

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062351.D
 Acq On : 2 Jul 2020 22:31
 Operator : JC/MD
 Sample : L3151-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 00:37:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	129166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	104192	57.48	ug/l	0.00
Spiked Amount			Recovery	=	114.96%	
35) Dibromofluoromethane	7.55	113	83861	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.06	98	334329	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.38	95	103059	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

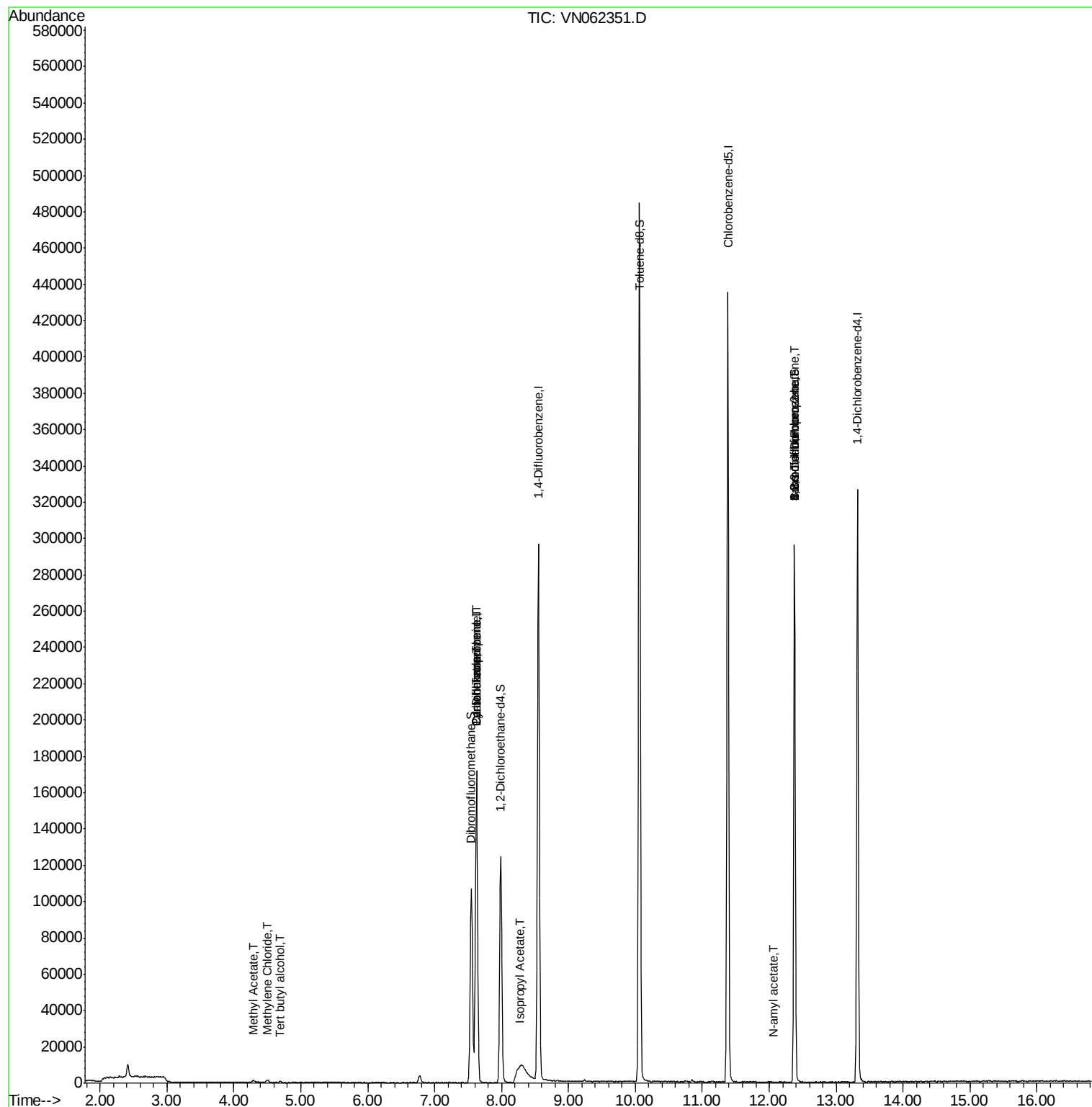
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	146	Below Cal	#	41
11) Tert butyl alcohol	4.69	59	218	0.838	ug/l #	72
16) Acetone	3.78	43	144	Below Cal	#	40
18) Methyl Acetate	4.28	43	2528	1.754	ug/l #	81
20) Methylene Chloride	4.50	84	940	0.350	ug/l #	92
31) Cyclohexane	7.62	56	3427	1.368	ug/l #	21
36) 1,1-Dichloropropene	7.62	75	11752	4.478	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13078	5.286	ug/l #	15
43) Isopropyl Acetate	8.26	43	8582	2.423	ug/l #	58
71) Bromoform	12.37	173	908	0.692	ug/l #	1
74) N-amyl acetate	12.06	43	358	3.484	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	52820	26.932	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52820	78.651	ug/l #	13

(#) = 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: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062351.D

Acq: 2 Jul 2020 22:31

Instrument :

MSVOA_N

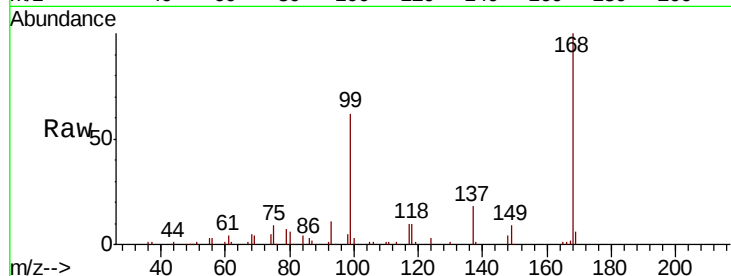
ClientSampled :

Tot Ion:168 Resp: 129166

Ion Ratio Lower Upper

168 100

99 62.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

50000

40000

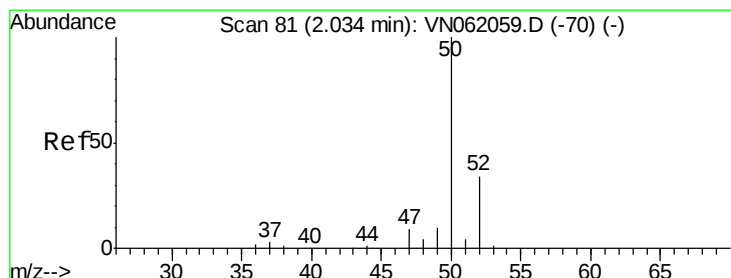
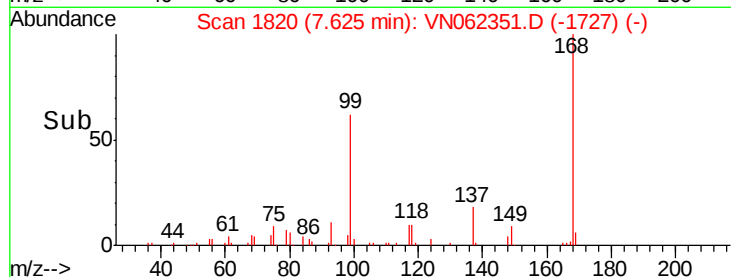
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062351.D

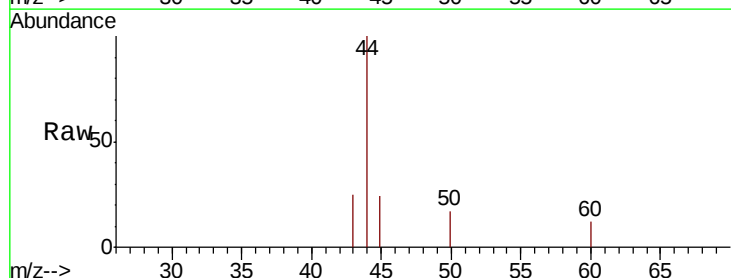
Acq: 2 Jul 2020 22:31

Tgt Ion: 50 Resp: 146

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

250

200

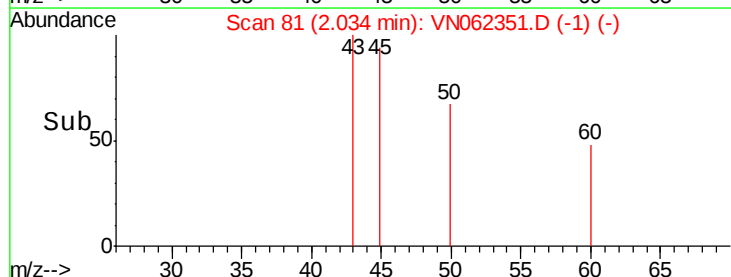
150

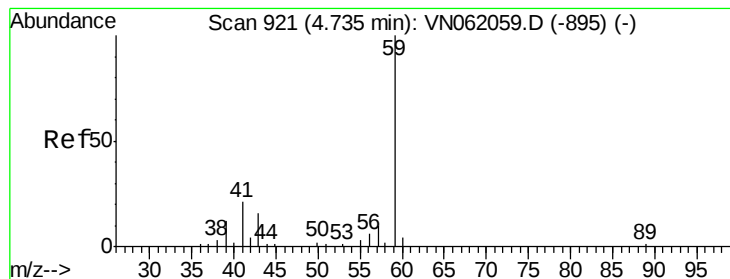
100

50

0

Time--> 2.02 2.03 2.04 2.05



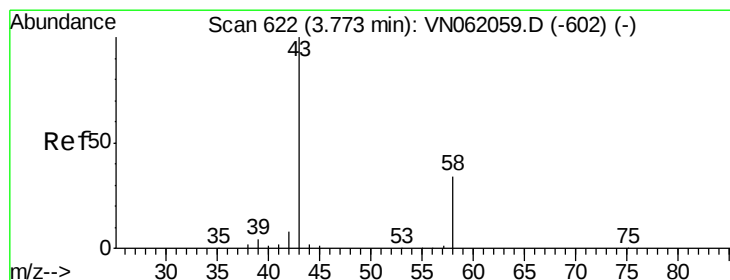
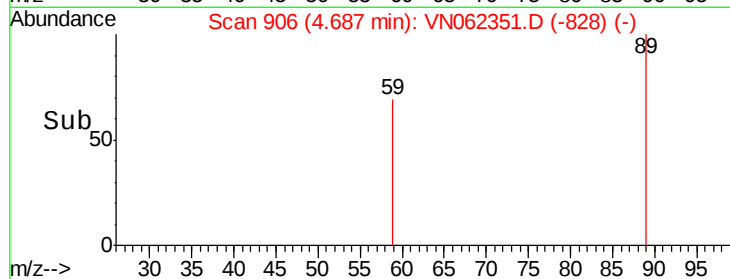
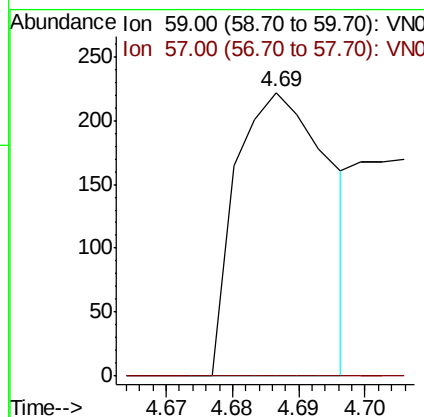
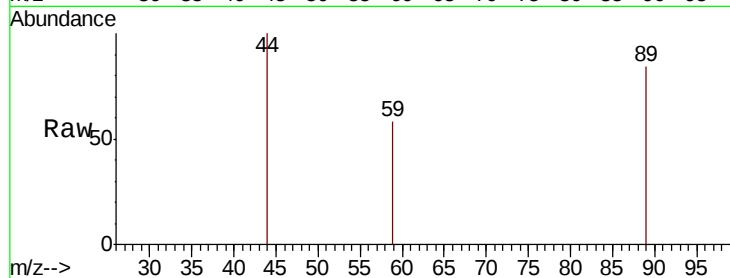


#11

Tert butyl alcohol
 Concen: 0.838 ug/l
 RT: 4.69 min Scan# 906
 Delta R.T. -0.05 min
 Lab File: VN062351.D
 Acq: 2 Jul 2020 22:31

Instrument :
 MSVOA_N
 ClientSampleId :

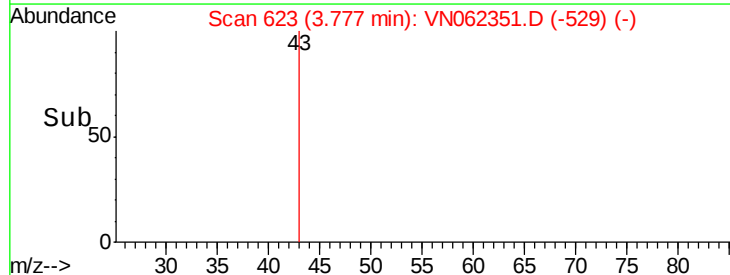
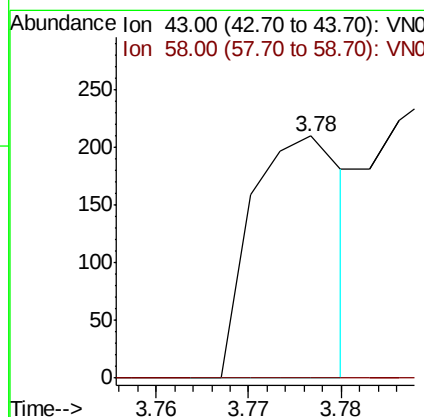
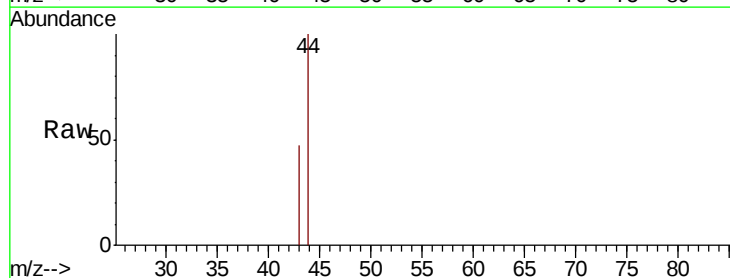
Tot Ion: 59 Resp: 218
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



#16

Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062351.D
 Acq: 2 Jul 2020 22:31

Tgt Ion: 43 Resp: 144
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 41.3#

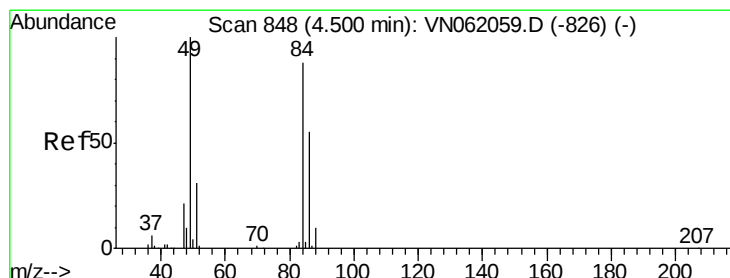
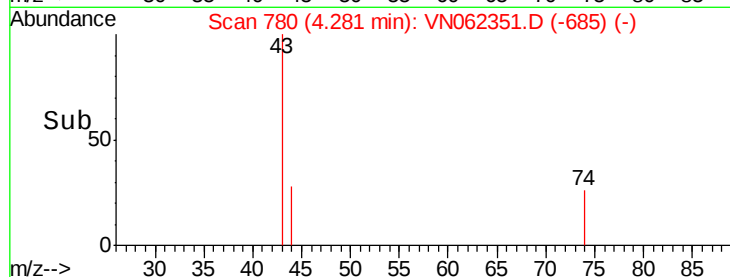
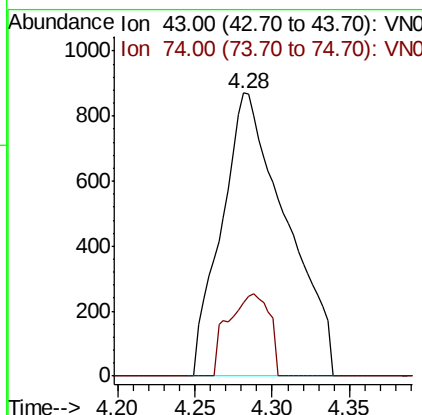
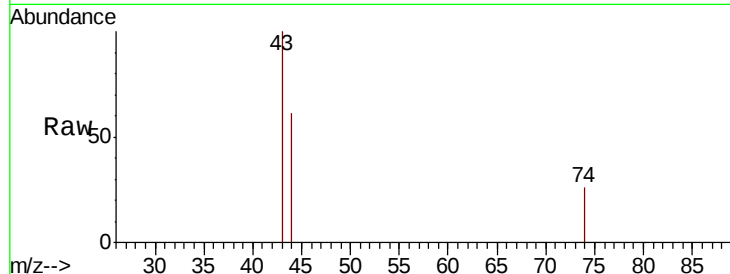




#18
Methyl Acetate
Concen: 1.754 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

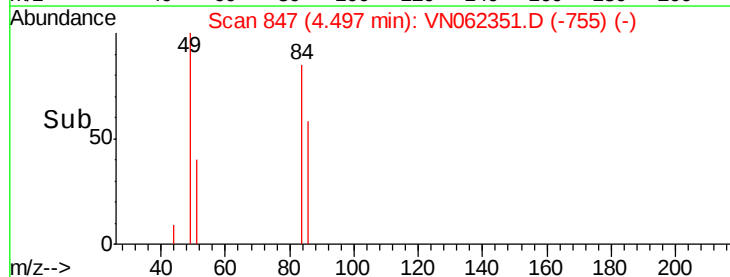
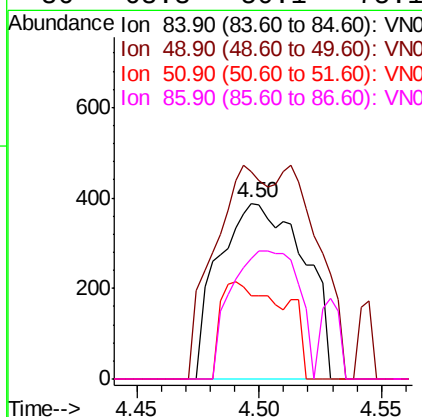
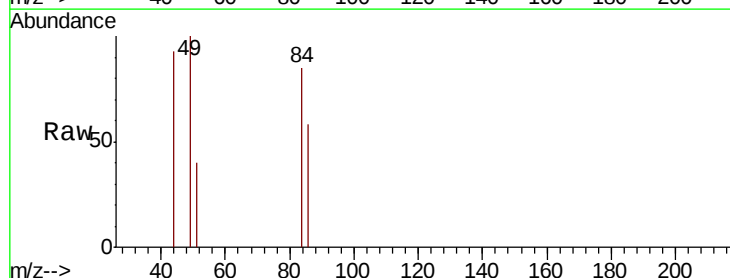
Instrument :
MSVOA_N
ClientSampled :

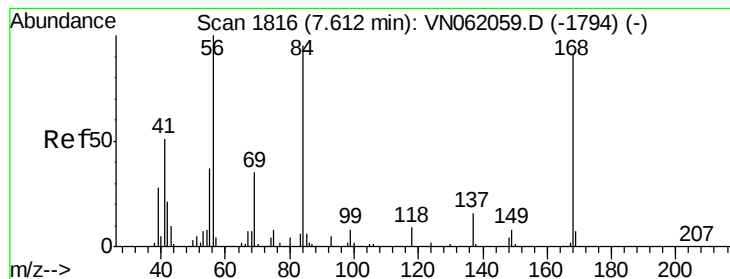
Tot Ion: 43 Resp: 2528
Ion Ratio Lower Upper
43 100
74 18.8 22.9 34.3#



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

Tgt Ion: 84 Resp: 940
Ion Ratio Lower Upper
84 100
49 118.3 90.6 136.0
51 47.7 27.8 41.8#
86 68.3 50.1 75.1





#31

Cyclohexane

Concen: 1.368 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062351.D

Acq: 2 Jul 2020 22:31

Instrument :
MSVOA_N
ClientSampled :

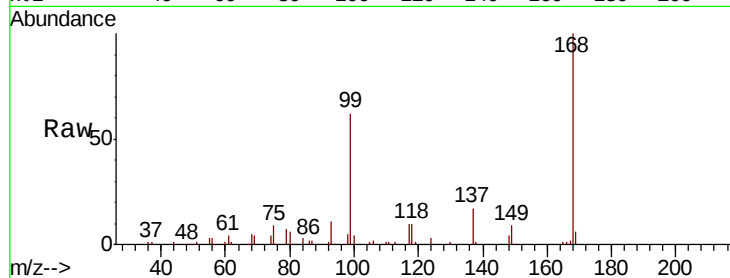
Tot Ion: 56 Resp: 3427

Ion Ratio Lower Upper

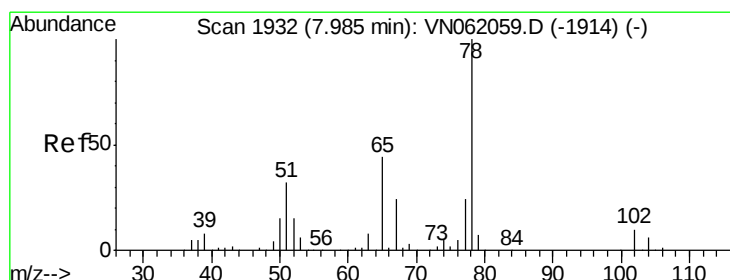
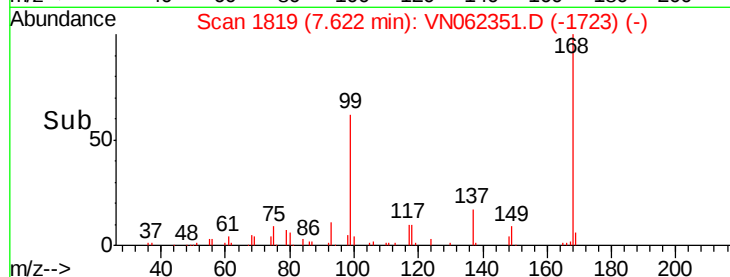
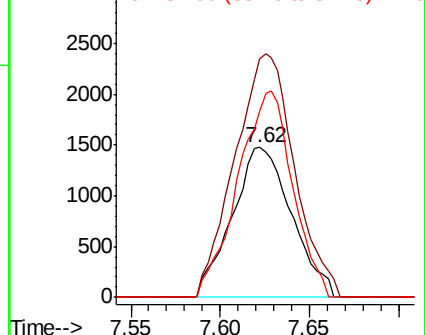
56 100

69 159.3 28.0 42.0#

84 124.1 76.1 114.1#



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



#33

1,2-Dichloroethane-d4

Concen: 57.481 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062351.D

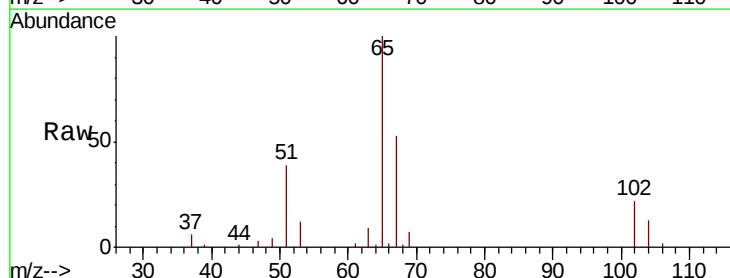
Acq: 2 Jul 2020 22:31

Tgt Ion: 65 Resp: 104192

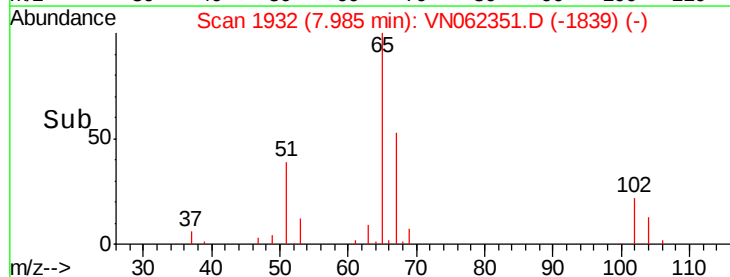
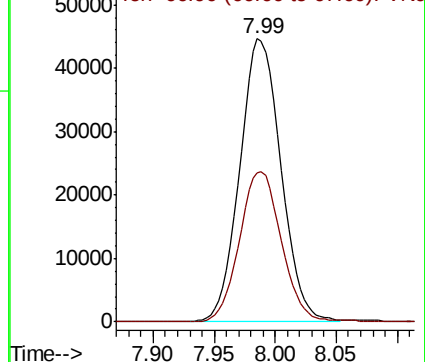
Ion Ratio Lower Upper

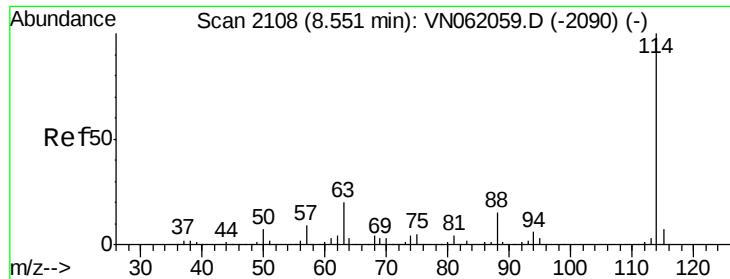
65 100

67 54.0 0.0 106.2



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

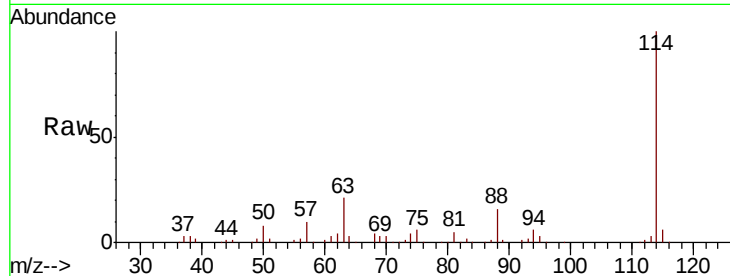




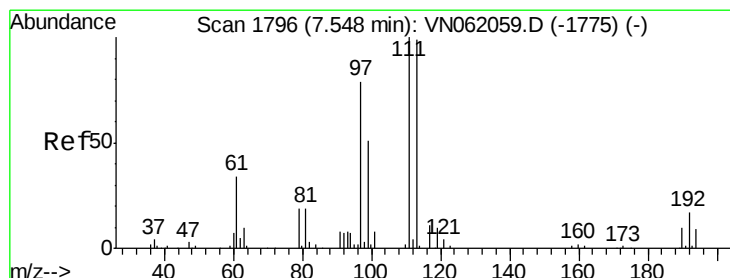
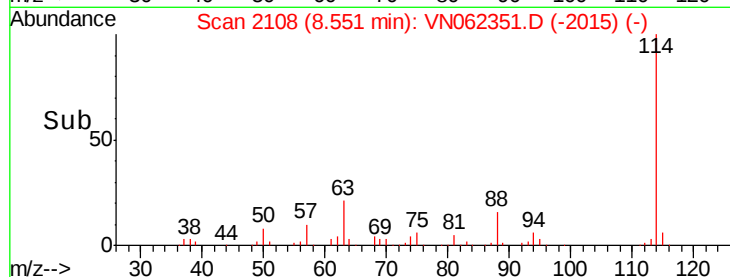
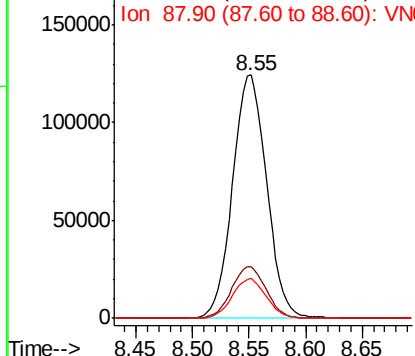
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062351.D
 Acq: 2 Jul 2020 22:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 261088
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.2
 88 16.3 0.0 30.8

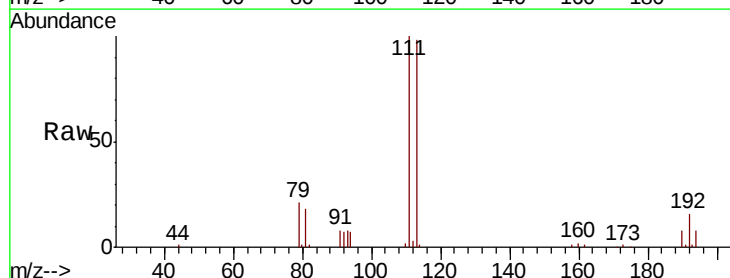


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

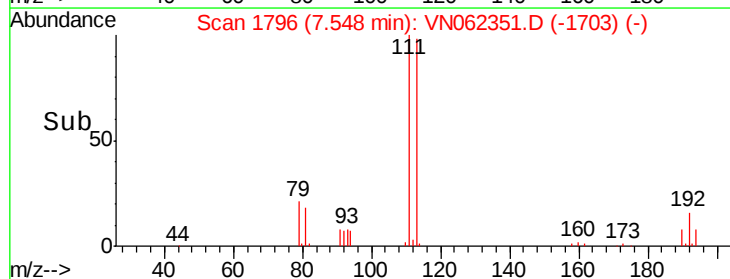
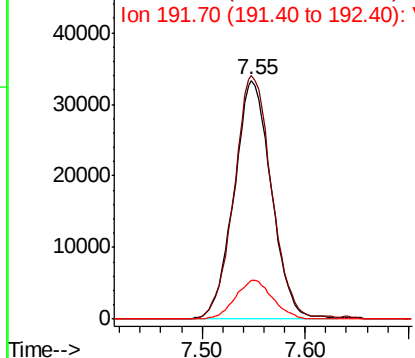


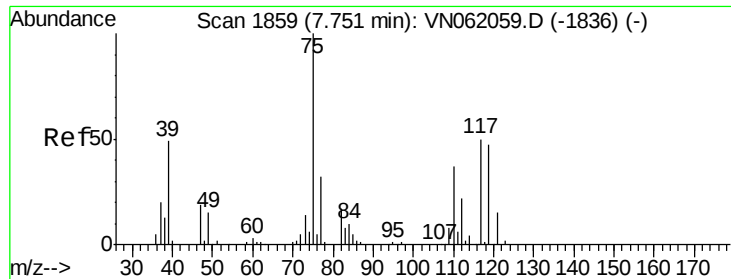
#35
 Dibromofluoromethane
 Concen: 50.066 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062351.D
 Acq: 2 Jul 2020 22:31

Tgt Ion:113 Resp: 83861
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 16.2 14.0 21.0



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

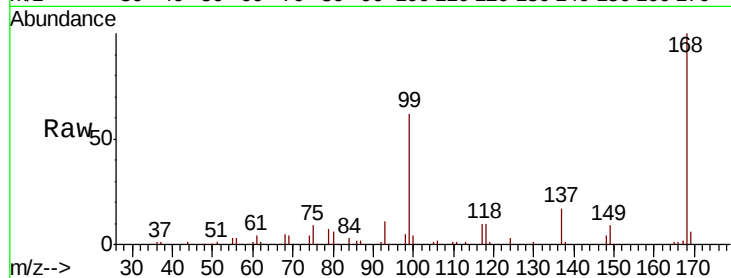




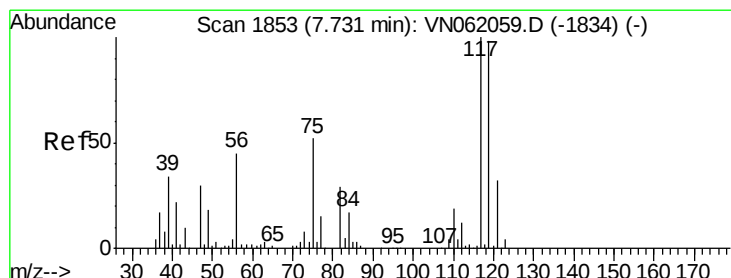
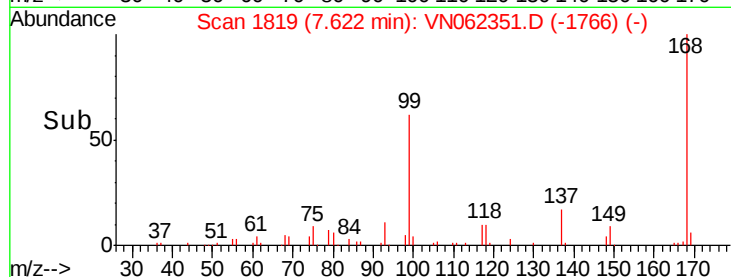
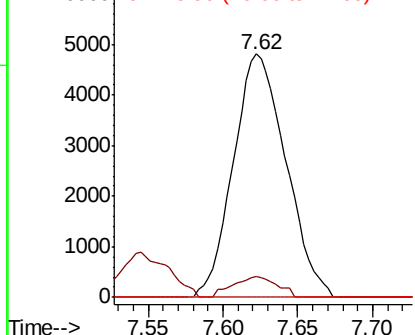
#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062351.D
 Acq: 2 Jul 2020 22:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 11752
 Ion Ratio Lower Upper
 75 100
 110 7.1 17.9 53.8#
 77 0.0 24.9 37.3#

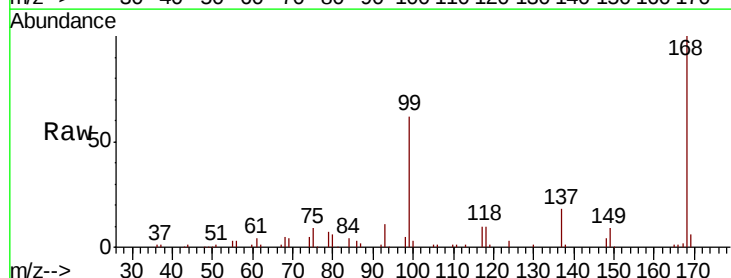


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

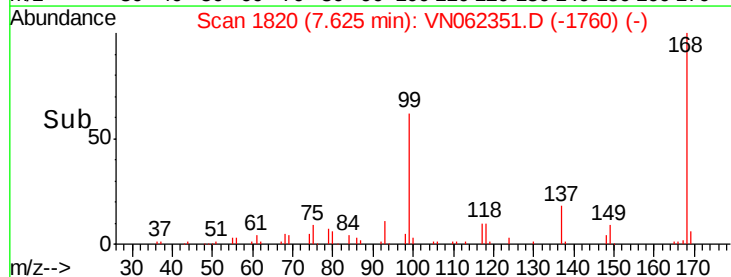
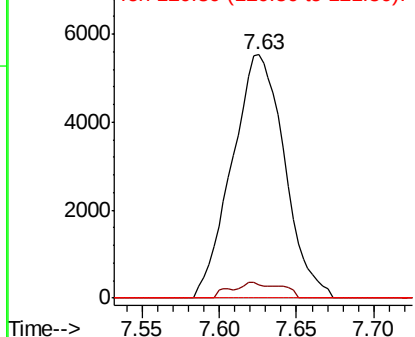


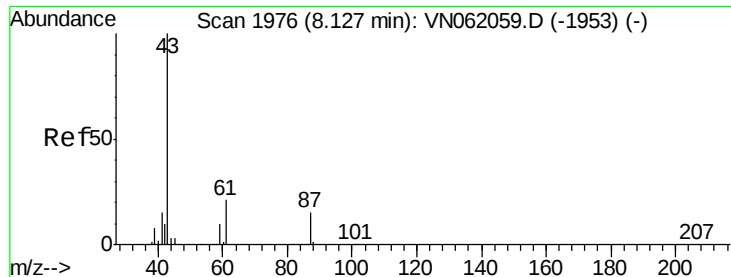
#38
 Carbon Tetrachloride
 Concen: 5.286 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062351.D
 Acq: 2 Jul 2020 22:31

Tgt Ion: 117 Resp: 13078
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.2 117.2#
 121 0.0 25.8 38.6#



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

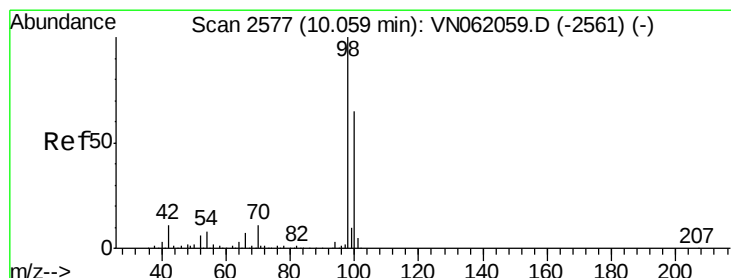
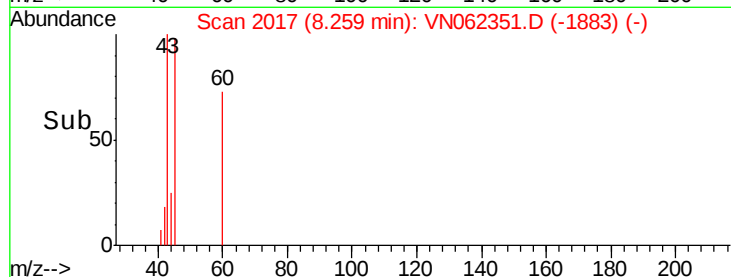
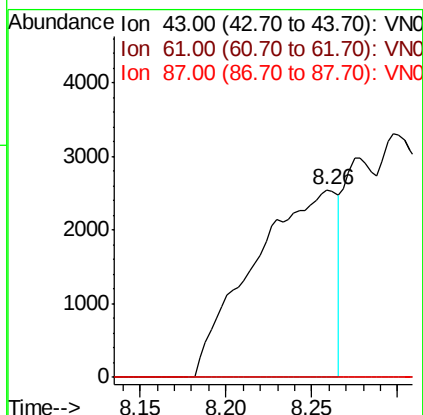
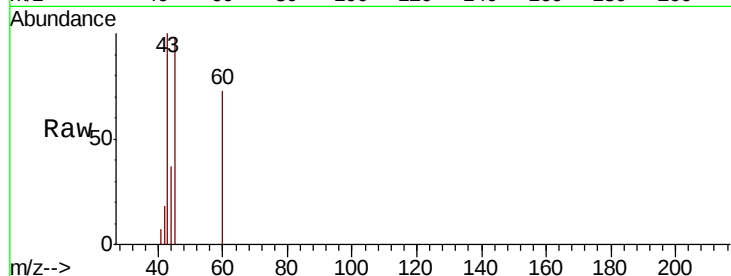




#43
Isopropyl Acetate
Concen: 2.423 ug/l
RT: 8.26 min Scan# 2017
Delta R.T. 0.13 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

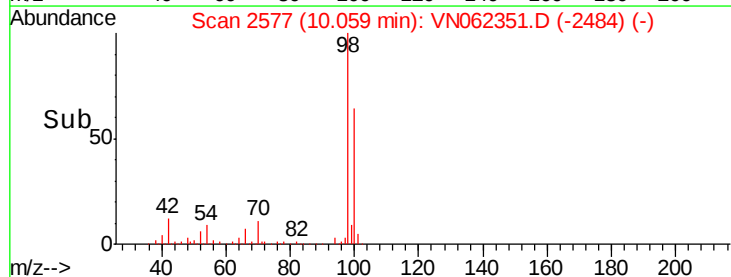
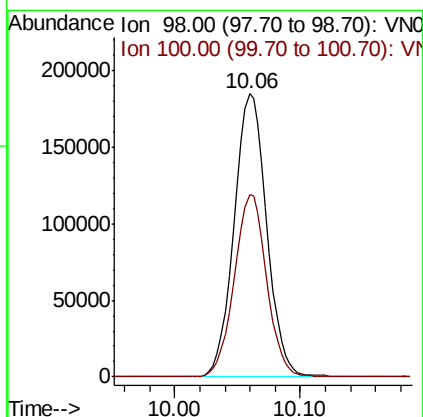
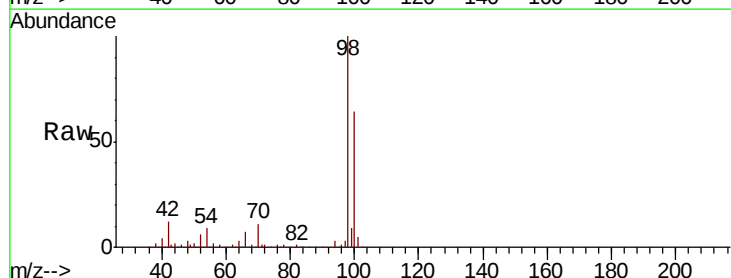
Instrument :
MSVOA_N
ClientSampleId :

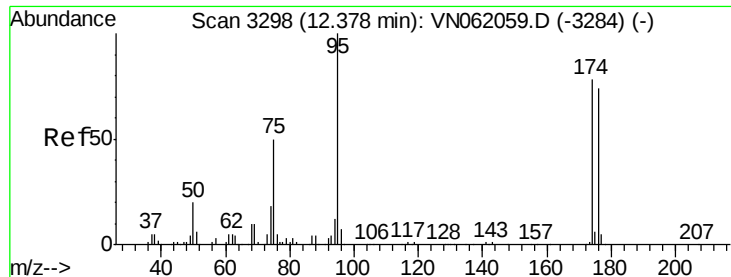
Tot Ion: 43 Resp: 8582
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 12.1 18.1#



#50
Toluene-d8
Concen: 49.933 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

Tgt Ion: 98 Resp: 334329
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8

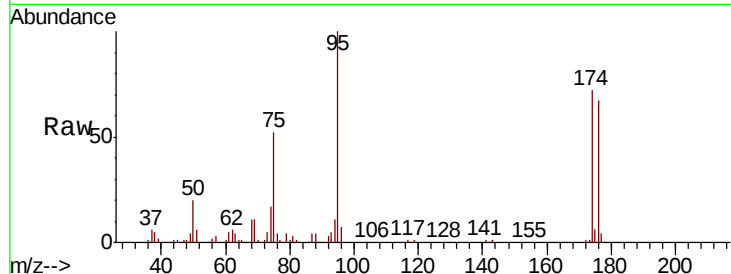




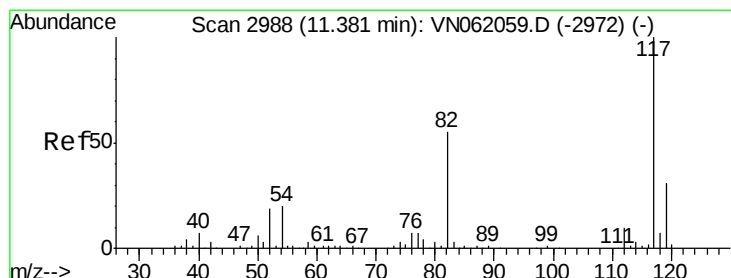
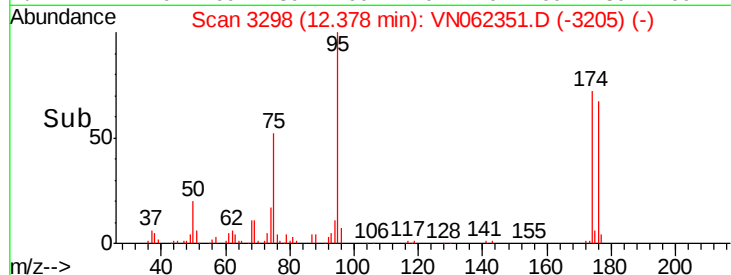
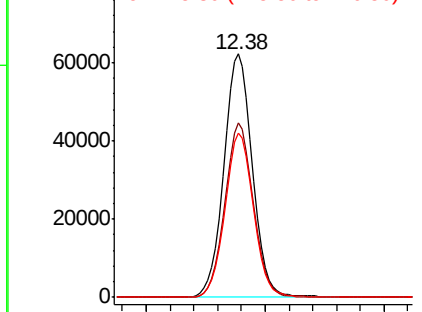
#62
4-Bromofluorobenzene
Concen: 45.558 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	95	Resp	103059
Ion Ratio	100		
Lower			
Upper			
174	71.4	0.0	154.8
176	67.5	0.0	147.4

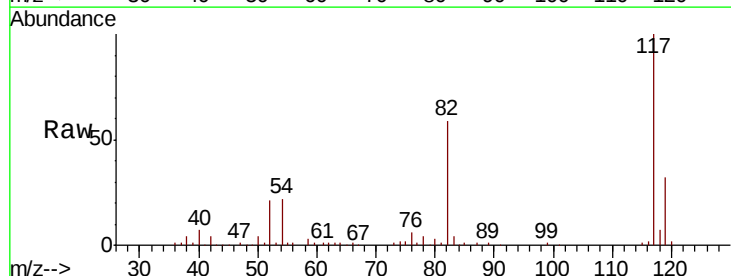


Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)

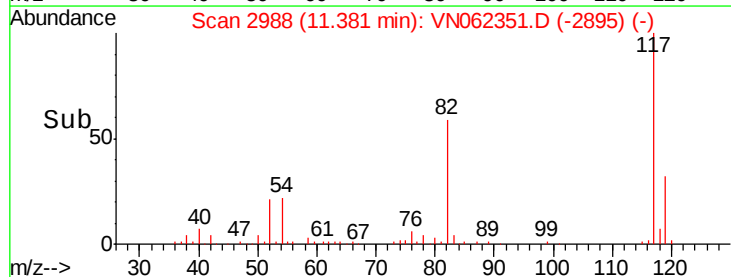
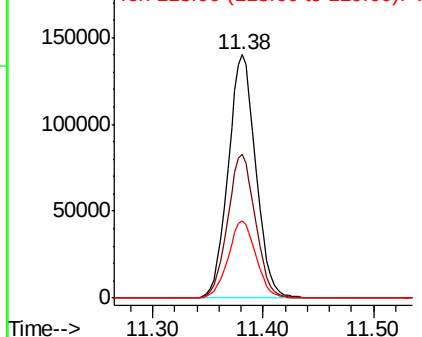


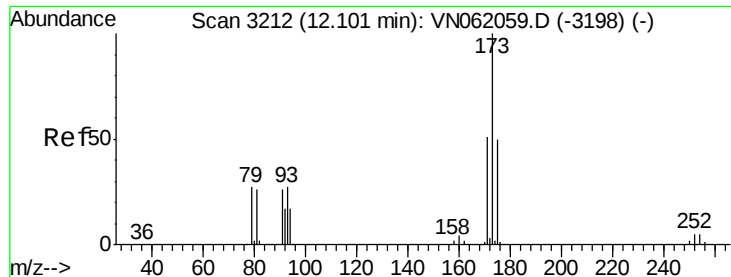
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

Tgt Ion	117	Resp	242939
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	59.0	43.8	65.8
119	31.6	25.2	37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062059.D (-2972) (-)





#71

Bromoform

Concen: 0.692 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062351.D

Acq: 2 Jul 2020 22:31

Instrument :

MSVOA_N

ClientSampled :

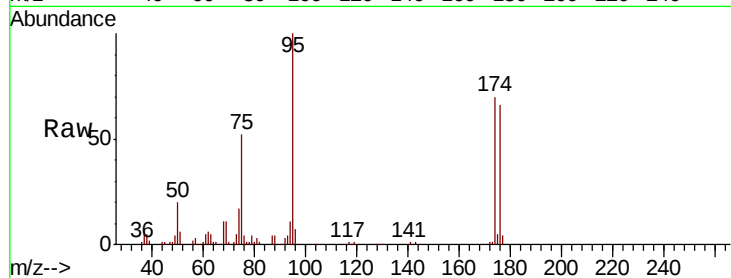
Tot Ion:173 Resp: 908

Ion Ratio Lower Upper

173 100

175 507.7 24.7 74.1#

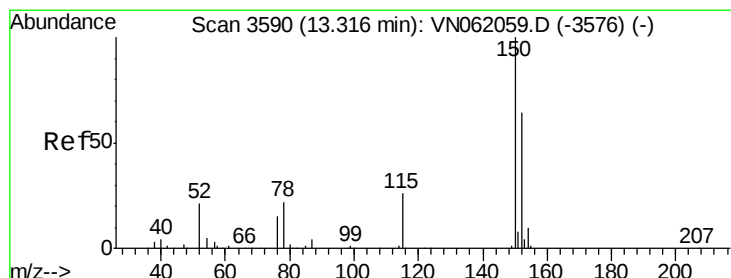
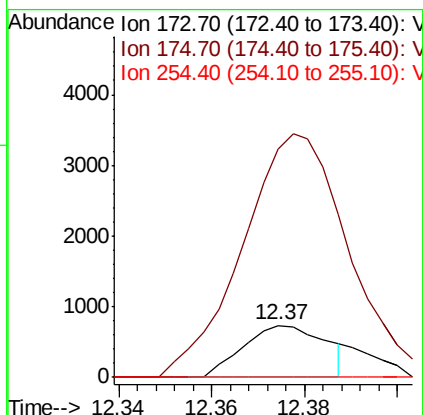
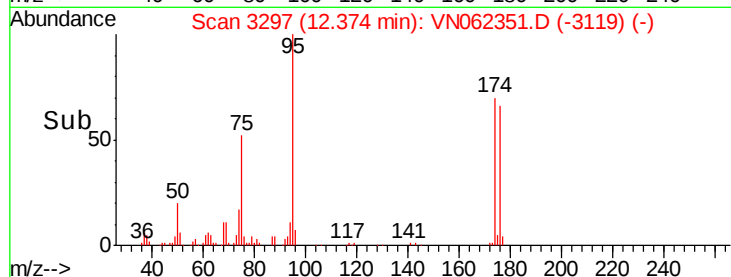
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062351.D

Acq: 2 Jul 2020 22:31

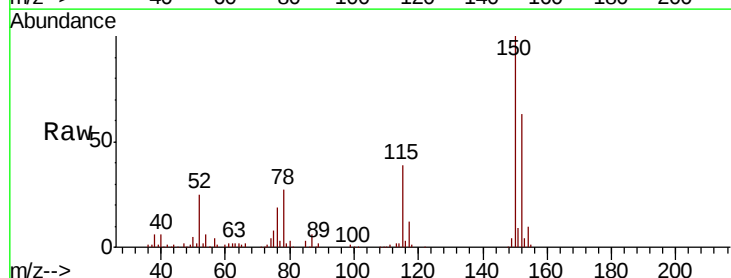
Tgt Ion:152 Resp: 83313

Ion Ratio Lower Upper

152 100

115 61.4 29.5 88.5

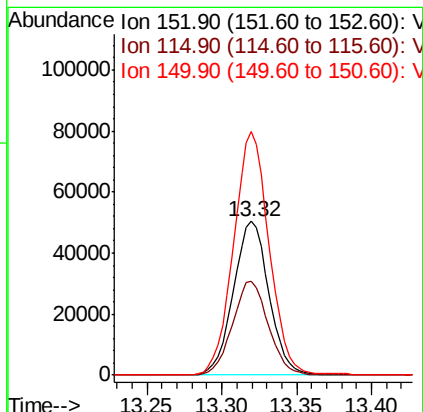
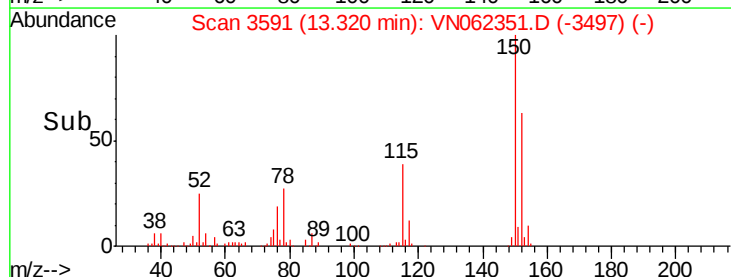
150 158.4 0.0 351.4

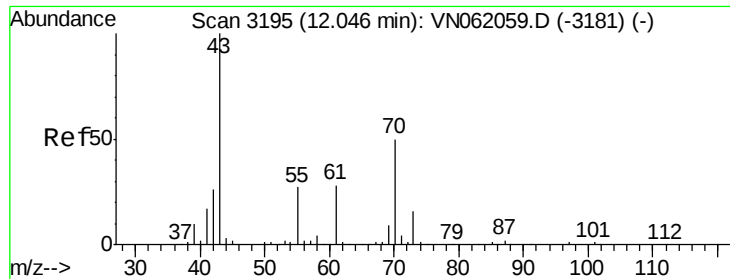


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

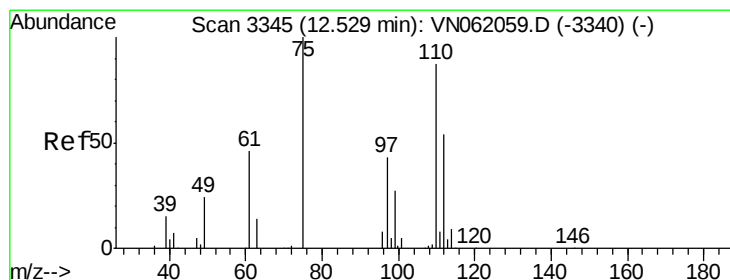
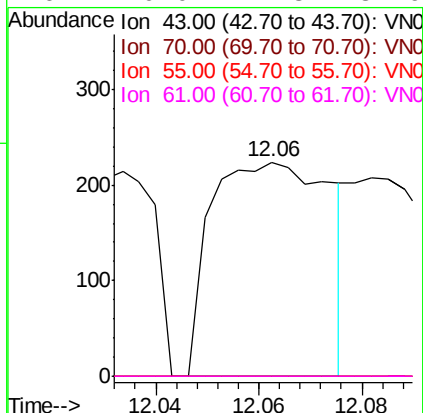
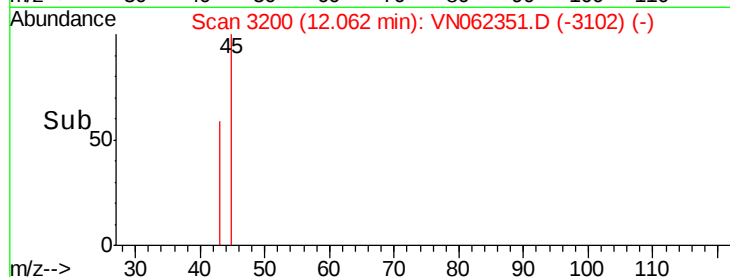
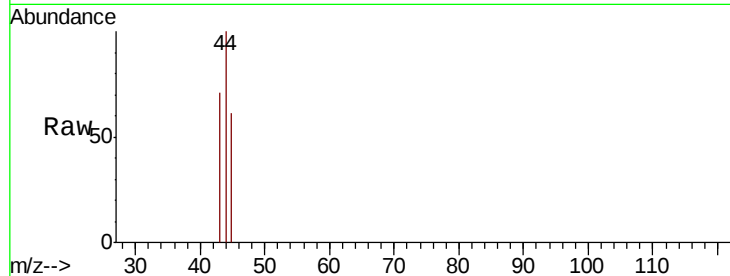




#74
N-amvl acetate
Concen: 3.484 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.02 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

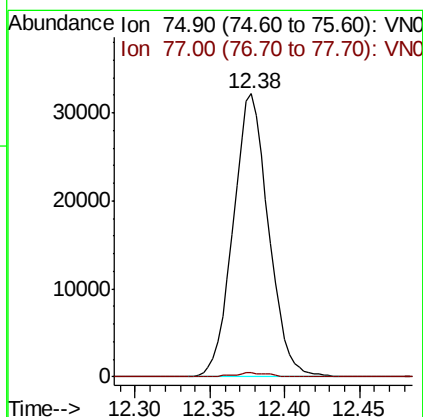
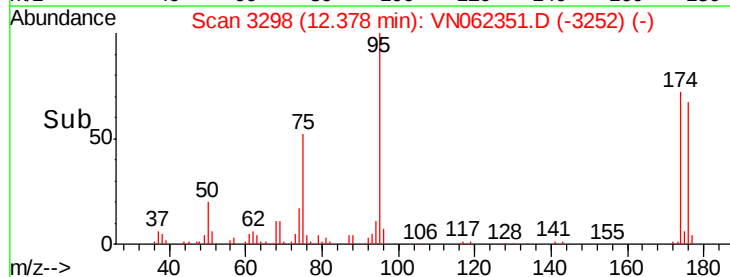
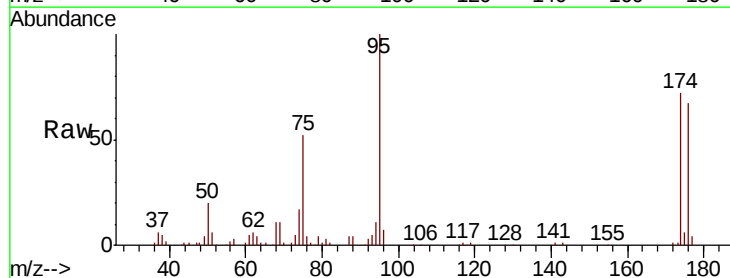
Instrument :
MSVOA_N
ClientSampleId :

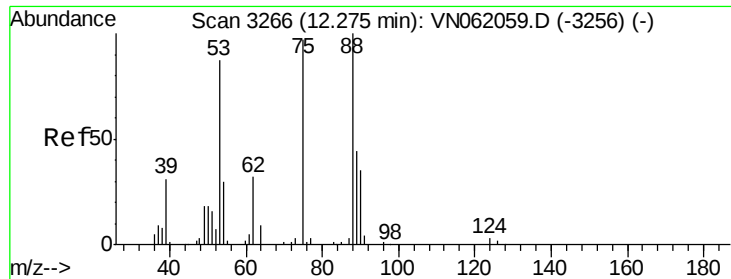
Tot Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
70 0.0 39.4 59.2#
55 0.0 21.7 32.5#
61 0.0 21.3 31.9#



#76
1,2,3-Trichloropropane
Concen: 26.932 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062351.D
Acq: 2 Jul 2020 22:31

Tgt Ion: 75 Resp: 52820
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 78.651 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062351.D

Acq: 2 Jul 2020 22:31

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 52820

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

