

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061482.D
 Acq On : 19 May 2020 14:46
 Operator : JC/MD
 Sample : L2679-05
 Misc : 6.51g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

Quant Time: May 20 02:53:48 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	7.62	168	219673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	244222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	149934	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	7.54	113	104280	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.06	98	529300	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
62) 4-Bromofluorobenzene	12.37	95	230978	63.84	ug/l	0.00
Spiked Amount			Recovery	=	127.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1311	0.440	ug/l	92
5) Bromomethane	2.55	94	129	Below Cal		98
10) Methyl Iodide	3.90	142	2848	1.089	ug/l #	68
11) Tert butyl alcohol	4.69	59	3190	8.445	ug/l #	73
13) Acrolein	3.72	56	355	Below Cal	#	26
16) Acetone	3.78	43	420	Below Cal	#	71
17) Carbon Disulfide	3.98	76	1488	Below Cal	#	75
18) Methyl Acetate	4.28	43	4254	0.839	ug/l #	78
20) Methylene Chloride	4.50	84	857	0.318	ug/l #	53
25) 2-Butanone	6.79	43	2836	1.900	ug/l #	86
31) Cyclohexane	7.60	56	42917	7.629	ug/l	91
36) 1,1-Dichloropropene	7.62	75	18867	5.063	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23273	6.783	ug/l #	16
39) Methylcyclohexane	9.04	83	249795	54.883	ug/l	100
43) Isopropyl Acetate	8.10	43	12551	2.129	ug/l #	52
45) 1,2-Dichloropropane	9.04	63	2303	0.819	ug/l #	1
47) Bromodichloromethane	9.34	83	5283	1.272	ug/l #	48
48) Methyl methacrylate	9.11	41	26145	9.602	ug/l #	36
49) 1,4-Dioxane	9.18	88	68	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.05	43	13917	4.334	ug/l #	86
52) Toluene	10.12	92	2064	0.286	ug/l	75
54) cis-1,3-Dichloropropene	9.56	75	2666	0.551	ug/l #	48
55) 1,1,2-Trichloroethane	10.50	97	90454	33.185	ug/l #	20
56) Ethyl methacrylate	10.40	69	28169	6.610	ug/l #	6
58) 2-Chloroethyl Vinyl ether	9.67	63	488	0.261	ug/l #	46
59) 2-Hexanone	10.69	43	116844	50.298	ug/l #	27
67) Ethyl Benzene	11.48	91	17083	1.162	ug/l	100
68) m/p-Xylenes	11.60	106	5376	0.963	ug/l	84
69) o-Xylene	11.92	106	1981	0.367	ug/l	62
71) Bromoform	12.10	173	62	2.047	ug/l #	29
73) Isopropylbenzene	12.22	105	266657	13.601	ug/l	99
74) N-amyl acetate	12.02	43	78839	10.986	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.43	83	17471	3.239	ug/l #	81
76) 1,2,3-Trichloropropane	12.56	75	5620	1.072	ug/l #	100

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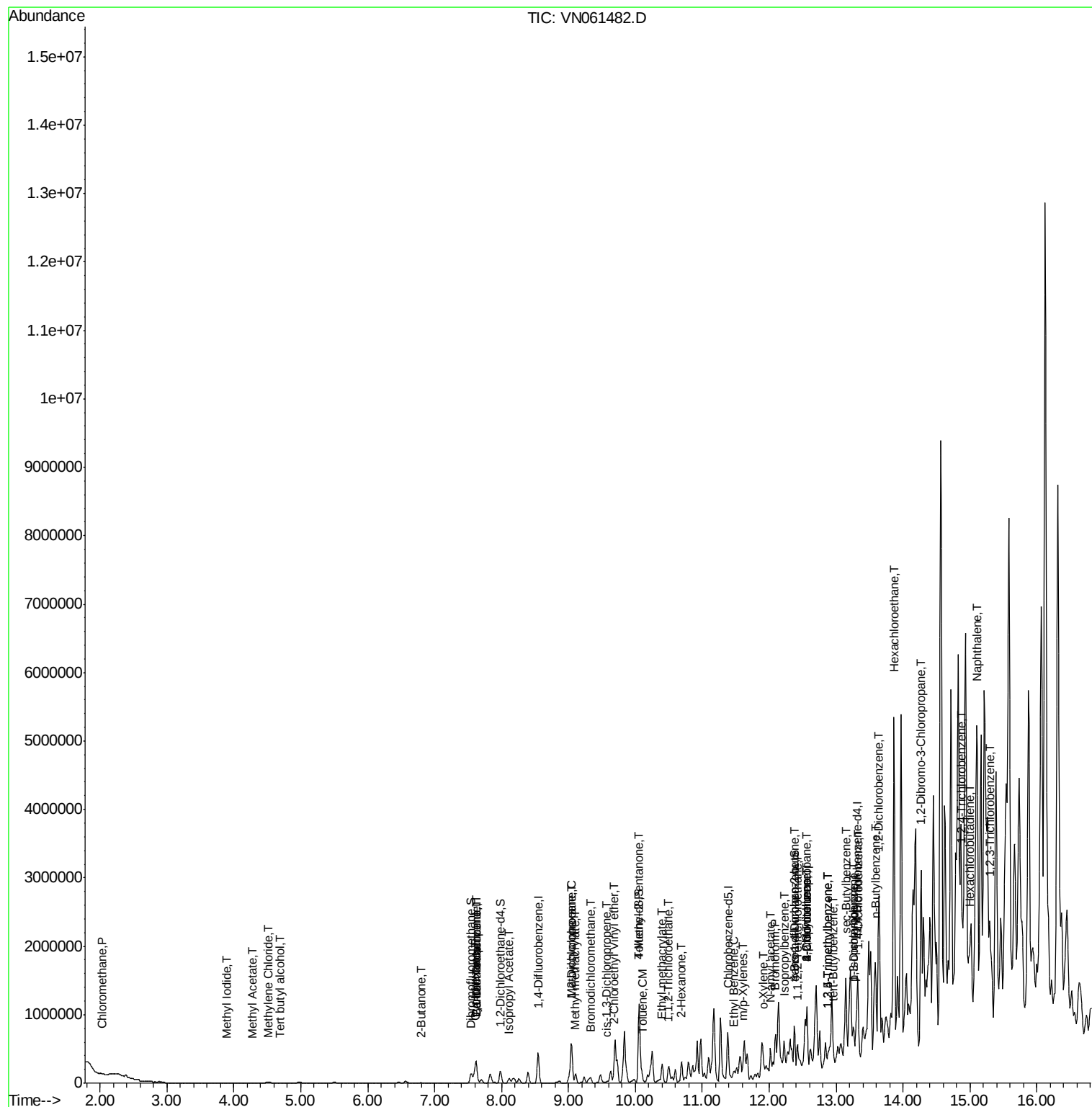
78) n-propylbenzene	12.56	91	736817	32.983	ug/l	100
79) 2-Chlorotoluene	12.56	91	736817	55.802	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.87	105	37772	2.353	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.37	75	111604	56.496	ug/l #	13
82) 4-Chlorotoluene	12.56	91	736817	53.892	ug/l #	43
83) tert-Butylbenzene	12.97	119	22530	1.638	ug/l	93
84) 1,2,4-Trimethylbenzene	12.87	105	37772	2.351	ug/l	77
85) sec-Butylbenzene	13.15	105	682779	36.720	ug/l	88
86) p-Isopropyltoluene	13.26	119	34443	2.086	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	2482	0.319	ug/l #	69
88) 1,4-Dichlorobenzene	13.34	146	3358	0.431	ug/l #	1
89) n-Butylbenzene	13.59	91	766117	51.074	ug/l #	84
90) Hexachloroethane	13.86	117	238792	106.713	ug/l #	17
91) 1,2-Dichlorobenzene	13.63	146	2350	0.315	ug/l #	71
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7513	6.895	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.88	180	8395	2.073	ug/l #	1
94) Hexachlorobutadiene	14.99	225	2161	1.201	ug/l	94
95) Naphthalene	15.10	128	2935063	227.945	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	6623	1.643	ug/l #	1

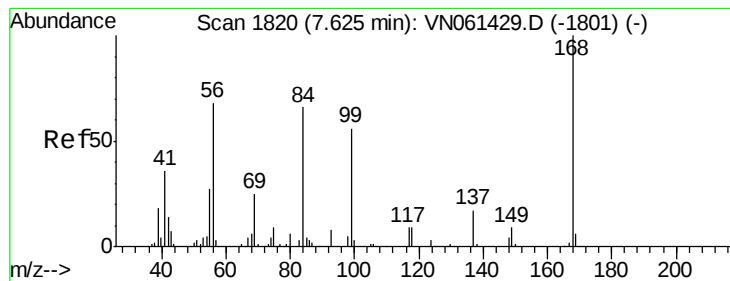
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

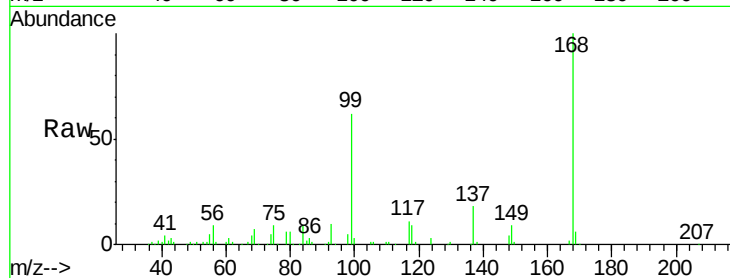
SB-4-14.0-14.5ME

Tot Ion:168 Resp: 219673

Ion Ratio Lower Upper

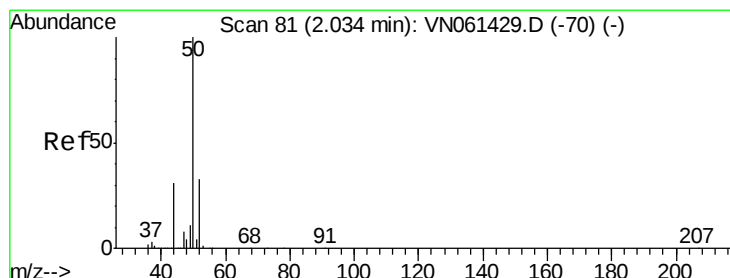
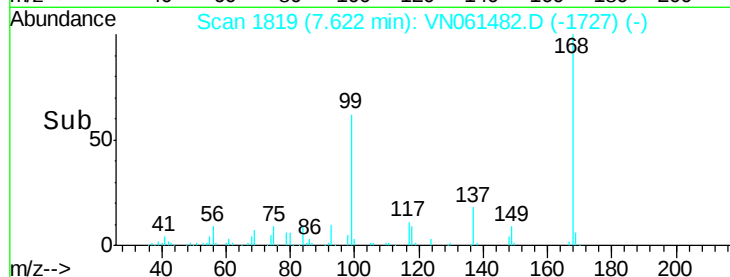
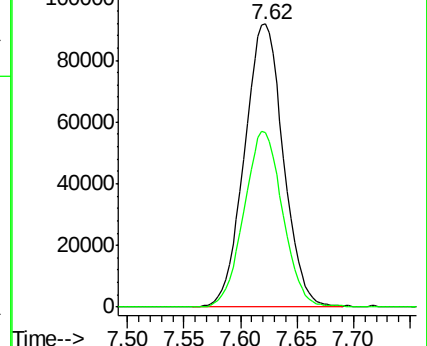
168 100

99 61.9 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.440 ug/l

RT: 2.03 min Scan# 79

Delta R.T. -0.01 min

Lab File: VN061482.D

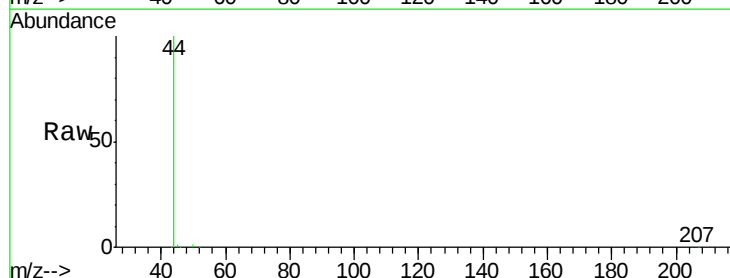
Acq: 19 May 2020 14:46

Tgt Ion: 50 Resp: 1311

Ion Ratio Lower Upper

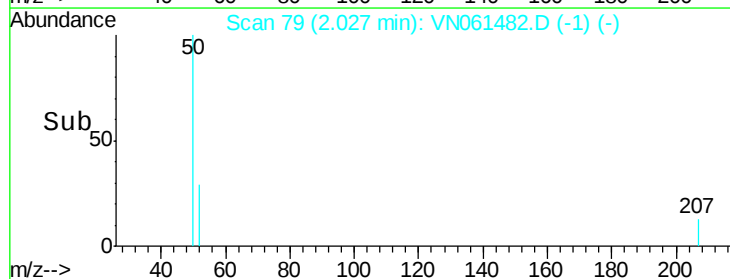
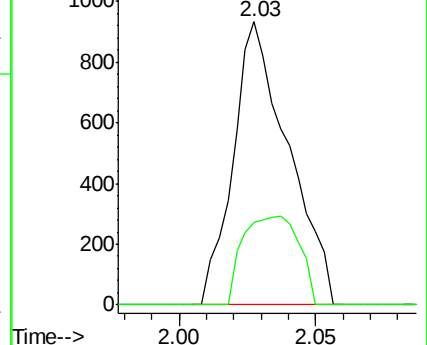
50 100

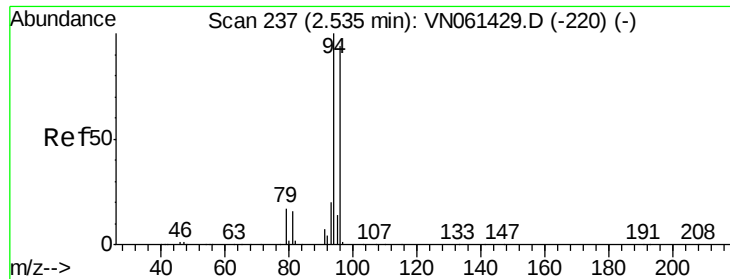
52 29.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

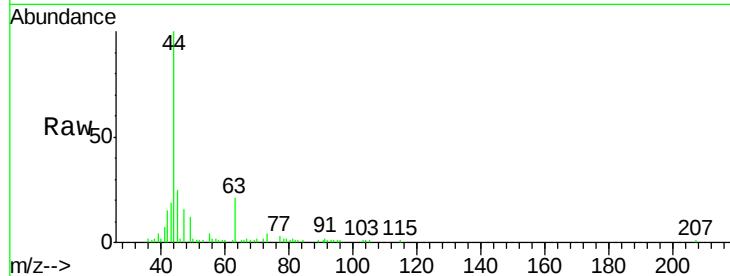
SB-4-14.0-14.5ME

Tot Ion: 94 Resp: 129

Ion Ratio Lower Upper

94 100

96 92.1 74.9 112.3



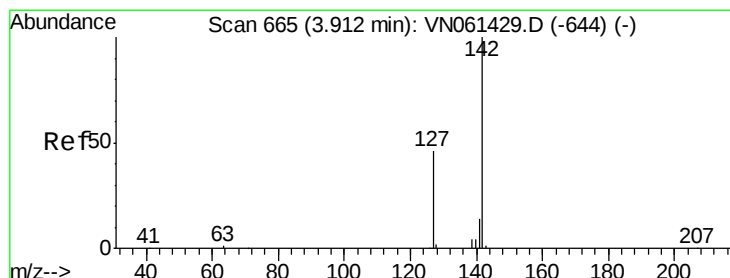
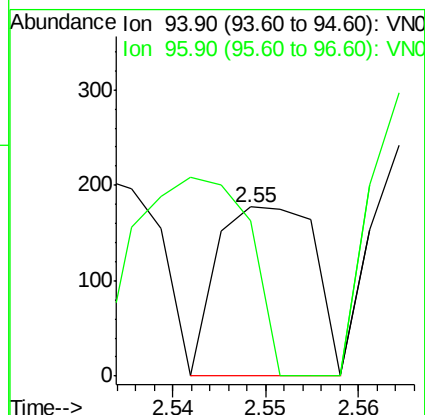
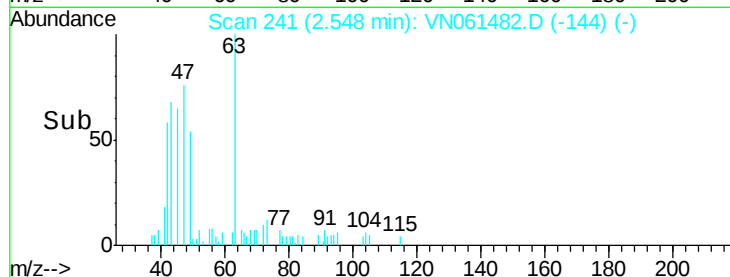
Abundance Ion 93.90 (93.60 to 94.60): VN061429.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN061429.D (-220) (-)

2.55

2.54

2.56



#10

Methyl Iodide

Concen: 1.089 ug/l

RT: 3.90 min Scan# 661

Delta R.T. -0.01 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

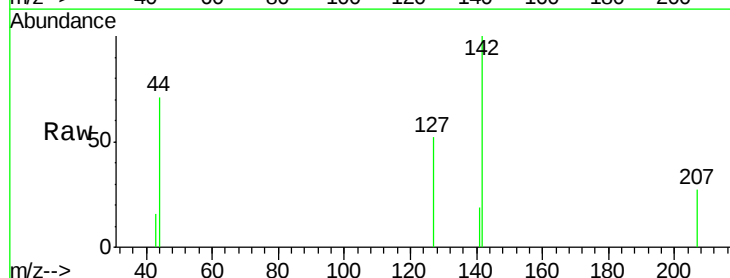
Tgt Ion: 142 Resp: 2848

Ion Ratio Lower Upper

142 100

127 23.8 36.7 55.1#

141 3.4 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN061429.D (-644) (-)

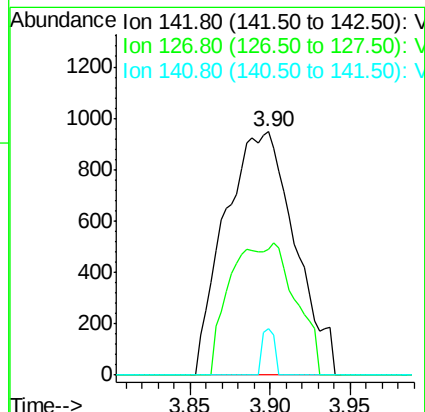
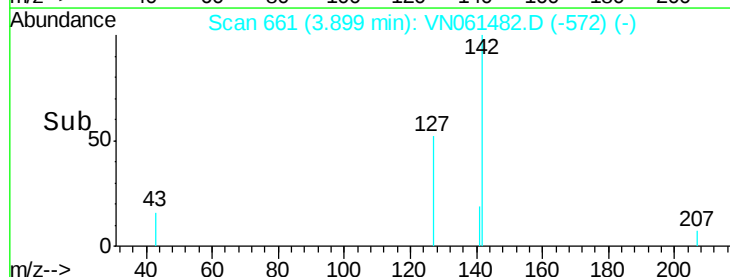
Ion 126.80 (126.50 to 127.50): VN061429.D (-644) (-)

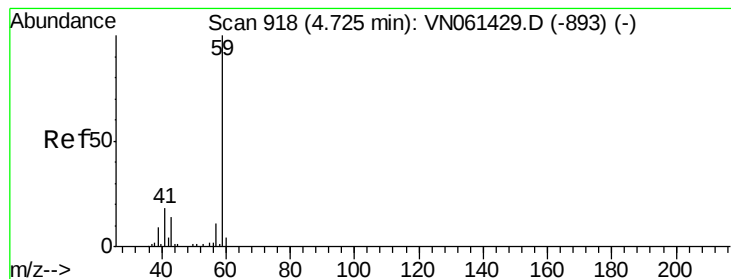
Ion 140.80 (140.50 to 141.50): VN061429.D (-644) (-)

3.90

3.85

3.95



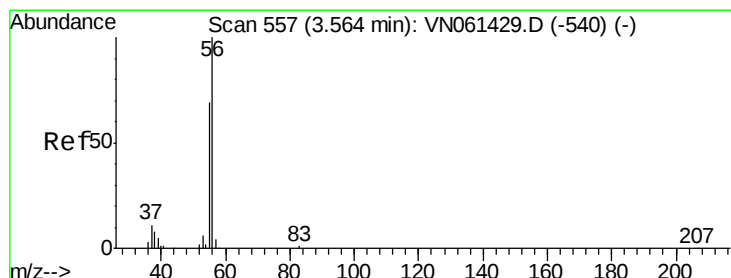
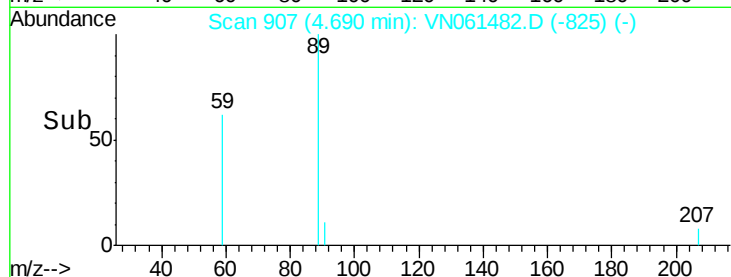
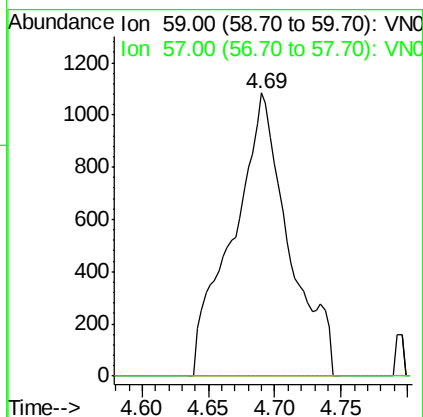
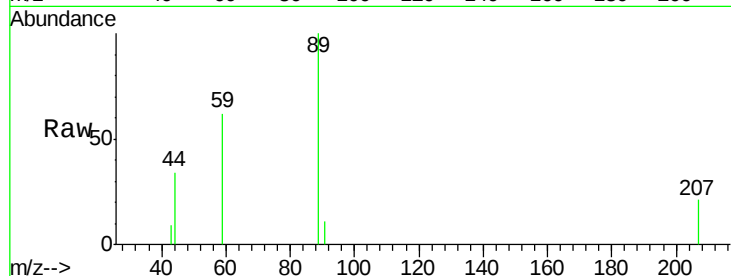


#11

Tert butyl alcohol
 Concen: 8.445 ug/l
 RT: 4.69 min Scan# 907
 Delta R.T. -0.04 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

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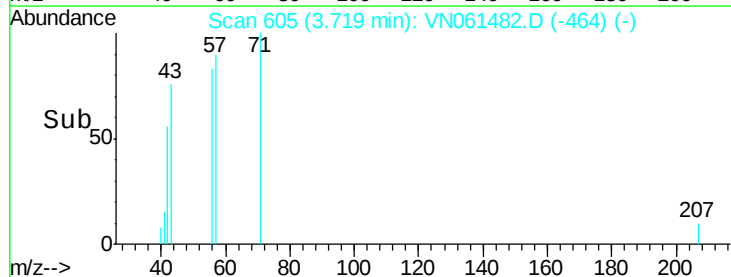
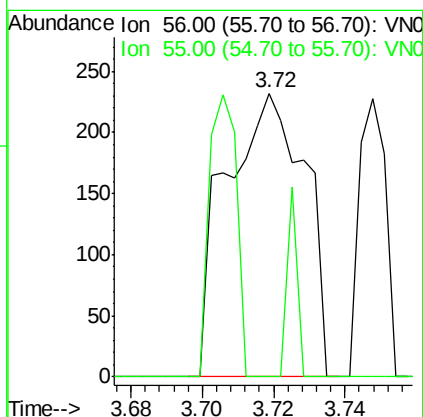
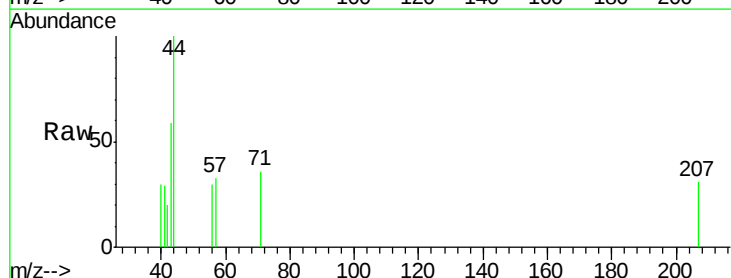
Tot Ion: 59 Resp: 3190
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

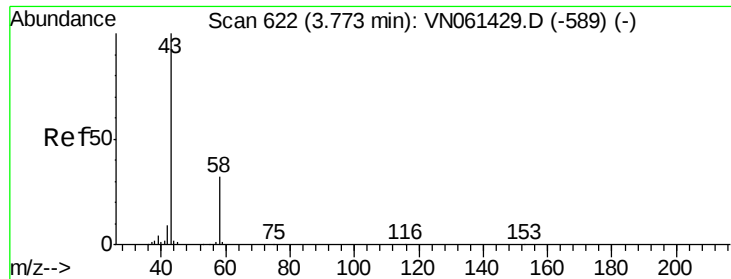


#13

Acrolein
 Concen: Below Cal
 RT: 3.72 min Scan# 605
 Delta R.T. 0.15 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion: 56 Resp: 355
 Ion Ratio Lower Upper
 56 100
 55 8.5 54.8 82.2#

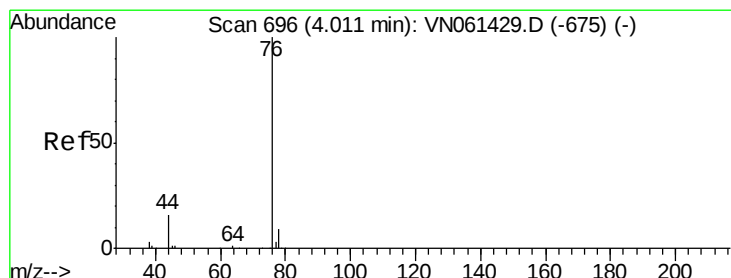
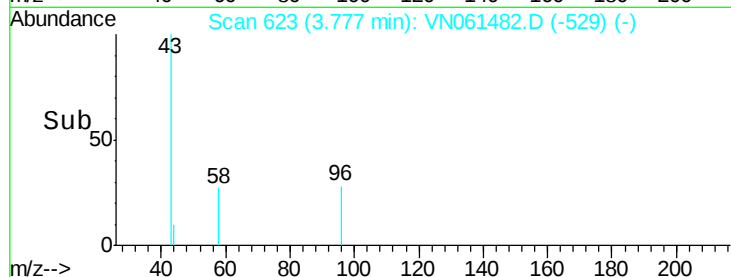
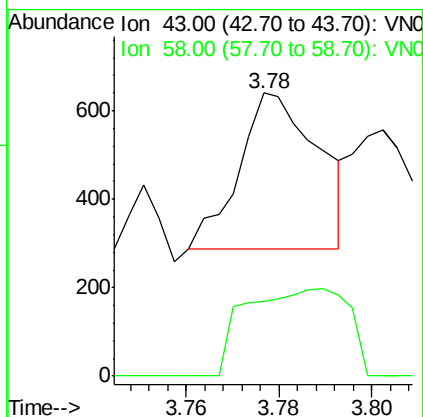
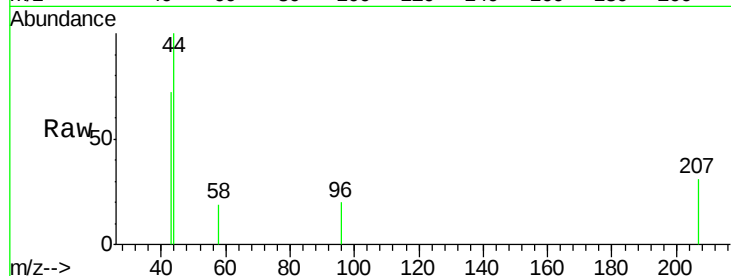




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

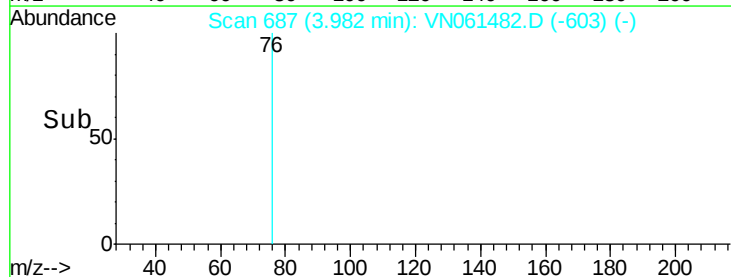
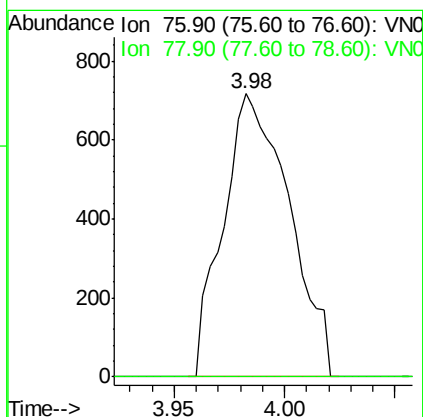
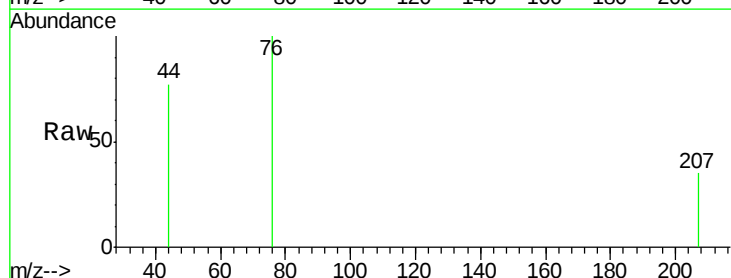
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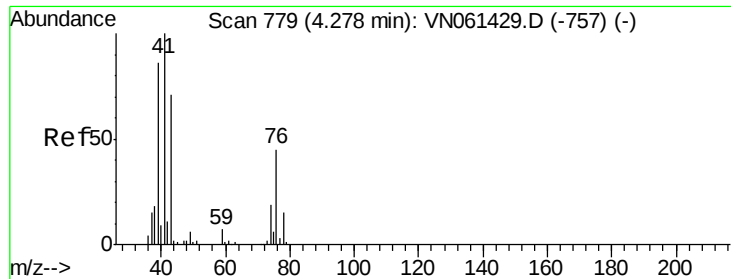
Tot Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 48.3 25.6 38.4#



#17
Carbon Disulfide
Concen: Below Cal
RT: 3.98 min Scan# 687
Delta R.T. -0.03 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 76 Resp: 1488
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

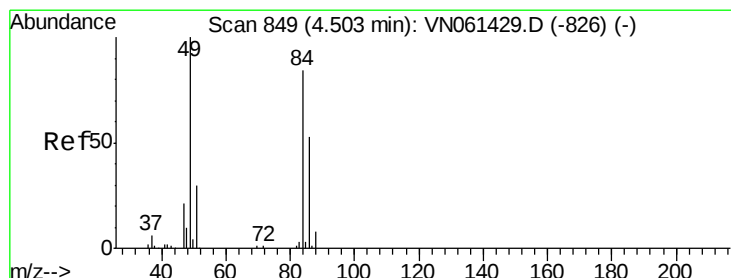
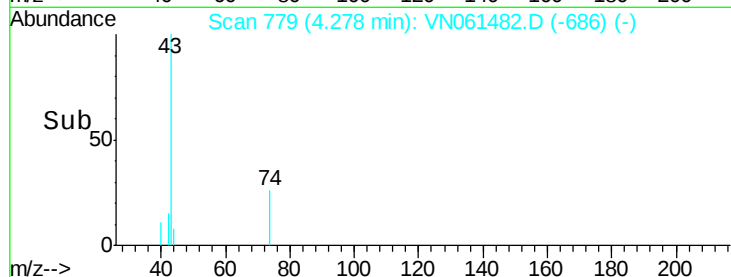
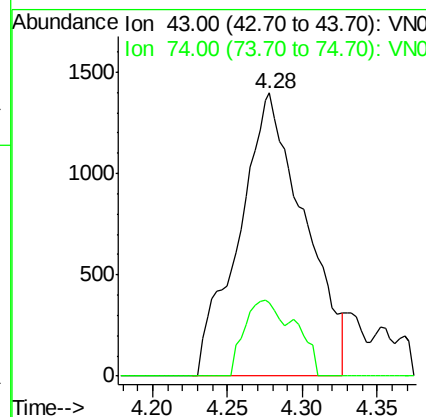
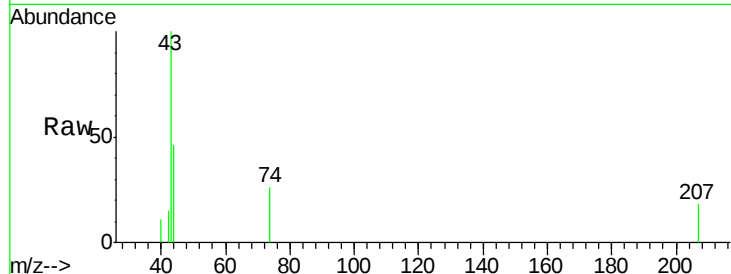




#18
Methyl Acetate
Concen: 0.839 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

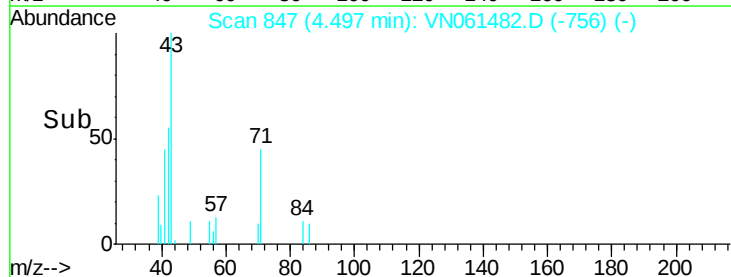
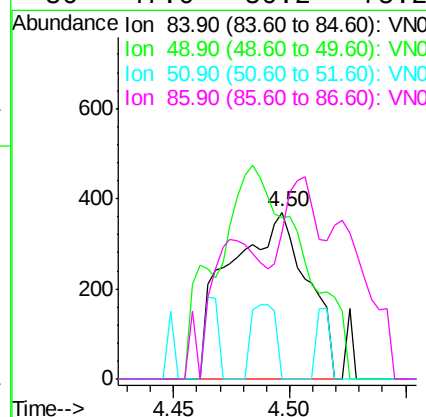
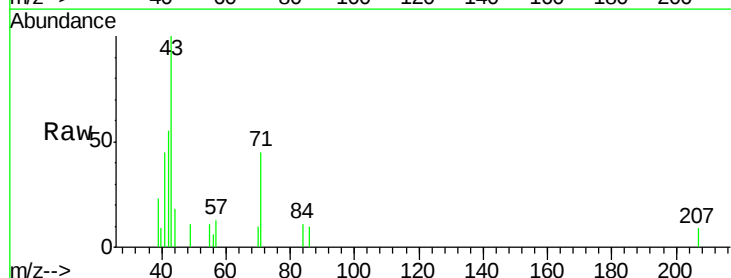
Instrument :
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ClientSampleId :
SB-4-14.0-14.5ME

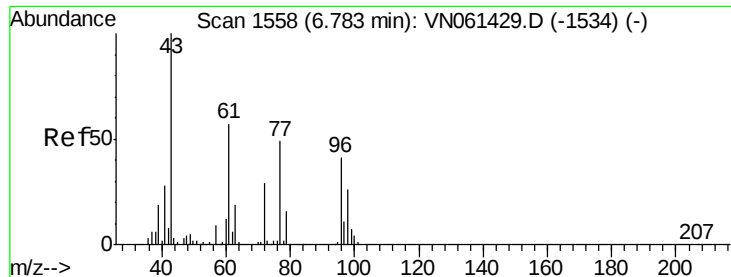
Tot Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
74 14.6 20.8 31.2#



#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 84 Resp: 857
Ion Ratio Lower Upper
84 100
49 56.2 95.3 142.9#
51 0.0 29.0 43.6#
86 47.0 50.2 75.2#

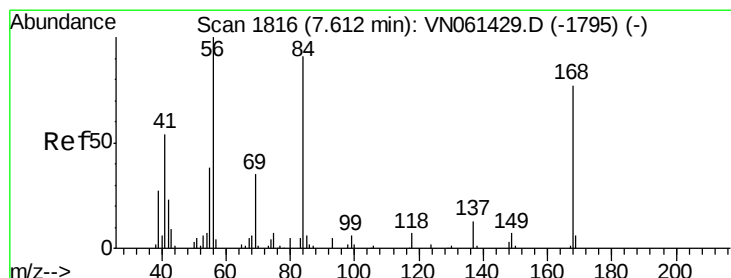
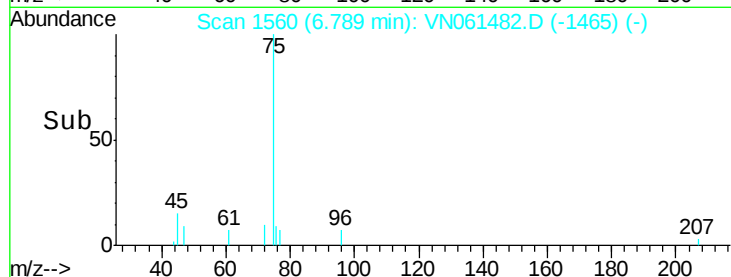
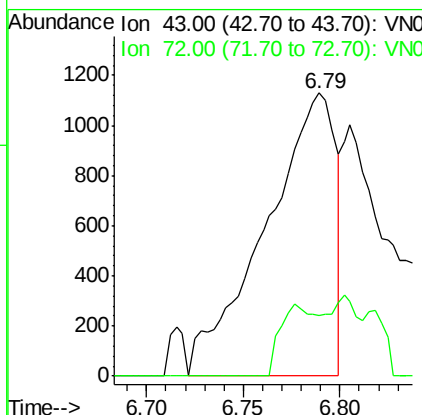
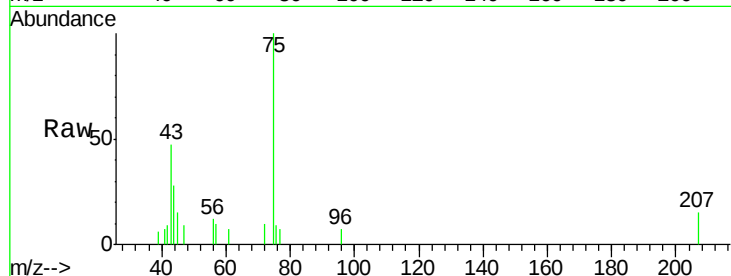




#25
2-Butanone
Concen: 1.900 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

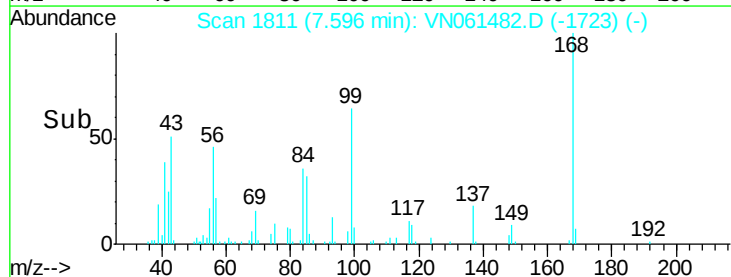
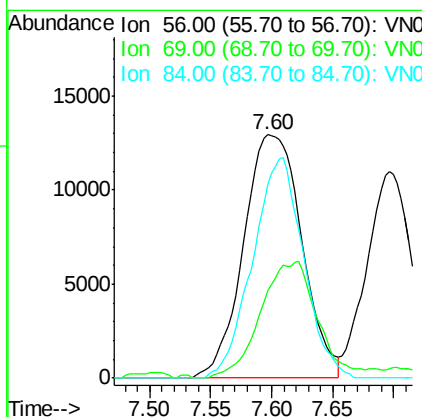
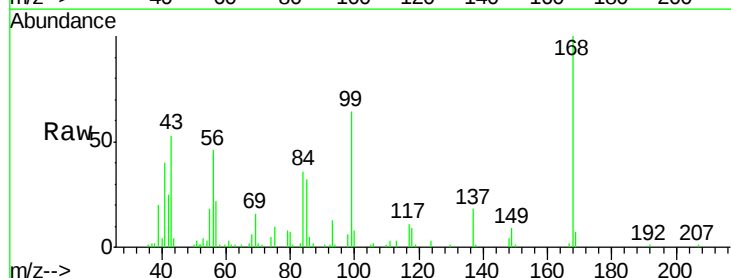
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

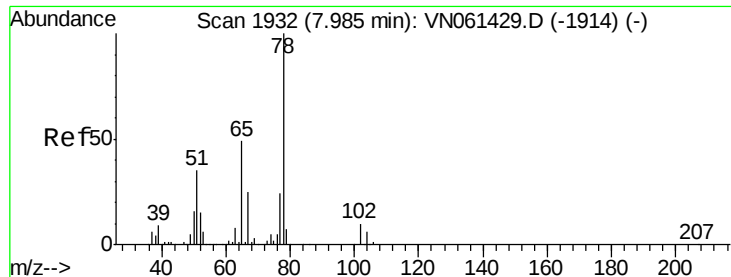
Tot Ion: 43 Resp: 2836
Ion Ratio Lower Upper
43 100
72 21.6 23.0 34.6#



#31
Cyclohexane
Concen: 7.629 ug/l
RT: 7.60 min Scan# 1811
Delta R.T. -0.02 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 56 Resp: 42917
Ion Ratio Lower Upper
56 100
69 34.5 27.8 41.6
84 79.3 72.7 109.1

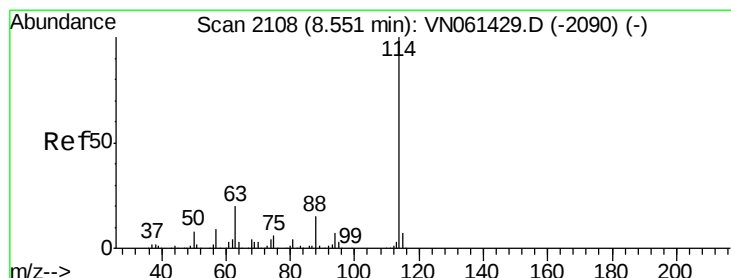
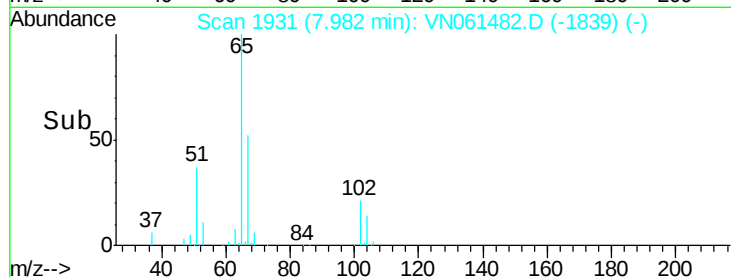
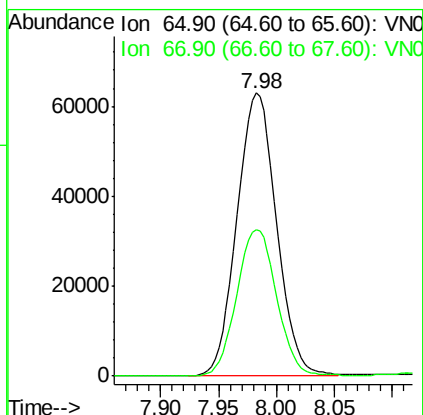
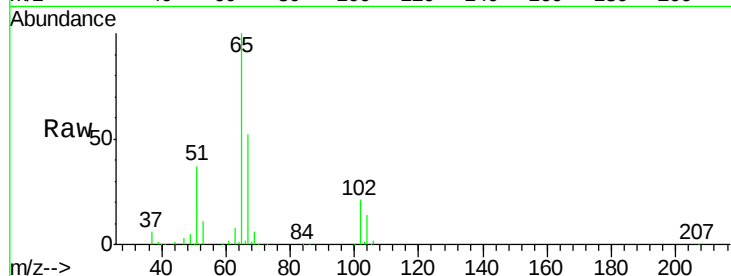




#33
 1,2-Dichloroethane-d4
 Concen: 45.732 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

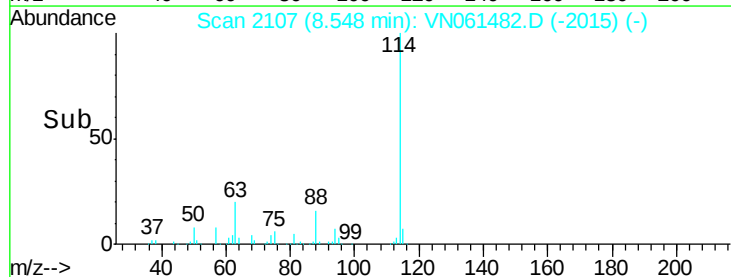
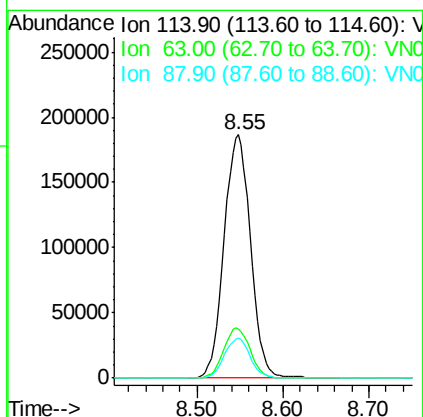
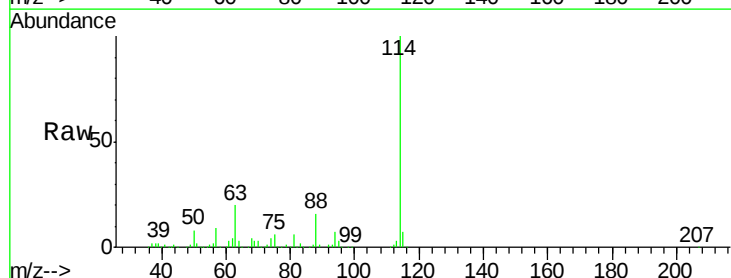
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

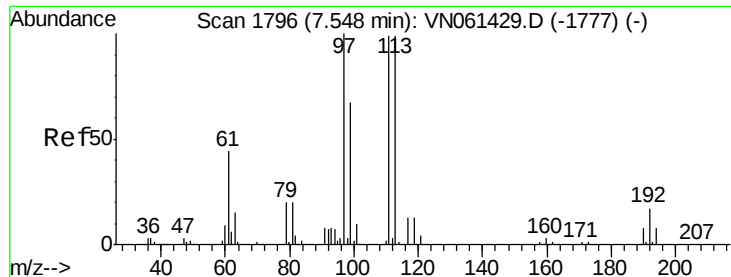
Tot Ion: 65 Resp: 149934
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion: 114 Resp: 398527
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.948 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

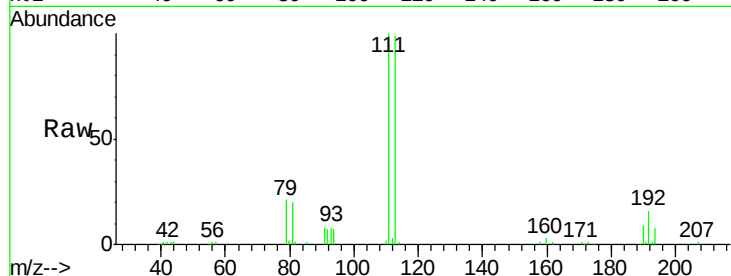
Tot Ion:113 Resp: 104280

Ion Ratio Lower Upper

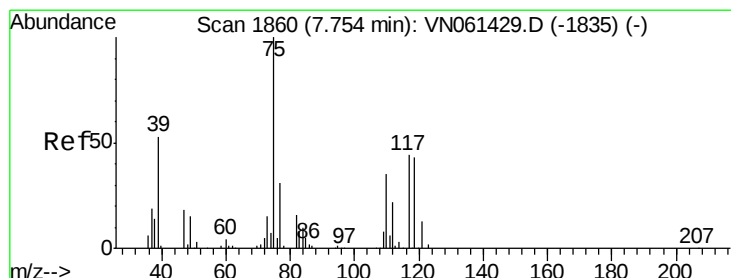
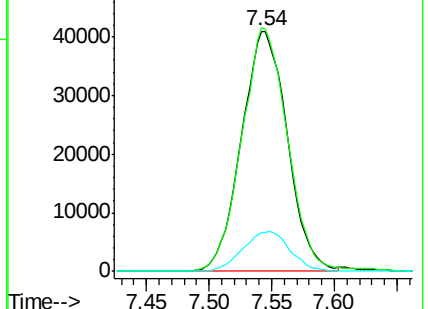
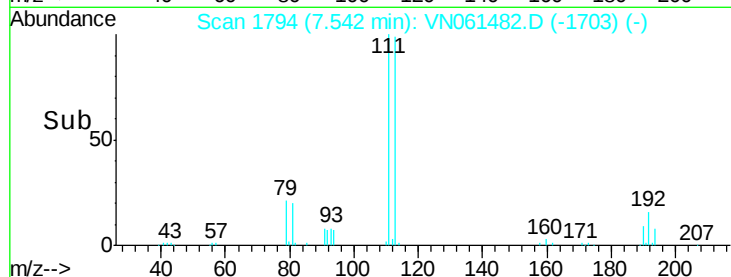
113 100

111 100.6 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: 5.063 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

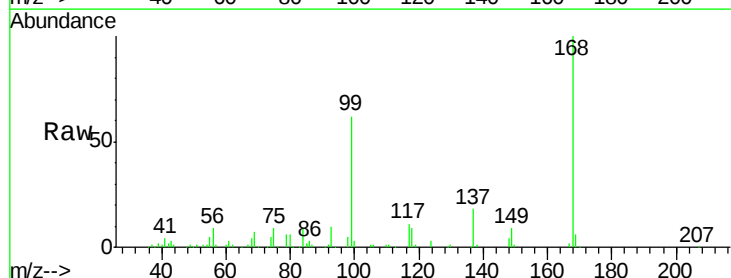
Tgt Ion: 75 Resp: 18867

Ion Ratio Lower Upper

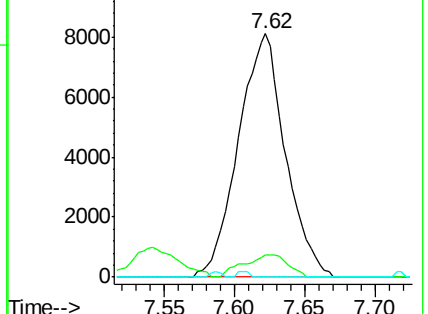
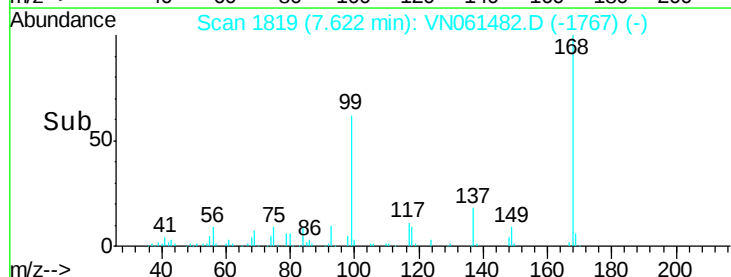
75 100

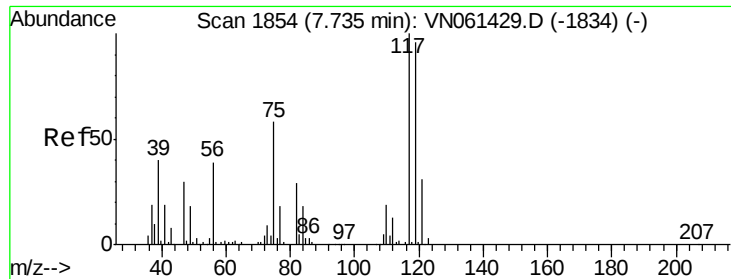
110 8.6 17.3 51.9#

77 0.5 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.783 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

SB-4-14.0-14.5ME

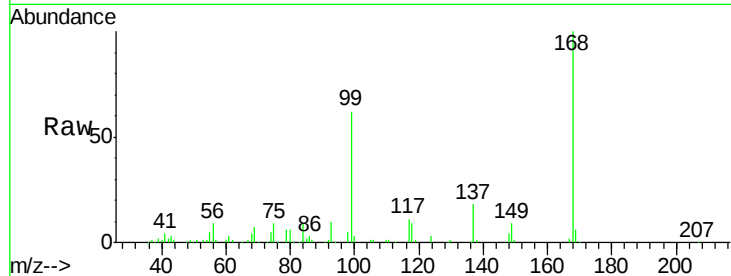
Tot Ion:117 Resp: 23273

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.6#

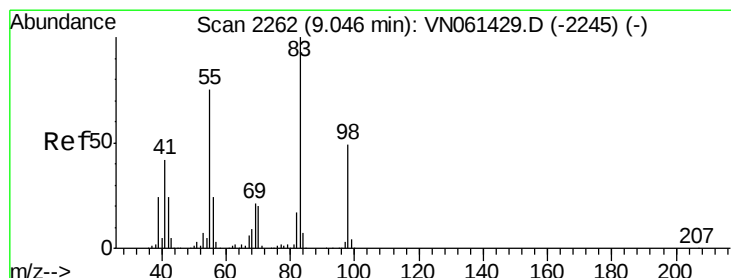
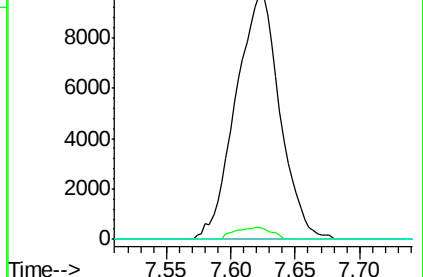
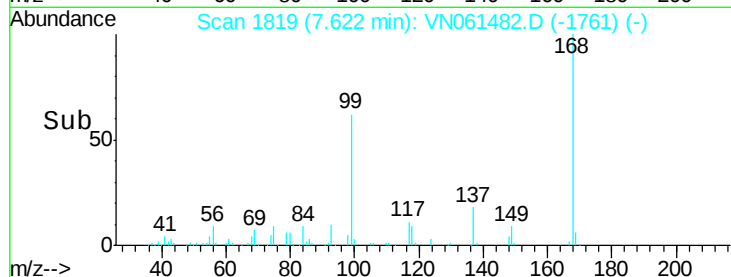
121 0.0 24.7 37.1#



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

Methylcyclohexane

Concen: 54.883 ug/l

RT: 9.04 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

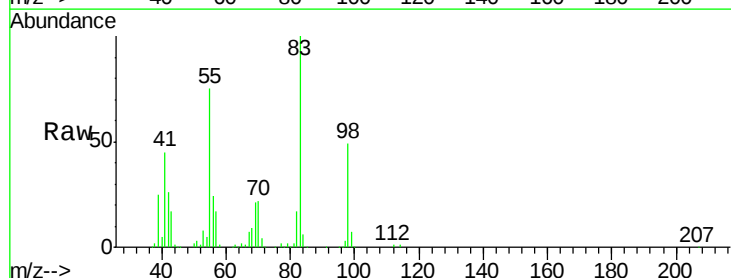
Tgt Ion: 83 Resp: 249795

Ion Ratio Lower Upper

83 100

55 74.7 59.7 89.5

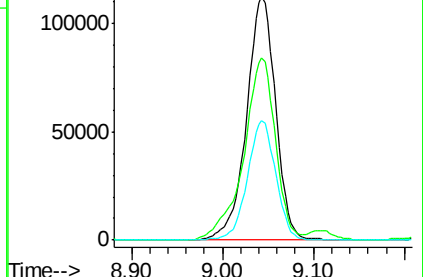
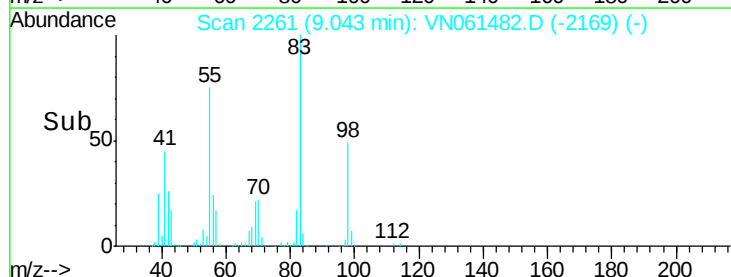
98 49.0 38.9 58.3

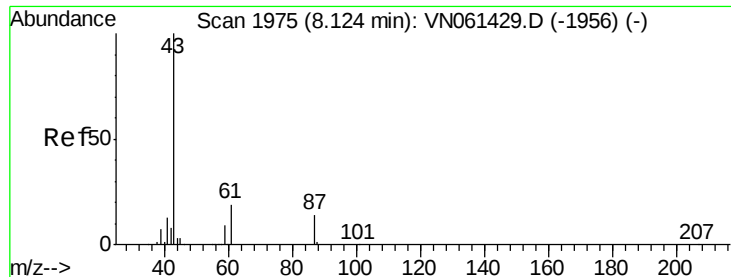


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

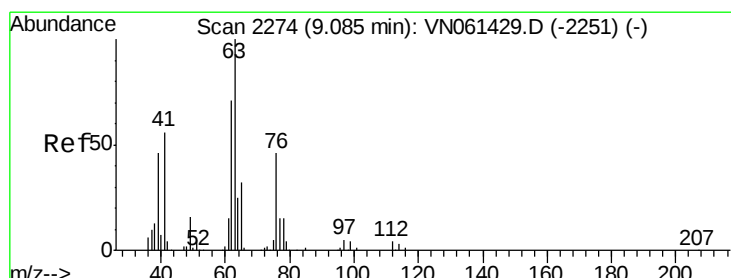
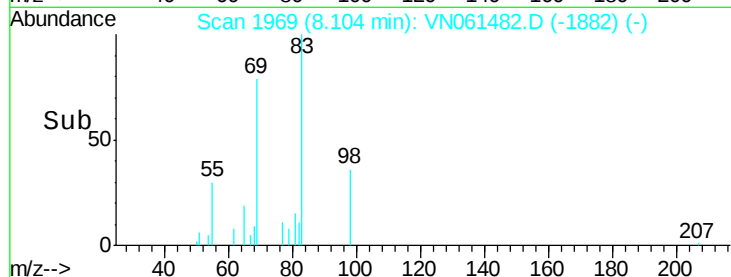
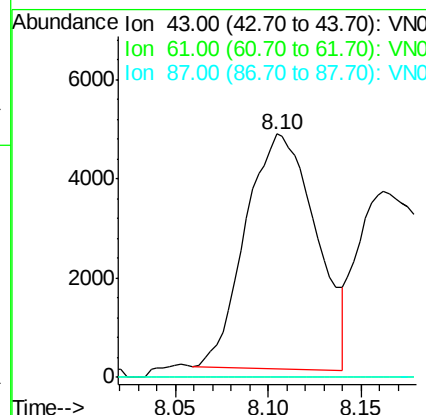
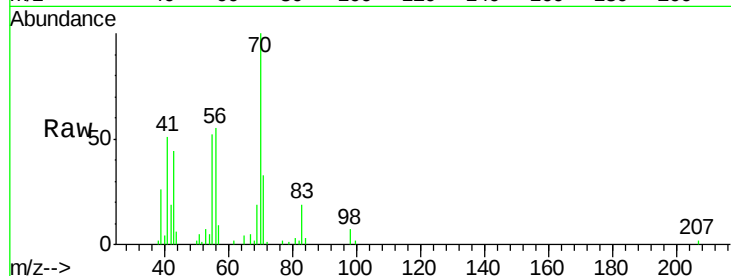




#43
Isopropyl Acetate
Concen: 2.129 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.02 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

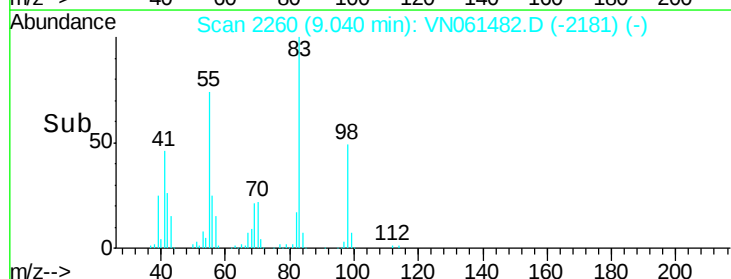
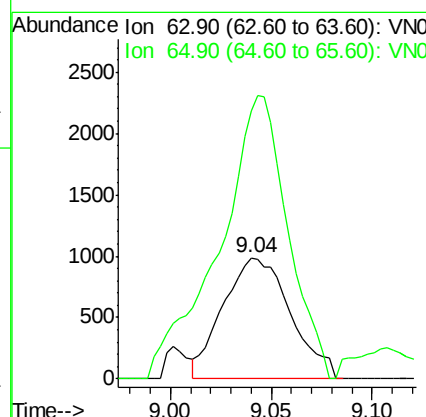
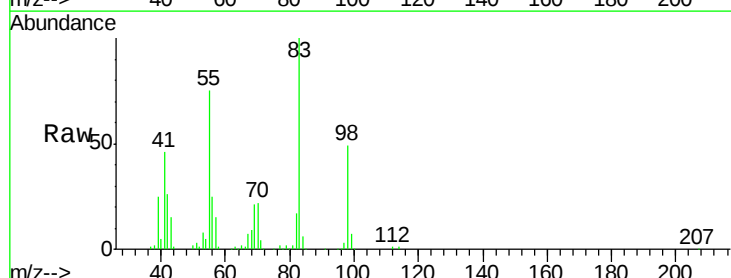
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

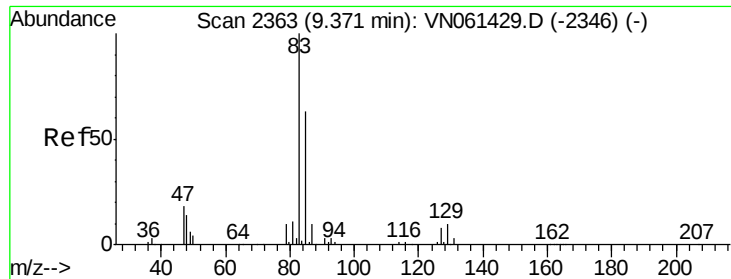
Tot Ion: 43 Resp: 12551
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.4#
87 0.0 11.6 17.4#



#45
1,2-Dichloropropane
Concen: 0.819 ug/l
RT: 9.04 min Scan# 2260
Delta R.T. -0.04 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 63 Resp: 2303
Ion Ratio Lower Upper
63 100
65 205.7 25.2 37.8#





#47

Bromodichloromethane

Concen: 1.272 ug/l

RT: 9.34 min Scan# 2352

Delta R.T. -0.04 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

SB-4-14.0-14.5ME

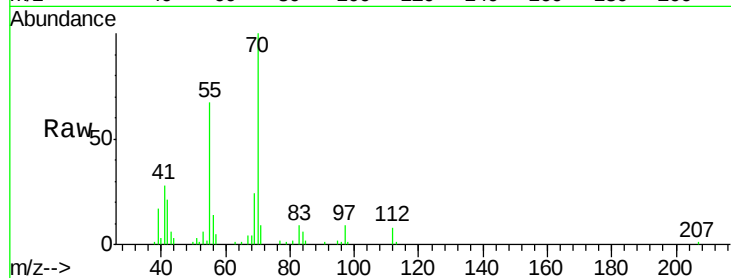
Tot Ion: 83 Resp: 5283

Ion Ratio Lower Upper

83 100

85 20.1 50.6 76.0#

127 0.0 6.1 9.1#

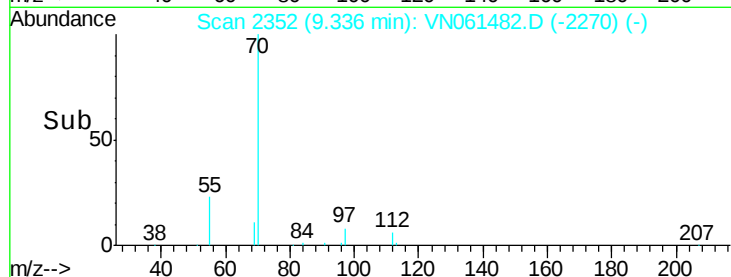


Abundance Ion 82.90 (82.60 to 83.60): VN061482.D (-2270) (-)

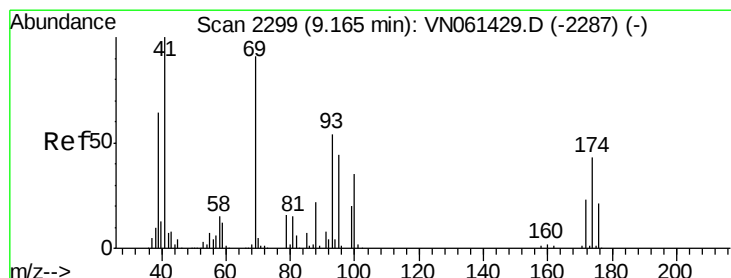
Ion 84.90 (84.60 to 85.60): VN061482.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061482.D (-2270) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 9.602 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.06 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

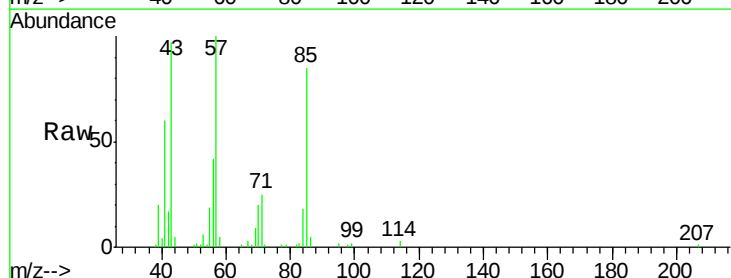
Tgt Ion: 41 Resp: 26145

Ion Ratio Lower Upper

41 100

69 14.3 75.3 112.9#

39 37.0 52.6 79.0#

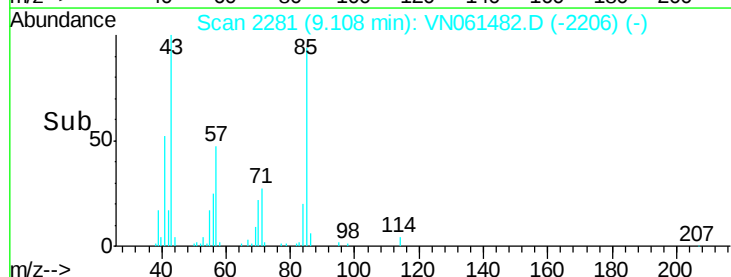


Abundance Ion 41.00 (40.70 to 41.70): VN061482.D (-2206) (-)

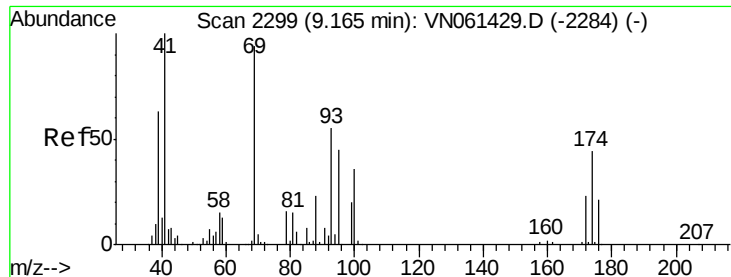
Ion 69.00 (68.70 to 69.70): VN061482.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061482.D (-2206) (-)

Time-->



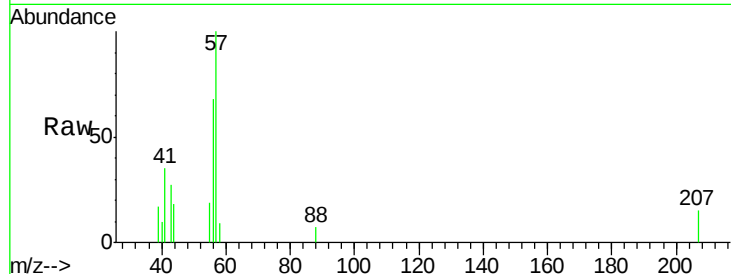
Time-->



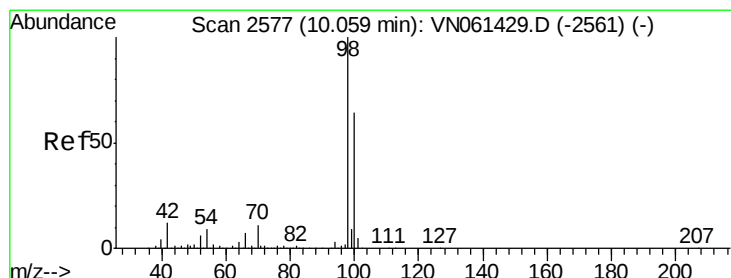
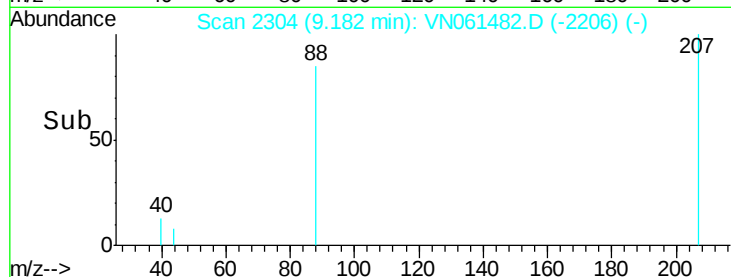
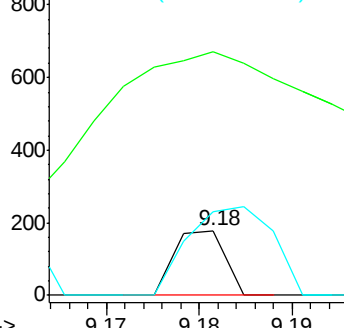
#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.02 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

Tot Ion: 88 Resp: 68
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.3 39.5#
 58 226.5 54.1 81.1#

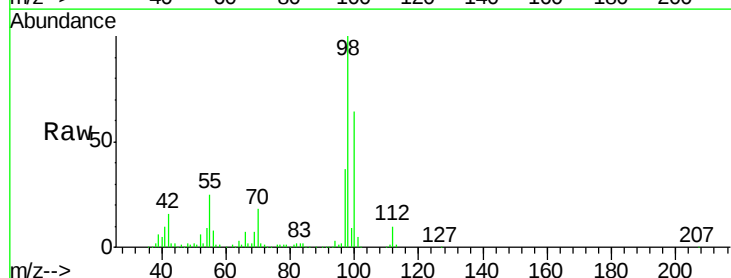


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

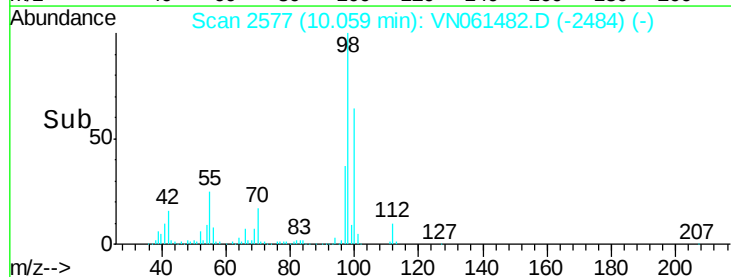
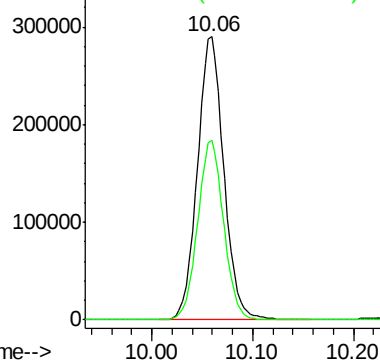


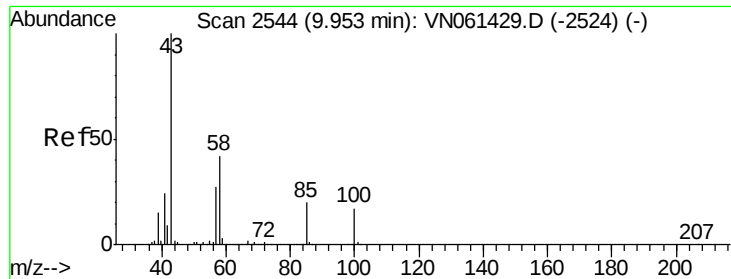
#50
 Toluene-d8
 Concen: 54.660 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion: 98 Resp: 529300
 Ion Ratio Lower Upper
 98 100
 100 62.4 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: 4.334 ug/l

RT: 10.05 min Scan# 2575

Delta R.T. 0.10 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

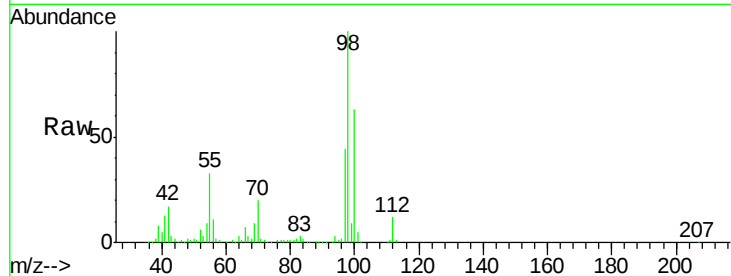
SB-4-14.0-14.5ME

Tot Ion: 43 Resp: 13917

Ion Ratio Lower Upper

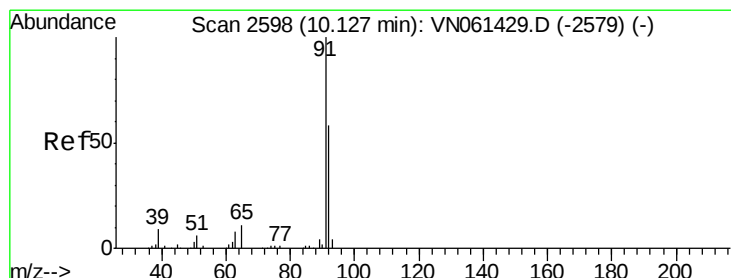
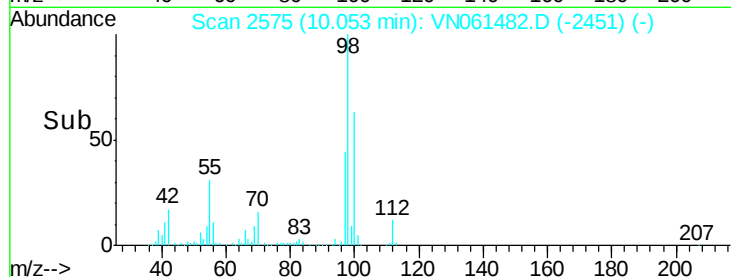
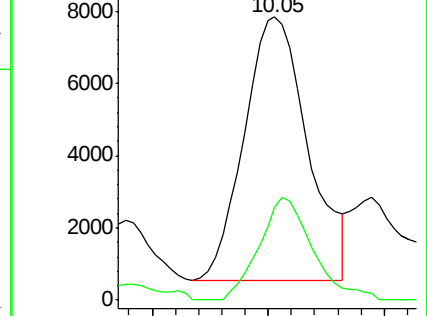
43 100

58 32.8 33.4 50.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.286 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.01 min

Lab File: VN061482.D

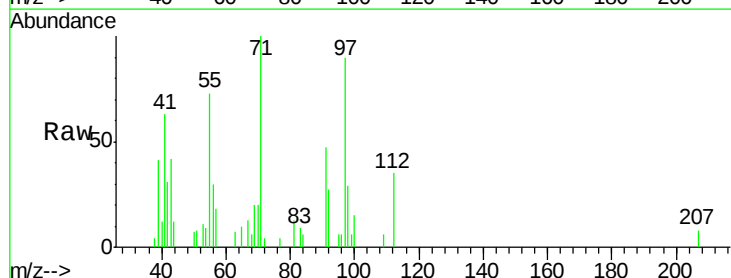
Acq: 19 May 2020 14:46

Tgt Ion: 92 Resp: 2064

Ion Ratio Lower Upper

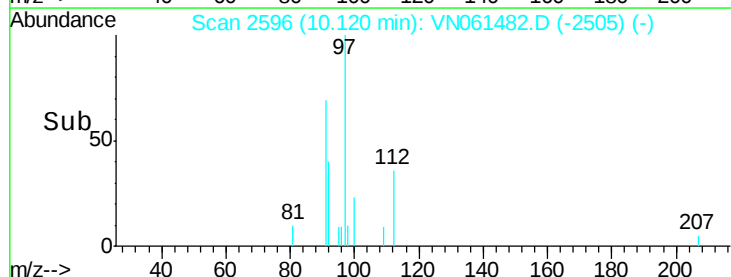
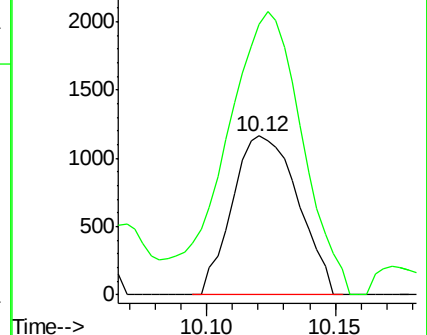
92 100

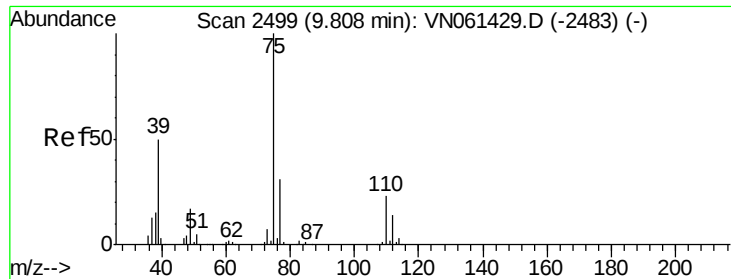
91 206.4 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

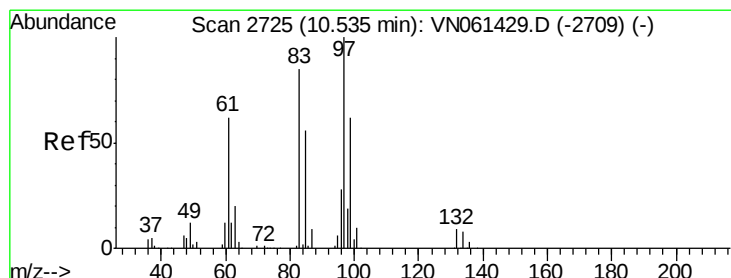
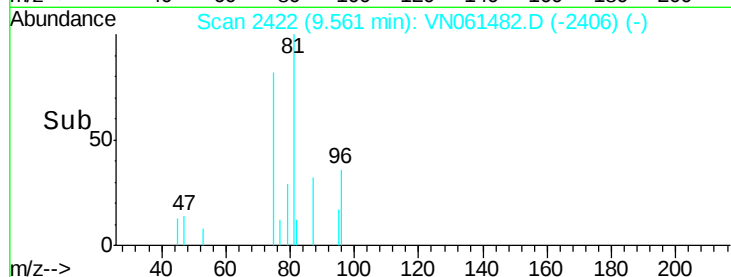
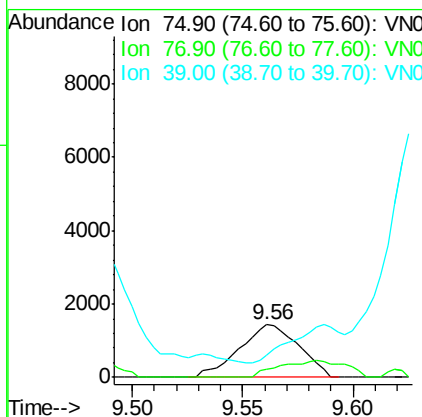
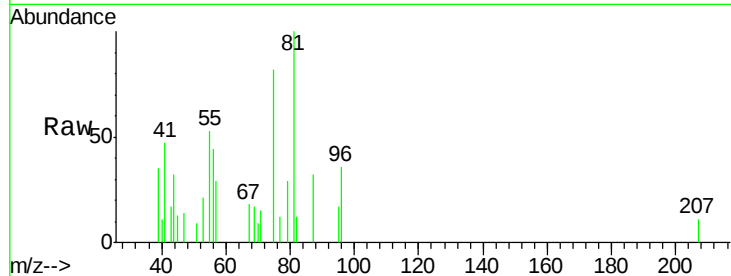




#54
 cis-1,3-Dichloropropene
 Concen: 0.551 ug/l
 RT: 9.56 min Scan# 2422
 Delta R.T. -0.25 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

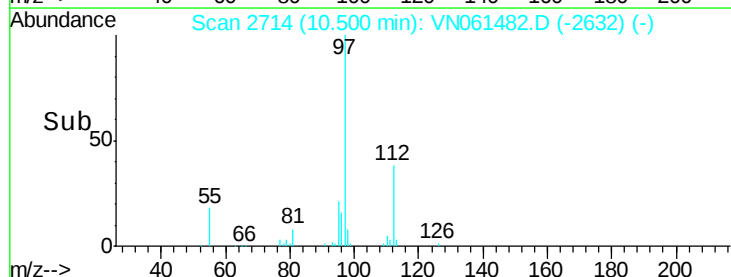
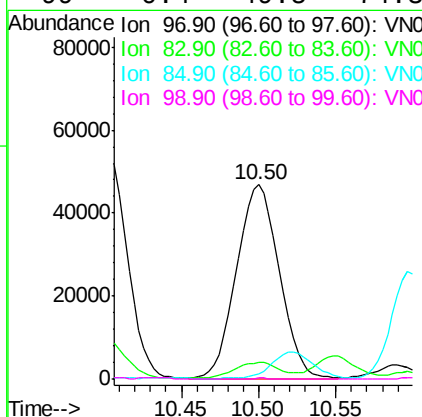
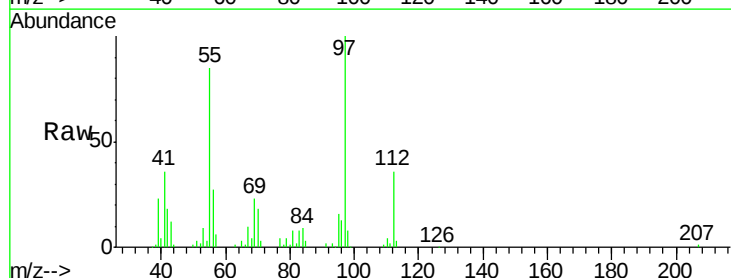
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

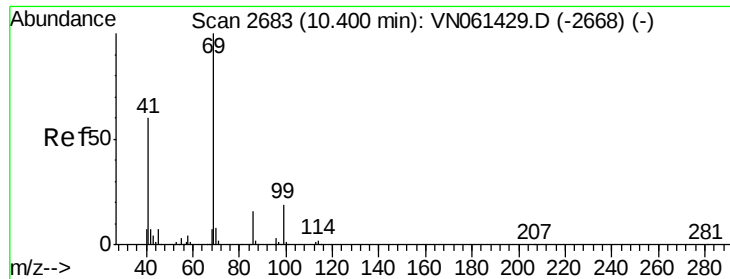
Tot Ion: 75 Resp: 2666
 Ion Ratio Lower Upper
 75 100
 77 15.1 24.8 37.2#
 39 4.4 39.8 59.6#



#55
 1,1,2-Trichloroethane
 Concen: 33.185 ug/l
 RT: 10.50 min Scan# 2714
 Delta R.T. -0.04 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion: 97 Resp: 90454
 Ion Ratio Lower Upper
 97 100
 83 7.9 68.2 102.4#
 85 2.5 44.6 67.0#
 99 0.4 49.5 74.3#





#56

Ethyl methacrylate

Concen: 6.610 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

SB-4-14.0-14.5ME

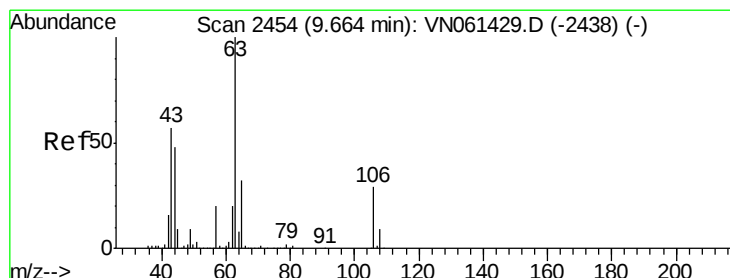
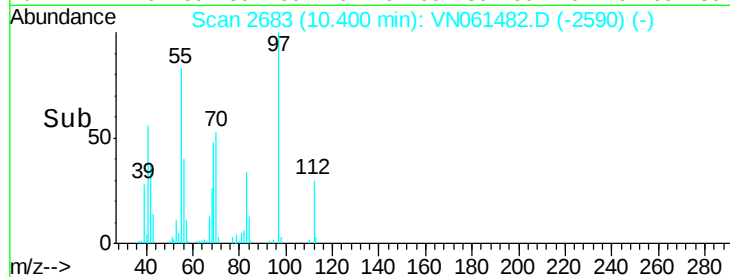
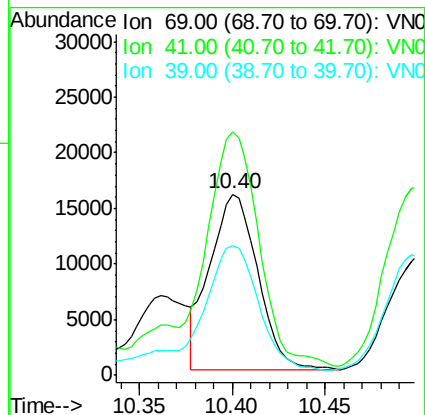
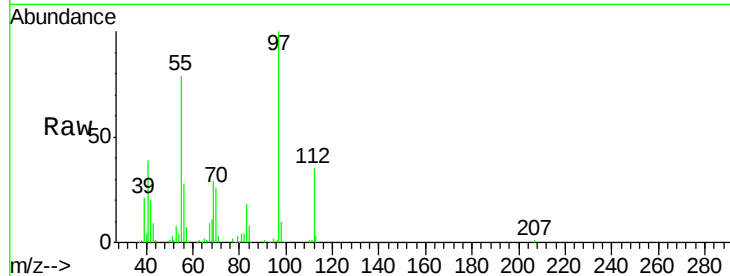
Tot Ion: 69 Resp: 28169

Ion Ratio Lower Upper

69 100

41 143.8 48.3 72.5#

39 78.8 30.2 45.2#



#58

2-Chloroethyl Vinyl ether

Concen: 0.261 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN061482.D

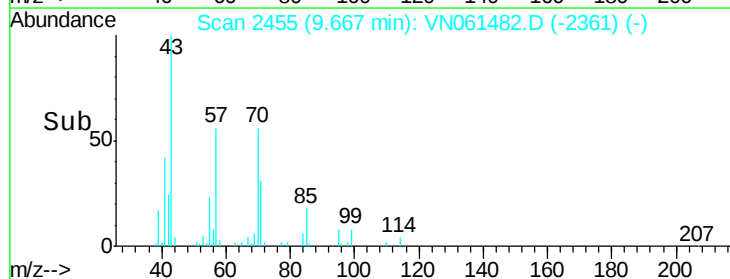
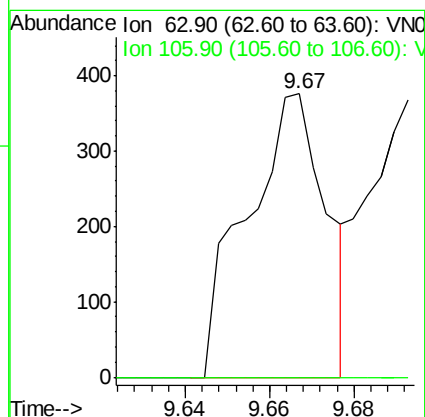
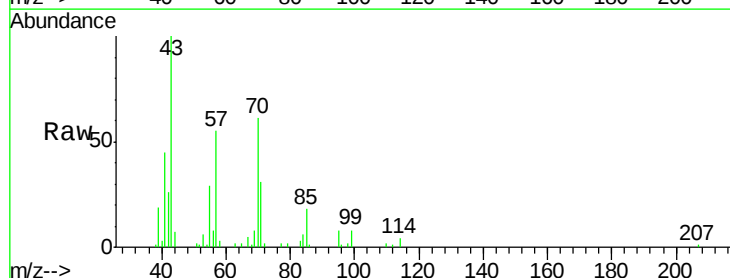
Acq: 19 May 2020 14:46

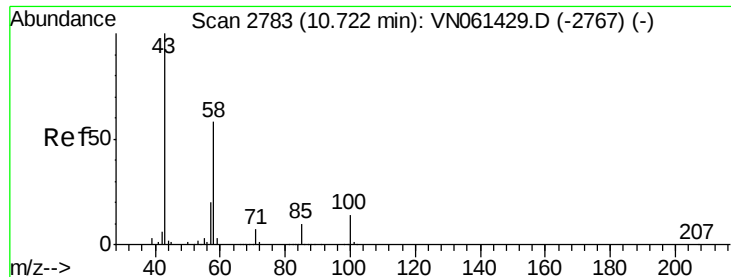
Tgt Ion: 63 Resp: 488

Ion Ratio Lower Upper

63 100

106 0.0 22.7 34.1#

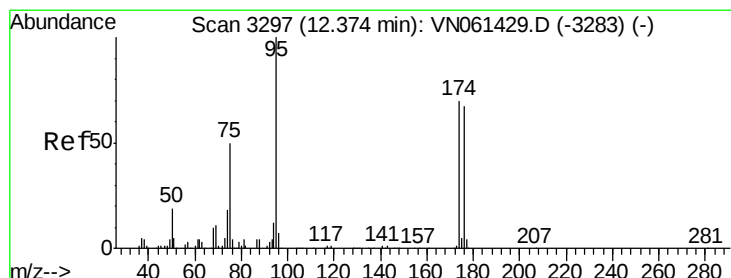
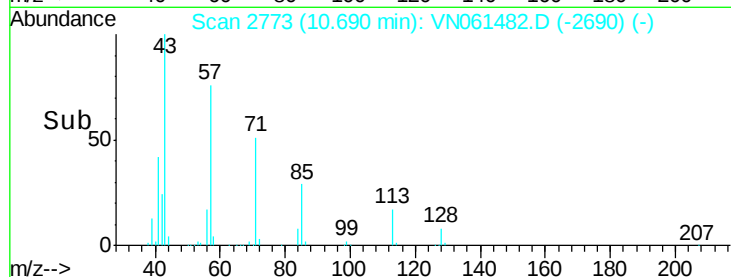
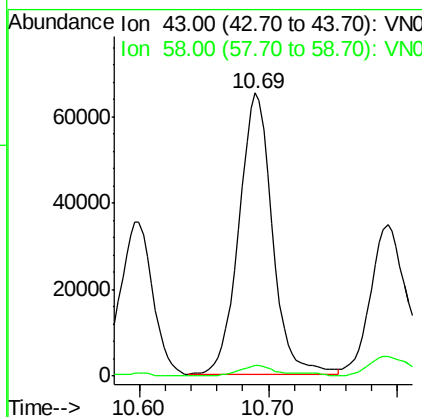
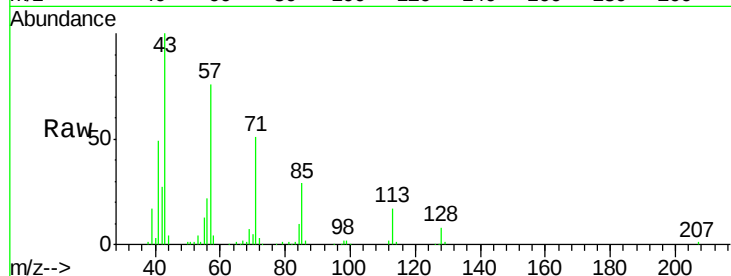




#59
2-Hexanone
Concen: 50.298 ug/l
RT: 10.69 min Scan# 2773
Delta R.T. -0.03 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

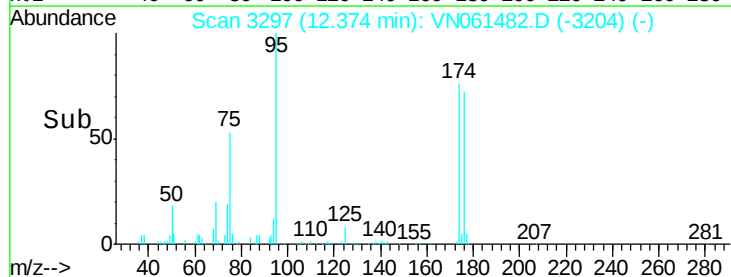
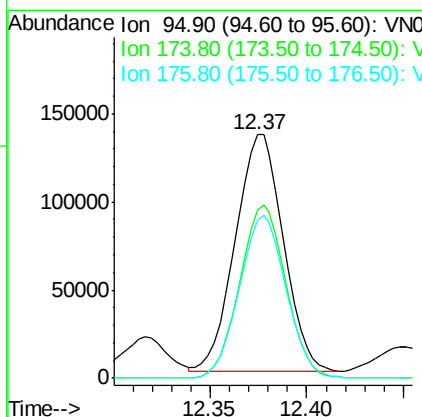
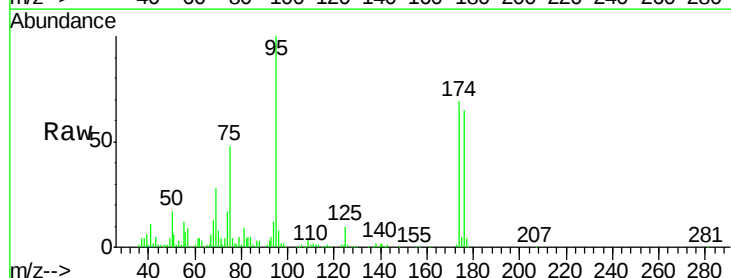
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

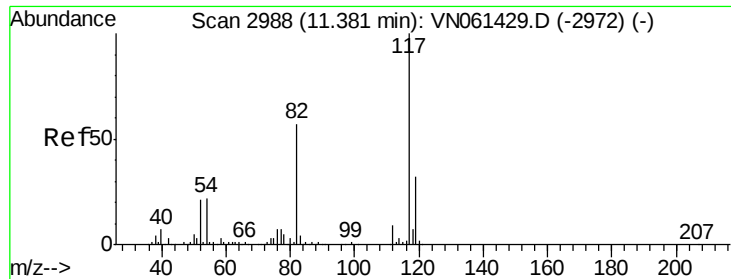
Tot Ion: 43 Resp: 116844
Ion Ratio Lower Upper
43 100
58 4.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 63.844 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 95 Resp: 230978
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.2
176 67.3 0.0 137.6

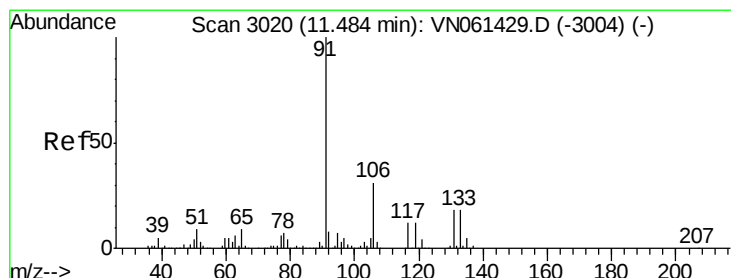
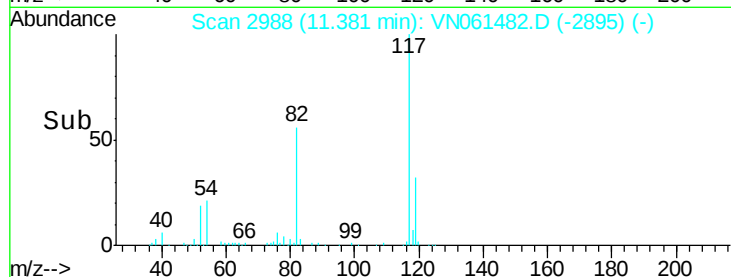
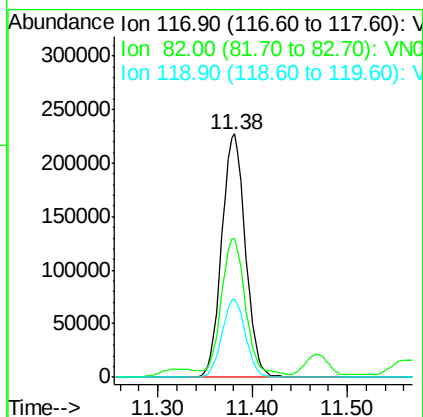
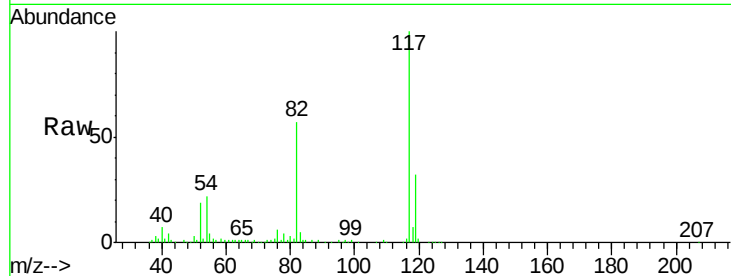




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

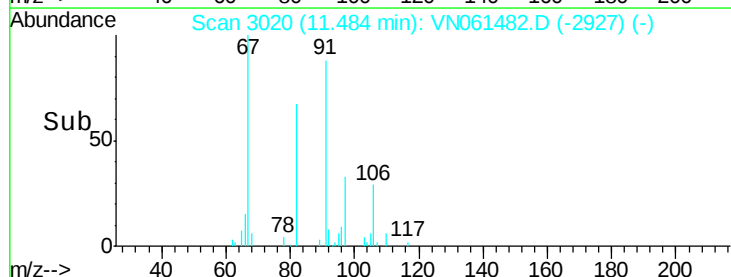
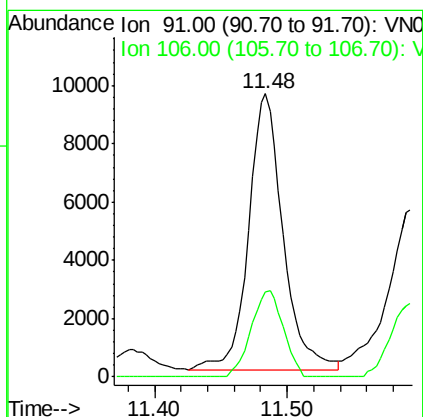
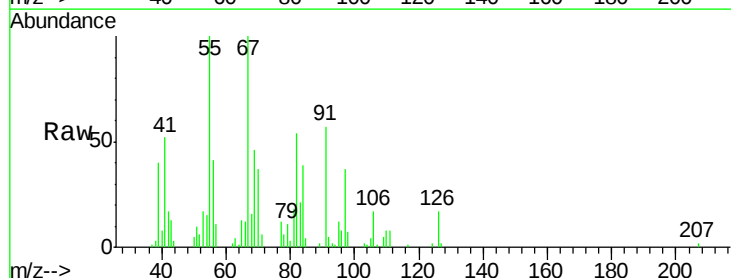
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

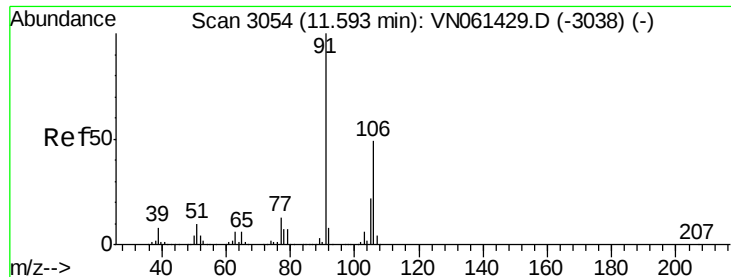
Tot Ion:117 Resp: 395026
Ion Ratio Lower Upper
117 100
82 54.8 45.2 67.8
119 32.1 25.3 37.9



#67
Ethyl Benzene
Concen: 1.162 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 91 Resp: 17083
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

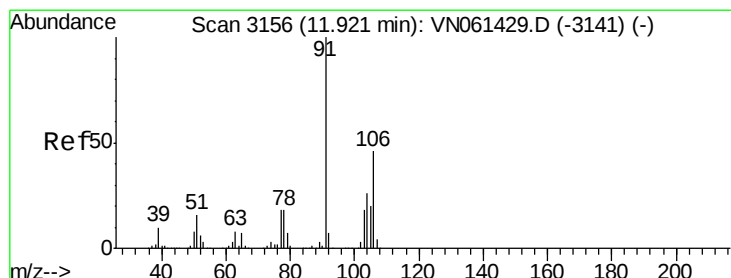
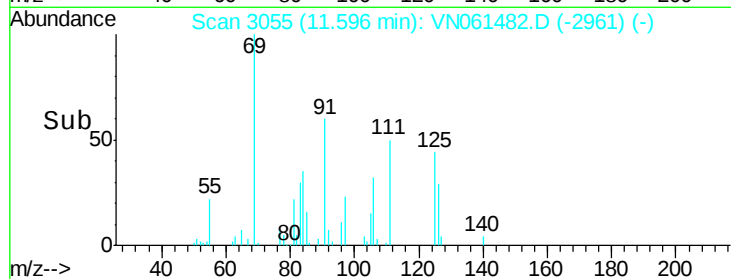
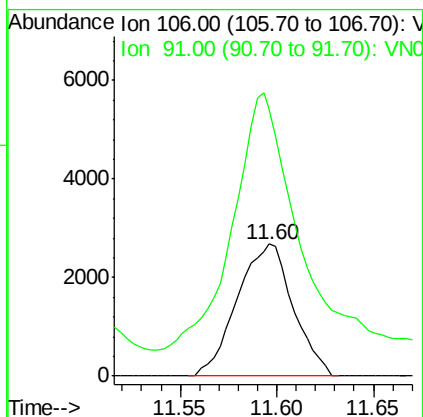
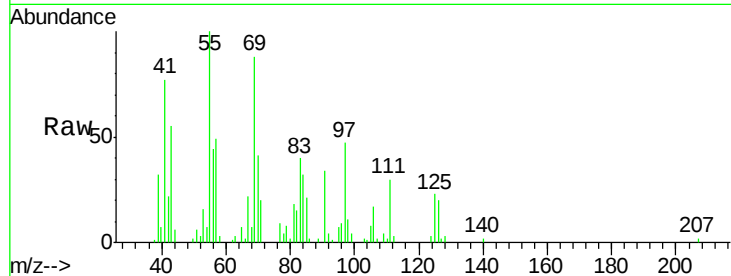




#68
m/p-Xylenes
Concen: 0.963 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

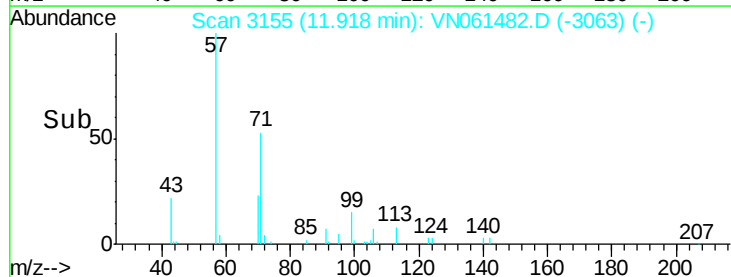
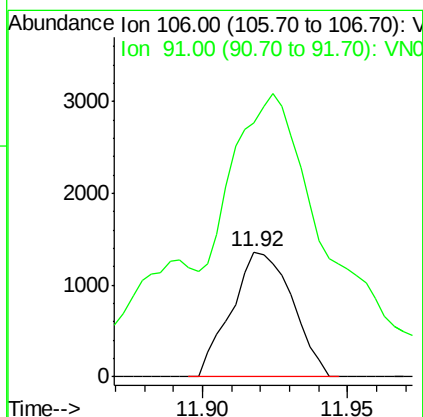
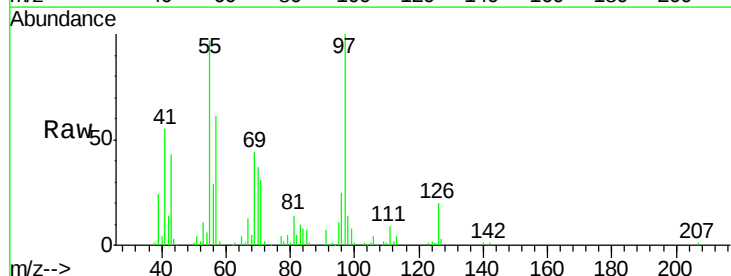
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

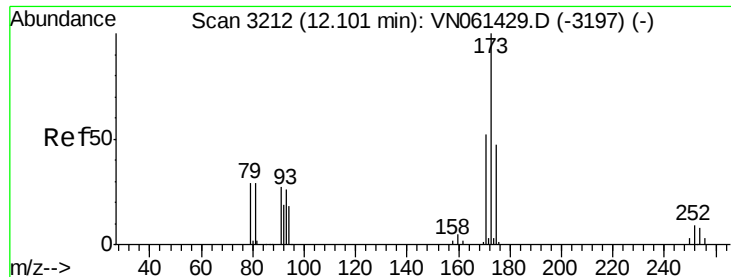
Tot Ion:106 Resp: 5376
Ion Ratio Lower Upper
106 100
91 228.7 163.0 244.6



#69
o-Xylene
Concen: 0.367 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion:106 Resp: 1981
Ion Ratio Lower Upper
106 100
91 276.6 107.9 323.7

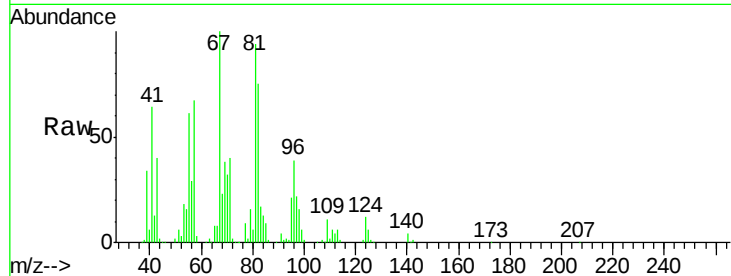




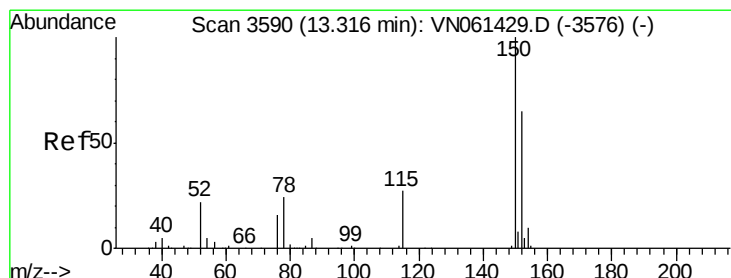
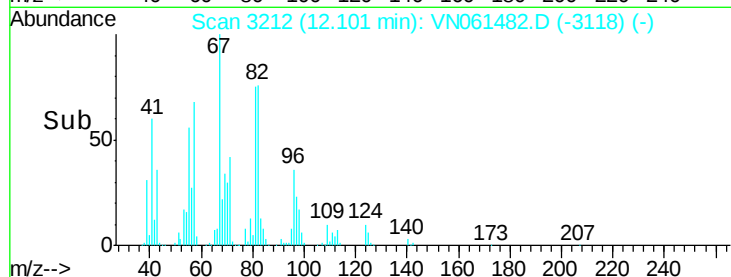
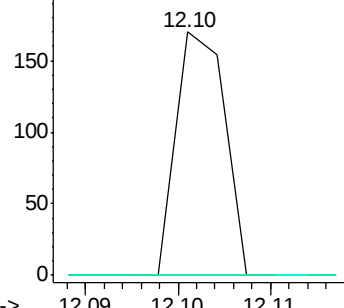
#71
Bromoform
Concen: 2.047 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

Tot Ion:173 Resp: 62
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

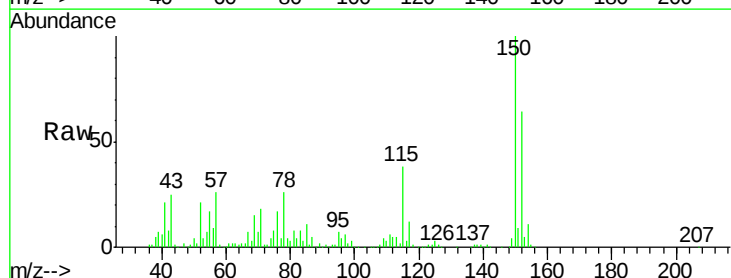


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

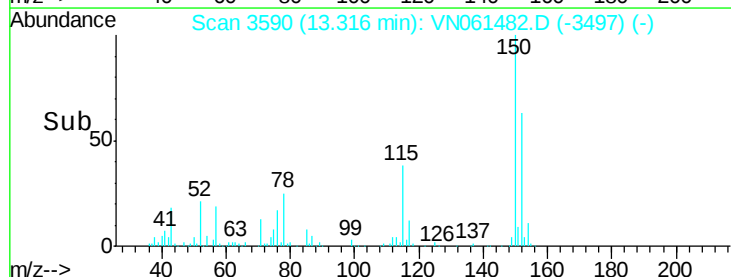
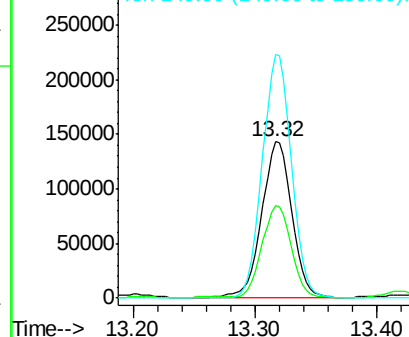


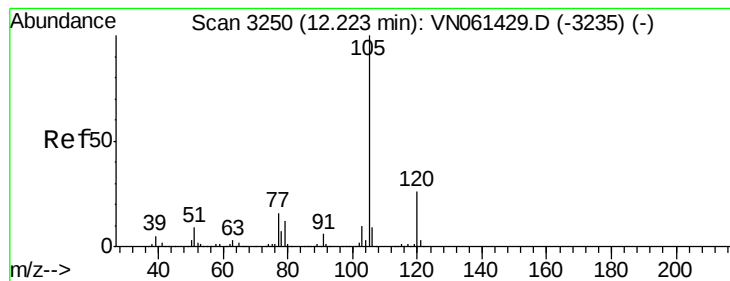
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion:152 Resp: 244222
Ion Ratio Lower Upper
152 100
115 57.4 30.9 92.5
150 151.0 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: 13.601 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

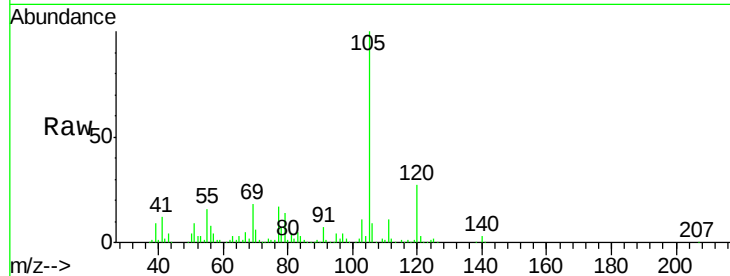
SB-4-14.0-14.5ME

Tot Ion:105 Resp: 266657

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

150000

100000

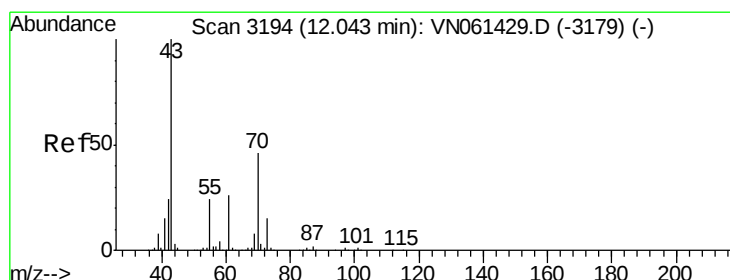
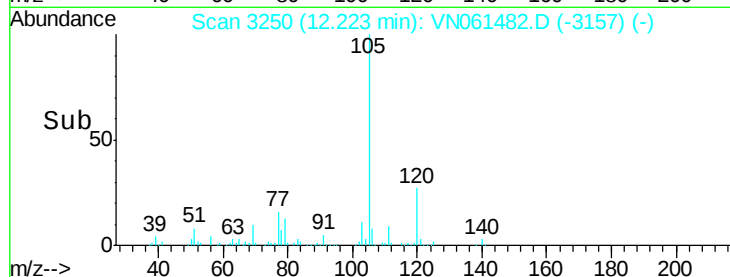
50000

0

Time-->

12.20

12.30



#74

N-ethyl acetate

Concen: 10.986 ug/l

RT: 12.02 min Scan# 3186

Delta R.T. -0.03 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Tgt Ion: 43 Resp: 78839

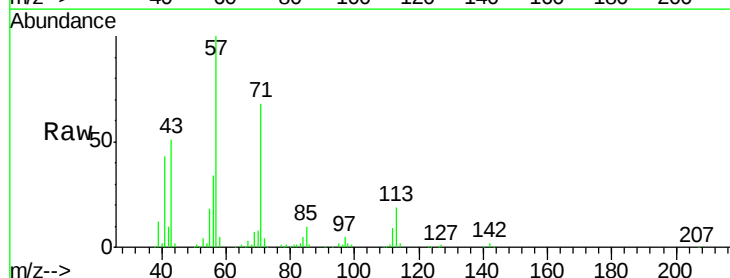
Ion Ratio Lower Upper

43 100

70 8.8 37.0 55.4#

55 0.0 19.5 29.3#

61 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

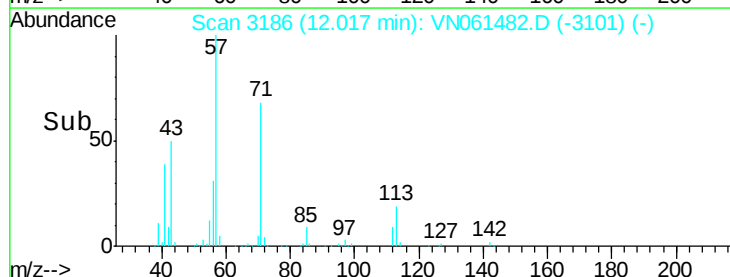
20000

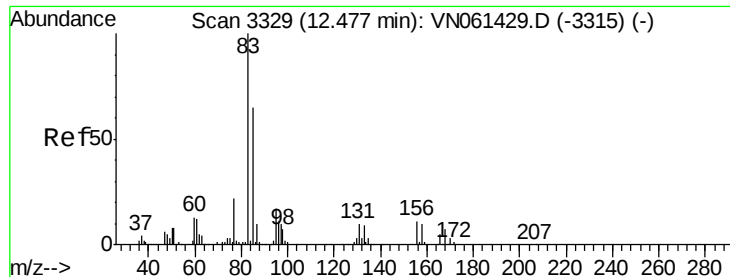
0

Time-->

12.00

12.05





#75

1,1,2,2-Tetrachloroethane

Concen: 3.239 ug/l

RT: 12.43 min Scan# 3314

Delta R.T. -0.05 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

SB-4-14.0-14.5ME

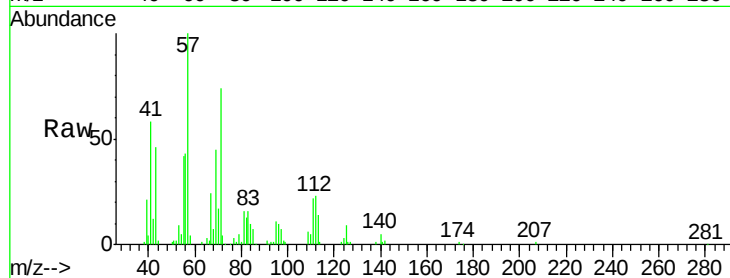
Tot Ion: 83 Resp: 17471

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

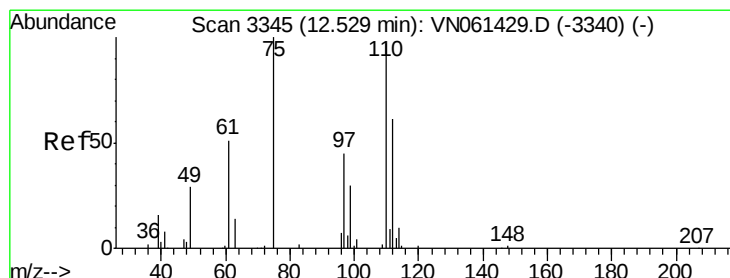
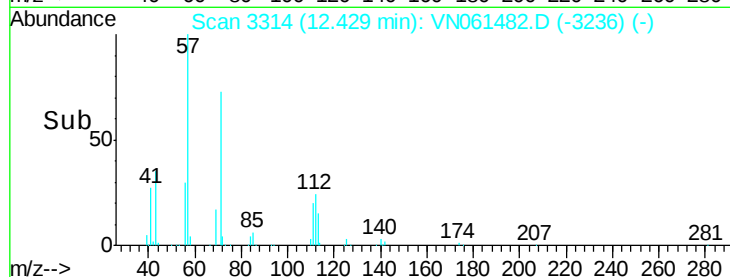
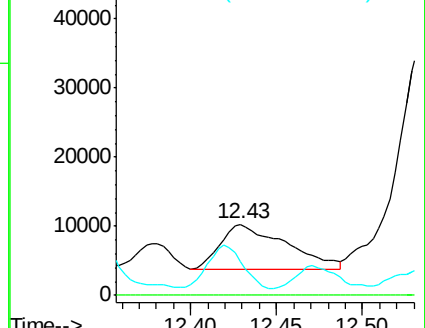
85 50.4 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 1.072 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.04 min

Lab File: VN061482.D

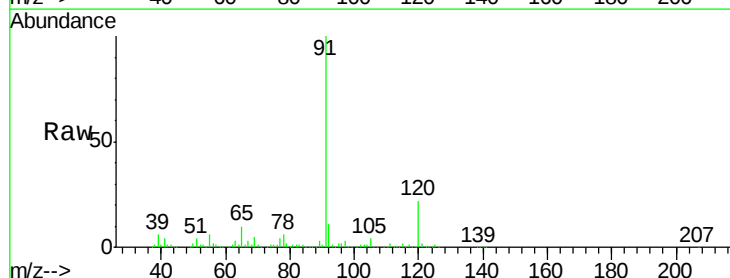
Acq: 19 May 2020 14:46

Tgt Ion: 75 Resp: 5620

Ion Ratio Lower Upper

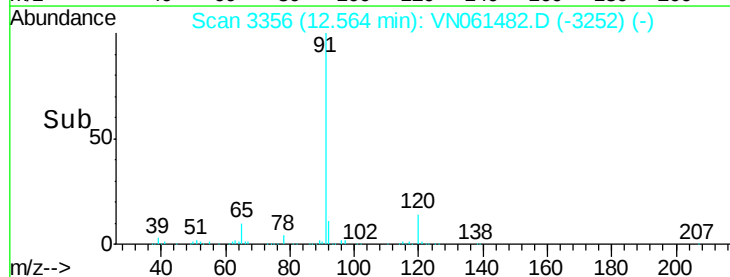
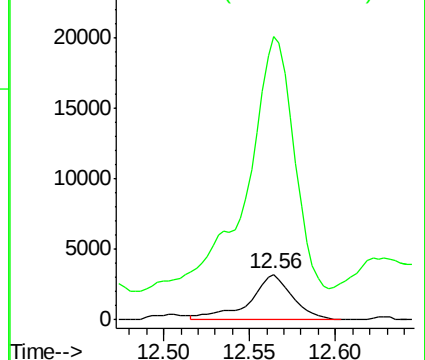
75 100

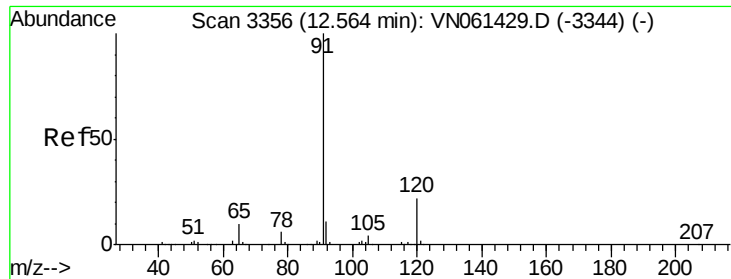
77 626.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 32.983 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

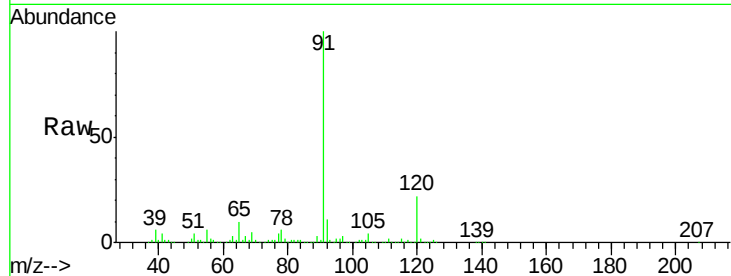
SB-4-14.0-14.5ME

Tot Ion: 91 Resp: 736817

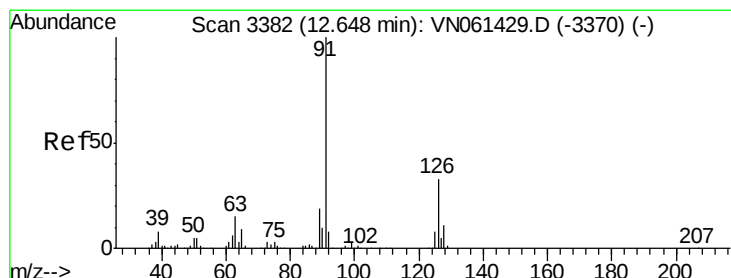
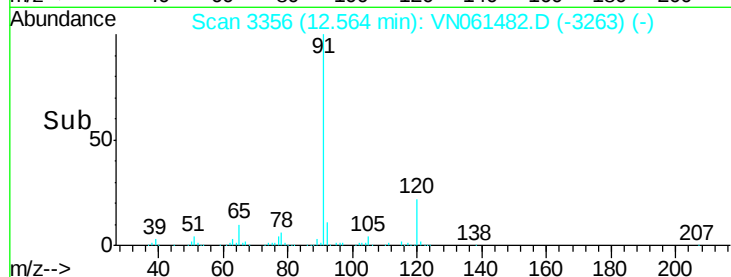
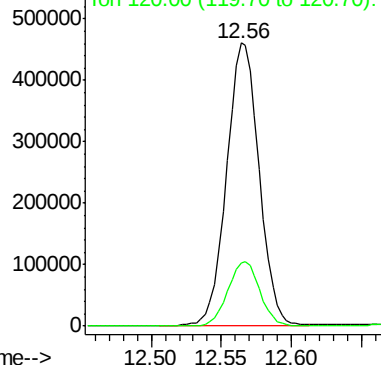
Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN061482.D (-3263) (-)



#79

2-Chlorotoluene

Concen: 55.802 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.08 min

Lab File: VN061482.D

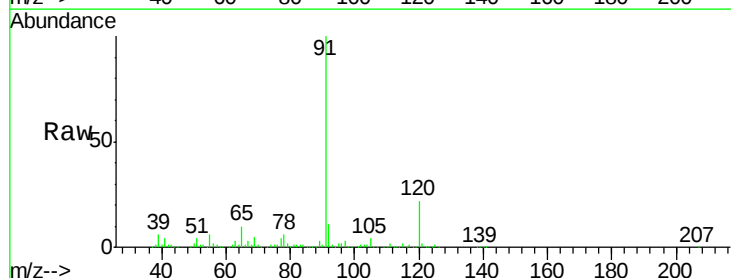
Acq: 19 May 2020 14:46

Tgt Ion: 91 Resp: 736817

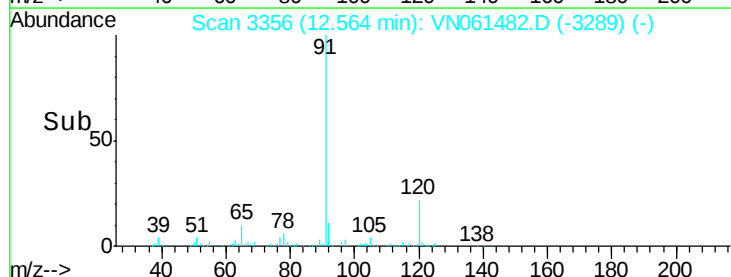
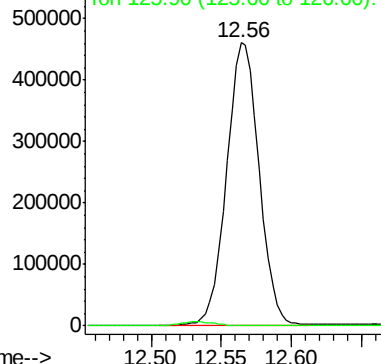
Ion Ratio Lower Upper

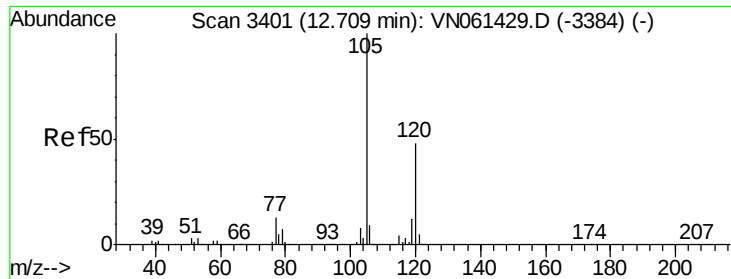
91 100

126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VN061482.D (-3289) (-)

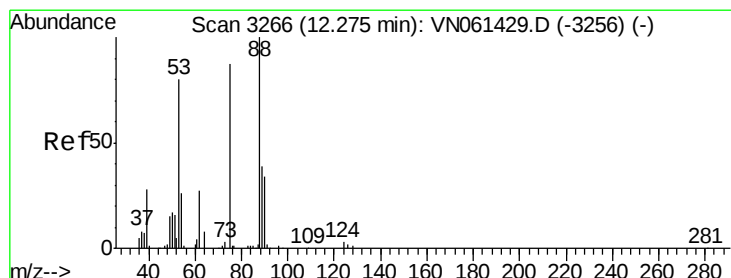
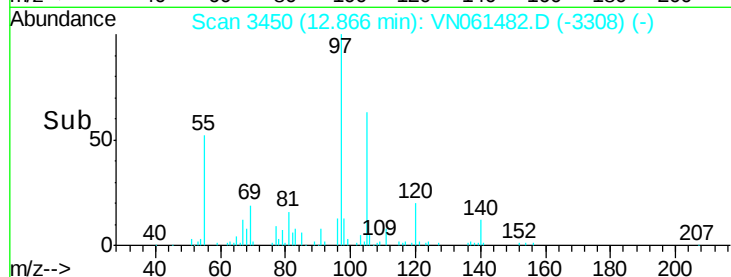
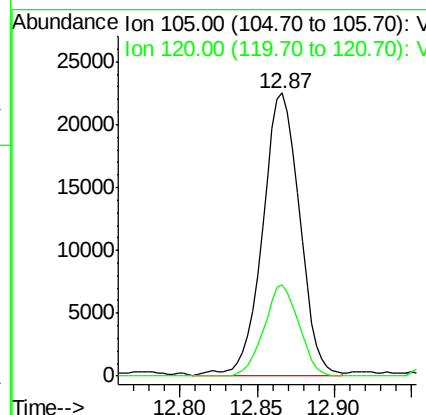
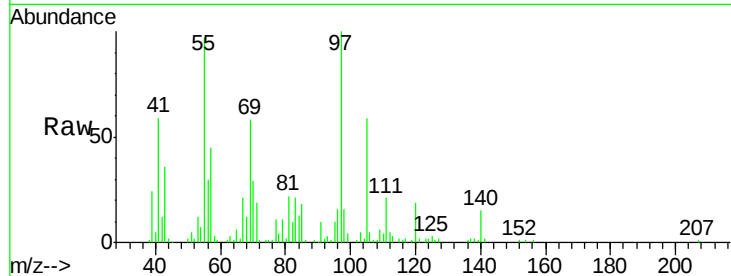




#80
 1,3,5-Trimethylbenzene
 Concen: 2.353 ug/l
 RT: 12.87 min Scan# 3450
 Delta R.T. 0.16 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

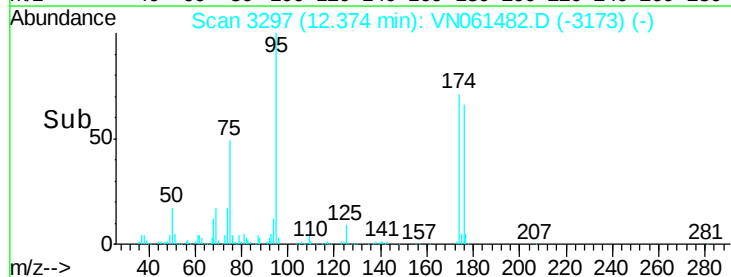
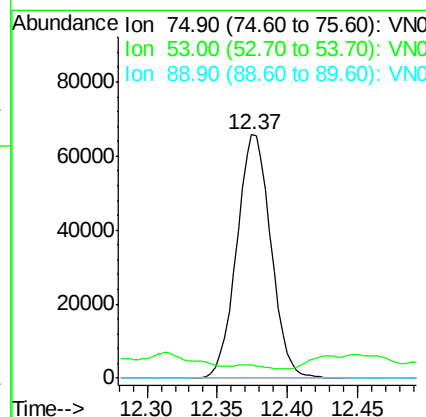
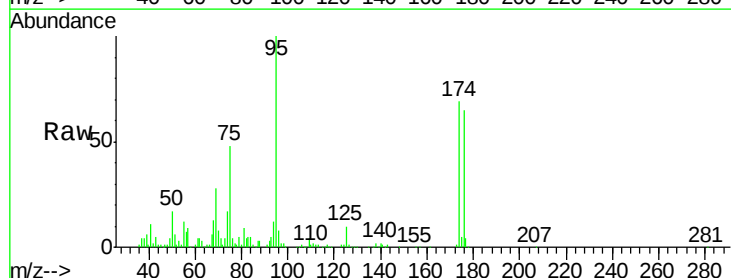
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

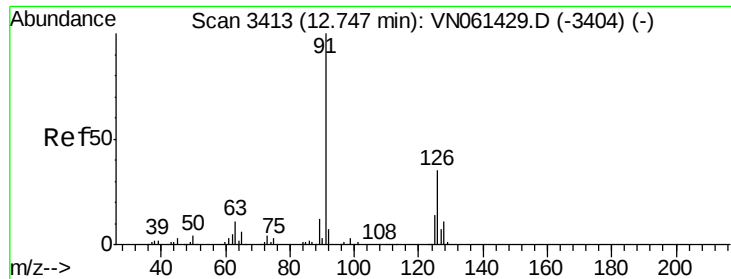
Tot Ion:105 Resp: 37772
 Ion Ratio Lower Upper
 105 100
 120 30.1 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.496 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion: 75 Resp: 111604
 Ion Ratio Lower Upper
 75 100
 53 1.4 75.2 112.8#
 89 0.0 38.2 57.4#

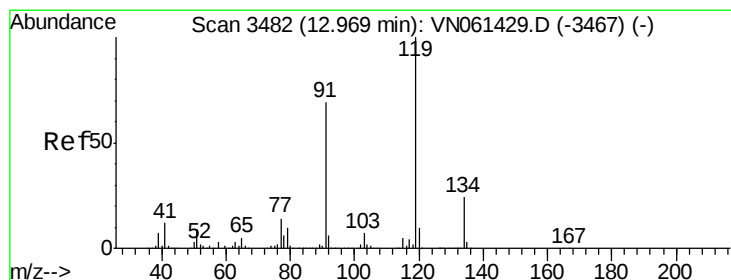
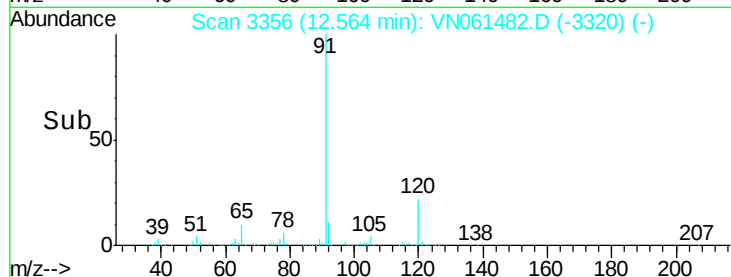
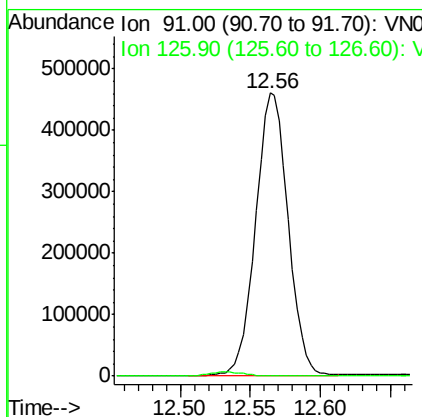
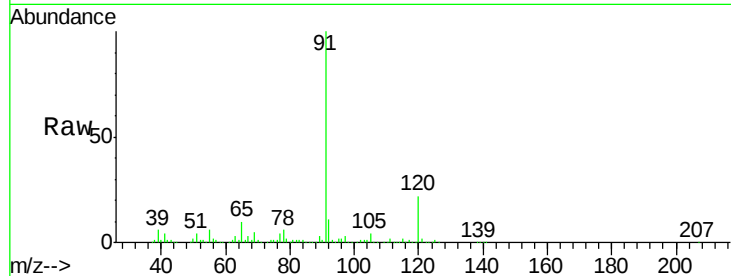




#82
4-Chlorotoluene
Concen: 53.892 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.18 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

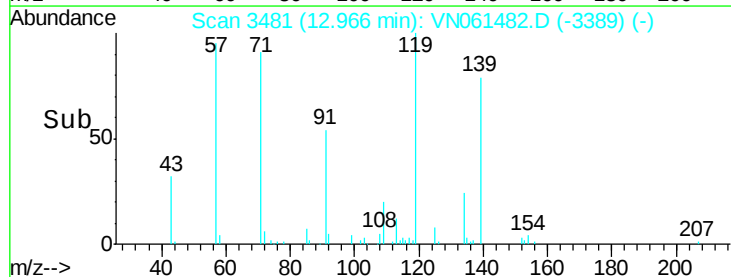
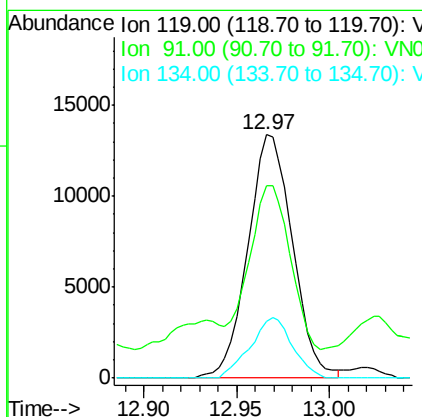
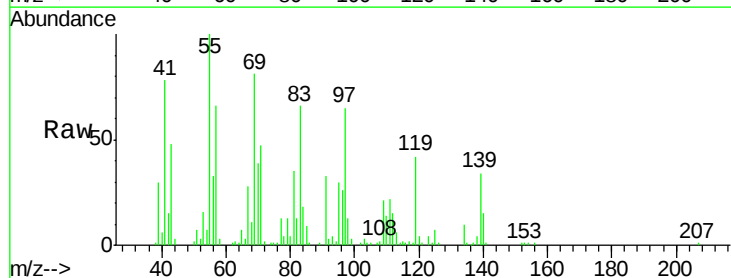
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

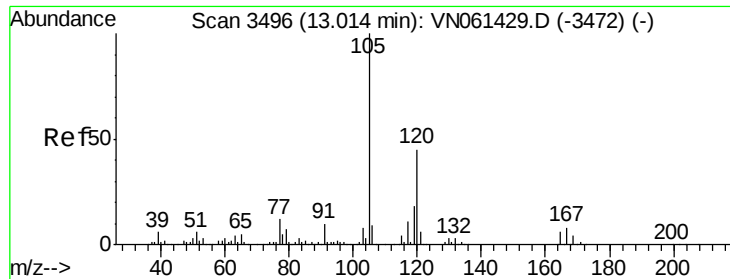
Tot Ion: 91 Resp: 736817
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.2#



#83
tert-Butylbenzene
Concen: 1.638 ug/l
RT: 12.97 min Scan# 3481
Delta R.T. -0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion: 119 Resp: 22530
Ion Ratio Lower Upper
119 100
91 61.3 33.7 101.0
134 23.5 12.8 38.3

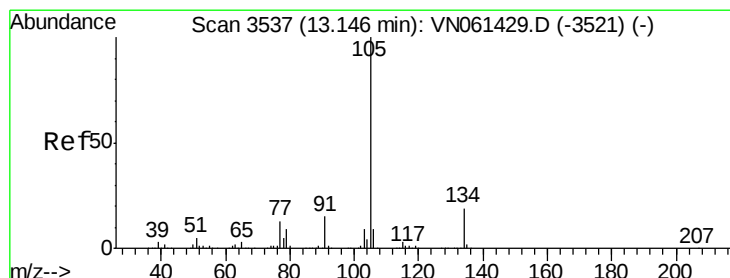
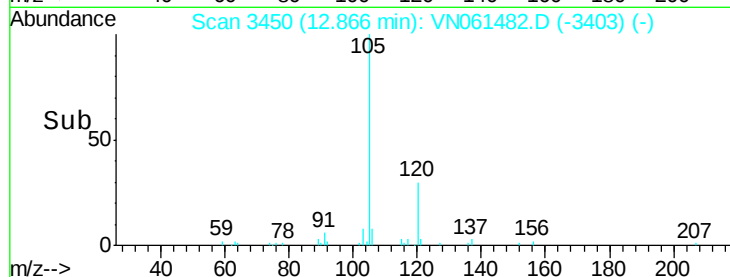
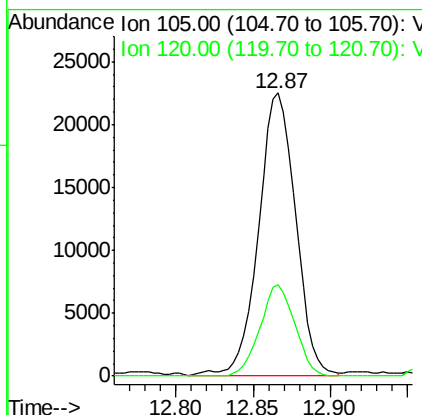
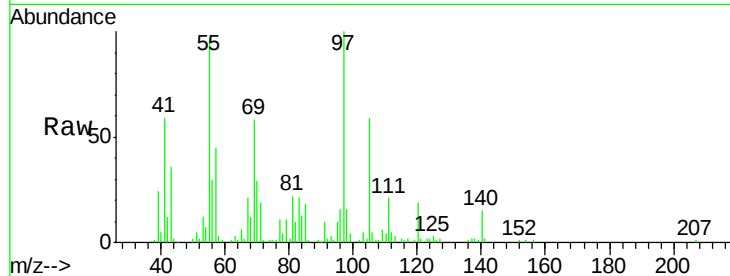




#84
 1,2,4-Trimethylbenzene
 Concen: 2.351 ug/l
 RT: 12.87 min Scan# 3450
 Delta R.T. -0.15 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

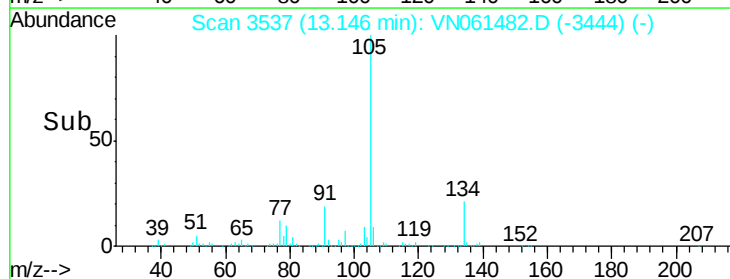
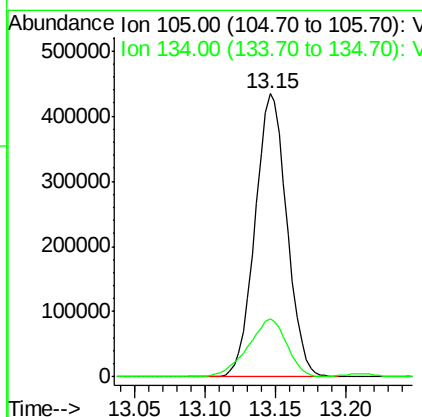
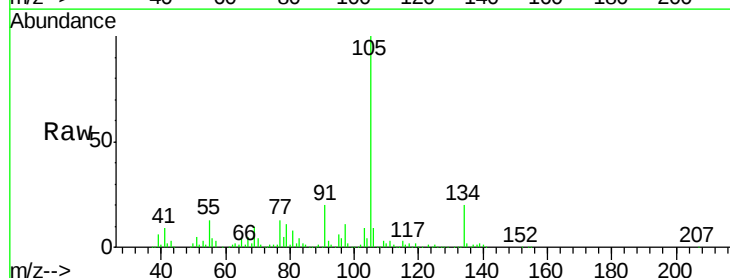
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

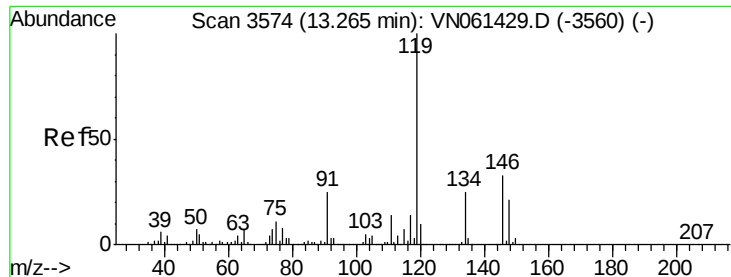
Tot Ion:105 Resp: 37772
 Ion Ratio Lower Upper
 105 100
 120 30.1 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 36.720 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion:105 Resp: 682779
 Ion Ratio Lower Upper
 105 100
 134 25.1 9.8 29.5

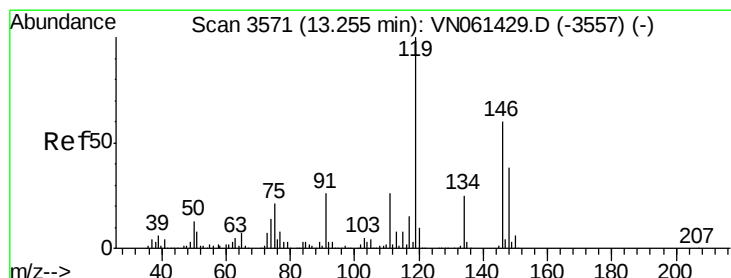
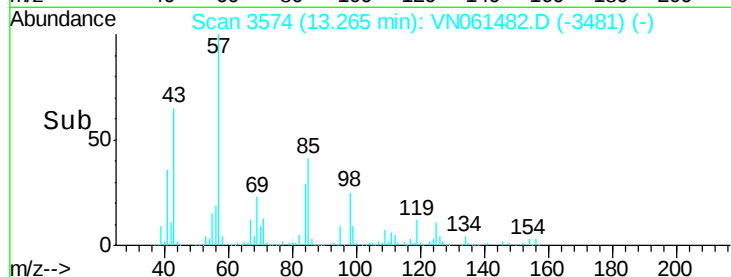
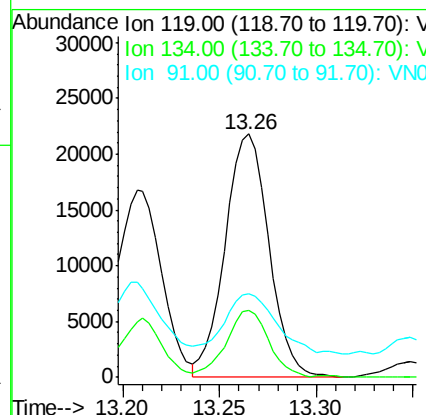
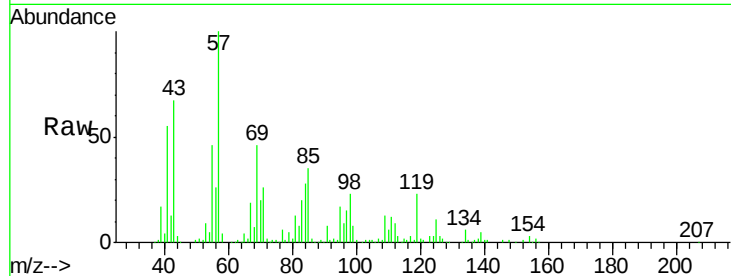




#86
p-Isopropyltoluene
Concen: 2.086 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

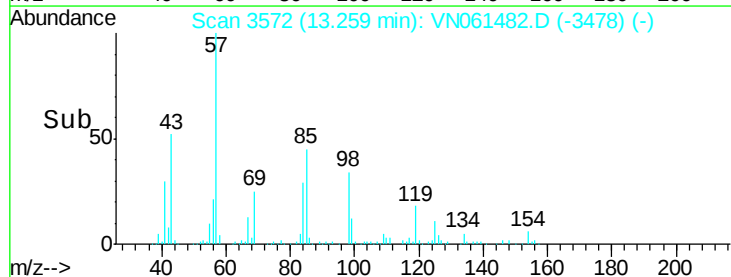
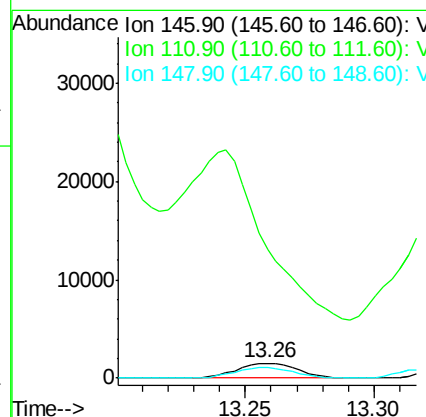
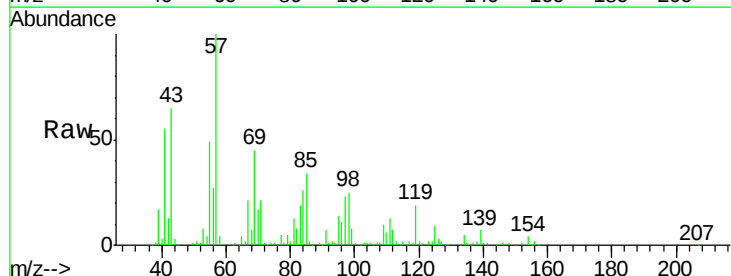
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

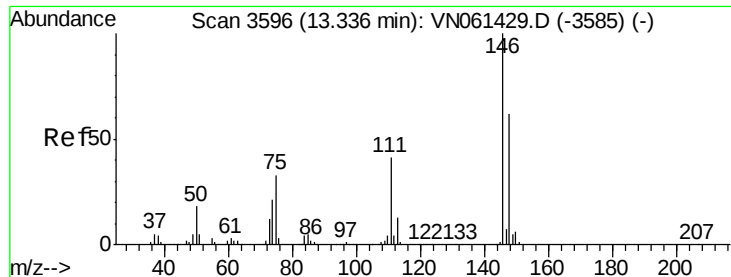
Tot Ion:119 Resp: 34443
Ion Ratio Lower Upper
119 100
134 26.7 12.7 38.1
91 29.1 12.6 37.6



#87
1,3-Dichlorobenzene
Concen: 0.319 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion:146 Resp: 2482
Ion Ratio Lower Upper
146 100
111 0.0 21.5 64.5#
148 67.9 31.8 95.3

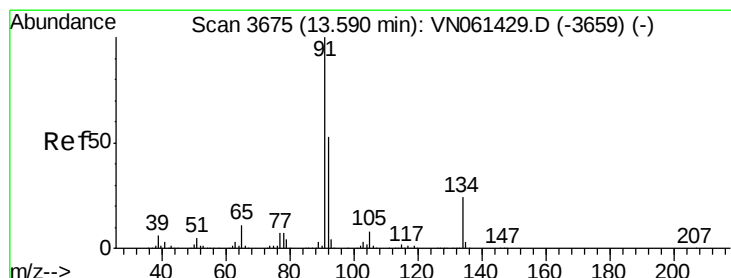
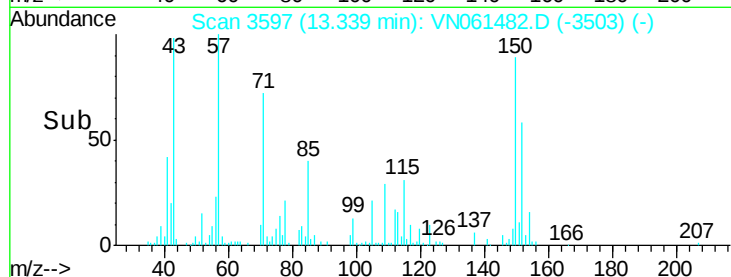
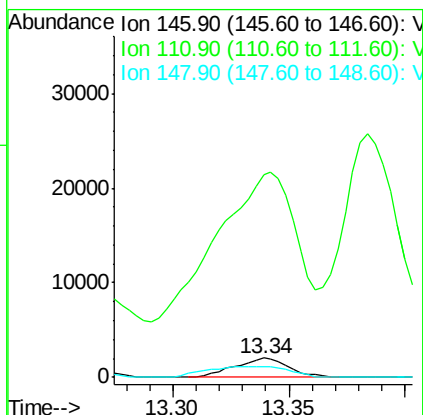
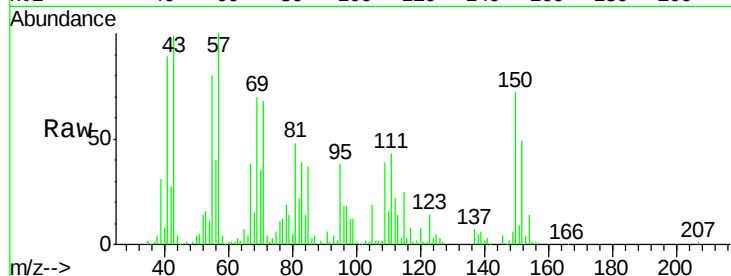




#88
 1,4-Dichlorobenzene
 Concen: 0.431 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

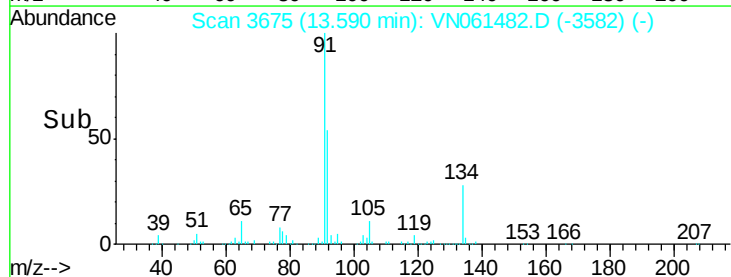
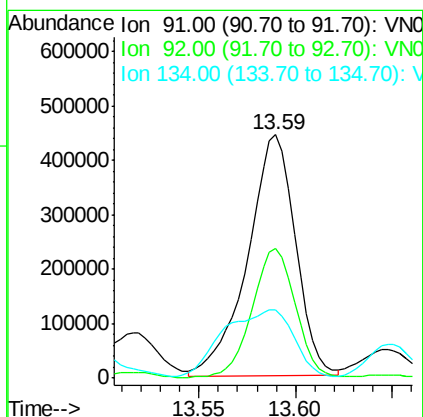
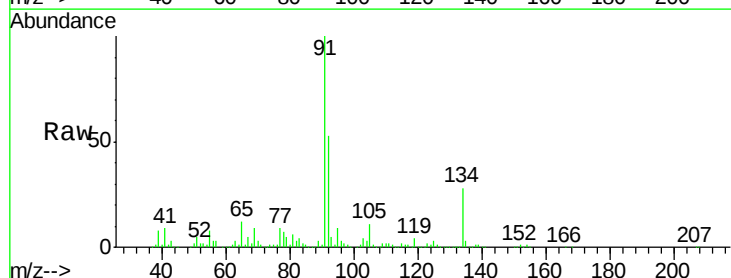
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

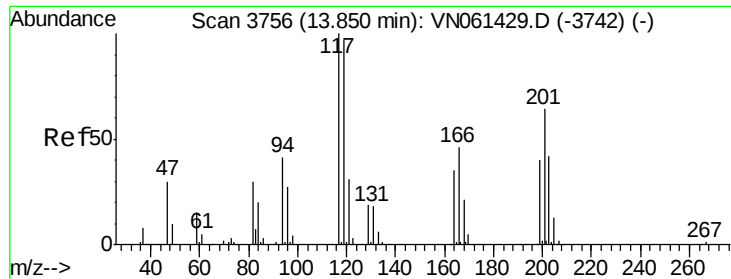
Tot Ion:146 Resp: 3358
 Ion Ratio Lower Upper
 146 100
 111 1087.7 20.8 62.5#
 148 83.3 31.6 94.8



#89
 n-Butylbenzene
 Concen: 51.074 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Tgt Ion: 91 Resp: 766117
 Ion Ratio Lower Upper
 91 100
 92 48.0 26.8 80.3
 134 41.8 12.4 37.4#

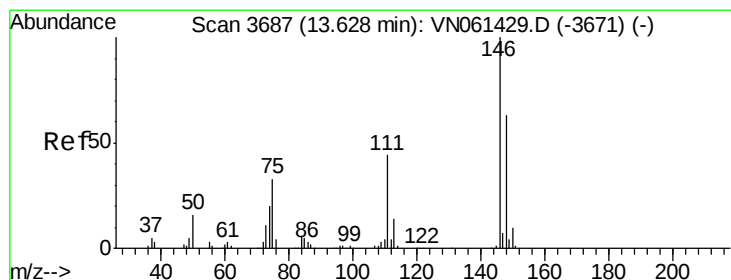
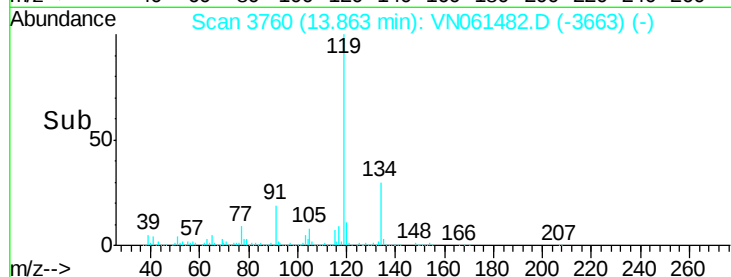
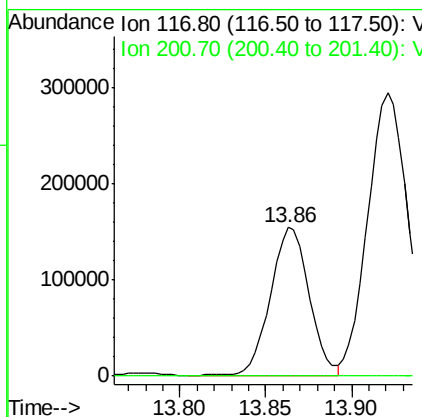
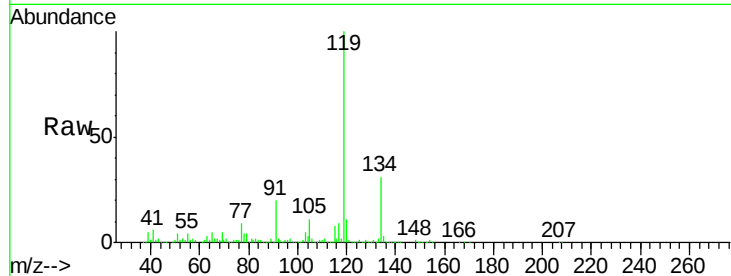




#90
Hexachloroethane
Concen: 106.713 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

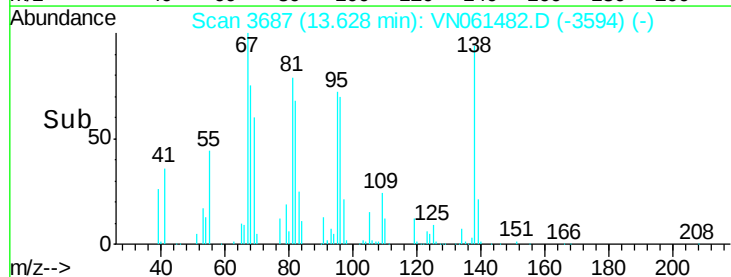
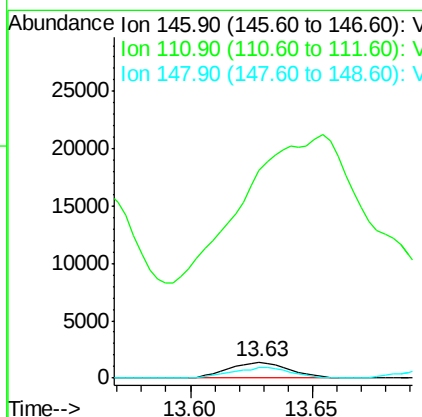
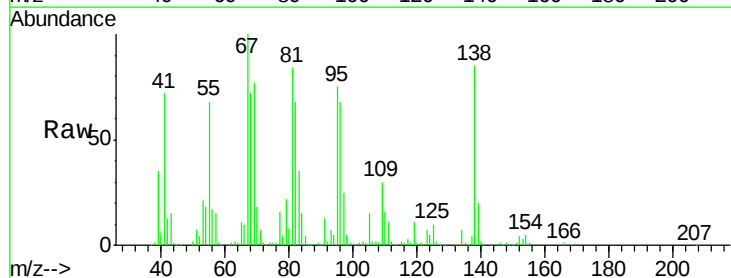
Instrument :
MSVOA_N
ClientSampleId :
SB-4-14.0-14.5ME

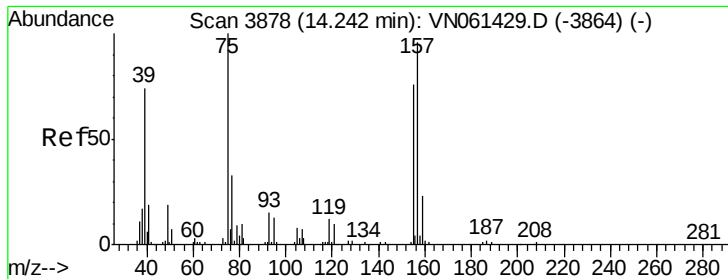
Tot Ion:117 Resp: 238792
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.7#



#91
1,2-Dichlorobenzene
Concen: 0.315 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN061482.D
Acq: 19 May 2020 14:46

Tgt Ion:146 Resp: 2350
Ion Ratio Lower Upper
146 100
111 0.0 21.9 65.7#
148 65.0 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.895 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.03 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

SB-4-14.0-14.5ME

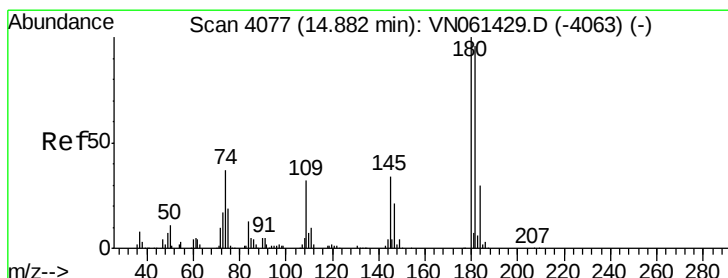
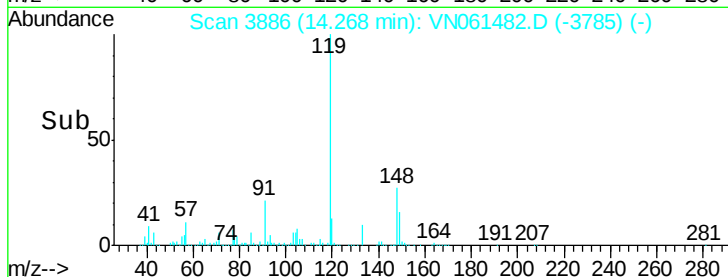
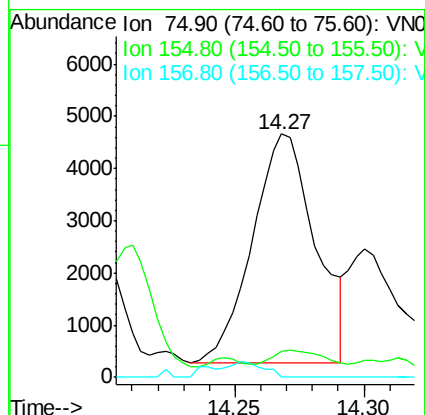
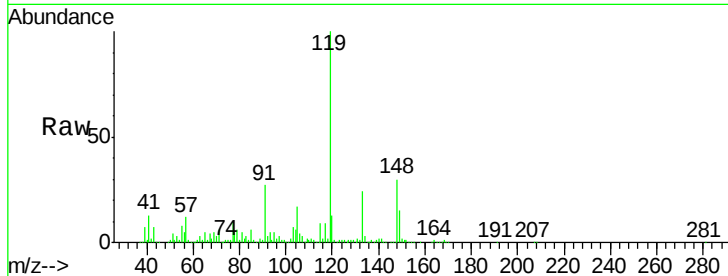
Tot Ion: 75 Resp: 7513

Ion Ratio Lower Upper

75 100

155 4.9 38.9 116.7#

157 3.9 48.6 145.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.073 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

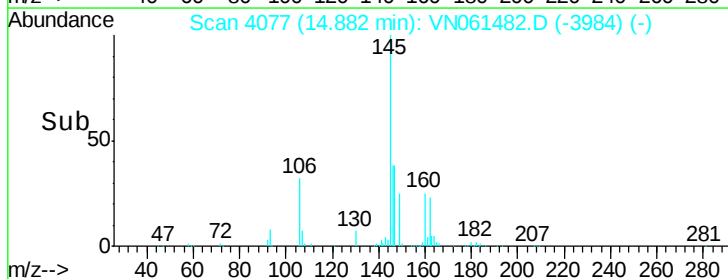
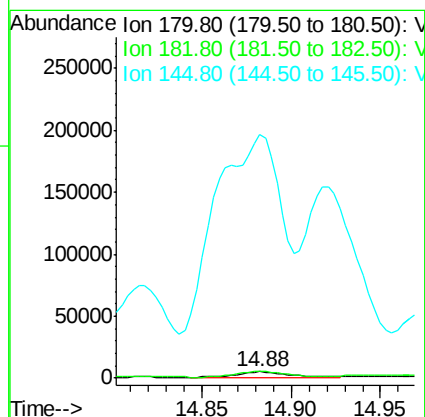
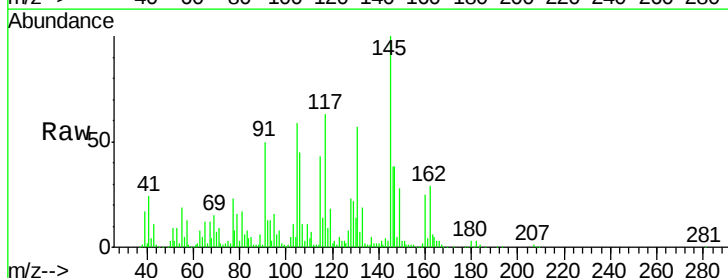
Tgt Ion: 180 Resp: 8395

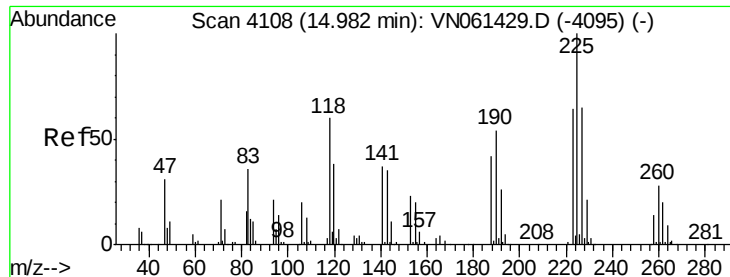
Ion Ratio Lower Upper

180 100

182 107.0 47.0 141.0

145 5704.5 16.7 50.0#





#94

Hexachlorobutadiene

Concen: 1.201 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

SB-4-14.0-14.5ME

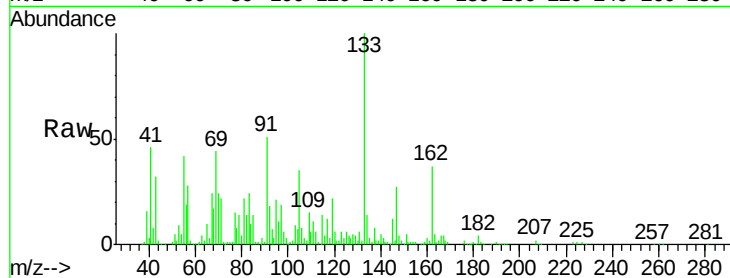
Tot Ion:225 Resp: 2161

Ion Ratio Lower Upper

225 100

223 73.1 31.9 95.7

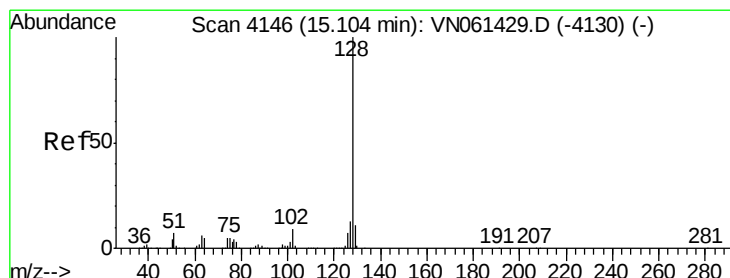
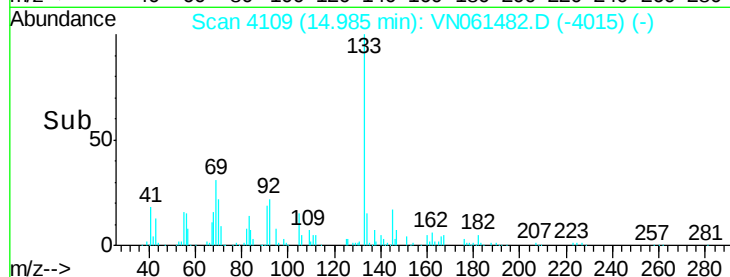
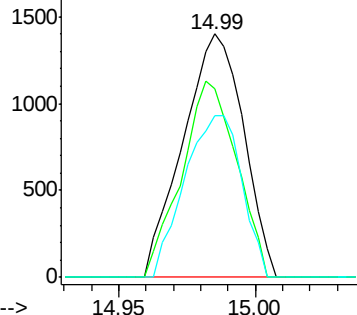
227 62.5 31.5 94.5



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: 227.945 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061482.D

Acq: 19 May 2020 14:46

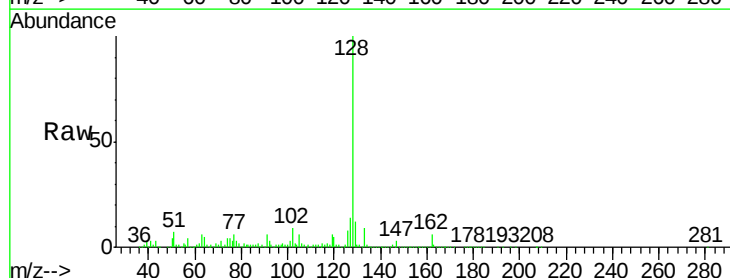
Tgt Ion:128 Resp: 2935063

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

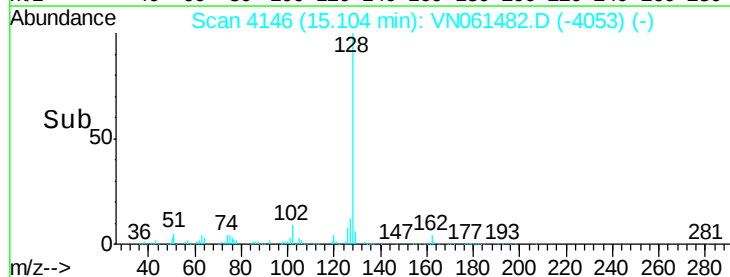
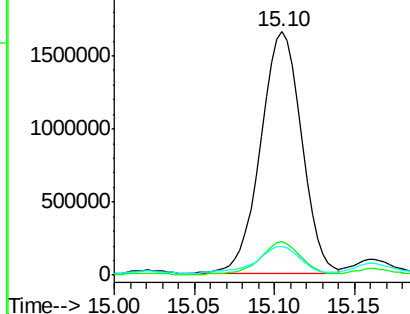
129 11.7 8.6 13.0

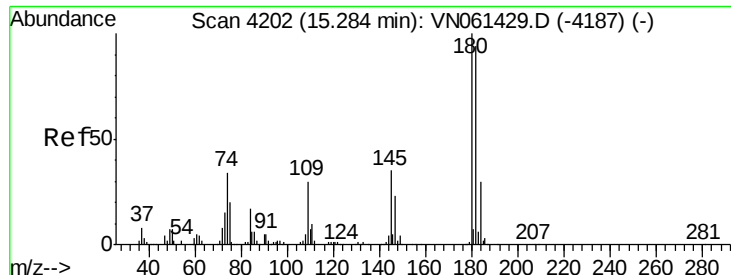


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.643 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN061482.D
 Acq: 19 May 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-14.0-14.5ME

Tot Ion:180 Resp: 6623
 Ion Ratio Lower Upper
 180 100
 182 91.8 47.8 143.3
 145 8082.7 17.3 51.9#

