

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060520.D
 Acq On : 16 Mar 2020 14:06
 Operator : JC/MD
 Sample : L1762-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-031220

Quant Time: Mar 17 08:43:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	219636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	362924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	138708	49.22	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	105059	62.37	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	442726	51.93	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	160794	49.75	ug/l	0.00
Spiked Amount						

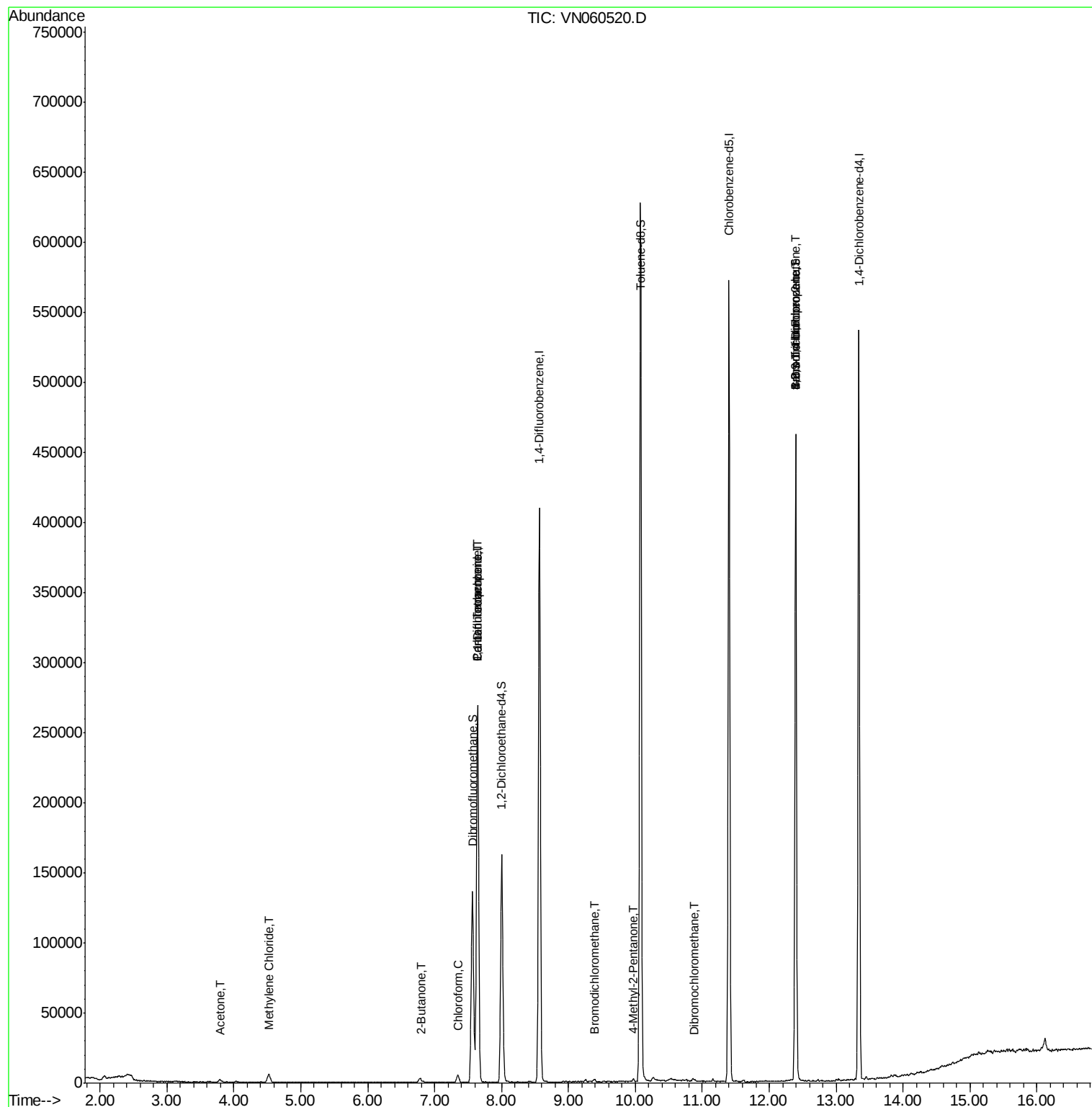
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3512	3.859	ug/l	95
17) Carbon Disulfide	4.04	76	421	Below Cal	#	75
20) Methylene Chloride	4.52	84	4536	1.815	ug/l	94
25) 2-Butanone	6.81	43	430	0.293	ug/l	# 49
30) Chloroform	7.35	83	5994	1.350	ug/l	95
31) Cyclohexane	7.64	56	4546	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	17294	5.000	ug/l	# 49
38) Carbon Tetrachloride	7.64	117	20776	6.169	ug/l	# 16
47) Bromodichloromethane	9.38	83	2024	0.583	ug/l	# 89
51) 4-Methyl-2-Pentanone	9.97	43	1516	0.466	ug/l	# 75
60) Dibromochloromethane	10.89	129	518	0.200	ug/l	88
71) Bromoform	12.40	173	1014	0.571	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	82173	25.847	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	82173	71.350	ug/l	# 8
87) 1,3-Dichlorobenzene	13.28	146	246	Below Cal	#	57
88) 1,4-Dichlorobenzene	13.36	146	290	Below Cal	#	1
95) Naphthalene	15.13	128	1945	Below Cal	#	79
96) 1,2,3-Trichlorobenzene	15.31	180	258	Below Cal	#	49

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

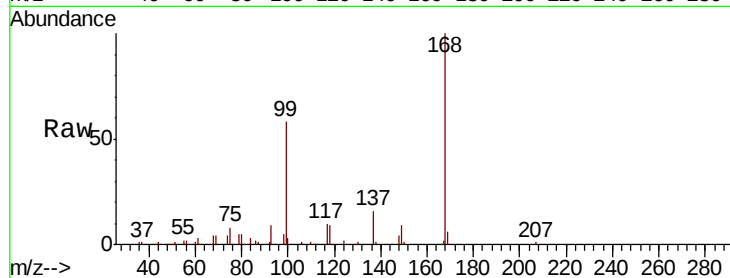
TR-04-031220

Tot Ion:168 Resp: 219636

Ion Ratio Lower Upper

168 100

99 58.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

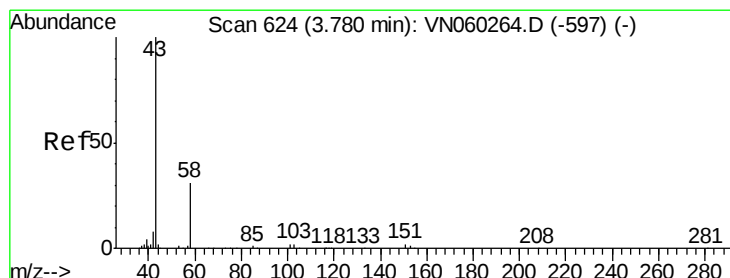
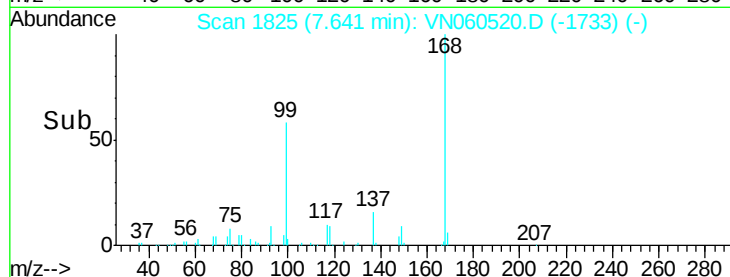
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 3.859 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060520.D

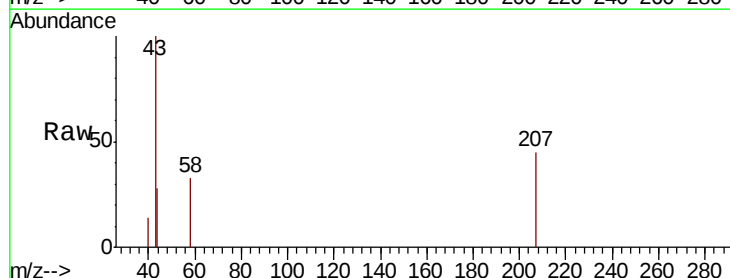
Acq: 16 Mar 2020 14:06

Tgt Ion: 43 Resp: 3512

Ion Ratio Lower Upper

43 100

58 33.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

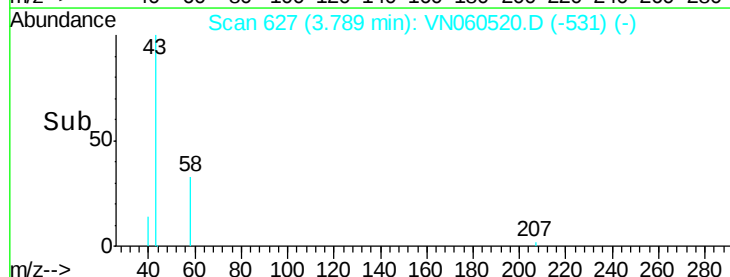
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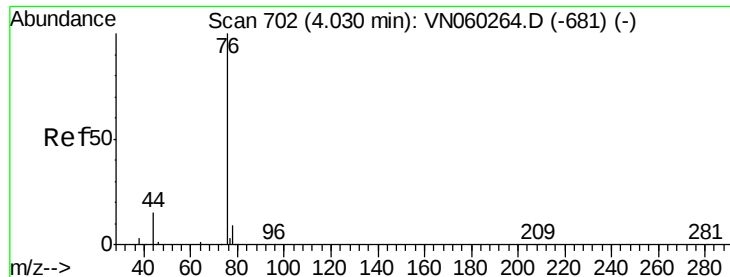
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

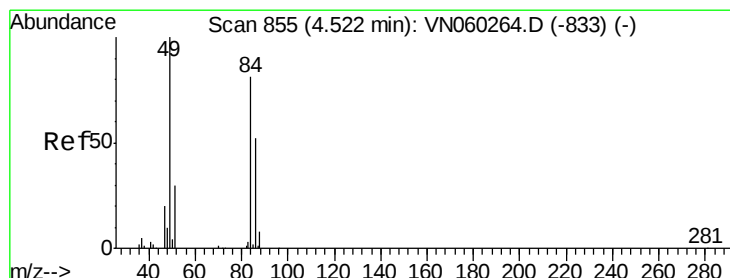
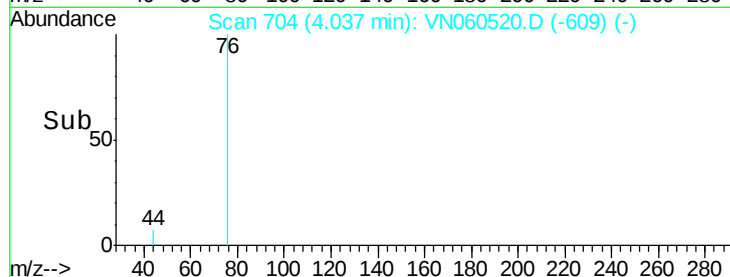
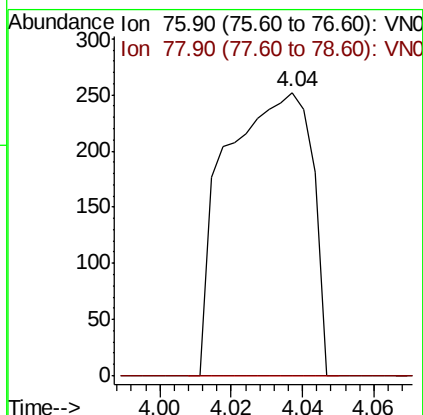
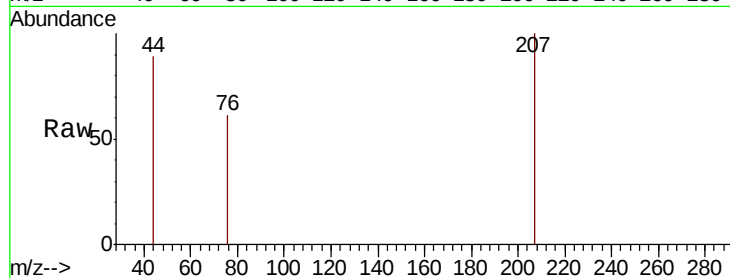




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN060520.D
Acq: 16 Mar 2020 14:06

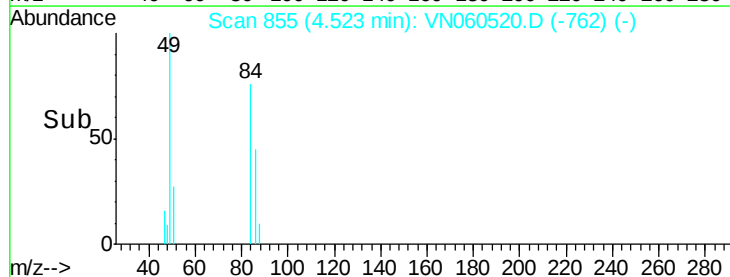
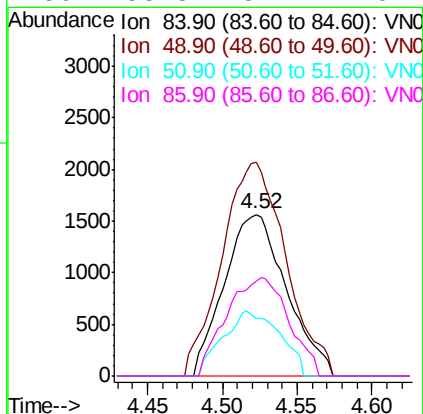
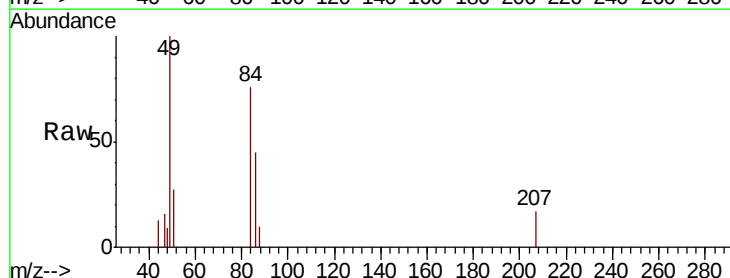
Instrument :
MSVOA_N
ClientSampleId :
TR-04-031220

Tot Ion: 76 Resp: 421
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 1.815 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060520.D
Acq: 16 Mar 2020 14:06

Tgt Ion: 84 Resp: 4536
Ion Ratio Lower Upper
84 100
49 132.1 99.3 148.9
51 35.8 30.1 45.1
86 58.8 51.1 76.7

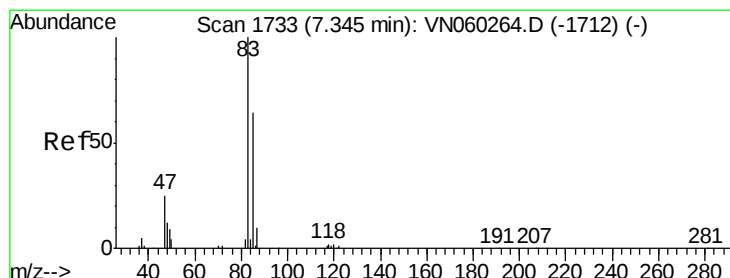
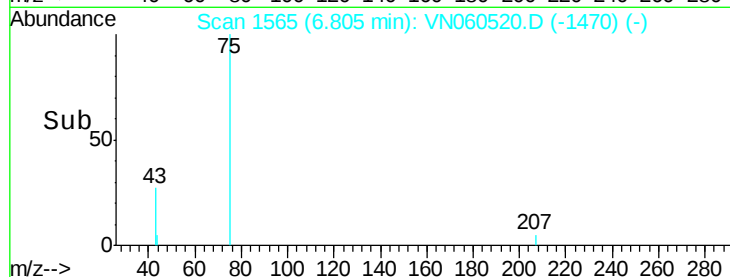
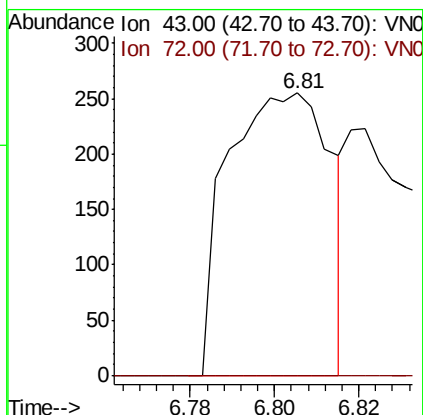
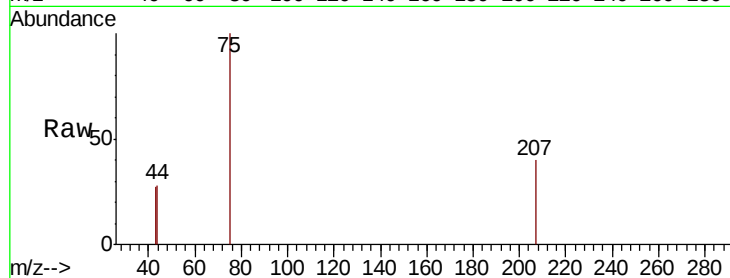




#25
2-Butanone
Concen: 0.293 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060520.D
Acq: 16 Mar 2020 14:06

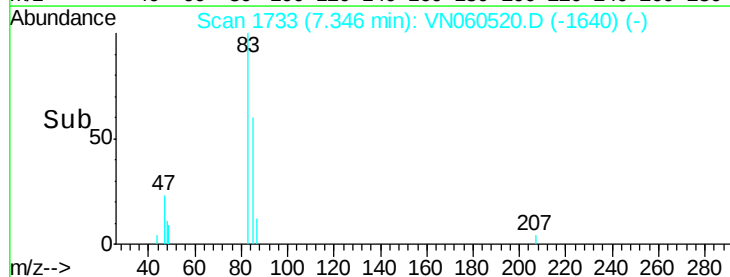
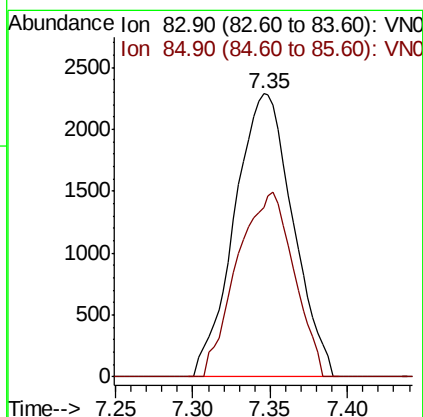
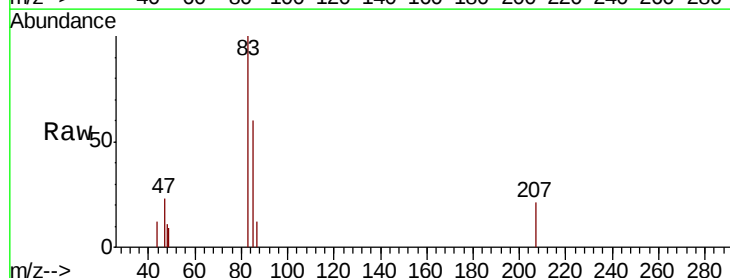
Instrument :
MSVOA_N
ClientSampleId :
TR-04-031220

Tot Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#30
Chloroform
Concen: 1.350 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060520.D
Acq: 16 Mar 2020 14:06

Tgt Ion: 83 Resp: 5994
Ion Ratio Lower Upper
83 100
85 60.1 51.4 77.2

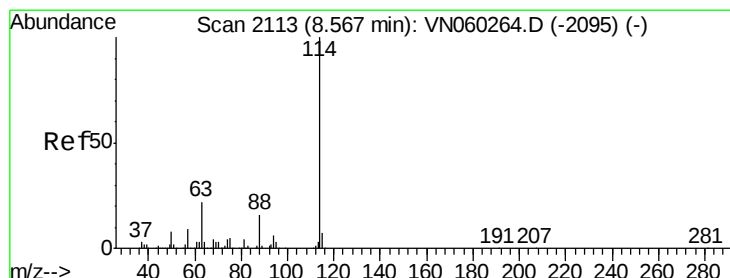
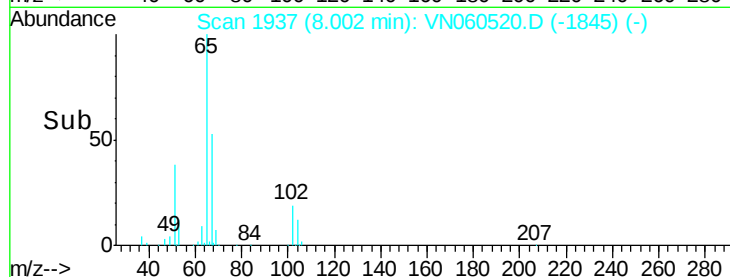
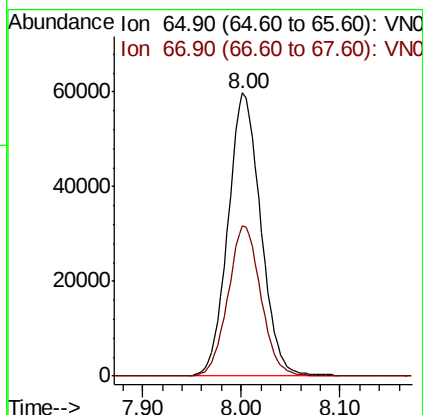
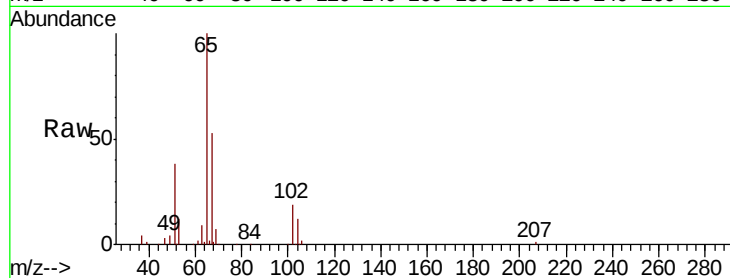




#33
 1,2-Dichloroethane-d4
 Concen: 49.223 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060520.D
 Acq: 16 Mar 2020 14:06

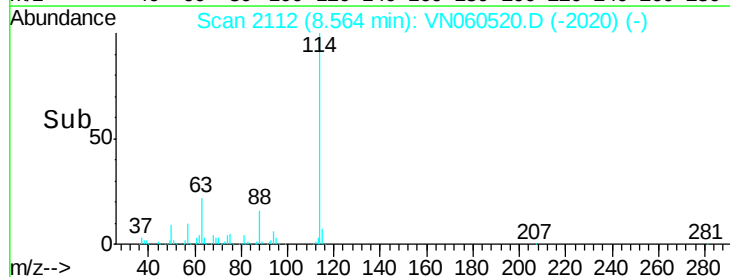
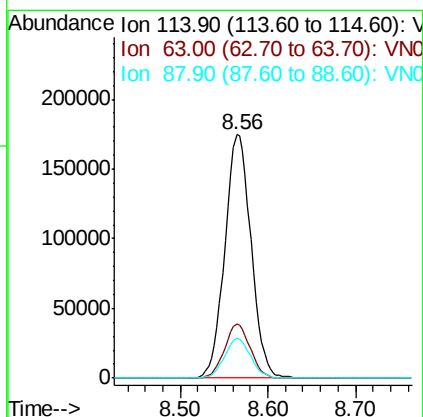
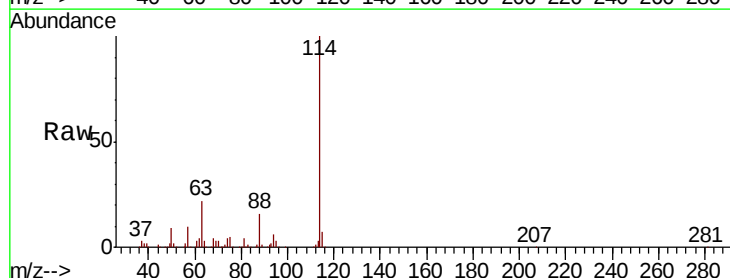
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-031220

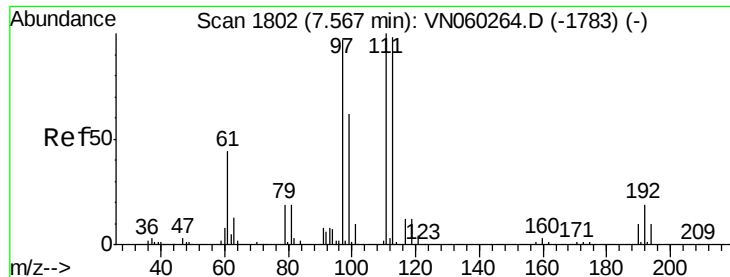
Tot Ion: 65 Resp: 138708
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060520.D
 Acq: 16 Mar 2020 14:06

Tgt Ion: 114 Resp: 362924
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.3 0.0 31.6

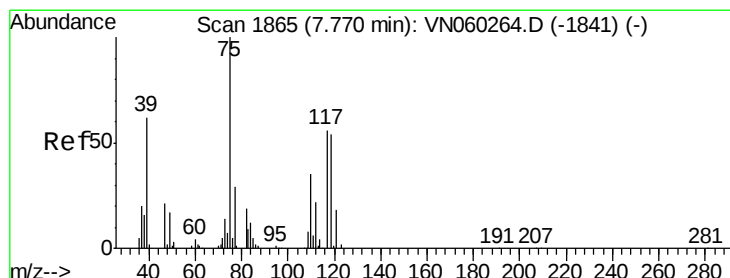
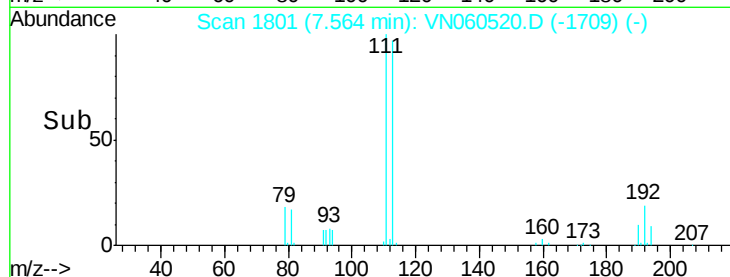
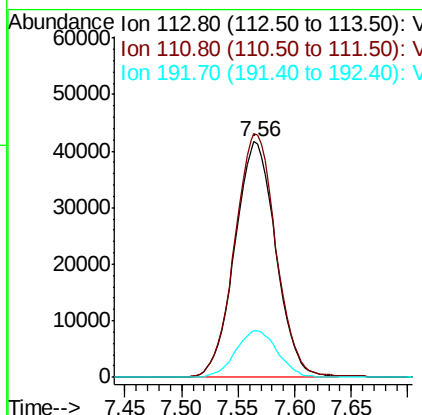
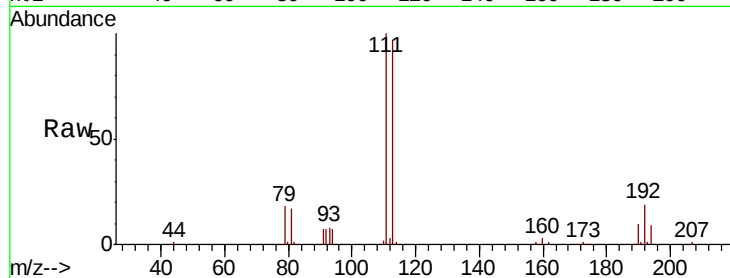




#35
 Dibromofluoromethane
 Concen: 62.365 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060520.D
 Acq: 16 Mar 2020 14:06

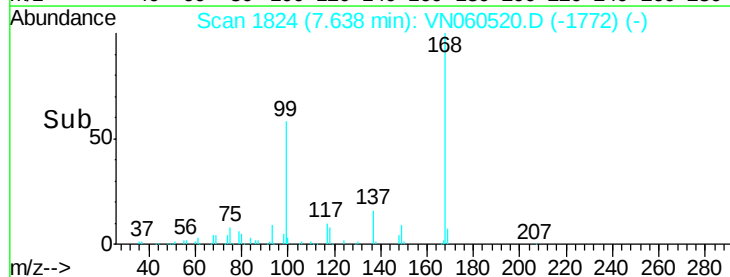
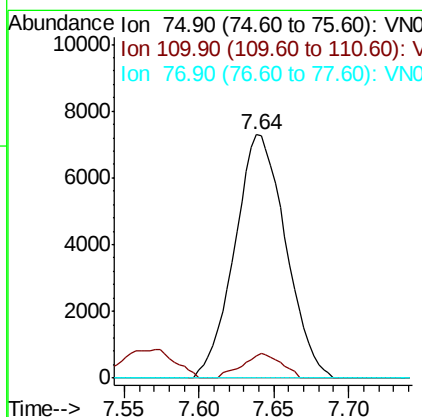
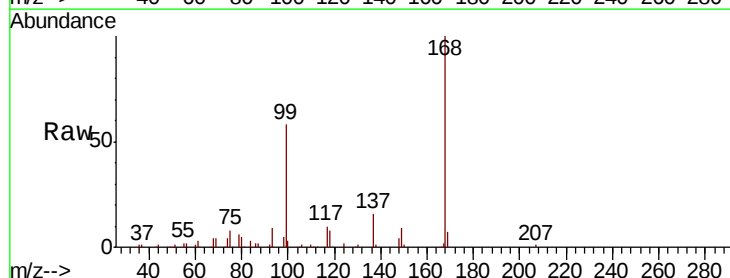
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-031220

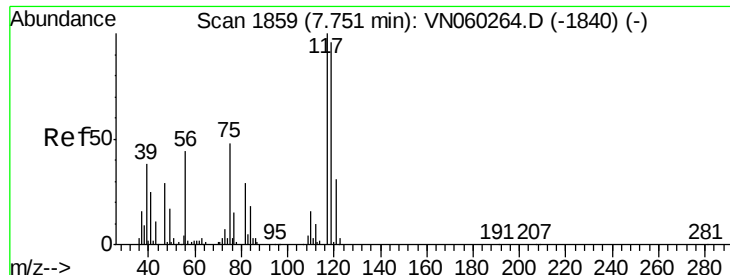
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.4	123.6
192	20.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060520.D
 Acq: 16 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.3	52.0#
77	0.0	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 6.169 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

TR-04-031220

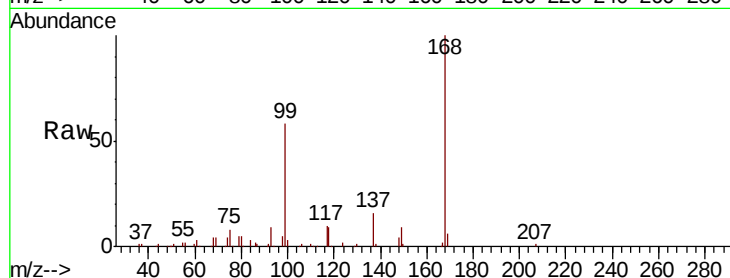
Tot Ion:117 Resp: 20776

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

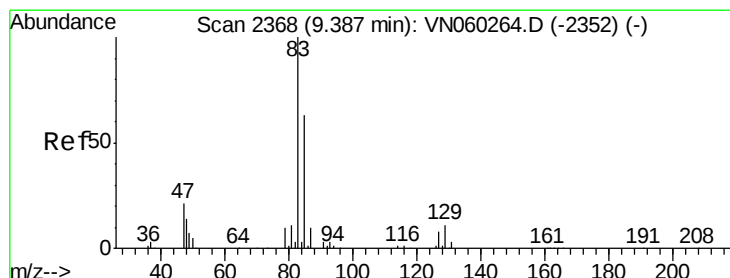
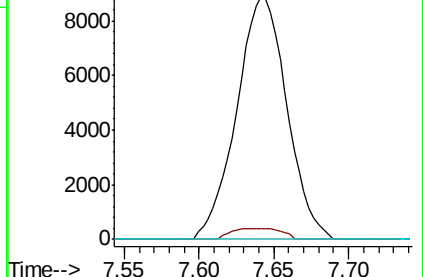
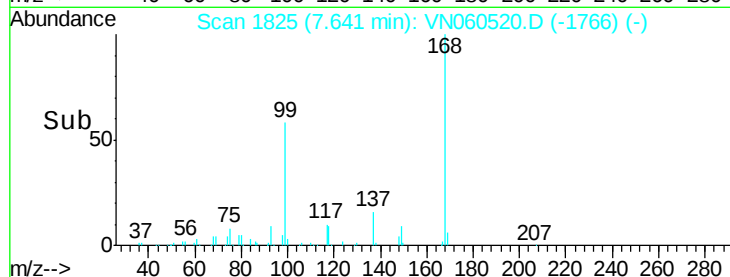
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#47

Bromodichloromethane

Concen: 0.583 ug/l

RT: 9.38 min Scan# 2366

Delta R.T. -0.01 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

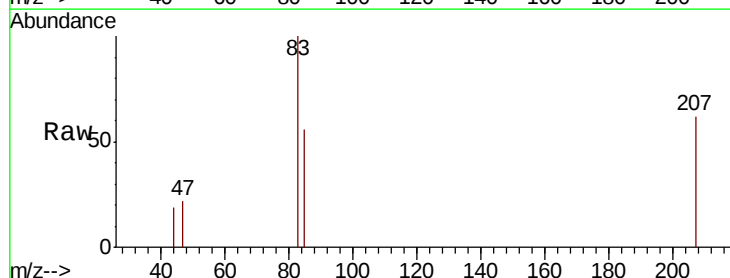
Tgt Ion: 83 Resp: 2024

Ion Ratio Lower Upper

83 100

85 56.5 50.7 76.1

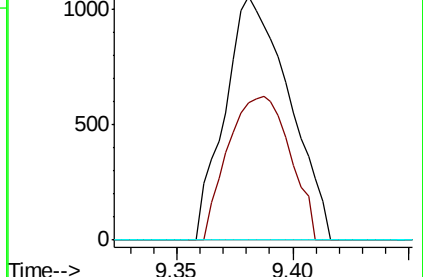
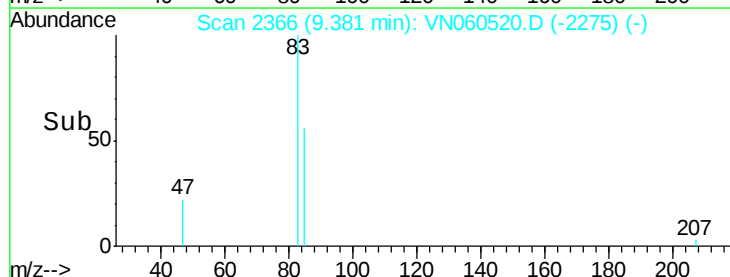
127 0.0 6.8 10.2#

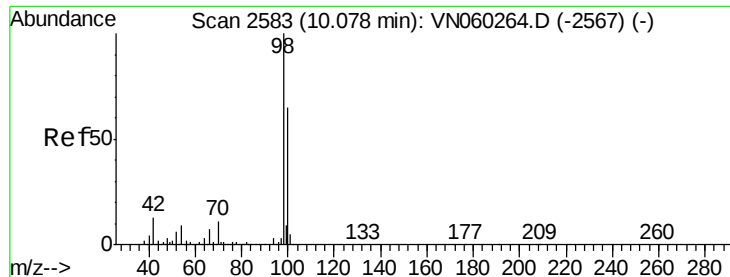


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 51.927 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

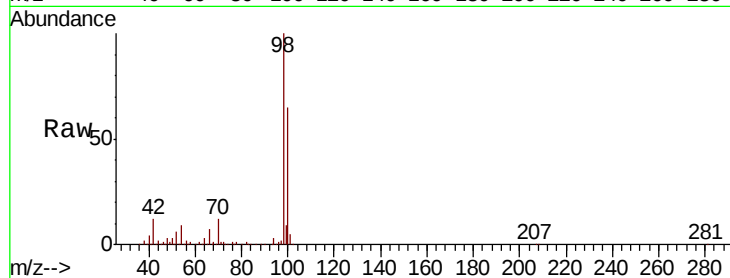
TR-04-031220

Tot Ion: 98 Resp: 442726

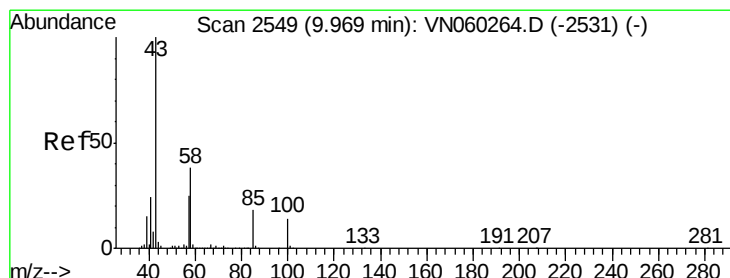
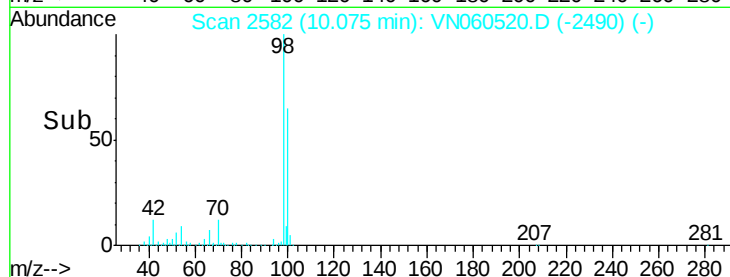
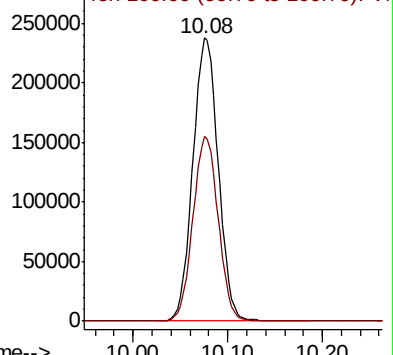
Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060520.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.466 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060520.D

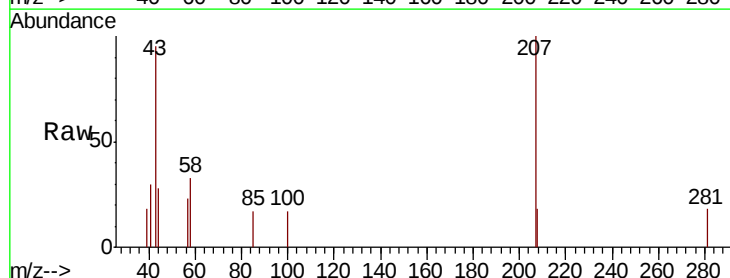
Acq: 16 Mar 2020 14:06

Tgt Ion: 43 Resp: 1516

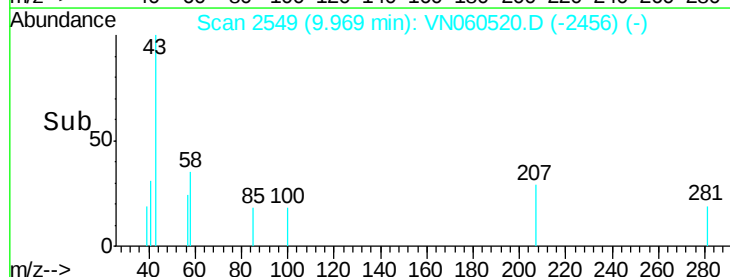
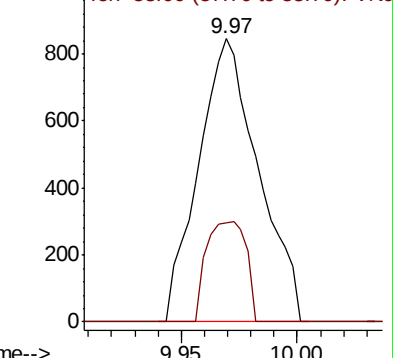
Ion Ratio Lower Upper

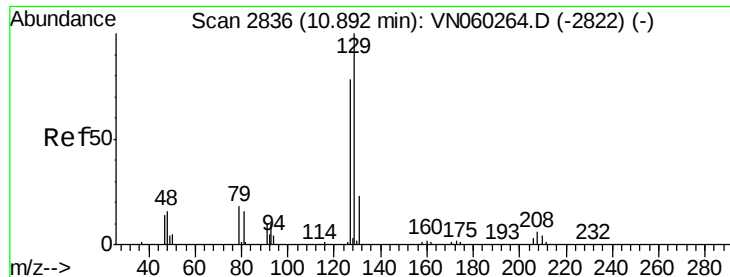
43 100

58 23.3 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060520.D (-2456) (-)





#60

Dibromochloromethane

Concen: 0.200 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

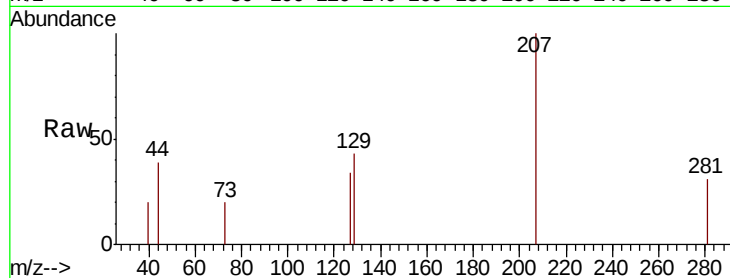
TR-04-031220

Tot Ion:129 Resp: 518

Ion Ratio Lower Upper

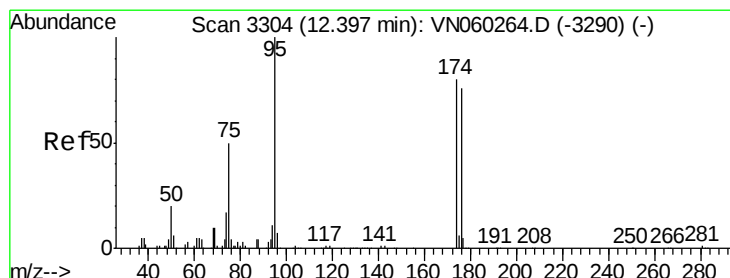
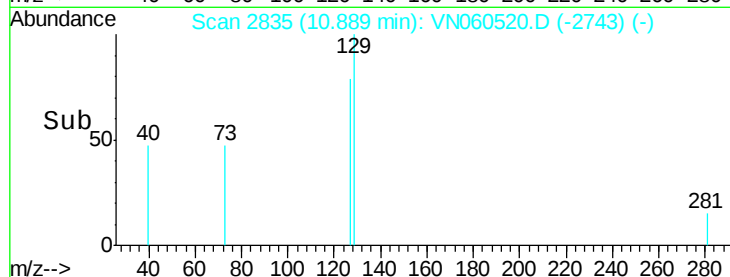
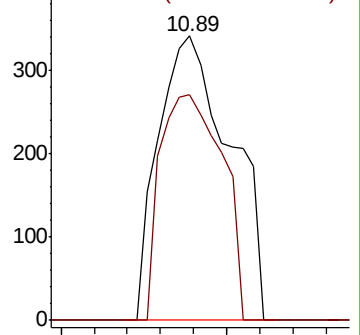
129 100

127 67.8 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.752 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

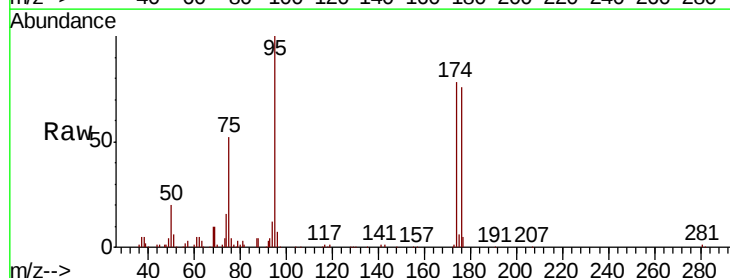
Tgt Ion: 95 Resp: 160794

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.2

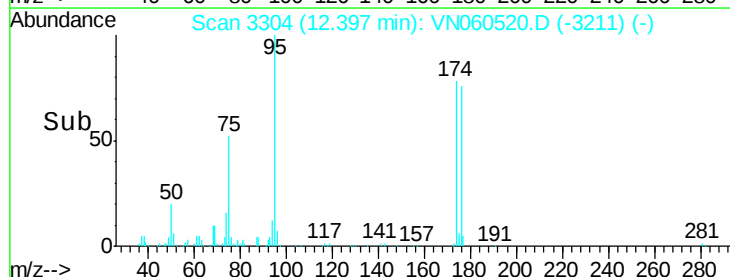
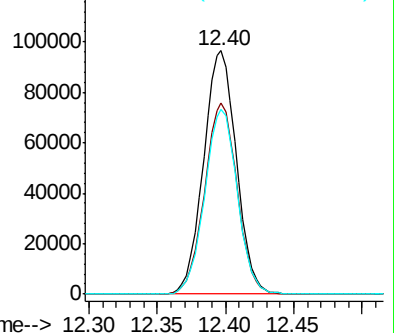
176 75.6 0.0 153.8

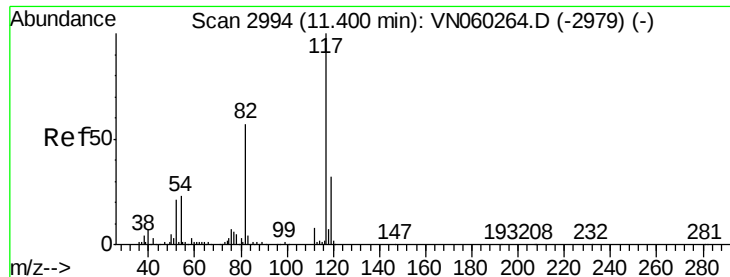


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

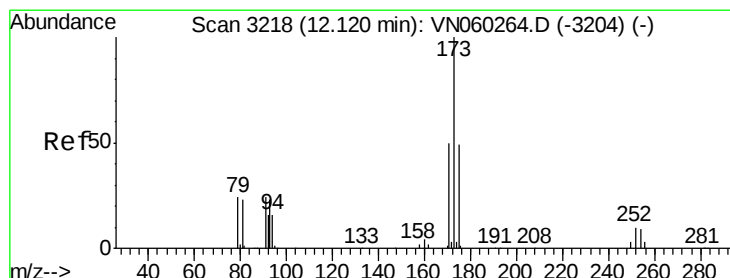
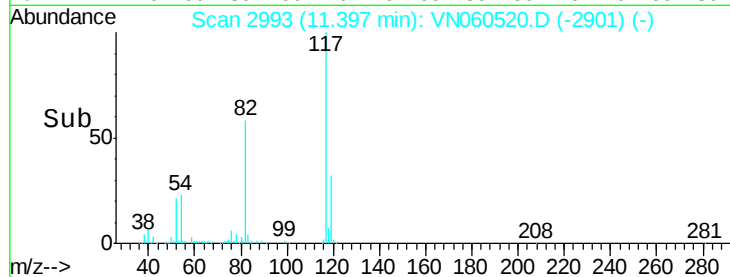
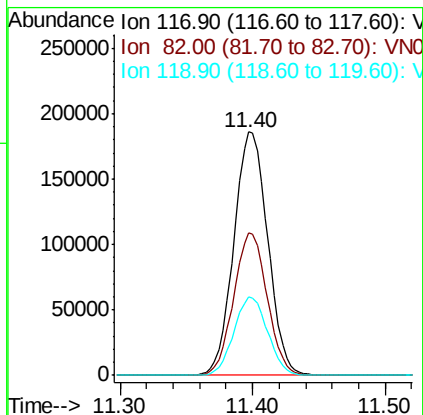
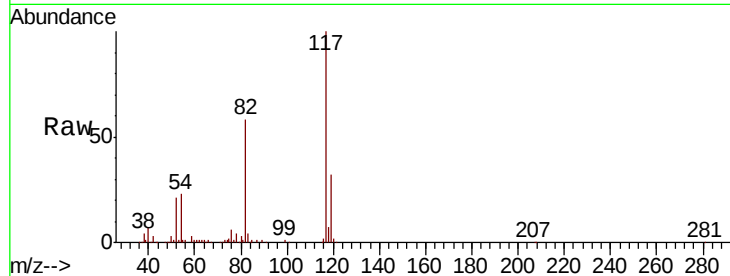




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060520.D
Acq: 16 Mar 2020 14:06

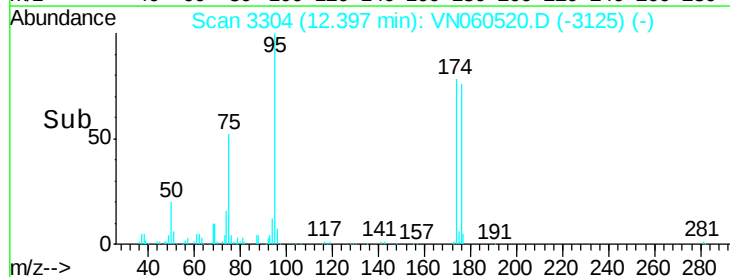
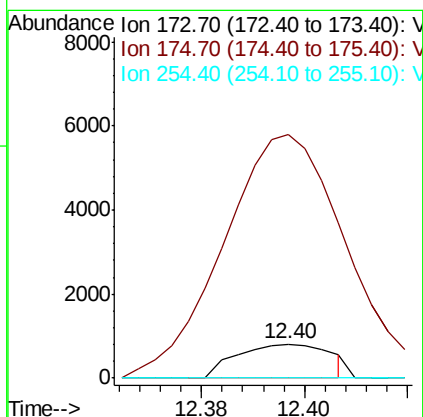
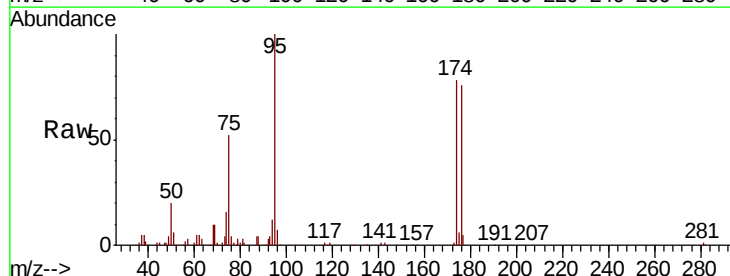
Instrument :
MSVOA_N
ClientSampleId :
TR-04-031220

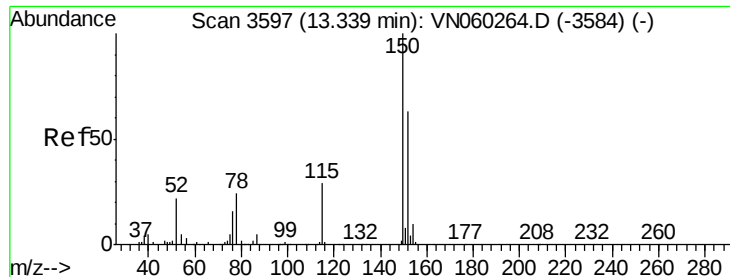
Tot Ion:117 Resp: 330184
Ion Ratio Lower Upper
117 100
82 58.5 45.8 68.6
119 32.1 25.8 38.8



#71
Bromoform
Concen: 0.571 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060520.D
Acq: 16 Mar 2020 14:06

Tgt Ion:173 Resp: 1014
Ion Ratio Lower Upper
173 100
175 809.3 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

TR-04-031220

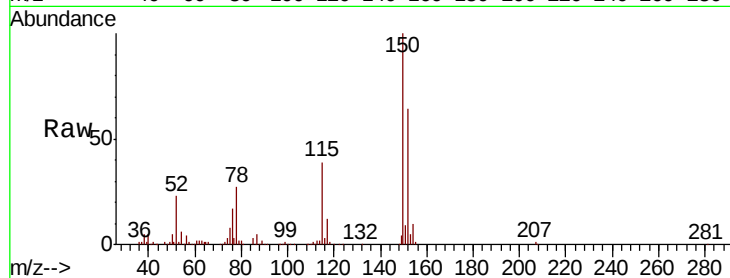
Tot Ion:152 Resp: 144905

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

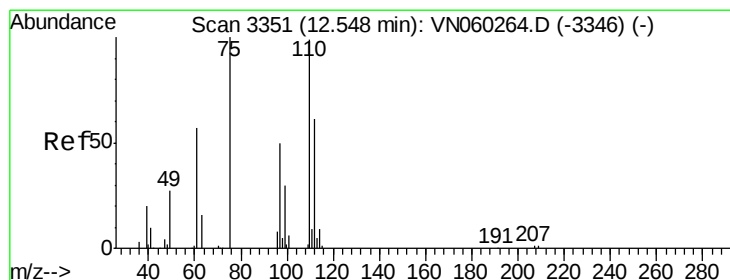
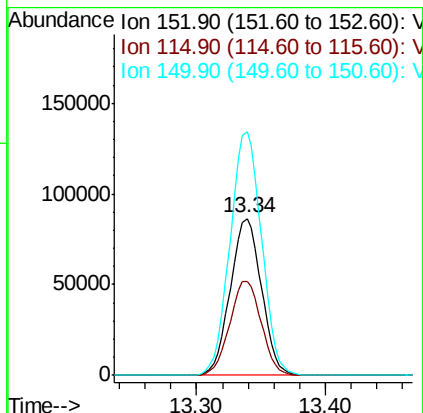
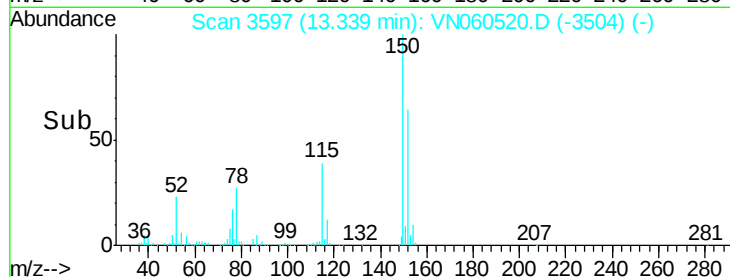
150 157.3 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 25.847 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060520.D

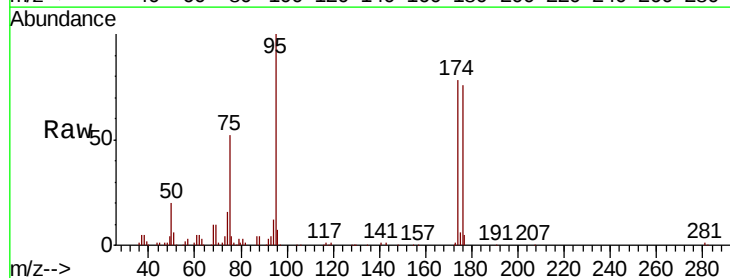
Acq: 16 Mar 2020 14:06

Tgt Ion: 75 Resp: 82173

Ion Ratio Lower Upper

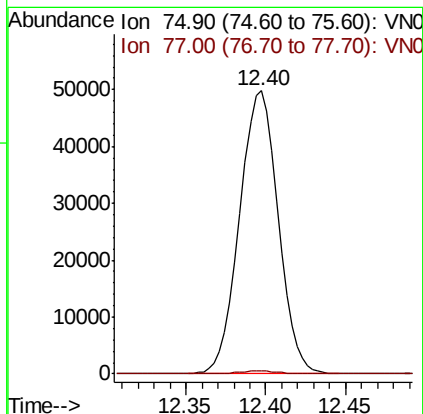
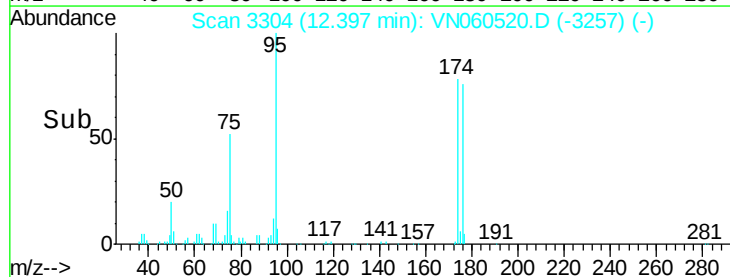
75 100

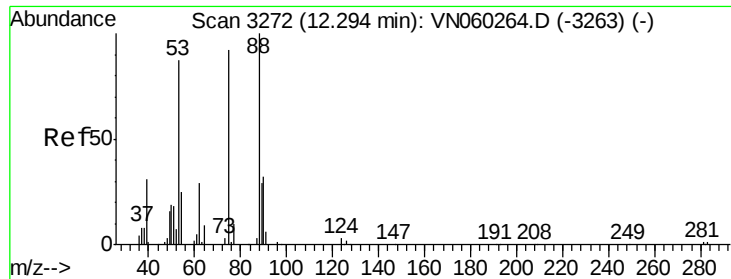
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.350 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

TR-04-031220

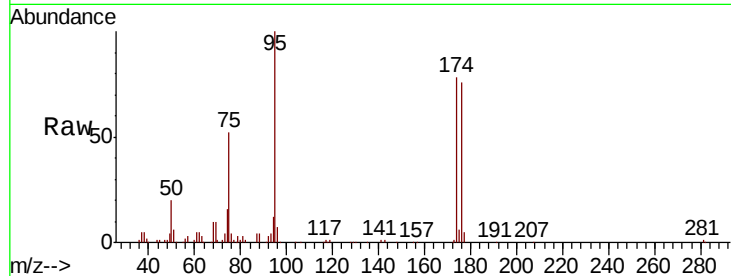
Tot Ion: 75 Resp: 82173

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

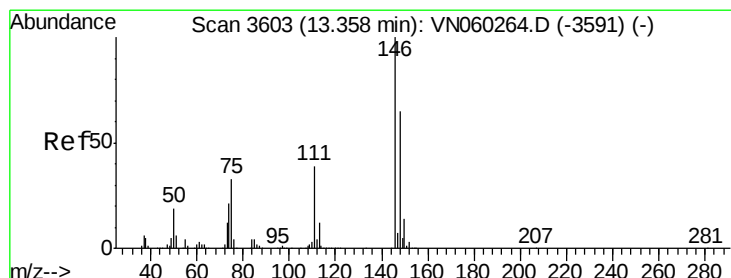
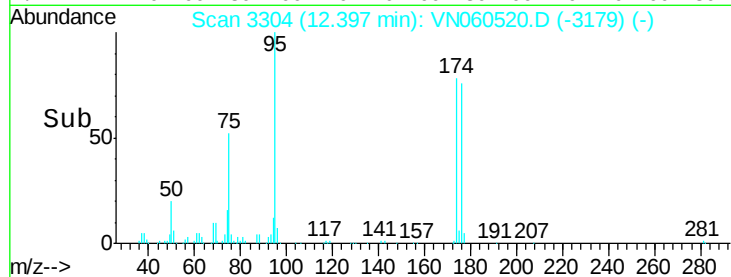
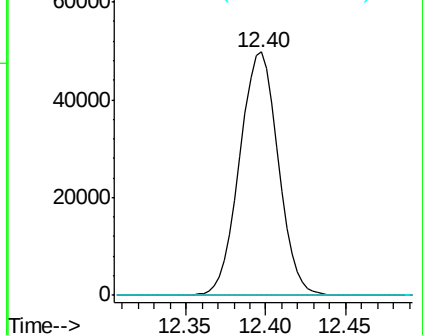
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060520.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060520.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060520.D (-3179) (-)



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060520.D

Acq: 16 Mar 2020 14:06

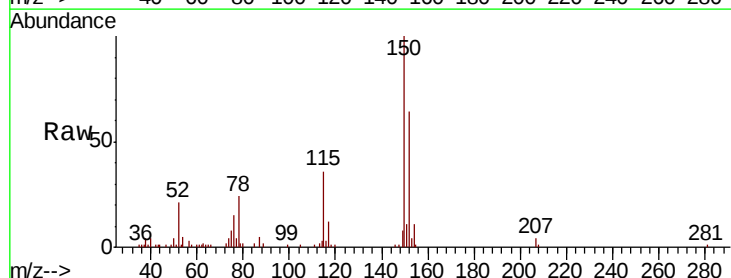
Tgt Ion: 146 Resp: 290

Ion Ratio Lower Upper

146 100

111 710.3 19.8 59.4#

148 221.0 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): VN060520.D (-3510) (-)

Ion 110.90 (110.60 to 111.60): VN060520.D (-3510) (-)

Ion 147.90 (147.60 to 148.60): VN060520.D (-3510) (-)

