

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062620.D
 Acq On : 27 Jul 2020 23:49
 Operator : JC/MD
 Sample : L3439-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20200441-3002A

Quant Time: Jul 28 06:28:31 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	144227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	257538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	261214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111026	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	121189	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
35) Dibromofluoromethane	7.55	113	85774	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.06	98	331913	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.38	95	130684	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	

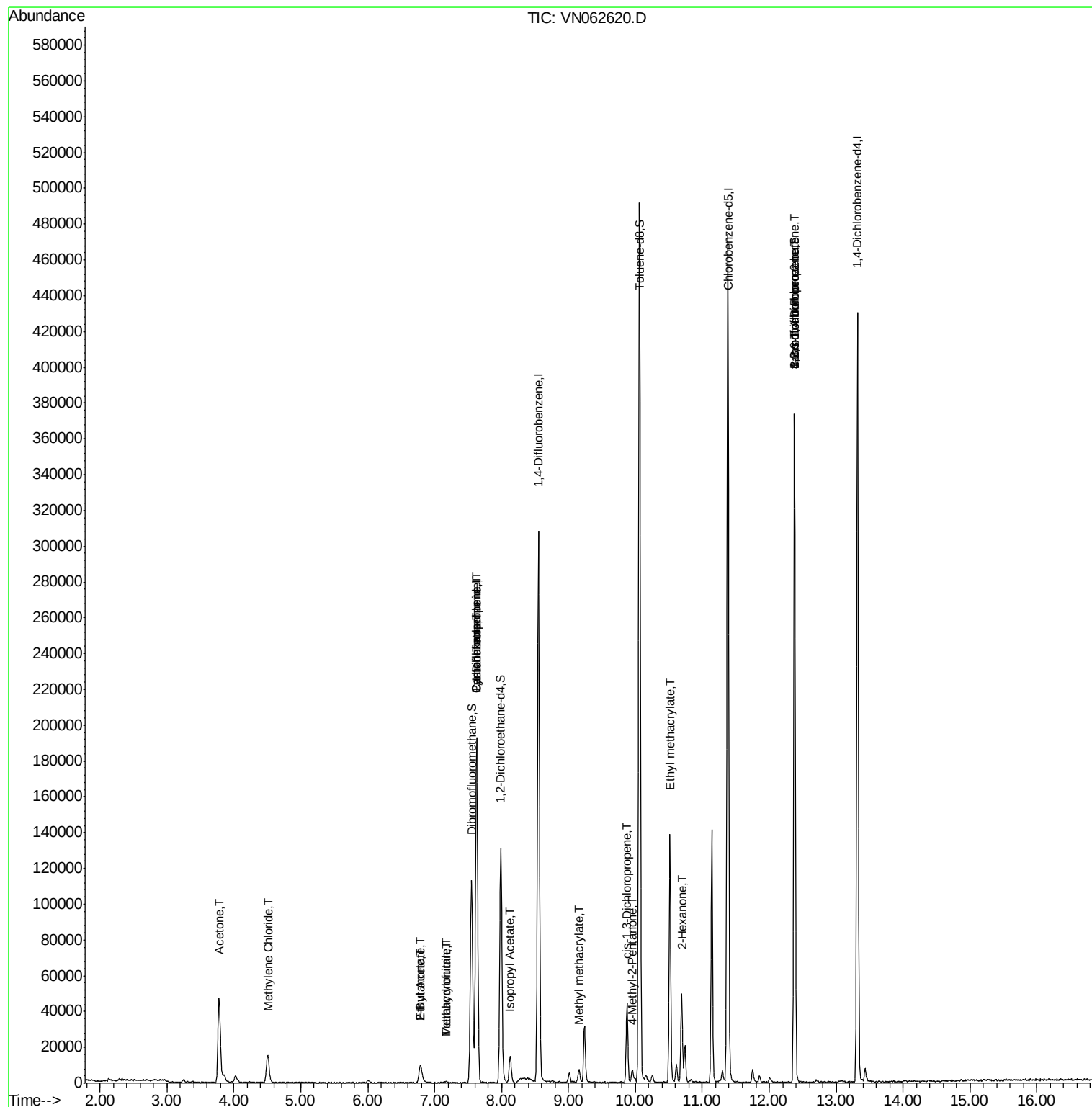
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	80610	95.610	ug/l	99
20) Methylene Chloride	4.51	84	11218	5.548	ug/l	96
25) 2-Butanone	6.80	43	15890	12.375	ug/l	98
29) Tetrahydrofuran	7.17	42	306	0.352	ug/l #	64
31) Cyclohexane	7.63	56	3543	1.073	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	12697	4.625	ug/l #	51
37) Ethyl Acetate	6.80	43	15890	5.370	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15306	5.801	ug/l #	17
41) Methacrylonitrile	7.18	41	307	0.242	ug/l #	18
43) Isopropyl Acetate	8.13	43	17903	3.753	ug/l #	89
48) Methyl methacrylate	9.15	41	2197	0.969	ug/l #	24
51) 4-Methyl-2-Pentanone	9.95	43	5264	1.844	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	7043	2.018	ug/l #	64
56) Ethyl methacrylate	10.52	69	633	1.951	ug/l #	1
59) 2-Hexanone	10.69	43	39779	20.767	ug/l #	26
71) Bromoform	12.38	173	449	0.290	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	71538	25.314	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71538	70.469	ug/l #	12

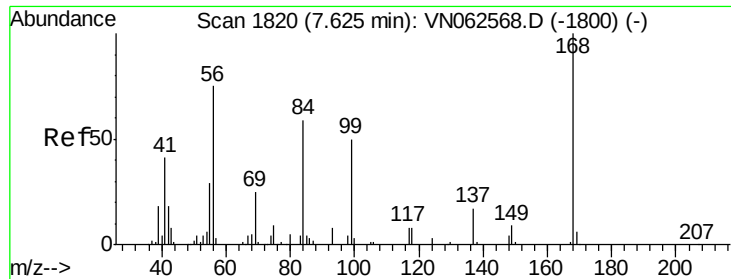
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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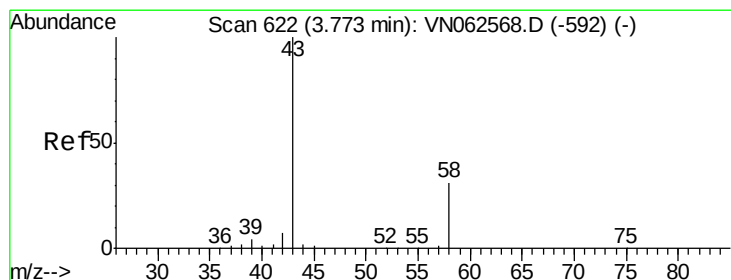
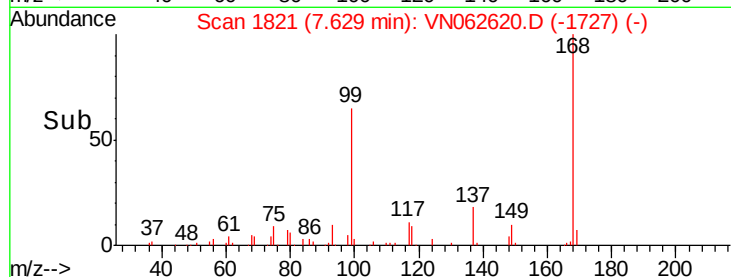
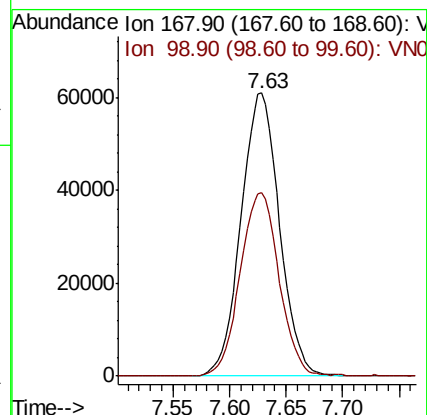
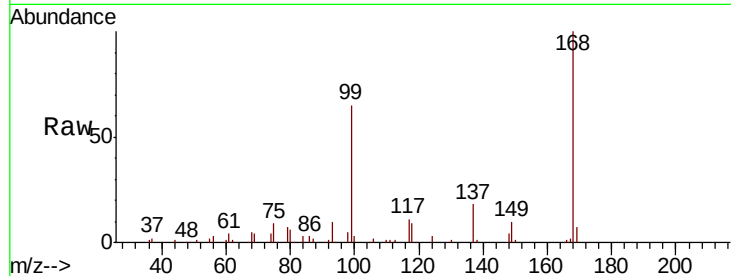




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

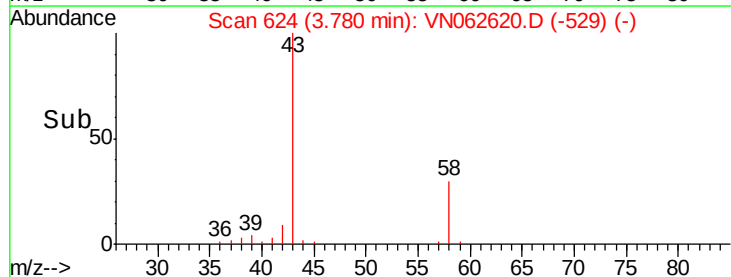
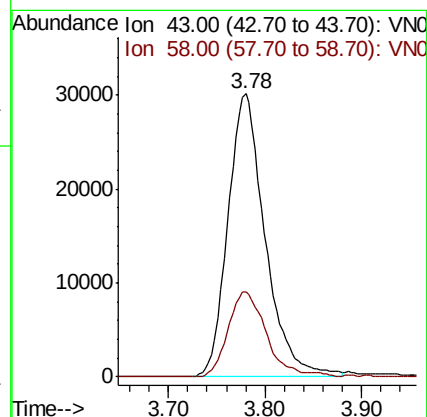
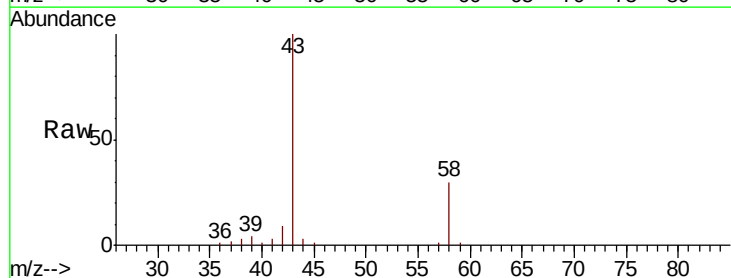
Instrument :
MSVOA_N
ClientSampleId :
20200441-3002A

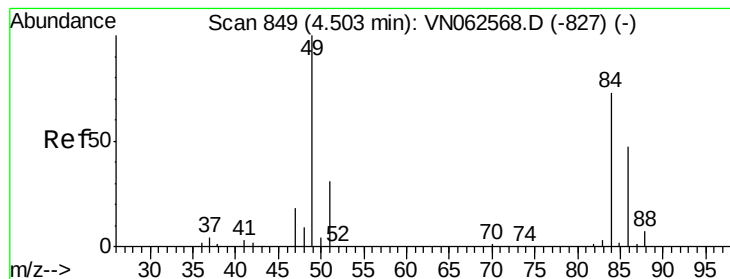
Tot Ion:168 Resp: 144227
Ion Ratio Lower Upper
168 100
99 64.8 48.4 72.6



#16
Acetone
Concen: 95.610 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

Tgt Ion: 43 Resp: 80610
Ion Ratio Lower Upper
43 100
58 30.1 24.6 37.0





#20

Methvlene Chloride

Concen: 5.548 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

Instrument :

MSVOA_N

ClientSampleId :

20200441-3002A

Tot Ion: 84 Resp: 11218

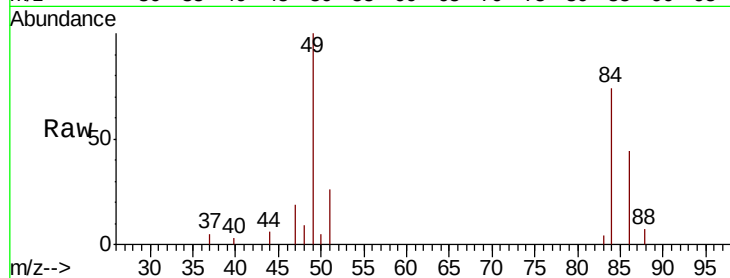
Ion Ratio Lower Upper

84 100

49 134.8 109.4 164.0

51 35.2 33.6 50.4

86 59.2 51.4 77.2

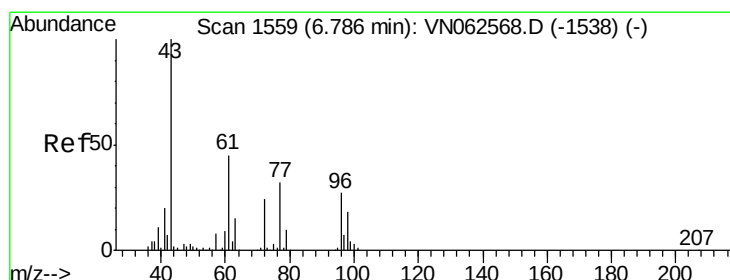
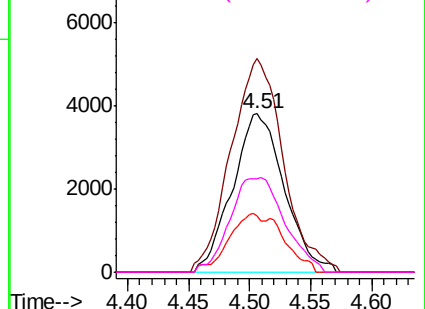
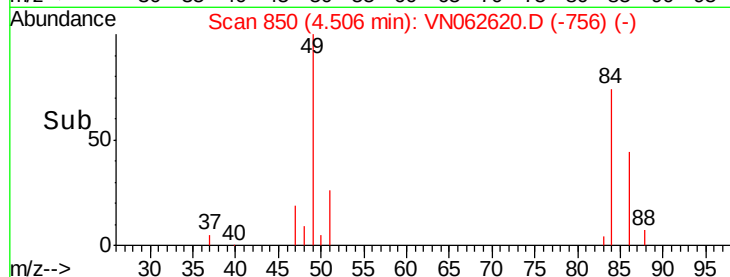


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 12.375 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062620.D

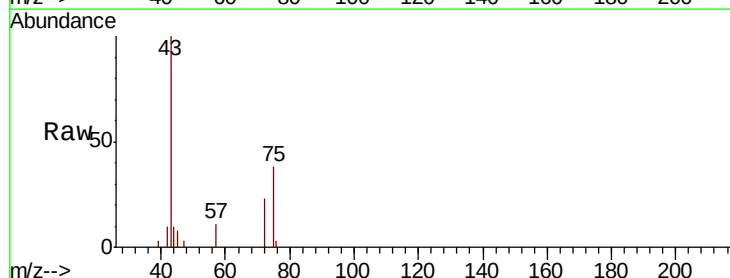
Acq: 27 Jul 2020 23:49

Tgt Ion: 43 Resp: 15890

Ion Ratio Lower Upper

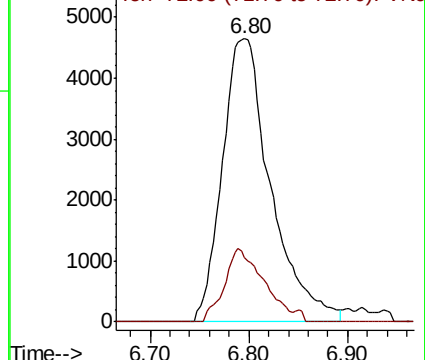
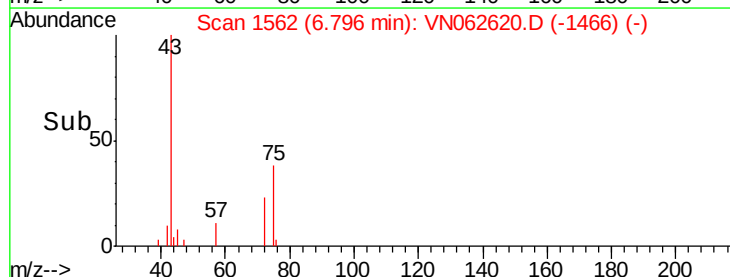
43 100

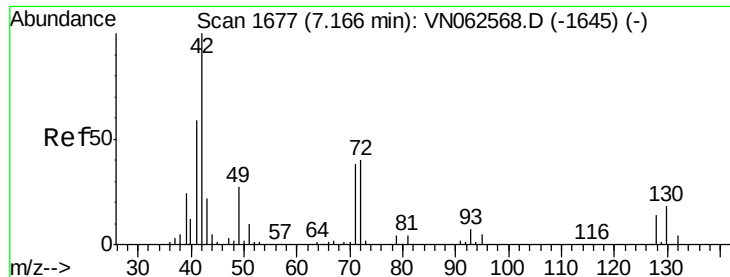
72 22.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.352 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

Instrument :

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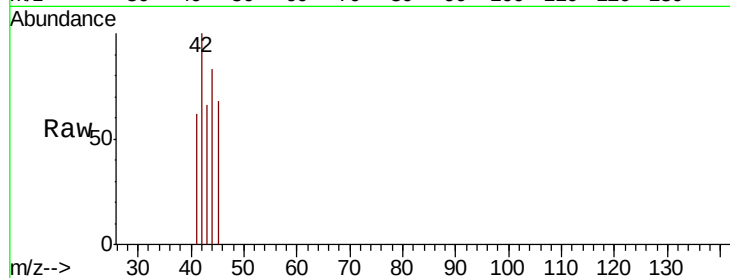
Tot Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

72 30.7 30.7 46.1#

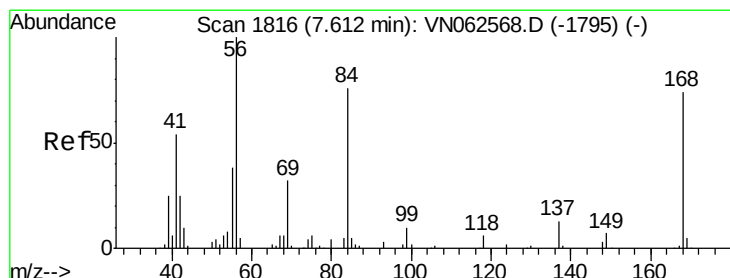
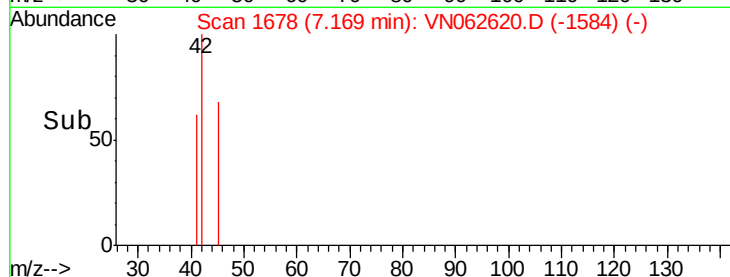
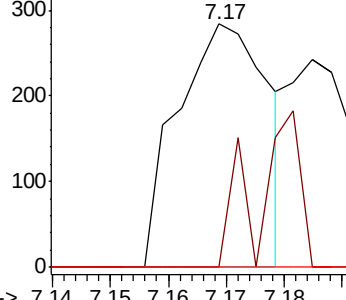
71 0.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

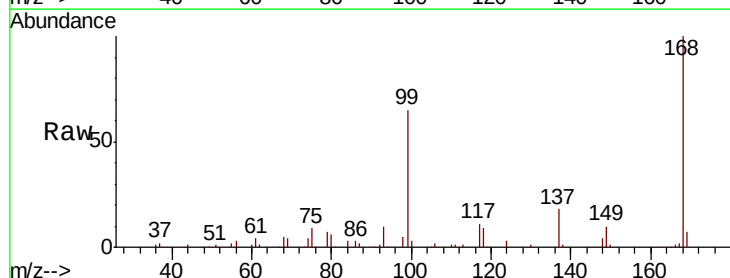
Tgt Ion: 56 Resp: 3543

Ion Ratio Lower Upper

56 100

69 157.8 25.3 37.9#

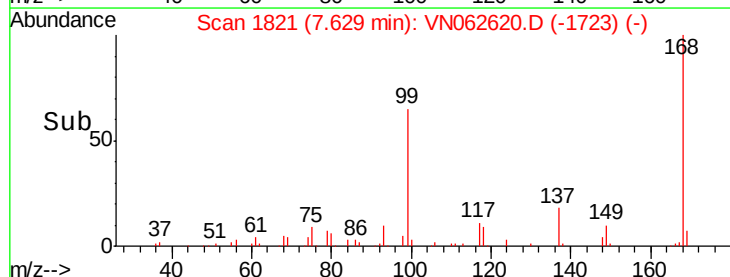
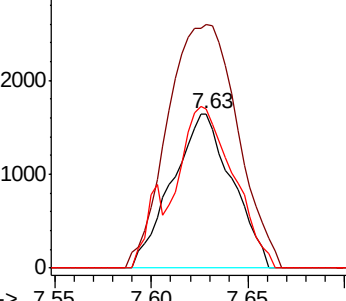
84 102.7 61.0 91.4#

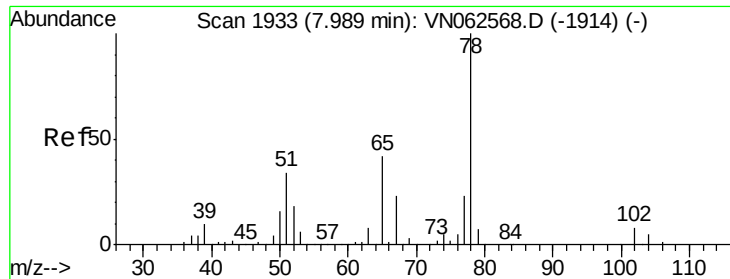


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

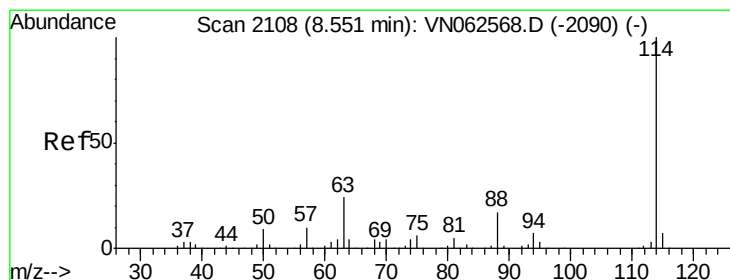
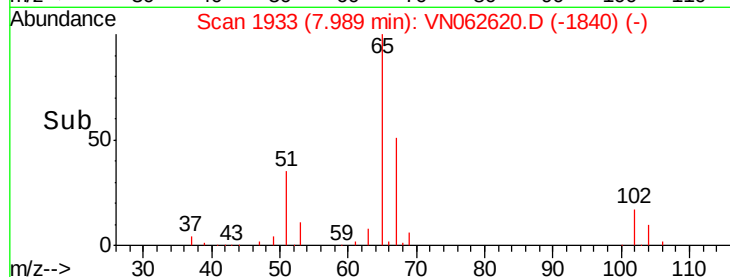
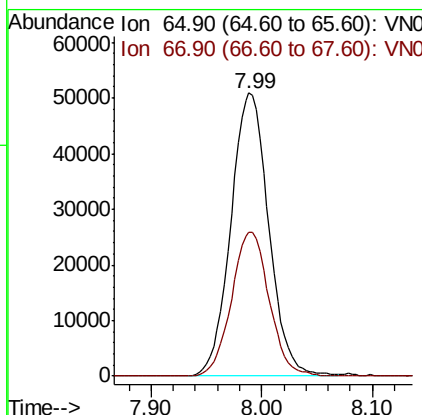
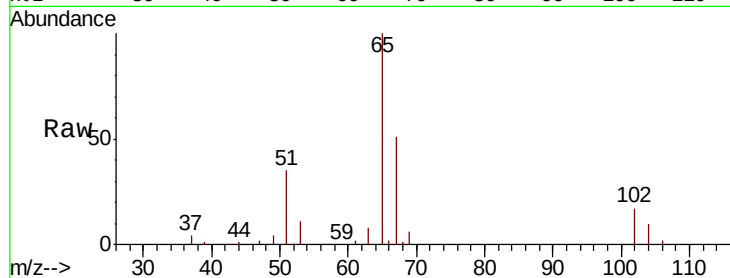




#33
 1,2-Dichloroethane-d4
 Concen: 54.090 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062620.D
 Acq: 27 Jul 2020 23:49

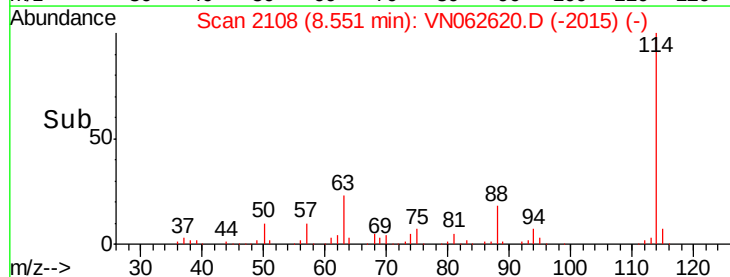
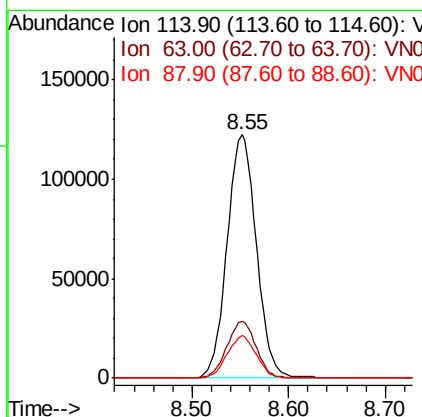
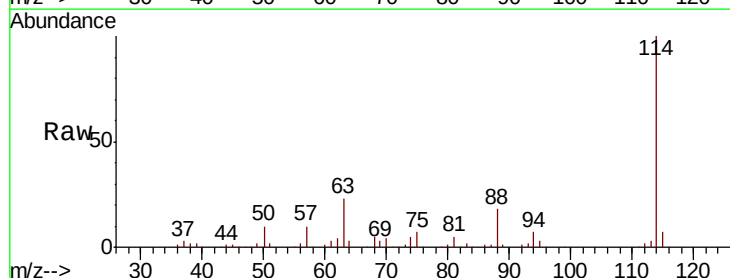
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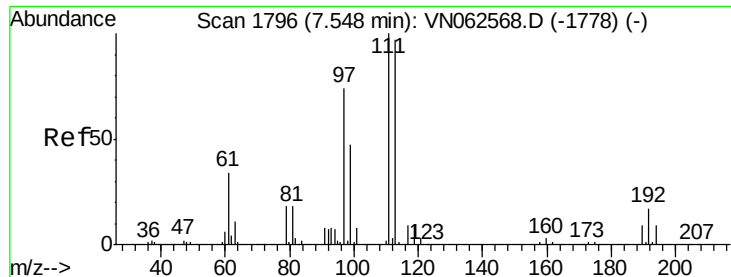
Tot Ion: 65 Resp: 121189
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062620.D
 Acq: 27 Jul 2020 23:49

Tgt Ion: 114 Resp: 257538
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.4
 88 17.6 0.0 33.8

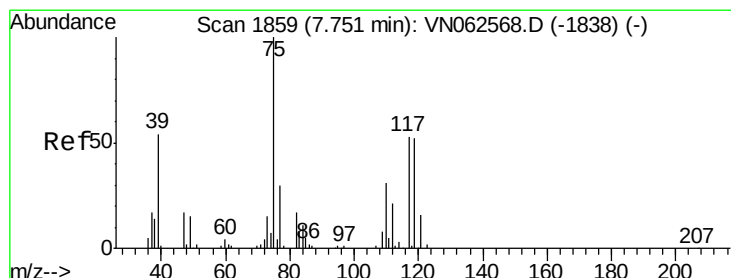
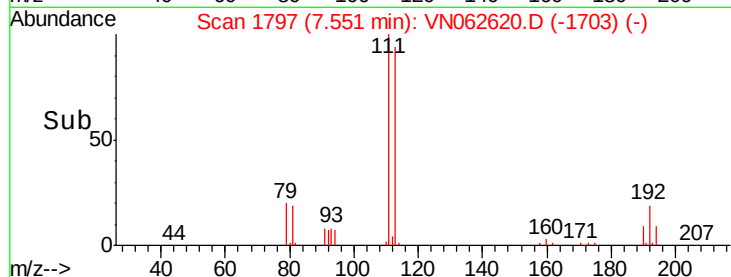
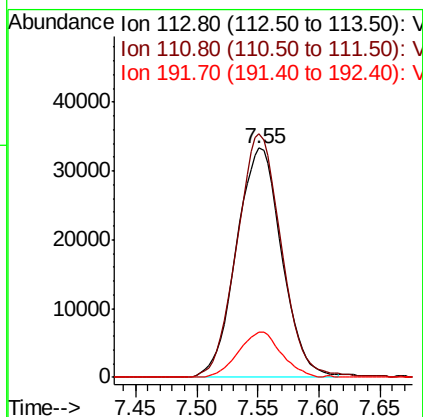
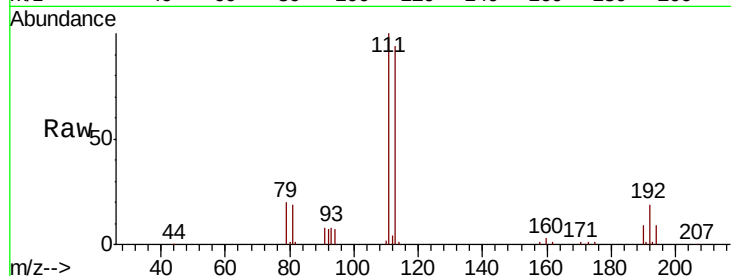




#35
 Dibromofluoromethane
 Concen: 50.704 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062620.D
 Acq: 27 Jul 2020 23:49

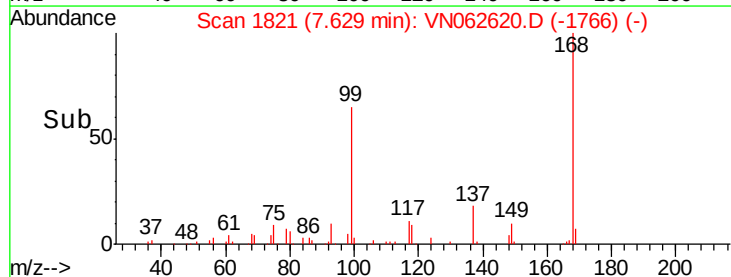
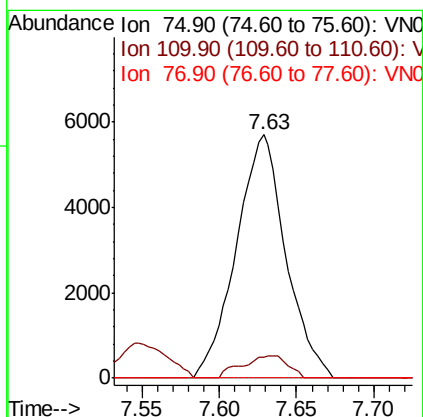
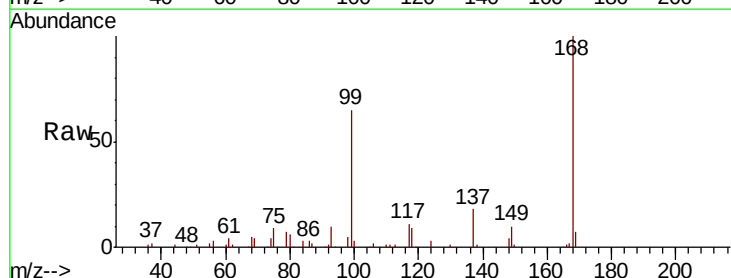
Instrument :
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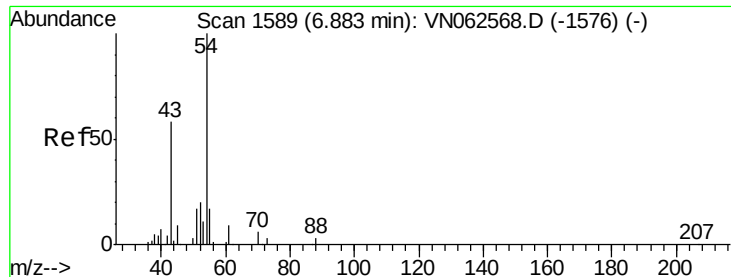
Tot Ion:113 Resp: 85774
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.7 124.1
 192 18.7 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.625 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062620.D
 Acq: 27 Jul 2020 23:49

Tgt Ion: 75 Resp: 12697
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.0 48.0#
 77 0.0 24.6 36.8#

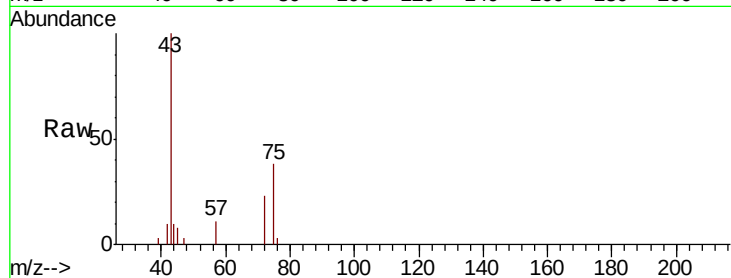




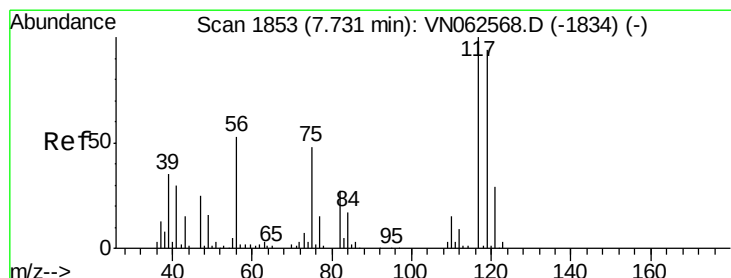
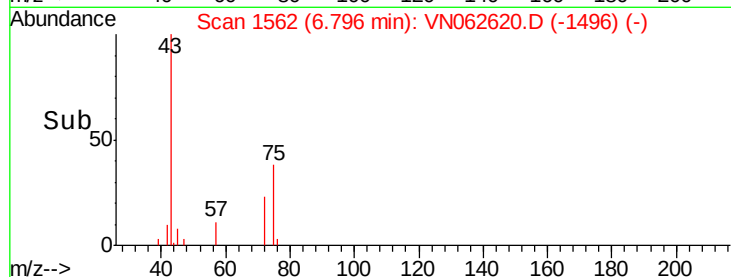
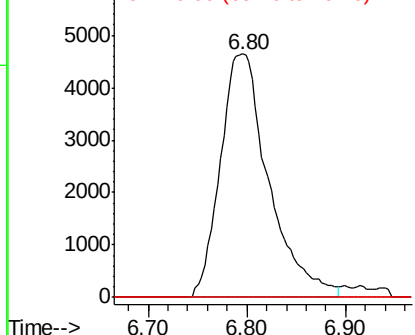
#37
Ethyl Acetate
Concen: 5.370 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.09 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

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Tot Ion: 43 Resp: 15890
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 7.7 11.5#

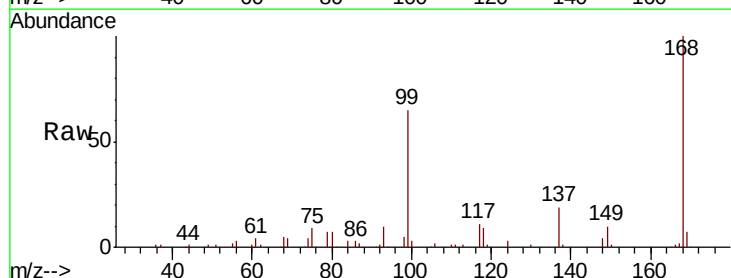


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

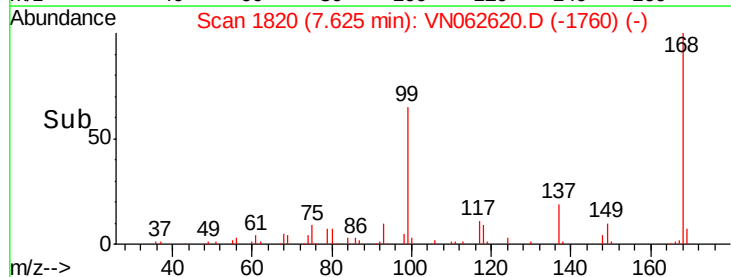
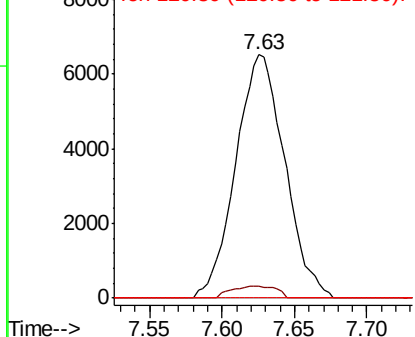


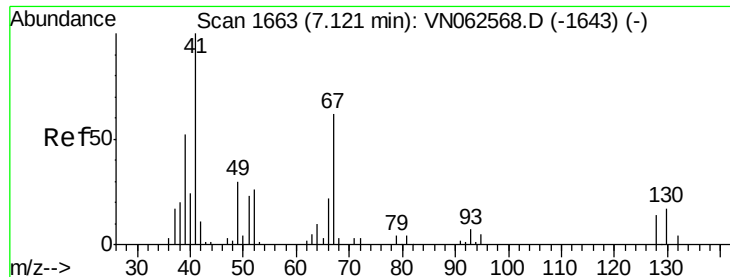
#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

Tgt Ion: 117 Resp: 15306
Ion Ratio Lower Upper
117 100
119 4.8 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

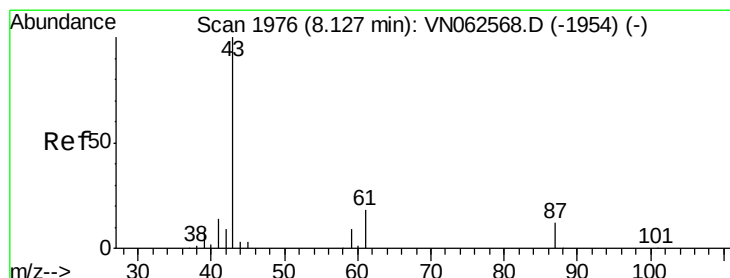
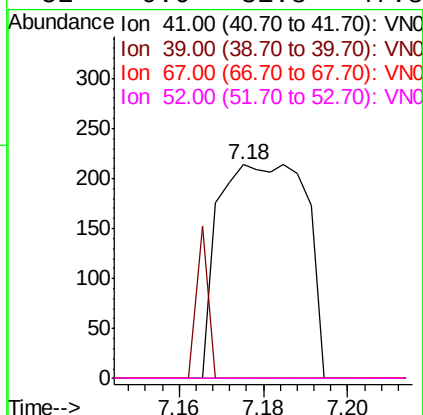
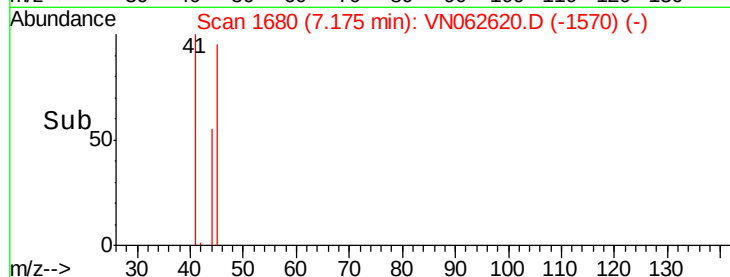
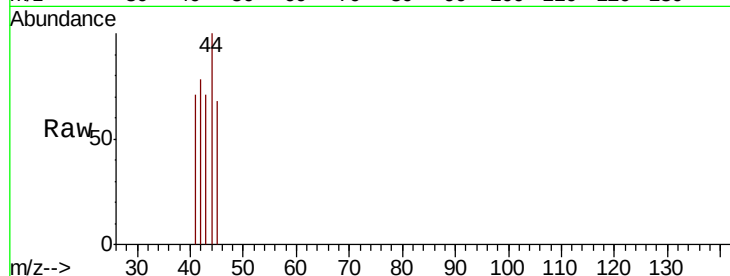




#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

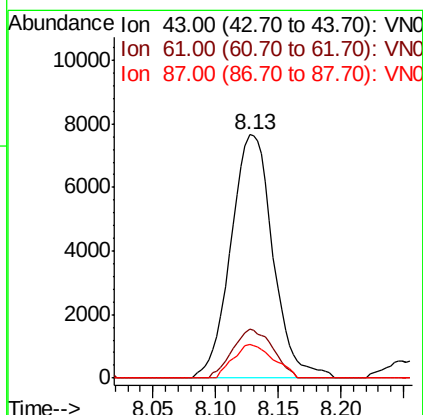
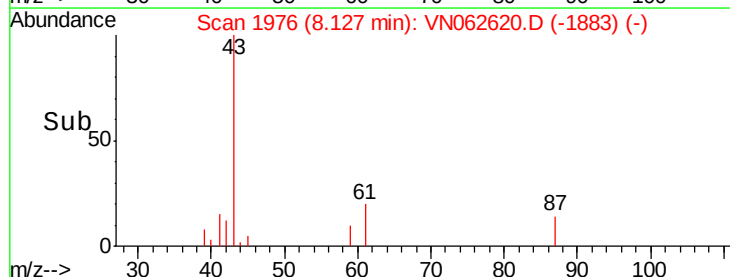
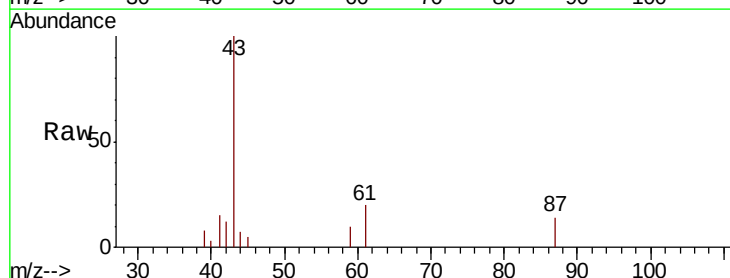
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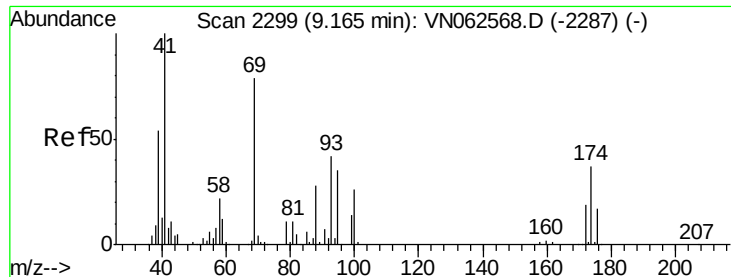
Tot Ion: 41 Resp: 307
Ion Ratio Lower Upper
41 100
39 9.8 55.8 83.6#
67 0.0 72.5 108.7#
52 0.0 31.8 47.8#



#43
Isopropyl Acetate
Concen: 3.753 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

Tgt Ion: 43 Resp: 17903
Ion Ratio Lower Upper
43 100
61 19.2 20.8 31.2#
87 13.1 9.2 13.8

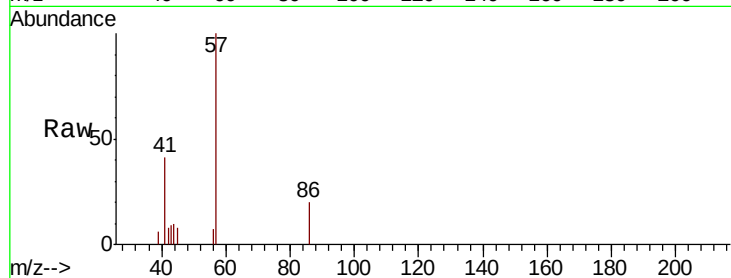




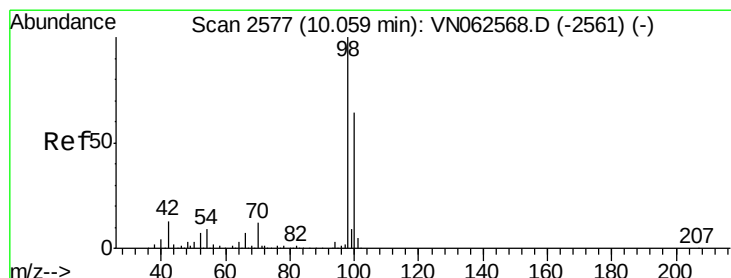
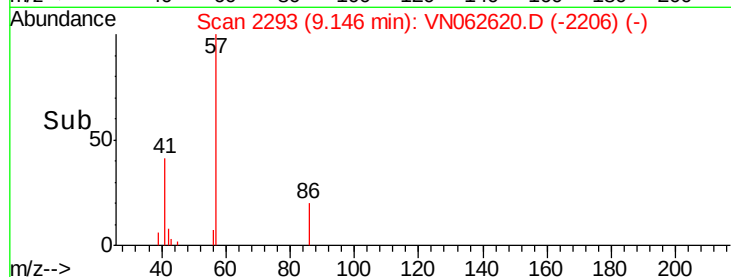
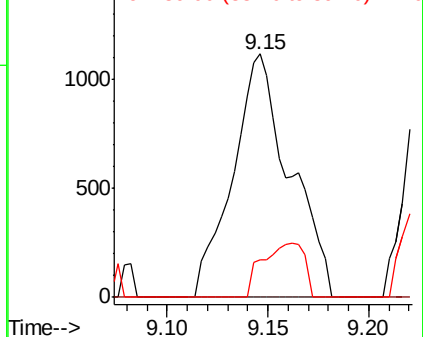
#48
Methvl methacrylate
Concen: 0.969 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

Instrument :
MSVOA_N
ClientSampleId :
20200441-3002A

Tot Ion: 41 Resp: 2197
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 16.3 43.5 65.3#

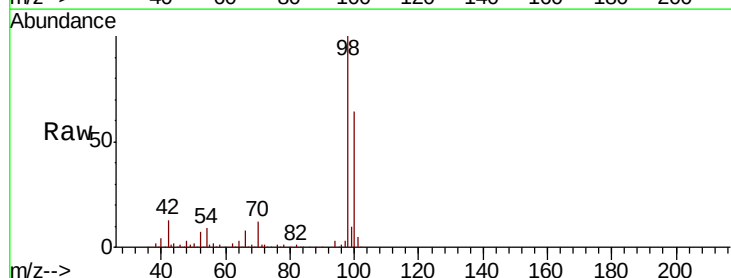


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

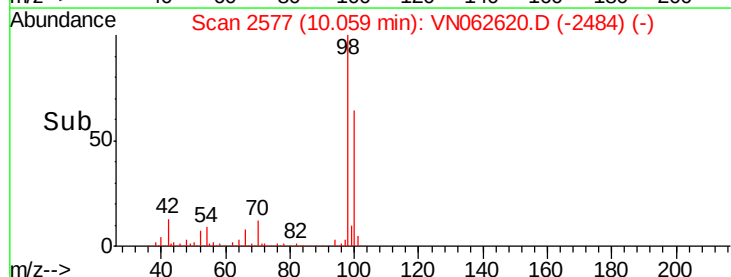
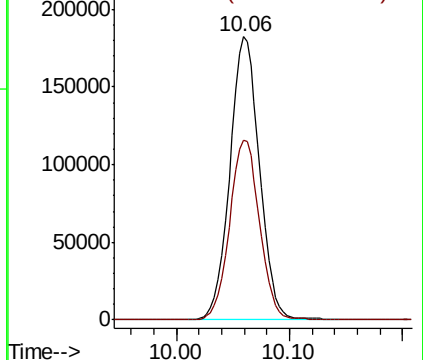


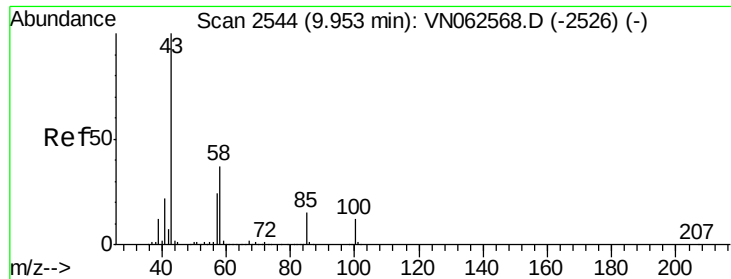
#50
Toluene-d8
Concen: 49.175 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

Tgt Ion: 98 Resp: 331913
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.844 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

Instrument :

MSVOA_N

ClientSampleId :

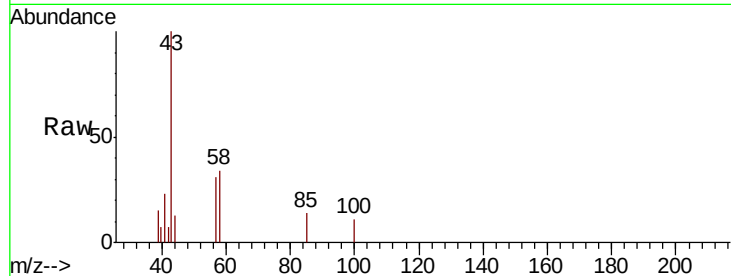
20200441-3002A

Tot Ion: 43 Resp: 5264

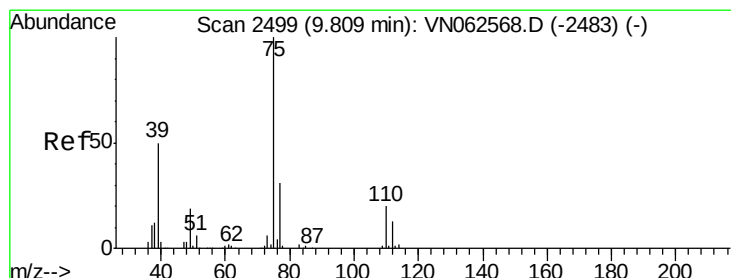
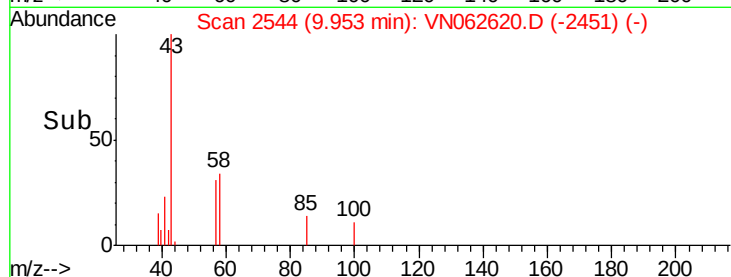
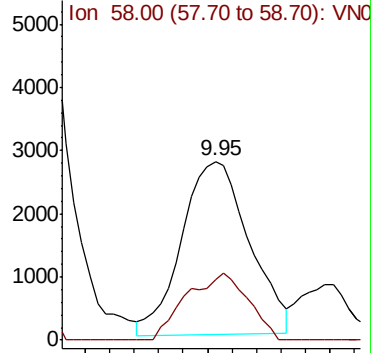
Ion Ratio Lower Upper

43 100

58 35.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062620.D (-2451) (-)



#54

cis-1,3-Dichloropropene

Concen: 2.018 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

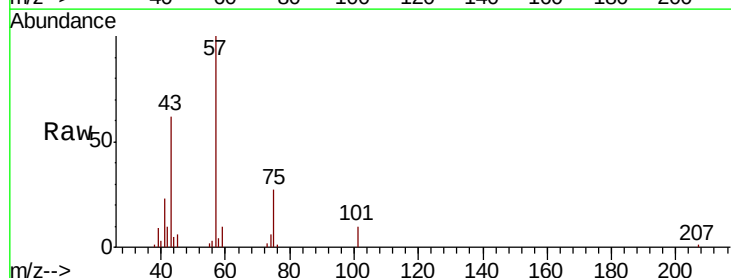
Tgt Ion: 75 Resp: 7043

Ion Ratio Lower Upper

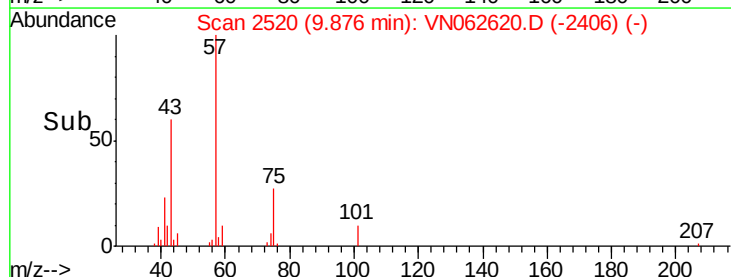
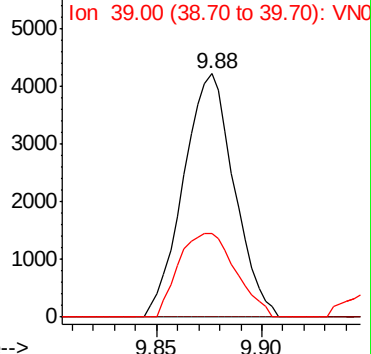
75 100

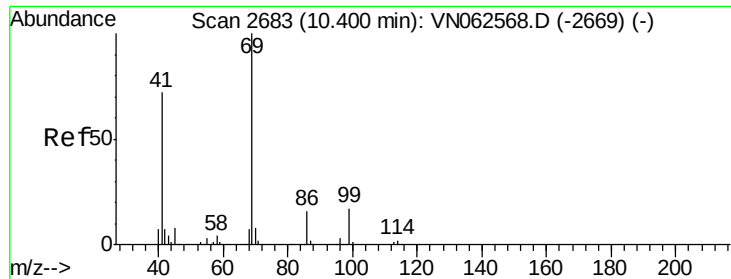
77 0.0 25.0 37.6#

39 34.2 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VN062620.D (-2406) (-)





#56

Ethyl methacrylate

Concen: 1.951 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

Instrument :

MSVOA_N

ClientSampleId :

20200441-3002A

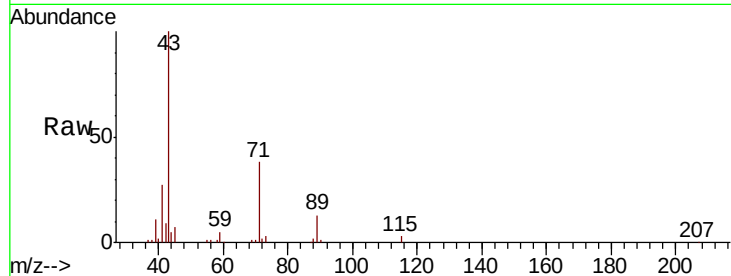
Tot Ion: 69 Resp: 633

Ion Ratio Lower Upper

69 100

41 4198.4 57.2 85.8#

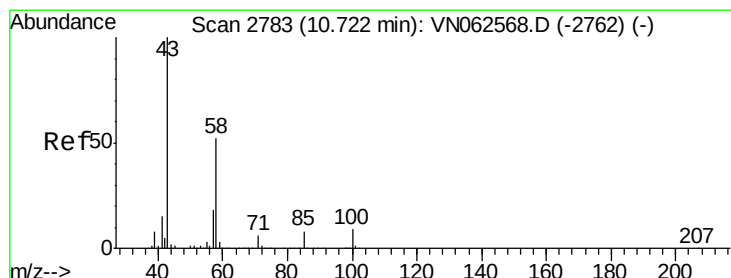
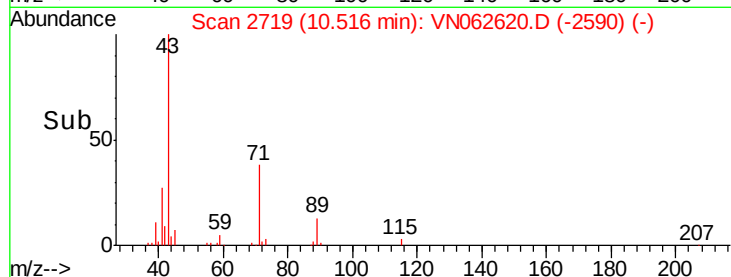
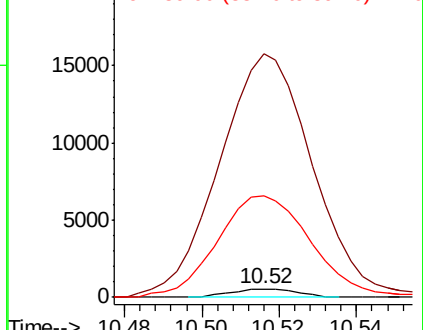
39 1746.4 28.6 43.0#



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



#59

2-Hexanone

Concen: 20.767 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.03 min

Lab File: VN062620.D

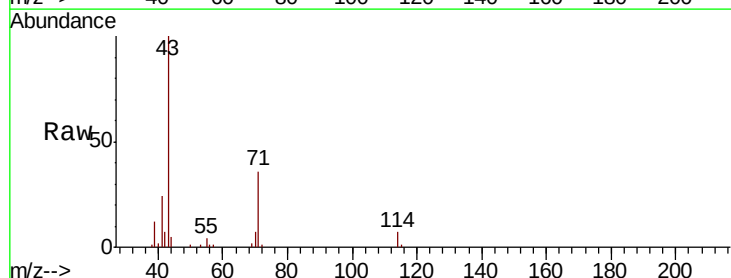
Acq: 27 Jul 2020 23:49

Tgt Ion: 43 Resp: 39779

Ion Ratio Lower Upper

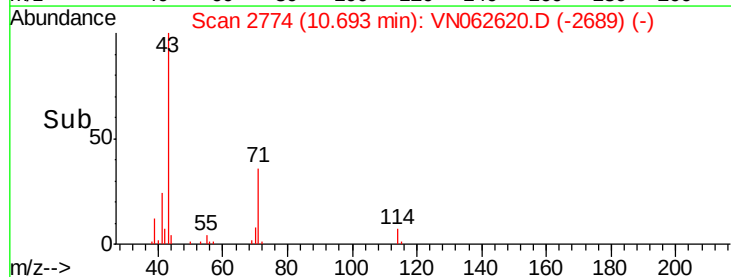
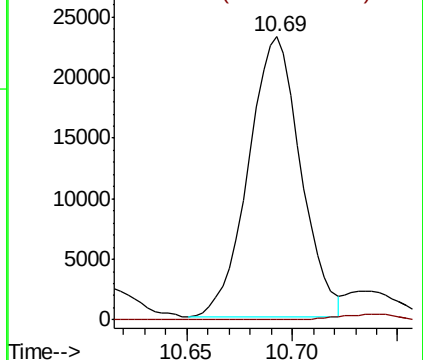
43 100

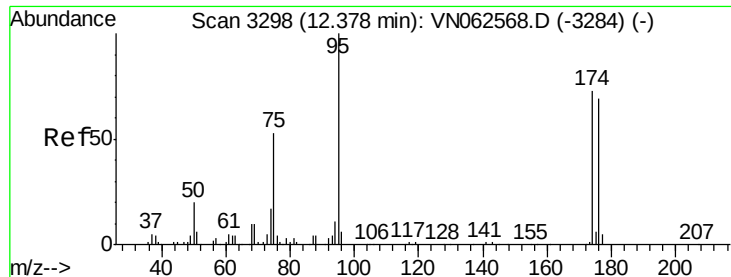
58 0.0 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

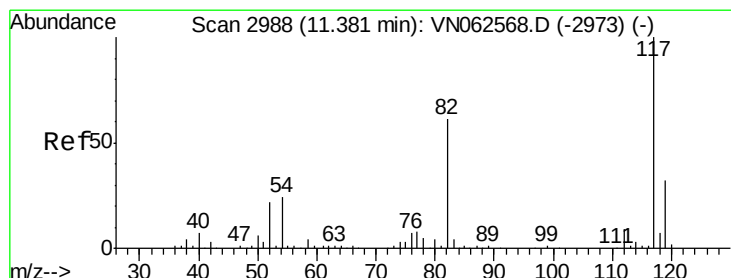
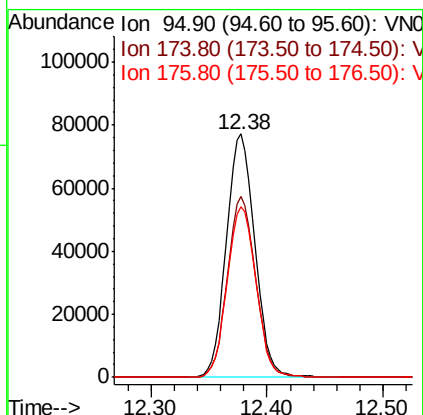
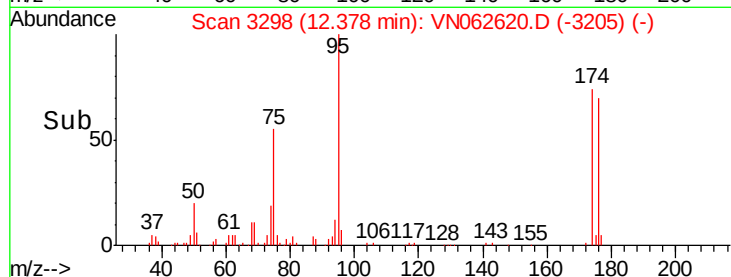
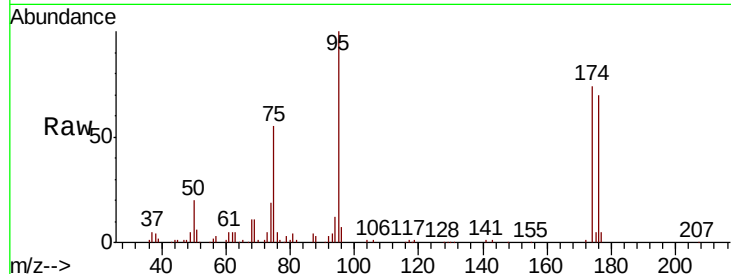




#62
4-Bromofluorobenzene
Concen: 52.953 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

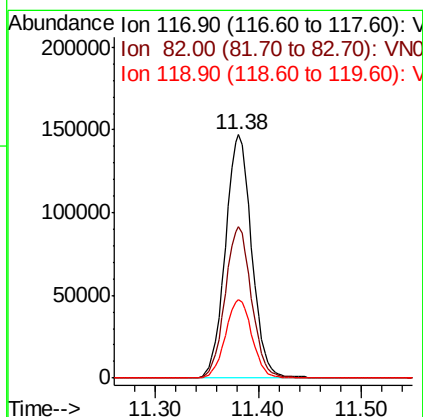
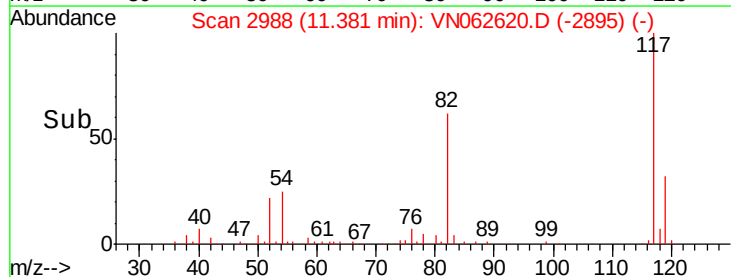
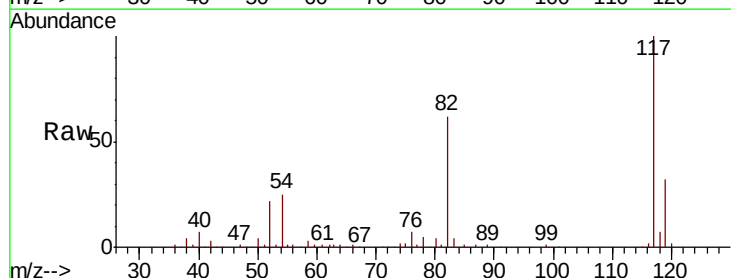
Instrument :
MSVOA_N
ClientSampleId :
20200441-3002A

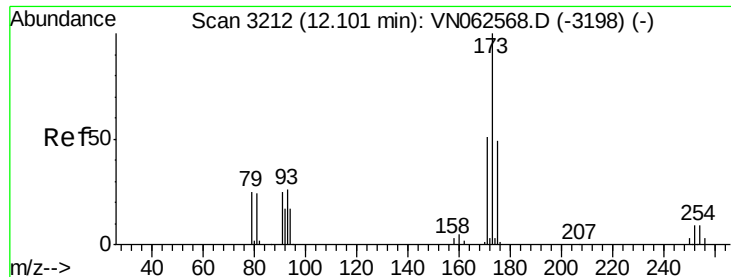
Tot Ion: 95 Resp: 130684
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 71.2 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062620.D
Acq: 27 Jul 2020 23:49

Tgt Ion: 117 Resp: 261214
Ion Ratio Lower Upper
117 100
82 62.2 49.0 73.6
119 32.4 25.4 38.2





#71

Bromoform

Concen: 0.290 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

Instrument :

MSVOA_N

ClientSampleId :

20200441-3002A

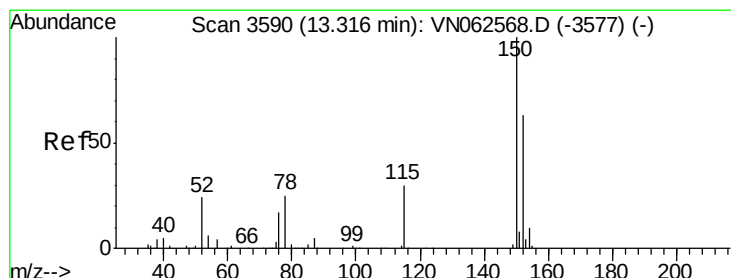
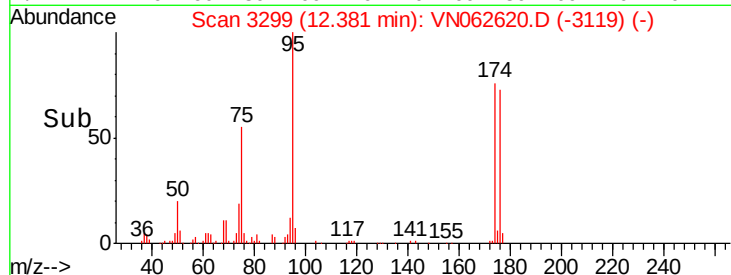
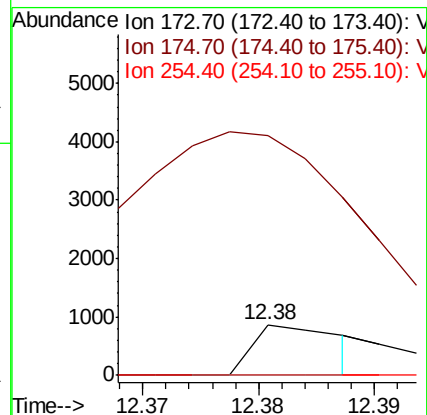
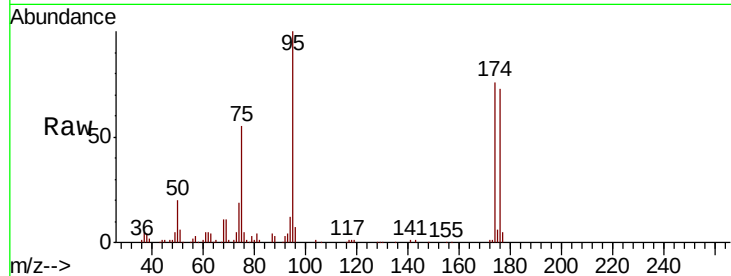
Tot Ion:173 Resp: 449

Ion Ratio Lower Upper

173 100

175 1338.5 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

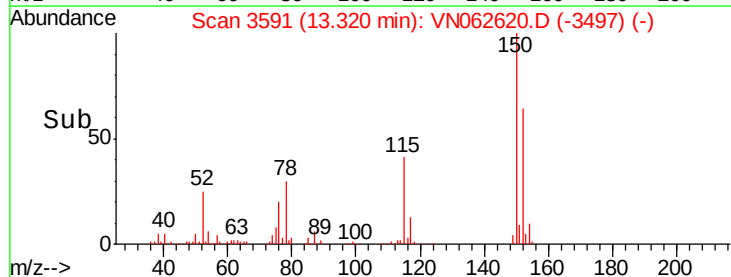
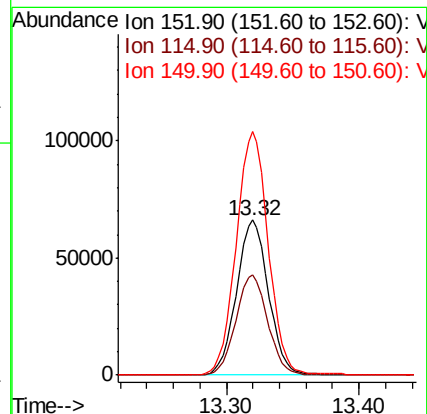
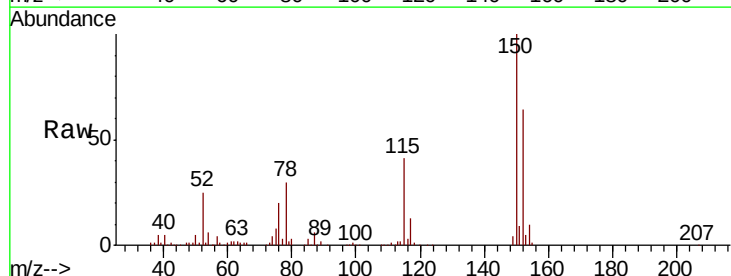
Tgt Ion:152 Resp: 111026

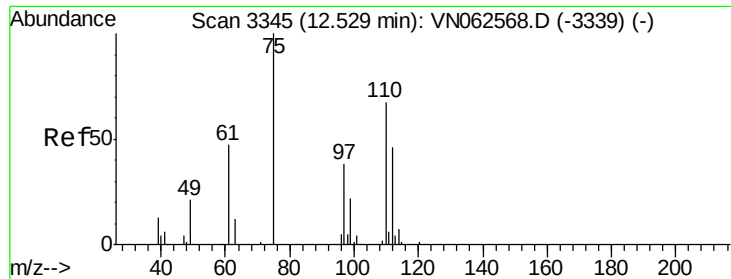
Ion Ratio Lower Upper

152 100

115 64.3 31.8 95.4

150 156.3 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 25.314 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

Instrument :

MSVOA_N

ClientSampleId :

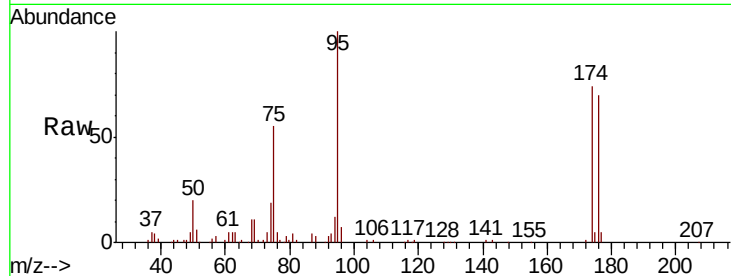
20200441-3002A

Tot Ion: 75 Resp: 71538

Ion Ratio Lower Upper

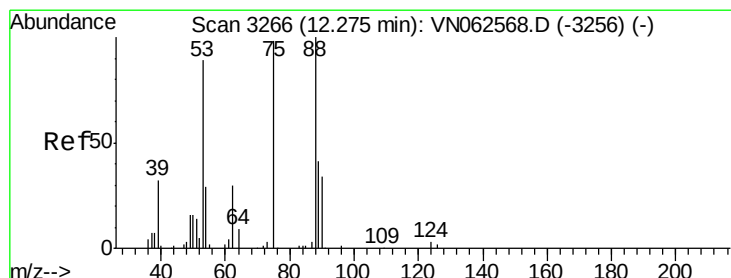
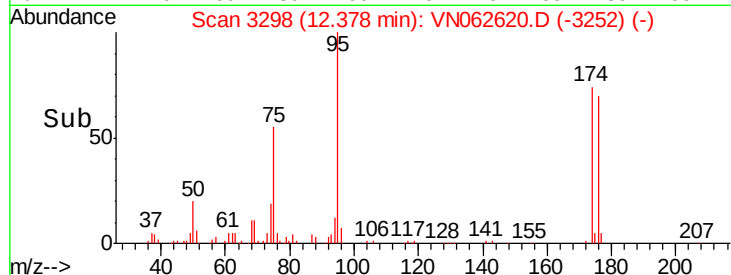
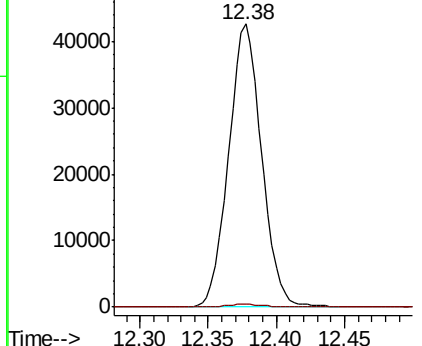
75 100

77 1.0 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: 70.469 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062620.D

Acq: 27 Jul 2020 23:49

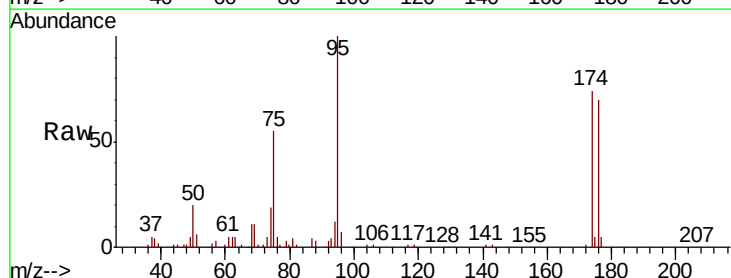
Tgt Ion: 75 Resp: 71538

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

