

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061115.D
 Acq On : 20 Apr 2020 20:23
 Operator : JC/MD
 Sample : L2330-14MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Quant Time: Apr 21 04:03:14 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	143887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	245986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	223391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	89969	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.56	113	69733	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.08	98	250463	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	12.39	95	96947	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95577	50.254	ug/l	99
3) Chloromethane	2.04	50	128798	50.470	ug/l	100
4) Vinyl Chloride	2.17	62	106923	50.418	ug/l	99
5) Bromomethane	2.55	94	54365	51.118	ug/l	100
6) Chloroethane	2.69	64	64774	52.948	ug/l	98
7) Trichlorofluoromethane	3.00	101	137689	52.150	ug/l	100
8) Diethyl Ether	3.38	74	53678	51.153	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75798	48.932	ug/l	99
10) Methyl Iodide	3.93	142	70391	51.510	ug/l	100
11) Tert butyl alcohol	4.72	59	67245	205.874	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79698	50.615	ug/l	98
13) Acrolein	3.57	56	65578	237.783	ug/l	99
14) Allyl chloride	4.29	41	142122	47.704	ug/l	98
15) Acrylonitrile	4.94	53	228150	257.616	ug/l	99
16) Acetone	3.78	43	182510	225.240	ug/l	100
17) Carbon Disulfide	4.03	76	246938	50.118	ug/l	99
18) Methyl Acetate	4.28	43	122453	48.193	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	277519	50.547	ug/l	96
20) Methylene Chloride	4.52	84	90962	51.416	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	86694	51.477	ug/l	98
22) Diisopropyl ether	5.91	45	319664	51.663	ug/l	98
23) Vinyl Acetate	5.86	43	1173940	241.945	ug/l	100
24) 1,1-Dichloroethane	5.82	63	170414	50.994	ug/l	99
25) 2-Butanone	6.80	43	297944	239.955	ug/l	100
26) 2,2-Dichloropropane	6.80	77	125589	45.135	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99114	51.262	ug/l	98
28) Bromochloromethane	7.17	49	78224	50.993	ug/l	100
29) Tetrahydrofuran	7.18	42	204353	242.425	ug/l	99
30) Chloroform	7.34	83	163433	52.432	ug/l	99
31) Cyclohexane	7.63	56	154028	44.916	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	138677	51.435	ug/l	99
36) 1,1-Dichloropropene	7.77	75	125488	49.437	ug/l	100
37) Ethyl Acetate	6.89	43	126231	45.798	ug/l	100
38) Carbon Tetrachloride	7.75	117	112367	53.182	ug/l	98

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

39) Methylcyclohexane	9.06	83	131605	43.366	ug/l	99
40) Benzene	8.02	78	376412	49.985	ug/l	100
41) Methacrylonitrile	7.17	41	187043	162.698	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	131204	51.146	ug/l	100
43) Isopropyl Acetate	8.14	43	216289	48.250	ug/l	100
44) Trichloroethene	8.81	130	91693	48.459	ug/l	99
45) 1,2-Dichloropropane	9.10	63	102088	50.191	ug/l	98
46) Dibromomethane	9.19	93	61786	52.686	ug/l	100
47) Bromodichloromethane	9.38	83	128164	51.733	ug/l	98
48) Methyl methacrylate	9.18	41	100020	50.490	ug/l	98
49) 1,4-Dioxane	9.18	88	21049	768.463	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	641883	248.395	ug/l	100
52) Toluene	10.14	92	224179	49.623	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	144792	50.315	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	154413	49.179	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87335	51.085	ug/l	98
56) Ethyl methacrylate	10.42	69	138814	51.636	ug/l	99
57) 1,3-Dichloropropane	10.70	76	155383	50.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.82	63	787	0.644	ug/l #	51
59) 2-Hexanone	10.74	43	464231	249.102	ug/l	99
60) Dibromochloromethane	10.89	129	92005	52.389	ug/l	100
61) 1,2-Dibromoethane	10.99	107	89360	51.295	ug/l	98
64) Tetrachloroethene	10.62	164	82956	48.529	ug/l	99
65) Chlorobenzene	11.42	112	228629	49.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	83422	50.562	ug/l	100
67) Ethyl Benzene	11.50	91	422789	48.739	ug/l	99
68) m/p-Xylenes	11.61	106	309069	98.586	ug/l	100
69) o-Xylene	11.94	106	147598	48.967	ug/l	100
70) Styrene	11.96	104	248572	51.224	ug/l	99
71) Bromoform	12.12	173	65104	52.864	ug/l #	99
73) Isopropylbenzene	12.24	105	388268	48.480	ug/l	99
74) N-amyl acetate	12.06	43	181274	48.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	125436	51.308	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	168065	76.433	ug/l #	100
77) Bromobenzene	12.52	156	93876	50.203	ug/l	100
78) n-propylbenzene	12.59	91	455105	48.570	ug/l	100
79) 2-Chlorotoluene	12.67	91	270352	49.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	321314	48.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	41389	46.428	ug/l	98
82) 4-Chlorotoluene	12.77	91	283539	49.746	ug/l	100
83) tert-Butylbenzene	12.99	119	261817	47.028	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	323430	49.427	ug/l	99
85) sec-Butylbenzene	13.17	105	352639	46.749	ug/l	100
86) p-Isopropyltoluene	13.28	119	312230	46.483	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	163988	49.209	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162008	48.324	ug/l	100
89) n-Butylbenzene	13.61	91	282016	45.149	ug/l	99
90) Hexachloroethane	13.87	117	48766	47.320	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	157602	49.551	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24725	52.257	ug/l	97

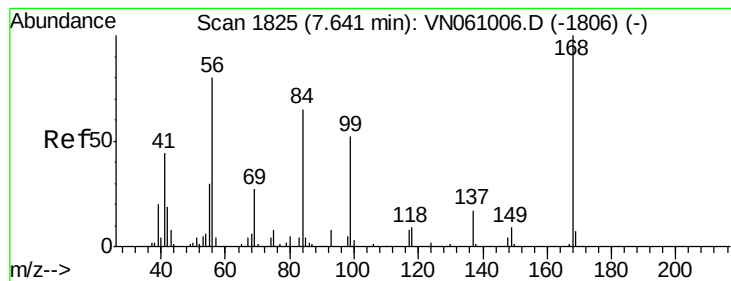
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	88991	47.272	ug/l	100
94) Hexachlorobutadiene	15.00	225	39177	40.454	ug/l	99
95) Naphthalene	15.13	128	280028	51.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	86418	47.634	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

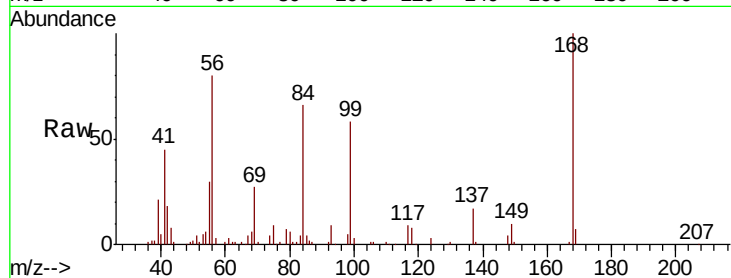
PA-TWP-2MSD

Tot Ion:168 Resp: 143887

Ion Ratio Lower Upper

168 100

99 58.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

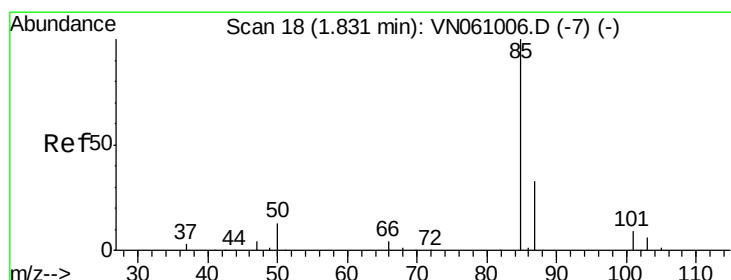
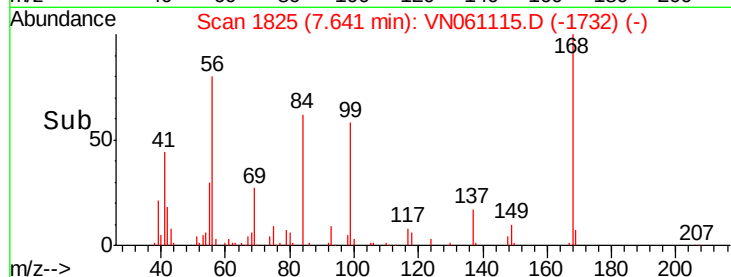
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.254 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061115.D

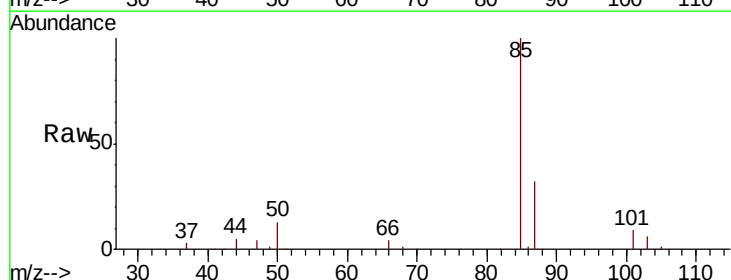
Acq: 20 Apr 2020 20:23

Tgt Ion: 85 Resp: 95577

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

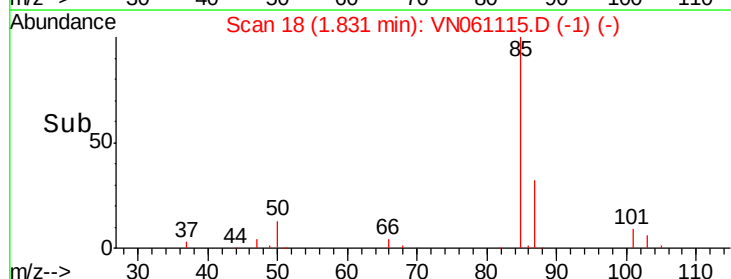
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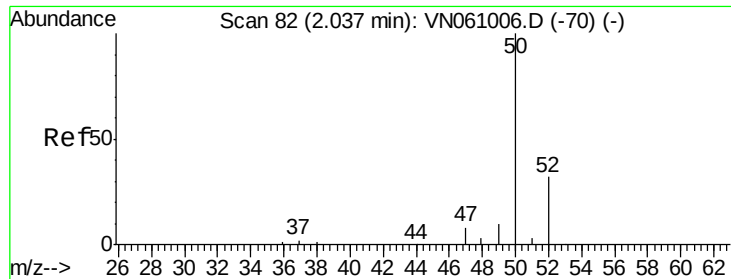
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 50.470 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

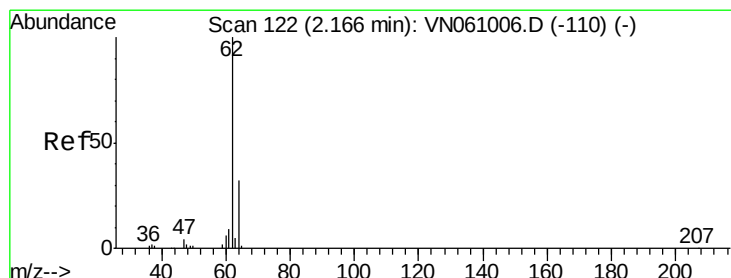
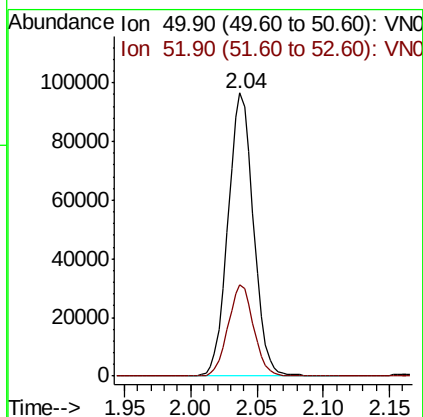
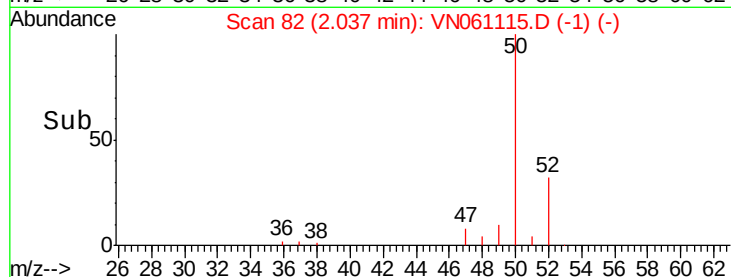
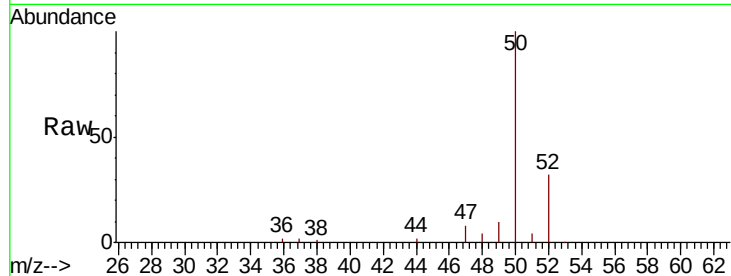
PA-TWP-2MSD

Tot Ion: 50 Resp: 128798

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



#4

Vinyl Chloride

Concen: 50.418 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061115.D

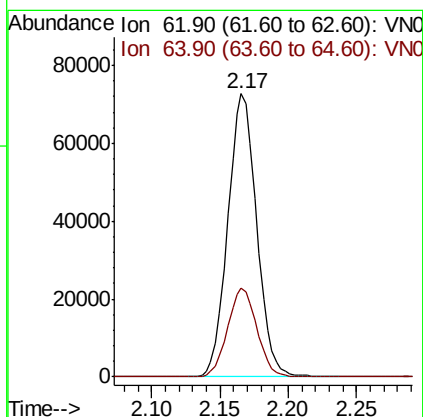
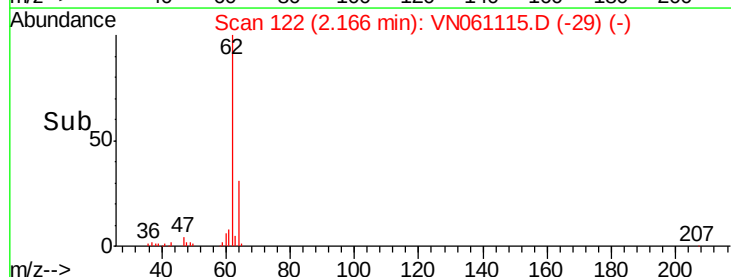
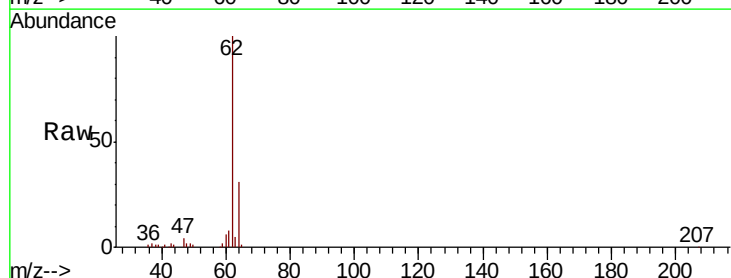
Acq: 20 Apr 2020 20:23

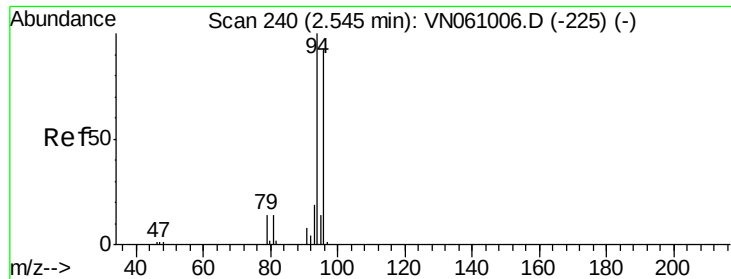
Tgt Ion: 62 Resp: 106923

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 51.118 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

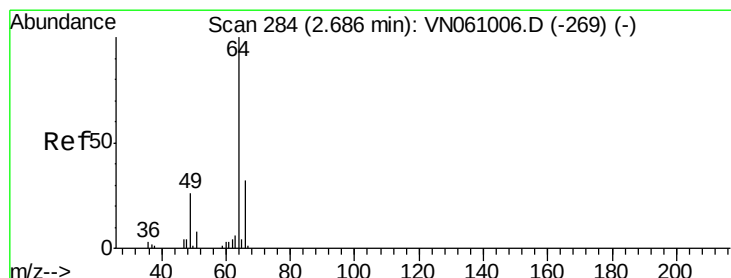
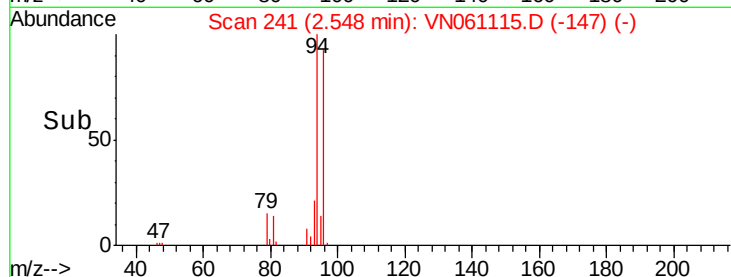
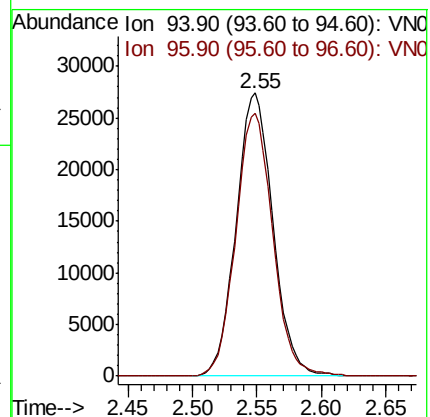
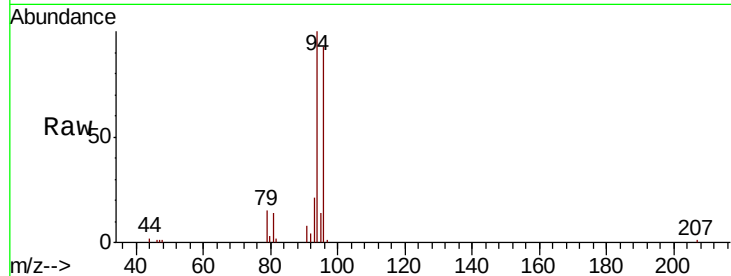
PA-TWP-2MSD

Tot Ion: 94 Resp: 54365

Ion Ratio Lower Upper

94 100

96 93.0 74.3 111.5



#6

Chloroethane

Concen: 52.948 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061115.D

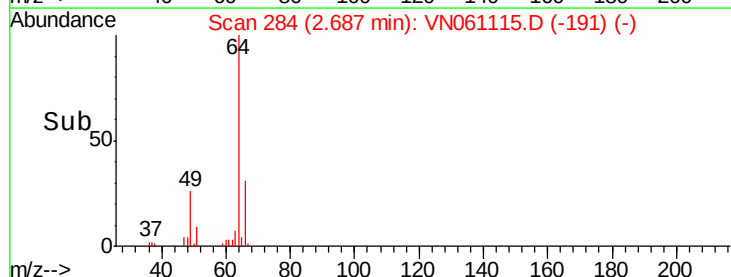
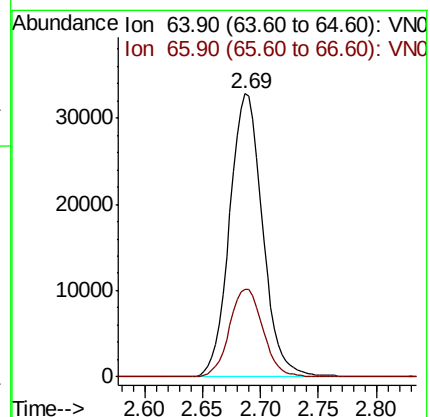
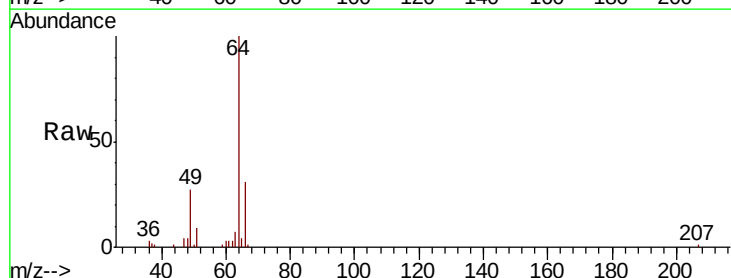
Acq: 20 Apr 2020 20:23

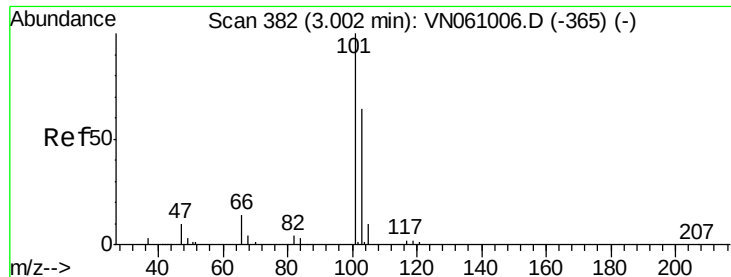
Tgt Ion: 64 Resp: 64774

Ion Ratio Lower Upper

64 100

66 31.0 25.8 38.8



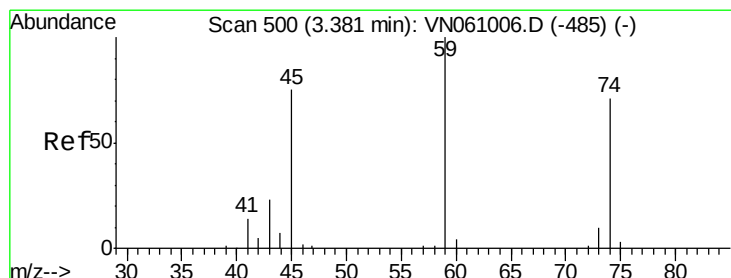
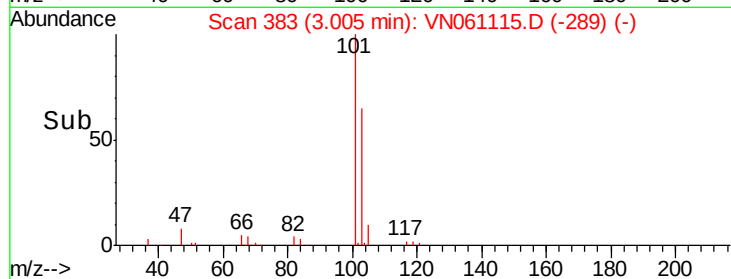
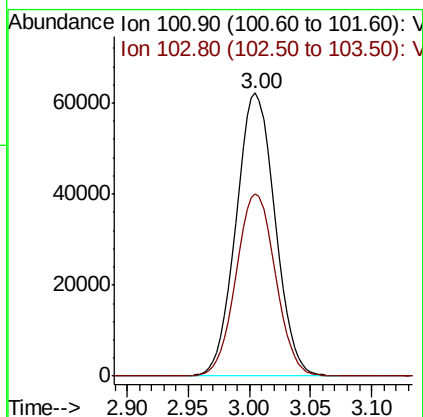
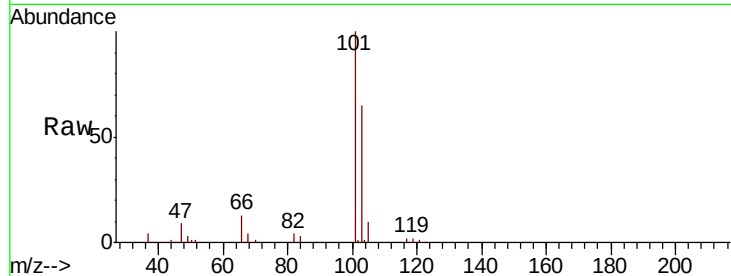


#7

Trichlorofluoromethane
 Concen: 52.150 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Instrument :
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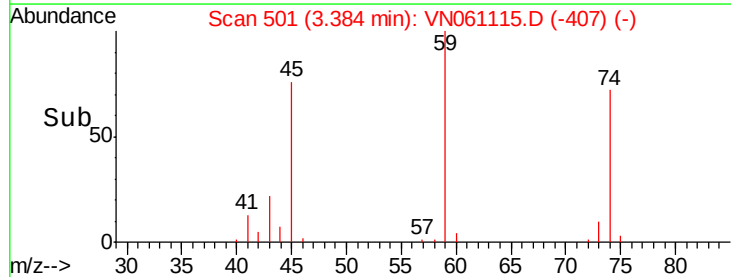
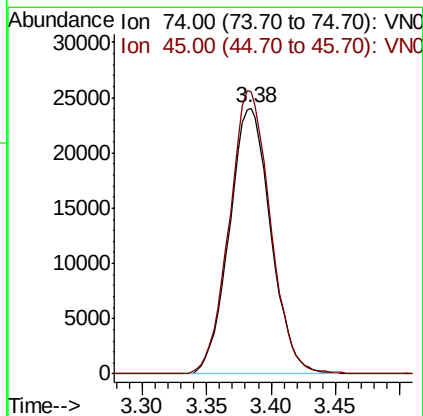
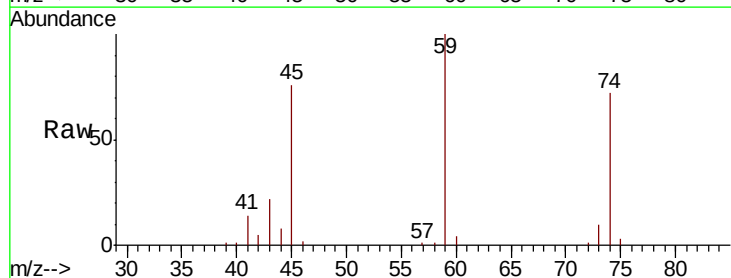
Tot Ion:101 Resp: 137689
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2

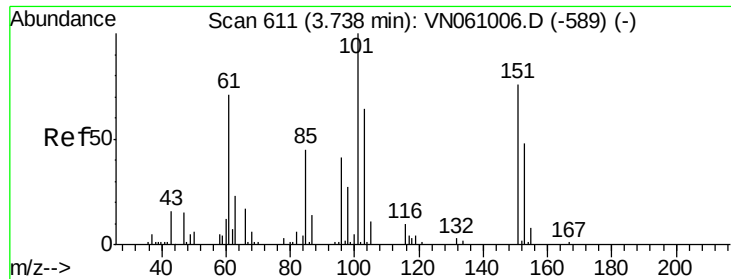


#8

Diethyl Ether
 Concen: 51.153 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 74 Resp: 53678
 Ion Ratio Lower Upper
 74 100
 45 105.9 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.932 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

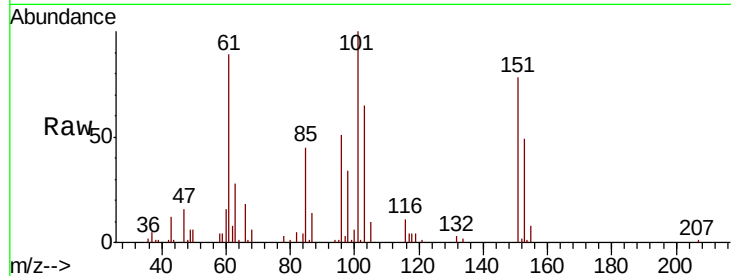
Tot Ion:101 Resp: 75798

Ion Ratio Lower Upper

101 100

85 45.2 35.9 53.9

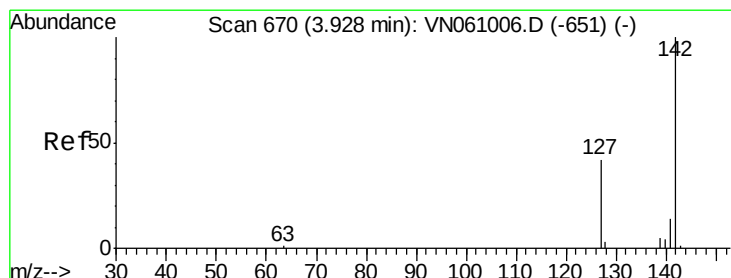
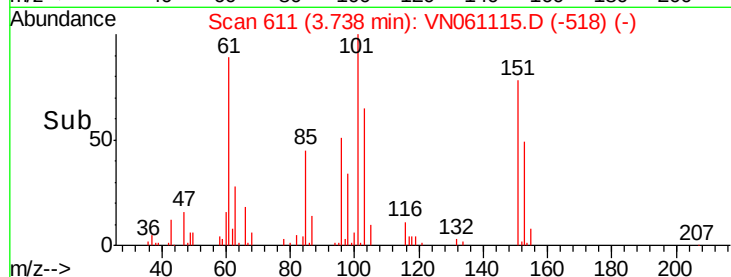
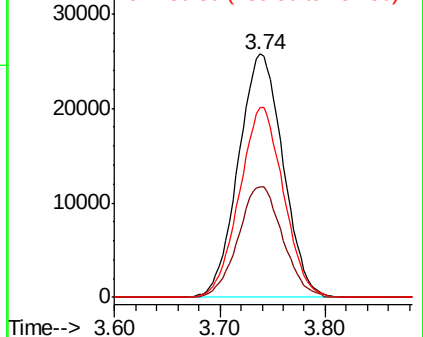
151 76.9 60.8 91.2



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: 51.510 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

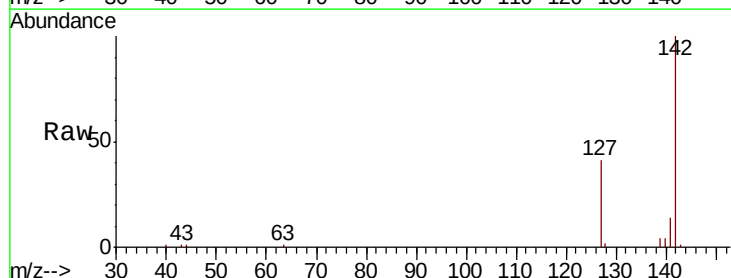
Tgt Ion:142 Resp: 70391

Ion Ratio Lower Upper

142 100

127 42.0 33.4 50.2

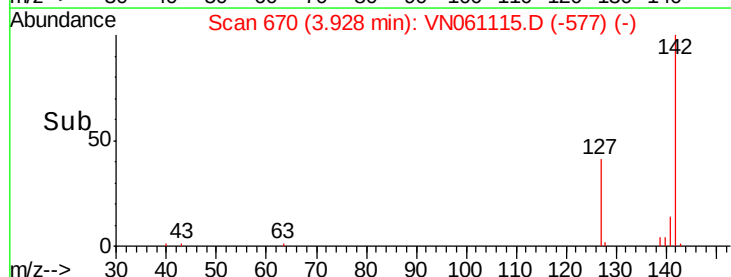
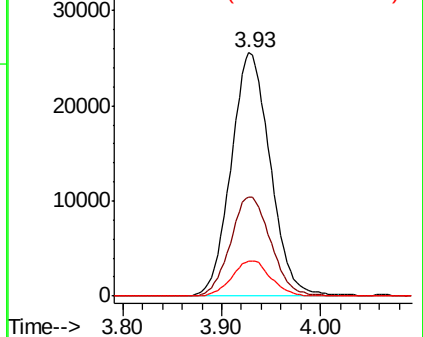
141 14.2 11.0 16.6

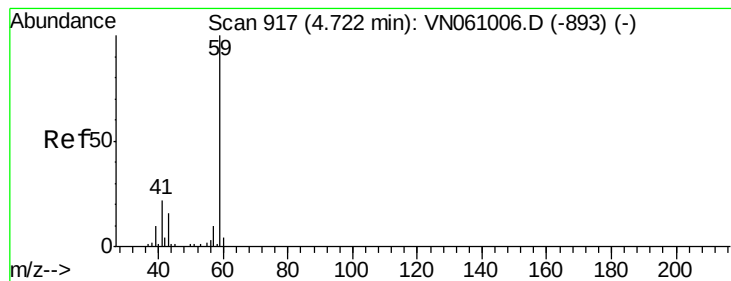


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



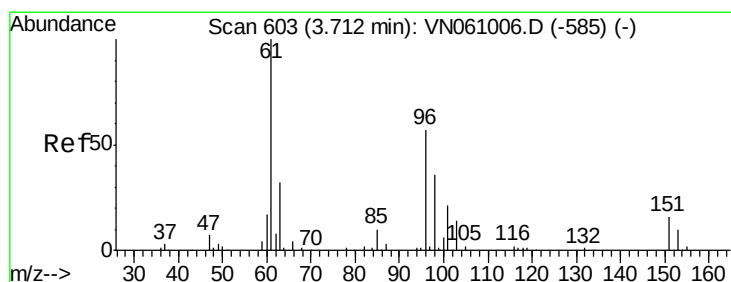
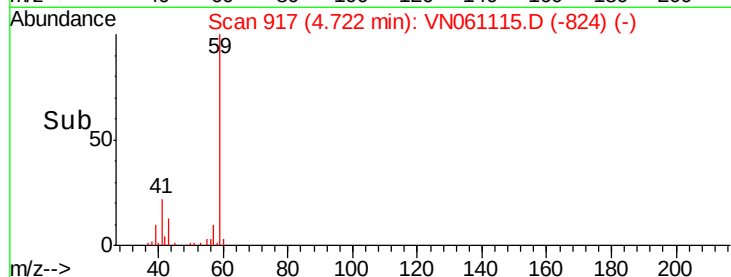
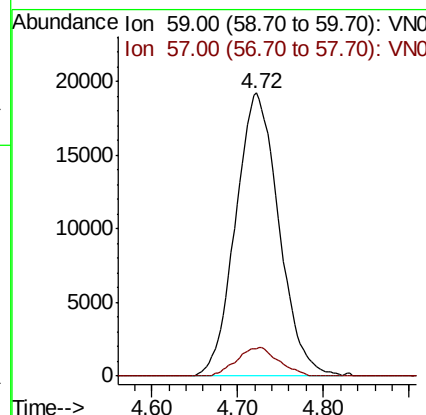
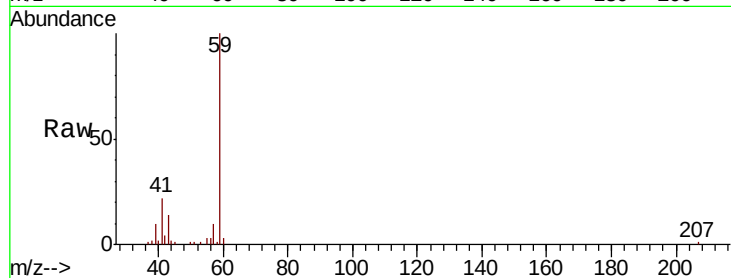


#11

Tert butyl alcohol
 Concen: 205.874 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

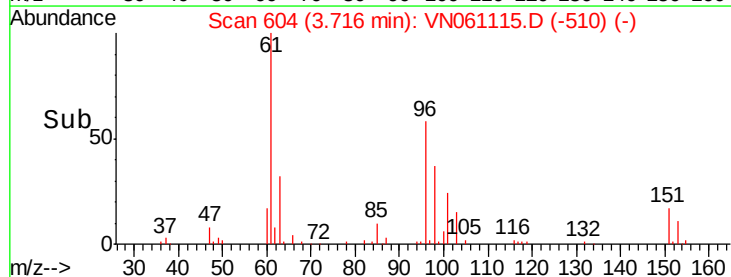
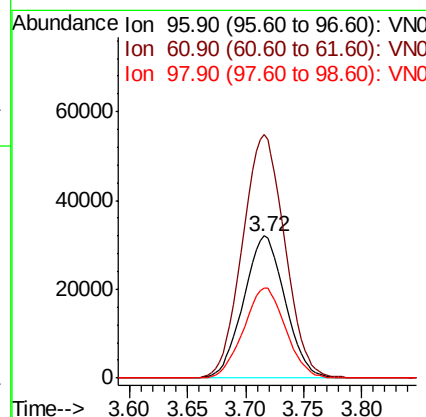
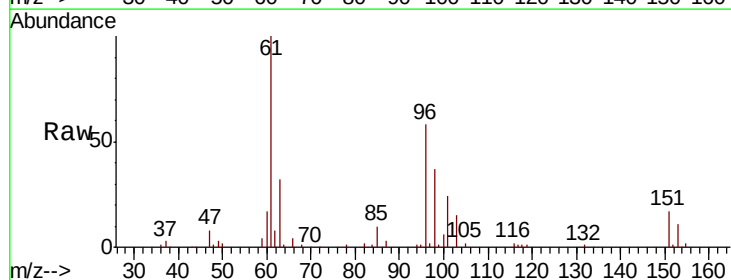
Tot Ion: 59 Resp: 67245
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.1 12.1

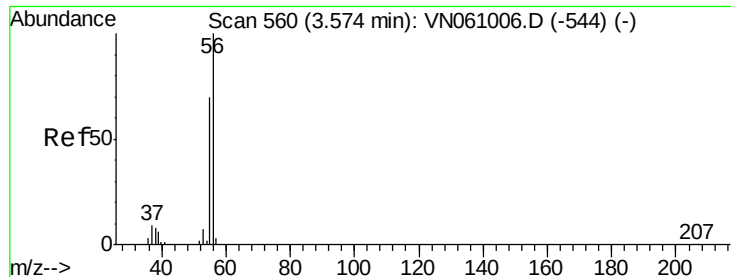


#12

1,1-Dichloroethene
 Concen: 50.615 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 96 Resp: 79698
 Ion Ratio Lower Upper
 96 100
 61 171.6 139.2 208.8
 98 63.8 50.0 75.0





#13

Acrolein

Concen: 237.783 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

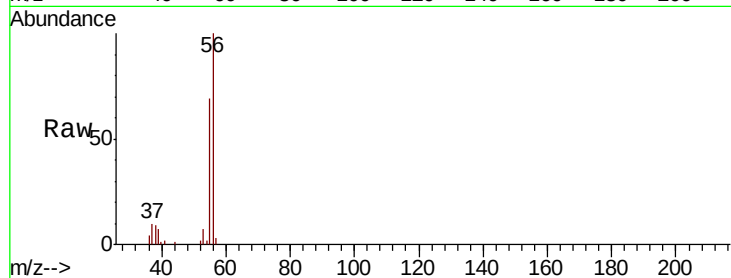
PA-TWP-2MSD

Tot Ion: 56 Resp: 65578

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.6

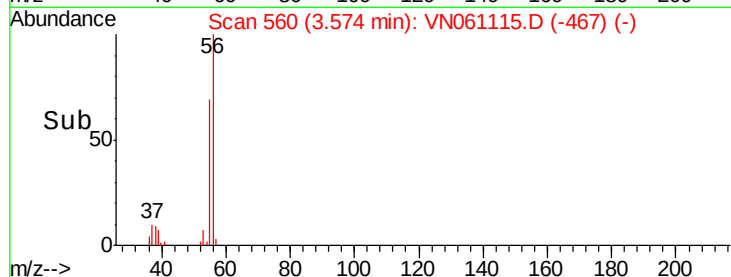


Abundance Ion 56.00 (55.70 to 56.70): VN061115.D (-690) (-)

Ion 55.00 (54.70 to 55.70): VN061115.D (-690) (-)

3.57

Time-->



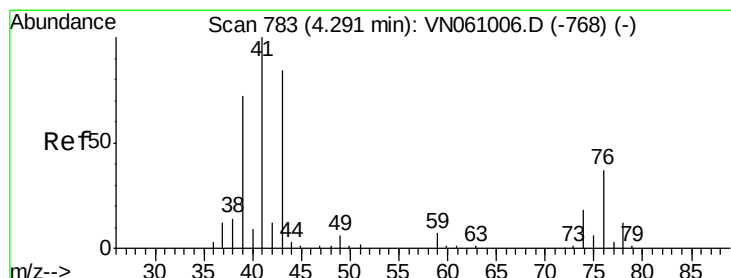
Abundance

Ion 56.00 (55.70 to 56.70): VN061115.D (-467) (-)

Ion 55.00 (54.70 to 55.70): VN061115.D (-467) (-)

3.57

Time-->



#14

Allyl chloride

Concen: 47.704 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

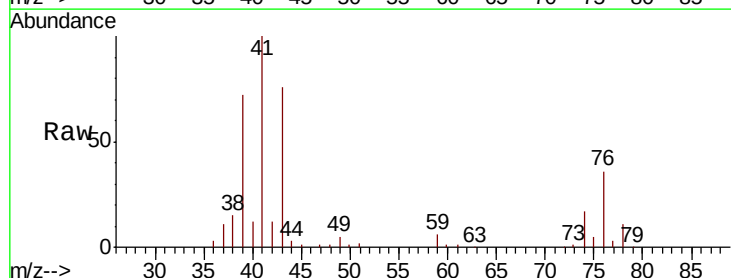
Tgt Ion: 41 Resp: 142122

Ion Ratio Lower Upper

41 100

39 72.8 56.3 84.5

76 35.2 27.7 41.5



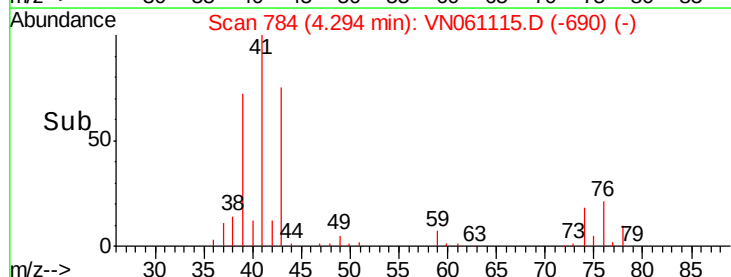
Abundance Ion 41.00 (40.70 to 41.70): VN061115.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN061115.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN061115.D (-690) (-)

4.29

Time-->



Abundance

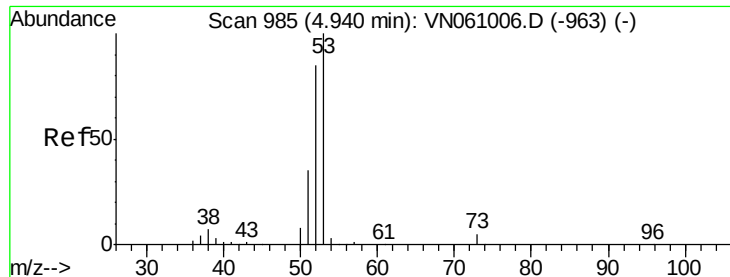
Ion 41.00 (40.70 to 41.70): VN061115.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN061115.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN061115.D (-690) (-)

4.29

Time-->



#15

Acrylonitrile

Concen: 257.616 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

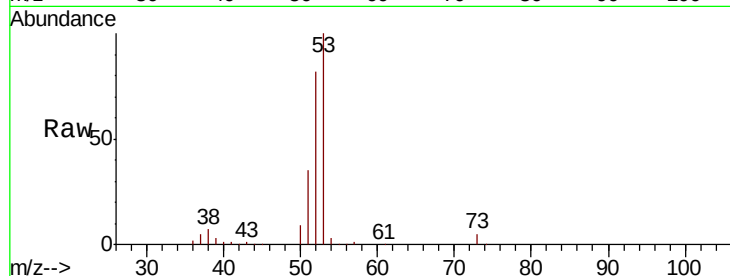
Tot Ion: 53 Resp: 228150

Ion Ratio Lower Upper

53 100

52 81.9 66.8 100.2

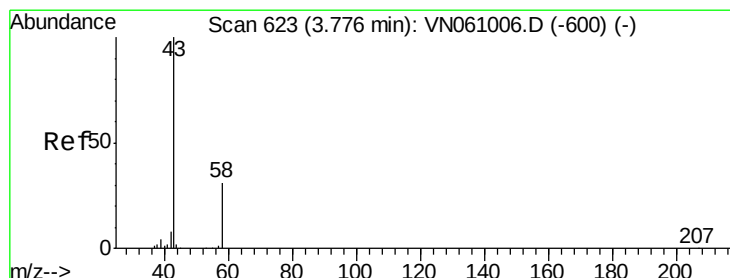
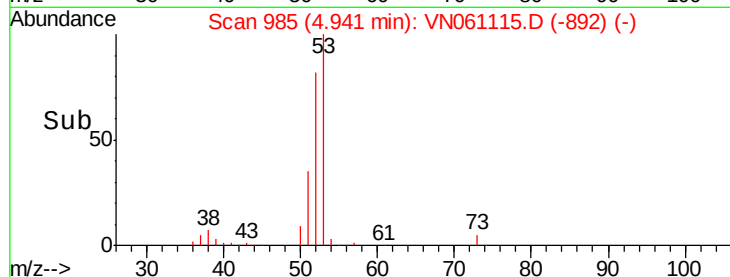
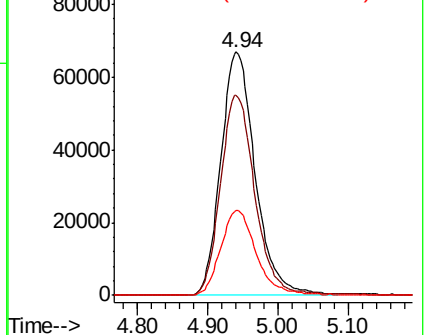
51 36.0 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061115.D (-892) (-)

Ion 52.00 (51.70 to 52.70): VN061115.D (-892) (-)

Ion 51.00 (50.70 to 51.70): VN061115.D (-892) (-)



#16

Acetone

Concen: 225.240 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061115.D

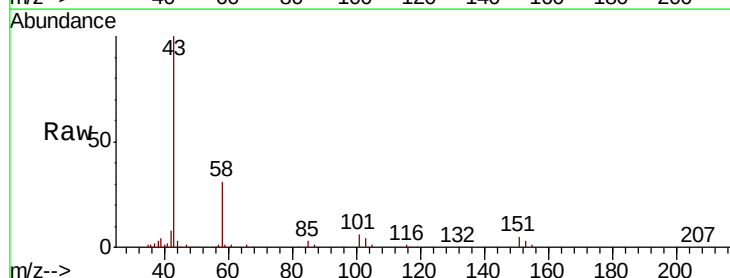
Acq: 20 Apr 2020 20:23

Tgt Ion: 43 Resp: 182510

Ion Ratio Lower Upper

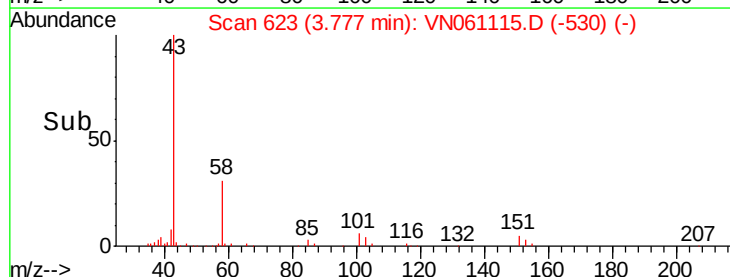
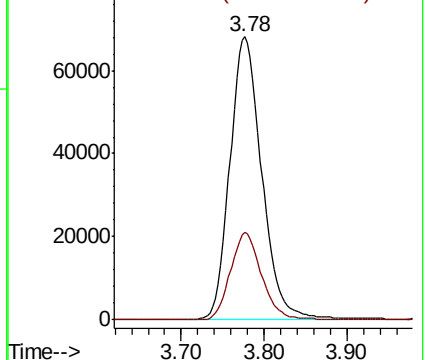
43 100

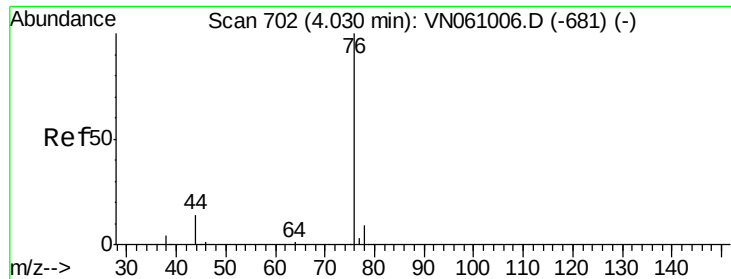
58 30.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061115.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061115.D (-530) (-)





#17

Carbon Disulfide

Concen: 50.118 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

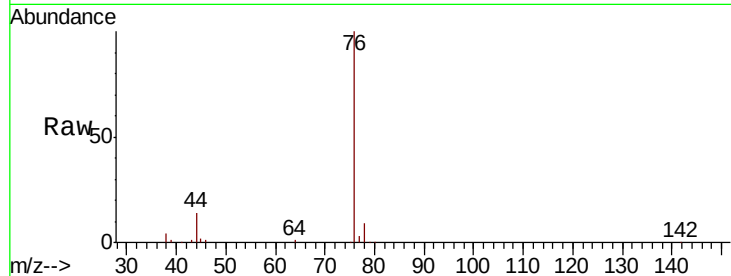
PA-TWP-2MSD

Tot Ion: 76 Resp: 246938

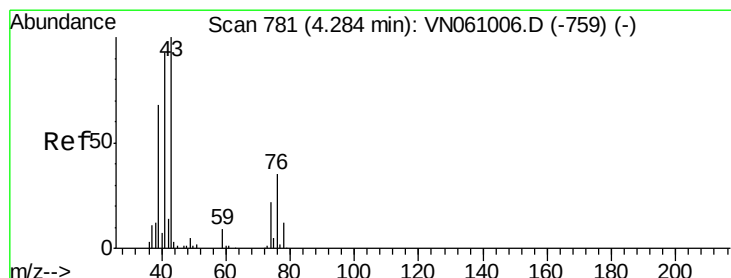
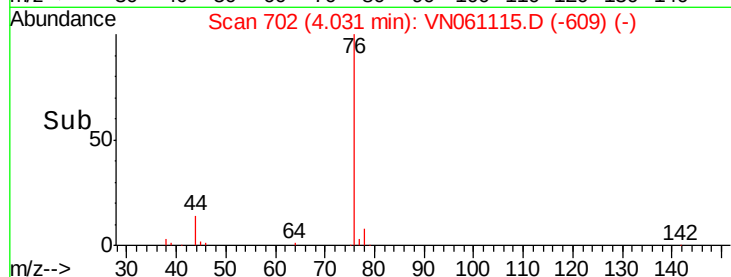
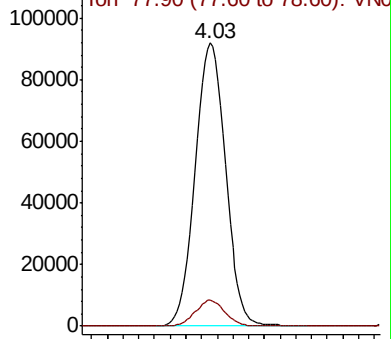
Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN061115.D (-609) (-)



#18

Methyl Acetate

Concen: 48.193 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061115.D

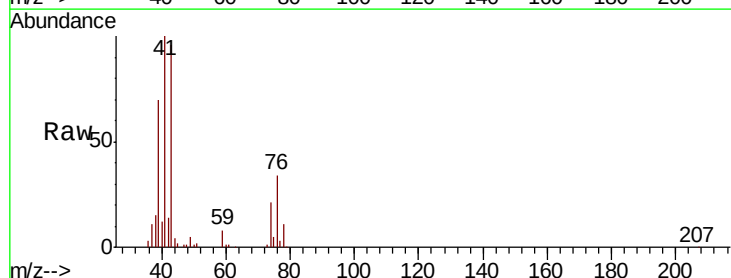
Acq: 20 Apr 2020 20:23

Tgt Ion: 43 Resp: 122453

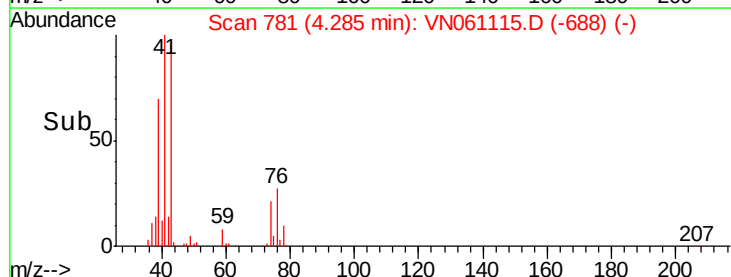
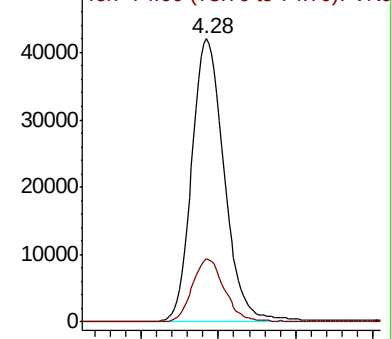
Ion Ratio Lower Upper

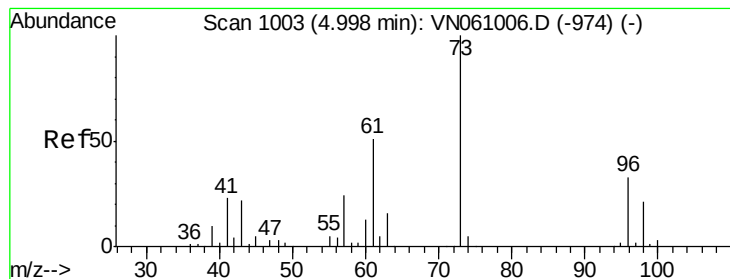
43 100

74 21.9 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN061115.D (-688) (-)



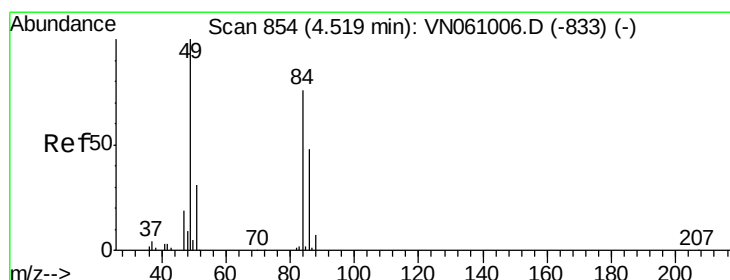
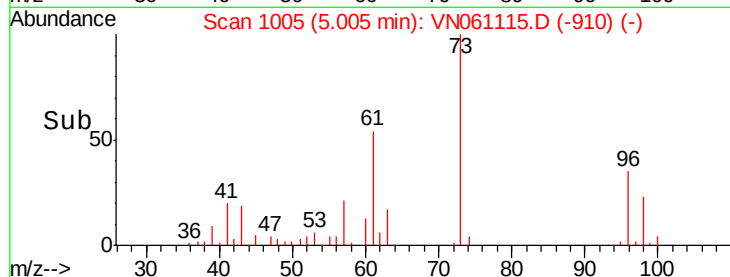
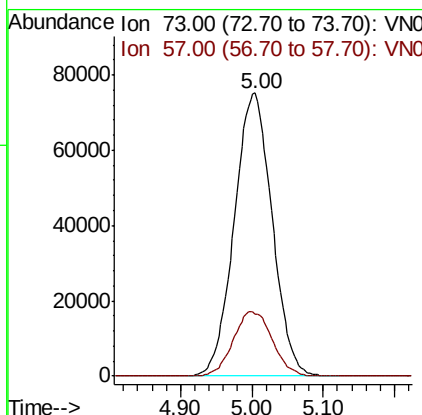
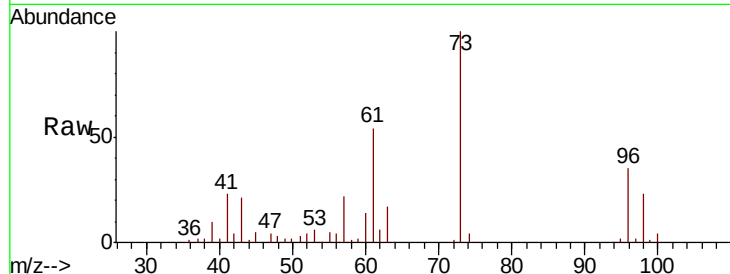


#19

Methyl tert-butyl Ether
 Concen: 50.547 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

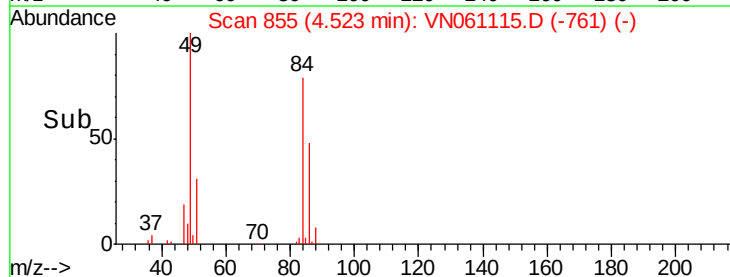
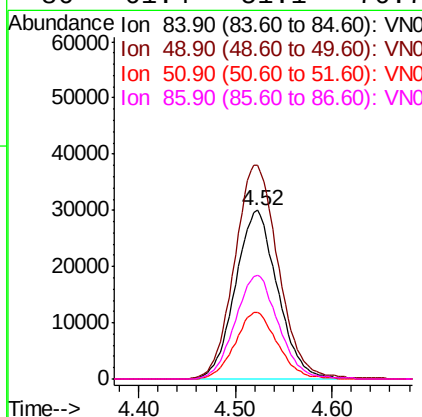
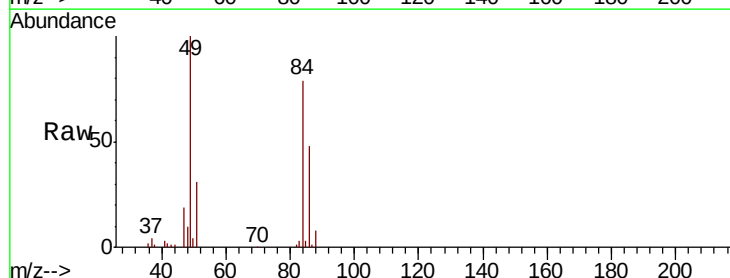
Tot Ion: 73 Resp: 277519
 Ion Ratio Lower Upper
 73 100
 57 22.0 19.0 28.4

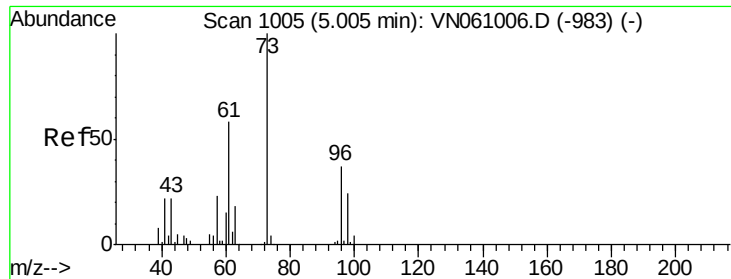


#20

Methylene Chloride
 Concen: 51.416 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 84 Resp: 90962
 Ion Ratio Lower Upper
 84 100
 49 126.7 105.8 158.6
 51 39.7 32.4 48.6
 86 61.4 51.1 76.7

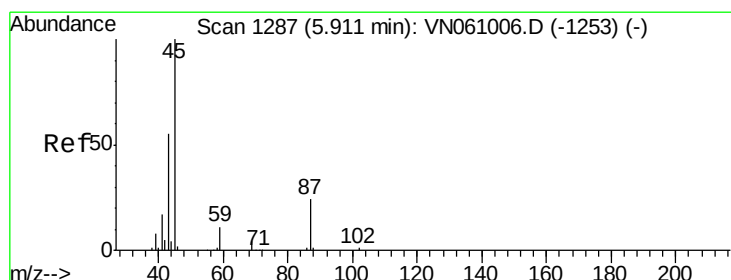
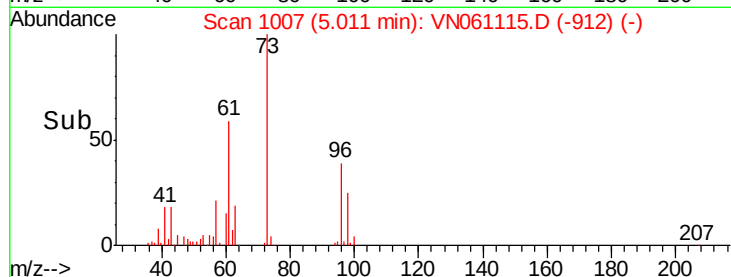
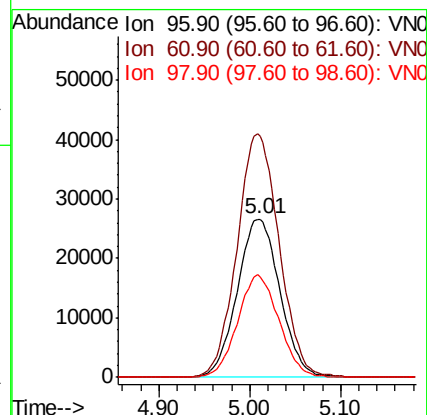
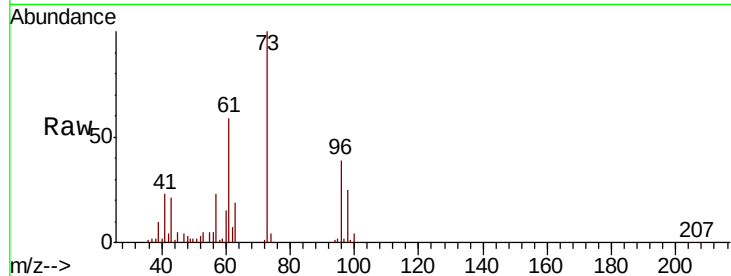




#21
trans-1,2-Dichloroethene
Concen: 51.477 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

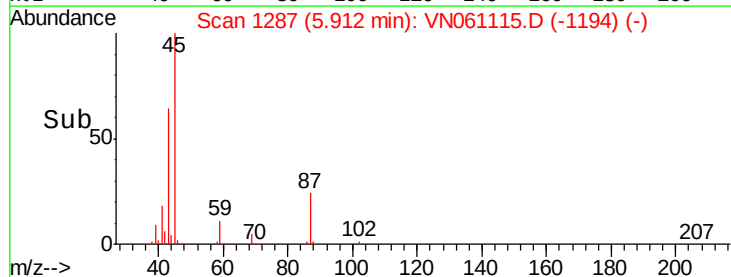
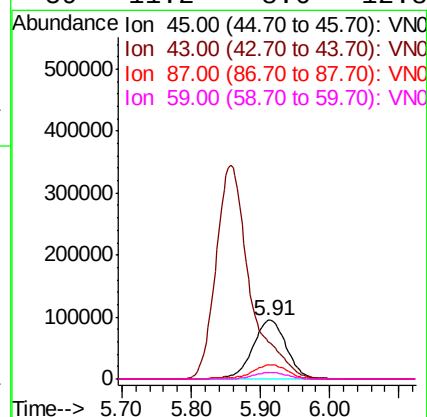
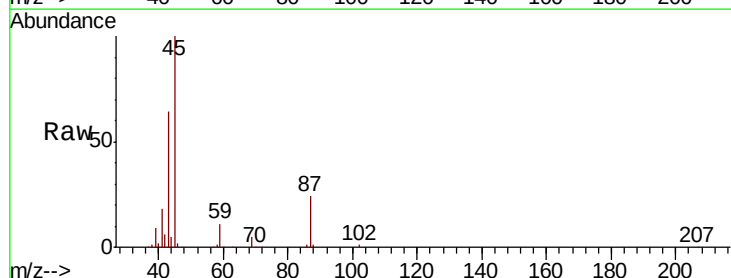
Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2MSD

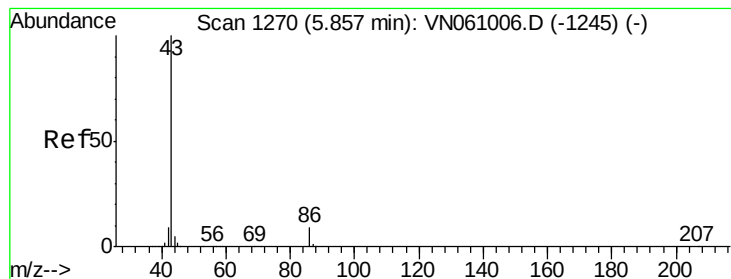
Tot Ion: 96 Resp: 86694
Ion Ratio Lower Upper
96 100
61 152.5 124.8 187.2
98 63.7 51.3 76.9



#22
Diisopropyl ether
Concen: 51.663 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 45 Resp: 319664
Ion Ratio Lower Upper
45 100
43 62.8 48.6 72.8
87 24.3 19.4 29.2
59 11.2 8.6 12.8





#23

Vinyl Acetate

Concen: 241.945 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

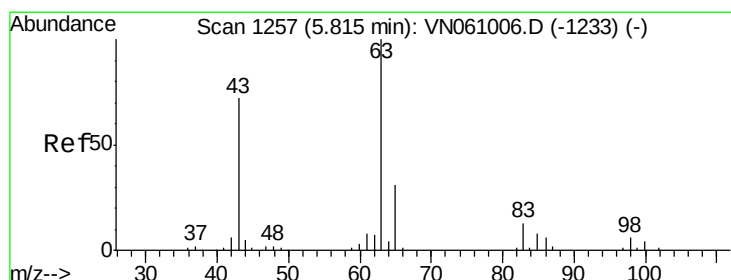
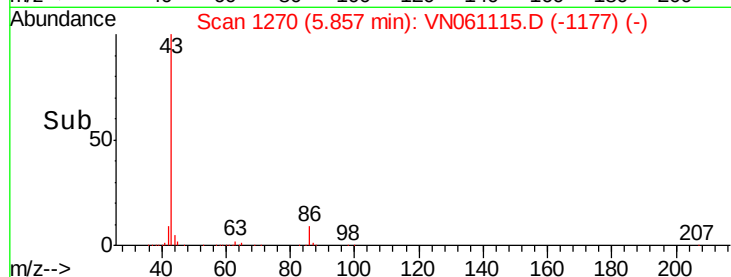
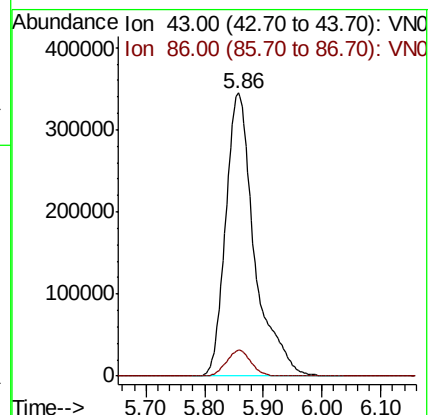
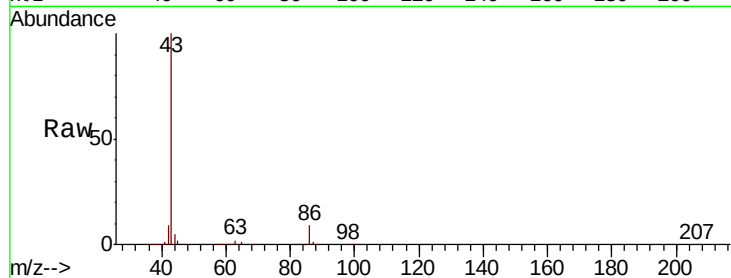
PA-TWP-2MSD

Tot Ion: 43 Resp: 1173940

Ion Ratio Lower Upper

43 100

86 9.1 7.3 10.9



#24

1,1-Dichloroethane

Concen: 50.994 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

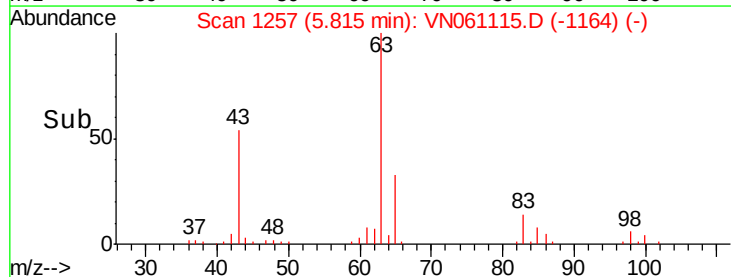
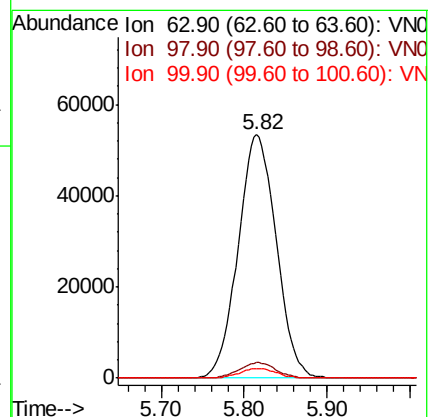
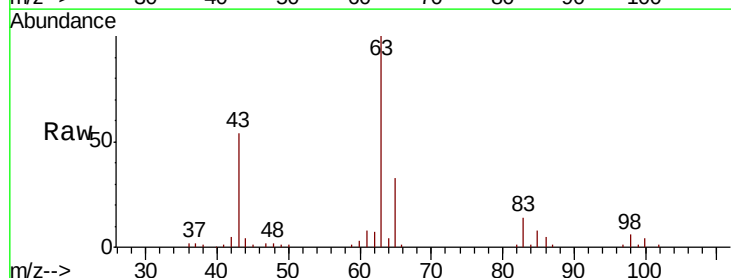
Tgt Ion: 63 Resp: 170414

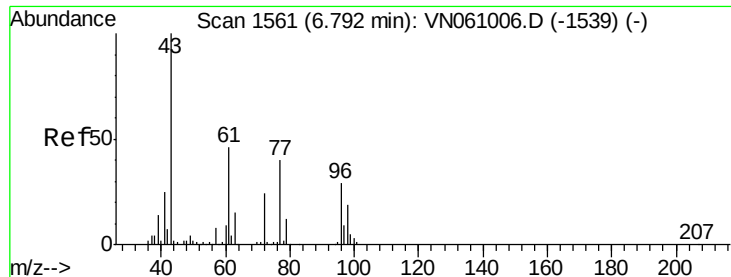
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 239.955 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

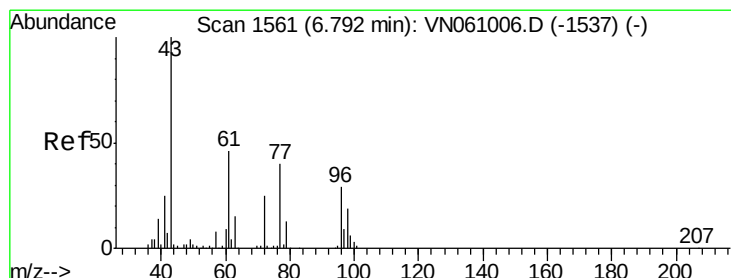
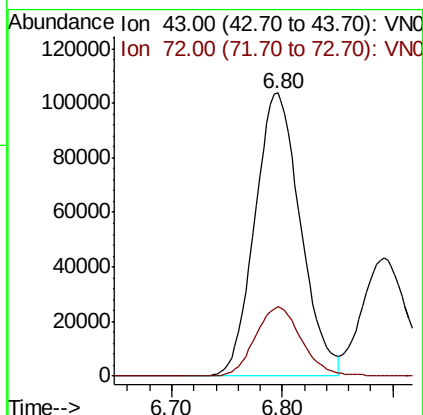
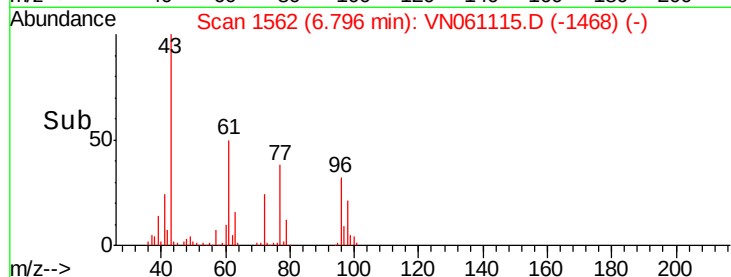
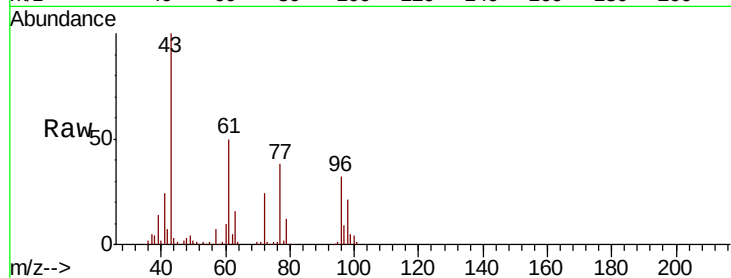
PA-TWP-2MSD

Tot Ion: 43 Resp: 297944

Ion Ratio Lower Upper

43 100

72 24.5 19.6 29.4



#26

2,2-Dichloropropane

Concen: 45.135 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061115.D

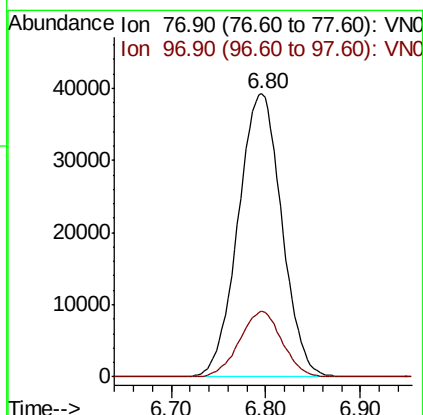
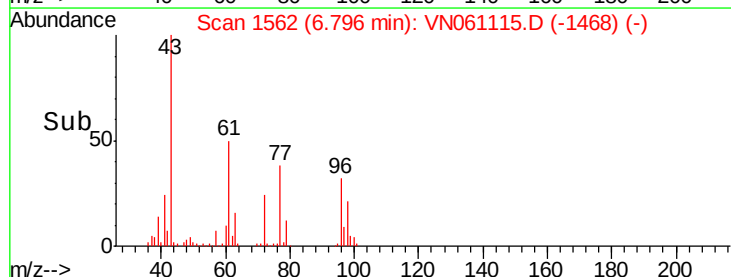
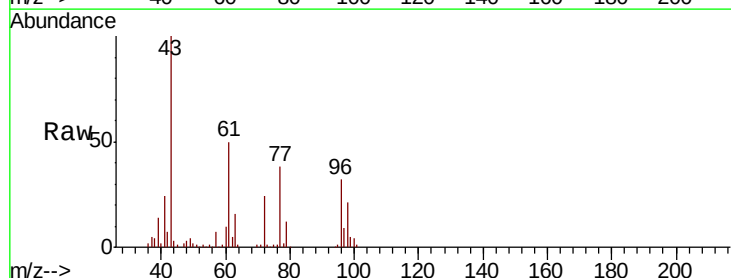
Acq: 20 Apr 2020 20:23

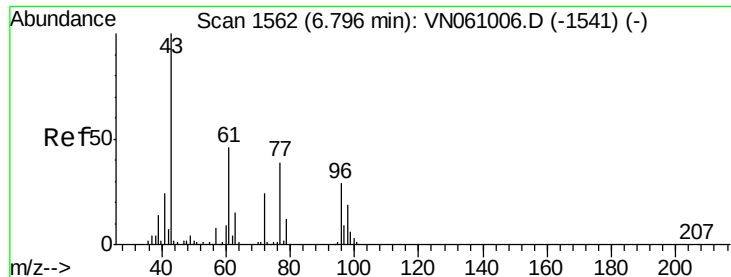
Tgt Ion: 77 Resp: 125589

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6

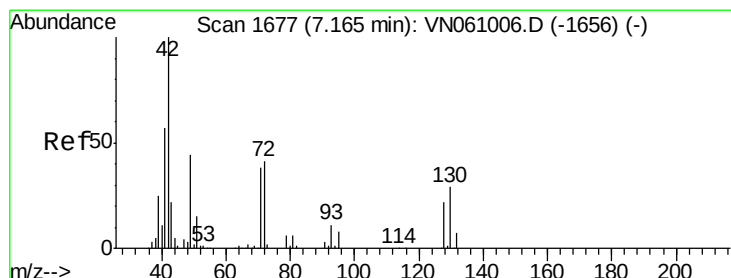
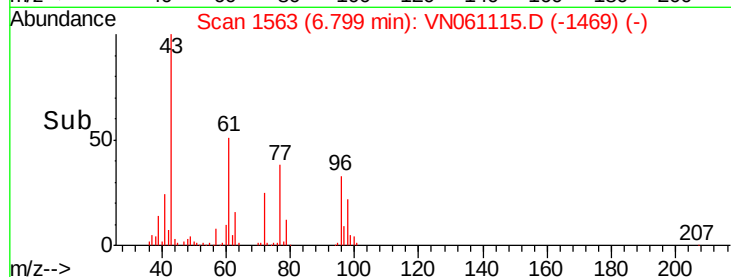
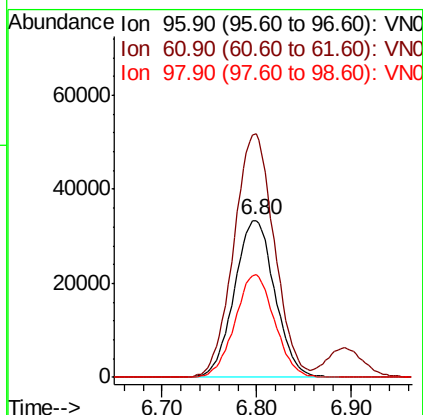
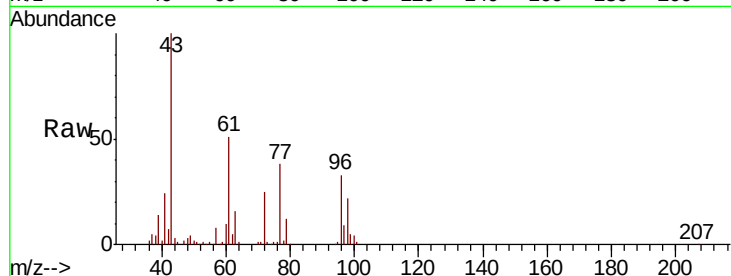




#27
 cis-1,2-Dichloroethene
 Concen: 51.262 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

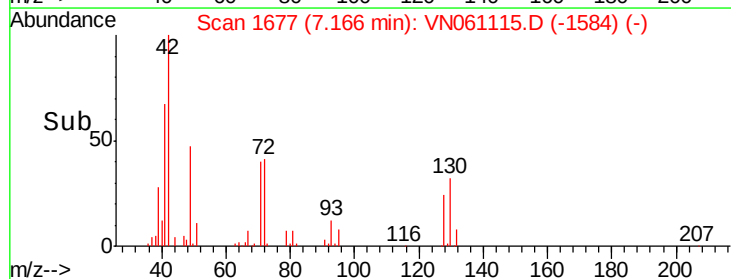
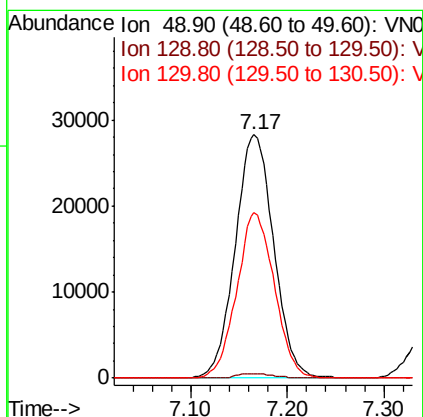
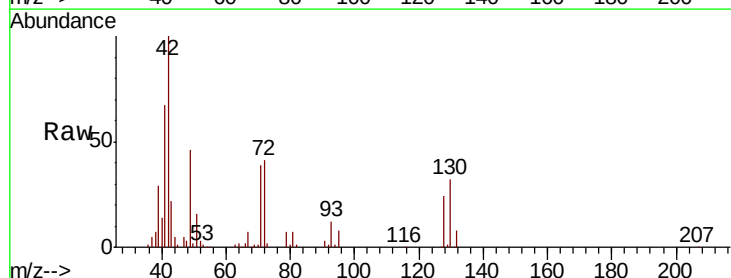
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

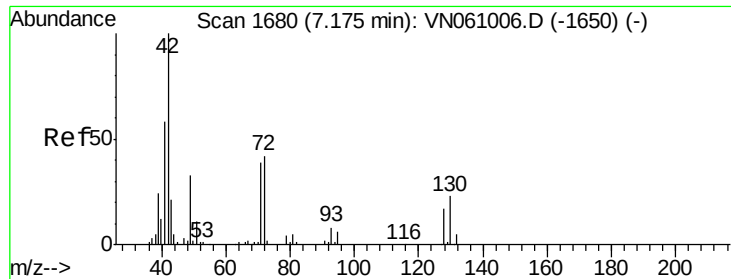
Tot Ion: 96 Resp: 99114
 Ion Ratio Lower Upper
 96 100
 61 155.7 0.0 317.4
 98 64.1 0.0 127.8



#28
 Bromochloromethane
 Concen: 50.993 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 49 Resp: 78224
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 66.3 52.9 79.3

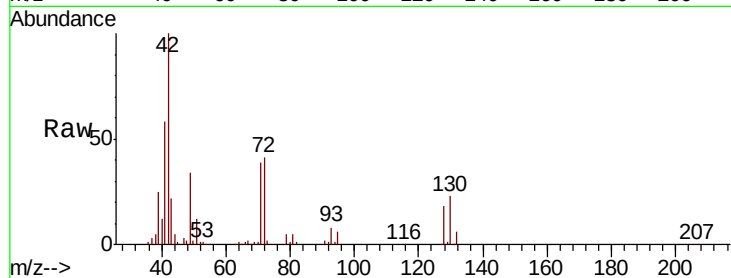




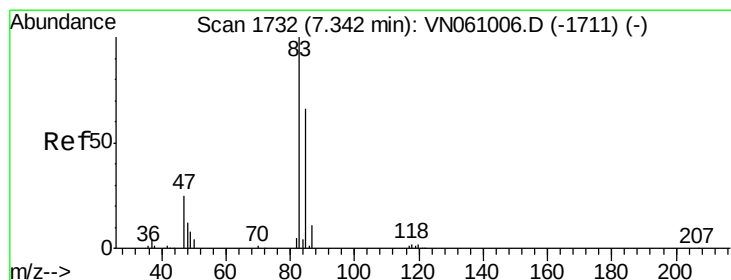
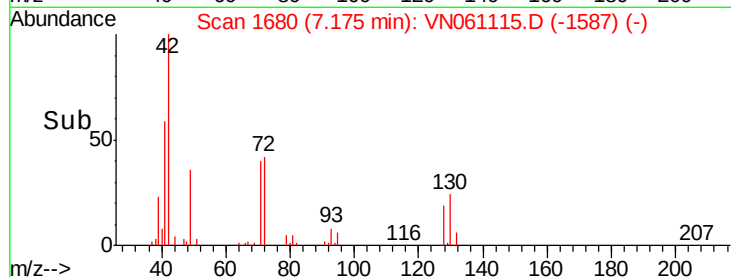
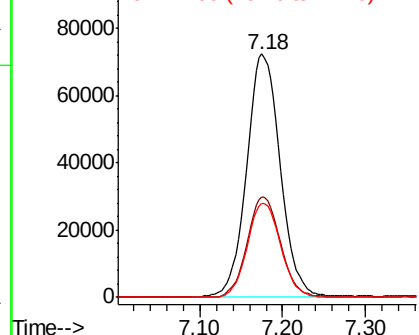
#29
Tetrahydrofuran
Concen: 242.425 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion: 42 Resp: 204353
Ion Ratio Lower Upper
42 100
72 40.7 32.1 48.1
71 38.4 30.5 45.7

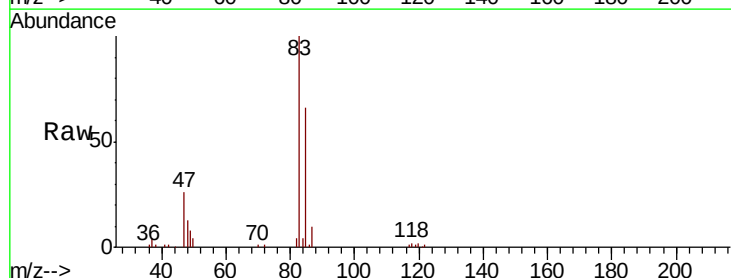


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

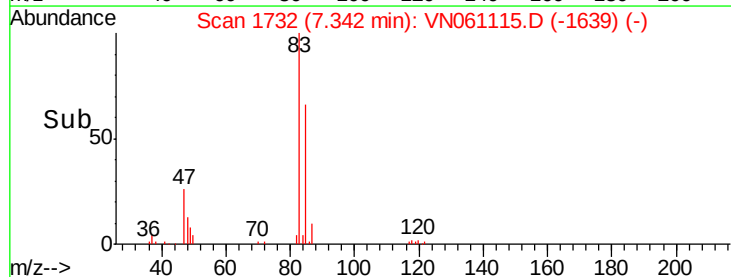
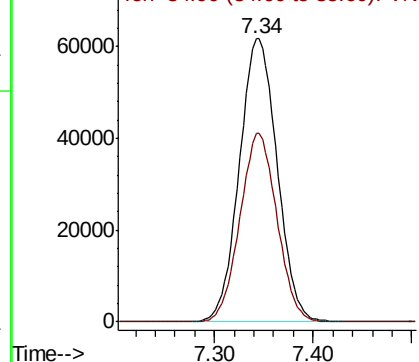


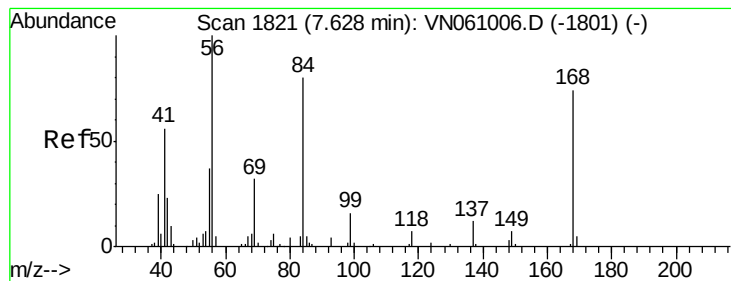
#30
Chloroform
Concen: 52.432 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 83 Resp: 163433
Ion Ratio Lower Upper
83 100
85 66.4 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: 44.916 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

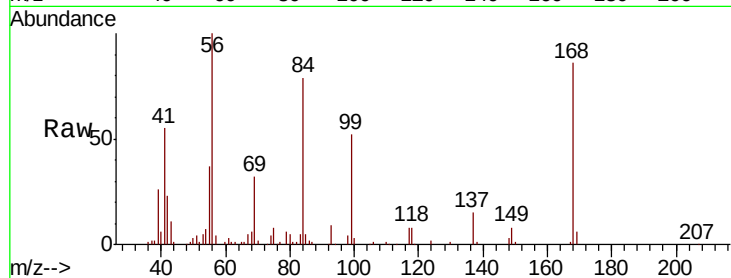
Tot Ion: 56 Resp: 154028

Ion Ratio Lower Upper

56 100

69 32.4 25.6 38.4

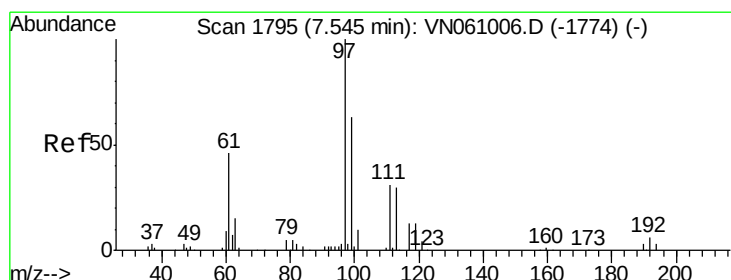
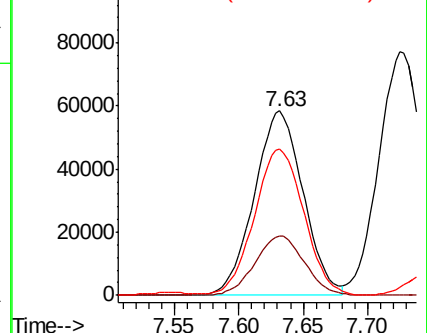
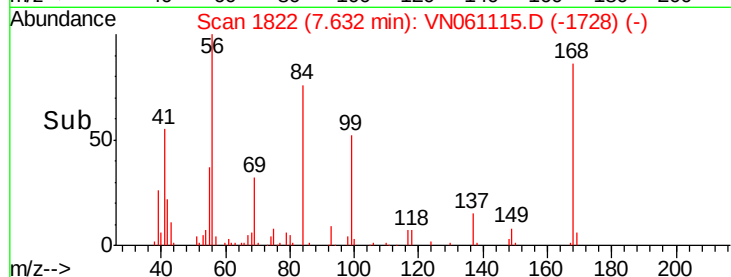
84 78.1 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VN061115.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN061115.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN061115.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 51.435 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

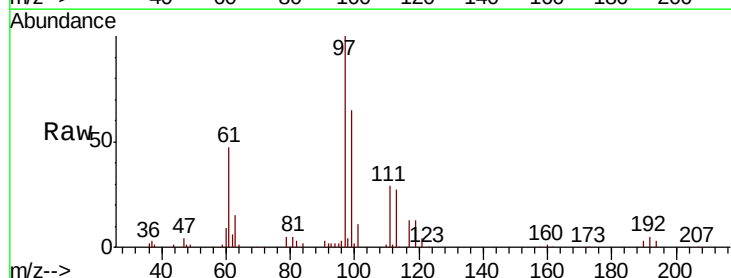
Tgt Ion: 97 Resp: 138677

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

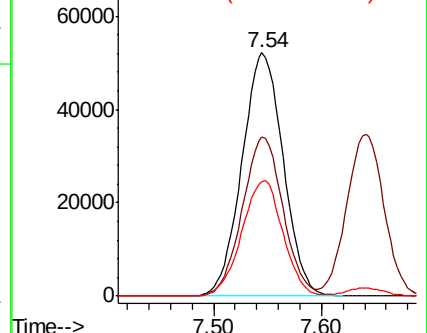
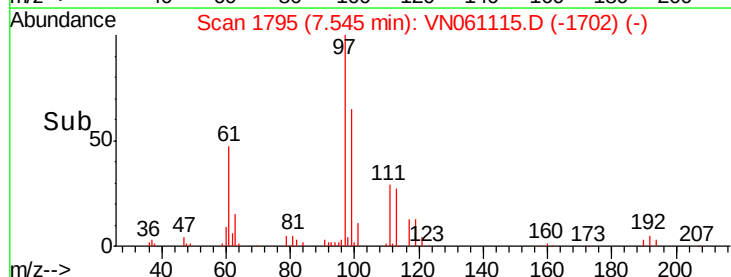
61 47.4 37.0 55.6

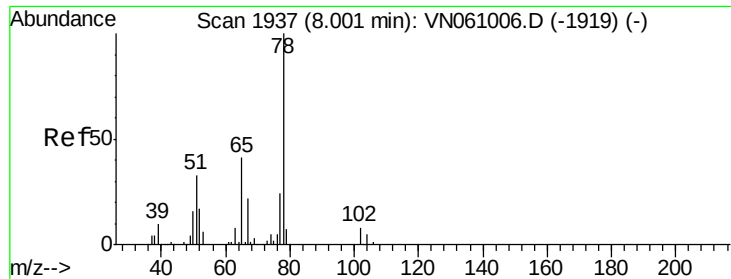


Abundance Ion 96.90 (96.60 to 97.60): VN061115.D (-1702) (-)

Ion 98.90 (98.60 to 99.60): VN061115.D (-1702) (-)

Ion 60.90 (60.60 to 61.60): VN061115.D (-1702) (-)

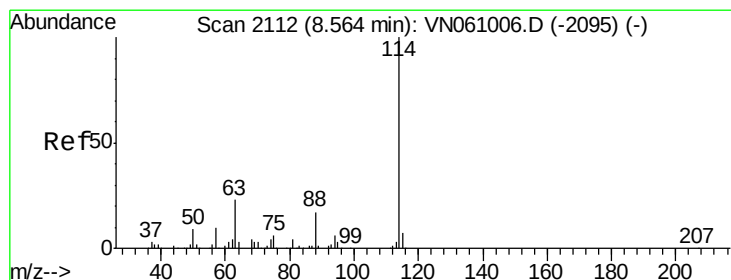
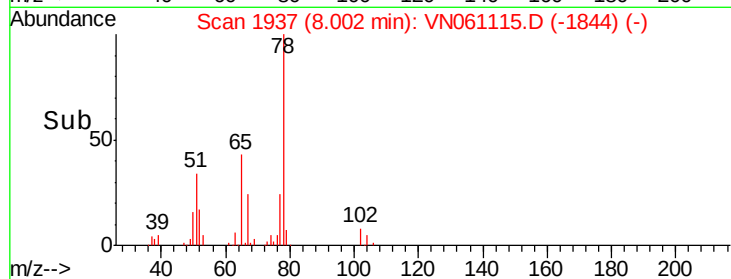
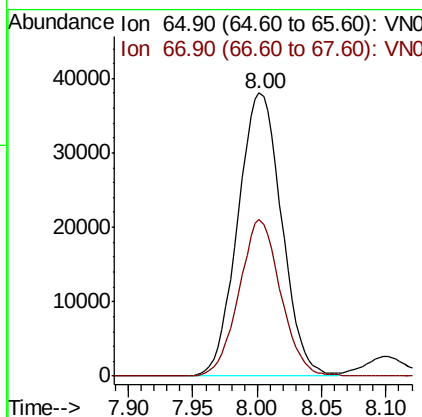
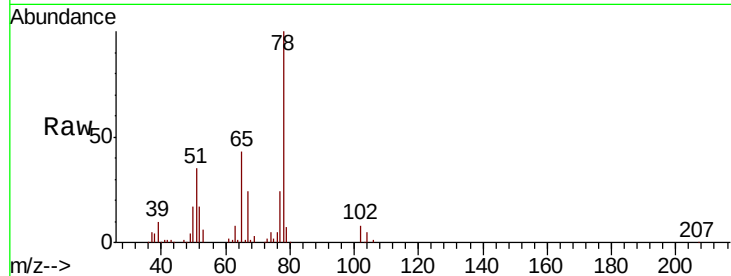




#33
 1,2-Dichloroethane-d4
 Concen: 48.871 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

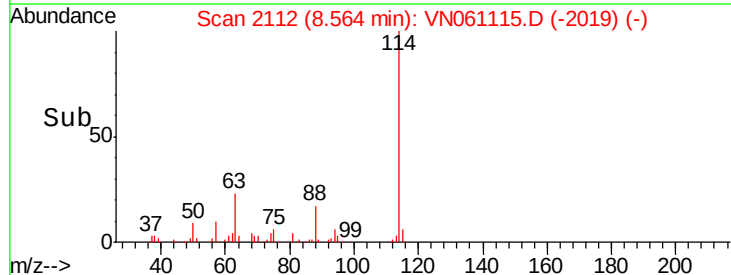
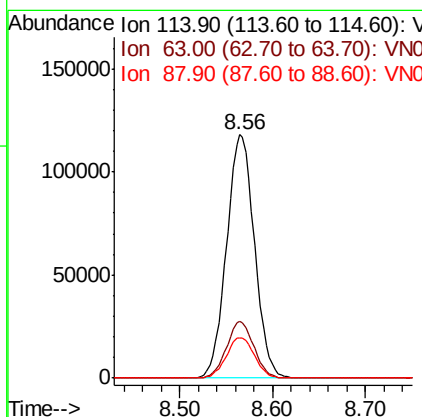
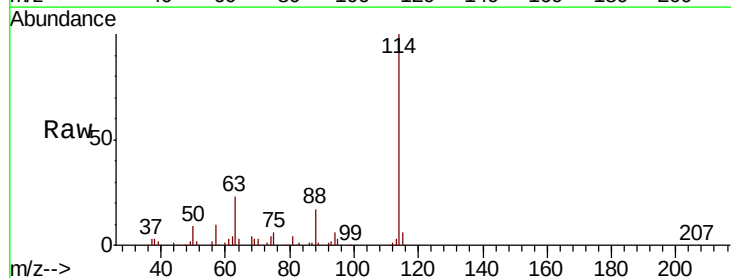
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

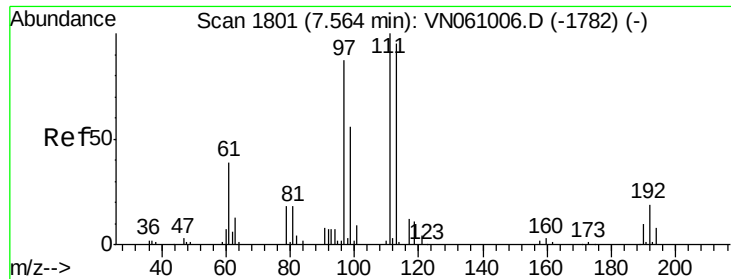
Tot Ion: 65 Resp: 89969
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 114 Resp: 245986
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.2
 88 16.7 0.0 33.4

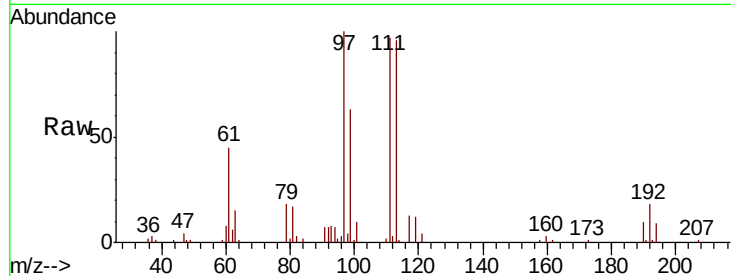




#35
 Dibromofluoromethane
 Concen: 48.543 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.4	125.2
192	19.2	15.5	23.3

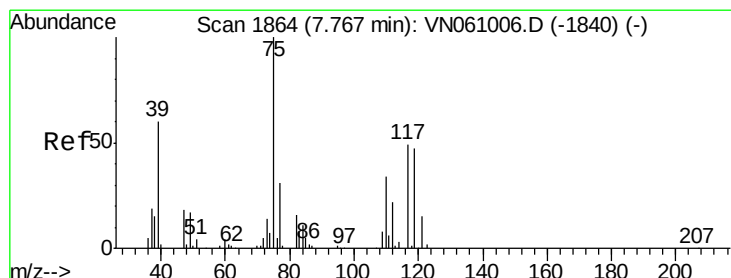
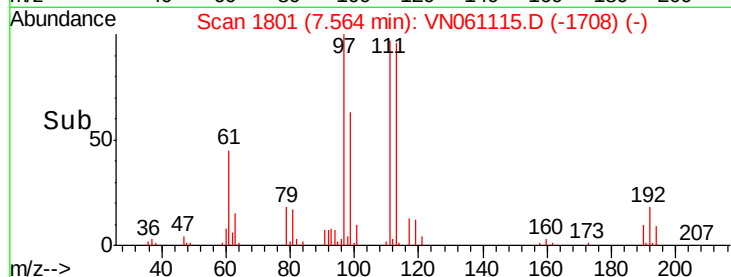
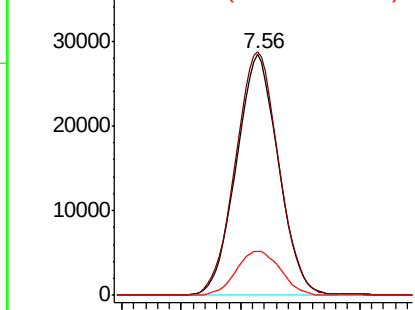


Abundance

Ion 112.80 (112.50 to 113.50): V

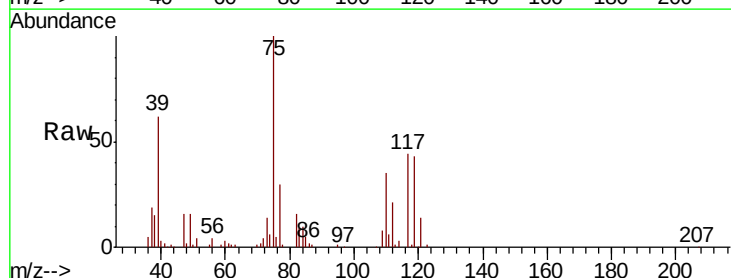
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.437 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.3
77	30.8	24.7	37.1

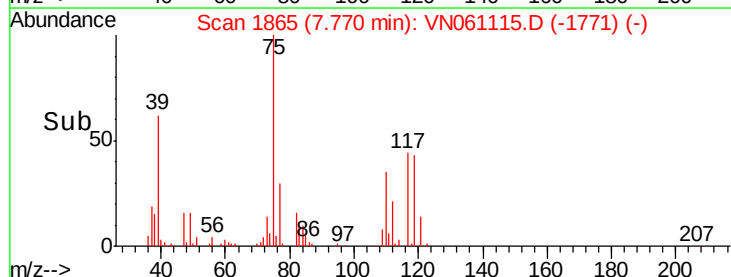
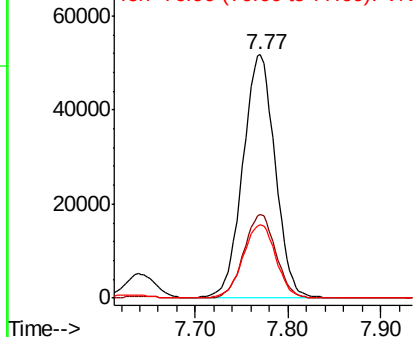


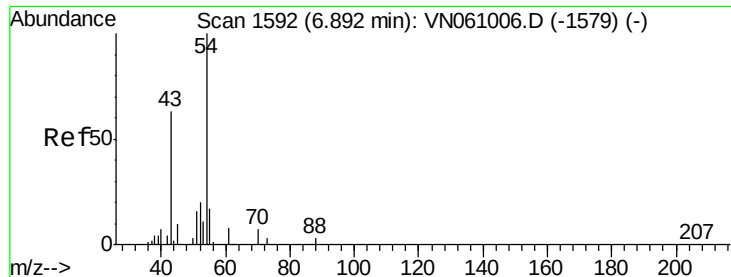
Abundance

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

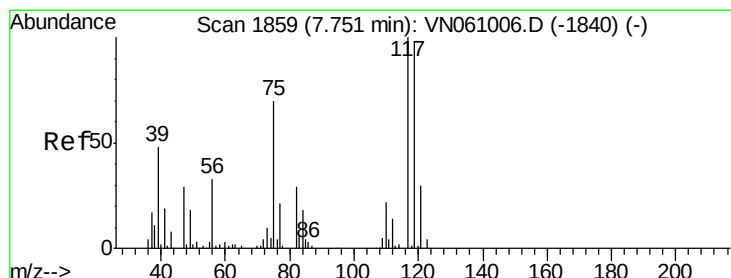
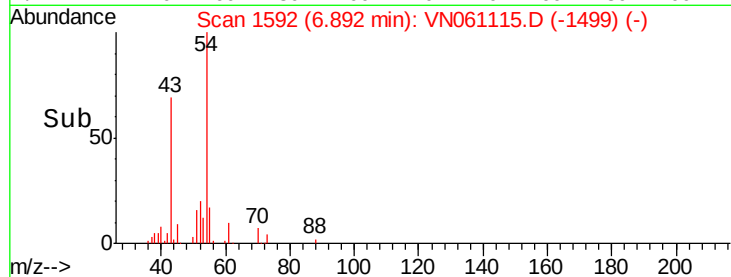
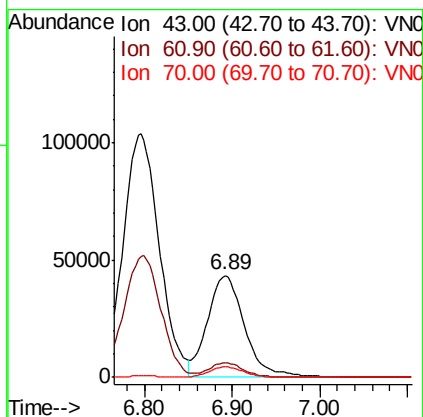
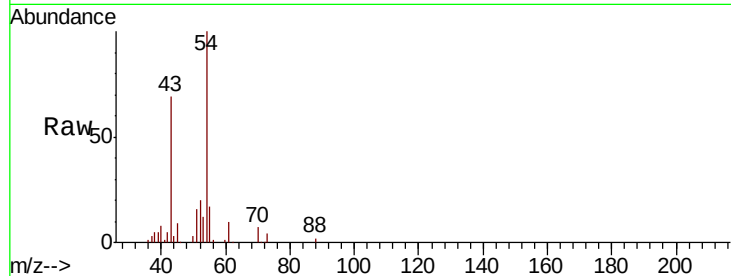




#37
Ethyl Acetate
Concen: 45.798 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

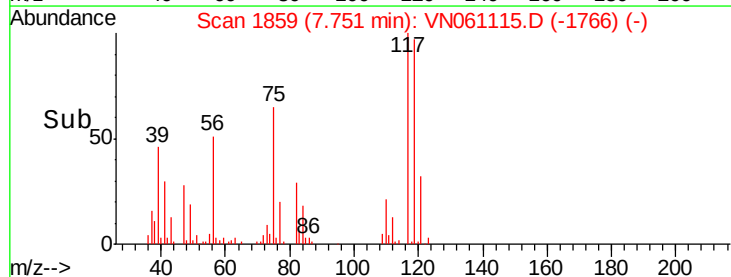
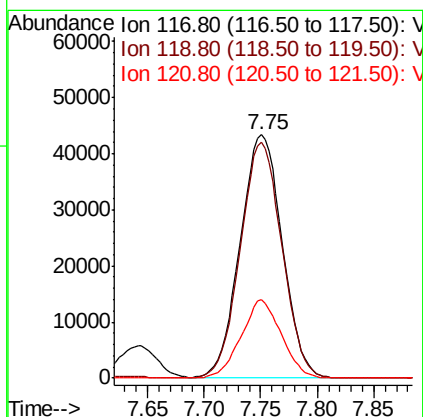
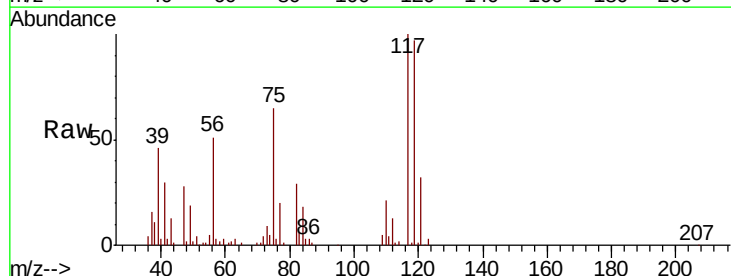
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

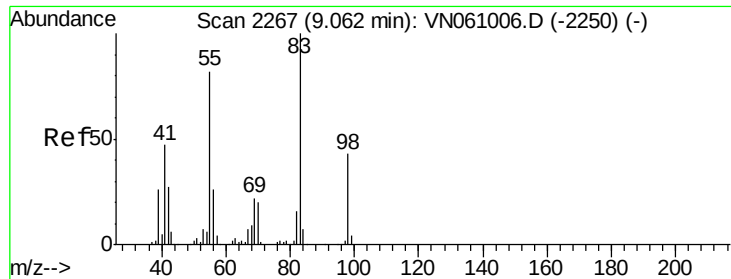
Tot Ion	43	Resp	126231
Ion Ratio	Lower	Upper	
43	100		
61	13.7	10.9	16.3
70	9.7	7.7	11.5



#38
Carbon Tetrachloride
Concen: 53.182 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion	117	Resp	112367
Ion Ratio	Lower	Upper	
117	100		
119	96.8	78.1	117.1
121	32.2	24.0	36.0

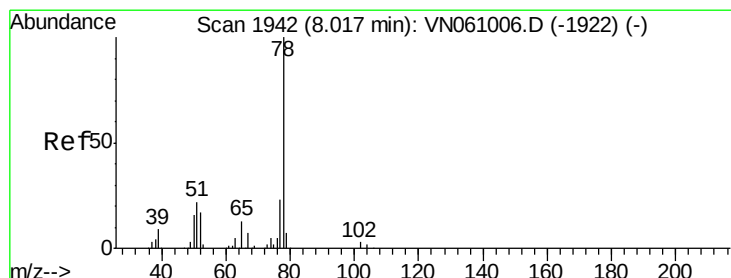
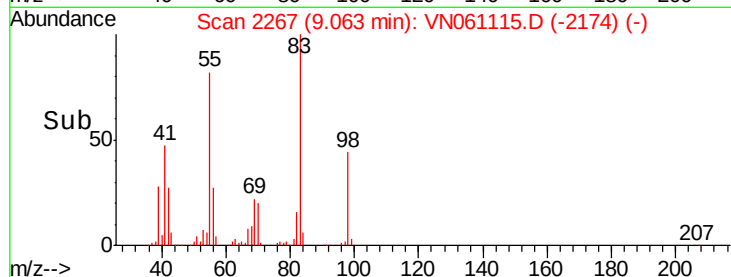
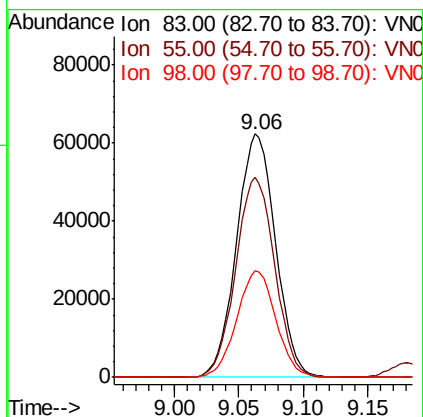
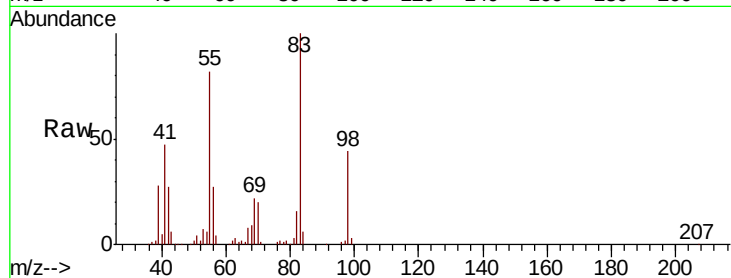




#39
Methylvlcyclohexane
Concen: 43.366 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

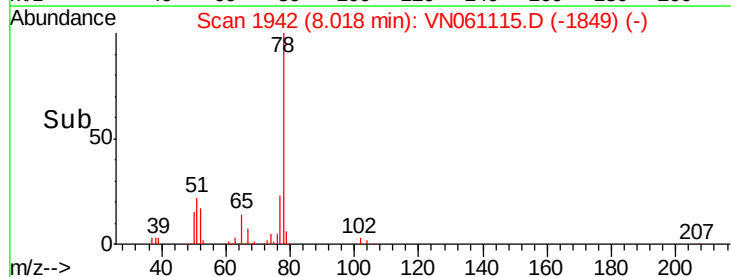
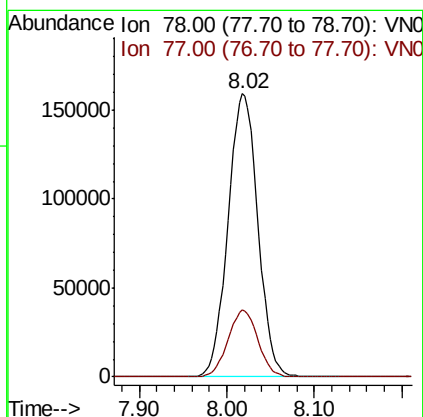
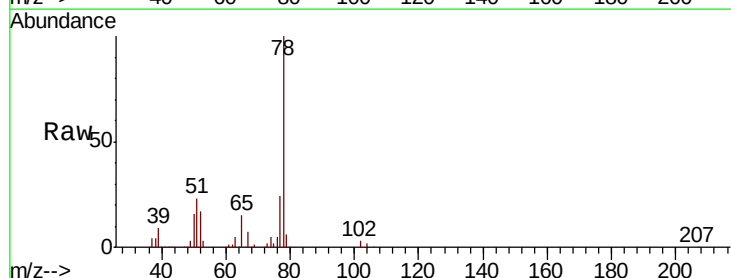
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

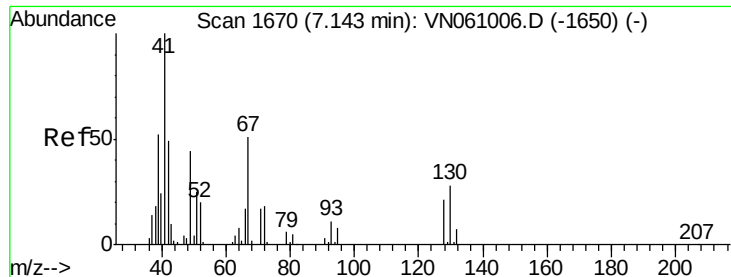
Tot Ion: 83 Resp: 131605
Ion Ratio Lower Upper
83 100
55 82.1 65.4 98.0
98 43.7 34.6 51.8



#40
Benzene
Concen: 49.985 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 78 Resp: 376412
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

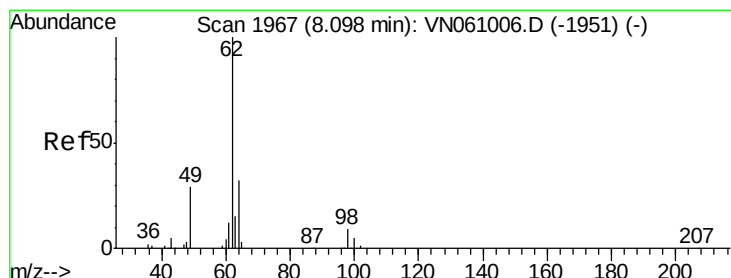
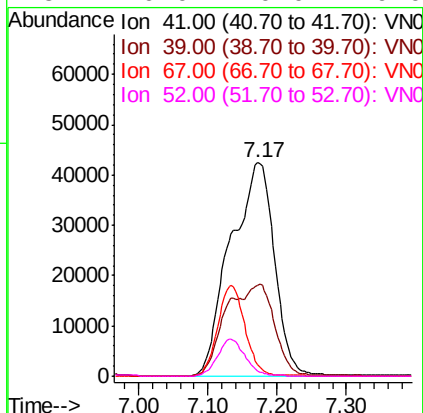
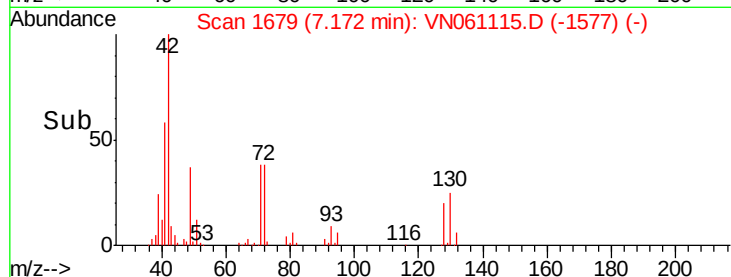
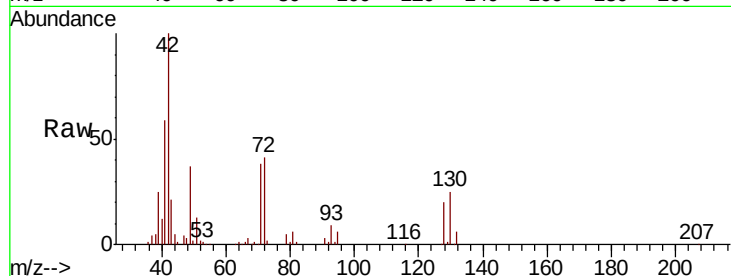




#41
Methacrylonitrile
Concen: 162.698 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.03 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

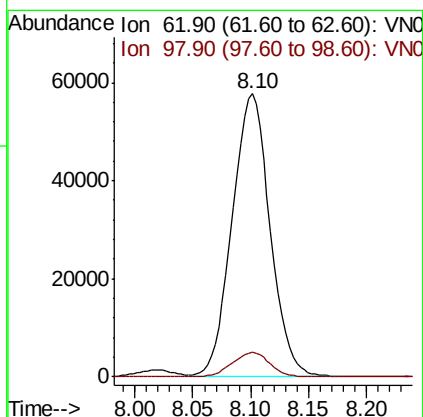
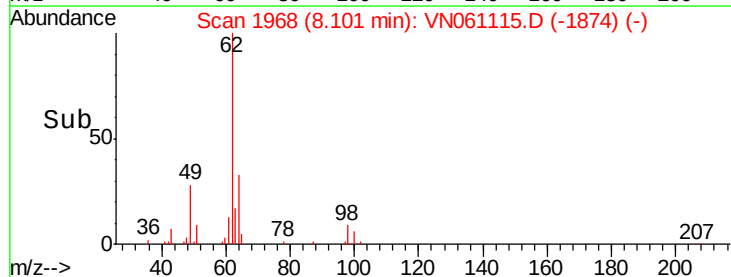
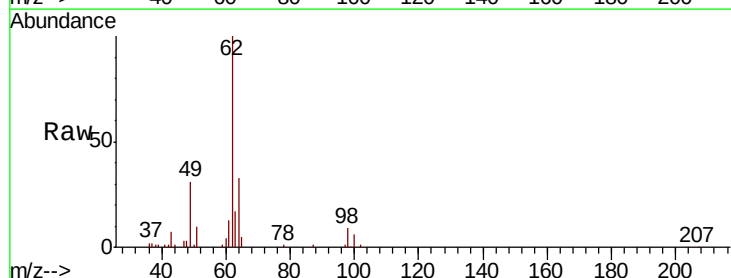
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

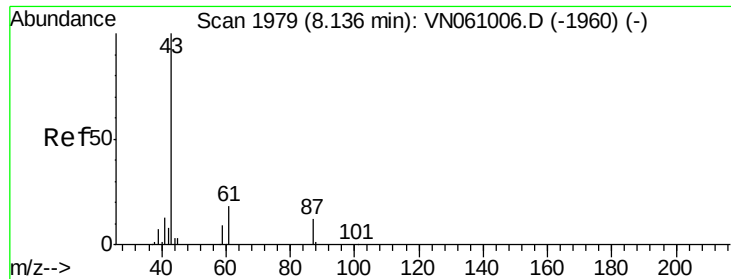
Tot Ion:	41	Resp:	187043
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 51.146 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion:	62	Resp:	131204
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 48.250 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

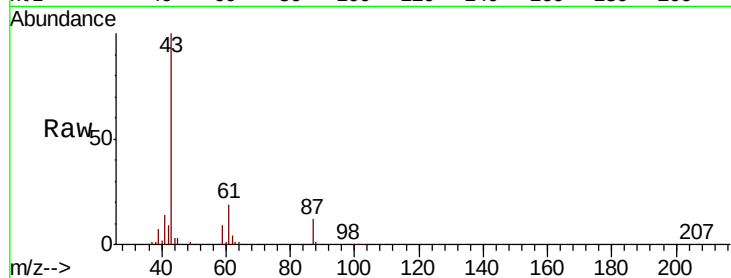
Tot Ion: 43 Resp: 216289

Ion Ratio Lower Upper

43 100

61 25.6 20.3 30.5

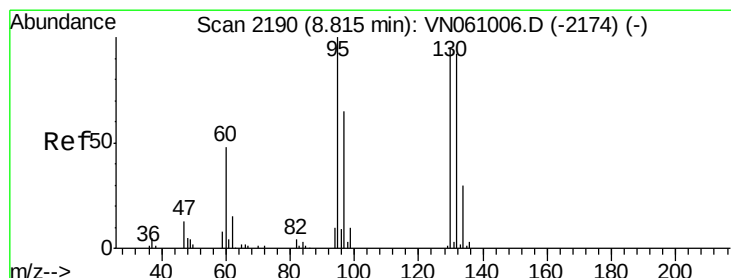
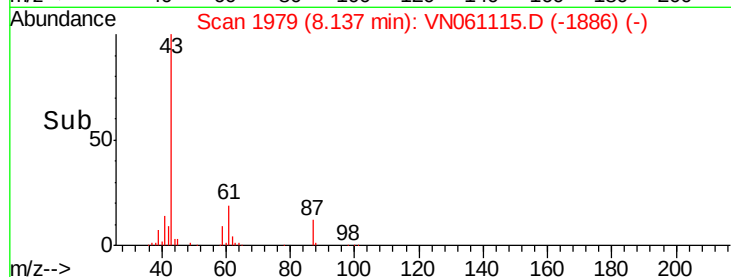
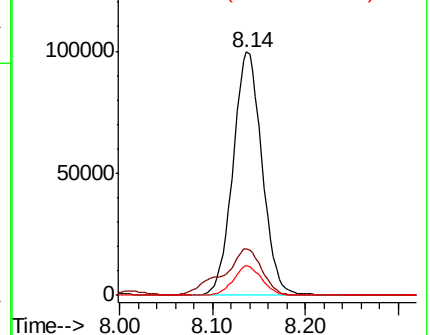
87 11.9 9.4 14.2



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) (-)



#44

Trichloroethene

Concen: 48.459 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061115.D

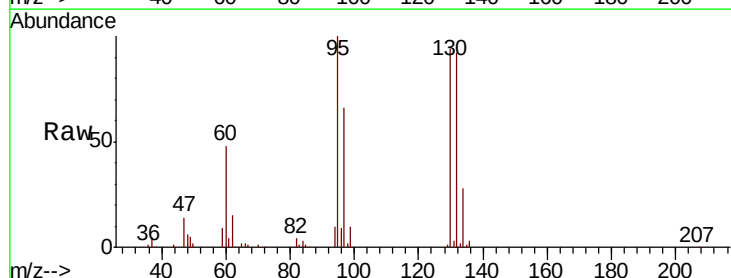
Acq: 20 Apr 2020 20:23

Tgt Ion:130 Resp: 91693

Ion Ratio Lower Upper

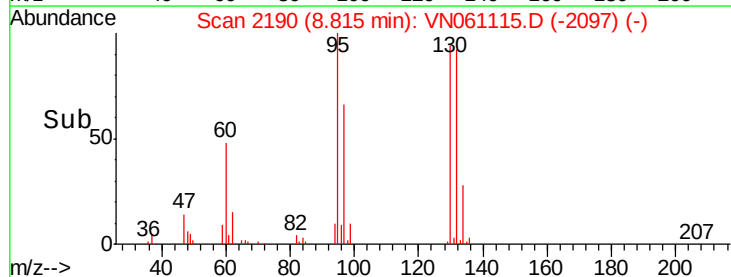
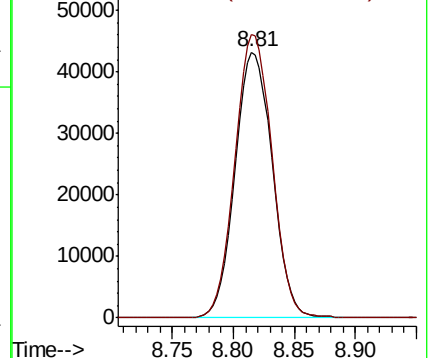
130 100

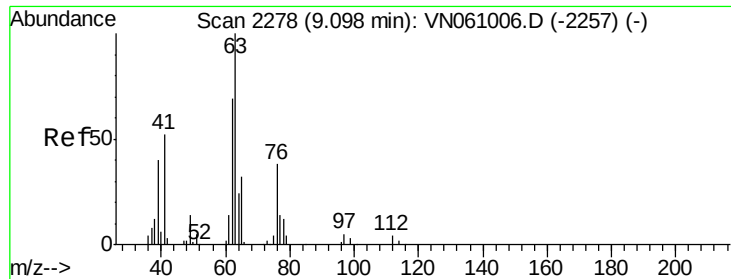
95 106.4 0.0 210.0



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

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

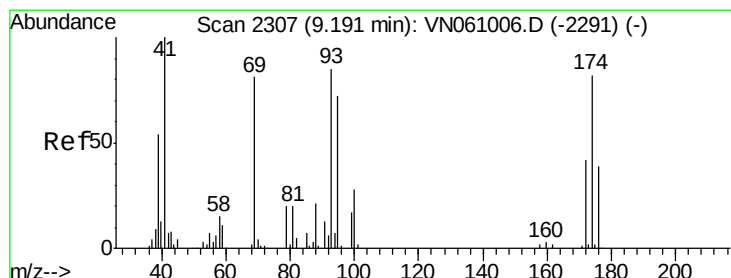
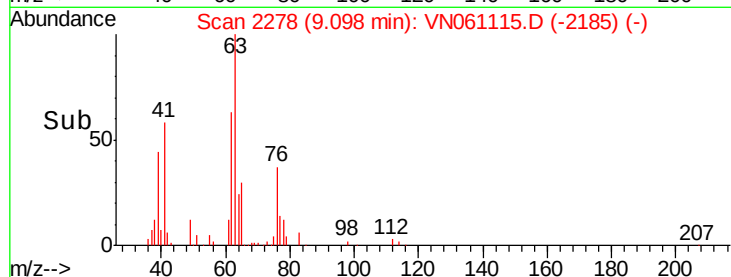
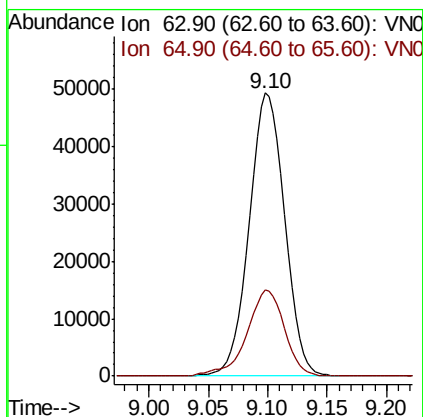
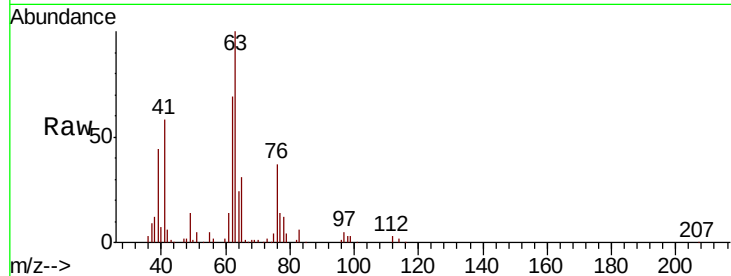




#45
 1,2-Dichloropropane
 Concen: 50.191 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

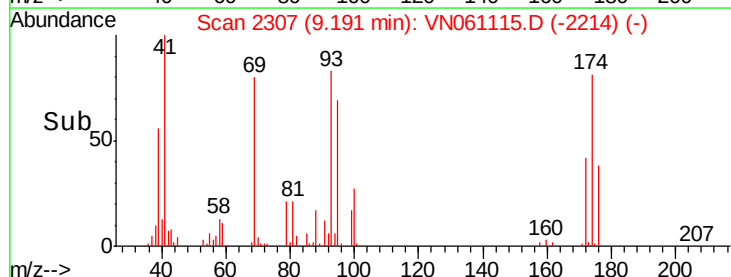
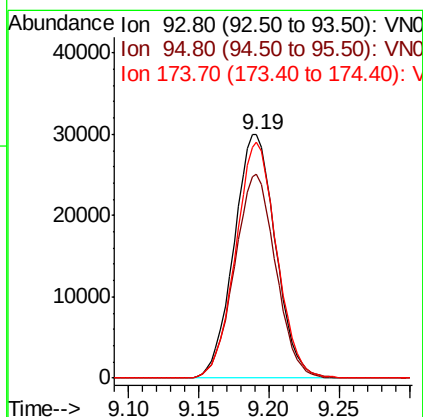
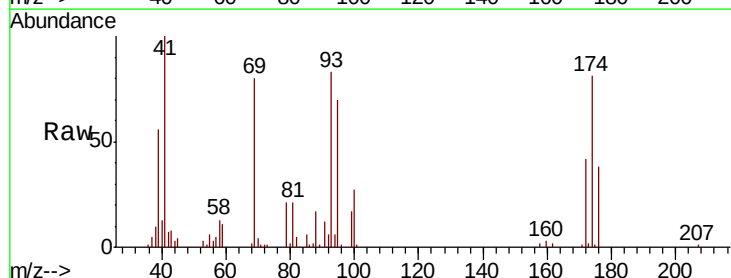
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

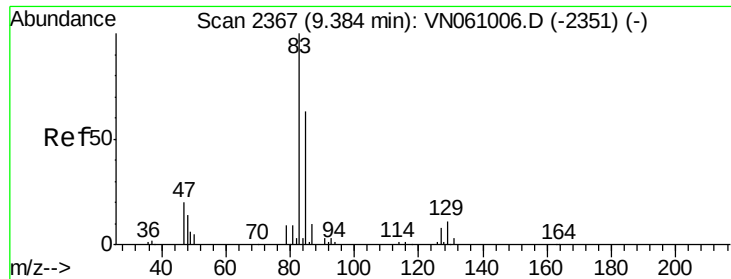
Tot Ion: 63 Resp: 102088
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.2 37.8



#46
 Dibromomethane
 Concen: 52.686 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 93 Resp: 61786
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.8 100.2
 174 95.3 76.2 114.4

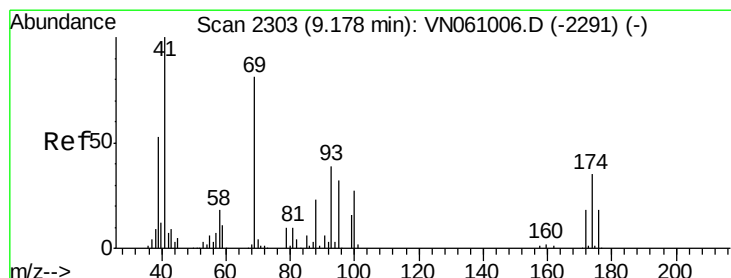
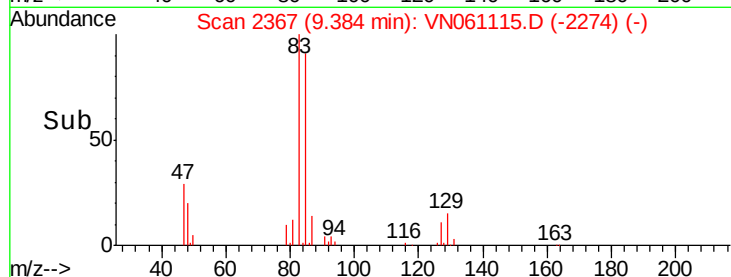
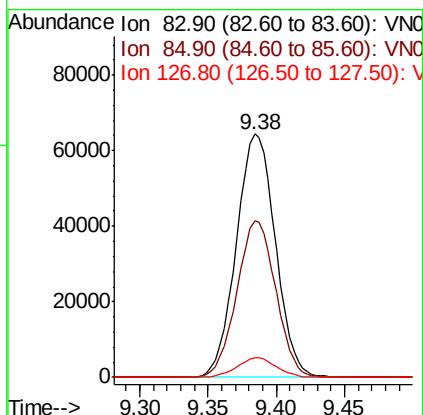
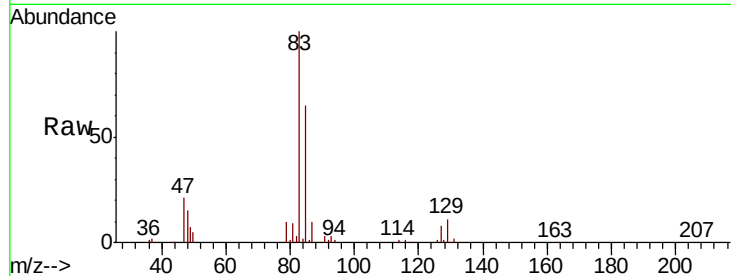




#47
 Bromodichloromethane
 Concen: 51.733 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

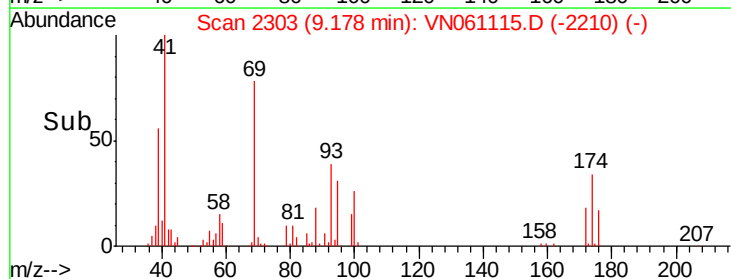
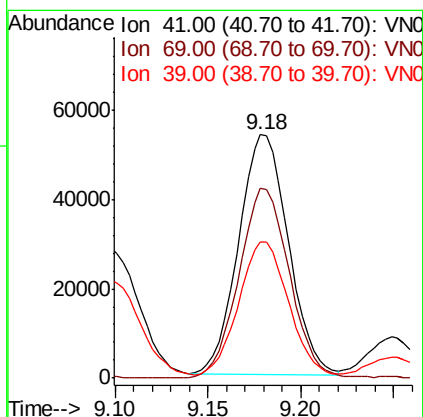
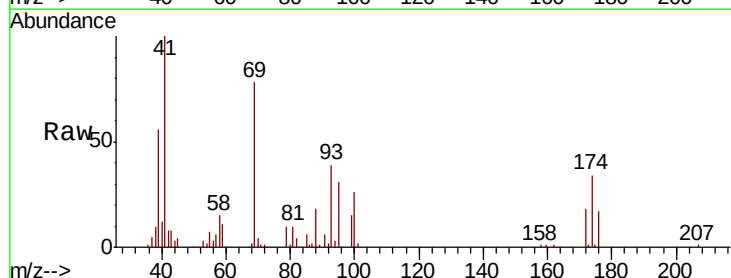
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

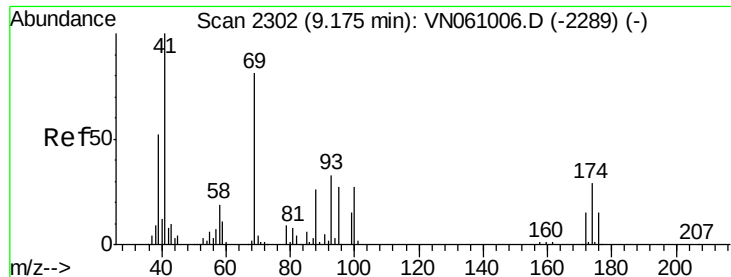
Tot Ion: 83 Resp: 128164
 Ion Ratio Lower Upper
 83 100
 85 64.5 50.6 76.0
 127 8.1 6.1 9.1



#48
 Methyl methacrylate
 Concen: 50.490 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 41 Resp: 100020
 Ion Ratio Lower Upper
 41 100
 69 80.5 65.3 97.9
 39 57.9 45.2 67.8

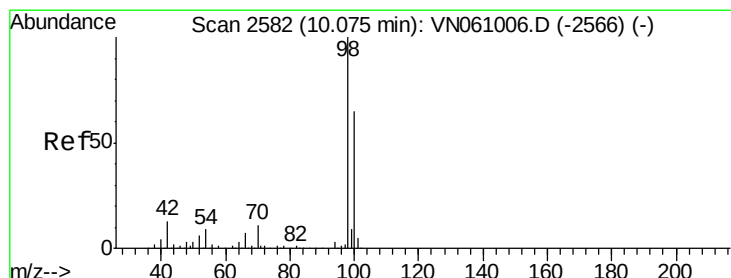
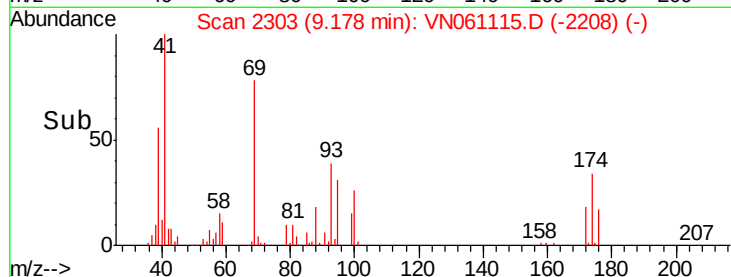
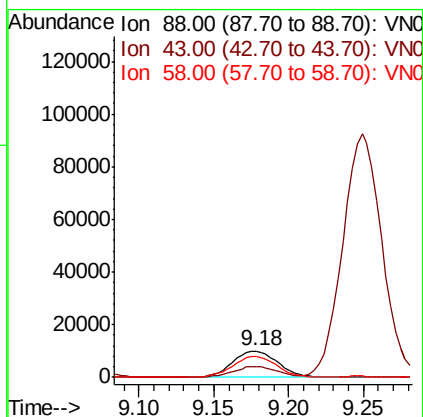
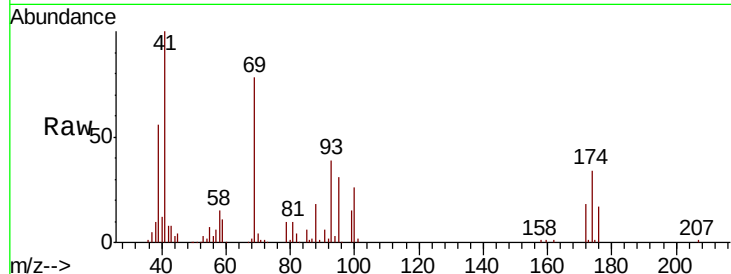




#49
 1,4-Dioxane
 Concen: 768.463 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

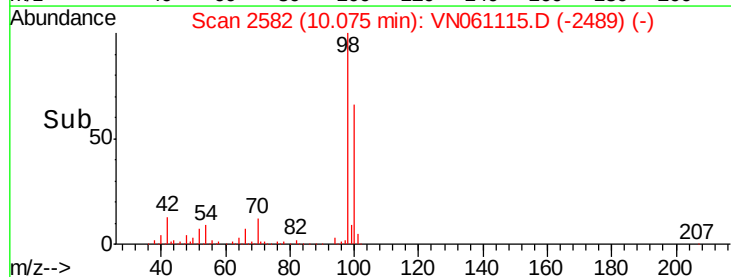
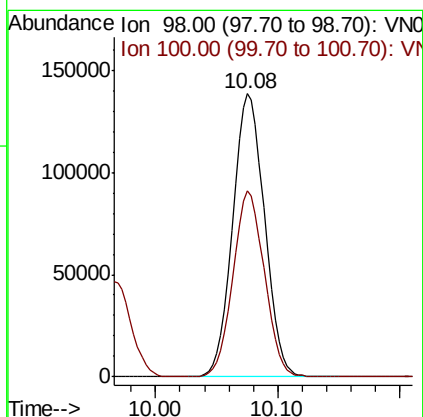
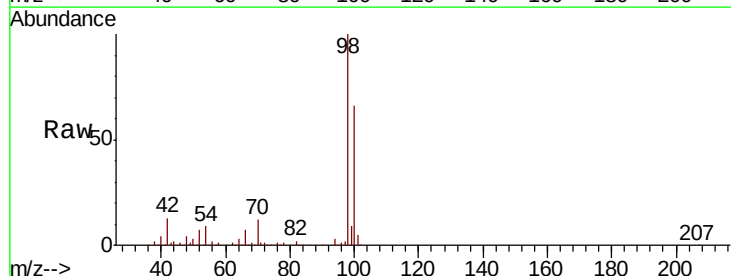
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

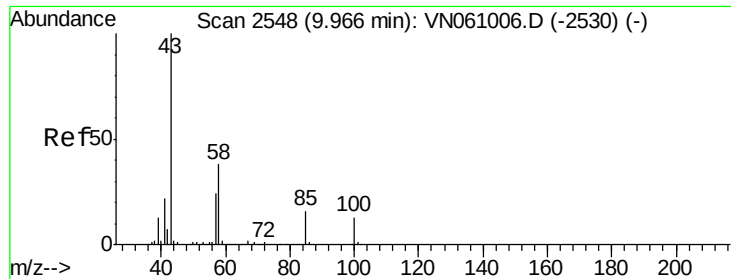
Tot Ion: 88 Resp: 21049
 Ion Ratio Lower Upper
 88 100
 43 41.5 30.9 46.3
 58 77.7 59.8 89.8



#50
 Toluene-d8
 Concen: 46.140 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 98 Resp: 250463
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 248.395 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

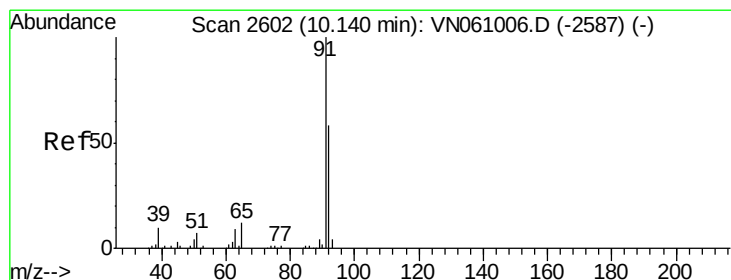
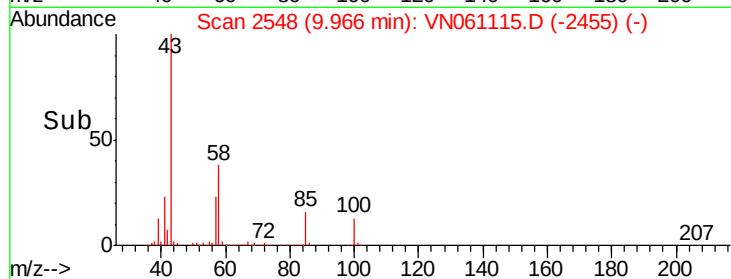
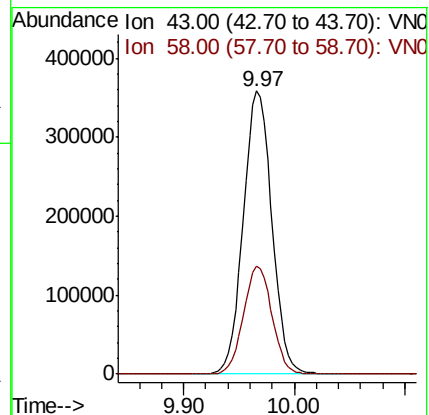
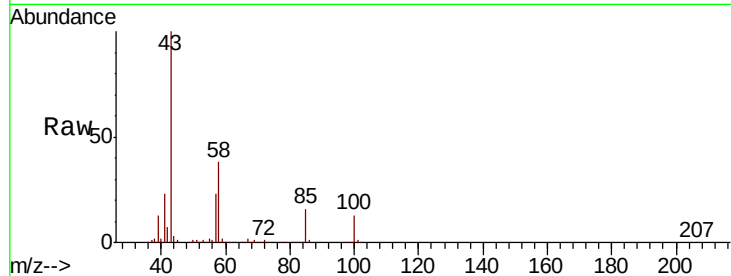
PA-TWP-2MSD

Tot Ion: 43 Resp: 641883

Ion Ratio Lower Upper

43 100

58 38.1 30.3 45.5



#52

Toluene

Concen: 49.623 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061115.D

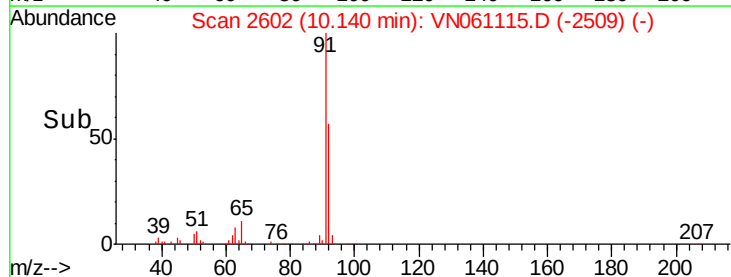
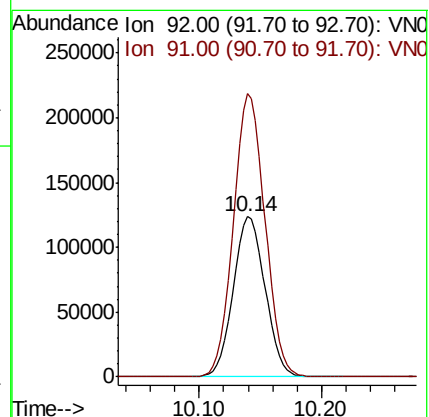
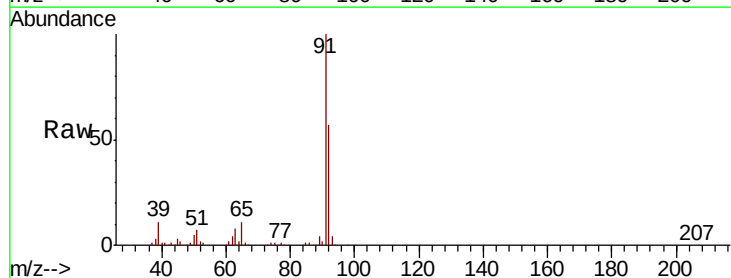
Acq: 20 Apr 2020 20:23

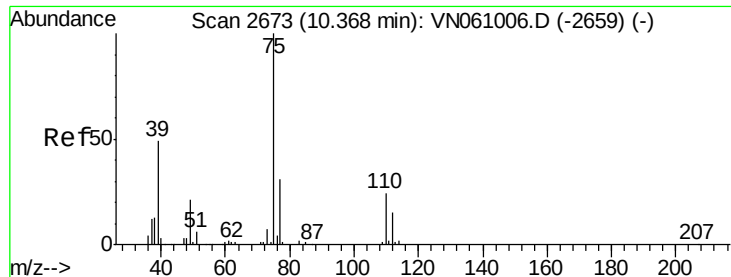
Tgt Ion: 92 Resp: 224179

Ion Ratio Lower Upper

92 100

91 175.6 137.7 206.5

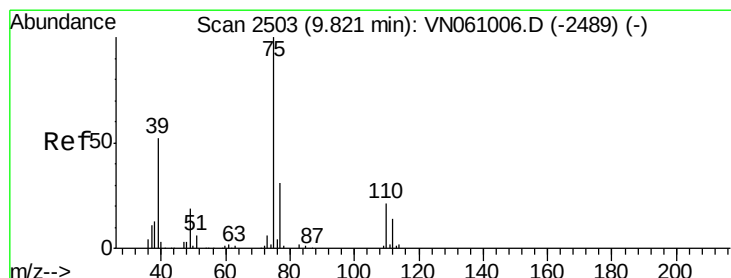
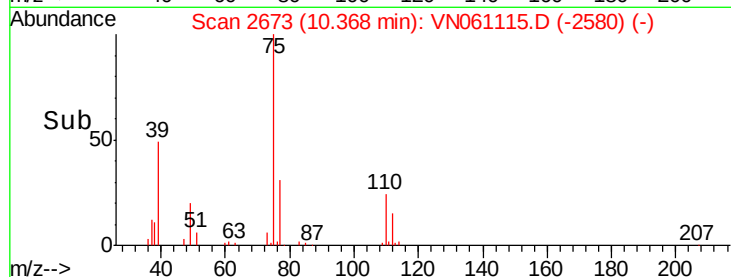
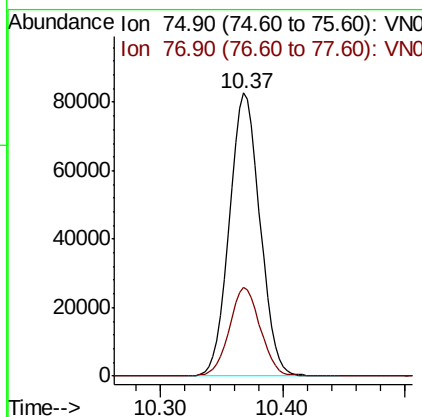
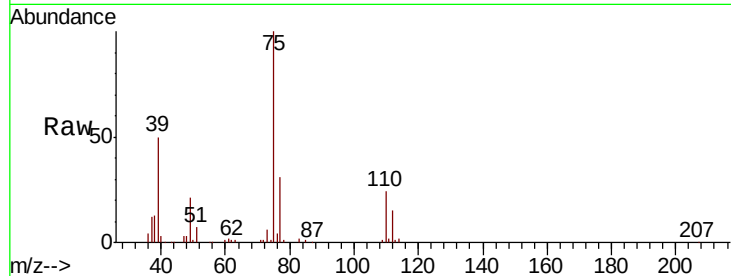




#53
t-1,3-Dichloropropene
Concen: 50.315 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

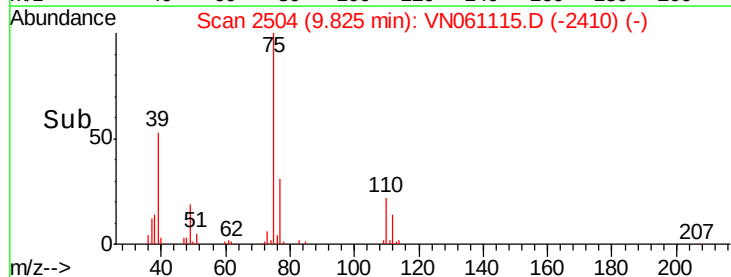
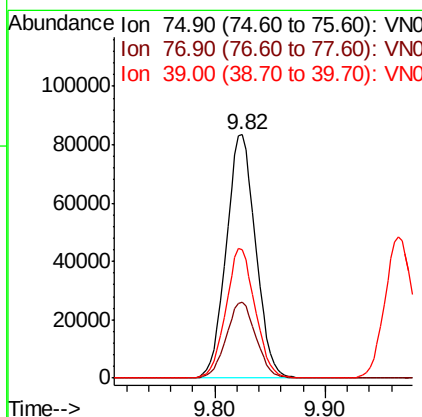
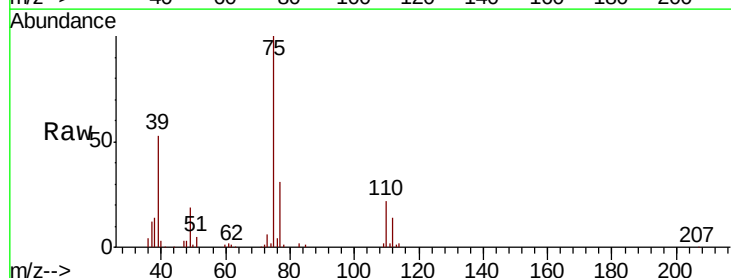
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

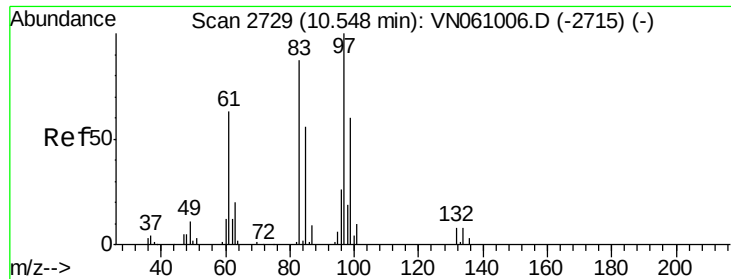
Tot Ion: 75 Resp: 144792
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 49.179 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 75 Resp: 154413
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 52.6 41.4 62.2

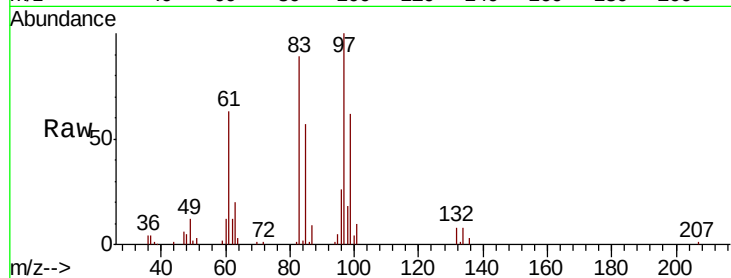




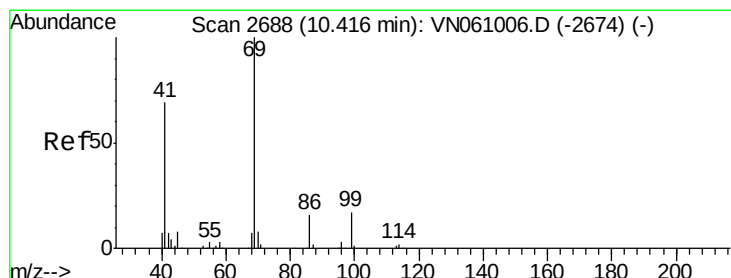
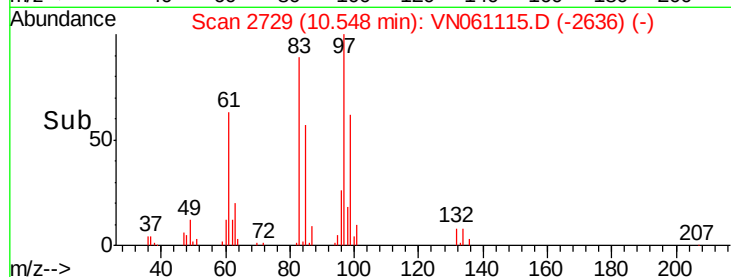
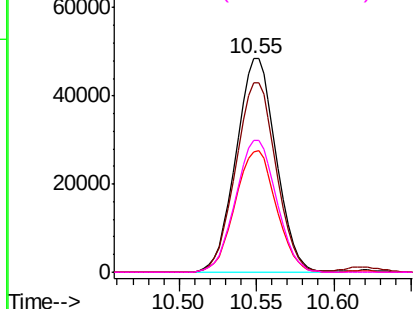
#55
 1,1,2-Trichloroethane
 Concen: 51.085 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion:	97	Resp:	87335
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.5	104.3
85	56.6	45.0	67.4
99	61.8	47.9	71.9

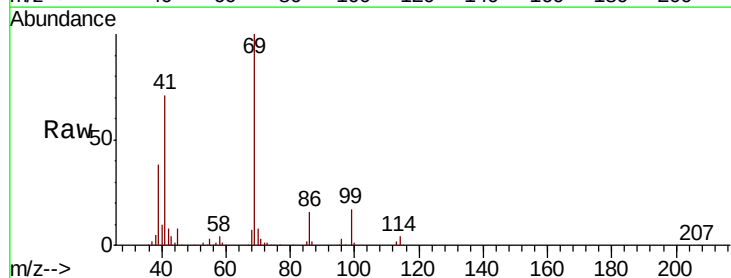


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

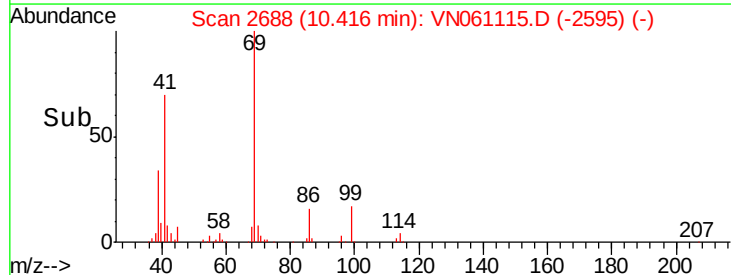
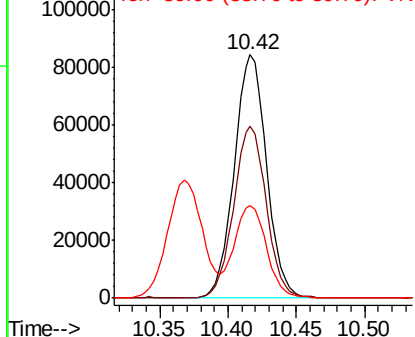


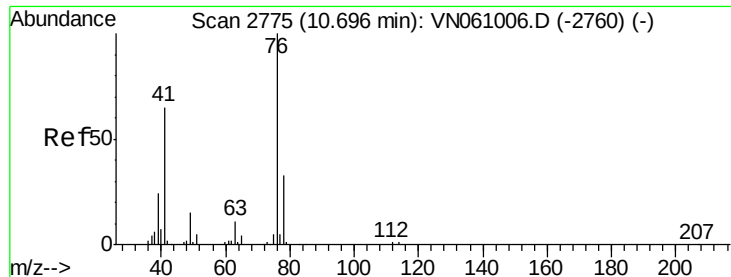
#56
 Ethyl methacrylate
 Concen: 51.636 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion:	69	Resp:	138814
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.7	85.1
39	38.2	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: 50.954 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

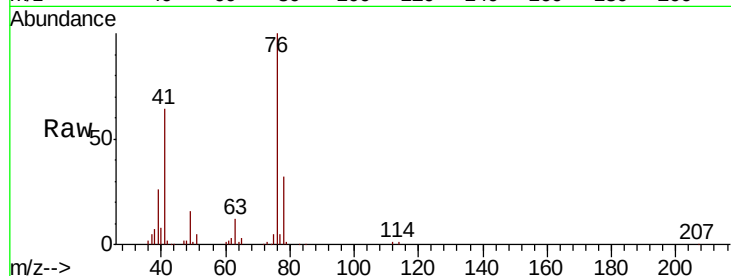
PA-TWP-2MSD

Tot Ion: 76 Resp: 155383

Ion Ratio Lower Upper

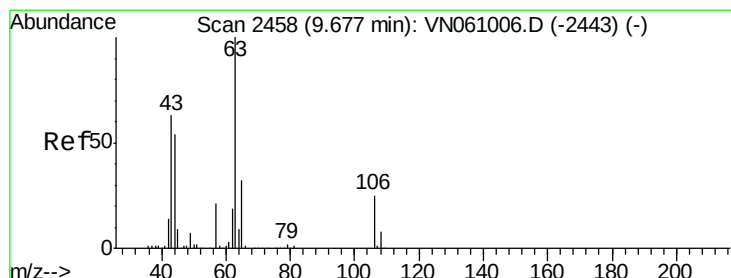
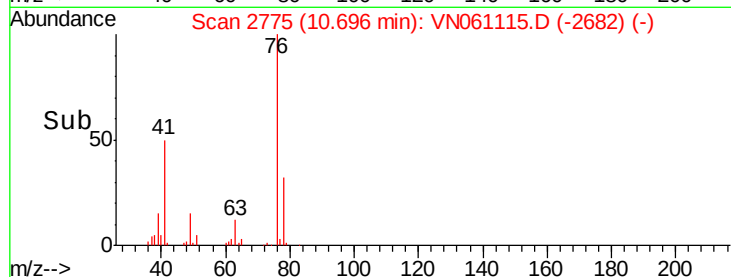
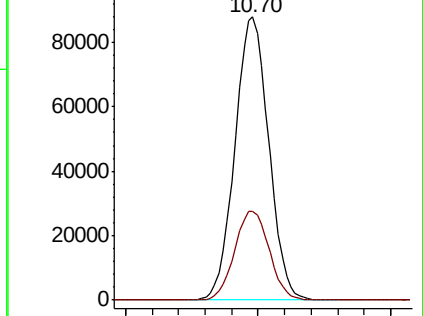
76 100

78 32.2 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN061115.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN061115.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.644 ug/l

RT: 9.82 min Scan# 2502

Delta R.T. 0.14 min

Lab File: VN061115.D

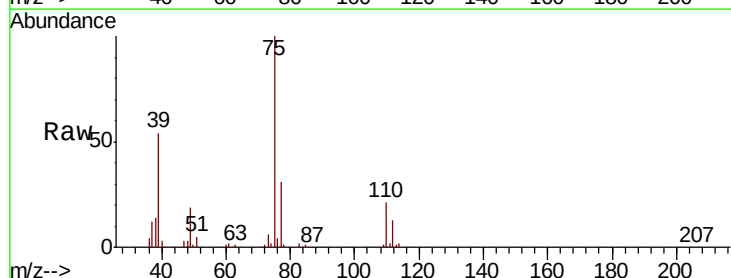
Acq: 20 Apr 2020 20:23

Tgt Ion: 63 Resp: 787

Ion Ratio Lower Upper

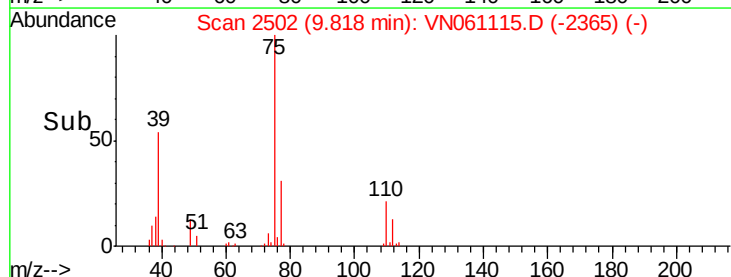
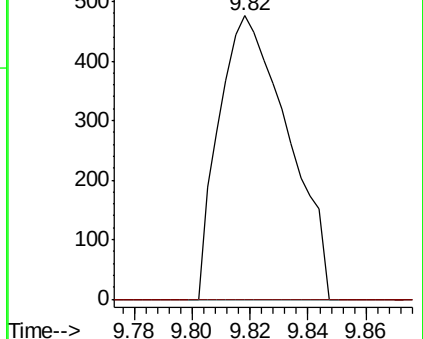
63 100

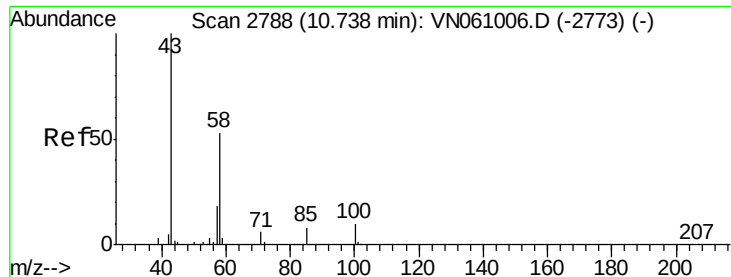
106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN061115.D (-2365) (-)

Ion 105.90 (105.60 to 106.60): VN061115.D (-2365) (-)

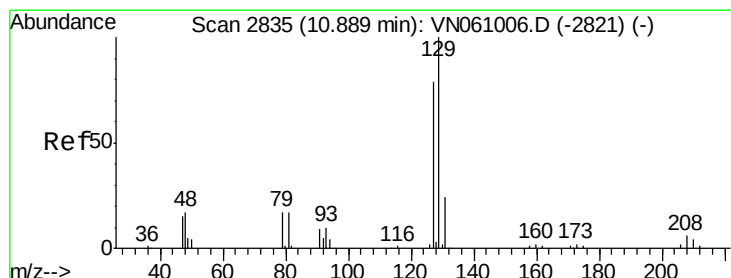
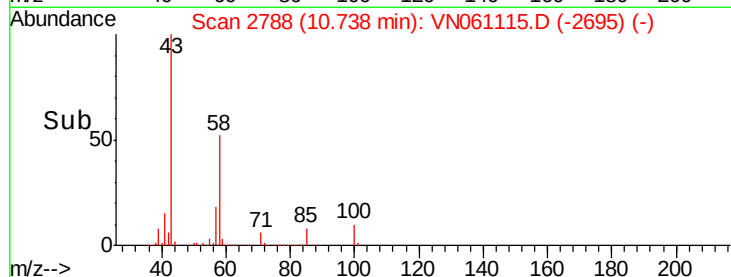
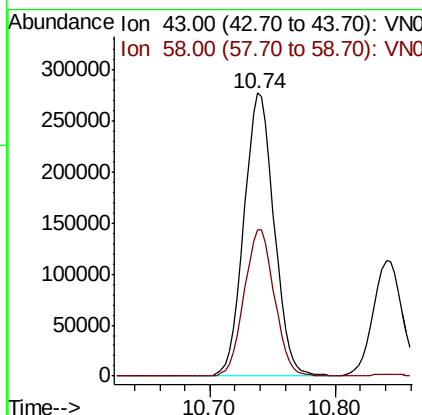
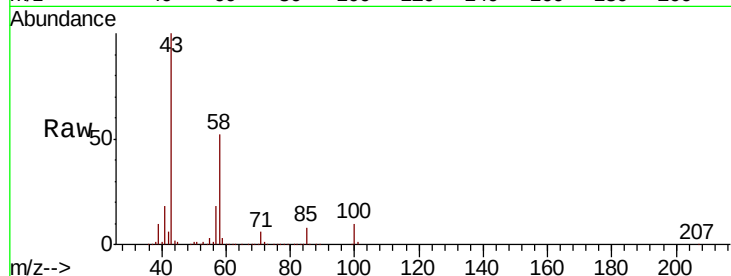




#59
2-Hexanone
Concen: 249.102 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

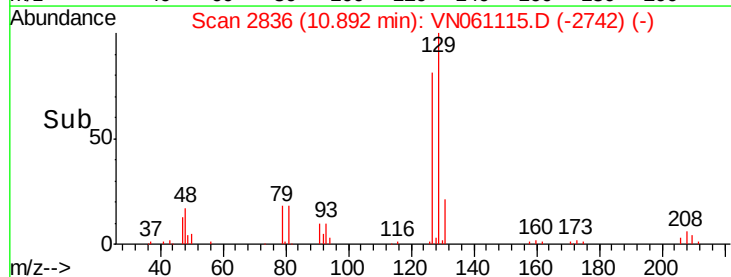
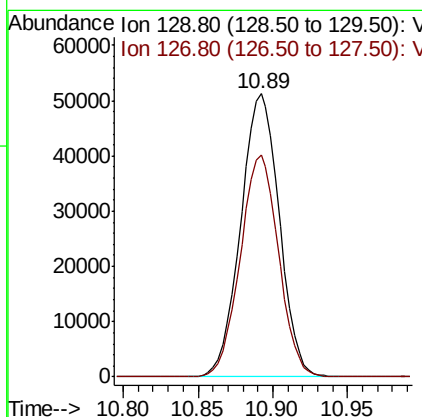
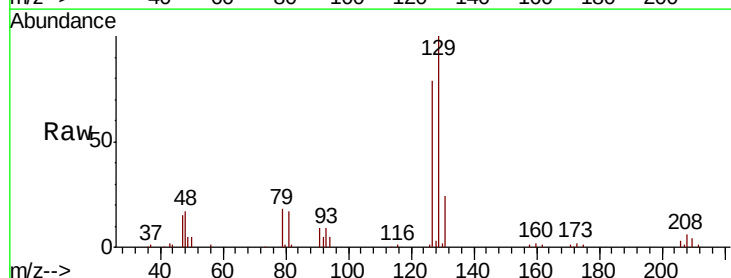
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

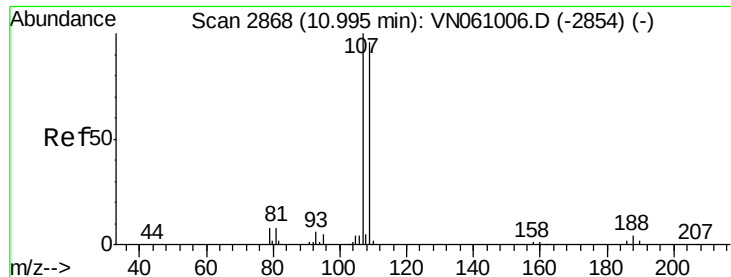
Tot Ion: 43 Resp: 464231
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 52.389 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 129 Resp: 92005
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 51.295 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

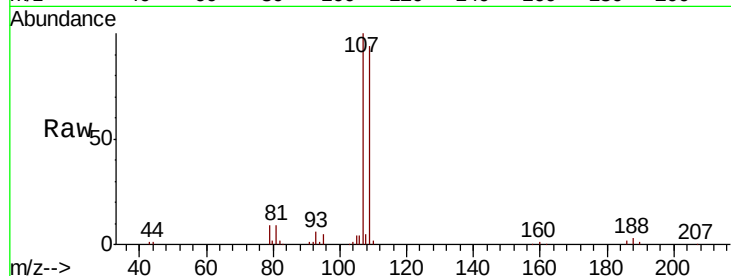
PA-TWP-2MSD

Tot Ion:107 Resp: 89360

Ion Ratio Lower Upper

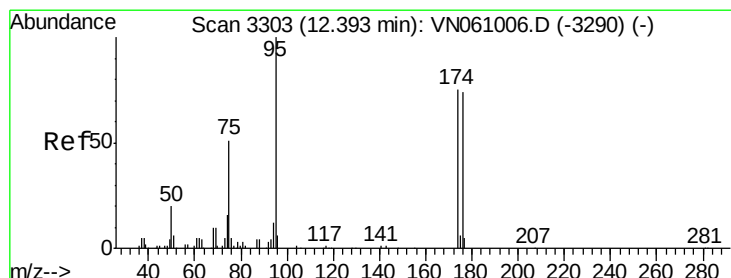
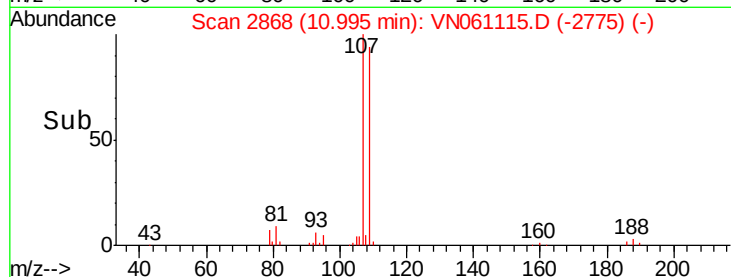
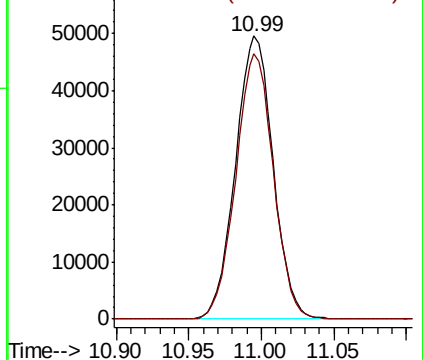
107 100

109 93.4 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.568 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

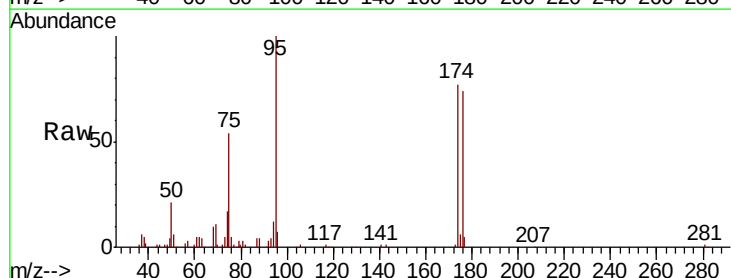
Tgt Ion: 95 Resp: 96947

Ion Ratio Lower Upper

95 100

174 77.2 0.0 151.2

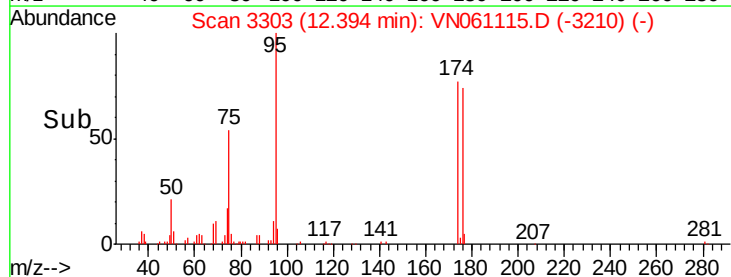
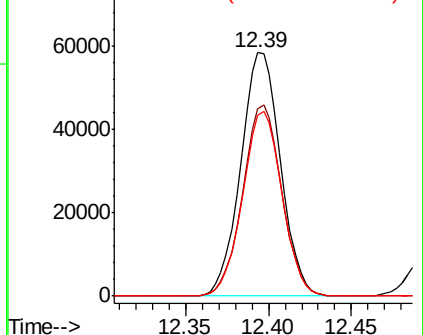
176 75.3 0.0 148.2

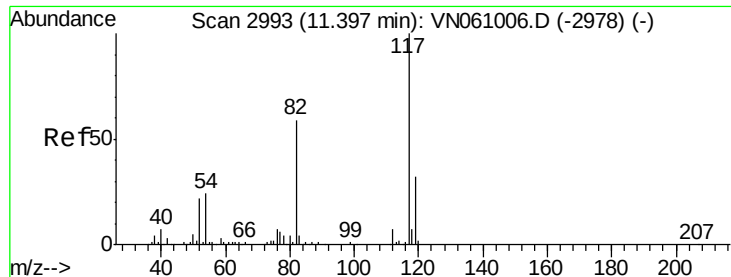


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

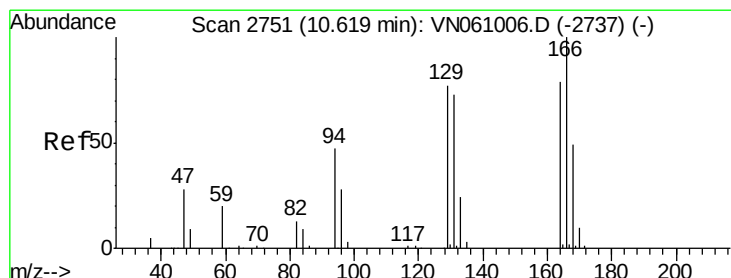
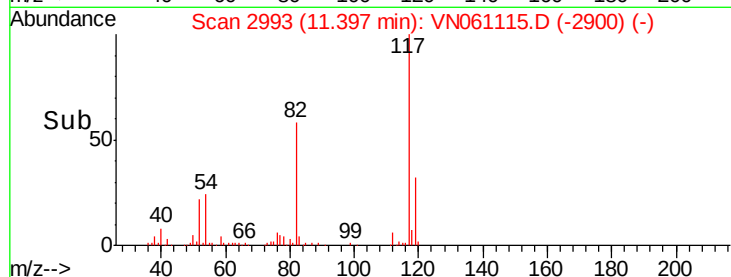
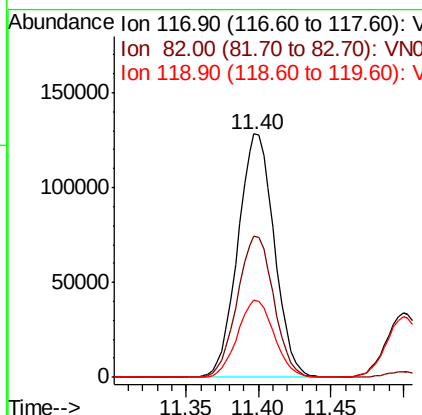
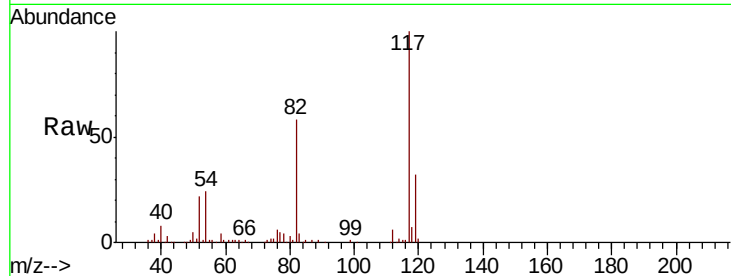




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

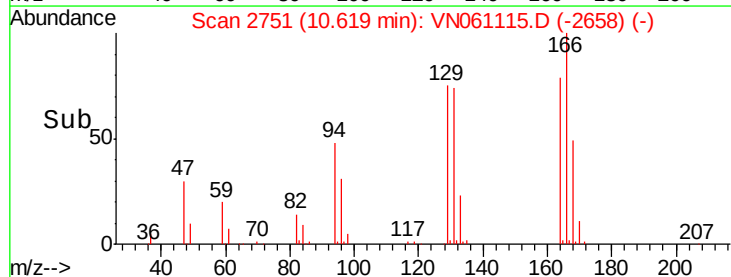
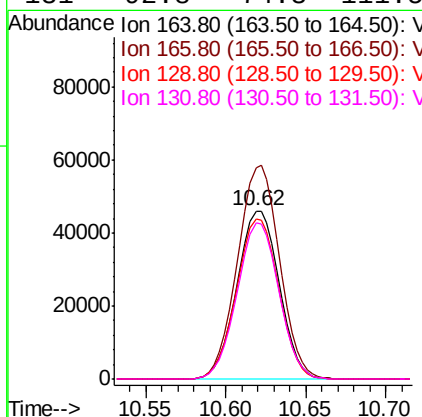
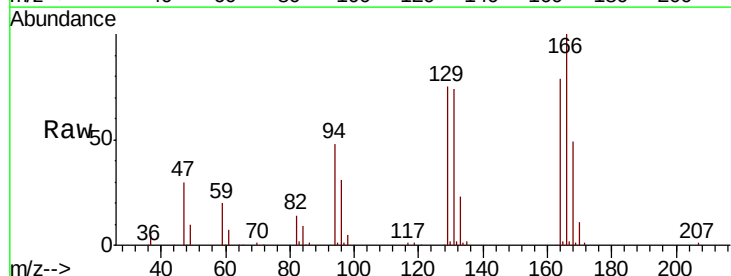
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

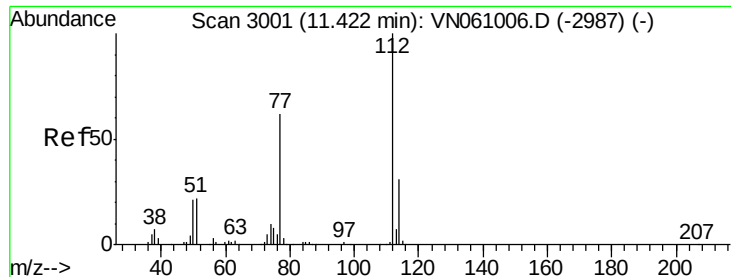
Tot Ion:117 Resp: 223391
Ion Ratio Lower Upper
117 100
82 58.0 47.1 70.7
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 48.529 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion:164 Resp: 82956
Ion Ratio Lower Upper
164 100
166 125.9 101.6 152.4
129 94.9 78.5 117.7
131 92.8 74.3 111.5

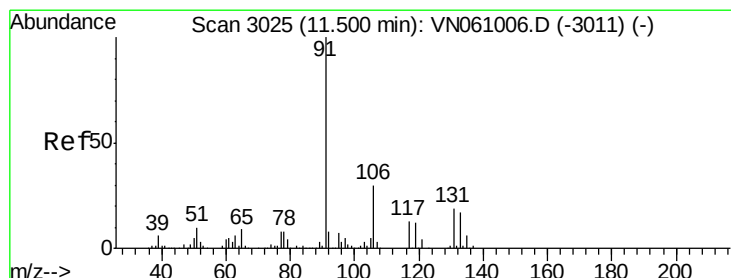
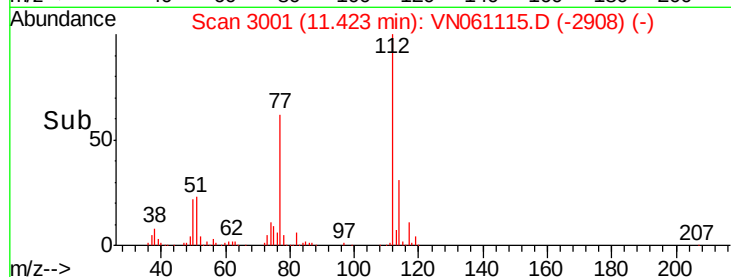
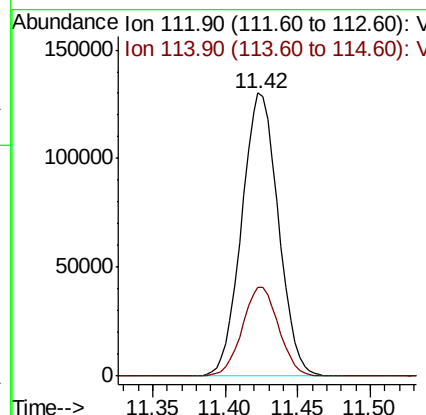
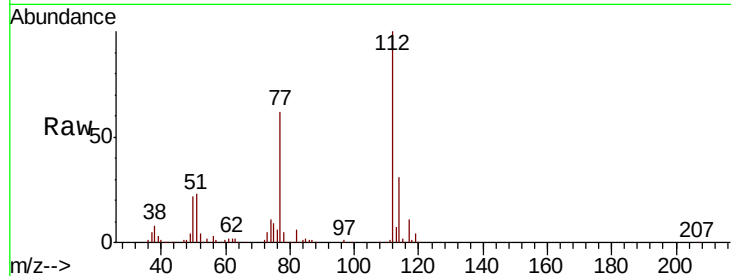




#65
Chlorobenzene
Concen: 49.577 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

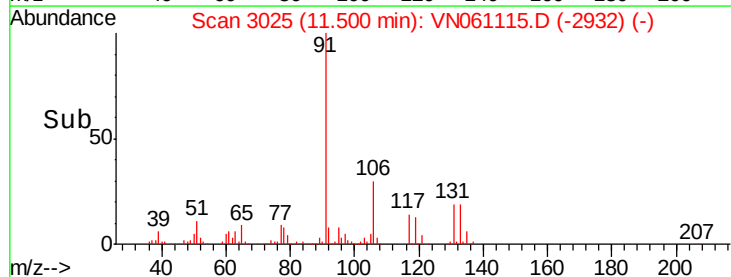
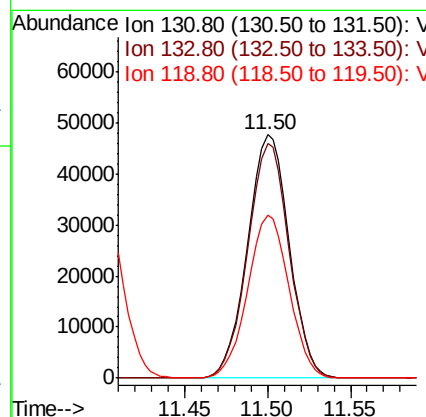
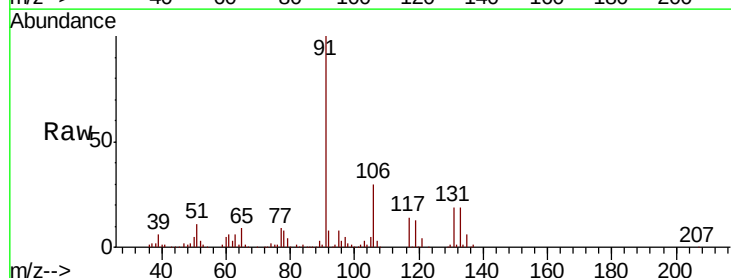
Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2MSD

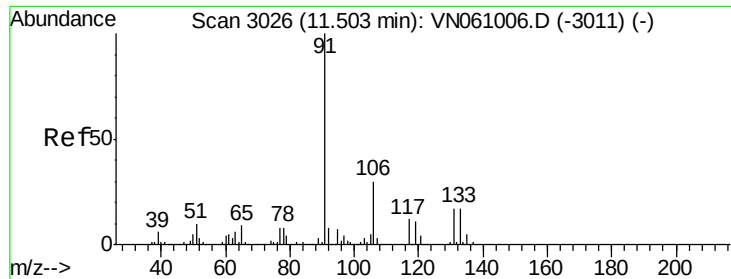
Tot Ion:112 Resp: 228629
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.562 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion:131 Resp: 83422
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 66.2 33.3 99.8

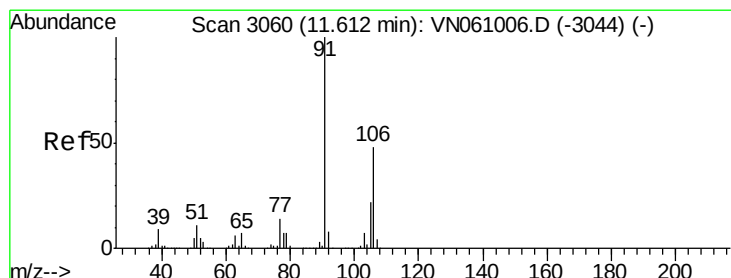
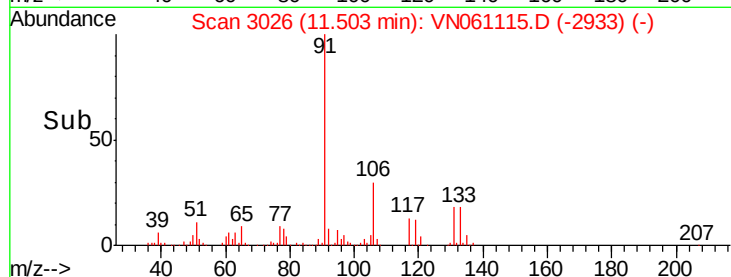
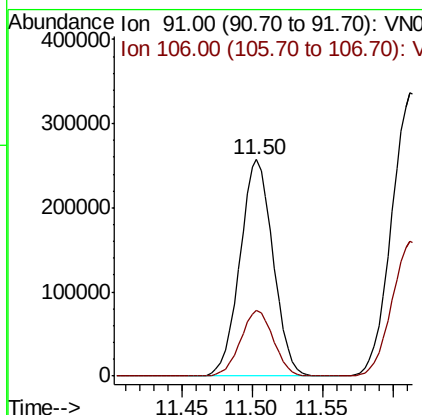
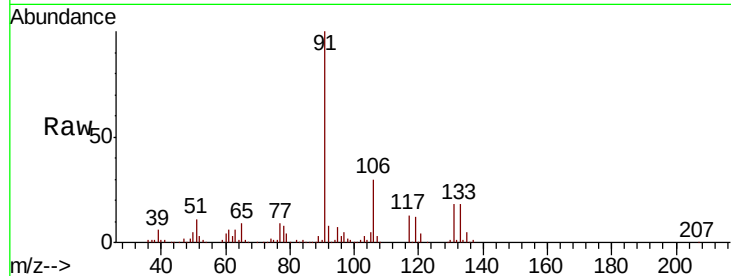




#67
Ethyl Benzene
Concen: 48.739 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

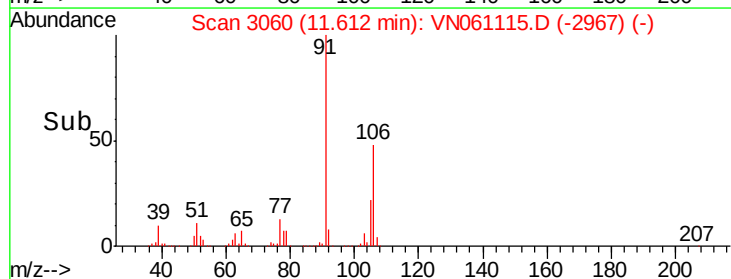
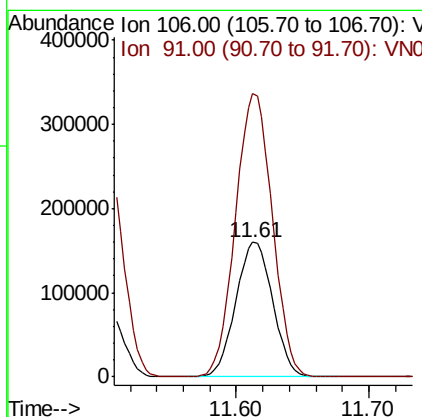
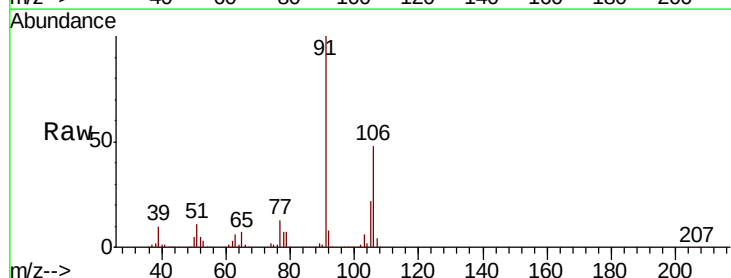
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

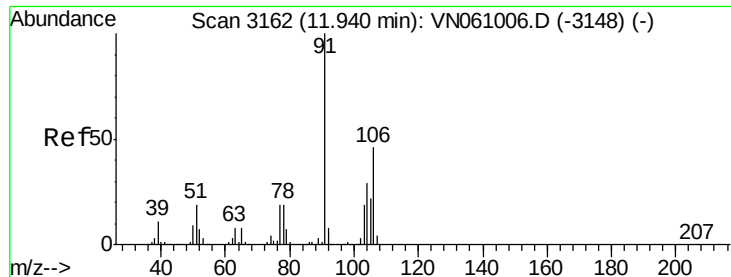
Tot Ion: 91 Resp: 422789
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.8



#68
m/p-Xylenes
Concen: 98.586 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 106 Resp: 309069
Ion Ratio Lower Upper
106 100
91 210.0 167.9 251.9

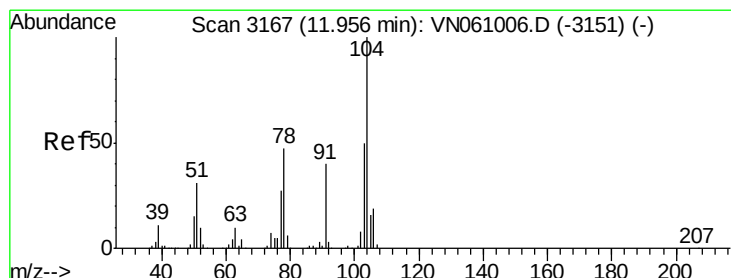
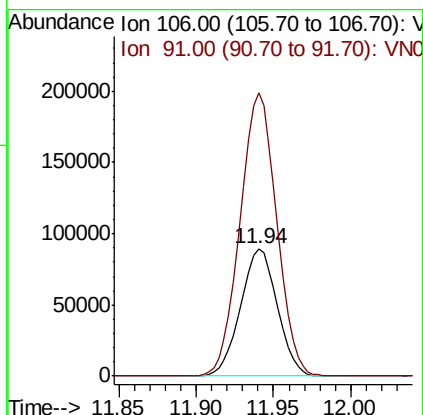
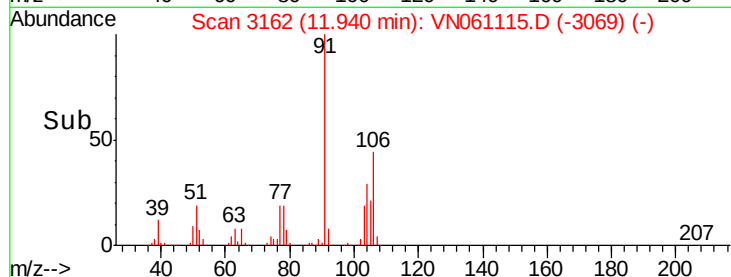
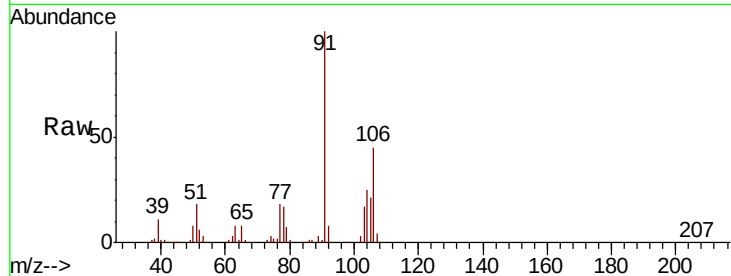




#69
o-Xylene
Concen: 48.967 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

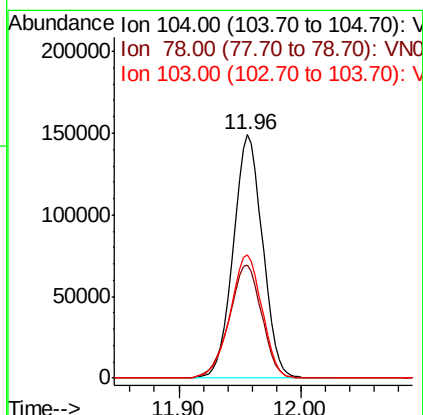
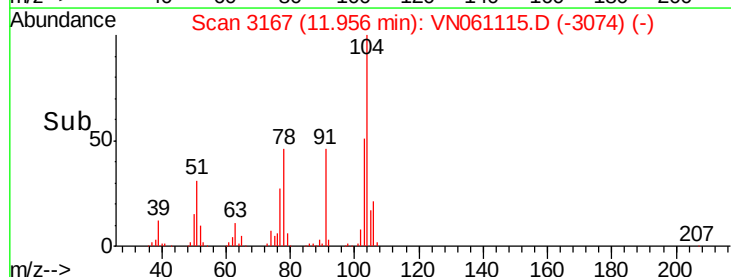
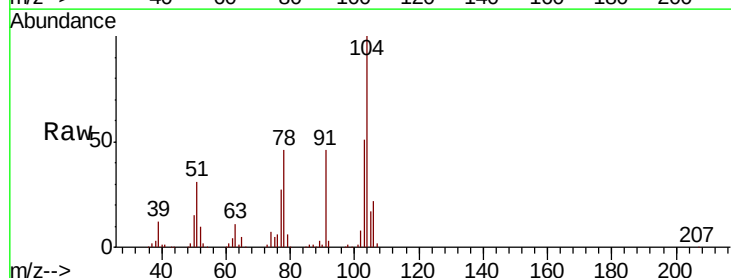
Instrument :
MSVOA_N
ClientSampled :
PA-TWP-2MSD

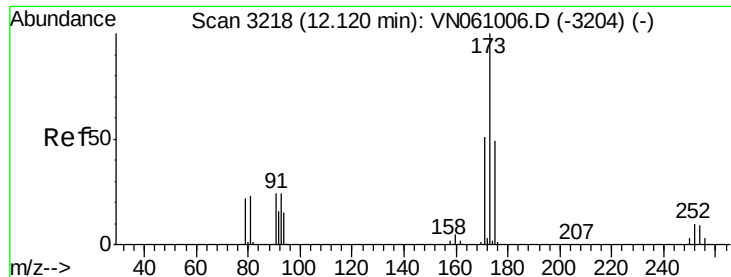
Tot Ion:106 Resp: 147598
Ion Ratio Lower Upper
106 100
91 221.9 110.7 332.1



#70
Styrene
Concen: 51.224 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion:104 Resp: 248572
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.4
103 55.3 44.4 66.6





#71

Bromoform

Concen: 52.864 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

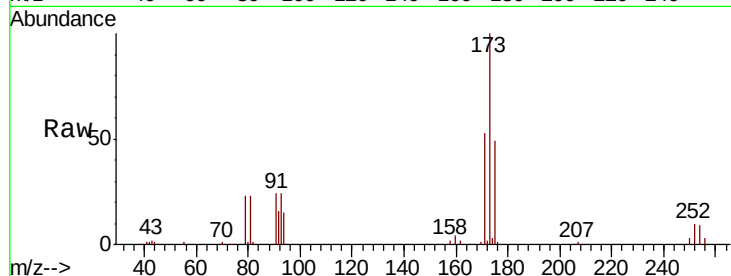
Tot Ion:173 Resp: 65104

Ion Ratio Lower Upper

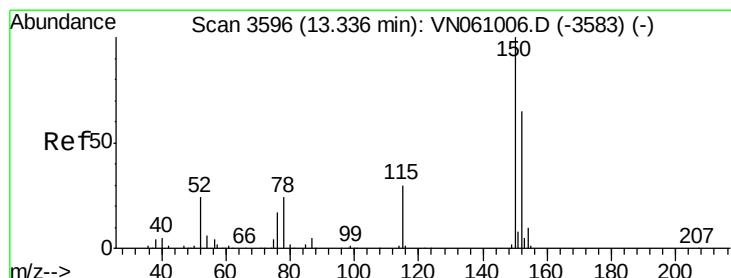
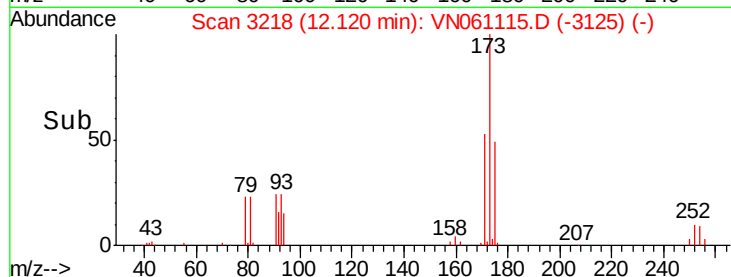
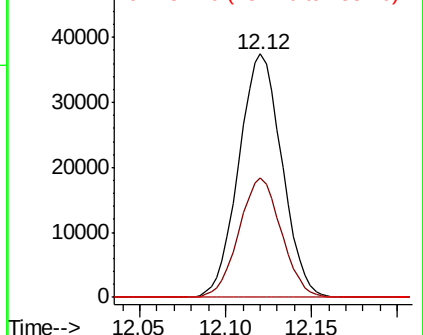
173 100

175 48.1 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: VN061115.D

Acq: 20 Apr 2020 20:23

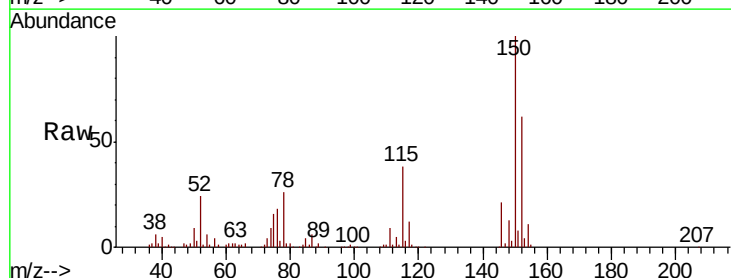
Tgt Ion:152 Resp: 99967

Ion Ratio Lower Upper

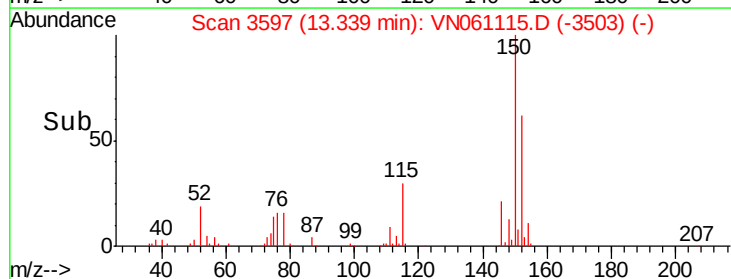
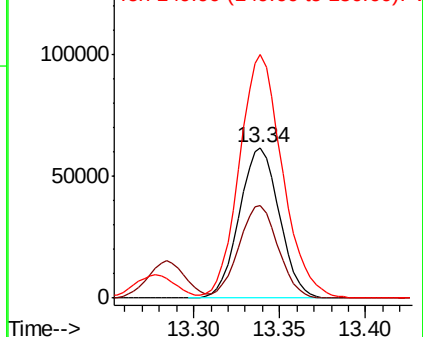
152 100

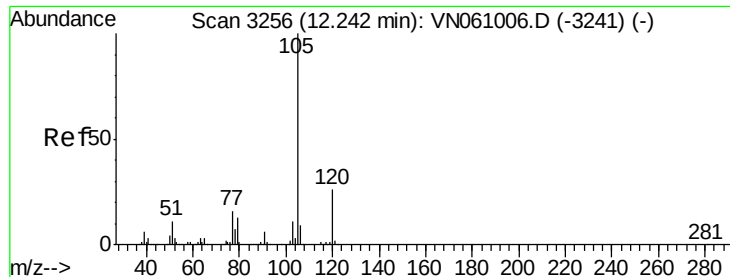
115 61.0 30.8 92.4

150 174.2 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: 48.480 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampled :

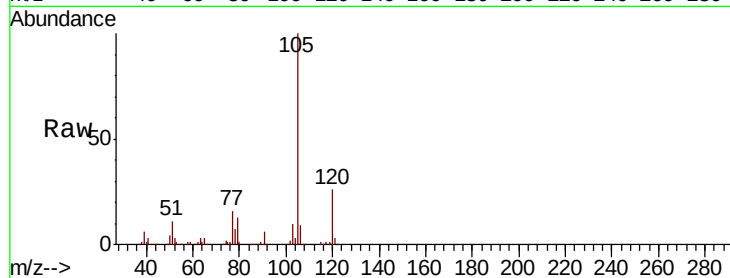
PA-TWP-2MSD

Tot Ion:105 Resp: 388268

Ion Ratio Lower Upper

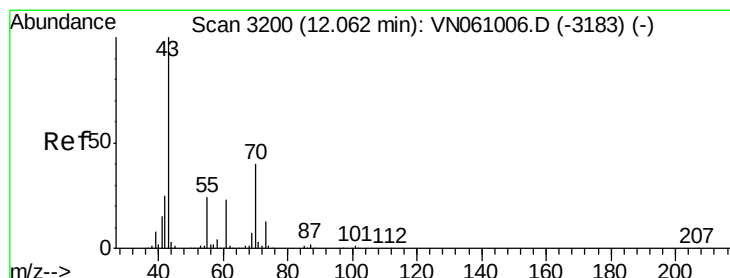
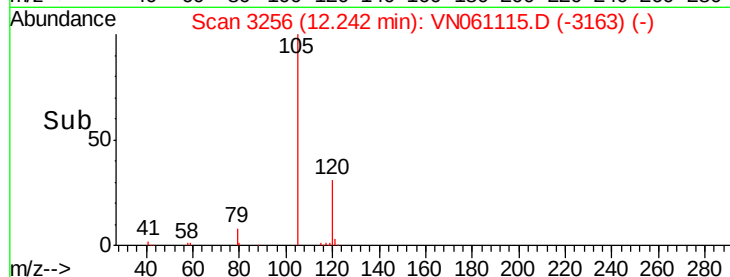
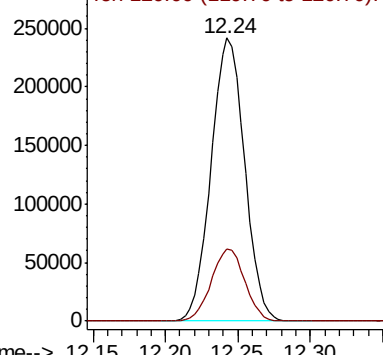
105 100

120 25.6 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: 48.672 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Tgt Ion: 43 Resp: 181274

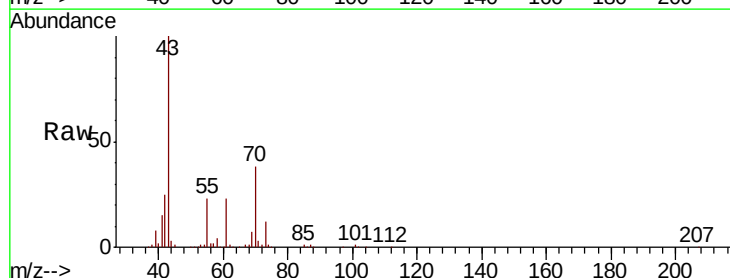
Ion Ratio Lower Upper

43 100

70 38.5 31.0 46.6

55 23.6 18.6 27.8

61 23.0 18.2 27.4

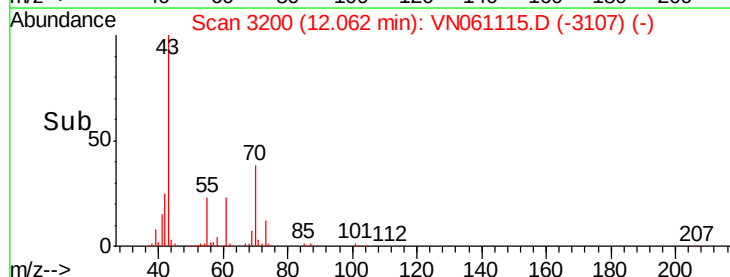
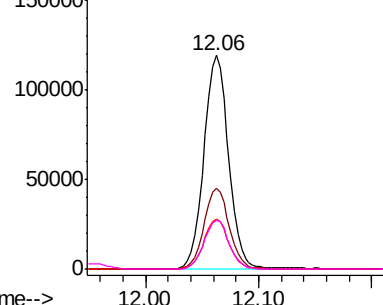


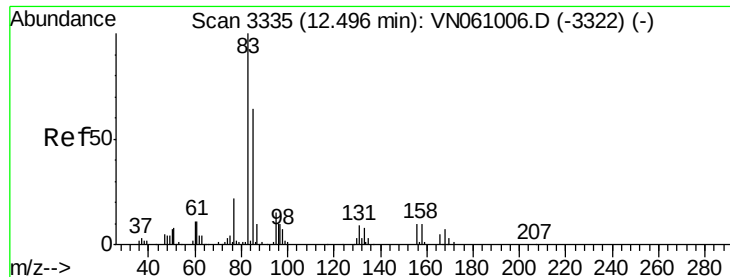
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.308 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

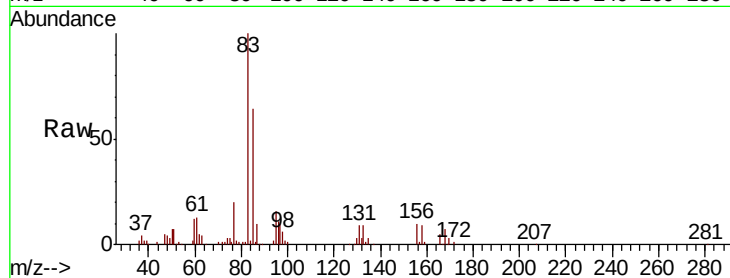
Tot Ion: 83 Resp: 125436

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

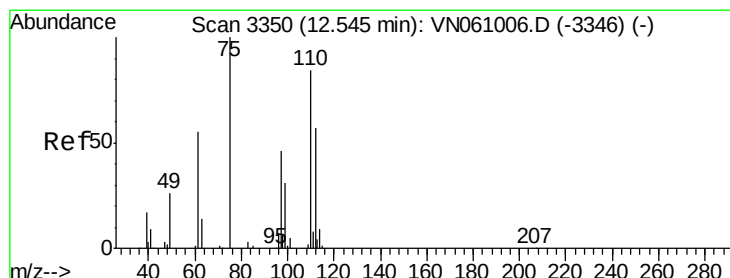
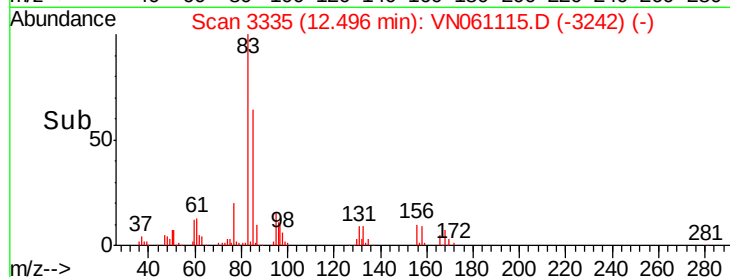
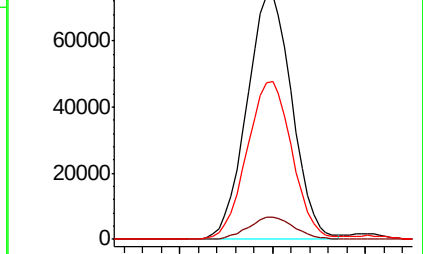
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061115.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN061115.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN061115.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 76.433 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061115.D

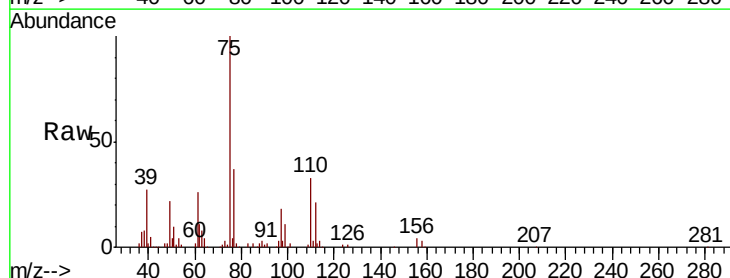
Acq: 20 Apr 2020 20:23

Tgt Ion: 75 Resp: 168065

Ion Ratio Lower Upper

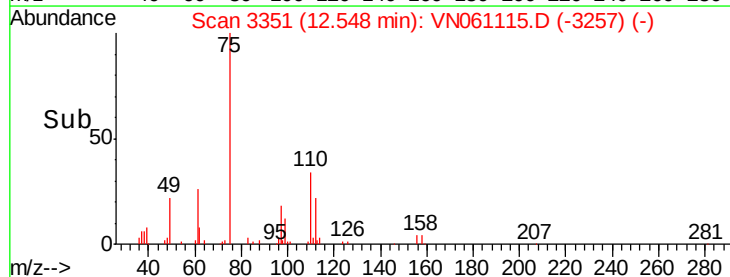
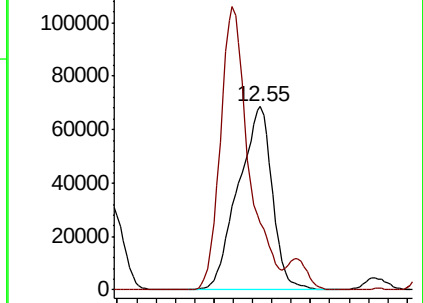
75 100

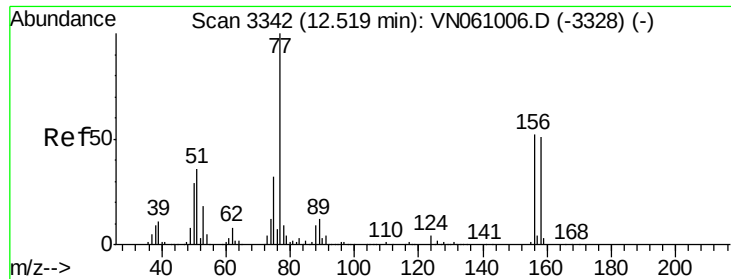
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061115.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN061115.D (-3350) (-)





#77

Bromobenzene

Concen: 50.203 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampled :

PA-TWP-2MSD

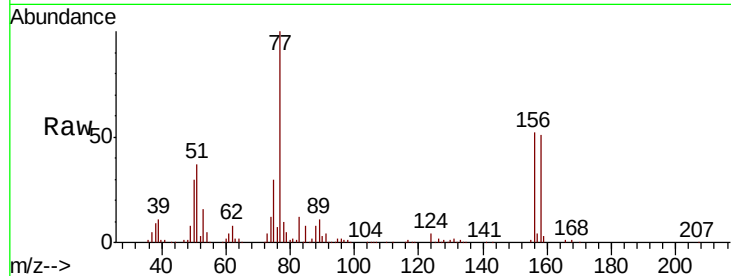
Tot Ion:156 Resp: 93876

Ion Ratio Lower Upper

156 100

77 231.2 115.6 346.8

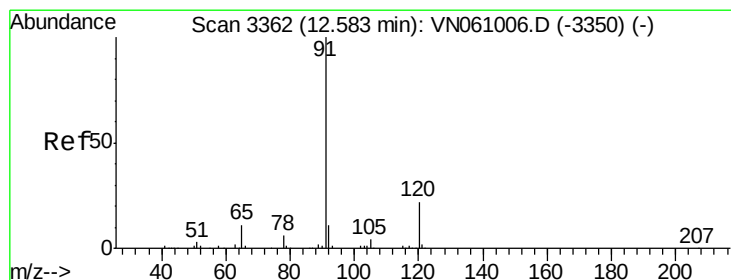
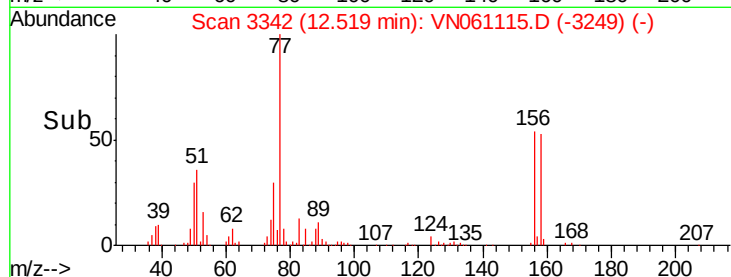
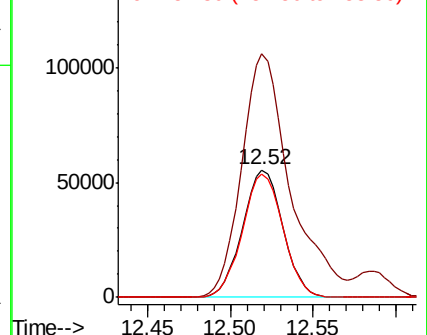
158 97.3 48.9 146.6



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: 48.570 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061115.D

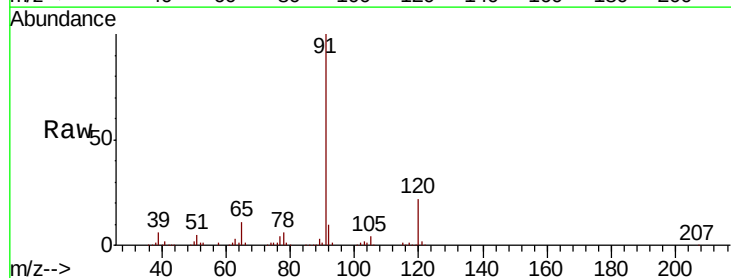
Acq: 20 Apr 2020 20:23

Tgt Ion: 91 Resp: 455105

Ion Ratio Lower Upper

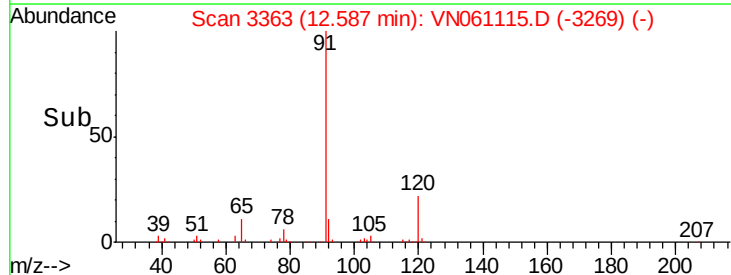
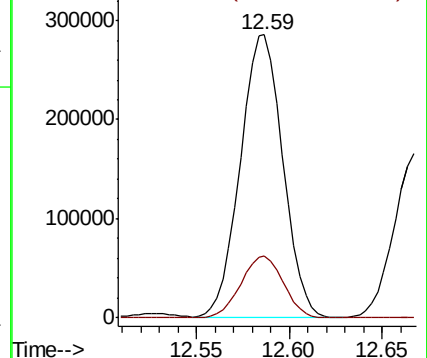
91 100

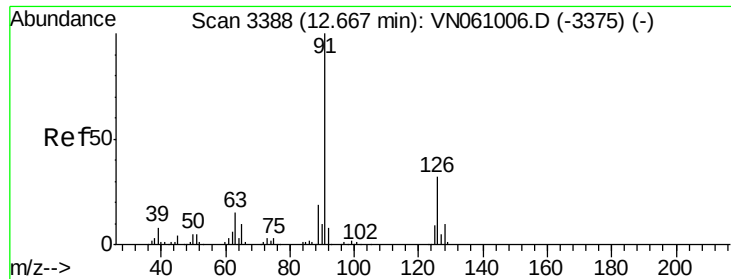
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

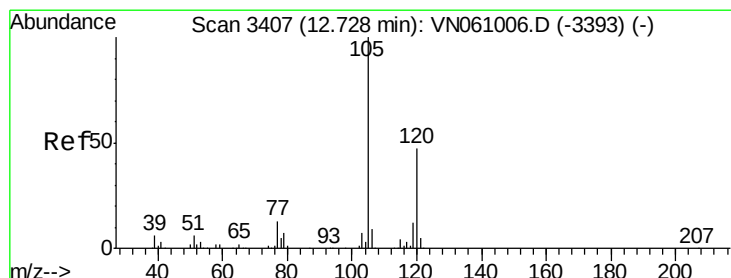
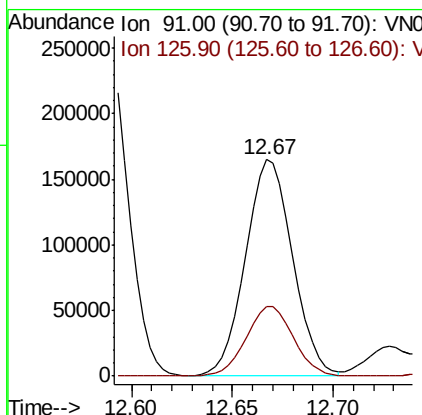
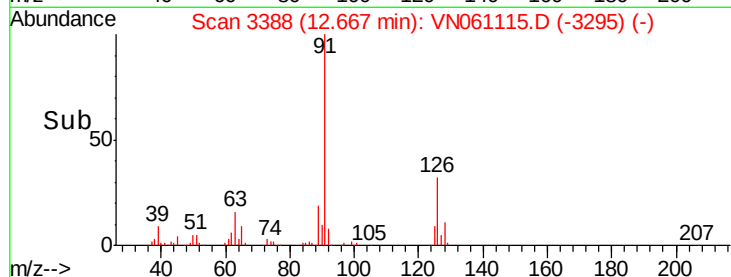
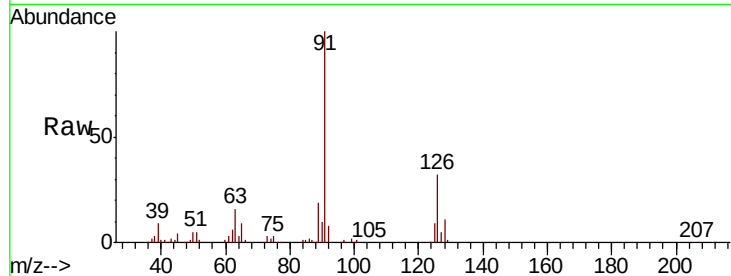




#79
 2-Chlorotoluene
 Concen: 49.194 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

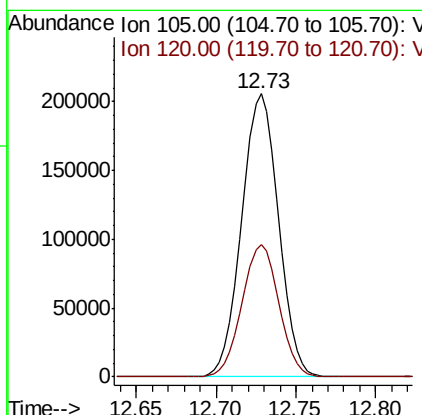
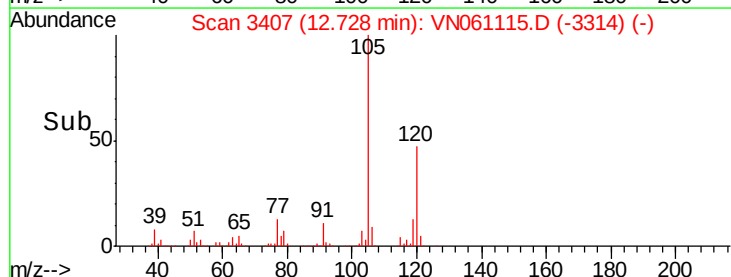
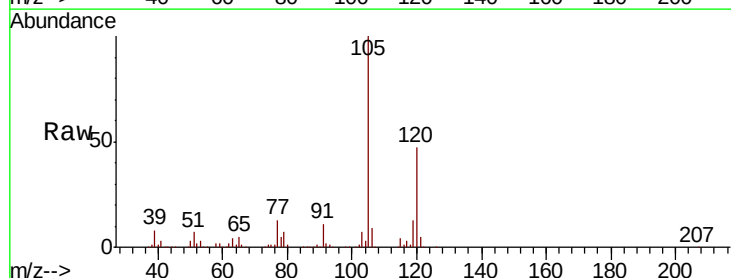
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

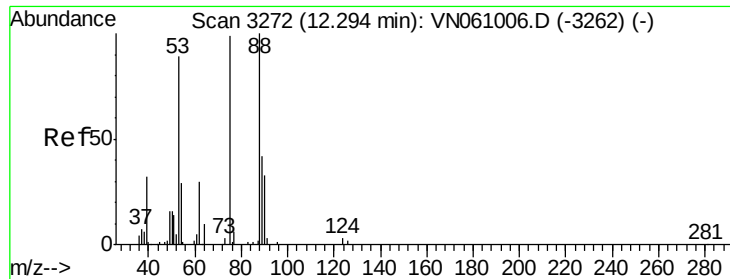
Tot Ion: 91 Resp: 270352
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 48.538 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 105 Resp: 321314
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.428 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

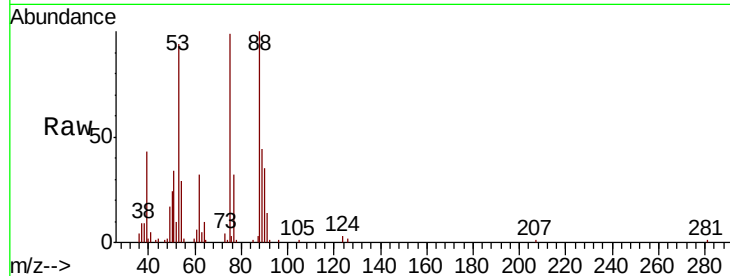
Tot Ion: 75 Resp: 41389

Ion Ratio Lower Upper

75 100

53 95.7 74.7 112.1

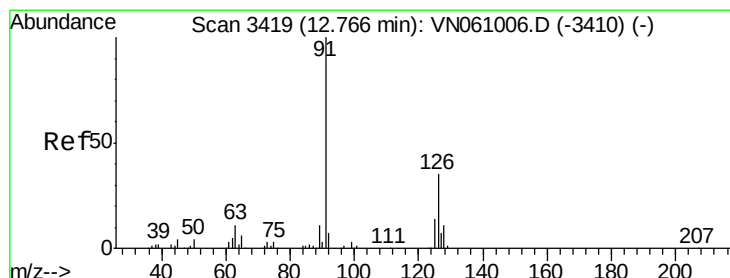
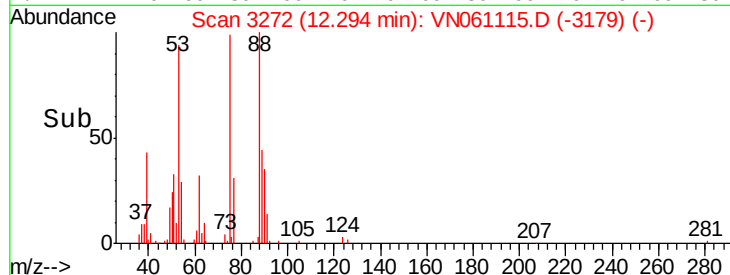
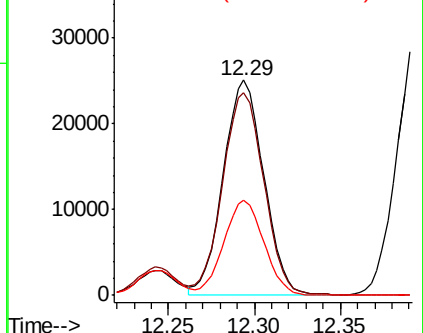
89 43.3 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN061115.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061115.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061115.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 49.746 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061115.D

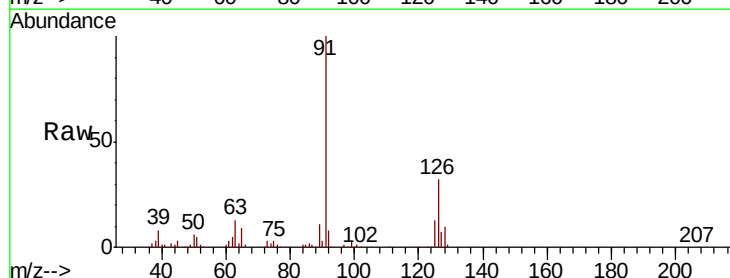
Acq: 20 Apr 2020 20:23

Tgt Ion: 91 Resp: 283539

Ion Ratio Lower Upper

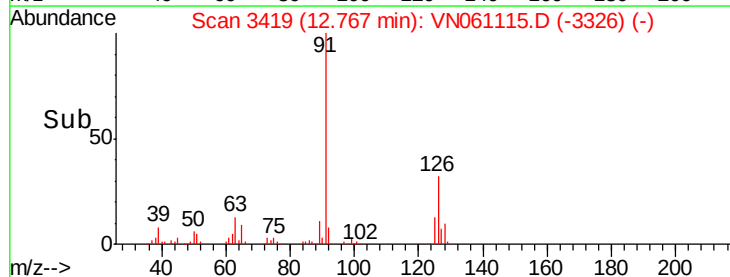
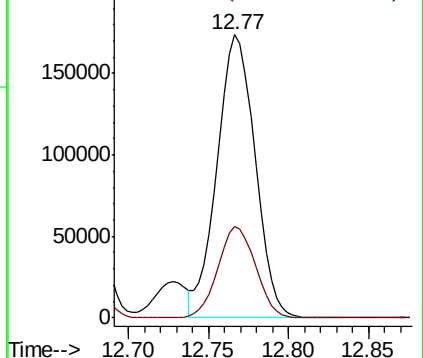
91 100

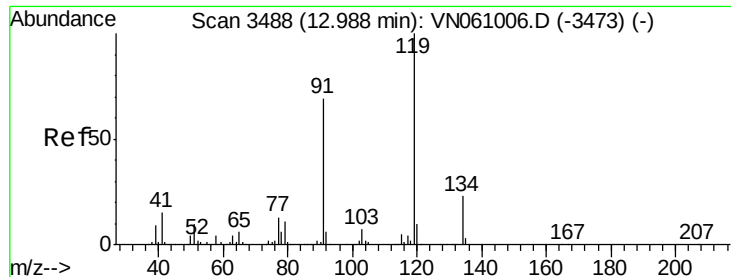
126 31.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN061115.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061115.D (-3326) (-)

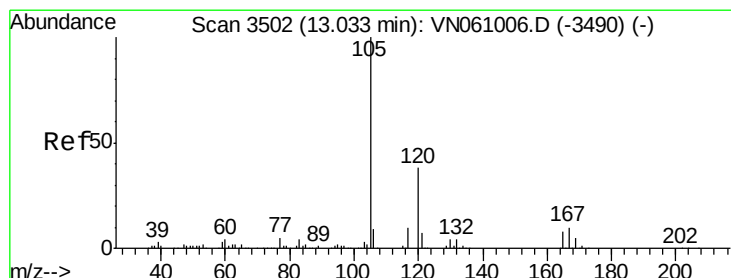
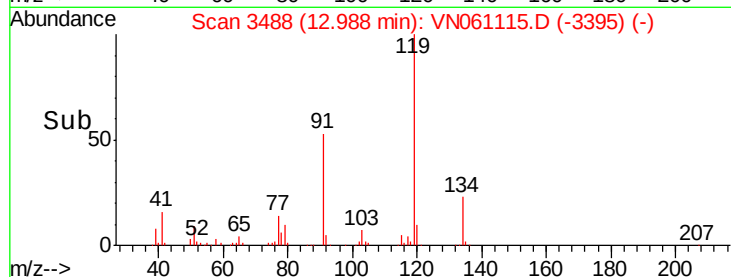
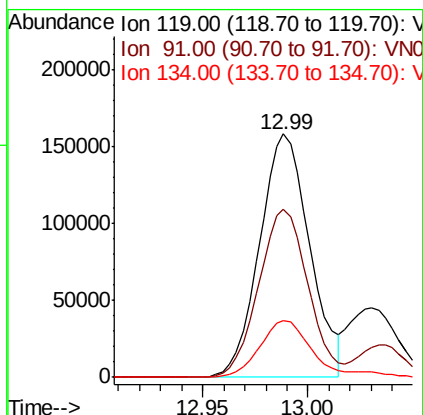
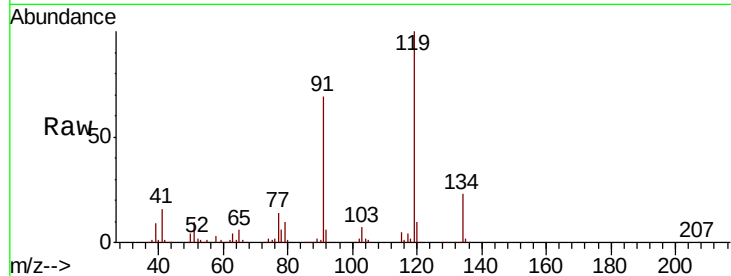




#83
 tert-Butylbenzene
 Concen: 47.028 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

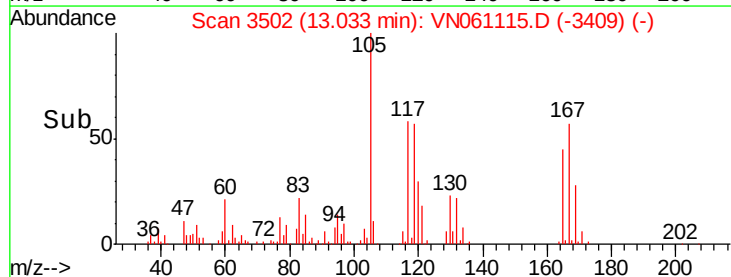
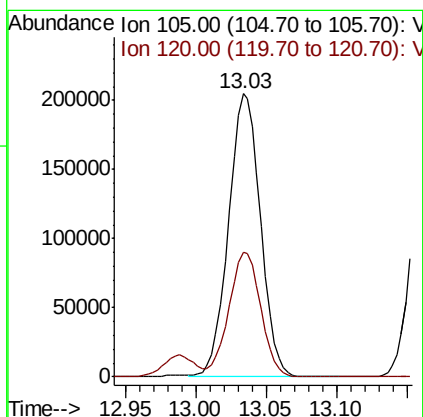
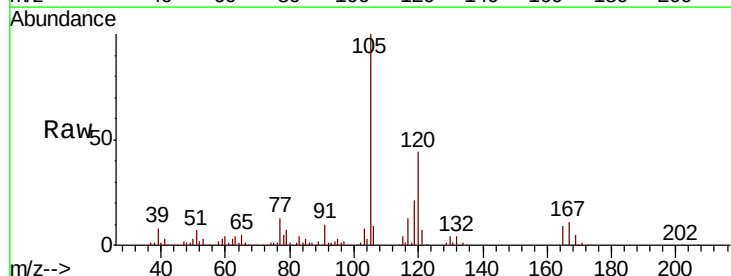
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

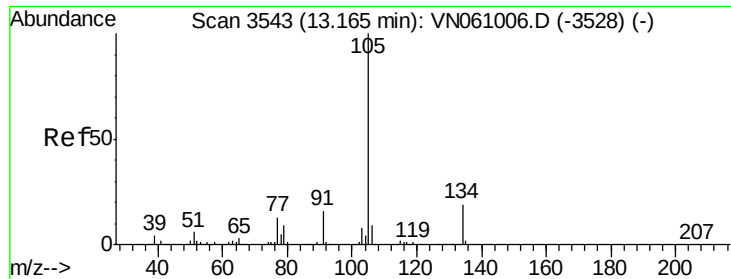
Tot Ion:119 Resp: 261817
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.1 102.3
 134 25.0 12.4 37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 49.427 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion:105 Resp: 323430
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5

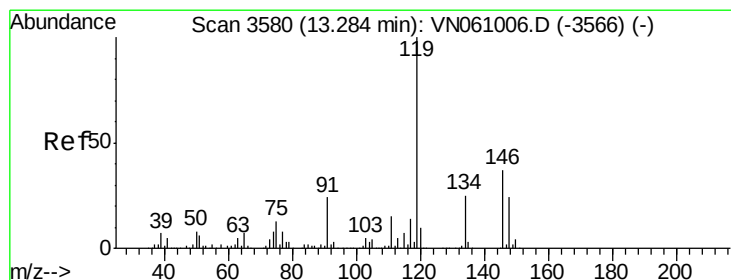
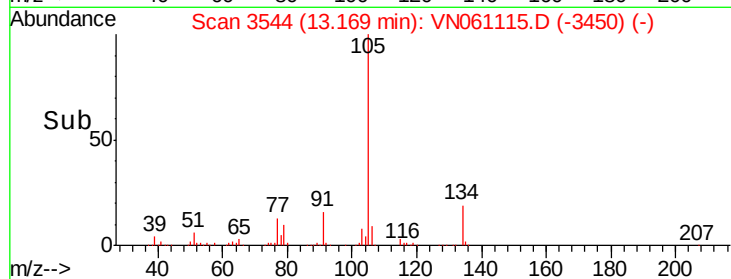
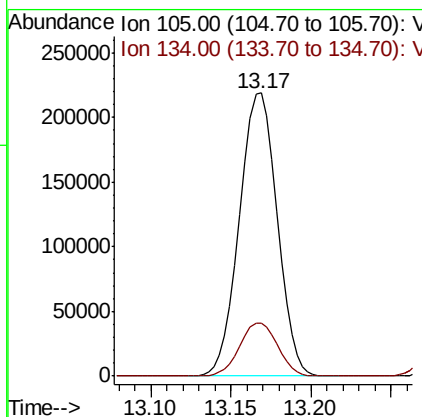
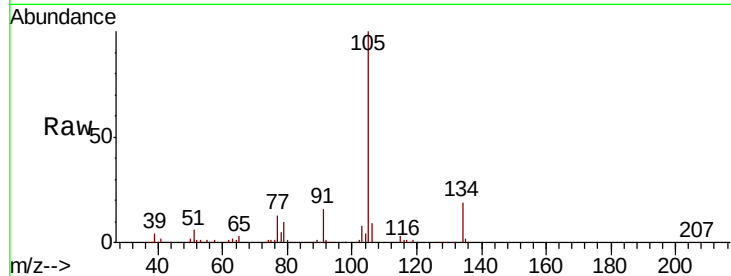




#85
 sec-Butylbenzene
 Concen: 46.749 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

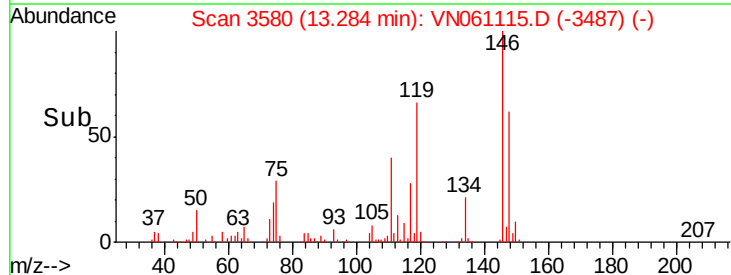
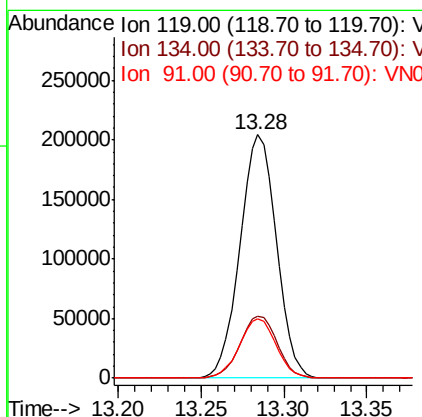
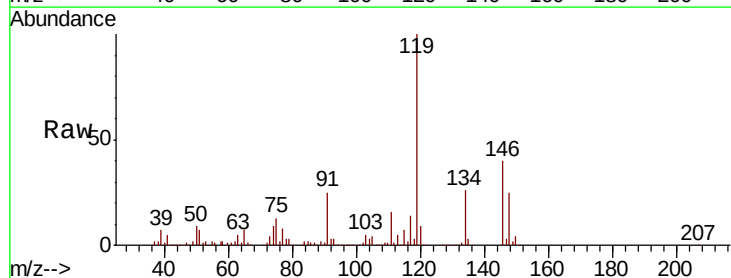
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

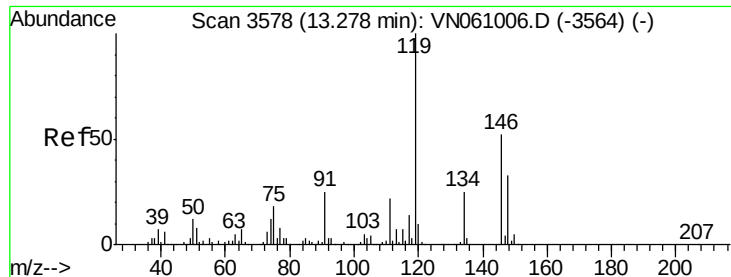
Tot Ion:105 Resp: 352639
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 46.483 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion:119 Resp: 312230
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.4
 91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 49.209 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-2MSD

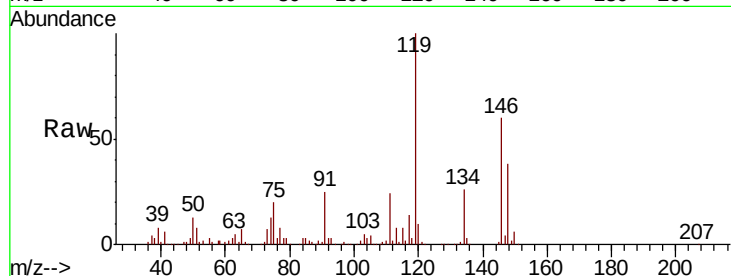
Tot Ion:146 Resp: 163988

Ion Ratio Lower Upper

146 100

111 40.5 20.6 61.8

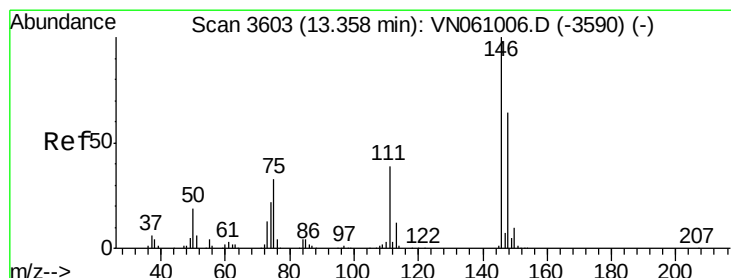
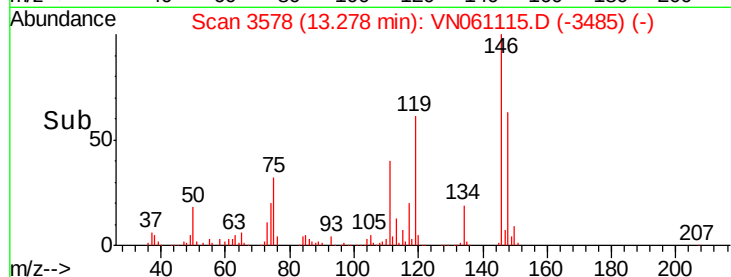
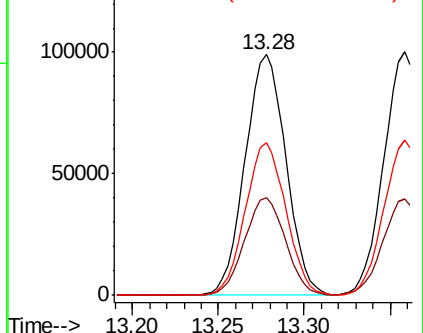
148 62.8 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.324 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN061115.D

Acq: 20 Apr 2020 20:23

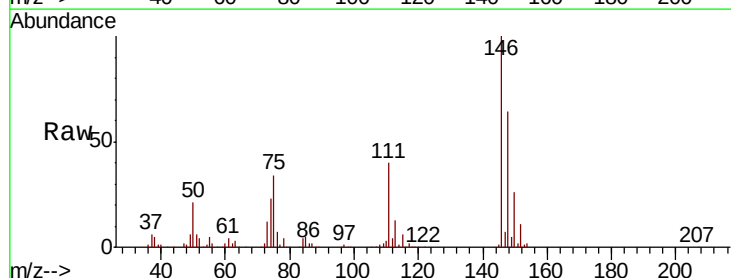
Tgt Ion:146 Resp: 162008

Ion Ratio Lower Upper

146 100

111 40.1 20.1 60.3

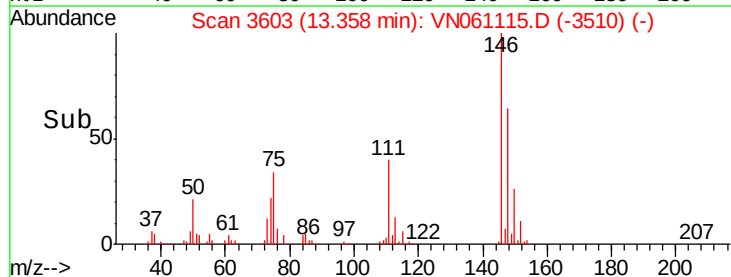
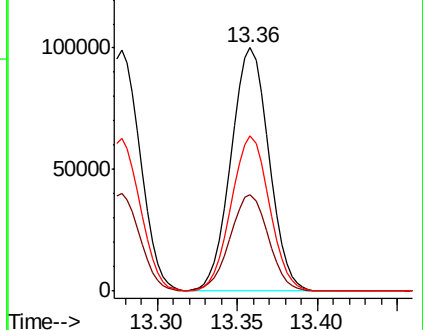
148 64.2 32.1 96.3

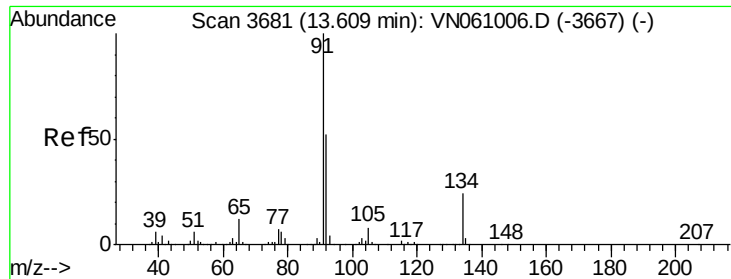


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

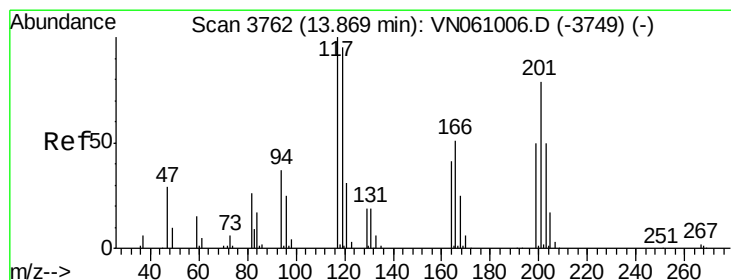
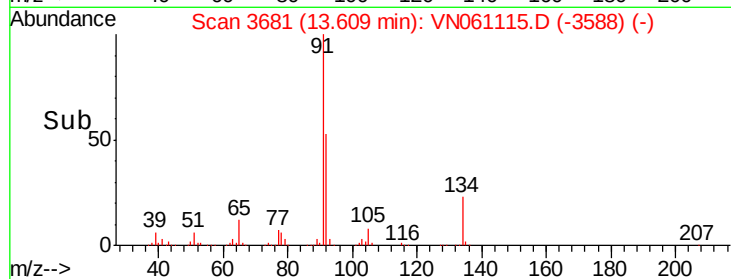
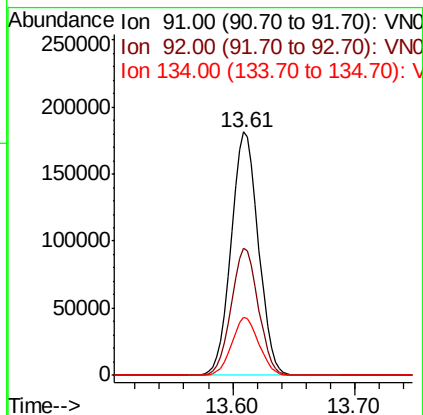
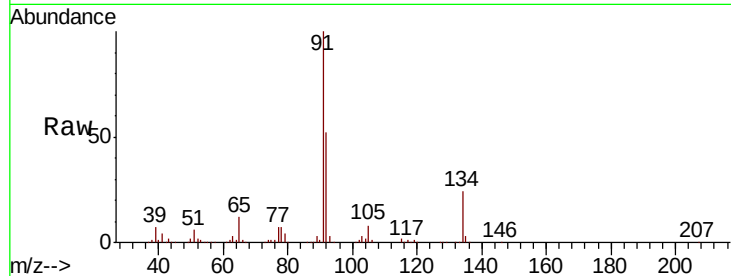




#89
n-Butylbenzene
Concen: 45.149 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

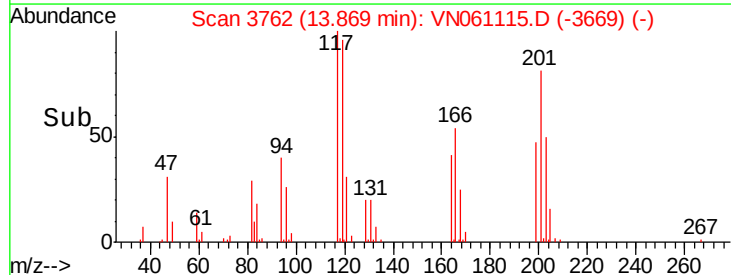
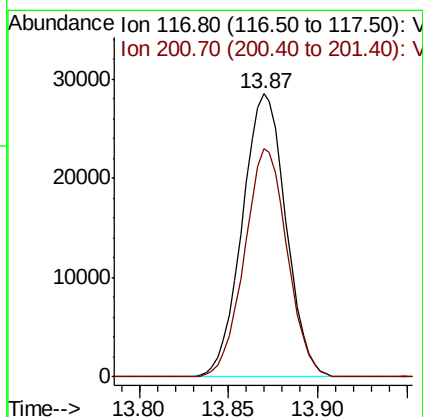
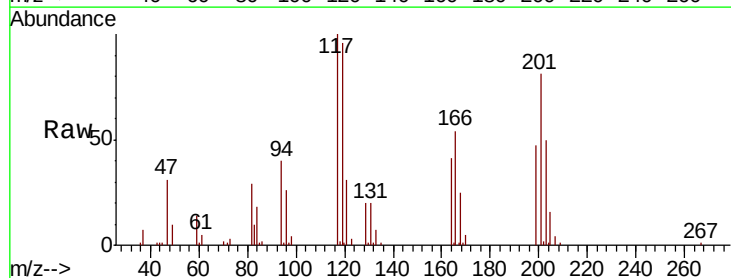
Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

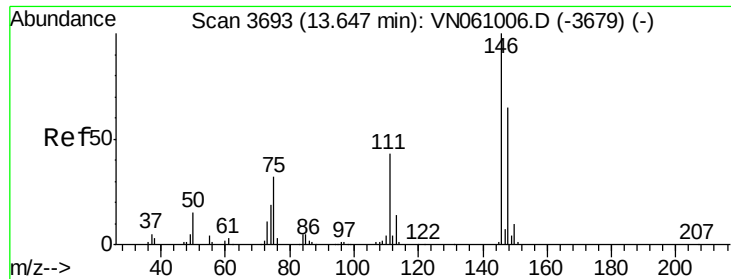
Tot Ion: 91 Resp: 282016
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 23.7 12.3 36.8



#90
Hexachloroethane
Concen: 47.320 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion: 117 Resp: 48766
Ion Ratio Lower Upper
117 100
201 78.9 39.3 117.9

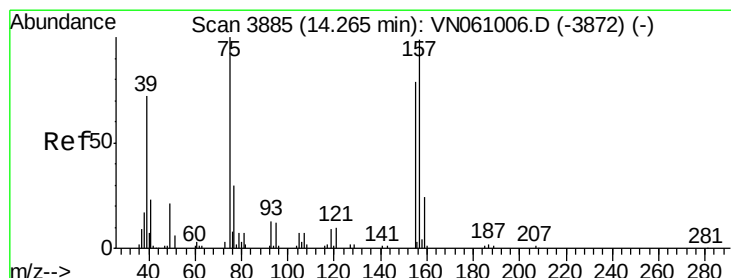
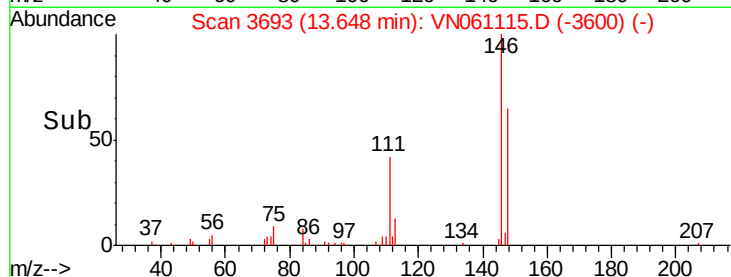
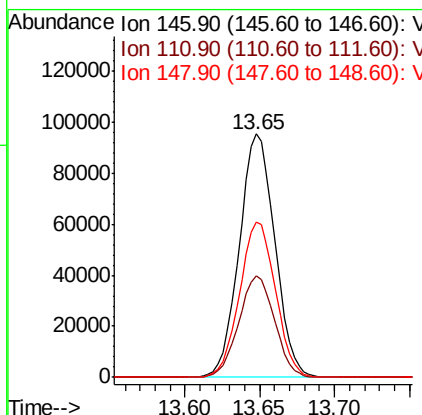
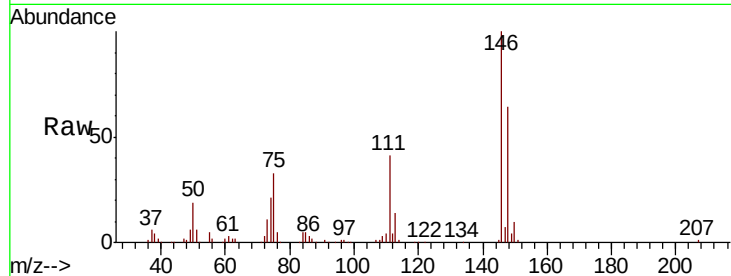




#91
 1,2-Dichlorobenzene
 Concen: 49.551 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

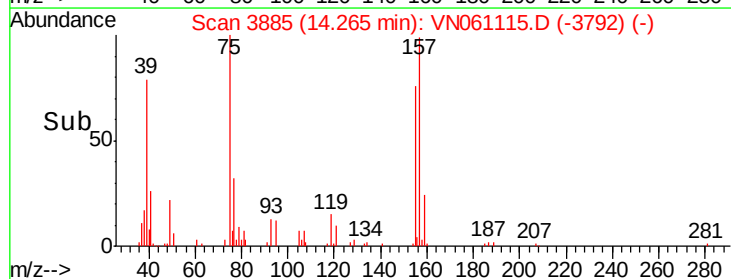
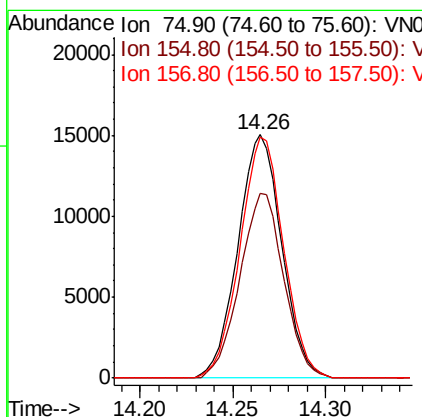
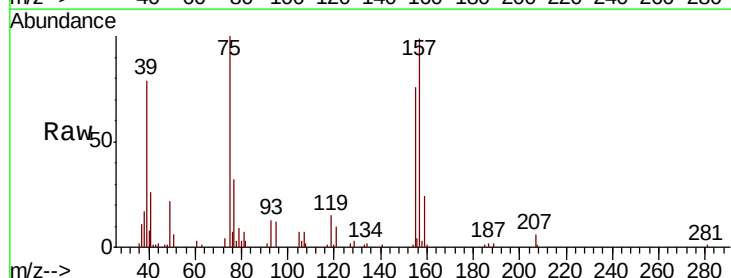
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

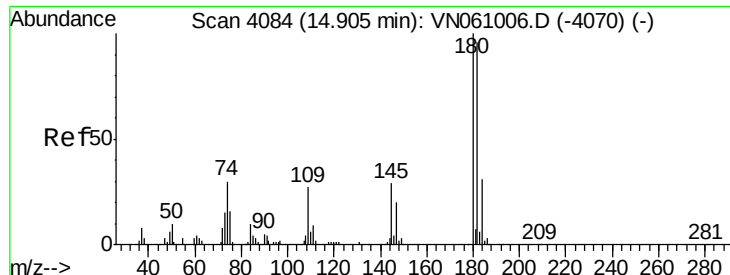
Tot Ion:146 Resp: 157602
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 64.0
 148 64.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.257 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion: 75 Resp: 24725
 Ion Ratio Lower Upper
 75 100
 155 75.7 39.5 118.5
 157 98.4 50.1 150.4

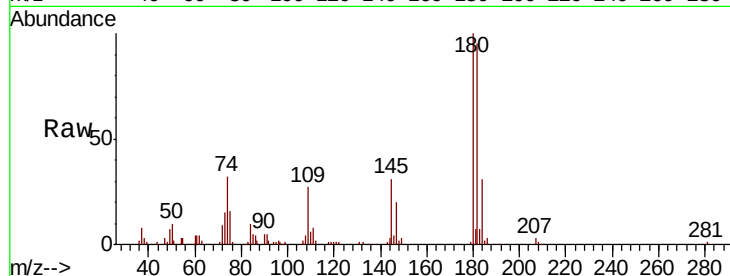




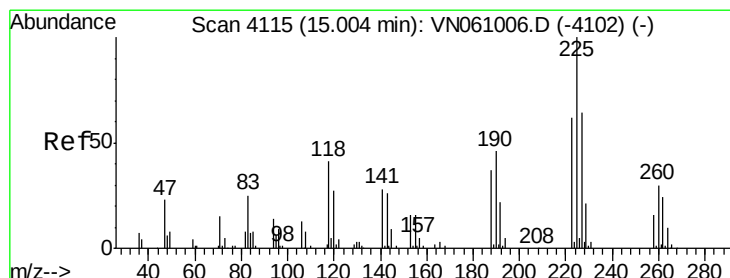
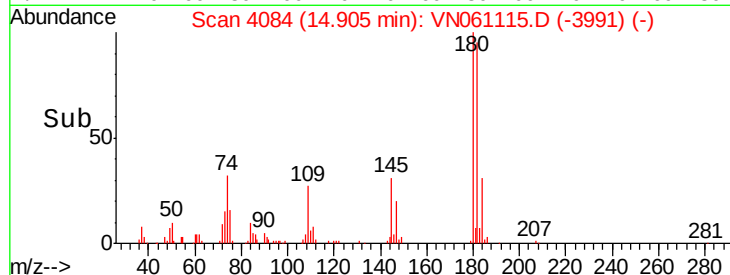
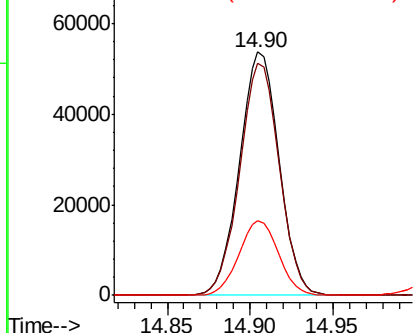
#93
 1,2,4-Trichlorobenzene
 Concen: 47.272 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion:180 Resp: 88991
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 30.7 15.3 45.8

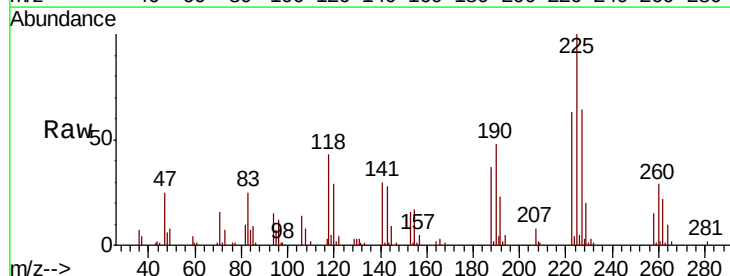


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

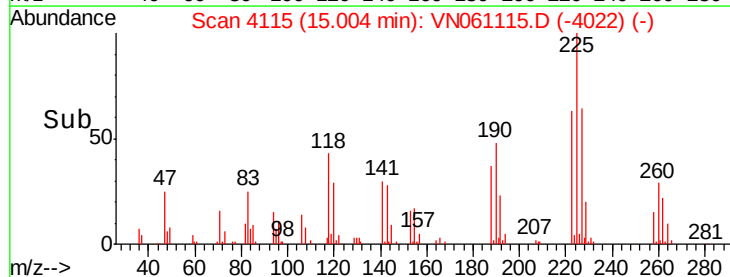
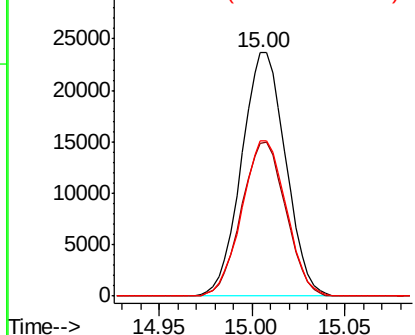


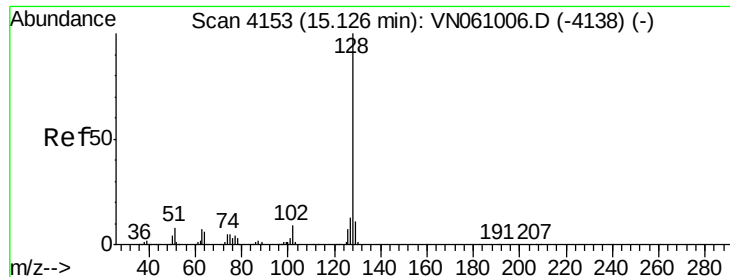
#94
 Hexachlorobutadiene
 Concen: 40.454 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061115.D
 Acq: 20 Apr 2020 20:23

Tgt Ion:225 Resp: 39177
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.3 93.8
 227 64.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

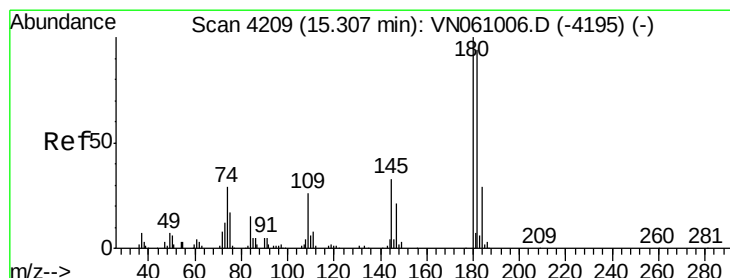
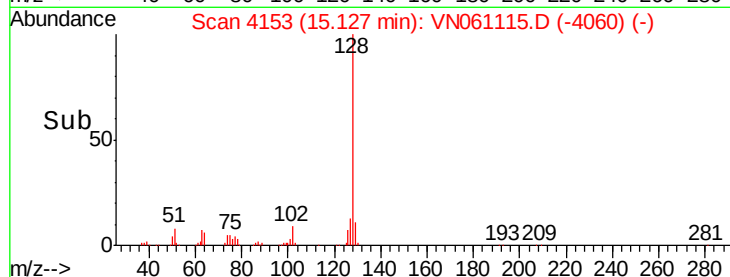
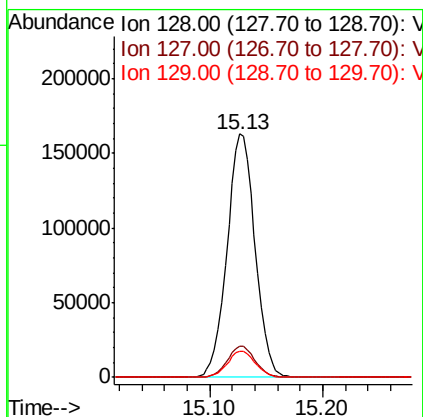
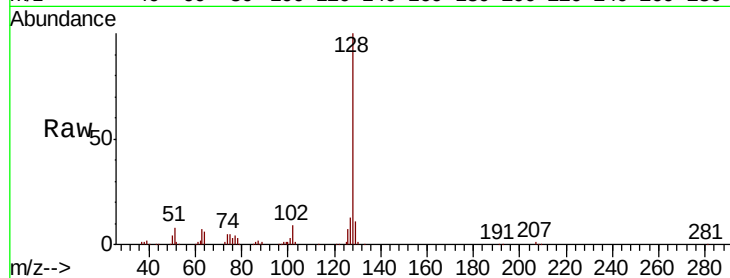




#95
Naphthalene
Concen: 51.005 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion:128 Resp: 280028
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.634 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061115.D
Acq: 20 Apr 2020 20:23

Tgt Ion:180 Resp: 86418
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.8
145 33.0 16.4 49.2

