

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060545.D
 Acq On : 17 Mar 2020 10:32
 Operator : JC/MD
 Sample : VN0317WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

Quant Time: Mar 18 06:40:43 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	207313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	347421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	320819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138334	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	135319	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	7.56	113	101965	63.23	ug/l	0.00
Spiked Amount			Recovery	=	126.46%	
50) Toluene-d8	10.08	98	423296	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.40	95	154128	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

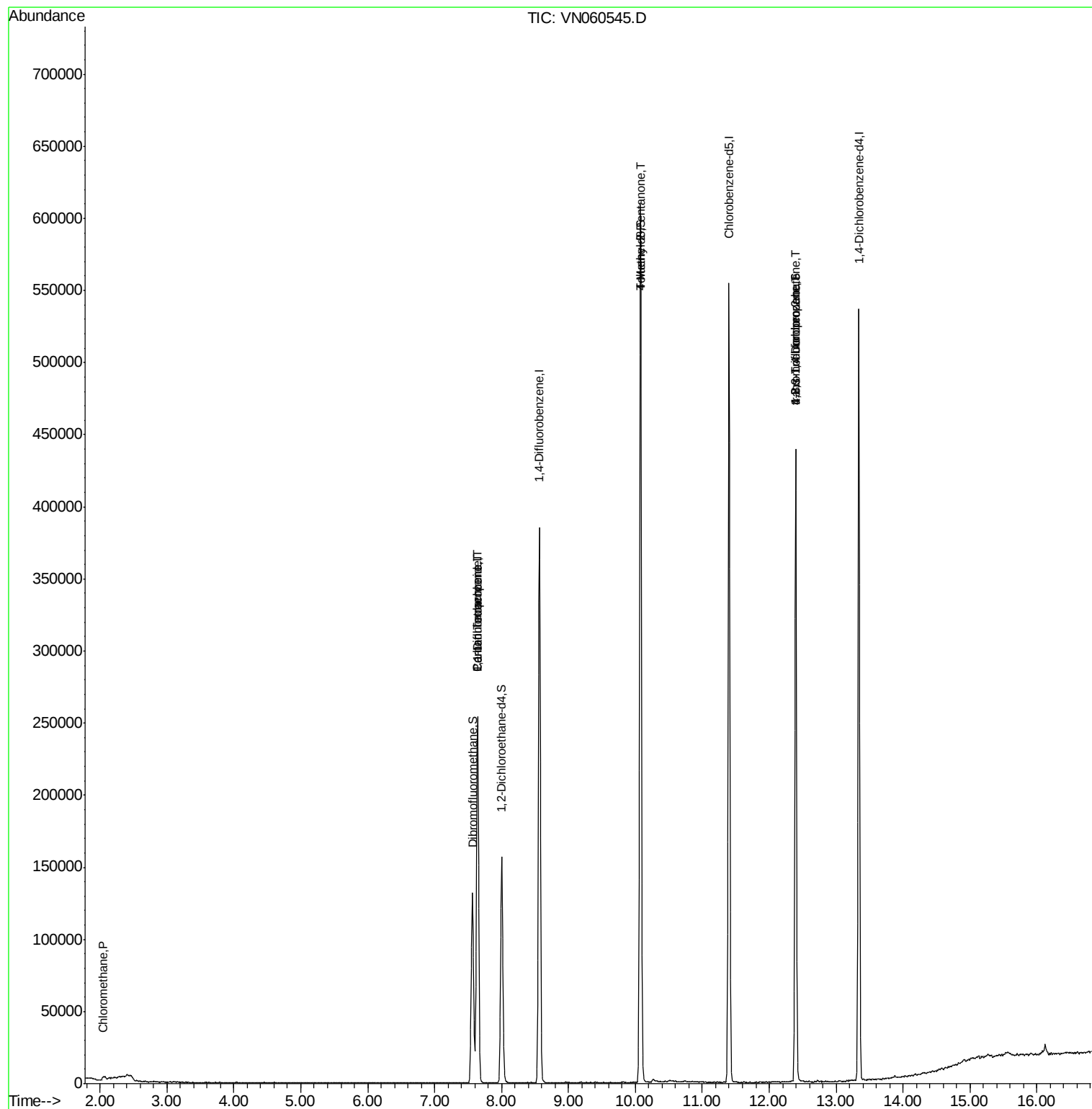
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1142	0.345	ug/l	94
17) Carbon Disulfide	4.02	76	241	Below Cal	#	75
31) Cyclohexane	7.64	56	4353	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16059	4.850	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19535	6.060	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	1991	0.640	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	77414	25.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77414	70.410	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	172	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.35	146	301	Below Cal	#	1
95) Naphthalene	15.13	128	1441	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	286	Below Cal	#	64

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

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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# 1825

Delta R.T. -0.00 min

Lab File: VN060545.D

Acq: 17 Mar 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

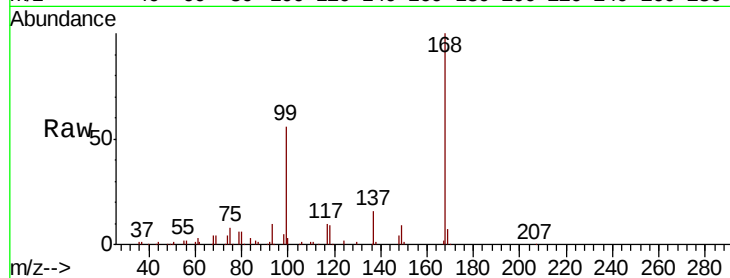
VN0317WBL01

Tot Ion:168 Resp: 207313

Ion Ratio Lower Upper

168 100

99 56.2 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

80000

60000

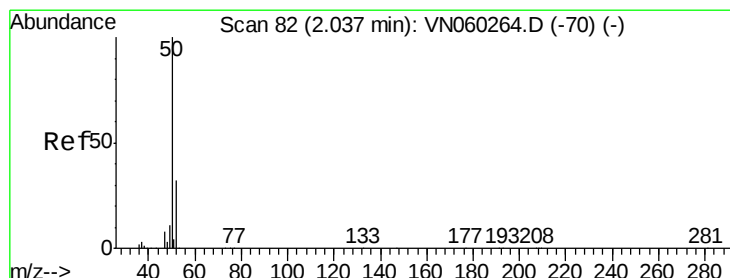
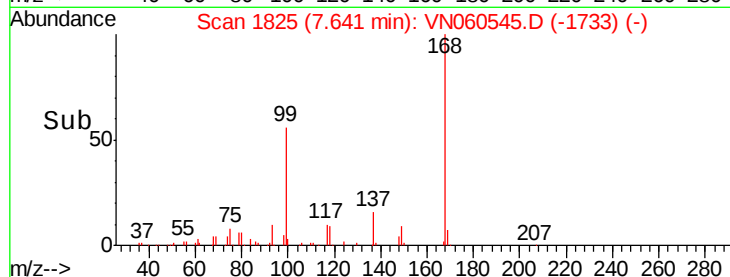
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.345 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060545.D

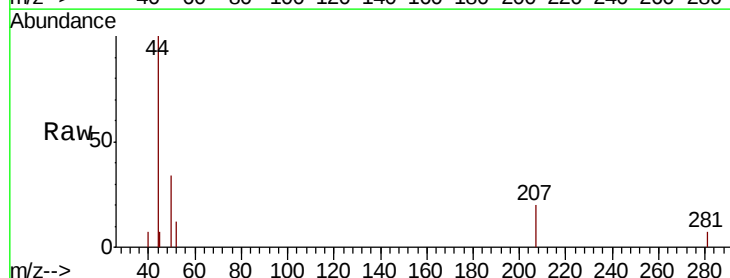
Acq: 17 Mar 2020 10:32

Tgt Ion: 50 Resp: 1142

Ion Ratio Lower Upper

50 100

52 35.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

600

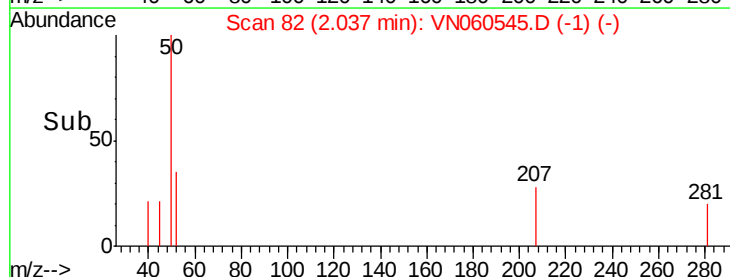
400

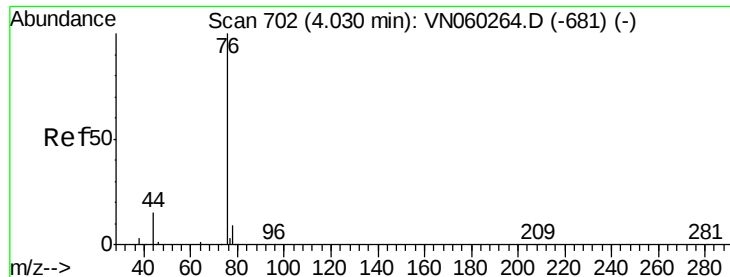
200

0

2.00 2.02 2.04 2.06

Time-->

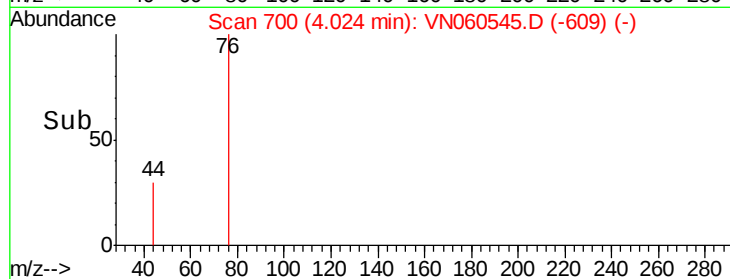
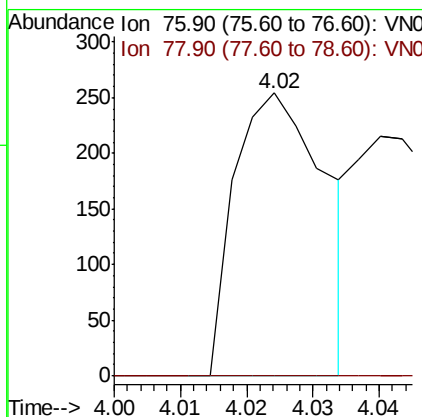
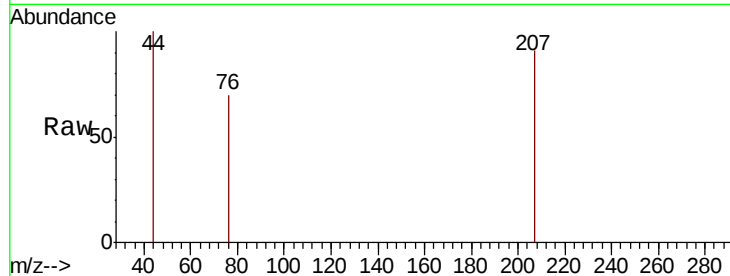




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN060545.D
Acq: 17 Mar 2020 10:32

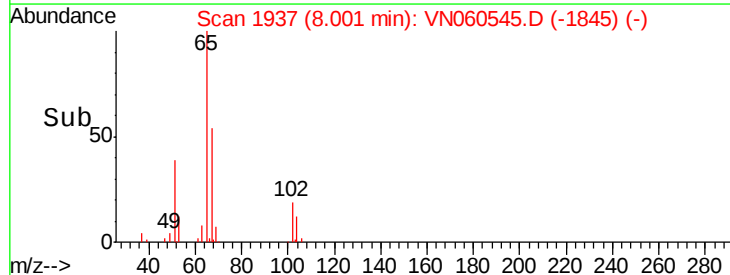
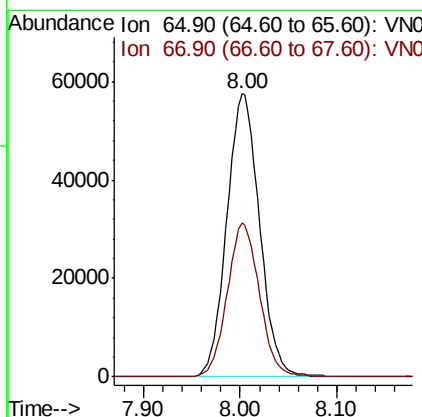
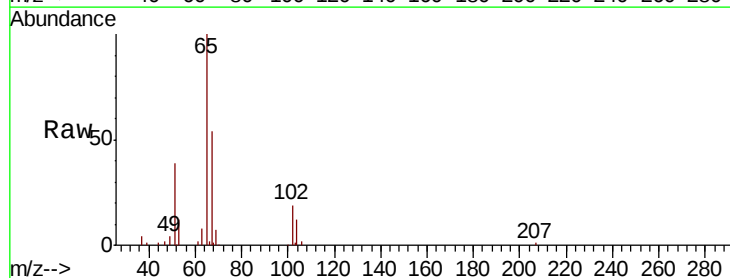
Instrument :
MSVOA_N
ClientSampleId :
VN0317WBL01

Tot Ion: 76 Resp: 241
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#33
1,2-Dichloroethane-d4
Concen: 50.875 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060545.D
Acq: 17 Mar 2020 10:32

Tgt Ion: 65 Resp: 135319
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.8

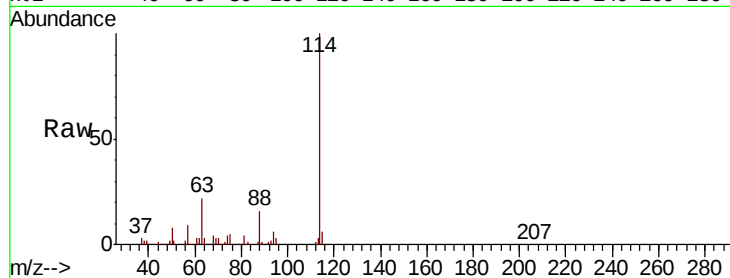




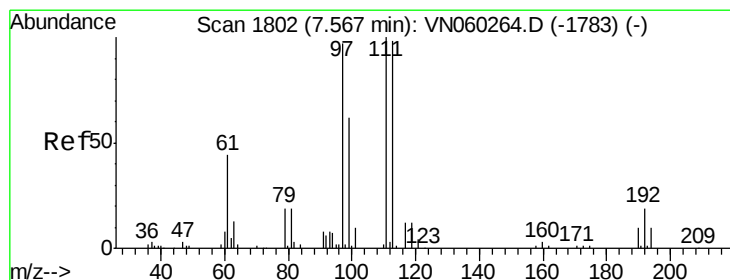
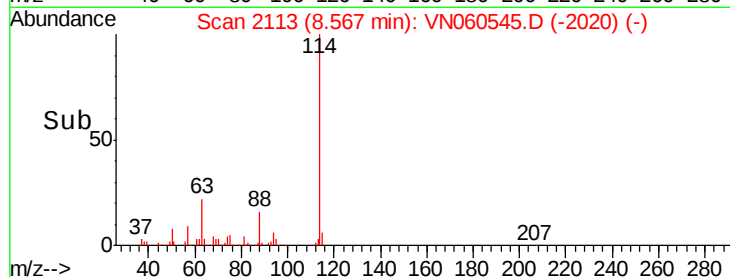
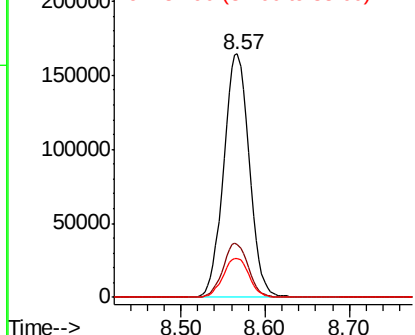
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060545.D
Acq: 17 Mar 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBL01

Tot Ion:114 Resp: 347421
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.2
88 16.1 0.0 31.6

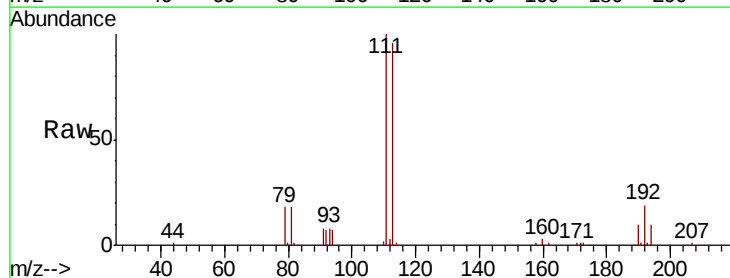


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

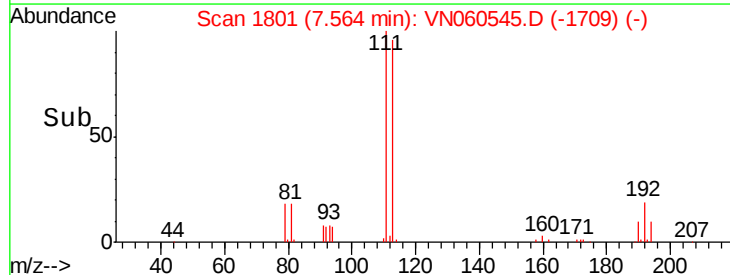
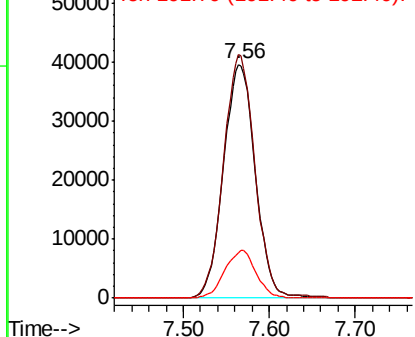


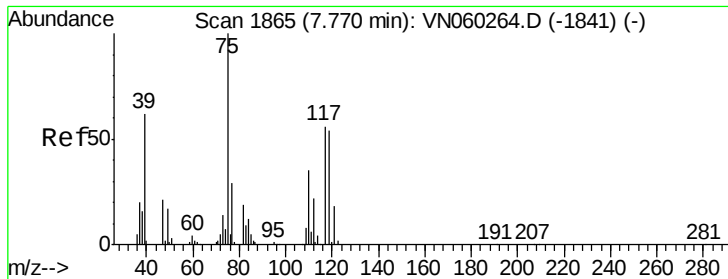
#35
Dibromofluoromethane
Concen: 63.230 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060545.D
Acq: 17 Mar 2020 10:32

Tgt Ion:113 Resp: 101965
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 19.9 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: 4.850 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060545.D

Acq: 17 Mar 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

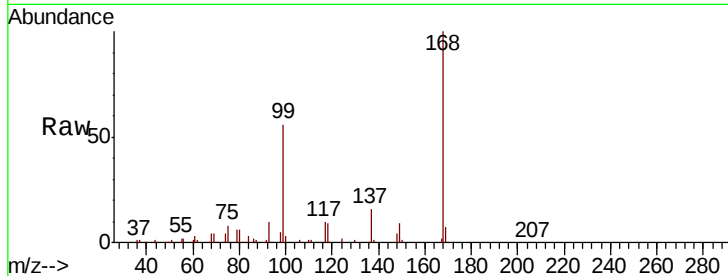
Tot Ion: 75 Resp: 16059

Ion Ratio Lower Upper

75 100

110 7.3 17.3 52.0#

77 0.0 24.2 36.2#

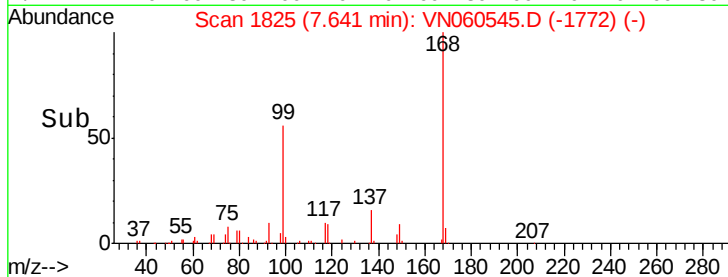


Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-1841) (-)

Ion 109.90 (109.60 to 110.60): VN060264.D (-1841) (-)

Ion 76.90 (76.60 to 77.60): VN060264.D (-1841) (-)

Time-->

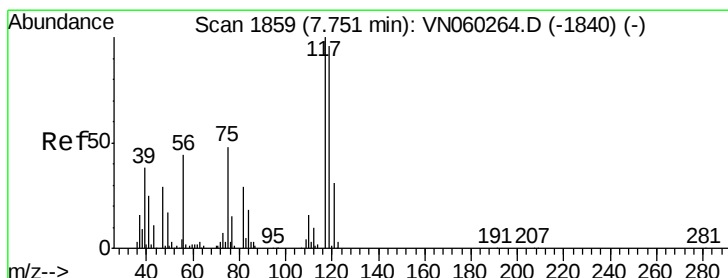


Abundance Ion 74.90 (74.60 to 75.60): VN060545.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060545.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060545.D (-1772) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.060 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060545.D

Acq: 17 Mar 2020 10:32

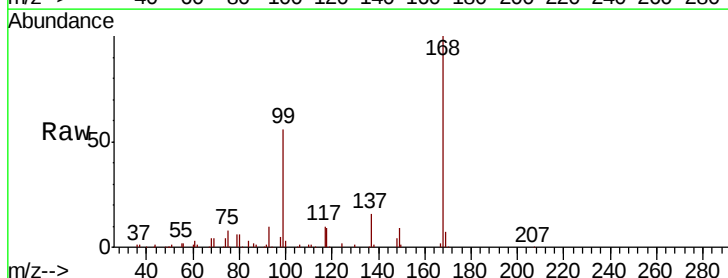
Tgt Ion: 117 Resp: 19535

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

121 0.0 24.5 36.7#

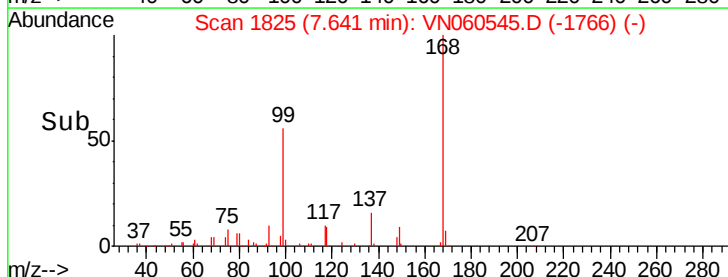


Abundance Ion 116.80 (116.50 to 117.50): VN060264.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN060264.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN060264.D (-1840) (-)

Time-->

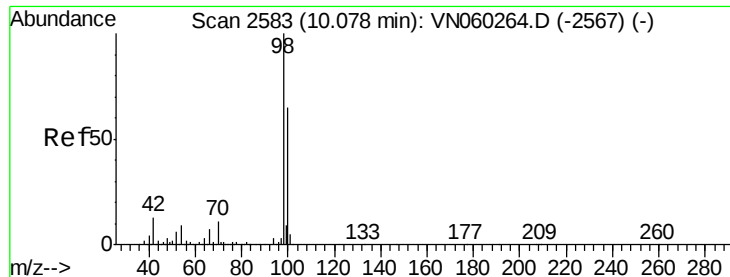


Abundance Ion 116.80 (116.50 to 117.50): VN060545.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060545.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060545.D (-1766) (-)

Time-->



#50

Toluene-d8

Concen: 51.864 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060545.D

Acq: 17 Mar 2020 10:32

Instrument :

MSVOA_N

ClientSampled :

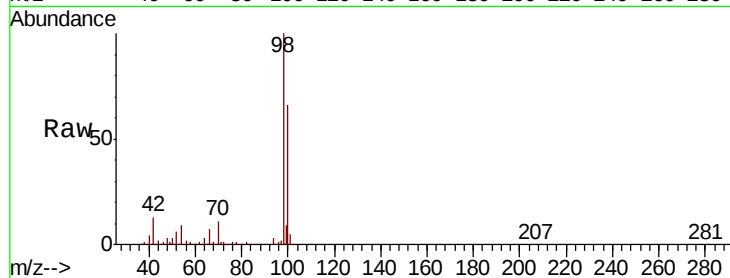
VN0317WBL01

Tot Ion: 98 Resp: 423296

Ion Ratio Lower Upper

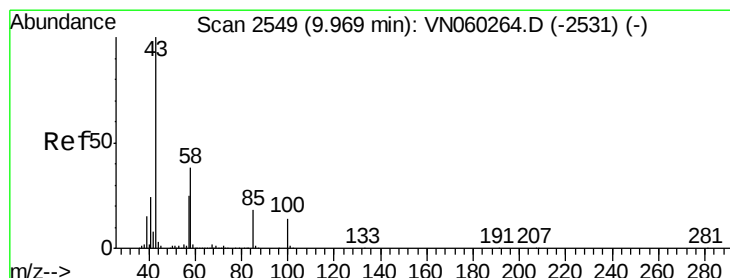
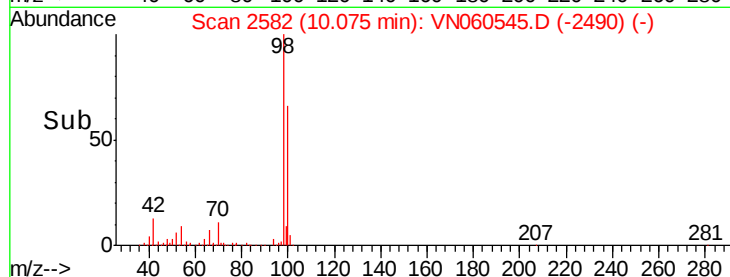
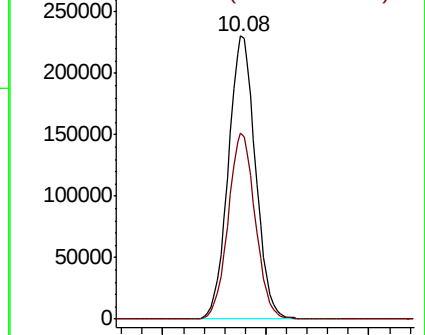
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.640 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.10 min

Lab File: VN060545.D

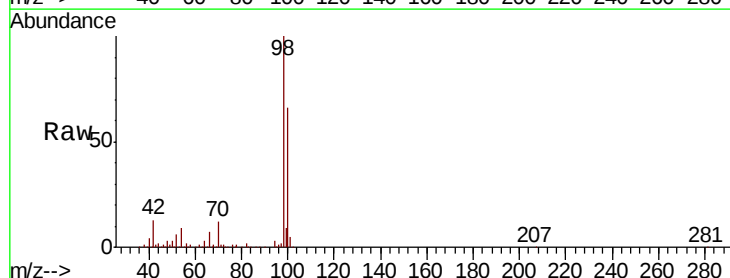
Acq: 17 Mar 2020 10:32

Tgt Ion: 43 Resp: 1991

Ion Ratio Lower Upper

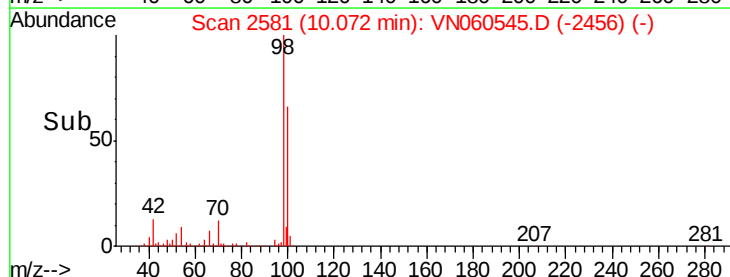
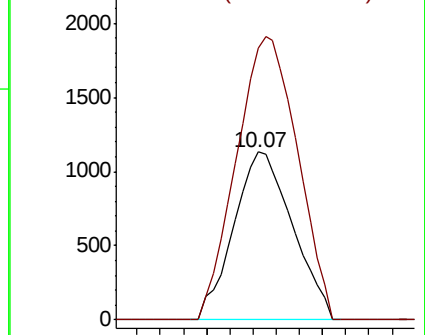
43 100

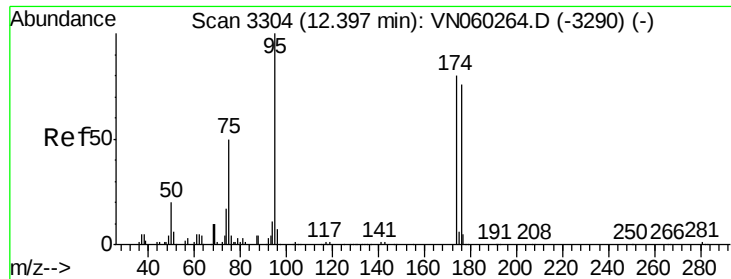
58 175.4 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

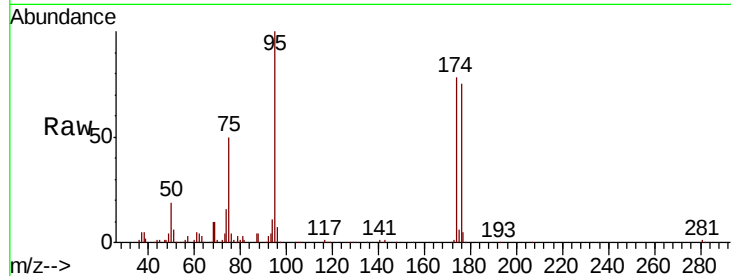




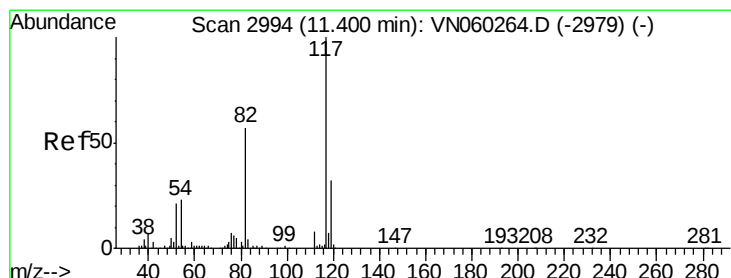
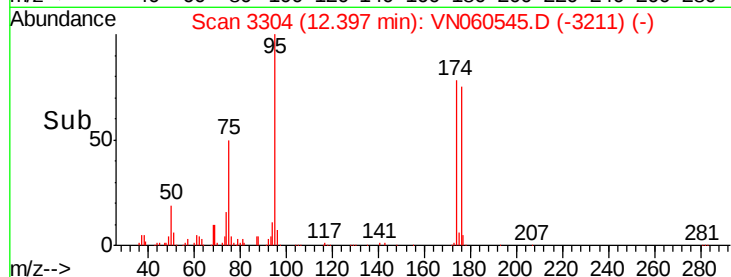
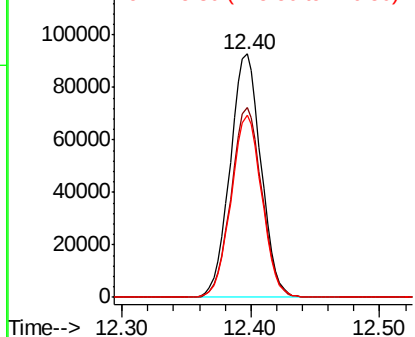
#62
4-Bromofluorobenzene
Concen: 49.817 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060545.D
Acq: 17 Mar 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBL01

Tot Ion: 95 Resp: 154128
Ion Ratio Lower Upper
95 100
174 78.0 0.0 159.2
176 74.5 0.0 153.8

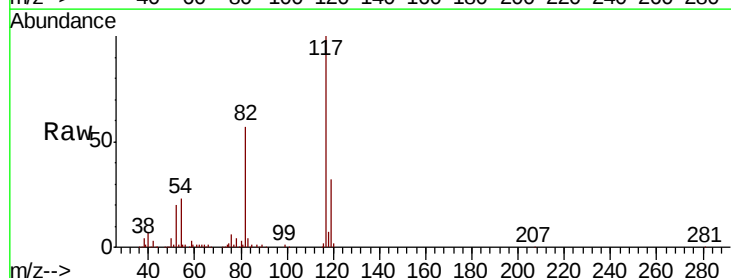


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

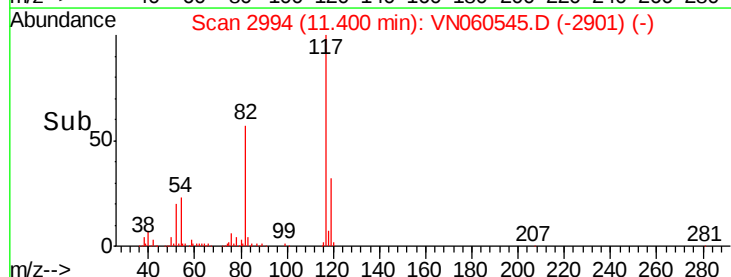
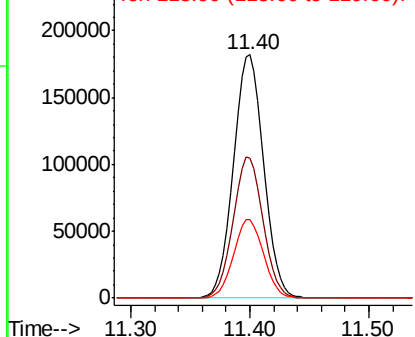


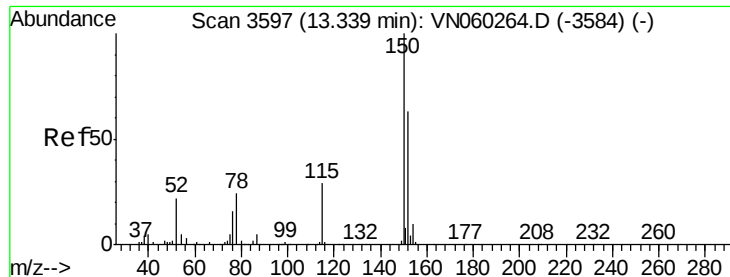
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060545.D
Acq: 17 Mar 2020 10:32

Tgt Ion: 117 Resp: 320819
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 32.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): 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: VN060545.D

Acq: 17 Mar 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

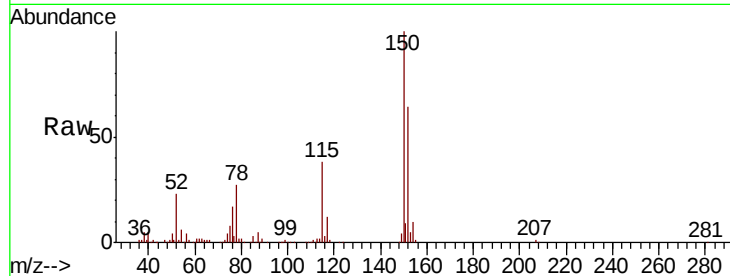
Tot Ion:152 Resp: 138334

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

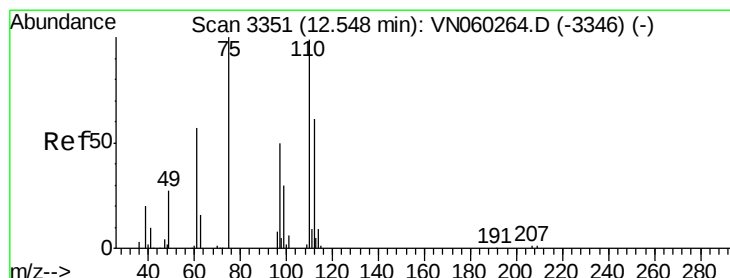
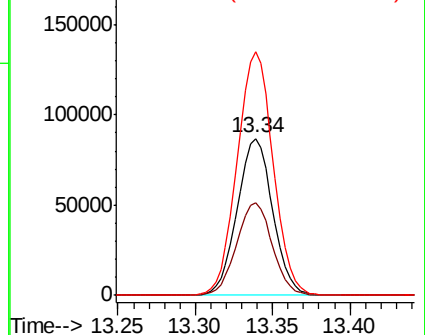
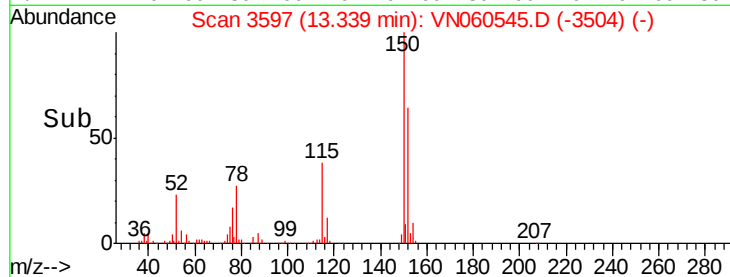
150 157.7 0.0 349.6



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: 25.507 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060545.D

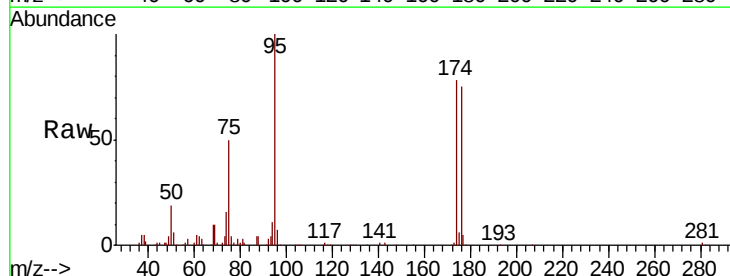
Acq: 17 Mar 2020 10:32

Tgt Ion: 75 Resp: 77414

Ion Ratio Lower Upper

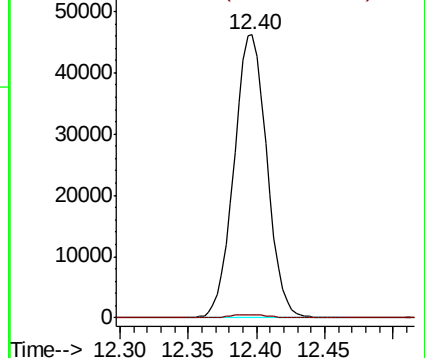
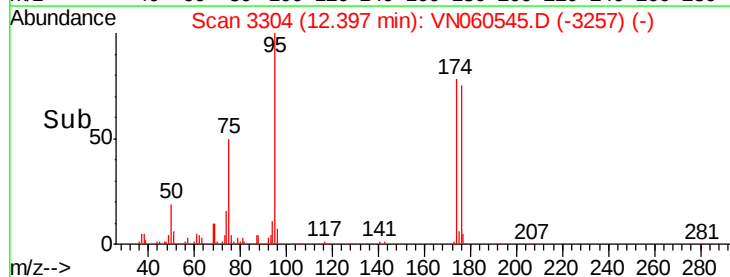
75 100

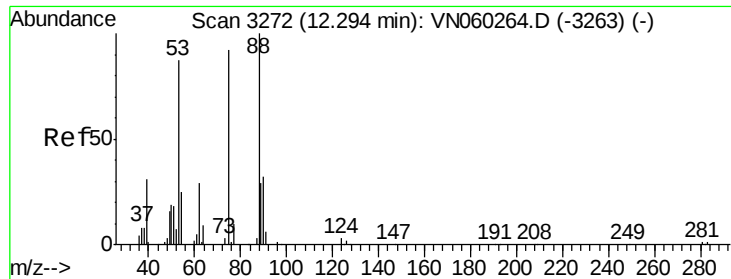
77 1.3 0.0 0.0#



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: 70.410 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060545.D

Acq: 17 Mar 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

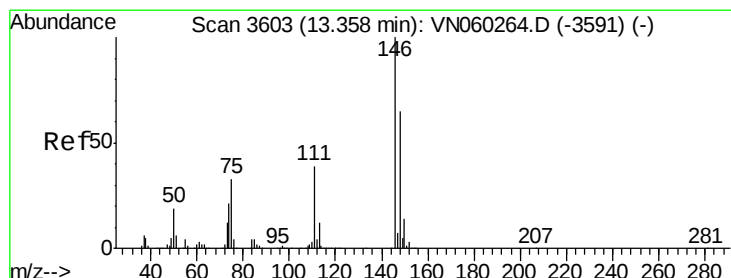
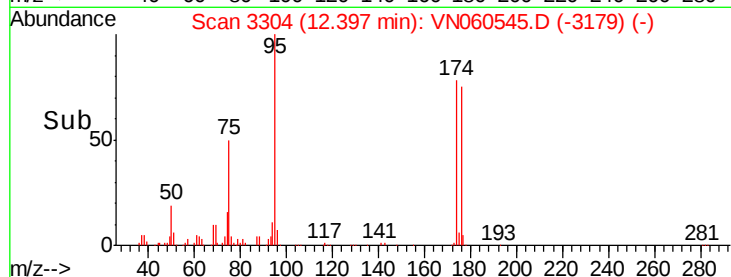
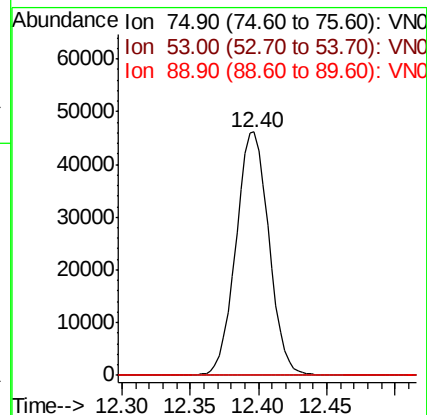
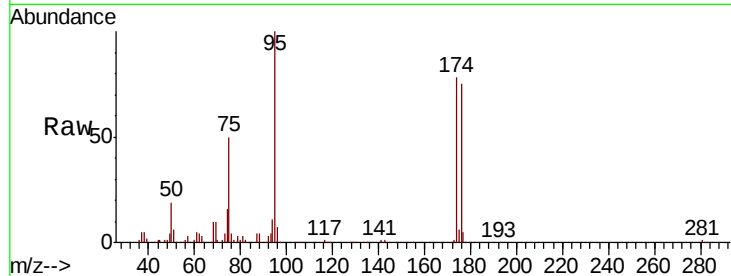
Tot Ion: 75 Resp: 77414

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.35 min Scan# 3601

Delta R.T. -0.01 min

Lab File: VN060545.D

Acq: 17 Mar 2020 10:32

Tgt Ion: 146 Resp: 301

Ion Ratio Lower Upper

146 100

111 596.0 19.8 59.4#

148 256.5 32.3 96.9#

