

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060783.D
 Acq On : 31 Mar 2020 14:12
 Operator : JC/MD
 Sample : L1762-26
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:22:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134269	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	126685	47.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.84%	
35) Dibromofluoromethane	7.56	113	95798	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	
50) Toluene-d8	10.08	98	395377	49.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	147079	50.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	1288	1.361	ug/l #	43
20) Methylene Chloride	4.52	84	2647	1.137	ug/l	96
30) Chloroform	7.35	83	2026	0.495	ug/l	93
31) Cyclohexane	7.63	56	4067	0.945	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14963	4.765	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18038	6.410	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1790	0.562	ug/l #	1
71) Bromoform	12.39	173	96	1.732	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	73886	25.502	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73886	65.497	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Instrument :

MSVOA_N

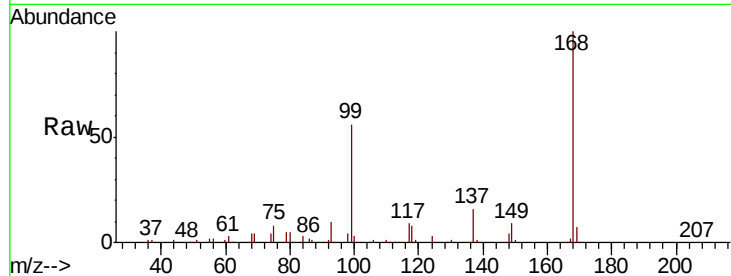
ClientSampleId :

Tot Ion:168 Resp: 194622

Ion Ratio Lower Upper

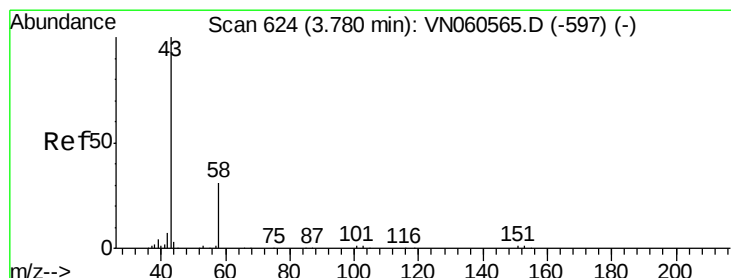
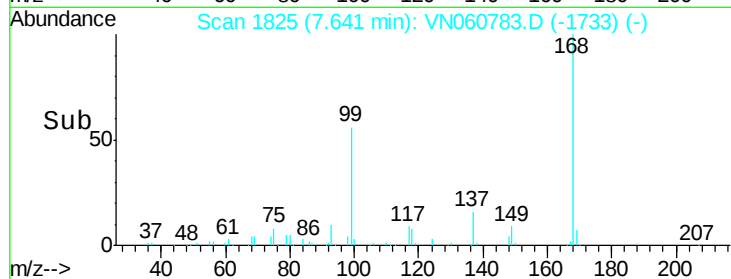
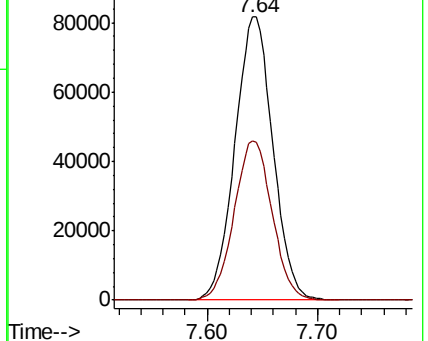
168 100

99 56.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.361 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060783.D

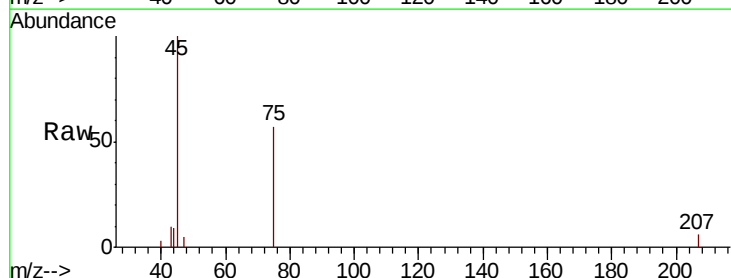
Acq: 31 Mar 2020 14:12

Tgt Ion: 43 Resp: 1288

Ion Ratio Lower Upper

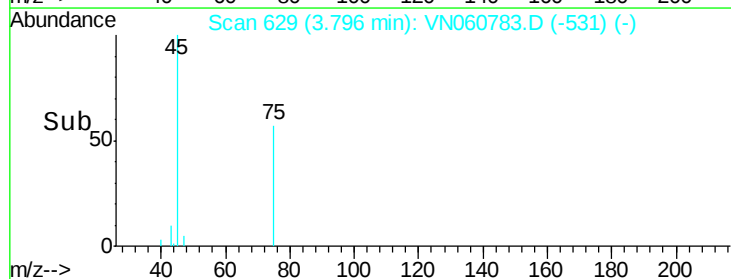
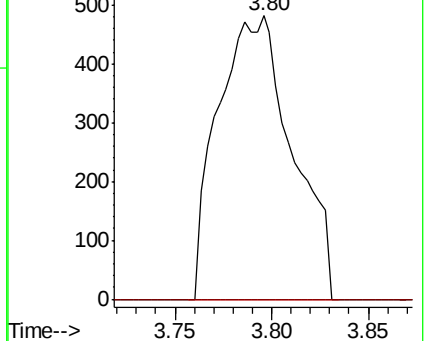
43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

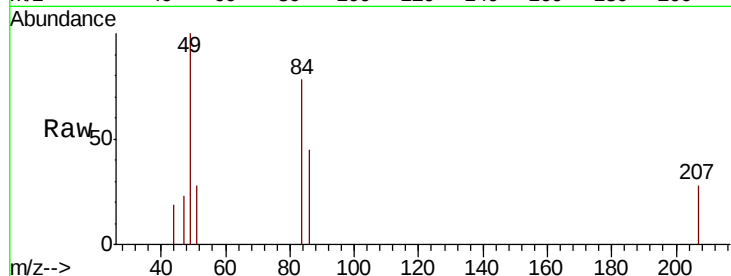




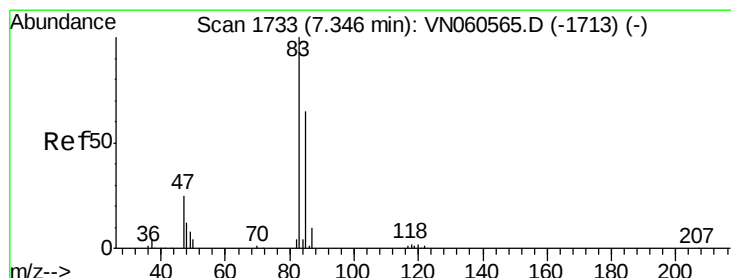
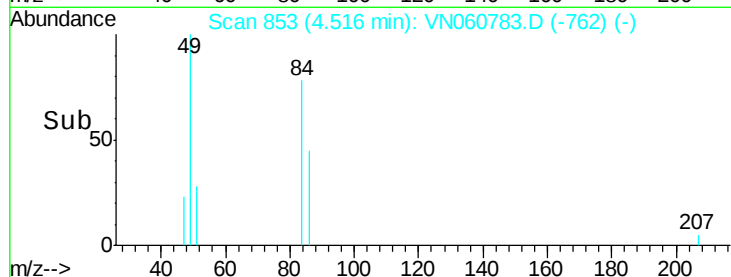
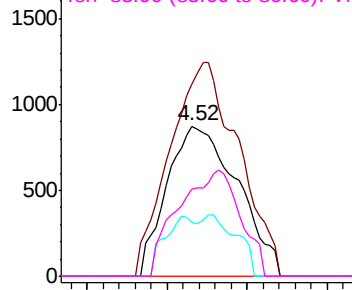
#20
Methvlene Chloride
Concen: 1.137 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060783.D
Acq: 31 Mar 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	2647
Ion	Ratio	Lower	Upper
84	100		
49	128.1	103.3	154.9
51	36.3	31.6	47.4
86	57.8	52.0	78.0

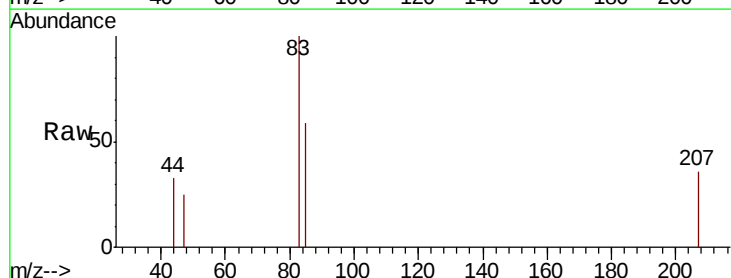


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

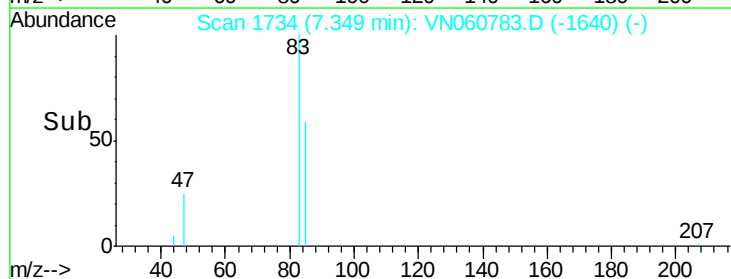
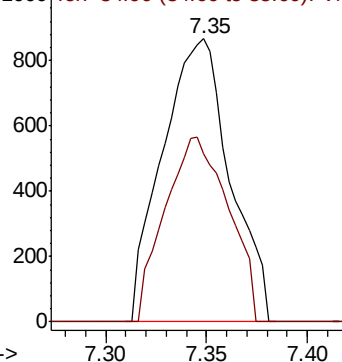


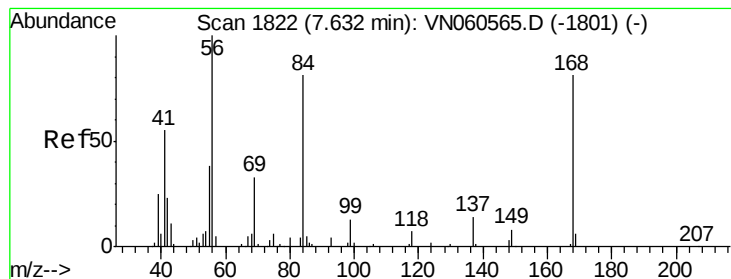
#30
Chloroform
Concen: 0.495 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060783.D
Acq: 31 Mar 2020 14:12

Tgt Ion:	83	Resp:	2026
Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 0.945 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Instrument :
MSVOA_N
ClientSampled :

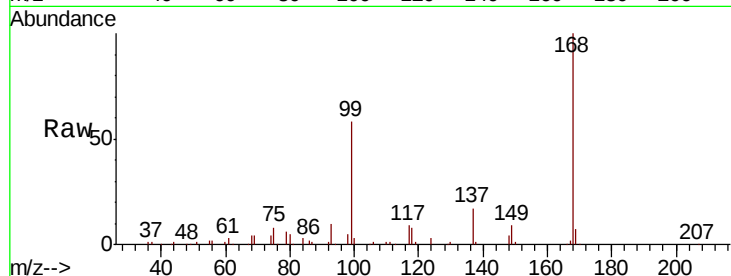
Tot Ion: 56 Resp: 4067

Ion Ratio Lower Upper

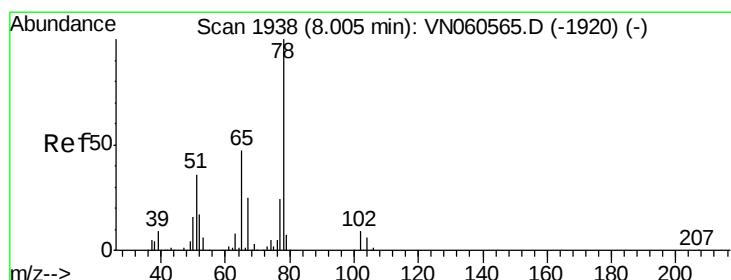
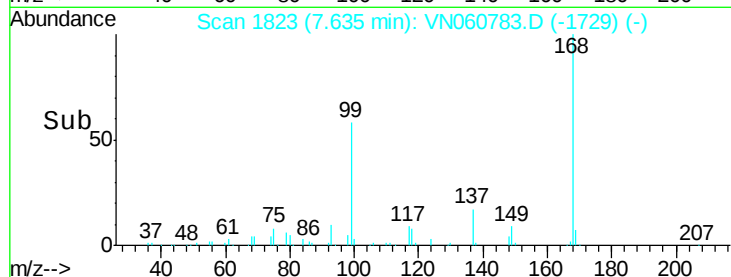
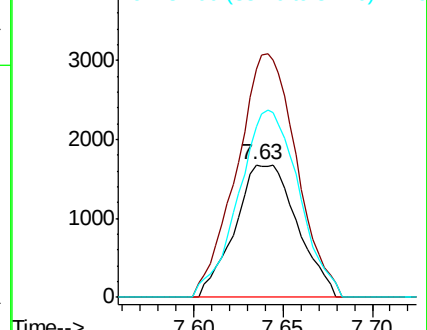
56 100

69 172.2 26.6 40.0#

84 129.3 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.417 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060783.D

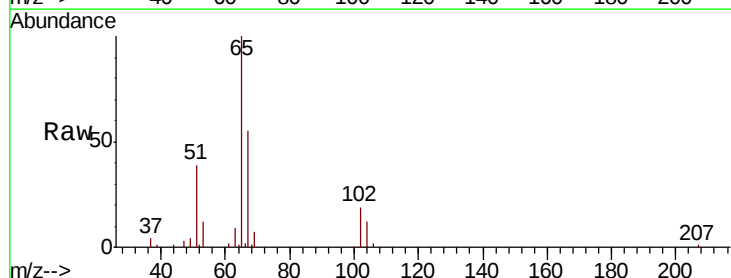
Acq: 31 Mar 2020 14:12

Tgt Ion: 65 Resp: 126685

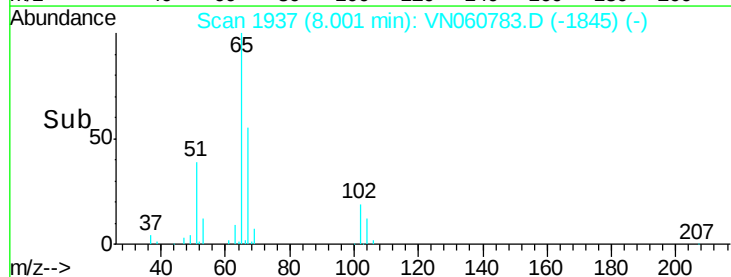
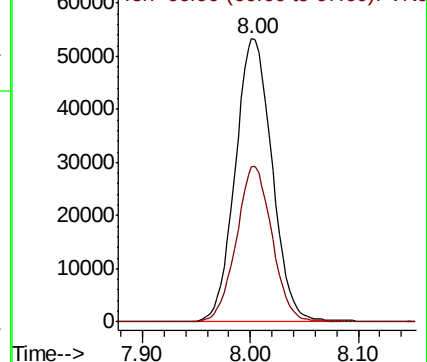
Ion Ratio Lower Upper

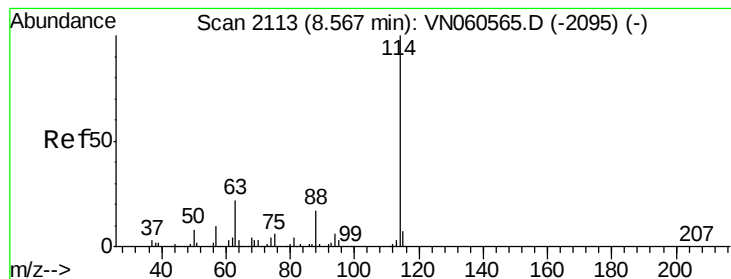
65 100

67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

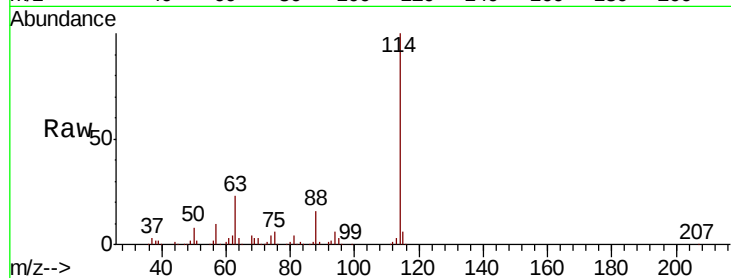
Tot Ion:114 Resp: 324278

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

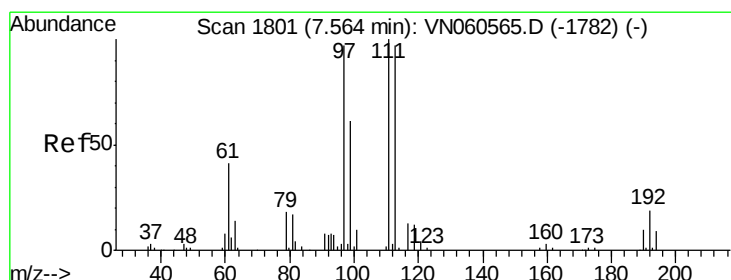
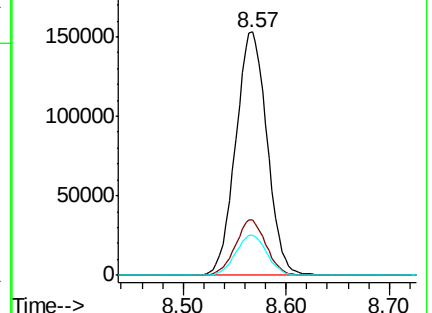
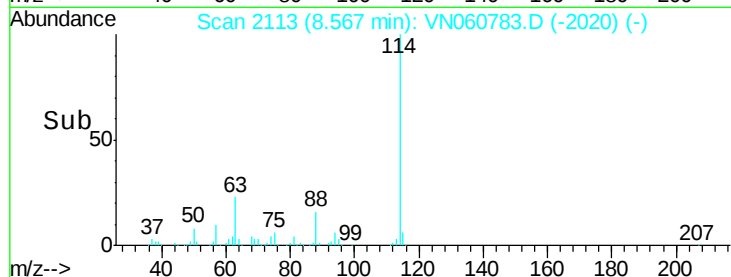
88 16.5 0.0 33.0



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: 48.856 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

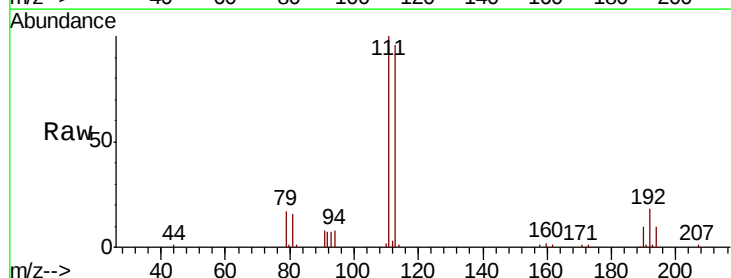
Tgt Ion:113 Resp: 95798

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

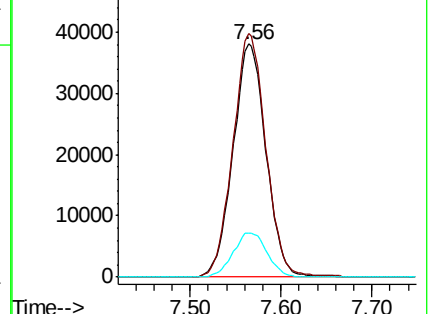
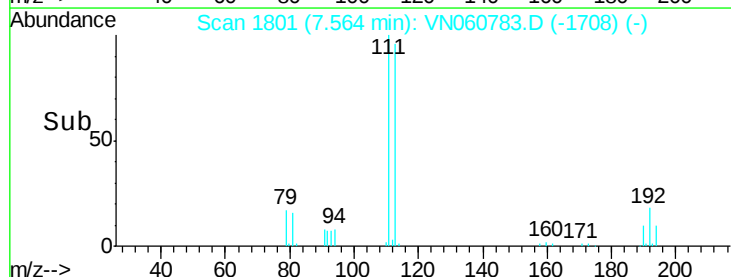
192 19.6 15.8 23.8

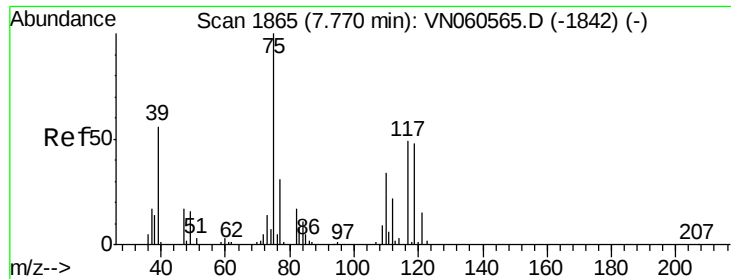


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

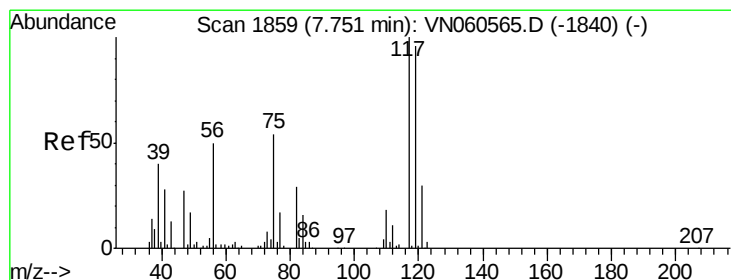
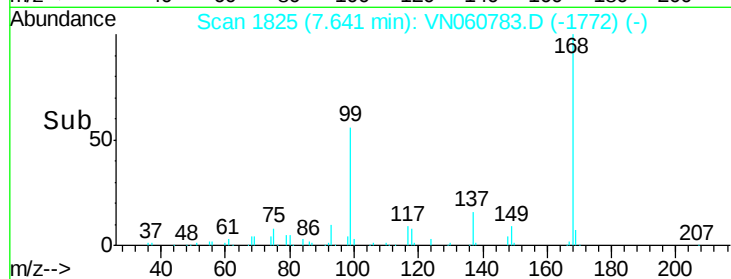
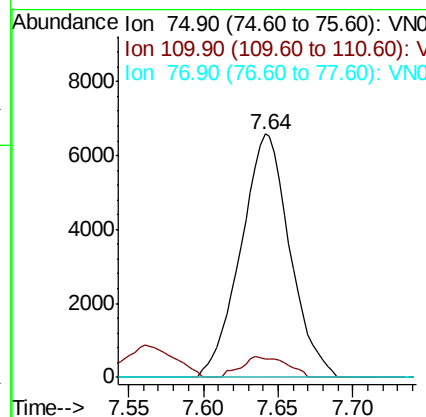
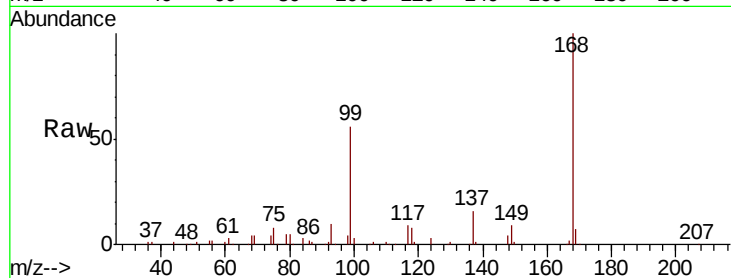




#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060783.D
 Acq: 31 Mar 2020 14:12

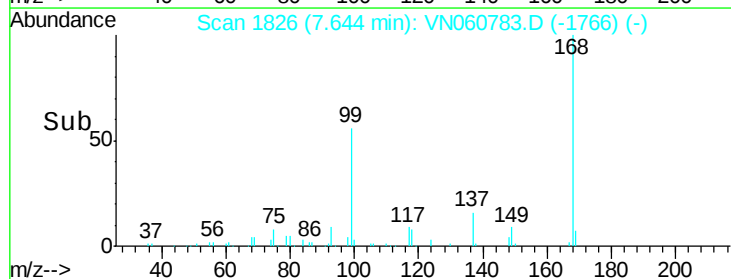
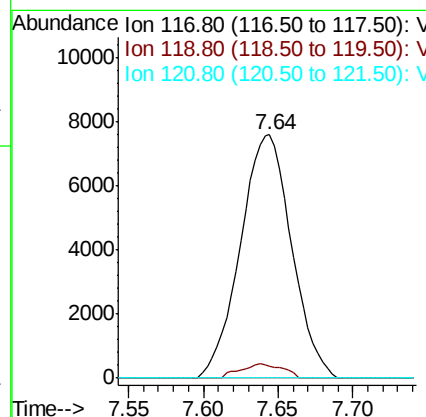
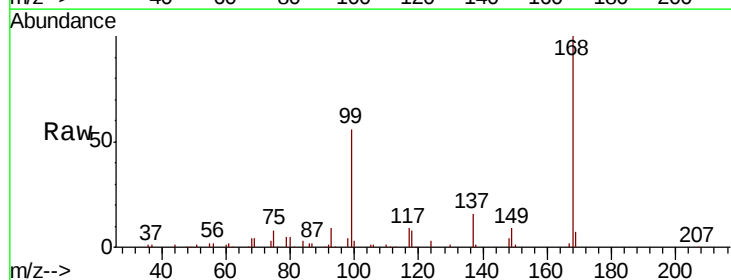
Instrument :
 MSVOA_N
 ClientSampled :

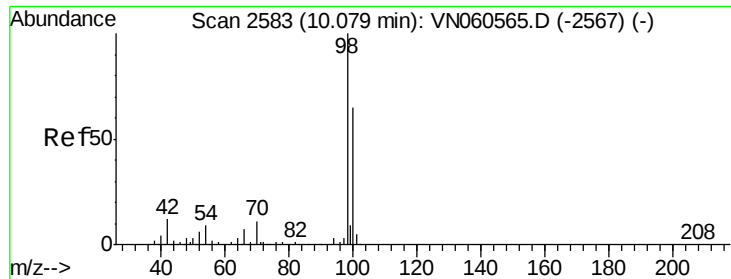
Tot Ion	75	Resp	14963
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.410 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060783.D
 Acq: 31 Mar 2020 14:12

Tgt Ion	117	Resp	18038
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.366 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Instrument :

MSVOA_N

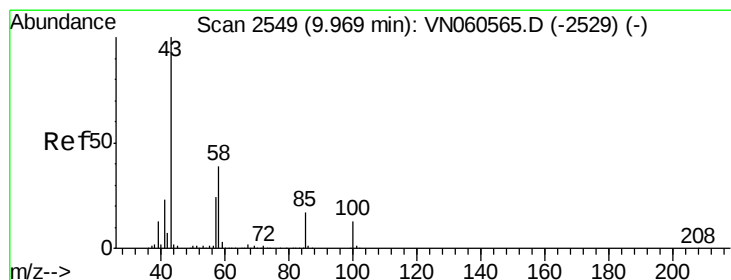
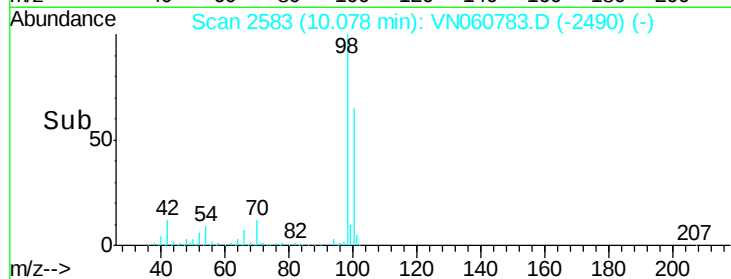
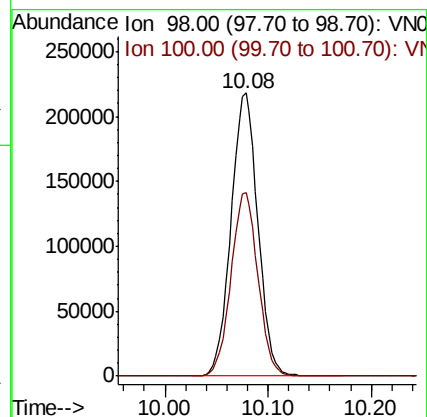
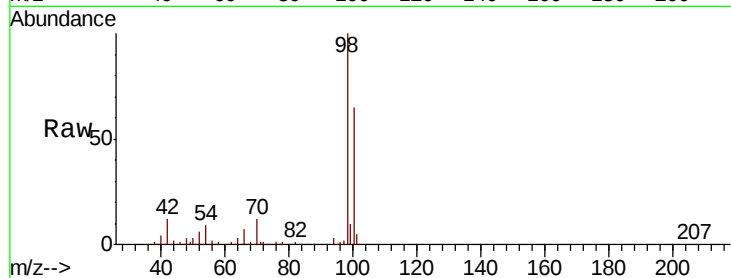
ClientSampled :

Tot Ion: 98 Resp: 395377

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.562 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060783.D

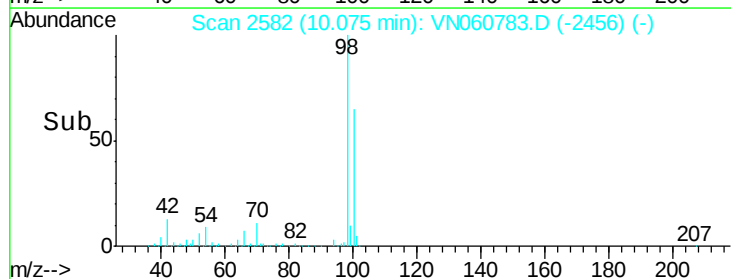
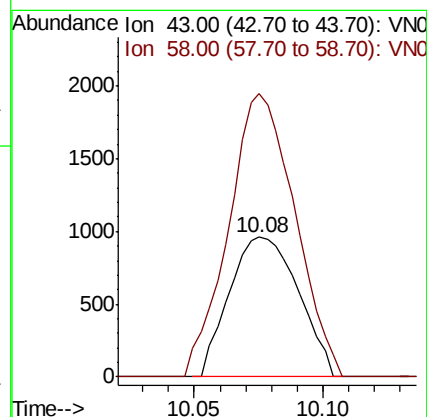
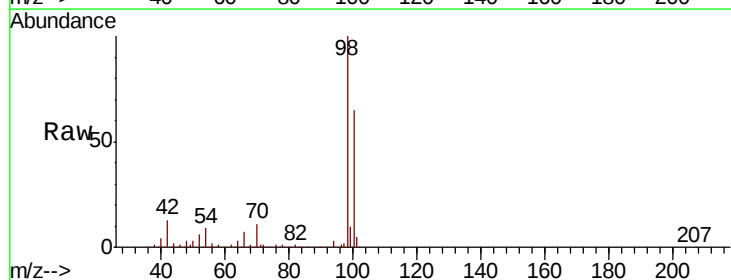
Acq: 31 Mar 2020 14:12

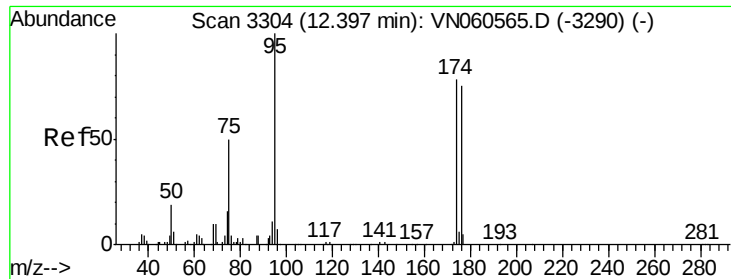
Tgt Ion: 43 Resp: 1790

Ion Ratio Lower Upper

43 100

58 194.7 30.8 46.2#

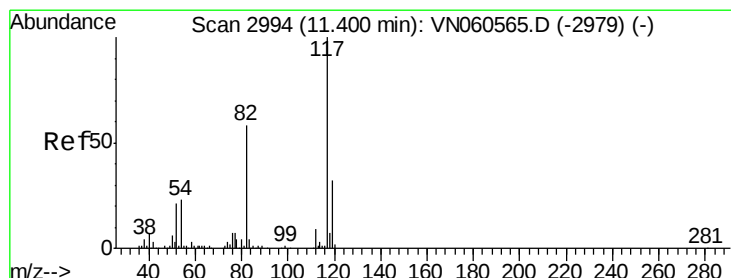
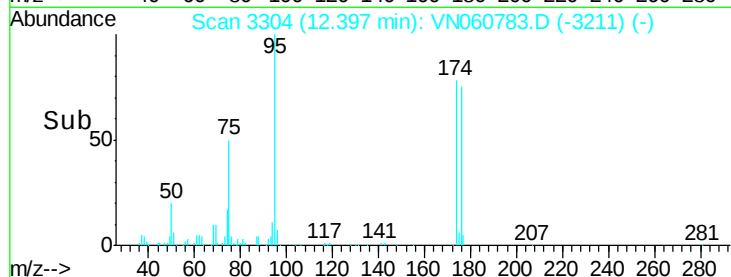
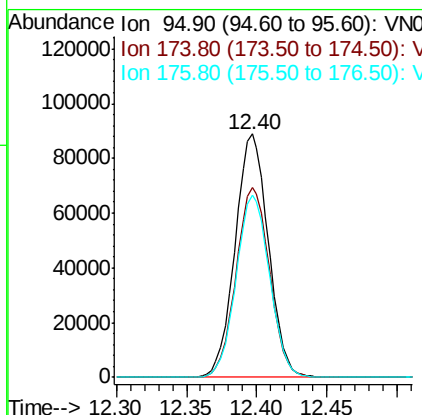
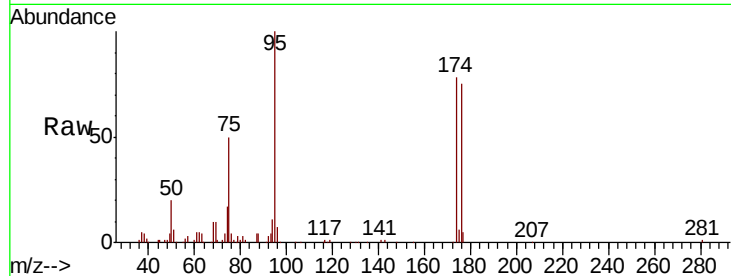




#62
4-Bromofluorobenzene
Concen: 50.108 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060783.D
Acq: 31 Mar 2020 14:12

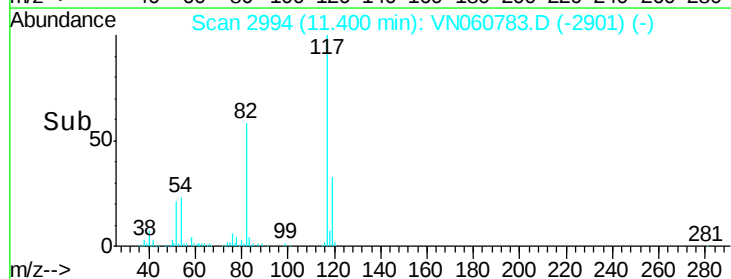
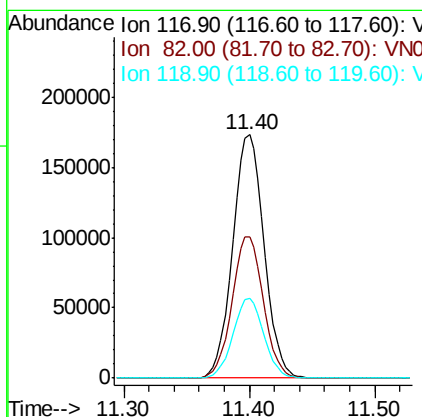
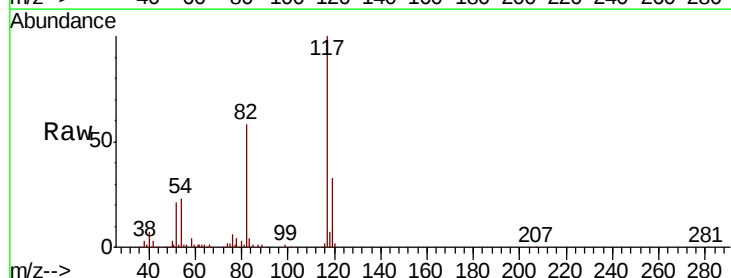
Instrument :
MSVOA_N
ClientSampleId :

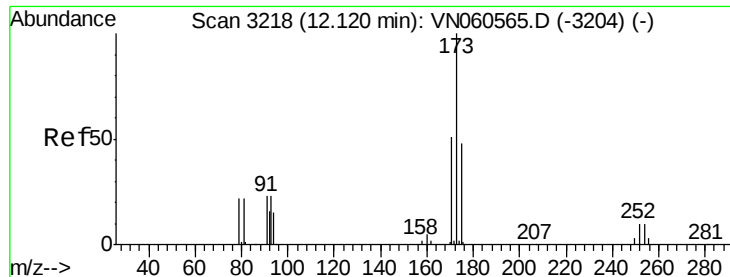
Tot Ion: 95 Resp: 147079
Ion Ratio Lower Upper
95 100
174 78.5 0.0 157.6
176 75.3 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060783.D
Acq: 31 Mar 2020 14:12

Tgt Ion: 117 Resp: 300632
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.8 25.5 38.3





#71

Bromoform

Concen: 1.732 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.27 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

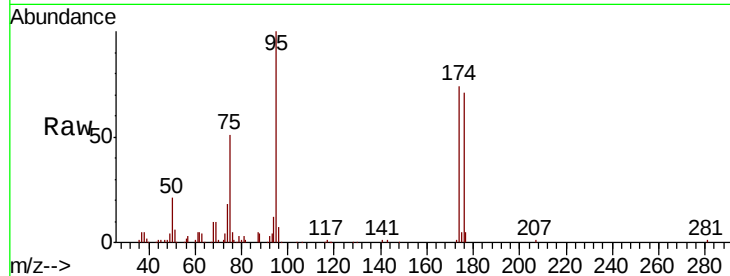
Tot Ion:173 Resp: 96

Ion Ratio Lower Upper

173 100

175 7442.7 24.1 72.4#

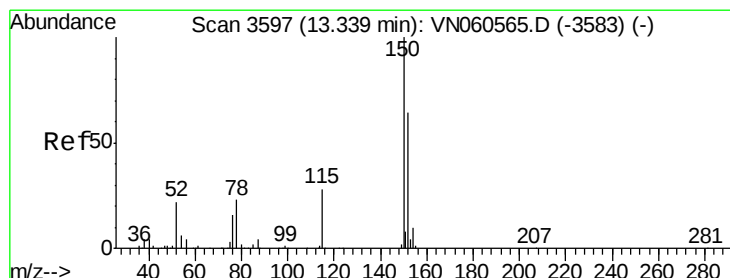
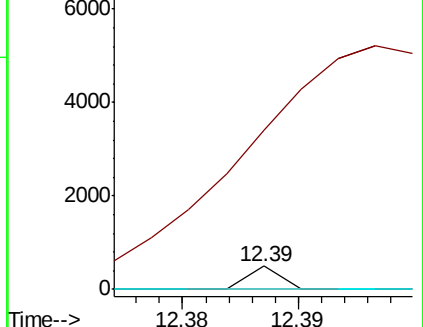
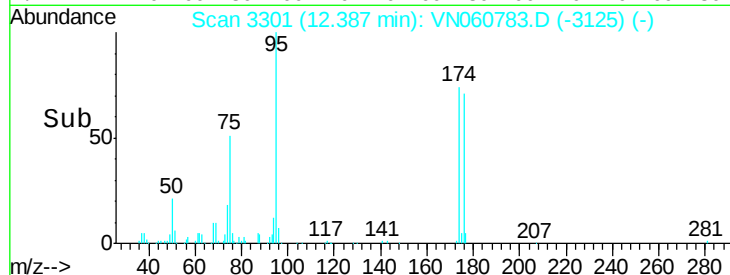
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN060783.D

Acq: 31 Mar 2020 14:12

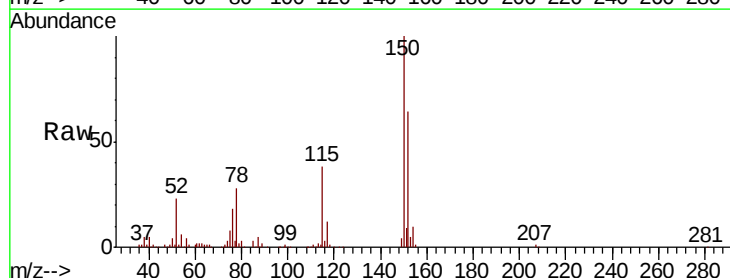
Tgt Ion:152 Resp: 134269

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

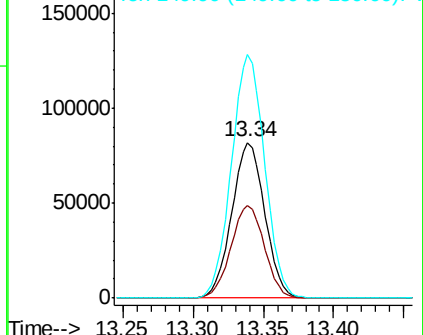
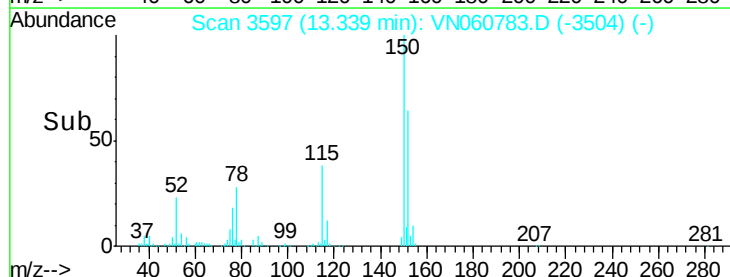
150 157.8 0.0 350.2

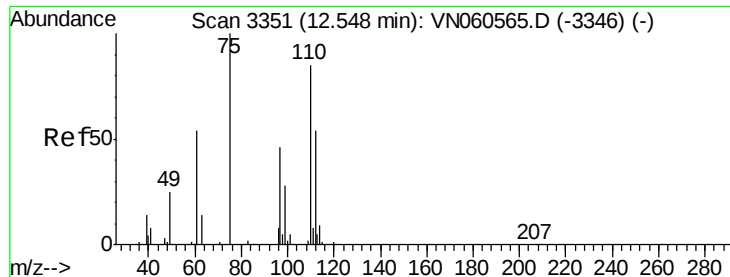


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.502 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Instrument :

MSVOA_N

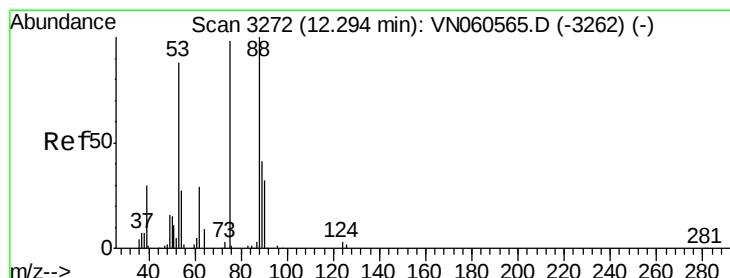
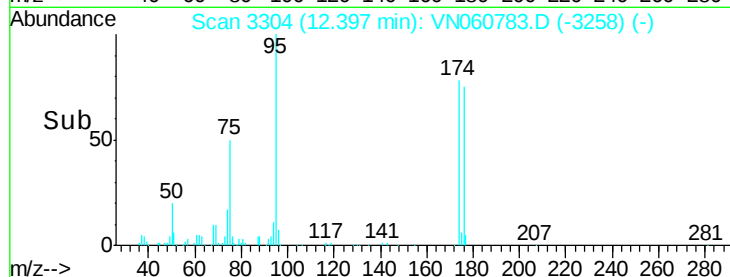
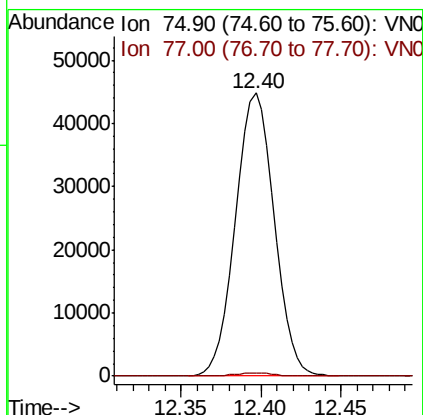
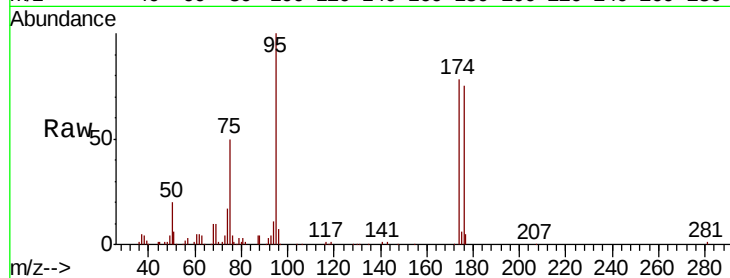
ClientSampled :

Tot Ion: 75 Resp: 73886

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.497 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060783.D

Acq: 31 Mar 2020 14:12

Tgt Ion: 75 Resp: 73886

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

