

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060392.D
 Acq On : 9 Mar 2020 10:41
 Operator : JC/MD
 Sample : VN0309WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBL01

Quant Time: Mar 09 13:01:58 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	205488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	129136	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.57	113	97333	61.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.74%	
50) Toluene-d8	10.08	98	404959	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	142495	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

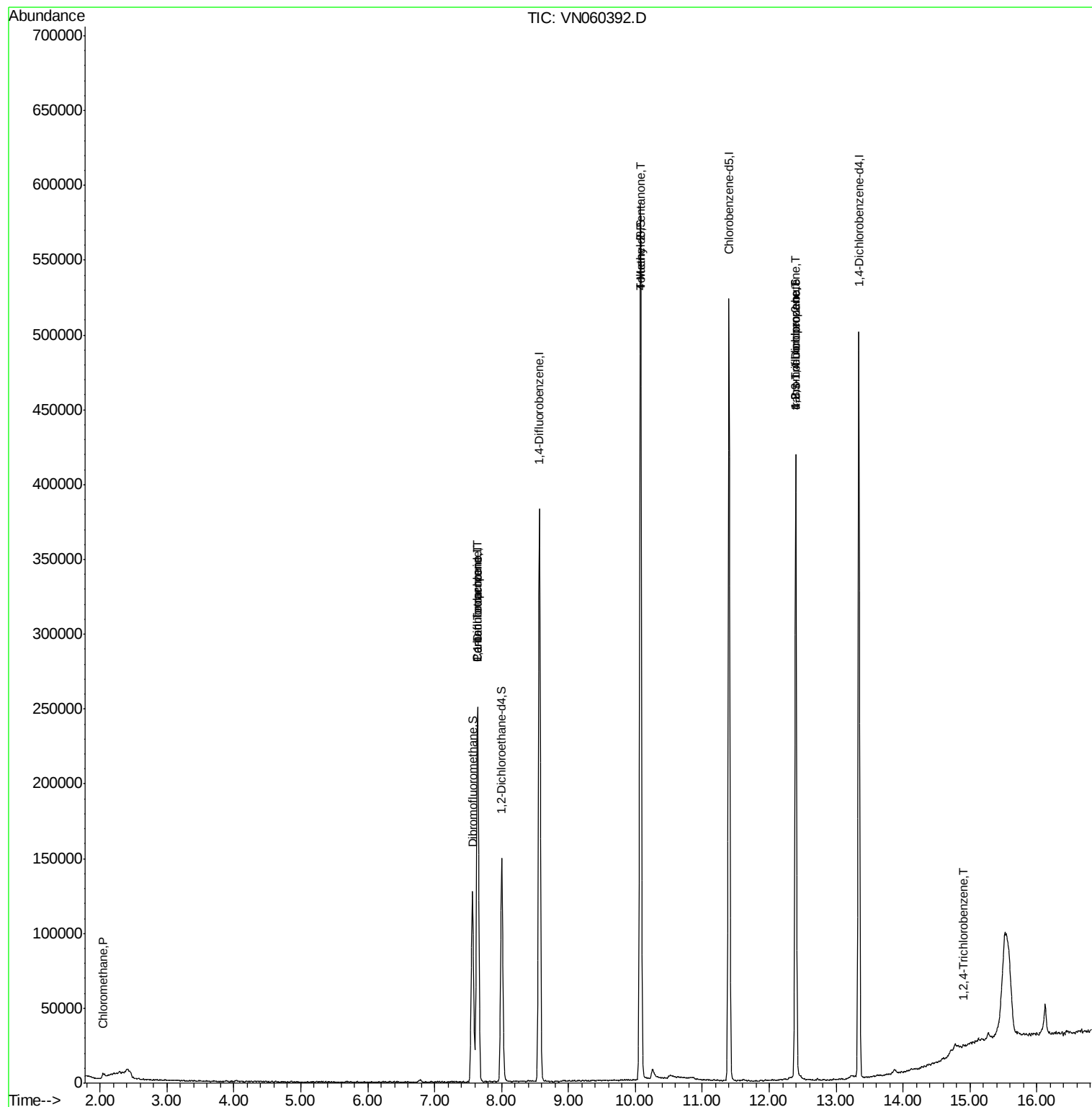
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	990	0.30	ug/l	95
12) 1,1-Dichloroethene	3.89	96	66	Below Cal	#	1
17) Carbon Disulfide	4.03	76	504	Below Cal	#	75
31) Cyclohexane	7.64	56	4601	Below Cal	#	7
36) 1,1-Dichloropropene	7.64	75	16239	5.03	ug/l	49
38) Carbon Tetrachloride	7.64	117	19707	6.27	ug/l	16
51) 4-Methyl-2-Pentanone	10.08	43	1819	0.60	ug/l	1
76) 1,2,3-Trichloropropane	12.40	75	72714	25.32	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72714	69.89	ug/l	8
87) 1,3-Dichlorobenzene	13.27	146	325	Below Cal	#	40
88) 1,4-Dichlorobenzene	13.35	146	343	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	346	0.22	ug/l	75
95) Naphthalene	15.13	128	1659	Below Cal	#	69

(#) = 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: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampled :

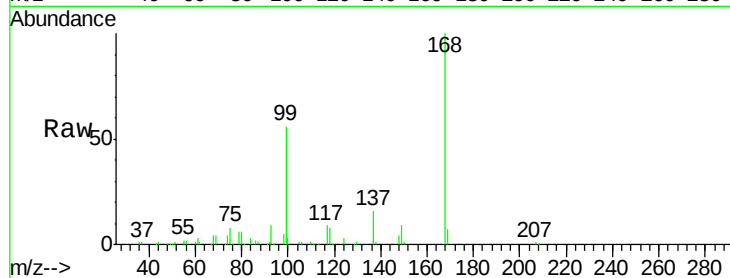
VN0309WBL01

Tgt Ion:168 Resp: 205488

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): VN0

7.64

80000

60000

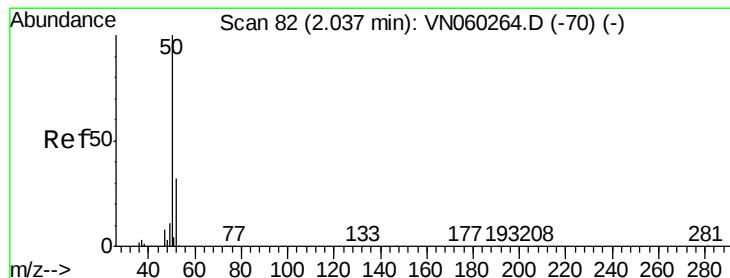
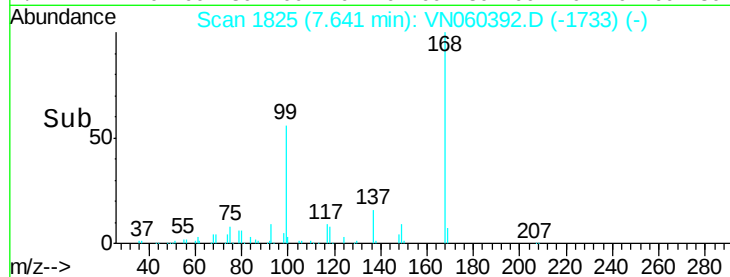
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.30 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060392.D

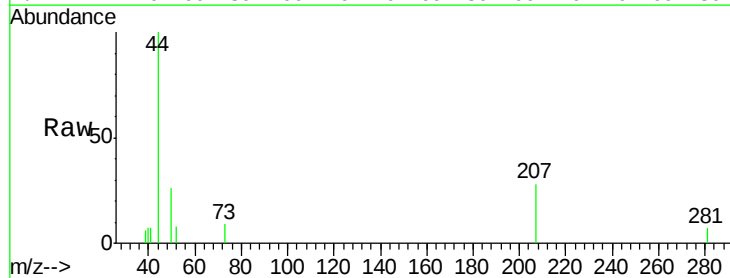
Acq: 9 Mar 2020 10:41

Tgt Ion: 50 Resp: 990

Ion Ratio Lower Upper

50 100

52 29.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

800

600

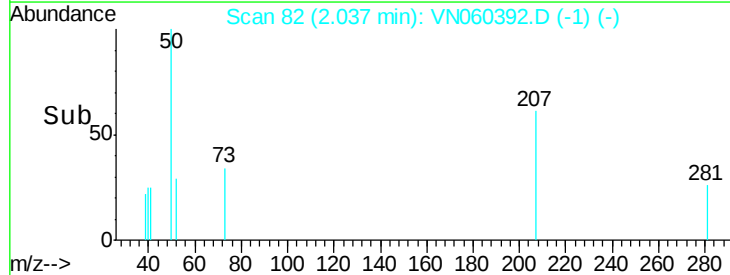
400

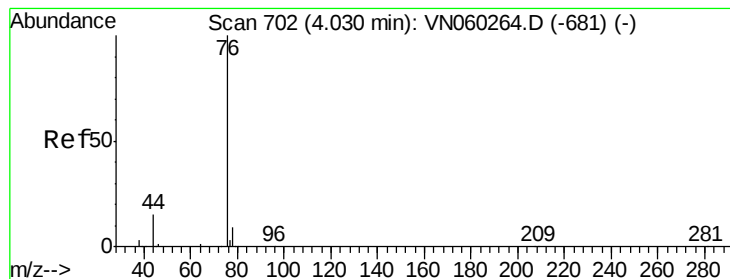
200

0

2.00 2.02 2.04 2.06

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

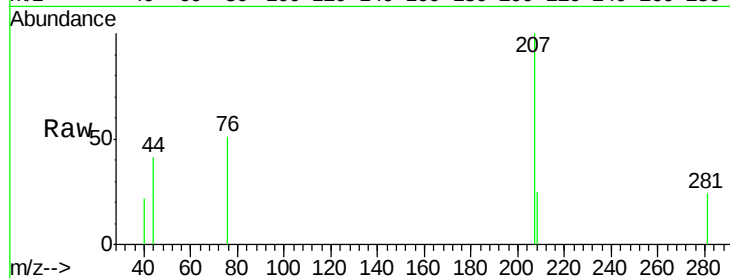
VN0309WBL01

Tgt Ion: 76 Resp: 504

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

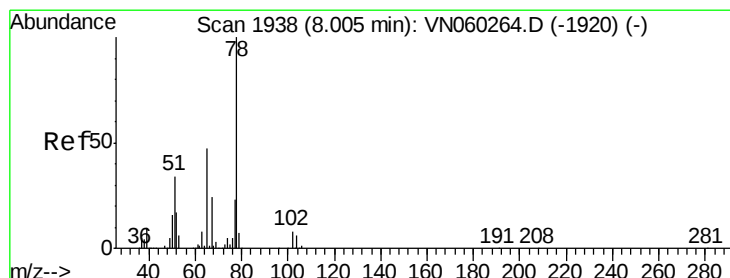
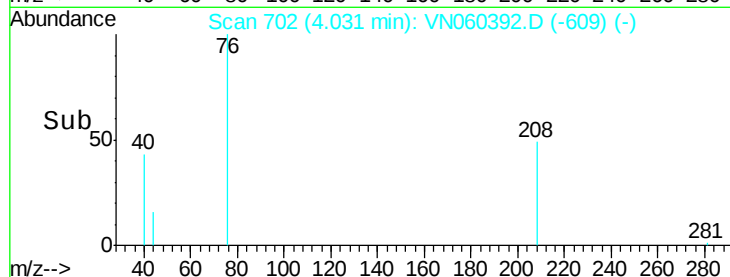
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.98 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060392.D

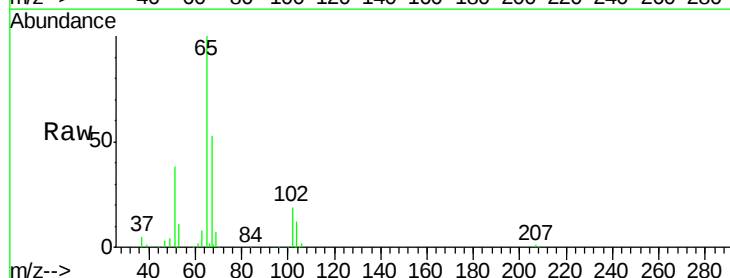
Acq: 9 Mar 2020 10:41

Tgt Ion: 65 Resp: 129136

Ion Ratio Lower Upper

65 100

67 53.0 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

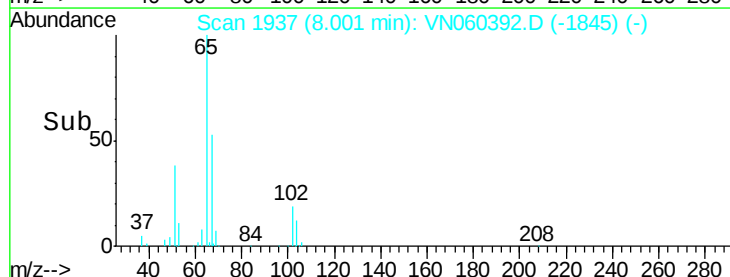
30000

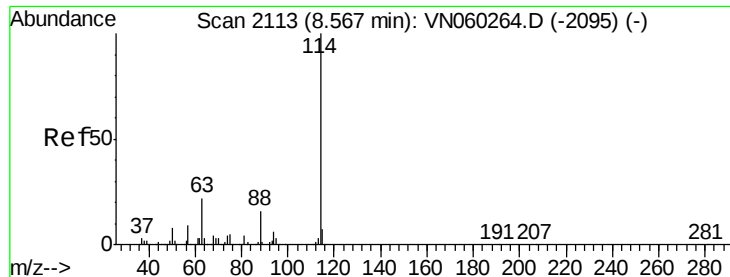
20000

10000

0

Time-->

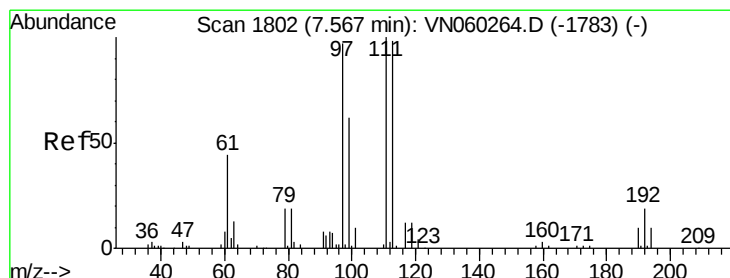
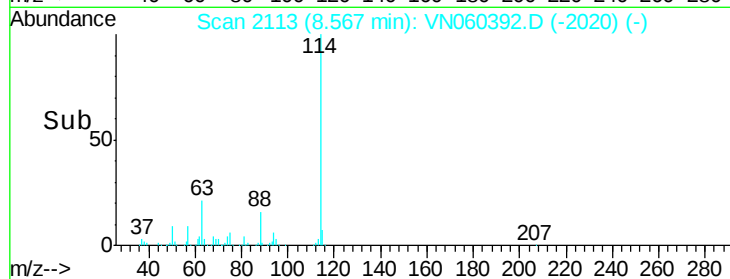
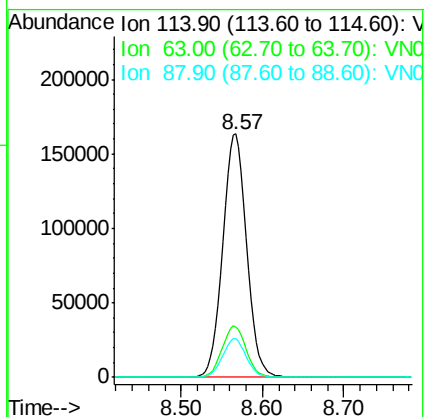
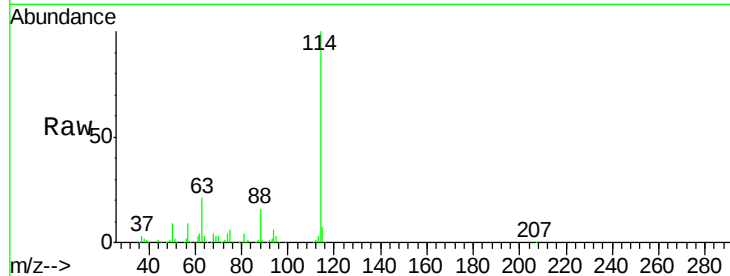




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060392.D
Acq: 9 Mar 2020 10:41

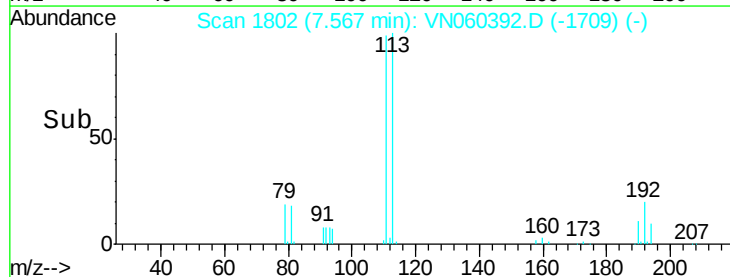
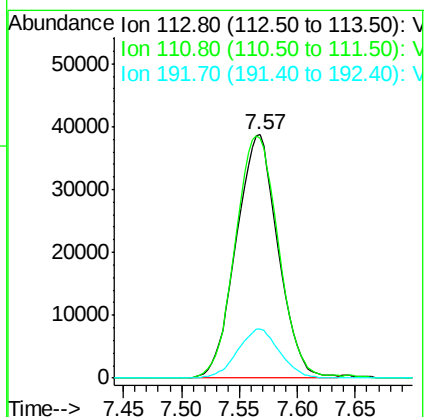
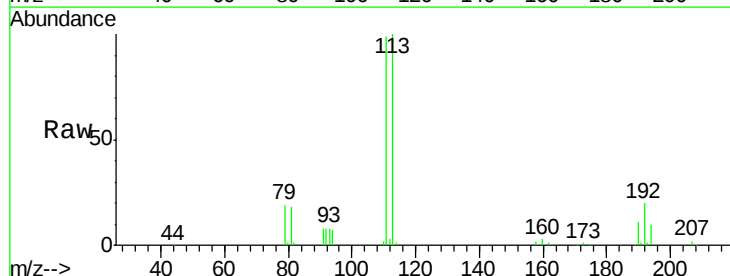
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBL01

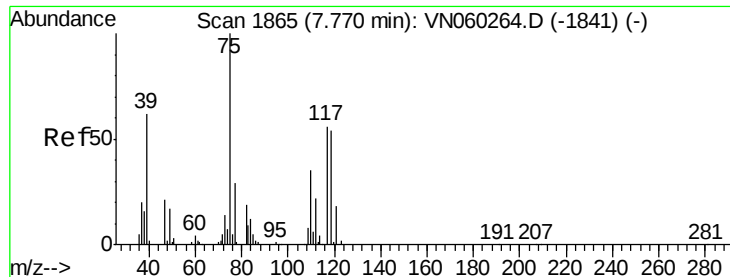
Tgt Ion:114 Resp: 338934
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 15.8 0.0 31.6



#35
Dibromofluoromethane
Concen: 61.87 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060392.D
Acq: 9 Mar 2020 10:41

Tgt Ion:113 Resp: 97333
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 20.1 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.03 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBL01

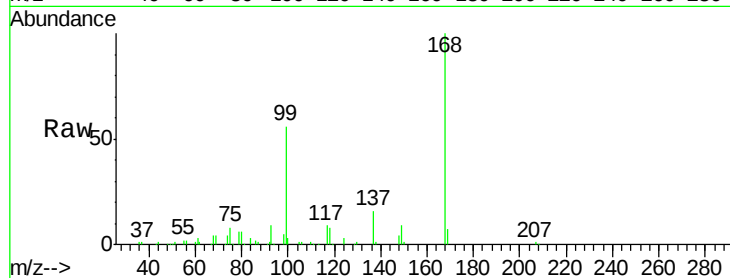
Tgt Ion: 75 Resp: 16239

Ion Ratio Lower Upper

75 100

110 7.1 17.3 52.0#

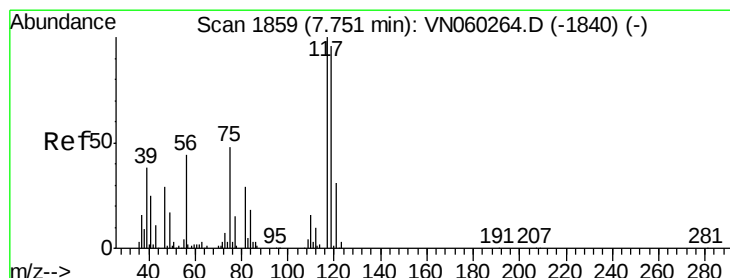
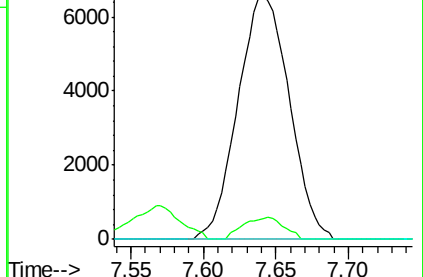
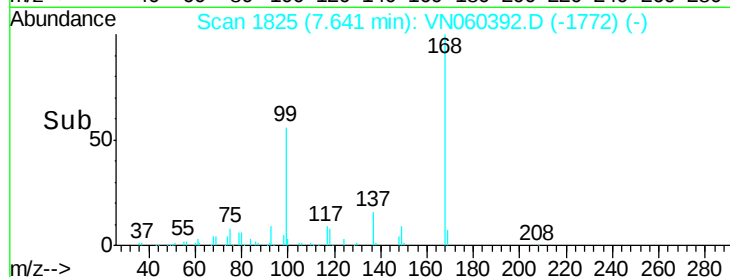
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060392.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060392.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060392.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.27 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

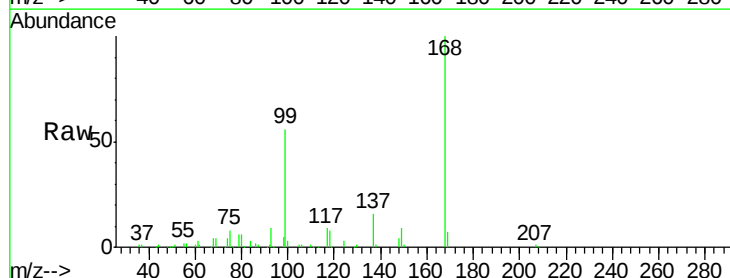
Tgt Ion: 117 Resp: 19707

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

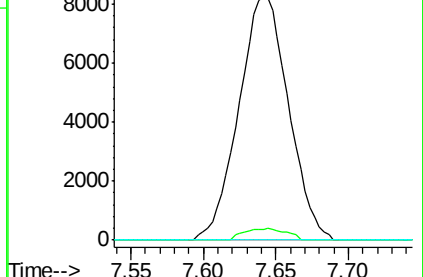
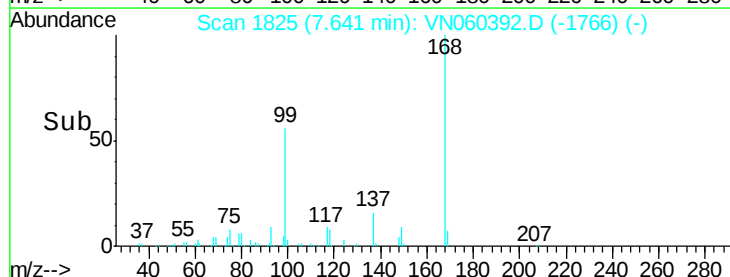
121 0.0 24.5 36.7#

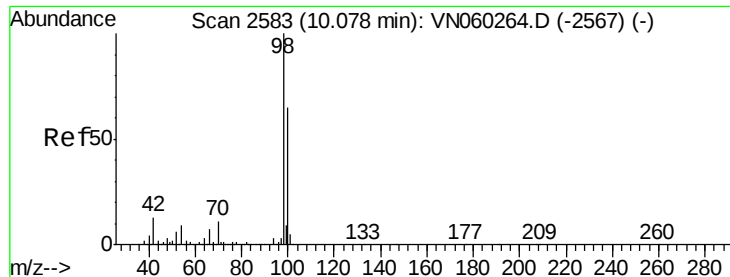


Abundance Ion 116.80 (116.50 to 117.50): VN060392.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060392.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060392.D (-1766) (-)





#50

Toluene-d8

Concen: 50.86 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

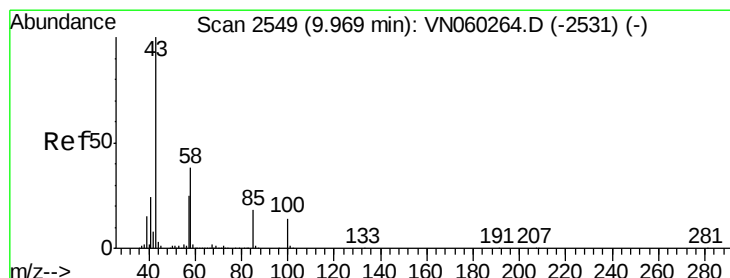
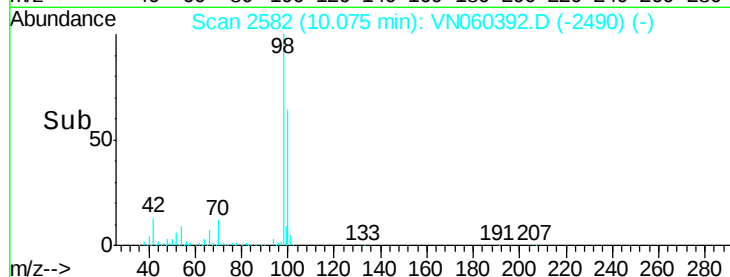
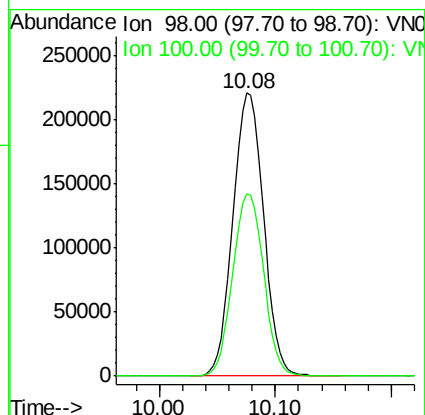
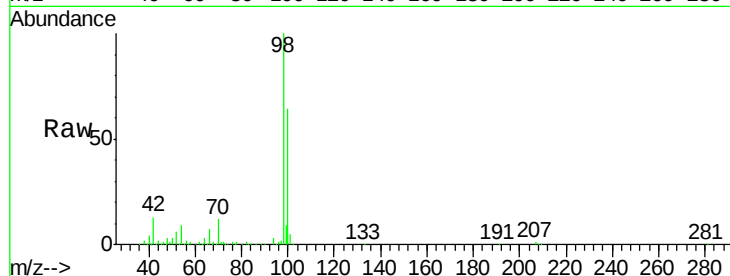
VN0309WBL01

Tgt Ion: 98 Resp: 404959

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.60 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060392.D

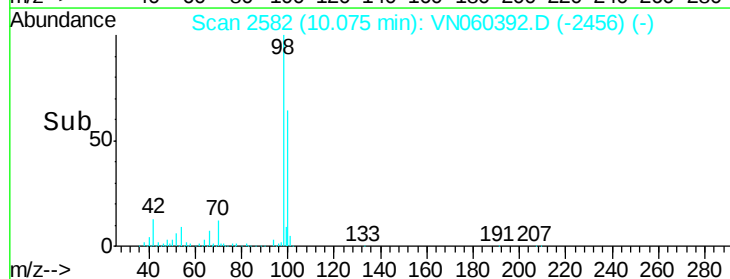
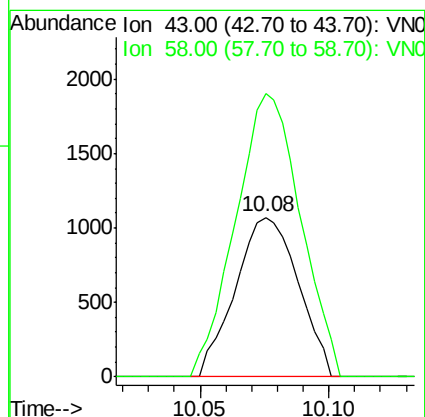
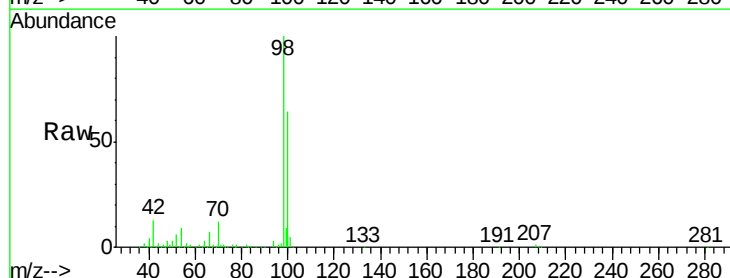
Acq: 9 Mar 2020 10:41

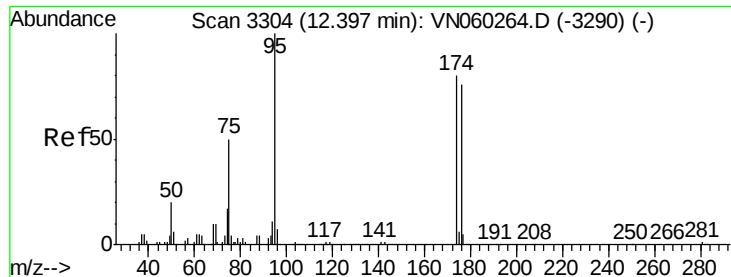
Tgt Ion: 43 Resp: 1819

Ion Ratio Lower Upper

43 100

58 183.0 30.9 46.3#





#62

4-Bromofluorobenzene

Concen: 47.21 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBL01

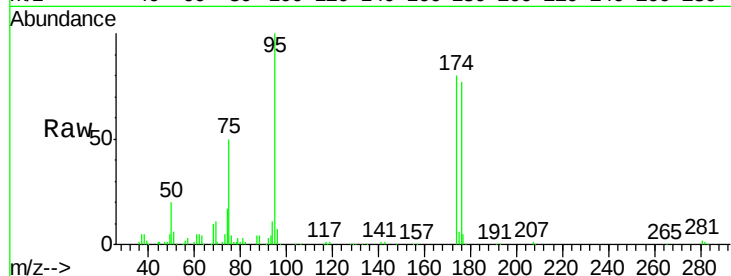
Tgt Ion: 95 Resp: 142495

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.2

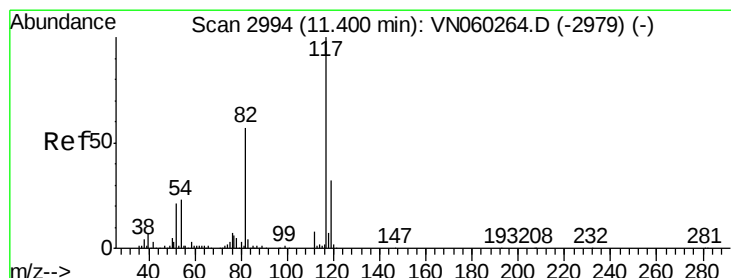
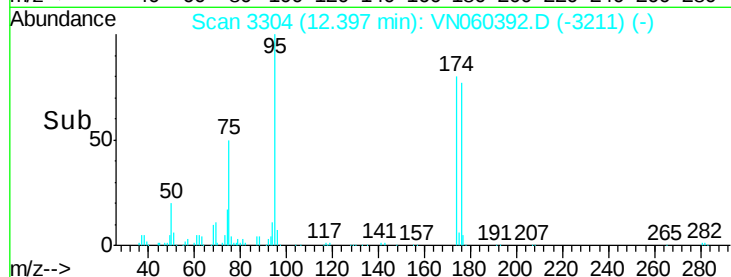
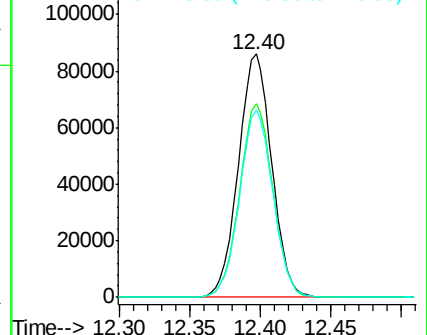
176 77.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060392.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060392.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060392.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

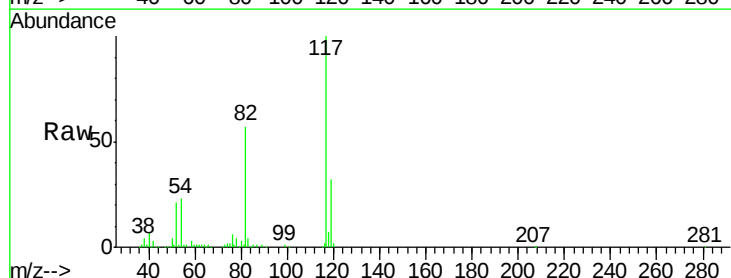
Tgt Ion: 117 Resp: 300865

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.6

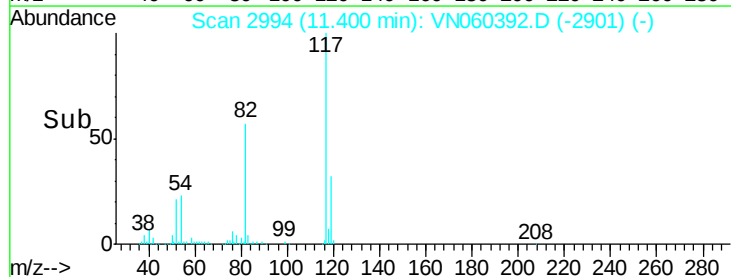
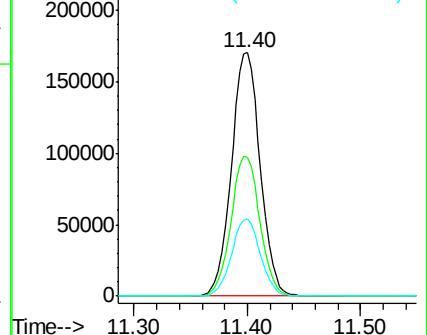
119 31.6 25.8 38.8

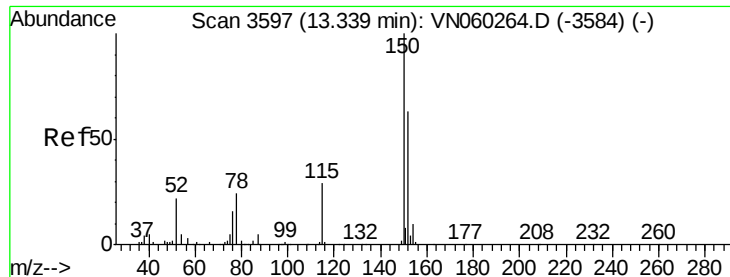


Abundance Ion 116.90 (116.60 to 117.60): VN060392.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060392.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060392.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBL01

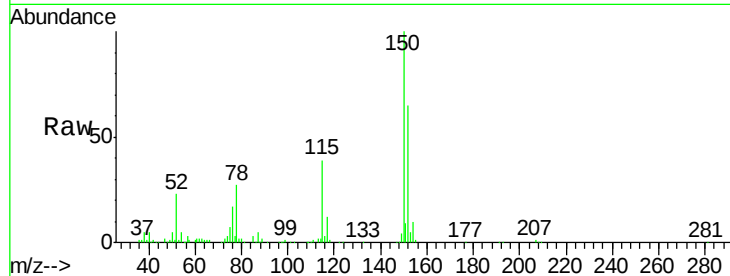
Tgt Ion:152 Resp: 130900

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

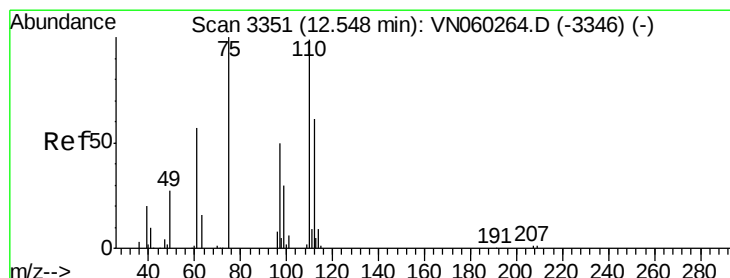
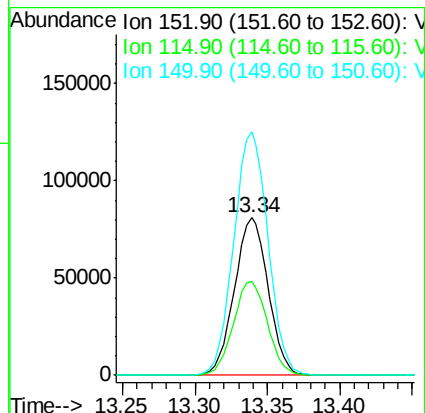
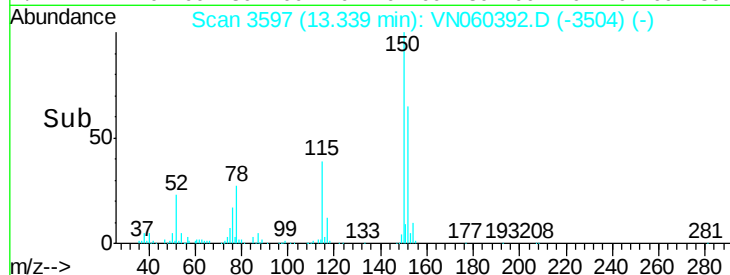
150 156.9 0.0 349.6



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: 25.32 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060392.D

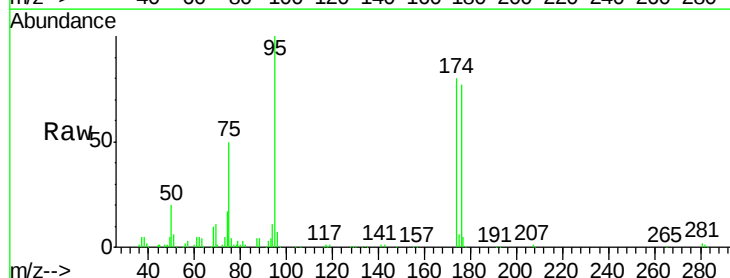
Acq: 9 Mar 2020 10:41

Tgt Ion: 75 Resp: 72714

Ion Ratio Lower Upper

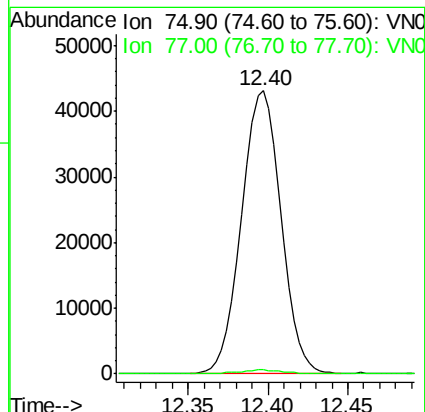
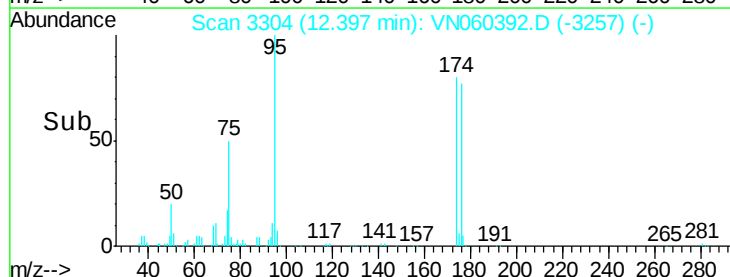
75 100

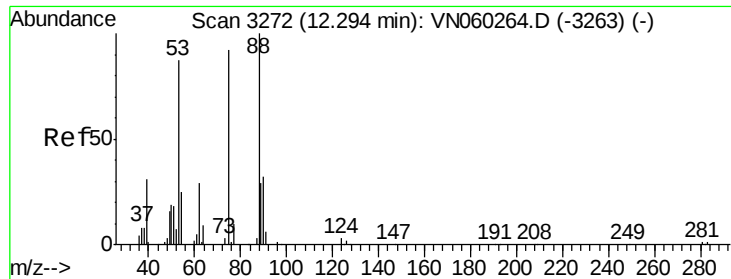
77 1.4 0.0 0.0#



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: 69.89 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060392.D

Acq: 9 Mar 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBL01

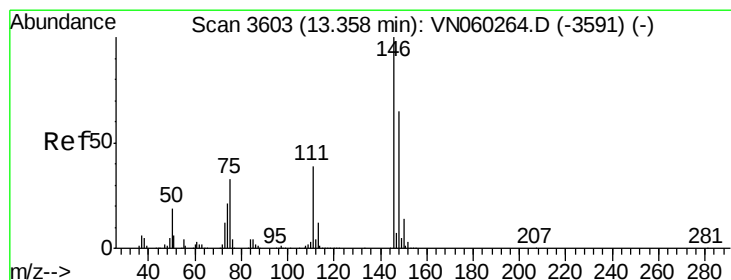
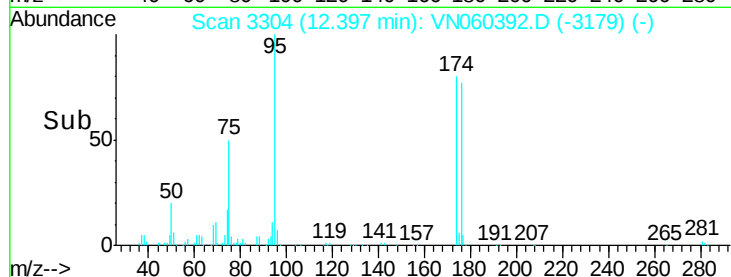
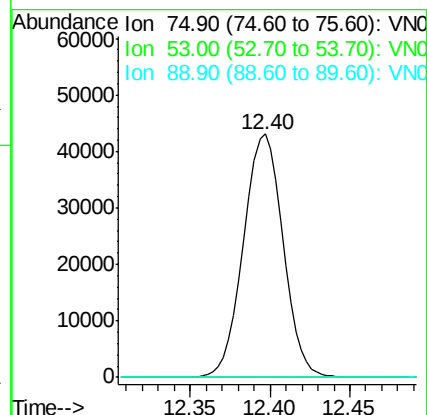
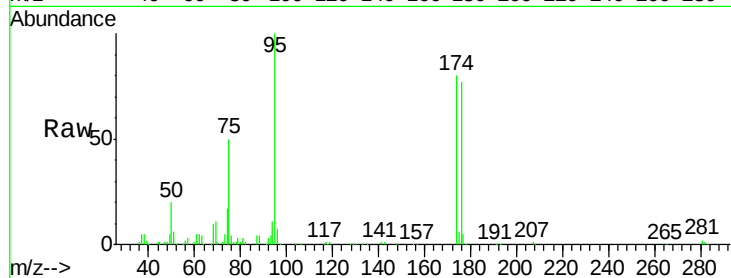
Tgt Ion: 75 Resp: 72714

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: VN060392.D

Acq: 9 Mar 2020 10:41

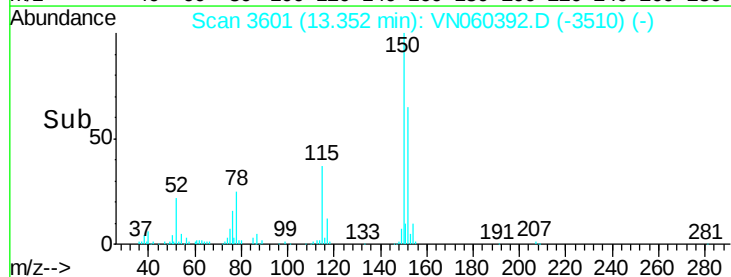
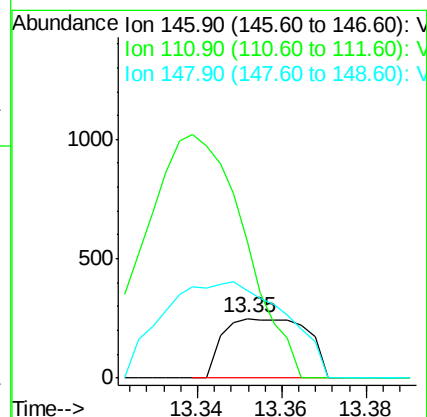
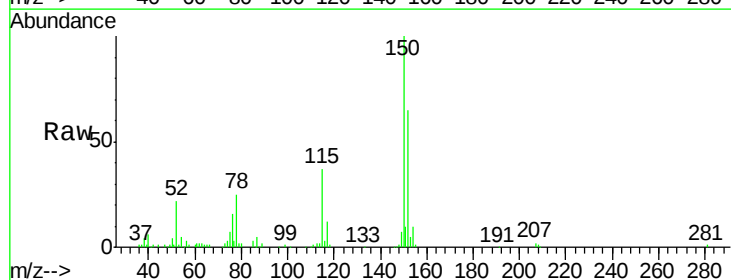
Tgt Ion: 146 Resp: 343

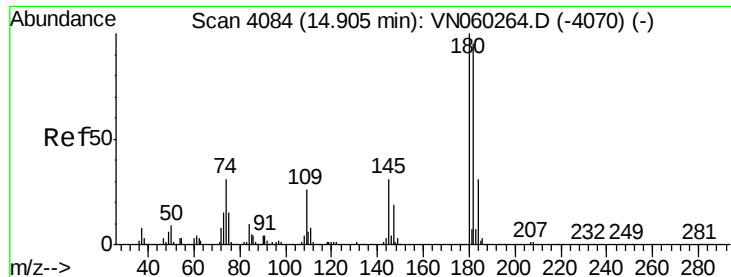
Ion Ratio Lower Upper

146 100

111 483.1 19.8 59.4#

148 235.9 32.3 96.9#

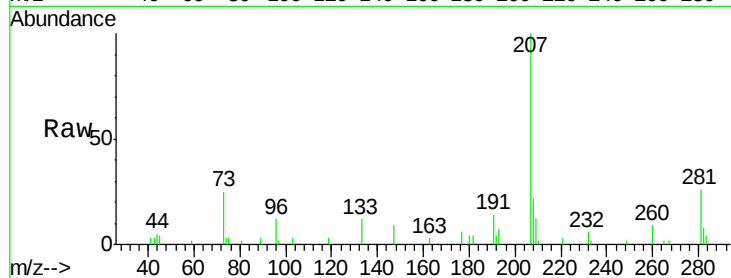




#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060392.D
 Acq: 9 Mar 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	110.4	47.8	143.3
145	0.0	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

