

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056701.D
 Acq On : 15 Jul 2019 10:20
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Jul 16 01:10:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	374103	99.93	ug/l	0.00
Spiked Amount			Recovery	=	199.86%	
35) Dibromofluoromethane	7.59	113	326903	101.15	ug/l	0.00
Spiked Amount			Recovery	=	202.30%	
50) Toluene-d8	10.09	98	1293377	102.82	ug/l	0.00
Spiked Amount			Recovery	=	205.64%	
62) 4-Bromofluorobenzene	12.40	95	454261	108.13	ug/l	0.00
Spiked Amount			Recovery	=	216.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	301775	104.582	ug/l	99
3) Chloromethane	2.06	50	409416	103.883	ug/l	99
4) Vinyl Chloride	2.18	62	398205	104.688	ug/l	100
5) Bromomethane	2.53	94	231931	104.846	ug/l	100
6) Chloroethane	2.68	64	223813	102.018	ug/l	98
7) Trichlorofluoromethane	3.00	101	504359	102.606	ug/l	99
8) Diethyl Ether	3.41	74	206595	99.777	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	308930	99.053	ug/l	99
10) Methyl Iodide	3.95	142	459530	109.627	ug/l	100
11) Tert butyl alcohol	4.79	59	325695	516.997	ug/l	100
12) 1,1-Dichloroethene	3.73	96	312118	103.813	ug/l	98
13) Acrolein	3.60	56	107814	231.025	ug/l	97
14) Allyl chloride	4.32	41	557300	110.467	ug/l	100
15) Acrylonitrile	4.99	53	916120	520.771	ug/l	100
16) Acetone	3.82	43	816749	440.490	ug/l	100
17) Carbon Disulfide	4.05	76	853433	121.644	ug/l	100
18) Methyl Acetate	4.32	43	385042	81.040	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1001719	100.925	ug/l	98
20) Methylene Chloride	4.55	84	360689	93.111	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	333190	102.621	ug/l	97
22) Diisopropyl ether	5.95	45	1088289	103.225	ug/l	98
23) Vinyl Acetate	5.89	43	4638718	557.568	ug/l	99
24) 1,1-Dichloroethane	5.85	63	615545	101.862	ug/l	99
25) 2-Butanone	6.83	43	1260769	506.804	ug/l	100
26) 2,2-Dichloropropane	6.82	77	459726	108.433	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	388914	102.708	ug/l	99
28) Bromochloromethane	7.19	49	298729	100.744	ug/l	99
29) Tetrahydrofuran	7.21	42	814414	527.906	ug/l	98
30) Chloroform	7.37	83	601223	100.999	ug/l	99
31) Cyclohexane	7.65	56	585761	99.851	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	503161	106.319	ug/l	100
36) 1,1-Dichloropropene	7.79	75	469307	101.815	ug/l	100
37) Ethyl Acetate	6.93	43	483527	106.640	ug/l	99
38) Carbon Tetrachloride	7.77	117	441401	108.121	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	596476	104.535	ug/l	99
40) Benzene	8.04	78	1434902	101.140	ug/l	99
41) Methacrylonitrile	7.21	41	698735	352.378	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	454326	97.478	ug/l	100
43) Isopropyl Acetate	8.17	43	773459	110.174	ug/l	99
44) Trichloroethene	8.83	130	385517	101.279	ug/l	97
45) 1,2-Dichloropropane	9.12	63	388068	102.352	ug/l	98
46) Dibromomethane	9.21	93	244626	103.238	ug/l	99
47) Bromodichloromethane	9.40	83	466380	110.002	ug/l	100
48) Methyl methacrylate	9.20	41	379487	107.679	ug/l	100
49) 1,4-Dioxane	9.20	88	152625	2103.199	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2444359	539.209	ug/l	99
52) Toluene	10.16	92	888313	102.514	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	526527	122.723	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	588857	115.638	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	351913	101.179	ug/l	99
56) Ethyl methacrylate	10.43	69	570740	111.466	ug/l	99
57) 1,3-Dichloropropane	10.71	76	598967	102.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1397649	712.727	ug/l	100
59) 2-Hexanone	10.75	43	1836183	549.276	ug/l	100
60) Dibromochloromethane	10.90	129	382902	119.586	ug/l	99
61) 1,2-Dibromoethane	11.00	107	380696	107.176	ug/l	98
64) Tetrachloroethene	10.63	164	371007	96.482	ug/l	99
65) Chlorobenzene	11.43	112	954901	98.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	353616	106.990	ug/l	99
67) Ethyl Benzene	11.51	91	1713524	100.596	ug/l	99
68) m/p-Xylenes	11.62	106	1291723	206.783	ug/l	99
69) o-Xylene	11.95	106	622010	100.668	ug/l	99
70) Styrene	11.96	104	1081180	109.376	ug/l	100
71) Bromoform	12.13	173	296106	126.343	ug/l #	99
73) Isopropylbenzene	12.25	105	1645513	81.945	ug/l	100
74) N-amyl acetate	12.07	43	669910	91.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	520904	82.813	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	667928	138.502	ug/l #	100
77) Bromobenzene	12.53	156	439053	86.145	ug/l	99
78) n-propylbenzene	12.59	91	1890341	90.073	ug/l	100
79) 2-Chlorotoluene	12.67	91	1116651	84.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1407224	85.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	174689	124.076	ug/l	93
82) 4-Chlorotoluene	12.77	91	1128597	91.153	ug/l	99
83) tert-Butylbenzene	12.99	119	1201159	80.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1426205	92.331	ug/l	99
85) sec-Butylbenzene	13.17	105	1595460	86.831	ug/l	100
86) p-Isopropyltoluene	13.29	119	1466189	92.635	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	753244	96.870	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	745952	98.638	ug/l	99
89) n-Butylbenzene	13.61	91	1283790	105.479	ug/l	99
90) Hexachloroethane	13.87	117	245657	98.763	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	740784	95.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	99602	114.996	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:03:16 2019
Response via : Initial Calibration

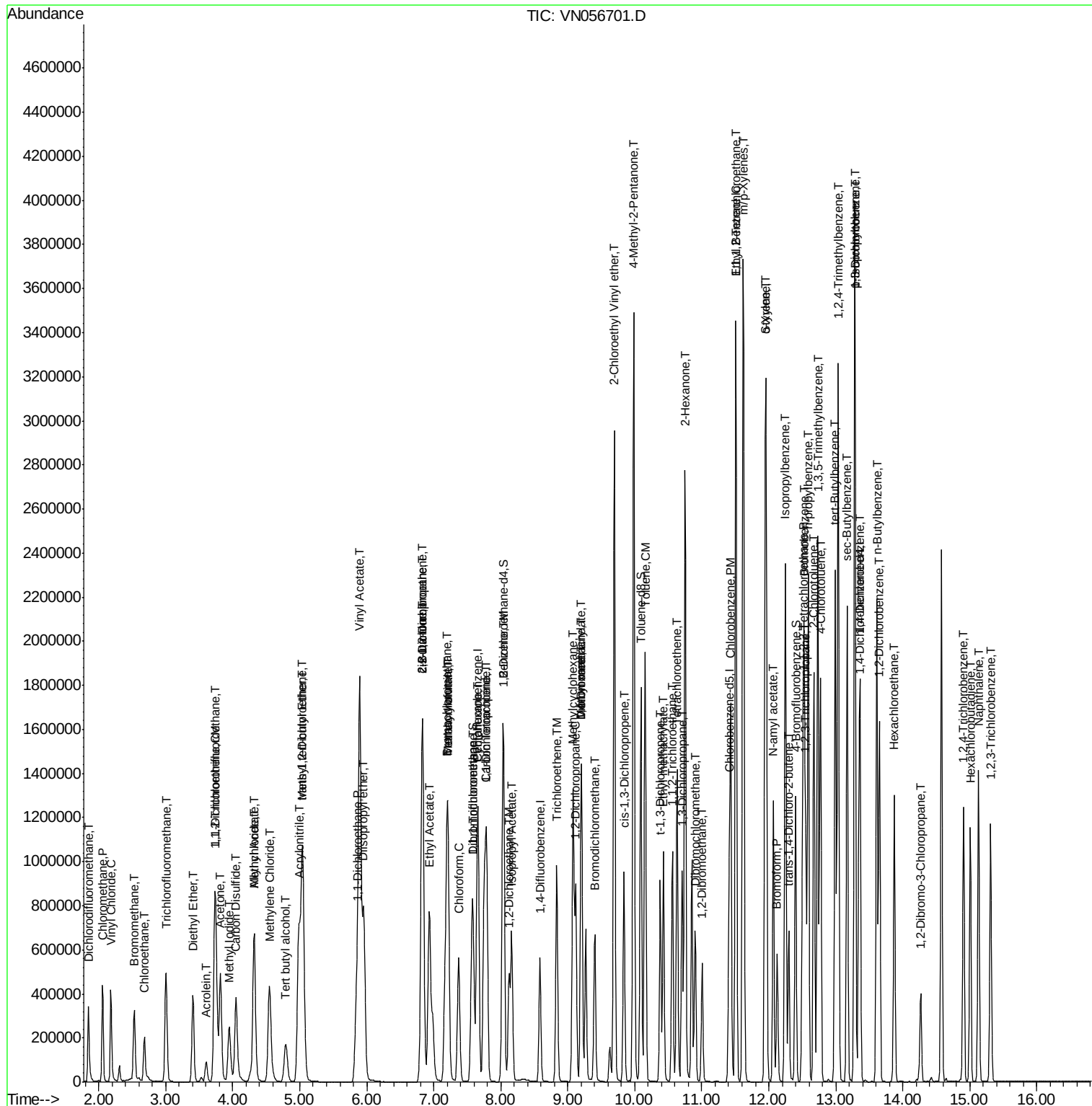
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	440734	132.140	ug/l	99
94) Hexachlorobutadiene	15.01	225	250284	85.407	ug/l	99
95) Naphthalene	15.13	128	1225247	139.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	434772	122.376	ug/l	98

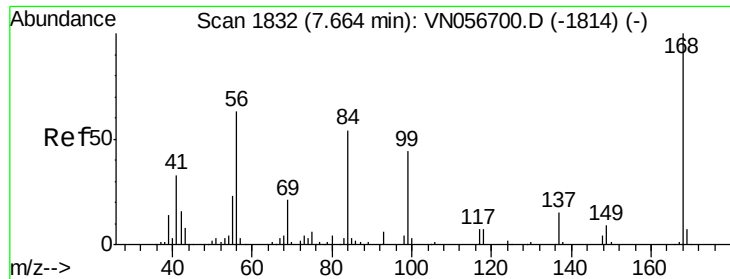
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

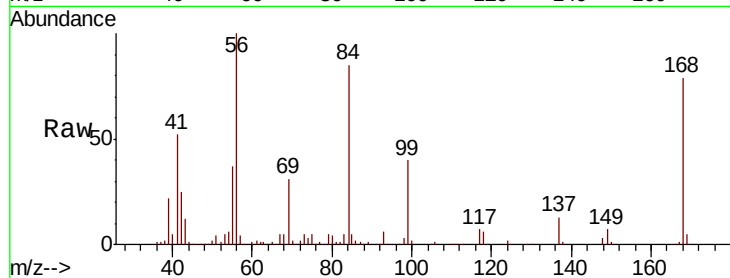
VSTDIC100

Tot Ion:168 Resp: 339104

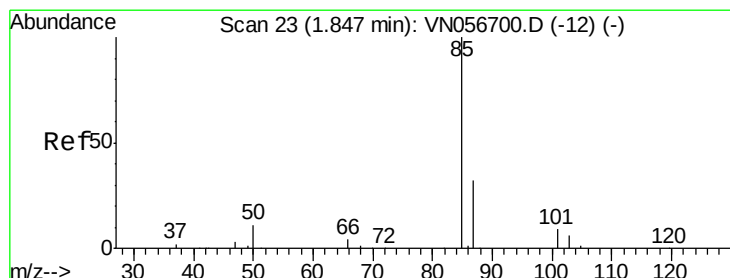
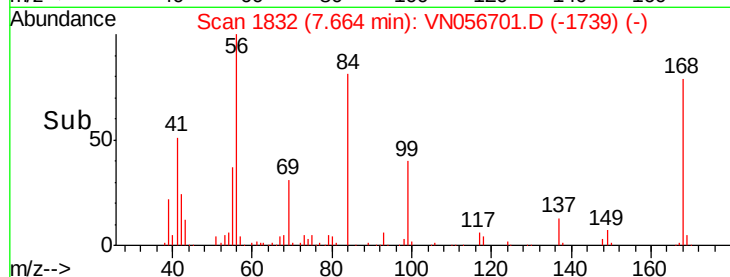
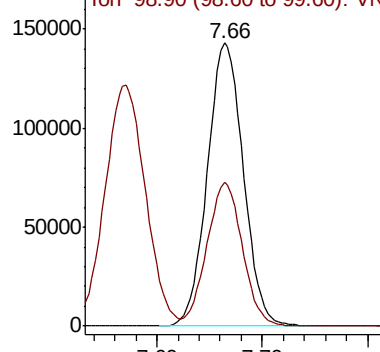
Ion Ratio Lower Upper

168 100

99 50.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056701.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 104.582 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056701.D

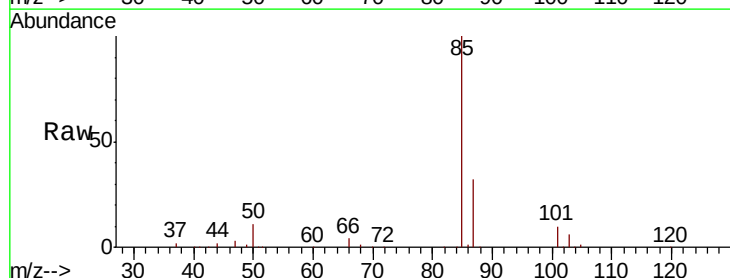
Acq: 15 Jul 2019 10:20

Tgt Ion: 85 Resp: 301775

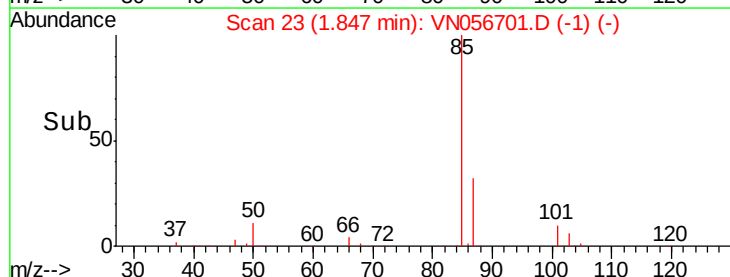
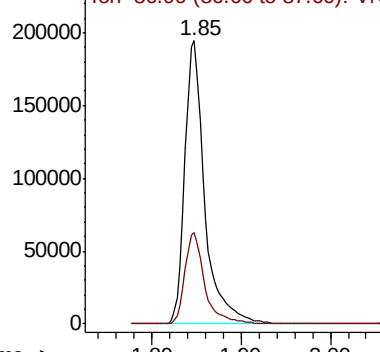
Ion Ratio Lower Upper

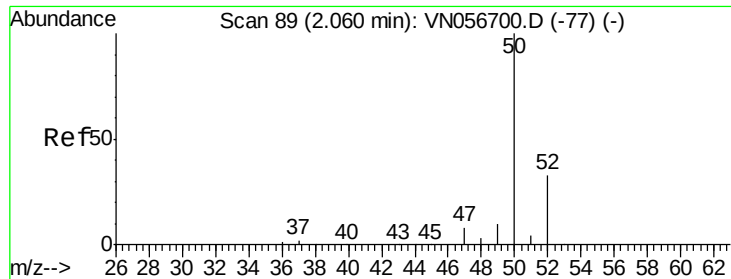
85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056701.D (-1) (-)





#3

Chloromethane

Concen: 103.883 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

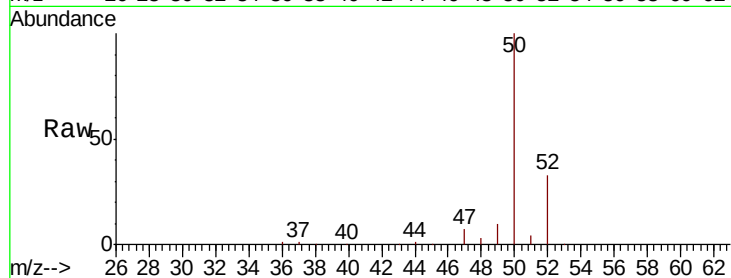
VSTDIC100

Tot Ion: 50 Resp: 409416

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN056701.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN056701.D (-77) (-)

2.06

300000

250000

200000

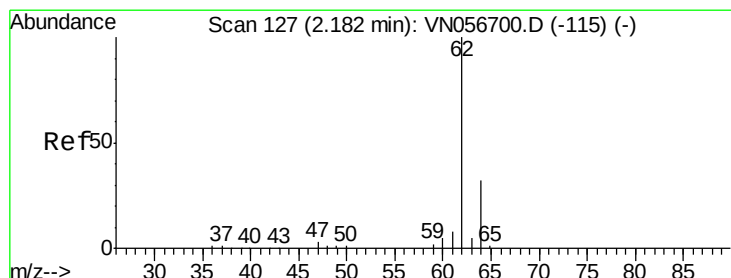
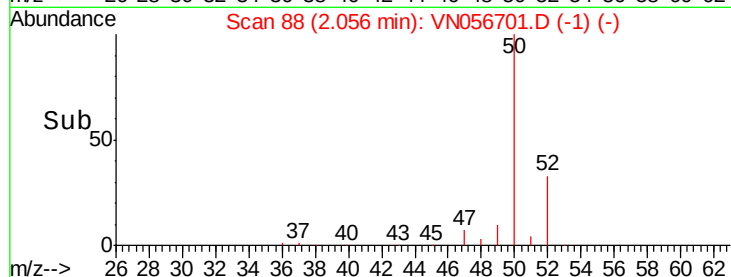
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 104.688 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056701.D

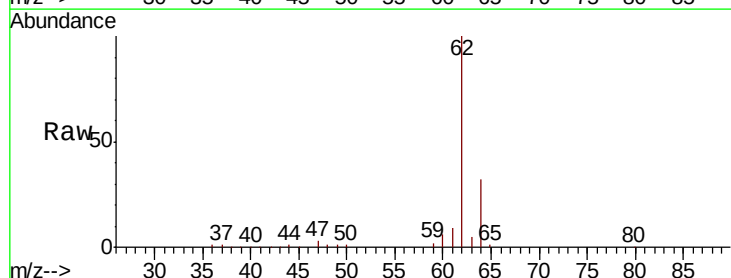
Acq: 15 Jul 2019 10:20

Tgt Ion: 62 Resp: 398205

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN056701.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN056701.D (-115) (-)

2.18

300000

250000

200000

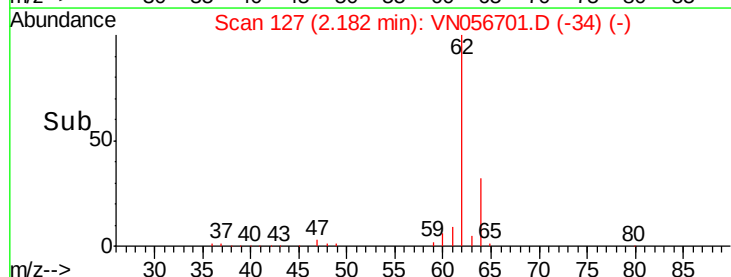
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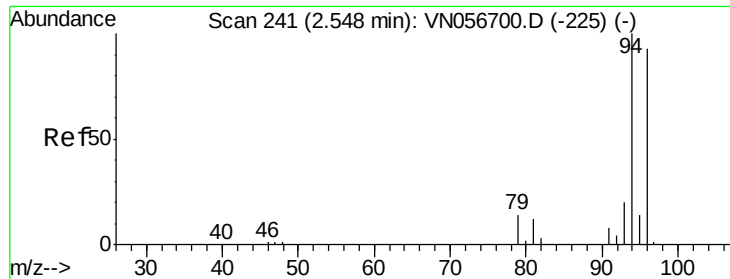
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50000

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Time-->

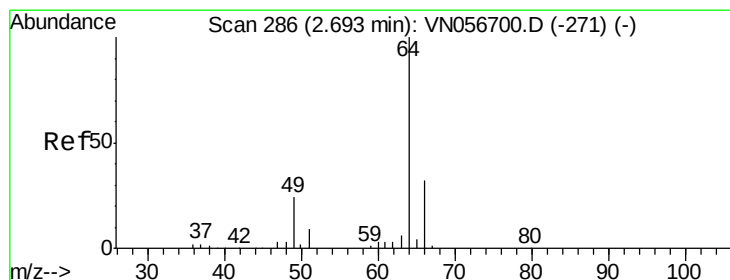
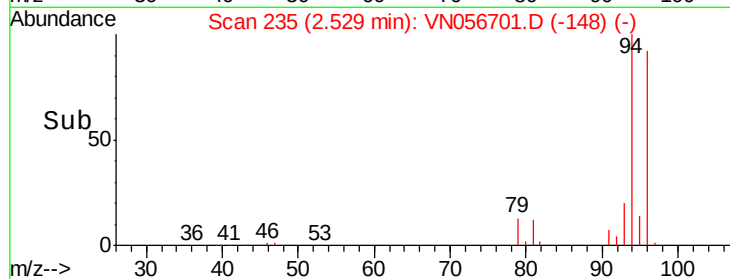
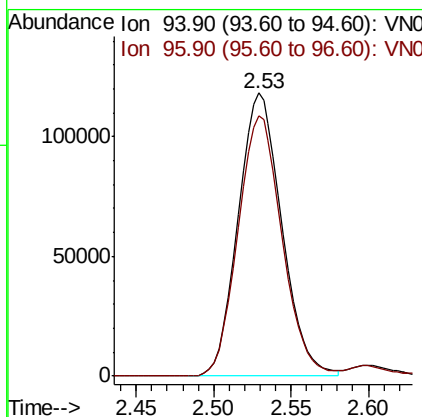
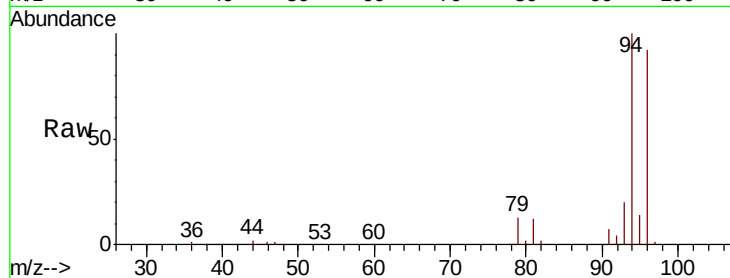




#5
Bromomethane
Concen: 104.846 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.02 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

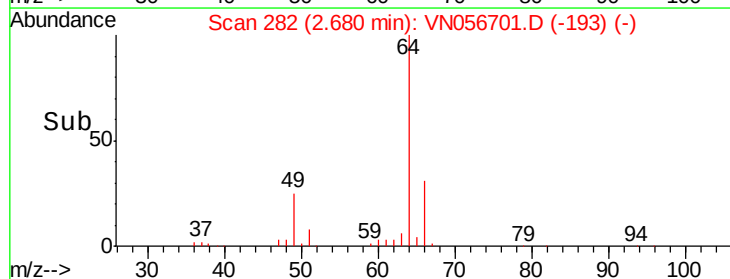
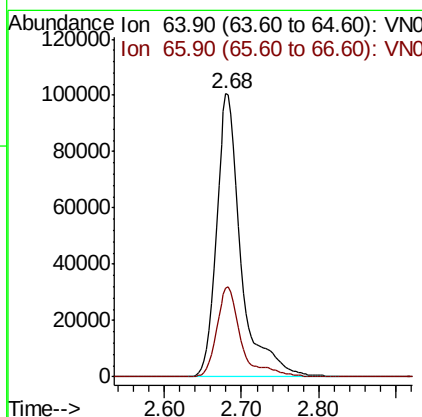
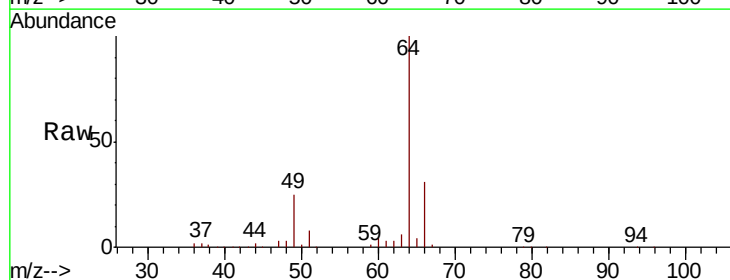
Instrument :
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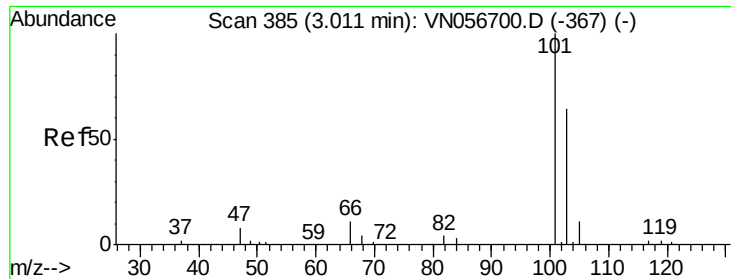
Tot Ion: 94 Resp: 231931
Ion Ratio Lower Upper
94 100
96 92.1 74.0 111.0



#6
Chloroethane
Concen: 102.018 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 64 Resp: 223813
Ion Ratio Lower Upper
64 100
66 31.2 25.8 38.8



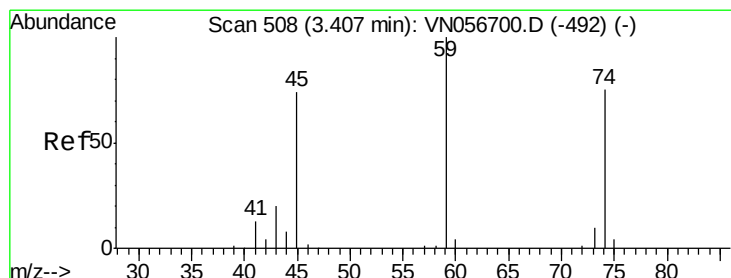
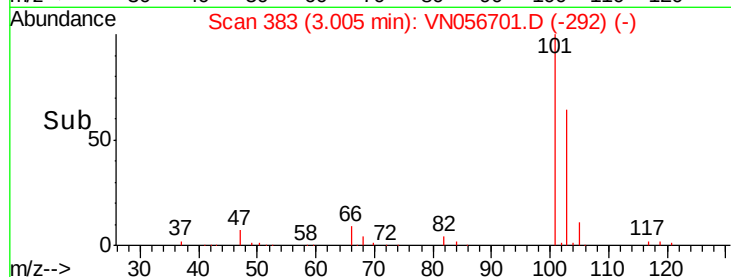
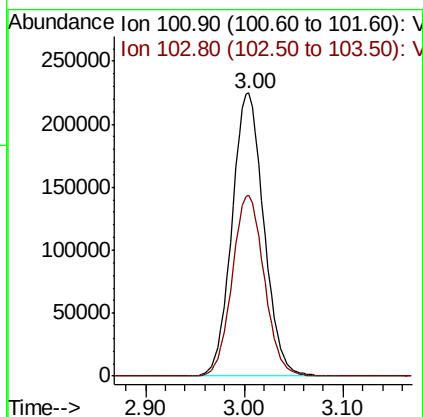
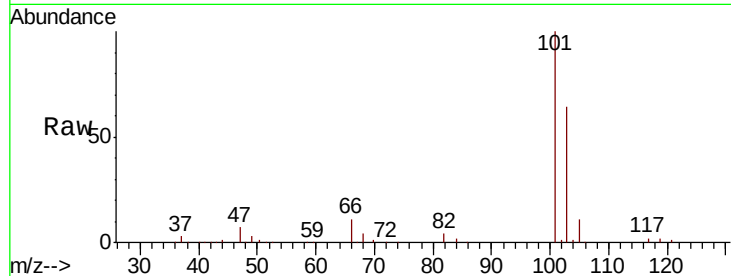


#7

Trichlorofluoromethane
Concen: 102.606 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

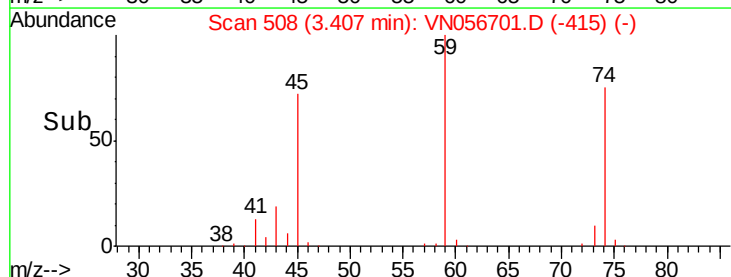
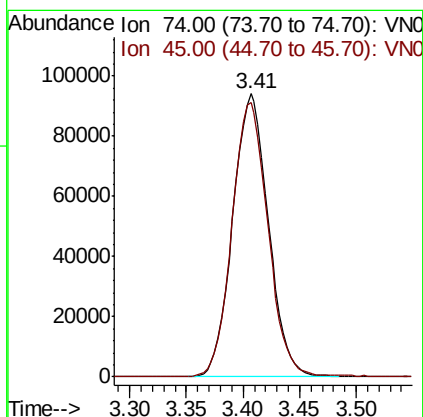
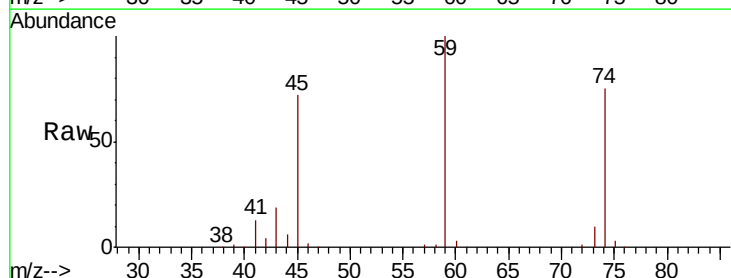
Tot Ion:101 Resp: 504359
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3

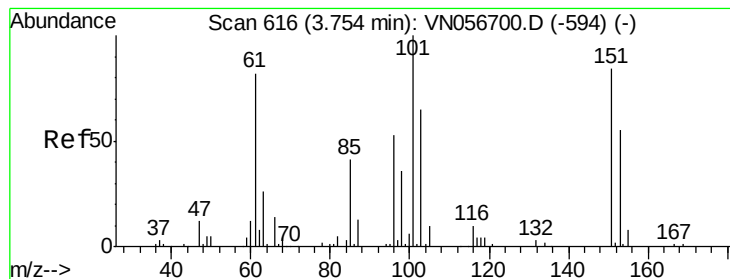


#8

Diethyl Ether
Concen: 99.777 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 74 Resp: 206595
Ion Ratio Lower Upper
74 100
45 97.7 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.053 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

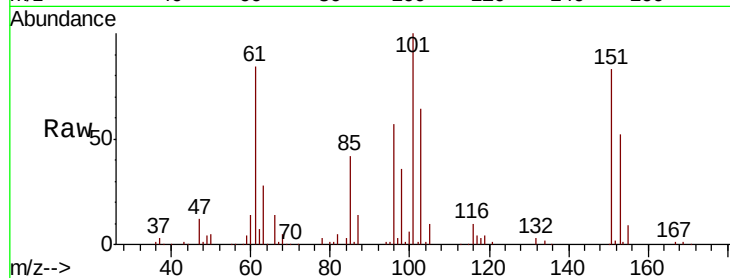
Tot Ion:101 Resp: 308930

Ion Ratio Lower Upper

101 100

85 41.0 33.3 49.9

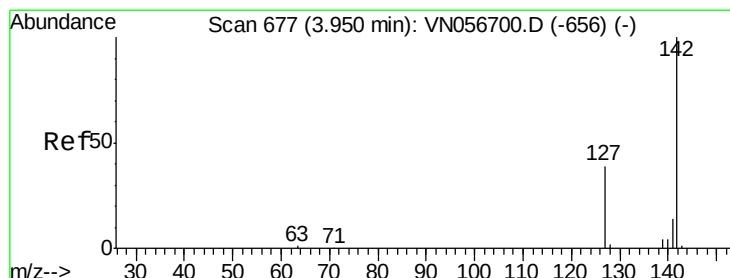
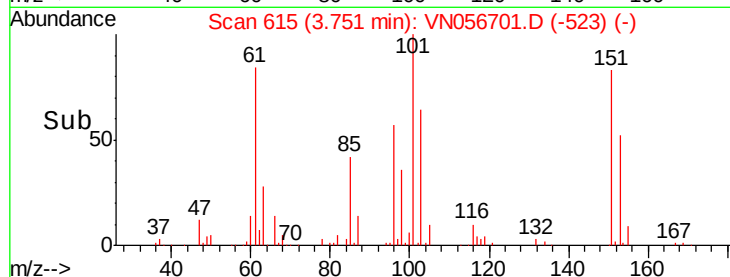
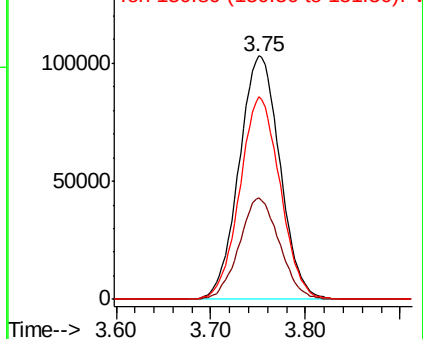
151 82.3 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 109.627 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

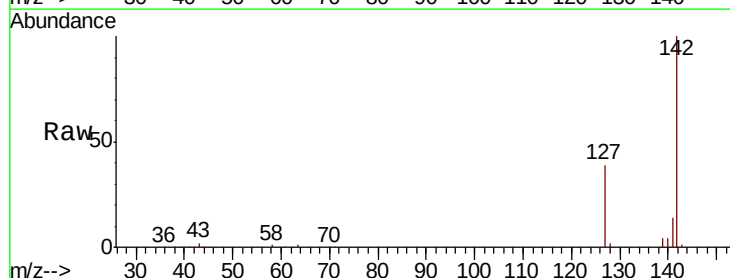
Tgt Ion:142 Resp: 459530

Ion Ratio Lower Upper

142 100

127 38.2 30.7 46.1

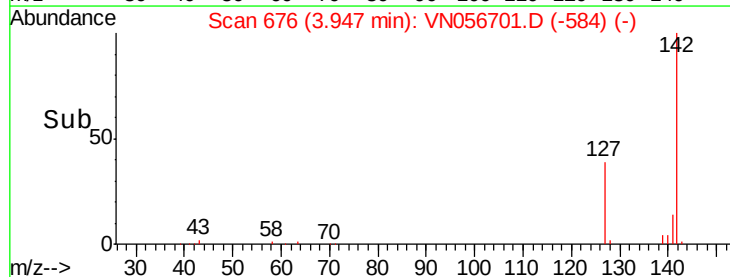
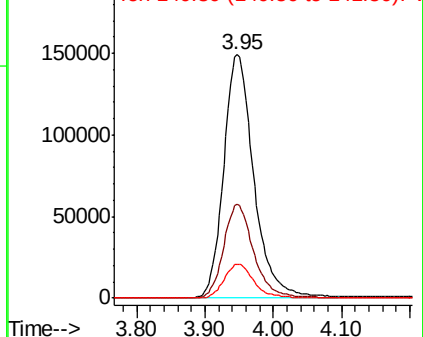
141 13.9 11.3 16.9

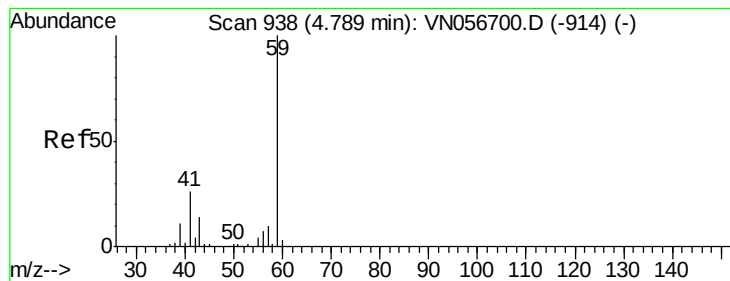


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



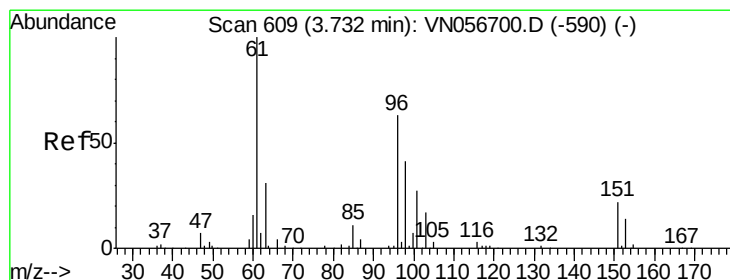
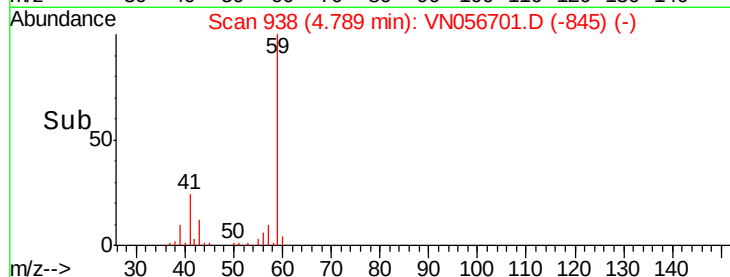
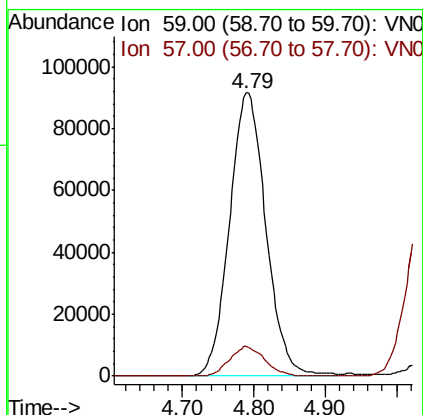
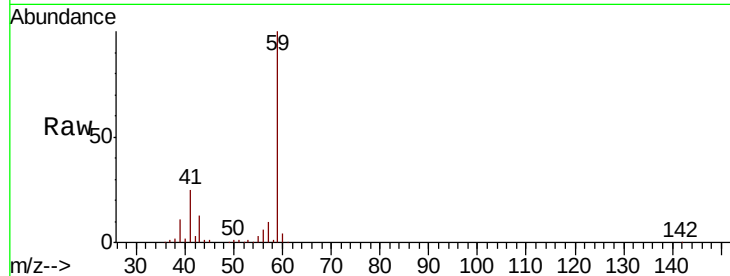


#11

Tert butyl alcohol
 Concen: 516.997 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

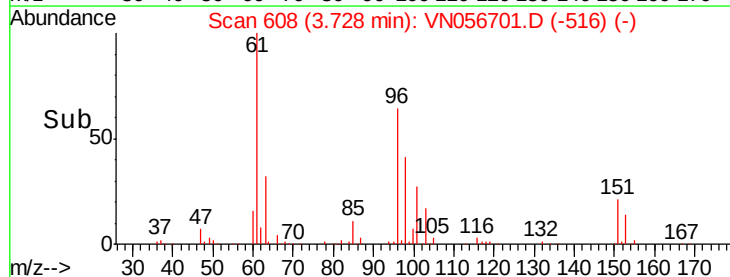
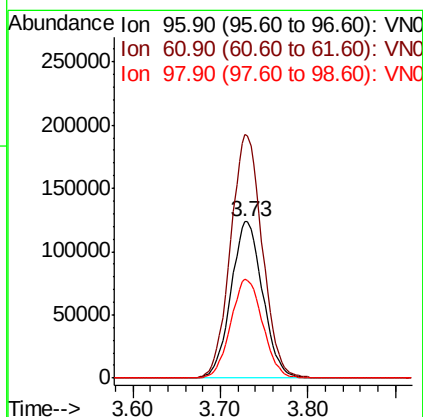
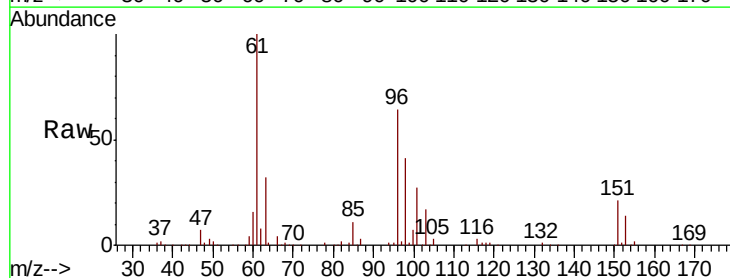
Tot Ion: 59 Resp: 325695
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

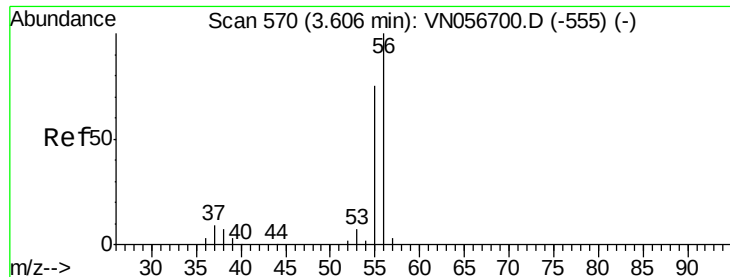


#12

1,1-Dichloroethene
 Concen: 103.813 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 96 Resp: 312118
 Ion Ratio Lower Upper
 96 100
 61 155.6 126.6 189.8
 98 63.1 51.4 77.2





#13

Acrolein

Concen: 231.025 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

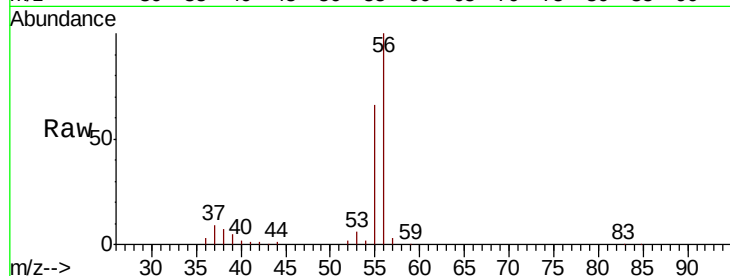
VSTDIC100

Tot Ion: 56 Resp: 107814

Ion Ratio Lower Upper

56 100

55 70.0 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN056701.D (-555) (-)

Ion 55.00 (54.70 to 55.70): VN056701.D (-555) (-)

3.60

50000

40000

30000

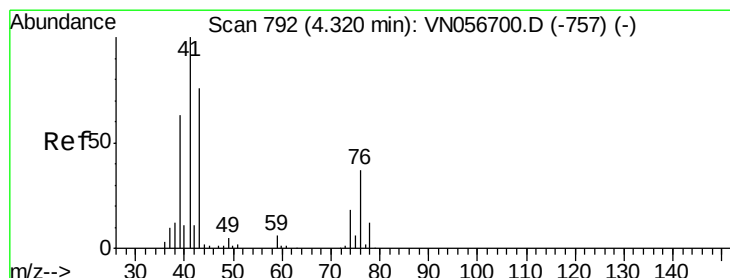
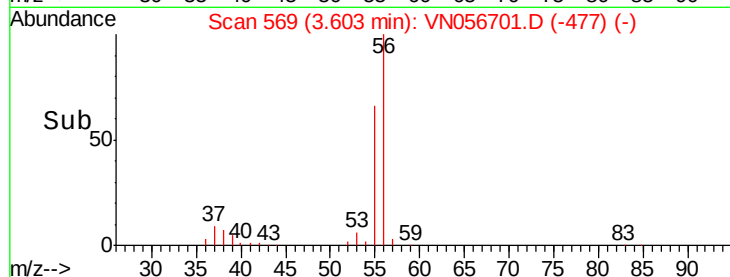
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 110.467 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

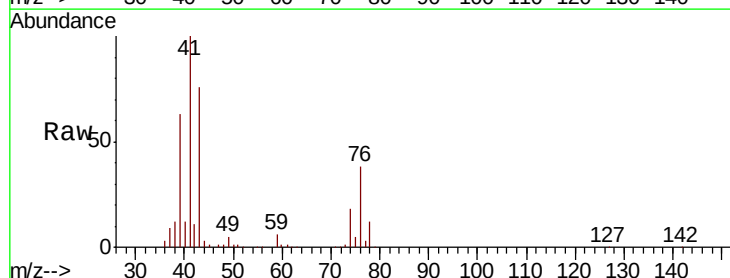
Tgt Ion: 41 Resp: 557300

Ion Ratio Lower Upper

41 100

39 58.8 46.9 70.3

76 33.5 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VN056701.D (-699) (-)

Ion 39.00 (38.70 to 39.70): VN056701.D (-699) (-)

Ion 75.90 (75.60 to 76.60): VN056701.D (-699) (-)

4.32

200000

150000

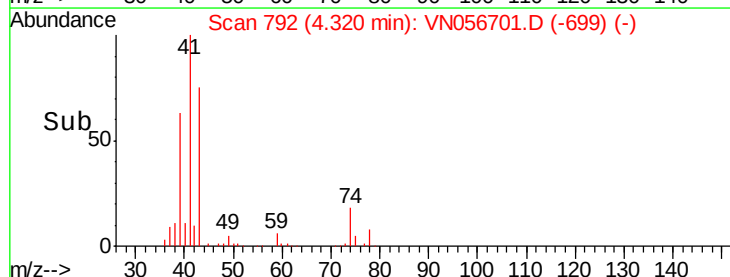
100000

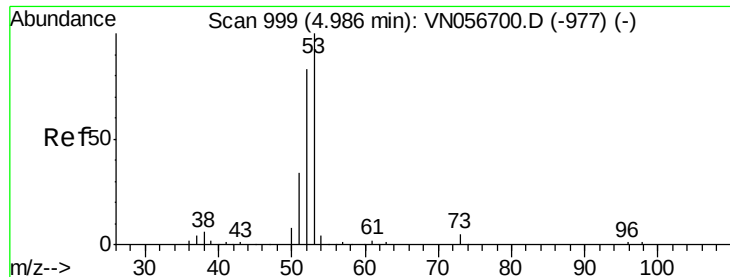
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 520.771 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

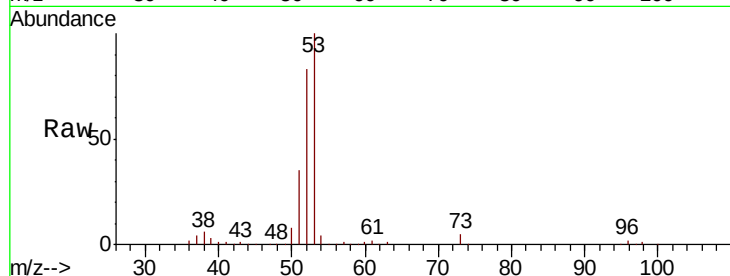
Tot Ion: 53 Resp: 916120

Ion Ratio Lower Upper

53 100

52 82.8 66.6 99.8

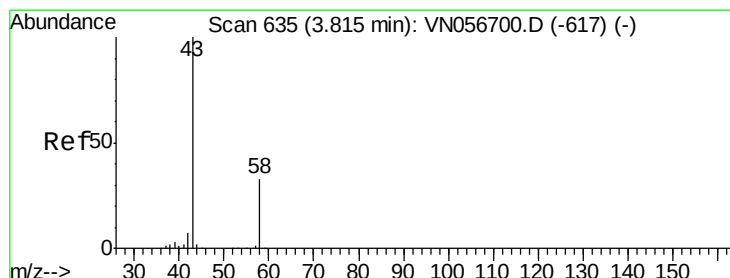
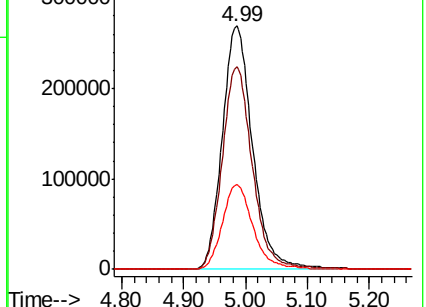
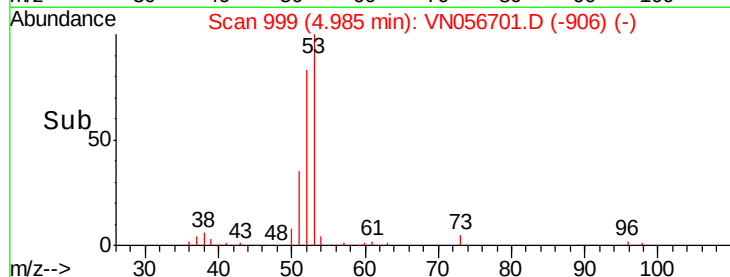
51 35.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056701.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056701.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056701.D (-906) (-)



#16

Acetone

Concen: 440.490 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056701.D

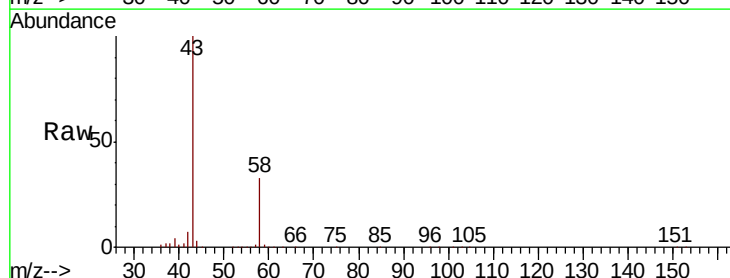
Acq: 15 Jul 2019 10:20

Tgt Ion: 43 Resp: 816749

Ion Ratio Lower Upper

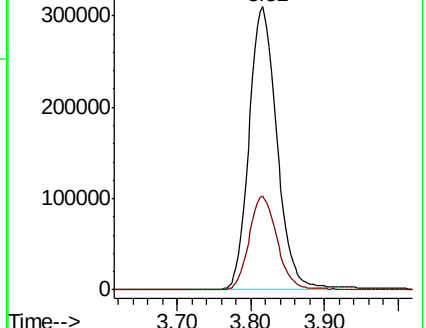
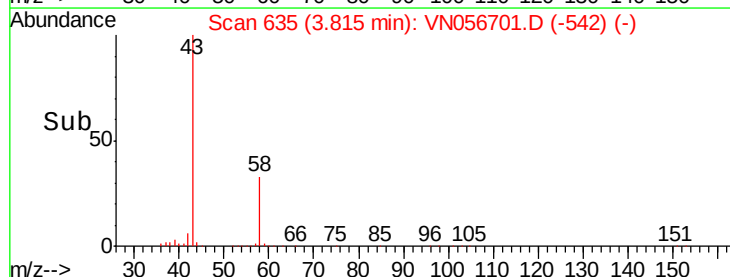
43 100

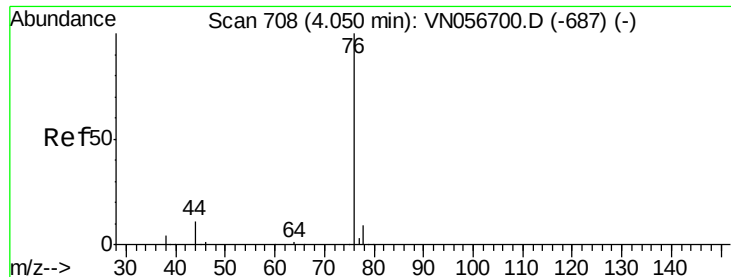
58 33.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056701.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056701.D (-542) (-)





#17

Carbon Disulfide

Concen: 121.644 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

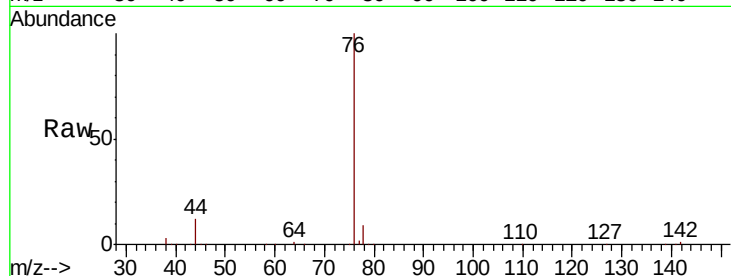
VSTDIC100

Tot Ion: 76 Resp: 853433

Ion Ratio Lower Upper

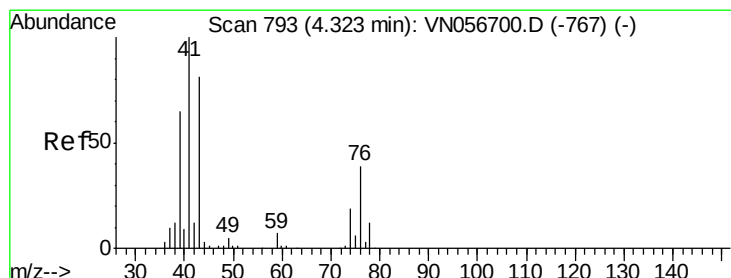
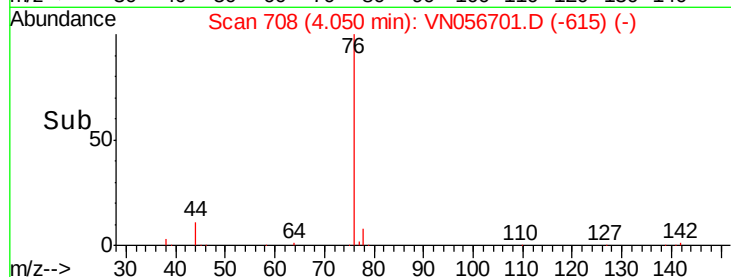
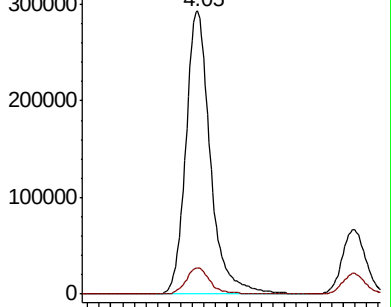
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 81.040 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056701.D

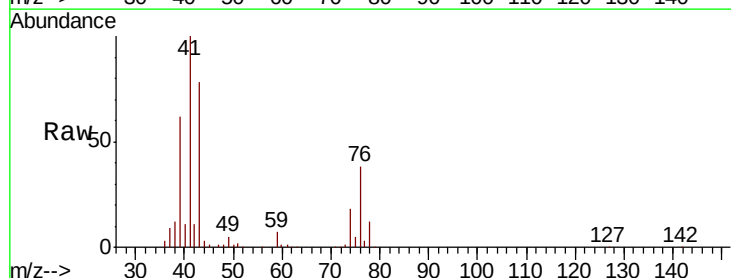
Acq: 15 Jul 2019 10:20

Tgt Ion: 43 Resp: 385042

Ion Ratio Lower Upper

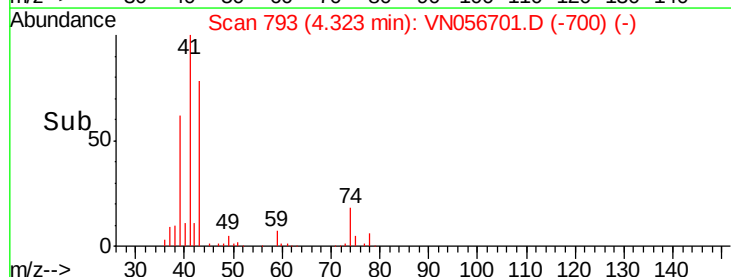
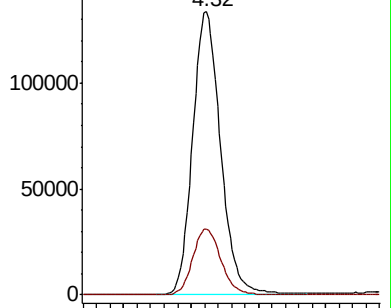
43 100

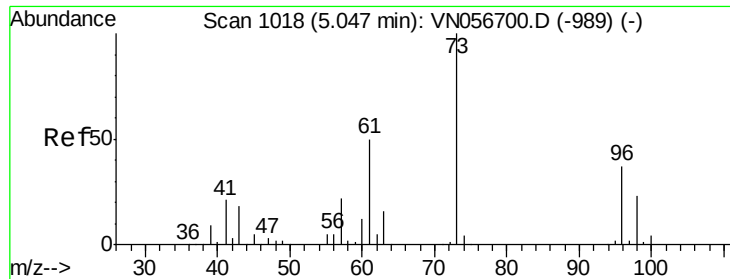
74 23.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

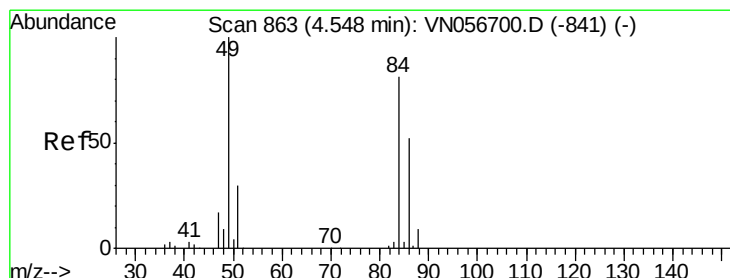
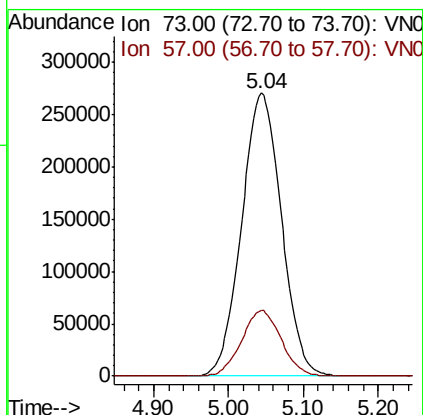
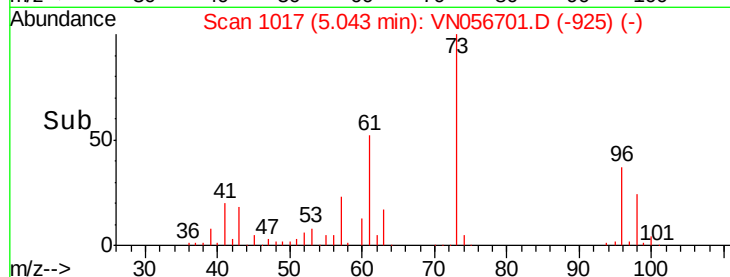
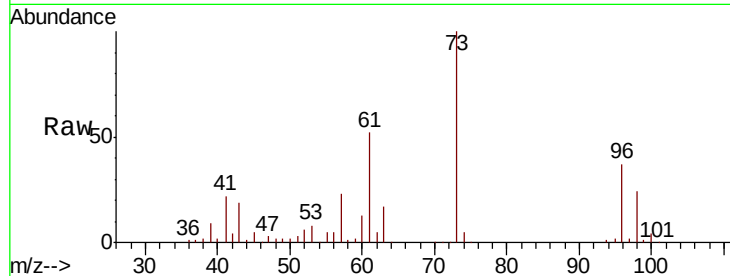




#19
Methyl tert-butyl Ether
Concen: 100.925 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

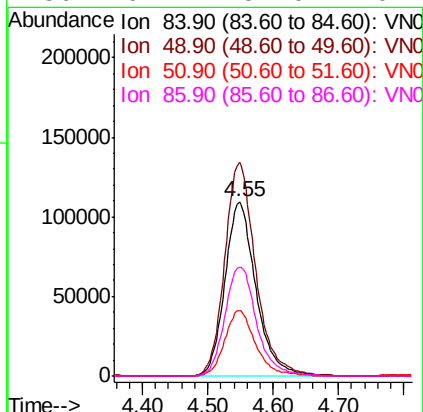
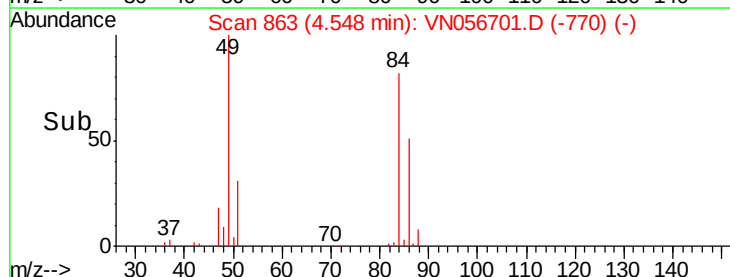
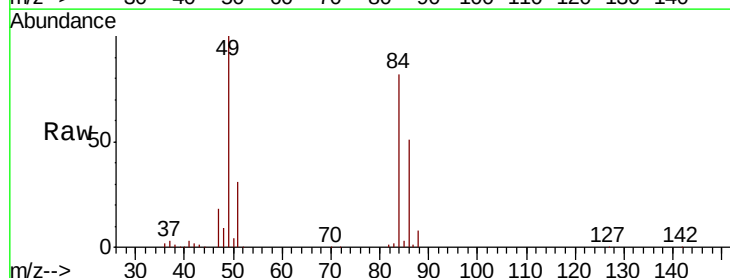
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

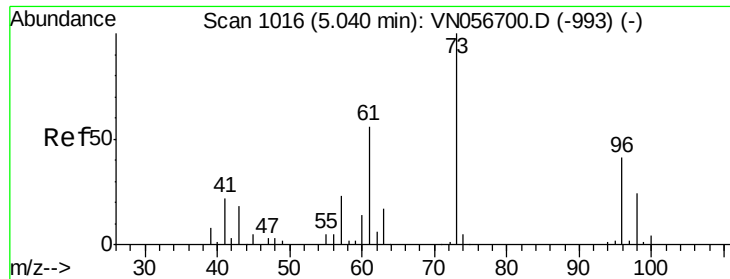
Tot Ion: 73 Resp: 1001719
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 93.111 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 84 Resp: 360689
Ion Ratio Lower Upper
84 100
49 122.4 98.2 147.4
51 37.7 29.6 44.4
86 62.4 51.0 76.4

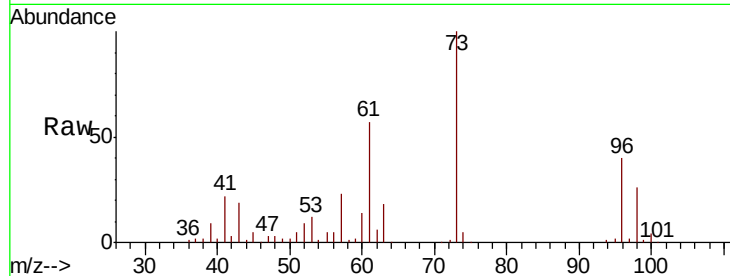




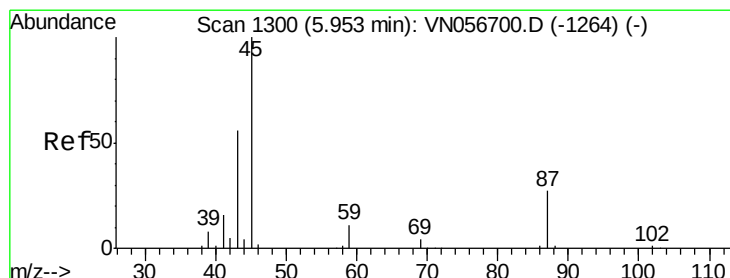
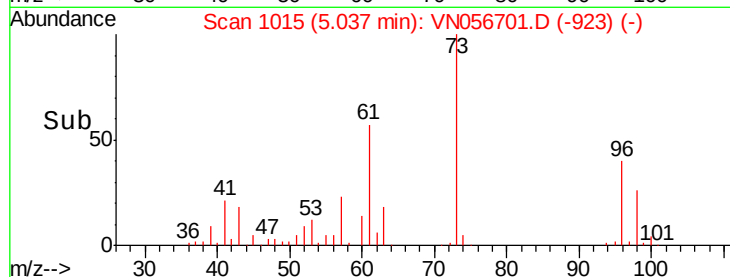
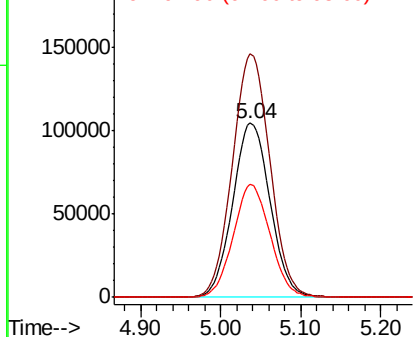
#21
trans-1,2-Dichloroethene
Concen: 102.621 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 333190
Ion Ratio Lower Upper
96 100
61 139.6 109.4 164.2
98 64.5 48.0 72.0

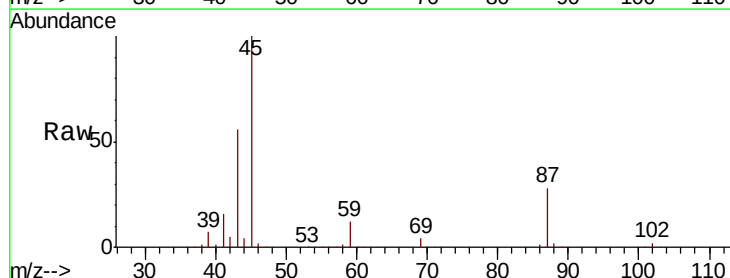


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

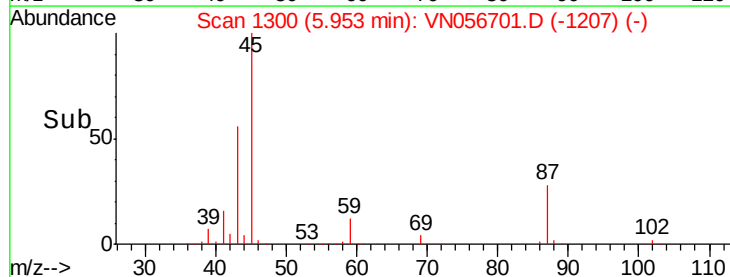
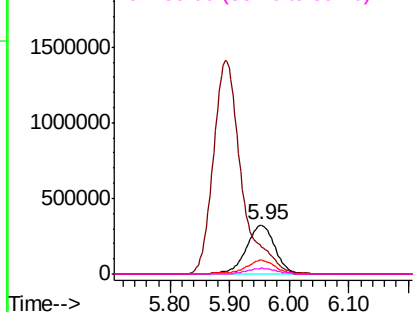


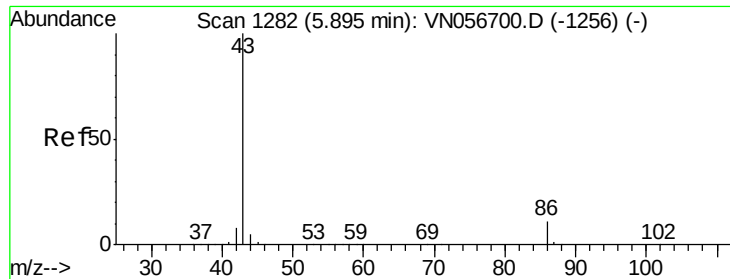
#22
Diisopropyl ether
Concen: 103.225 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 45 Resp: 1088289
Ion Ratio Lower Upper
45 100
43 55.5 45.6 68.4
87 27.9 22.0 33.0
59 11.8 9.3 13.9



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





#23

Vinyl Acetate

Concen: 557.568 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

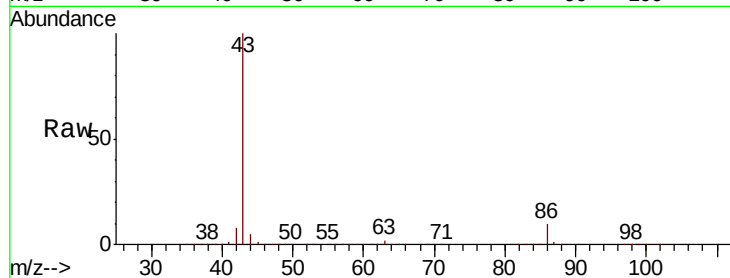
VSTDIC100

Tot Ion: 43 Resp: 4638718

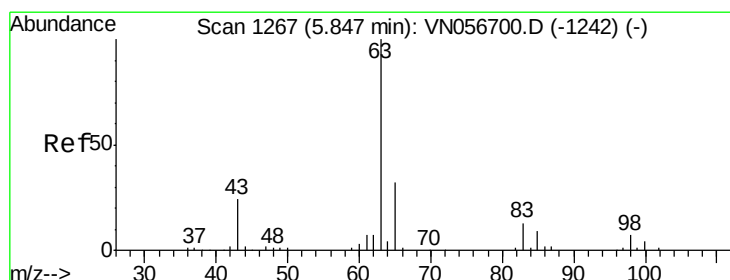
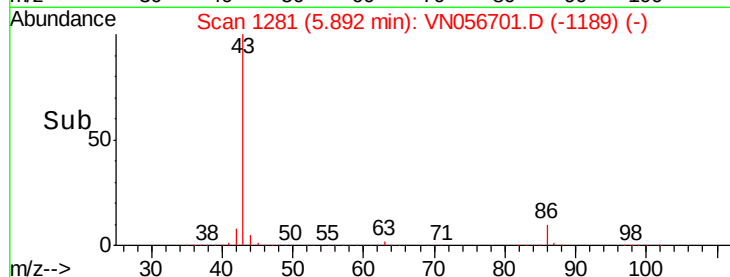
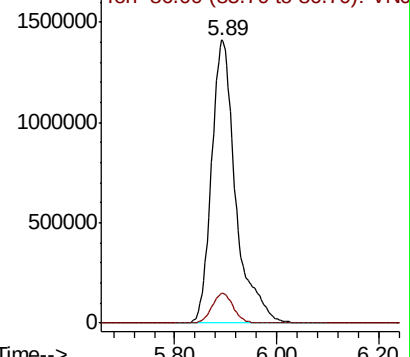
Ion Ratio Lower Upper

43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056701.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 101.862 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

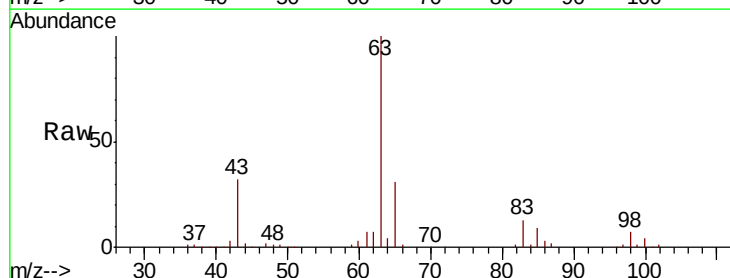
Tgt Ion: 63 Resp: 615545

Ion Ratio Lower Upper

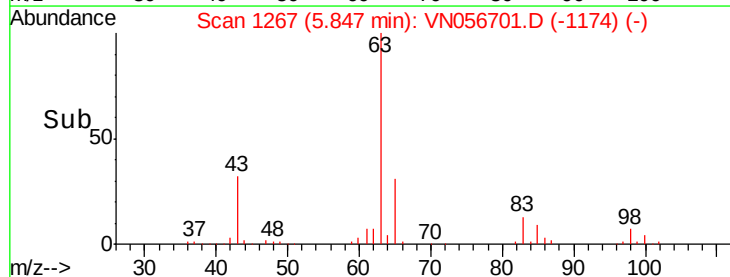
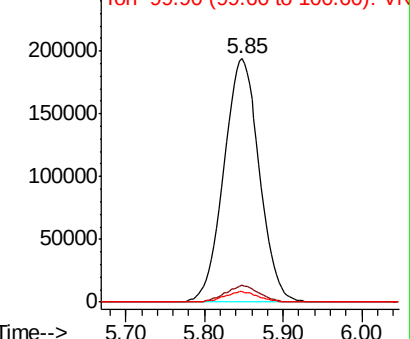
63 100

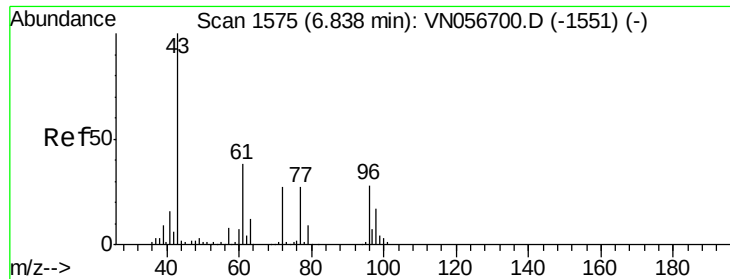
98 6.8 3.3 9.9

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN056701.D (-1174) (-)





#25

2-Butanone

Concen: 506.804 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

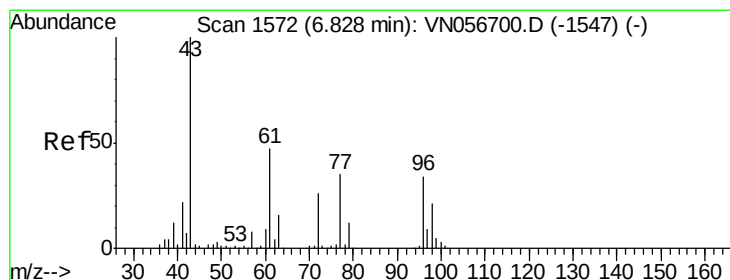
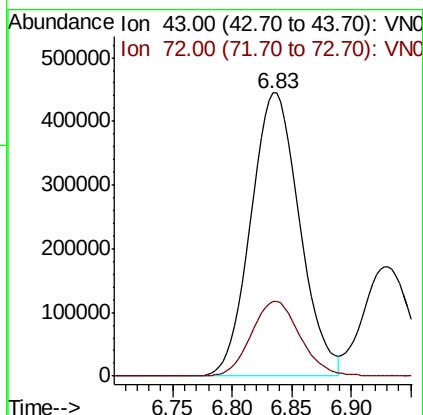
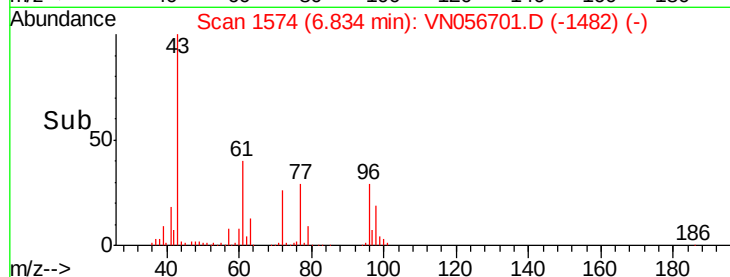
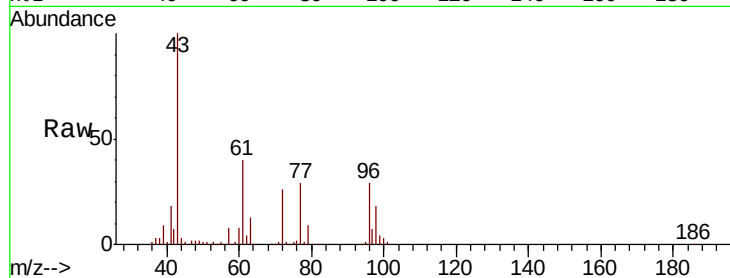
VSTDIC100

Tot Ion: 43 Resp: 1260769

Ion Ratio Lower Upper

43 100

72 26.4 21.2 31.8



#26

2,2-Dichloropropane

Concen: 108.433 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056701.D

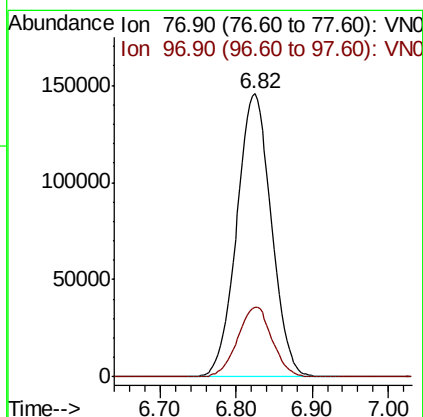
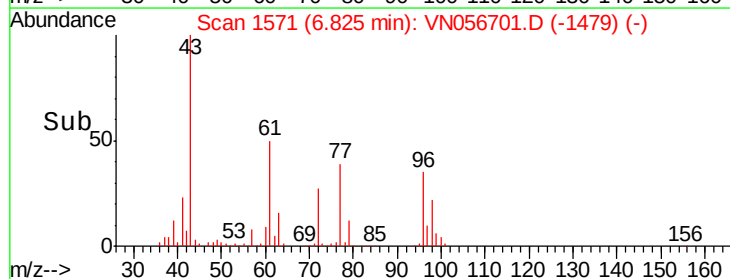
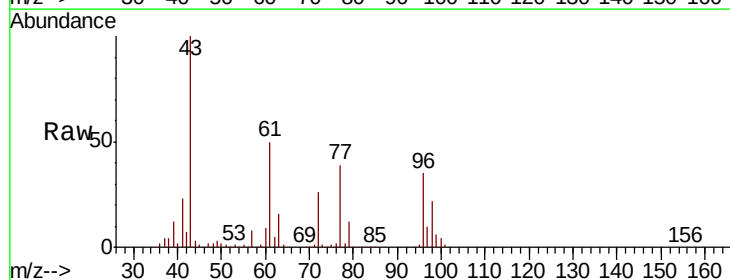
Acq: 15 Jul 2019 10:20

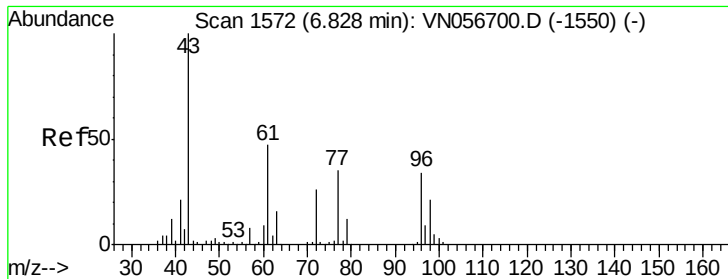
Tgt Ion: 77 Resp: 459726

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 102.708 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

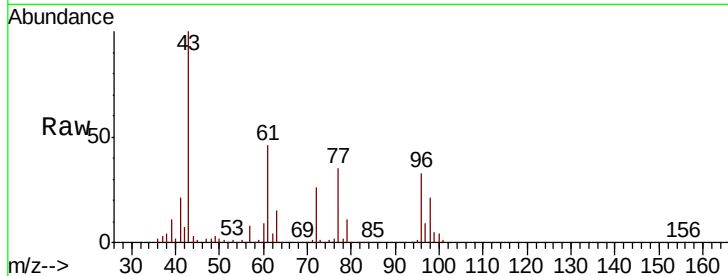
Tot Ion: 96 Resp: 388914

Ion Ratio Lower Upper

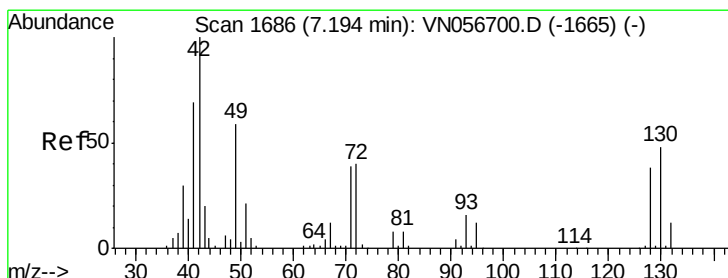
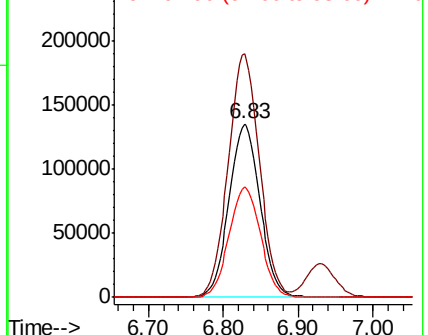
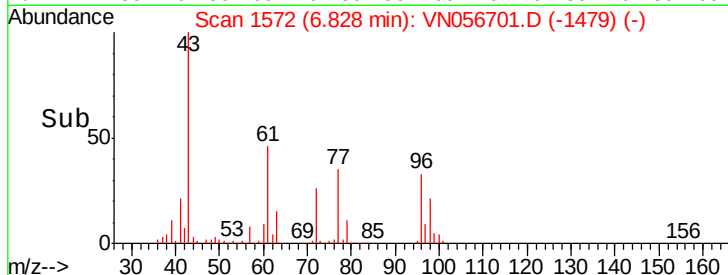
96 100

61 141.4 0.0 281.4

98 64.7 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN056701.D (-1479) (-)



#28

Bromochloromethane

Concen: 100.744 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

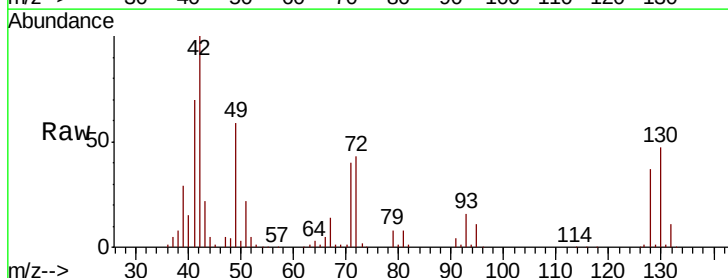
Tgt Ion: 49 Resp: 298729

Ion Ratio Lower Upper

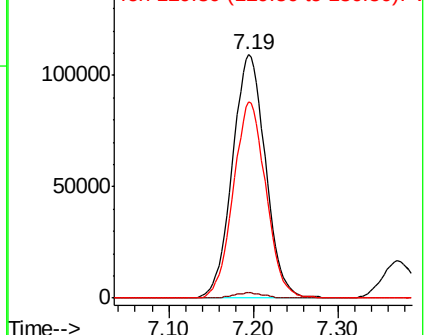
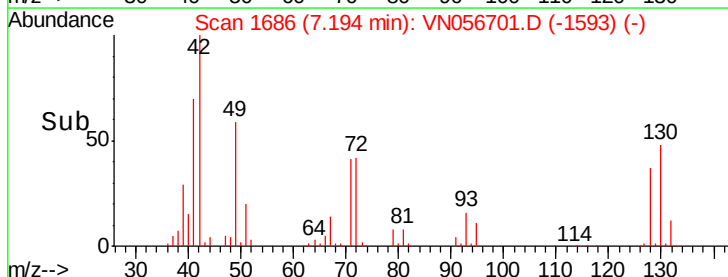
49 100

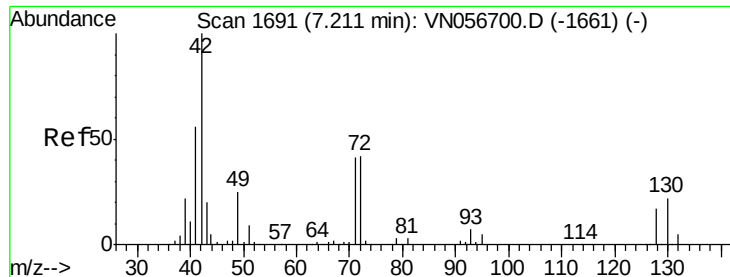
129 2.0 0.0 4.0

130 79.7 64.7 97.1



Abundance Ion 48.90 (48.60 to 49.60): VN056701.D (-1593) (-)

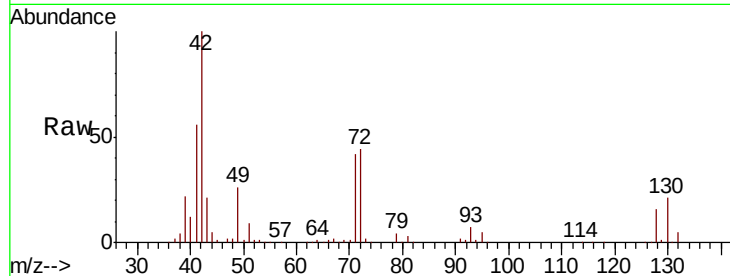




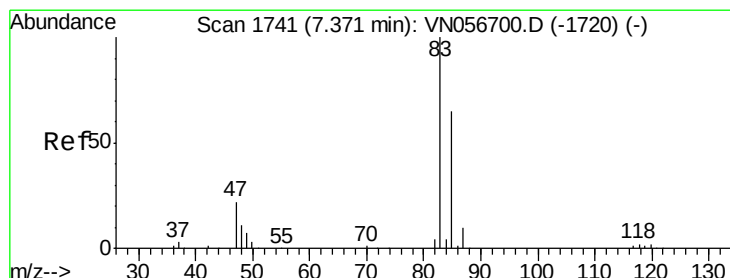
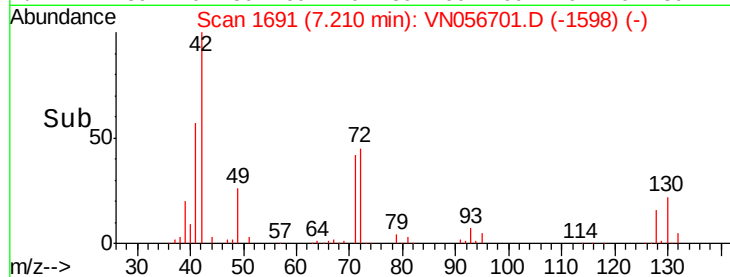
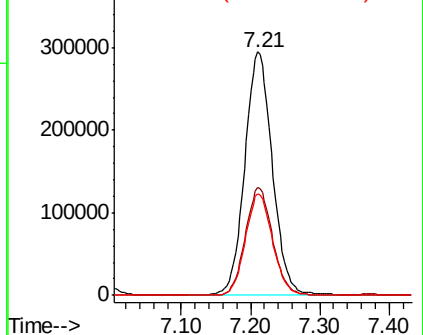
#29
Tetrahydrofuran
Concen: 527.906 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 814414
Ion Ratio Lower Upper
42 100
72 43.6 33.5 50.3
71 40.9 31.8 47.8

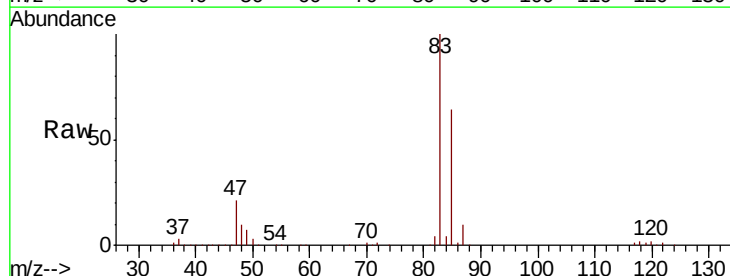


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

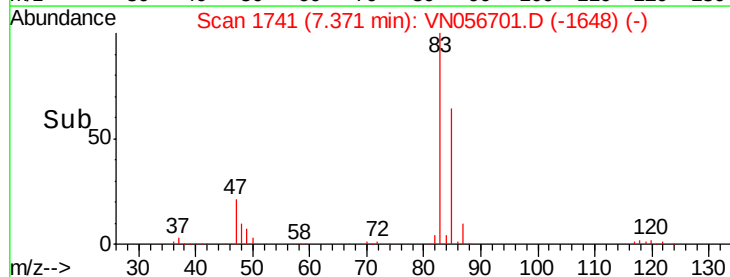
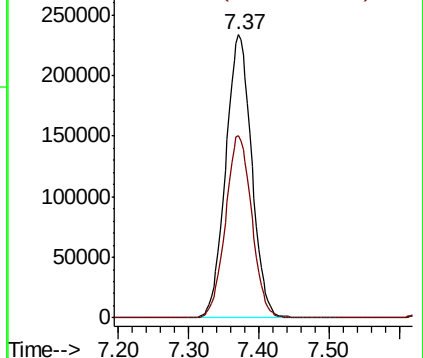


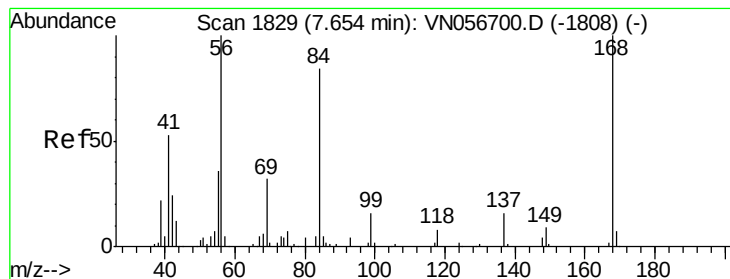
#30
Chloroform
Concen: 100.999 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 83 Resp: 601223
Ion Ratio Lower Upper
83 100
85 64.5 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: 99.851 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

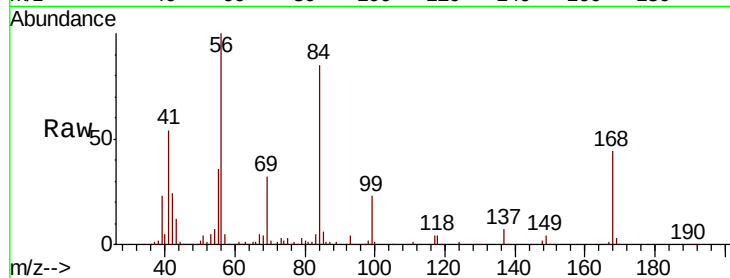
Tot Ion: 56 Resp: 585761

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.8

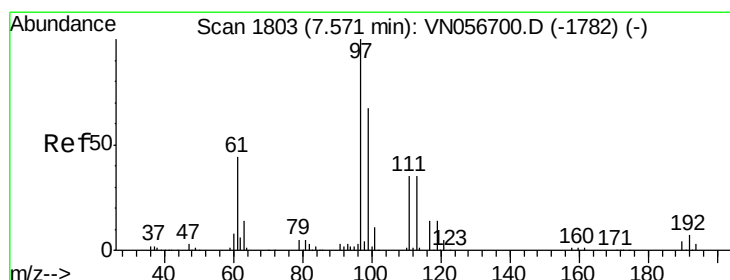
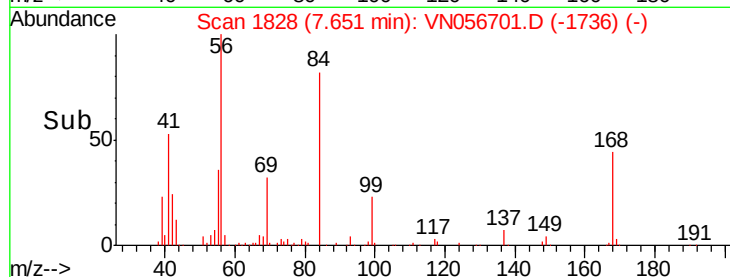
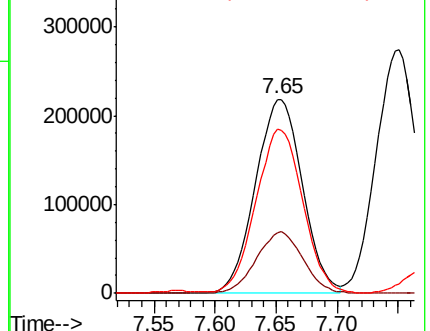
84 83.7 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN056701.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN056701.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN056701.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 106.319 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

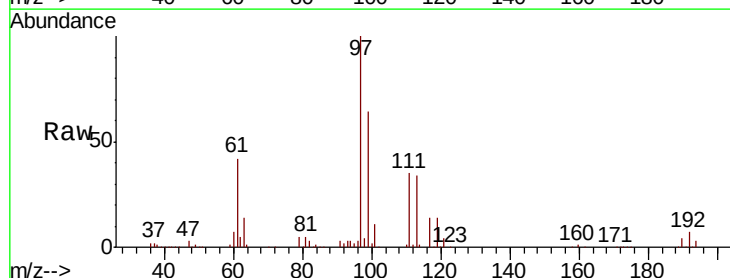
Tgt Ion: 97 Resp: 503161

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

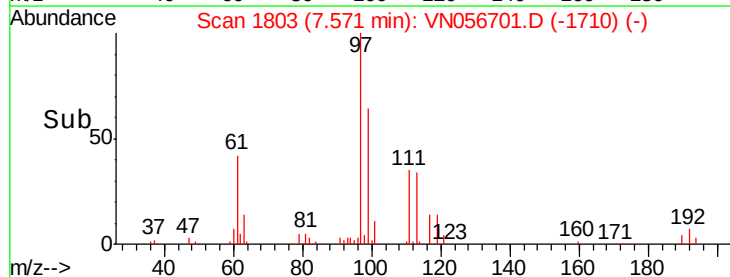
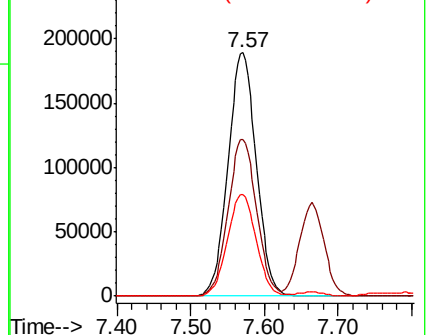
61 42.5 34.3 51.5

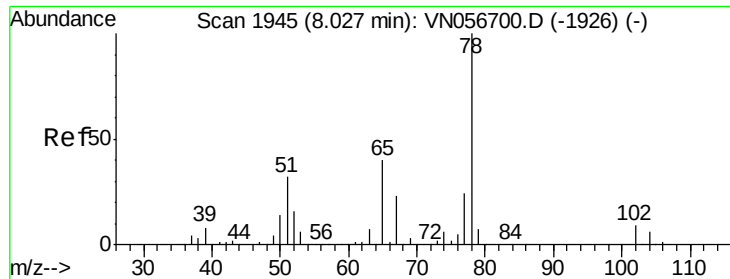


Abundance Ion 96.90 (96.60 to 97.60): VN056701.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN056701.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN056701.D (-1710) (-)

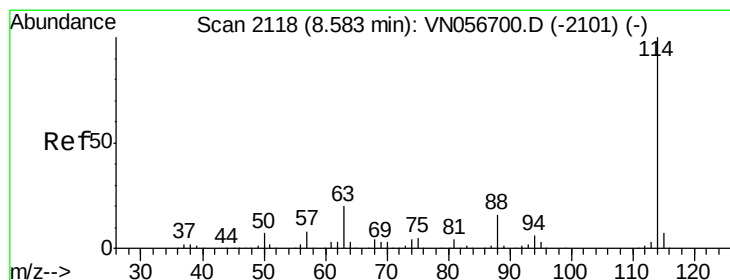
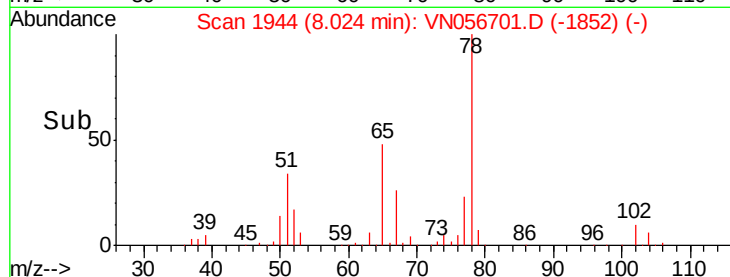
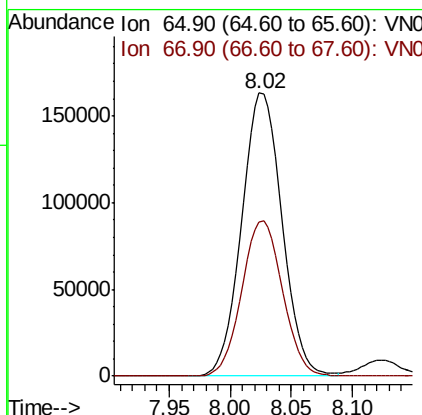
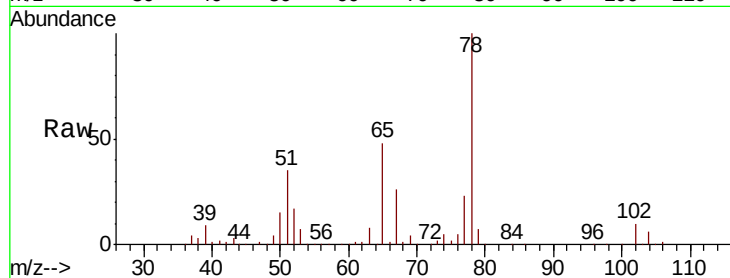




#33
 1,2-Dichloroethane-d4
 Concen: 99.927 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

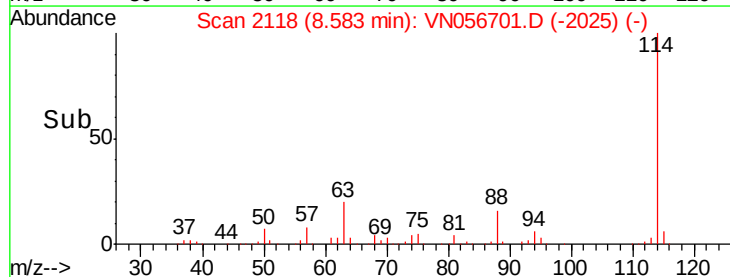
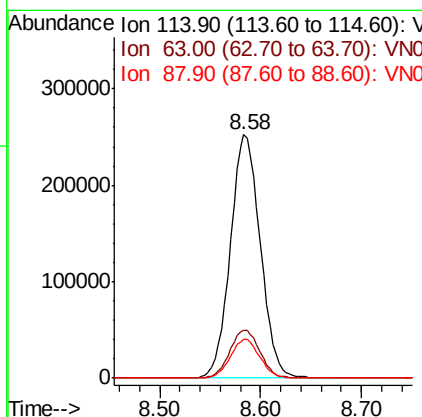
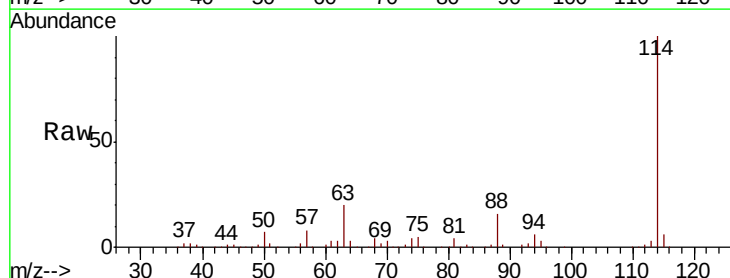
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

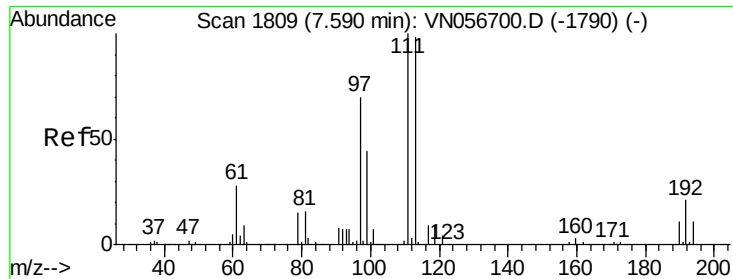
Tot Ion: 65 Resp: 374103
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 114 Resp: 520439
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.8 0.0 31.2

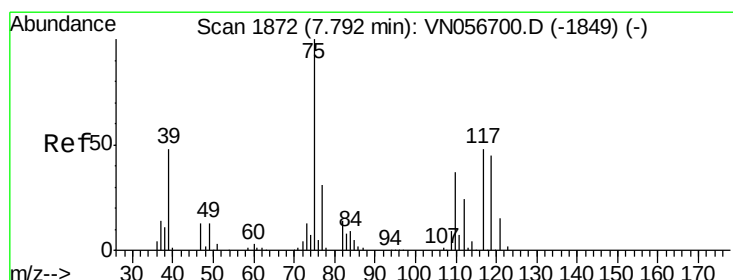
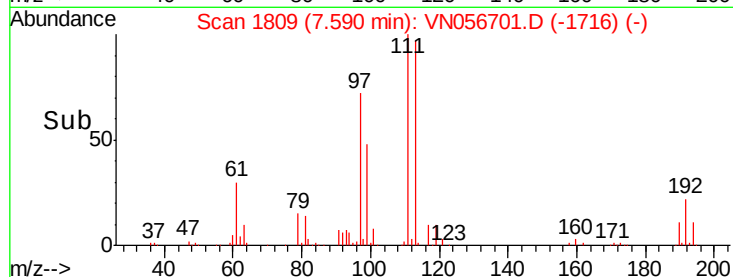
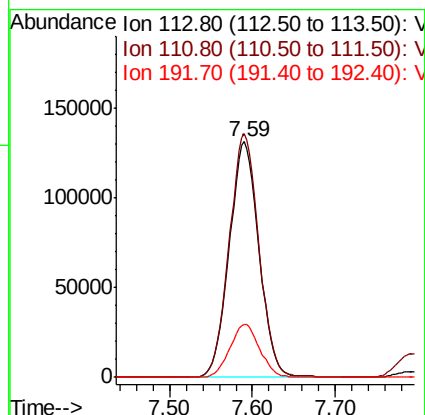
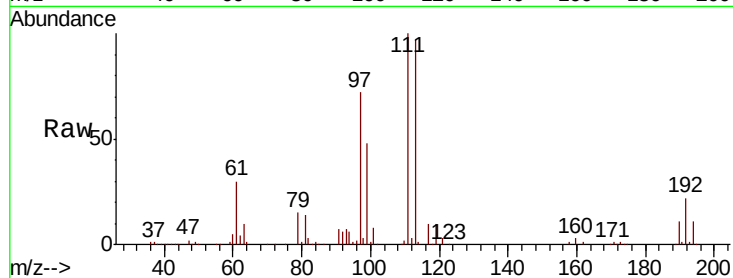




#35
 Dibromofluoromethane
 Concen: 101.147 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

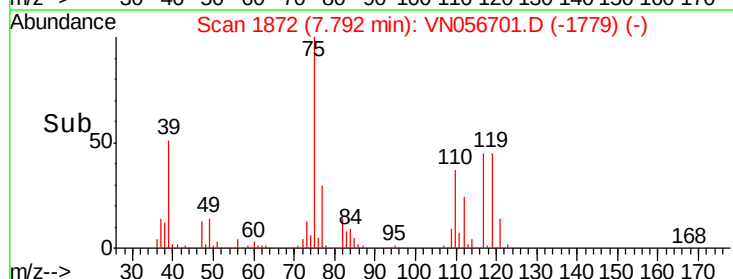
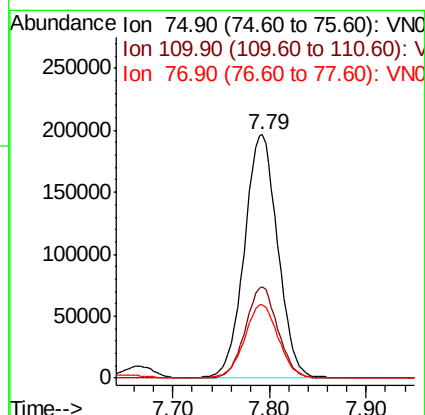
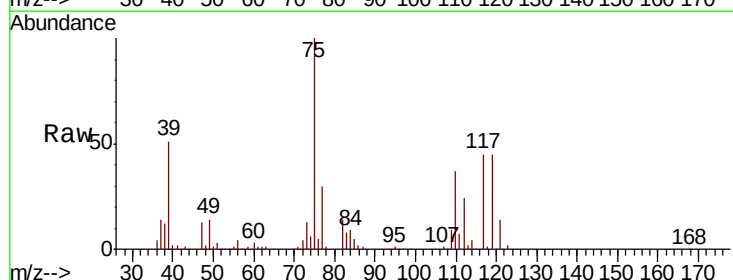
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

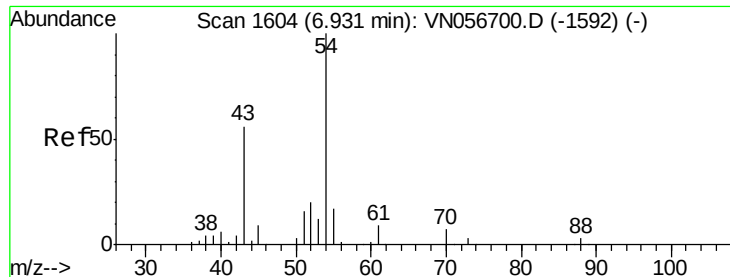
Tot Ion:113 Resp: 326903
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.6
 192 22.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 101.815 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 75 Resp: 469307
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.4 55.4
 77 30.8 24.6 36.8

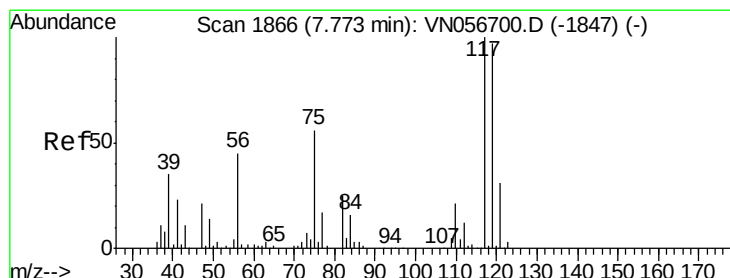
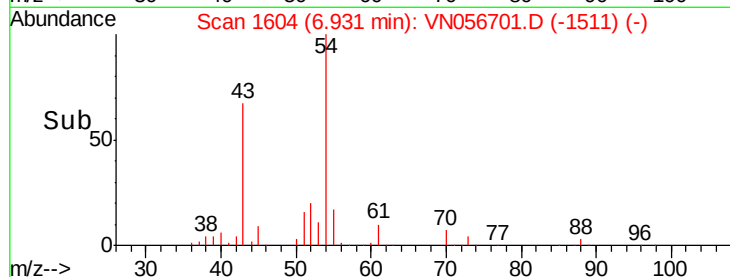
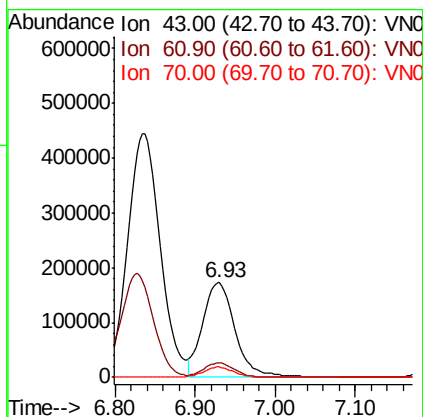
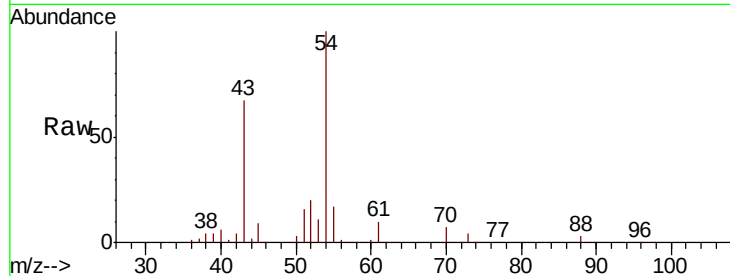




#37
Ethyl Acetate
Concen: 106.640 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

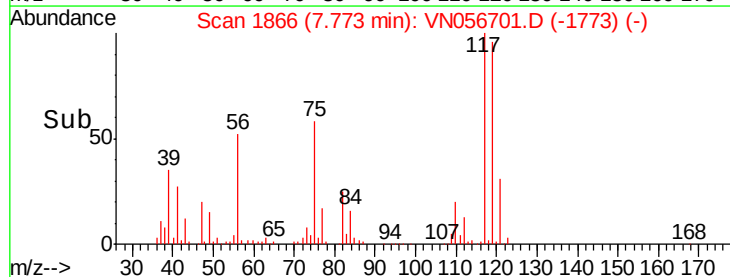
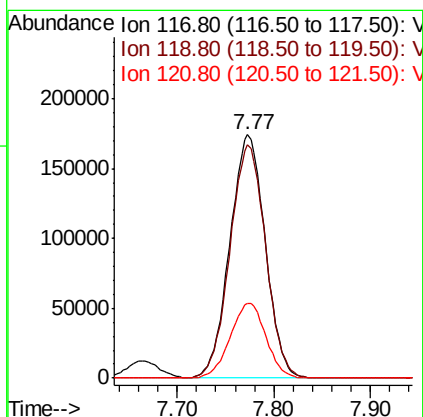
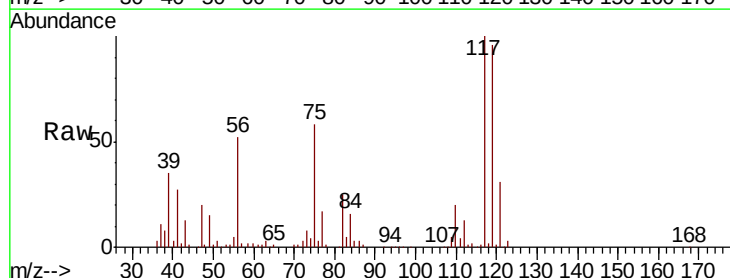
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

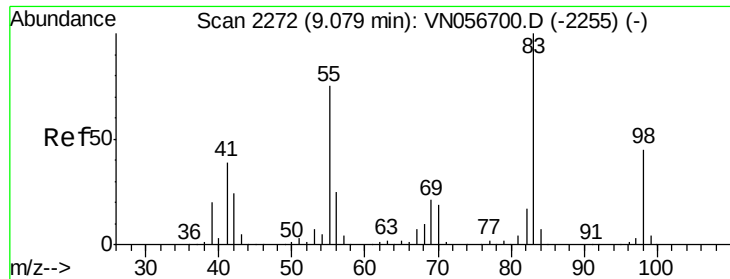
Tot Ion	43	Resp	483527
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.3	16.9
70	10.5	8.5	12.7



#38
Carbon Tetrachloride
Concen: 108.121 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion	117	Resp	441401
Ion Ratio	Lower	Upper	
117	100		
119	95.6	77.5	116.3
121	30.9	24.7	37.1

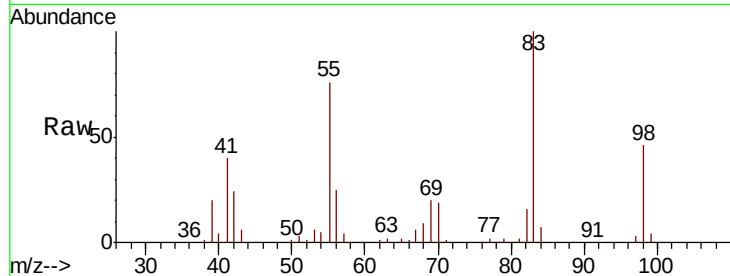




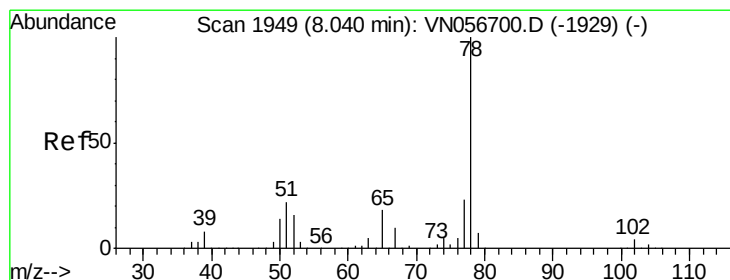
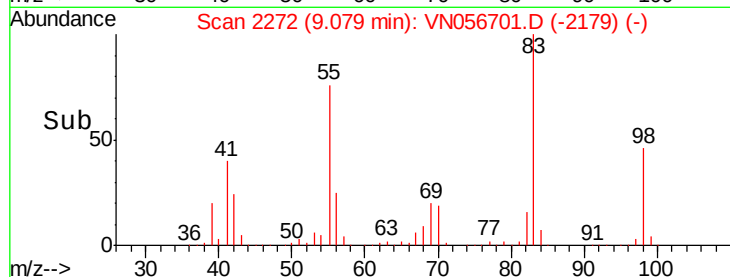
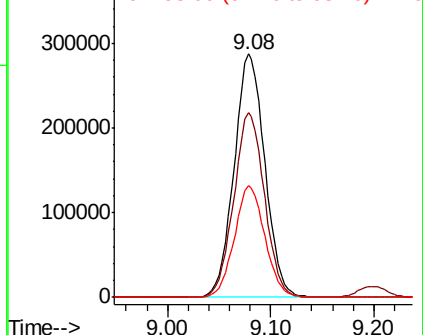
#39
Methylvlcyclohexane
Concen: 104.535 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 596476
Ion Ratio Lower Upper
83 100
55 76.1 60.4 90.6
98 45.6 35.8 53.8

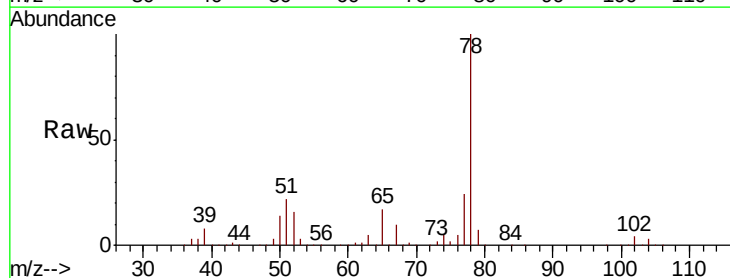


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

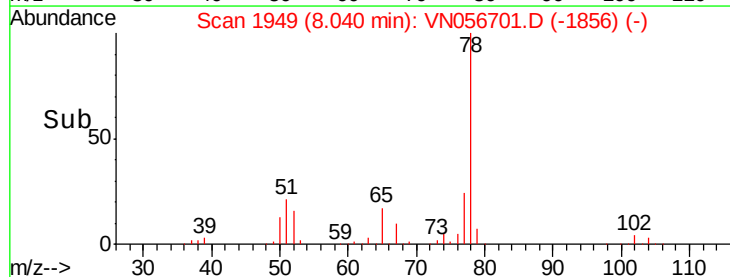
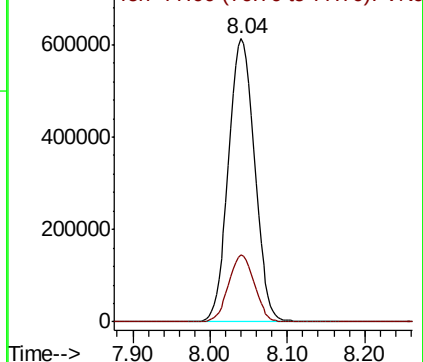


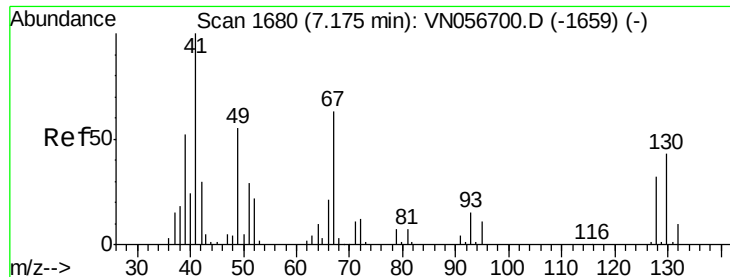
#40
Benzene
Concen: 101.140 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 78 Resp: 1434902
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8



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

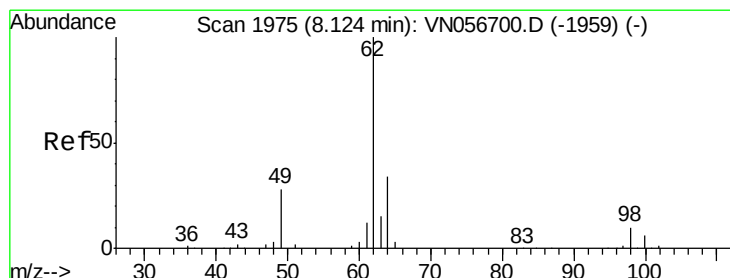
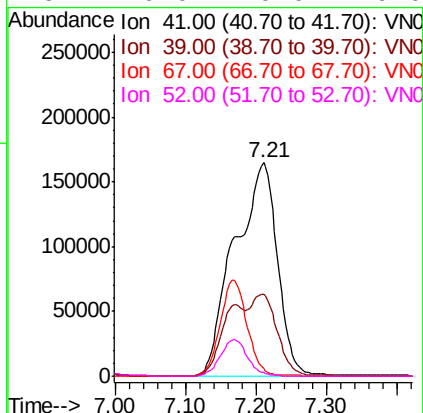
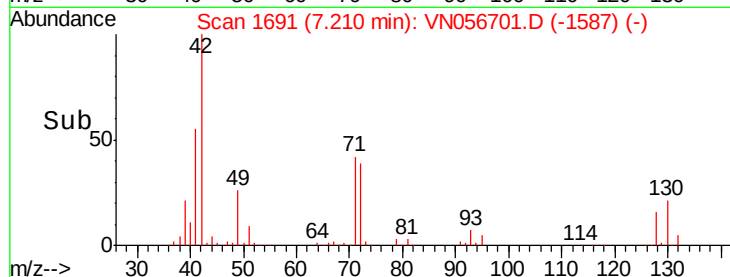
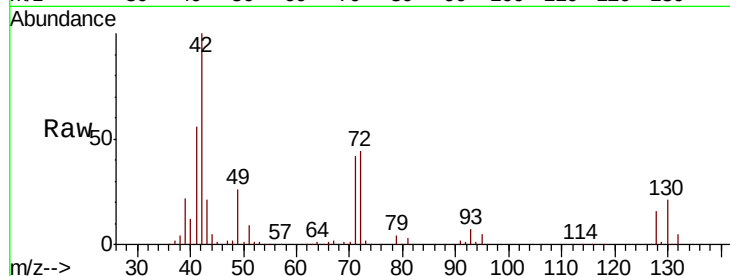




#41
Methacrylonitrile
Concen: 352.378 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

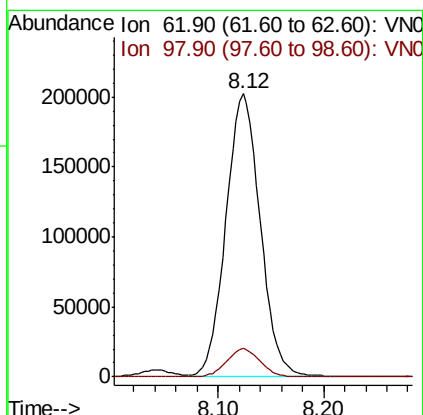
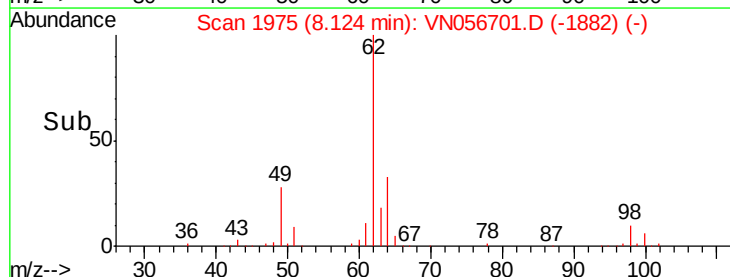
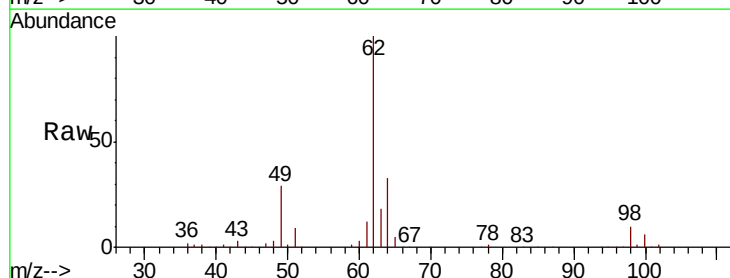
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

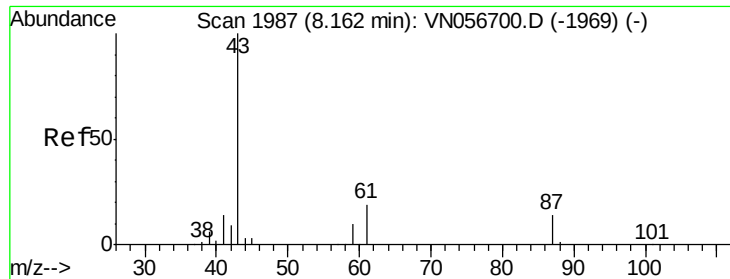
Tot Ion:	41	Resp:	698735
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 97.478 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion:	62	Resp:	454326
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 110.174 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

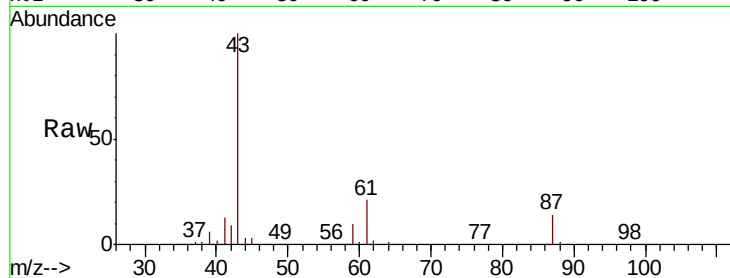
Tot Ion: 43 Resp: 773459

Ion Ratio Lower Upper

43 100

61 27.6 22.3 33.5

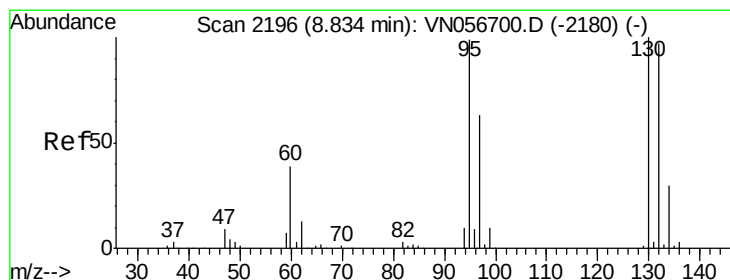
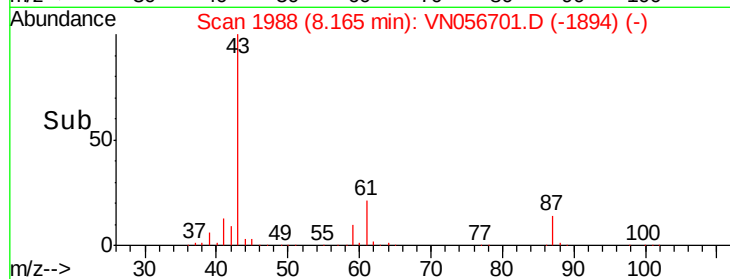
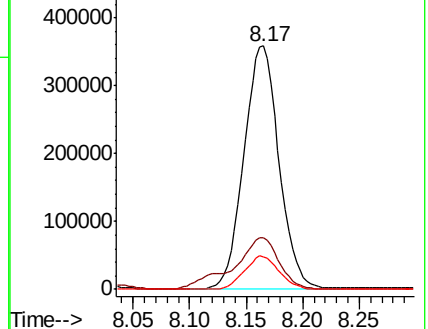
87 13.6 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056701.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN056701.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN056701.D (-1988) (-)



#44

Trichloroethene

Concen: 101.279 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056701.D

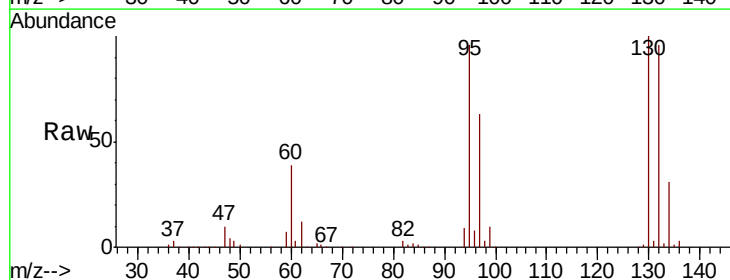
Acq: 15 Jul 2019 10:20

Tgt Ion:130 Resp: 385517

Ion Ratio Lower Upper

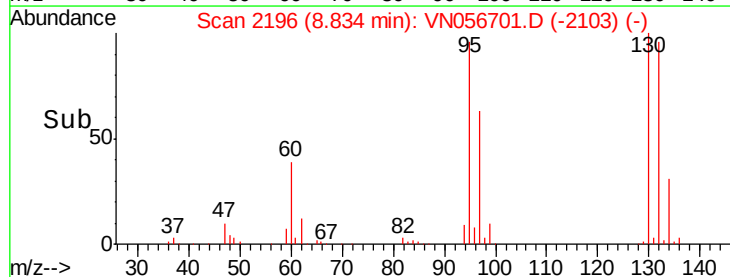
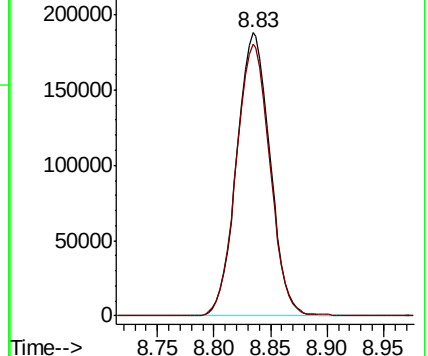
130 100

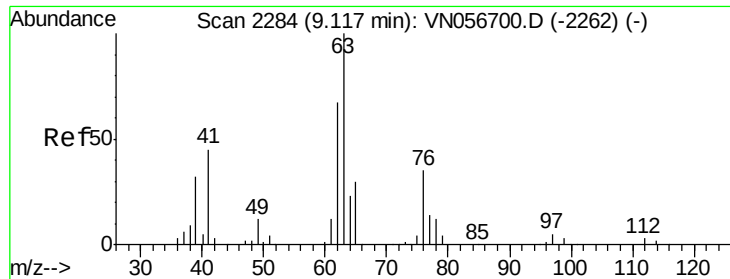
95 96.0 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056701.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN056701.D (-2196) (-)

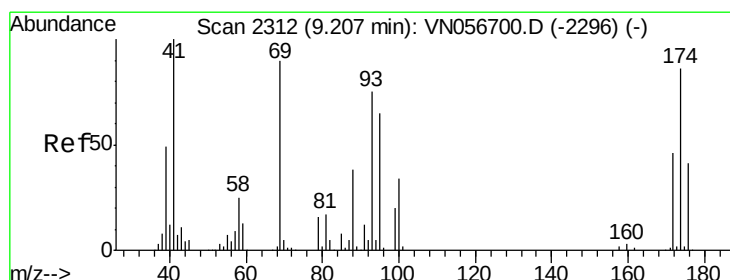
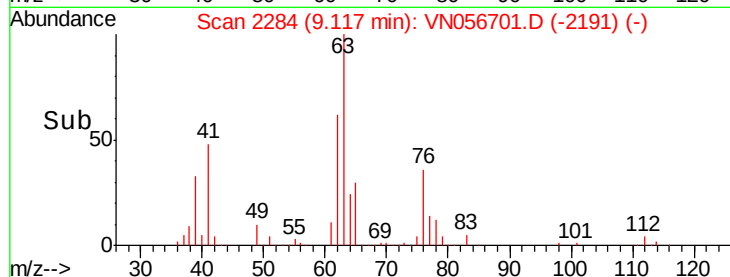
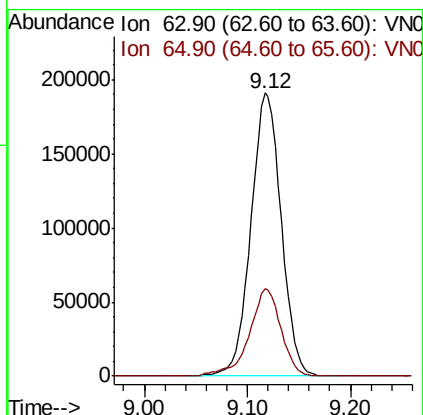
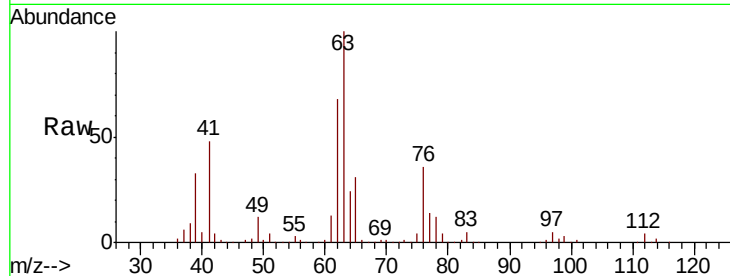




#45
 1,2-Dichloropropane
 Concen: 102.352 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

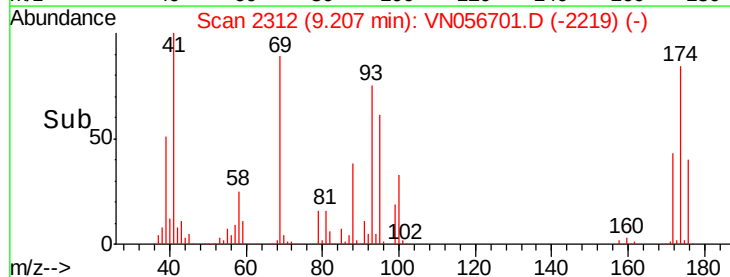
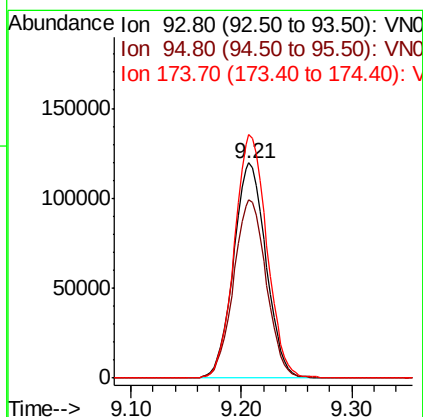
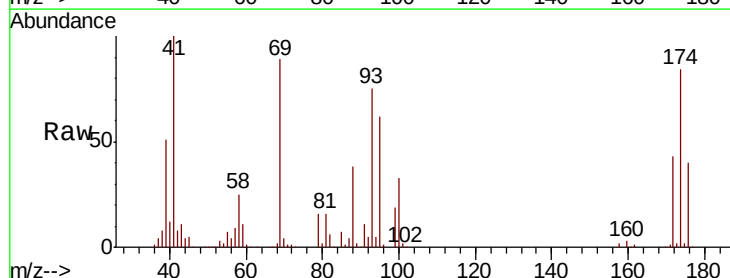
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

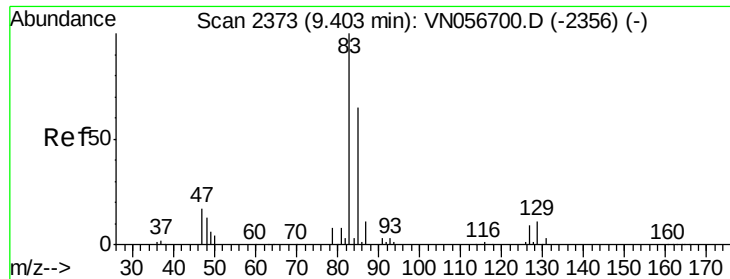
Tot Ion: 63 Resp: 388068
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.0 36.0



#46
 Dibromomethane
 Concen: 103.238 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 93 Resp: 244626
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.4 101.0
 174 112.6 90.3 135.5





#47

Bromodichloromethane

Concen: 110.002 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

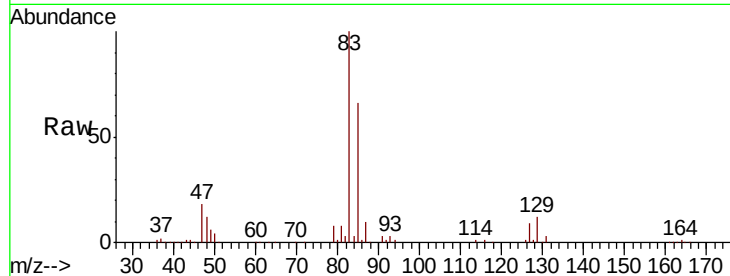
Tot Ion: 83 Resp: 466380

Ion Ratio Lower Upper

83 100

85 65.7 52.3 78.5

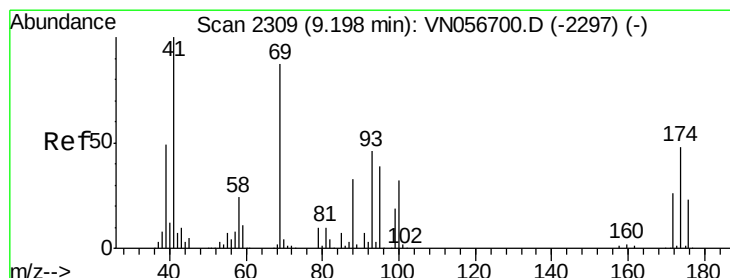
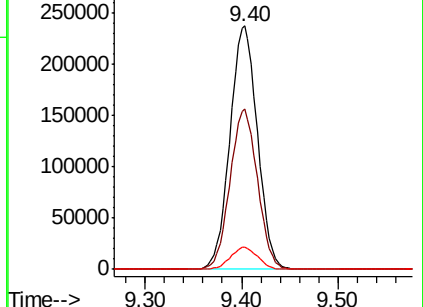
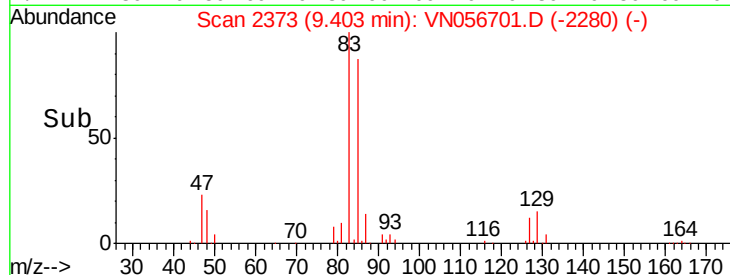
127 9.1 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN056701.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056701.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056701.D (-2280) (-)



#48

Methyl methacrylate

Concen: 107.679 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

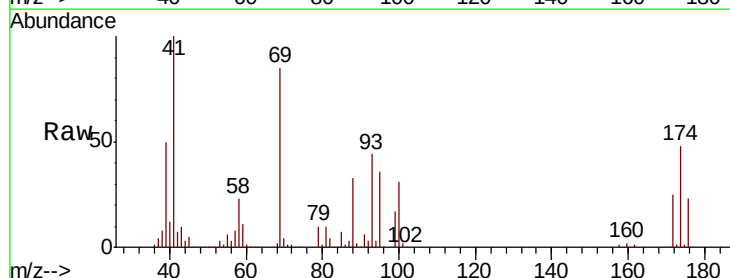
Tgt Ion: 41 Resp: 379487

Ion Ratio Lower Upper

41 100

69 88.6 71.4 107.0

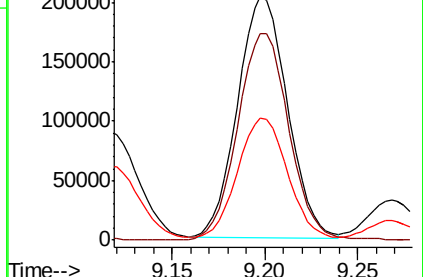
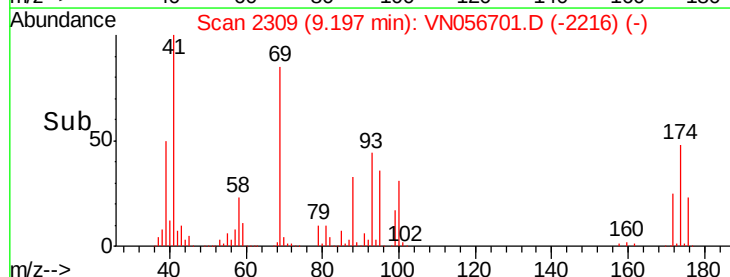
39 51.5 41.2 61.8

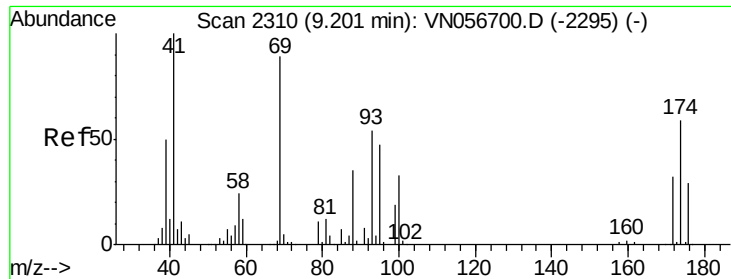


Abundance Ion 41.00 (40.70 to 41.70): VN056701.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056701.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056701.D (-2216) (-)

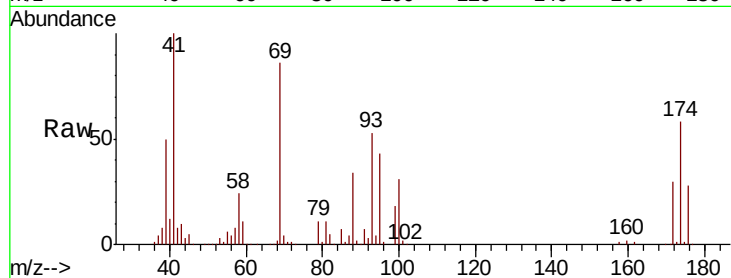




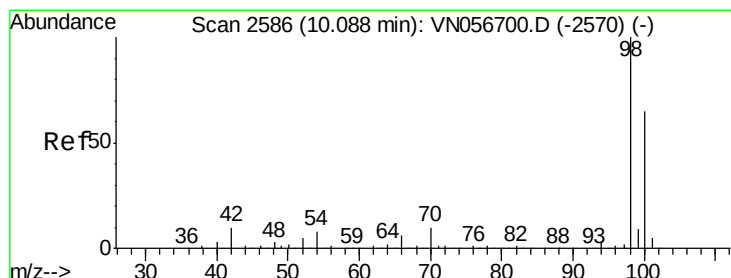
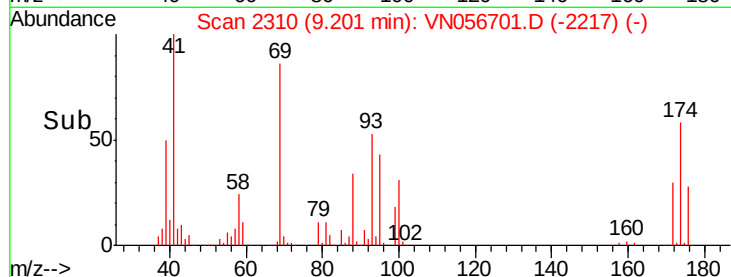
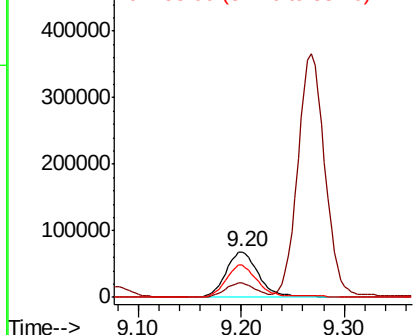
#49
 1,4-Dioxane
 Concen: 2103.199 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 88 Resp: 152625
 Ion Ratio Lower Upper
 88 100
 43 28.5 23.7 35.5
 58 67.2 55.6 83.4

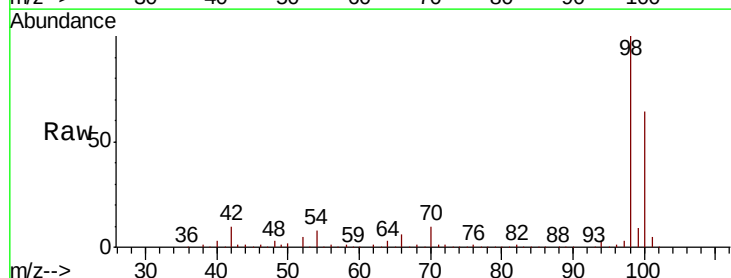


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

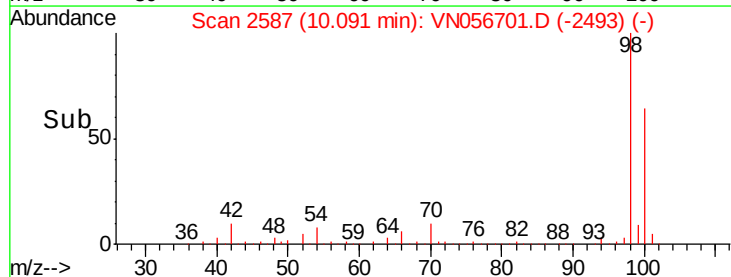
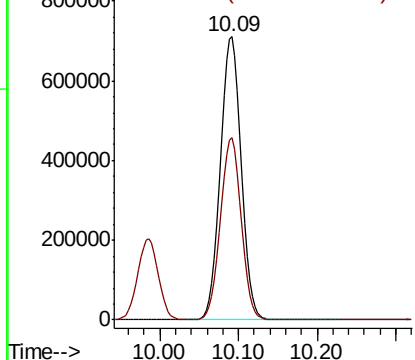


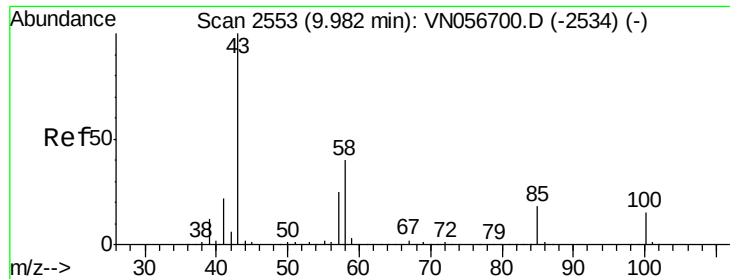
#50
 Toluene-d8
 Concen: 102.819 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 98 Resp: 1293377
 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: 539.209 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

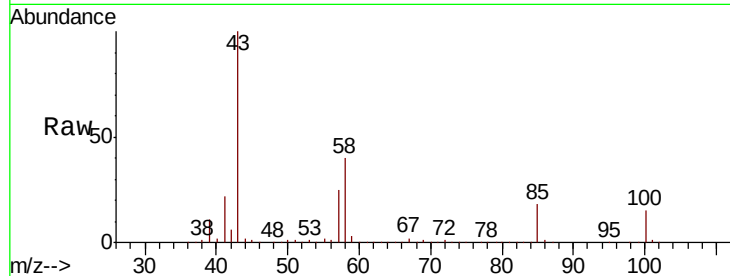
VSTDIC100

Tot Ion: 43 Resp: 2444359

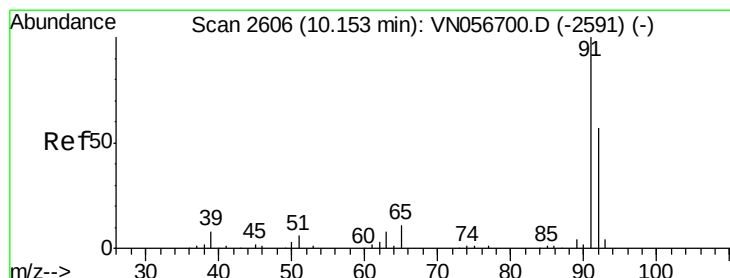
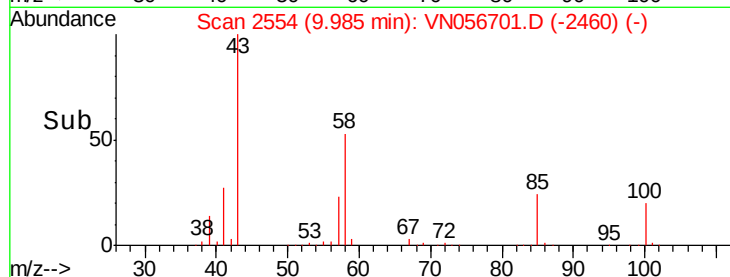
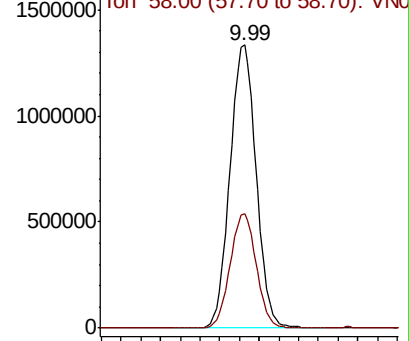
Ion Ratio Lower Upper

43 100

58 40.3 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)



#52

Toluene

Concen: 102.514 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056701.D

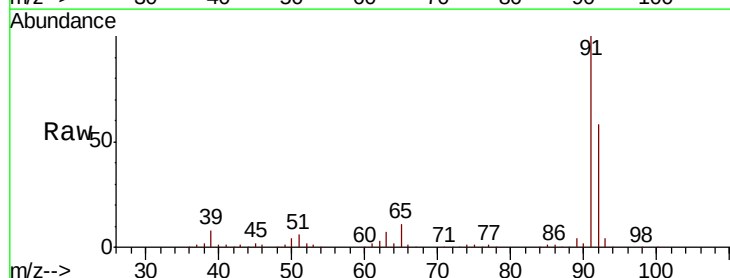
Acq: 15 Jul 2019 10:20

Tgt Ion: 92 Resp: 888313

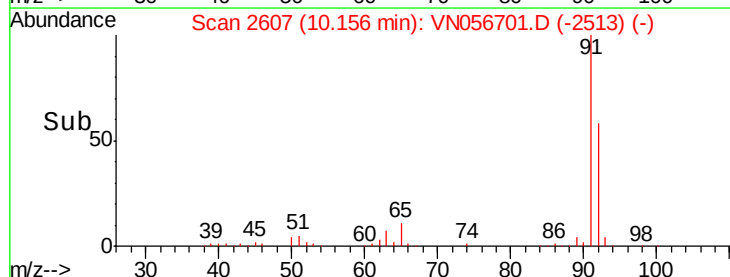
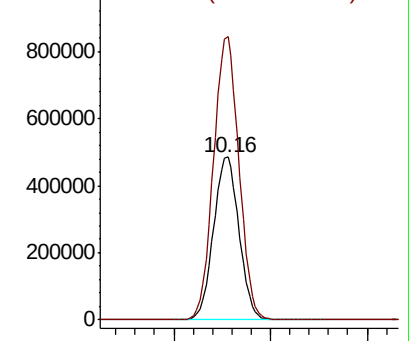
Ion Ratio Lower Upper

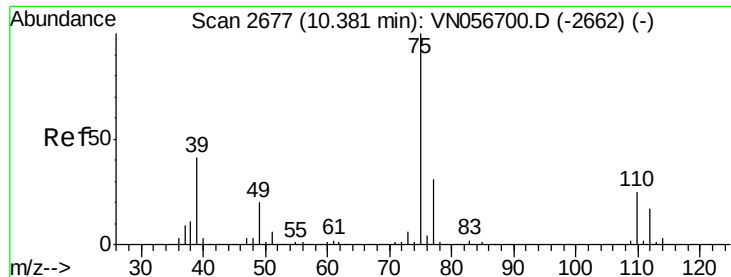
92 100

91 173.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN056700.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 122.723 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

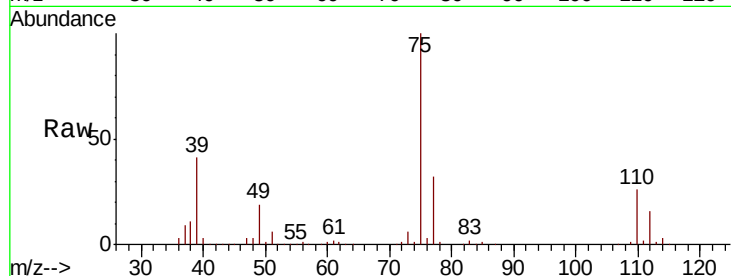
VSTDIC100

Tot Ion: 75 Resp: 526527

Ion Ratio Lower Upper

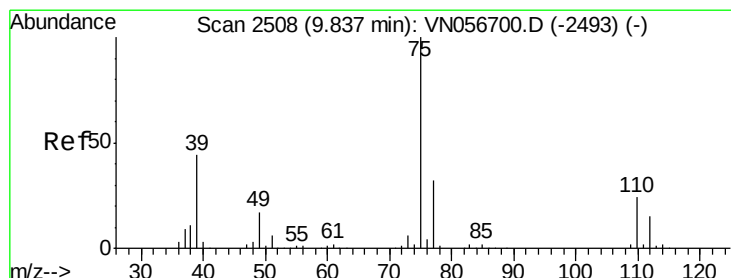
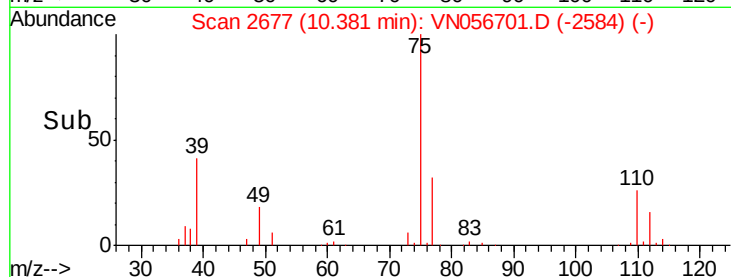
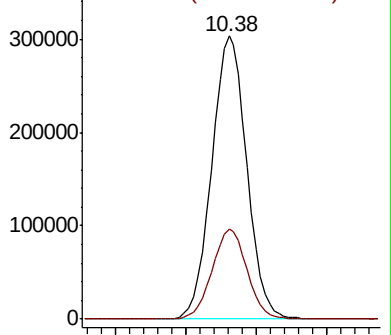
75 100

77 31.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 115.638 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

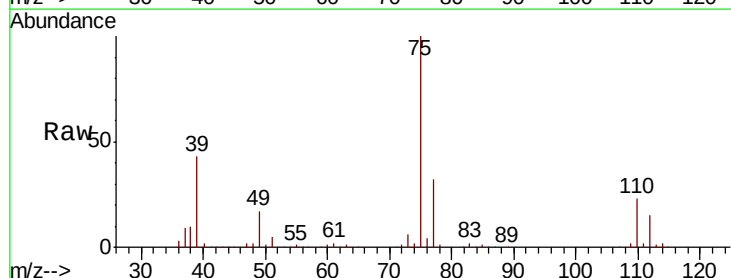
Tgt Ion: 75 Resp: 588857

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0

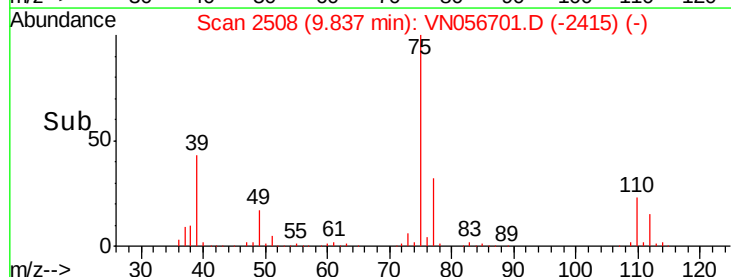
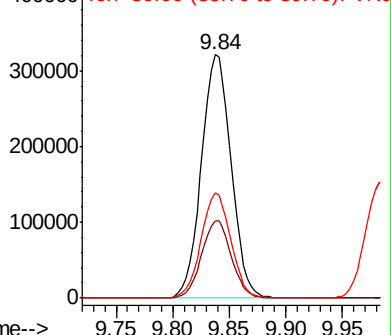
39 43.0 35.1 52.7

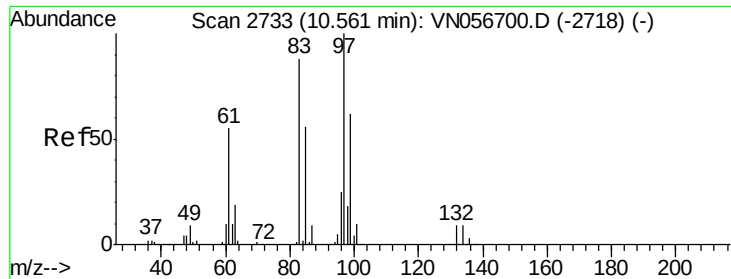


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

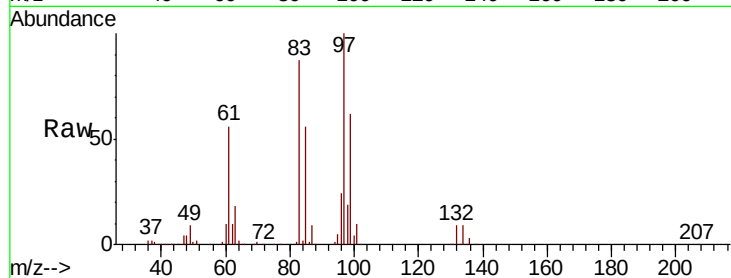




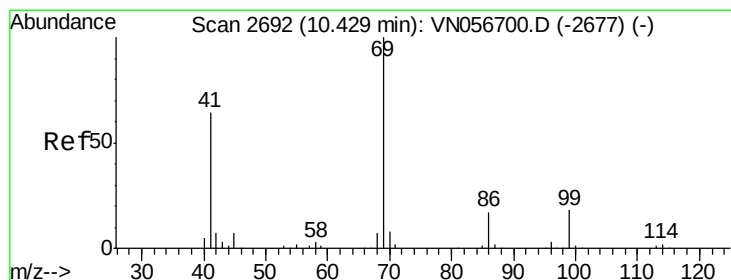
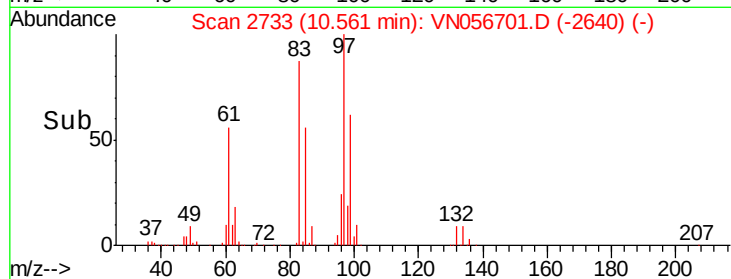
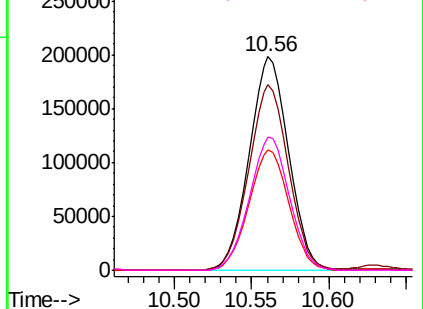
#55
 1,1,2-Trichloroethane
 Concen: 101.179 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 351913
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.3 105.5
 85 56.4 44.8 67.2
 99 62.4 49.6 74.4

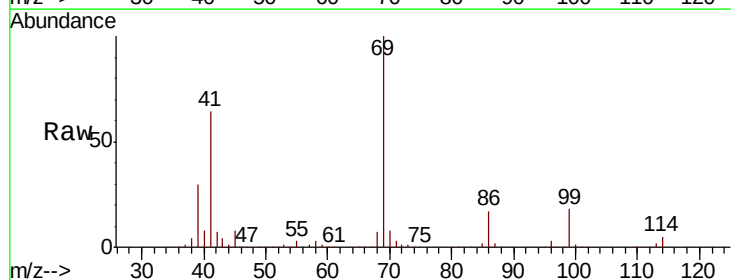


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

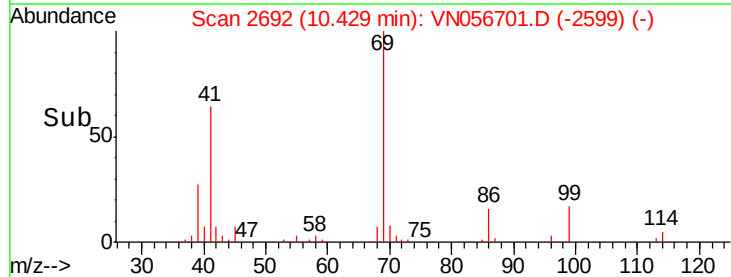
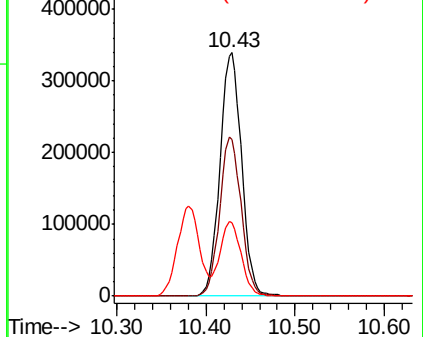


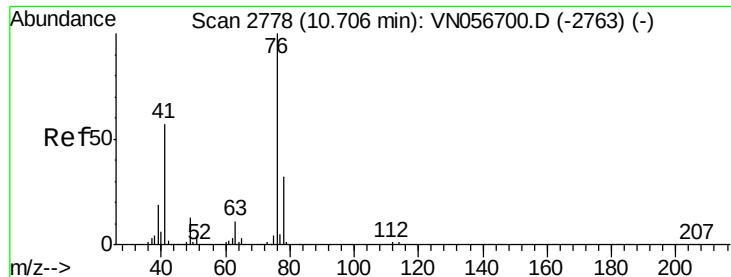
#56
 Ethyl methacrylate
 Concen: 111.466 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 69 Resp: 570740
 Ion Ratio Lower Upper
 69 100
 41 64.1 51.0 76.4
 39 29.6 24.6 36.8



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

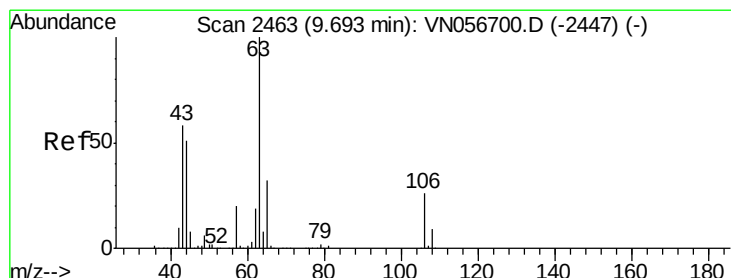
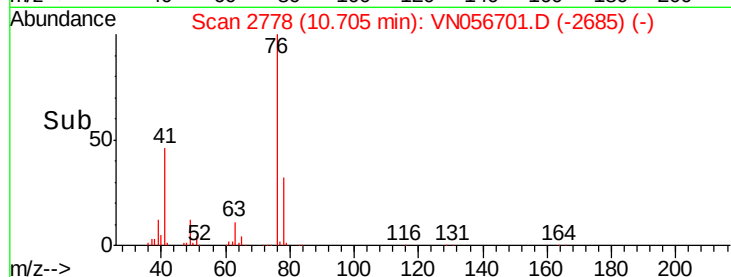
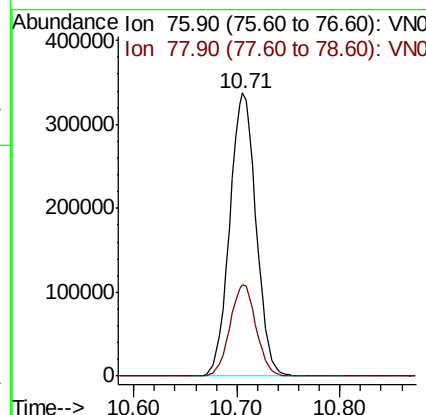
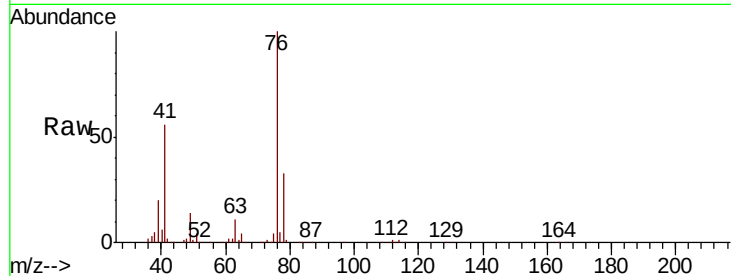




#57
 1,3-Dichloropropane
 Concen: 102.607 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

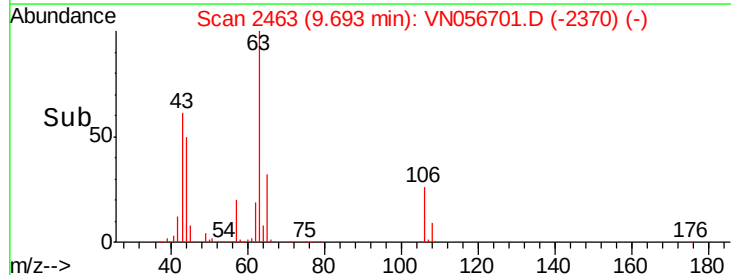
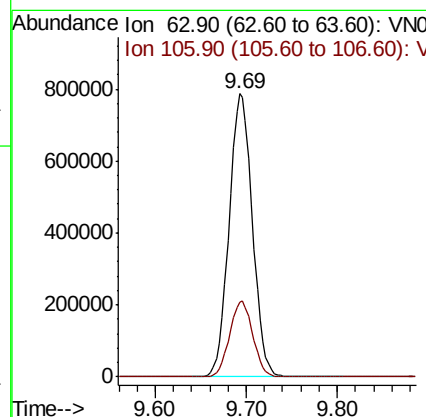
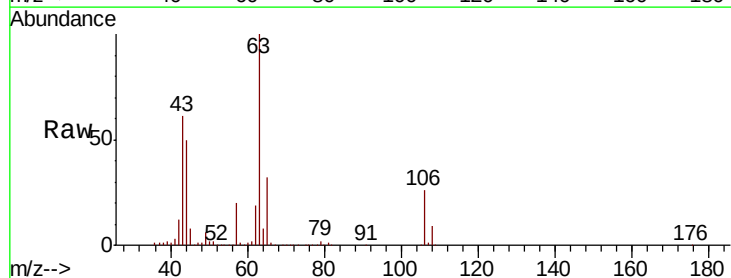
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

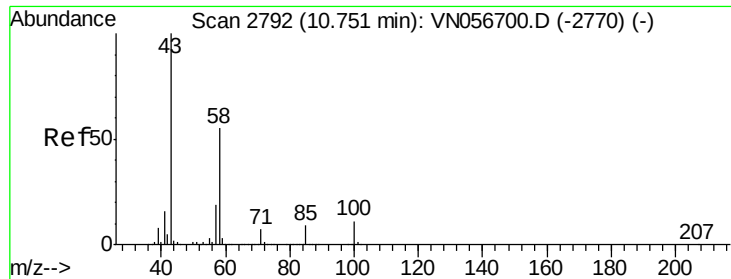
Tot Ion: 76 Resp: 598967
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 712.727 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 63 Resp: 1397649
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.2 31.8

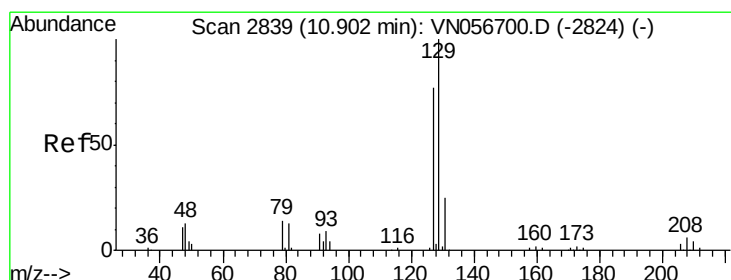
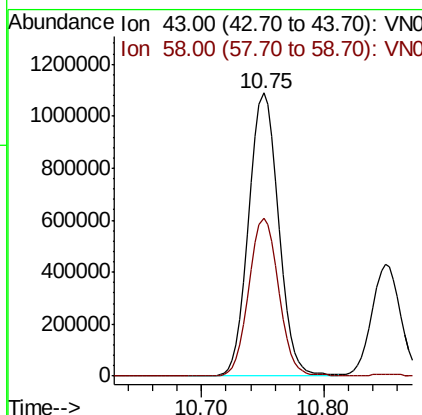
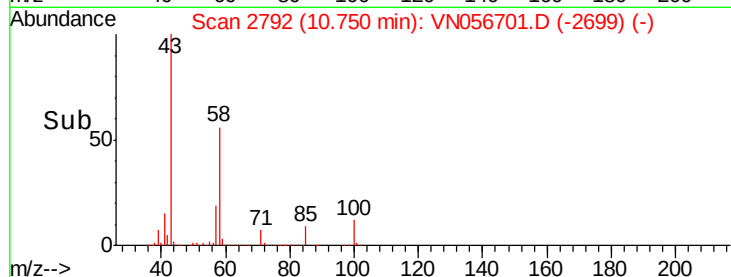
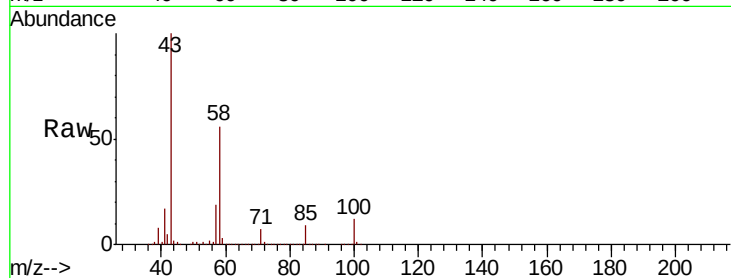




#59
2-Hexanone
Concen: 549.276 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

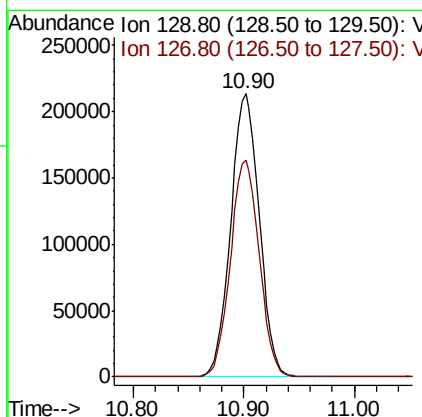
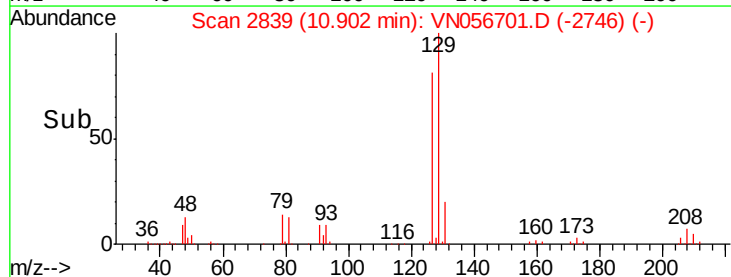
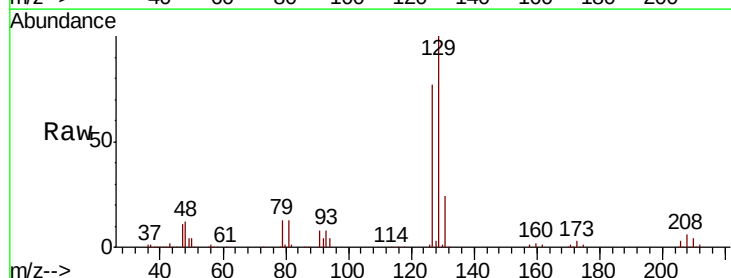
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

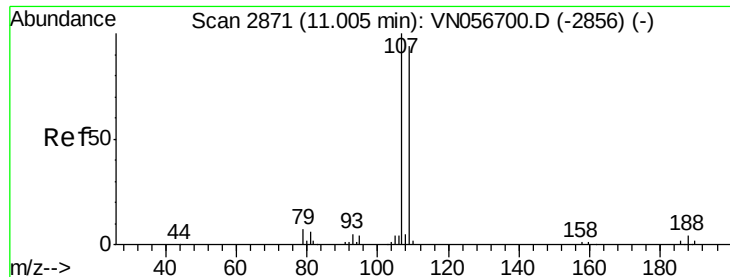
Tot Ion: 43 Resp: 1836183
Ion Ratio Lower Upper
43 100
58 56.0 27.9 83.6



#60
Dibromochloromethane
Concen: 119.586 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 129 Resp: 382902
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6





#61

1,2-Dibromoethane

Concen: 107.176 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

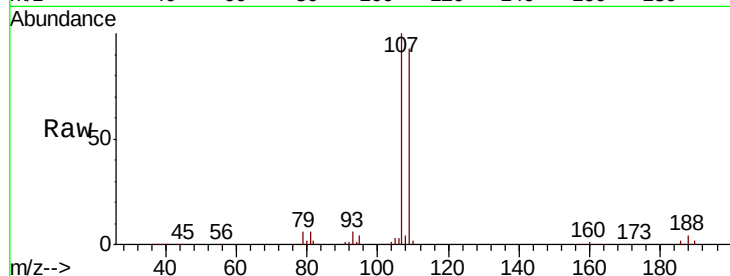
VSTDIC100

Tot Ion:107 Resp: 380696

Ion Ratio Lower Upper

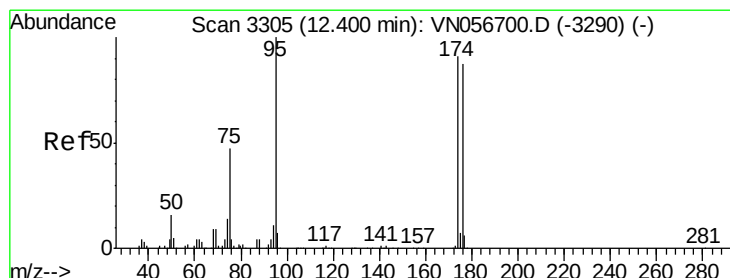
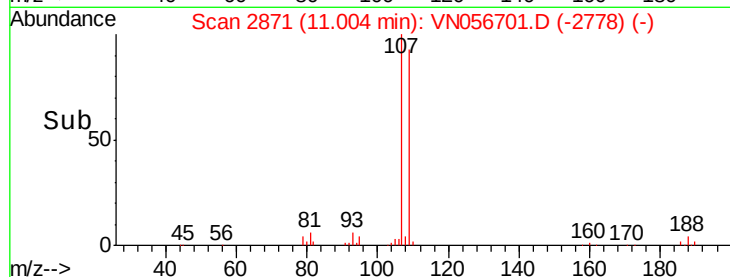
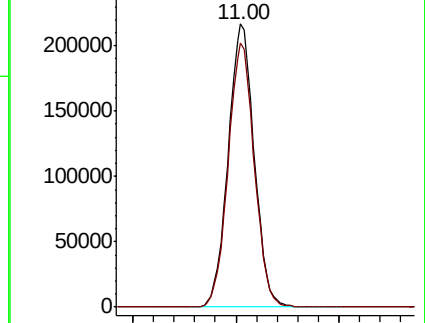
107 100

109 93.7 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 108.125 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

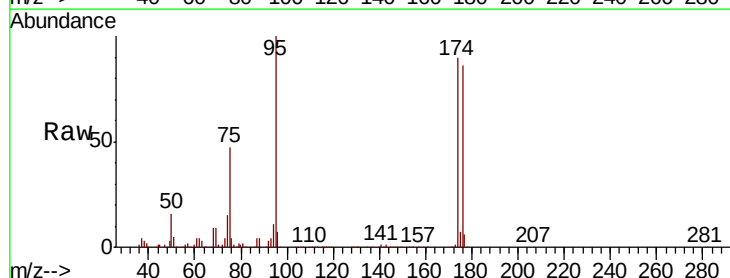
Tgt Ion: 95 Resp: 454261

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

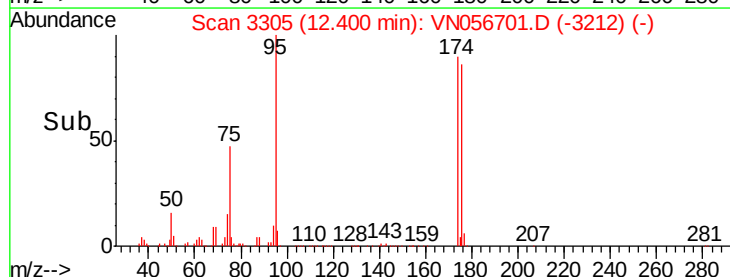
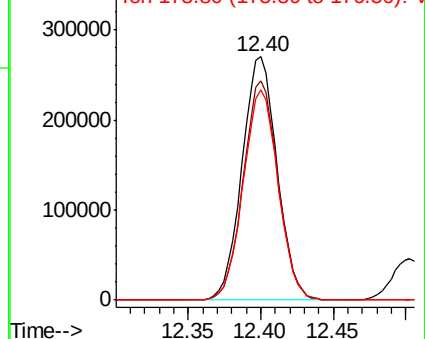
176 86.2 0.0 173.2

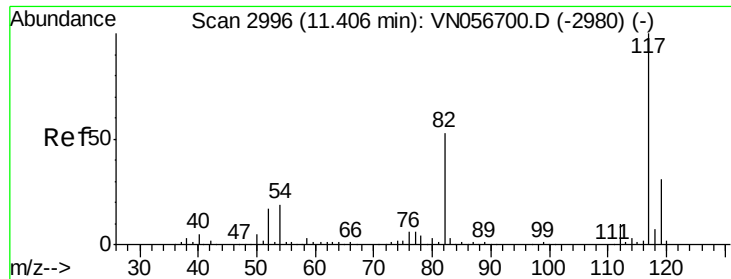


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

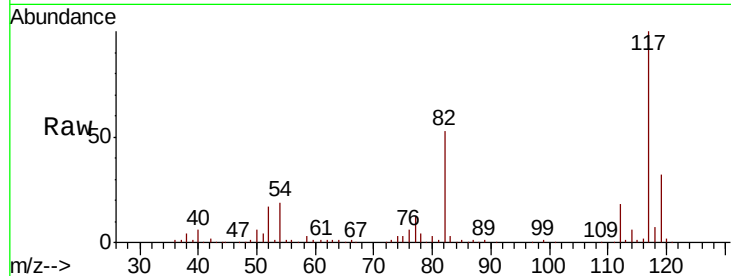




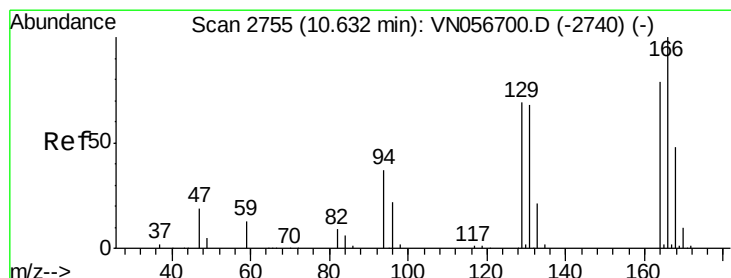
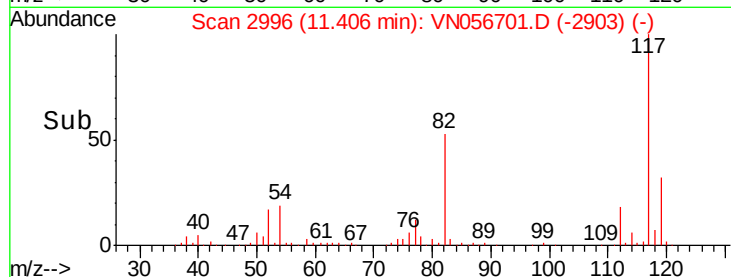
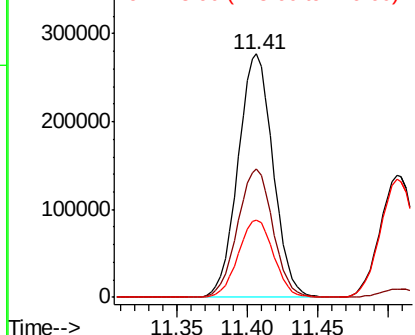
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 481151
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.2
119 31.9 25.2 37.8

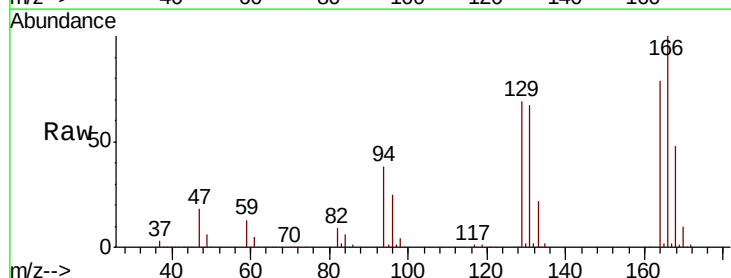


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

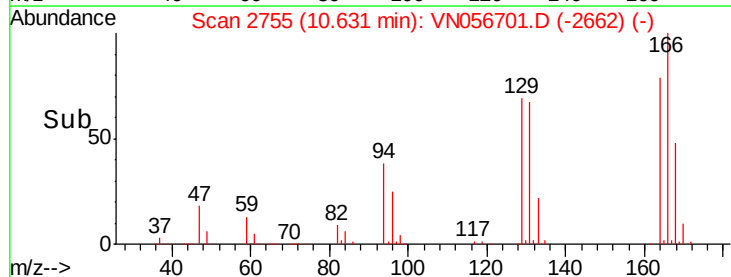
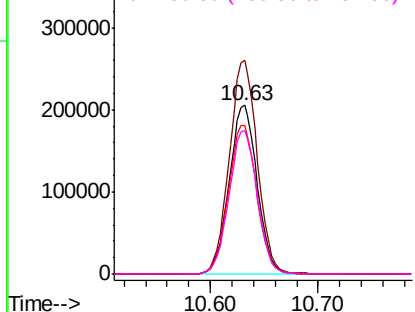


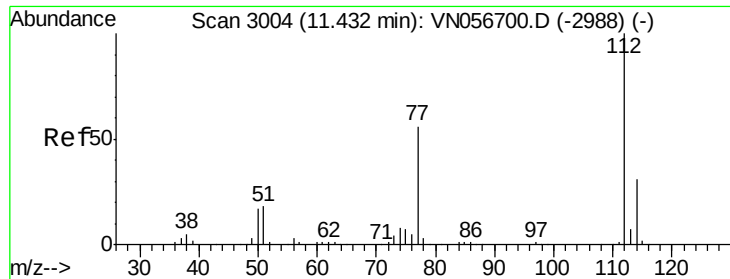
#64
Tetrachloroethene
Concen: 96.482 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion:164 Resp: 371007
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.2
129 87.8 69.6 104.4
131 85.3 69.0 103.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

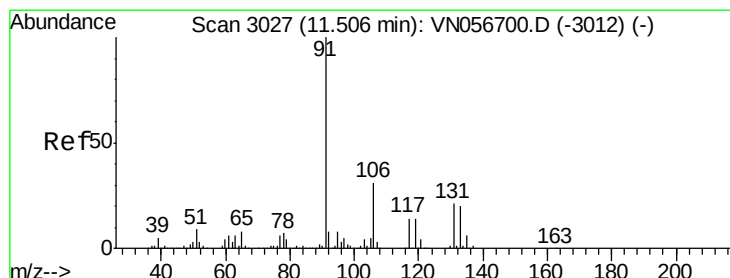
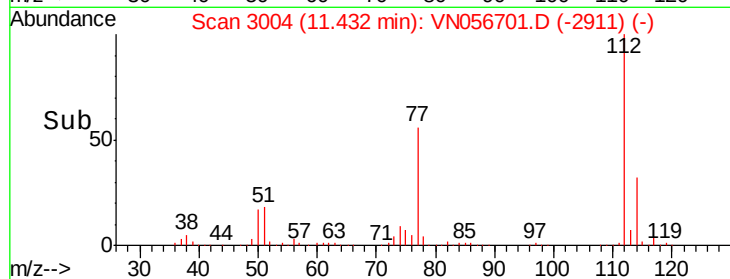
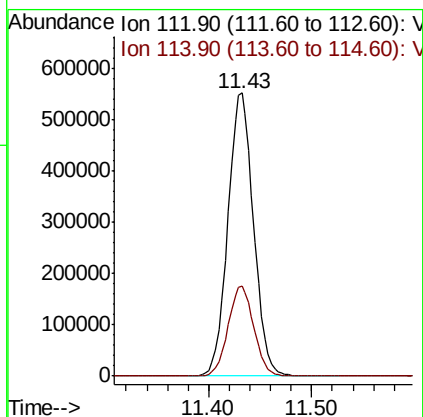
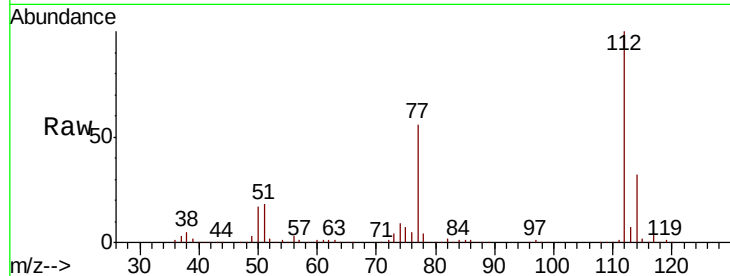




#65
Chlorobenzene
Concen: 98.659 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

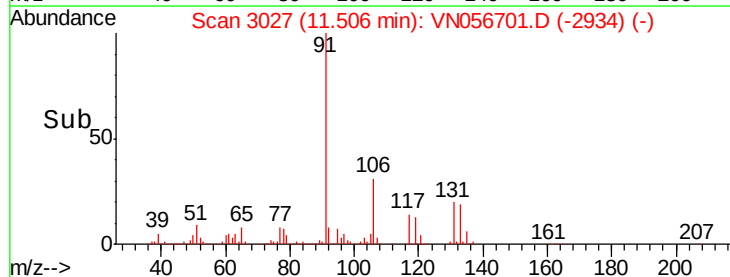
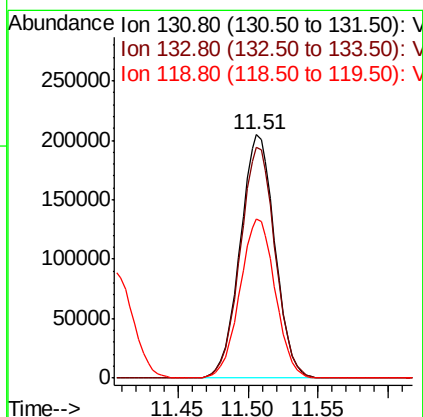
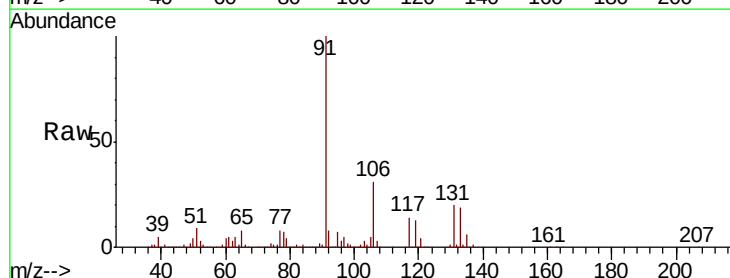
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

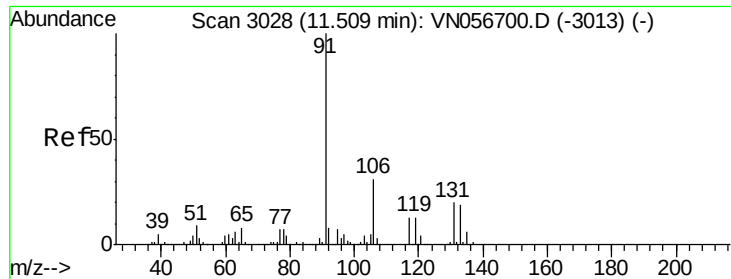
Tot Ion:112 Resp: 954901
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 106.990 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion:131 Resp: 353616
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.7
119 66.4 32.8 98.3





#67

Ethyl Benzene

Concen: 100.596 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

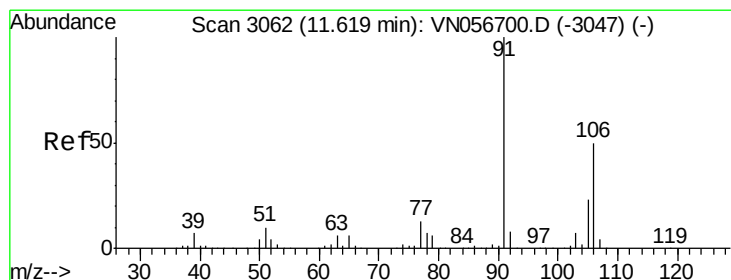
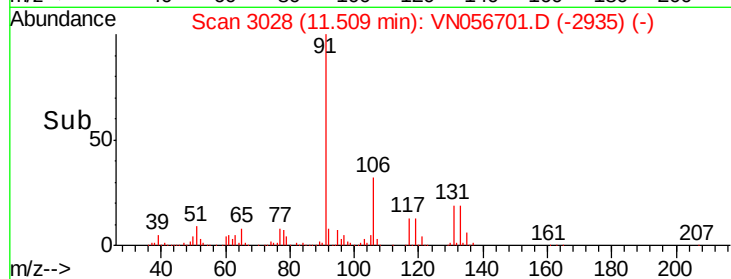
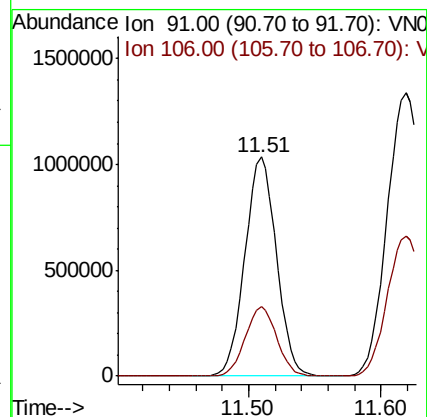
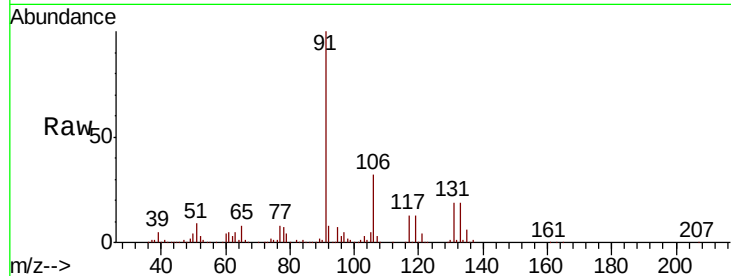
VSTDIC100

Tot Ion: 91 Resp: 1713524

Ion Ratio Lower Upper

91 100

106 31.5 24.8 37.2



#68

m/p-Xylenes

Concen: 206.783 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056701.D

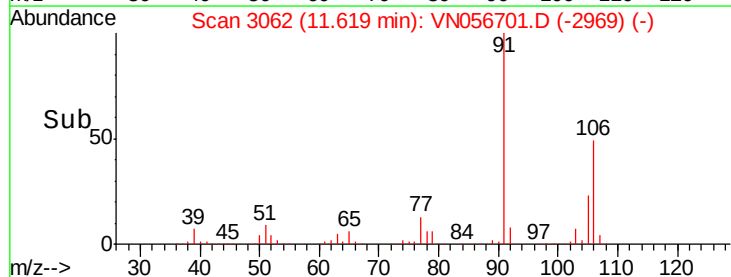
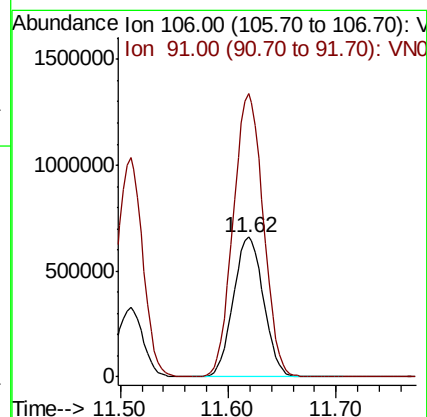
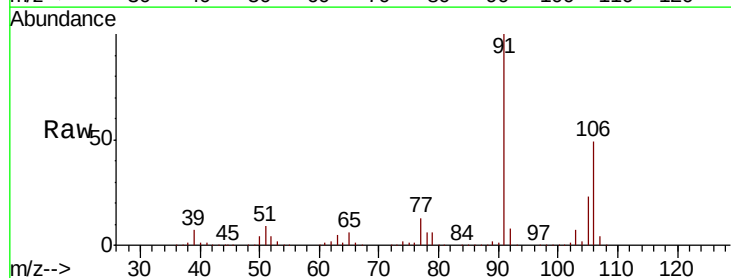
Acq: 15 Jul 2019 10:20

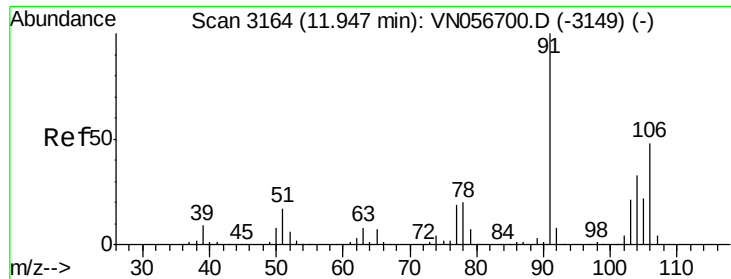
Tgt Ion:106 Resp: 1291723

Ion Ratio Lower Upper

106 100

91 201.7 160.5 240.7

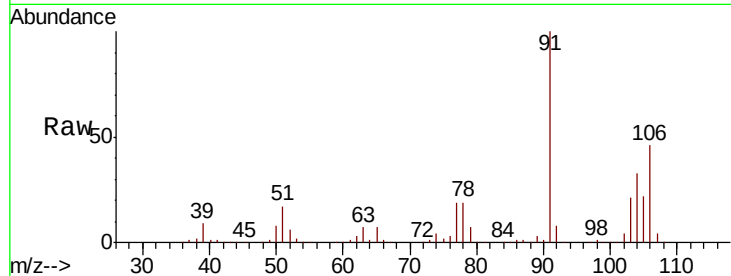




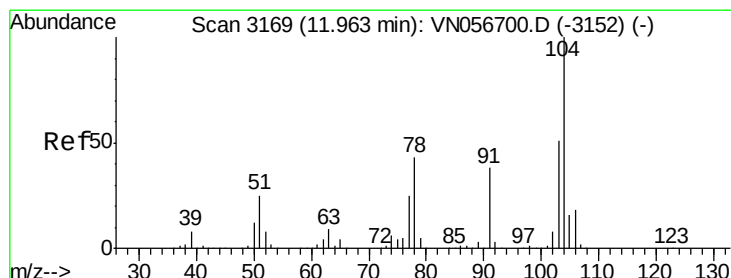
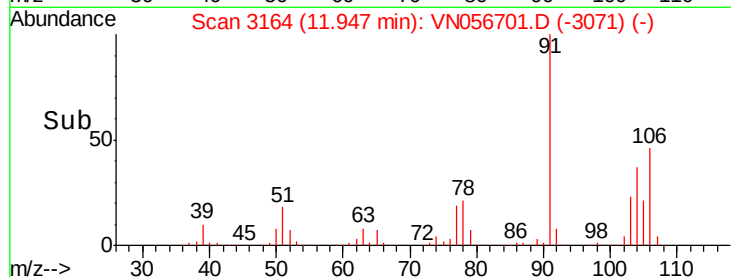
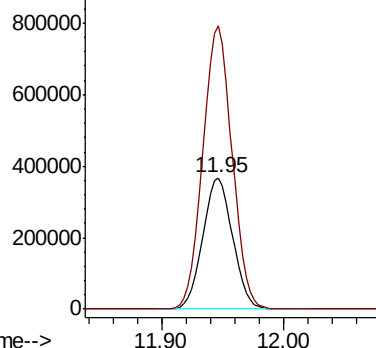
#69
o-Xylene
Concen: 100.668 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 622010
Ion Ratio Lower Upper
106 100
91 212.5 105.6 316.8

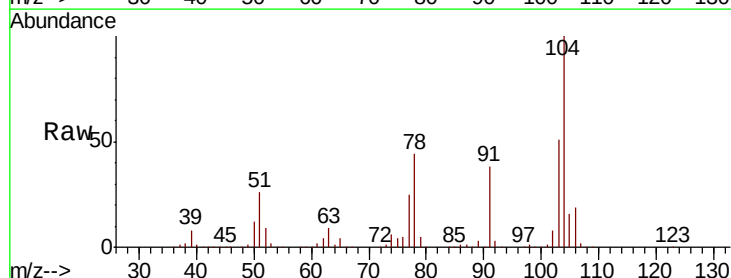


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

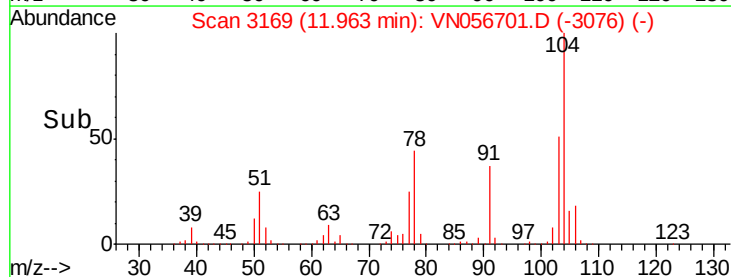
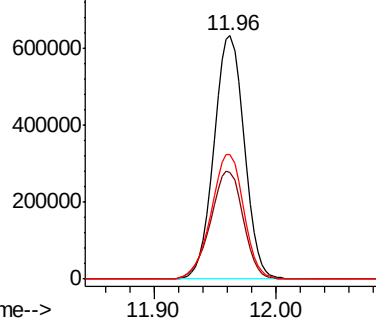


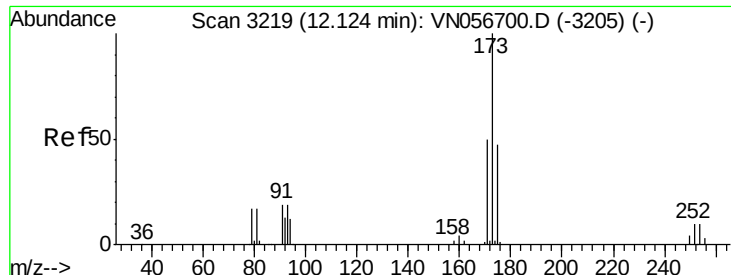
#70
Styrene
Concen: 109.376 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion:104 Resp: 1081180
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 55.3 44.2 66.4



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





#71

Bromoform

Concen: 126.343 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

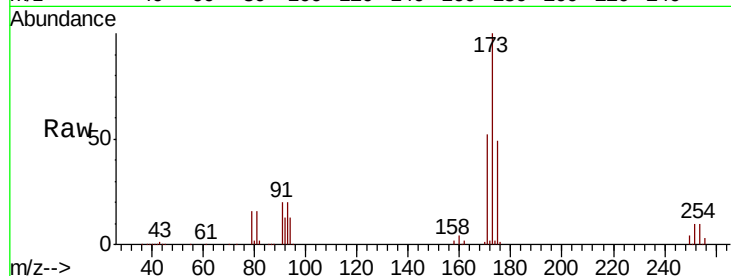
Tot Ion:173 Resp: 296106

Ion Ratio Lower Upper

173 100

175 48.6 23.8 71.4

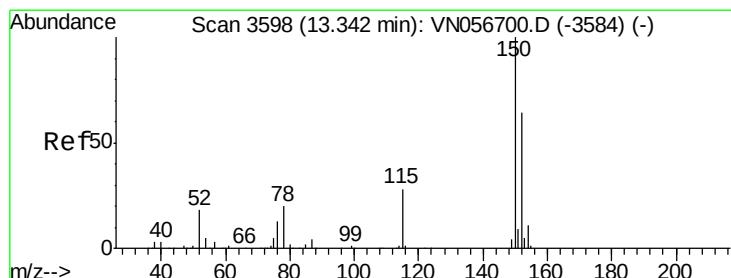
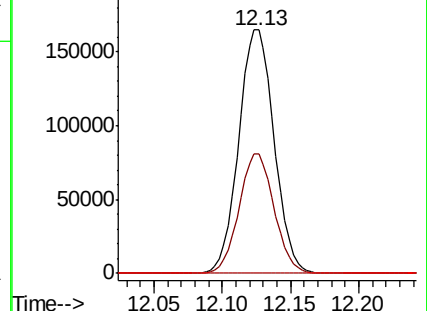
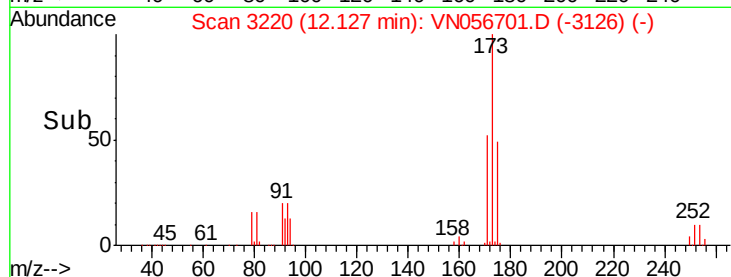
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

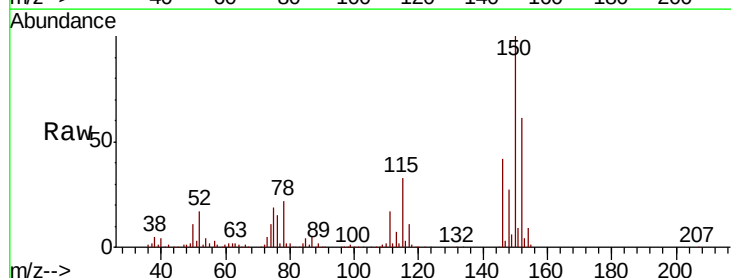
Tgt Ion:152 Resp: 229503

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

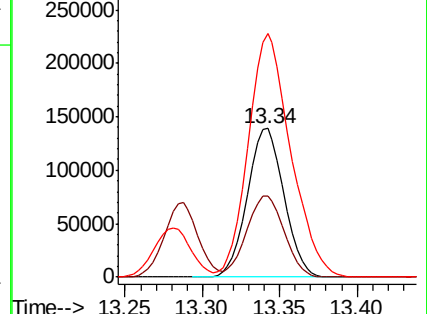
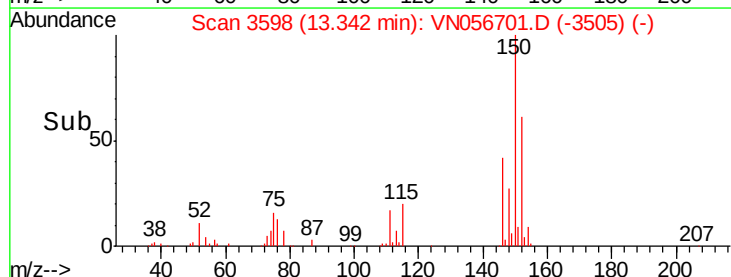
150 189.1 0.0 345.8

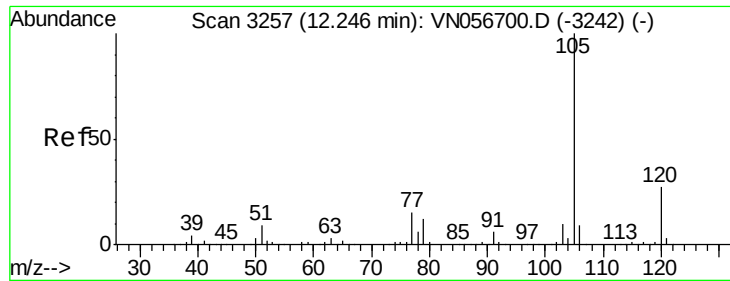


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 81.945 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

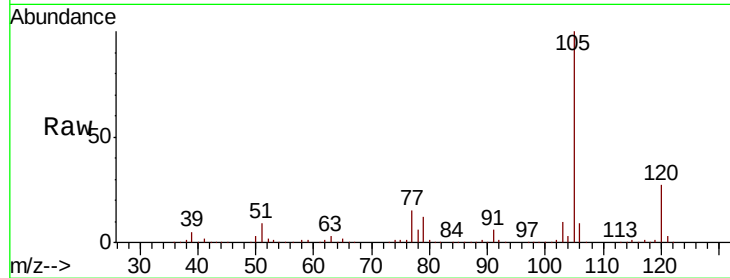
VSTDIC100

Tot Ion:105 Resp: 1645513

Ion Ratio Lower Upper

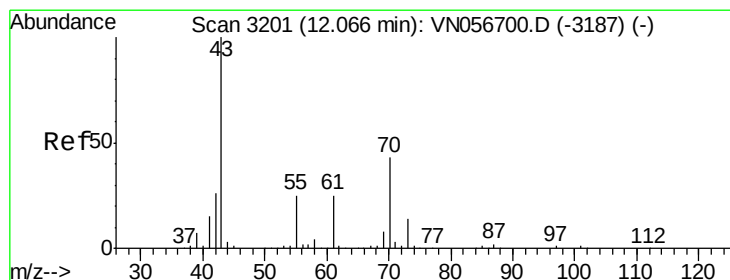
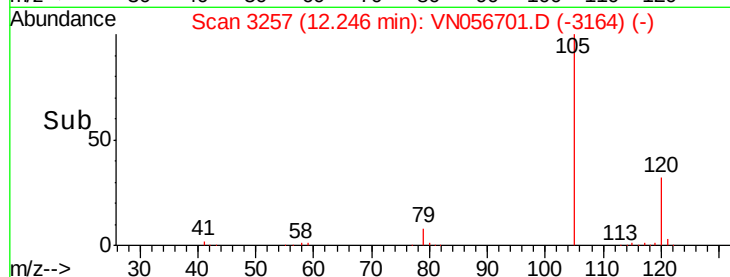
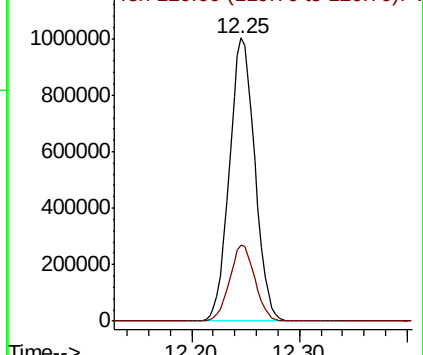
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 91.757 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Tgt Ion: 43 Resp: 669910

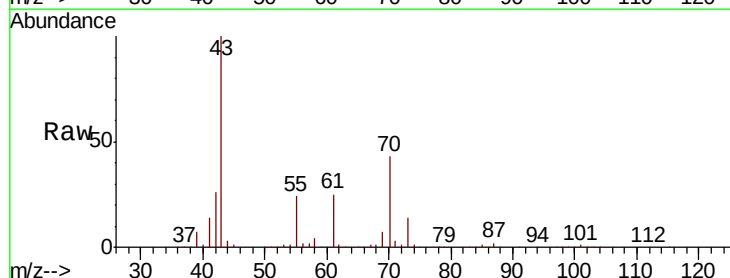
Ion Ratio Lower Upper

43 100

70 43.3 34.5 51.7

55 24.8 20.2 30.2

61 25.2 19.9 29.9

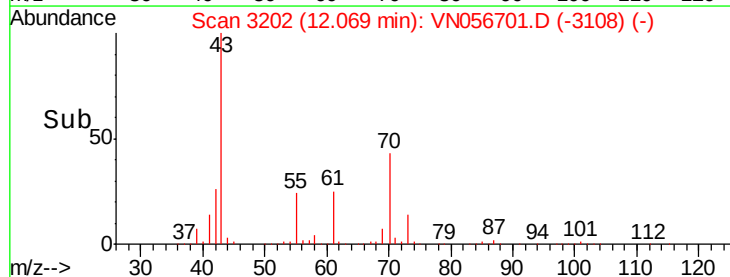
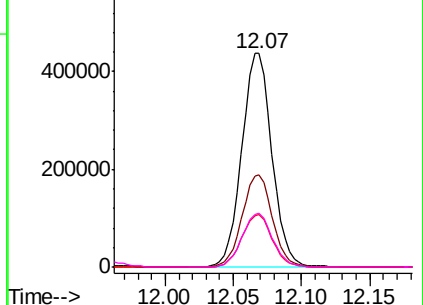


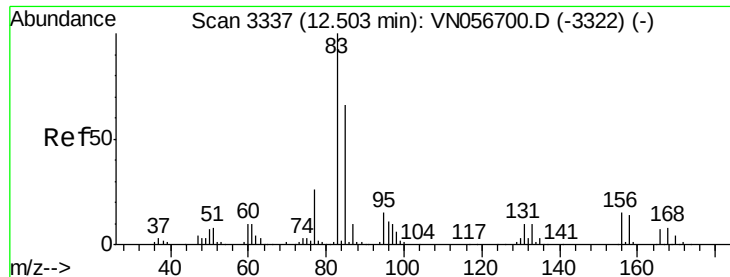
Abundance Ion 43.00 (42.70 to 43.70): V

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: 82.813 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

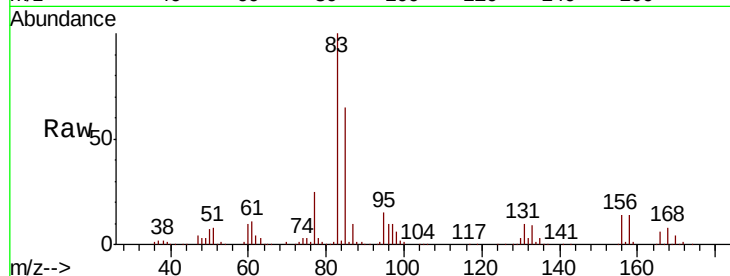
Tot Ion: 83 Resp: 520904

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

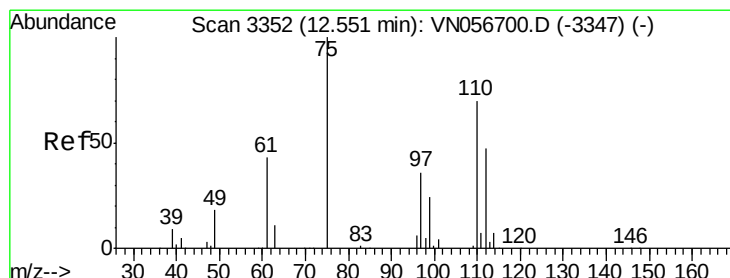
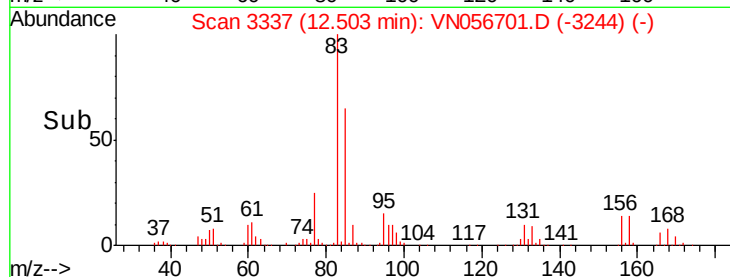
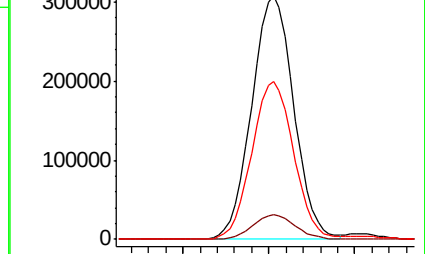
85 64.6 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN056701.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN056701.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN056701.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 138.502 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056701.D

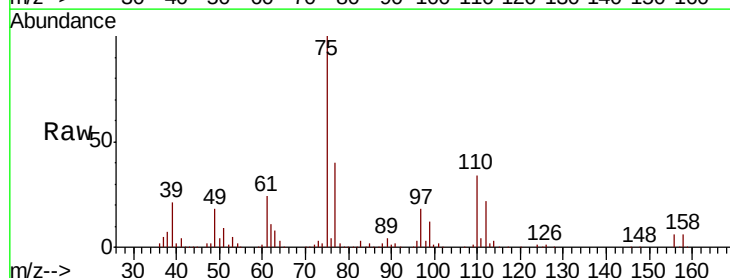
Acq: 15 Jul 2019 10:20

Tgt Ion: 75 Resp: 667928

Ion Ratio Lower Upper

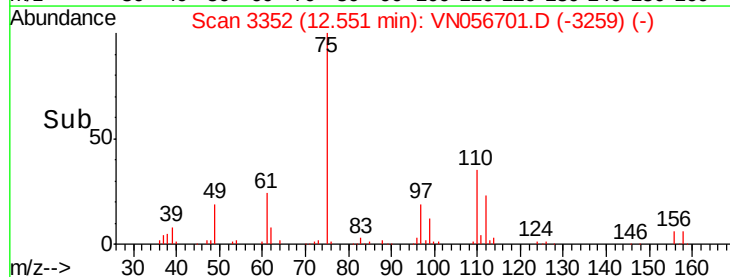
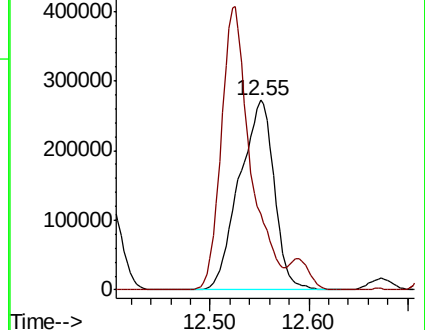
75 100

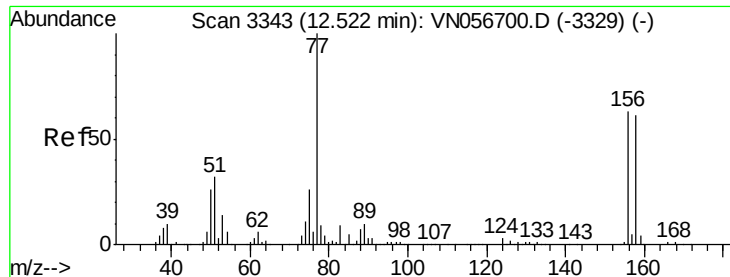
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056701.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN056701.D (-3352) (-)





#77

Bromobenzene

Concen: 86.145 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

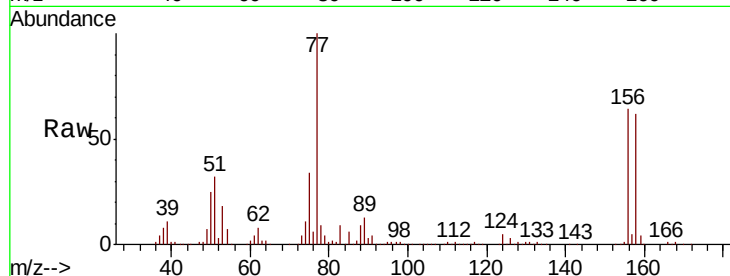
Tot Ion:156 Resp: 439053

Ion Ratio Lower Upper

156 100

77 192.1 97.2 291.6

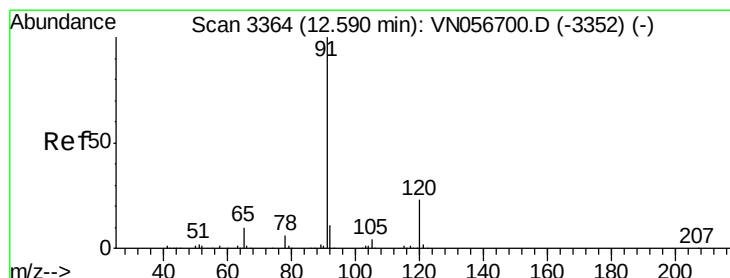
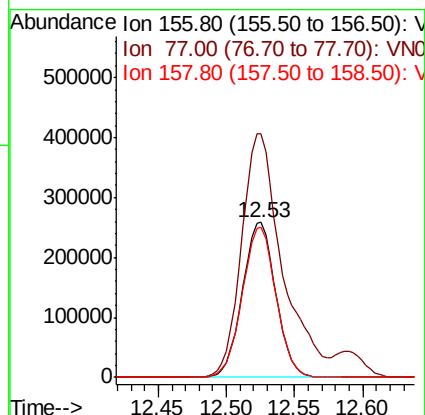
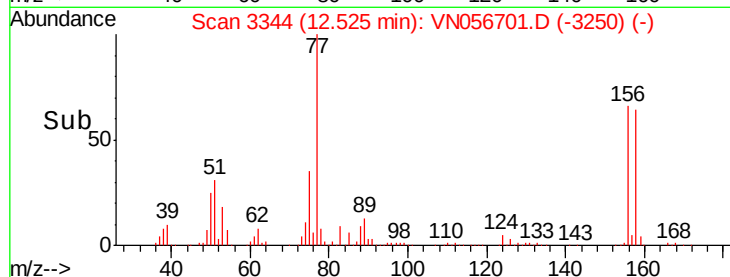
158 97.7 48.9 146.8



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: 90.073 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056701.D

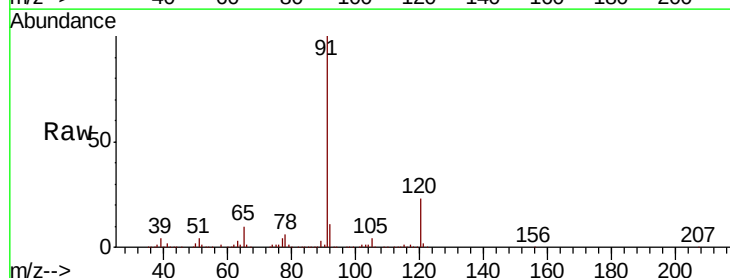
Acq: 15 Jul 2019 10:20

Tgt Ion: 91 Resp: 1890341

Ion Ratio Lower Upper

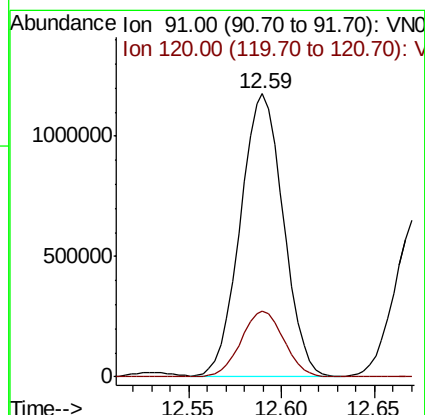
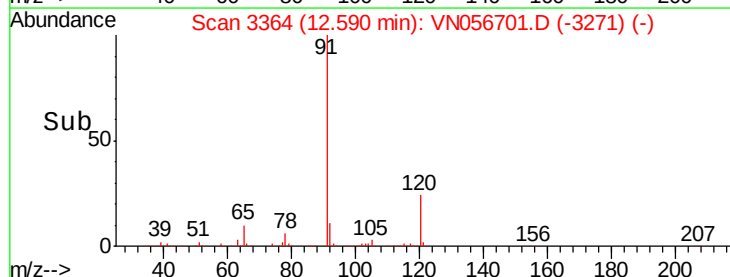
91 100

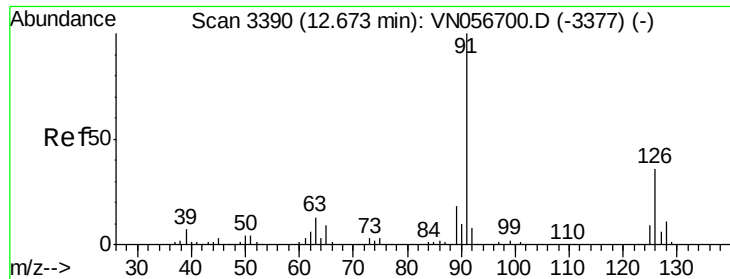
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

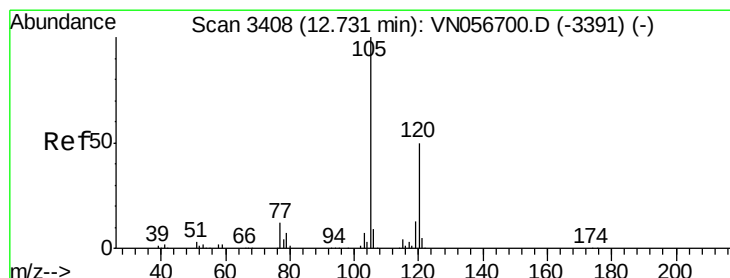
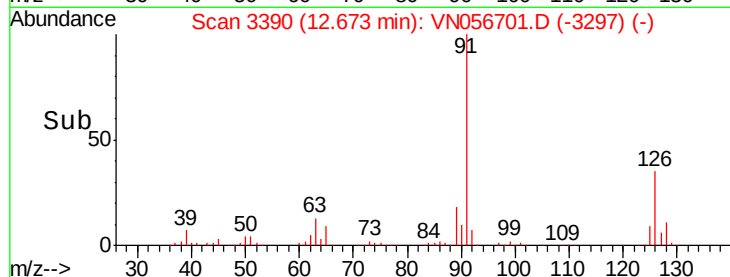
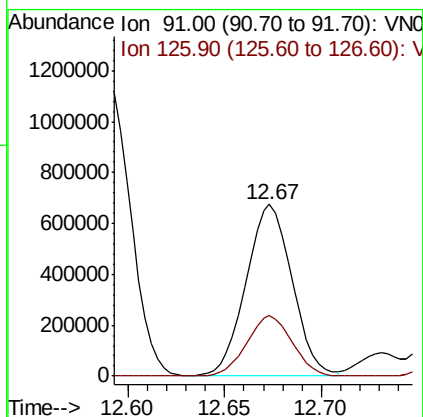
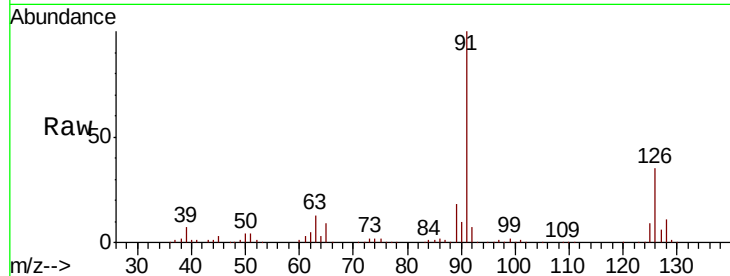




#79
 2-Chlorotoluene
 Concen: 84.617 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

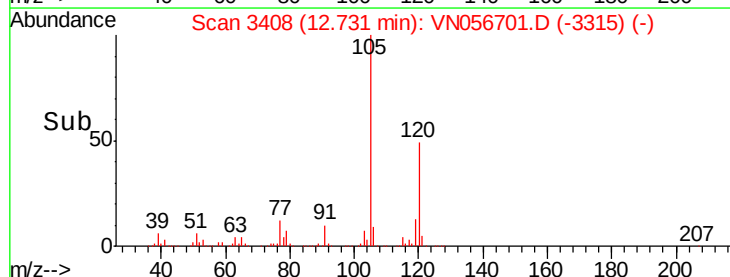
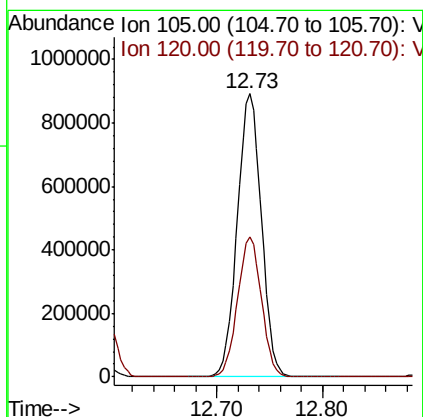
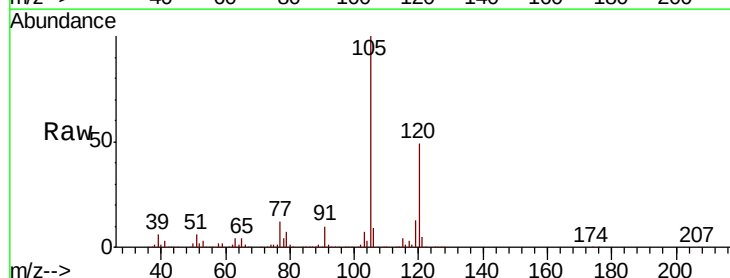
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

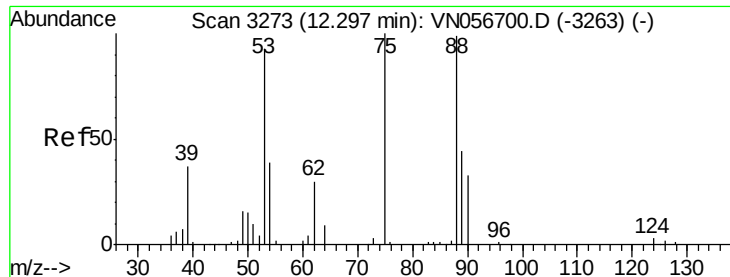
Tot Ion: 91 Resp: 1116651
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 85.697 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion: 105 Resp: 1407224
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 124.076 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

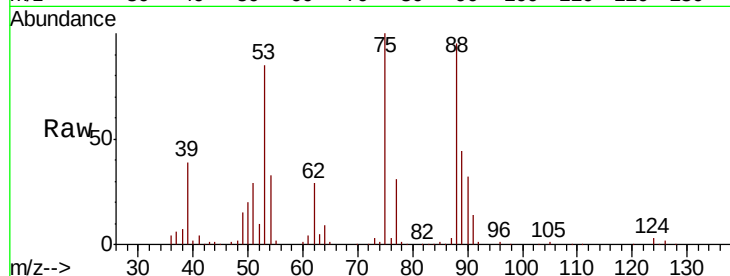
Tot Ion: 75 Resp: 174689

Ion Ratio Lower Upper

75 100

53 84.0 73.7 110.5

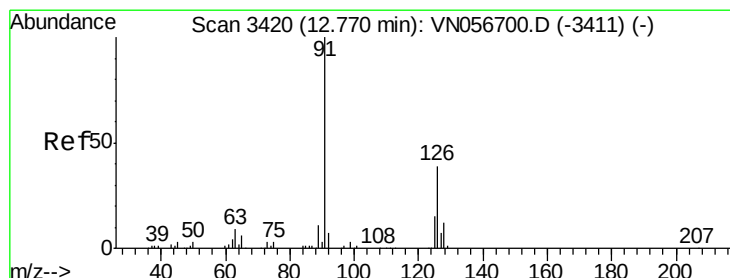
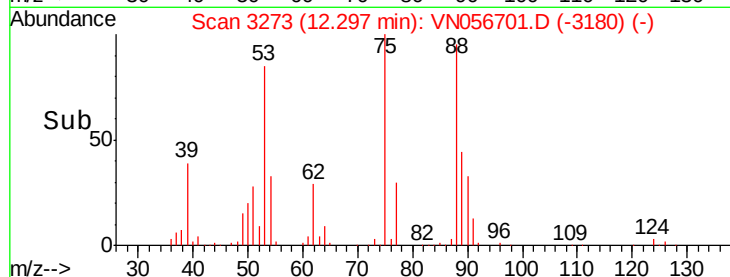
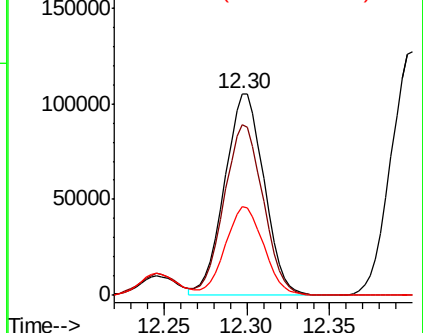
89 42.8 36.2 54.2



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: 91.153 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056701.D

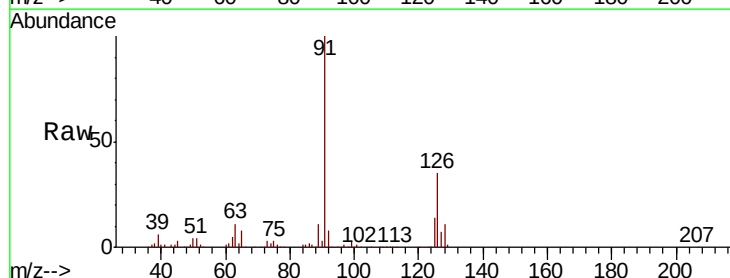
Acq: 15 Jul 2019 10:20

Tgt Ion: 91 Resp: 1128597

Ion Ratio Lower Upper

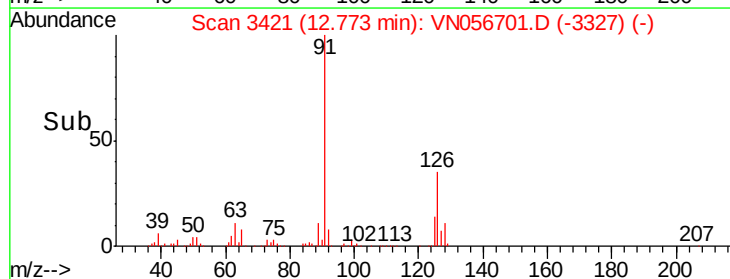
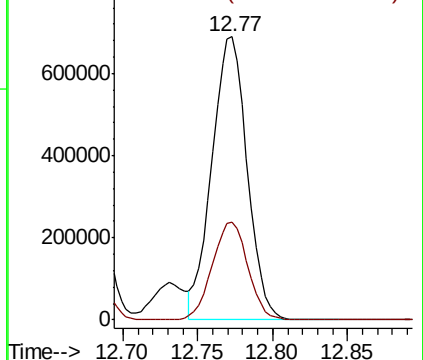
91 100

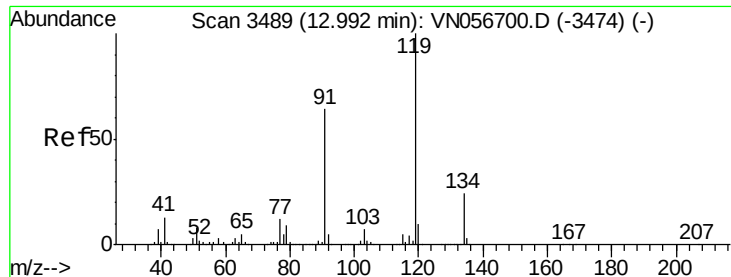
126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

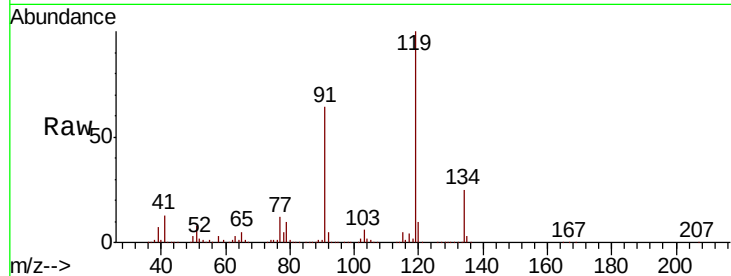




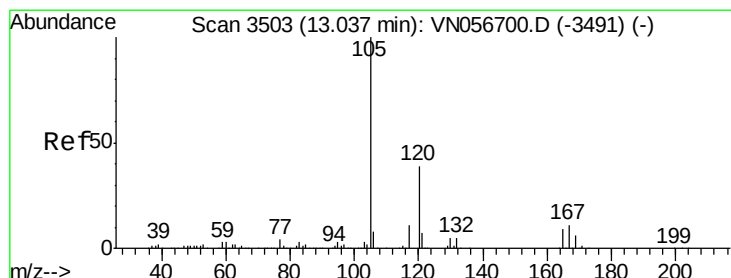
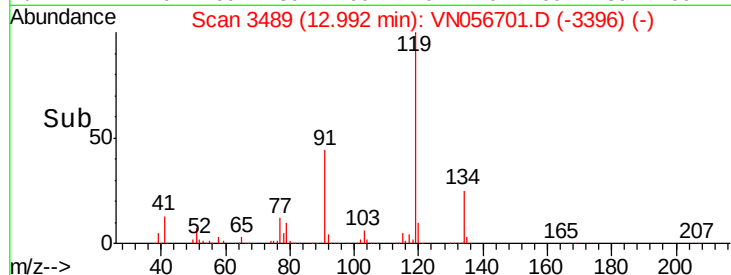
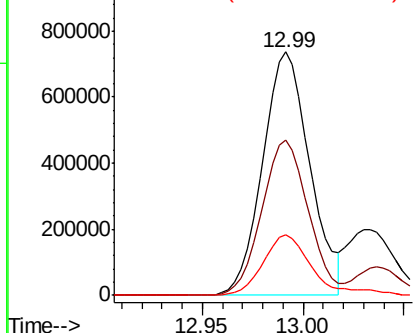
#83
tert-Butylbenzene
Concen: 80.445 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1201159
Ion Ratio Lower Upper
119 100
91 62.8 31.8 95.4
134 26.1 13.0 38.9

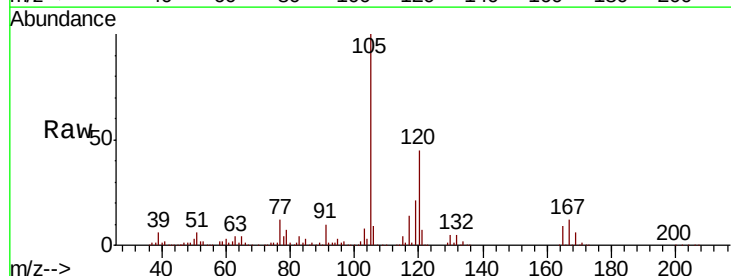


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

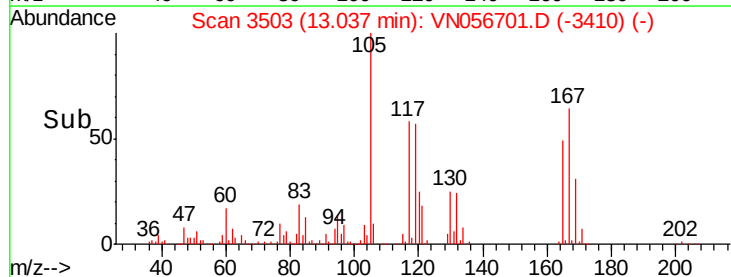
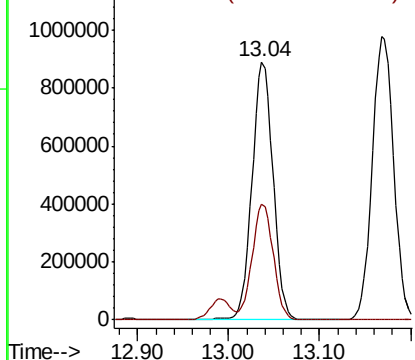


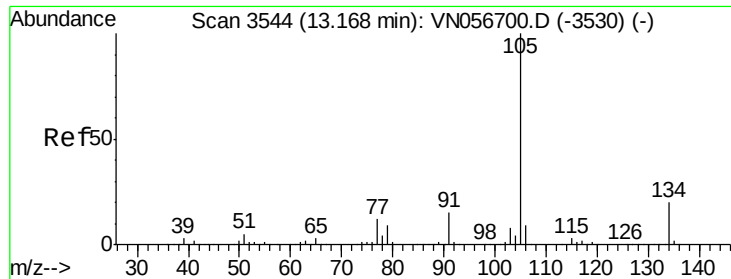
#84
1,2,4-Trimethylbenzene
Concen: 92.331 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion:105 Resp: 1426205
Ion Ratio Lower Upper
105 100
120 45.3 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 86.831 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

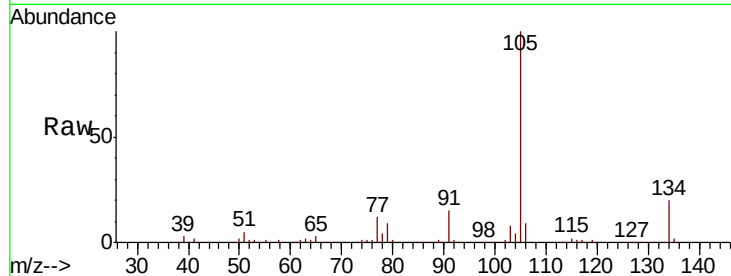
VSTDIC100

Tot Ion:105 Resp: 1595460

Ion Ratio Lower Upper

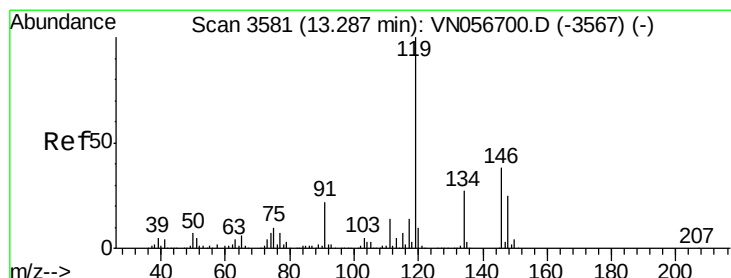
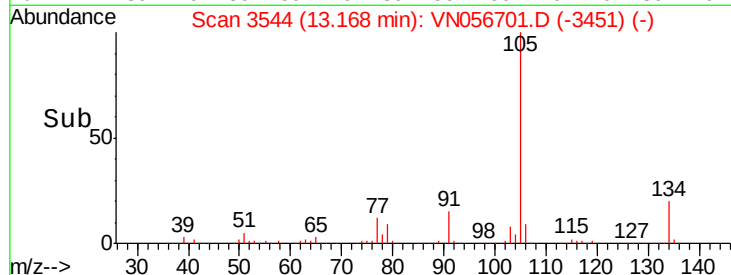
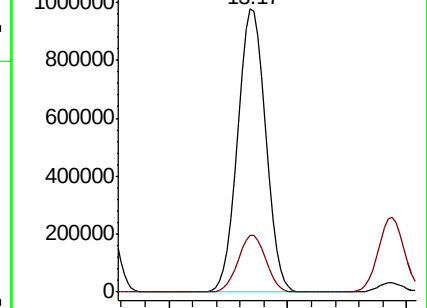
105 100

134 20.1 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: 92.635 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

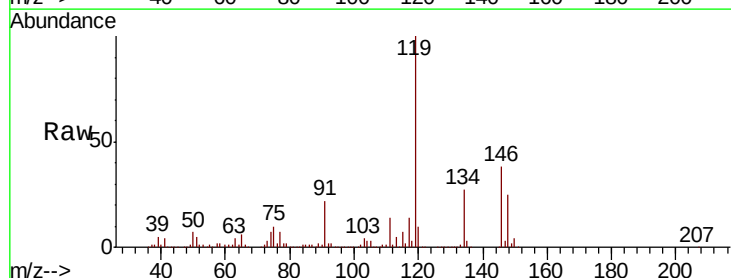
Tgt Ion:119 Resp: 1466189

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

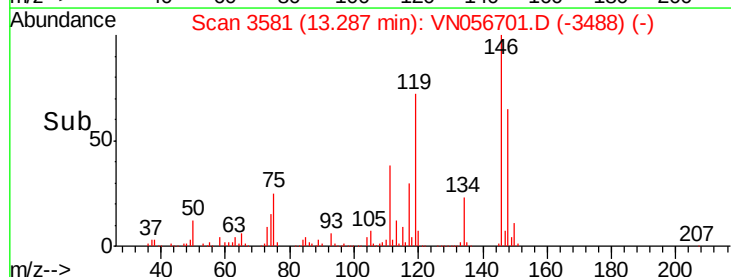
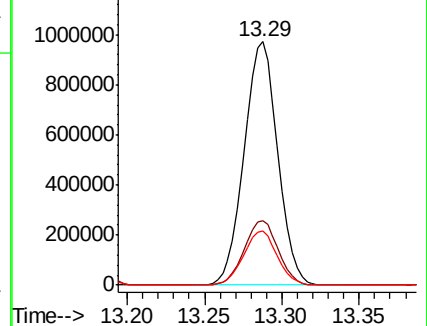
91 22.4 11.2 33.5

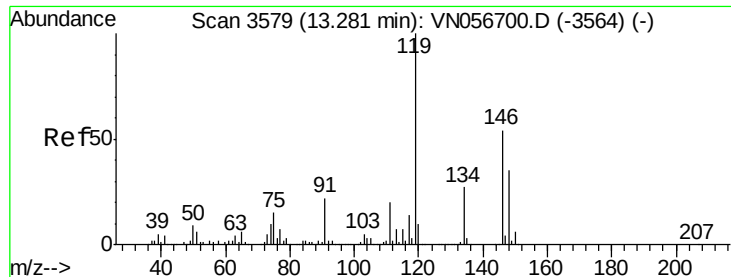


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

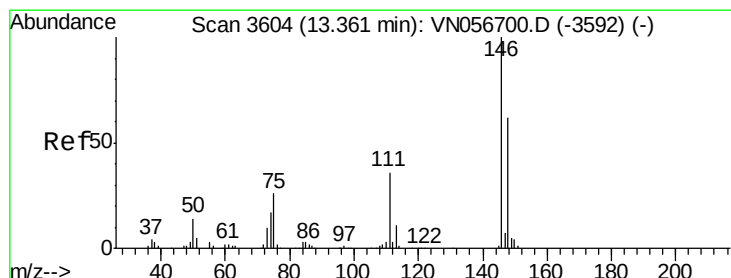
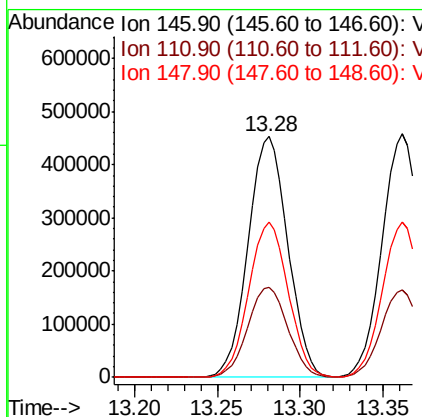
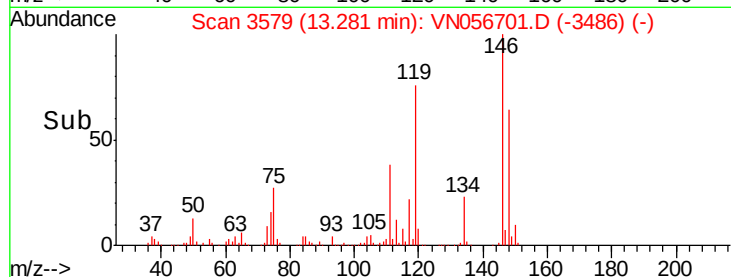
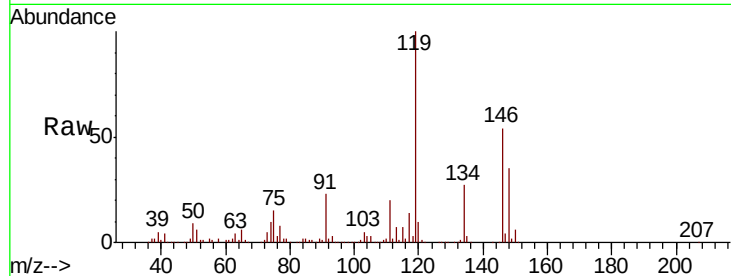




#87
 1,3-Dichlorobenzene
 Concen: 96.870 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

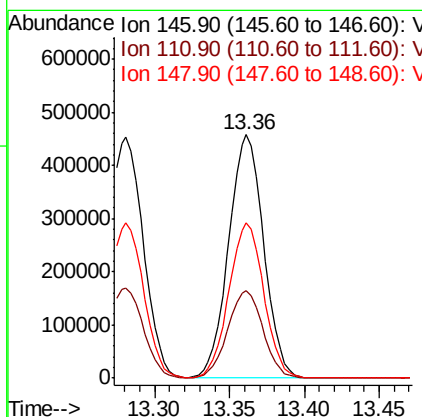
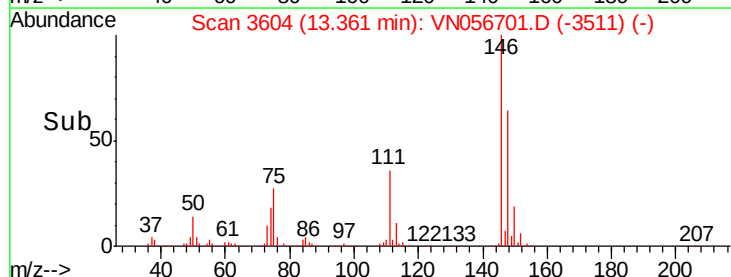
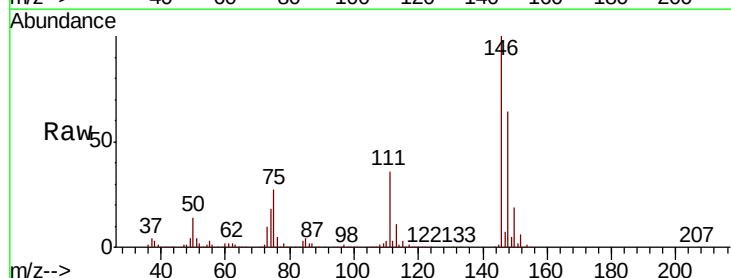
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

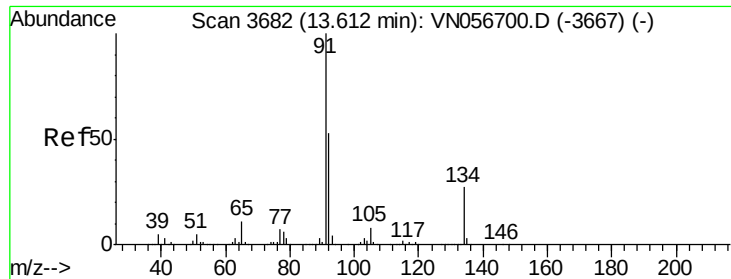
Tot Ion:146 Resp: 753244
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 98.638 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion:146 Resp: 745952
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 55.8
 148 63.5 31.9 95.7

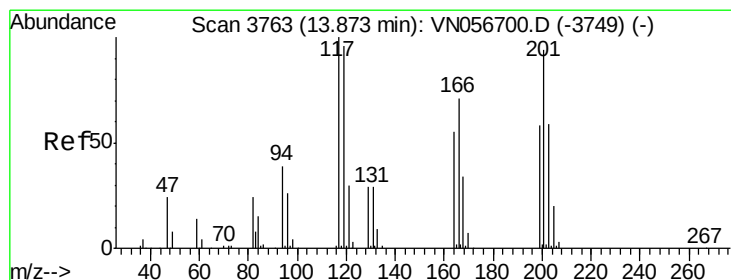
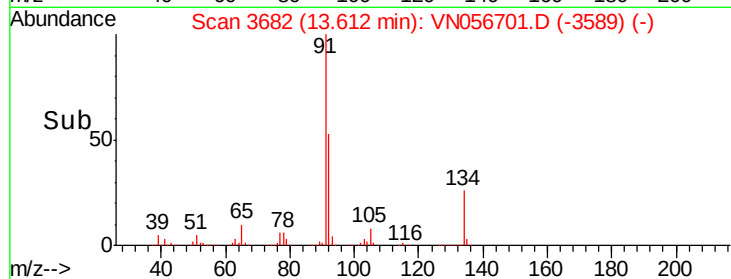
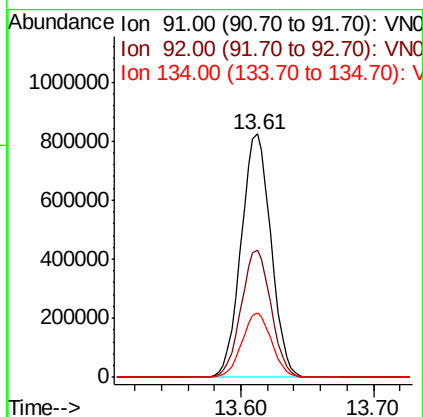
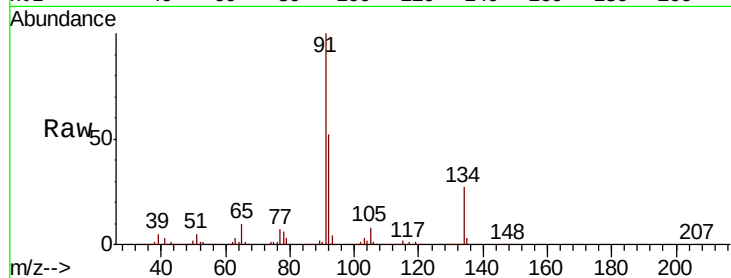




#89
n-Butylbenzene
Concen: 105.479 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

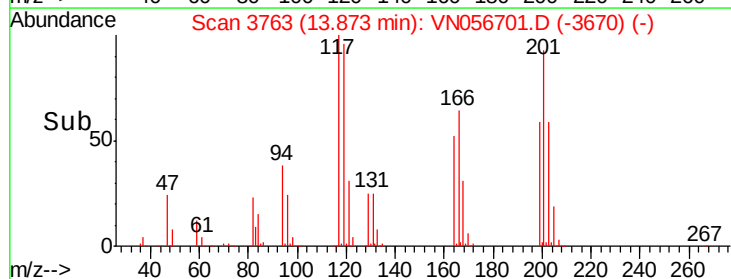
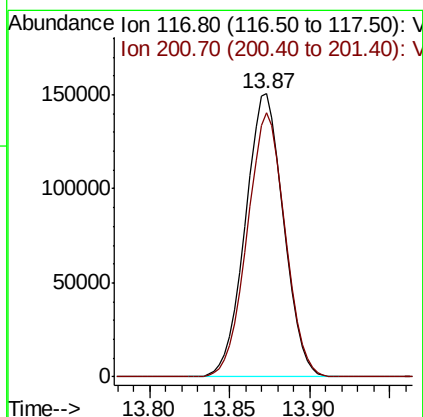
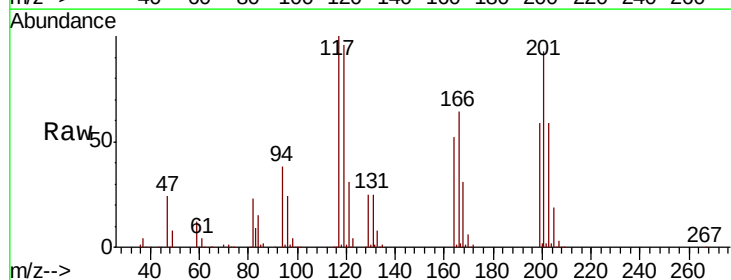
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

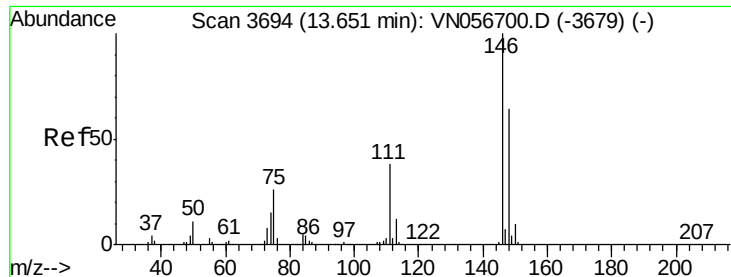
Tot Ion: 91 Resp: 1283790
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 26.2 13.4 40.2



#90
Hexachloroethane
Concen: 98.763 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056701.D
Acq: 15 Jul 2019 10:20

Tgt Ion: 117 Resp: 245657
Ion Ratio Lower Upper
117 100
201 92.5 46.5 139.5

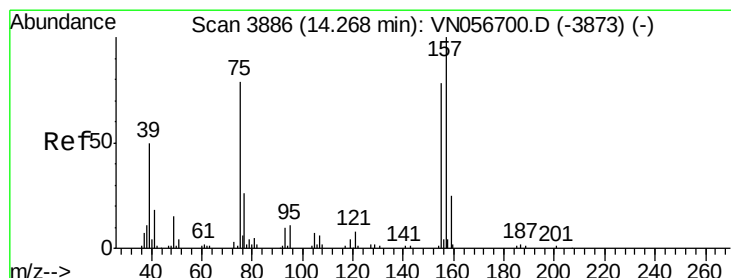
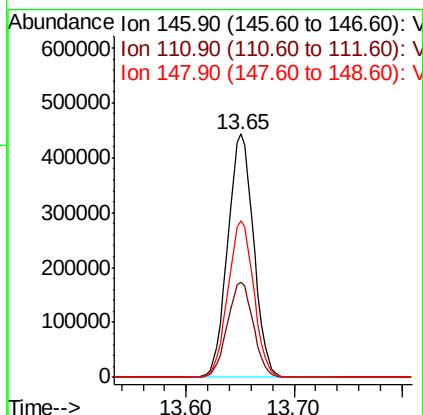
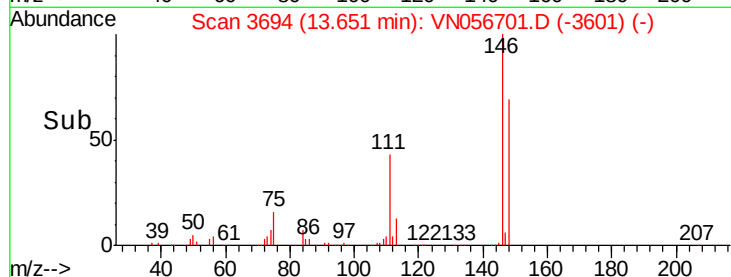
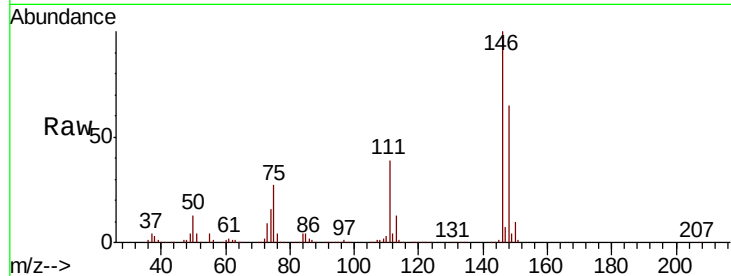




#91
 1,2-Dichlorobenzene
 Concen: 95.850 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

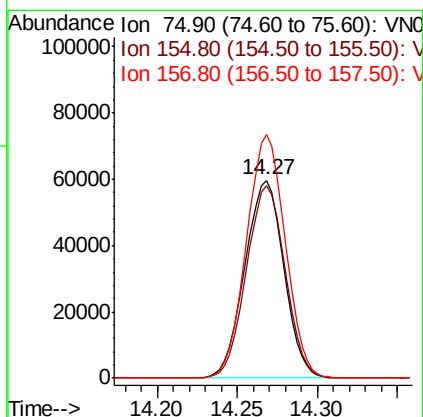
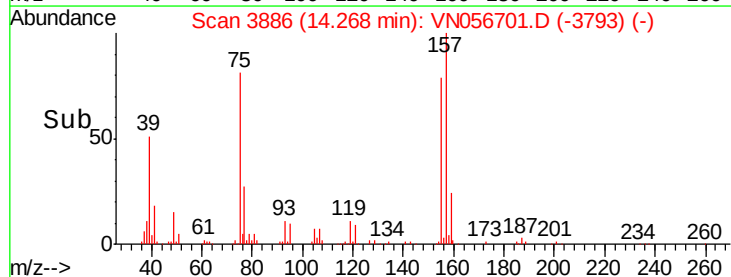
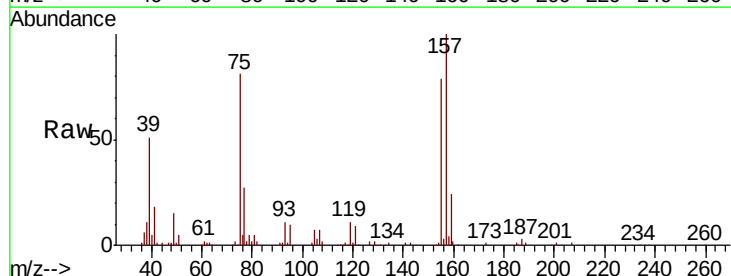
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

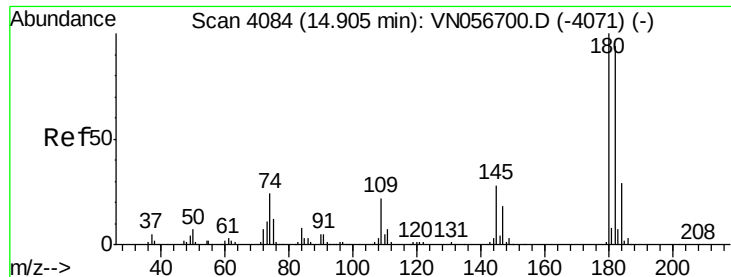
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.1
148	64.2	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 114.996 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	49.3	147.9
157	122.5	62.4	187.1

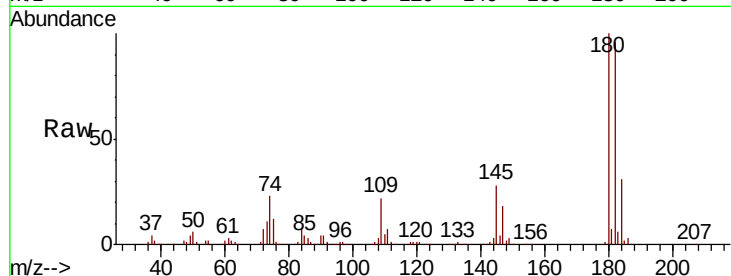




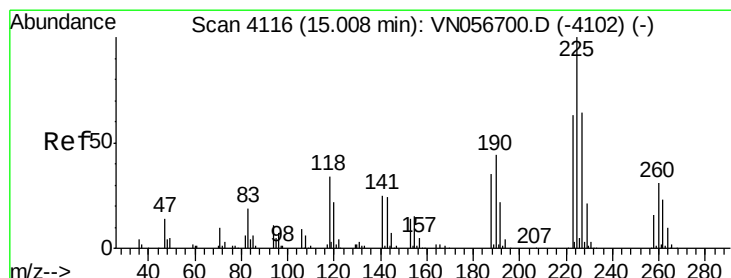
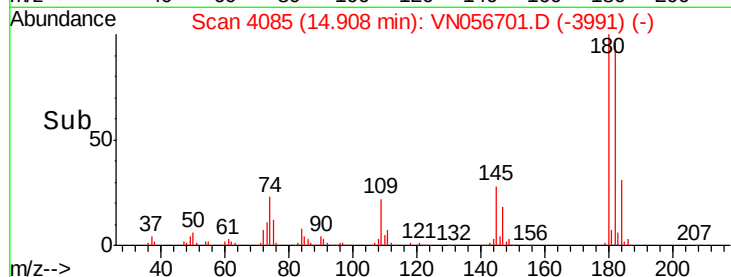
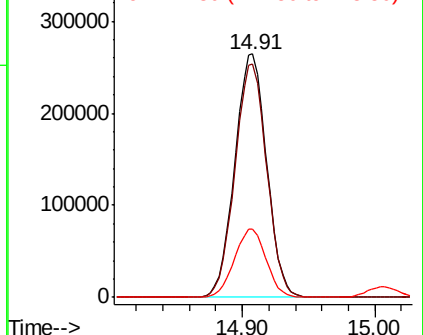
#93
 1,2,4-Trichlorobenzene
 Concen: 132.140 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 440734
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.2 141.6
 145 27.9 14.2 42.8

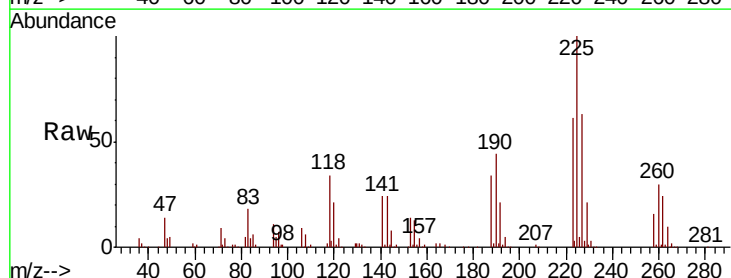


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

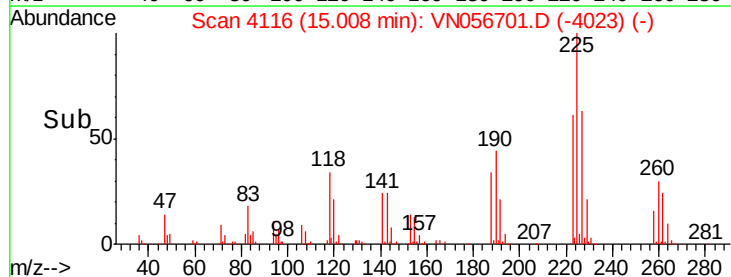
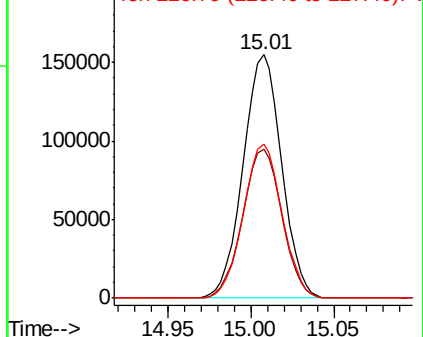


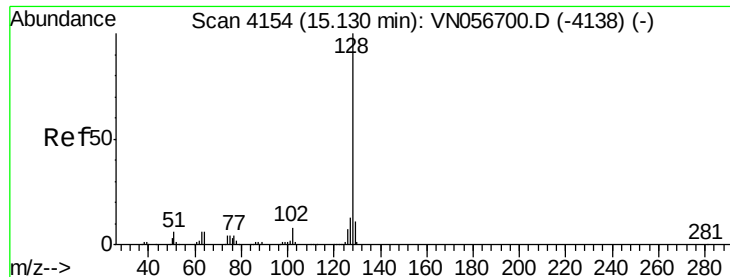
#94
 Hexachlorobutadiene
 Concen: 85.407 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056701.D
 Acq: 15 Jul 2019 10:20

Tgt Ion:225 Resp: 250284
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.5 94.5
 227 63.4 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: 139.143 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Instrument :

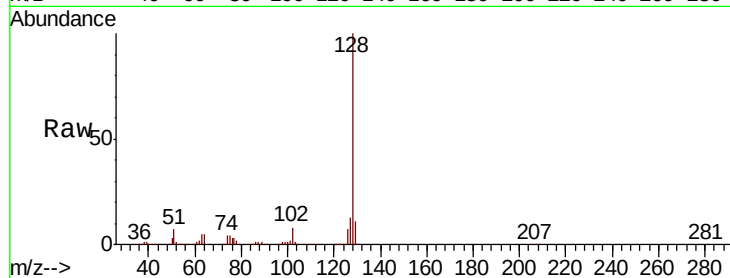
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1225247

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

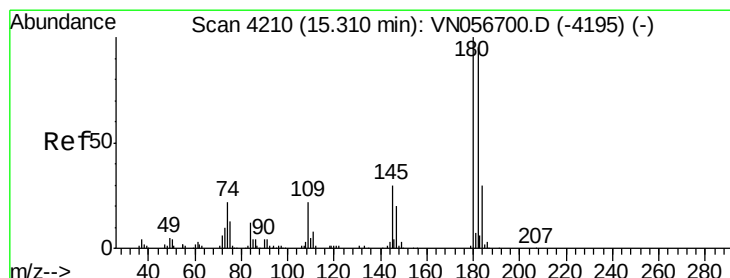
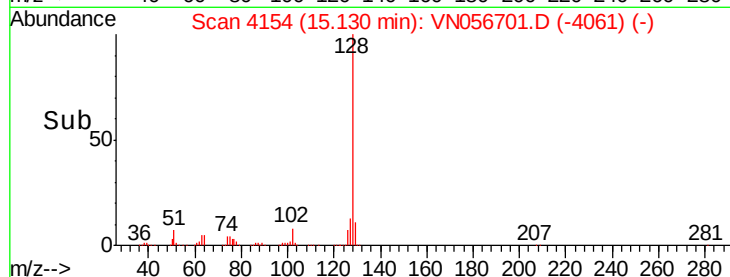
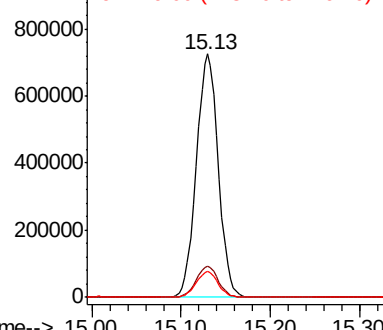


Abundance

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: 122.376 ug/l

RT: 15.31 min Scan# 4210

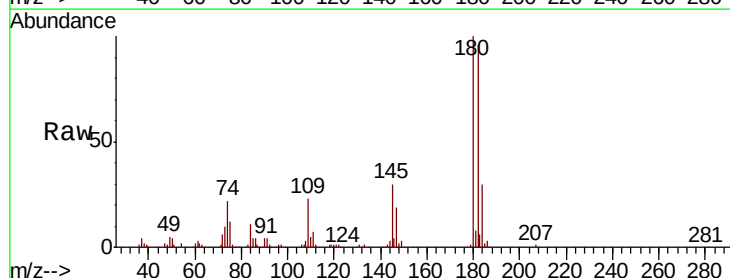
Delta R.T. -0.00 min

Lab File: VN056701.D

Acq: 15 Jul 2019 10:20

Tgt Ion:180 Resp: 434772

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	30.3	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

