

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061483.D
 Acq On : 19 May 2020 15:10
 Operator : JC/MD
 Sample : L2679-06
 Misc : 5.94µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 02:54:44 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	283417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	500933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	357561	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	184698	43.67	ug/l	0.00
Spiked Amount			Recovery	=	87.34%	
35) Dibromofluoromethane	7.54	113	132451	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.06	98	643112	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.37	95	288567	62.69	ug/l	0.00
Spiked Amount			Recovery	=	125.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1377	0.358	ug/l	93
5) Bromomethane	2.57	94	553	Below Cal	#	77
10) Methyl Iodide	3.90	142	3173	0.941	ug/l #	83
11) Tert butyl alcohol	4.68	59	1829	3.753	ug/l #	73
13) Acrolein	3.72	56	256	Below Cal	#	47
16) Acetone	3.76	43	151	Below Cal	#	43
17) Carbon Disulfide	3.99	76	738	Below Cal	#	75
18) Methyl Acetate	4.27	43	1318	Below Cal	#	49
20) Methylene Chloride	4.48	84	1161	0.334	ug/l	84
25) 2-Butanone	6.79	43	3688	1.915	ug/l #	81
29) Tetrahydrofuran	7.16	42	361	0.283	ug/l #	29
31) Cyclohexane	7.60	56	33208	3.308	ug/l	94
36) 1,1-Dichloropropene	7.62	75	22781	4.805	ug/l #	51
38) Carbon Tetrachloride	7.62	117	28807	6.598	ug/l #	15
39) Methylcyclohexane	9.04	83	152421	26.319	ug/l	98
43) Isopropyl Acetate	8.10	43	9864	1.315	ug/l #	52
47) Bromodichloromethane	9.33	83	1556	0.295	ug/l #	44
48) Methyl methacrylate	9.11	41	20299	5.859	ug/l #	38
49) 1,4-Dioxane	9.18	88	96	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.06	43	14194	3.474	ug/l	94
55) 1,1,2-Trichloroethane	10.50	97	67276	19.397	ug/l #	19
56) Ethyl methacrylate	10.40	69	18425	3.398	ug/l #	1
59) 2-Hexanone	10.69	43	97064	32.838	ug/l #	28
60) Dibromochloromethane	10.93	129	1219	0.318	ug/l	83
67) Ethyl Benzene	11.48	91	5294	0.284	ug/l #	24
68) m/p-Xylenes	11.59	106	6717	0.949	ug/l	94
71) Bromoform	12.08	173	1009	2.360	ug/l #	1
73) Isopropylbenzene	12.22	105	162212	5.651	ug/l	95
74) N-amyl acetate	12.02	43	71491	6.804	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.43	83	15507	1.964	ug/l #	54
76) 1,2,3-Trichloropropane	12.37	75	149563	19.494	ug/l #	100
77) Bromobenzene	12.48	156	1950197	313.054	ug/l #	1
78) n-propylbenzene	12.56	91	360568	11.024	ug/l	96
79) 2-Chlorotoluene	12.56	91	360568	18.651	ug/l #	42

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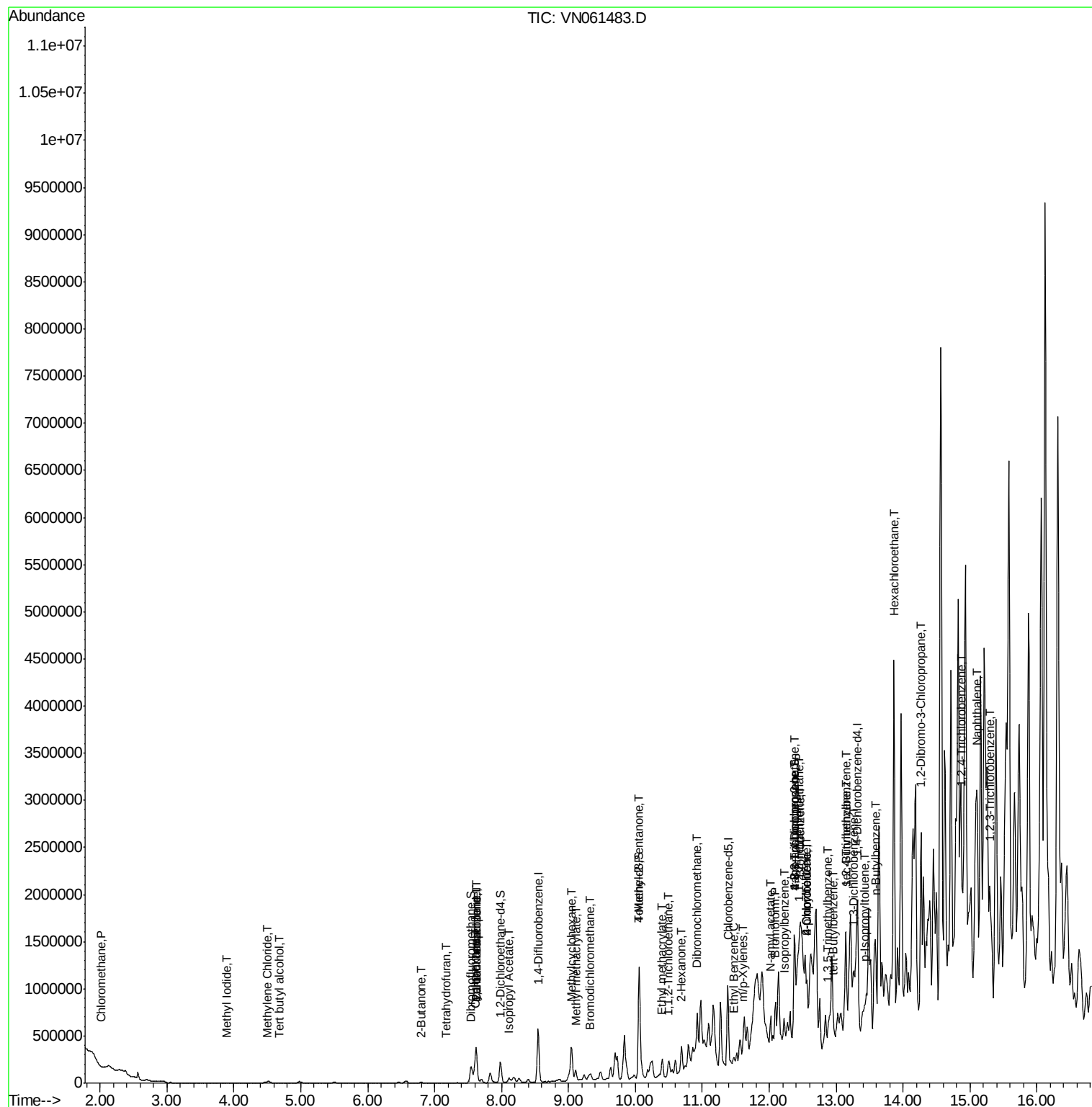
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.87	105	17132	0.729	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.37	75	149563	51.712	ug/l #	14
82) 4-Chlorotoluene	12.56	91	360568	18.013	ug/l #	43
83) tert-Butylbenzene	12.97	119	21586	1.072	ug/l	79
84) 1,2,4-Trimethylbenzene	13.15	105	560845	23.844	ug/l #	31
85) sec-Butylbenzene	13.15	105	560845	20.602	ug/l	85
86) p-Isopropyltoluene	13.42	119	99882	4.132	ug/l	92
87) 1,3-Dichlorobenzene	13.26	146	2592	0.227	ug/l #	1
89) n-Butylbenzene	13.59	91	507704	23.118	ug/l	95
90) Hexachloroethane	13.86	117	182500	55.705	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	4466	2.799	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.88	180	2934	0.495	ug/l #	1
95) Naphthalene	15.10	128	1198695	63.585	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	3070	0.520	ug/l #	12

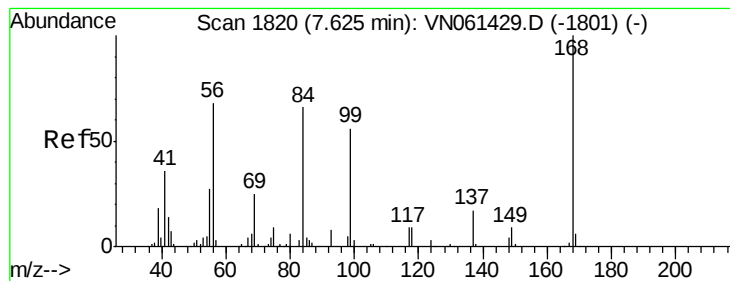
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

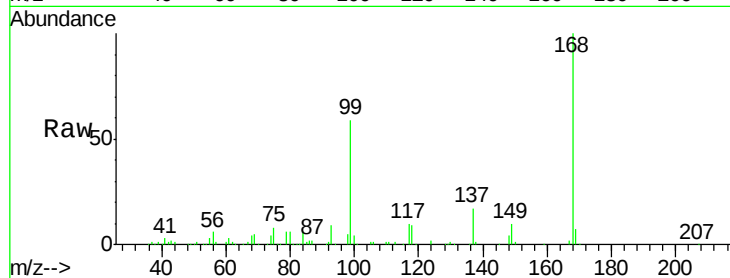
ClientSampled :

Tot Ion:168 Resp: 283417

Ion Ratio Lower Upper

168 100

99 58.9 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

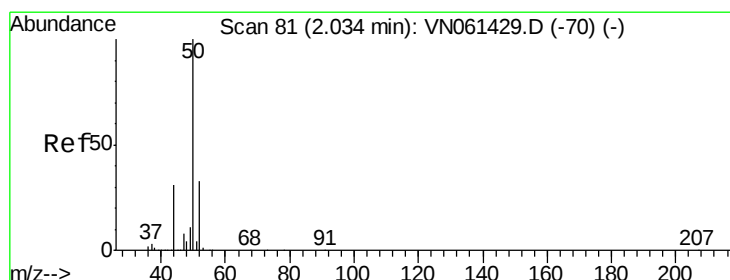
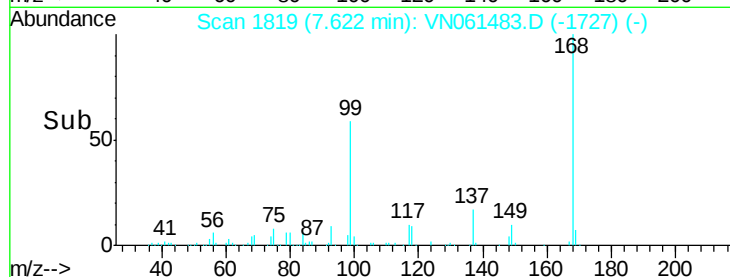
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.358 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061483.D

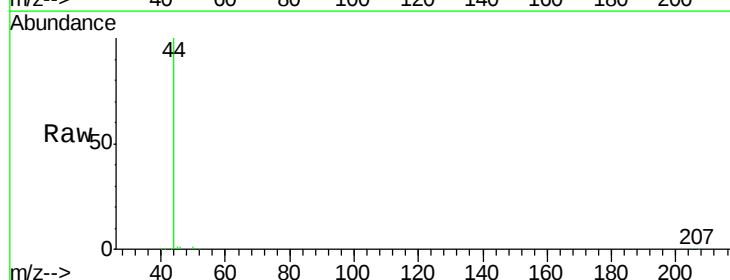
Acq: 19 May 2020 15:10

Tgt Ion: 50 Resp: 1377

Ion Ratio Lower Upper

50 100

52 29.5 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1000

800

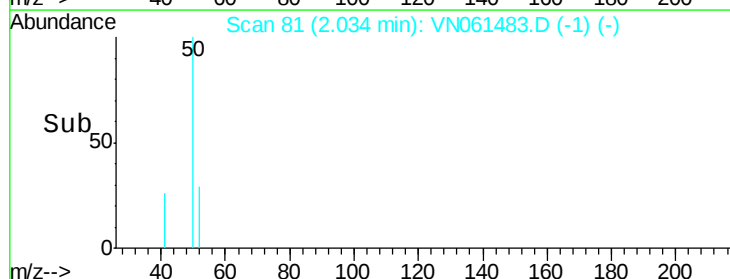
600

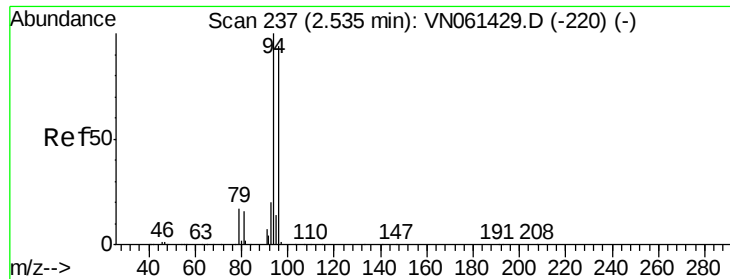
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.03 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

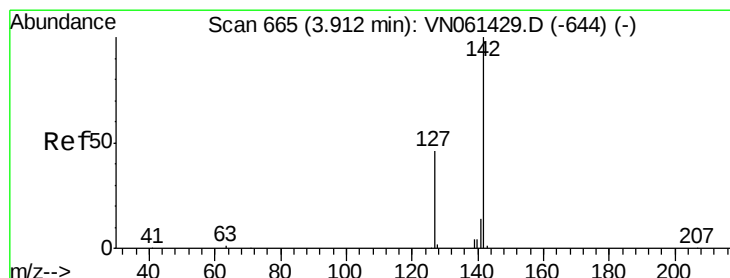
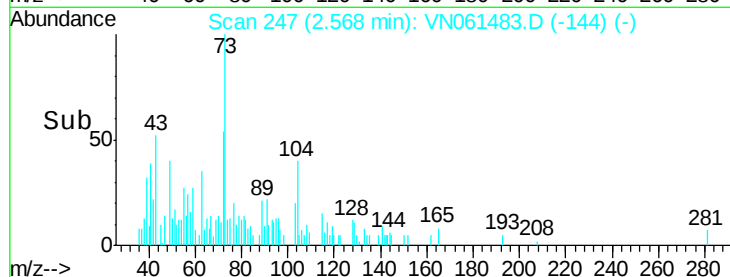
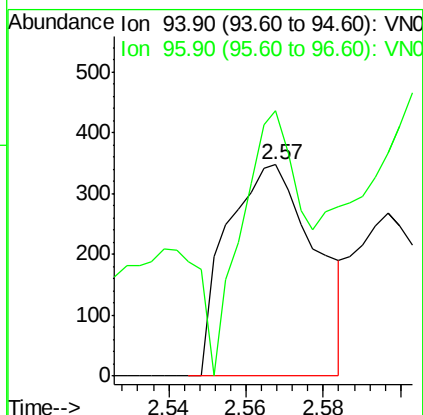
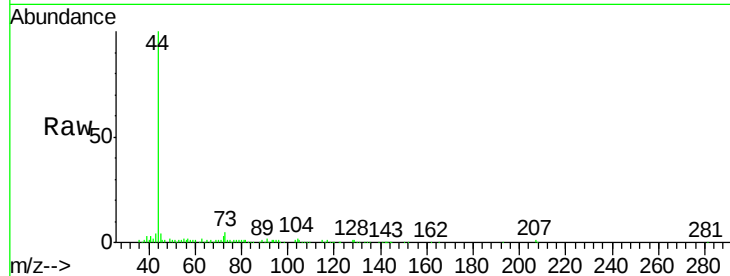
ClientSampleId :

Tot Ion: 94 Resp: 553

Ion Ratio Lower Upper

94 100

96 71.5 74.9 112.3#



#10

Methyl Iodide

Concen: 0.941 ug/l

RT: 3.90 min Scan# 661

Delta R.T. -0.01 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

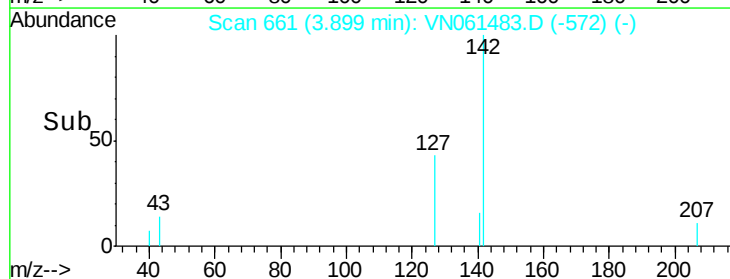
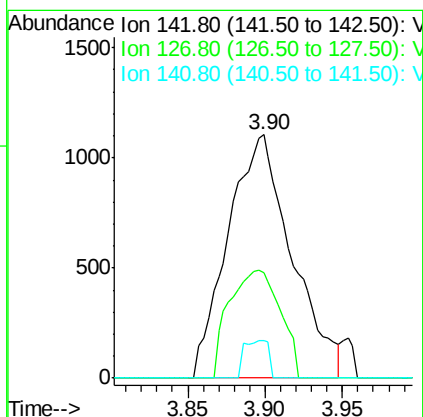
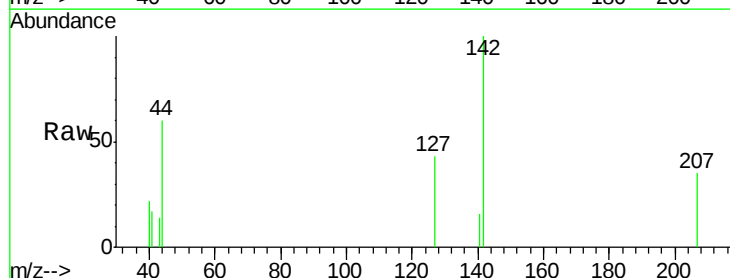
Tgt Ion: 142 Resp: 3173

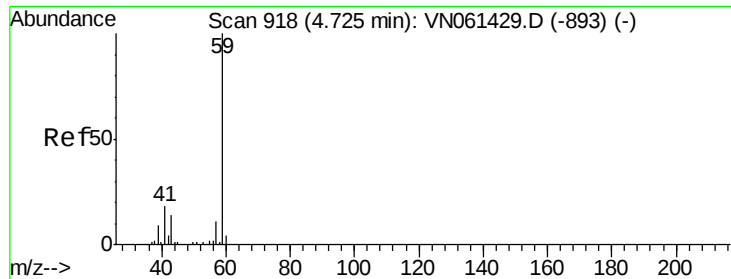
Ion Ratio Lower Upper

142 100

127 35.5 36.7 55.1#

141 5.9 11.5 17.3#



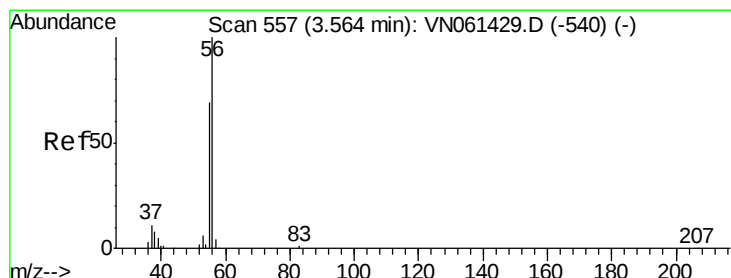
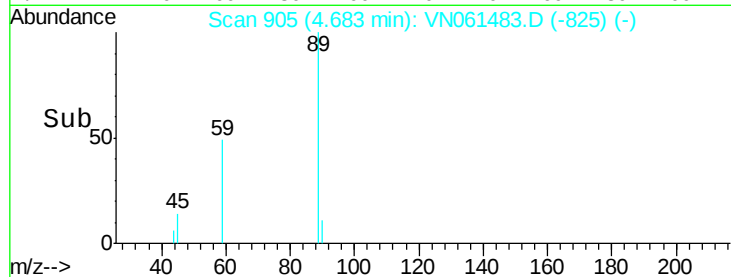
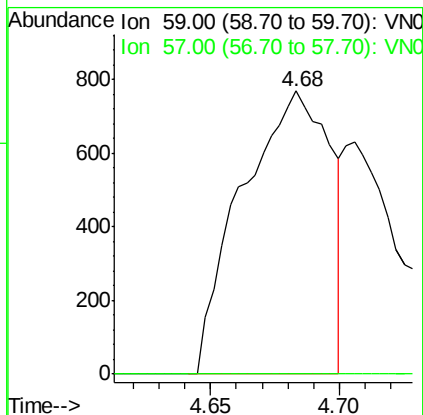
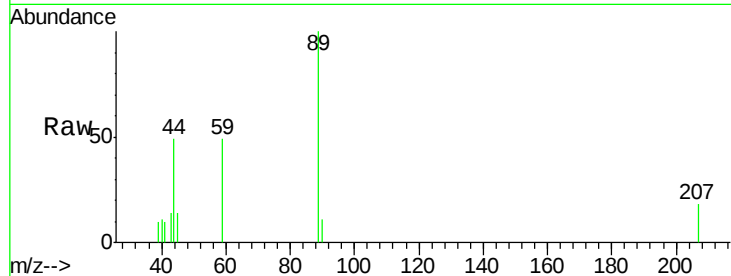


#11

Tert butyl alcohol
Concen: 3.753 ug/l
RT: 4.68 min Scan# 905
Delta R.T. -0.04 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Instrument :
MSVOA_N
ClientSampled :

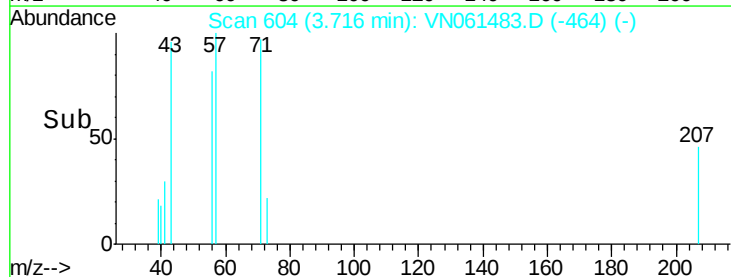
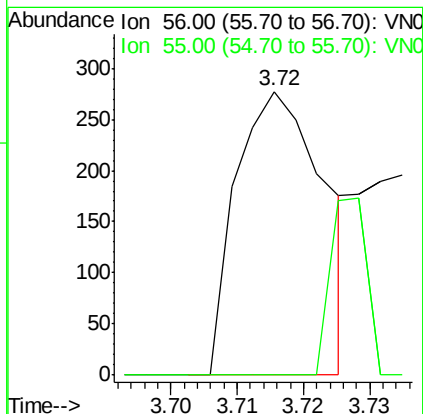
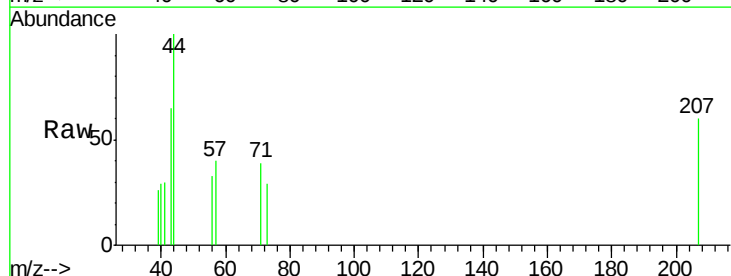
Tot Ion: 59 Resp: 1829
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

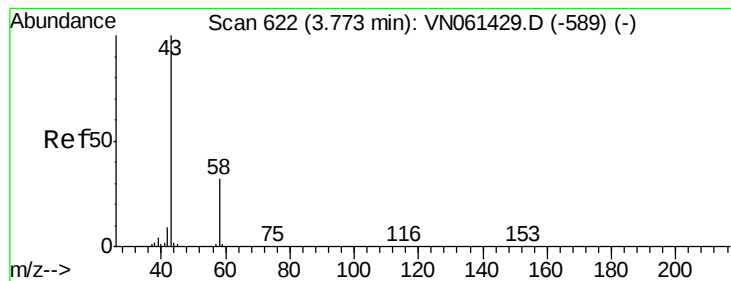


#13

Acrolein
Concen: Below Cal
RT: 3.72 min Scan# 604
Delta R.T. 0.15 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 25.8 54.8 82.2#





#16

Acetone

Concen: Below Cal

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

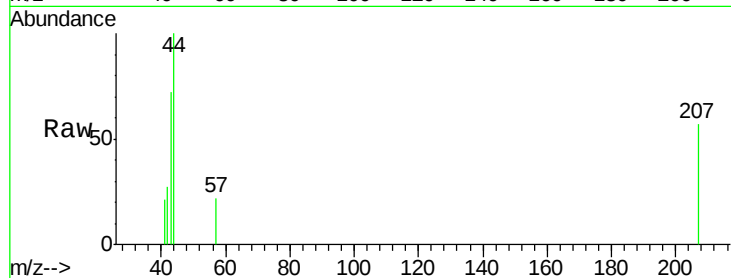
ClientSampled :

Tot Ion: 43 Resp: 151

Ion Ratio Lower Upper

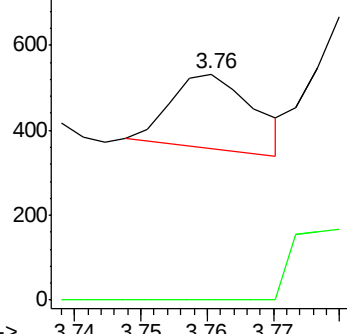
43 100

58 0.0 25.6 38.4#

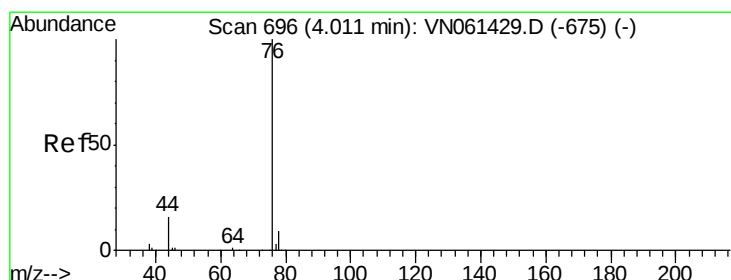
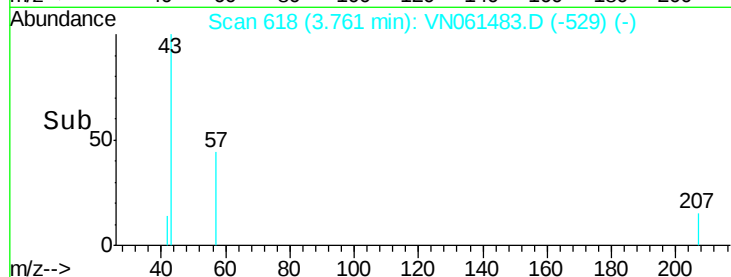


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 3.99 min Scan# 688

Delta R.T. -0.03 min

Lab File: VN061483.D

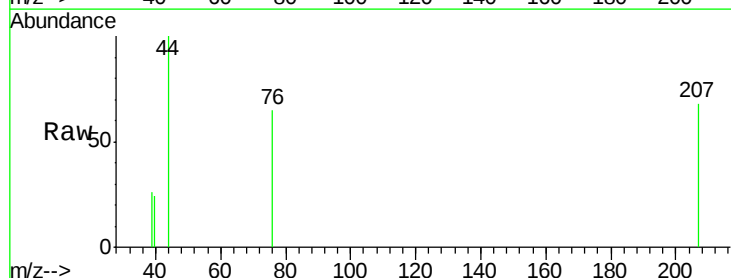
Acq: 19 May 2020 15:10

Tgt Ion: 76 Resp: 738

Ion Ratio Lower Upper

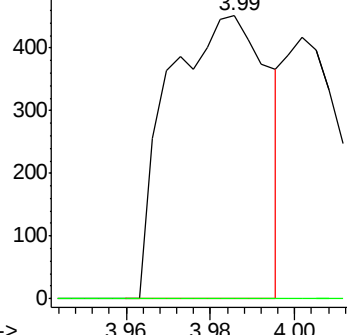
76 100

78 0.0 7.4 11.0#

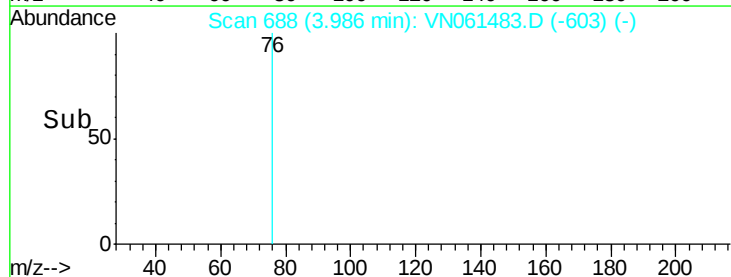


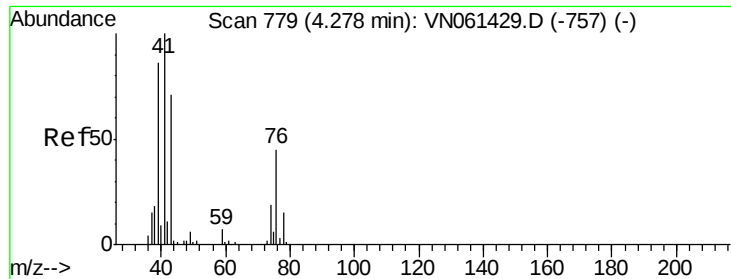
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->

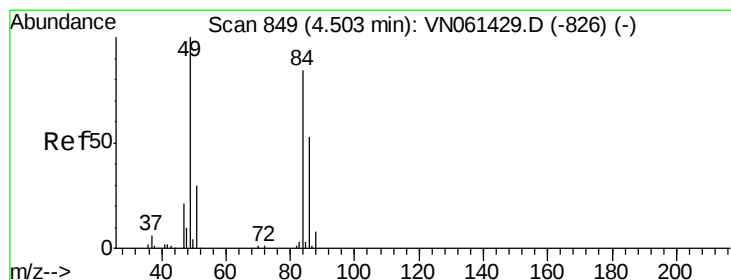
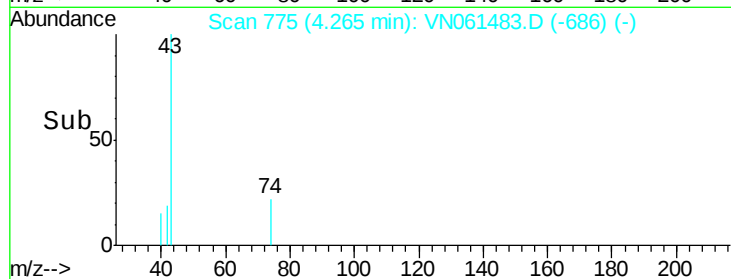
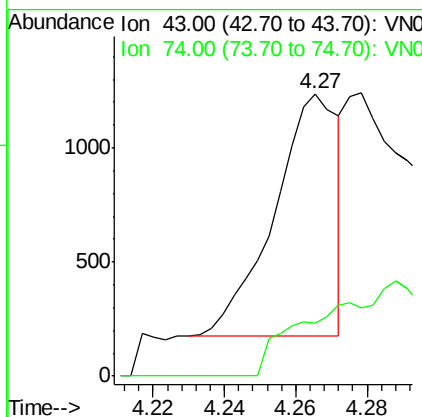
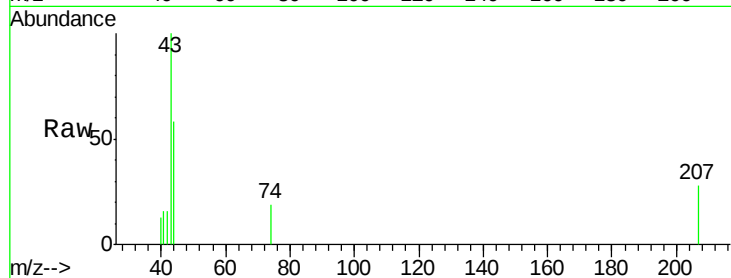




#18
Methyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 775
Delta R.T. -0.01 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

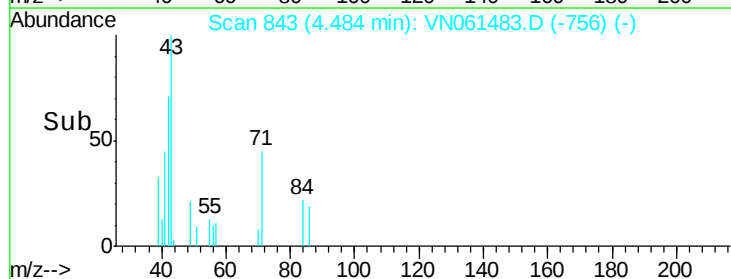
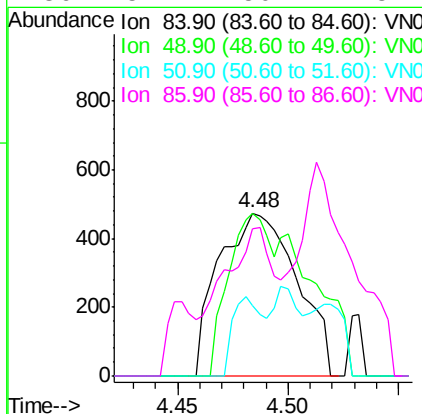
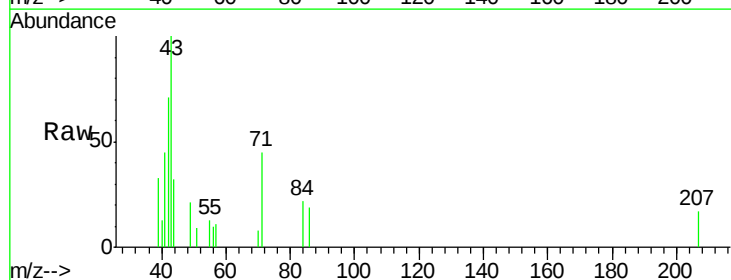
Instrument :
MSVOA_N
ClientSampled :

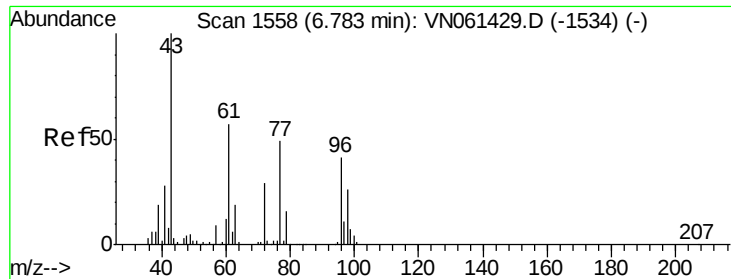
Tot Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 4.48 min Scan# 843
Delta R.T. -0.02 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion: 84 Resp: 1161
Ion Ratio Lower Upper
84 100
49 99.8 95.3 142.9
51 43.5 29.0 43.6
86 51.7 50.2 75.2





#25

2-Butanone

Concen: 1.915 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

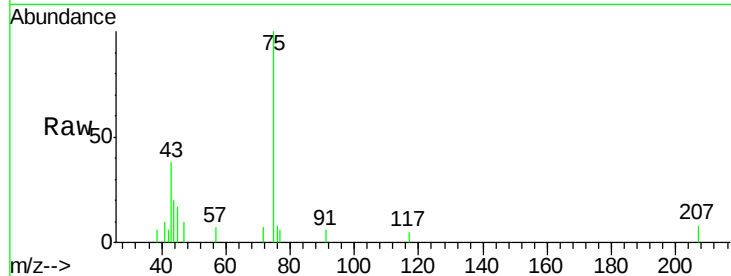
ClientSampleId :

Tot Ion: 43 Resp: 3688

Ion Ratio Lower Upper

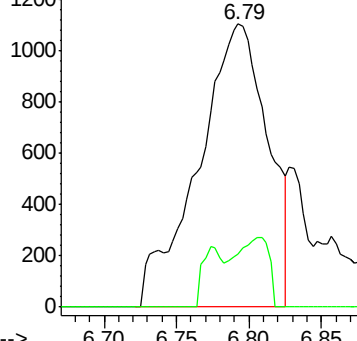
43 100

72 18.8 23.0 34.6#

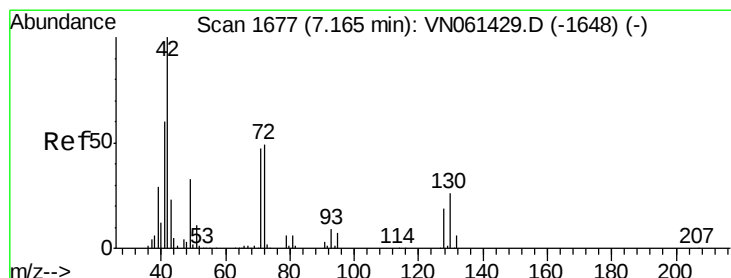
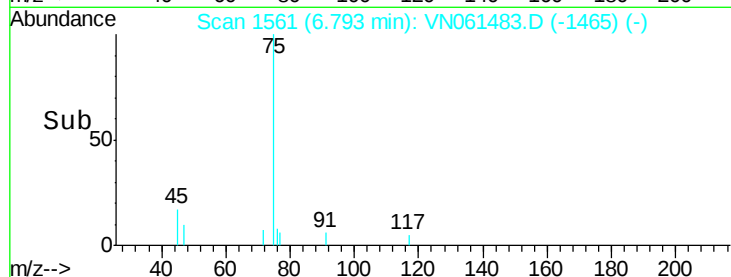


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#29

Tetrahydrofuran

Concen: 0.283 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

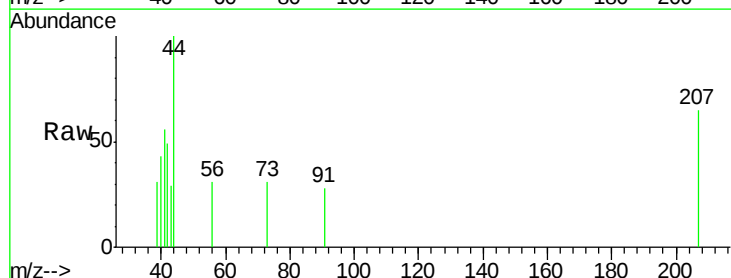
Tgt Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.6#

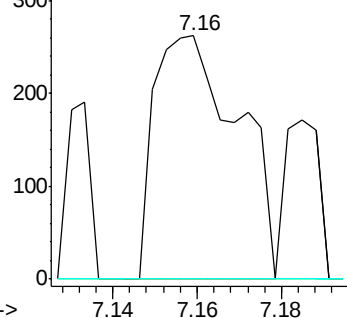
71 0.0 36.9 55.3#



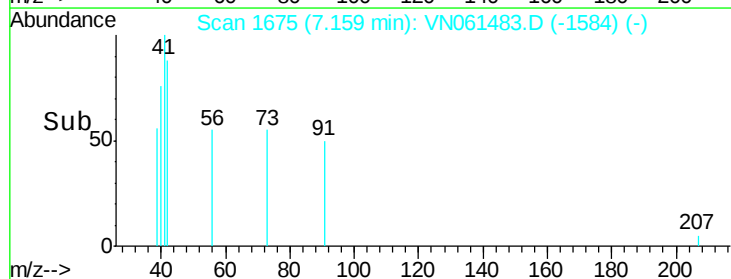
Abundance Ion 42.00 (41.70 to 42.70): VN0

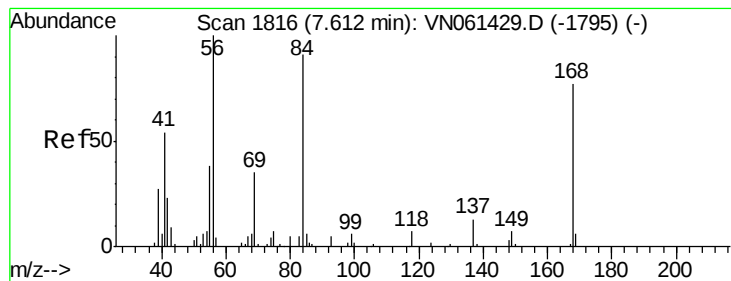
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->





#31

Cyclohexane

Concen: 3.308 ug/l

RT: 7.60 min Scan# 1812

Delta R.T. -0.01 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :

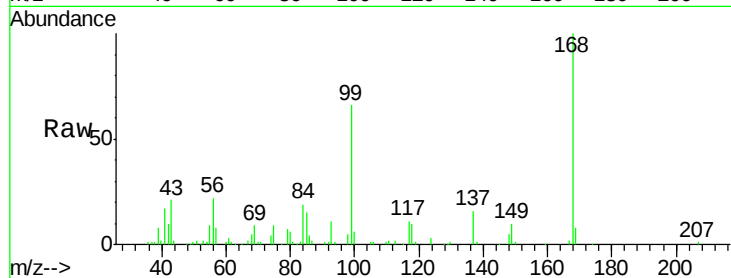
Tot Ion: 56 Resp: 33208

Ion Ratio Lower Upper

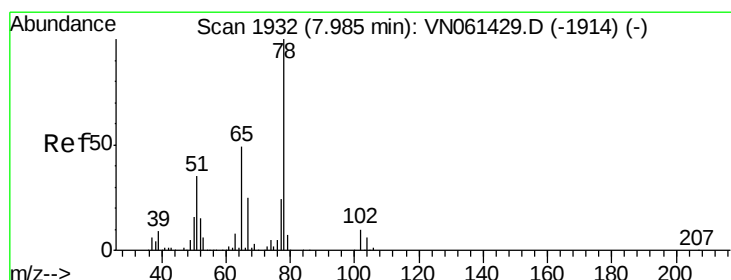
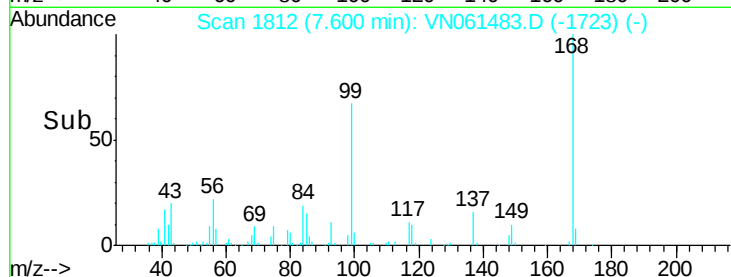
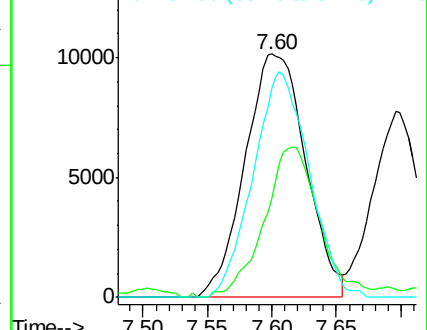
56 100

69 39.2 27.8 41.6

84 85.8 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



#33

1,2-Dichloroethane-d4

Concen: 43.665 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VN061483.D

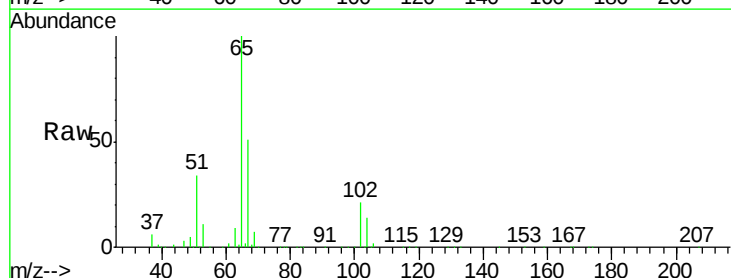
Acq: 19 May 2020 15:10

Tgt Ion: 65 Resp: 184698

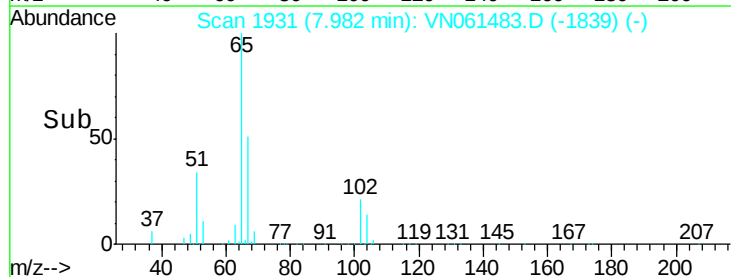
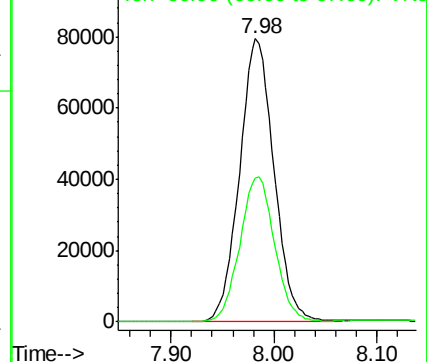
Ion Ratio Lower Upper

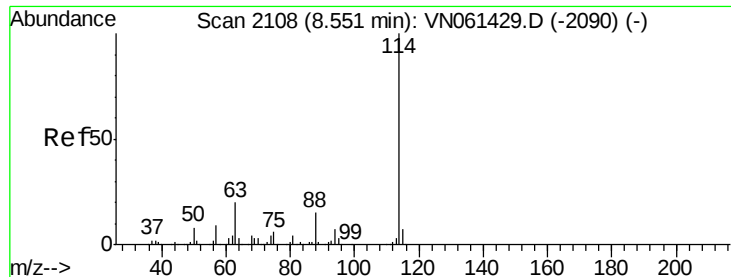
65 100

67 51.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

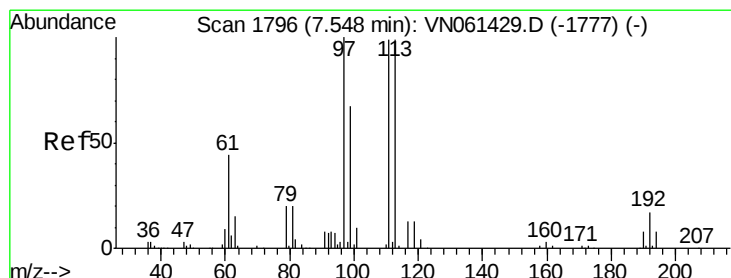
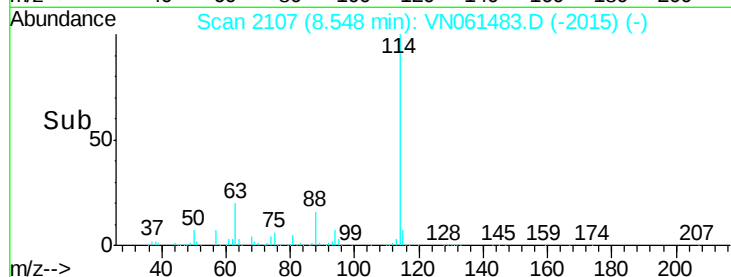
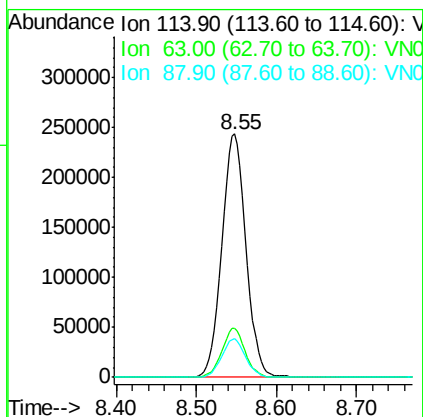
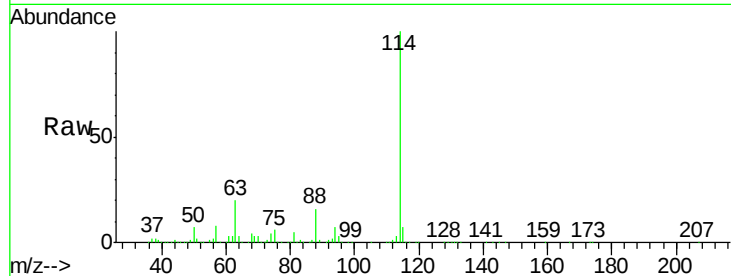




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061483.D
 Acq: 19 May 2020 15:10

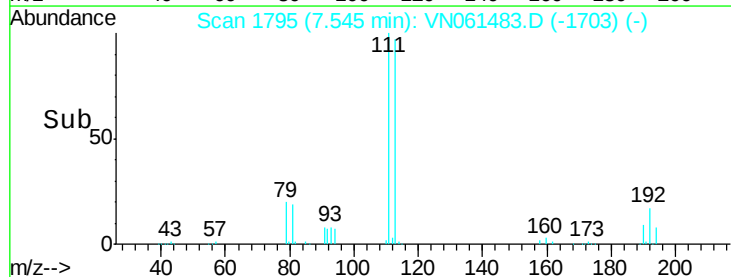
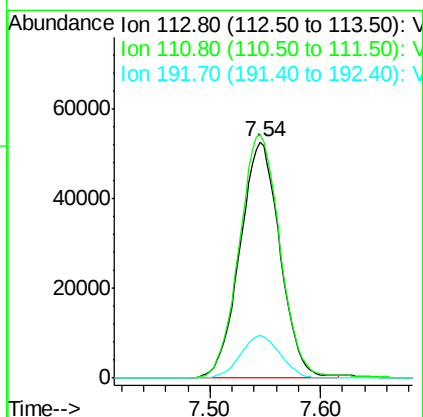
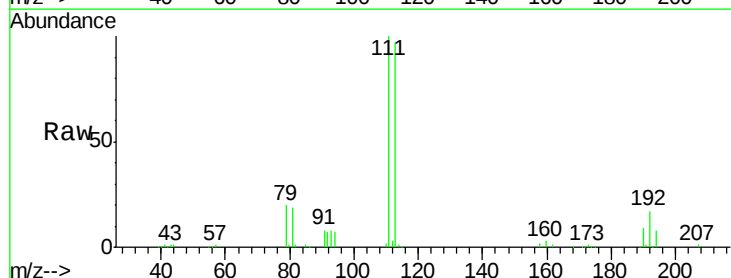
Instrument :
 MSVOA_N
 ClientSampleId :

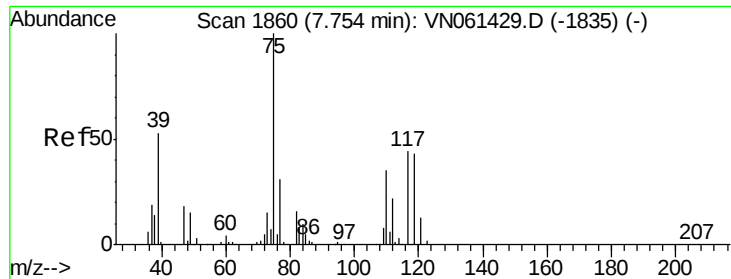
Tot Ion:114 Resp: 507094
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.8 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 49.859 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061483.D
 Acq: 19 May 2020 15:10

Tgt Ion:113 Resp: 132451
 Ion Ratio Lower Upper
 113 100
 111 104.5 80.6 121.0
 192 17.9 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :
MSVOA_N
ClientSampled :

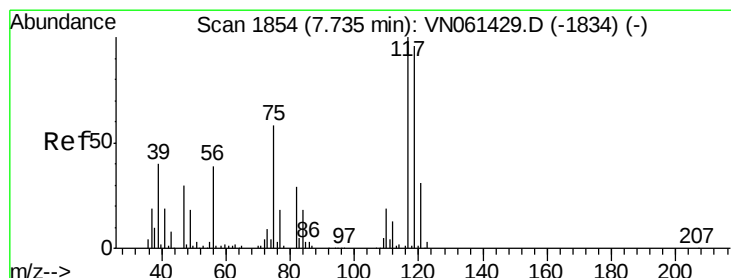
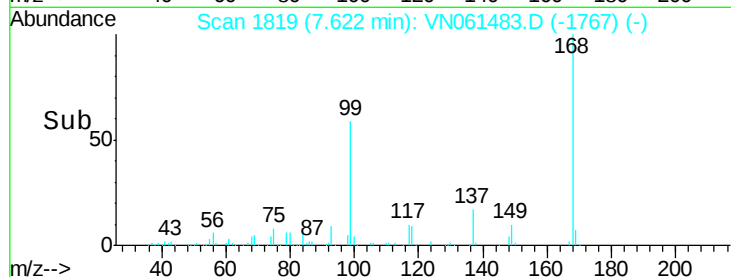
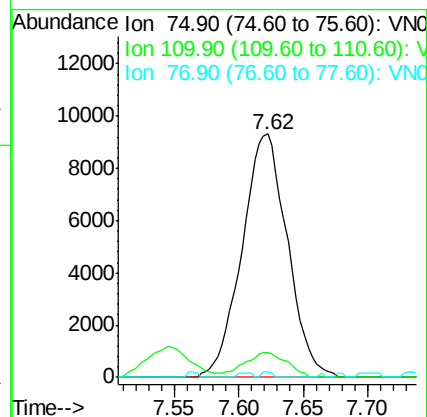
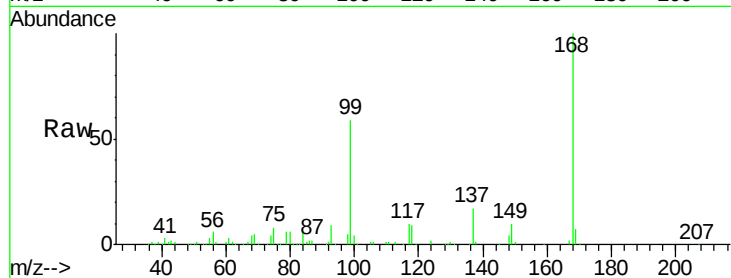
Tot Ion: 75 Resp: 22781

Ion Ratio Lower Upper

75 100

110 9.6 17.3 51.9#

77 0.5 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

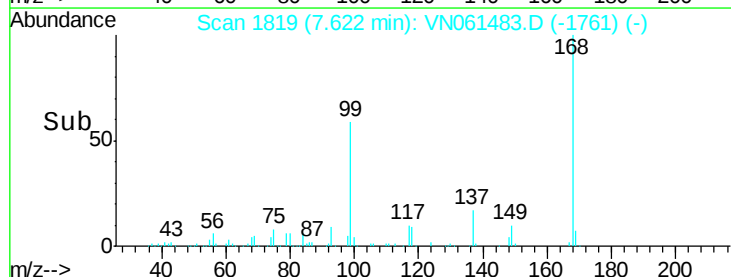
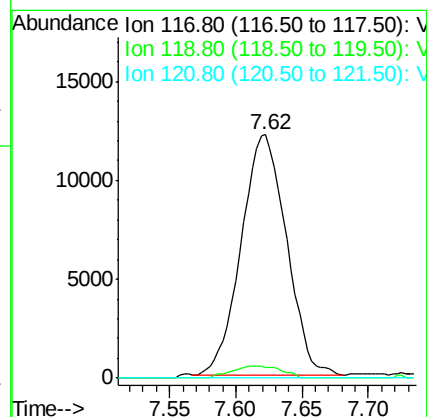
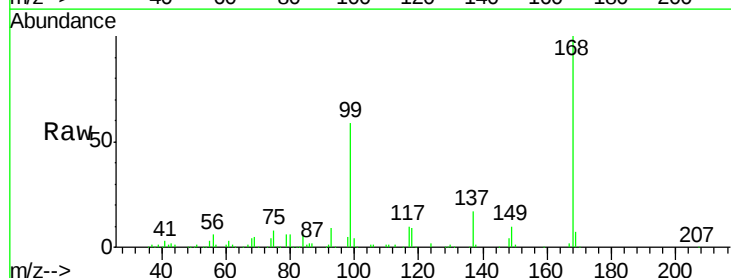
Tgt Ion: 117 Resp: 28807

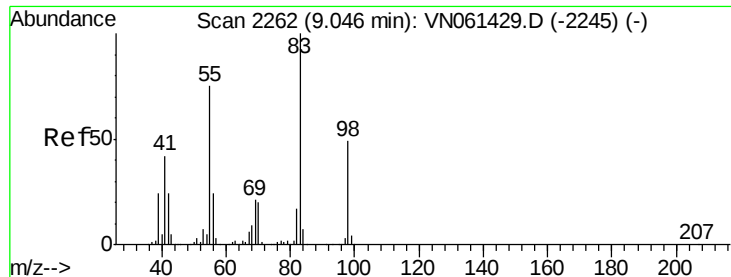
Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

121 0.0 24.7 37.1#

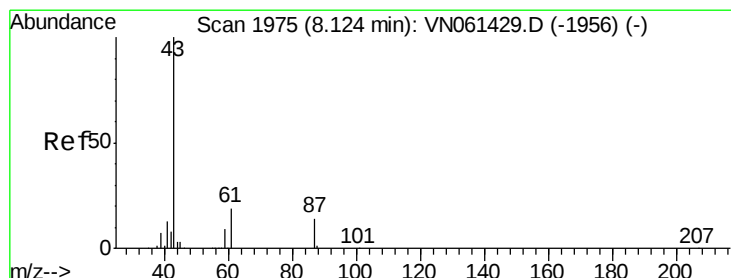
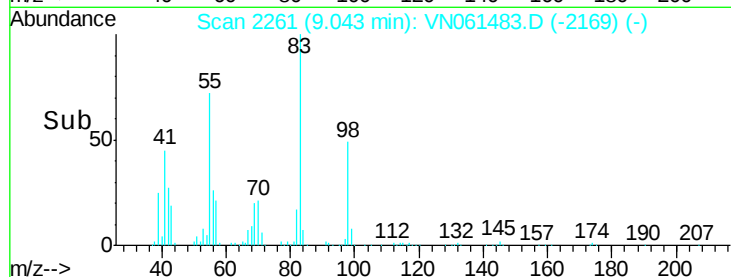
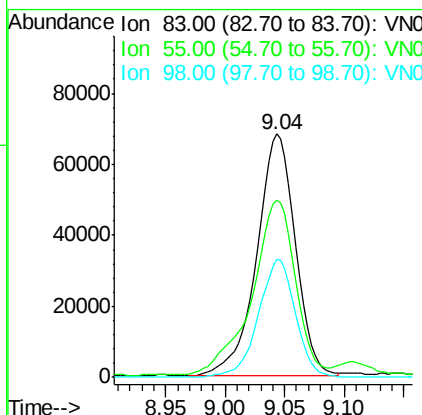
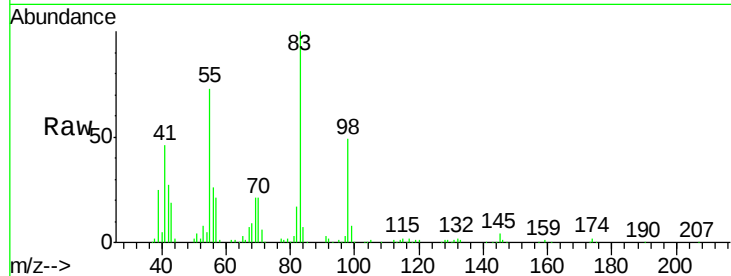




#39
Methvlcvclohexane
Concen: 26.319 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

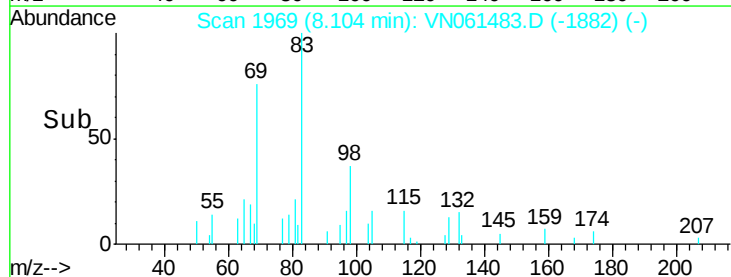
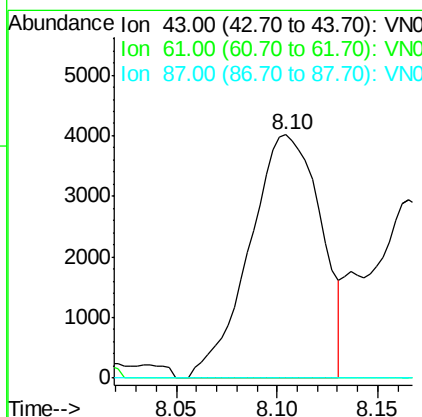
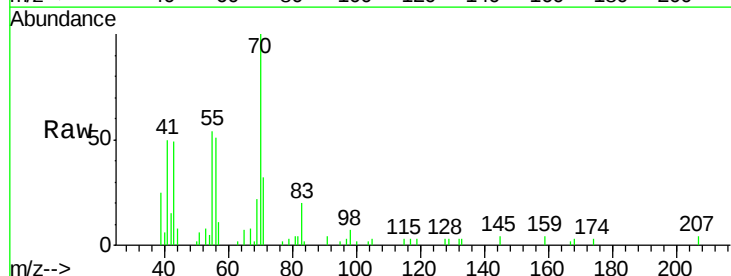
Instrument :
MSVOA_N
ClientSampled :

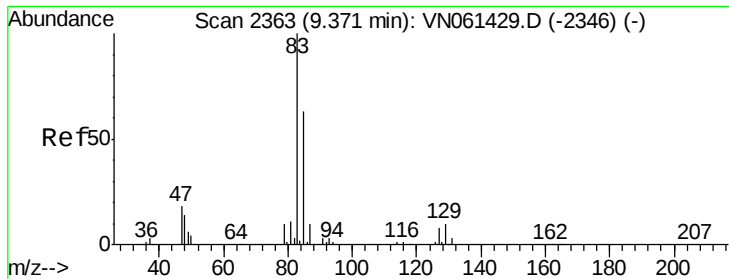
Tot Ion: 83 Resp: 152421
Ion Ratio Lower Upper
83 100
55 71.9 59.7 89.5
98 48.9 38.9 58.3



#43
Isopropyl Acetate
Concen: 1.315 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.02 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion: 43 Resp: 9864
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.4#
87 0.0 11.6 17.4#





#47

Bromodichloromethane

Concen: 0.295 ug/l

RT: 9.33 min Scan# 2351

Delta R.T. -0.04 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

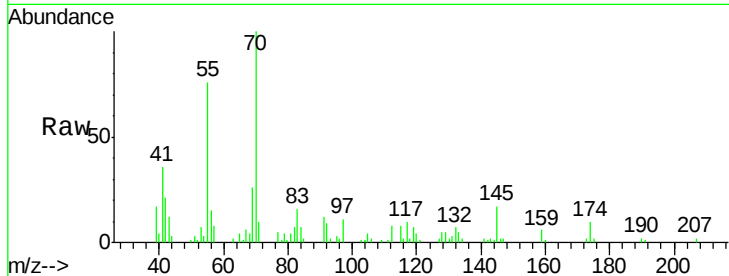
Tot Ion: 83 Resp: 1556

Ion Ratio Lower Upper

83 100

85 16.8 50.6 76.0#

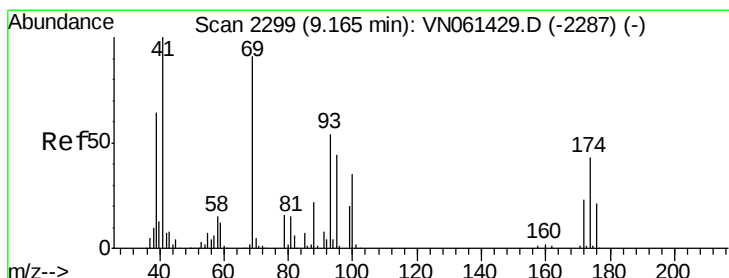
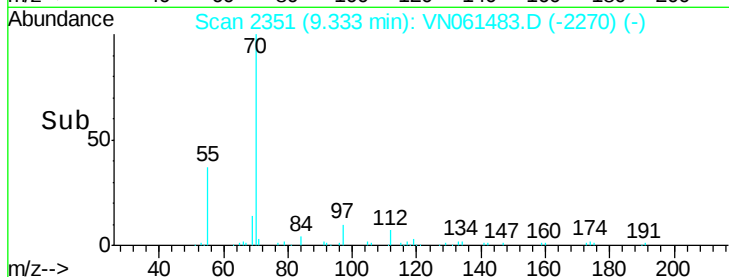
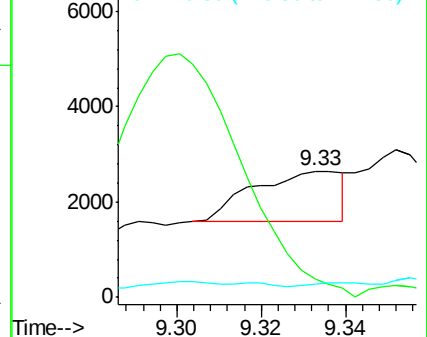
127 0.0 6.1 9.1#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 5.859 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.06 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

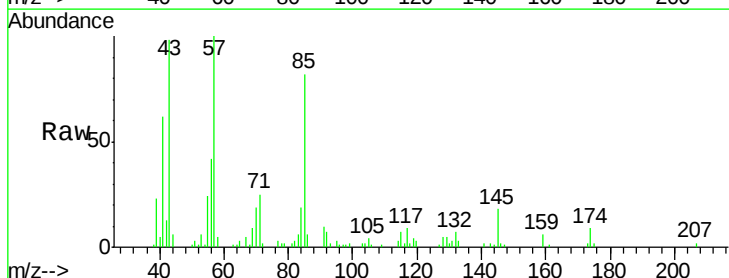
Tgt Ion: 41 Resp: 20299

Ion Ratio Lower Upper

41 100

69 14.7 75.3 112.9#

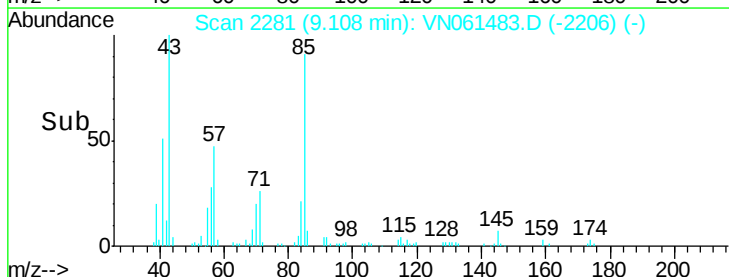
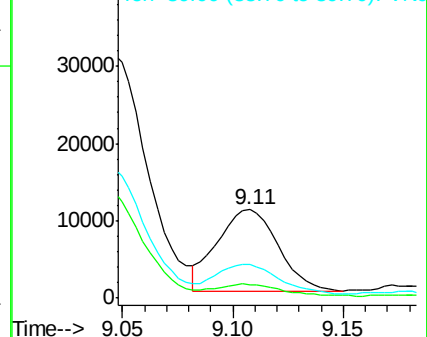
39 39.8 52.6 79.0#

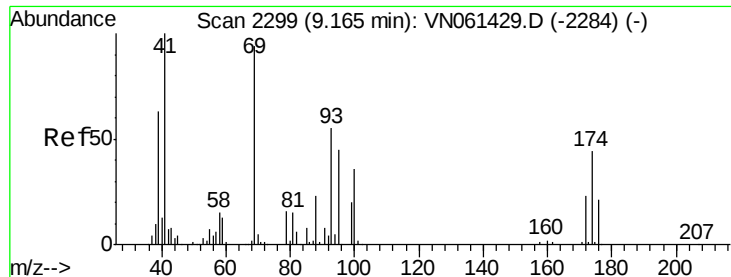


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

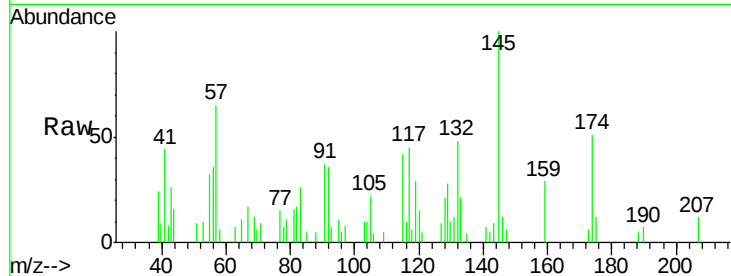




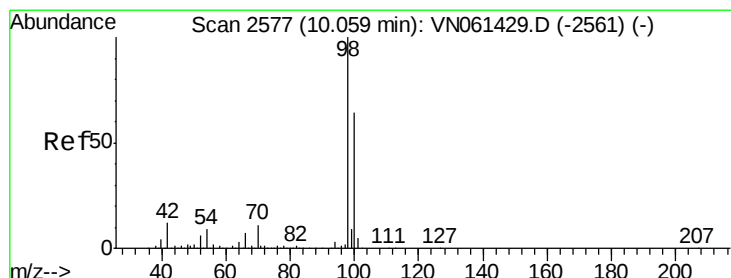
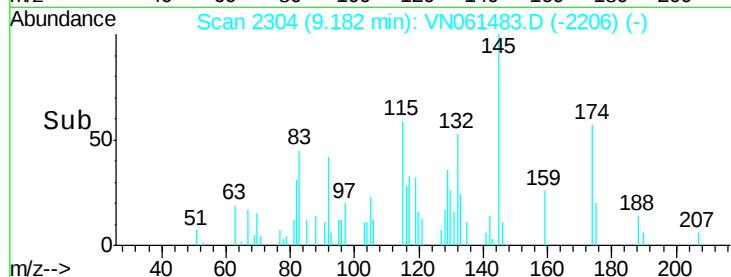
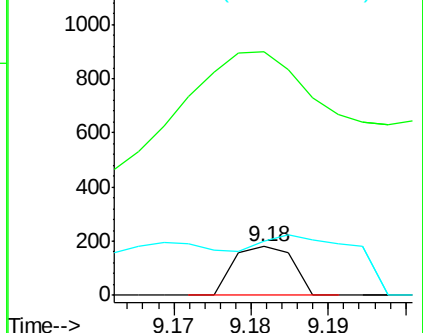
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.18 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 201.0 54.1 81.1#

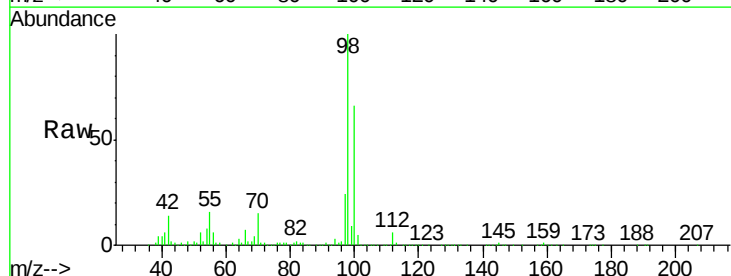


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

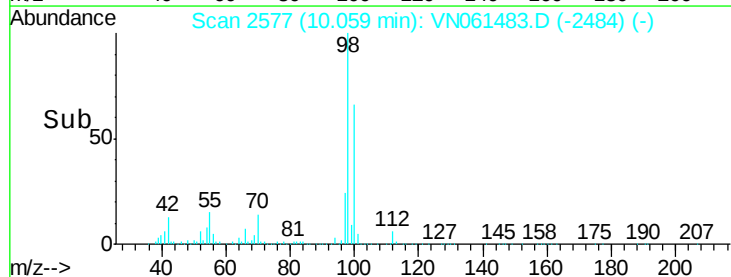
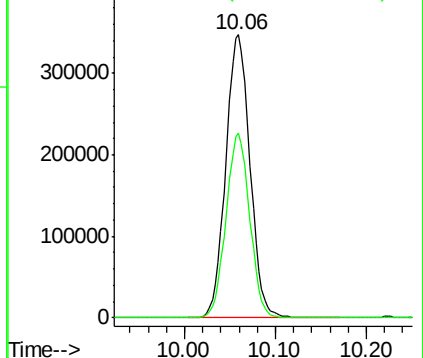


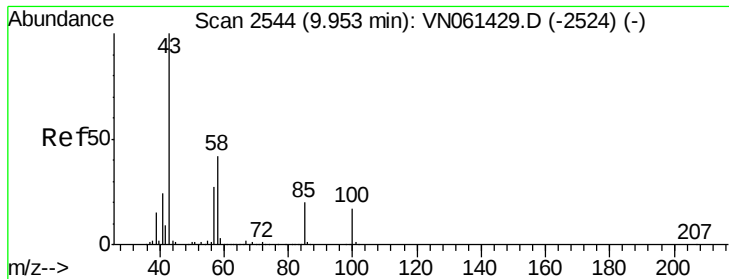
#50
Toluene-d8
Concen: 52.194 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion: 98 Resp: 643112
Ion Ratio Lower Upper
98 100
100 63.9 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: 3.474 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

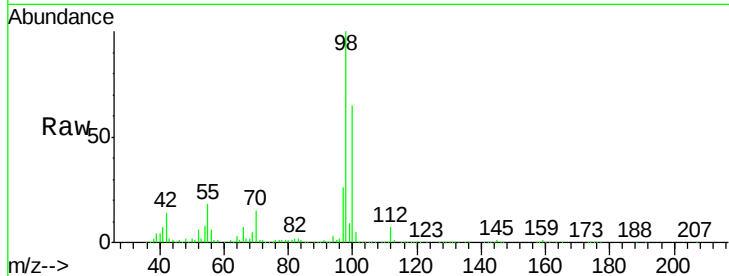
ClientSampleId :

Tot Ion: 43 Resp: 14194

Ion Ratio Lower Upper

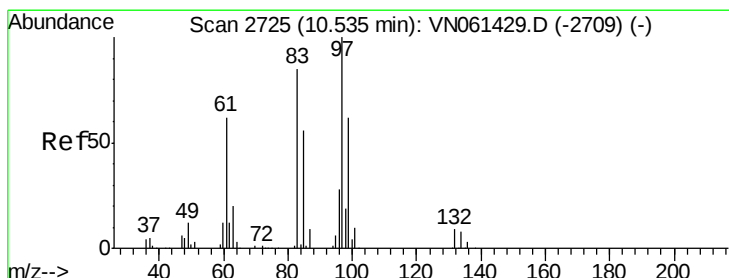
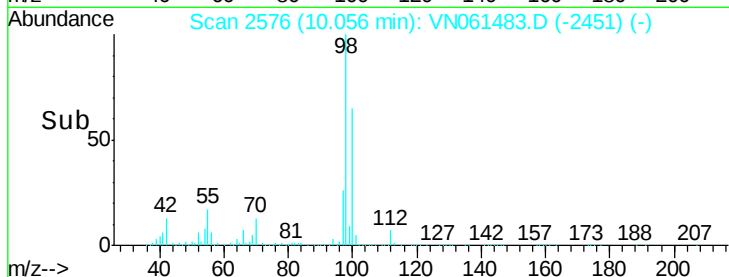
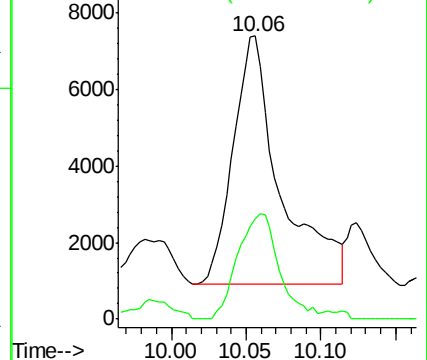
43 100

58 37.7 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#55

1,1,2-Trichloroethane

Concen: 19.397 ug/l

RT: 10.50 min Scan# 2714

Delta R.T. -0.04 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Tgt Ion: 97 Resp: 67276

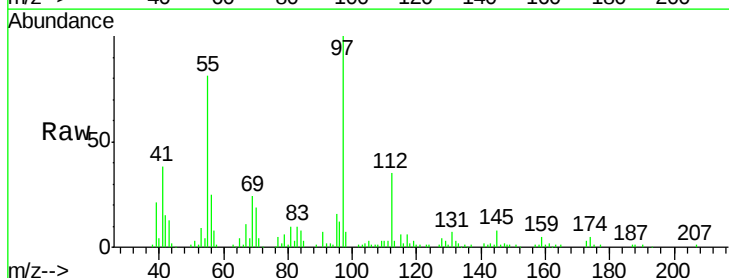
Ion Ratio Lower Upper

97 100

83 7.6 68.2 102.4#

85 2.2 44.6 67.0#

99 0.0 49.5 74.3#

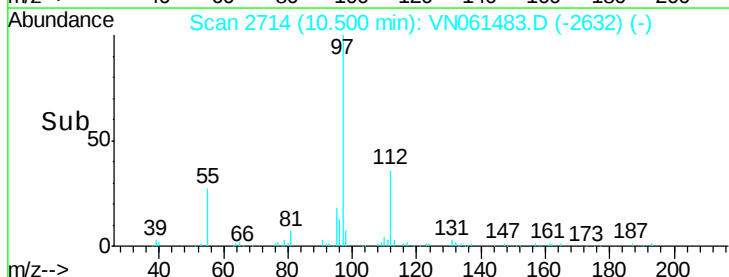
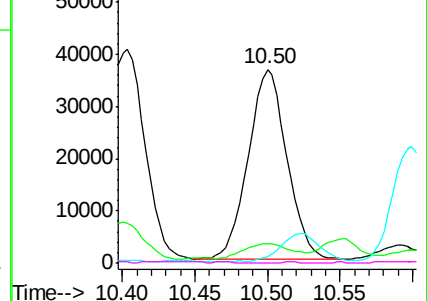


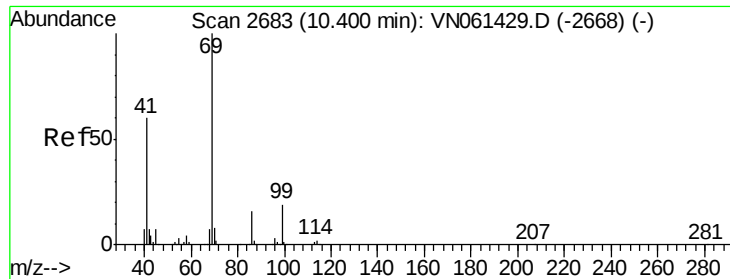
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 3.398 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

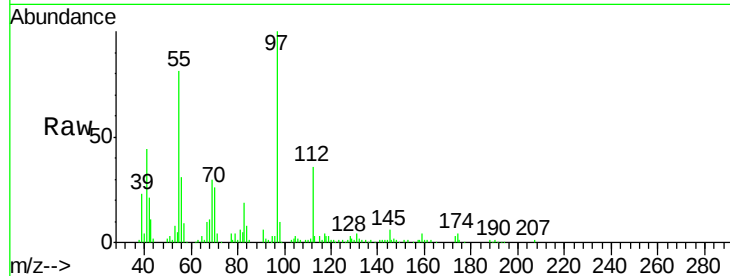
Tot Ion: 69 Resp: 18425

Ion Ratio Lower Upper

69 100

41 183.4 48.3 72.5#

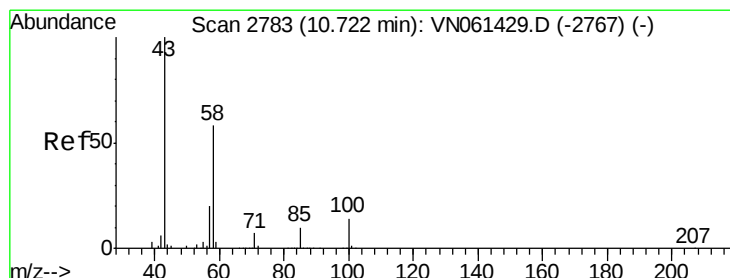
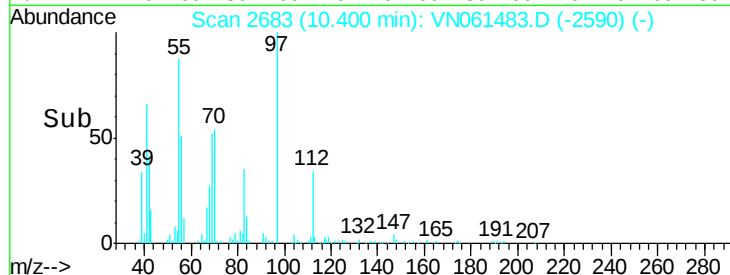
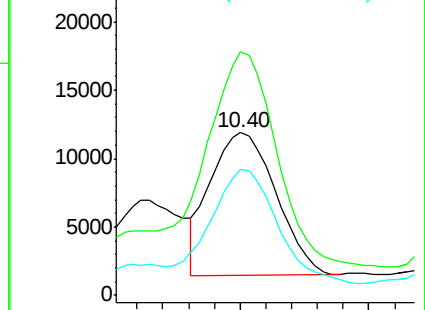
39 82.8 30.2 45.2#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 32.838 ug/l

RT: 10.69 min Scan# 2773

Delta R.T. -0.03 min

Lab File: VN061483.D

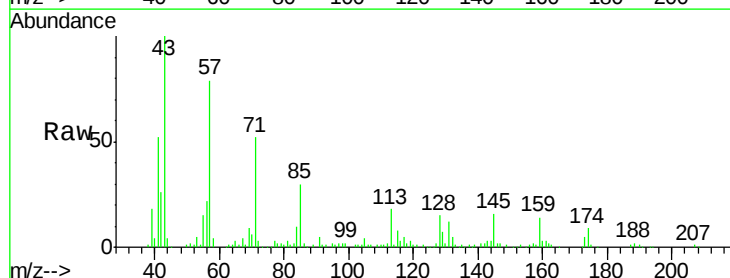
Acq: 19 May 2020 15:10

Tgt Ion: 43 Resp: 97064

Ion Ratio Lower Upper

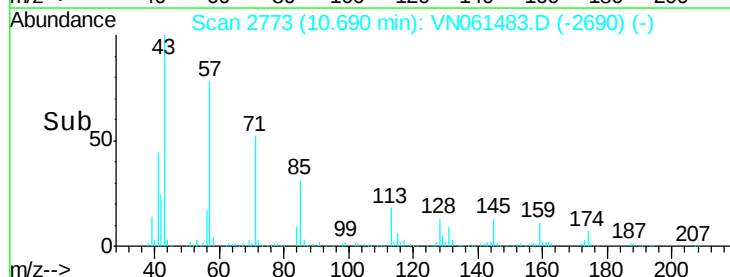
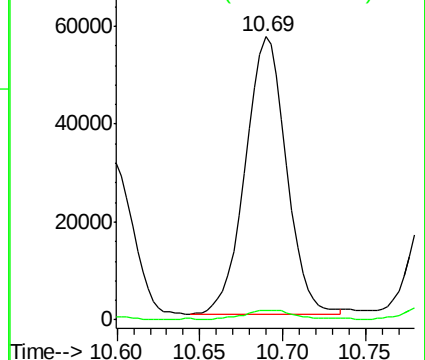
43 100

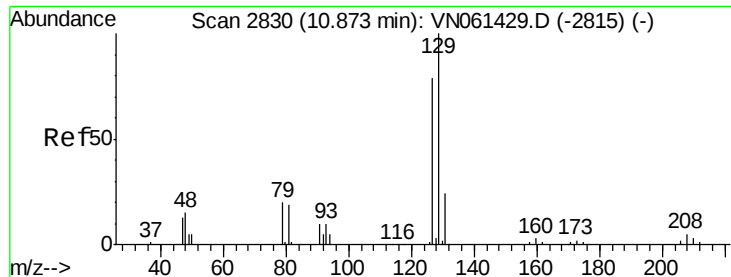
58 4.4 29.2 87.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.318 ug/l

RT: 10.93 min Scan# 2849

Delta R.T. 0.06 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

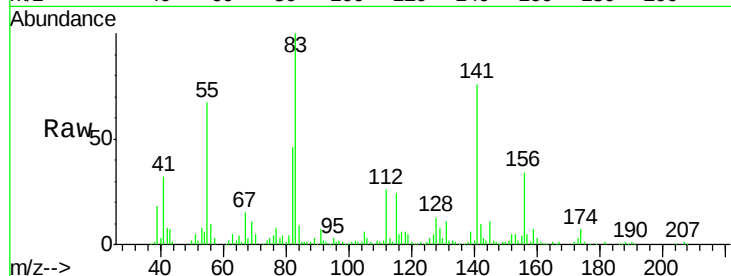
ClientSampleId :

Tot Ion:129 Resp: 1219

Ion Ratio Lower Upper

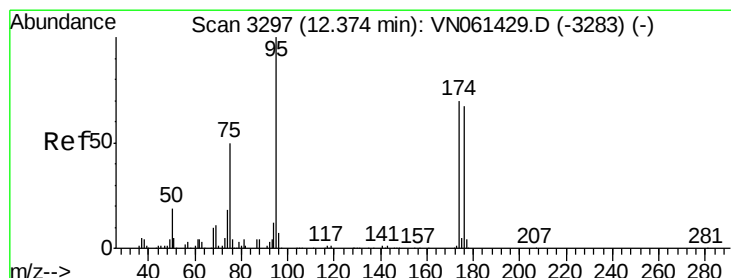
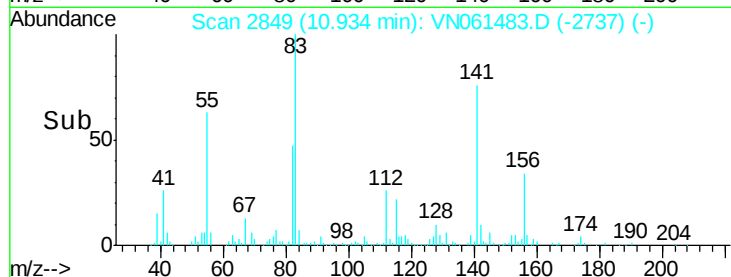
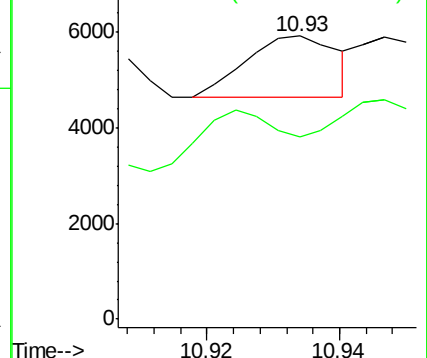
129 100

127 92.5 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 62.685 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

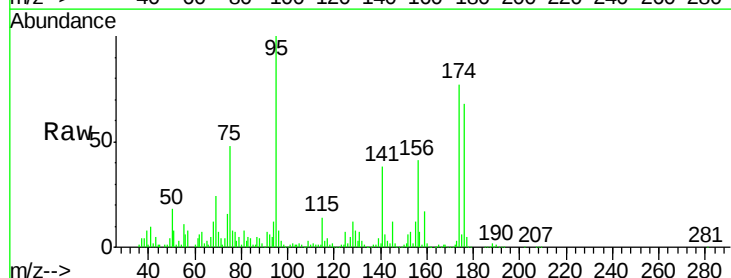
Tgt Ion: 95 Resp: 288567

Ion Ratio Lower Upper

95 100

174 77.3 0.0 141.2

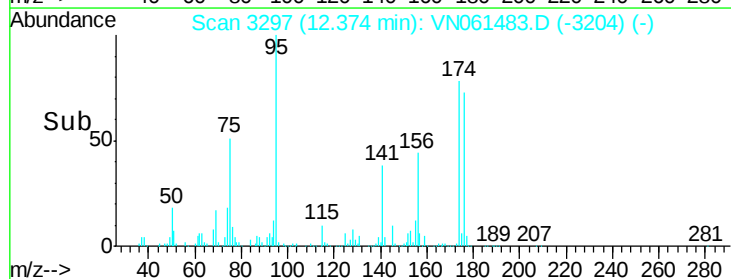
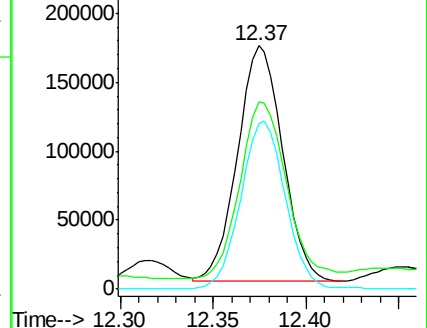
176 71.0 0.0 137.6

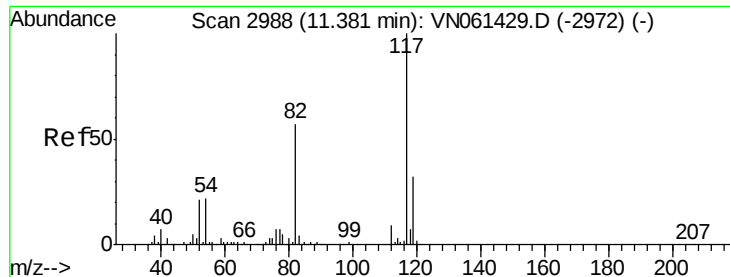


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

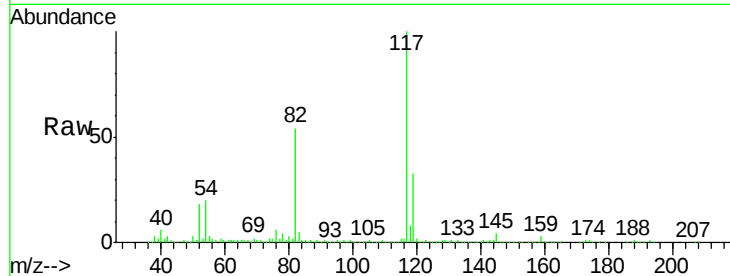




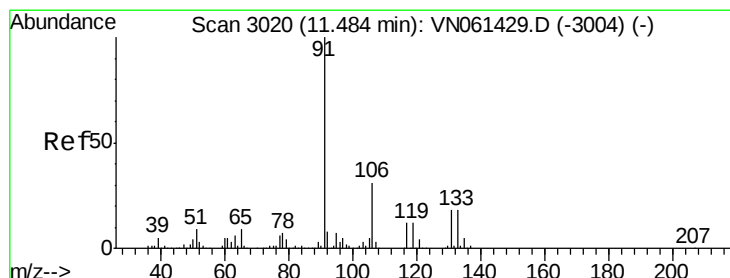
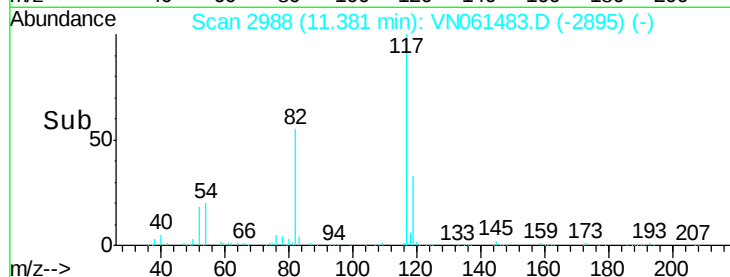
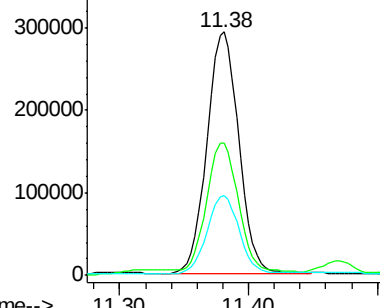
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 500933
Ion Ratio Lower Upper
117 100
82 52.7 45.2 67.8
119 32.7 25.3 37.9

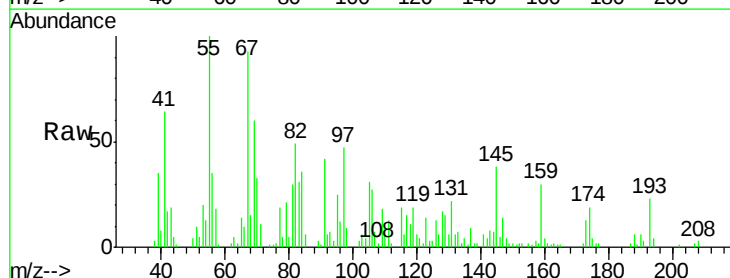


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

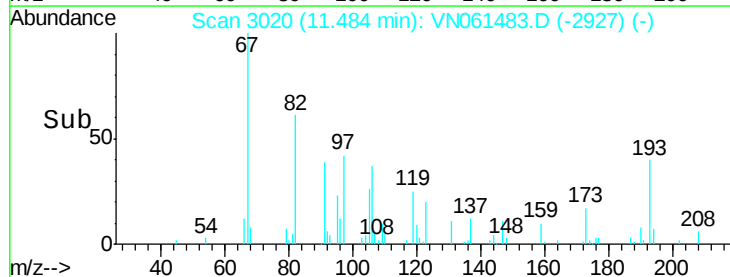
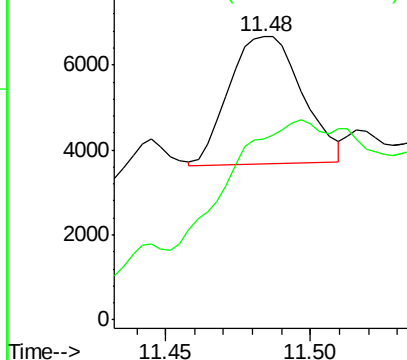


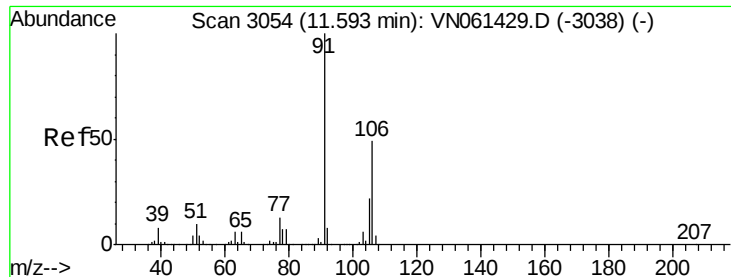
#67
Ethyl Benzene
Concen: 0.284 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion: 91 Resp: 5294
Ion Ratio Lower Upper
91 100
106 72.4 24.6 36.8#



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

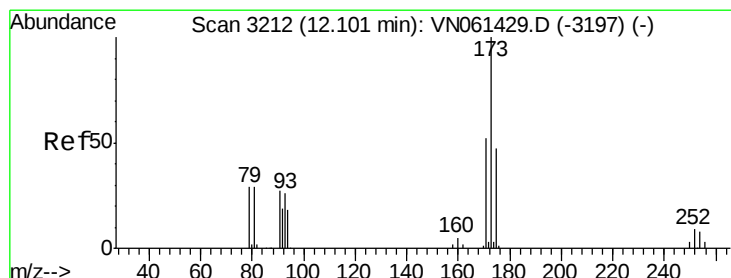
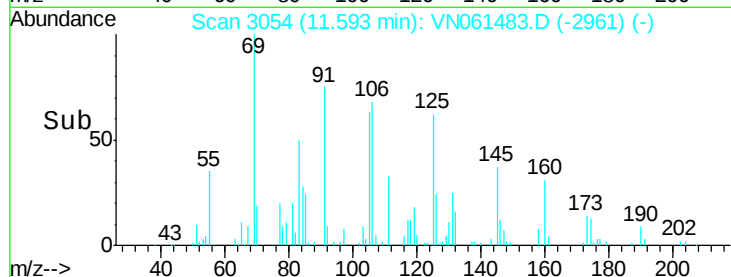
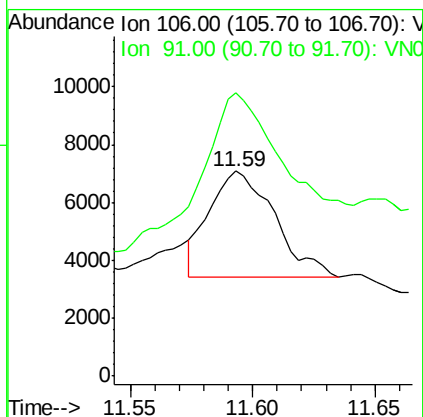
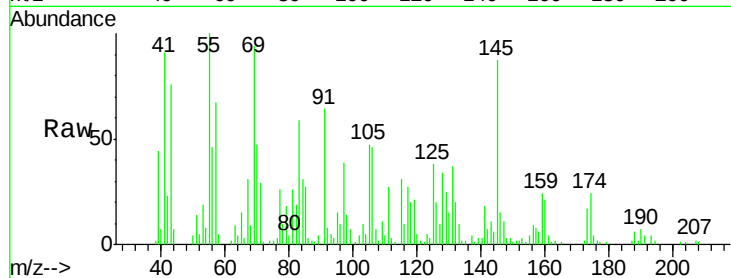




#68
m/p-Xvlenes
Concen: 0.949 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

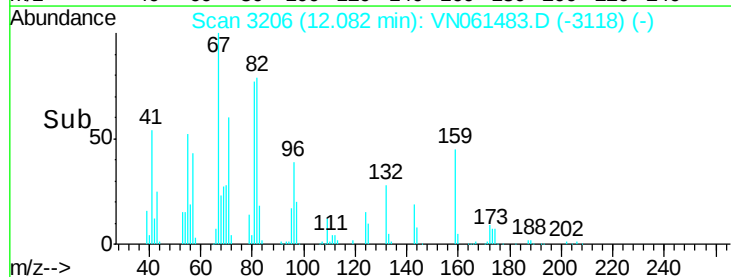
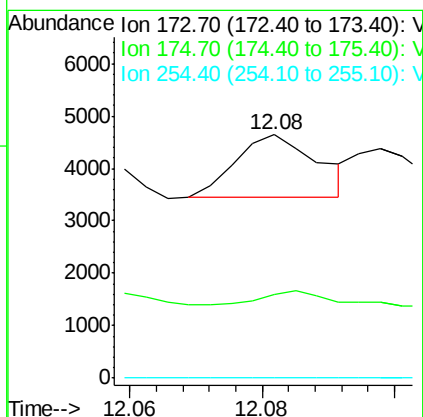
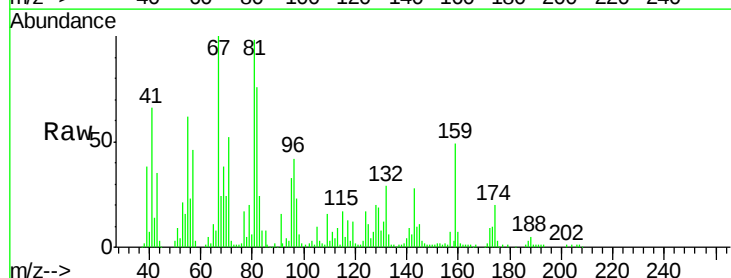
Instrument :
MSVOA_N
ClientSampled :

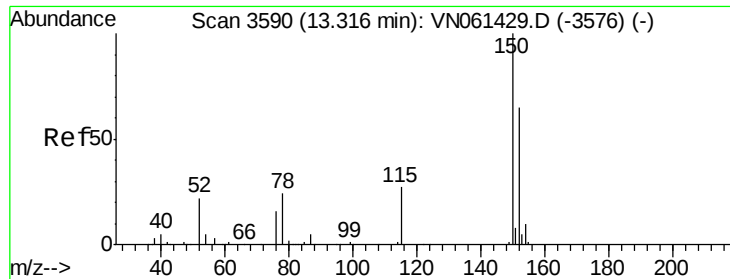
Tot Ion:106 Resp: 6717
Ion Ratio Lower Upper
106 100
91 213.6 163.0 244.6



#71
Bromoform
Concen: 2.360 ug/l
RT: 12.08 min Scan# 3206
Delta R.T. -0.02 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion:173 Resp: 1009
Ion Ratio Lower Upper
173 100
175 175.2 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

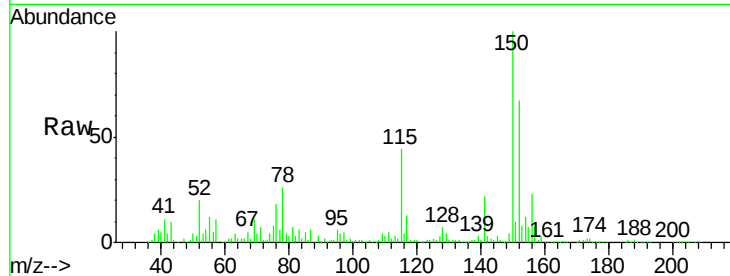
Tot Ion:152 Resp: 357561

Ion Ratio Lower Upper

152 100

115 78.5 30.9 92.5

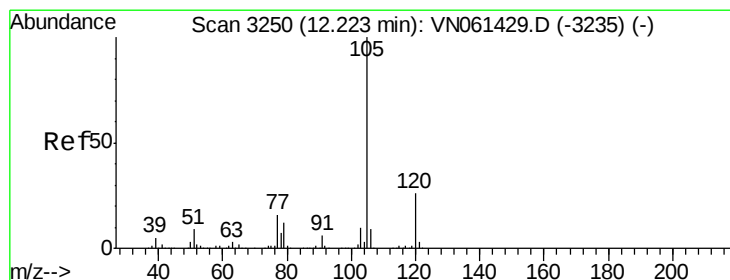
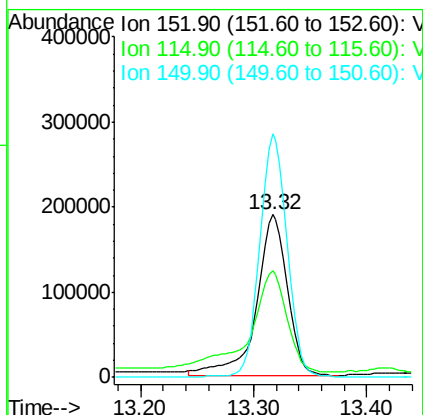
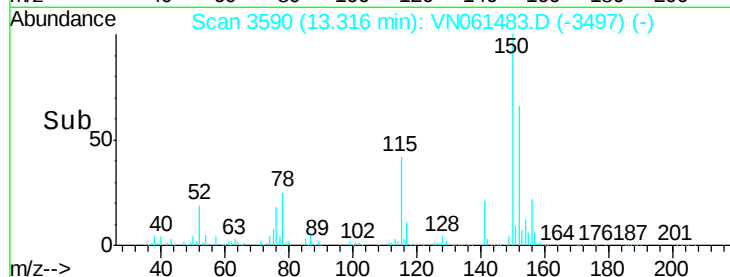
150 133.6 0.0 349.2



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: 5.651 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061483.D

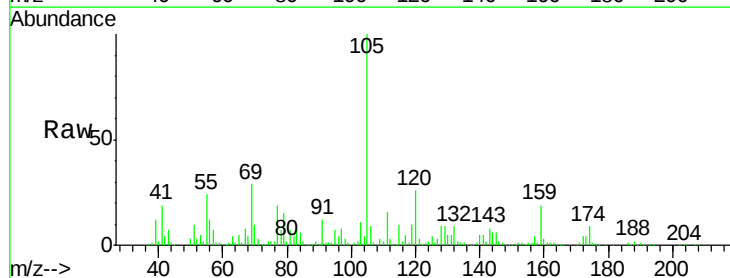
Acq: 19 May 2020 15:10

Tgt Ion:105 Resp: 162212

Ion Ratio Lower Upper

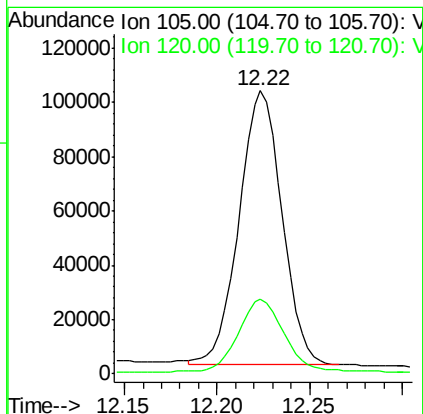
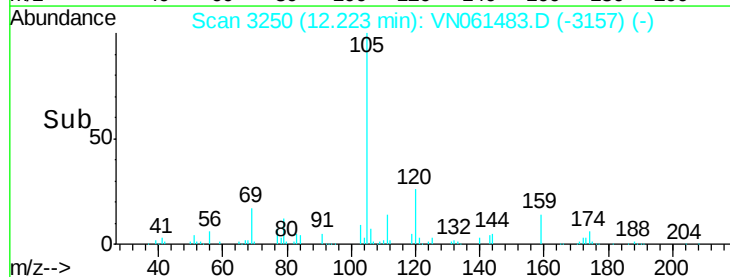
105 100

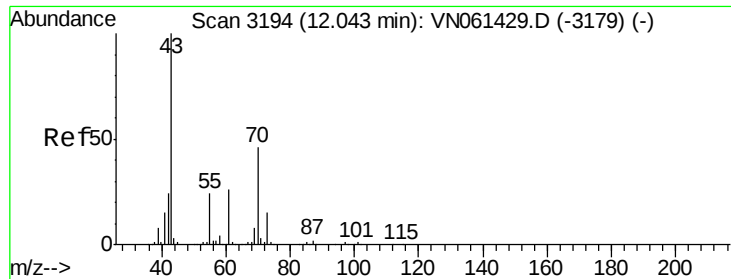
120 28.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 6.804 ug/l

RT: 12.02 min Scan# 3186

Delta R.T. -0.03 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 71491

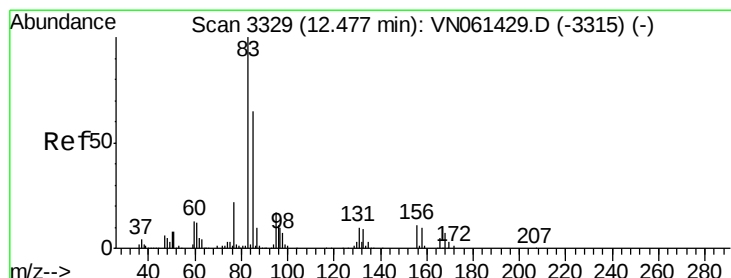
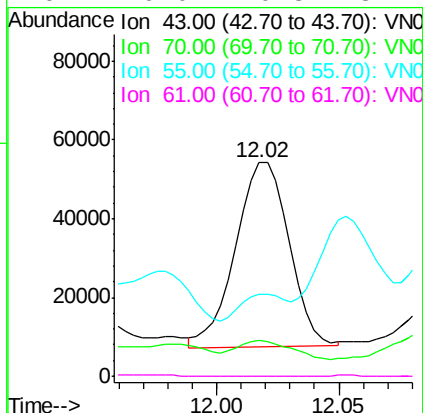
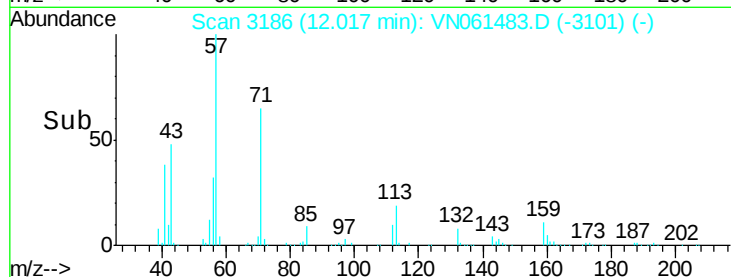
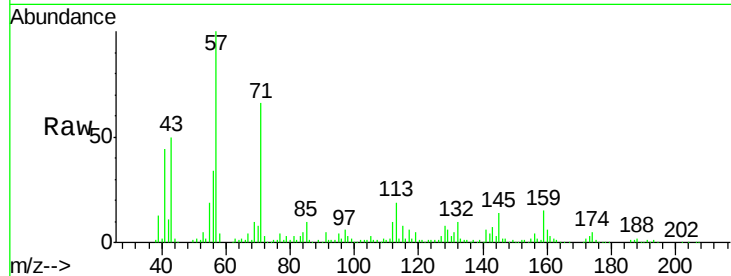
Ion Ratio Lower Upper

43 100

70 10.0 37.0 55.4#

55 11.9 19.5 29.3#

61 0.0 20.8 31.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.964 ug/l

RT: 12.43 min Scan# 3315

Delta R.T. -0.04 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

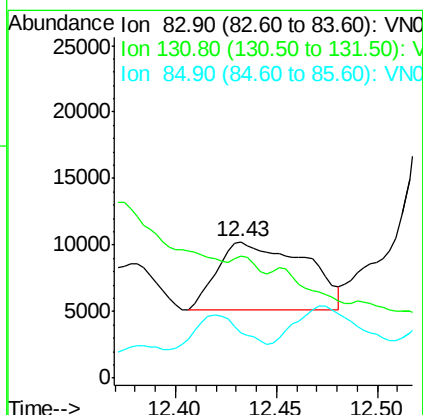
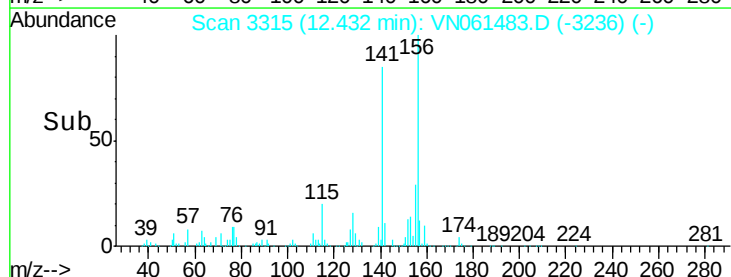
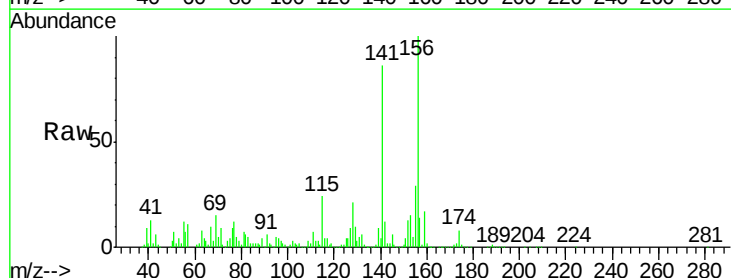
Tgt Ion: 83 Resp: 15507

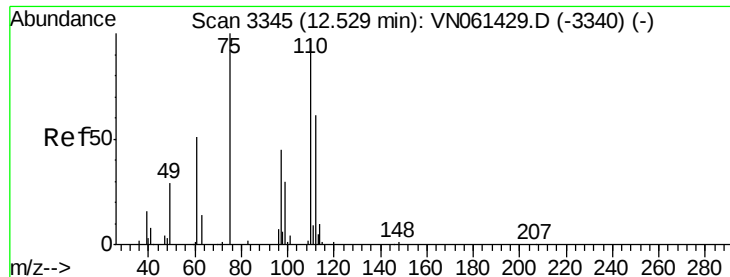
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 26.1 32.1 96.5#





#76

1,2,3-Trichloropropane

Concen: 19.494 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

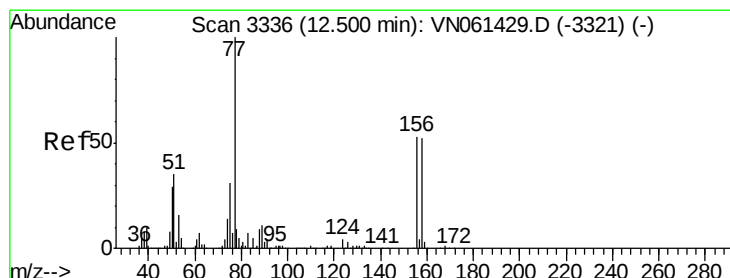
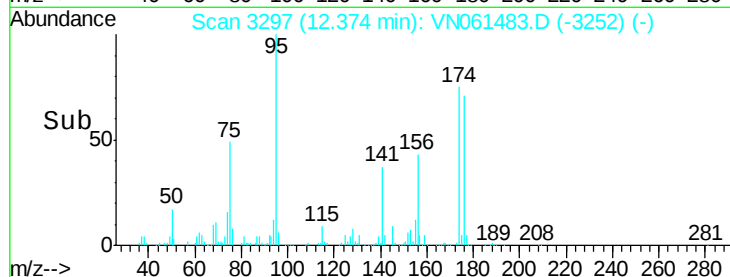
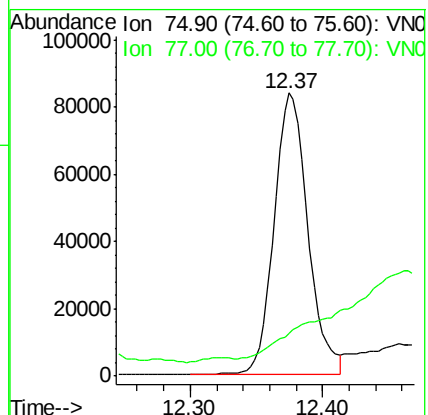
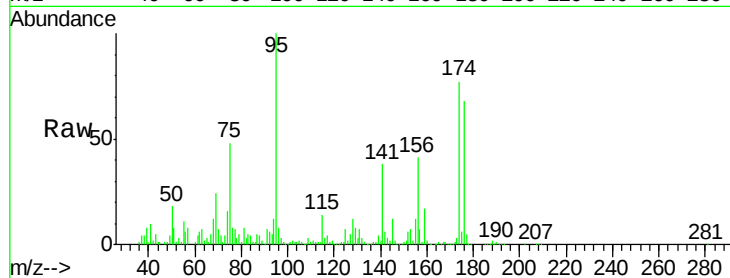
ClientSampled :

Tot Ion: 75 Resp: 149563

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 313.054 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.02 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

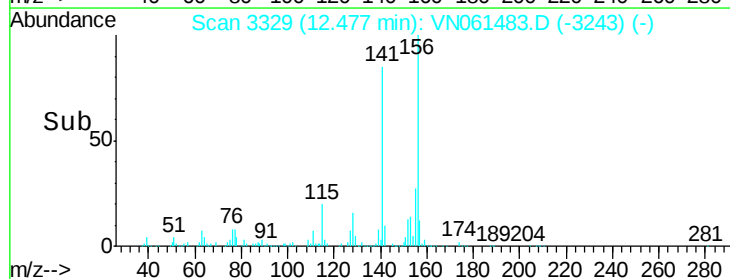
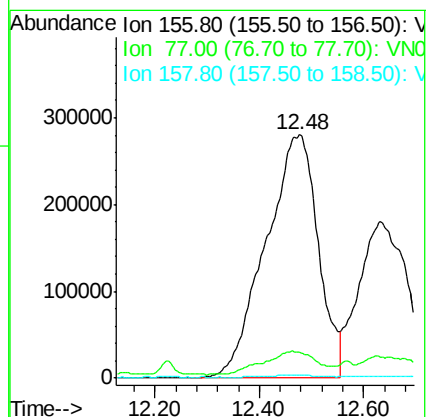
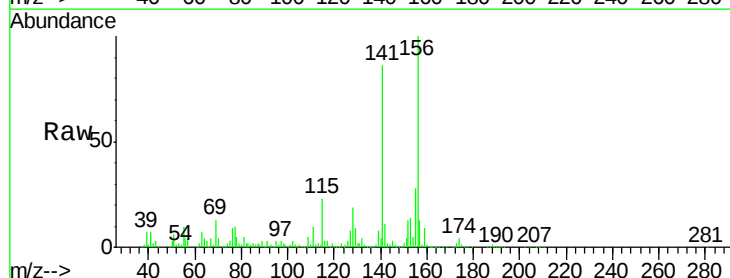
Tgt Ion: 156 Resp: 1950197

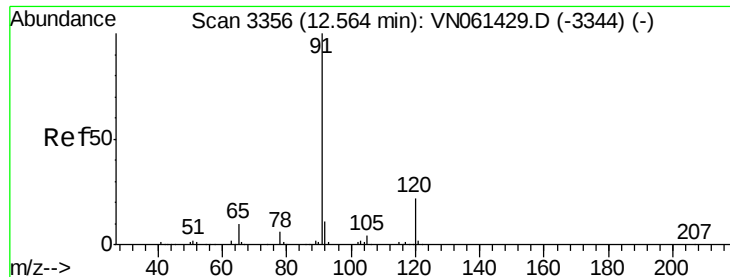
Ion Ratio Lower Upper

156 100

77 9.1 112.3 336.9#

158 0.0 47.9 143.6#





#78

n-propylbenzene

Concen: 11.024 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

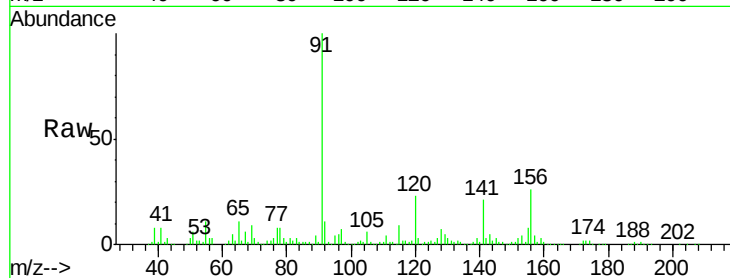
ClientSampleId :

Tot Ion: 91 Resp: 360568

Ion Ratio Lower Upper

91 100

120 24.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3344) (-)

12.56

250000

200000

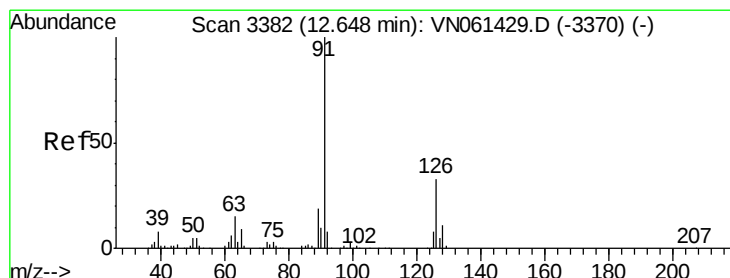
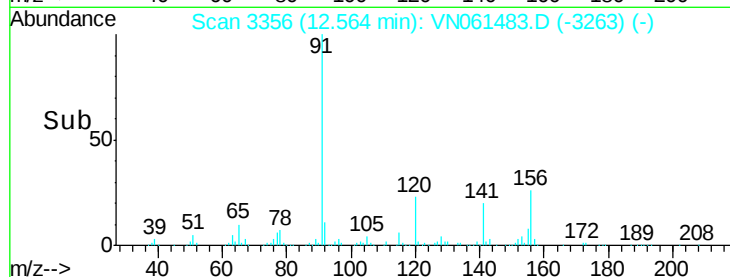
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: 18.651 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.08 min

Lab File: VN061483.D

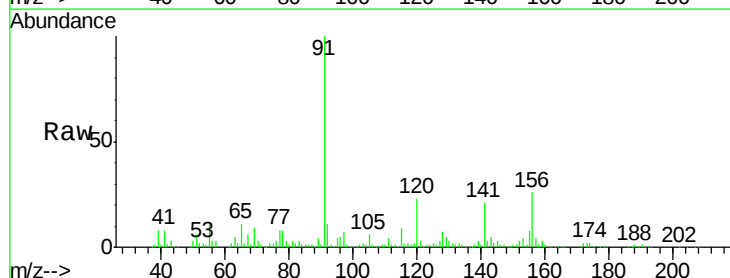
Acq: 19 May 2020 15:10

Tgt Ion: 91 Resp: 360568

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

12.56

250000

200000

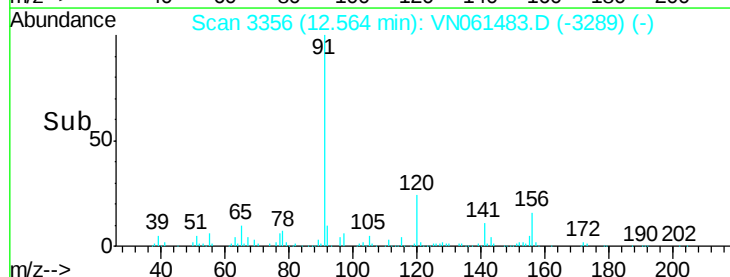
150000

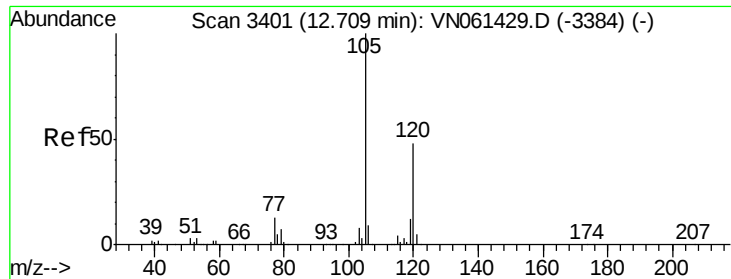
100000

50000

0

Time-->

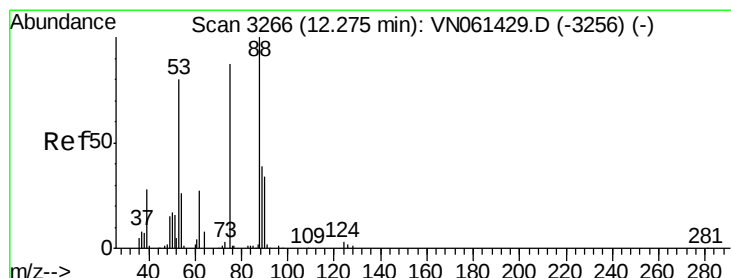
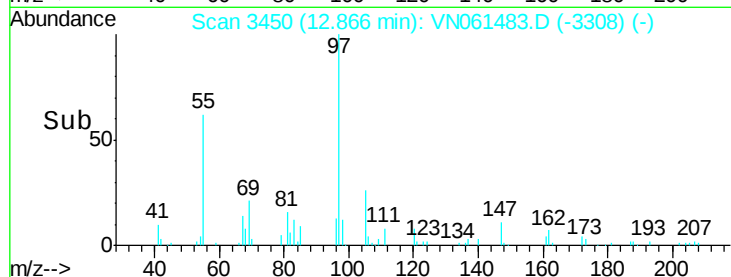
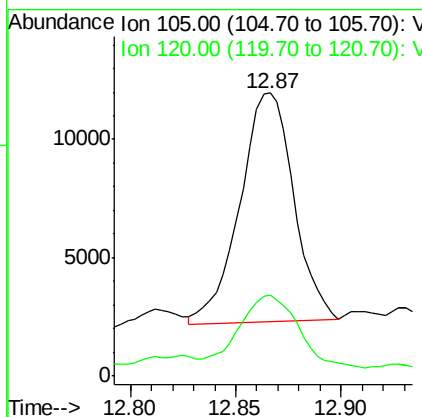
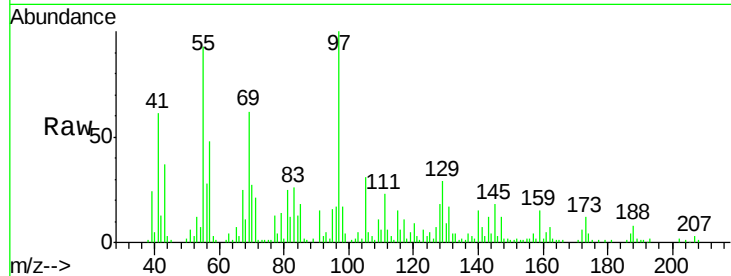




#80
 1,3,5-Trimethylbenzene
 Concen: 0.729 ug/l
 RT: 12.87 min Scan# 3450
 Delta R.T. 0.16 min
 Lab File: VN061483.D
 Acq: 19 May 2020 15:10

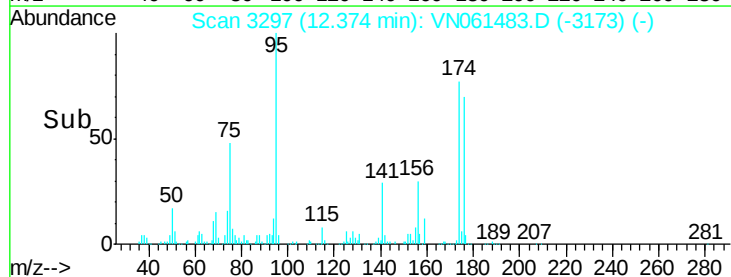
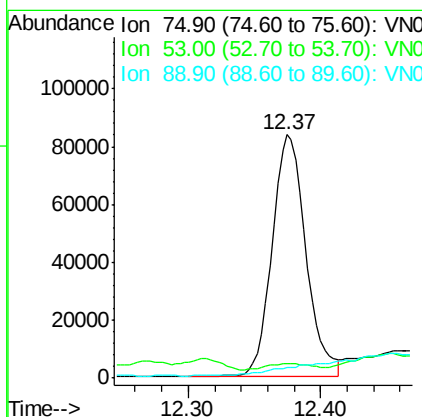
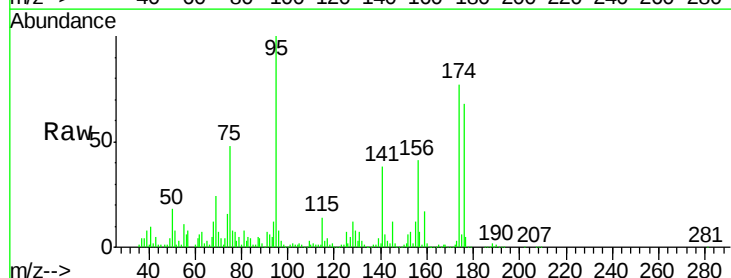
Instrument :
 MSVOA_N
 ClientSampleId :

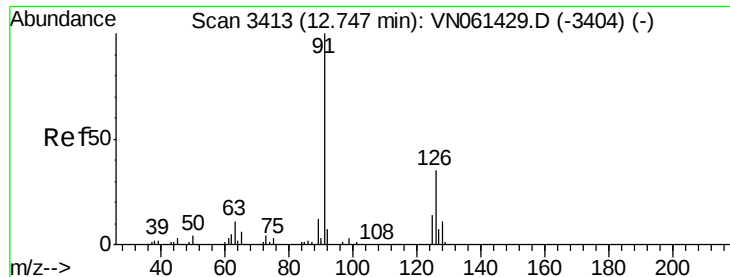
Tot Ion:105 Resp: 17132
 Ion Ratio Lower Upper
 105 100
 120 34.5 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.712 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061483.D
 Acq: 19 May 2020 15:10

Tgt Ion: 75 Resp: 149563
 Ion Ratio Lower Upper
 75 100
 53 3.2 75.2 112.8#
 89 0.0 38.2 57.4#





#82

4-Chlorotoluene

Concen: 18.013 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.18 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

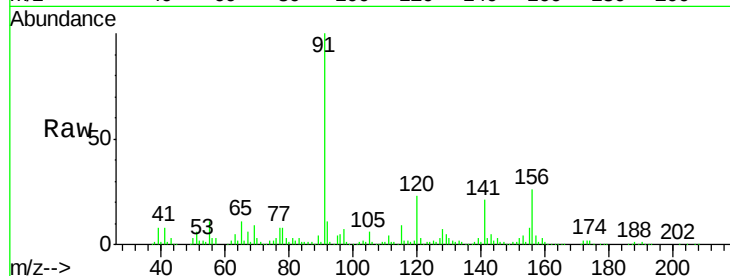
ClientSampleId :

Tot Ion: 91 Resp: 360568

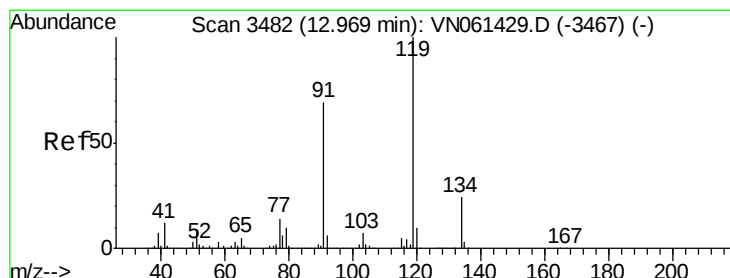
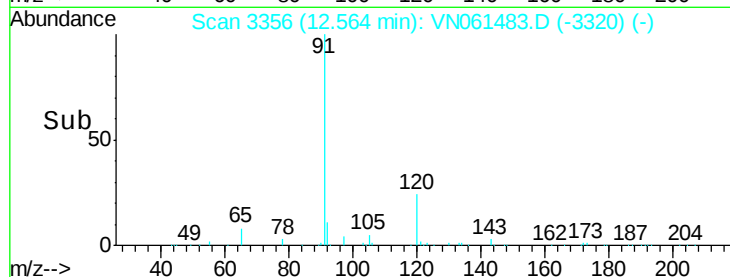
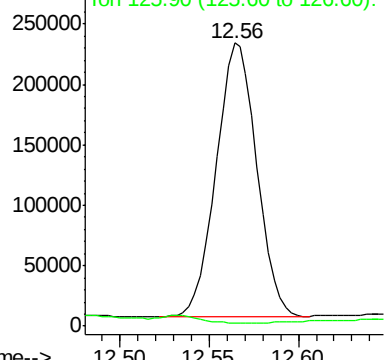
Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3404) (-)



#83

tert-Butylbenzene

Concen: 1.072 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

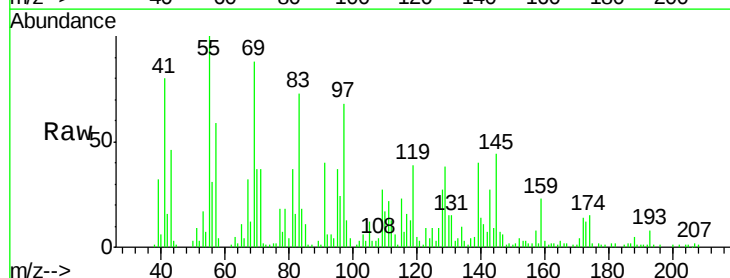
Tgt Ion: 119 Resp: 21586

Ion Ratio Lower Upper

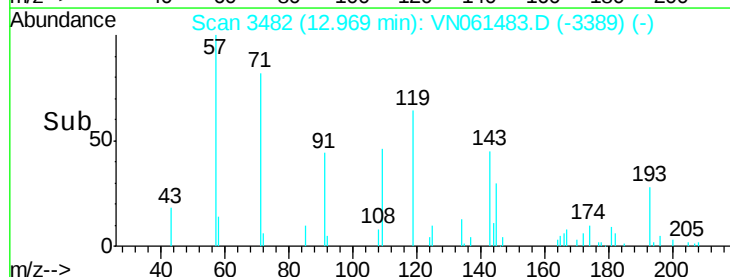
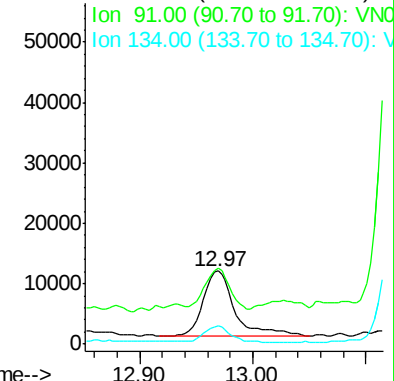
119 100

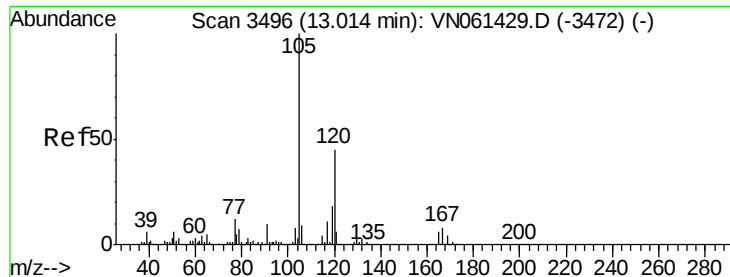
91 46.6 33.7 101.0

134 21.0 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): VN061429.D (-3467) (-)

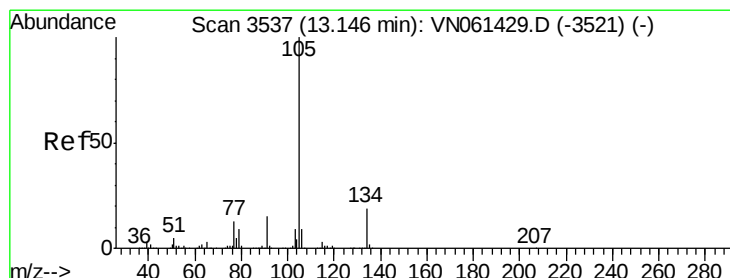
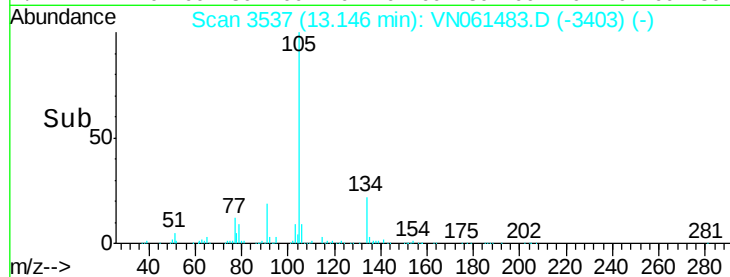
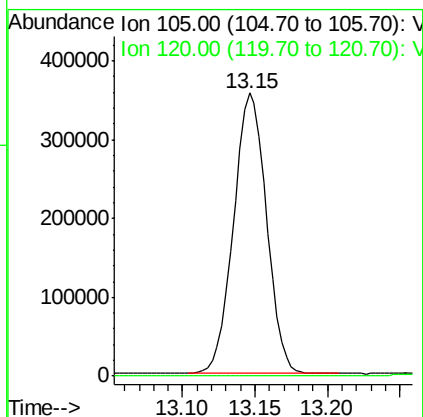
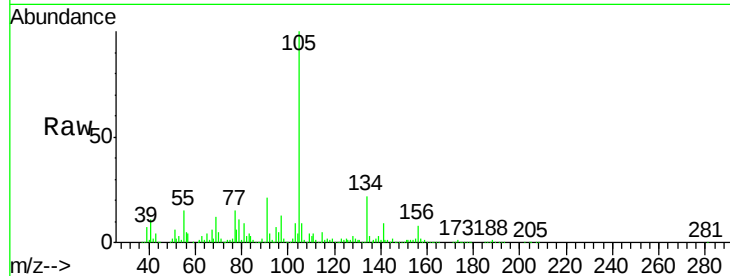




#84
 1,2,4-Trimethylbenzene
 Concen: 23.844 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.13 min
 Lab File: VN061483.D
 Acq: 19 May 2020 15:10

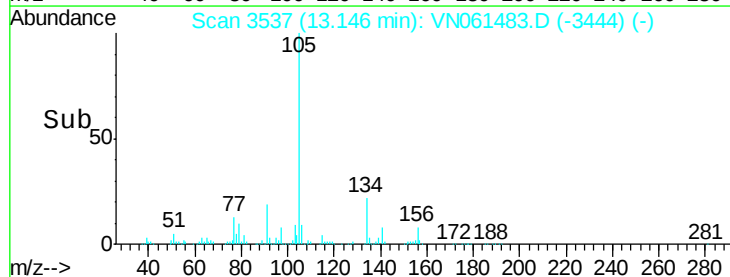
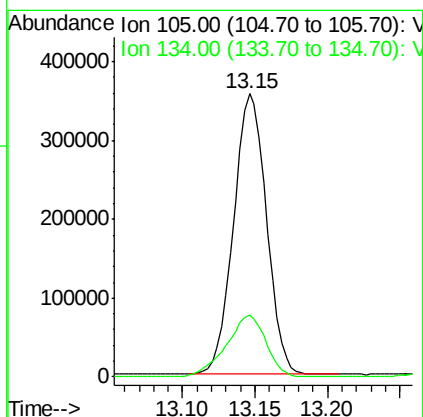
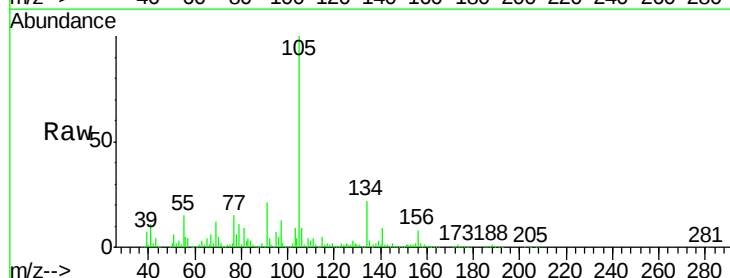
Instrument :
 MSVOA_N
 ClientSampled :

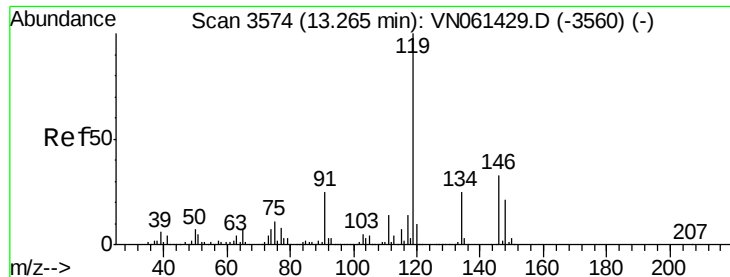
Tot Ion:105 Resp: 560845
 Ion Ratio Lower Upper
 105 100
 120 0.1 22.4 67.3#



#85
 sec-Butylbenzene
 Concen: 20.602 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061483.D
 Acq: 19 May 2020 15:10

Tgt Ion:105 Resp: 560845
 Ion Ratio Lower Upper
 105 100
 134 26.5 9.8 29.5

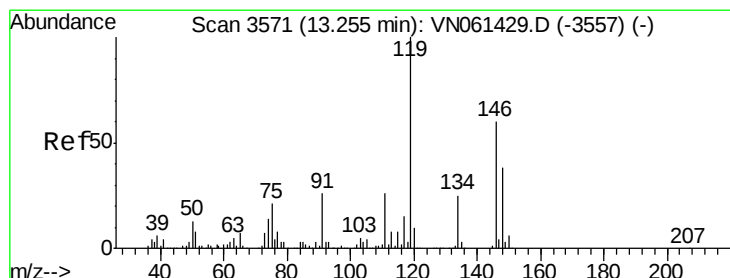
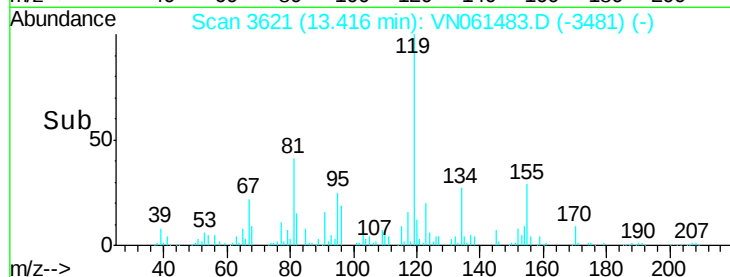
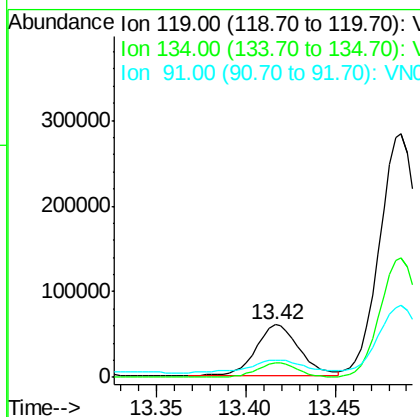
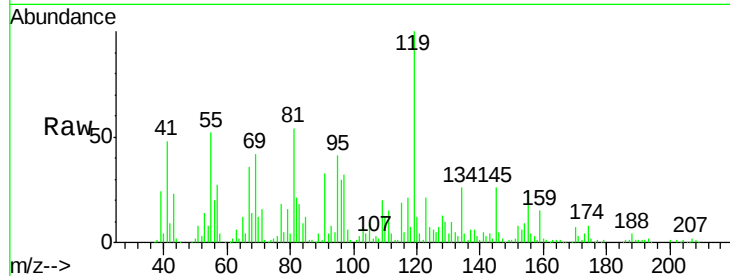




#86
p-Isopropyltoluene
Concen: 4.132 ug/l
RT: 13.42 min Scan# 3621
Delta R.T. 0.15 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

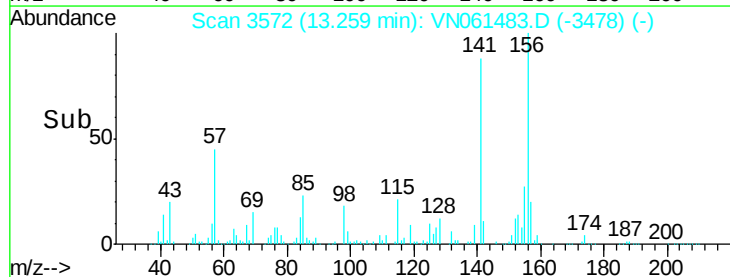
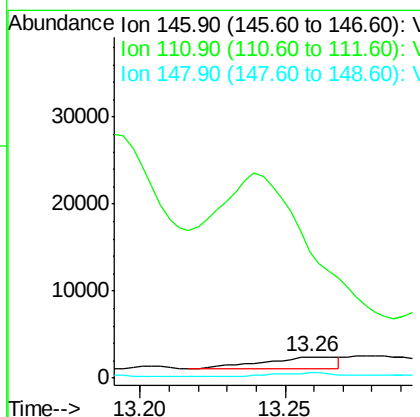
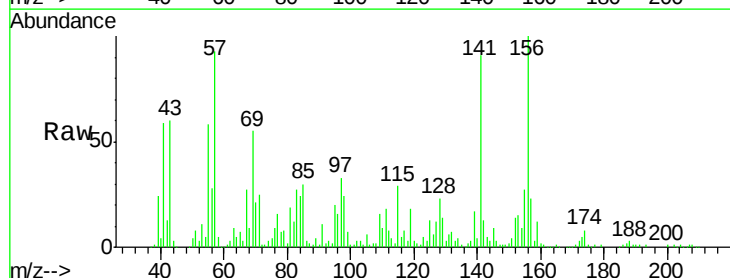
Instrument :
MSVOA_N
ClientSampled :

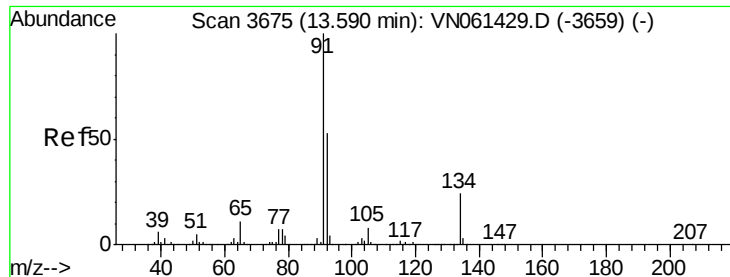
Tot Ion:119 Resp: 99882
Ion Ratio Lower Upper
119 100
134 25.0 12.7 38.1
91 33.1 12.6 37.6



#87
1,3-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061483.D
Acq: 19 May 2020 15:10

Tgt Ion:146 Resp: 2592
Ion Ratio Lower Upper
146 100
111 1281.2 21.5 64.5#
148 25.9 31.8 95.3#





#89

n-Butylbenzene

Concen: 23.118 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

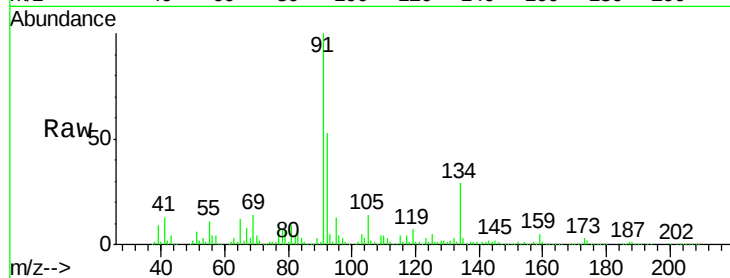
Tot Ion: 91 Resp: 507704

Ion Ratio Lower Upper

91 100

92 48.9 26.8 80.3

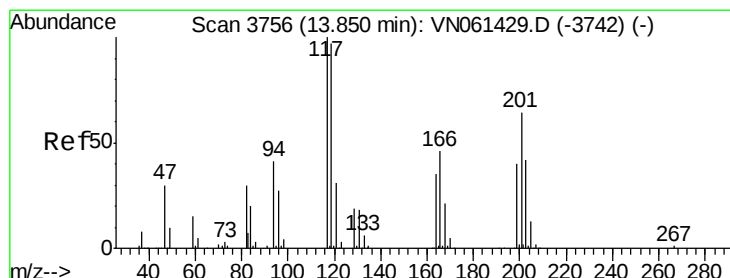
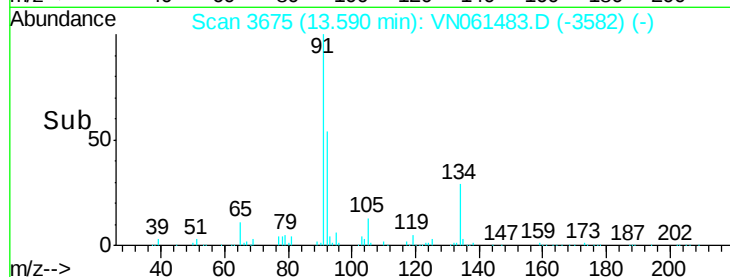
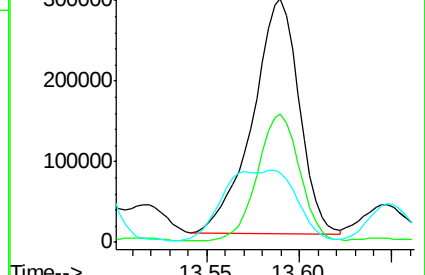
134 23.7 12.4 37.4



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: 55.705 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN061483.D

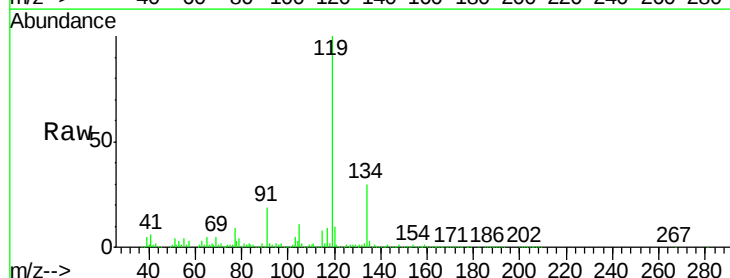
Acq: 19 May 2020 15:10

Tgt Ion: 117 Resp: 182500

Ion Ratio Lower Upper

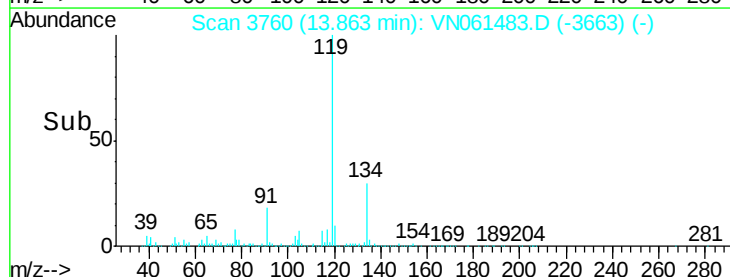
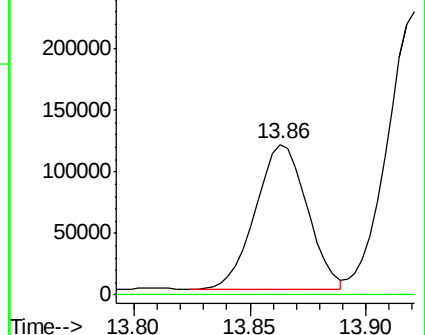
117 100

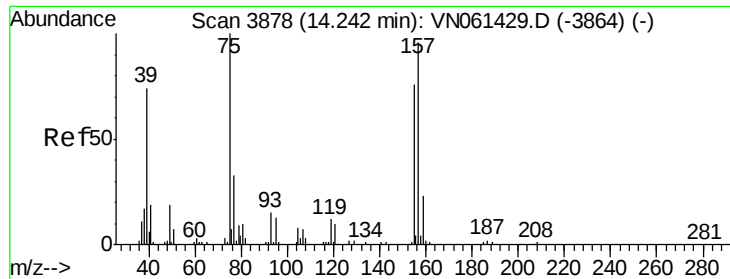
201 0.1 32.9 98.7#



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

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





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.799 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.02 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

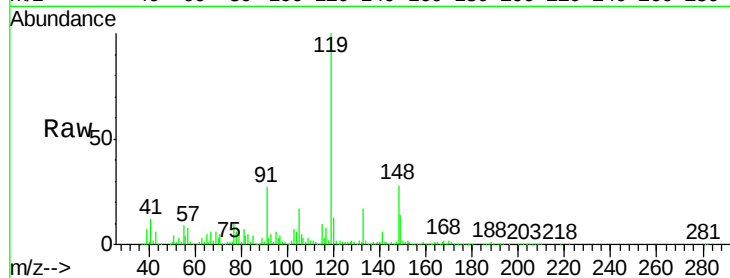
Tot Ion: 75 Resp: 4466

Ion Ratio Lower Upper

75 100

155 0.0 38.9 116.7#

157 0.0 48.6 145.8#

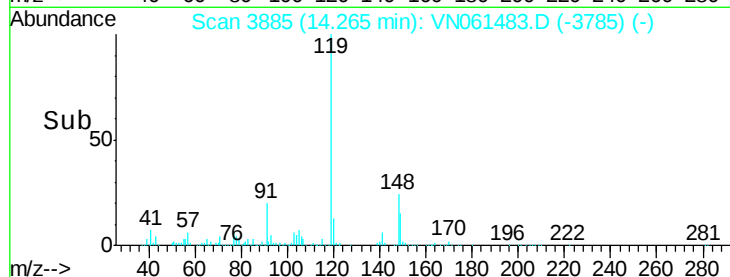


Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3864) (-)

Ion 154.80 (154.50 to 155.50): VN061429.D (-3864) (-)

Ion 156.80 (156.50 to 157.50): VN061429.D (-3864) (-)

Time-->

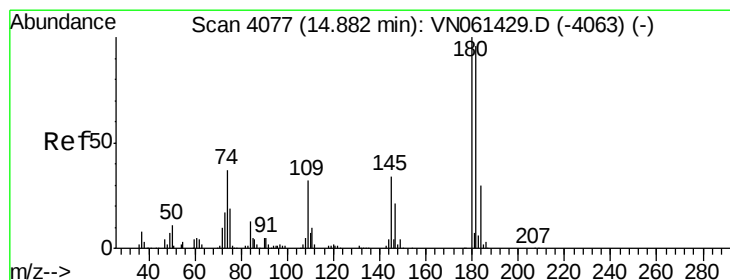


Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3864) (-)

Ion 154.80 (154.50 to 155.50): VN061429.D (-3864) (-)

Ion 156.80 (156.50 to 157.50): VN061429.D (-3864) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.495 ug/l

RT: 14.88 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

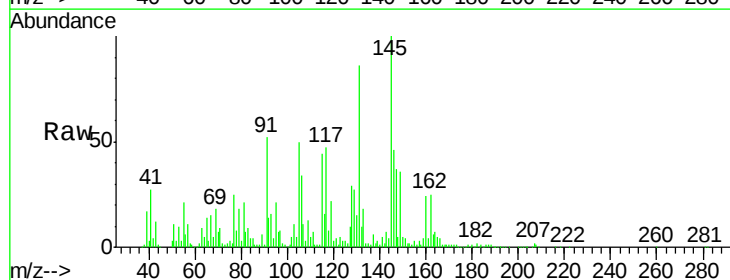
Tgt Ion: 180 Resp: 2934

Ion Ratio Lower Upper

180 100

182 103.1 47.0 141.0

145 13925.5 16.7 50.0#

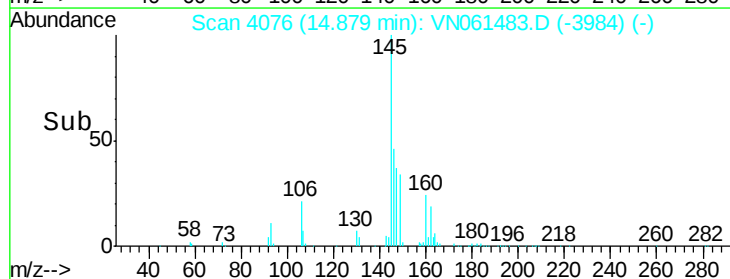


Abundance Ion 179.80 (179.50 to 180.50): VN061429.D (-4063) (-)

Ion 181.80 (181.50 to 182.50): VN061429.D (-4063) (-)

Ion 144.80 (144.50 to 145.50): VN061429.D (-4063) (-)

Time-->

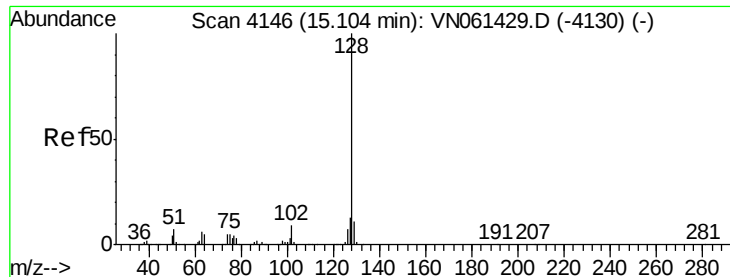


Abundance Ion 179.80 (179.50 to 180.50): VN061429.D (-4063) (-)

Ion 181.80 (181.50 to 182.50): VN061429.D (-4063) (-)

Ion 144.80 (144.50 to 145.50): VN061429.D (-4063) (-)

Time-->



#95

Naphthalene

Concen: 63.585 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

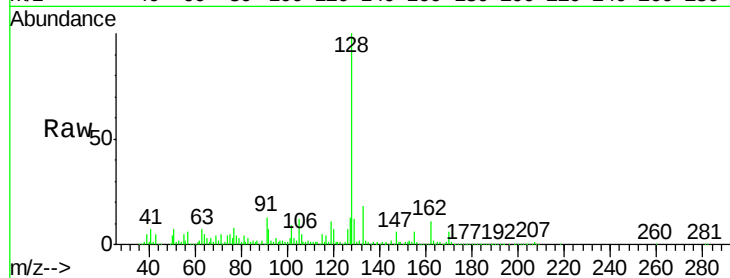
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1198695

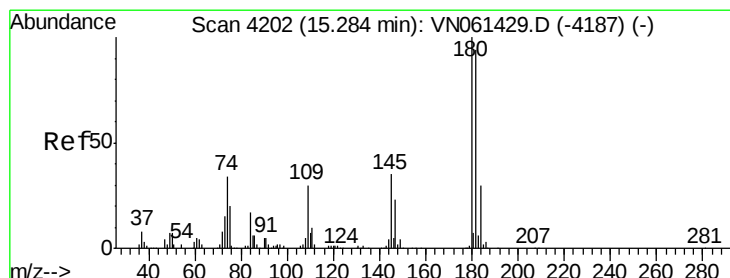
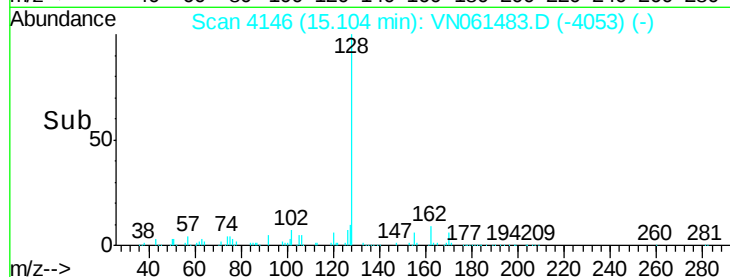
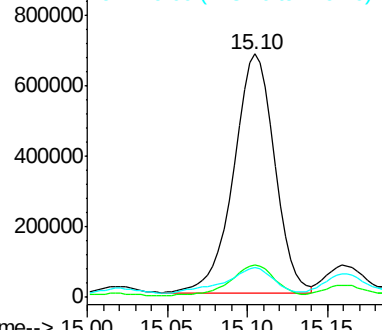
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.1	15.1
129	12.2	8.6	13.0



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: 0.520 ug/l

RT: 15.30 min Scan# 4208

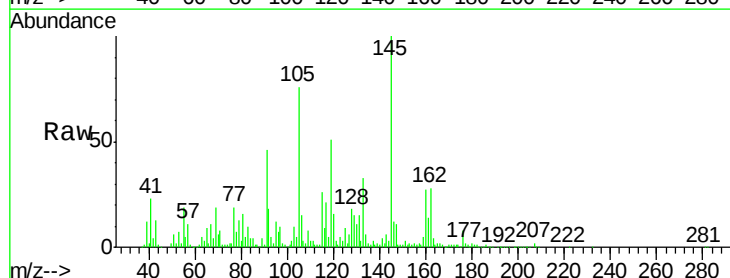
Delta R.T. 0.02 min

Lab File: VN061483.D

Acq: 19 May 2020 15:10

Tgt Ion:180 Resp: 3070

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	17.3	51.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

