

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062327.D
 Acq On : 2 Jul 2020 7:10
 Operator : JC/MD
 Sample : L3153-44
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP2-L

Quant Time: Jul 02 08:29:06 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	173902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	378235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	359062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117101	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	151269	61.98	ug/l	0.00
Spiked Amount			Recovery	=	123.96%	
35) Dibromofluoromethane	7.55	113	120493	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.06	98	486060	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.38	95	147588	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

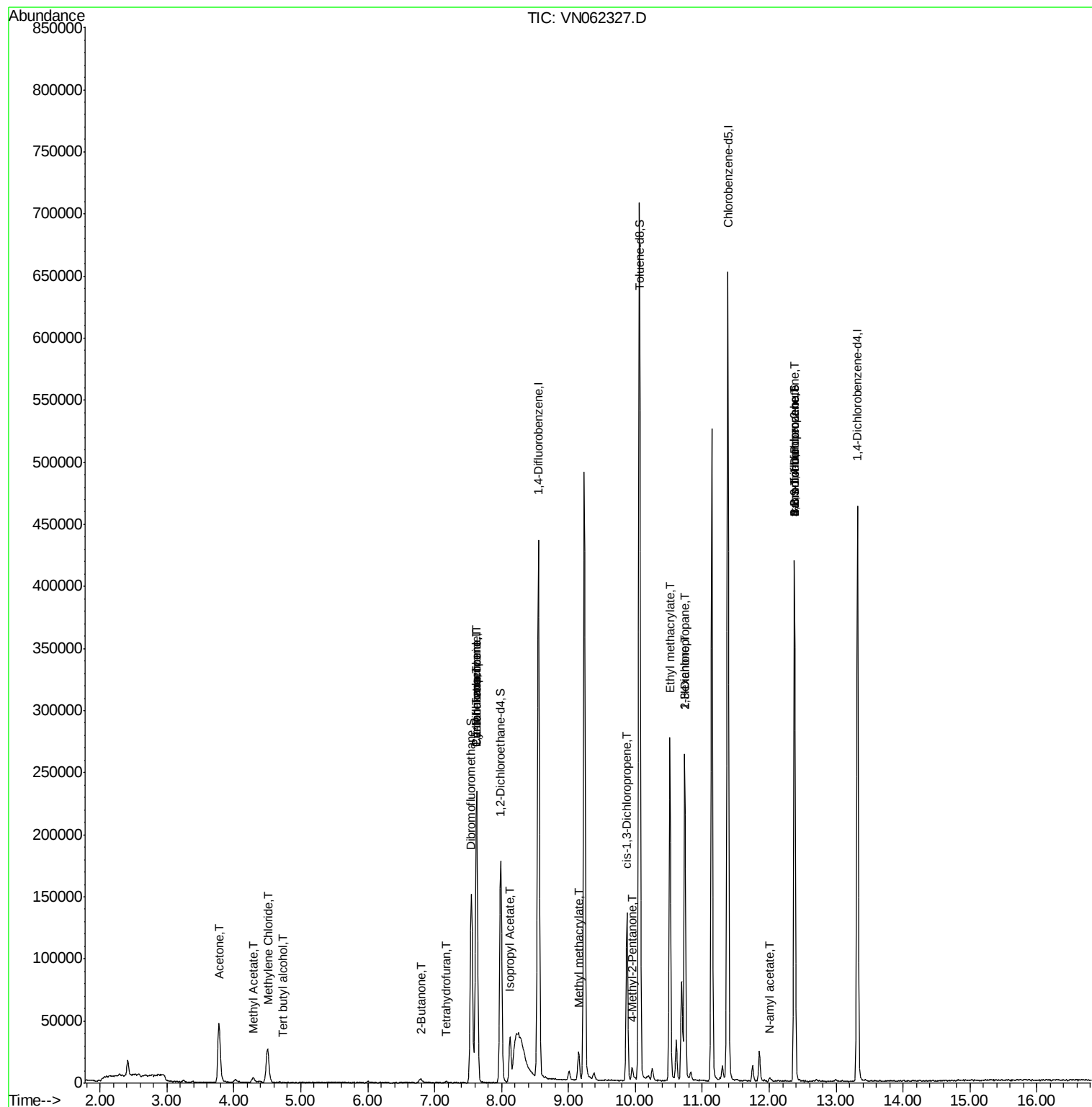
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	319	Below Cal	#	41
11) Tert butyl alcohol	4.73	59	95	0.271	ug/l #	72
16) Acetone	3.78	43	78818	100.470	ug/l	97
18) Methyl Acetate	4.28	43	7771	4.006	ug/l #	84
20) Methylene Chloride	4.50	84	20967	9.182	ug/l	97
25) 2-Butanone	6.80	43	4308	3.612	ug/l	89
29) Tetrahydrofuran	7.17	42	777	0.994	ug/l #	51
31) Cyclohexane	7.62	56	4381	1.299	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	16018	4.213	ug/l #	45
38) Carbon Tetrachloride	7.63	117	18565	5.180	ug/l #	15
43) Isopropyl Acetate	8.13	43	41001	7.989	ug/l	98
48) Methyl methacrylate	9.15	41	3087	1.342	ug/l #	21
51) 4-Methyl-2-Pentanone	9.95	43	6537	2.180	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	23872	5.208	ug/l #	69
56) Ethyl methacrylate	10.52	69	1580	0.426	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2841	0.594	ug/l #	42
59) 2-Hexanone	10.74	43	36100	16.673	ug/l #	51
71) Bromoform	12.37	173	1345	0.694	ug/l #	1
74) N-amyl acetate	12.01	43	1588	3.787	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	76549	27.769	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76549	81.095	ug/l #	13

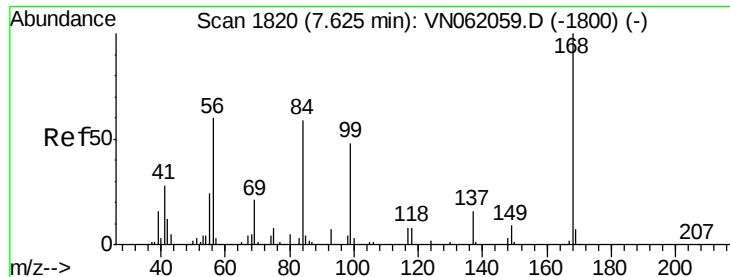
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070120\
Data File : VN062327.D
Acq On : 2 Jul 2020 7:10
Operator : JC/MD
Sample : L3153-44
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SP2-L

Quant Time: Jul 02 08:29:06 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# 1821

Delta R.T. 0.00 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

Instrument :

MSVOA_N

ClientSampled :

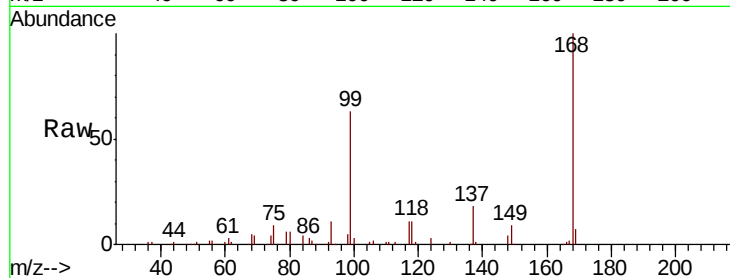
SP2-L

Tot Ion:168 Resp: 173902

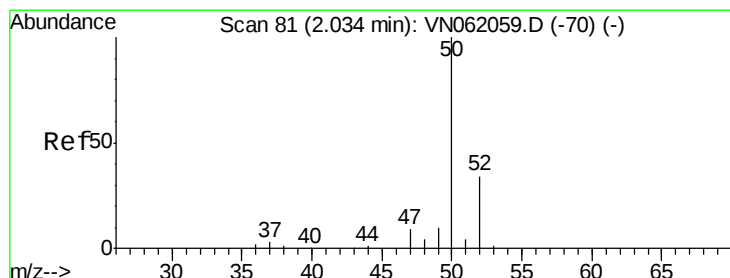
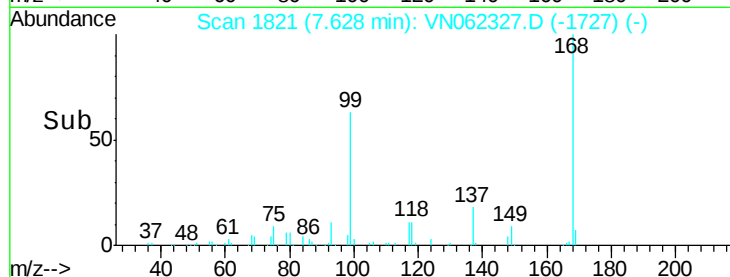
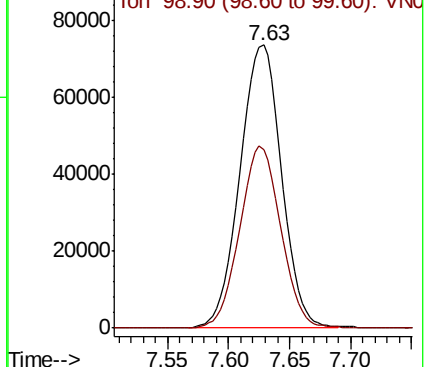
Ion Ratio Lower Upper

168 100

99 63.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062059.D



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062327.D

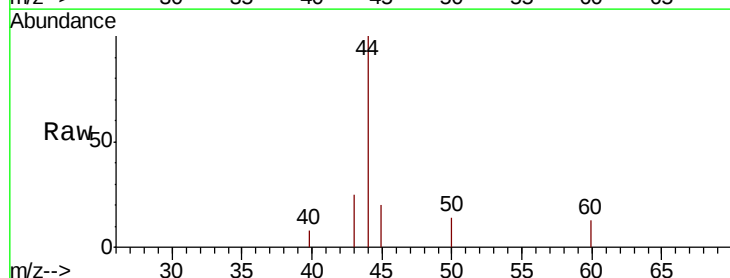
Acq: 2 Jul 2020 7:10

Tgt Ion: 50 Resp: 319

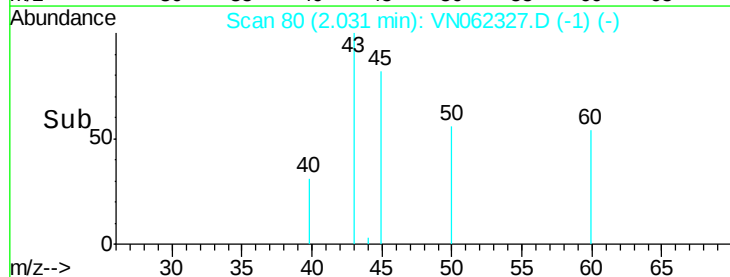
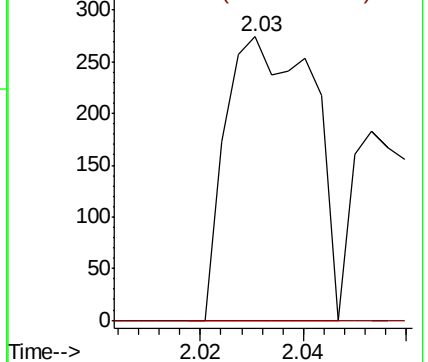
Ion Ratio Lower Upper

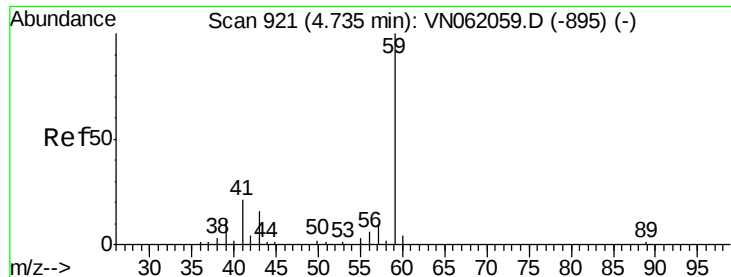
50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062059.D



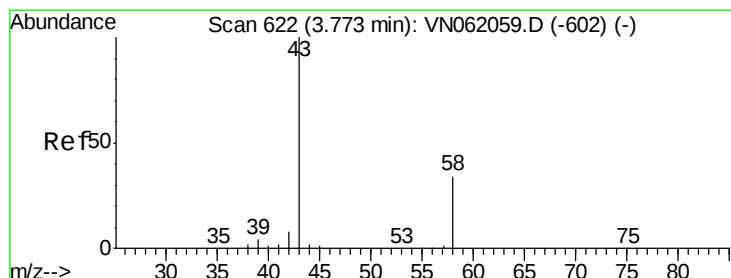
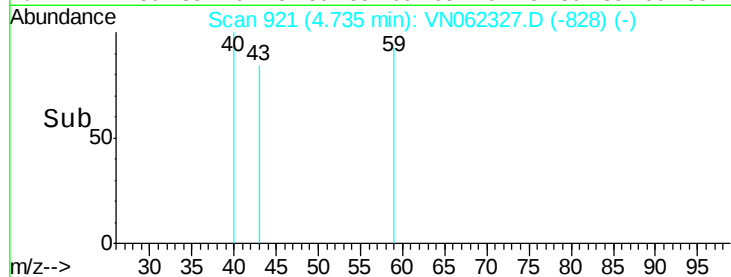
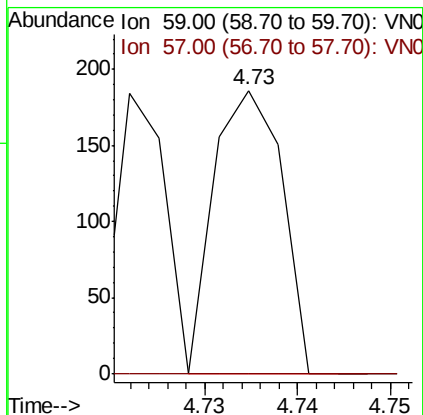
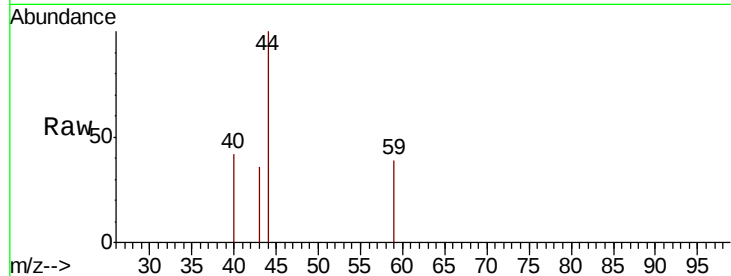


#11

Tert butyl alcohol
 Concen: 0.271 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Instrument :
 MSVOA_N
 ClientSampled :
 SP2-L

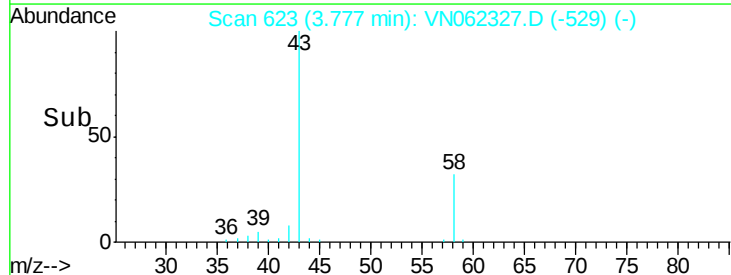
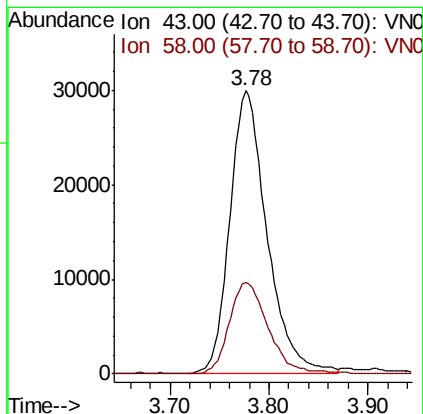
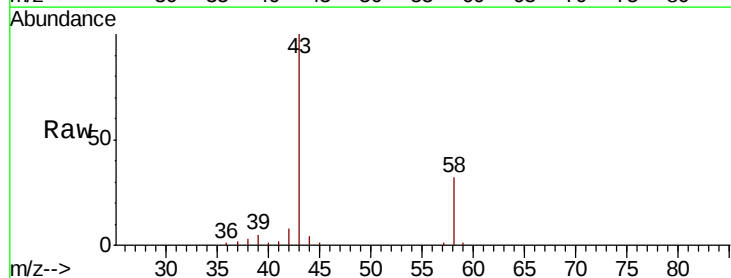
Tot Ion: 59 Resp: 95
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



#16

Acetone
 Concen: 100.470 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Tgt Ion: 43 Resp: 78818
 Ion Ratio Lower Upper
 43 100
 58 32.4 27.5 41.3

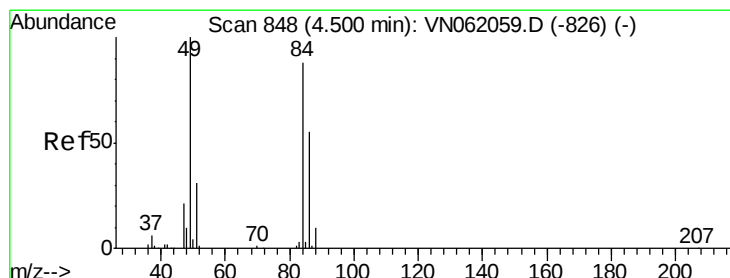
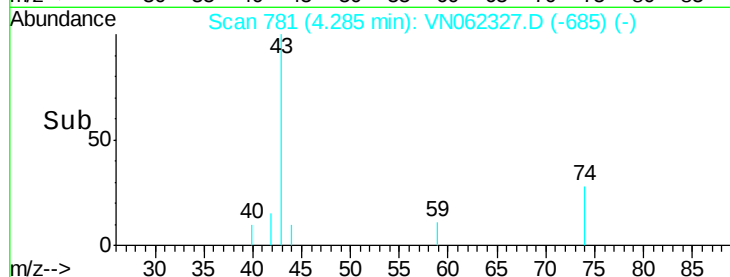
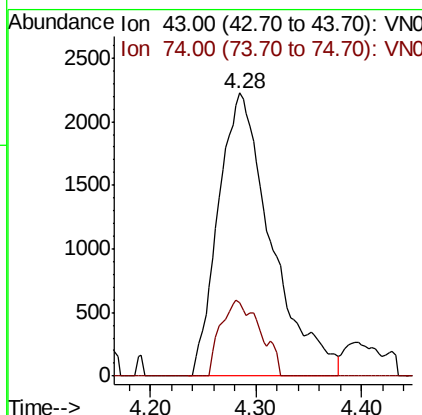
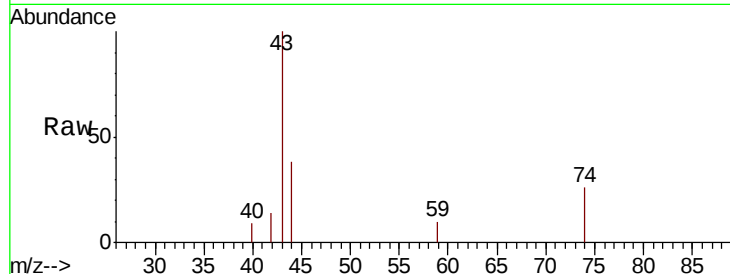




#18
Methyl Acetate
Concen: 4.006 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

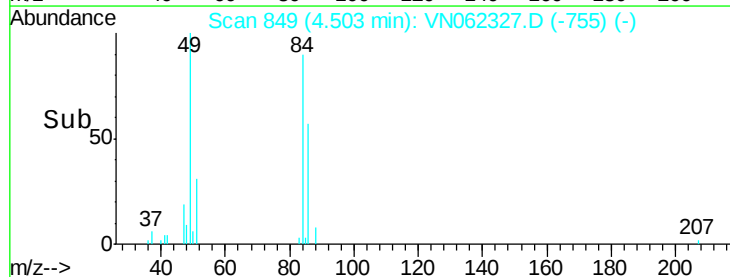
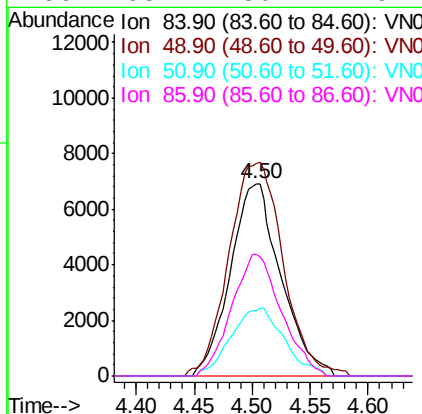
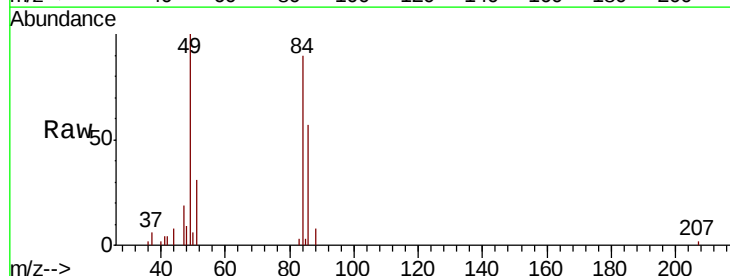
Instrument :
MSVOA_N
ClientSampled :
SP2-L

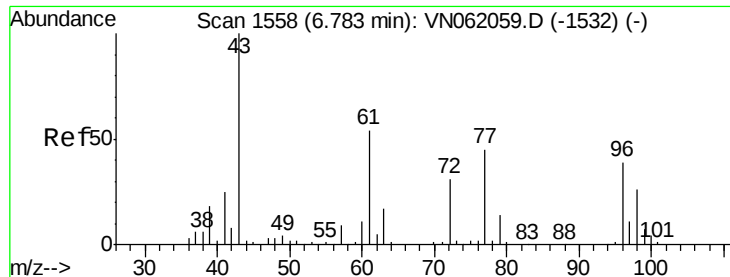
Tot Ion: 43 Resp: 7771
Ion Ratio Lower Upper
43 100
74 19.9 22.9 34.3#



#20
Methylene Chloride
Concen: 9.182 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

Tgt Ion: 84 Resp: 20967
Ion Ratio Lower Upper
84 100
49 107.8 90.6 136.0
51 34.2 27.8 41.8
86 63.4 50.1 75.1

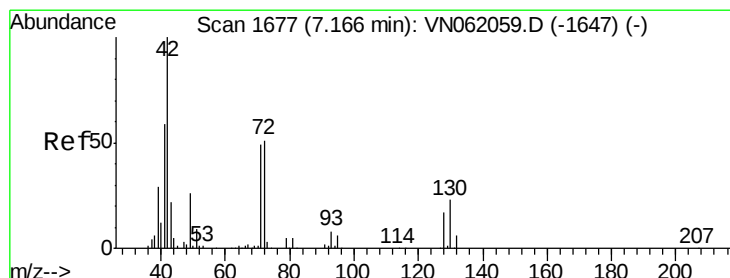
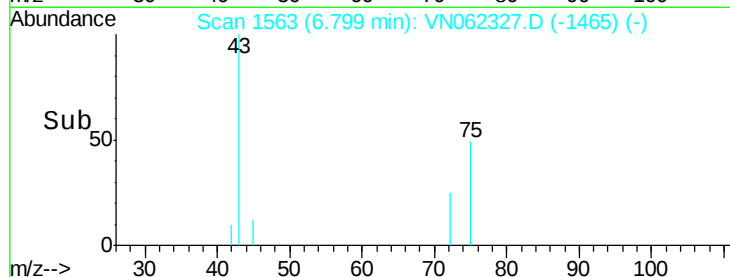
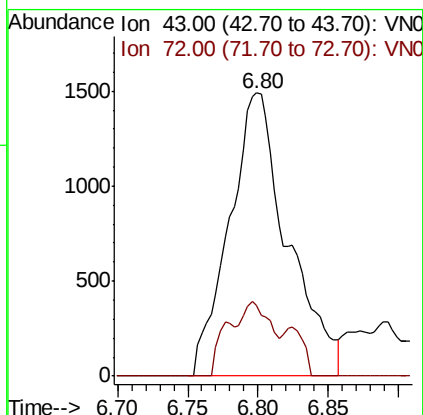
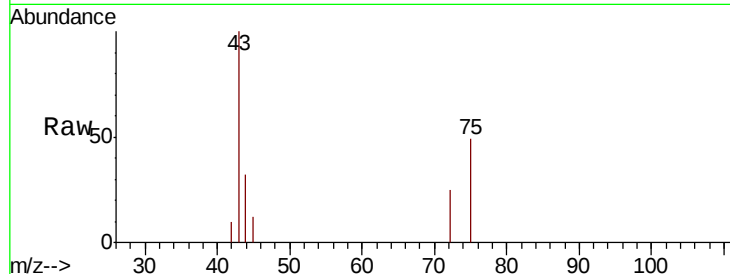




#25
2-Butanone
Concen: 3.612 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.02 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

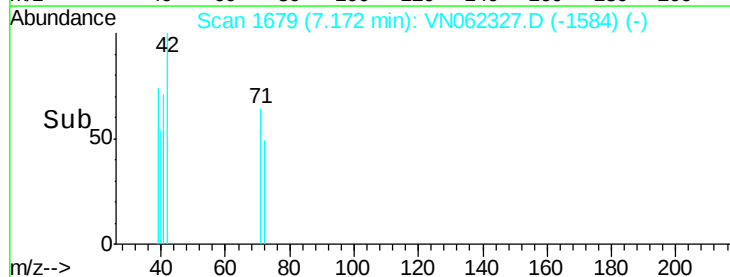
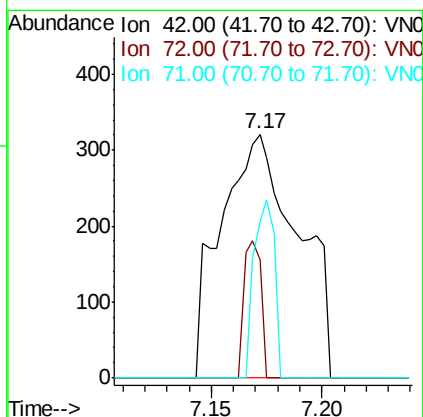
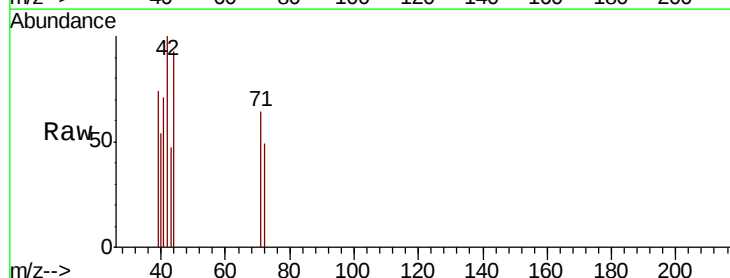
Instrument :
MSVOA_N
ClientSampled :
SP2-L

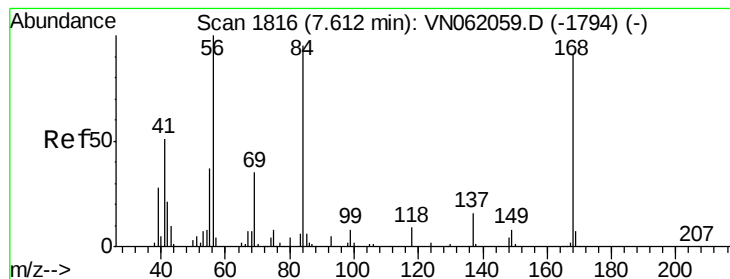
Tot Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
72 24.9 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.994 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

Tgt Ion: 42 Resp: 777
Ion Ratio Lower Upper
42 100
72 12.5 41.1 61.7#
71 19.6 38.2 57.4#





#31

Cvclohexane

Concen: 1.299 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

Instrument :

MSVOA_N

ClientSampled :

SP2-L

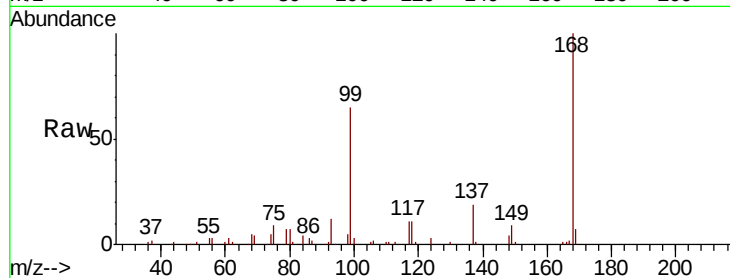
Tot Ion: 56 Resp: 4381

Ion Ratio Lower Upper

56 100

69 149.7 28.0 42.0#

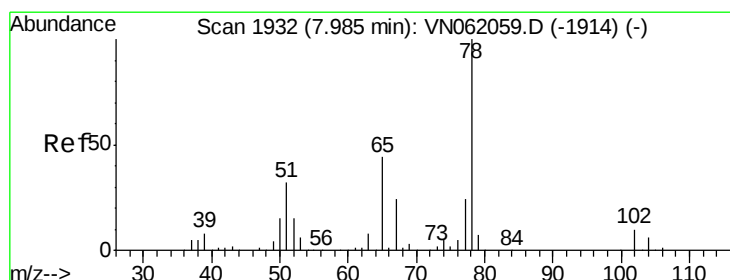
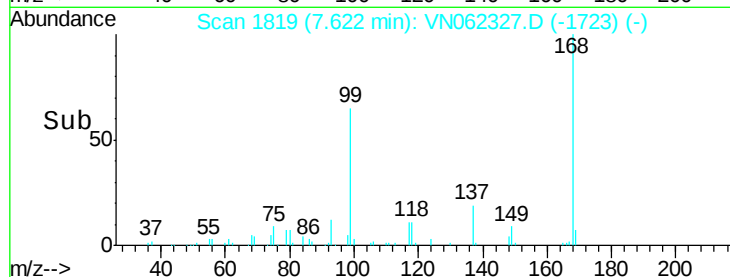
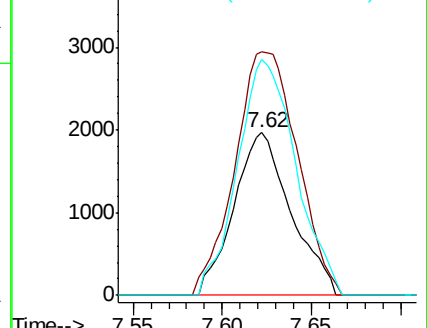
84 144.8 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062059.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062059.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 61.985 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062327.D

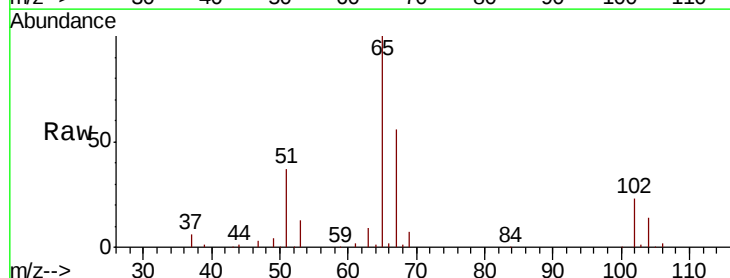
Acq: 2 Jul 2020 7:10

Tgt Ion: 65 Resp: 151269

Ion Ratio Lower Upper

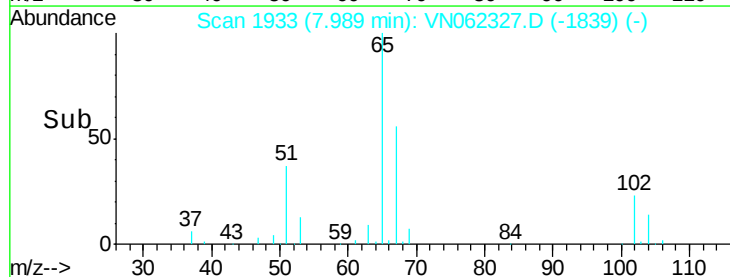
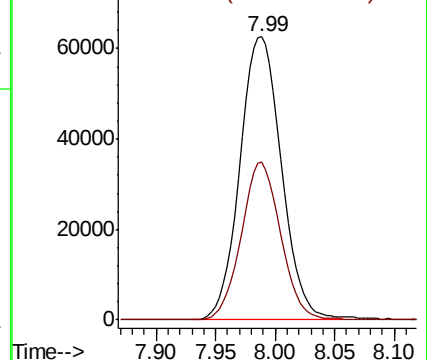
65 100

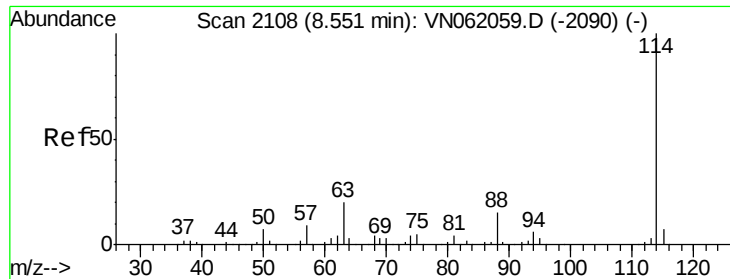
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062059.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062059.D (-1914) (-)

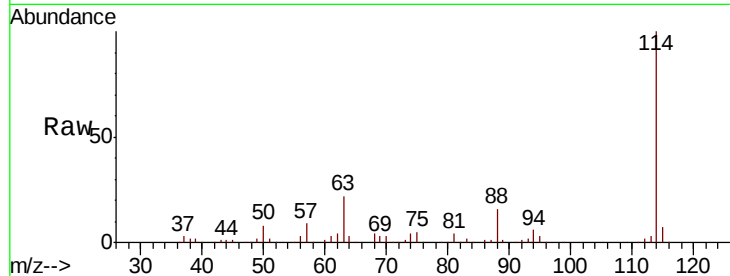




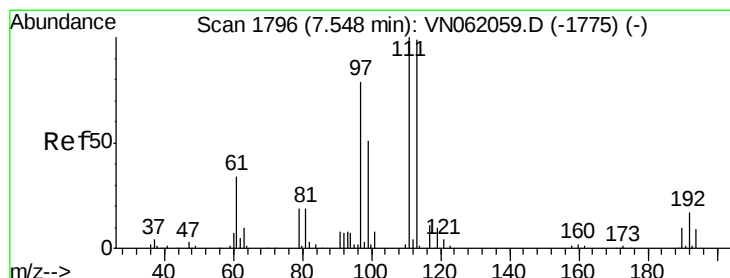
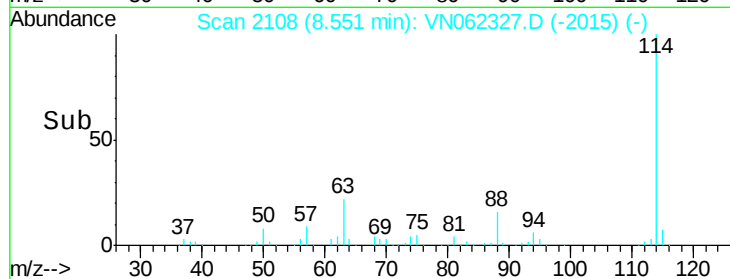
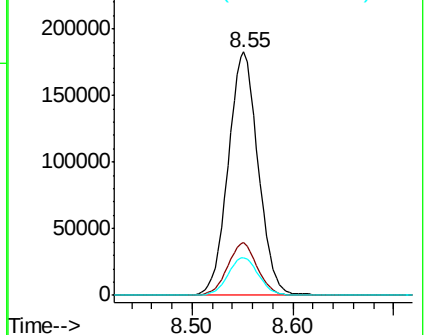
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Instrument :
 MSVOA_N
 ClientSampleId :
 SP2-L

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	39.2
88	15.5	0.0	30.8

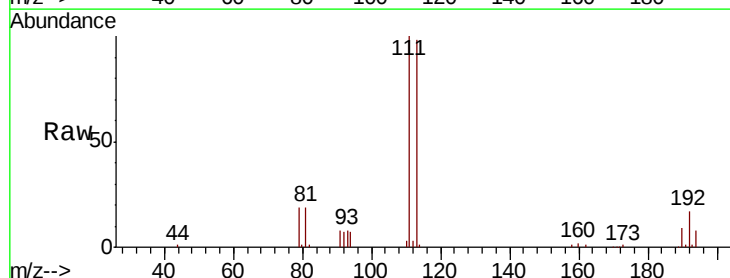


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

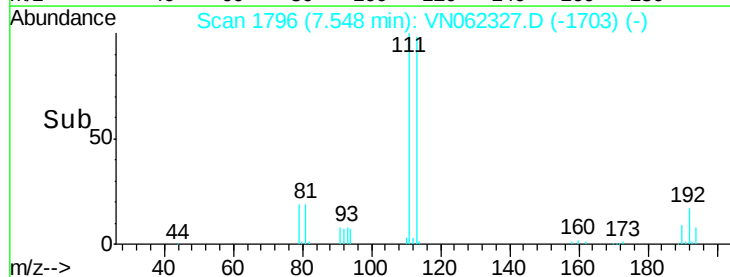
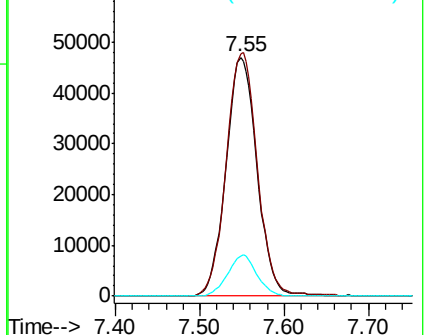


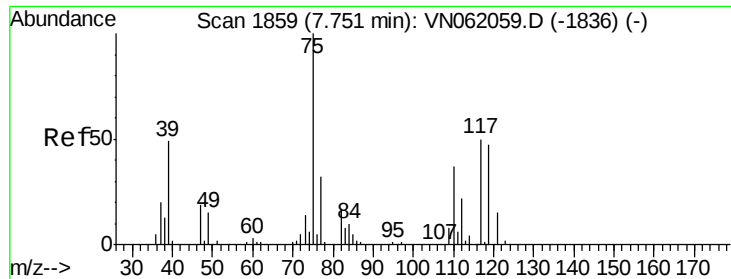
#35
 Dibromofluoromethane
 Concen: 49.656 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	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

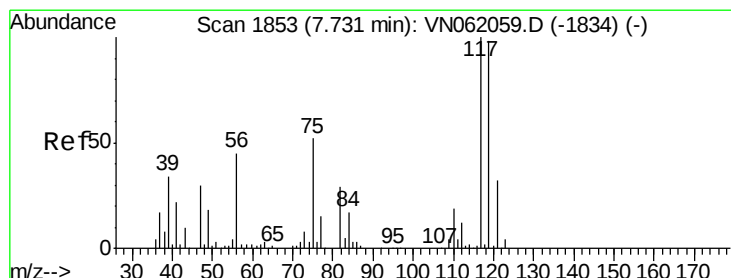
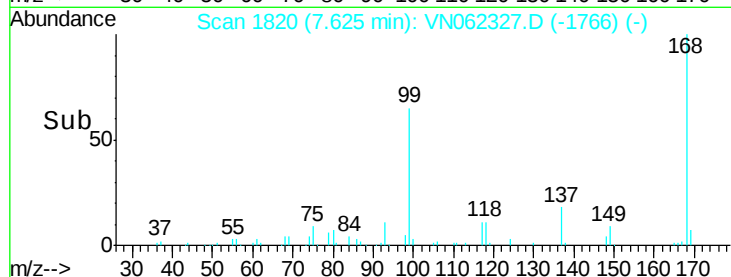
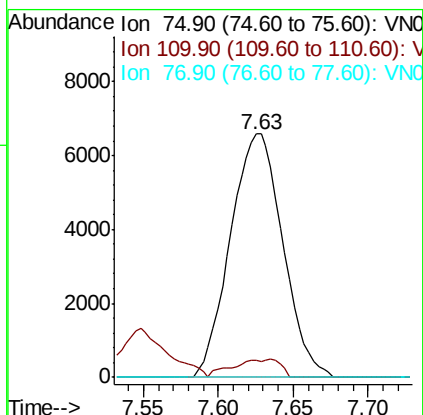
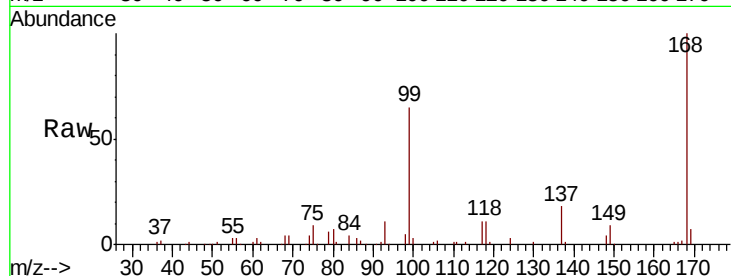




#36
 1,1-Dichloropropene
 Concen: 4.213 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

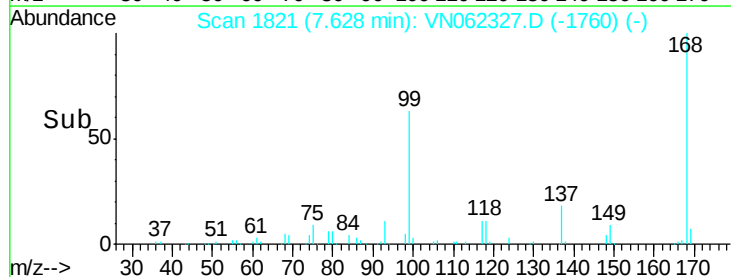
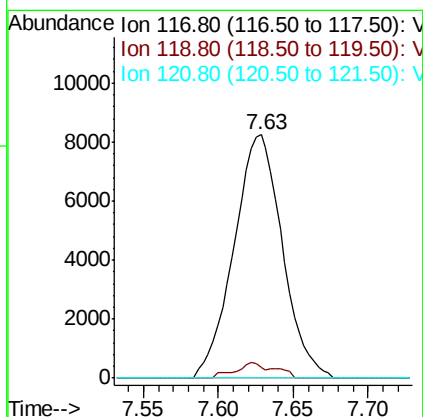
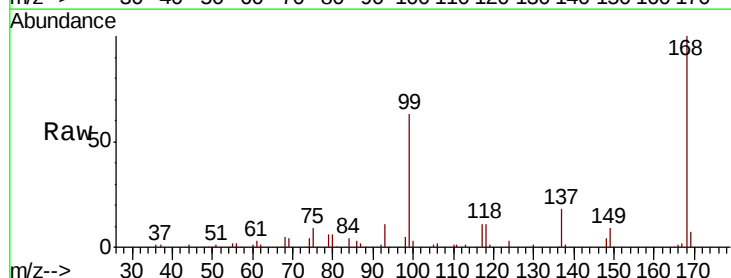
Instrument :
 MSVOA_N
 ClientSampleId :
 SP2-L

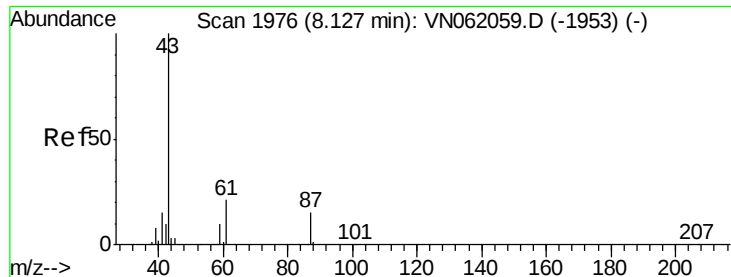
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.3	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.180 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.2	117.2#
121	0.0	25.8	38.6#





#43

Isopropyl Acetate

Concen: 7.989 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

Instrument :

MSVOA_N

ClientSampled :

SP2-L

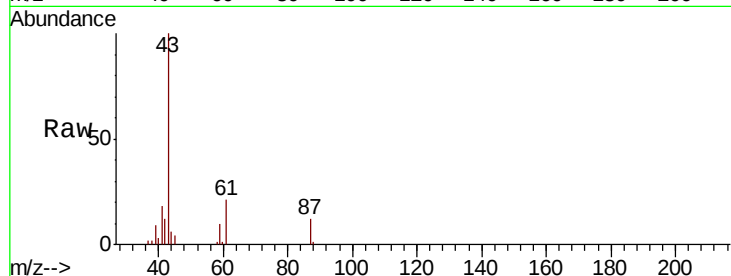
Tot Ion: 43 Resp: 41001

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

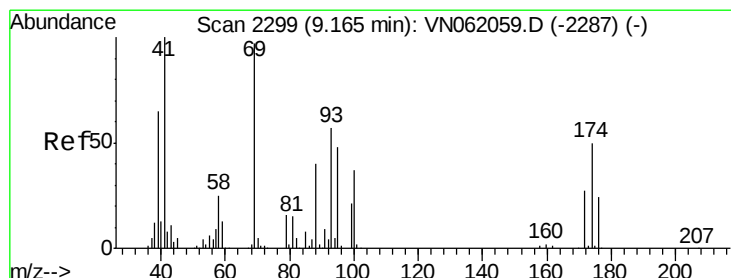
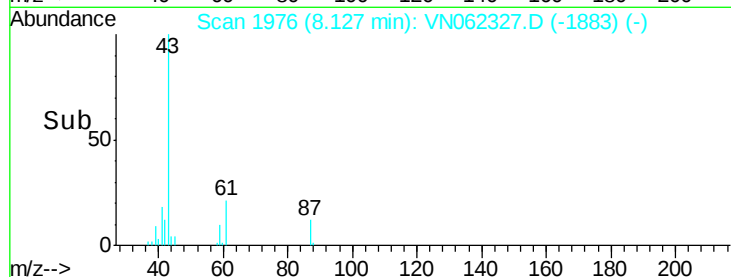
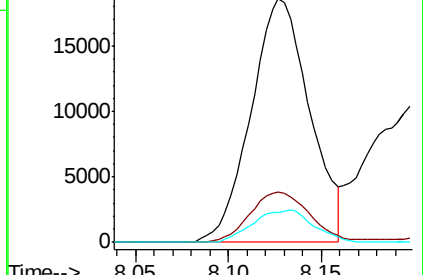
87 13.6 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062327.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062327.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062327.D (-1883) (-)



#48

Methyl methacrylate

Concen: 1.342 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

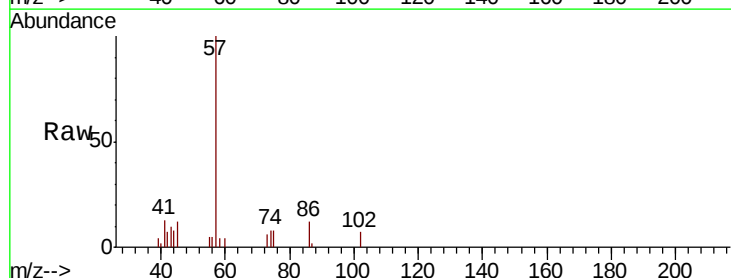
Tgt Ion: 41 Resp: 3087

Ion Ratio Lower Upper

41 100

69 0.0 80.7 121.1#

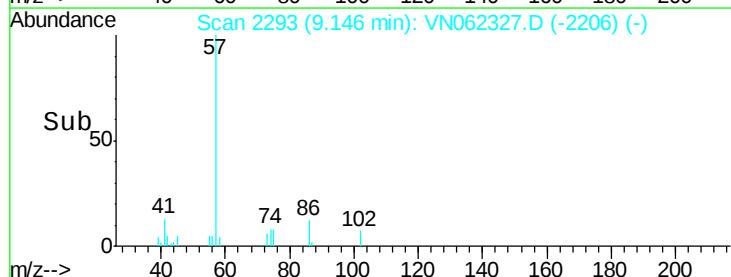
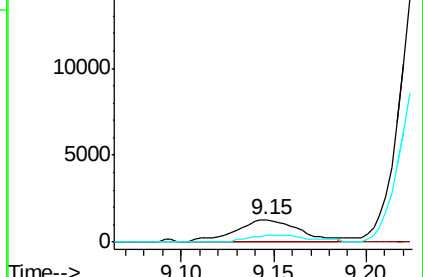
39 29.5 54.5 81.7#

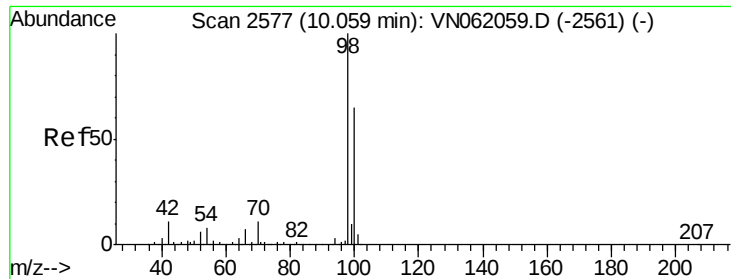


Abundance Ion 41.00 (40.70 to 41.70): VN062327.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062327.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062327.D (-2206) (-)

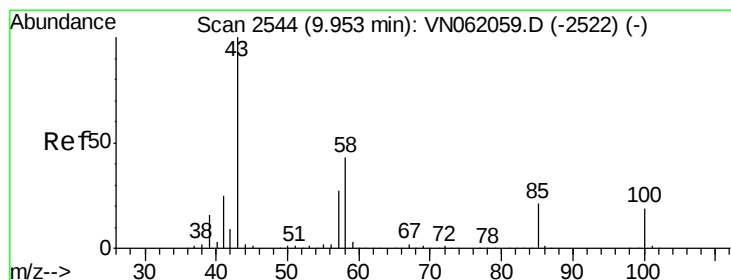
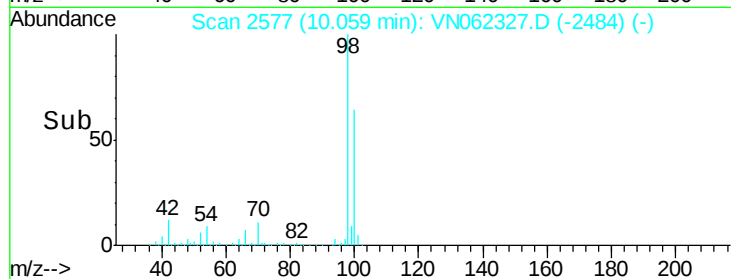
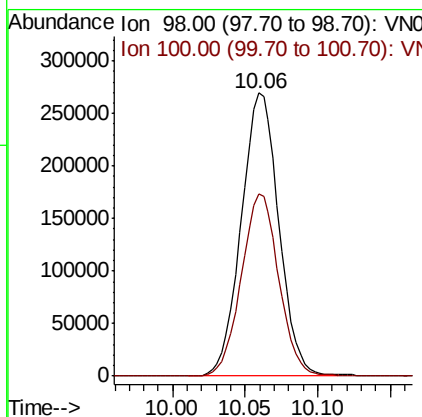
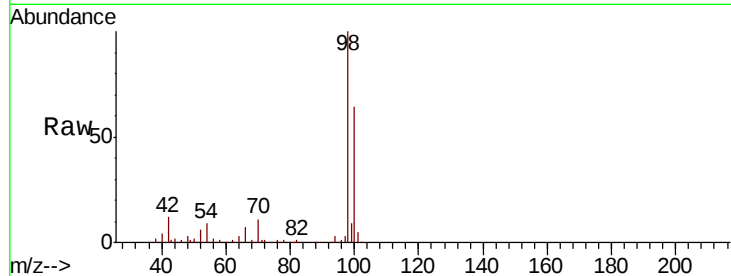




#50
Toluene-d8
Concen: 50.110 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

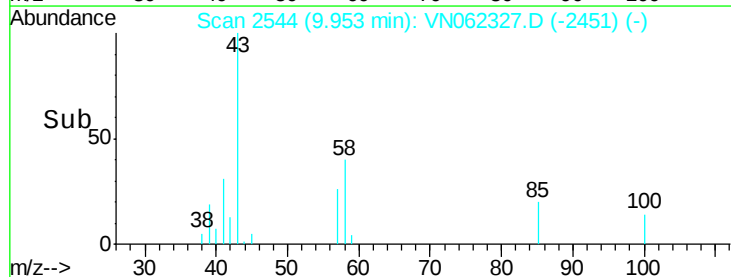
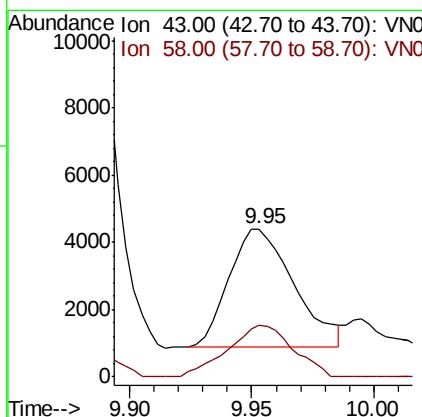
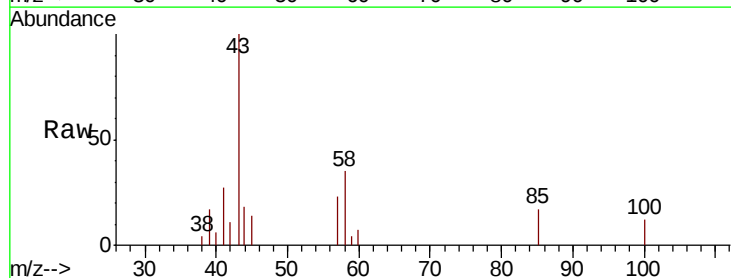
Instrument :
MSVOA_N
ClientSampled :
SP2-L

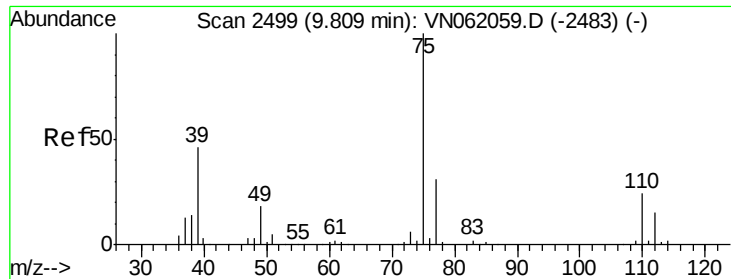
Tot Ion: 98 Resp: 486060
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 2.180 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

Tgt Ion: 43 Resp: 6537
Ion Ratio Lower Upper
43 100
58 43.4 34.2 51.2

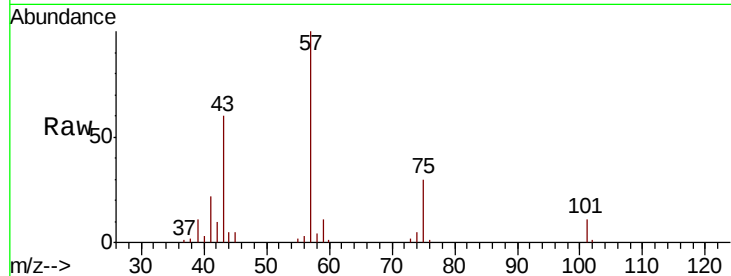




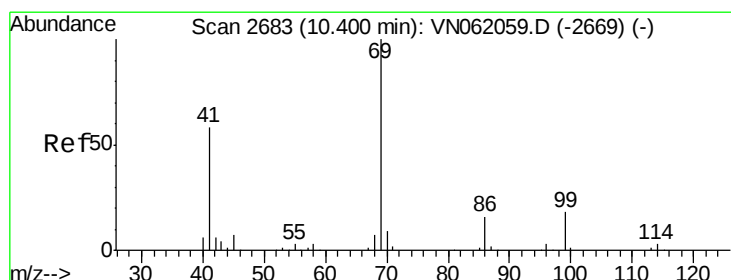
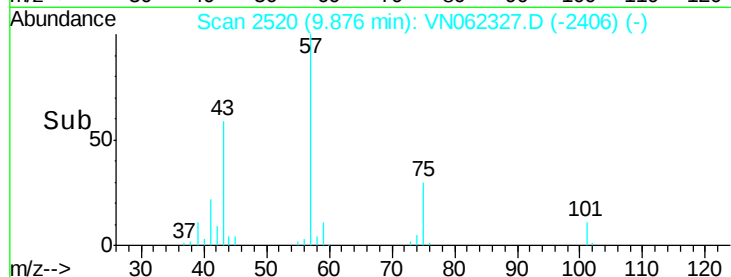
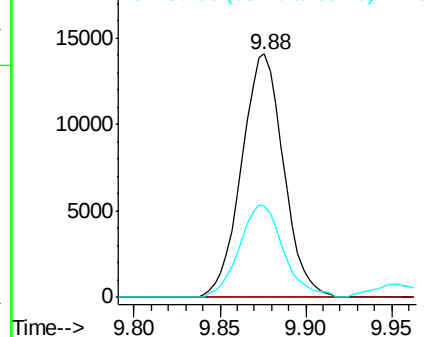
#54
 cis-1,3-Dichloropropene
 Concen: 5.208 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Instrument :
 MSVOA_N
 ClientSampled :
 SP2-L

Tot Ion: 75 Resp: 23872
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 37.5 36.9 55.3

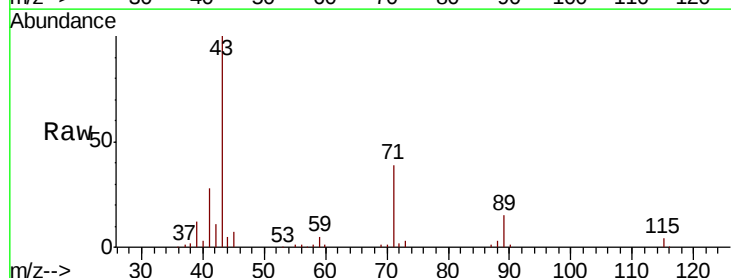


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO

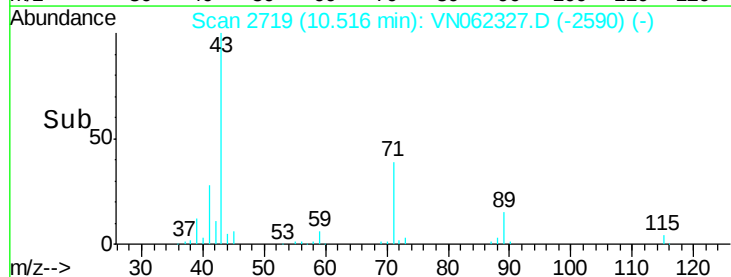
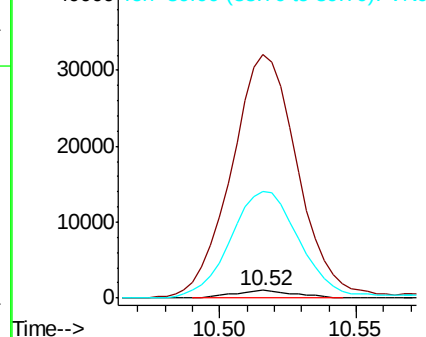


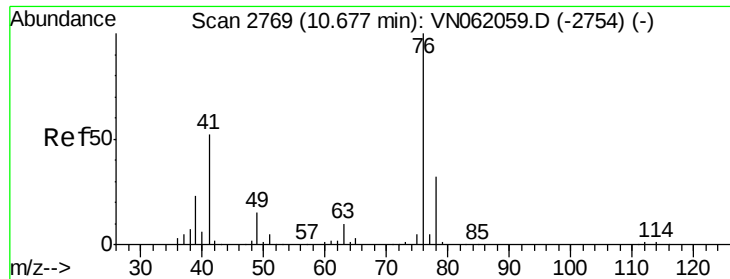
#56
 Ethyl methacrylate
 Concen: 0.426 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Tgt Ion: 69 Resp: 1580
 Ion Ratio Lower Upper
 69 100
 41 3435.4 46.6 70.0#
 39 1583.4 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

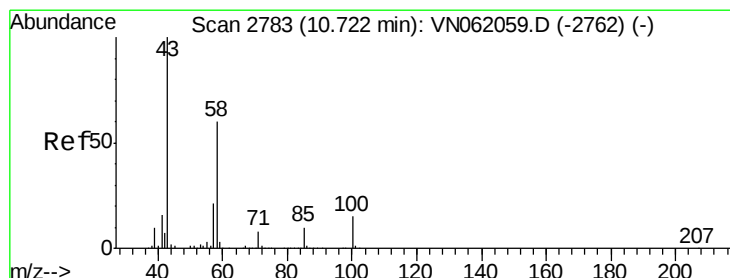
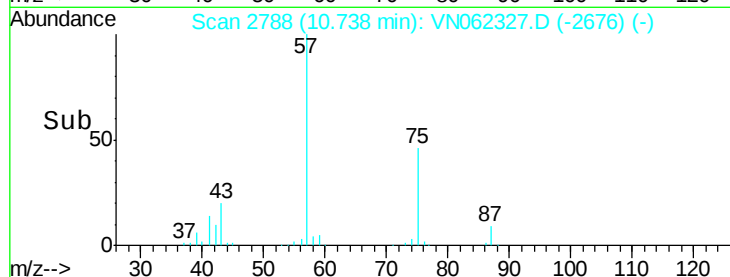
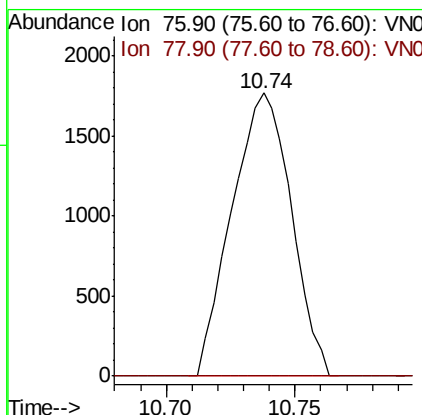
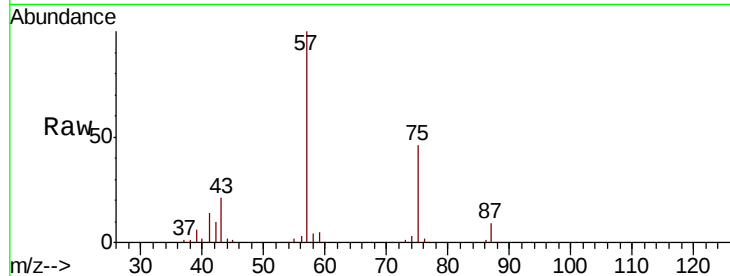




#57
 1,3-Dichloropropane
 Concen: 0.594 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

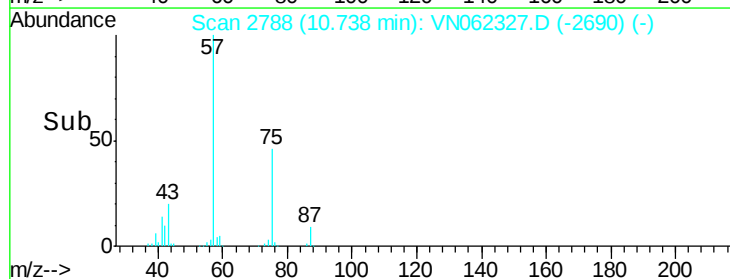
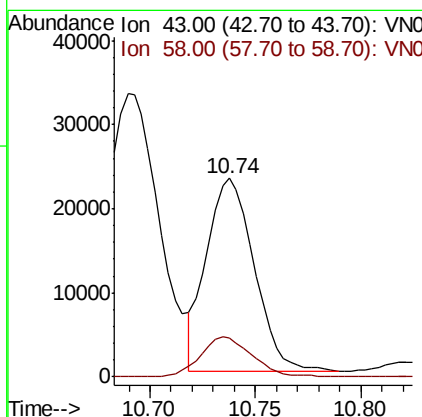
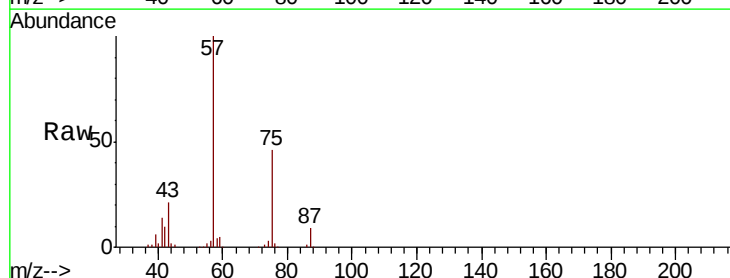
Instrument :
 MSVOA_N
 ClientSampled :
 SP2-L

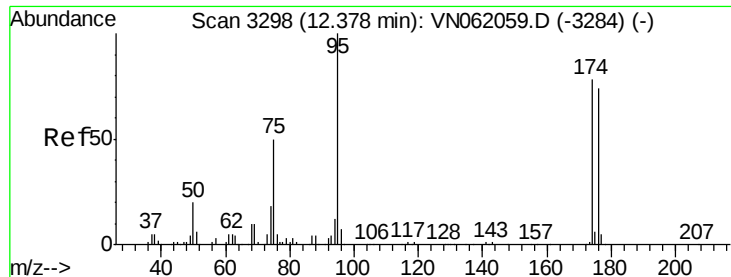
Tot Ion: 76 Resp: 2841
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 16.673 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062327.D
 Acq: 2 Jul 2020 7:10

Tgt Ion: 43 Resp: 36100
 Ion Ratio Lower Upper
 43 100
 58 22.3 29.5 88.5#

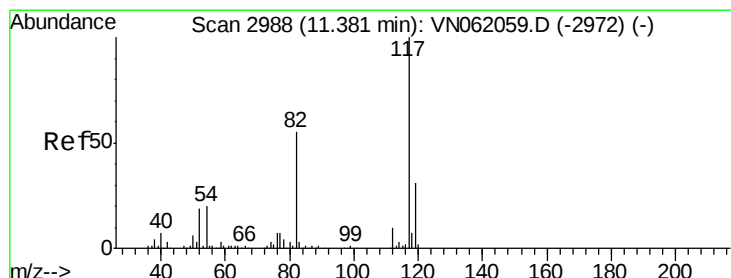
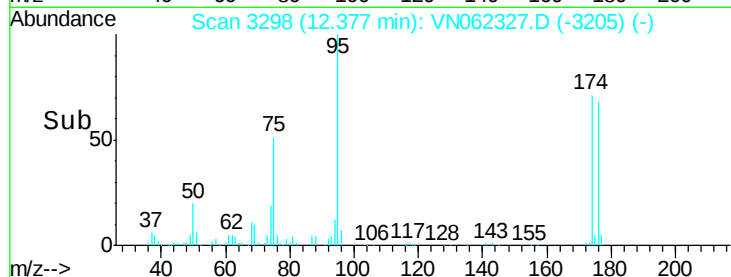
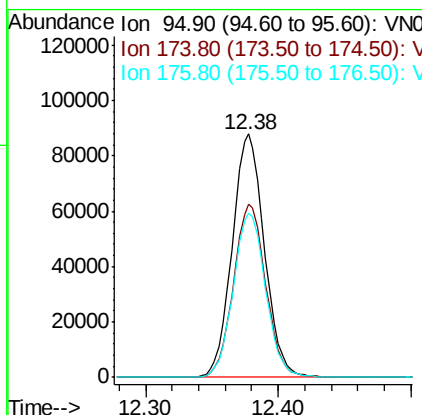
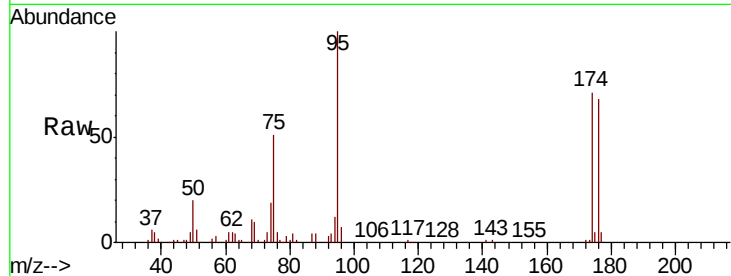




#62
4-Bromofluorobenzene
Concen: 45.036 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

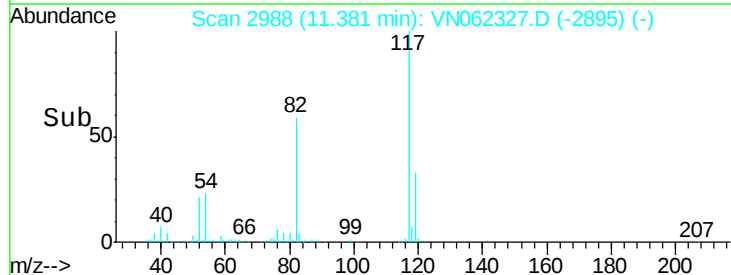
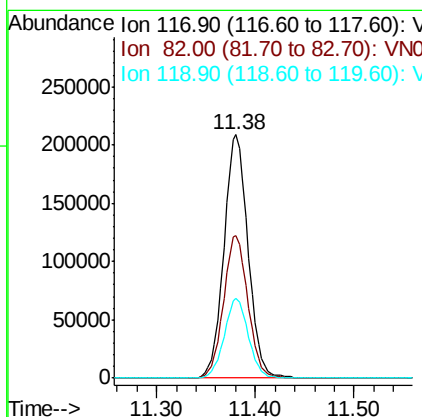
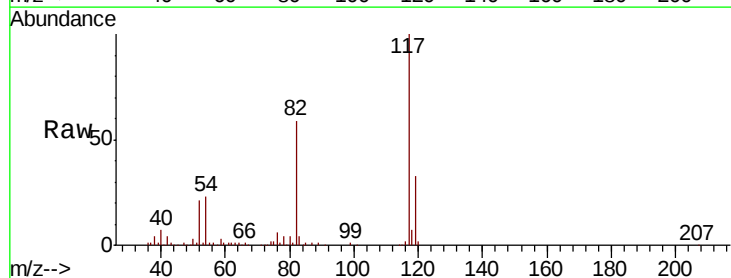
Instrument :
MSVOA_N
ClientSampleId :
SP2-L

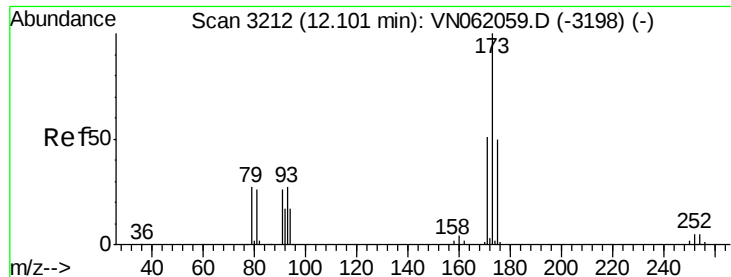
Tot Ion: 95 Resp: 147588
Ion Ratio Lower Upper
95 100
174 71.6 0.0 154.8
176 68.3 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062327.D
Acq: 2 Jul 2020 7:10

Tgt Ion: 117 Resp: 359062
Ion Ratio Lower Upper
117 100
82 58.6 43.8 65.8
119 32.7 25.2 37.8





#71

Bromoform

Concen: 0.694 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

Instrument :

MSVOA_N

ClientSampled :

SP2-L

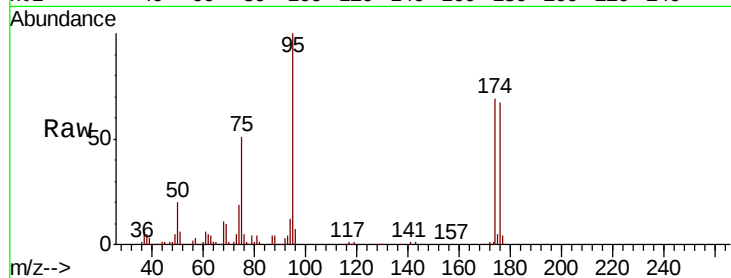
Tot Ion:173 Resp: 1345

Ion Ratio Lower Upper

173 100

175 493.6 24.7 74.1#

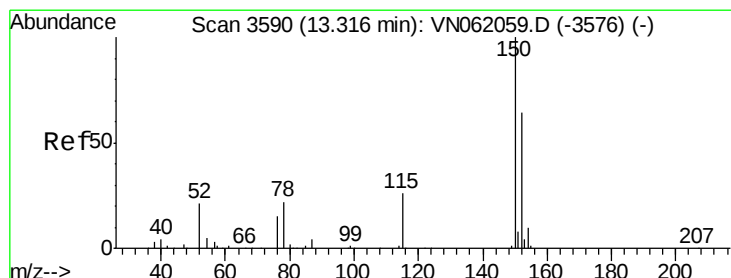
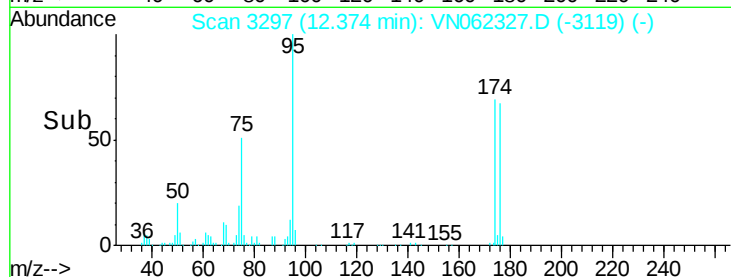
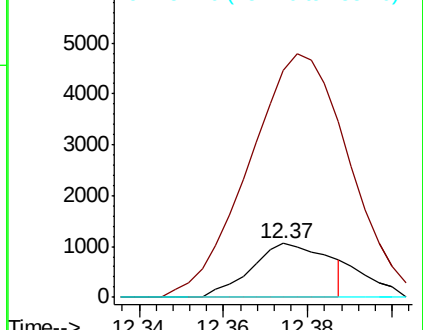
254 0.0 0.0 0.0



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: VN062327.D

Acq: 2 Jul 2020 7:10

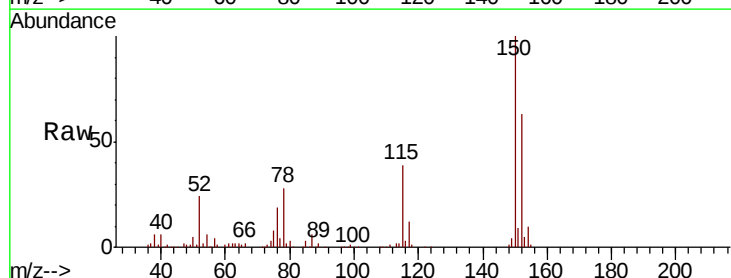
Tgt Ion:152 Resp: 117101

Ion Ratio Lower Upper

152 100

115 61.9 29.5 88.5

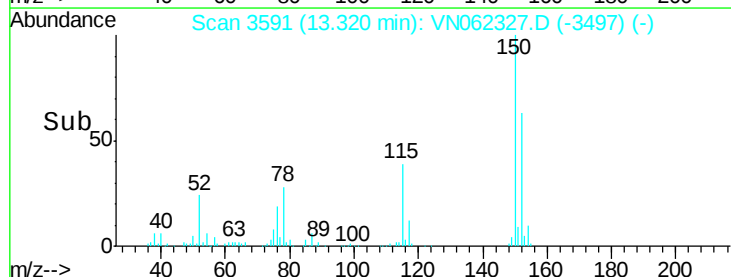
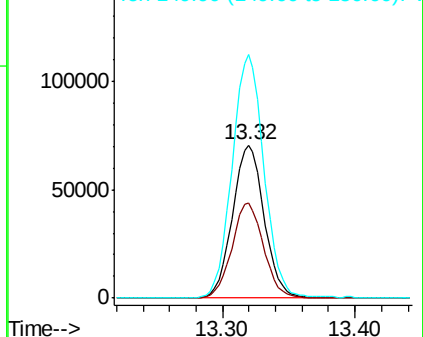
150 159.7 0.0 351.4

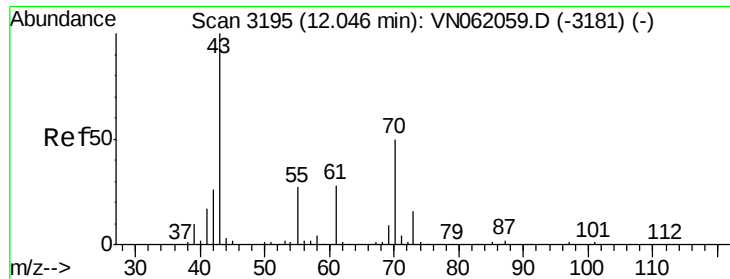


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.787 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

SP2-L

Tot Ion: 43 Resp: 1588

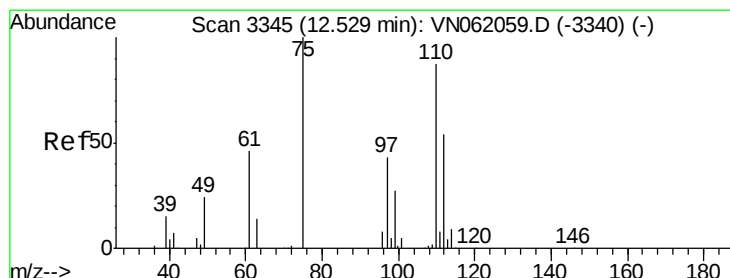
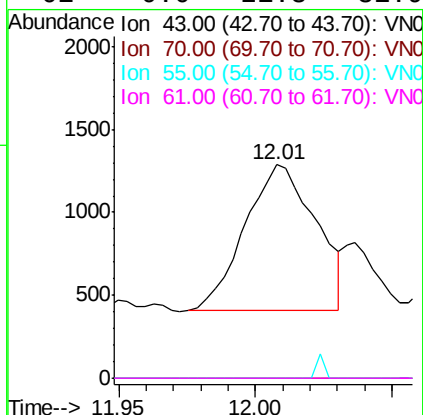
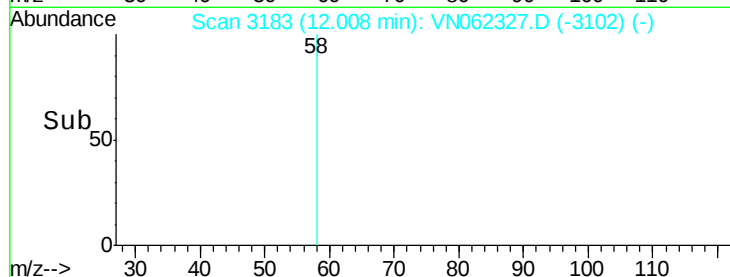
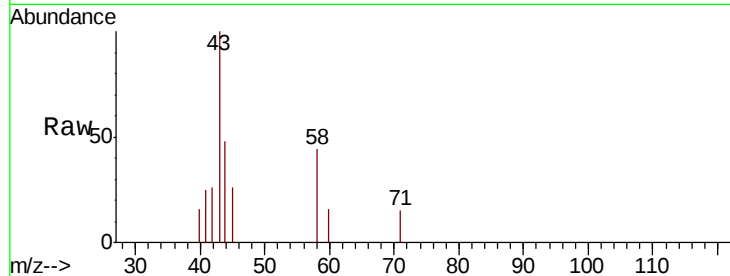
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 1.8 21.7 32.5#

61 0.0 21.3 31.9#



#76

1,2,3-Trichloropropane

Concen: 27.769 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062327.D

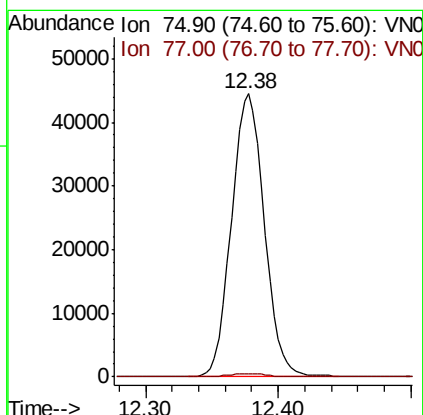
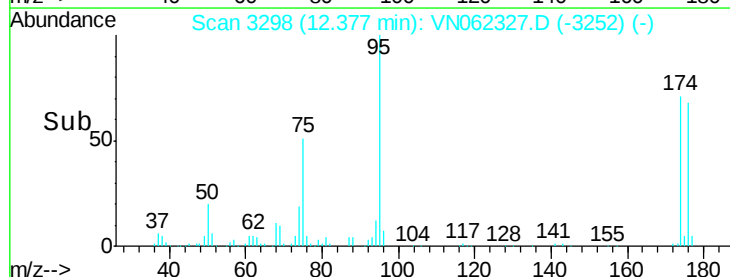
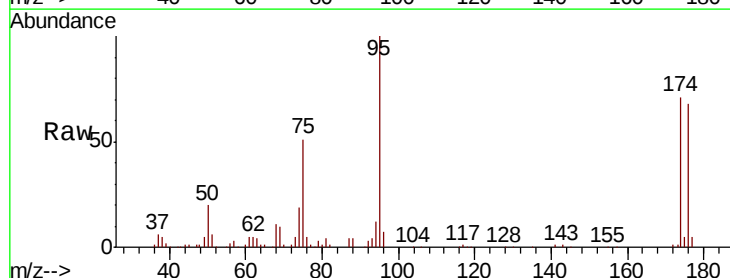
Acq: 2 Jul 2020 7:10

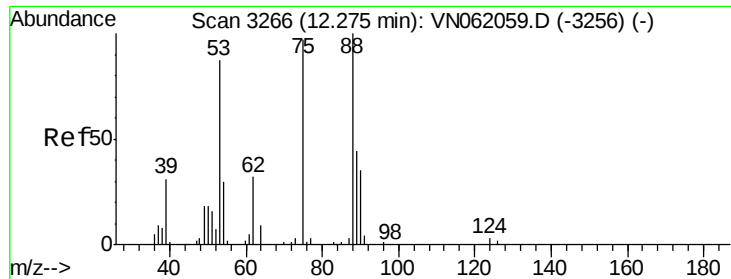
Tgt Ion: 75 Resp: 76549

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 81.095 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062327.D

Acq: 2 Jul 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

SP2-L

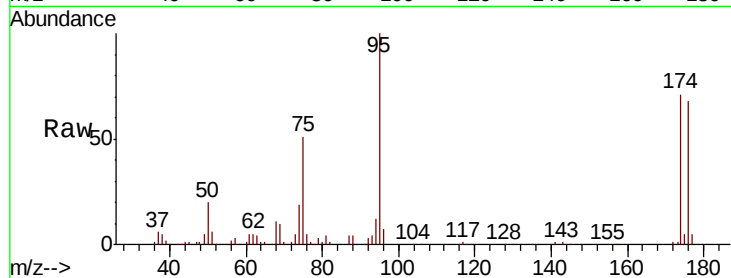
Tot Ion: 75 Resp: 76549

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

