

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062350.D
 Acq On : 2 Jul 2020 22:07
 Operator : JC/MD
 Sample : L3151-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 00:37:43 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	119620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89979	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	101507	60.47	ug/l	0.00
Spiked Amount			Recovery	=	120.94%	
35) Dibromofluoromethane	7.55	113	78852	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.06	98	328495	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.38	95	105499	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

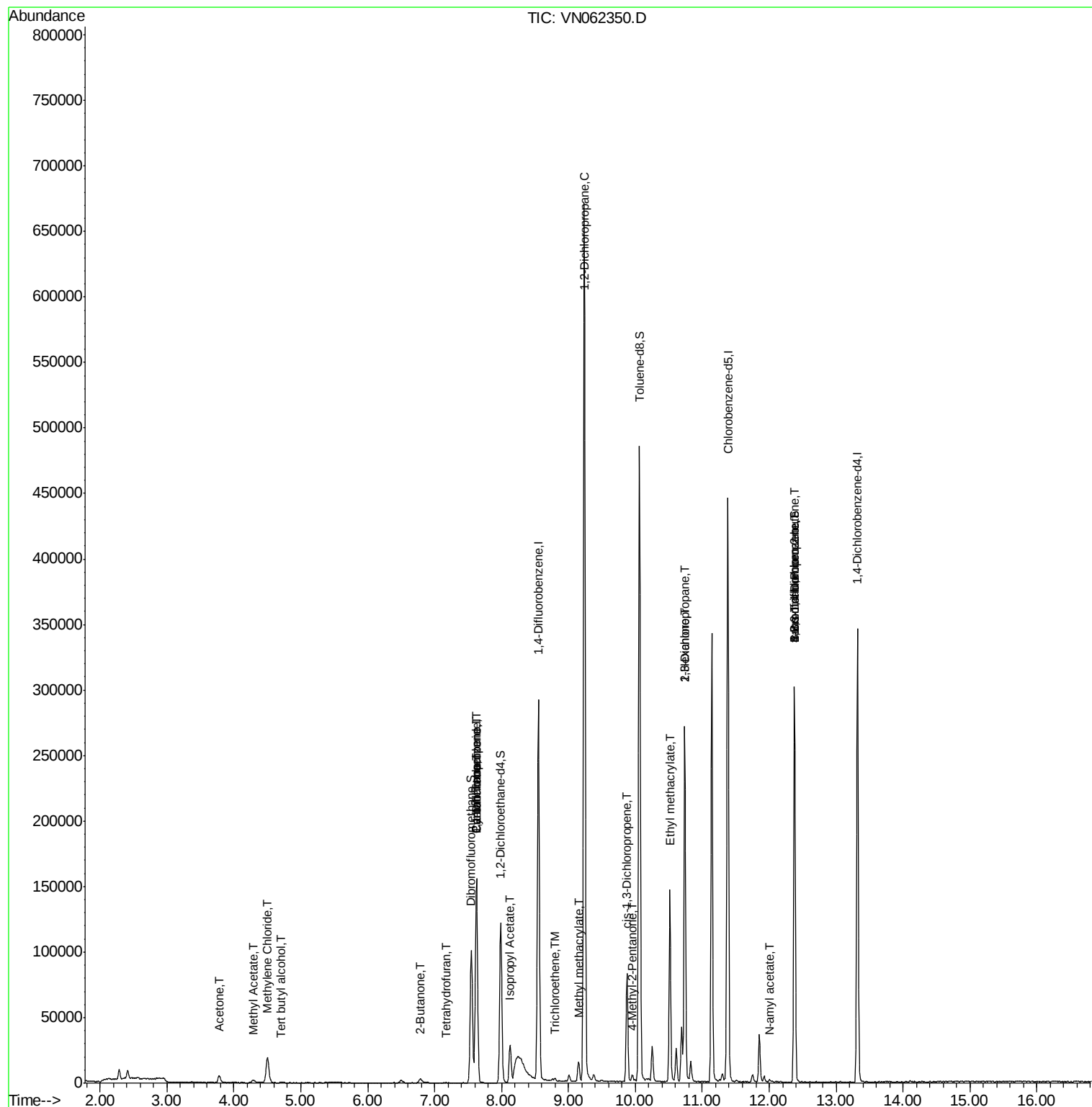
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	112	Below Cal	#	41
11) Tert butyl alcohol	4.71	59	163	0.676	ug/l #	72
16) Acetone	3.77	43	10337	15.823	ug/l	91
18) Methyl Acetate	4.29	43	4560	3.417	ug/l #	69
20) Methylene Chloride	4.50	84	15038	9.583	ug/l	93
25) 2-Butanone	6.79	43	4151	5.059	ug/l	95
29) Tetrahydrofuran	7.17	42	124	0.231	ug/l #	28
31) Cyclohexane	7.62	56	3136	1.352	ug/l #	26
36) 1,1-Dichloropropene	7.63	75	11296	4.475	ug/l #	47
38) Carbon Tetrachloride	7.63	117	12385	5.204	ug/l #	16
43) Isopropyl Acetate	8.13	43	32598	9.566	ug/l	99
44) Trichloroethene	8.80	130	399	0.206	ug/l	99
45) 1,2-Dichloropropane	9.23	63	760	0.400	ug/l #	43
48) Methyl methacrylate	9.15	41	2560	1.675	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	3227	1.621	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	15096	4.959	ug/l #	70
56) Ethyl methacrylate	10.51	69	788	0.320	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2737	0.862	ug/l #	42
59) 2-Hexanone	10.74	43	37974	26.414	ug/l #	51
71) Bromoform	12.38	173	878	0.652	ug/l #	1
74) N-amyl acetate	12.00	43	1269	3.805	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	55508	26.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55508	76.530	ug/l #	13

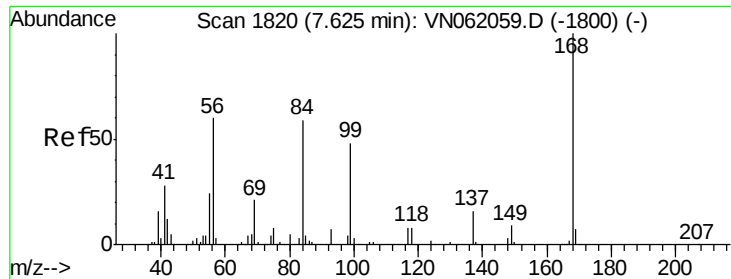
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070220\
Data File : VN062350.D
Acq On : 2 Jul 2020 22:07
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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Quant Time: Jul 03 00:37:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
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: VN062350.D

Acq: 2 Jul 2020 22:07

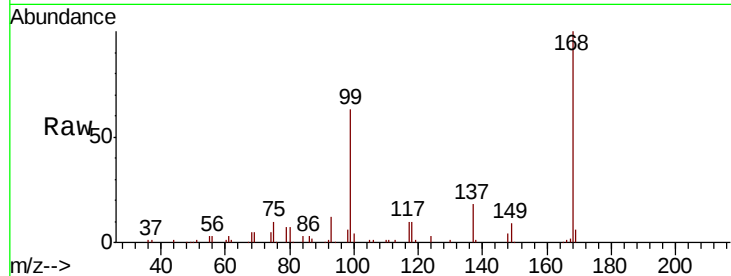
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 119620

Ion Ratio Lower Upper

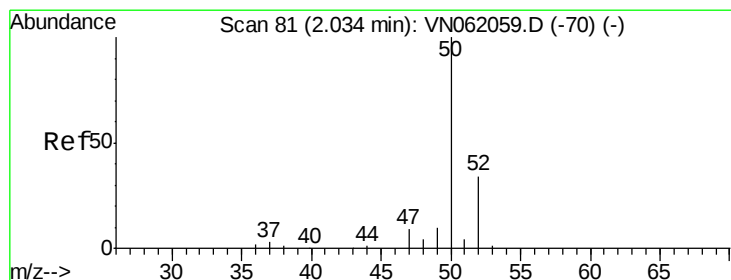
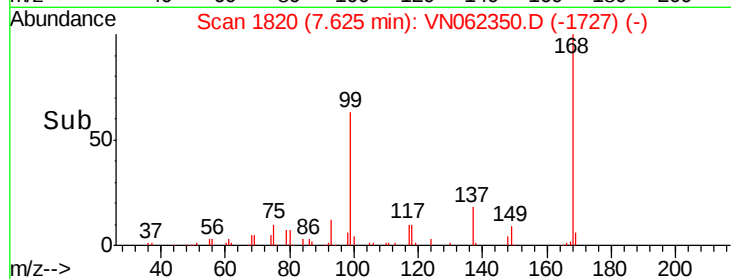
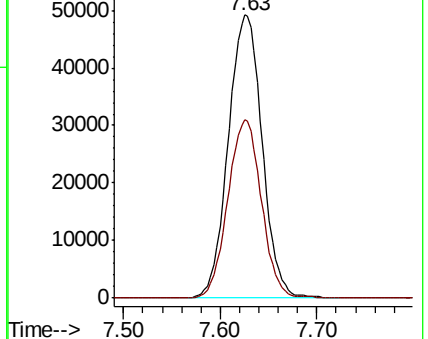
168 100

99 63.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062350.D

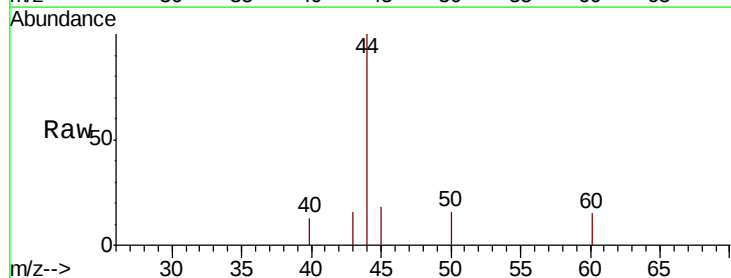
Acq: 2 Jul 2020 22:07

Tgt Ion: 50 Resp: 112

Ion Ratio Lower Upper

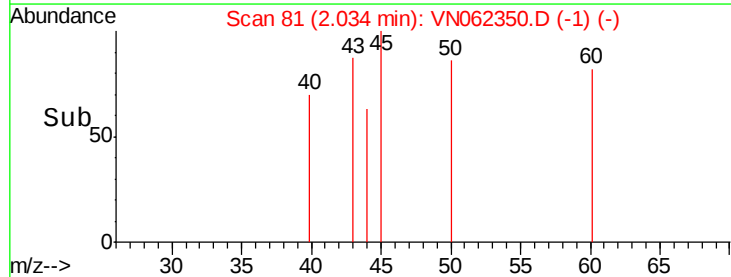
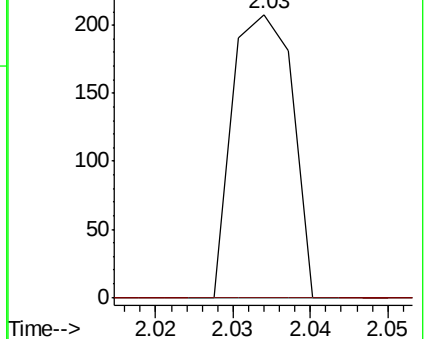
50 100

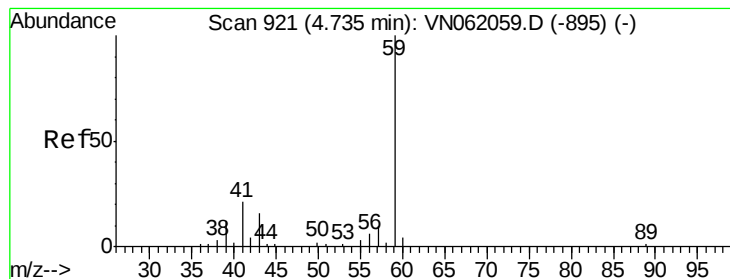
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



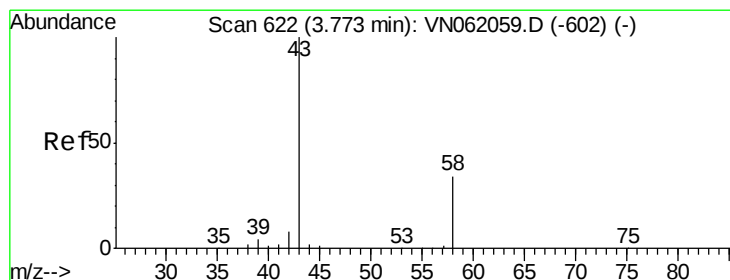
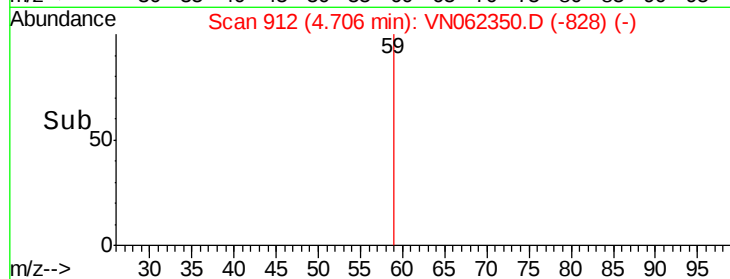
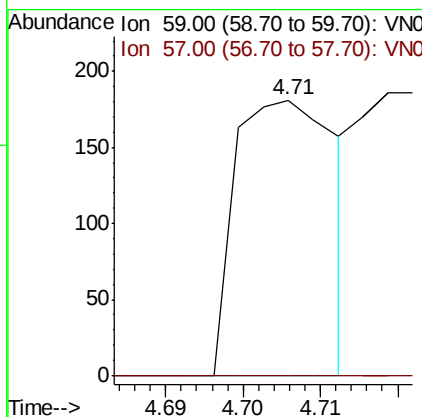
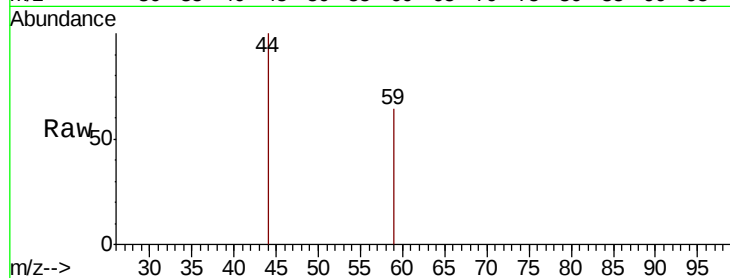


#11

Tert butyl alcohol
 Concen: 0.676 ug/l
 RT: 4.71 min Scan# 912
 Delta R.T. -0.03 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Instrument :
 MSVOA_N
 ClientSampled :

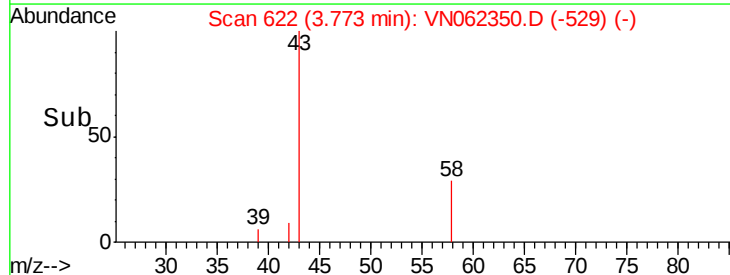
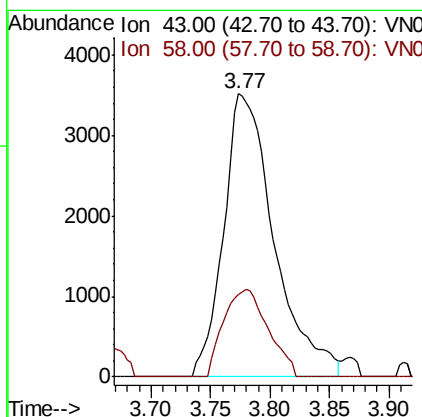
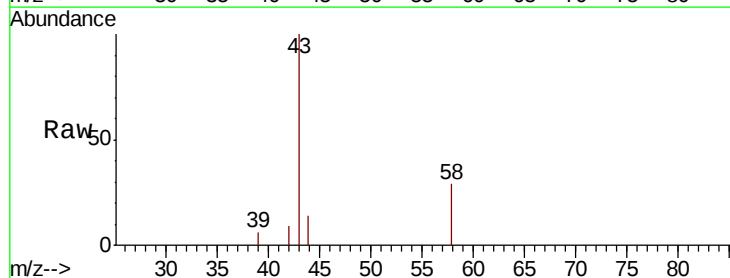
Tot Ion: 59 Resp: 163
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

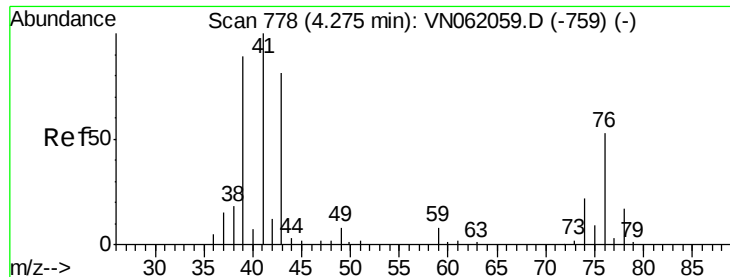


#16

Acetone
 Concen: 15.823 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Tgt Ion: 43 Resp: 10337
 Ion Ratio Lower Upper
 43 100
 58 29.4 27.5 41.3

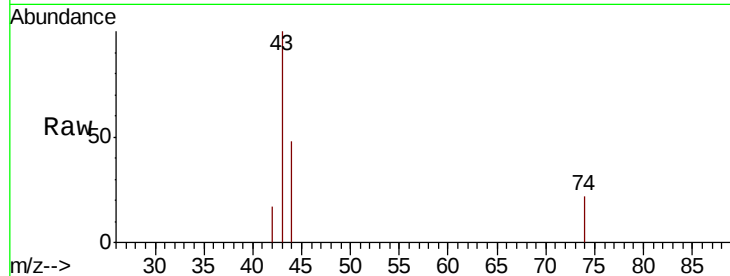




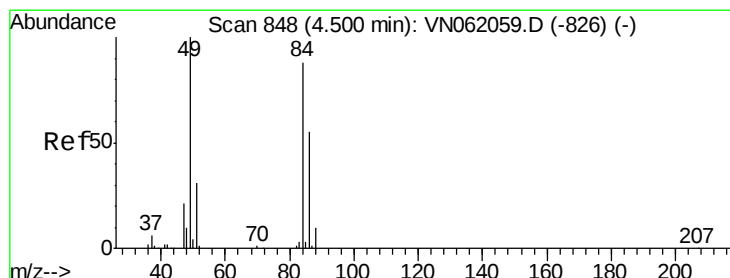
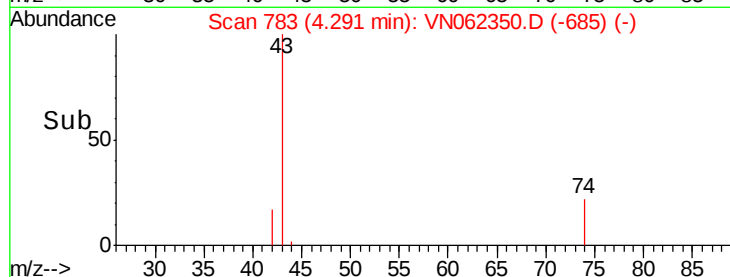
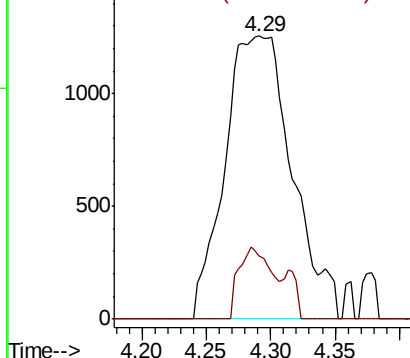
#18
Methyl Acetate
Concen: 3.417 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.02 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4560
Ion Ratio Lower Upper
43 100
74 12.3 22.9 34.3#

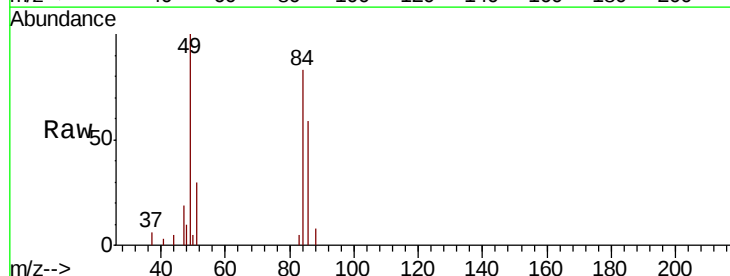


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

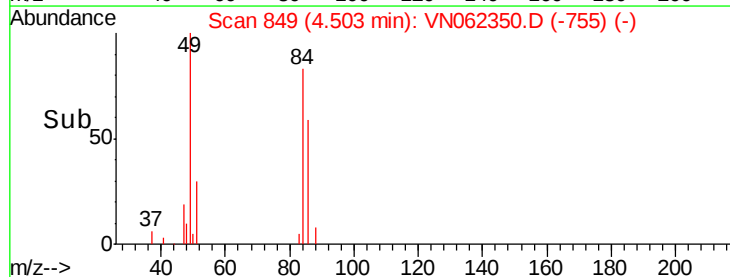
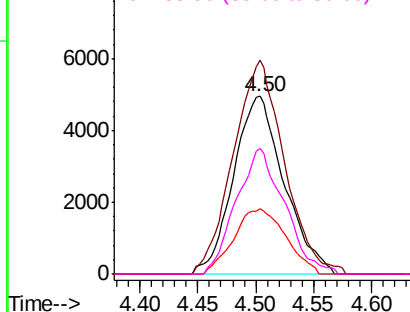


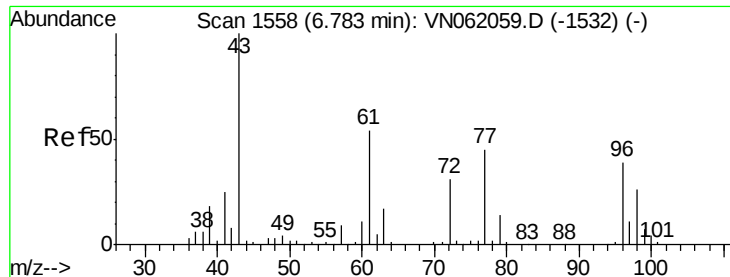
#20
Methylene Chloride
Concen: 9.583 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Tgt Ion: 84 Resp: 15038
Ion Ratio Lower Upper
84 100
49 120.3 90.6 136.0
51 36.4 27.8 41.8
86 70.8 50.1 75.1



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

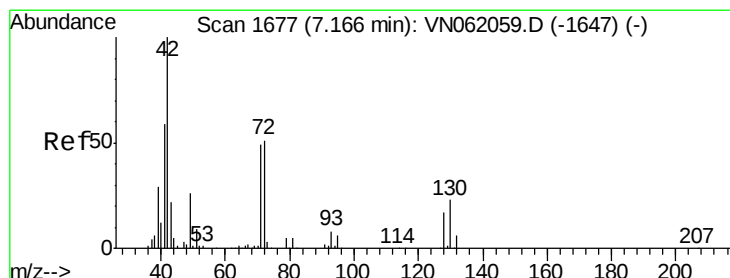
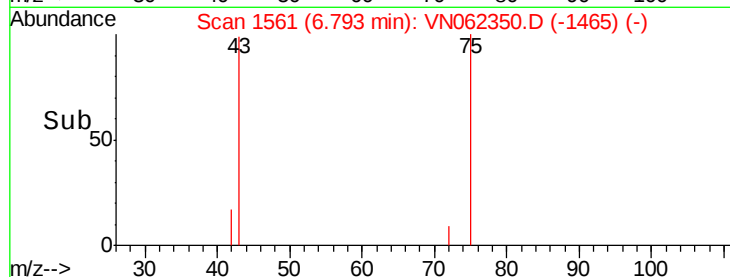
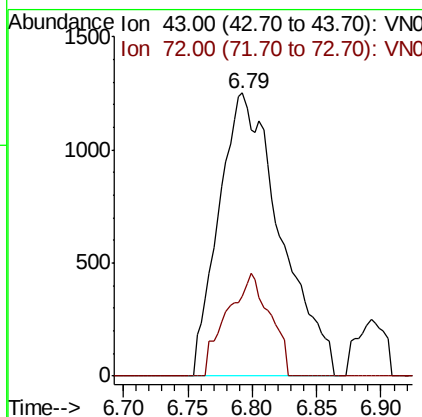
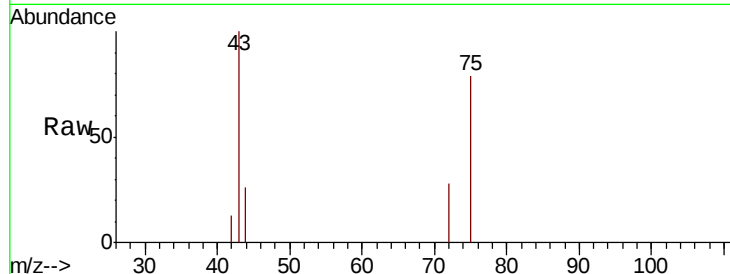




#25
2-Butanone
Concen: 5.059 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

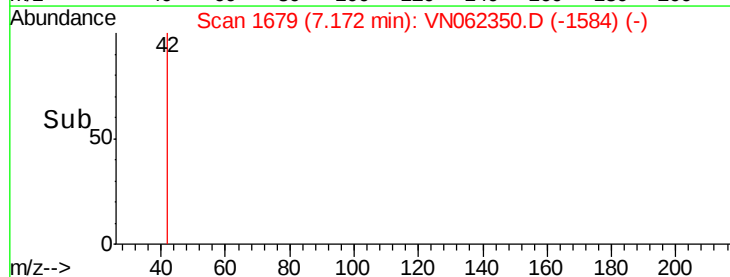
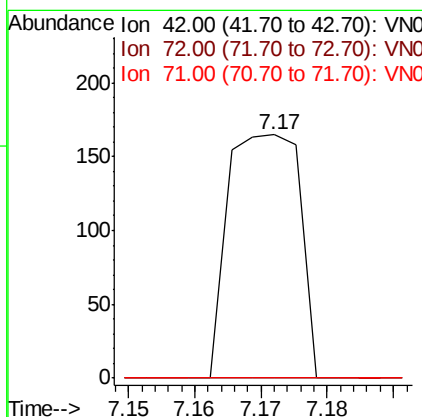
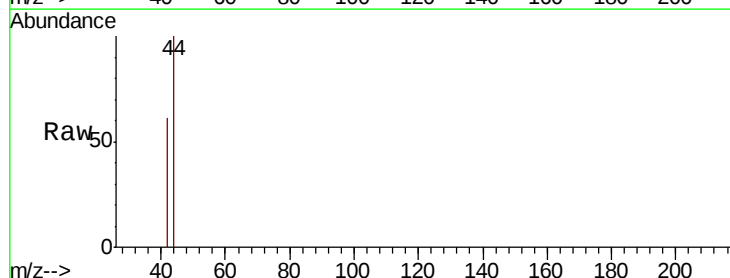
Instrument :
MSVOA_N
ClientSampled :

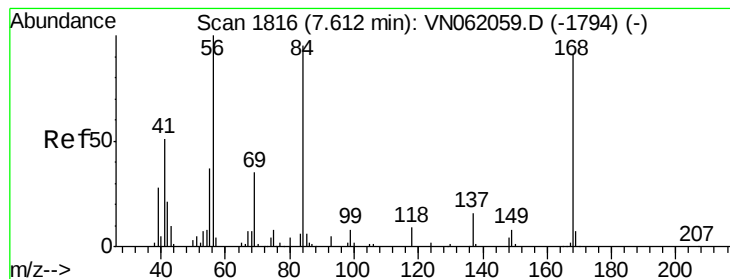
Tot Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
72 28.2 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Tgt Ion: 42 Resp: 124
Ion Ratio Lower Upper
42 100
72 0.0 41.1 61.7#
71 0.0 38.2 57.4#





#31

Cyclohexane

Concen: 1.352 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062350.D

Acq: 2 Jul 2020 22:07

Instrument :

MSVOA_N

ClientSampled :

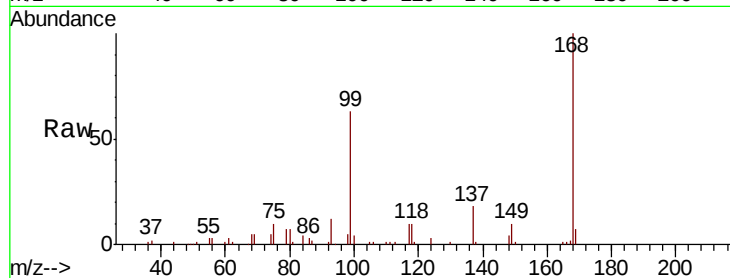
Tot Ion: 56 Resp: 3136

Ion Ratio Lower Upper

56 100

69 151.8 28.0 42.0#

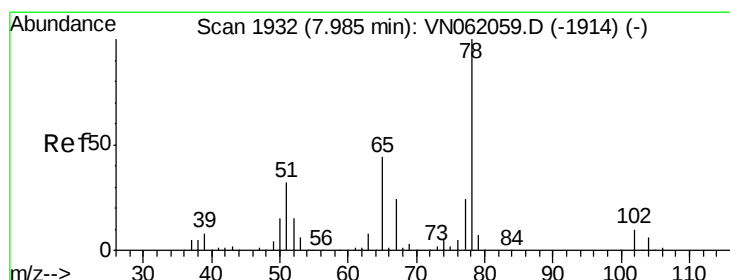
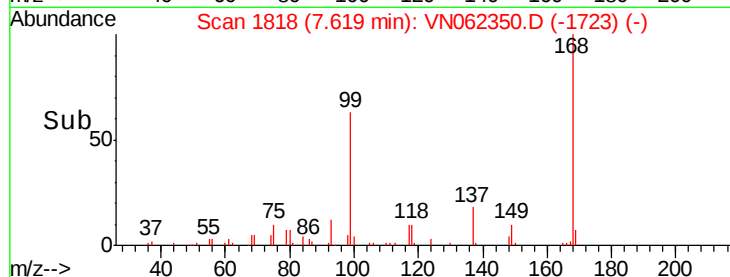
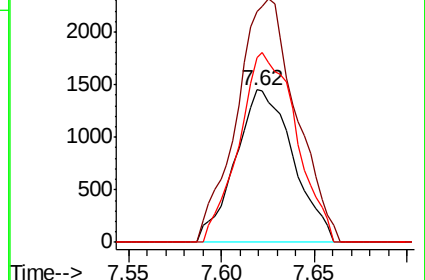
84 121.4 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062350.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062350.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062350.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 60.469 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062350.D

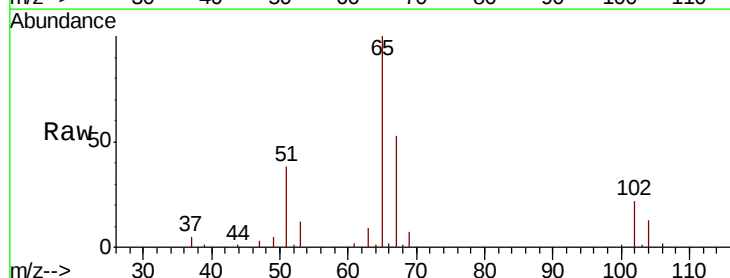
Acq: 2 Jul 2020 22:07

Tgt Ion: 65 Resp: 101507

Ion Ratio Lower Upper

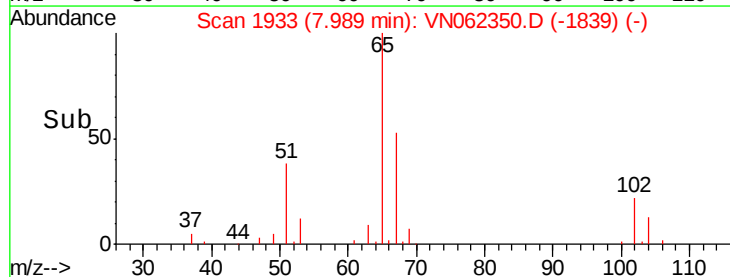
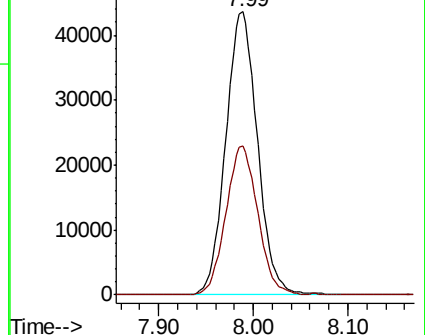
65 100

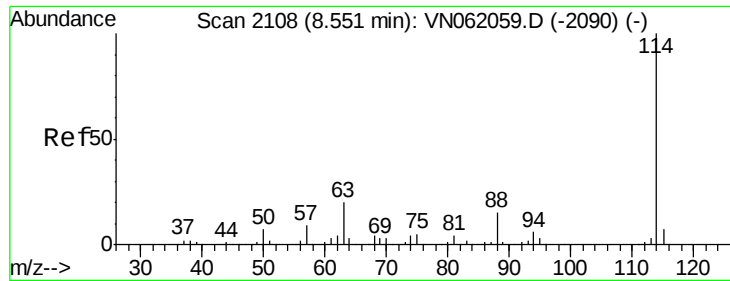
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062350.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062350.D (-1839) (-)

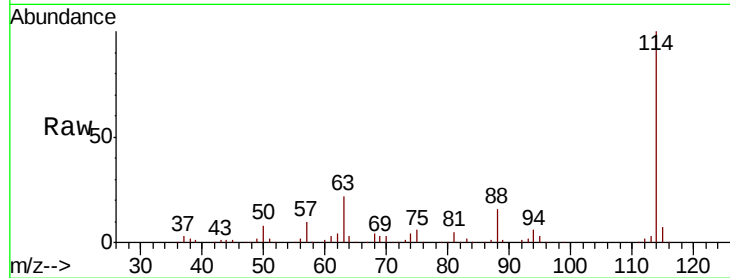




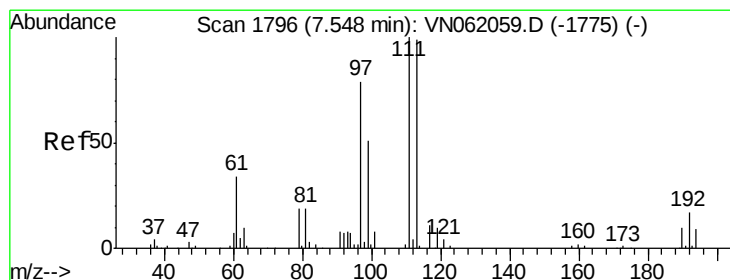
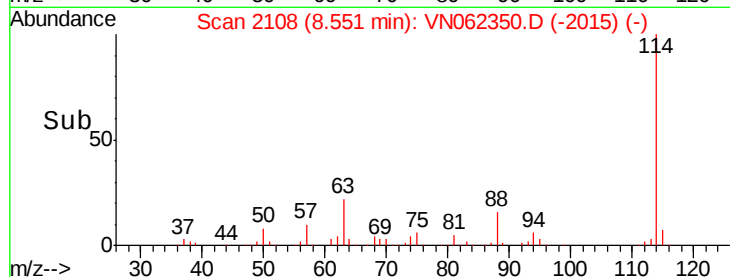
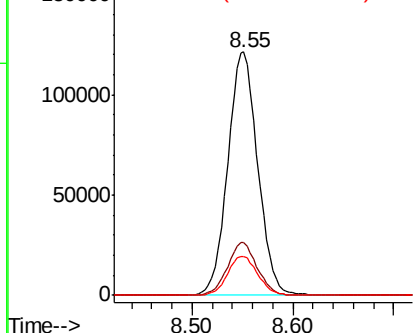
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 251153
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.2
 88 16.2 0.0 30.8

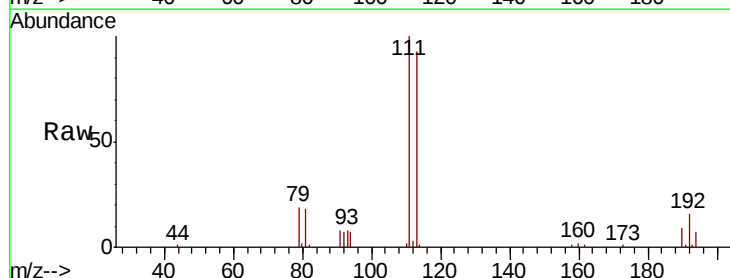


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

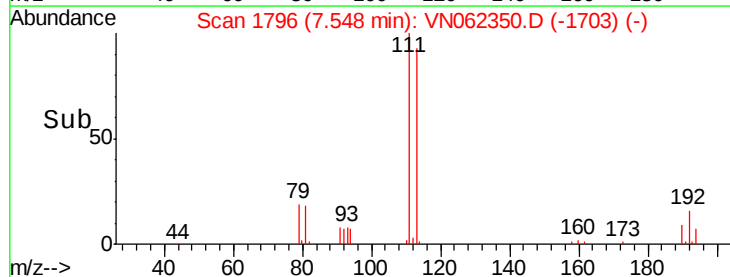
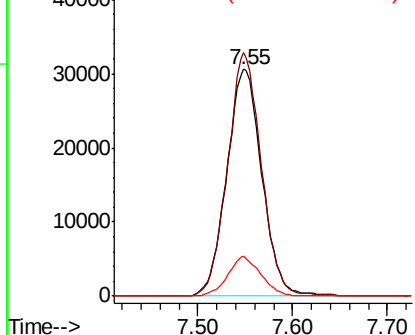


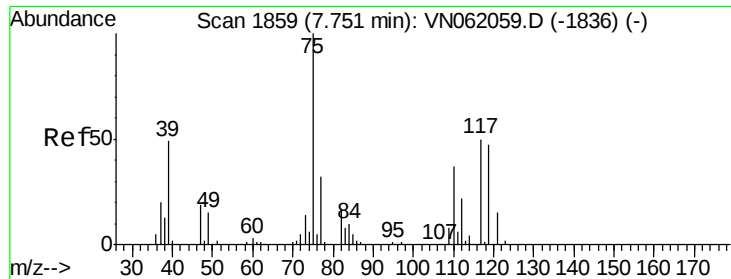
#35
 Dibromofluoromethane
 Concen: 48.938 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Tgt Ion:113 Resp: 78852
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 16.3 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

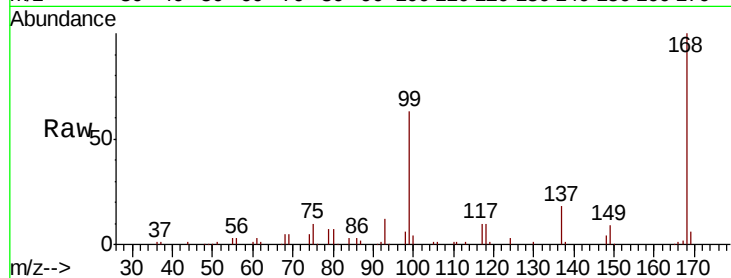




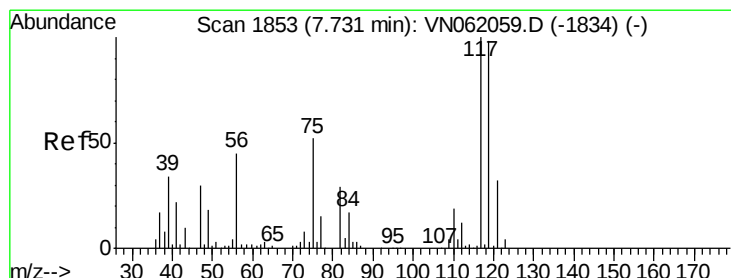
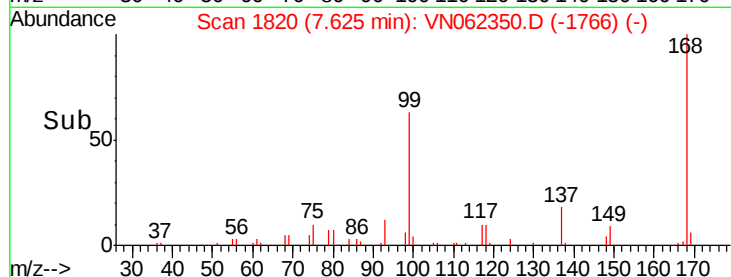
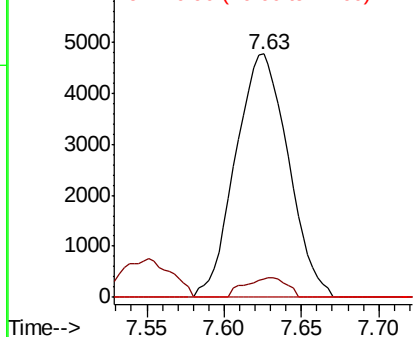
#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 11296
 Ion Ratio Lower Upper
 75 100
 110 6.3 17.9 53.8#
 77 0.0 24.9 37.3#

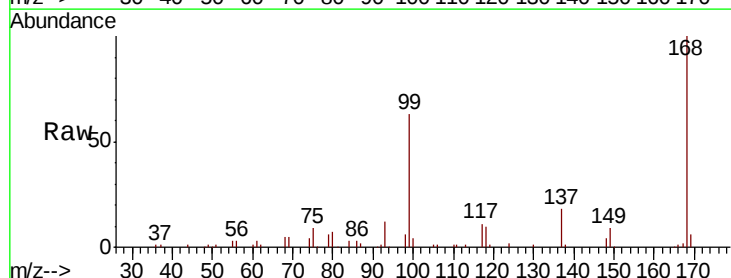


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

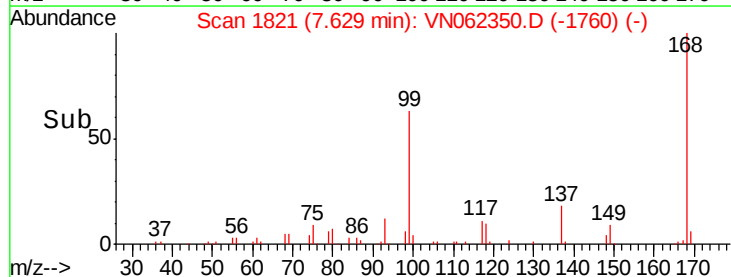
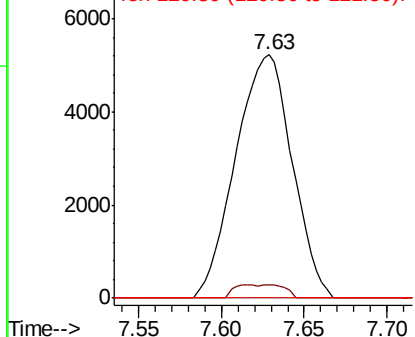


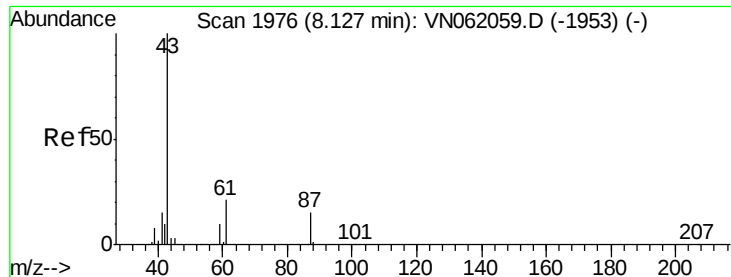
#38
 Carbon Tetrachloride
 Concen: 5.204 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Tgt Ion: 117 Resp: 12385
 Ion Ratio Lower Upper
 117 100
 119 5.6 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

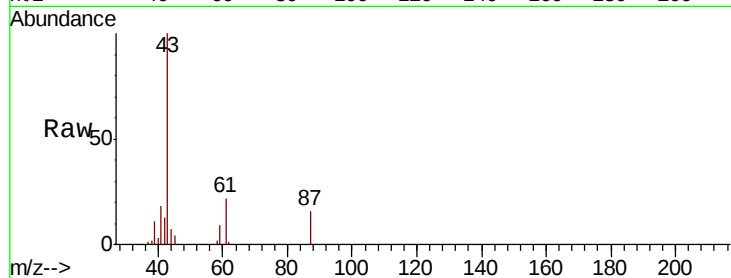




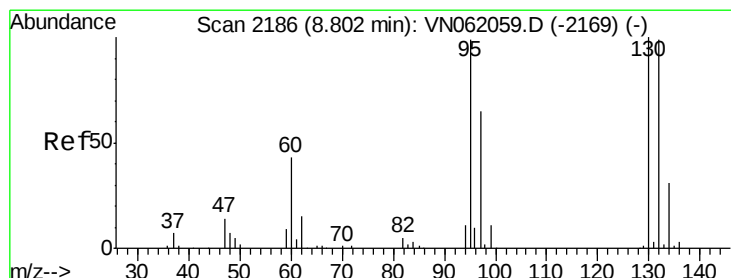
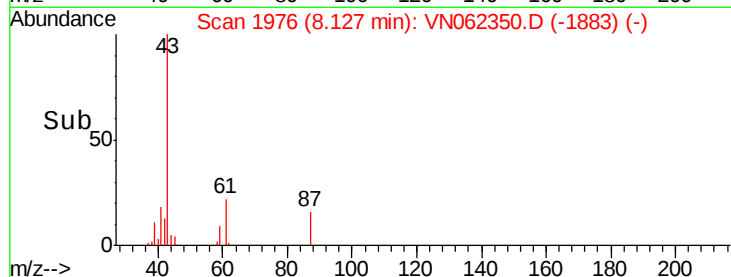
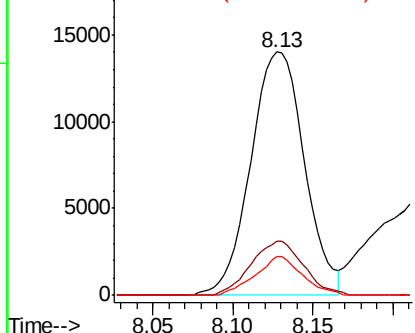
#43
Isopropyl Acetate
Concen: 9.566 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 32598
Ion Ratio Lower Upper
43 100
61 21.7 17.2 25.8
87 14.0 12.1 18.1

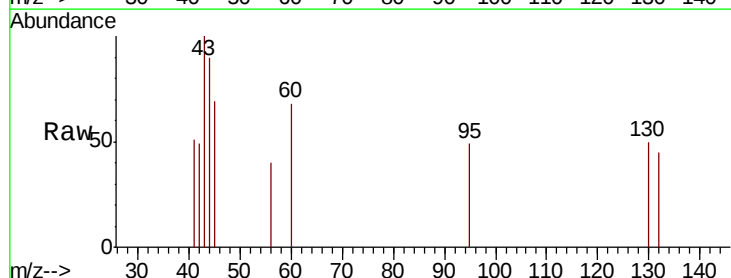


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

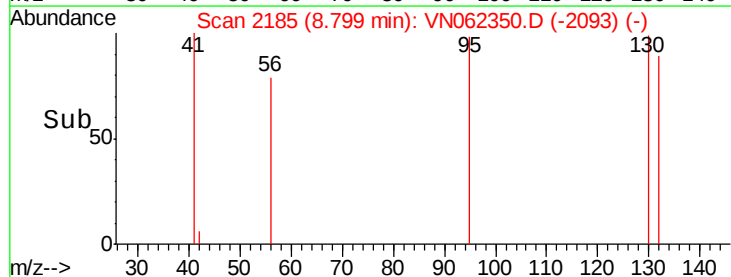
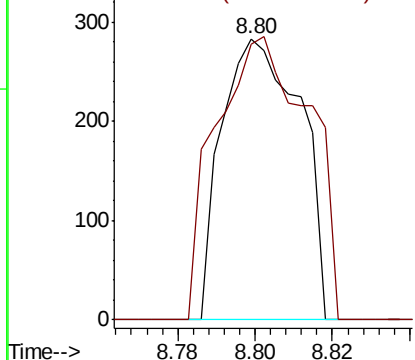


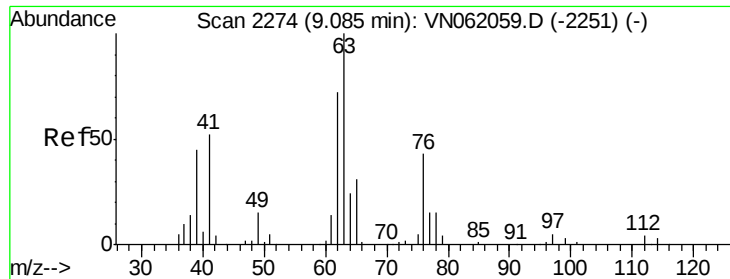
#44
Trichloroethene
Concen: 0.206 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Tgt Ion:130 Resp: 399
Ion Ratio Lower Upper
130 100
95 98.2 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

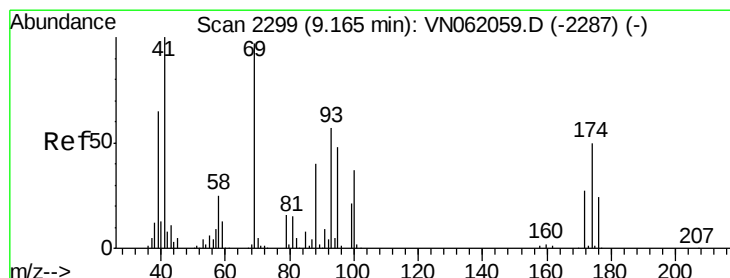
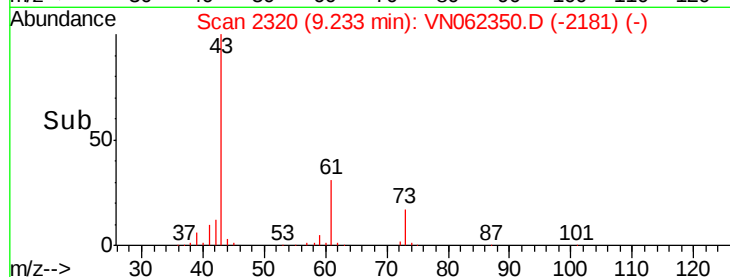
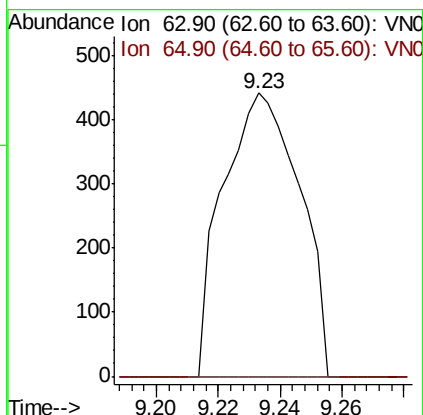
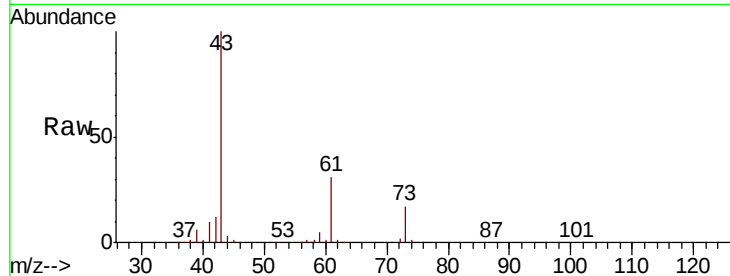




#45
 1,2-Dichloropropane
 Concen: 0.400 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

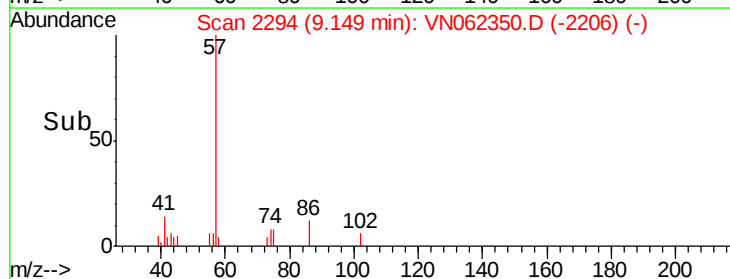
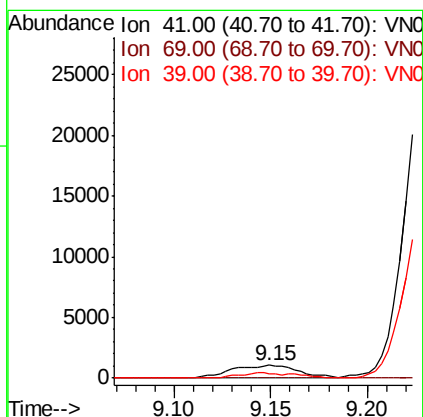
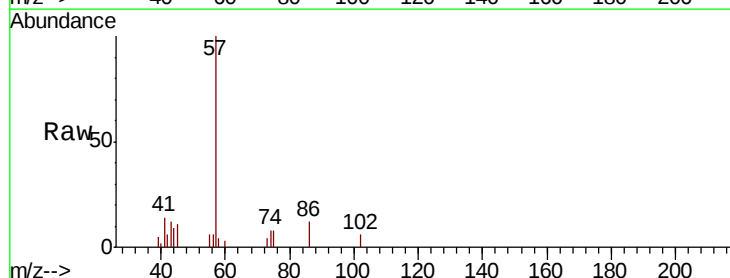
Instrument :
 MSVOA_N
 ClientSampled :

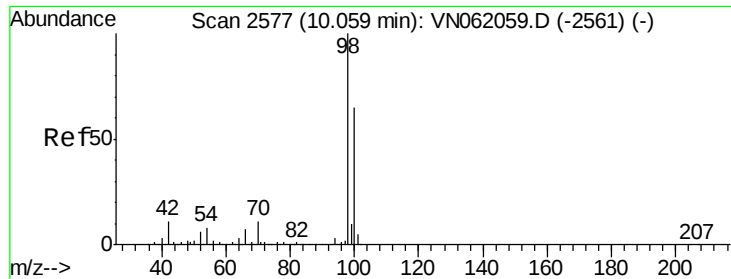
Tot Ion: 63 Resp: 760
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.675 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Tgt Ion: 41 Resp: 2560
 Ion Ratio Lower Upper
 41 100
 69 0.0 80.7 121.1#
 39 0.0 54.5 81.7#





#50

Toluene-d8

Concen: 51.002 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062350.D

Acq: 2 Jul 2020 22:07

Instrument :

MSVOA_N

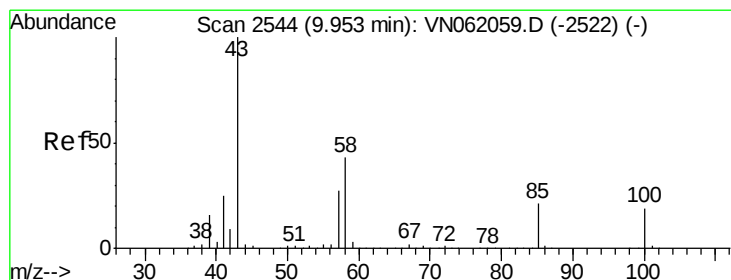
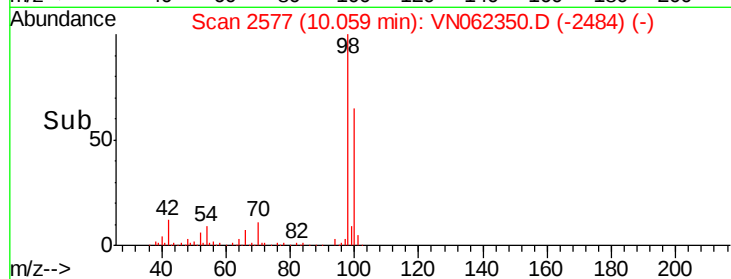
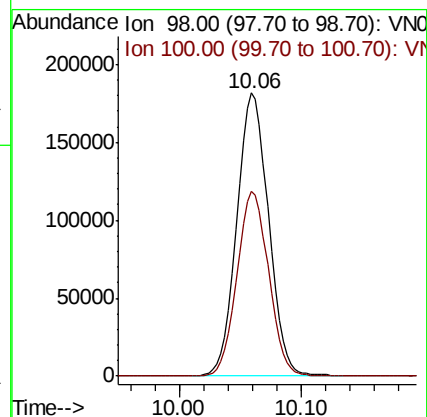
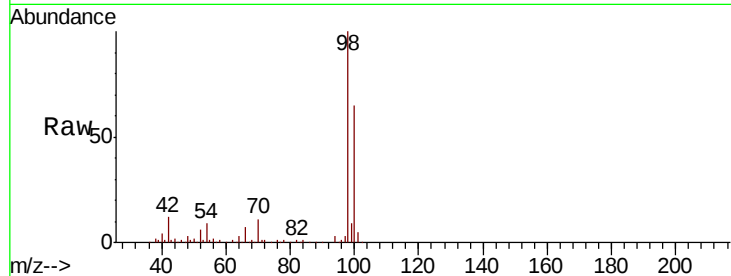
ClientSampled :

Tot Ion: 98 Resp: 328495

Ion Ratio Lower Upper

98 100

100 65.1 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.621 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062350.D

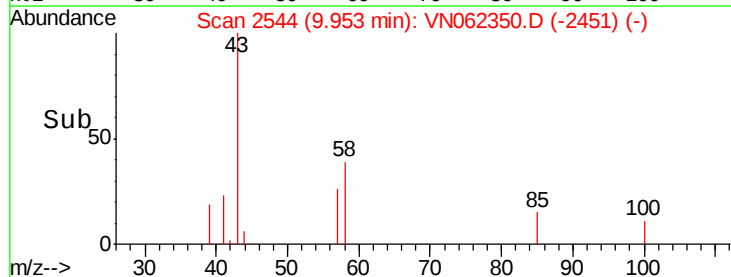
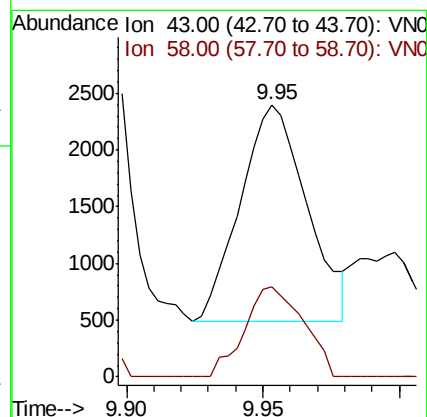
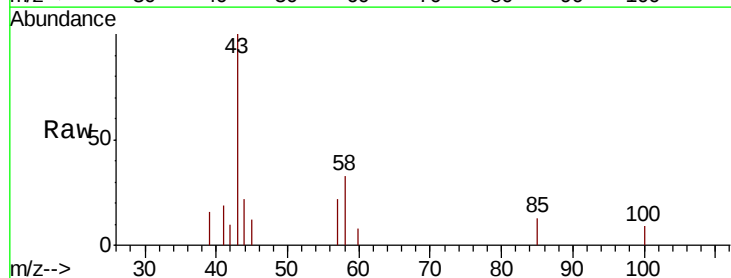
Acq: 2 Jul 2020 22:07

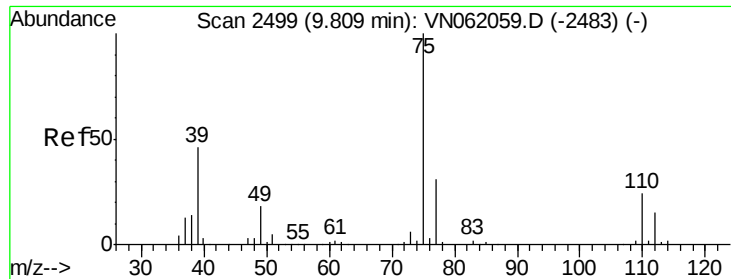
Tgt Ion: 43 Resp: 3227

Ion Ratio Lower Upper

43 100

58 36.7 34.2 51.2

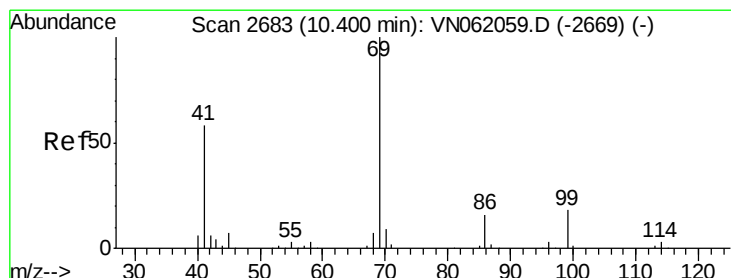
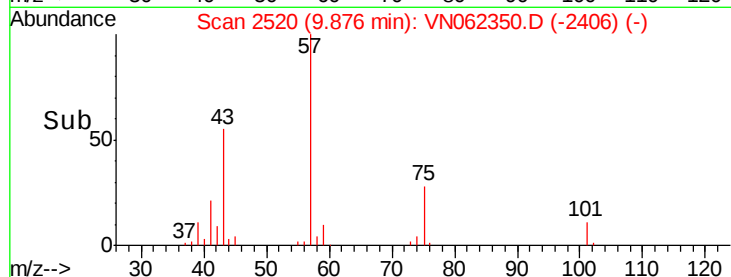
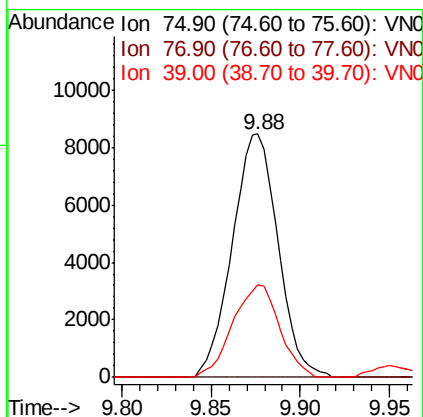
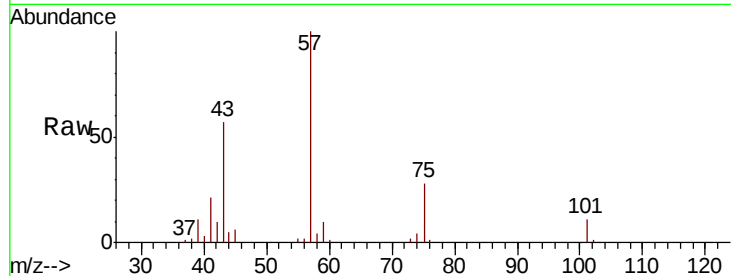




#54
 cis-1,3-Dichloropropene
 Concen: 4.959 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

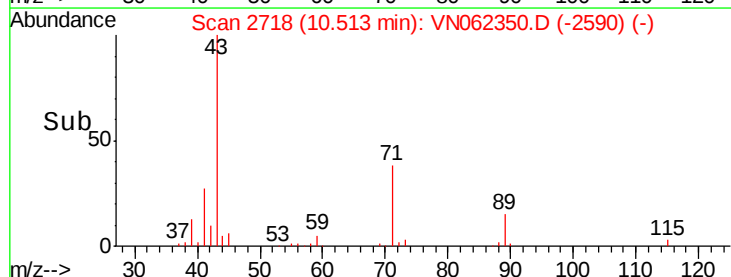
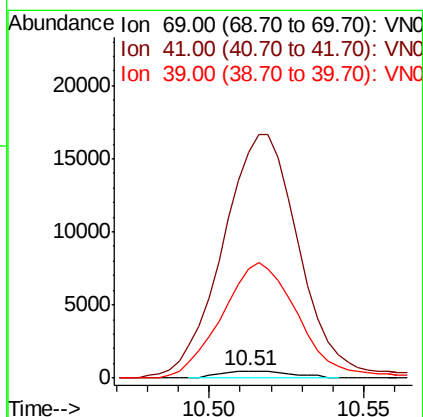
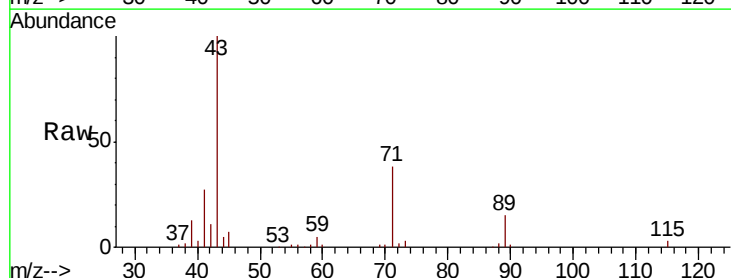
Instrument :
 MSVOA_N
 ClientSampled :

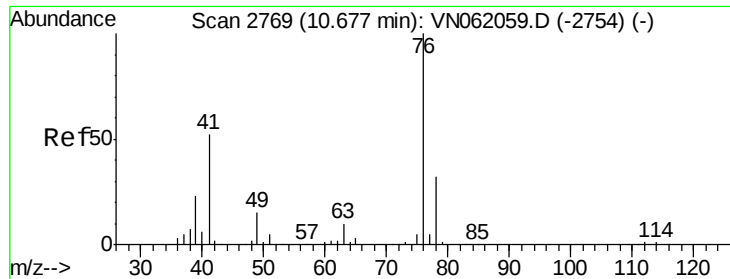
Tot Ion: 75 Resp: 15096
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 38.2 36.9 55.3



#56
 Ethyl methacrylate
 Concen: 0.320 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062350.D
 Acq: 2 Jul 2020 22:07

Tgt Ion: 69 Resp: 788
 Ion Ratio Lower Upper
 69 100
 41 3686.7 46.6 70.0#
 39 1725.9 31.0 46.4#





#57

1,3-Dichloropropane

Concen: 0.862 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN062350.D

Acq: 2 Jul 2020 22:07

Instrument :

MSVOA_N

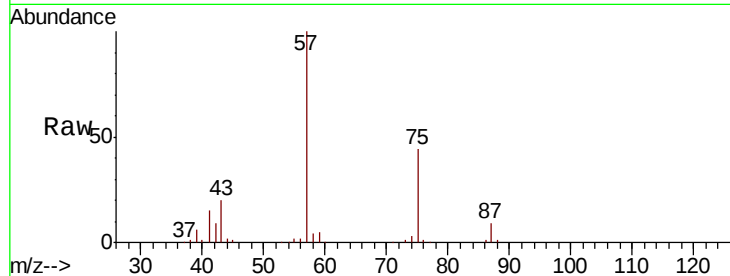
ClientSampled :

Tot Ion: 76 Resp: 2737

Ion Ratio Lower Upper

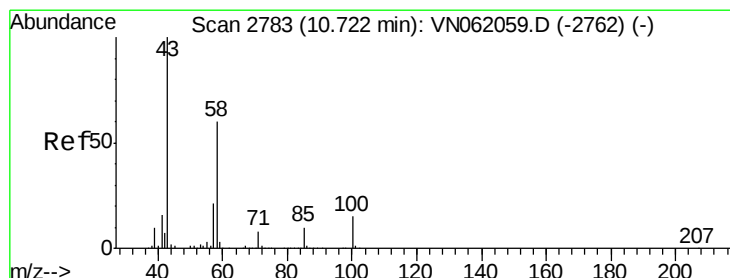
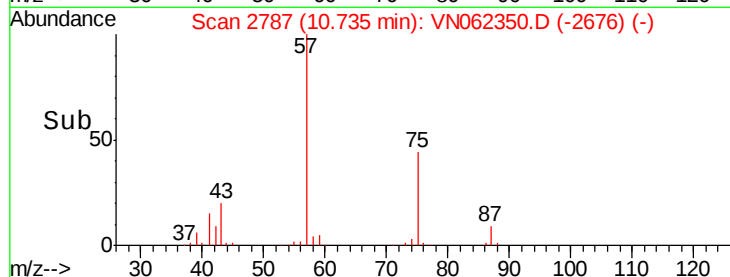
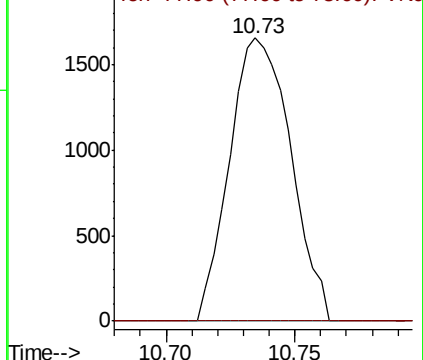
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 26.414 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062350.D

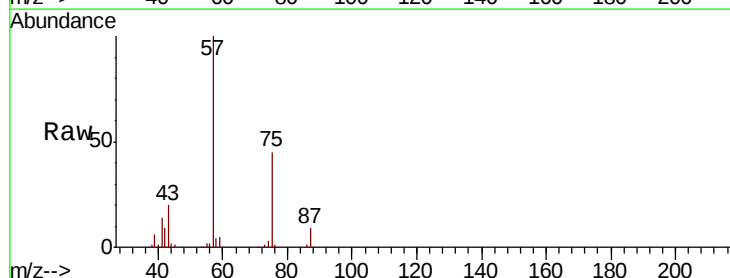
Acq: 2 Jul 2020 22:07

Tgt Ion: 43 Resp: 37974

Ion Ratio Lower Upper

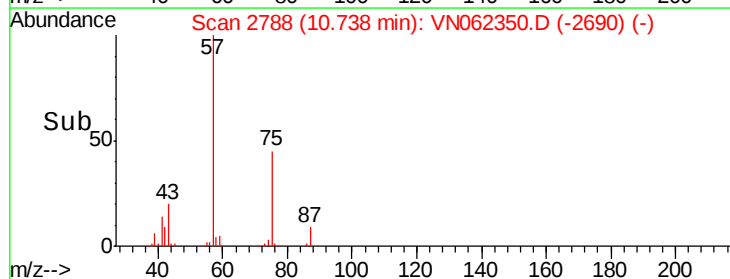
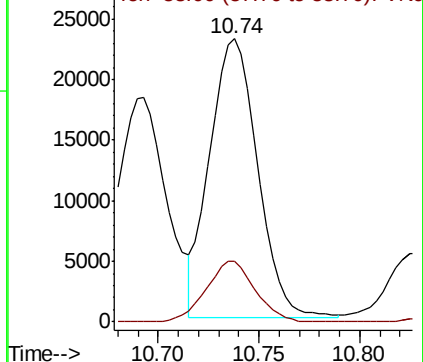
43 100

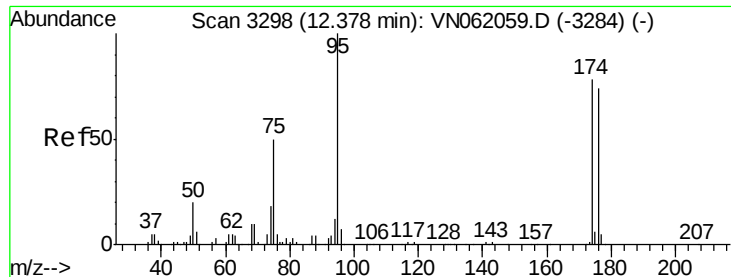
58 22.1 29.5 88.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

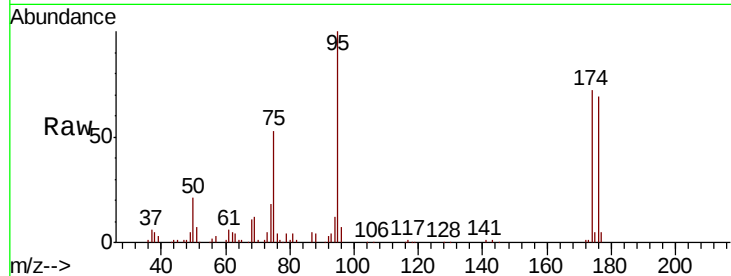




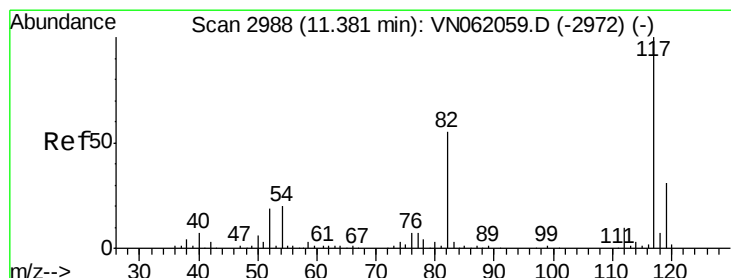
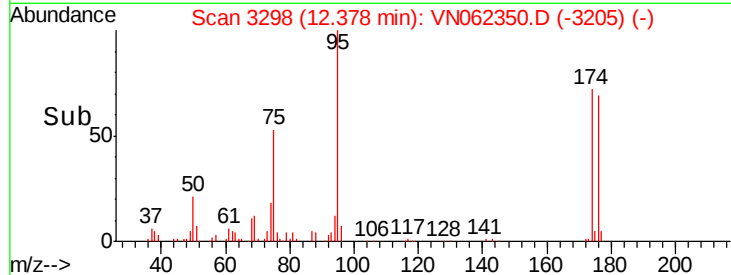
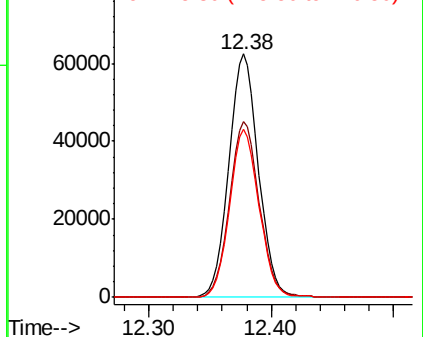
#62
4-Bromofluorobenzene
Concen: 48.482 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 105499
Ion Ratio Lower Upper
95 100
174 72.8 0.0 154.8
176 69.0 0.0 147.4

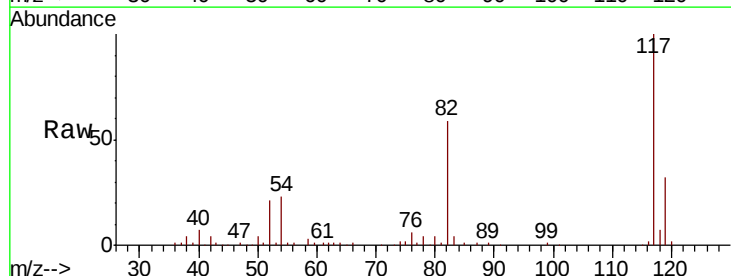


Abundance Ion 94.90 (94.60 to 95.60): VN062350.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062350.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062350.D (-3205) (-)

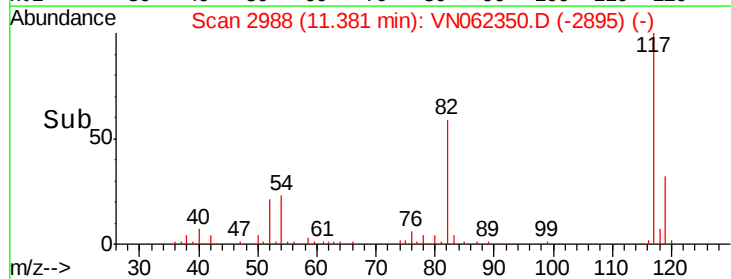
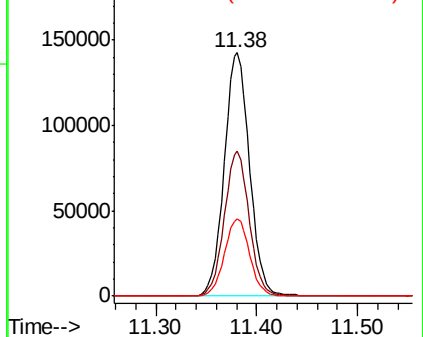


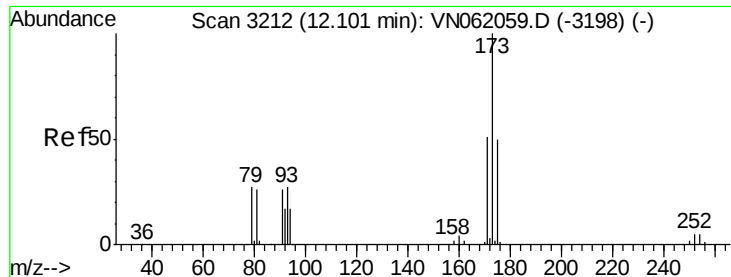
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062350.D
Acq: 2 Jul 2020 22:07

Tgt Ion: 117 Resp: 249301
Ion Ratio Lower Upper
117 100
82 59.5 43.8 65.8
119 31.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062350.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062350.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062350.D (-2895) (-)





#71

Bromoform

Concen: 0.652 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062350.D

Acq: 2 Jul 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

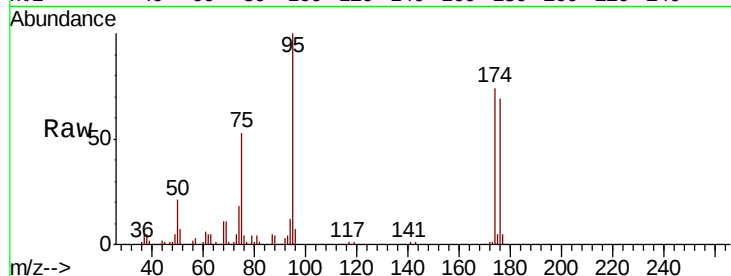
Tot Ion:173 Resp: 878

Ion Ratio Lower Upper

173 100

175 540.3 24.7 74.1#

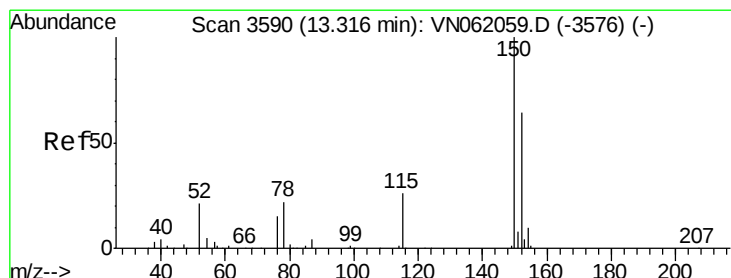
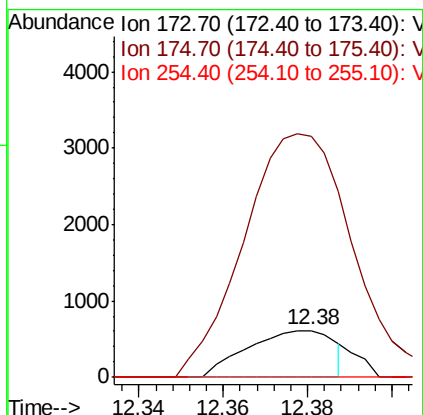
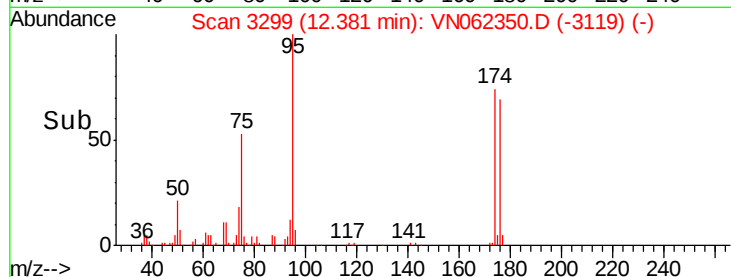
254 0.0 0.0 0.0



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: VN062350.D

Acq: 2 Jul 2020 22:07

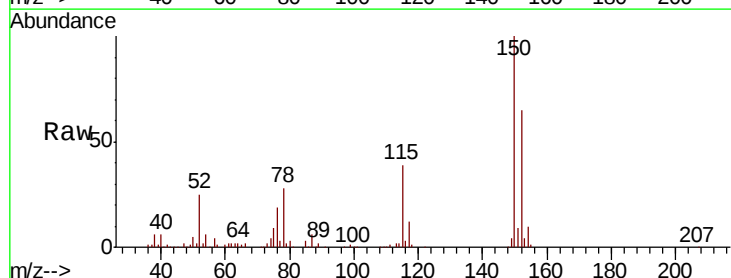
Tgt Ion:152 Resp: 89979

Ion Ratio Lower Upper

152 100

115 61.5 29.5 88.5

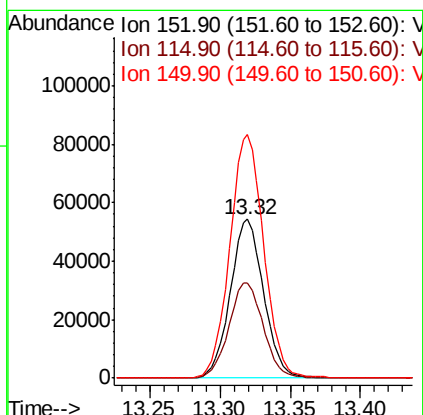
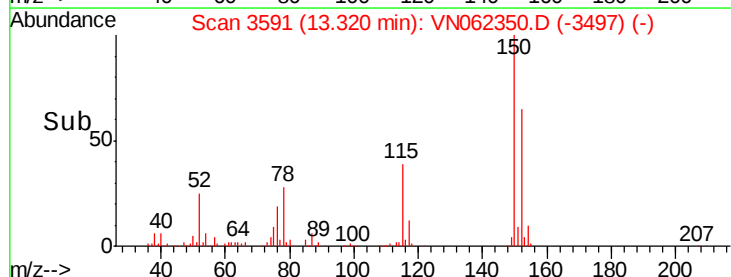
150 156.4 0.0 351.4

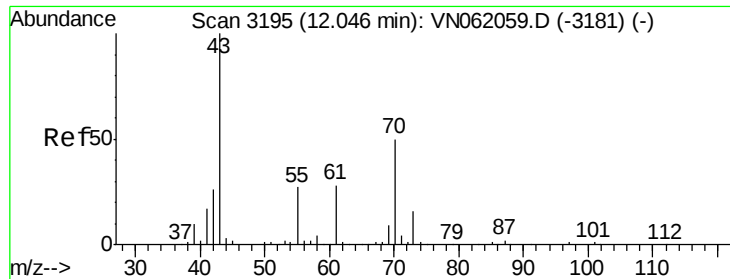


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.805 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062350.D

Acq: 2 Jul 2020 22:07

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 1269

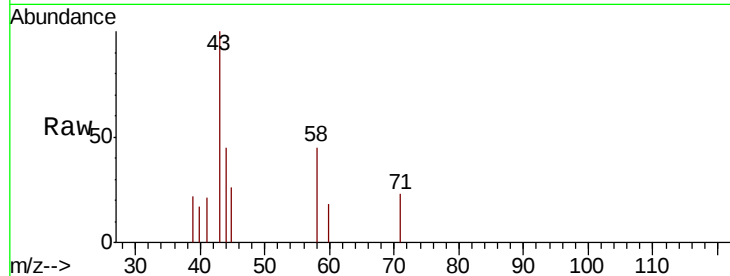
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

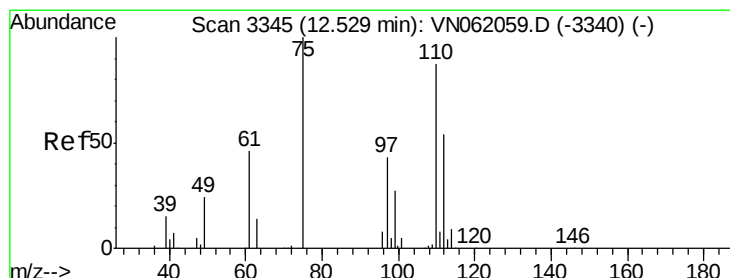
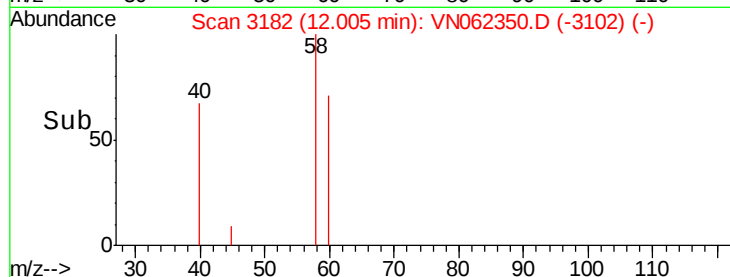
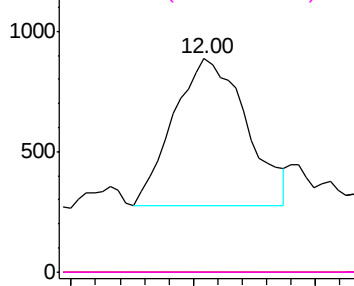


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 26.206 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062350.D

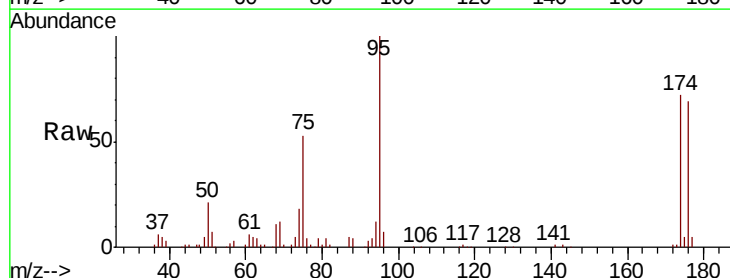
Acq: 2 Jul 2020 22:07

Tgt Ion: 75 Resp: 55508

Ion Ratio Lower Upper

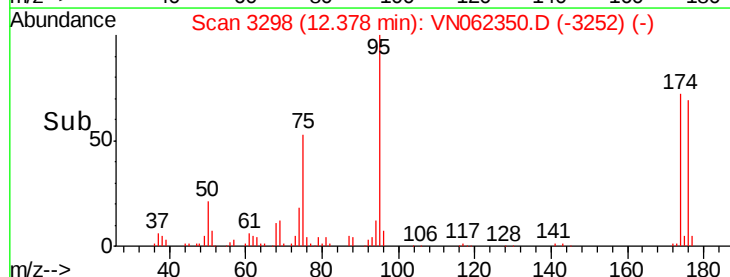
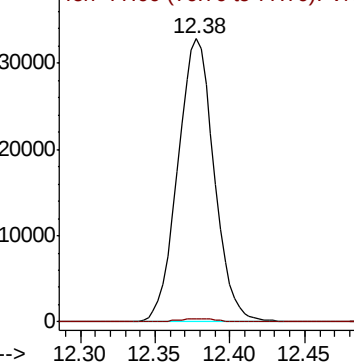
75 100

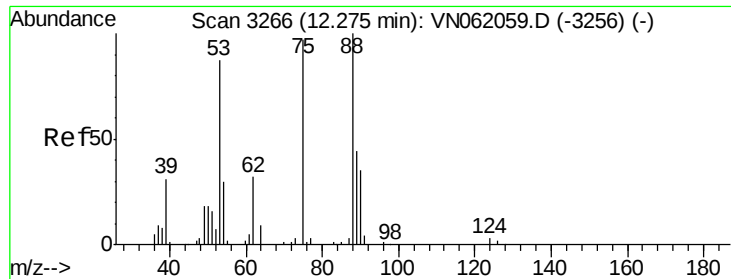
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 76.530 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062350.D

Acq: 2 Jul 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 55508

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

