

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062684.D
 Acq On : 31 Jul 2020 14:41
 Operator : JC/MD
 Sample : PB130640ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#07

Quant Time: Aug 01 06:05:08 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	128677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	241739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87910	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	114164	57.11	ug/l	0.00
Spiked Amount			Recovery	=	114.22%	
35) Dibromofluoromethane	7.55	113	79968	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.06	98	321372	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.38	95	115170	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

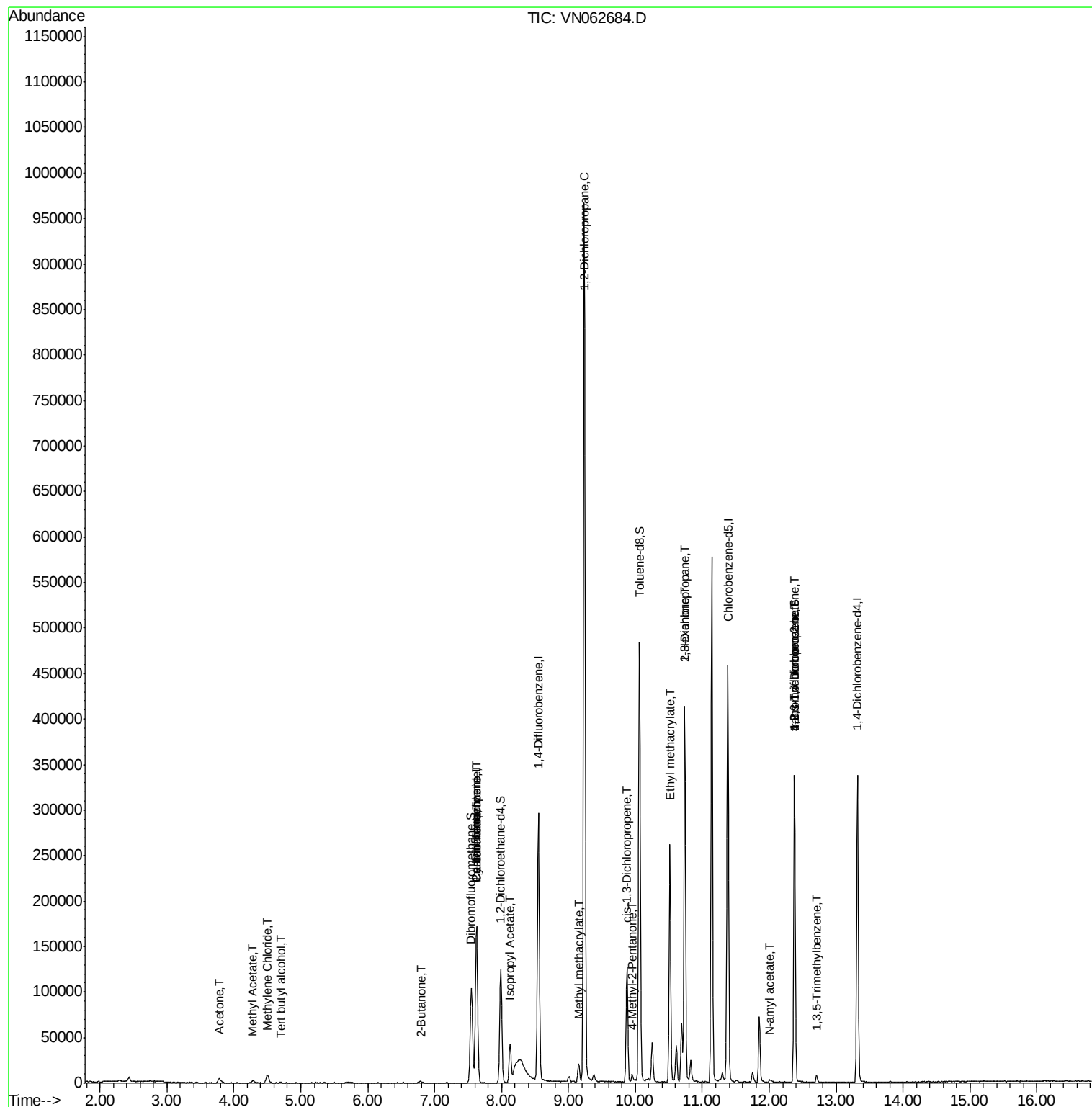
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	267	0.840	ug/l #	73
16) Acetone	3.78	43	8734	11.611	ug/l	92
18) Methyl Acetate	4.28	43	5333	2.801	ug/l #	66
20) Methylene Chloride	4.50	84	6032	3.343	ug/l	95
25) 2-Butanone	6.81	43	1469	1.282	ug/l #	52
31) Cyclohexane	7.63	56	3248	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11629	4.513	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13956	5.635	ug/l #	18
43) Isopropyl Acetate	8.13	43	50939	11.376	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	1104	0.504	ug/l #	44
48) Methyl methacrylate	9.15	41	3034	1.425	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	6004	2.241	ug/l #	87
54) cis-1,3-Dichloropropene	9.88	75	21550	6.578	ug/l #	63
56) Ethyl methacrylate	10.52	69	1279	2.160	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3902	1.212	ug/l #	42
59) 2-Hexanone	10.74	43	59814	31.486	ug/l #	53
74) N-amyl acetate	12.01	43	2127	0.685	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	65035	29.064	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	5118	0.888	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.38	75	65035	80.908	ug/l #	12

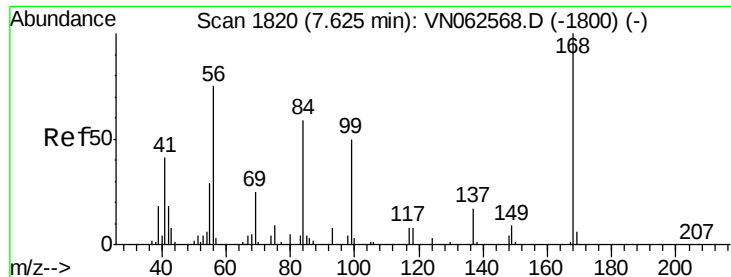
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 21 18:48:59 2020
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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: VN062684.D

Acq: 31 Jul 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

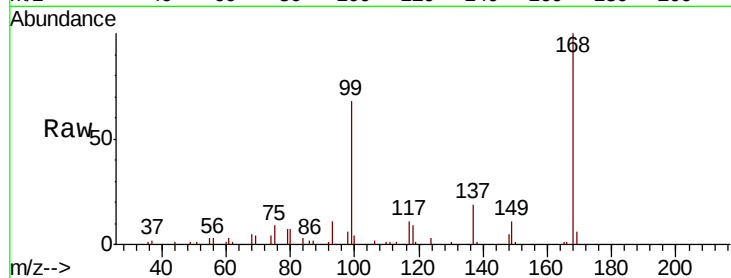
PB130640ZHE#07

Tot Ion:168 Resp: 128677

Ion Ratio Lower Upper

168 100

99 67.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

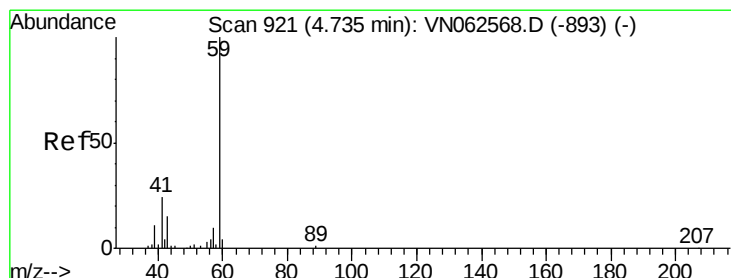
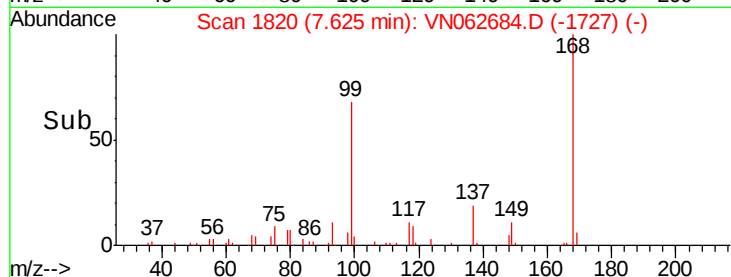
20000

10000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#11

Tert butyl alcohol

Concen: 0.840 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.03 min

Lab File: VN062684.D

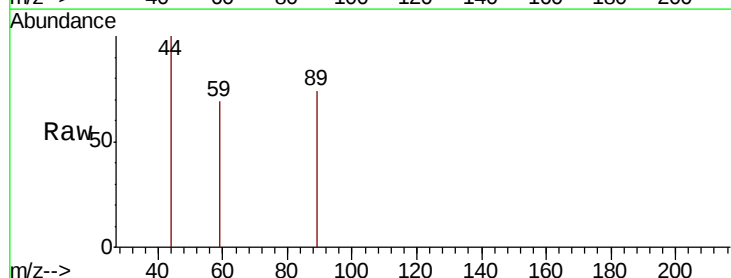
Acq: 31 Jul 2020 14:41

Tgt Ion: 59 Resp: 267

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

250

200

150

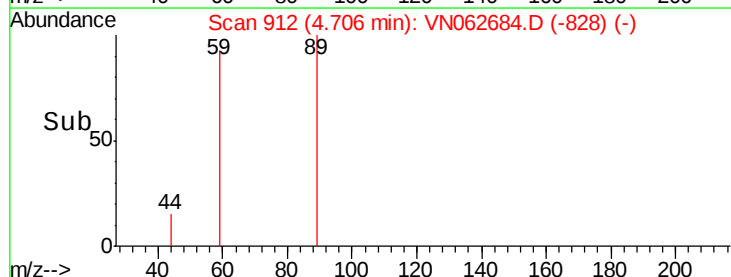
100

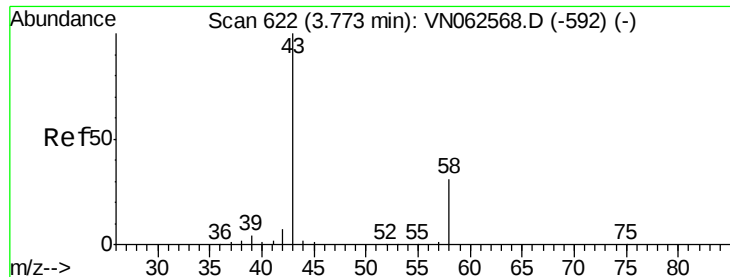
50

0

4.70 4.72

Time-->





#16

Acetone

Concen: 11.611 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062684.D

Acq: 31 Jul 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

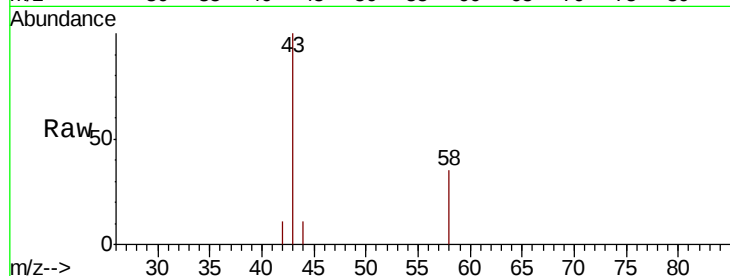
PB130640ZHE#07

Tot Ion: 43 Resp: 8734

Ion Ratio Lower Upper

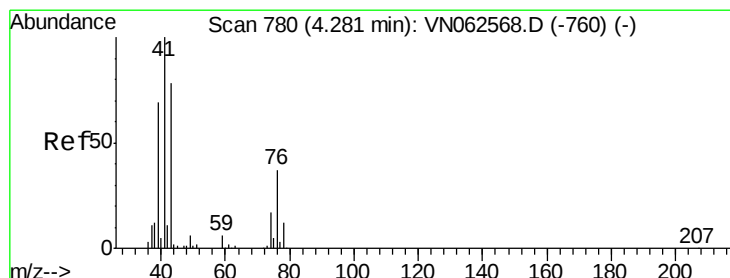
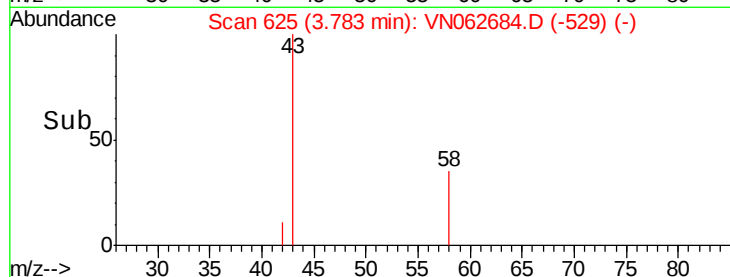
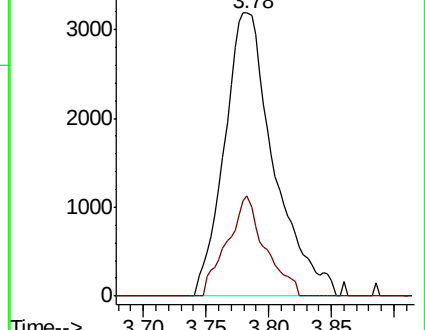
43 100

58 35.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062684.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062684.D (-529) (-)



#18

Methyl Acetate

Concen: 2.801 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062684.D

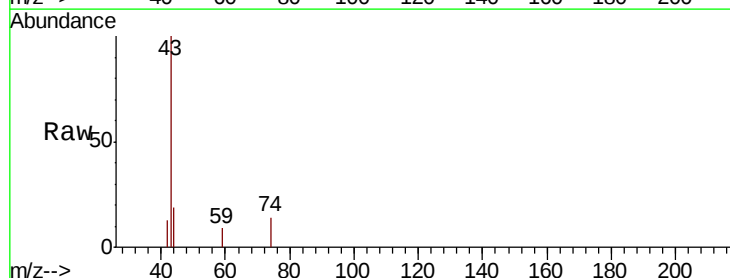
Acq: 31 Jul 2020 14:41

Tgt Ion: 43 Resp: 5333

Ion Ratio Lower Upper

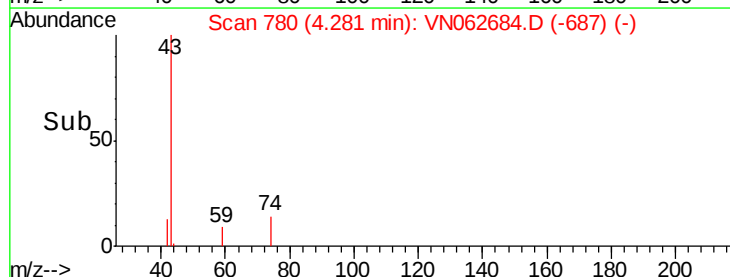
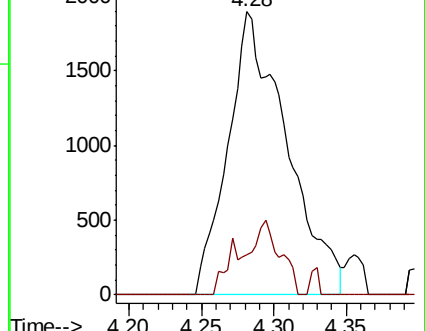
43 100

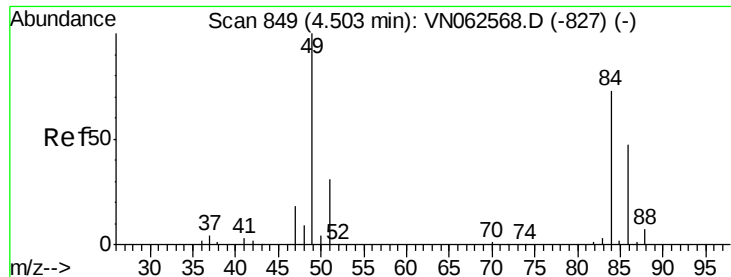
74 4.9 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062684.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062684.D (-687) (-)

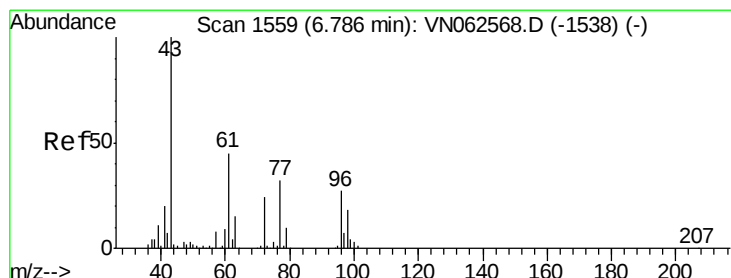
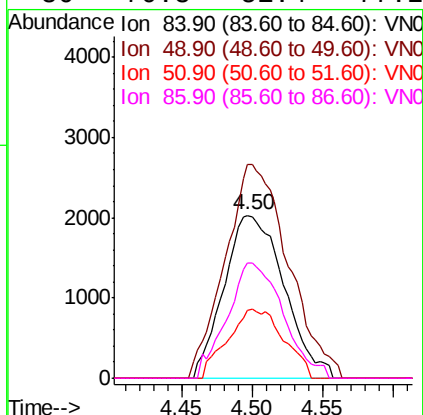
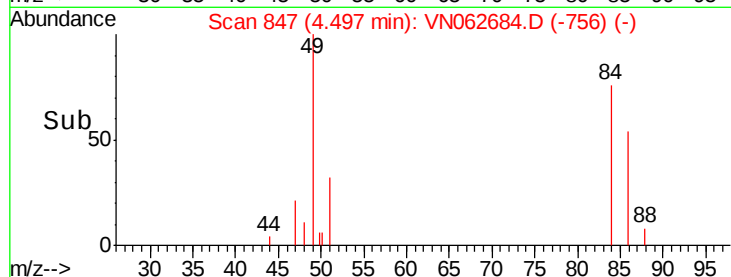
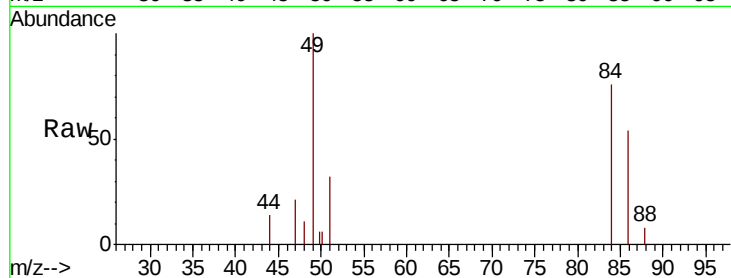




#20
Methvlene Chloride
Concen: 3.343 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

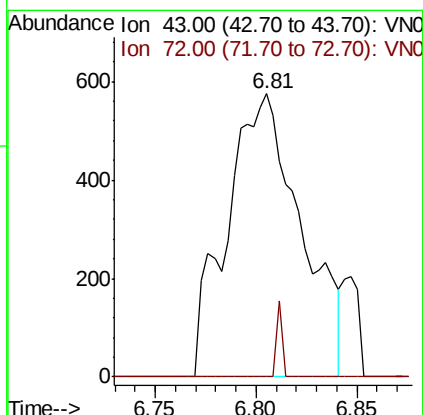
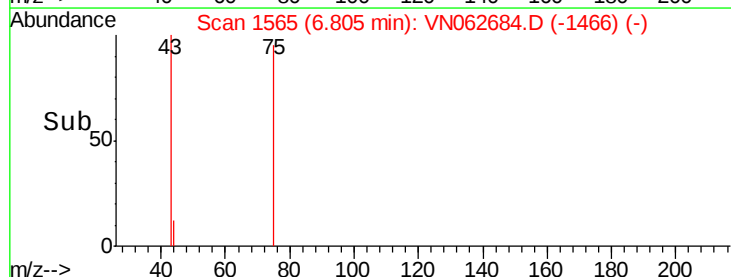
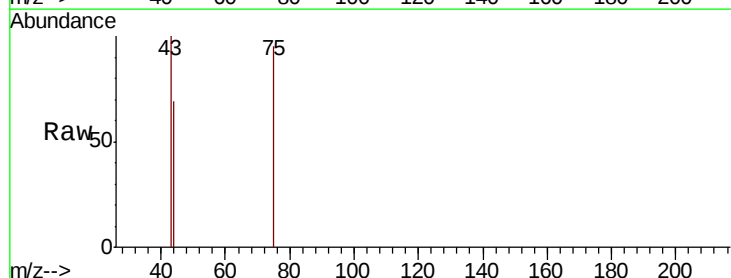
Instrument :
MSVOA_N
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PB130640ZHE#07

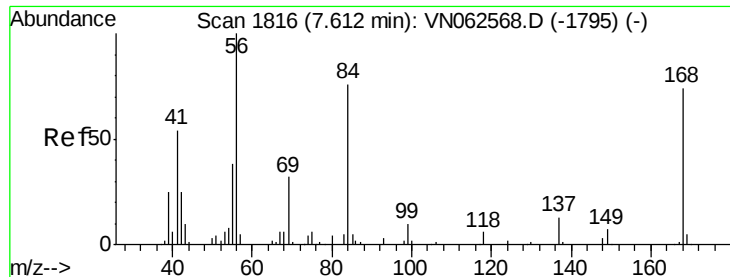
Tot Ion: 84 Resp: 6032
Ion Ratio Lower Upper
84 100
49 130.9 109.4 164.0
51 41.3 33.6 50.4
86 70.8 51.4 77.2



#25
2-Butanone
Concen: 1.282 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#

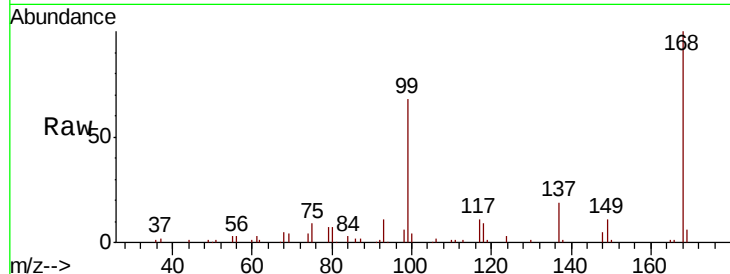




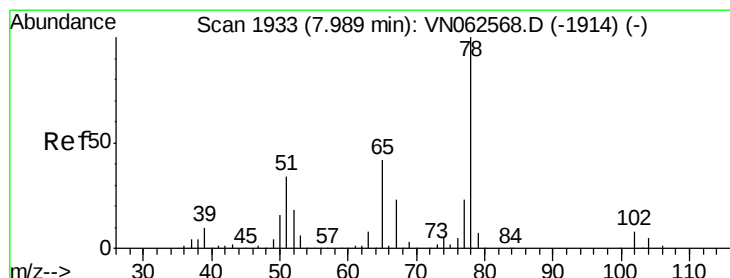
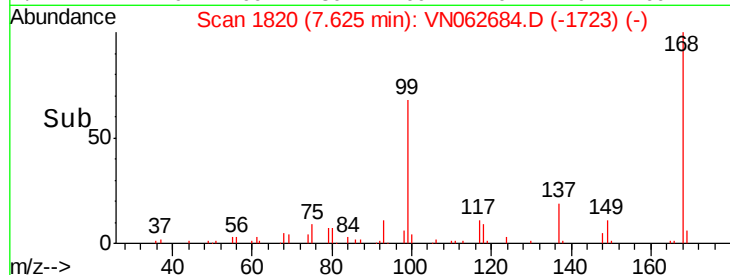
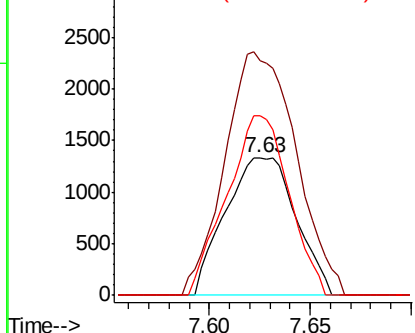
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#07

Tot Ion: 56 Resp: 3248
Ion Ratio Lower Upper
56 100
69 156.7 25.3 37.9#
84 130.2 61.0 91.4#

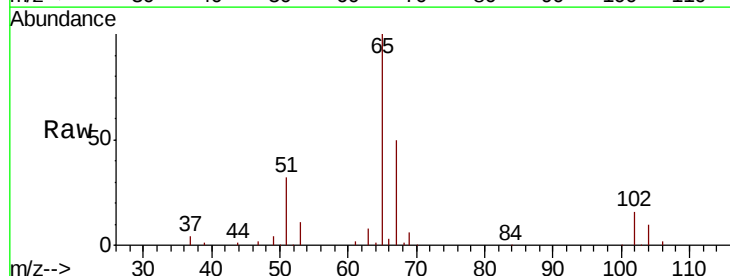


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

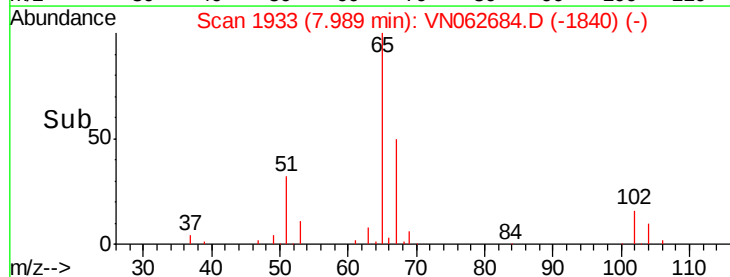
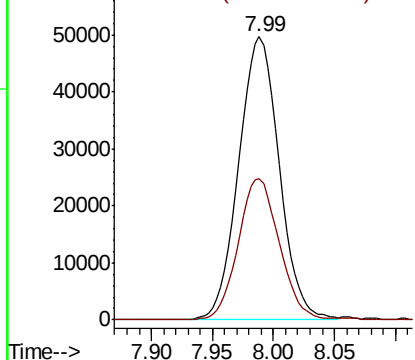


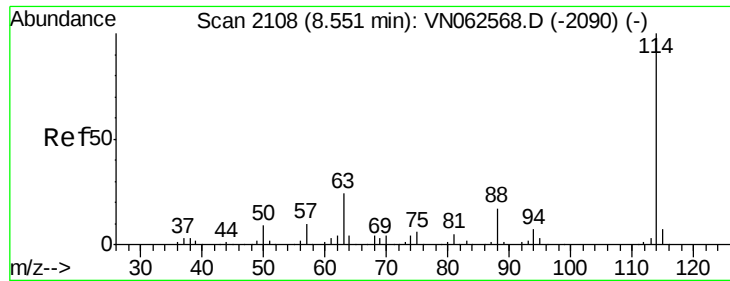
#33
1,2-Dichloroethane-d4
Concen: 57.112 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Tgt Ion: 65 Resp: 114164
Ion Ratio Lower Upper
65 100
67 50.5 0.0 106.0



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

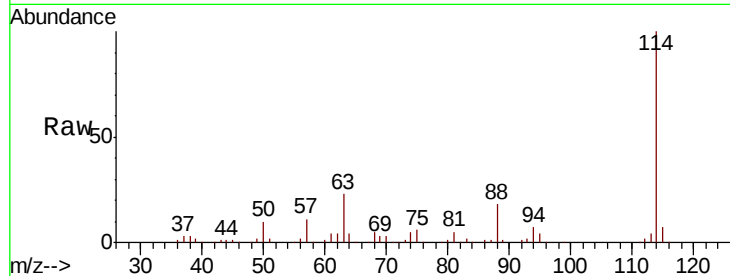




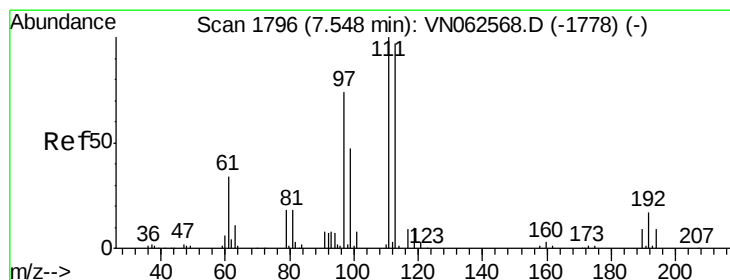
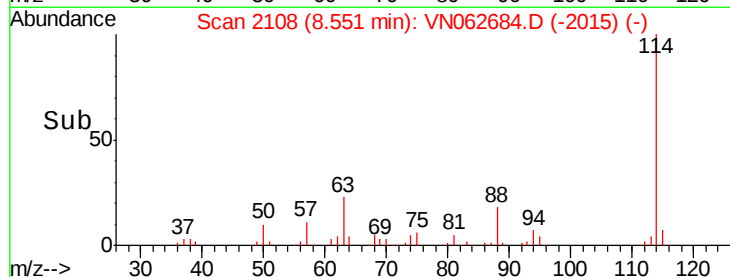
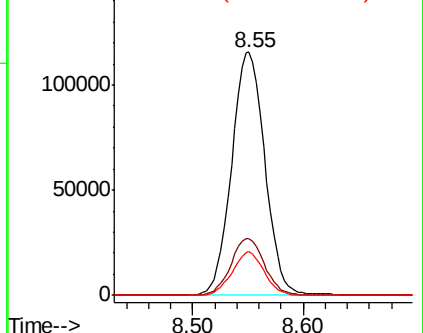
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

Instrument :
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 ClientSampleId :
 PB130640ZHE#07

Tot Ion:114 Resp: 241739
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.4
 88 17.8 0.0 33.8

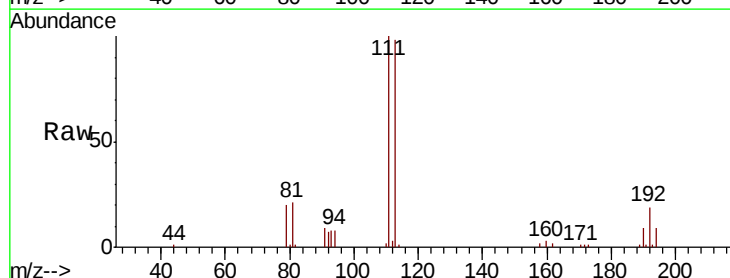


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

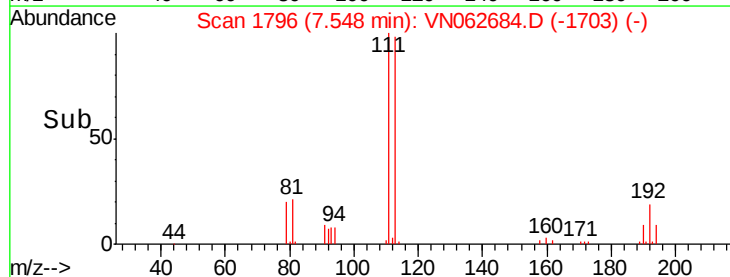
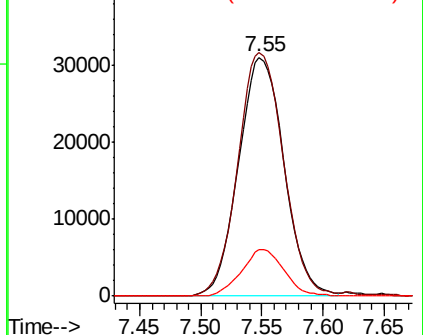


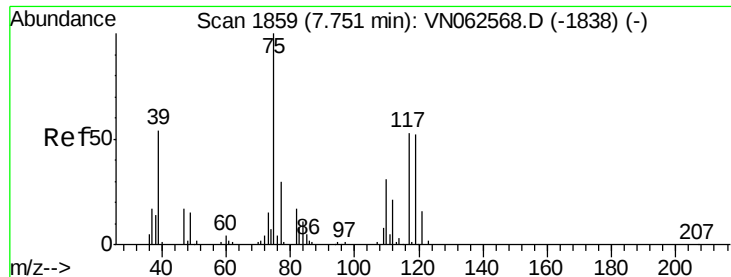
#35
 Dibromofluoromethane
 Concen: 50.362 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

Tgt Ion:113 Resp: 79968
 Ion Ratio Lower Upper
 113 100
 111 102.2 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

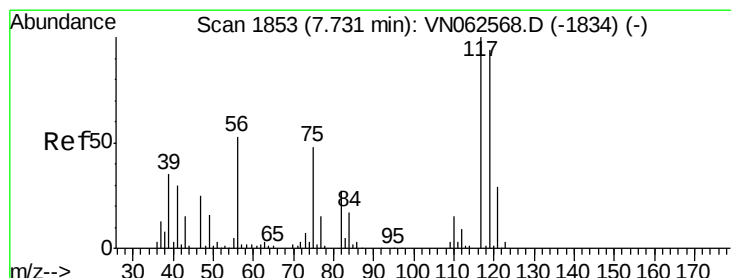
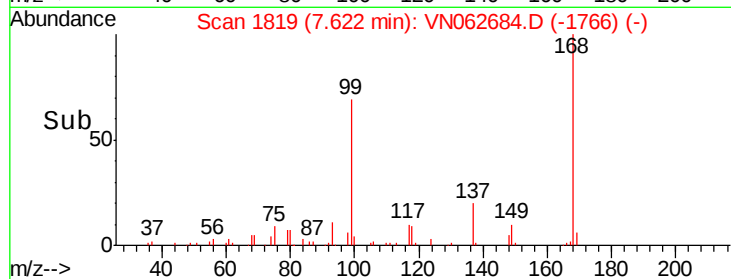
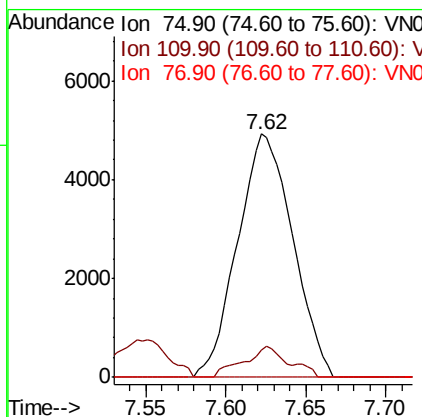
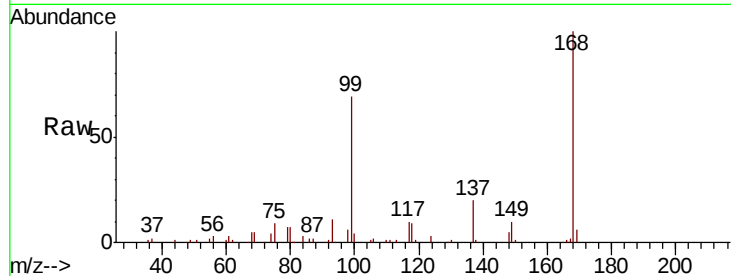




#36
 1,1-Dichloropropene
 Concen: 4.513 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

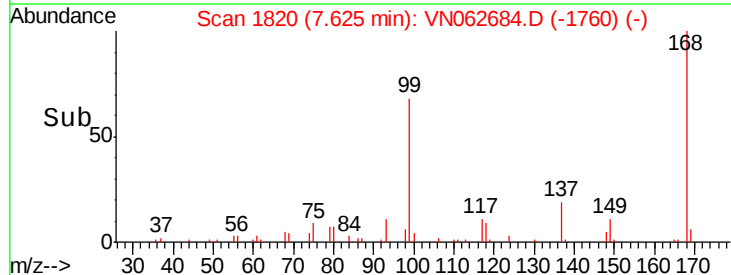
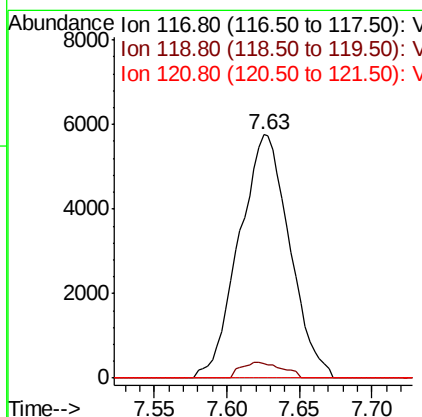
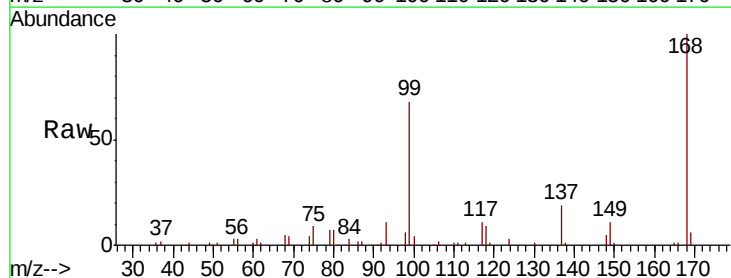
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#07

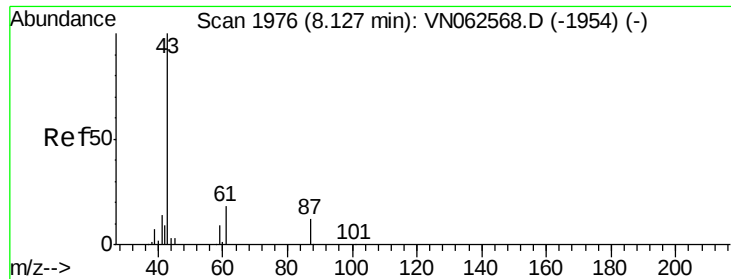
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.635 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 11.376 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062684.D

Acq: 31 Jul 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#07

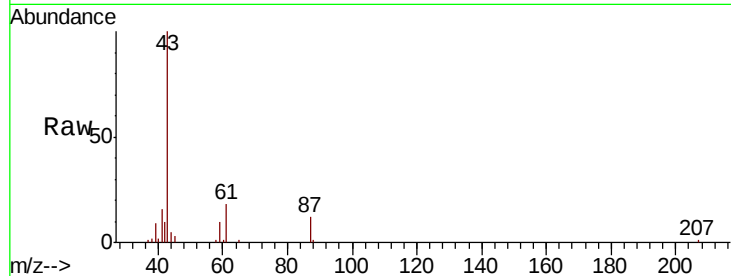
Tot Ion: 43 Resp: 50939

Ion Ratio Lower Upper

43 100

61 18.8 20.8 31.2#

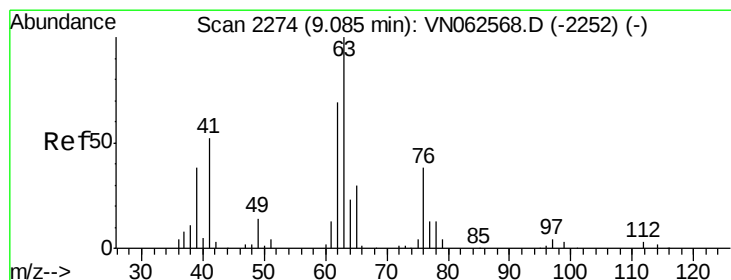
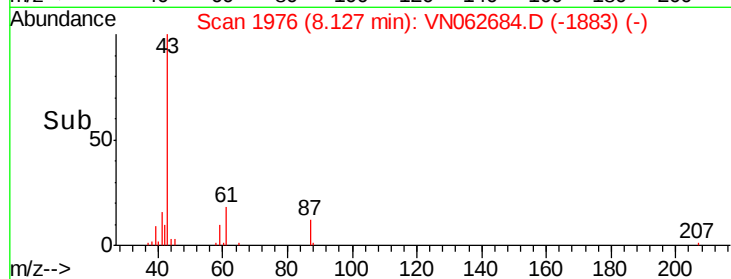
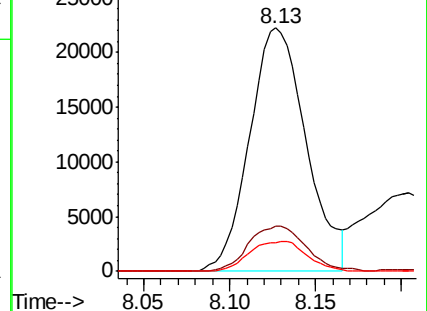
87 12.4 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062684.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062684.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062684.D (-1954) (-)



#45

1,2-Dichloropropane

Concen: 0.504 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062684.D

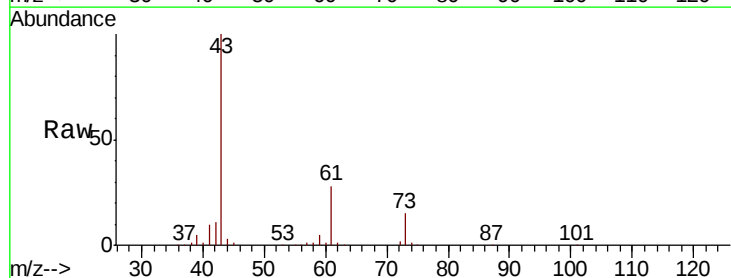
Acq: 31 Jul 2020 14:41

Tgt Ion: 63 Resp: 1104

Ion Ratio Lower Upper

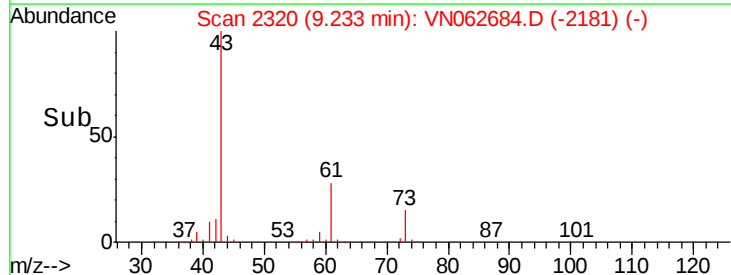
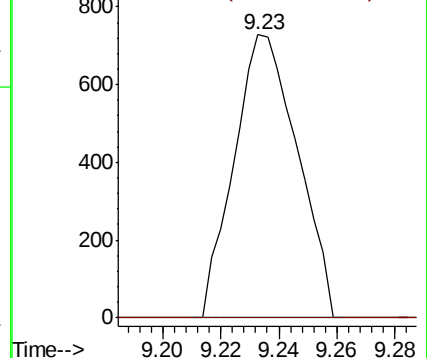
63 100

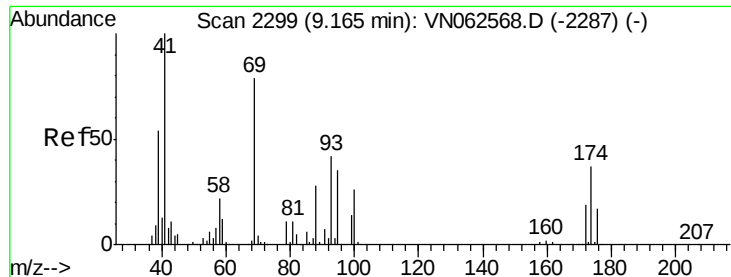
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062684.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062684.D (-2181) (-)

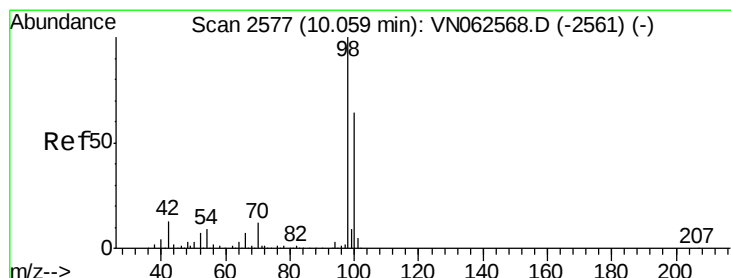
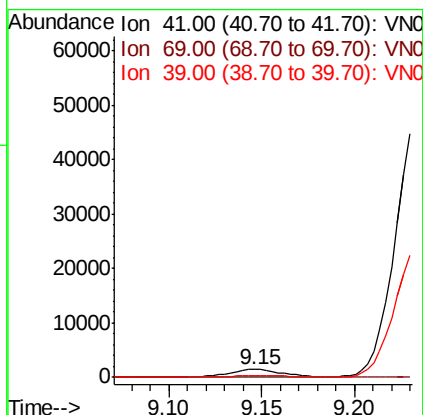
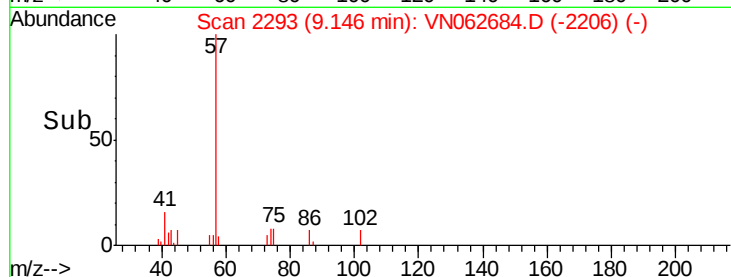
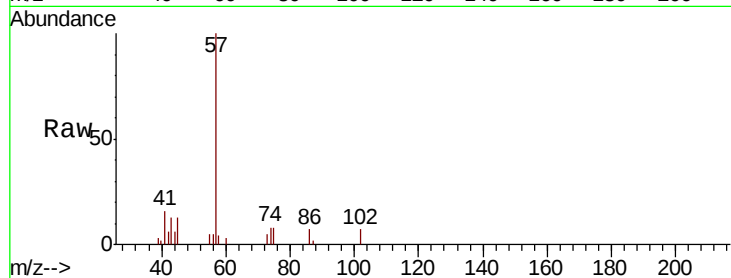




#48
Methyl methacrylate
Concen: 1.425 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

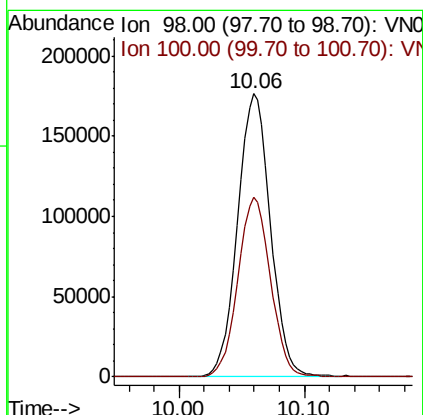
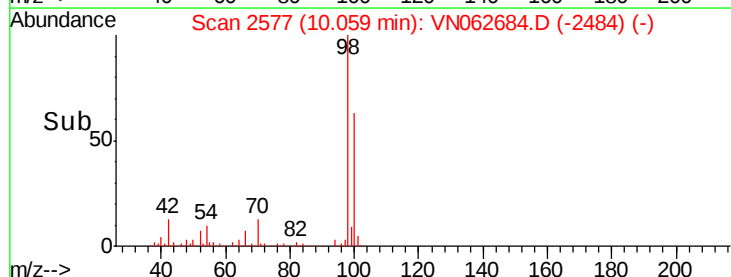
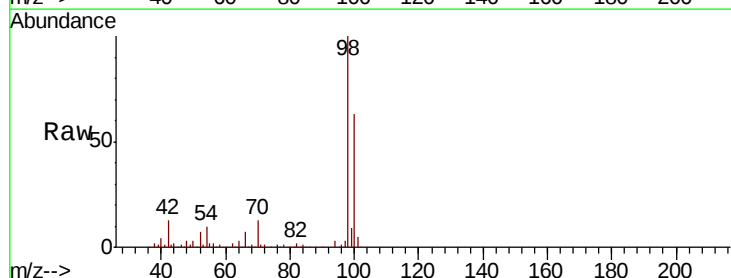
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#07

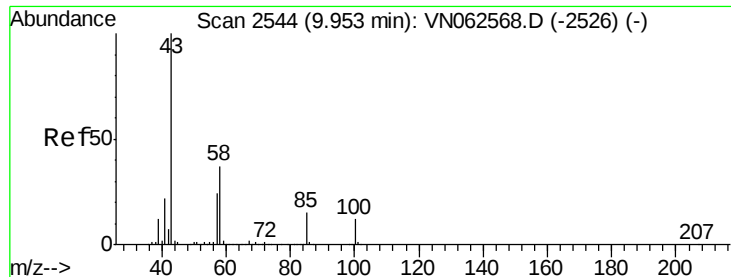
Tot Ion: 41 Resp: 3034
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 50.725 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Tgt Ion: 98 Resp: 321372
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3

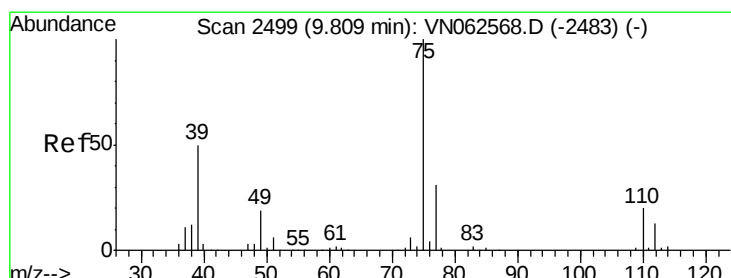
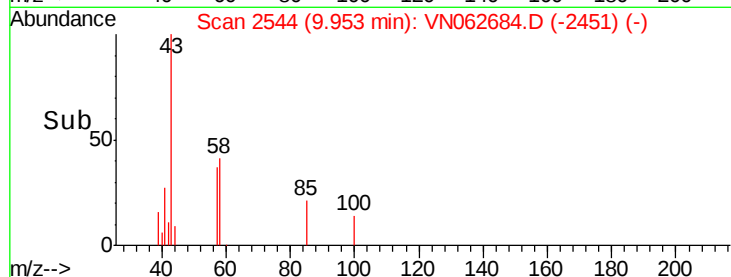
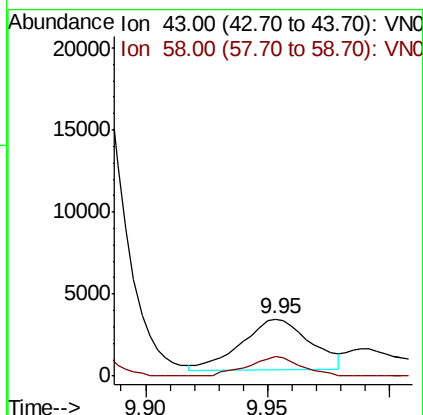
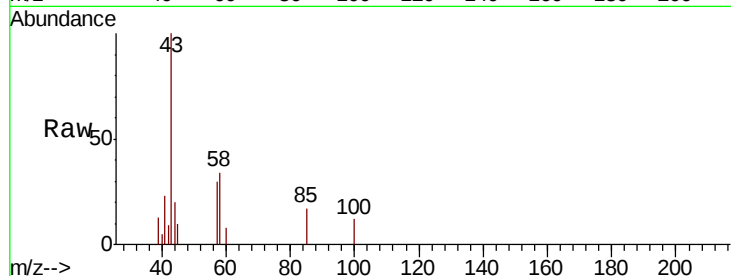




#51
 4-Methyl-2-Pentanone
 Concen: 2.241 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

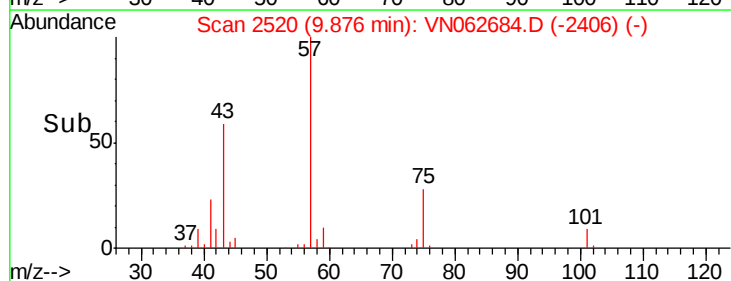
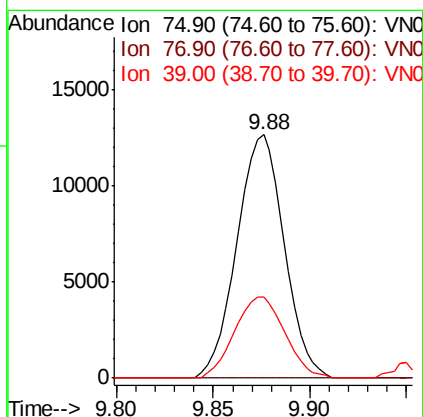
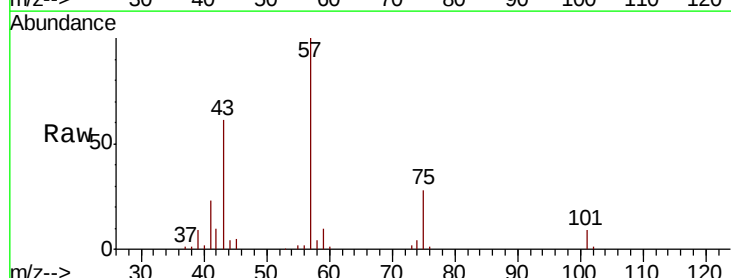
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#07

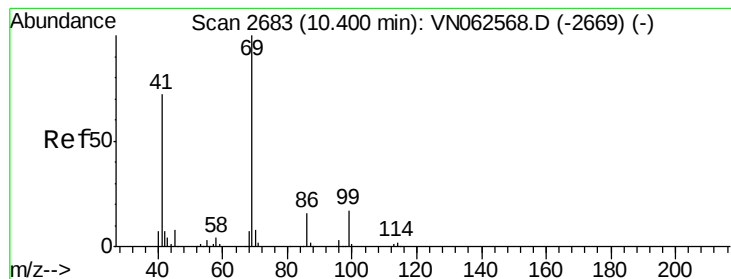
Tot Ion: 43 Resp: 6004
 Ion Ratio Lower Upper
 43 100
 58 29.6 29.8 44.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.578 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

Tgt Ion: 75 Resp: 21550
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 33.2 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.160 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062684.D

Acq: 31 Jul 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#07

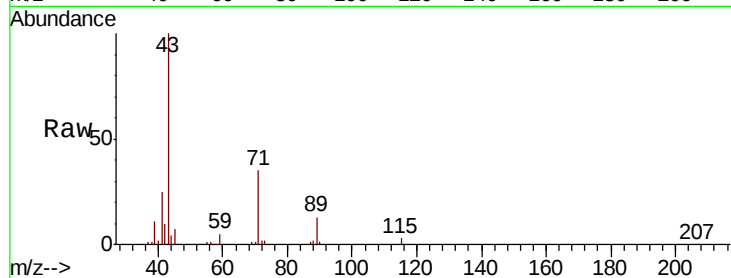
Tot Ion: 69 Resp: 1279

Ion Ratio Lower Upper

69 100

41 3788.2 57.2 85.8#

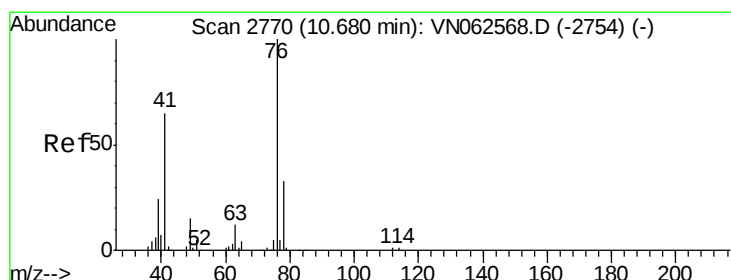
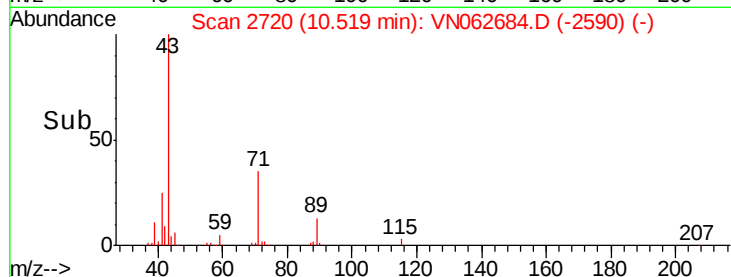
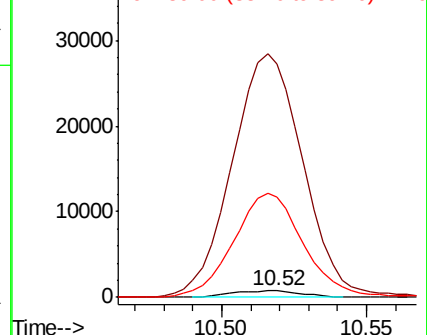
39 1594.7 28.6 43.0#



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: 1.212 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062684.D

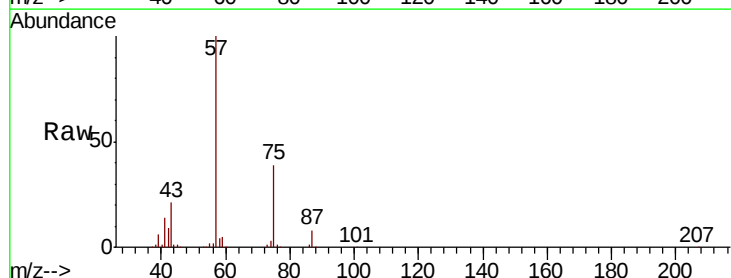
Acq: 31 Jul 2020 14:41

Tgt Ion: 76 Resp: 3902

Ion Ratio Lower Upper

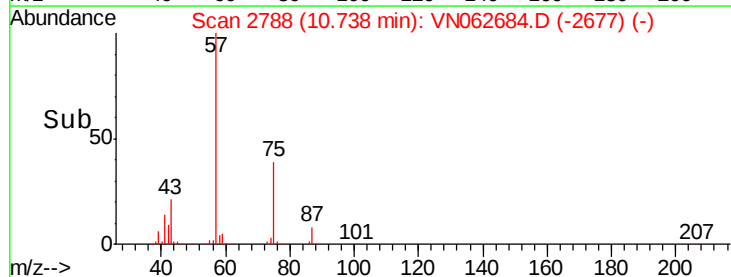
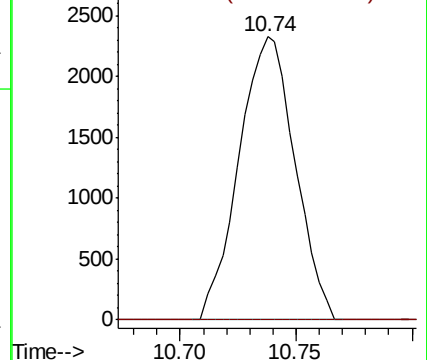
76 100

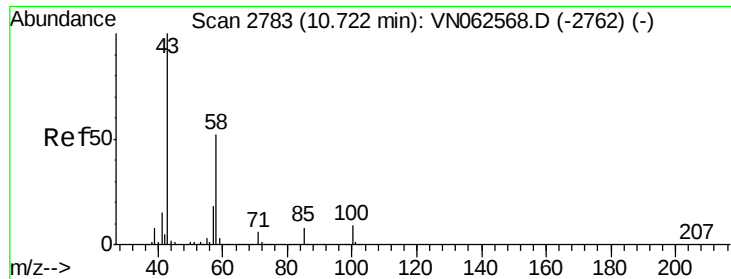
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

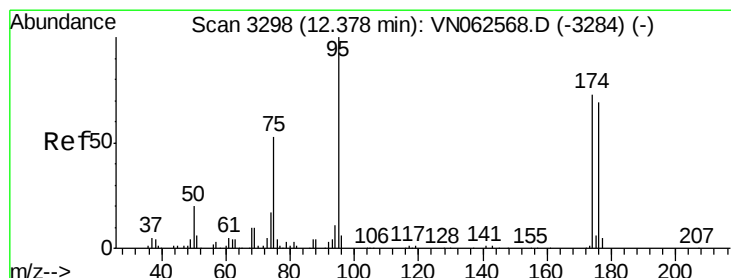
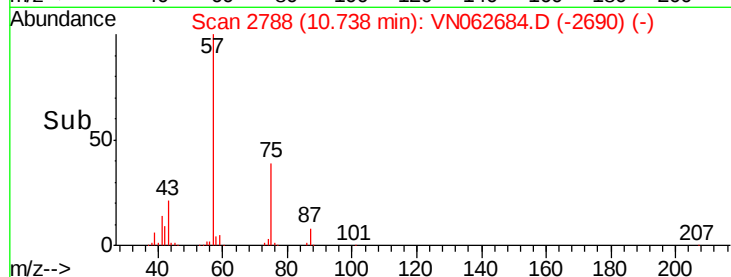
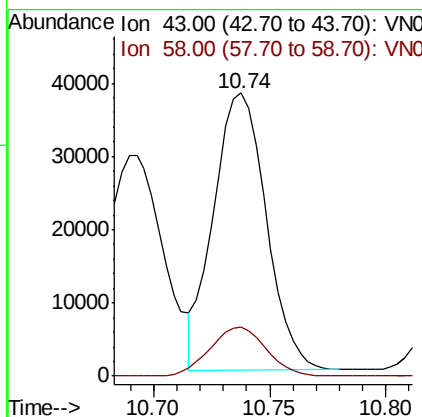
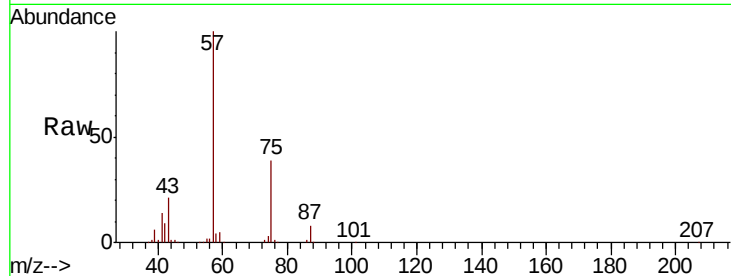




#59
2-Hexanone
Concen: 31.486 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

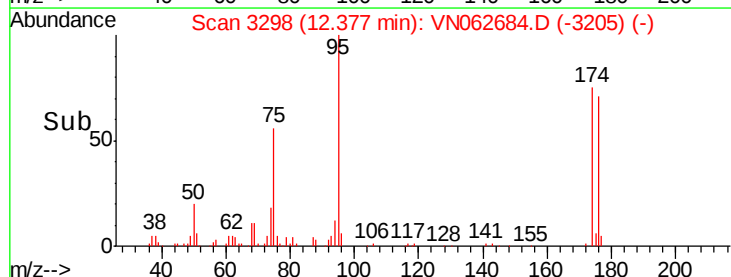
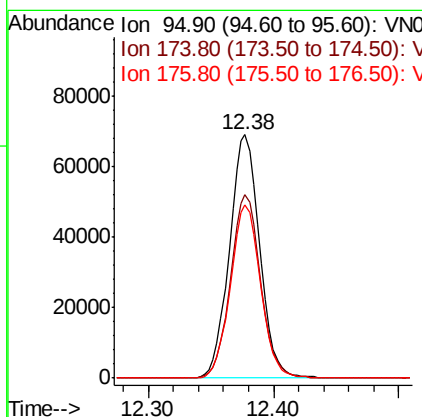
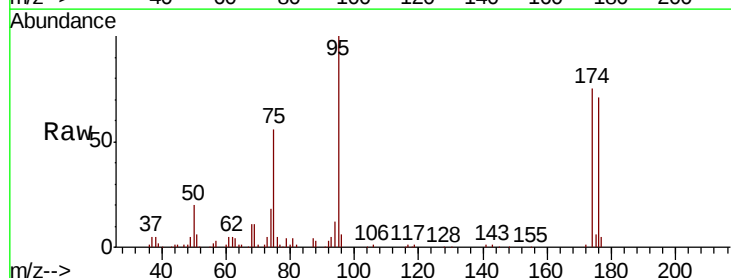
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#07

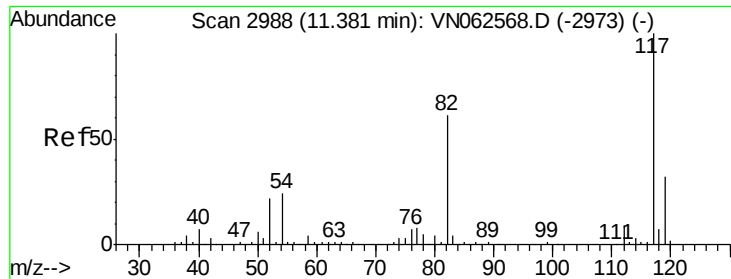
Tot Ion: 43 Resp: 59814
Ion Ratio Lower Upper
43 100
58 18.9 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 49.716 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Tgt Ion: 95 Resp: 115170
Ion Ratio Lower Upper
95 100
174 75.5 0.0 144.6
176 71.3 0.0 139.4

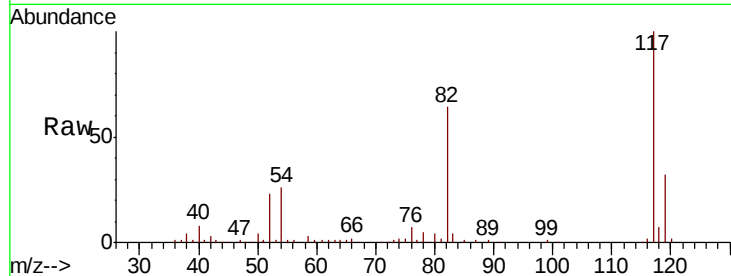




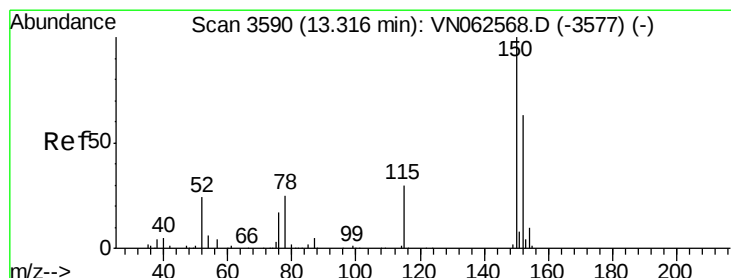
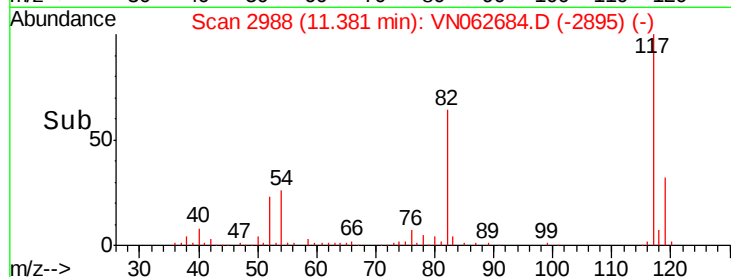
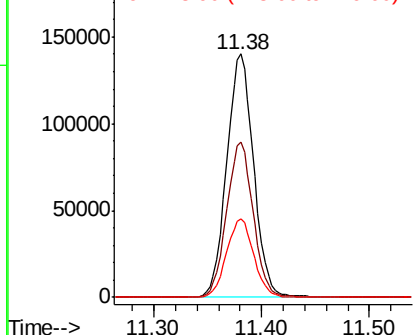
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#07

Tot Ion:117 Resp: 243744
Ion Ratio Lower Upper
117 100
82 63.6 49.0 73.6
119 32.1 25.4 38.2

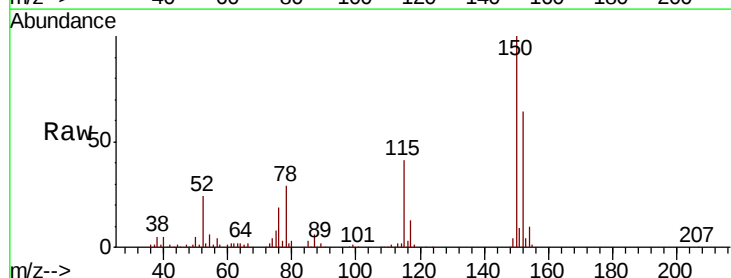


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

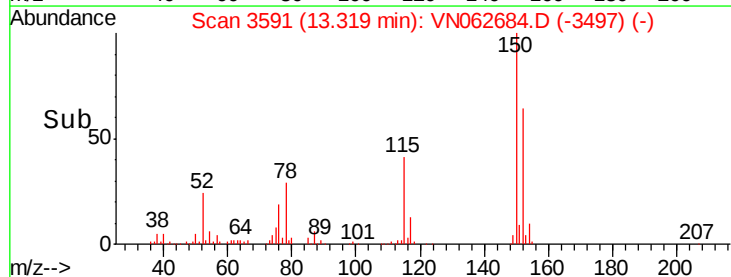
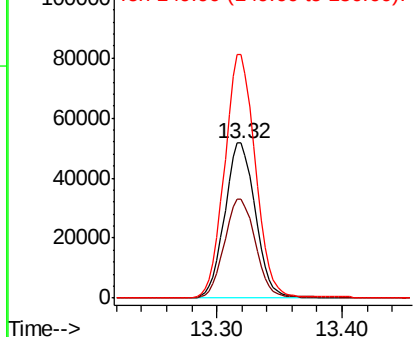


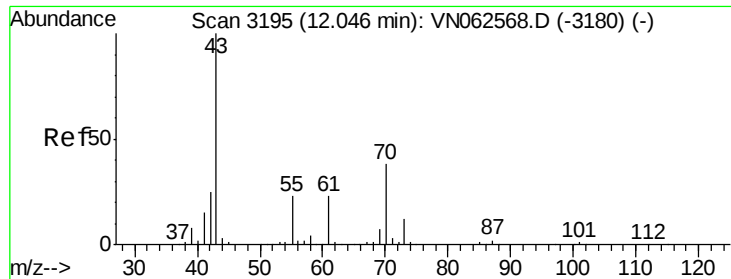
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062684.D
Acq: 31 Jul 2020 14:41

Tgt Ion:152 Resp: 87910
Ion Ratio Lower Upper
152 100
115 64.9 31.8 95.4
150 157.6 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-amvl acetate

Concen: 0.685 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062684.D

Acq: 31 Jul 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#07

Tot Ion: 43 Resp: 2127

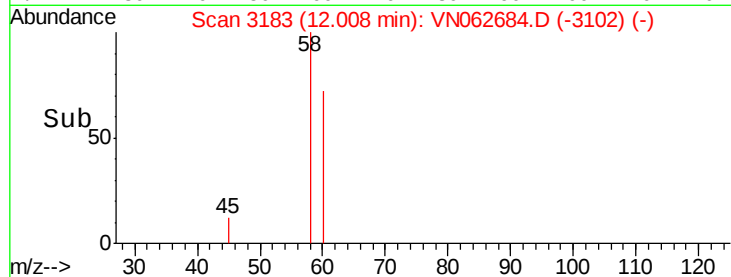
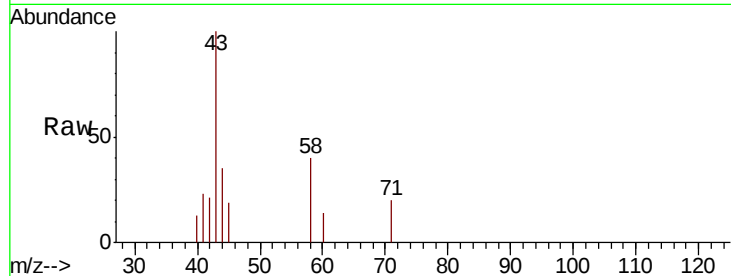
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

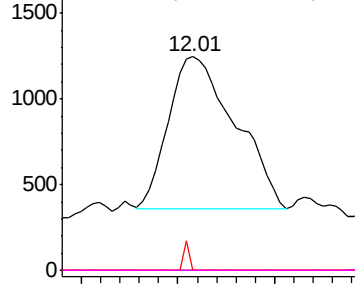


Abundance Ion 43.00 (42.70 to 43.70): VN0

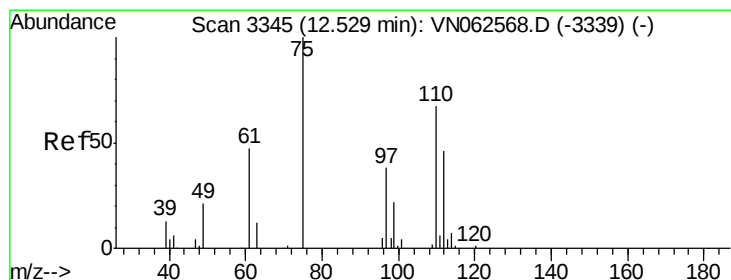
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.064 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062684.D

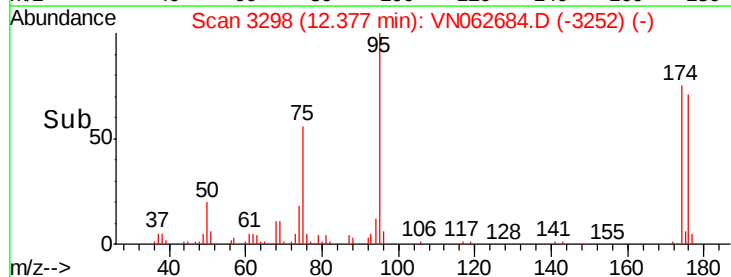
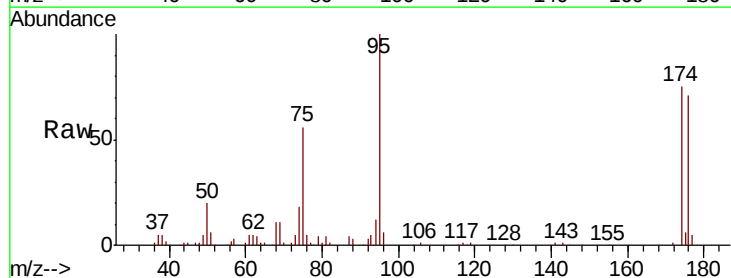
Acq: 31 Jul 2020 14:41

Tgt Ion: 75 Resp: 65035

Ion Ratio Lower Upper

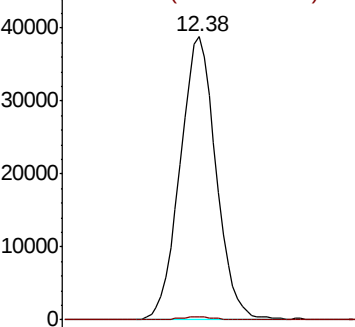
75 100

77 0.9 0.0 0.0#

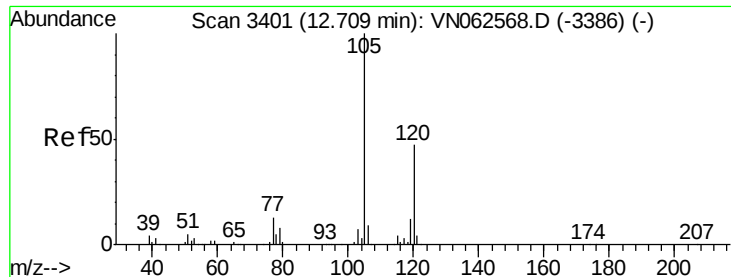


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



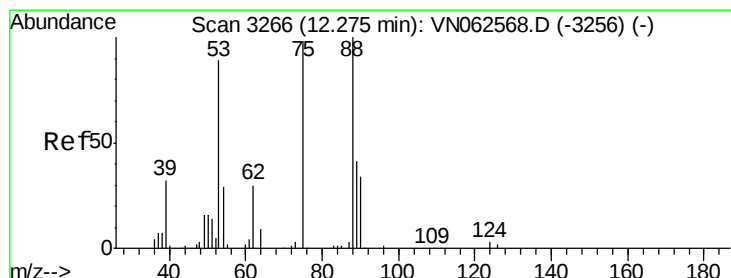
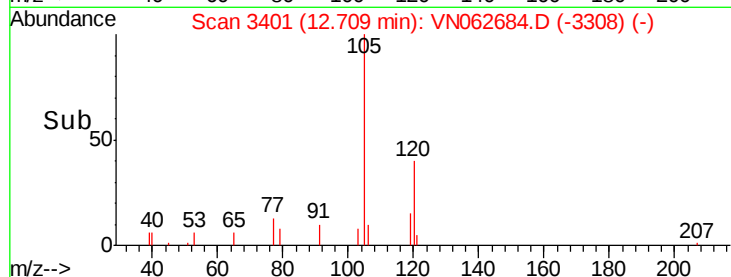
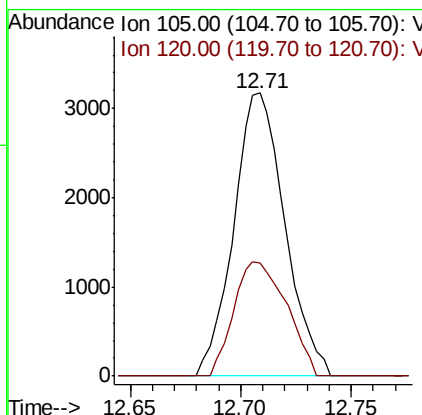
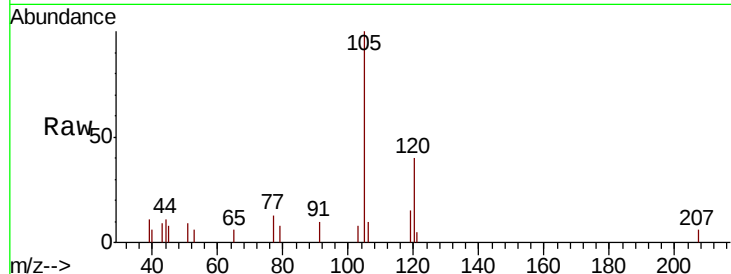
Time-->



#80
 1,3,5-Trimethylbenzene
 Concen: 0.888 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#07

Tot Ion:105 Resp: 5118
 Ion Ratio Lower Upper
 105 100
 120 41.7 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.908 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062684.D
 Acq: 31 Jul 2020 14:41

Tgt Ion: 75 Resp: 65035
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

