

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060413.D
 Acq On : 10 Mar 2020 13:53
 Operator : JC/MD
 Sample : L1857-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Quant Time: Mar 11 06:40:27 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	204662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139388	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	131180	49.96	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.57	113	98718	63.79	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	409467	52.28	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	150421	50.66	ug/l	0.00
Spiked Amount						

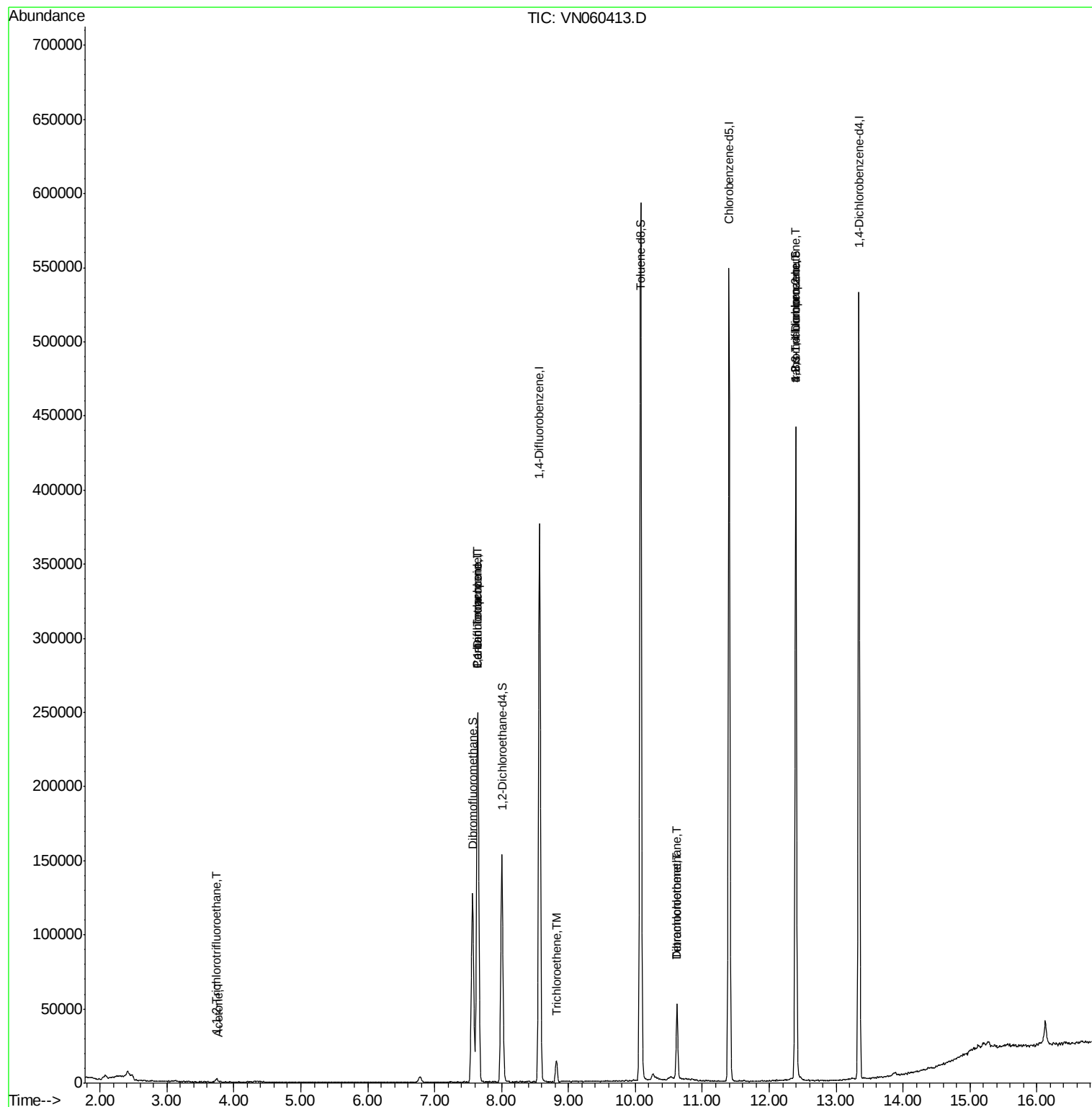
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1605	0.792	ug/l	98
16) Acetone	3.78	43	231	0.272	ug/l #	44
31) Cyclohexane	7.65	56	4284	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15860	4.991	ug/l #	49
38) Carbon Tetrachloride	7.64	117	20157	6.516	ug/l #	17
44) Trichloroethene	8.82	130	5692	2.210	ug/l	99
60) Dibromochloromethane	10.62	129	10762	4.530	ug/l #	10
64) Tetrachloroethene	10.62	164	12024	3.601	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	76222	24.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76222	68.802	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	64	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	102	Below Cal	#	1
95) Naphthalene	15.13	128	503	Below Cal	#	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

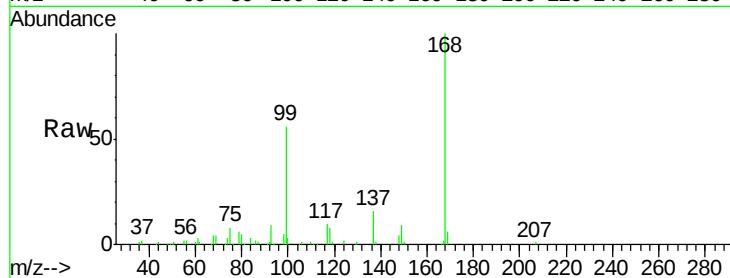
MW-2DL

Tgt Ion:168 Resp: 204662

Ion Ratio Lower Upper

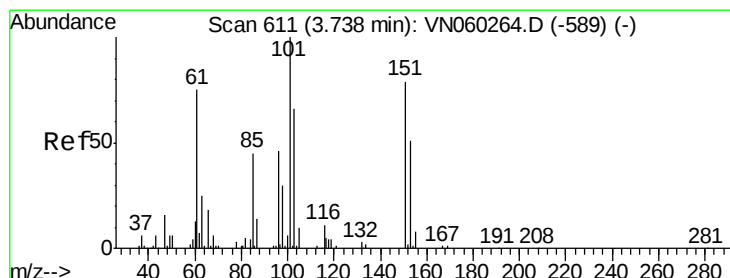
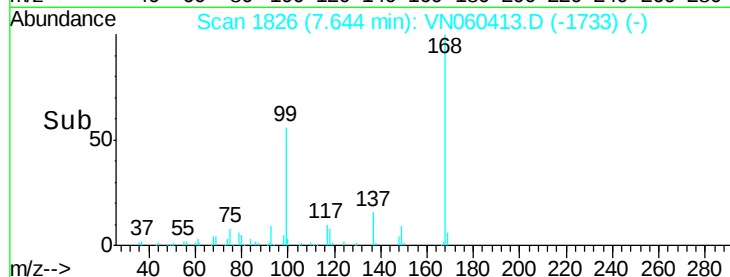
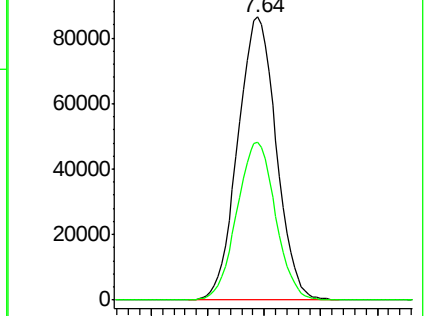
168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.792 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

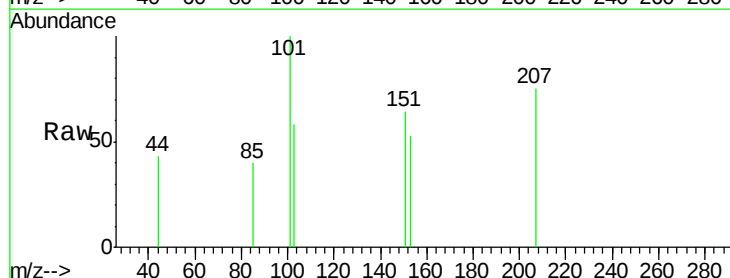
Tgt Ion:101 Resp: 1605

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.2

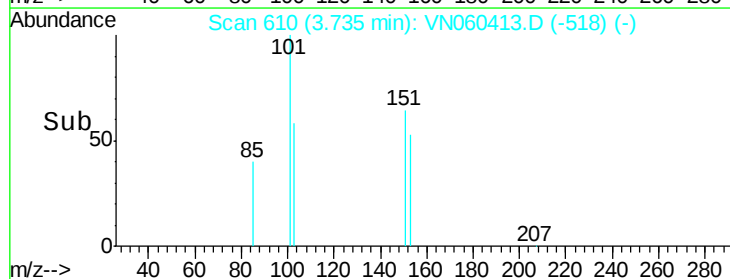
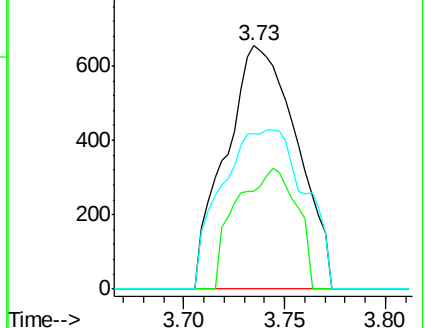
151 75.8 62.0 93.0

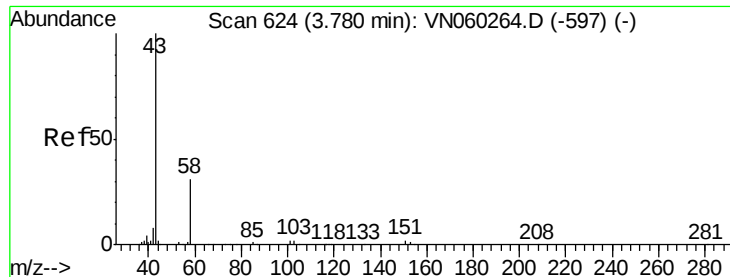


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





#16

Acetone

Concen: 0.272 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampled :

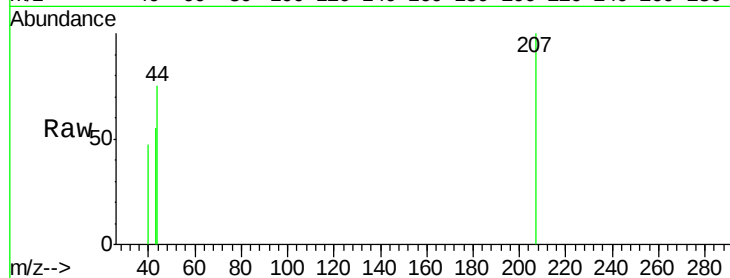
MW-2DL

Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

200

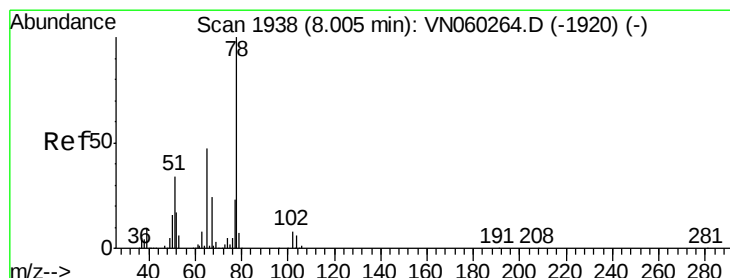
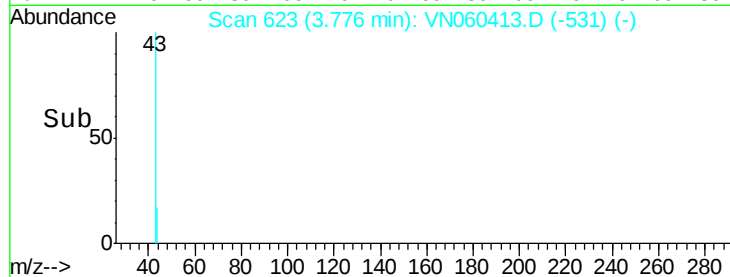
150

100

50

0

Time--> 3.76 3.77 3.78 3.79



#33

1,2-Dichloroethane-d4

Concen: 49.957 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060413.D

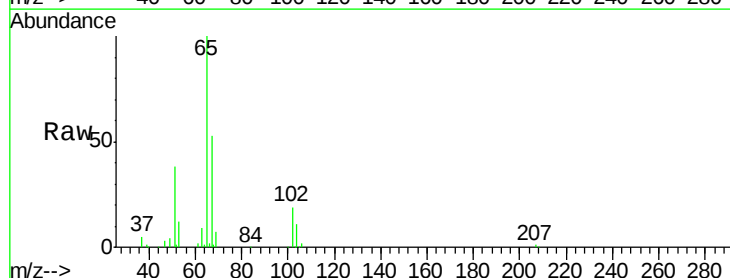
Acq: 10 Mar 2020 13:53

Tgt Ion: 65 Resp: 131180

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

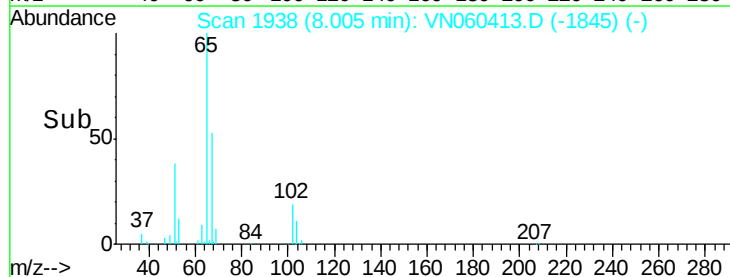
30000

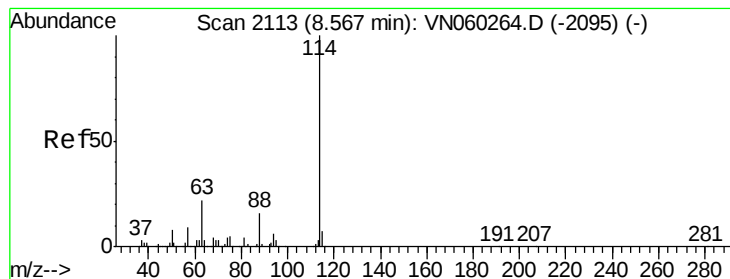
20000

10000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

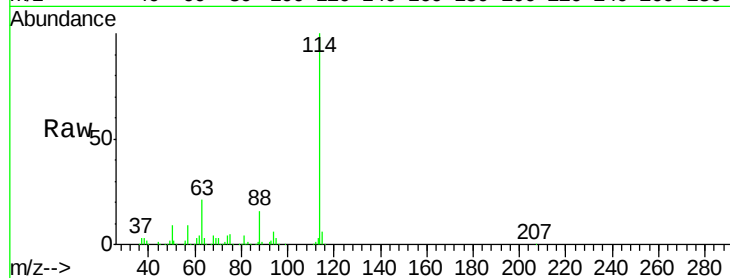
Tgt Ion:114 Resp: 333403

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

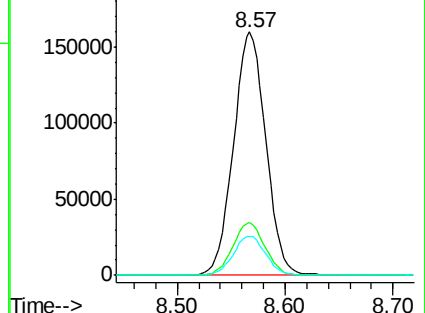
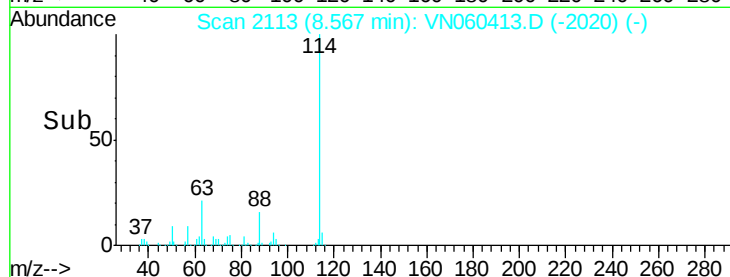
88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 63.790 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

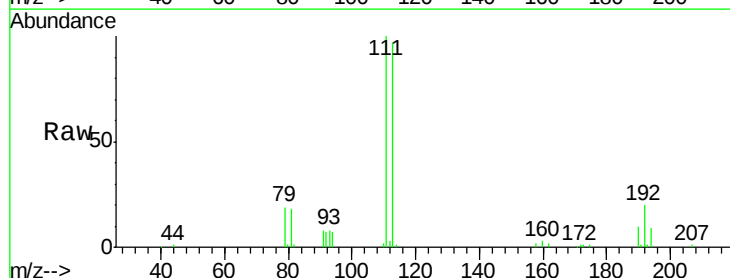
Tgt Ion:113 Resp: 98718

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

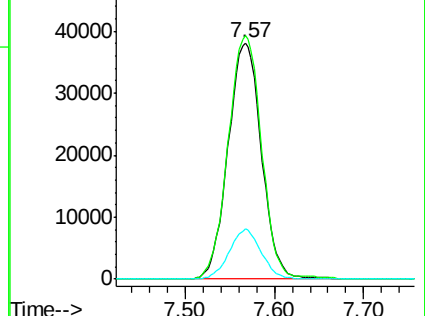
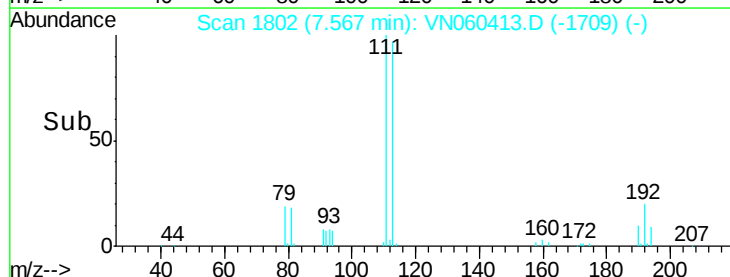
192 20.1 16.2 24.2

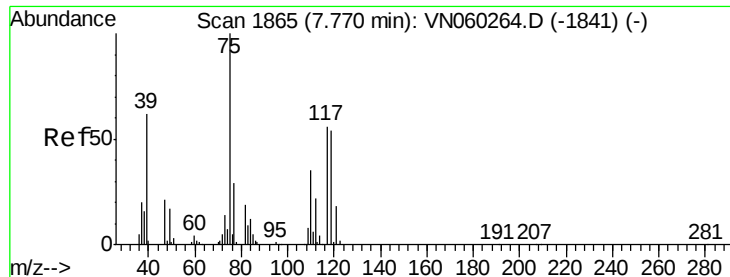


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

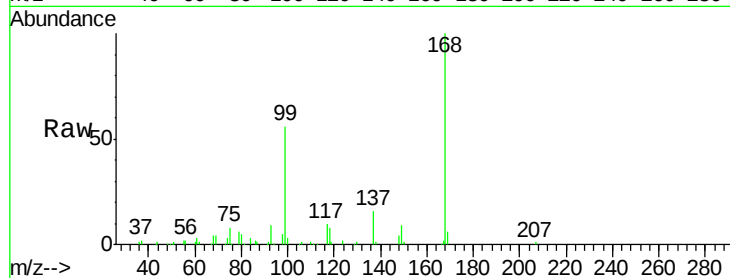
Tgt Ion: 75 Resp: 15860

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

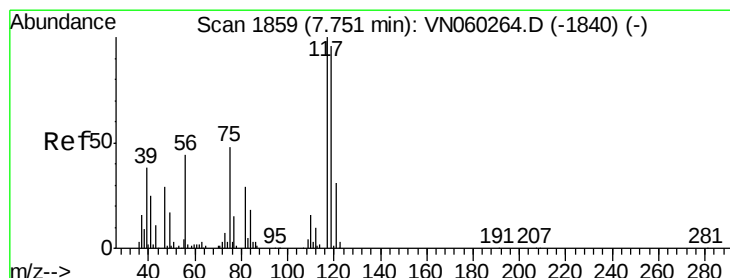
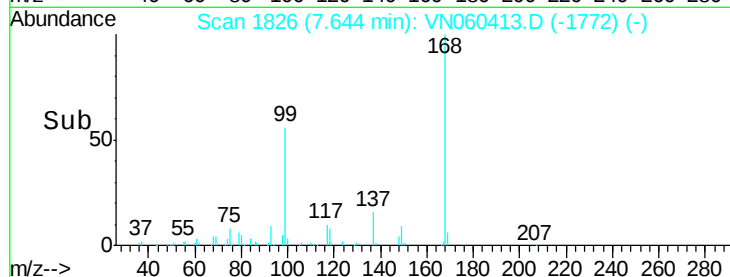
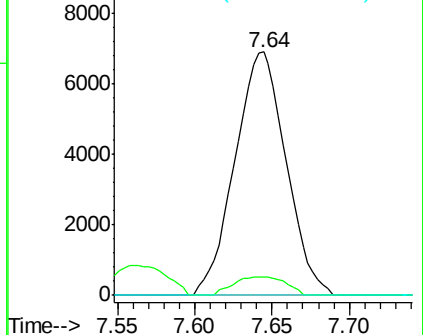
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060413.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060413.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060413.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

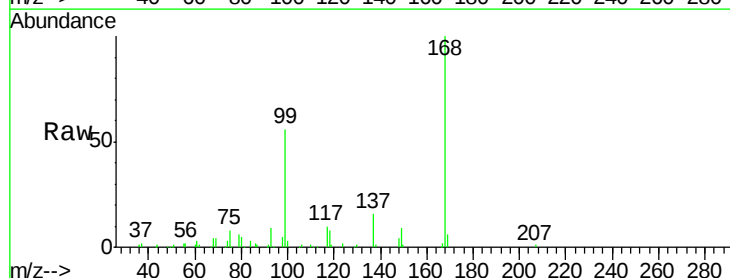
Tgt Ion: 117 Resp: 20157

Ion Ratio Lower Upper

117 100

119 6.0 76.7 115.1#

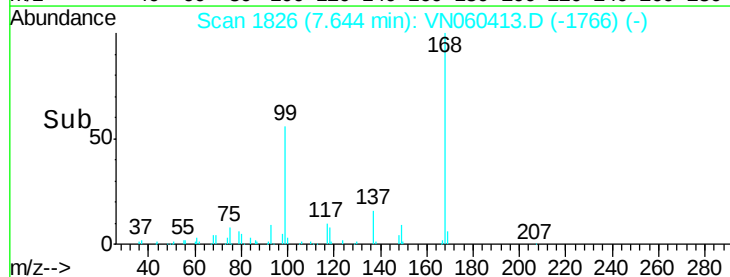
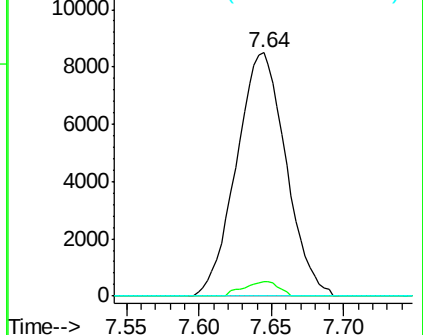
121 0.0 24.5 36.7#

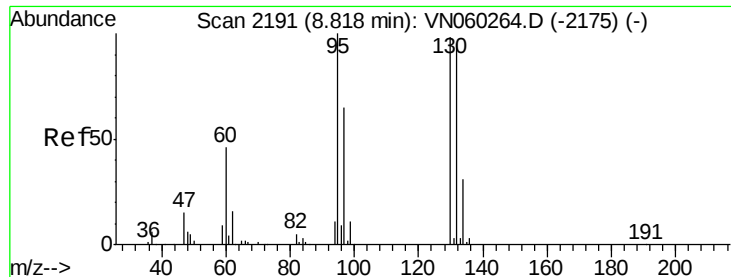


Abundance Ion 116.80 (116.50 to 117.50): VN060413.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060413.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060413.D (-1766) (-)





#44

Trichloroethene

Concen: 2.210 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

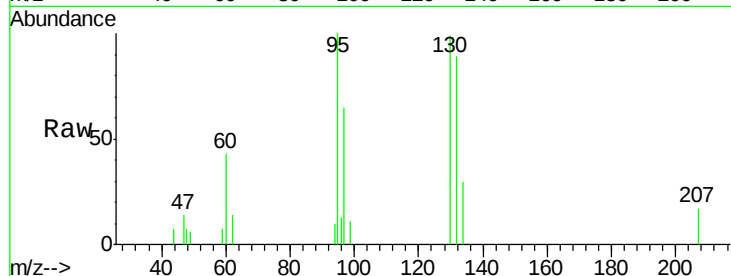
MW-2DL

Tgt Ion:130 Resp: 5692

Ion Ratio Lower Upper

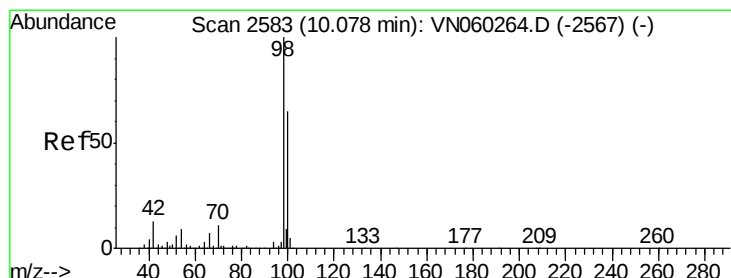
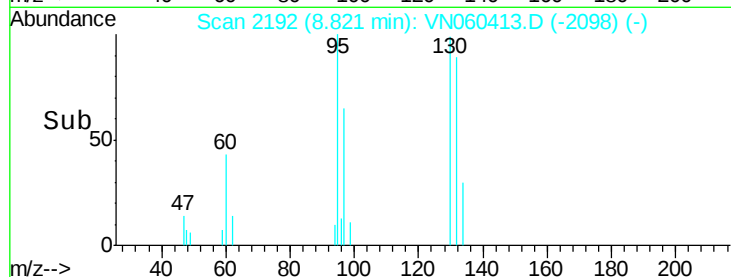
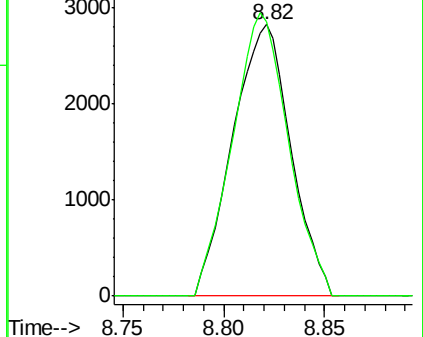
130 100

95 101.0 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060413.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060413.D (-2098) (-)



#50

Toluene-d8

Concen: 52.279 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060413.D

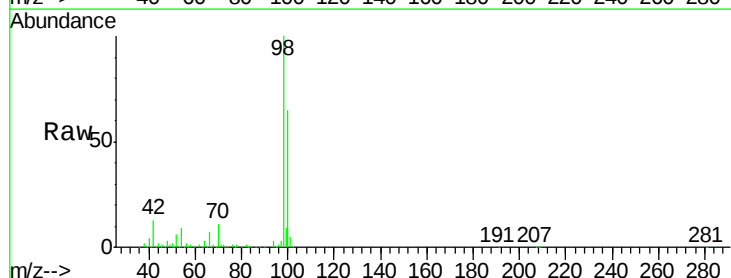
Acq: 10 Mar 2020 13:53

Tgt Ion: 98 Resp: 409467

Ion Ratio Lower Upper

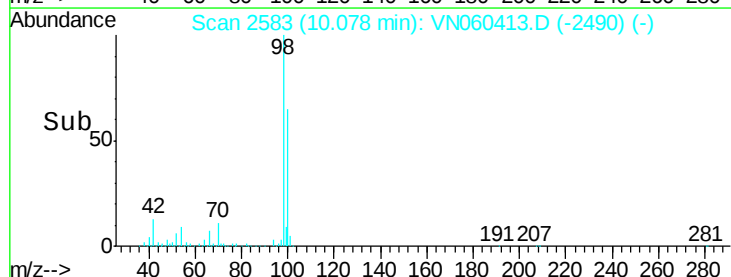
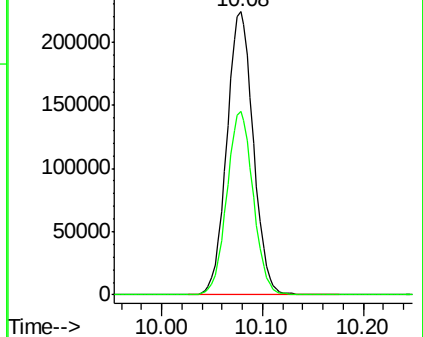
98 100

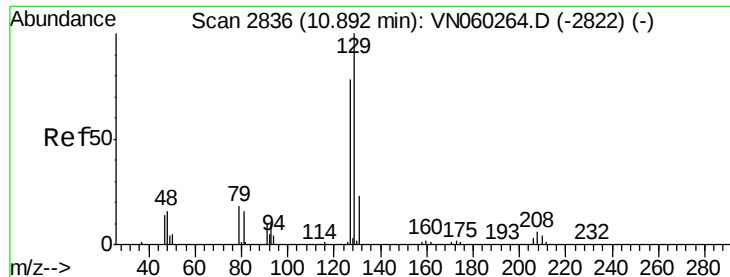
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060413.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060413.D (-2490) (-)





#60

Dibromochloromethane

Concen: 4.530 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.27 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

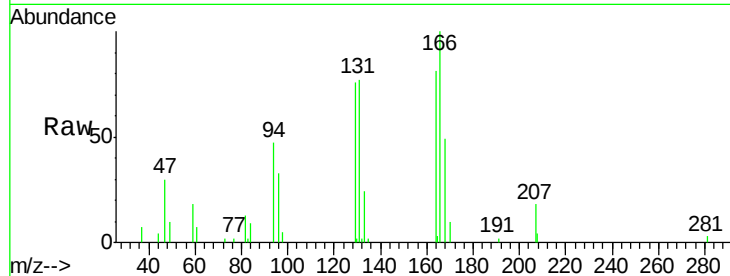
MW-2DL

Tgt Ion:129 Resp: 10762

Ion Ratio Lower Upper

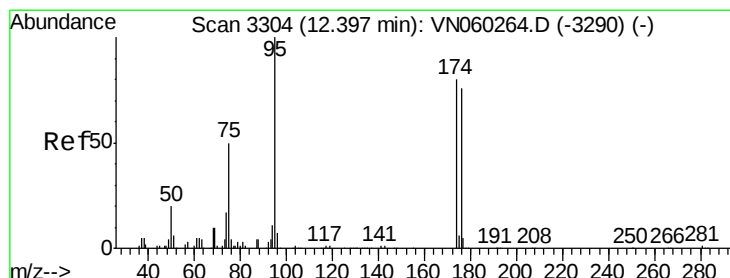
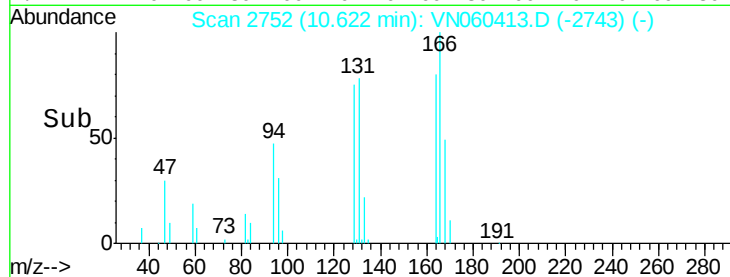
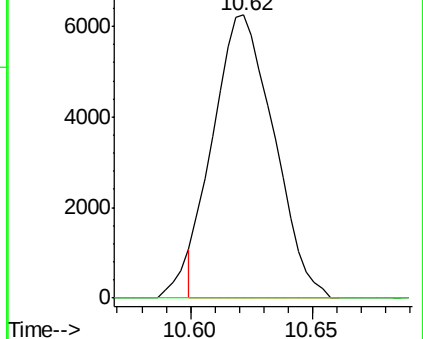
129 100

127 0.0 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: 50.663 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

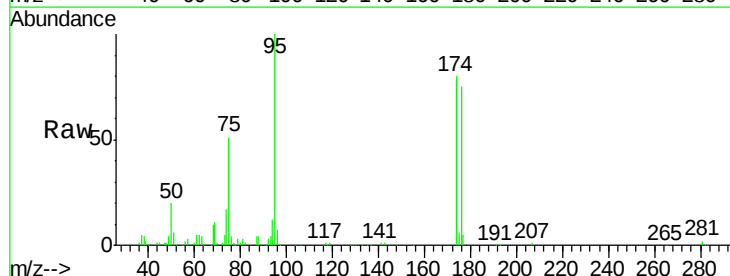
Tgt Ion: 95 Resp: 150421

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

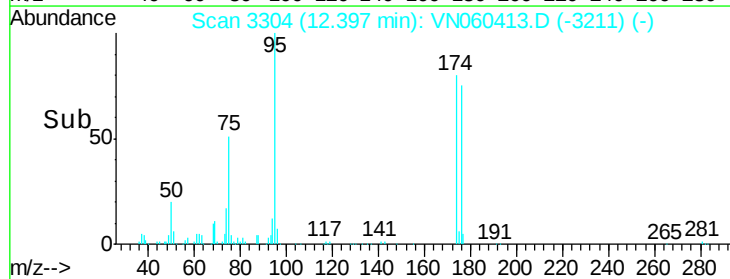
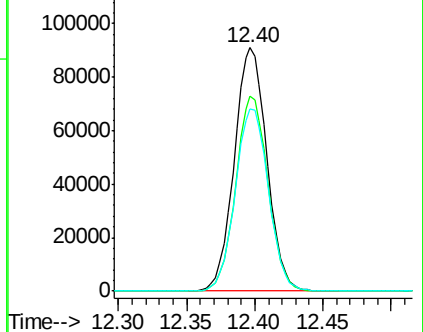
176 76.5 0.0 153.8

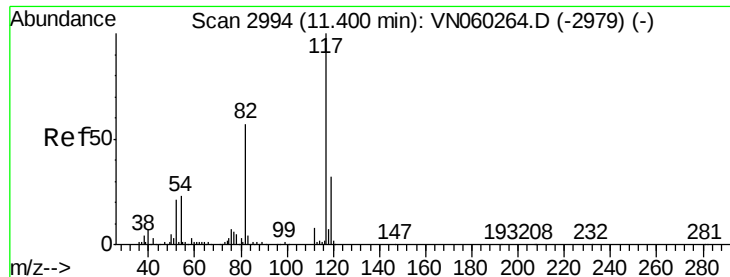


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

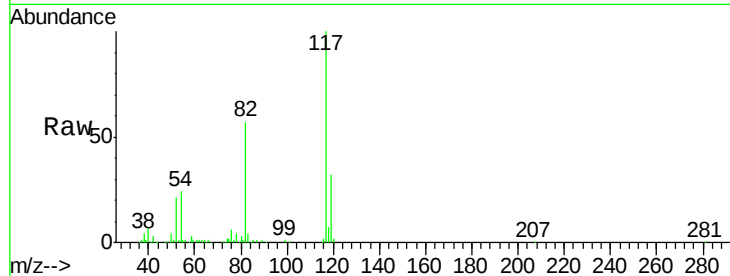




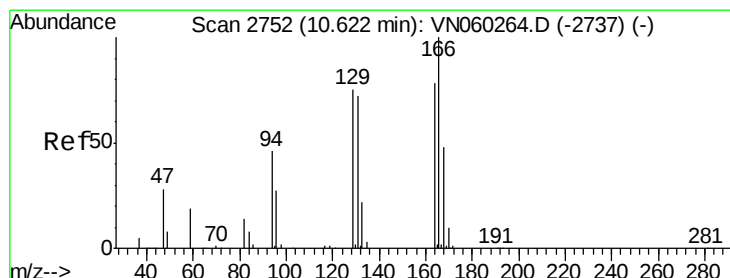
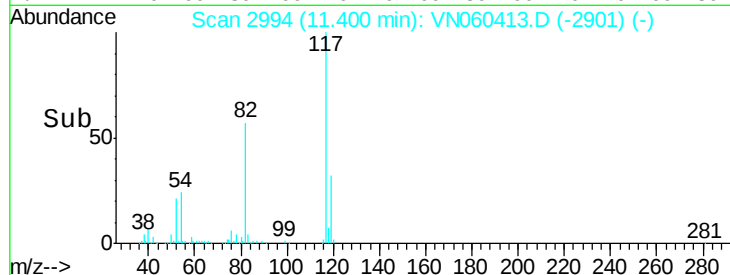
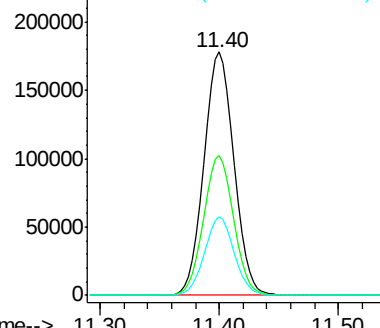
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060413.D
Acq: 10 Mar 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:117 Resp: 310799
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.3 25.8 38.8



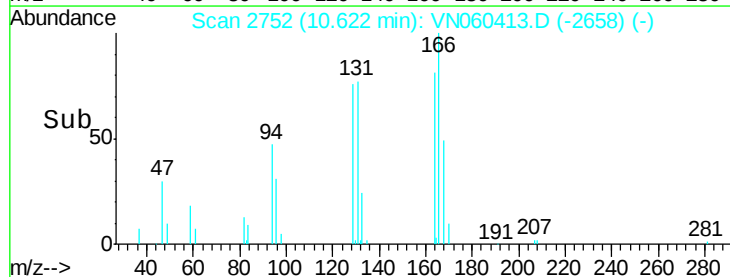
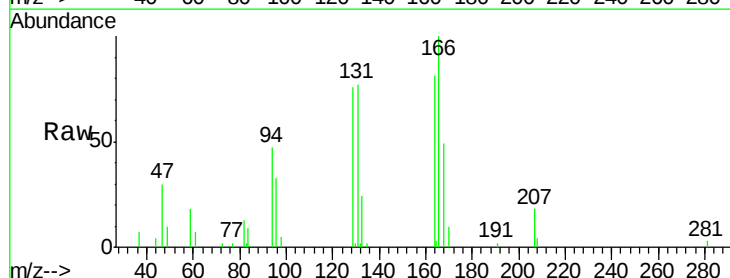
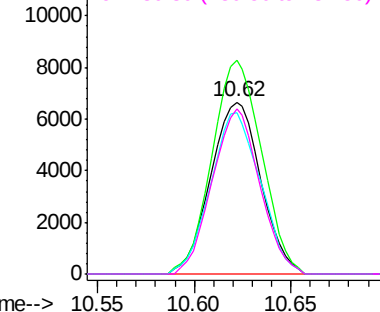
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

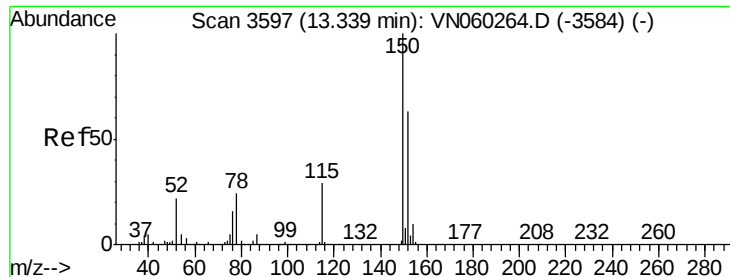


#64
Tetrachloroethene
Concen: 3.601 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060413.D
Acq: 10 Mar 2020 13:53

Tgt Ion:164 Resp: 12024
Ion Ratio Lower Upper
164 100
166 124.1 102.0 153.0
129 93.8 76.4 114.6
131 96.2 73.6 110.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

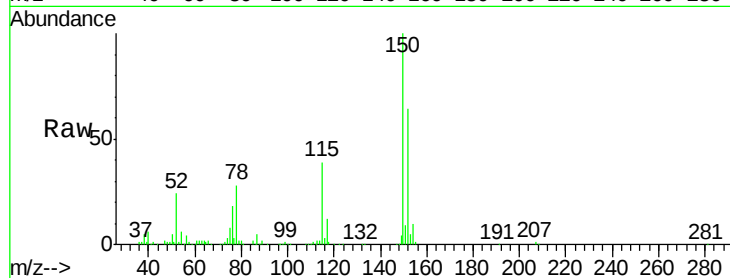
Tgt Ion:152 Resp: 139388

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

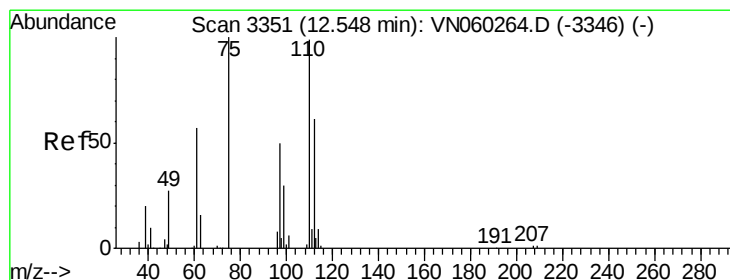
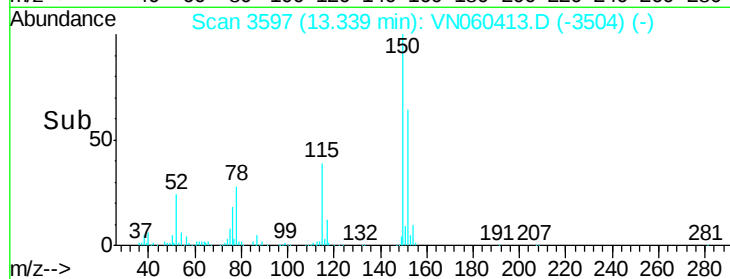
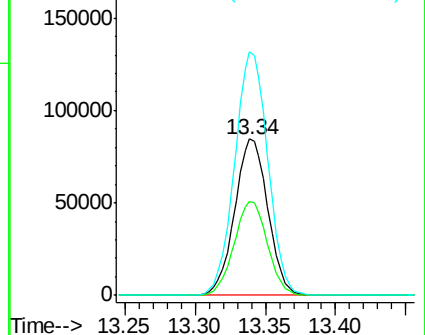
150 156.2 0.0 349.6



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: 24.924 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060413.D

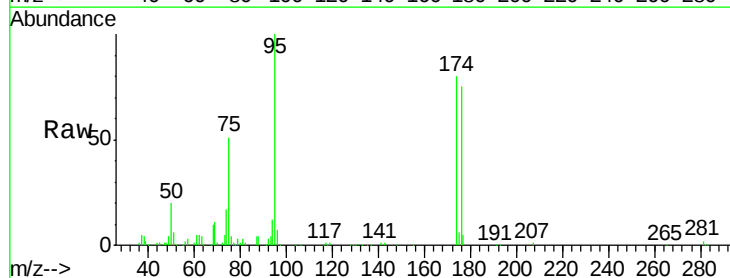
Acq: 10 Mar 2020 13:53

Tgt Ion: 75 Resp: 76222

Ion Ratio Lower Upper

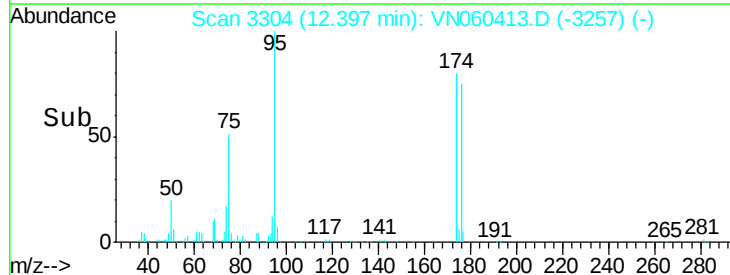
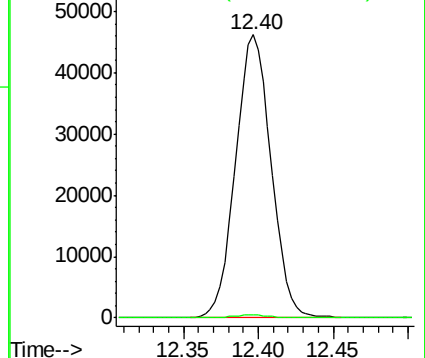
75 100

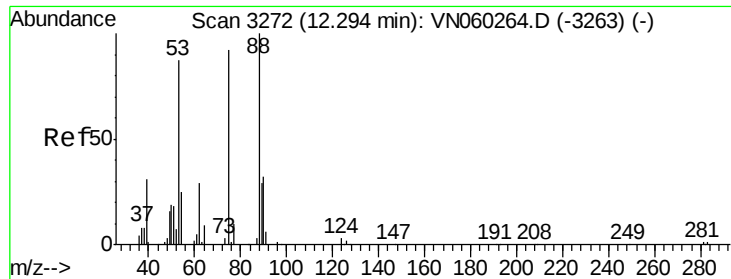
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 68.802 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

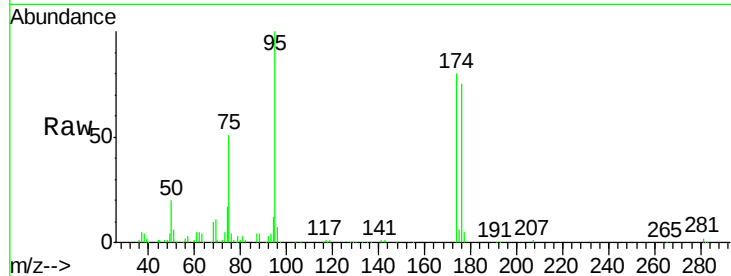
Tgt Ion: 75 Resp: 76222

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



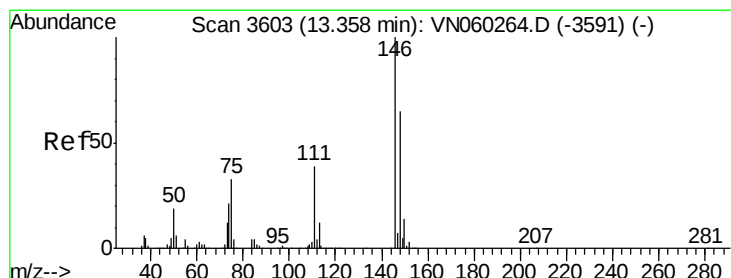
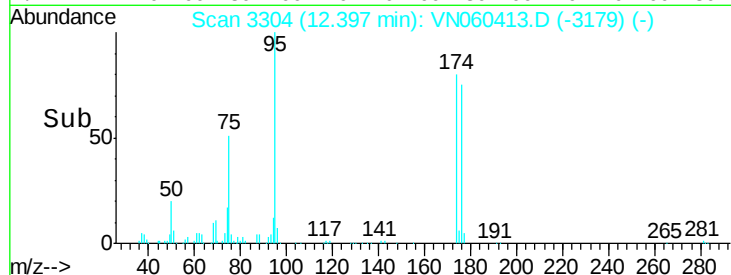
Abundance Ion 74.90 (74.60 to 75.60): VN060413.D (-3304) (-)

Ion 53.00 (52.70 to 53.70): VN060413.D (-3304) (-)

Ion 88.90 (88.60 to 89.60): VN060413.D (-3304) (-)

Time-->

12.35 12.40 12.45



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060413.D

Acq: 10 Mar 2020 13:53

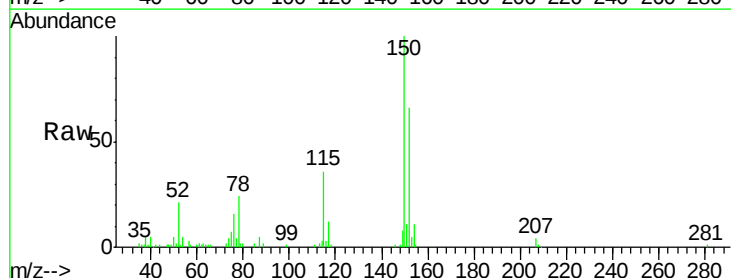
Tgt Ion: 146 Resp: 102

Ion Ratio Lower Upper

146 100

111 1850.0 19.8 59.4#

148 637.3 32.3 96.9#



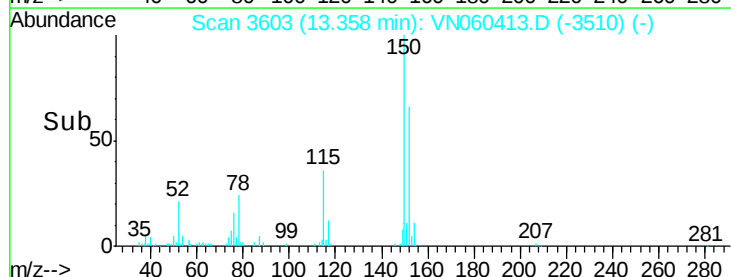
Abundance Ion 145.90 (145.60 to 146.60): VN060413.D (-3603) (-)

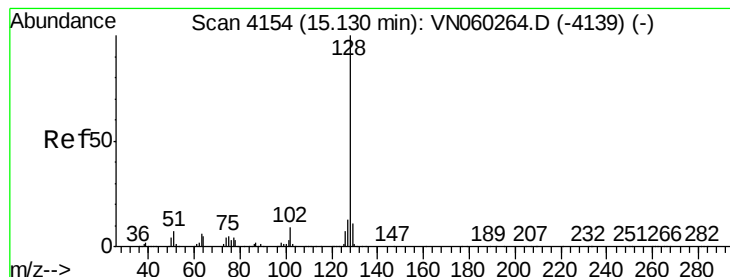
Ion 110.90 (110.60 to 111.60): VN060413.D (-3603) (-)

Ion 147.90 (147.60 to 148.60): VN060413.D (-3603) (-)

Time-->

13.34 13.35 13.36 13.37

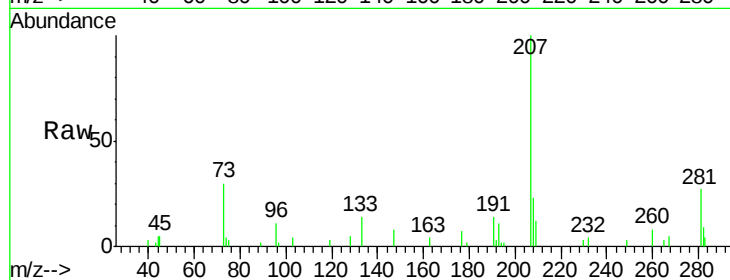




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060413.D
Acq: 10 Mar 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

