

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062687.D
 Acq On : 31 Jul 2020 15:54
 Operator : JC/MD
 Sample : PB130640ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#10

Quant Time: Aug 01 06:06:00 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	126482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	240150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	77540	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	111970	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.55	113	79876	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.06	98	311851	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.38	95	111076	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

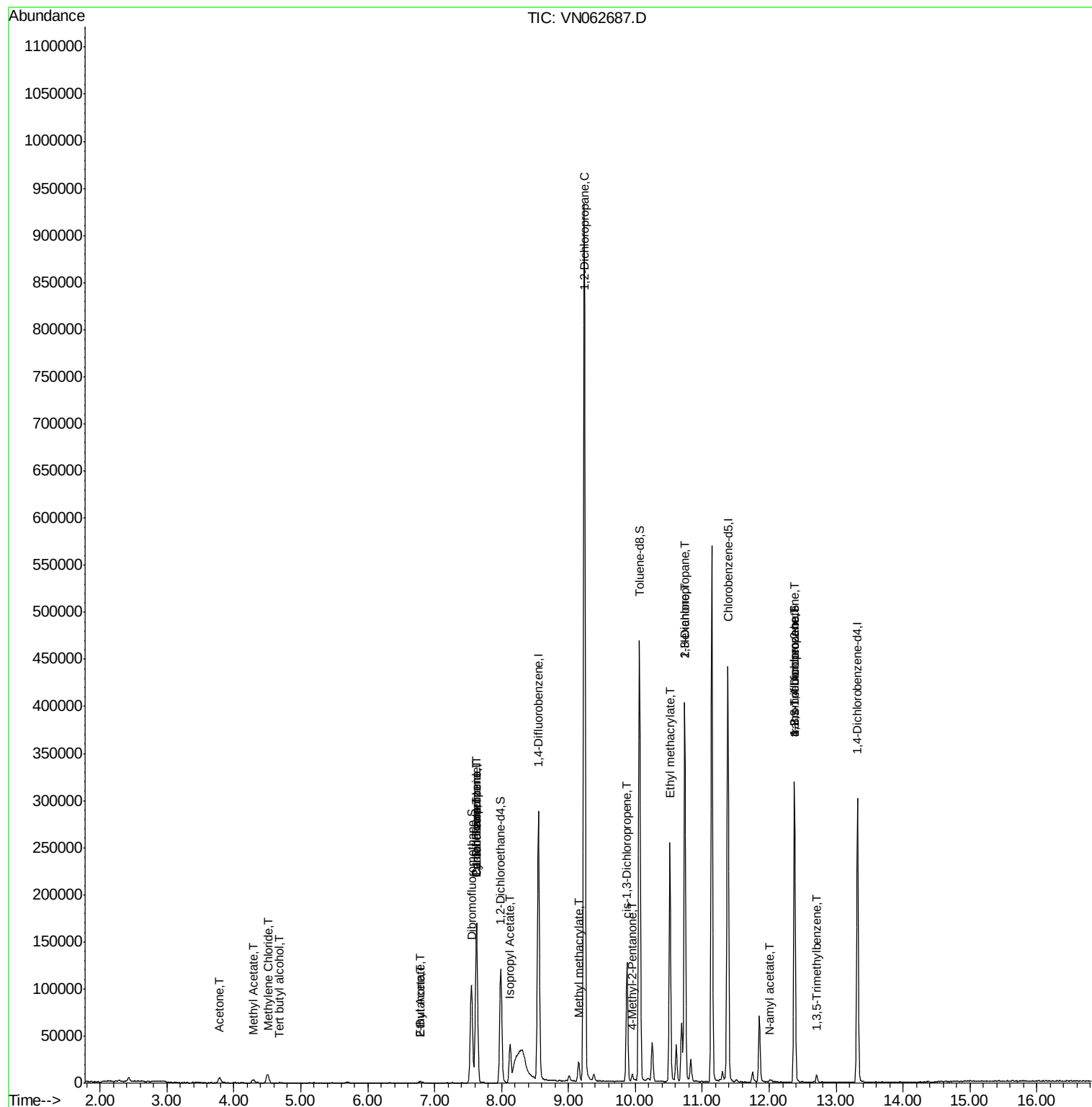
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	168	0.537	ug/l #	73
16) Acetone	3.78	43	9815	13.275	ug/l	97
18) Methyl Acetate	4.29	43	7234	3.865	ug/l	92
20) Methylene Chloride	4.51	84	6769	3.817	ug/l #	93
25) 2-Butanone	6.80	43	1528	1.357	ug/l #	52
31) Cyclohexane	7.62	56	3214	1.110	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	11506	4.495	ug/l #	52
37) Ethyl Acetate	6.80	43	1528	0.554	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14219	5.779	ug/l #	17
43) Isopropyl Acetate	8.13	43	50134	11.271	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	1077	0.495	ug/l #	44
48) Methyl methacrylate	9.15	41	3135	1.483	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	4781	1.796	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	21550	6.622	ug/l #	65
56) Ethyl methacrylate	10.51	69	978	2.070	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4064	1.271	ug/l #	42
59) 2-Hexanone	10.74	43	59297	31.426	ug/l #	52
74) N-amyl acetate	12.01	43	1641	0.599	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	61301	31.059	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4638	0.912	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	61301	86.462	ug/l #	12

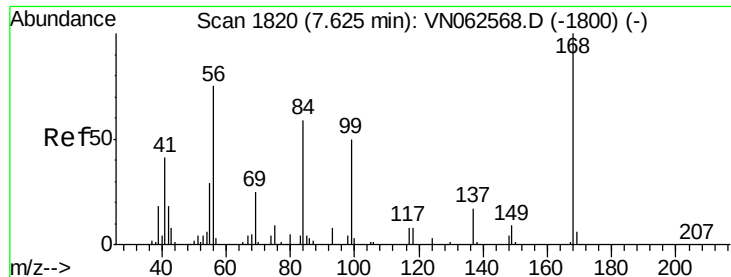
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062687.D

Acq: 31 Jul 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

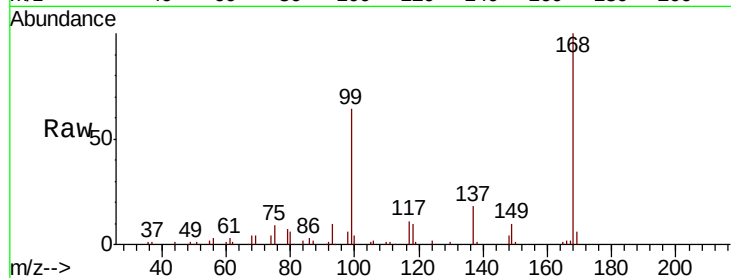
PB130640ZHE#10

Tot Ion:168 Resp: 126482

Ion Ratio Lower Upper

168 100

99 64.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

50000

40000

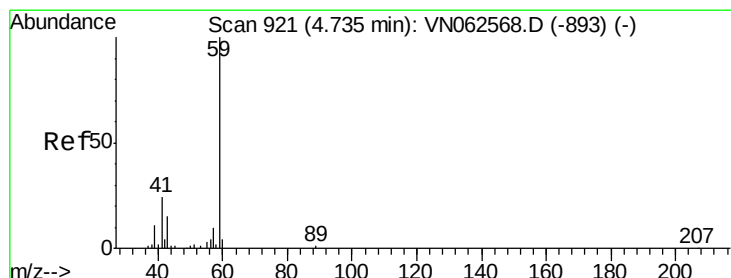
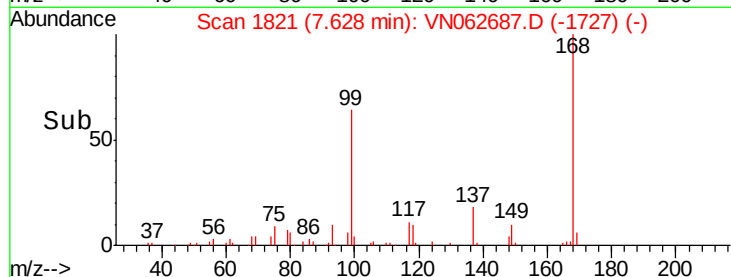
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.537 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.05 min

Lab File: VN062687.D

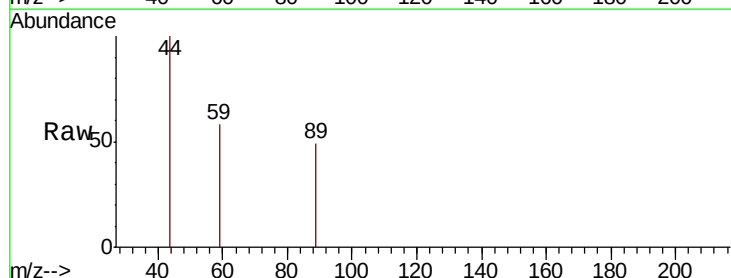
Acq: 31 Jul 2020 15:54

Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.68

200

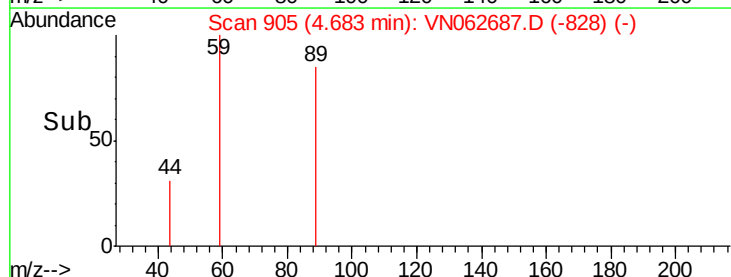
150

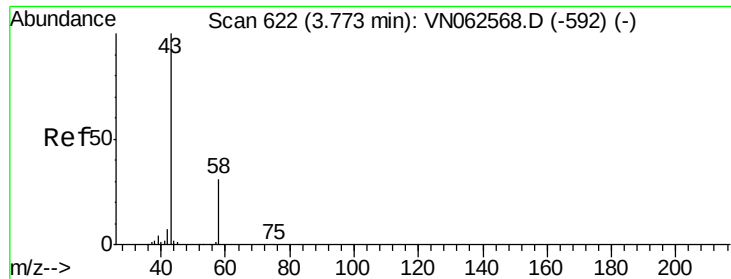
100

50

0

Time--> 4.67 4.68 4.69 4.70





#16

Acetone

Concen: 13.275 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062687.D

Acq: 31 Jul 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

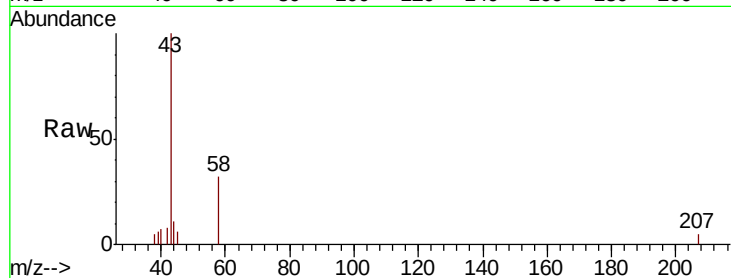
PB130640ZHE#10

Tot Ion: 43 Resp: 9815

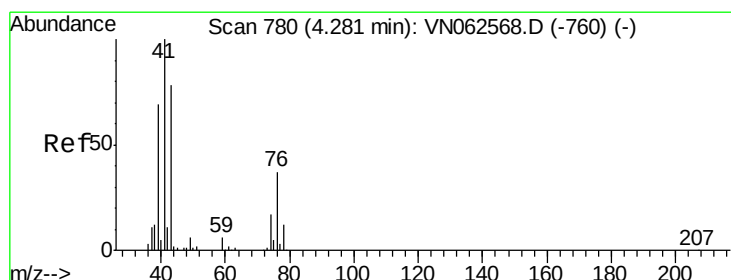
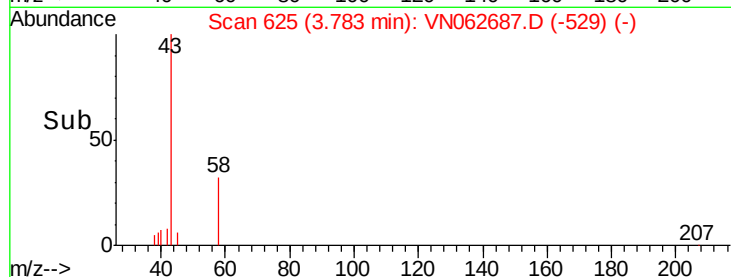
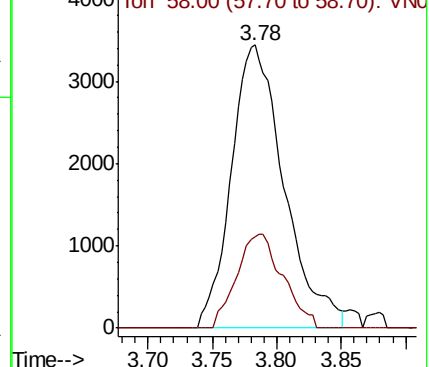
Ion Ratio Lower Upper

43 100

58 32.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062687.D (-625) (-)



#18

Methyl Acetate

Concen: 3.865 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062687.D

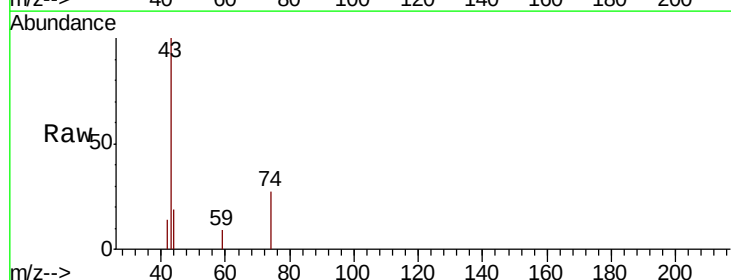
Acq: 31 Jul 2020 15:54

Tgt Ion: 43 Resp: 7234

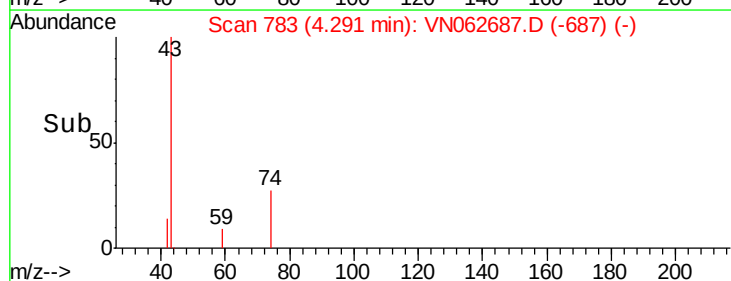
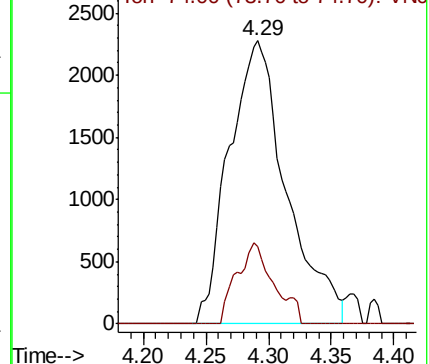
Ion Ratio Lower Upper

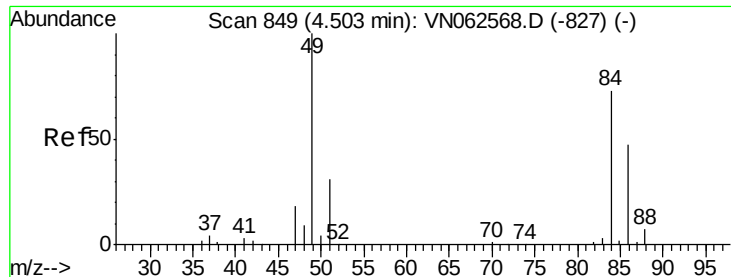
43 100

74 16.8 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN062687.D (-783) (-)

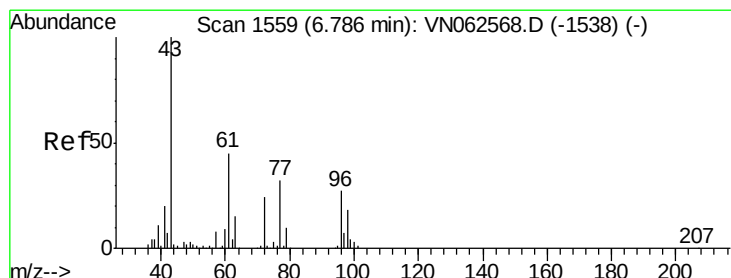
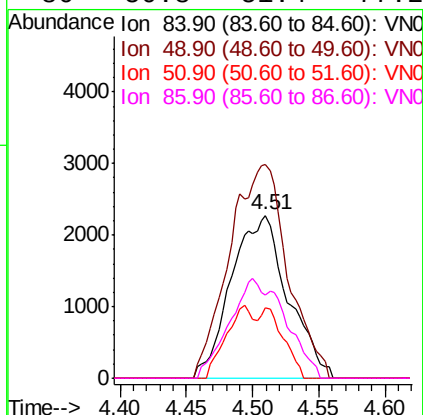
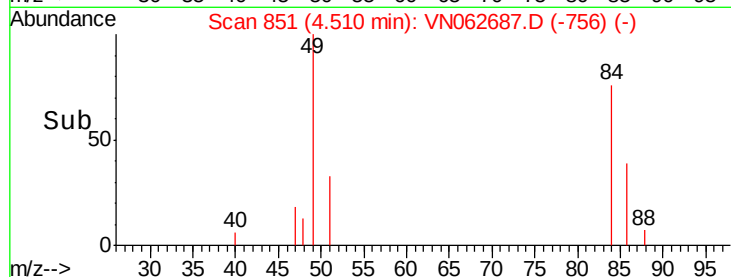
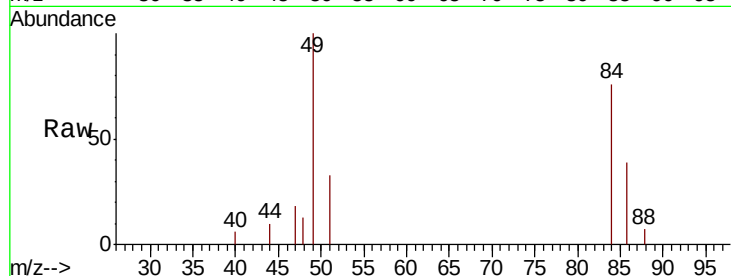




#20
Methvlene Chloride
Concen: 3.817 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

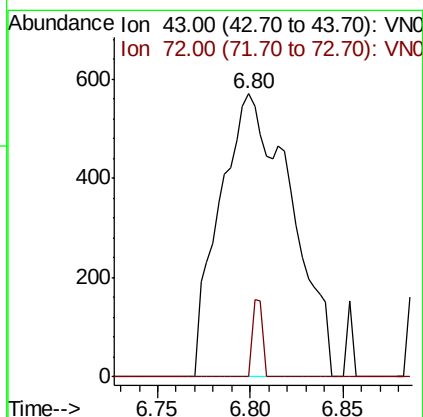
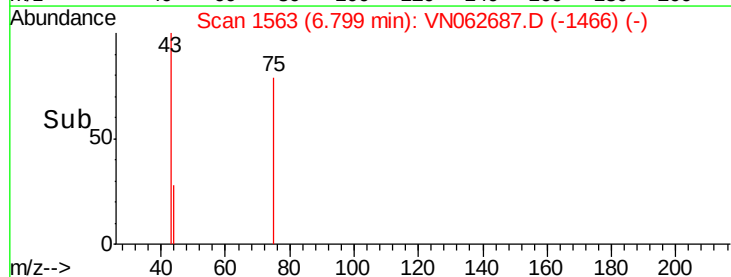
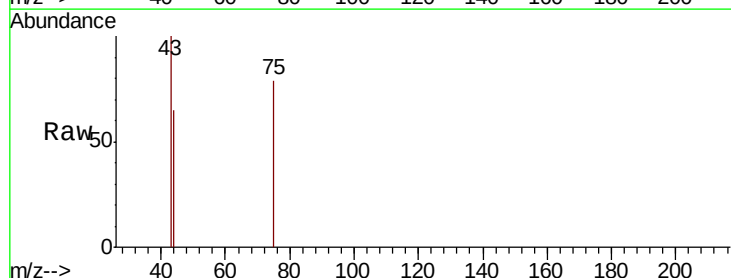
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#10

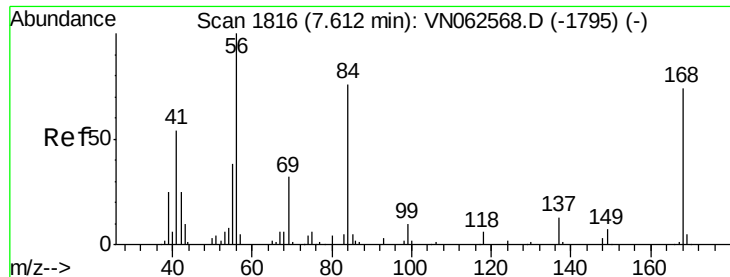
Tot Ion: 84 Resp: 6769
Ion Ratio Lower Upper
84 100
49 131.3 109.4 164.0
51 43.0 33.6 50.4
86 50.8 51.4 77.2#



#25
2-Butanone
Concen: 1.357 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#

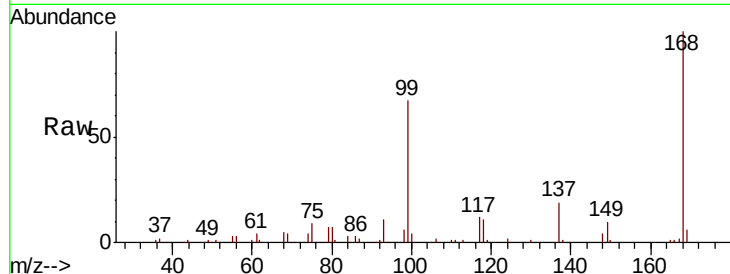




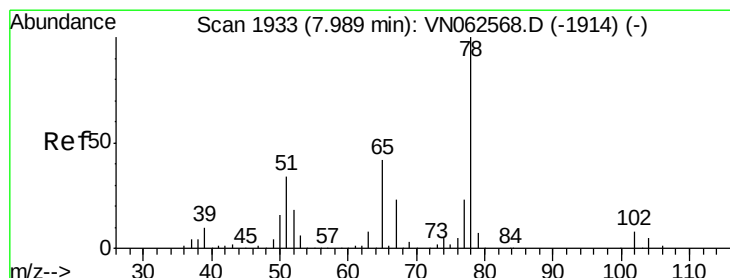
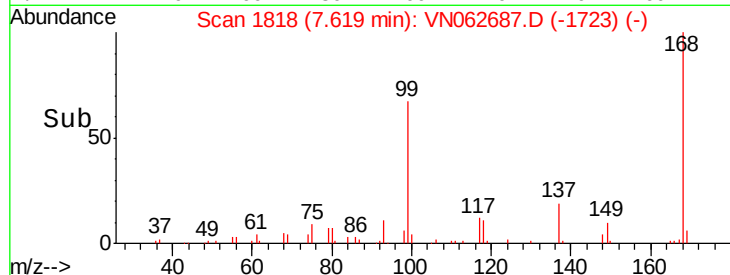
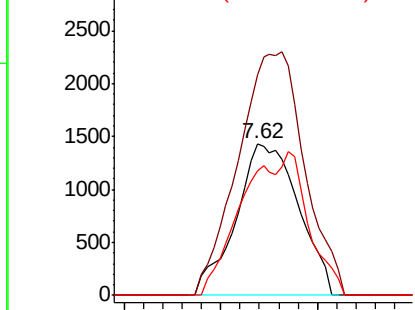
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#10

Tot Ion: 56 Resp: 3214
Ion Ratio Lower Upper
56 100
69 145.9 25.3 37.9#
84 82.5 61.0 91.4

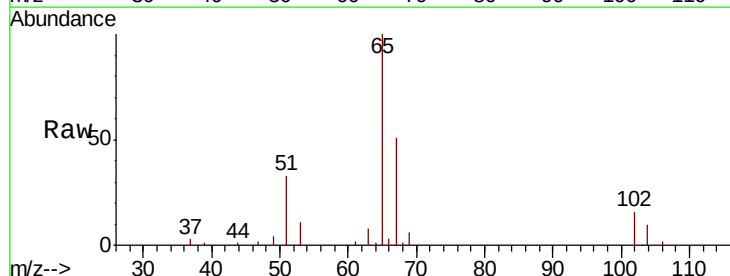


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

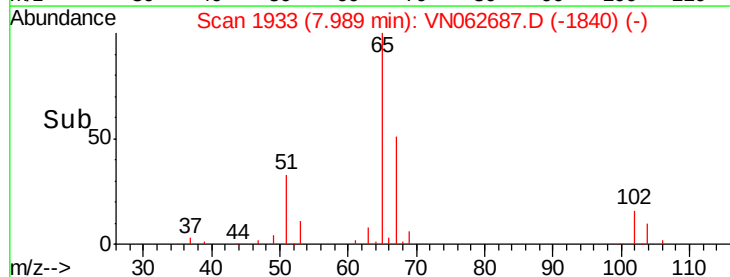
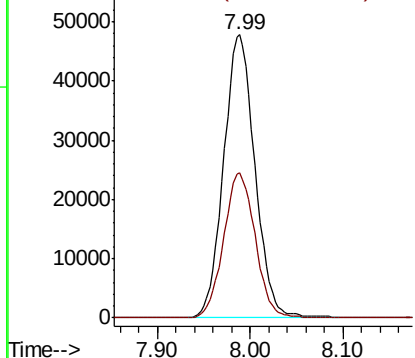


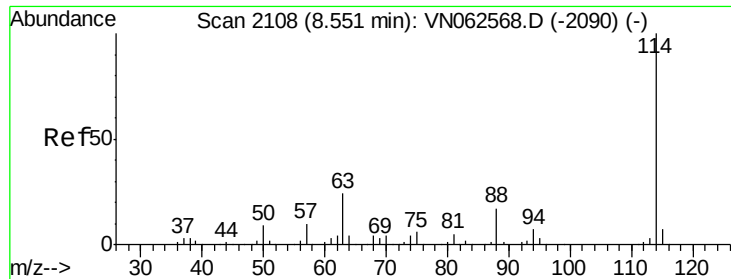
#33
1,2-Dichloroethane-d4
Concen: 56.987 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

Tgt Ion: 65 Resp: 111970
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0



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

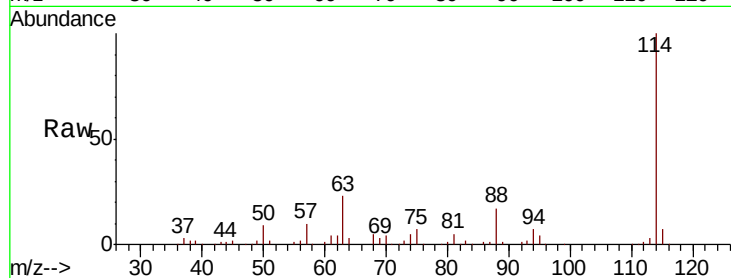




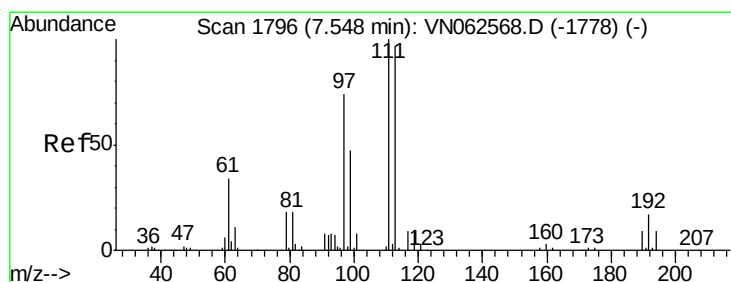
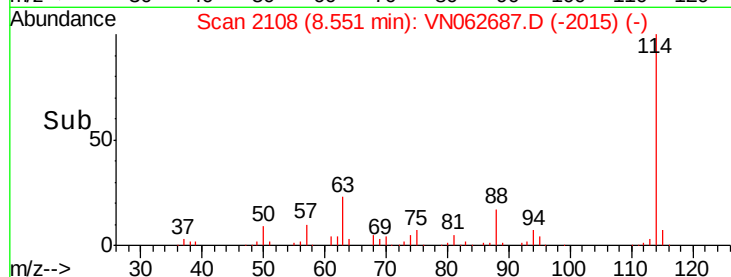
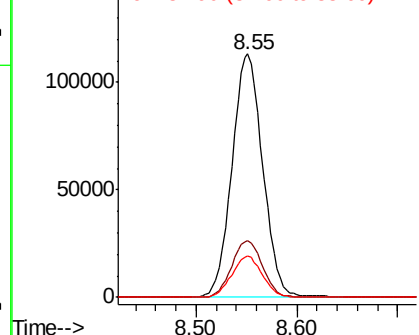
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Instrument :
 MSVOA_N
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 PB130640ZHE#10

Tot Ion:114 Resp: 240150
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.4
 88 17.1 0.0 33.8

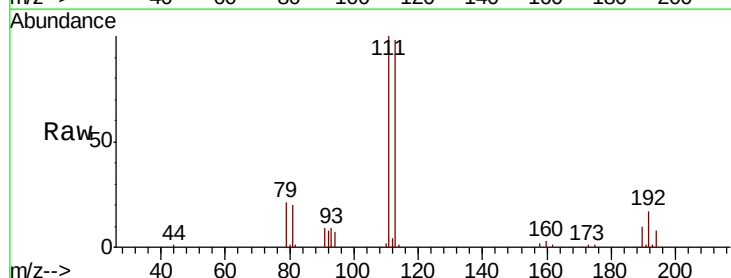


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

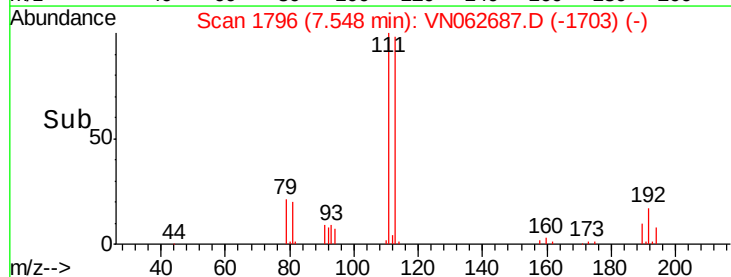
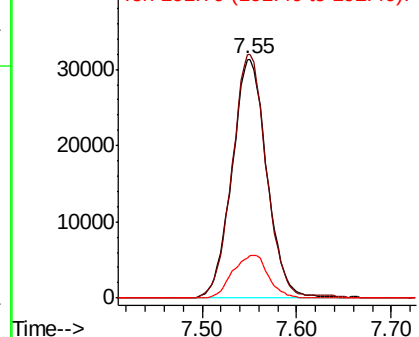


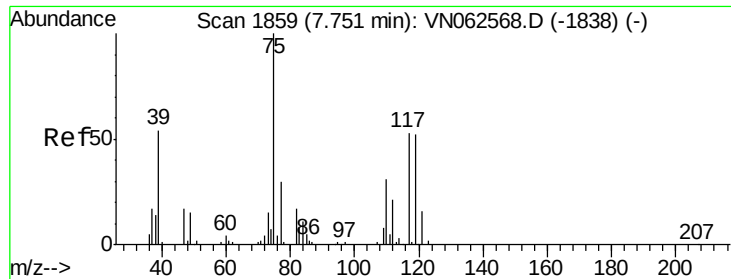
#35
 Dibromofluoromethane
 Concen: 50.636 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Tgt Ion:113 Resp: 79876
 Ion Ratio Lower Upper
 113 100
 111 100.1 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

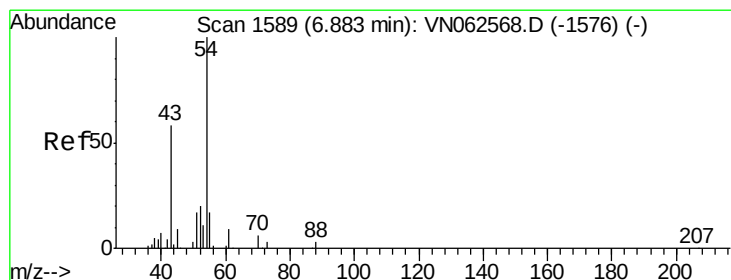
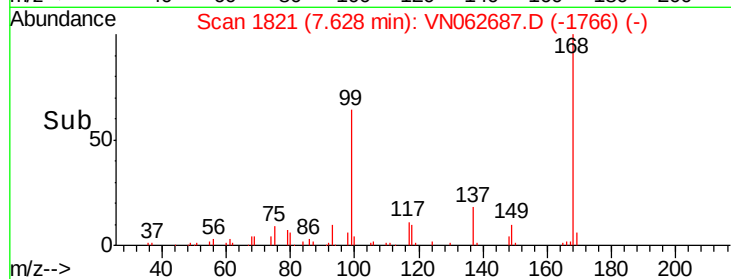
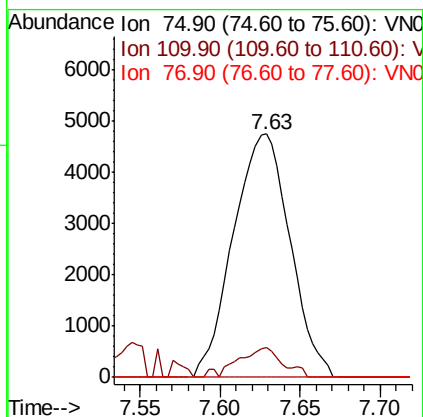
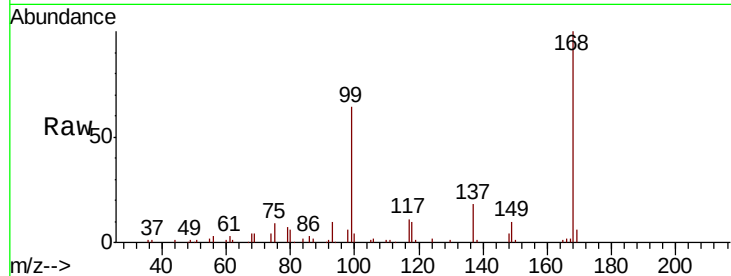




#36
 1,1-Dichloropropene
 Concen: 4.495 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

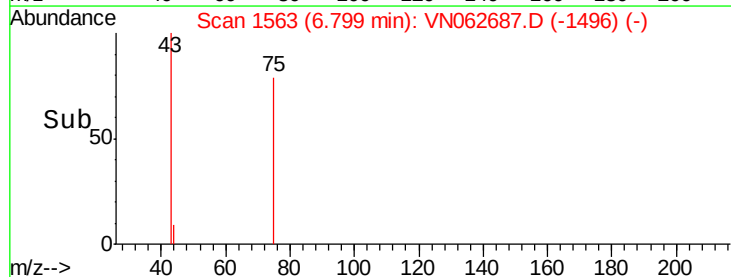
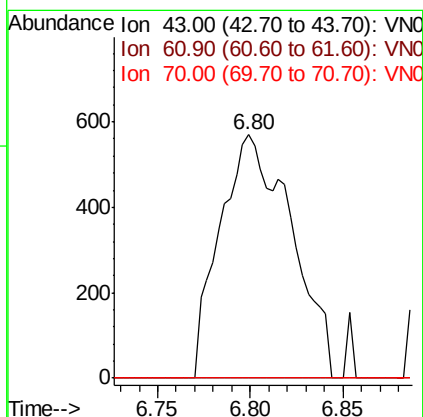
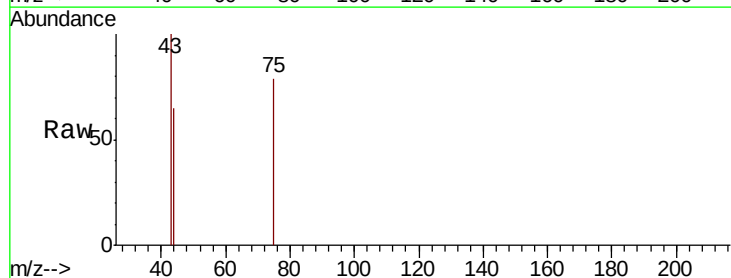
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#10

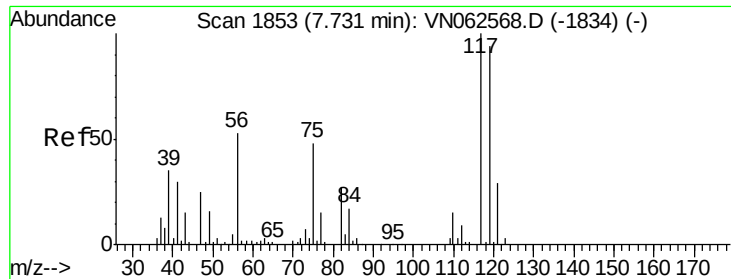
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.554 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.08 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

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: 5.779 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062687.D

Acq: 31 Jul 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#10

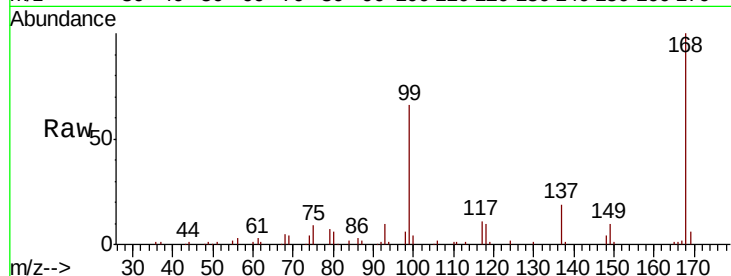
Tot Ion:117 Resp: 14219

Ion Ratio Lower Upper

117 100

119 5.5 74.8 112.2#

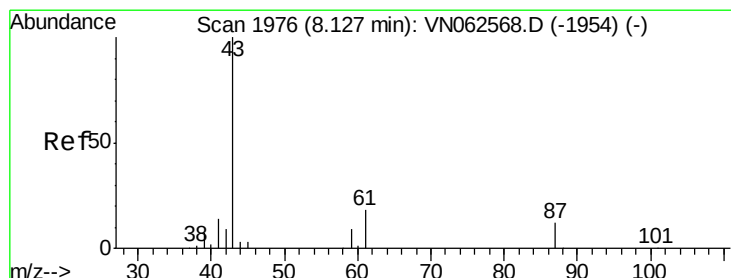
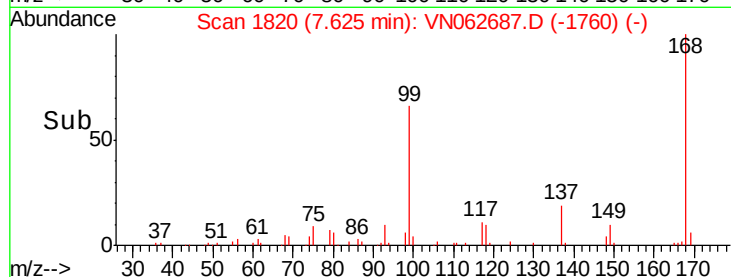
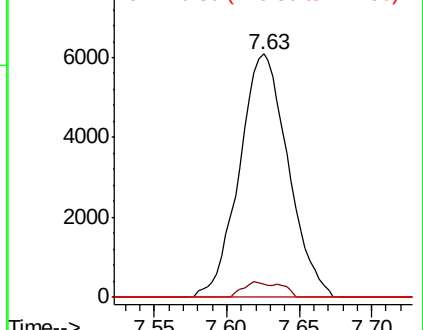
121 0.0 23.0 34.6#



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: 11.271 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062687.D

Acq: 31 Jul 2020 15:54

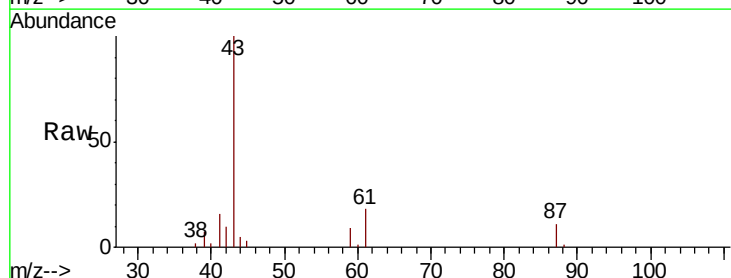
Tgt Ion: 43 Resp: 50134

Ion Ratio Lower Upper

43 100

61 18.3 20.8 31.2#

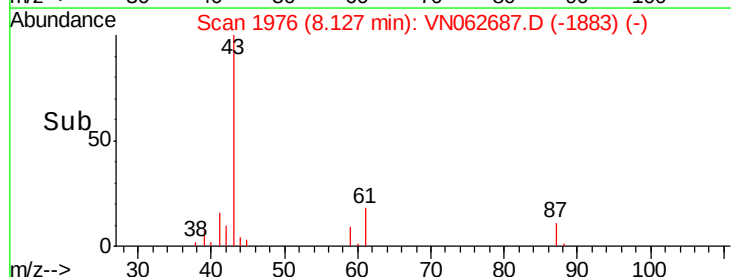
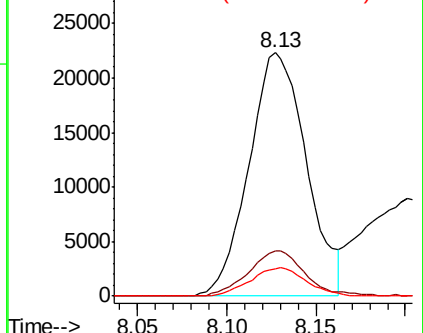
87 11.3 9.2 13.8

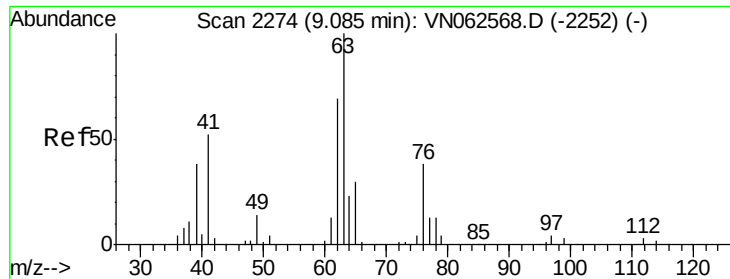


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

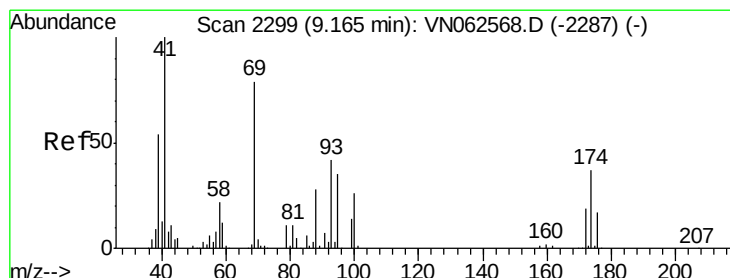
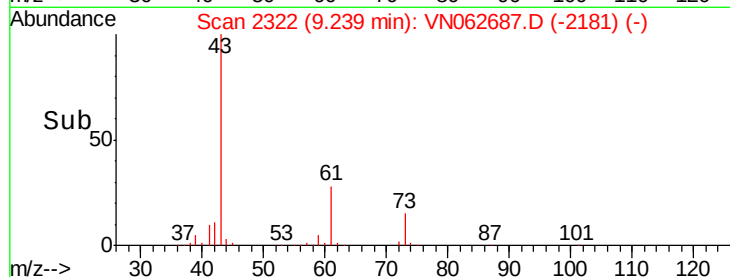
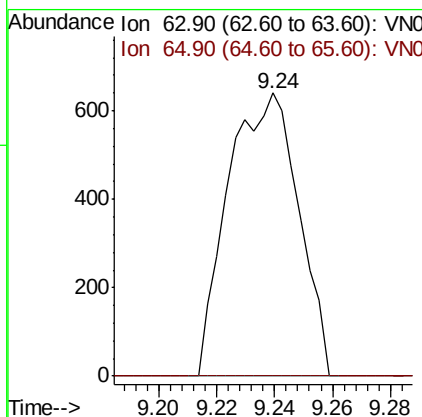
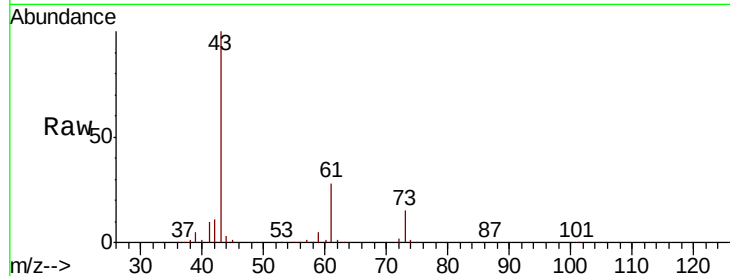




#45
 1,2-Dichloropropane
 Concen: 0.495 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

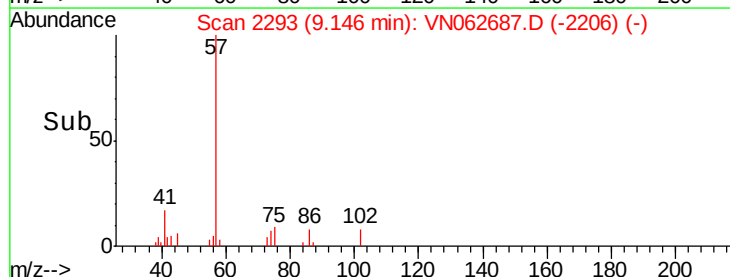
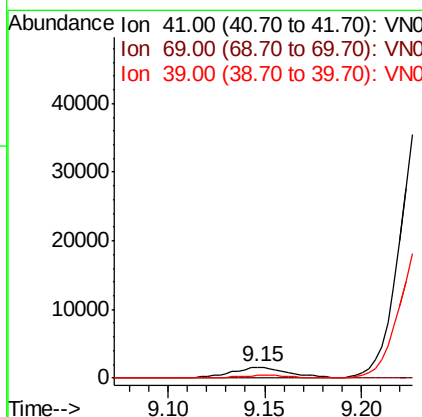
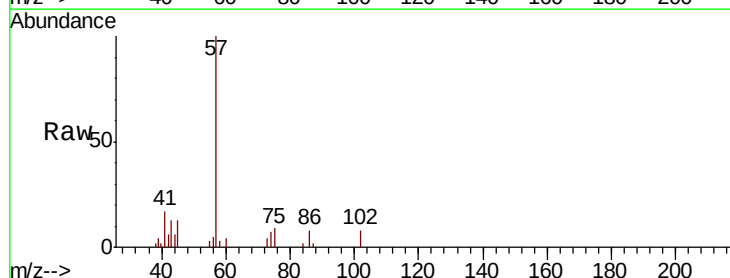
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#10

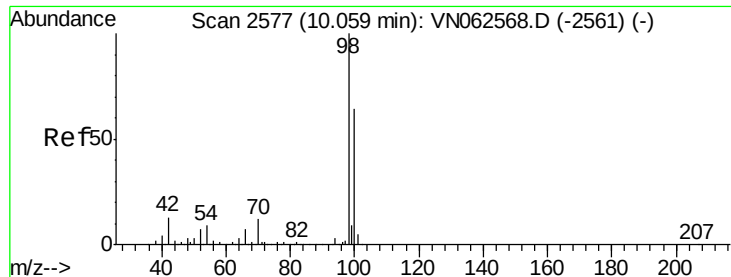
Tot Ion: 63 Resp: 1077
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.483 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Tgt Ion: 41 Resp: 3135
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#

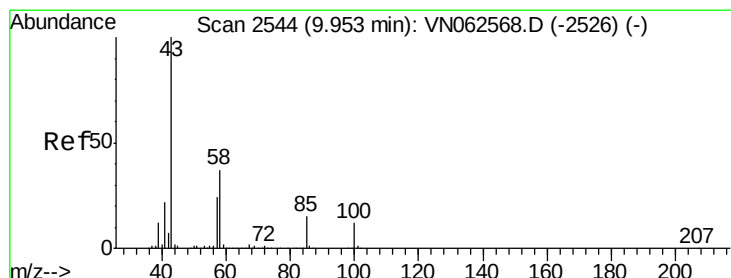
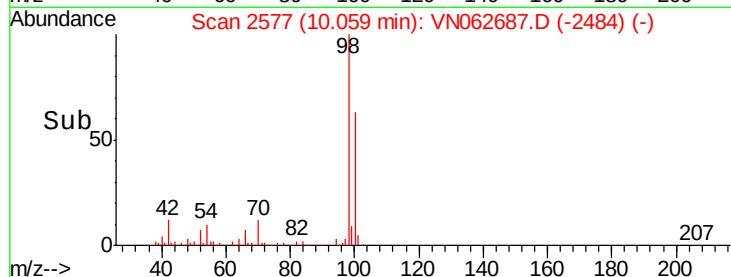
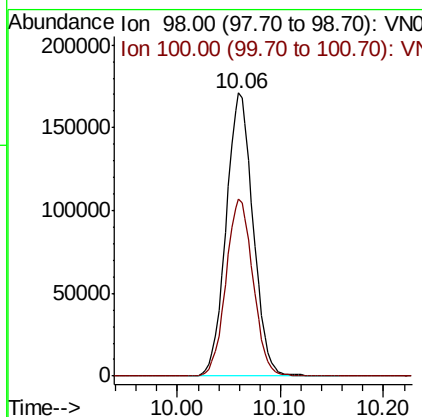
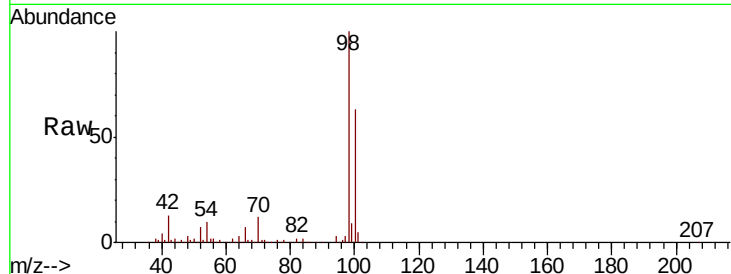




#50
Toluene-d8
Concen: 49.548 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

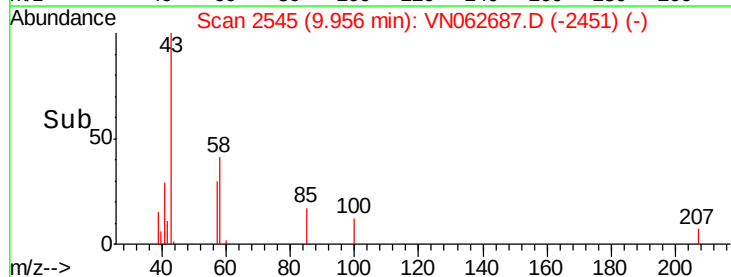
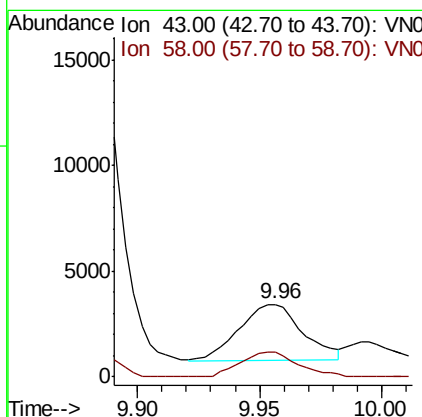
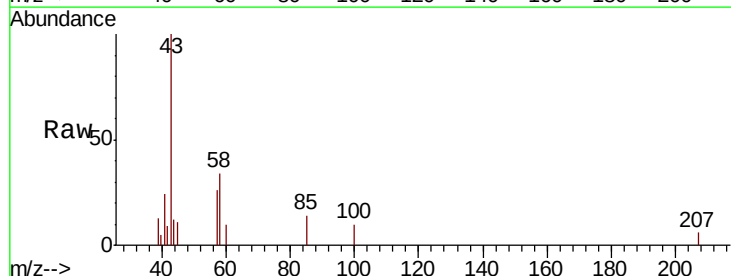
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#10

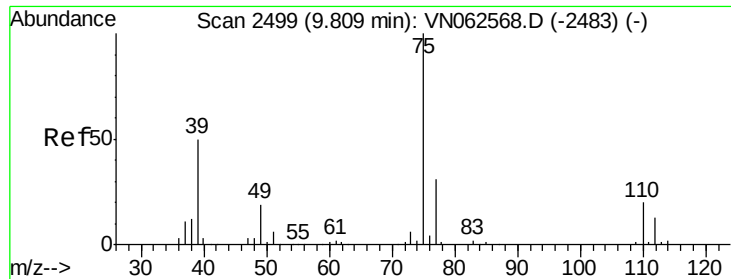
Tot Ion: 98 Resp: 311851
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.796 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

Tgt Ion: 43 Resp: 4781
Ion Ratio Lower Upper
43 100
58 40.3 29.8 44.6



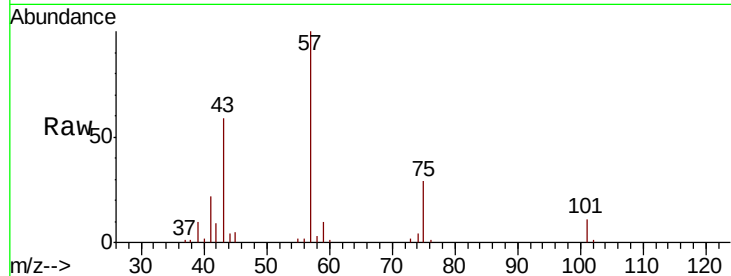


#54

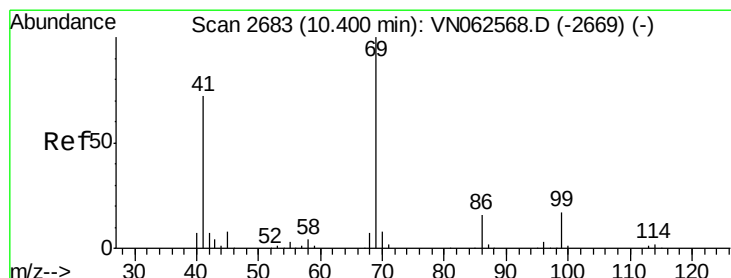
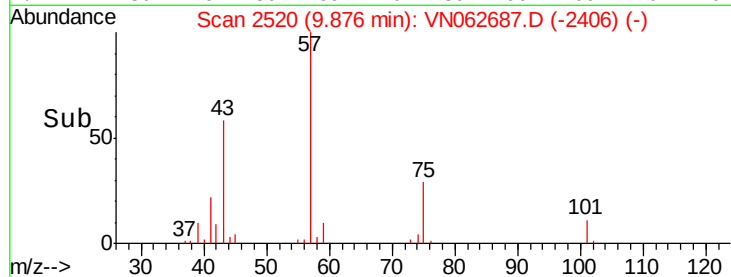
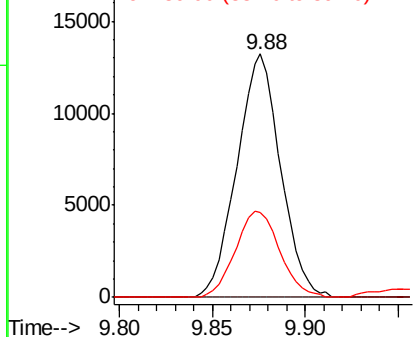
cis-1,3-Dichloropropene
 Concen: 6.622 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#10

Tot Ion: 75 Resp: 21550
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.1 39.8 59.8#



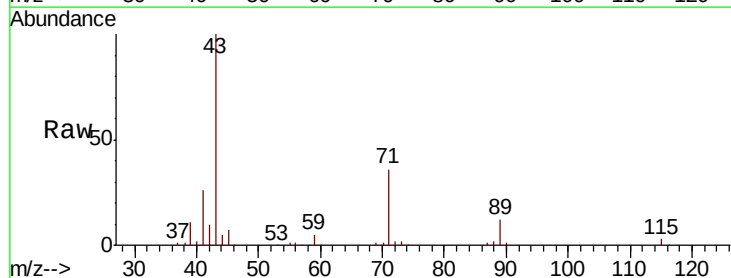
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



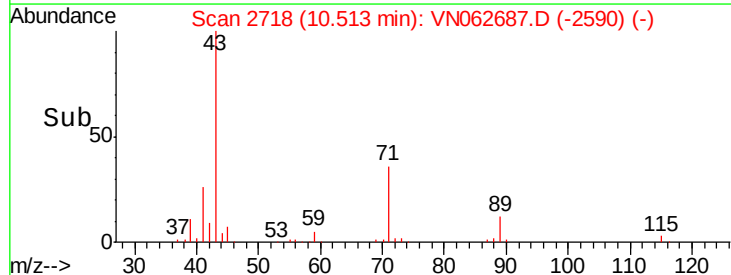
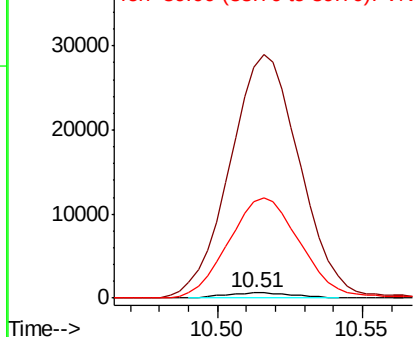
#56

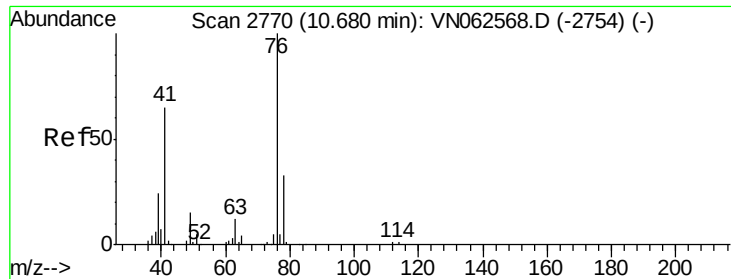
Ethyl methacrylate
 Concen: 2.070 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Tgt Ion: 69 Resp: 978
 Ion Ratio Lower Upper
 69 100
 41 4998.5 57.2 85.8#
 39 2099.0 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

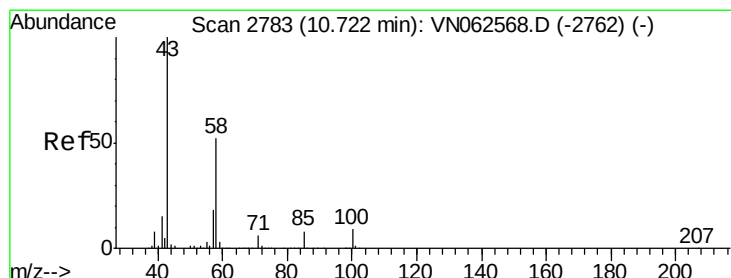
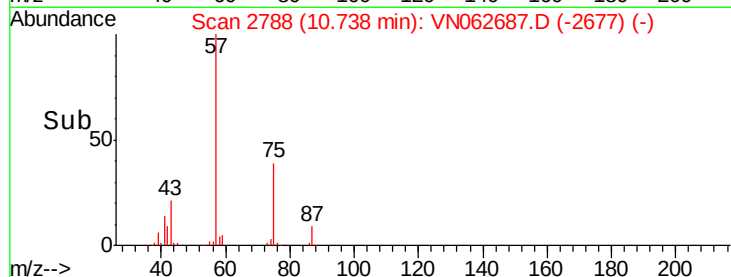
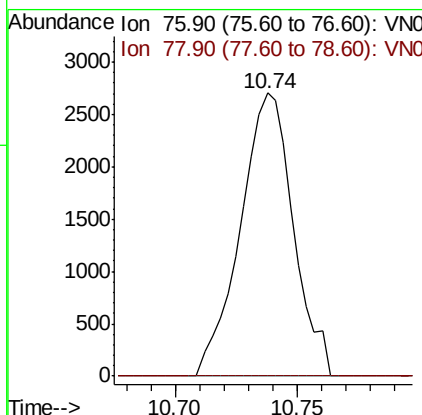
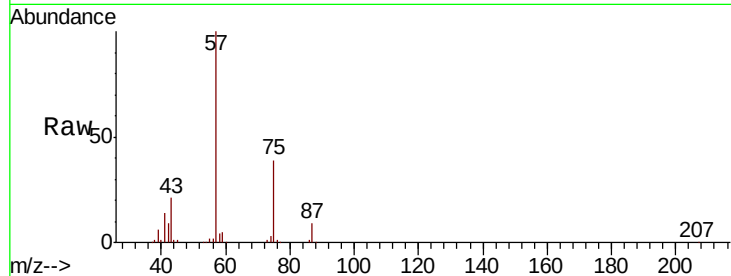




#57
 1,3-Dichloropropane
 Concen: 1.271 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

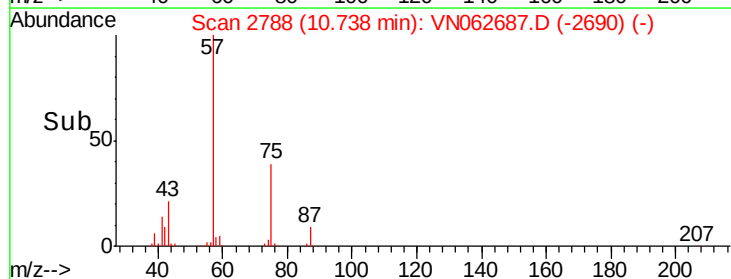
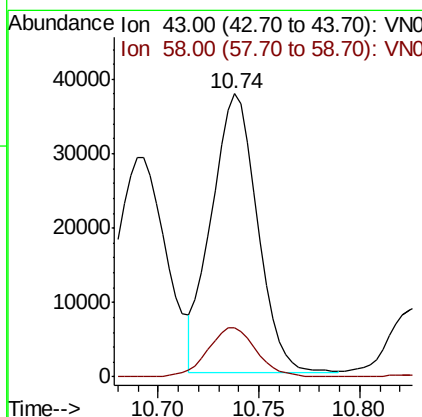
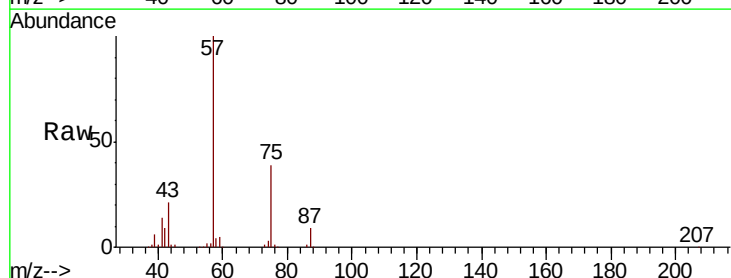
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#10

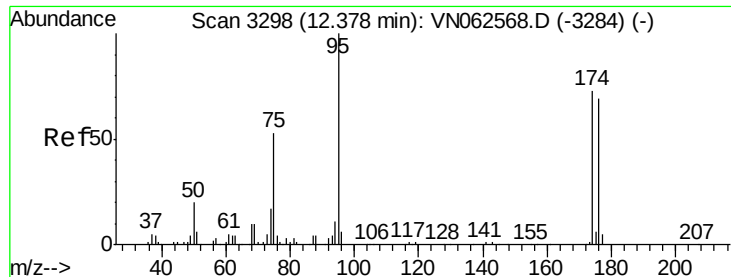
Tot Ion: 76 Resp: 4064
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 31.426 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Tgt Ion: 43 Resp: 59297
 Ion Ratio Lower Upper
 43 100
 58 18.5 26.0 78.0#

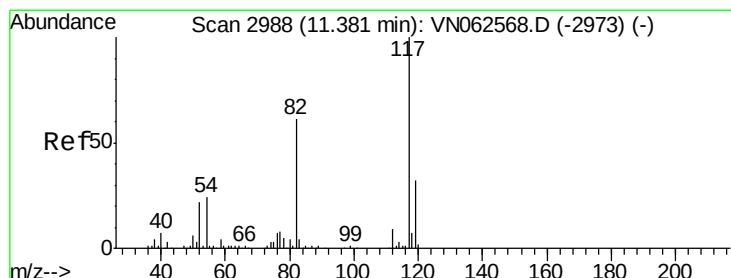
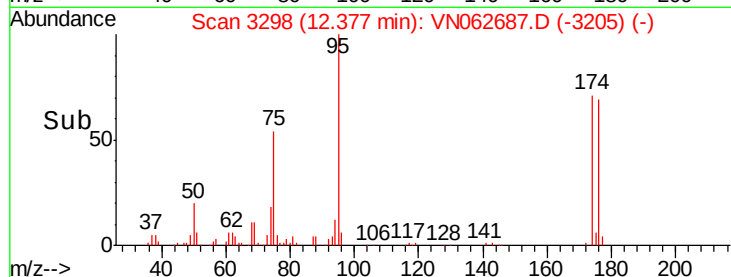
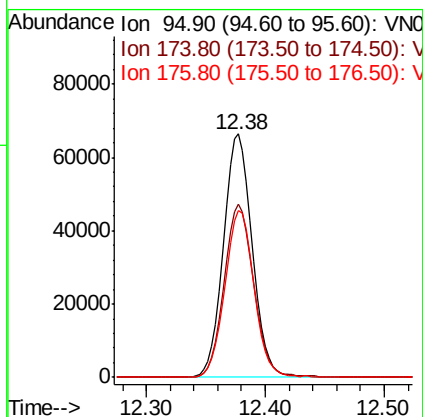
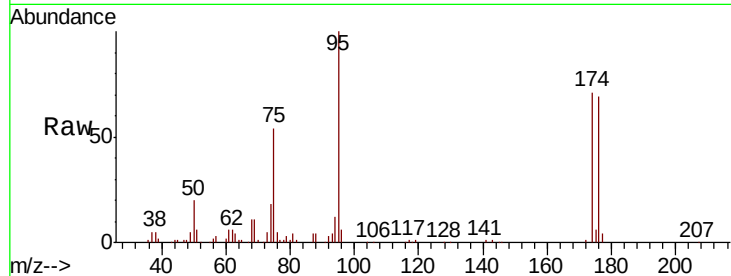




#62
4-Bromofluorobenzene
Concen: 48.266 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

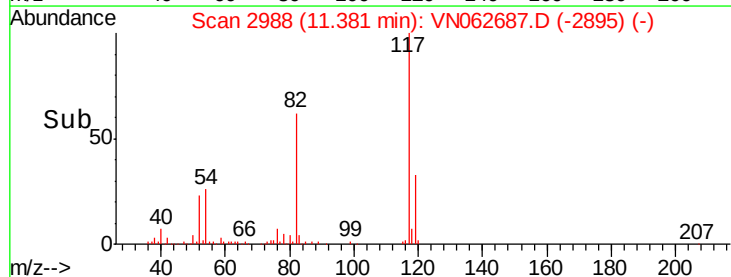
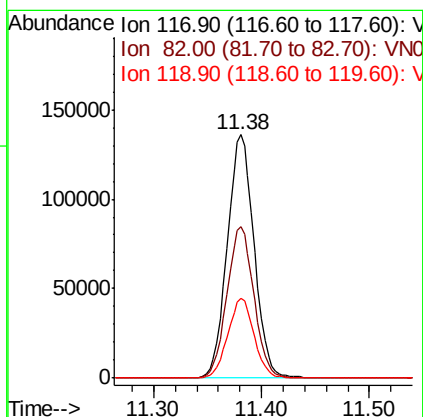
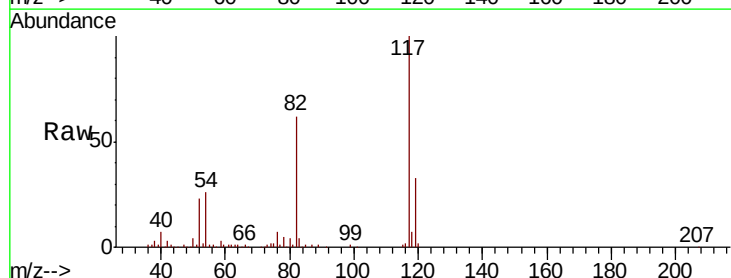
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#10

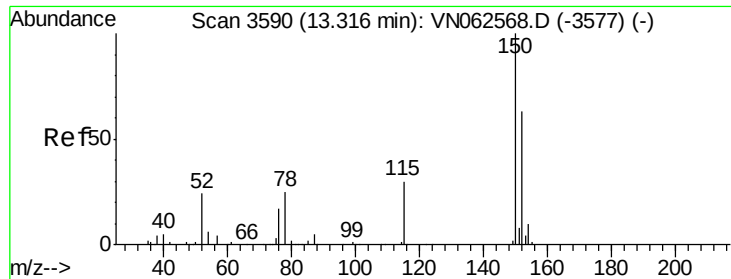
Tot Ion: 95 Resp: 111076
Ion Ratio Lower Upper
95 100
174 73.1 0.0 144.6
176 69.7 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062687.D
Acq: 31 Jul 2020 15:54

Tgt Ion: 117 Resp: 235599
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: VN062687.D

Acq: 31 Jul 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#10

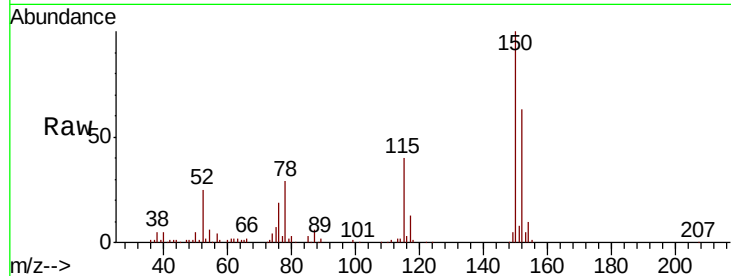
Tot Ion:152 Resp: 77540

Ion Ratio Lower Upper

152 100

115 65.4 31.8 95.4

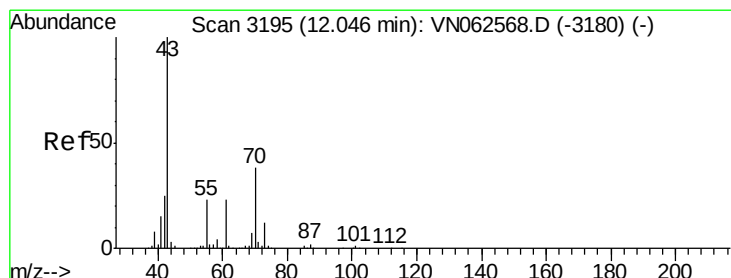
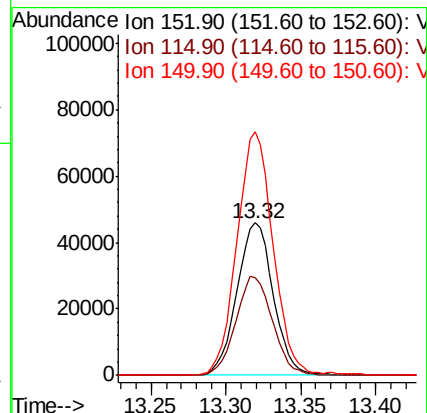
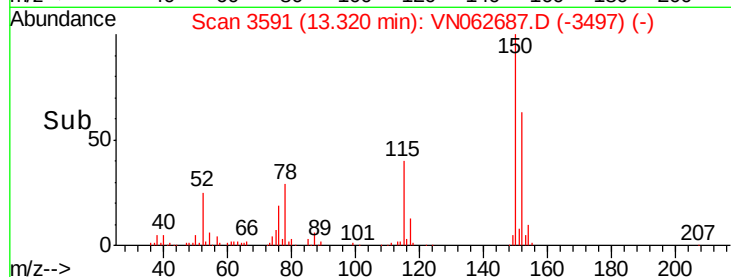
150 159.8 0.0 351.4



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: 0.599 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062687.D

Acq: 31 Jul 2020 15:54

Tgt Ion: 43 Resp: 1641

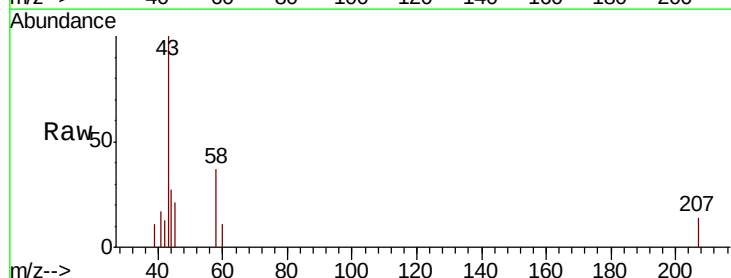
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

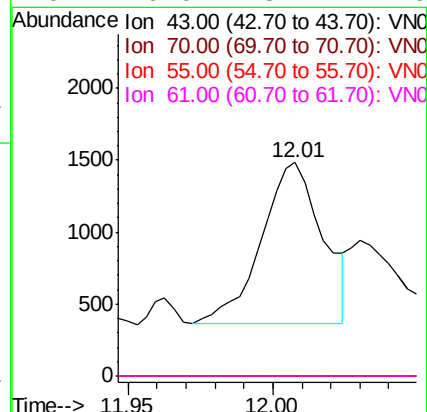
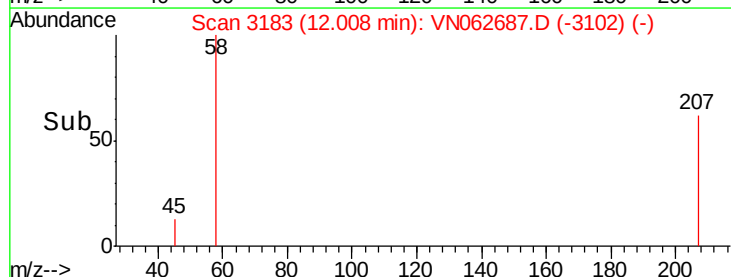


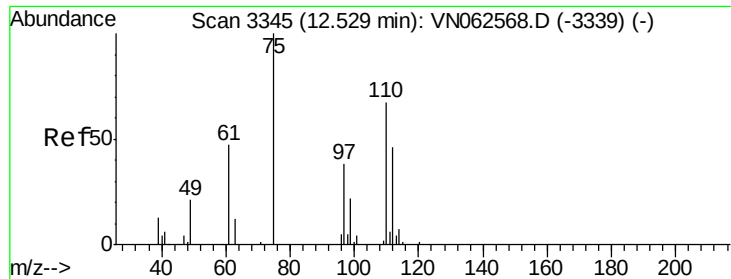
Abundance Ion 43.00 (42.70 to 43.70): V

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

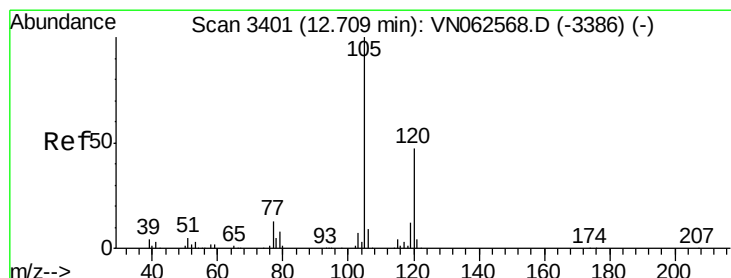
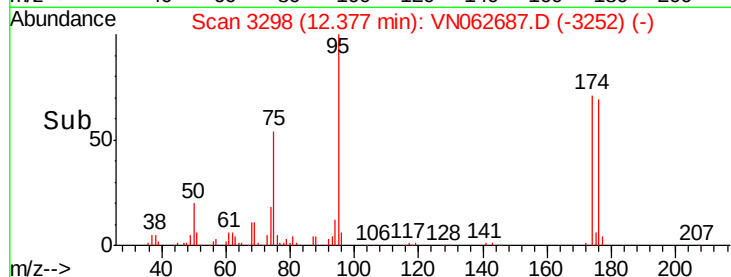
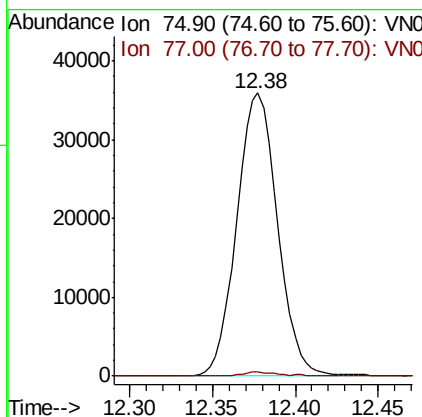
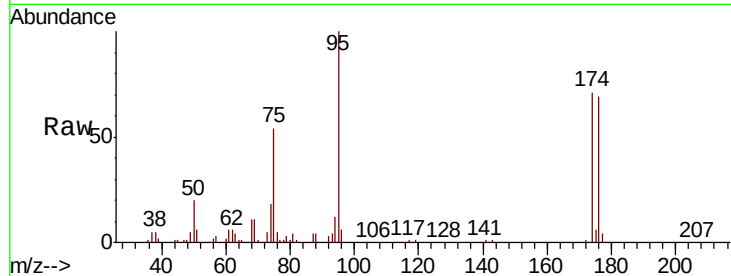




#76
 1,2,3-Trichloropropane
 Concen: 31.059 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

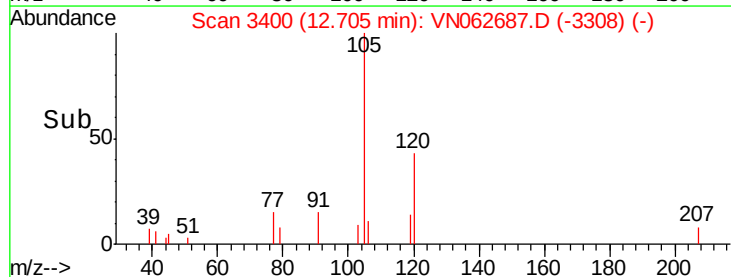
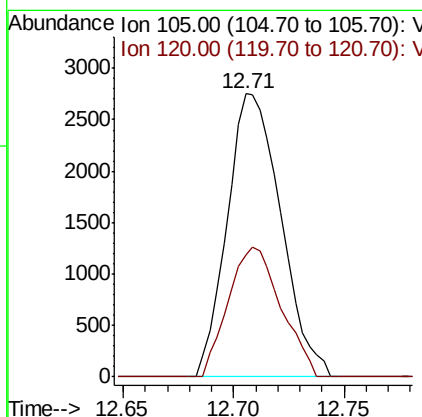
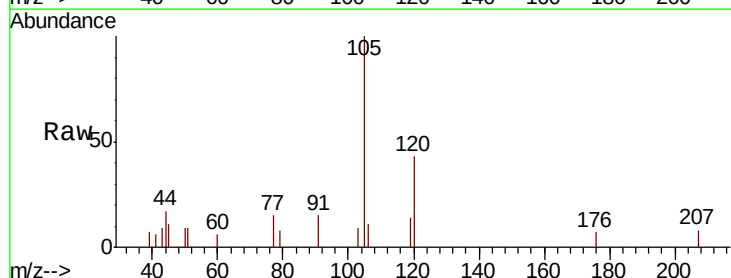
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#10

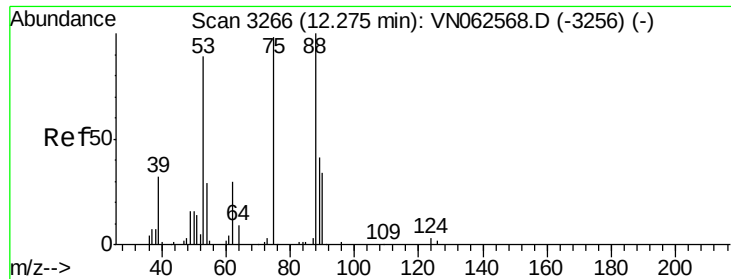
Tot Ion: 75 Resp: 61301
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.912 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN062687.D
 Acq: 31 Jul 2020 15:54

Tgt Ion: 105 Resp: 4638
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 86.462 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062687.D

Acq: 31 Jul 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#10

Tot Ion: 75 Resp: 61301

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

