

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062623.D
 Acq On : 28 Jul 2020 00:59
 Operator : JC/MD
 Sample : L3439-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20200444-3002D

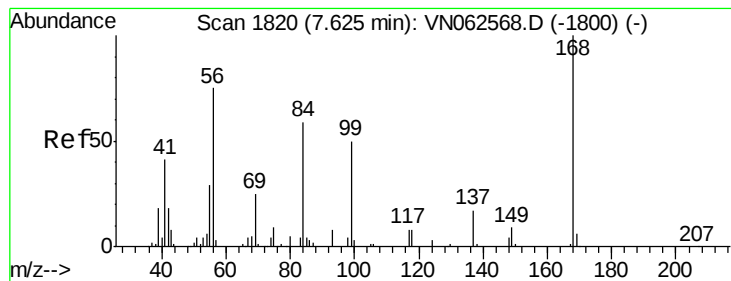
Quant Time: Jul 28 06:29:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106928	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	133126	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	7.55	113	95224	57.94	ug/l	0.00
Spiked Amount			Recovery	=	115.88%	
50) Toluene-d8	10.06	98	313746	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.38	95	134926	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	64997	72.201	ug/l	97
18) Methyl Acetate	4.29	43	1879	0.824	ug/l #	56
20) Methylene Chloride	4.50	84	12422	5.753	ug/l	94
25) 2-Butanone	6.79	43	16004	11.673	ug/l	95
29) Tetrahydrofuran	7.18	42	594	0.640	ug/l #	51
31) Cyclohexane	7.63	56	3770	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	13302	4.987	ug/l #	48
37) Ethyl Acetate	6.79	43	16004	5.567	ug/l #	69
38) Carbon Tetrachloride	7.63	117	16837	6.567	ug/l #	18
41) Methacrylonitrile	7.17	41	303	0.246	ug/l #	14
43) Isopropyl Acetate	8.13	43	42513	9.173	ug/l #	92
48) Methyl methacrylate	9.14	41	2277	1.033	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5273	1.901	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	13554	3.997	ug/l #	69
56) Ethyl methacrylate	10.52	69	643	1.959	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	1467	0.440	ug/l #	42
59) 2-Hexanone	10.74	43	27637	15.693	ug/l #	54
74) N-amyl acetate	12.00	43	1383	0.366	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	74405	27.338	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	74405	76.102	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

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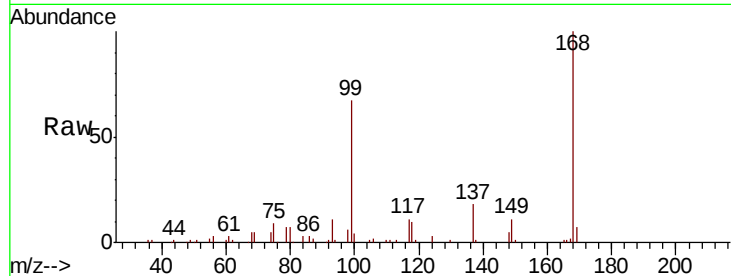
20200444-3002D

Tot Ion:168 Resp: 153997

Ion Ratio Lower Upper

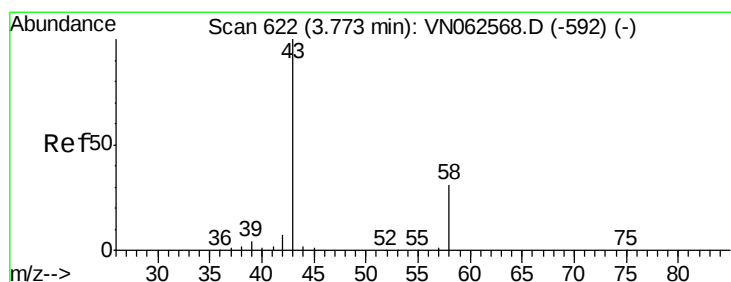
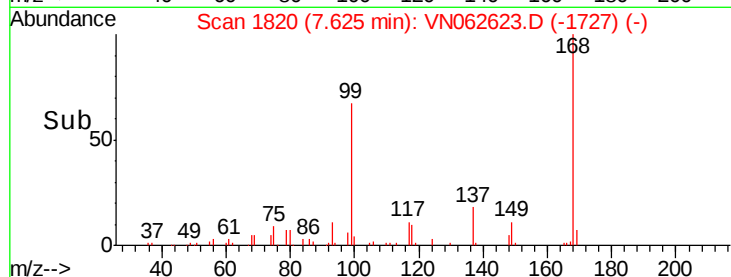
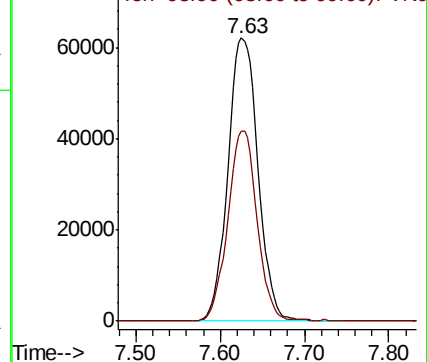
168 100

99 67.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 72.201 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062623.D

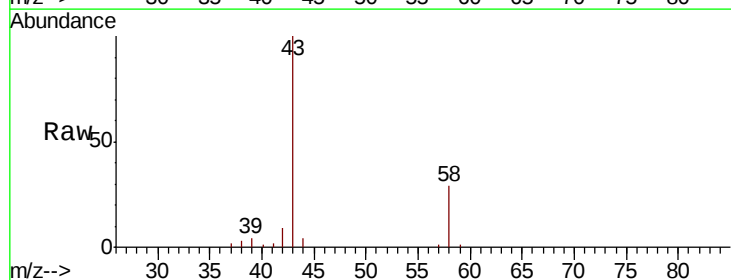
Acq: 28 Jul 2020 00:59

Tgt Ion: 43 Resp: 64997

Ion Ratio Lower Upper

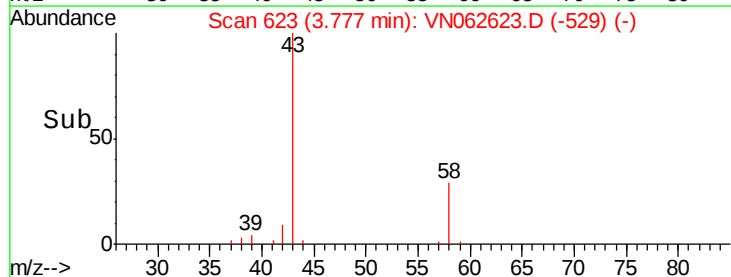
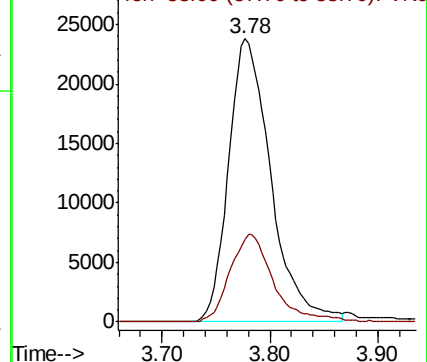
43 100

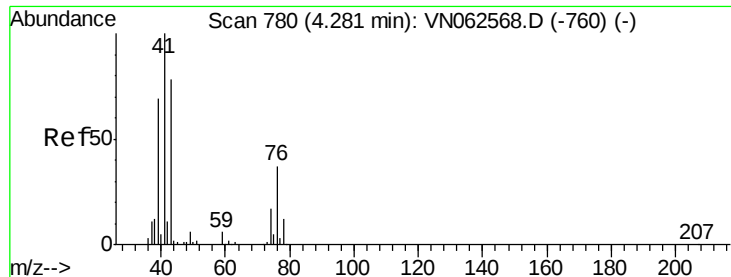
58 29.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

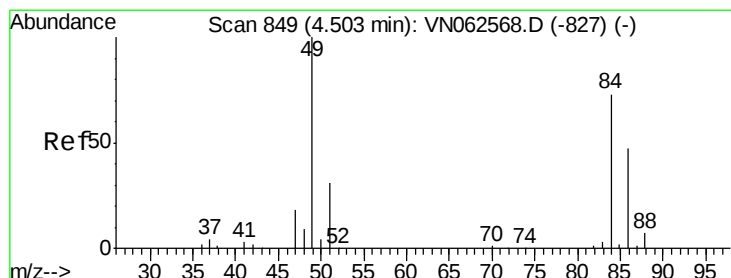
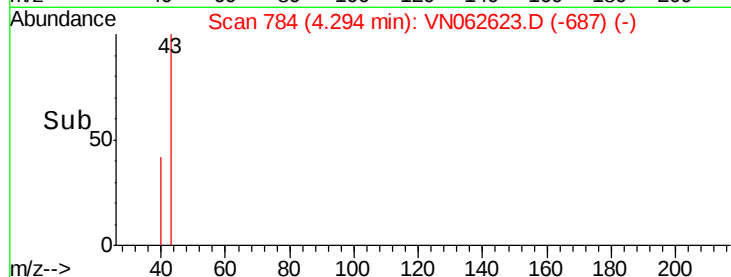
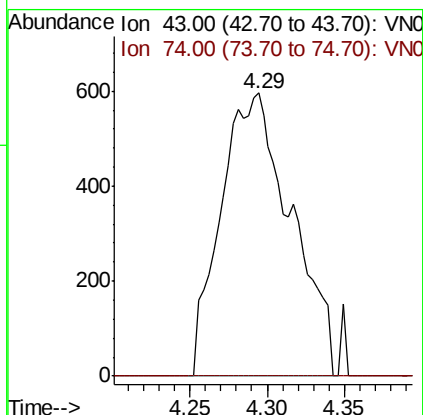
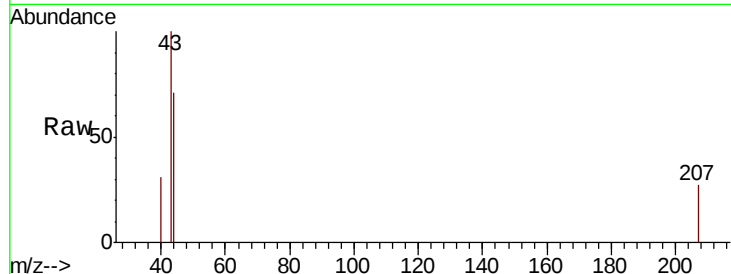




#18
Methyl Acetate
Concen: 0.824 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

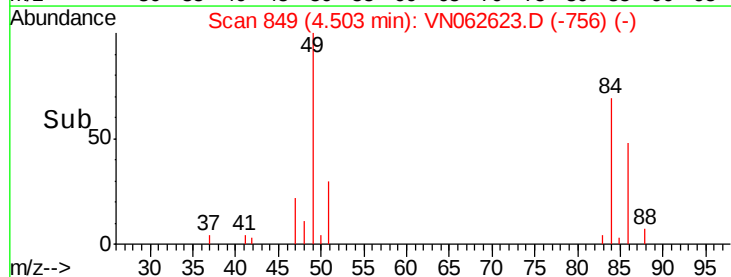
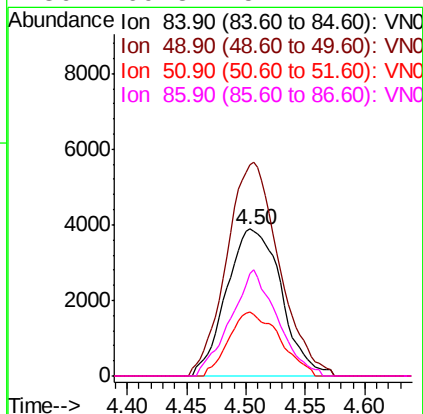
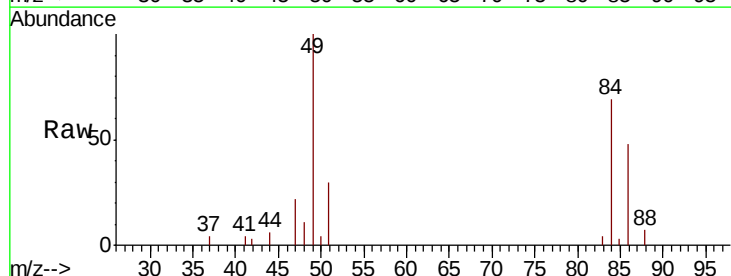
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ClientSampleId :
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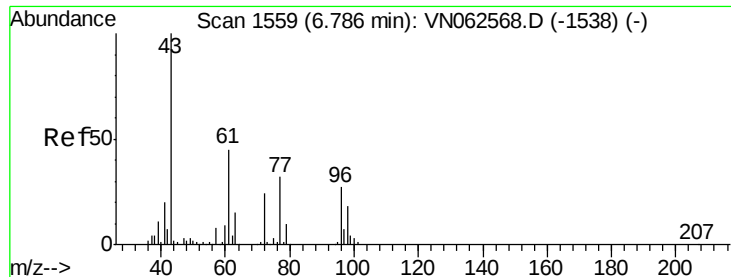
Tot Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 5.753 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Tgt Ion: 84 Resp: 12422
Ion Ratio Lower Upper
84 100
49 144.2 109.4 164.0
51 43.3 33.6 50.4
86 69.8 51.4 77.2

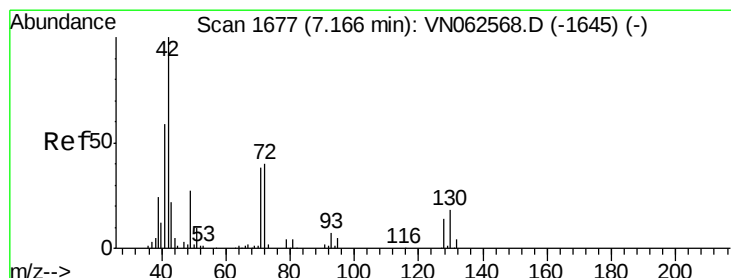
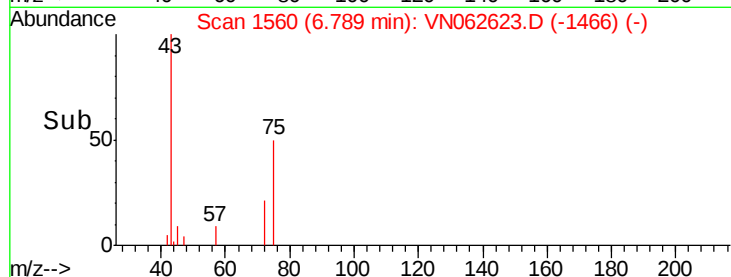
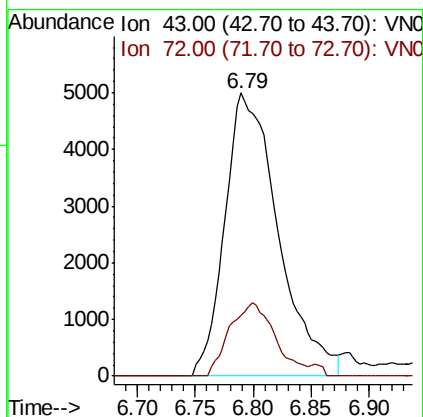
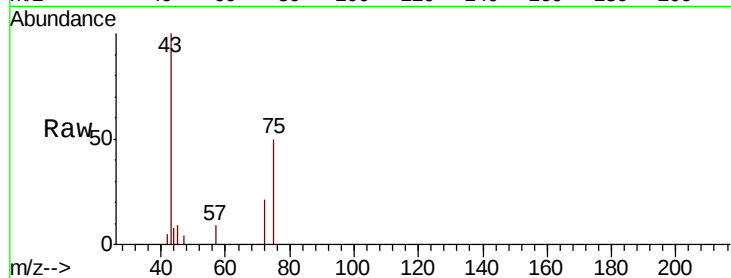




#25
2-Butanone
Concen: 11.673 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

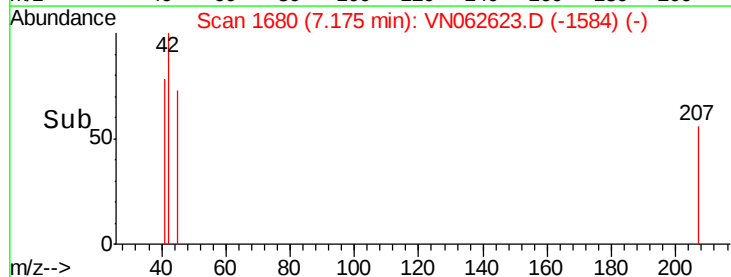
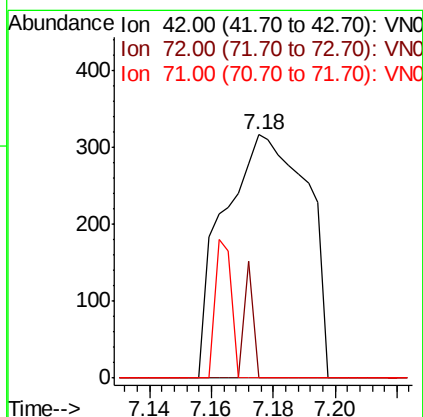
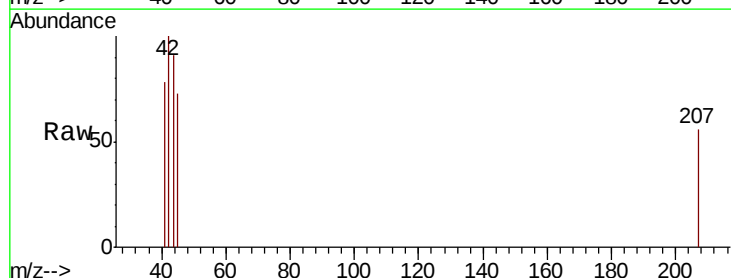
Instrument :
MSVOA_N
ClientSampleId :
20200444-3002D

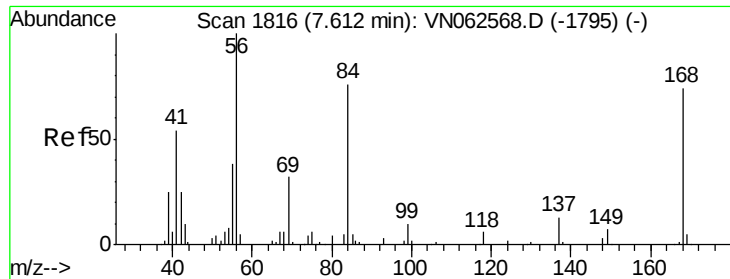
Tot Ion: 43 Resp: 16004
Ion Ratio Lower Upper
43 100
72 21.2 19.0 28.6



#29
Tetrahydrofuran
Concen: 0.640 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Tgt Ion: 42 Resp: 594
Ion Ratio Lower Upper
42 100
72 4.9 30.7 46.1#
71 11.3 29.1 43.7#

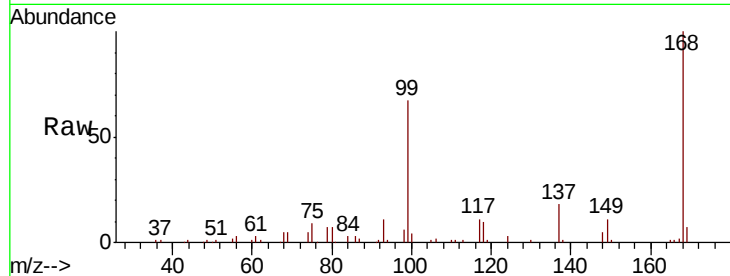




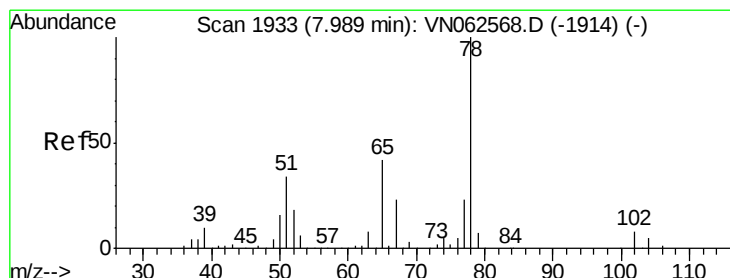
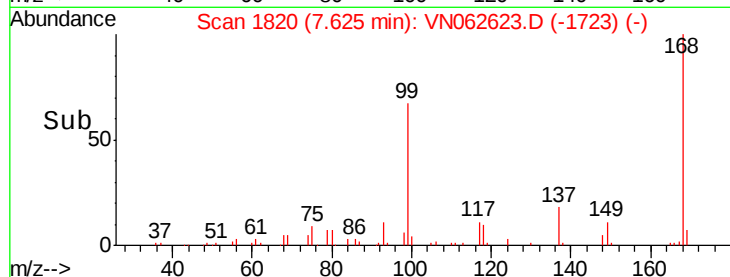
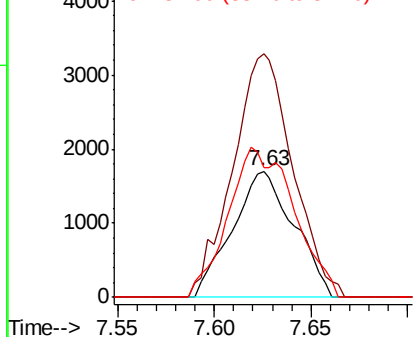
#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Instrument :
MSVOA_N
ClientSampleId :
20200444-3002D

Tot Ion: 56 Resp: 3770
Ion Ratio Lower Upper
56 100
69 192.6 25.3 37.9#
84 103.0 61.0 91.4#

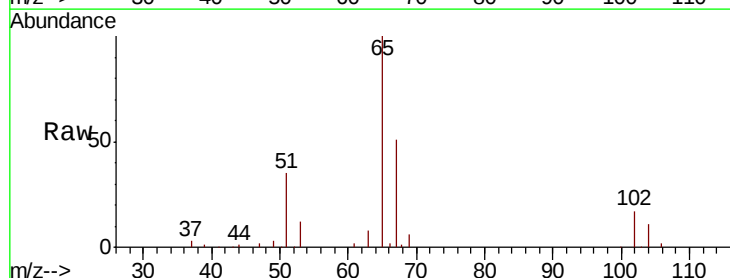


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

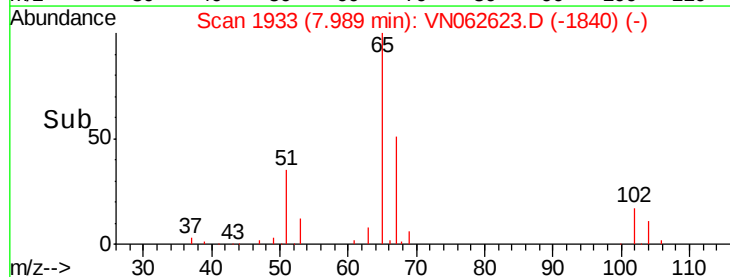
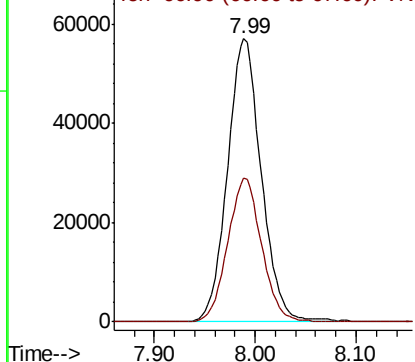


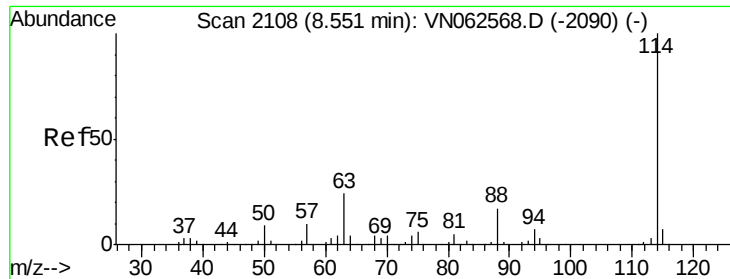
#33
1,2-Dichloroethane-d4
Concen: 55.648 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Tgt Ion: 65 Resp: 133126
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.0



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

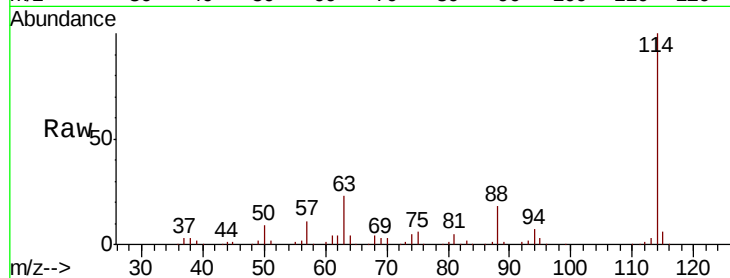




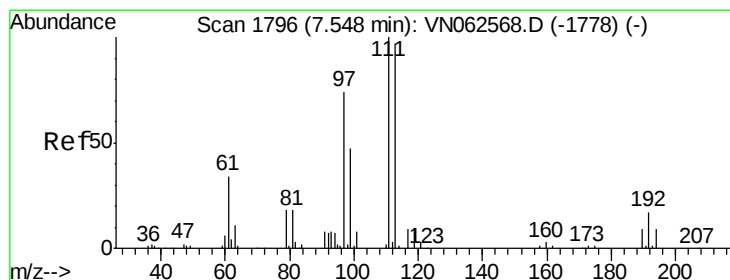
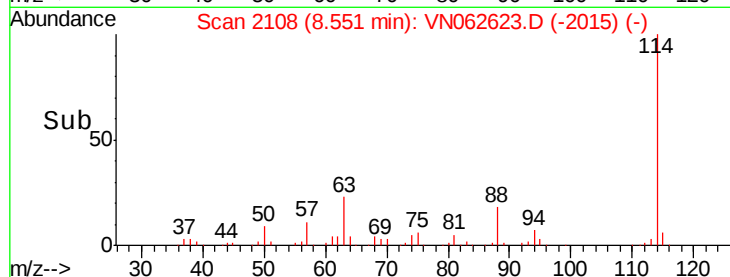
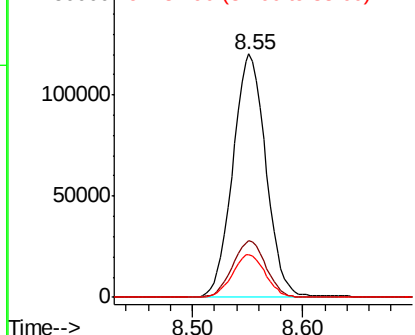
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Instrument :
MSVOA_N
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Tot Ion:114 Resp: 250227
Ion Ratio Lower Upper
114 100
63 23.2 0.0 48.4
88 17.8 0.0 33.8

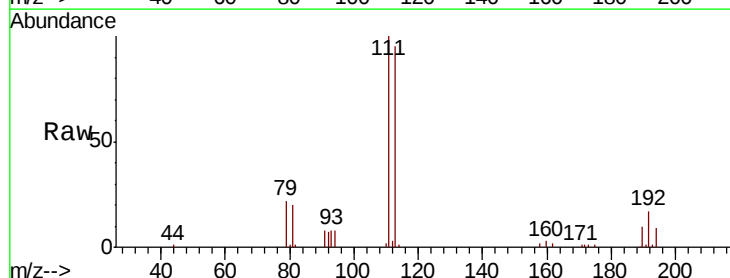


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

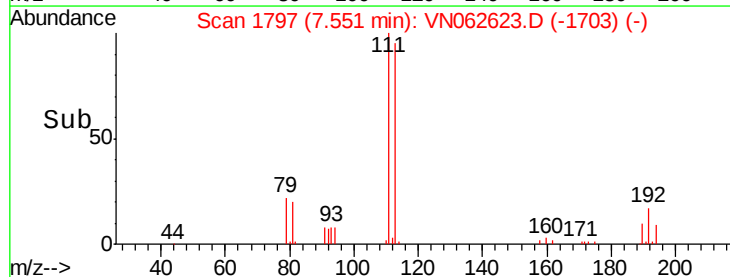
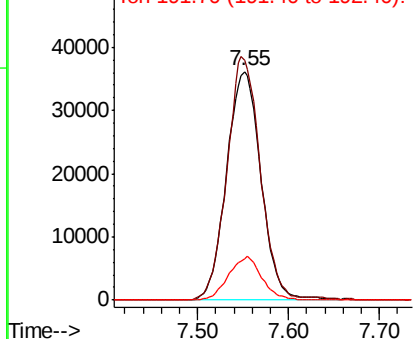


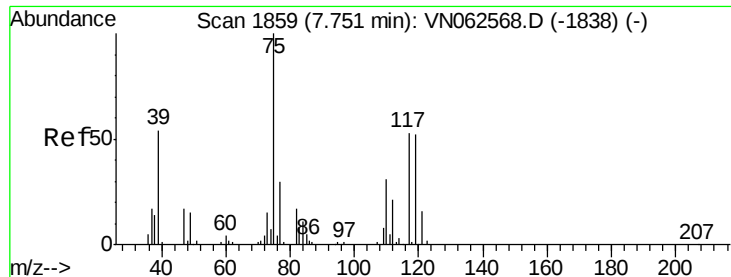
#35
Dibromofluoromethane
Concen: 57.935 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Tgt Ion:113 Resp: 95224
Ion Ratio Lower Upper
113 100
111 102.7 82.7 124.1
192 18.3 14.8 22.2



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

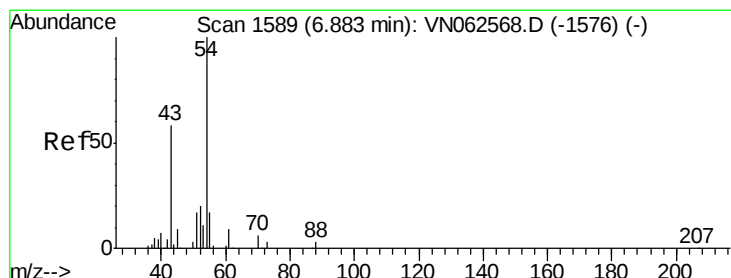
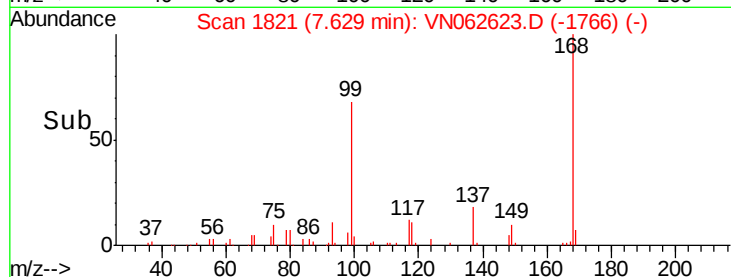
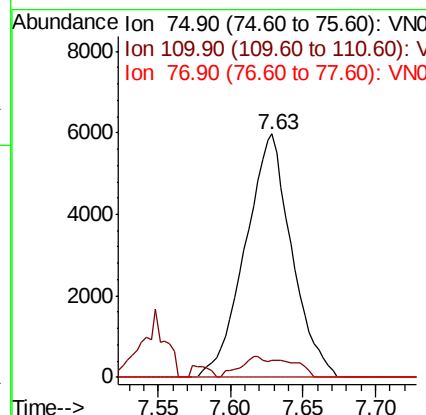
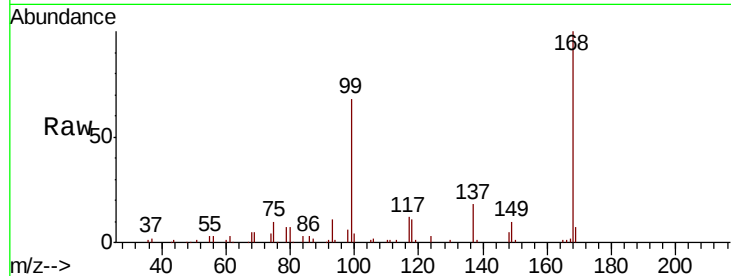




#36
 1,1-Dichloropropene
 Concen: 4.987 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062623.D
 Acq: 28 Jul 2020 00:59

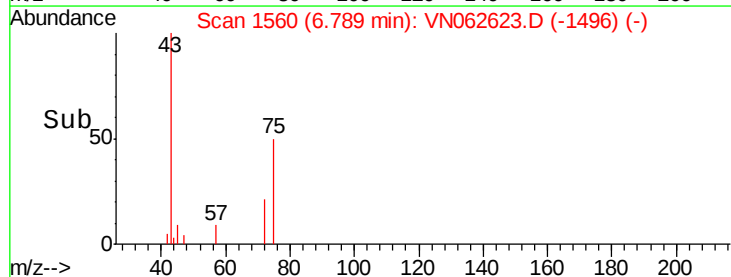
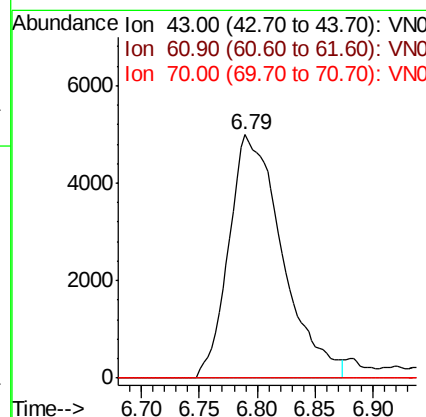
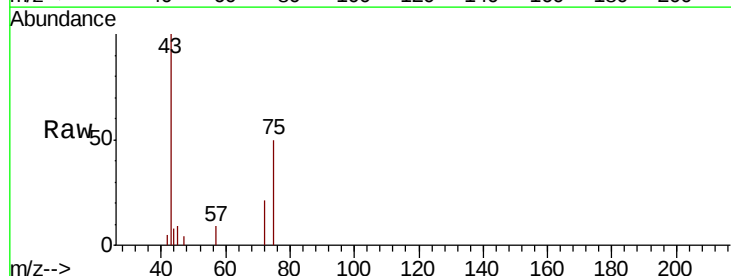
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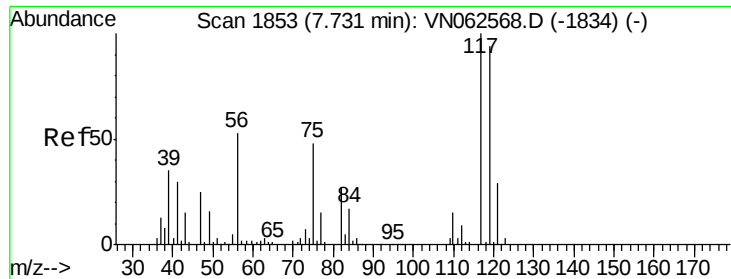
Tot Ion	75	Resp	13302
Ion Ratio	100	Lower	Upper
75	100		
110	4.8	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 5.567 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.09 min
 Lab File: VN062623.D
 Acq: 28 Jul 2020 00:59

Tgt Ion	43	Resp	16004
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 6.567 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

Instrument :

MSVOA_N

ClientSampleId :

20200444-3002D

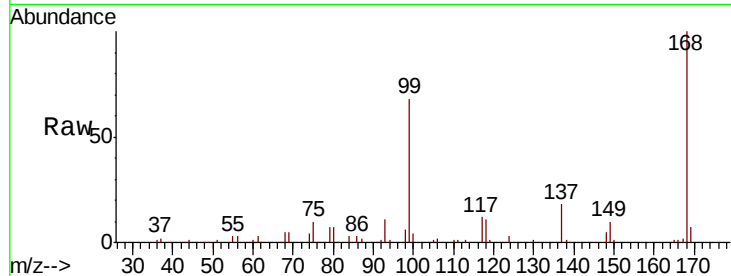
Tot Ion:117 Resp: 16837

Ion Ratio Lower Upper

117 100

119 6.3 74.8 112.2#

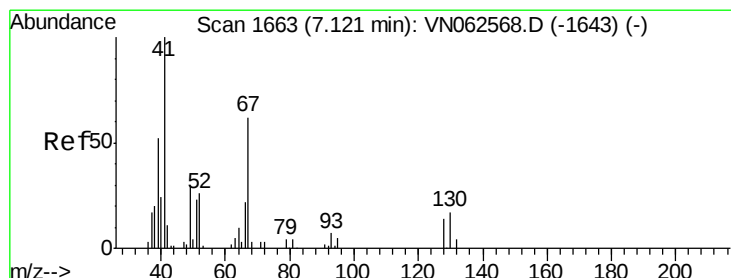
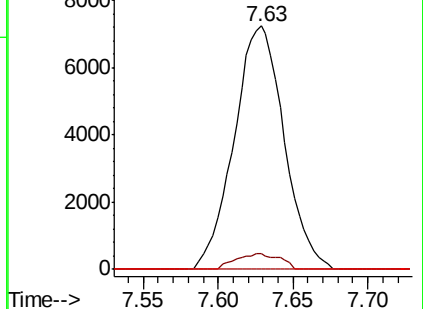
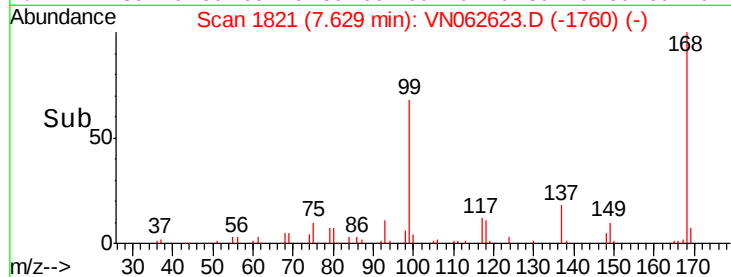
121 0.0 23.0 34.6#



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



#41

Methacrylonitrile

Concen: 0.246 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.05 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

Tgt Ion: 41 Resp: 303

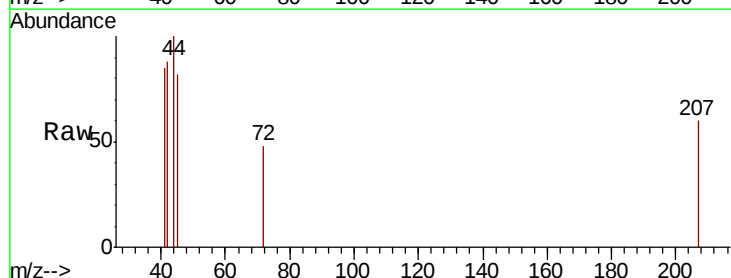
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 72.5 108.7#

52 0.0 31.8 47.8#

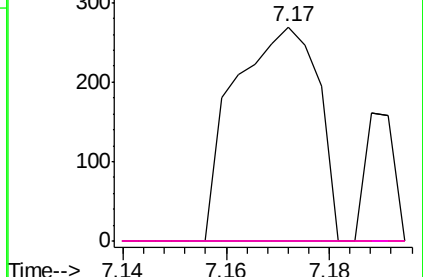
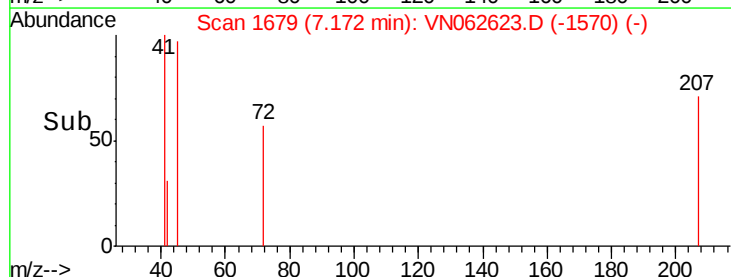


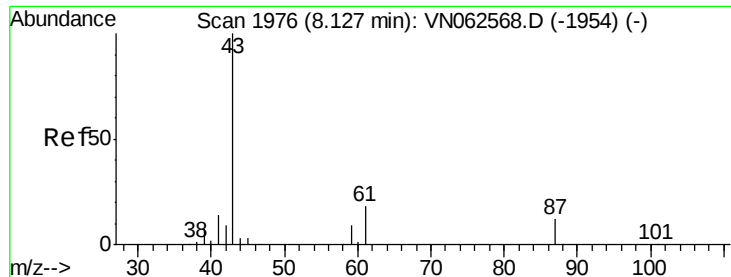
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 9.173 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

Instrument :

MSVOA_N

ClientSampleId :

20200444-3002D

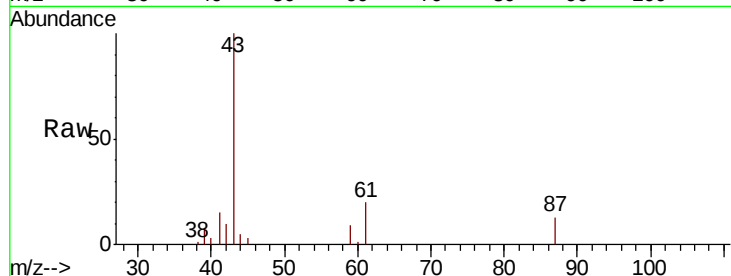
Tot Ion: 43 Resp: 42513

Ion Ratio Lower Upper

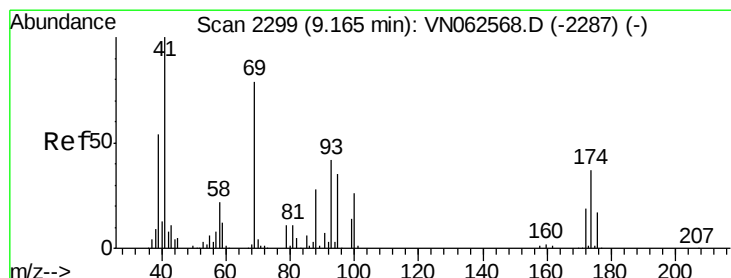
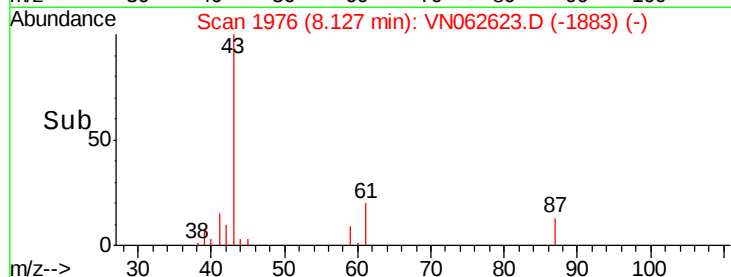
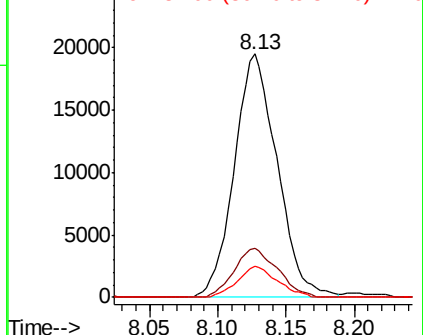
43 100

61 20.3 20.8 31.2#

87 11.8 9.2 13.8



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



#48

Methyl methacrylate

Concen: 1.033 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.02 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

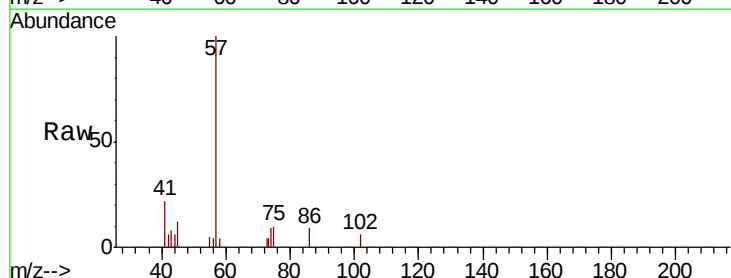
Tgt Ion: 41 Resp: 2277

Ion Ratio Lower Upper

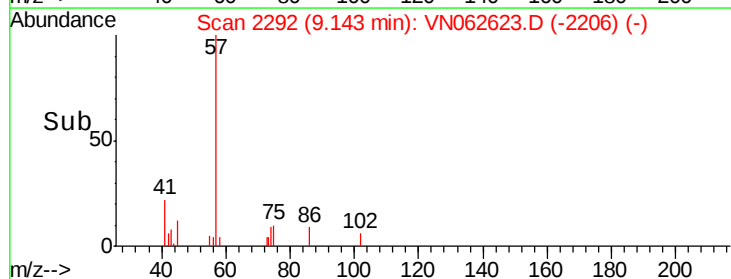
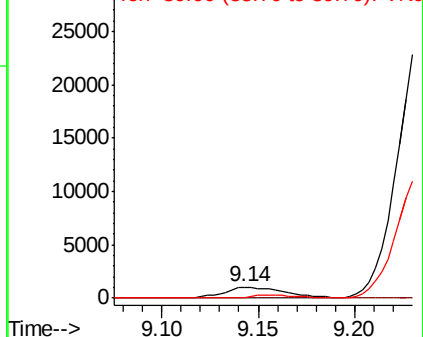
41 100

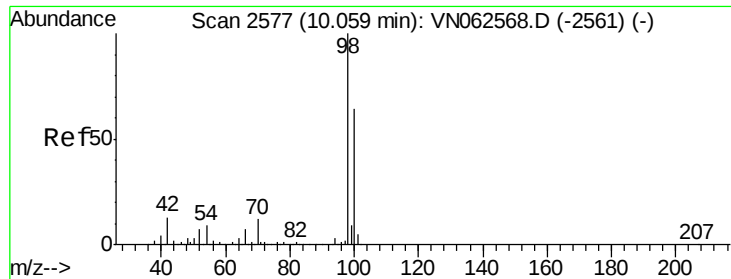
69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



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

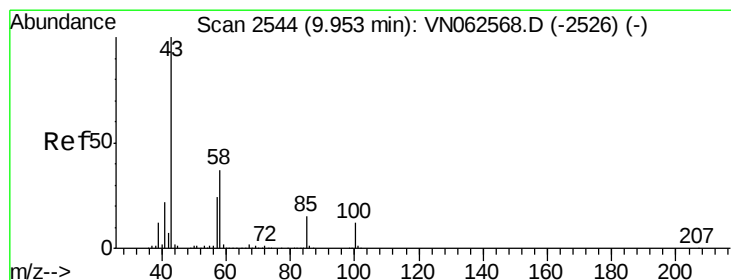
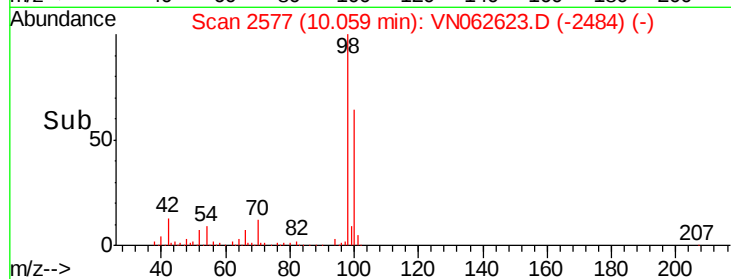
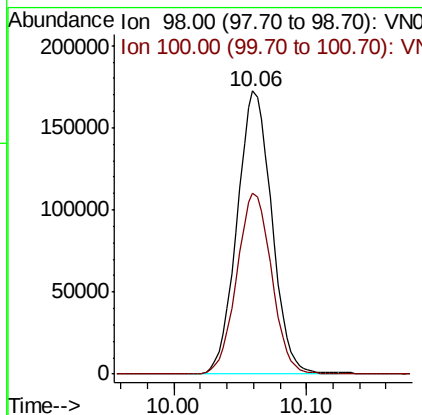
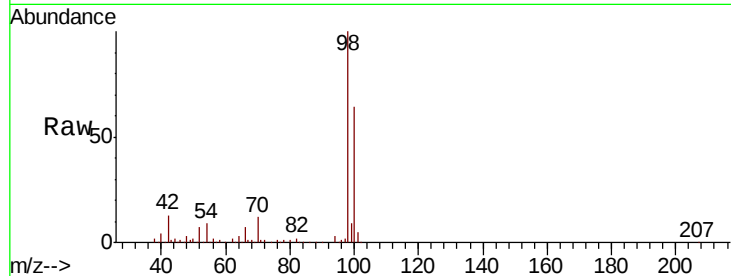




#50
Toluene-d8
Concen: 47.842 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

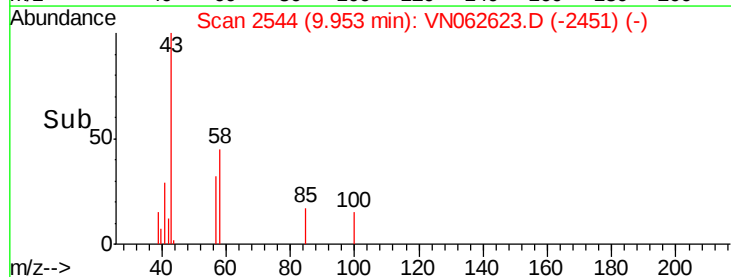
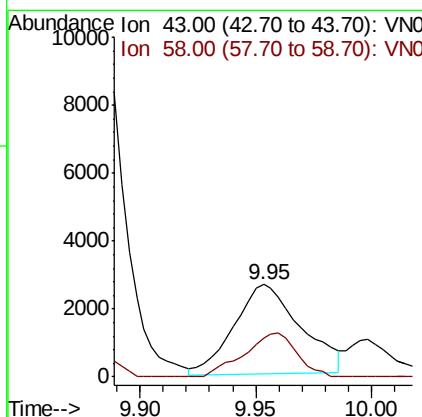
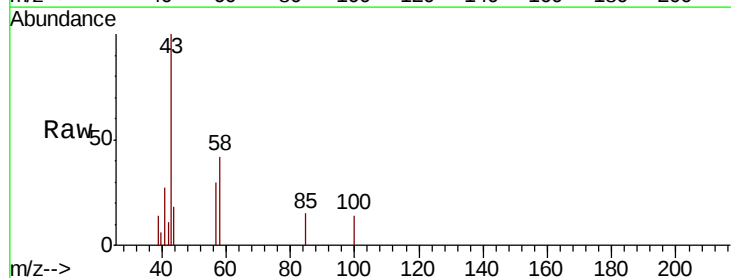
Instrument :
MSVOA_N
ClientSampleId :
20200444-3002D

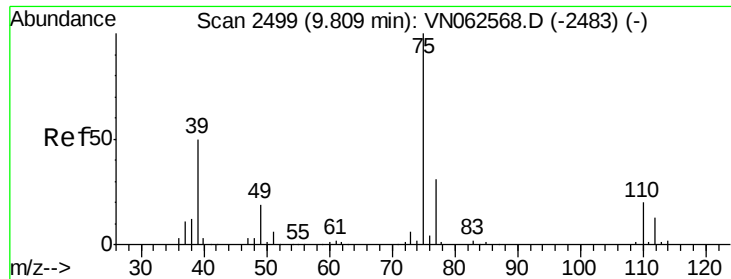
Tot Ion: 98 Resp: 313746
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.901 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Tgt Ion: 43 Resp: 5273
Ion Ratio Lower Upper
43 100
58 38.9 29.8 44.6





#54

cis-1,3-Dichloropropene

Concen: 3.997 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

Instrument :

MSVOA_N

ClientSampleId :

20200444-3002D

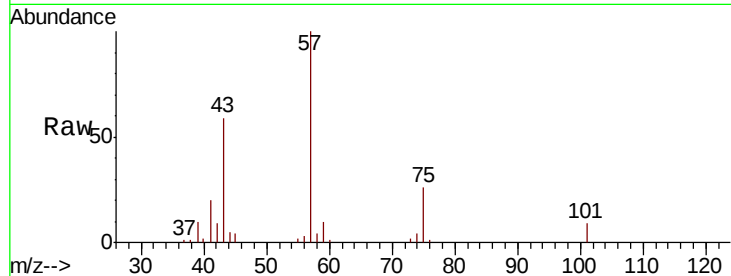
Tot Ion: 75 Resp: 13554

Ion Ratio Lower Upper

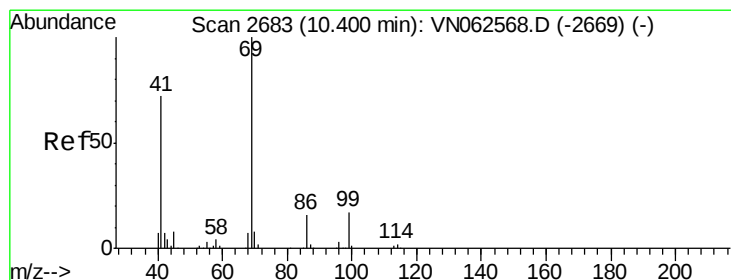
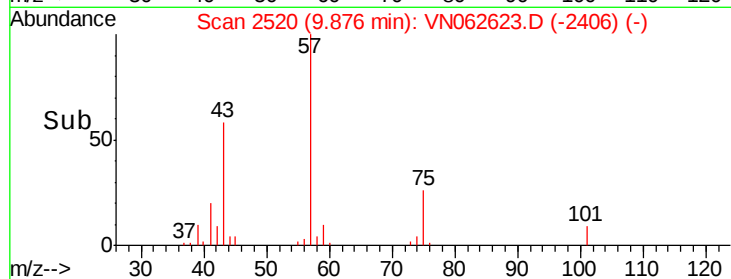
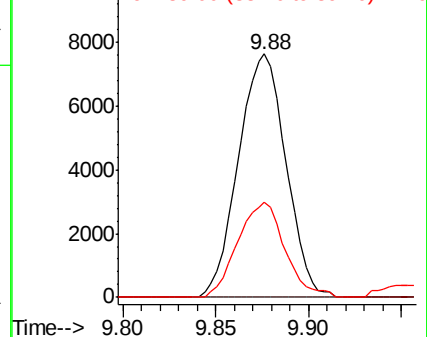
75 100

77 0.0 25.0 37.6#

39 39.3 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: 1.959 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

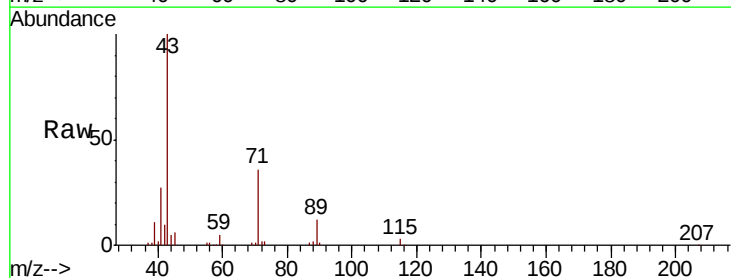
Tgt Ion: 69 Resp: 643

Ion Ratio Lower Upper

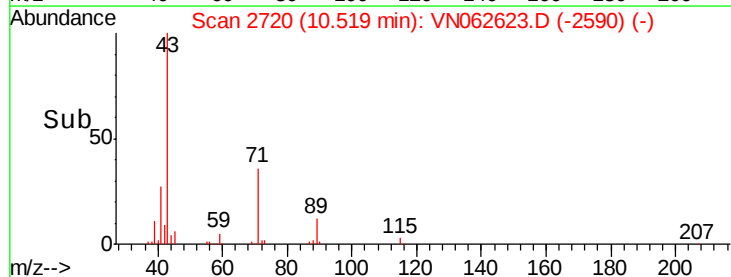
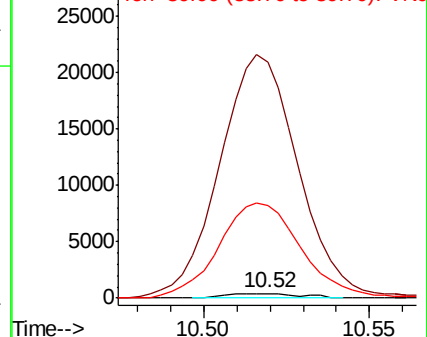
69 100

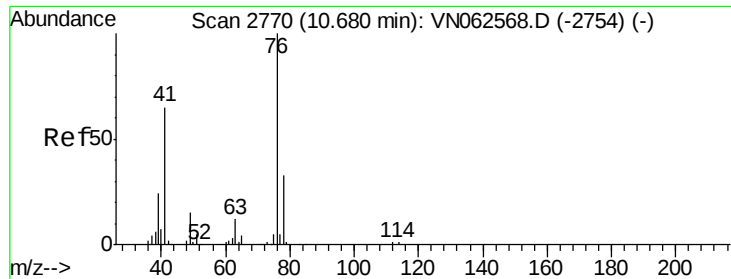
41 5579.5 57.2 85.8#

39 2263.1 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

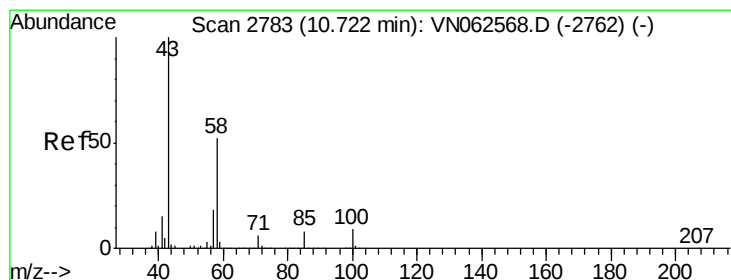
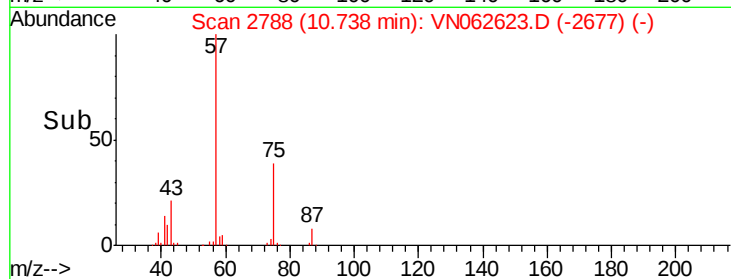
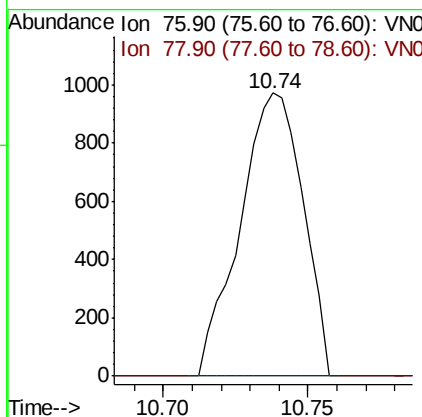
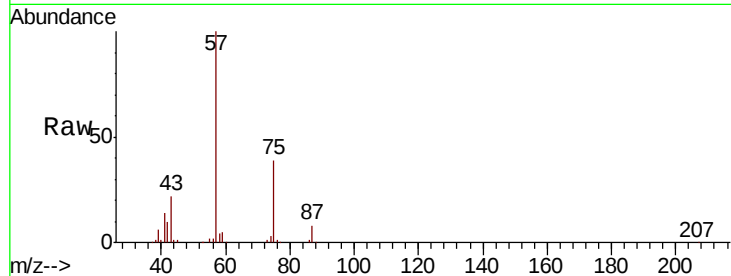




#57
 1,3-Dichloropropane
 Concen: 0.440 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062623.D
 Acq: 28 Jul 2020 00:59

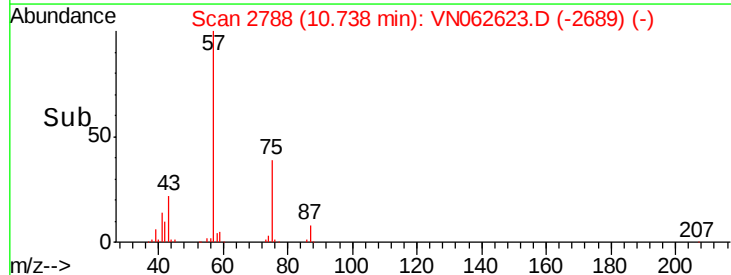
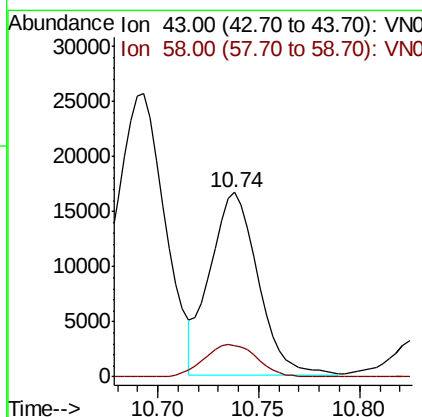
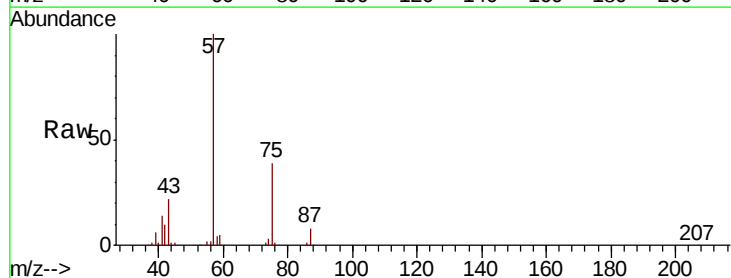
Instrument :
 MSVOA_N
 ClientSampleId :
 20200444-3002D

Tot Ion: 76 Resp: 1467
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 15.693 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062623.D
 Acq: 28 Jul 2020 00:59

Tgt Ion: 43 Resp: 27637
 Ion Ratio Lower Upper
 43 100
 58 19.4 26.0 78.0#

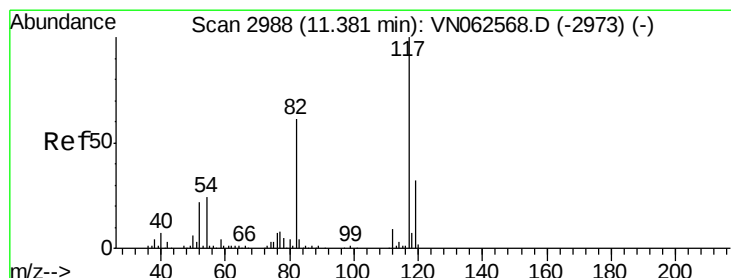
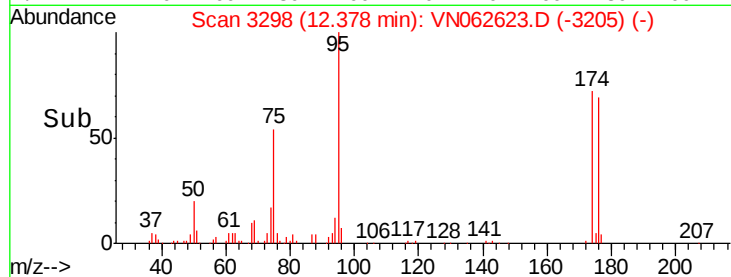
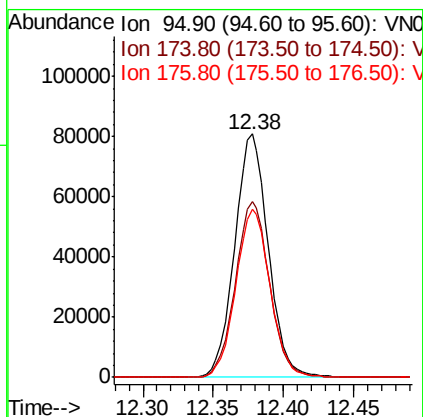
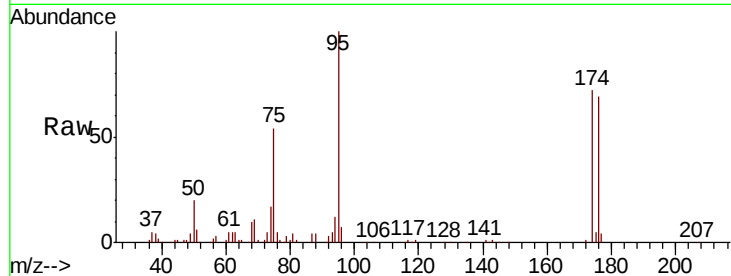




#62
4-Bromofluorobenzene
Concen: 56.269 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

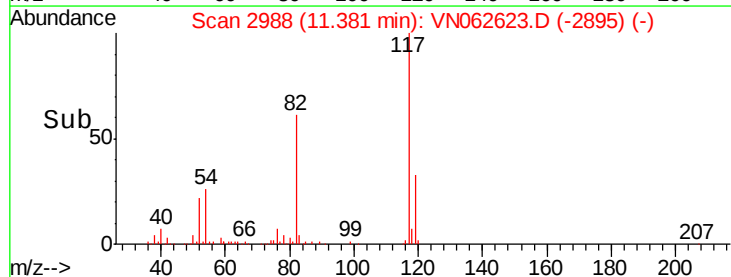
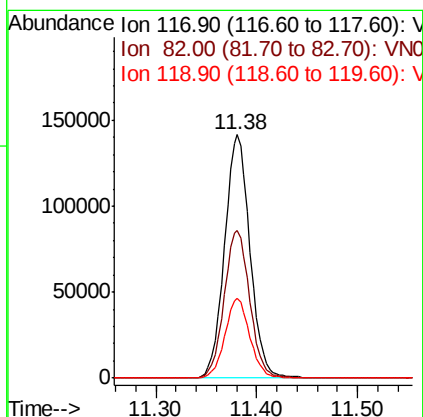
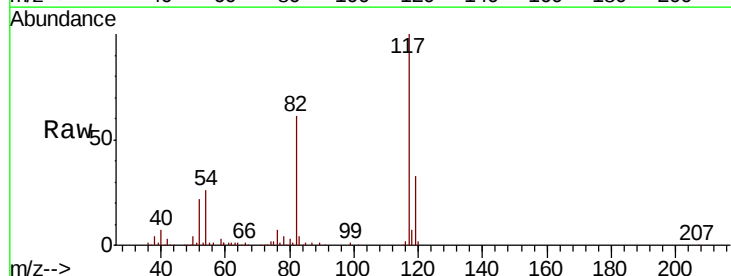
Instrument :
MSVOA_N
ClientSampleId :
20200444-3002D

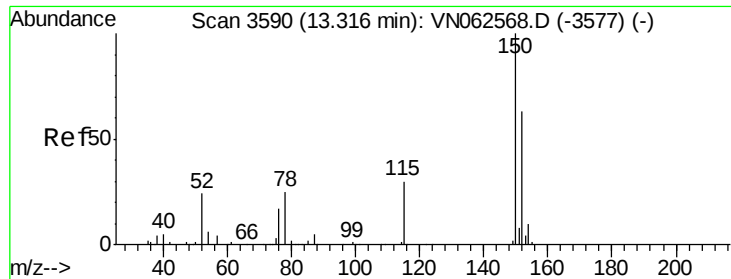
Tot Ion: 95 Resp: 134926
Ion Ratio Lower Upper
95 100
174 73.4 0.0 144.6
176 70.4 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062623.D
Acq: 28 Jul 2020 00:59

Tgt Ion: 117 Resp: 248779
Ion Ratio Lower Upper
117 100
82 60.6 49.0 73.6
119 32.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

Instrument :

MSVOA_N

ClientSampleId :

20200444-3002D

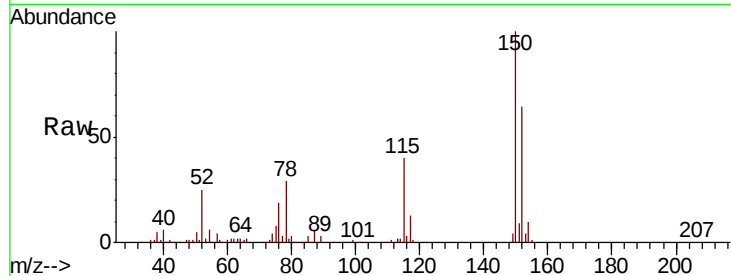
Tot Ion:152 Resp: 106928

Ion Ratio Lower Upper

152 100

115 62.6 31.8 95.4

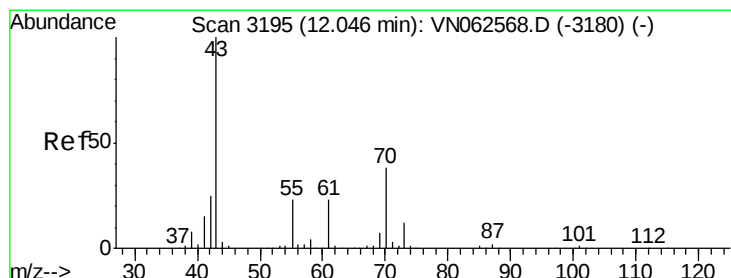
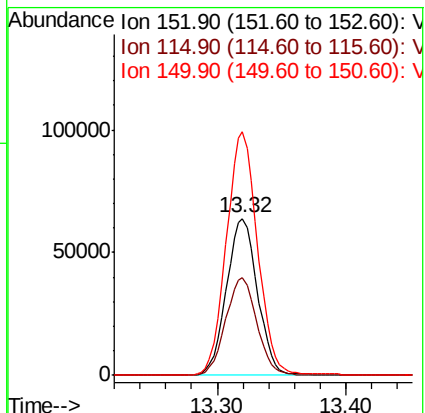
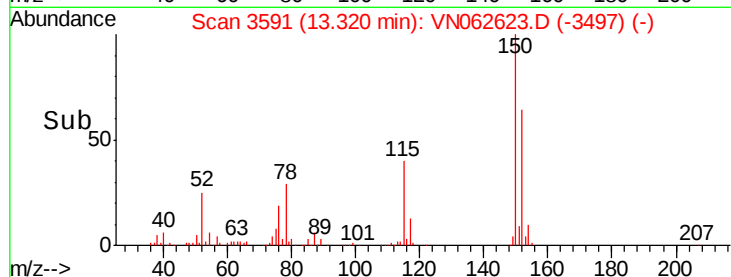
150 156.0 0.0 351.4



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: 0.366 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062623.D

Acq: 28 Jul 2020 00:59

Tgt Ion: 43 Resp: 1383

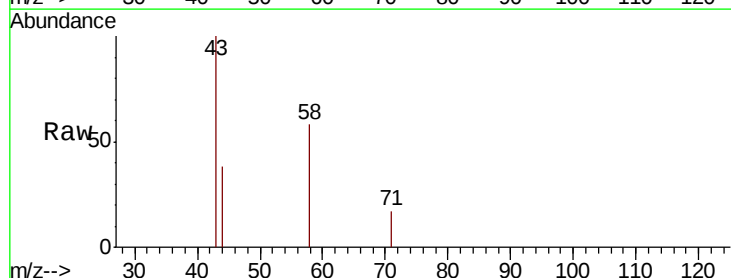
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

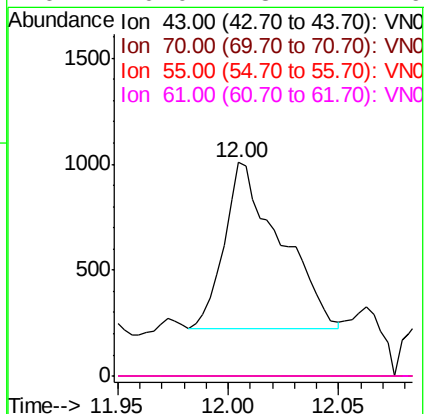
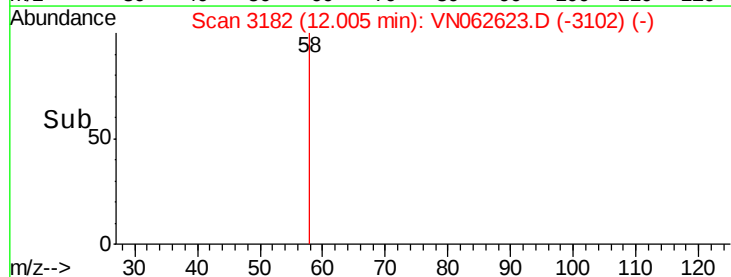


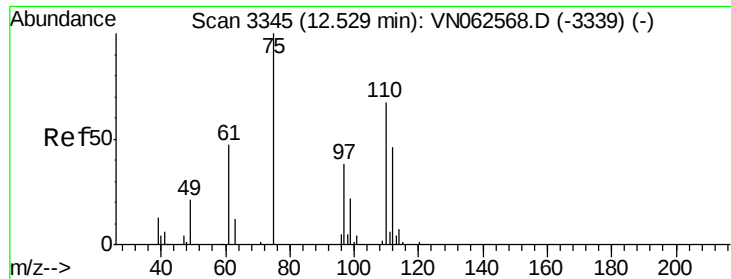
Abundance Ion 43.00 (42.70 to 43.70): VNO

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

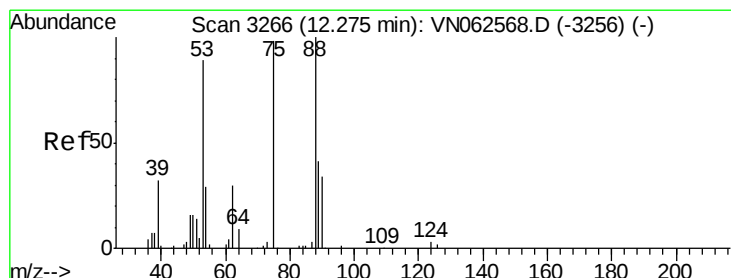
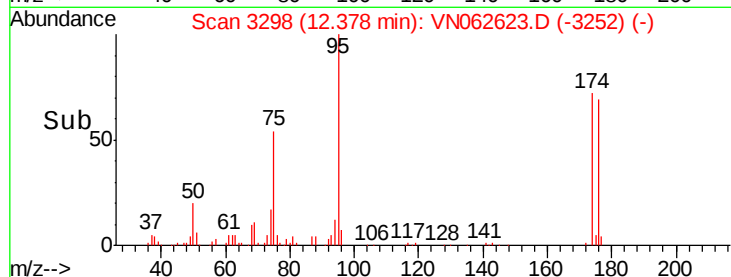
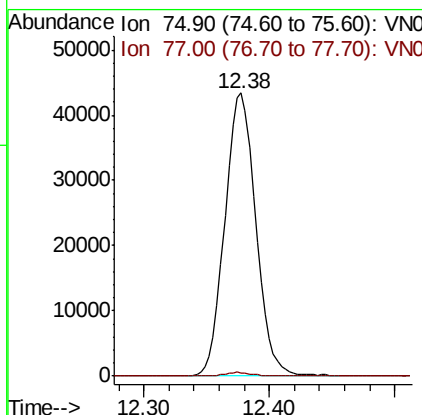
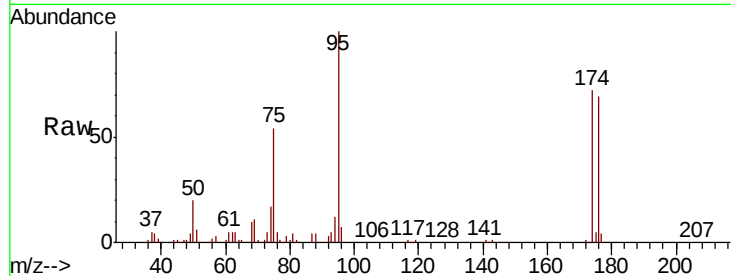




#76
 1,2,3-Trichloropropane
 Concen: 27.338 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062623.D
 Acq: 28 Jul 2020 00:59

Instrument :
 MSVOA_N
 ClientSampleId :
 20200444-3002D

Tot Ion: 75 Resp: 74405
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.102 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062623.D
 Acq: 28 Jul 2020 00:59

Tgt Ion: 75 Resp: 74405
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

