

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056703.D
 Acq On : 15 Jul 2019 11:06
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Quant Time: Jul 16 01:46:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	242292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	199125	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.59	113	174727	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.09	98	684650	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	237303	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	160608	44.380	ug/l	99
3) Chloromethane	2.06	50	213579	43.897	ug/l	99
4) Vinyl Chloride	2.18	62	209909	44.801	ug/l	100
5) Bromomethane	2.55	94	132161	47.966	ug/l	99
6) Chloroethane	2.69	64	119388	43.728	ug/l	99
7) Trichlorofluoromethane	3.01	101	271303	45.127	ug/l	99
8) Diethyl Ether	3.41	74	110484	47.136	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167834	46.466	ug/l	99
10) Methyl Iodide	3.95	142	224519	46.472	ug/l	100
11) Tert butyl alcohol	4.79	59	168701	237.743	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165702	45.736	ug/l	98
13) Acrolein	3.61	56	58719	242.608	ug/l	99
14) Allyl chloride	4.32	41	293222	46.799	ug/l	100
15) Acrylonitrile	4.99	53	473744	231.185	ug/l	100
16) Acetone	3.82	43	455636	231.930	ug/l	100
17) Carbon Disulfide	4.05	76	449558	46.956	ug/l	99
18) Methyl Acetate	4.33	43	200575	45.369	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	535283	46.370	ug/l	100
20) Methylene Chloride	4.55	84	191334	44.567	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	178544	46.621	ug/l	97
22) Diisopropyl ether	5.95	45	581928	47.054	ug/l	99
23) Vinyl Acetate	5.90	43	2456324	245.098	ug/l	100
24) 1,1-Dichloroethane	5.85	63	329085	45.896	ug/l	99
25) 2-Butanone	6.84	43	674196	234.734	ug/l	100
26) 2,2-Dichloropropane	6.82	77	251641	48.673	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	208394	47.290	ug/l	100
28) Bromochloromethane	7.20	49	160608	47.640	ug/l	100
29) Tetrahydrofuran	7.21	42	432366	230.803	ug/l	99
30) Chloroform	7.37	83	319923	44.587	ug/l	99
31) Cyclohexane	7.65	56	318609	46.750	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	265501	46.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	251712	47.453	ug/l	99
37) Ethyl Acetate	6.93	43	254011	48.587	ug/l	98
38) Carbon Tetrachloride	7.77	117	234398	47.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	327381	49.984	ug/l	100
40) Benzene	8.04	78	762413	46.909	ug/l	99
41) Methacrylonitrile	7.21	41	368969	160.670	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	243008	47.308	ug/l	100
43) Isopropyl Acetate	8.17	43	402454	48.967	ug/l	100
44) Trichloroethene	8.83	130	209750	47.524	ug/l	97
45) 1,2-Dichloropropane	9.12	63	204321	47.311	ug/l	97
46) Dibromomethane	9.21	93	129045	48.218	ug/l	100
47) Bromodichloromethane	9.40	83	243817	47.942	ug/l	99
48) Methyl methacrylate	9.20	41	193149	48.594	ug/l	97
49) 1,4-Dioxane	9.20	88	81592	1000.421	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1276909	239.875	ug/l	99
52) Toluene	10.15	92	472393	48.941	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	274596	51.752	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	311378	50.572	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	185492	45.818	ug/l	98
56) Ethyl methacrylate	10.43	69	300425	51.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	315629	47.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	711514	254.005	ug/l	98
59) 2-Hexanone	10.75	43	968433	253.543	ug/l	100
60) Dibromochloromethane	10.90	129	197682	49.649	ug/l	100
61) 1,2-Dibromoethane	11.00	107	197773	49.155	ug/l	99
64) Tetrachloroethene	10.63	164	201909	45.401	ug/l	99
65) Chlorobenzene	11.43	112	505709	47.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	185865	47.892	ug/l	99
67) Ethyl Benzene	11.51	91	907537	48.993	ug/l	99
68) m/p-Xylenes	11.62	106	681164	98.394	ug/l	99
69) o-Xylene	11.95	106	331857	48.759	ug/l	99
70) Styrene	11.96	104	559916	50.886	ug/l	100
71) Bromoform	12.12	173	147801	50.053	ug/l #	98
73) Isopropylbenzene	12.25	105	873682	44.721	ug/l	100
74) N-amyl acetate	12.07	43	341738	46.969	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	270259	47.683	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	338470	63.871	ug/l #	100
77) Bromobenzene	12.53	156	229406	44.894	ug/l	98
78) n-propylbenzene	12.59	91	997452	45.989	ug/l	99
79) 2-Chlorotoluene	12.67	91	588246	49.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	748538	45.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	83708	48.783	ug/l	98
82) 4-Chlorotoluene	12.77	91	595475	46.785	ug/l	99
83) tert-Butylbenzene	12.99	119	635784	49.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	749411	46.329	ug/l	100
85) sec-Butylbenzene	13.17	105	846035	45.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	784598	47.074	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	394262	47.080	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	385377	47.310	ug/l	100
89) n-Butylbenzene	13.61	91	670755	49.961	ug/l	100
90) Hexachloroethane	13.87	117	124291	46.114	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	388324	45.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48833	46.615	ug/l	99

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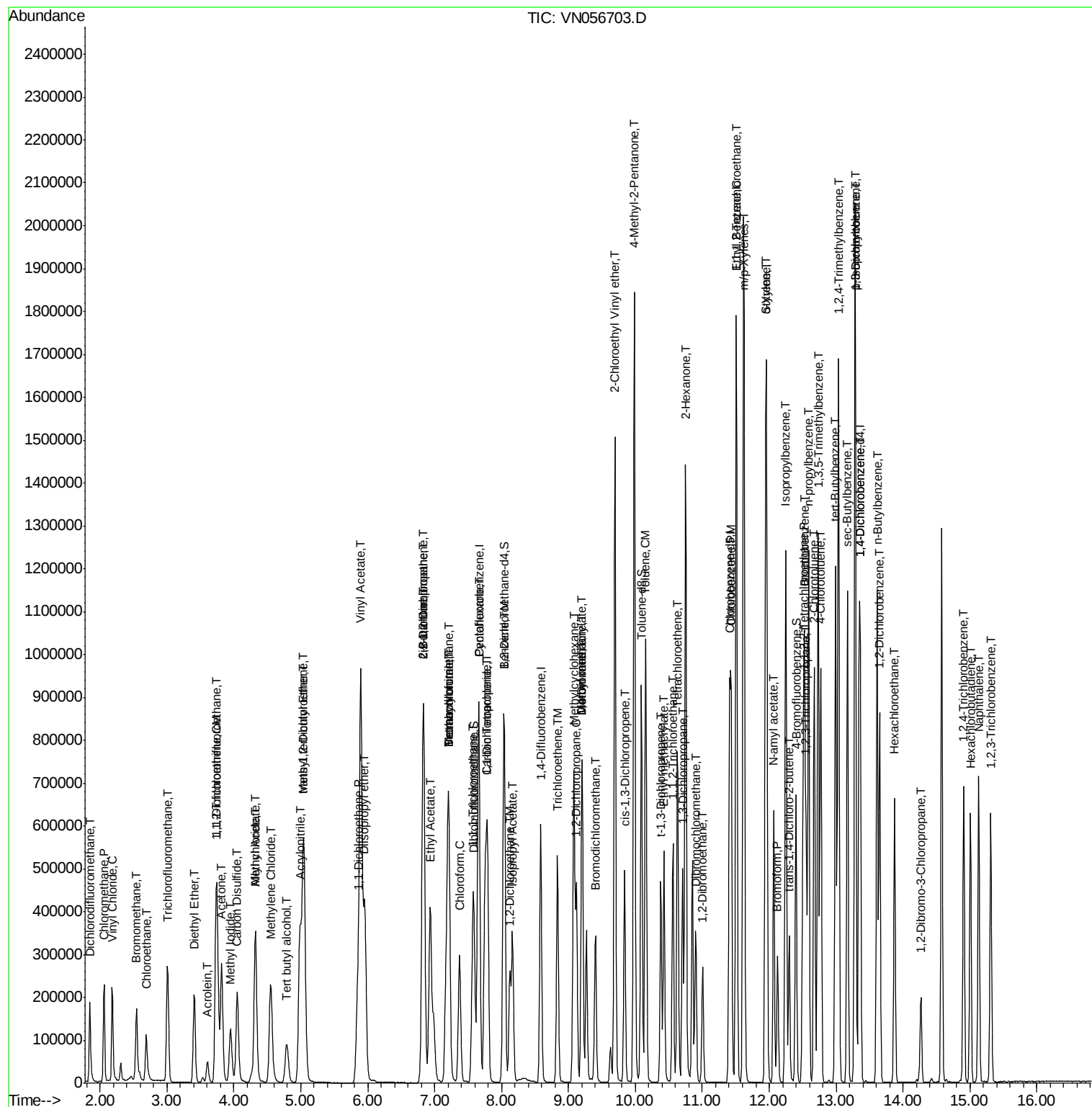
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	237191	50.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	139443	51.869	ug/l	100
95) Naphthalene	15.13	128	626373	48.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	237657	50.549	ug/l	100

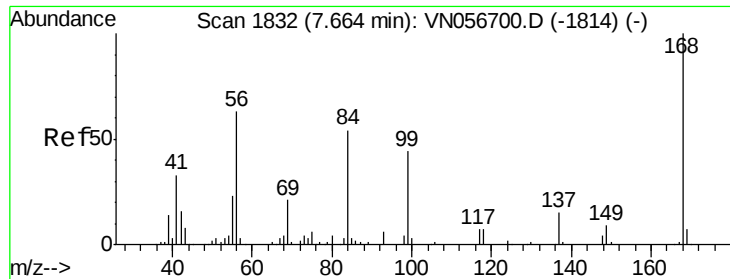
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

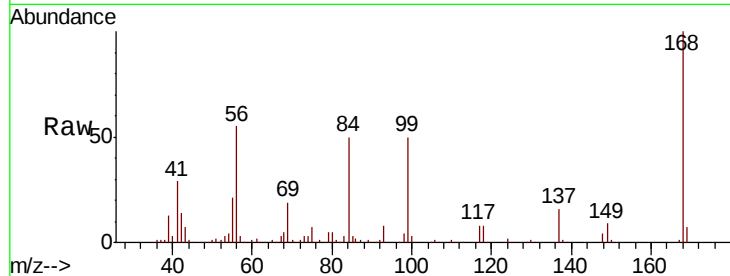
ICVVN071519

Tot Ion:168 Resp: 385404

Ion Ratio Lower Upper

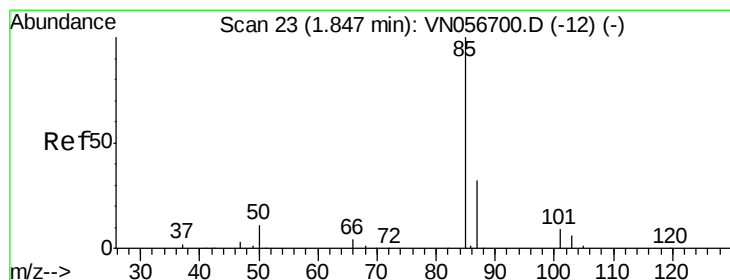
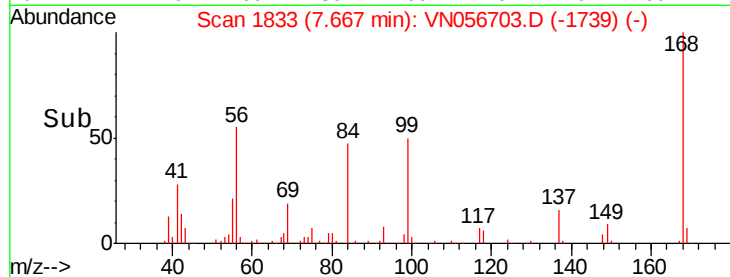
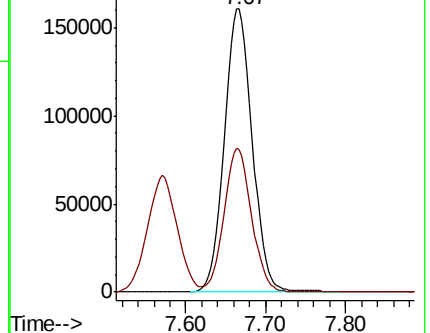
168 100

99 50.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 44.380 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056703.D

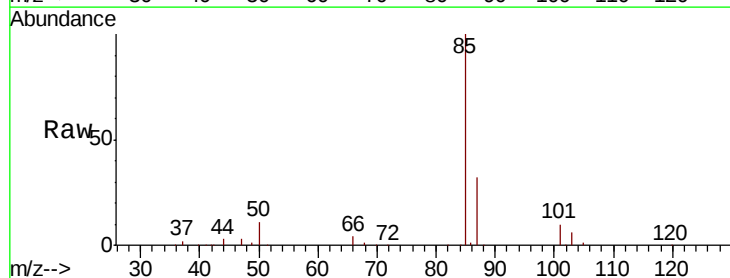
Acq: 15 Jul 2019 11:06

Tgt Ion: 85 Resp: 160608

Ion Ratio Lower Upper

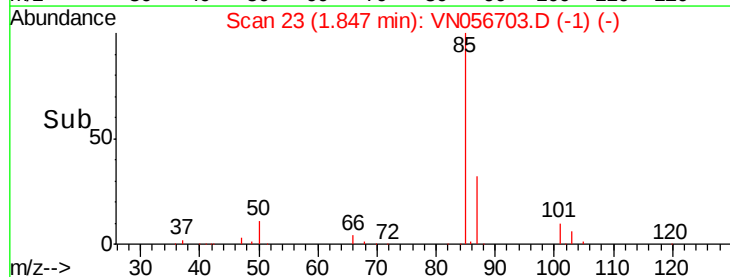
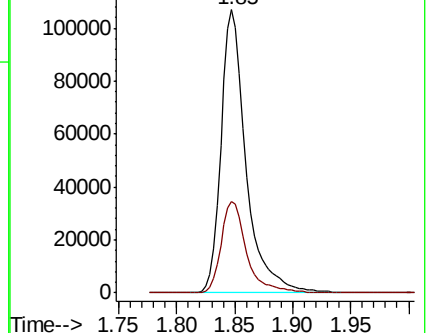
85 100

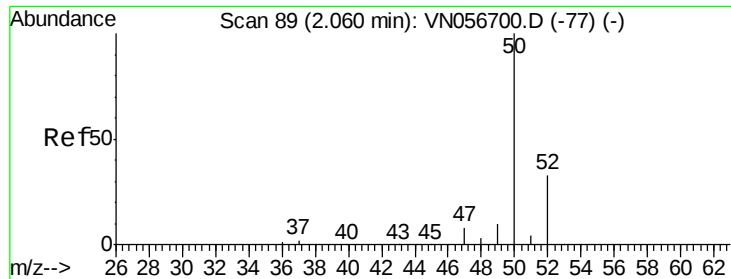
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.897 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

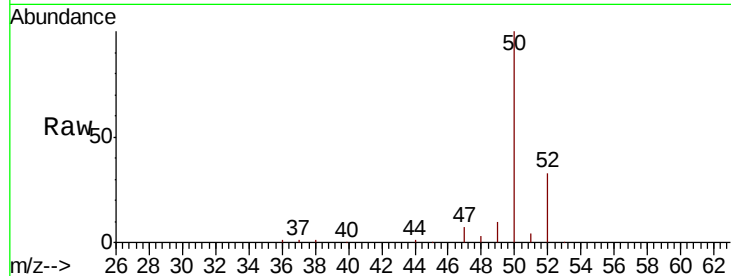
ICVVN071519

Tot Ion: 50 Resp: 213579

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

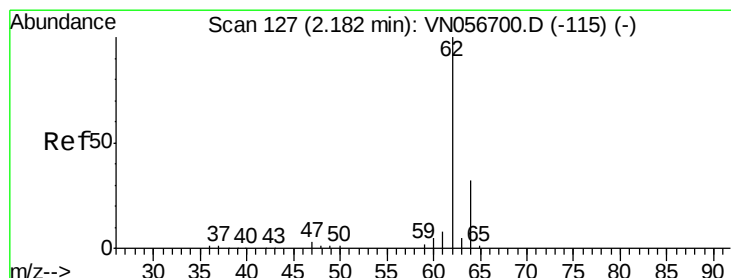
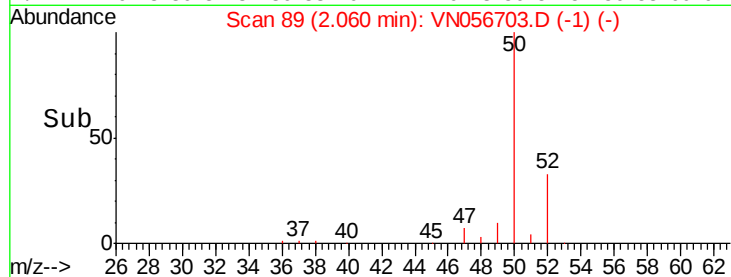
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.801 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056703.D

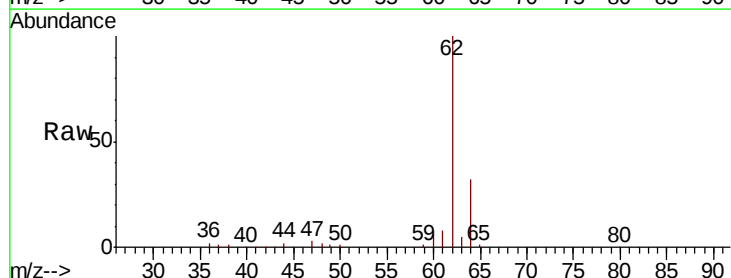
Acq: 15 Jul 2019 11:06

Tgt Ion: 62 Resp: 209909

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

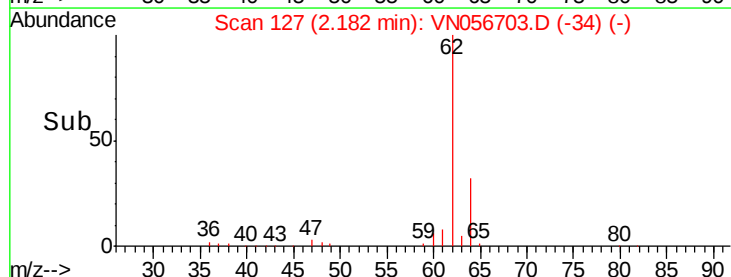
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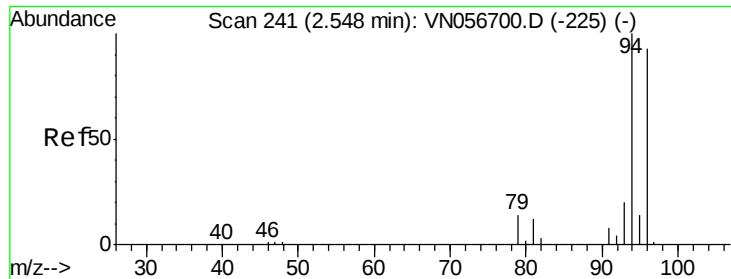
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.966 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

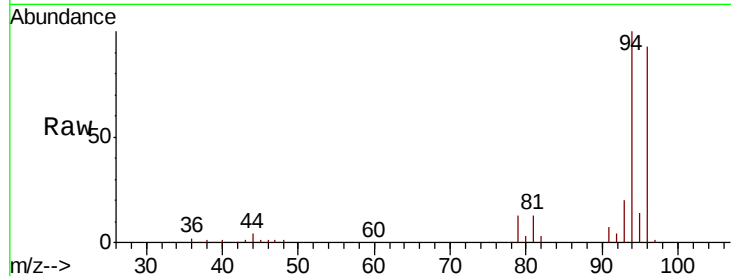
ICVVN071519

Tot Ion: 94 Resp: 132161

Ion Ratio Lower Upper

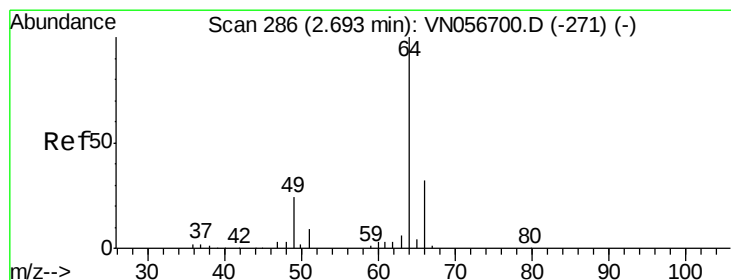
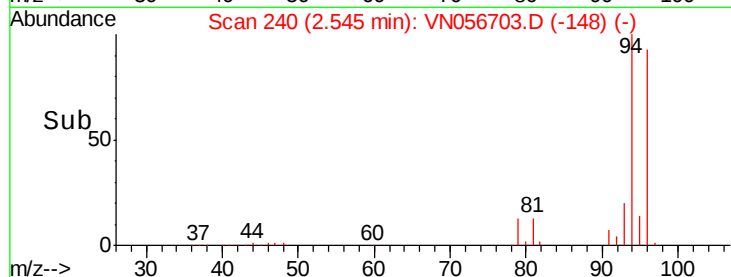
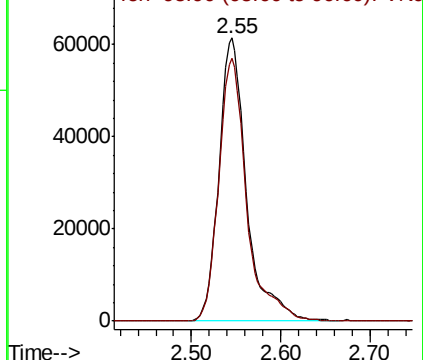
94 100

96 93.0 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.728 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056703.D

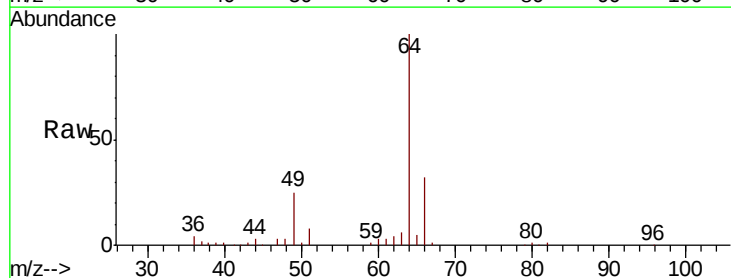
Acq: 15 Jul 2019 11:06

Tgt Ion: 64 Resp: 119388

Ion Ratio Lower Upper

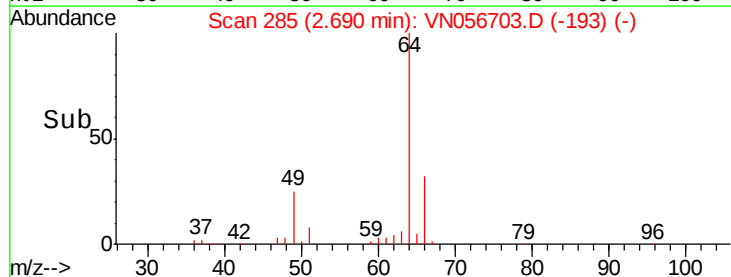
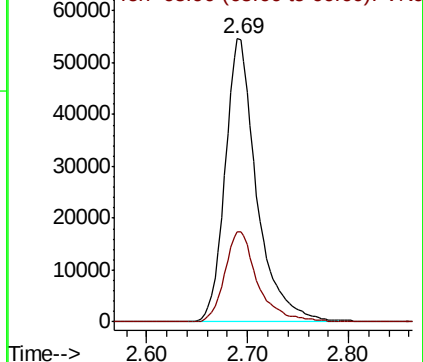
64 100

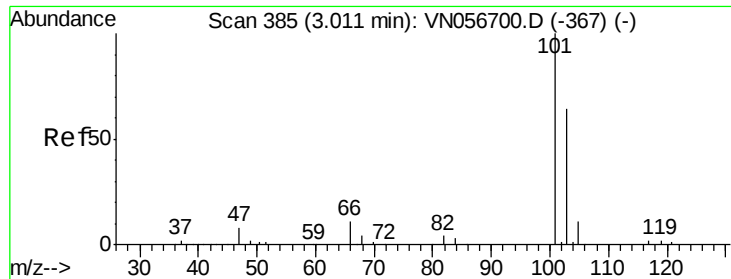
66 31.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



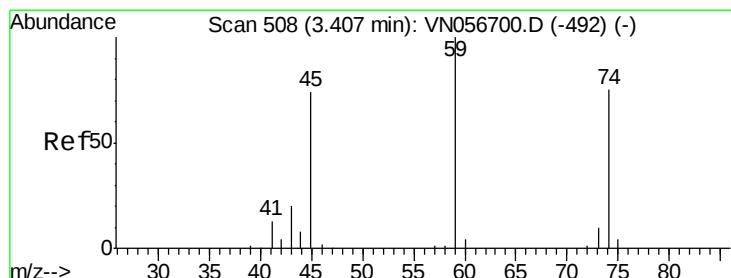
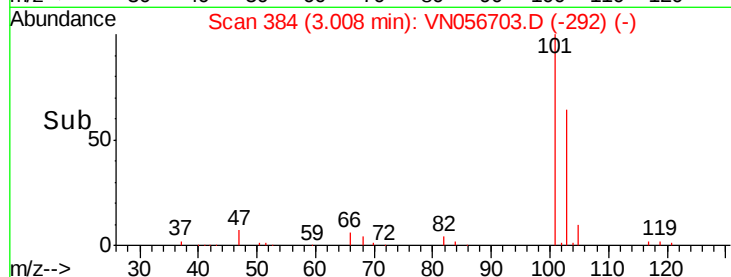
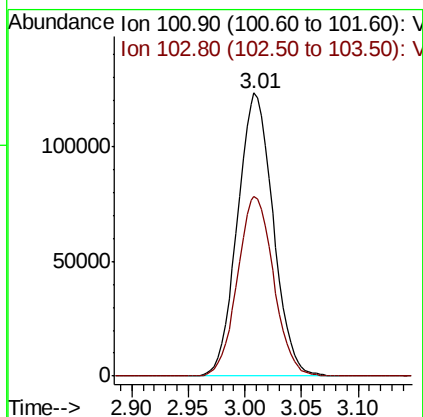
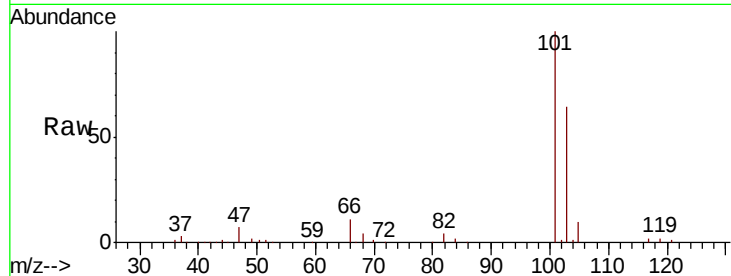


#7

Trichlorofluoromethane
 Concen: 45.127 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056703.D
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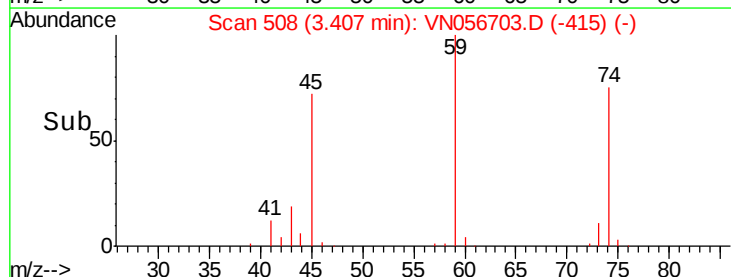
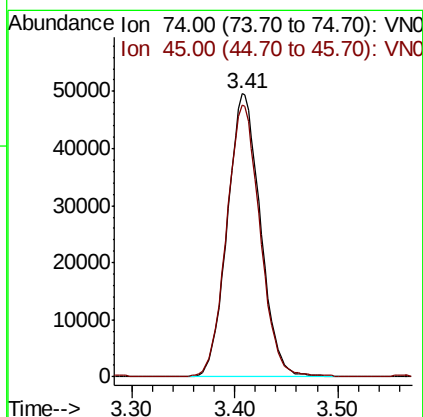
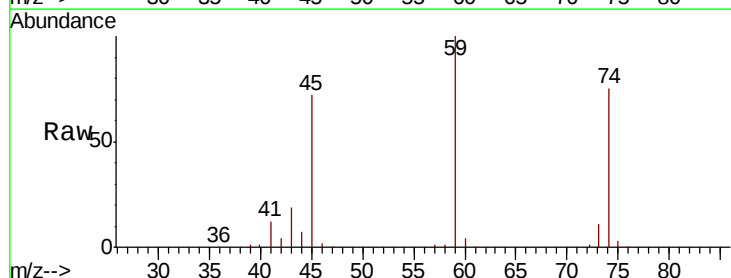
Tot Ion:101 Resp: 271303
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.5 77.3

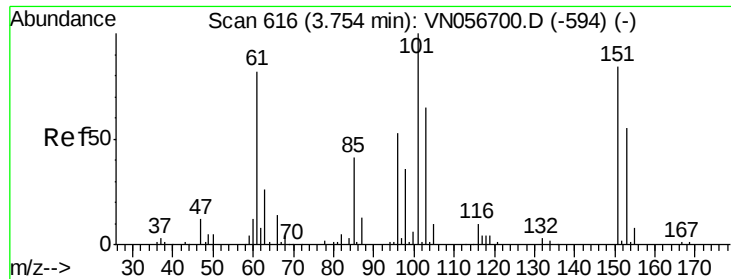


#8

Diethyl Ether
 Concen: 47.136 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 74 Resp: 110484
 Ion Ratio Lower Upper
 74 100
 45 97.2 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.466 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

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ICVVN071519

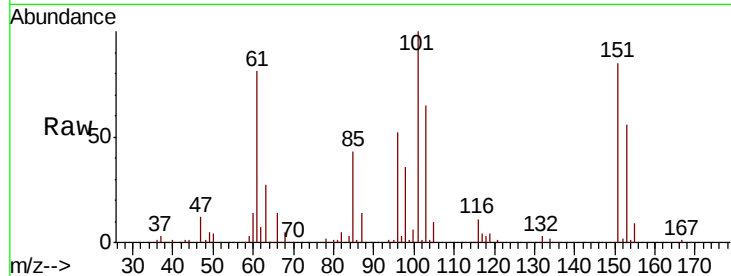
Tot Ion:101 Resp: 167834

Ion Ratio Lower Upper

101 100

85 42.0 33.3 49.9

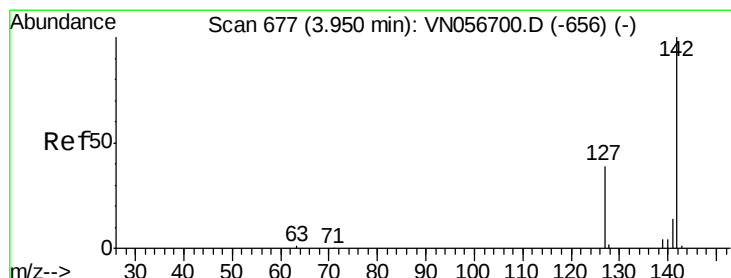
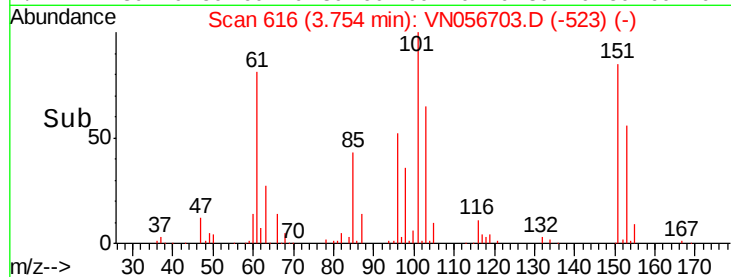
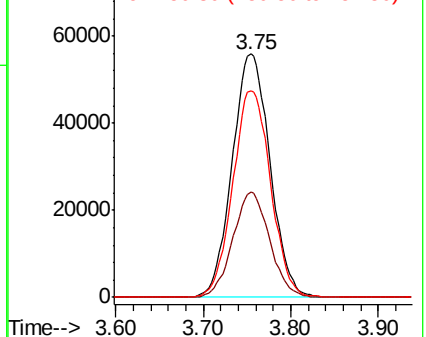
151 84.8 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.472 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

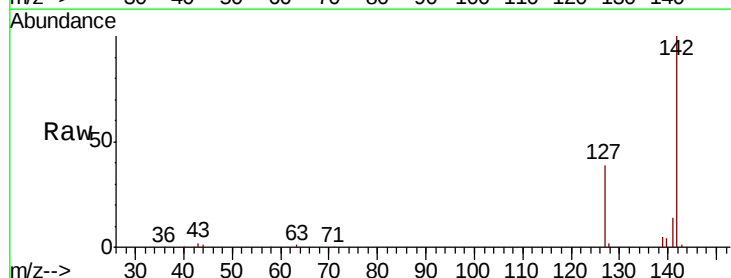
Tgt Ion:142 Resp: 224519

Ion Ratio Lower Upper

142 100

127 38.4 30.7 46.1

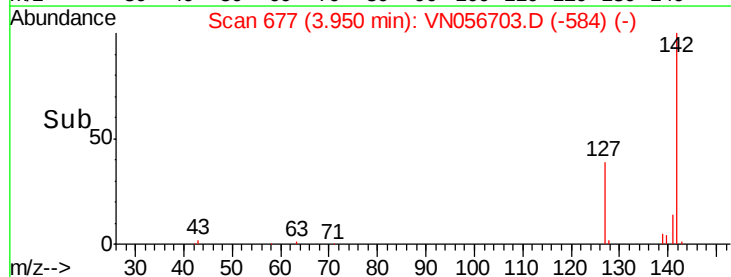
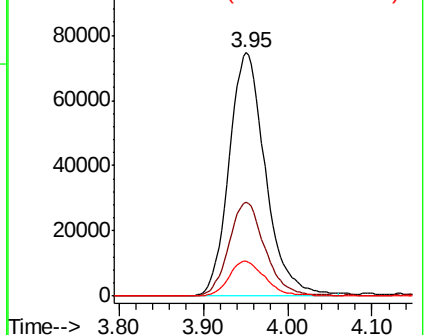
141 14.4 11.3 16.9

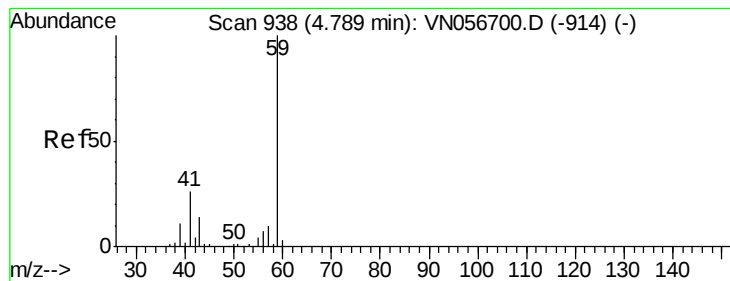


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



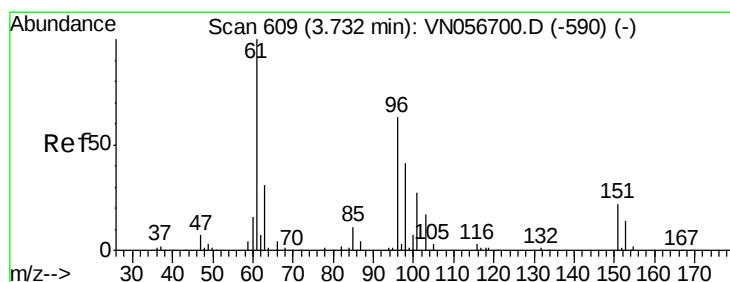
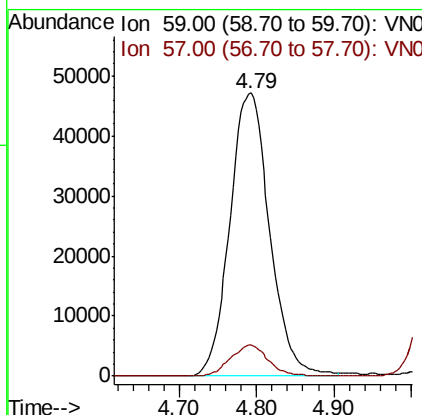
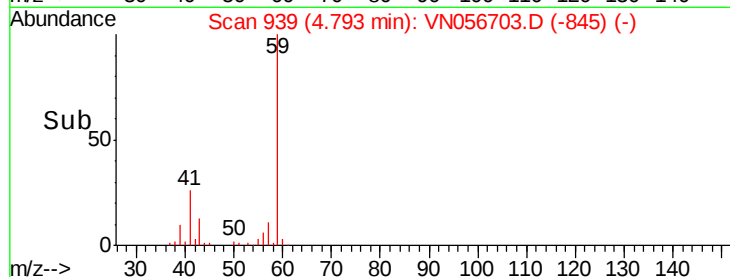
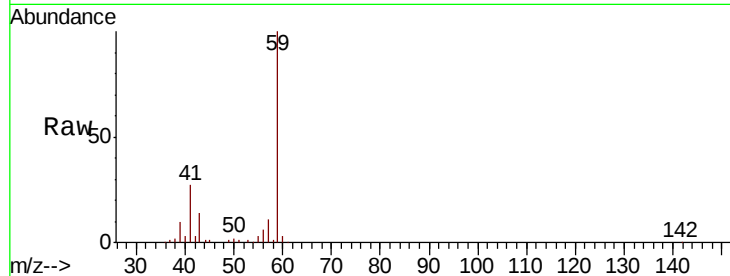


#11

Tert butyl alcohol
 Concen: 237.743 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN071519

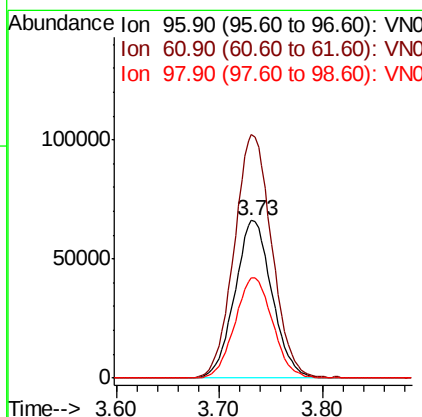
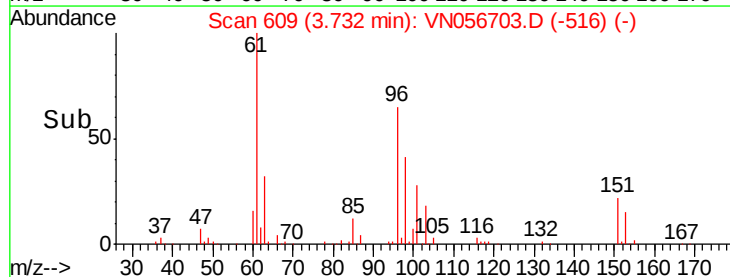
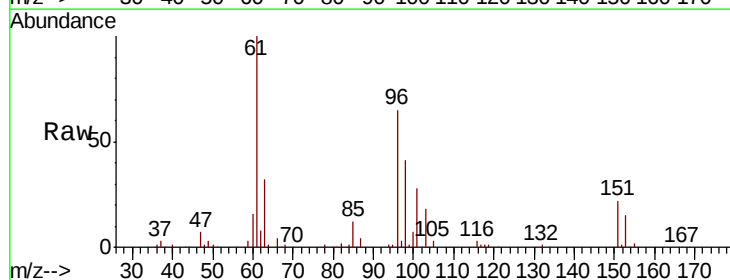
Tot Ion: 59 Resp: 168701
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

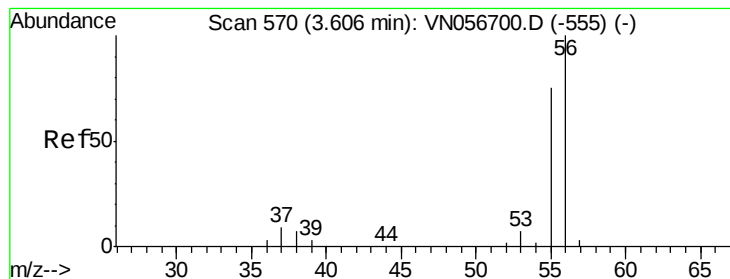


#12

1,1-Dichloroethene
 Concen: 45.736 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 96 Resp: 165702
 Ion Ratio Lower Upper
 96 100
 61 154.5 126.6 189.8
 98 63.6 51.4 77.2





#13

Acrolein

Concen: 242.608 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

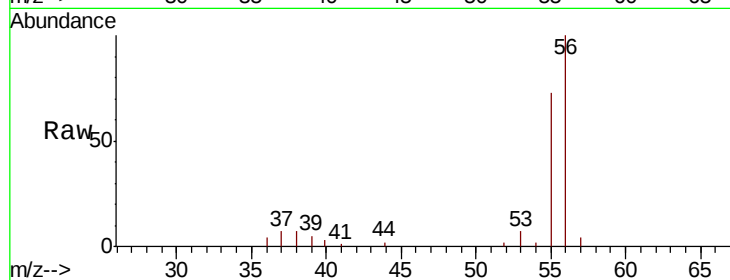
ICVFN071519

Tot Ion: 56 Resp: 58719

Ion Ratio Lower Upper

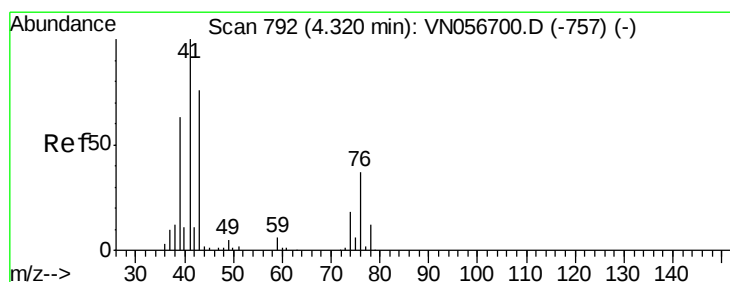
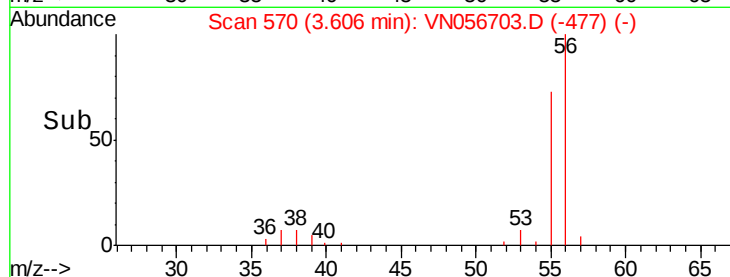
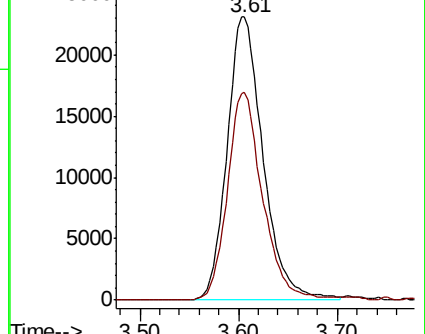
56 100

55 71.7 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.799 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

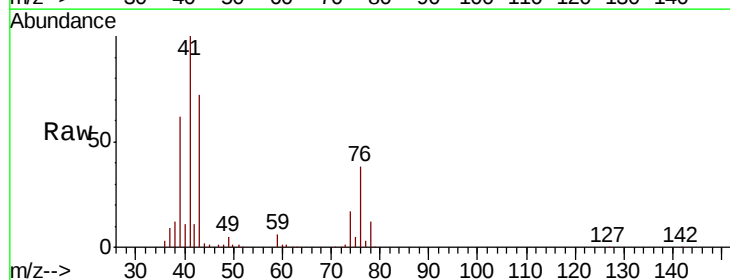
Tgt Ion: 41 Resp: 293222

Ion Ratio Lower Upper

41 100

39 58.4 46.9 70.3

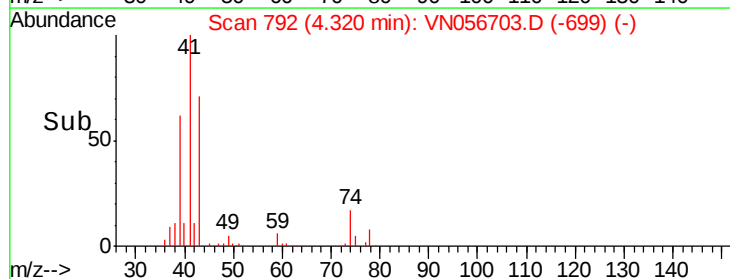
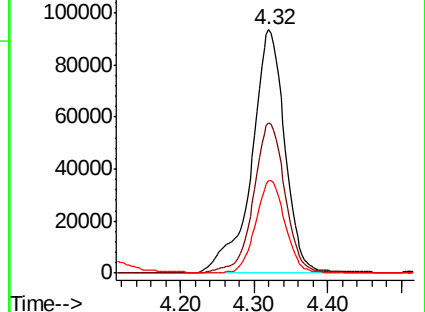
76 33.1 26.5 39.7

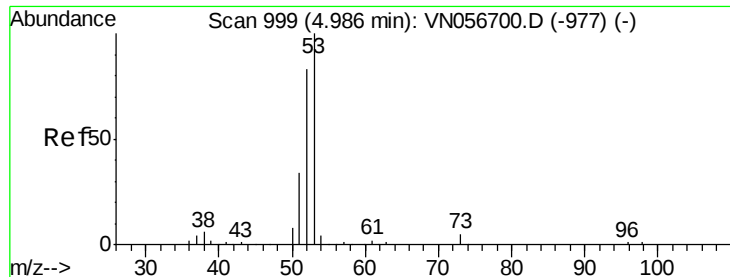


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 231.185 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

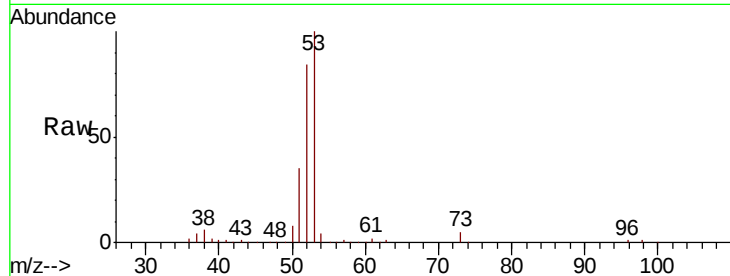
Tot Ion: 53 Resp: 473744

Ion Ratio Lower Upper

53 100

52 83.2 66.6 99.8

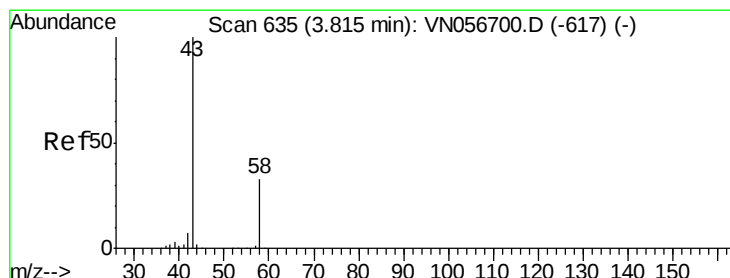
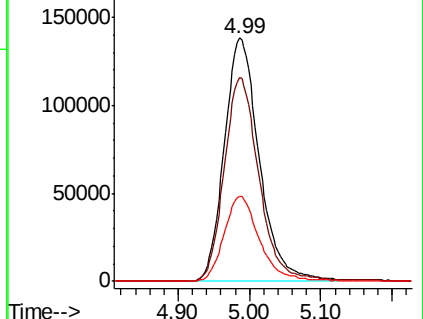
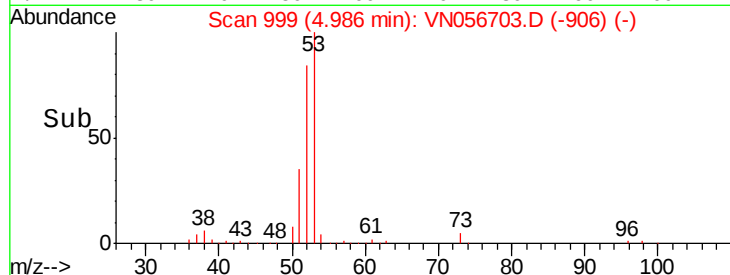
51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056703.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056703.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056703.D (-906) (-)



#16

Acetone

Concen: 231.930 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN056703.D

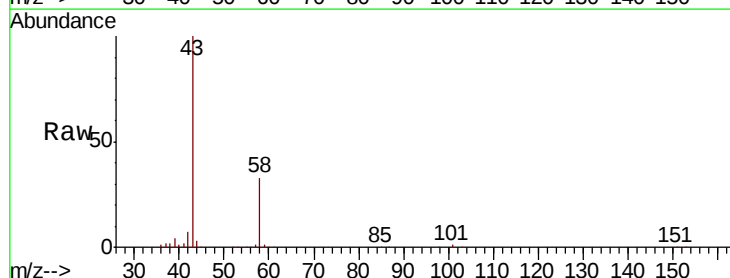
Acq: 15 Jul 2019 11:06

Tgt Ion: 43 Resp: 455636

Ion Ratio Lower Upper

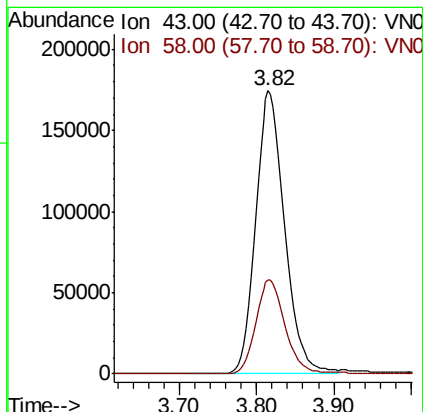
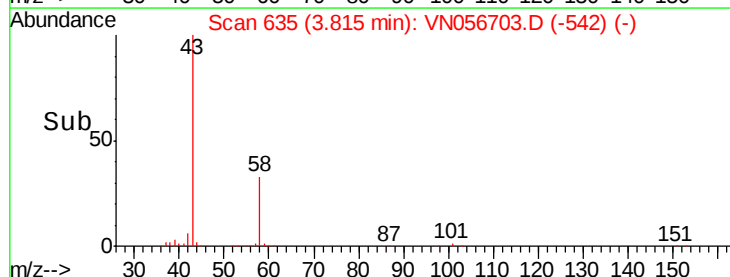
43 100

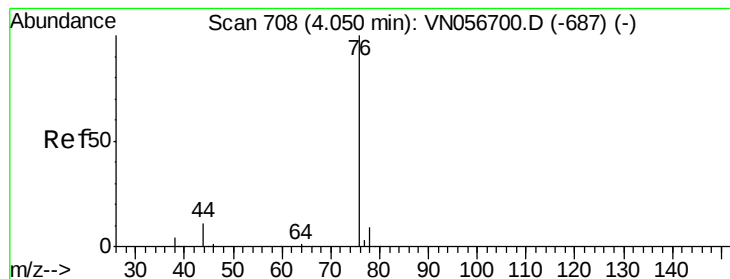
58 33.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056703.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056703.D (-542) (-)





#17

Carbon Disulfide

Concen: 46.956 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

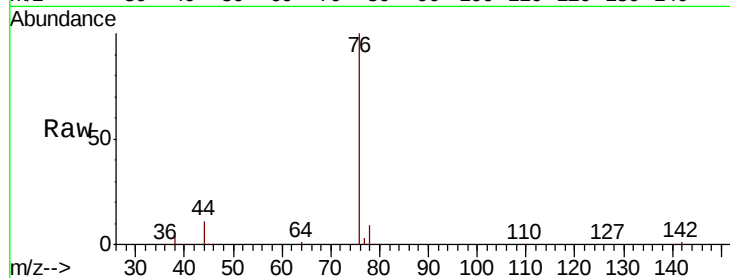
ICVVN071519

Tot Ion: 76 Resp: 449558

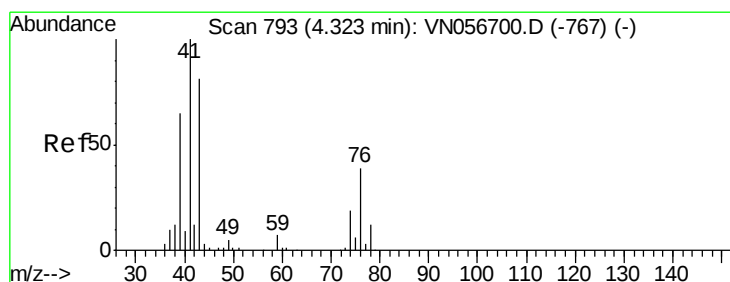
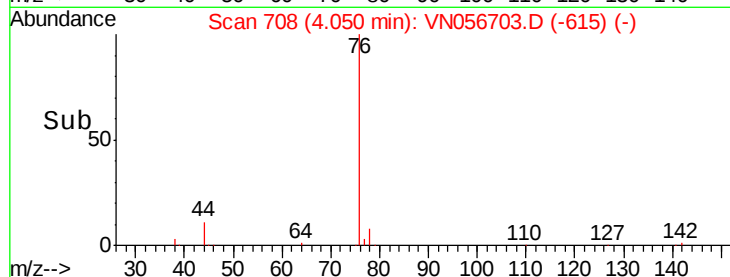
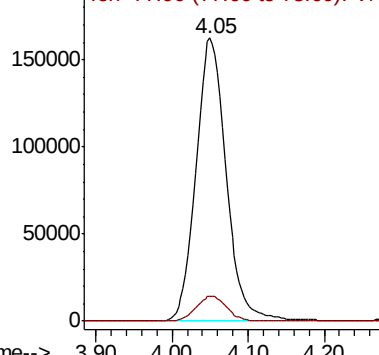
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 45.369 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056703.D

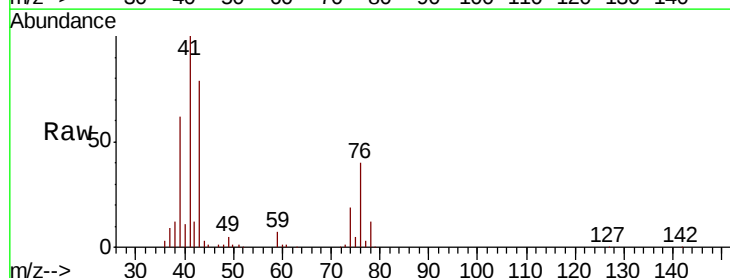
Acq: 15 Jul 2019 11:06

Tgt Ion: 43 Resp: 200575

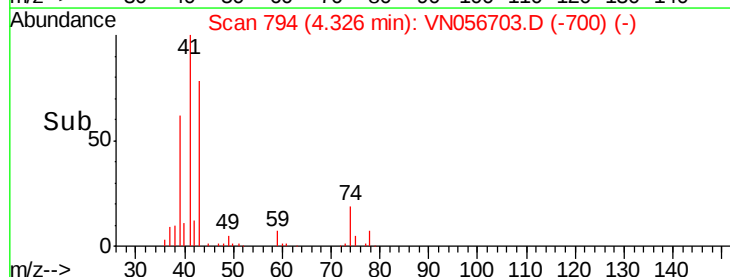
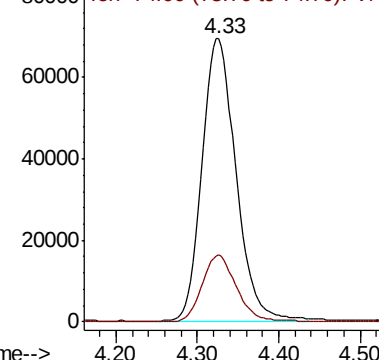
Ion Ratio Lower Upper

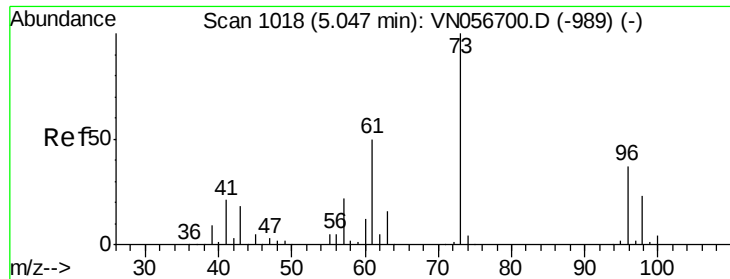
43 100

74 23.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

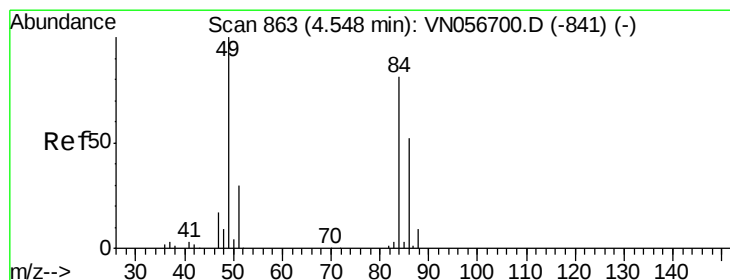
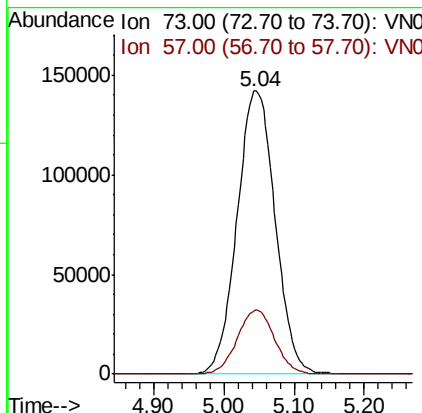
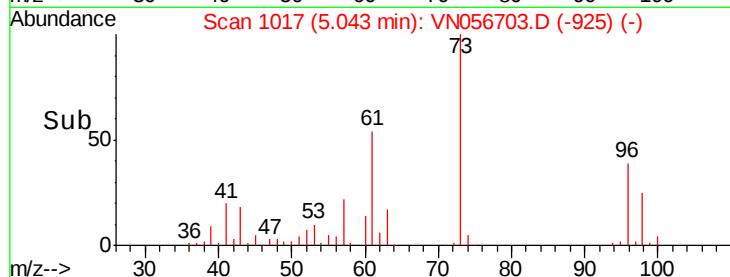
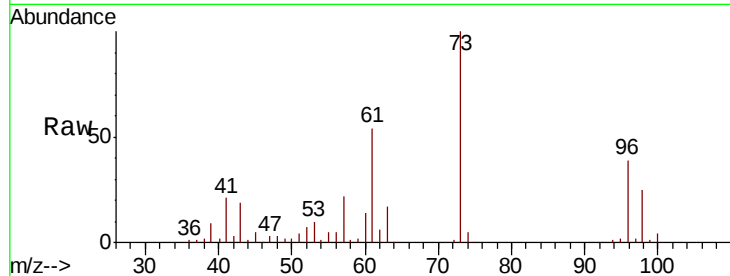




#19
Methyl tert-butyl Ether
Concen: 46.370 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

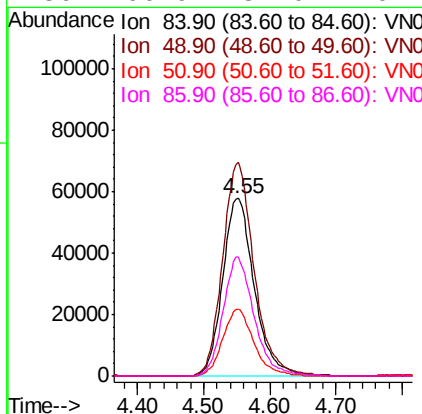
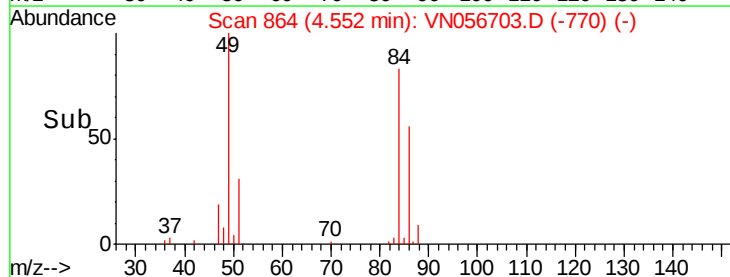
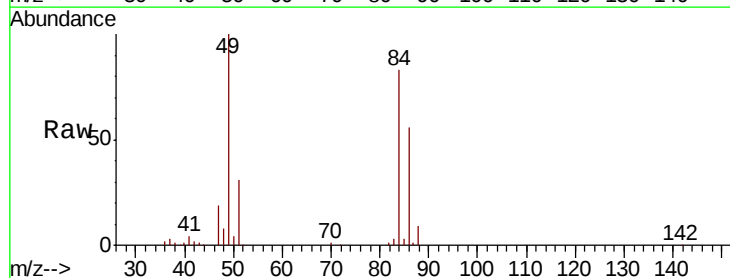
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

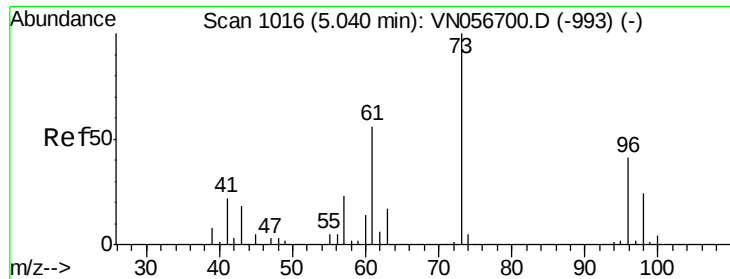
Tot Ion: 73 Resp: 535283
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 44.567 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 84 Resp: 191334
Ion Ratio Lower Upper
84 100
49 120.1 98.2 147.4
51 37.7 29.6 44.4
86 66.9 51.0 76.4

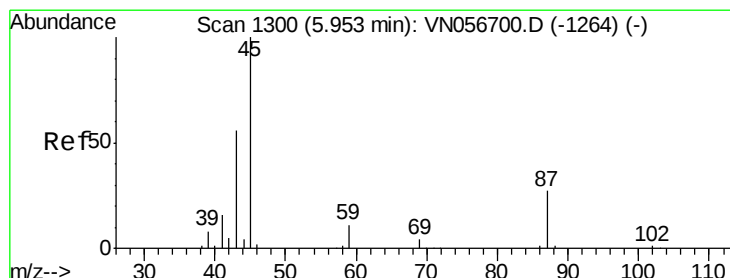
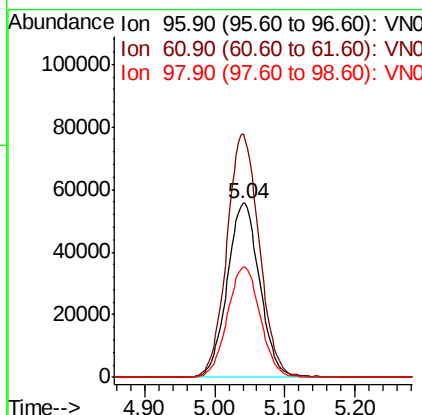
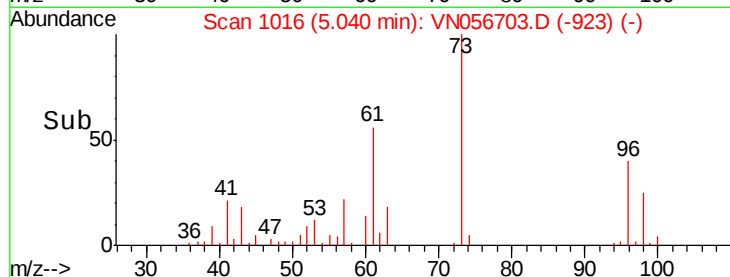
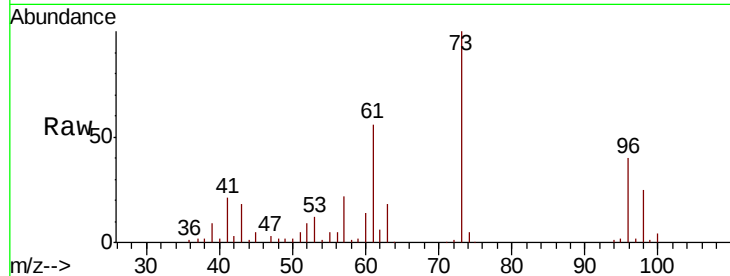




#21
trans-1,2-Dichloroethene
Concen: 46.621 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

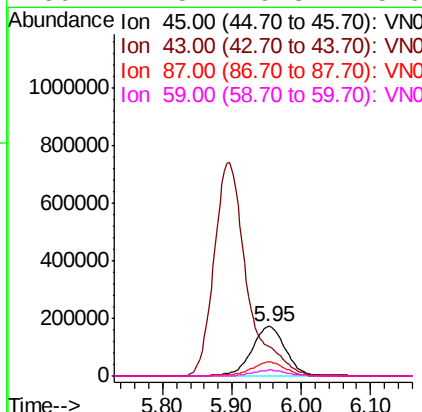
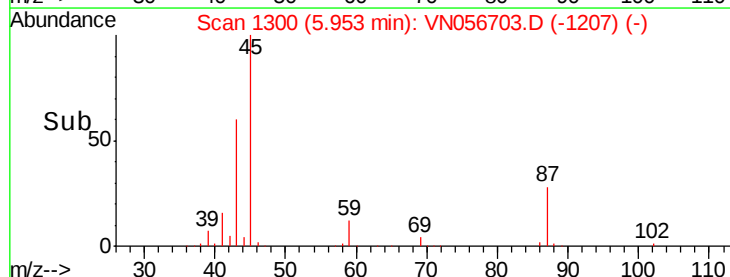
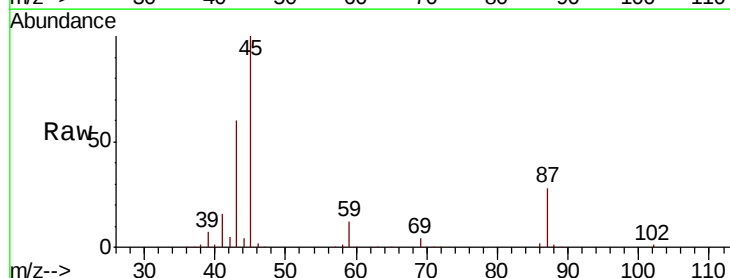
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

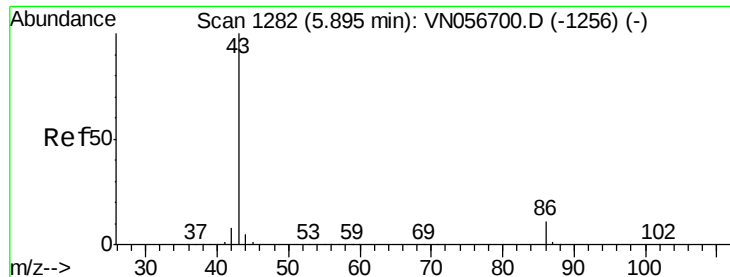
Tot Ion: 96 Resp: 178544
Ion Ratio Lower Upper
96 100
61 139.7 109.4 164.2
98 63.2 48.0 72.0



#22
Diisopropyl ether
Concen: 47.054 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 45 Resp: 581928
Ion Ratio Lower Upper
45 100
43 58.1 45.6 68.4
87 28.0 22.0 33.0
59 11.8 9.3 13.9





#23

Vinyl Acetate

Concen: 245.098 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

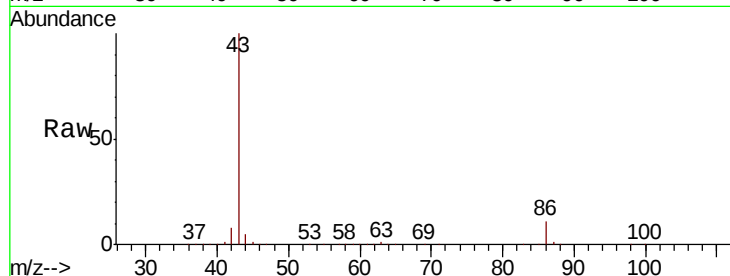
ICVVN071519

Tot Ion: 43 Resp: 2456324

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

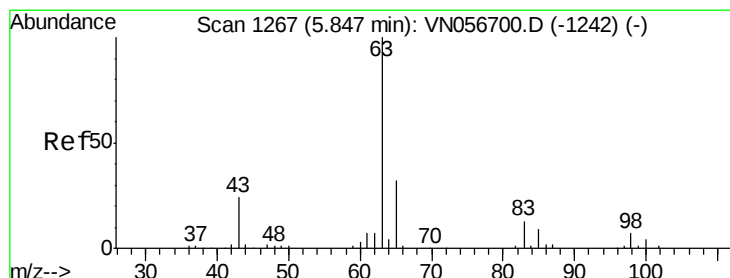
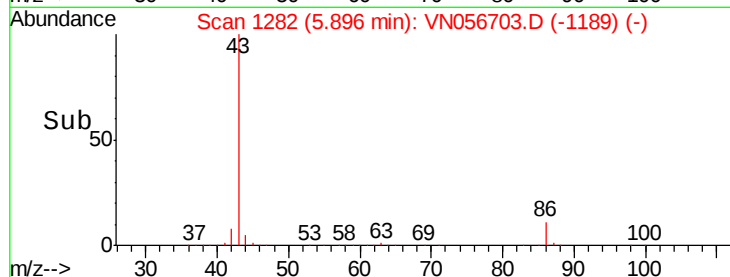
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.896 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

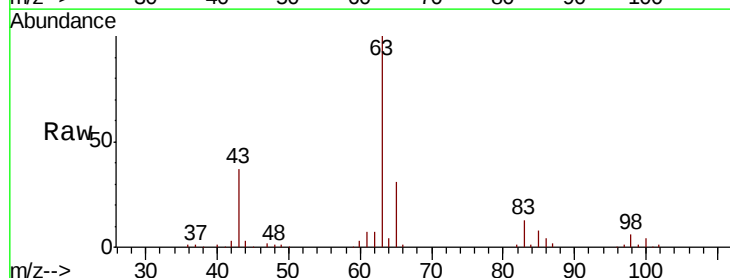
Tgt Ion: 63 Resp: 329085

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

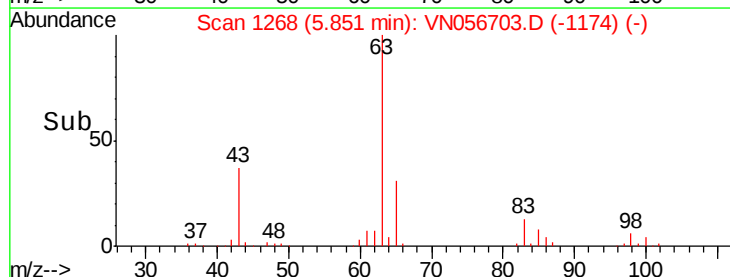
5.85

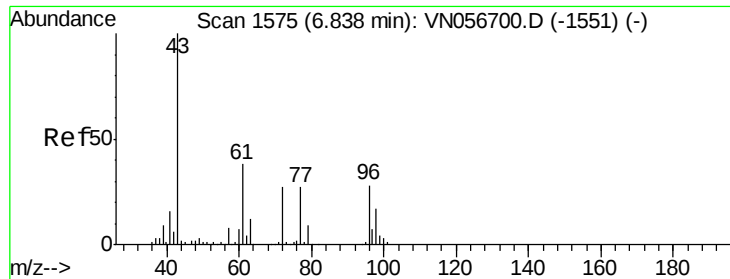
100000

50000

0

Time-->





#25

2-Butanone

Concen: 234.734 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

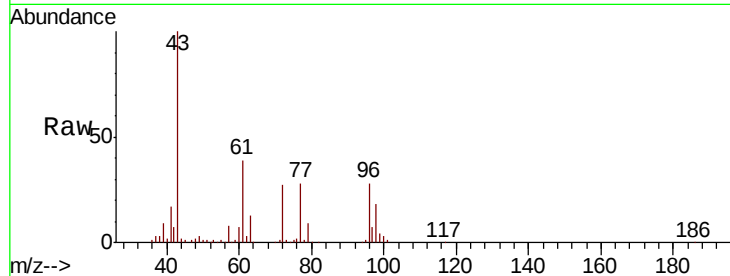
ICVVN071519

Tot Ion: 43 Resp: 674196

Ion Ratio Lower Upper

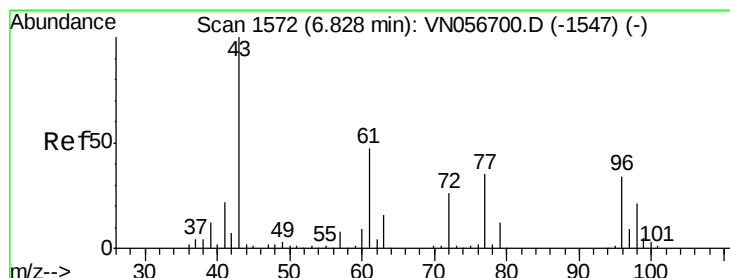
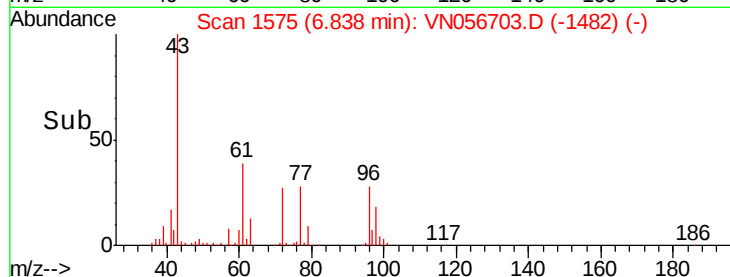
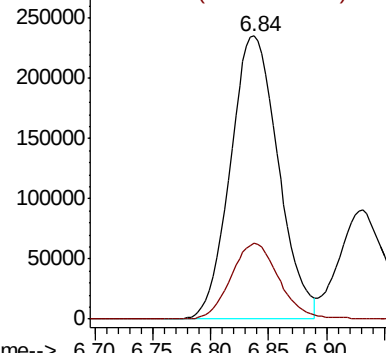
43 100

72 26.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 48.673 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056703.D

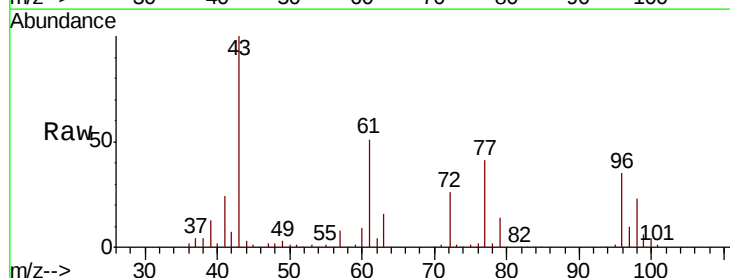
Acq: 15 Jul 2019 11:06

Tgt Ion: 77 Resp: 251641

Ion Ratio Lower Upper

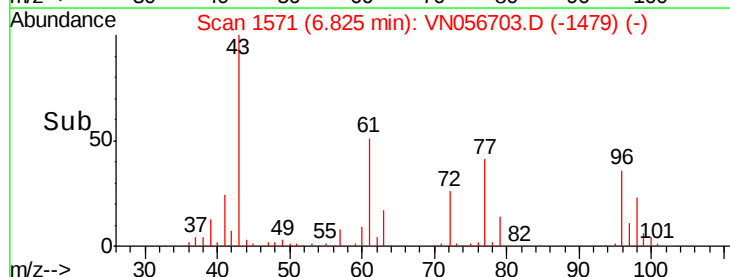
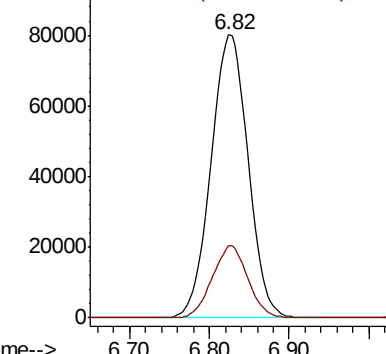
77 100

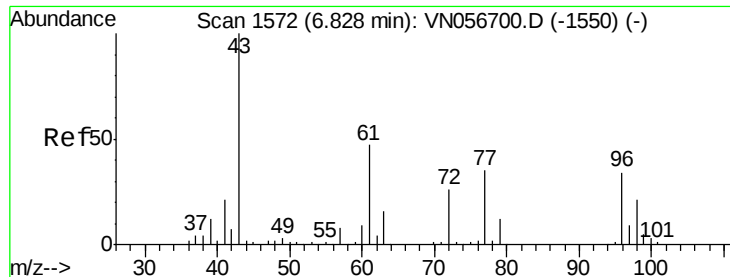
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.290 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

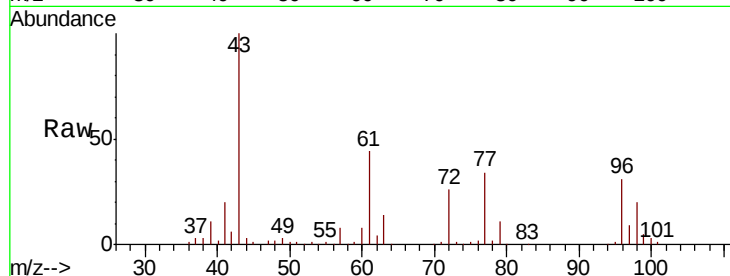
Tot Ion: 96 Resp: 208394

Ion Ratio Lower Upper

96 100

61 140.9 0.0 281.4

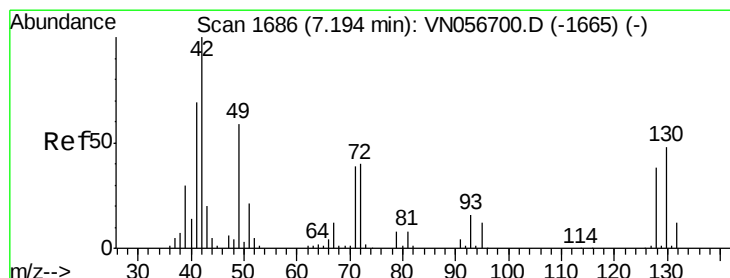
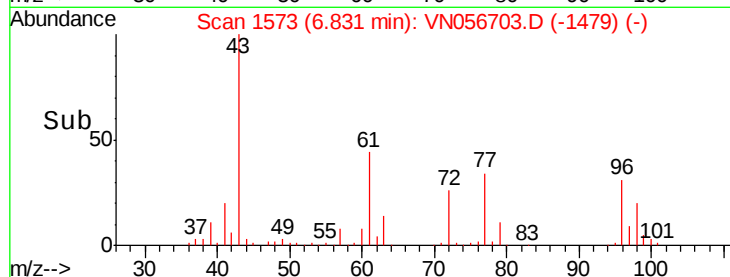
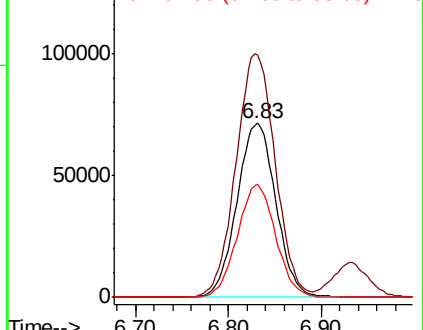
98 63.8 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.640 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

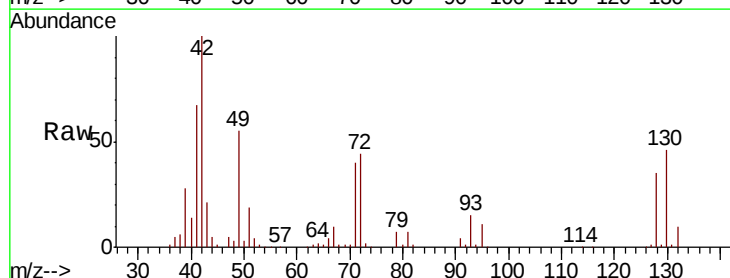
Tgt Ion: 49 Resp: 160608

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

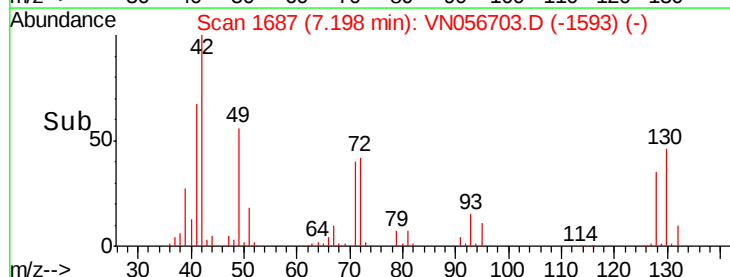
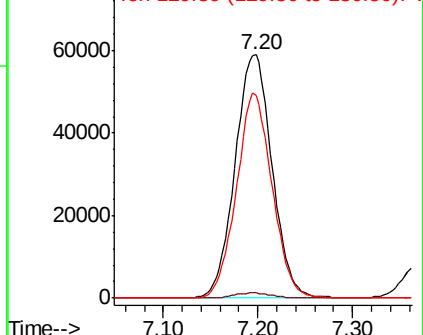
130 81.1 64.7 97.1

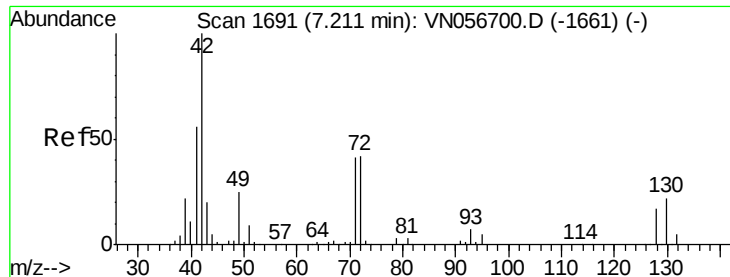


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

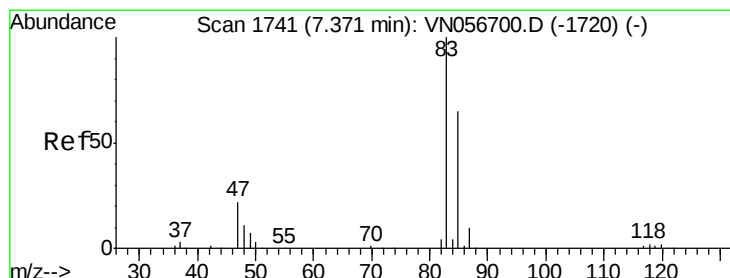
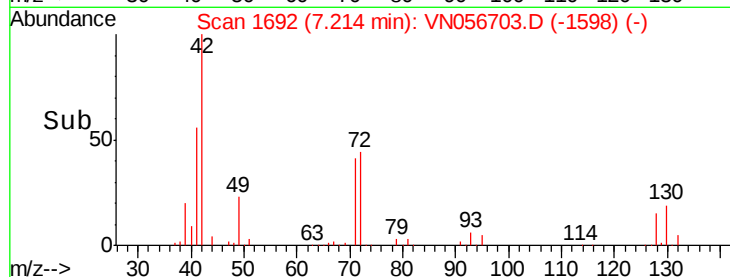
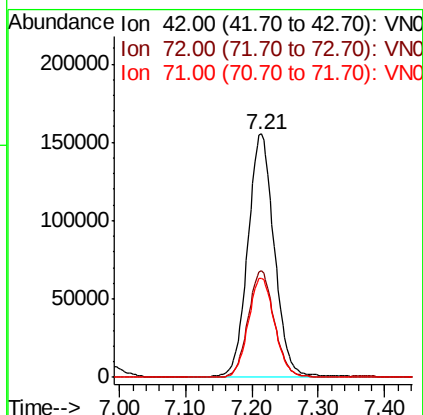
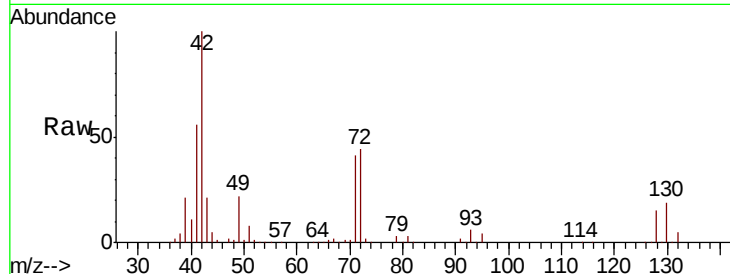




#29
Tetrahydrofuran
Concen: 230.803 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

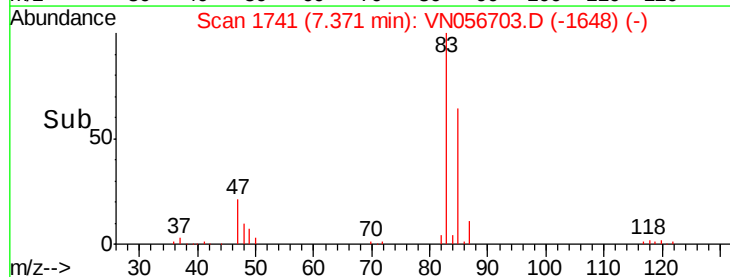
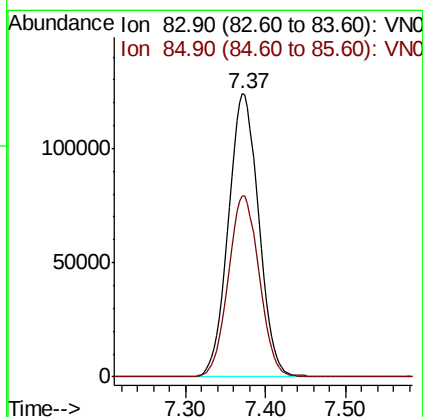
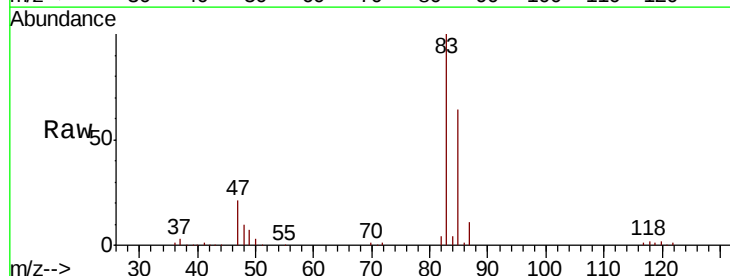
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

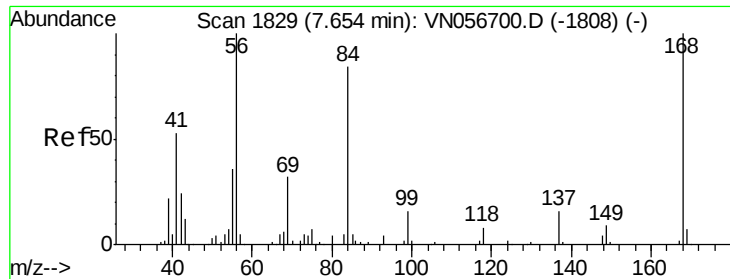
Tot Ion: 42 Resp: 432366
Ion Ratio Lower Upper
42 100
72 43.1 33.5 50.3
71 40.3 31.8 47.8



#30
Chloroform
Concen: 44.587 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 83 Resp: 319923
Ion Ratio Lower Upper
83 100
85 64.0 51.9 77.9





#31

Cyclohexane

Concen: 46.750 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

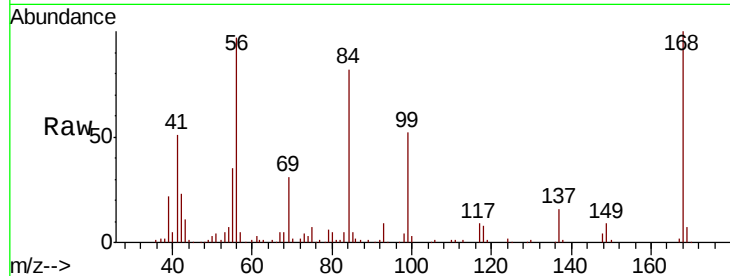
Tot Ion: 56 Resp: 318609

Ion Ratio Lower Upper

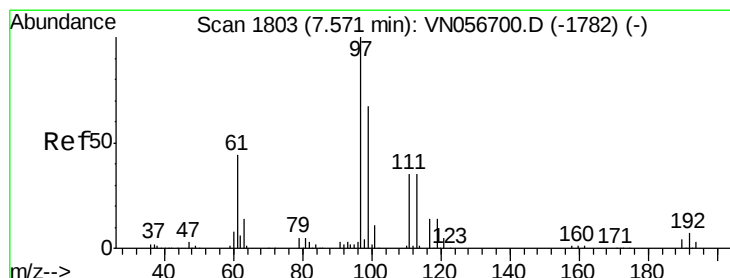
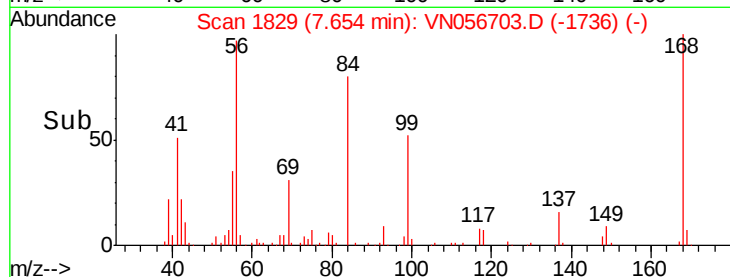
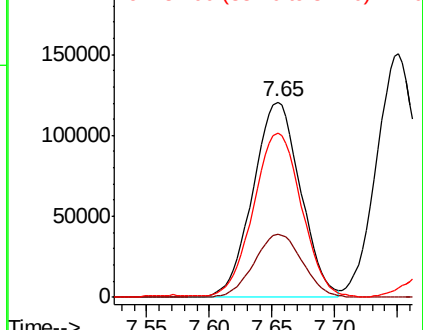
56 100

69 32.1 25.8 38.8

84 83.4 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 46.789 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

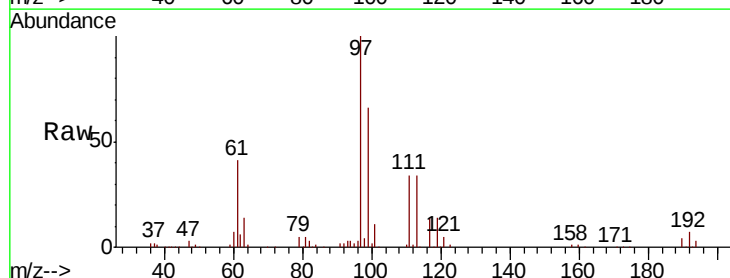
Tgt Ion: 97 Resp: 265501

Ion Ratio Lower Upper

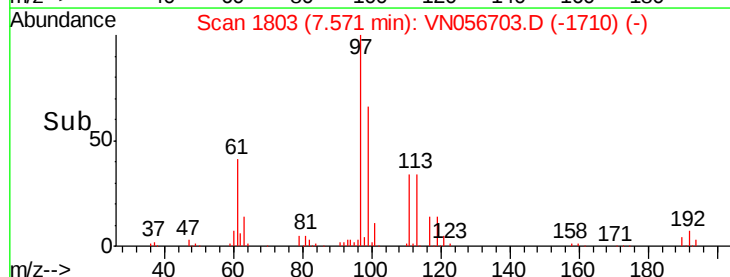
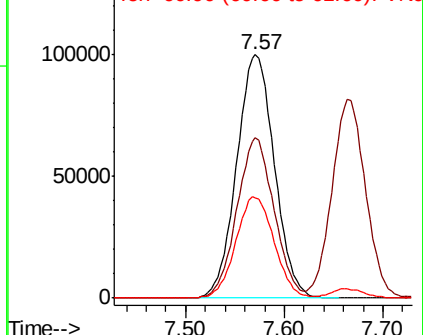
97 100

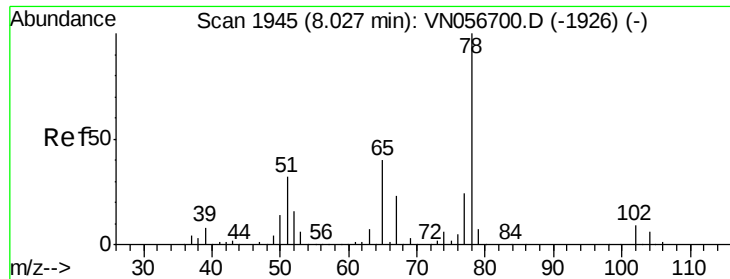
99 64.8 52.0 78.0

61 42.3 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

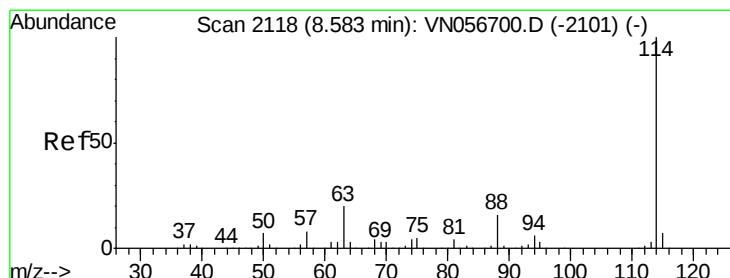
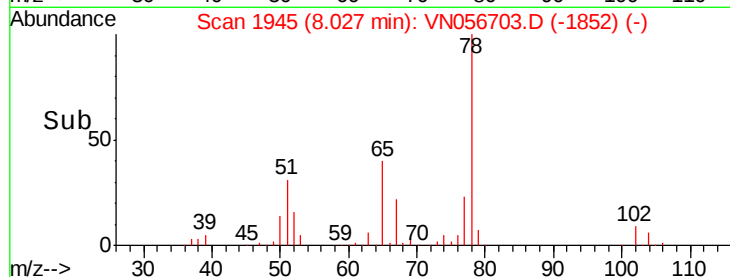
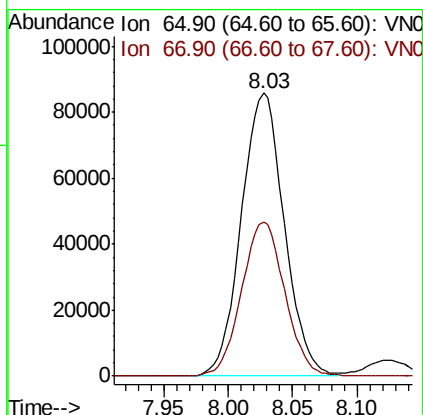
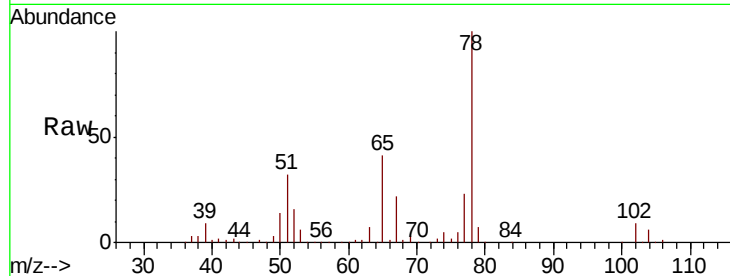




#33
 1,2-Dichloroethane-d4
 Concen: 46.709 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

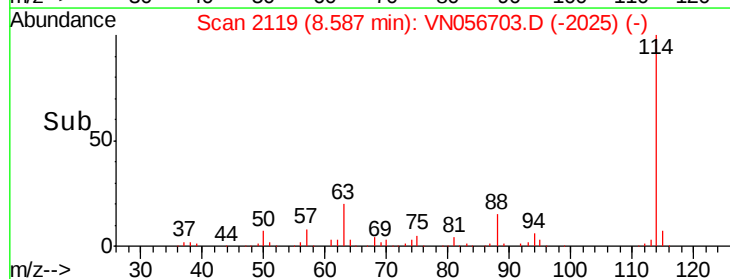
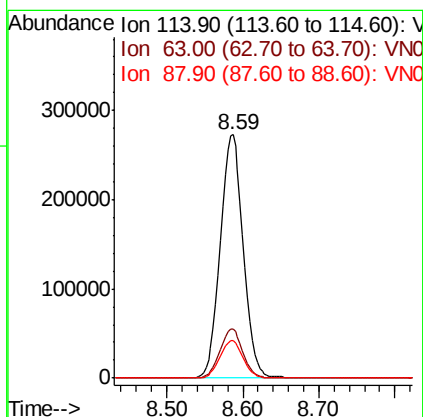
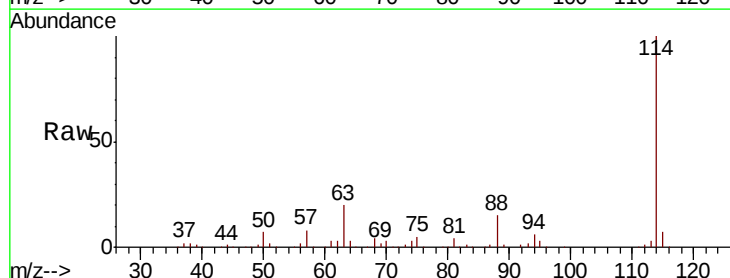
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

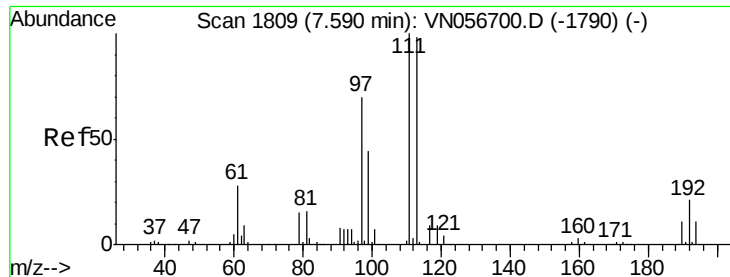
Tot Ion: 65 Resp: 199125
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 114 Resp: 573226
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 15.4 0.0 31.2

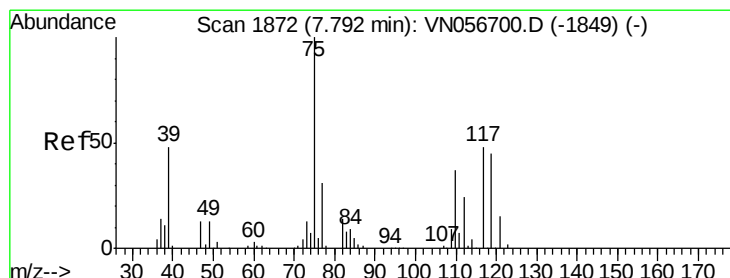
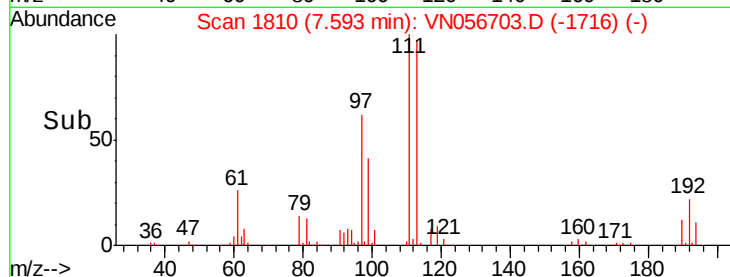
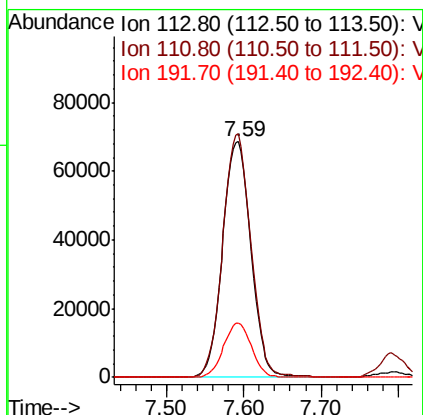
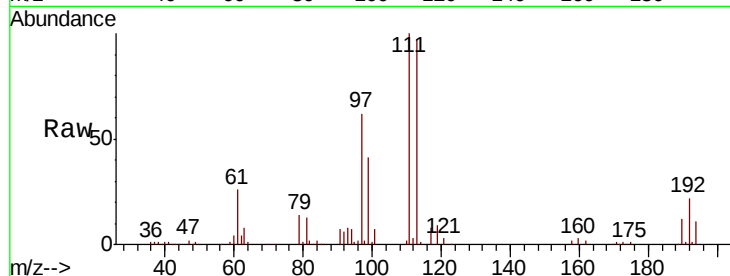




#35
 Dibromofluoromethane
 Concen: 48.980 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

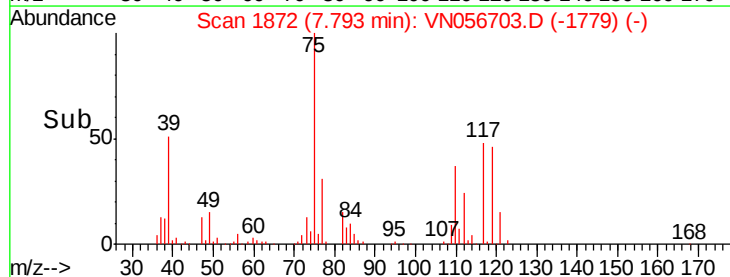
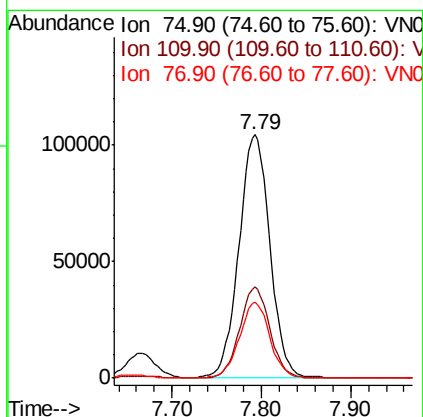
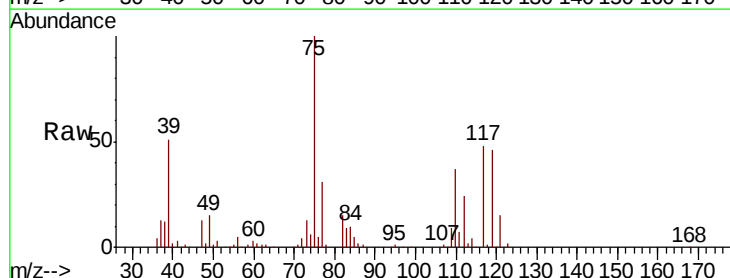
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

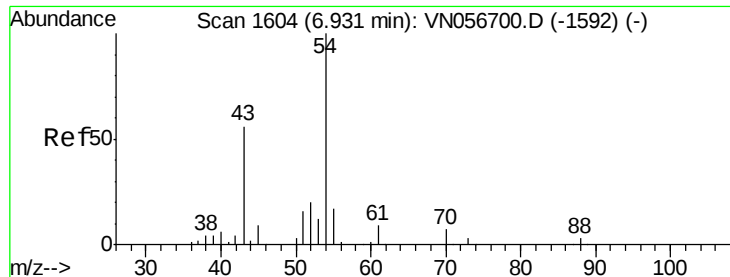
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	22.6	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 47.453 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.4
77	30.8	24.6	36.8

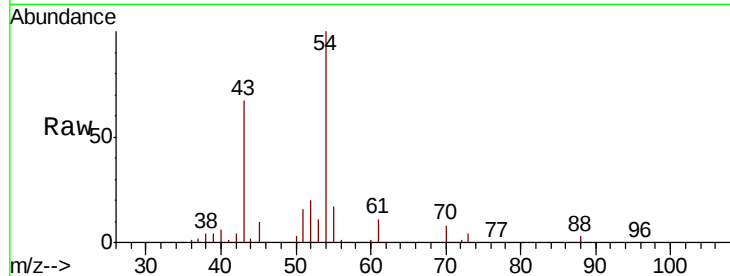




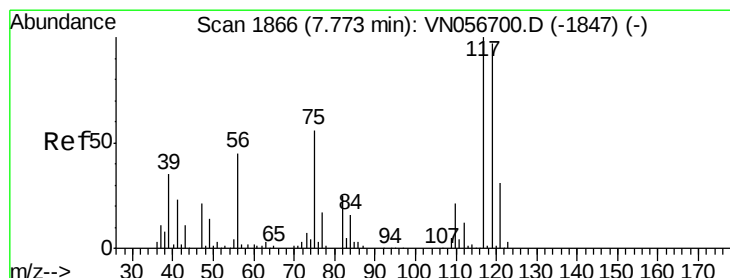
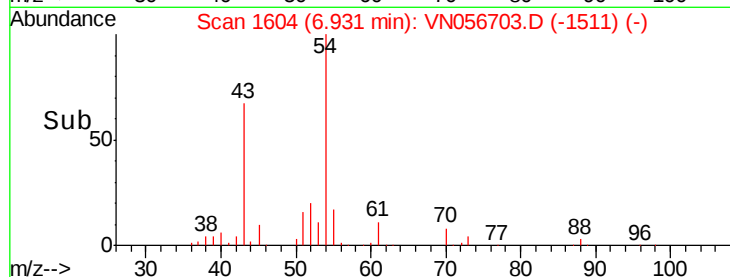
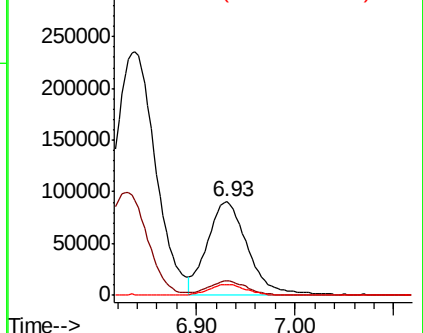
#37
Ethyl Acetate
Concen: 48.587 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN071519

Tot Ion: 43 Resp: 254011
Ion Ratio Lower Upper
43 100
61 15.4 11.3 16.9
70 11.2 8.5 12.7

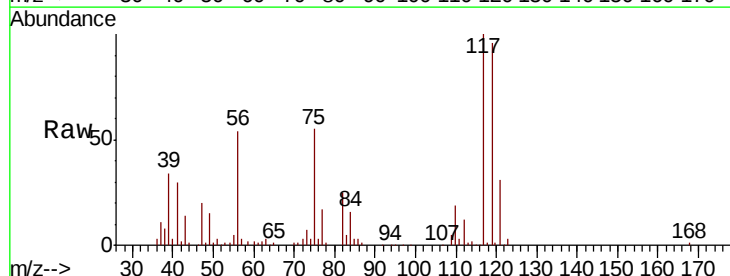


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

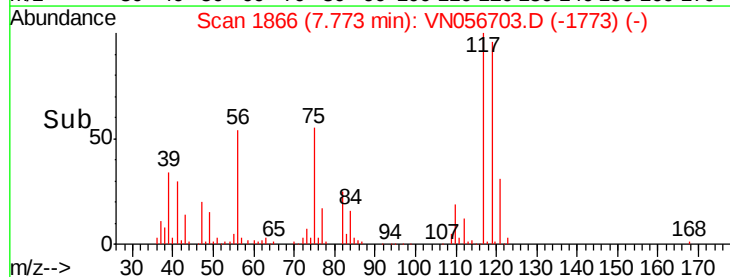
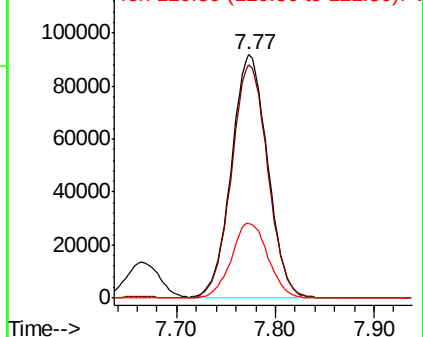


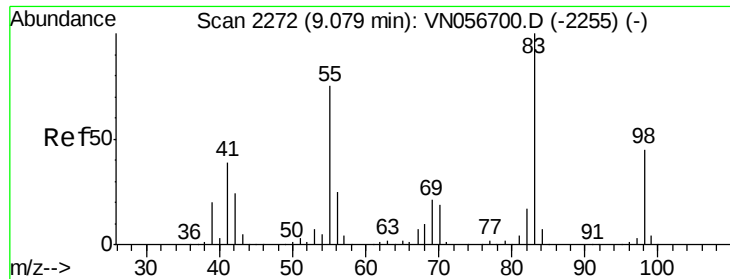
#38
Carbon Tetrachloride
Concen: 47.120 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 117 Resp: 234398
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3
121 30.8 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

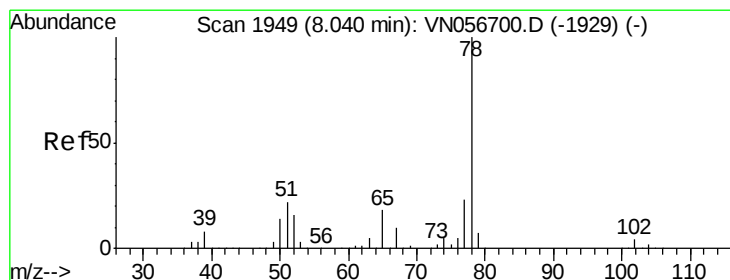
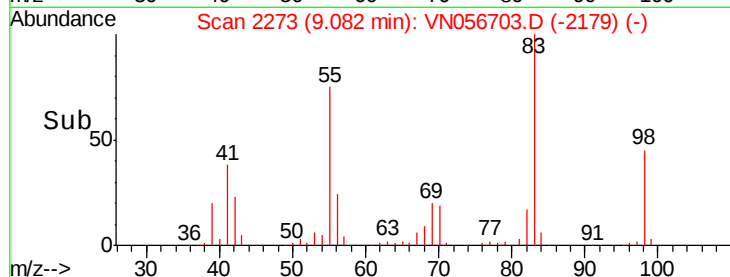
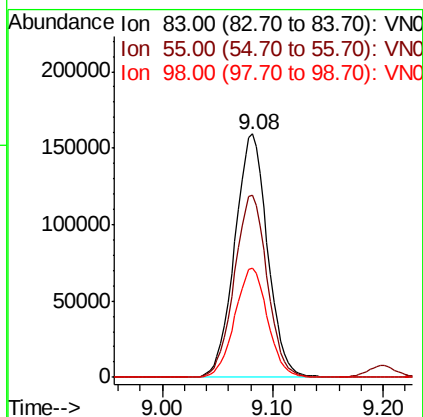
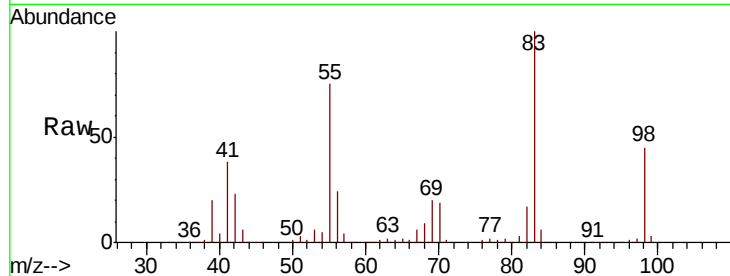




#39
Methvlcvclohexane
Concen: 49.984 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

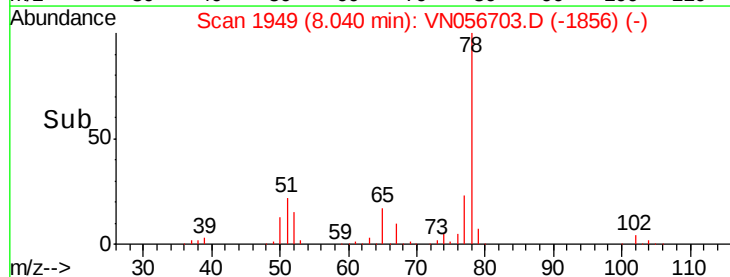
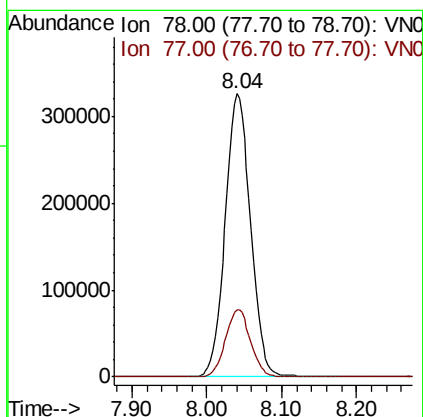
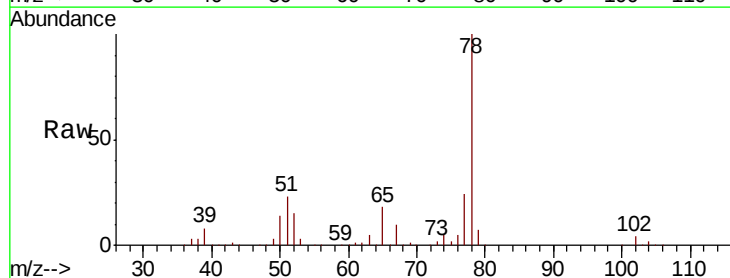
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

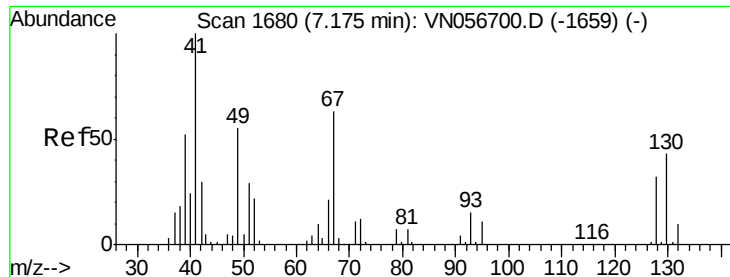
Tot Ion: 83 Resp: 327381
Ion Ratio Lower Upper
83 100
55 75.1 60.4 90.6
98 44.8 35.8 53.8



#40
Benzene
Concen: 46.909 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 78 Resp: 762413
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

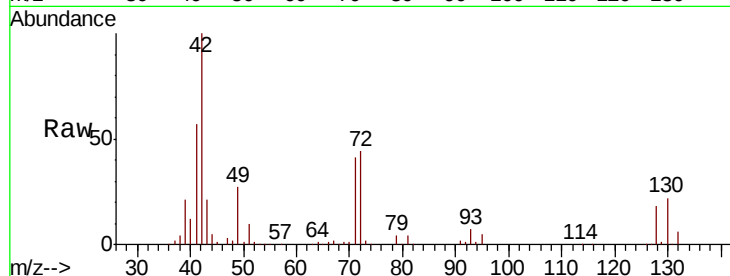




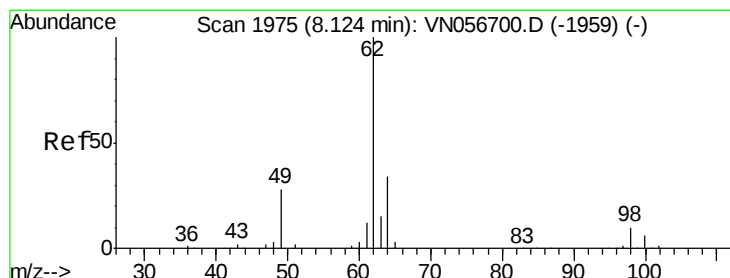
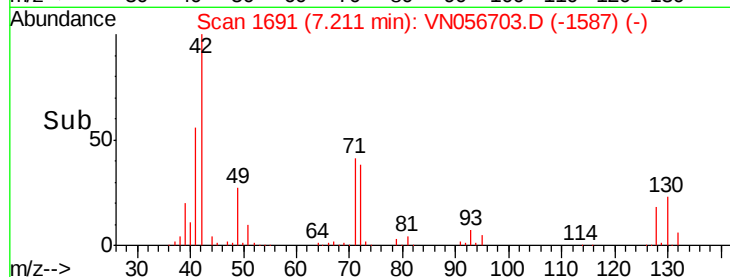
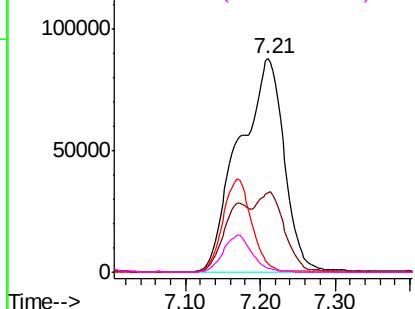
#41
Methacrylonitrile
Concen: 160.670 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN071519

Tot Ion:	41	Resp:	368969
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

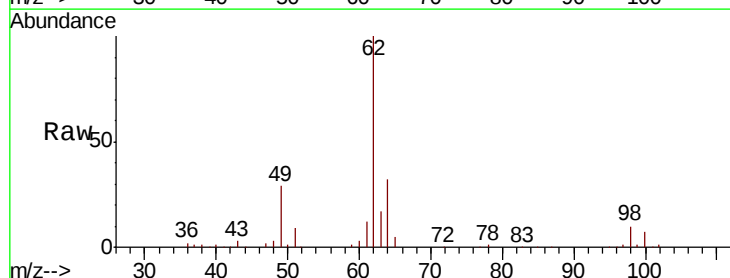


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

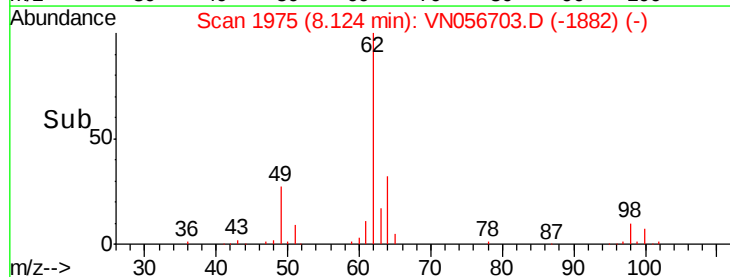
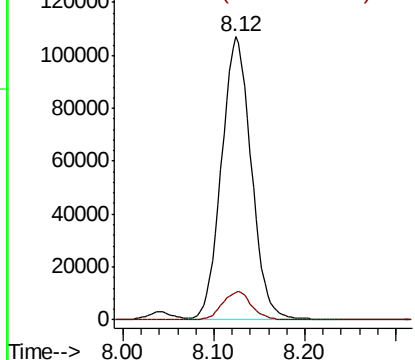


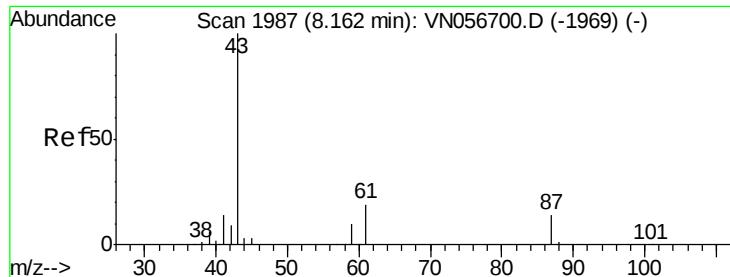
#42
1,2-Dichloroethane
Concen: 47.308 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:	62	Resp:	243008
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 48.967 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

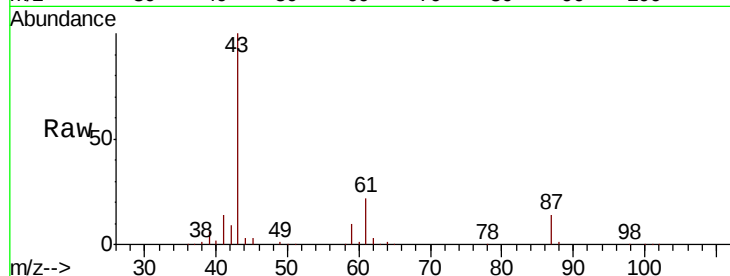
Tot Ion: 43 Resp: 402454

Ion Ratio Lower Upper

43 100

61 27.7 22.3 33.5

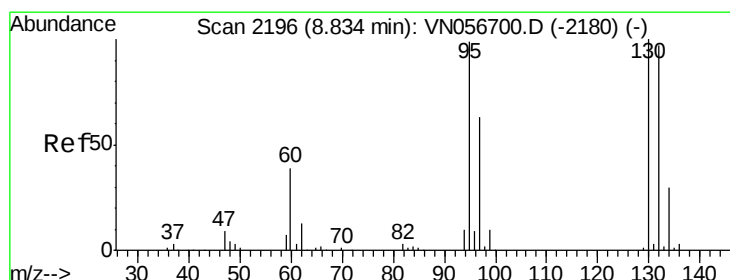
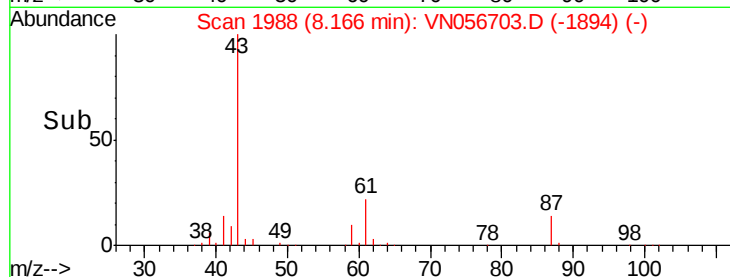
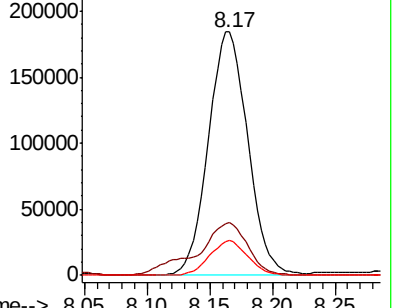
87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056703.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN056703.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN056703.D (-1988) (-)



#44

Trichloroethene

Concen: 47.524 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056703.D

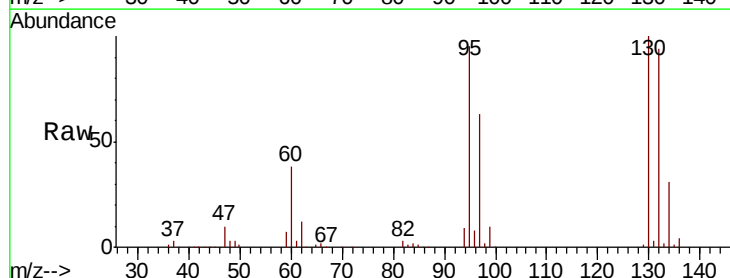
Acq: 15 Jul 2019 11:06

Tgt Ion: 130 Resp: 209750

Ion Ratio Lower Upper

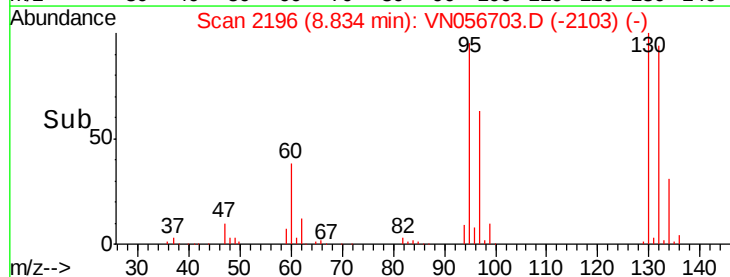
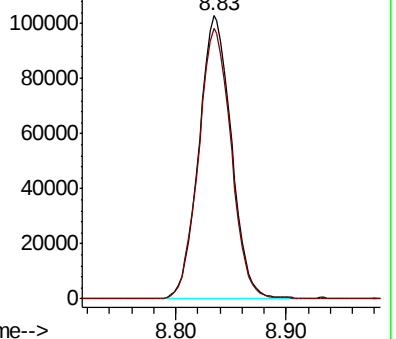
130 100

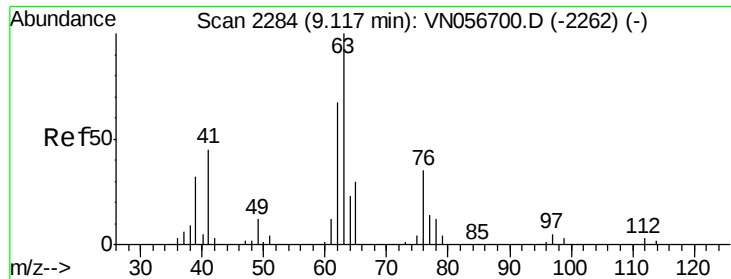
95 95.4 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056703.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN056703.D (-2196) (-)

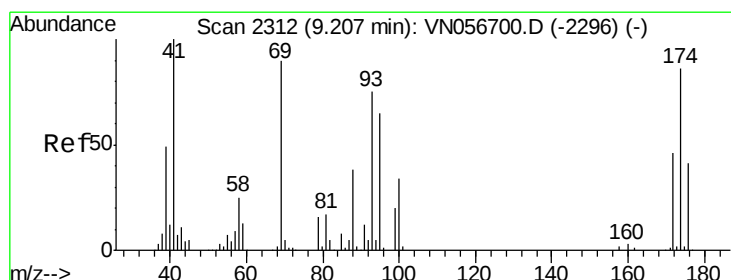
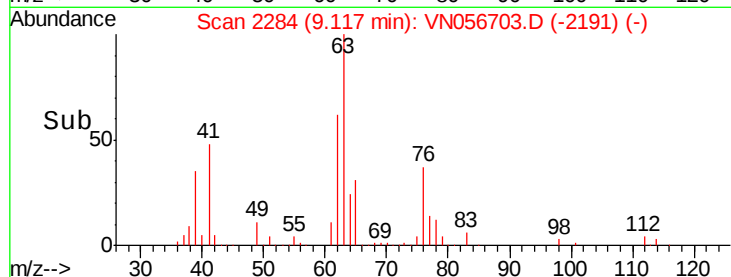
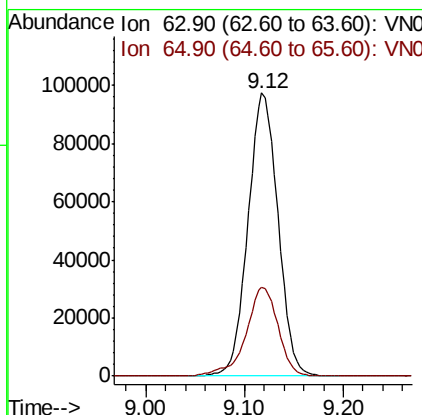
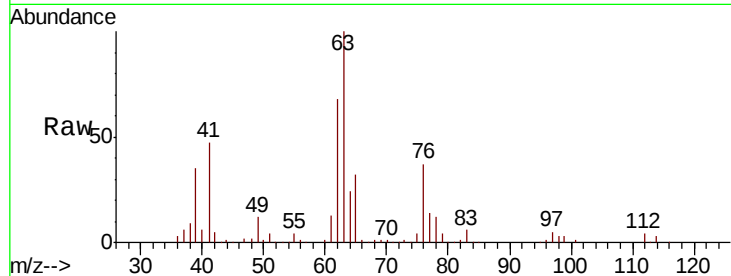




#45
 1,2-Dichloropropane
 Concen: 47.311 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

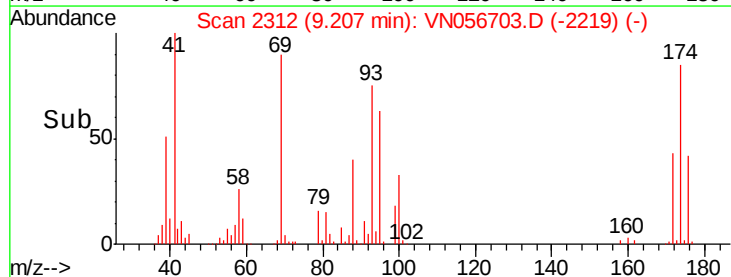
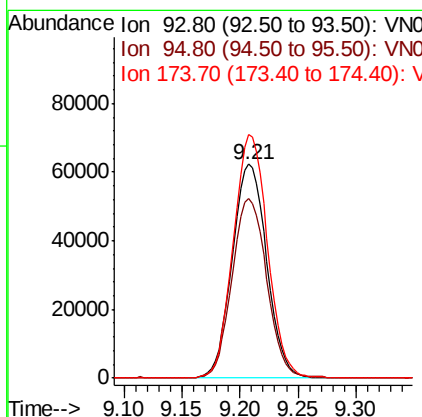
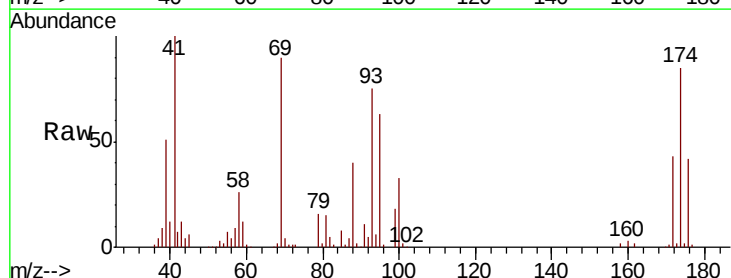
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN071519

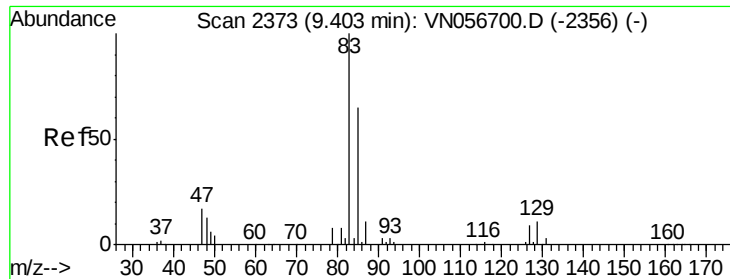
Tot Ion: 63 Resp: 204321
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.0 36.0



#46
 Dibromomethane
 Concen: 48.218 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 93 Resp: 129045
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.4 101.0
 174 112.6 90.3 135.5





#47

Bromodichloromethane

Concen: 47.942 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

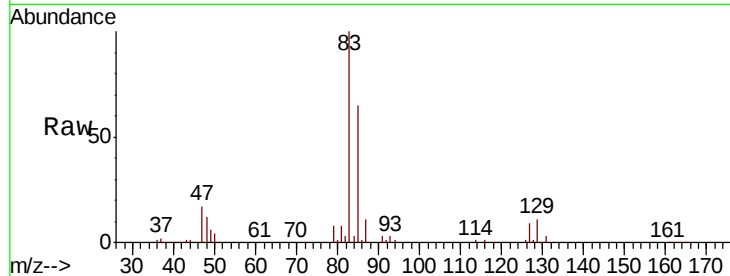
Tot Ion: 83 Resp: 243817

Ion Ratio Lower Upper

83 100

85 64.6 52.3 78.5

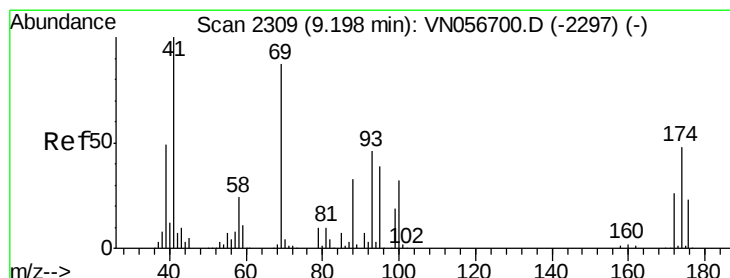
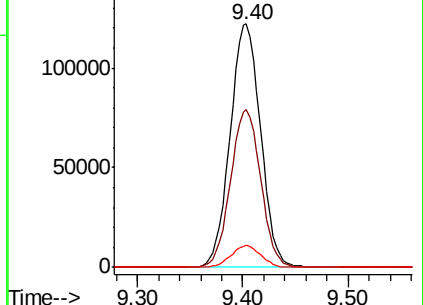
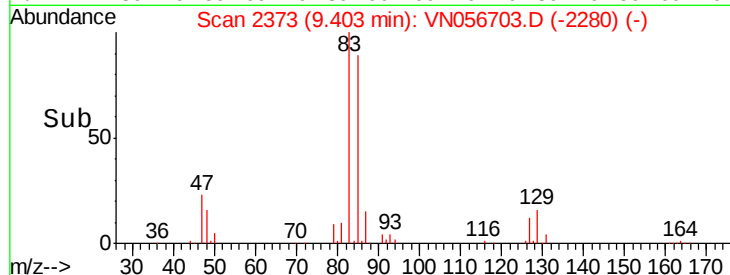
127 8.9 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN056703.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056703.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056703.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.594 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

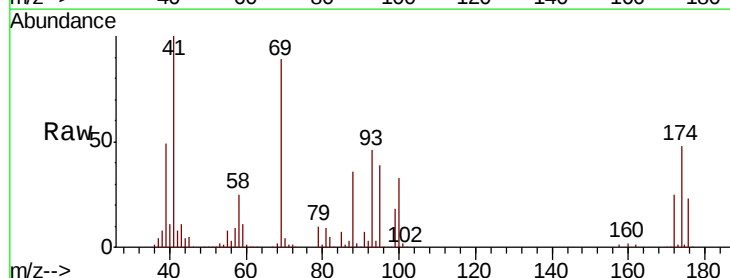
Tgt Ion: 41 Resp: 193149

Ion Ratio Lower Upper

41 100

69 92.9 71.4 107.0

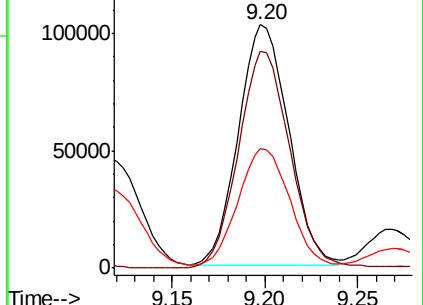
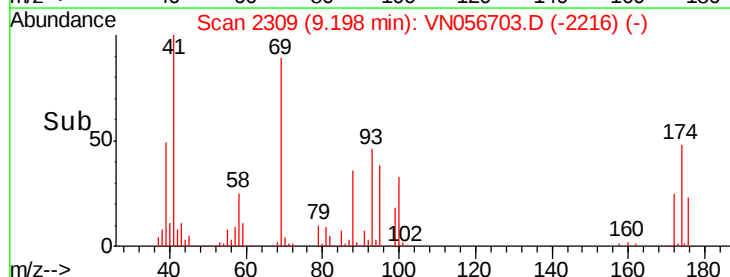
39 51.6 41.2 61.8

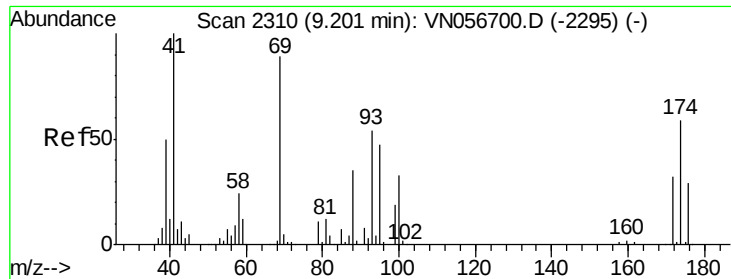


Abundance Ion 41.00 (40.70 to 41.70): VN056703.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056703.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056703.D (-2216) (-)

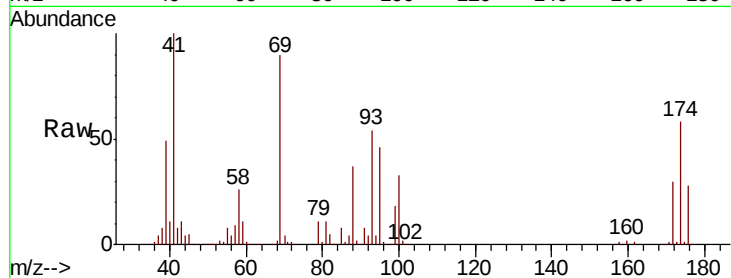




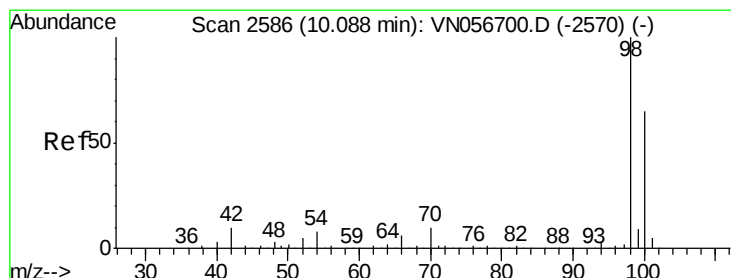
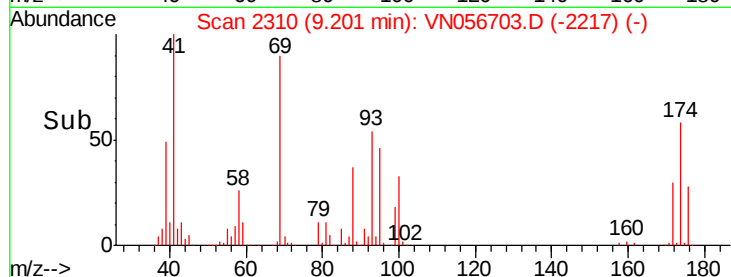
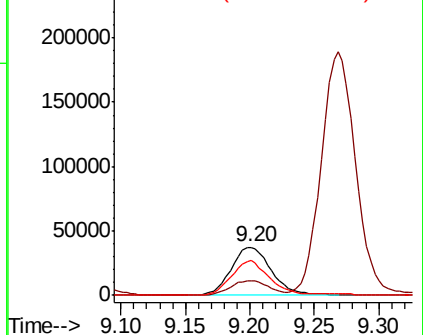
#49
 1,4-Dioxane
 Concen: 1000.421 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion: 88 Resp: 81592
 Ion Ratio Lower Upper
 88 100
 43 28.9 23.7 35.5
 58 67.6 55.6 83.4

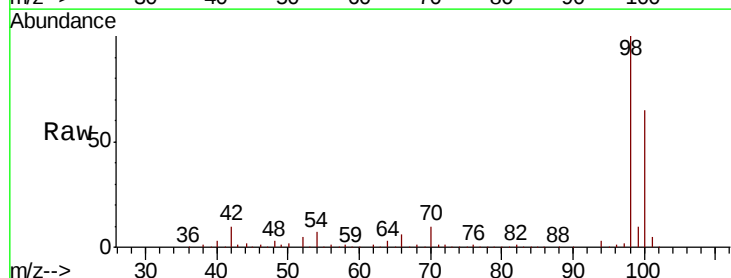


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

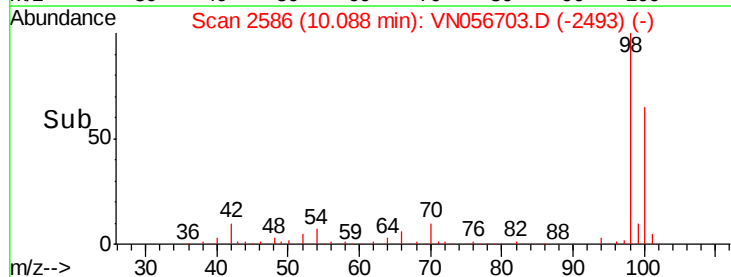
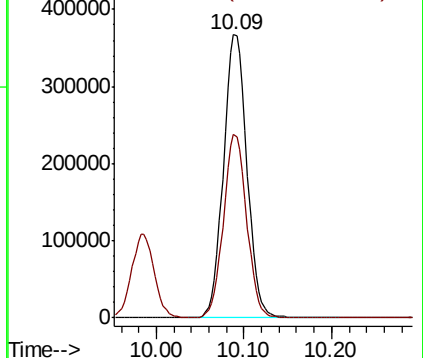


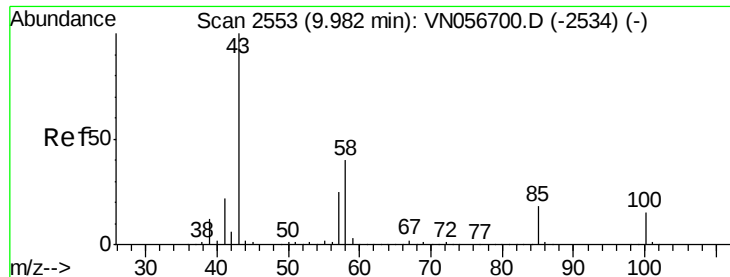
#50
 Toluene-d8
 Concen: 49.692 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 98 Resp: 684650
 Ion Ratio Lower Upper
 98 100
 100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 239.875 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

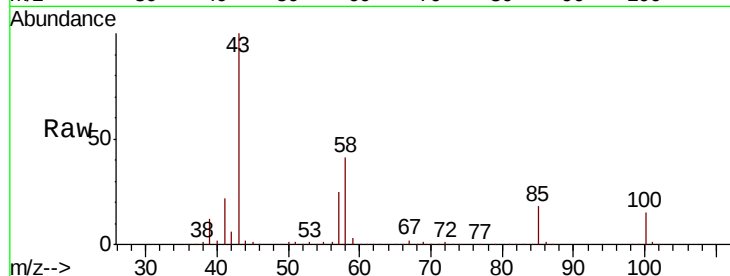
ICVVN071519

Tot Ion: 43 Resp: 1276909

Ion Ratio Lower Upper

43 100

58 40.5 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

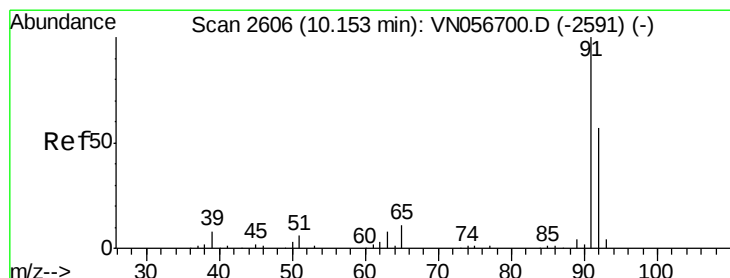
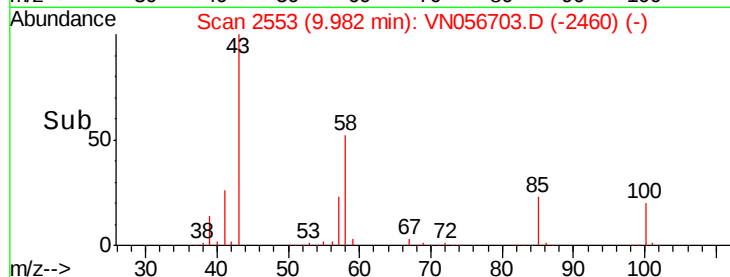
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.941 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056703.D

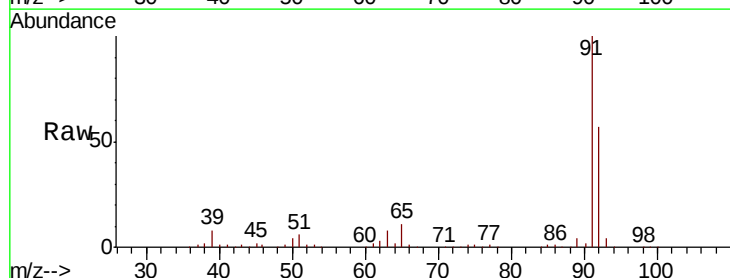
Acq: 15 Jul 2019 11:06

Tgt Ion: 92 Resp: 472393

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

500000

400000

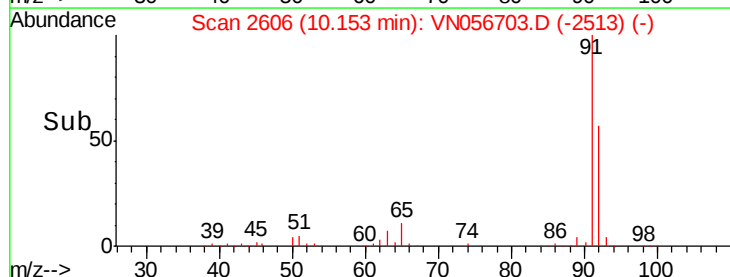
300000

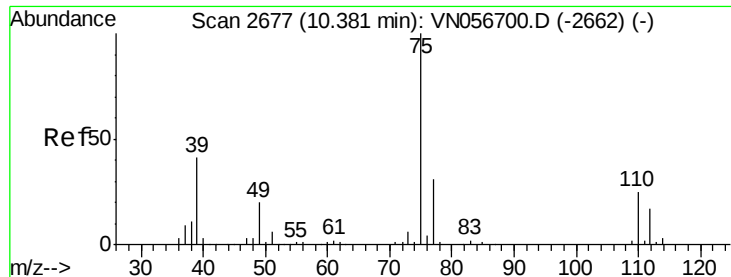
200000

100000

0

Time-->

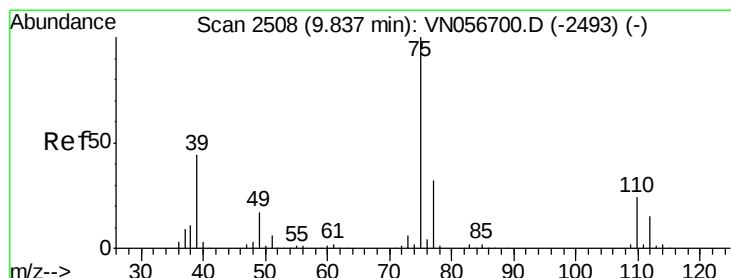
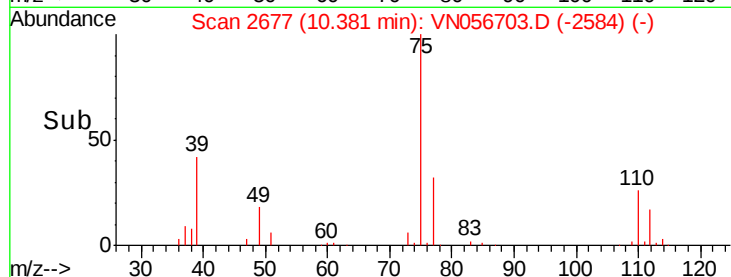
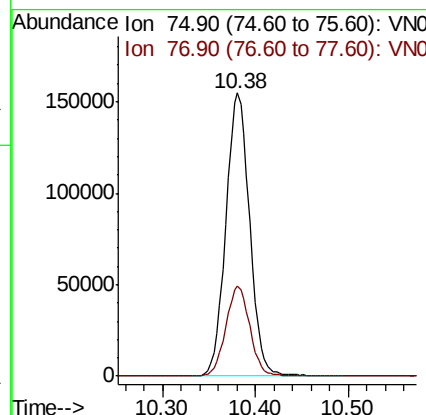
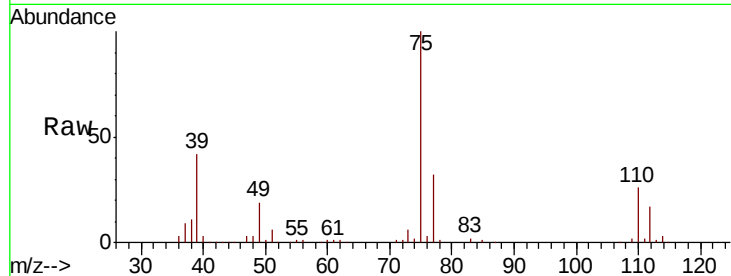




#53
 t-1,3-Dichloropropene
 Concen: 51.752 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

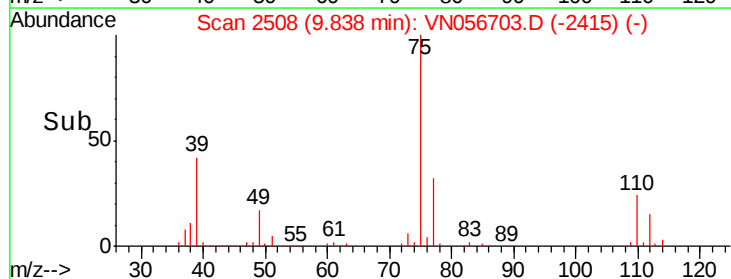
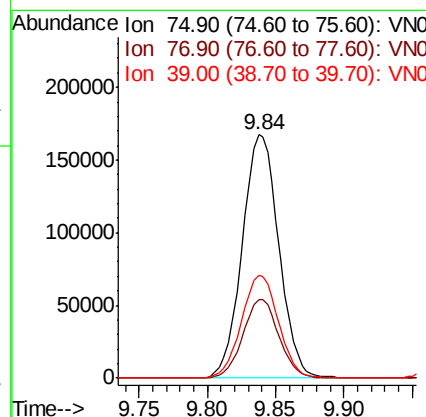
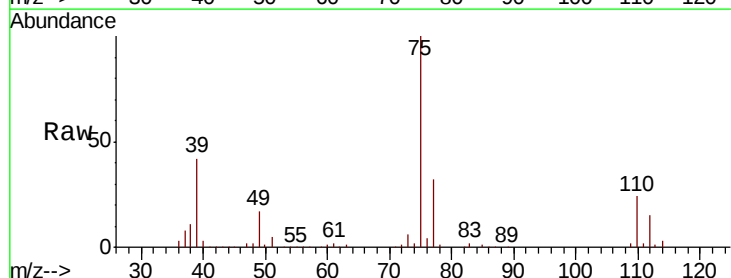
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

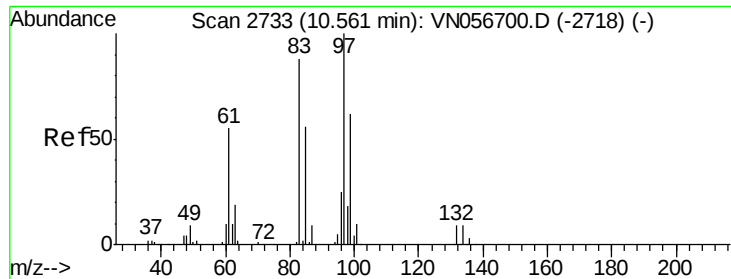
Tot Ion: 75 Resp: 274596
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 50.572 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 75 Resp: 311378
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0
 39 42.3 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 45.818 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 97 Resp: 185492

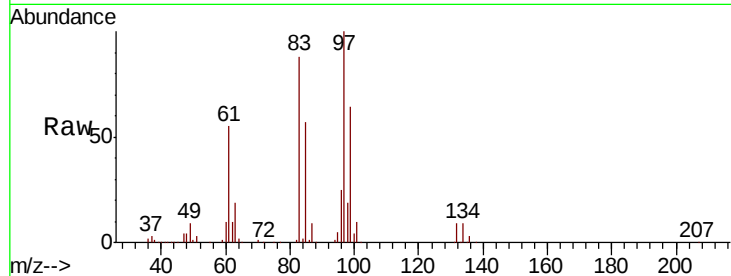
Ion Ratio Lower Upper

97 100

83 88.2 70.3 105.5

85 57.2 44.8 67.2

99 64.5 49.6 74.4

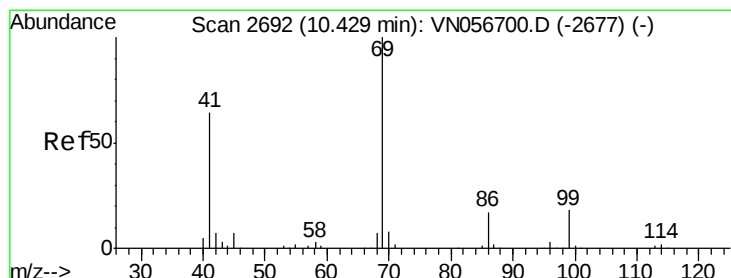
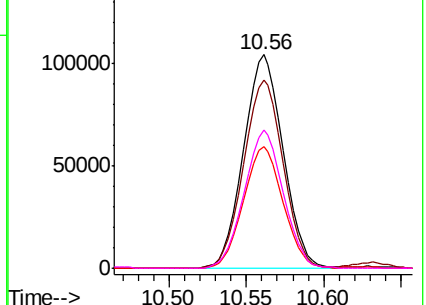
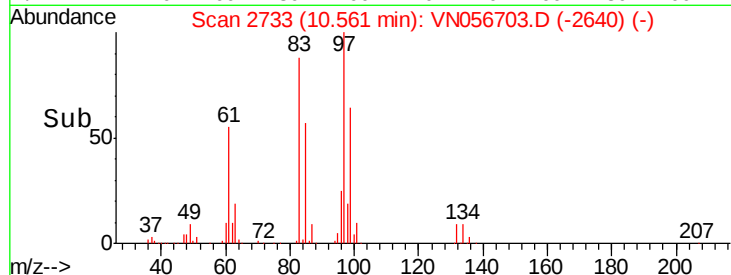


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.573 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

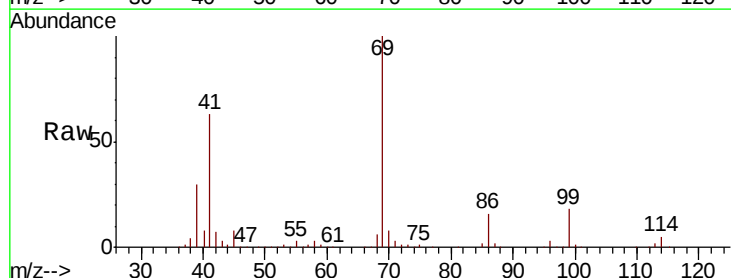
Tgt Ion: 69 Resp: 300425

Ion Ratio Lower Upper

69 100

41 62.8 51.0 76.4

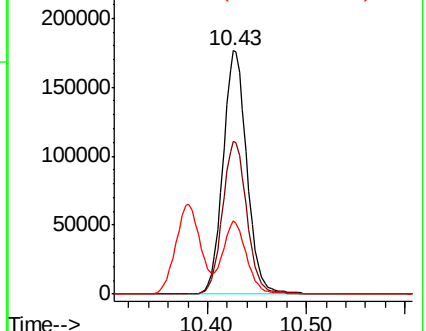
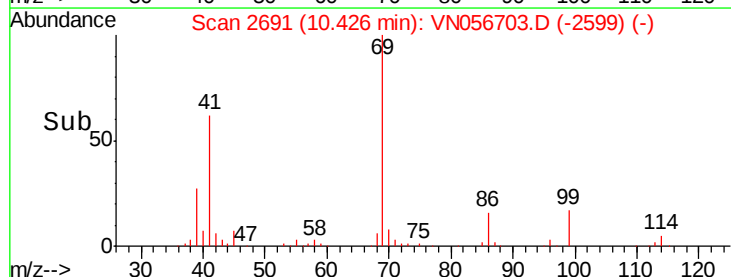
39 30.1 24.6 36.8

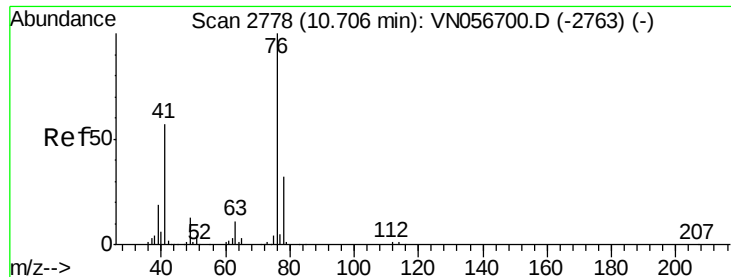


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

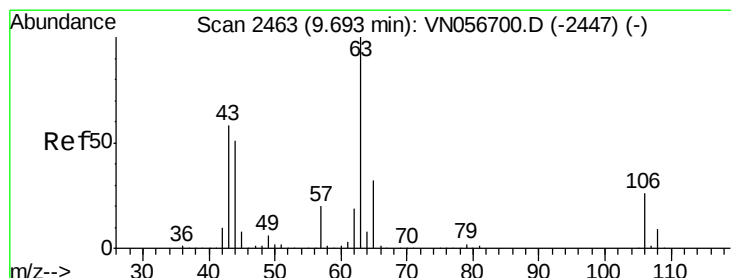
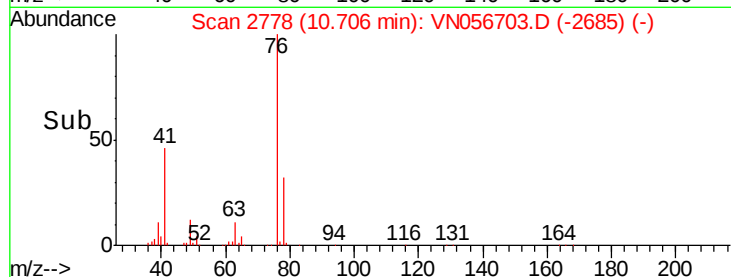
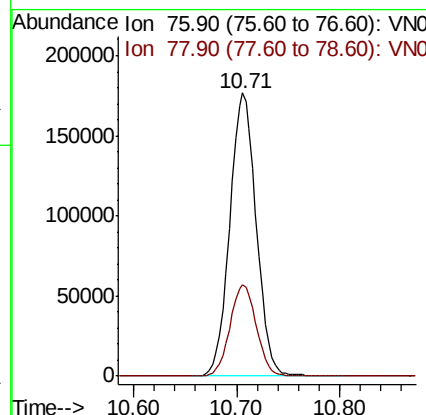
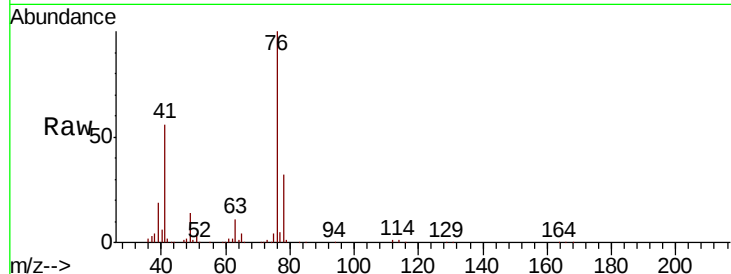




#57
 1,3-Dichloropropane
 Concen: 47.734 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

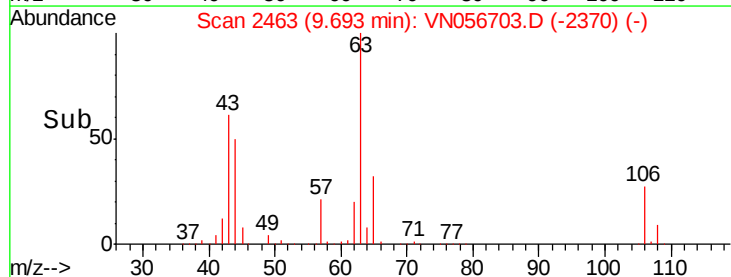
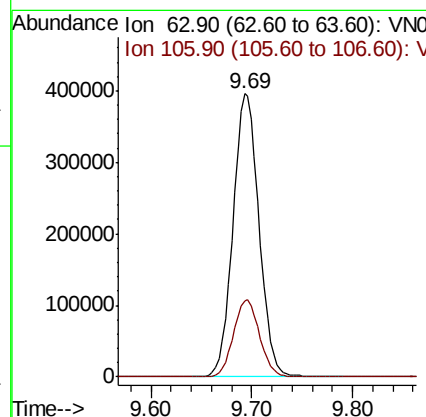
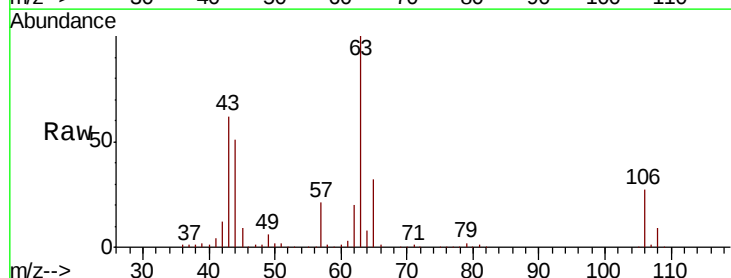
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

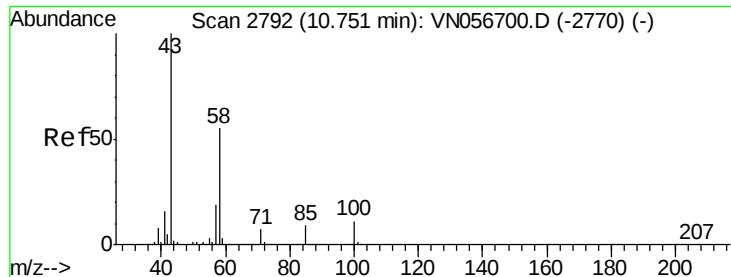
Tot Ion: 76 Resp: 315629
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.005 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 63 Resp: 711514
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.2 31.8

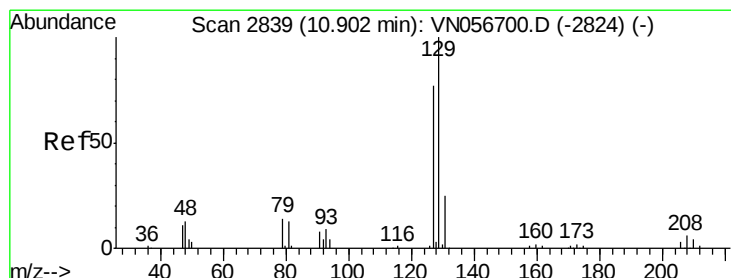
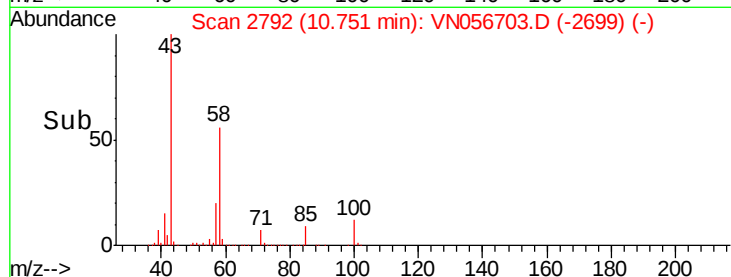
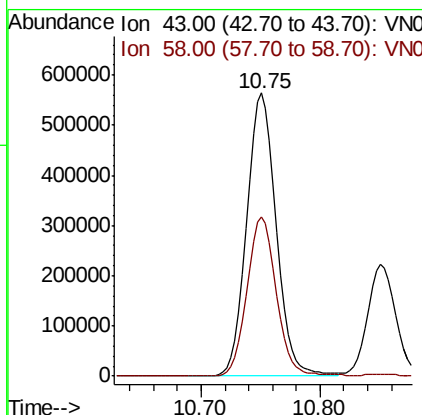
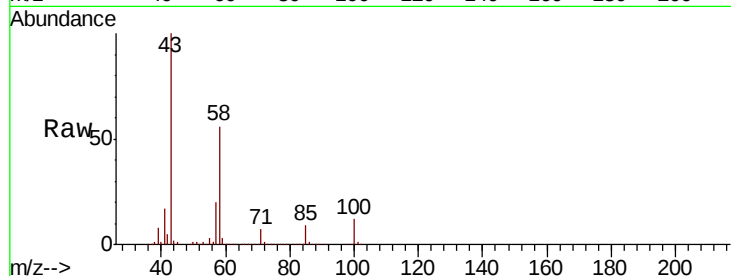




#59
2-Hexanone
Concen: 253.543 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

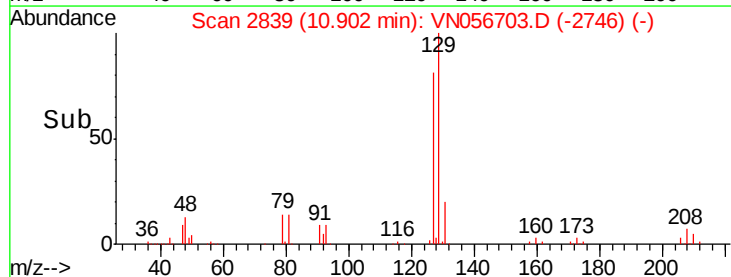
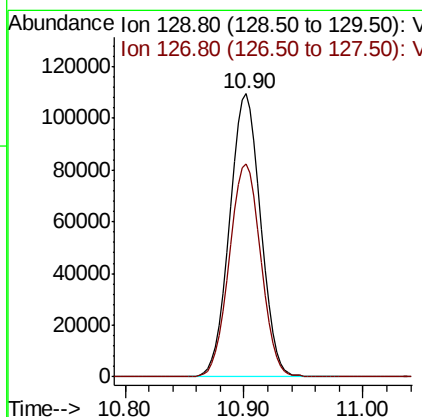
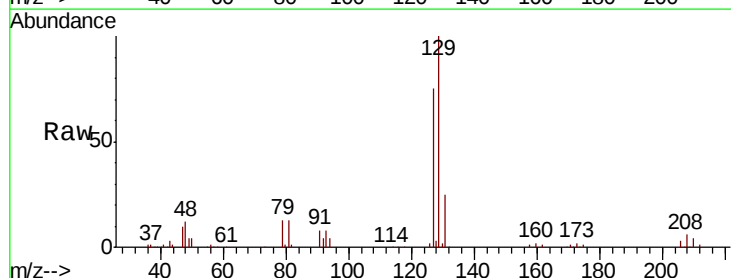
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

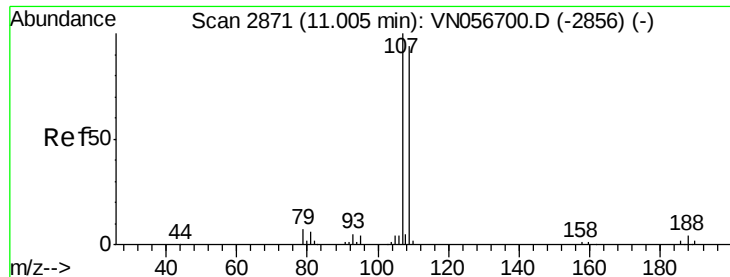
Tot Ion: 43 Resp: 968433
Ion Ratio Lower Upper
43 100
58 56.0 27.9 83.6



#60
Dibromochloromethane
Concen: 49.649 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 129 Resp: 197682
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.155 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

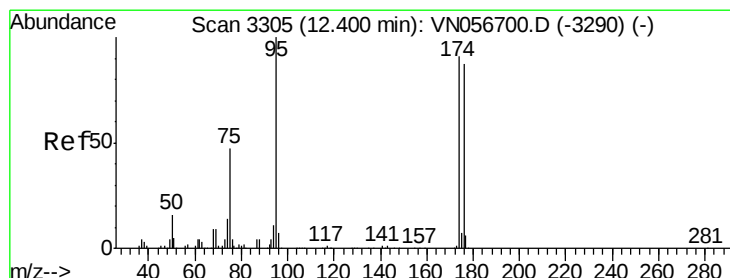
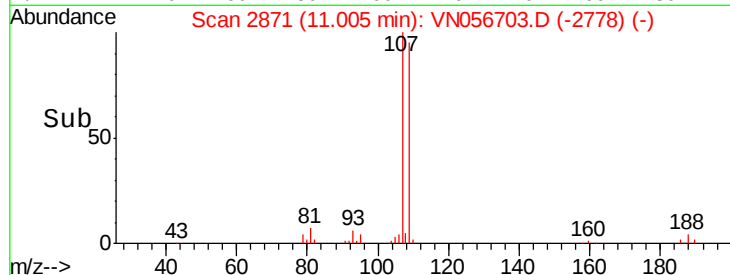
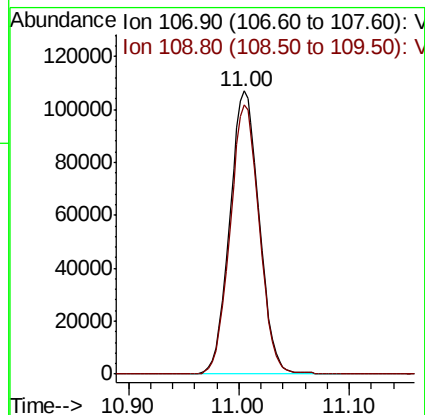
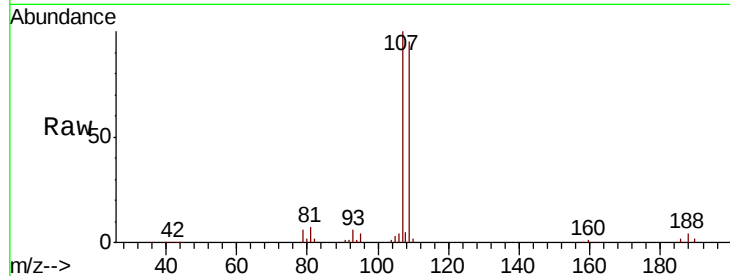
ICVVN071519

Tot Ion:107 Resp: 197773

Ion Ratio Lower Upper

107 100

109 94.6 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 51.073 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

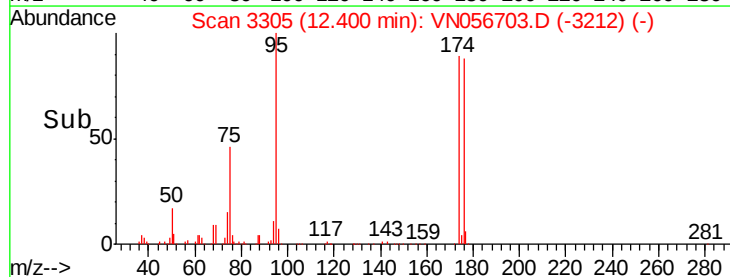
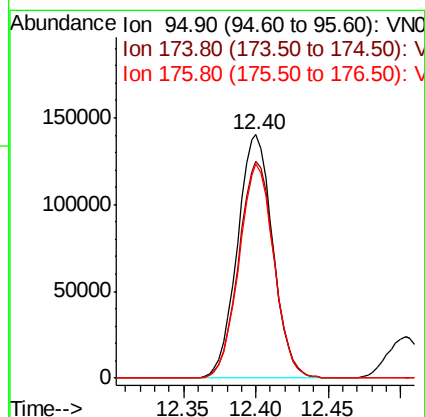
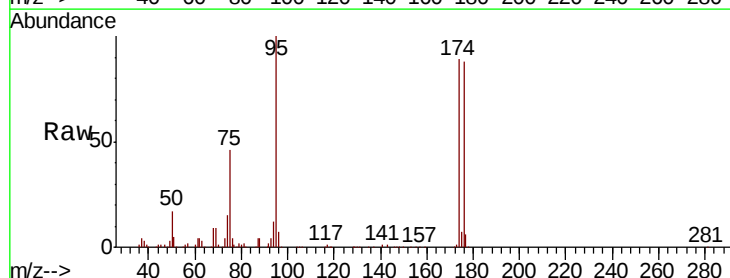
Tgt Ion: 95 Resp: 237303

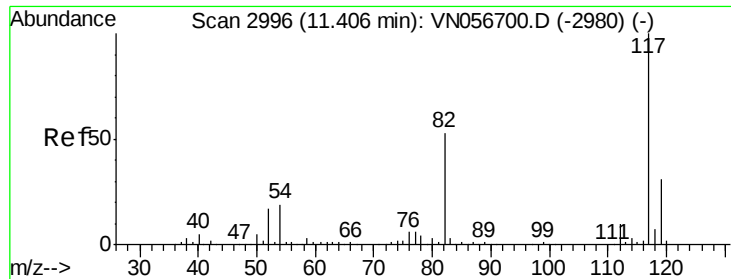
Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

176 87.0 0.0 173.2

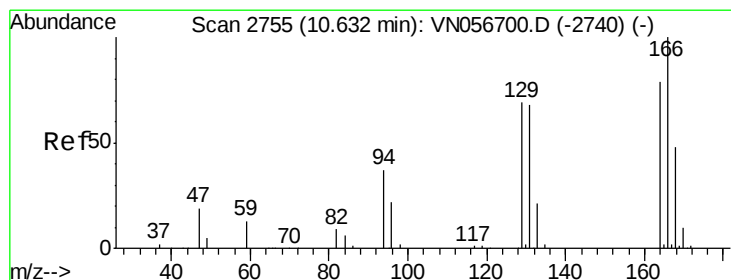
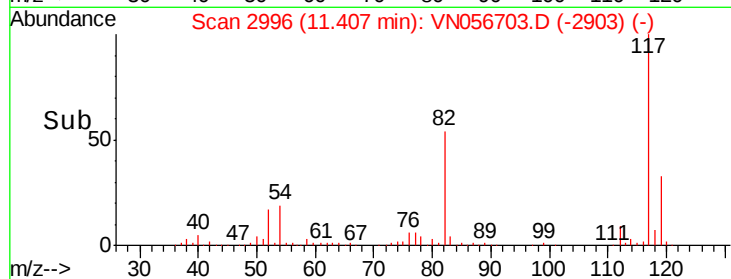
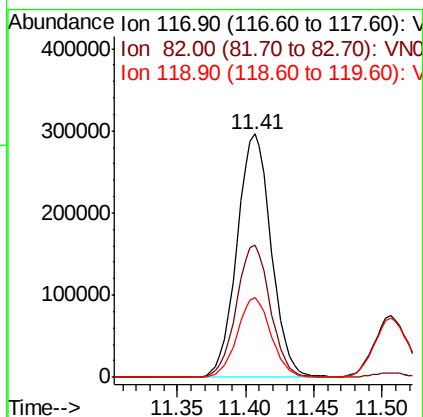
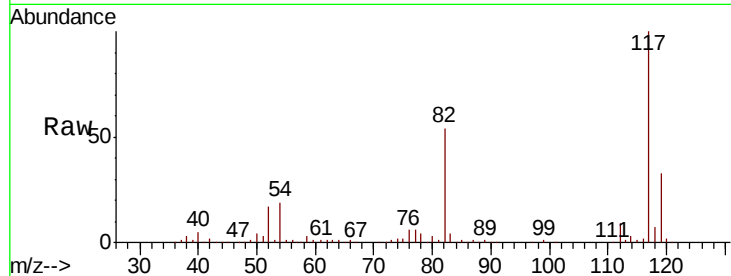




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

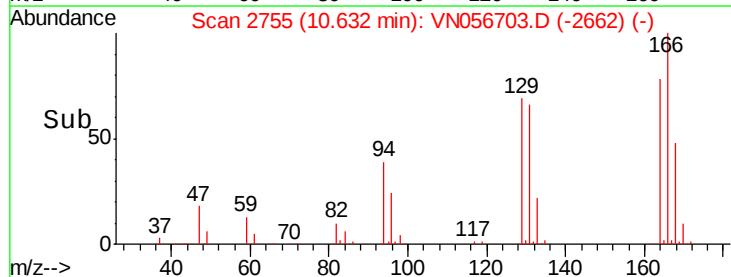
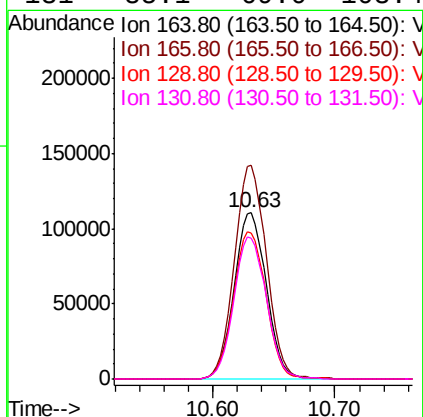
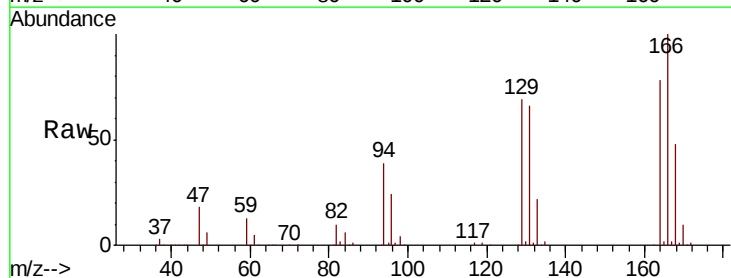
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

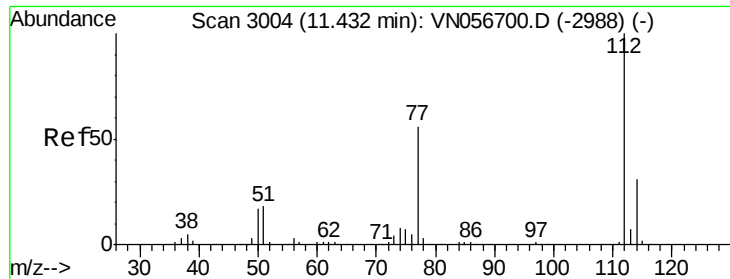
Tot Ion:117 Resp: 515493
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.2
119 32.6 25.2 37.8



#64
Tetrachloroethene
Concen: 45.401 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:164 Resp: 201909
Ion Ratio Lower Upper
164 100
166 128.7 101.4 152.2
129 88.3 69.6 104.4
131 85.1 69.0 103.4

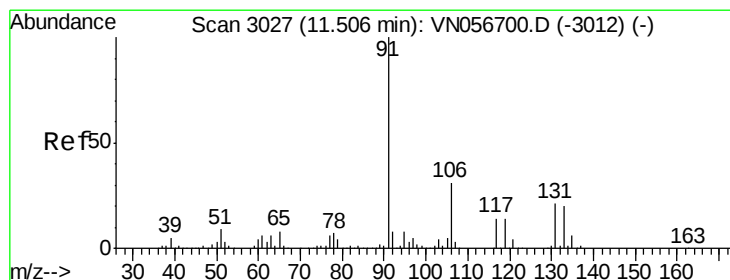
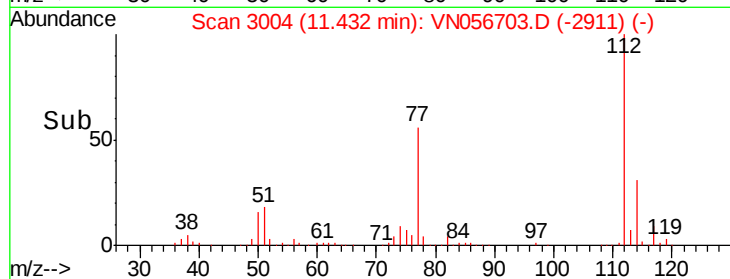
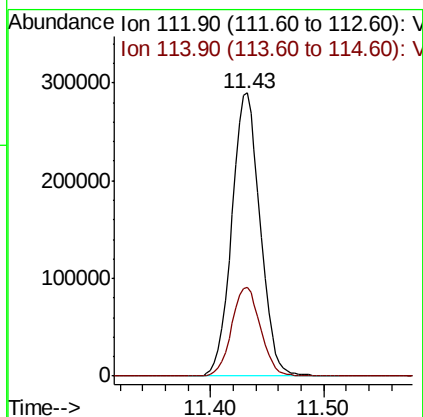
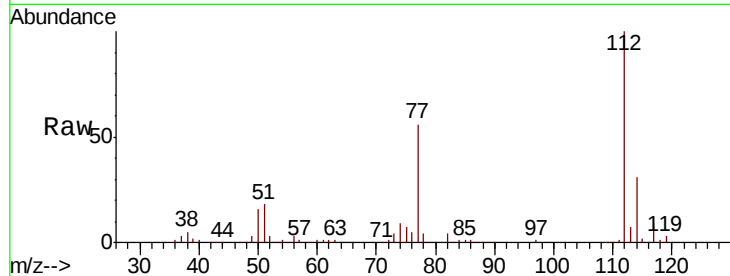




#65
Chlorobenzene
Concen: 47.978 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

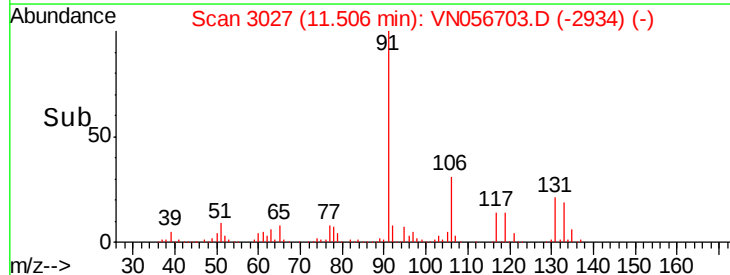
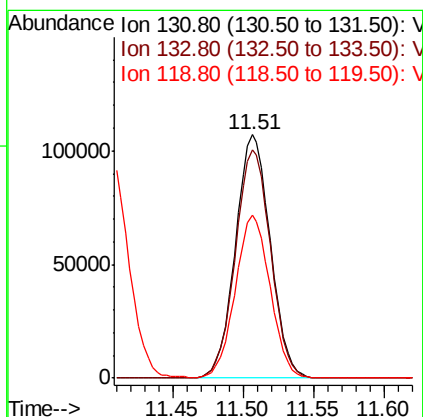
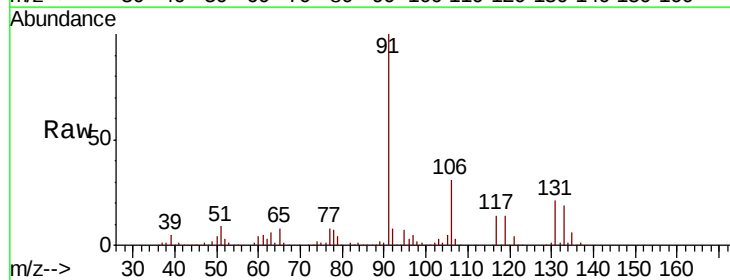
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

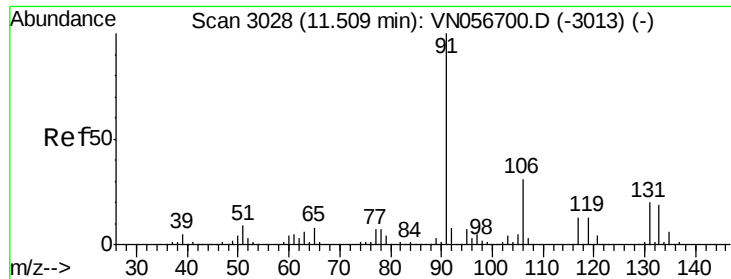
Tot Ion:112 Resp: 505709
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.892 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:131 Resp: 185865
Ion Ratio Lower Upper
131 100
133 94.8 46.9 140.7
119 66.8 32.8 98.3

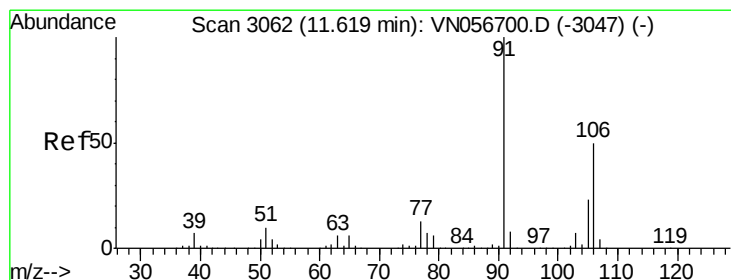
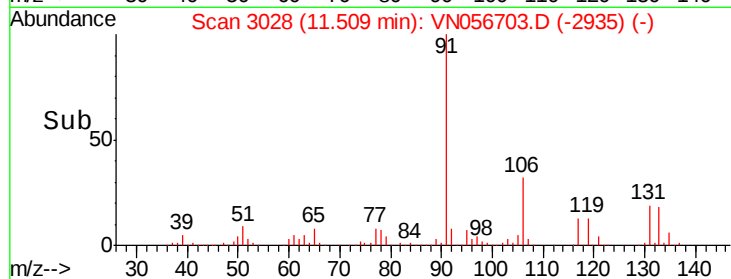
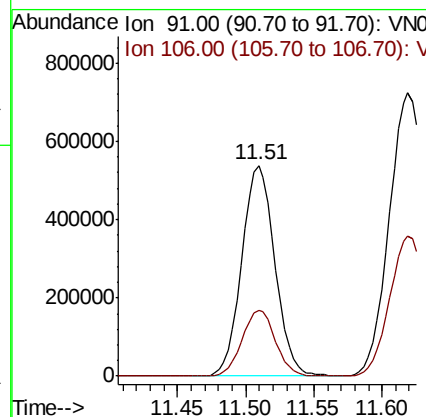
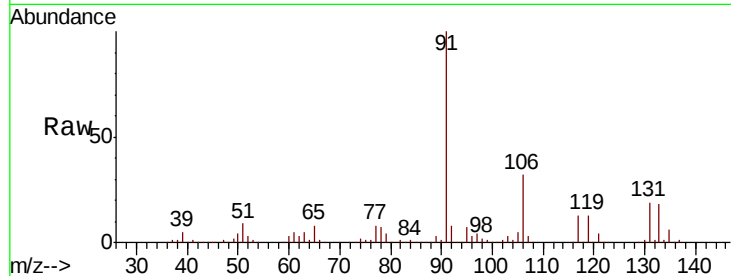




#67
Ethyl Benzene
Concen: 48.993 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

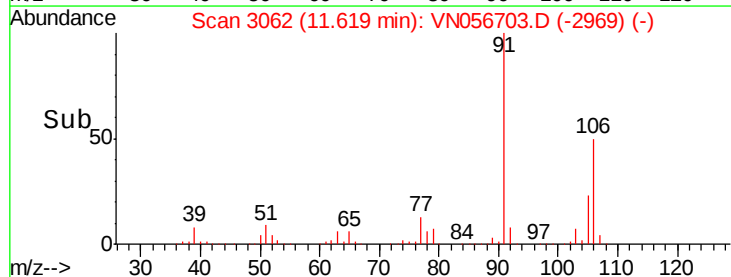
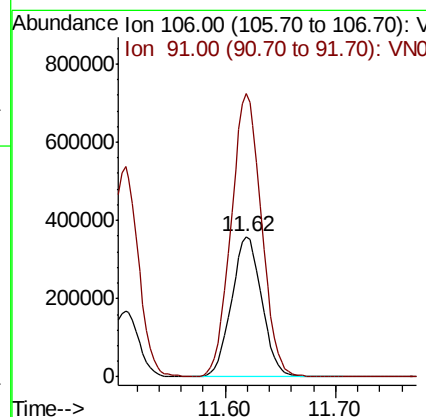
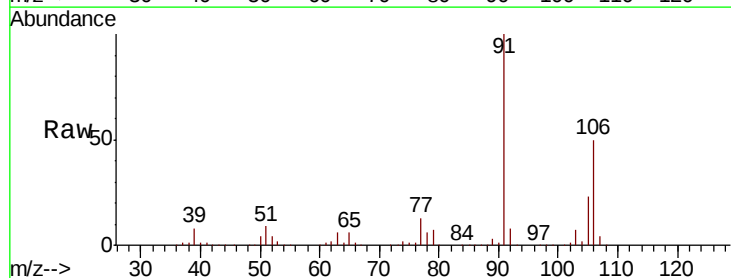
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

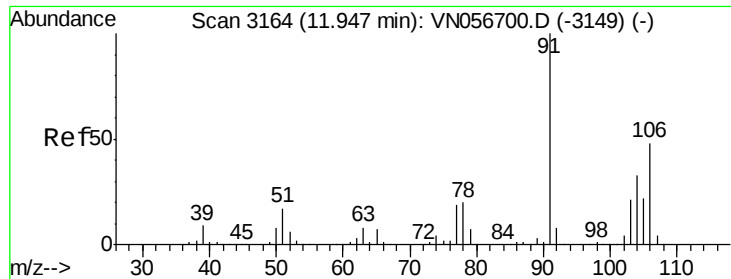
Tot Ion: 91 Resp: 907537
Ion Ratio Lower Upper
91 100
106 31.6 24.8 37.2



#68
m/p-Xylenes
Concen: 98.394 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 106 Resp: 681164
Ion Ratio Lower Upper
106 100
91 202.7 160.5 240.7

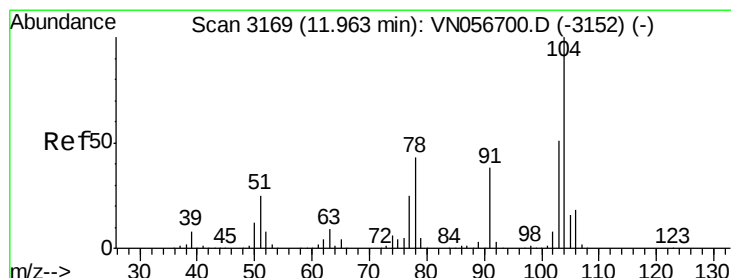
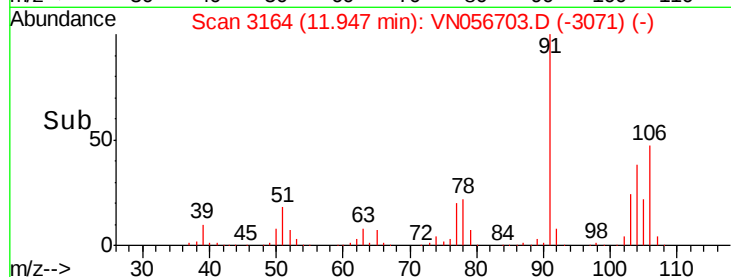
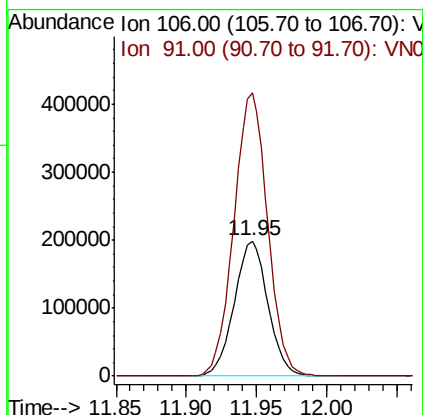
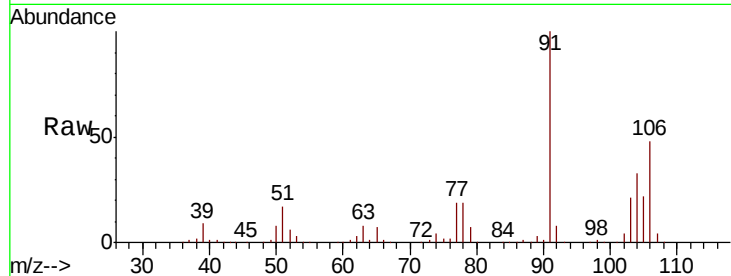




#69
o-Xylene
Concen: 48.759 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

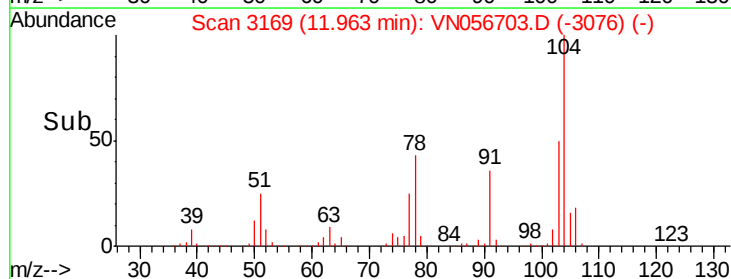
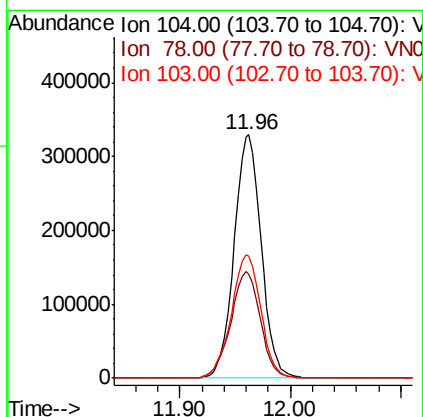
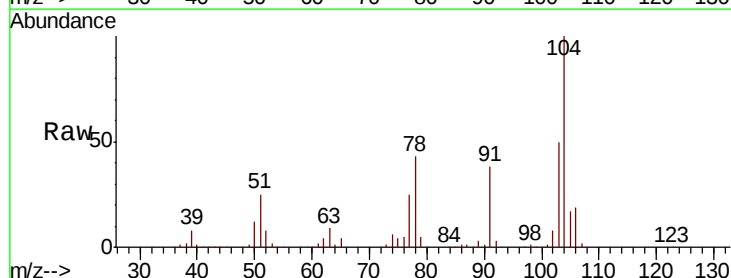
Instrument :
MSVOA_N
ClientSampled :
ICVVN071519

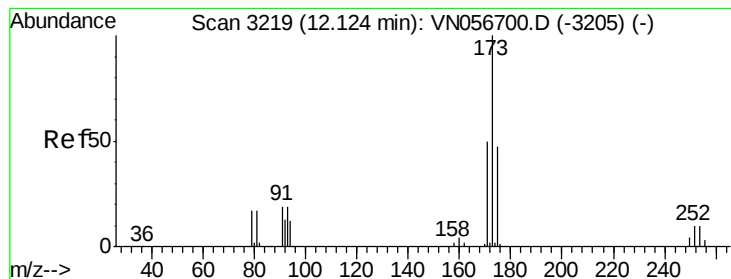
Tot Ion:106 Resp: 331857
Ion Ratio Lower Upper
106 100
91 210.3 105.6 316.8



#70
Styrene
Concen: 50.886 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:104 Resp: 559916
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.2 44.2 66.4





#71

Bromoform

Concen: 50.053 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

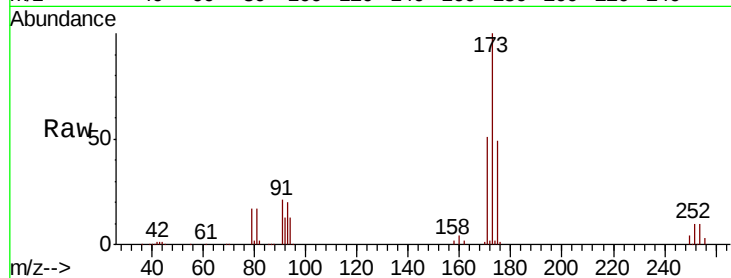
Tot Ion:173 Resp: 147801

Ion Ratio Lower Upper

173 100

175 48.8 23.8 71.4

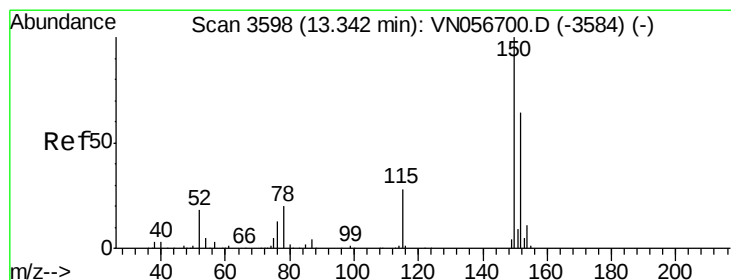
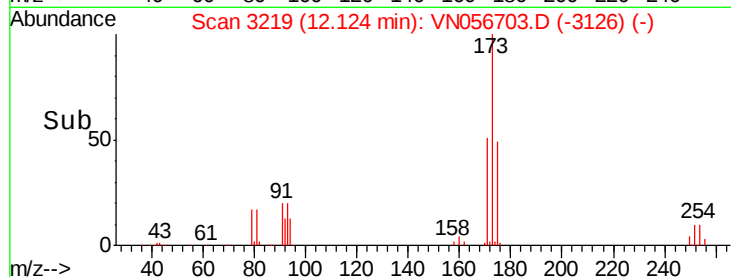
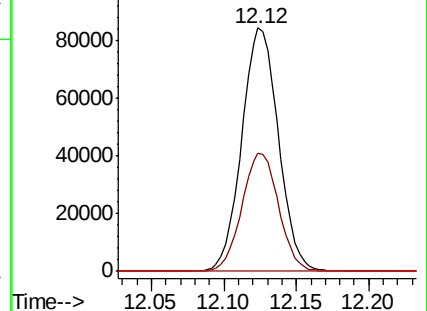
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

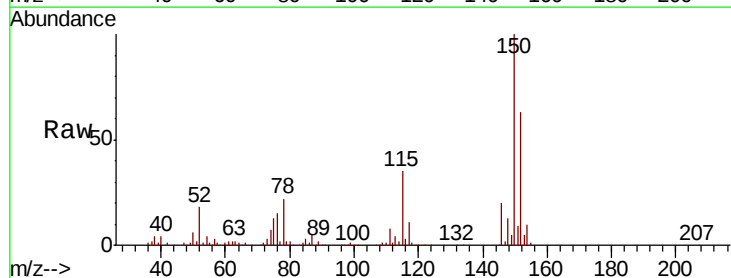
Tgt Ion:152 Resp: 242292

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

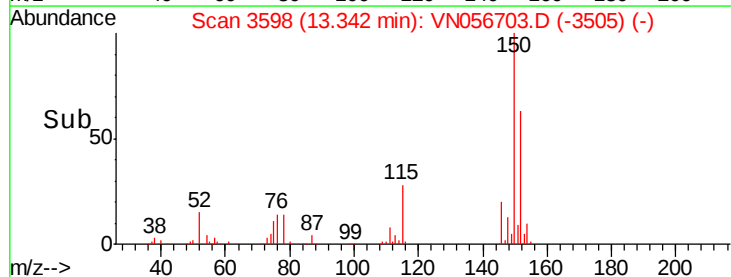
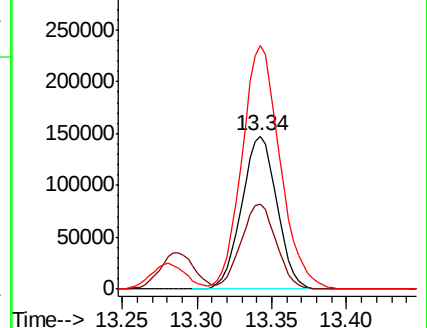
150 172.2 0.0 345.8

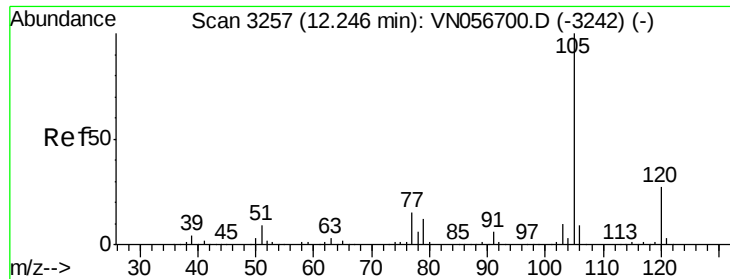


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.721 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

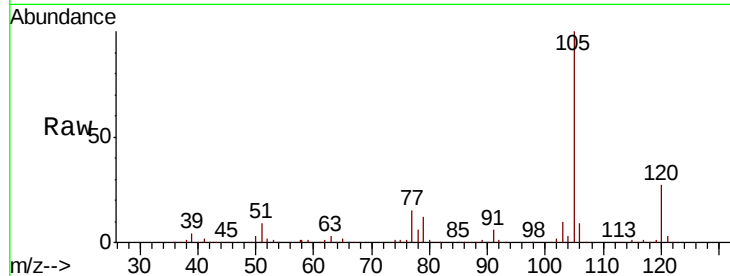
ICVVN071519

Tot Ion:105 Resp: 873682

Ion Ratio Lower Upper

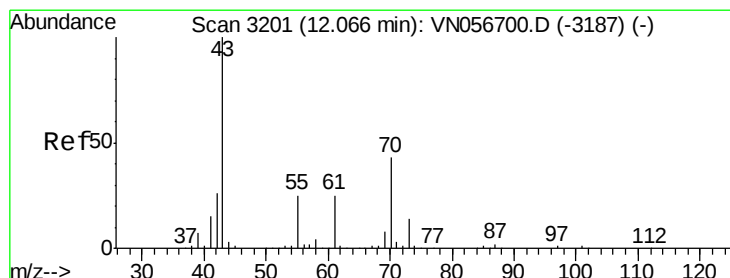
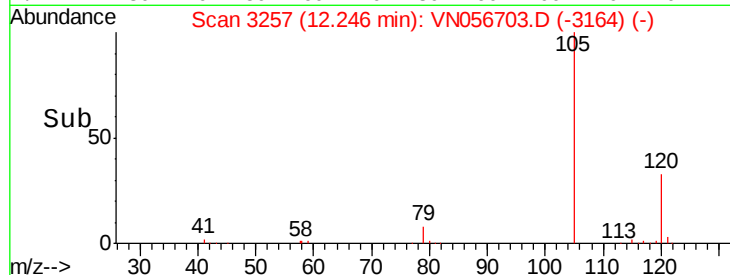
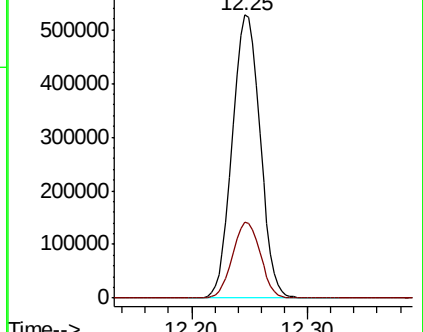
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.969 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion: 43 Resp: 341738

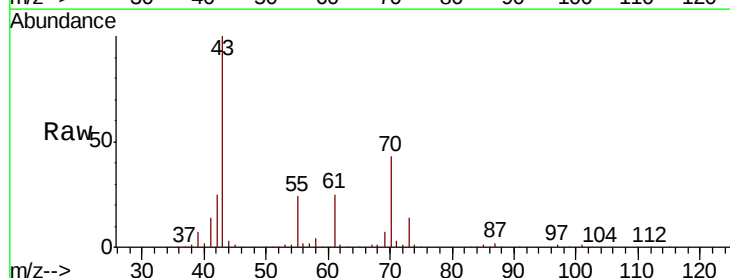
Ion Ratio Lower Upper

43 100

70 43.3 34.5 51.7

55 24.8 20.2 30.2

61 25.1 19.9 29.9

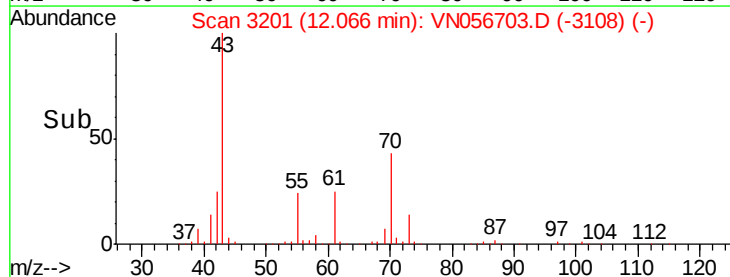
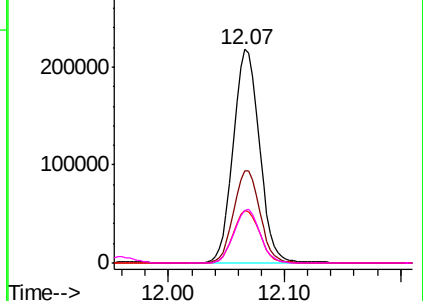


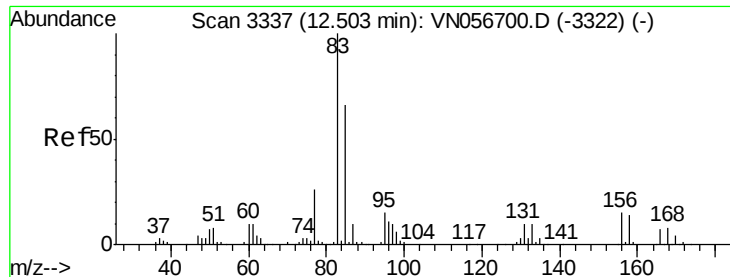
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.683 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

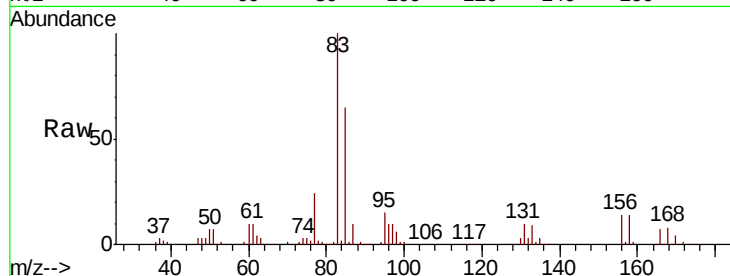
Tot Ion: 83 Resp: 270259

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

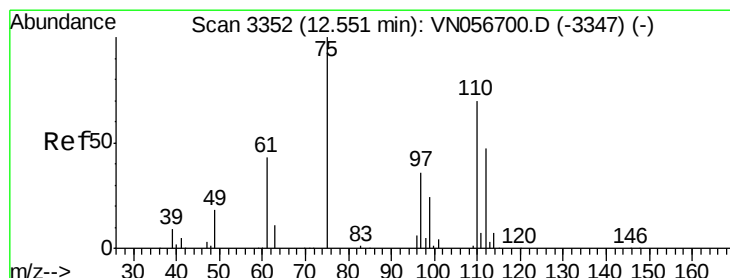
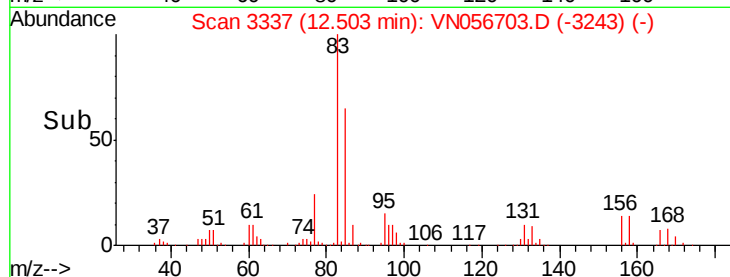
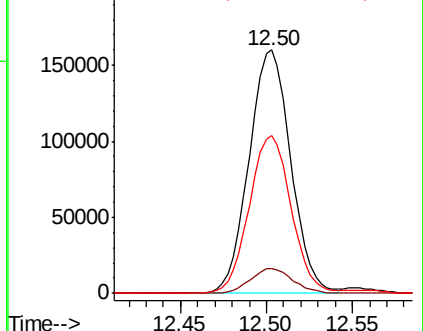
85 65.0 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 63.871 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056703.D

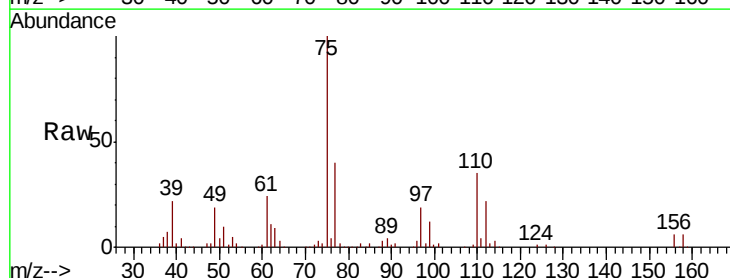
Acq: 15 Jul 2019 11:06

Tgt Ion: 75 Resp: 338470

Ion Ratio Lower Upper

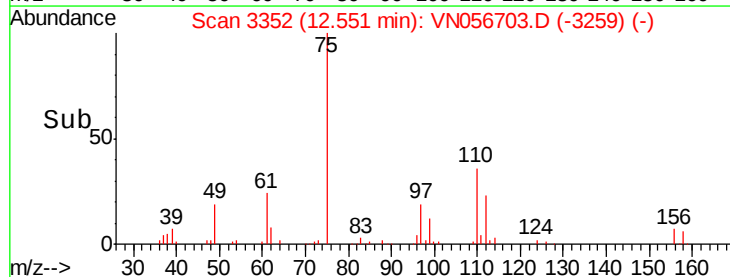
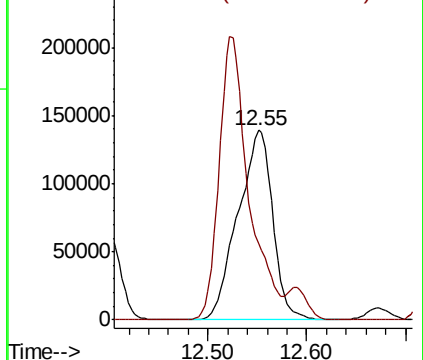
75 100

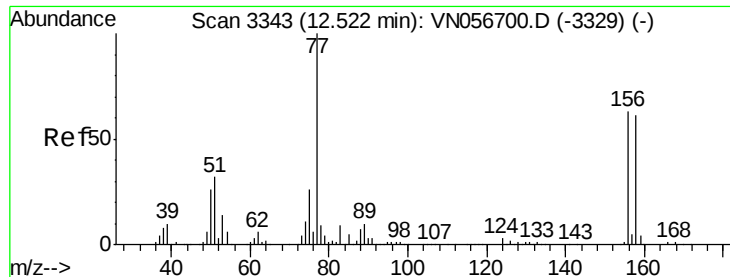
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.894 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

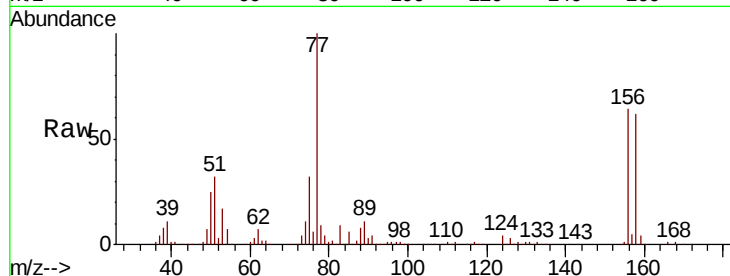
Tot Ion:156 Resp: 229406

Ion Ratio Lower Upper

156 100

77 189.8 97.2 291.6

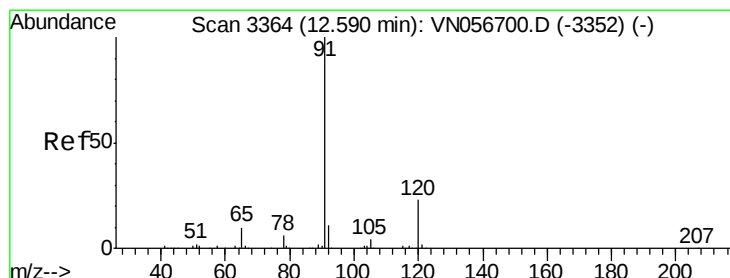
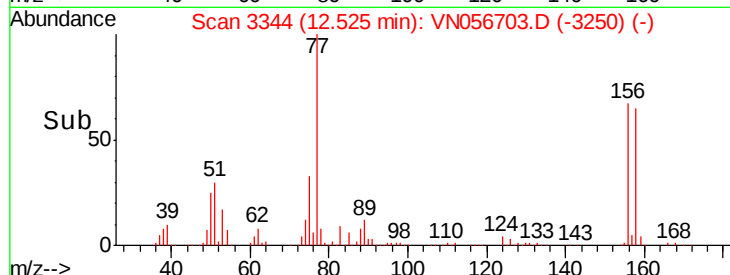
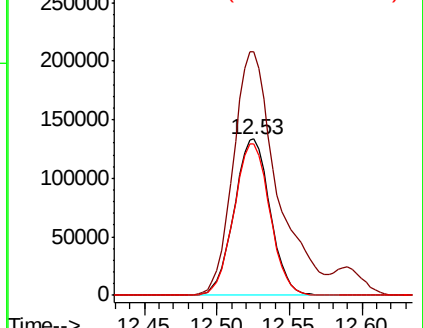
158 97.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.989 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056703.D

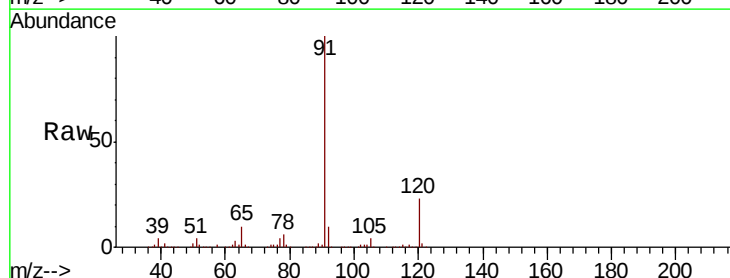
Acq: 15 Jul 2019 11:06

Tgt Ion: 91 Resp: 997452

Ion Ratio Lower Upper

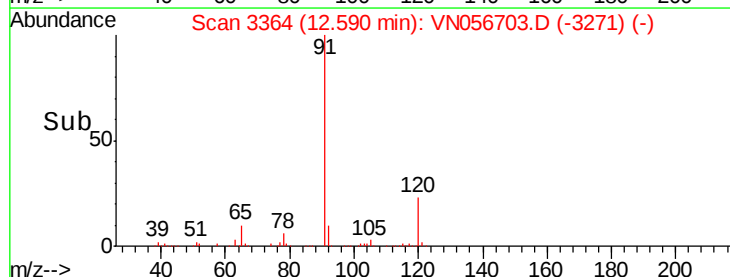
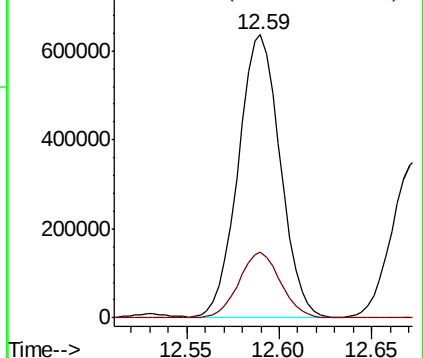
91 100

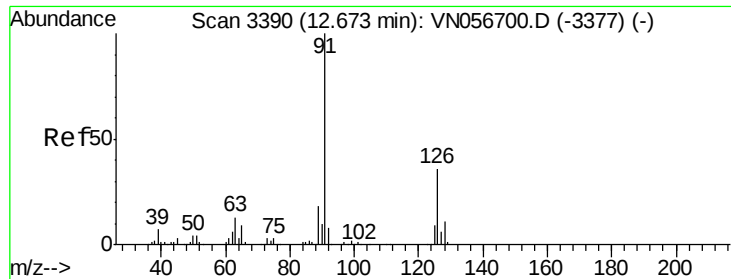
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.050 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

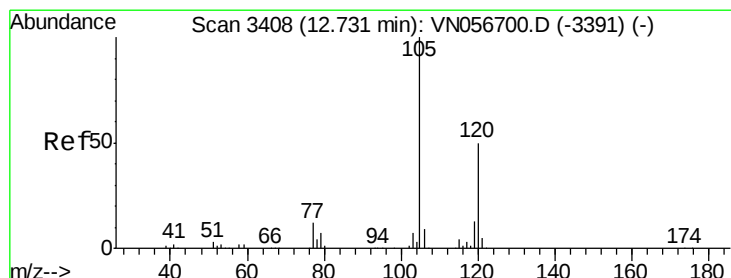
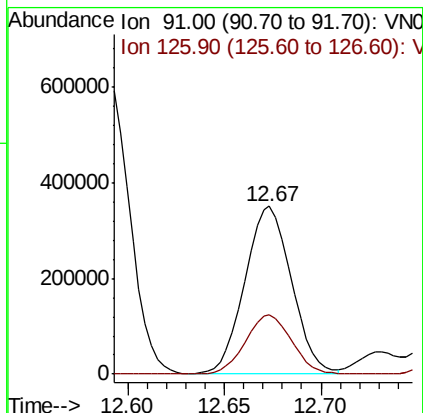
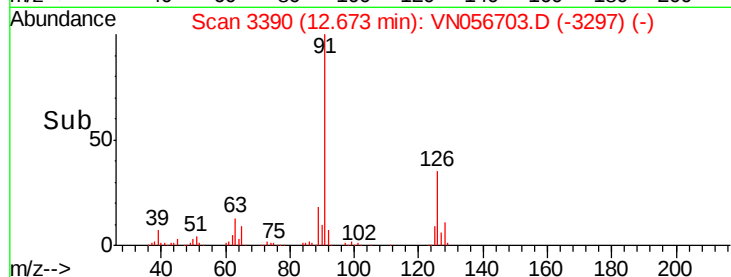
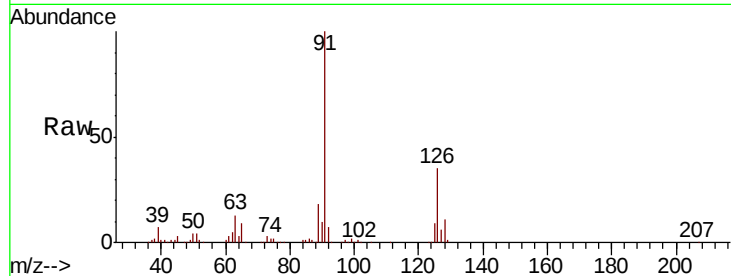
ICVVN071519

Tot Ion: 91 Resp: 588246

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 45.208 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056703.D

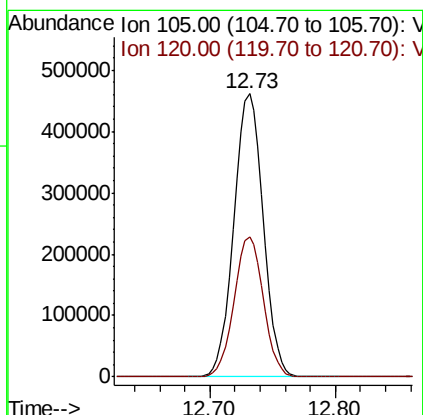
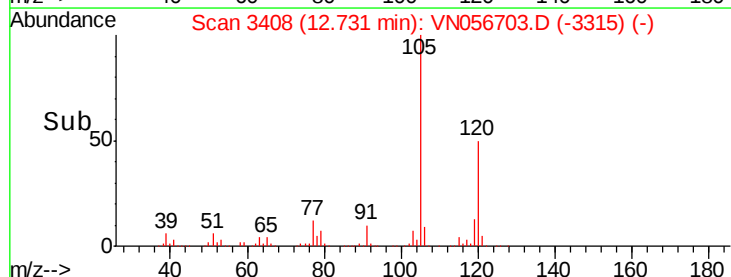
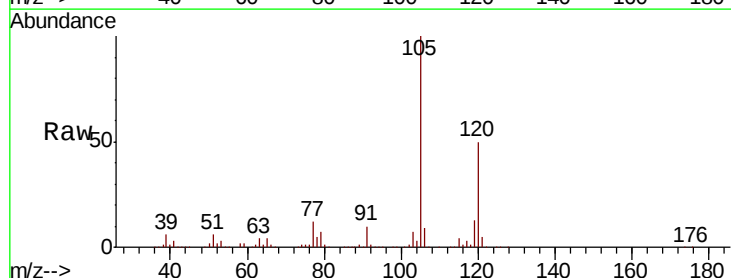
Acq: 15 Jul 2019 11:06

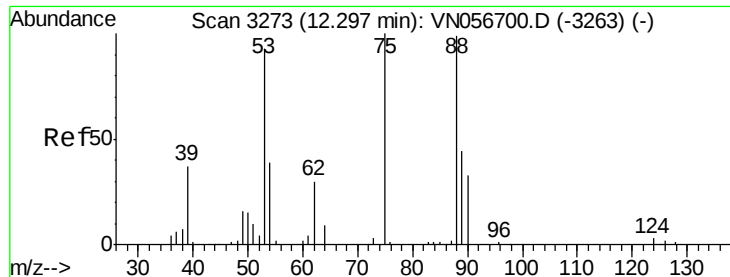
Tgt Ion: 105 Resp: 748538

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.783 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

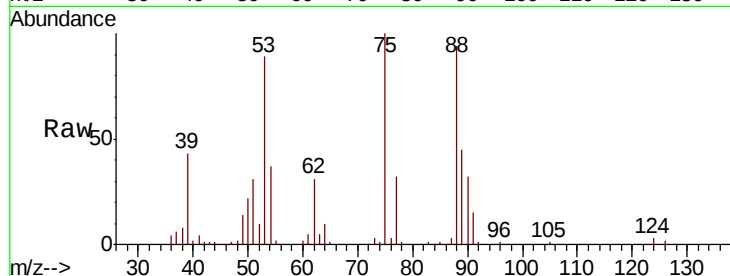
Tot Ion: 75 Resp: 83708

Ion Ratio Lower Upper

75 100

53 89.7 73.7 110.5

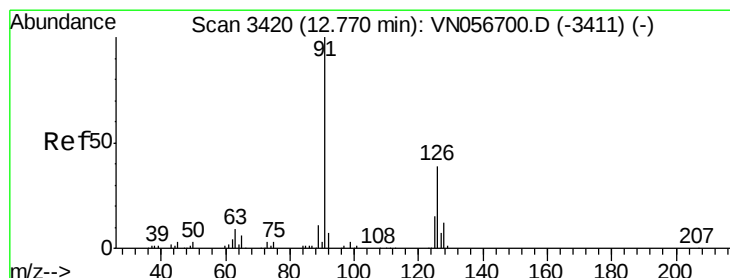
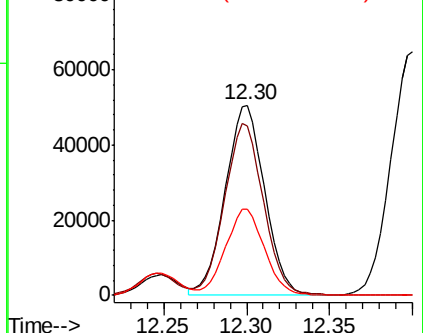
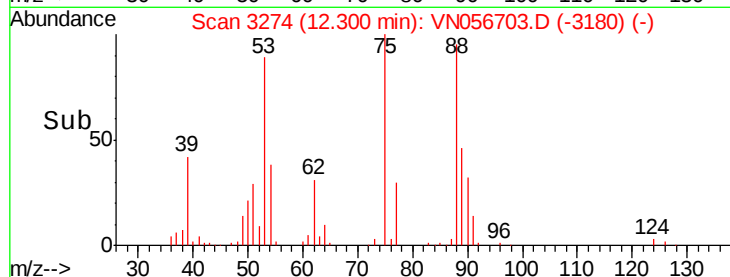
89 44.3 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.785 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056703.D

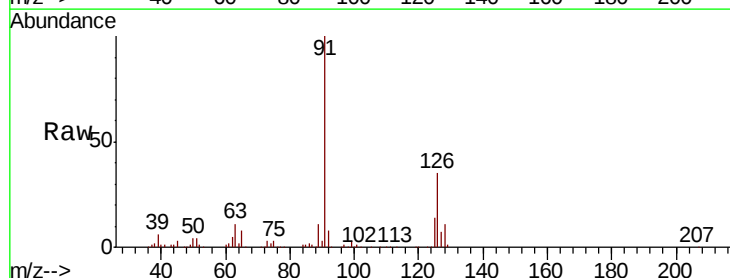
Acq: 15 Jul 2019 11:06

Tgt Ion: 91 Resp: 595475

Ion Ratio Lower Upper

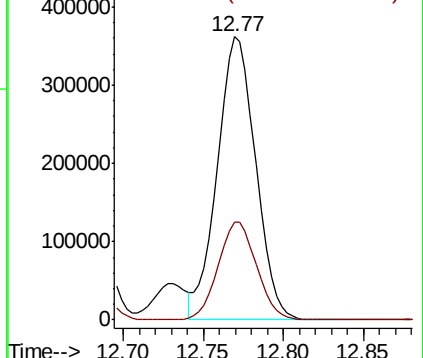
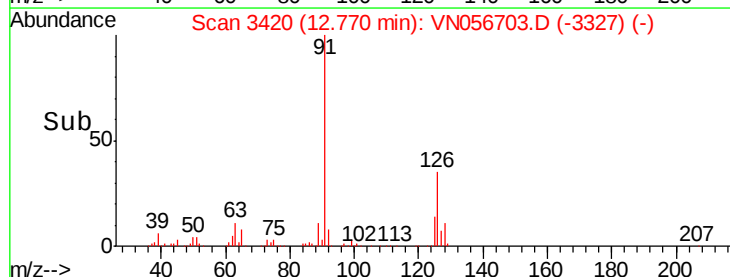
91 100

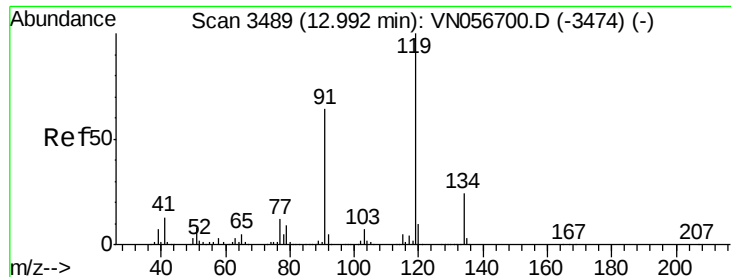
126 34.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

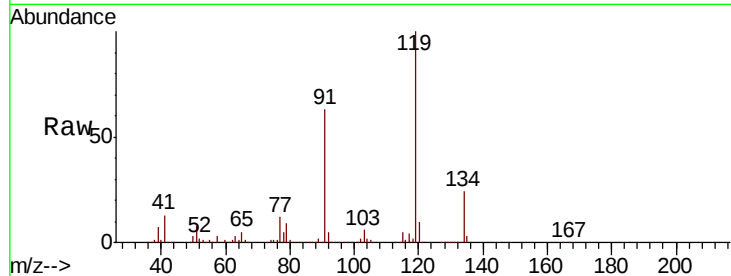




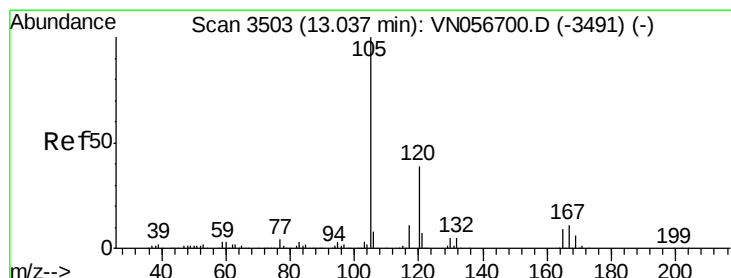
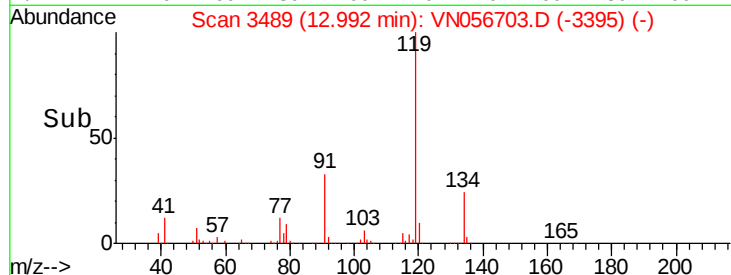
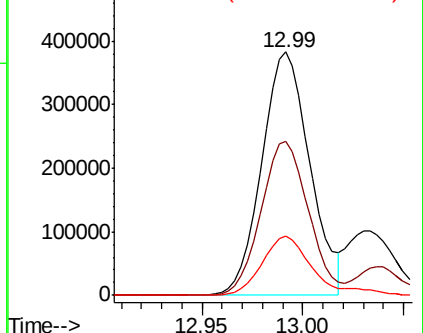
#83
tert-Butylbenzene
Concen: 49.235 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion:119 Resp: 635784
Ion Ratio Lower Upper
119 100
91 62.6 31.8 95.4
134 25.7 13.0 38.9

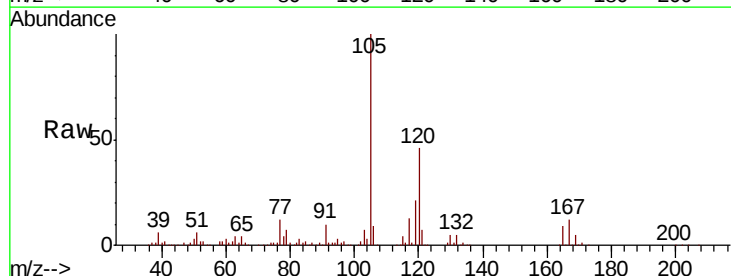


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

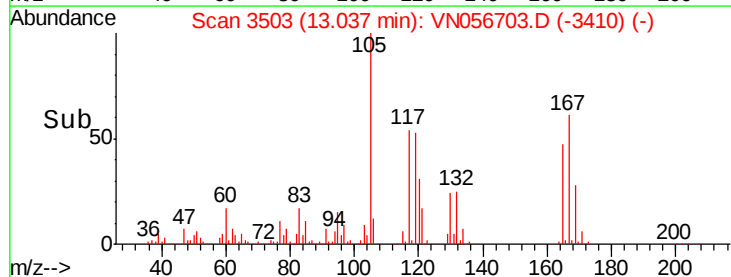
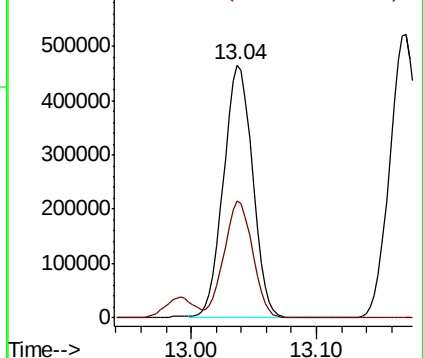


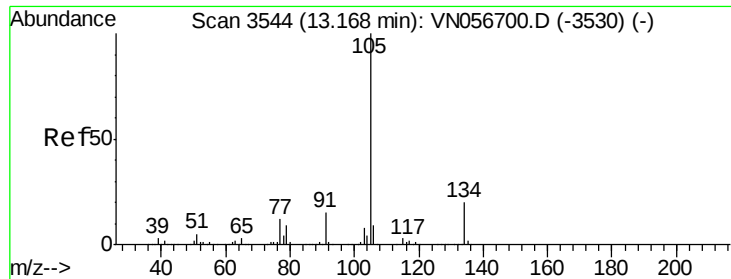
#84
1,2,4-Trimethylbenzene
Concen: 46.329 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:105 Resp: 749411
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.984 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

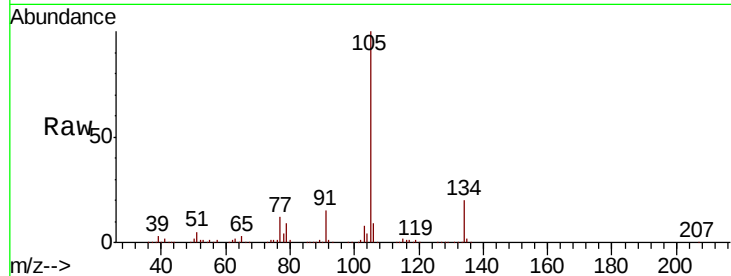
ICVVN071519

Tot Ion:105 Resp: 846035

Ion Ratio Lower Upper

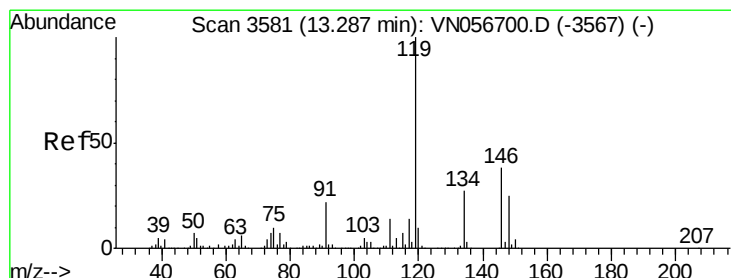
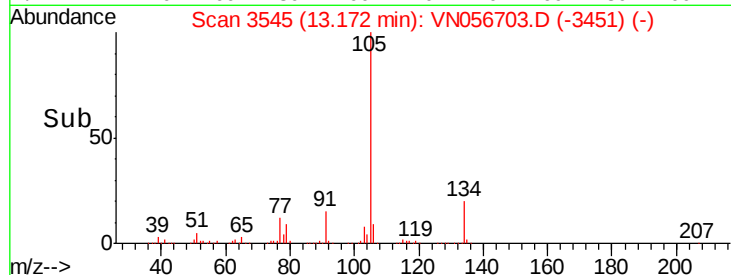
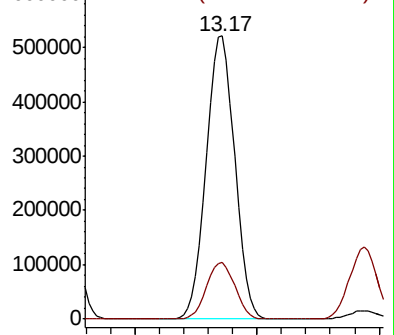
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.074 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

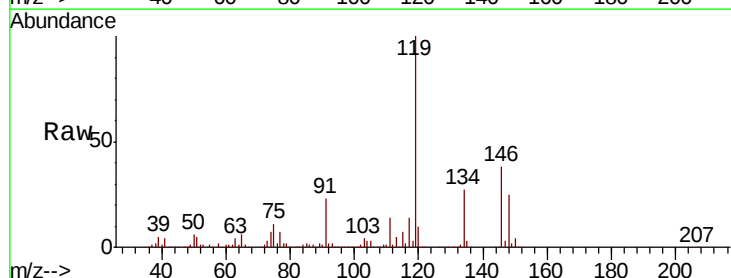
Tgt Ion:119 Resp: 784598

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

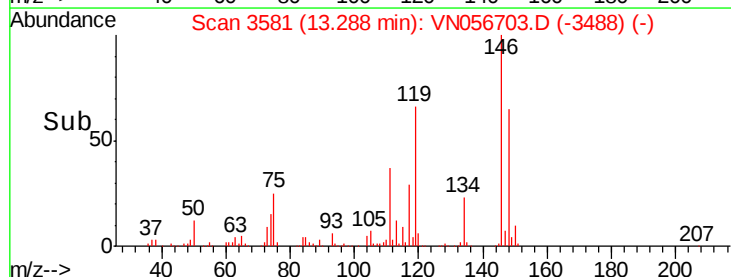
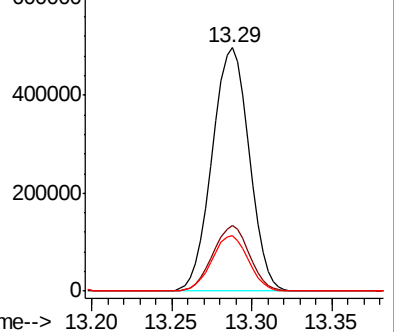
91 22.3 11.2 33.5

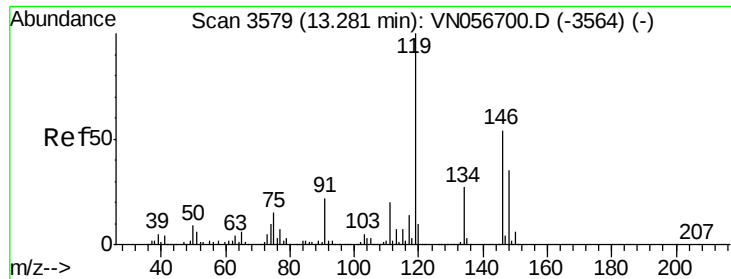


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

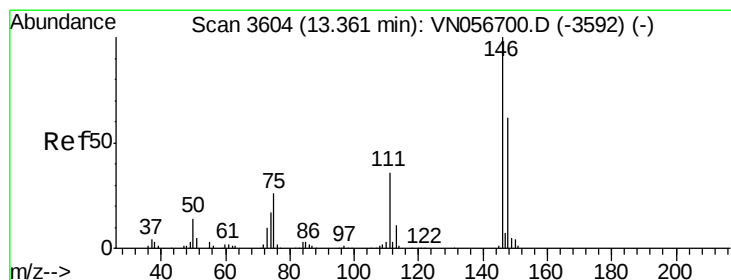
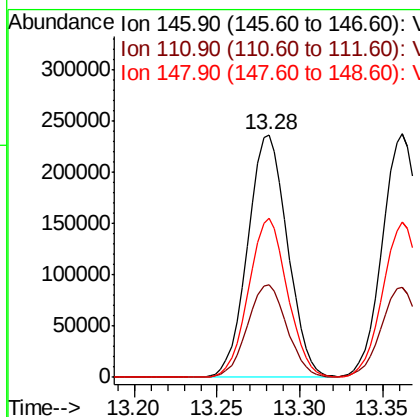
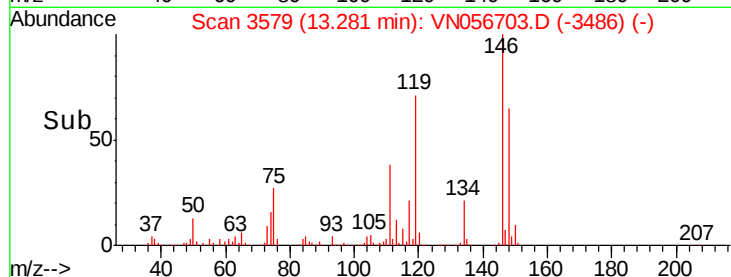
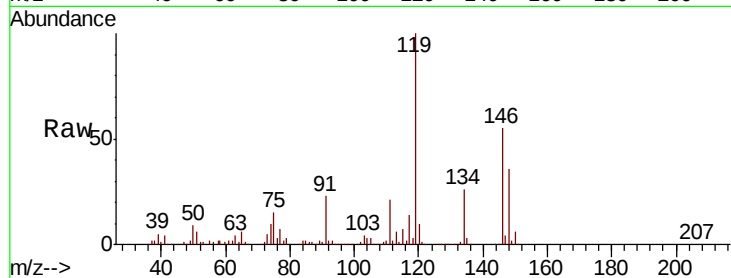




#87
 1,3-Dichlorobenzene
 Concen: 47.080 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

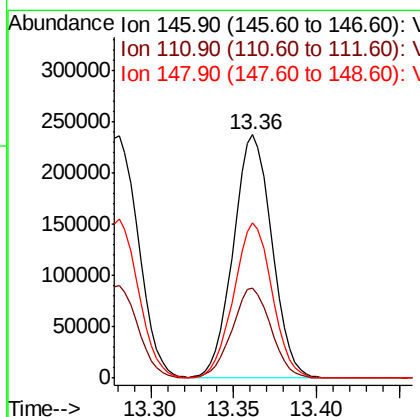
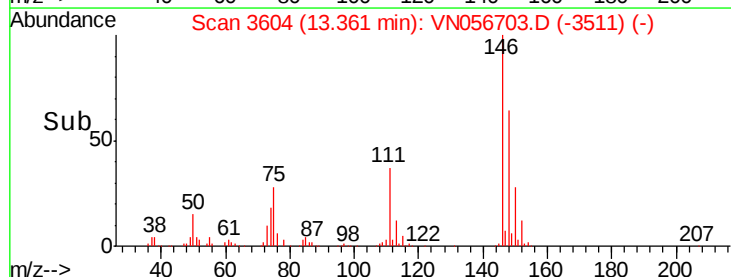
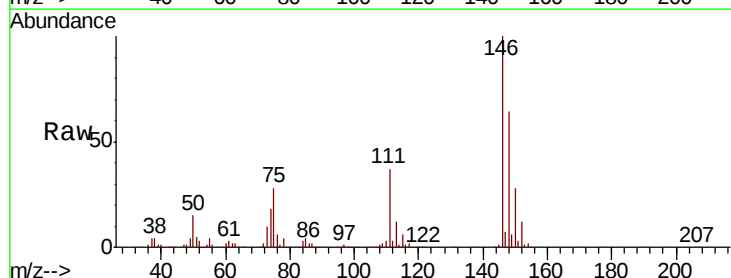
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

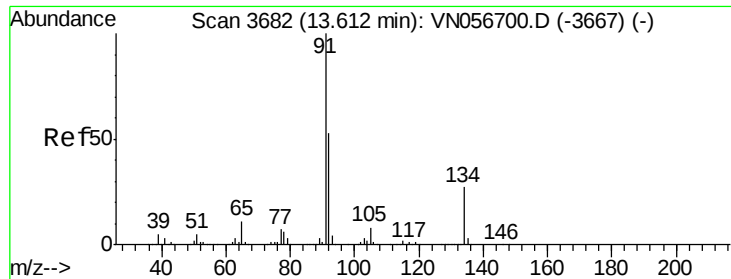
Tot Ion:146 Resp: 394262
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 47.310 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion:146 Resp: 385377
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 63.5 31.9 95.7





#89

n-Butylbenzene

Concen: 49.961 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071519

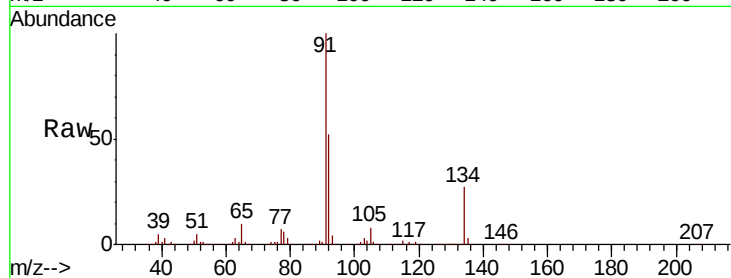
Tot Ion: 91 Resp: 670755

Ion Ratio Lower Upper

91 100

92 52.2 26.0 78.0

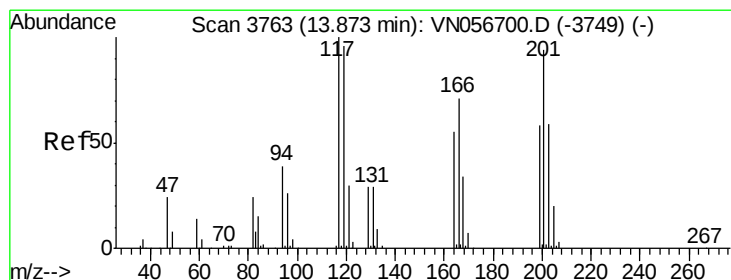
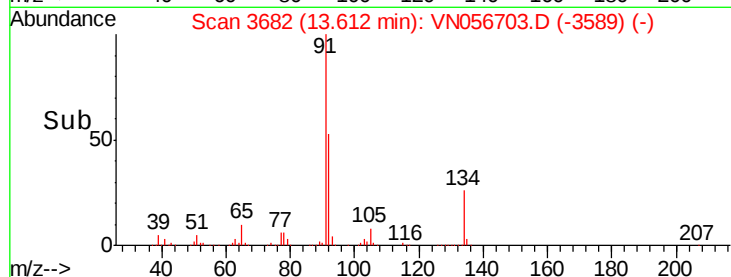
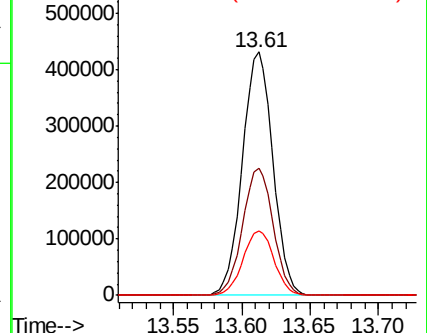
134 26.8 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056703.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN056703.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN056703.D (-3589) (-)



#90

Hexachloroethane

Concen: 46.114 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056703.D

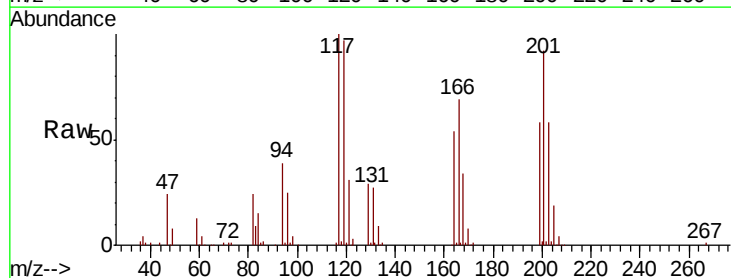
Acq: 15 Jul 2019 11:06

Tgt Ion: 117 Resp: 124291

Ion Ratio Lower Upper

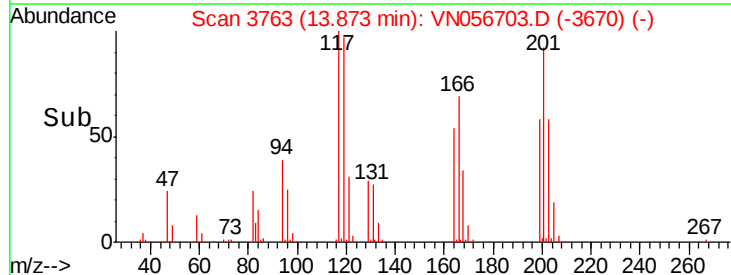
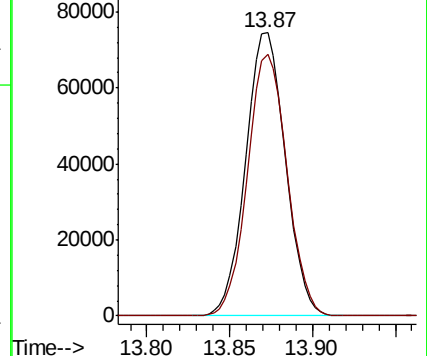
117 100

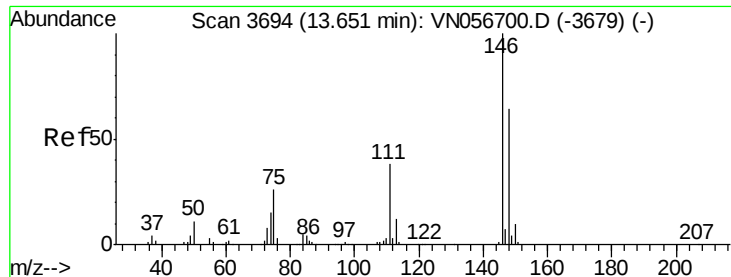
201 92.0 46.5 139.5



Abundance Ion 116.80 (116.50 to 117.50): VN056703.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN056703.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 45.340 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

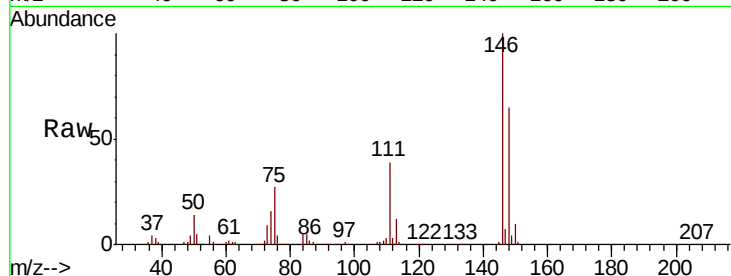
Tot Ion:146 Resp: 388324

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.1

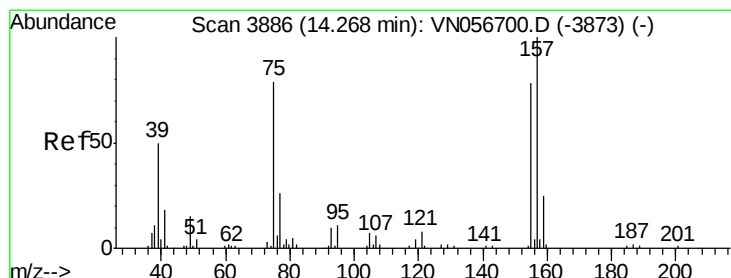
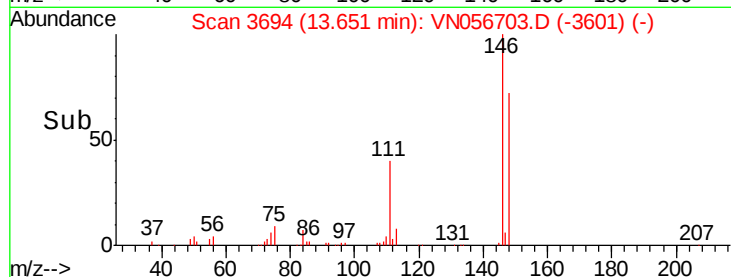
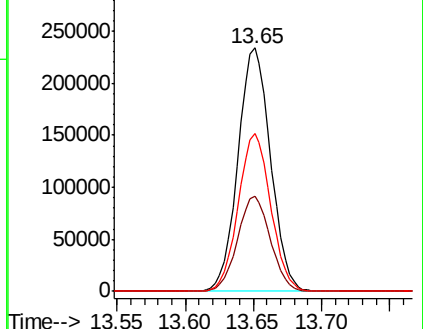
148 64.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.615 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

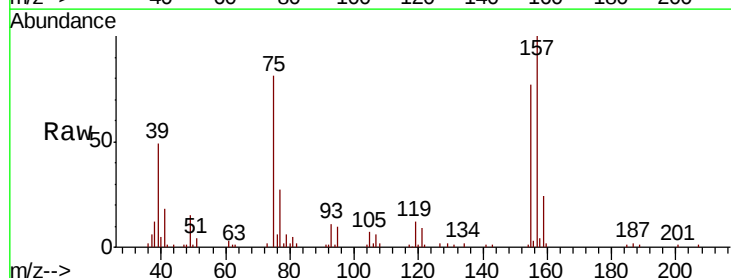
Tgt Ion: 75 Resp: 48833

Ion Ratio Lower Upper

75 100

155 97.3 49.3 147.9

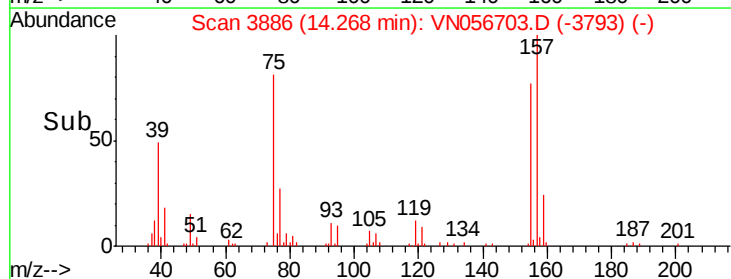
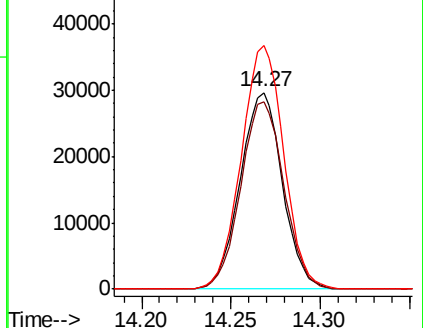
157 124.9 62.4 187.1

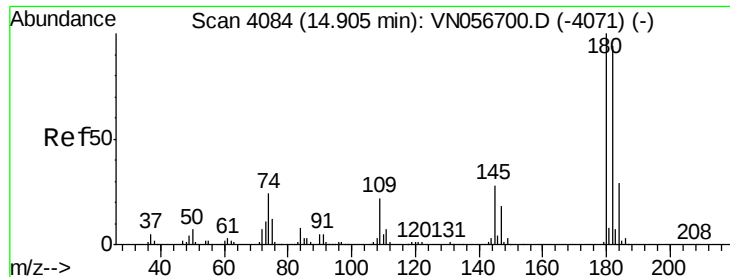


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

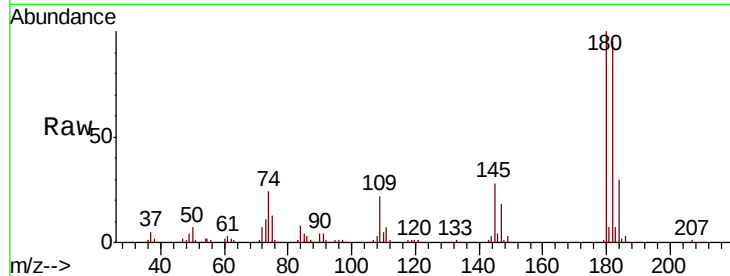




#93
1,2,4-Trichlorobenzene
Concen: 50.119 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.2	141.6
145	28.0	14.2	42.8

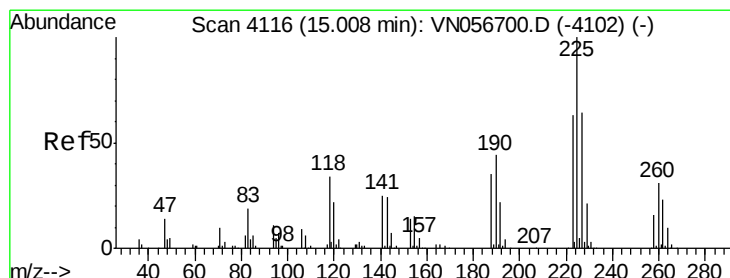
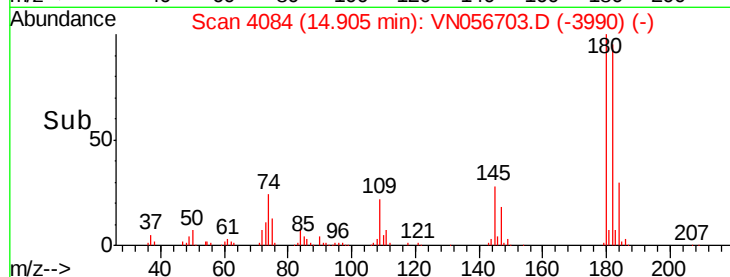
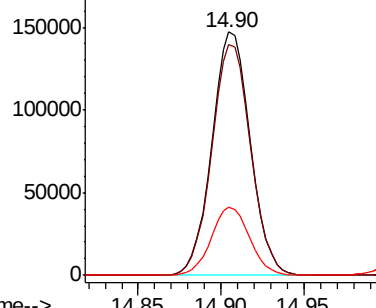


Abundance

Ion 179.80 (179.50 to 180.50): V

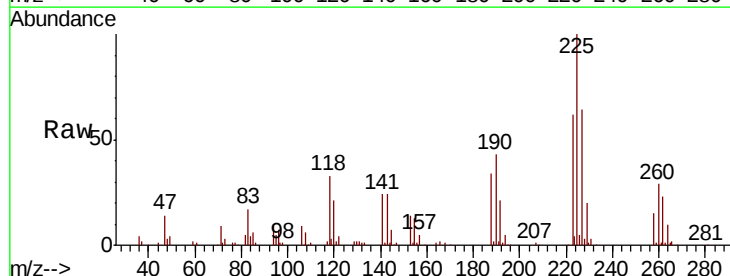
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 51.869 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	63.9	32.0	96.2

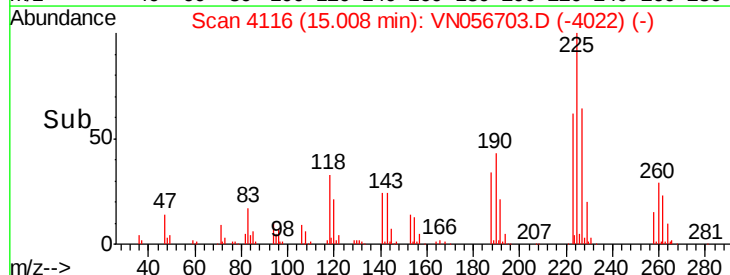
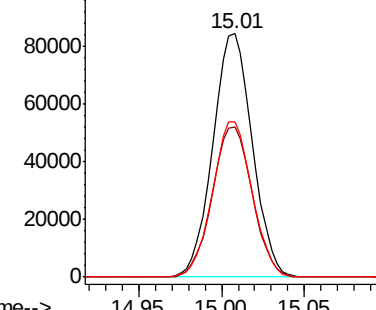


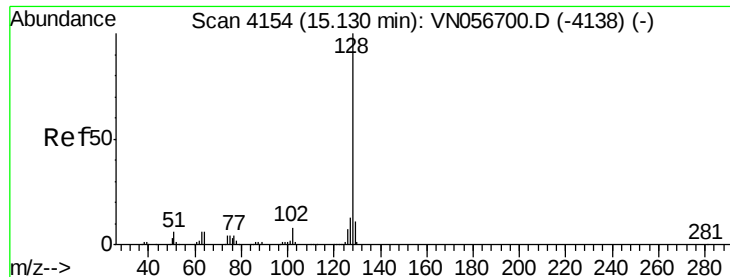
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.410 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

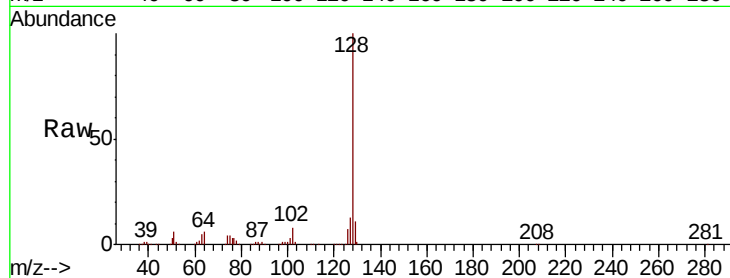
Tot Ion:128 Resp: 626373

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

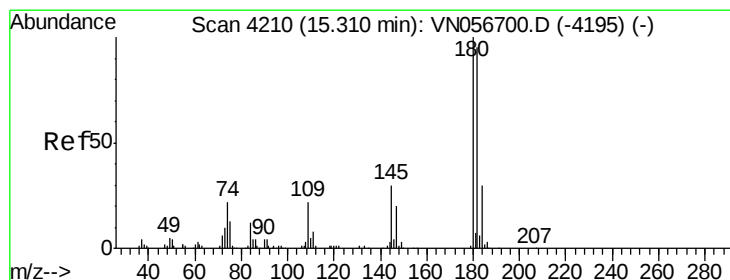
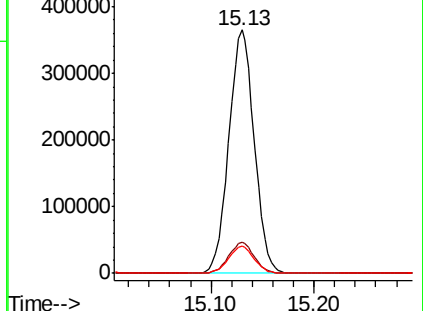
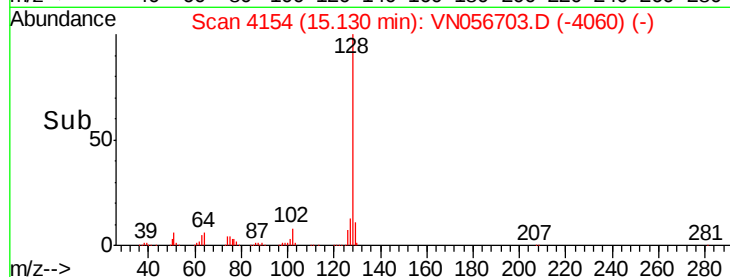
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.549 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

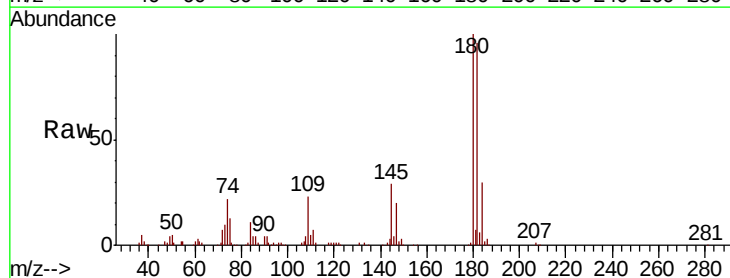
Tgt Ion:180 Resp: 237657

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.3

145 29.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

