

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056811.D
 Acq On : 18 Jul 2019 14:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 19 05:35:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	329771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	489315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197564	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	179294	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.59	113	157366	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.09	98	608413	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.40	95	209889	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	135727	43.832	ug/l	99
3) Chloromethane	2.06	50	178486	42.873	ug/l	99
4) Vinyl Chloride	2.18	62	176662	44.066	ug/l	99
5) Bromomethane	2.54	94	99624	42.257	ug/l	100
6) Chloroethane	2.69	64	101766	43.561	ug/l	97
7) Trichlorofluoromethane	3.00	101	235657	45.810	ug/l	99
8) Diethyl Ether	3.41	74	93766	46.752	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	147610	47.761	ug/l	99
10) Methyl Iodide	3.95	142	192879	46.658	ug/l	100
11) Tert butyl alcohol	4.79	59	142946	235.433	ug/l	99
12) 1,1-Dichloroethene	3.73	96	142034	45.817	ug/l	97
13) Acrolein	3.60	56	32458	160.507	ug/l	97
14) Allyl chloride	4.32	41	248683	46.386	ug/l	99
15) Acrylonitrile	4.98	53	418814	238.859	ug/l	99
16) Acetone	3.81	43	396526	235.892	ug/l	100
17) Carbon Disulfide	4.05	76	351968	42.965	ug/l	98
18) Methyl Acetate	4.32	43	176656	46.729	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	463207	46.896	ug/l	98
20) Methylene Chloride	4.55	84	170079	46.300	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	150836	46.030	ug/l	95
22) Diisopropyl ether	5.95	45	514302	48.601	ug/l	99
23) Vinyl Acetate	5.89	43	2117579	246.944	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287249	46.820	ug/l	99
25) 2-Butanone	6.83	43	578511	235.399	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215793	48.781	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	180018	47.742	ug/l	99
28) Bromochloromethane	7.19	49	135981	47.140	ug/l	100
29) Tetrahydrofuran	7.21	42	373430	232.971	ug/l	99
30) Chloroform	7.37	83	284304	46.308	ug/l	98
31) Cyclohexane	7.65	56	268980	46.127	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	233812	48.155	ug/l	100
36) 1,1-Dichloropropene	7.79	75	216656	47.849	ug/l	99
37) Ethyl Acetate	6.93	43	219161	49.110	ug/l	98
38) Carbon Tetrachloride	7.77	117	204169	48.082	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	274147	49.034	ug/l	96
40) Benzene	8.04	78	663990	47.859	ug/l	98
41) Methacrylonitrile	7.21	41	321514	164.014	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	213524	48.697	ug/l	99
43) Isopropyl Acetate	8.16	43	348923	49.734	ug/l	100
44) Trichloroethene	8.83	130	181994	48.306	ug/l	97
45) 1,2-Dichloropropane	9.12	63	181690	49.285	ug/l	97
46) Dibromomethane	9.21	93	115515	50.564	ug/l	98
47) Bromodichloromethane	9.40	83	216792	49.938	ug/l	97
48) Methyl methacrylate	9.20	41	175735	51.795	ug/l	97
49) 1,4-Dioxane	9.20	88	72109	1035.767	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111629	244.637	ug/l	99
52) Toluene	10.15	92	415491	50.427	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232228	51.273	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	268556	51.096	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	169136	48.942	ug/l	98
56) Ethyl methacrylate	10.43	69	258227	51.931	ug/l	100
57) 1,3-Dichloropropane	10.71	76	281457	49.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	595267	248.947	ug/l	100
59) 2-Hexanone	10.75	43	822244	252.185	ug/l	99
60) Dibromochloromethane	10.90	129	173520	51.054	ug/l	98
61) 1,2-Dibromoethane	11.00	107	171708	49.996	ug/l	99
64) Tetrachloroethene	10.63	164	182413	48.263	ug/l	98
65) Chlorobenzene	11.43	112	447411	49.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	163319	49.518	ug/l	98
67) Ethyl Benzene	11.51	91	784838	49.854	ug/l	100
68) m/p-Xylenes	11.62	106	593991	100.960	ug/l	99
69) o-Xylene	11.95	106	284862	49.249	ug/l	98
70) Styrene	11.96	104	486317	52.006	ug/l	100
71) Bromoform	12.13	173	127263	50.712	ug/l #	98
73) Isopropylbenzene	12.25	105	769507	48.306	ug/l	100
74) N-amyl acetate	12.07	43	286459	48.285	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	237572	51.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	296074	68.519	ug/l #	100
77) Bromobenzene	12.52	156	199934	47.985	ug/l	98
78) n-propylbenzene	12.59	91	860081	48.634	ug/l	100
79) 2-Chlorotoluene	12.67	91	513857	52.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	654046	48.444	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72085	51.521	ug/l	99
82) 4-Chlorotoluene	12.77	91	512064	49.340	ug/l	99
83) tert-Butylbenzene	12.99	119	552451	52.565	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	647140	49.064	ug/l	100
85) sec-Butylbenzene	13.17	105	737193	49.139	ug/l	100
86) p-Isopropyltoluene	13.29	119	676422	49.772	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334404	48.973	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	326499	49.157	ug/l	100
89) n-Butylbenzene	13.61	91	561211	51.265	ug/l	99
90) Hexachloroethane	13.87	117	108332	49.292	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	333356	47.733	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40470	47.378	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

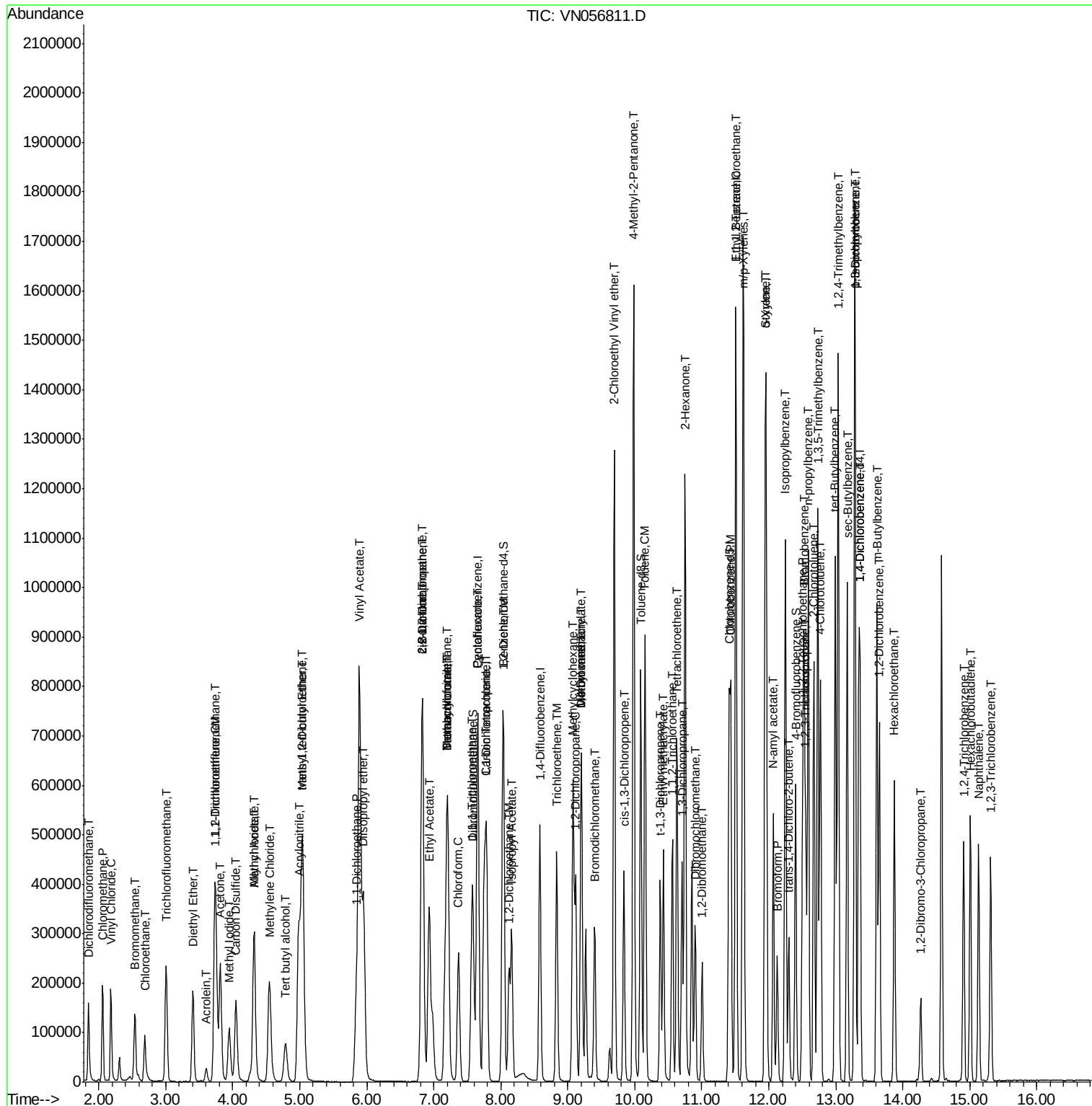
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171996	44.980	ug/l	100
94) Hexachlorobutadiene	15.01	225	119164	54.425	ug/l	100
95) Naphthalene	15.13	128	421449	40.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	171147	45.033	ug/l	98

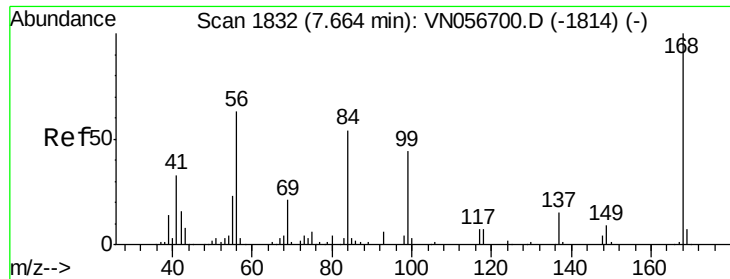
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

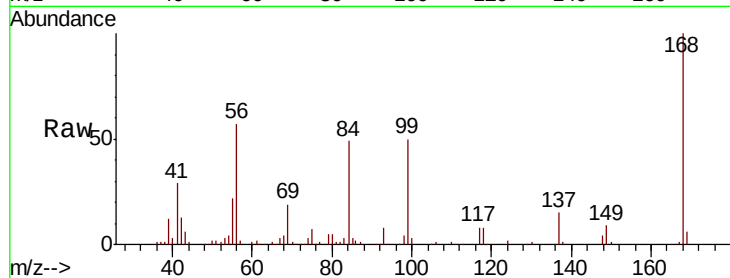
VSTDCCC050

Tot Ion:168 Resp: 329771

Ion Ratio Lower Upper

168 100

99 50.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

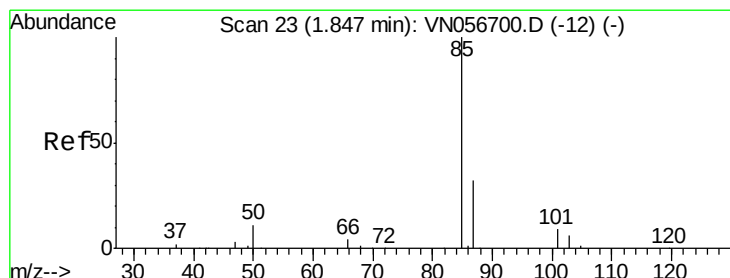
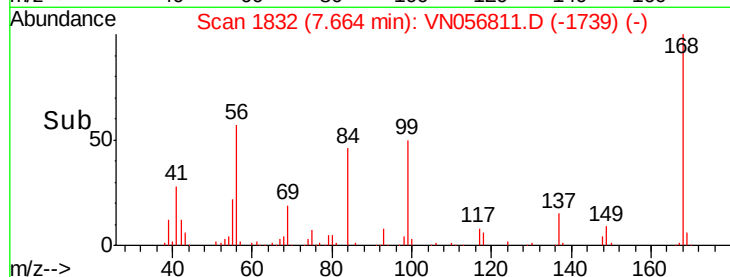
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.832 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056811.D

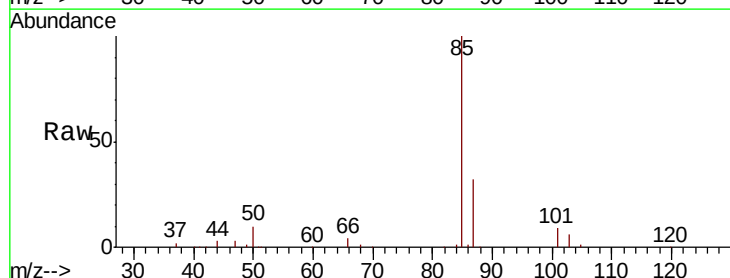
Acq: 18 Jul 2019 14:23

Tgt Ion: 85 Resp: 135727

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

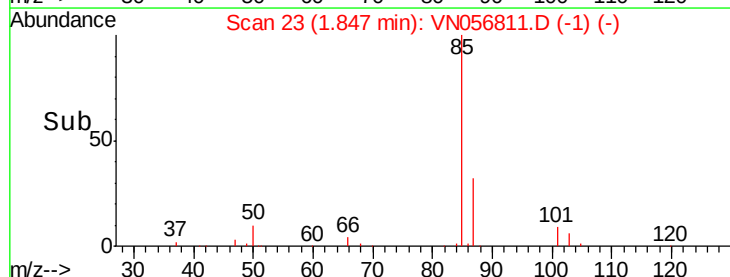
40000

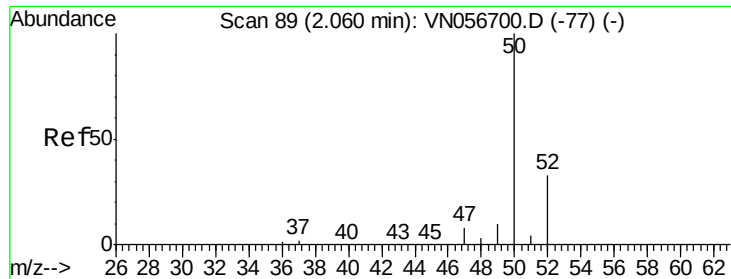
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 42.873 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

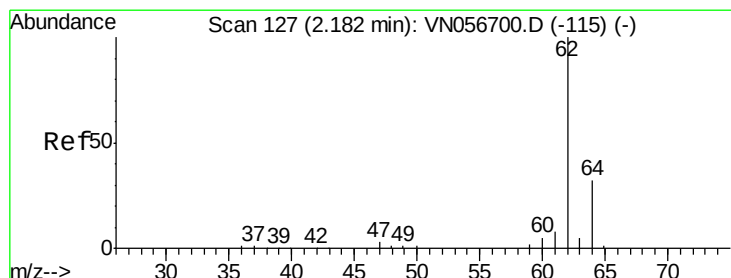
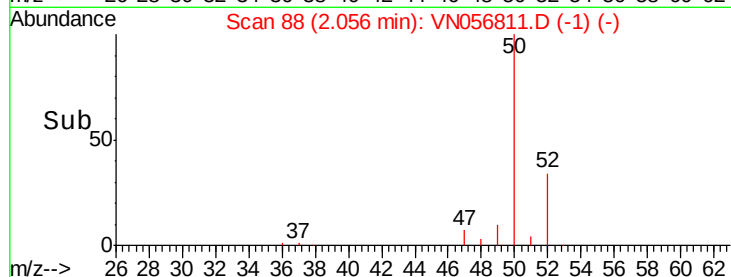
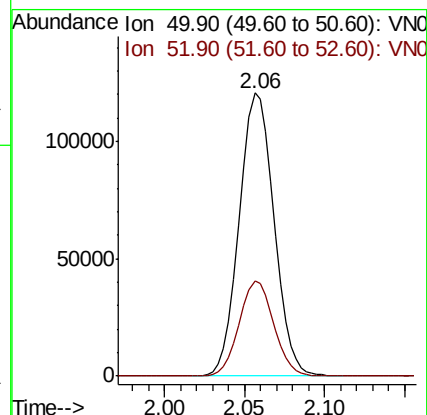
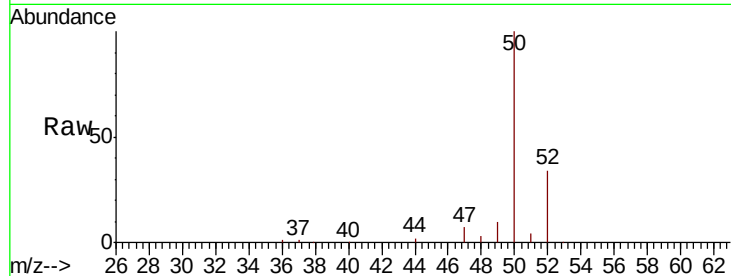
VSTDCCC050

Tot Ion: 50 Resp: 178486

Ion Ratio Lower Upper

50 100

52 33.5 26.5 39.7



#4

Vinyl Chloride

Concen: 44.066 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056811.D

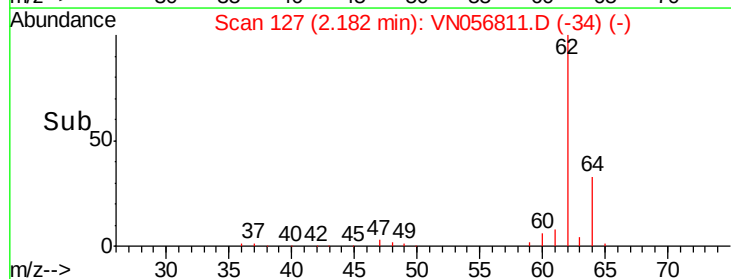
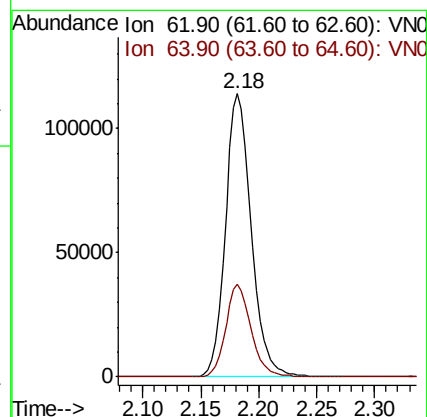
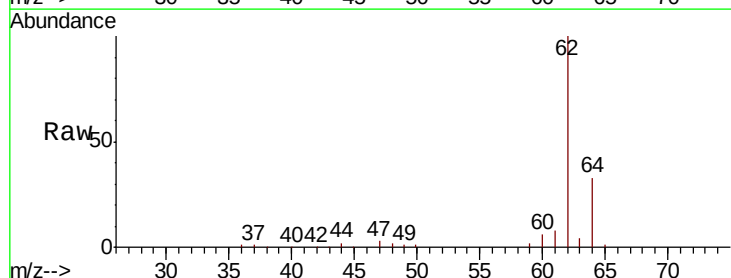
Acq: 18 Jul 2019 14:23

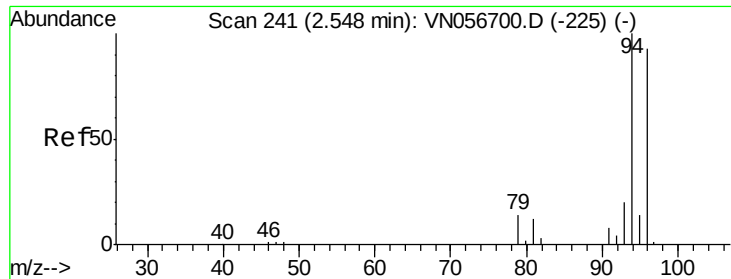
Tgt Ion: 62 Resp: 176662

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 42.257 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

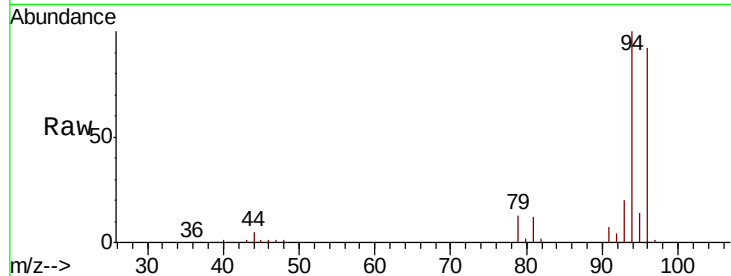
VSTDCCC050

Tot Ion: 94 Resp: 99624

Ion Ratio Lower Upper

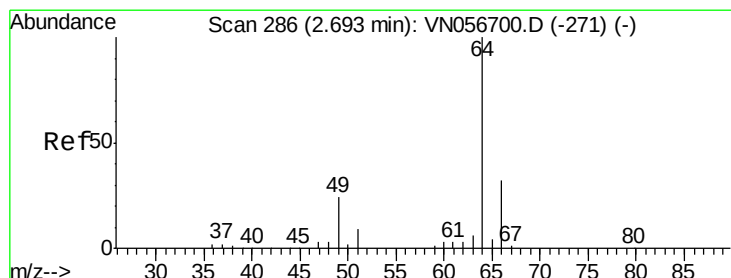
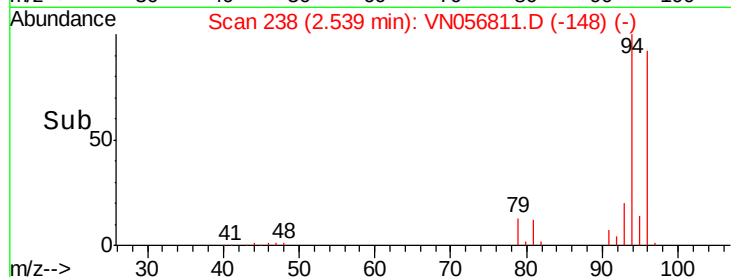
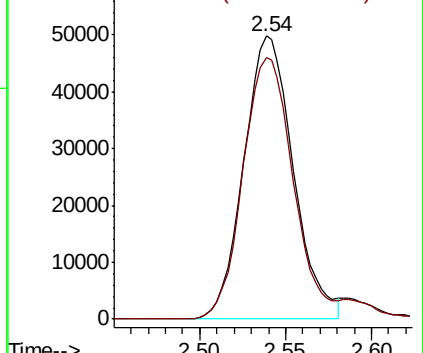
94 100

96 92.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.561 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN056811.D

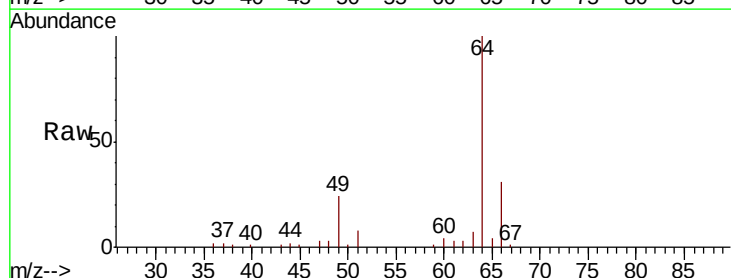
Acq: 18 Jul 2019 14:23

Tgt Ion: 64 Resp: 101766

Ion Ratio Lower Upper

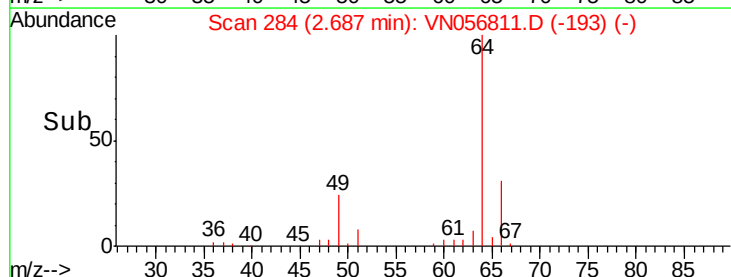
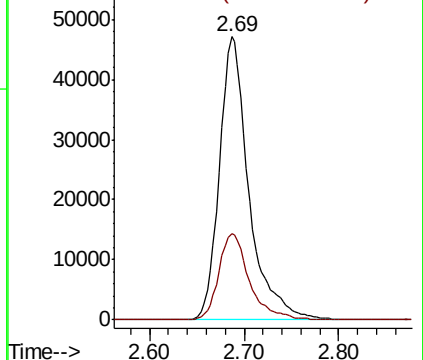
64 100

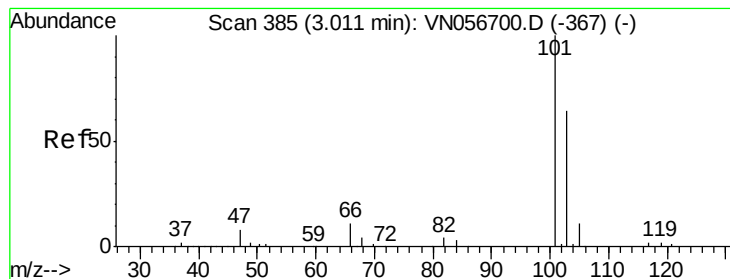
66 30.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



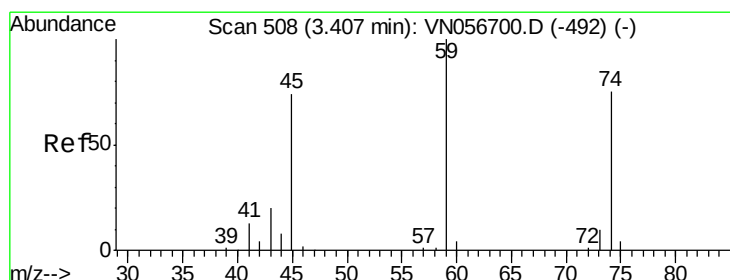
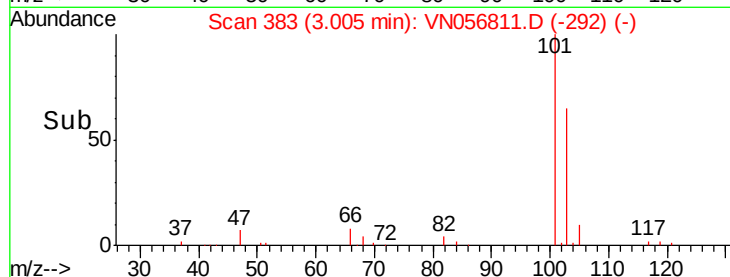
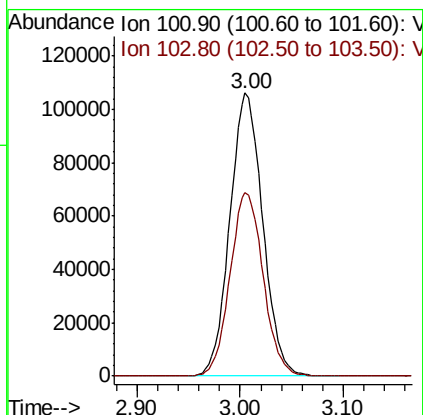
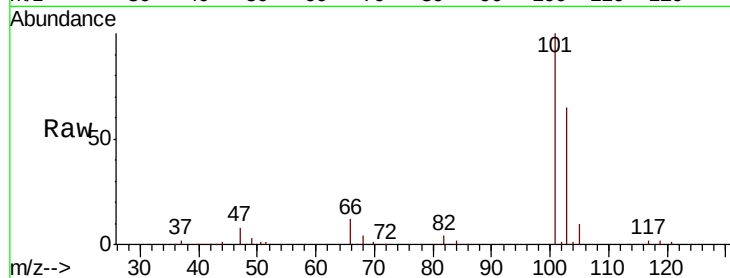


#7

Trichlorofluoromethane
Concen: 45.810 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

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VSTDCCC050

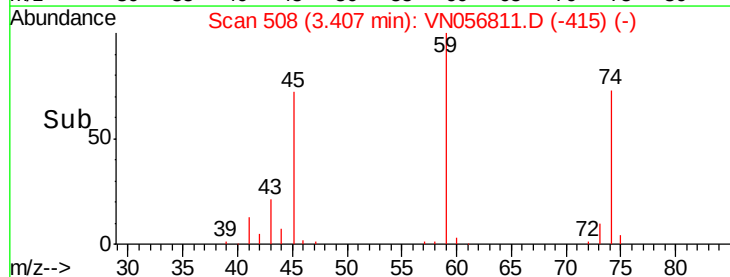
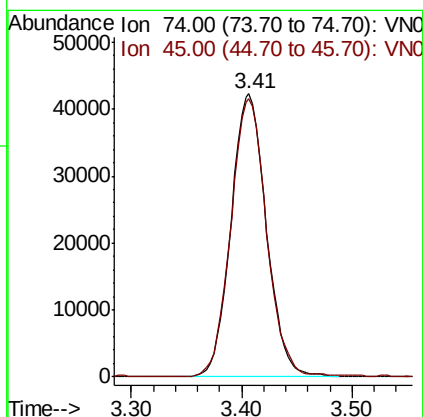
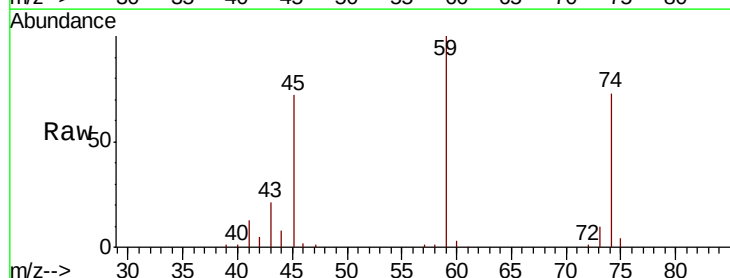
Tot Ion:101 Resp: 235657
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

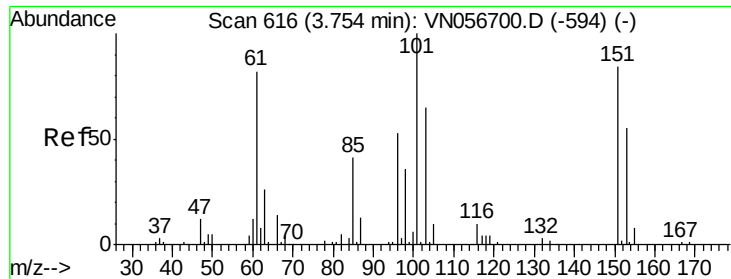


#8

Diethyl Ether
Concen: 46.752 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 74 Resp: 93766
Ion Ratio Lower Upper
74 100
45 99.0 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.761 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

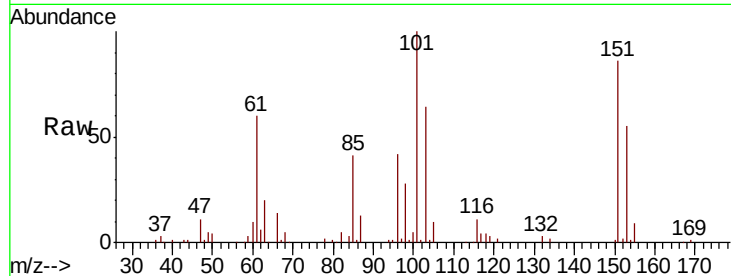
Tot Ion:101 Resp: 147610

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

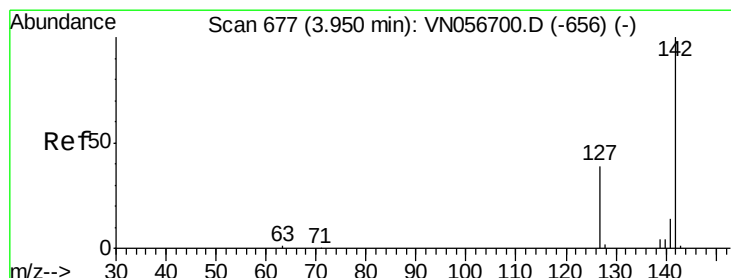
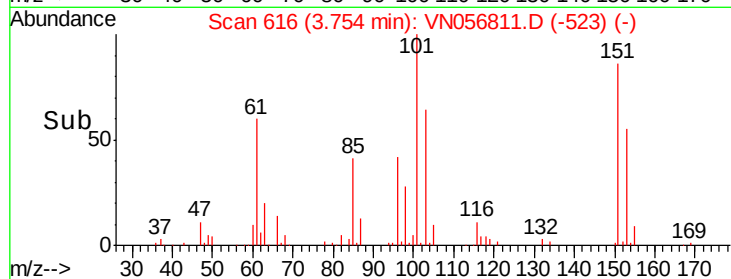
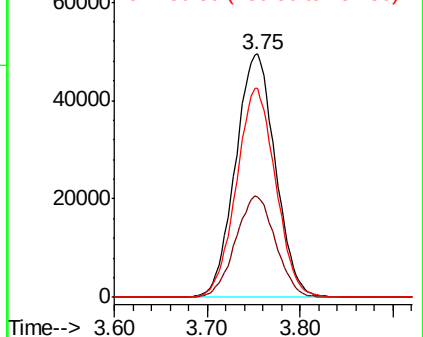
151 84.4 67.0 100.6



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: 46.658 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

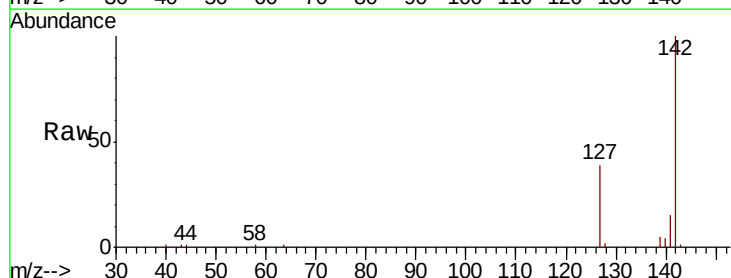
Tgt Ion:142 Resp: 192879

Ion Ratio Lower Upper

142 100

127 38.5 30.7 46.1

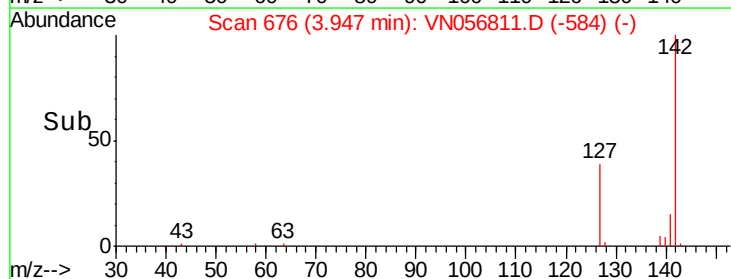
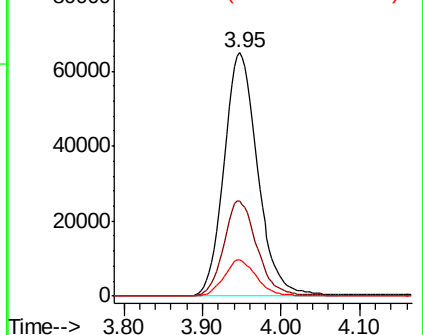
141 14.3 11.3 16.9

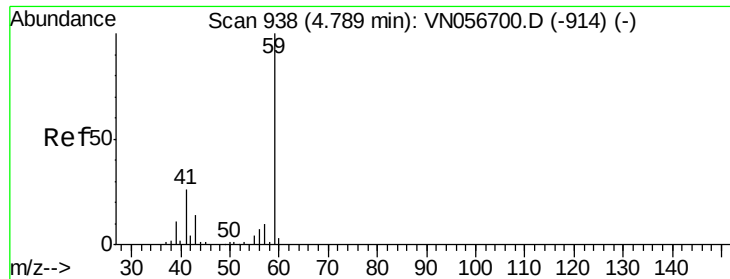


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



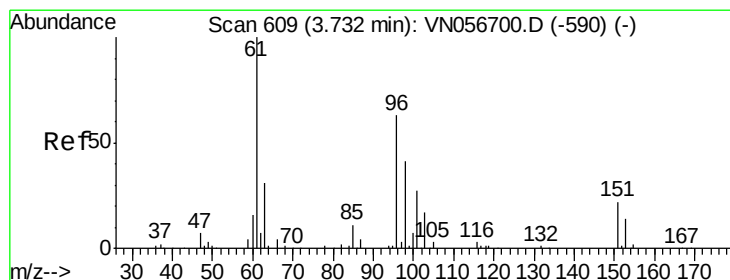
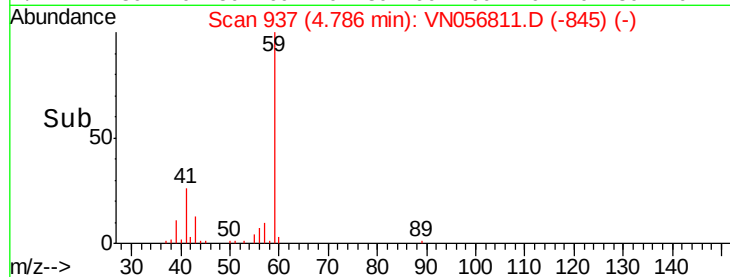
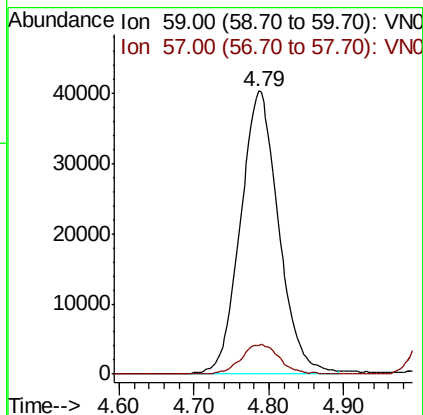
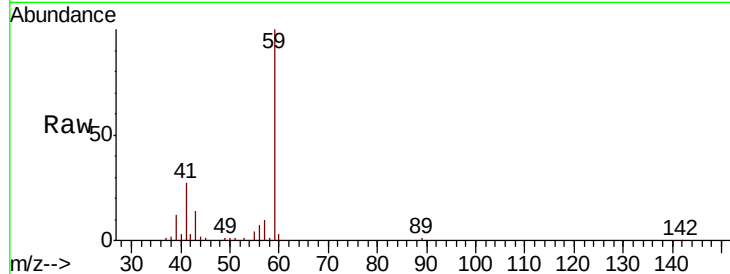


#11

Tert butyl alcohol
 Concen: 235.433 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

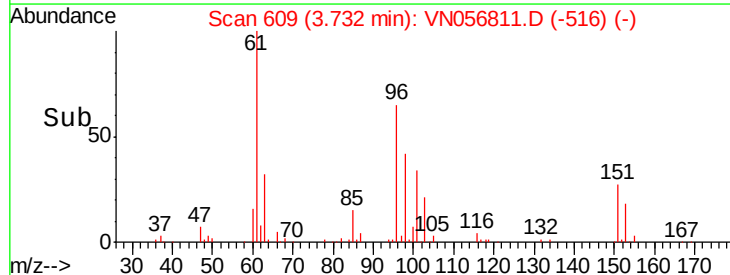
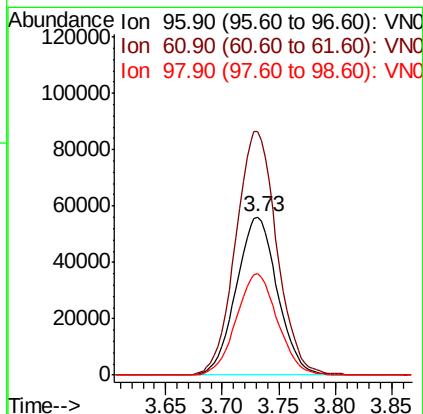
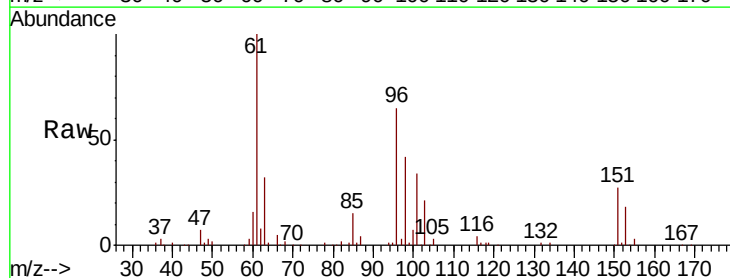
Tot Ion: 59 Resp: 142946
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

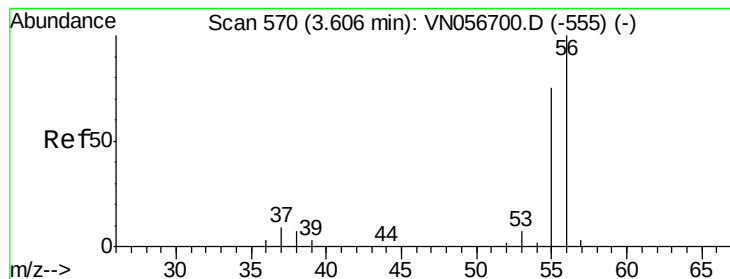


#12

1,1-Dichloroethene
 Concen: 45.817 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 96 Resp: 142034
 Ion Ratio Lower Upper
 96 100
 61 153.6 126.6 189.8
 98 64.0 51.4 77.2





#13

Acrolein

Concen: 160.507 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

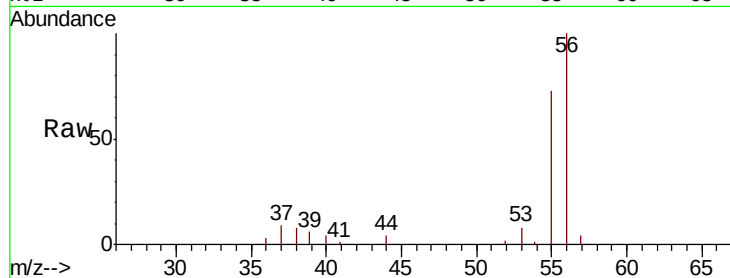
VSTDCCC050

Tot Ion: 56 Resp: 32458

Ion Ratio Lower Upper

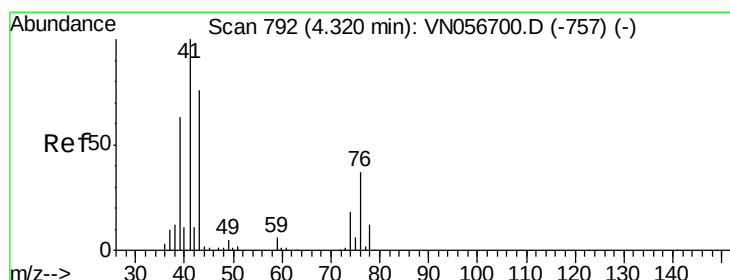
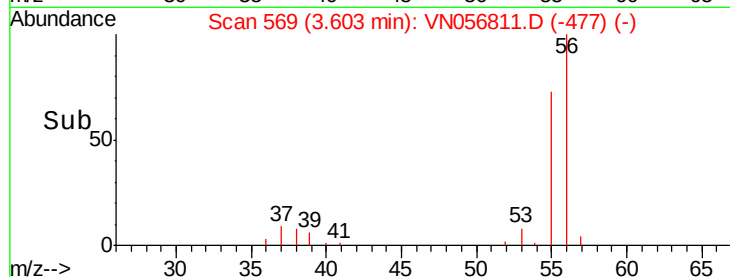
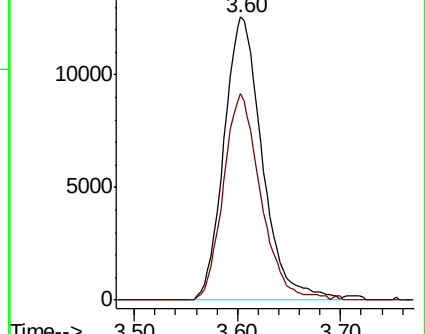
56 100

55 70.3 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: 46.386 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

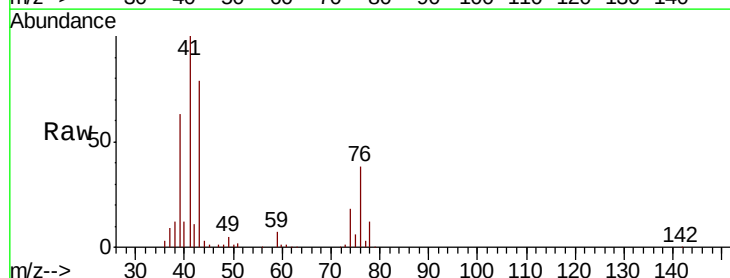
Tgt Ion: 41 Resp: 248683

Ion Ratio Lower Upper

41 100

39 59.2 46.9 70.3

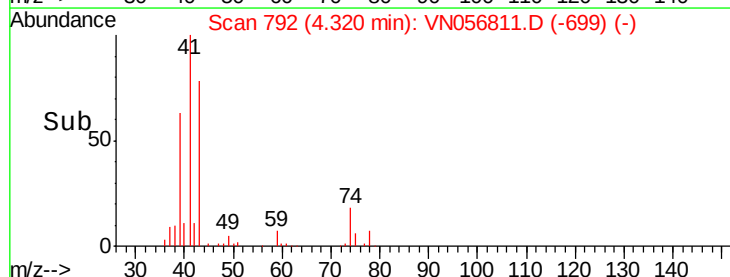
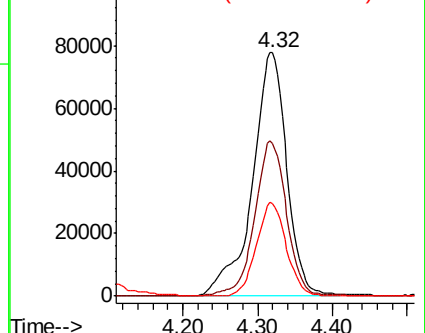
76 33.4 26.5 39.7

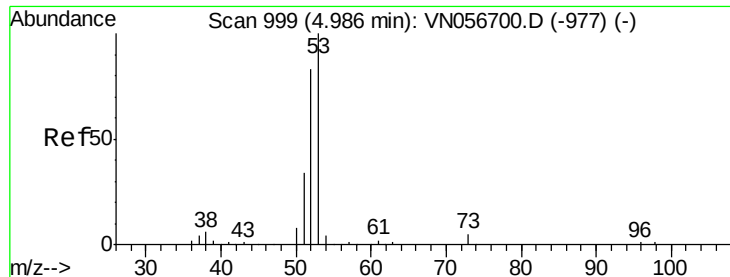


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 238.859 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

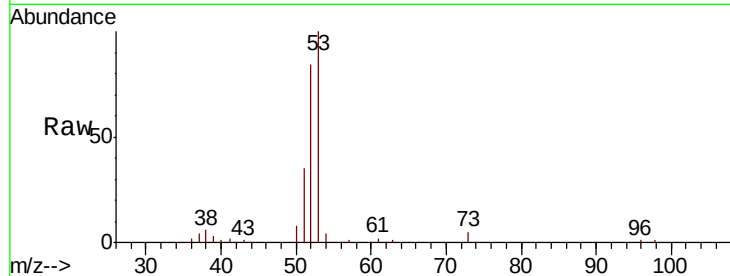
Tot Ion: 53 Resp: 418814

Ion Ratio Lower Upper

53 100

52 82.6 66.6 99.8

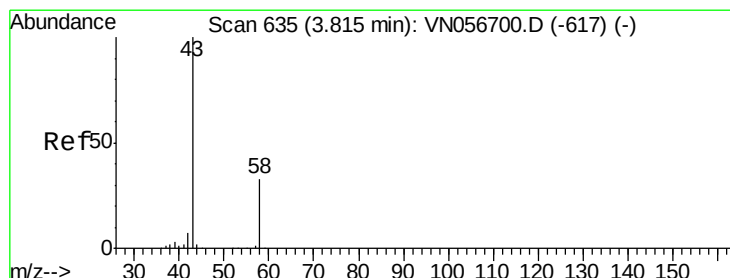
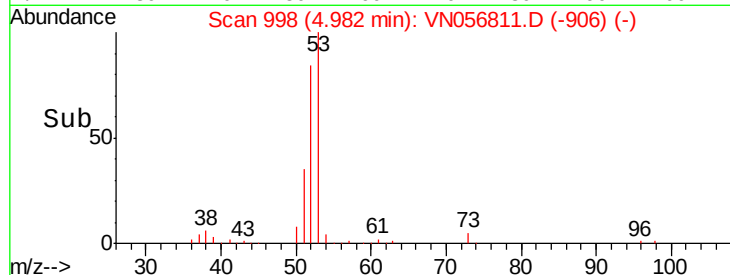
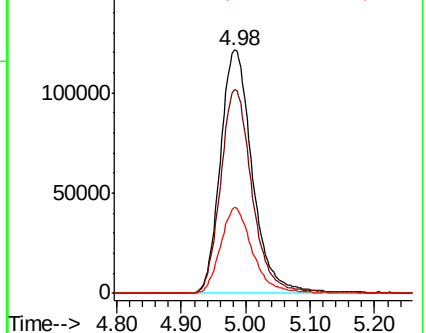
51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 235.892 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN056811.D

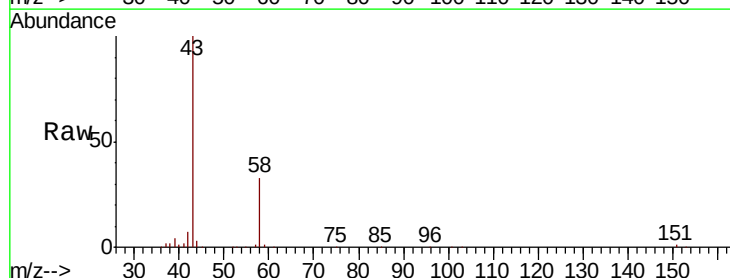
Acq: 18 Jul 2019 14:23

Tgt Ion: 43 Resp: 396526

Ion Ratio Lower Upper

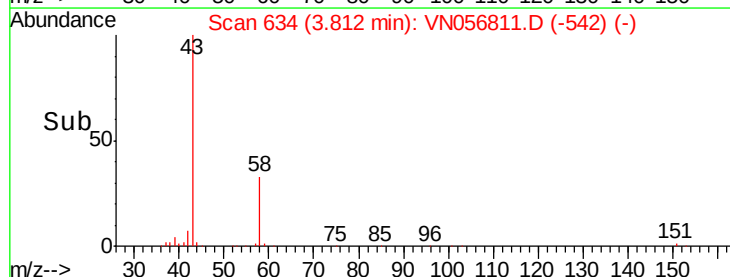
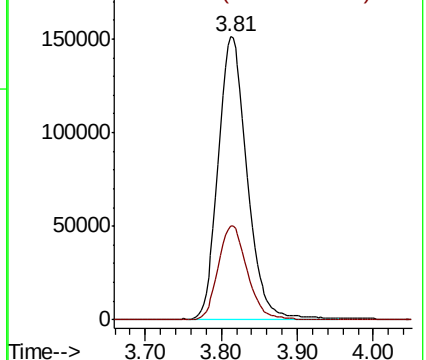
43 100

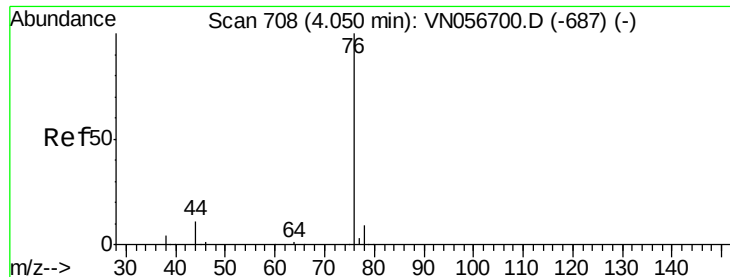
58 33.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.965 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

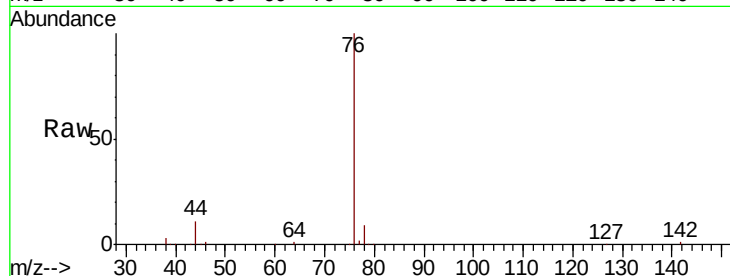
VSTDCCC050

Tot Ion: 76 Resp: 351968

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

150000

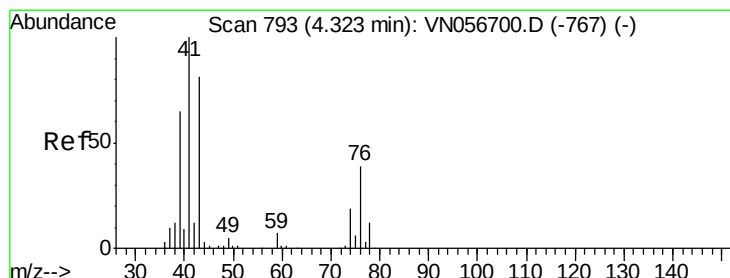
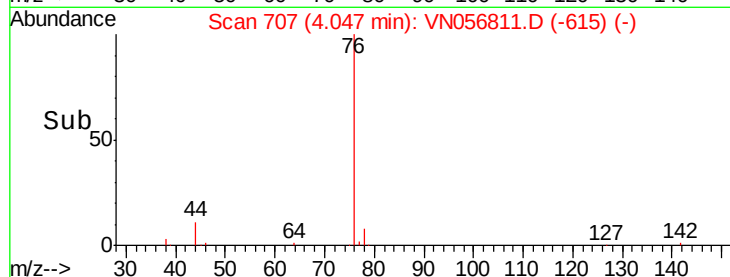
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 46.729 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056811.D

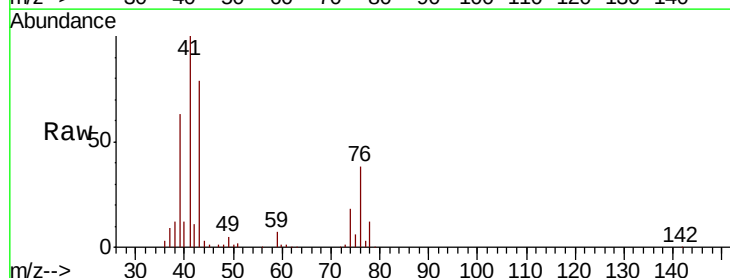
Acq: 18 Jul 2019 14:23

Tgt Ion: 43 Resp: 176656

Ion Ratio Lower Upper

43 100

74 24.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

60000

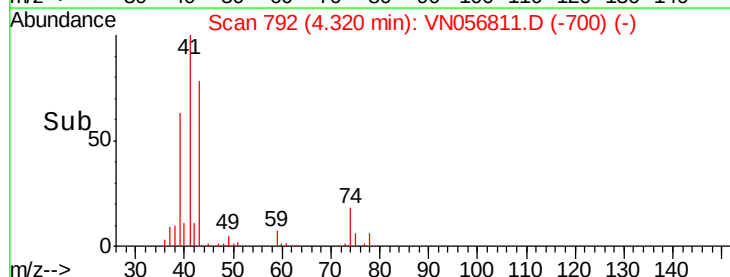
40000

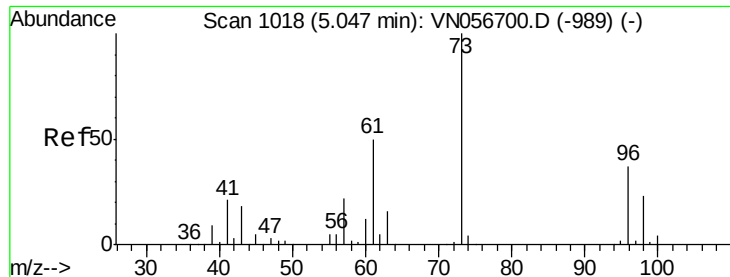
20000

0

Time-->

4.20 4.30 4.40

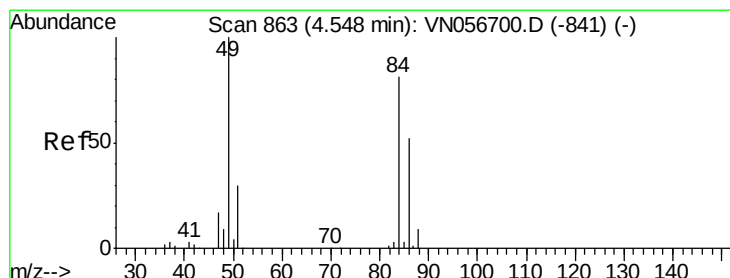
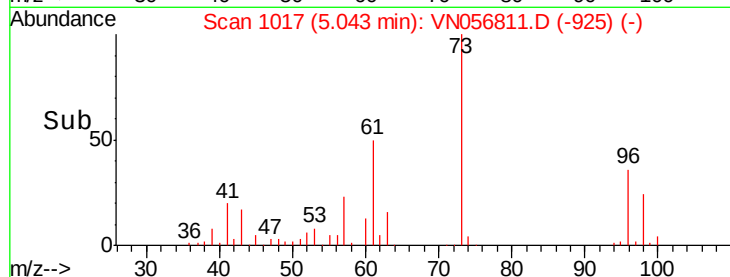
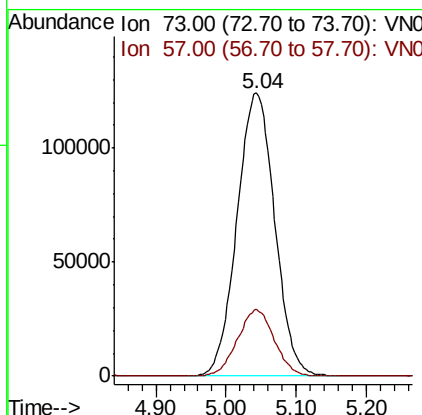
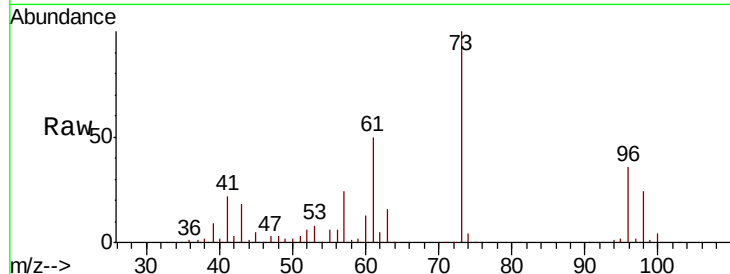




#19
Methyl tert-butyl Ether
Concen: 46.896 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

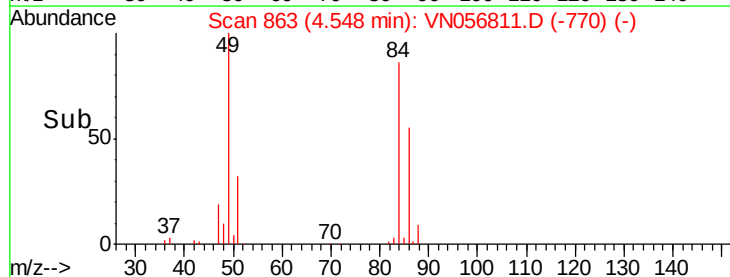
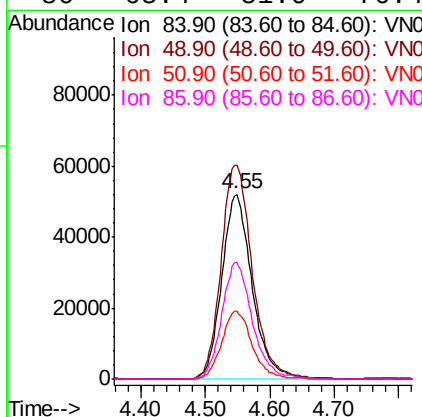
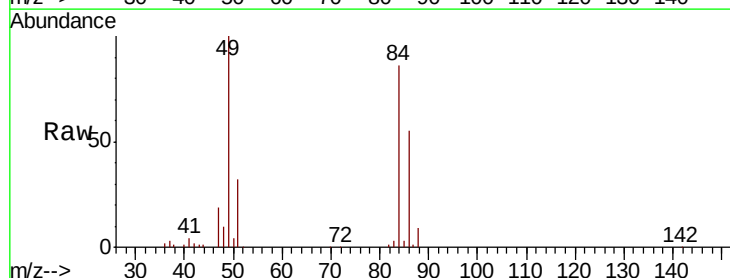
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

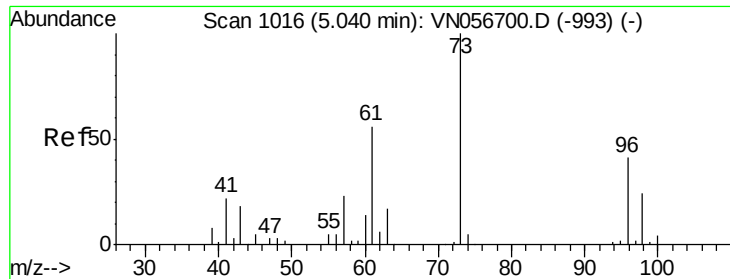
Tot Ion: 73 Resp: 463207
Ion Ratio Lower Upper
73 100
57 23.5 17.9 26.9



#20
Methylene Chloride
Concen: 46.300 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 84 Resp: 170079
Ion Ratio Lower Upper
84 100
49 115.7 98.2 147.4
51 36.5 29.6 44.4
86 63.4 51.0 76.4

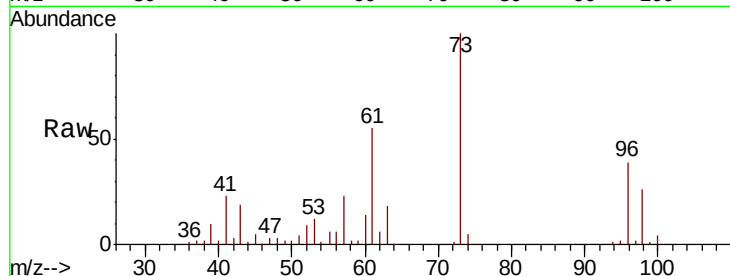




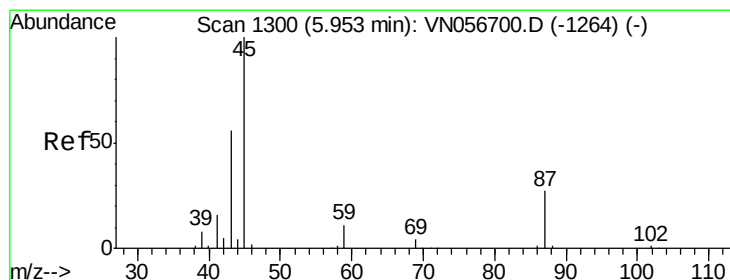
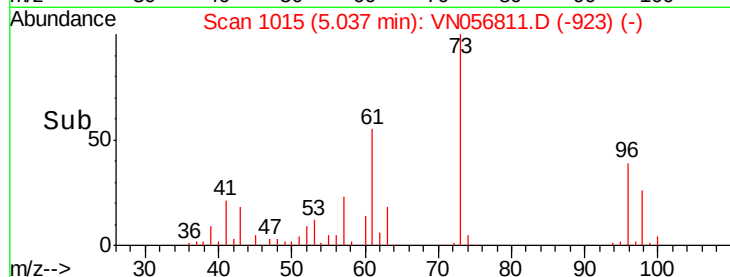
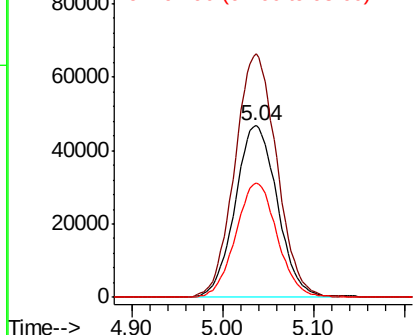
#21
trans-1,2-Dichloroethene
Concen: 46.030 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 150836
Ion Ratio Lower Upper
96 100
61 141.3 109.4 164.2
98 66.5 48.0 72.0

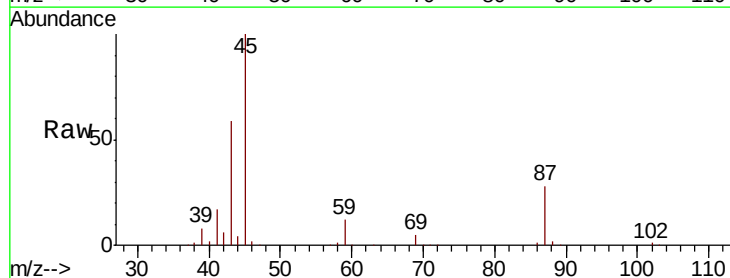


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

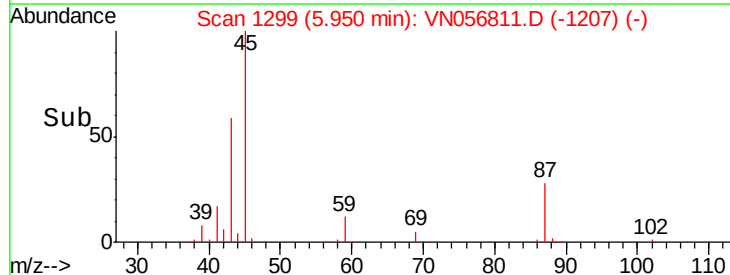
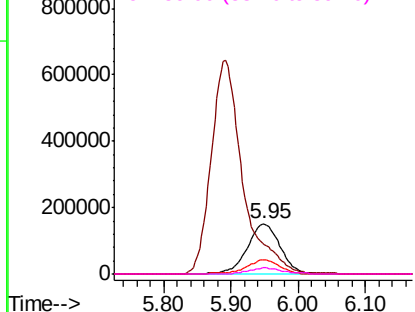


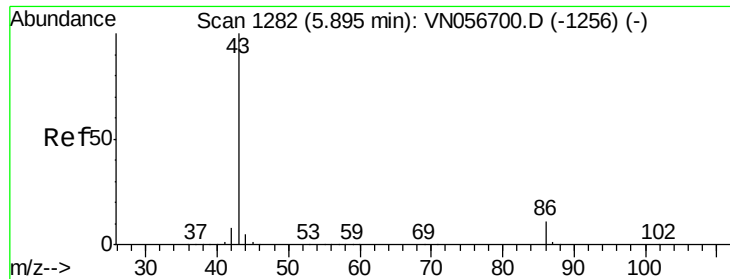
#22
Diisopropyl ether
Concen: 48.601 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 45 Resp: 514302
Ion Ratio Lower Upper
45 100
43 57.9 45.6 68.4
87 28.0 22.0 33.0
59 11.5 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

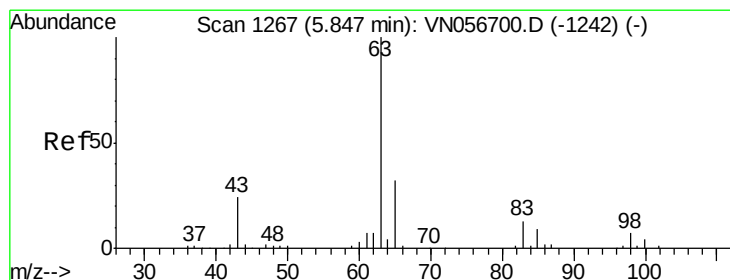
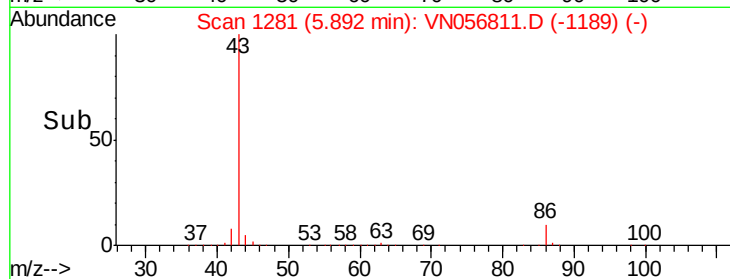
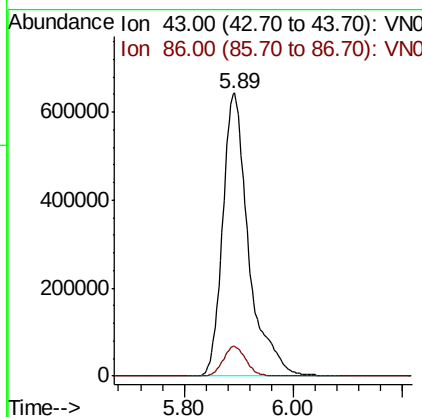
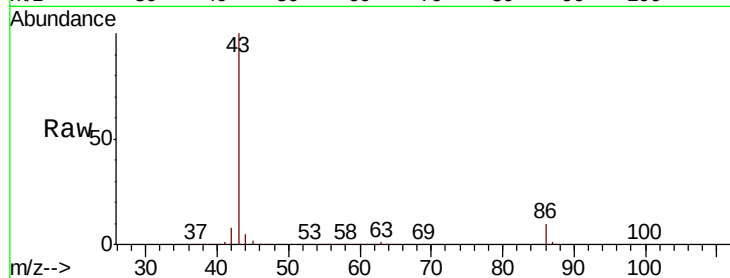




#23
 Vinyl Acetate
 Concen: 246.944 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

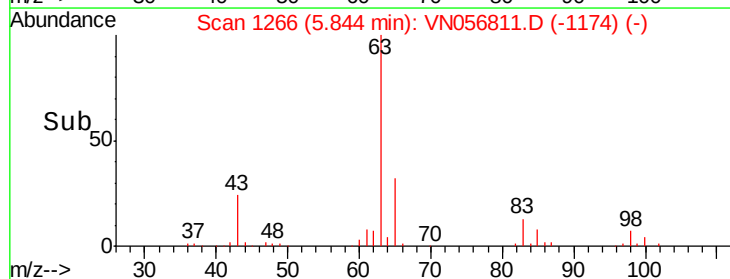
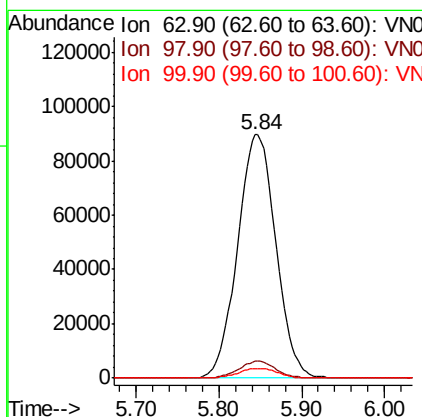
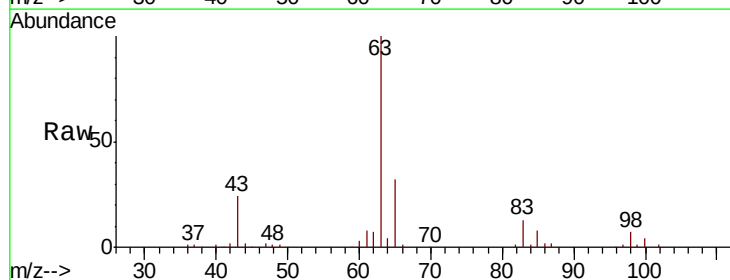
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

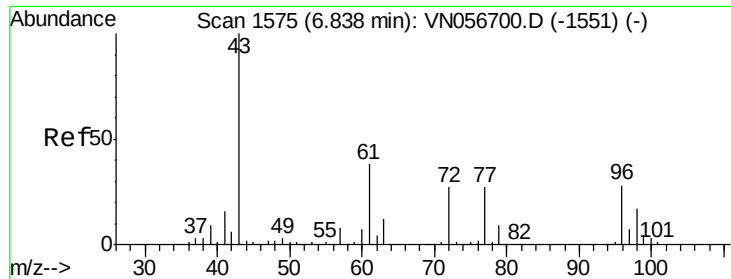
Tot Ion: 43 Resp: 2117579
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 46.820 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 63 Resp: 287249
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.0 2.0 5.8

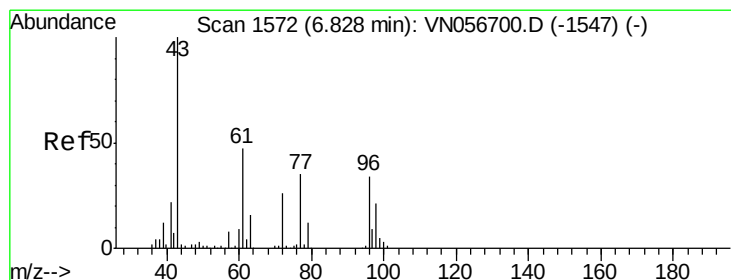
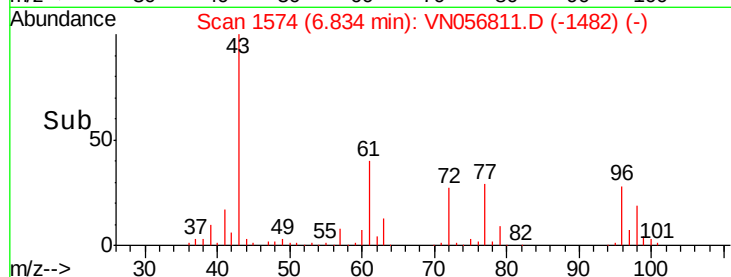
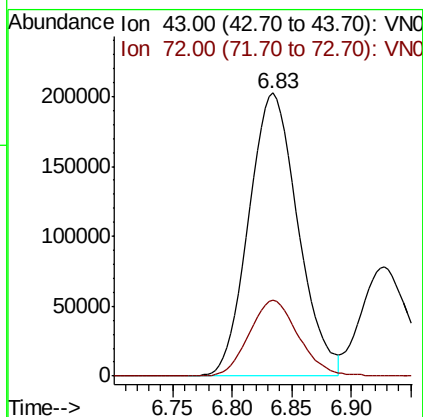
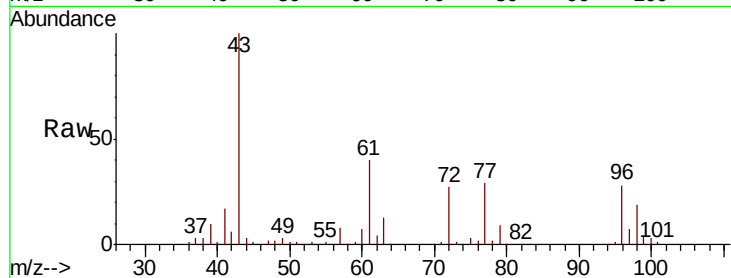




#25
2-Butanone
Concen: 235.399 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

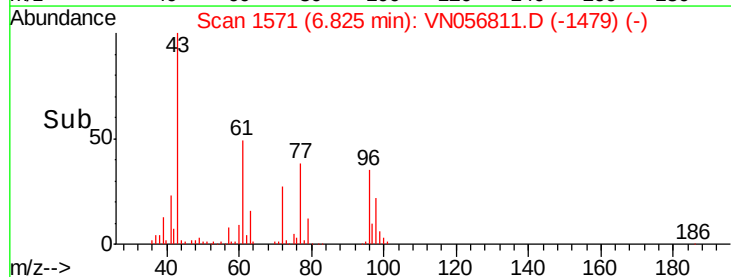
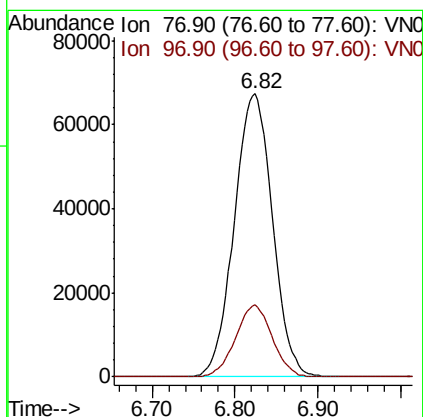
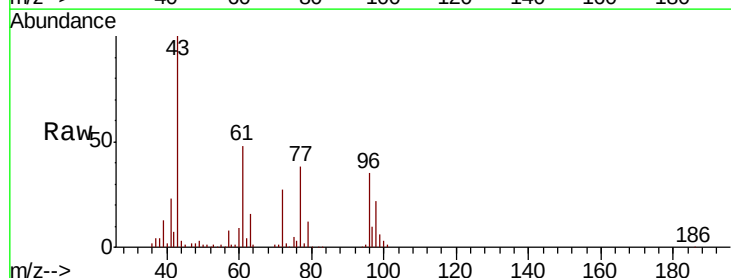
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

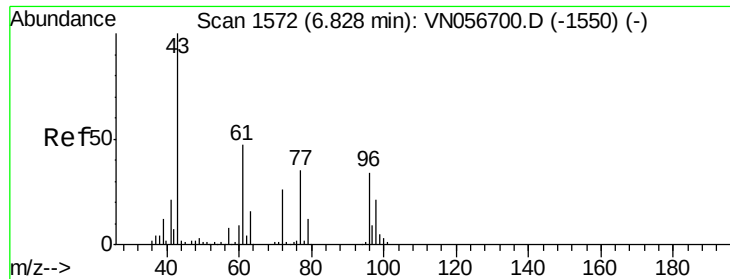
Tot Ion: 43 Resp: 578511
Ion Ratio Lower Upper
43 100
72 26.8 21.2 31.8



#26
2,2-Dichloropropane
Concen: 48.781 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 77 Resp: 215793
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6

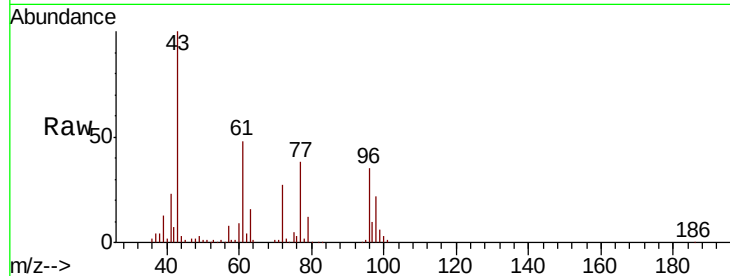




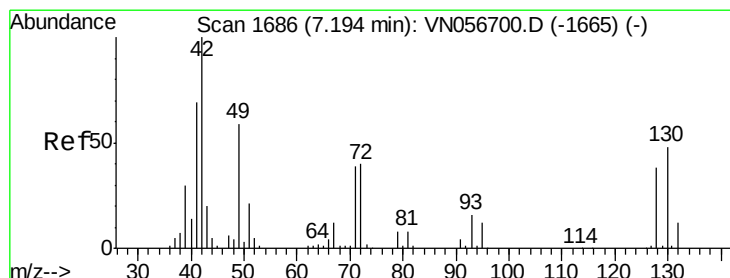
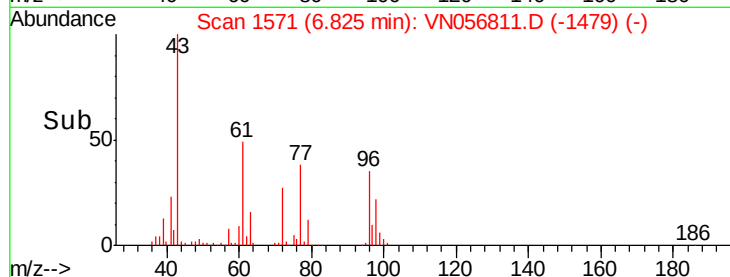
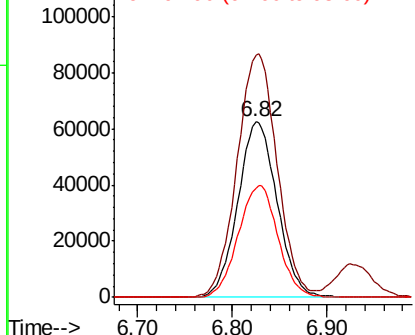
#27
 cis-1,2-Dichloroethene
 Concen: 47.742 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 96 Resp: 180018
 Ion Ratio Lower Upper
 96 100
 61 141.5 0.0 281.4
 98 64.5 0.0 127.8

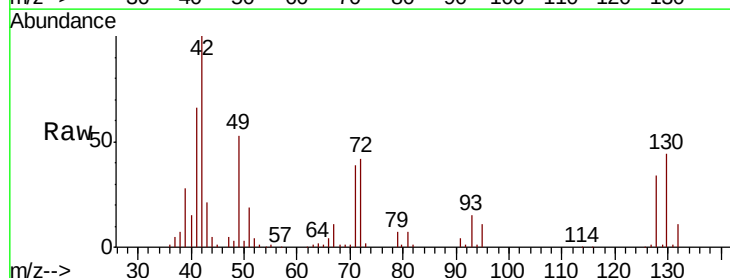


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

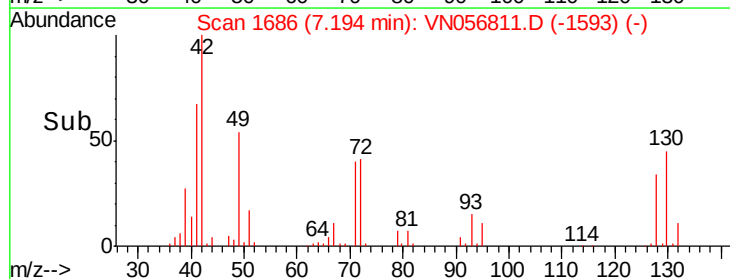
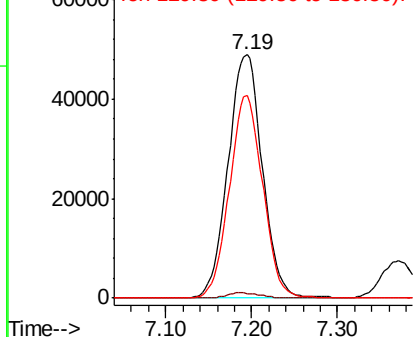


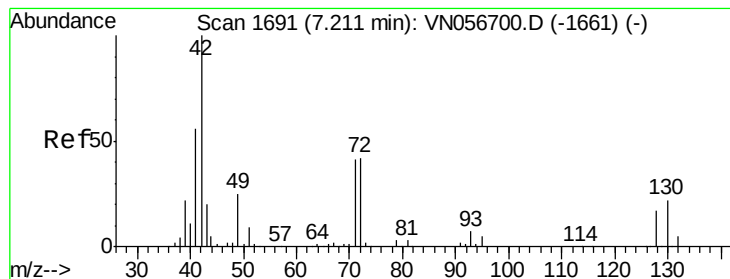
#28
 Bromochloromethane
 Concen: 47.140 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 49 Resp: 135981
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 80.6 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: 232.971 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

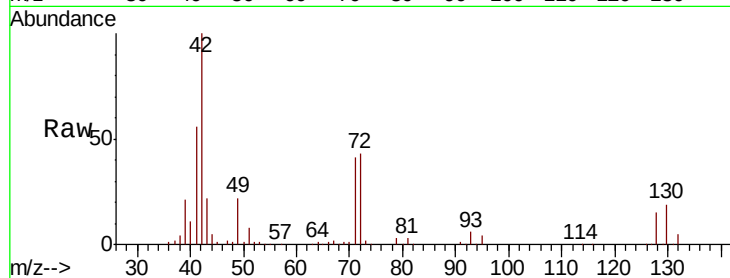
Tot Ion: 42 Resp: 373430

Ion Ratio Lower Upper

42 100

72 42.8 33.5 50.3

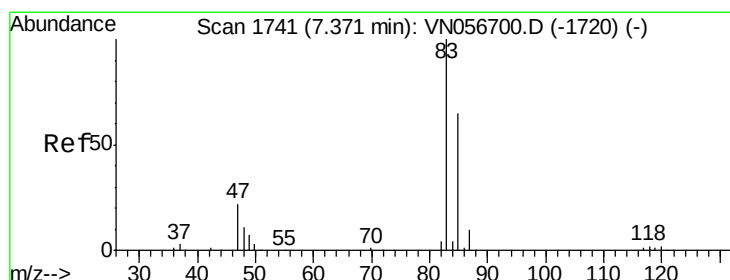
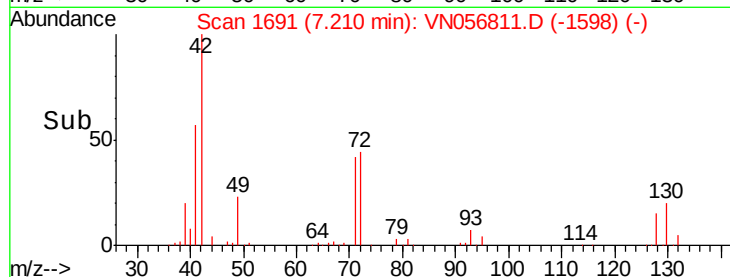
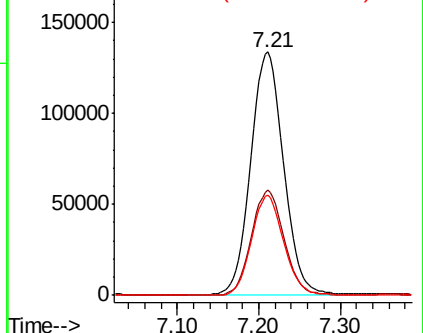
71 40.2 31.8 47.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 46.308 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN056811.D

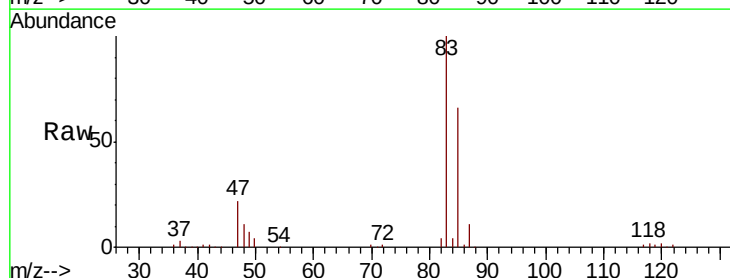
Acq: 18 Jul 2019 14:23

Tgt Ion: 83 Resp: 284304

Ion Ratio Lower Upper

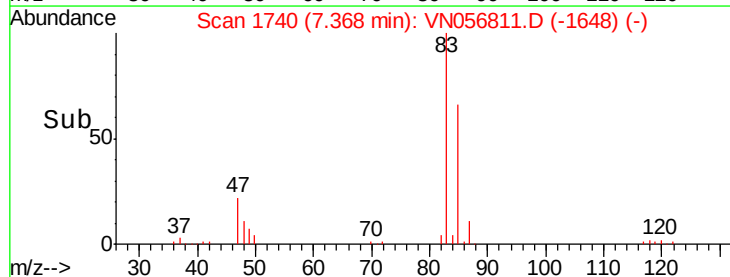
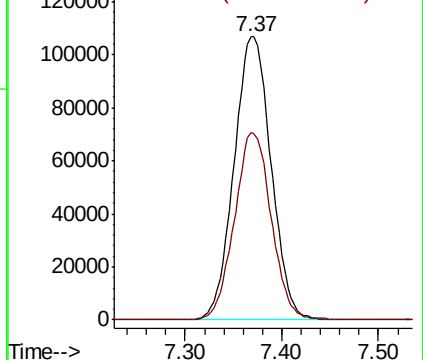
83 100

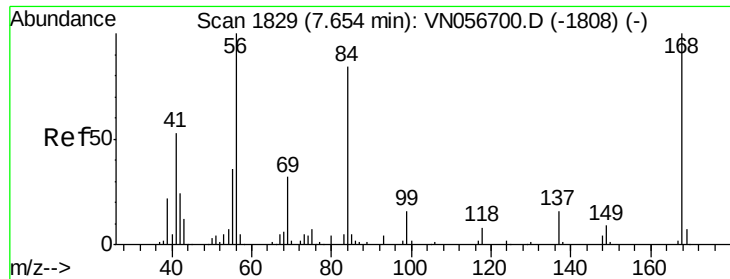
85 66.4 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

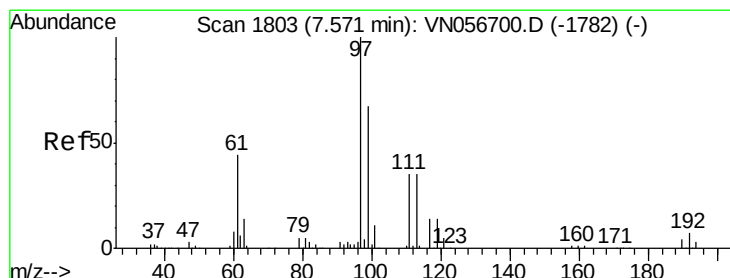
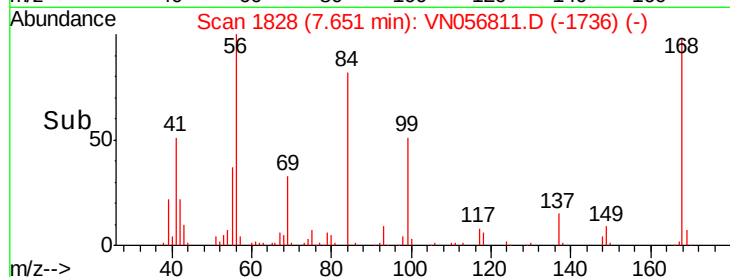
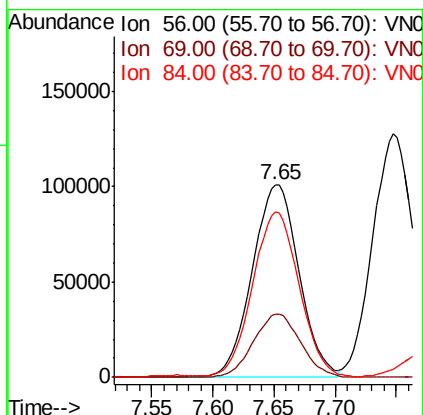
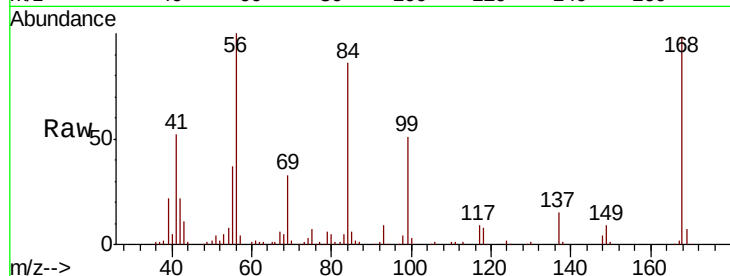




#31
Cyclohexane
Concen: 46.127 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

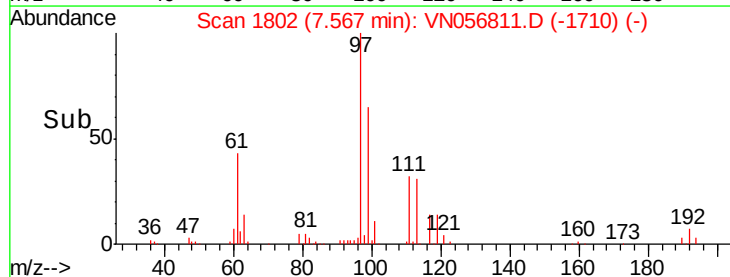
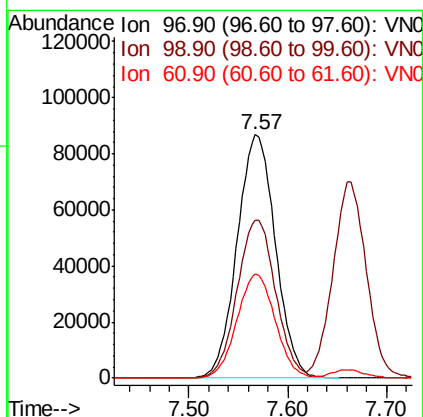
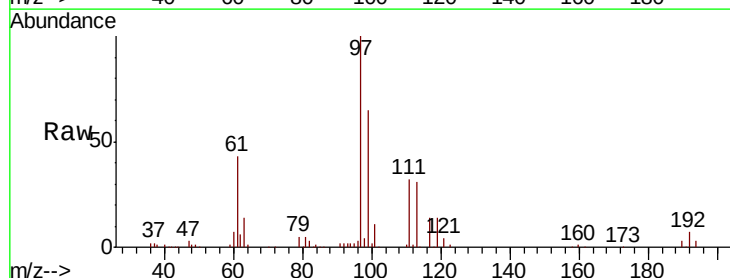
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

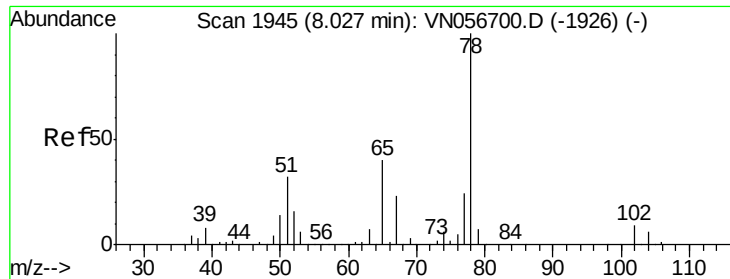
Tot Ion: 56 Resp: 268980
Ion Ratio Lower Upper
56 100
69 32.9 25.8 38.8
84 84.9 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 48.155 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 97 Resp: 233812
Ion Ratio Lower Upper
97 100
99 65.1 52.0 78.0
61 42.7 34.3 51.5

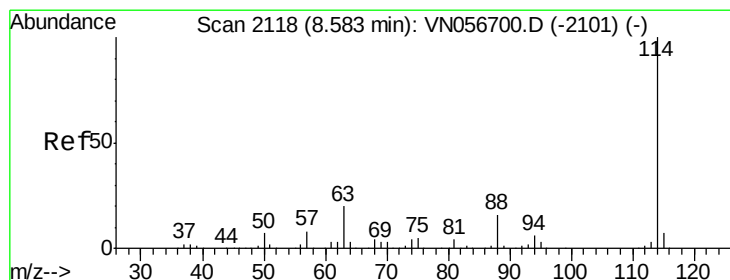
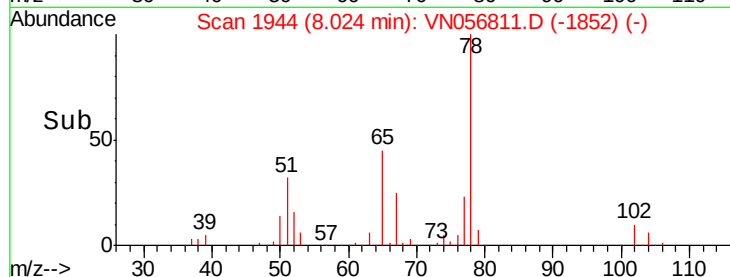
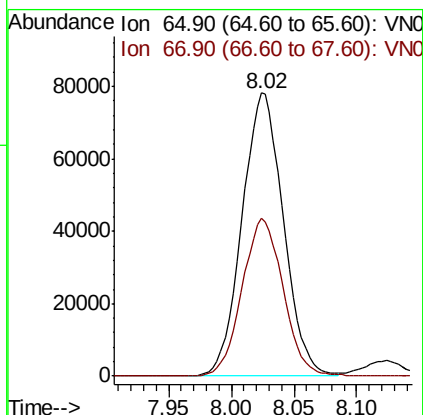
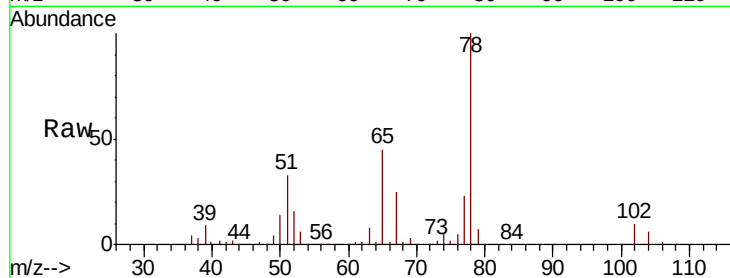




#33
 1,2-Dichloroethane-d4
 Concen: 49.152 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

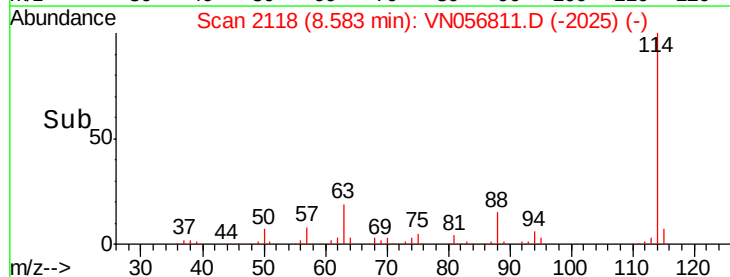
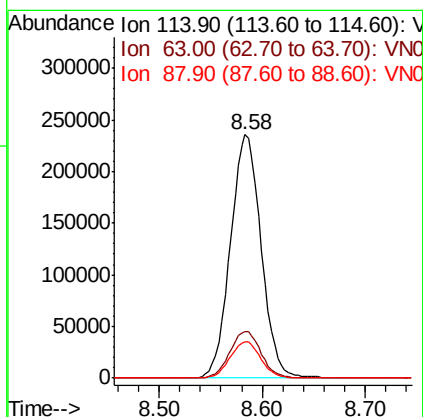
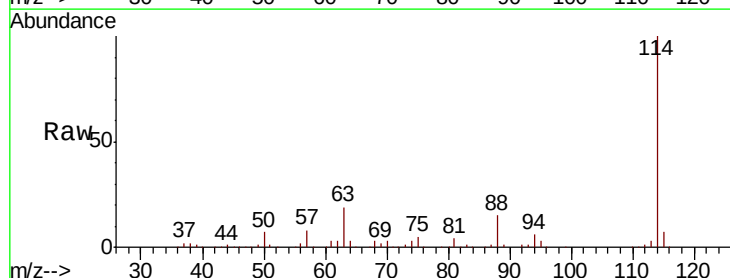
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

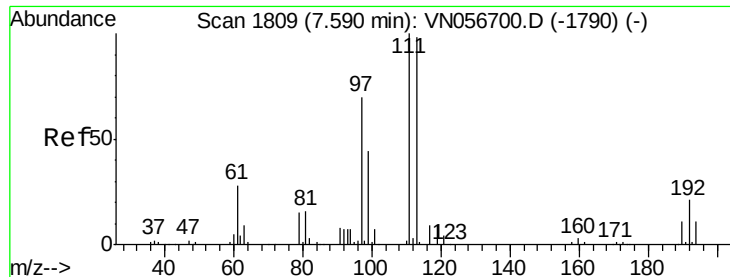
Tot Ion: 65 Resp: 179294
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 114 Resp: 489315
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.678 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

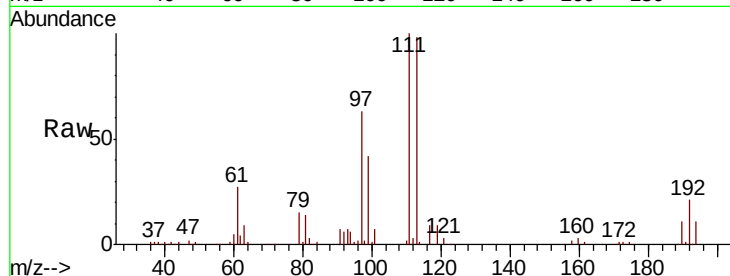
Tot Ion:113 Resp: 157366

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

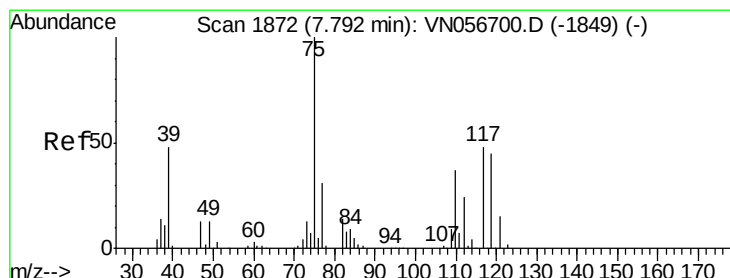
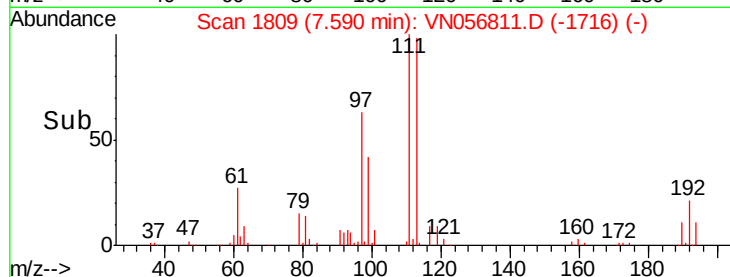
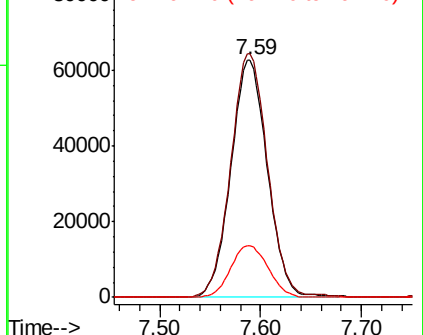
192 22.4 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.849 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

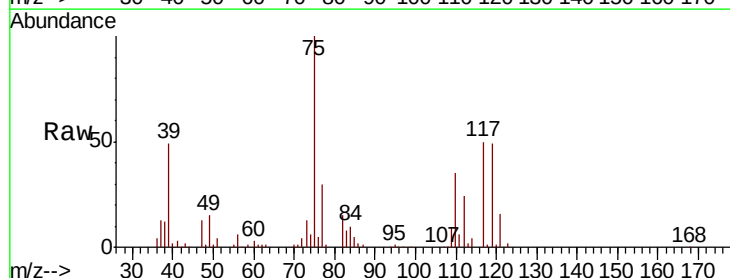
Tgt Ion: 75 Resp: 216656

Ion Ratio Lower Upper

75 100

110 36.4 18.4 55.4

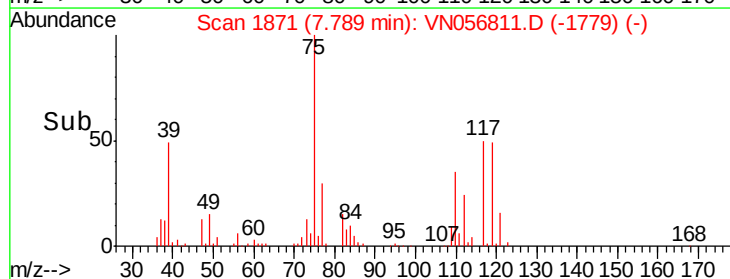
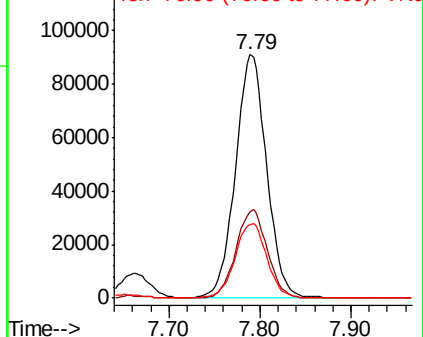
77 31.2 24.6 36.8

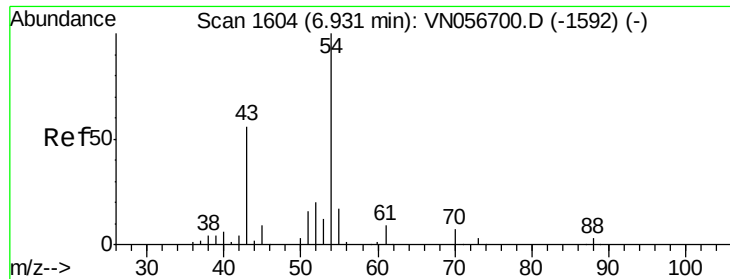


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

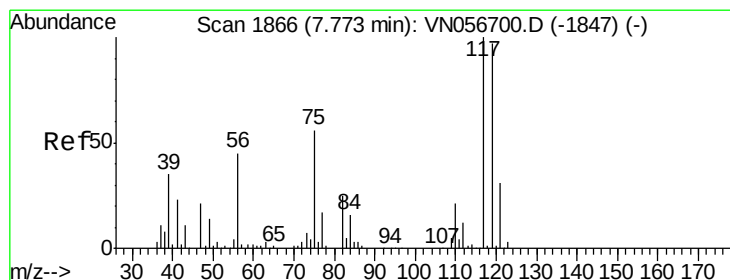
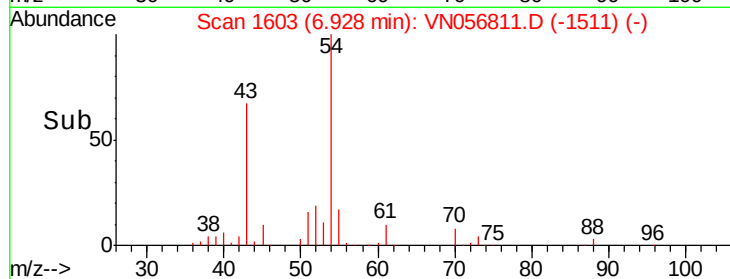
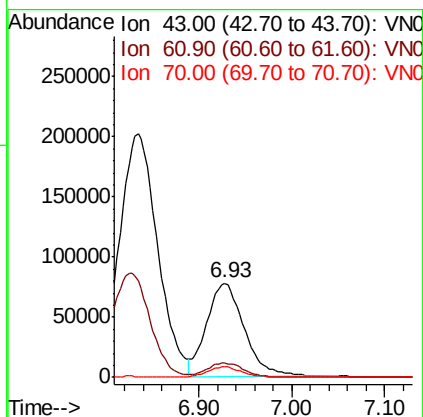
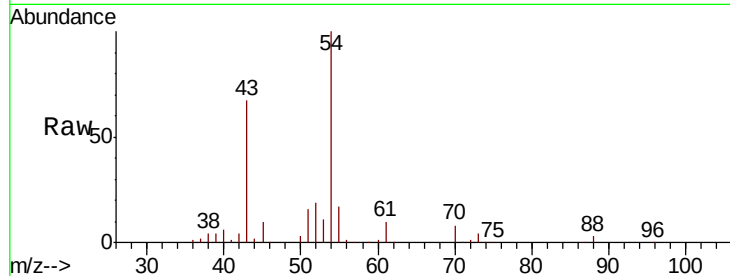




#37
Ethyl Acetate
Concen: 49.110 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

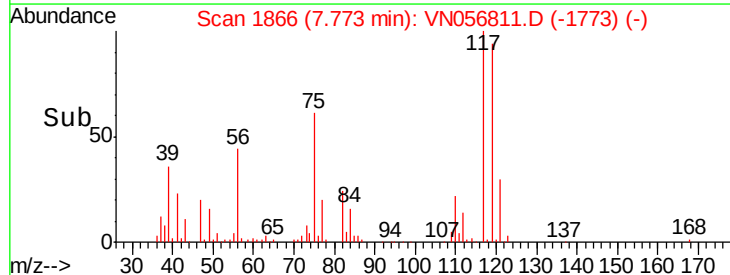
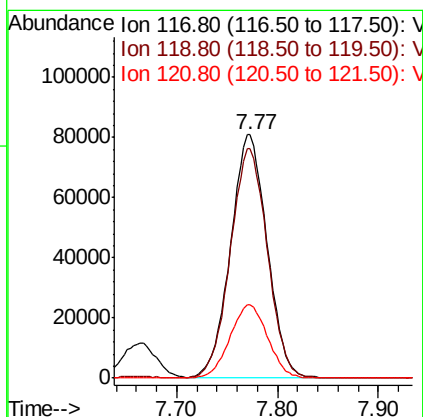
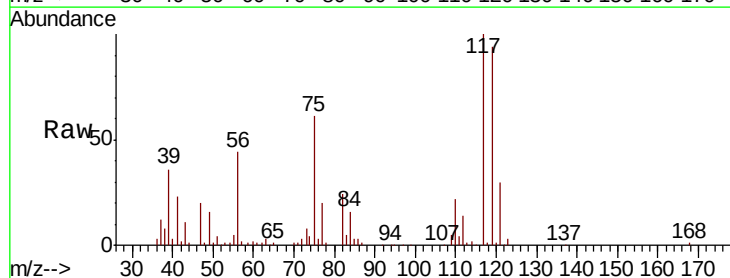
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

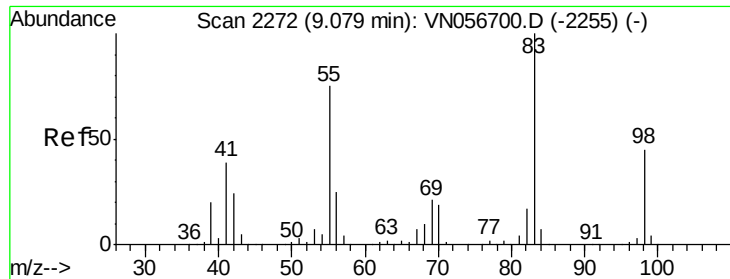
Tot Ion: 43 Resp: 219161
Ion Ratio Lower Upper
43 100
61 15.4 11.3 16.9
70 10.7 8.5 12.7



#38
Carbon Tetrachloride
Concen: 48.082 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 117 Resp: 204169
Ion Ratio Lower Upper
117 100
119 94.5 77.5 116.3
121 30.2 24.7 37.1

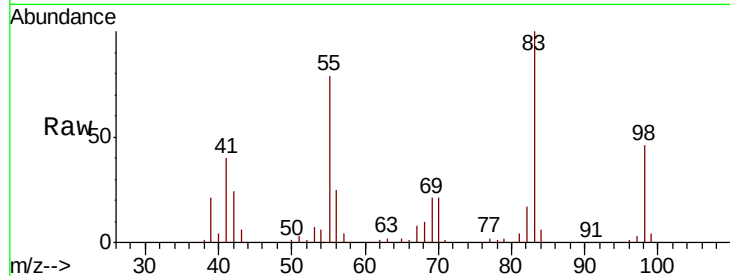




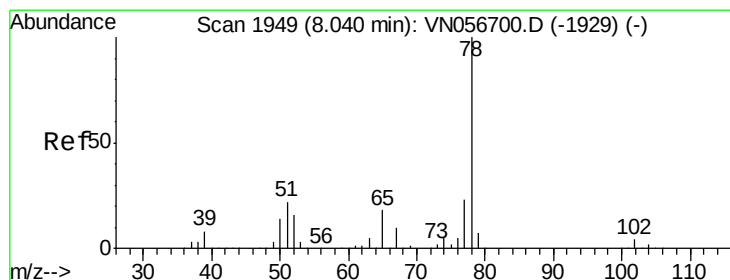
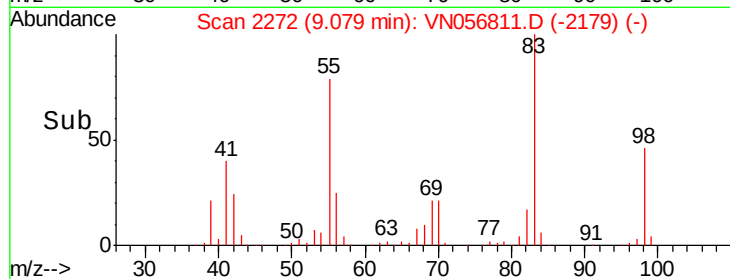
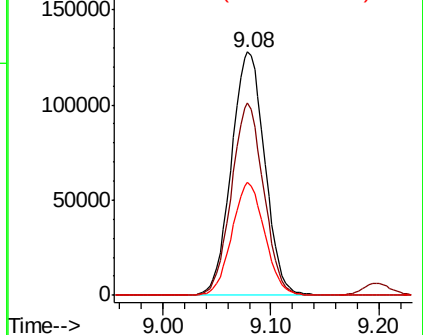
#39
Methylvlcyclohexane
Concen: 49.034 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 274147
Ion Ratio Lower Upper
83 100
55 79.3 60.4 90.6
98 46.2 35.8 53.8

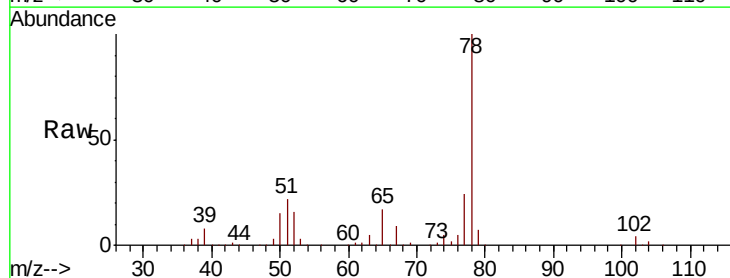


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

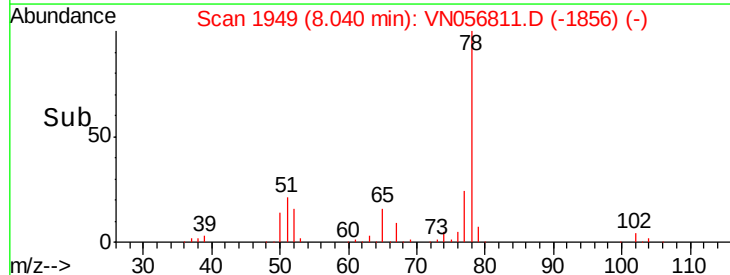
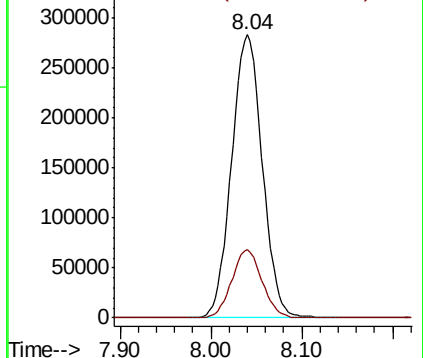


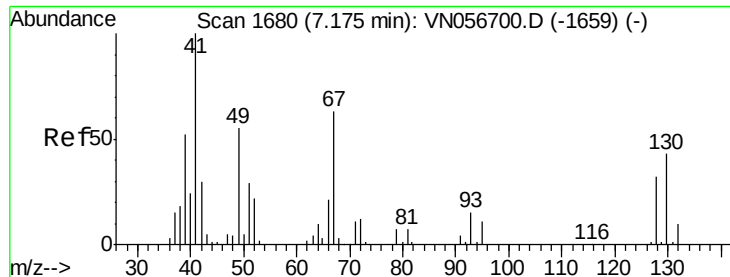
#40
Benzene
Concen: 47.859 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 78 Resp: 663990
Ion Ratio Lower Upper
78 100
77 24.2 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

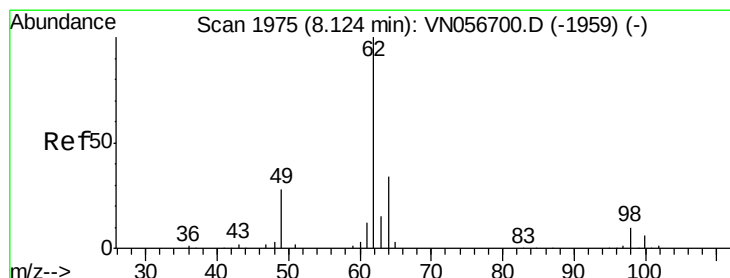
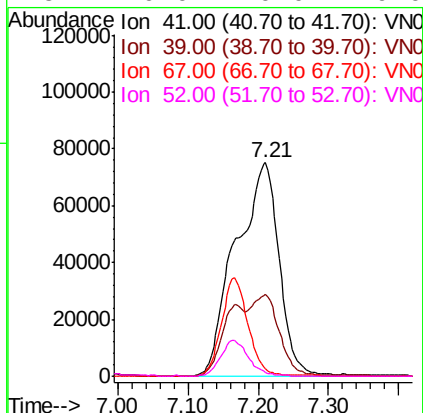
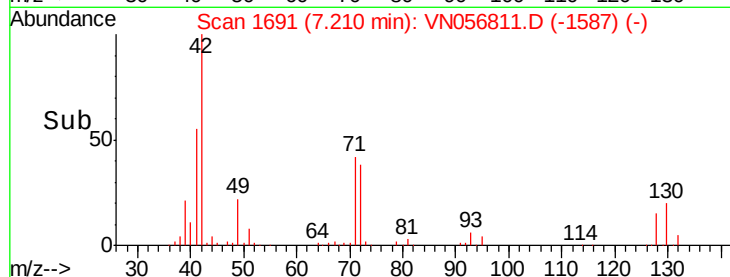
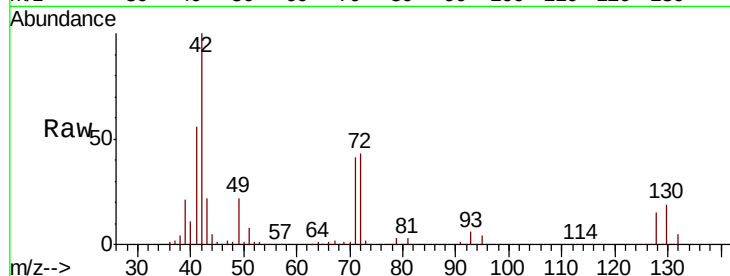




#41
Methacrylonitrile
Concen: 164.014 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

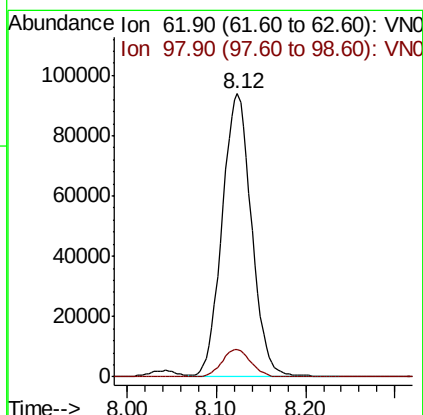
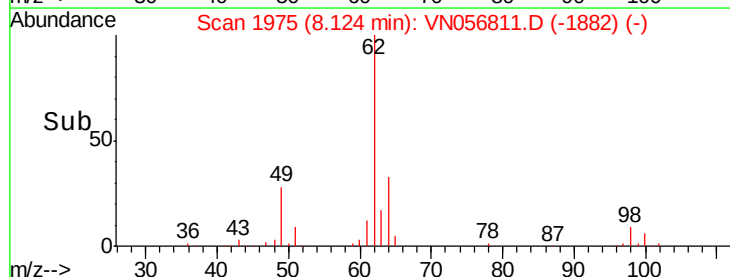
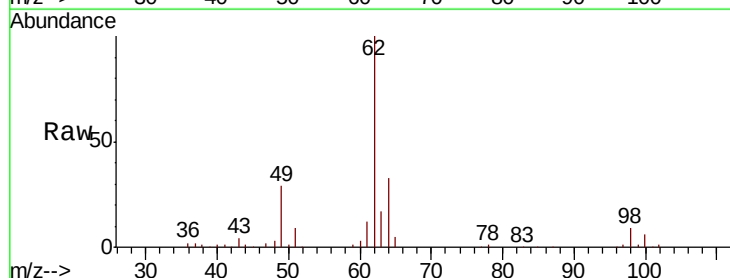
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

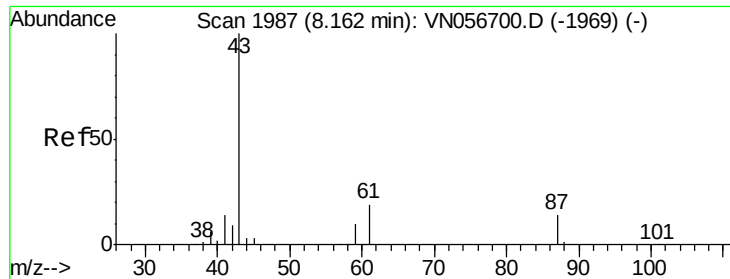
Tot Ion:	41	Resp:	321514
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 48.697 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion:	62	Resp:	213524
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 49.734 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

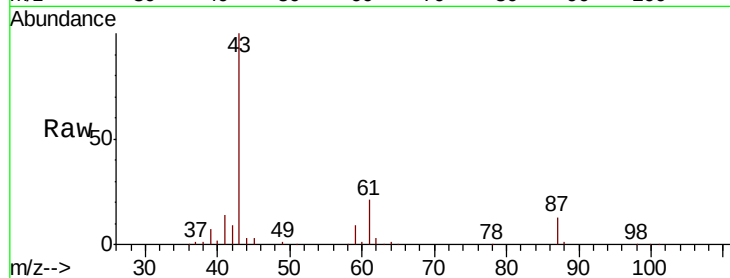
Tot Ion: 43 Resp: 348923

Ion Ratio Lower Upper

43 100

61 27.9 22.3 33.5

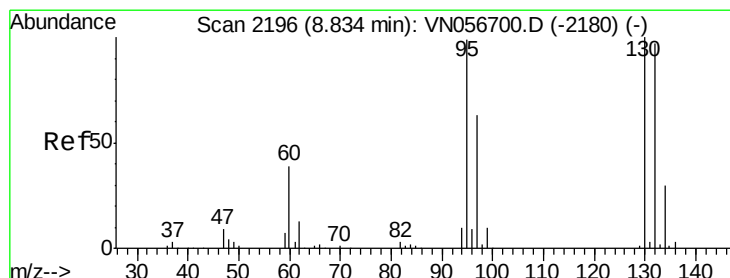
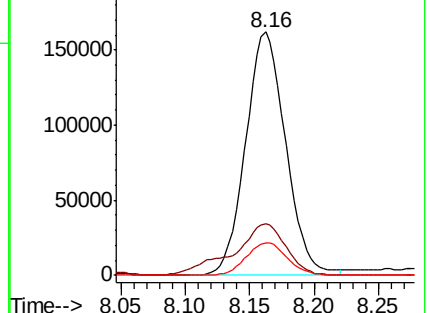
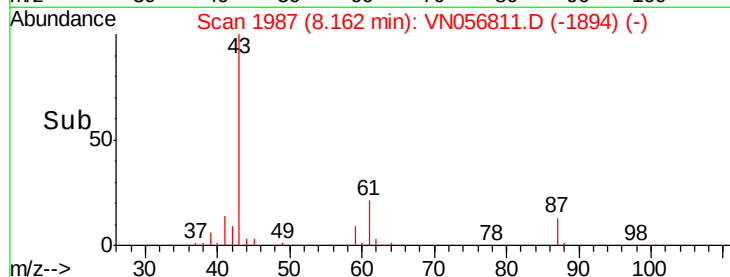
87 13.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056811.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN056811.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN056811.D (-2103) (-)



#44

Trichloroethene

Concen: 48.306 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056811.D

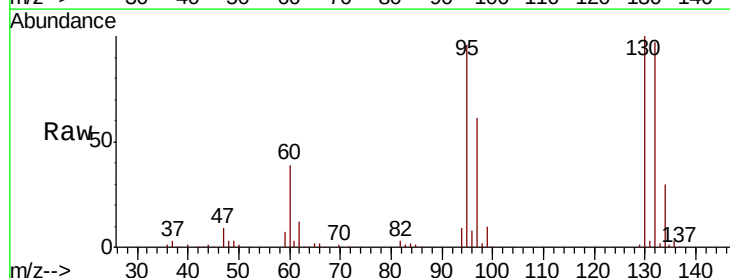
Acq: 18 Jul 2019 14:23

Tgt Ion:130 Resp: 181994

Ion Ratio Lower Upper

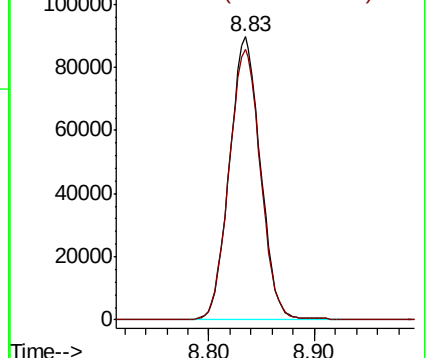
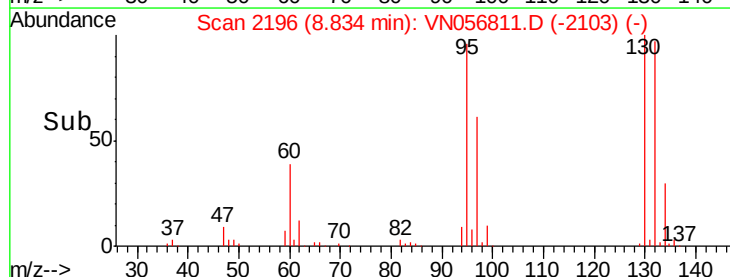
130 100

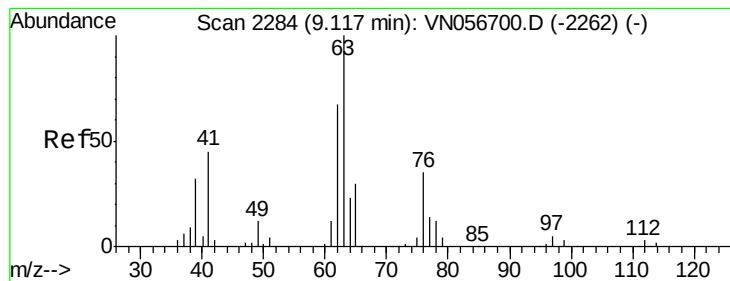
95 95.6 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056811.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056811.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 49.285 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

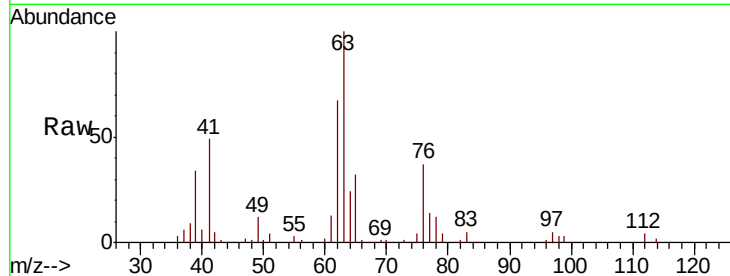
VSTDCCC050

Tot Ion: 63 Resp: 181690

Ion Ratio Lower Upper

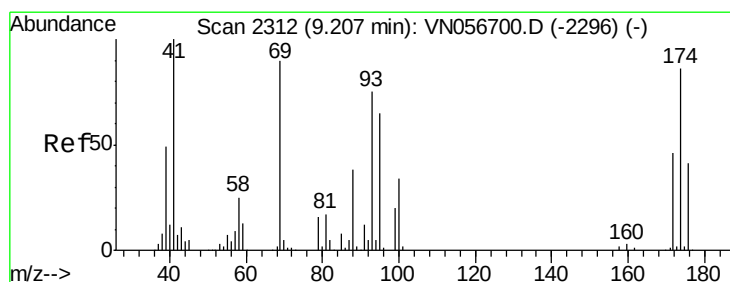
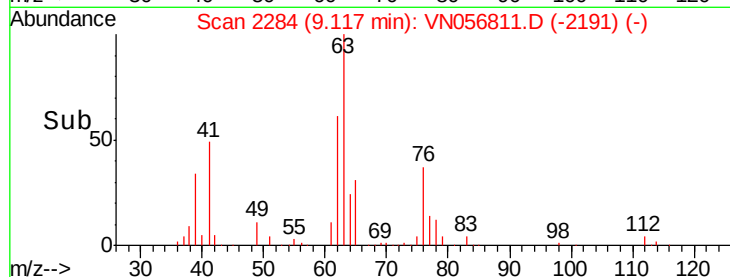
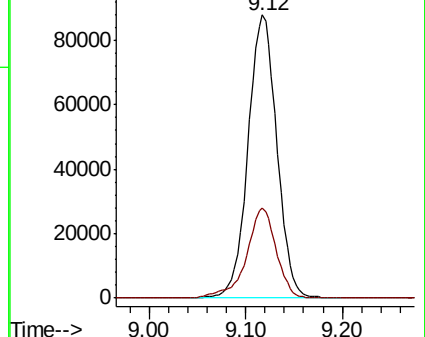
63 100

65 31.8 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.564 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

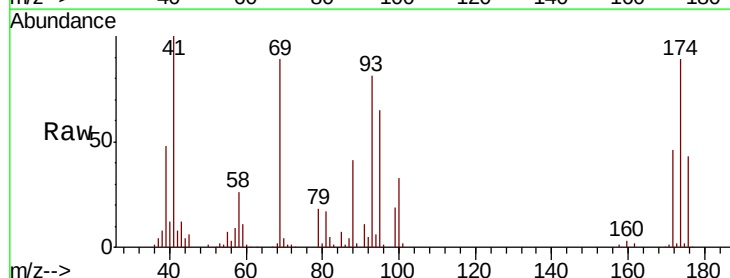
Tgt Ion: 93 Resp: 115515

Ion Ratio Lower Upper

93 100

95 81.4 67.4 101.0

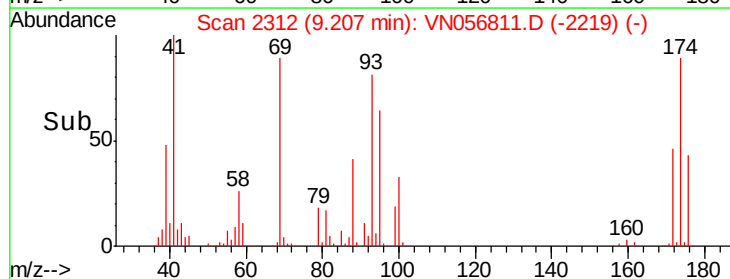
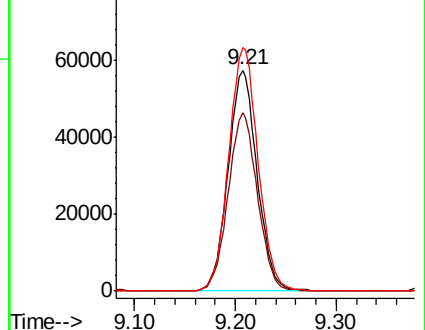
174 111.4 90.3 135.5

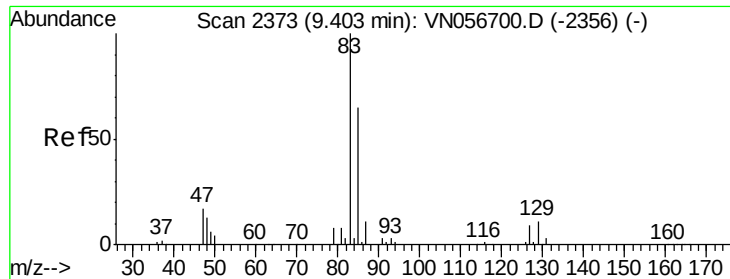


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.938 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

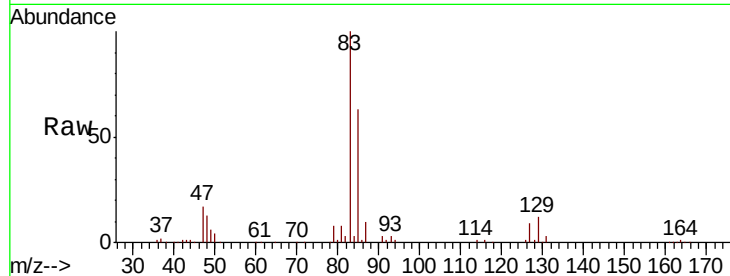
Tot Ion: 83 Resp: 216792

Ion Ratio Lower Upper

83 100

85 63.2 52.3 78.5

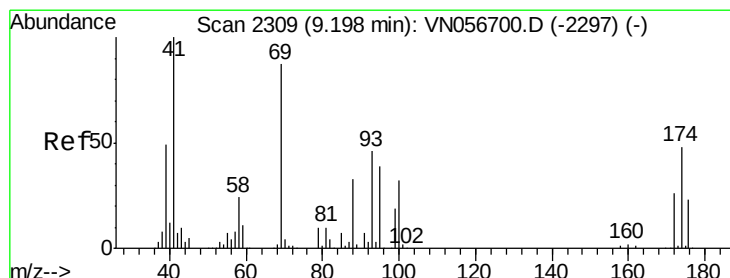
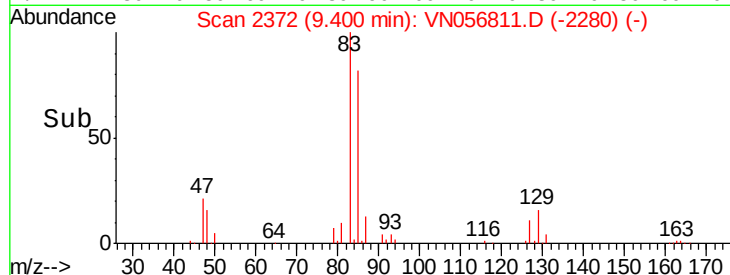
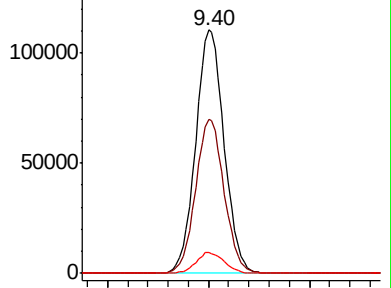
127 8.6 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN056811.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN056811.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN056811.D (-2356) (-)



#48

Methyl methacrylate

Concen: 51.795 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

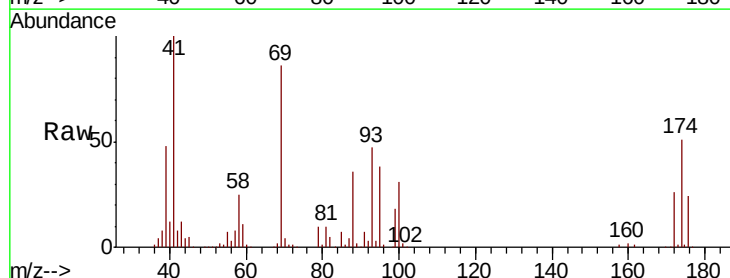
Tgt Ion: 41 Resp: 175735

Ion Ratio Lower Upper

41 100

69 87.6 71.4 107.0

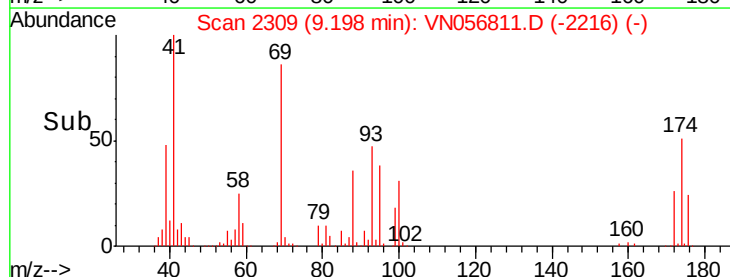
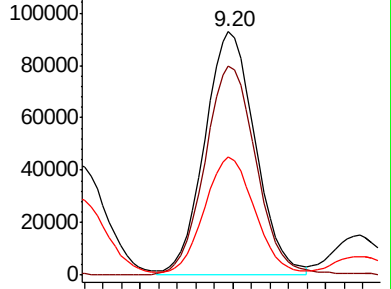
39 48.6 41.2 61.8

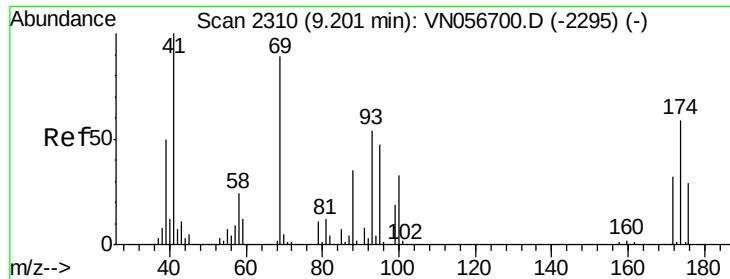


Abundance Ion 41.00 (40.70 to 41.70): VN056811.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056811.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056811.D (-2216) (-)

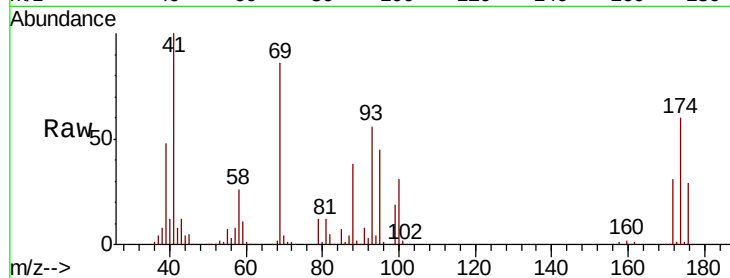




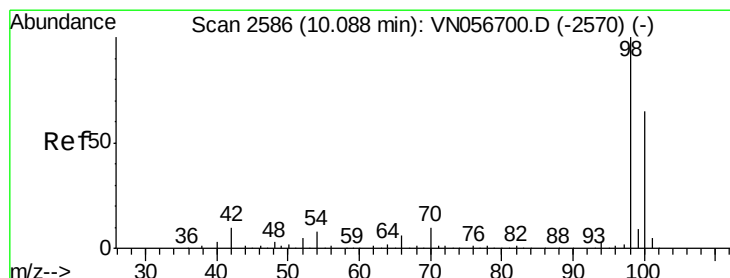
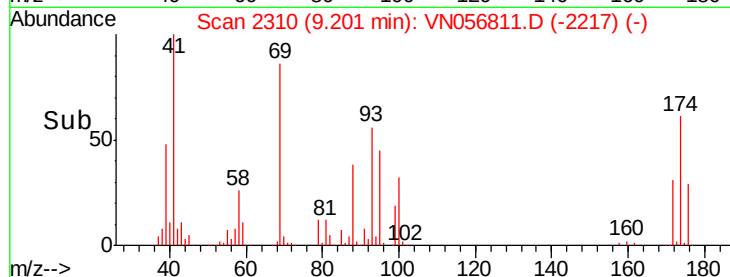
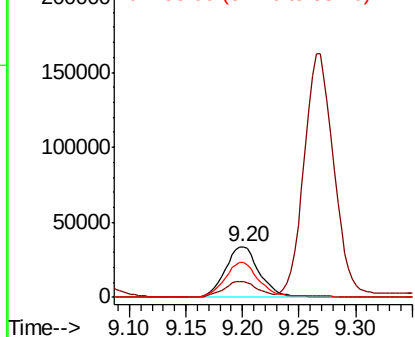
#49
1,4-Dioxane
Concen: 1035.767 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 72109
Ion Ratio Lower Upper
88 100
43 29.1 23.7 35.5
58 68.0 55.6 83.4

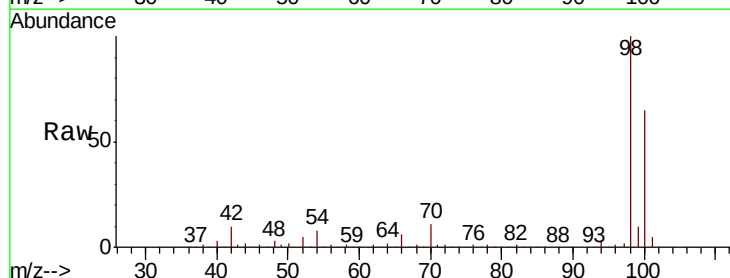


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

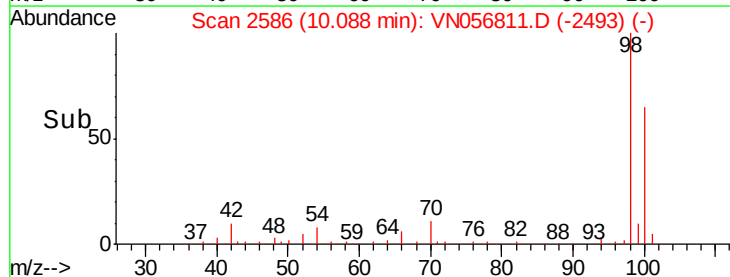
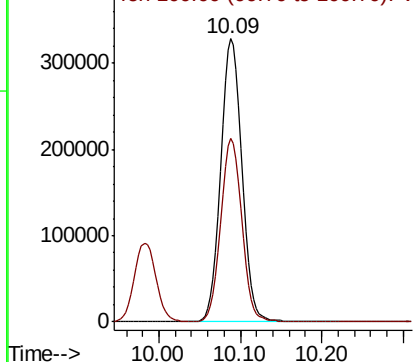


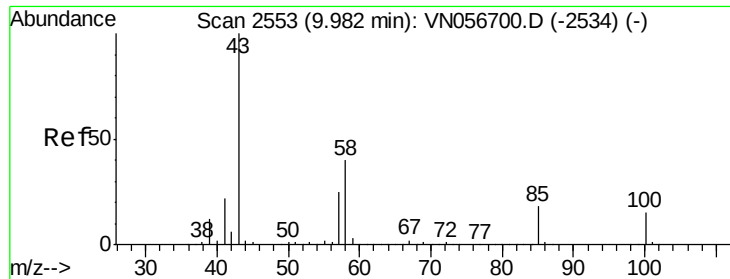
#50
Toluene-d8
Concen: 51.732 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 98 Resp: 608413
Ion Ratio Lower Upper
98 100
100 64.0 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: 244.637 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

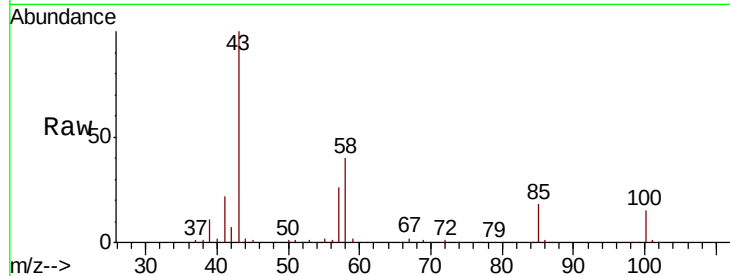
VSTDCCC050

Tot Ion: 43 Resp: 1111629

Ion Ratio Lower Upper

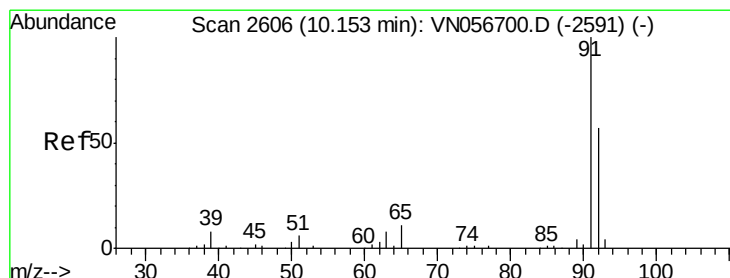
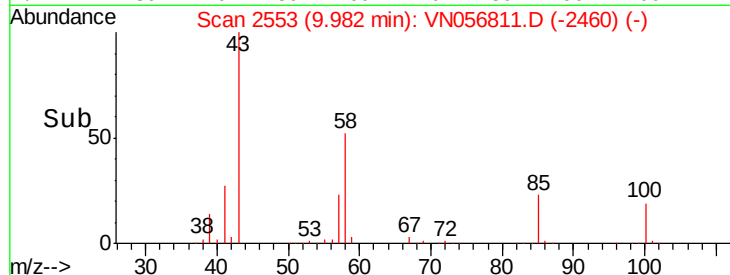
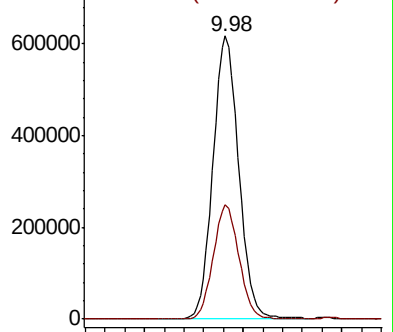
43 100

58 40.4 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.427 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056811.D

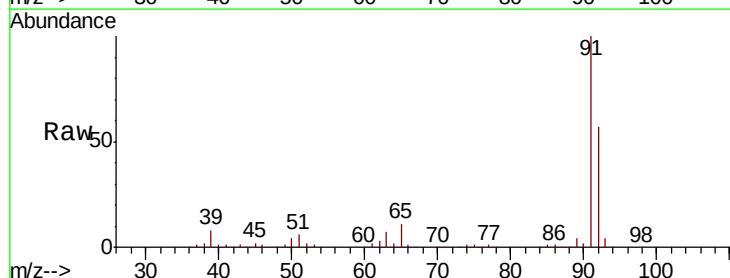
Acq: 18 Jul 2019 14:23

Tgt Ion: 92 Resp: 415491

Ion Ratio Lower Upper

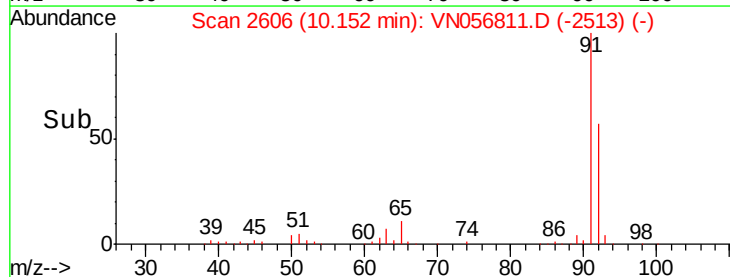
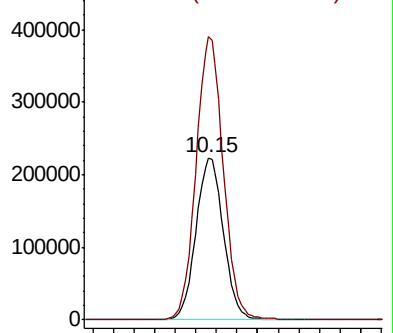
92 100

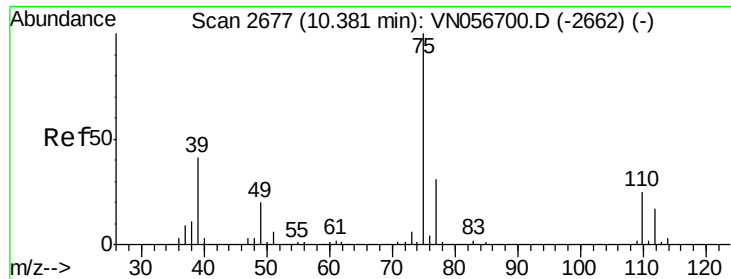
91 173.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

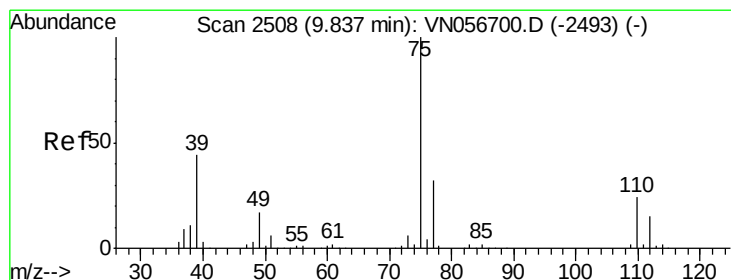
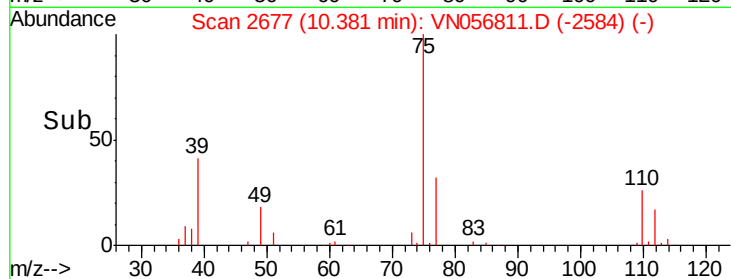
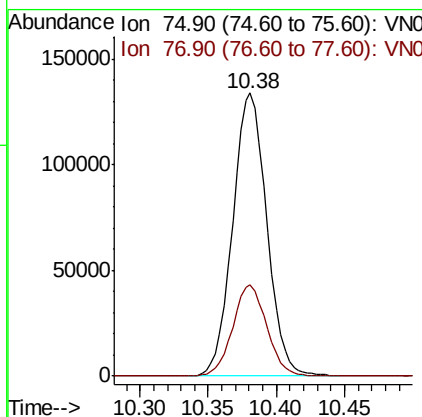
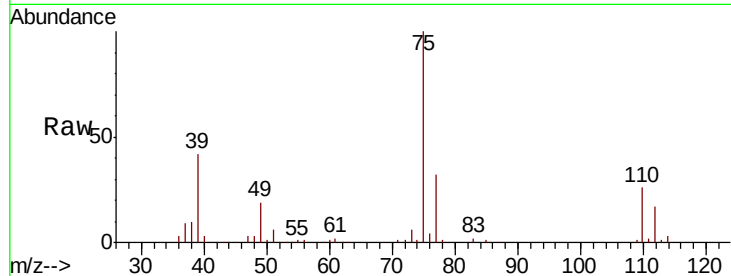




#53
 t-1,3-Dichloropropene
 Concen: 51.273 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

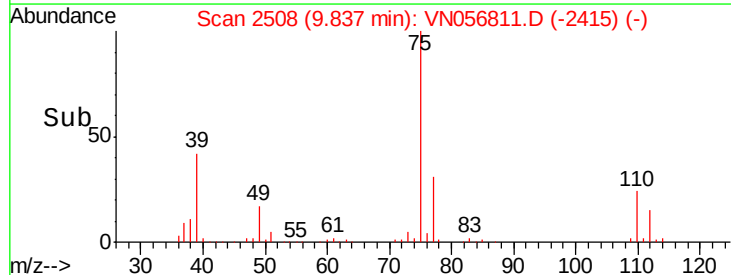
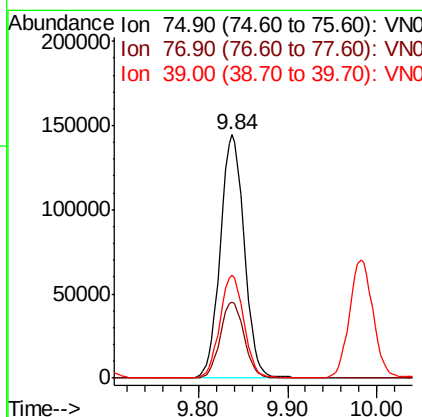
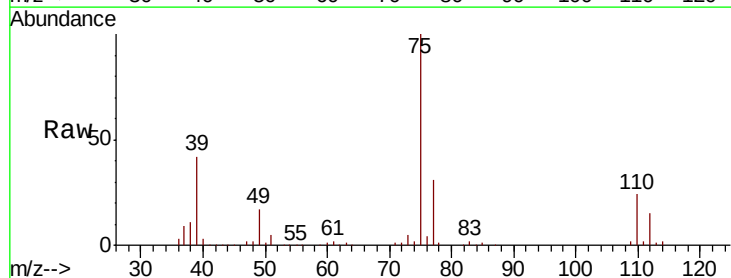
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

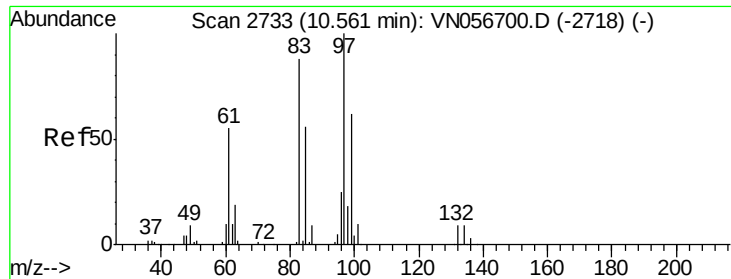
Tot Ion: 75 Resp: 232228
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 51.096 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 75 Resp: 268556
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.0 39.0
 39 42.5 35.1 52.7

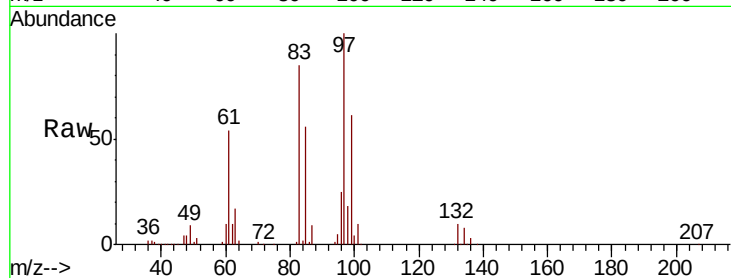




#55
 1,1,2-Trichloroethane
 Concen: 48.942 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	169136
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.3	105.5
85	56.2	44.8	67.2
99	60.8	49.6	74.4



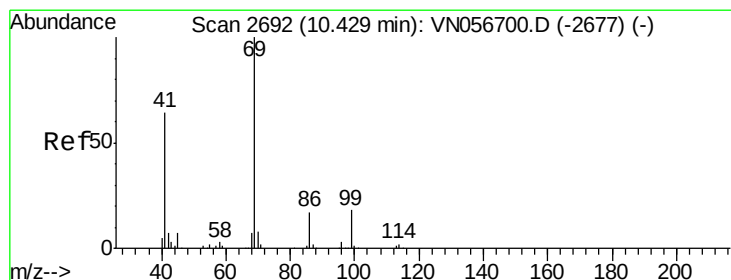
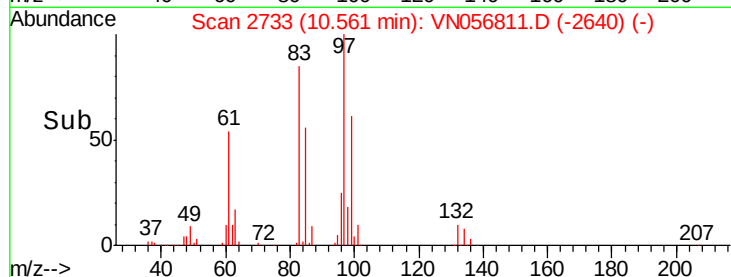
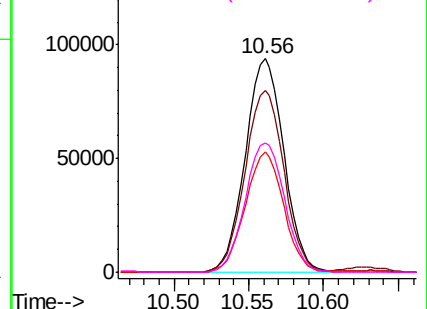
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

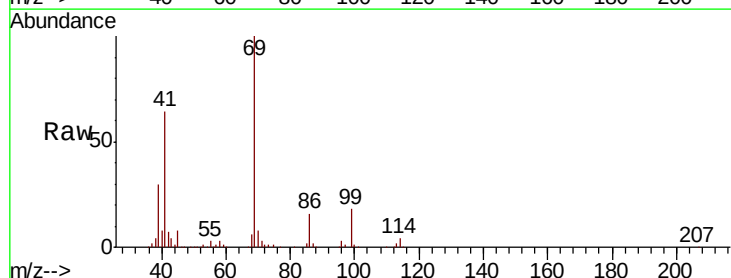
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 51.931 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion:	69	Resp:	258227
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.0	76.4
39	30.2	24.6	36.8

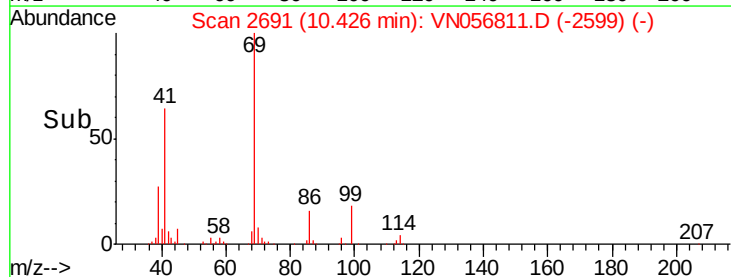
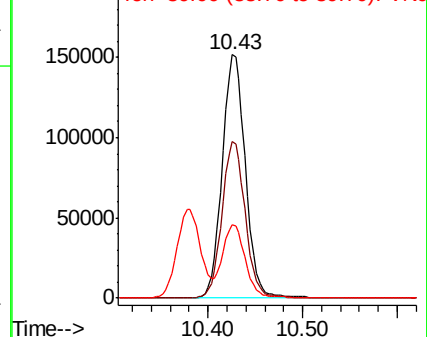


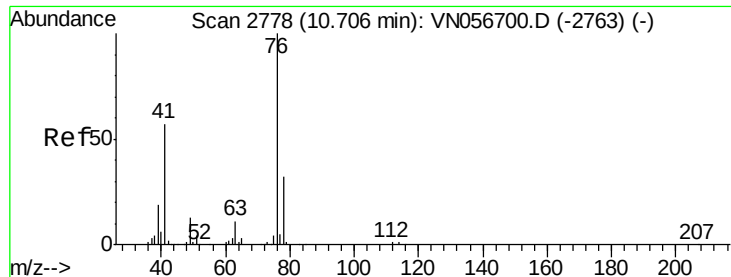
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

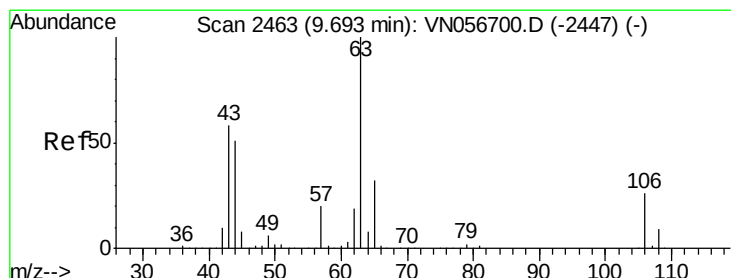
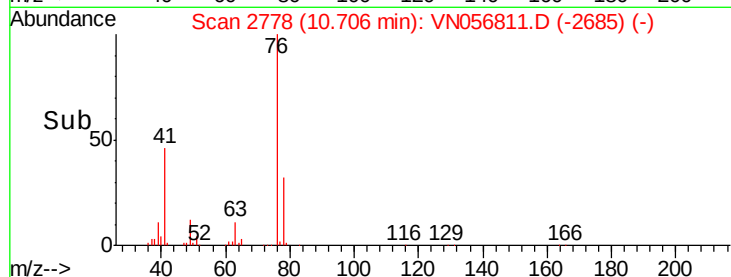
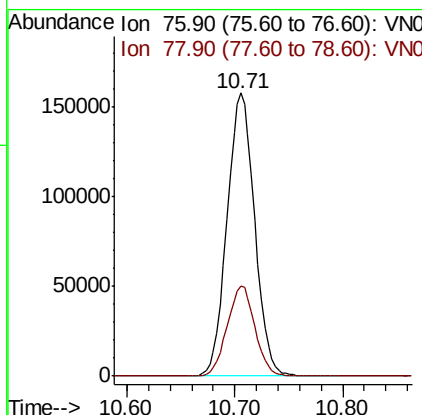
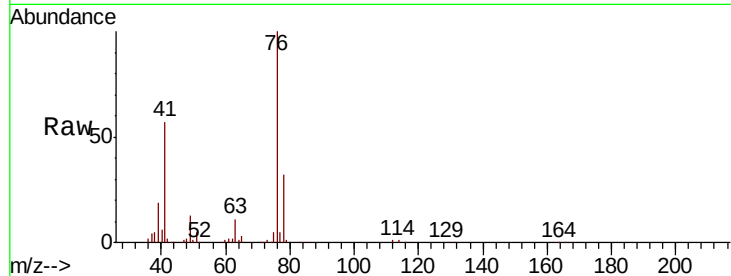




#57
 1,3-Dichloropropane
 Concen: 49.866 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

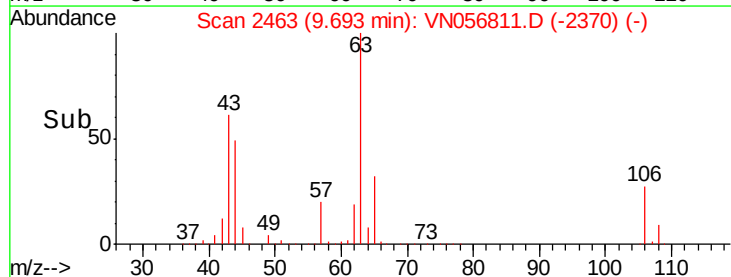
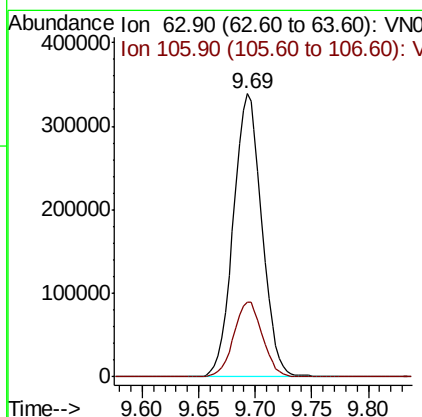
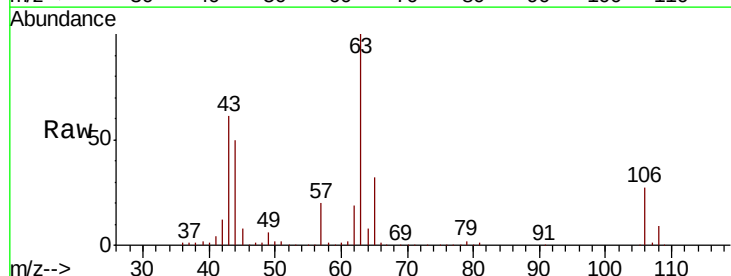
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

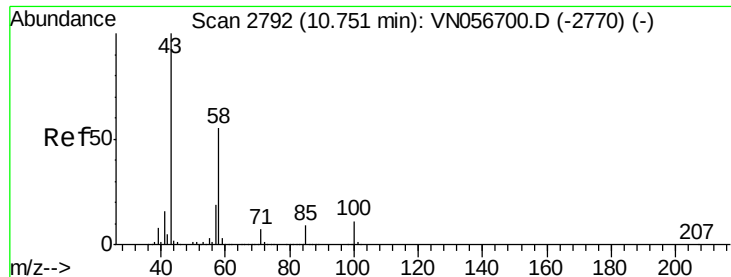
Tot Ion: 76 Resp: 281457
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.947 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 63 Resp: 595267
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.2 31.8

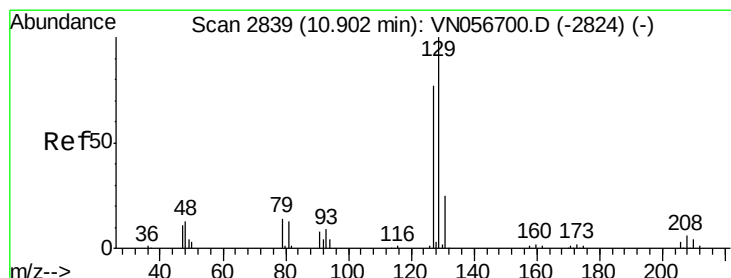
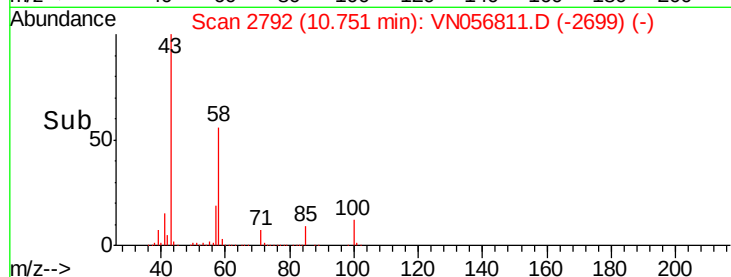
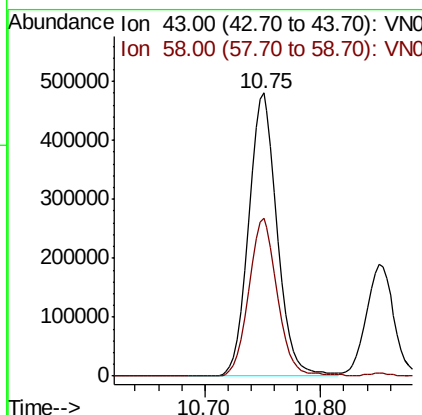
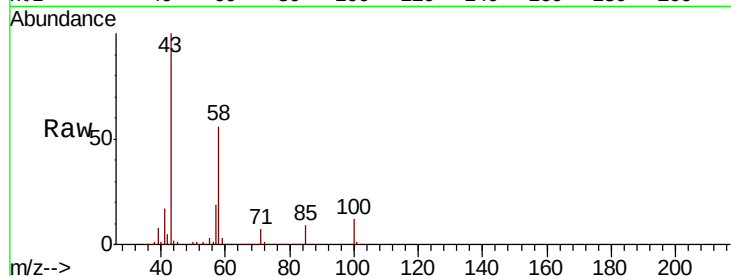




#59
2-Hexanone
Concen: 252.185 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

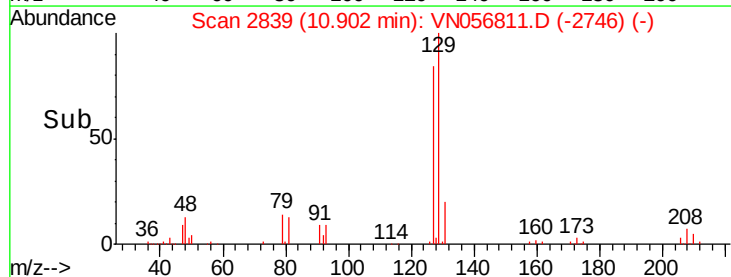
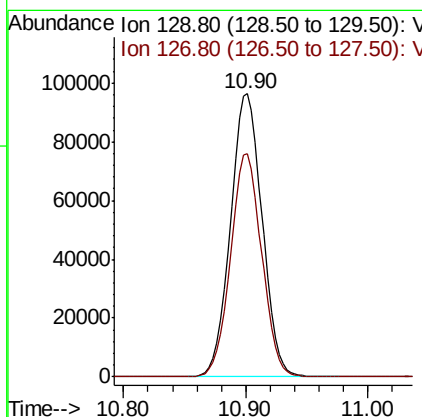
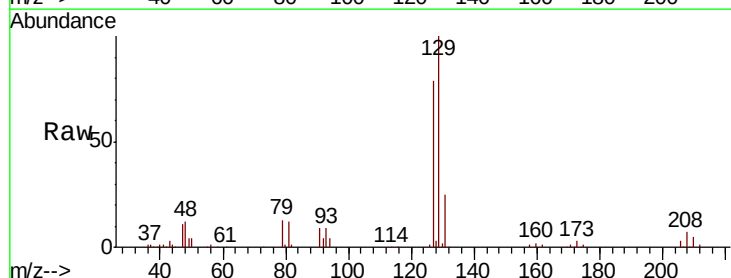
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

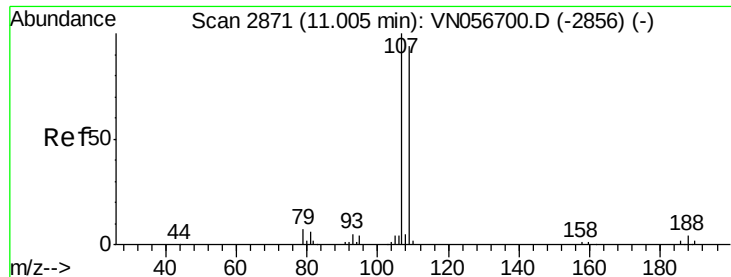
Tot Ion: 43 Resp: 822244
Ion Ratio Lower Upper
43 100
58 56.2 27.9 83.6



#60
Dibromochloromethane
Concen: 51.054 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 129 Resp: 173520
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.996 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

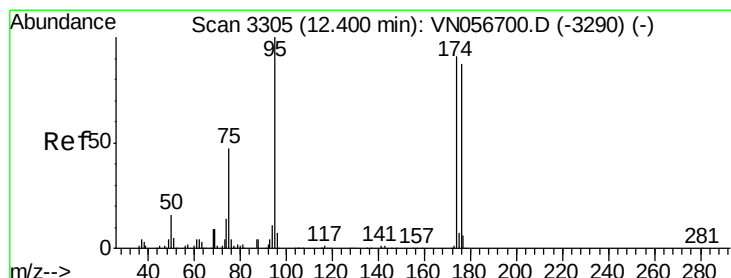
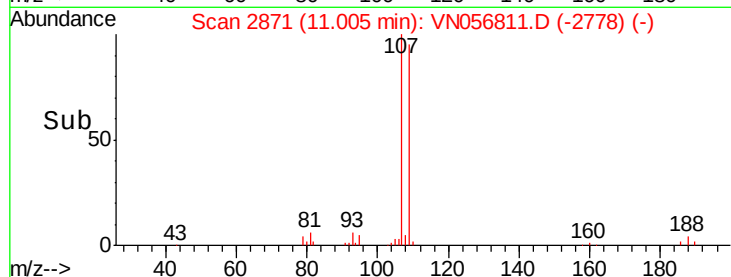
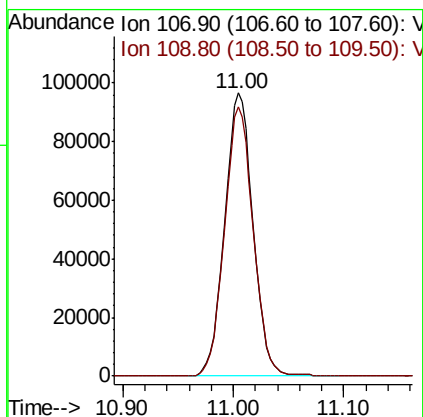
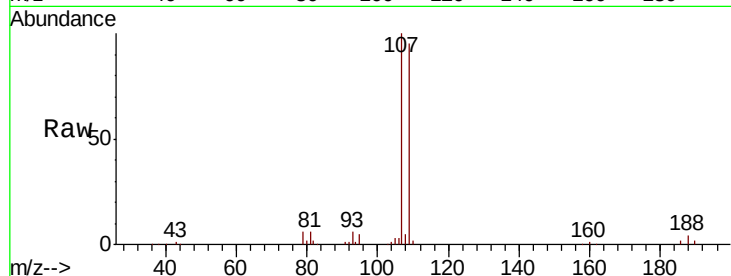
VSTDCCC050

Tot Ion:107 Resp: 171708

Ion Ratio Lower Upper

107 100

109 96.2 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 52.920 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

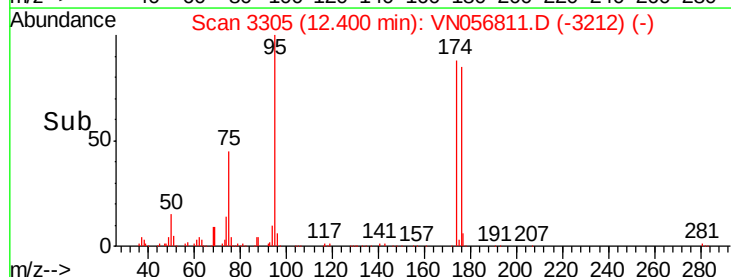
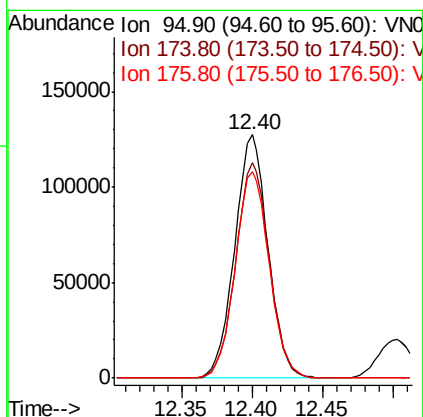
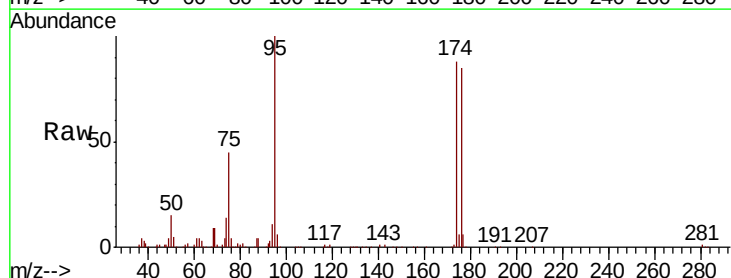
Tgt Ion: 95 Resp: 209889

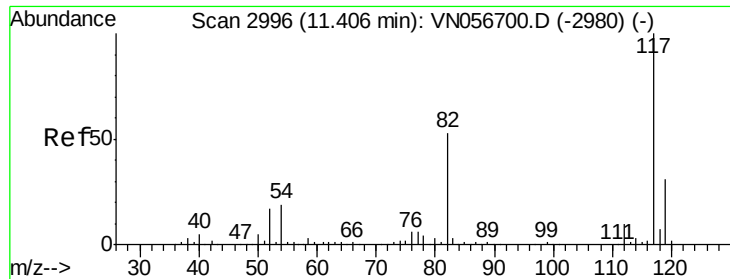
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

176 87.3 0.0 173.2

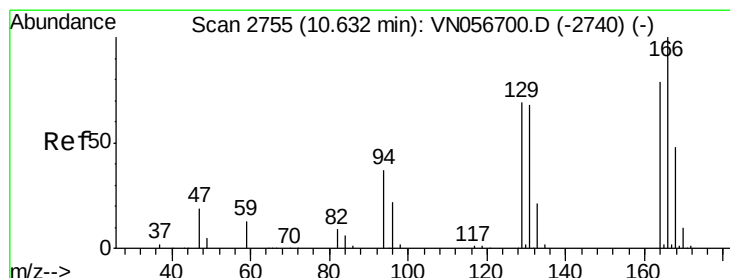
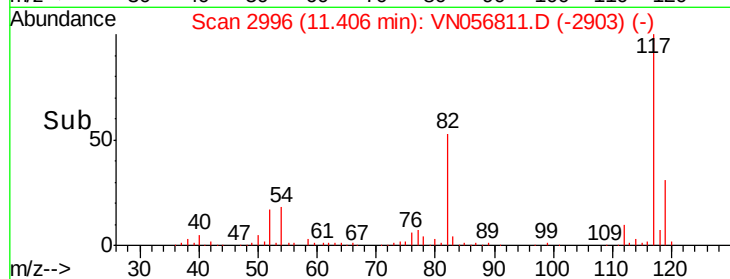
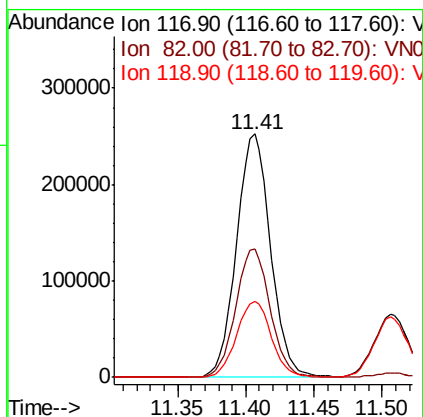
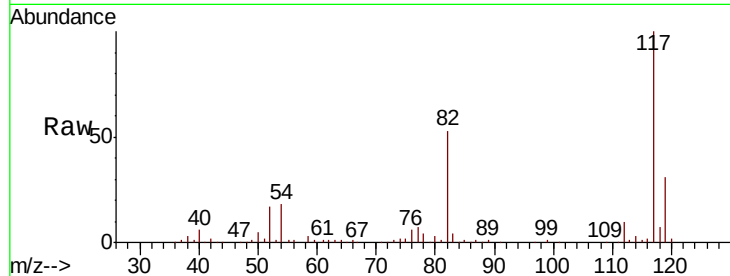




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

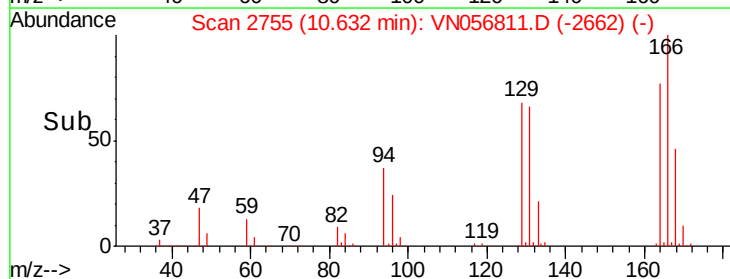
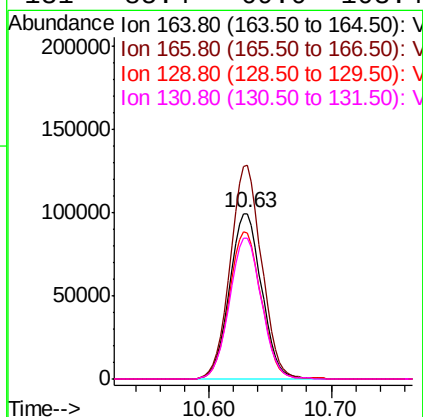
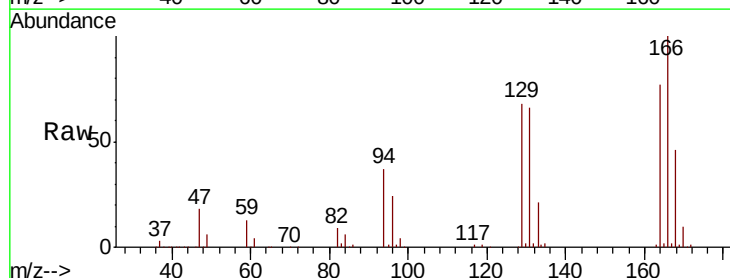
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

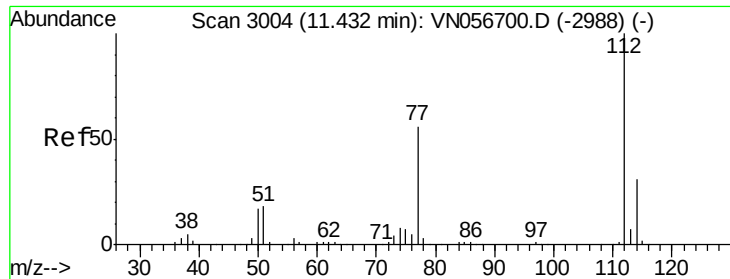
Tot Ion:117 Resp: 438095
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 48.263 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion:164 Resp: 182413
Ion Ratio Lower Upper
164 100
166 129.1 101.4 152.2
129 88.4 69.6 104.4
131 85.4 69.0 103.4

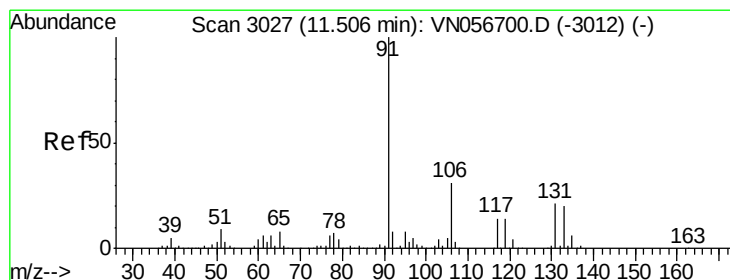
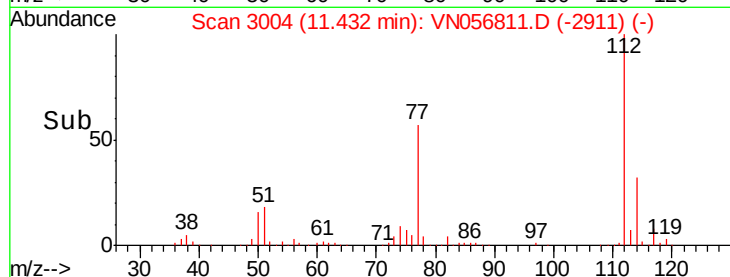
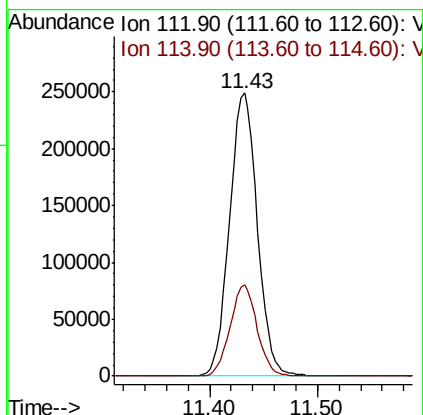
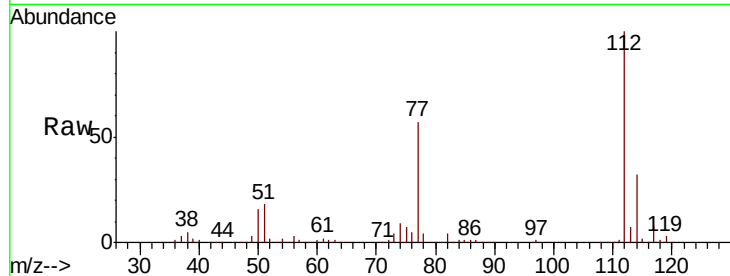




#65
Chlorobenzene
Concen: 49.946 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

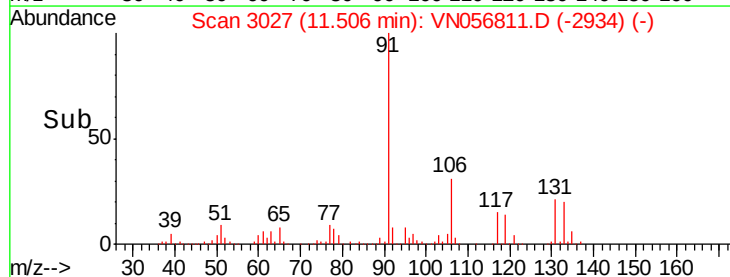
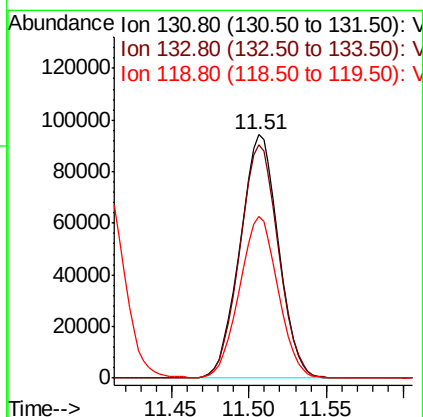
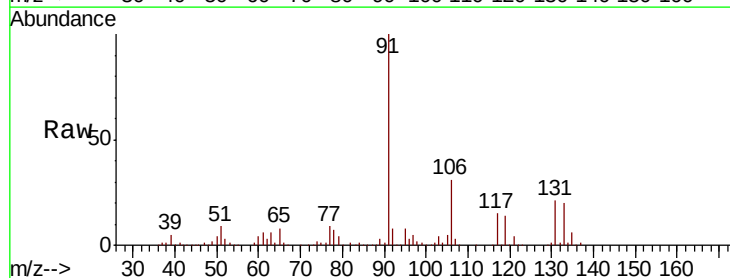
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

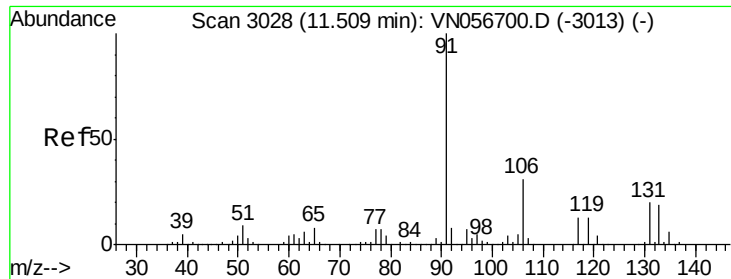
Tot Ion:112 Resp: 447411
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.518 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion:131 Resp: 163319
Ion Ratio Lower Upper
131 100
133 96.9 46.9 140.7
119 66.6 32.8 98.3

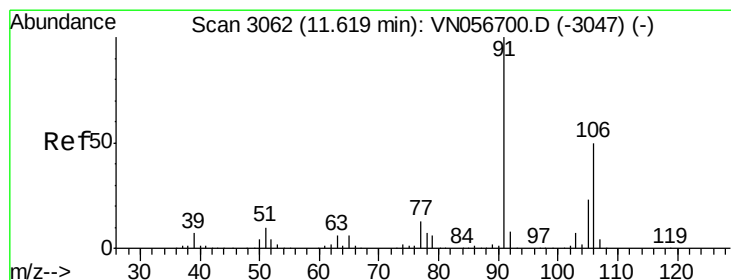
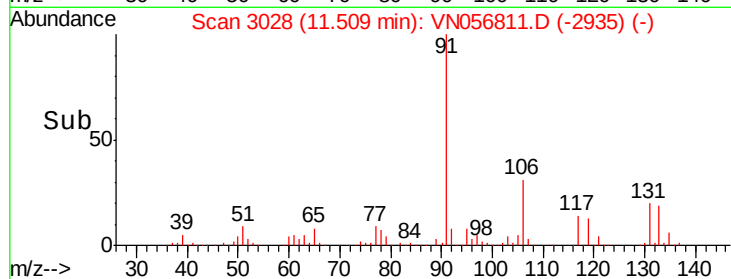
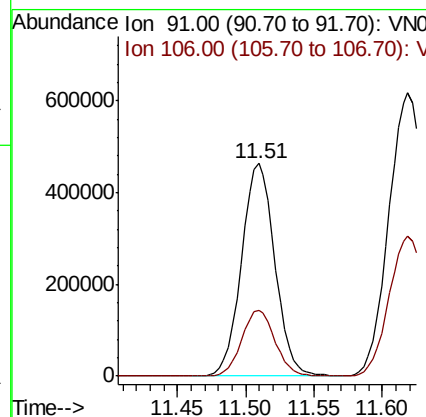
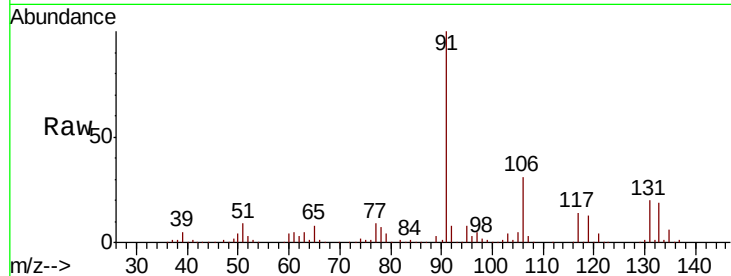




#67
Ethyl Benzene
Concen: 49.854 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

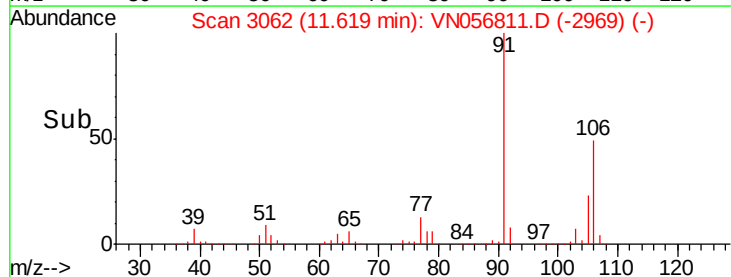
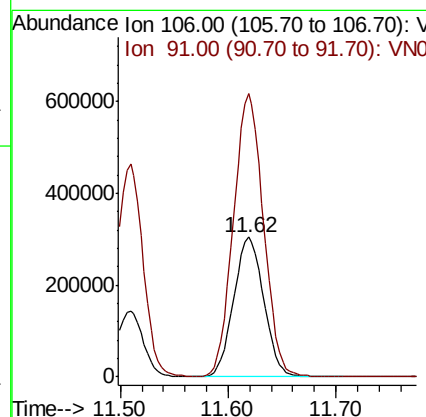
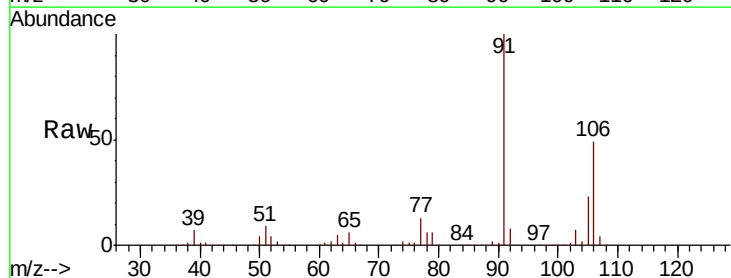
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

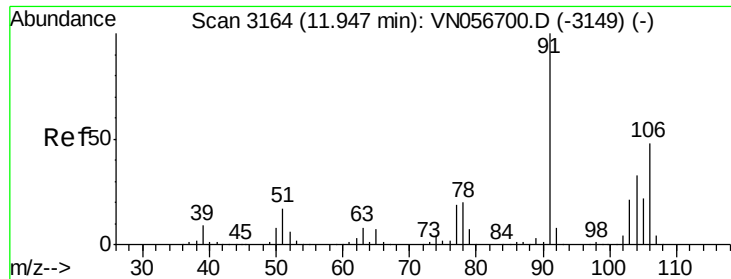
Tot Ion: 91 Resp: 784838
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 100.960 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 106 Resp: 593991
Ion Ratio Lower Upper
106 100
91 201.7 160.5 240.7

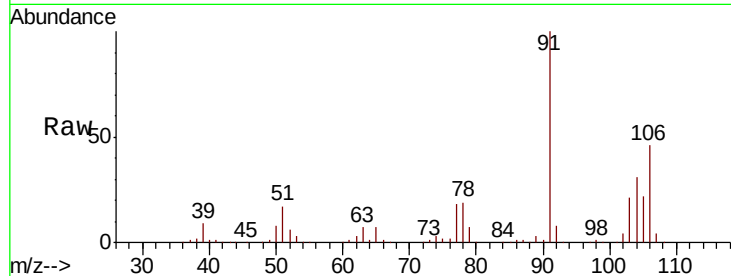




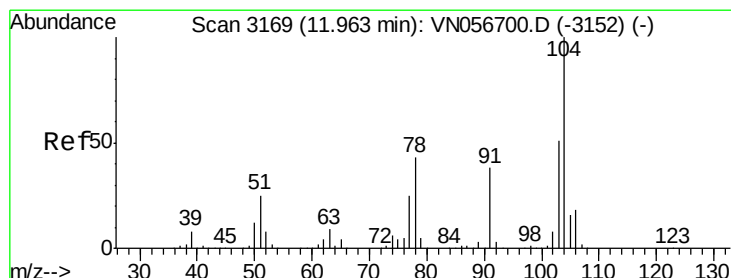
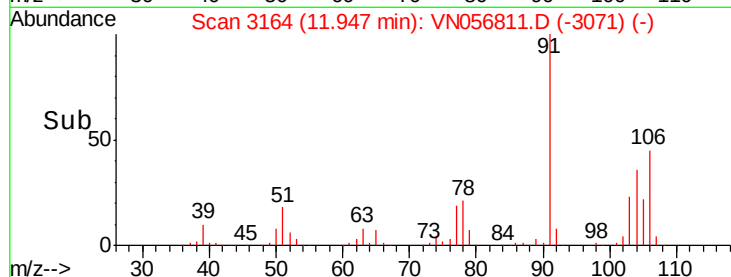
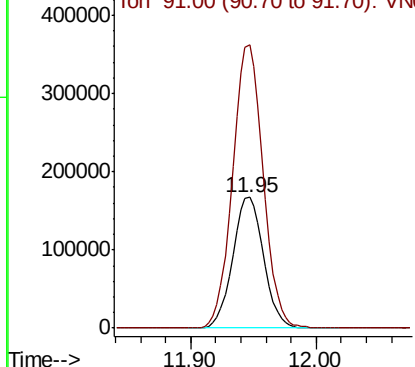
#69
o-Xylene
Concen: 49.249 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 284862
Ion Ratio Lower Upper
106 100
91 214.6 105.6 316.8

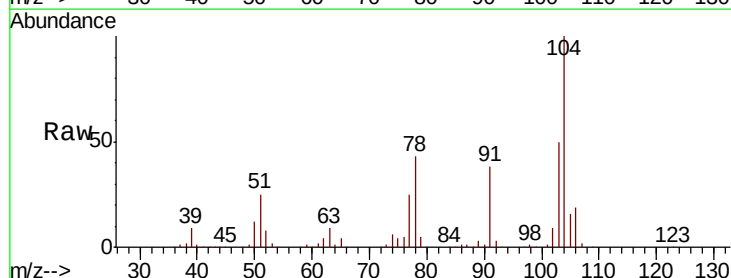


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

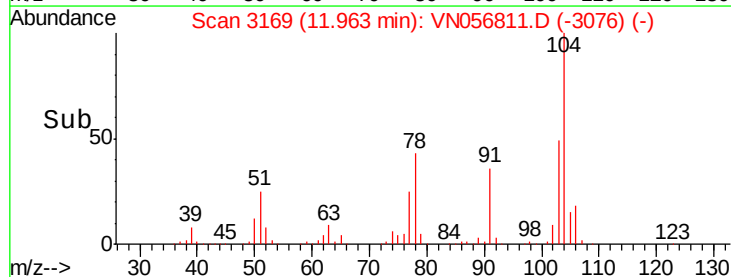
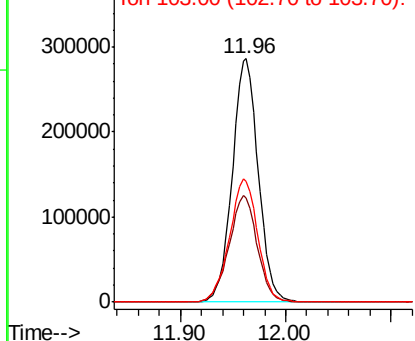


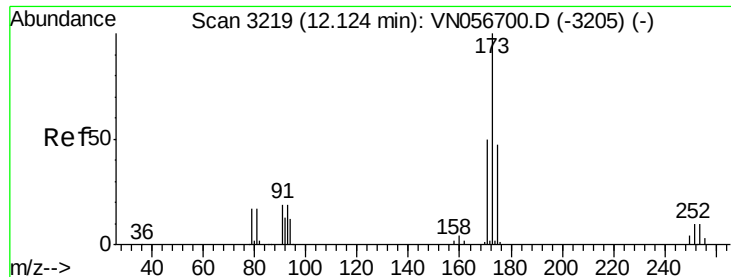
#70
Styrene
Concen: 52.006 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion:104 Resp: 486317
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 55.0 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

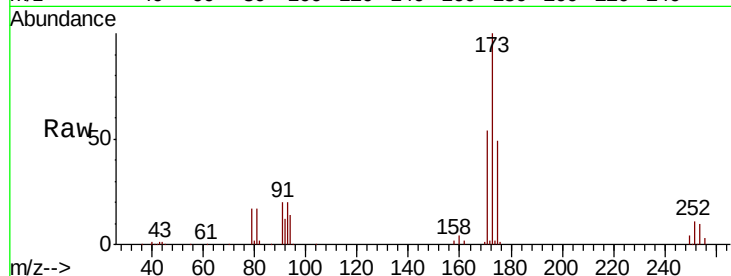




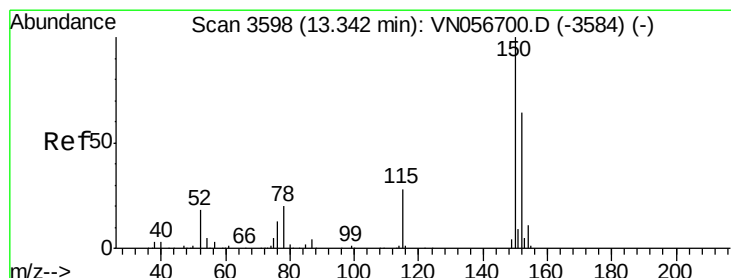
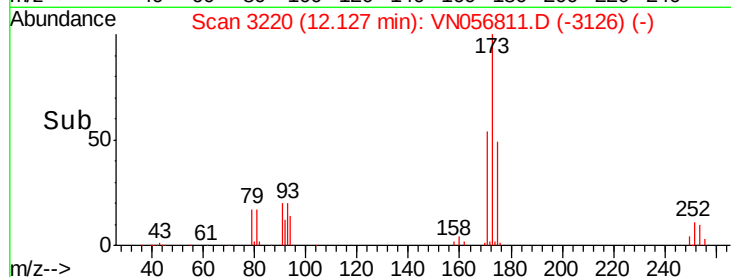
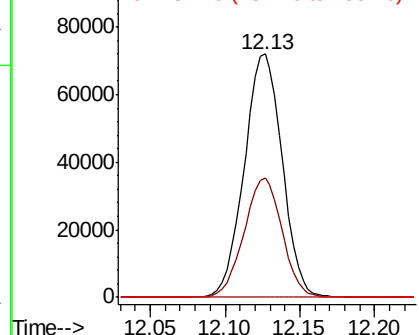
#71
Bromoform
Concen: 50.712 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 127263
Ion Ratio Lower Upper
173 100
175 49.0 23.8 71.4
254 0.0 0.0 0.0

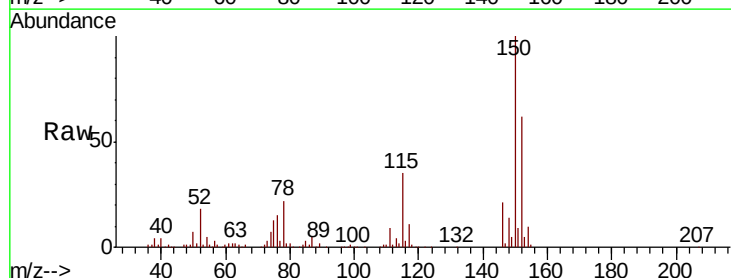


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

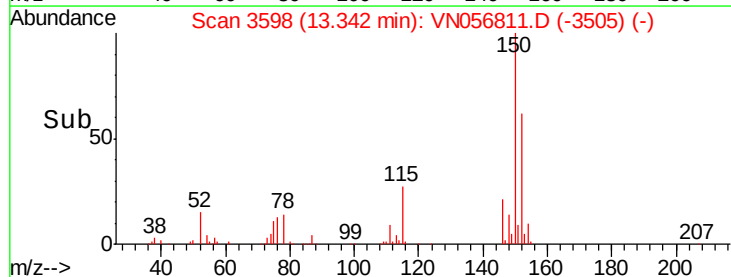
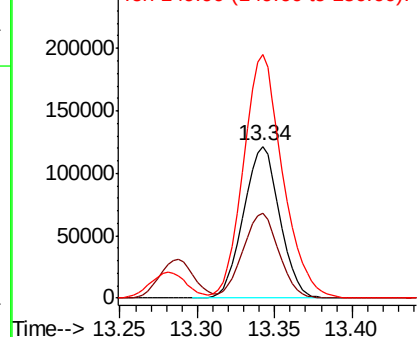


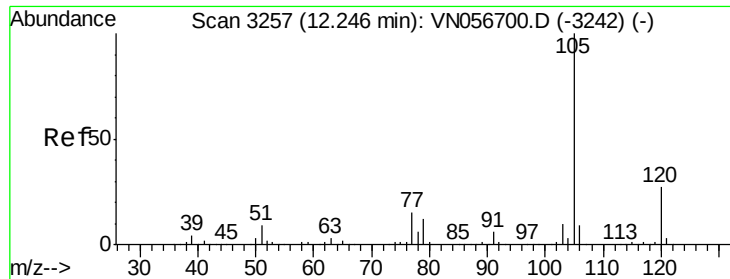
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056811.D
Acq: 18 Jul 2019 14:23

Tgt Ion:152 Resp: 197564
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 173.7 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: 48.306 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

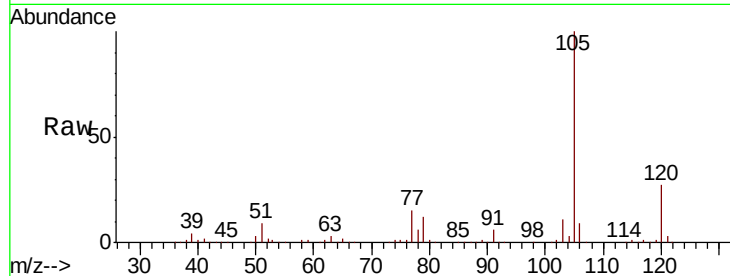
VSTDCCC050

Tot Ion:105 Resp: 769507

Ion Ratio Lower Upper

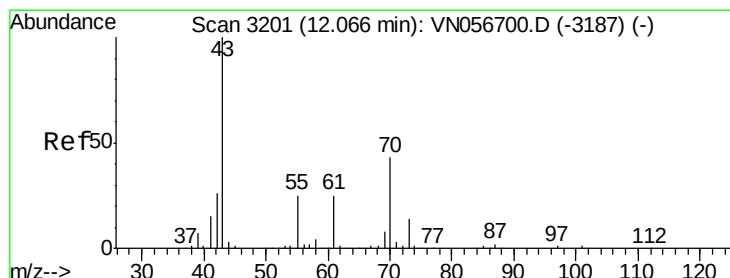
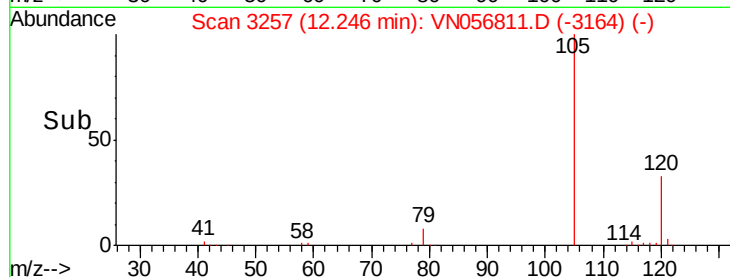
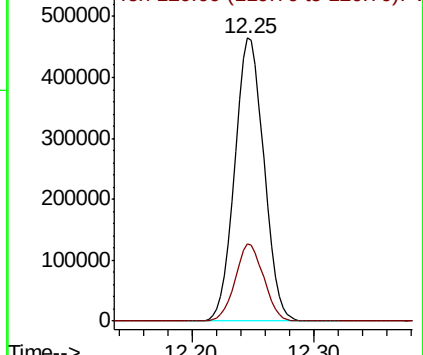
105 100

120 26.6 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-amyl acetate

Concen: 48.285 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Tgt Ion: 43 Resp: 286459

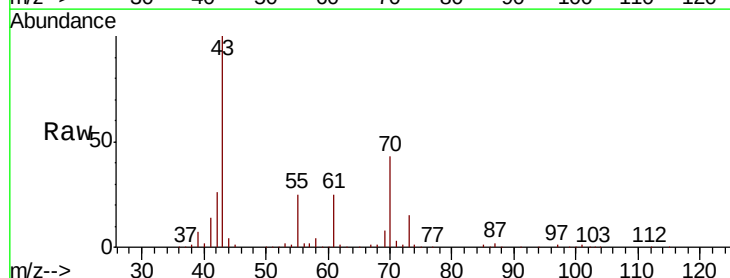
Ion Ratio Lower Upper

43 100

70 43.3 34.5 51.7

55 25.3 20.2 30.2

61 25.2 19.9 29.9

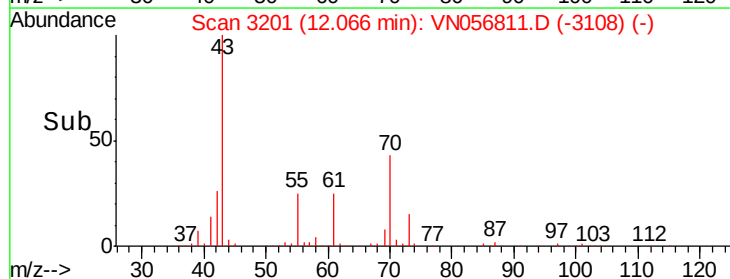
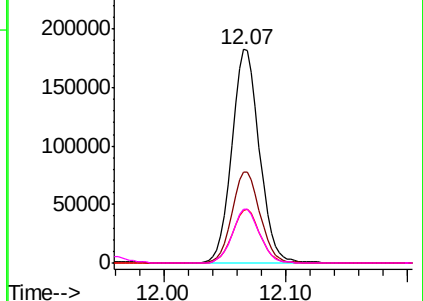


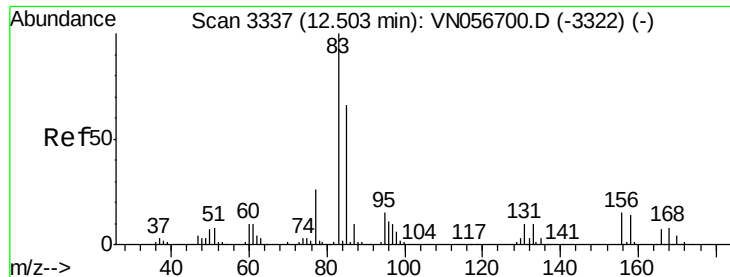
Abundance Ion 43.00 (42.70 to 43.70): V

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: 51.563 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

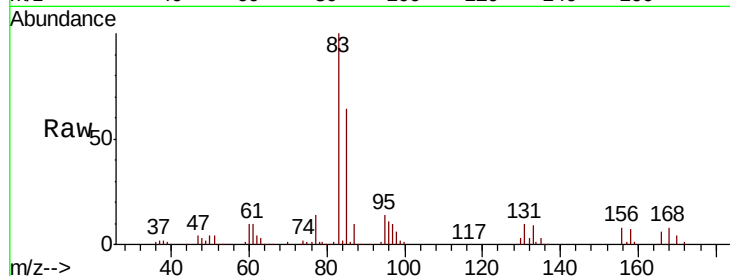
Tot Ion: 83 Resp: 237572

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

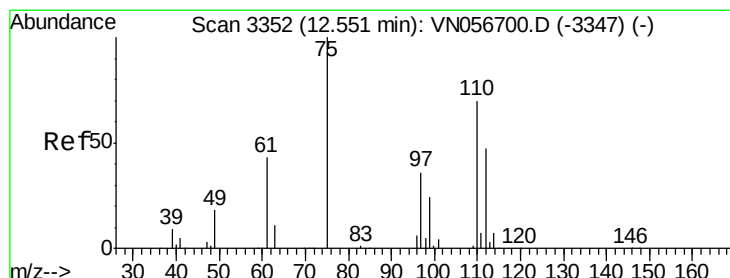
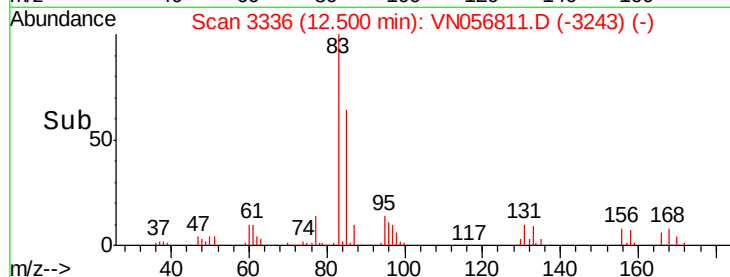
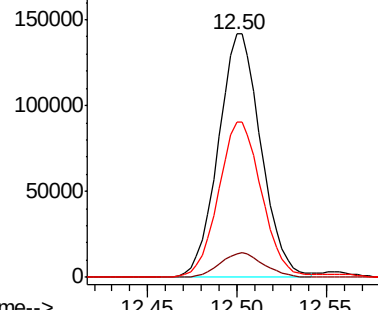
85 64.3 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN056700.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN056700.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN056700.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 68.519 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056811.D

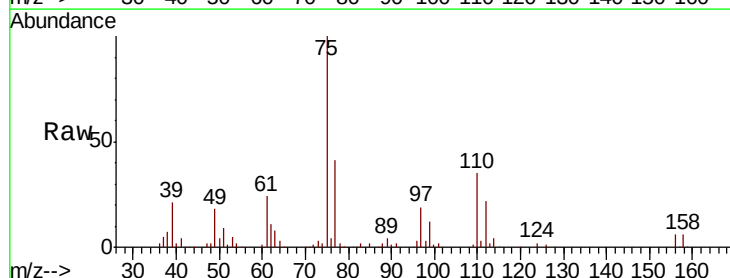
Acq: 18 Jul 2019 14:23

Tgt Ion: 75 Resp: 296074

Ion Ratio Lower Upper

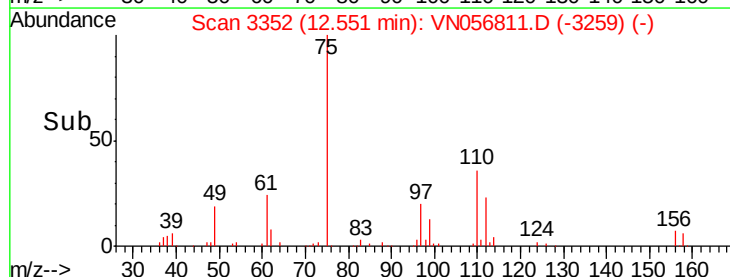
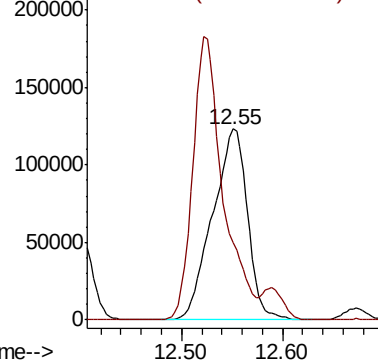
75 100

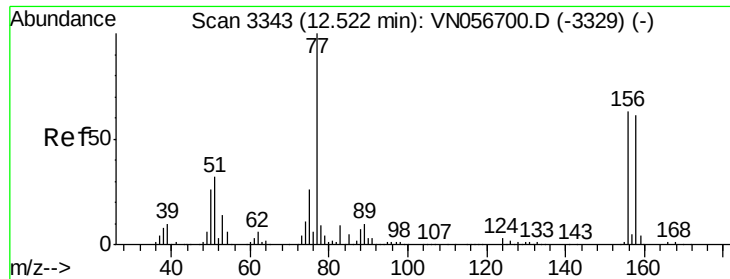
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056700.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN056700.D (-3347) (-)





#77

Bromobenzene

Concen: 47.985 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

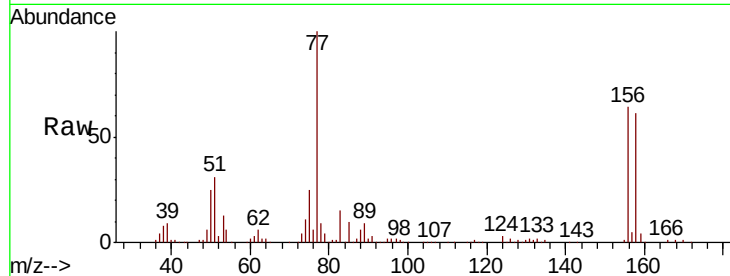
Tot Ion:156 Resp: 199934

Ion Ratio Lower Upper

156 100

77 190.1 97.2 291.6

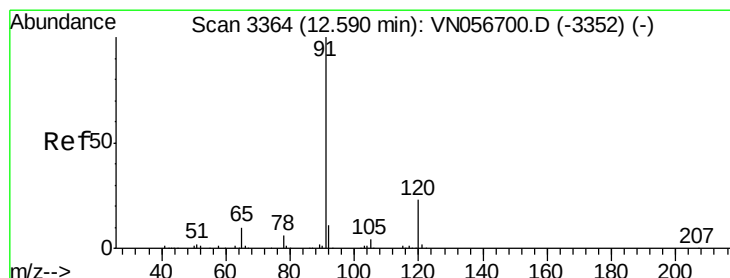
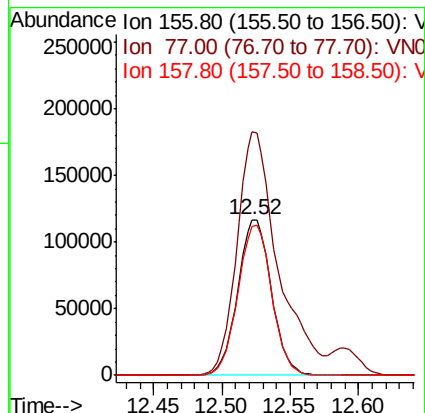
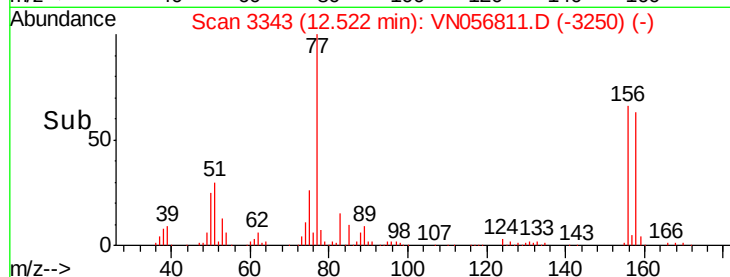
158 97.1 48.9 146.8



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: 48.634 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056811.D

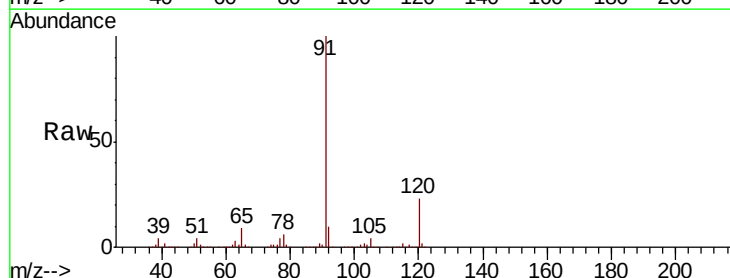
Acq: 18 Jul 2019 14:23

Tgt Ion: 91 Resp: 860081

Ion Ratio Lower Upper

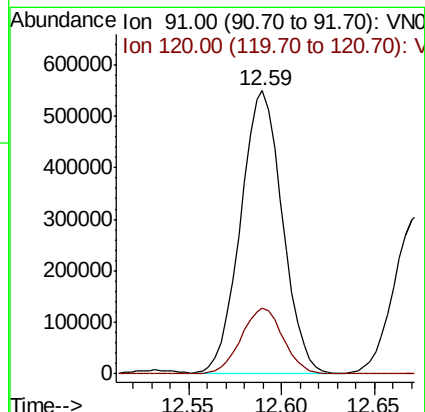
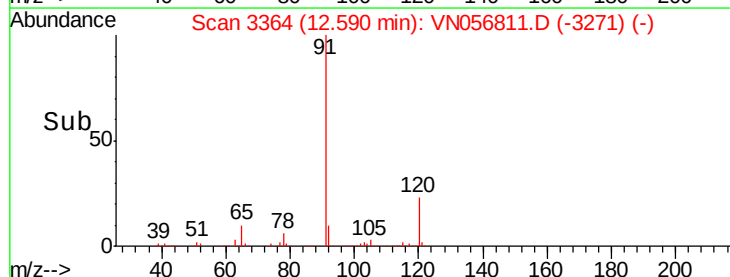
91 100

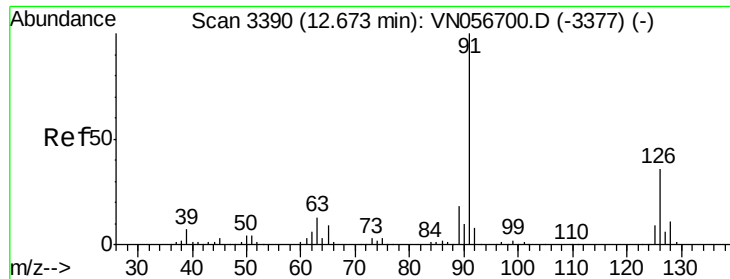
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.669 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

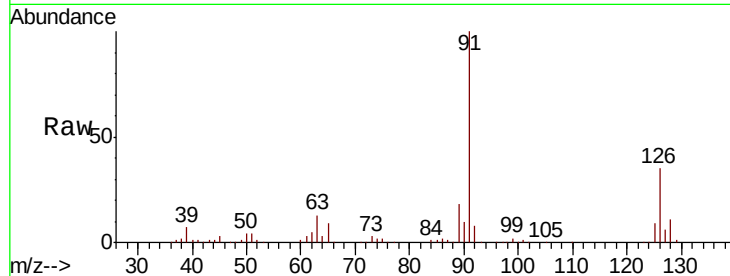
VSTDCCC050

Tot Ion: 91 Resp: 513857

Ion Ratio Lower Upper

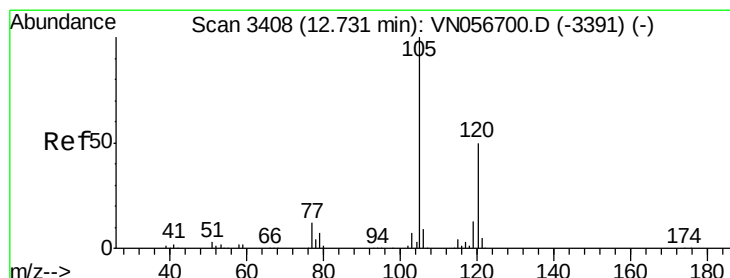
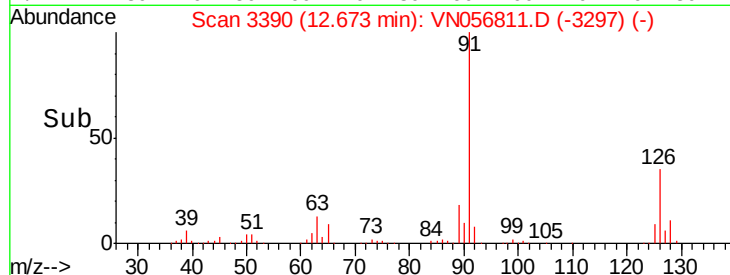
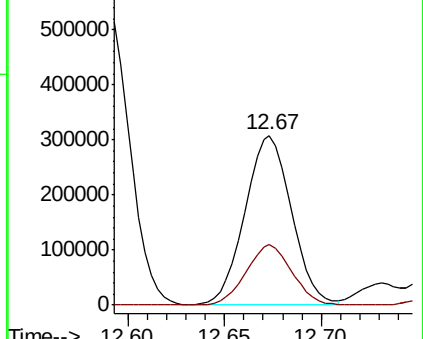
91 100

126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.444 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056811.D

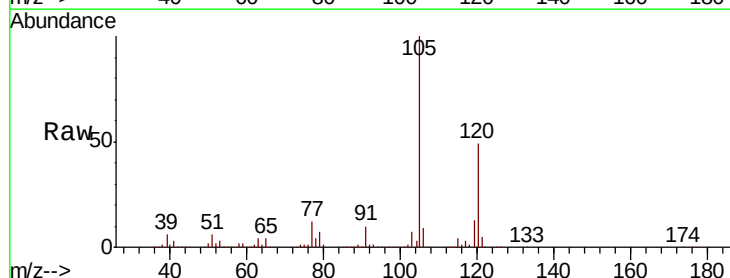
Acq: 18 Jul 2019 14:23

Tgt Ion: 105 Resp: 654046

Ion Ratio Lower Upper

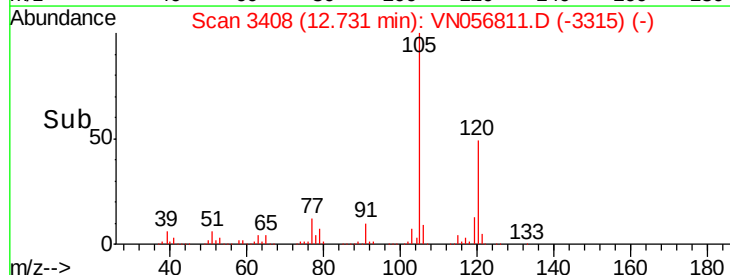
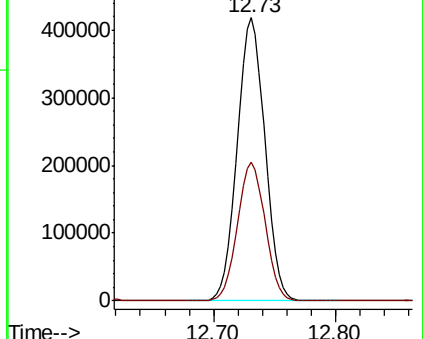
105 100

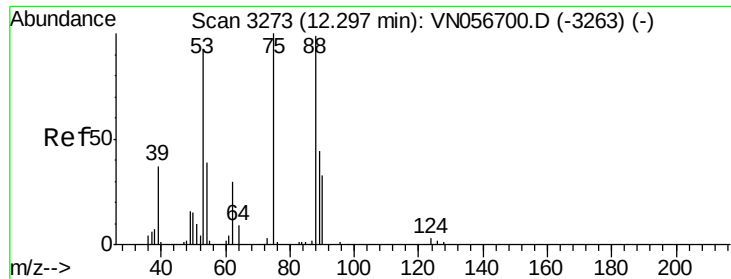
120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.521 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

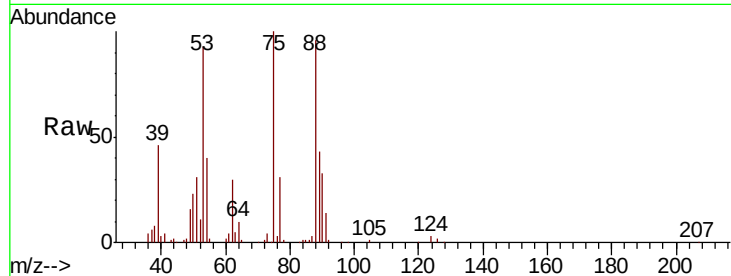
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 72085

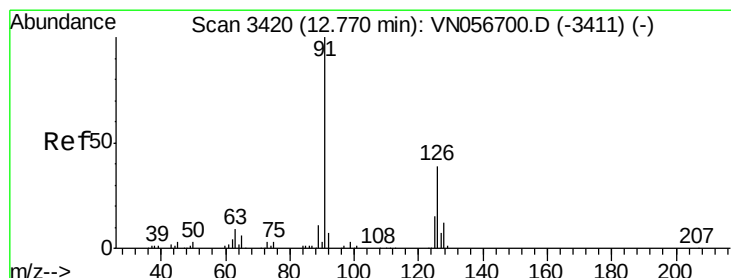
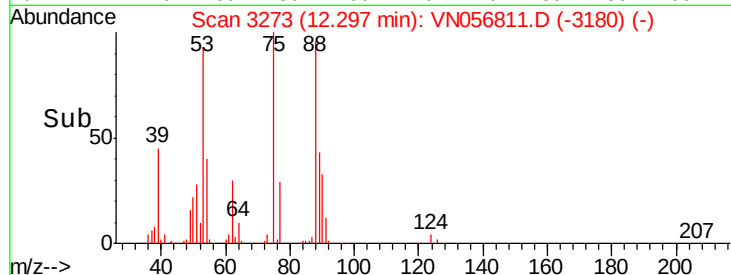
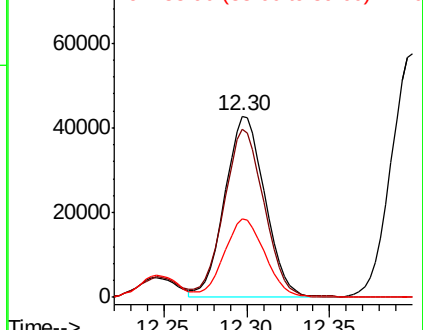
Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.7	110.5
89	43.9	36.2	54.2



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: 49.340 ug/l

RT: 12.77 min Scan# 3420

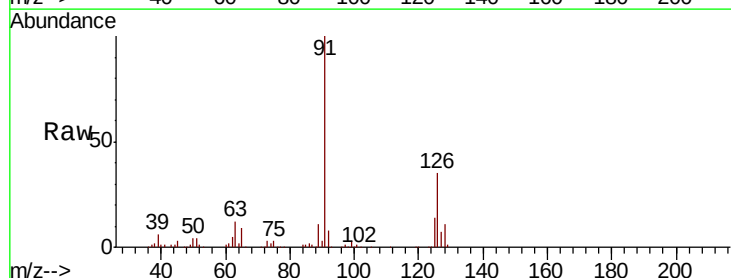
Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

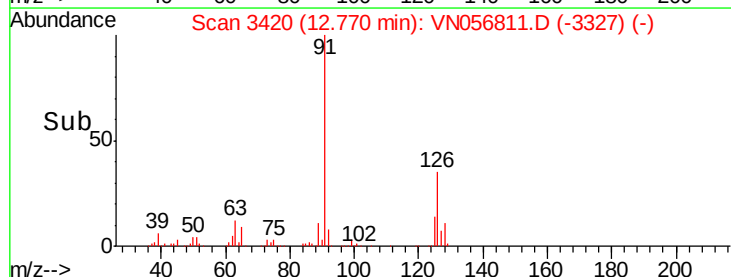
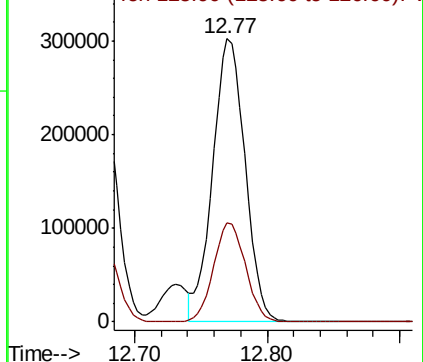
Tgt Ion: 91 Resp: 512064

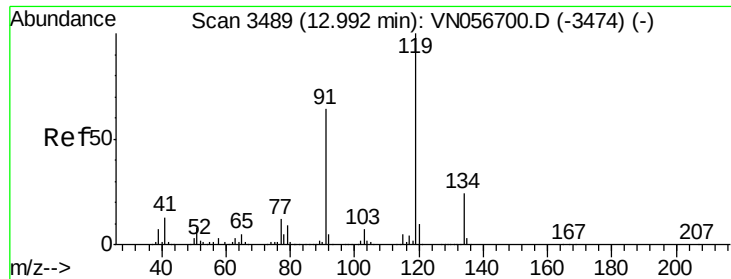
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.6	52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

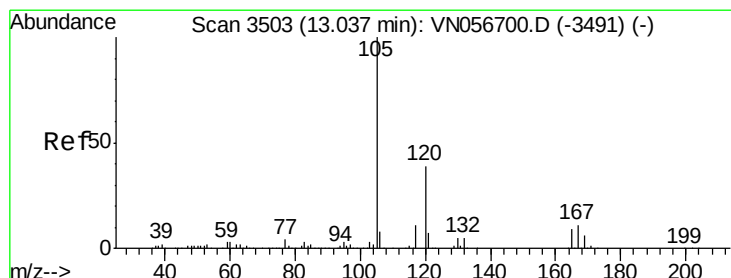
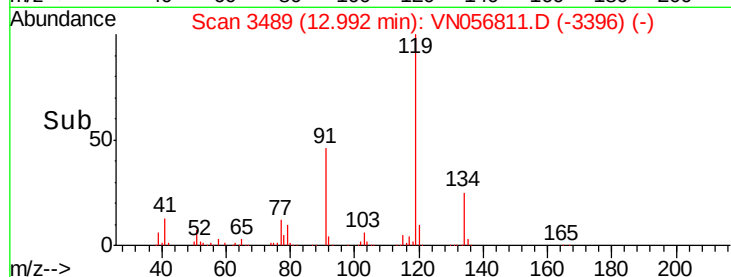
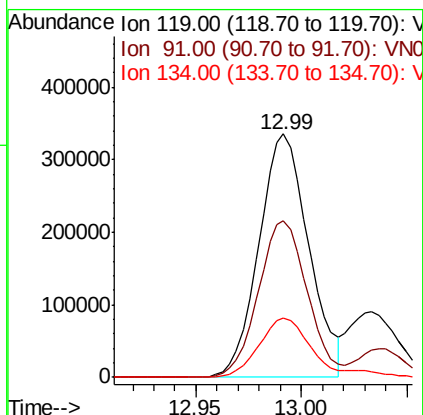
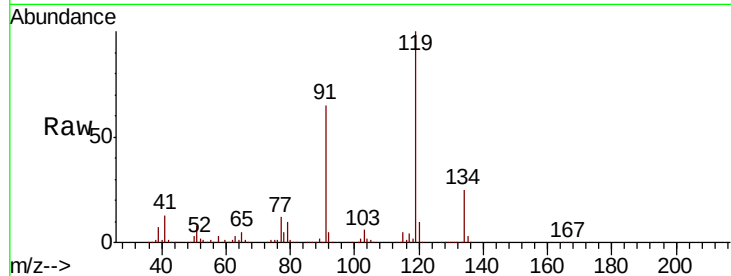




#83
 tert-Butylbenzene
 Concen: 52.565 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

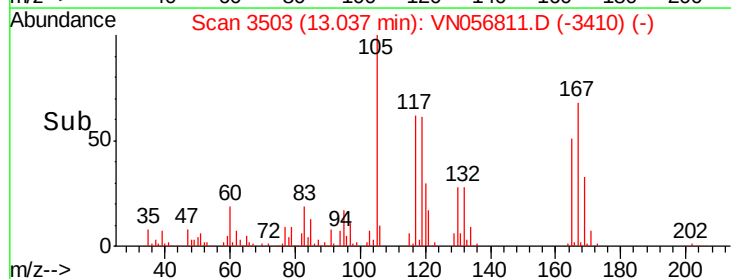
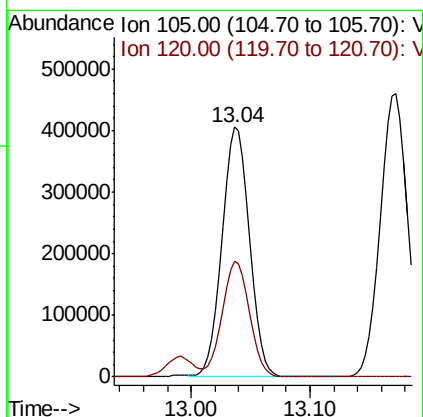
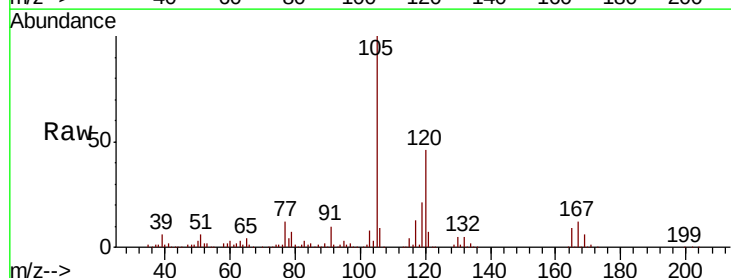
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

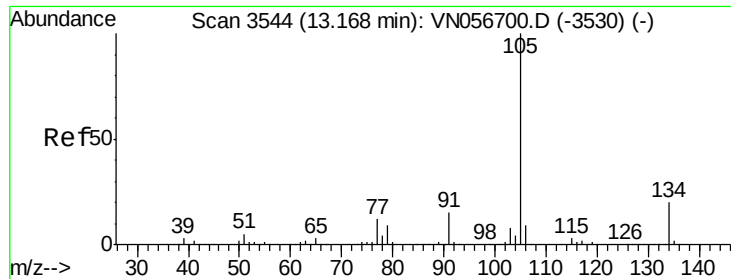
Tot Ion:119 Resp: 552451
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.8 95.4
 134 26.7 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.064 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion:105 Resp: 647140
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.139 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

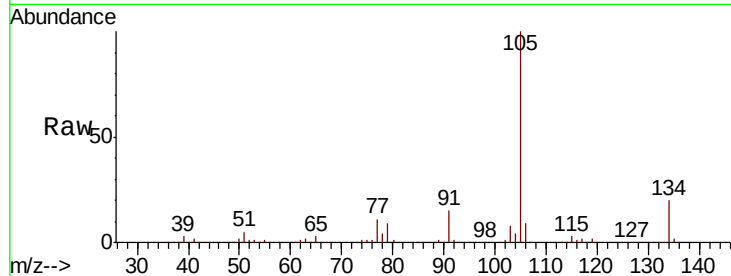
VSTDCCC050

Tot Ion:105 Resp: 737193

Ion Ratio Lower Upper

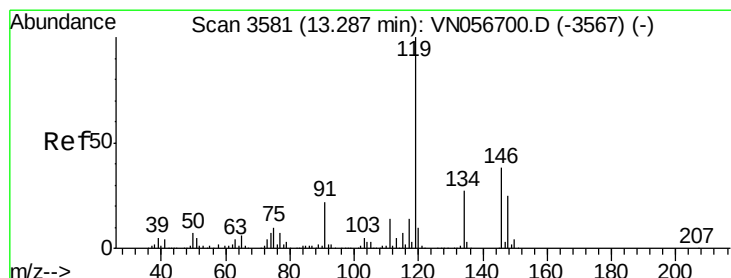
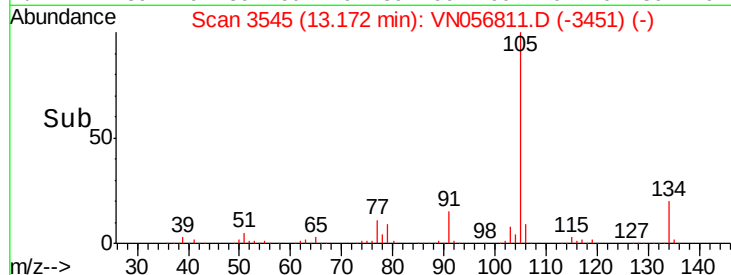
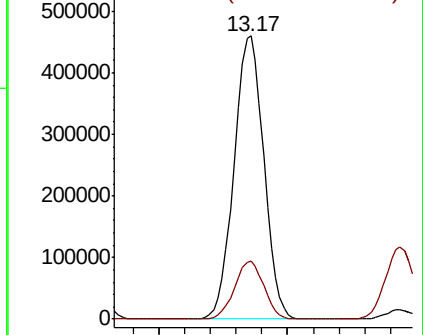
105 100

134 20.3 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: 49.772 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

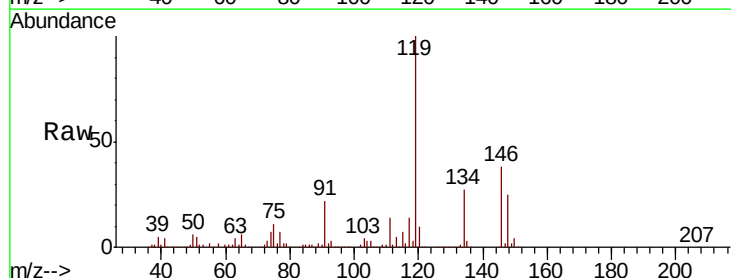
Tgt Ion:119 Resp: 676422

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

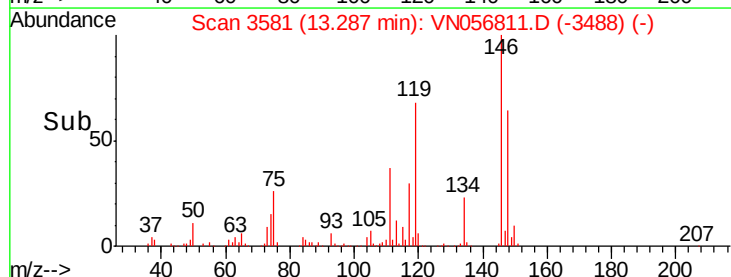
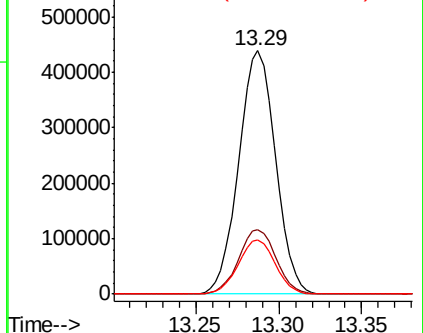
91 22.2 11.2 33.5

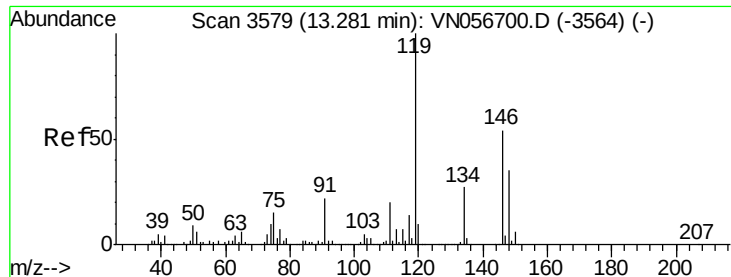


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.973 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

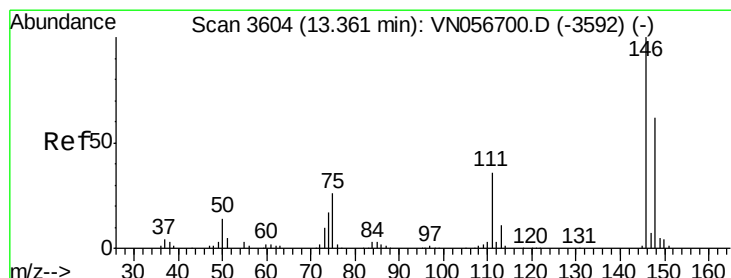
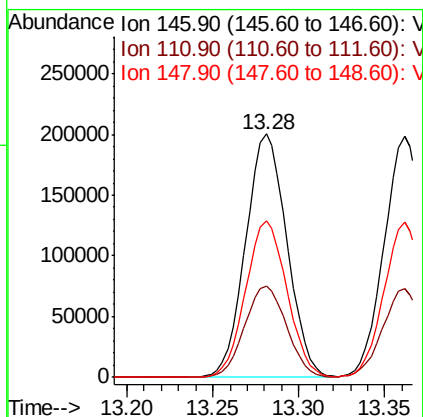
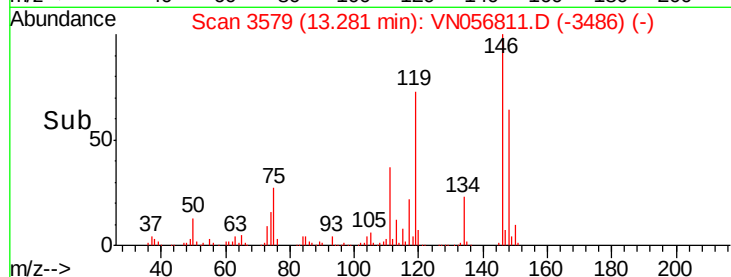
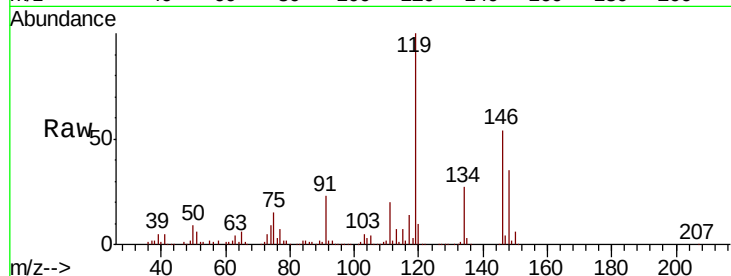
Tot Ion:146 Resp: 334404

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.3

148 64.5 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 49.157 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

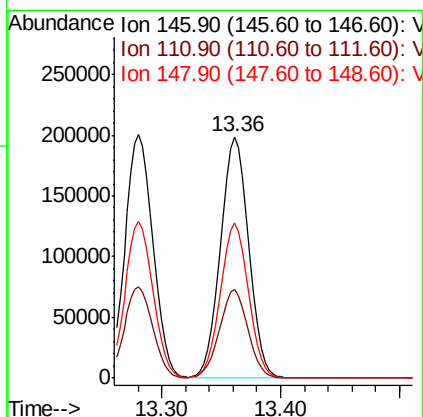
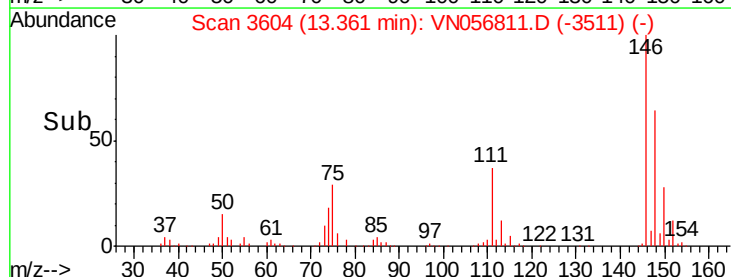
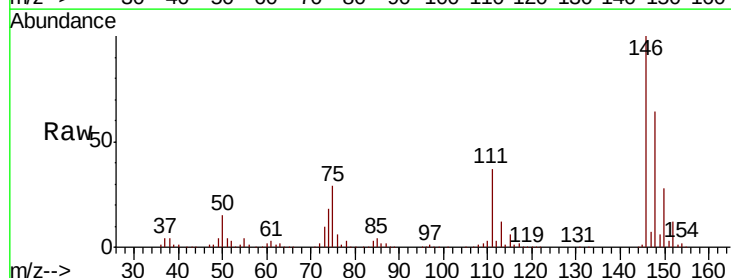
Tgt Ion:146 Resp: 326499

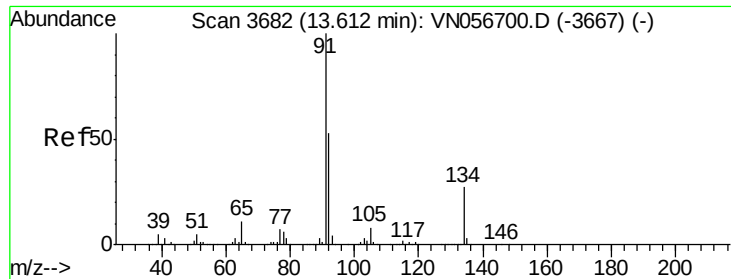
Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 51.265 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

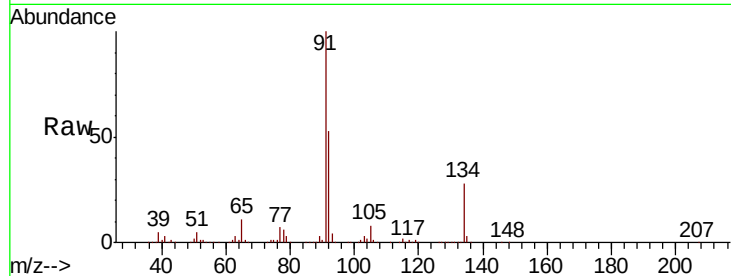
Tot Ion: 91 Resp: 561211

Ion Ratio Lower Upper

91 100

92 53.0 26.0 78.0

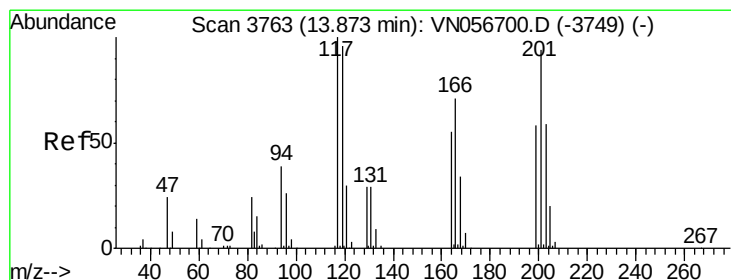
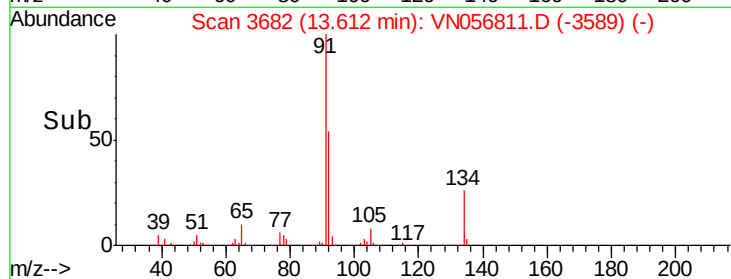
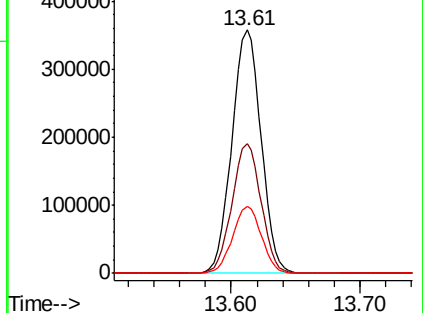
134 27.2 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056700.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056700.D (-3667) (-)



#90

Hexachloroethane

Concen: 49.292 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056811.D

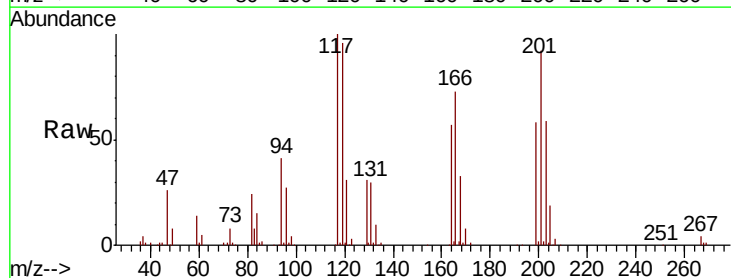
Acq: 18 Jul 2019 14:23

Tgt Ion: 117 Resp: 108332

Ion Ratio Lower Upper

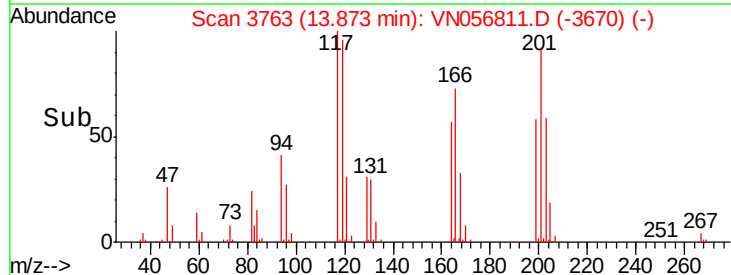
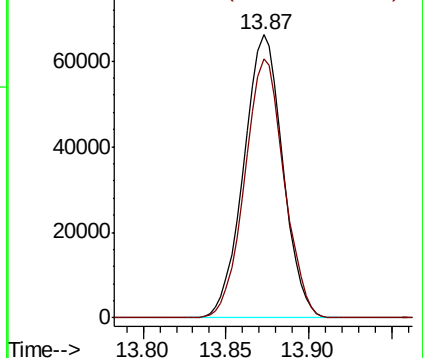
117 100

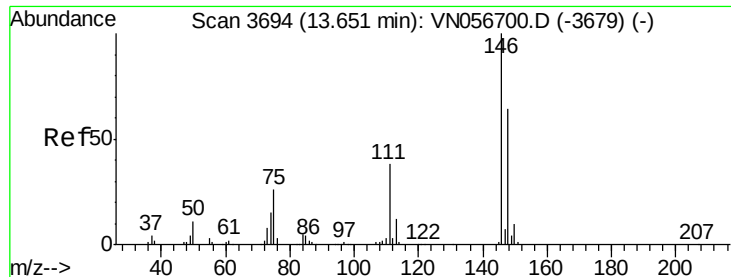
201 91.8 46.5 139.5



Abundance Ion 116.80 (116.50 to 117.50): VN056700.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056700.D (-3749) (-)

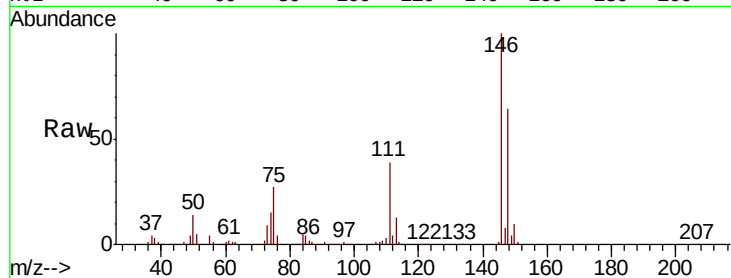




#91
 1,2-Dichlorobenzene
 Concen: 47.733 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.2	31.7	95.1

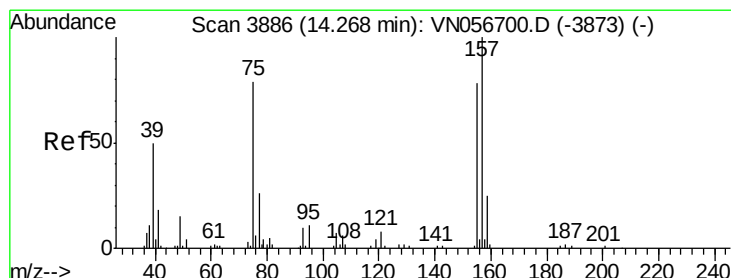
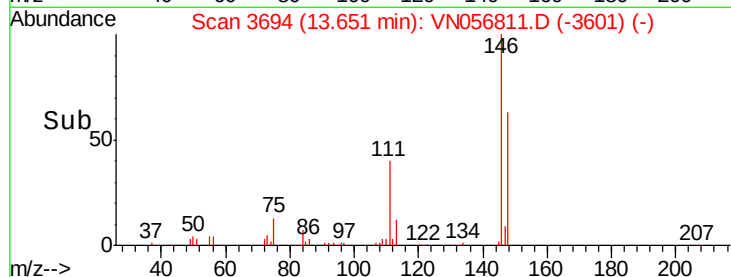
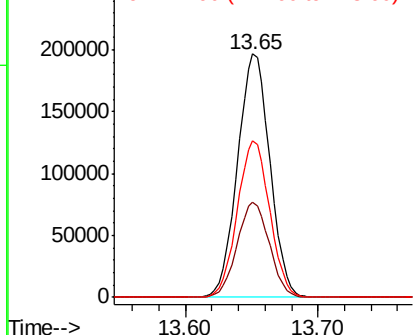


Abundance

Ion 145.90 (145.60 to 146.60): V

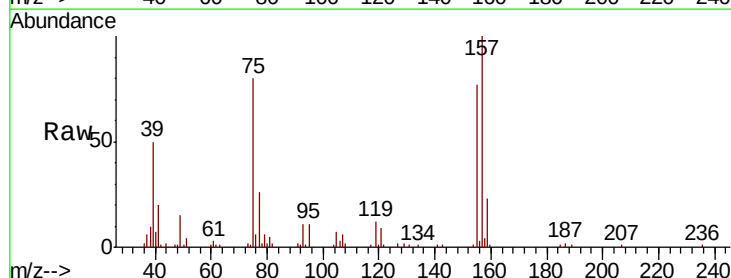
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.378 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	49.3	147.9
157	124.9	62.4	187.1

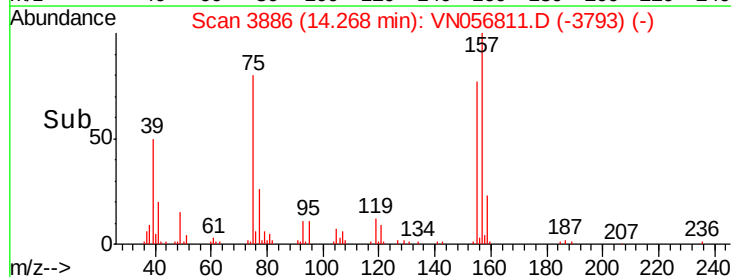
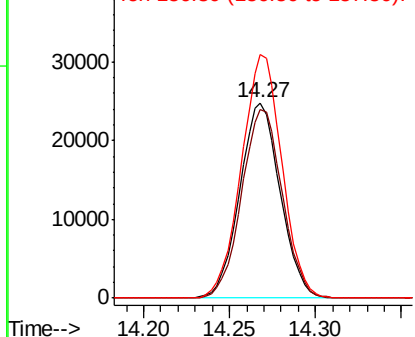


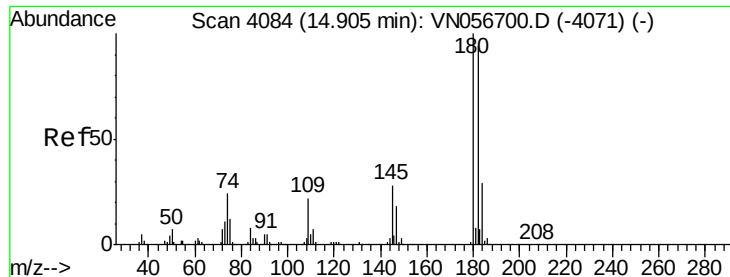
Abundance

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

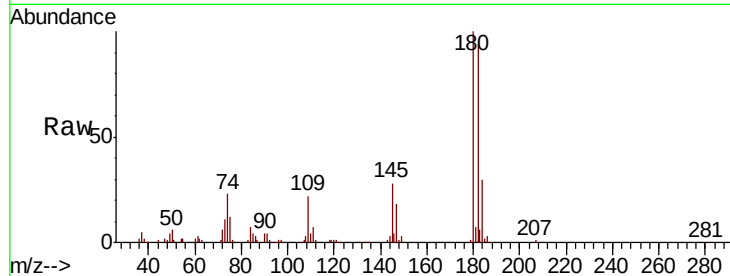




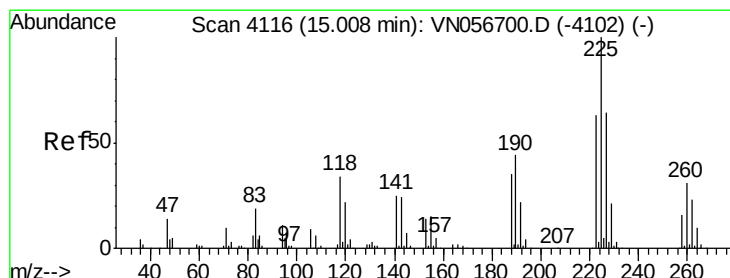
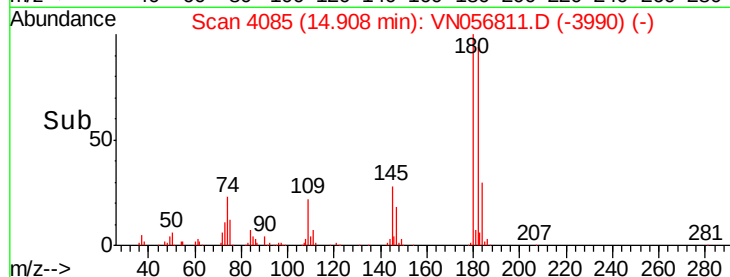
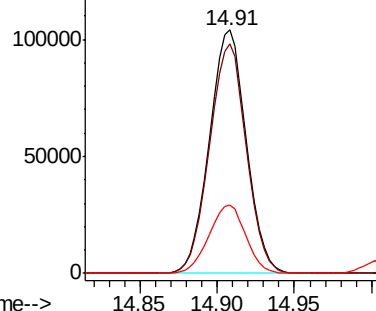
#93
 1,2,4-Trichlorobenzene
 Concen: 44.980 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 171996
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.2 141.6
 145 28.2 14.2 42.8

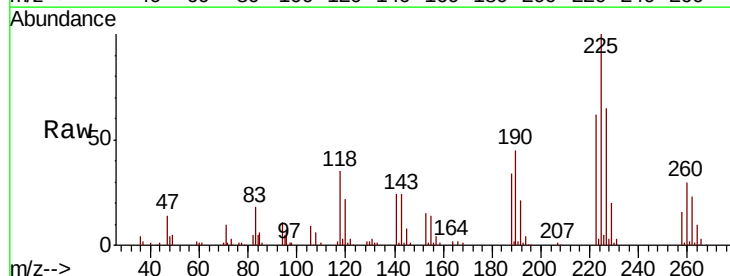


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

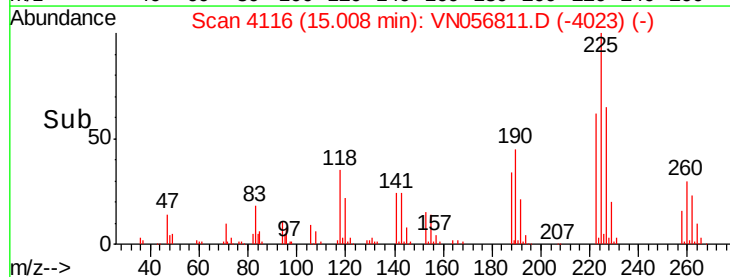
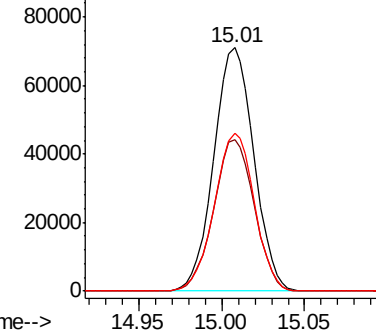


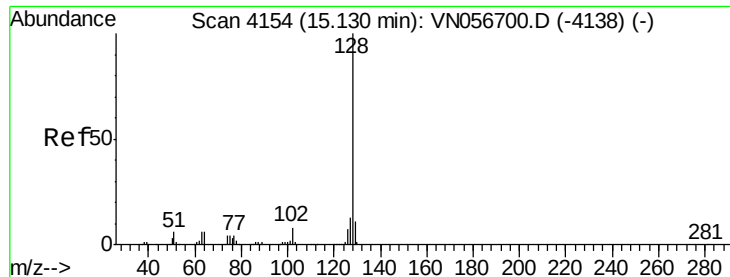
#94
 Hexachlorobutadiene
 Concen: 54.425 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056811.D
 Acq: 18 Jul 2019 14:23

Tgt Ion:225 Resp: 119164
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.5 94.5
 227 64.9 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: 40.737 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

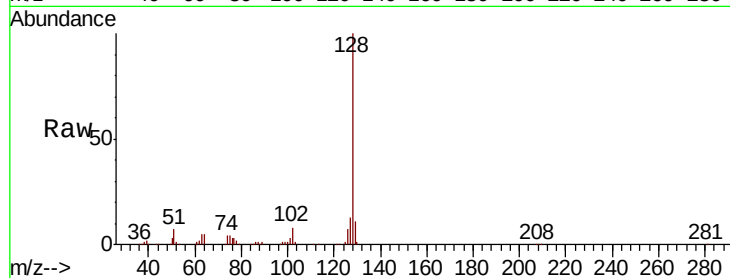
Tot Ion:128 Resp: 421449

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

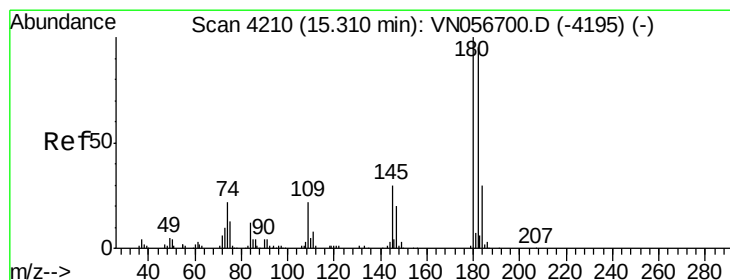
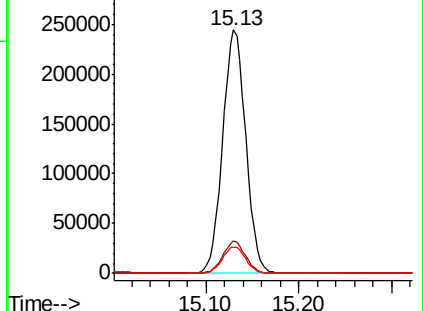
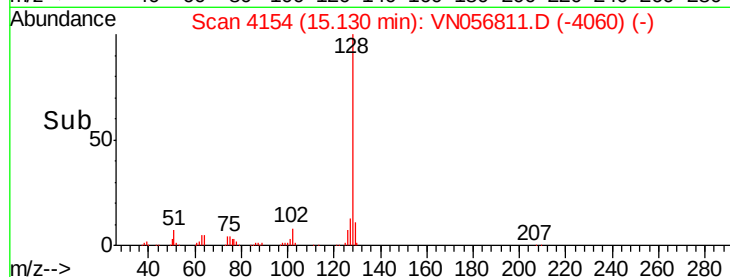
129 10.9 8.7 13.1



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: 45.033 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056811.D

Acq: 18 Jul 2019 14:23

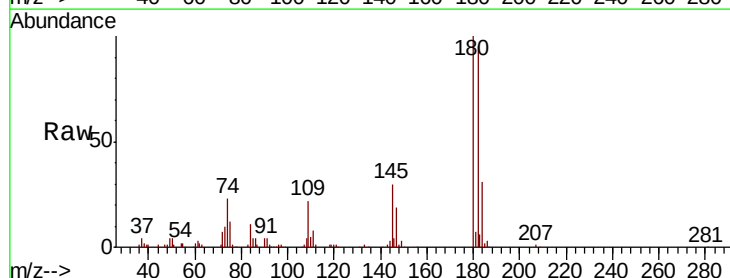
Tgt Ion:180 Resp: 171147

Ion Ratio Lower Upper

180 100

182 96.3 47.1 141.3

145 29.8 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

