

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062616.D
 Acq On : 27 Jul 2020 22:16
 Operator : JC/MD
 Sample : L3434-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11936

Quant Time: Jul 28 06:27:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	127195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	235055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	239132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104261	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	114109	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	7.55	113	78332	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.06	98	311455	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.38	95	122696	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

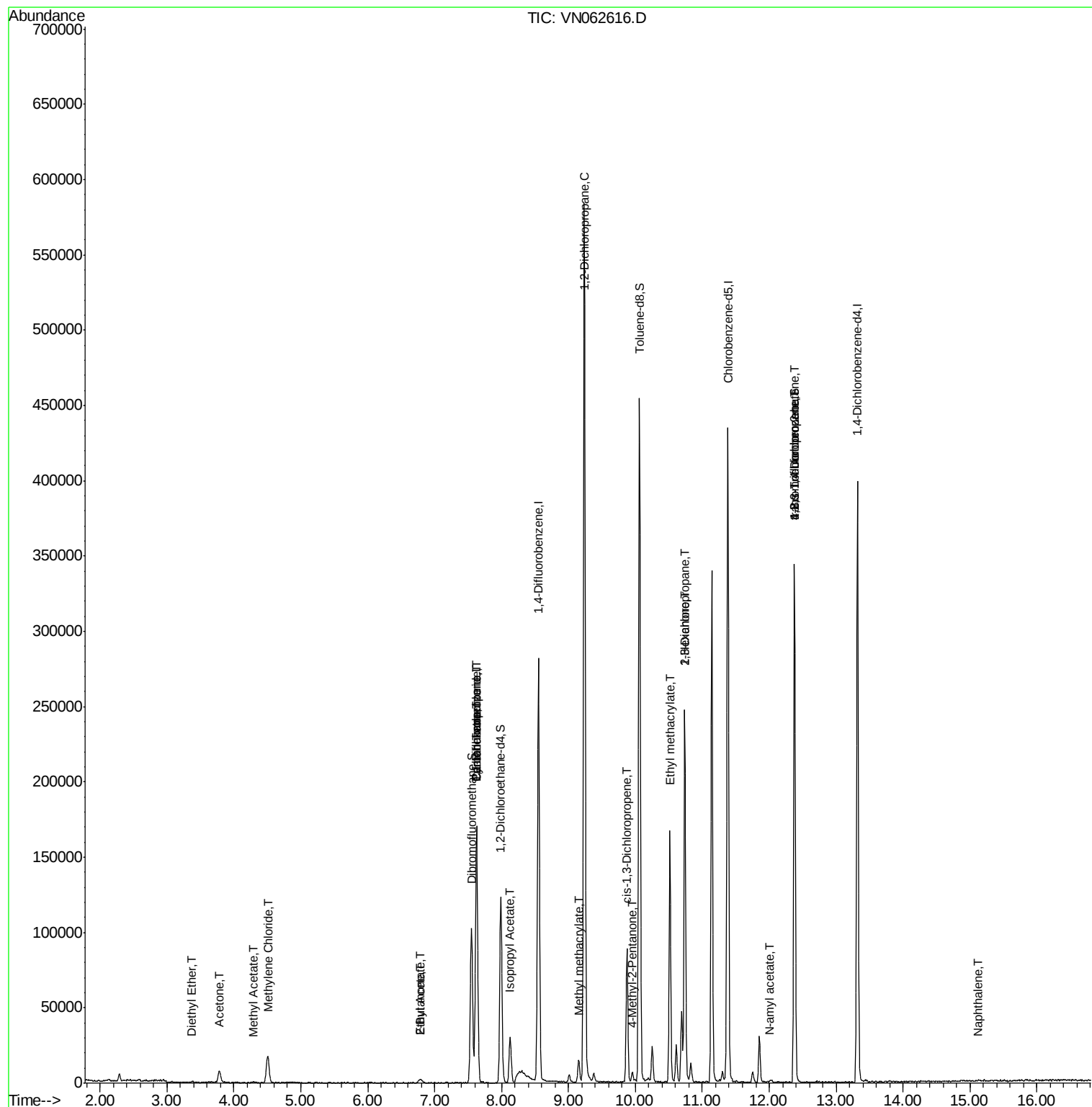
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	237	0.242	ug/l	65
16) Acetone	3.78	43	14503	19.505	ug/l	98
18) Methyl Acetate	4.29	43	1229	0.653	ug/l #	56
20) Methylene Chloride	4.51	84	13414	7.522	ug/l	88
25) 2-Butanone	6.80	43	2646	2.337	ug/l #	52
31) Cyclohexane	7.62	56	2846	0.978	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10856	4.333	ug/l #	50
37) Ethyl Acetate	6.80	43	2646	0.980	ug/l #	69
38) Carbon Tetrachloride	7.63	117	13285	5.516	ug/l #	18
43) Isopropyl Acetate	8.13	43	36901	8.476	ug/l #	88
45) 1,2-Dichloropropane	9.23	63	751	0.353	ug/l #	44
48) Methyl methacrylate	9.15	41	2200	1.063	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5100	1.958	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	15304	4.804	ug/l #	69
56) Ethyl methacrylate	10.52	69	778	2.014	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2662	0.851	ug/l #	42
59) 2-Hexanone	10.74	43	37239	21.224	ug/l #	54
74) N-amyl acetate	12.01	43	752	0.204	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	66744	25.150	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66744	70.012	ug/l #	12
95) Naphthalene	15.11	128	407	3.843	ug/l #	69

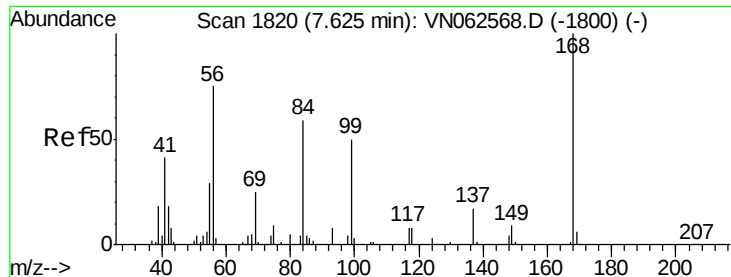
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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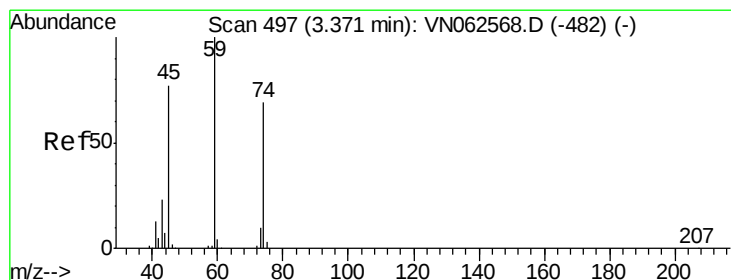
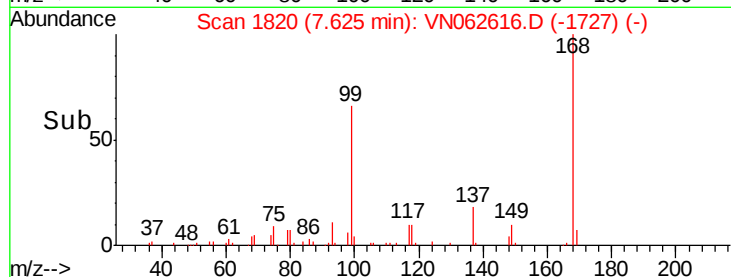
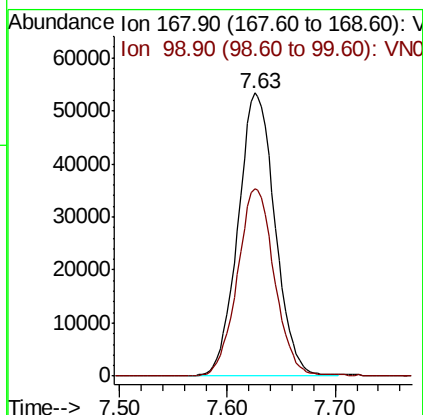
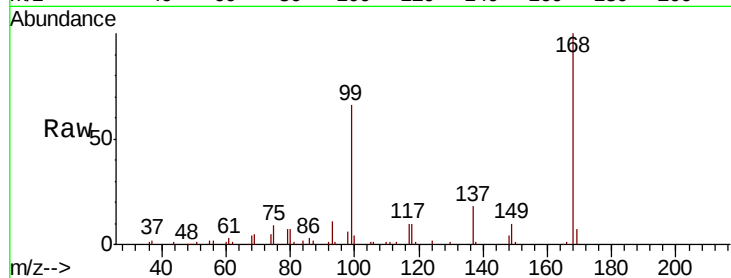




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062616.D
Acq: 27 Jul 2020 22:16

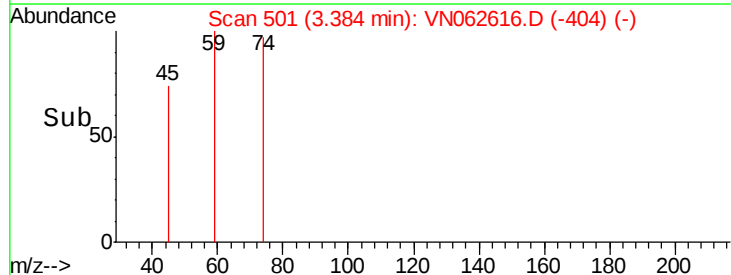
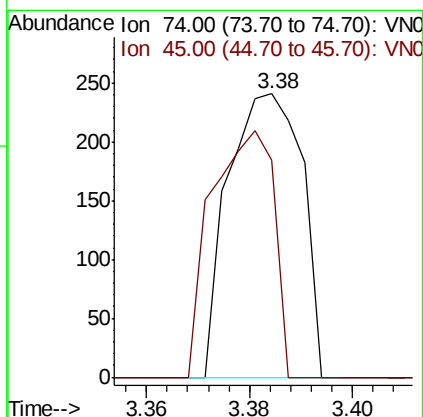
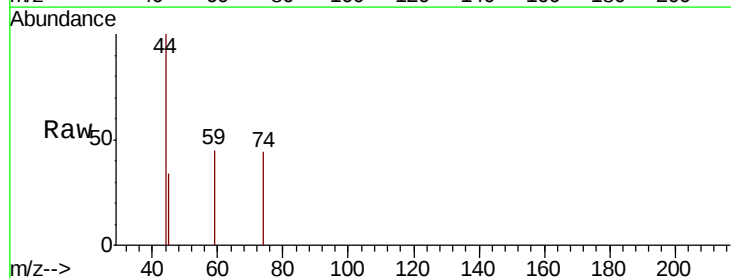
Instrument :
MSVOA_N
ClientSampled :
11936

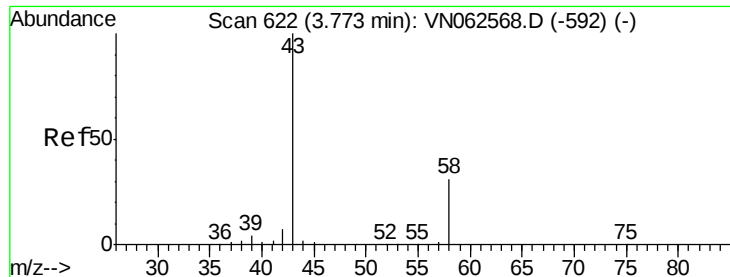
Tot Ion:168 Resp: 127195
Ion Ratio Lower Upper
168 100
99 66.3 48.4 72.6



#8
Diethyl Ether
Concen: 0.242 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.01 min
Lab File: VN062616.D
Acq: 27 Jul 2020 22:16

Tgt Ion: 74 Resp: 237
Ion Ratio Lower Upper
74 100
45 73.8 55.3 165.8





#16

Acetone

Concen: 19.505 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

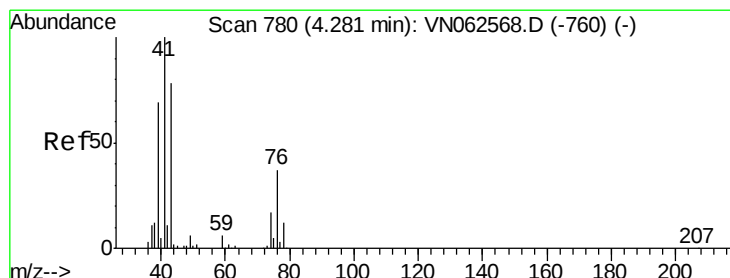
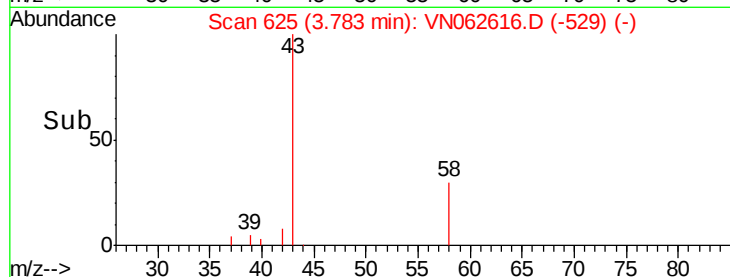
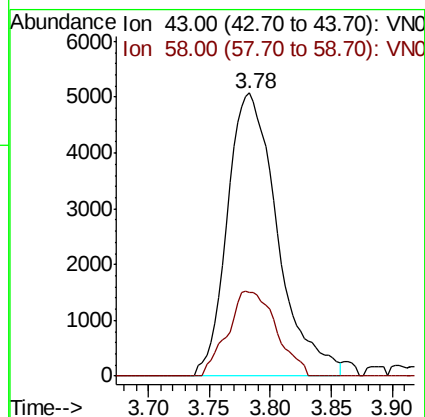
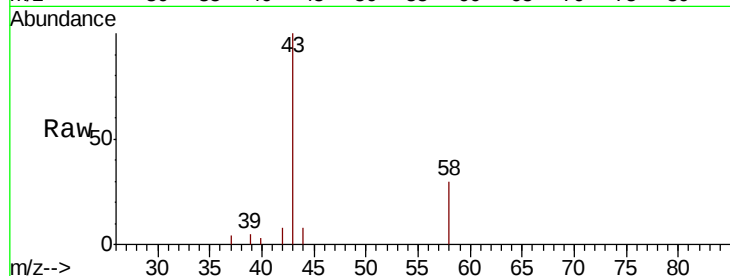
11936

Tot Ion: 43 Resp: 14503

Ion Ratio Lower Upper

43 100

58 29.7 24.6 37.0



#18

Methyl Acetate

Concen: 0.653 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN062616.D

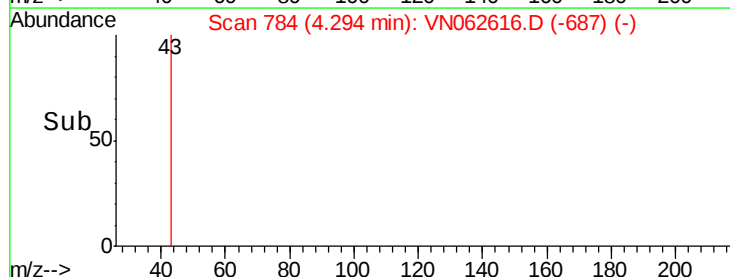
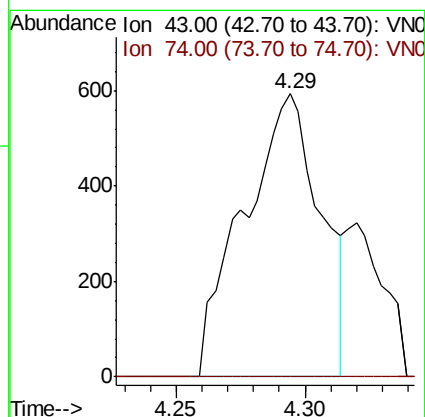
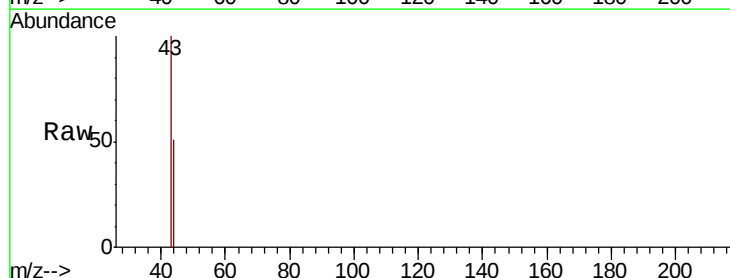
Acq: 27 Jul 2020 22:16

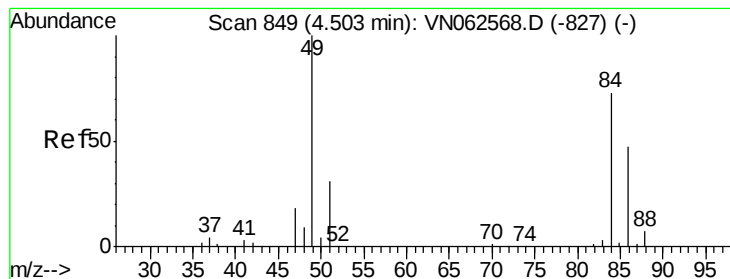
Tgt Ion: 43 Resp: 1229

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#20

Methvlene Chloride

Concen: 7.522 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampled :

11936

Tot Ion: 84 Resp: 13414

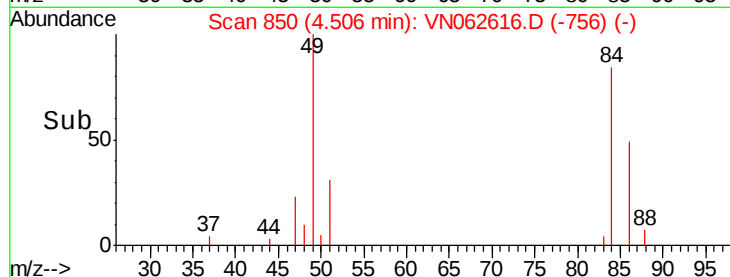
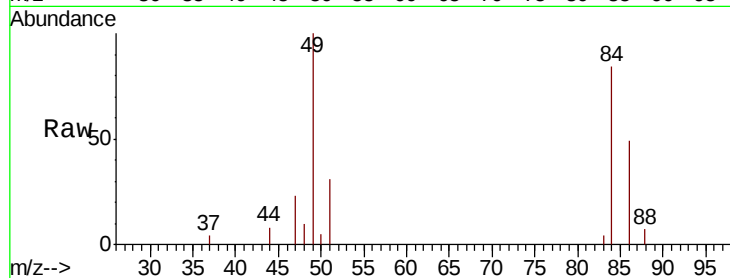
Ion Ratio Lower Upper

84 100

49 118.8 109.4 164.0

51 37.3 33.6 50.4

86 58.4 51.4 77.2

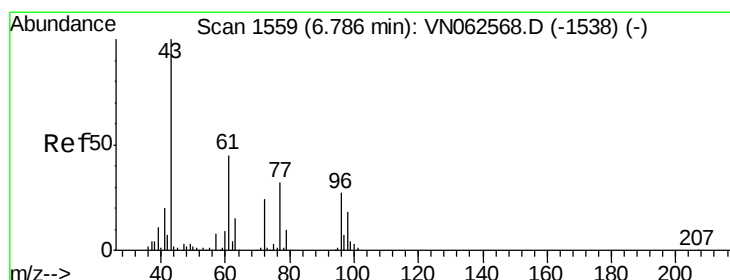
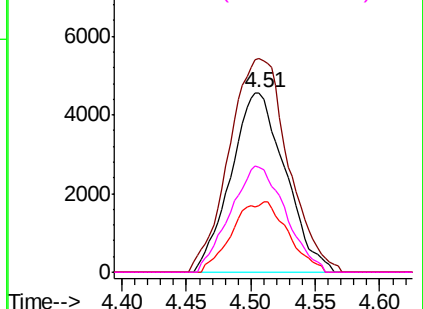


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 2.337 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062616.D

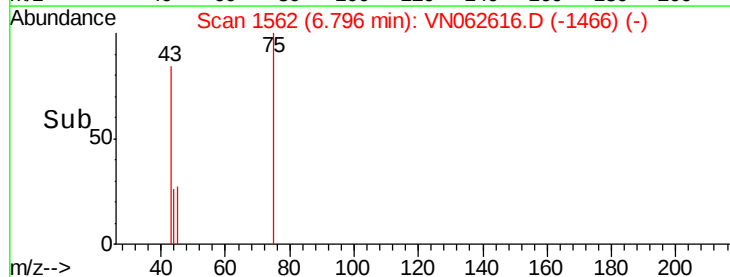
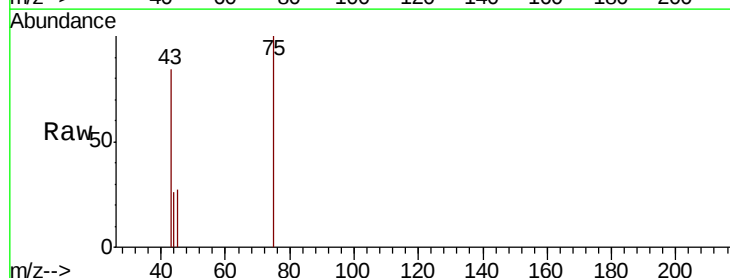
Acq: 27 Jul 2020 22:16

Tgt Ion: 43 Resp: 2646

Ion Ratio Lower Upper

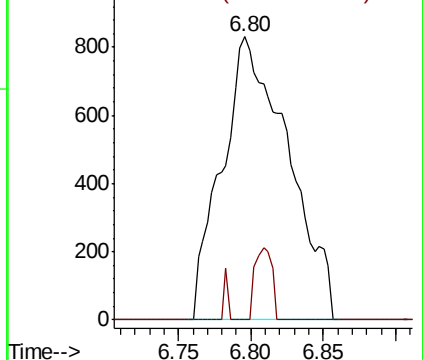
43 100

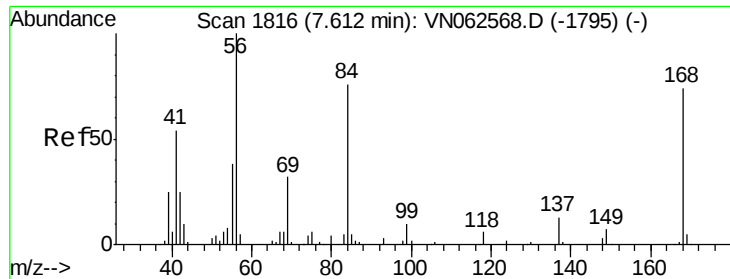
72 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

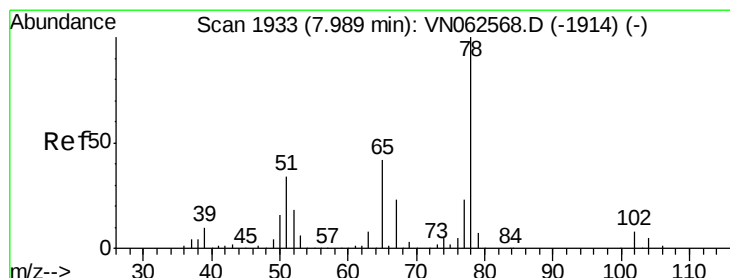
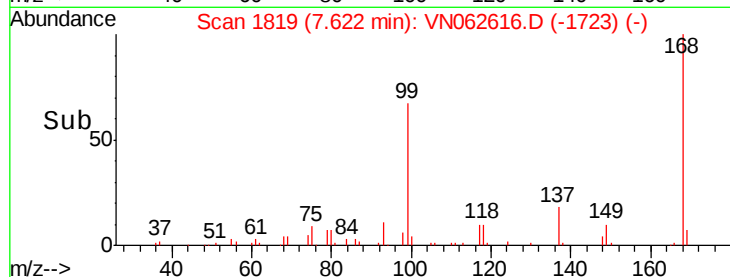
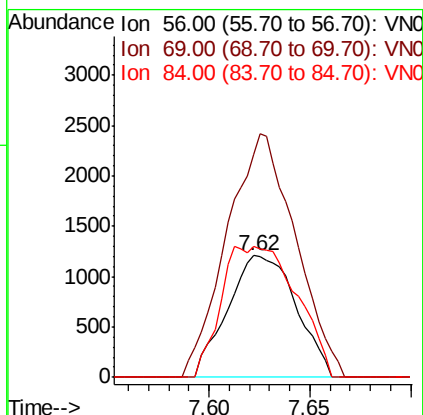
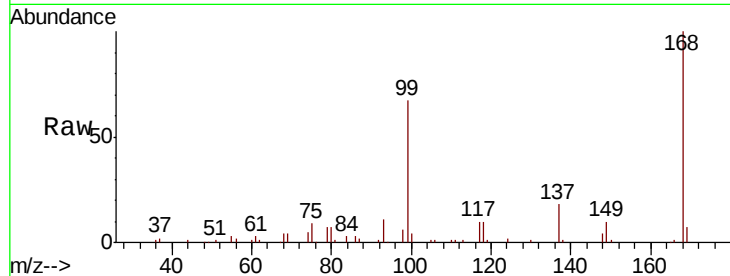




#31
Cyclohexane
Concen: 0.978 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062616.D
Acq: 27 Jul 2020 22:16

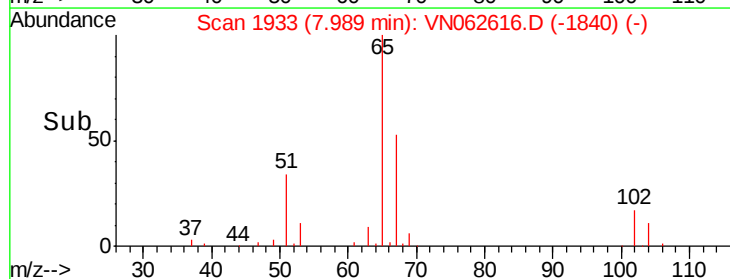
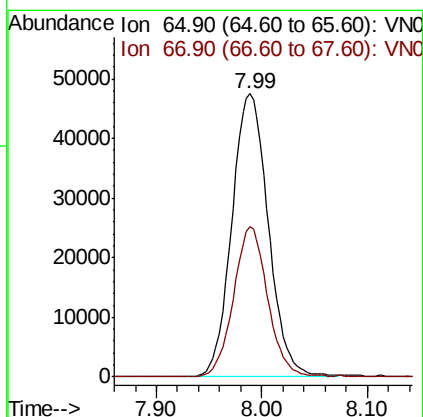
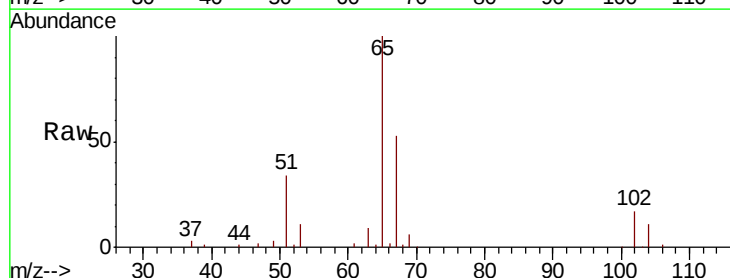
Instrument :
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ClientSampled :
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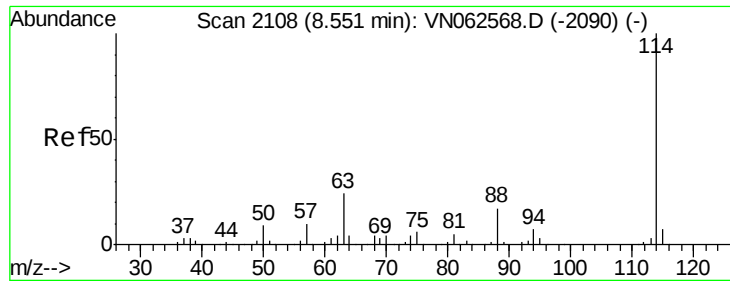
Tot Ion: 56 Resp: 2846
Ion Ratio Lower Upper
56 100
69 170.3 25.3 37.9#
84 107.5 61.0 91.4#



#33
1,2-Dichloroethane-d4
Concen: 57.750 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062616.D
Acq: 27 Jul 2020 22:16

Tgt Ion: 65 Resp: 114109
Ion Ratio Lower Upper
65 100
67 49.7 0.0 106.0

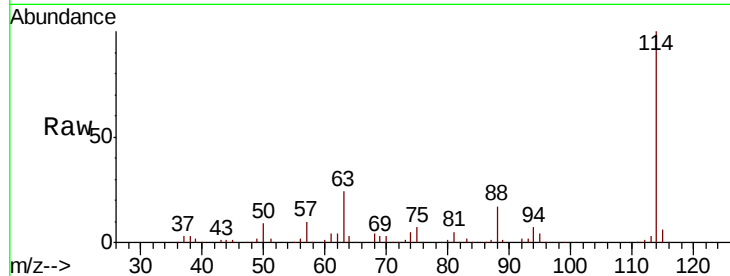




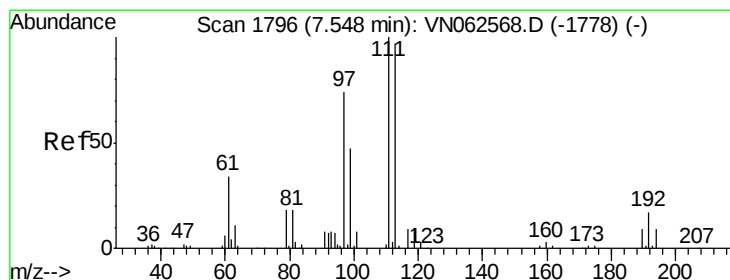
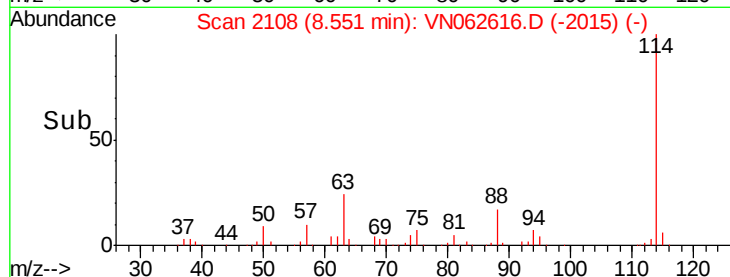
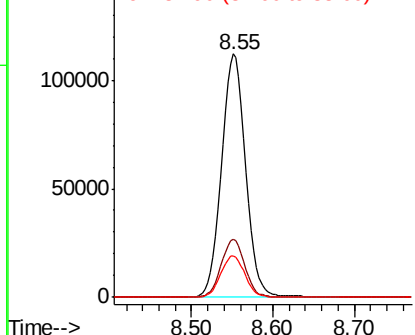
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 11936

Tot Ion:114 Resp: 235055
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.4
 88 17.1 0.0 33.8

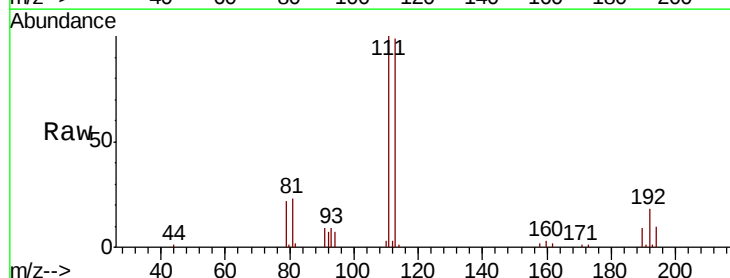


Abundance Ion 113.90 (113.60 to 114.60): V
 150000 Ion 63.00 (62.70 to 63.70): VN
 100000 Ion 87.90 (87.60 to 88.60): VN

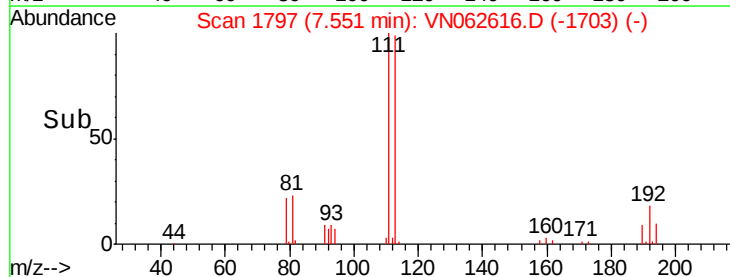
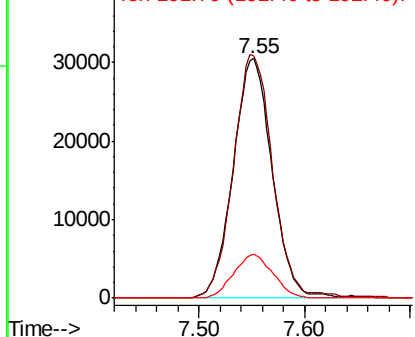


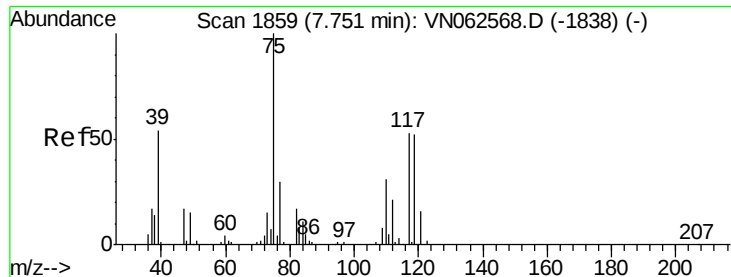
#35
 Dibromofluoromethane
 Concen: 50.734 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

Tgt Ion:113 Resp: 78332
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 18.3 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 40000 Ion 110.80 (110.50 to 111.50): V
 30000 Ion 191.70 (191.40 to 192.40): V

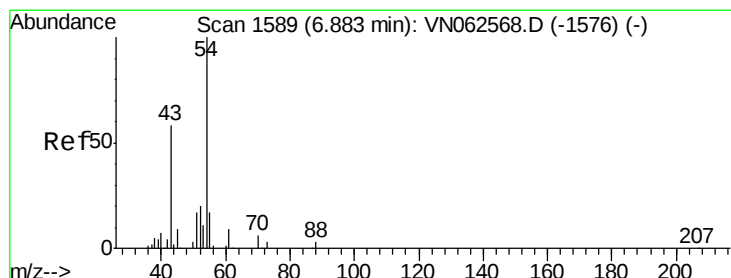
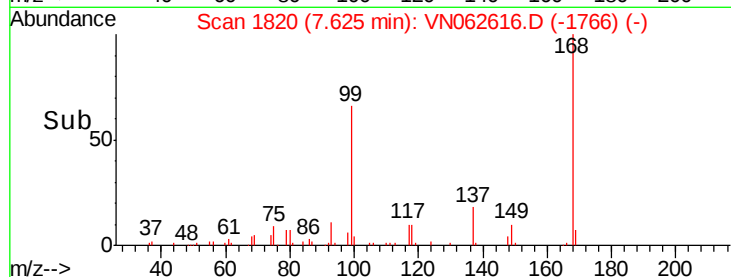
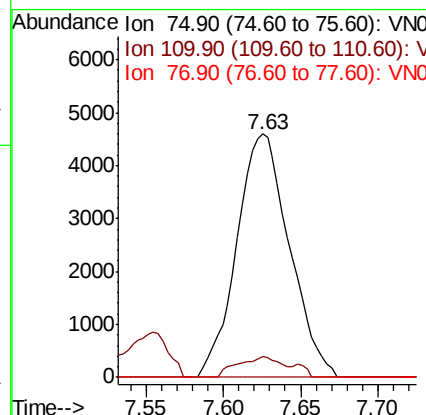
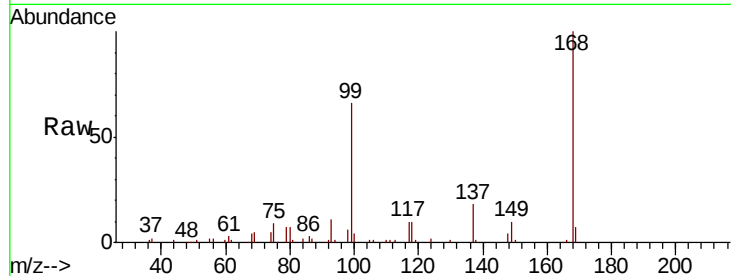




#36
 1,1-Dichloropropene
 Concen: 4.333 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

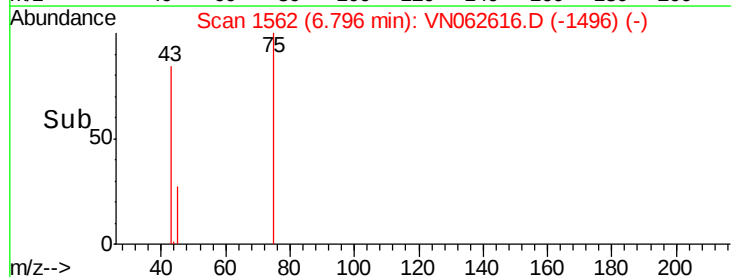
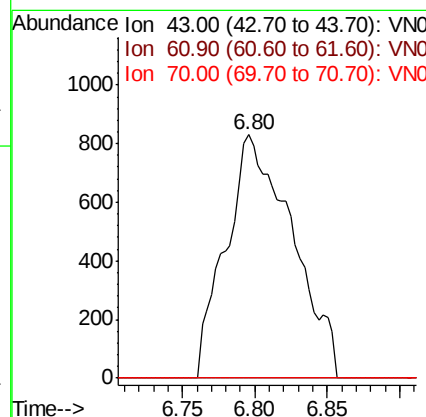
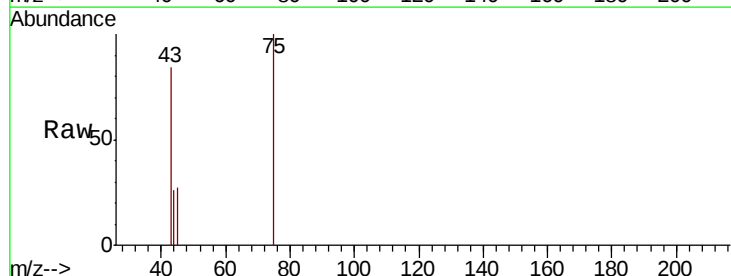
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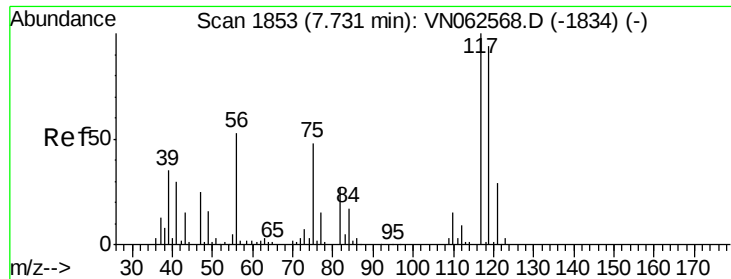
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.980 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.09 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#

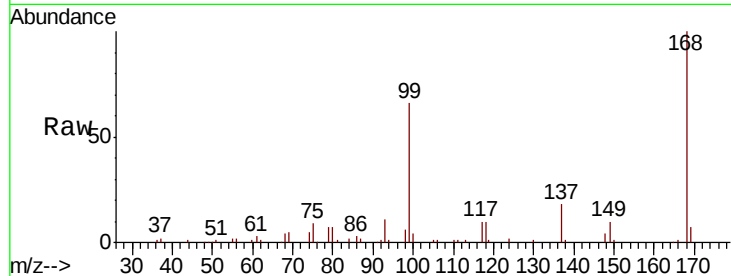




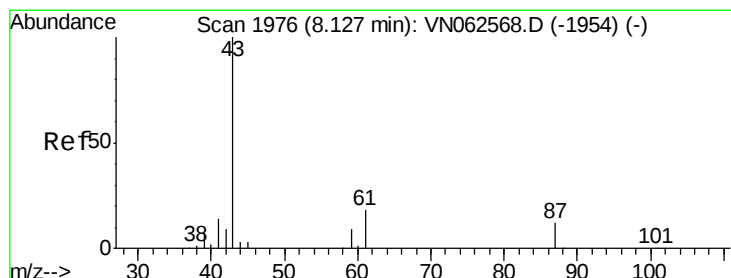
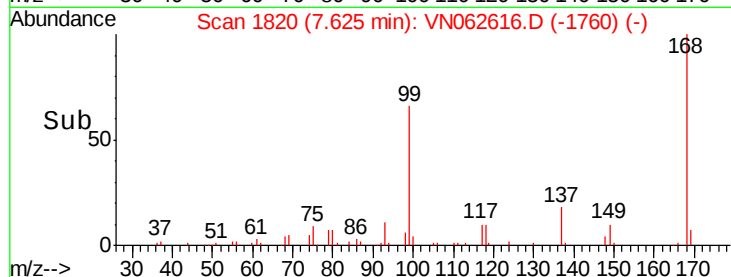
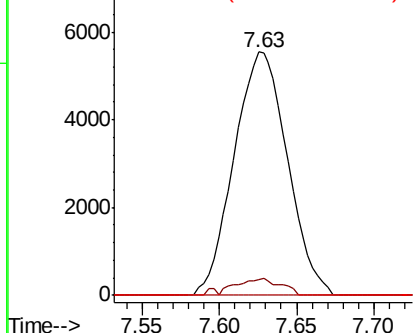
#38
Carbon Tetrachloride
Concen: 5.516 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062616.D
Acq: 27 Jul 2020 22:16

Instrument :
MSVOA_N
ClientSampled :
11936

Tot Ion:117 Resp: 13285
Ion Ratio Lower Upper
117 100
119 6.6 74.8 112.2#
121 0.0 23.0 34.6#

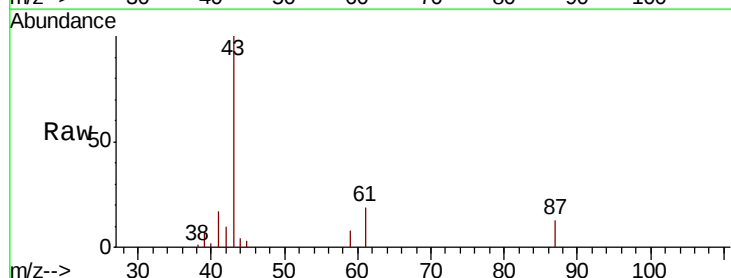


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

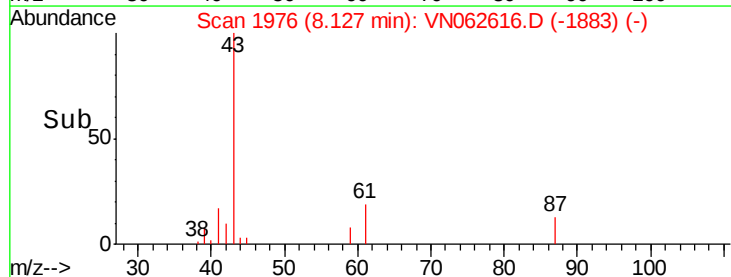
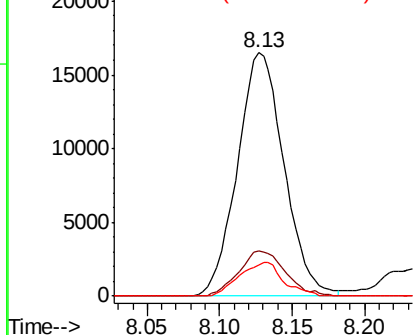


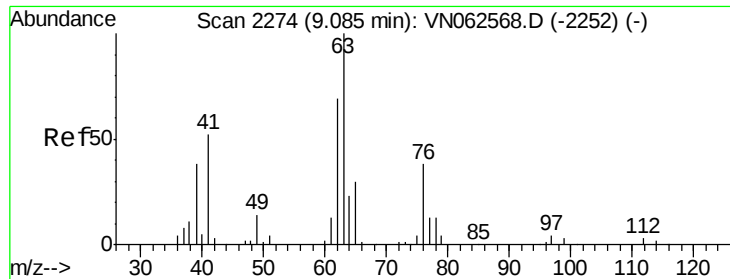
#43
Isopropyl Acetate
Concen: 8.476 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062616.D
Acq: 27 Jul 2020 22:16

Tgt Ion: 43 Resp: 36901
Ion Ratio Lower Upper
43 100
61 18.4 20.8 31.2#
87 13.1 9.2 13.8



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

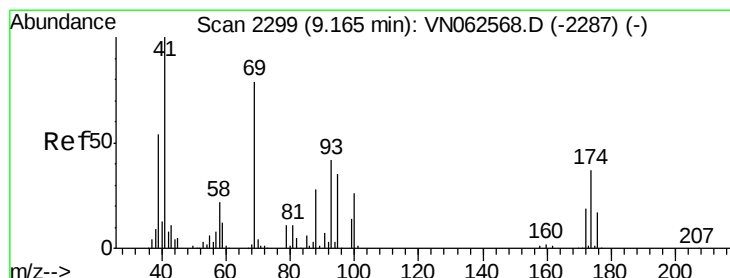
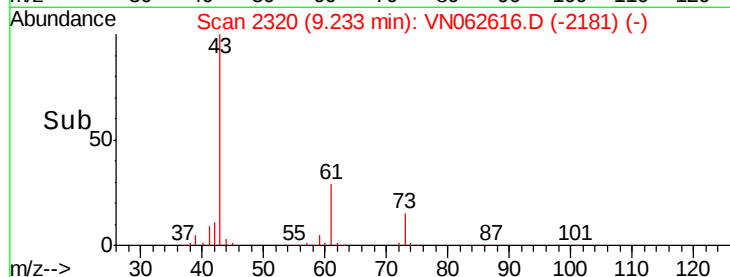
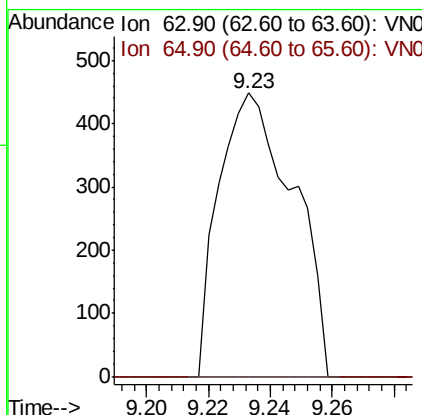
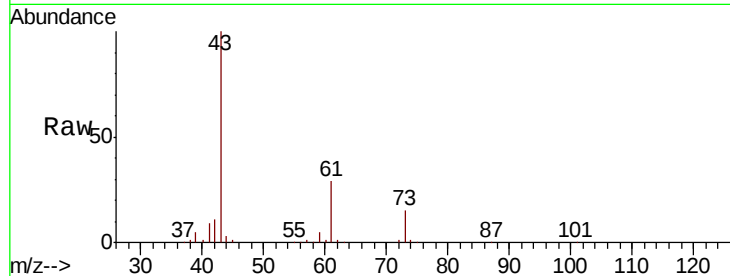




#45
 1,2-Dichloropropane
 Concen: 0.353 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

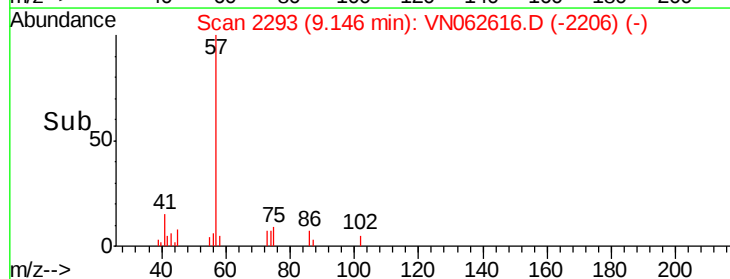
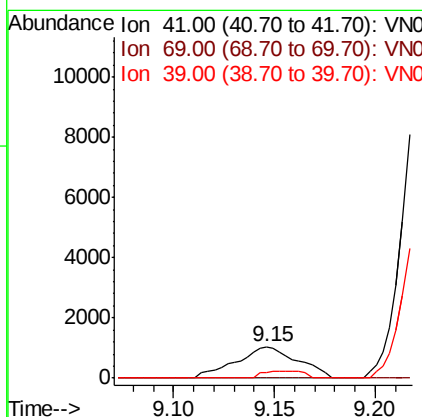
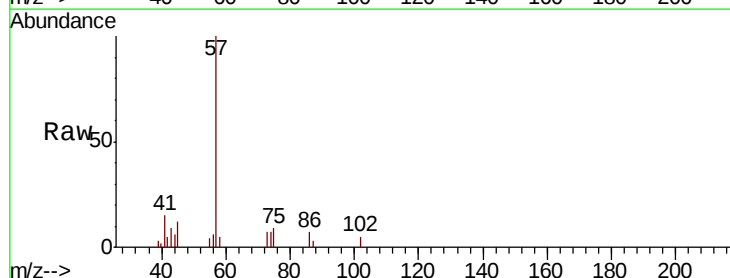
Instrument :
 MSVOA_N
 ClientSampled :
 11936

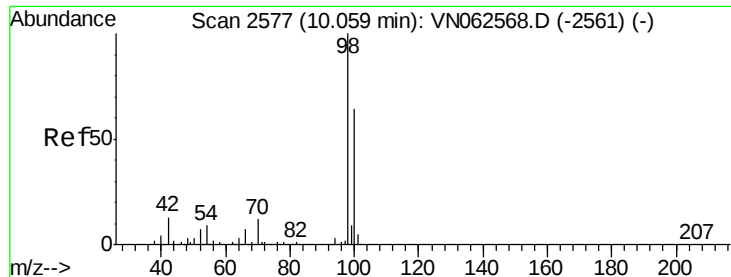
Tot Ion: 63 Resp: 751
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.063 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

Tgt Ion: 41 Resp: 2200
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 50.558 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

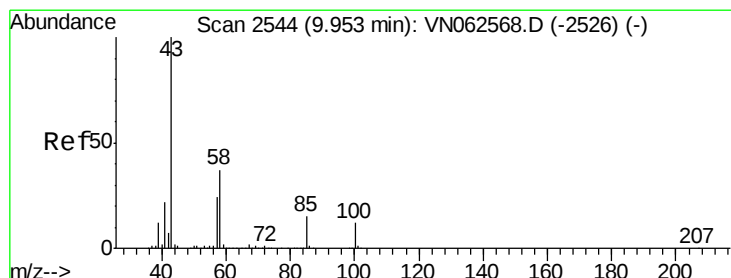
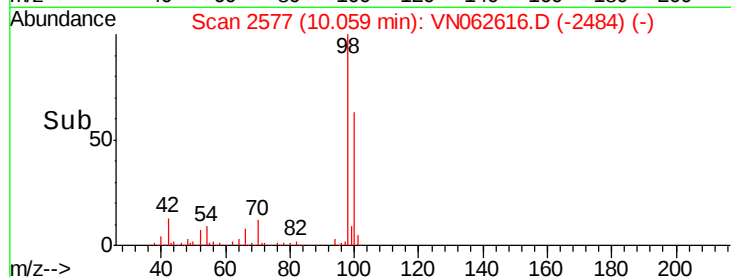
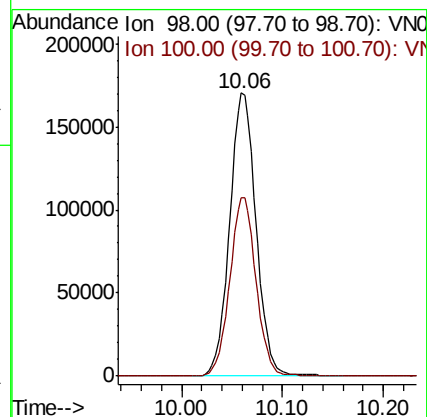
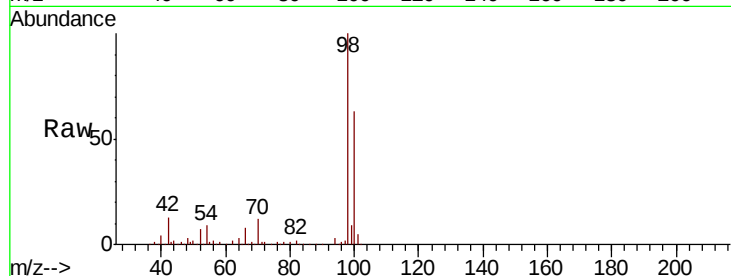
11936

Tot Ion: 98 Resp: 311455

Ion Ratio Lower Upper

98 100

100 62.6 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.958 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062616.D

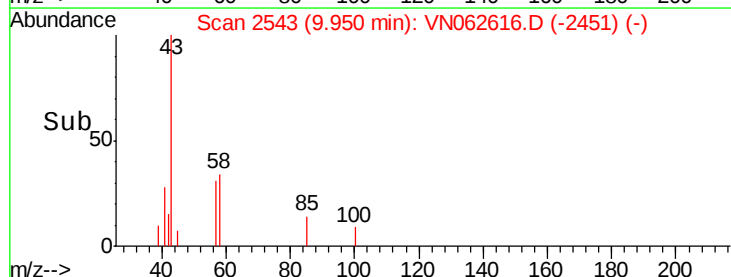
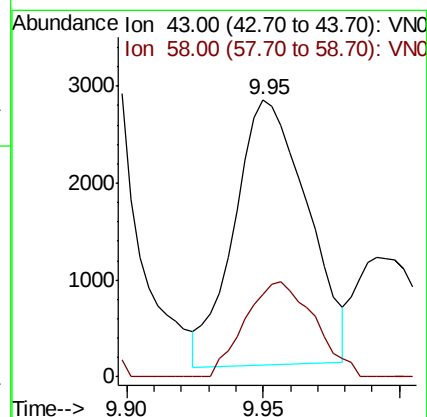
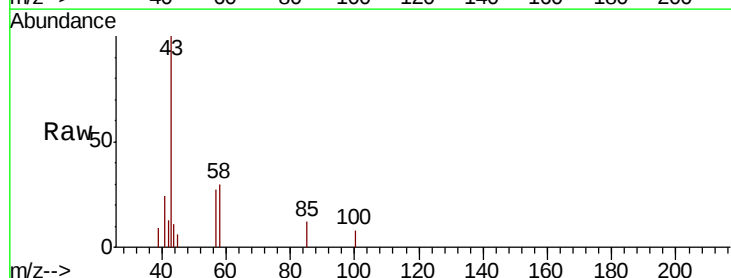
Acq: 27 Jul 2020 22:16

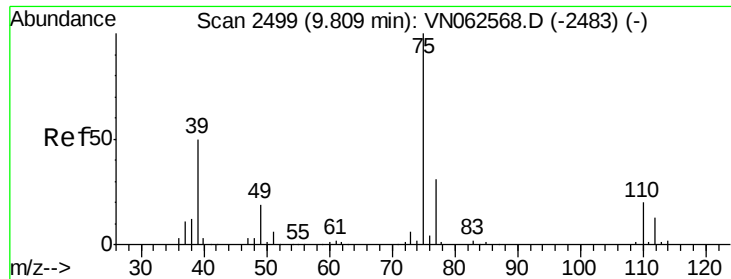
Tgt Ion: 43 Resp: 5100

Ion Ratio Lower Upper

43 100

58 34.0 29.8 44.6



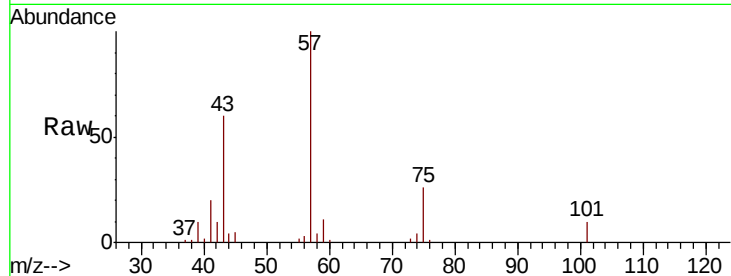


#54

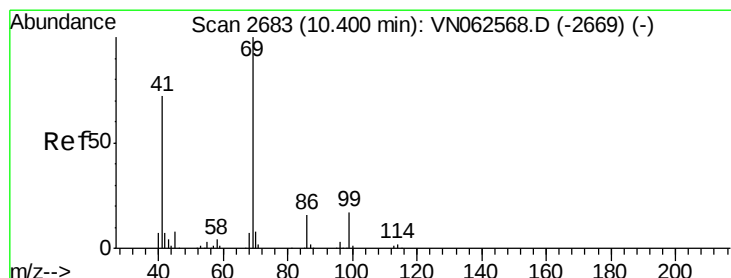
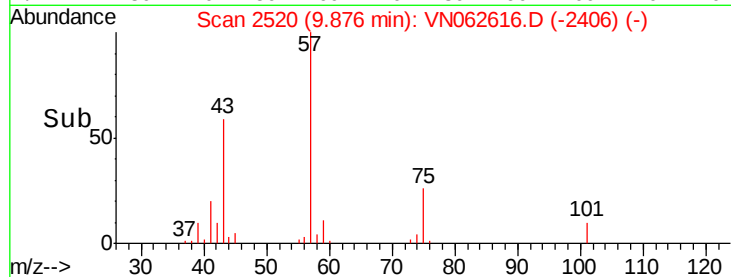
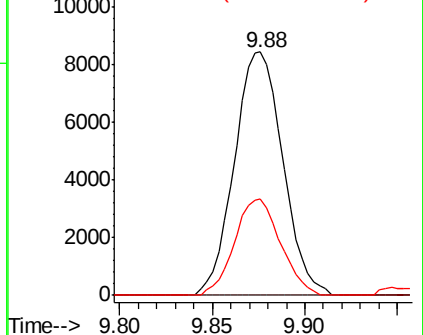
cis-1,3-Dichloropropene
 Concen: 4.804 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 11936

Tot Ion: 75 Resp: 15304
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 39.4 39.8 59.8#



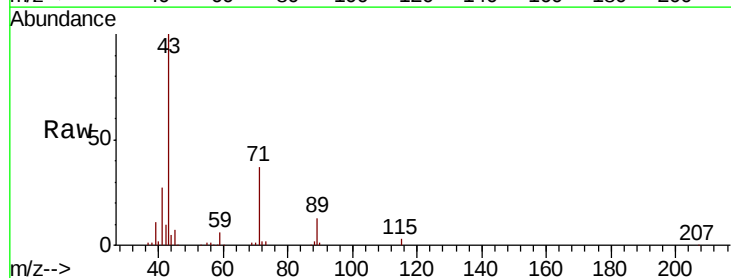
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



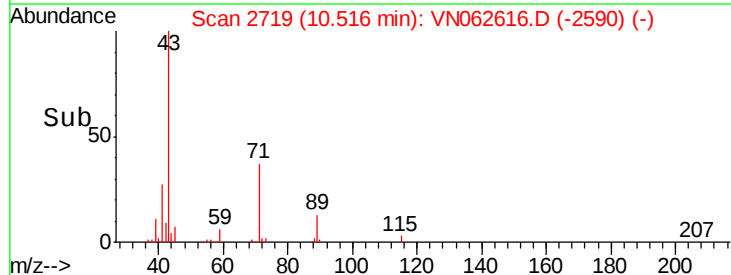
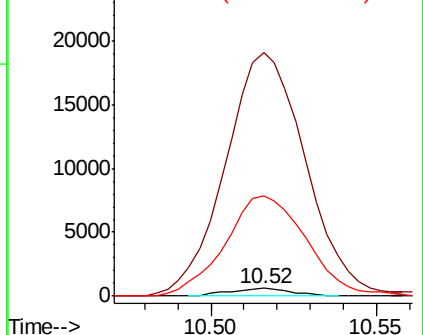
#56

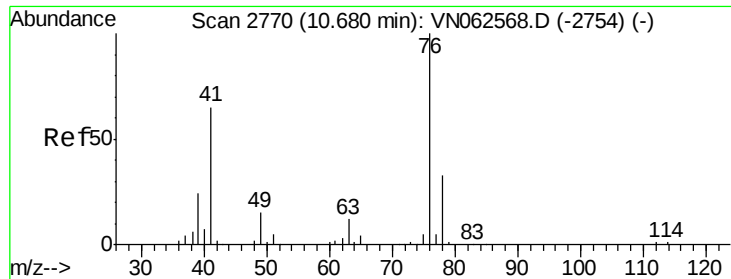
Ethyl methacrylate
 Concen: 2.014 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062616.D
 Acq: 27 Jul 2020 22:16

Tgt Ion: 69 Resp: 778
 Ion Ratio Lower Upper
 69 100
 41 4169.3 57.2 85.8#
 39 1730.3 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.851 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampled :

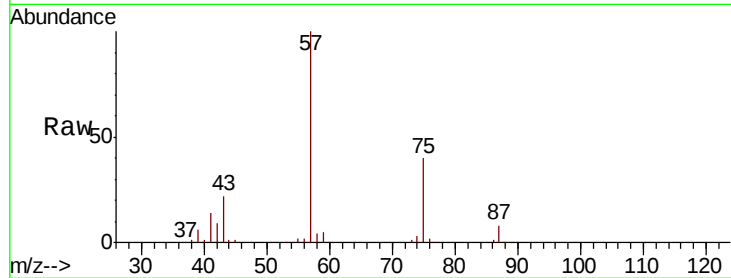
11936

Tot Ion: 76 Resp: 2662

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.74

2000

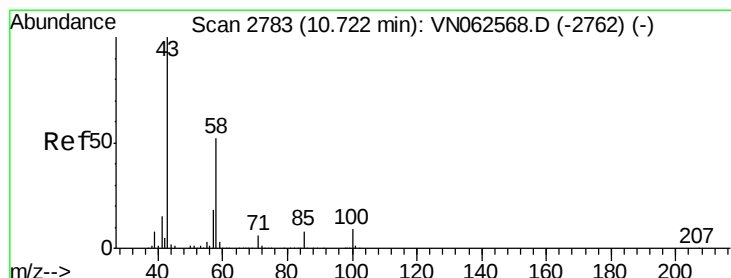
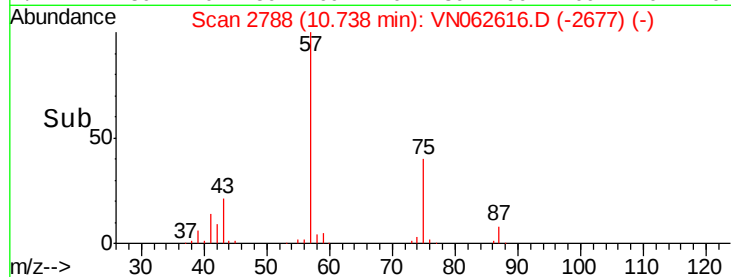
1500

1000

500

0

Time-->



#59

2-Hexanone

Concen: 21.224 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062616.D

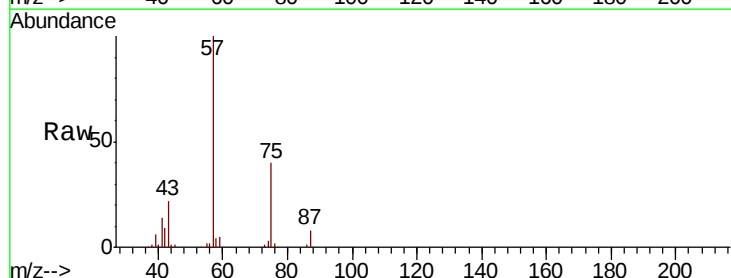
Acq: 27 Jul 2020 22:16

Tgt Ion: 43 Resp: 37239

Ion Ratio Lower Upper

43 100

58 19.3 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

25000

20000

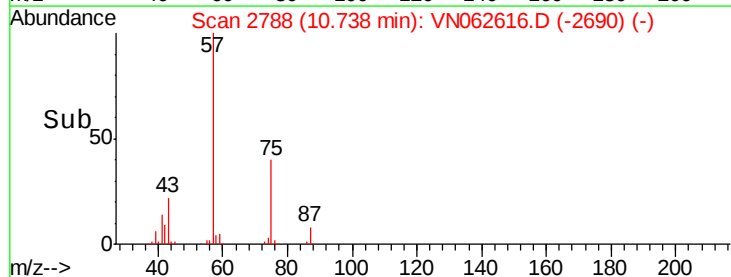
15000

10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 54.471 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

11936

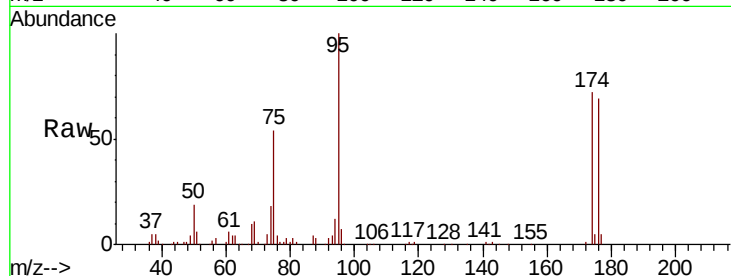
Tot Ion: 95 Resp: 122696

Ion Ratio Lower Upper

95 100

174 72.6 0.0 144.6

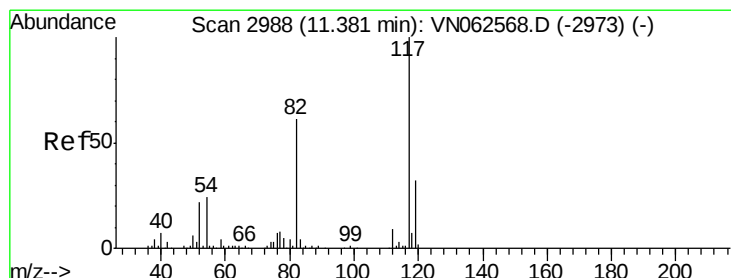
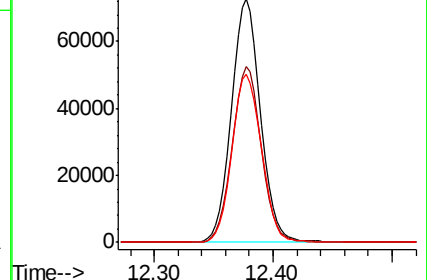
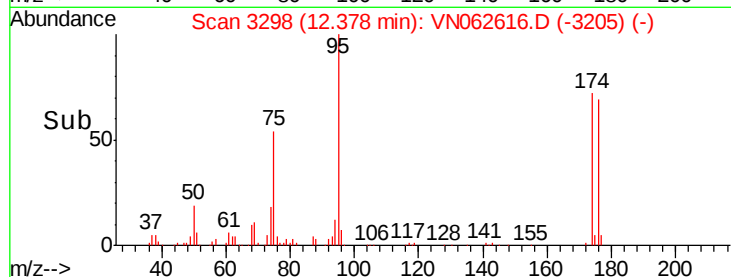
176 70.3 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062616.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062616.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062616.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

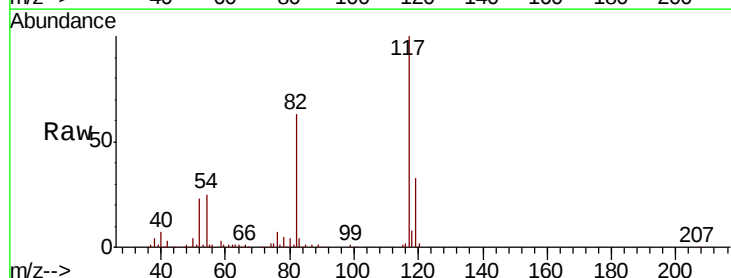
Tgt Ion: 117 Resp: 239132

Ion Ratio Lower Upper

117 100

82 63.0 49.0 73.6

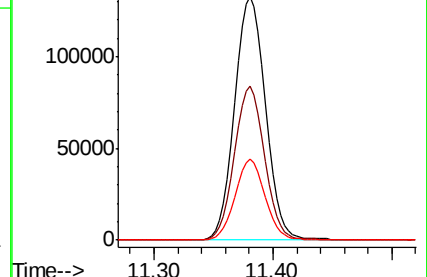
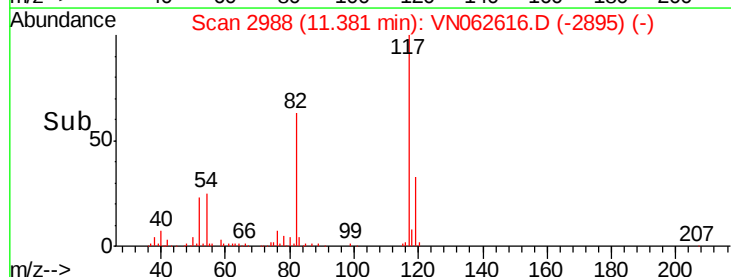
119 33.1 25.4 38.2

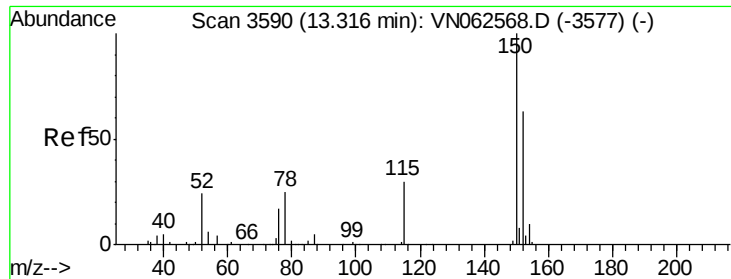


Abundance Ion 116.90 (116.60 to 117.60): VN062616.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062616.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062616.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

11936

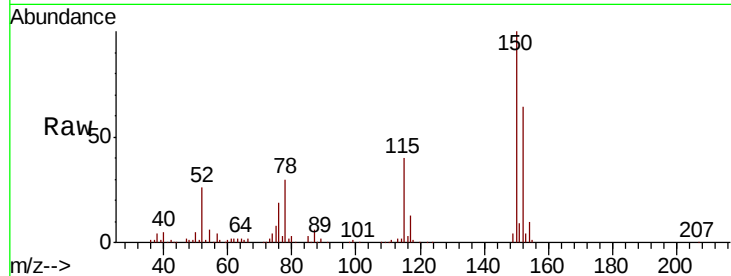
Tot Ion:152 Resp: 104261

Ion Ratio Lower Upper

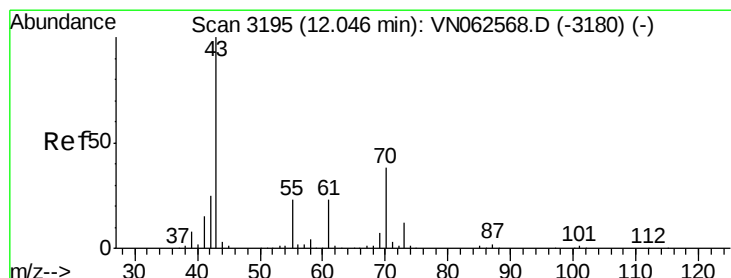
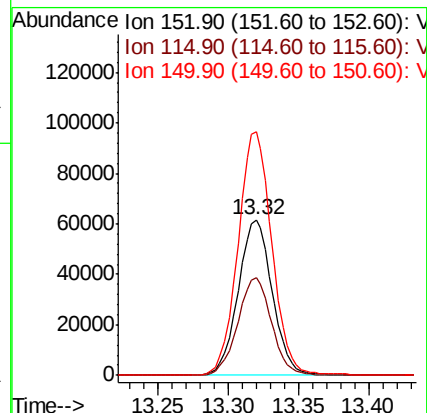
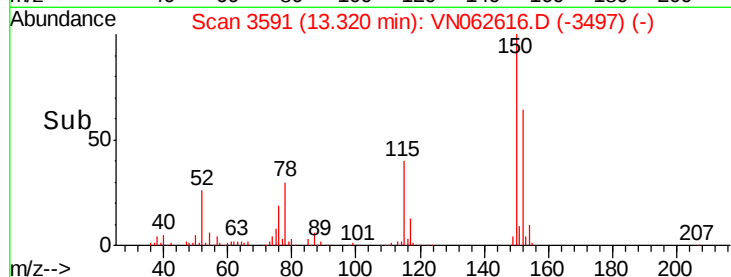
152 100

115 62.0 31.8 95.4

150 155.5 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-ethyl acetate

Concen: 0.204 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Tgt Ion: 43 Resp: 752

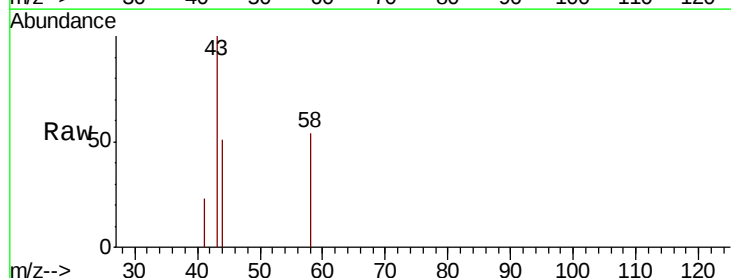
Ion Ratio Lower Upper

43 100

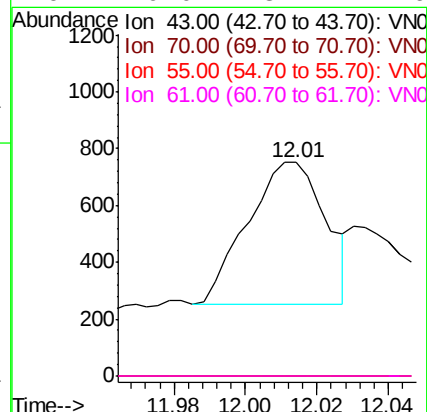
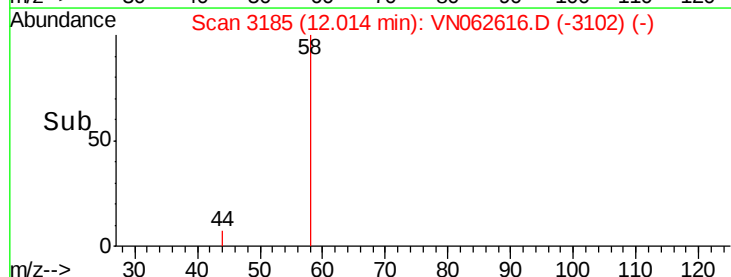
70 0.0 30.5 45.7#

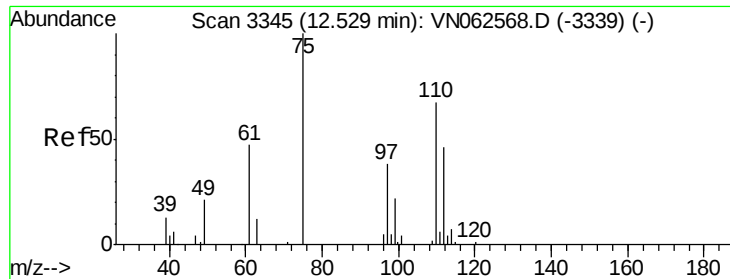
55 0.0 19.0 28.6#

61 0.0 18.4 27.6#



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: 25.150 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

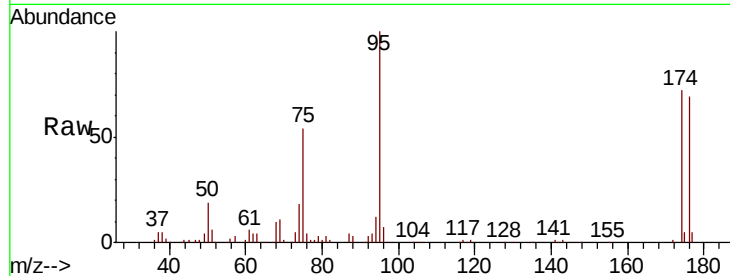
11936

Tot Ion: 75 Resp: 66744

Ion Ratio Lower Upper

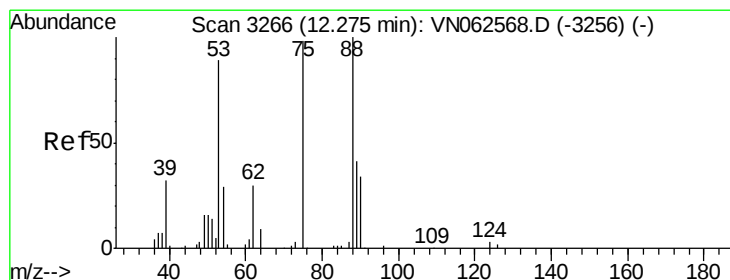
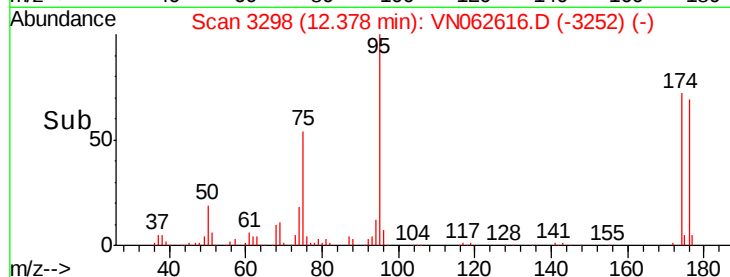
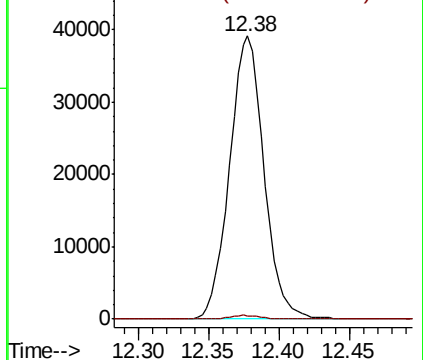
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.012 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062616.D

Acq: 27 Jul 2020 22:16

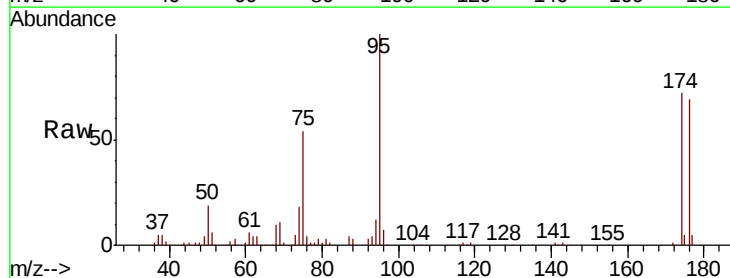
Tgt Ion: 75 Resp: 66744

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

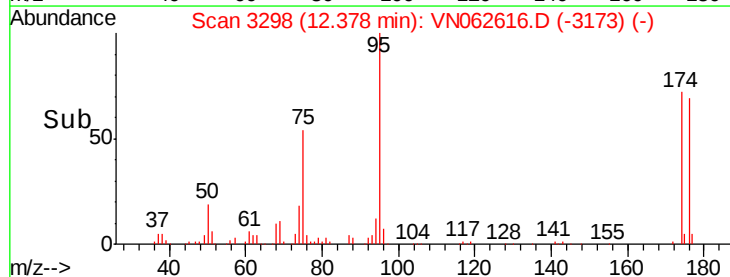
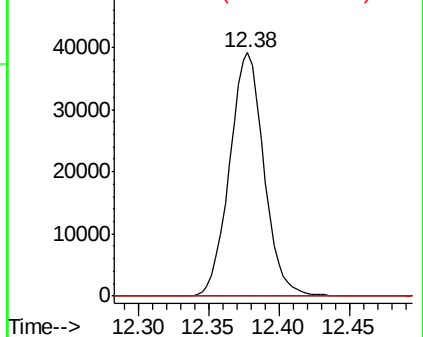
89 0.0 34.5 51.7#

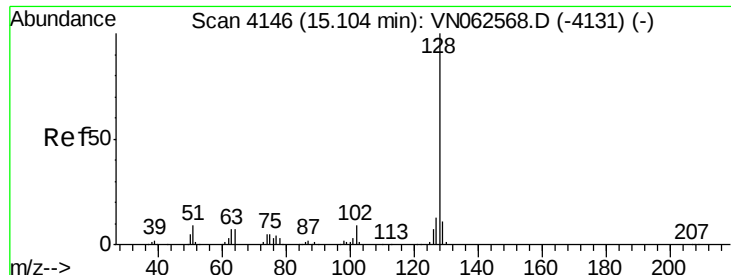


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Napthalene

Concen: 3.843 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062616.D

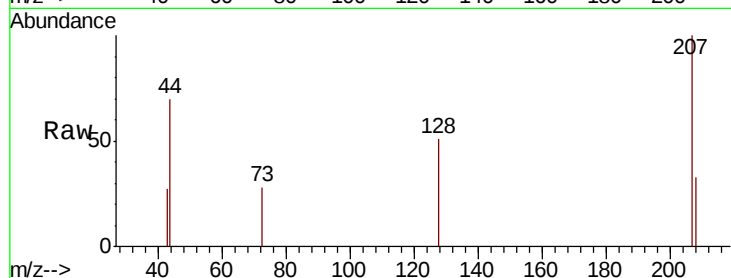
Acq: 27 Jul 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

11936



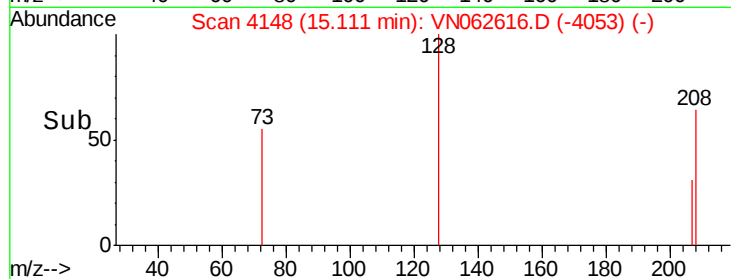
Tot Ion:128 Resp: 407

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

