

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055779.D
 Acq On : 24 May 2019 1:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 06:56:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	395925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	569115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	511836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	255926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	193914	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	182014	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	692083	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	244318	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	112470	42.209	ug/l	98
3) Chloromethane	2.06	50	167425	44.845	ug/l	98
4) Vinyl Chloride	2.18	62	174738	43.882	ug/l	99
5) Bromomethane	2.53	94	114416	45.928	ug/l	100
6) Chloroethane	2.68	64	106782	44.540	ug/l	98
7) Trichlorofluoromethane	3.00	101	229374	43.937	ug/l	99
8) Diethyl Ether	3.40	74	102363	43.748	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142623	43.765	ug/l	96
10) Methyl Iodide	3.94	142	249342	52.334	ug/l	99
11) Tert butyl alcohol	4.82	59	203181	260.077	ug/l	99
12) 1,1-Dichloroethene	3.72	96	154614	45.917	ug/l	96
13) Acrolein	3.60	56	116756	208.718	ug/l	96
14) Allyl chloride	4.31	41	253391	43.897	ug/l	98
15) Acrylonitrile	4.99	53	430964	240.237	ug/l	100
16) Acetone	3.82	43	334945	186.355	ug/l	100
17) Carbon Disulfide	4.04	76	417492	43.640	ug/l	100
18) Methyl Acetate	4.33	43	173850	47.516	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	526716	46.902	ug/l	93
20) Methylene Chloride	4.54	84	178321	45.812	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	168298	46.523	ug/l	97
22) Diisopropyl ether	5.96	45	517090	46.057	ug/l	97
23) Vinyl Acetate	5.90	43	2205898	229.160	ug/l	100
24) 1,1-Dichloroethane	5.84	63	297327	45.485	ug/l	99
25) 2-Butanone	6.84	43	564232	224.781	ug/l	98
26) 2,2-Dichloropropane	6.82	77	185526	32.794	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	198527	47.039	ug/l	95
28) Bromochloromethane	7.19	49	145193	46.652	ug/l	94
29) Tetrahydrofuran	7.22	42	377573	237.527	ug/l	99
30) Chloroform	7.37	83	306153	46.963	ug/l	99
31) Cyclohexane	7.65	56	279546	45.550	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	268484	46.152	ug/l	98
36) 1,1-Dichloropropene	7.79	75	225960	45.560	ug/l	99
37) Ethyl Acetate	6.93	43	228650	47.700	ug/l	99
38) Carbon Tetrachloride	7.77	117	239846	46.427	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287533	46.817	ug/l	99
40) Benzene	8.04	78	712400	47.661	ug/l	99
41) Methacrylonitrile	7.17	41	109554	45.239	ug/l	97
42) 1,2-Dichloroethane	8.12	62	224069	45.876	ug/l	98
43) Isopropyl Acetate	8.17	43	388425	48.228	ug/l #	93
44) Trichloroethene	8.83	130	210297	50.467	ug/l	98
45) 1,2-Dichloropropane	9.12	63	185861	47.725	ug/l	100
46) Dibromomethane	9.21	93	124085	48.584	ug/l	95
47) Bromodichloromethane	9.40	83	244610	46.708	ug/l	99
48) Methyl methacrylate	9.20	41	178403	48.063	ug/l	97
49) 1,4-Dioxane	9.20	88	78324	1015.419	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	1160919	244.065	ug/l	99
52) Toluene	10.16	92	460104	48.943	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260146	46.537	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	286395	46.246	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	187238	49.717	ug/l	99
56) Ethyl methacrylate	10.43	69	291758	50.127	ug/l	99
57) 1,3-Dichloropropane	10.71	76	297914	48.666	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	551248	247.831	ug/l	98
59) 2-Hexanone	10.75	43	823819	244.140	ug/l	99
60) Dibromochloromethane	10.90	129	218059	49.703	ug/l	100
61) 1,2-Dibromoethane	11.00	107	196852	50.393	ug/l	99
64) Tetrachloroethene	10.63	164	217525	50.389	ug/l	99
65) Chlorobenzene	11.43	112	505773	49.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194286	47.542	ug/l	99
67) Ethyl Benzene	11.51	91	921353	50.142	ug/l	99
68) m/p-Xylenes	11.62	106	733377	105.575	ug/l	97
69) o-Xylene	11.95	106	337874	49.025	ug/l	98
70) Styrene	11.96	104	565336	50.654	ug/l	100
71) Bromoform	12.13	173	176444	50.619	ug/l #	99
73) Isopropylbenzene	12.25	105	898814	49.337	ug/l	99
74) N-amyl acetate	12.07	43	326194	46.928	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	257584	47.615	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	317879	73.622	ug/l #	100
77) Bromobenzene	12.53	156	443891	81.281	ug/l	45
78) n-propylbenzene	12.59	91	975236	43.844	ug/l	98
79) 2-Chlorotoluene	12.67	91	575395	47.918	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	771655	50.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	74462	39.147	ug/l	100
82) 4-Chlorotoluene	12.77	91	566993	43.364	ug/l	99
83) tert-Butylbenzene	12.99	119	644335	48.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	910753	60.000	ug/l	99
85) sec-Butylbenzene	13.17	105	819923	47.472	ug/l	98
86) p-Isopropyltoluene	13.29	119	766436	43.123	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399160	46.159	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	386767	47.043	ug/l	99
89) n-Butylbenzene	13.61	91	606318	44.524	ug/l	98
90) Hexachloroethane	13.87	117	142052	41.991	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	392932	45.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49788	43.906	ug/l	91

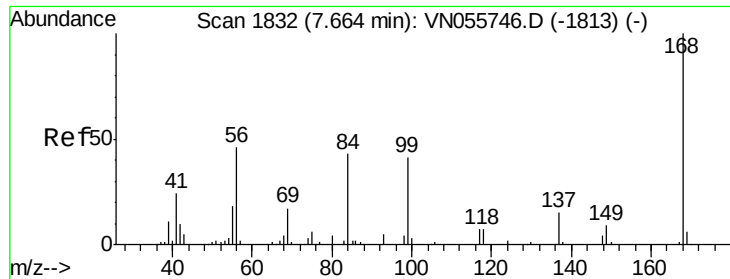
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	235454	47.621	ug/l	99
94) Hexachlorobutadiene	15.01	225	150002	49.381	ug/l	98
95) Naphthalene	15.13	128	741502	62.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	242210	53.109	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

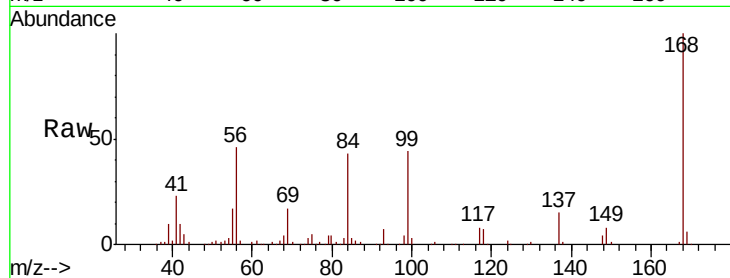
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 395925

Ion Ratio Lower Upper

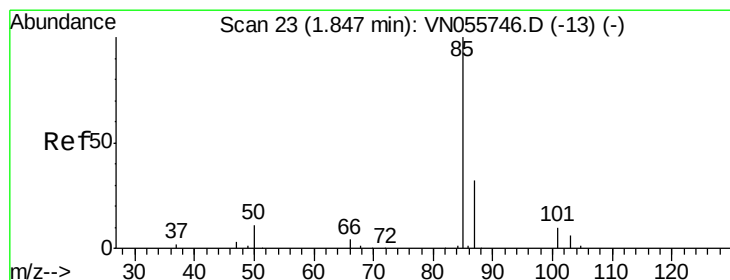
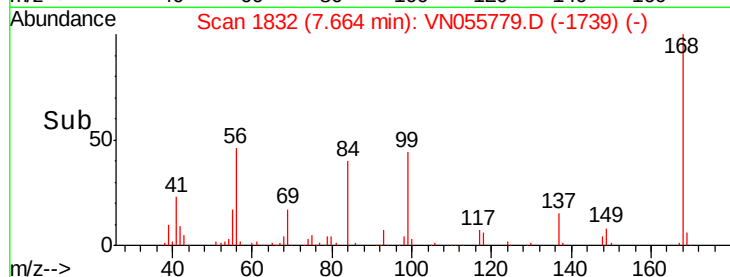
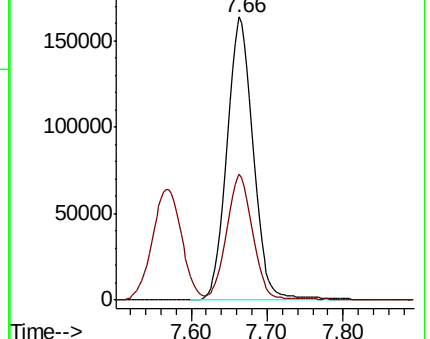
168 100

99 44.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 42.209 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055779.D

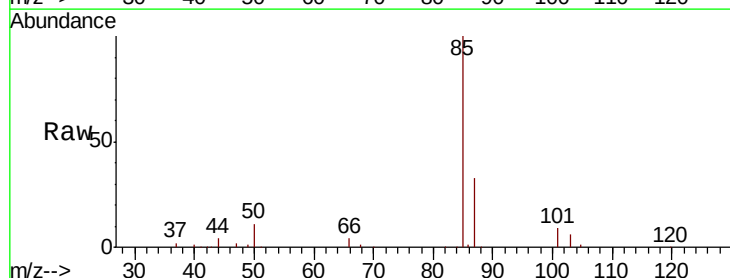
Acq: 24 May 2019 1:58

Tgt Ion: 85 Resp: 112470

Ion Ratio Lower Upper

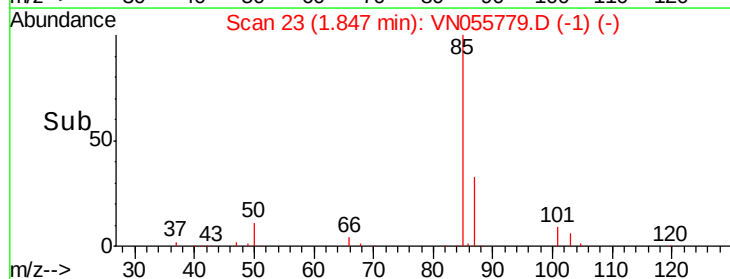
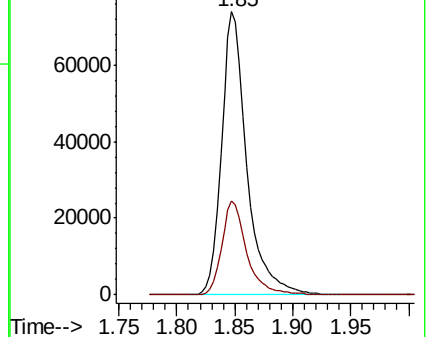
85 100

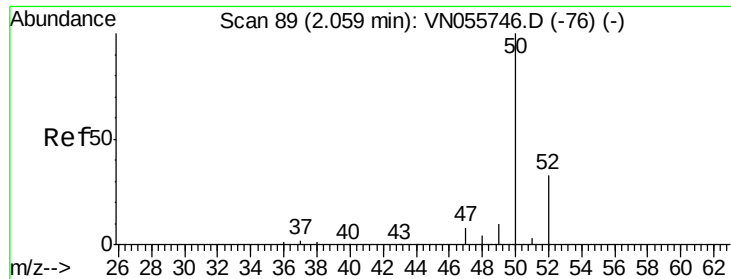
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

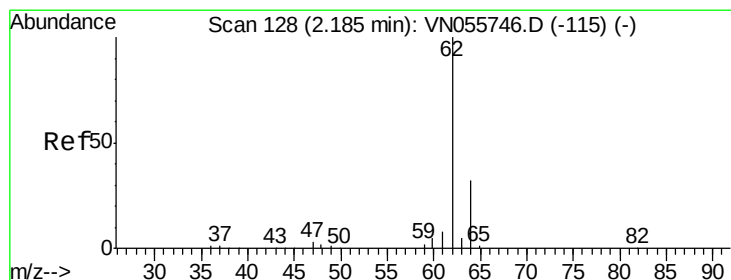
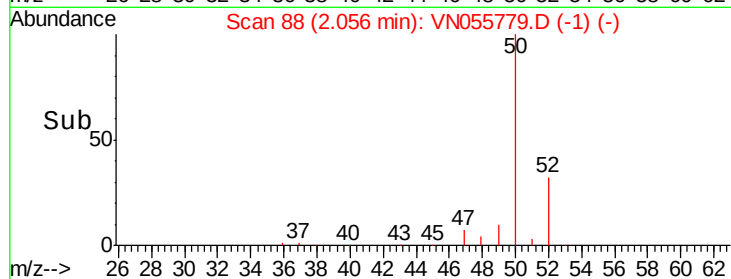
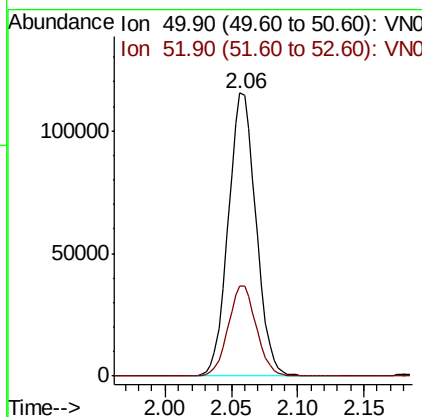
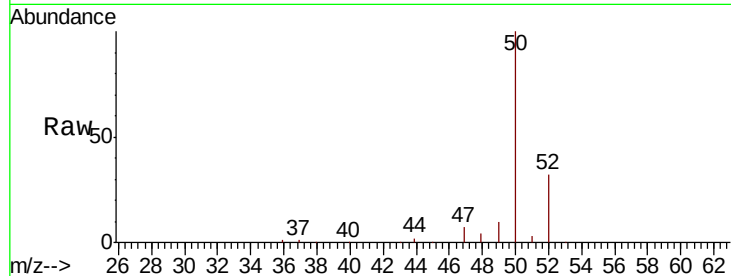




#3
Chloromethane
Concen: 44.845 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

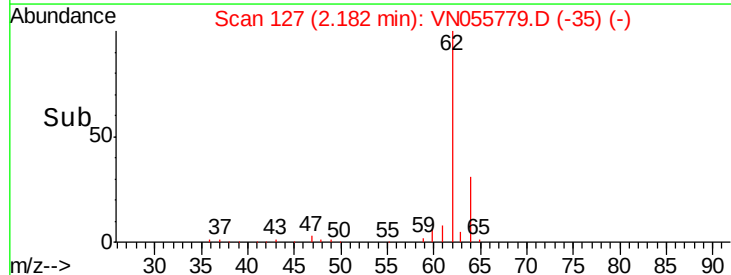
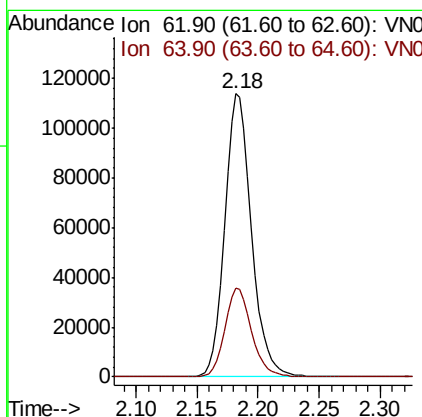
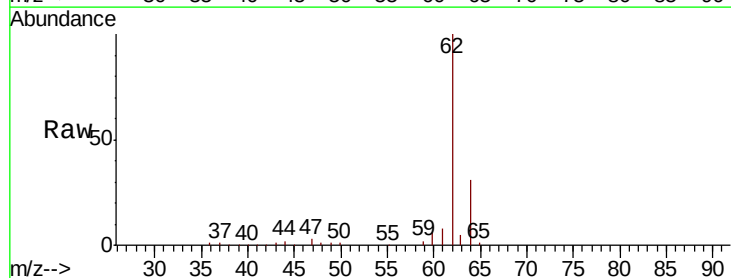
Instrument :
MSVOA_N
ClientSampled :

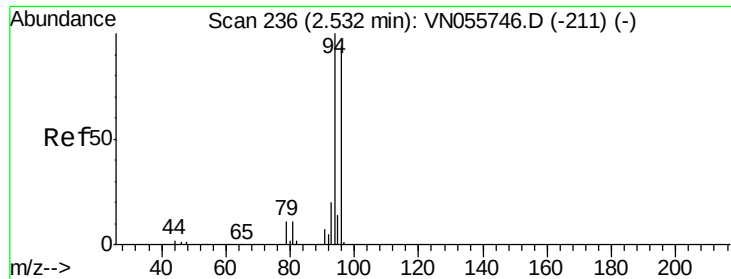
Tot Ion: 50 Resp: 167425
Ion Ratio Lower Upper
50 100
52 32.1 26.6 40.0



#4
Vinyl Chloride
Concen: 43.882 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 62 Resp: 174738
Ion Ratio Lower Upper
62 100
64 31.2 25.6 38.4





#5

Bromomethane

Concen: 45.928 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

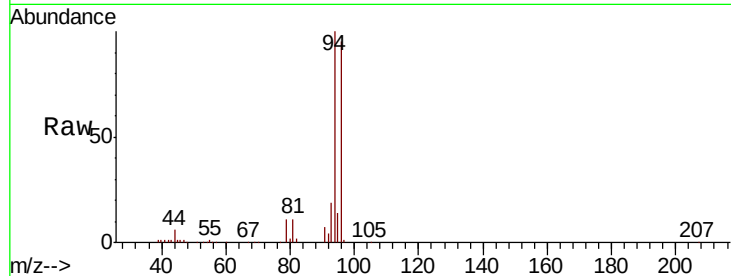
ClientSampleId :

Tot Ion: 94 Resp: 114416

Ion Ratio Lower Upper

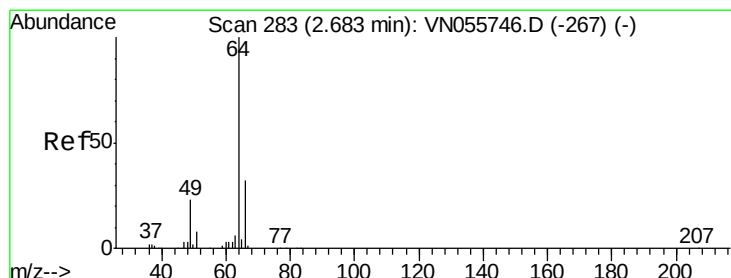
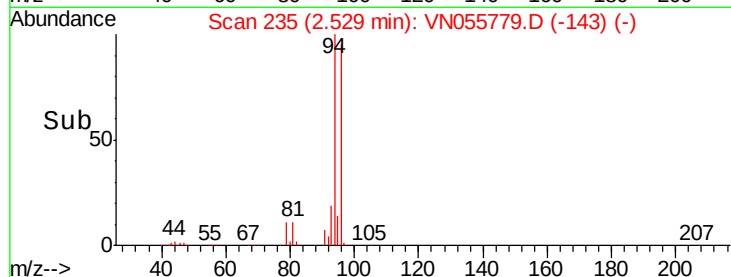
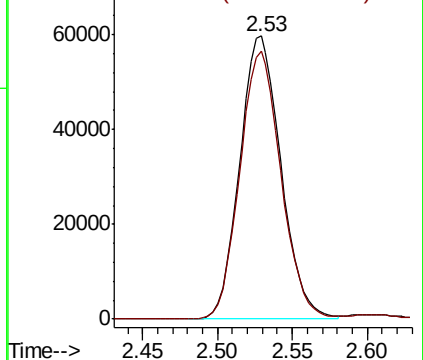
94 100

96 94.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.540 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055779.D

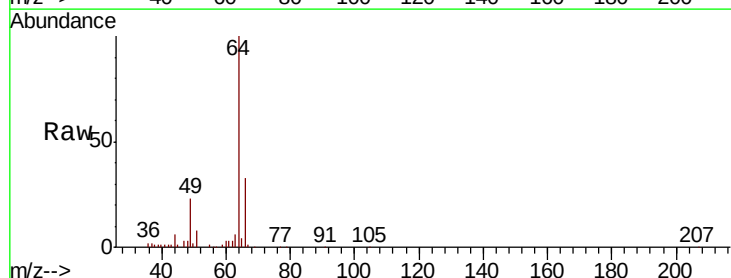
Acq: 24 May 2019 1:58

Tgt Ion: 64 Resp: 106782

Ion Ratio Lower Upper

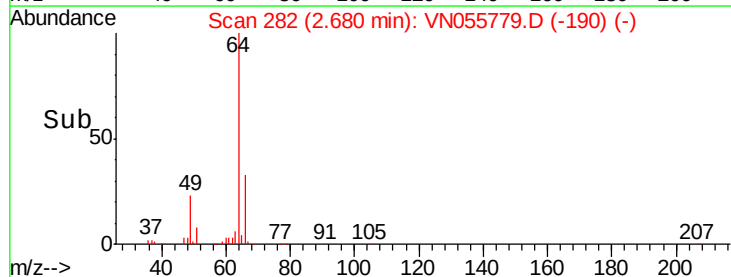
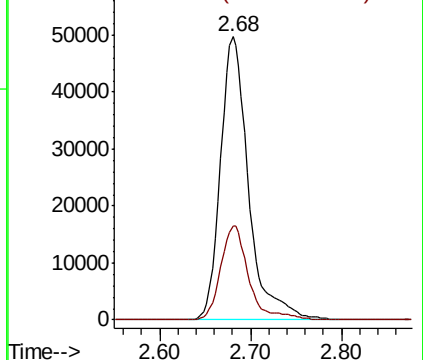
64 100

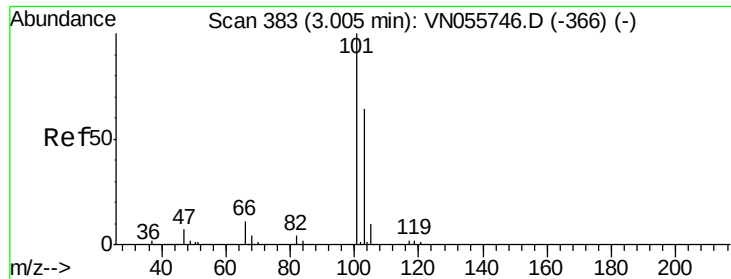
66 33.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



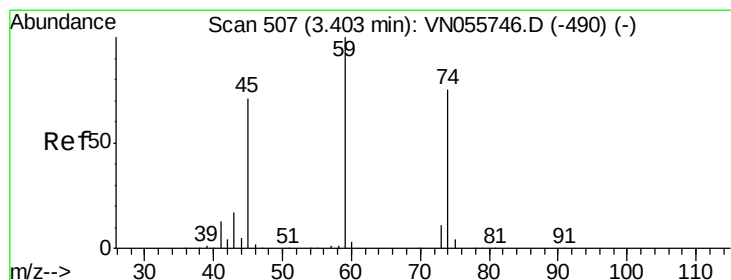
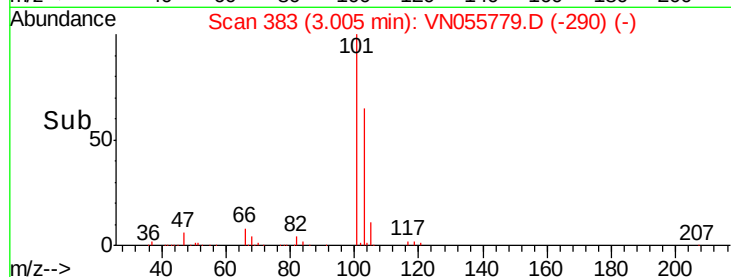
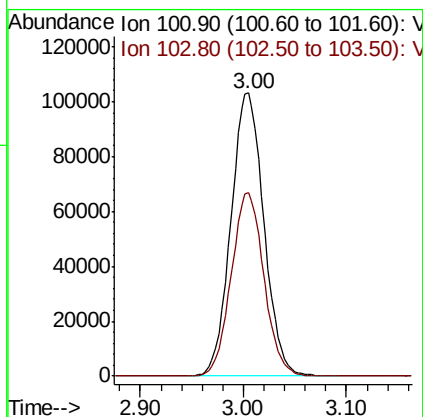
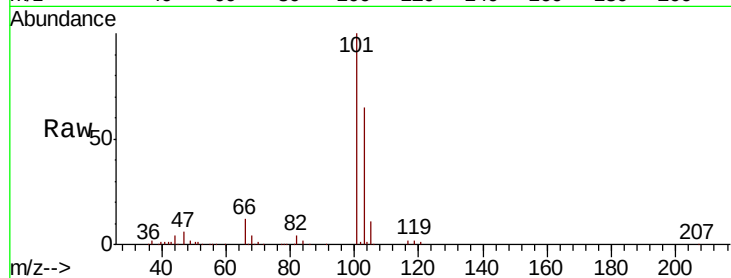


#7

Trichlorofluoromethane
Concen: 43.937 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

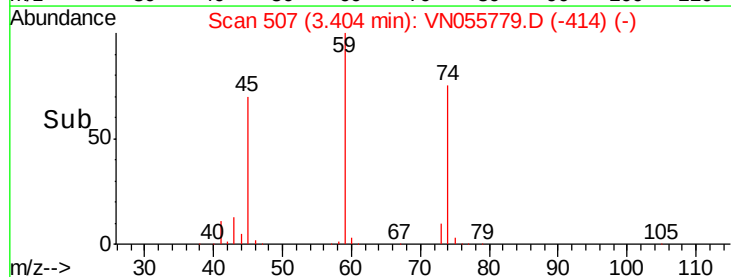
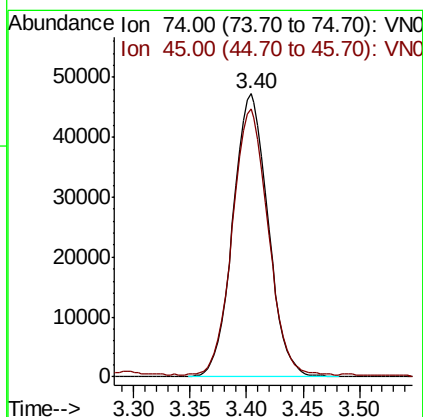
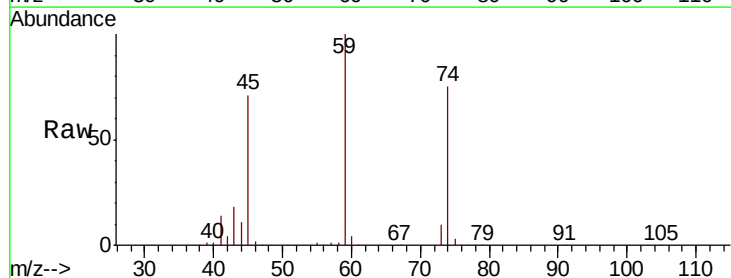
Tot Ion:101 Resp: 229374
Ion Ratio Lower Upper
101 100
103 65.0 51.2 76.8

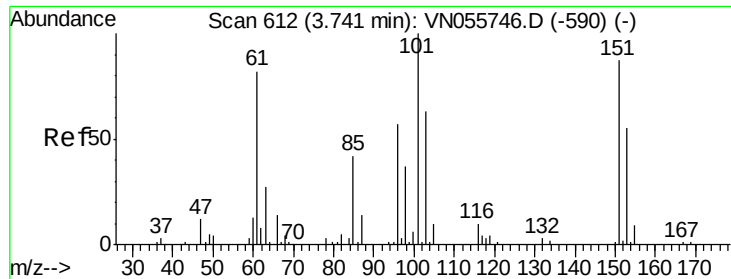


#8

Diethyl Ether
Concen: 43.748 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 74 Resp: 102363
Ion Ratio Lower Upper
74 100
45 94.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.765 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

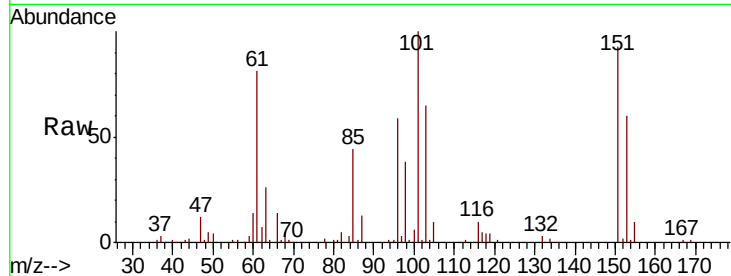
Tot Ion:101 Resp: 142623

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.2

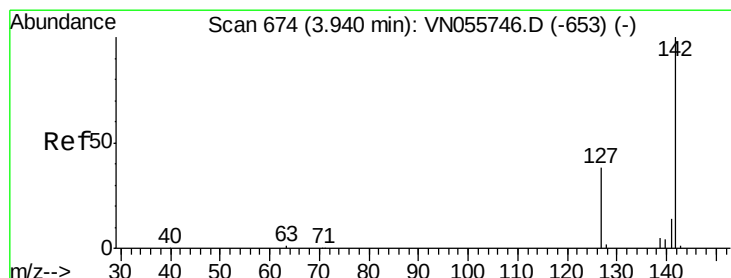
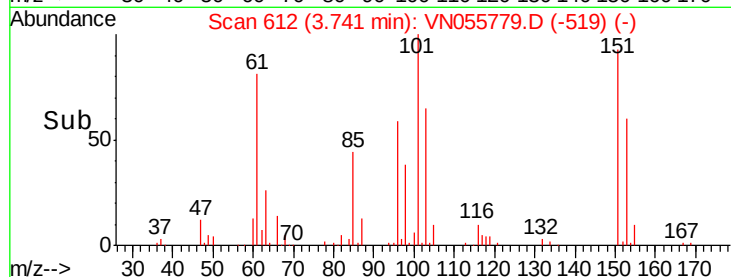
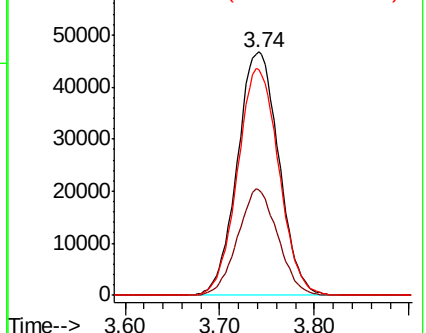
151 92.5 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.334 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

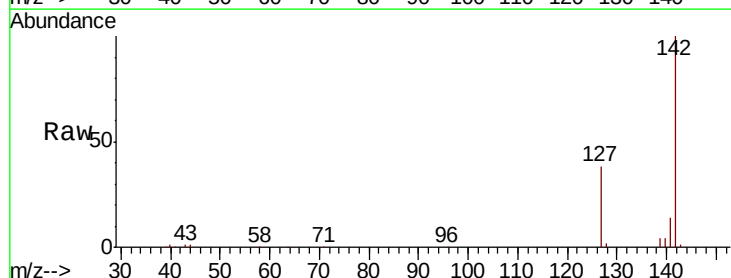
Tgt Ion:142 Resp: 249342

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

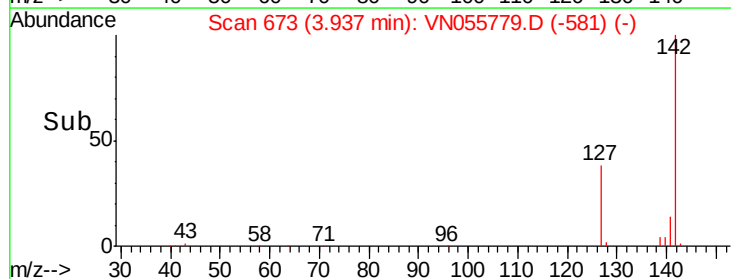
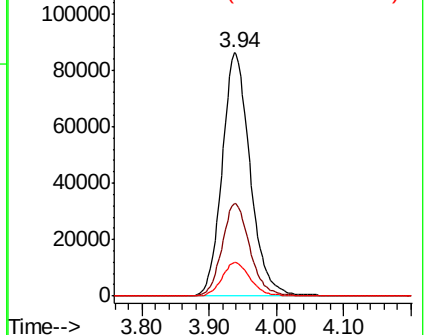
141 13.9 11.4 17.0

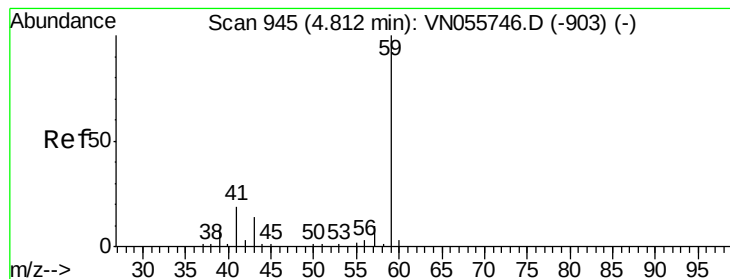


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



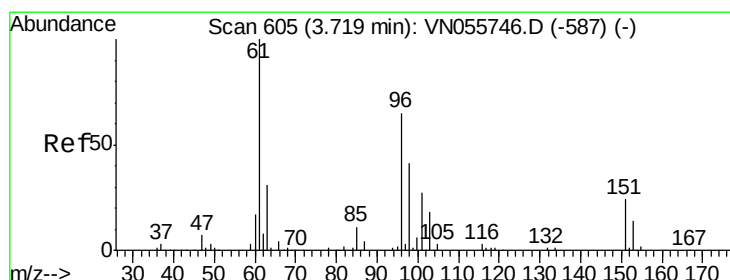
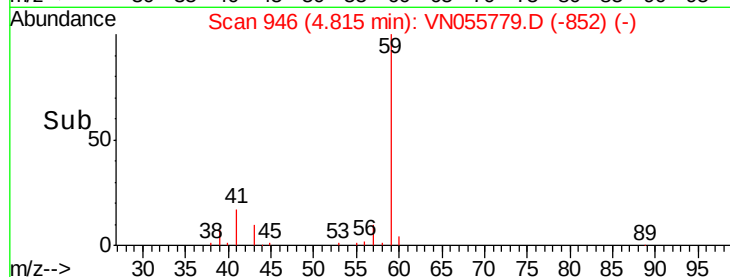
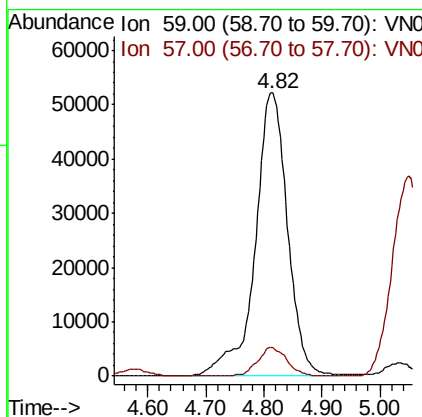
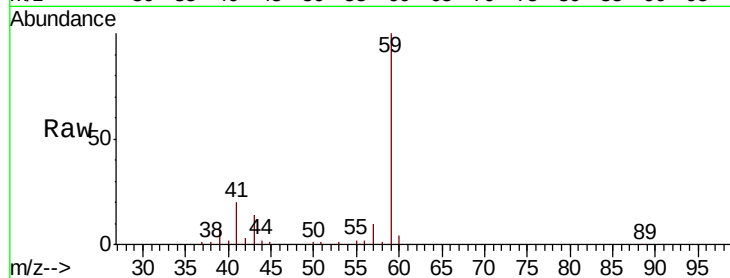


#11

Tert butyl alcohol
Concen: 260.077 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

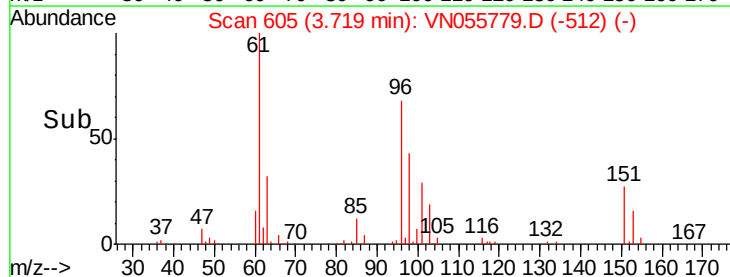
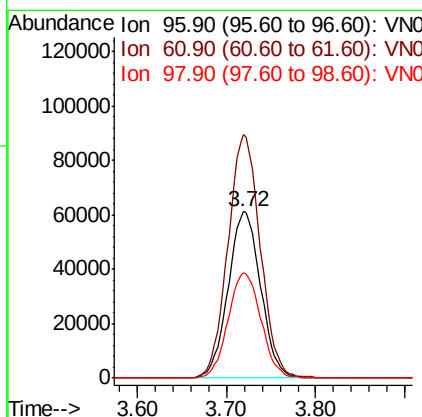
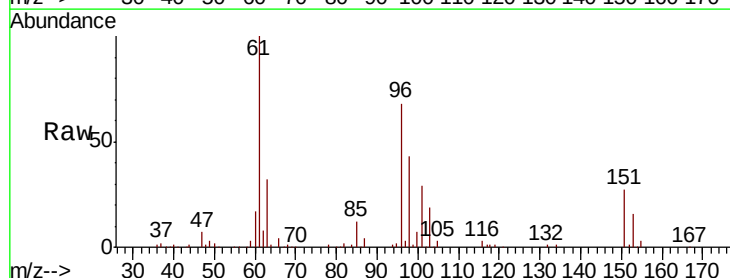
Tot Ion: 59 Resp: 203181
Ion Ratio Lower Upper
59 100
57 9.2 7.8 11.6

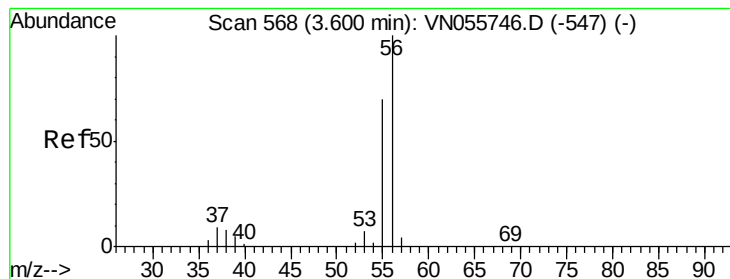


#12

1,1-Dichloroethene
Concen: 45.917 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 96 Resp: 154614
Ion Ratio Lower Upper
96 100
61 146.3 123.2 184.8
98 63.6 50.4 75.6





#13

Acrolein

Concen: 208.718 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

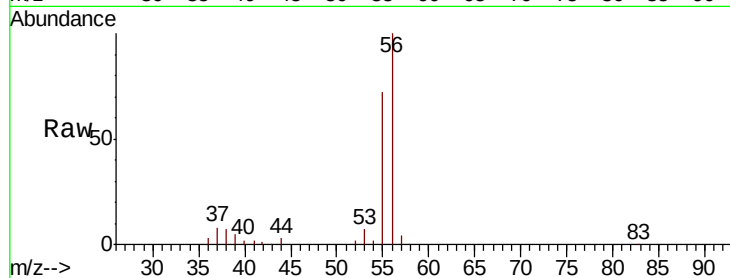
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 116756

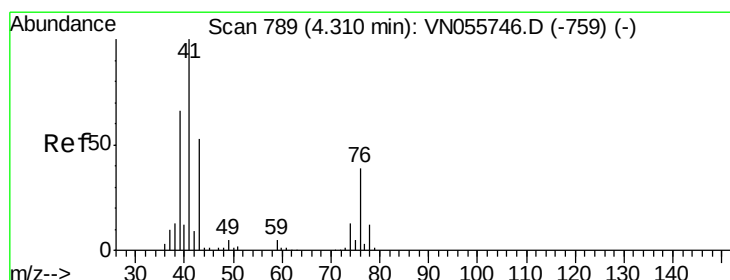
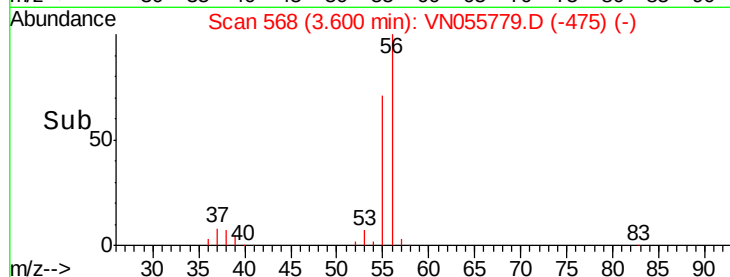
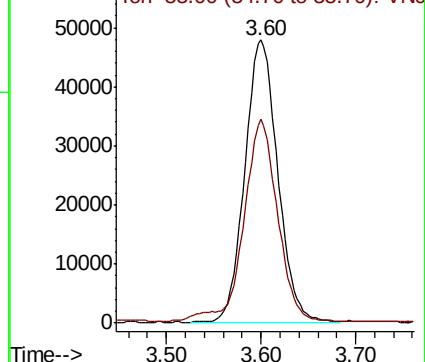
Ion Ratio Lower Upper

56 100

55 72.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 43.897 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

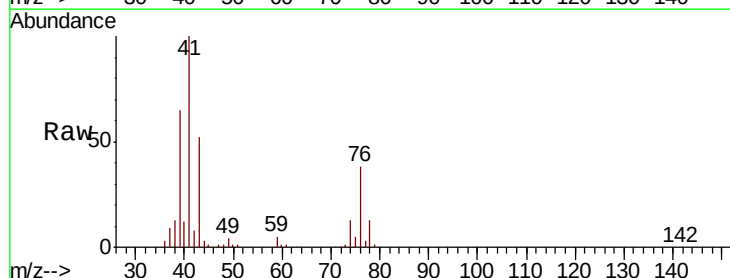
Tgt Ion: 41 Resp: 253391

Ion Ratio Lower Upper

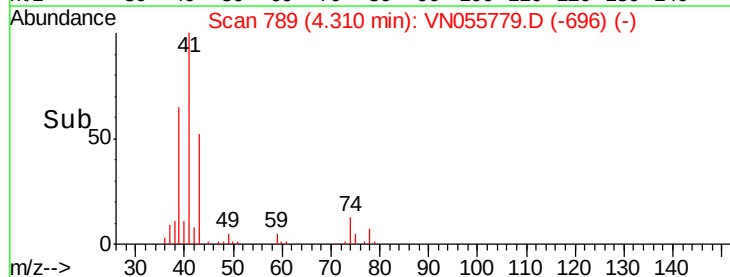
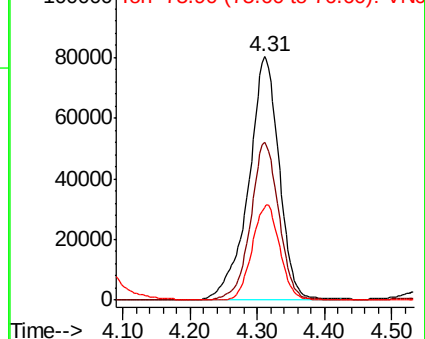
41 100

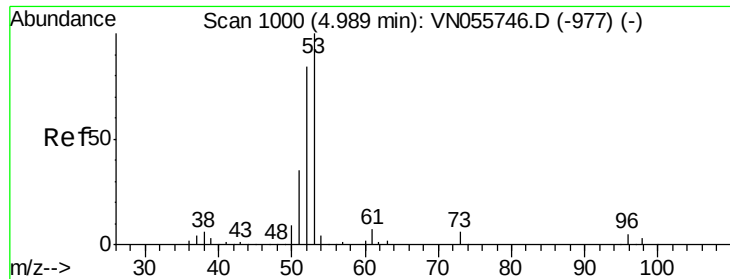
39 59.7 50.0 75.0

76 35.2 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 240.237 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

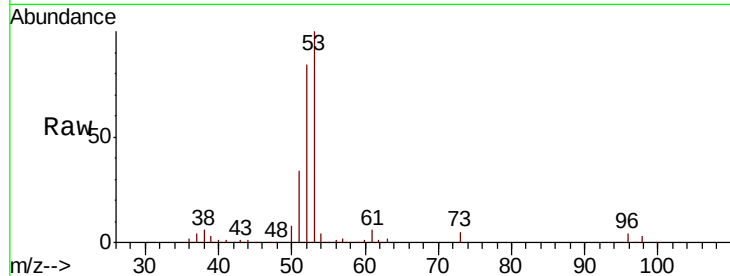
Tot Ion: 53 Resp: 430964

Ion Ratio Lower Upper

53 100

52 82.4 65.8 98.8

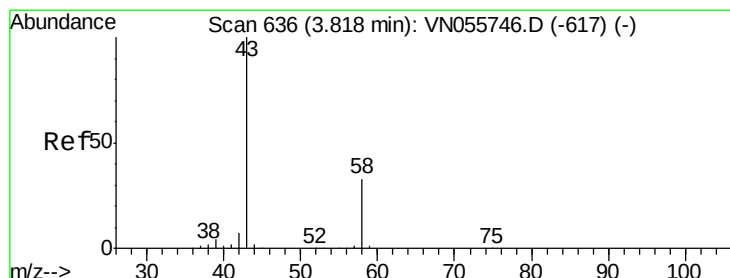
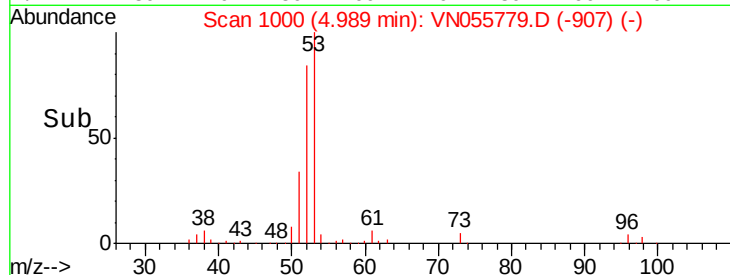
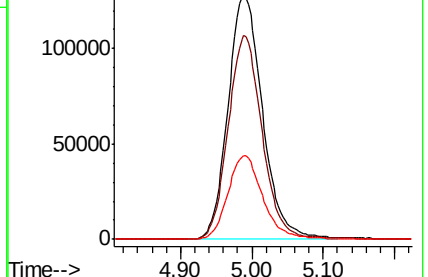
51 34.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055779.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055779.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055779.D (-907) (-)



#16

Acetone

Concen: 186.355 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055779.D

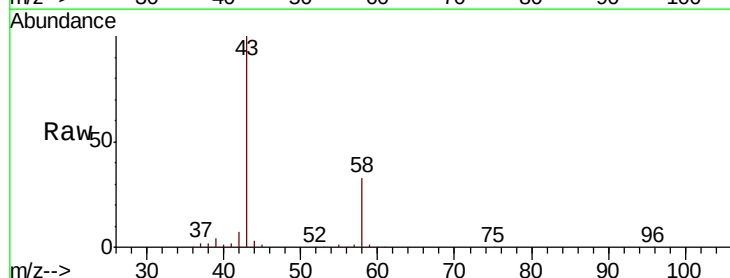
Acq: 24 May 2019 1:58

Tgt Ion: 43 Resp: 334945

Ion Ratio Lower Upper

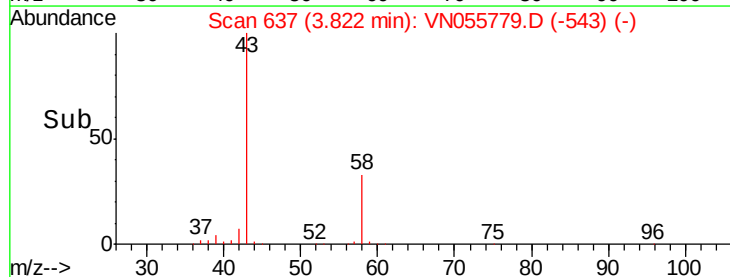
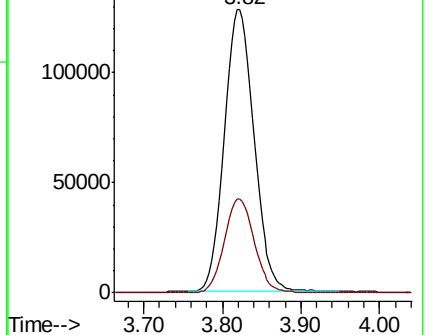
43 100

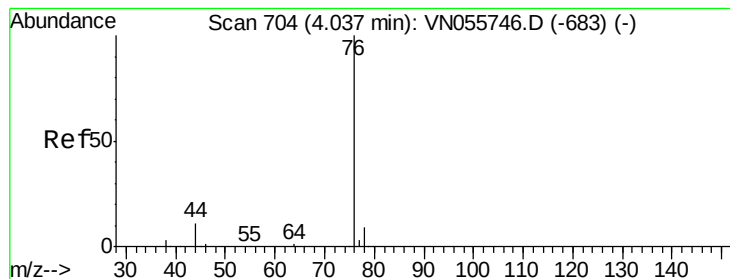
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055779.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055779.D (-543) (-)





#17

Carbon Disulfide

Concen: 43.640 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

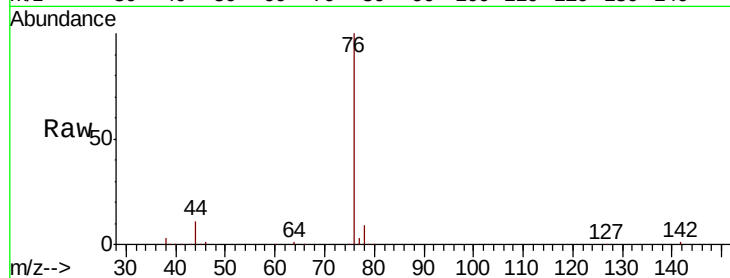
ClientSampled :

Tot Ion: 76 Resp: 417492

Ion Ratio Lower Upper

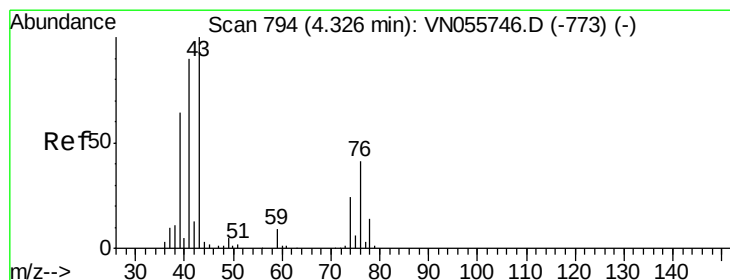
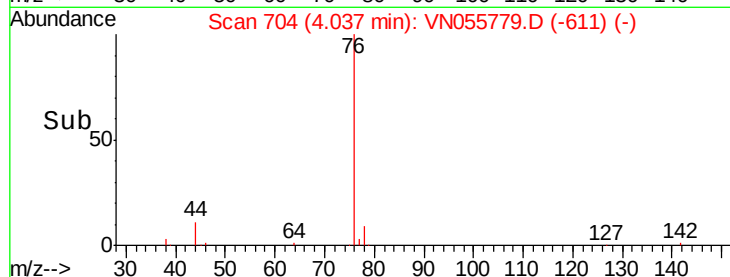
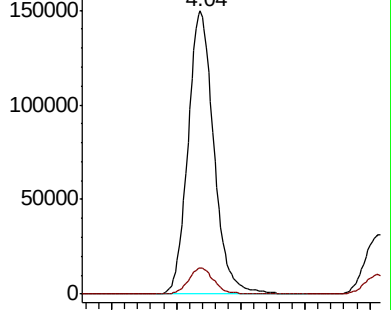
76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.516 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055779.D

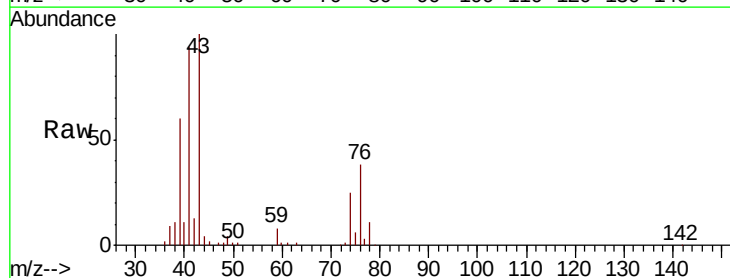
Acq: 24 May 2019 1:58

Tgt Ion: 43 Resp: 173850

Ion Ratio Lower Upper

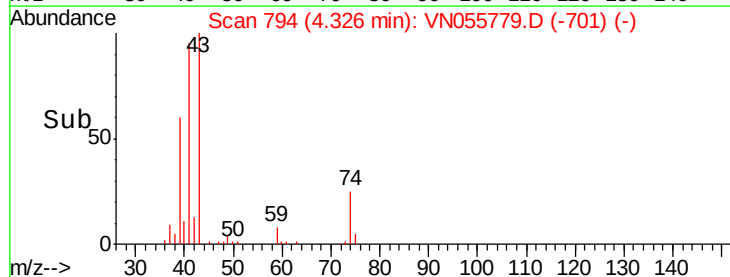
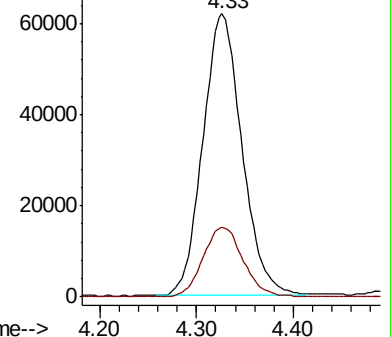
43 100

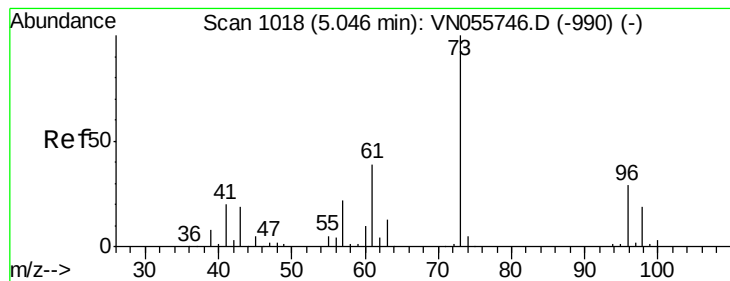
74 25.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



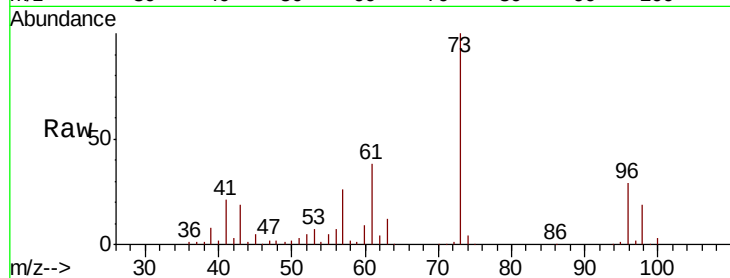


#19

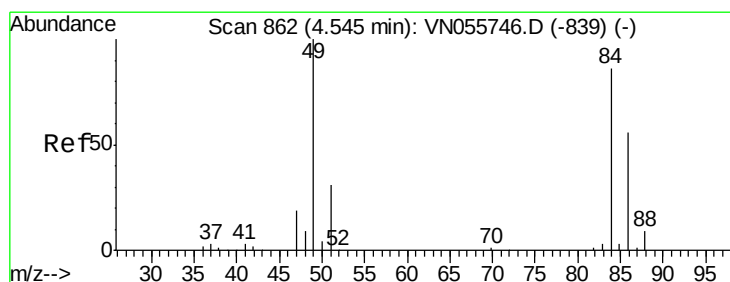
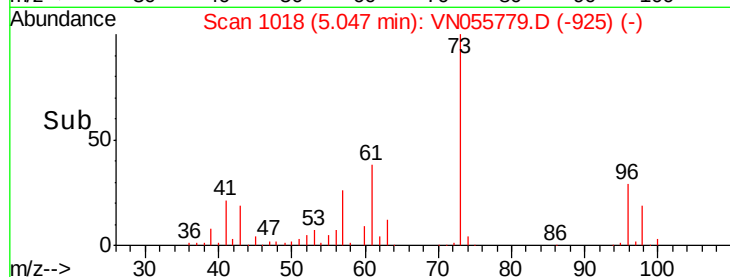
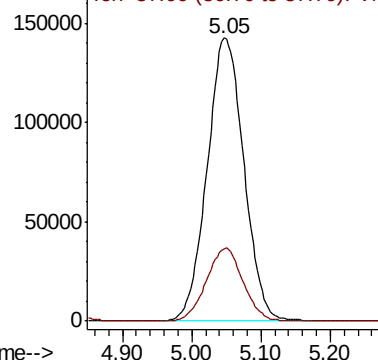
Methyl tert-butyl Ether
 Concen: 46.902 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 73 Resp: 526716
 Ion Ratio Lower Upper
 73 100
 57 25.6 17.8 26.8



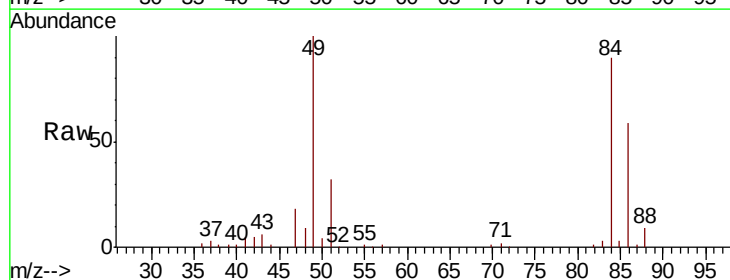
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



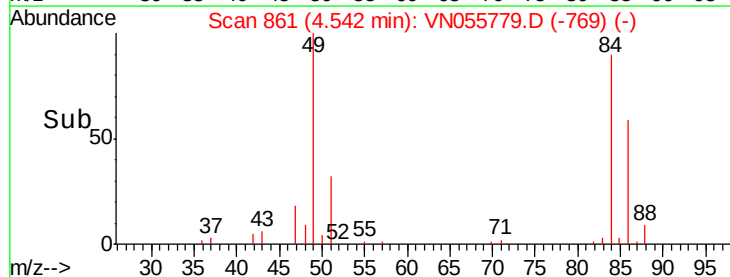
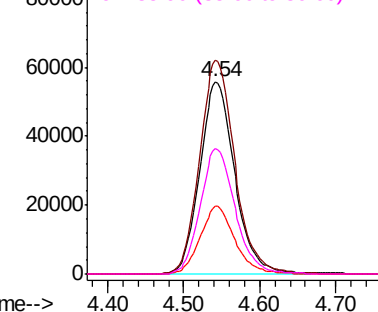
#20

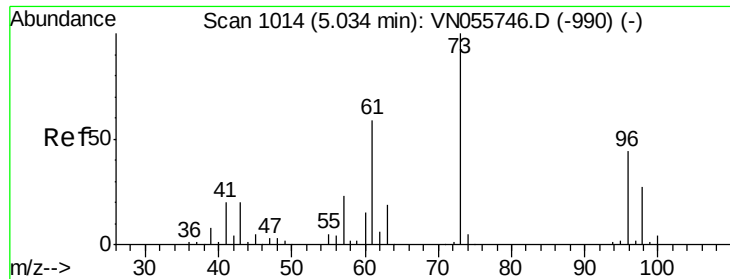
Methylene Chloride
 Concen: 45.812 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 84 Resp: 178321
 Ion Ratio Lower Upper
 84 100
 49 110.9 93.5 140.3
 51 34.9 28.6 43.0
 86 64.9 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN0
 Ion 48.90 (48.60 to 49.60): VN0
 Ion 50.90 (50.60 to 51.60): VN0
 Ion 85.90 (85.60 to 86.60): VN0

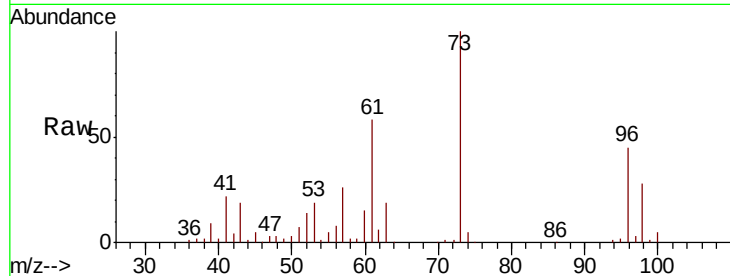




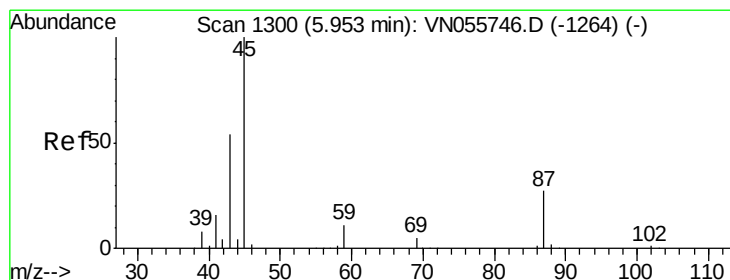
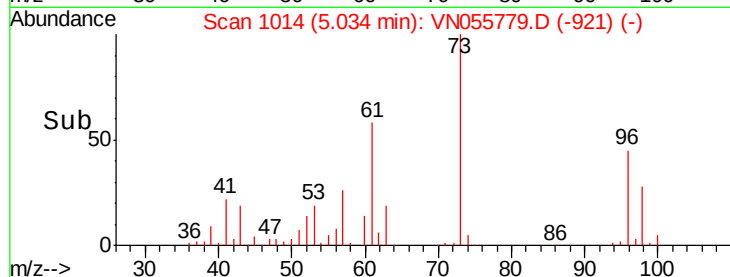
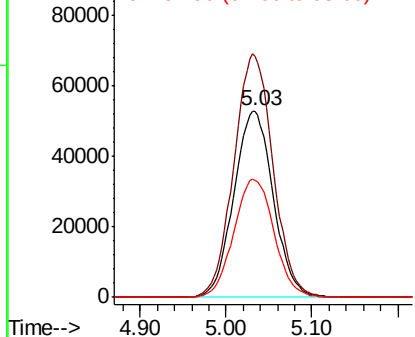
#21
trans-1,2-Dichloroethene
Concen: 46.523 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 168298
Ion Ratio Lower Upper
96 100
61 129.4 107.8 161.8
98 62.8 49.8 74.8

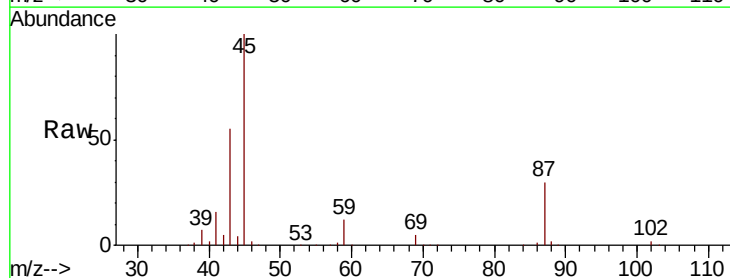


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

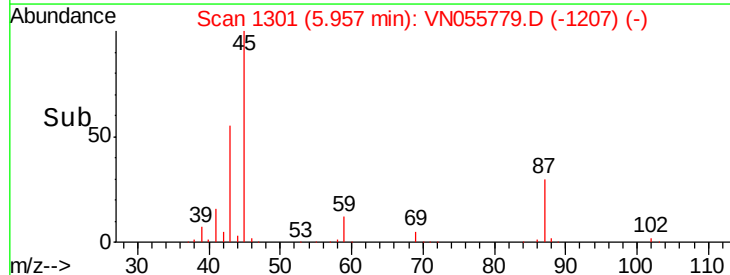
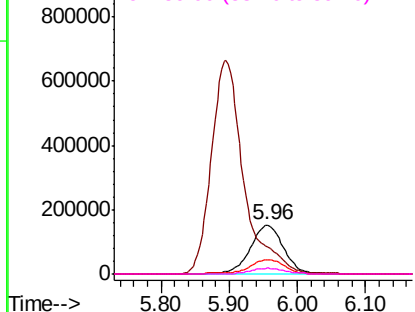


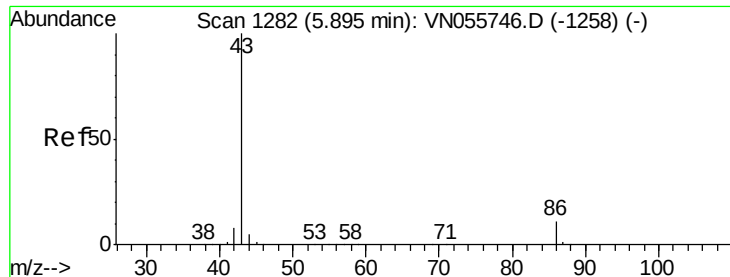
#22
Diisopropyl ether
Concen: 46.057 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 45 Resp: 517090
Ion Ratio Lower Upper
45 100
43 53.7 45.0 67.6
87 29.7 22.2 33.4
59 11.7 9.1 13.7



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





#23

Vinyl Acetate

Concen: 229.160 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

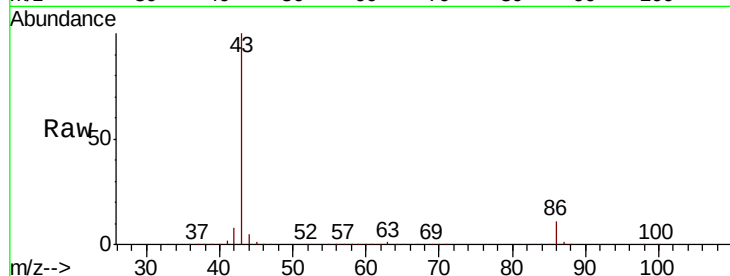
ClientSampleId :

Tot Ion: 43 Resp: 2205898

Ion Ratio Lower Upper

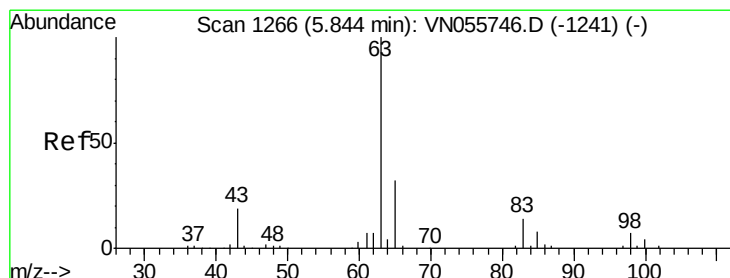
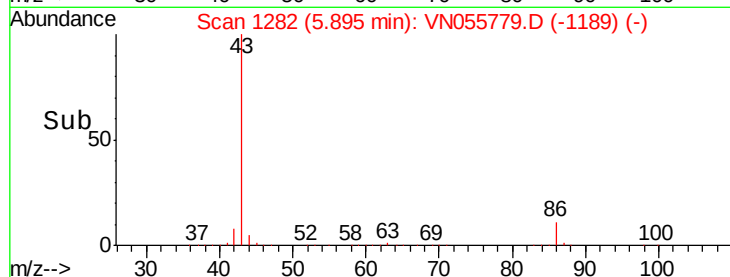
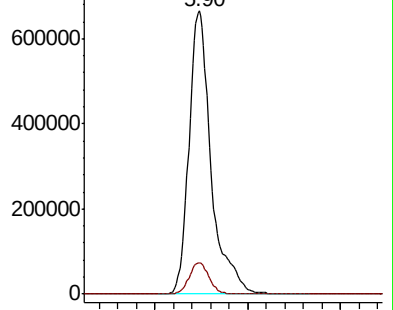
43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055779.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN055779.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 45.485 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

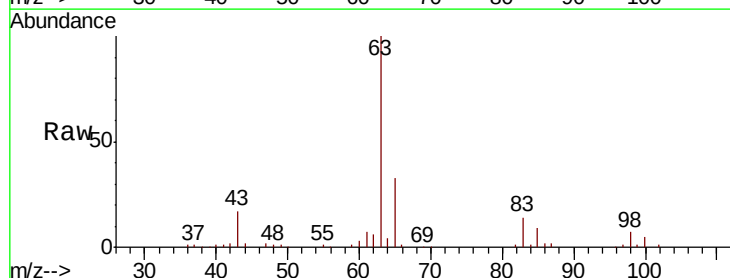
Tgt Ion: 63 Resp: 297327

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

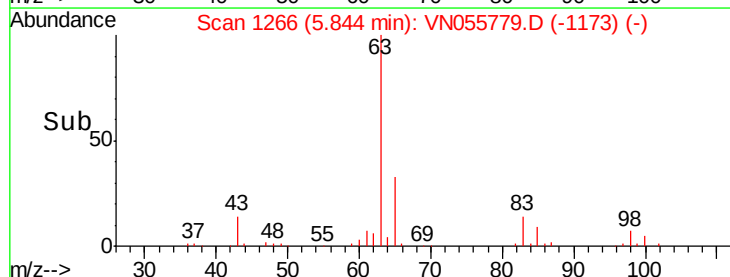
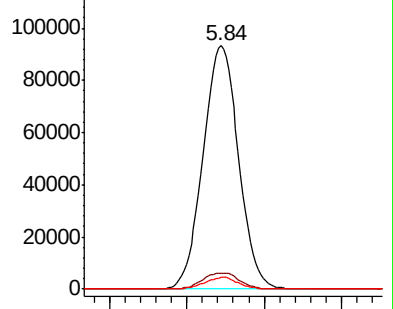
100 4.7 2.2 6.6

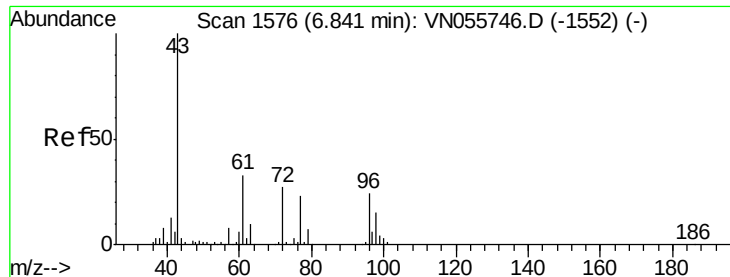


Abundance Ion 62.90 (62.60 to 63.60): VN055779.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055779.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055779.D (-1173) (-)

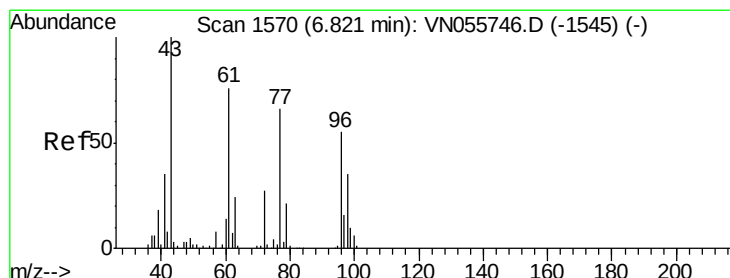
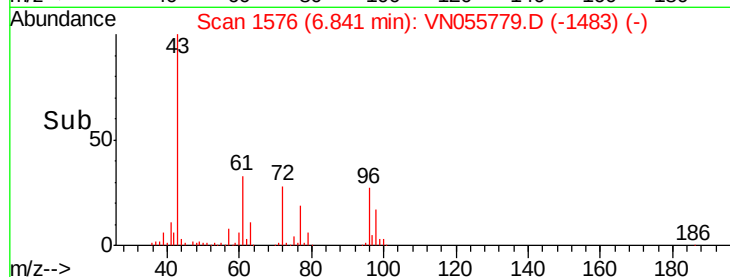
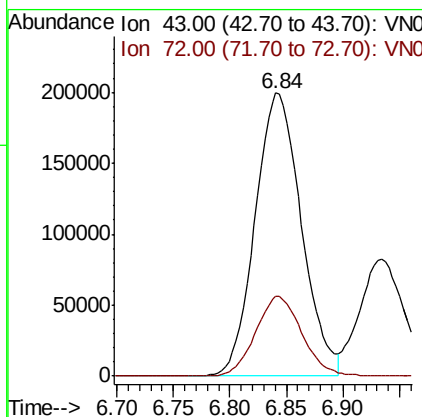
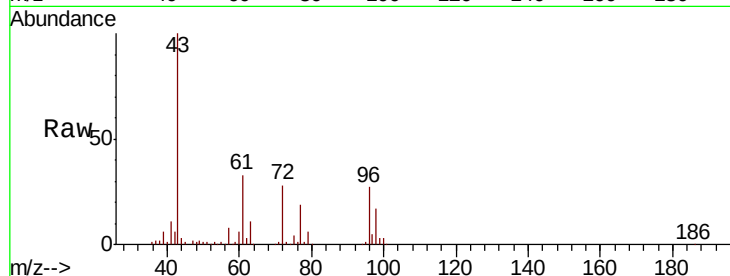




#25
 2-Butanone
 Concen: 224.781 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

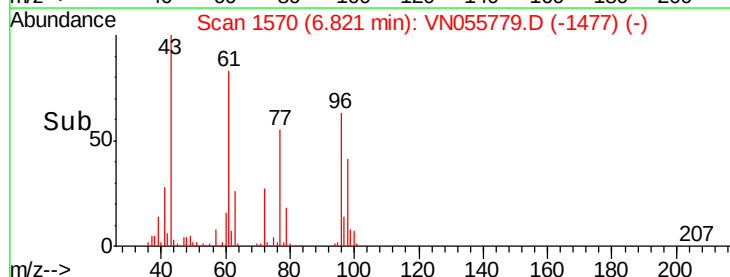
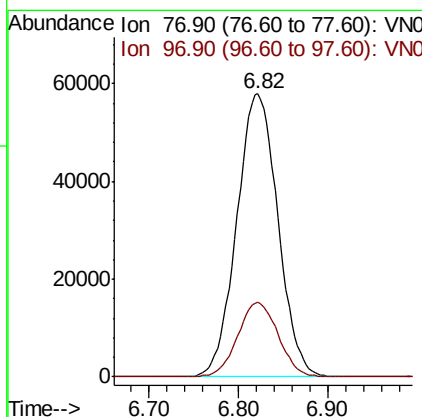
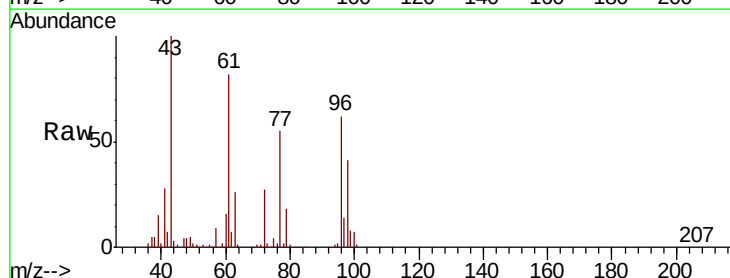
Instrument :
 MSVOA_N
 ClientSampled :

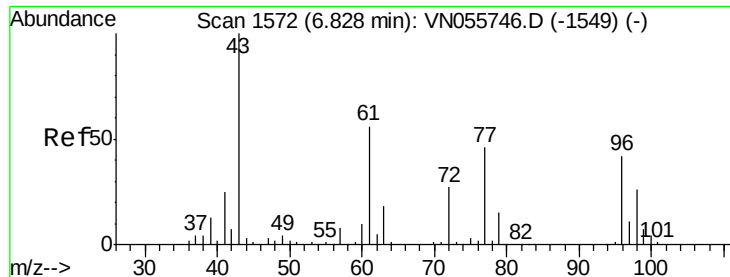
Tot Ion: 43 Resp: 564232
 Ion Ratio Lower Upper
 43 100
 72 28.3 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 32.794 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 77 Resp: 185526
 Ion Ratio Lower Upper
 77 100
 97 25.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.039 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

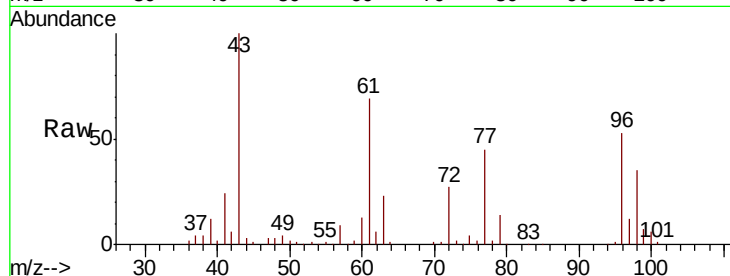
Tot Ion: 96 Resp: 198527

Ion Ratio Lower Upper

96 100

61 130.7 0.0 275.8

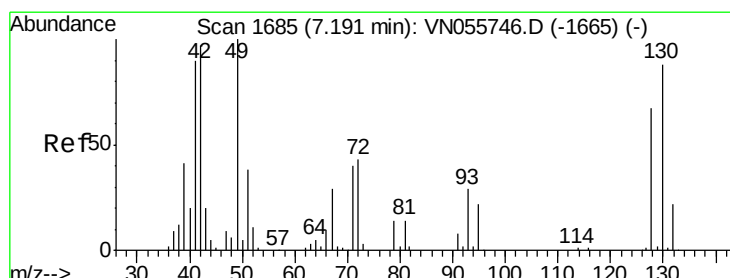
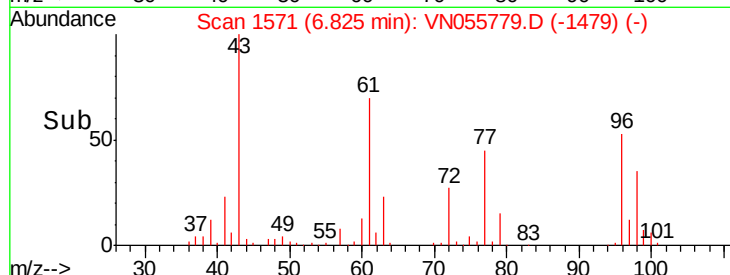
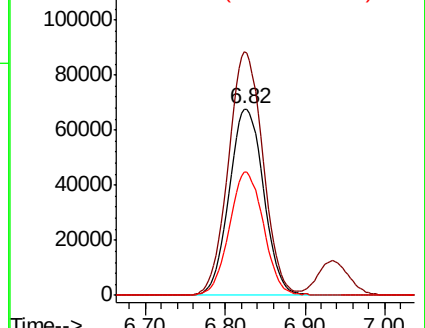
98 65.5 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN055779.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN055779.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN055779.D (-1479) (-)



#28

Bromochloromethane

Concen: 46.652 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

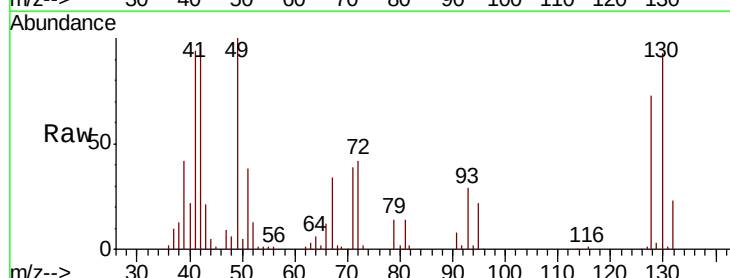
Tgt Ion: 49 Resp: 145193

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

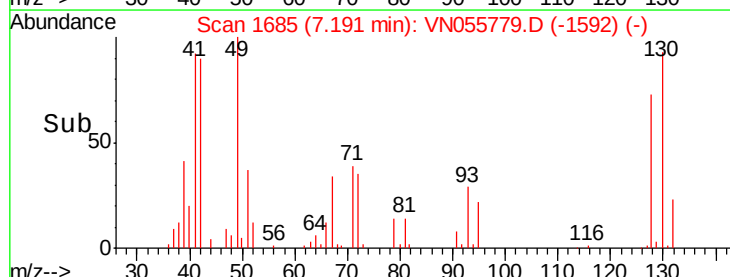
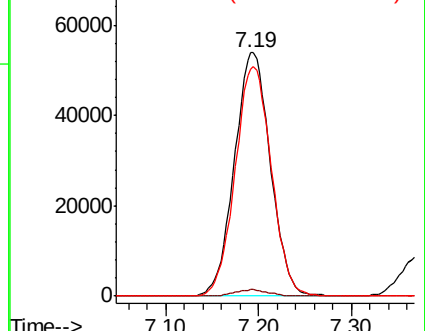
130 94.4 71.2 106.8

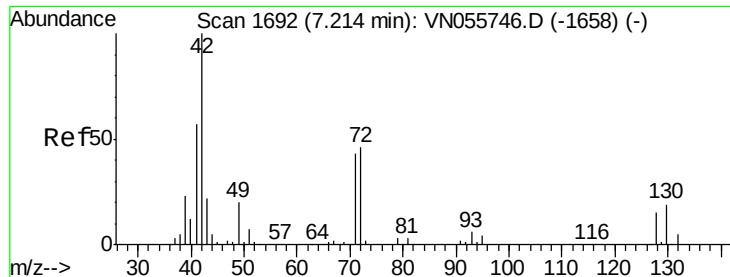


Abundance Ion 48.90 (48.60 to 49.60): VN055779.D (-1592) (-)

Ion 128.80 (128.50 to 129.50): VN055779.D (-1592) (-)

Ion 129.80 (129.50 to 130.50): VN055779.D (-1592) (-)

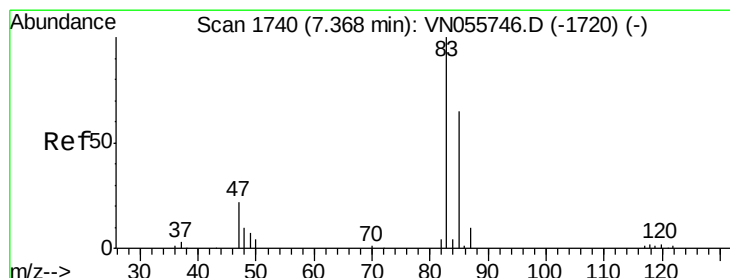
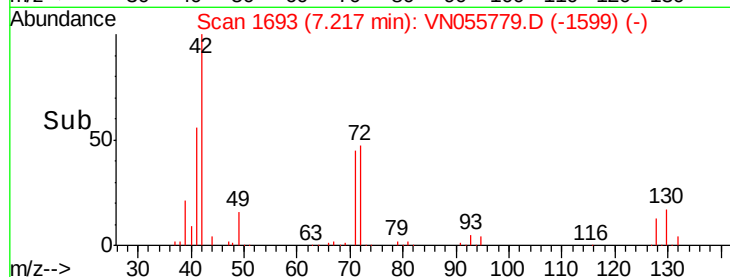
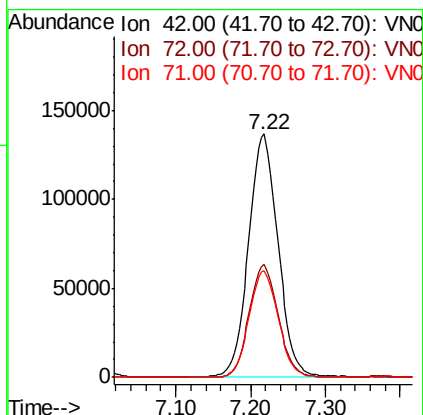
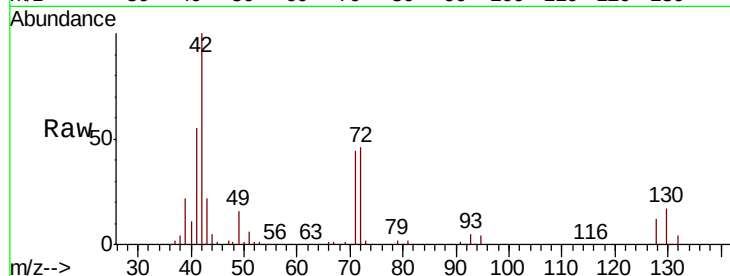




#29
Tetrahydrofuran
Concen: 237.527 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

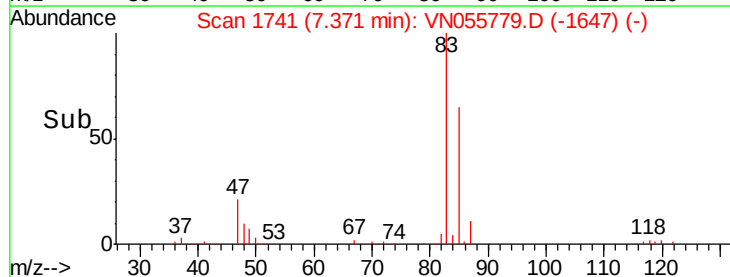
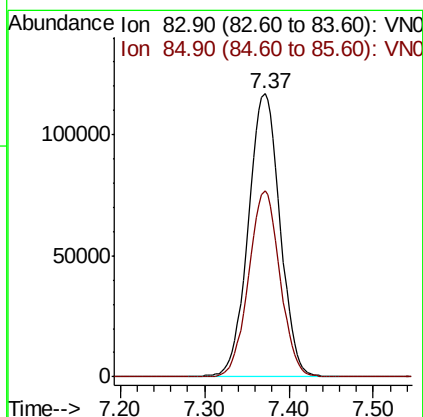
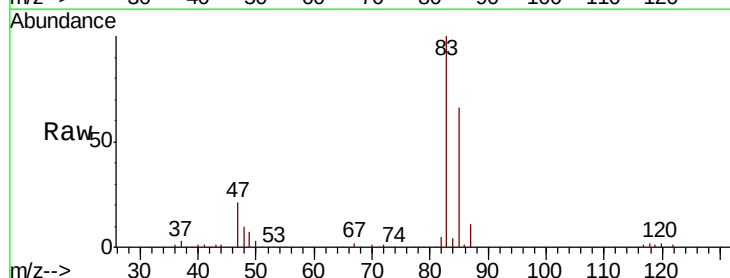
Instrument :
MSVOA_N
ClientSampleId :

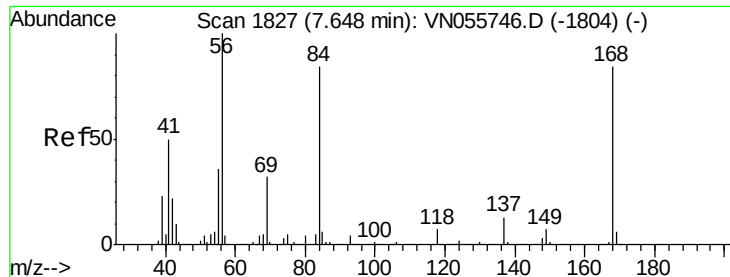
Tot Ion: 42 Resp: 377573
Ion Ratio Lower Upper
42 100
72 45.8 35.9 53.9
71 43.3 34.0 51.0



#30
Chloroform
Concen: 46.963 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 83 Resp: 306153
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.8

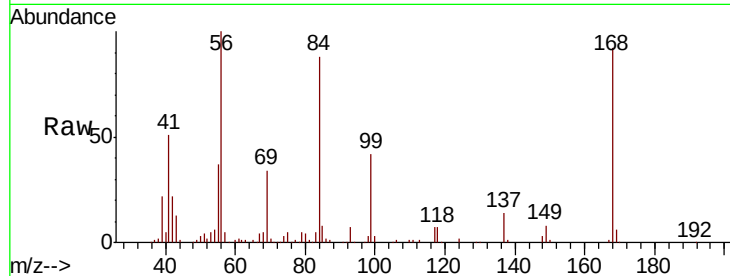




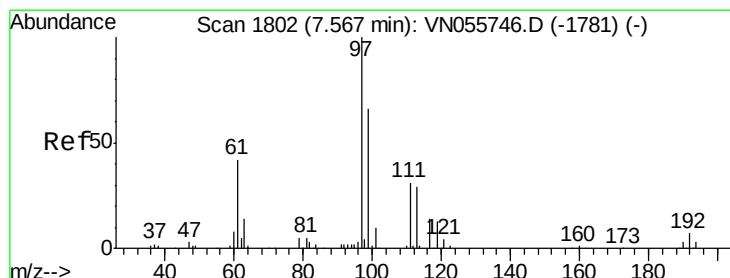
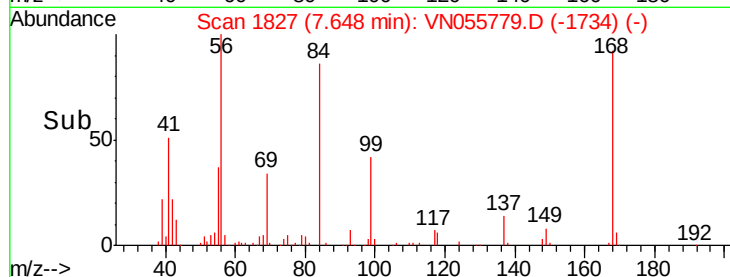
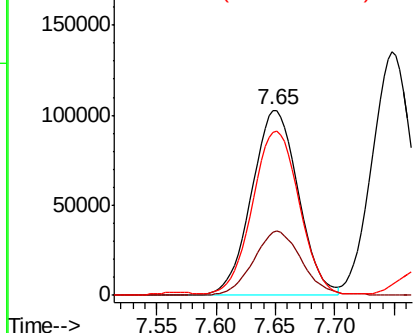
#31
Cyclohexane
Concen: 45.550 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 279546
Ion Ratio Lower Upper
56 100
69 34.1 25.6 38.4
84 86.9 67.4 101.0

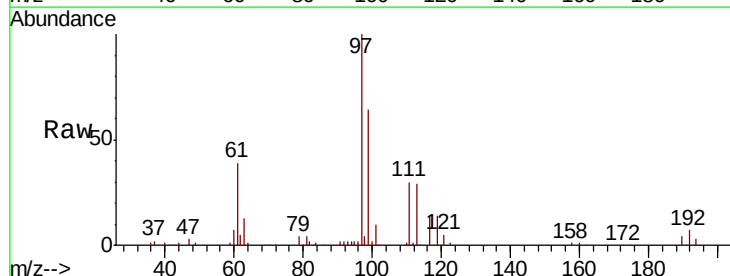


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

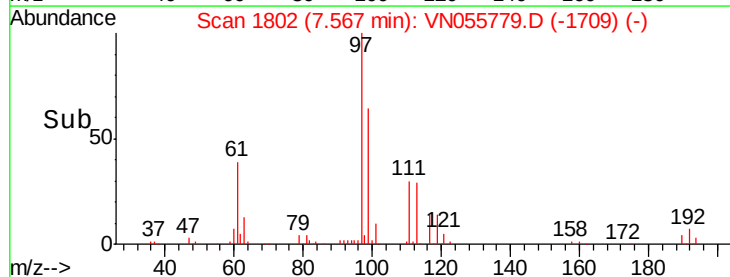
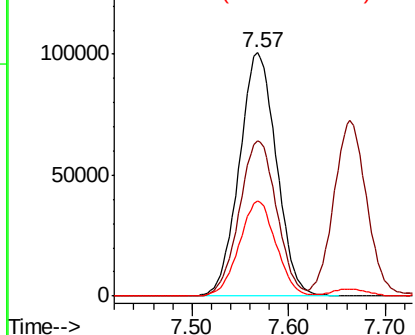


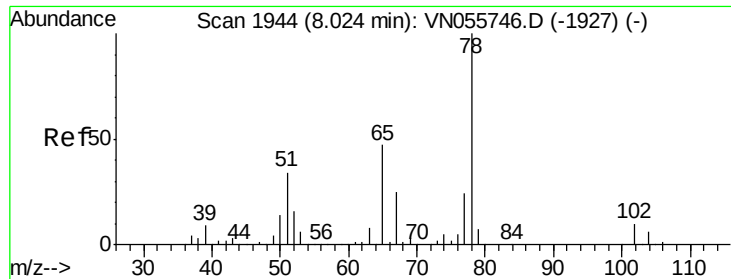
#32
1,1,1-Trichloroethane
Concen: 46.152 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 97 Resp: 268484
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 38.8 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

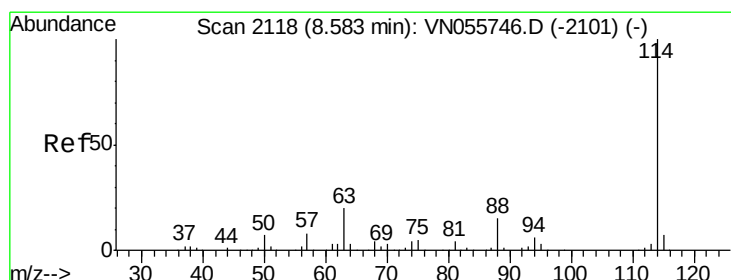
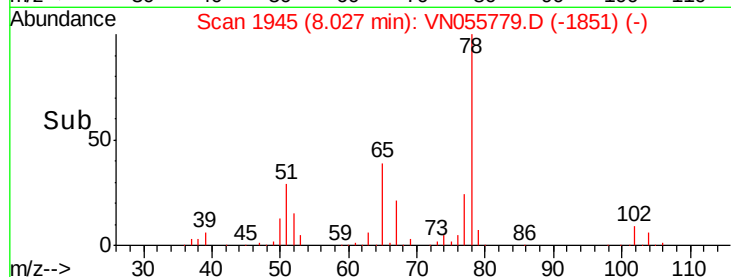
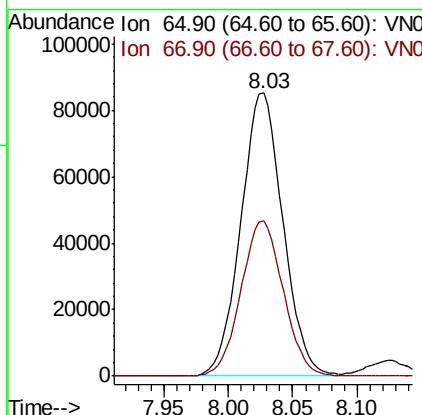
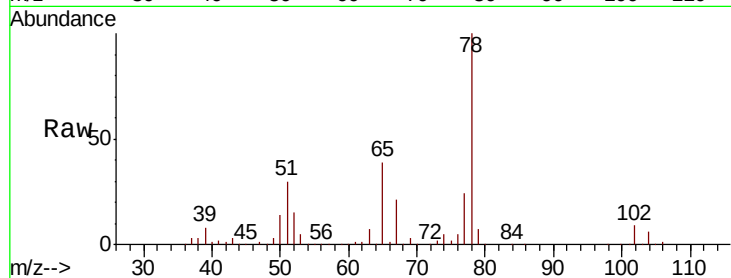




#33
 1,2-Dichloroethane-d4
 Concen: 47.426 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

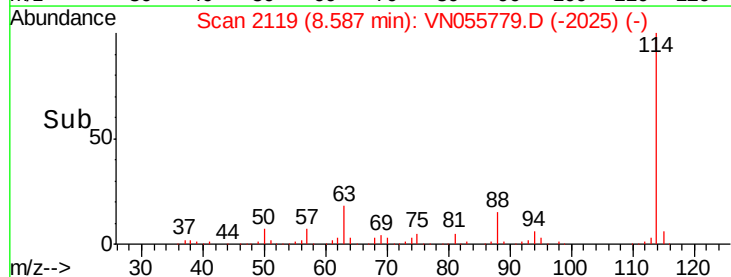
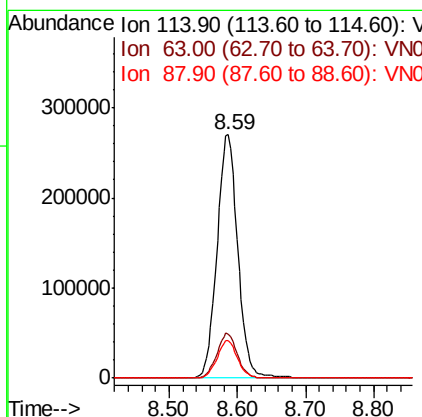
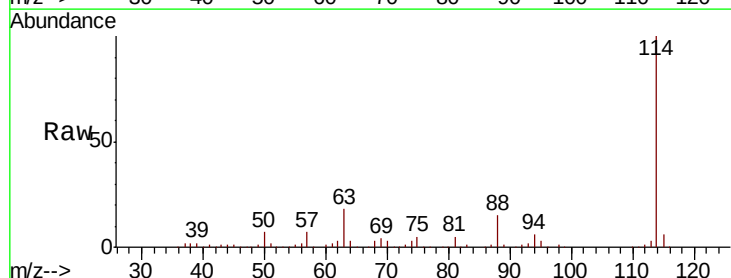
Instrument :
 MSVOA_N
 ClientSampled :

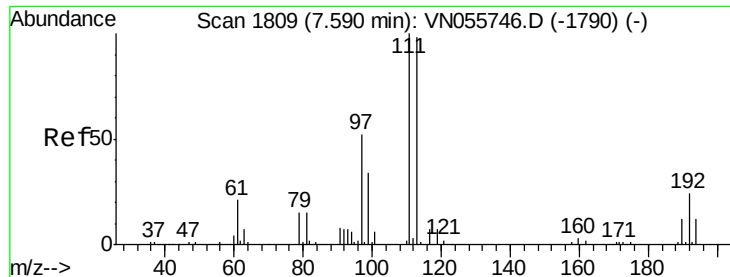
Tot Ion: 65 Resp: 193914
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 114 Resp: 569115
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 15.3 0.0 31.0

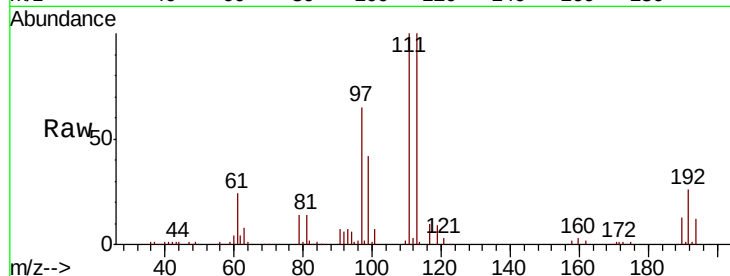




#35
 Dibromofluoromethane
 Concen: 50.586 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.9	122.9
192	25.6	19.5	29.3

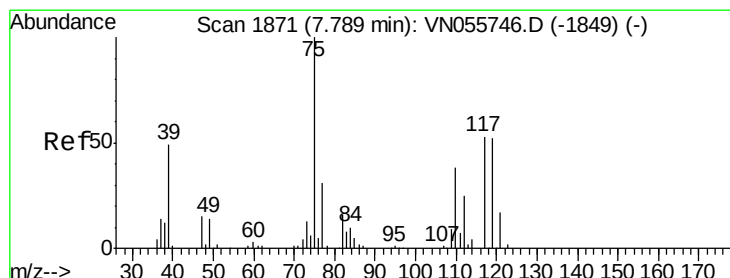
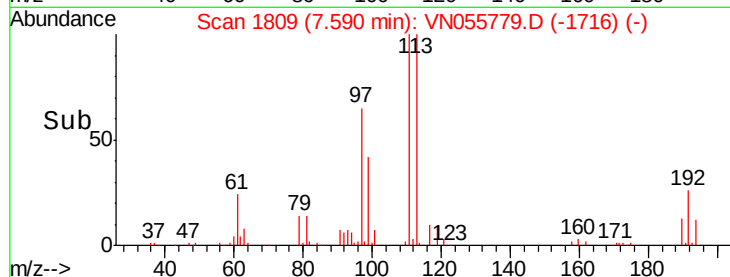
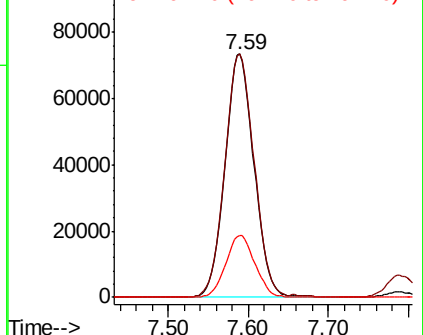


Abundance

Ion 112.80 (112.50 to 113.50): V

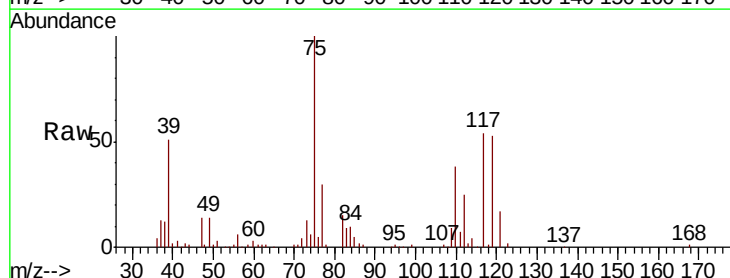
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 45.560 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.0	57.0
77	31.2	25.1	37.7

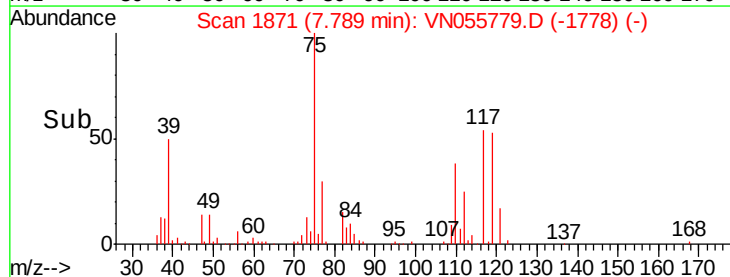
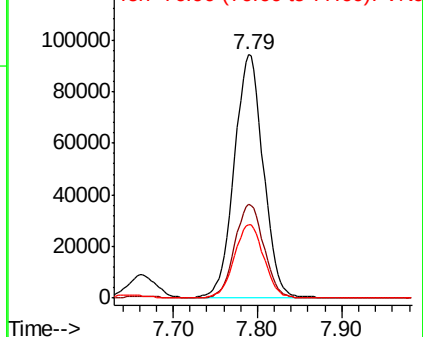


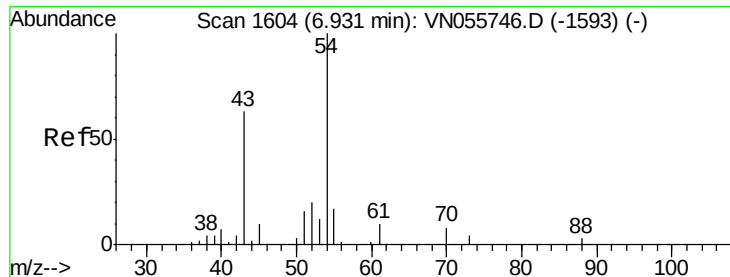
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

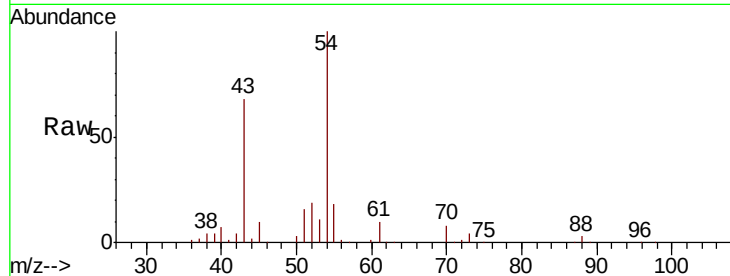




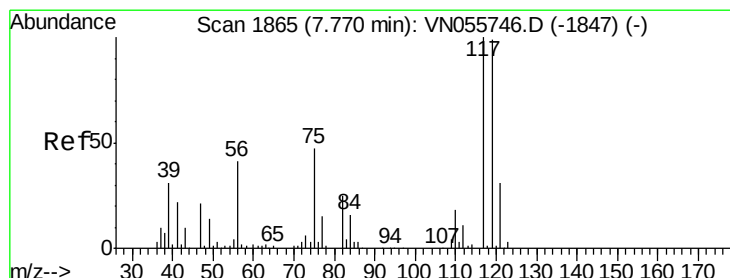
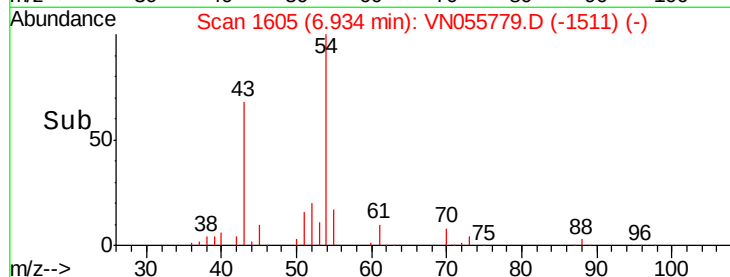
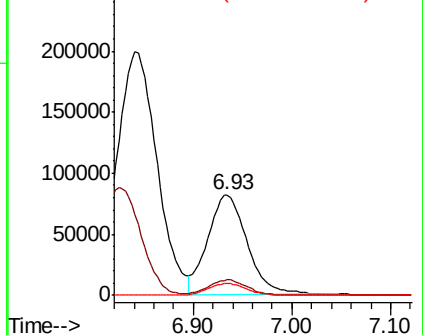
#37
Ethyl Acetate
Concen: 47.700 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 228650
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.2
70 11.6 8.9 13.3

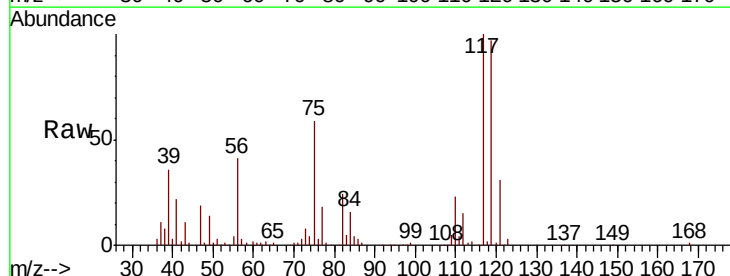


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

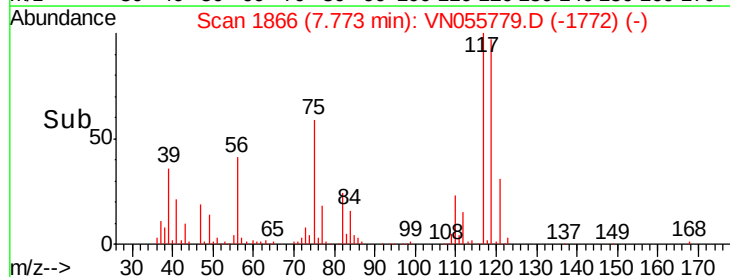
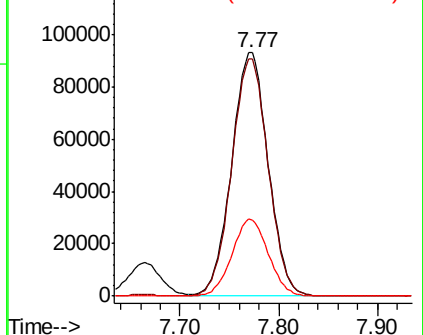


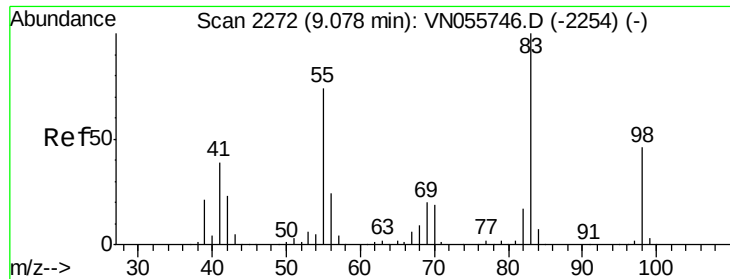
#38
Carbon Tetrachloride
Concen: 46.427 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 117 Resp: 239846
Ion Ratio Lower Upper
117 100
119 97.3 79.0 118.6
121 31.4 24.7 37.1



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

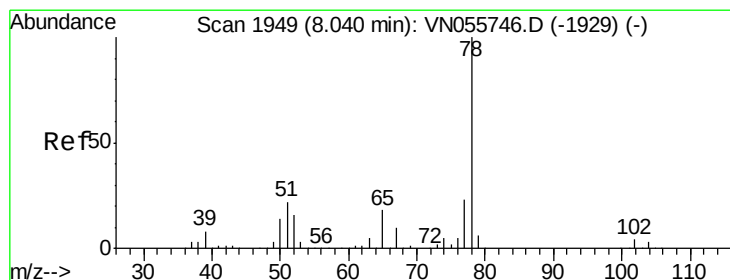
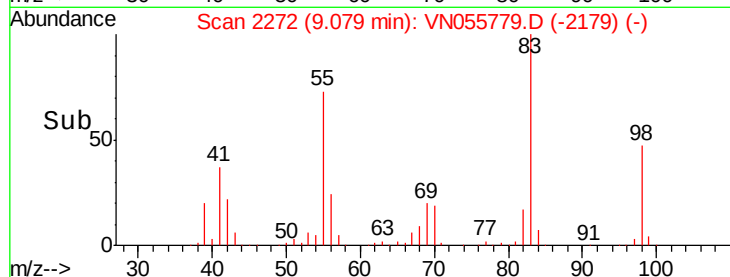
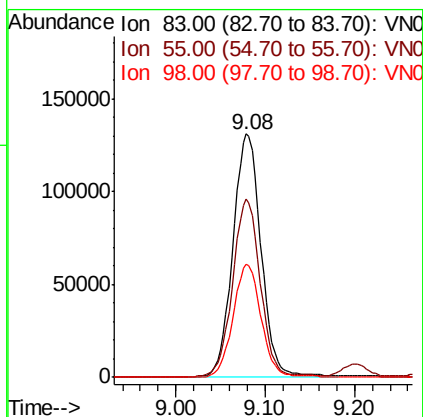
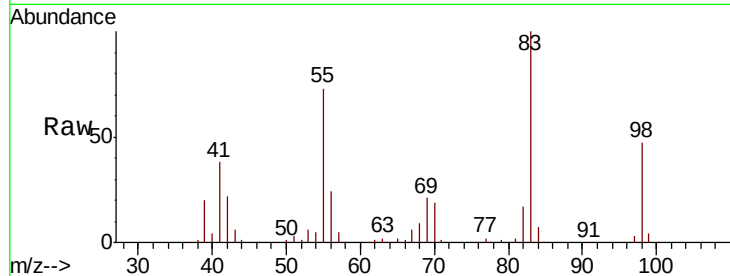




#39
Methylvlcyclohexane
Concen: 46.817 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

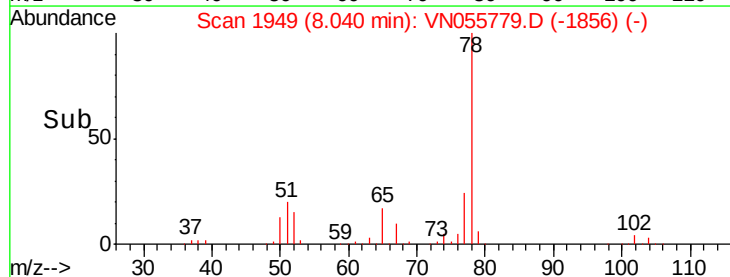
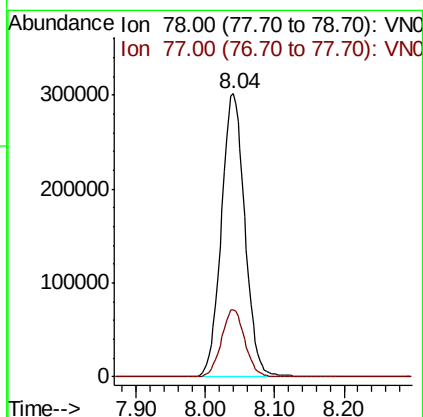
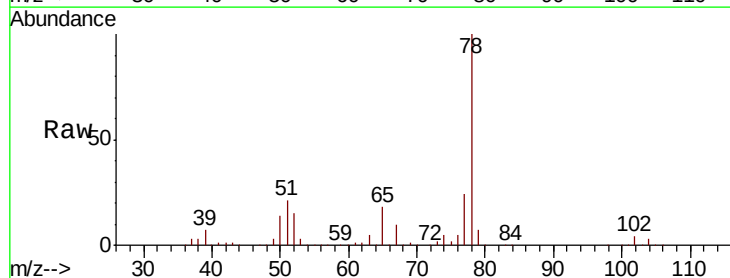
Instrument :
MSVOA_N
ClientSampleId :

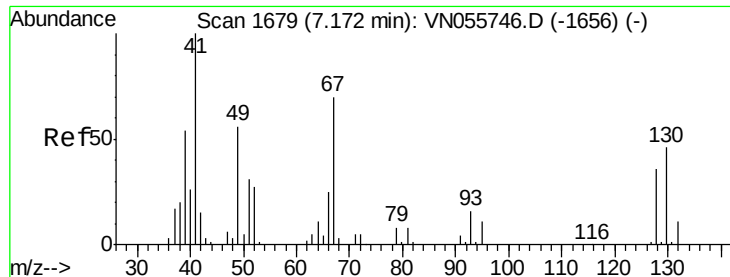
Tot Ion: 83 Resp: 287533
Ion Ratio Lower Upper
83 100
55 72.8 59.3 88.9
98 46.6 36.6 54.8



#40
Benzene
Concen: 47.661 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 78 Resp: 712400
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

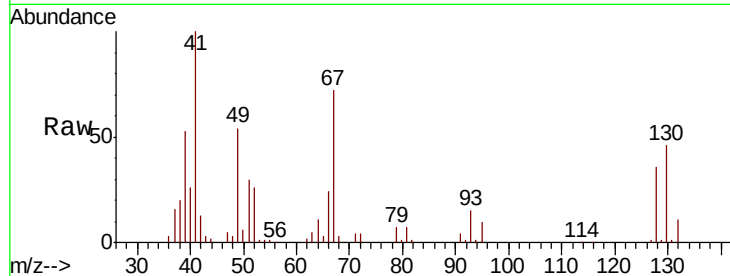




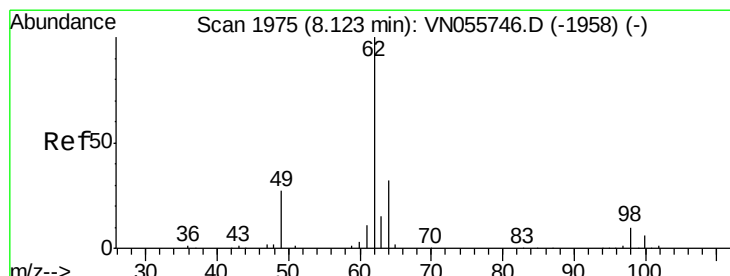
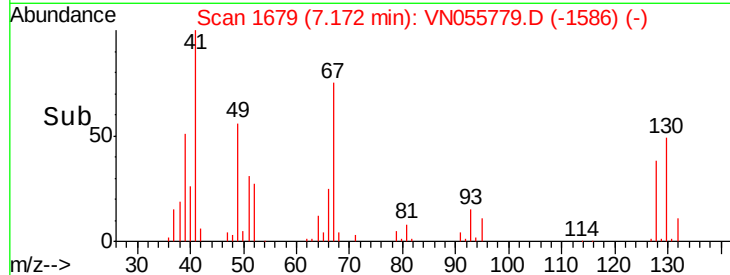
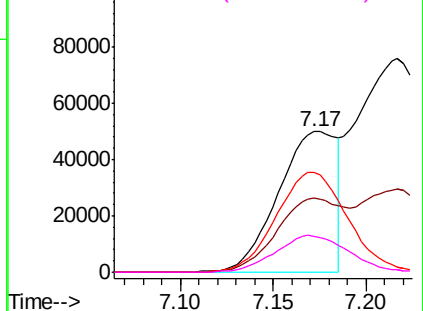
#41
Methacrylonitrile
Concen: 45.239 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 109554
Ion Ratio Lower Upper
41 100
39 61.1 45.6 68.4
67 87.7 67.7 101.5
52 33.4 26.6 40.0

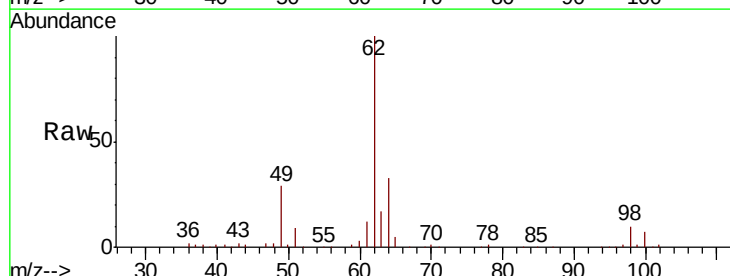


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

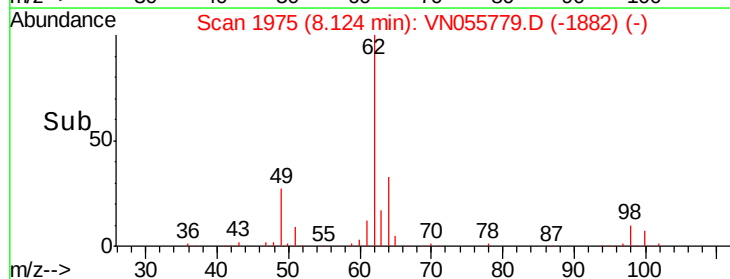
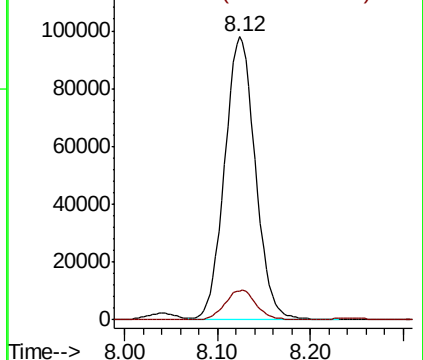


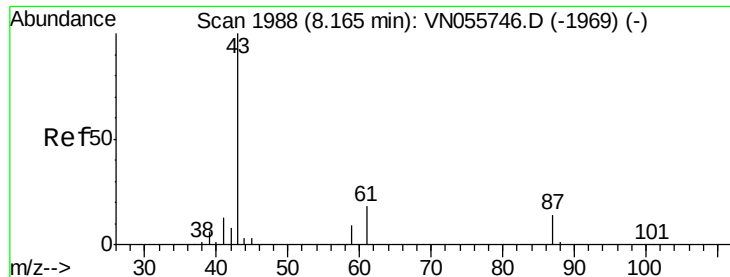
#42
1,2-Dichloroethane
Concen: 45.876 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 62 Resp: 224069
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 48.228 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

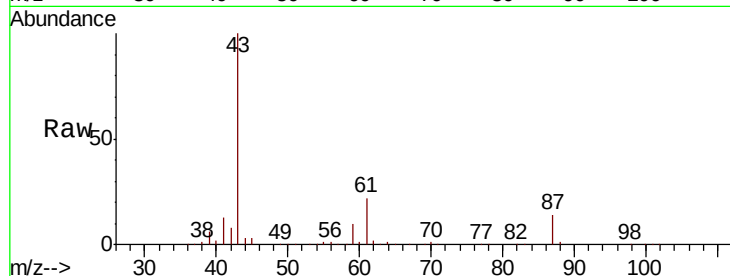
Tot Ion: 43 Resp: 388425

Ion Ratio Lower Upper

43 100

61 22.1 22.2 33.4#

87 14.3 11.4 17.2

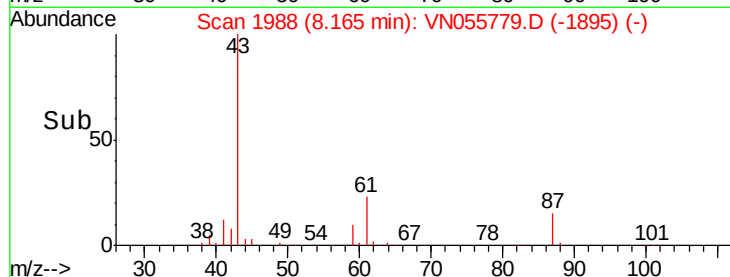


Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

Time-->

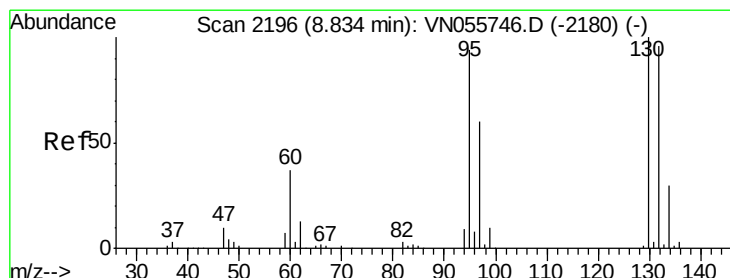


Abundance Ion 43.00 (42.70 to 43.70): VN055779.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055779.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055779.D (-1895) (-)

Time-->



#44

Trichloroethene

Concen: 50.467 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055779.D

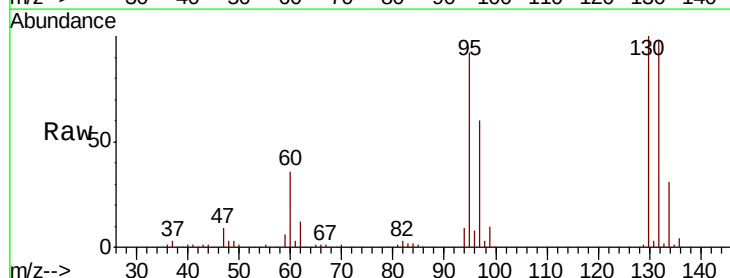
Acq: 24 May 2019 1:58

Tgt Ion:130 Resp: 210297

Ion Ratio Lower Upper

130 100

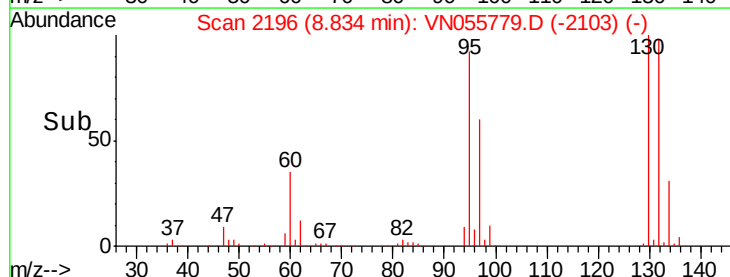
95 91.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

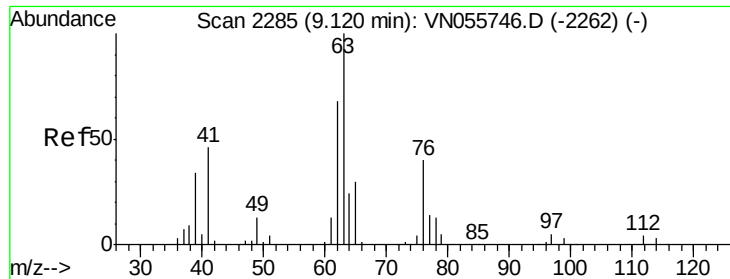
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN055779.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055779.D (-2103) (-)

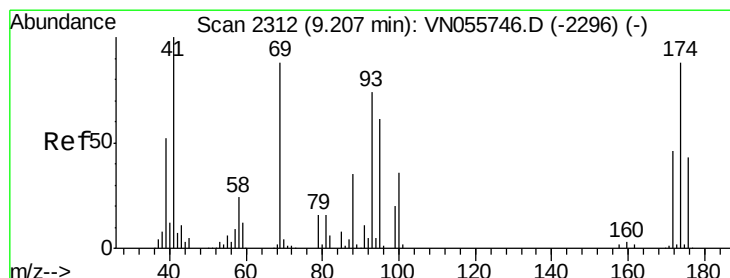
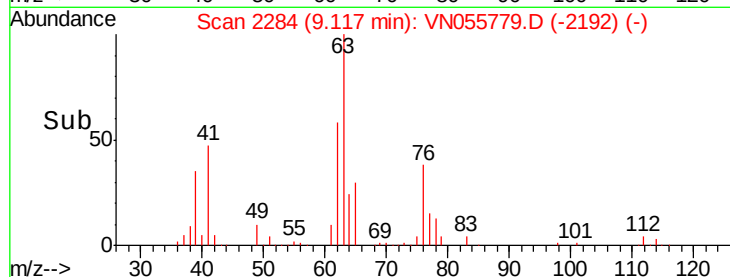
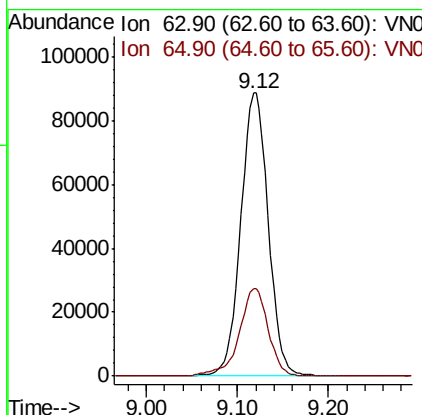
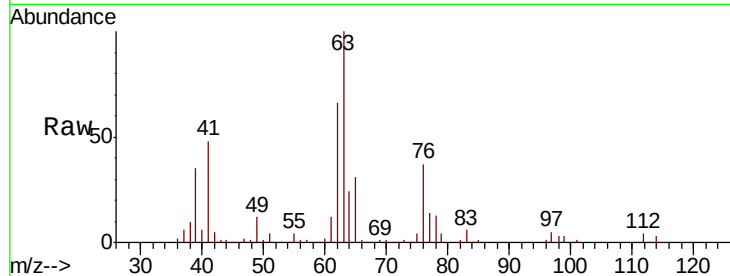
Time-->



#45
 1,2-Dichloropropane
 Concen: 47.725 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

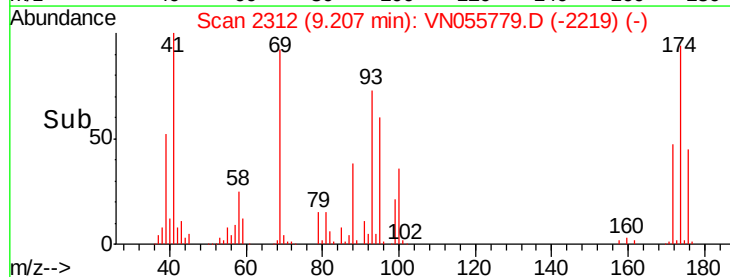
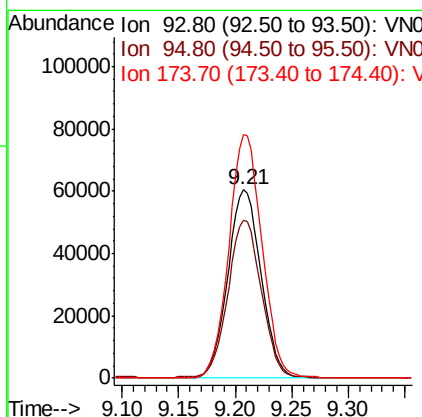
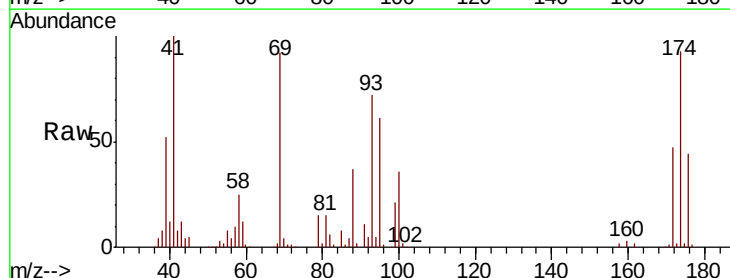
Instrument :
 MSVOA_N
 ClientSampled :

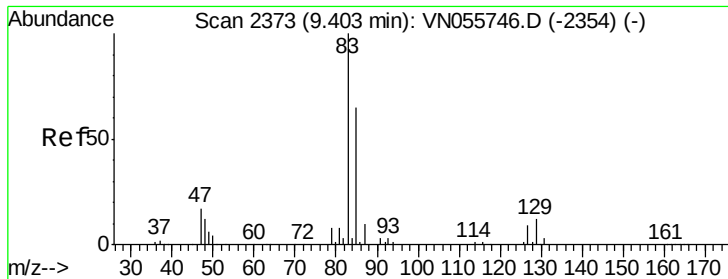
Tot Ion: 63 Resp: 185861
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 48.584 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 93 Resp: 124085
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.7 100.1
 174 128.7 96.4 144.6





#47

Bromodichloromethane

Concen: 46.708 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

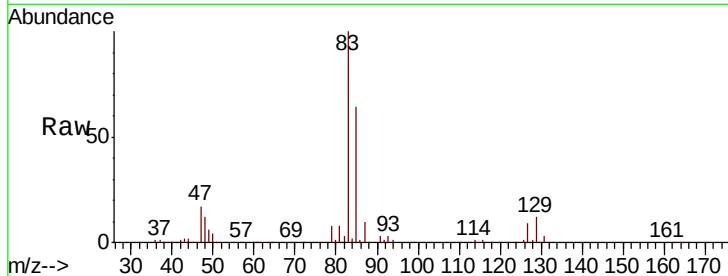
Tot Ion: 83 Resp: 244610

Ion Ratio Lower Upper

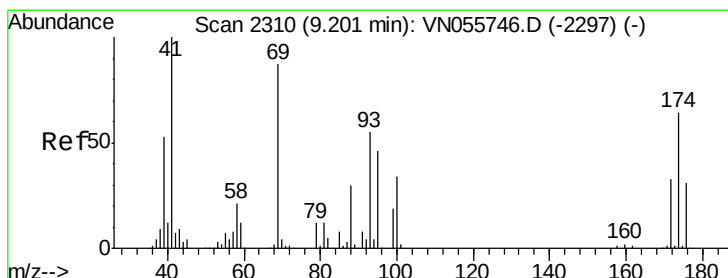
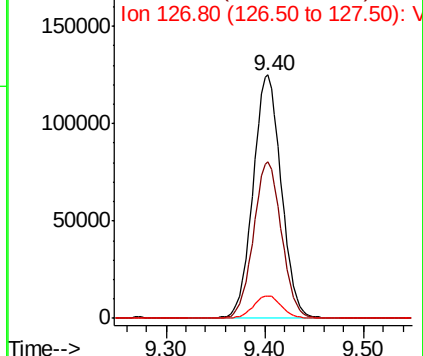
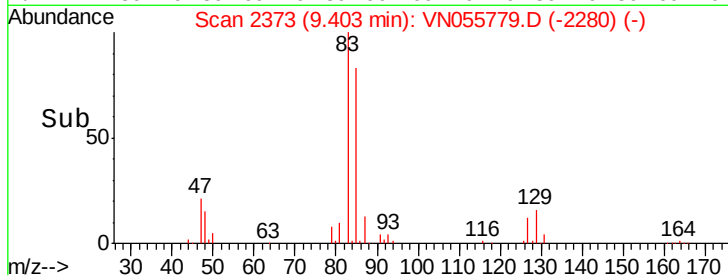
83 100

85 64.1 52.2 78.2

127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055779.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.063 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

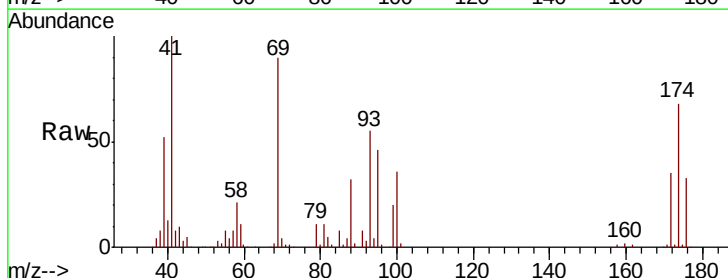
Tgt Ion: 41 Resp: 178403

Ion Ratio Lower Upper

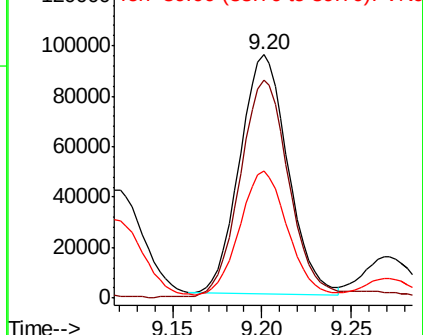
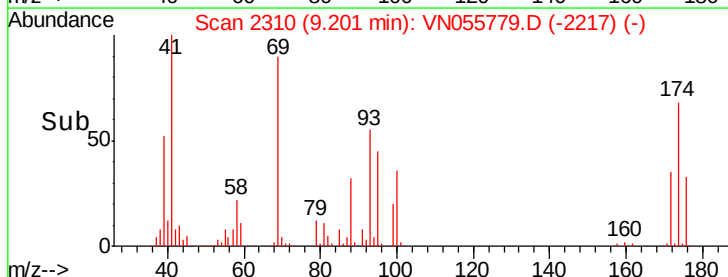
41 100

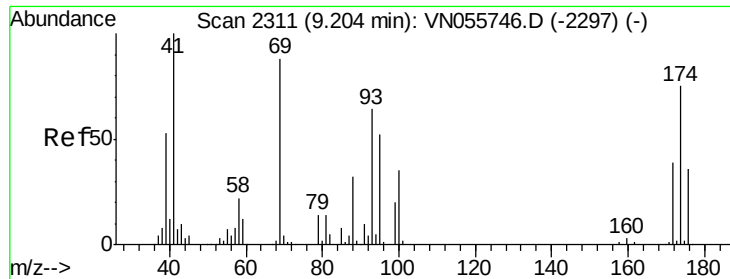
69 91.9 71.0 106.6

39 53.8 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055779.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1015.419 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

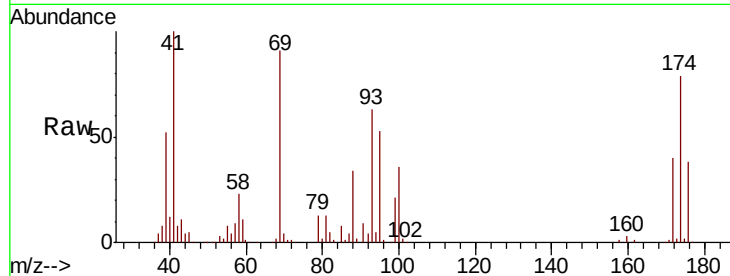
Tot Ion: 88 Resp: 78324

Ion Ratio Lower Upper

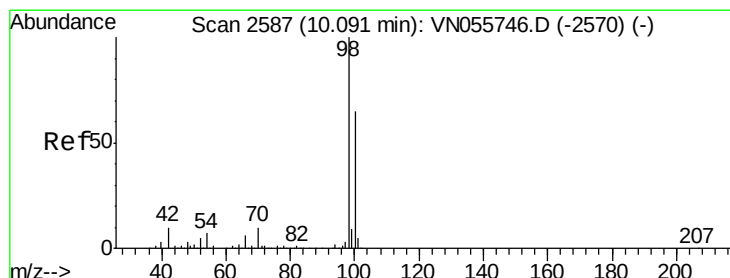
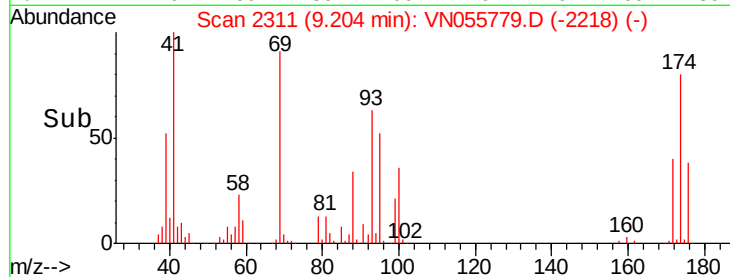
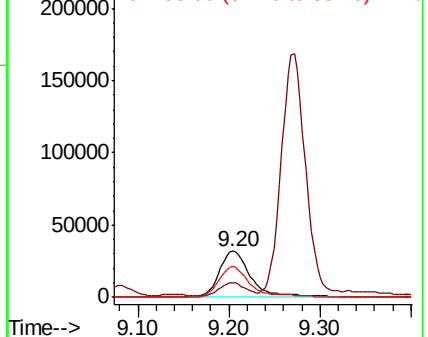
88 100

43 22.9 20.5 30.7

58 62.5 55.8 83.6



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: 50.143 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055779.D

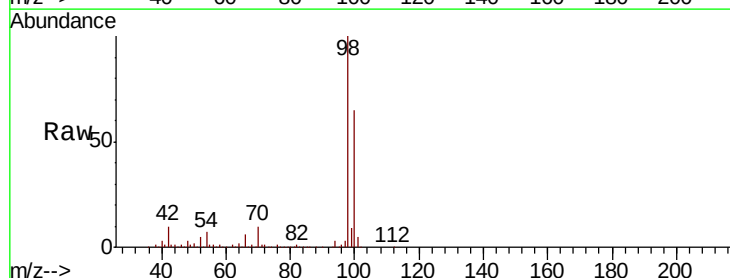
Acq: 24 May 2019 1:58

Tgt Ion: 98 Resp: 692083

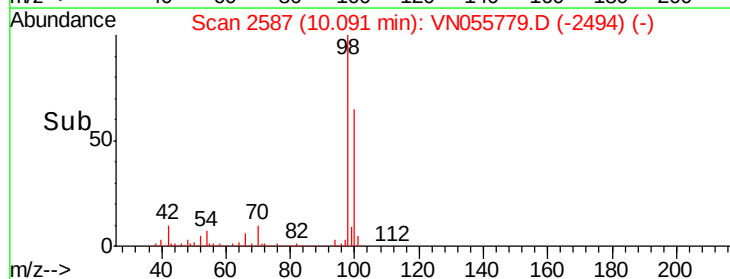
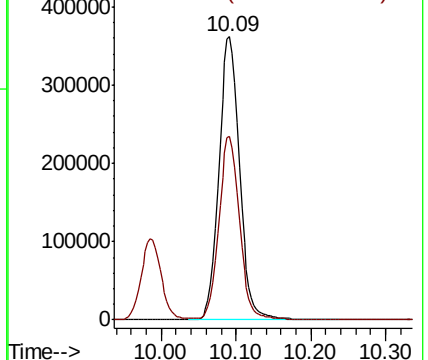
Ion Ratio Lower Upper

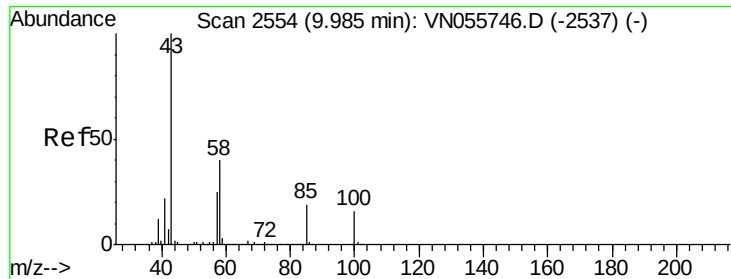
98 100

100 64.8 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 244.065 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

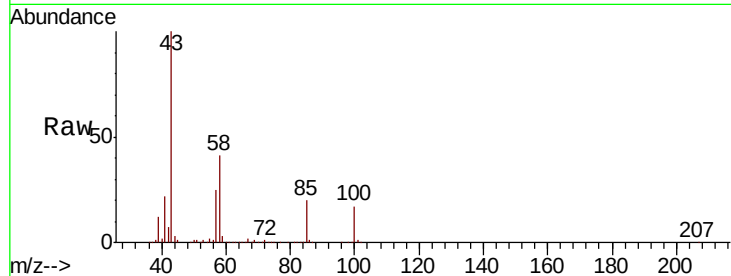
ClientSampleId :

Tot Ion: 43 Resp: 1160919

Ion Ratio Lower Upper

43 100

58 40.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

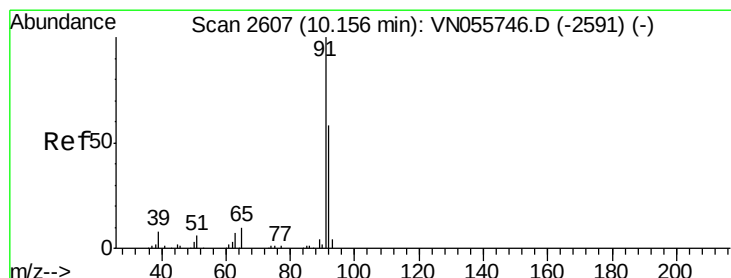
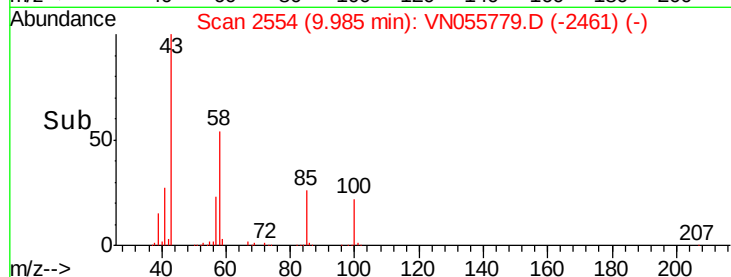
600000

400000

200000

0

9.90 10.00 10.10



#52

Toluene

Concen: 48.943 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055779.D

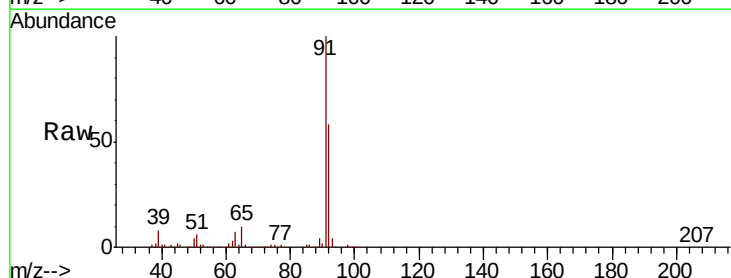
Acq: 24 May 2019 1:58

Tgt Ion: 92 Resp: 460104

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

500000

400000

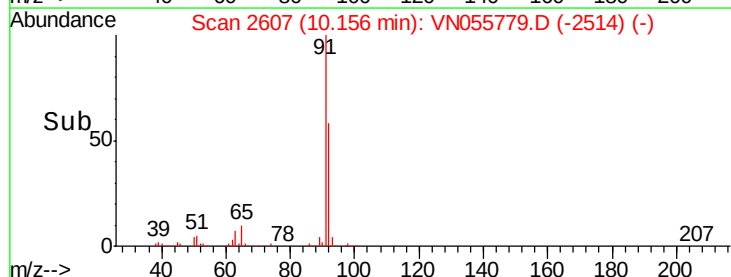
300000

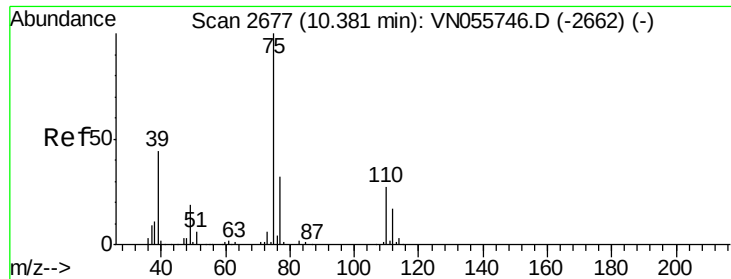
200000

100000

0

10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 46.537 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

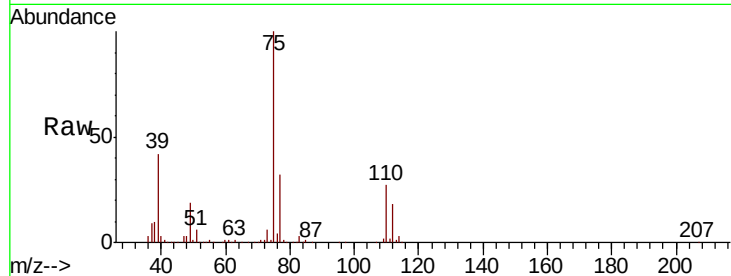
ClientSampleId :

Tot Ion: 75 Resp: 260146

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

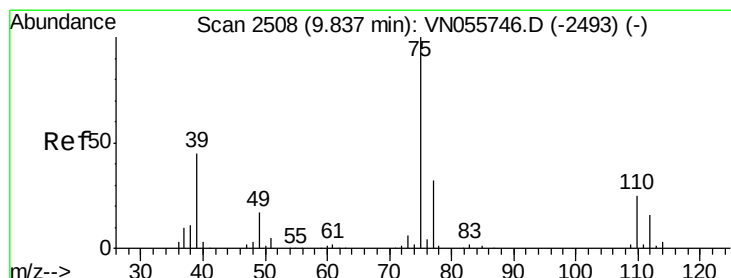
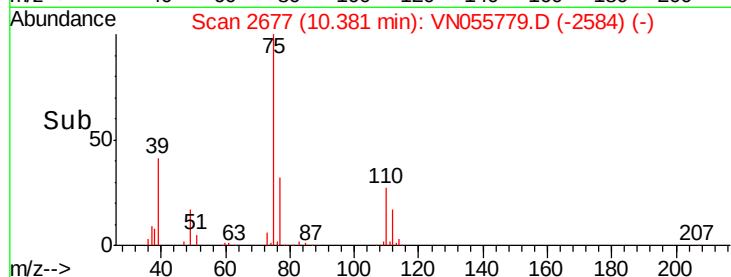
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.246 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

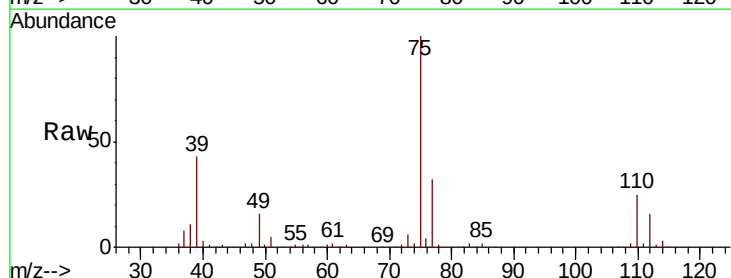
Tgt Ion: 75 Resp: 286395

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 42.3 36.3 54.5



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

9.84

200000

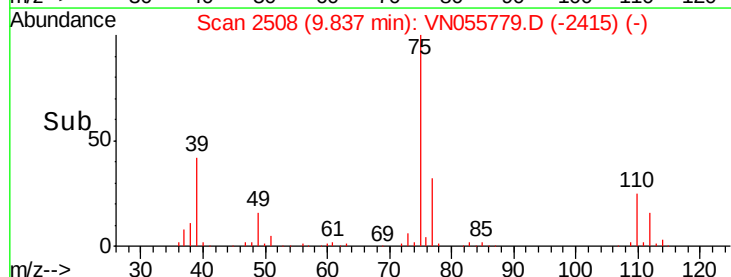
150000

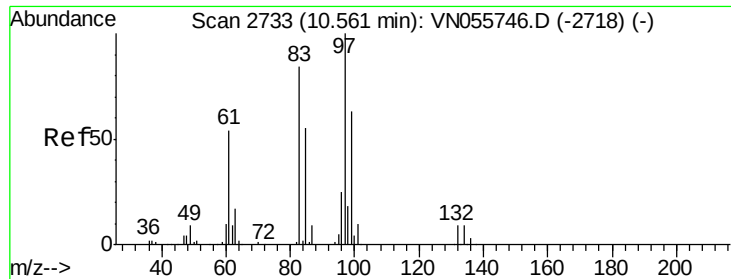
100000

50000

0

Time-->

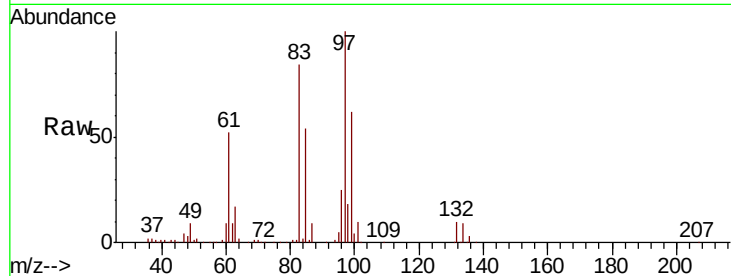




#55
 1,1,2-Trichloroethane
 Concen: 49.717 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	187238
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	54.5	44.0	66.0
99	62.0	50.6	75.8



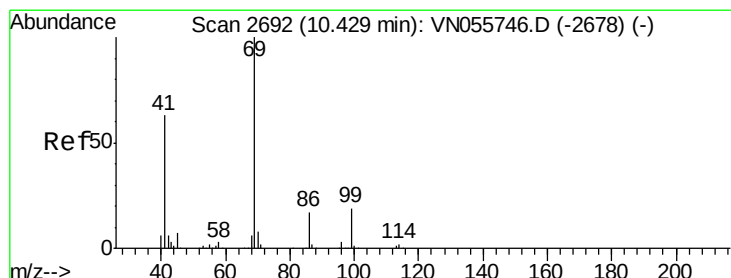
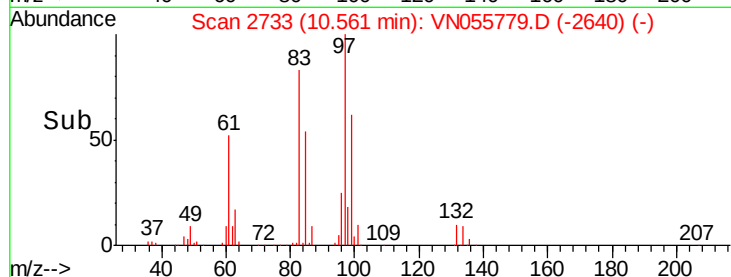
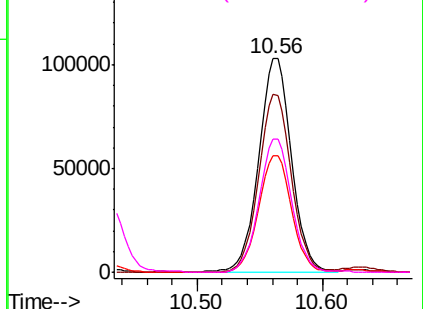
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

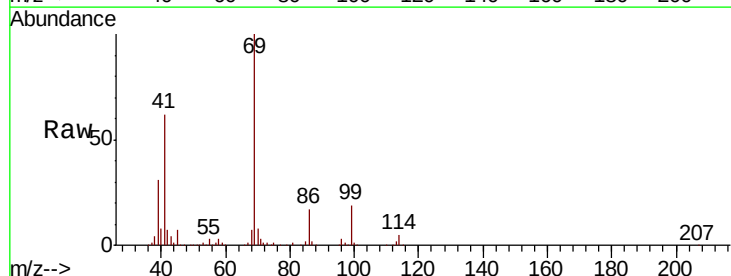
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 50.127 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion:	69	Resp:	291758
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.7	74.5
39	30.4	24.7	37.1

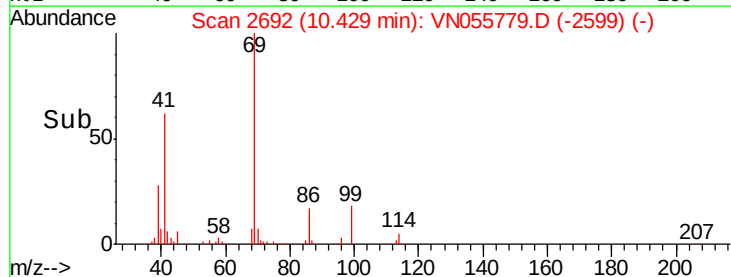
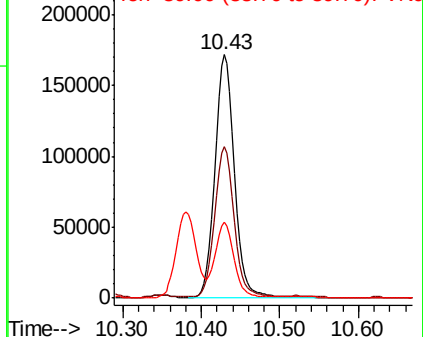


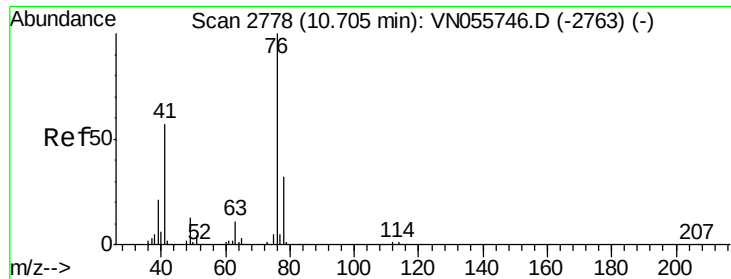
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

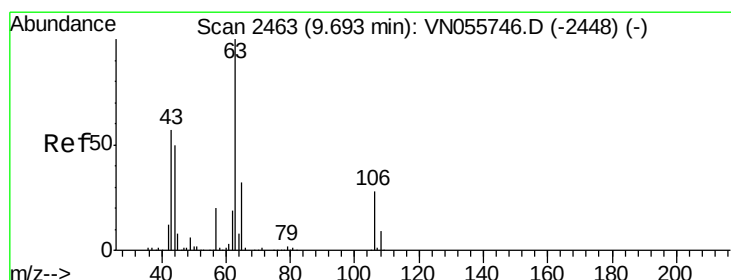
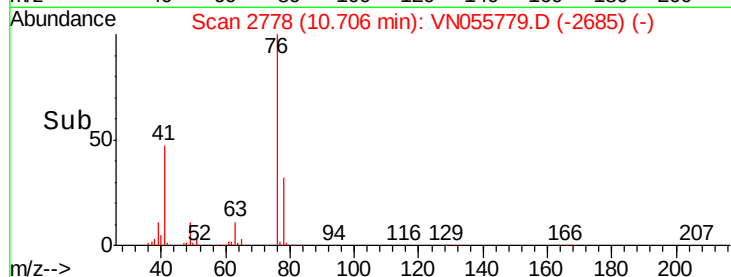
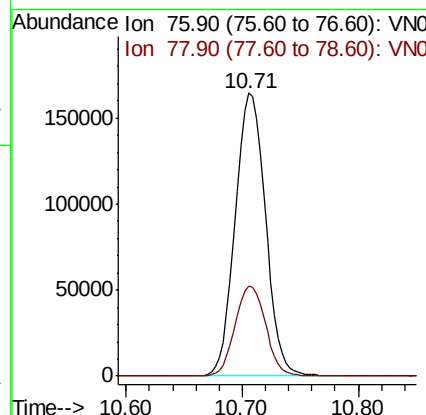
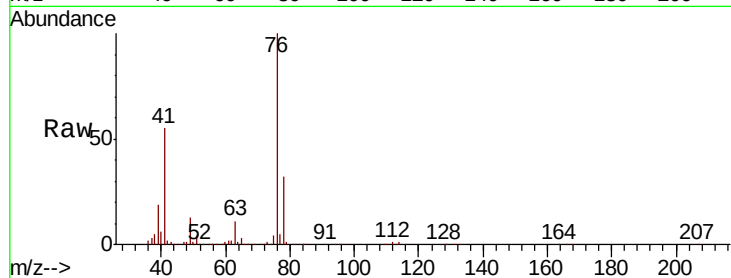




#57
 1,3-Dichloropropane
 Concen: 48.666 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

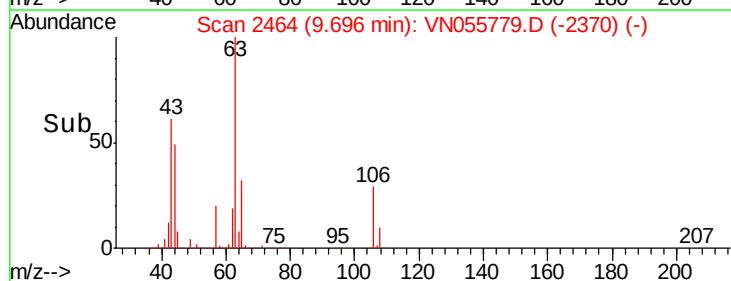
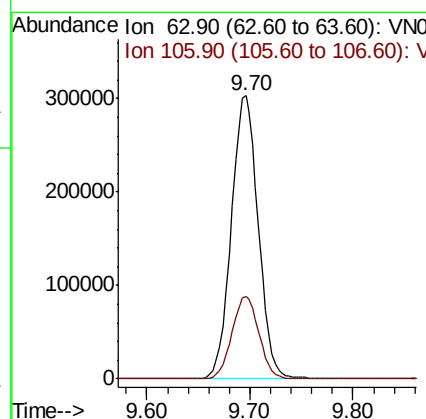
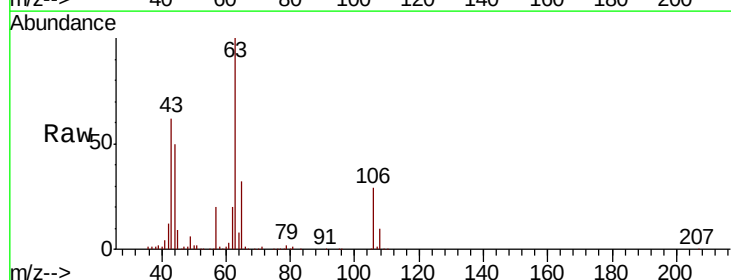
Instrument :
 MSVOA_N
 ClientSampled :

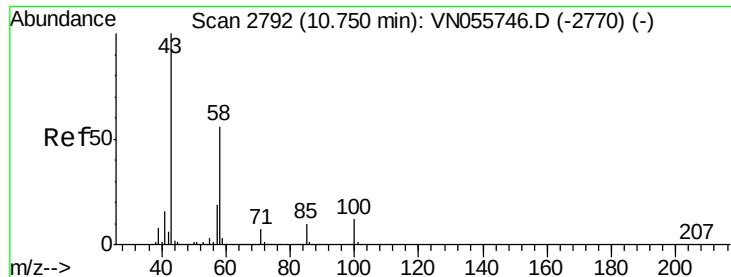
Tot Ion: 76 Resp: 297914
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.831 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 63 Resp: 551248
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.7 34.1

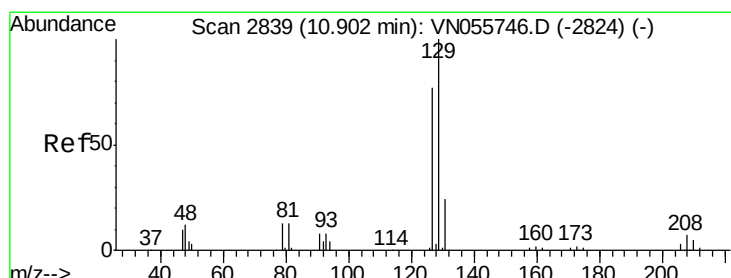
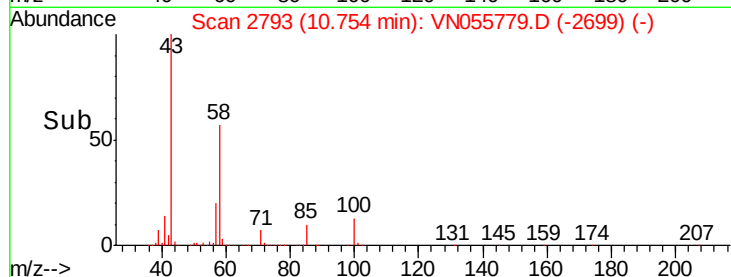
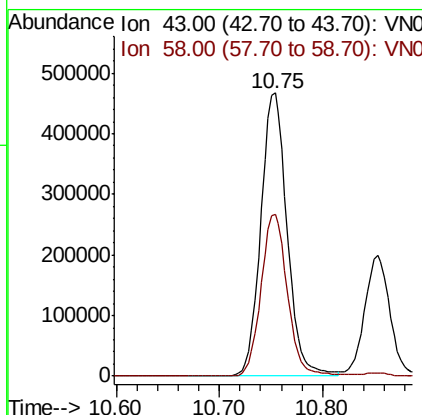
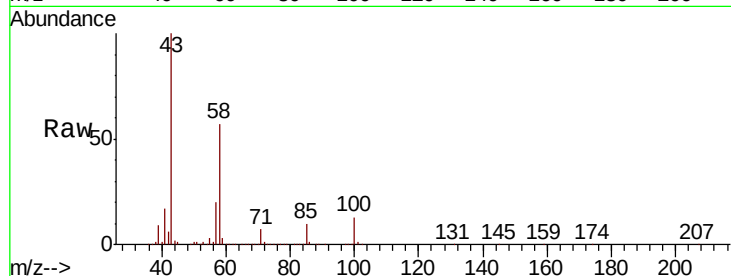




#59
2-Hexanone
Concen: 244.140 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

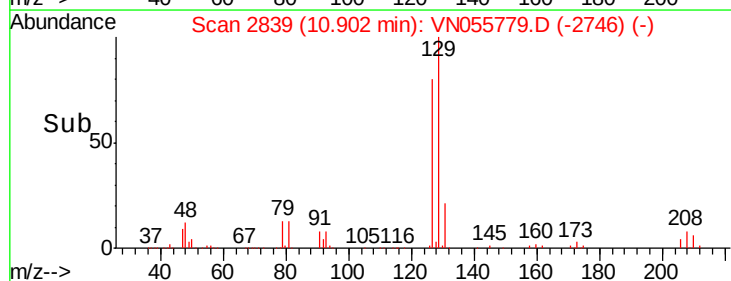
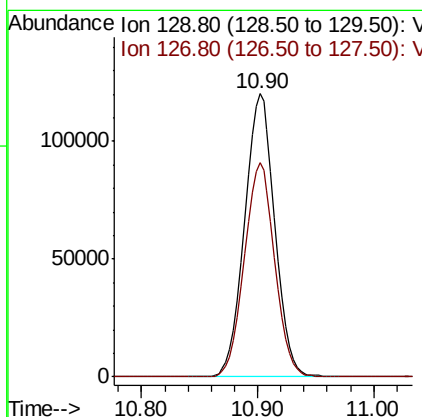
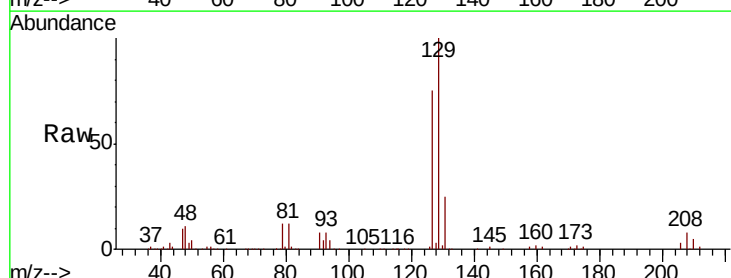
Instrument :
MSVOA_N
ClientSampled :

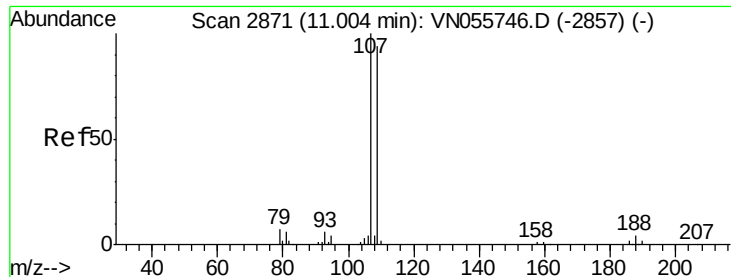
Tot Ion: 43 Resp: 823819
Ion Ratio Lower Upper
43 100
58 57.4 28.2 84.7



#60
Dibromochloromethane
Concen: 49.703 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 129 Resp: 218059
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.3

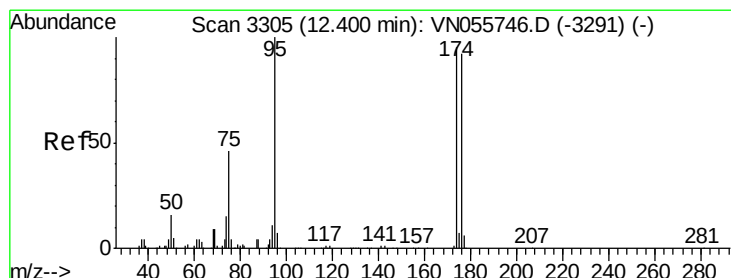
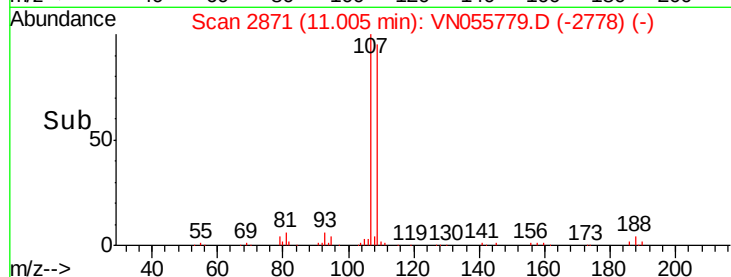
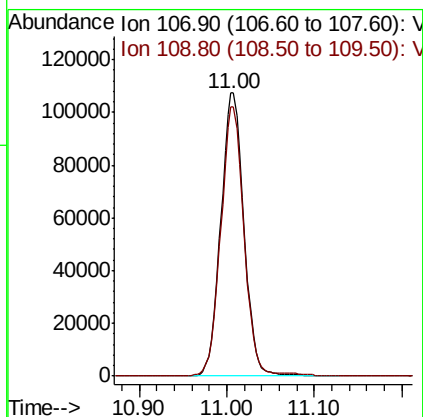
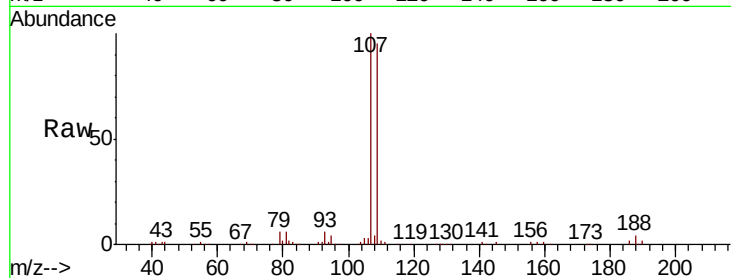




#61
 1,2-Dibromoethane
 Concen: 50.393 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

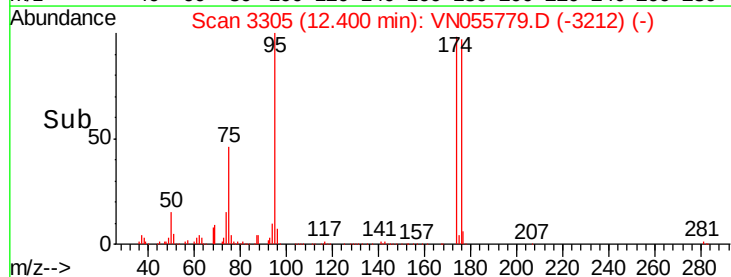
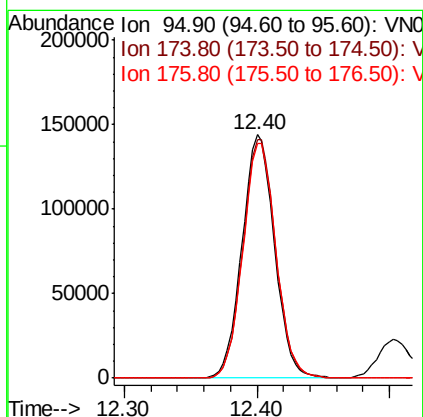
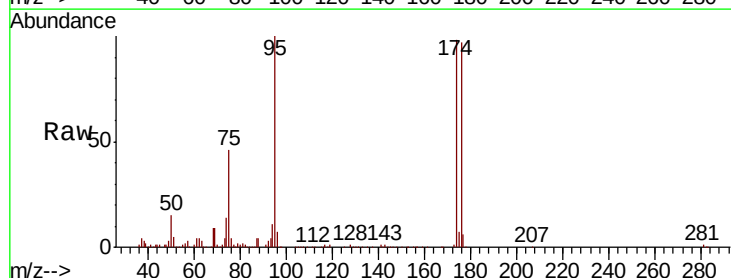
Instrument :
 MSVOA_N
 ClientSampleId :

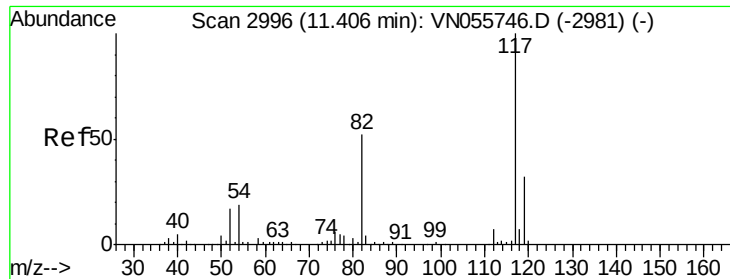
Tot Ion:107 Resp: 196852
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.625 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 95 Resp: 244318
 Ion Ratio Lower Upper
 95 100
 174 99.4 0.0 191.0
 176 98.1 0.0 185.2

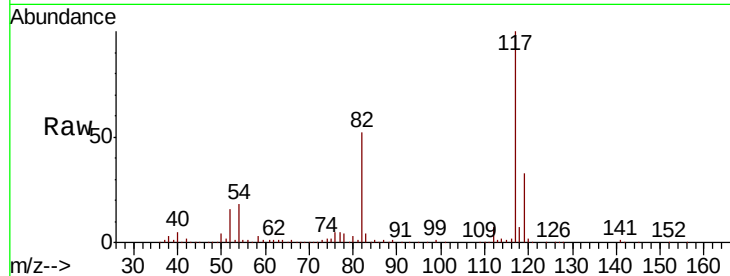




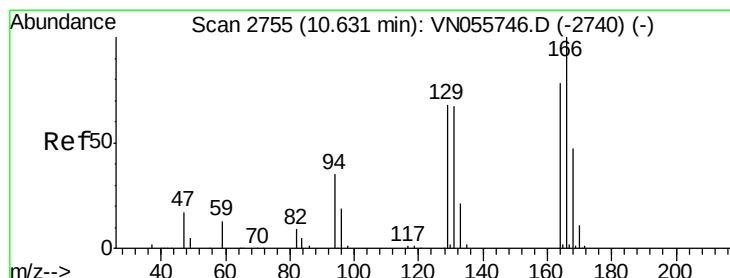
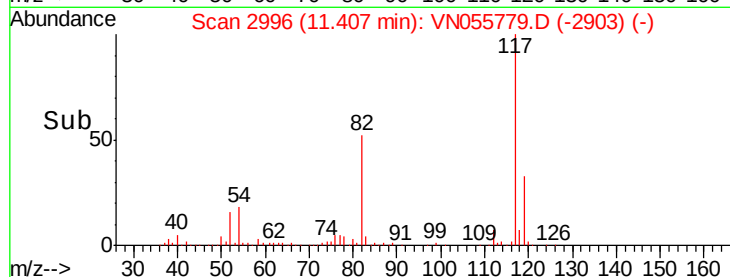
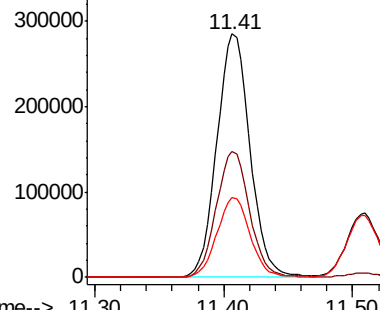
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 511836
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.6 25.4 38.0

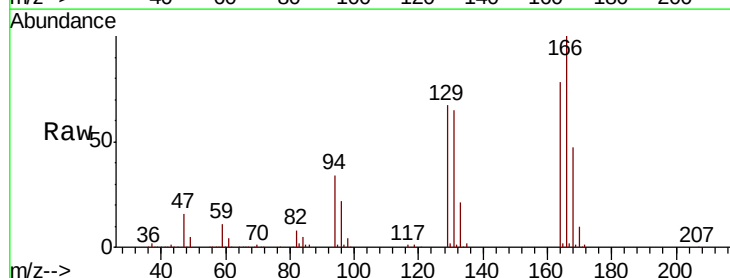


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

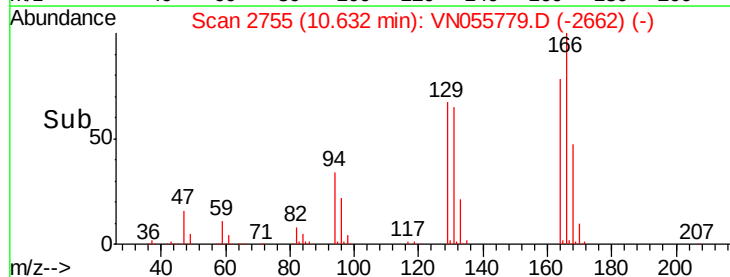
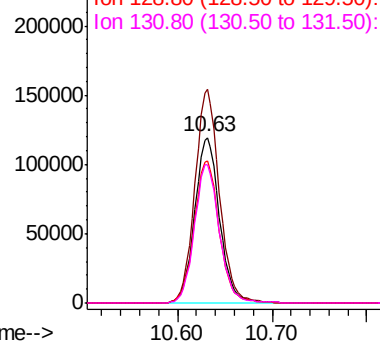


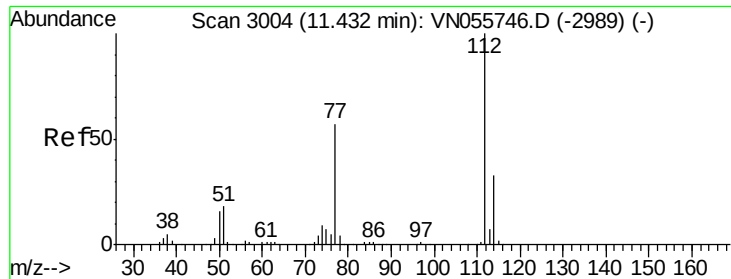
#64
Tetrachloroethene
Concen: 50.389 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion:164 Resp: 217525
Ion Ratio Lower Upper
164 100
166 129.0 103.0 154.6
129 86.2 70.6 105.8
131 83.7 68.6 102.8



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

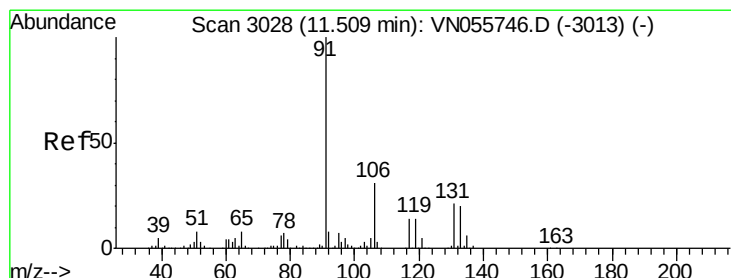
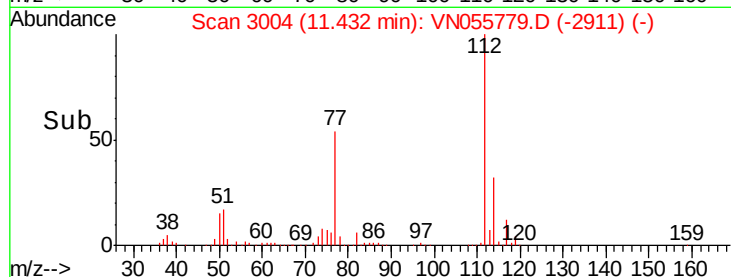
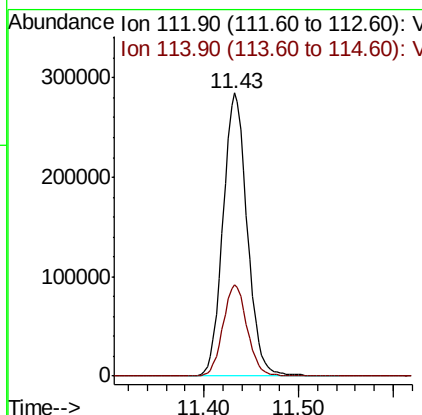
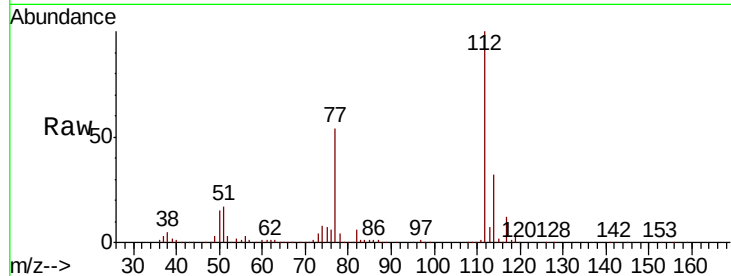




#65
Chlorobenzene
Concen: 49.361 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

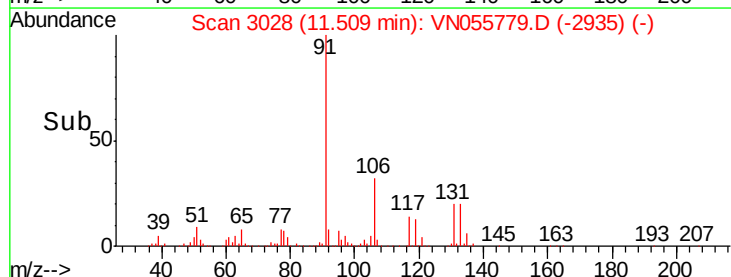
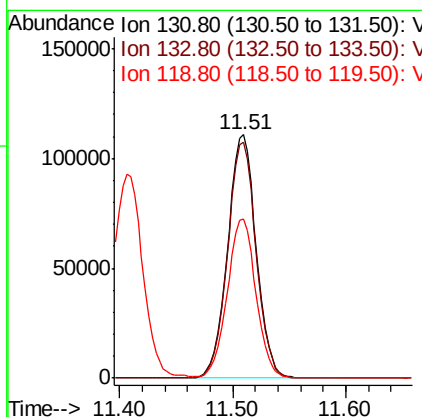
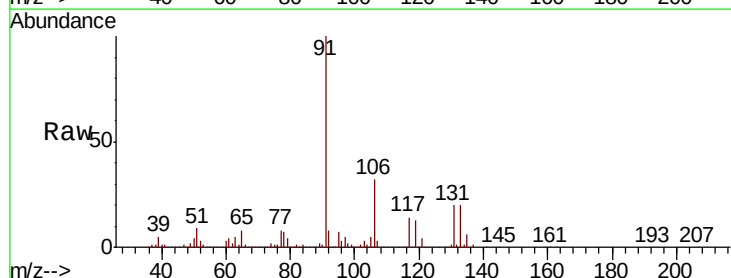
Instrument :
MSVOA_N
ClientSampled :

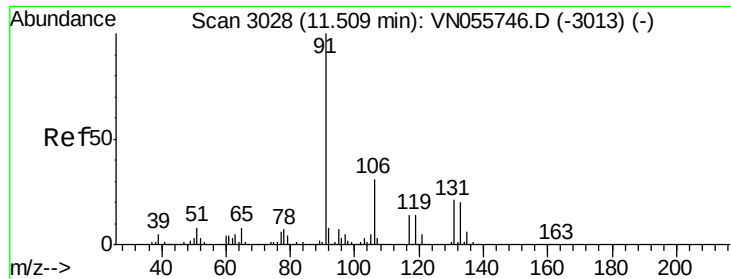
Tot Ion:112 Resp: 505773
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.542 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion:131 Resp: 194286
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 65.4 33.1 99.5

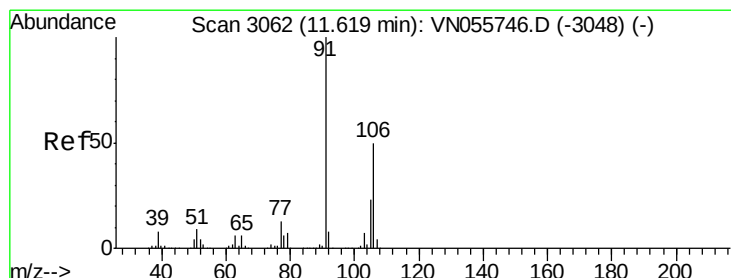
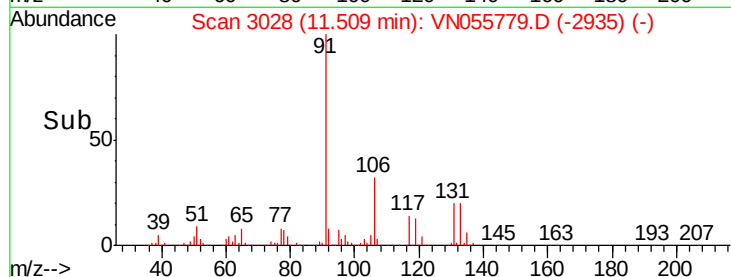
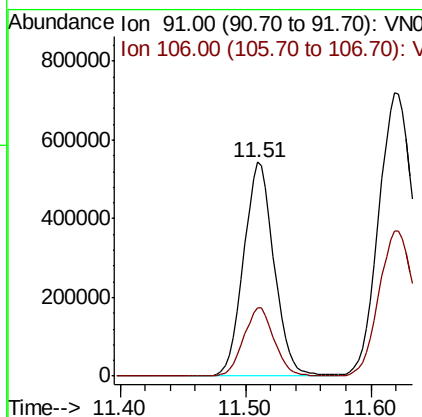
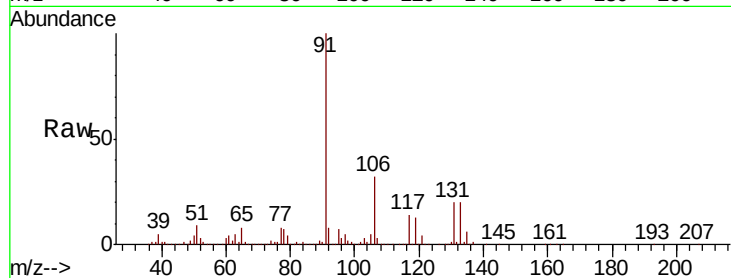




#67
Ethyl Benzene
Concen: 50.142 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

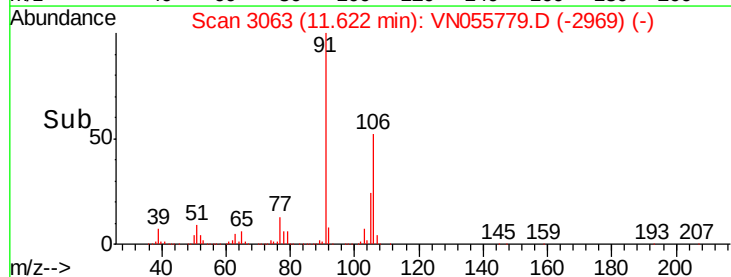
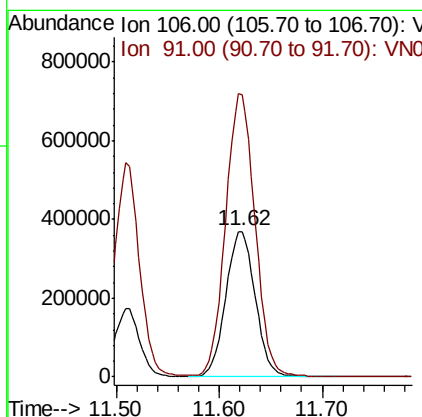
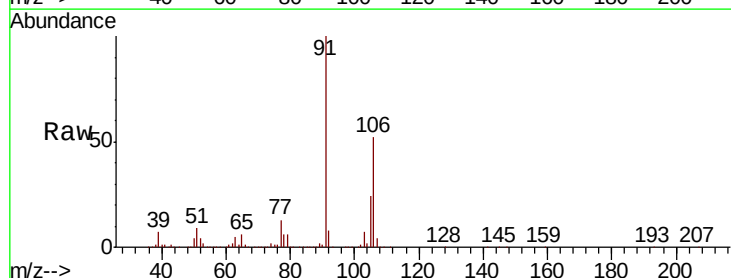
Instrument :
MSVOA_N
ClientSampled :

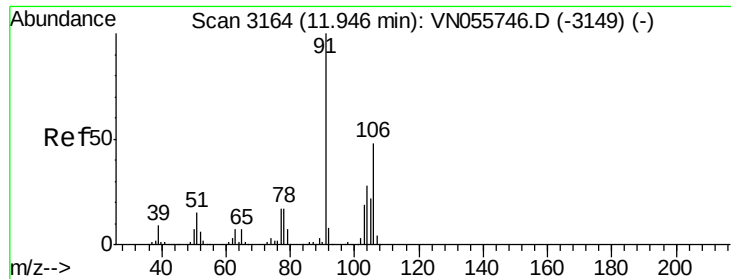
Tot Ion: 91 Resp: 921353
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 105.575 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 106 Resp: 733377
Ion Ratio Lower Upper
106 100
91 195.1 159.3 238.9

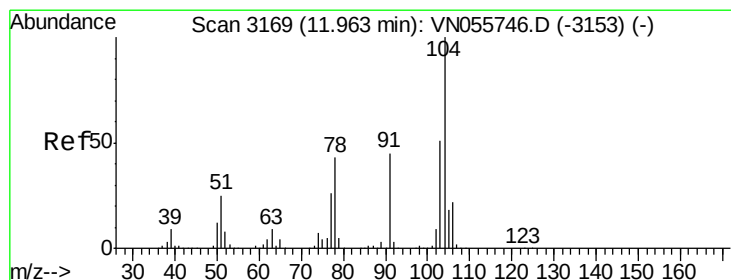
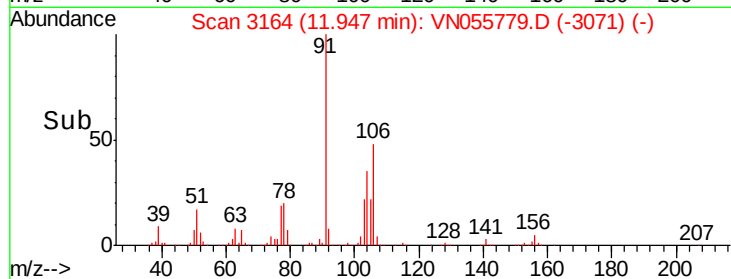
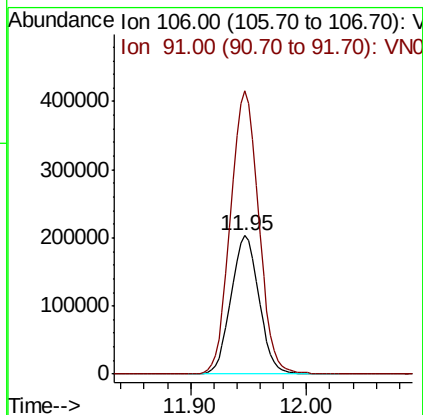
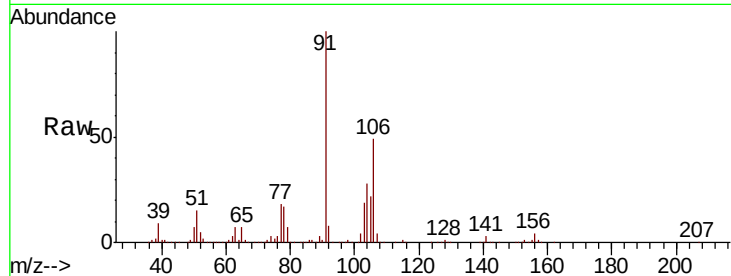




#69
o-Xylene
Concen: 49.025 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

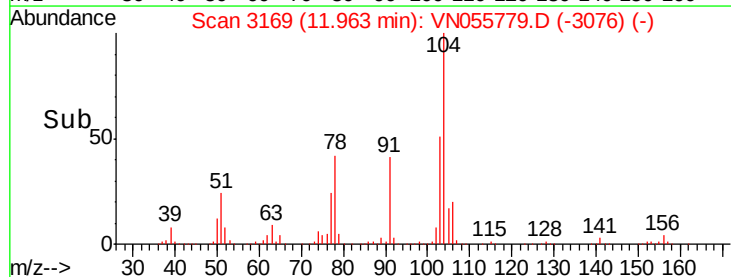
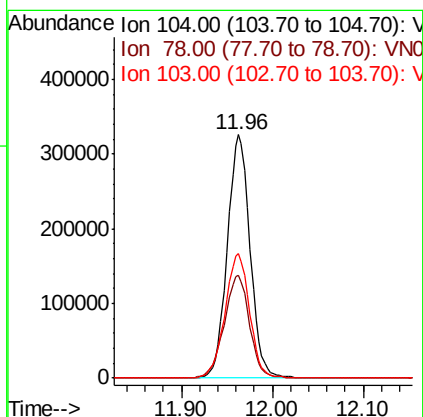
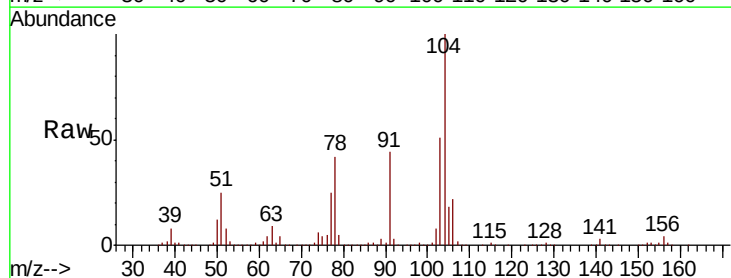
Instrument :
MSVOA_N
ClientSampled :

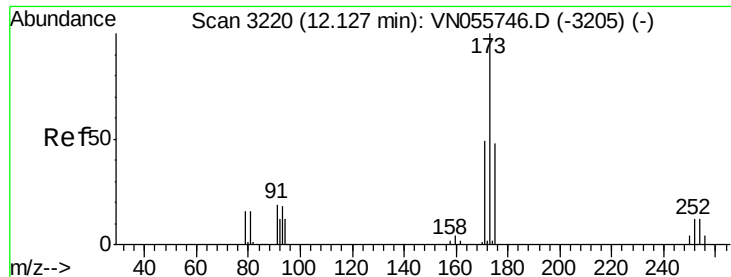
Tot Ion:106 Resp: 337874
Ion Ratio Lower Upper
106 100
91 206.3 104.7 314.1



#70
Styrene
Concen: 50.654 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion:104 Resp: 565336
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 55.2 44.2 66.2





#71

Bromoform

Concen: 50.619 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

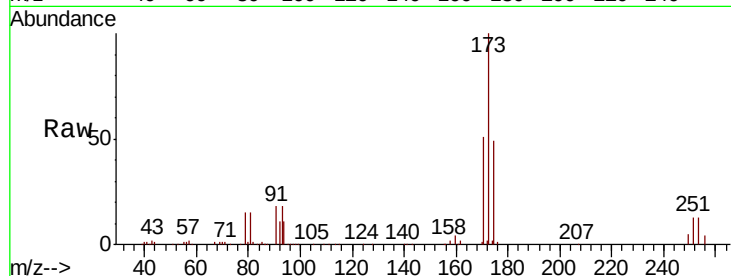
Tot Ion:173 Resp: 176444

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.8

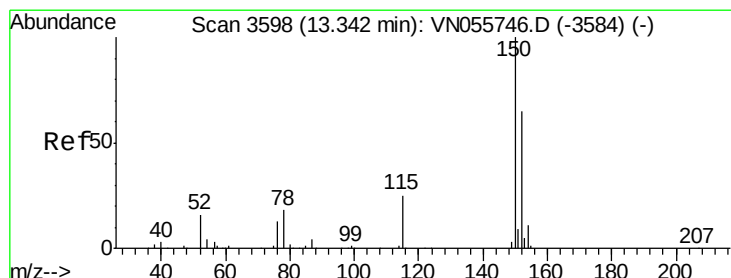
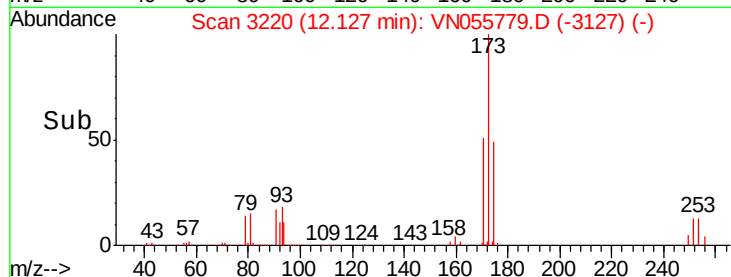
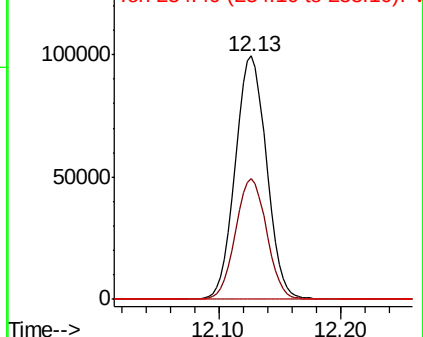
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

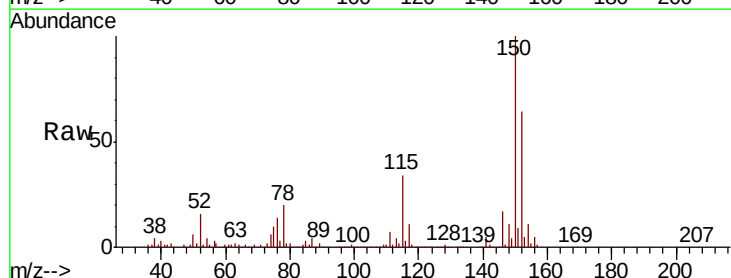
Tgt Ion:152 Resp: 255926

Ion Ratio Lower Upper

152 100

115 54.5 27.0 81.0

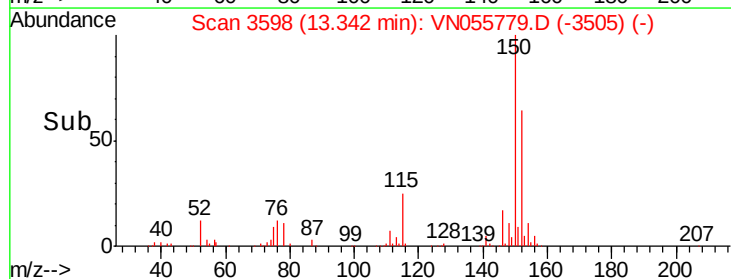
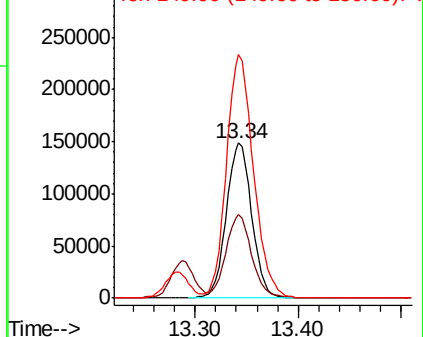
150 167.1 0.0 343.2

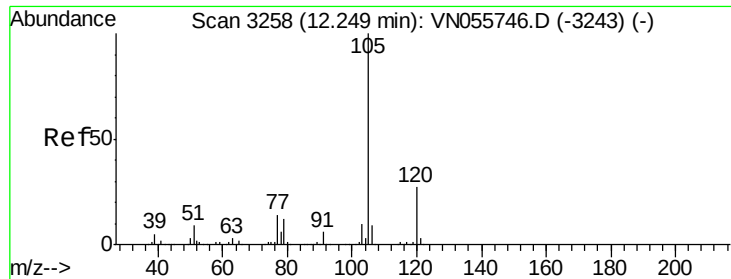


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

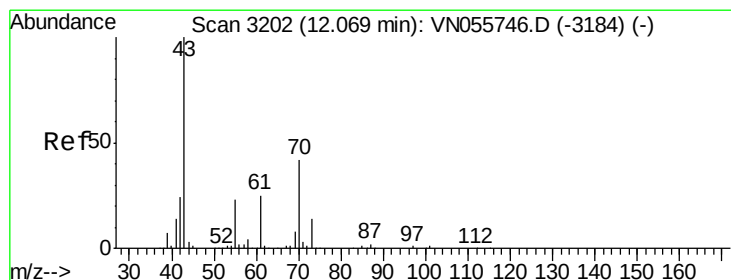
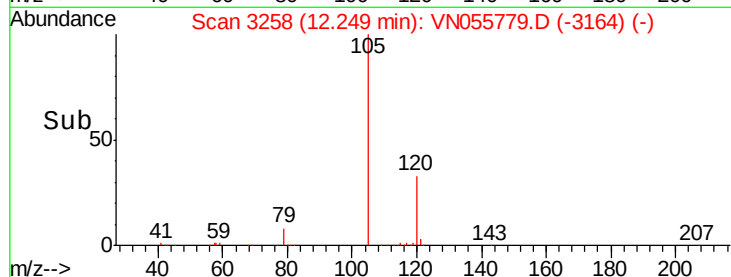
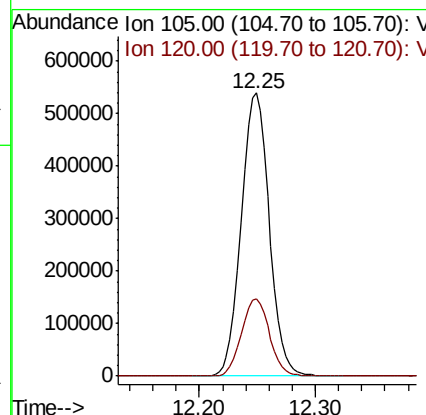
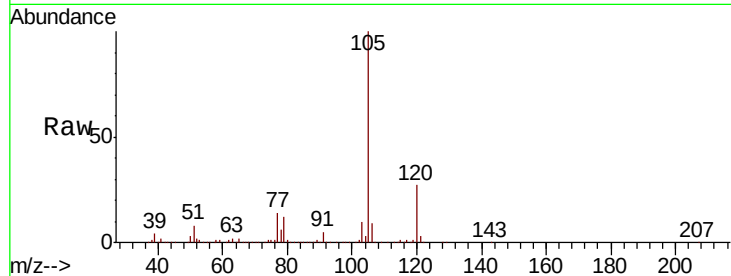




#73
Isopropylbenzene
Concen: 49.337 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

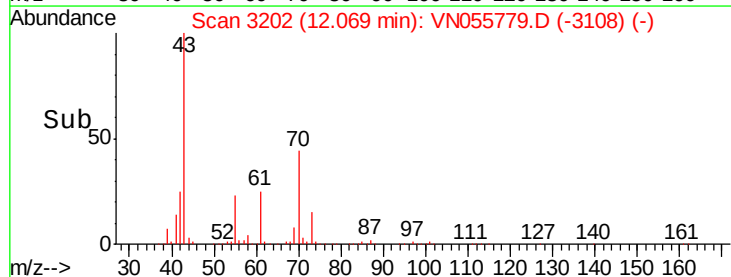
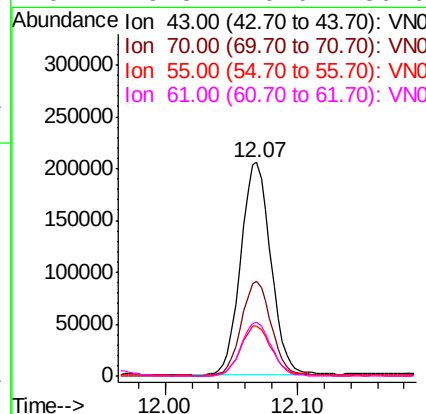
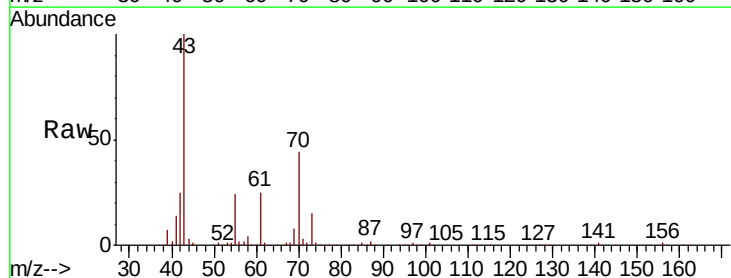
Instrument :
MSVOA_N
ClientSampleId :

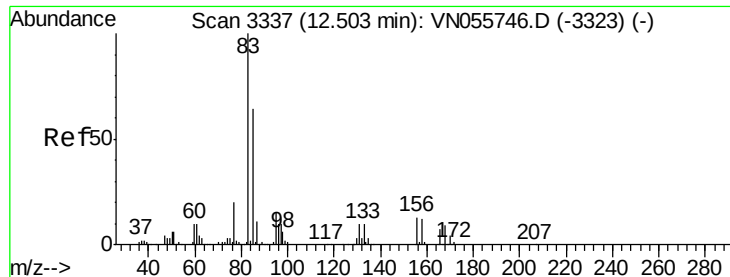
Tot Ion:105 Resp: 898814
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7



#74
N-ethyl acetate
Concen: 46.928 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 43 Resp: 326194
Ion Ratio Lower Upper
43 100
70 43.8 34.0 51.0
55 23.9 18.6 28.0
61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.615 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

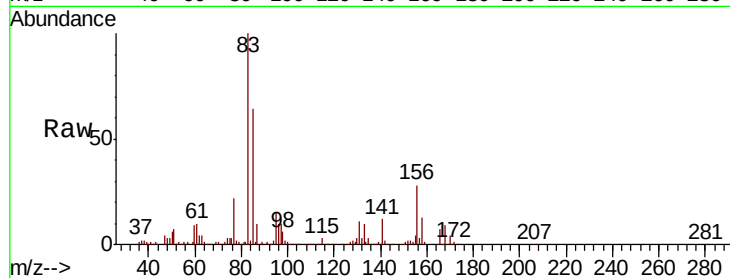
Tot Ion: 83 Resp: 257584

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

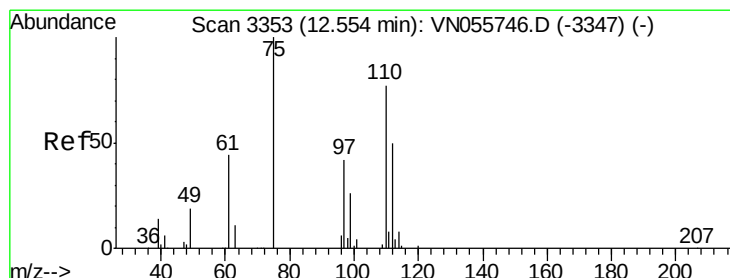
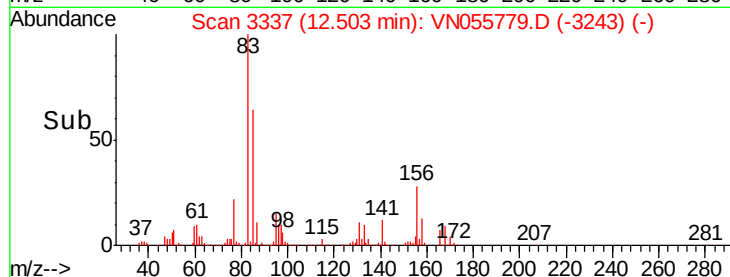
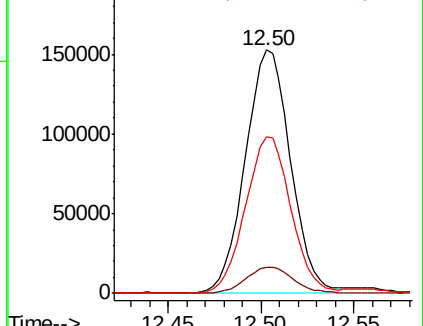
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.622 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055779.D

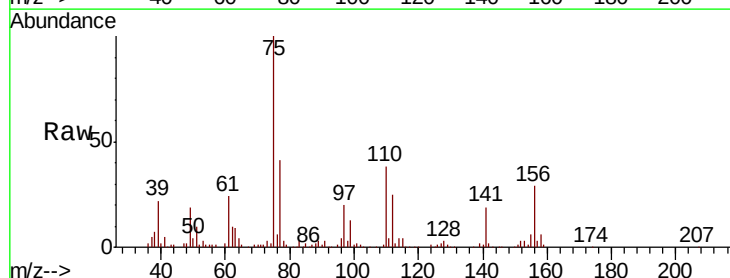
Acq: 24 May 2019 1:58

Tgt Ion: 75 Resp: 317879

Ion Ratio Lower Upper

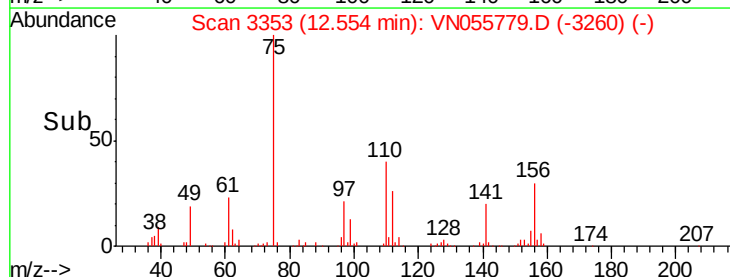
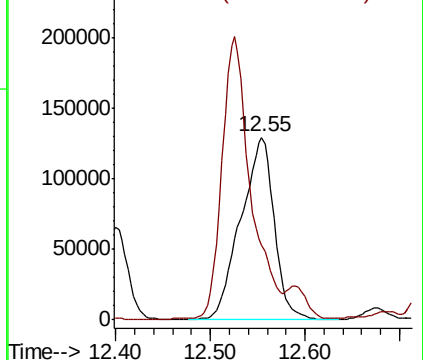
75 100

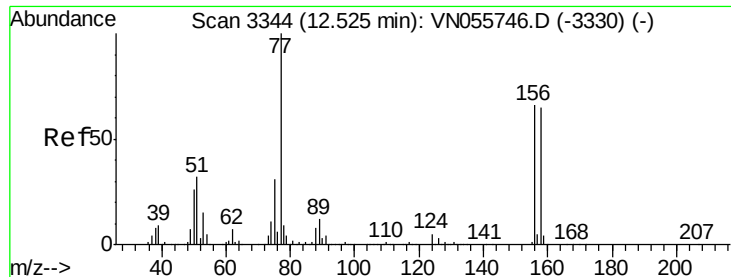
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 81.281 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

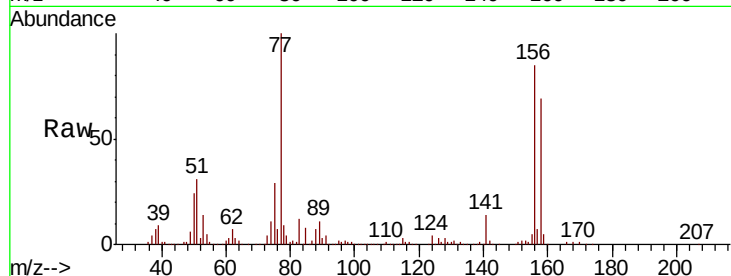
Tot Ion:156 Resp: 443891

Ion Ratio Lower Upper

156 100

77 96.3 90.8 272.5

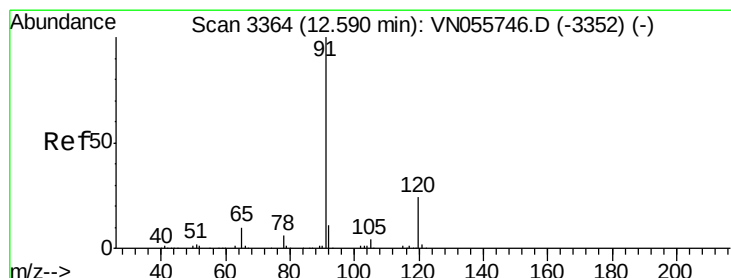
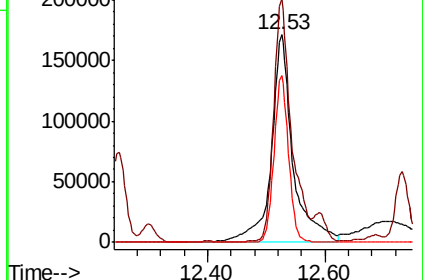
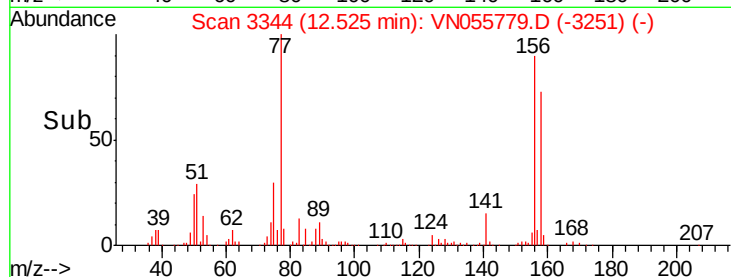
158 54.2 49.3 147.8



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: 43.844 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055779.D

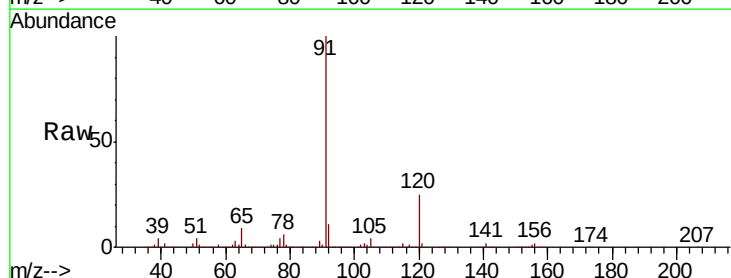
Acq: 24 May 2019 1:58

Tgt Ion: 91 Resp: 975236

Ion Ratio Lower Upper

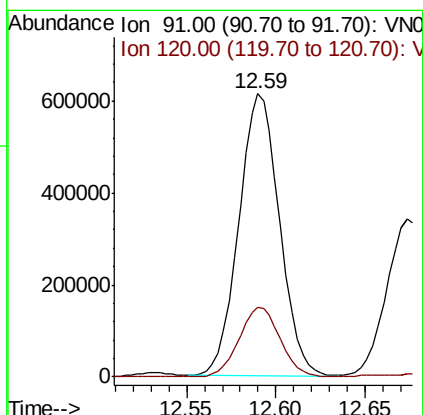
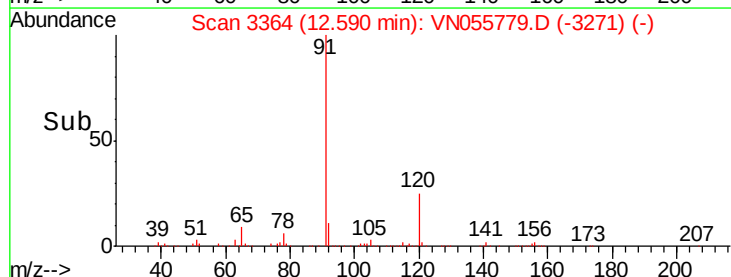
91 100

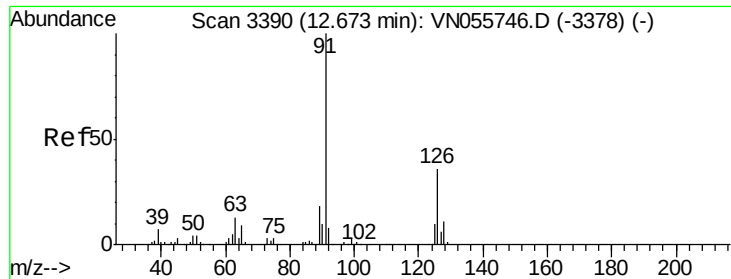
120 25.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.918 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

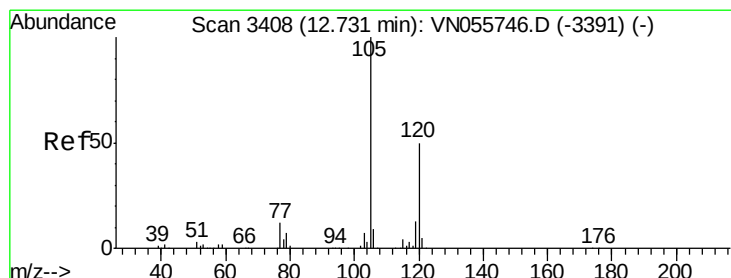
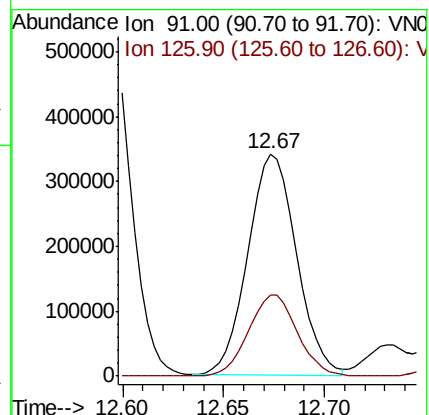
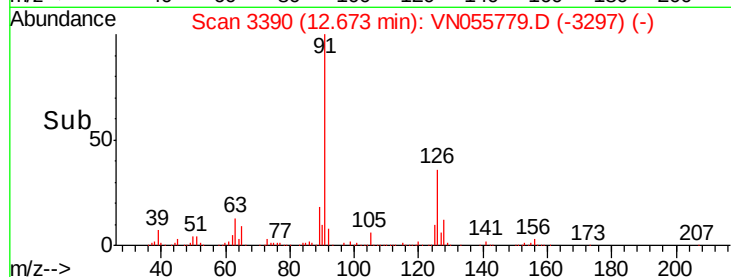
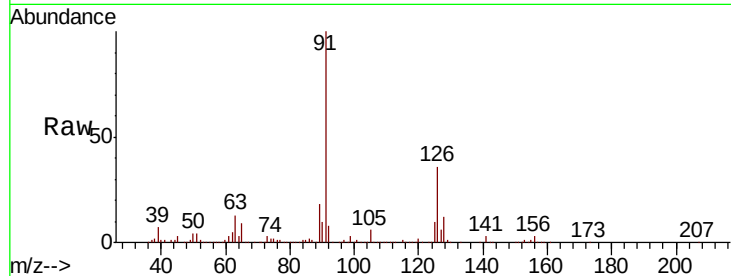
ClientSampleId :

Tot Ion: 91 Resp: 575395

Ion Ratio Lower Upper

91 100

126 37.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 50.376 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055779.D

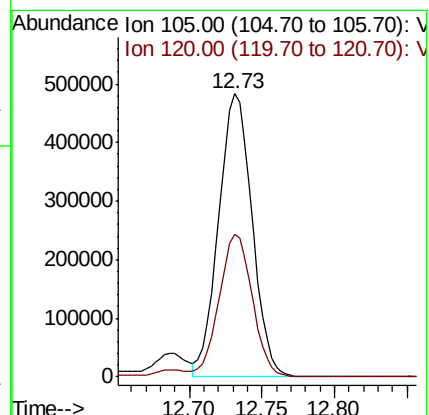
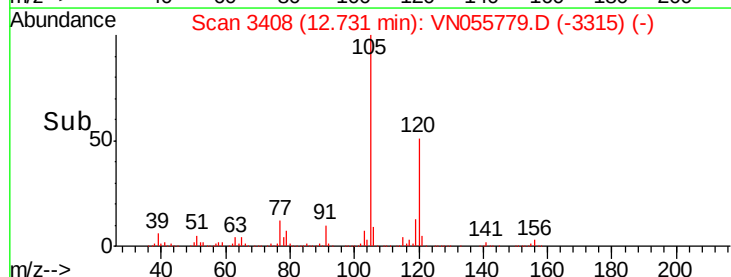
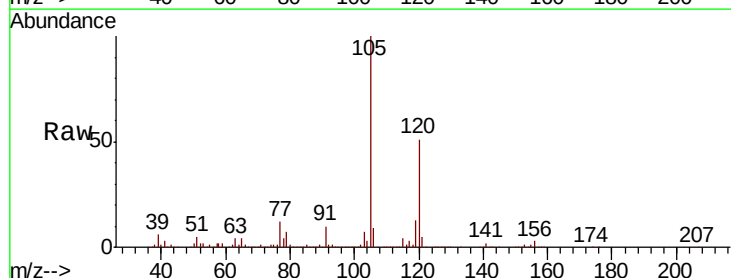
Acq: 24 May 2019 1:58

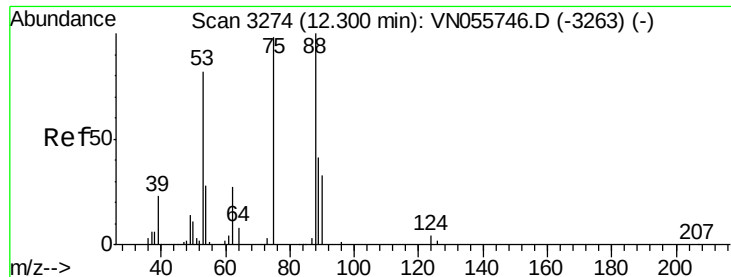
Tgt Ion: 105 Resp: 771655

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 39.147 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

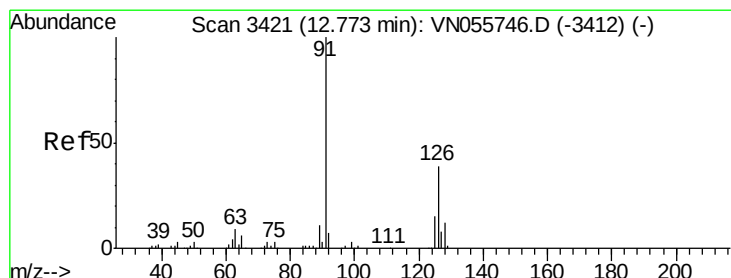
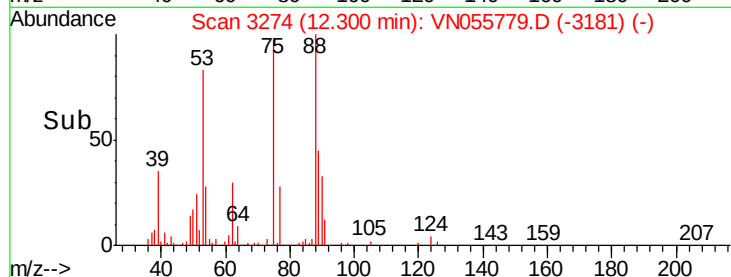
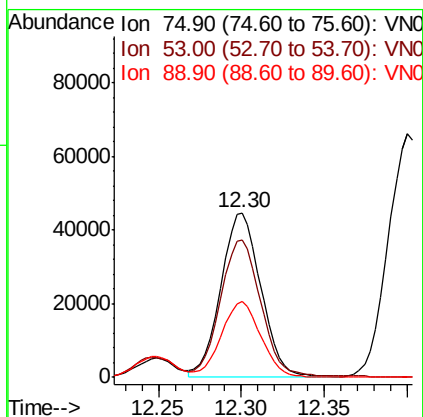
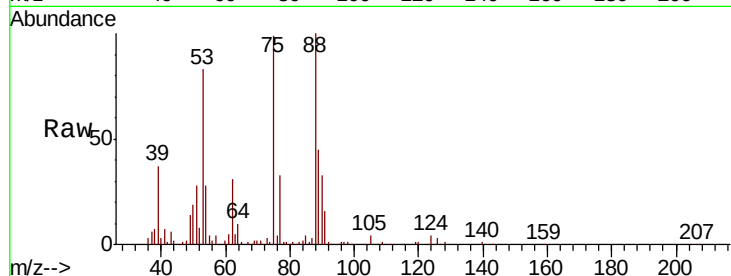
Tot Ion: 75 Resp: 74462

Ion Ratio Lower Upper

75 100

53 84.9 68.1 102.1

89 46.2 36.9 55.3



#82

4-Chlorotoluene

Concen: 43.364 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055779.D

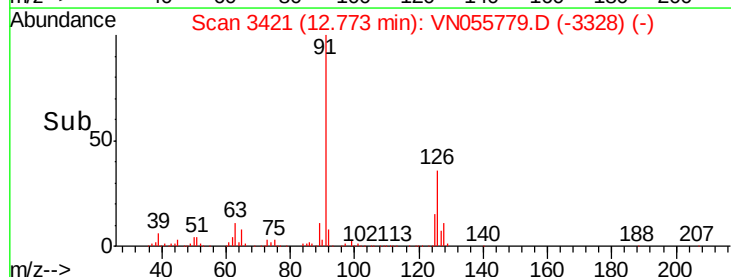
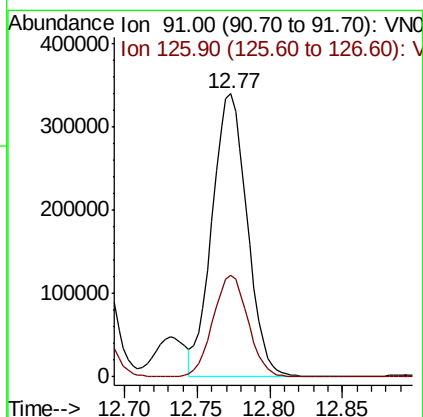
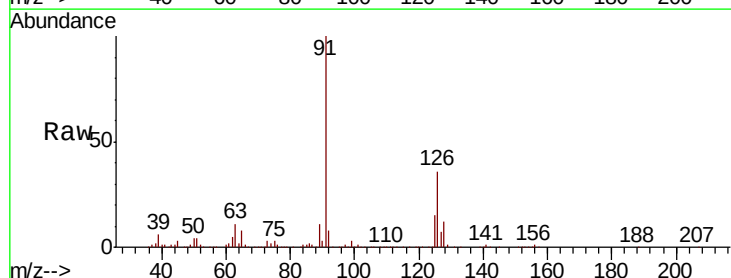
Acq: 24 May 2019 1:58

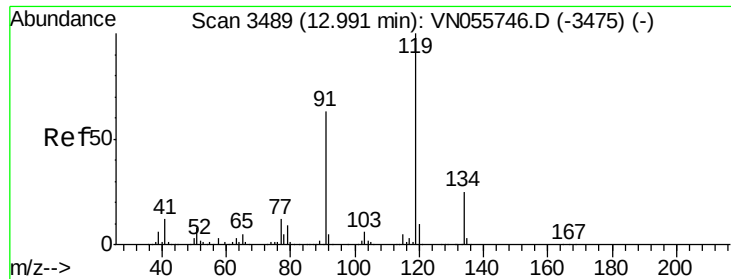
Tgt Ion: 91 Resp: 566993

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.3

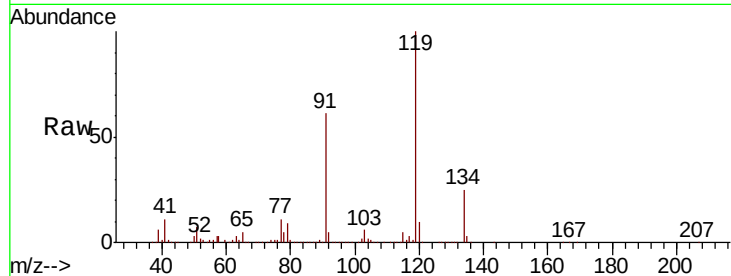




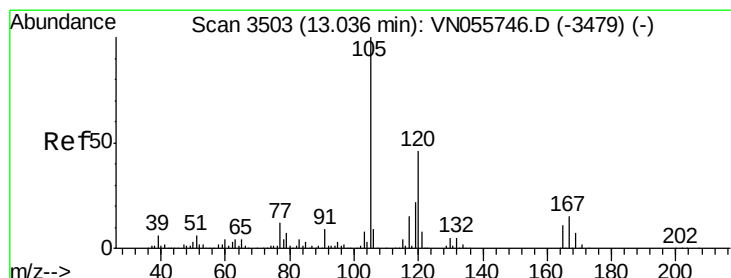
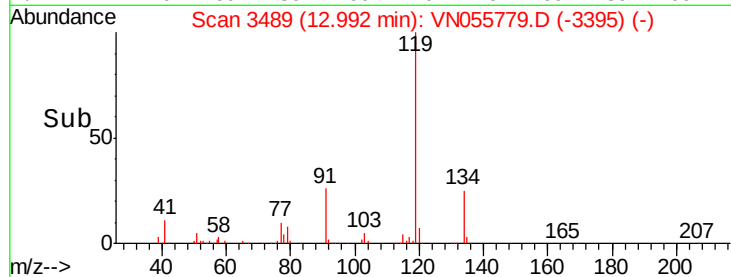
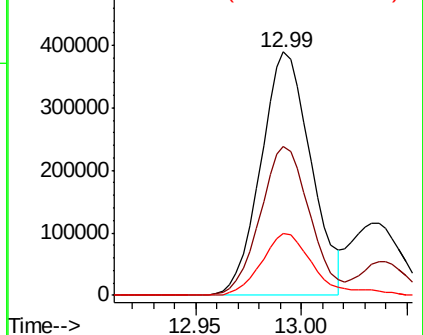
#83
tert-Butylbenzene
Concen: 48.557 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 644335
Ion Ratio Lower Upper
119 100
91 60.4 30.9 92.8
134 26.7 13.3 39.8

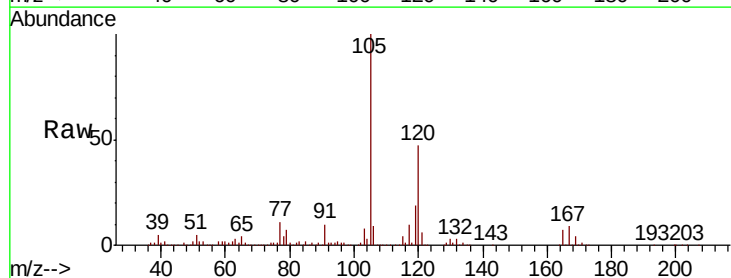


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

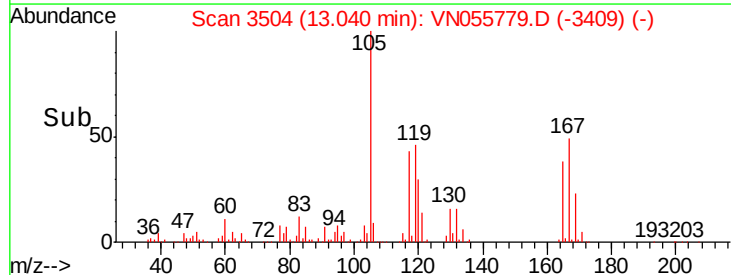
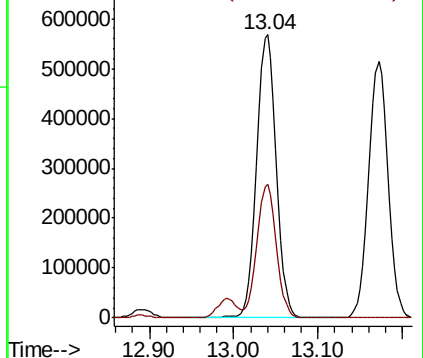


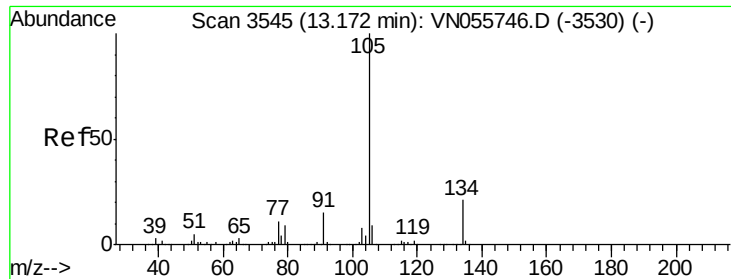
#84
1,2,4-Trimethylbenzene
Concen: 60.000 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion:105 Resp: 910753
Ion Ratio Lower Upper
105 100
120 46.6 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 47.472 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

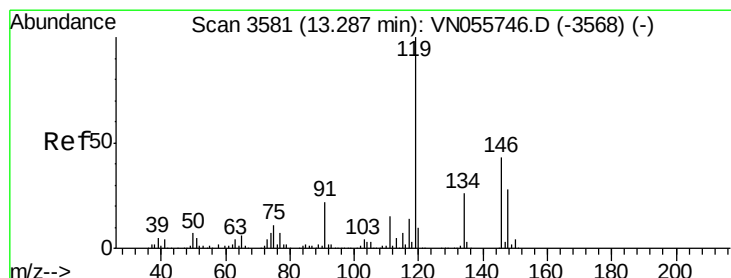
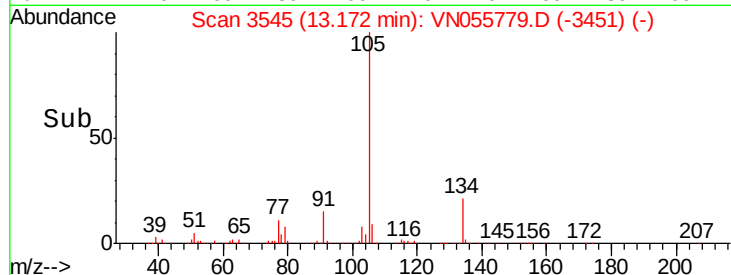
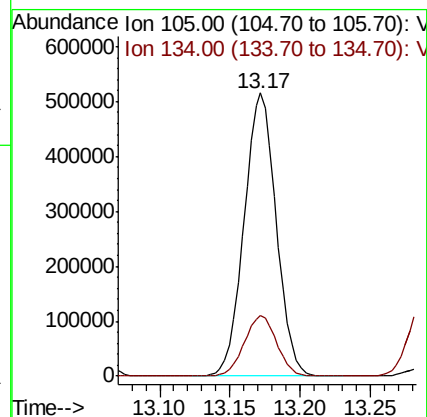
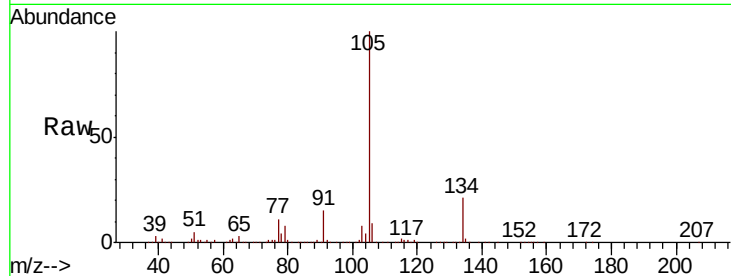
ClientSampleId :

Tot Ion:105 Resp: 819923

Ion Ratio Lower Upper

105 100

134 21.7 10.4 31.2



#86

p-Isopropyltoluene

Concen: 43.123 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

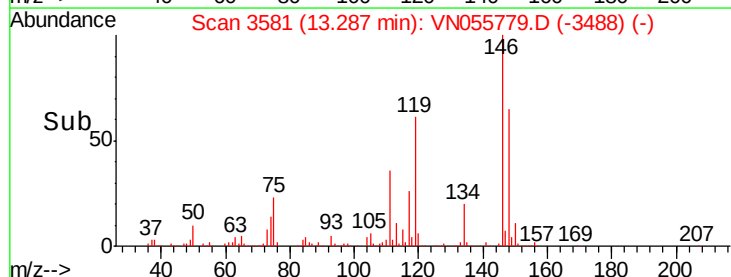
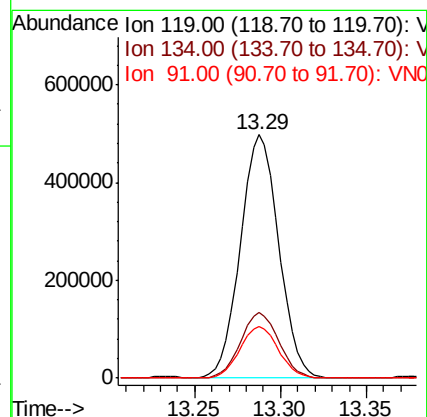
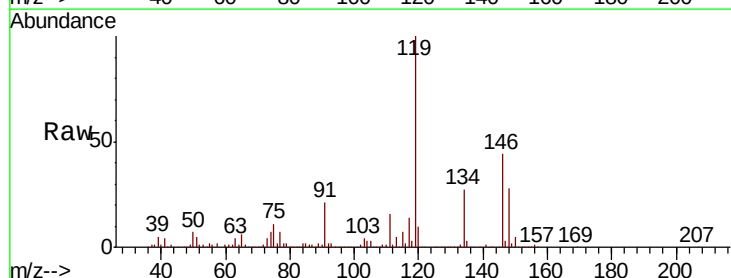
Tgt Ion:119 Resp: 766436

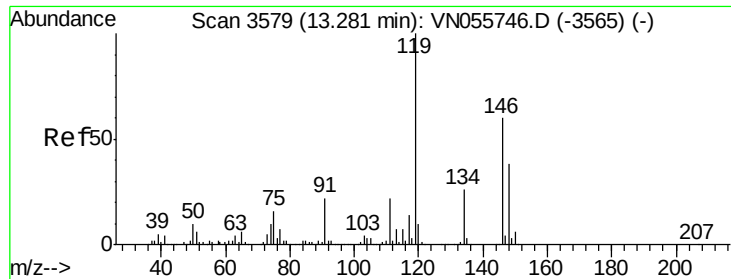
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.1 10.9 32.9

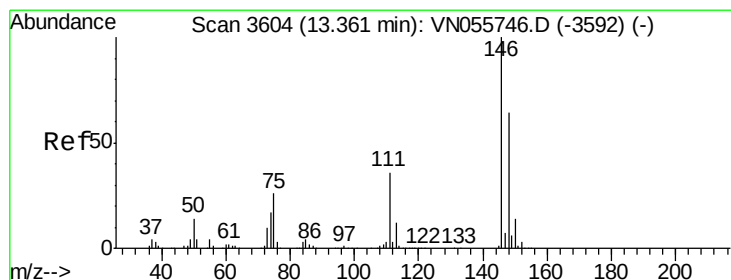
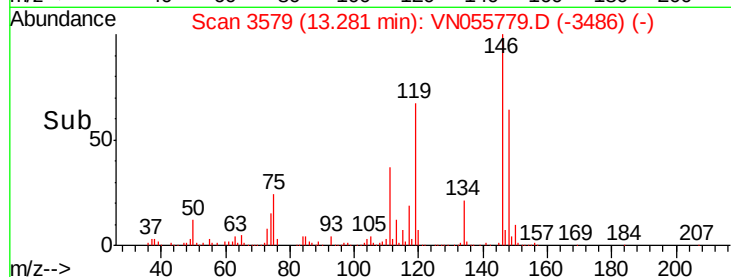
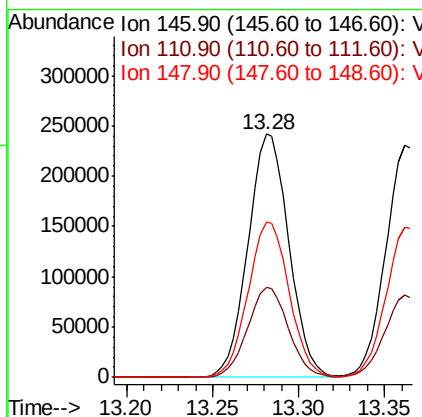
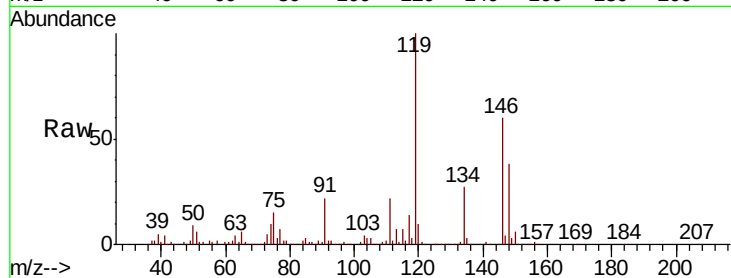




#87
 1,3-Dichlorobenzene
 Concen: 46.159 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

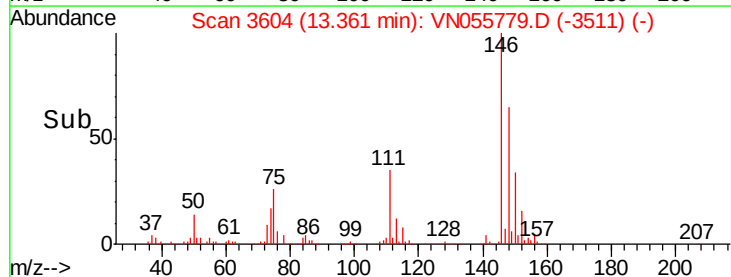
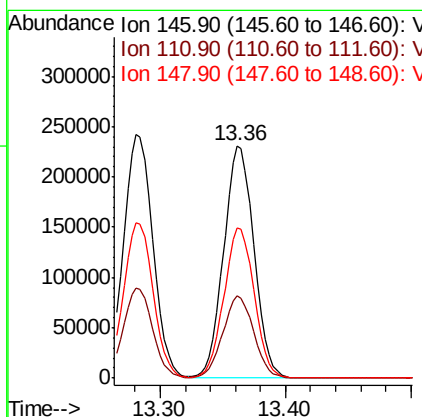
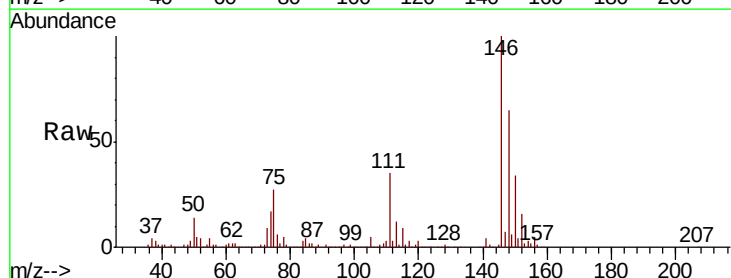
Instrument :
 MSVOA_N
 ClientSampled :

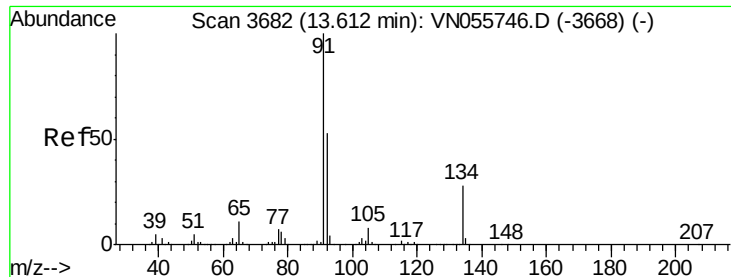
Tot Ion:146 Resp: 399160
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.5 55.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.043 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion:146 Resp: 386767
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 44.524 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

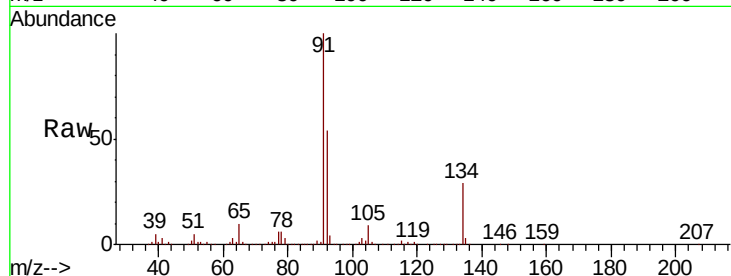
Tot Ion: 91 Resp: 606318

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

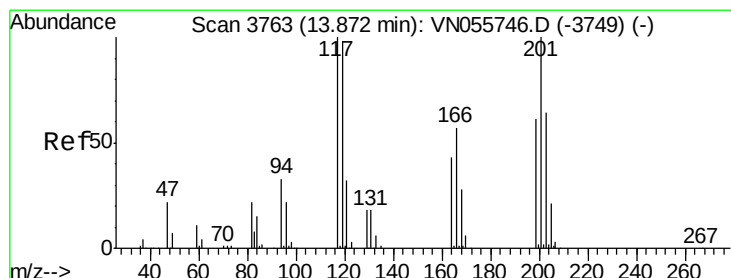
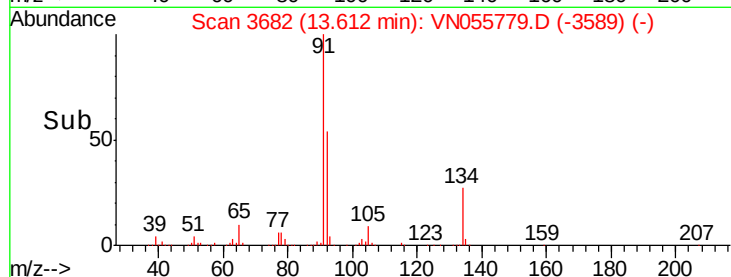
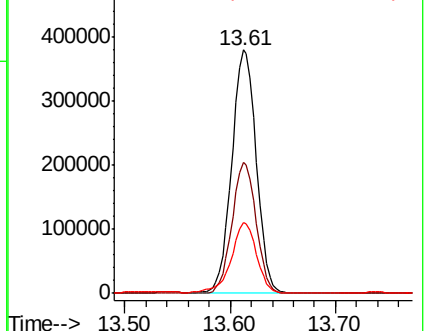
134 30.1 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055779.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055779.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055779.D (-3682) (-)



#90

Hexachloroethane

Concen: 41.991 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055779.D

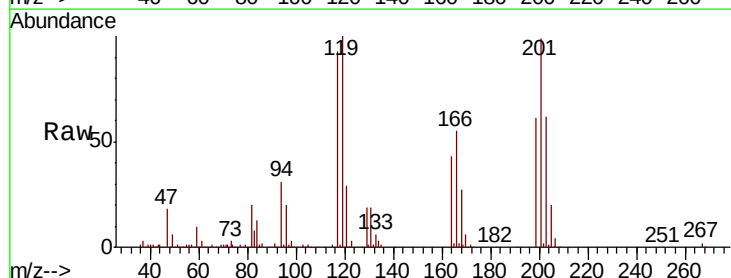
Acq: 24 May 2019 1:58

Tgt Ion: 117 Resp: 142052

Ion Ratio Lower Upper

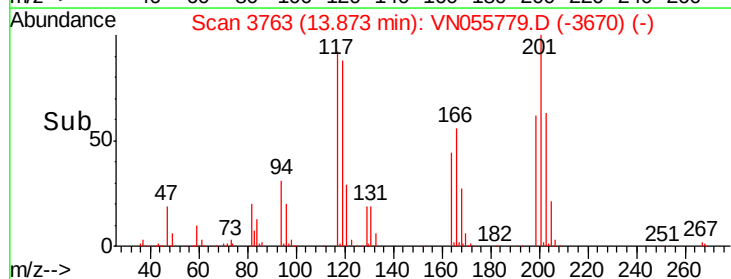
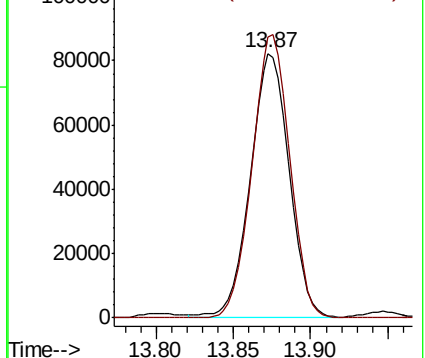
117 100

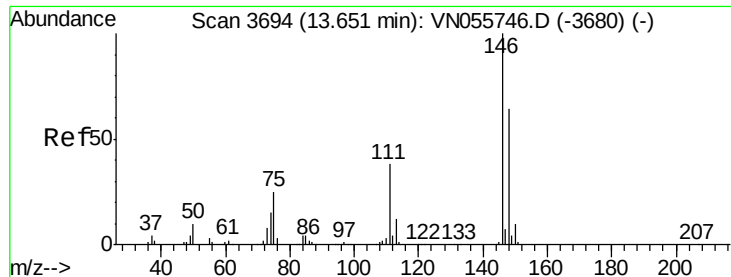
201 105.1 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055779.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055779.D (-3763) (-)

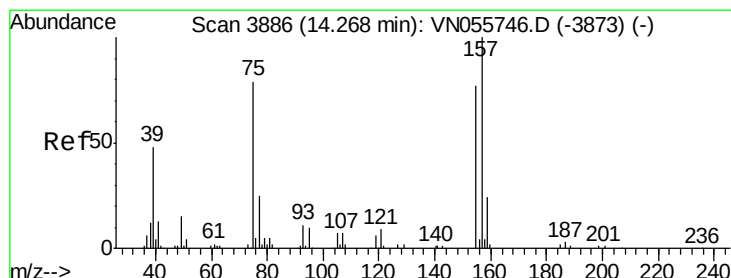
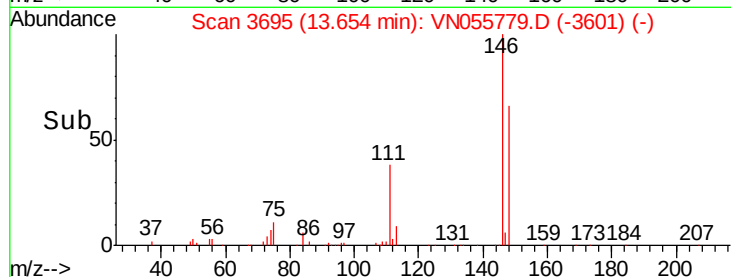
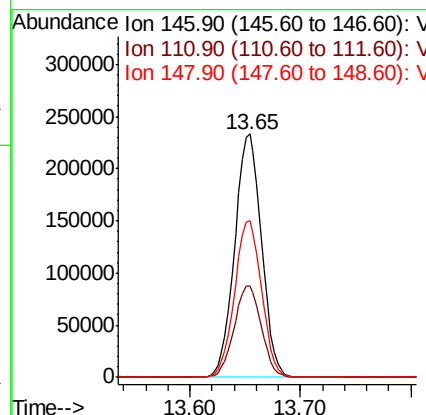
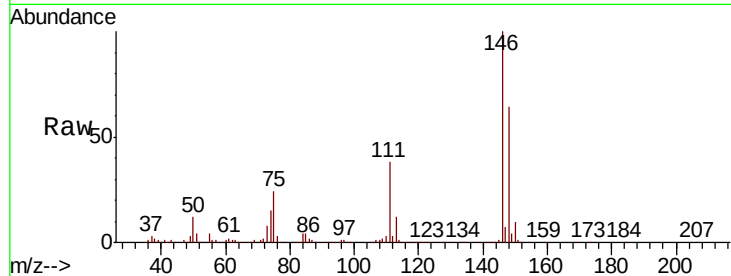




#91
 1,2-Dichlorobenzene
 Concen: 45.544 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

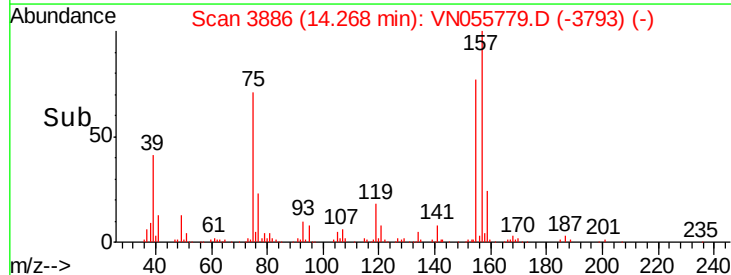
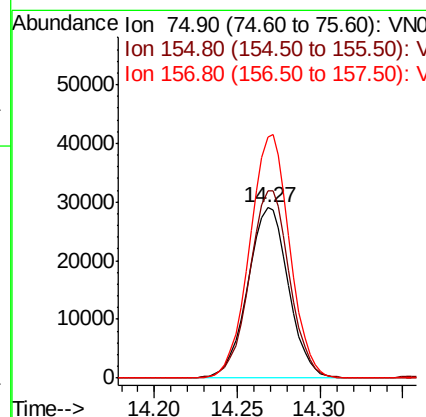
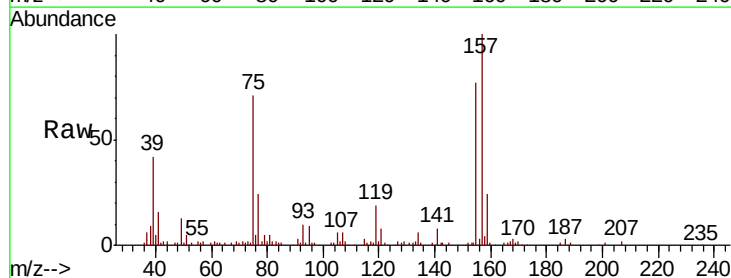
Instrument :
 MSVOA_N
 ClientSampleId :

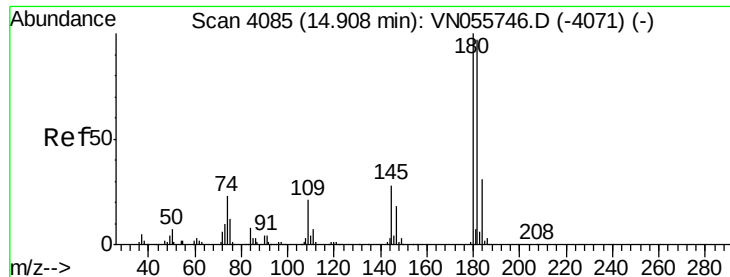
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	64.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.906 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.4	50.0	150.1
157	140.0	64.8	194.3

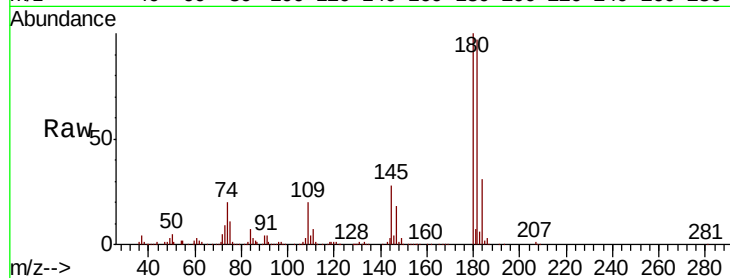




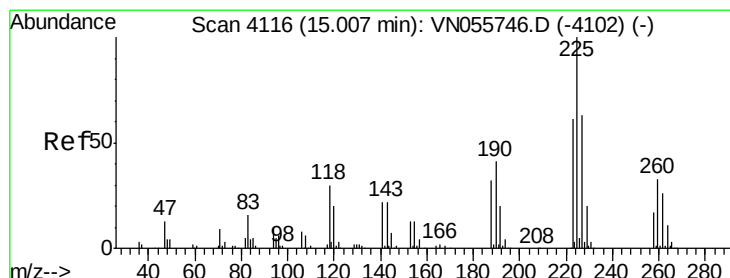
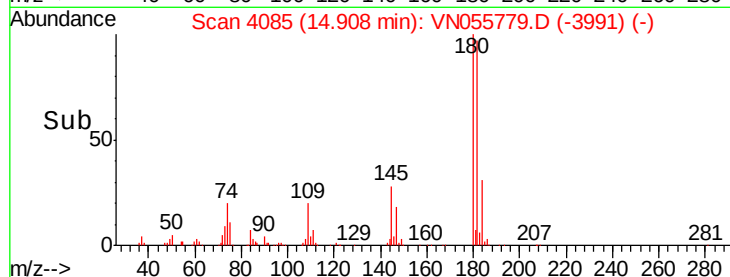
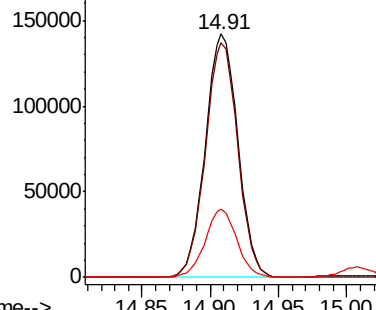
#93
 1,2,4-Trichlorobenzene
 Concen: 47.621 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	27.0	14.0	41.9

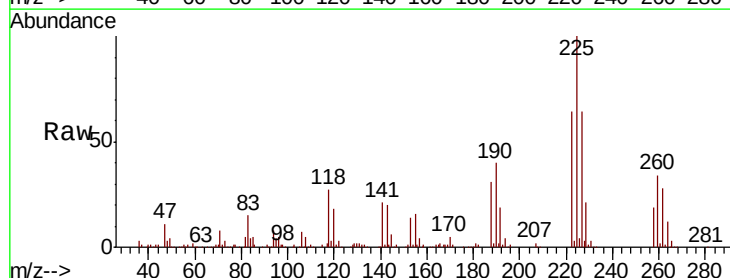


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

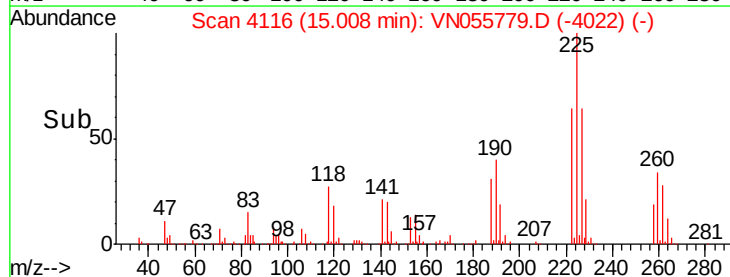
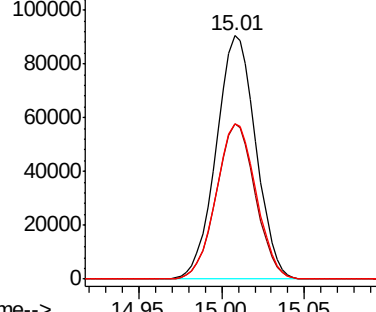


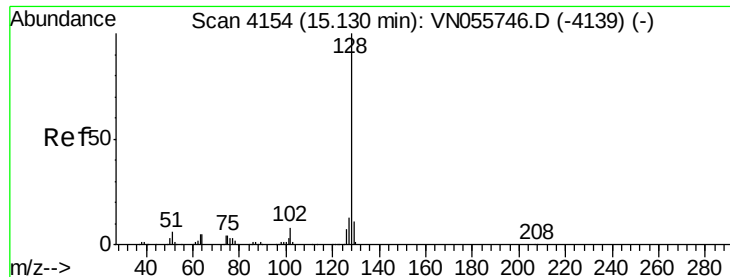
#94
 Hexachlorobutadiene
 Concen: 49.381 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.7
227	64.4	31.6	94.7



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: 62.633 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

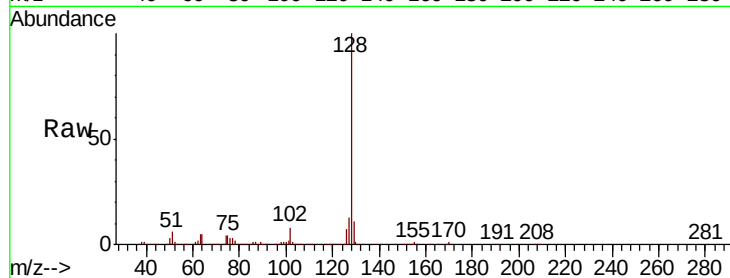
Tot Ion:128 Resp: 741502

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

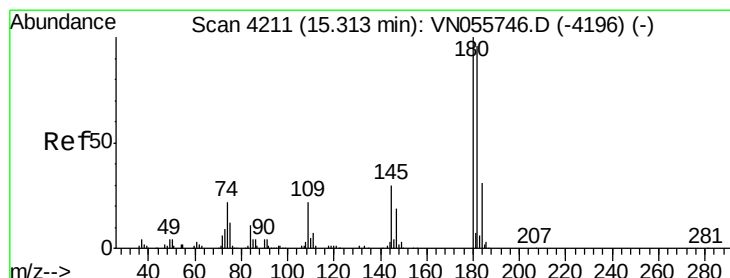
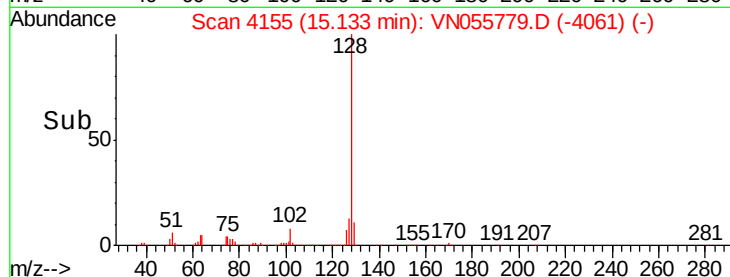
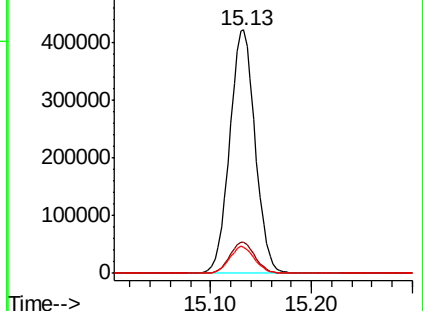
129 11.0 8.7 13.1



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: 53.109 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

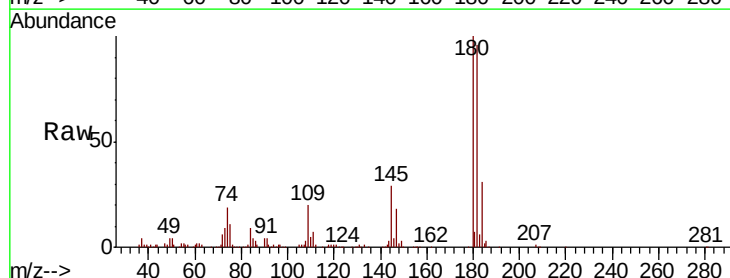
Tgt Ion:180 Resp: 242210

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 29.0 14.9 44.7



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

