

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061744.D
 Acq On : 11 Jun 2020 14:07
 Operator : JC/MD
 Sample : VN0611WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 12 05:05:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	312500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	496985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	233668	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	173135	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	7.54	113	138343	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	10.06	98	586480	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.37	95	207124	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	61380	17.769	ug/l	100
3) Chloromethane	2.03	50	63200	16.581	ug/l	100
4) Vinyl Chloride	2.16	62	83511	15.989	ug/l	100
5) Bromomethane	2.53	94	56300	18.785	ug/l	94
6) Chloroethane	2.67	64	57191	17.011	ug/l	97
7) Trichlorofluoromethane	2.98	101	117438	17.436	ug/l	100
8) Diethyl Ether	3.37	74	36099	17.528	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	55926	18.711	ug/l	96
10) Methyl Iodide	3.91	142	75843	18.279	ug/l	97
11) Tert butyl alcohol	4.73	59	49129	99.204	ug/l	100
12) 1,1-Dichloroethene	3.69	96	52314	16.383	ug/l	96
13) Acrolein	3.57	56	9973	44.301	ug/l	99
14) Allyl chloride	4.27	41	64983	15.566	ug/l	97
15) Acrylonitrile	4.93	53	121229	87.701	ug/l	99
16) Acetone	3.77	43	96024	89.601	ug/l	100
17) Carbon Disulfide	4.01	76	114291	16.268	ug/l	99
18) Methyl Acetate	4.27	43	61725	18.313	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	186171	17.107	ug/l	98
20) Methylene Chloride	4.50	84	64365	17.903	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	61184	16.990	ug/l	98
22) Diisopropyl ether	5.89	45	158598	17.237	ug/l	93
23) Vinyl Acetate	5.84	43	580146	79.110	ug/l	97
24) 1,1-Dichloroethane	5.79	63	103542	17.746	ug/l	99
25) 2-Butanone	6.78	43	145329	82.360	ug/l	97
26) 2,2-Dichloropropane	6.77	77	91586	17.150	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	72206	17.707	ug/l	98
28) Bromochloromethane	7.15	49	43131	18.821	ug/l	94
29) Tetrahydrofuran	7.16	42	94778	81.454	ug/l	98
30) Chloroform	7.33	83	116567	18.059	ug/l	98
31) Cyclohexane	7.61	56	83847	15.979	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	101542	17.264	ug/l	99
36) 1,1-Dichloropropene	7.75	75	80276	18.246	ug/l	100
37) Ethyl Acetate	6.88	43	58748	16.579	ug/l #	93
38) Carbon Tetrachloride	7.73	117	81561	19.219	ug/l	97

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 12 05:05:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	90069	16.609	ug/l	97
40) Benzene	8.00	78	254362	18.738	ug/l	95
41) Methacrylonitrile	7.12	41	23858	14.695	ug/l	91
42) 1,2-Dichloroethane	8.08	62	82281	18.105	ug/l	99
43) Isopropyl Acetate	8.12	43	104210	16.346	ug/l	96
44) Trichloroethene	8.80	130	77421	18.558	ug/l	90
45) 1,2-Dichloropropane	9.08	63	62452	19.375	ug/l	97
46) Dibromomethane	9.18	93	47725	19.305	ug/l	98
47) Bromodichloromethane	9.37	83	93711	19.133	ug/l	99
48) Methyl methacrylate	9.17	41	44101	15.375	ug/l	94
49) 1,4-Dioxane	9.16	88	23726	533.940	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	309264	86.082	ug/l	98
52) Toluene	10.12	92	165624	18.693	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	97406	18.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	104651	18.446	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	67944	19.248	ug/l	96
56) Ethyl methacrylate	10.40	69	84568	17.150	ug/l	98
57) 1,3-Dichloropropane	10.68	76	108119	19.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	159442	75.665	ug/l	98
59) 2-Hexanone	10.72	43	212961	82.538	ug/l	96
60) Dibromochloromethane	10.87	129	77391	19.285	ug/l	99
61) 1,2-Dibromoethane	10.98	107	71916	19.534	ug/l	100
64) Tetrachloroethene	10.60	164	81496	18.336	ug/l	98
65) Chlorobenzene	11.40	112	184329	18.781	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	72221	19.762	ug/l	99
67) Ethyl Benzene	11.48	91	308519	18.187	ug/l	98
68) m/p-Xylenes	11.59	106	244249	36.313	ug/l	98
69) o-Xylene	11.92	106	117051	18.322	ug/l	99
70) Styrene	11.94	104	191171	18.069	ug/l	100
71) Bromoform	12.10	173	52822	18.757	ug/l #	100
73) Isopropylbenzene	12.22	105	309238	18.132	ug/l	100
74) N-amyl acetate	12.04	43	83547	15.555	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	87877	18.387	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	110073	25.906	ug/l #	100
77) Bromobenzene	12.50	156	83121	19.094	ug/l	97
78) n-propylbenzene	12.57	91	341659	17.945	ug/l	99
79) 2-Chlorotoluene	12.65	91	202052	17.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	257330	18.052	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26160	15.744	ug/l	96
82) 4-Chlorotoluene	12.75	91	210383	17.615	ug/l	99
83) tert-Butylbenzene	12.97	119	218805	17.373	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	257384	18.176	ug/l	98
85) sec-Butylbenzene	13.15	105	282249	17.391	ug/l	99
86) p-Isopropyltoluene	13.26	119	263146	17.607	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	147411	19.122	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	145751	18.559	ug/l	99
89) n-Butylbenzene	13.59	91	209585	16.742	ug/l	97
90) Hexachloroethane	13.85	117	39214	23.725	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	141737	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14494	14.870	ug/l	93

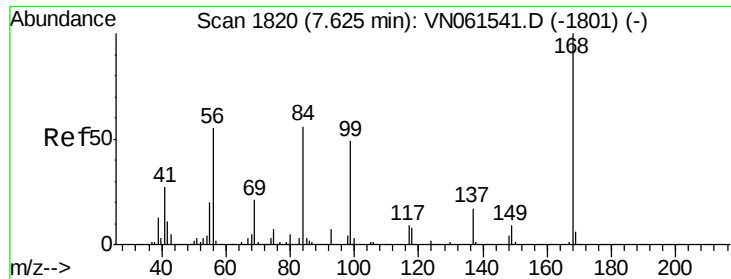
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	74966	17.399	ug/l	99
94) Hexachlorobutadiene	14.99	225	34729	18.900	ug/l	97
95) Naphthalene	15.11	128	204993	15.631	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	76327	18.018	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

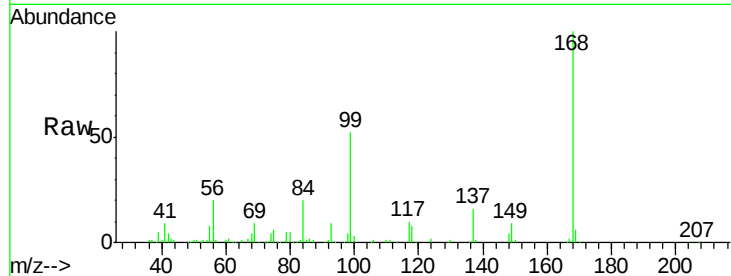
ClientSampled :

Tot Ion:168 Resp: 312500

Ion Ratio Lower Upper

168 100

99 52.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

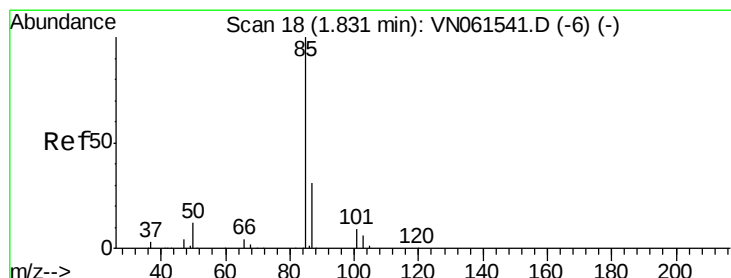
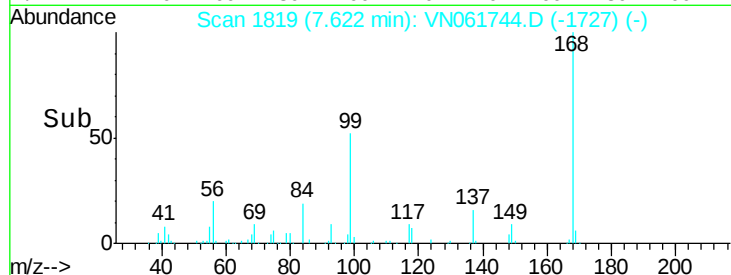
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.769 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061744.D

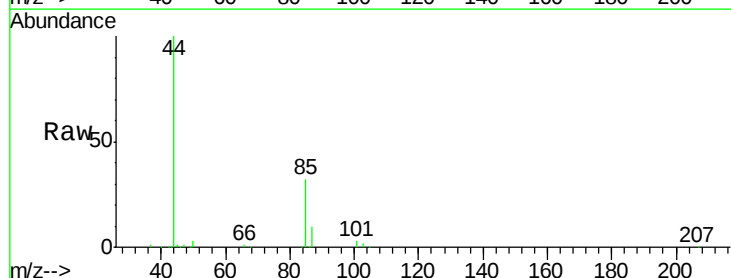
Acq: 11 Jun 2020 14:07

Tgt Ion: 85 Resp: 61380

Ion Ratio Lower Upper

85 100

87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

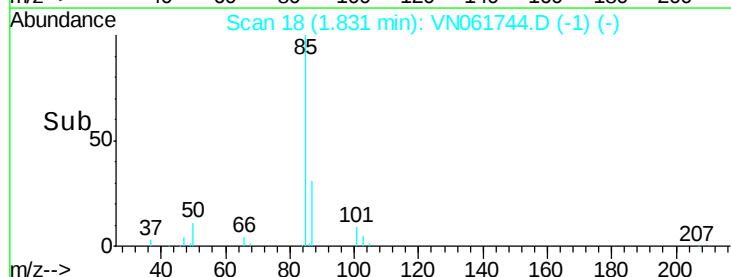
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.581 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

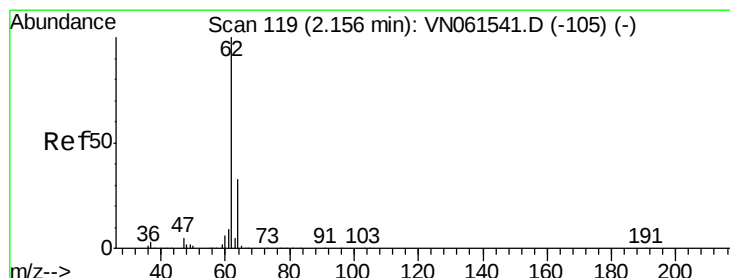
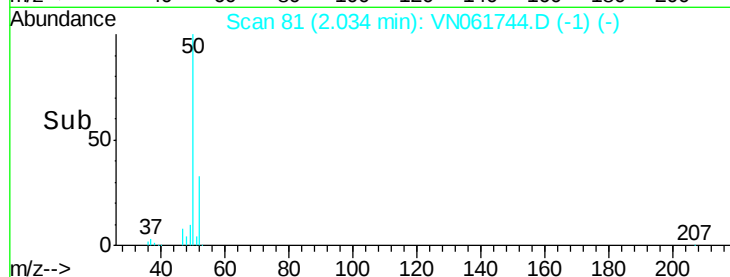
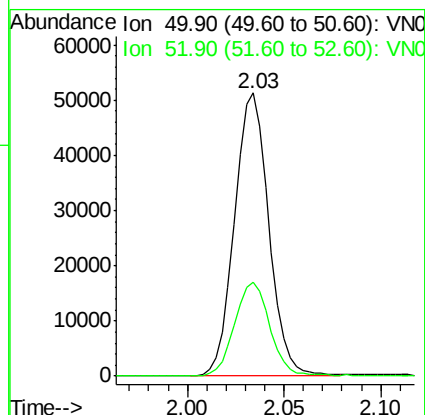
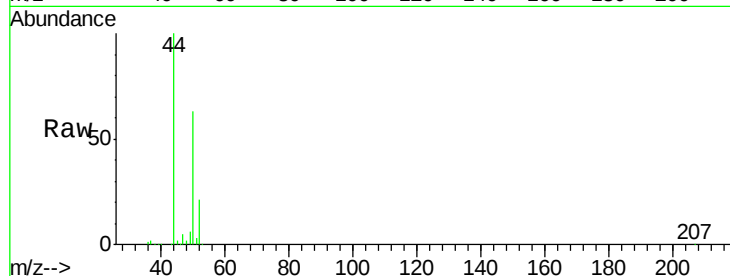
ClientSampleId :

Tot Ion: 50 Resp: 63200

Ion Ratio Lower Upper

50 100

52 33.3 26.7 40.1



#4

Vinyl Chloride

Concen: 15.989 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061744.D

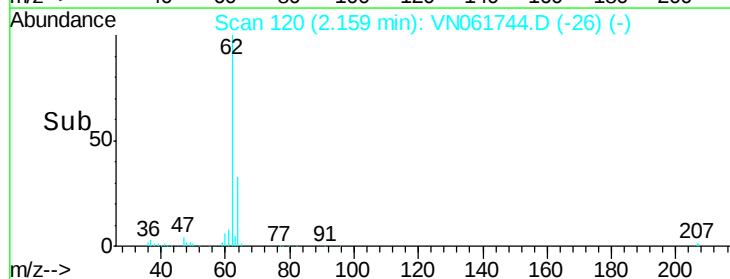
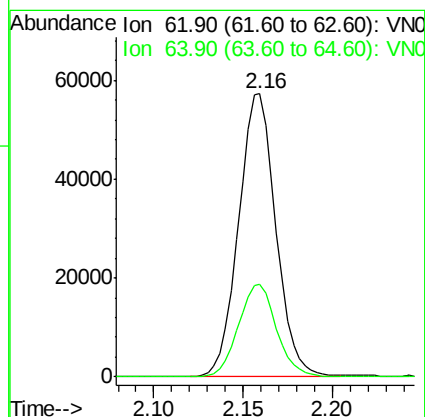
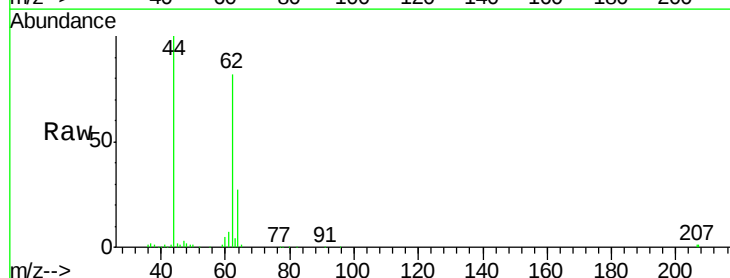
Acq: 11 Jun 2020 14:07

Tgt Ion: 62 Resp: 83511

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 18.785 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

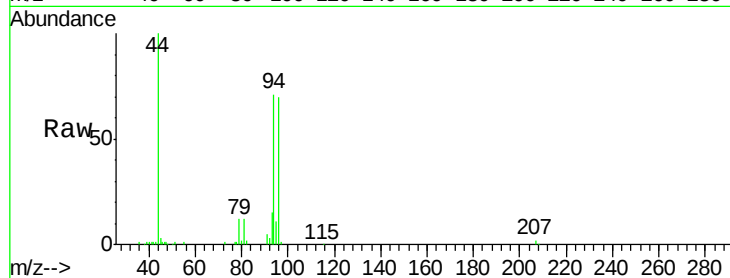
ClientSampled :

Tot Ion: 94 Resp: 56300

Ion Ratio Lower Upper

94 100

96 99.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN061744.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VN061744.D (-143) (-)

2.53

30000

25000

20000

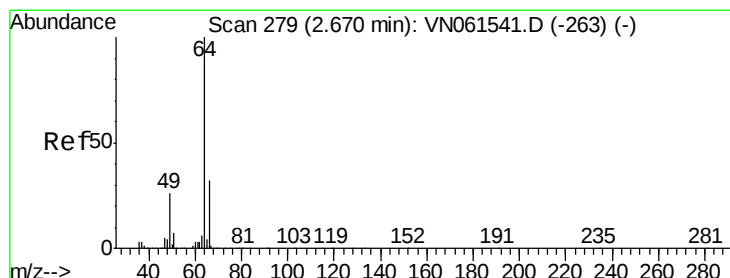
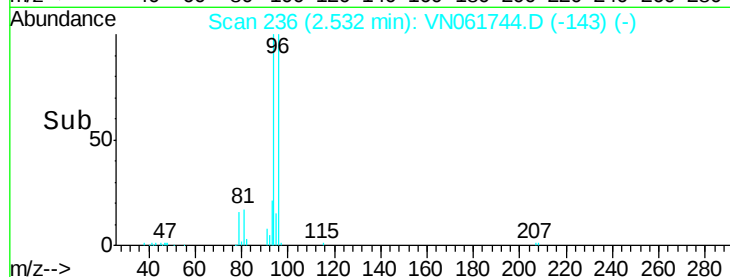
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.011 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061744.D

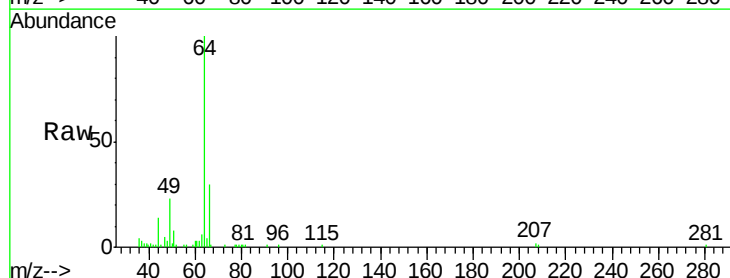
Acq: 11 Jun 2020 14:07

Tgt Ion: 64 Resp: 57191

Ion Ratio Lower Upper

64 100

66 30.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN061744.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VN061744.D (-186) (-)

2.67

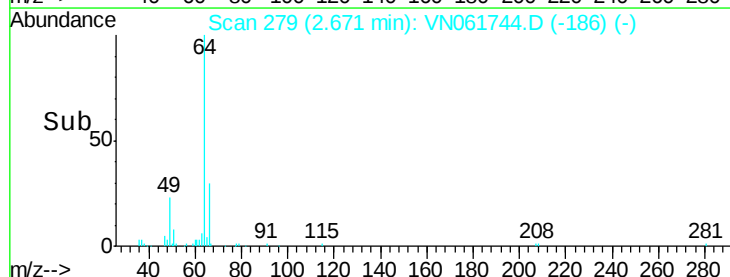
30000

20000

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Time-->



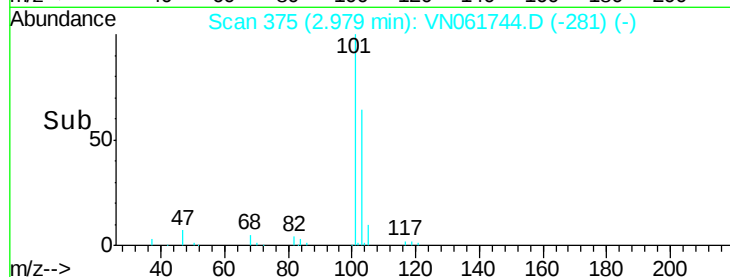
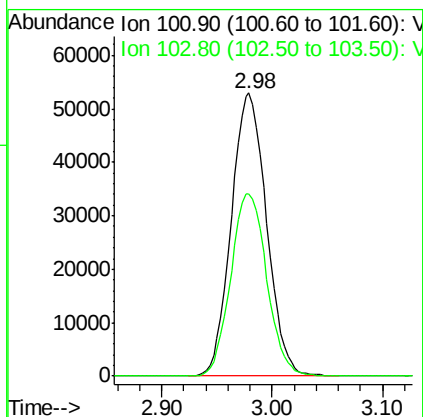
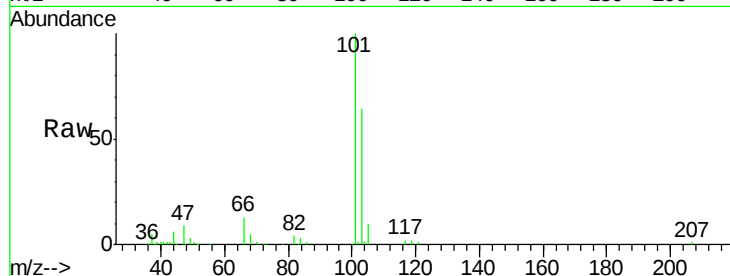


#7

Trichlorofluoromethane
 Concen: 17.436 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Instrument :
 MSVOA_N
 ClientSampled :

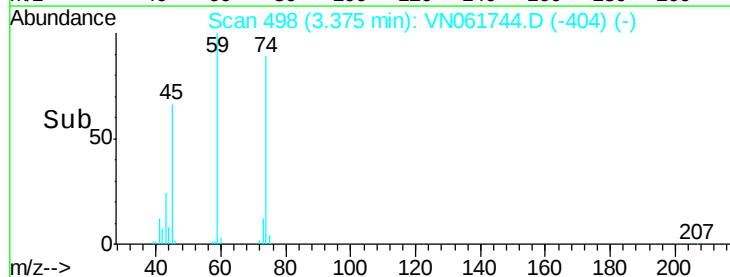
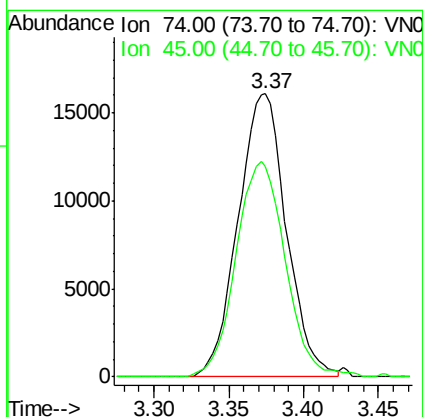
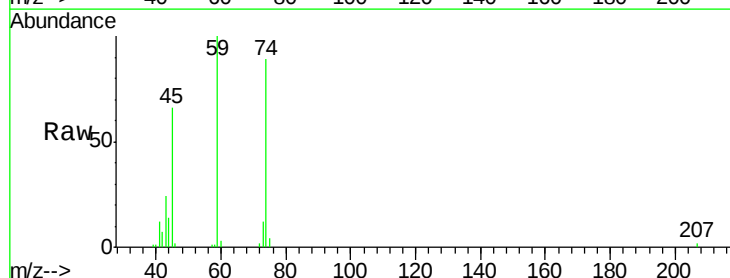
Tot Ion:101 Resp: 117438
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2

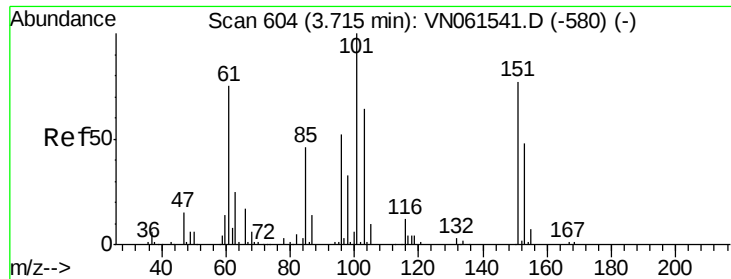


#8

Diethyl Ether
 Concen: 17.528 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion: 74 Resp: 36099
 Ion Ratio Lower Upper
 74 100
 45 77.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.711 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

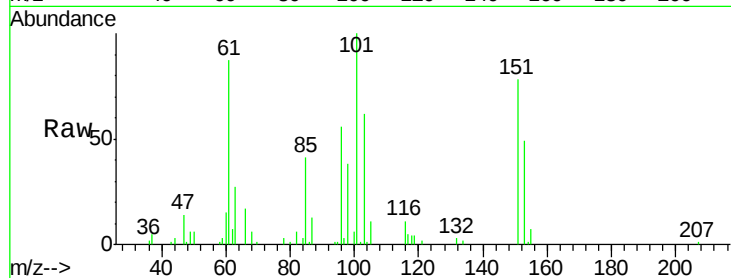
Tot Ion:101 Resp: 55926

Ion Ratio Lower Upper

101 100

85 42.6 35.2 52.8

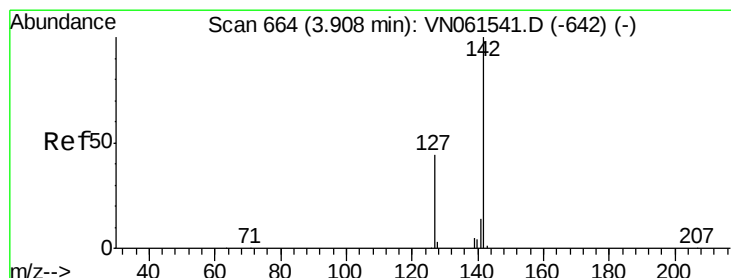
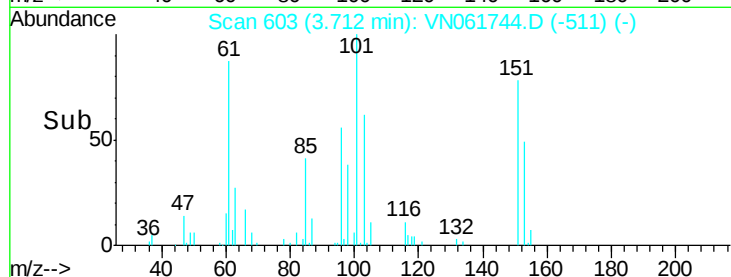
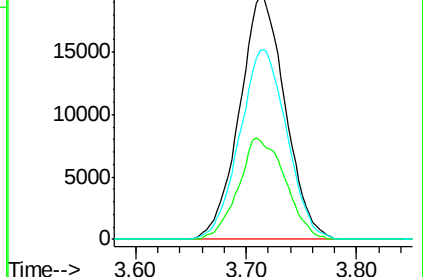
151 80.4 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.279 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

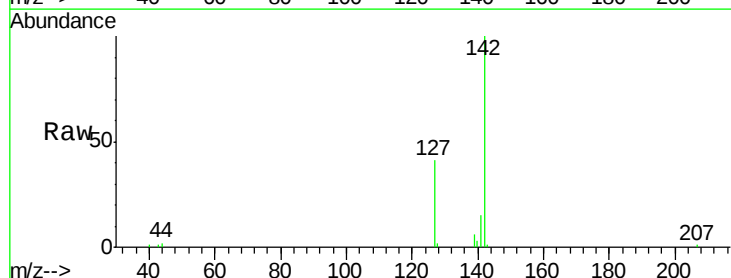
Tgt Ion:142 Resp: 75843

Ion Ratio Lower Upper

142 100

127 42.3 35.5 53.3

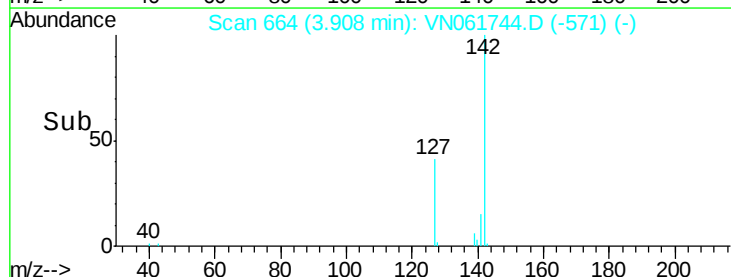
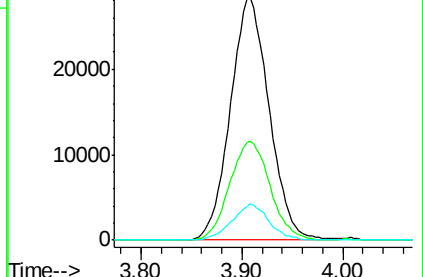
141 14.0 11.5 17.3

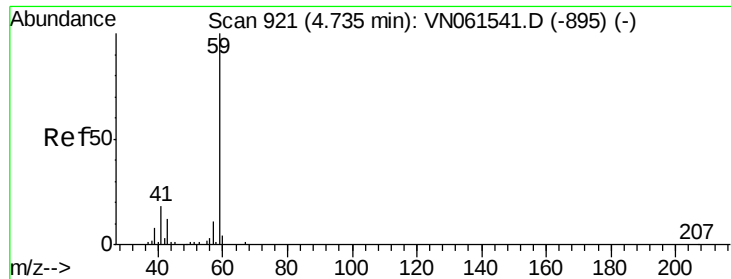


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

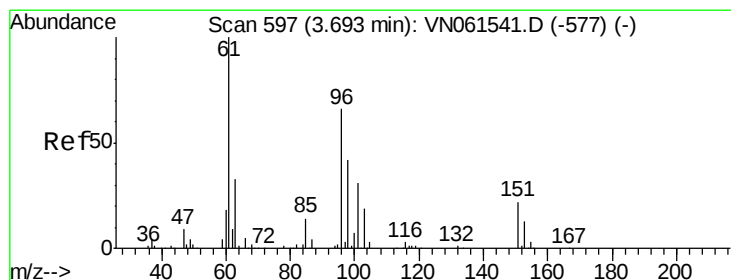
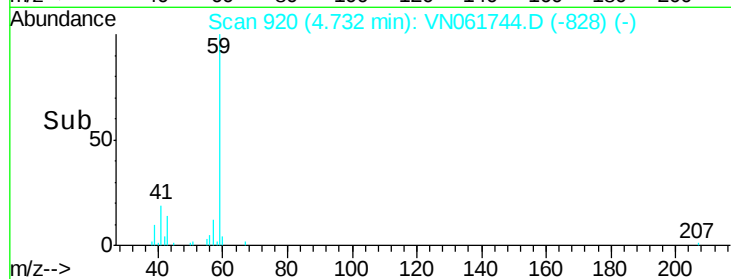
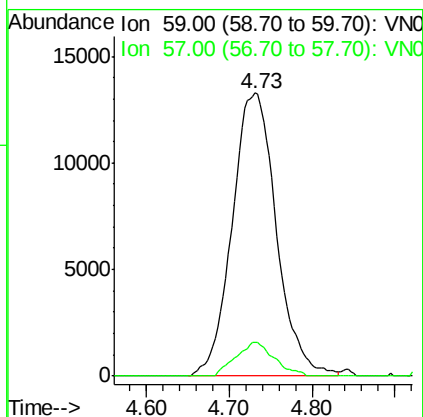
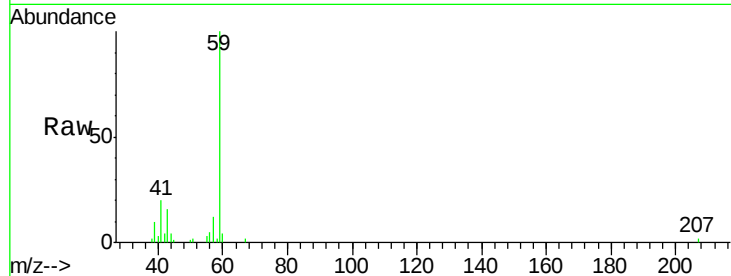




#11
Tert butyl alcohol
Concen: 99.204 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

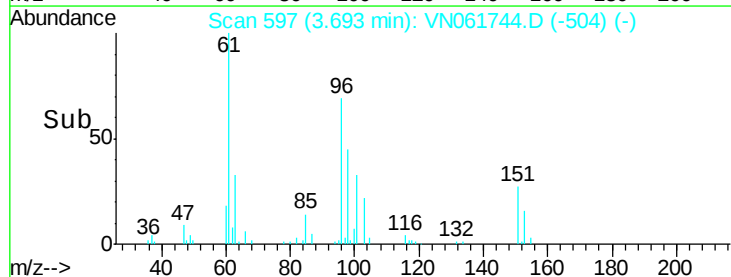
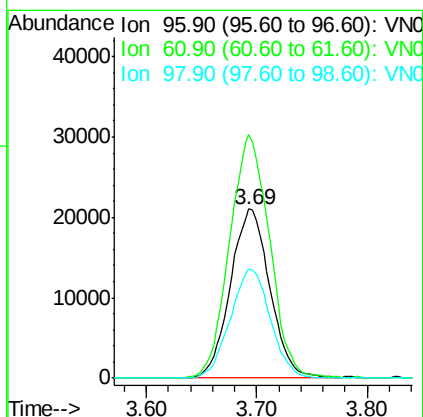
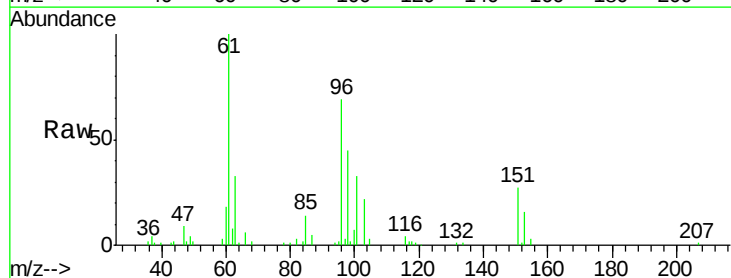
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 49129
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6



#12
1,1-Dichloroethene
Concen: 16.383 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 96 Resp: 52314
Ion Ratio Lower Upper
96 100
61 143.4 120.5 180.7
98 64.3 50.8 76.2





#13

Acrolein

Concen: 44.301 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

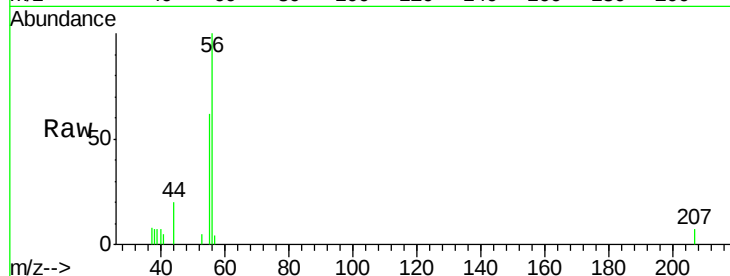
ClientSampled :

Tot Ion: 56 Resp: 9973

Ion Ratio Lower Upper

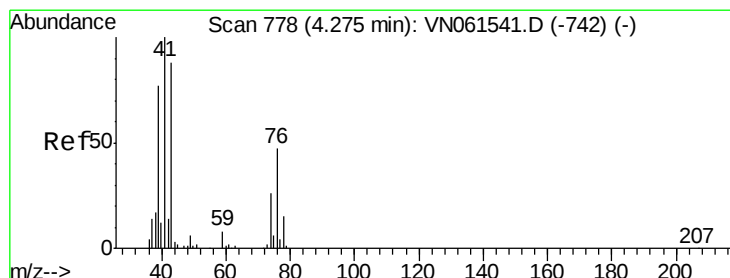
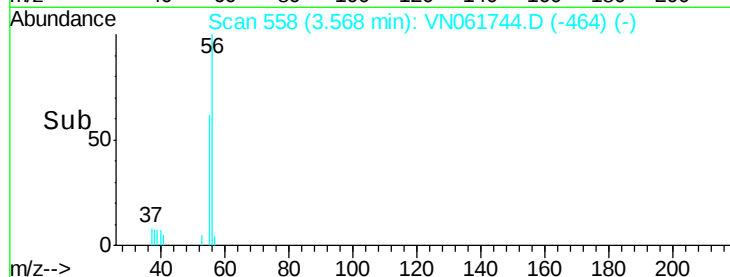
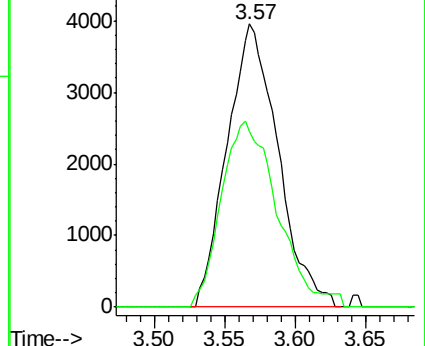
56 100

55 71.3 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.566 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

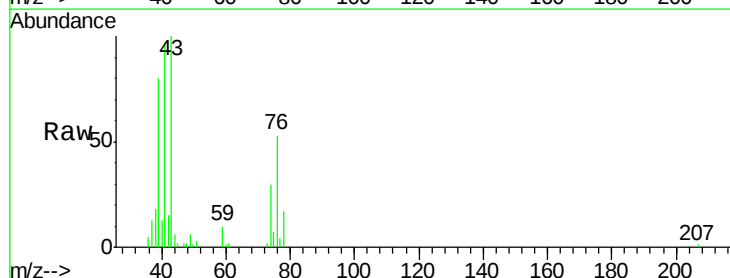
Tgt Ion: 41 Resp: 64983

Ion Ratio Lower Upper

41 100

39 74.0 58.6 88.0

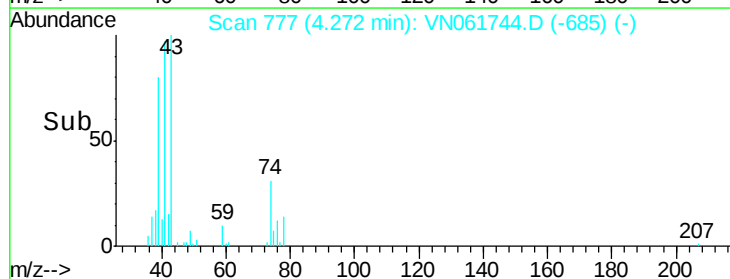
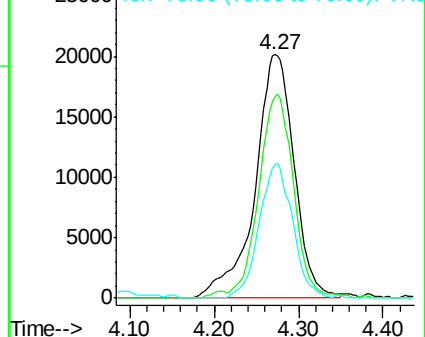
76 47.2 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 87.701 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

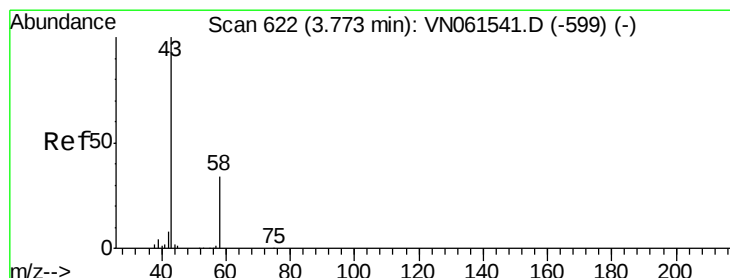
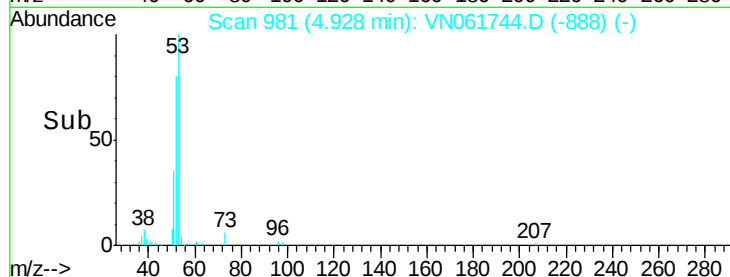
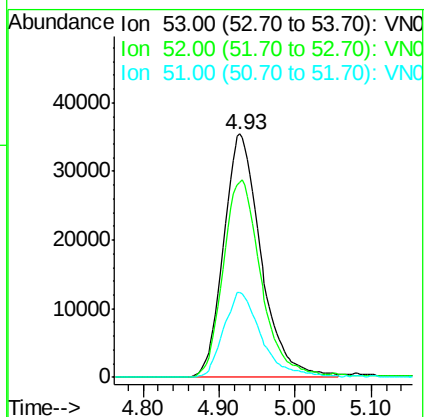
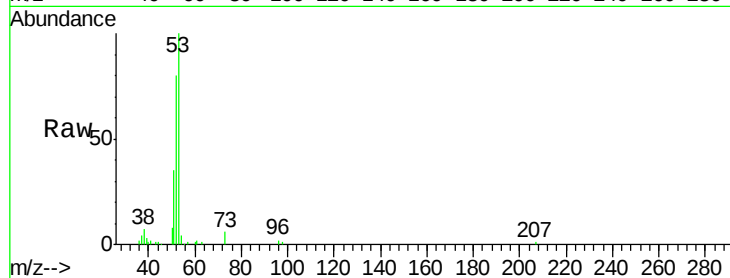
Tot Ion: 53 Resp: 121229

Ion Ratio Lower Upper

53 100

52 81.9 65.4 98.2

51 35.4 29.0 43.6



#16

Acetone

Concen: 89.601 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061744.D

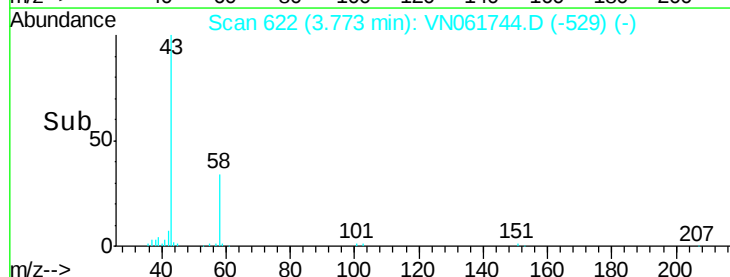
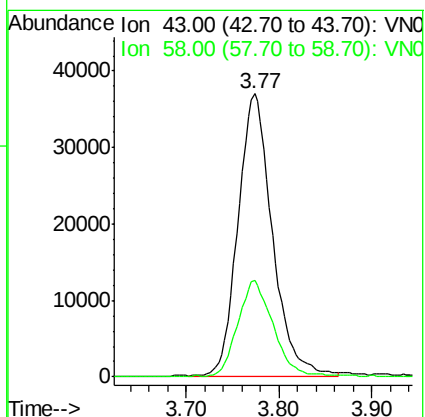
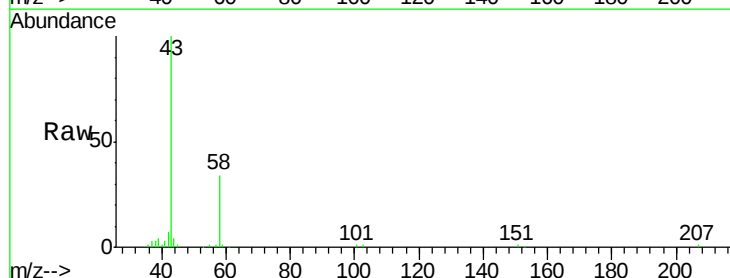
Acq: 11 Jun 2020 14:07

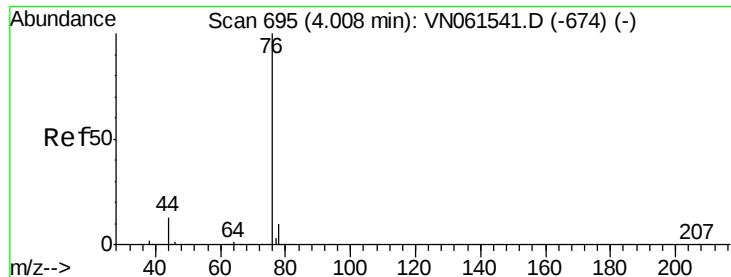
Tgt Ion: 43 Resp: 96024

Ion Ratio Lower Upper

43 100

58 34.2 27.2 40.8

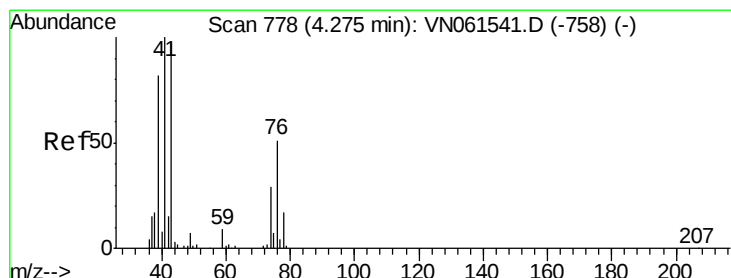
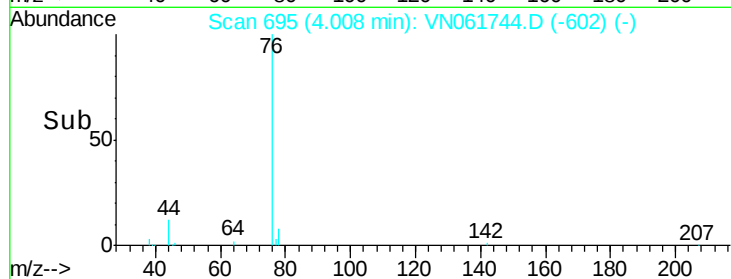
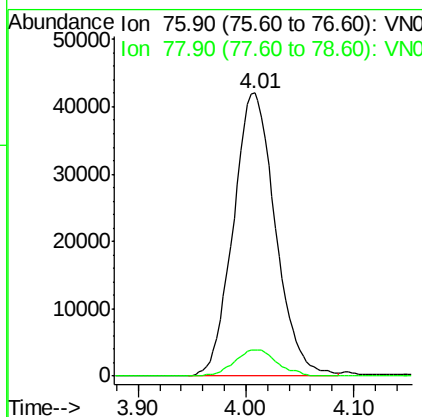
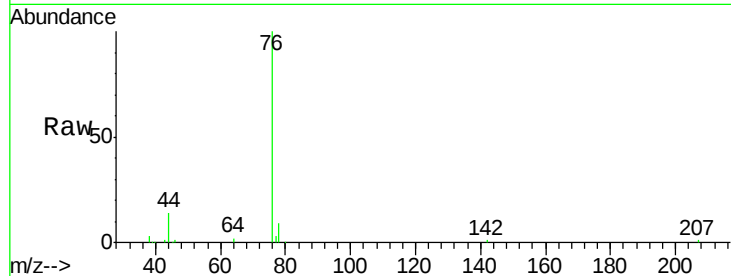




#17
Carbon Disulfide
Concen: 16.268 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

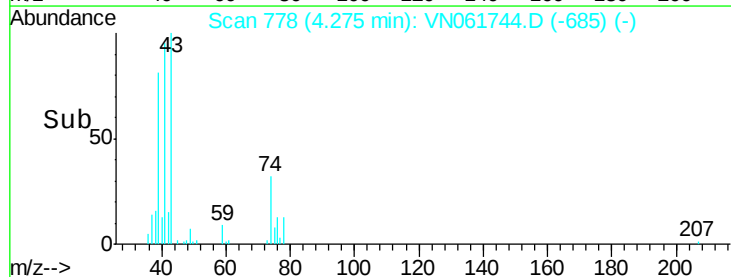
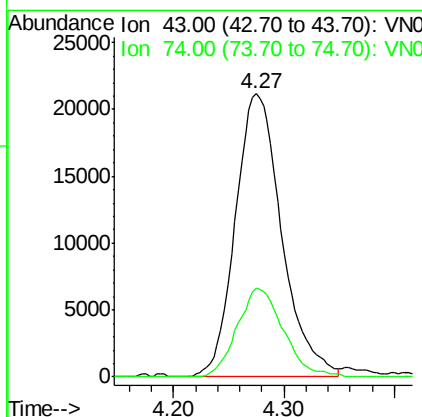
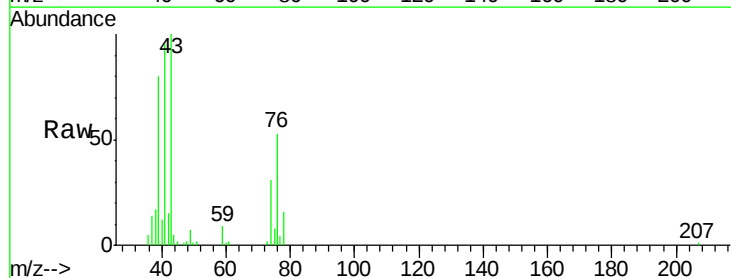
Instrument :
MSVOA_N
ClientSampled :

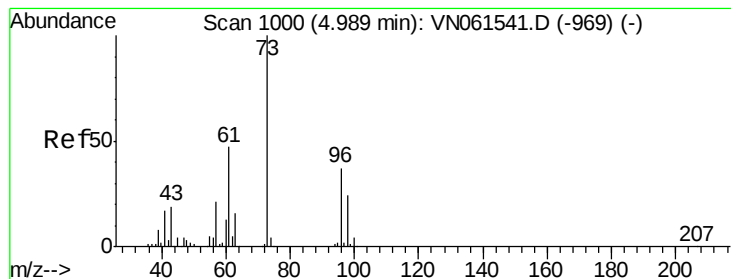
Tot Ion: 76 Resp: 114291
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.6



#18
Methyl Acetate
Concen: 18.313 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 43 Resp: 61725
Ion Ratio Lower Upper
43 100
74 31.2 23.2 34.8



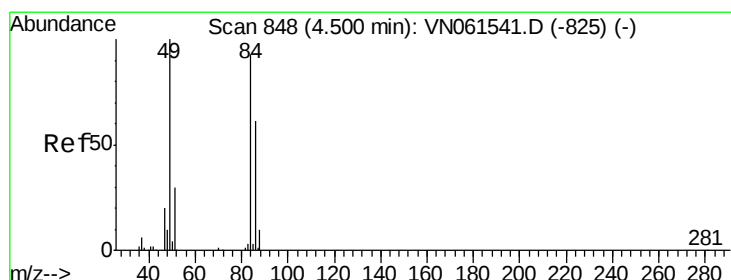
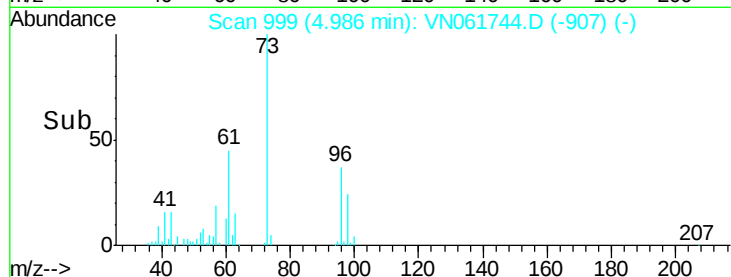
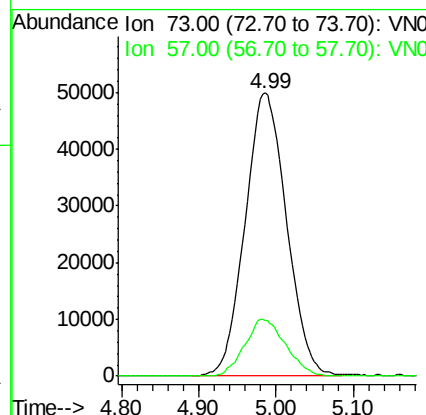
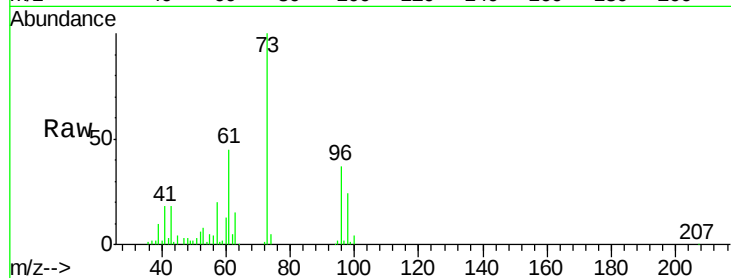


#19

Methvl tert-butvl Ether
 Concen: 17.107 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Instrument :
 MSVOA_N
 ClientSampled :

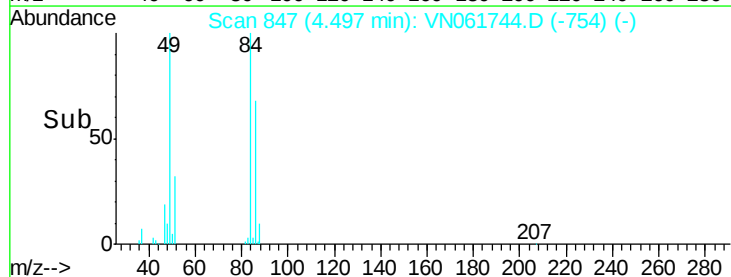
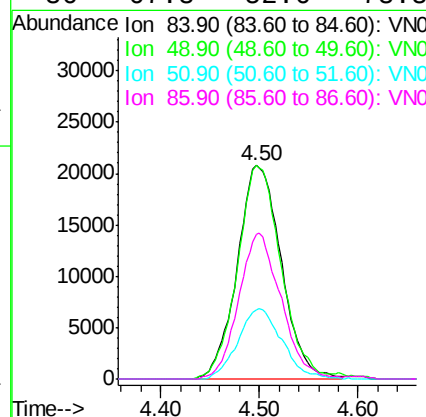
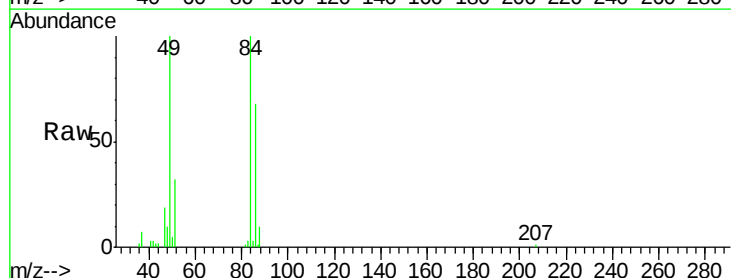
Tot Ion: 73 Resp: 186171
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.4 24.6

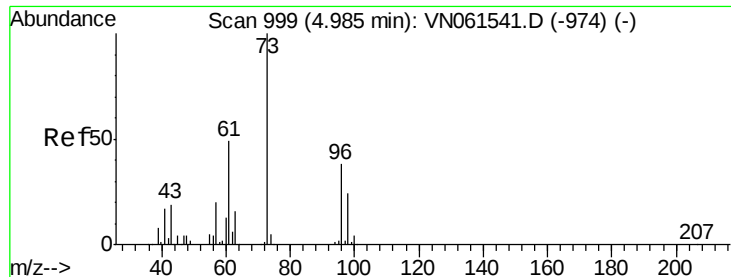


#20

Methylene Chloride
 Concen: 17.903 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion: 84 Resp: 64365
 Ion Ratio Lower Upper
 84 100
 49 100.2 85.8 128.8
 51 32.2 26.2 39.2
 86 67.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 16.990 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

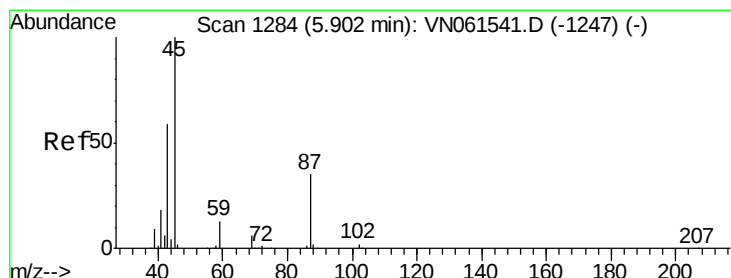
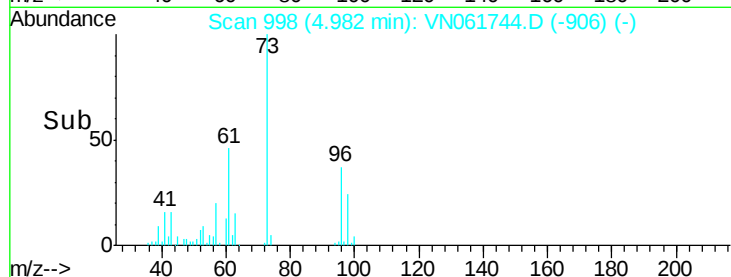
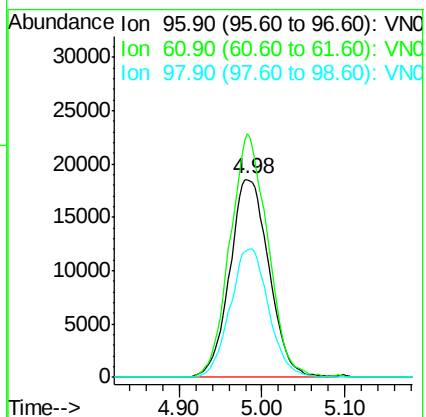
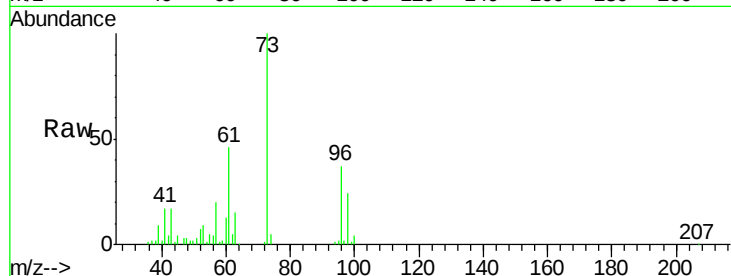
Tot Ion: 96 Resp: 61184

Ion Ratio Lower Upper

96 100

61 122.9 101.4 152.0

98 63.9 50.6 76.0



#22

Diisopropyl ether

Concen: 17.237 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Tgt Ion: 45 Resp: 158598

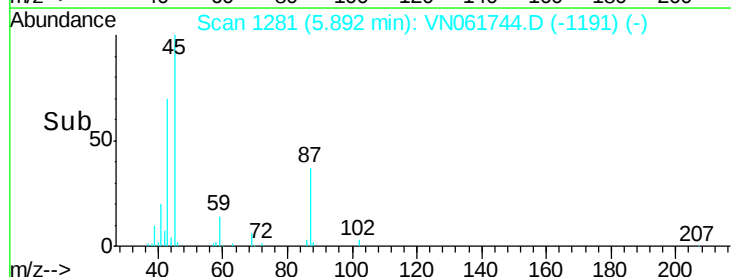
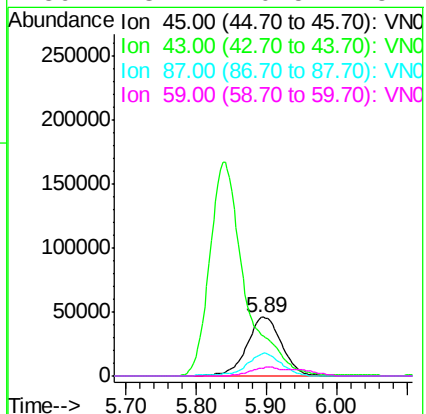
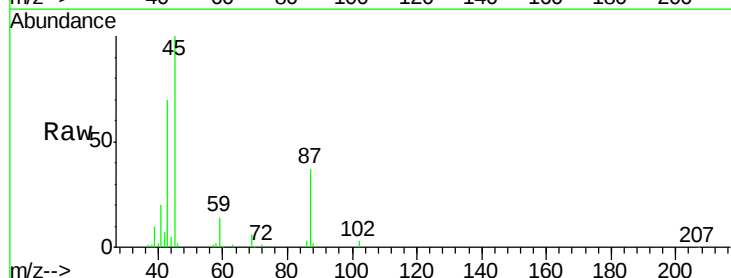
Ion Ratio Lower Upper

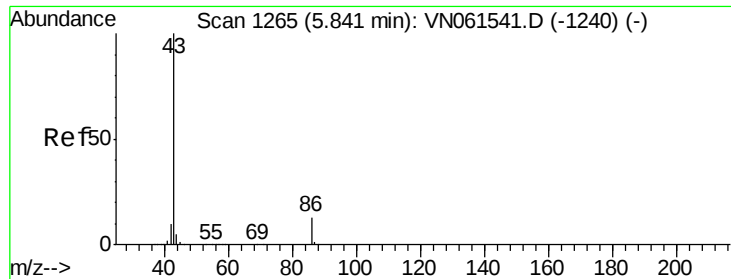
45 100

43 68.2 47.9 71.9

87 37.3 28.4 42.6

59 13.1 10.5 15.7





#23

Vinyl Acetate

Concen: 79.110 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

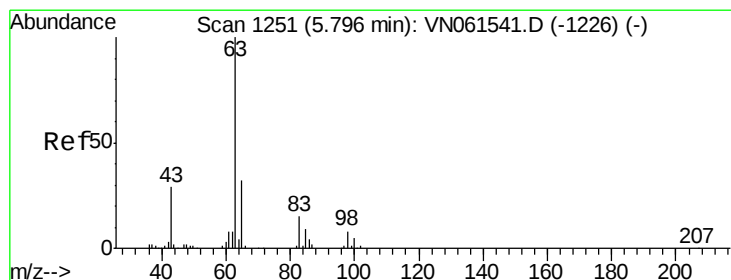
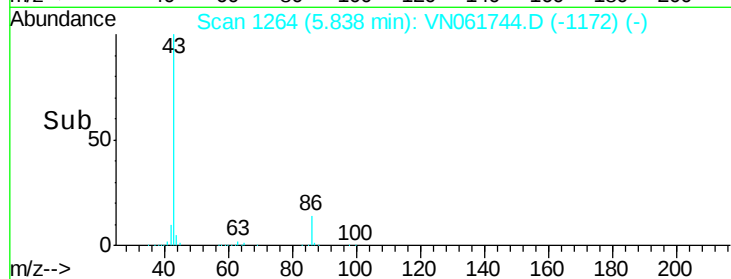
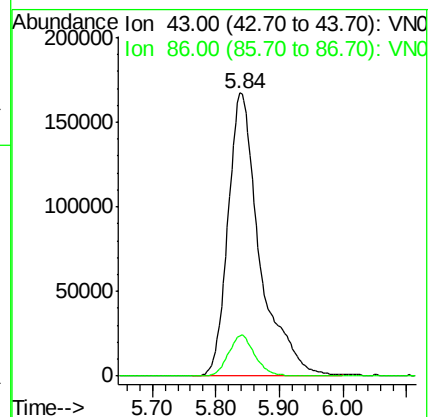
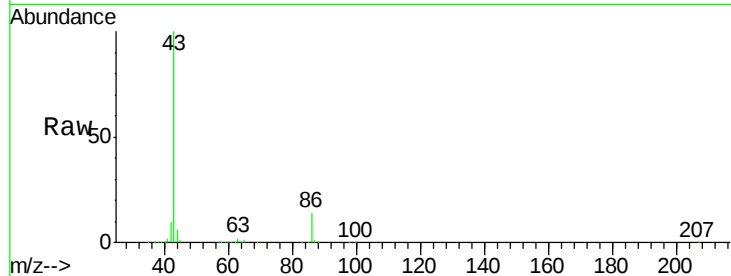
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 580146

Ion Ratio Lower Upper

43 100

86 14.4 10.6 16.0



#24

1,1-Dichloroethane

Concen: 17.746 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

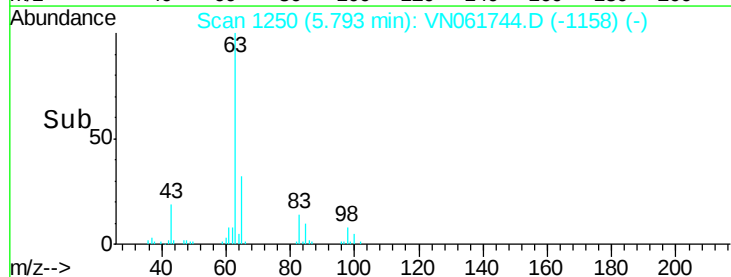
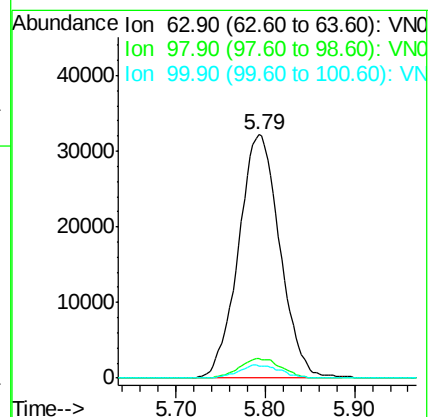
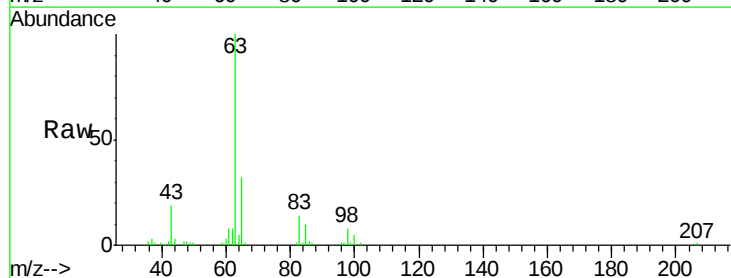
Tgt Ion: 63 Resp: 103542

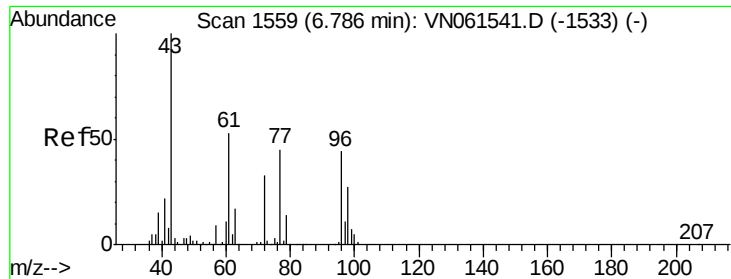
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 5.0 2.5 7.6





#25

2-Butanone

Concen: 82.360 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

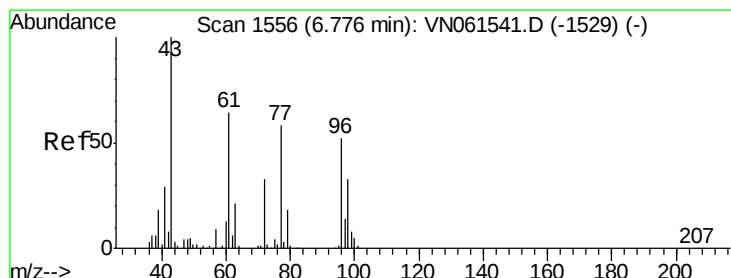
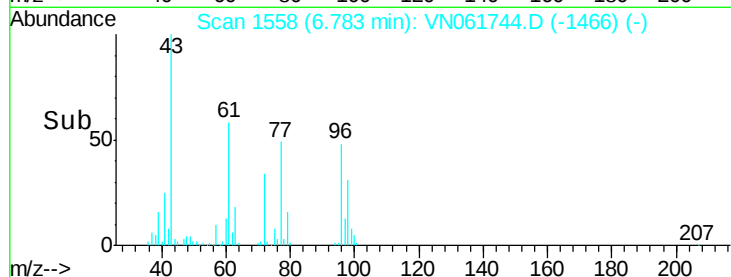
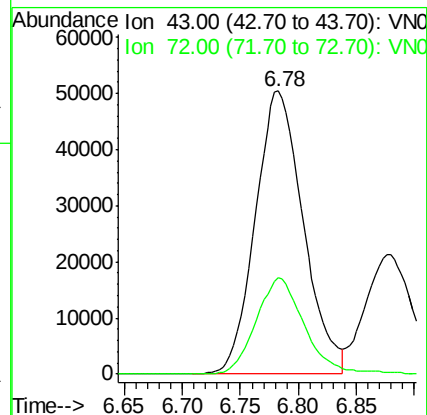
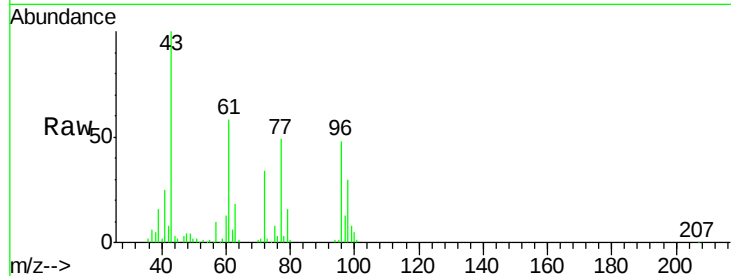
ClientSampled :

Tot Ion: 43 Resp: 145329

Ion Ratio Lower Upper

43 100

72 34.0 26.0 39.0



#26

2,2-Dichloropropane

Concen: 17.150 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061744.D

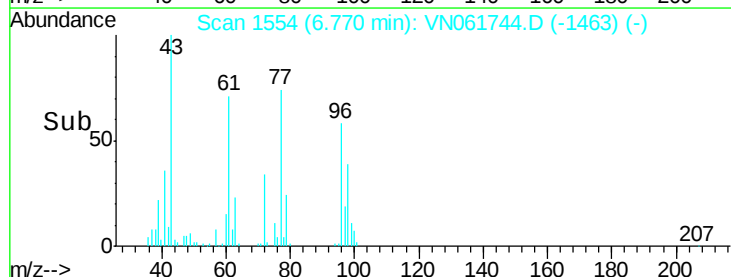
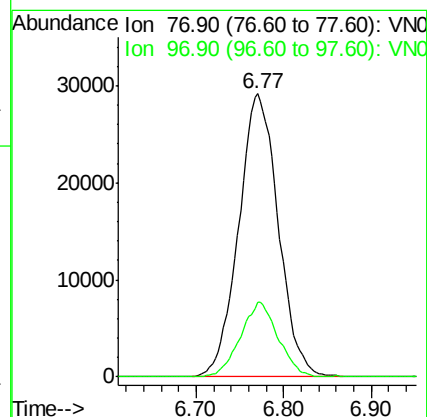
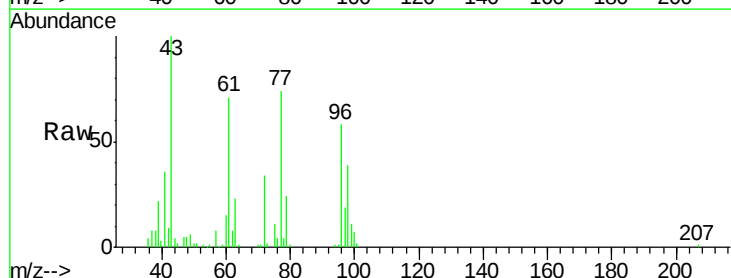
Acq: 11 Jun 2020 14:07

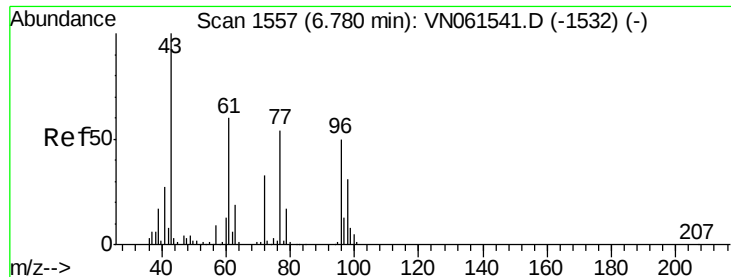
Tgt Ion: 77 Resp: 91586

Ion Ratio Lower Upper

77 100

97 25.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 17.707 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

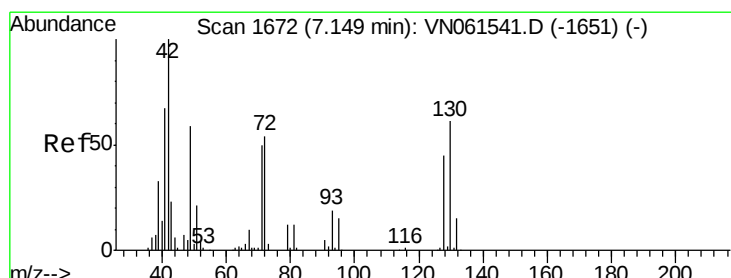
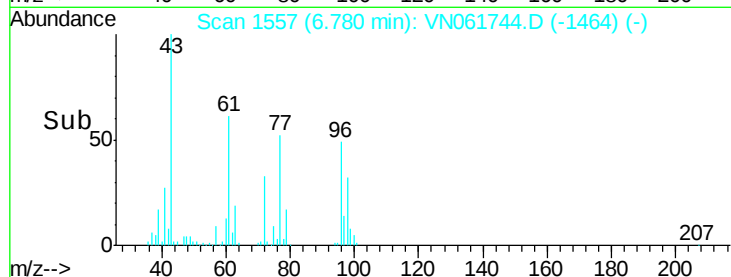
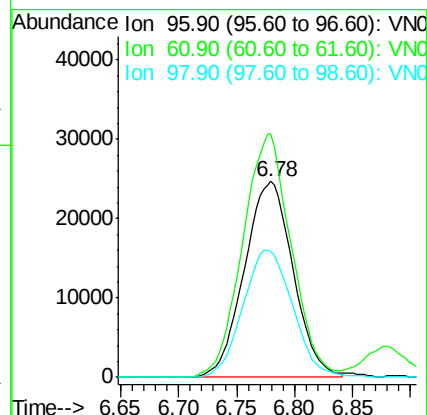
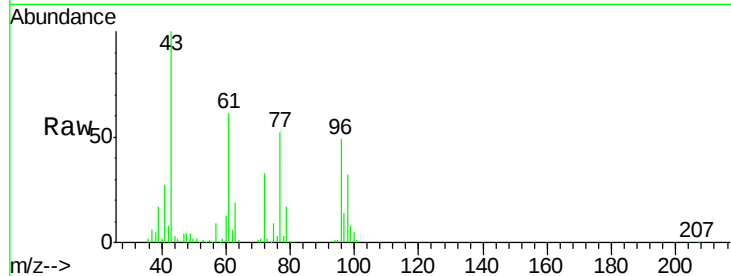
Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 72206

Ion	Ratio	Lower	Upper
96	100		
61	123.5	0.0	252.2
98	66.4	0.0	129.2



#28

Bromochloromethane

Concen: 18.821 ug/l

RT: 7.15 min Scan# 1671

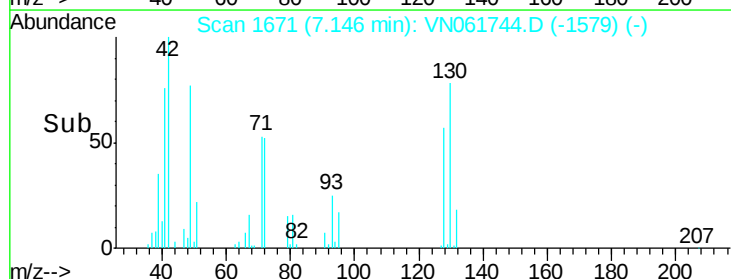
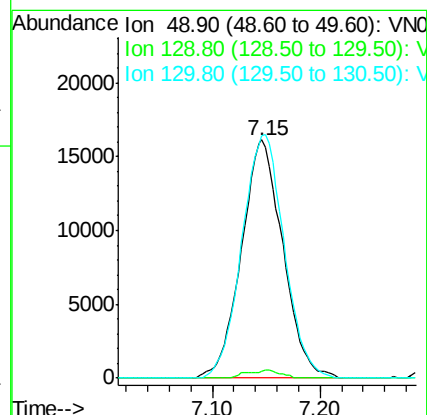
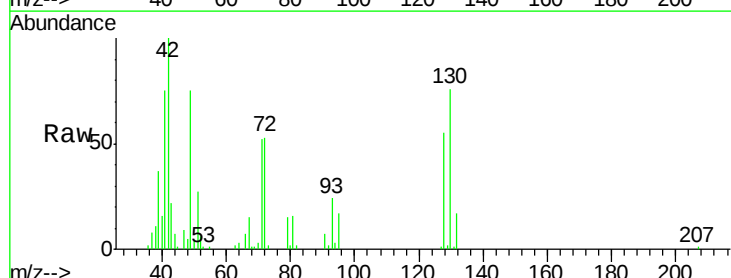
Delta R.T. -0.00 min

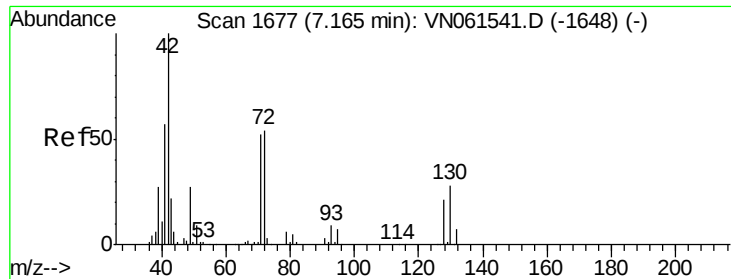
Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Tgt Ion: 49 Resp: 43131

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	104.2	78.8	118.2

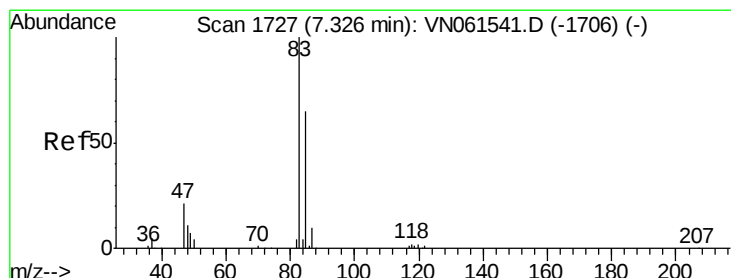
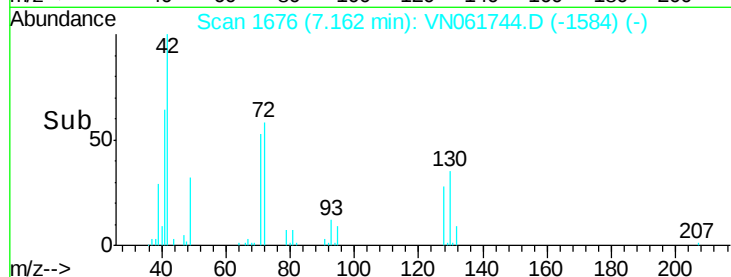
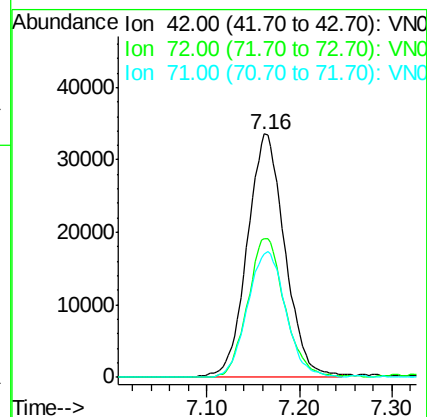
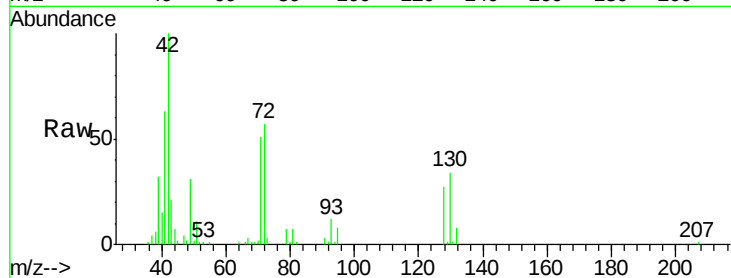




#29
Tetrahydrofuran
Concen: 81.454 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

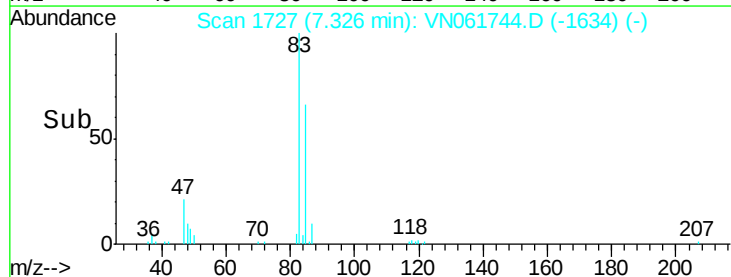
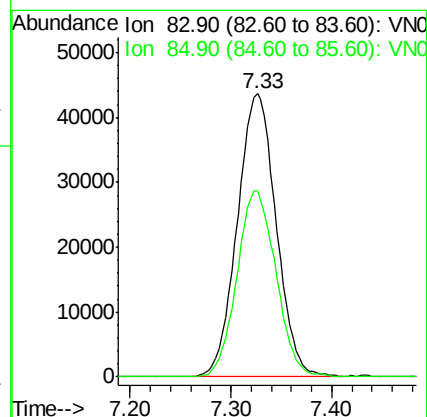
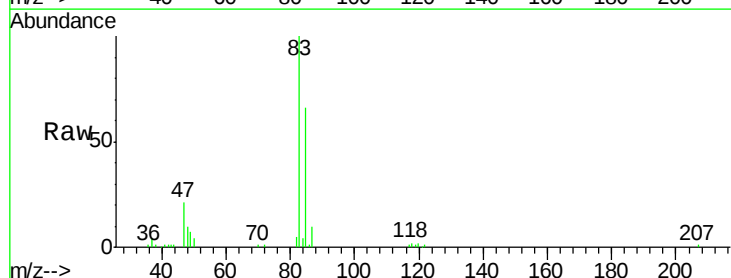
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 94778
Ion Ratio Lower Upper
42 100
72 56.1 43.6 65.4
71 52.4 41.2 61.8



#30
Chloroform
Concen: 18.059 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 83 Resp: 116567
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5





#31

Cyclohexane

Concen: 15.979 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :
MSVOA_N
ClientSampled :

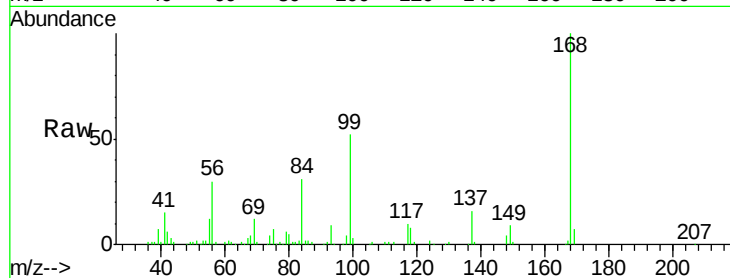
Tot Ion: 56 Resp: 83847

Ion Ratio Lower Upper

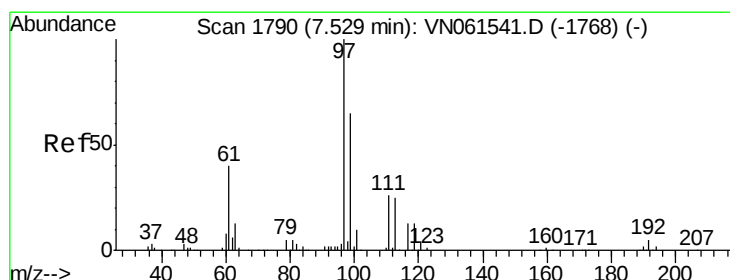
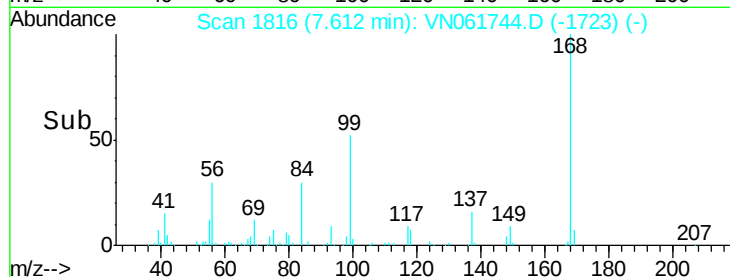
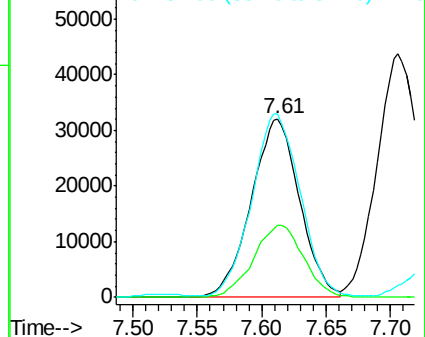
56 100

69 40.1 27.8 41.8

84 101.5 79.9 119.9



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



#32

1,1,1-Trichloroethane

Concen: 17.264 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

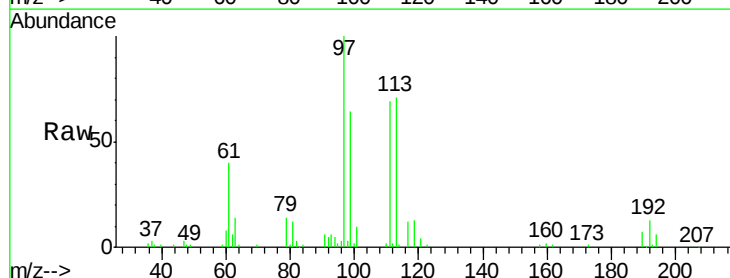
Tgt Ion: 97 Resp: 101542

Ion Ratio Lower Upper

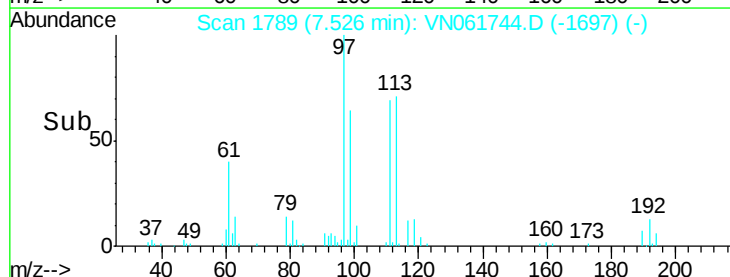
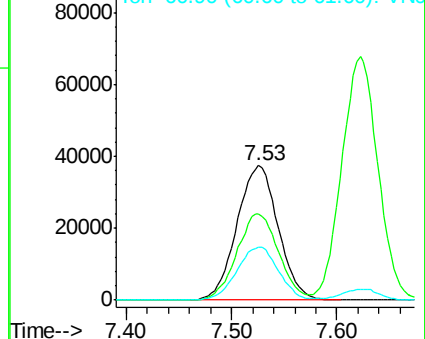
97 100

99 65.0 51.4 77.0

61 40.1 31.4 47.0



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





#33

1,2-Dichloroethane-d4

Concen: 46.501 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

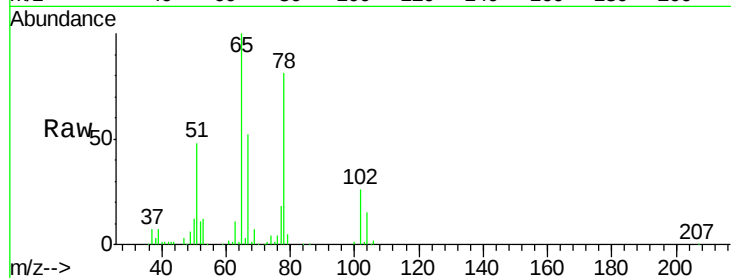
ClientSampleId :

Tot Ion: 65 Resp: 173135

Ion Ratio Lower Upper

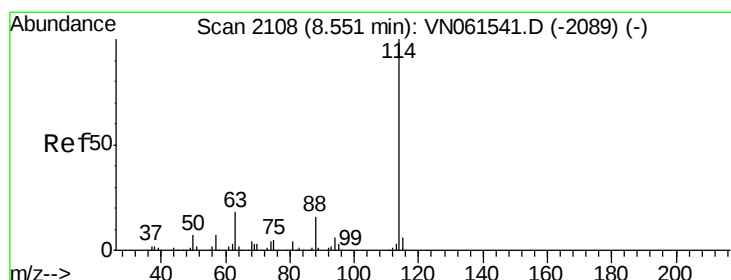
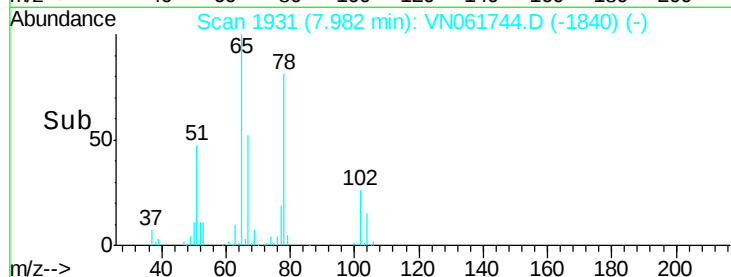
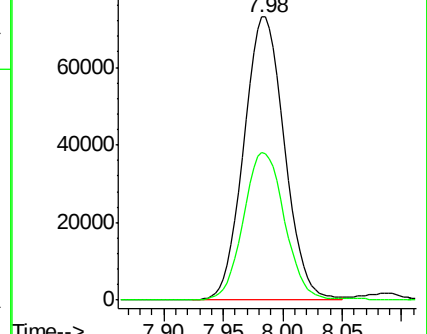
65 100

67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

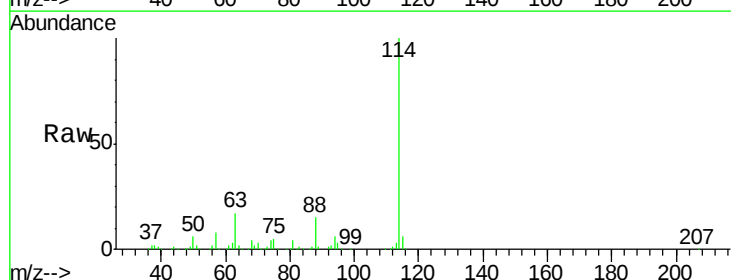
Tgt Ion: 114 Resp: 496985

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.8

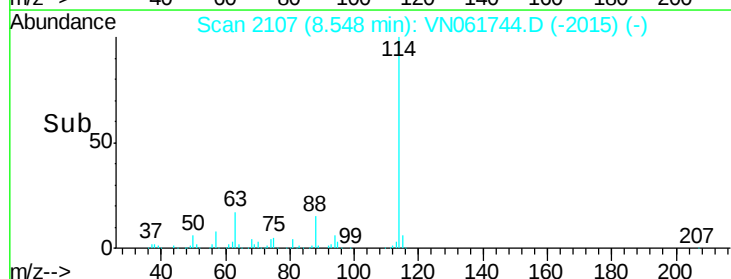
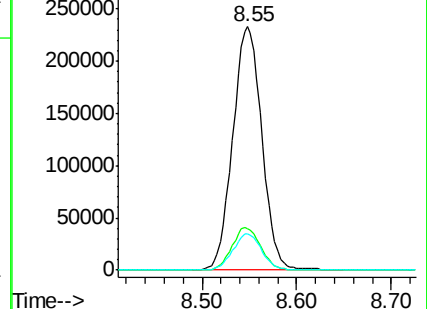
88 14.8 0.0 31.0

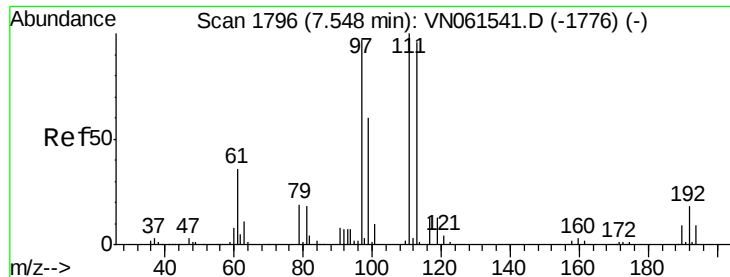


Abundance Ion 113.90 (113.60 to 114.60): VN061541.D (-2089) (-)

Ion 63.00 (62.70 to 63.70): VN061541.D (-2089) (-)

Ion 87.90 (87.60 to 88.60): VN061541.D (-2089) (-)

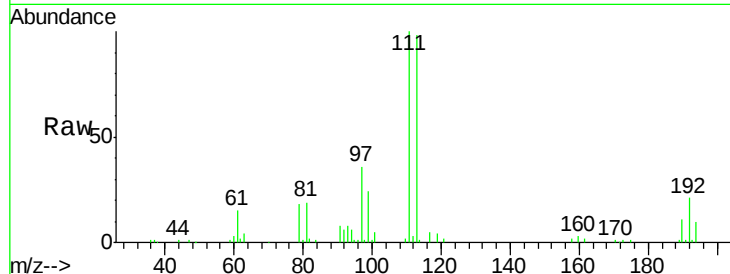




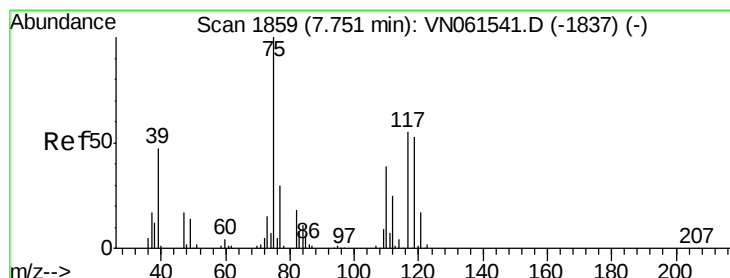
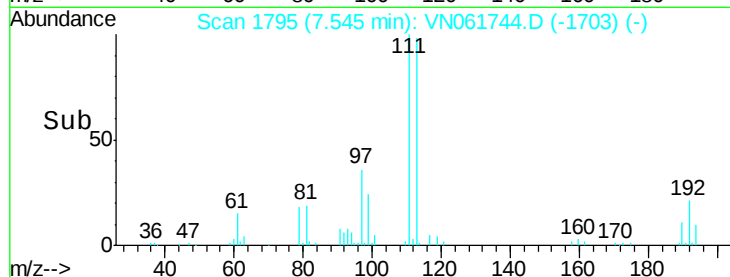
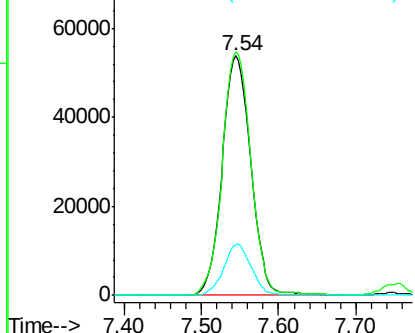
#35
Dibromofluoromethane
Concen: 54.874 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 138343
Ion Ratio Lower Upper
113 100
111 100.5 83.4 125.0
192 20.5 15.4 23.2

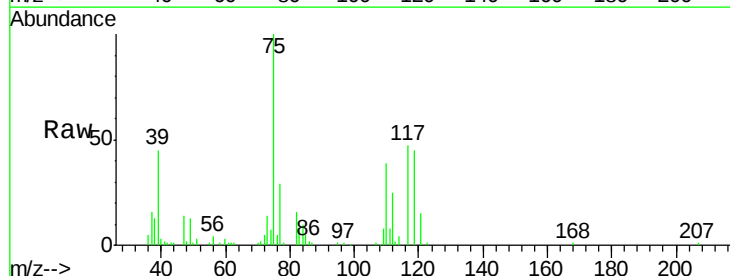


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

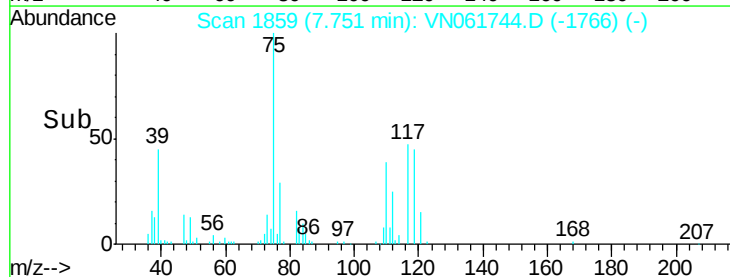
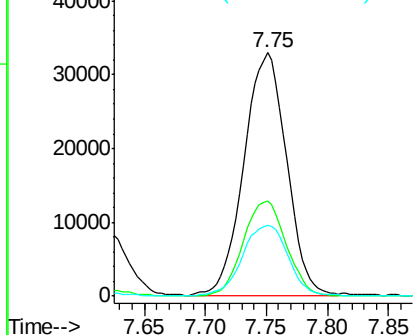


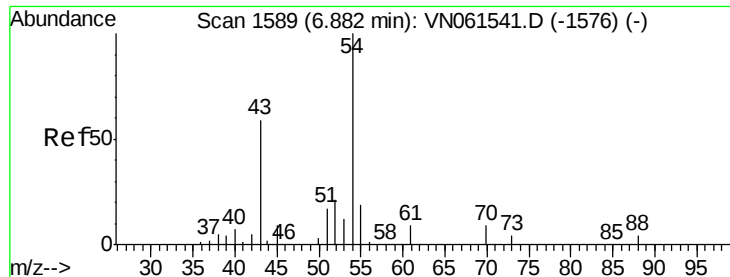
#36
1,1-Dichloropropene
Concen: 18.246 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 75 Resp: 80276
Ion Ratio Lower Upper
75 100
110 39.1 19.5 58.5
77 31.1 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

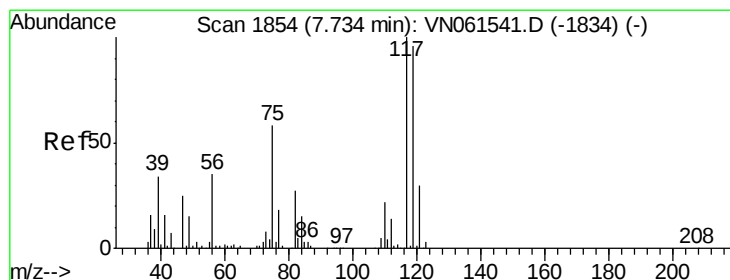
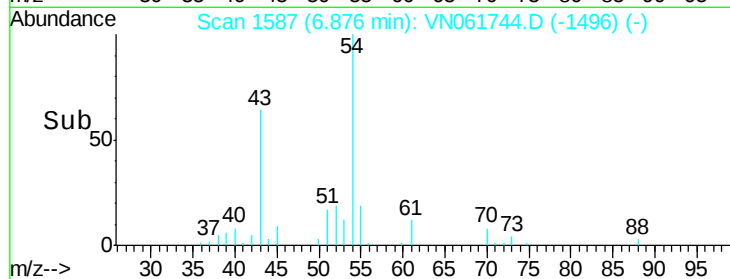
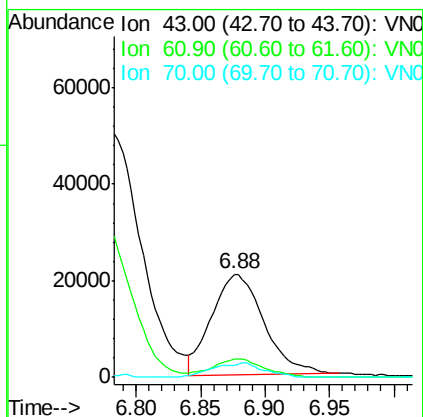
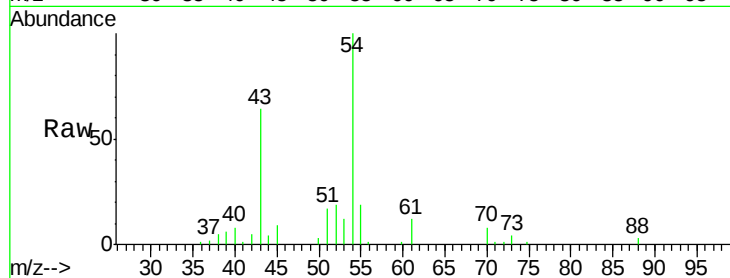




#37
Ethyl Acetate
Concen: 16.579 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

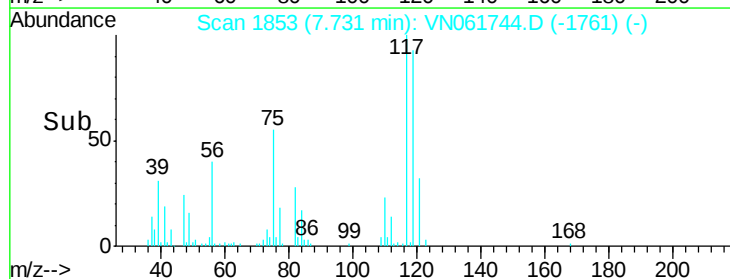
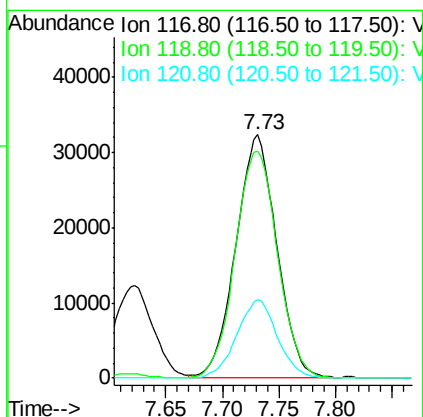
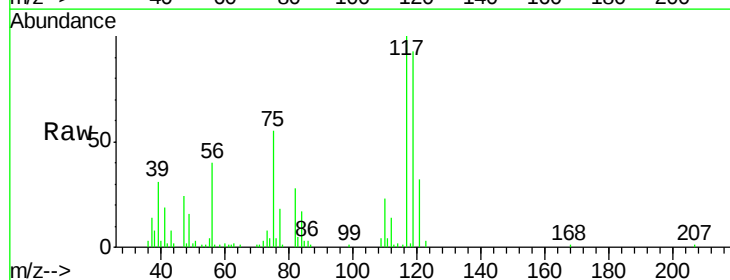
Instrument :
MSVOA_N
ClientSampleId :

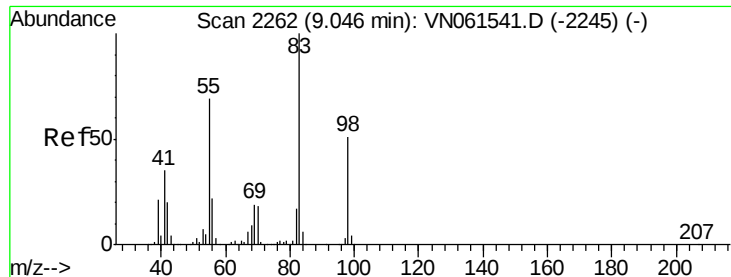
Tot Ion: 43 Resp: 58748
Ion Ratio Lower Upper
43 100
61 18.8 12.2 18.4#
70 14.2 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 19.219 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 117 Resp: 81561
Ion Ratio Lower Upper
117 100
119 93.0 76.5 114.7
121 32.2 24.1 36.1

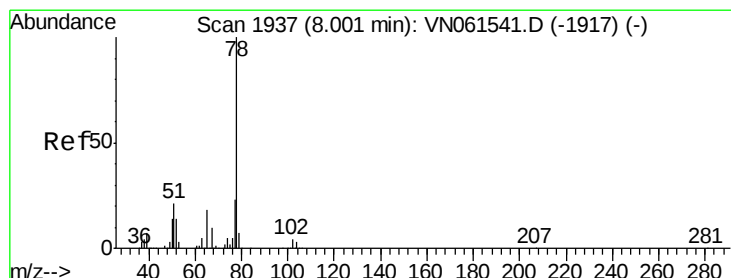
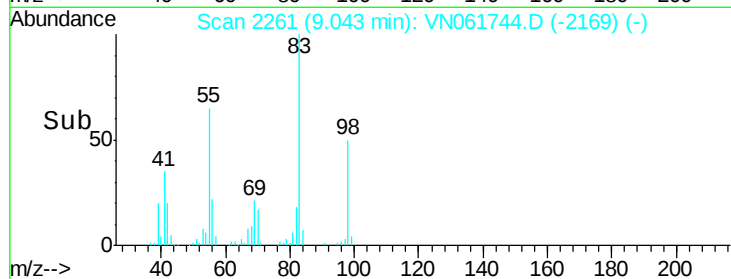
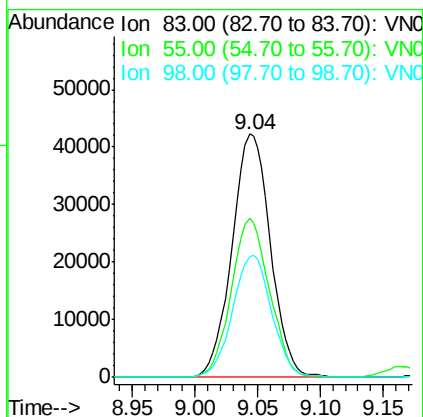
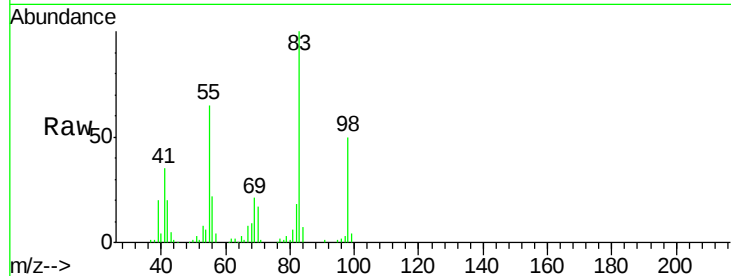




#39
Methvlcvclohexane
Concen: 16.609 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

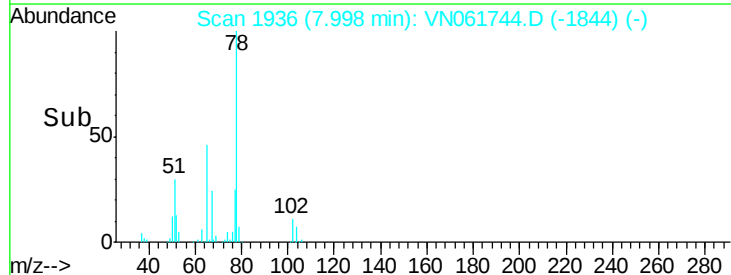
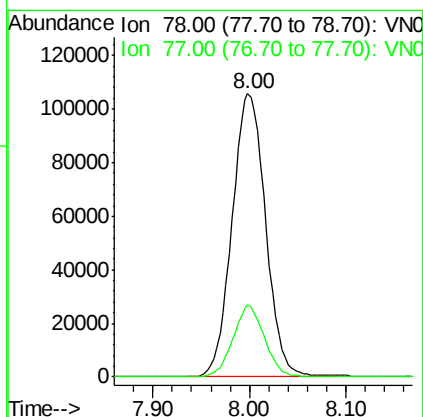
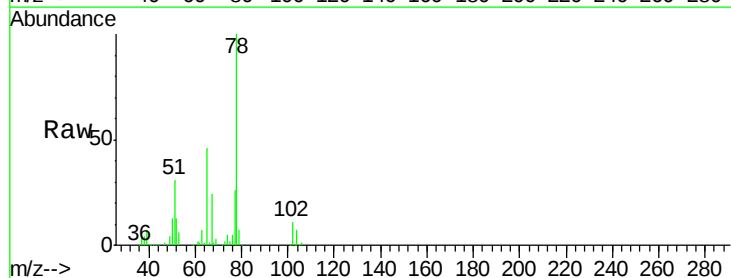
Instrument :
MSVOA_N
ClientSampled :

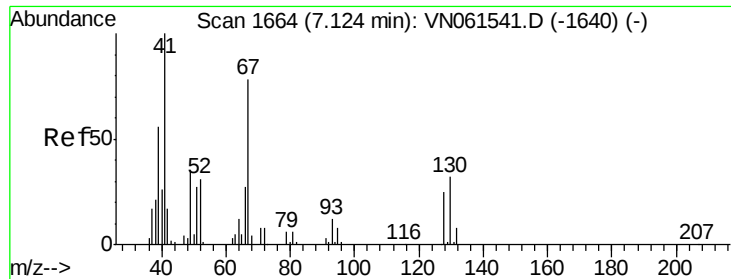
Tot Ion: 83 Resp: 90069
Ion Ratio Lower Upper
83 100
55 65.1 54.9 82.3
98 49.8 41.0 61.4



#40
Benzene
Concen: 18.738 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 78 Resp: 254362
Ion Ratio Lower Upper
78 100
77 25.6 18.6 28.0

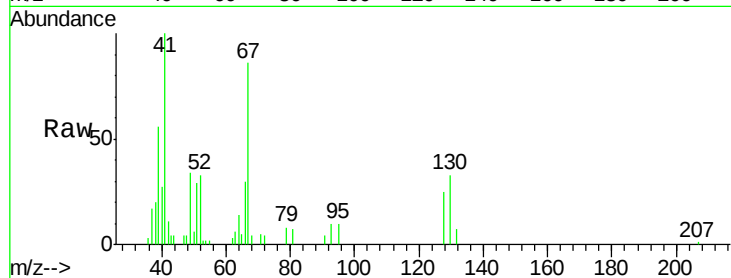




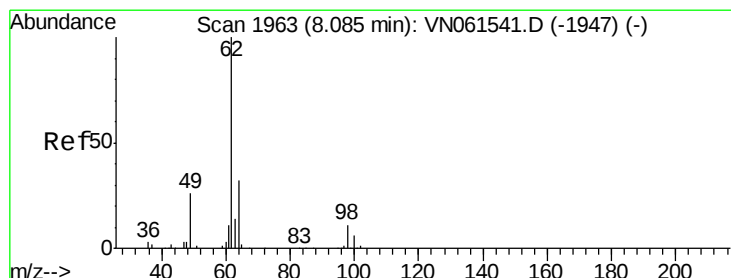
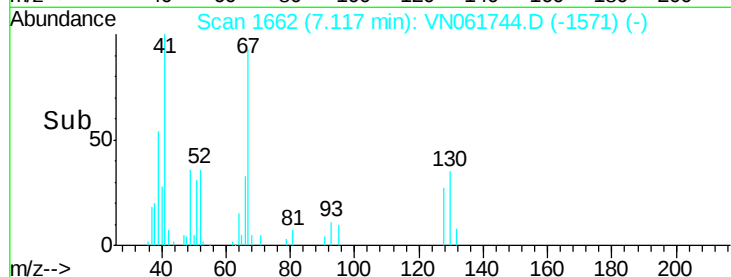
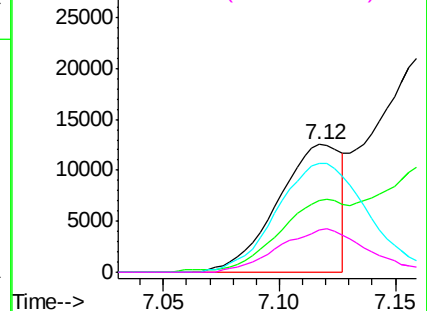
#41
Methacrylonitrile
Concen: 14.695 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 23858
Ion Ratio Lower Upper
41 100
39 57.9 53.8 80.6
67 124.7 91.1 136.7
52 48.1 36.0 54.0

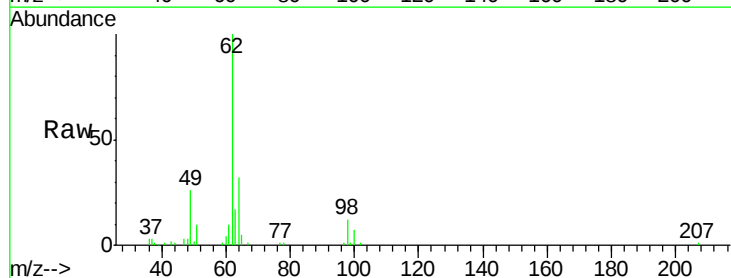


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

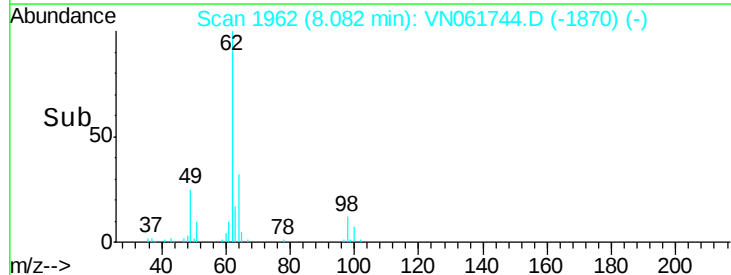
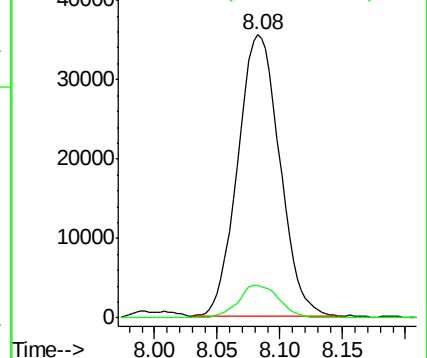


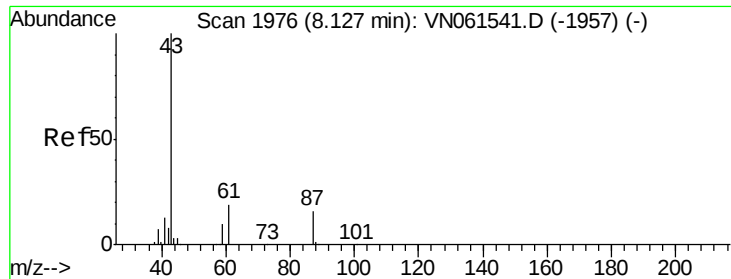
#42
1,2-Dichloroethane
Concen: 18.105 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 62 Resp: 82281
Ion Ratio Lower Upper
62 100
98 11.3 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

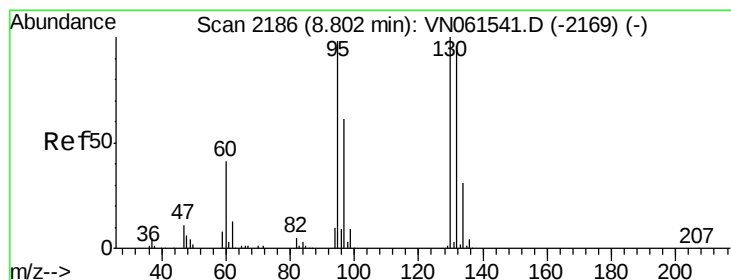
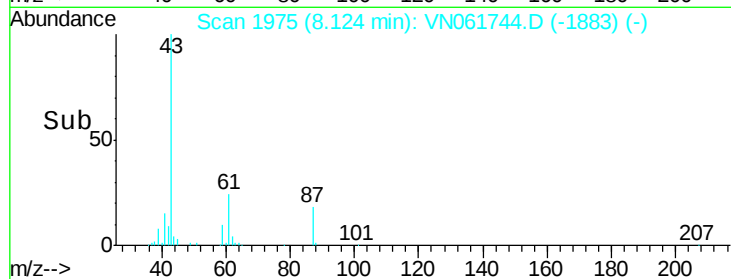
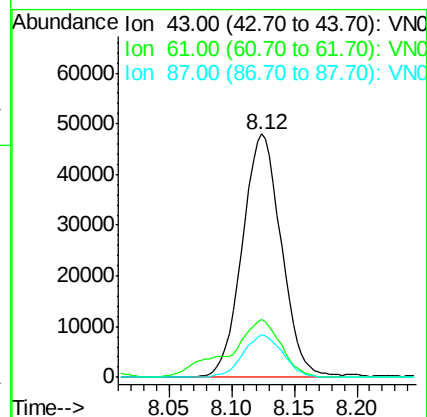
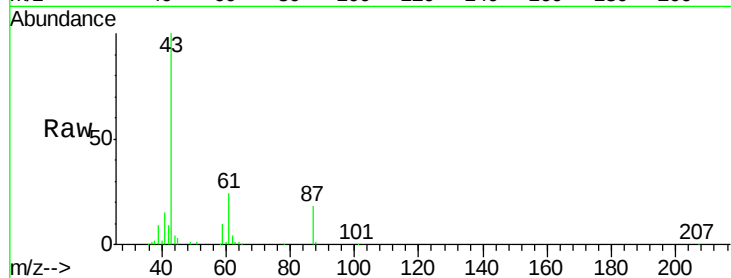




#43
Isopropyl Acetate
Concen: 16.346 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

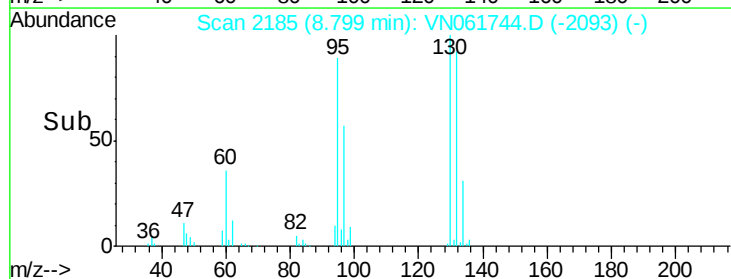
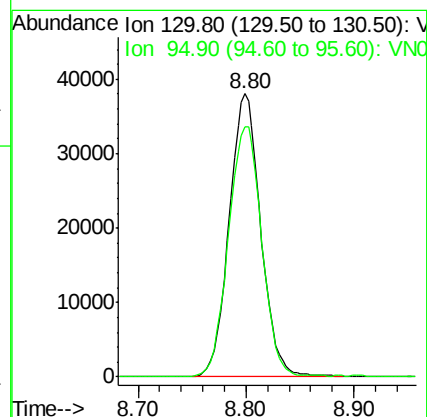
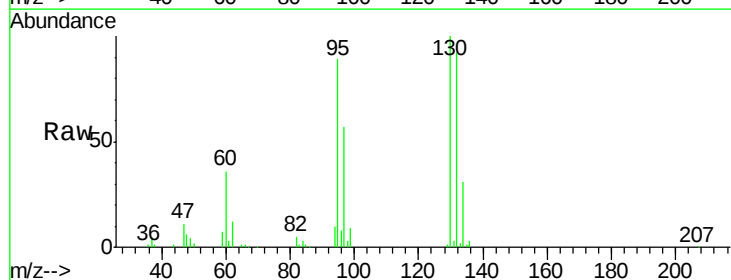
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 104210
Ion Ratio Lower Upper
43 100
61 31.5 23.6 35.4
87 17.7 13.0 19.6



#44
Trichloroethene
Concen: 18.558 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion:130 Resp: 77421
Ion Ratio Lower Upper
130 100
95 88.5 0.0 196.6





#45

1,2-Dichloropropane

Concen: 19.375 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

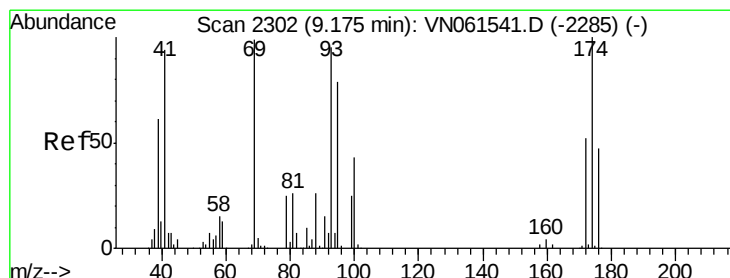
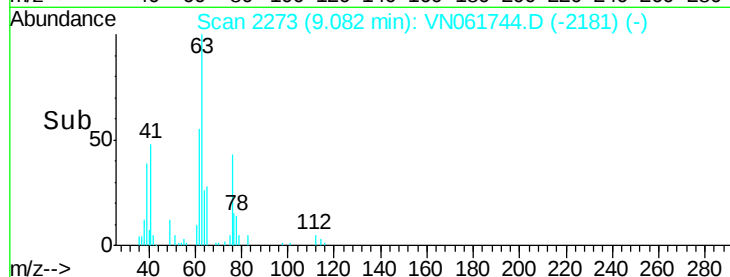
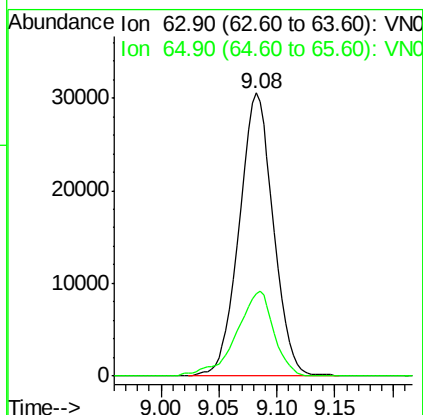
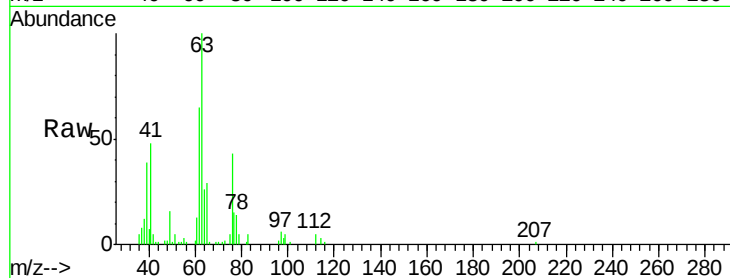
ClientSampleId :

Tot Ion: 63 Resp: 62452

Ion Ratio Lower Upper

63 100

65 29.1 24.7 37.1



#46

Dibromomethane

Concen: 19.305 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

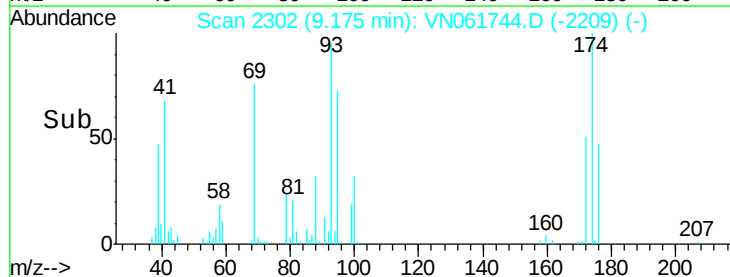
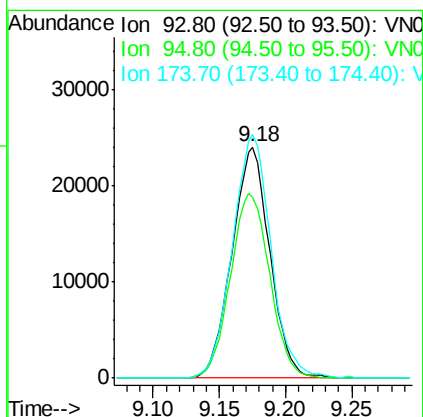
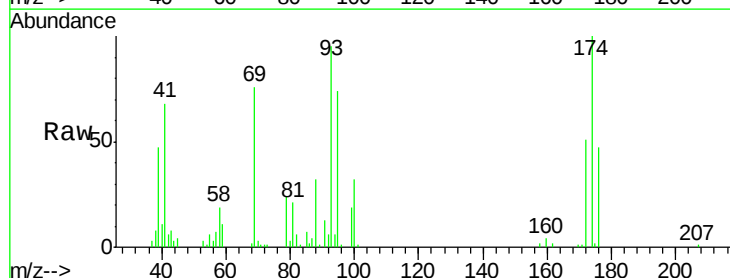
Tgt Ion: 93 Resp: 47725

Ion Ratio Lower Upper

93 100

95 82.5 66.0 99.0

174 107.0 82.5 123.7





#47

Bromodichloromethane

Concen: 19.133 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :
MSVOA_N
ClientSampled :

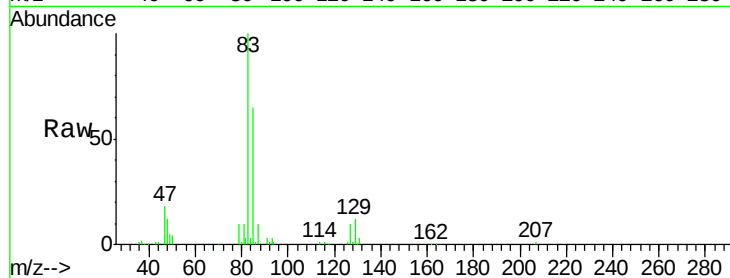
Tot Ion: 83 Resp: 93711

Ion Ratio Lower Upper

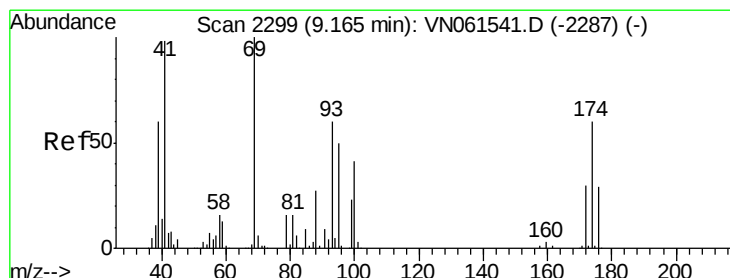
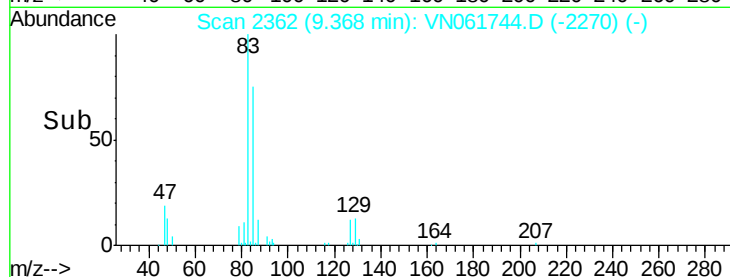
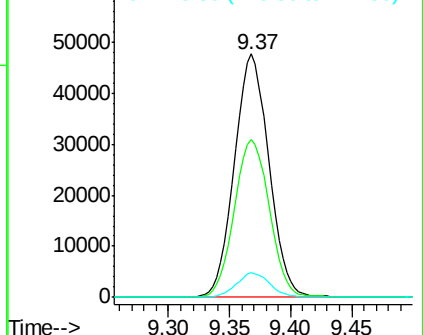
83 100

85 64.7 51.1 76.7

127 10.2 7.2 10.8



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



#48

Methyl methacrylate

Concen: 15.375 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

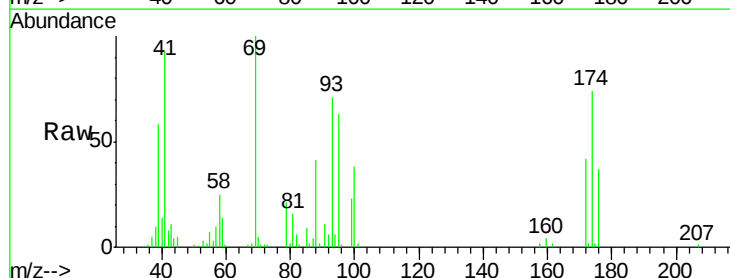
Tgt Ion: 41 Resp: 44101

Ion Ratio Lower Upper

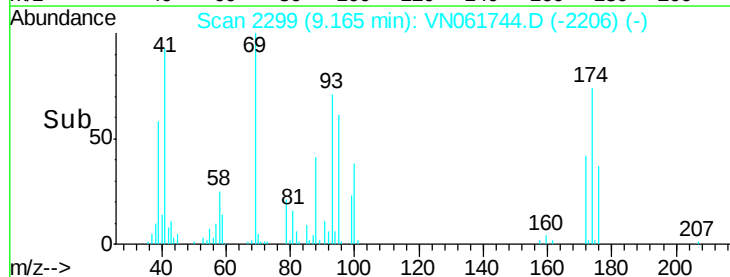
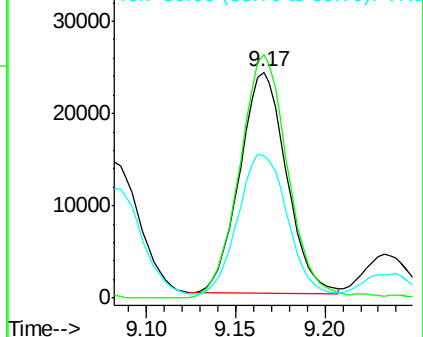
41 100

69 112.5 83.9 125.9

39 68.9 52.1 78.1



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

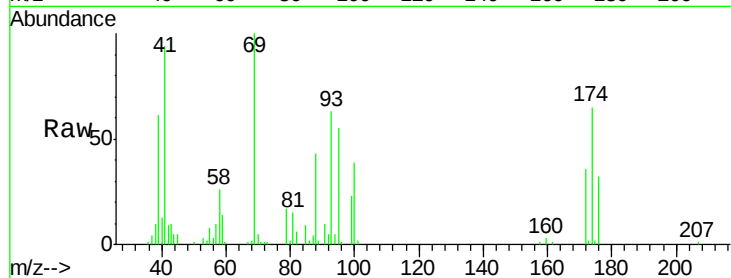




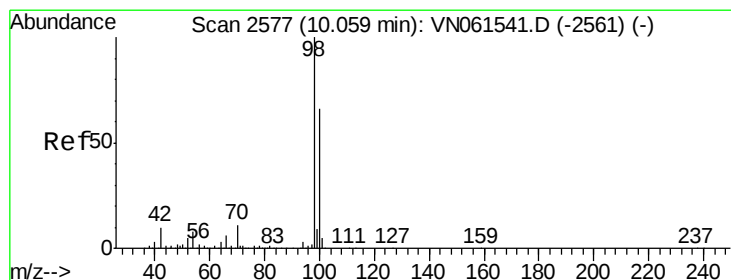
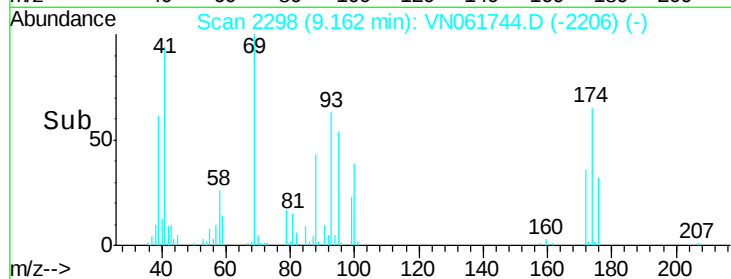
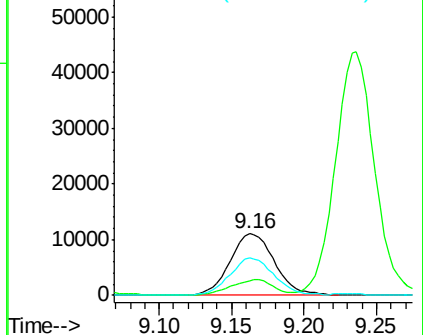
#49
 1,4-Dioxane
 Concen: 533.940 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 23726
 Ion Ratio Lower Upper
 88 100
 43 24.1 23.1 34.7
 58 60.3 48.3 72.5

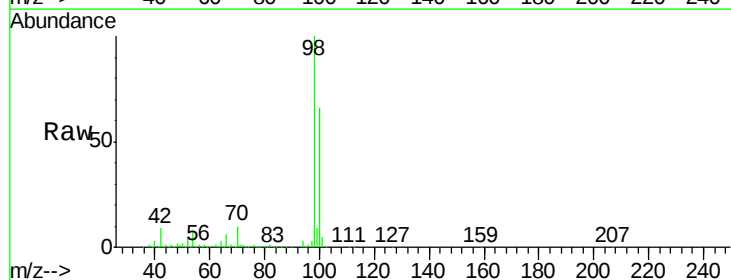


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

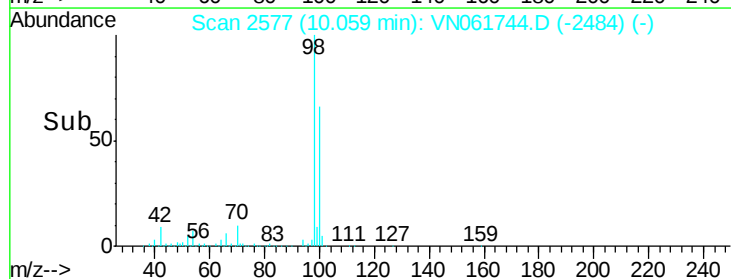
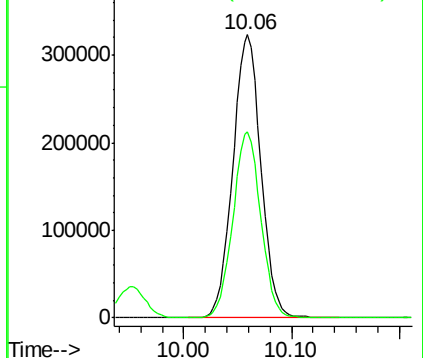


#50
 Toluene-d8
 Concen: 50.199 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion: 98 Resp: 586480
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 86.082 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

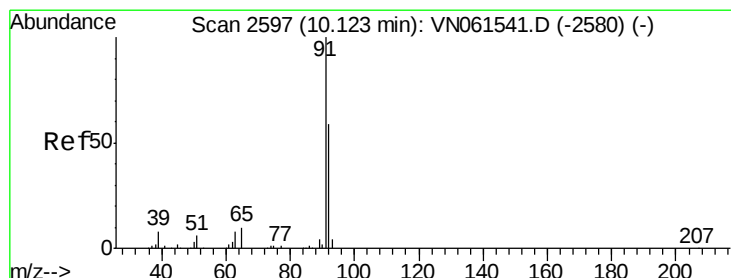
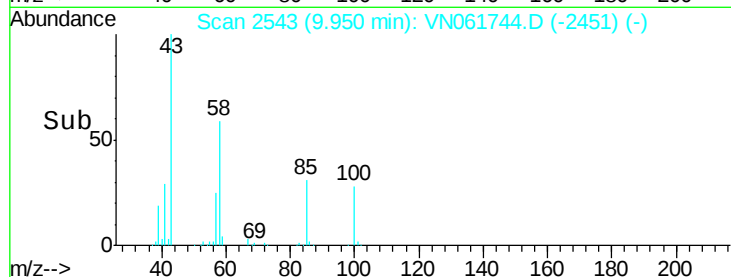
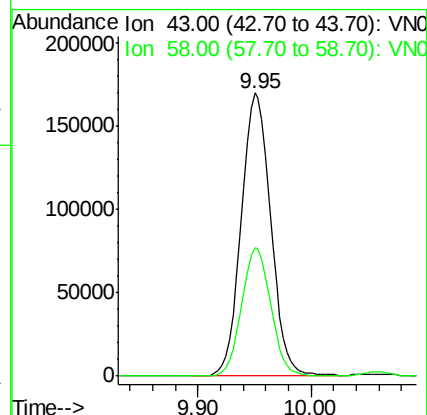
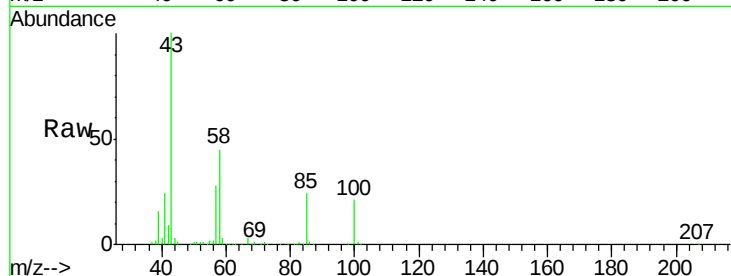
ClientSampleId :

Tot Ion: 43 Resp: 309264

Ion Ratio Lower Upper

43 100

58 44.8 35.0 52.6



#52

Toluene

Concen: 18.693 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061744.D

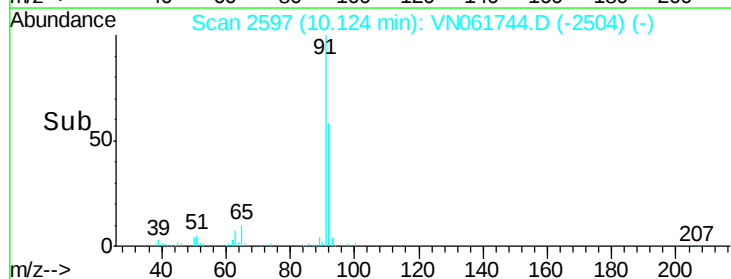
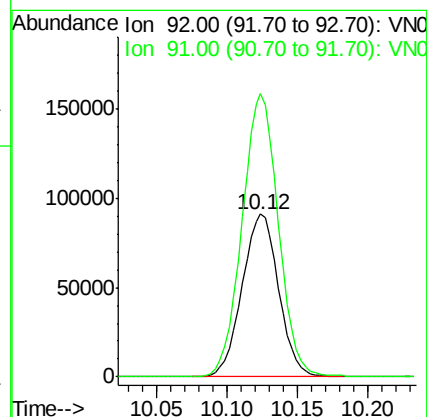
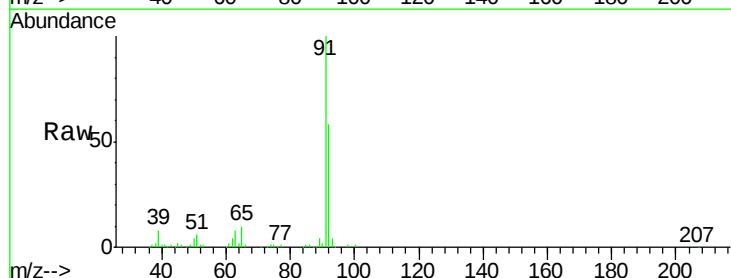
Acq: 11 Jun 2020 14:07

Tgt Ion: 92 Resp: 165624

Ion Ratio Lower Upper

92 100

91 172.2 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.461 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

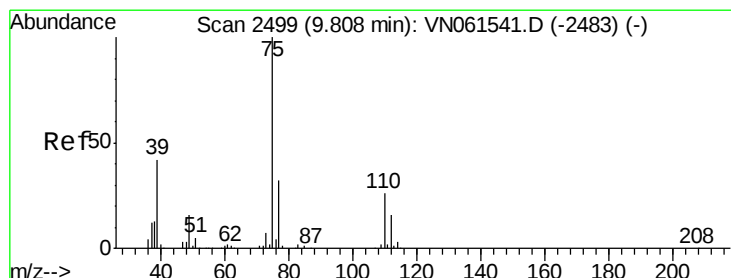
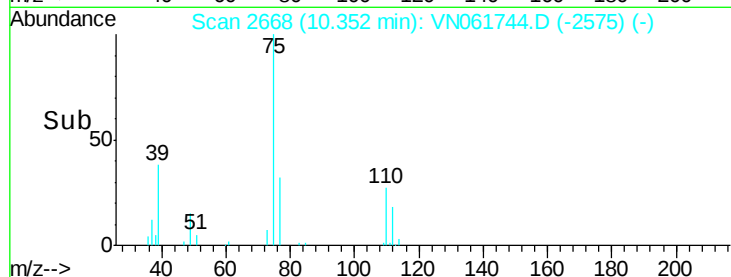
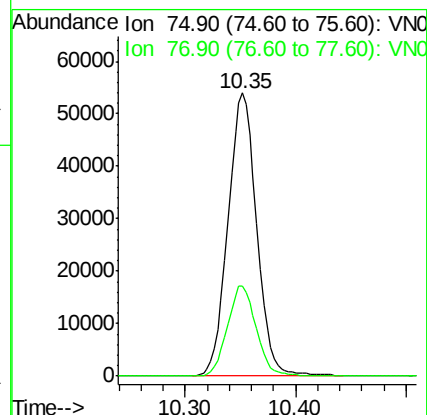
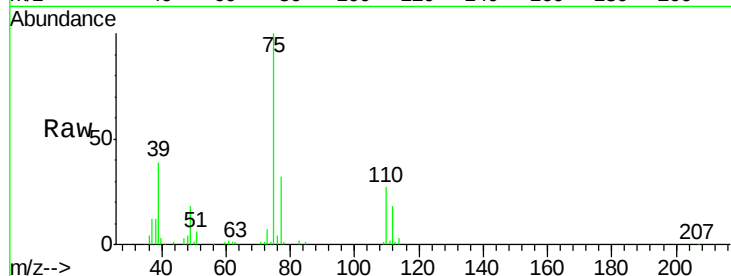
ClientSampled :

Tot Ion: 75 Resp: 97406

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 18.446 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

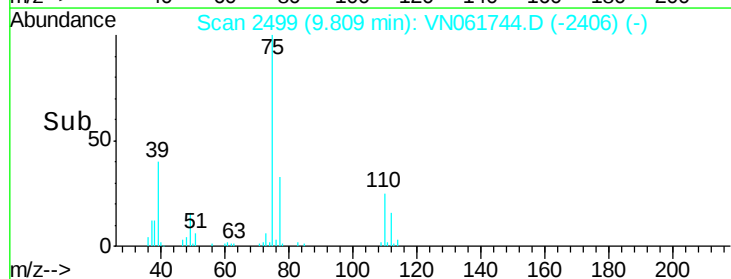
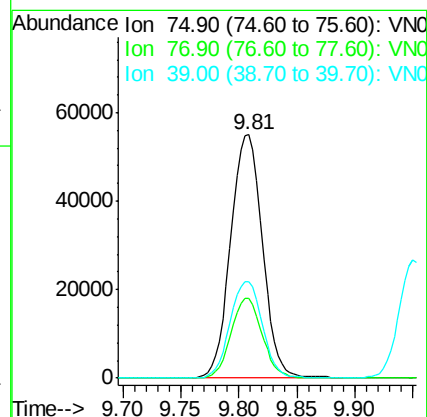
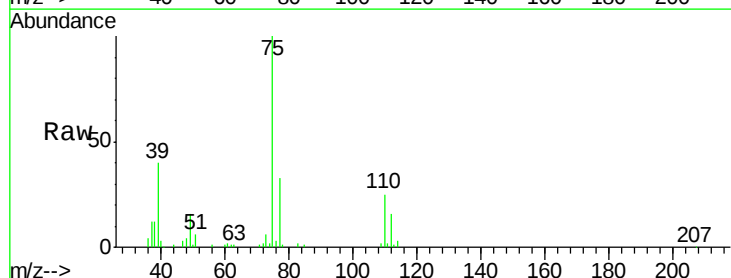
Tgt Ion: 75 Resp: 104651

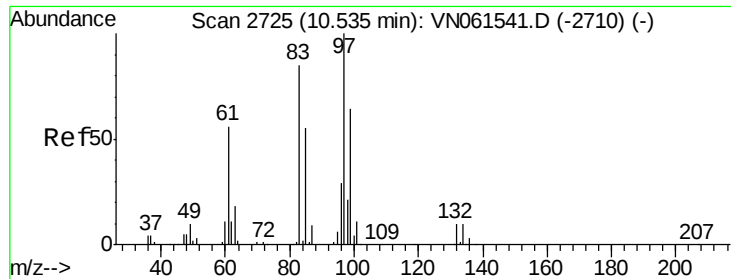
Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.2

39 39.6 33.8 50.6

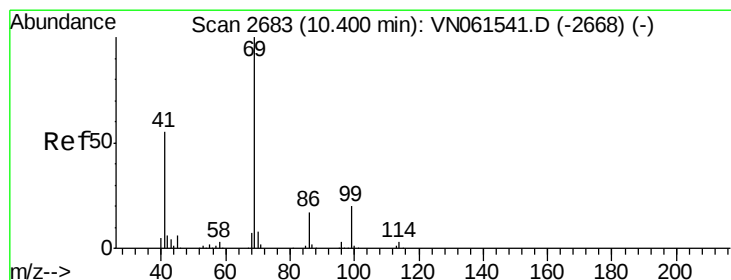
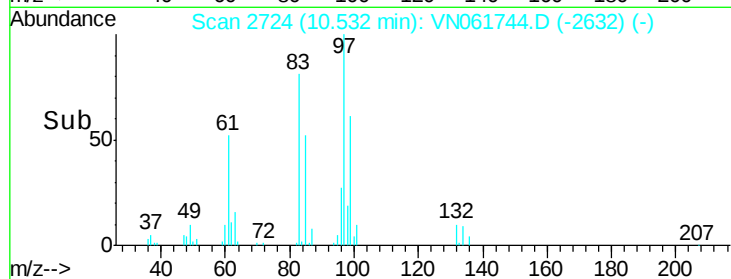
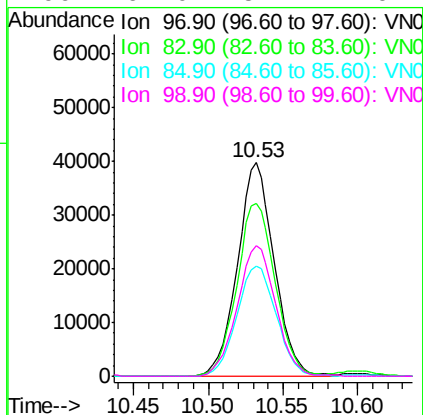
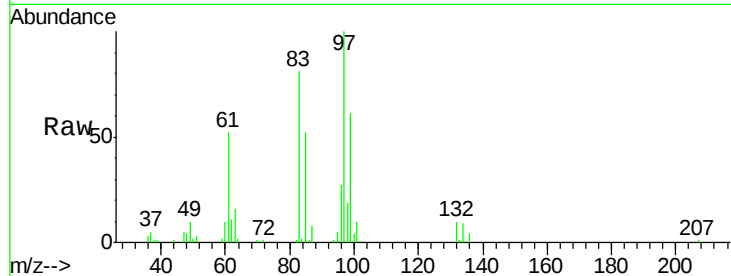




#55
 1,1,2-Trichloroethane
 Concen: 19.248 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

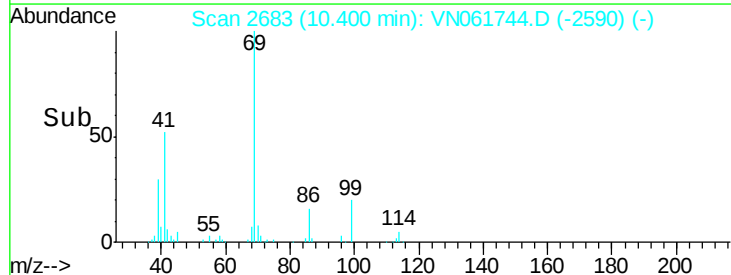
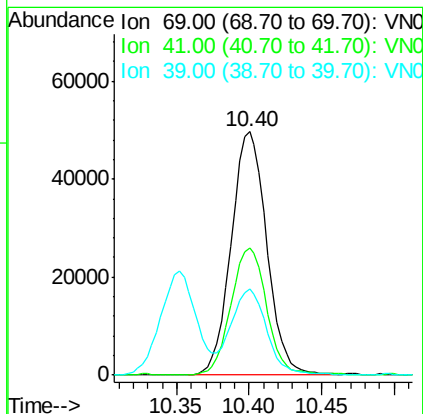
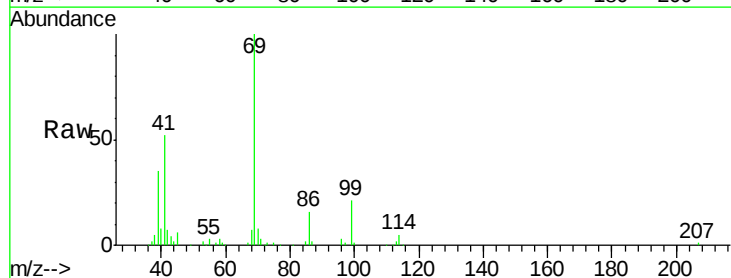
Instrument :
 MSVOA_N
 ClientSampleId :

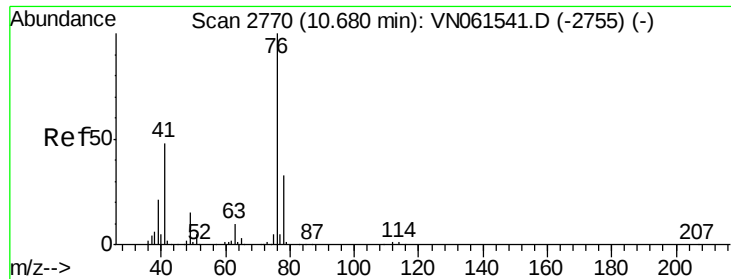
Tot Ion: 97 Resp: 67944
 Ion Ratio Lower Upper
 97 100
 83 80.8 68.1 102.1
 85 51.8 44.1 66.1
 99 61.0 51.1 76.7



#56
 Ethyl methacrylate
 Concen: 17.150 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion: 69 Resp: 84568
 Ion Ratio Lower Upper
 69 100
 41 53.0 43.5 65.3
 39 35.8 27.0 40.6





#57

1,3-Dichloropropane

Concen: 19.151 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

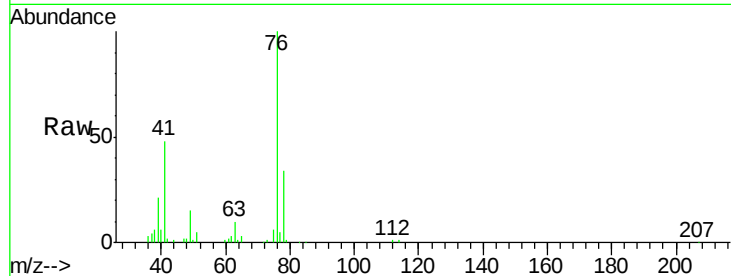
ClientSampleId :

Tot Ion: 76 Resp: 108119

Ion Ratio Lower Upper

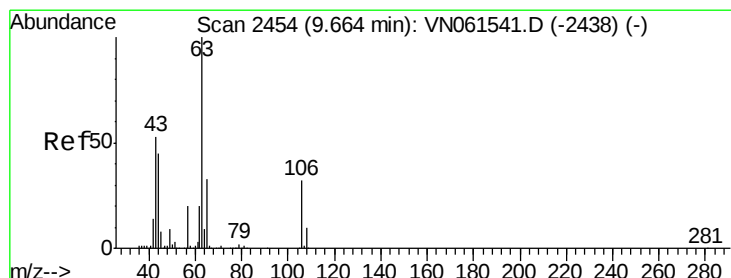
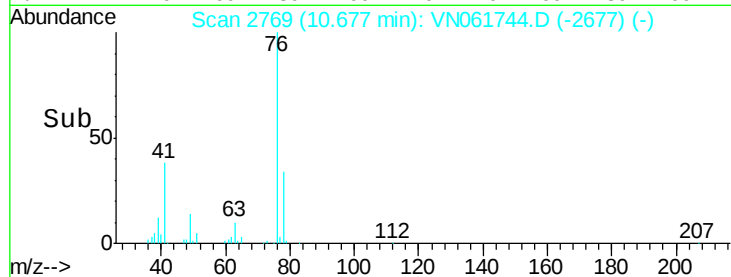
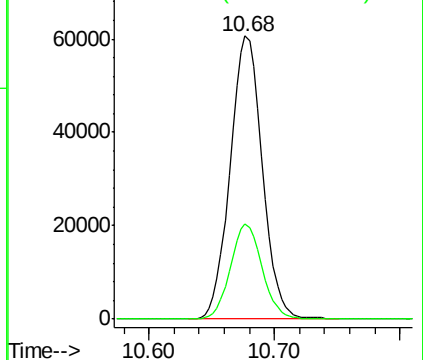
76 100

78 33.3 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 75.665 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061744.D

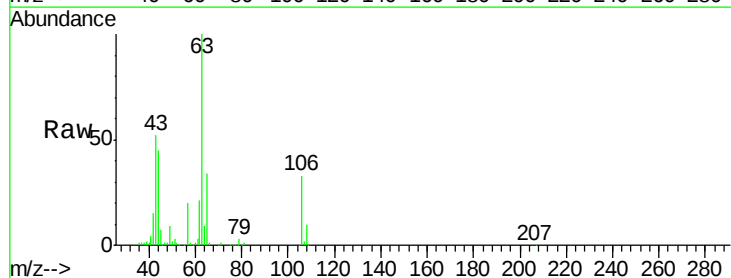
Acq: 11 Jun 2020 14:07

Tgt Ion: 63 Resp: 159442

Ion Ratio Lower Upper

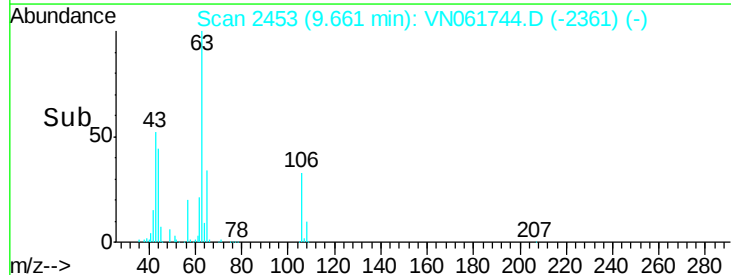
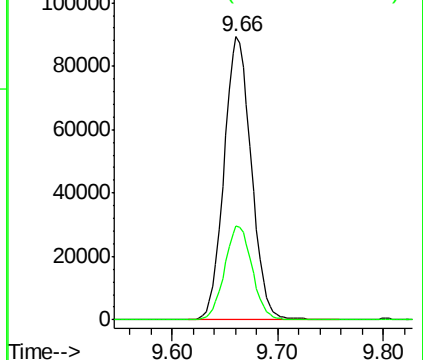
63 100

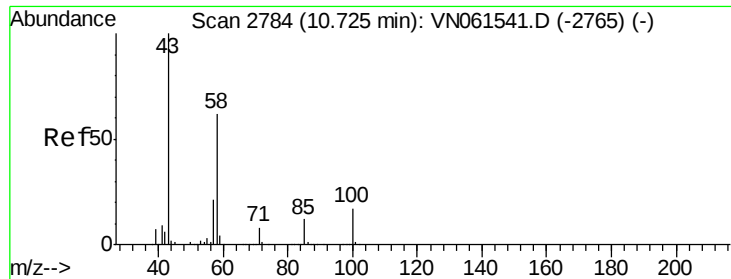
106 33.4 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

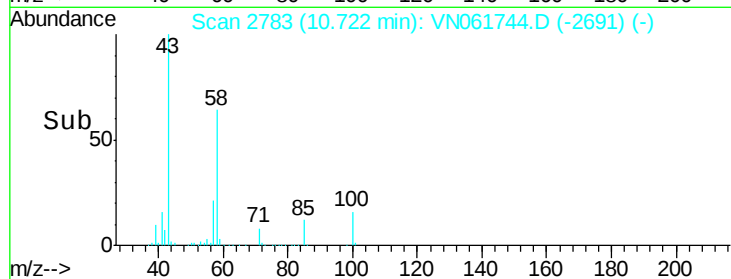
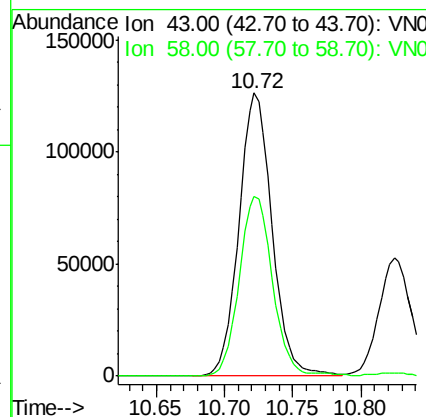
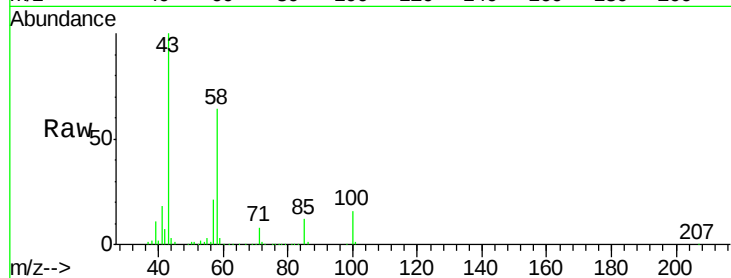




#59
2-Hexanone
Concen: 82.538 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

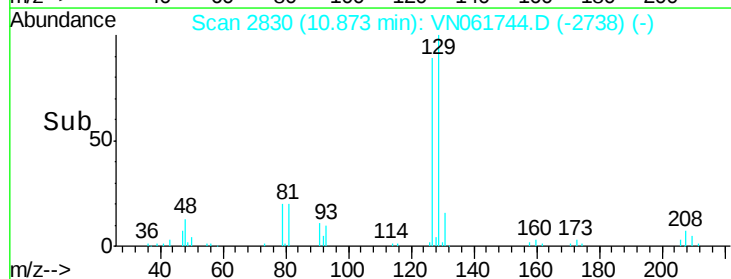
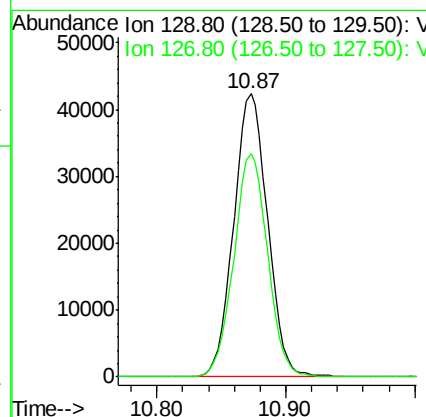
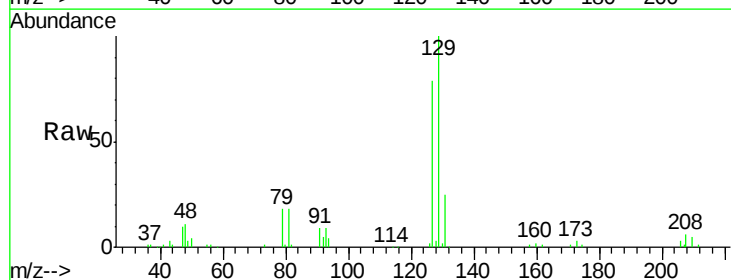
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 212961
Ion Ratio Lower Upper
43 100
58 64.1 30.7 92.1



#60
Dibromochloromethane
Concen: 19.285 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 129 Resp: 77391
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.3

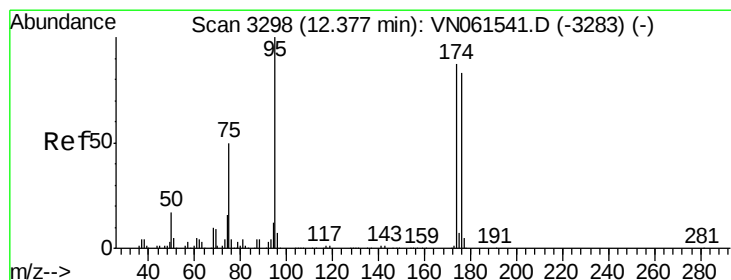
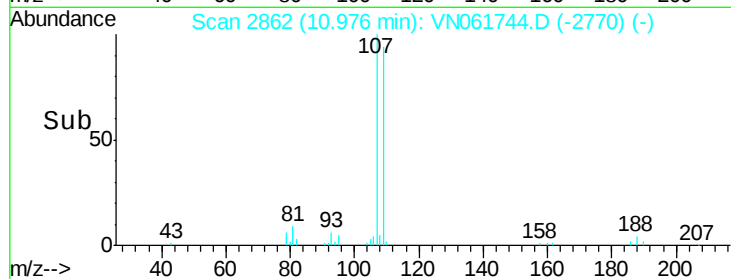
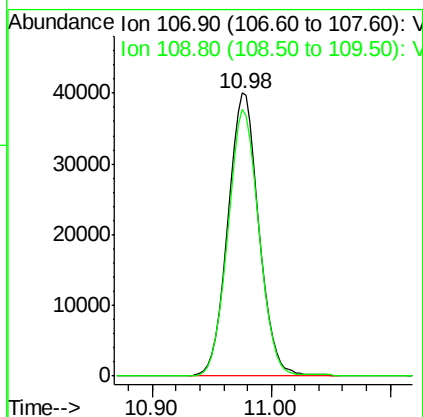
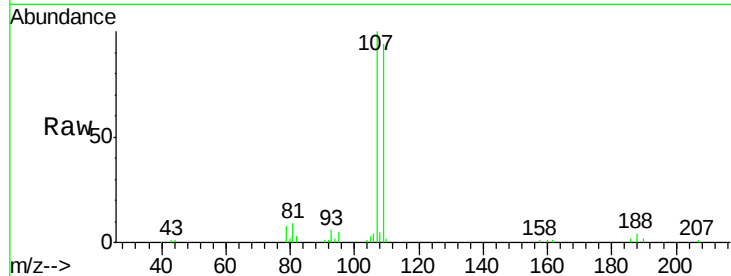




#61
 1,2-Dibromoethane
 Concen: 19.534 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

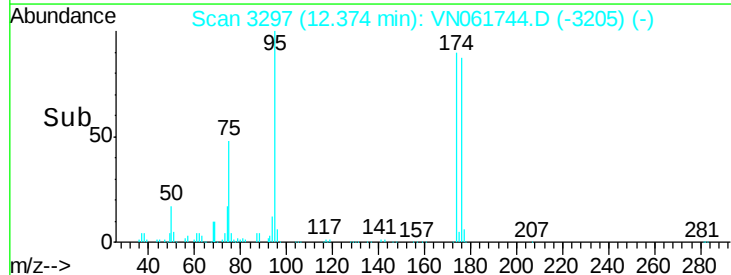
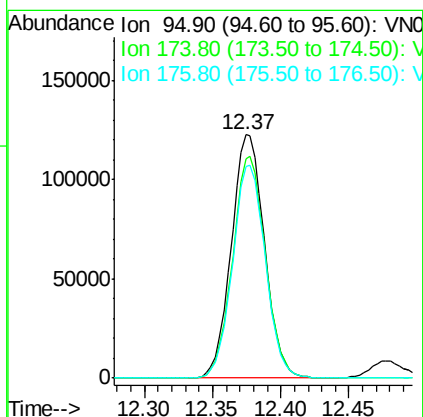
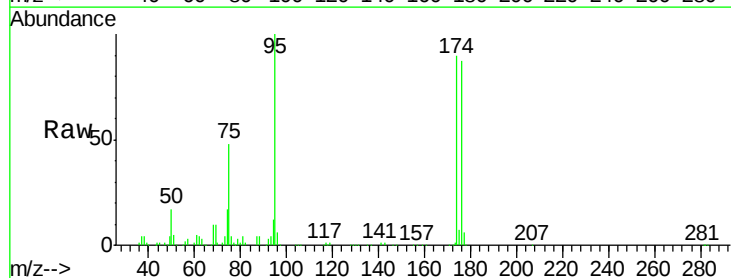
Instrument :
 MSVOA_N
 ClientSampled :

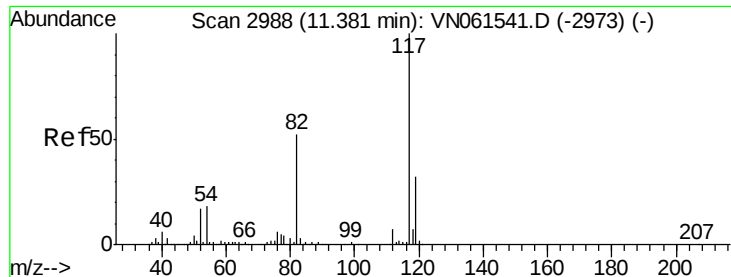
Tot Ion:107 Resp: 71916
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 48.593 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion: 95 Resp: 207124
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 172.8
 176 86.7 0.0 164.8

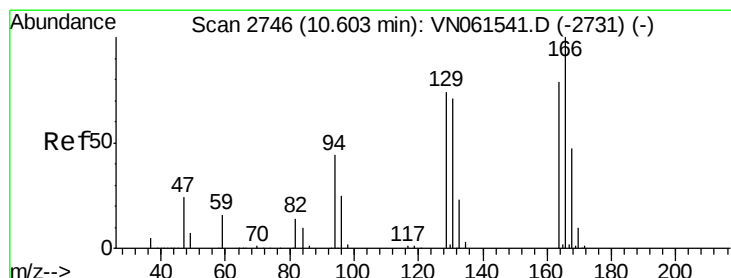
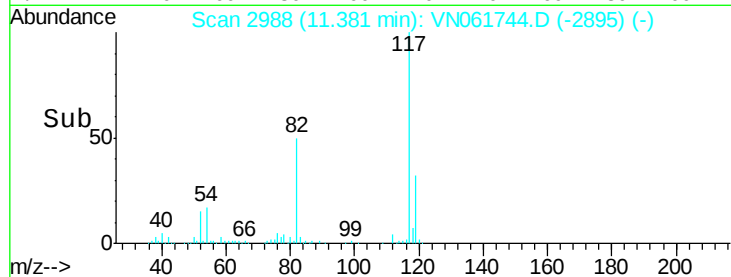
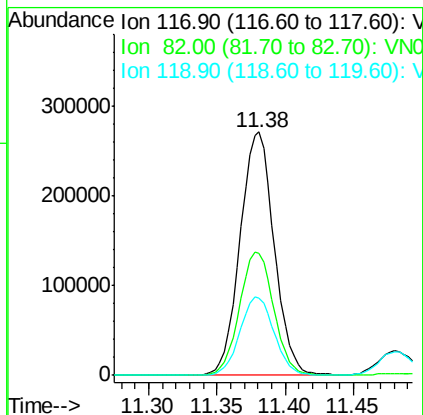
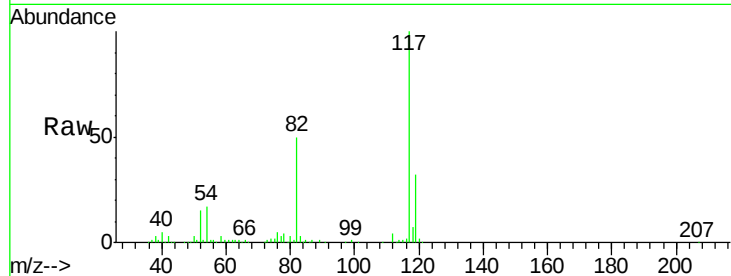




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

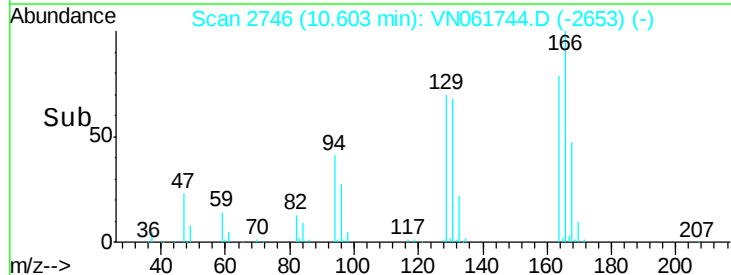
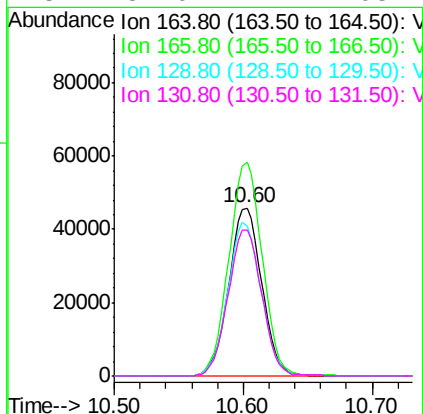
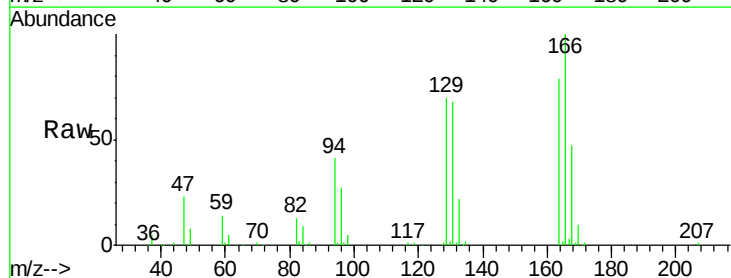
Instrument :
MSVOA_N
ClientSampleId :

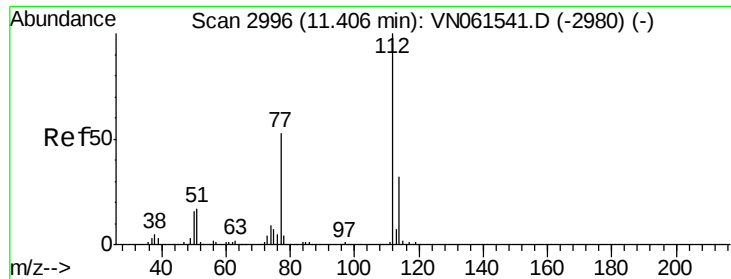
Tot Ion:117 Resp: 472178
Ion Ratio Lower Upper
117 100
82 50.4 41.5 62.3
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 18.336 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion:164 Resp: 81496
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 89.6 74.9 112.3
131 87.0 72.2 108.2





#65

Chlorobenzene

Concen: 18.781 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

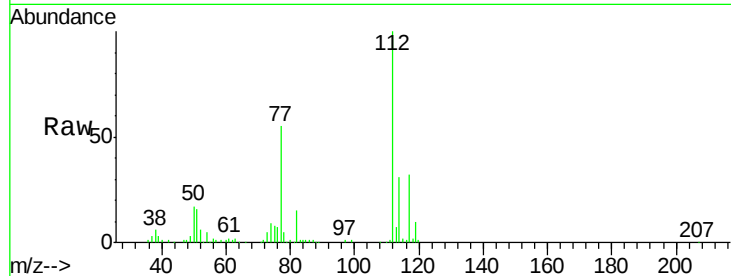
ClientSampleId :

Tot Ion:112 Resp: 184329

Ion Ratio Lower Upper

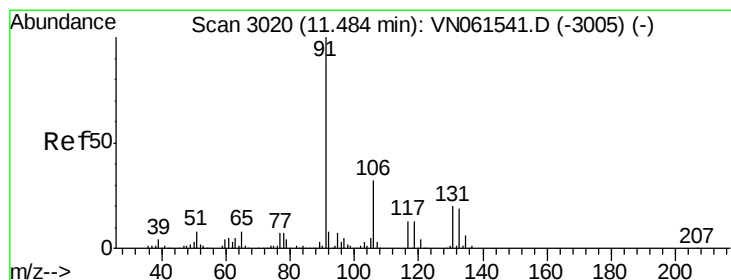
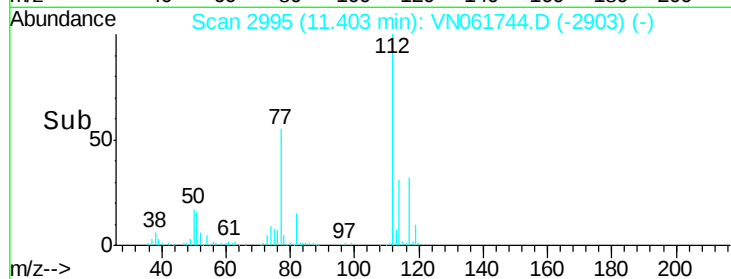
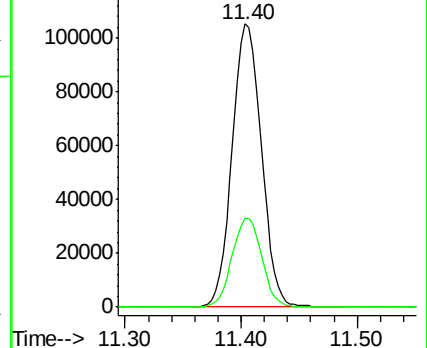
112 100

114 31.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.762 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

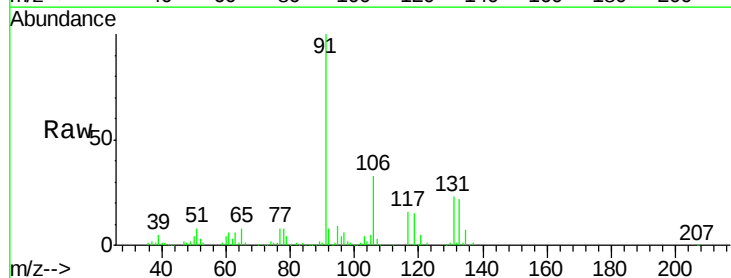
Tgt Ion:131 Resp: 72221

Ion Ratio Lower Upper

131 100

133 95.1 47.4 142.2

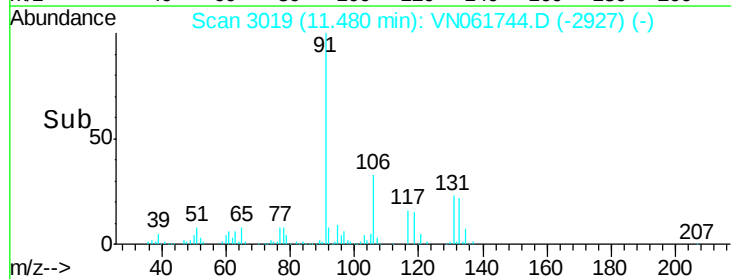
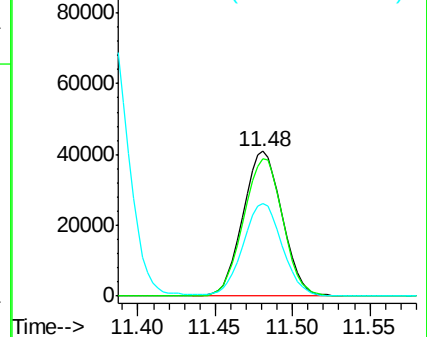
119 64.2 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

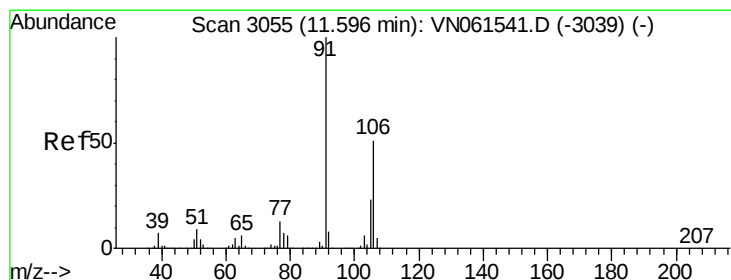
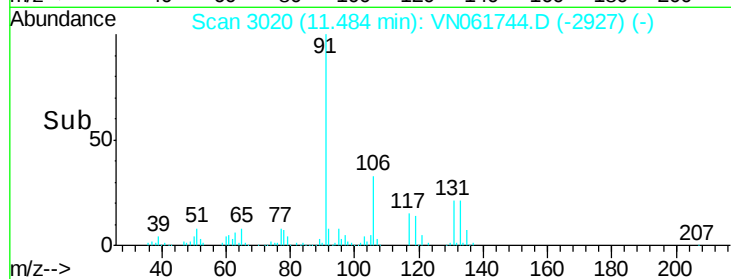
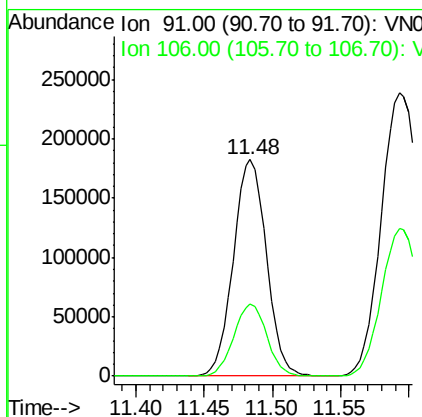
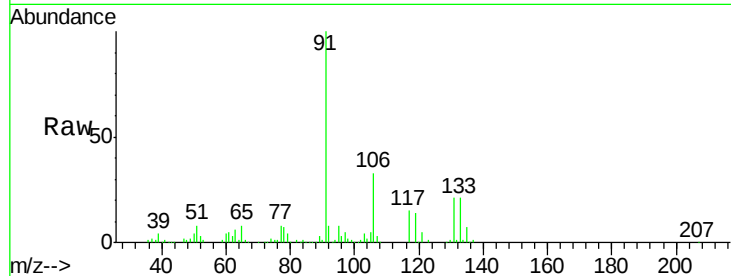




#67
Ethyl Benzene
Concen: 18.187 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

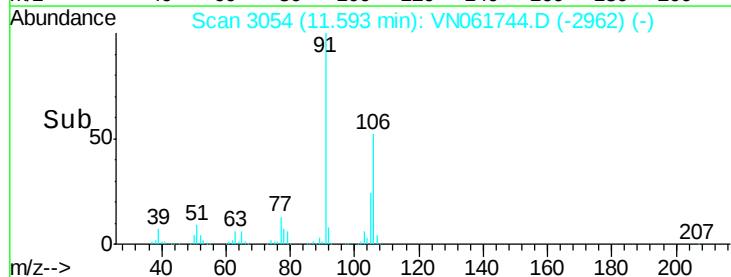
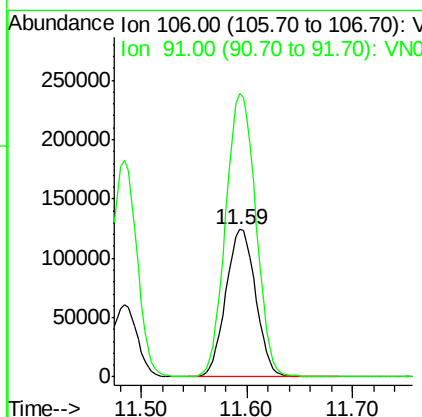
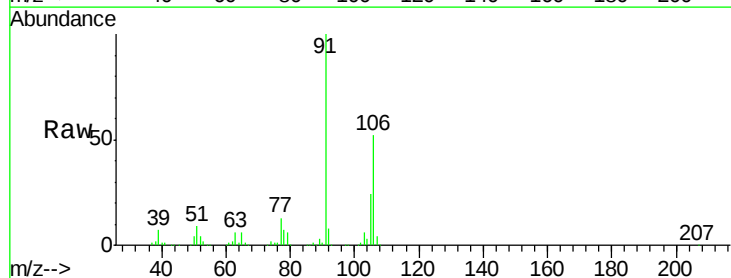
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 308519
Ion Ratio Lower Upper
91 100
106 33.1 25.6 38.4



#68
m/p-Xylenes
Concen: 36.313 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 106 Resp: 244249
Ion Ratio Lower Upper
106 100
91 192.8 156.2 234.4

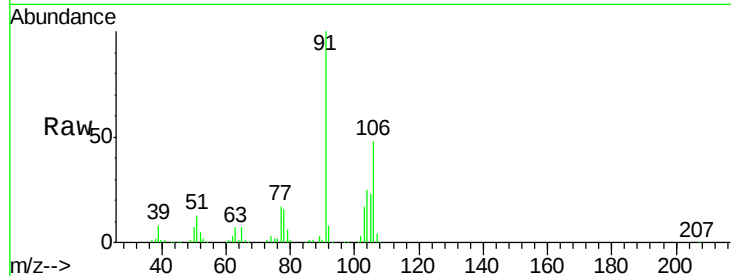




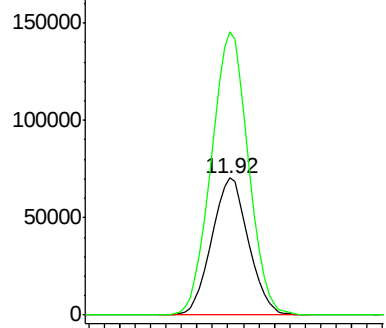
#69
o-Xylene
Concen: 18.322 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :

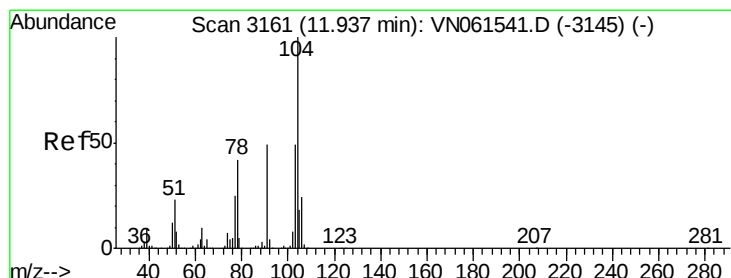
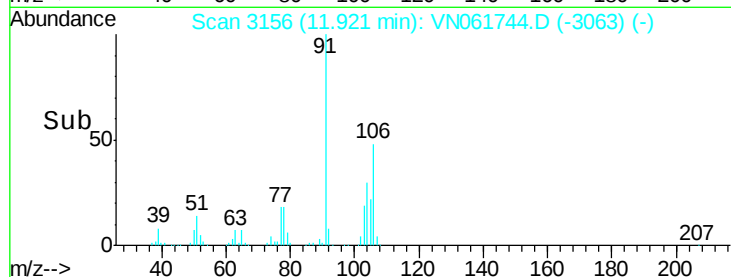
Tot Ion:106 Resp: 117051
Ion Ratio Lower Upper
106 100
91 207.5 103.3 309.8



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

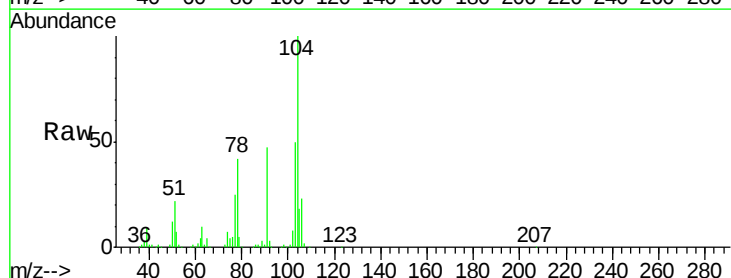


Time-->

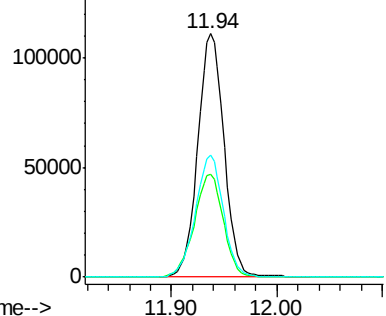


#70
Styrene
Concen: 18.069 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

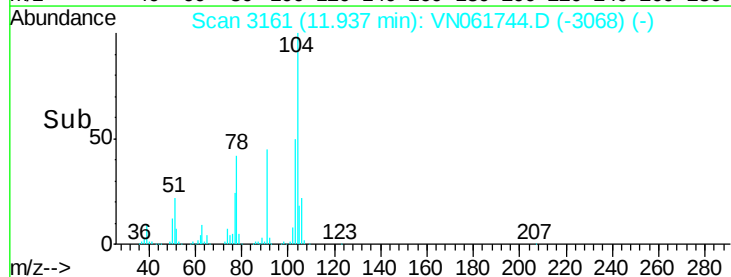
Tgt Ion:104 Resp: 191171
Ion Ratio Lower Upper
104 100
78 46.7 37.4 56.0
103 53.0 42.3 63.5

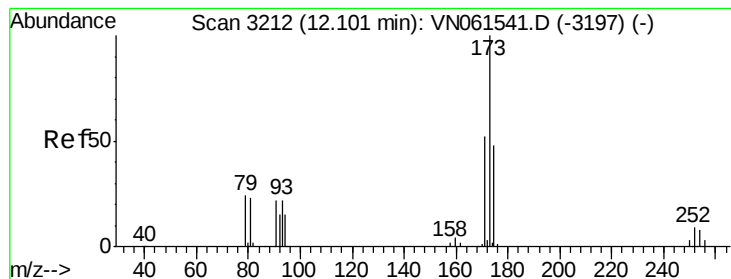


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 18.757 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

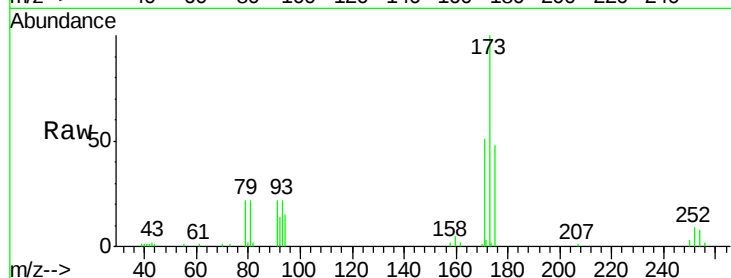
Tot Ion:173 Resp: 52822

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.2

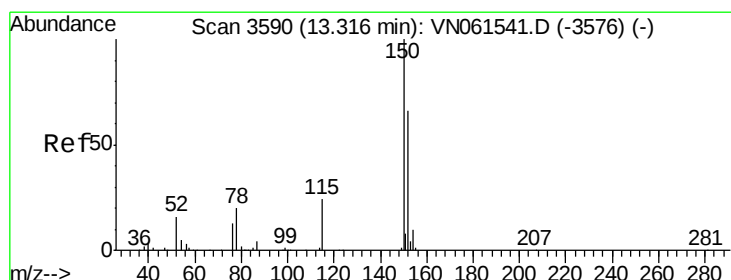
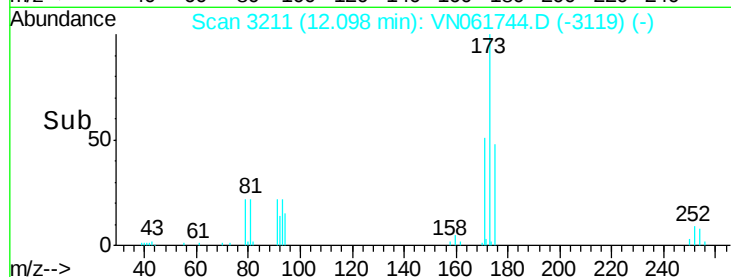
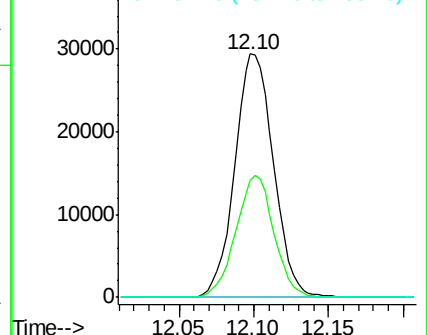
254 0.0 0.0 0.0



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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

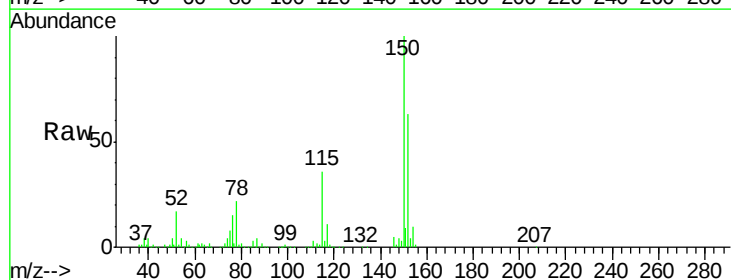
Tgt Ion:152 Resp: 233668

Ion Ratio Lower Upper

152 100

115 56.1 28.0 84.0

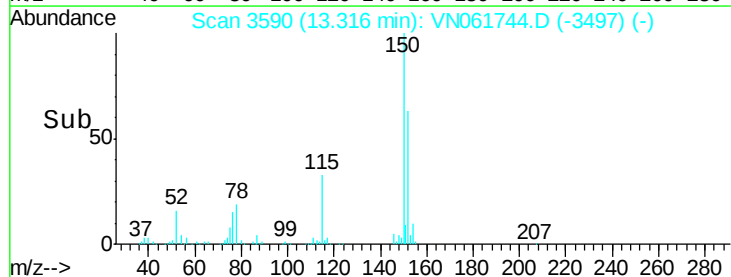
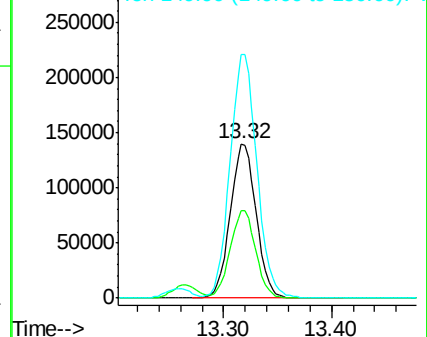
150 163.5 0.0 344.0

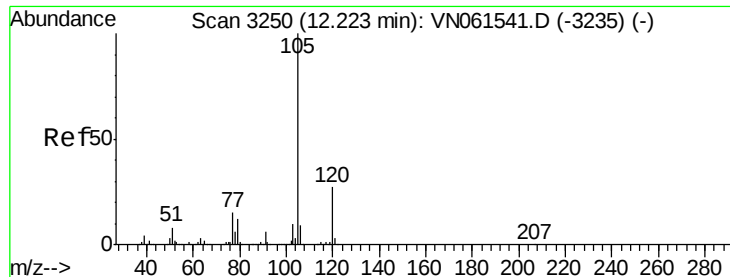


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.132 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

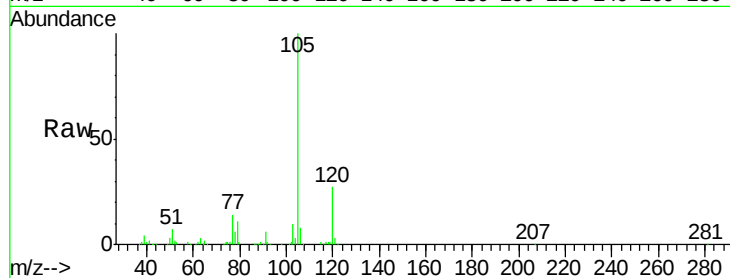
ClientSampled :

Tot Ion: 105 Resp: 309238

Ion Ratio Lower Upper

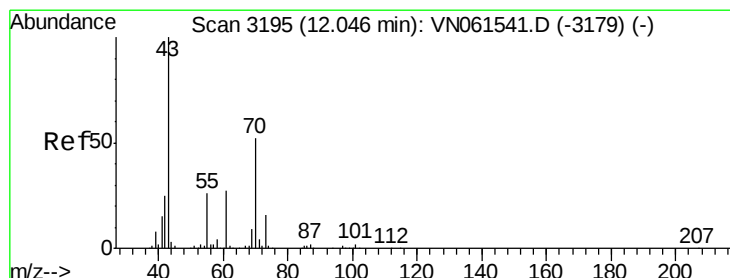
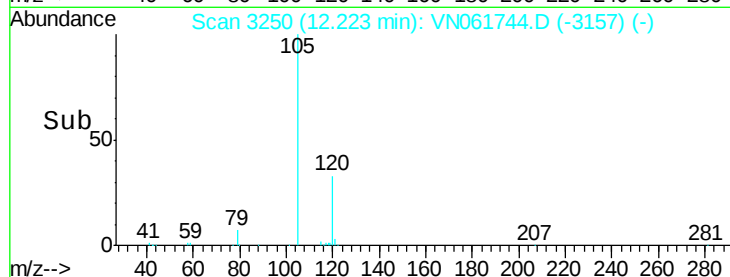
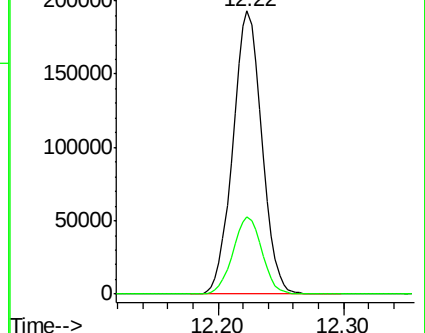
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.555 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Tgt Ion: 43 Resp: 83547

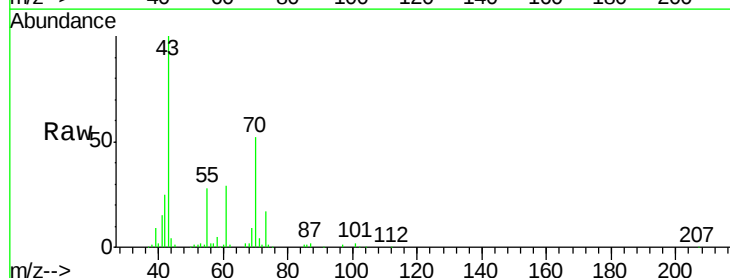
Ion Ratio Lower Upper

43 100

70 52.5 40.5 60.7

55 29.1 20.6 31.0

61 28.5 21.8 32.6

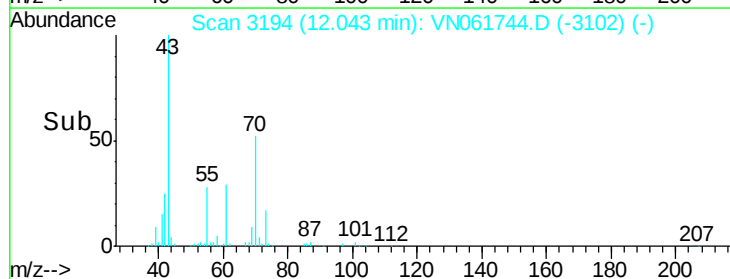
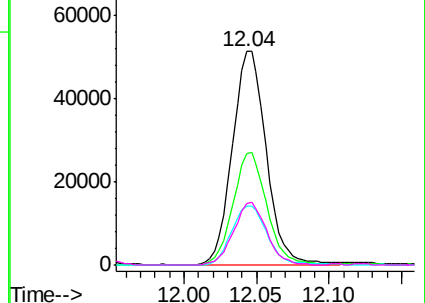


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.387 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

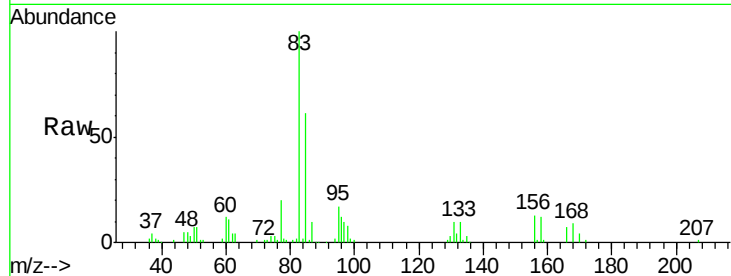
Tot Ion: 83 Resp: 87877

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.5

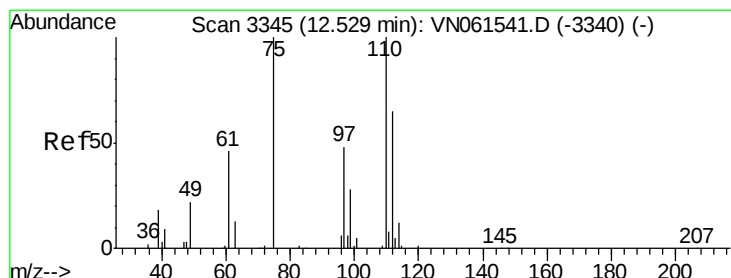
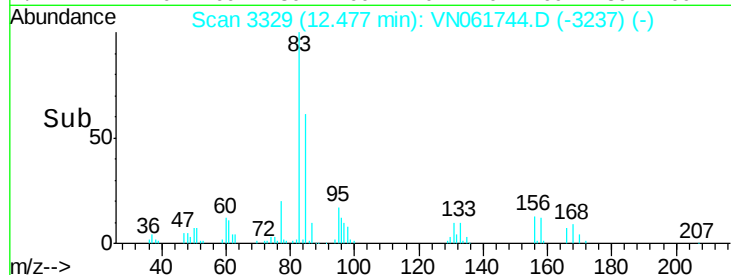
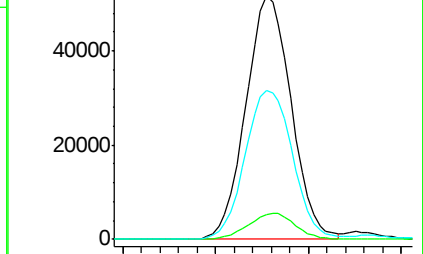
85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061744.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061744.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061744.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 25.906 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061744.D

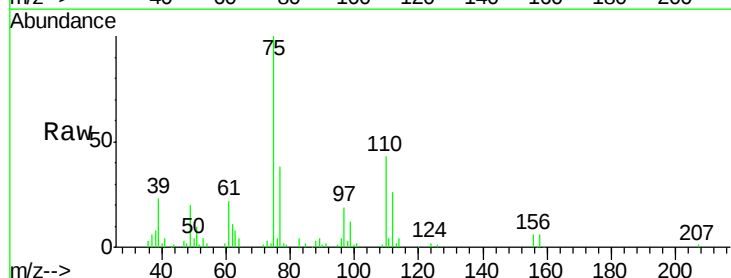
Acq: 11 Jun 2020 14:07

Tgt Ion: 75 Resp: 110073

Ion Ratio Lower Upper

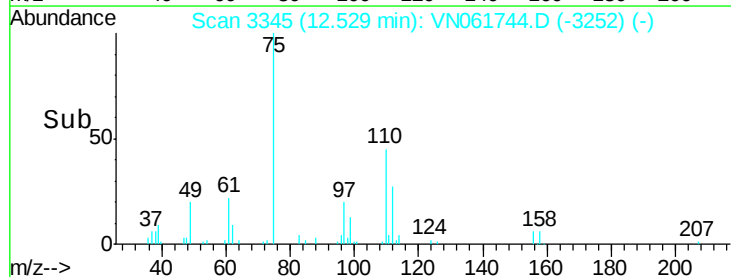
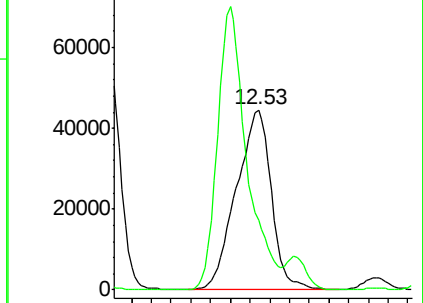
75 100

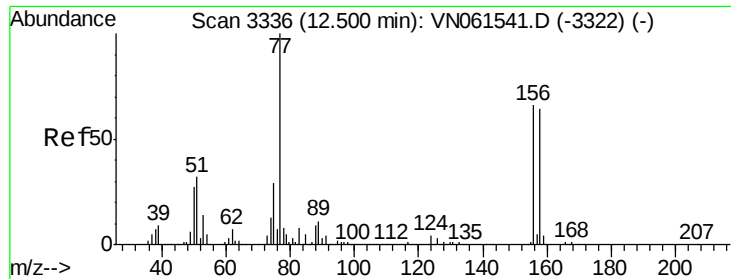
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061744.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061744.D (-3252) (-)

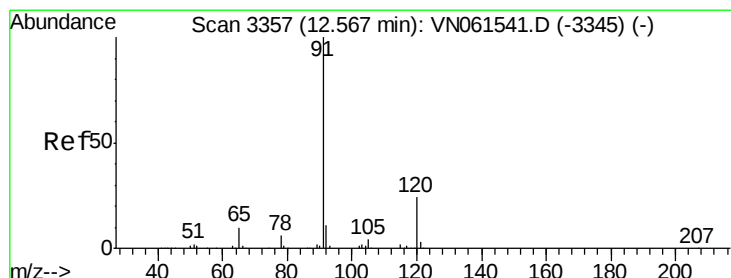
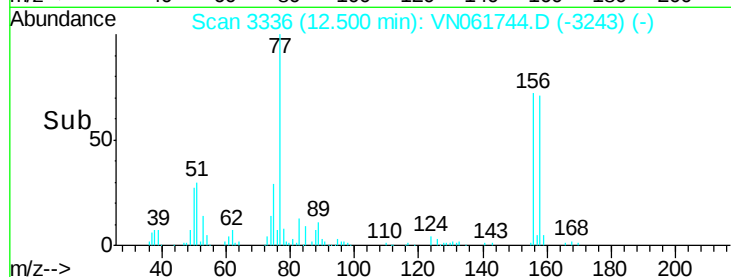
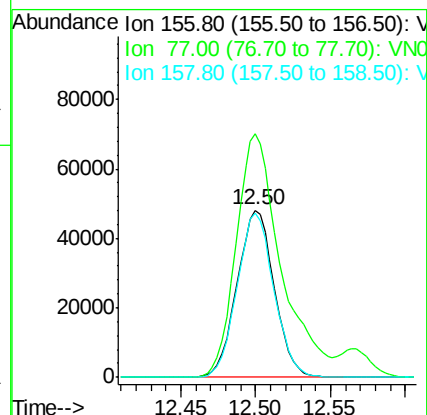
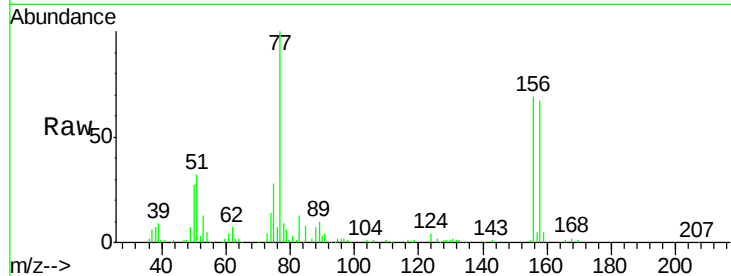




#77
Bromobenzene
Concen: 19.094 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

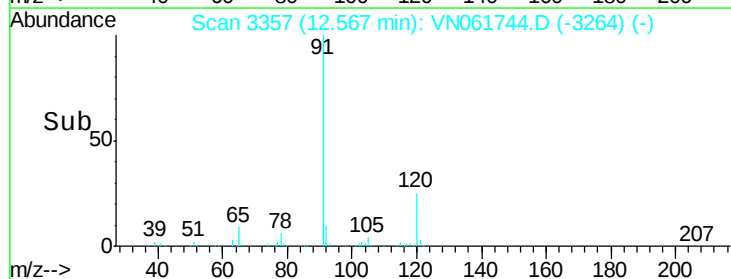
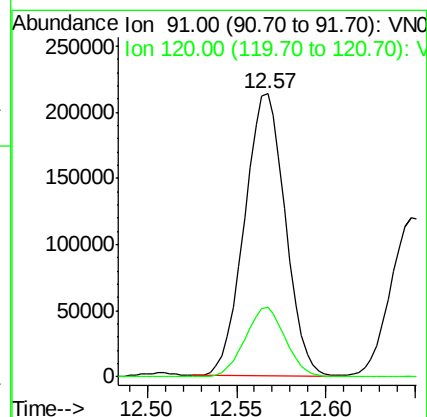
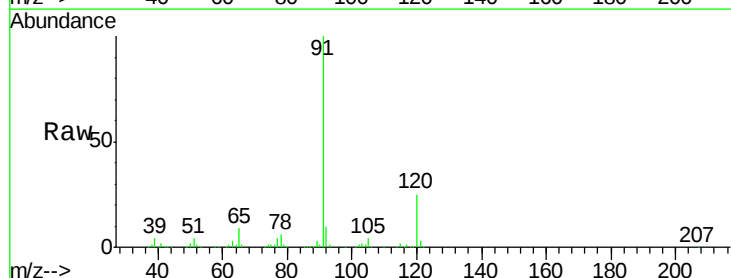
Instrument :
MSVOA_N
ClientSampled :

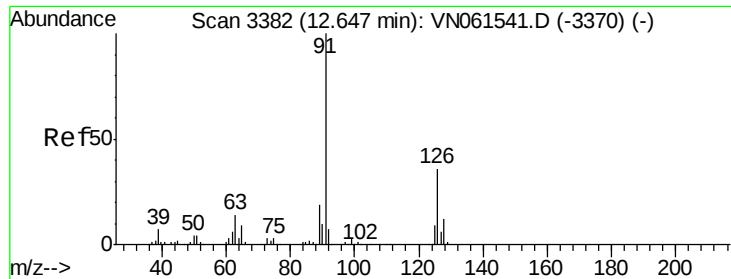
Tot Ion:156 Resp: 83121
Ion Ratio Lower Upper
156 100
77 175.5 90.9 272.7
158 97.3 48.4 145.3



#78
n-propylbenzene
Concen: 17.945 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061744.D
Acq: 11 Jun 2020 14:07

Tgt Ion: 91 Resp: 341659
Ion Ratio Lower Upper
91 100
120 24.3 12.3 36.9





#79

2-Chlorotoluene

Concen: 17.797 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

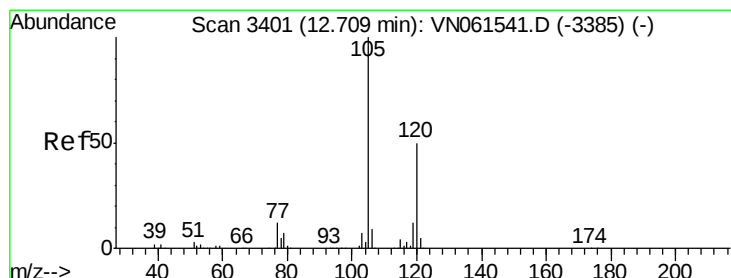
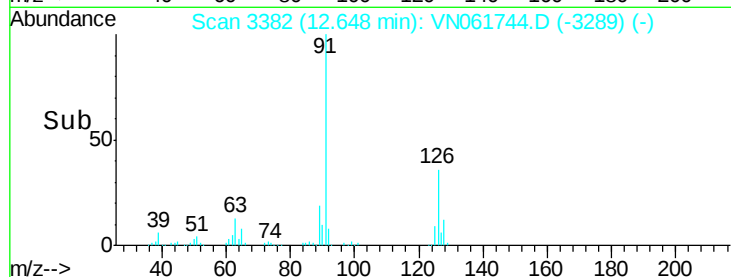
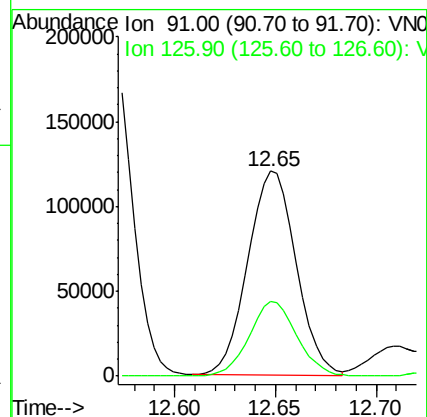
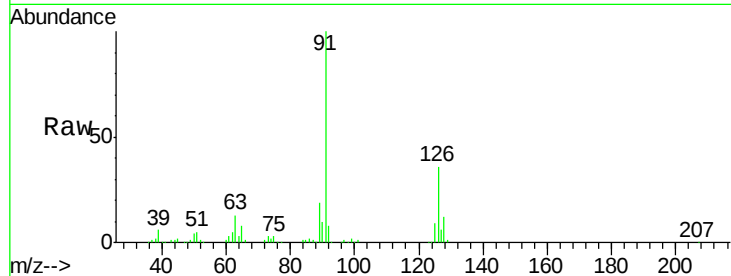
ClientSampled :

Tot Ion: 91 Resp: 202052

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 18.052 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061744.D

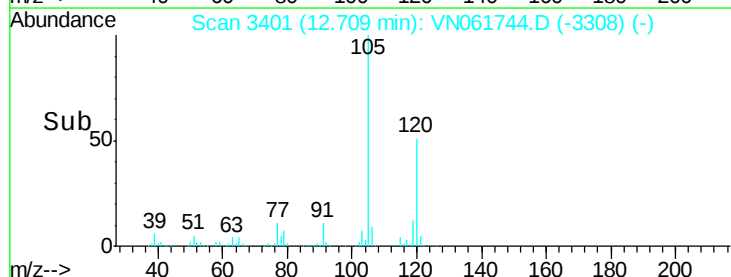
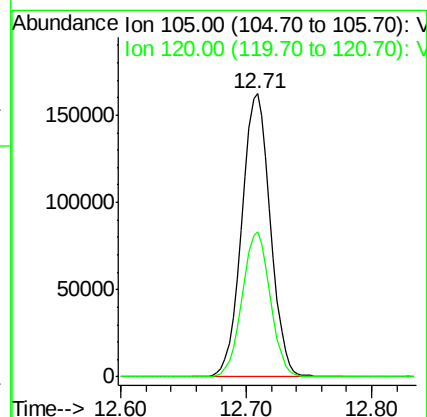
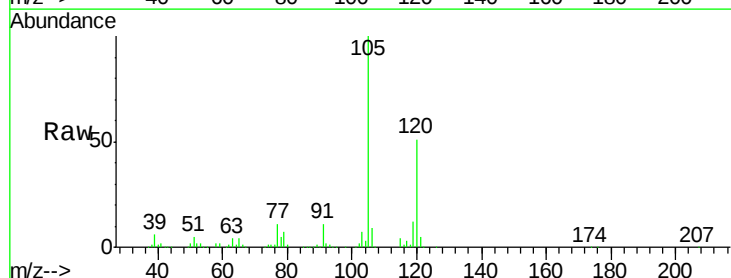
Acq: 11 Jun 2020 14:07

Tgt Ion: 105 Resp: 257330

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.744 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

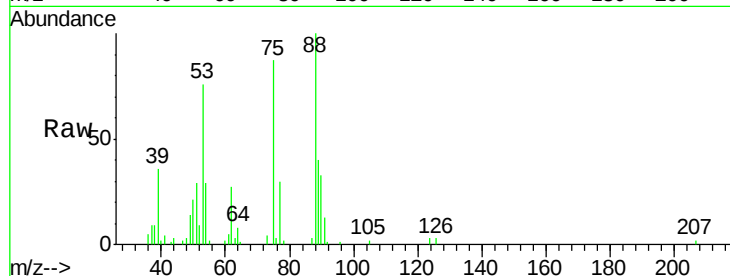
Tot Ion: 75 Resp: 26160

Ion Ratio Lower Upper

75 100

53 89.4 67.8 101.8

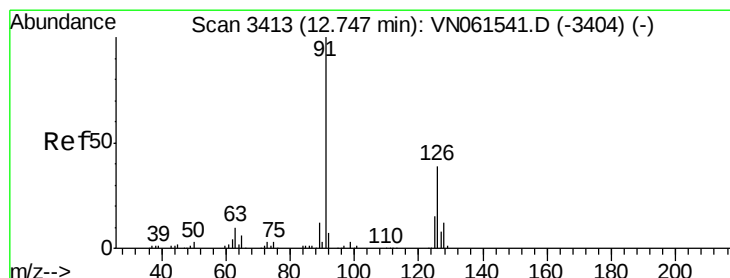
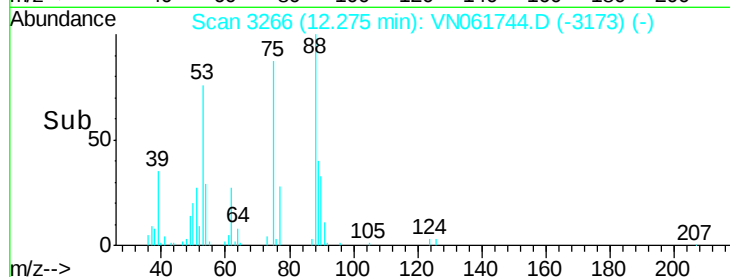
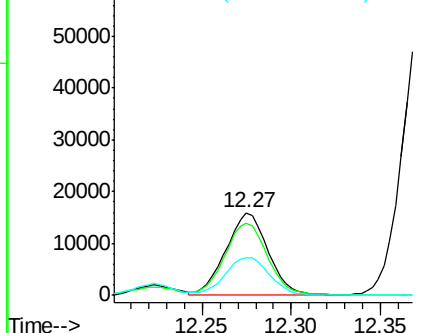
89 48.3 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.615 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061744.D

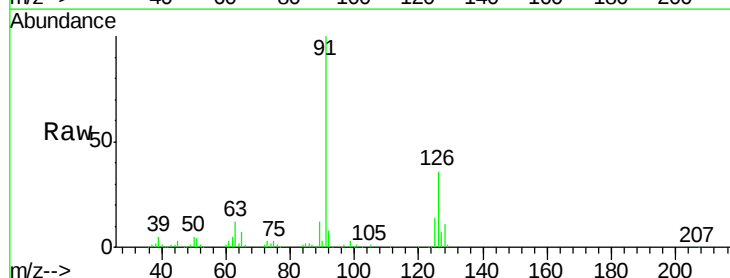
Acq: 11 Jun 2020 14:07

Tgt Ion: 91 Resp: 210383

Ion Ratio Lower Upper

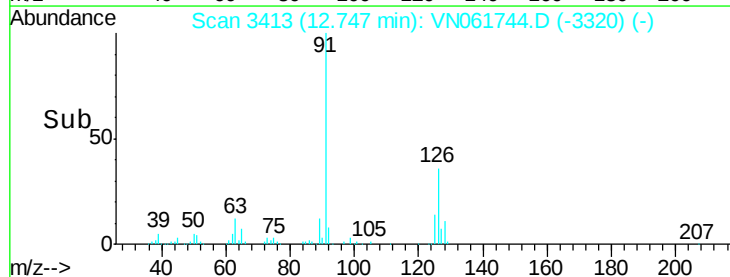
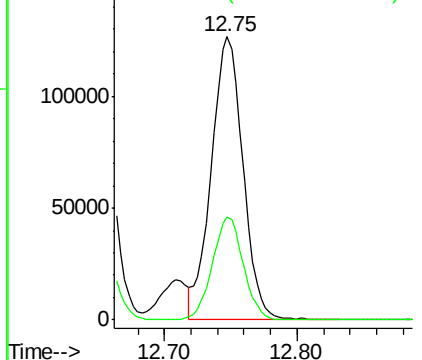
91 100

126 35.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

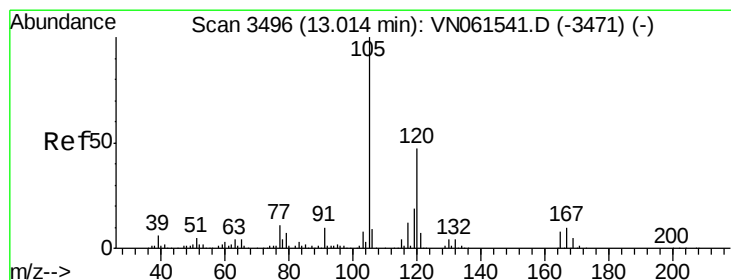
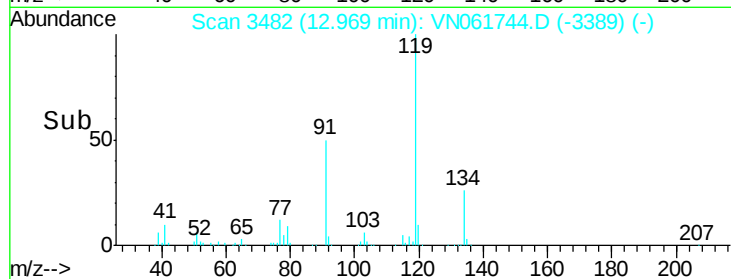
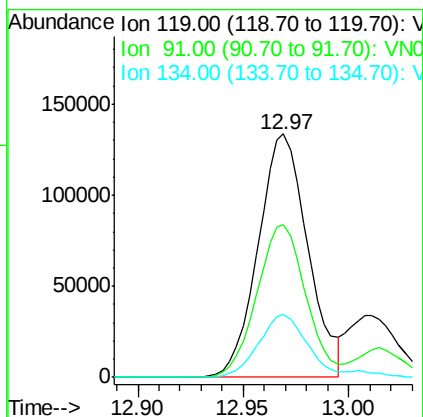
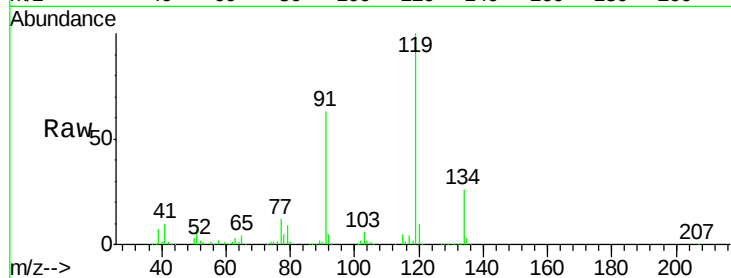




#83
 tert-Butylbenzene
 Concen: 17.373 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

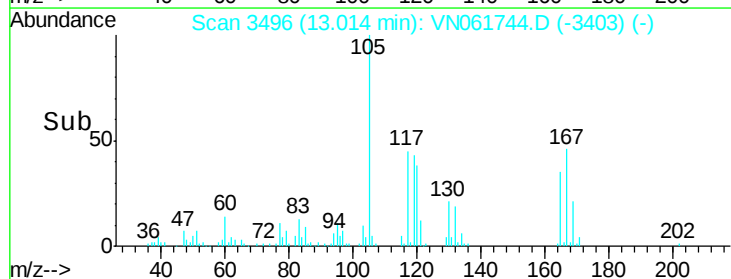
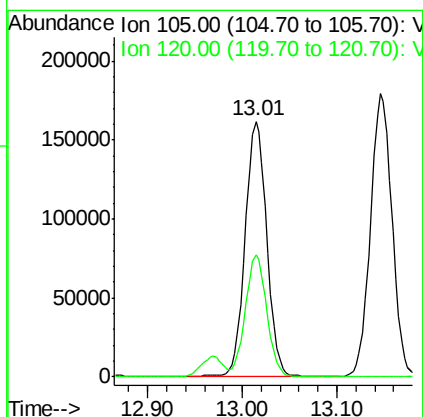
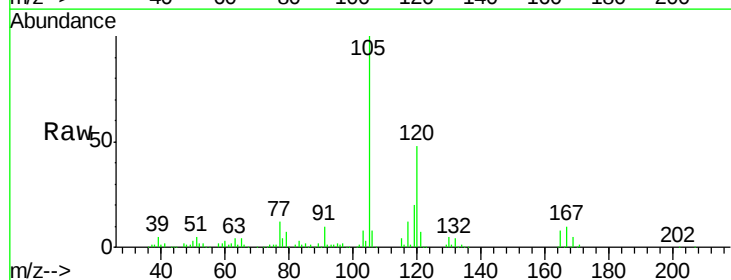
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 218805
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.3 93.8
 134 25.2 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 18.176 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion:105 Resp: 257384
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.2 69.5





#85

sec-Butylbenzene

Concen: 17.391 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

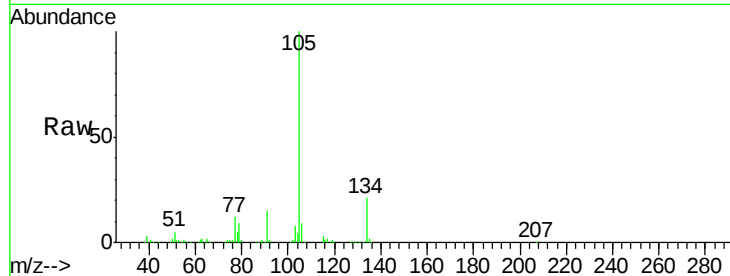
ClientSampled :

Tot Ion:105 Resp: 282249

Ion Ratio Lower Upper

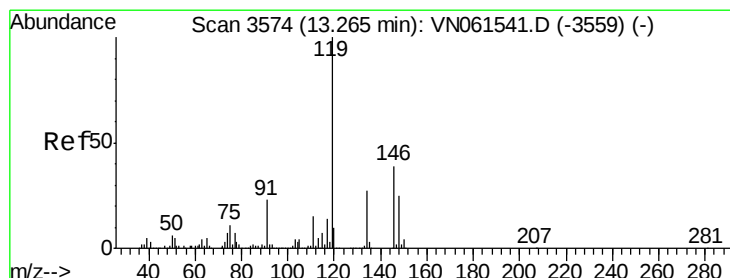
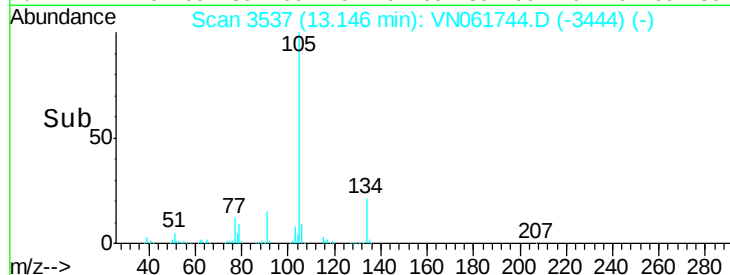
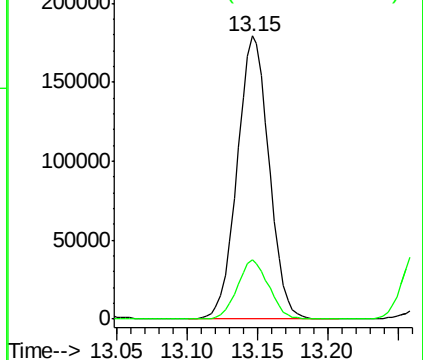
105 100

134 20.7 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.607 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

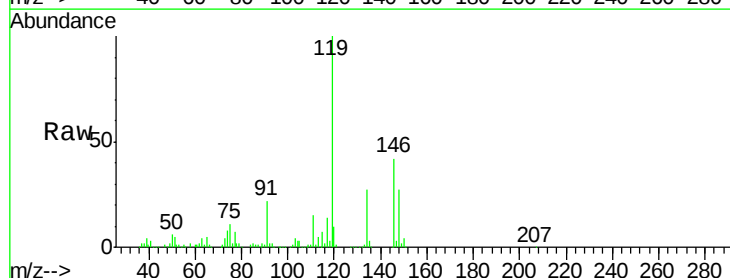
Tgt Ion:119 Resp: 263146

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

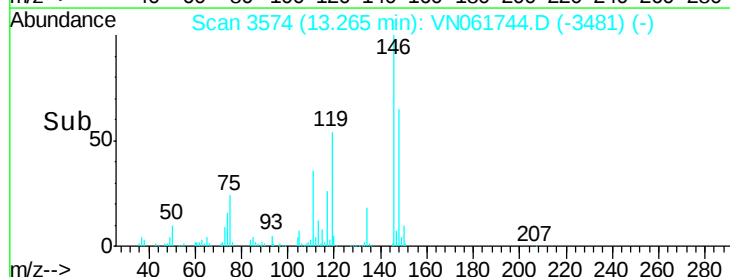
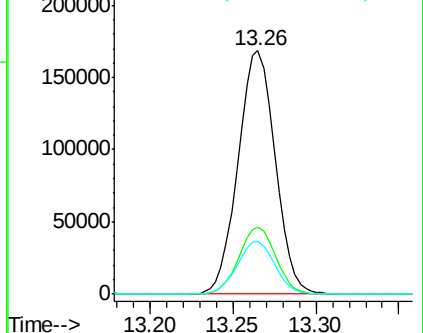
91 21.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

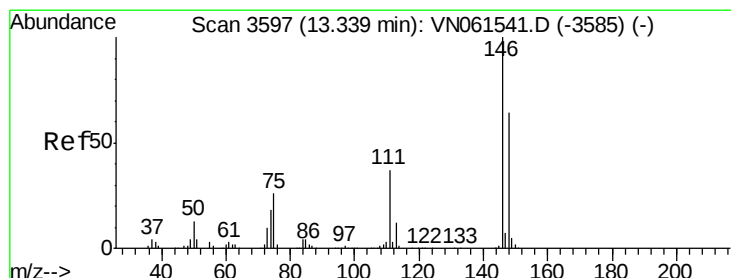
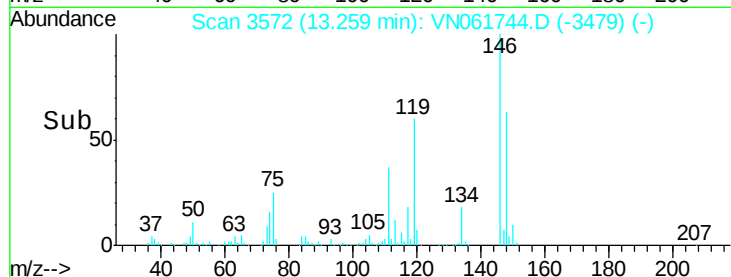
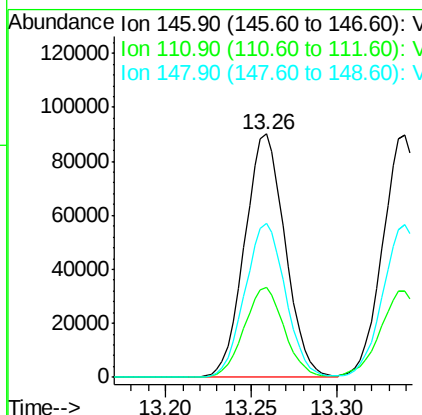
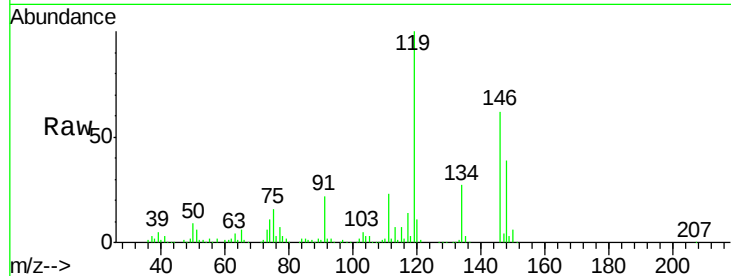




#87
 1,3-Dichlorobenzene
 Concen: 19.122 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

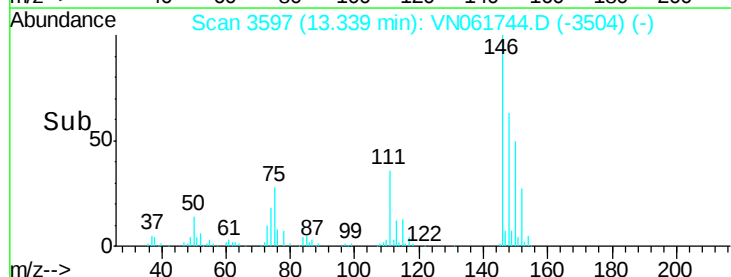
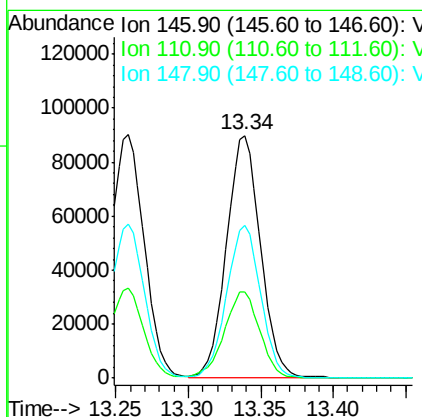
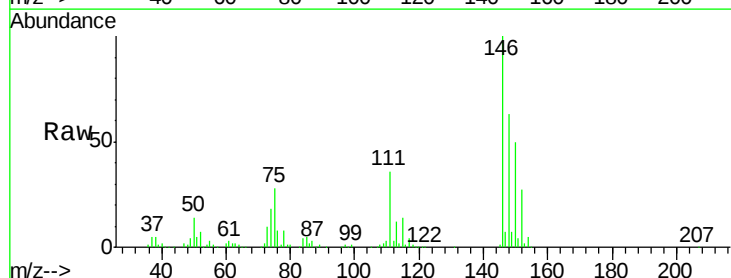
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 147411
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.2 57.6
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 18.559 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion:146 Resp: 145751
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 63.0 31.8 95.3





#89

n-Butylbenzene

Concen: 16.742 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

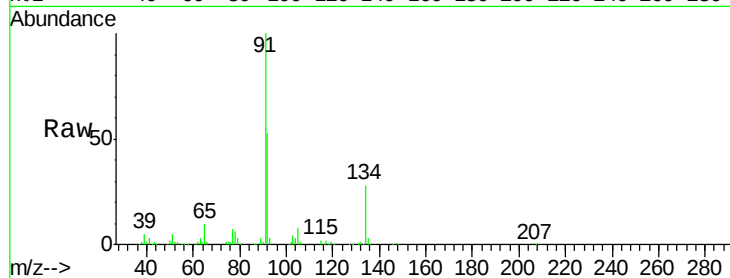
Tot Ion: 91 Resp: 209585

Ion Ratio Lower Upper

91 100

92 52.0 27.2 81.6

134 27.3 14.0 42.0

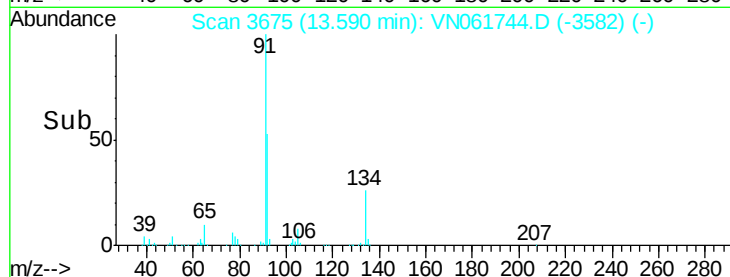


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time--> 13.55 13.60 13.70

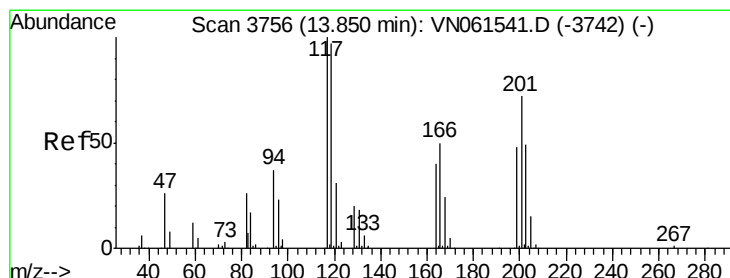


Abundance Ion 91.00 (90.70 to 91.70): VN061744.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061744.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061744.D (-3582) (-)

Time--> 13.55 13.60 13.70



#90

Hexachloroethane

Concen: 23.725 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061744.D

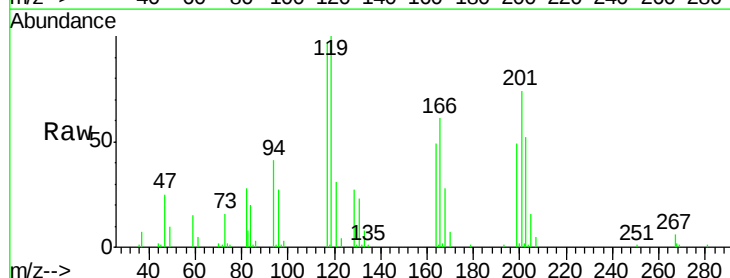
Acq: 11 Jun 2020 14:07

Tgt Ion: 117 Resp: 39214

Ion Ratio Lower Upper

117 100

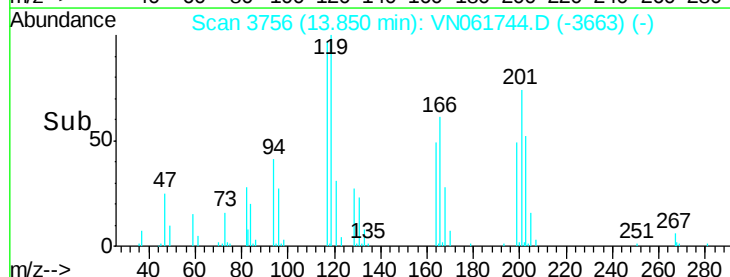
201 77.0 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

Time--> 13.80 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN061744.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061744.D (-3663) (-)

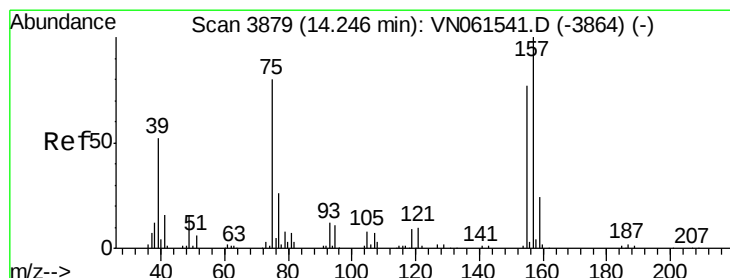
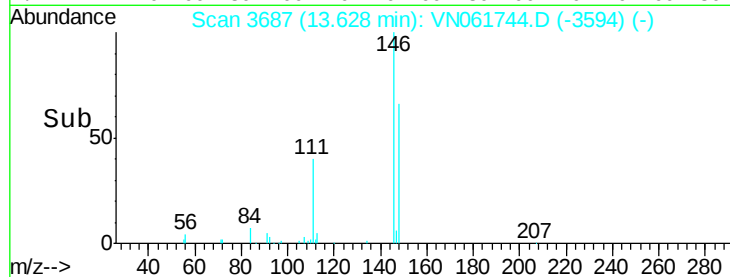
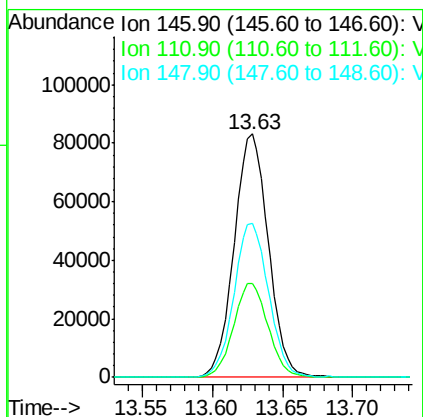
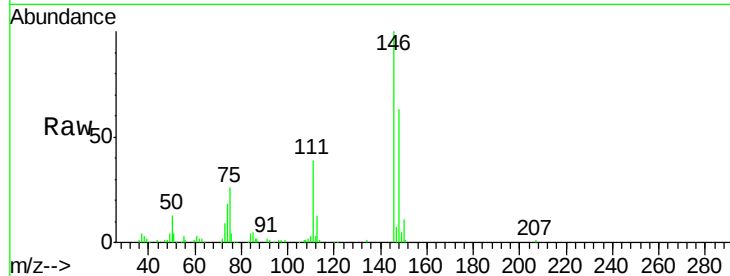
Time--> 13.80 13.85 13.90



#91
 1,2-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

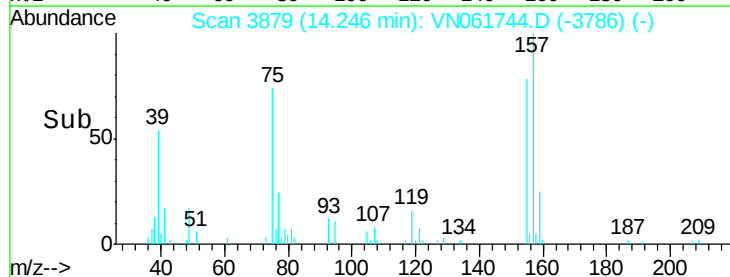
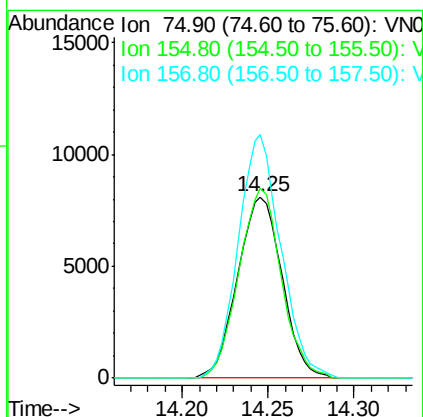
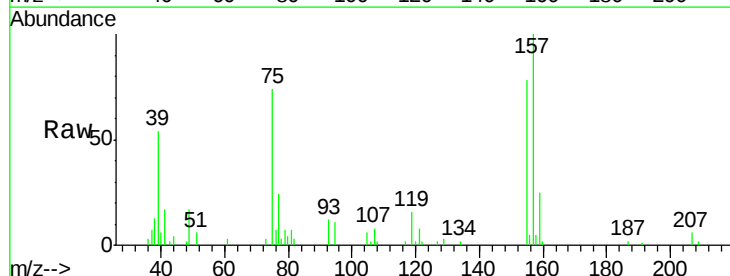
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 141737
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.1 60.2
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.870 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion: 75 Resp: 14494
 Ion Ratio Lower Upper
 75 100
 155 100.1 47.1 141.4
 157 129.1 60.3 180.8

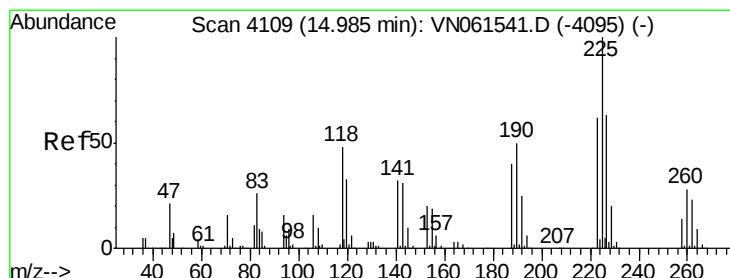
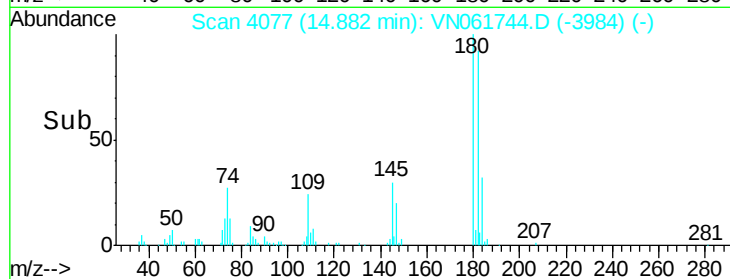
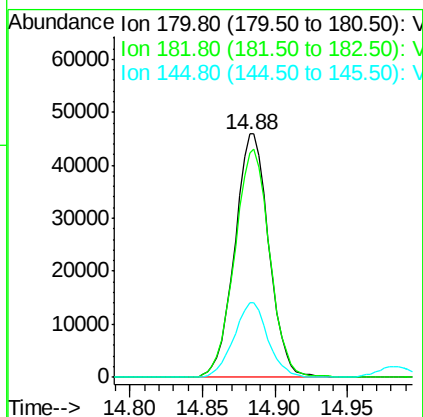
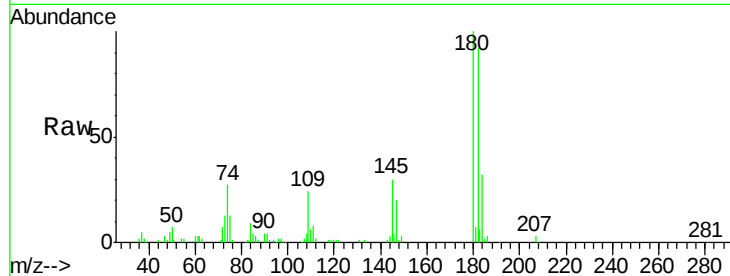




#93
 1,2,4-Trichlorobenzene
 Concen: 17.399 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

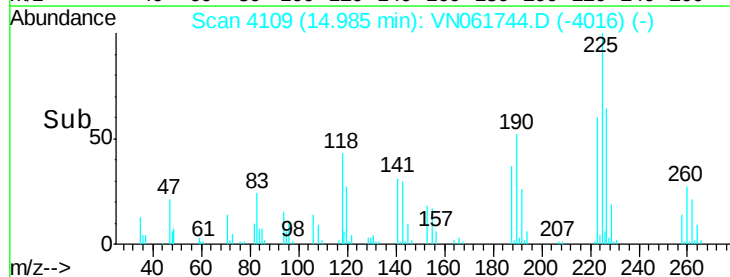
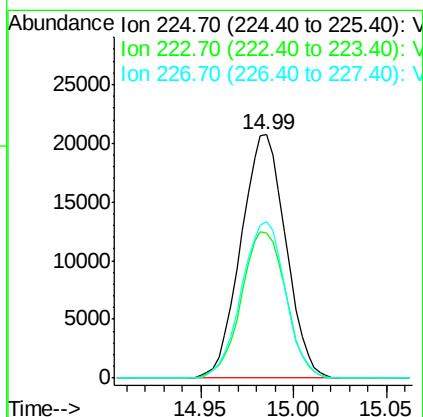
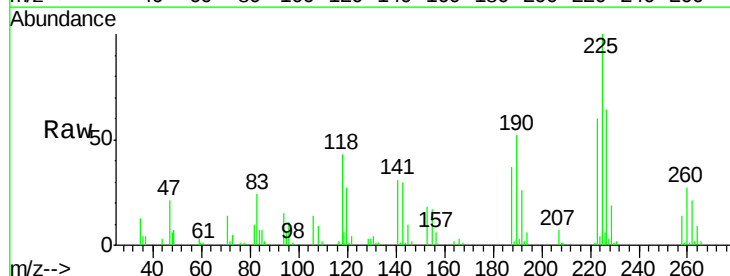
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 74966
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.8 143.3
 145 30.6 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 18.900 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061744.D
 Acq: 11 Jun 2020 14:07

Tgt Ion:225 Resp: 34729
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.9 95.5
 227 62.7 31.9 95.9





#95

Naphthalene

Concen: 15.631 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

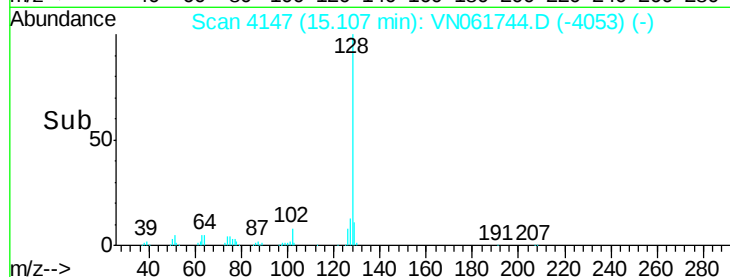
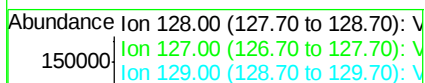
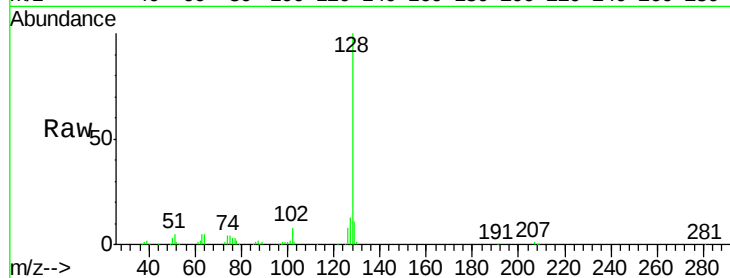
Tot Ion:128 Resp: 204993

Ion Ratio Lower Upper

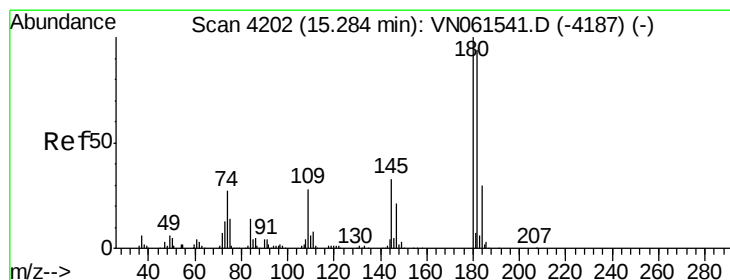
128 100

127 12.8 10.0 15.0

129 10.6 8.5 12.7



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.018 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061744.D

Acq: 11 Jun 2020 14:07

Tgt Ion:180 Resp: 76327

Ion Ratio Lower Upper

180 100

182 93.9 47.1 141.3

145 32.5 16.3 48.9

