

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060420\
 Data File : VN061649.D
 Acq On : 4 Jun 2020 13:30
 Operator : JC/MD
 Sample : L2840-03ME
 Misc : 3.65g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 05 07:24:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	255407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	238473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	142989	46.99	ug/l	0.00
Spiked Amount						
			Recovery	=	93.98%	
35) Dibromofluoromethane	7.54	113	105399	48.79	ug/l	0.00
Spiked Amount						
			Recovery	=	97.58%	
50) Toluene-d8	10.06	98	509709	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.38	95	200551	54.91	ug/l	0.00
Spiked Amount						
			Recovery	=	109.82%	

Target Compounds

					Qvalue
3) Chloromethane	2.03	50	1231	0.395 ug/l	98
10) Methyl Iodide	3.88	142	3159	0.932 ug/l #	41
11) Tert butyl alcohol	4.68	59	1474	3.642 ug/l #	72
15) Acrylonitrile	4.96	53	362	0.320 ug/l #	45
16) Acetone	3.78	43	666	Below Cal #	41
17) Carbon Disulfide	3.97	76	1492	0.260 ug/l #	49
18) Methyl Acetate	4.28	43	10279	3.731 ug/l #	73
20) Methylene Chloride	4.48	84	558	Below Cal #	88
25) 2-Butanone	6.80	43	2634	1.826 ug/l	94
29) Tetrahydrofuran	7.16	42	318	0.334 ug/l #	30
31) Cyclohexane	7.62	56	5002	1.166 ug/l #	23
36) 1,1-Dichloropropene	7.62	75	17622	4.675 ug/l #	42
38) Carbon Tetrachloride	7.62	117	22813	6.274 ug/l #	16
39) Methylcyclohexane	9.04	83	4390	0.945 ug/l	97
49) 1,4-Dioxane	9.17	88	184	4.833 ug/l #	42
51) 4-Methyl-2-Pentanone	9.96	43	803	0.261 ug/l	97
52) Toluene	10.12	92	8698	1.146 ug/l	94
55) 1,1,2-Trichloroethane	10.50	97	5069	1.676 ug/l #	21
56) Ethyl methacrylate	10.41	69	1306	0.309 ug/l #	21
67) Ethyl Benzene	11.48	91	50980	3.441 ug/l	96
68) m/p-Xylenes	11.59	106	102035	17.369 ug/l	99
69) o-Xylene	11.92	106	67079	12.022 ug/l	97
70) Styrene	11.92	104	4780	0.517 ug/l #	1
71) Bromoform	12.38	173	1524	0.620 ug/l #	1
73) Isopropylbenzene	12.22	105	38981	2.240 ug/l	98
74) N-amyl acetate	12.02	43	15498	2.827 ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.53	83	7005	1.436 ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	4778	1.102 ug/l #	100
78) n-propylbenzene	12.57	91	157902	8.126 ug/l	98
79) 2-Chlorotoluene	12.63	91	70083	6.049 ug/l #	39
80) 1,3,5-Trimethylbenzene	12.71	105	341132	23.449 ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	97335	57.401 ug/l #	15
82) 4-Chlorotoluene	12.71	91	31008	2.544 ug/l #	44
83) tert-Butylbenzene	13.01	119	162744	12.661 ug/l #	66

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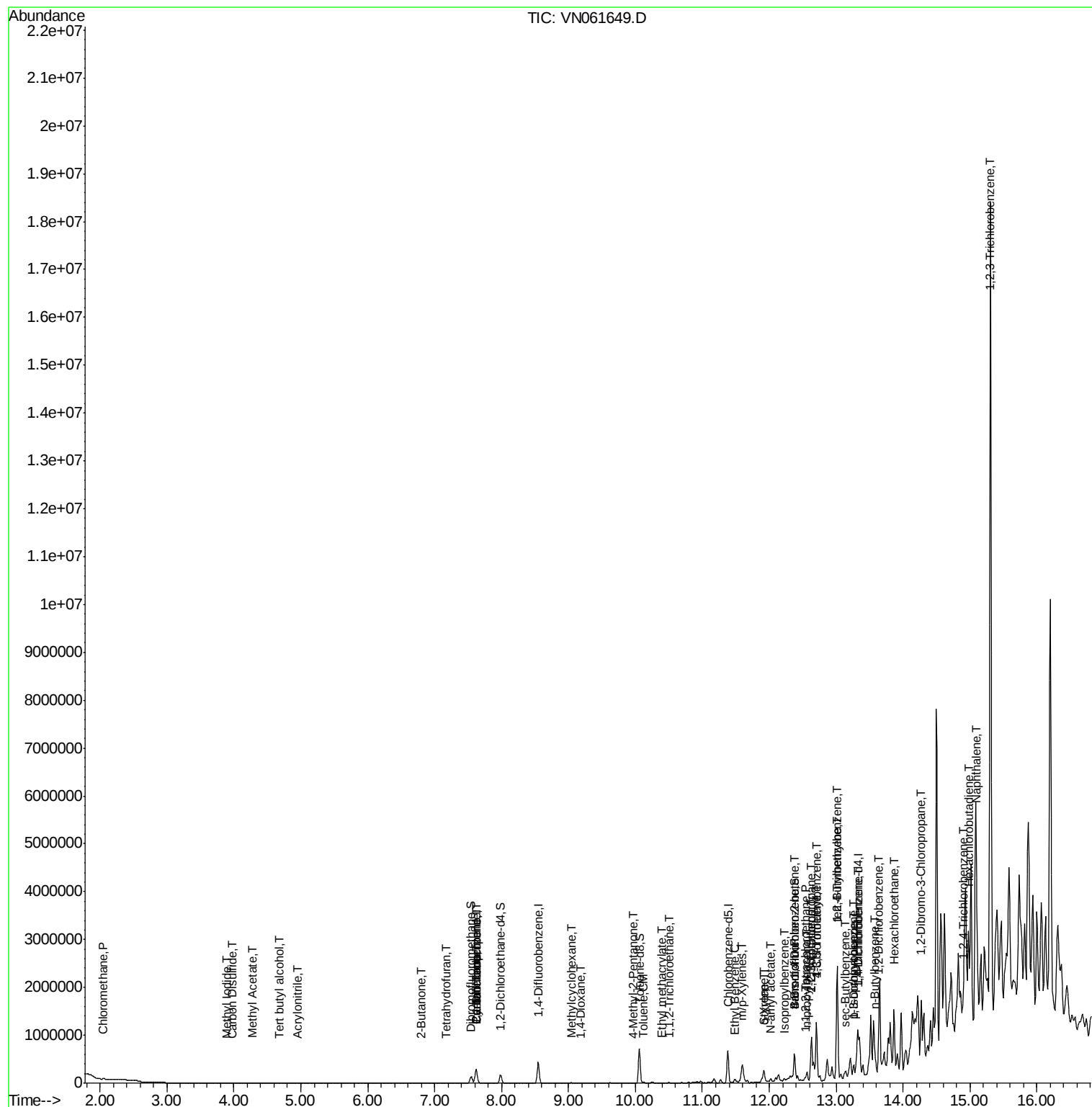
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.01	105	1343441	92.957	ug/l	99
85) sec-Butylbenzene	13.15	105	71160	4.296	ug/l #	76
86) p-Isopropyltoluene	13.26	119	49872	3.270	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2242	0.285	ug/l #	1
88) 1,4-Dichlorobenzene	13.34	146	2839	0.354	ug/l #	1
89) n-Butylbenzene	13.59	91	145713	11.405	ug/l #	72
90) Hexachloroethane	13.87	117	54801	32.487	ug/l #	13
91) 1,2-Dichlorobenzene	13.63	146	2064	0.275	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2396	2.409	ug/l #	24
93) 1,2,4-Trichlorobenzene	14.89	180	5742	1.306	ug/l #	1
94) Hexachlorobutadiene	14.98	225	3001	1.600	ug/l	98
95) Naphthalene	15.10	128	528452	39.484	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	11111	2.570	ug/l #	1

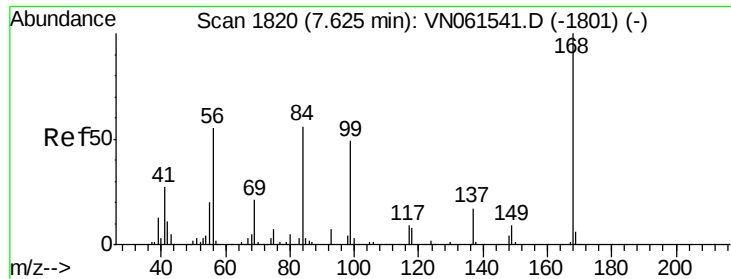
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

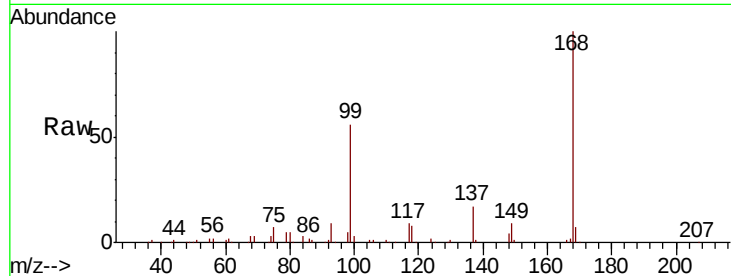
ClientSampled :

Tot Ion:168 Resp: 255407

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061541.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061541.D (-1801) (-)

7.62

100000

80000

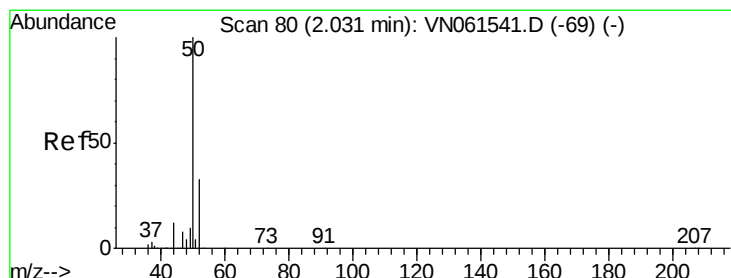
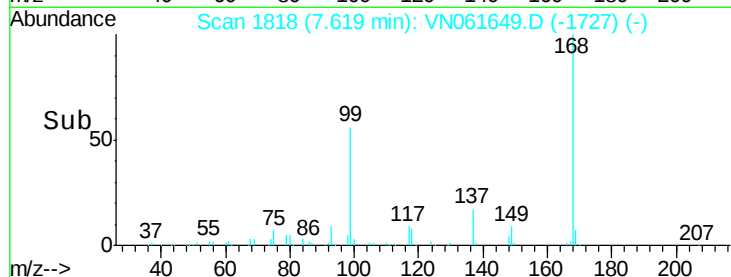
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.395 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061649.D

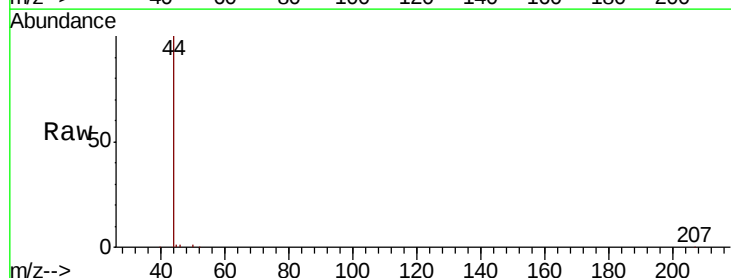
Acq: 4 Jun 2020 13:30

Tgt Ion: 50 Resp: 1231

Ion Ratio Lower Upper

50 100

52 34.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061541.D (-69) (-)

Ion 51.90 (51.60 to 52.60): VN061541.D (-69) (-)

2.03

800

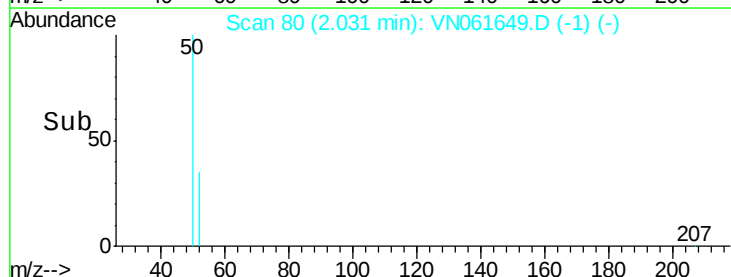
600

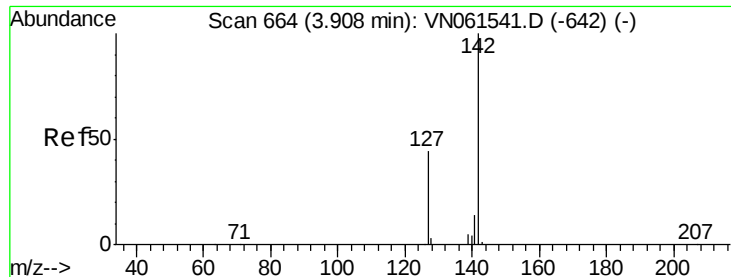
400

200

0

Time-->





#10

Methvl Iodide

Concen: 0.932 ug/l

RT: 3.88 min Scan# 655

Delta R.T. -0.03 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :
MSVOA_N
ClientSampled :

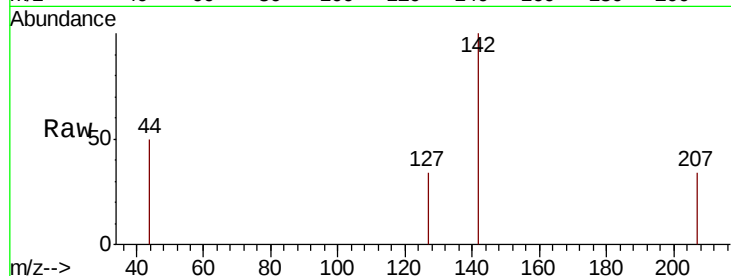
Tot Ion:142 Resp: 3159

Ion Ratio Lower Upper

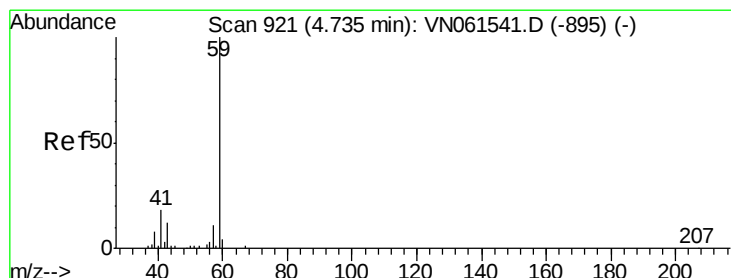
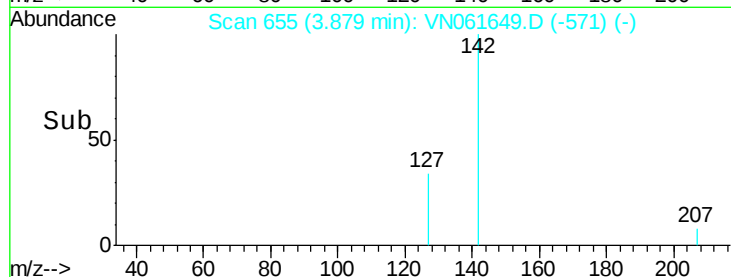
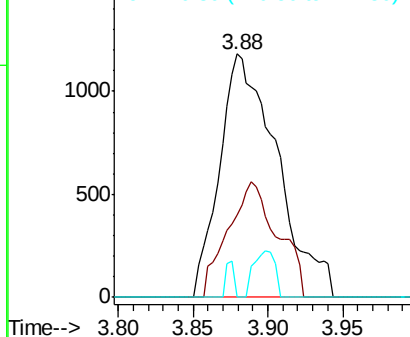
142 100

127 0.0 35.5 53.3#

141 2.1 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.642 ug/l

RT: 4.68 min Scan# 904

Delta R.T. -0.05 min

Lab File: VN061649.D

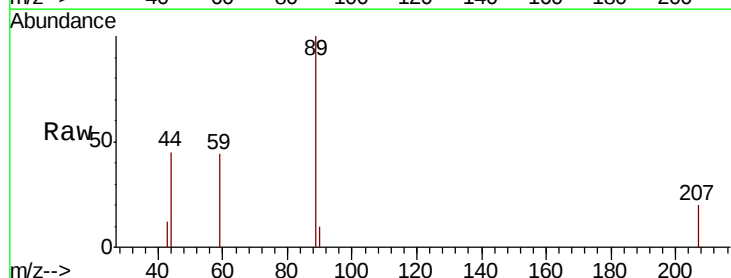
Acq: 4 Jun 2020 13:30

Tgt Ion: 59 Resp: 1474

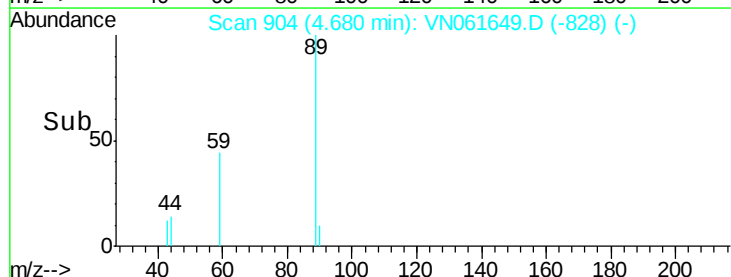
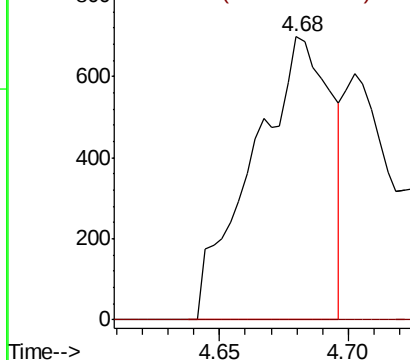
Ion Ratio Lower Upper

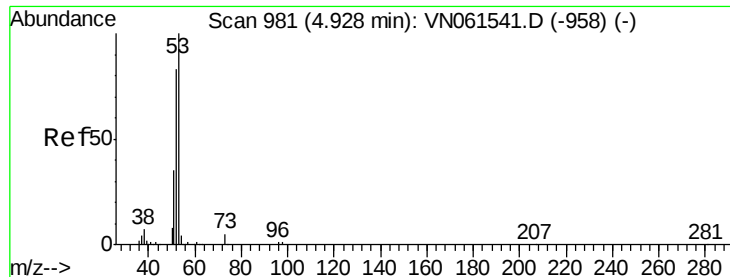
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#15

Acrylonitrile

Concen: 0.320 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.03 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

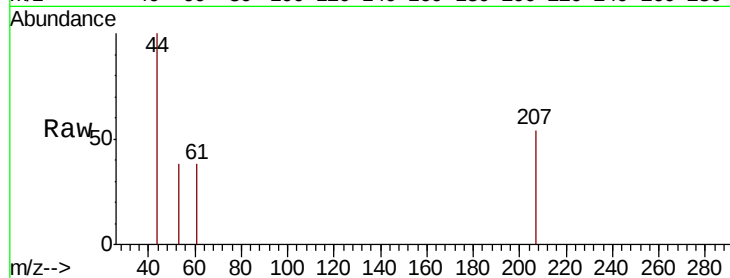
Tot Ion: 53 Resp: 362

Ion Ratio Lower Upper

53 100

52 35.4 65.4 98.2#

51 0.0 29.0 43.6#

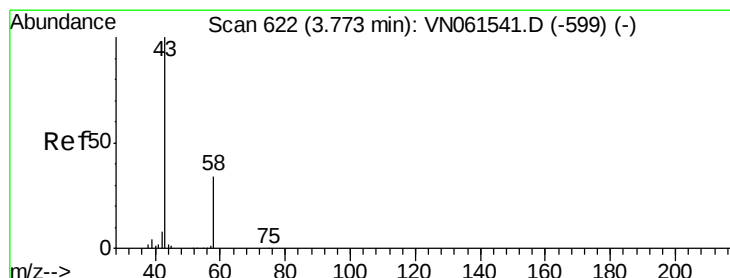
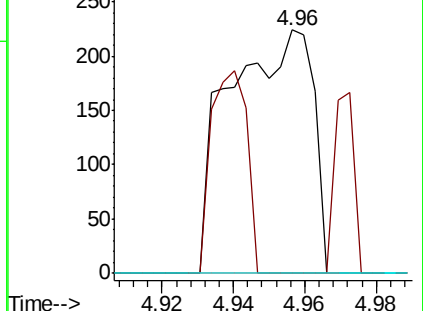
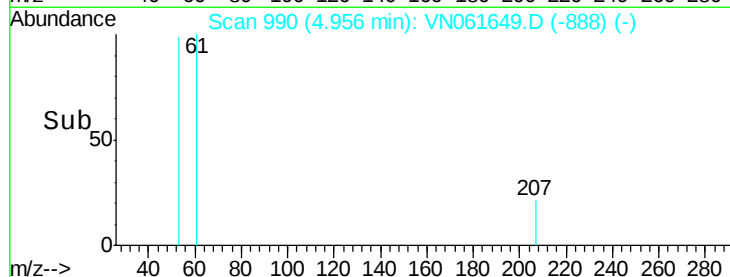


Abundance Ion 53.00 (52.70 to 53.70): VN061541.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061541.D (-958) (-)

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061649.D

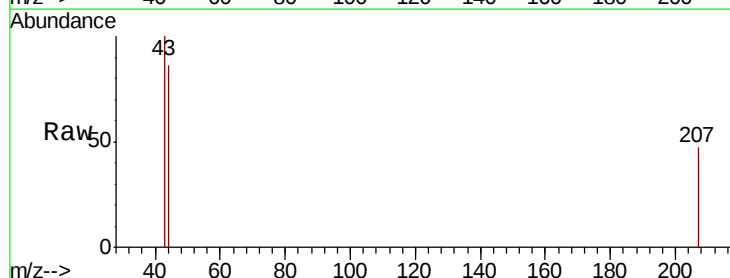
Acq: 4 Jun 2020 13:30

Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

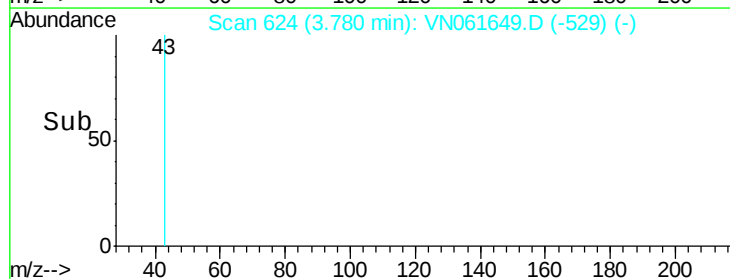
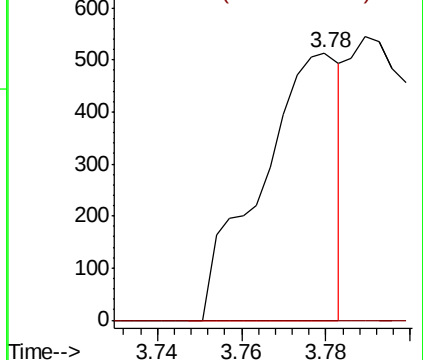
43 100

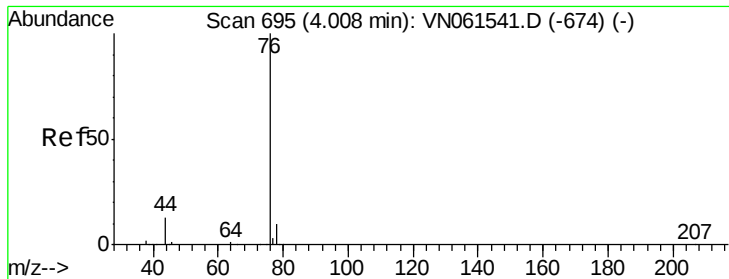
58 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-599) (-)

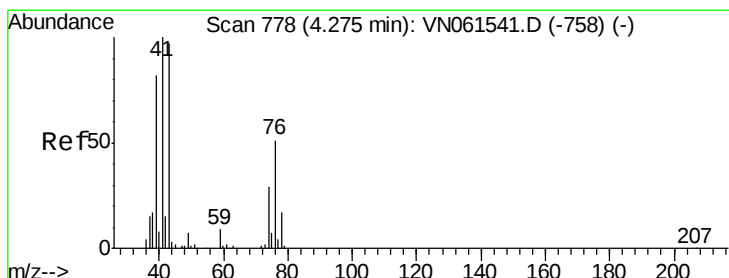
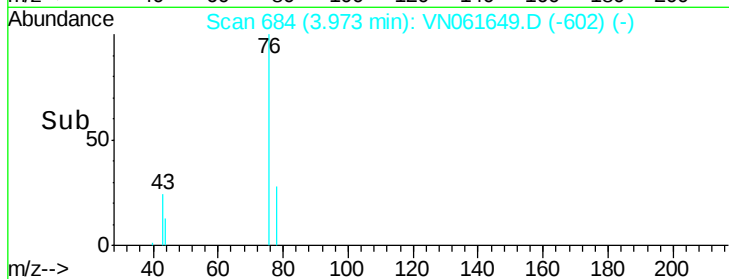
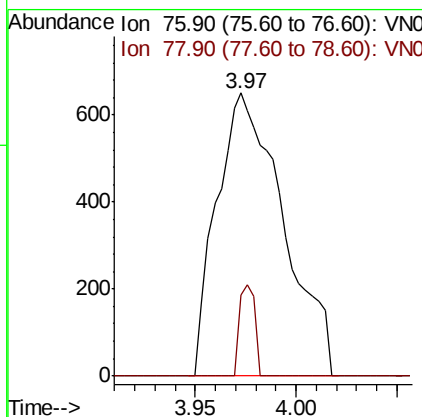
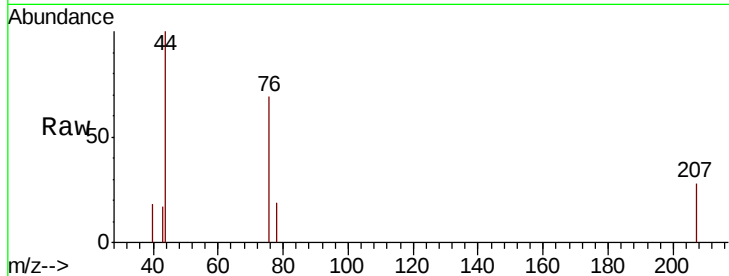




#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 3.97 min Scan# 684
Delta R.T. -0.04 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

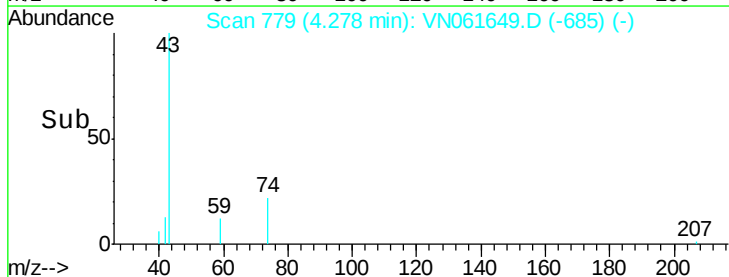
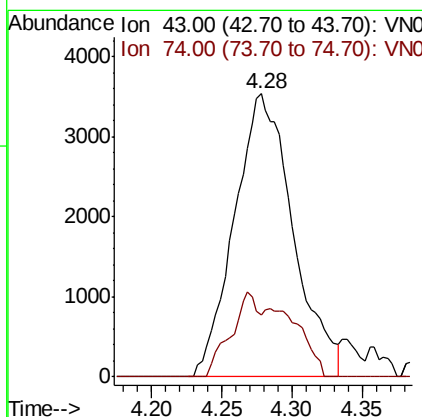
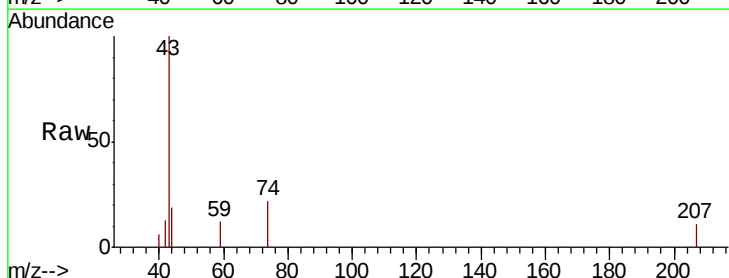
Instrument :
MSVOA_N
ClientSampled :

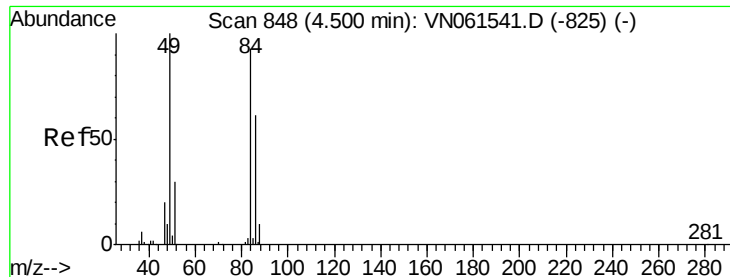
Tot Ion: 76 Resp: 1492
Ion Ratio Lower Upper
76 100
78 28.4 7.8 11.6#



#18
Methyl Acetate
Concen: 3.731 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Tgt Ion: 43 Resp: 10279
Ion Ratio Lower Upper
43 100
74 14.4 23.2 34.8#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.48 min Scan# 842

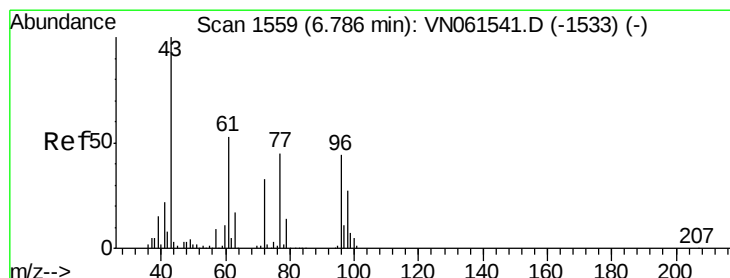
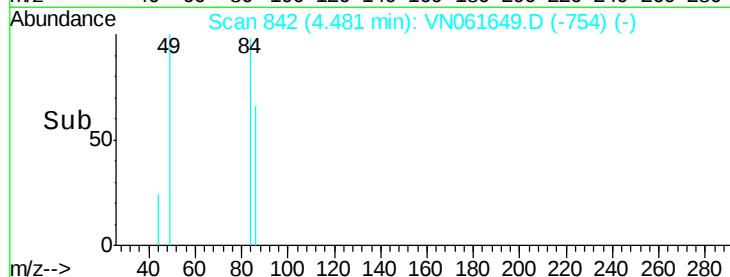
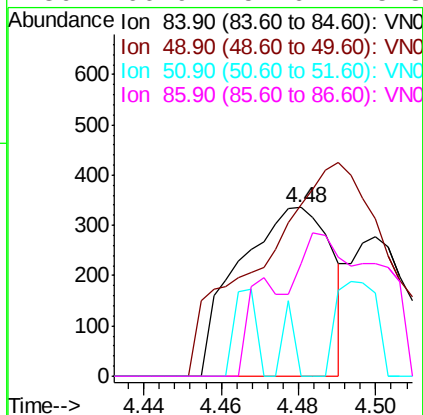
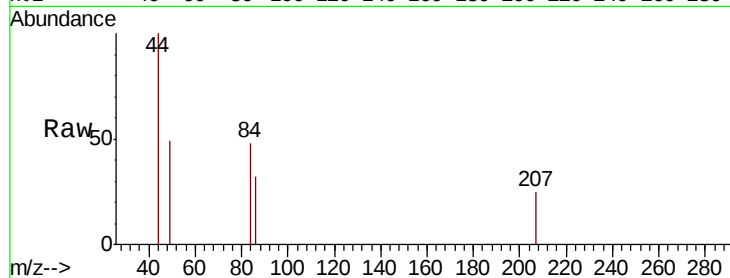
Delta R.T. -0.02 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	558
Ion	Ratio	Lower	Upper
84	100		
49	101.8	85.8	128.8
51	0.0	26.2	39.2#
86	66.9	52.6	78.8



#25

2-Butanone

Concen: 1.826 ug/l

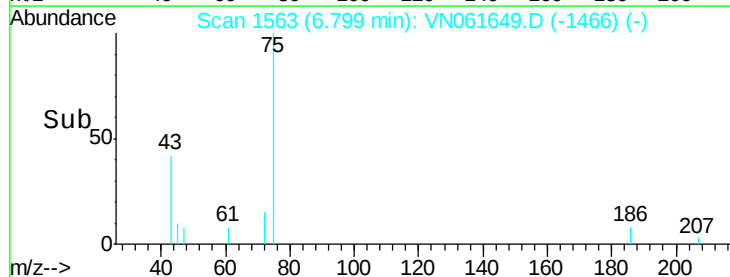
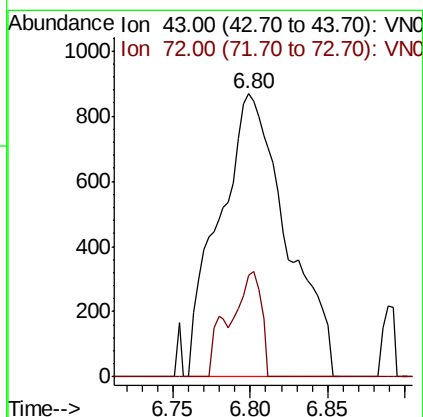
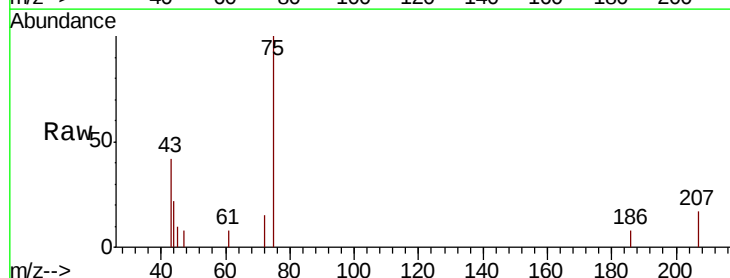
RT: 6.80 min Scan# 1563

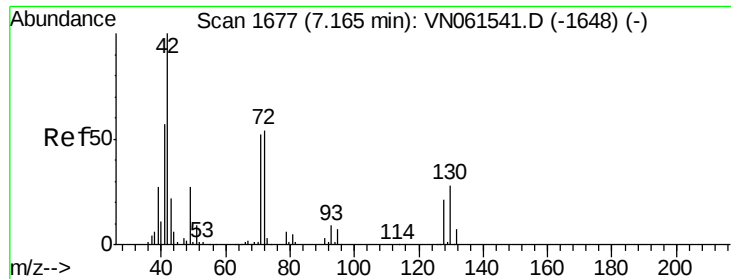
Delta R.T. 0.01 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Tgt Ion:	43	Resp:	2634
Ion	Ratio	Lower	Upper
43	100		
72	35.9	26.0	39.0

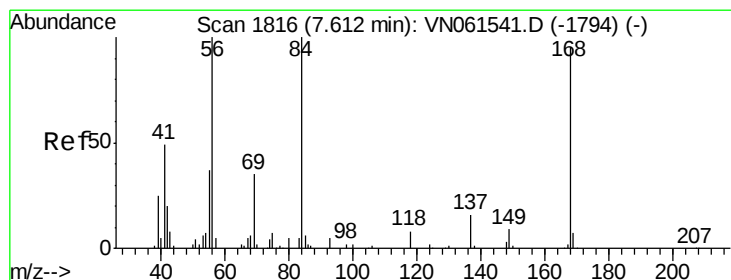
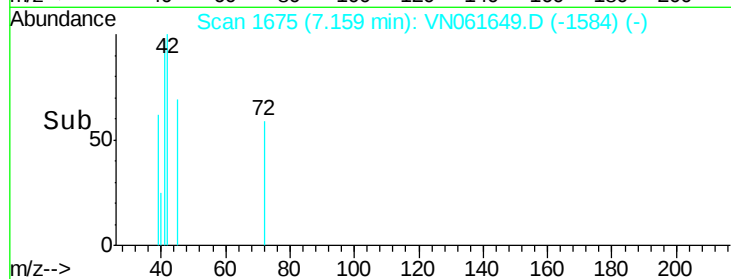
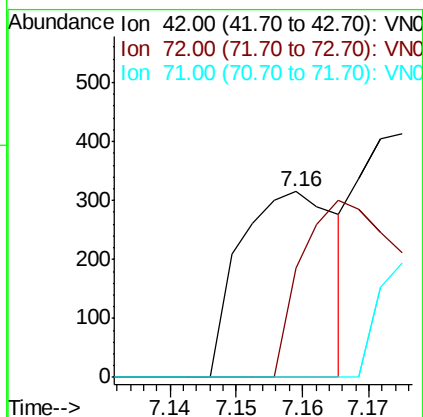
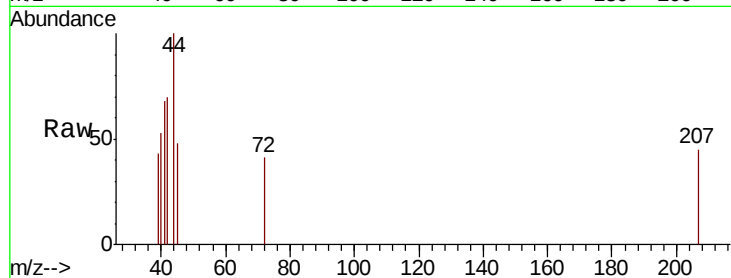




#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

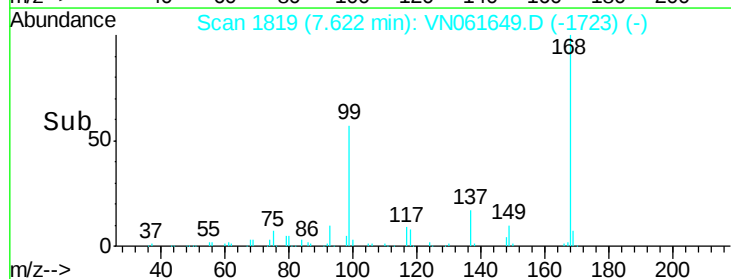
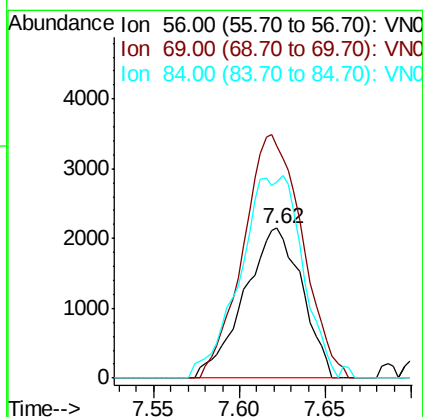
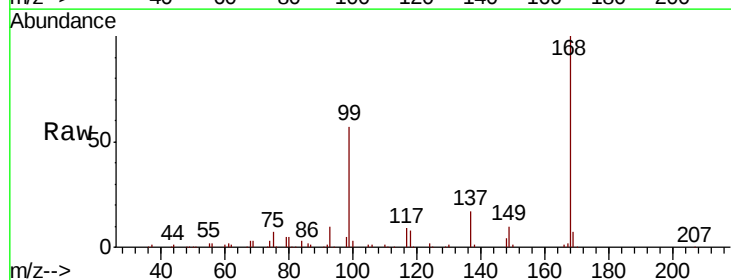
Instrument :
MSVOA_N
ClientSampled :

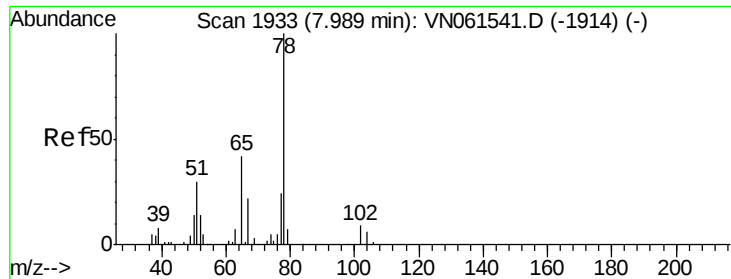
Tot Ion: 42 Resp: 318
Ion Ratio Lower Upper
42 100
72 102.8 43.6 65.4#
71 0.0 41.2 61.8#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Tgt Ion: 56 Resp: 5002
Ion Ratio Lower Upper
56 100
69 154.8 27.8 41.8#
84 131.0 79.9 119.9#

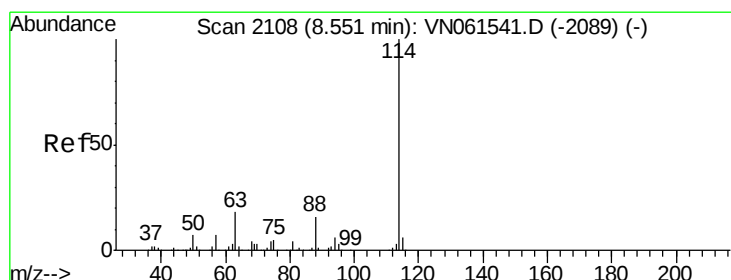
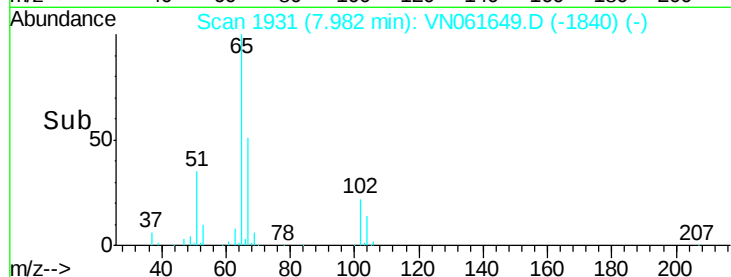
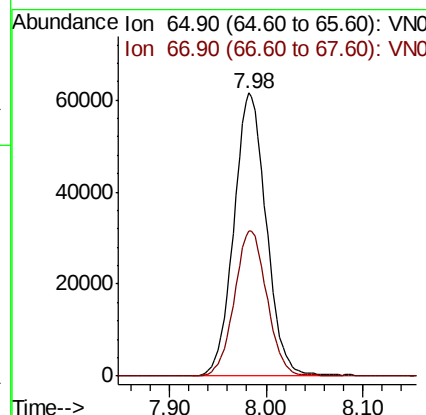
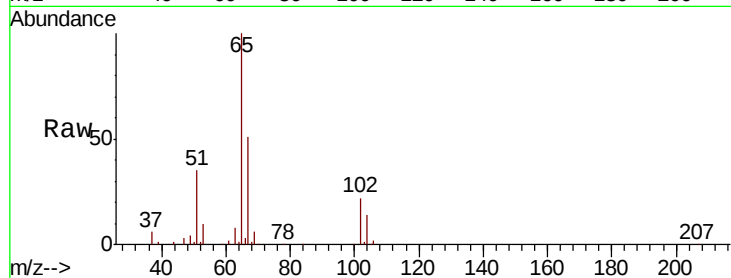




#33
 1,2-Dichloroethane-d4
 Concen: 46.989 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

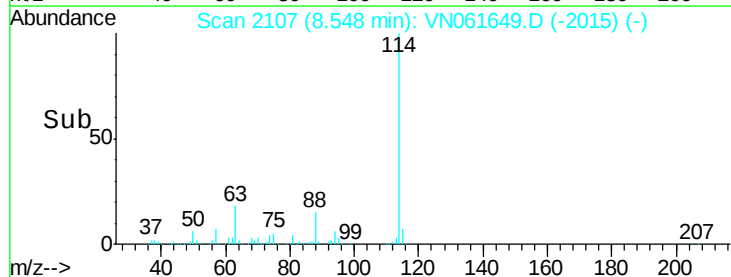
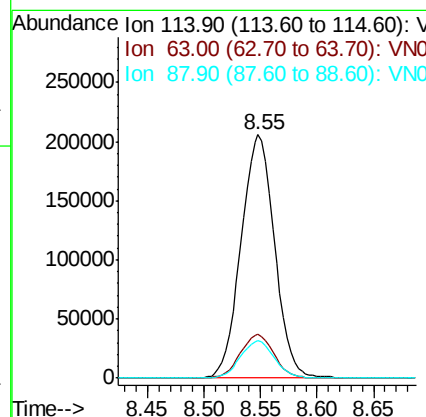
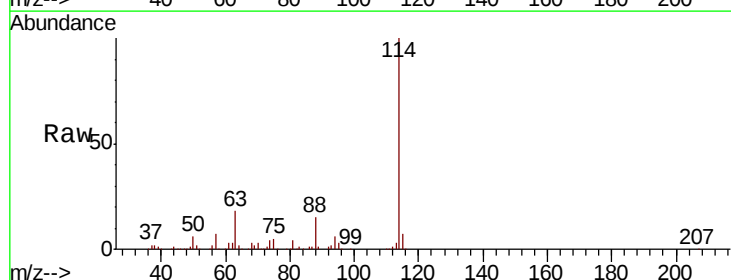
Instrument :
 MSVOA_N
 ClientSampleId :

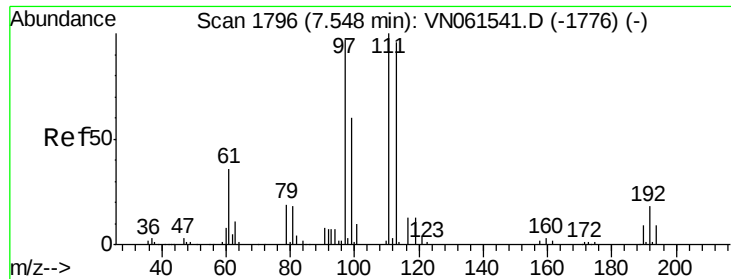
Tot Ion: 65 Resp: 142989
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion: 114 Resp: 425838
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.8
 88 15.2 0.0 31.0

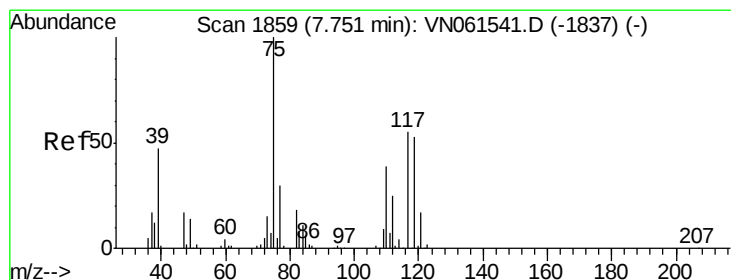
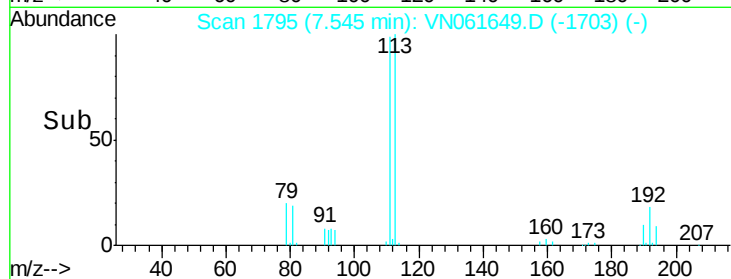
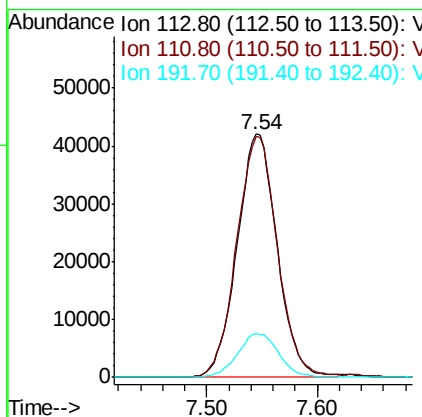
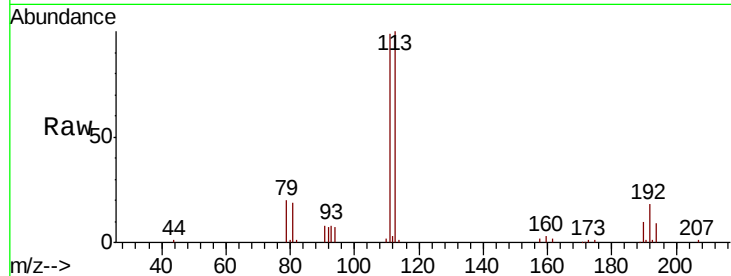




#35
 Dibromofluoromethane
 Concen: 48.791 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

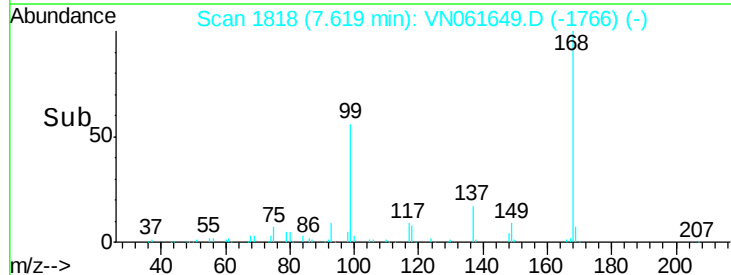
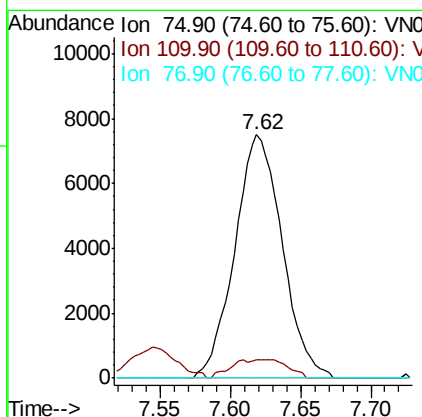
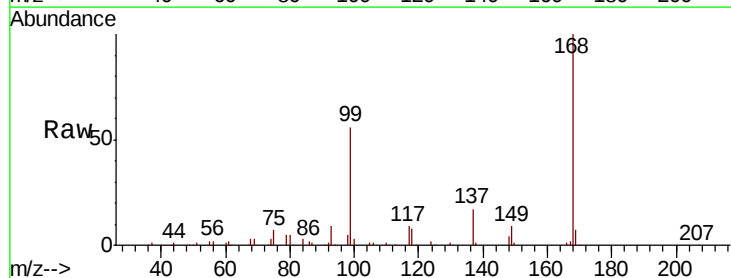
Instrument :
 MSVOA_N
 ClientSampleId :

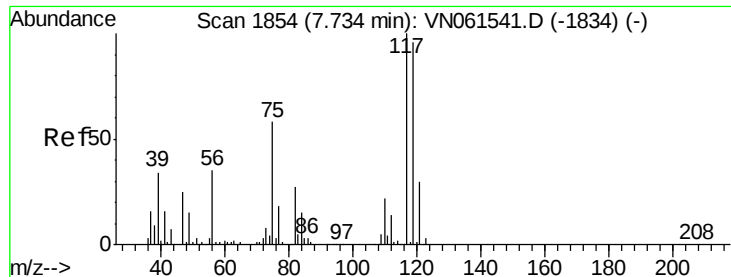
Tot Ion:113 Resp: 105399
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.4 125.0
 192 18.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion: 75 Resp: 17622
 Ion Ratio Lower Upper
 75 100
 110 3.1 19.5 58.5#
 77 0.0 24.7 37.1#

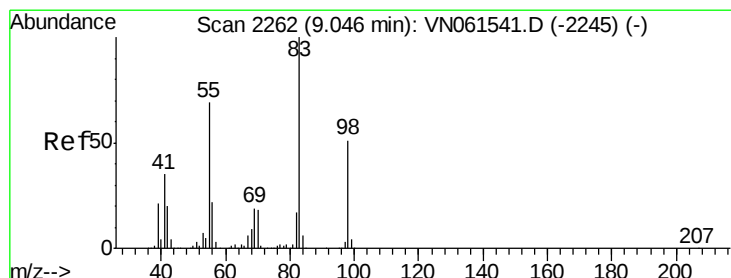
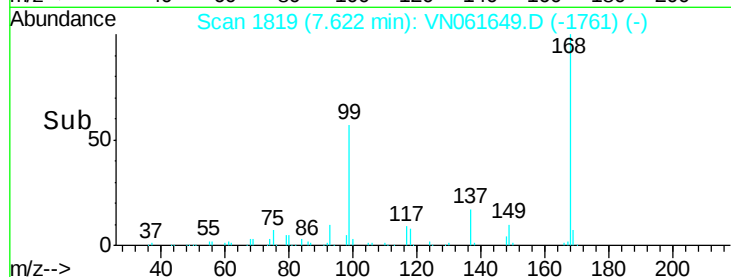
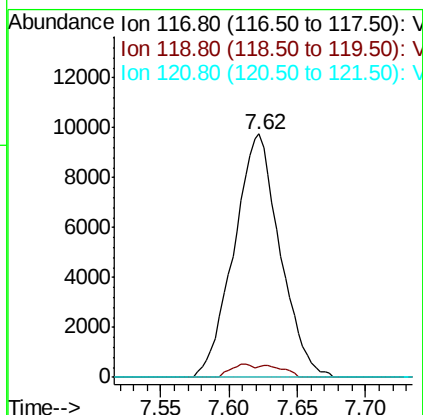
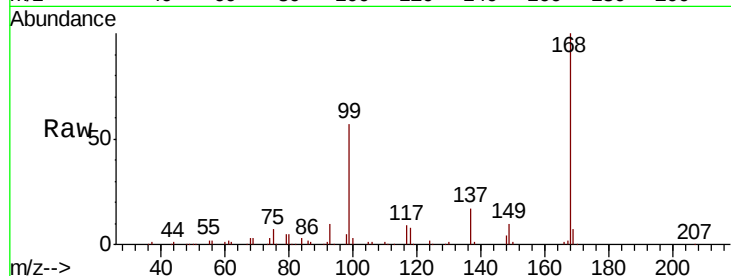




#38
Carbon Tetrachloride
Concen: 6.274 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

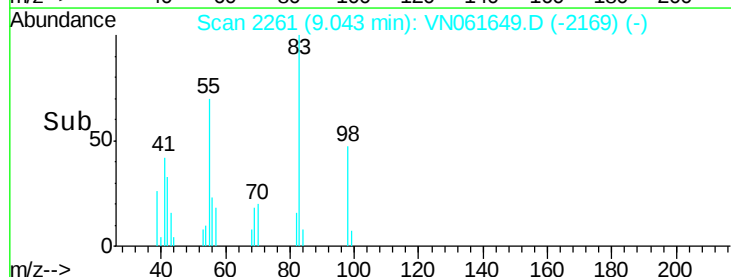
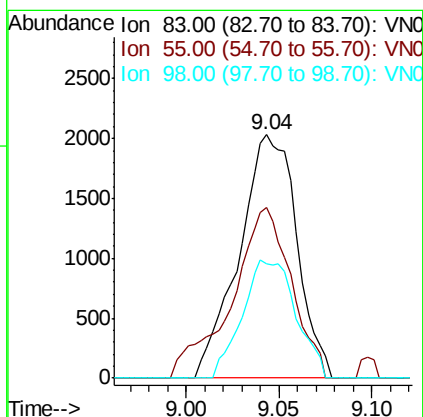
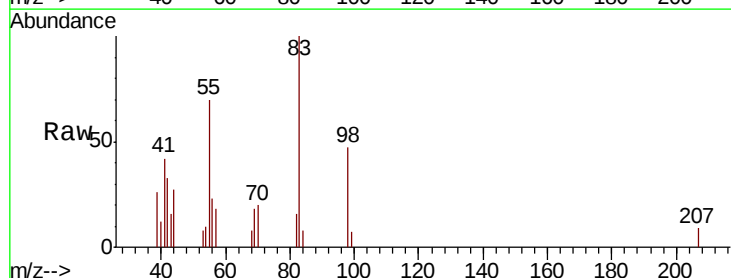
Instrument :
MSVOA_N
ClientSampleId :

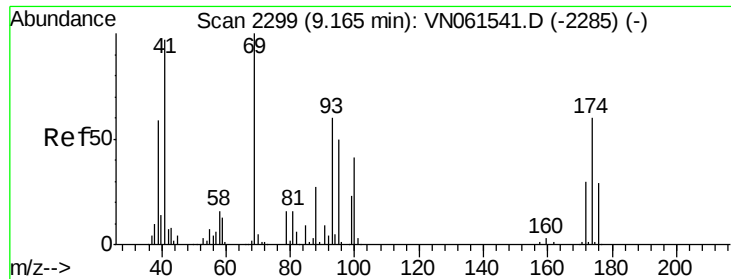
Tot Ion:117 Resp: 22813
Ion Ratio Lower Upper
117 100
119 4.4 76.5 114.7#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.945 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Tgt Ion: 83 Resp: 4390
Ion Ratio Lower Upper
83 100
55 70.0 54.9 82.3
98 47.2 41.0 61.4

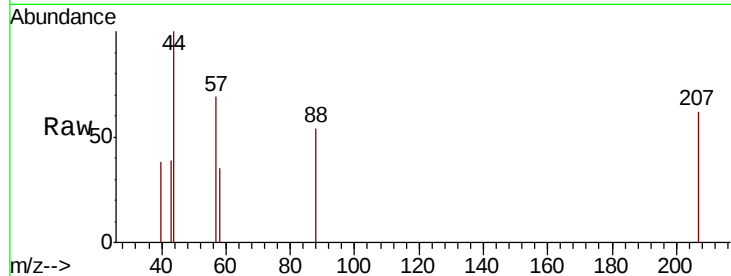




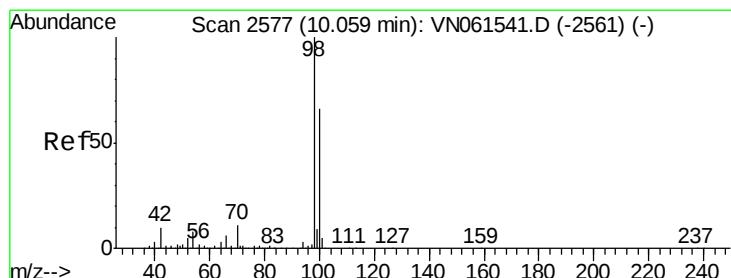
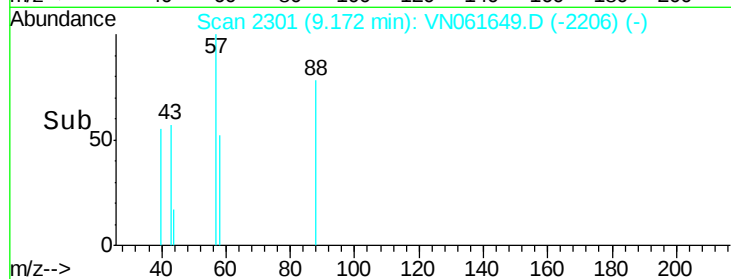
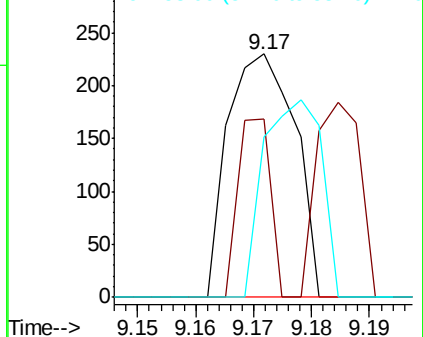
#49
 1,4-Dioxane
 Concen: 4.833 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 184
 Ion Ratio Lower Upper
 88 100
 43 35.3 23.1 34.7#
 58 0.0 48.3 72.5#

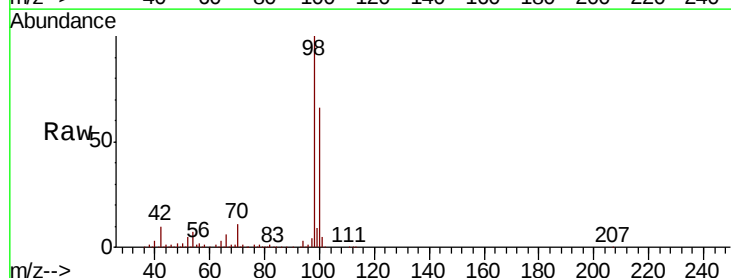


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

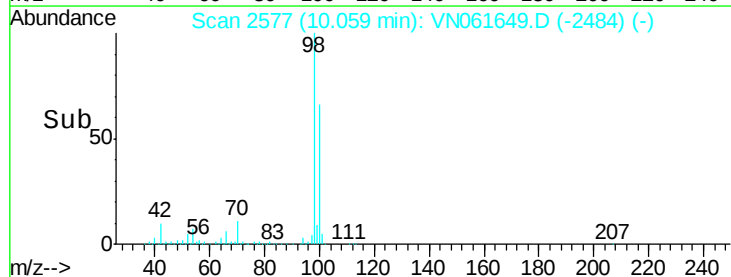
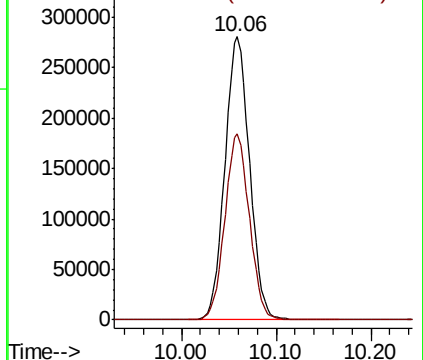


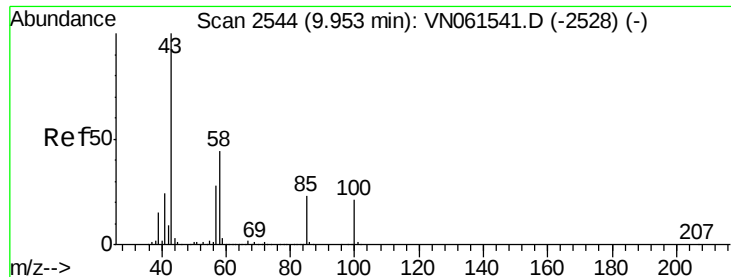
#50
 Toluene-d8
 Concen: 50.917 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion: 98 Resp: 509709
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.261 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

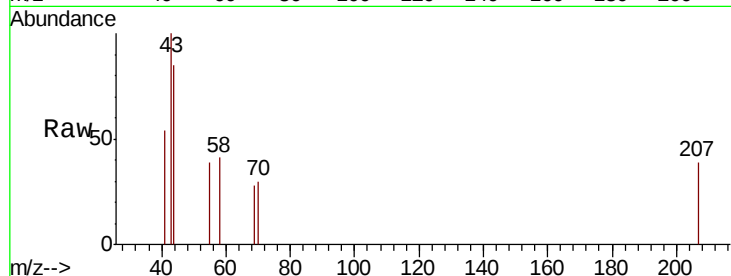
ClientSampled :

Tot Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 45.6 35.0 52.6

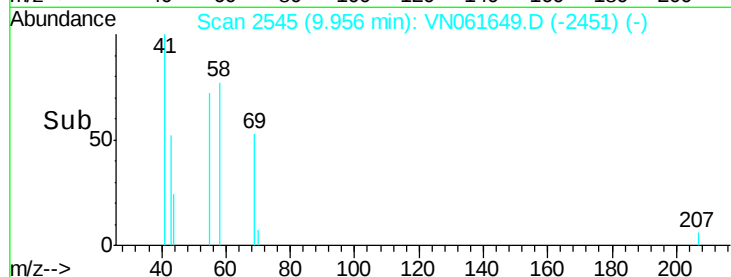


Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

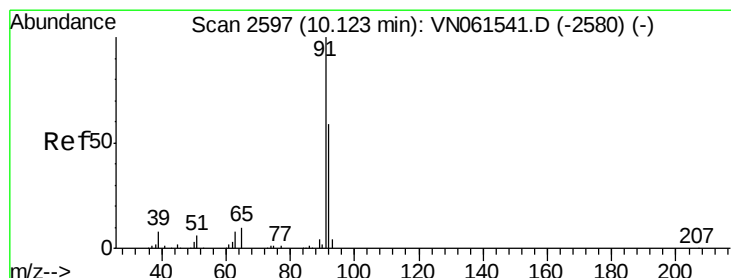
Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

9.96

Time-->



Time-->



#52

Toluene

Concen: 1.146 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061649.D

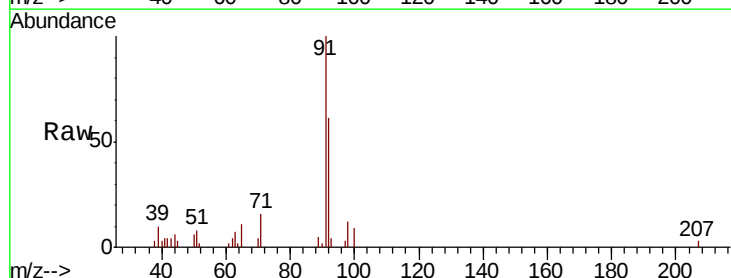
Acq: 4 Jun 2020 13:30

Tgt Ion: 92 Resp: 8698

Ion Ratio Lower Upper

92 100

91 162.8 136.4 204.6

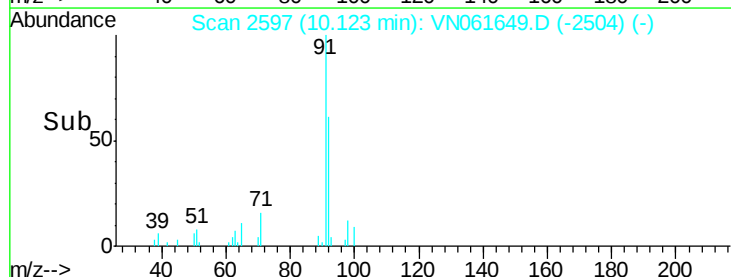


Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

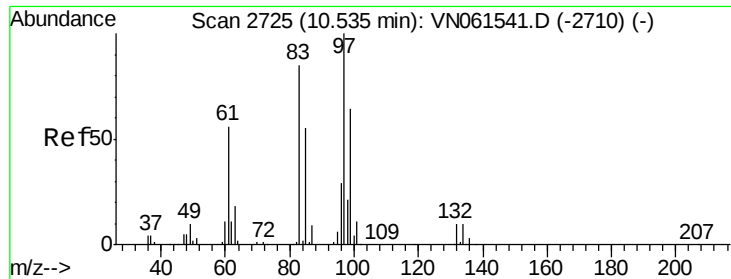
Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)

10.12

Time-->



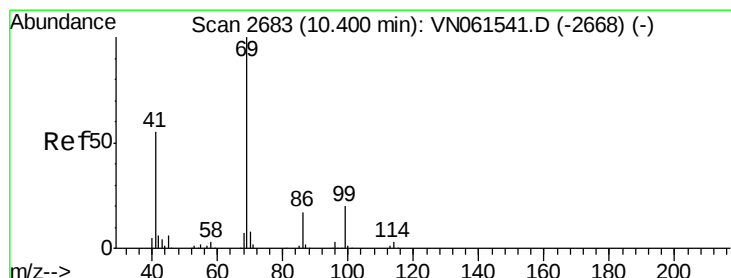
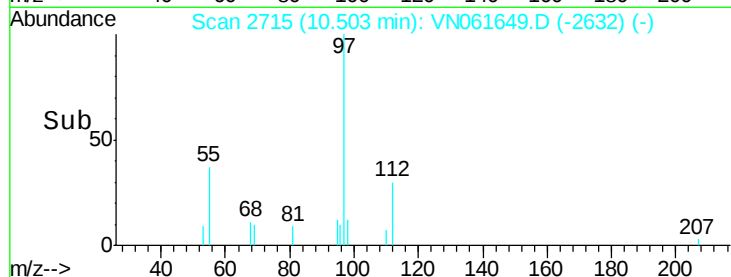
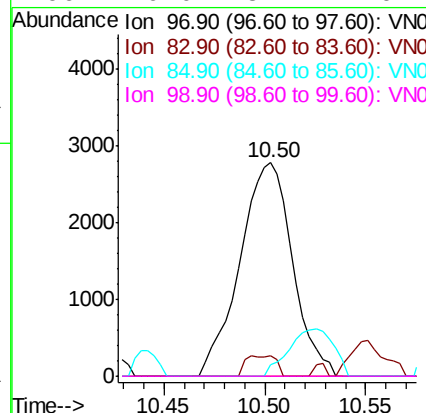
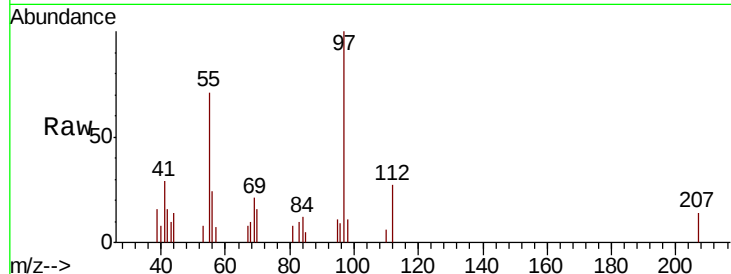
Time-->



#55
 1,1,2-Trichloroethane
 Concen: 1.676 ug/l
 RT: 10.50 min Scan# 2715
 Delta R.T. -0.03 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

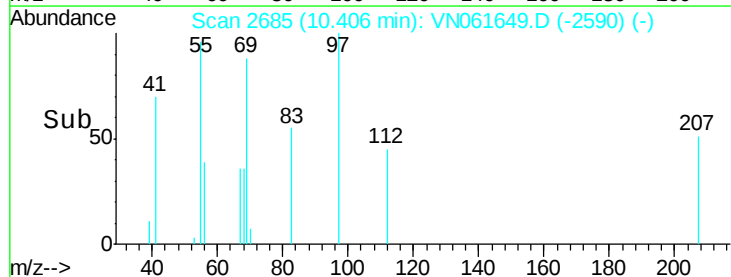
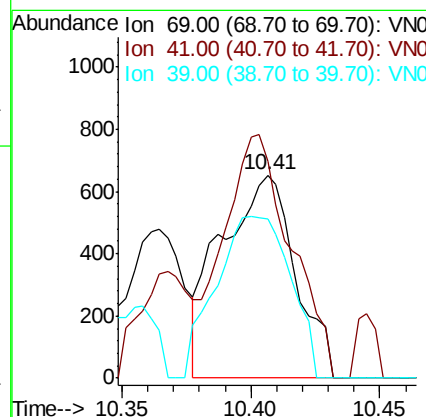
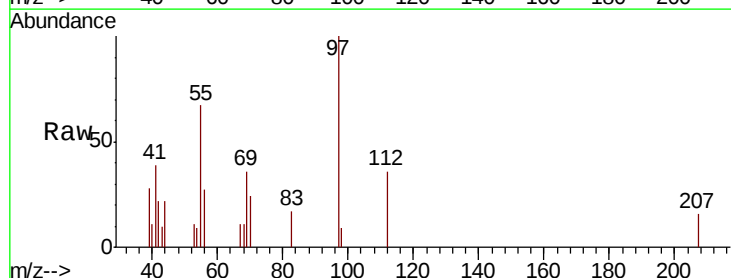
Instrument :
 MSVOA_N
 ClientSampleId :

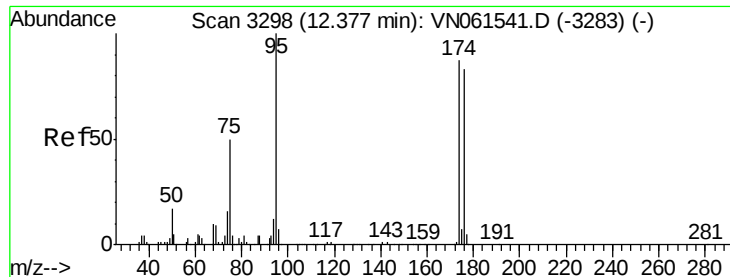
Tot Ion: 97 Resp: 5069
 Ion Ratio Lower Upper
 97 100
 83 9.5 68.1 102.1#
 85 5.4 44.1 66.1#
 99 0.0 51.1 76.7#



#56
 Ethyl methacrylate
 Concen: 0.309 ug/l
 RT: 10.41 min Scan# 2685
 Delta R.T. 0.01 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion: 69 Resp: 1306
 Ion Ratio Lower Upper
 69 100
 41 110.1 43.5 65.3#
 39 79.9 27.0 40.6#





#62

4-Bromofluorobenzene

Concen: 54.912 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

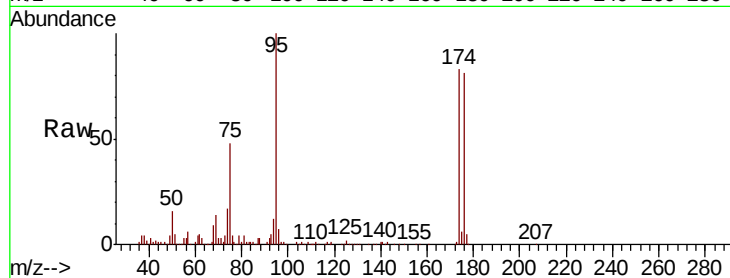
Tot Ion: 95 Resp: 200551

Ion Ratio Lower Upper

95 100

174 82.9 0.0 172.8

176 81.7 0.0 164.8

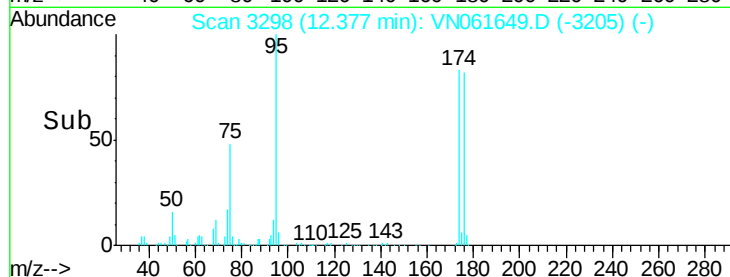


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

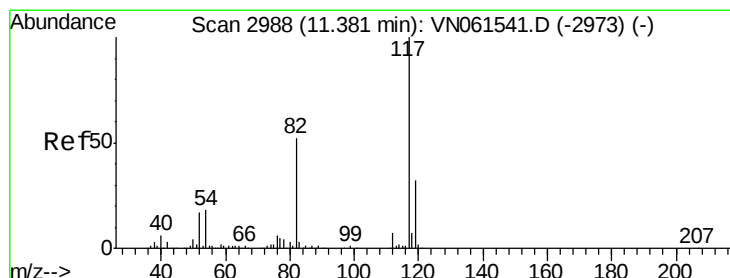
Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)

Time--> 12.30 12.35 12.40



Time--> 12.30 12.35 12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

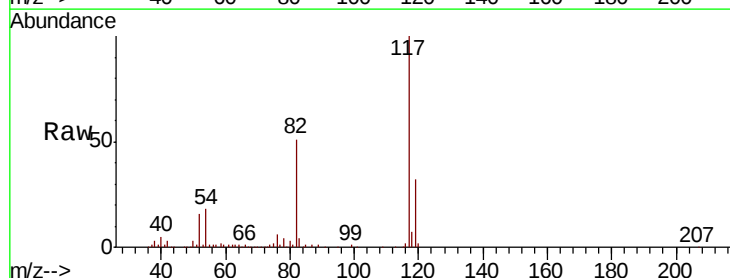
Tgt Ion: 117 Resp: 412381

Ion Ratio Lower Upper

117 100

82 50.8 41.5 62.3

119 31.7 25.6 38.4

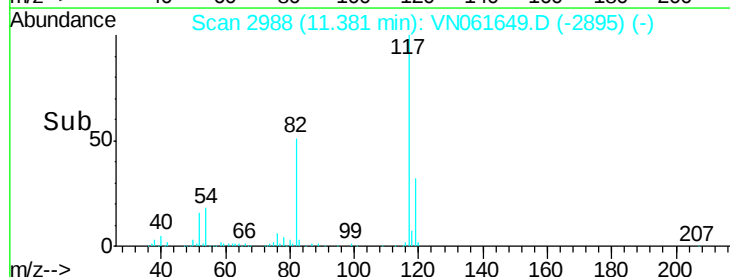


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

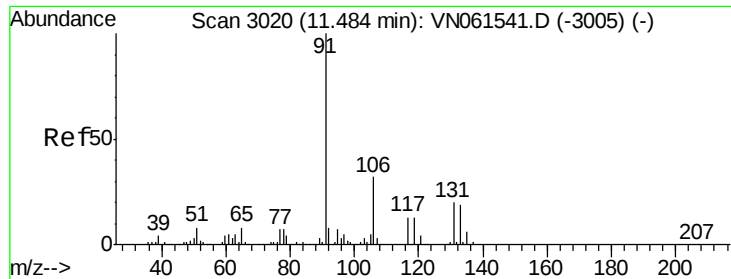
Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)

Time--> 11.30 11.40 11.50



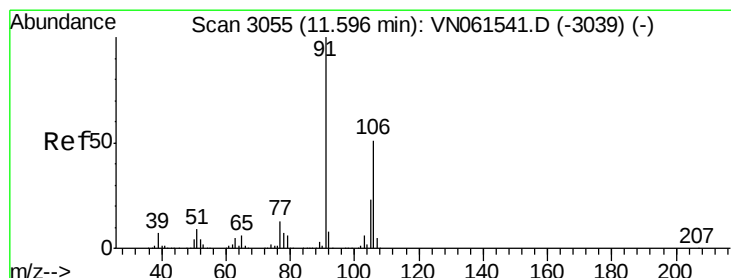
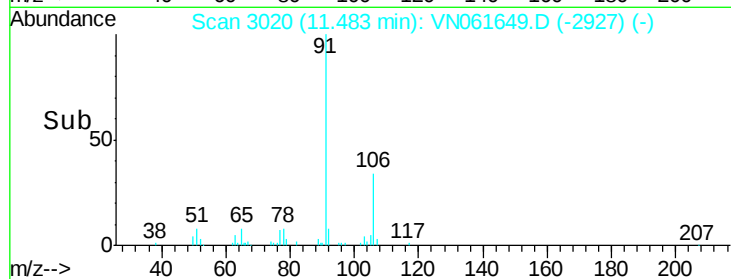
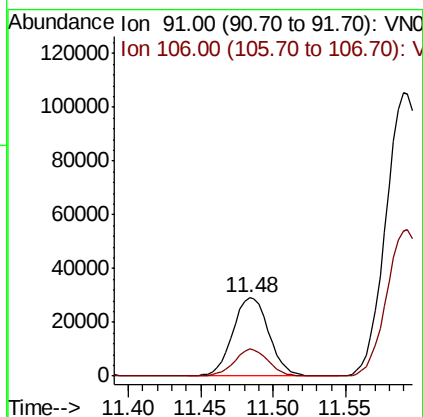
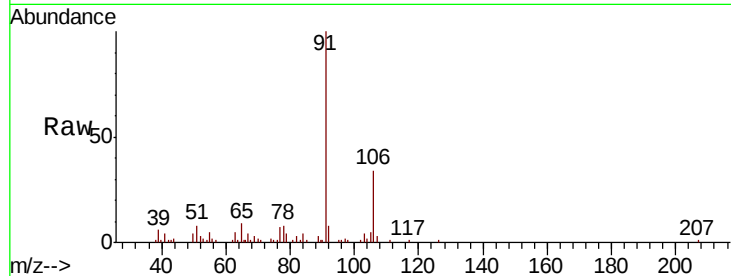
Time--> 11.30 11.40 11.50



#67
Ethyl Benzene
Concen: 3.441 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

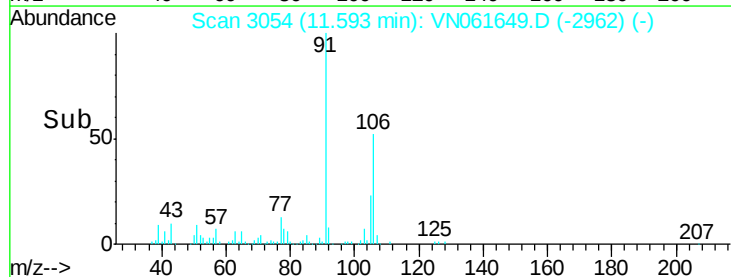
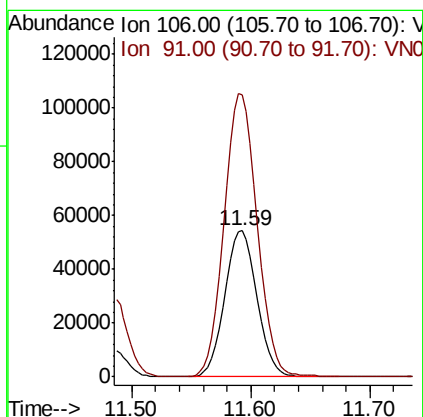
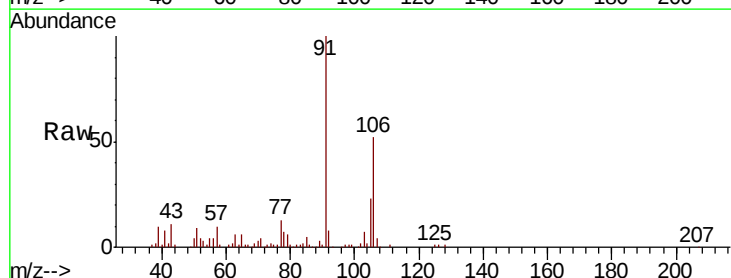
Instrument :
MSVOA_N
ClientSampled :

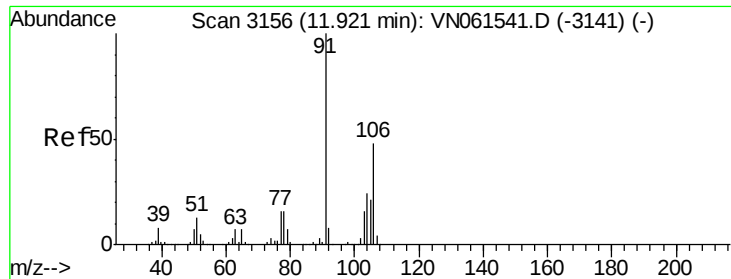
Tot Ion: 91 Resp: 50980
Ion Ratio Lower Upper
91 100
106 34.4 25.6 38.4



#68
m/p-Xylenes
Concen: 17.369 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Tgt Ion: 106 Resp: 102035
Ion Ratio Lower Upper
106 100
91 197.2 156.2 234.4

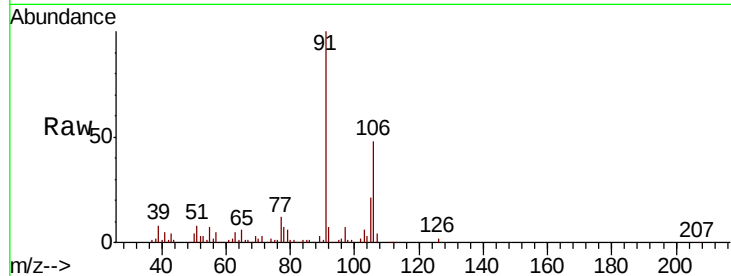




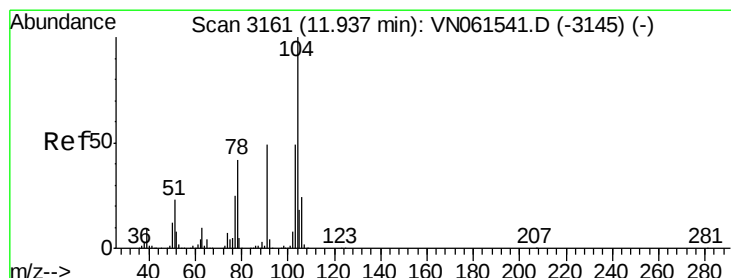
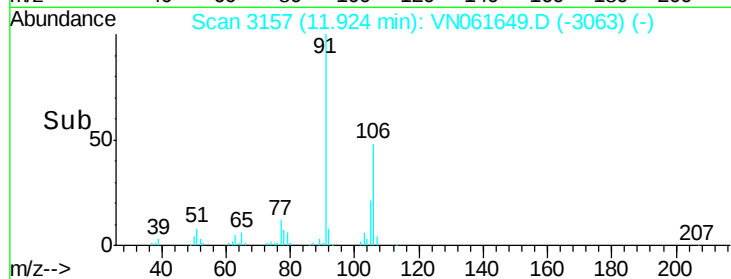
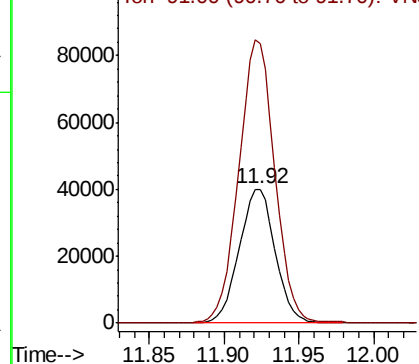
#69
o-Xylene
Concen: 12.022 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 67079
Ion Ratio Lower Upper
106 100
91 211.7 103.3 309.8

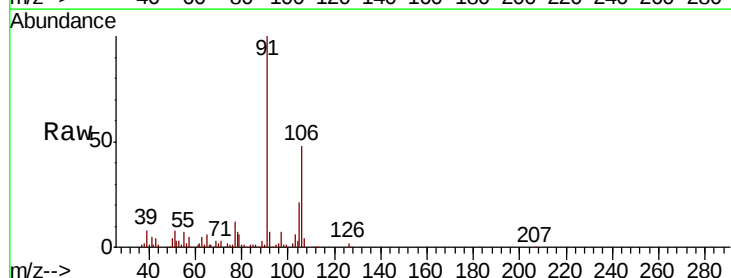


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

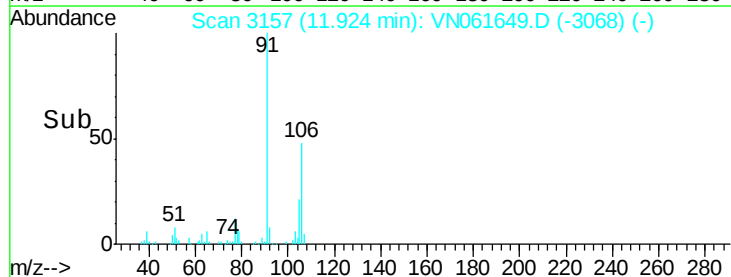
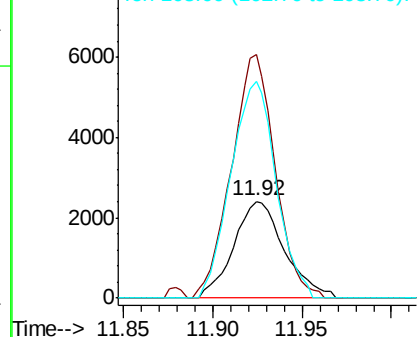


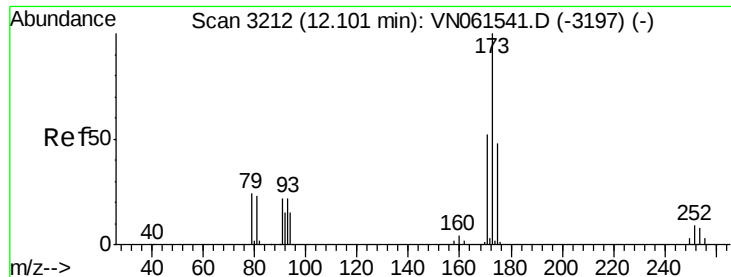
#70
Styrene
Concen: 0.517 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.01 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Tgt Ion:104 Resp: 4780
Ion Ratio Lower Upper
104 100
78 216.2 37.4 56.0#
103 199.4 42.3 63.5#



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





#71

Bromoform

Concen: 0.620 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

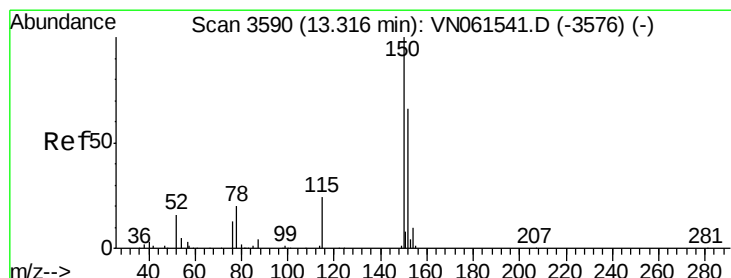
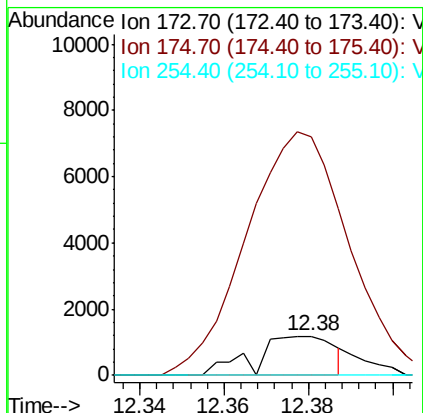
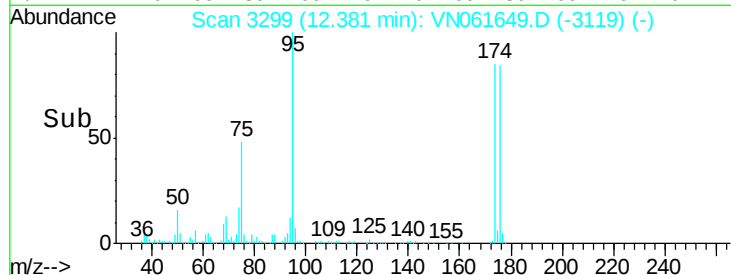
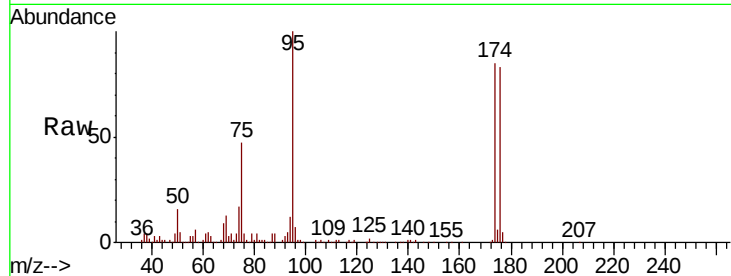
Tot Ion:173 Resp: 1524

Ion Ratio Lower Upper

173 100

175 685.2 24.4 73.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

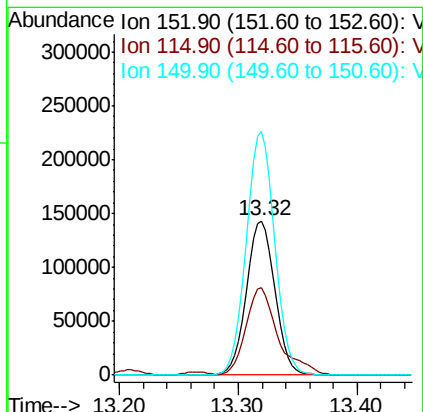
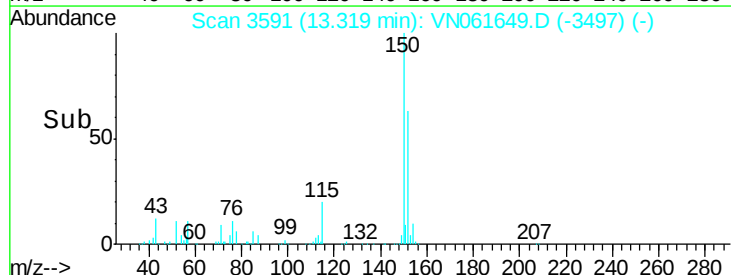
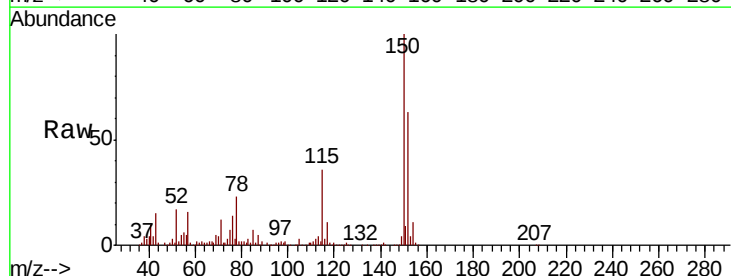
Tgt Ion:152 Resp: 238473

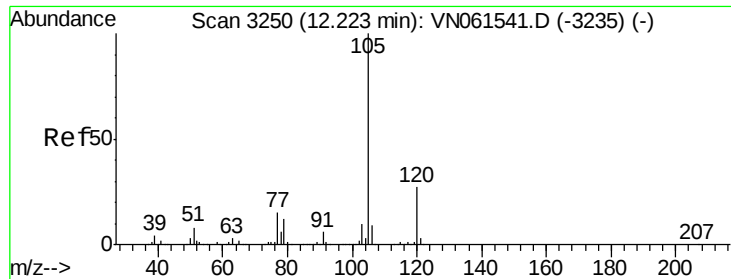
Ion Ratio Lower Upper

152 100

115 63.1 28.0 84.0

150 157.6 0.0 344.0





#73

Isopropylbenzene

Concen: 2.240 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

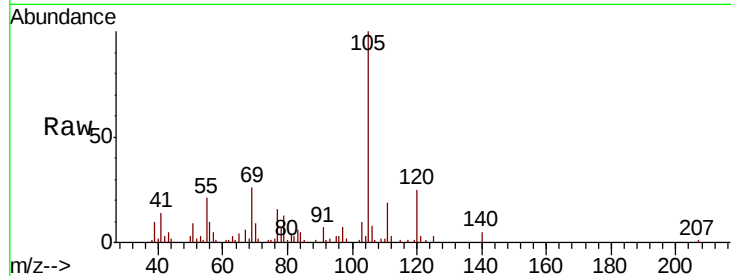
ClientSampleId :

Tot Ion:105 Resp: 38981

Ion Ratio Lower Upper

105 100

120 26.5 13.8 41.3

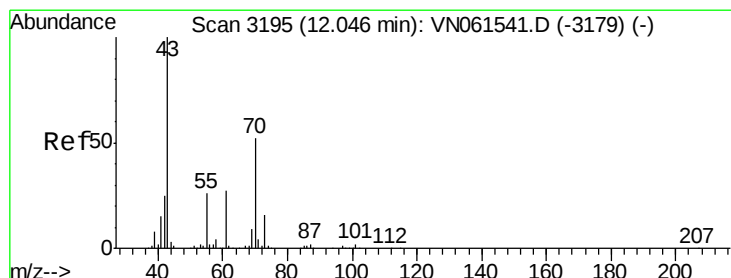
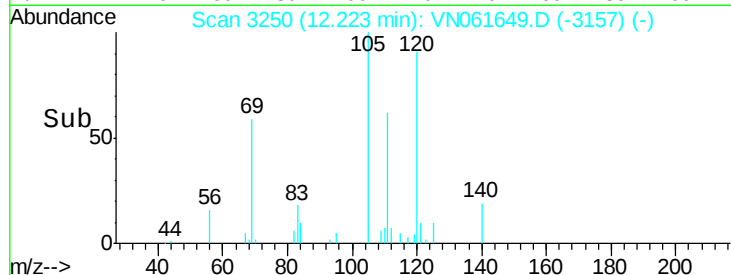


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

Time--> 12.15 12.20 12.25



#74

N-ethyl acetate

Concen: 2.827 ug/l

RT: 12.02 min Scan# 3186

Delta R.T. -0.03 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Tgt Ion: 43 Resp: 15498

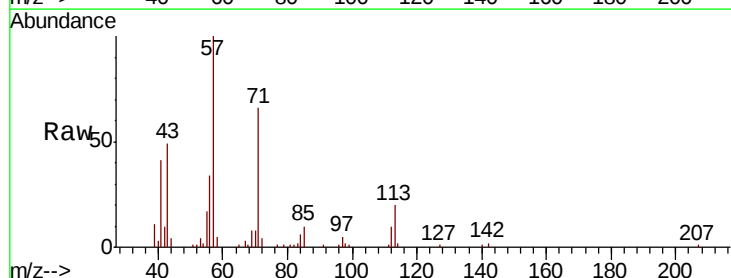
Ion Ratio Lower Upper

43 100

70 9.4 40.5 60.7#

55 11.9 20.6 31.0#

61 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): V

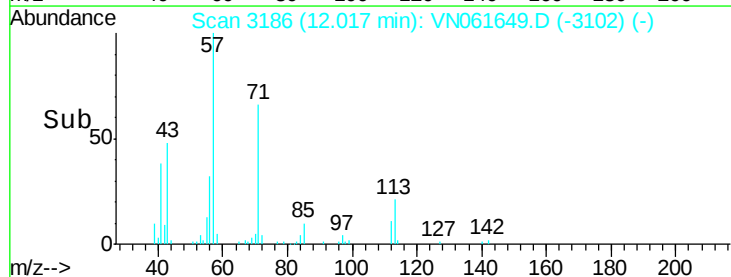
Ion 70.00 (69.70 to 70.70): V

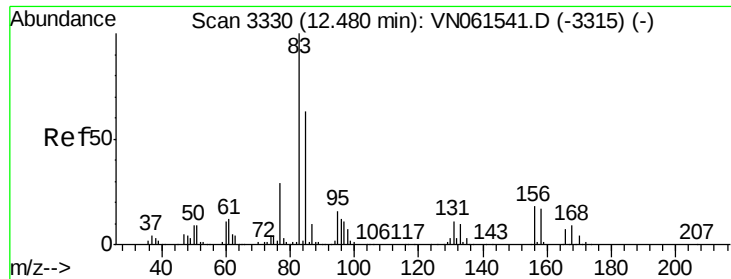
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.02

Time--> 12.00 12.05





#75

1,1,2,2-Tetrachloroethane

Concen: 1.436 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.05 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

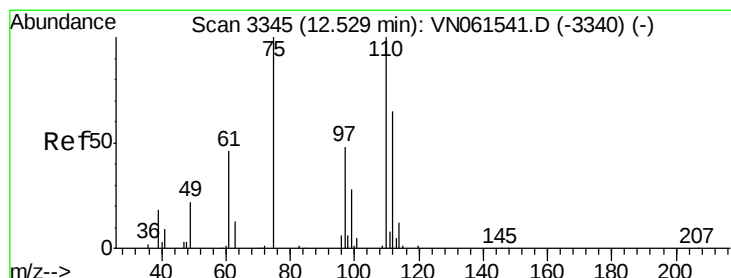
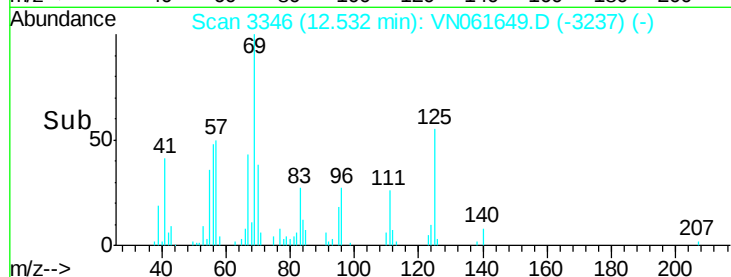
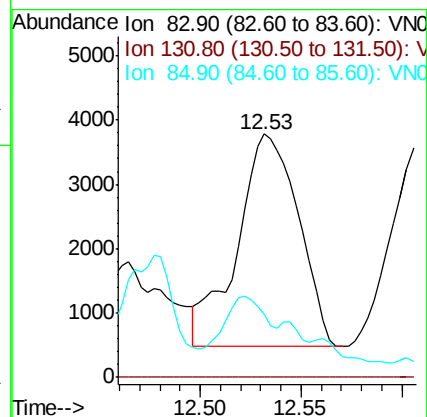
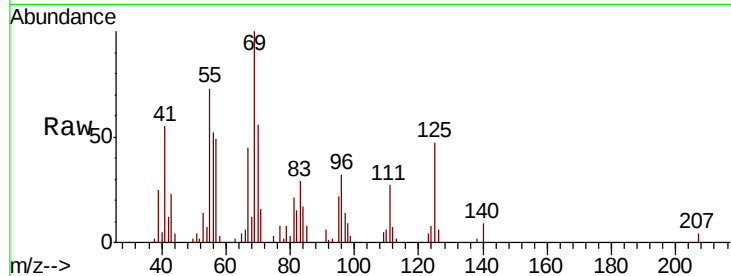
Tot Ion: 83 Resp: 7005

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 0.0 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 1.102 ug/l

RT: 12.63 min Scan# 3376

Delta R.T. 0.10 min

Lab File: VN061649.D

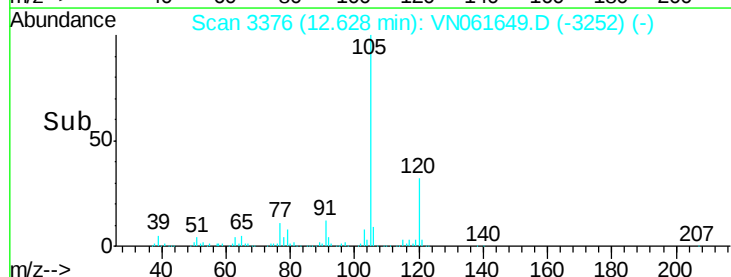
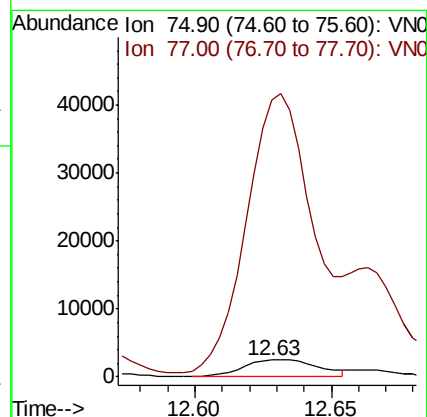
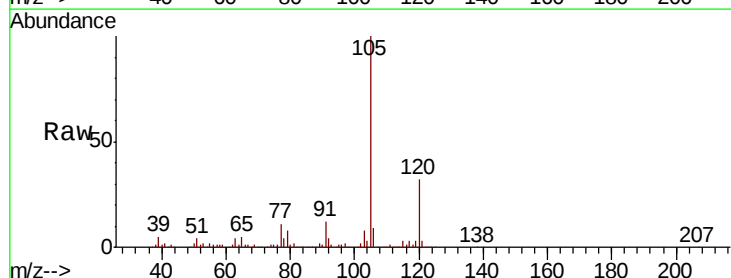
Acq: 4 Jun 2020 13:30

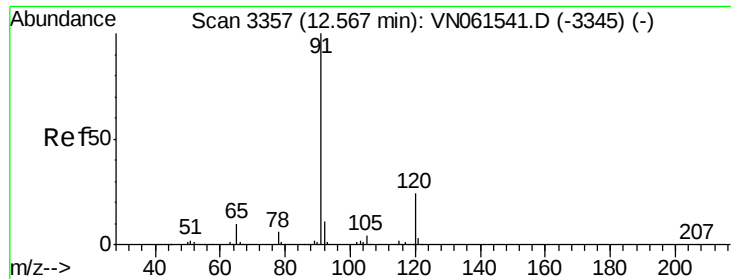
Tgt Ion: 75 Resp: 4778

Ion Ratio Lower Upper

75 100

77 1463.9 0.0 0.0#





#78

n-propylbenzene

Concen: 8.126 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

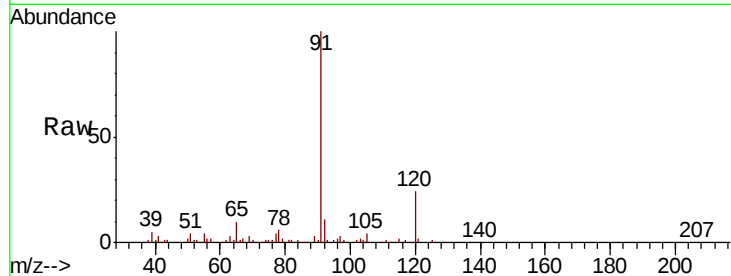
ClientSampled :

Tot Ion: 91 Resp: 157902

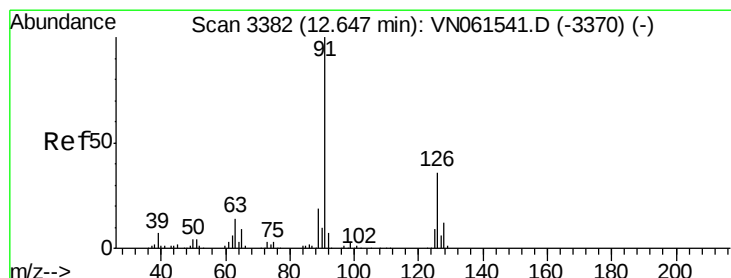
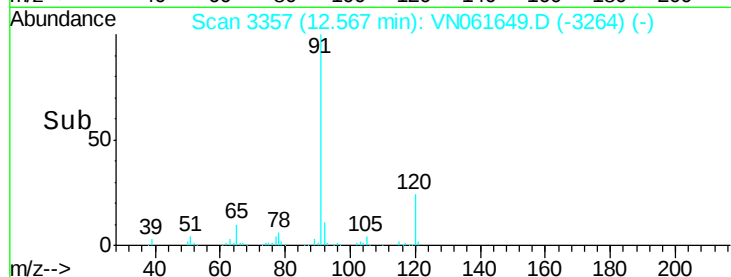
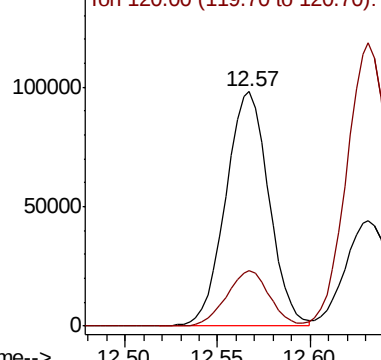
Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN061649.D (-3357) (-)



#79

2-Chlorotoluene

Concen: 6.049 ug/l

RT: 12.63 min Scan# 3377

Delta R.T. -0.02 min

Lab File: VN061649.D

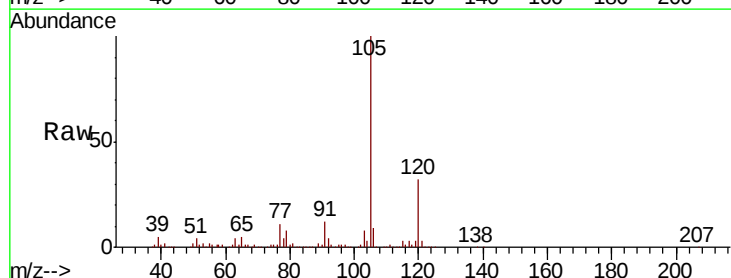
Acq: 4 Jun 2020 13:30

Tgt Ion: 91 Resp: 70083

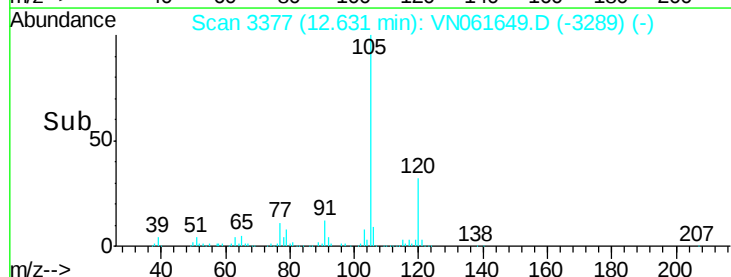
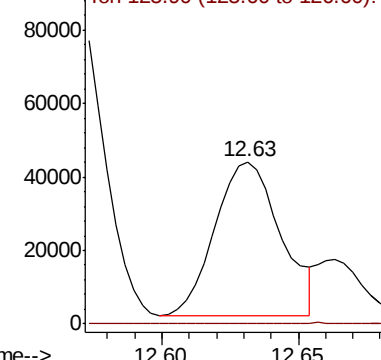
Ion Ratio Lower Upper

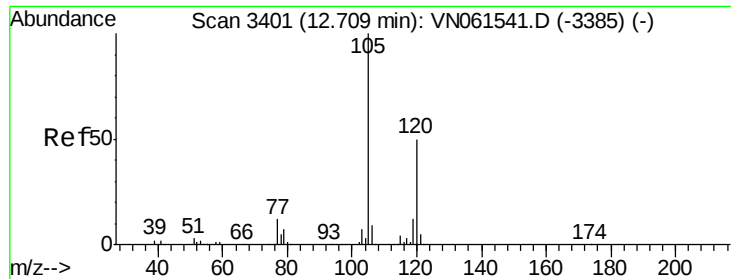
91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN061649.D (-3382) (-)

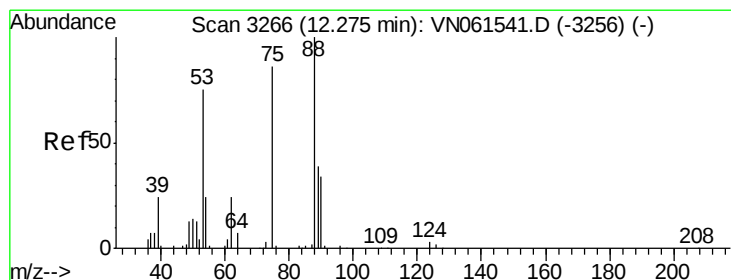
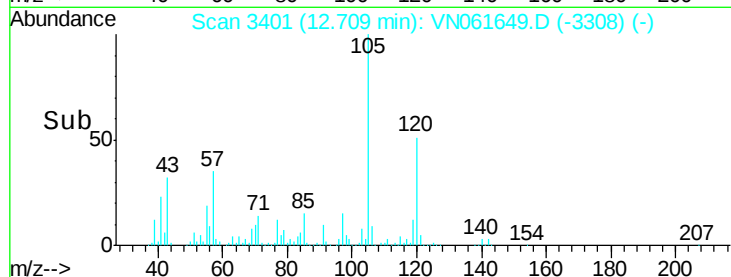
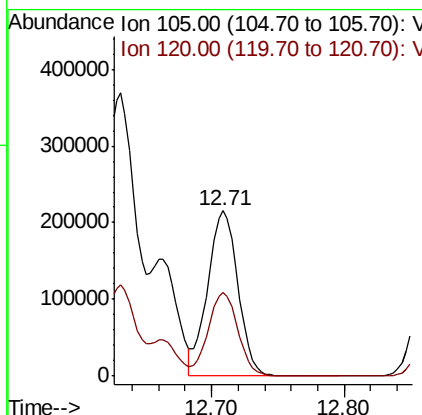
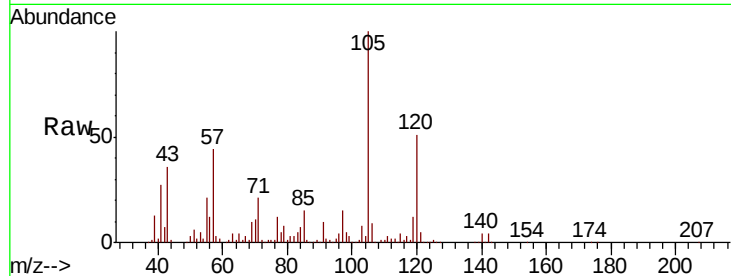




#80
 1,3,5-Trimethylbenzene
 Concen: 23.449 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

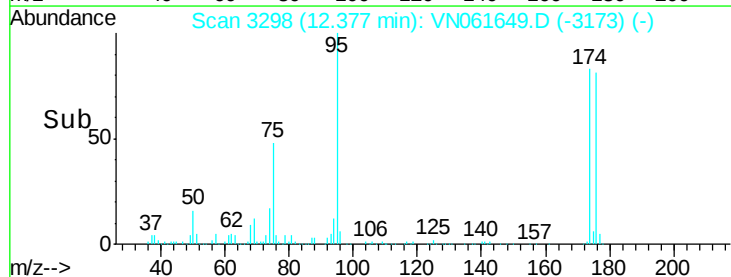
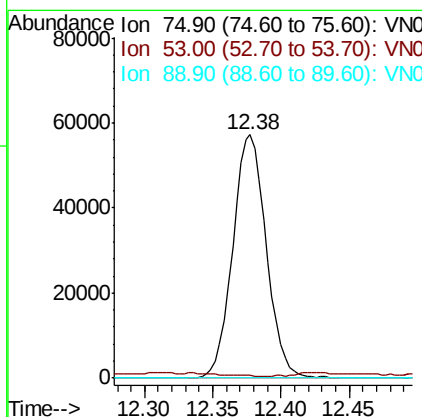
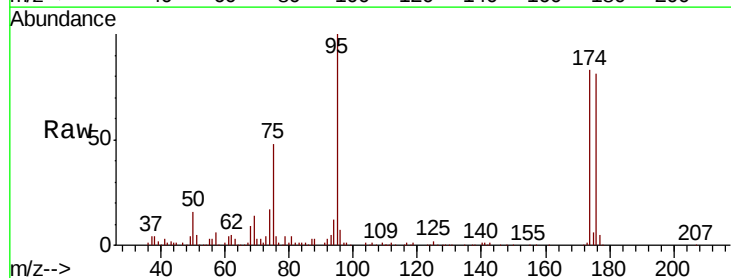
Instrument :
 MSVOA_N
 ClientSampleId :

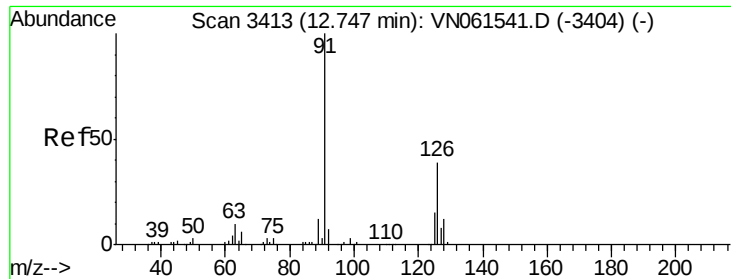
Tot Ion:105 Resp: 341132
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.401 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion: 75 Resp: 97335
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#





#82

4-Chlorotoluene

Concen: 2.544 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

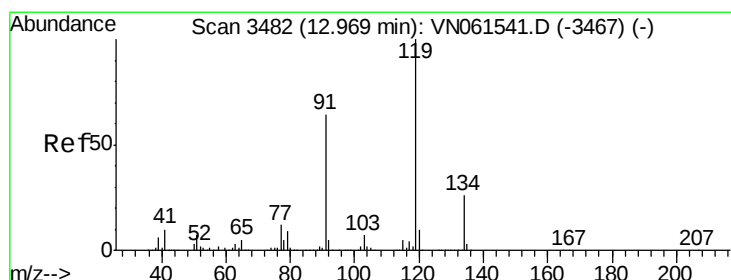
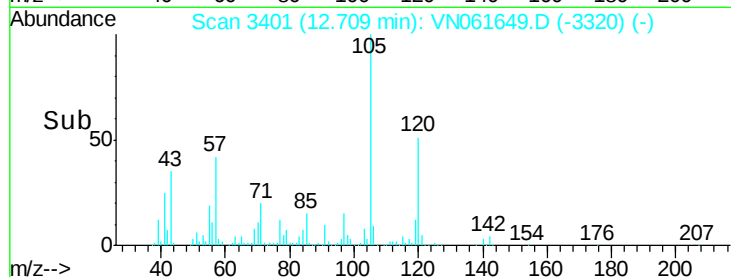
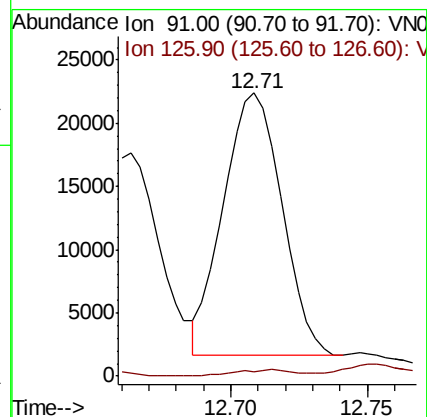
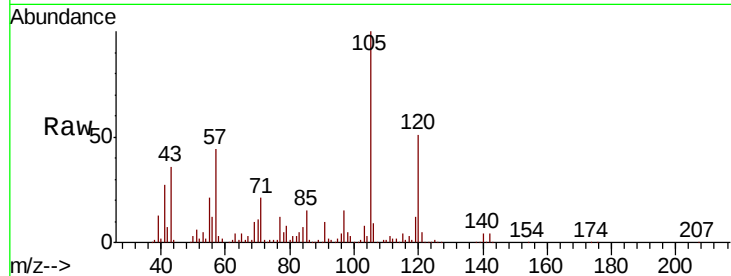
ClientSampleId :

Tot Ion: 91 Resp: 31008

Ion Ratio Lower Upper

91 100

126 2.5 17.5 52.6#



#83

tert-Butylbenzene

Concen: 12.661 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.04 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

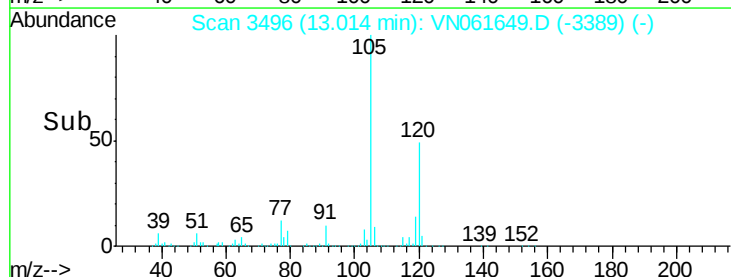
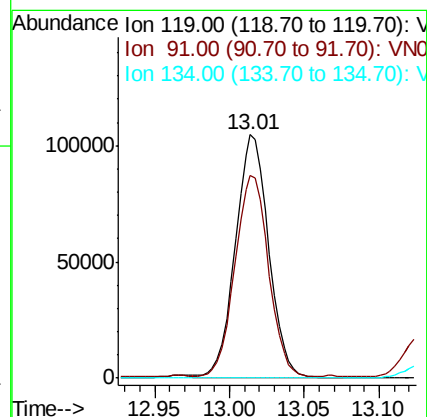
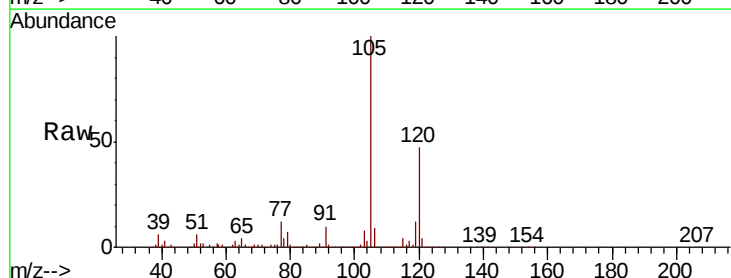
Tgt Ion: 119 Resp: 162744

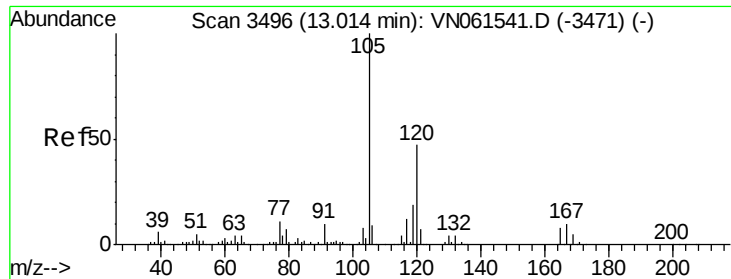
Ion Ratio Lower Upper

119 100

91 82.5 31.3 93.8

134 0.0 13.5 40.4#

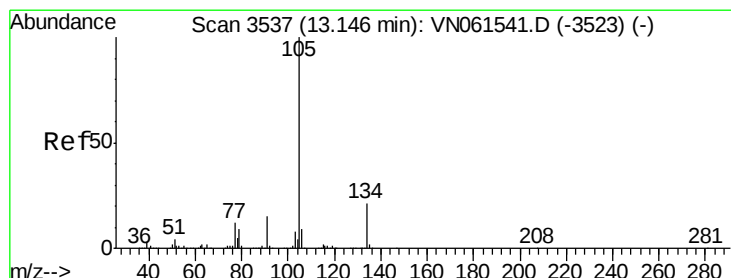
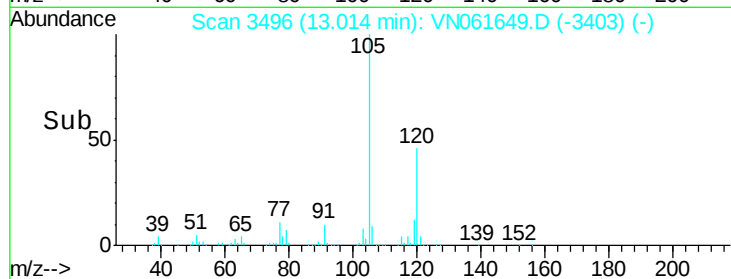
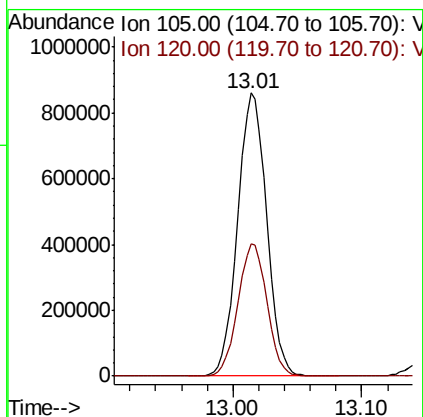
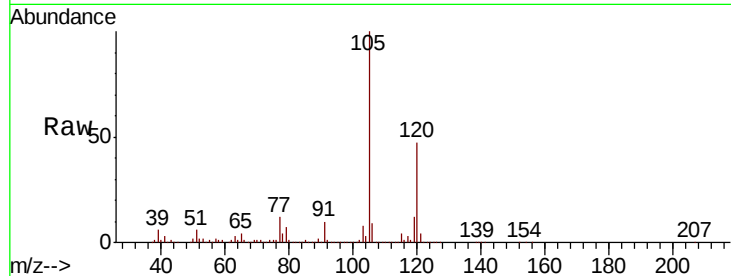




#84
1,2,4-Trimethylbenzene
Concen: 92.957 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

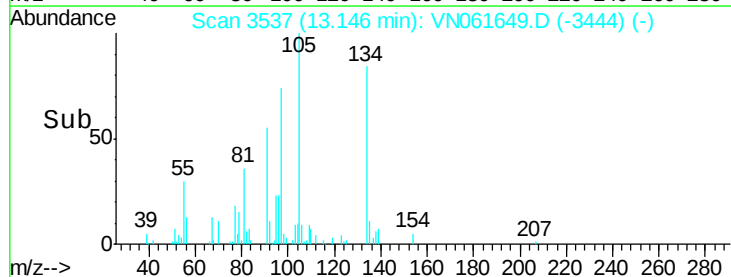
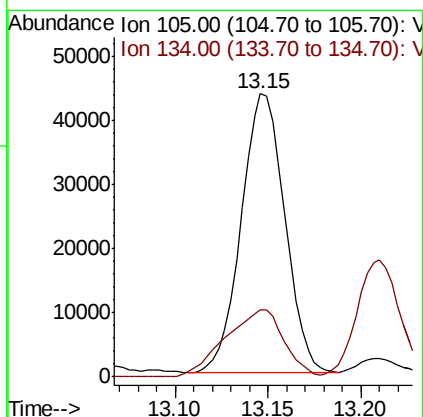
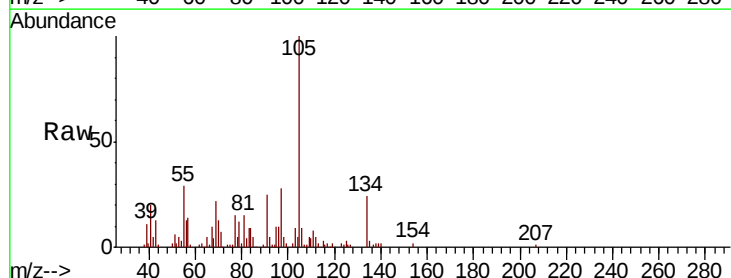
Instrument :
MSVOA_N
ClientSampled :

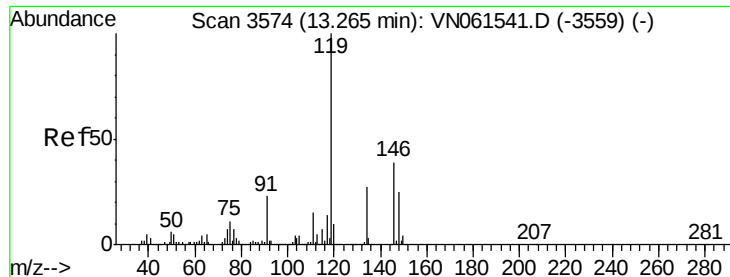
Tot Ion:105 Resp: 1343441
Ion Ratio Lower Upper
105 100
120 46.8 23.2 69.5



#85
sec-Butylbenzene
Concen: 4.296 ug/l
RT: 13.15 min Scan# 3537
Delta R.T. -0.00 min
Lab File: VN061649.D
Acq: 4 Jun 2020 13:30

Tgt Ion:105 Resp: 71160
Ion Ratio Lower Upper
105 100
134 32.4 10.7 31.9#

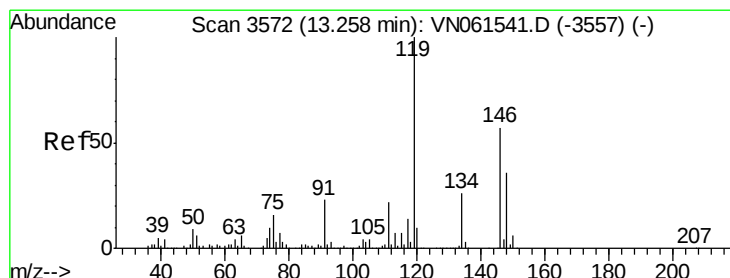
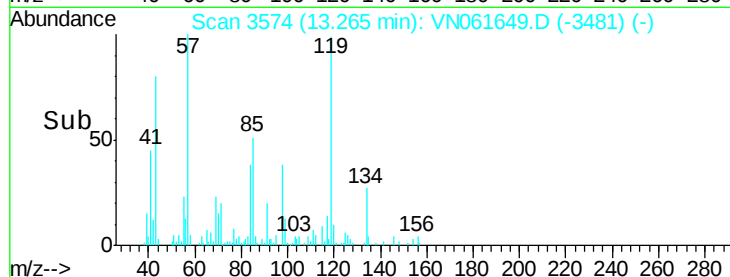
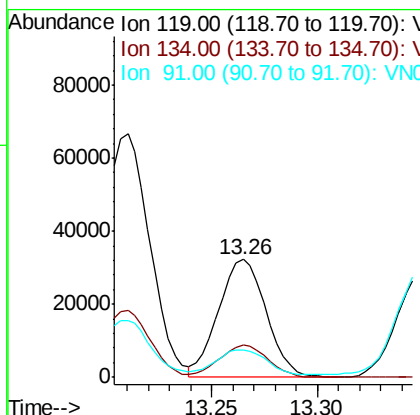
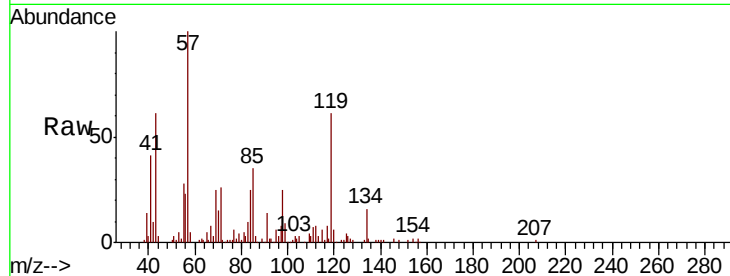




#86
 p-Isopropyltoluene
 Concen: 3.270 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

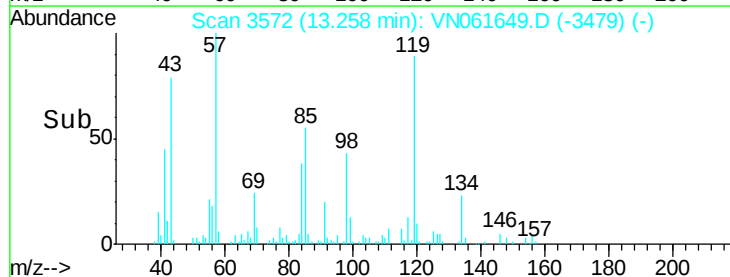
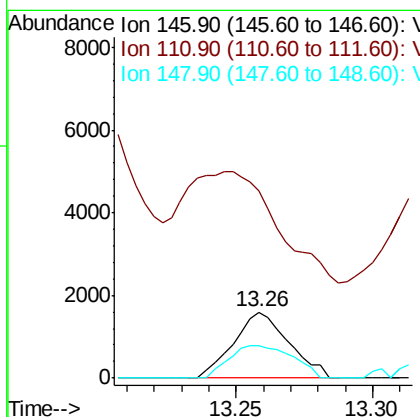
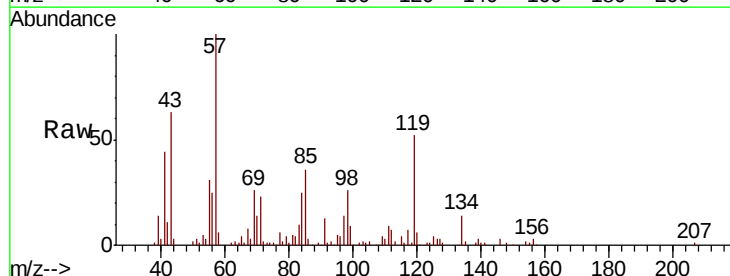
Instrument :
 MSVOA_N
 ClientSampled :

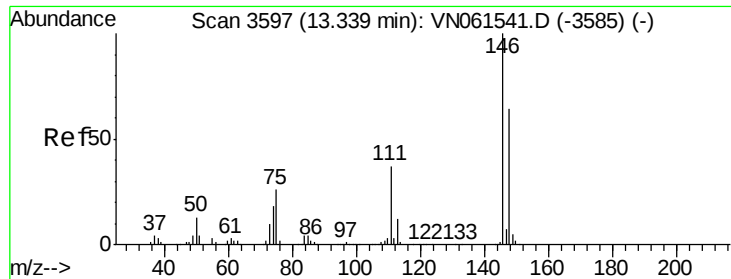
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.5	40.5
91	21.9	11.4	34.1



#87
 1,3-Dichlorobenzene
 Concen: 0.285 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	270.8	19.2	57.6#
148	56.7	31.7	95.1

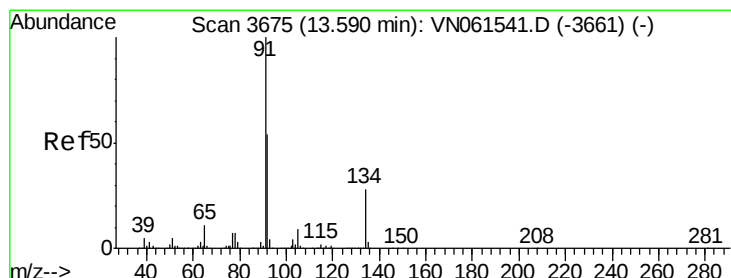
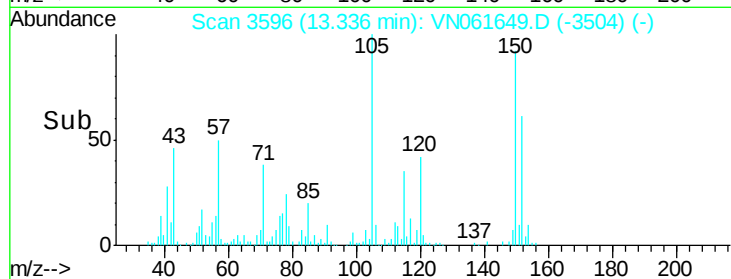
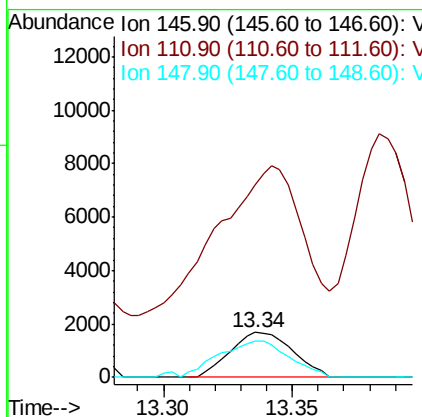
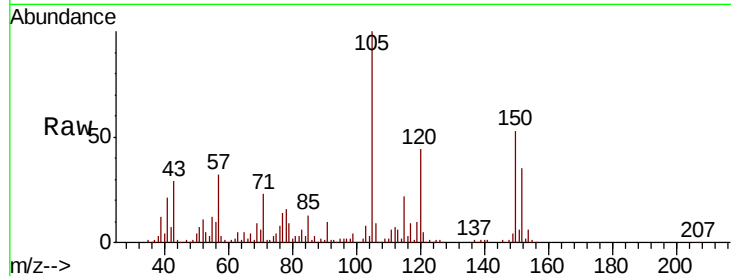




#88
 1,4-Dichlorobenzene
 Concen: 0.354 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

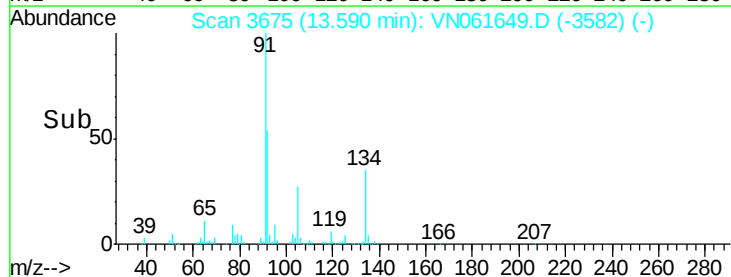
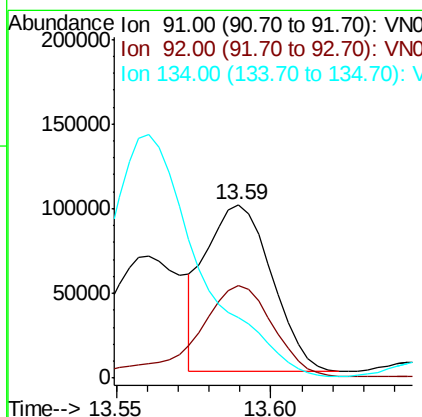
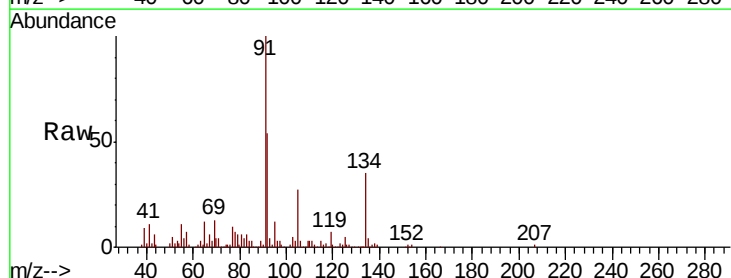
Instrument :
 MSVOA_N
 ClientSampled :

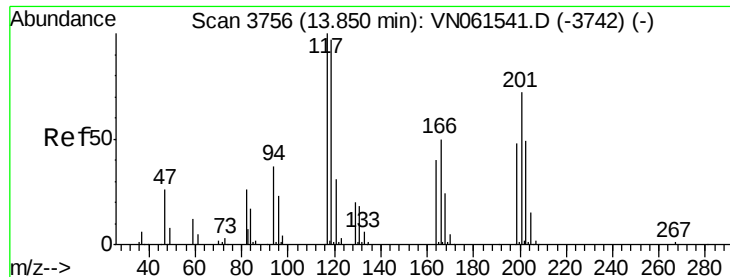
Tot Ion:146 Resp: 2839
 Ion Ratio Lower Upper
 146 100
 111 442.3 18.9 56.9#
 148 91.0 31.8 95.3



#89
 n-Butylbenzene
 Concen: 11.405 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN061649.D
 Acq: 4 Jun 2020 13:30

Tgt Ion: 91 Resp: 145713
 Ion Ratio Lower Upper
 91 100
 92 65.2 27.2 81.6
 134 0.0 14.0 42.0#





#90

Hexachloroethane

Concen: 32.487 ug/l

RT: 13.87 min Scan# 3761

Delta R.T. 0.02 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

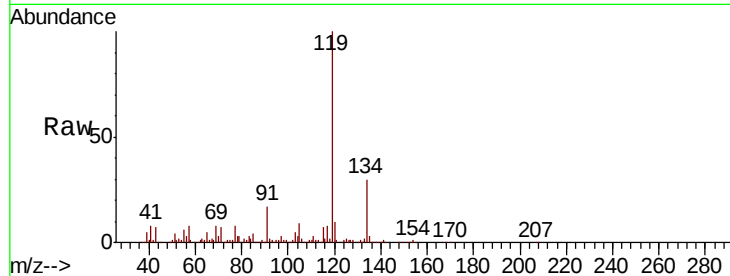
ClientSampled :

Tot Ion:117 Resp: 54801

Ion Ratio Lower Upper

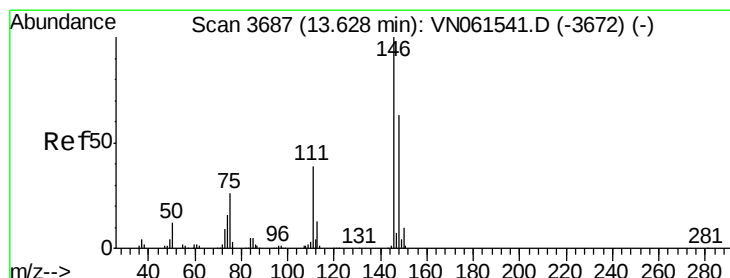
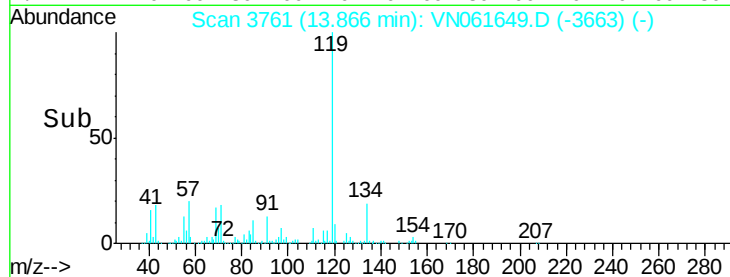
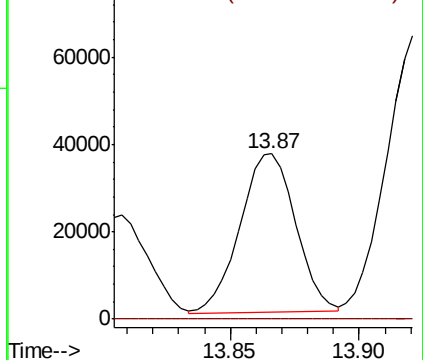
117 100

201 0.0 36.7 110.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.275 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

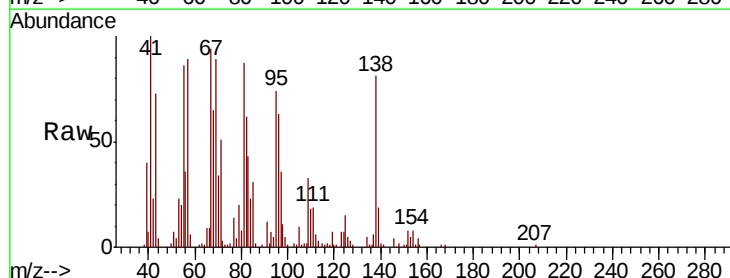
Tgt Ion:146 Resp: 2064

Ion Ratio Lower Upper

146 100

111 0.0 20.1 60.2#

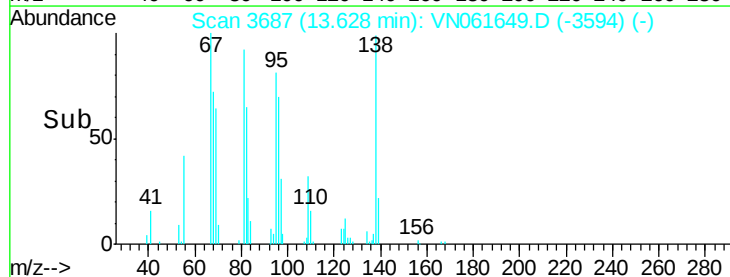
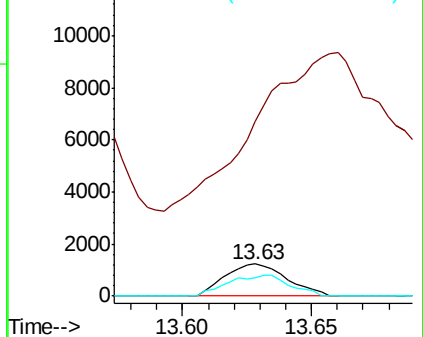
148 64.2 31.9 95.5

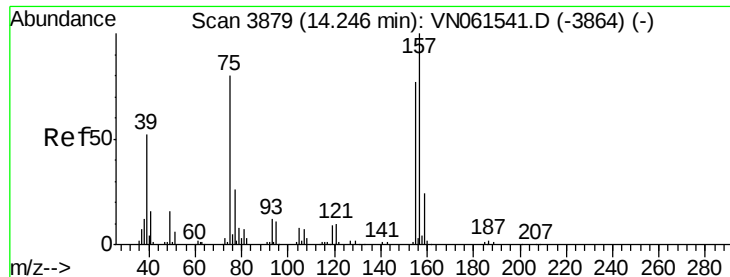


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.409 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.03 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

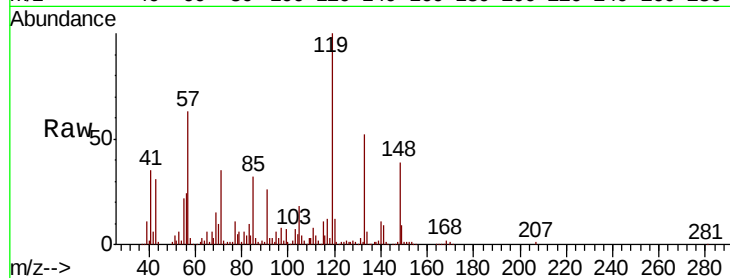
Tot Ion: 75 Resp: 2396

Ion Ratio Lower Upper

75 100

155 60.4 47.1 141.4

157 0.0 60.3 180.8#

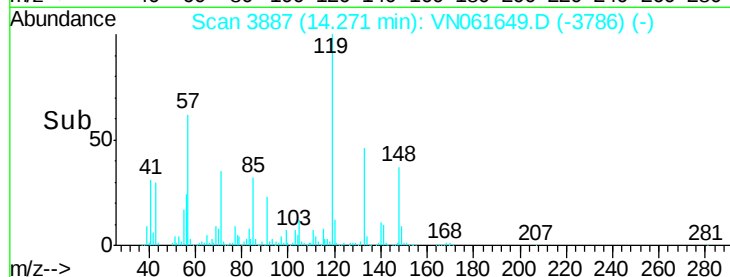


Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3864) (-)

Ion 154.80 (154.50 to 155.50): VN061541.D (-3864) (-)

Ion 156.80 (156.50 to 157.50): VN061541.D (-3864) (-)

Time-->

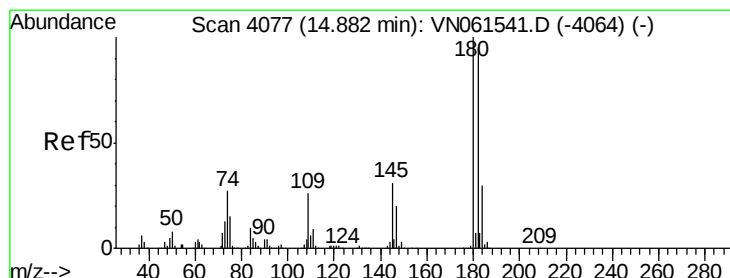


Abundance Ion 74.90 (74.60 to 75.60): VN061649.D (-3786) (-)

Ion 154.80 (154.50 to 155.50): VN061649.D (-3786) (-)

Ion 156.80 (156.50 to 157.50): VN061649.D (-3786) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.306 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

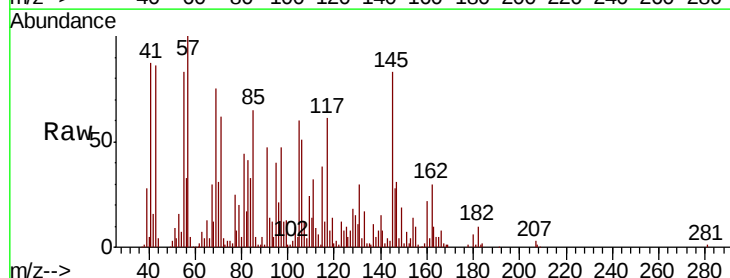
Tgt Ion: 180 Resp: 5742

Ion Ratio Lower Upper

180 100

182 222.0 47.8 143.3#

145 2294.1 15.5 46.5#

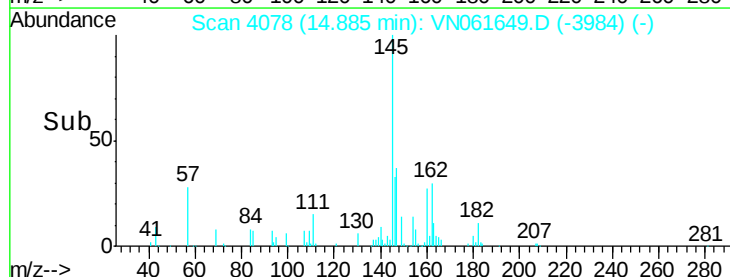


Abundance Ion 179.80 (179.50 to 180.50): VN061541.D (-4064) (-)

Ion 181.80 (181.50 to 182.50): VN061541.D (-4064) (-)

Ion 144.80 (144.50 to 145.50): VN061541.D (-4064) (-)

Time-->

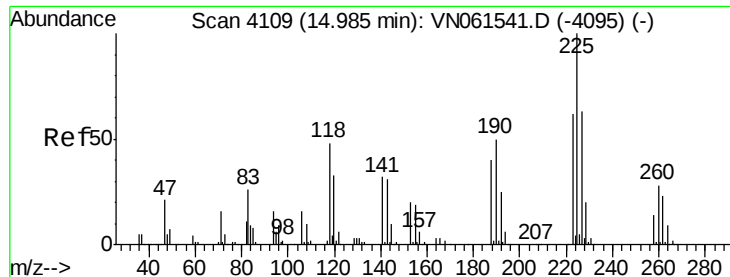


Abundance Ion 179.80 (179.50 to 180.50): VN061649.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN061649.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN061649.D (-3984) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 1.600 ug/l

RT: 14.98 min Scan# 4109

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampled :

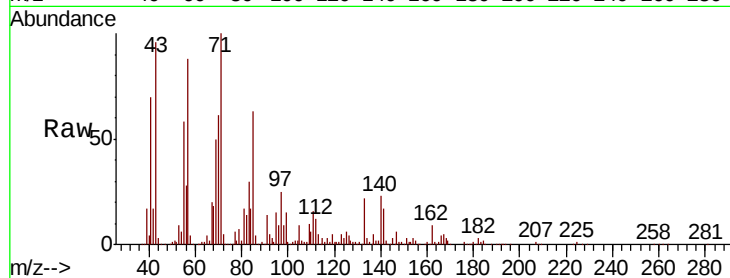
Tot Ion:225 Resp: 3001

Ion Ratio Lower Upper

225 100

223 61.7 31.9 95.5

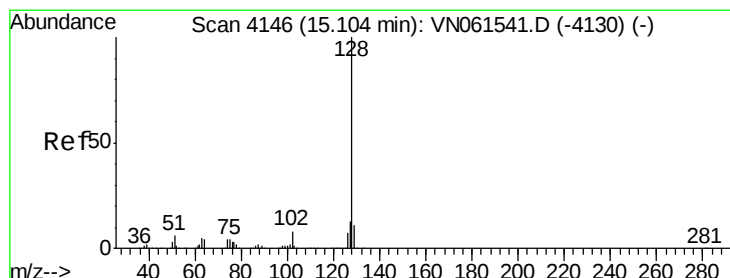
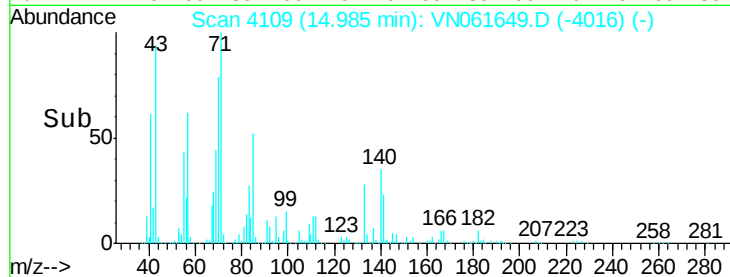
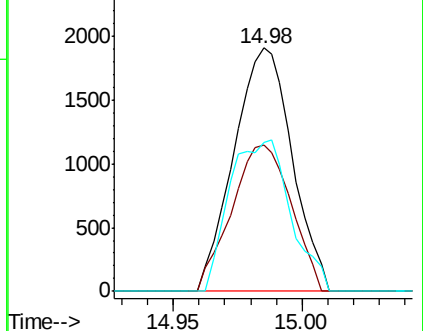
227 65.3 31.9 95.9



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: 39.484 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

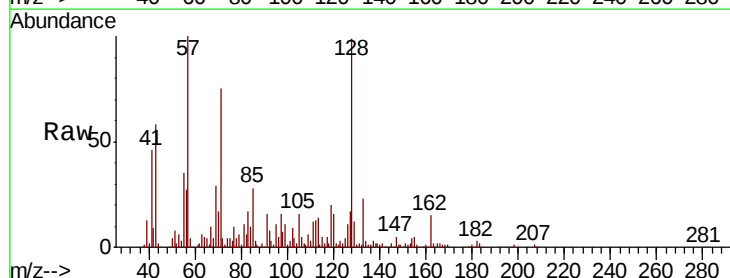
Tgt Ion:128 Resp: 528452

Ion Ratio Lower Upper

128 100

127 20.5 10.0 15.0#

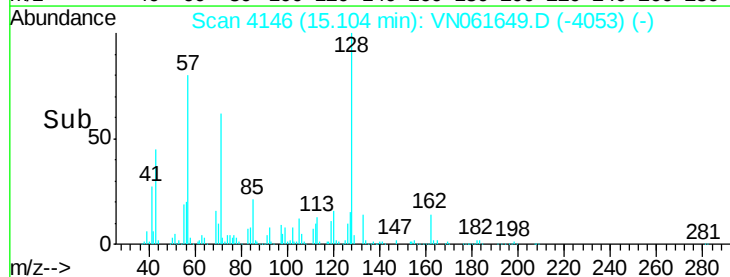
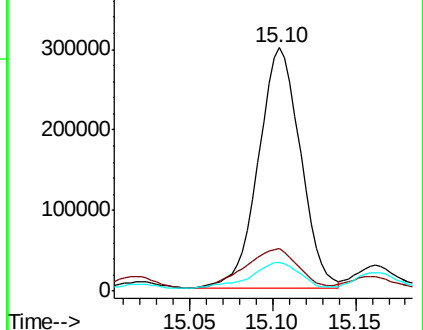
129 12.7 8.5 12.7

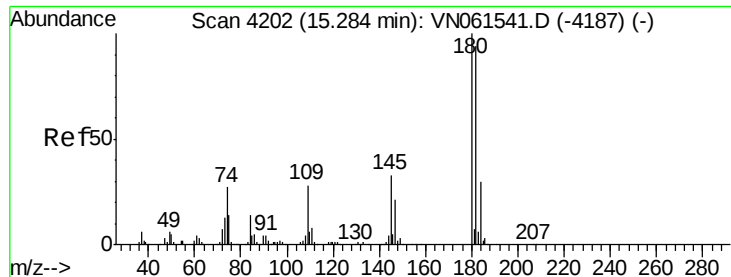


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.570 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.02 min

Lab File: VN061649.D

Acq: 4 Jun 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:180 Resp: 11111

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.3#

145 1509.8 16.3 48.9#

