

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061478.D
 Acq On : 19 May 2020 12:52
 Operator : JC/MD
 Sample : VN0519WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 02:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	303818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	554911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	524180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	244833	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	219229	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.55	113	151743	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	10.06	98	676396	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.37	95	251003	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	55020	21.779	ug/l	99
3) Chloromethane	2.03	50	85636	20.783	ug/l	100
4) Vinyl Chloride	2.16	62	125736	21.322	ug/l	100
5) Bromomethane	2.54	94	71857	21.850	ug/l	96
6) Chloroethane	2.67	64	84409	21.267	ug/l	98
7) Trichlorofluoromethane	2.98	101	154578	21.591	ug/l	97
8) Diethyl Ether	3.37	74	45242	21.695	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	65681	22.062	ug/l	99
10) Methyl Iodide	3.91	142	82798	22.897	ug/l	99
11) Tert butyl alcohol	4.73	59	66389	127.070	ug/l #	91
12) 1,1-Dichloroethene	3.70	96	67038	21.526	ug/l	94
13) Acrolein	3.56	56	29739	65.562	ug/l	98
14) Allyl chloride	4.27	41	106674	21.048	ug/l	98
15) Acrylonitrile	4.93	53	162757	105.149	ug/l	99
16) Acetone	3.77	43	138123	112.790	ug/l	100
17) Carbon Disulfide	4.01	76	169870	23.741	ug/l	99
18) Methyl Acetate	4.28	43	66601	20.792	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	256641	21.716	ug/l	100
20) Methylene Chloride	4.50	84	80190	21.519	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	79072	22.019	ug/l	95
22) Diisopropyl ether	5.90	45	241517	21.206	ug/l	94
23) Vinyl Acetate	5.84	43	969246	107.022	ug/l	98
24) 1,1-Dichloroethane	5.80	63	146169	22.004	ug/l	99
25) 2-Butanone	6.79	43	216416	104.826	ug/l	97
26) 2,2-Dichloropropane	6.77	77	138459	21.865	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	94457	22.268	ug/l	98
28) Bromochloromethane	7.15	49	62274	22.086	ug/l	96
29) Tetrahydrofuran	7.17	42	141571	103.542	ug/l	97
30) Chloroform	7.33	83	157631	22.719	ug/l	98
31) Cyclohexane	7.61	56	129118	20.316	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	142172	22.424	ug/l	100
36) 1,1-Dichloropropene	7.75	75	113659	21.905	ug/l	98
37) Ethyl Acetate	6.88	43	96085	20.419	ug/l	99
38) Carbon Tetrachloride	7.73	117	106685	22.330	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	135271	21.345	ug/l	95
40) Benzene	8.00	78	347206	22.205	ug/l	100
41) Methacrylonitrile	7.16	41	131349	66.089	ug/l #	15
42) 1,2-Dichloroethane	8.08	62	124914	22.173	ug/l	99
43) Isopropyl Acetate	8.12	43	169070	20.601	ug/l #	92
44) Trichloroethene	8.80	130	96096	23.454	ug/l	94
45) 1,2-Dichloropropane	9.08	63	87437	22.340	ug/l	99
46) Dibromomethane	9.17	93	60934	22.208	ug/l	96
47) Bromodichloromethane	9.37	83	127995	22.141	ug/l	99
48) Methyl methacrylate	9.17	41	76138	20.082	ug/l	98
49) 1,4-Dioxane	9.17	88	27071	666.278	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	477980	106.911	ug/l	99
52) Toluene	10.12	92	231644	23.075	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	140074	22.107	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	149339	22.172	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	87996	23.185	ug/l	98
56) Ethyl methacrylate	10.40	69	132351	22.305	ug/l	98
57) 1,3-Dichloropropane	10.68	76	147023	22.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	256934	98.651	ug/l	98
59) 2-Hexanone	10.72	43	340812	105.365	ug/l	97
60) Dibromochloromethane	10.87	129	93392	22.245	ug/l	98
61) 1,2-Dibromoethane	10.98	107	91239	22.864	ug/l	100
64) Tetrachloroethene	10.60	164	93380	23.027	ug/l	96
65) Chlorobenzene	11.41	112	238033	22.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	87782	22.907	ug/l	97
67) Ethyl Benzene	11.48	91	444645	22.788	ug/l	99
68) m/p-Xylenes	11.59	106	341205	46.070	ug/l	99
69) o-Xylene	11.92	106	165548	23.098	ug/l	97
70) Styrene	11.94	104	269222	22.684	ug/l	99
71) Bromoform	12.10	173	58388	20.822	ug/l #	97
73) Isopropylbenzene	12.22	105	432813	22.020	ug/l	99
74) N-amyl acetate	12.04	43	146225	20.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	116897	21.617	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	155618	29.622	ug/l #	100
77) Bromobenzene	12.50	156	95810	22.461	ug/l	96
78) n-propylbenzene	12.56	91	489545	21.860	ug/l	100
79) 2-Chlorotoluene	12.65	91	288777	21.816	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	364329	22.638	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	39382	19.886	ug/l	99
82) 4-Chlorotoluene	12.75	91	301832	22.021	ug/l	100
83) tert-Butylbenzene	12.97	119	310091	22.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	365183	22.674	ug/l	99
85) sec-Butylbenzene	13.15	105	407598	21.866	ug/l	99
86) p-Isopropyltoluene	13.26	119	365648	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	173986	22.287	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	173709	22.219	ug/l	98
89) n-Butylbenzene	13.59	91	318557	21.184	ug/l	99
90) Hexachloroethane	13.85	117	45015	20.066	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	169218	22.597	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22318	20.431	ug/l	94

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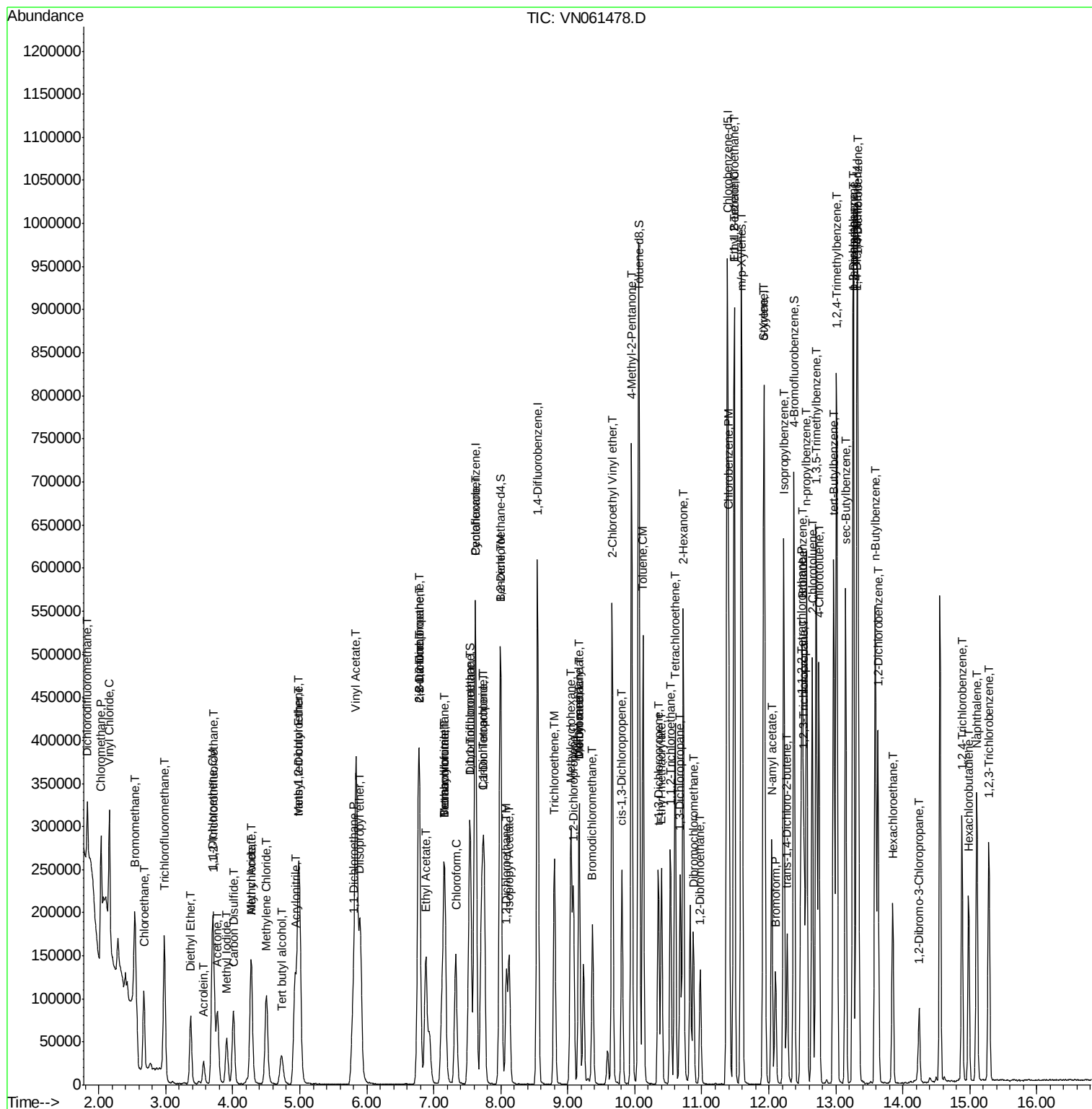
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	88364	21.763	ug/l	100
94) Hexachlorobutadiene	14.98	225	35540	19.700	ug/l	99
95) Naphthalene	15.10	128	288708	22.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88422	21.875	ug/l	99

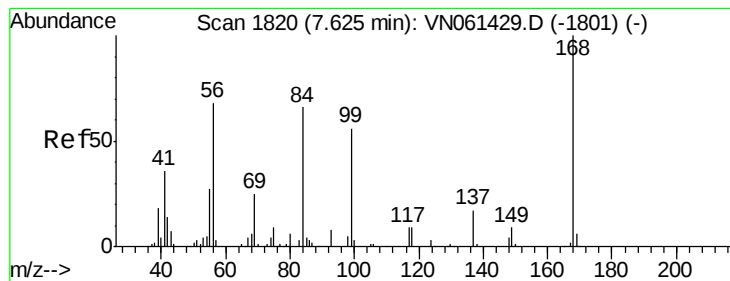
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

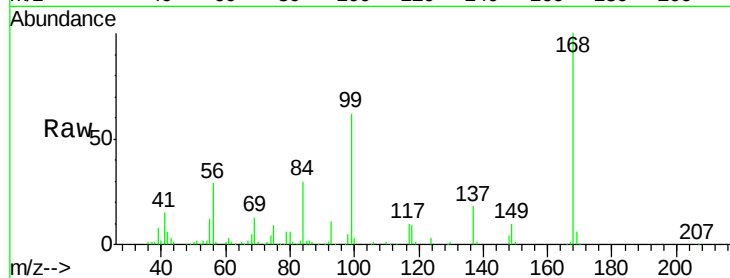
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 303818

Ion Ratio Lower Upper

168 100

99 62.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

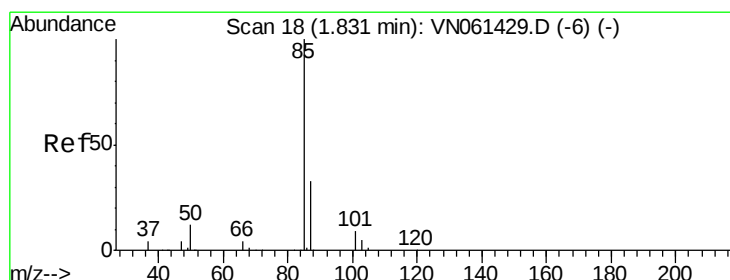
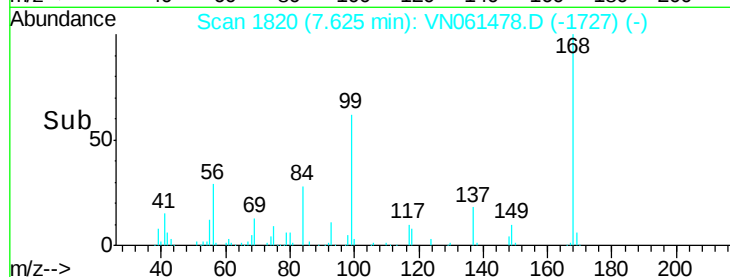
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 21.779 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061478.D

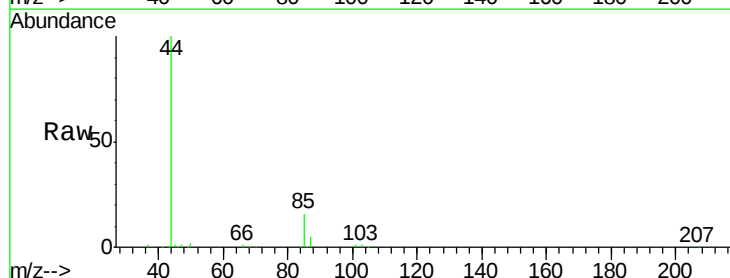
Acq: 19 May 2020 12:52

Tgt Ion: 85 Resp: 55020

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

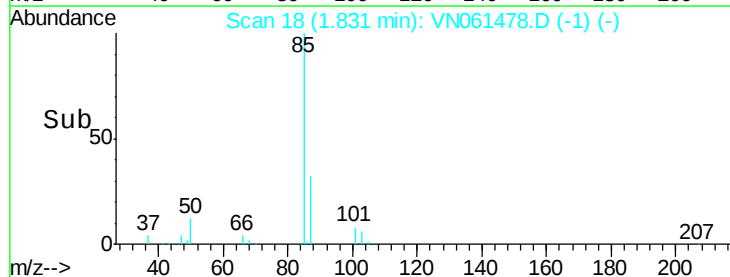
30000

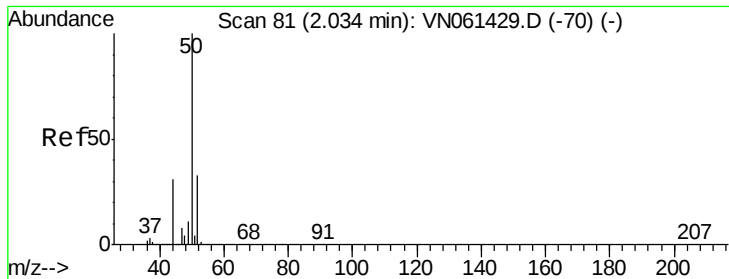
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 20.783 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

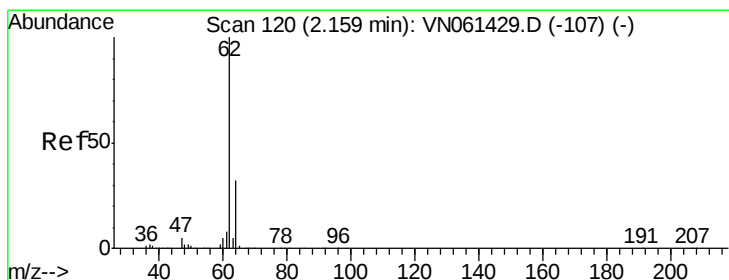
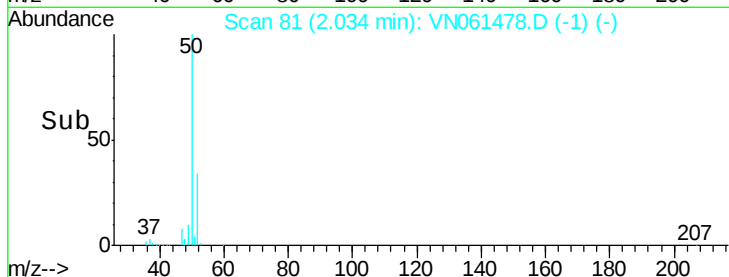
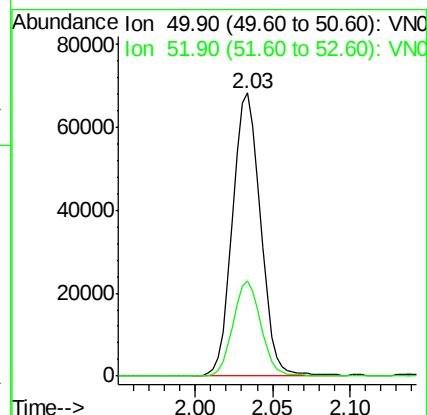
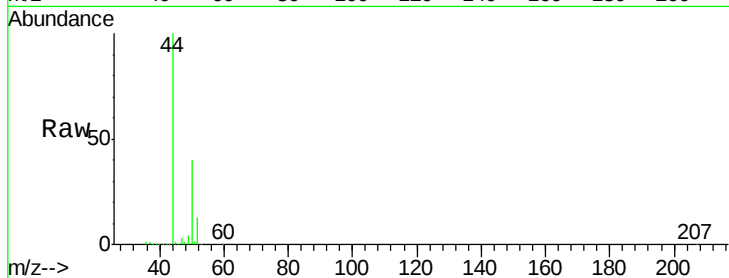
ClientSampleId :

Tot Ion: 50 Resp: 85636

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



#4

Vinyl Chloride

Concen: 21.322 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061478.D

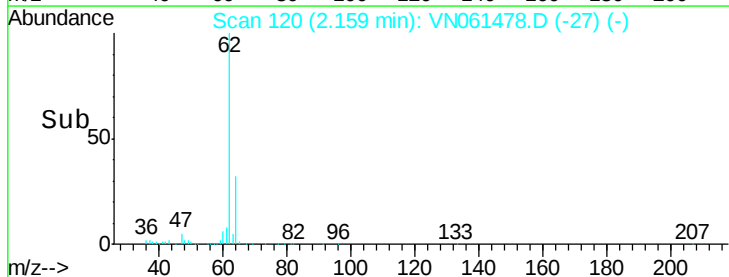
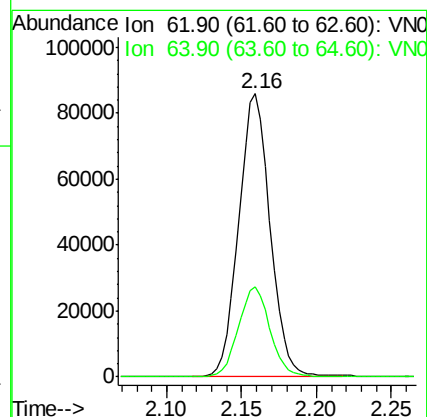
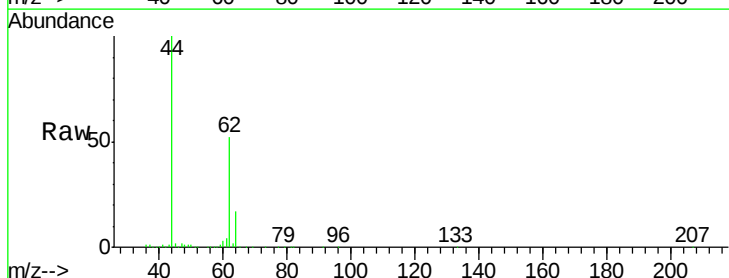
Acq: 19 May 2020 12:52

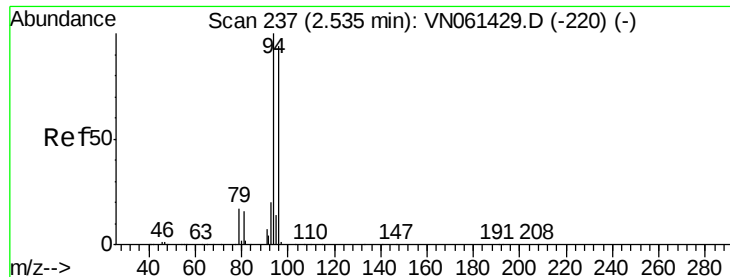
Tgt Ion: 62 Resp: 125736

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 21.850 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

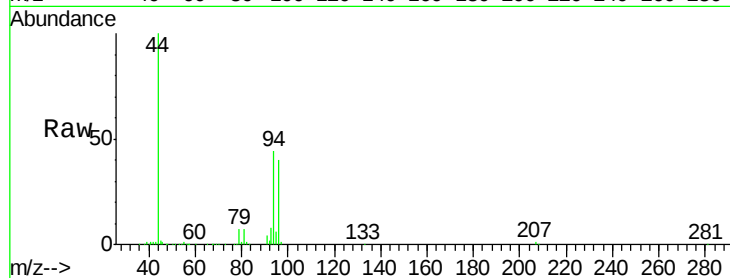
ClientSampleId :

Tot Ion: 94 Resp: 71857

Ion Ratio Lower Upper

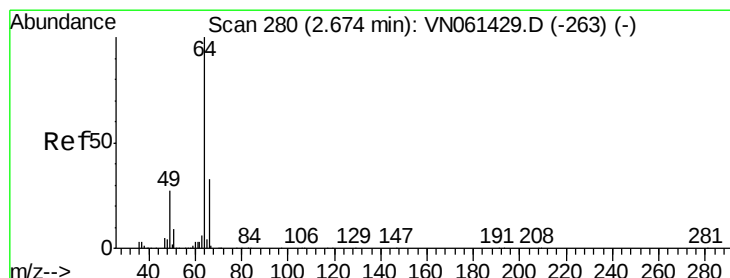
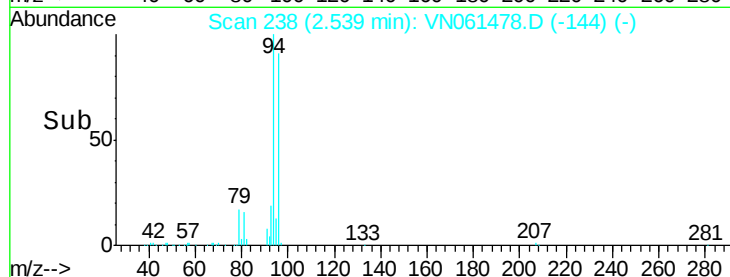
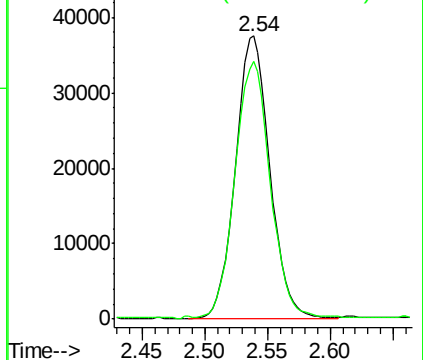
94 100

96 89.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.267 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061478.D

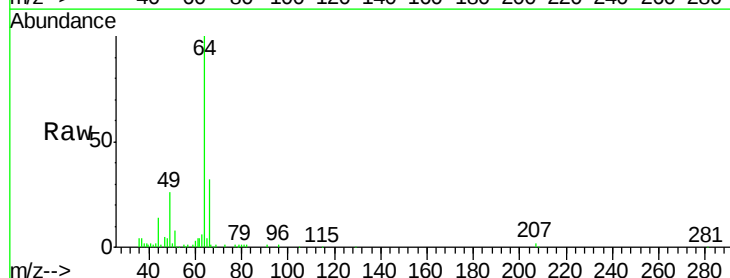
Acq: 19 May 2020 12:52

Tgt Ion: 64 Resp: 84409

Ion Ratio Lower Upper

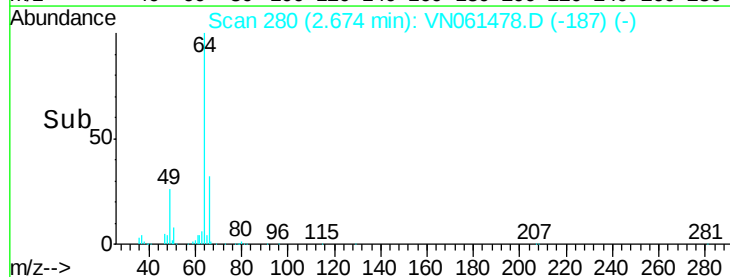
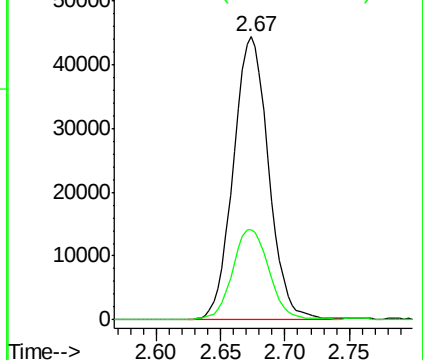
64 100

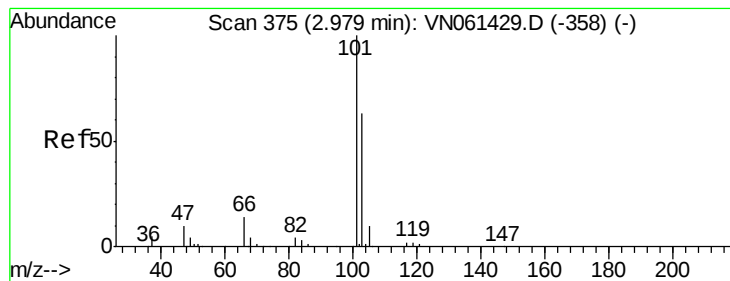
66 32.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



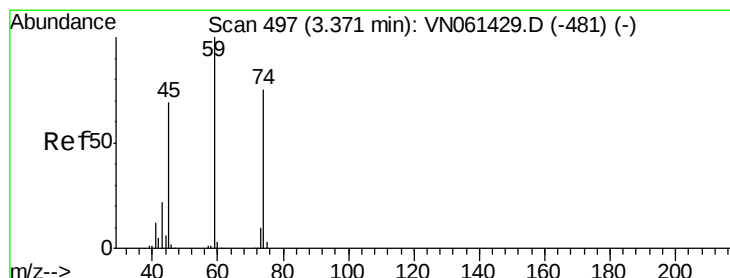
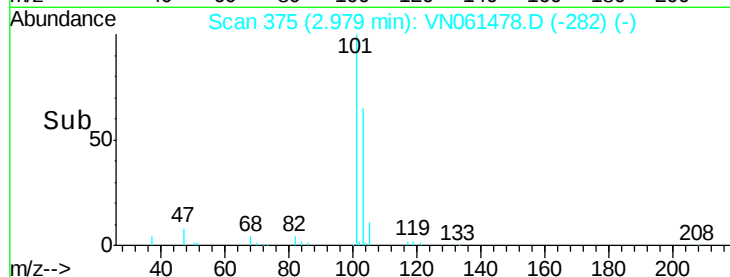
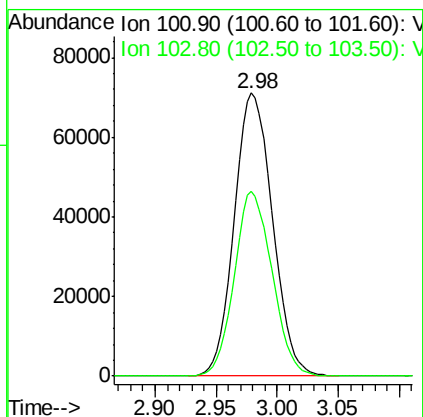
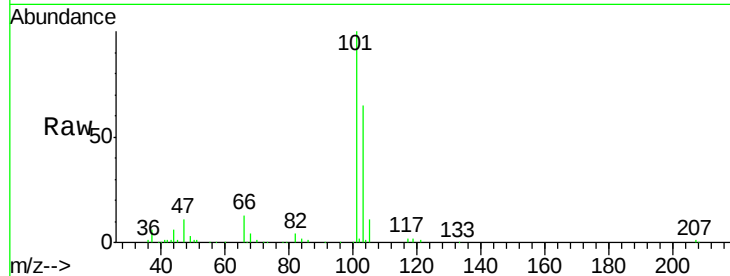


#7

Trichlorofluoromethane
 Concen: 21.591 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
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 ClientSampled :

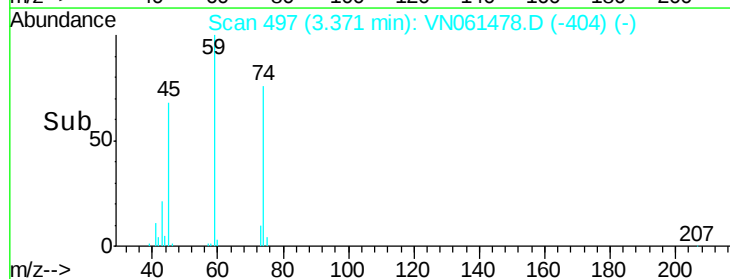
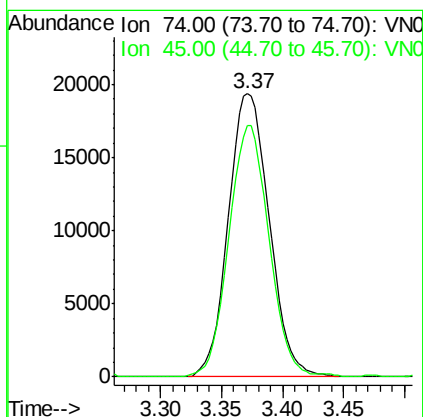
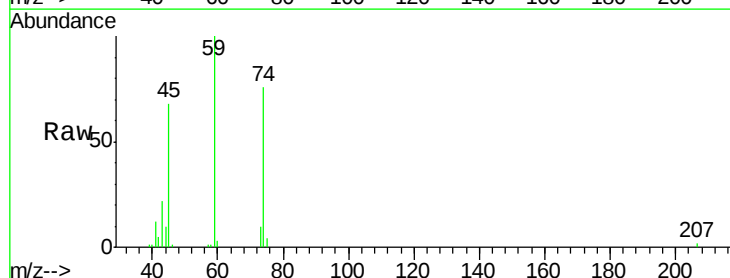
Tot Ion:101 Resp: 154578
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.2 75.4

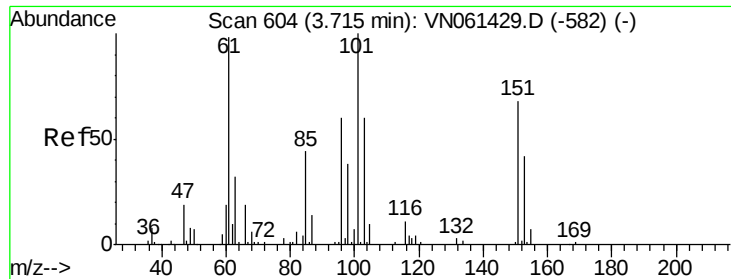


#8

Diethyl Ether
 Concen: 21.695 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 74 Resp: 45242
 Ion Ratio Lower Upper
 74 100
 45 87.2 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.062 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

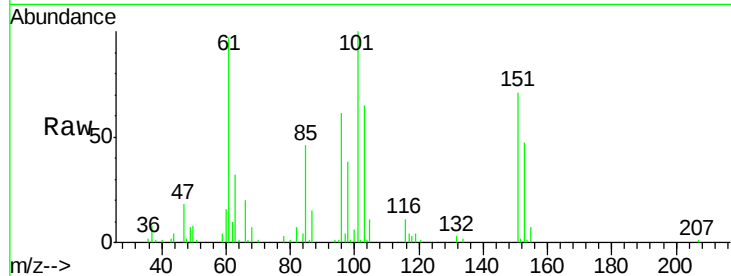
Tot Ion:101 Resp: 65681

Ion Ratio Lower Upper

101 100

85 46.7 36.6 55.0

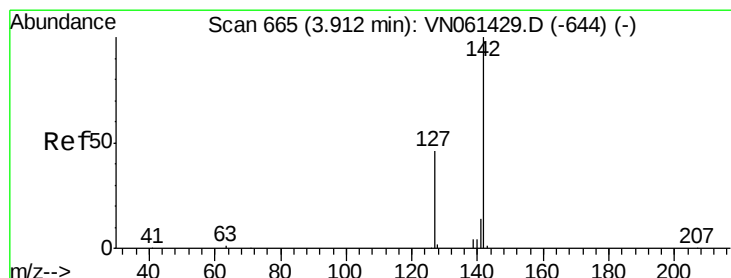
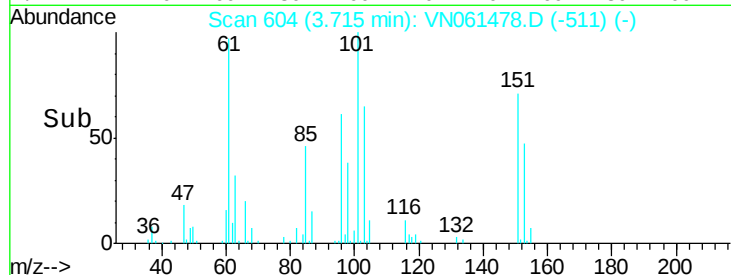
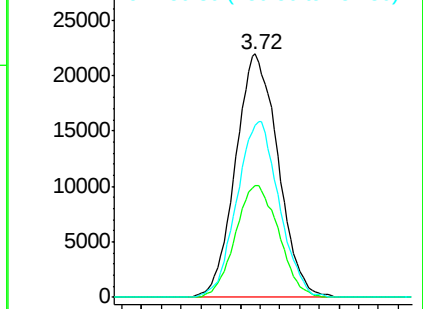
151 71.6 56.3 84.5



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: 22.897 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

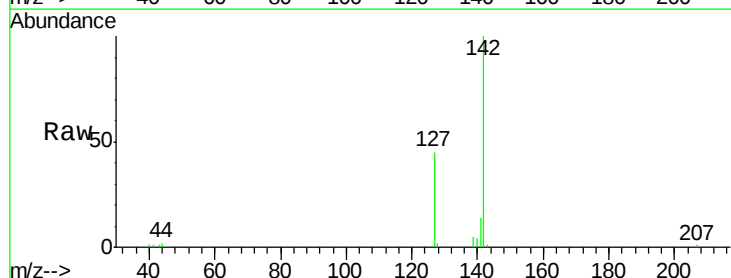
Tgt Ion:142 Resp: 82798

Ion Ratio Lower Upper

142 100

127 44.8 36.7 55.1

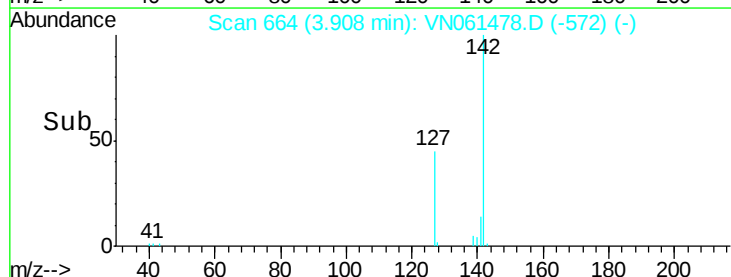
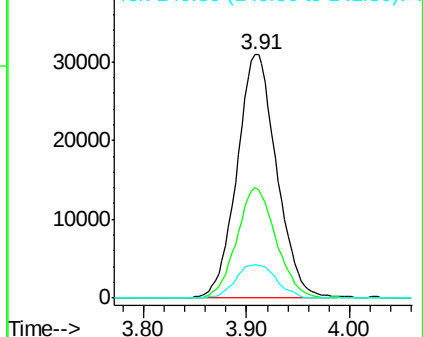
141 14.1 11.5 17.3

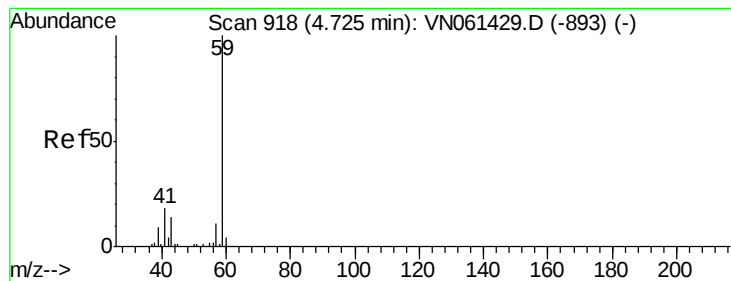


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



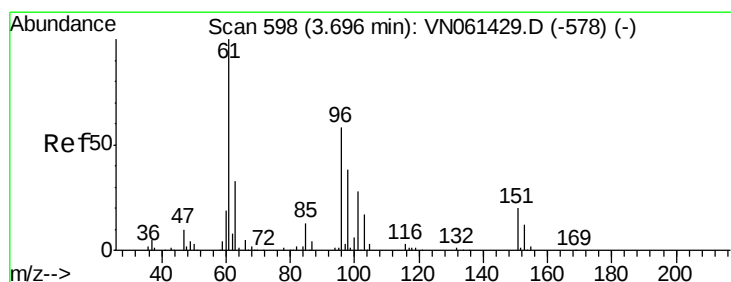
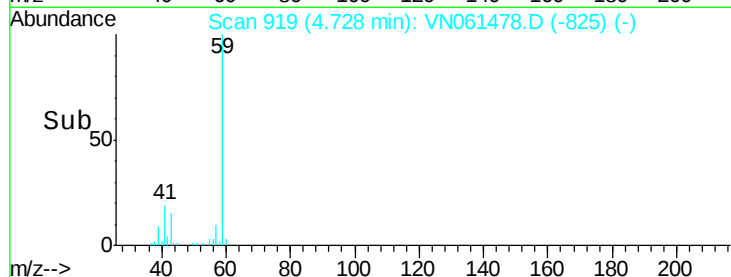
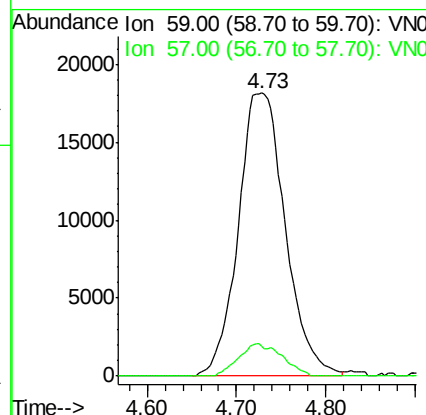
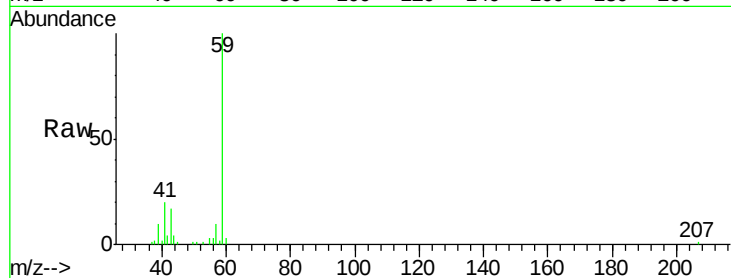


#11

Tert butyl alcohol
 Concen: 127.070 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :

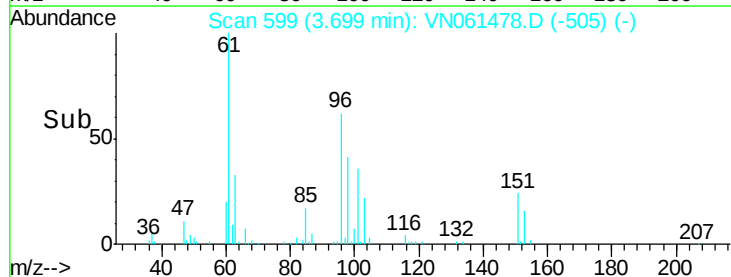
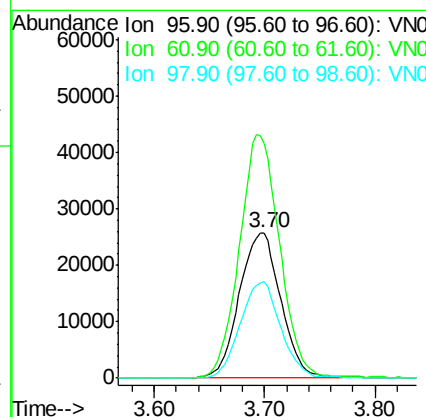
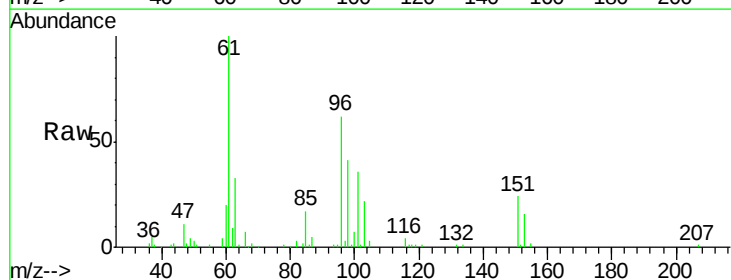
Tot Ion: 59 Resp: 66389
 Ion Ratio Lower Upper
 59 100
 57 6.7 8.2 12.2#

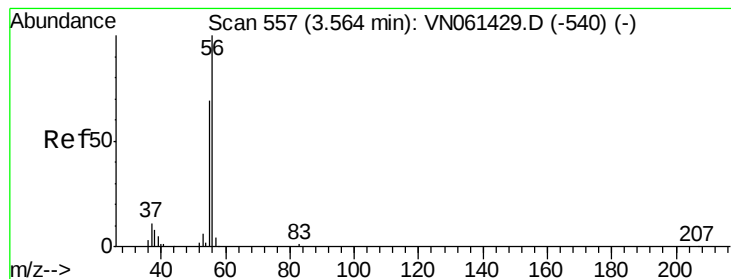


#12

1,1-Dichloroethene
 Concen: 21.526 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 96 Resp: 67038
 Ion Ratio Lower Upper
 96 100
 61 161.6 138.7 208.1
 98 66.2 53.0 79.6





#13

Acrolein

Concen: 65.562 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

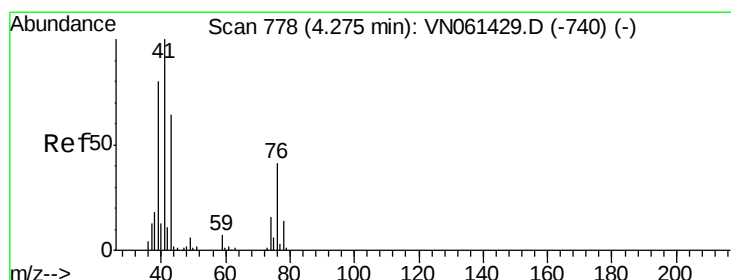
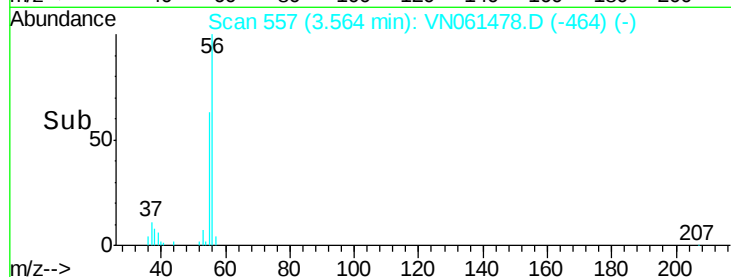
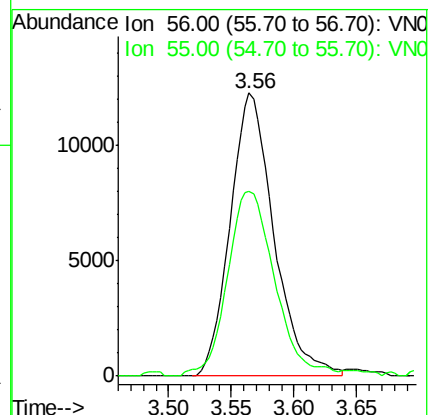
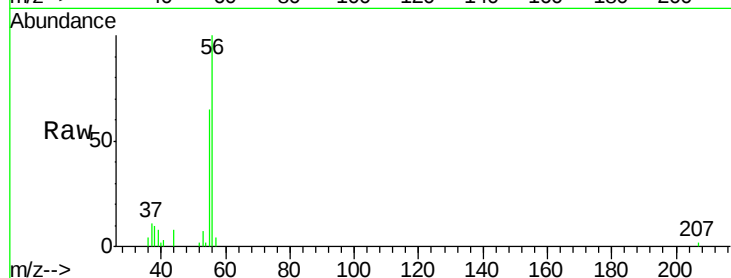
ClientSampled :

Tot Ion: 56 Resp: 29739

Ion Ratio Lower Upper

56 100

55 70.4 54.8 82.2



#14

Allyl chloride

Concen: 21.048 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

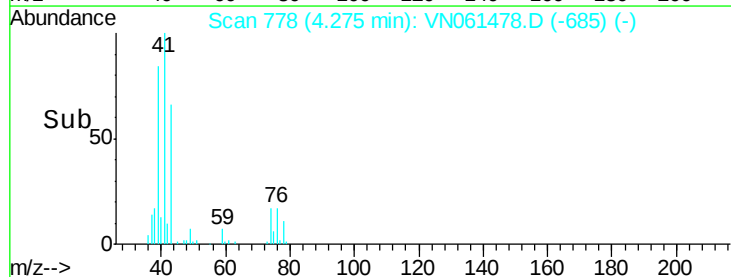
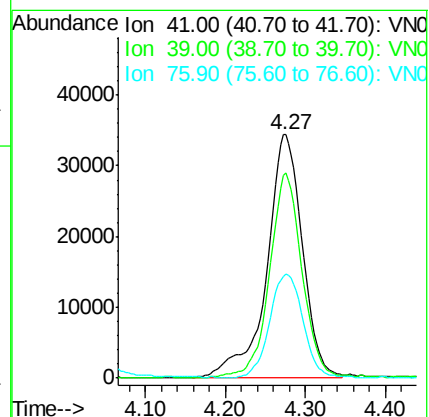
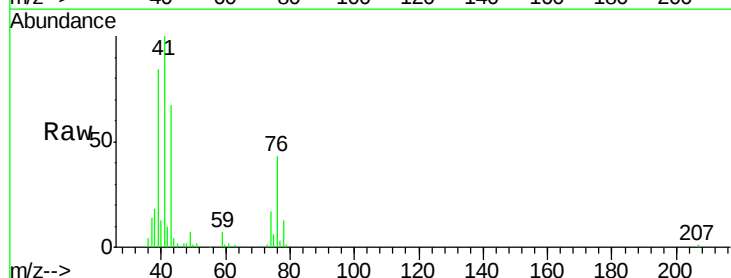
Tgt Ion: 41 Resp: 106674

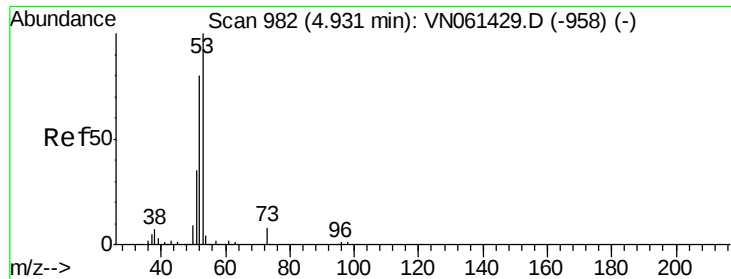
Ion Ratio Lower Upper

41 100

39 76.9 61.2 91.8

76 40.1 29.9 44.9





#15

Acrylonitrile

Concen: 105.149 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

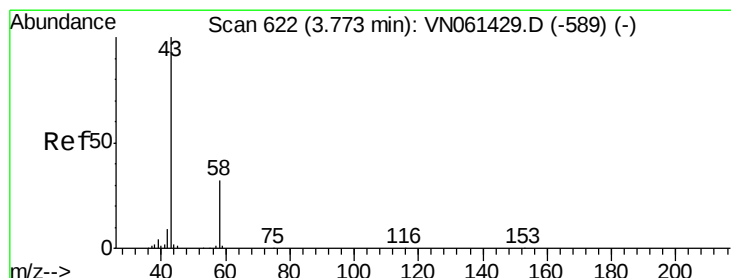
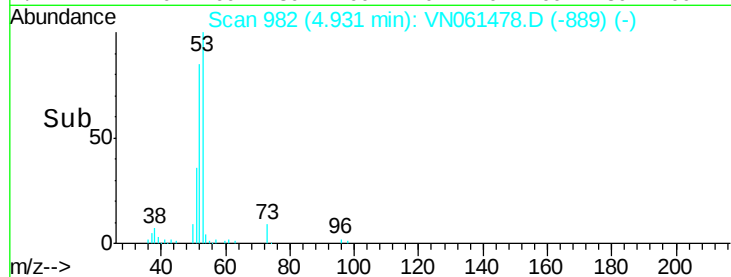
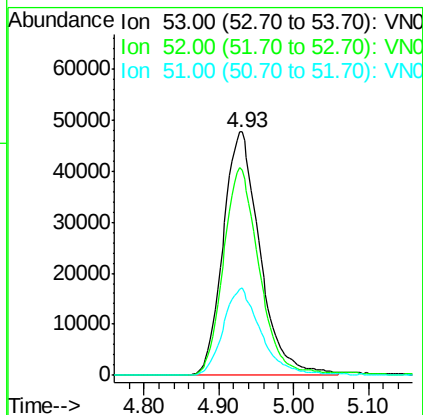
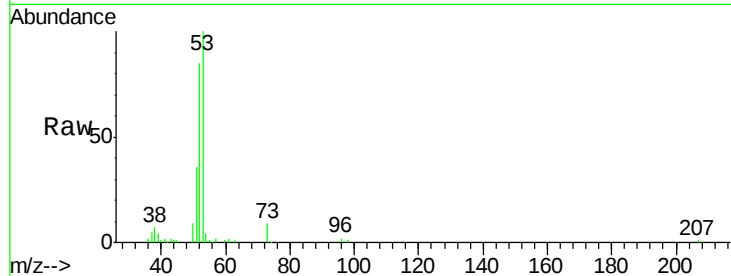
Tot Ion: 53 Resp: 162757

Ion Ratio Lower Upper

53 100

52 82.5 64.7 97.1

51 36.7 29.5 44.3



#16

Acetone

Concen: 112.790 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061478.D

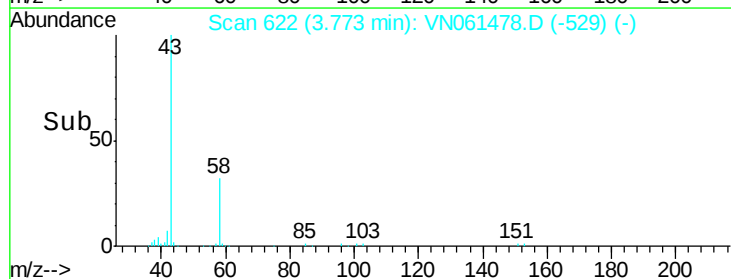
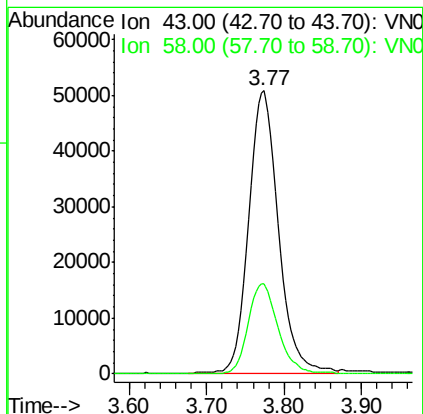
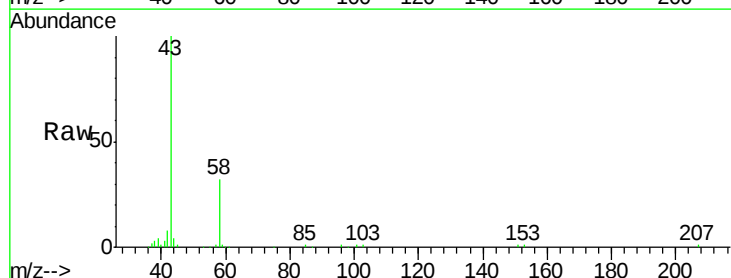
Acq: 19 May 2020 12:52

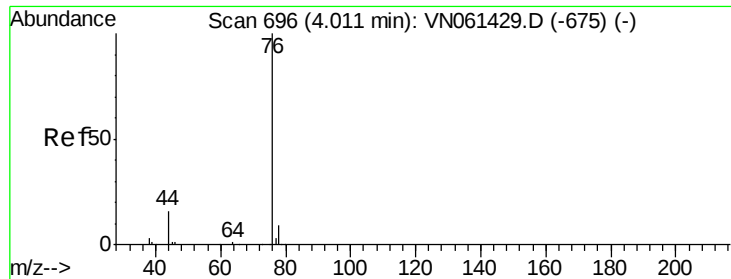
Tgt Ion: 43 Resp: 138123

Ion Ratio Lower Upper

43 100

58 31.9 25.6 38.4

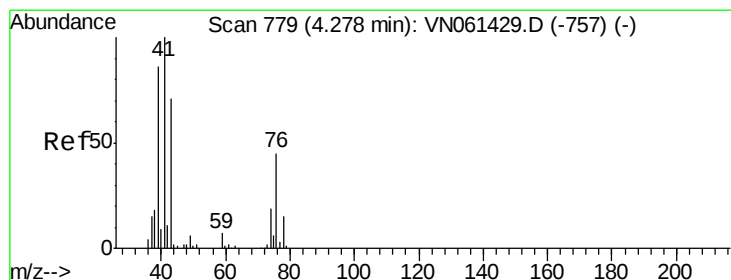
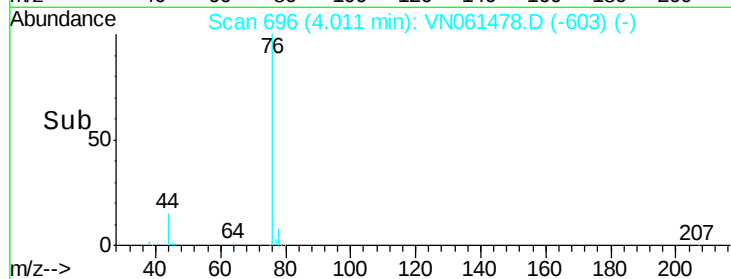
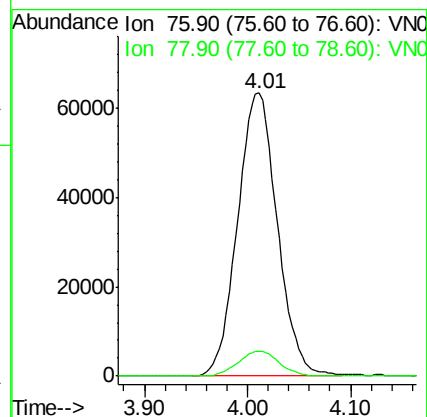
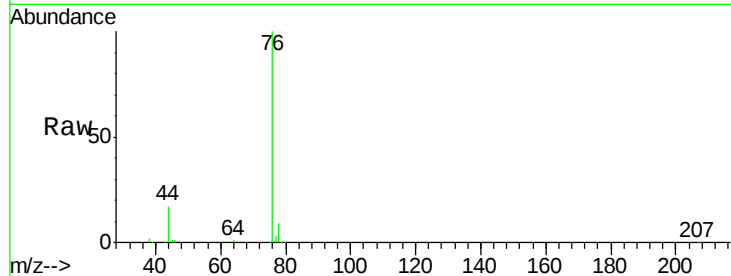




#17
Carbon Disulfide
Concen: 23.741 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

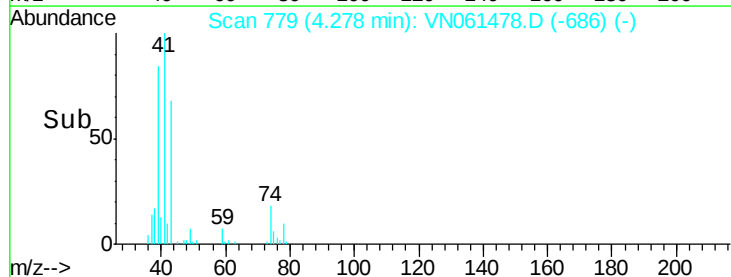
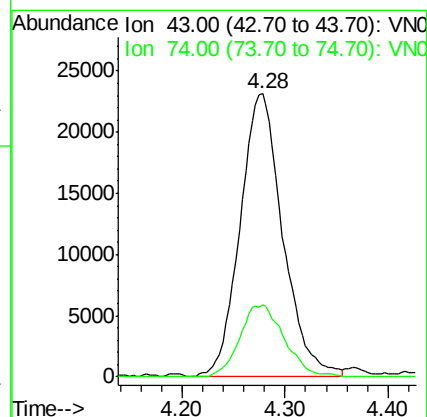
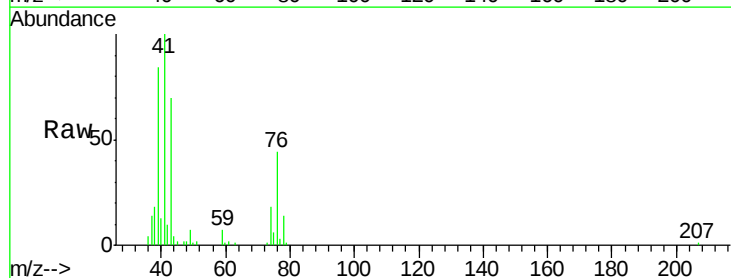
Instrument :
MSVOA_N
ClientSampleId :

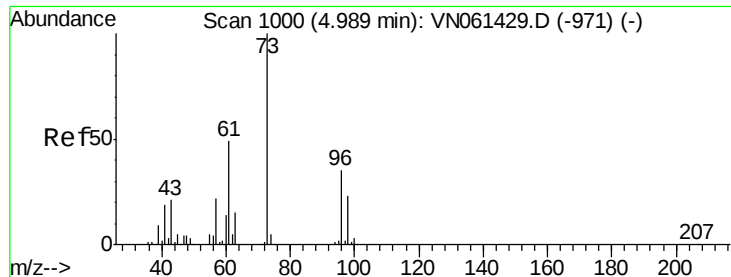
Tot Ion: 76 Resp: 169870
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 20.792 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 43 Resp: 66601
Ion Ratio Lower Upper
43 100
74 26.4 20.8 31.2

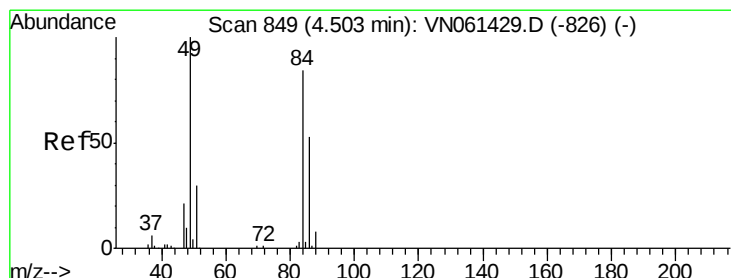
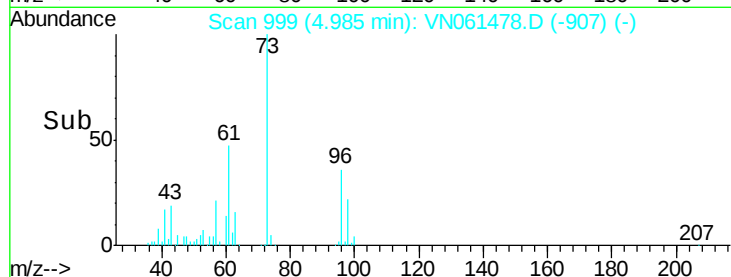
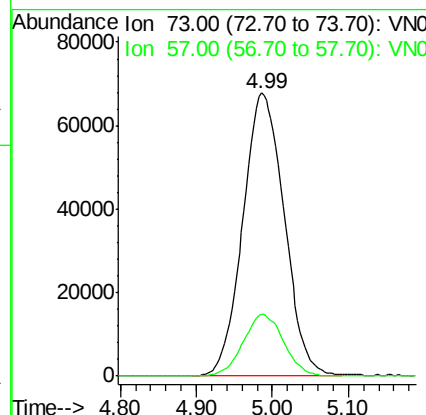
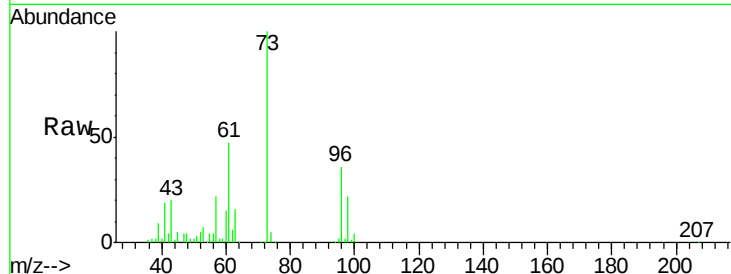




#19
Methyl tert-butyl Ether
Concen: 21.716 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

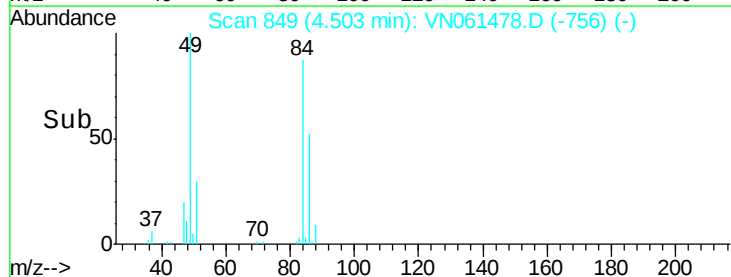
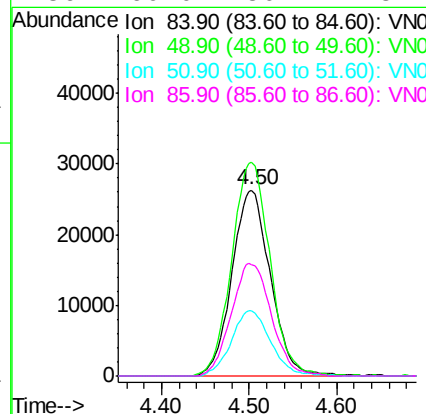
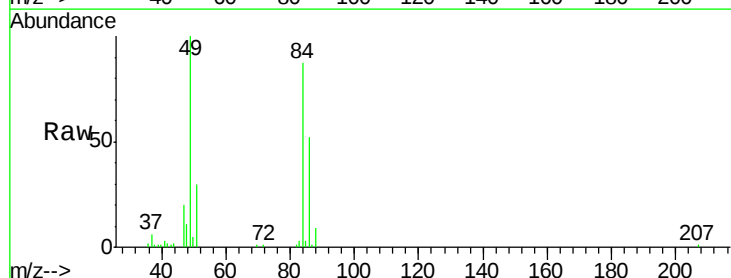
Instrument :
MSVOA_N
ClientSampled :

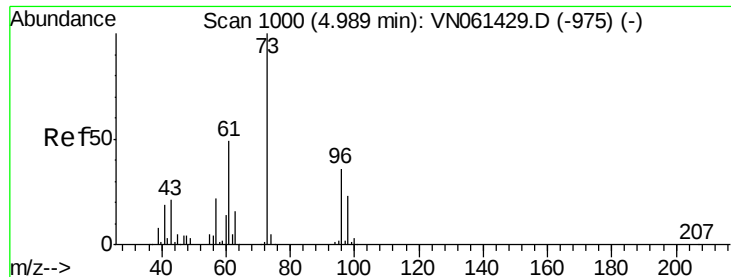
Tot Ion: 73 Resp: 256641
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0



#20
Methylene Chloride
Concen: 21.519 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 84 Resp: 80190
Ion Ratio Lower Upper
84 100
49 114.8 95.3 142.9
51 34.9 29.0 43.6
86 60.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.019 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

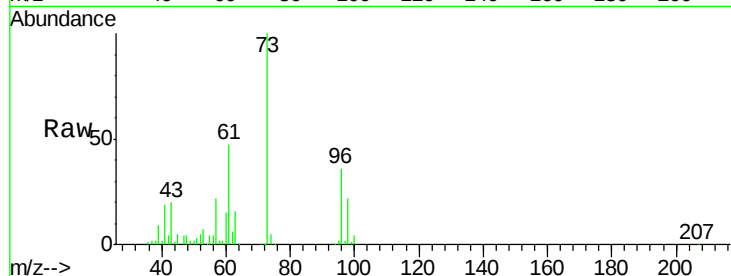
Tot Ion: 96 Resp: 79072

Ion Ratio Lower Upper

96 100

61 131.8 109.8 164.6

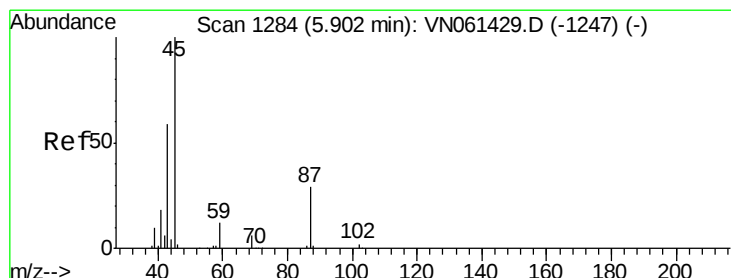
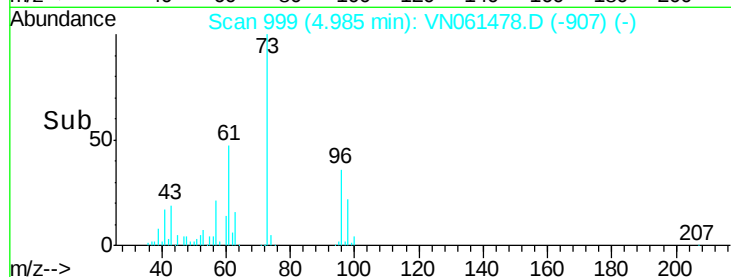
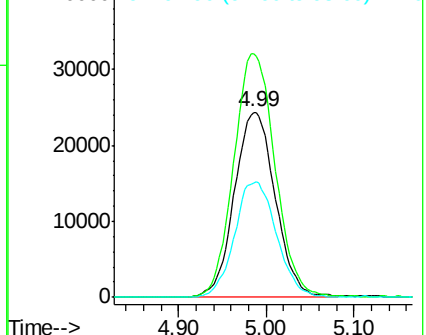
98 62.0 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN061478.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061478.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061478.D (-907) (-)



#22

Diisopropyl ether

Concen: 21.206 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion: 45 Resp: 241517

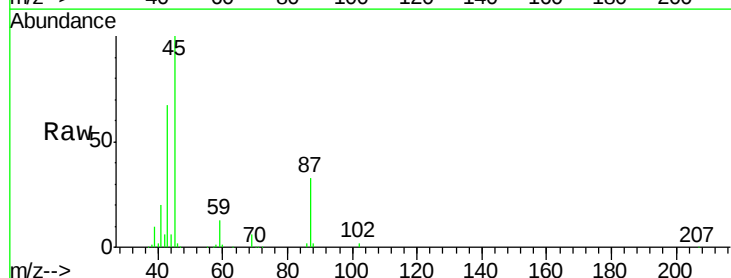
Ion Ratio Lower Upper

45 100

43 65.3 47.9 71.9

87 33.3 24.0 36.0

59 12.4 9.7 14.5

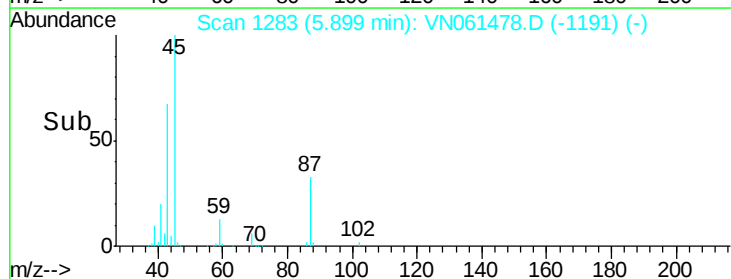
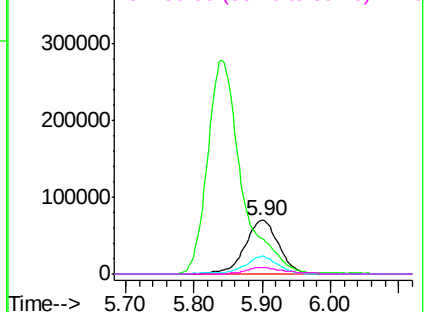


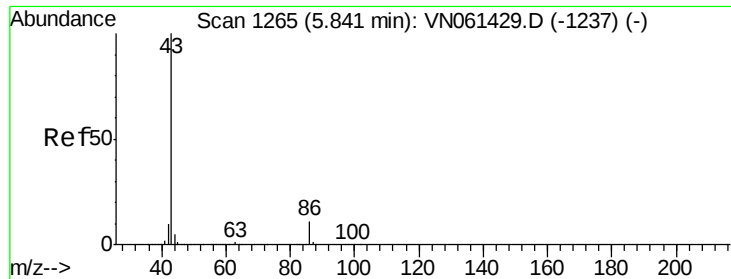
Abundance Ion 45.00 (44.70 to 45.70): VN061478.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061478.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061478.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061478.D (-1191) (-)





#23

Vinyl Acetate

Concen: 107.022 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

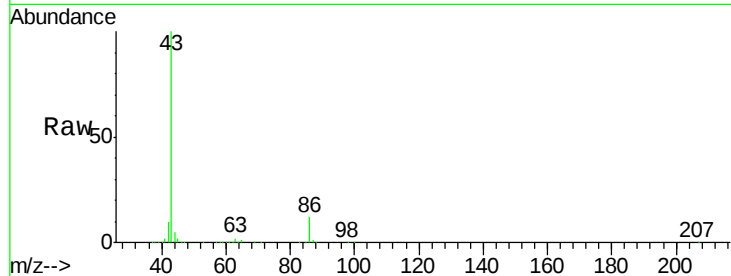
ClientSampled :

Tot Ion: 43 Resp: 969246

Ion Ratio Lower Upper

43 100

86 12.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

300000

250000

200000

150000

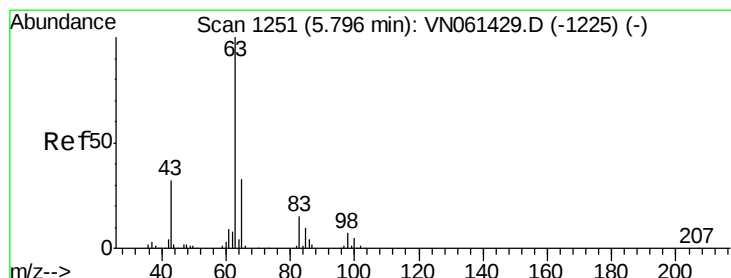
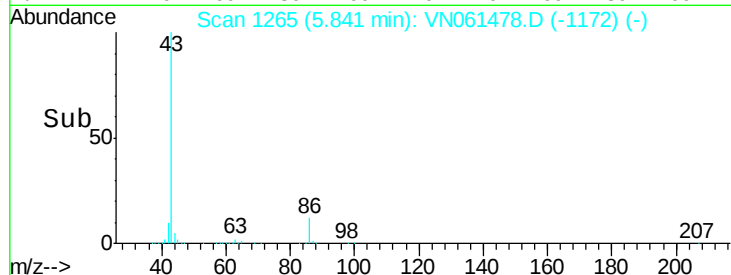
100000

50000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 22.004 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

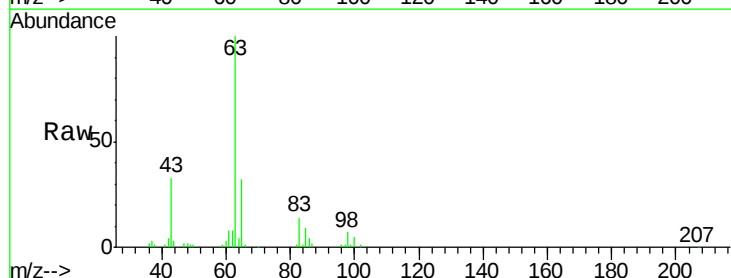
Tgt Ion: 63 Resp: 146169

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

60000

50000

40000

30000

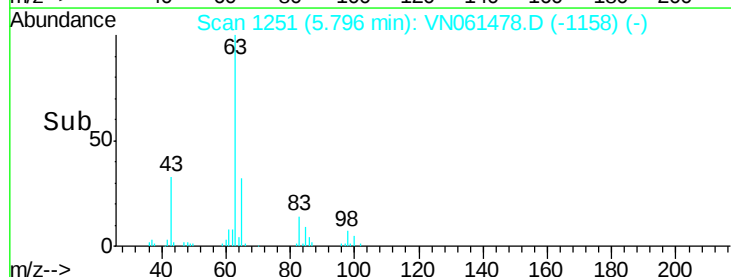
20000

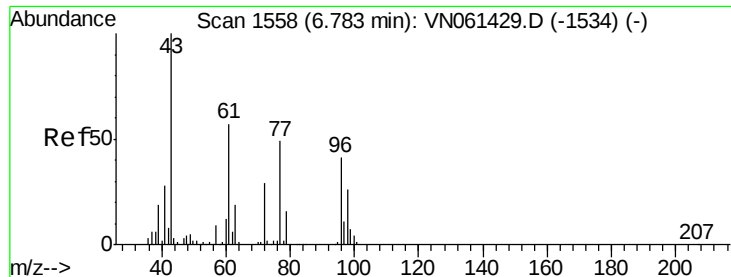
10000

0

Time-->

5.70 5.80 5.90

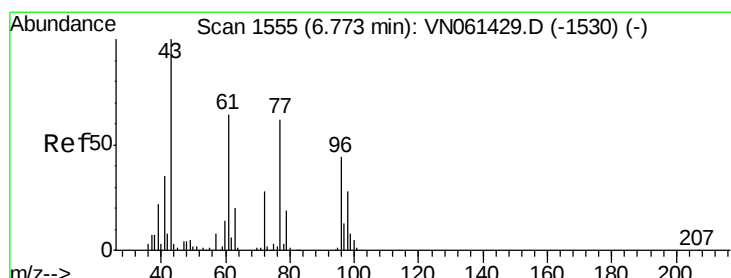
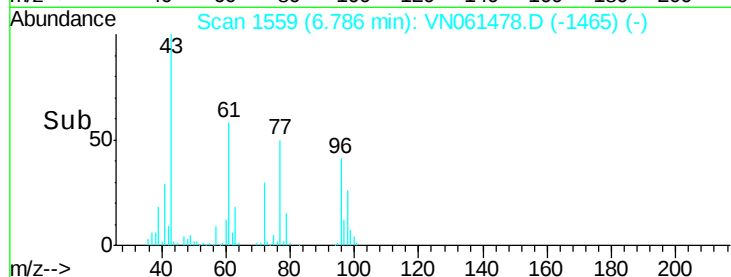
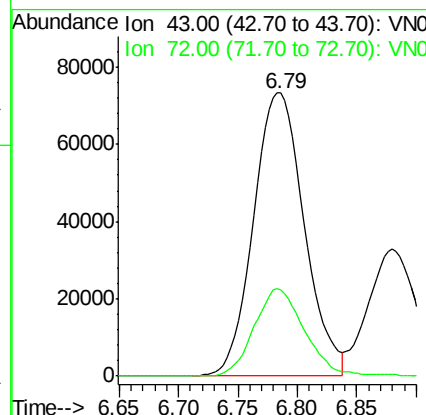
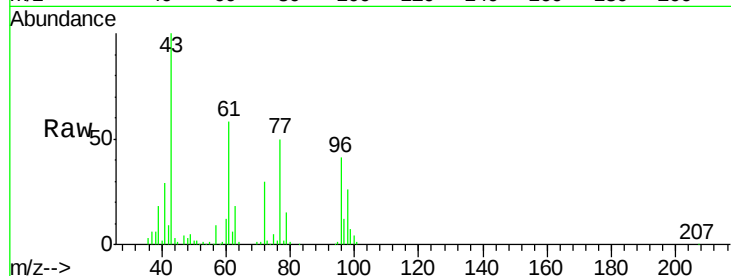




#25
 2-Butanone
 Concen: 104.826 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

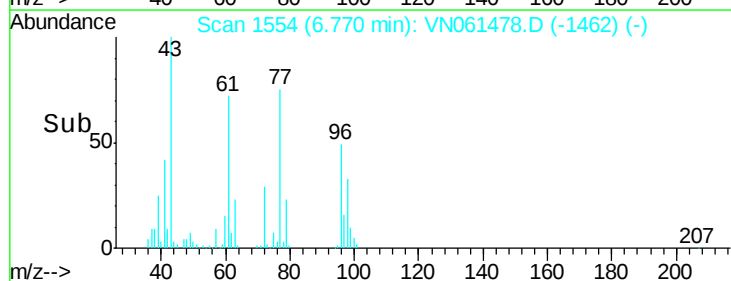
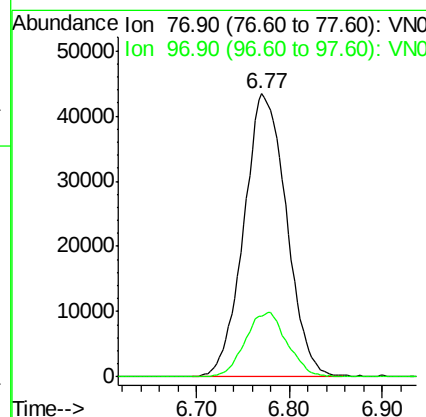
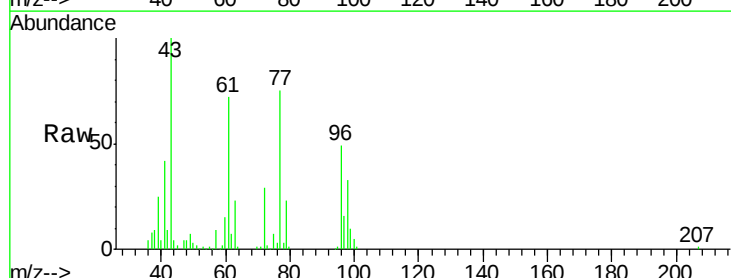
Instrument :
 MSVOA_N
 ClientSampled :

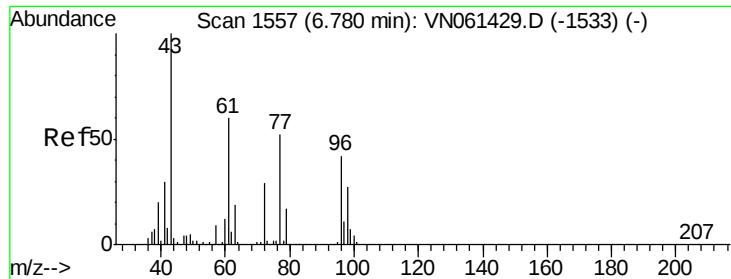
Tot Ion: 43 Resp: 216416
 Ion Ratio Lower Upper
 43 100
 72 30.3 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 21.865 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 77 Resp: 138459
 Ion Ratio Lower Upper
 77 100
 97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 22.268 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :

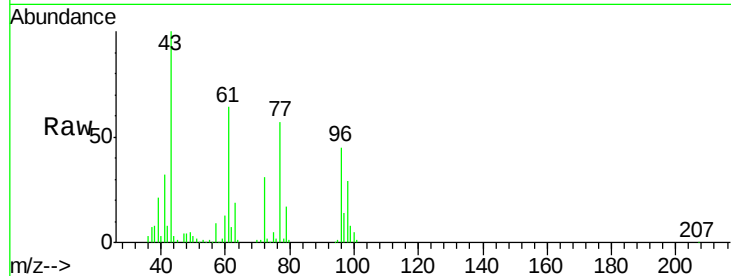
Tot Ion: 96 Resp: 94457

Ion Ratio Lower Upper

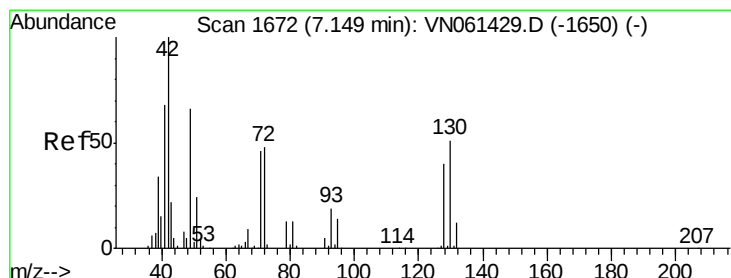
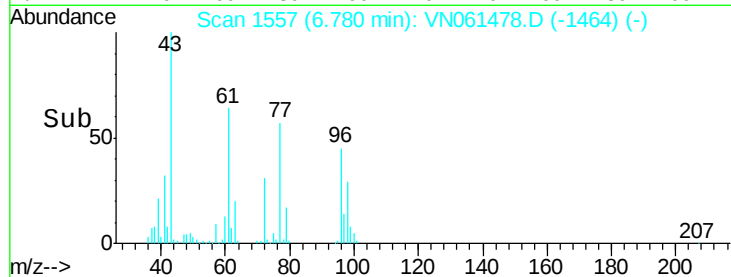
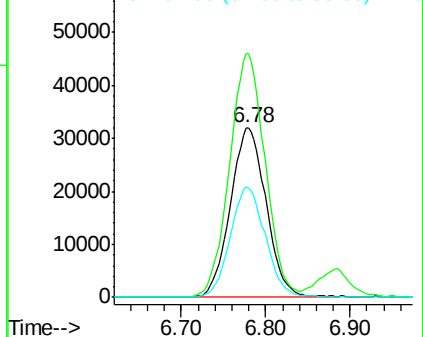
96 100

61 142.8 0.0 294.2

98 64.0 0.0 128.2



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



#28

Bromochloromethane

Concen: 22.086 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

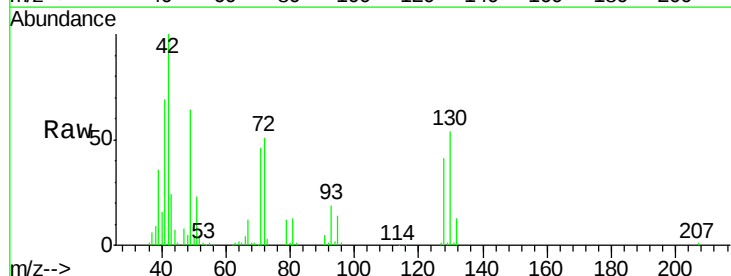
Tgt Ion: 49 Resp: 62274

Ion Ratio Lower Upper

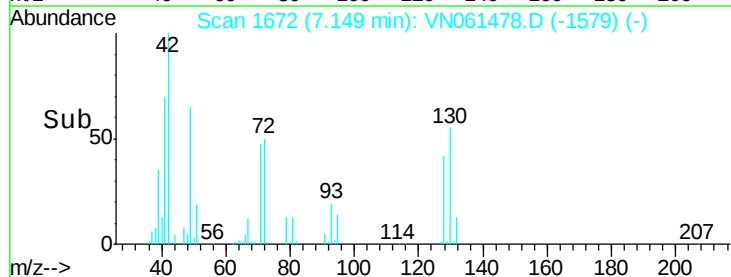
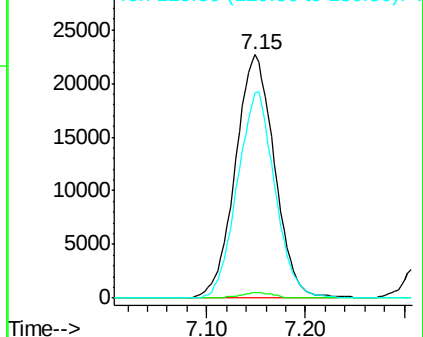
49 100

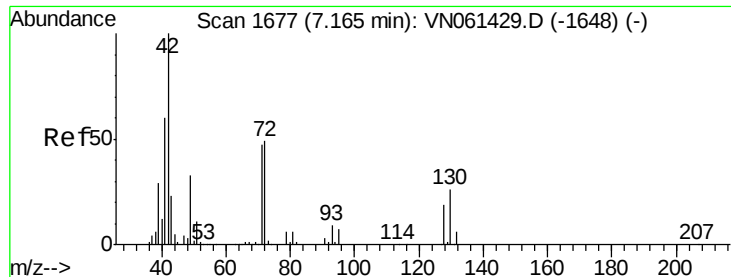
129 1.8 0.0 4.6

130 81.3 62.2 93.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

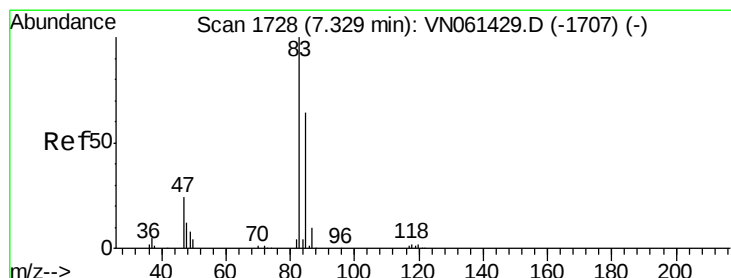
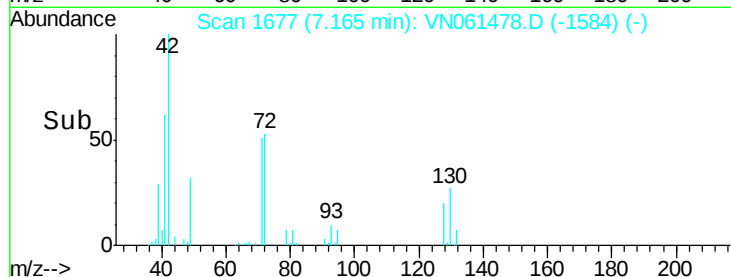
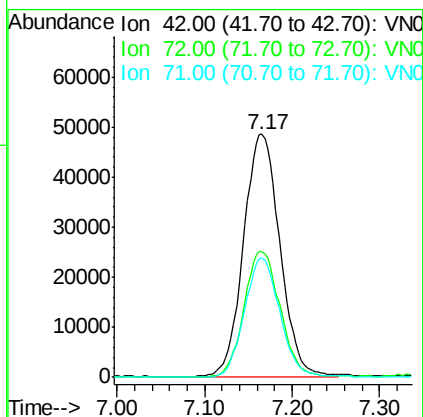
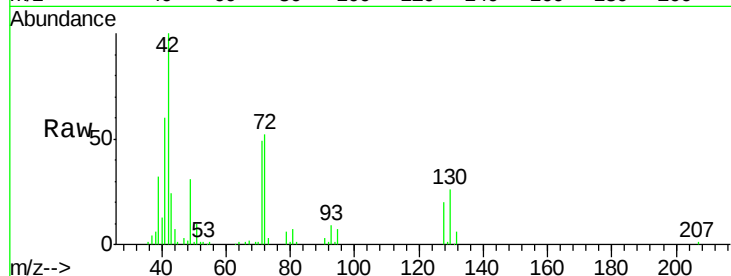




#29
Tetrahydrofuran
Concen: 103.542 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

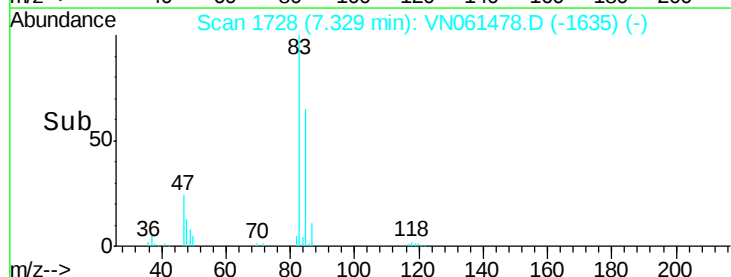
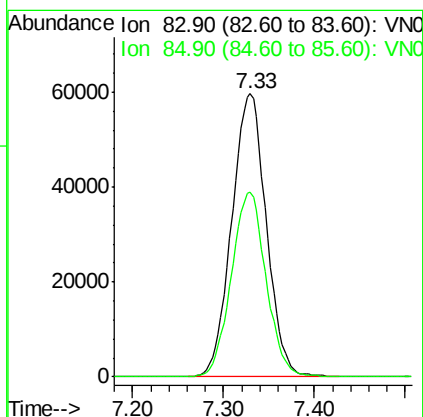
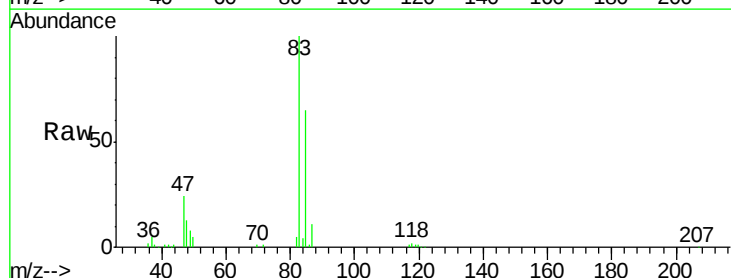
Instrument :
MSVOA_N
ClientSampled :

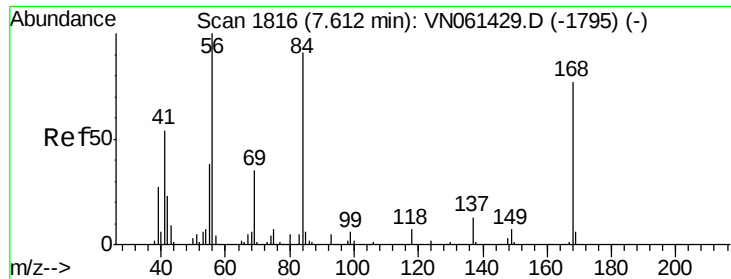
Tot Ion: 42 Resp: 141571
Ion Ratio Lower Upper
42 100
72 51.2 39.0 58.6
71 47.4 36.9 55.3



#30
Chloroform
Concen: 22.719 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 83 Resp: 157631
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.4

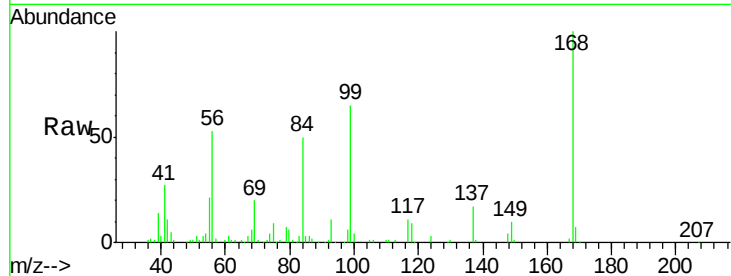




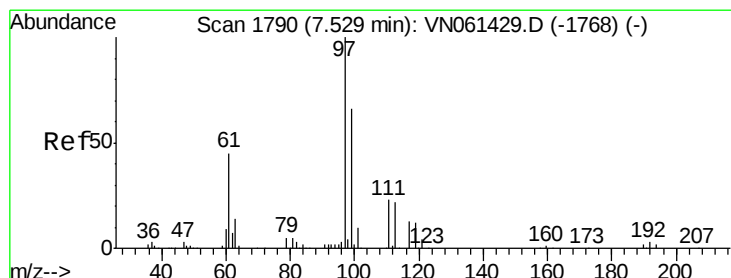
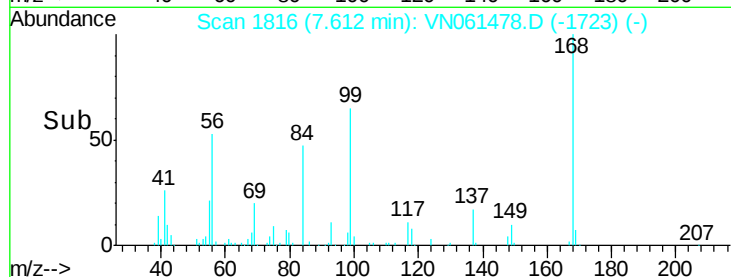
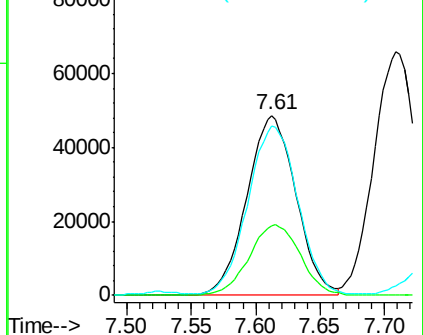
#31
Cyclohexane
Concen: 20.316 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 129118
Ion Ratio Lower Upper
56 100
69 38.5 27.8 41.6
84 92.8 72.7 109.1

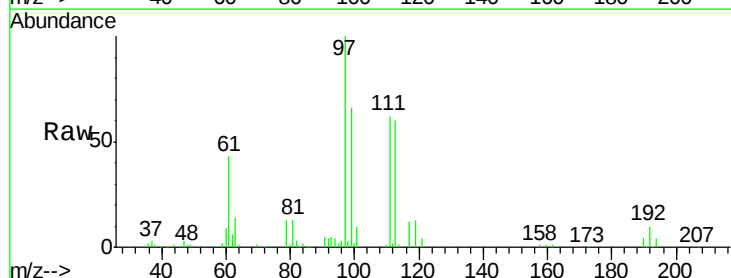


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

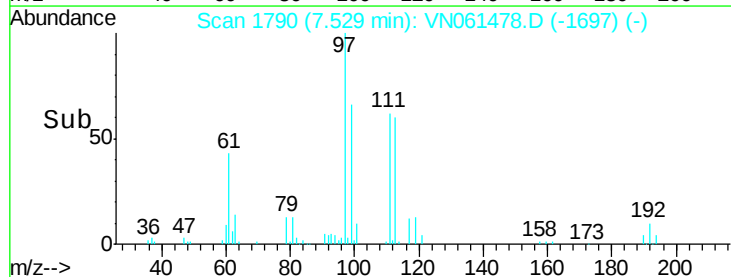
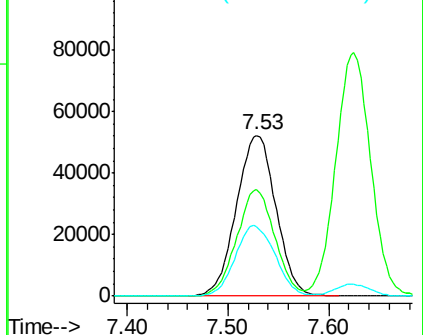


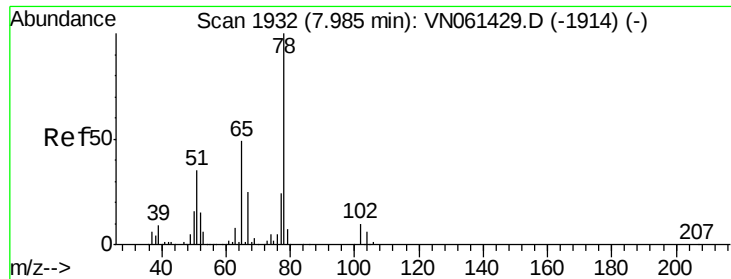
#32
1,1,1-Trichloroethane
Concen: 22.424 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 97 Resp: 142172
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 44.4 35.8 53.6



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

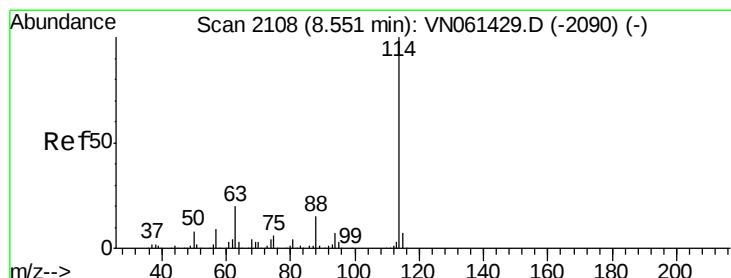
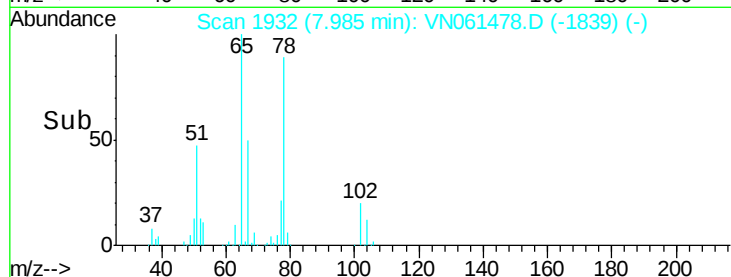
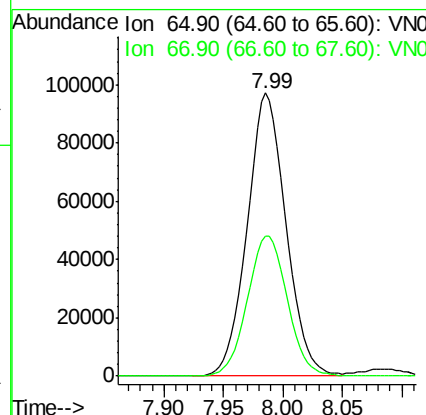
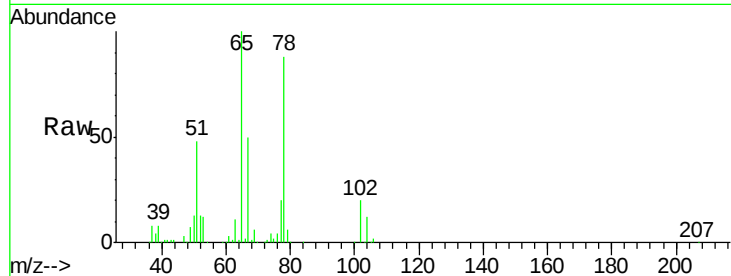




#33
 1,2-Dichloroethane-d4
 Concen: 48.349 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

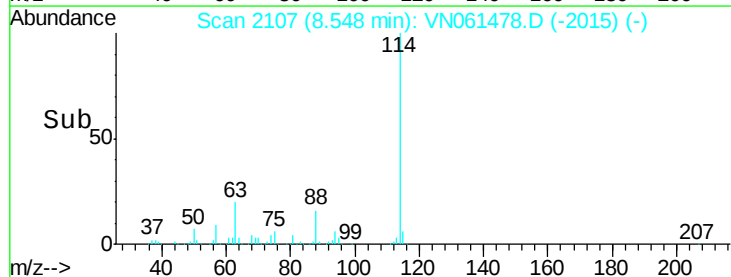
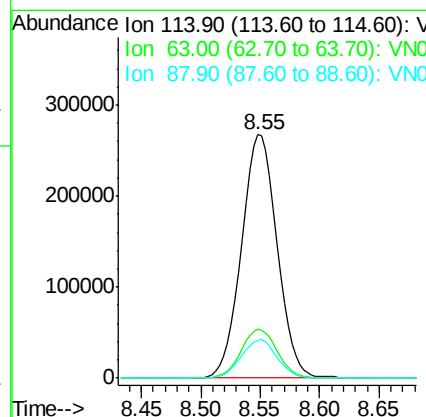
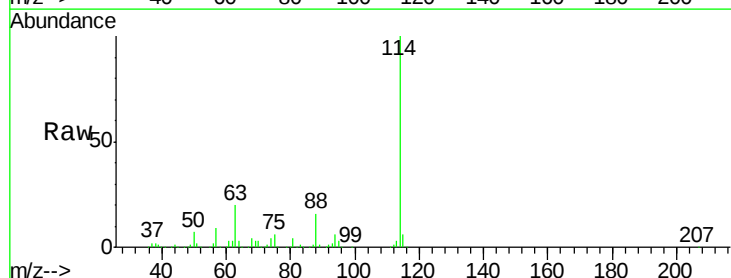
Instrument :
 MSVOA_N
 ClientSampled :

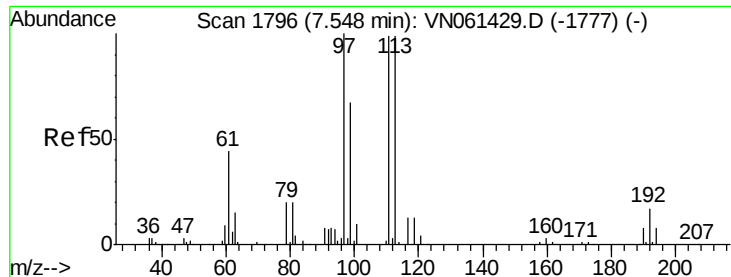
Tot Ion: 65 Resp: 219229
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 114 Resp: 554911
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.199 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :

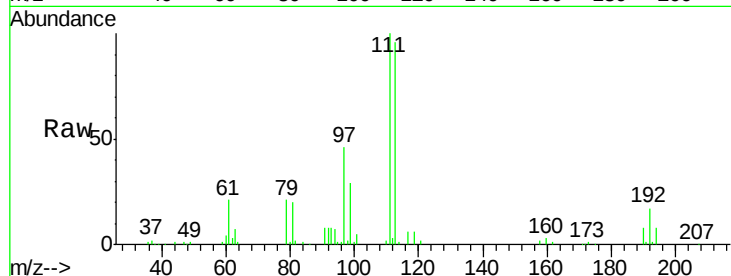
Tot Ion:113 Resp: 151743

Ion Ratio Lower Upper

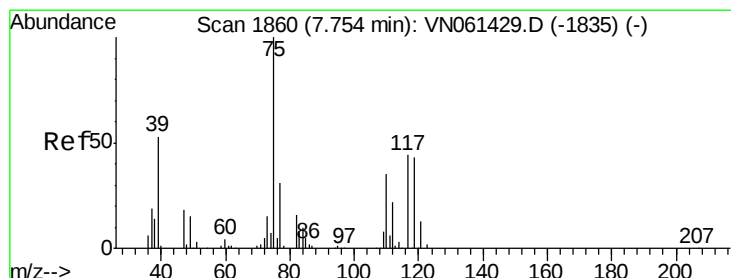
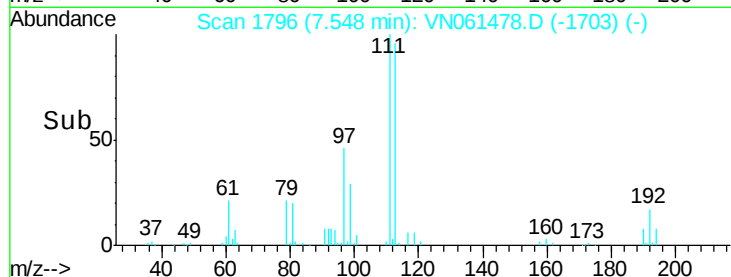
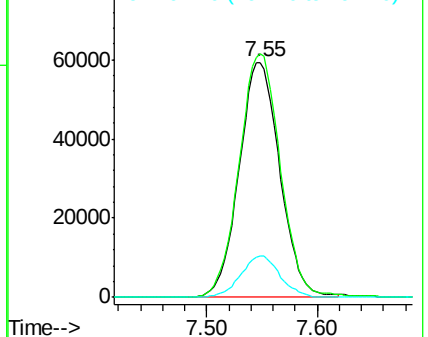
113 100

111 104.9 80.6 121.0

192 17.1 13.2 19.8



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: 21.905 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

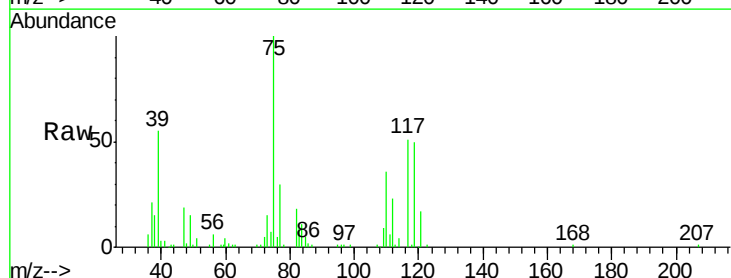
Tgt Ion: 75 Resp: 113659

Ion Ratio Lower Upper

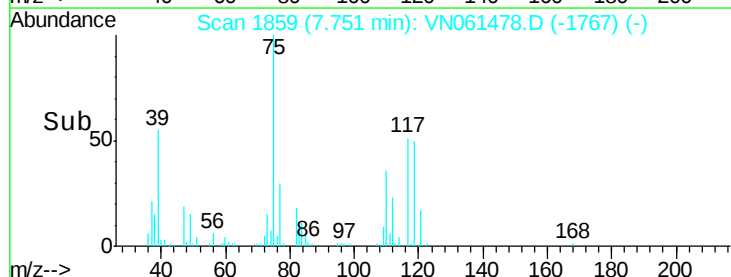
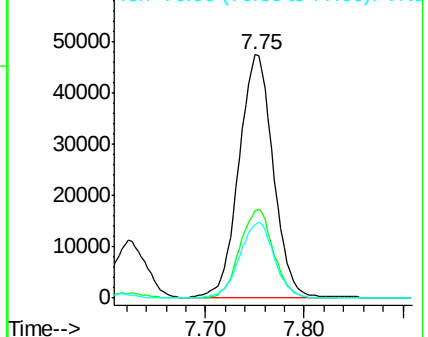
75 100

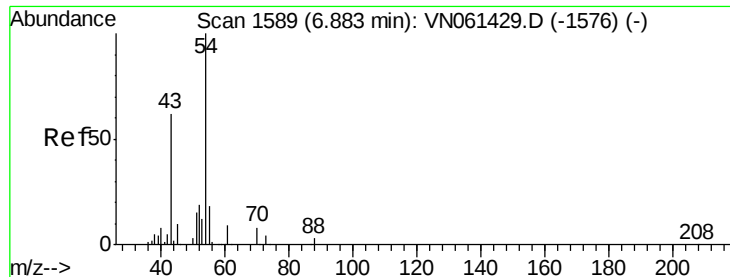
110 36.0 17.3 51.9

77 31.8 24.9 37.3



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

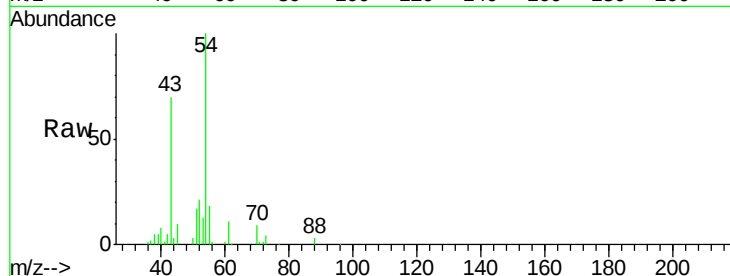




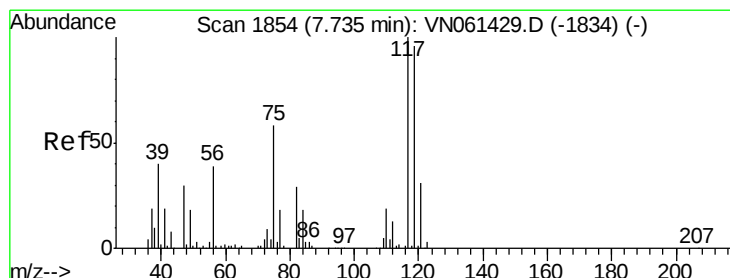
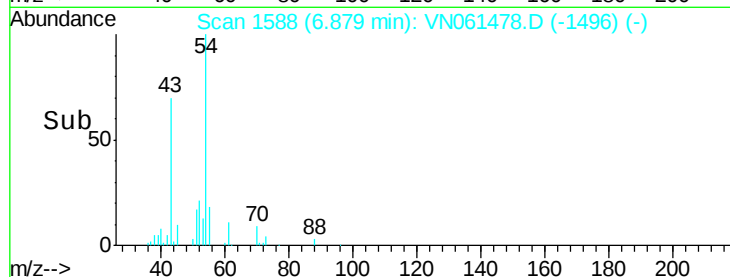
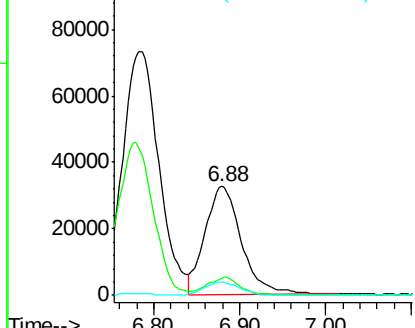
#37
Ethyl Acetate
Concen: 20.419 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 96085
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 11.8 9.2 13.8

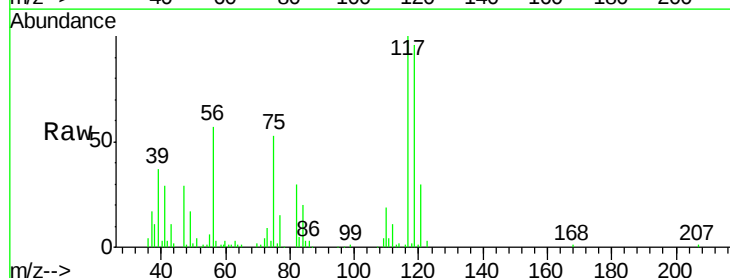


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

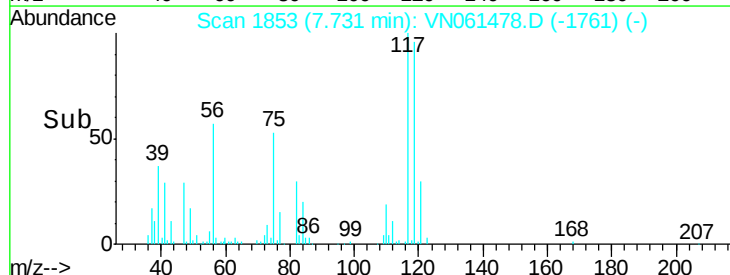
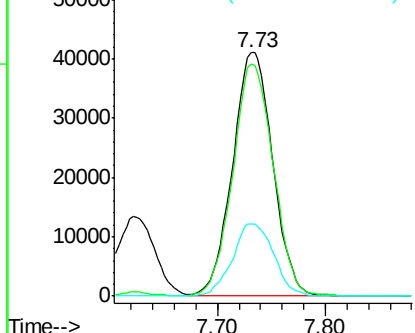


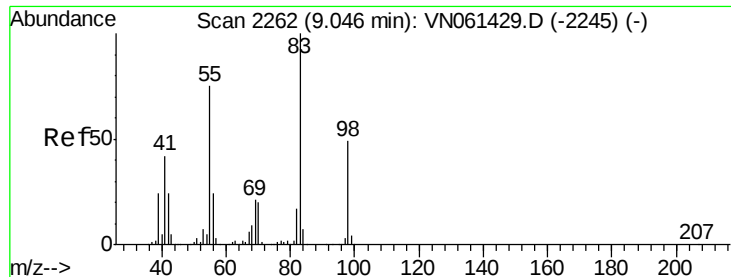
#38
Carbon Tetrachloride
Concen: 22.330 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 117 Resp: 106685
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6
121 29.9 24.7 37.1



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

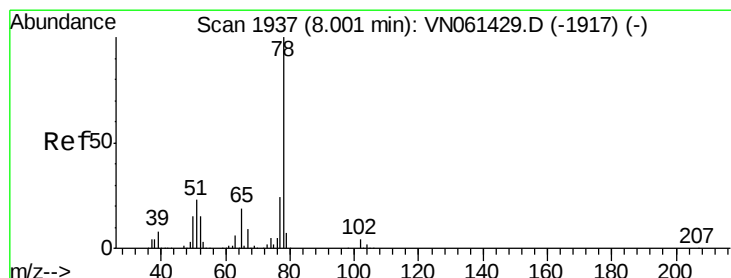
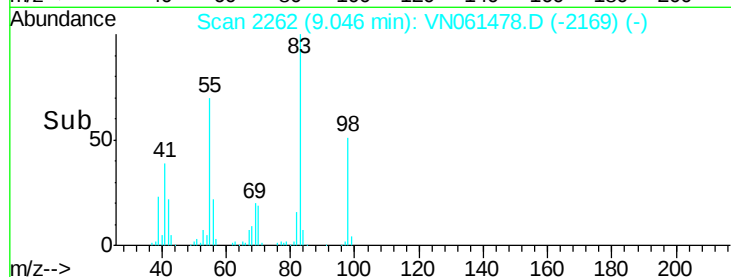
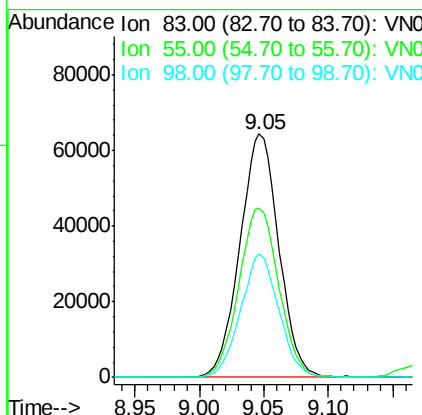
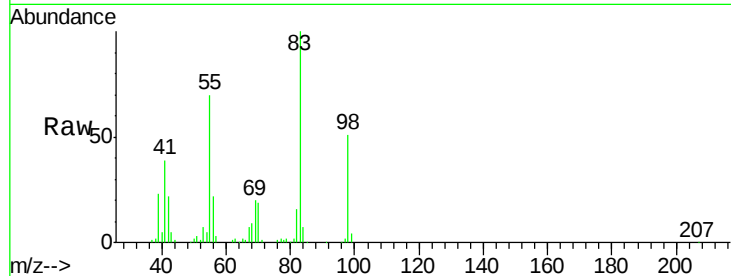




#39
Methvlcvclohexane
Concen: 21.345 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

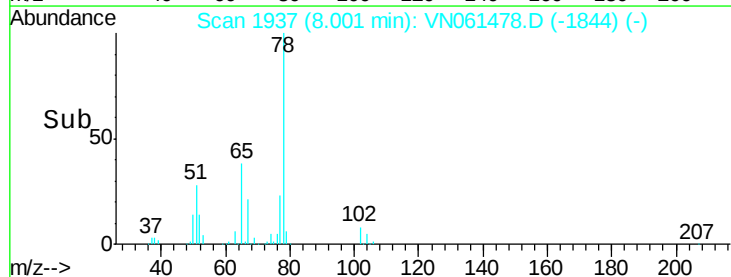
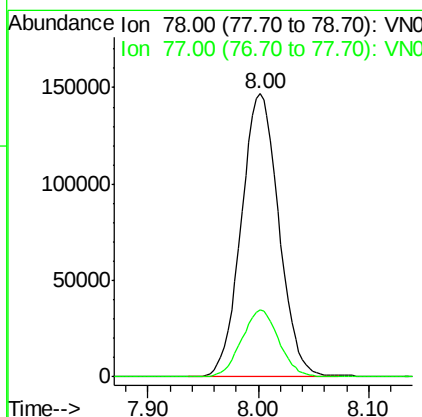
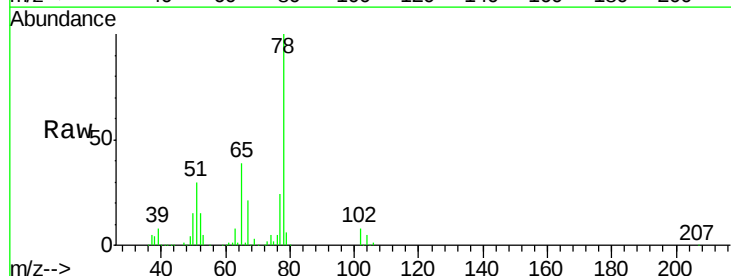
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 135271
Ion Ratio Lower Upper
83 100
55 69.7 59.7 89.5
98 50.6 38.9 58.3



#40
Benzene
Concen: 22.205 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 78 Resp: 347206
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

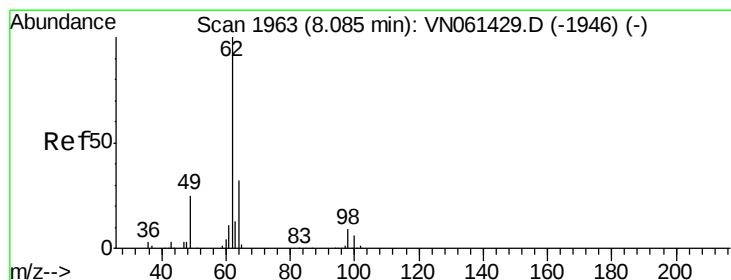
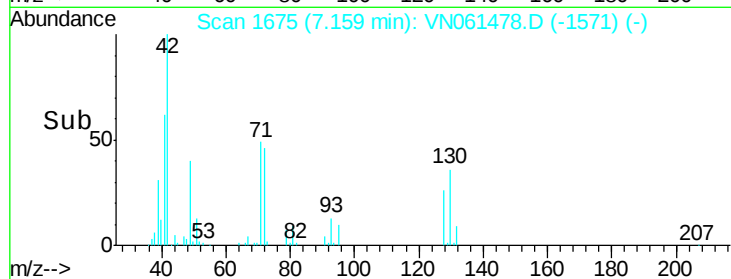
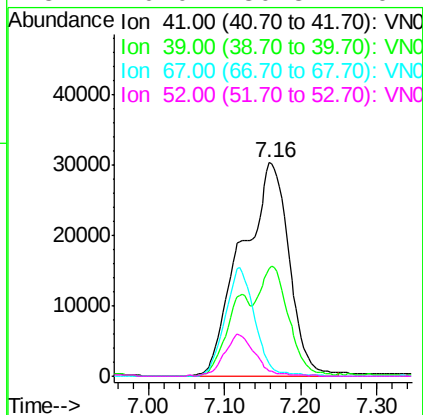
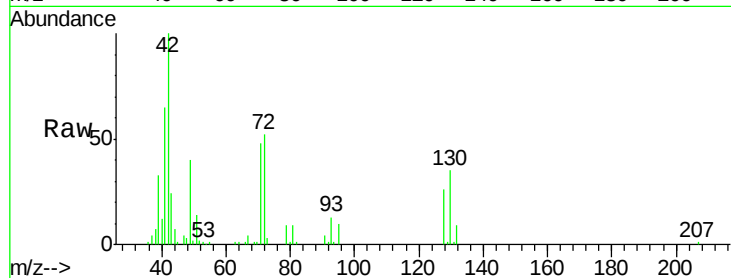




#41
Methacrylonitrile
Concen: 66.089 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.03 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

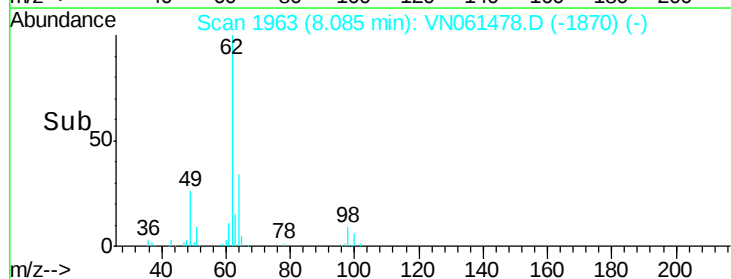
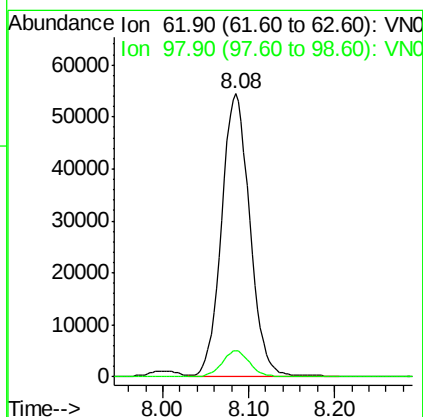
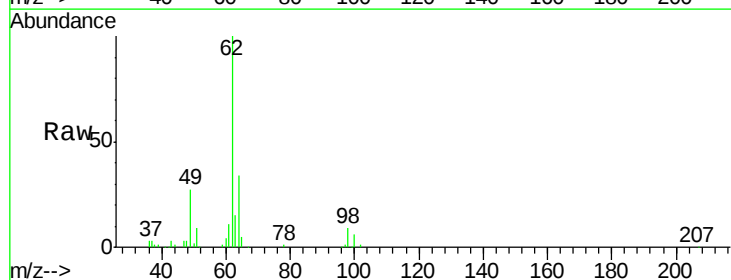
Instrument :
MSVOA_N
ClientSampleId :

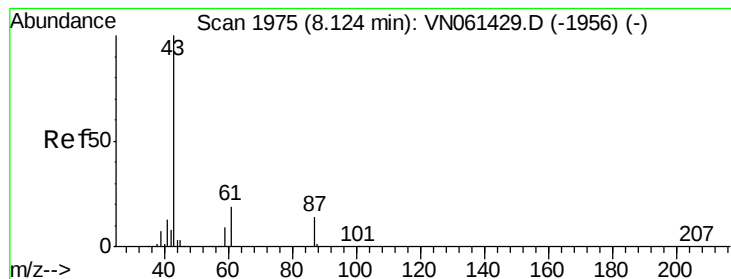
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#



#42
1,2-Dichloroethane
Concen: 22.173 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4



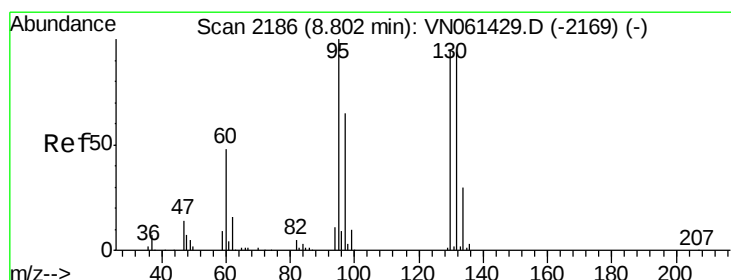
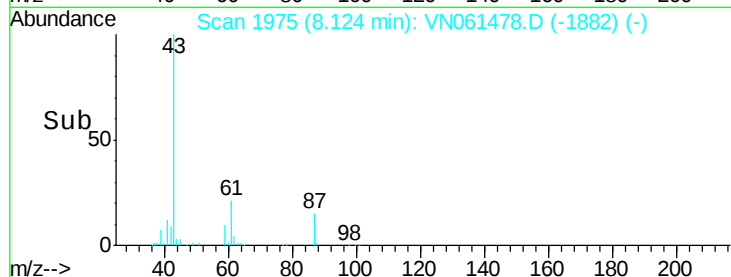
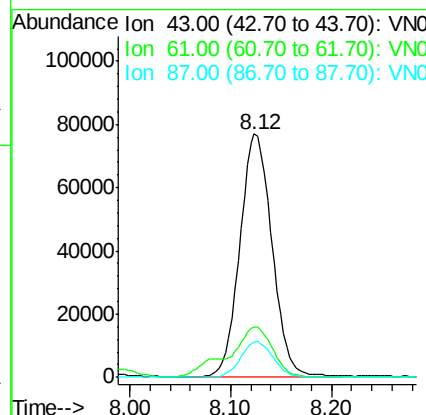
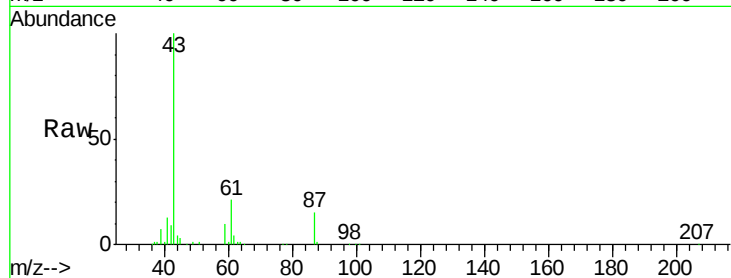


#43

Isopropyl Acetate
 Concen: 20.601 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :

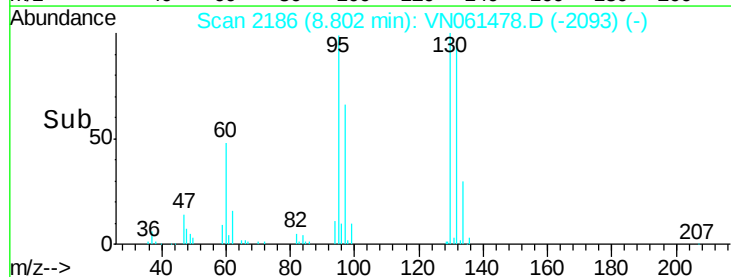
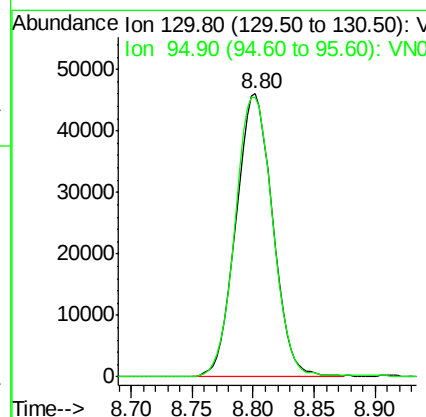
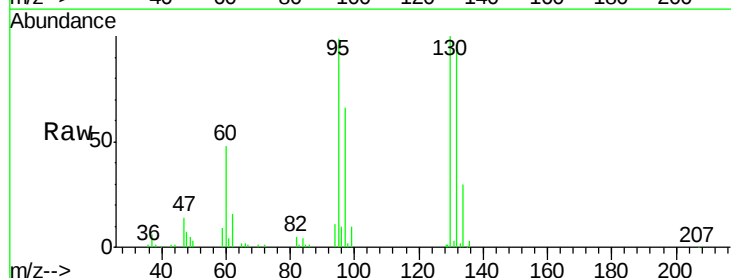
Tot Ion: 43 Resp: 169070
 Ion Ratio Lower Upper
 43 100
 61 22.6 23.0 34.4#
 87 14.8 11.6 17.4

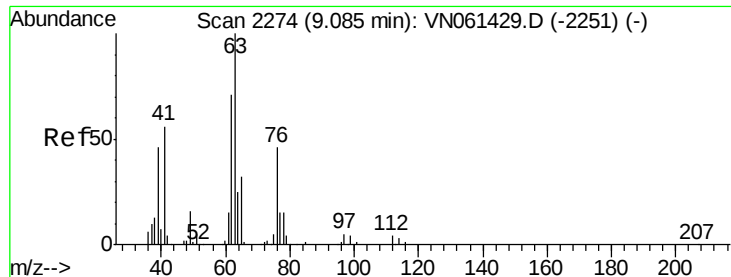


#44

Trichloroethene
 Concen: 23.454 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 130 Resp: 96096
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 209.8





#45

1,2-Dichloropropane

Concen: 22.340 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

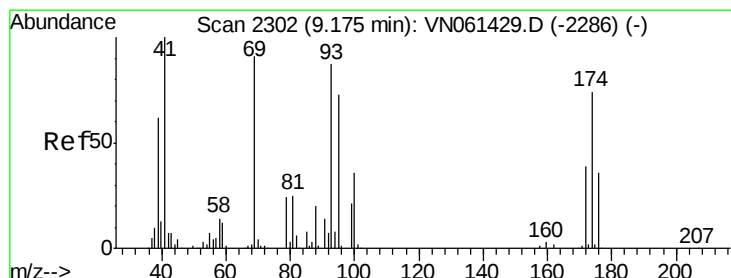
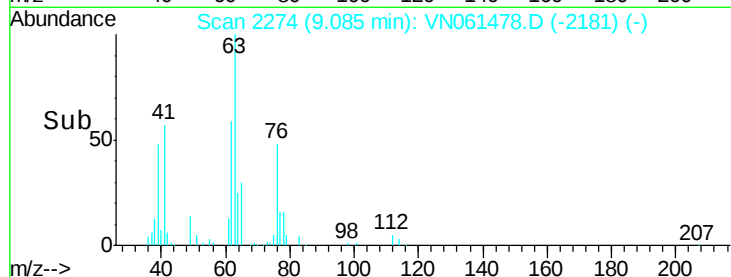
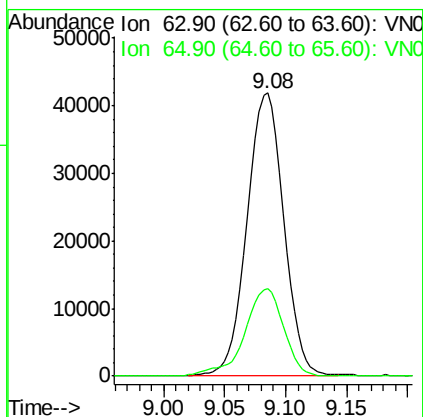
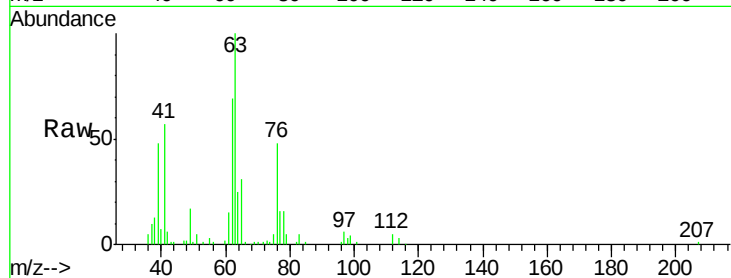
ClientSampled :

Tot Ion: 63 Resp: 87437

Ion Ratio Lower Upper

63 100

65 30.9 25.2 37.8



#46

Dibromomethane

Concen: 22.208 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

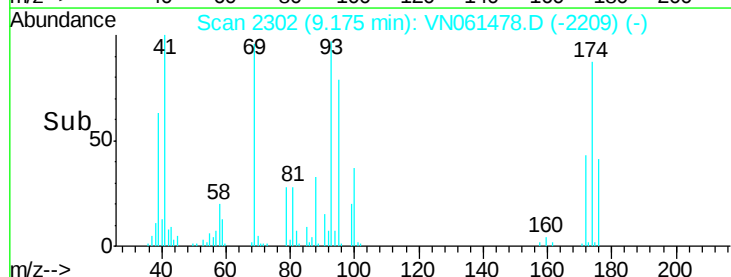
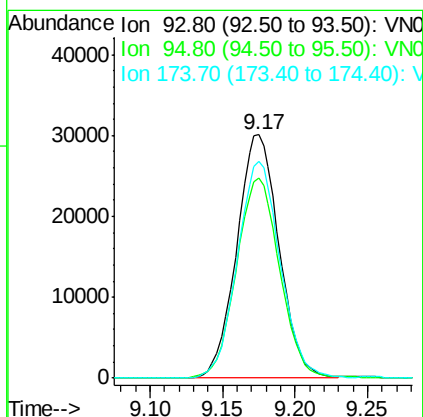
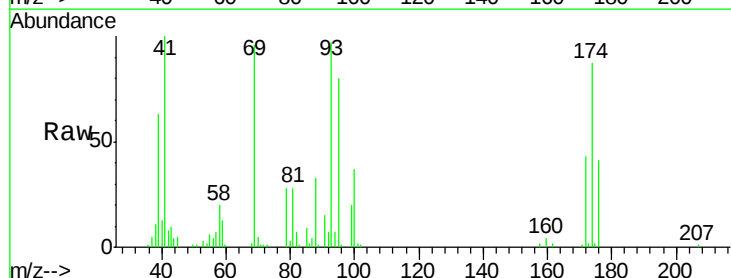
Tgt Ion: 93 Resp: 60934

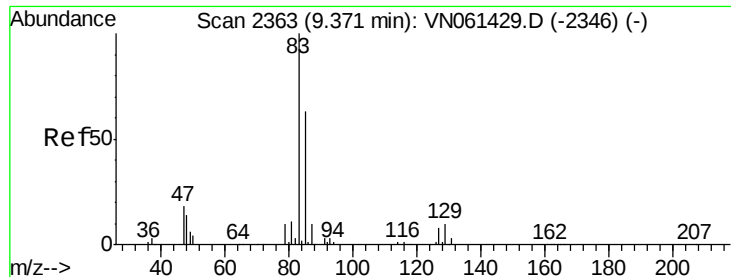
Ion Ratio Lower Upper

93 100

95 83.9 65.6 98.4

174 90.0 68.0 102.0





#47

Bromodichloromethane

Concen: 22.141 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

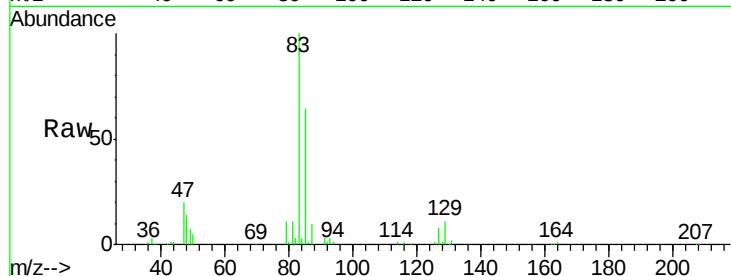
Tot Ion: 83 Resp: 127995

Ion Ratio Lower Upper

83 100

85 63.8 50.6 76.0

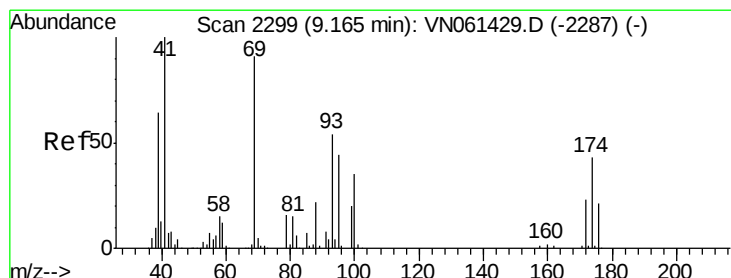
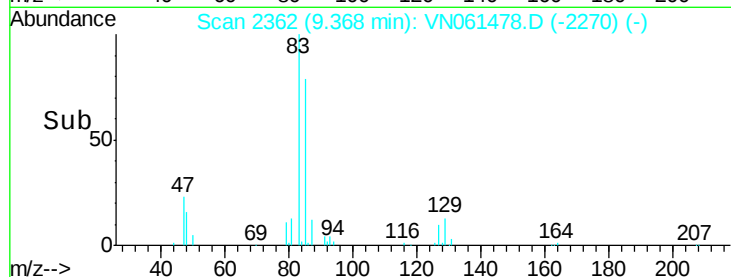
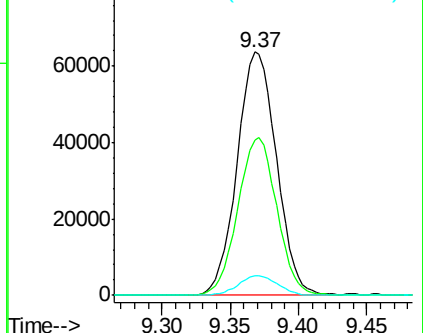
127 8.2 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061478.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061478.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061478.D (-2270) (-)



#48

Methyl methacrylate

Concen: 20.082 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

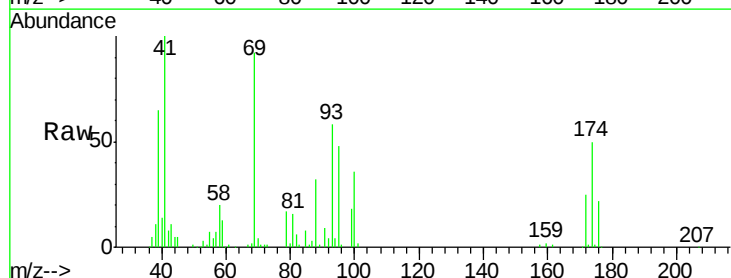
Tgt Ion: 41 Resp: 76138

Ion Ratio Lower Upper

41 100

69 96.3 75.3 112.9

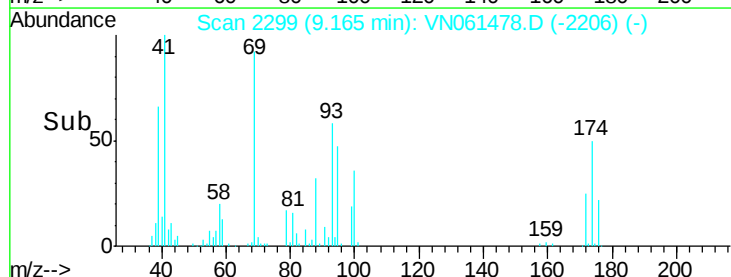
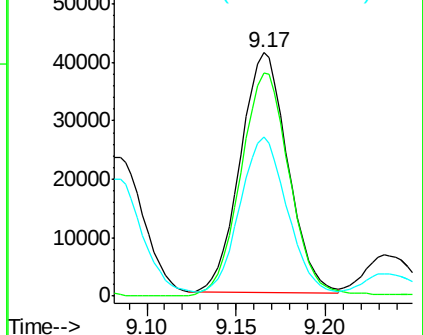
39 67.1 52.6 79.0

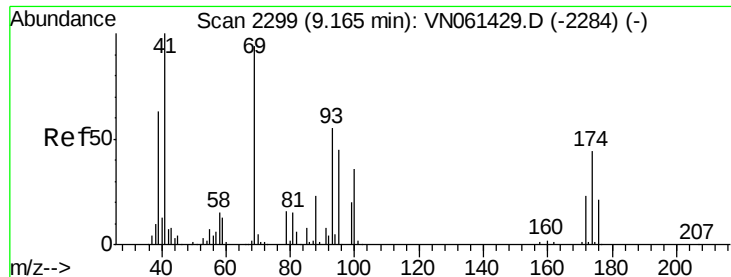


Abundance Ion 41.00 (40.70 to 41.70): VN061478.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061478.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061478.D (-2206) (-)

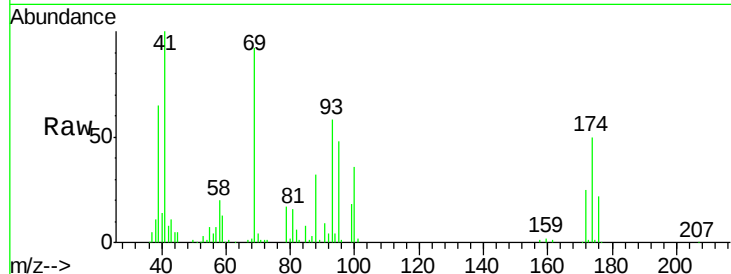




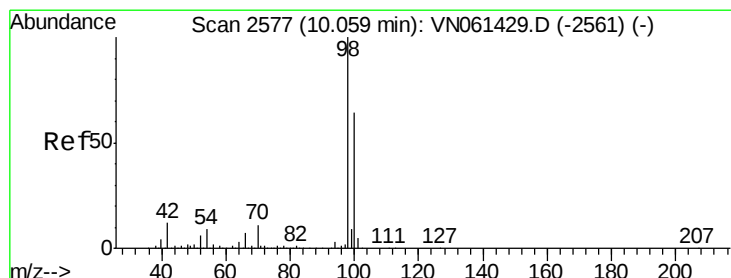
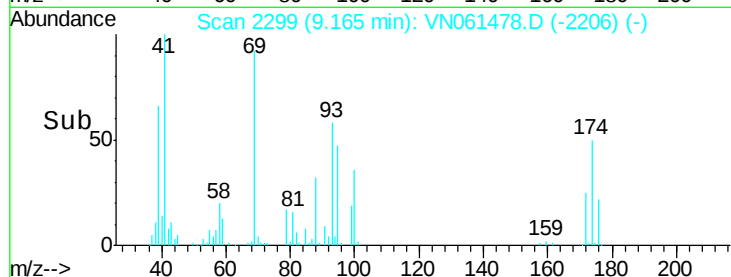
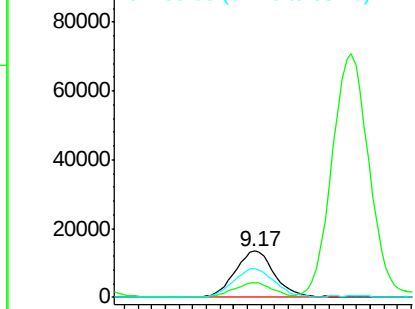
#49
1,4-Dioxane
Concen: 666.278 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 27071
Ion Ratio Lower Upper
88 100
43 32.3 26.3 39.5
58 64.0 54.1 81.1

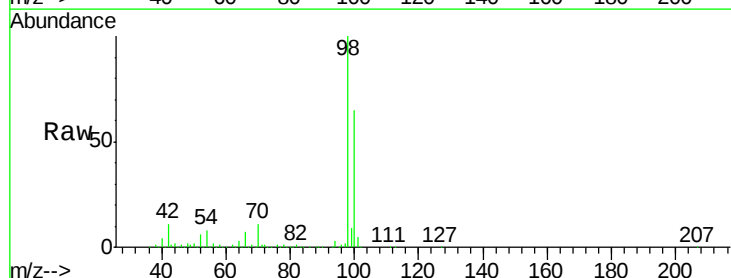


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

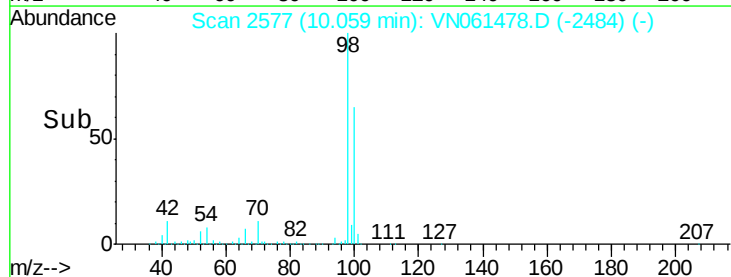
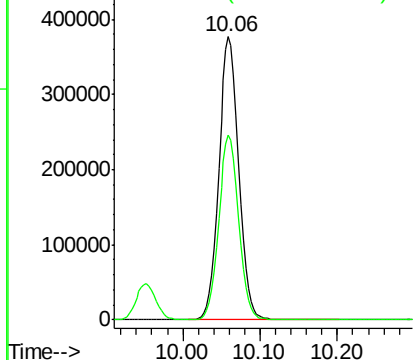


#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 98 Resp: 676396
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.8



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: 106.911 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

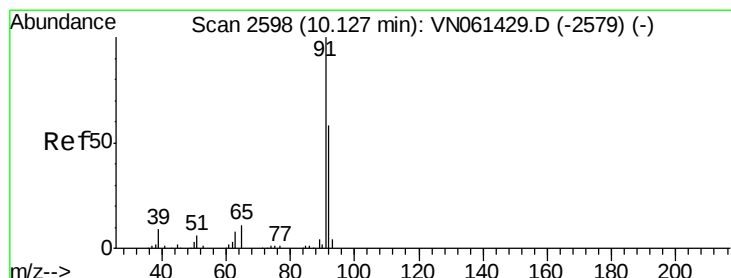
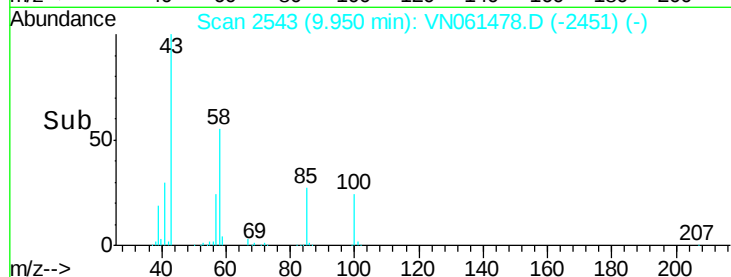
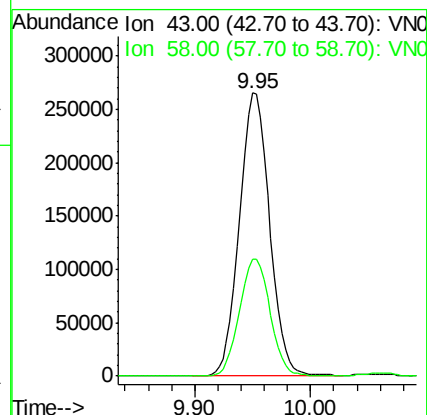
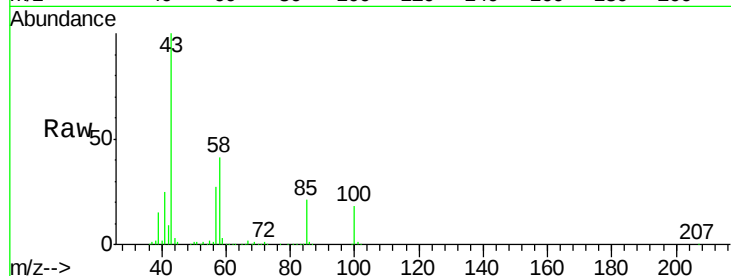
ClientSampled :

Tot Ion: 43 Resp: 477980

Ion Ratio Lower Upper

43 100

58 42.2 33.4 50.2



#52

Toluene

Concen: 23.075 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061478.D

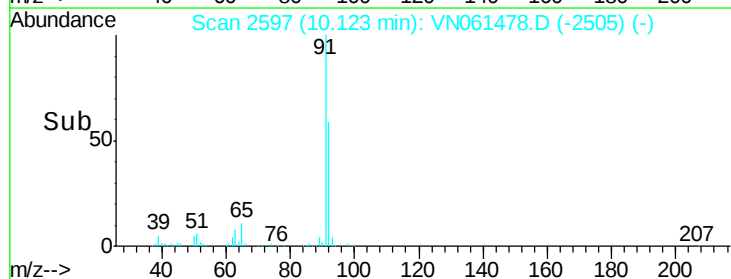
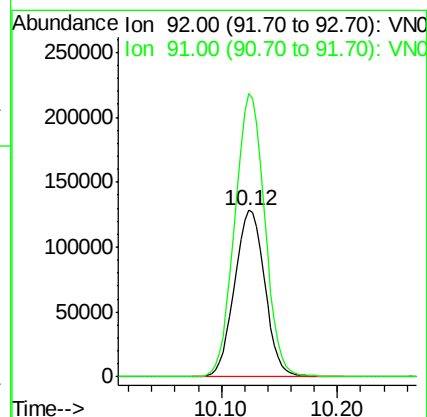
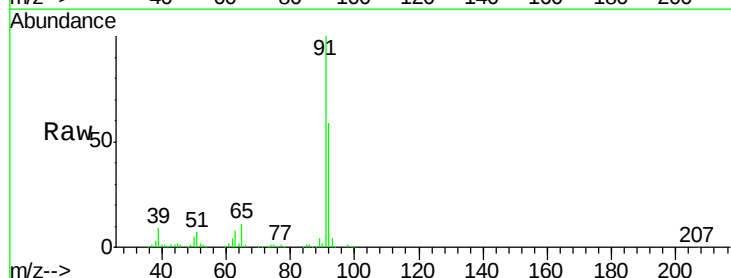
Acq: 19 May 2020 12:52

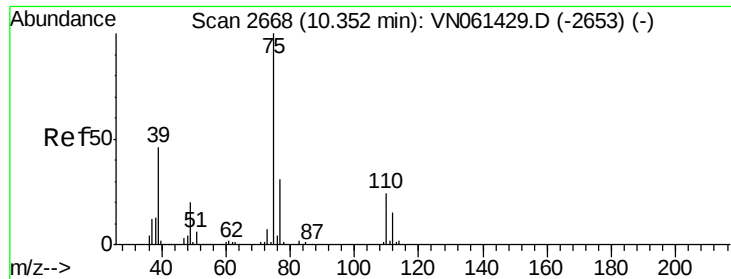
Tgt Ion: 92 Resp: 231644

Ion Ratio Lower Upper

92 100

91 168.7 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 22.107 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

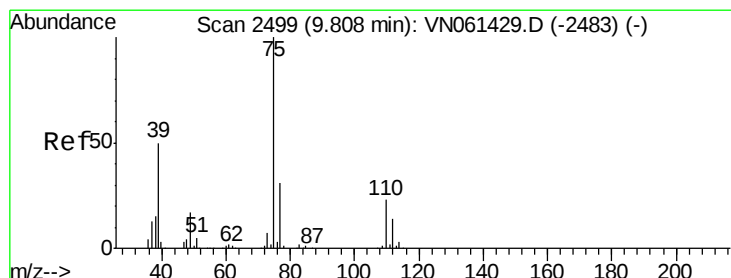
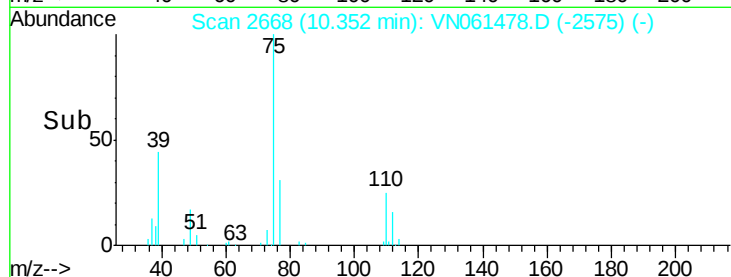
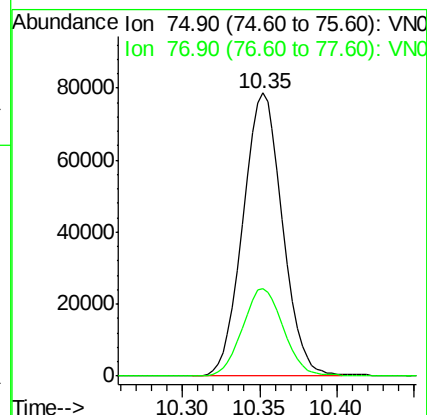
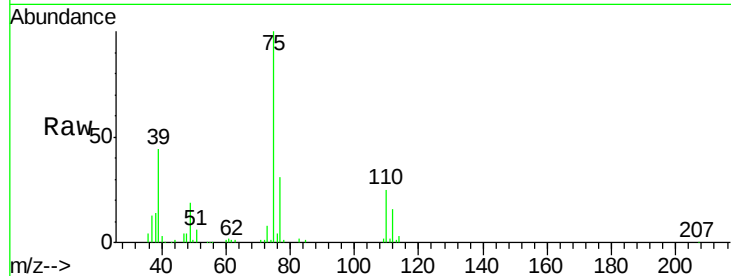
ClientSampleId :

Tot Ion: 75 Resp: 140074

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 22.172 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

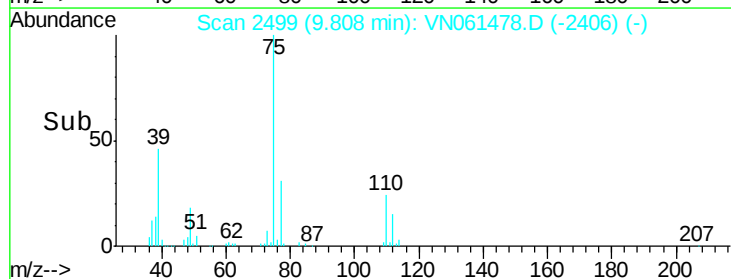
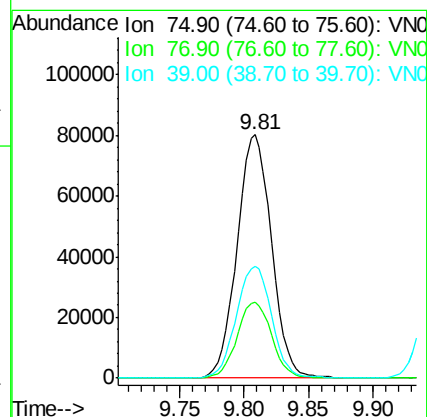
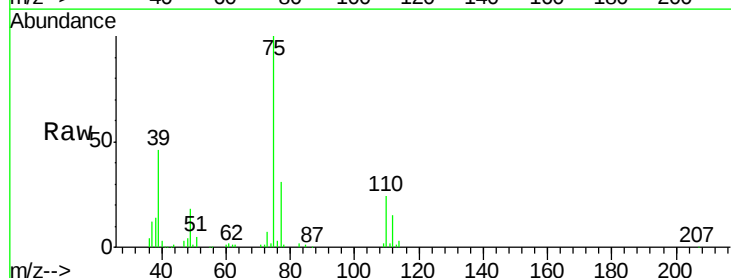
Tgt Ion: 75 Resp: 149339

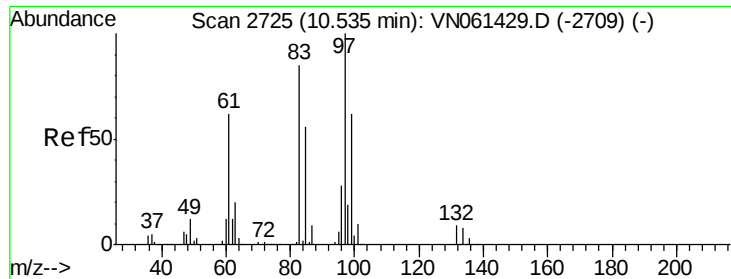
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 46.1 39.8 59.6

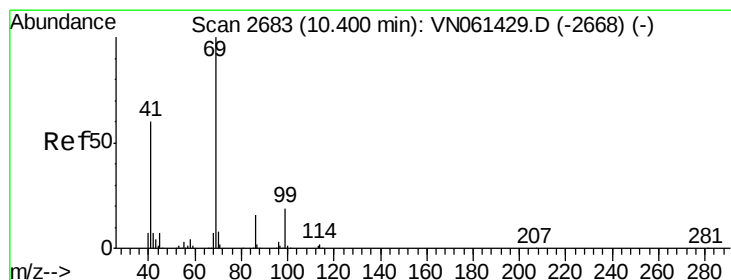
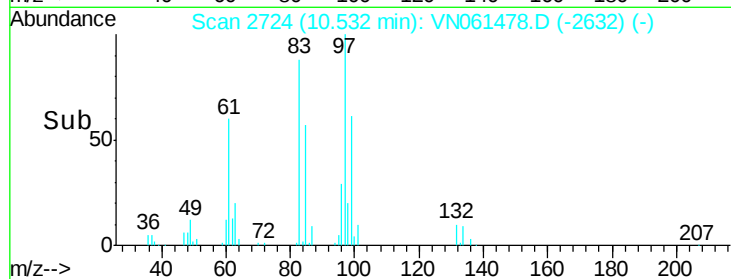
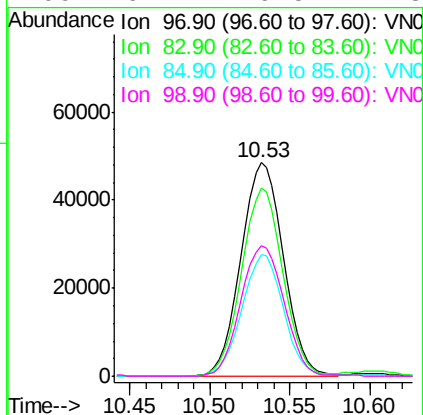
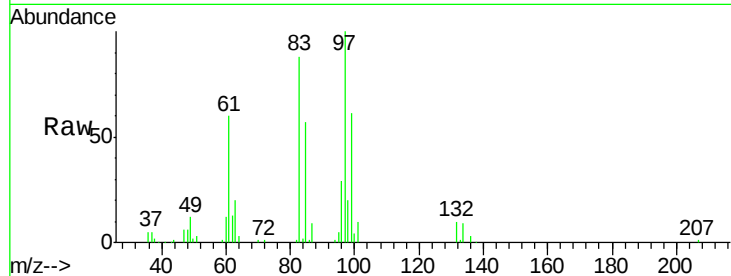




#55
 1,1,2-Trichloroethane
 Concen: 23.185 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

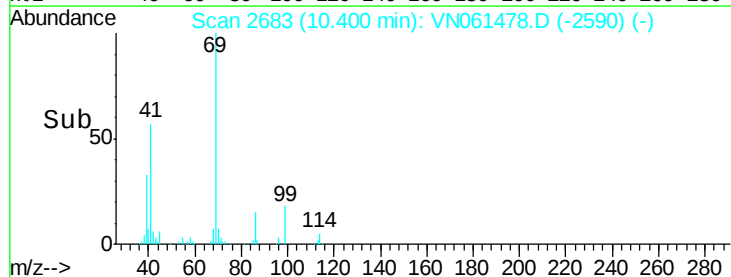
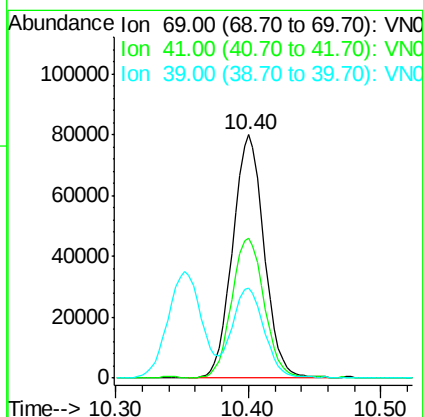
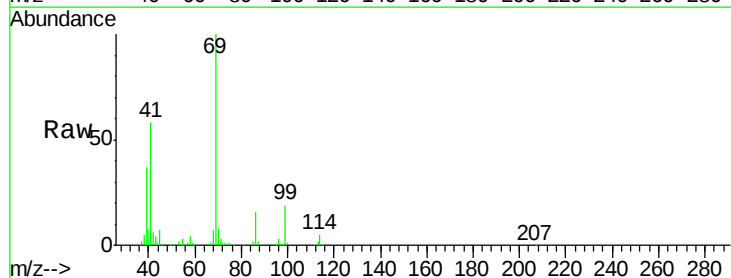
Instrument :
 MSVOA_N
 ClientSampleId :

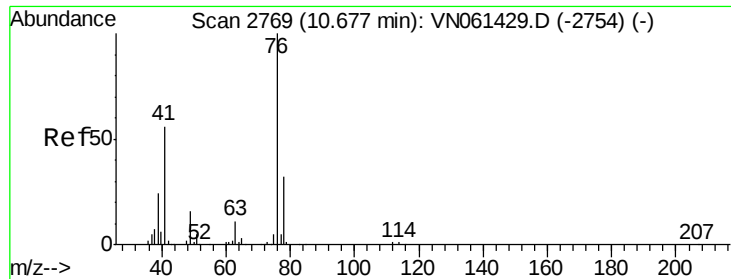
Tot Ion:	97	Resp:	87996
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.2	102.4
85	57.0	44.6	67.0
99	61.1	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 22.305 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion:	69	Resp:	132351
Ion	Ratio	Lower	Upper
69	100		
41	58.4	48.3	72.5
39	36.8	30.2	45.2





#57

1,3-Dichloropropane

Concen: 22.415 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

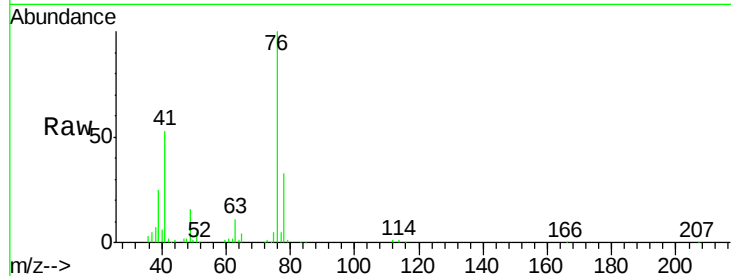
ClientSampled :

Tot Ion: 76 Resp: 147023

Ion Ratio Lower Upper

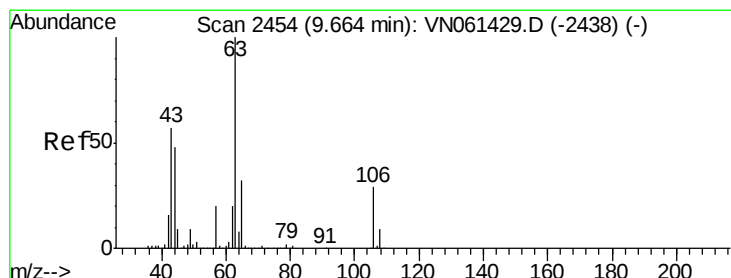
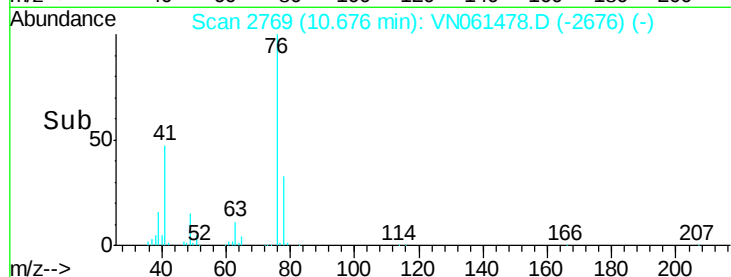
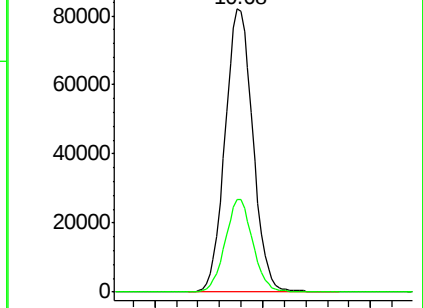
76 100

78 32.6 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-2754) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-2754) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 98.651 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061478.D

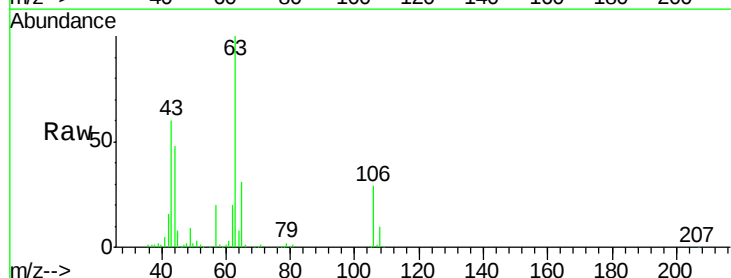
Acq: 19 May 2020 12:52

Tgt Ion: 63 Resp: 256934

Ion Ratio Lower Upper

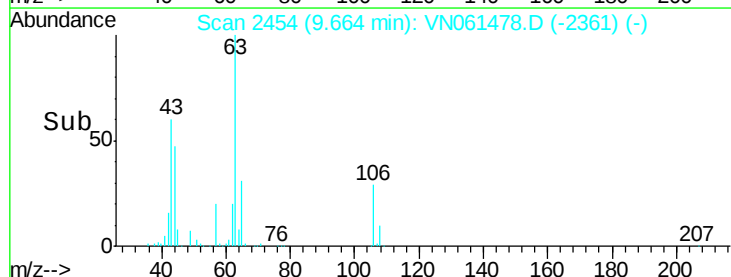
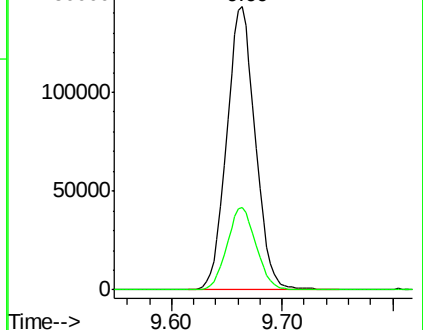
63 100

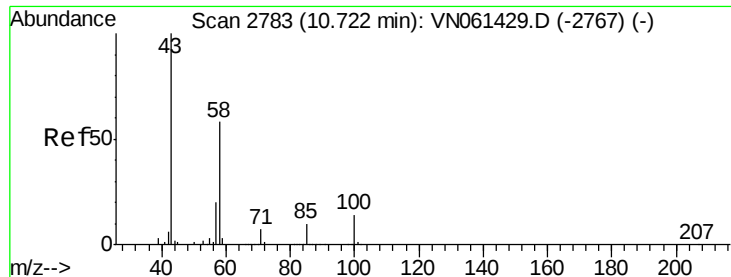
106 29.6 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN061429.D (-2438) (-)

Ion 105.90 (105.60 to 106.60): VN061429.D (-2438) (-)





#59

2-Hexanone

Concen: 105.365 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

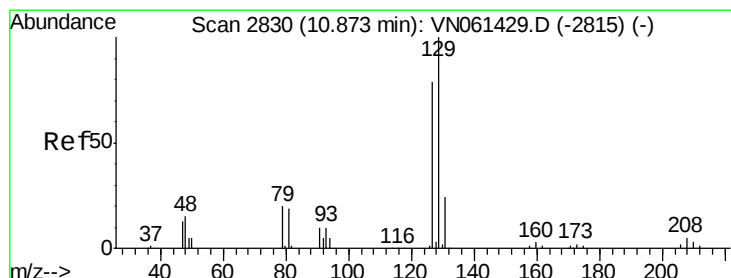
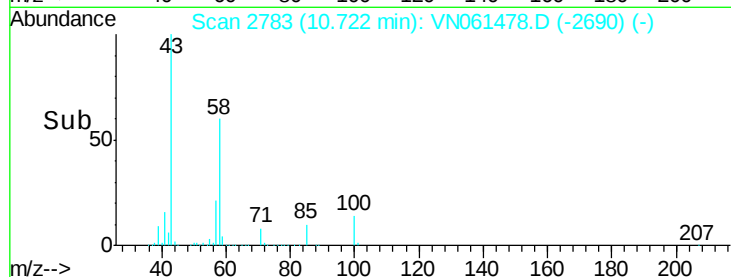
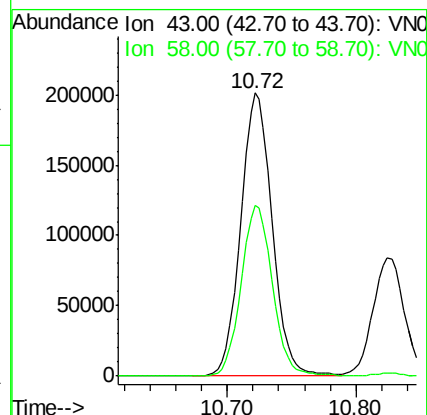
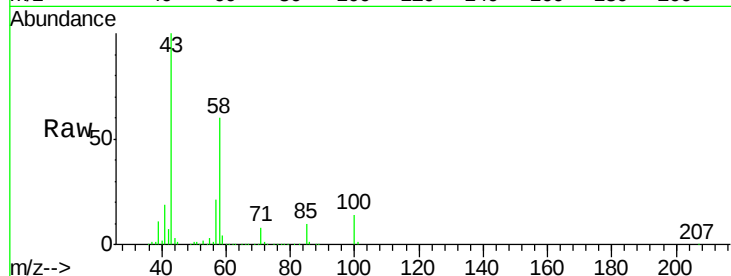
ClientSampled :

Tot Ion: 43 Resp: 340812

Ion Ratio Lower Upper

43 100

58 60.3 29.2 87.6



#60

Dibromochloromethane

Concen: 22.245 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061478.D

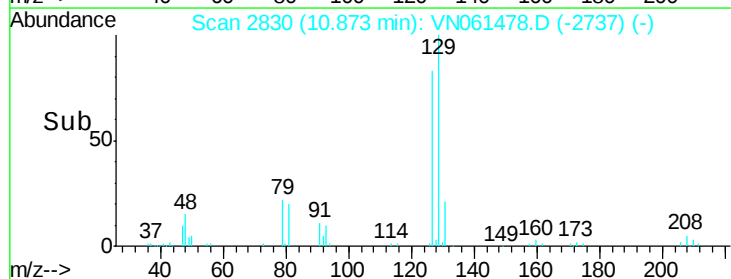
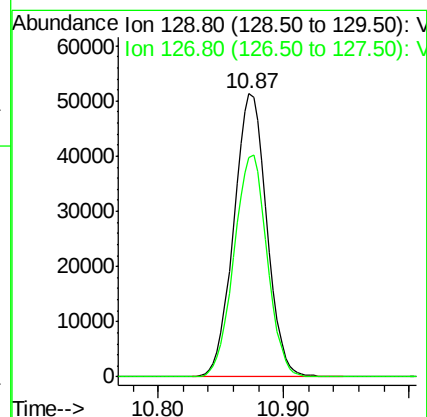
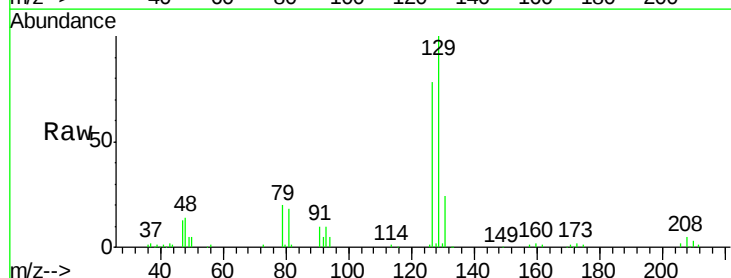
Acq: 19 May 2020 12:52

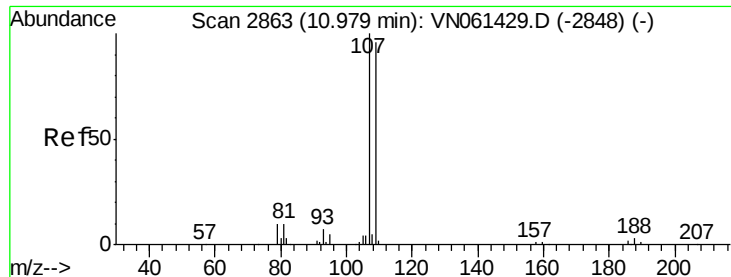
Tgt Ion: 129 Resp: 93392

Ion Ratio Lower Upper

129 100

127 78.9 38.8 116.3

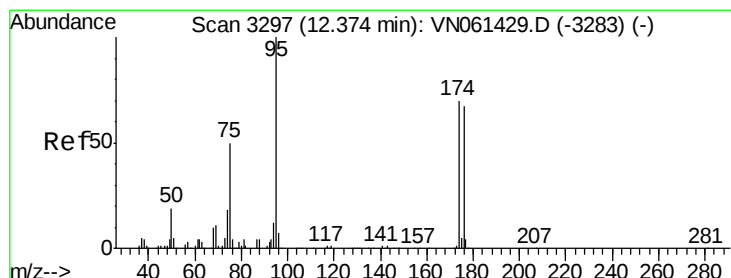
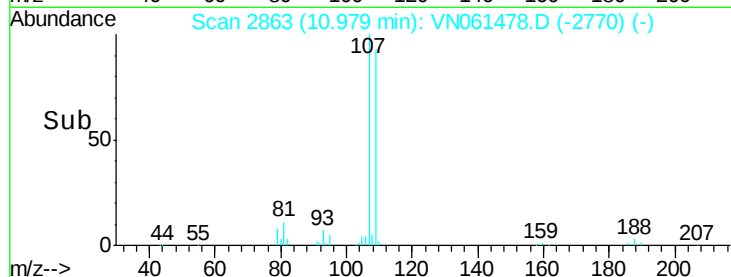
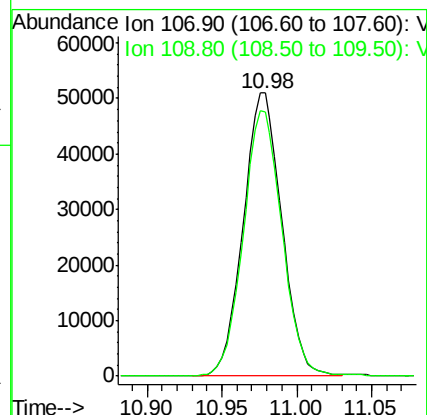
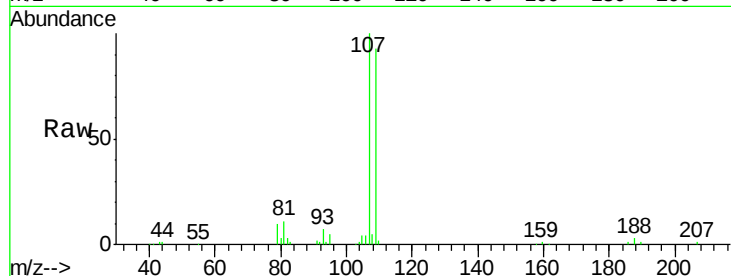




#61
 1,2-Dibromoethane
 Concen: 22.864 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

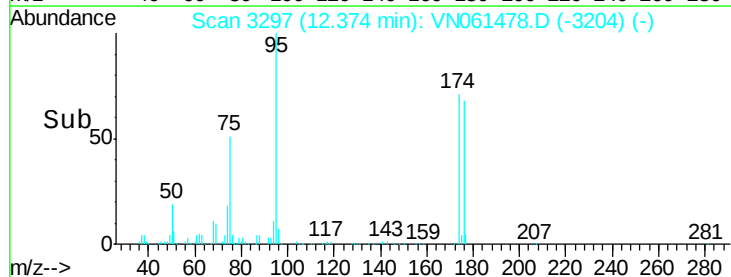
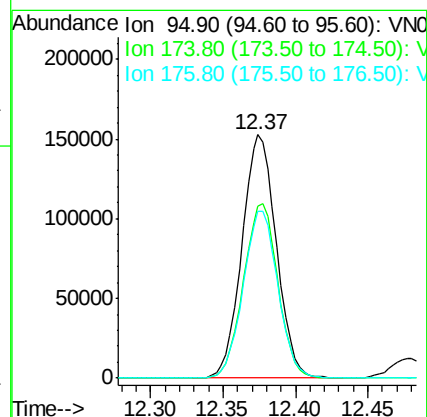
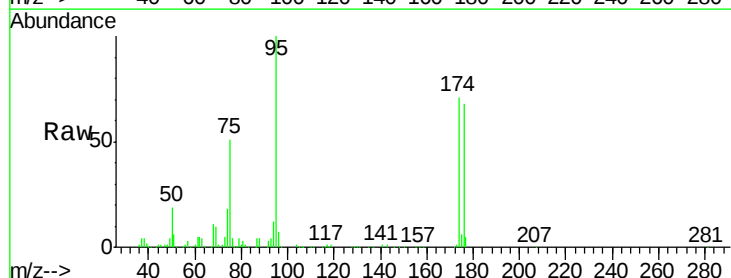
Instrument :
 MSVOA_N
 ClientSampled :

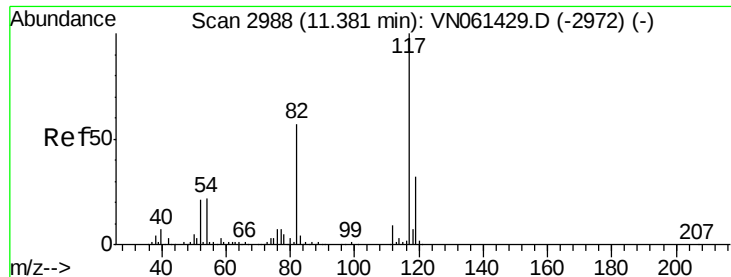
Tot Ion:107 Resp: 91239
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.827 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 95 Resp: 251003
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 141.2
 176 69.6 0.0 137.6

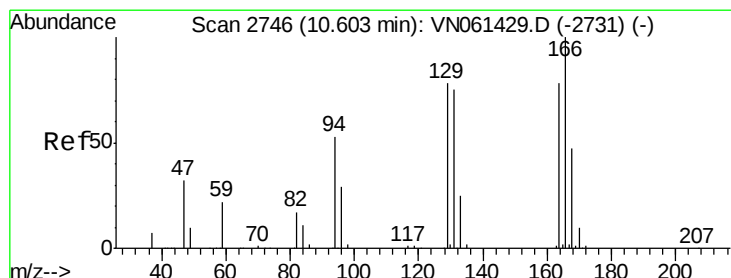
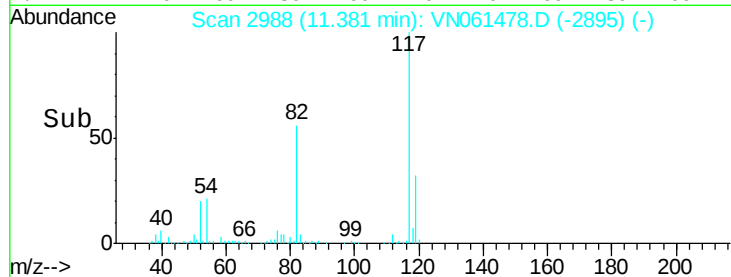
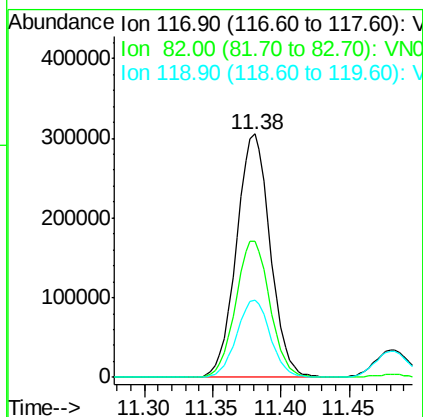
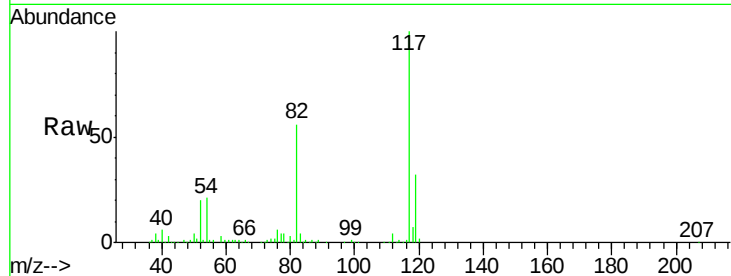




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

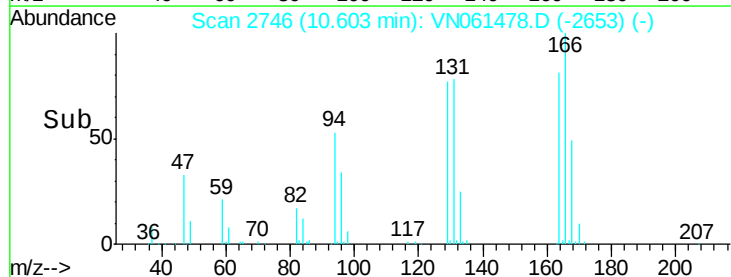
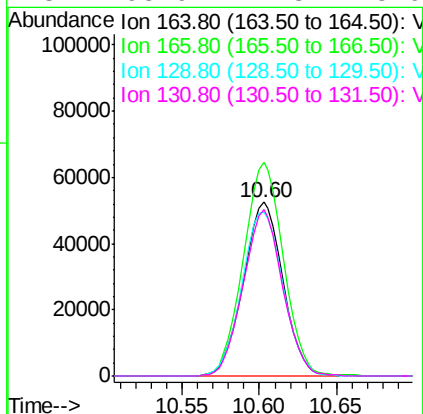
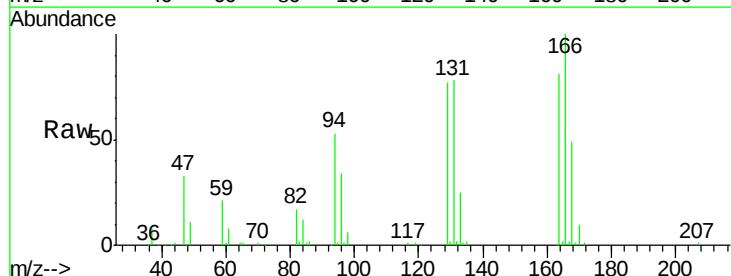
Instrument :
MSVOA_N
ClientSampleId :

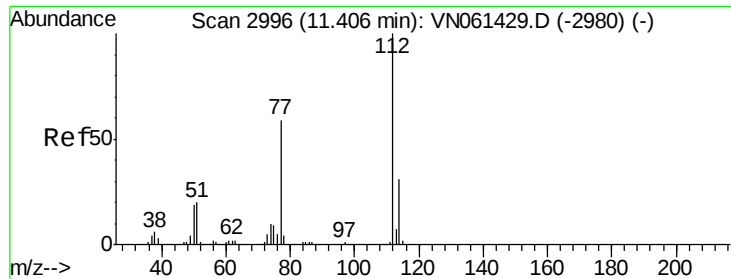
Tot Ion:117 Resp: 524180
Ion Ratio Lower Upper
117 100
82 56.0 45.2 67.8
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 23.027 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion:164 Resp: 93380
Ion Ratio Lower Upper
164 100
166 123.1 103.2 154.8
129 94.8 81.0 121.4
131 95.9 77.3 115.9





#65

Chlorobenzene

Concen: 22.268 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

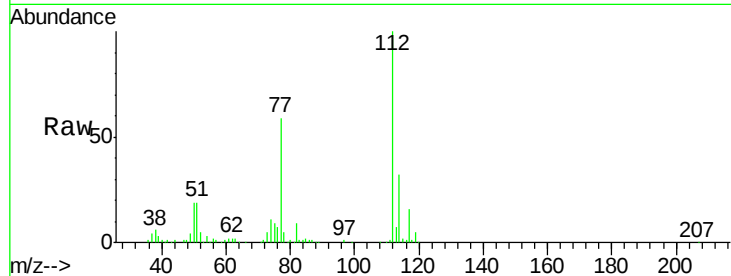
ClientSampleId :

Tot Ion:112 Resp: 238033

Ion Ratio Lower Upper

112 100

114 32.1 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

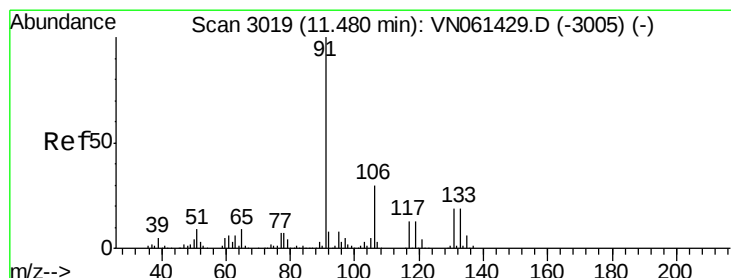
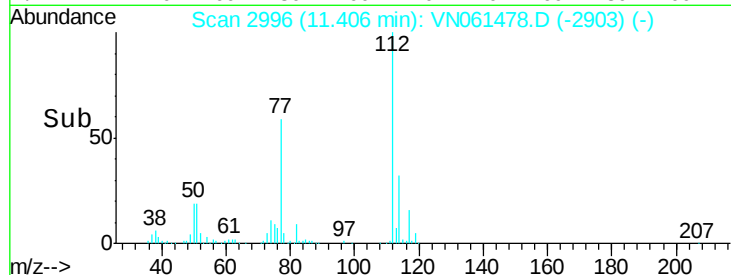
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 22.907 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

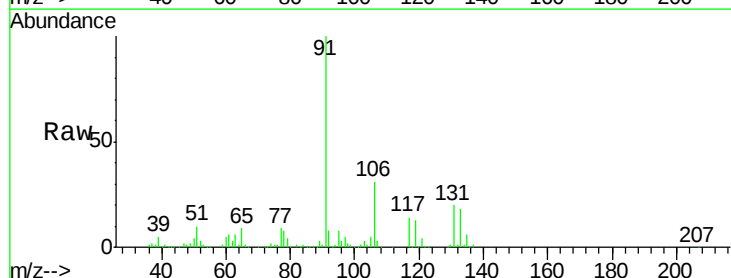
Tgt Ion:131 Resp: 87782

Ion Ratio Lower Upper

131 100

133 93.7 48.7 146.1

119 65.7 33.8 101.3



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

11.48

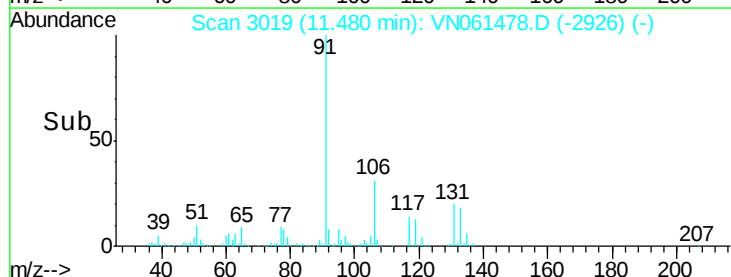
60000

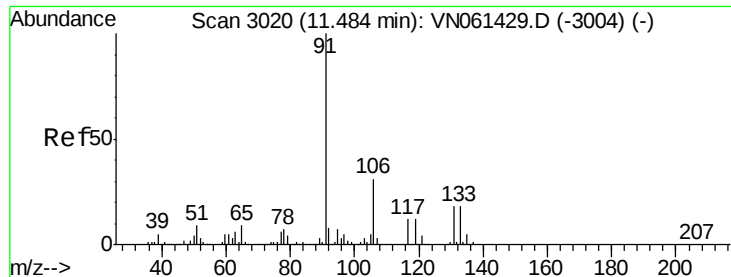
40000

20000

0

Time--> 11.40 11.45 11.50 11.55

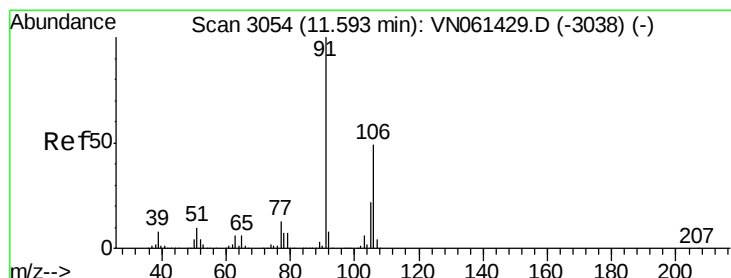
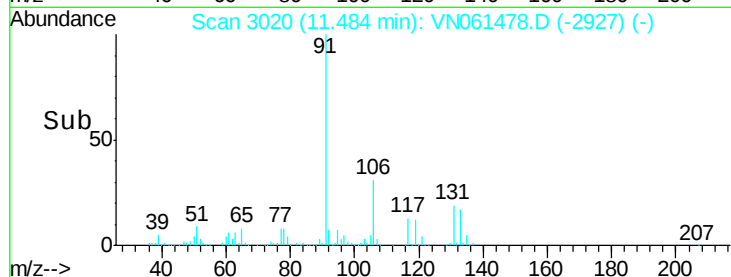
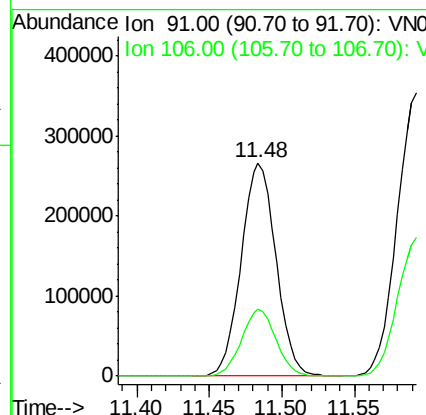
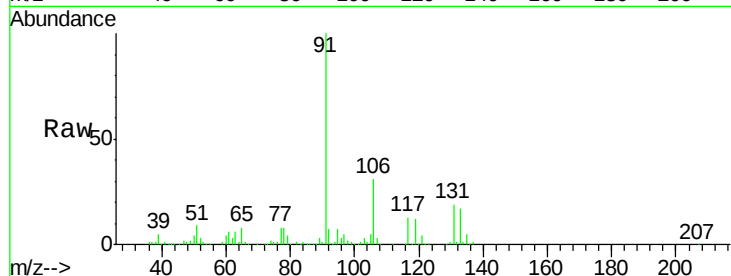




#67
Ethyl Benzene
Concen: 22.788 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

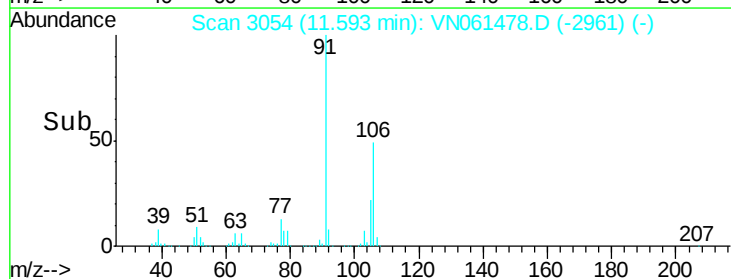
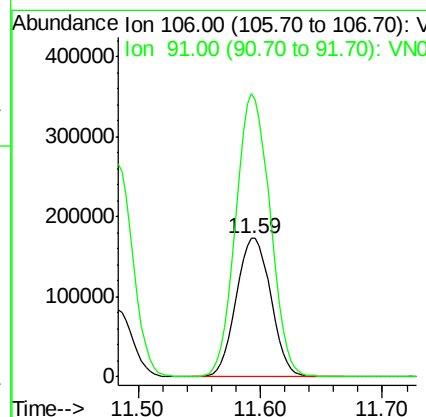
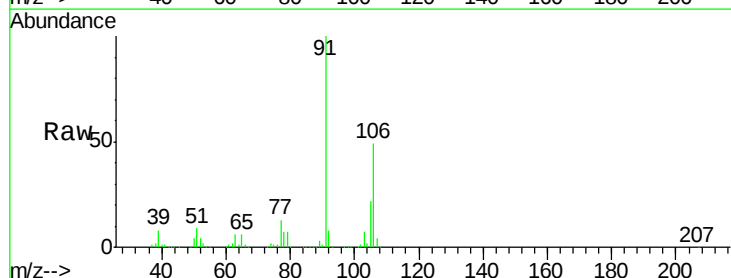
Instrument :
MSVOA_N
ClientSampled :

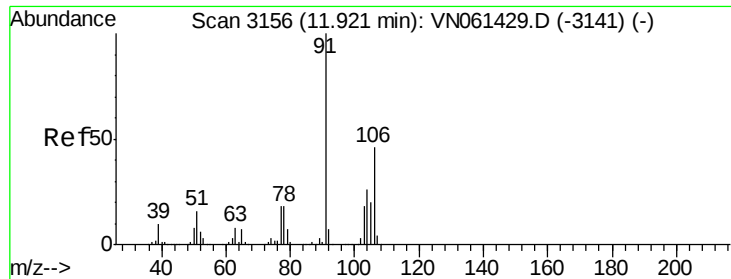
Tot Ion: 91 Resp: 444645
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8



#68
m/p-Xylenes
Concen: 46.070 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 106 Resp: 341205
Ion Ratio Lower Upper
106 100
91 202.4 163.0 244.6

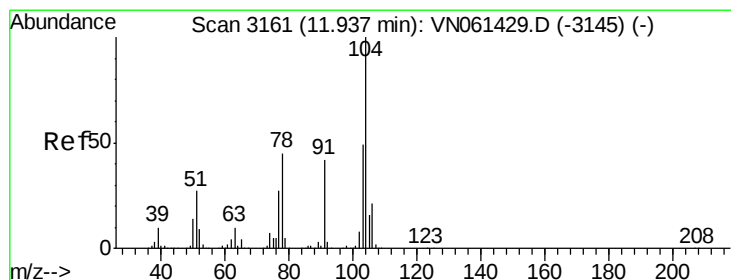
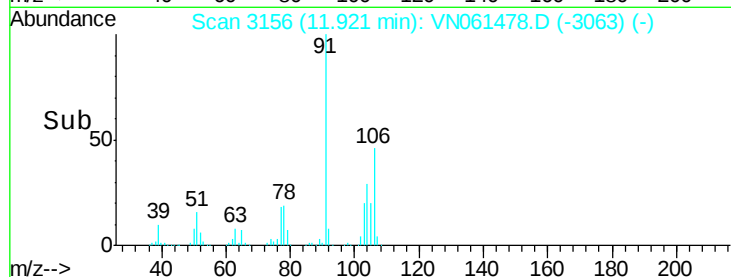
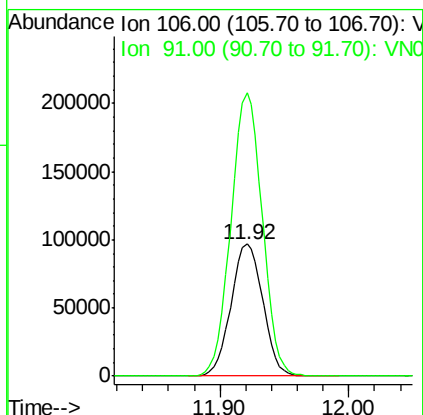
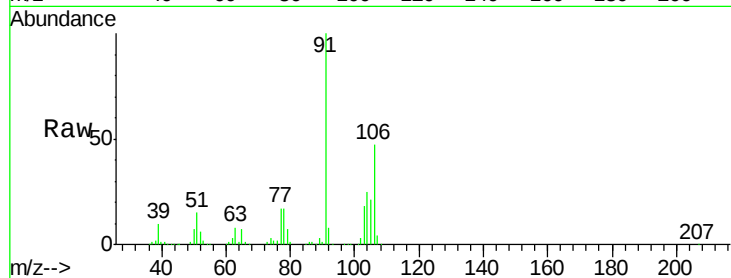




#69
o-Xylene
Concen: 23.098 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

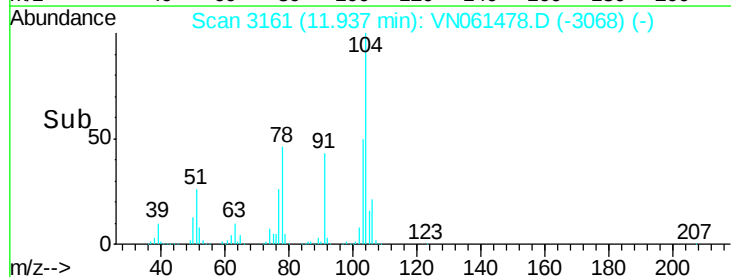
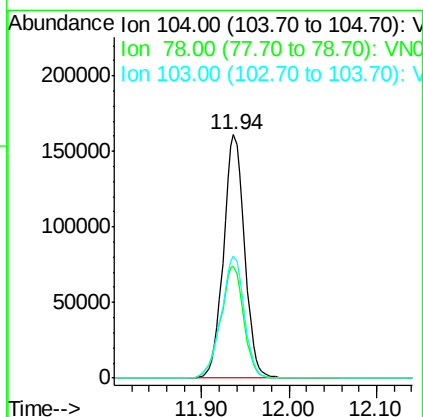
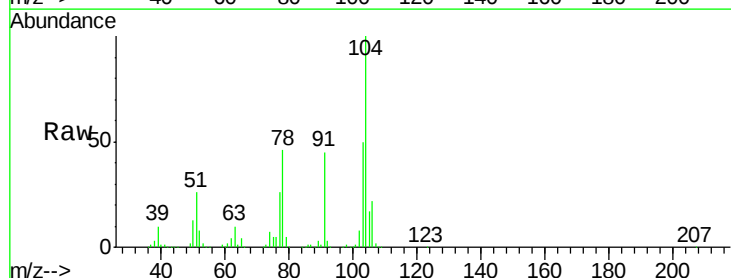
Instrument :
MSVOA_N
ClientSampled :

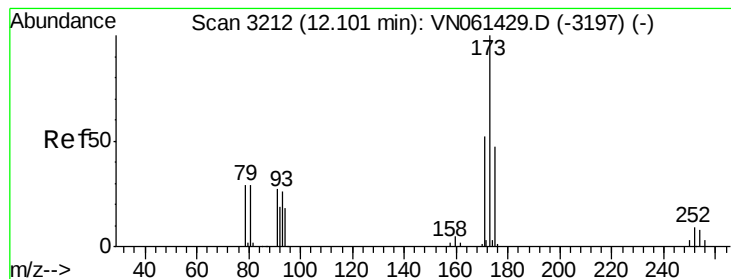
Tot Ion:106 Resp: 165548
Ion Ratio Lower Upper
106 100
91 211.8 107.9 323.7



#70
Styrene
Concen: 22.684 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion:104 Resp: 269222
Ion Ratio Lower Upper
104 100
78 50.5 40.7 61.1
103 54.3 43.0 64.4





#71

Bromoform

Concen: 20.822 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

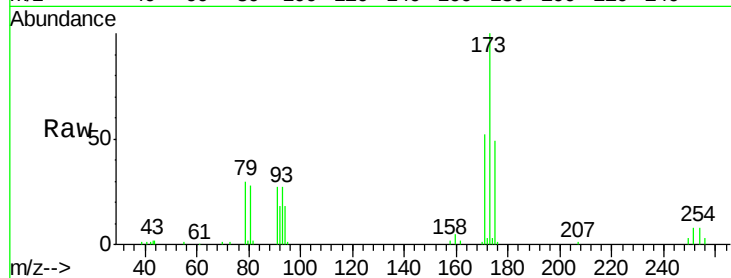
Tot Ion:173 Resp: 58388

Ion Ratio Lower Upper

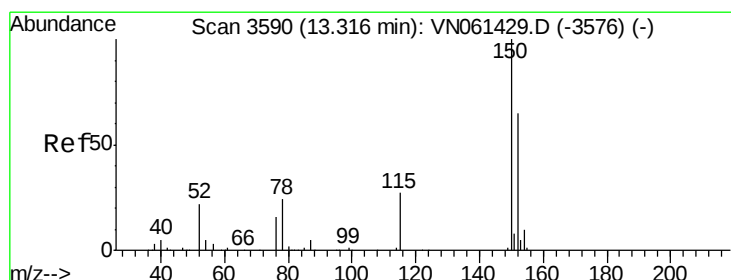
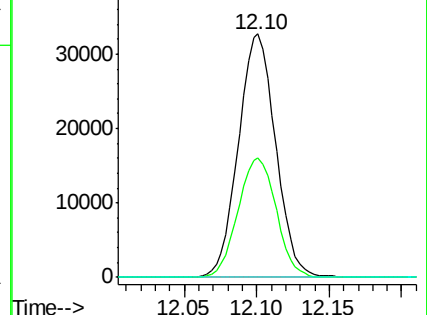
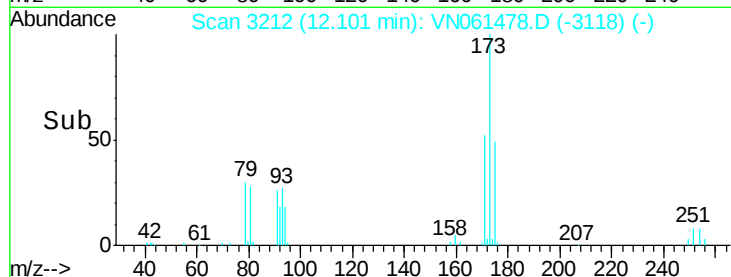
173 100

175 50.2 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

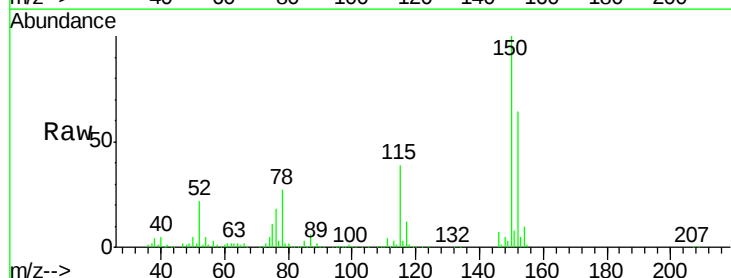
Tgt Ion:152 Resp: 244833

Ion Ratio Lower Upper

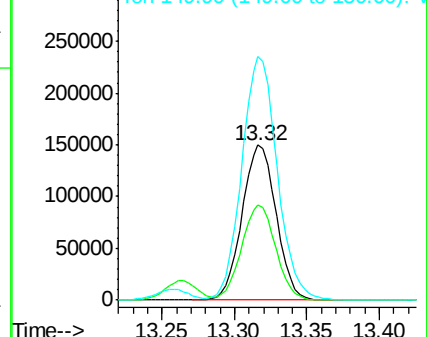
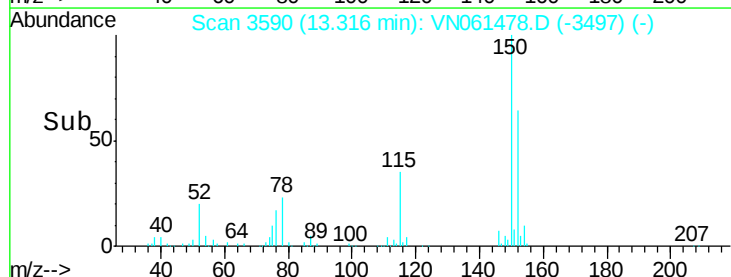
152 100

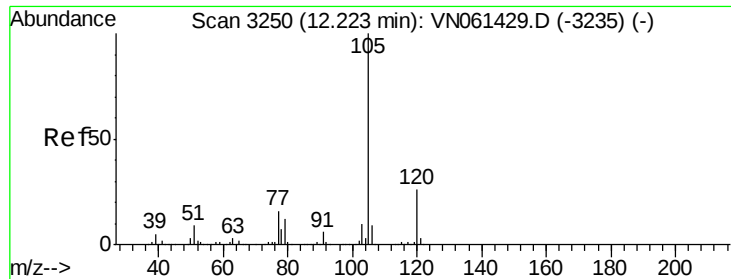
115 61.1 30.9 92.5

150 163.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

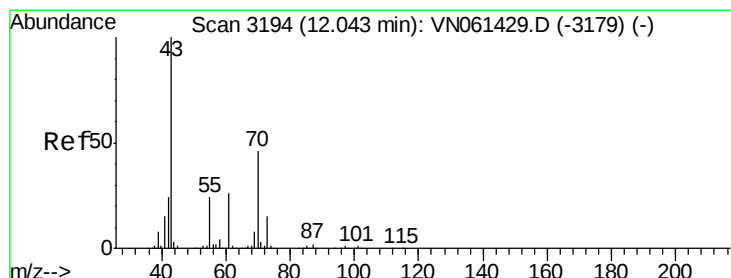
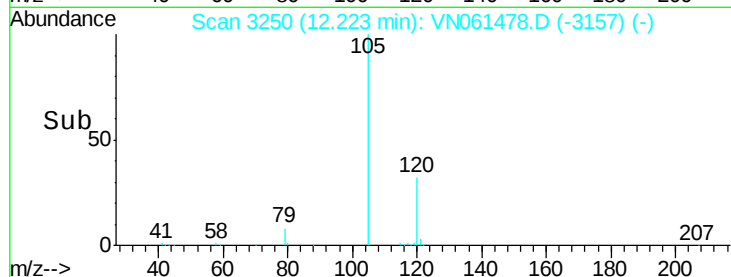
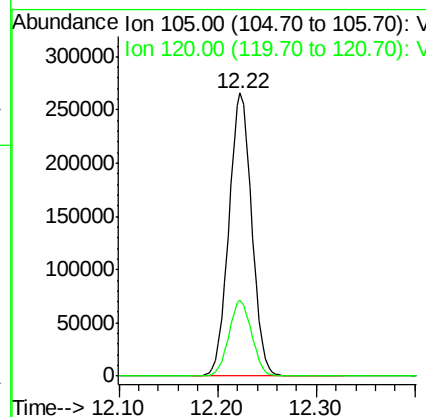
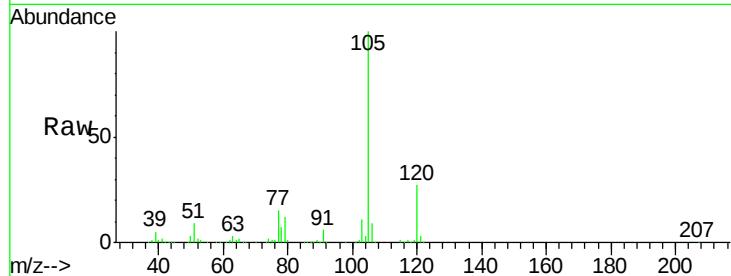




#73
Isopropylbenzene
Concen: 22.020 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

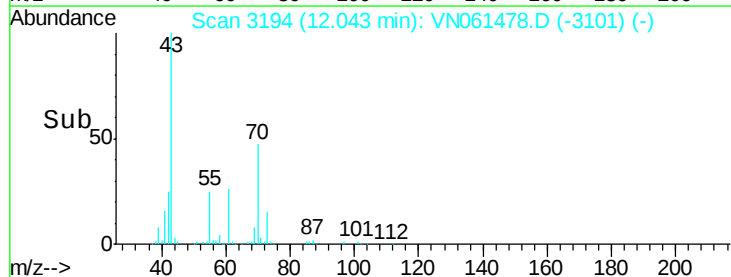
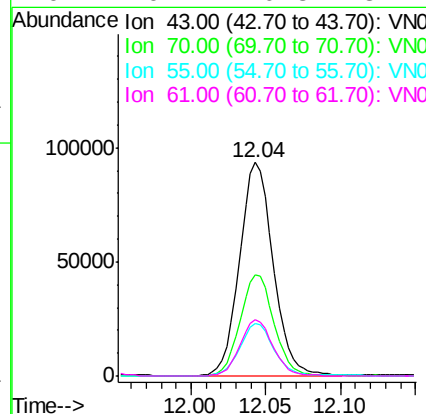
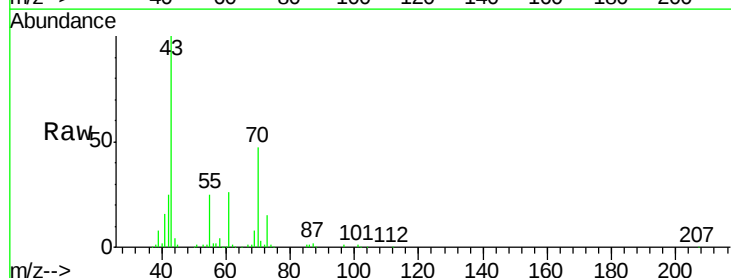
Instrument :
MSVOA_N
ClientSampleId :

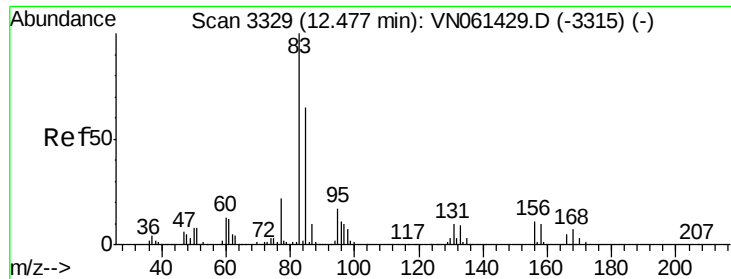
Tot Ion:105 Resp: 432813
Ion Ratio Lower Upper
105 100
120 26.6 13.0 39.0



#74
N-ethyl acetate
Concen: 20.325 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 43 Resp: 146225
Ion Ratio Lower Upper
43 100
70 48.0 37.0 55.4
55 24.9 19.5 29.3
61 26.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.617 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

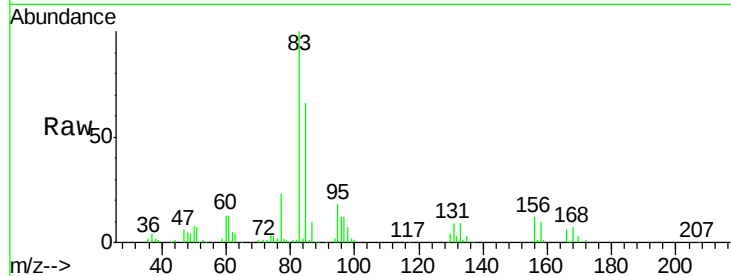
Tot Ion: 83 Resp: 116897

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

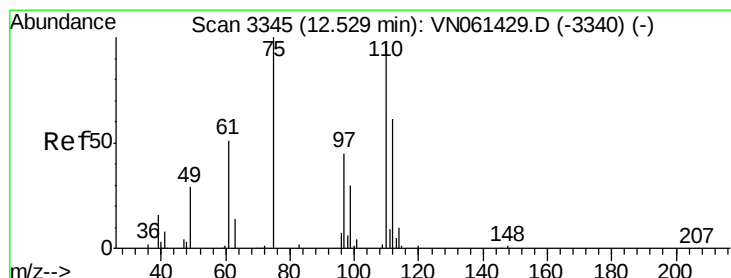
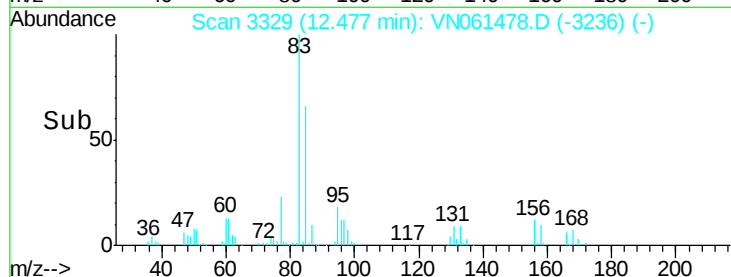
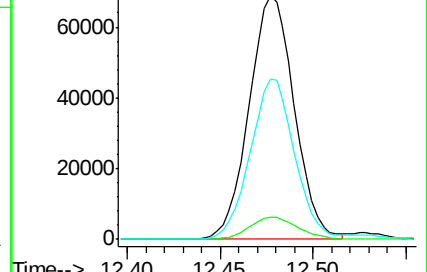
85 64.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061478.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061478.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061478.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 29.622 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061478.D

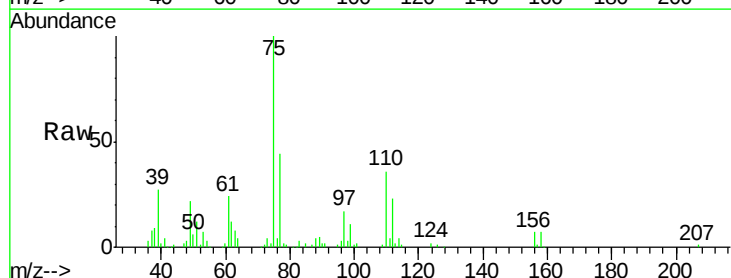
Acq: 19 May 2020 12:52

Tgt Ion: 75 Resp: 155618

Ion Ratio Lower Upper

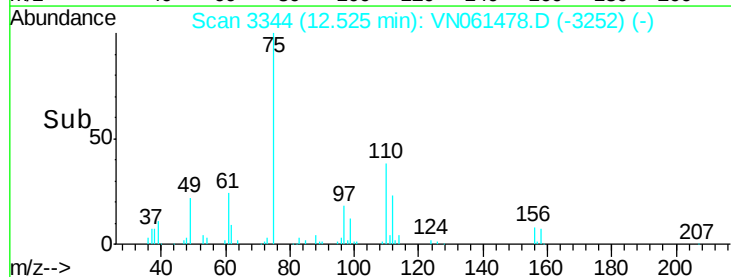
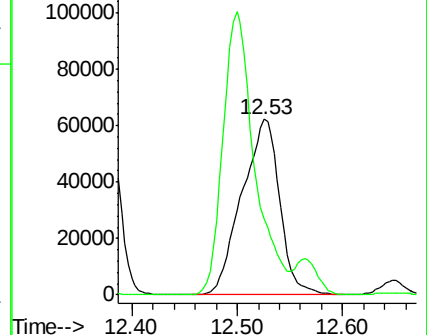
75 100

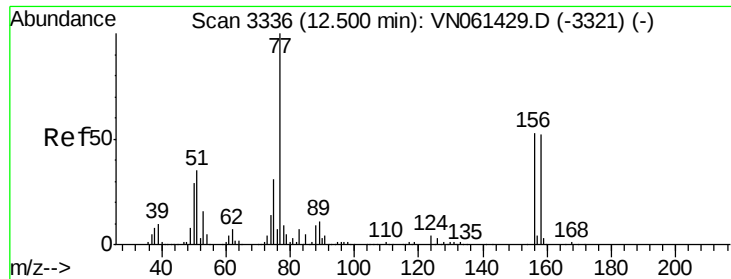
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061478.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061478.D (-3252) (-)





#77

Bromobenzene

Concen: 22.461 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

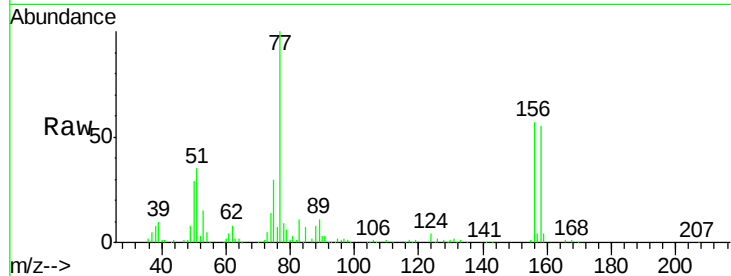
Tot Ion:156 Resp: 95810

Ion Ratio Lower Upper

156 100

77 217.1 112.3 336.9

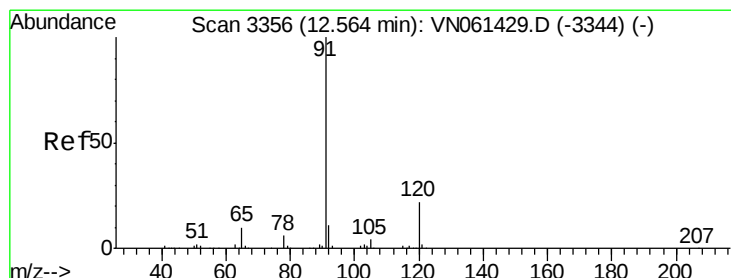
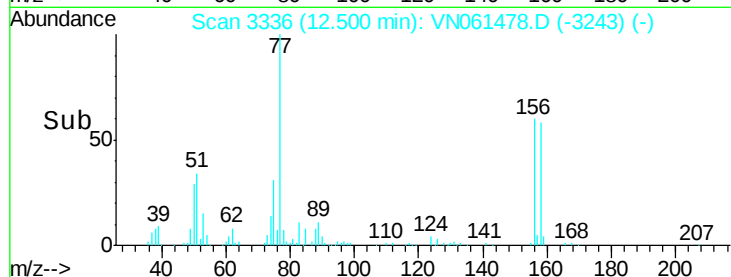
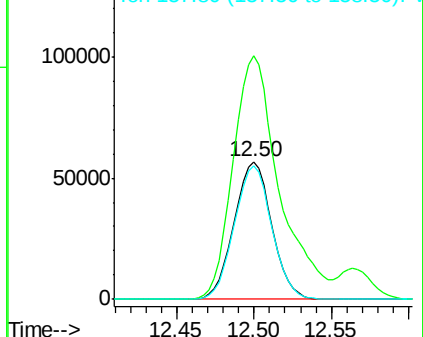
158 96.7 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.860 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061478.D

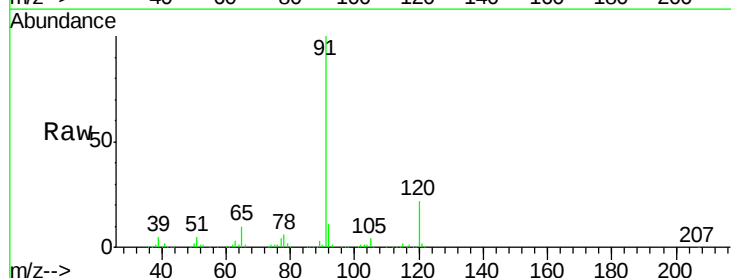
Acq: 19 May 2020 12:52

Tgt Ion: 91 Resp: 489545

Ion Ratio Lower Upper

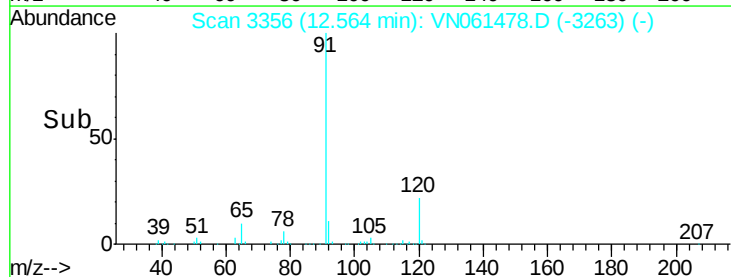
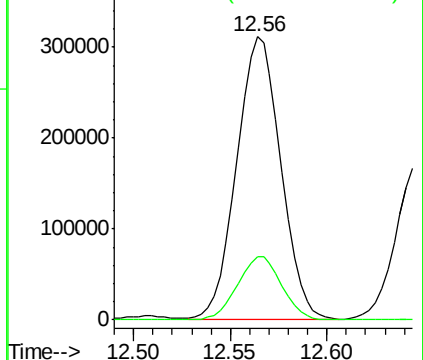
91 100

120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.816 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

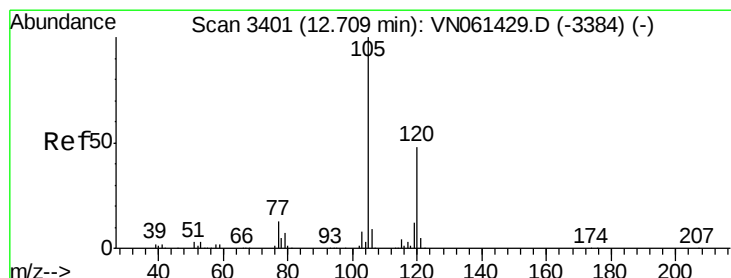
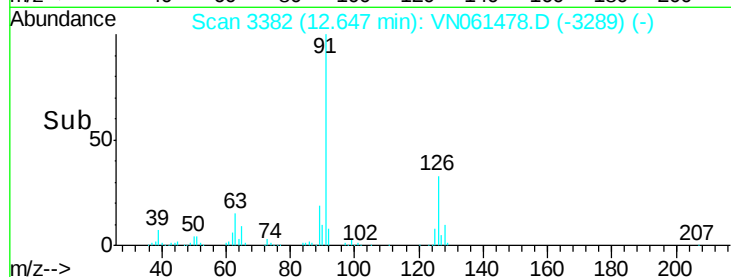
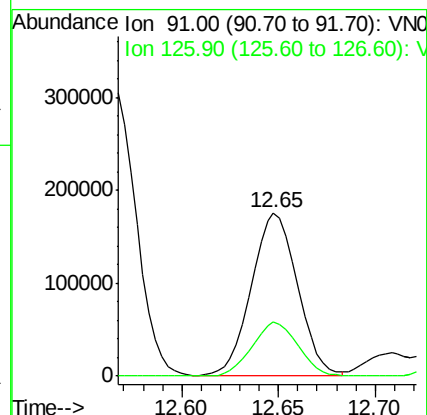
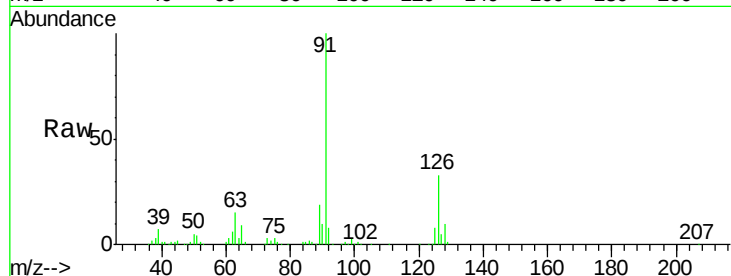
ClientSampleId :

Tot Ion: 91 Resp: 288777

Ion Ratio Lower Upper

91 100

126 33.2 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 22.638 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061478.D

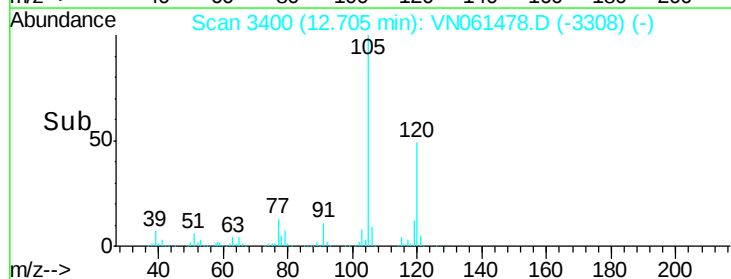
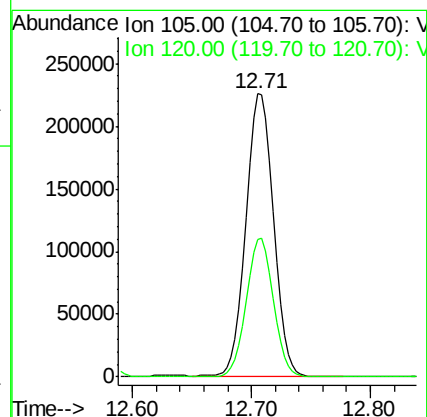
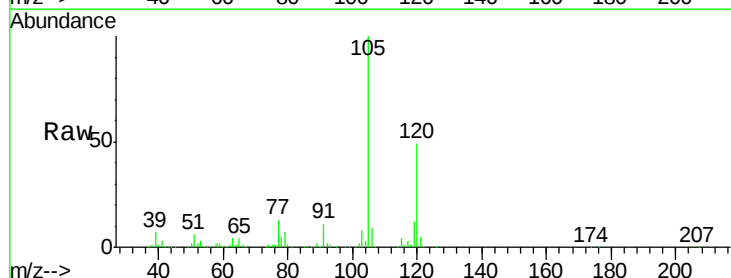
Acq: 19 May 2020 12:52

Tgt Ion: 105 Resp: 364329

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.886 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

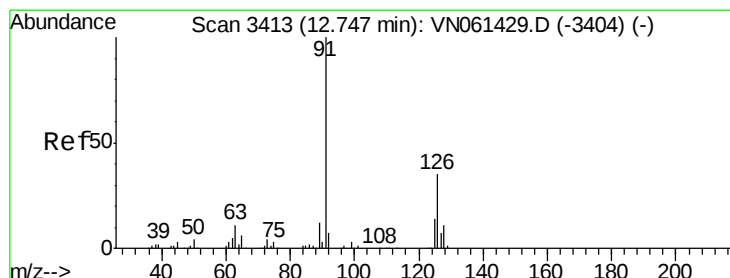
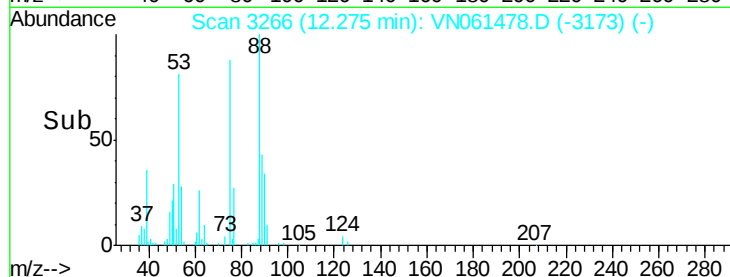
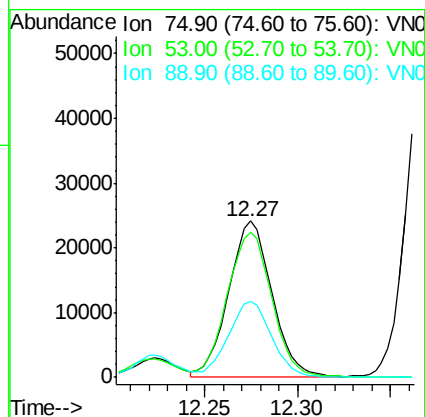
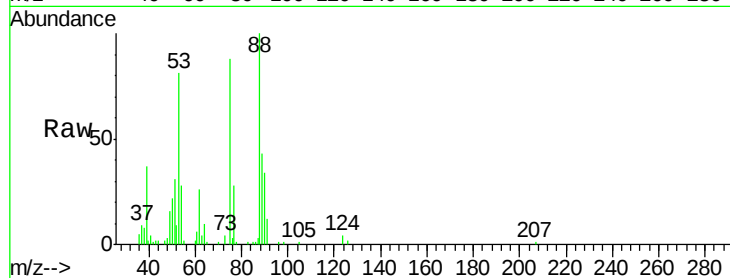
Tot Ion: 75 Resp: 39382

Ion Ratio Lower Upper

75 100

53 95.2 75.2 112.8

89 48.3 38.2 57.4



#82

4-Chlorotoluene

Concen: 22.021 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061478.D

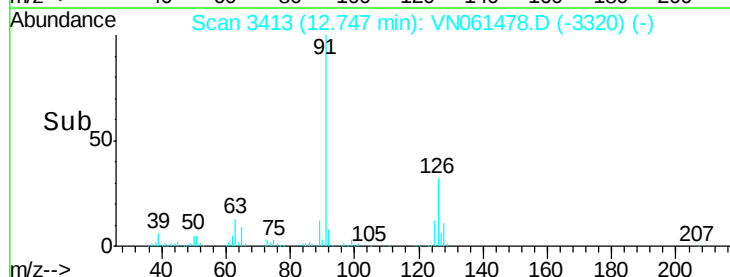
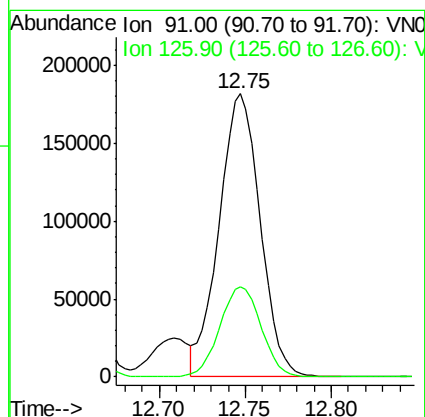
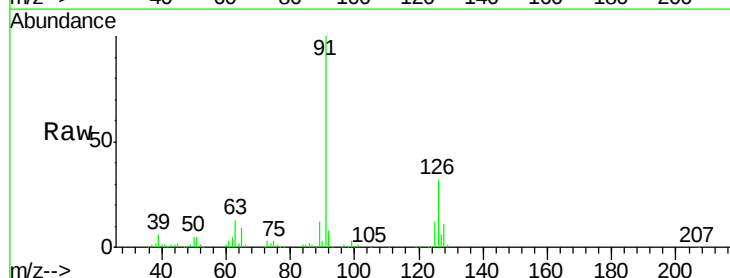
Acq: 19 May 2020 12:52

Tgt Ion: 91 Resp: 301832

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2

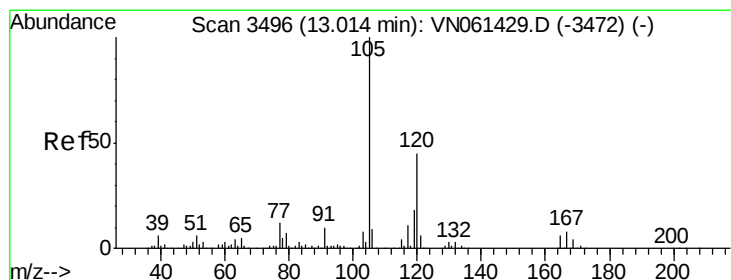
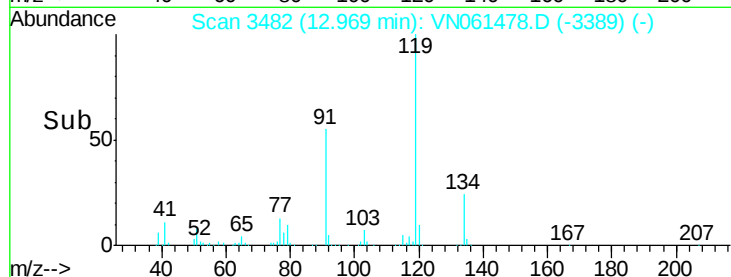
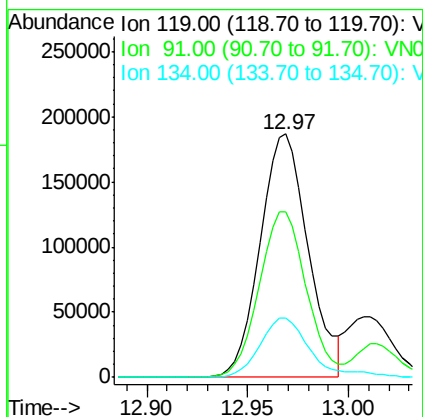
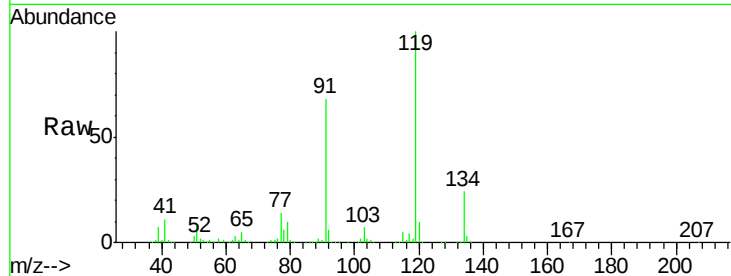




#83
 tert-Butylbenzene
 Concen: 22.494 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

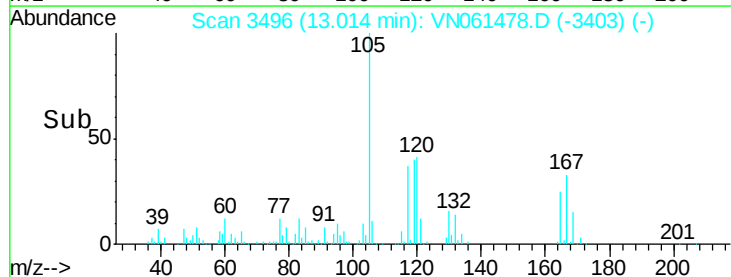
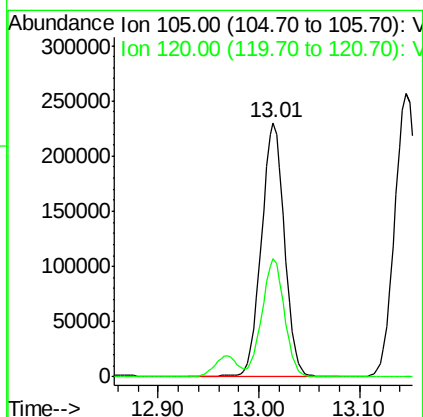
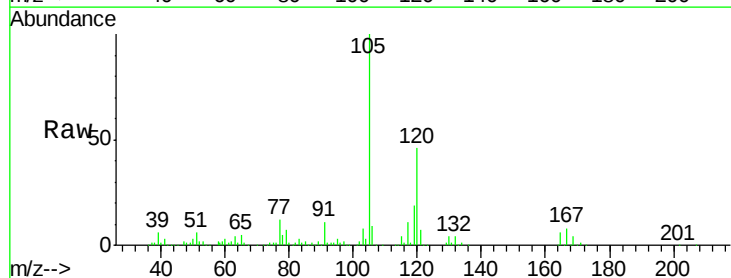
Instrument :
 MSVOA_N
 ClientSampleId :

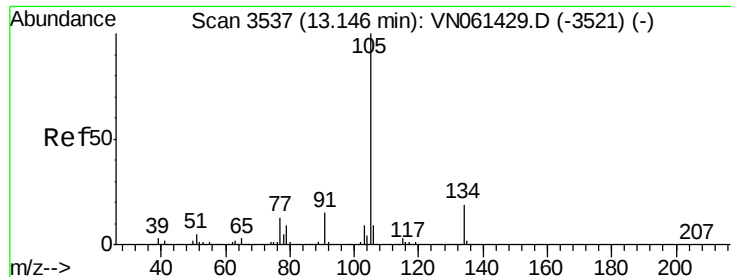
Tot Ion:119 Resp: 310091
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.7 101.0
 134 25.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.674 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion:105 Resp: 365183
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 21.866 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

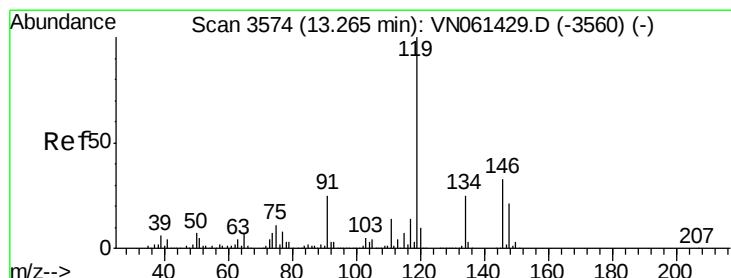
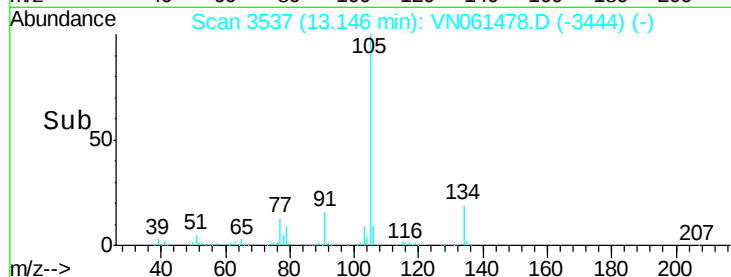
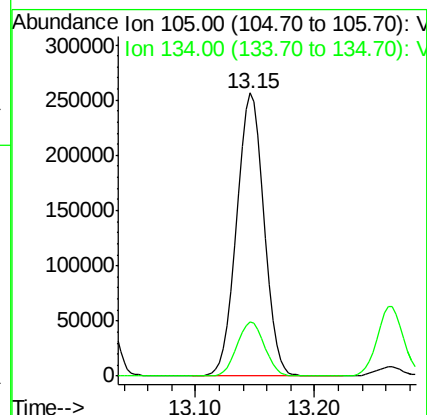
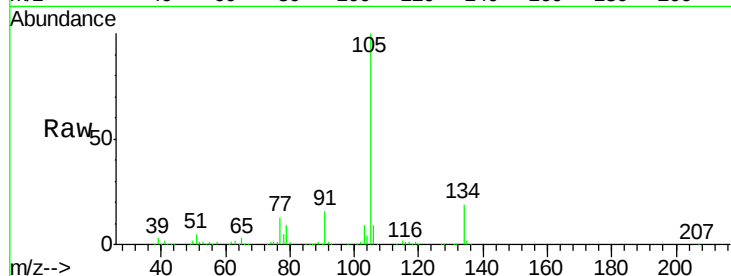
ClientSampled :

Tot Ion:105 Resp: 407598

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.5



#86

p-Isopropyltoluene

Concen: 22.090 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

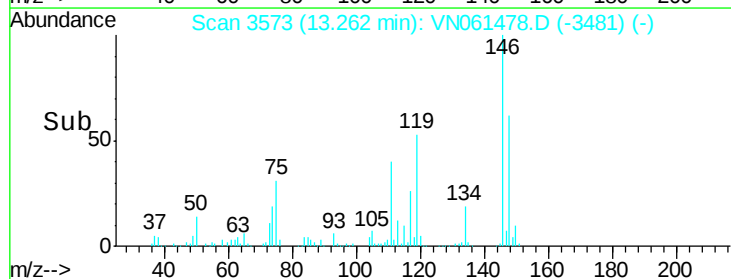
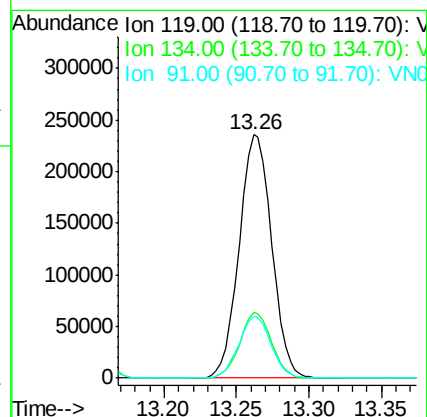
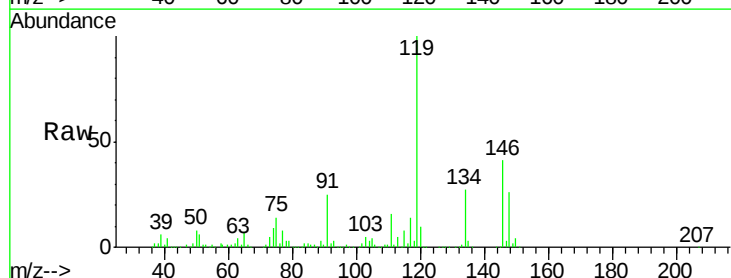
Tgt Ion:119 Resp: 365648

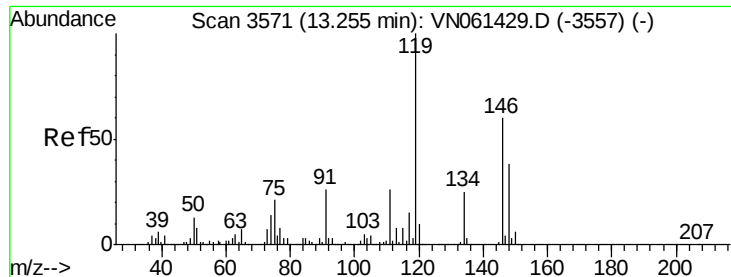
Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.1

91 25.0 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 22.287 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

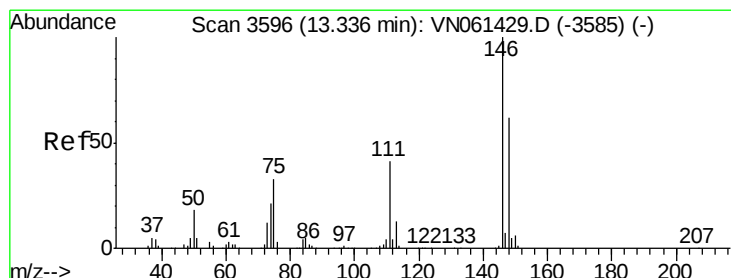
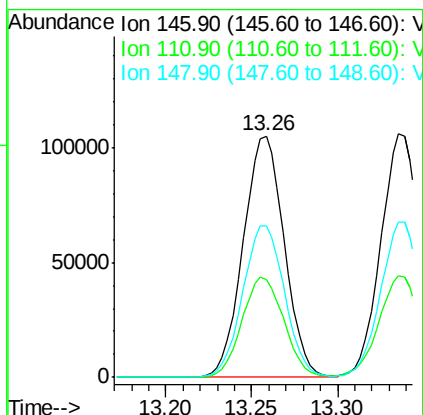
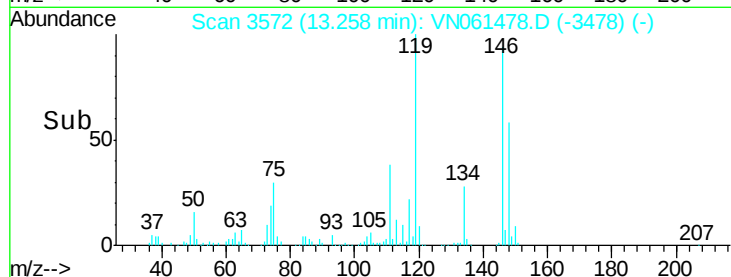
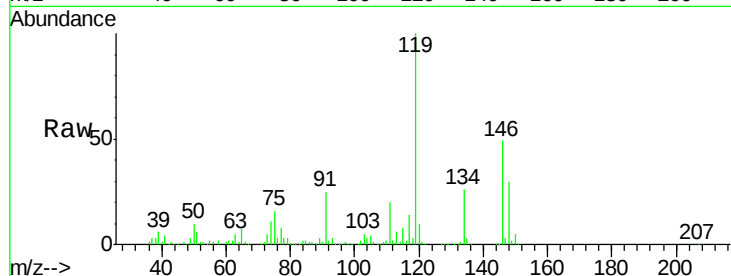
Tot Ion:146 Resp: 173986

Ion Ratio Lower Upper

146 100

111 42.3 21.5 64.5

148 63.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 22.219 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

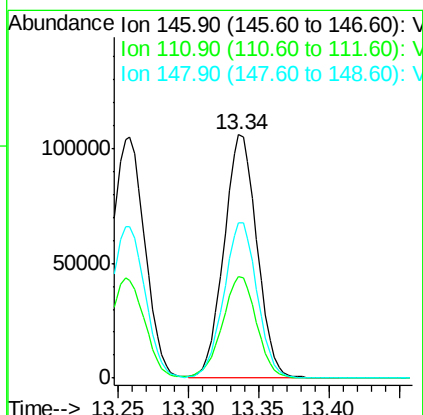
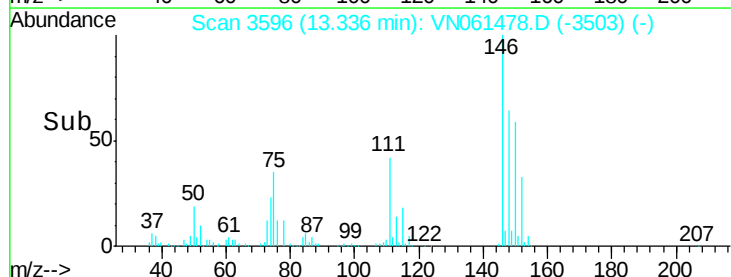
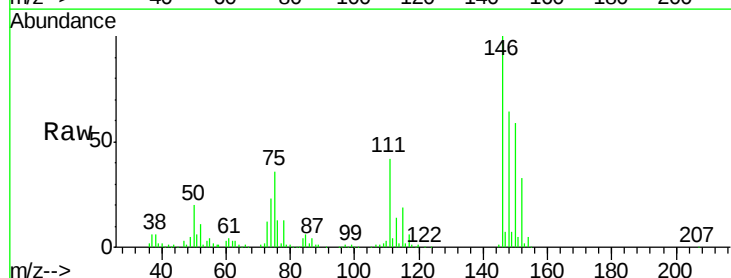
Tgt Ion:146 Resp: 173709

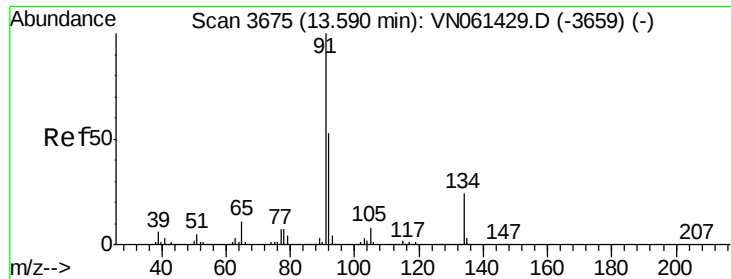
Ion Ratio Lower Upper

146 100

111 43.5 20.8 62.5

148 64.5 31.6 94.8





#89

n-Butylbenzene

Concen: 21.184 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

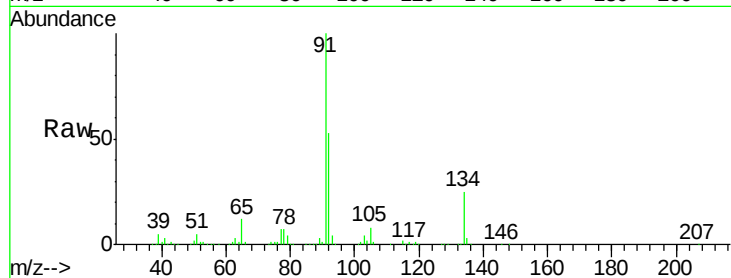
Tot Ion: 91 Resp: 318557

Ion Ratio Lower Upper

91 100

92 53.8 26.8 80.3

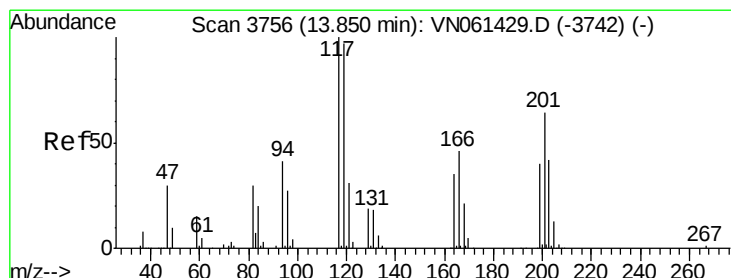
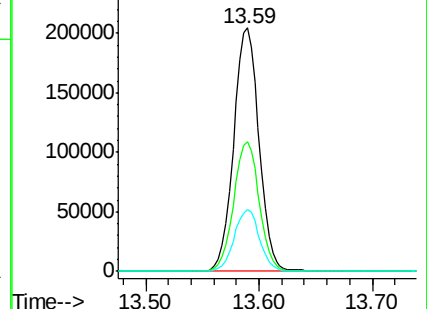
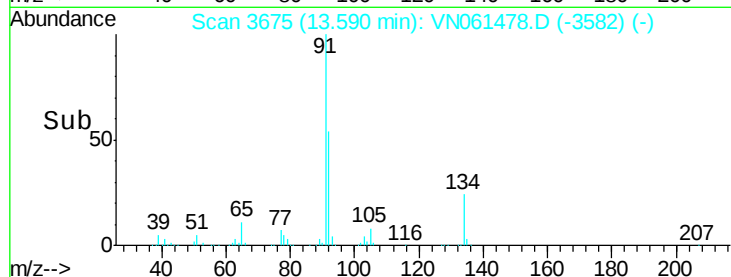
134 25.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)



#90

Hexachloroethane

Concen: 20.066 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061478.D

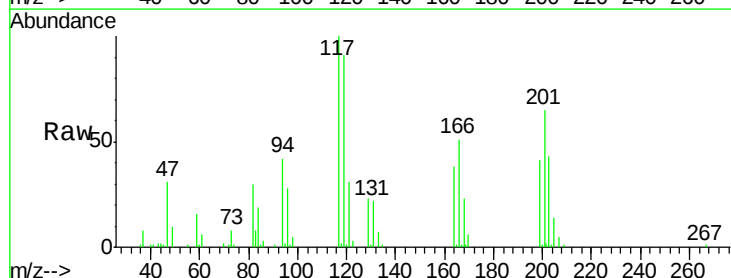
Acq: 19 May 2020 12:52

Tgt Ion: 117 Resp: 45015

Ion Ratio Lower Upper

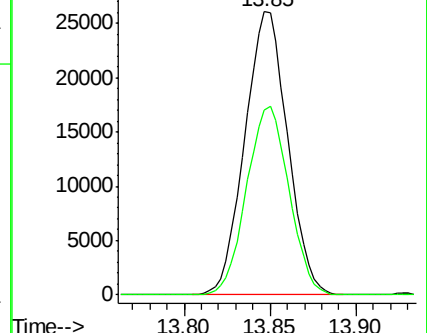
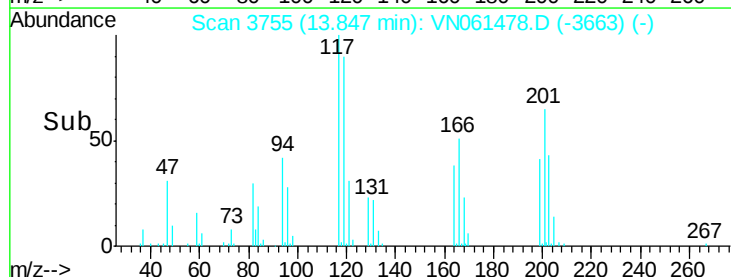
117 100

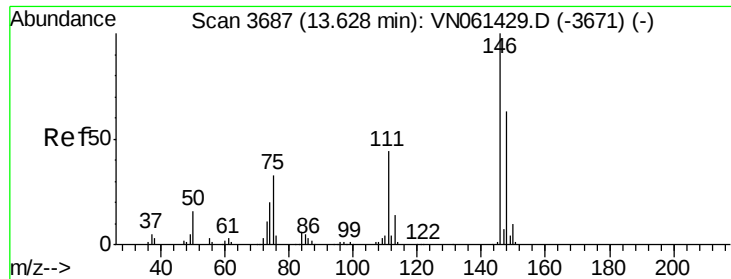
201 65.6 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

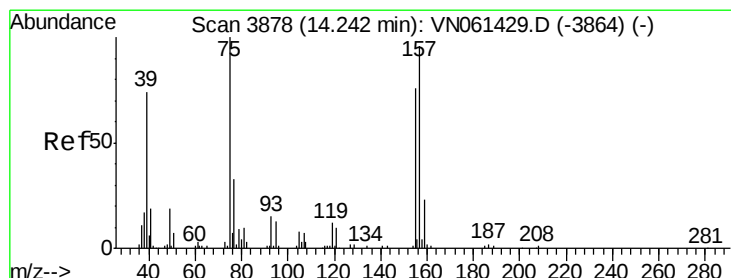
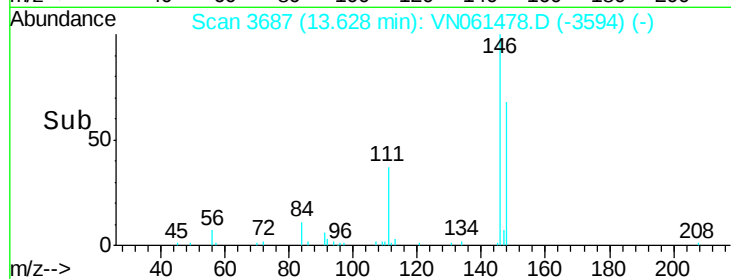
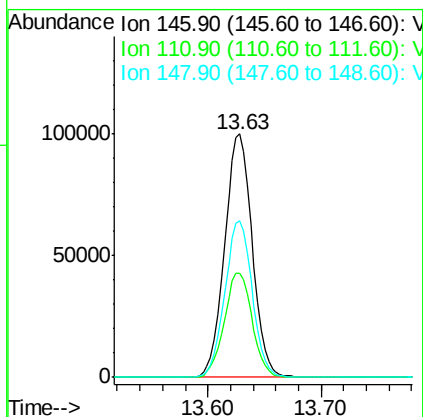
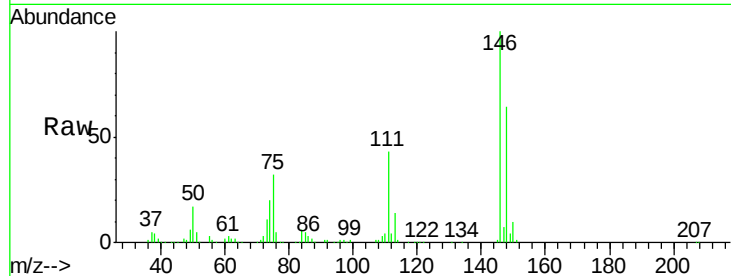




#91
 1,2-Dichlorobenzene
 Concen: 22.597 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

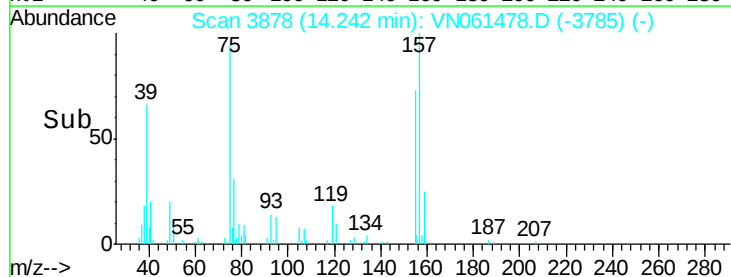
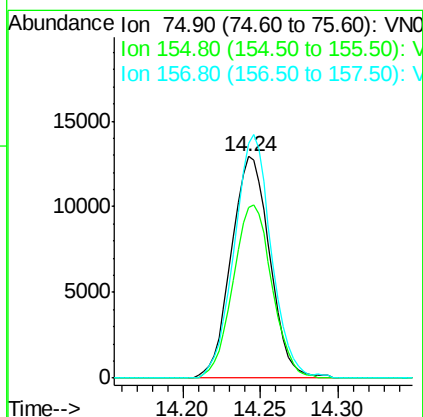
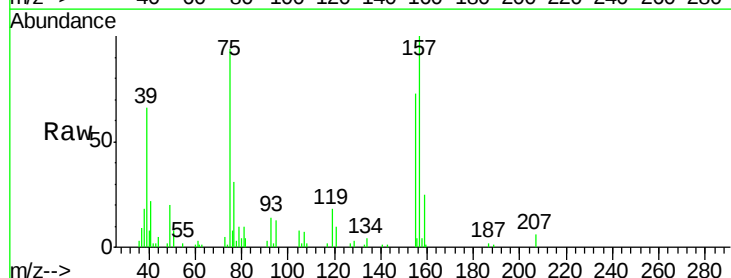
Instrument :
 MSVOA_N
 ClientSampled :

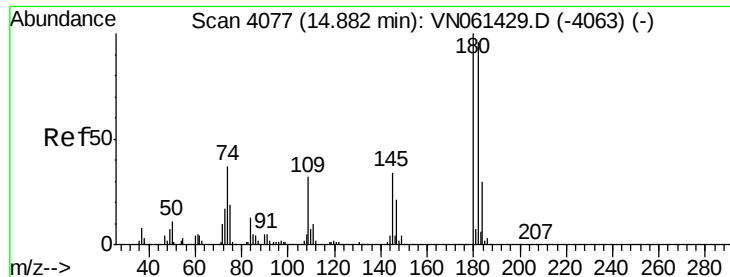
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	63.8	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.431 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	105.8	48.6	145.8

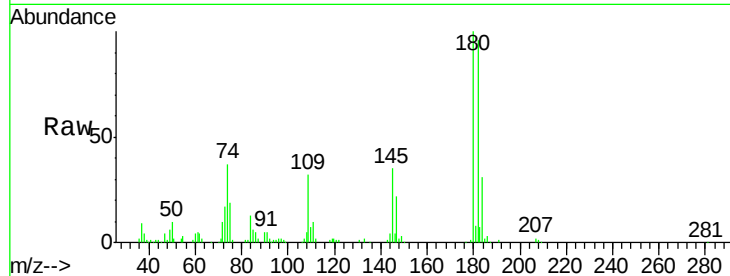




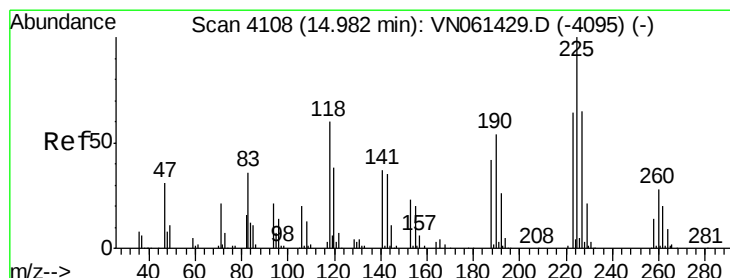
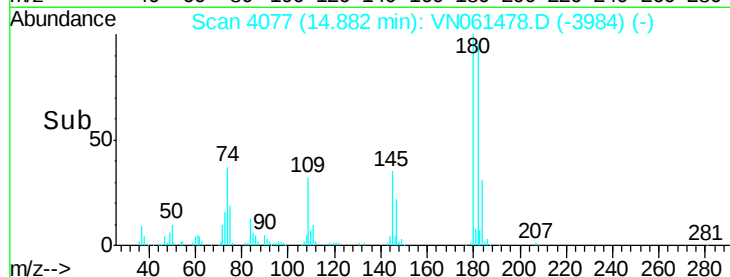
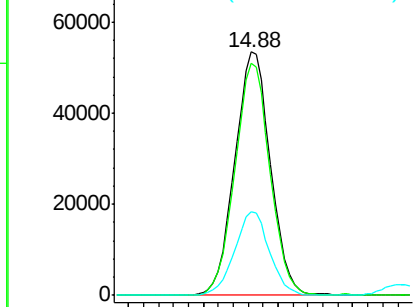
#93
 1,2,4-Trichlorobenzene
 Concen: 21.763 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 88364
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.0 141.0
 145 33.6 16.7 50.0

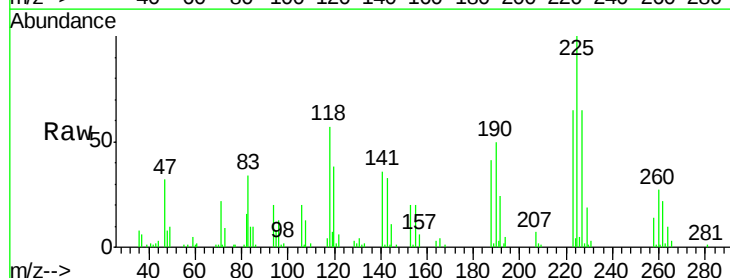


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

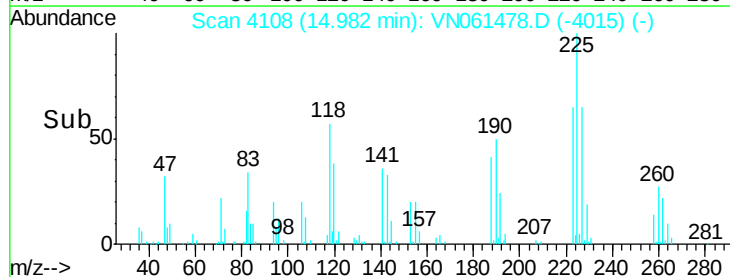
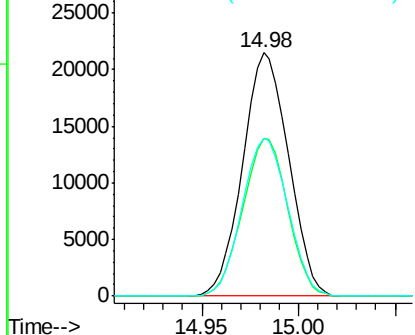


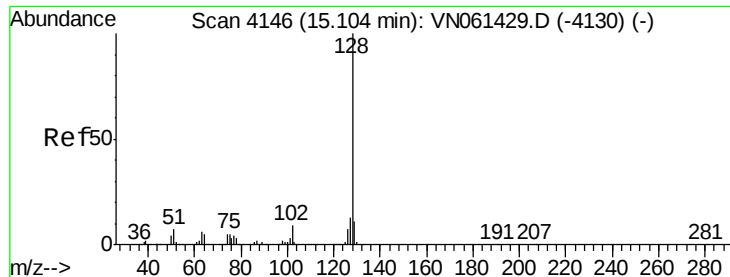
#94
 Hexachlorobutadiene
 Concen: 19.700 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion:225 Resp: 35540
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.9 95.7
 227 64.4 31.5 94.5



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

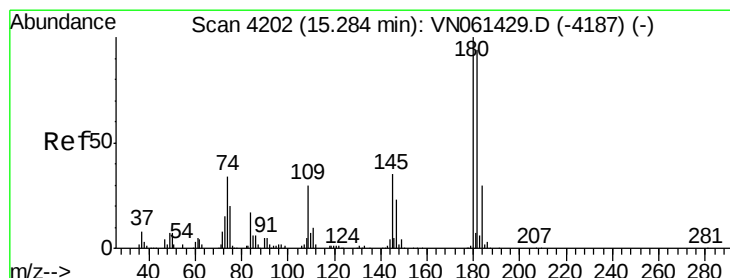
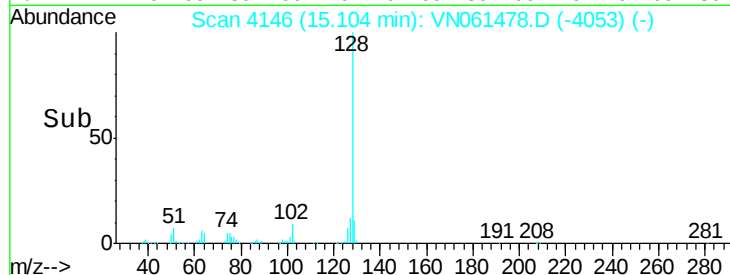
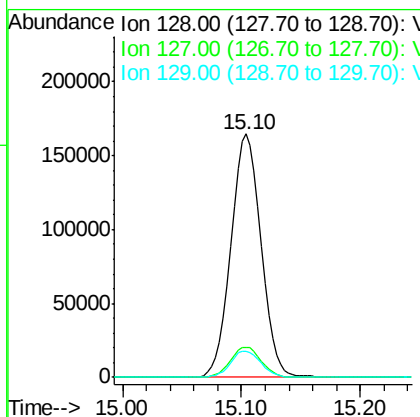
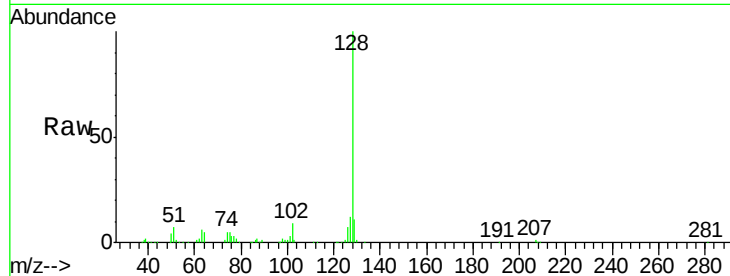




#95
Naphthalene
Concen: 22.366 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 288708
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.875 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion:180 Resp: 88422
Ion Ratio Lower Upper
180 100
182 94.4 47.8 143.3
145 34.9 17.3 51.9

