

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062689.D
 Acq On : 31 Jul 2020 16:42
 Operator : JC/MD
 Sample : PB130640ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#12

Quant Time: Aug 01 06:06:28 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	124913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79763	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	110999	57.20	ug/l	0.00
Spiked Amount			Recovery	=	114.40%	
35) Dibromofluoromethane	7.55	113	76004	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.06	98	308700	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.38	95	109448	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

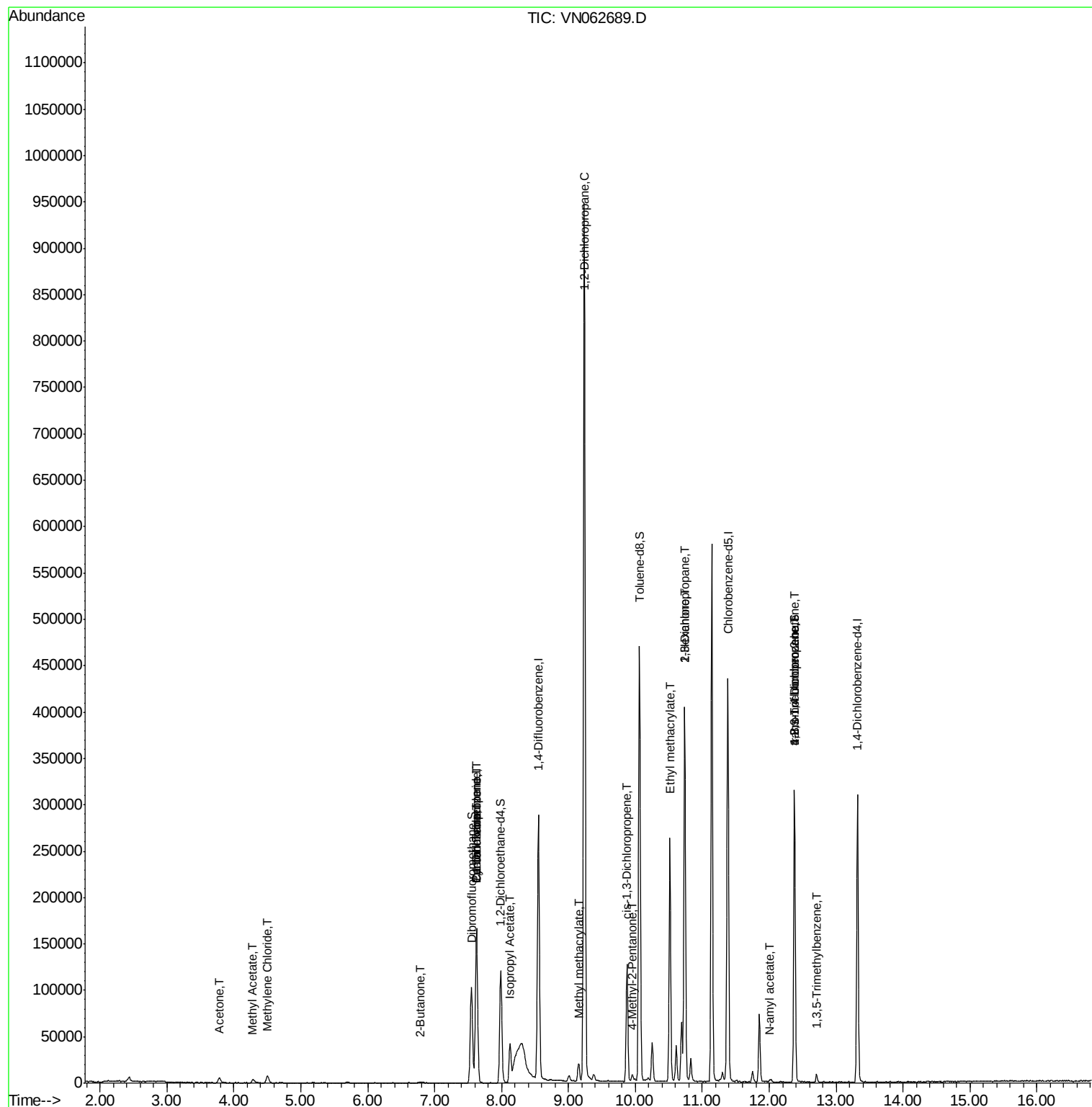
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9204	12.605	ug/l	100
18) Methyl Acetate	4.28	43	6669	3.608	ug/l	99
20) Methylene Chloride	4.50	84	5651	3.227	ug/l	88
25) 2-Butanone	6.80	43	800	0.719	ug/l #	52
31) Cyclohexane	7.62	56	3264	1.142	ug/l #	28
36) 1,1-Dichloropropene	7.63	75	11686	4.592	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13940	5.699	ug/l #	17
43) Isopropyl Acetate	8.13	43	52609	11.897	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	982	0.454	ug/l #	44
48) Methyl methacrylate	9.14	41	2937	1.397	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	6038	2.282	ug/l	93
54) cis-1,3-Dichloropropene	9.88	75	20836	6.440	ug/l #	69
56) Ethyl methacrylate	10.52	69	1160	2.128	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3858	1.214	ug/l #	42
59) 2-Hexanone	10.74	43	62517	33.150	ug/l #	51
74) N-amyl acetate	12.01	43	1193	0.424	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	61479	30.281	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	5264	1.006	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	61479	84.297	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# 1820

Delta R.T. -0.00 min

Lab File: VN062689.D

Acq: 31 Jul 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

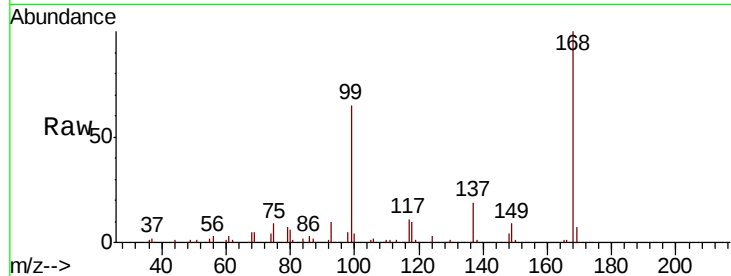
PB130640ZHE#12

Tot Ion:168 Resp: 124913

Ion Ratio Lower Upper

168 100

99 64.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062689.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062689.D (-1727) (-)

7.63

60000

50000

40000

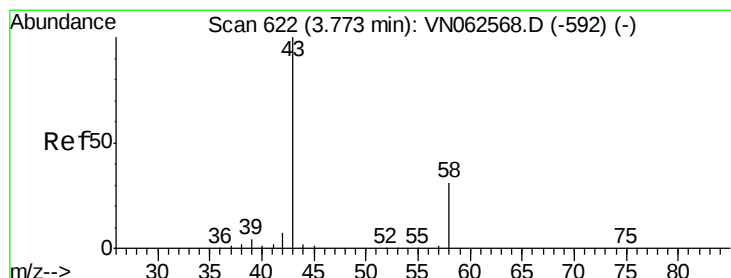
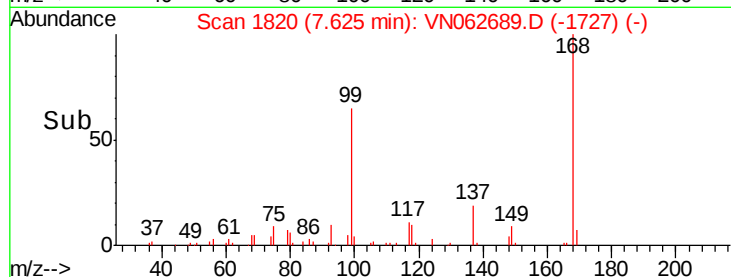
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 12.605 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062689.D

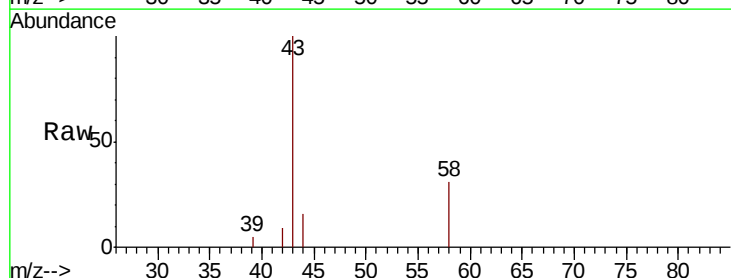
Acq: 31 Jul 2020 16:42

Tgt Ion: 43 Resp: 9204

Ion Ratio Lower Upper

43 100

58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062689.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062689.D (-529) (-)

3.78

4000

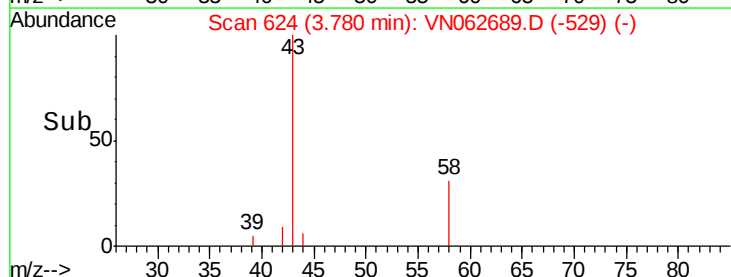
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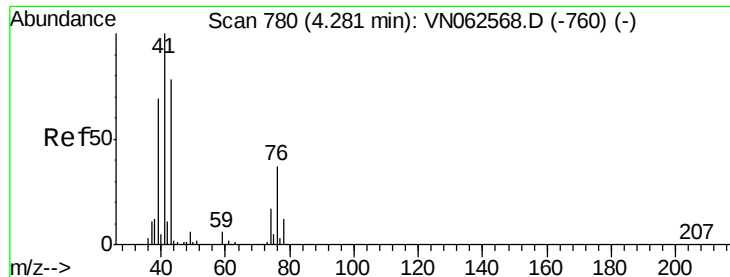
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

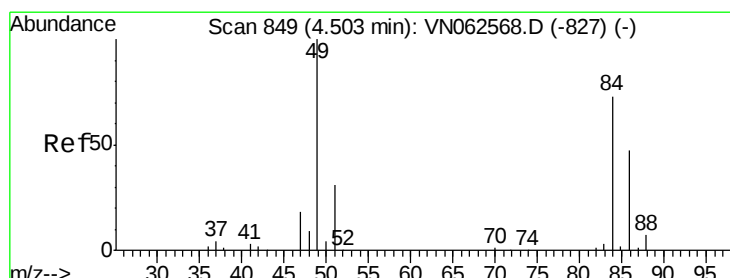
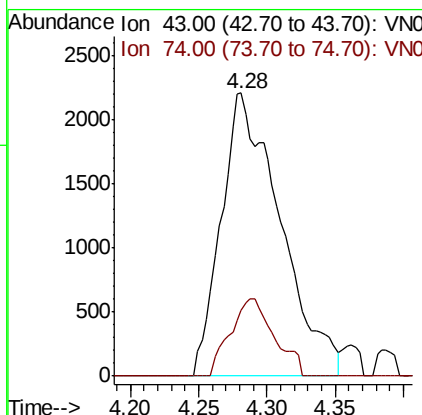
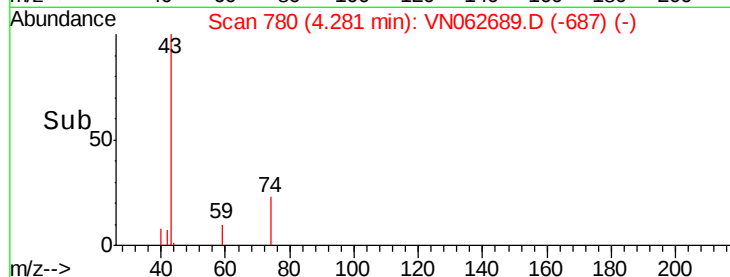
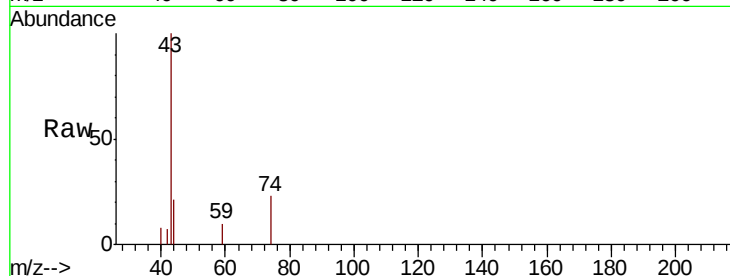




#18
Methyl Acetate
Concen: 3.608 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

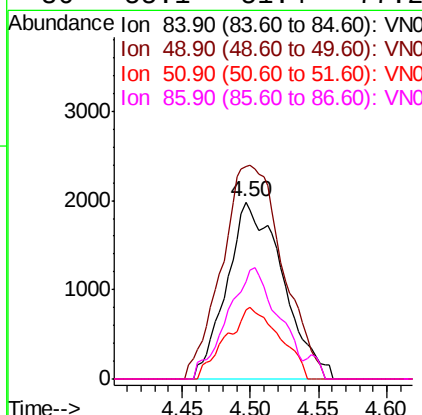
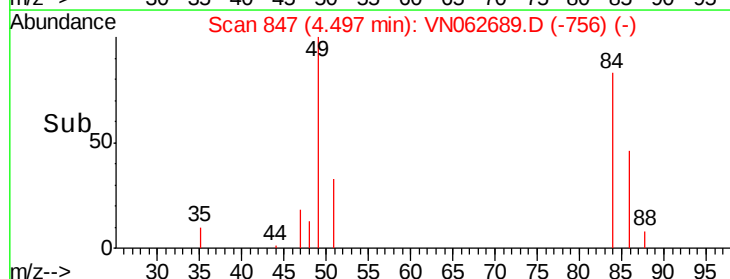
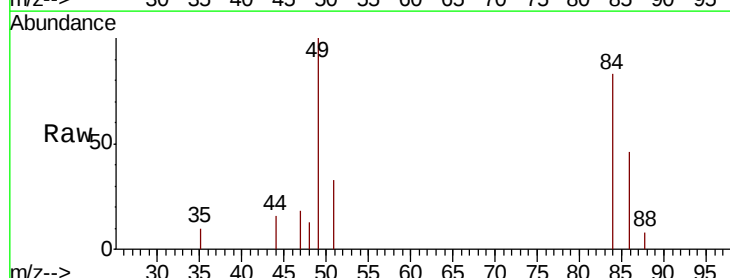
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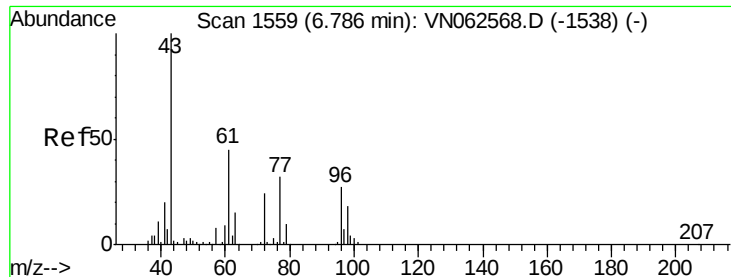
Tot Ion: 43 Resp: 6669
Ion Ratio Lower Upper
43 100
74 20.3 16.6 24.8



#20
Methylene Chloride
Concen: 3.227 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

Tgt Ion: 84 Resp: 5651
Ion Ratio Lower Upper
84 100
49 120.1 109.4 164.0
51 39.4 33.6 50.4
86 55.1 51.4 77.2

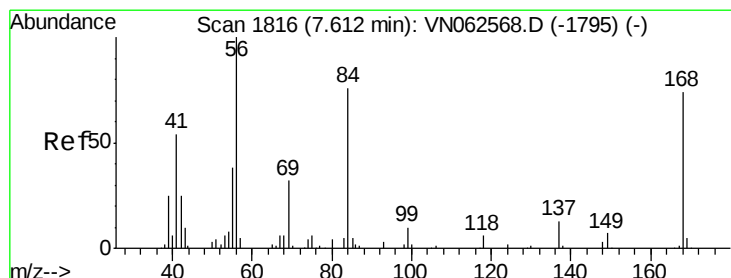
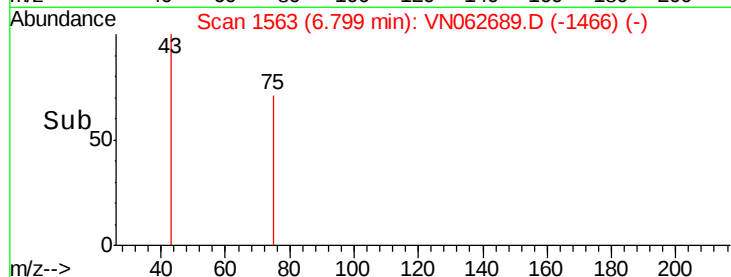
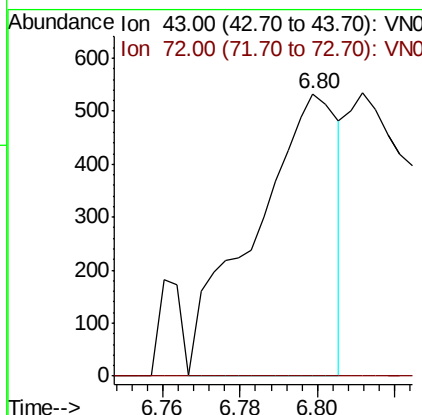
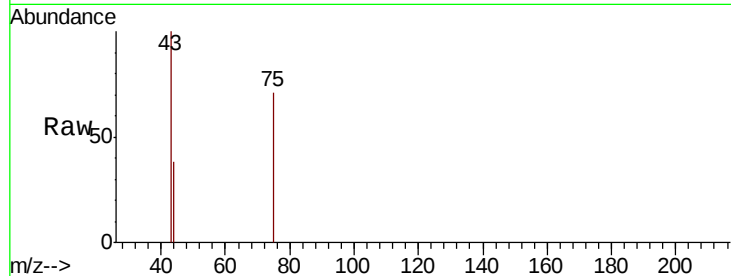




#25
2-Butanone
Concen: 0.719 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

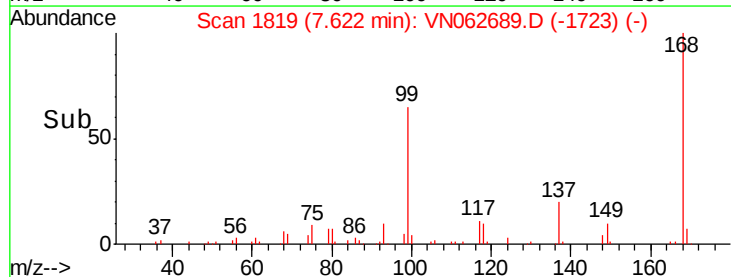
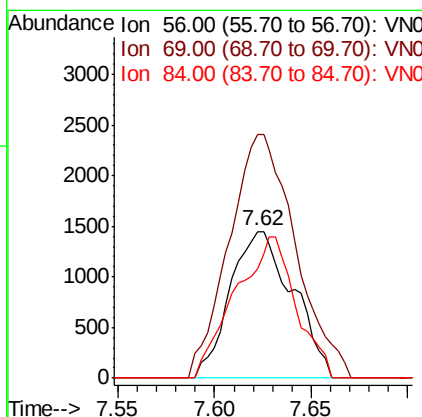
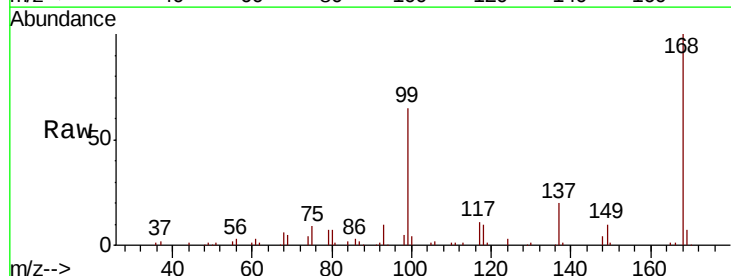
Instrument :
MSVOA_N
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PB130640ZHE#12

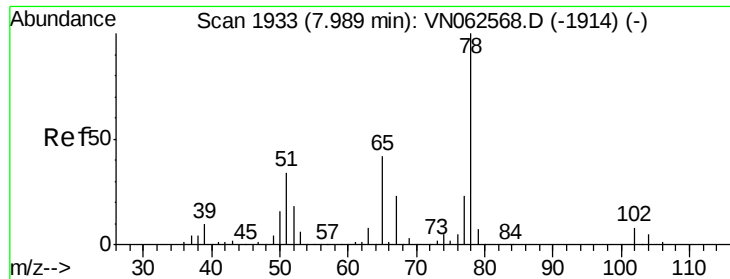
Tot Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

Tgt Ion: 56 Resp: 3264
Ion Ratio Lower Upper
56 100
69 165.6 25.3 37.9#
84 74.6 61.0 91.4

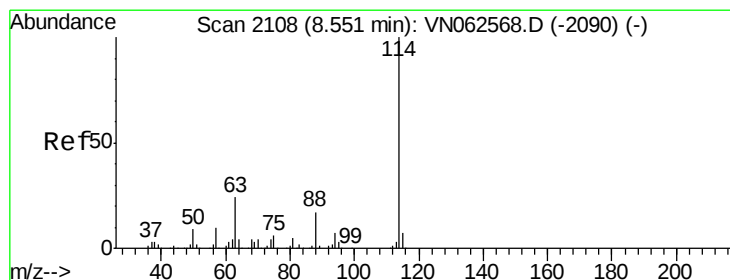
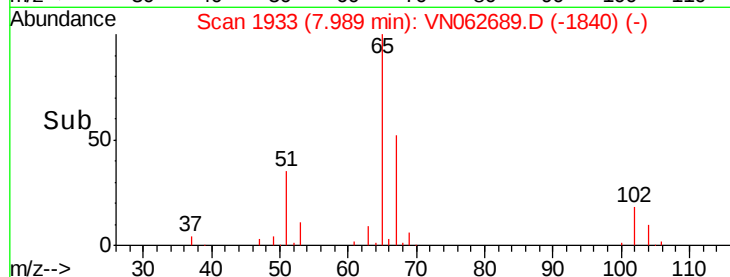
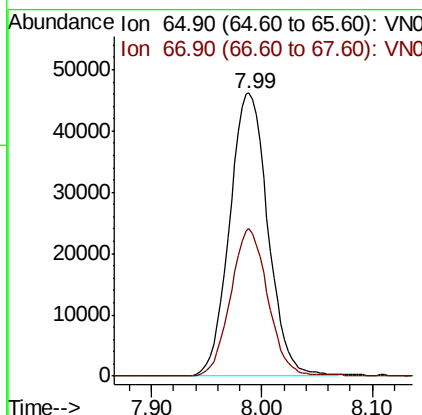
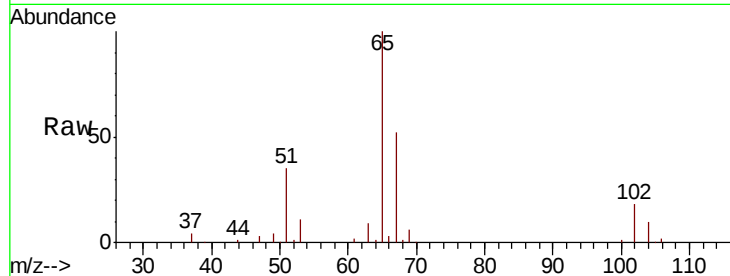




#33
 1,2-Dichloroethane-d4
 Concen: 57.202 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

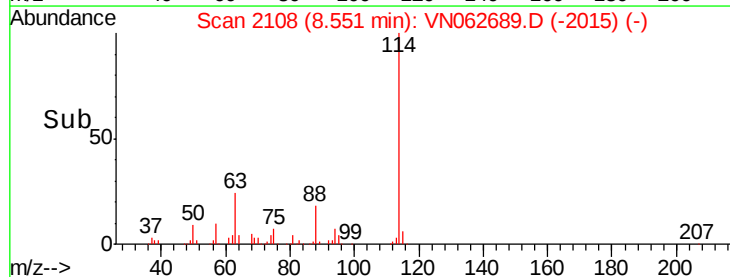
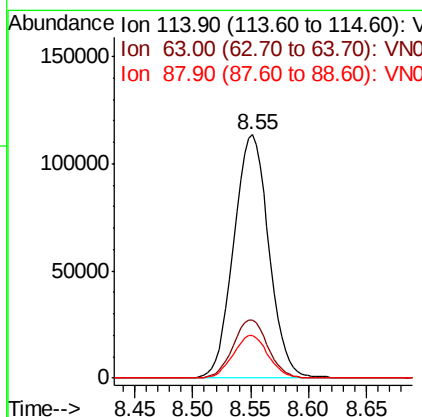
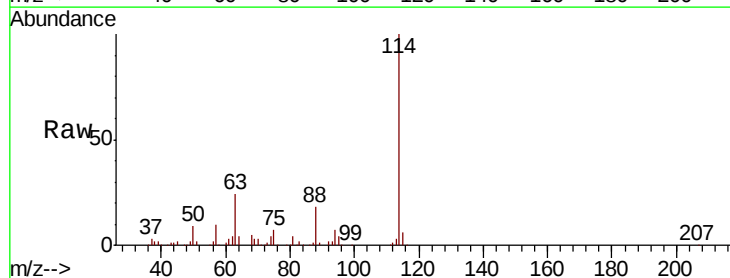
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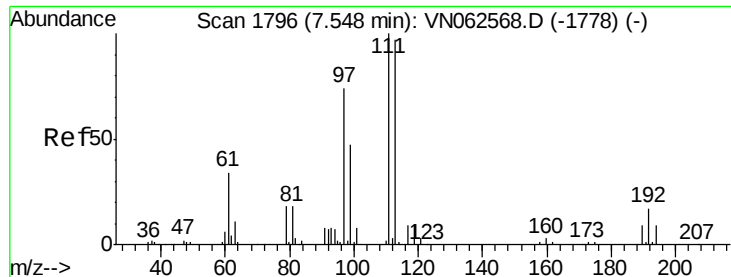
Tot Ion: 65 Resp: 110999
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

Tgt Ion: 114 Resp: 238740
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.4
 88 17.8 0.0 33.8

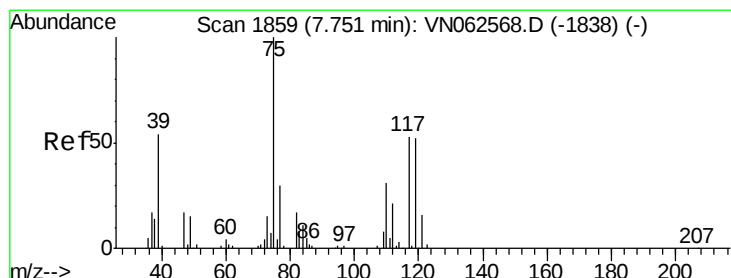
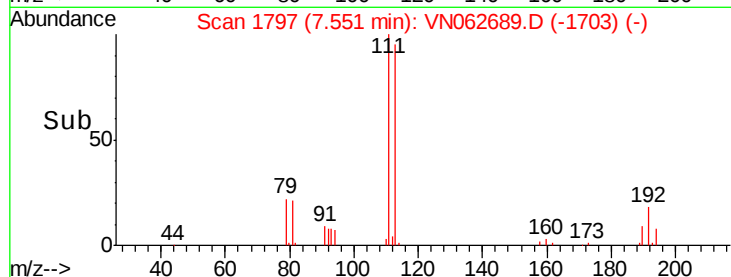
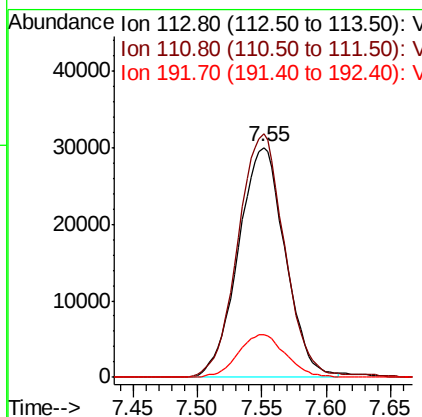
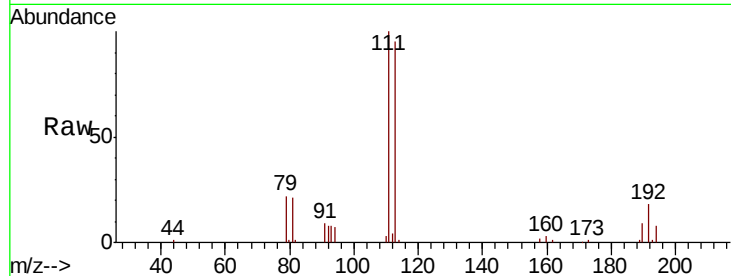




#35
 Dibromofluoromethane
 Concen: 48.466 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

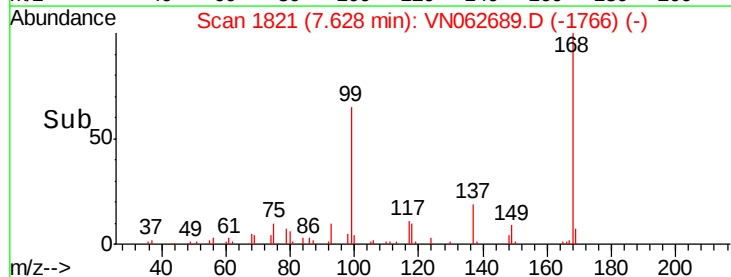
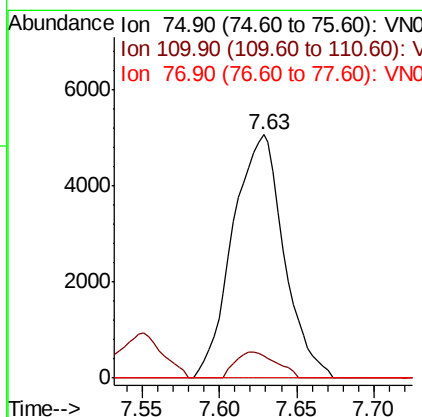
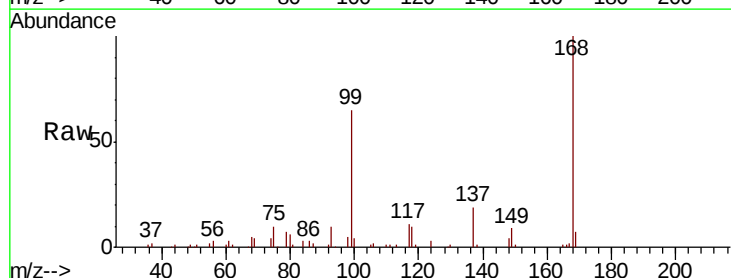
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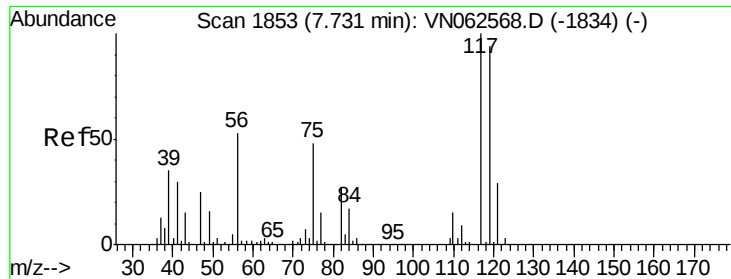
Tot Ion:113 Resp: 76004
 Ion Ratio Lower Upper
 113 100
 111 106.1 82.7 124.1
 192 18.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.592 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

Tgt Ion: 75 Resp: 11686
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.0 48.0#
 77 0.0 24.6 36.8#

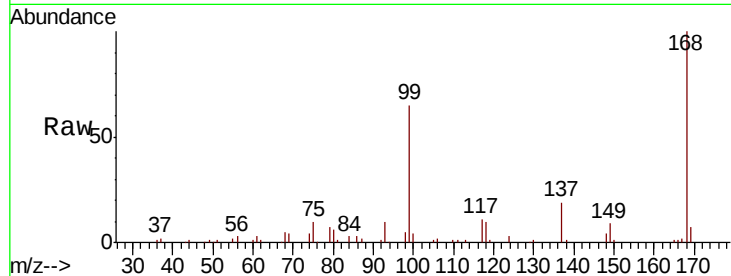




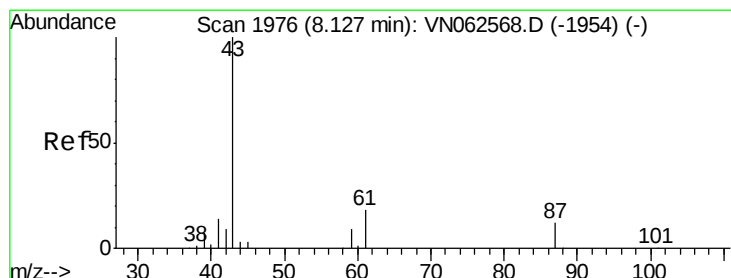
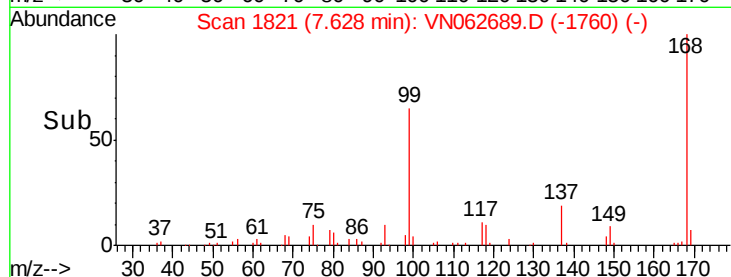
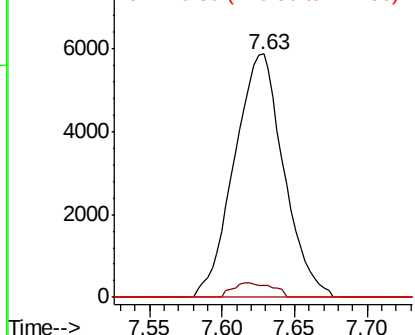
#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

Instrument :
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Tot Ion:117 Resp: 13940
Ion Ratio Lower Upper
117 100
119 5.0 74.8 112.2#
121 0.0 23.0 34.6#

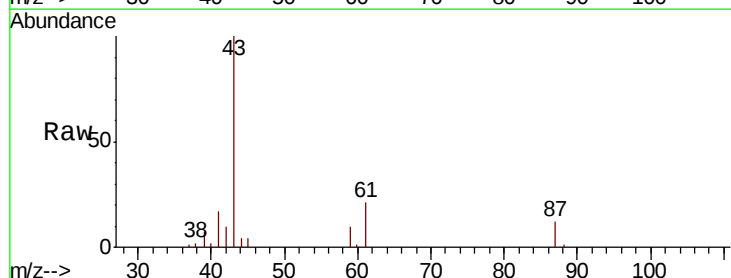


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

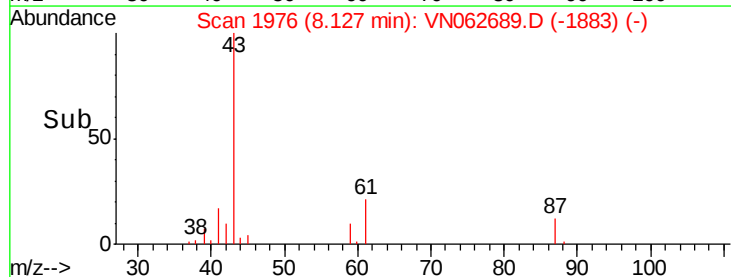
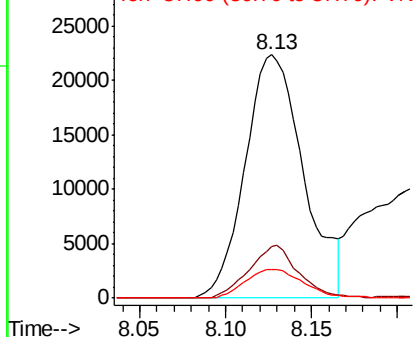


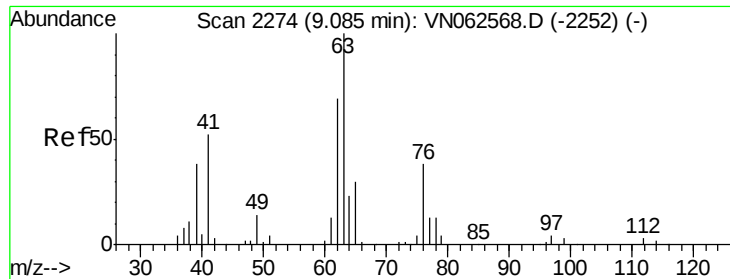
#43
Isopropyl Acetate
Concen: 11.897 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

Tgt Ion: 43 Resp: 52609
Ion Ratio Lower Upper
43 100
61 18.3 20.8 31.2#
87 11.7 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

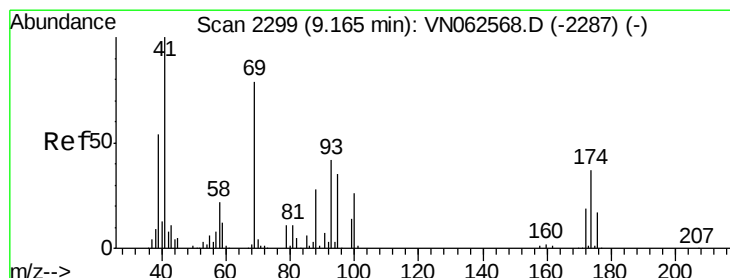
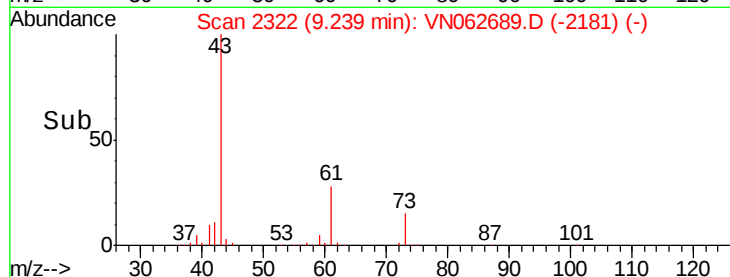
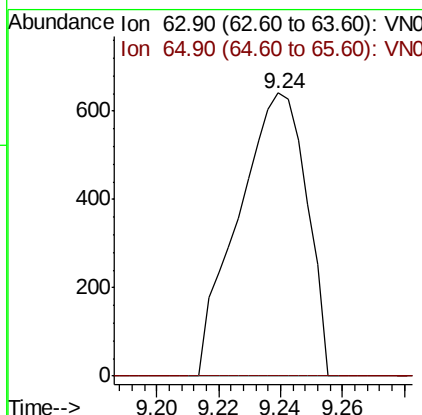
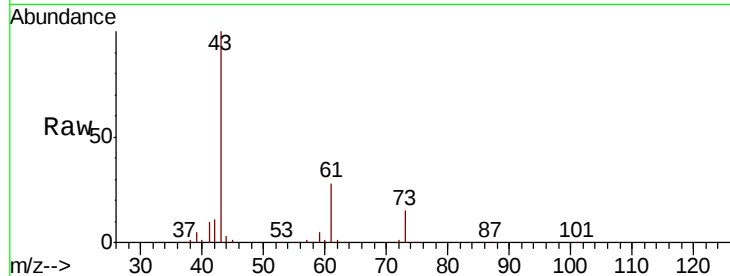




#45
 1,2-Dichloropropane
 Concen: 0.454 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

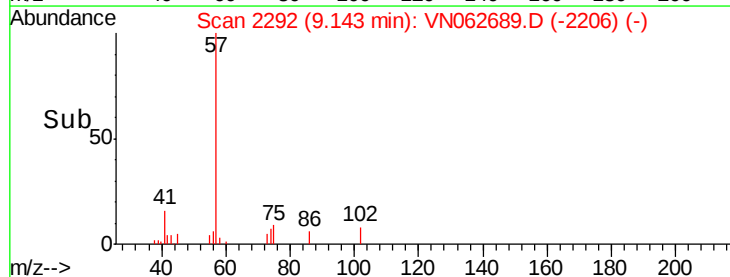
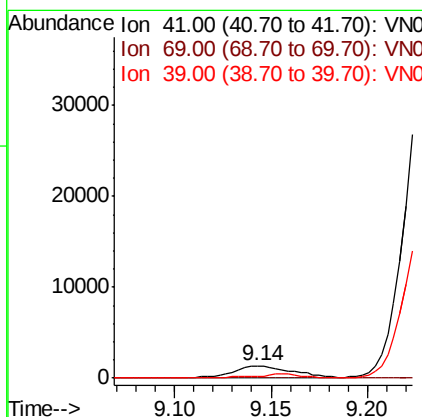
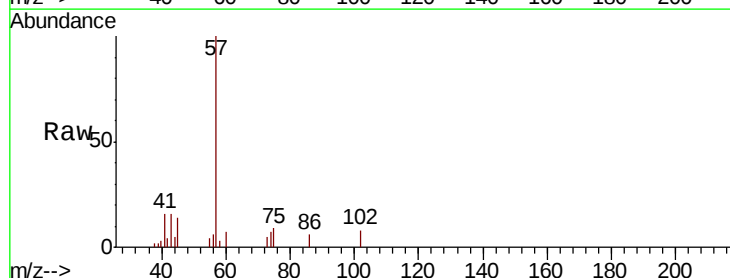
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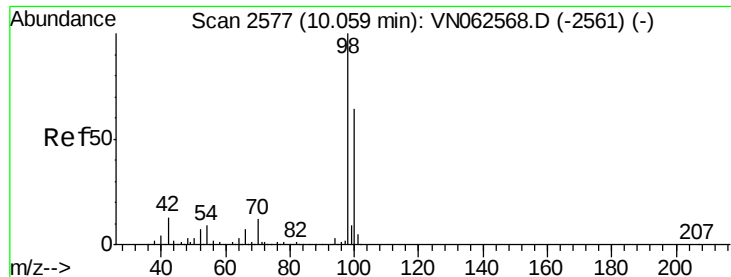
Tot Ion: 63 Resp: 982
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.397 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

Tgt Ion: 41 Resp: 2937
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 49.337 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062689.D

Acq: 31 Jul 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

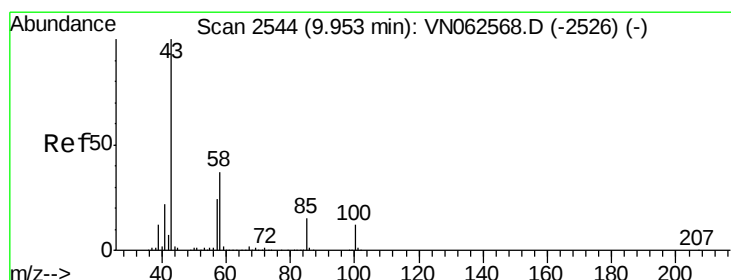
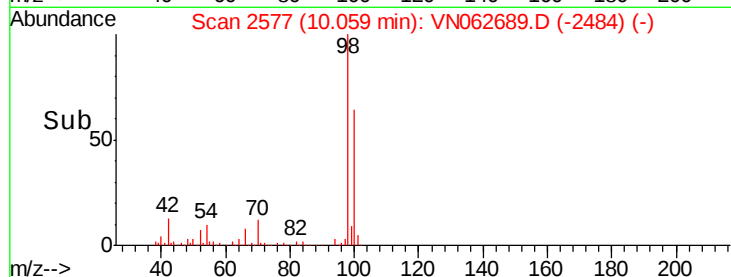
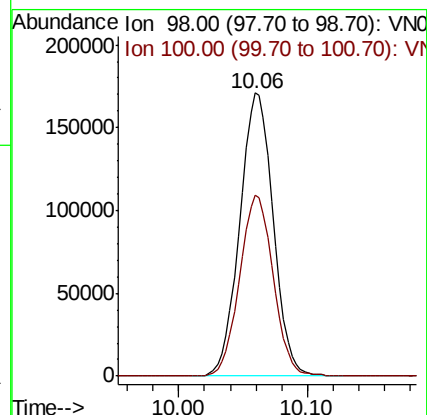
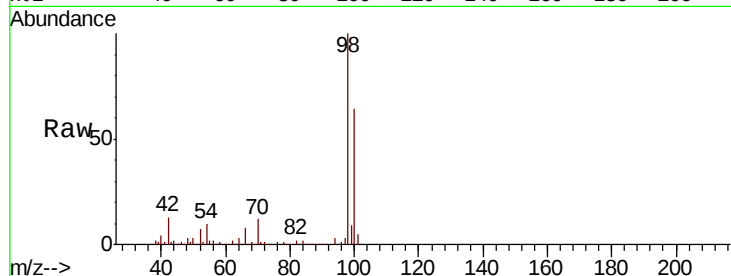
PB130640ZHE#12

Tot Ion: 98 Resp: 308700

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 2.282 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062689.D

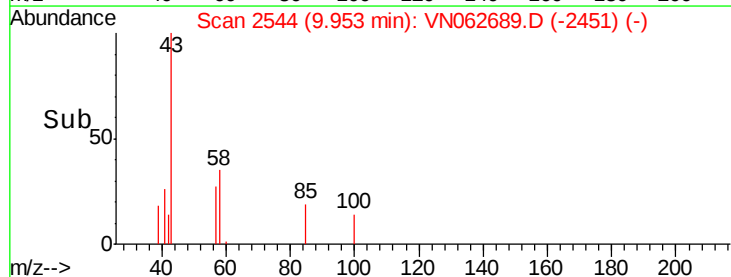
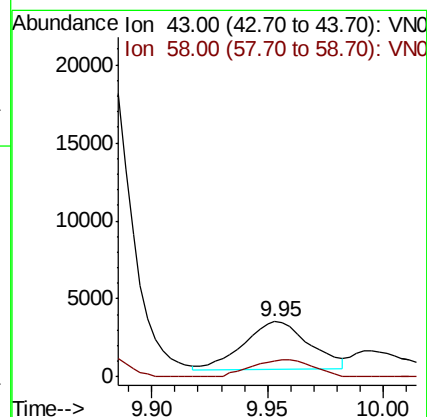
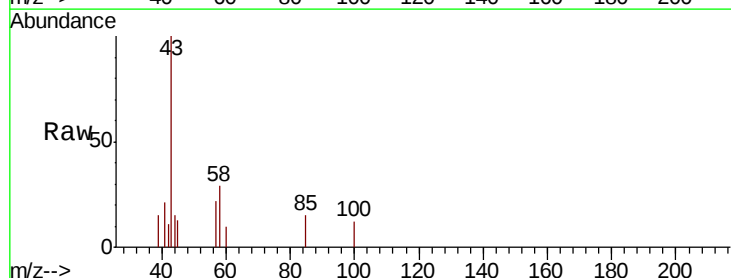
Acq: 31 Jul 2020 16:42

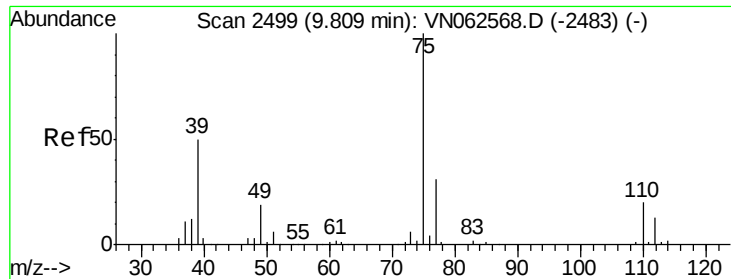
Tgt Ion: 43 Resp: 6038

Ion Ratio Lower Upper

43 100

58 32.9 29.8 44.6



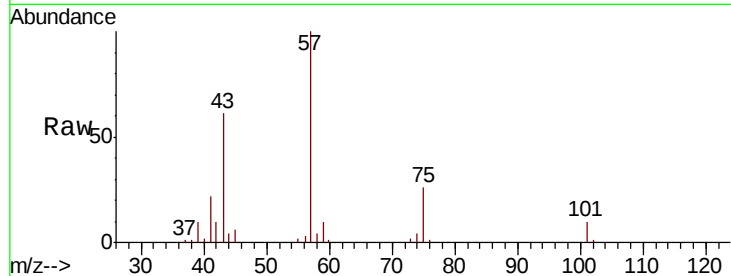


#54

cis-1,3-Dichloropropene
 Concen: 6.440 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#12

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	39.3	39.8	59.8#

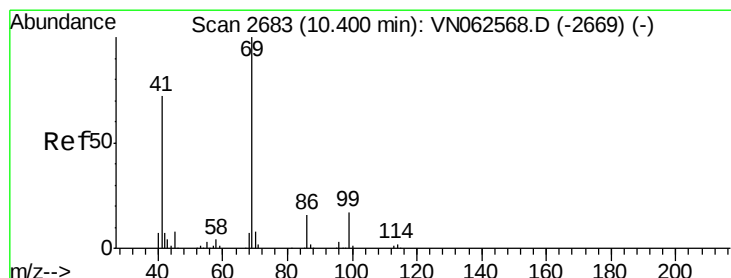
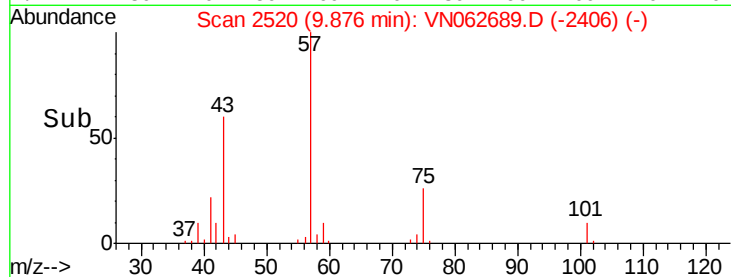
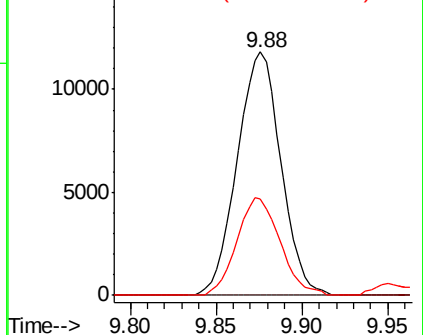


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

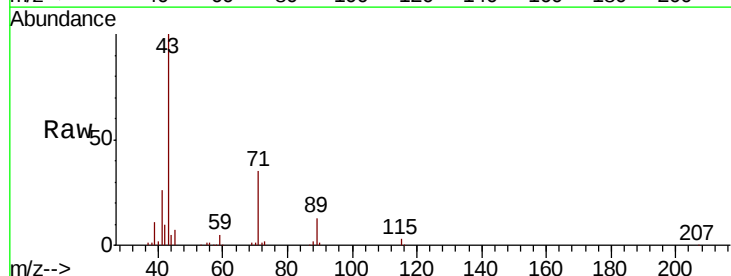
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate
 Concen: 2.128 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4331.3	57.2	85.8#
39	1874.7	28.6	43.0#

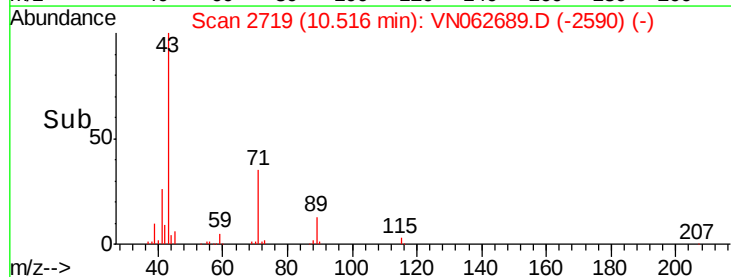
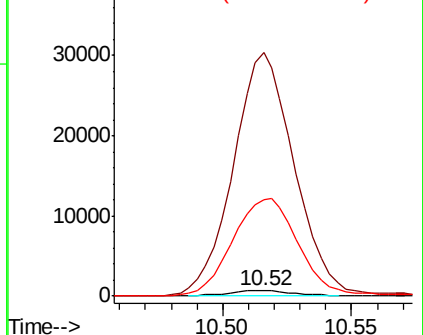


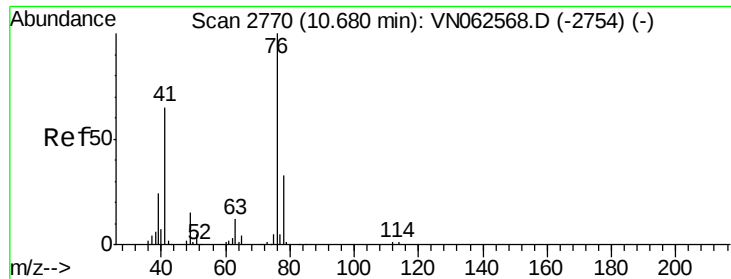
Abundance

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: 1.214 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062689.D

Acq: 31 Jul 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

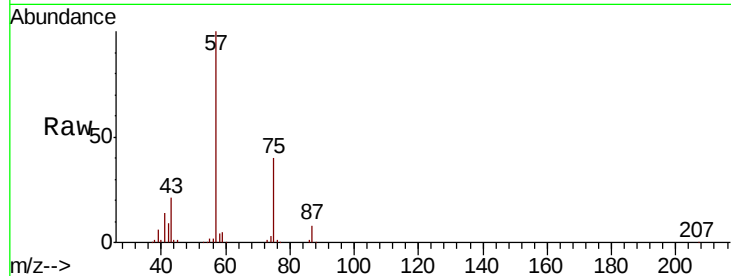
PB130640ZHE#12

Tot Ion: 76 Resp: 3858

Ion Ratio Lower Upper

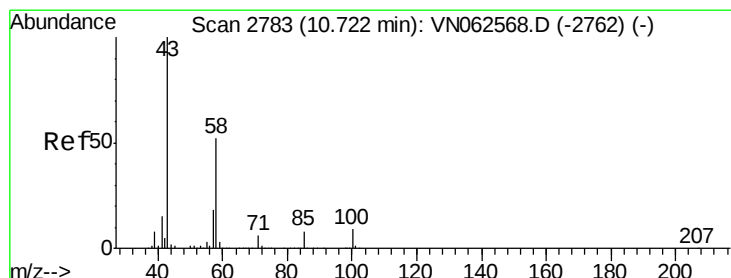
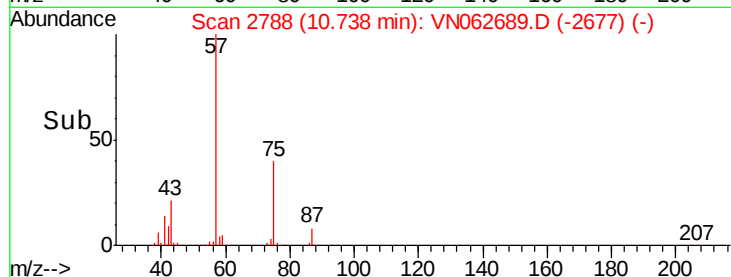
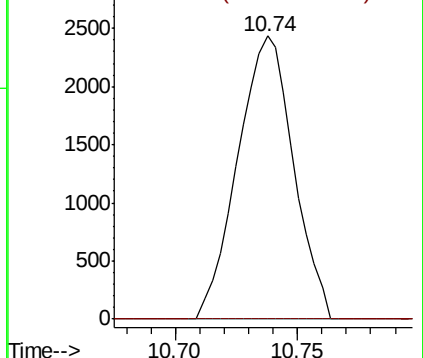
76 100

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



#59

2-Hexanone

Concen: 33.150 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062689.D

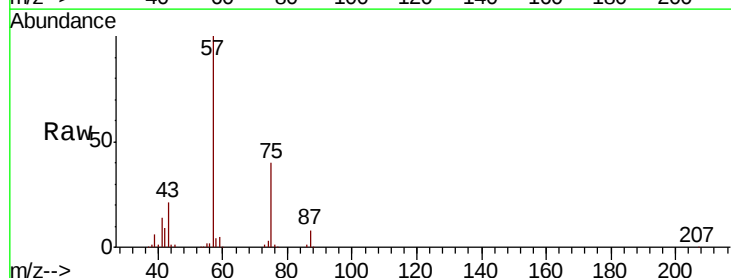
Acq: 31 Jul 2020 16:42

Tgt Ion: 43 Resp: 62517

Ion Ratio Lower Upper

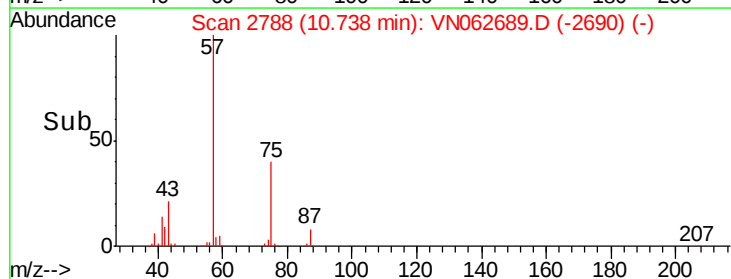
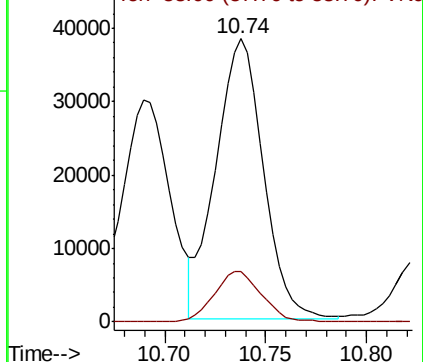
43 100

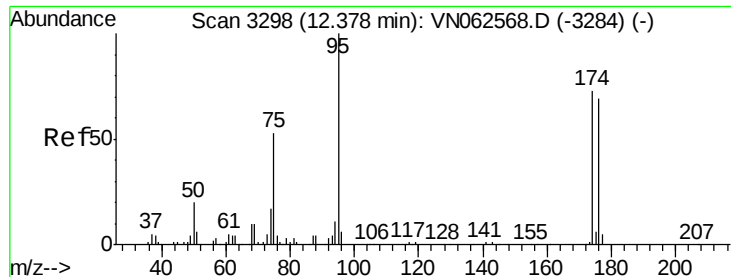
58 17.9 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

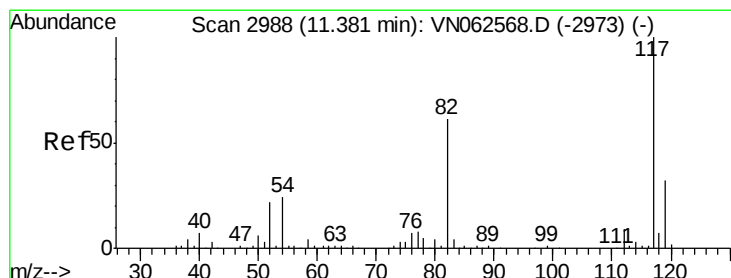
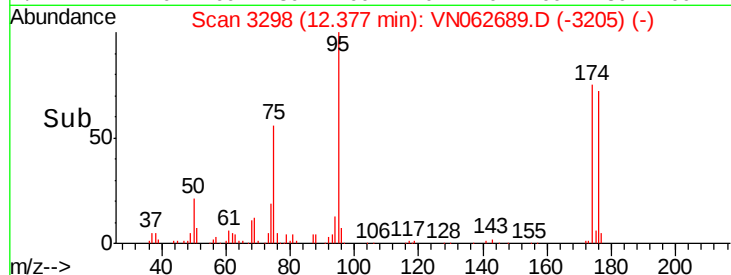
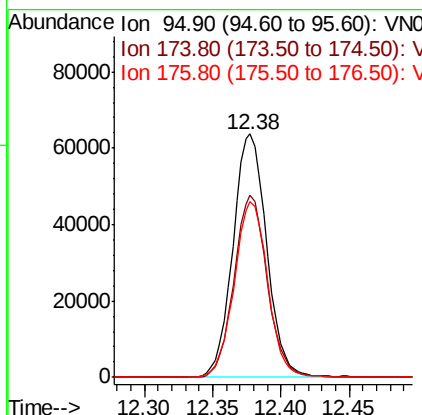
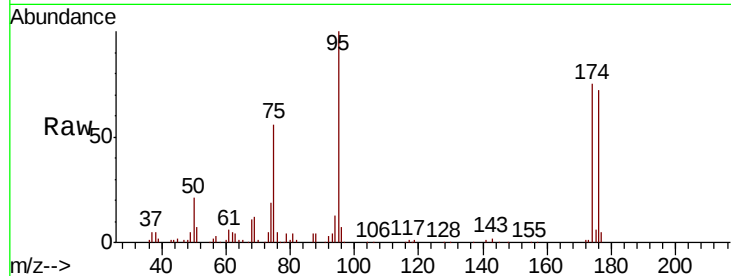




#62
4-Bromofluorobenzene
Concen: 47.840 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

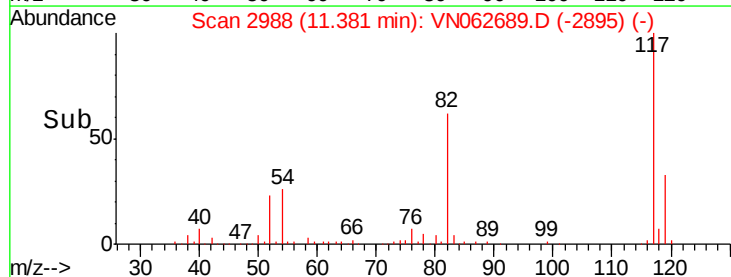
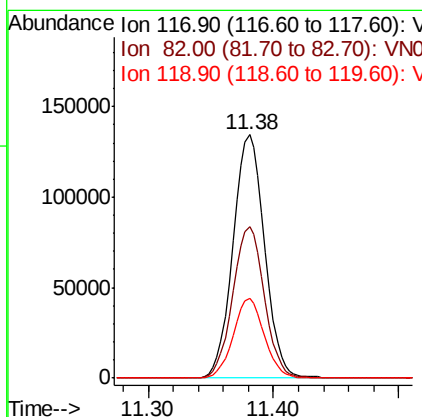
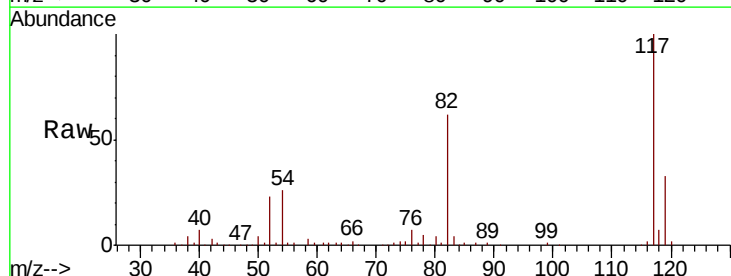
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#12

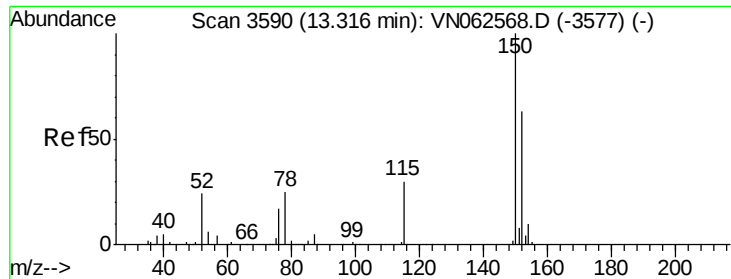
Tot Ion: 95 Resp: 109448
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 71.7 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062689.D
Acq: 31 Jul 2020 16:42

Tgt Ion: 117 Resp: 235305
Ion Ratio Lower Upper
117 100
82 62.1 49.0 73.6
119 32.6 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: VN062689.D

Acq: 31 Jul 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#12

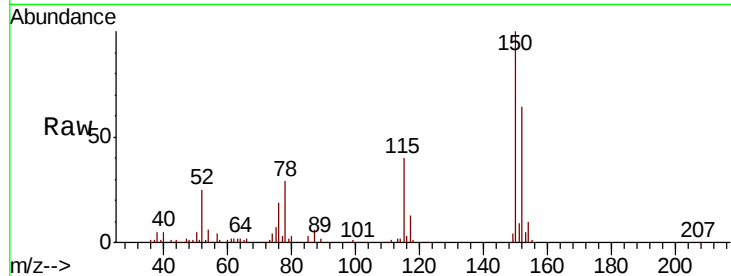
Tot Ion:152 Resp: 79763

Ion Ratio Lower Upper

152 100

115 63.3 31.8 95.4

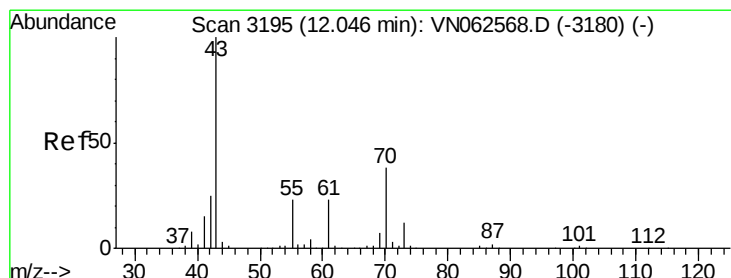
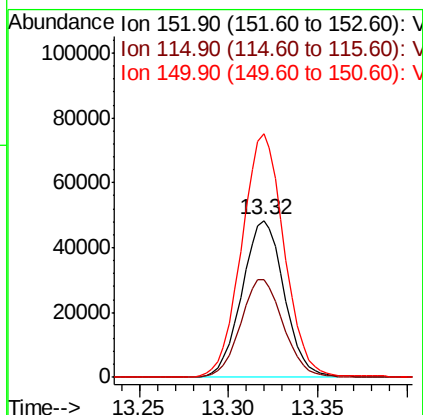
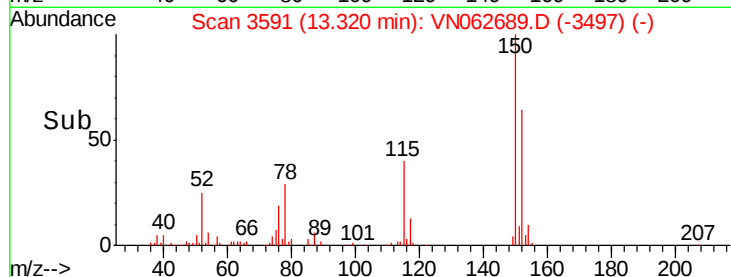
150 157.3 0.0 351.4



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: 0.424 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062689.D

Acq: 31 Jul 2020 16:42

Tgt Ion: 43 Resp: 1193

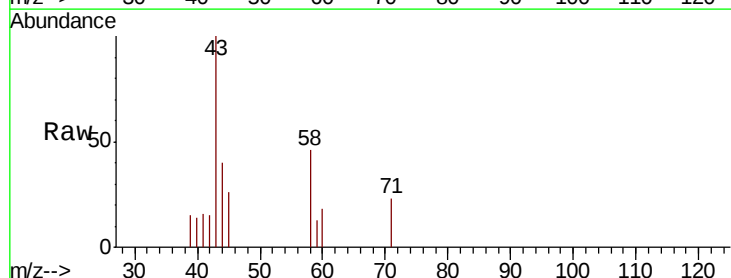
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 2.7 19.0 28.6#

61 0.0 18.4 27.6#

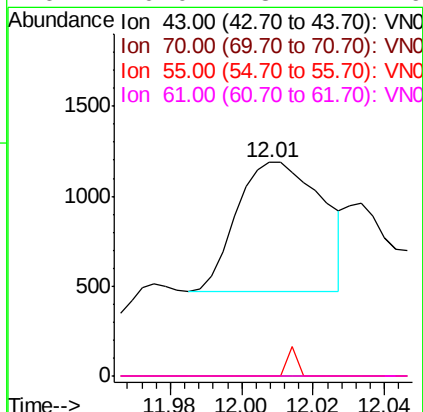
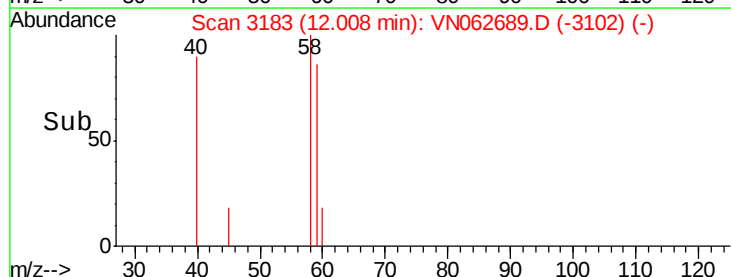


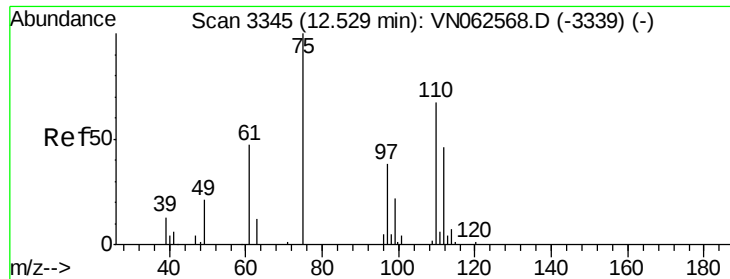
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

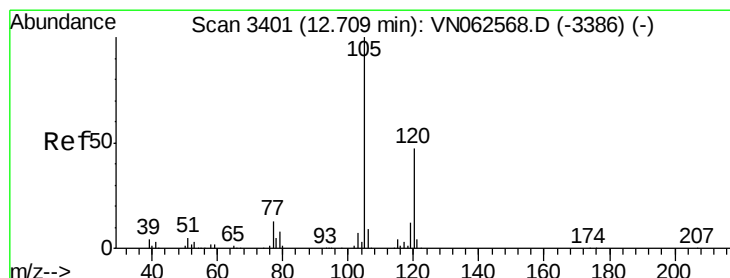
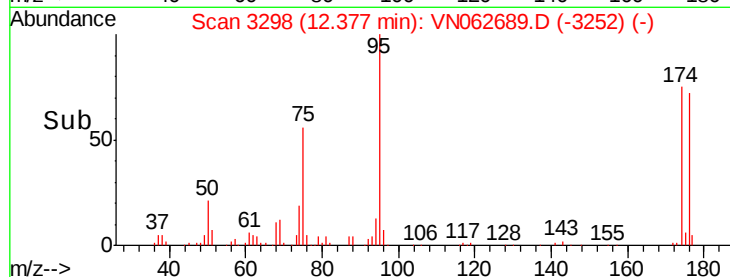
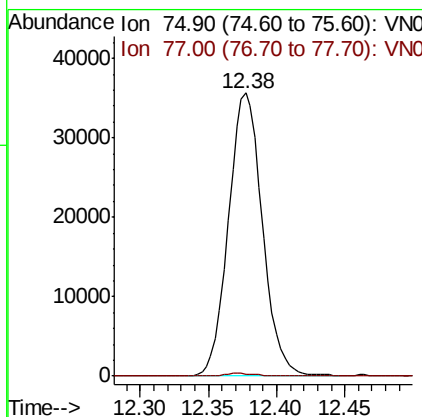
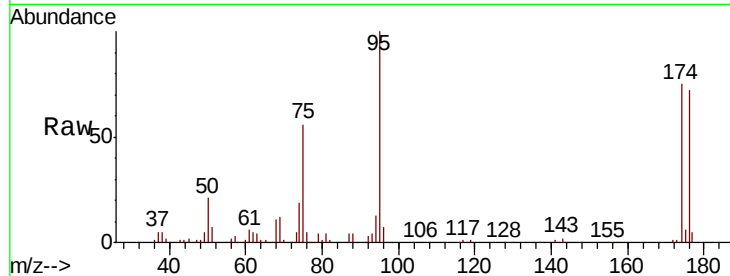




#76
 1,2,3-Trichloropropane
 Concen: 30.281 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

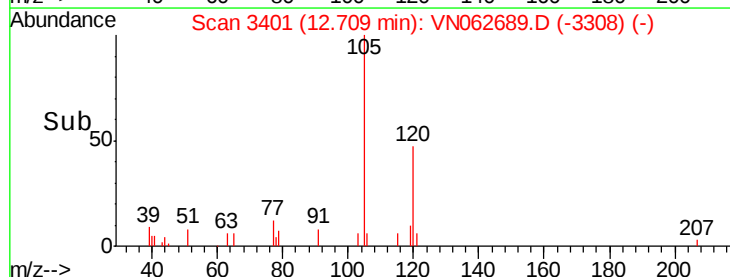
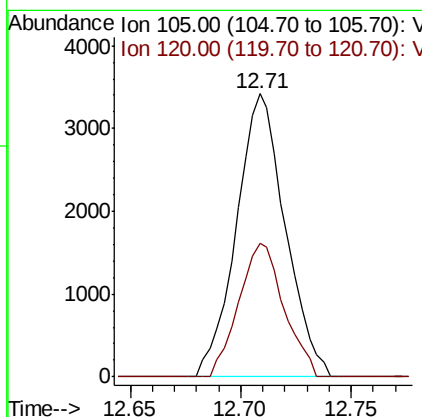
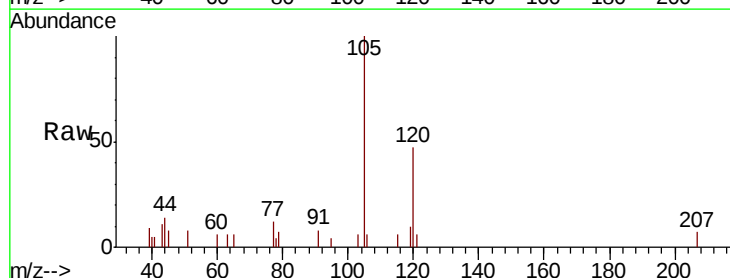
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#12

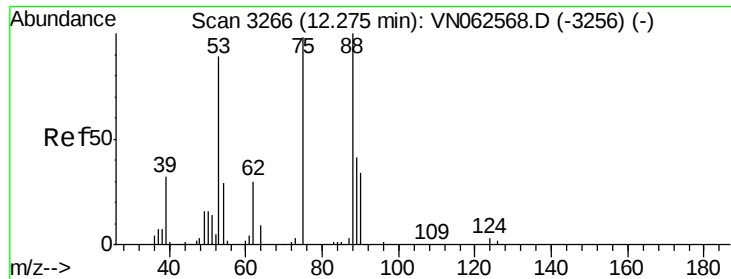
Tot Ion: 75 Resp: 61479
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.006 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062689.D
 Acq: 31 Jul 2020 16:42

Tgt Ion: 105 Resp: 5264
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 84.297 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062689.D

Acq: 31 Jul 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#12

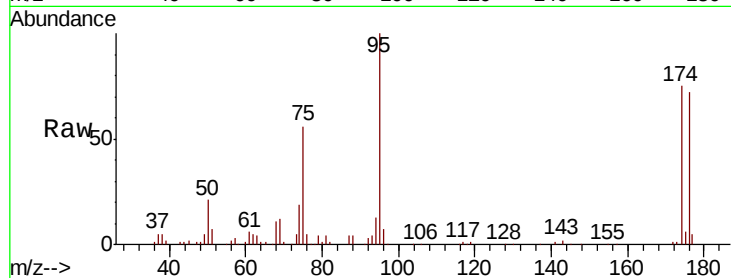
Tot Ion: 75 Resp: 61479

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

