

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061114.D
 Acq On : 20 Apr 2020 20:01
 Operator : JC/MD
 Sample : L2330-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

Quant Time: Apr 21 04:02:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	146765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	252159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	229279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103950	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	91121	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	7.56	113	71502	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.08	98	256806	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
62) 4-Bromofluorobenzene	12.40	95	99611	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	90810	46.836	ug/l	100
3) Chloromethane	2.04	50	123849	47.579	ug/l	99
4) Vinyl Chloride	2.17	62	101353	46.854	ug/l	98
5) Bromomethane	2.55	94	51570	47.539	ug/l	96
6) Chloroethane	2.69	64	61887	49.596	ug/l	98
7) Trichlorofluoromethane	3.00	101	134097	49.794	ug/l	99
8) Diethyl Ether	3.38	74	51972	48.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74429	47.106	ug/l	99
10) Methyl Iodide	3.93	142	66806	47.928	ug/l	99
11) Tert butyl alcohol	4.72	59	64231	192.791	ug/l	100
12) 1,1-Dichloroethene	3.72	96	76769	47.799	ug/l	99
13) Acrolein	3.57	56	61961	220.262	ug/l	97
14) Allyl chloride	4.29	41	133673	43.988	ug/l	95
15) Acrylonitrile	4.94	53	216746	239.940	ug/l	100
16) Acetone	3.78	43	177016	214.176	ug/l	99
17) Carbon Disulfide	4.03	76	235781	46.915	ug/l	99
18) Methyl Acetate	4.28	43	118436	45.698	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	266857	47.652	ug/l	99
20) Methylene Chloride	4.52	84	87206	48.326	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	83207	48.438	ug/l	97
22) Diisopropyl ether	5.91	45	309436	49.029	ug/l	97
23) Vinyl Acetate	5.86	43	1123807	227.071	ug/l	100
24) 1,1-Dichloroethane	5.82	63	165701	48.611	ug/l	99
25) 2-Butanone	6.80	43	286662	226.342	ug/l	100
26) 2,2-Dichloropropane	6.79	77	123570	43.538	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	95049	48.195	ug/l	99
28) Bromochloromethane	7.17	49	77890	49.780	ug/l	98
29) Tetrahydrofuran	7.18	42	199300	231.795	ug/l	100
30) Chloroform	7.35	83	160148	50.370	ug/l	97
31) Cyclohexane	7.63	56	149221	42.661	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	136578	49.663	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122174	46.953	ug/l	99
37) Ethyl Acetate	6.89	43	122030	43.190	ug/l	99
38) Carbon Tetrachloride	7.75	117	108667	50.172	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	128128	41.187	ug/l	99
40) Benzene	8.02	78	367087	47.554	ug/l	99
41) Methacrylonitrile	7.18	41	180892	153.496	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	126715	48.187	ug/l	100
43) Isopropyl Acetate	8.14	43	208666	45.410	ug/l	99
44) Trichloroethene	8.82	130	91330	47.085	ug/l	96
45) 1,2-Dichloropropane	9.10	63	98435	47.210	ug/l	99
46) Dibromomethane	9.19	93	60135	50.023	ug/l	98
47) Bromodichloromethane	9.38	83	124237	48.920	ug/l	99
48) Methyl methacrylate	9.18	41	96608	47.573	ug/l	98
49) 1,4-Dioxane	9.18	88	20018	713.925	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	625934	236.293	ug/l	99
52) Toluene	10.14	92	218638	47.212	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	140053	47.477	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	148560	46.156	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	85466	48.768	ug/l	98
56) Ethyl methacrylate	10.42	69	133192	48.332	ug/l	99
57) 1,3-Dichloropropane	10.70	76	148476	47.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.82	63	793	0.633	ug/l #	51
59) 2-Hexanone	10.74	43	448257	234.643	ug/l	100
60) Dibromochloromethane	10.89	129	90446	50.240	ug/l	99
61) 1,2-Dibromoethane	10.99	107	86968	48.700	ug/l	98
64) Tetrachloroethene	10.62	164	79991	45.593	ug/l	98
65) Chlorobenzene	11.43	112	221664	46.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	81582	48.177	ug/l	100
67) Ethyl Benzene	11.50	91	411887	46.262	ug/l	99
68) m/p-Xylenes	11.61	106	301422	93.678	ug/l	100
69) o-Xylene	11.94	106	144035	46.558	ug/l	99
70) Styrene	11.96	104	239258	48.039	ug/l	100
71) Bromoform	12.12	173	62761	49.653	ug/l #	99
73) Isopropylbenzene	12.24	105	379904	45.618	ug/l	100
74) N-amyl acetate	12.06	43	176230	45.505	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	123148	48.442	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	164365	71.886	ug/l #	100
77) Bromobenzene	12.52	156	92540	47.592	ug/l	98
78) n-propylbenzene	12.59	91	444248	45.594	ug/l	99
79) 2-Chlorotoluene	12.67	91	263514	46.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	315966	45.901	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	40869	44.088	ug/l	99
82) 4-Chlorotoluene	12.77	91	268641	45.327	ug/l	99
83) tert-Butylbenzene	12.99	119	258195	44.601	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	316946	46.580	ug/l	100
85) sec-Butylbenzene	13.17	105	345886	44.097	ug/l	100
86) p-Isopropyltoluene	13.28	119	306676	43.907	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	157145	45.349	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	156308	44.837	ug/l	100
89) n-Butylbenzene	13.61	91	275606	42.432	ug/l	99
90) Hexachloroethane	13.87	117	46911	43.776	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	154316	46.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	23722	48.216	ug/l	98

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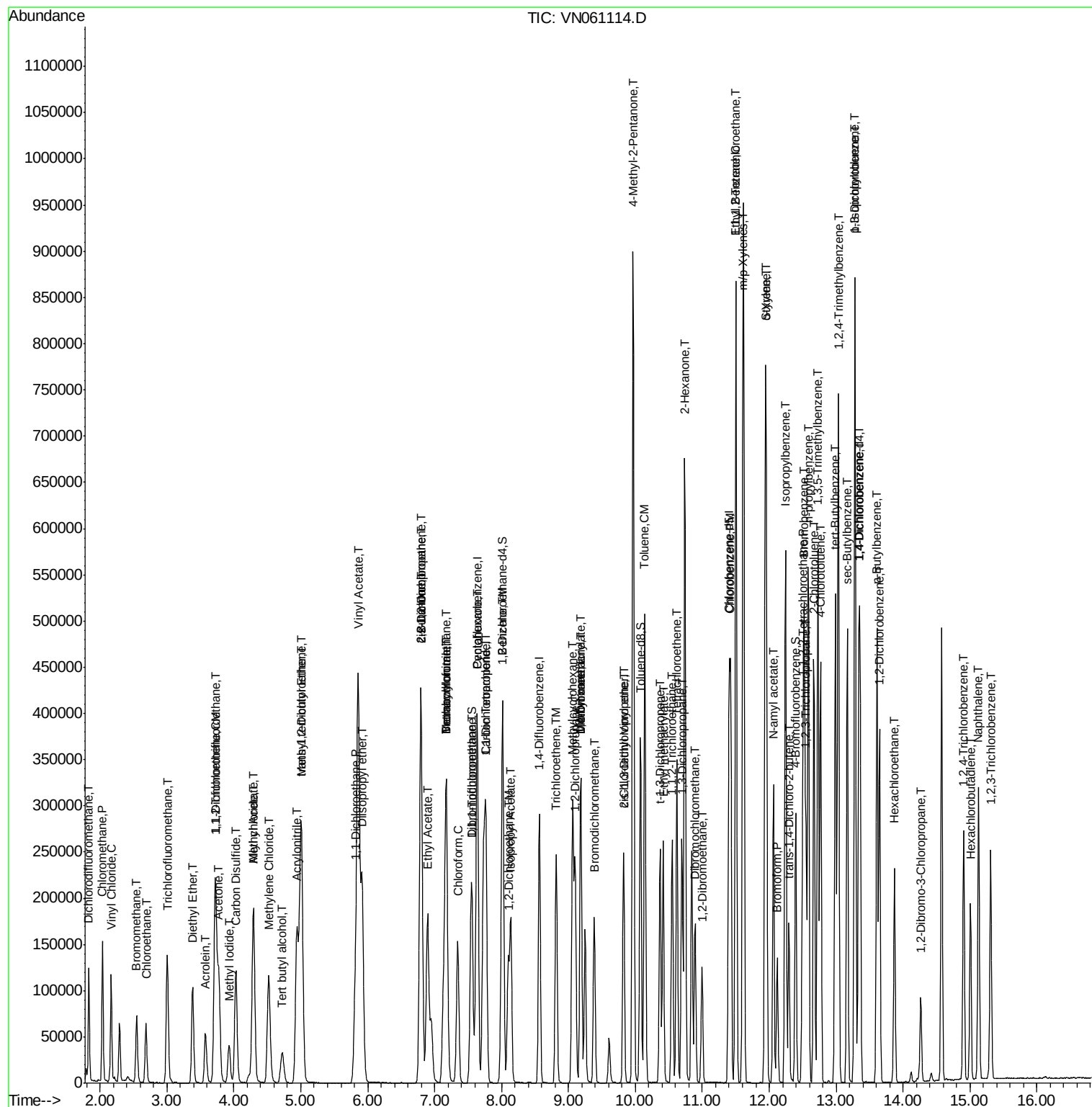
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	84394	43.112	ug/l	99
94) Hexachlorobutadiene	15.01	225	37080	36.821	ug/l	99
95) Naphthalene	15.13	128	264580	46.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	82350	43.653	ug/l	99

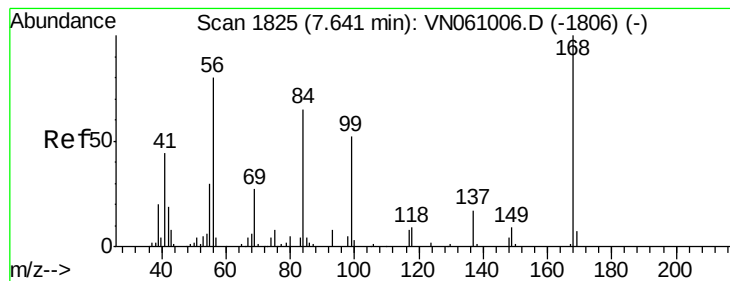
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042020\
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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

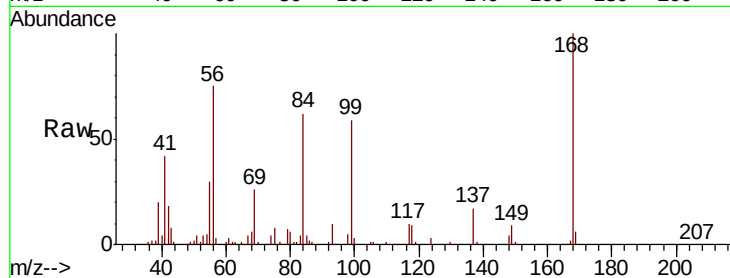
PA-TWP-2MS

Tot Ion:168 Resp: 146765

Ion Ratio Lower Upper

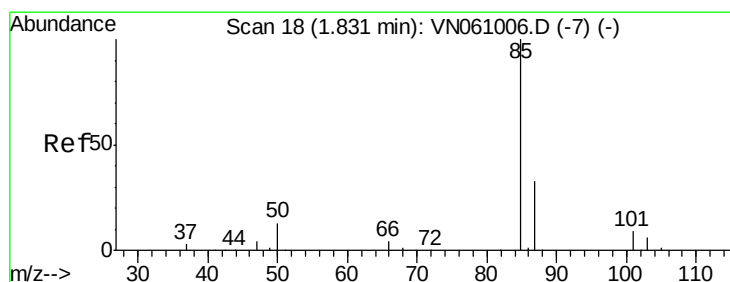
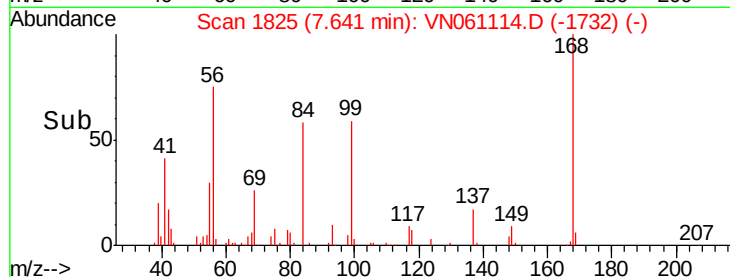
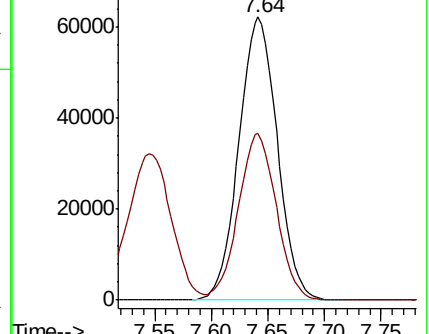
168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.836 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061114.D

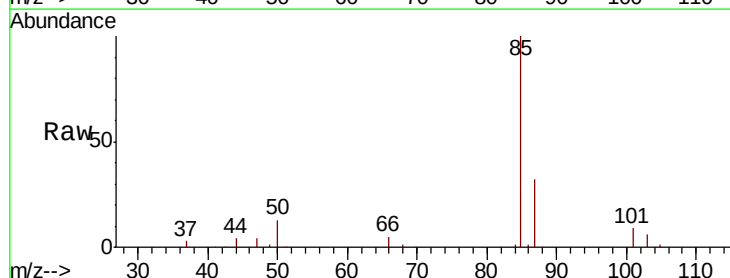
Acq: 20 Apr 2020 20:01

Tgt Ion: 85 Resp: 90810

Ion Ratio Lower Upper

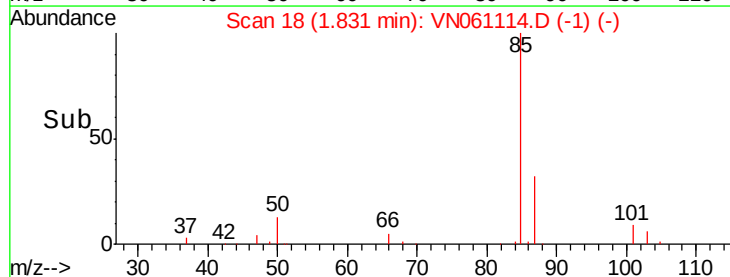
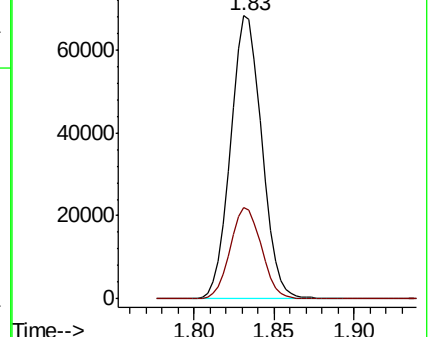
85 100

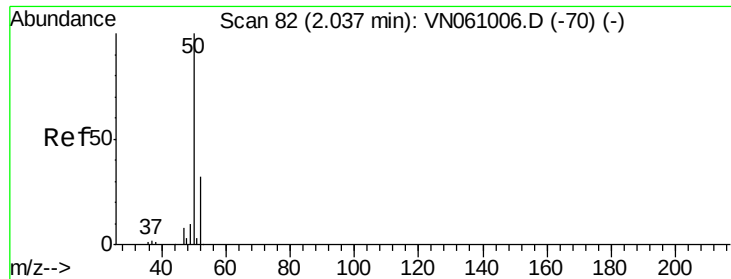
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.579 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

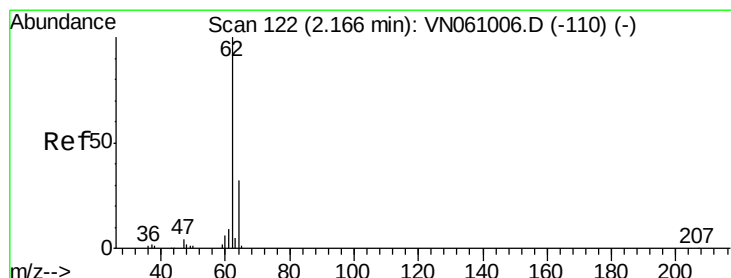
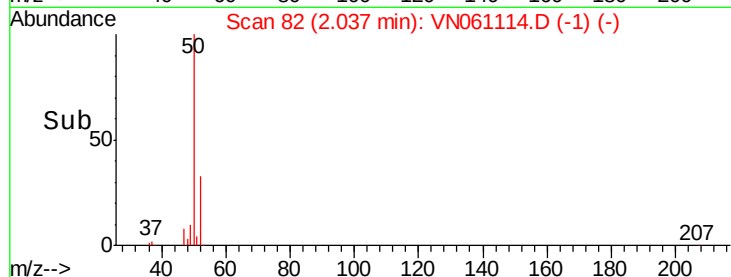
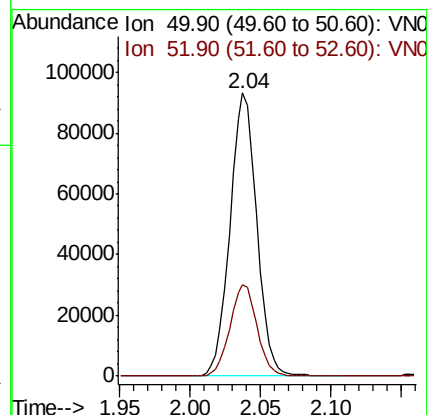
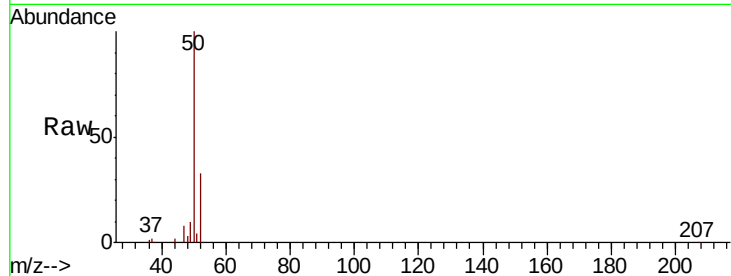
PA-TWP-2MS

Tot Ion: 50 Resp: 123849

Ion Ratio Lower Upper

50 100

52 32.5 25.6 38.4



#4

Vinyl Chloride

Concen: 46.854 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061114.D

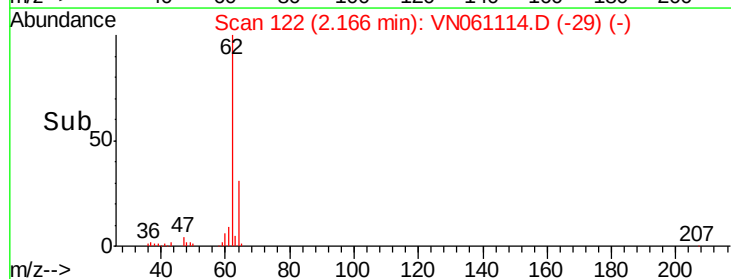
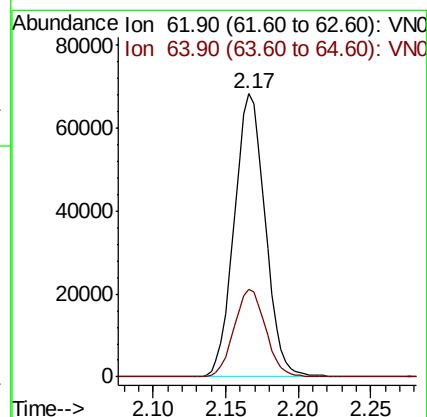
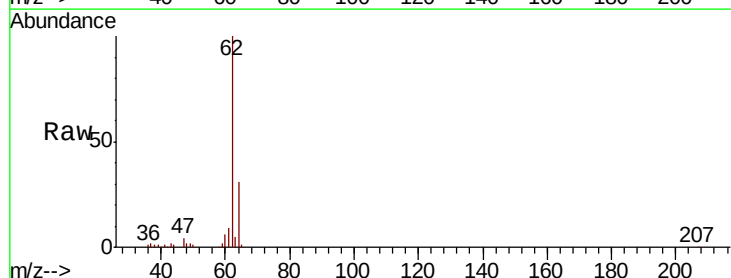
Acq: 20 Apr 2020 20:01

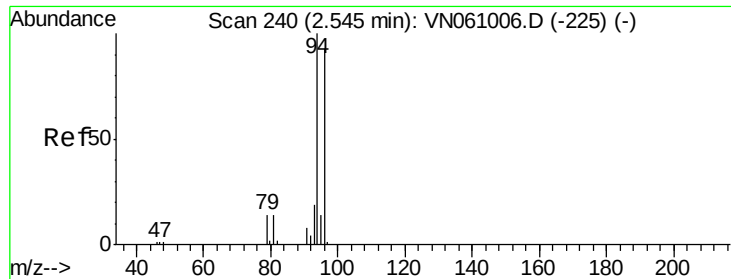
Tgt Ion: 62 Resp: 101353

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.0





#5

Bromomethane

Concen: 47.539 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

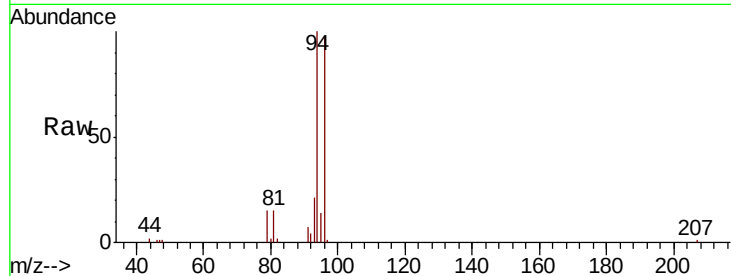
PA-TWP-2MS

Tot Ion: 94 Resp: 51570

Ion Ratio Lower Upper

94 100

96 96.6 74.3 111.5

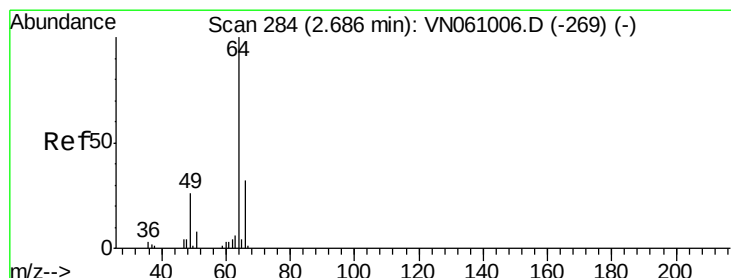
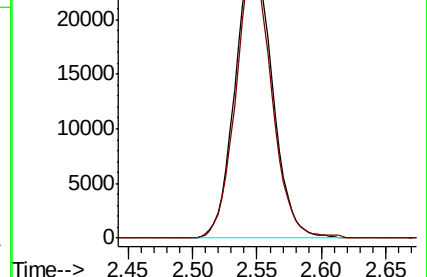
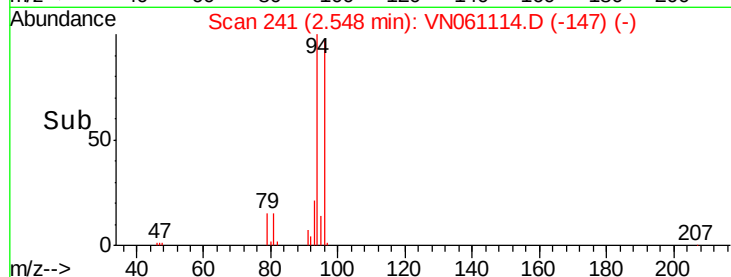


Abundance Ion 93.90 (93.60 to 94.60): VN061114.D (-147) (-)

Ion 95.90 (95.60 to 96.60): VN061114.D (-147) (-)

2.55

Time-->



#6

Chloroethane

Concen: 49.596 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061114.D

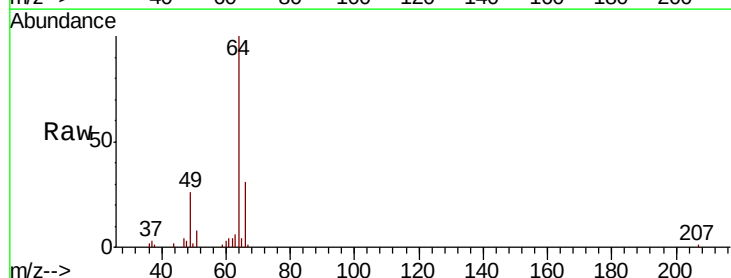
Acq: 20 Apr 2020 20:01

Tgt Ion: 64 Resp: 61887

Ion Ratio Lower Upper

64 100

66 31.4 25.8 38.8

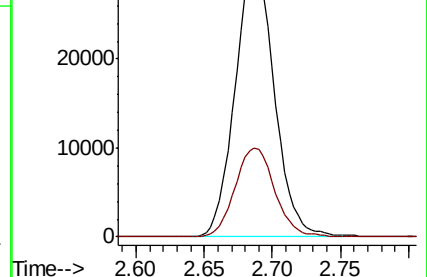
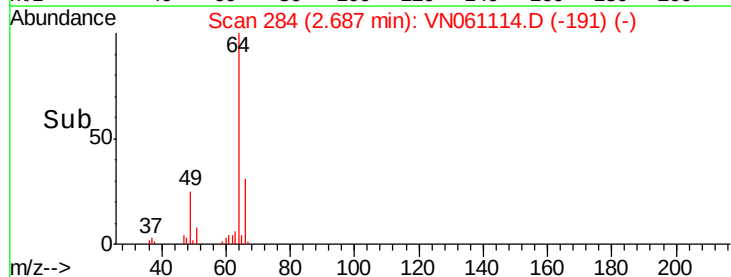


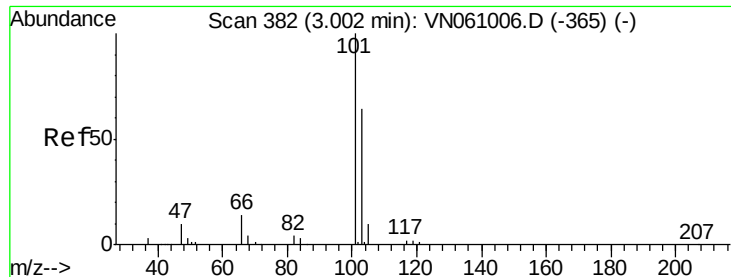
Abundance Ion 63.90 (63.60 to 64.60): VN061114.D (-191) (-)

Ion 65.90 (65.60 to 66.60): VN061114.D (-191) (-)

2.69

Time-->



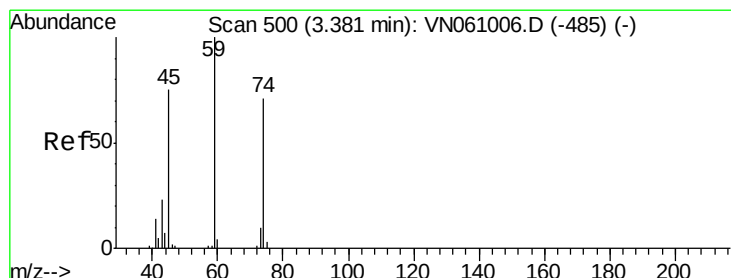
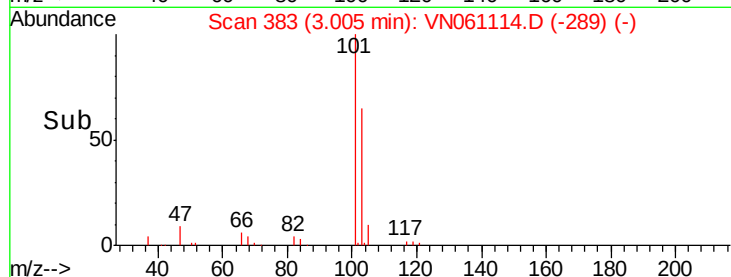
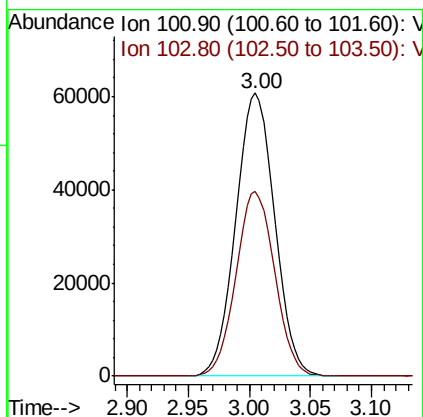
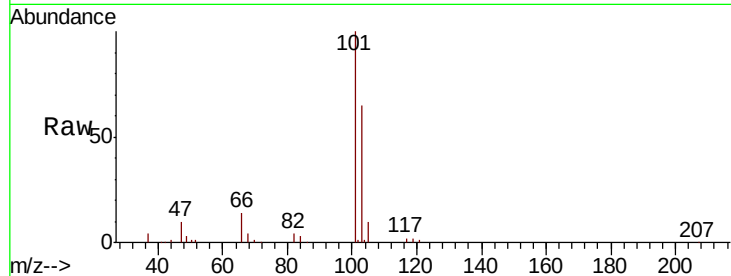


#7

Trichlorofluoromethane
Concen: 49.794 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Instrument :
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PA-TWP-2MS

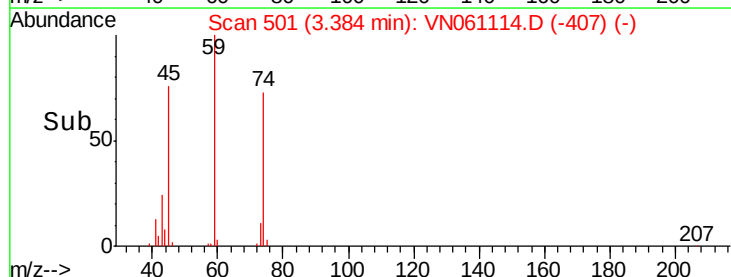
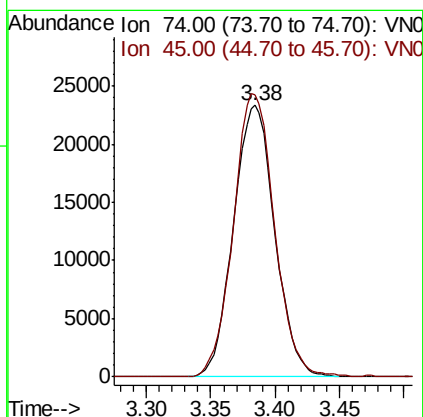
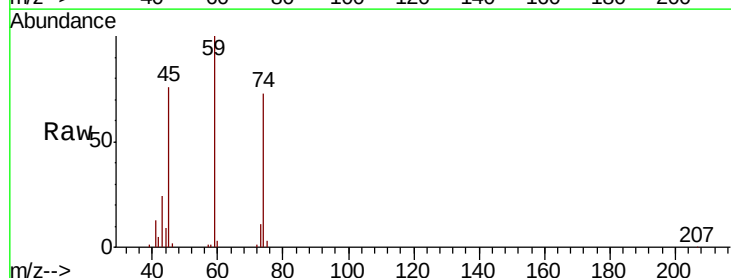
Tot Ion:101 Resp: 134097
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

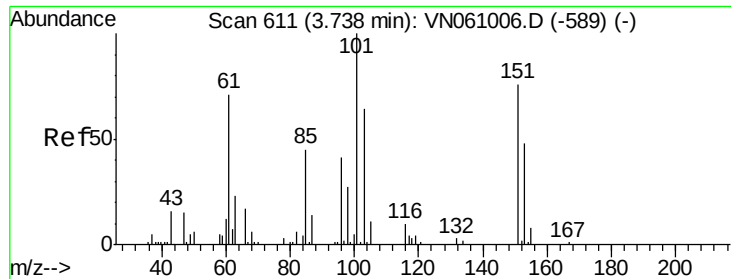


#8

Diethyl Ether
Concen: 48.556 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 74 Resp: 51972
Ion Ratio Lower Upper
74 100
45 103.8 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.106 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

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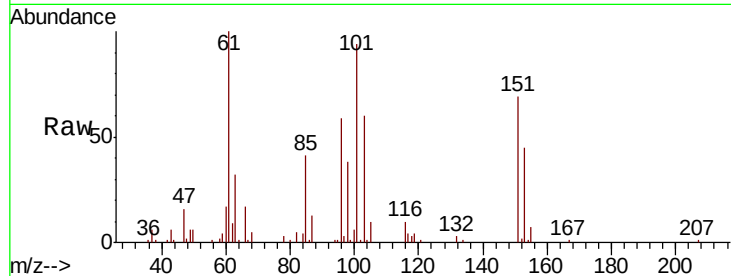
Tot Ion:101 Resp: 74429

Ion Ratio Lower Upper

101 100

85 44.3 35.9 53.9

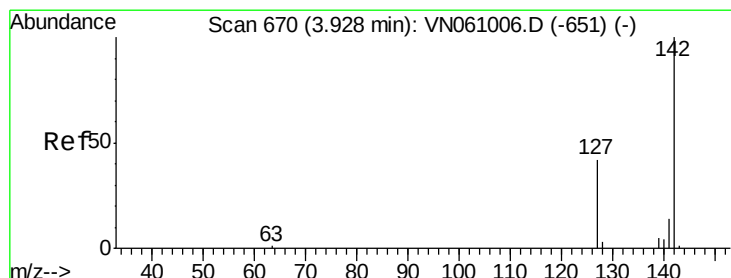
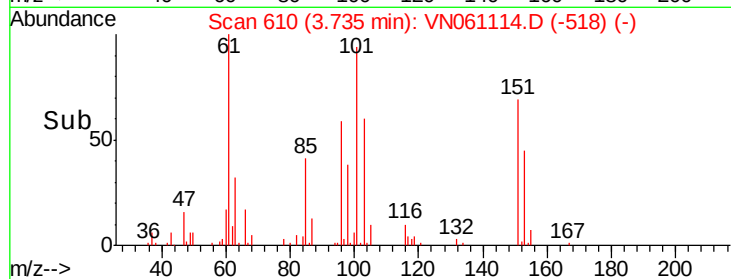
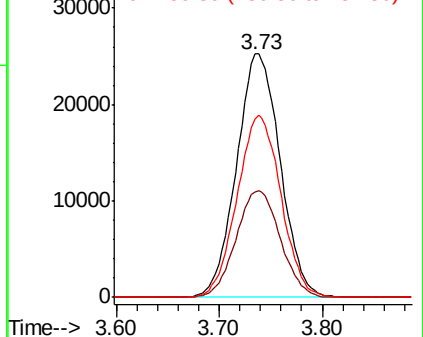
151 74.9 60.8 91.2



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: 47.928 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

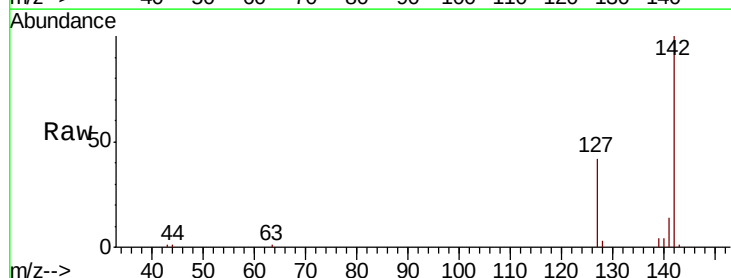
Tgt Ion:142 Resp: 66806

Ion Ratio Lower Upper

142 100

127 42.3 33.4 50.2

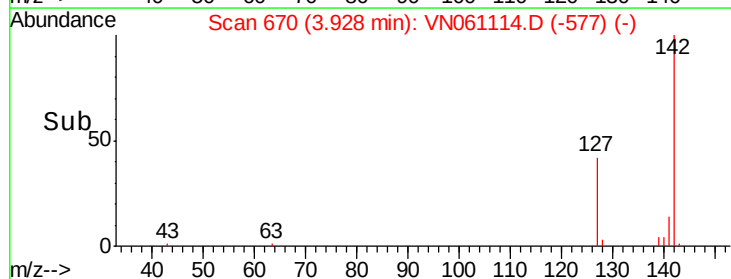
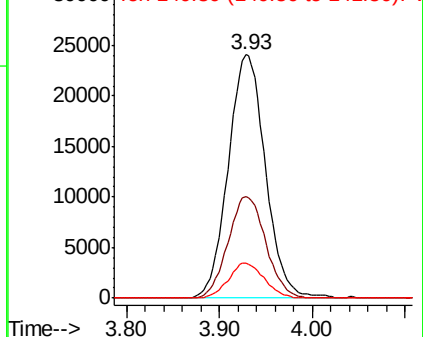
141 13.7 11.0 16.6

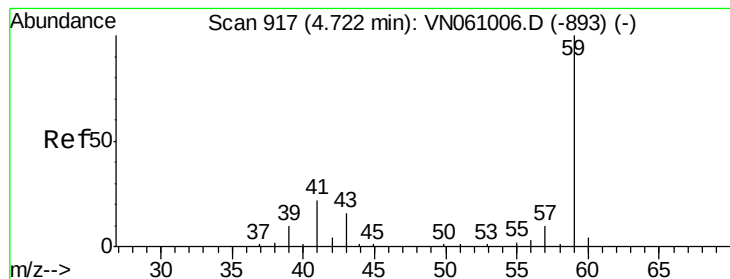


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



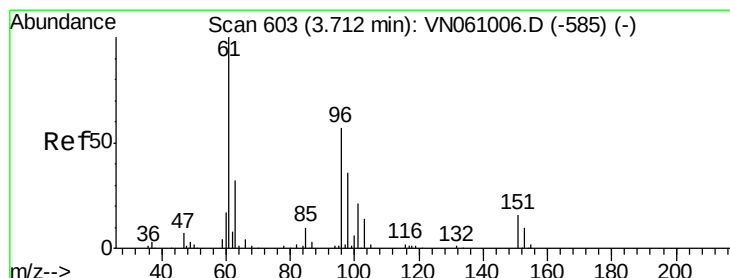
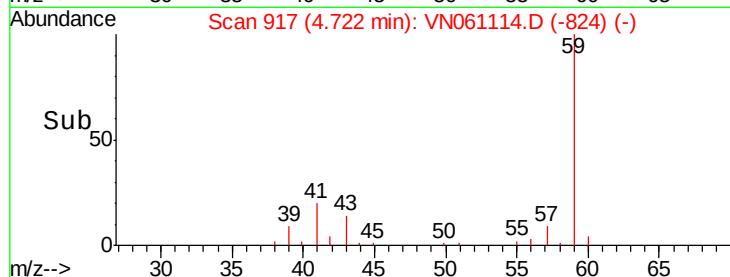
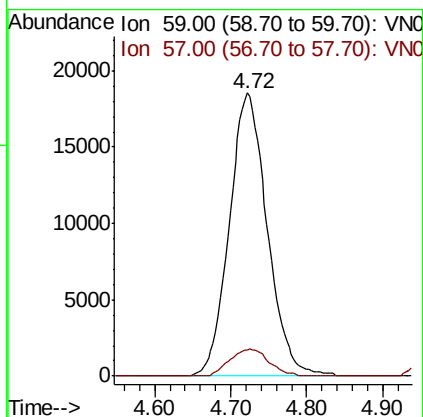
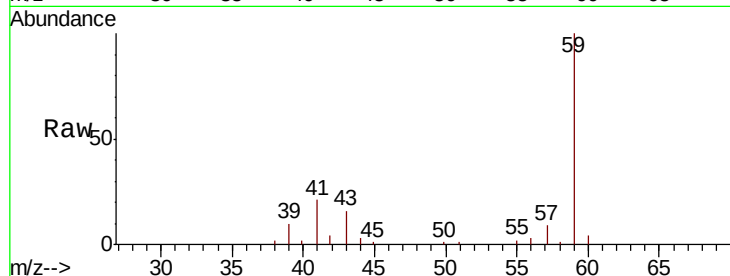


#11

Tert butyl alcohol
 Concen: 192.791 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

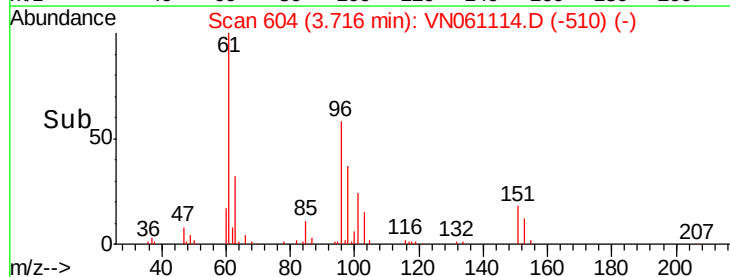
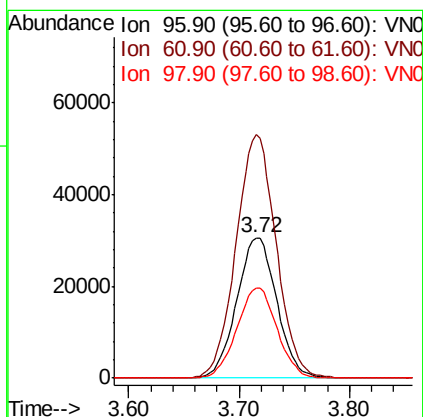
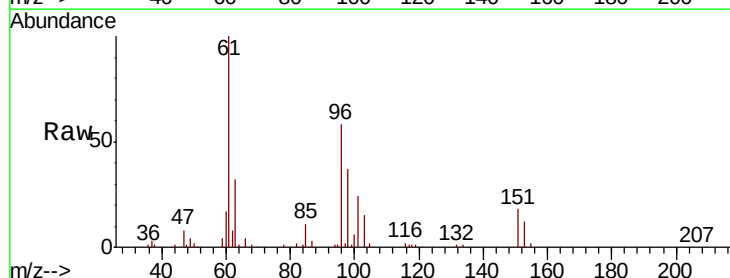
Tot Ion: 59 Resp: 64231
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.1 12.1

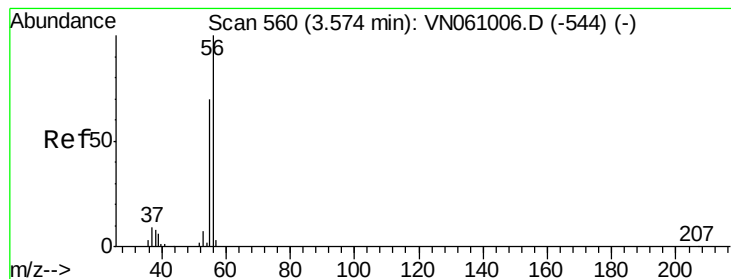


#12

1,1-Dichloroethene
 Concen: 47.799 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 96 Resp: 76769
 Ion Ratio Lower Upper
 96 100
 61 173.7 139.2 208.8
 98 64.0 50.0 75.0





#13

Acrolein

Concen: 220.262 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

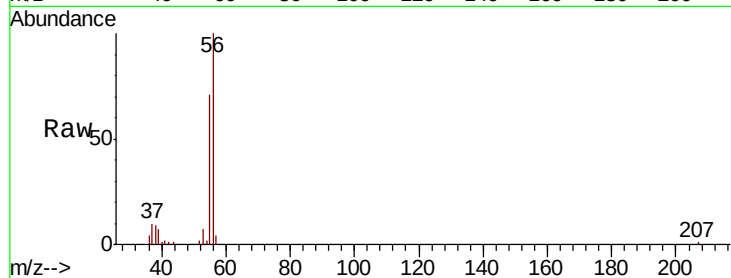
PA-TWP-2MS

Tot Ion: 56 Resp: 61961

Ion Ratio Lower Upper

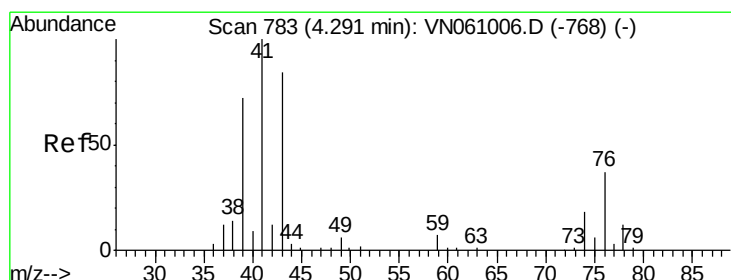
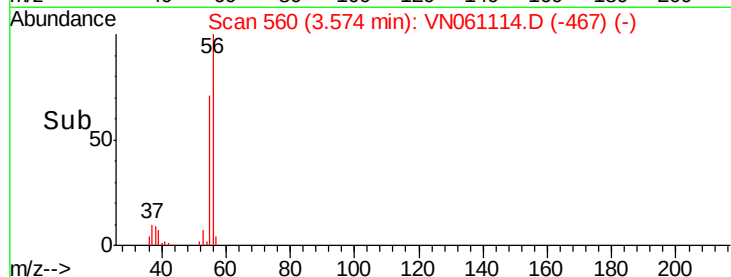
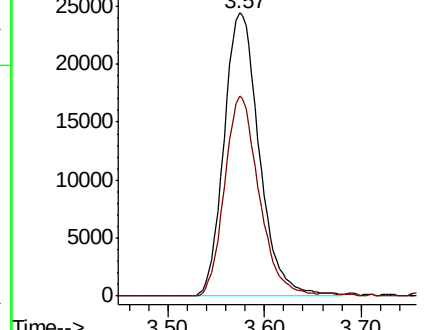
56 100

55 68.7 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN061114.D (-690) (-)

Ion 55.00 (54.70 to 55.70): VN061114.D (-690) (-)



#14

Allyl chloride

Concen: 43.988 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

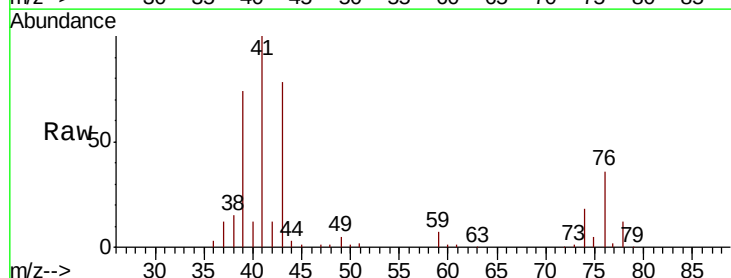
Tgt Ion: 41 Resp: 133673

Ion Ratio Lower Upper

41 100

39 75.1 56.3 84.5

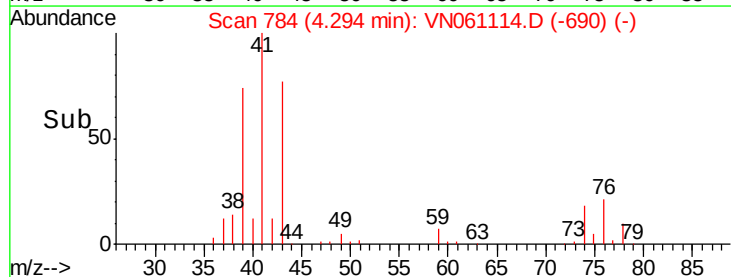
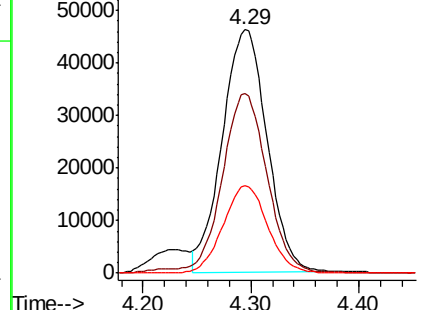
76 35.9 27.7 41.5

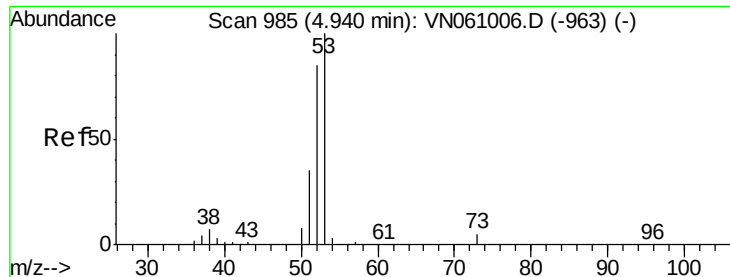


Abundance Ion 41.00 (40.70 to 41.70): VN061114.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN061114.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN061114.D (-690) (-)





#15

Acrylonitrile

Concen: 239.940 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

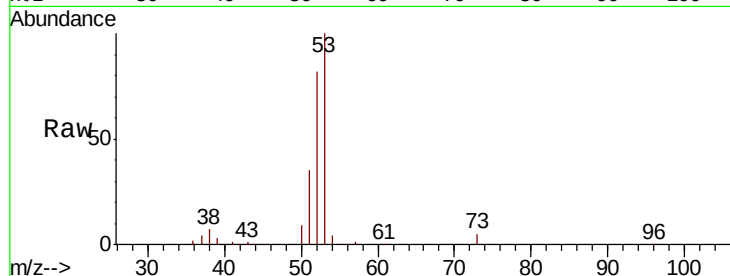
Tot Ion: 53 Resp: 216746

Ion Ratio Lower Upper

53 100

52 83.6 66.8 100.2

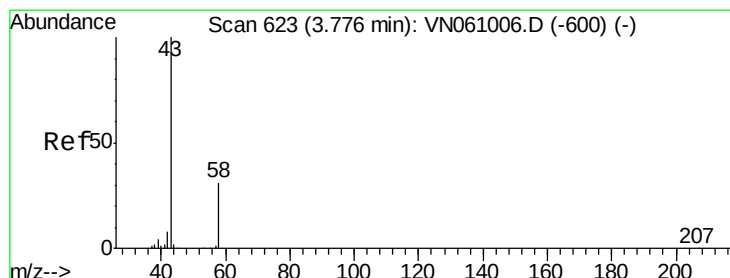
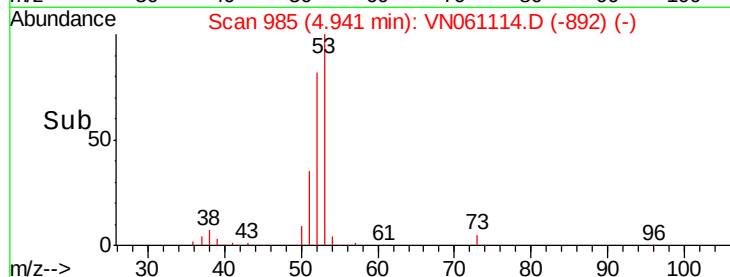
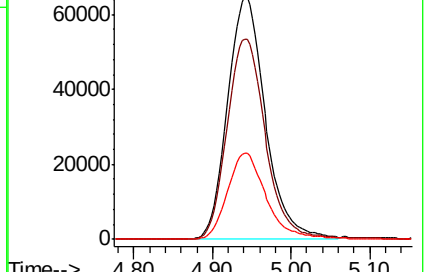
51 36.5 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061114.D (-892) (-)

Ion 52.00 (51.70 to 52.70): VN061114.D (-892) (-)

Ion 51.00 (50.70 to 51.70): VN061114.D (-892) (-)



#16

Acetone

Concen: 214.176 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061114.D

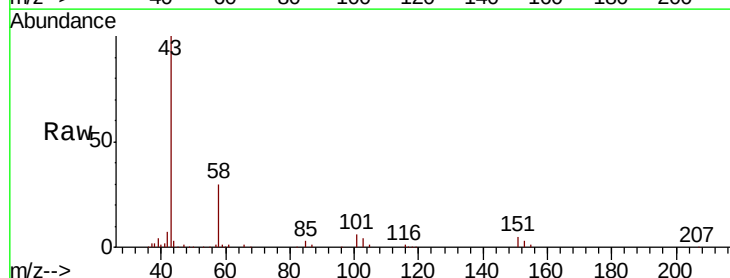
Acq: 20 Apr 2020 20:01

Tgt Ion: 43 Resp: 177016

Ion Ratio Lower Upper

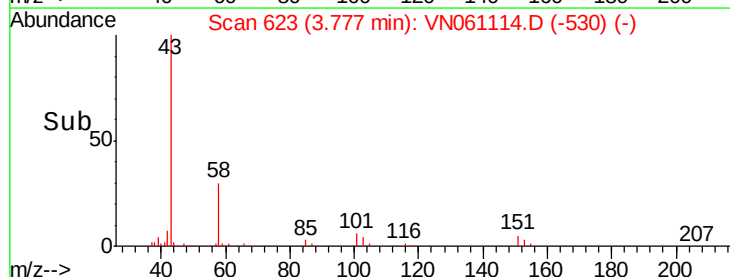
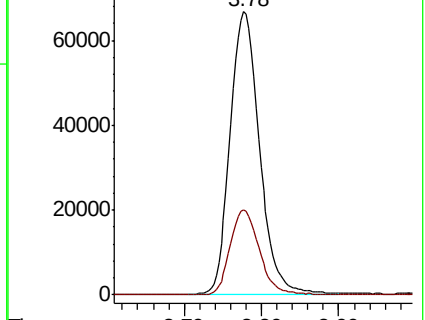
43 100

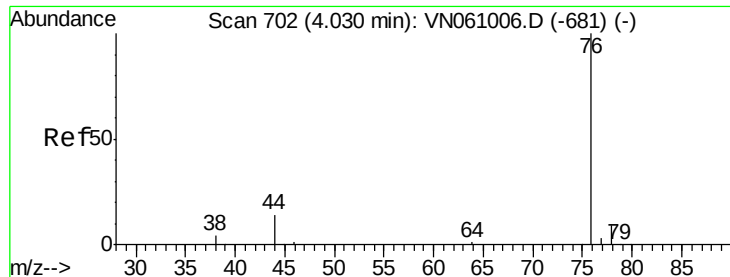
58 30.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061114.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061114.D (-530) (-)

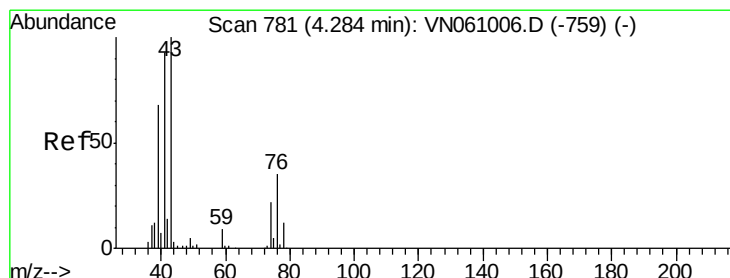
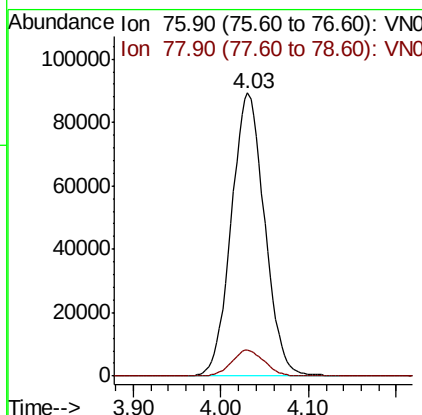
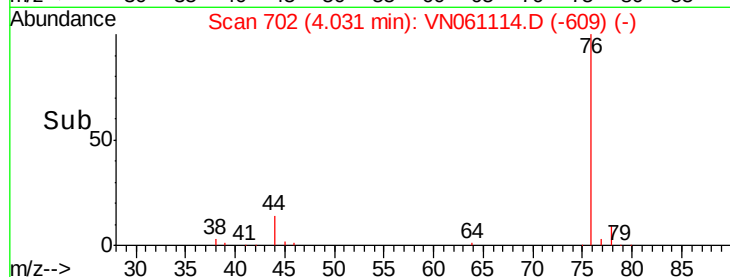
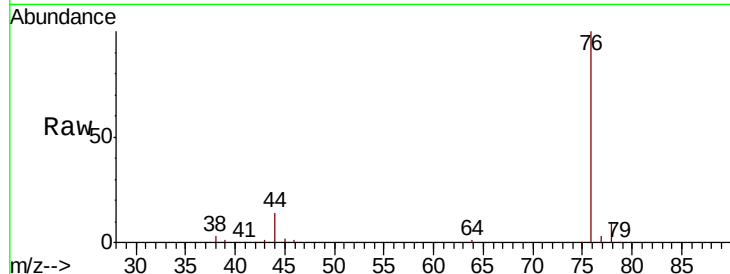




#17
Carbon Disulfide
Concen: 46.915 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

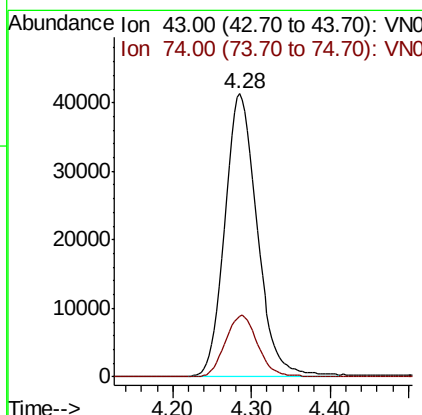
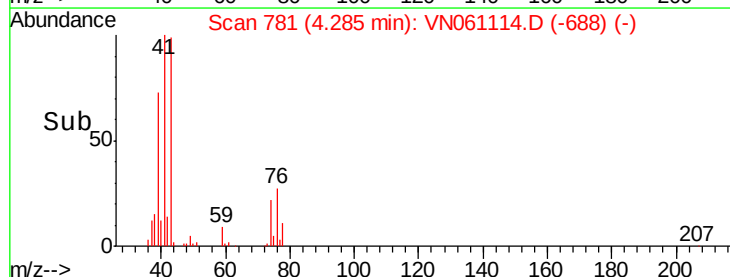
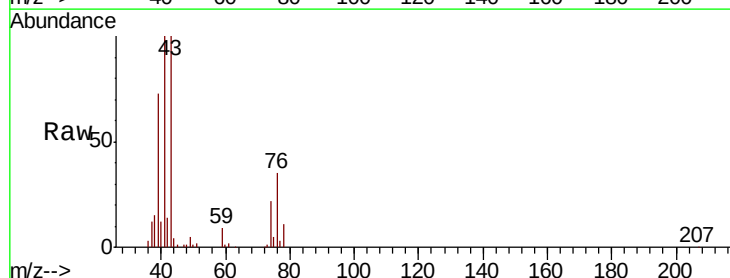
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

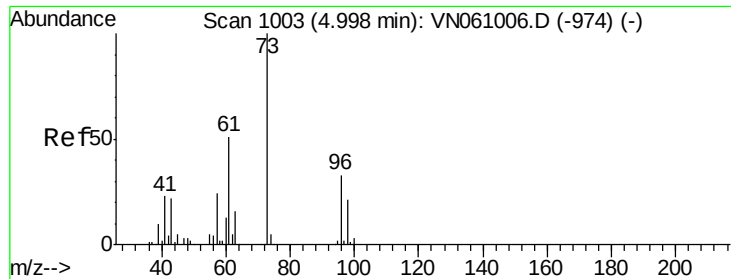
Tot Ion: 76 Resp: 235781
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 45.698 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 43 Resp: 118436
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.0



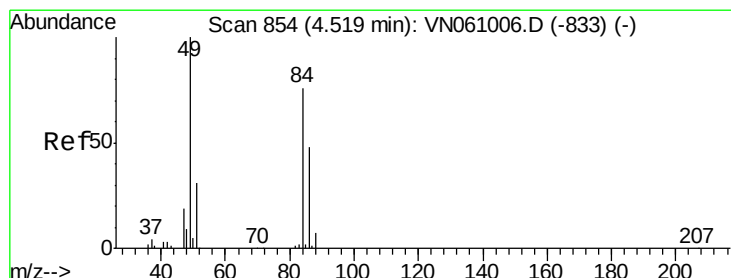
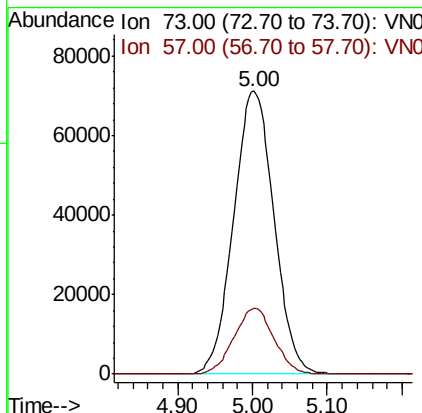
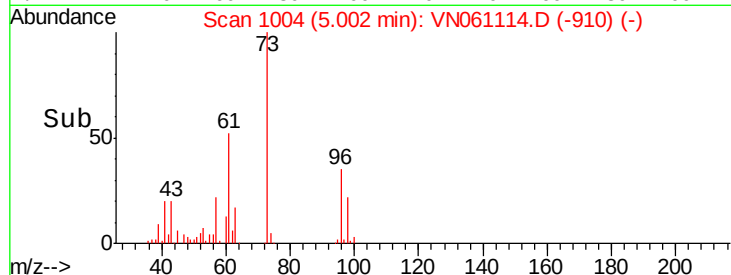
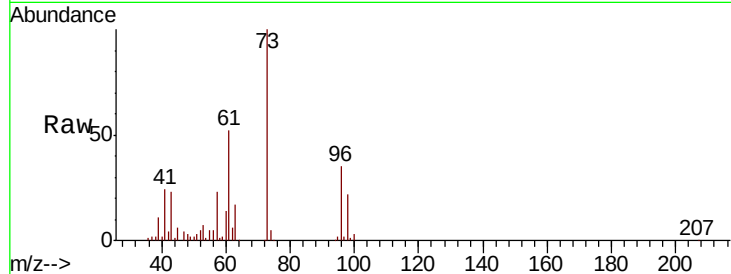


#19

Methyl tert-butyl Ether
 Concen: 47.652 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

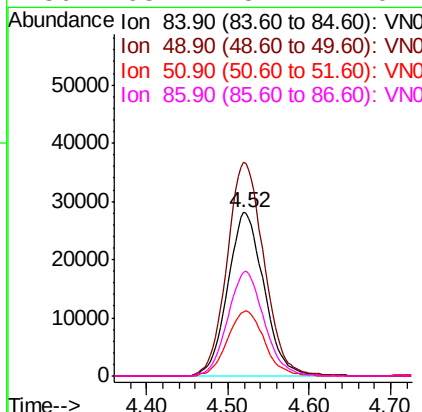
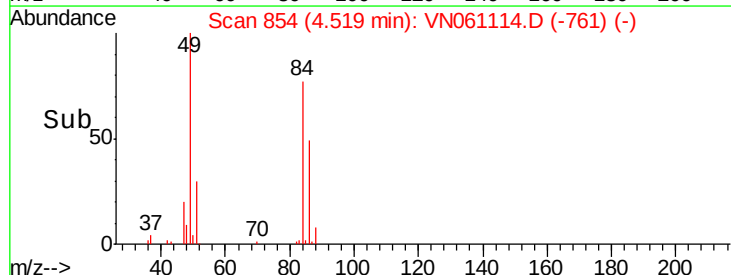
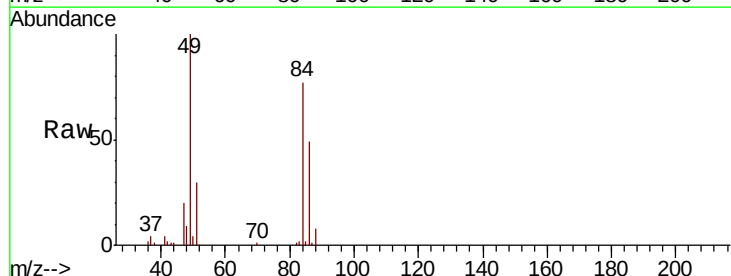
Tot Ion: 73 Resp: 266857
 Ion Ratio Lower Upper
 73 100
 57 23.2 19.0 28.4

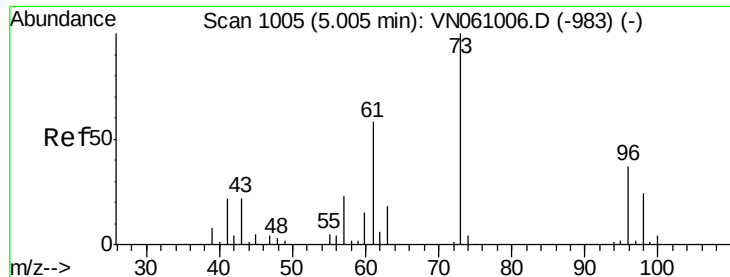


#20

Methylene Chloride
 Concen: 48.326 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 84 Resp: 87206
 Ion Ratio Lower Upper
 84 100
 49 130.4 105.8 158.6
 51 39.4 32.4 48.6
 86 63.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.438 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

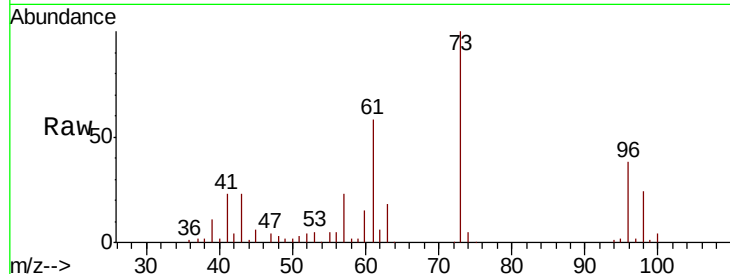
Tot Ion: 96 Resp: 83207

Ion Ratio Lower Upper

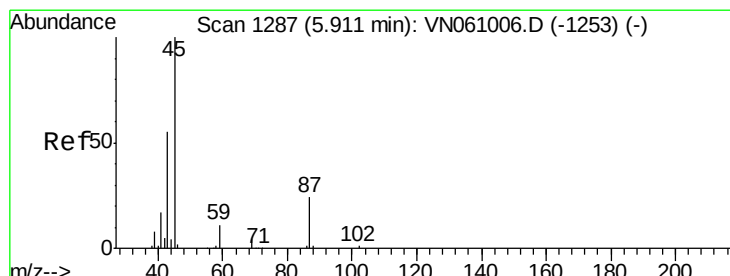
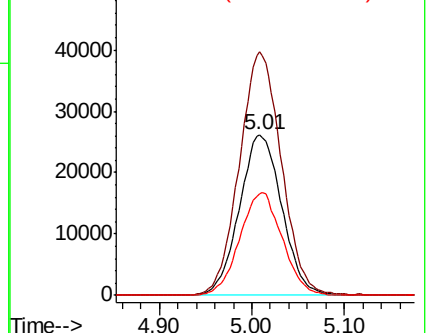
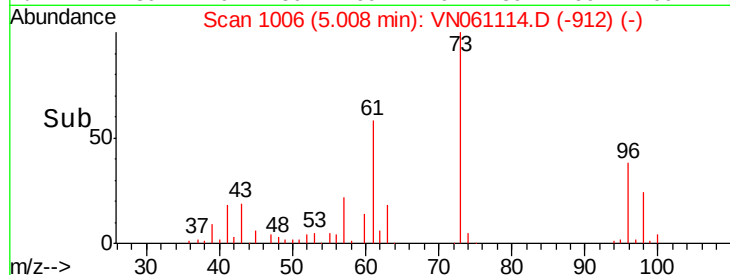
96 100

61 151.7 124.8 187.2

98 63.4 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN061114.D (-912) (-)



#22

Diisopropyl ether

Concen: 49.029 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Tgt Ion: 45 Resp: 309436

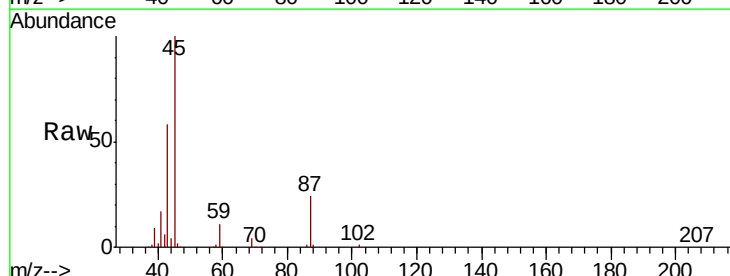
Ion Ratio Lower Upper

45 100

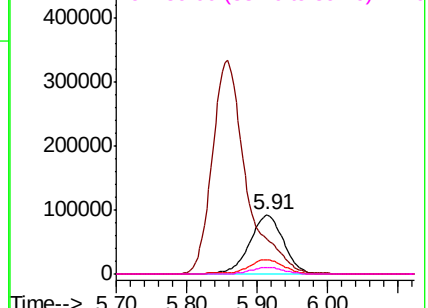
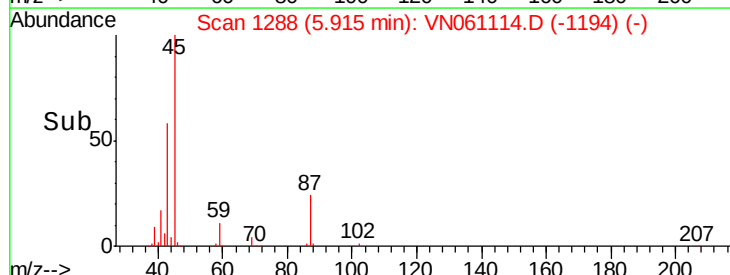
43 57.3 48.6 72.8

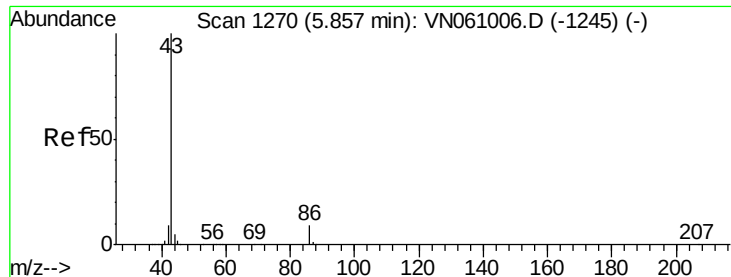
87 23.8 19.4 29.2

59 11.3 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN061114.D (-1194) (-)





#23

Vinyl Acetate

Concen: 227.071 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

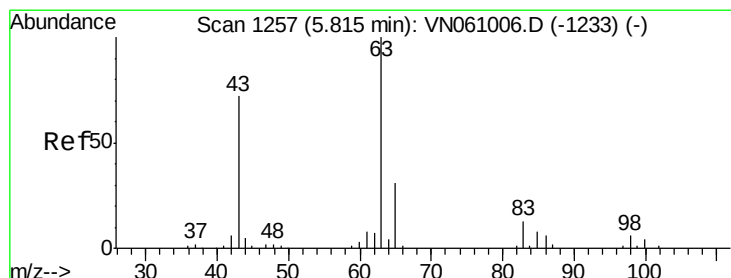
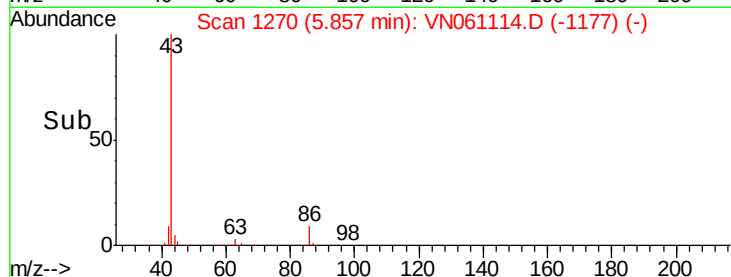
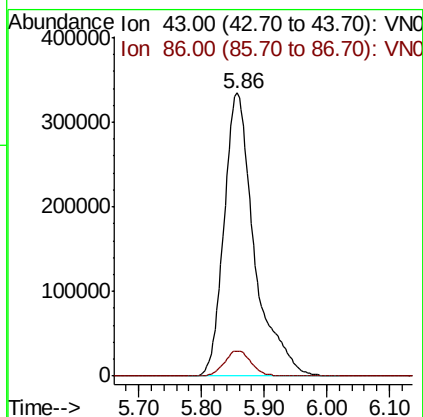
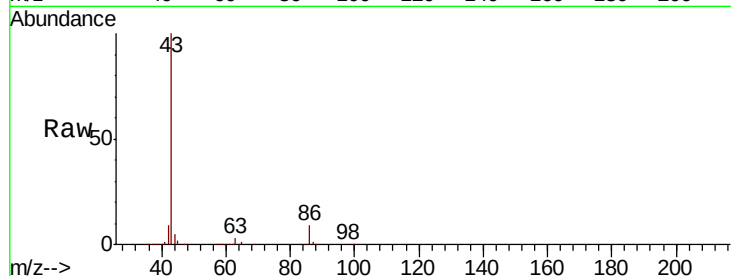
PA-TWP-2MS

Tot Ion: 43 Resp: 1123807

Ion Ratio Lower Upper

43 100

86 9.0 7.3 10.9



#24

1,1-Dichloroethane

Concen: 48.611 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

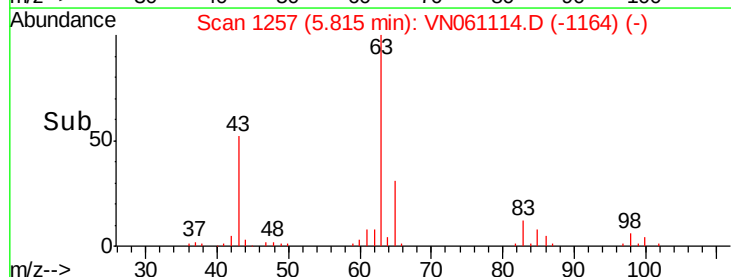
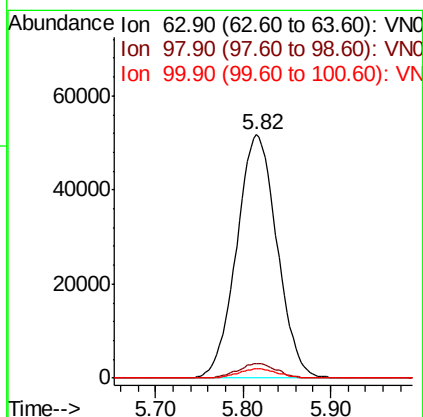
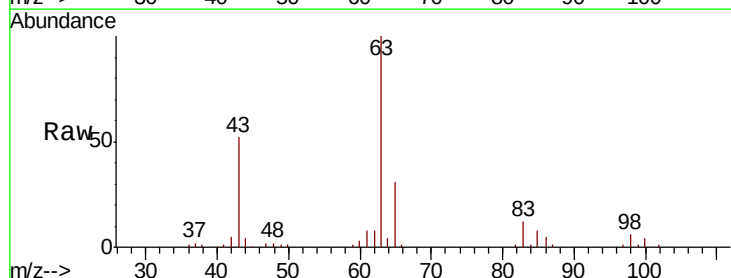
Tgt Ion: 63 Resp: 165701

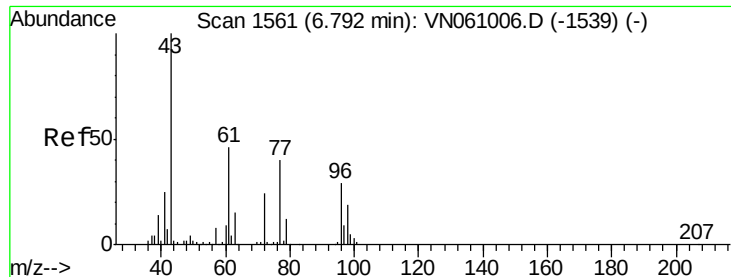
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.0 2.0 5.8

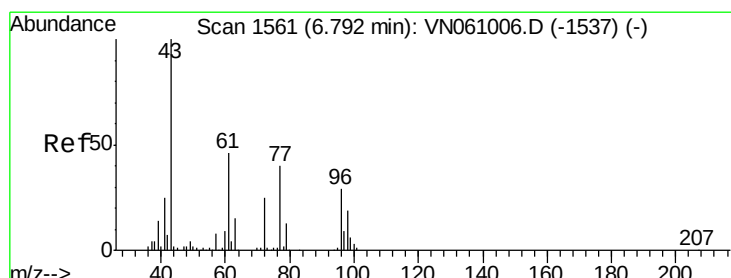
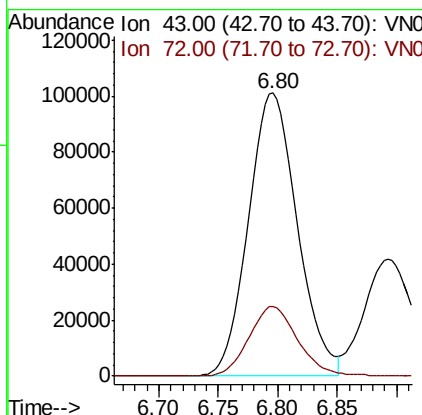
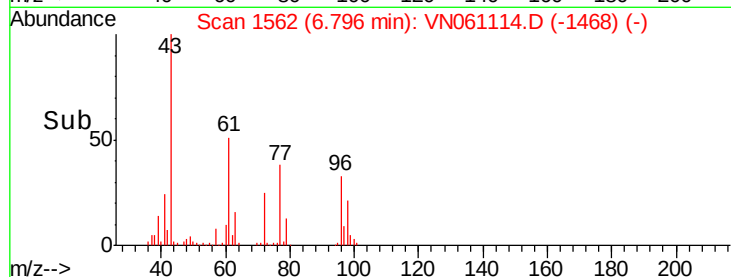
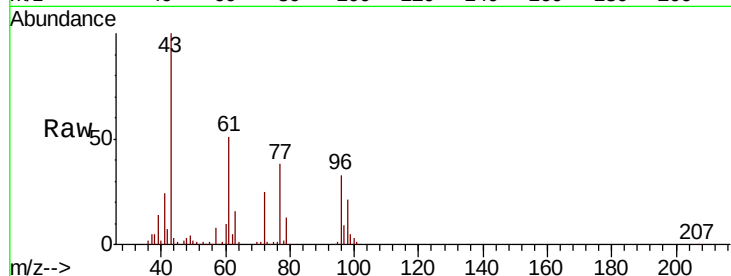




#25
2-Butanone
Concen: 226.342 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

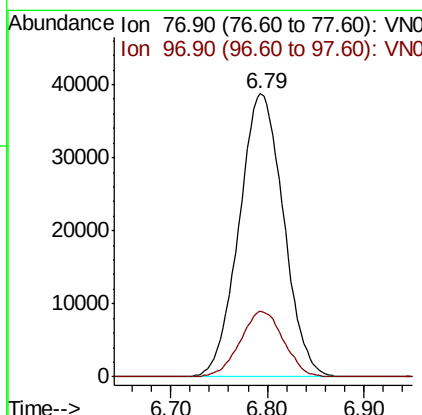
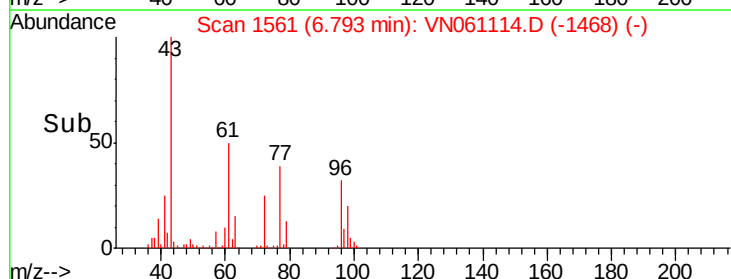
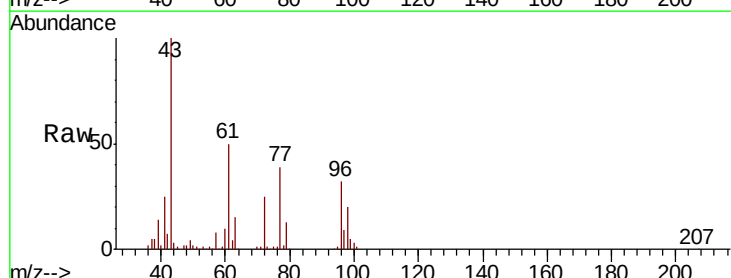
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

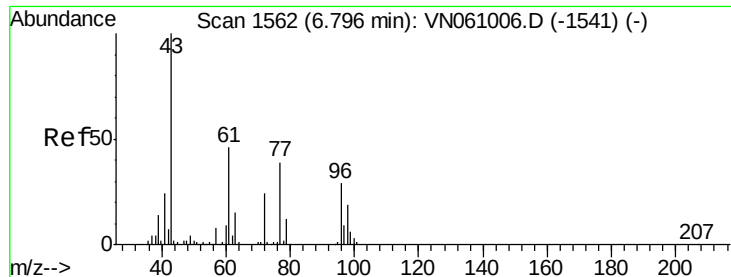
Tot Ion: 43 Resp: 286662
Ion Ratio Lower Upper
43 100
72 24.6 19.6 29.4



#26
2,2-Dichloropropane
Concen: 43.538 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 77 Resp: 123570
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.195 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

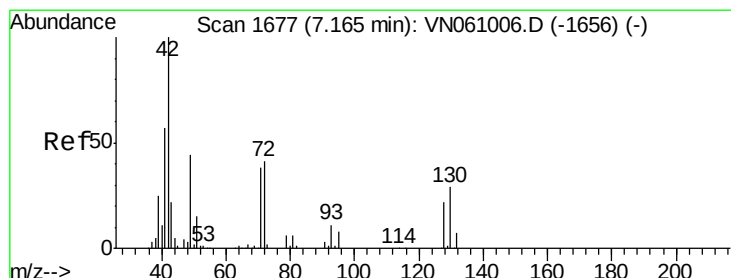
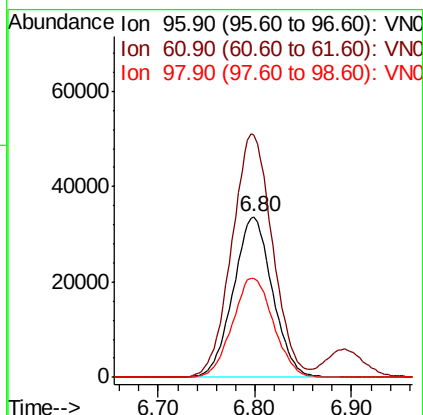
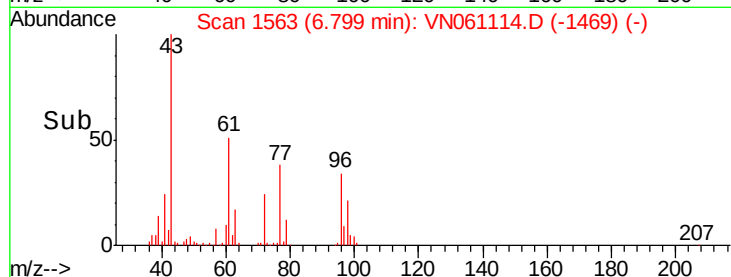
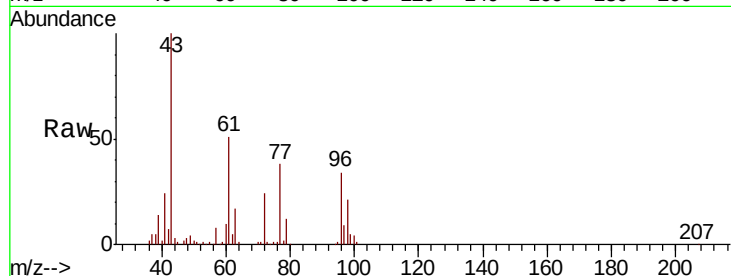
Tot Ion: 96 Resp: 95049

Ion Ratio Lower Upper

96 100

61 156.9 0.0 317.4

98 64.3 0.0 127.8



#28

Bromochloromethane

Concen: 49.780 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

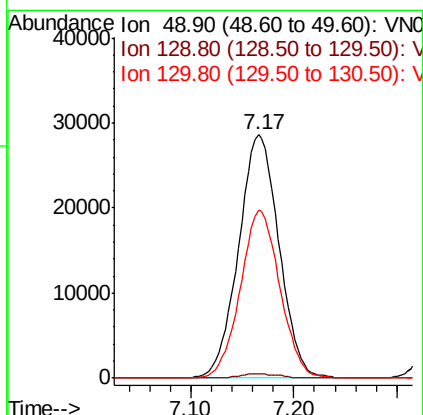
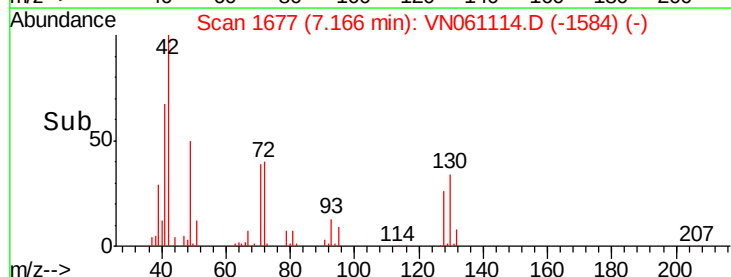
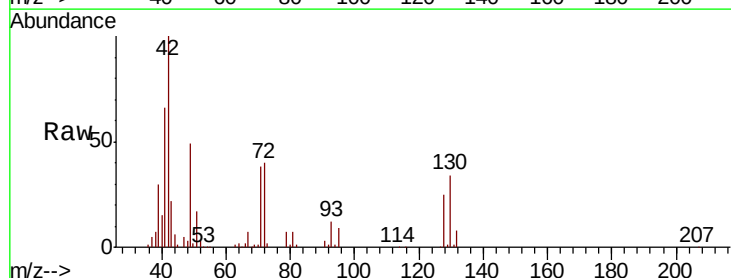
Tgt Ion: 49 Resp: 77890

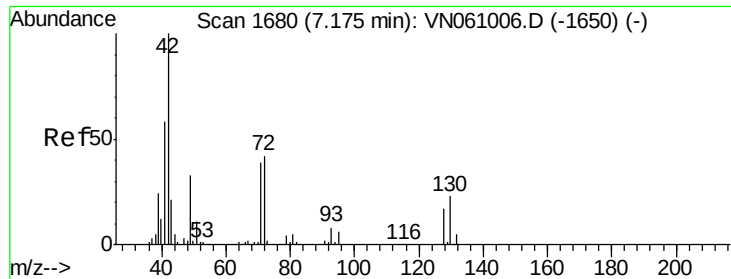
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.0

130 67.5 52.9 79.3

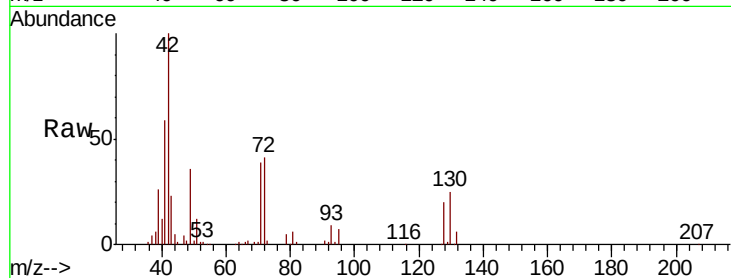




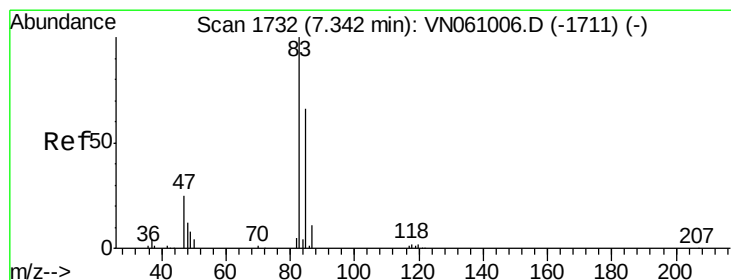
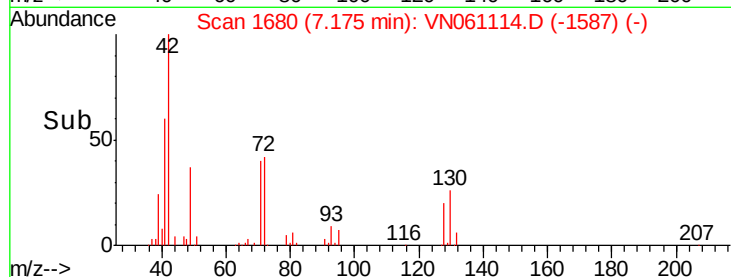
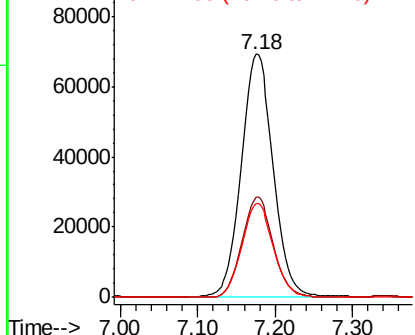
#29
Tetrahydrofuran
Concen: 231.795 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

Tot Ion: 42 Resp: 199300
Ion Ratio Lower Upper
42 100
72 40.3 32.1 48.1
71 38.0 30.5 45.7

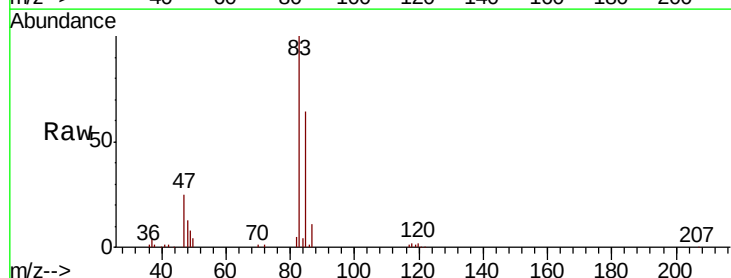


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

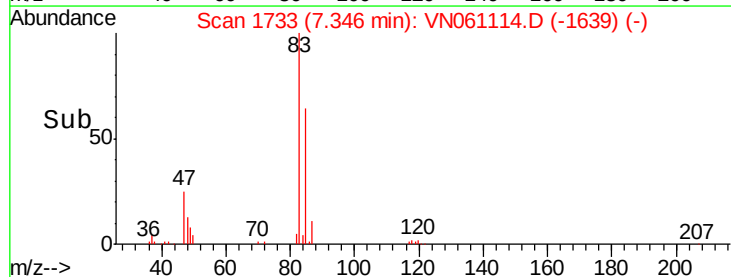
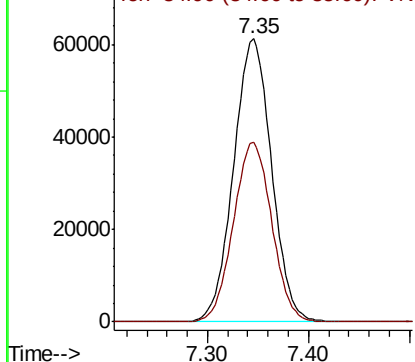


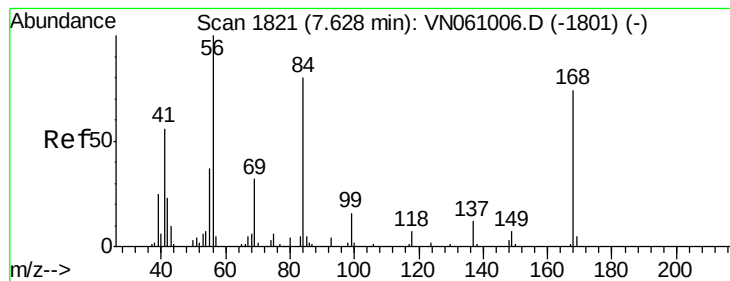
#30
Chloroform
Concen: 50.370 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 83 Resp: 160148
Ion Ratio Lower Upper
83 100
85 63.6 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 42.661 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

PA-TWP-2MS

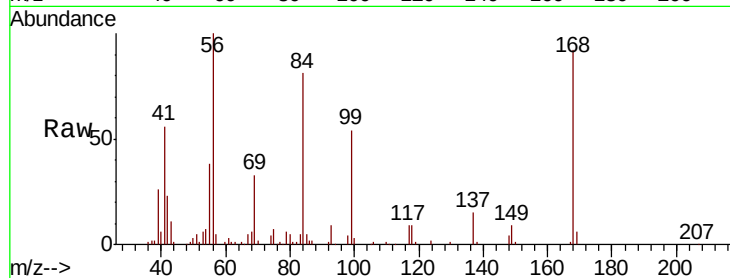
Tot Ion: 56 Resp: 149221

Ion Ratio Lower Upper

56 100

69 32.9 25.6 38.4

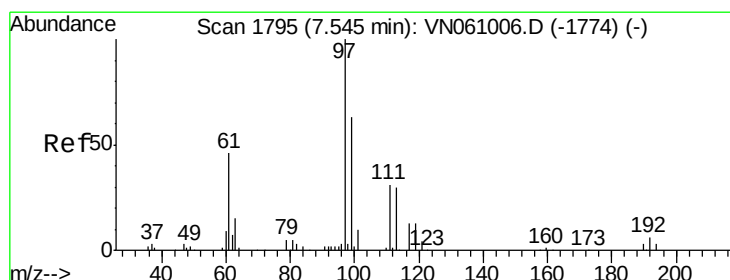
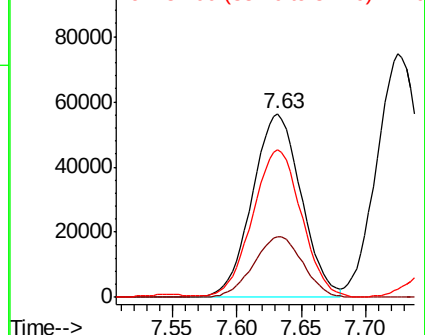
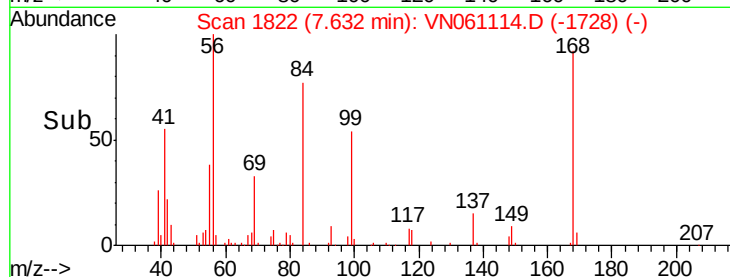
84 79.7 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VN061114.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN061114.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN061114.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 49.663 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

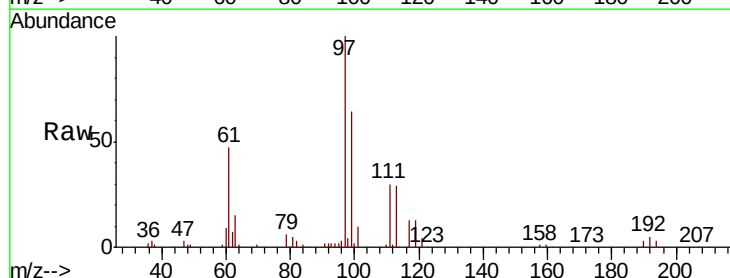
Tgt Ion: 97 Resp: 136578

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

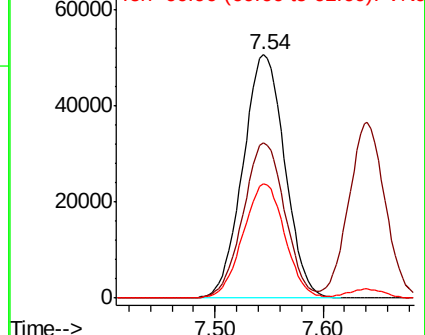
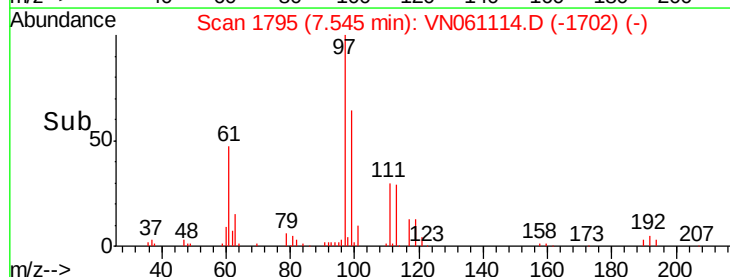
61 46.9 37.0 55.6

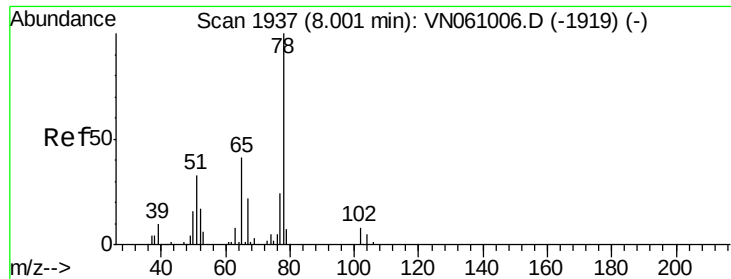


Abundance Ion 96.90 (96.60 to 97.60): VN061114.D (-1702) (-)

Ion 98.90 (98.60 to 99.60): VN061114.D (-1702) (-)

Ion 60.90 (60.60 to 61.60): VN061114.D (-1702) (-)

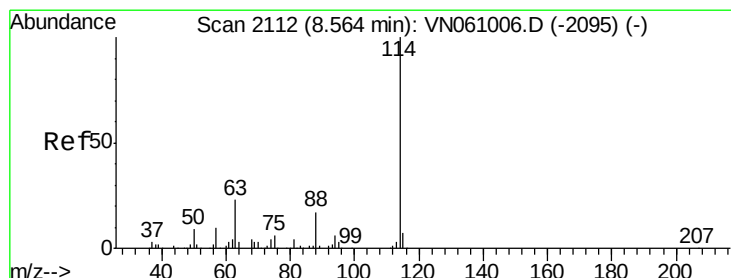
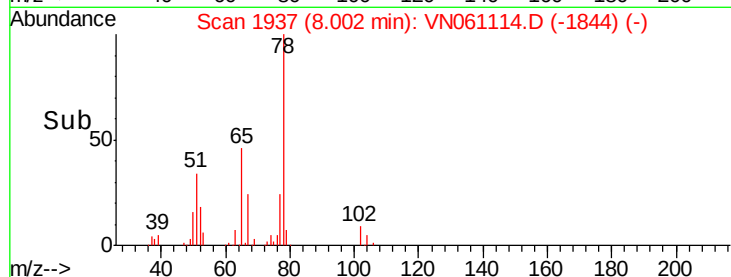
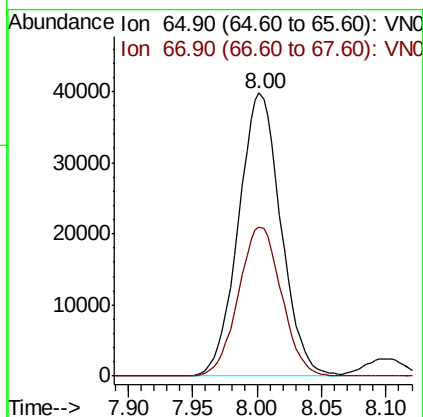
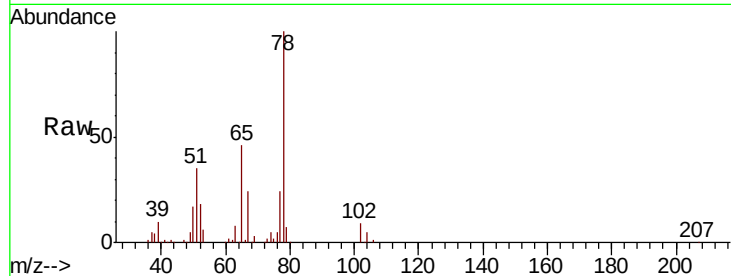




#33
 1,2-Dichloroethane-d4
 Concen: 48.526 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

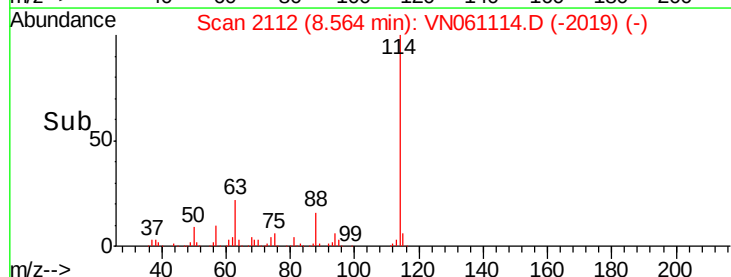
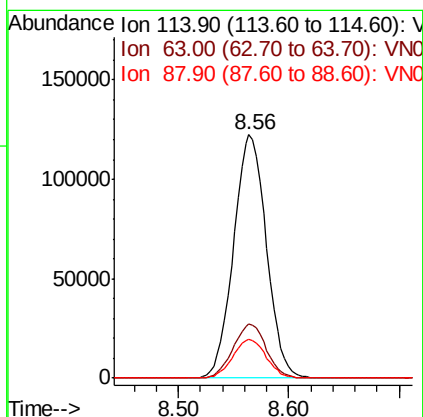
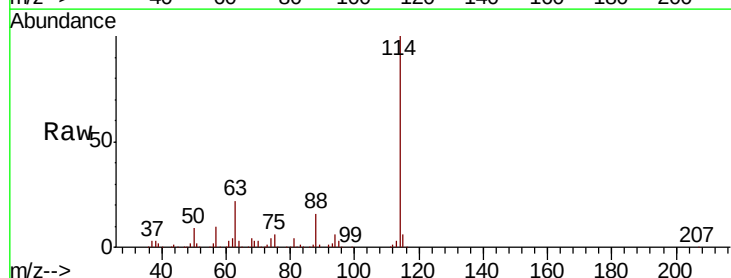
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

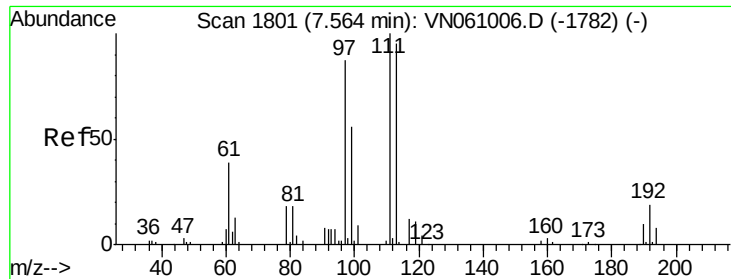
Tot Ion: 65 Resp: 91121
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 114 Resp: 252159
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 46.2
 88 15.8 0.0 33.4

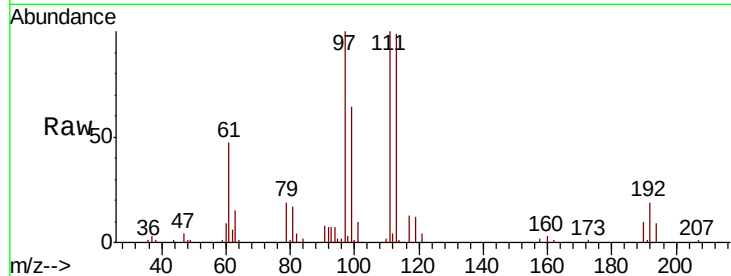




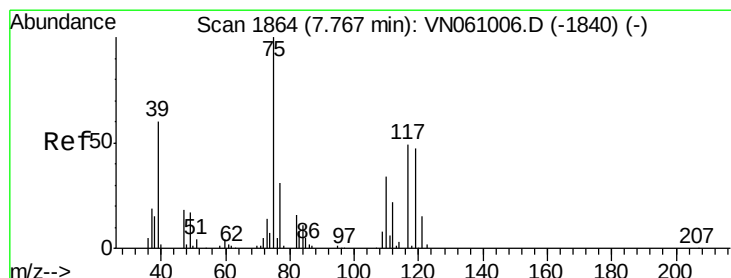
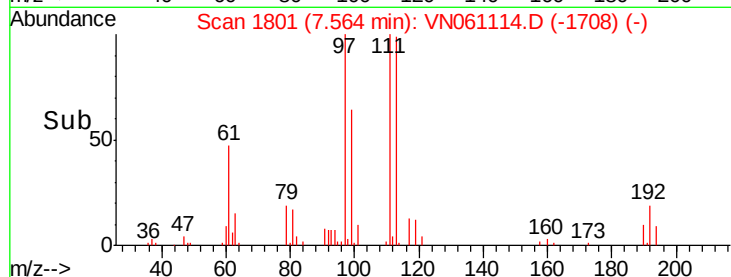
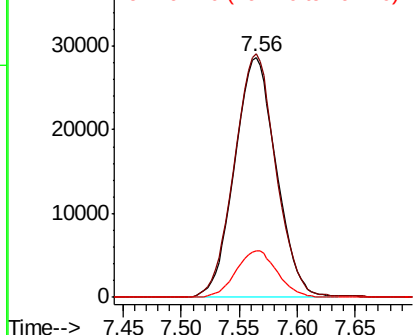
#35
 Dibromofluoromethane
 Concen: 48.556 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

Tot Ion:113 Resp: 71502
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.4 125.2
 192 19.1 15.5 23.3

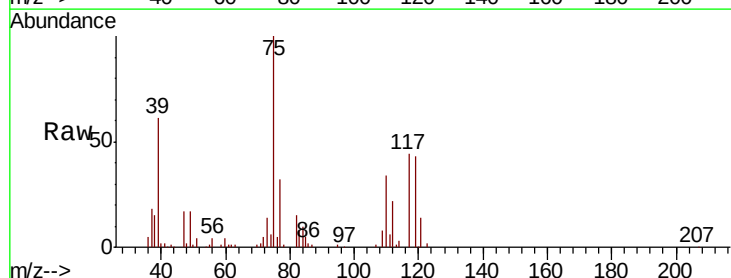


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

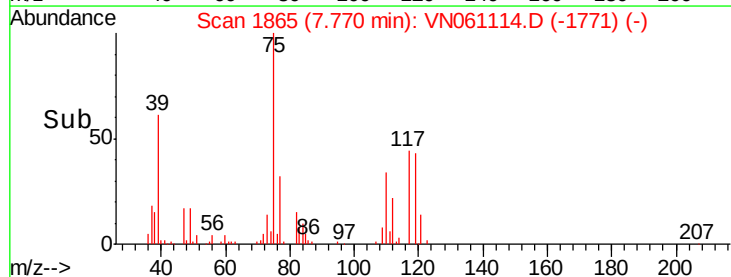
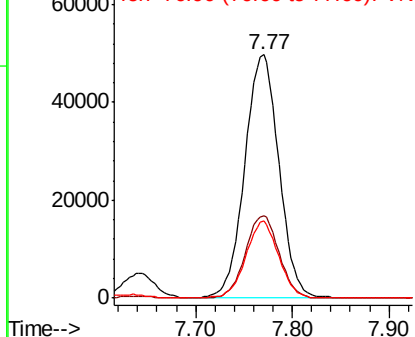


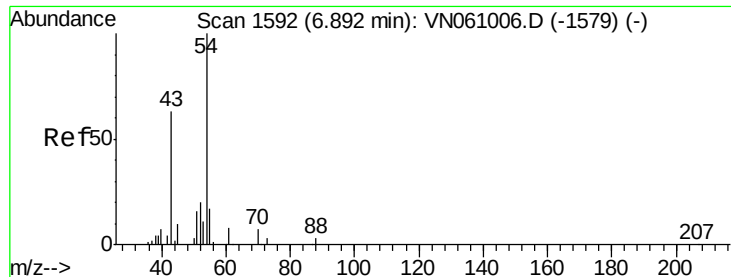
#36
 1,1-Dichloropropene
 Concen: 46.953 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 75 Resp: 122174
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.8 50.3
 77 30.3 24.7 37.1



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

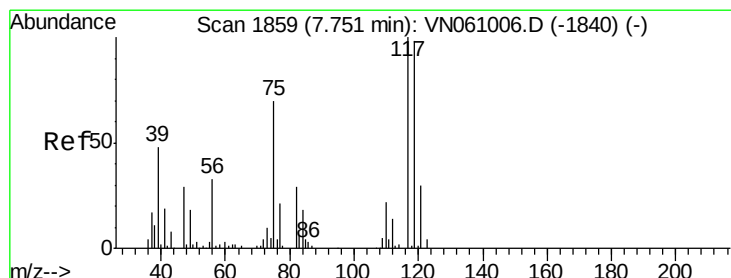
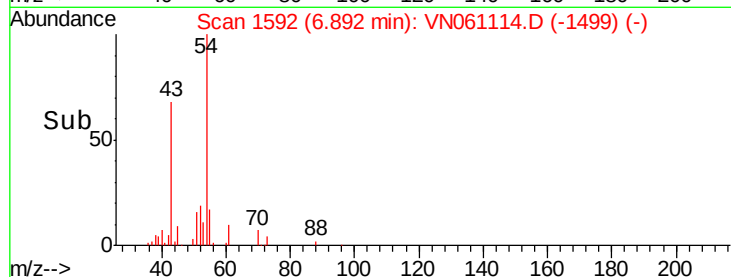
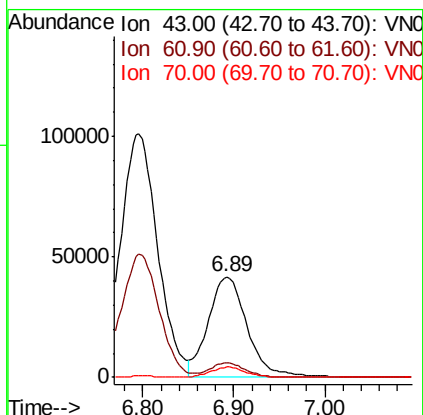
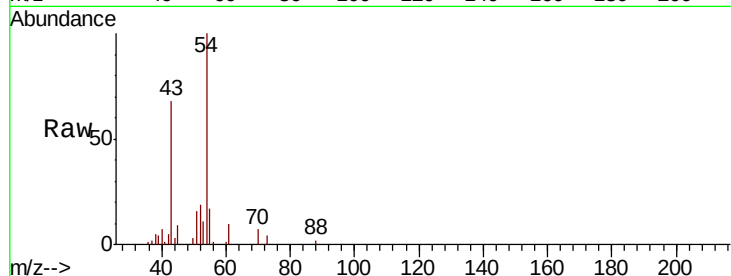




#37
Ethyl Acetate
Concen: 43.190 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

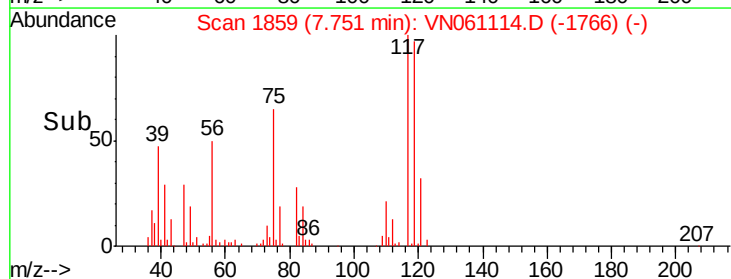
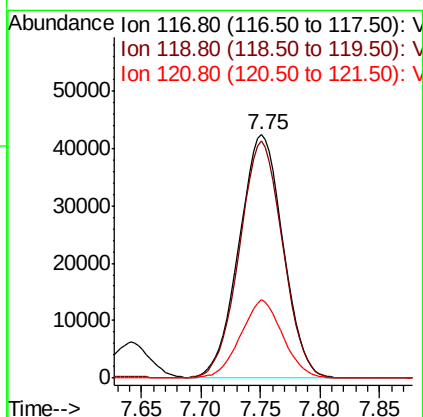
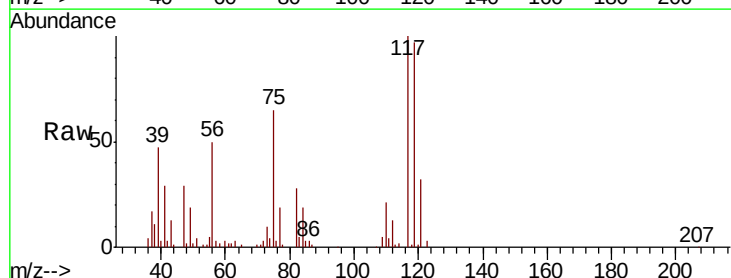
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

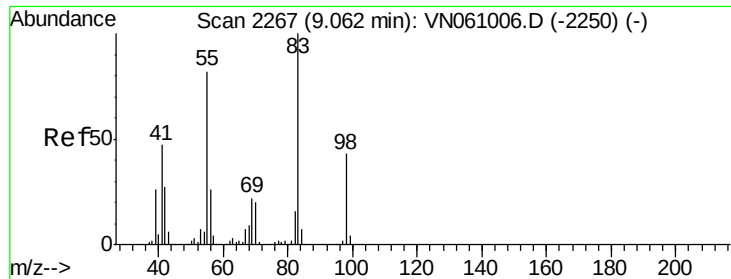
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.3	7.7	11.5



#38
Carbon Tetrachloride
Concen: 50.172 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.1	117.1
121	32.1	24.0	36.0

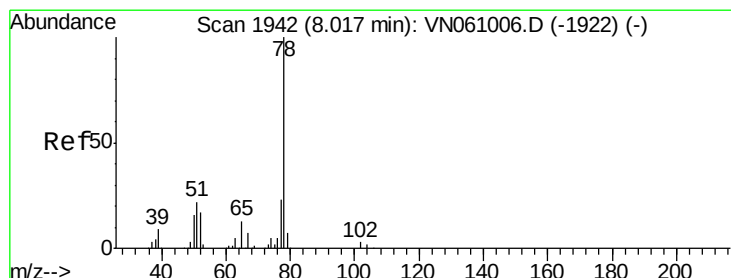
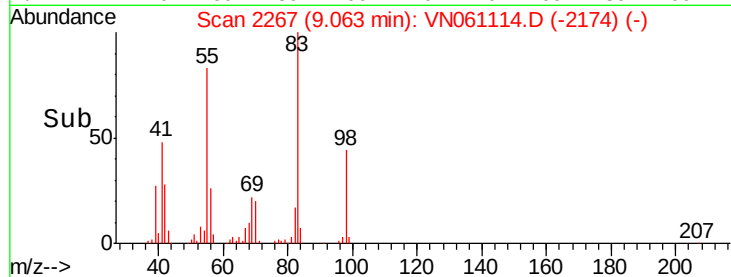
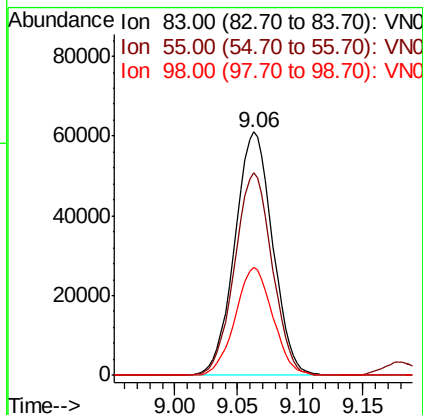
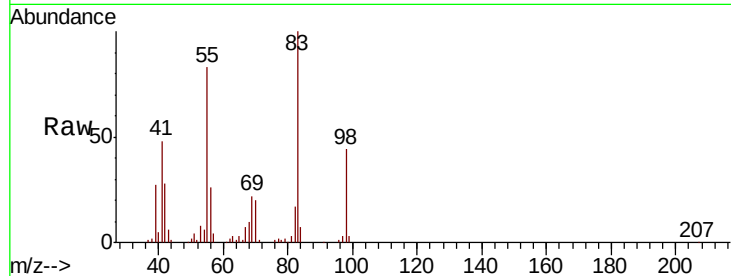




#39
Methylvlcyclohexane
Concen: 41.187 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

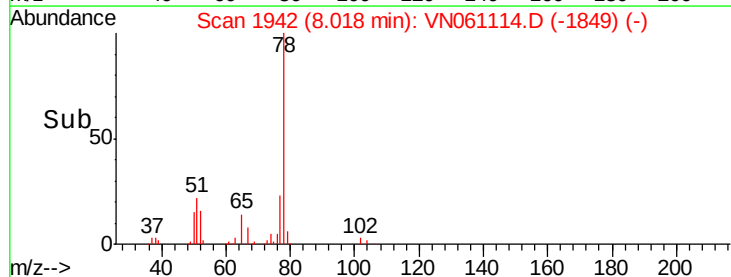
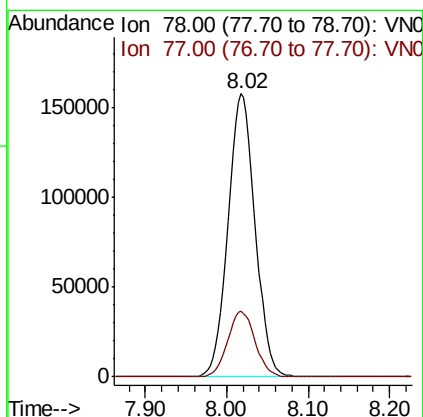
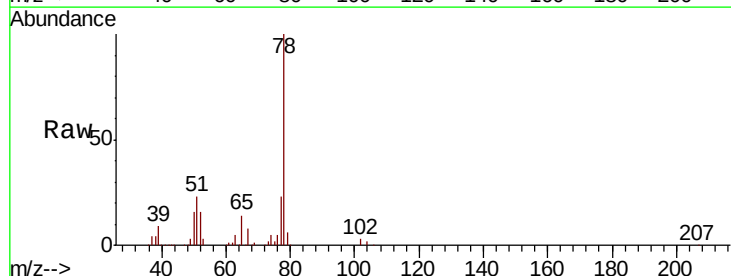
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

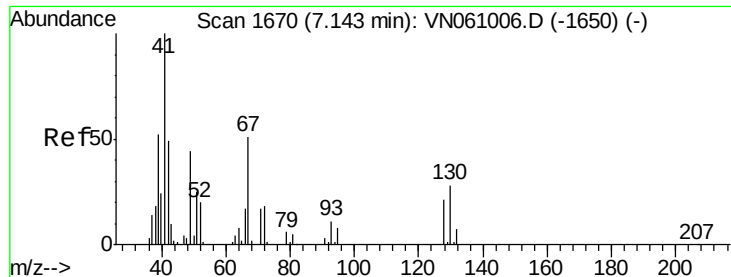
Tot Ion: 83 Resp: 128128
Ion Ratio Lower Upper
83 100
55 83.0 65.4 98.0
98 44.1 34.6 51.8



#40
Benzene
Concen: 47.554 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 78 Resp: 367087
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

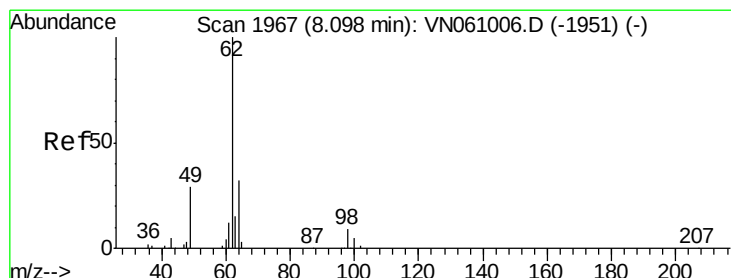
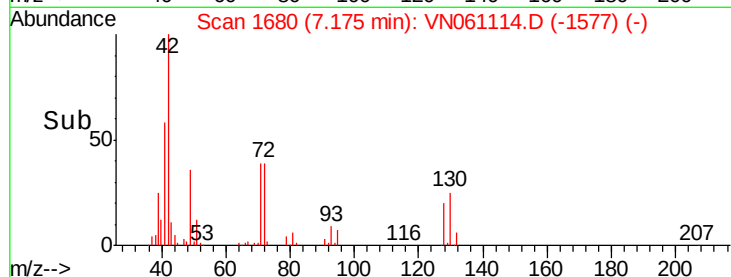
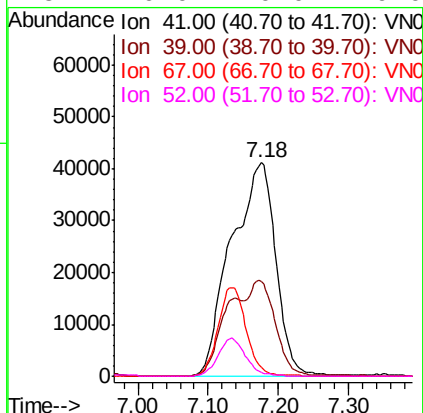
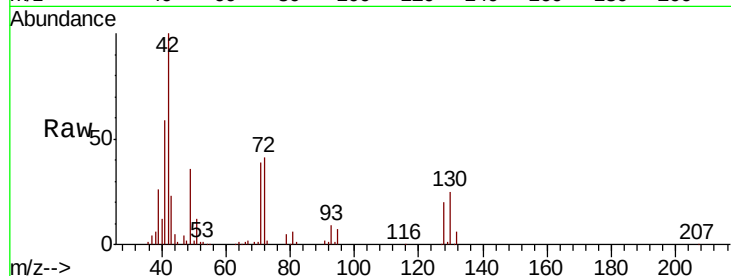




#41
Methacrylonitrile
Concen: 153.496 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

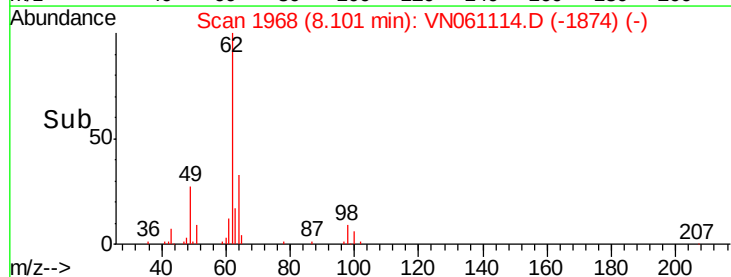
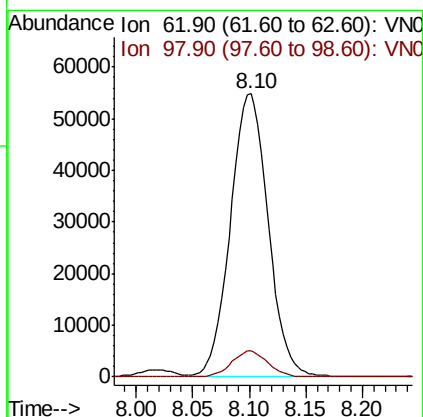
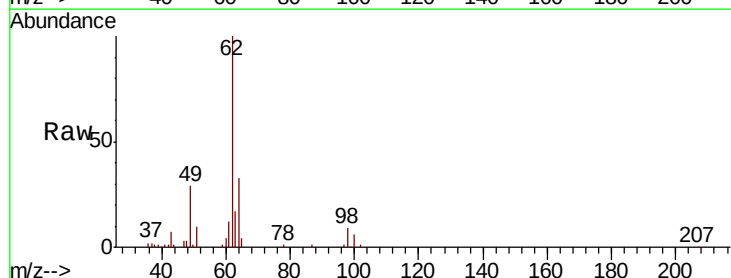
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

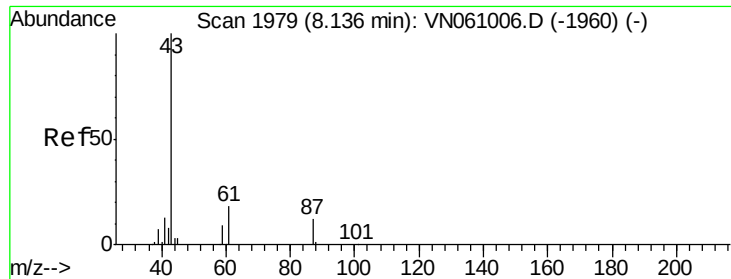
Tot Ion:	41	Resp:	180892
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 48.187 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion:	62	Resp:	126715
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 45.410 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

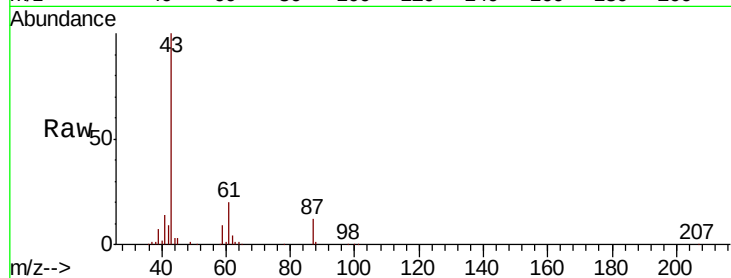
Tot Ion: 43 Resp: 208666

Ion Ratio Lower Upper

43 100

61 25.8 20.3 30.5

87 11.8 9.4 14.2

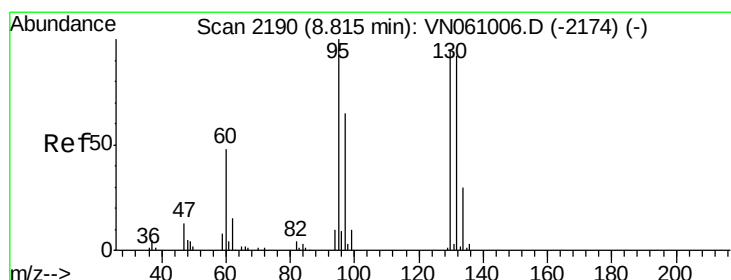
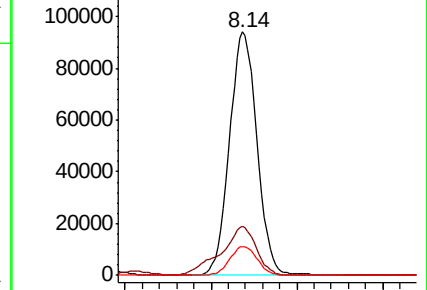
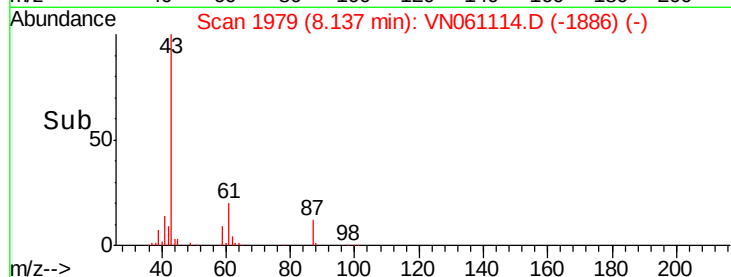


Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN061006.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN061006.D (-1960) (-)

8.14



#44

Trichloroethene

Concen: 47.085 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061114.D

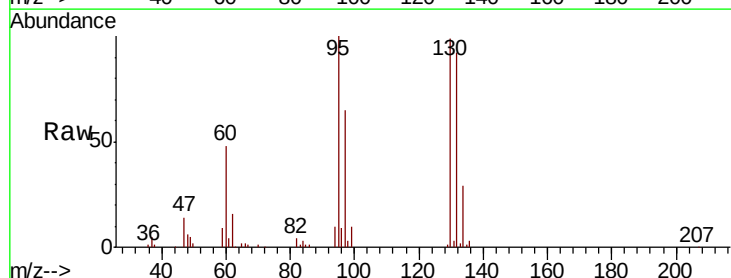
Acq: 20 Apr 2020 20:01

Tgt Ion: 130 Resp: 91330

Ion Ratio Lower Upper

130 100

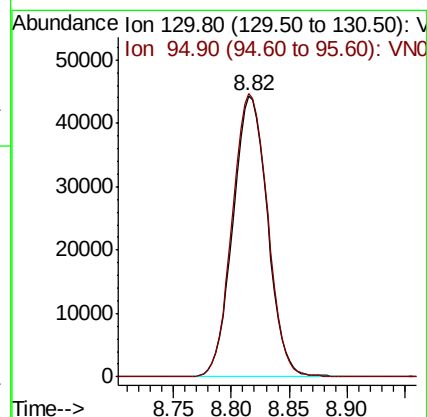
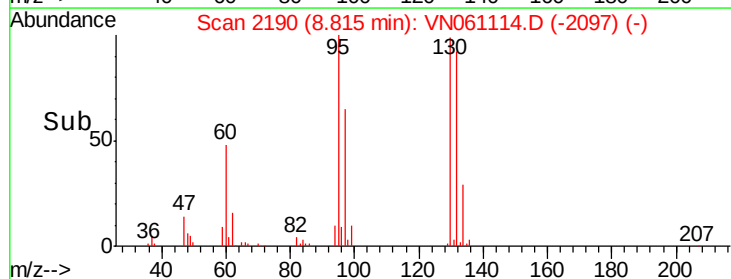
95 100.7 0.0 210.0

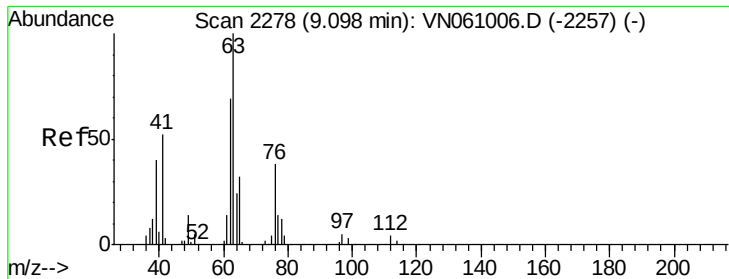


Abundance Ion 129.80 (129.50 to 130.50): VN061006.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN061006.D (-2174) (-)

8.82

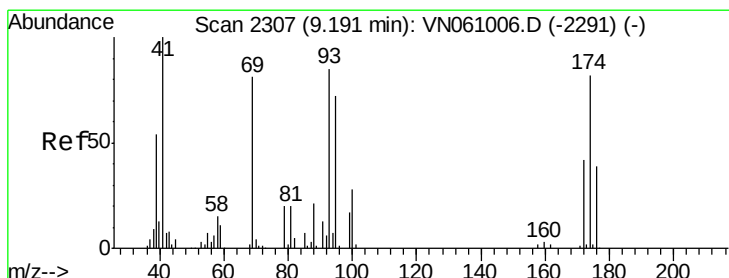
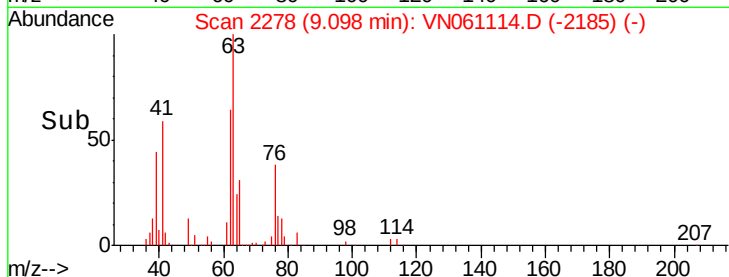
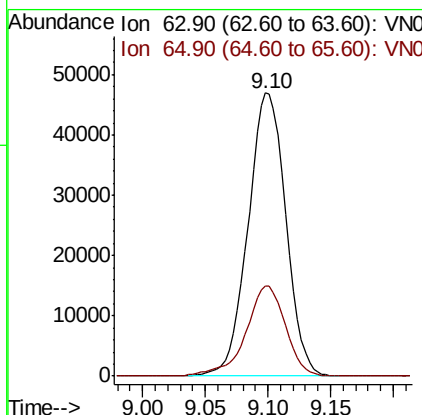
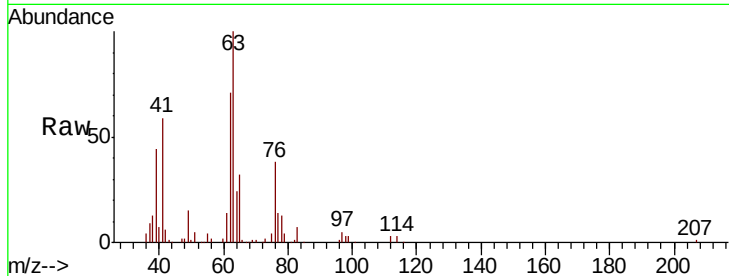




#45
 1,2-Dichloropropane
 Concen: 47.210 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

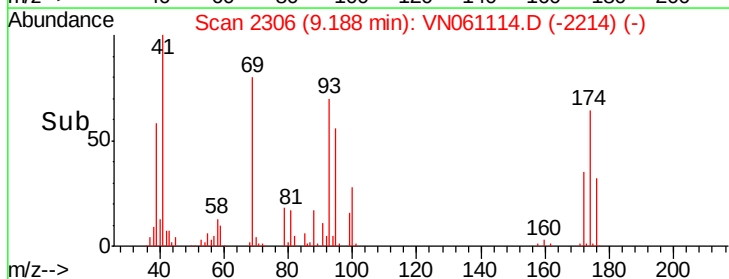
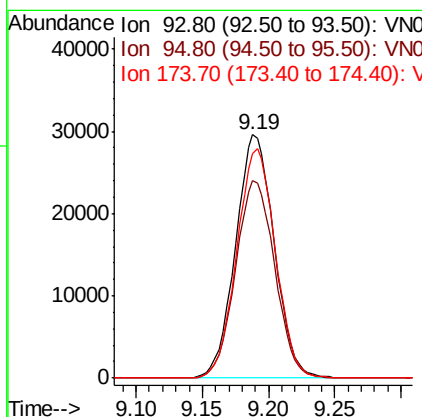
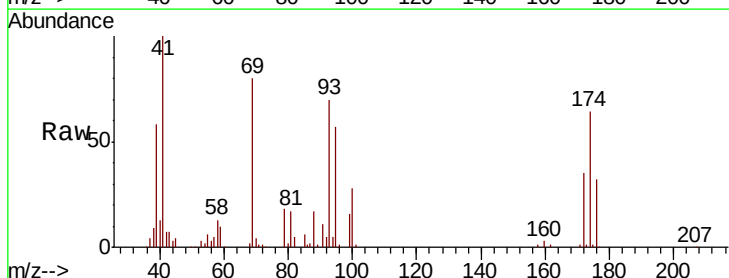
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

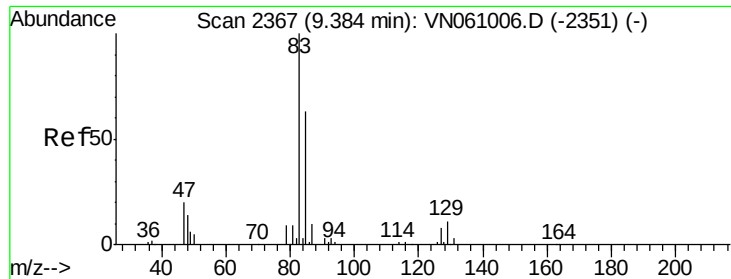
Tot Ion: 63 Resp: 98435
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8



#46
 Dibromomethane
 Concen: 50.023 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 93 Resp: 60135
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.8 100.2
 174 93.8 76.2 114.4

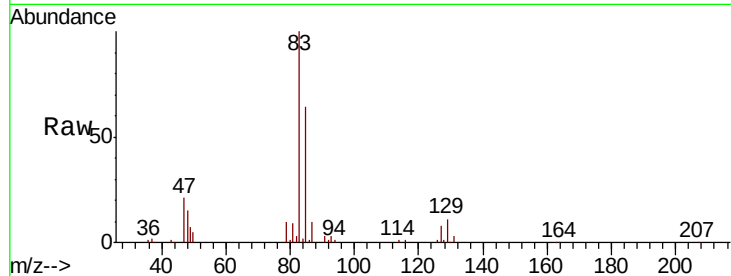




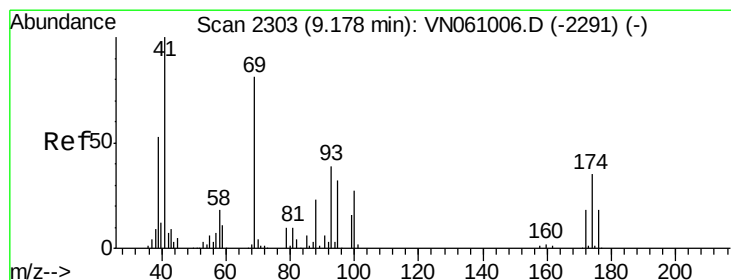
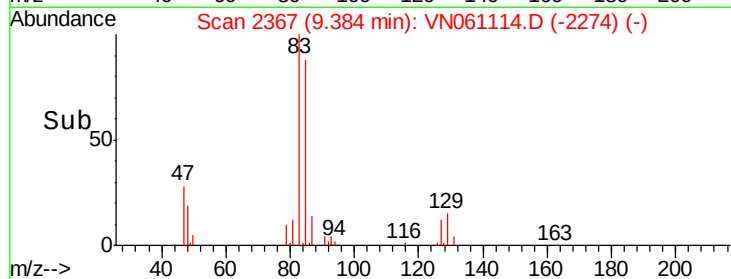
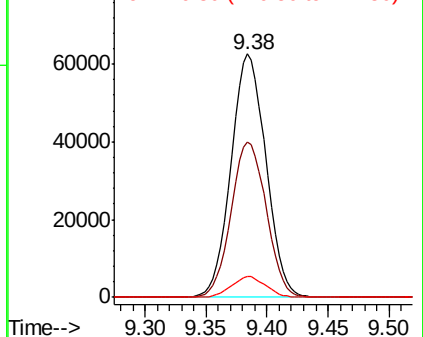
#47
 Bromodichloromethane
 Concen: 48.920 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

Tot Ion: 83 Resp: 124237
 Ion Ratio Lower Upper
 83 100
 85 63.9 50.6 76.0
 127 8.4 6.1 9.1

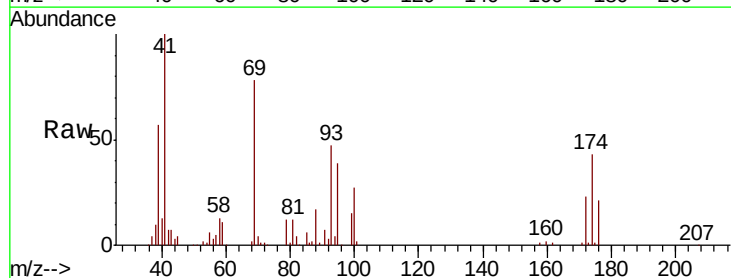


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

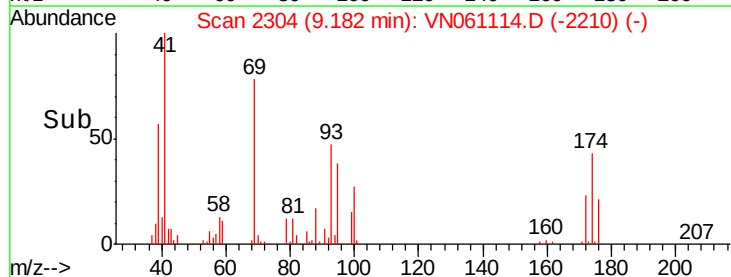
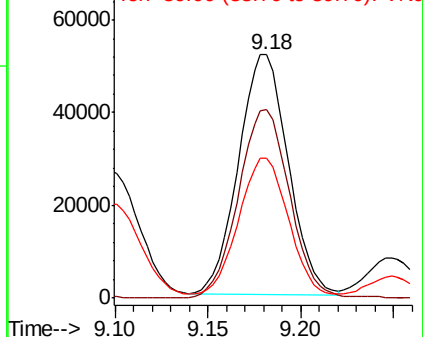


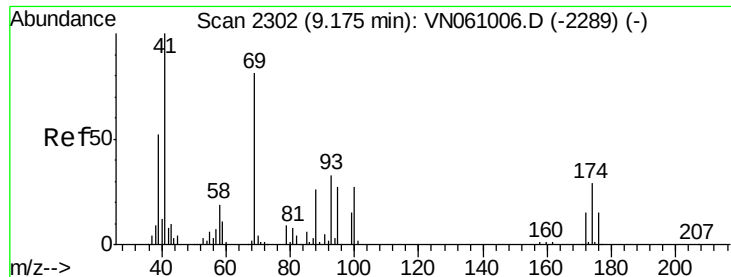
#48
 Methyl methacrylate
 Concen: 47.573 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 41 Resp: 96608
 Ion Ratio Lower Upper
 41 100
 69 81.0 65.3 97.9
 39 59.7 45.2 67.8



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

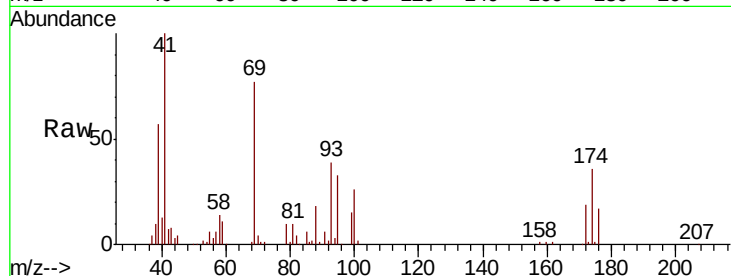




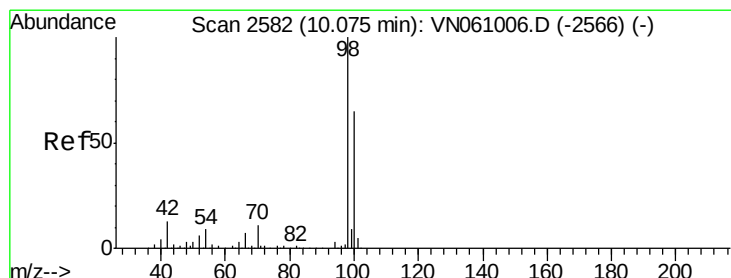
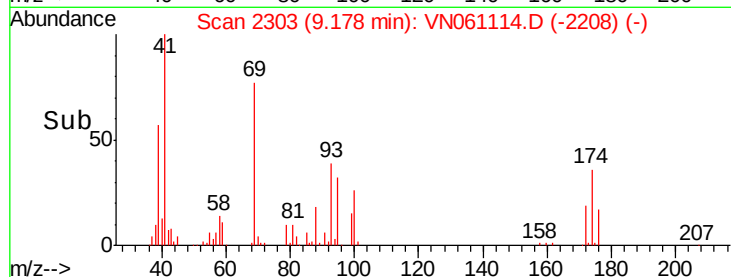
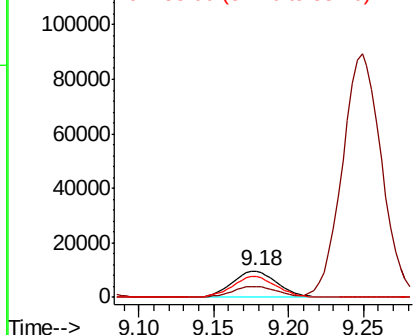
#49
1,4-Dioxane
Concen: 713.925 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

Tot Ion: 88 Resp: 20018
Ion Ratio Lower Upper
88 100
43 40.6 30.9 46.3
58 78.2 59.8 89.8

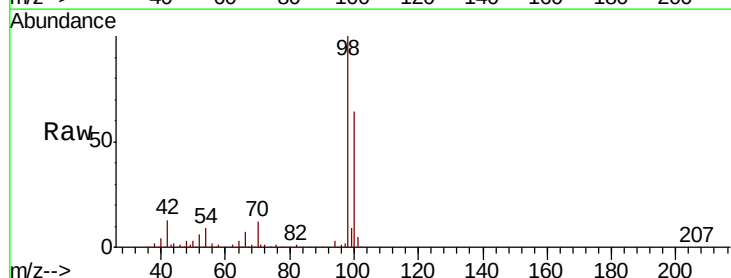


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

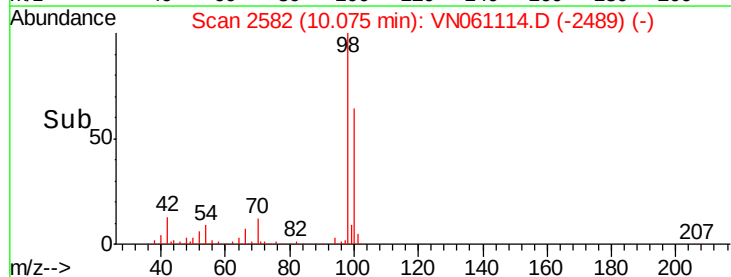
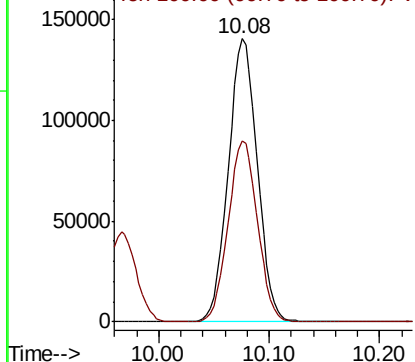


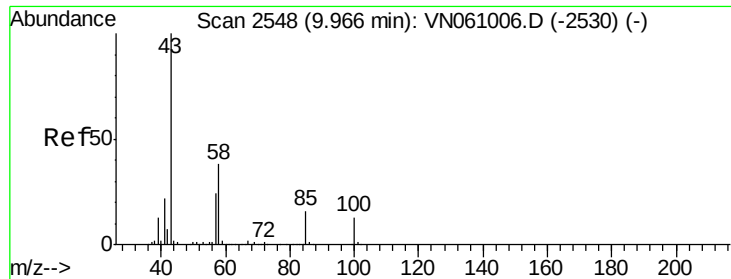
#50
Toluene-d8
Concen: 46.150 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 98 Resp: 256806
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



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

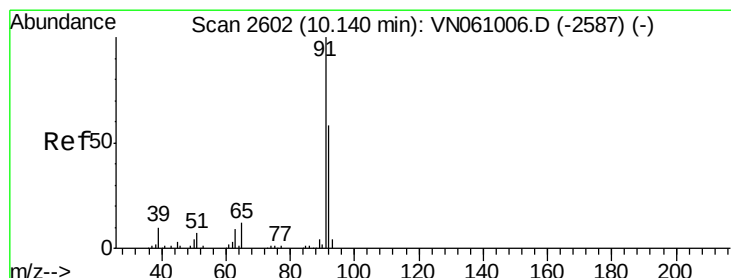
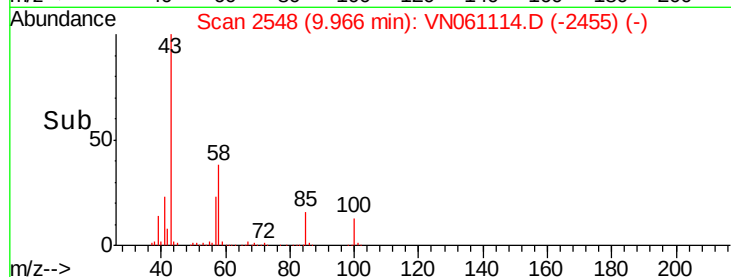
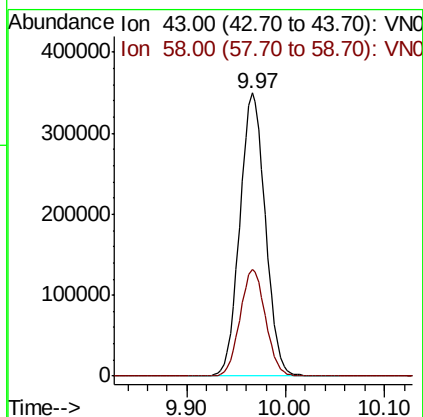
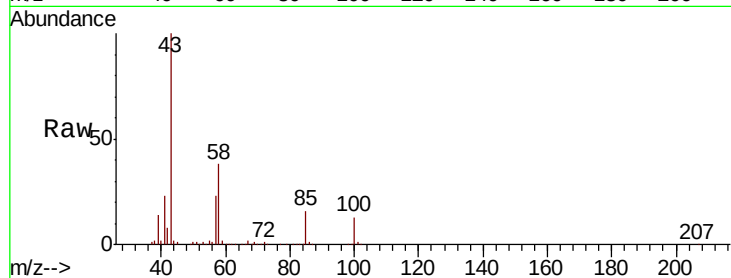




#51
 4-Methyl-2-Pentanone
 Concen: 236.293 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

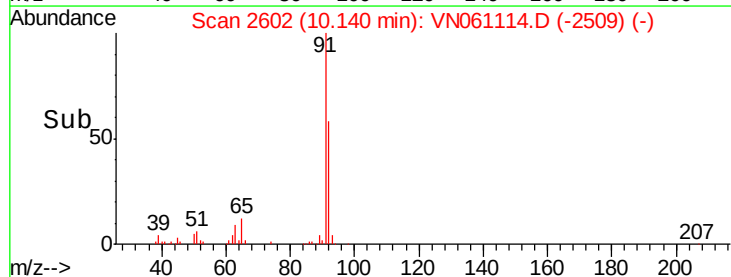
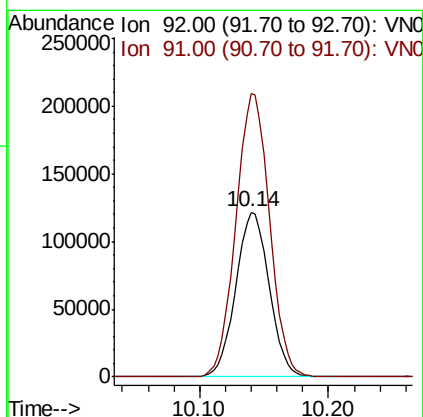
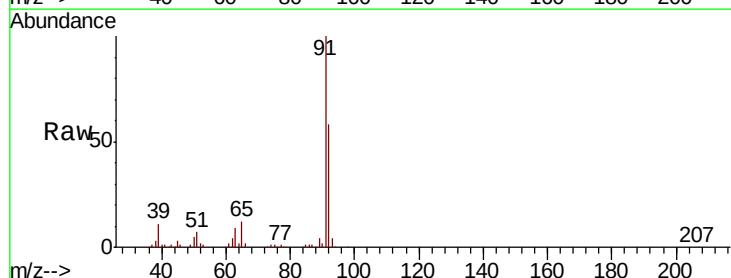
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

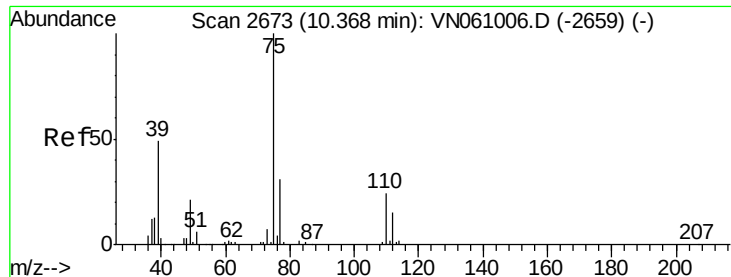
Tot Ion: 43 Resp: 625934
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.3 45.5



#52
 Toluene
 Concen: 47.212 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 92 Resp: 218638
 Ion Ratio Lower Upper
 92 100
 91 174.0 137.7 206.5

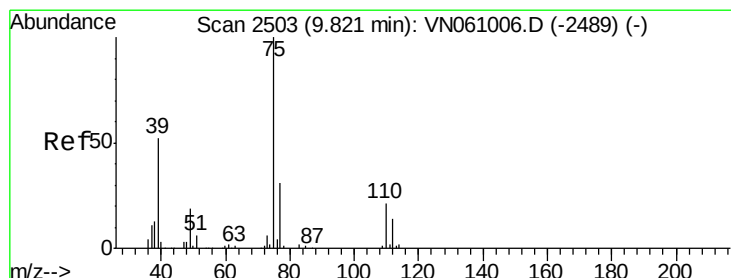
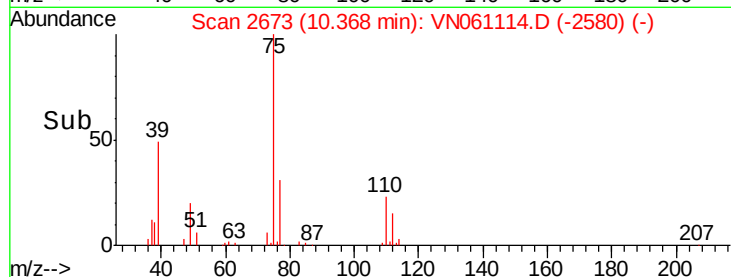
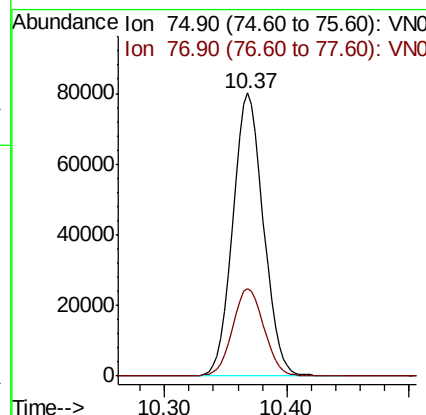
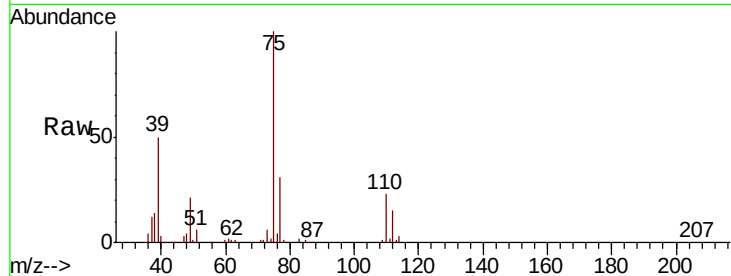




#53
t-1,3-Dichloropropene
Concen: 47.477 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

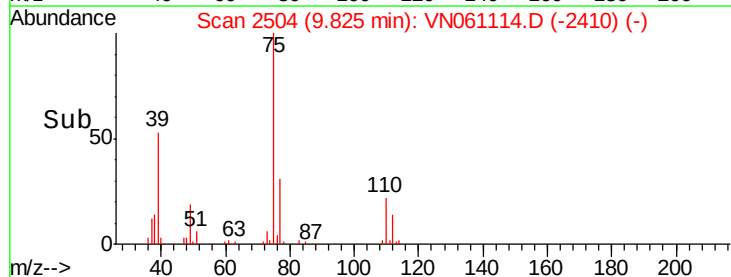
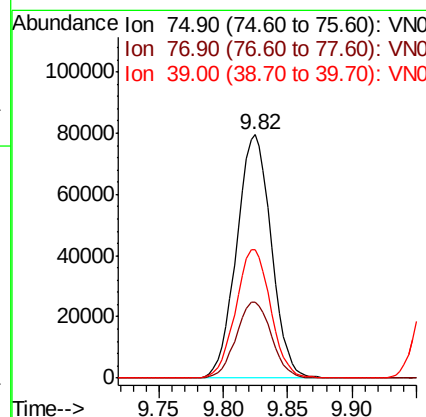
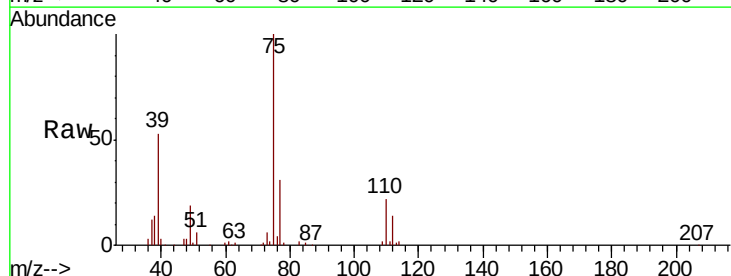
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

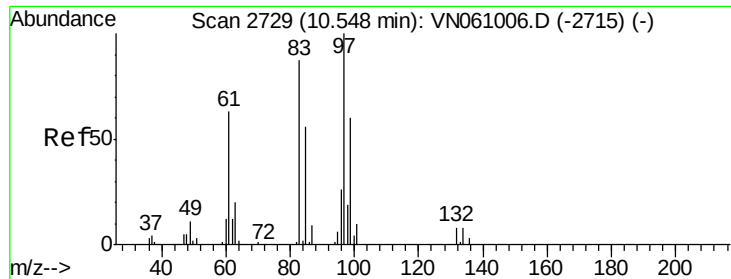
Tot Ion: 75 Resp: 140053
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 46.156 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 75 Resp: 148560
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6
39 52.9 41.4 62.2

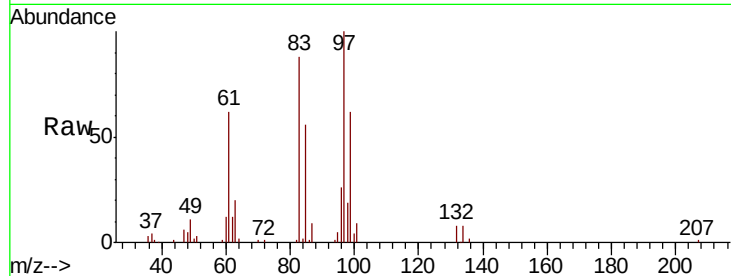




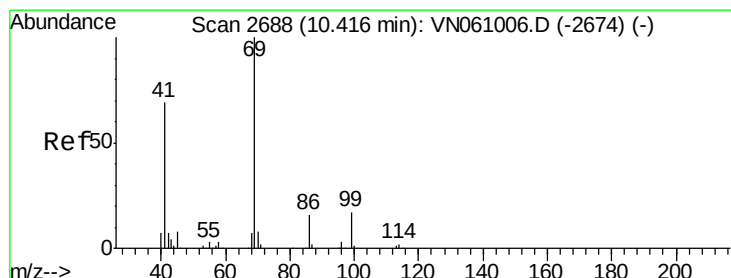
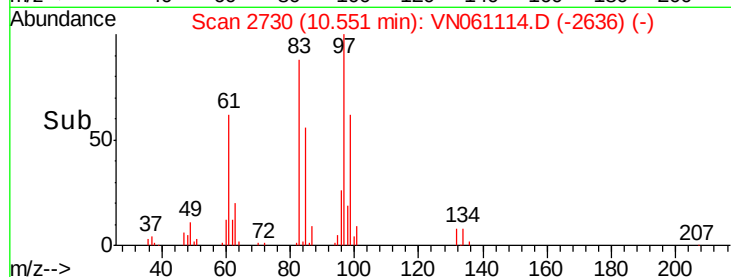
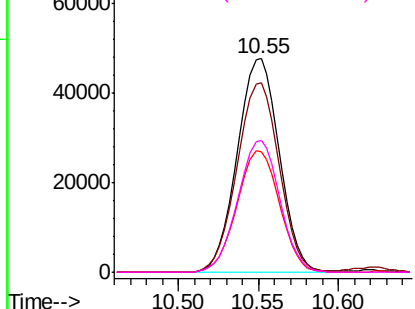
#55
 1,1,2-Trichloroethane
 Concen: 48.768 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

Tot Ion: 97 Resp: 85466
 Ion Ratio Lower Upper
 97 100
 83 88.4 69.5 104.3
 85 56.5 45.0 67.4
 99 61.8 47.9 71.9

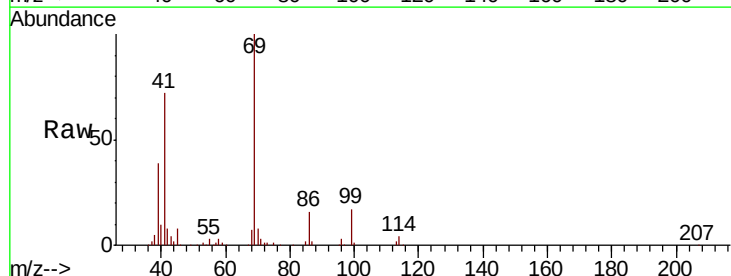


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

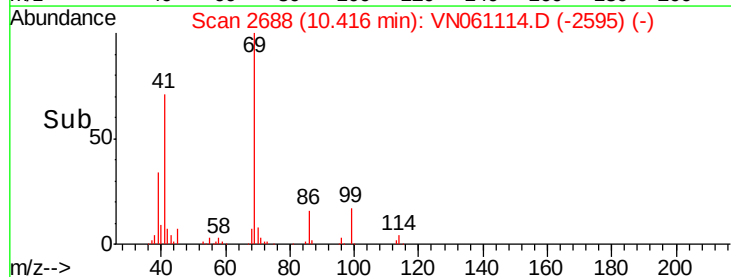
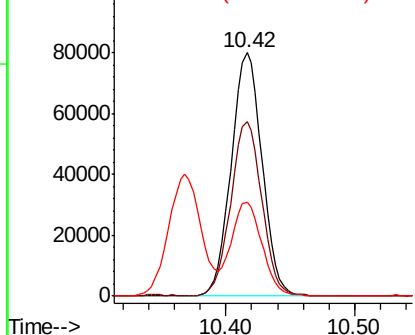


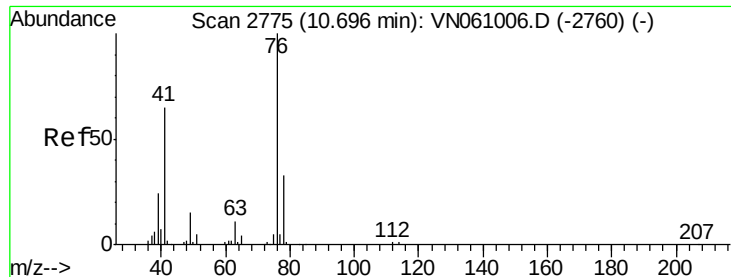
#56
 Ethyl methacrylate
 Concen: 48.332 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 69 Resp: 133192
 Ion Ratio Lower Upper
 69 100
 41 71.5 56.7 85.1
 39 38.4 29.4 44.0



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: 47.498 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

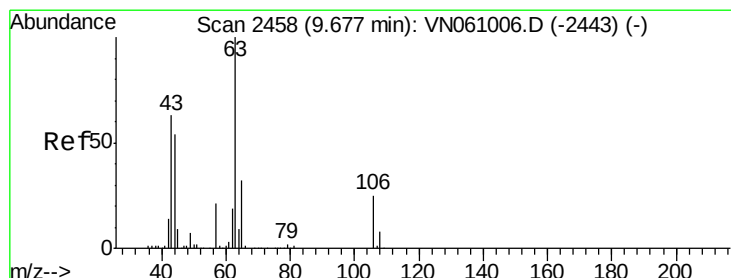
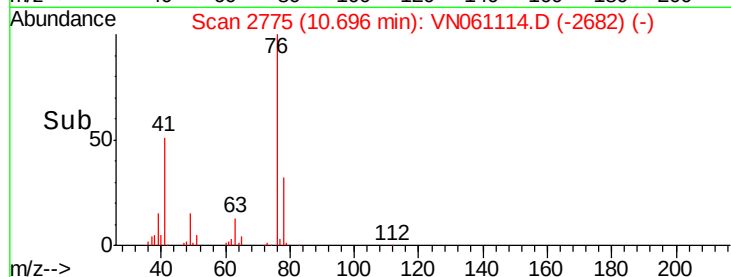
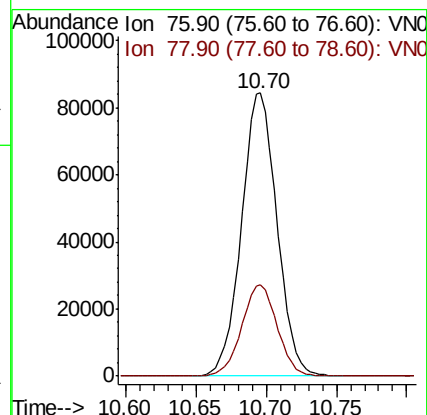
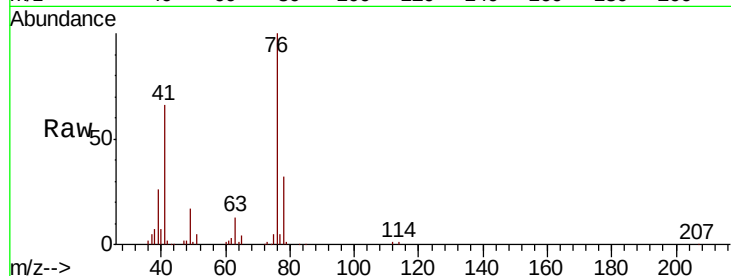
PA-TWP-2MS

Tot Ion: 76 Resp: 148476

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 0.633 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.15 min

Lab File: VN061114.D

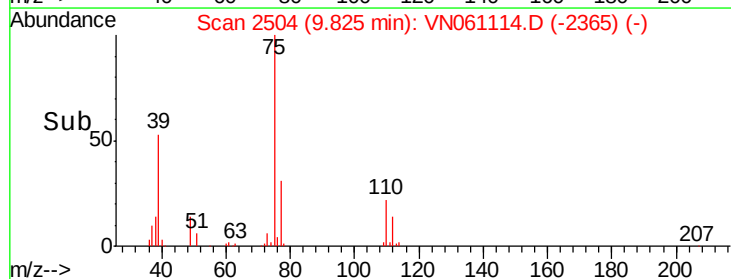
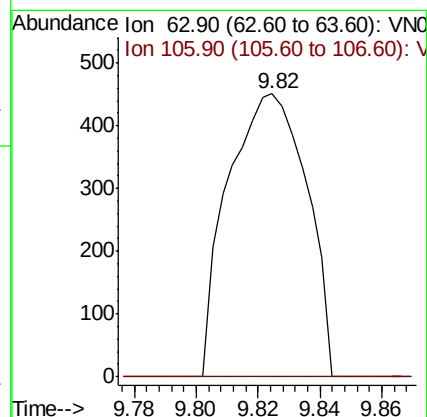
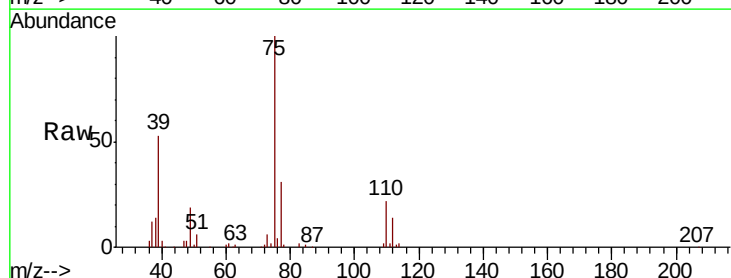
Acq: 20 Apr 2020 20:01

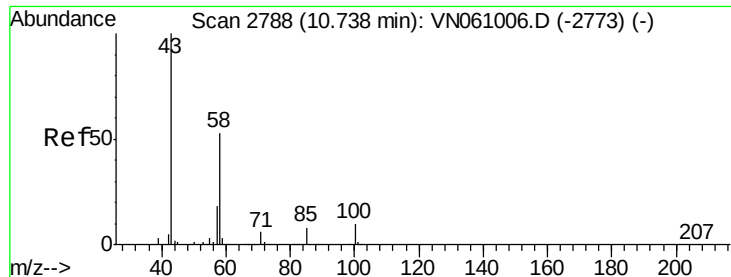
Tgt Ion: 63 Resp: 793

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#

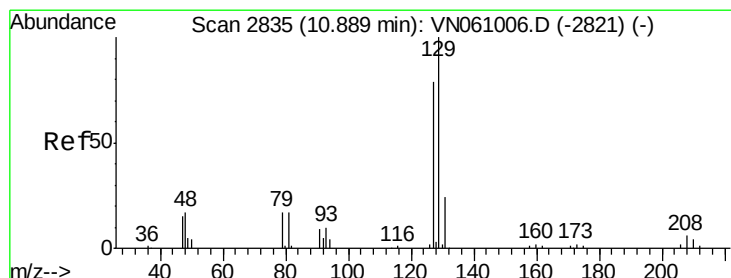
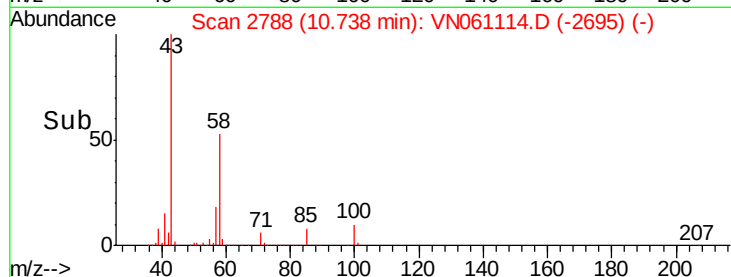
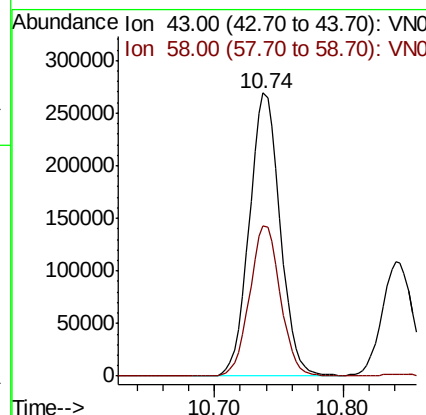
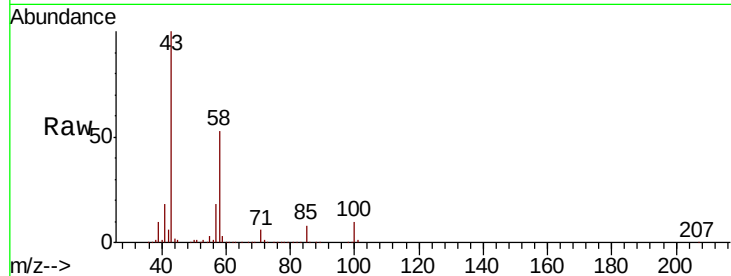




#59
2-Hexanone
Concen: 234.643 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

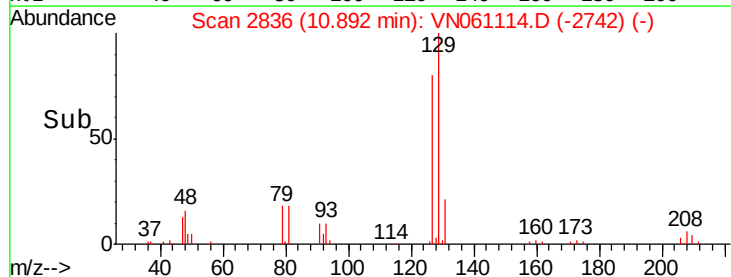
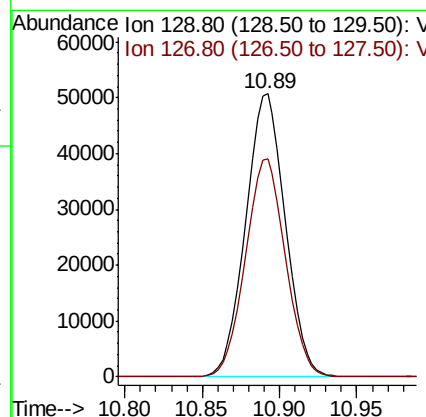
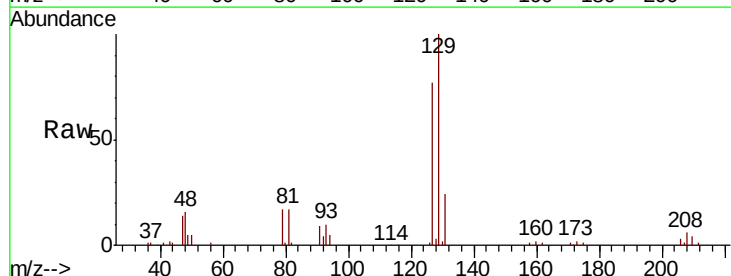
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

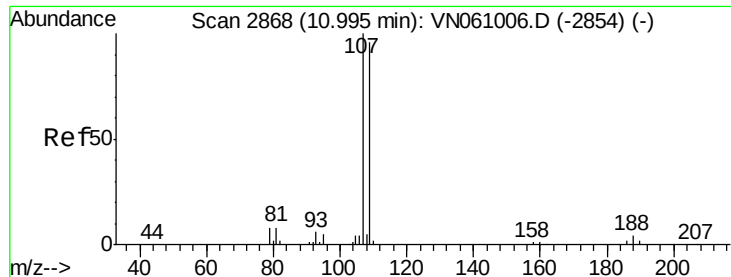
Tot Ion: 43 Resp: 448257
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 50.240 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 129 Resp: 90446
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9

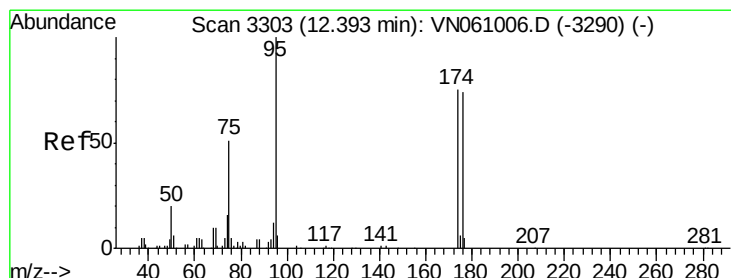
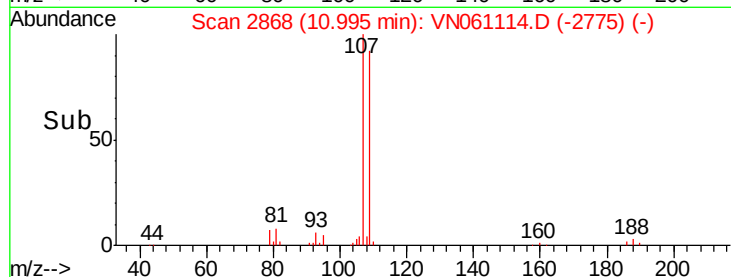
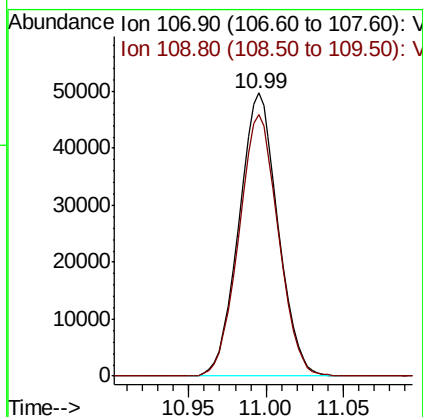
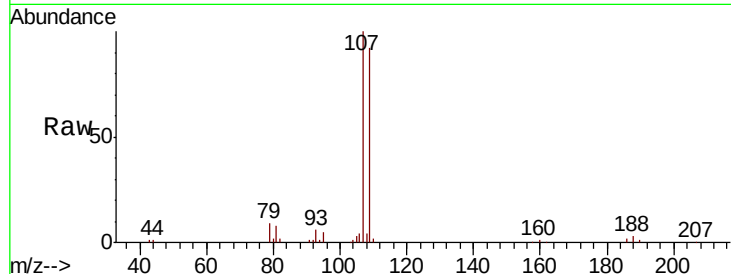




#61
 1,2-Dibromoethane
 Concen: 48.700 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

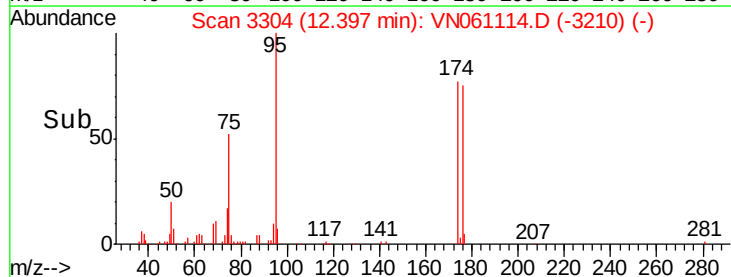
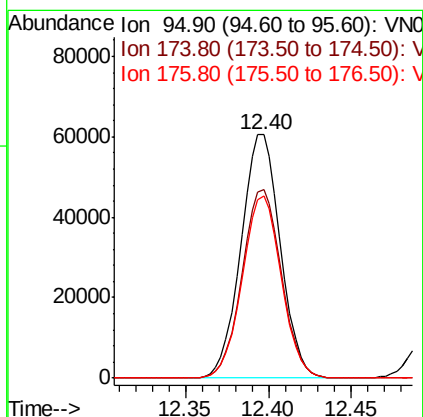
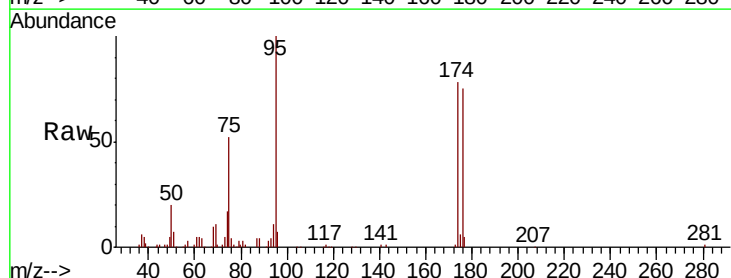
Instrument :
 MSVOA_N
 ClientSampled :
 PA-TWP-2MS

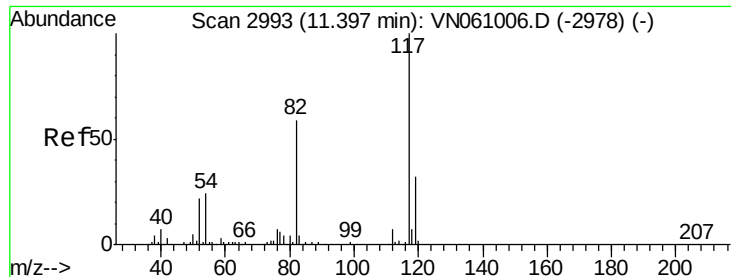
Tot Ion:107 Resp: 86968
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.674 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 95 Resp: 99611
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 151.2
 176 74.5 0.0 148.2

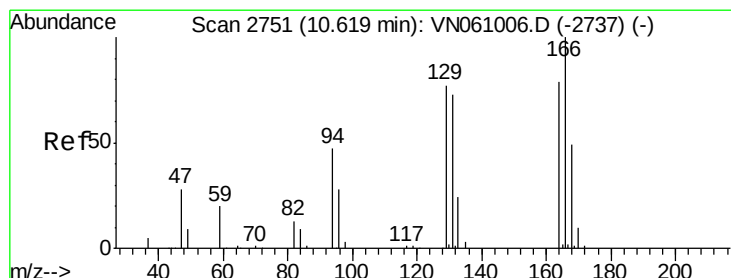
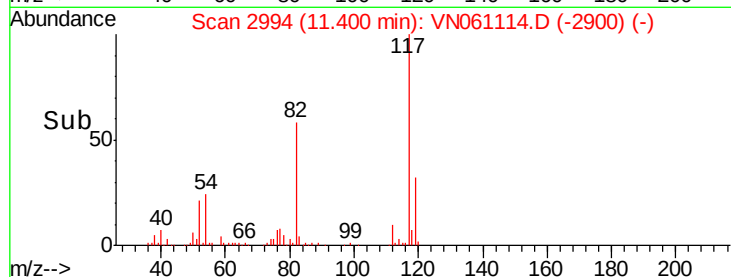
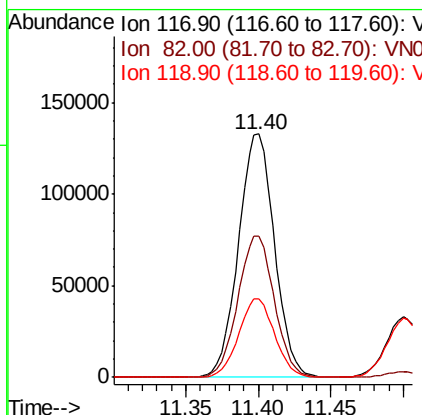
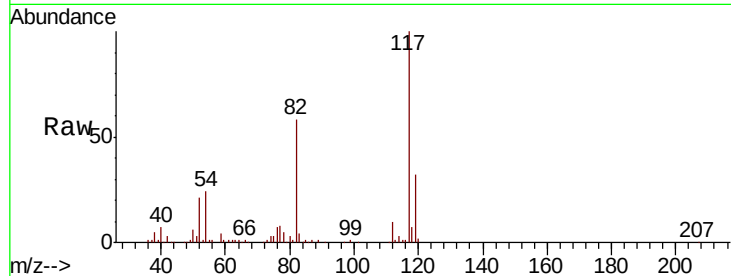




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

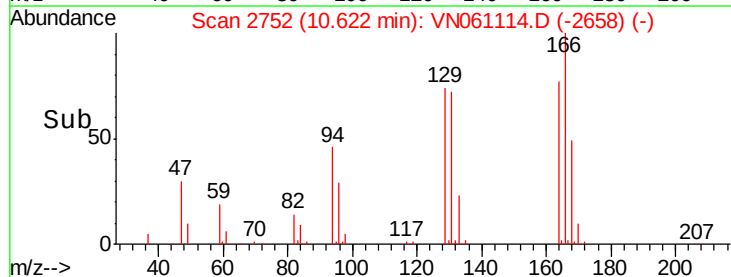
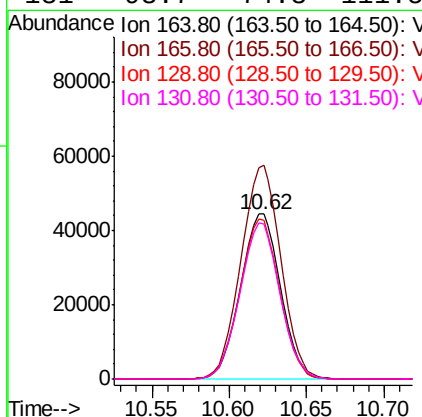
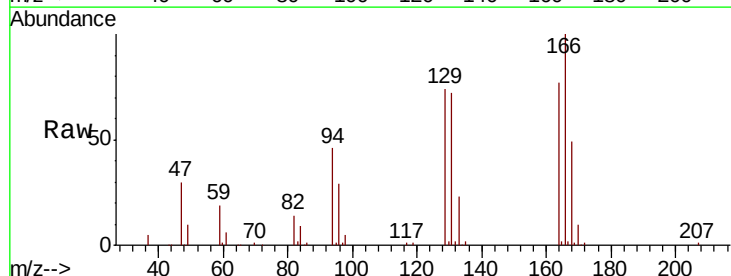
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

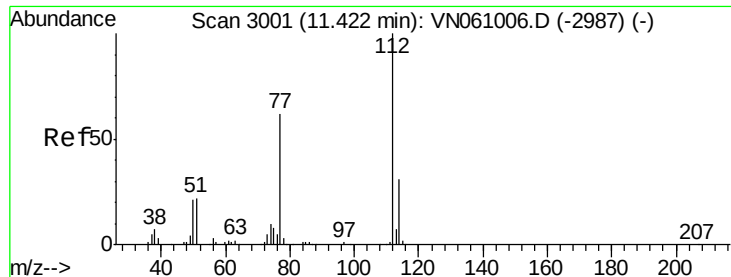
Tot Ion:117 Resp: 229279
Ion Ratio Lower Upper
117 100
82 57.8 47.1 70.7
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 45.593 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion:164 Resp: 79991
Ion Ratio Lower Upper
164 100
166 129.6 101.6 152.4
129 96.1 78.5 117.7
131 93.7 74.3 111.5

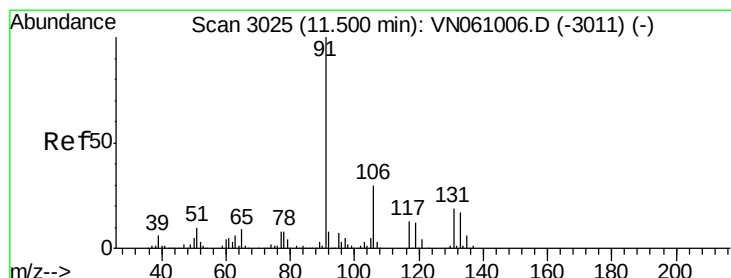
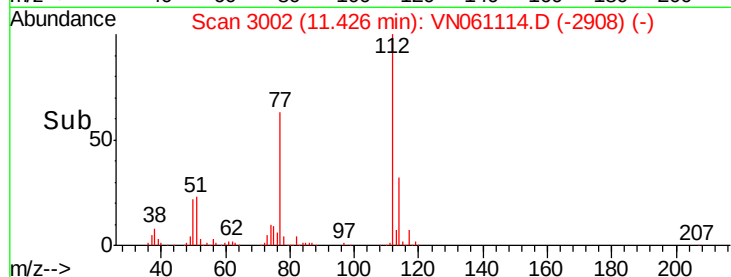
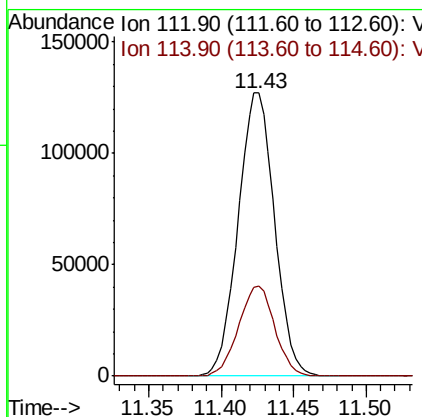
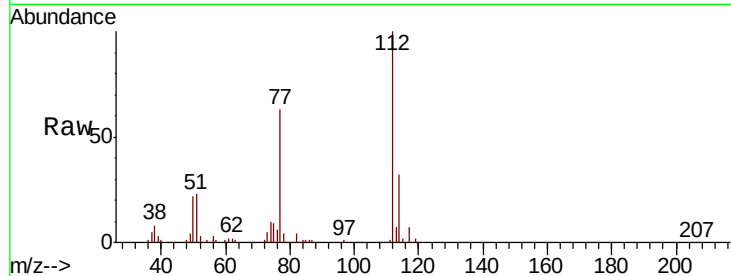




#65
Chlorobenzene
Concen: 46.832 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

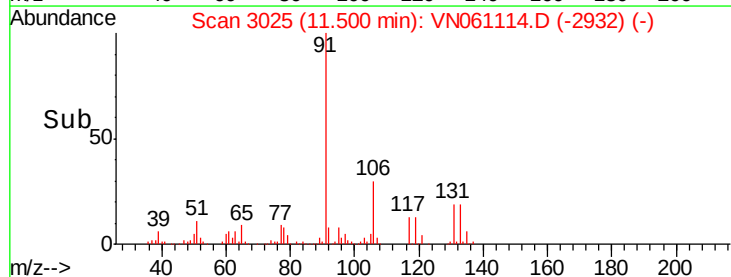
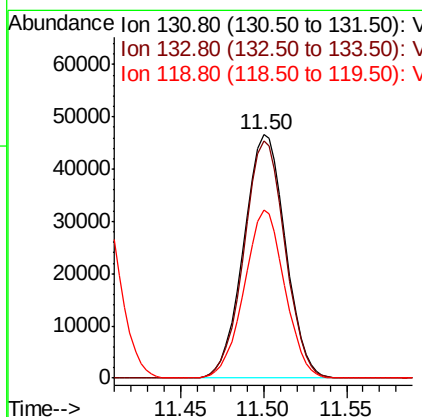
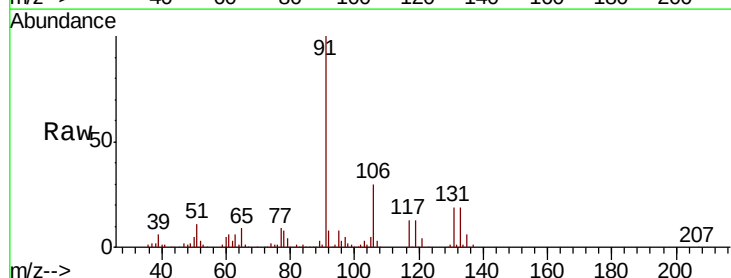
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

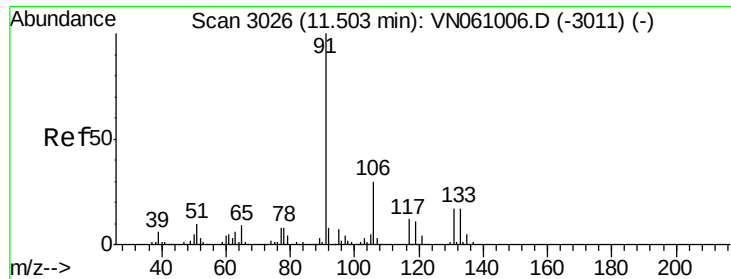
Tot Ion:112 Resp: 221664
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.177 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion:131 Resp: 81582
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 66.7 33.3 99.8

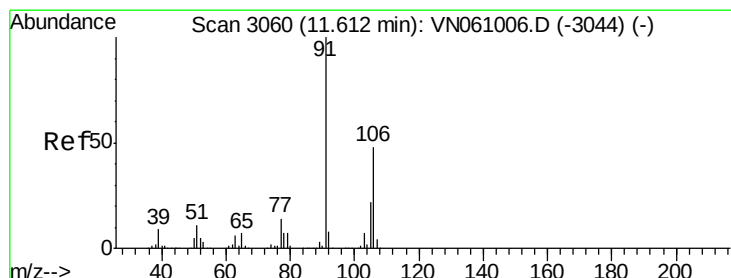
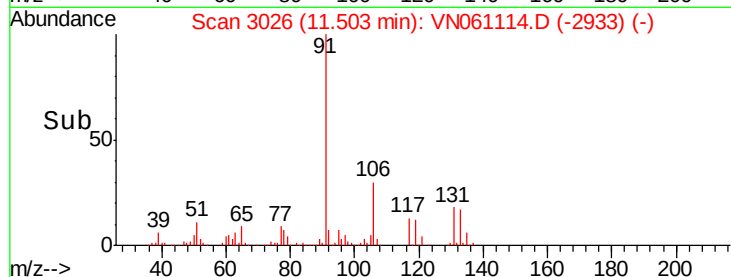
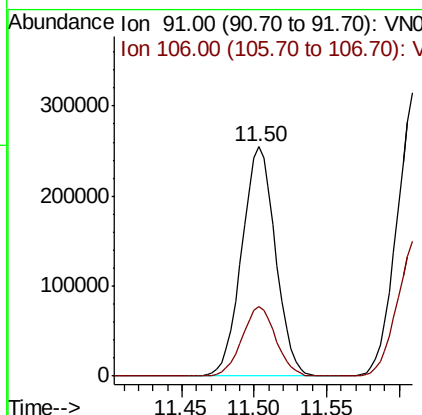
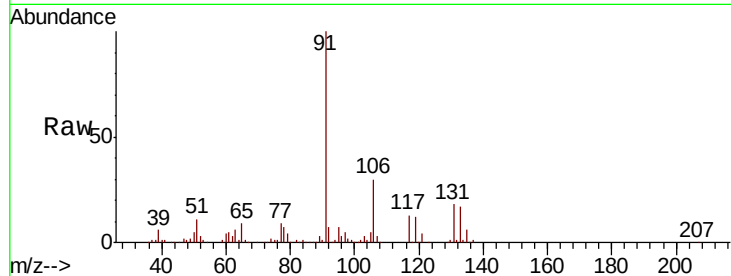




#67
Ethyl Benzene
Concen: 46.262 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

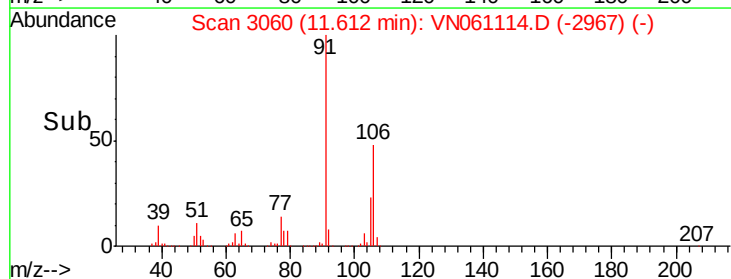
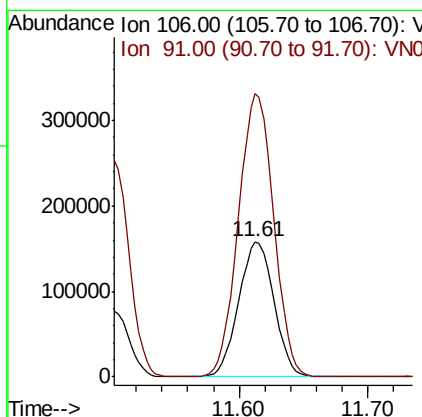
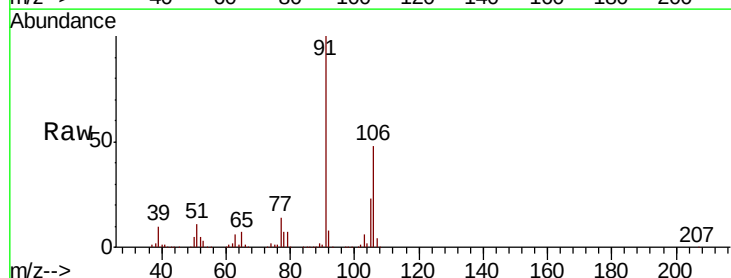
Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2MS

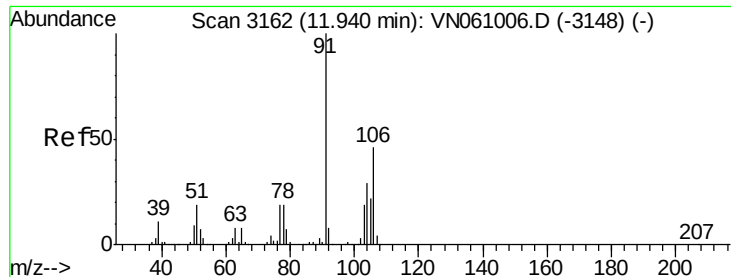
Tot Ion: 91 Resp: 411887
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8



#68
m/p-Xylenes
Concen: 93.678 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion:106 Resp: 301422
Ion Ratio Lower Upper
106 100
91 209.5 167.9 251.9

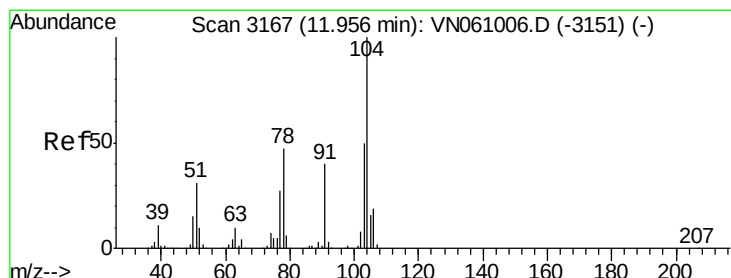
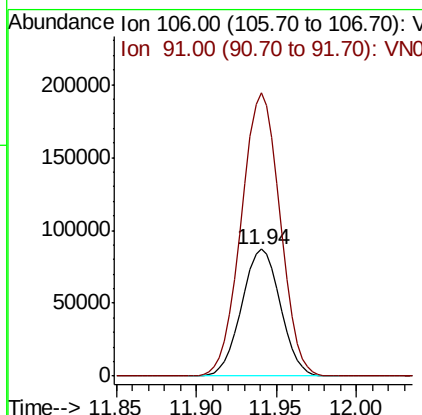
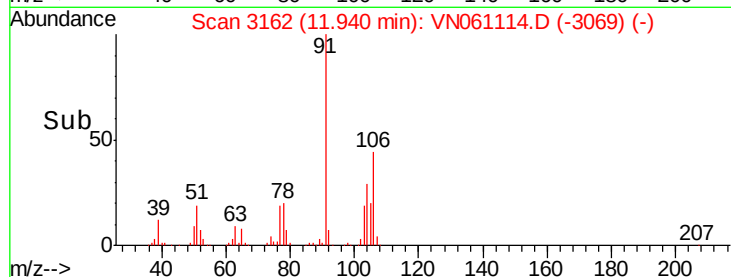
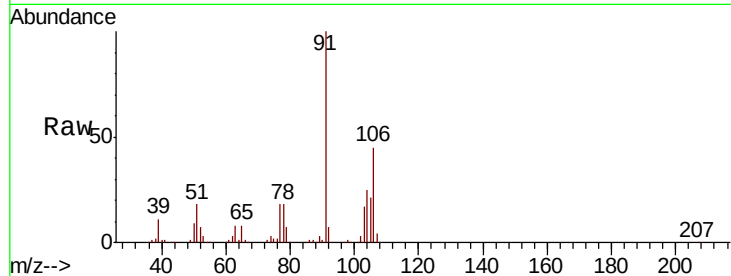




#69
o-Xylene
Concen: 46.558 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

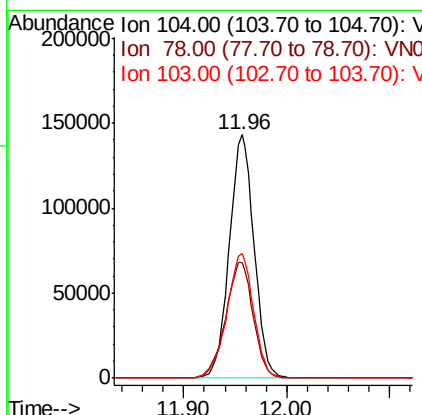
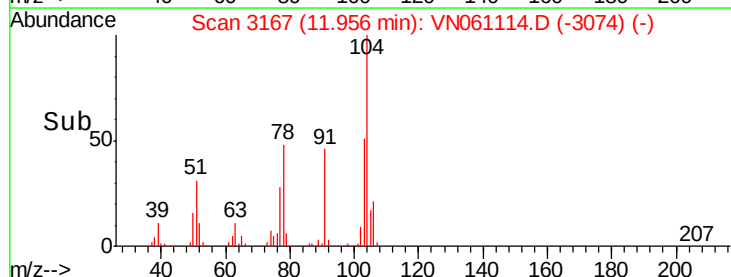
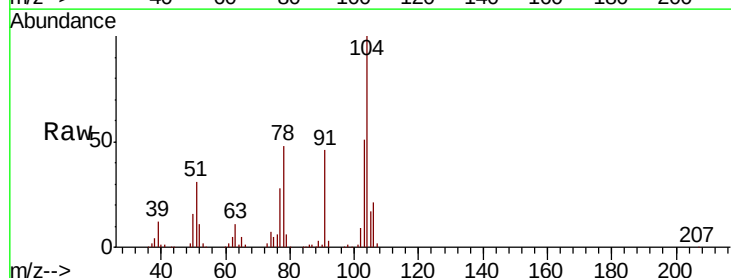
Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2MS

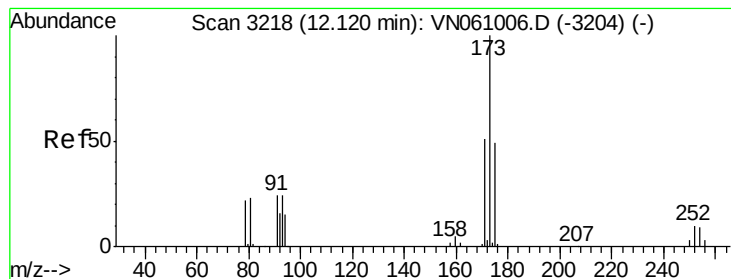
Tot Ion:106 Resp: 144035
Ion Ratio Lower Upper
106 100
91 223.1 110.7 332.1



#70
Styrene
Concen: 48.039 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion:104 Resp: 239258
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.4
103 55.3 44.4 66.6





#71

Bromoform

Concen: 49.653 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

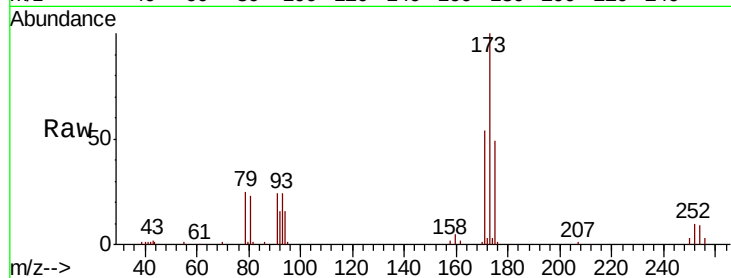
Tot Ion:173 Resp: 62761

Ion Ratio Lower Upper

173 100

175 48.6 24.5 73.5

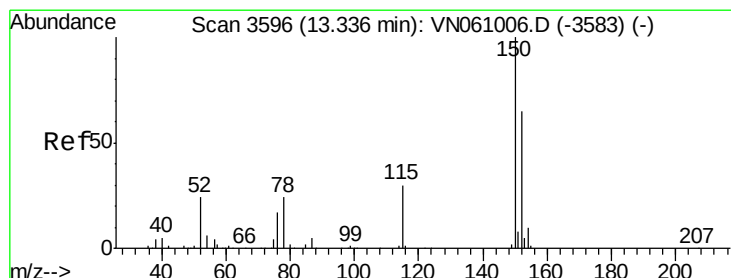
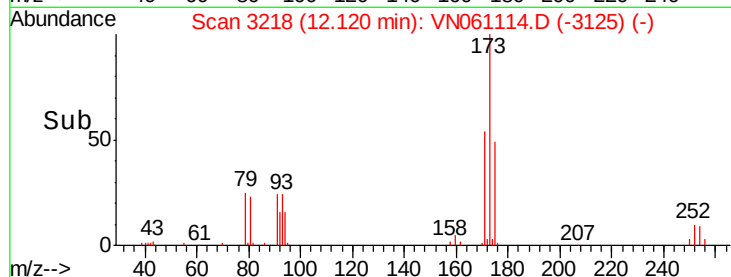
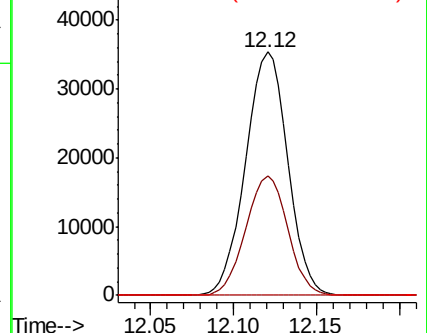
254 0.0 0.0 0.0



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# 3597

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

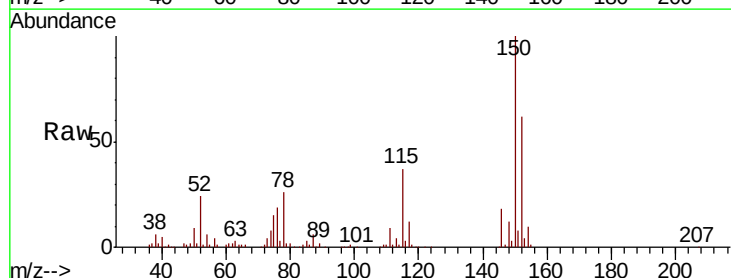
Tgt Ion:152 Resp: 103950

Ion Ratio Lower Upper

152 100

115 60.5 30.8 92.4

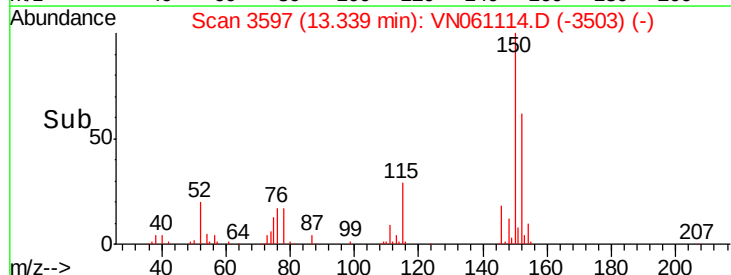
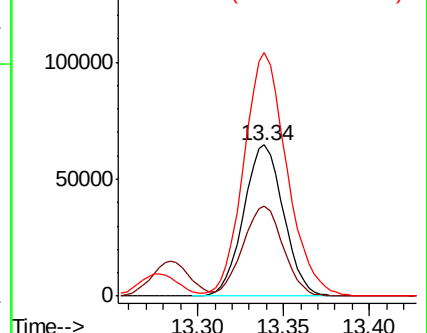
150 173.8 0.0 349.0

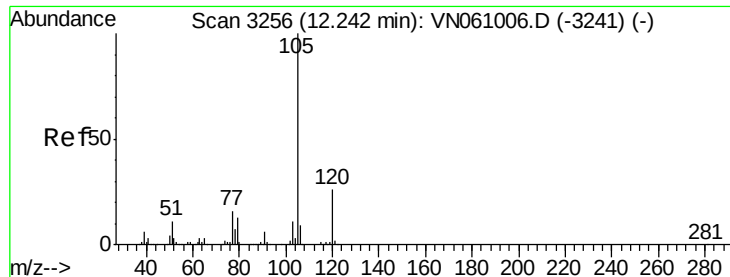


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.618 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

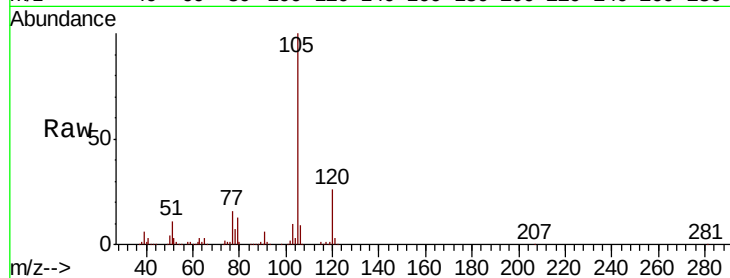
PA-TWP-2MS

Tot Ion:105 Resp: 379904

Ion Ratio Lower Upper

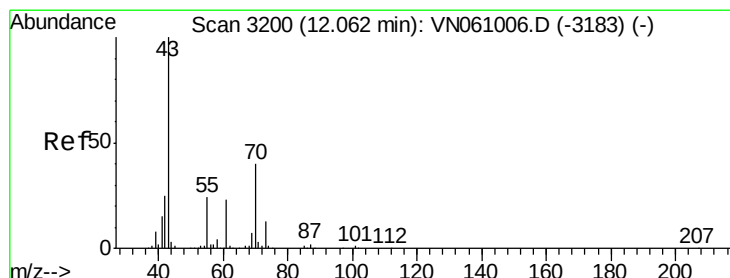
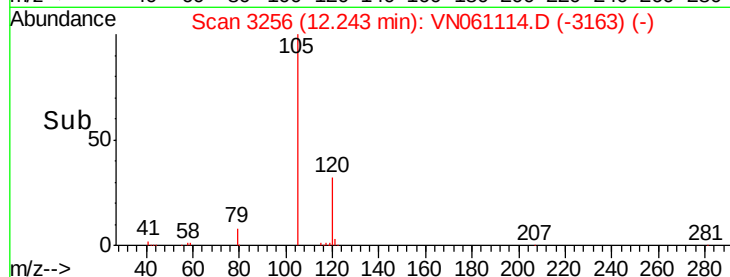
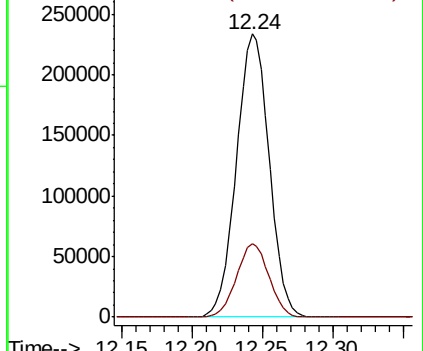
105 100

120 25.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.505 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Tgt Ion: 43 Resp: 176230

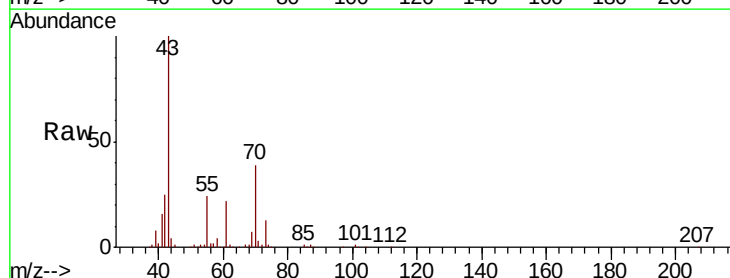
Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.6

55 23.9 18.6 27.8

61 22.6 18.2 27.4

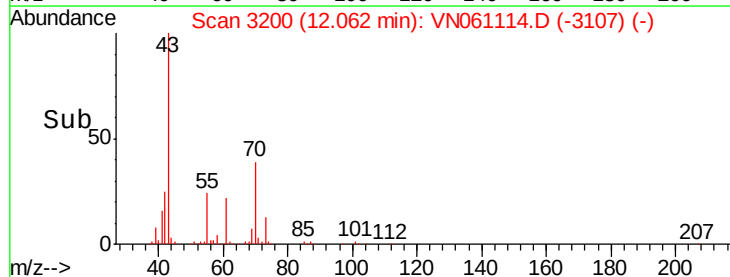
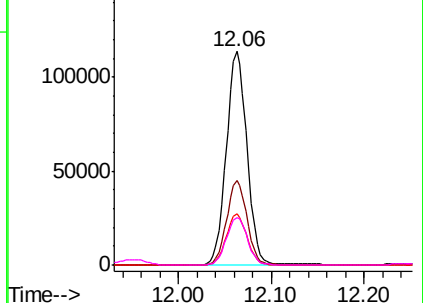


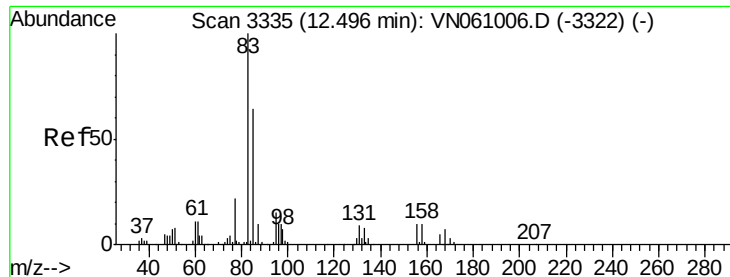
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.442 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

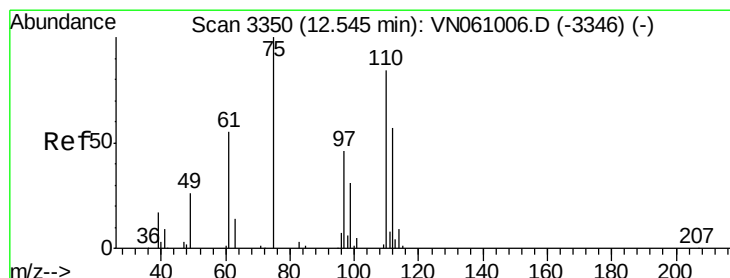
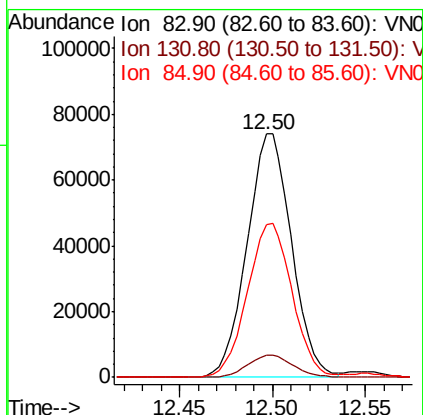
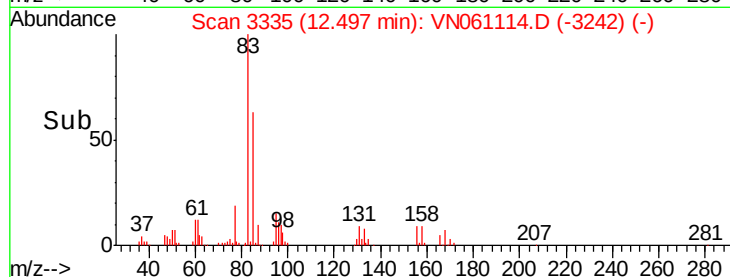
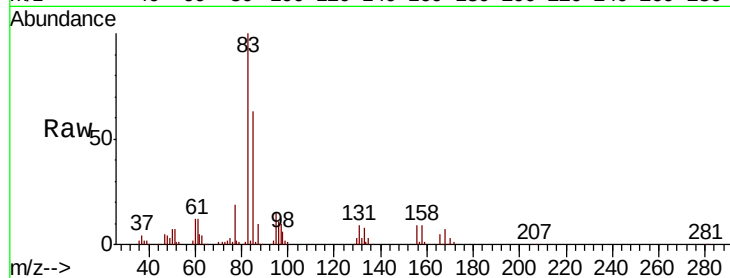
Tot Ion: 83 Resp: 123148

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 63.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 71.886 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061114.D

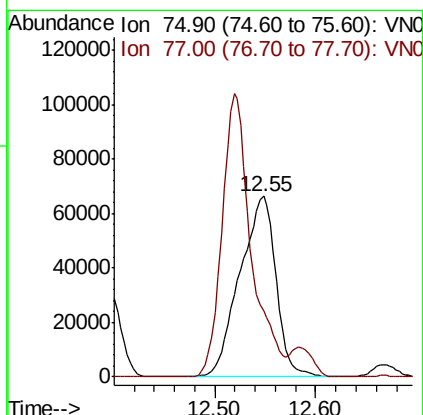
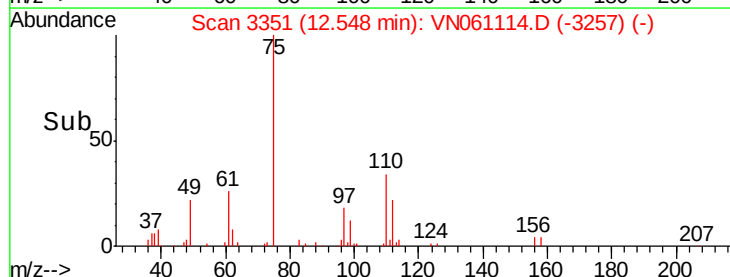
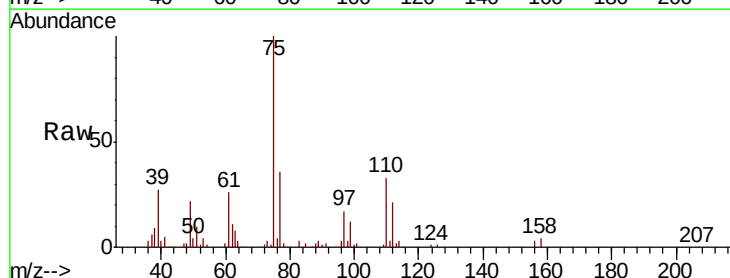
Acq: 20 Apr 2020 20:01

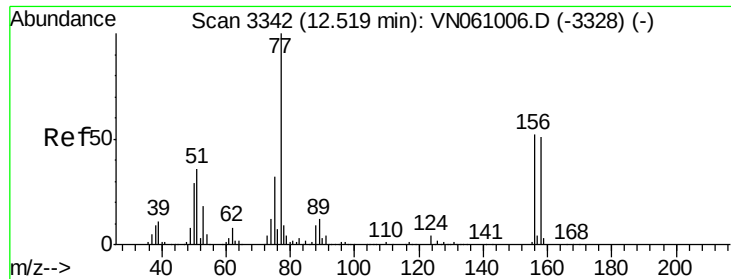
Tgt Ion: 75 Resp: 164365

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.592 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

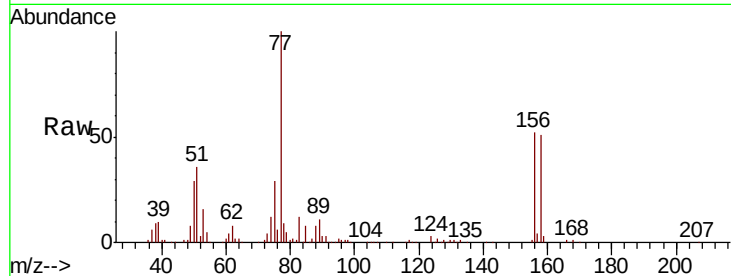
Tot Ion:156 Resp: 92540

Ion Ratio Lower Upper

156 100

77 227.3 115.6 346.8

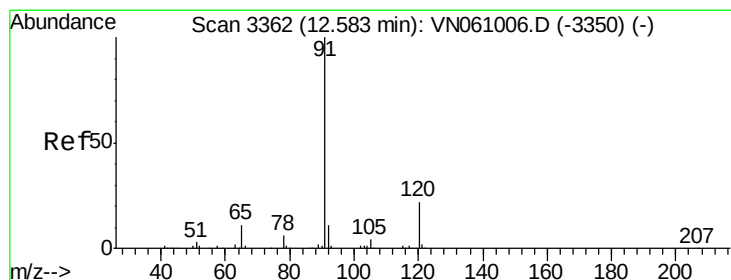
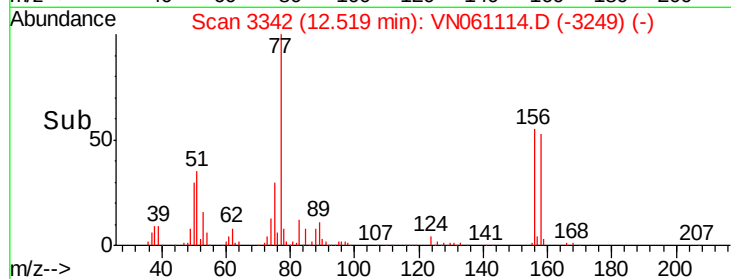
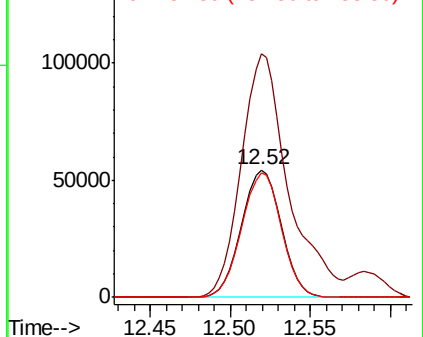
158 97.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.594 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061114.D

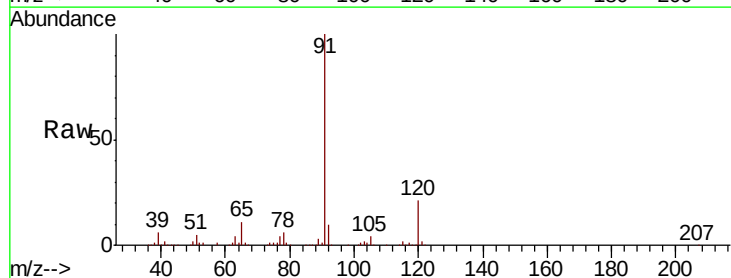
Acq: 20 Apr 2020 20:01

Tgt Ion: 91 Resp: 444248

Ion Ratio Lower Upper

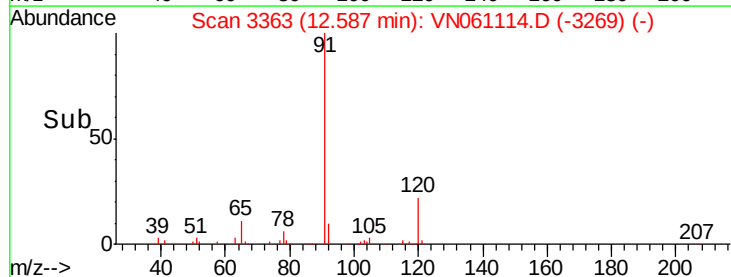
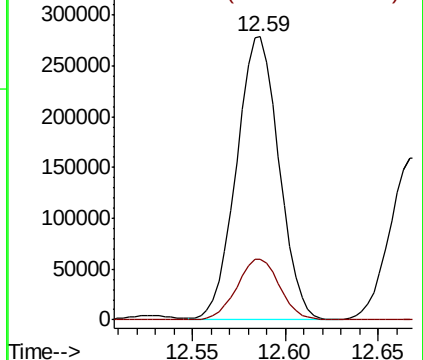
91 100

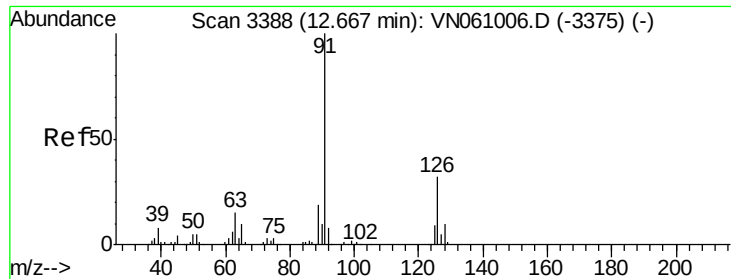
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

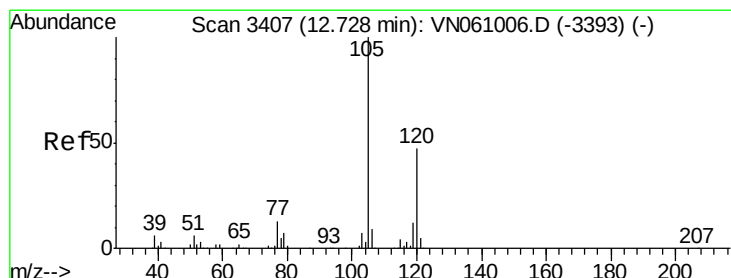
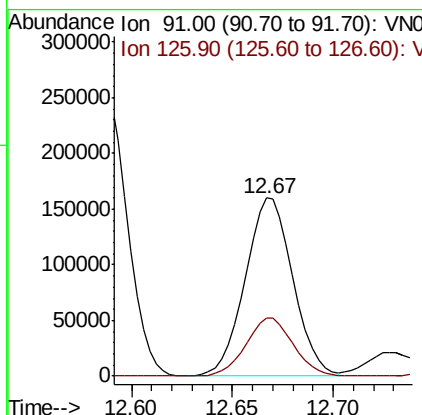
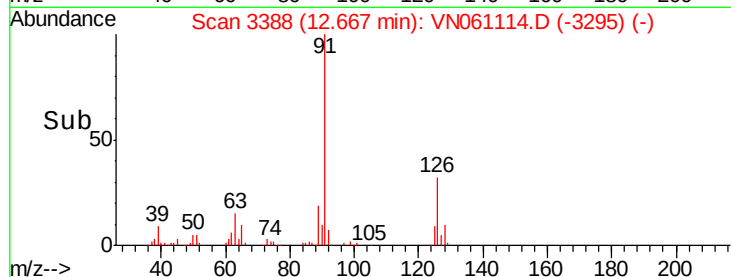
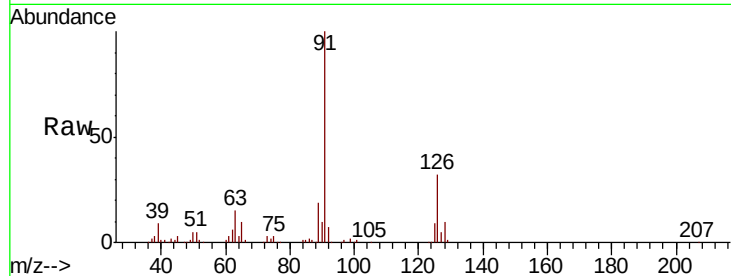




#79
 2-Chlorotoluene
 Concen: 46.113 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

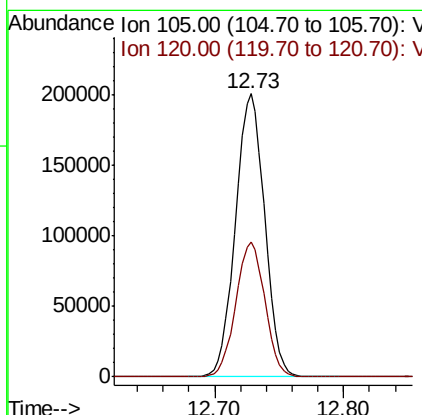
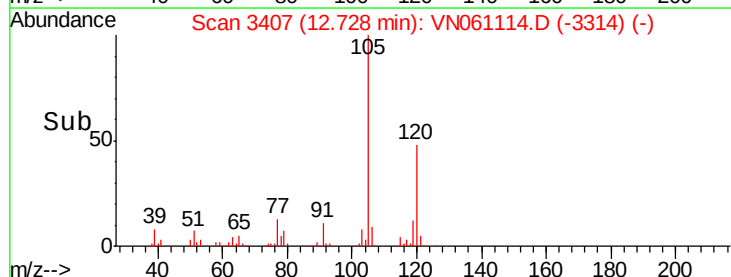
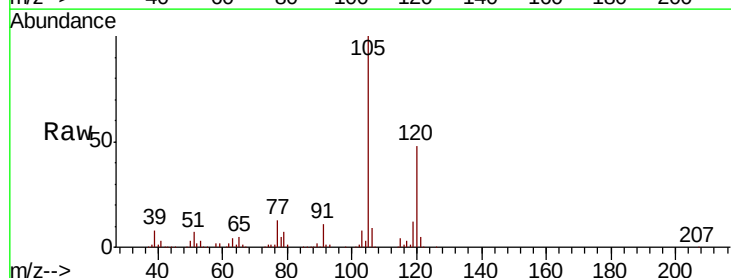
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

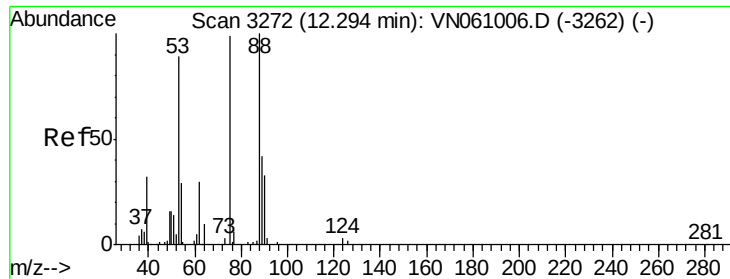
Tot Ion: 91 Resp: 263514
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 45.901 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion: 105 Resp: 315966
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.6 70.8

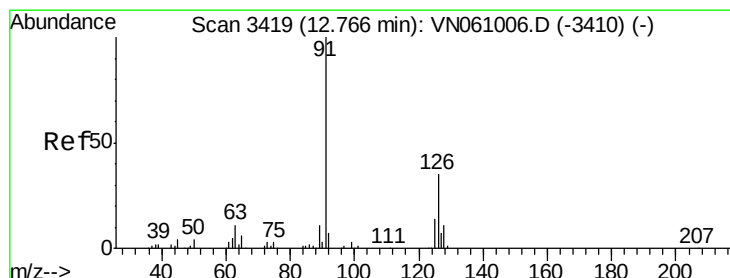
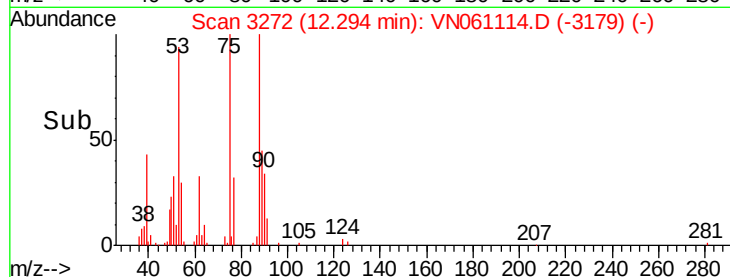
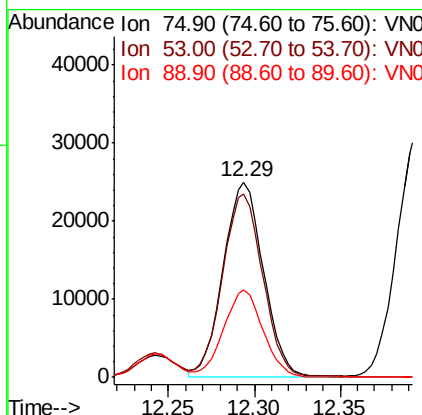
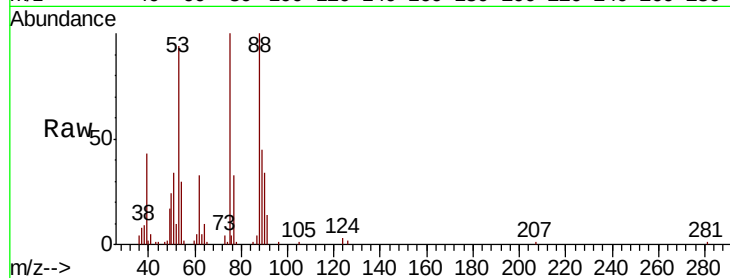




#81
trans-1,4-Dichloro-2-butene
Concen: 44.088 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

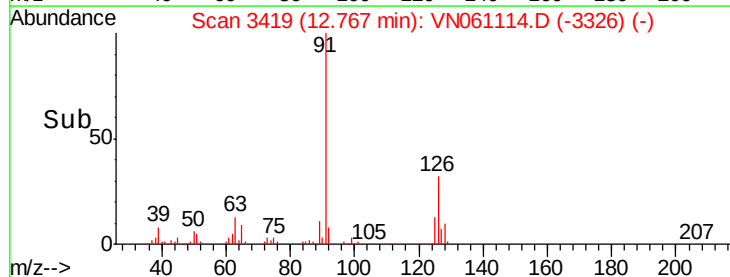
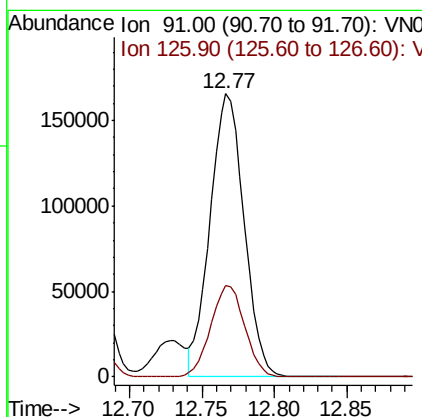
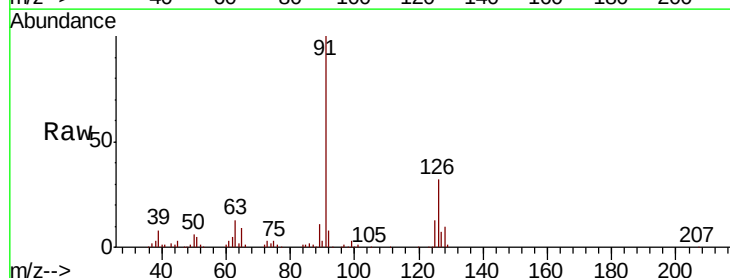
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

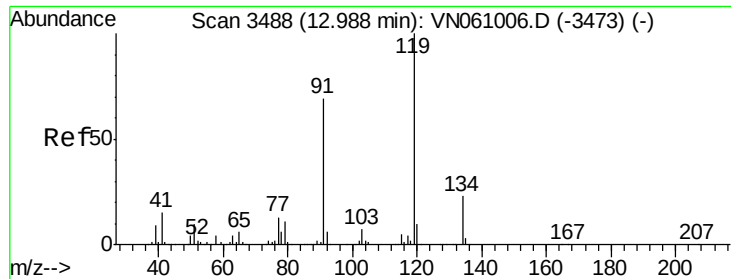
Tot Ion: 75 Resp: 40869
Ion Ratio Lower Upper
75 100
53 94.3 74.7 112.1
89 43.5 34.6 52.0



#82
4-Chlorotoluene
Concen: 45.327 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion: 91 Resp: 268641
Ion Ratio Lower Upper
91 100
126 32.5 15.9 47.6

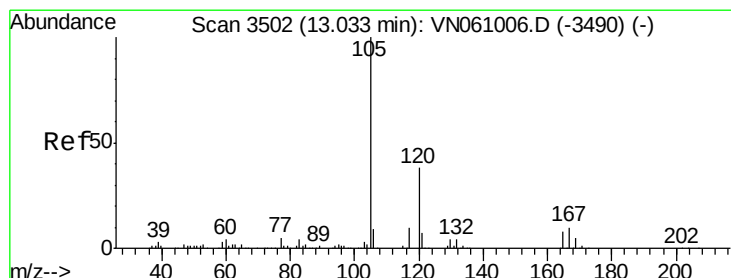
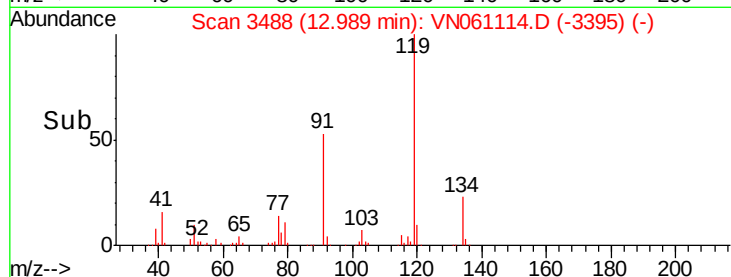
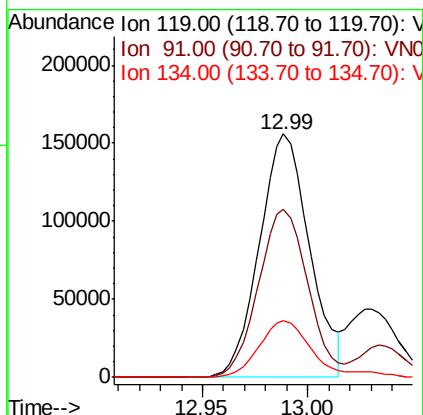
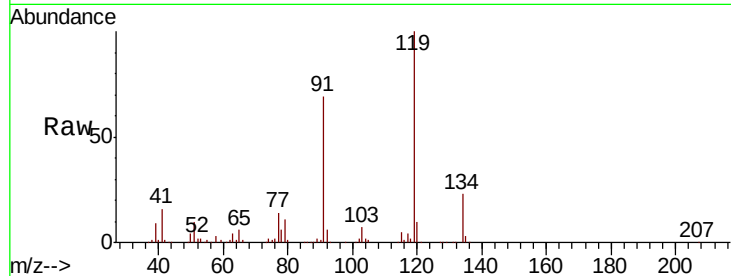




#83
 tert-Butylbenzene
 Concen: 44.601 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

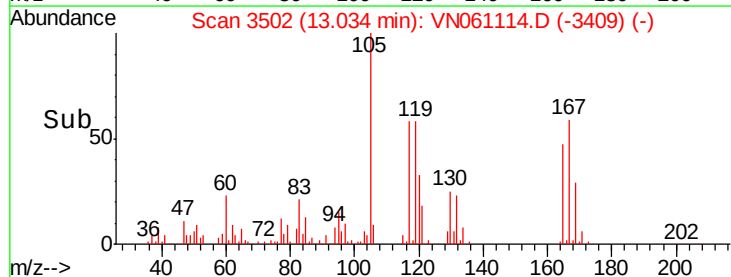
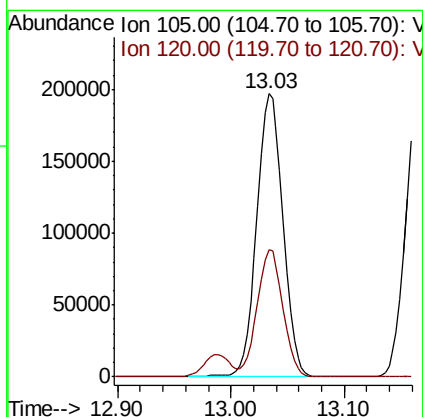
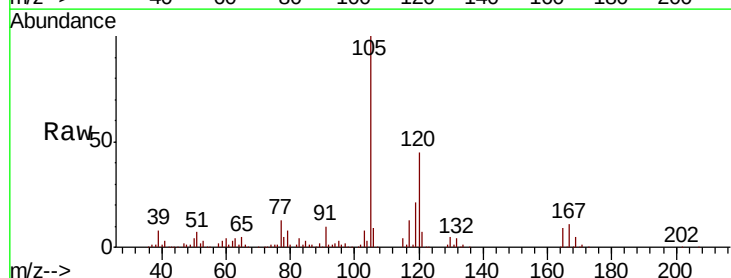
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

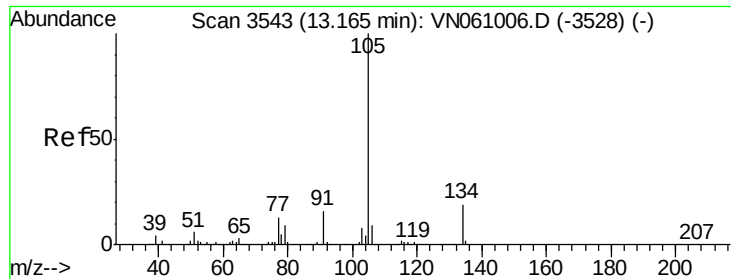
Tot Ion:119 Resp: 258195
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.1 102.3
 134 25.1 12.4 37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 46.580 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion:105 Resp: 316946
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 44.097 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

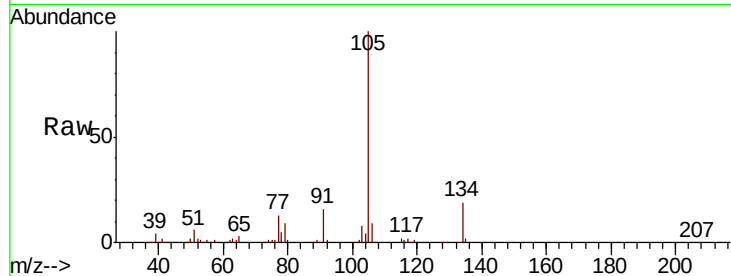
PA-TWP-2MS

Tot Ion:105 Resp: 345886

Ion Ratio Lower Upper

105 100

134 18.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

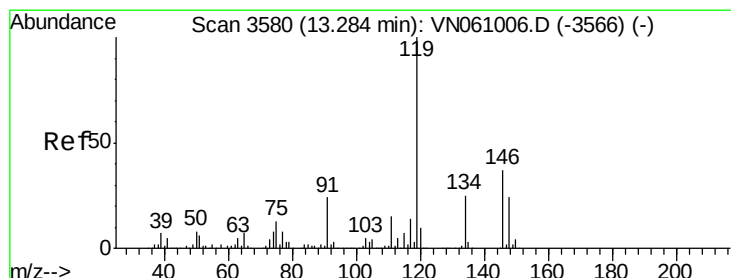
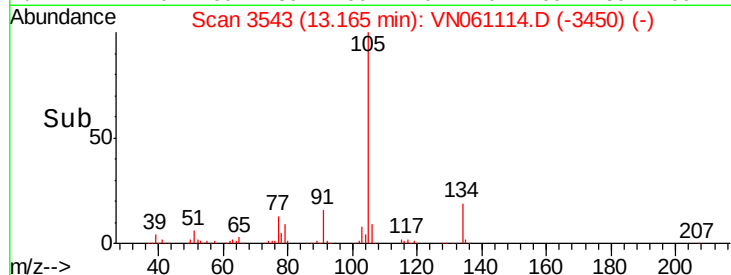
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 43.907 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

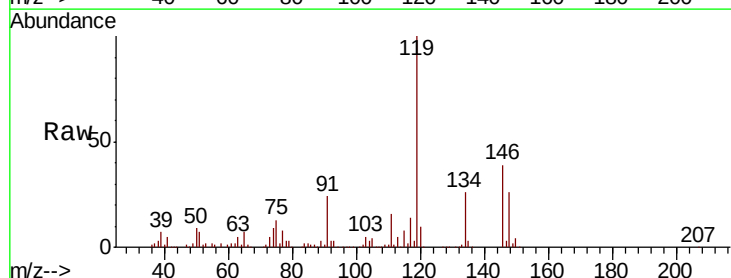
Tgt Ion:119 Resp: 306676

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

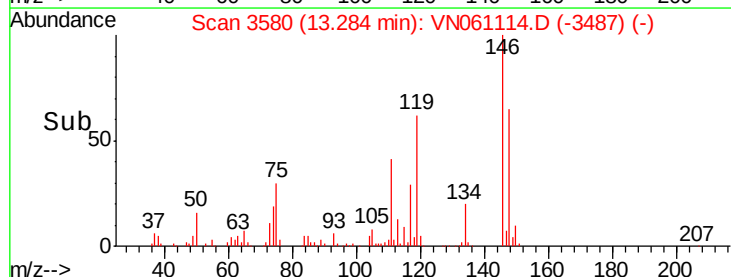
100000

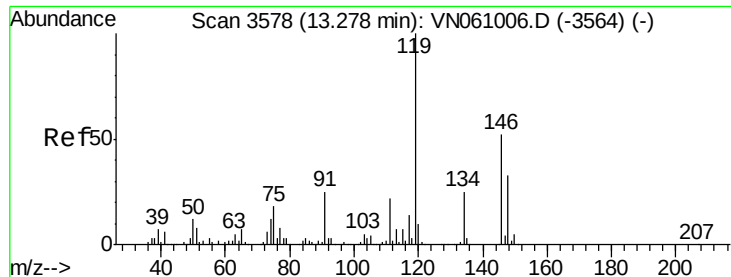
50000

0

13.20 13.25 13.30 13.35

Time-->

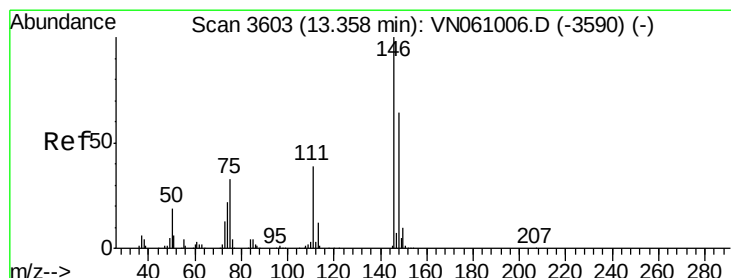
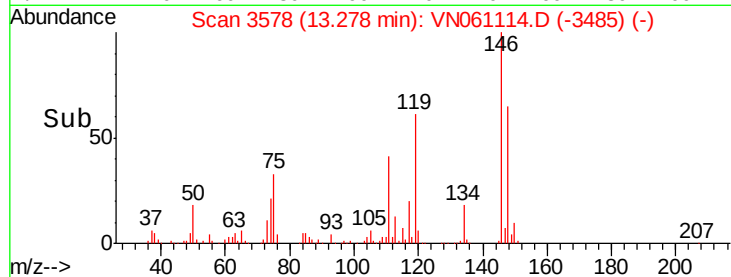
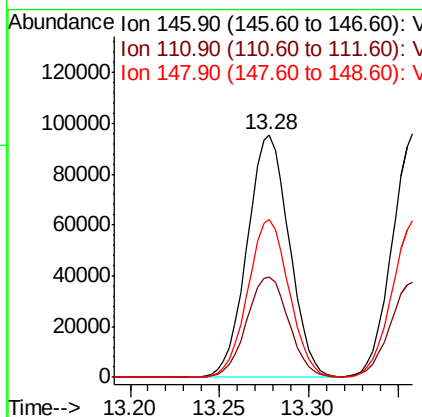
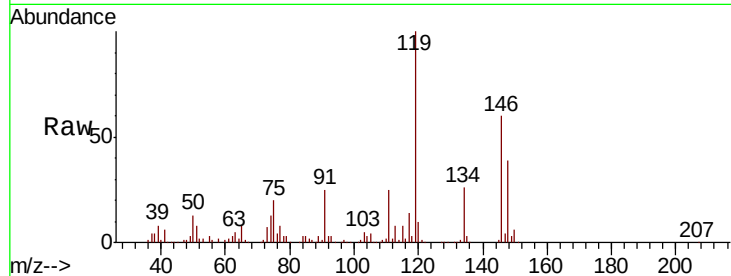




#87
 1,3-Dichlorobenzene
 Concen: 45.349 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

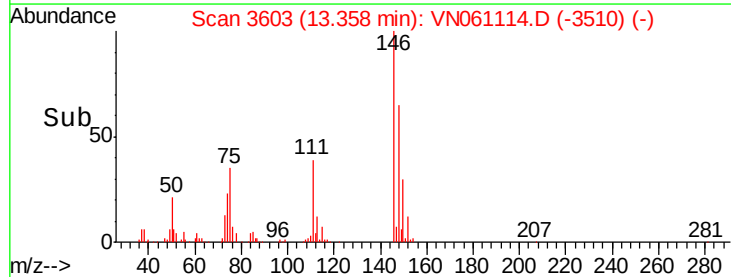
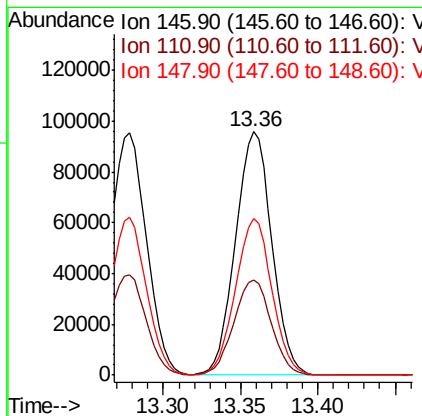
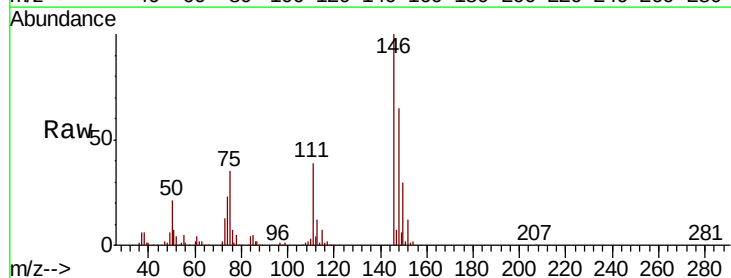
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

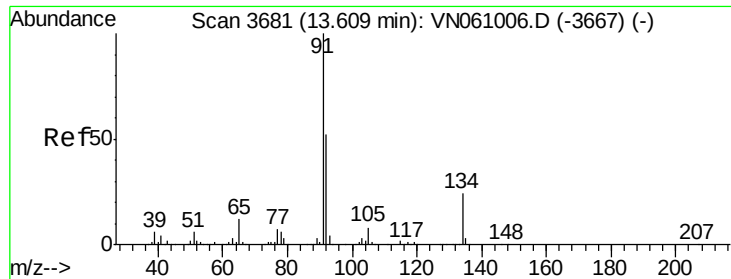
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.8
148	64.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 44.837 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.3
148	64.3	32.1	96.3





#89

n-Butylbenzene

Concen: 42.432 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN061114.D

Acq: 20 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MS

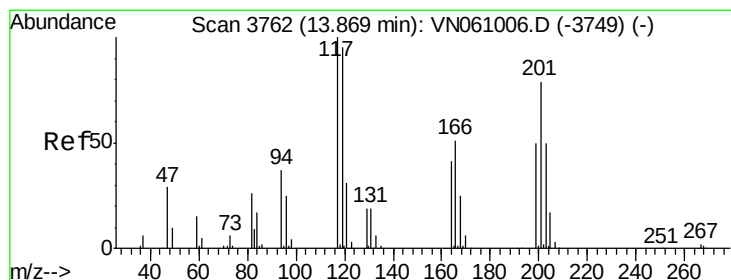
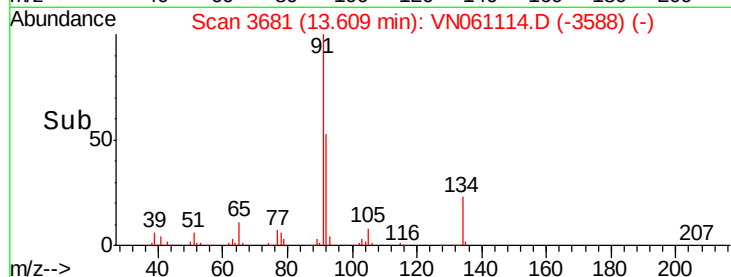
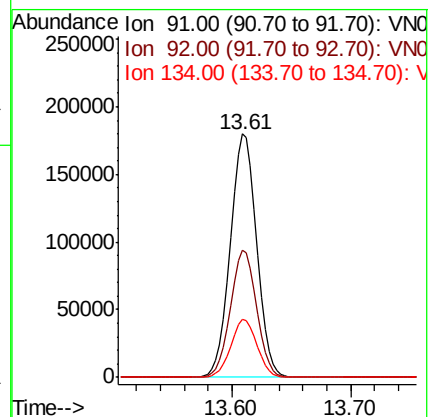
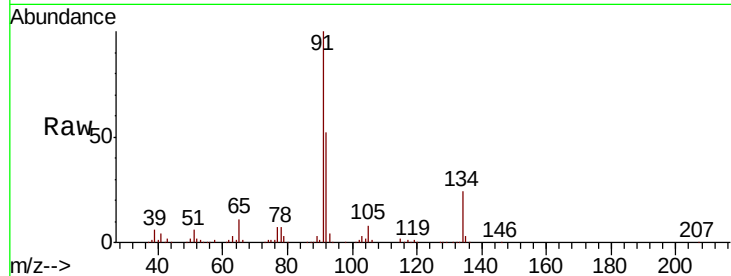
Tot Ion: 91 Resp: 275606

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.2

134 23.8 12.3 36.8



#90

Hexachloroethane

Concen: 43.776 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN061114.D

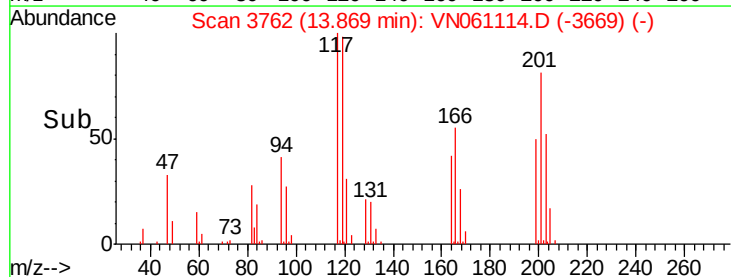
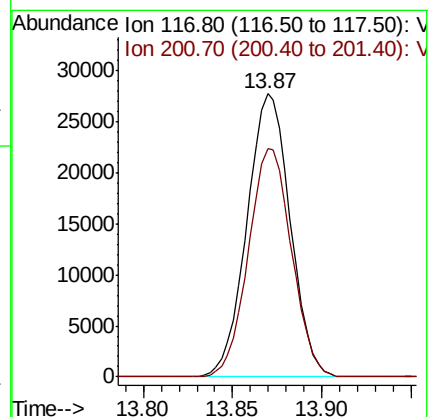
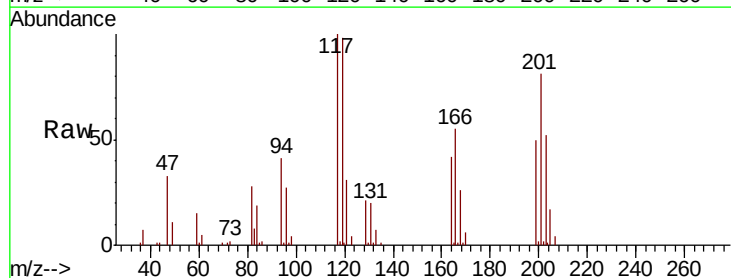
Acq: 20 Apr 2020 20:01

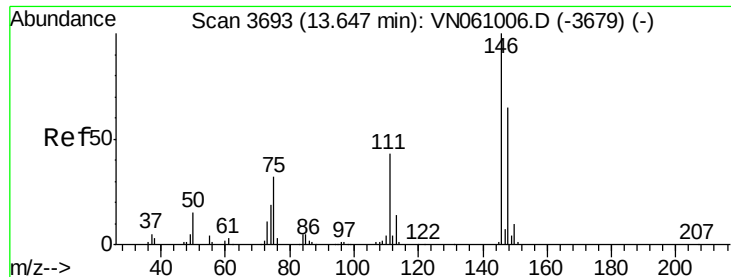
Tgt Ion: 117 Resp: 46911

Ion Ratio Lower Upper

117 100

201 80.6 39.3 117.9

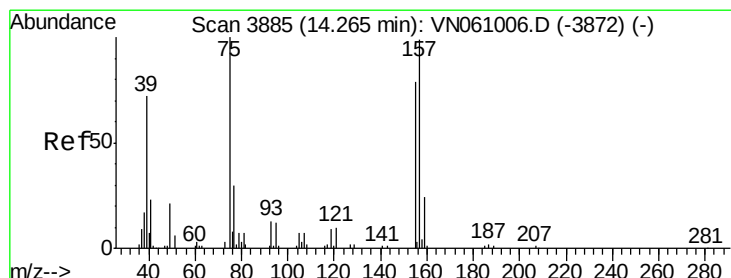
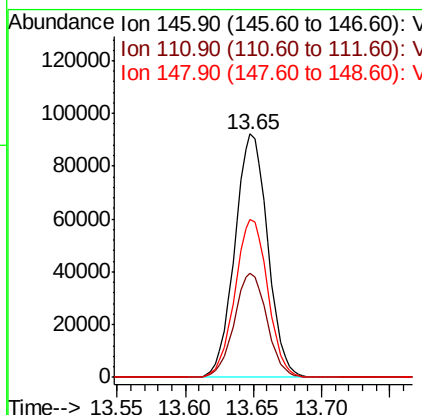
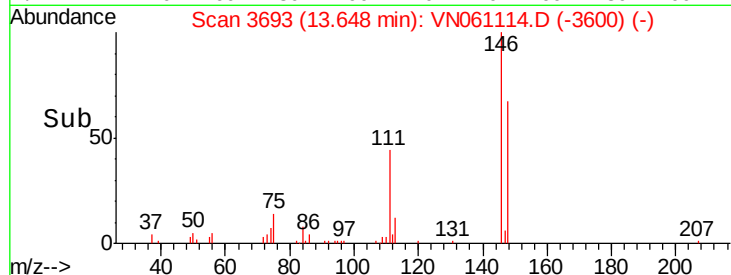
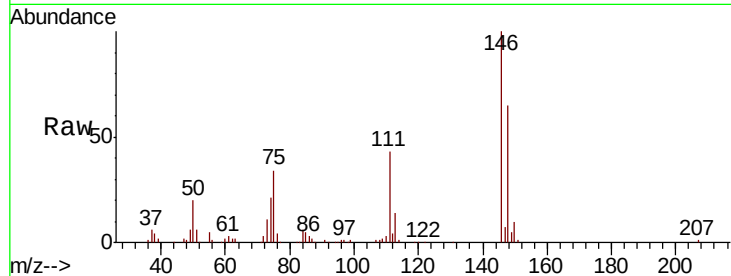




#91
 1,2-Dichlorobenzene
 Concen: 46.659 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

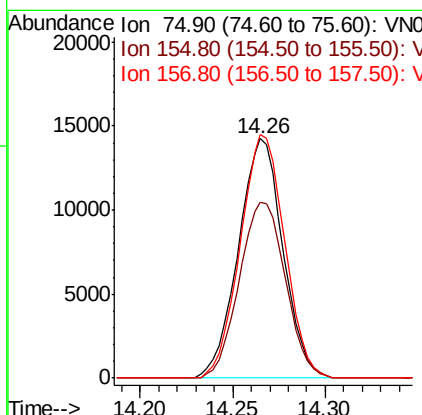
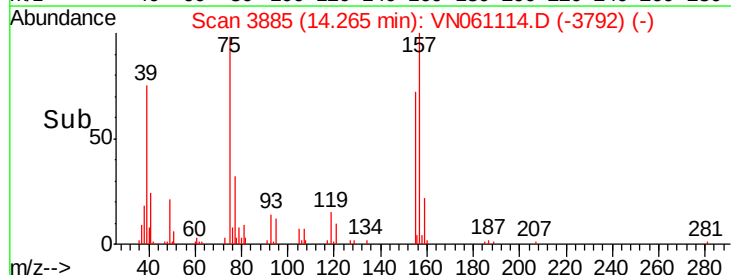
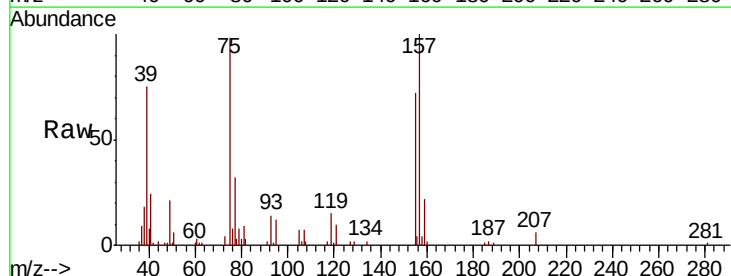
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

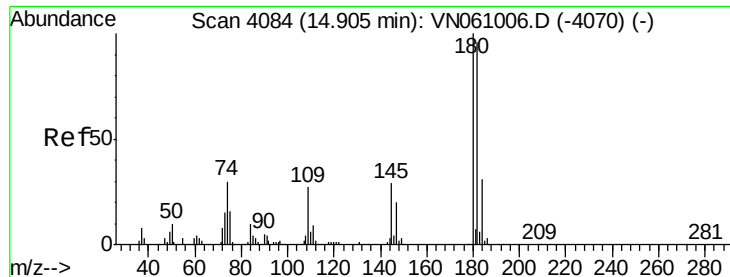
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	64.6	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.216 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	39.5	118.5
157	101.6	50.1	150.4

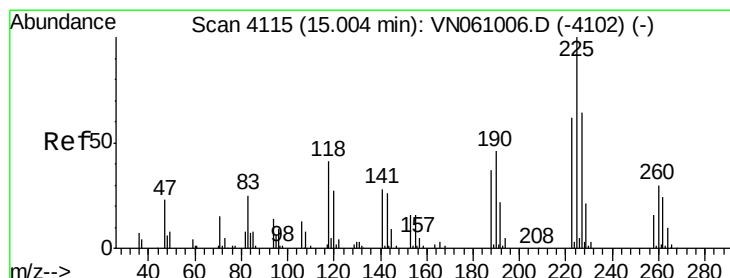
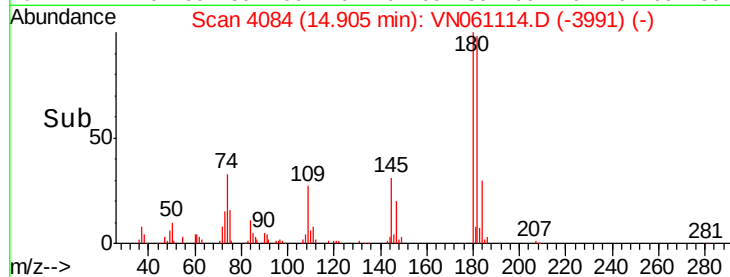
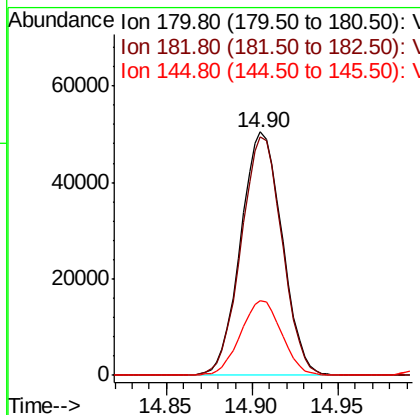
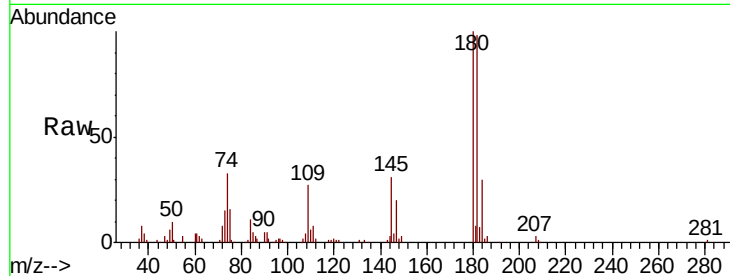




#93
 1,2,4-Trichlorobenzene
 Concen: 43.112 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

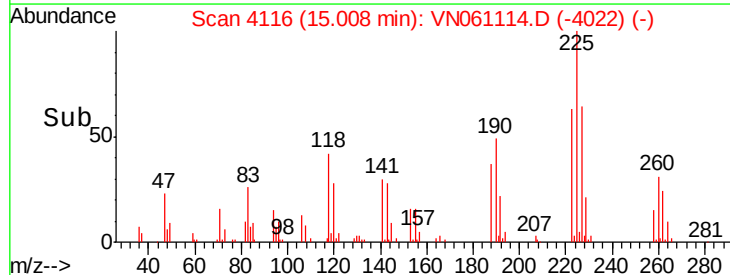
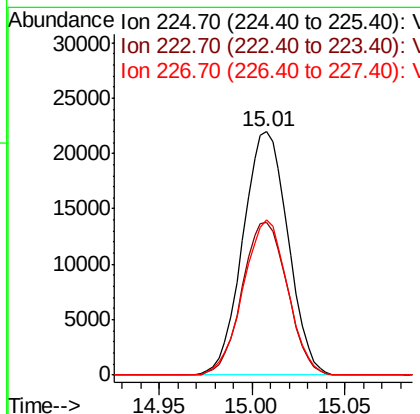
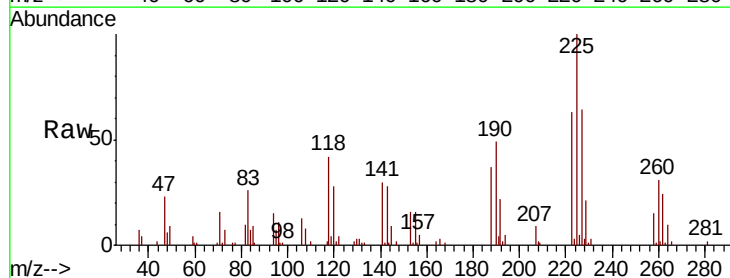
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

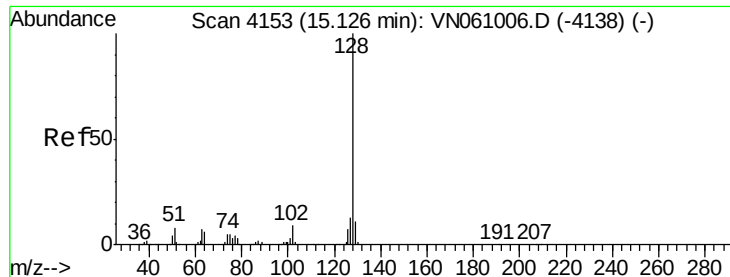
Tot Ion:180 Resp: 84394
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.8 143.3
 145 30.4 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 36.821 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061114.D
 Acq: 20 Apr 2020 20:01

Tgt Ion:225 Resp: 37080
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.8
 227 62.6 31.9 95.5

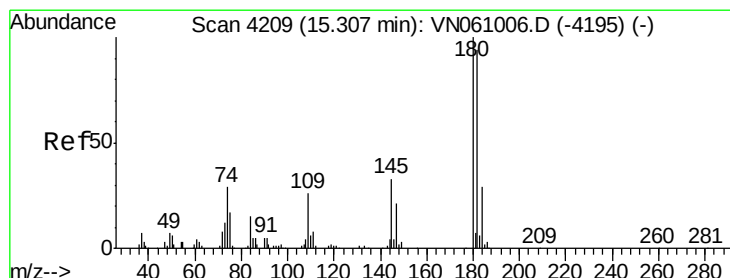
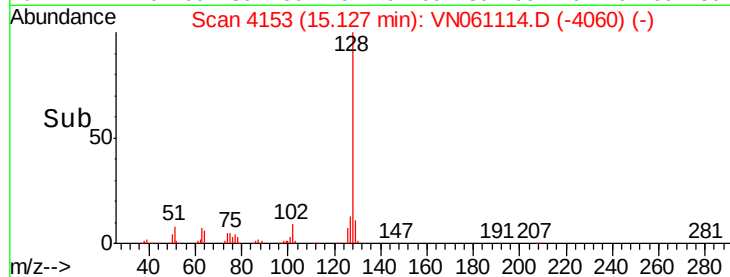
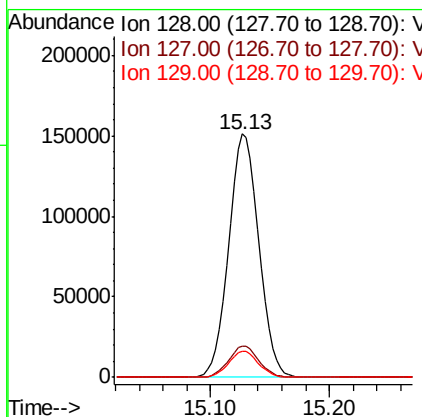
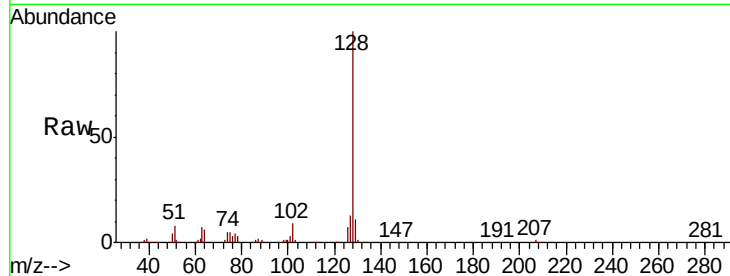




#95
Naphthalene
Concen: 46.345 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MS

Tot Ion:128 Resp: 264580
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 43.653 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061114.D
Acq: 20 Apr 2020 20:01

Tgt Ion:180 Resp: 82350
Ion Ratio Lower Upper
180 100
182 96.1 47.6 142.8
145 32.4 16.4 49.2

