

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063831.D
 Acq On : 2 Oct 2020 19:08
 Operator : JC/MD
 Sample : PB132030ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#10

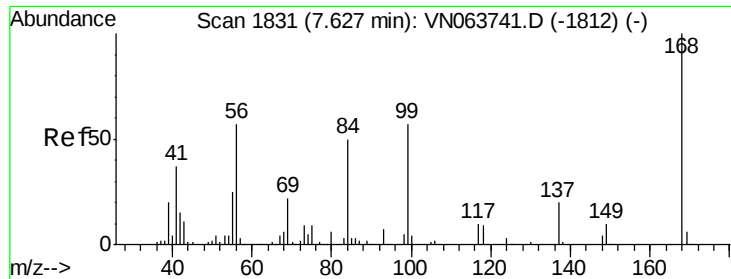
Quant Time: Oct 05 04:18:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	204289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163650	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	185630	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
35) Dibromofluoromethane	7.55	113	129323	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	10.06	98	499701	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
62) 4-Bromofluorobenzene	12.38	95	198212	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	218	0.585	ug/l #	71
16) Acetone	3.78	43	12085	11.632	ug/l	92
17) Carbon Disulfide	4.01	76	62	0.712	ug/l #	76
18) Methyl Acetate	4.28	43	2645	0.981	ug/l #	89
20) Methylene Chloride	4.50	84	5778	2.521	ug/l #	84
25) 2-Butanone	6.79	43	2843	1.930	ug/l #	76
29) Tetrahydrofuran	7.18	42	1069	1.082	ug/l #	83
31) Cyclohexane	7.62	56	6251	1.595	ug/l #	48
36) 1,1-Dichloropropene	7.63	75	18559	4.626	ug/l #	47
38) Carbon Tetrachloride	7.62	117	22718	5.050	ug/l #	14
43) Isopropyl Acetate	8.13	43	75697	11.513	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1496	0.483	ug/l #	44
48) Methyl methacrylate	9.23	41	137866	42.442	ug/l #	48
49) 1,4-Dioxane	9.23	88	29	0.628	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	8077	2.093	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	30666	6.217	ug/l #	69
56) Ethyl methacrylate	10.51	69	1974	0.490	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5183	1.078	ug/l #	43
59) 2-Hexanone	10.74	43	89321	31.163	ug/l #	55
74) N-amyl acetate	12.02	43	3506	2.820	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	112475	31.178	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	5993	0.598	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	112475	89.798	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

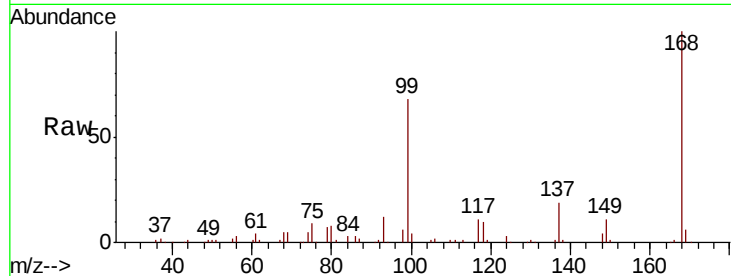
PB132030ZHE#10

Tot Ion:168 Resp: 204289

Ion Ratio Lower Upper

168 100

99 67.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

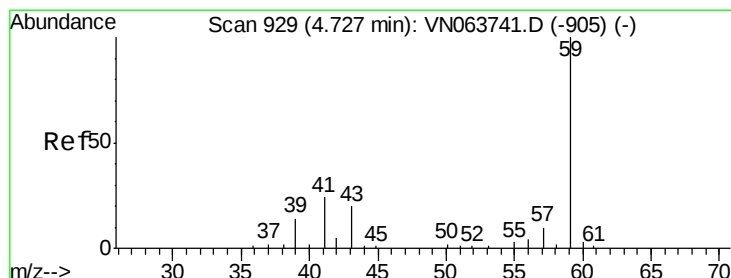
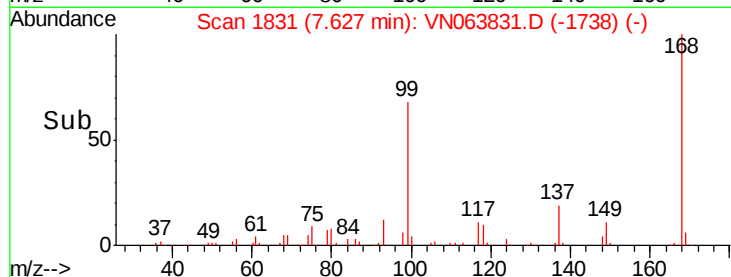
40000

20000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.585 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN063831.D

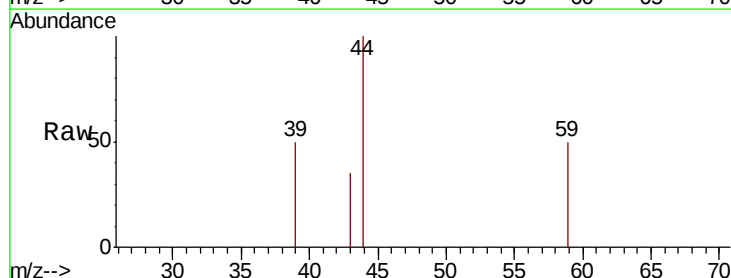
Acq: 2 Oct 2020 19:08

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.72

250

200

150

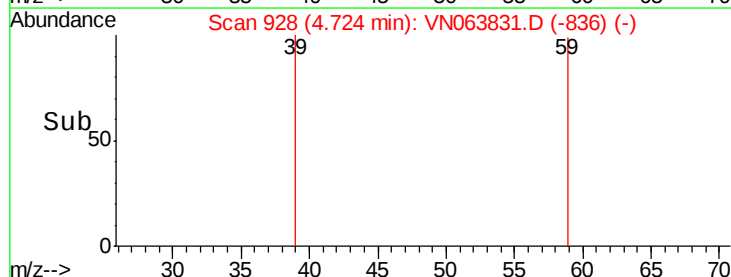
100

50

0

4.70 4.72 4.74

Time-->





#16

Acetone

Concen: 11.632 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

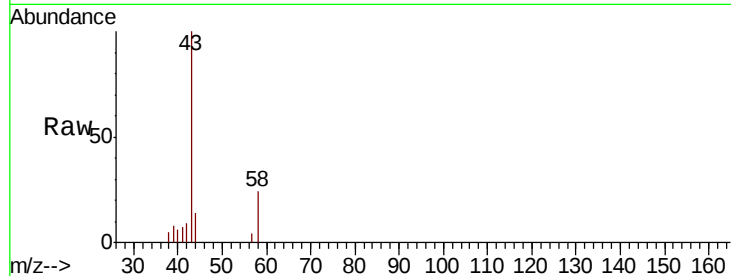
PB132030ZHE#10

Tot Ion: 43 Resp: 12085

Ion Ratio Lower Upper

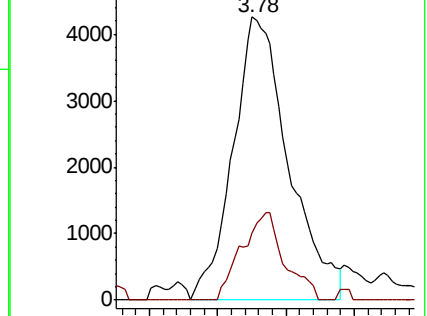
43 100

58 23.5 22.3 33.5

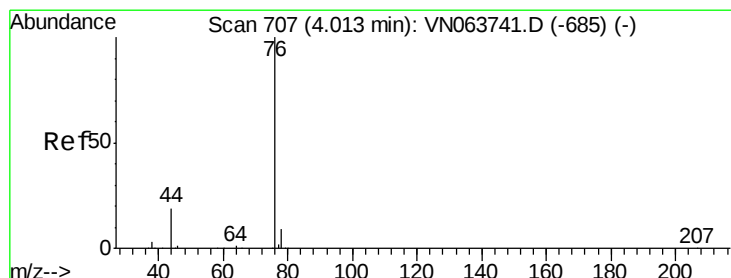
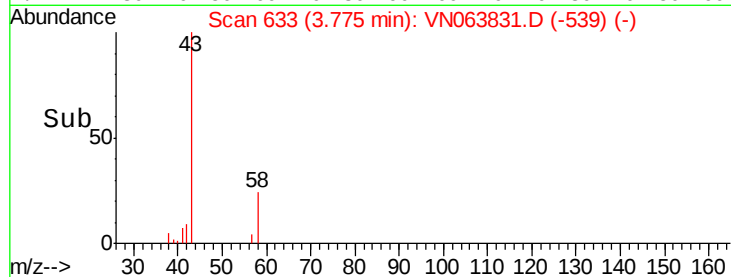


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: 0.712 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN063831.D

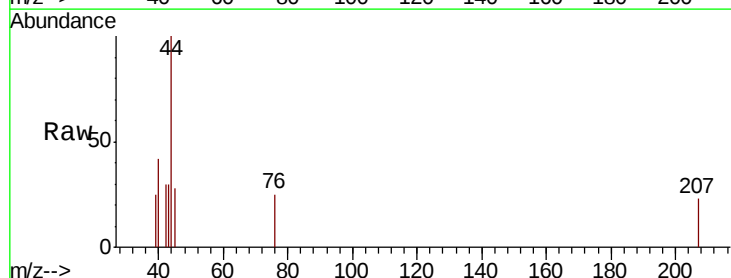
Acq: 2 Oct 2020 19:08

Tgt Ion: 76 Resp: 62

Ion Ratio Lower Upper

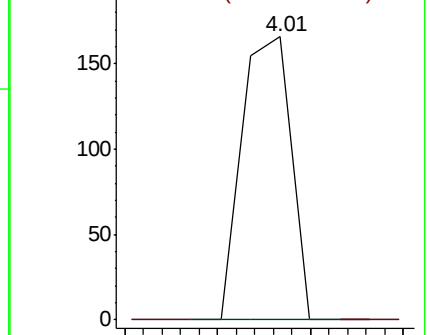
76 100

78 0.0 7.0 10.4#

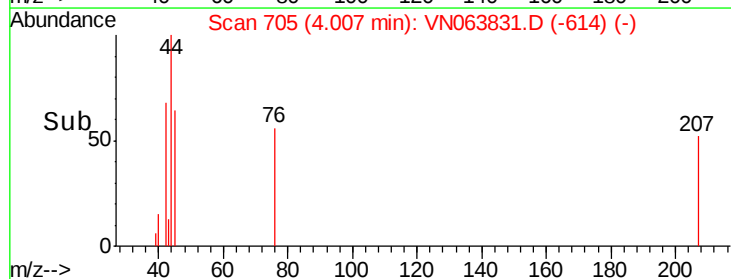


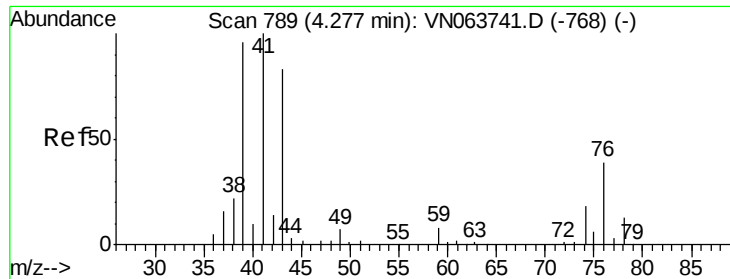
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->

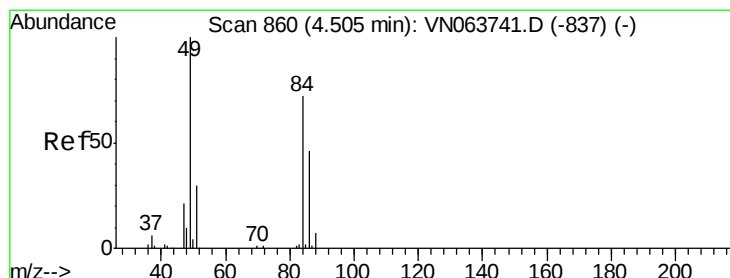
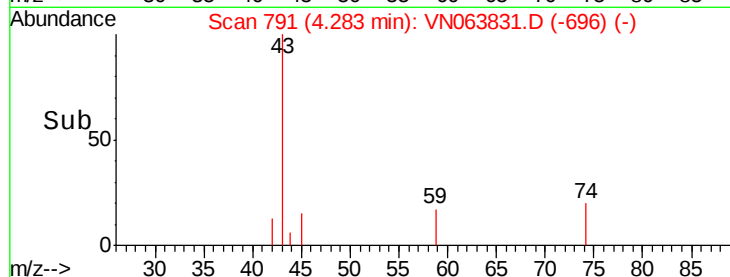
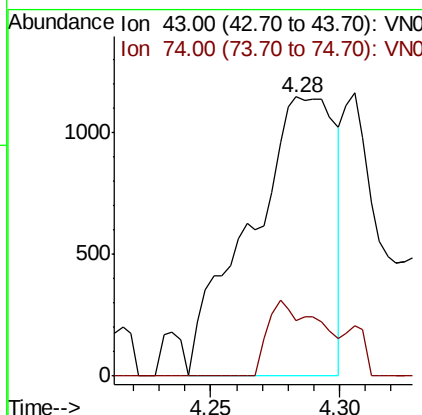
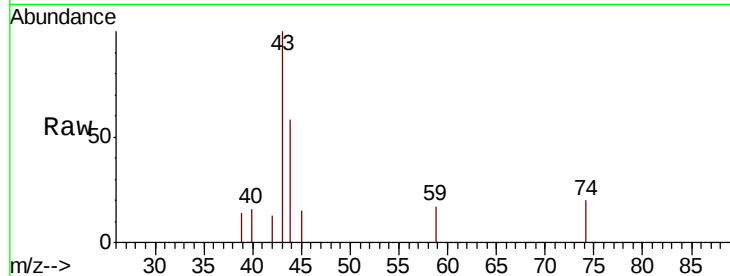




#18
Methyl Acetate
Concen: 0.981 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

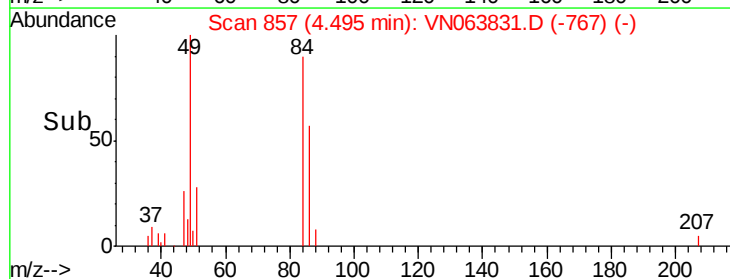
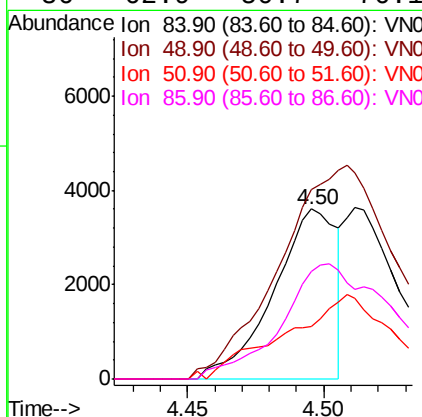
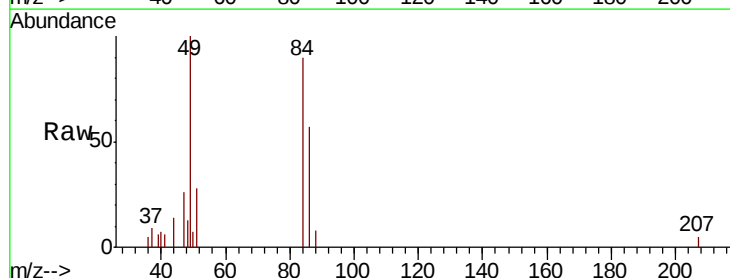
Instrument :
MSVOA_N
ClientSampled :
PB132030ZHE#10

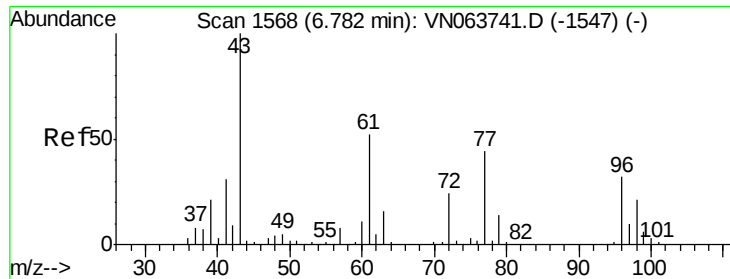
Tot Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
74 16.5 17.4 26.2#



#20
Methylene Chloride
Concen: 2.521 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Tgt Ion: 84 Resp: 5778
Ion Ratio Lower Upper
84 100
49 111.0 110.4 165.6
51 31.2 33.3 49.9#
86 62.9 50.7 76.1

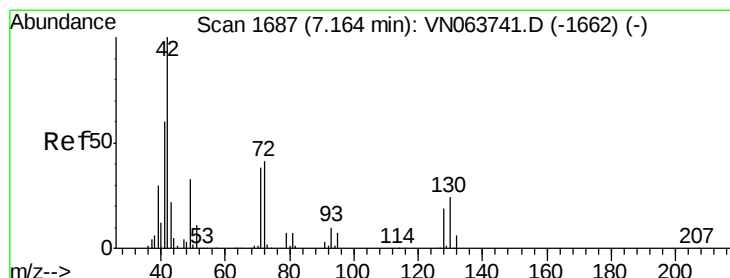
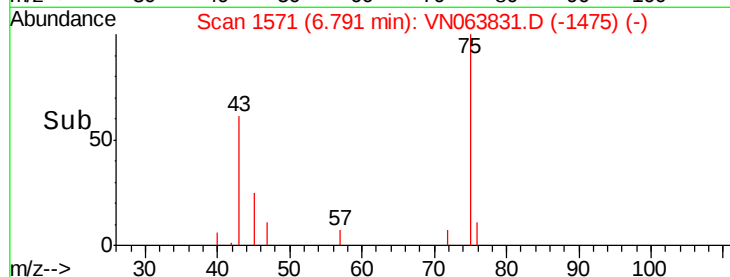
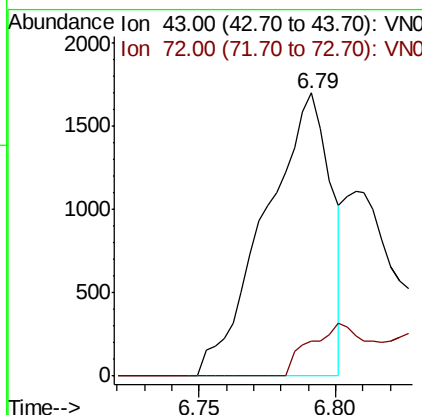
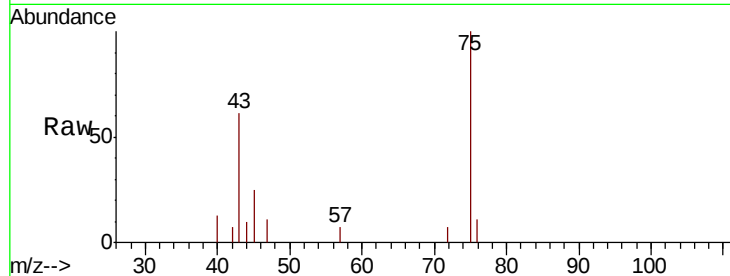




#25
2-Butanone
Concen: 1.930 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

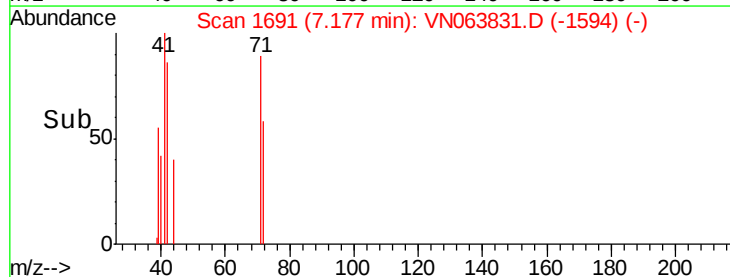
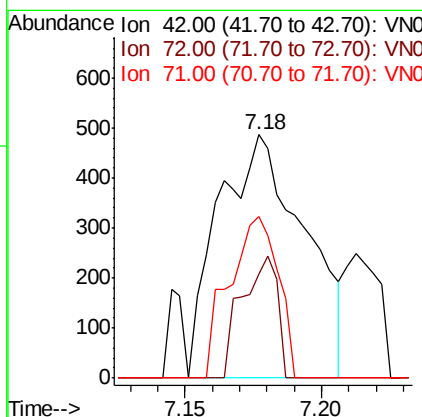
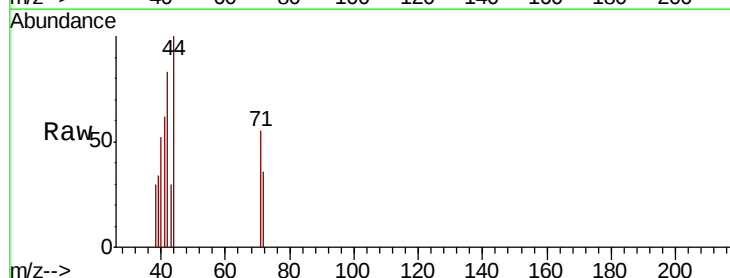
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#10

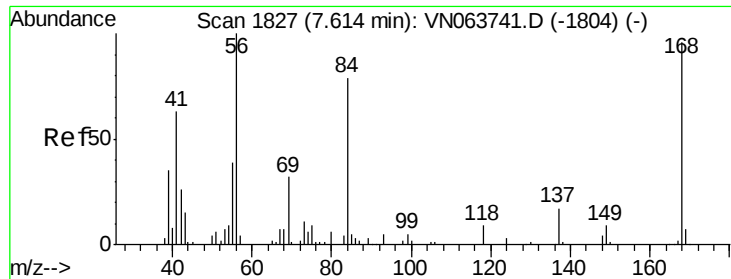
Tot Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
72 12.3 19.3 28.9#



#29
Tetrahydrofuran
Concen: 1.082 ug/l
RT: 7.18 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Tgt Ion: 42 Resp: 1069
Ion Ratio Lower Upper
42 100
72 20.6 32.8 49.2#
71 37.5 30.6 45.8

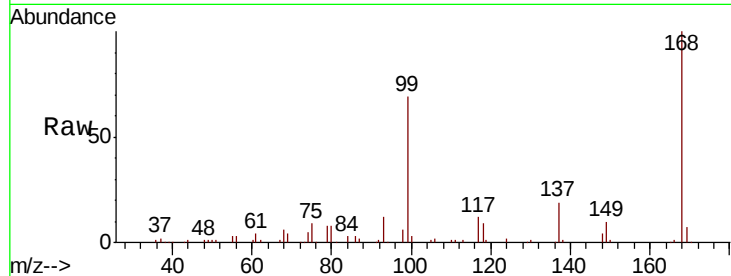




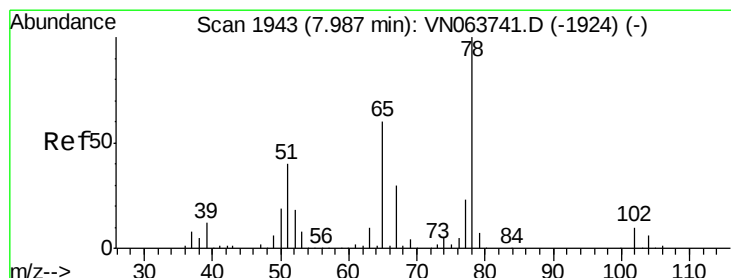
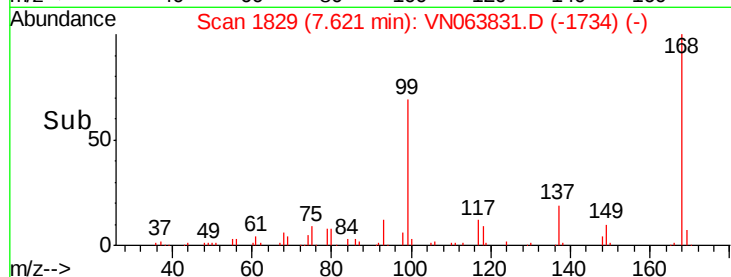
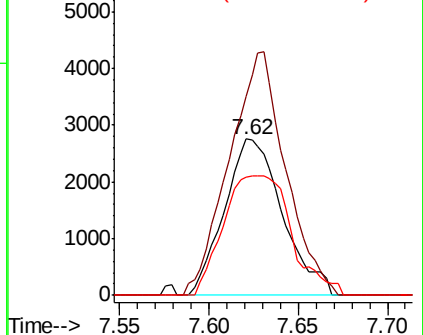
#31
Cyclohexane
Concen: 1.595 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#10

Tot Ion: 56 Resp: 6251
Ion Ratio Lower Upper
56 100
69 127.0 25.4 38.2#
84 75.7 63.3 94.9

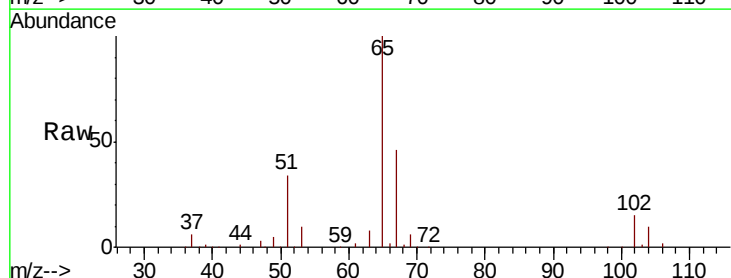


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

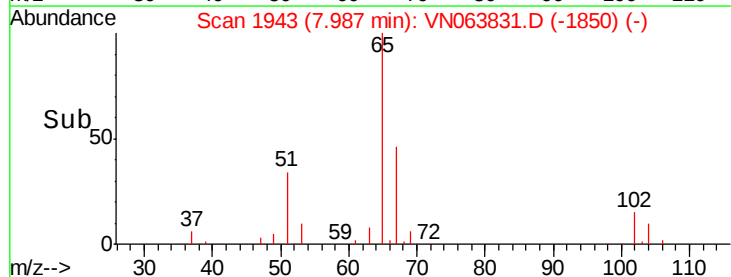
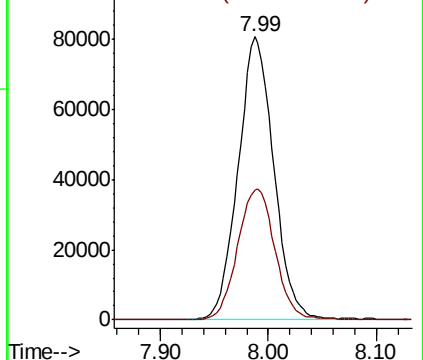


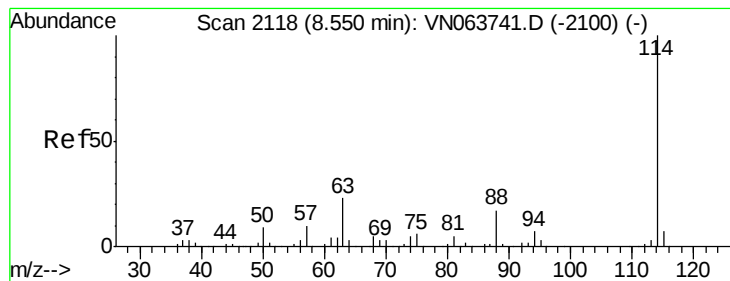
#33
1,2-Dichloroethane-d4
Concen: 55.002 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Tgt Ion: 65 Resp: 185630
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.6



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# 2118

Delta R.T. 0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#10

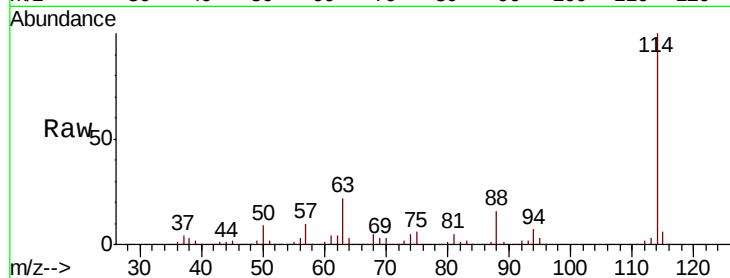
Tot Ion:114 Resp: 396020

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

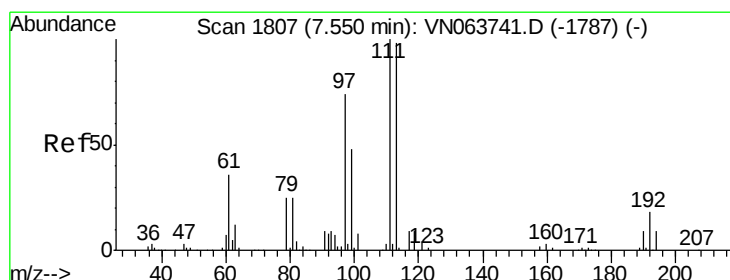
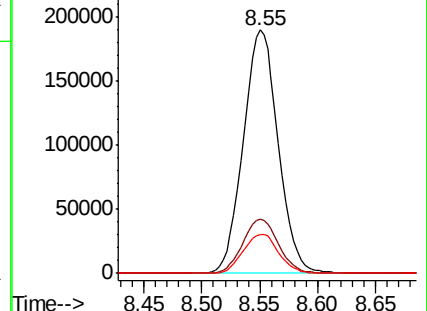
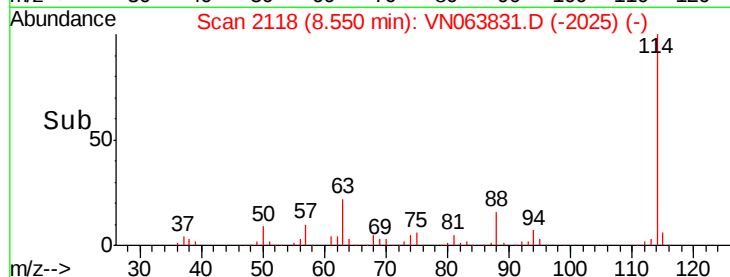
88 15.9 0.0 34.0



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: 47.063 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

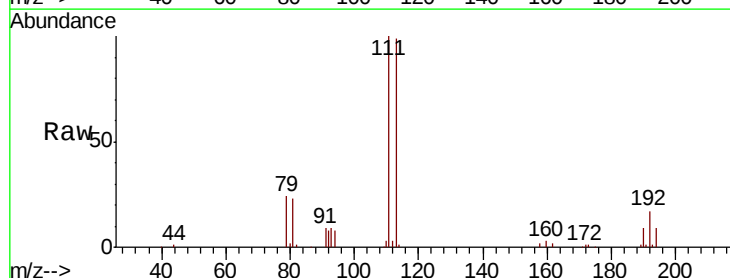
Tgt Ion:113 Resp: 129323

Ion Ratio Lower Upper

113 100

111 105.4 81.8 122.8

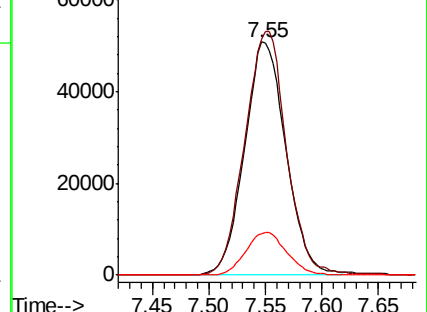
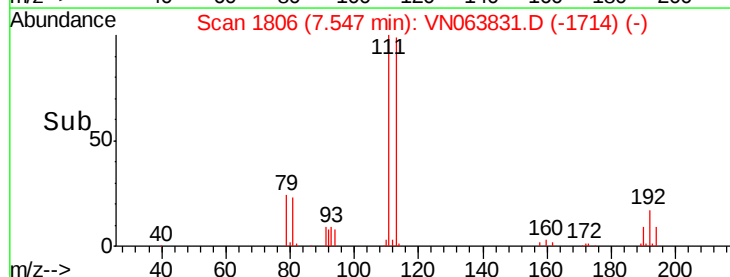
192 18.0 14.2 21.2

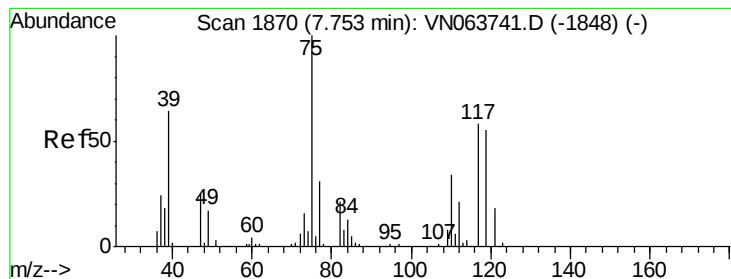


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#10

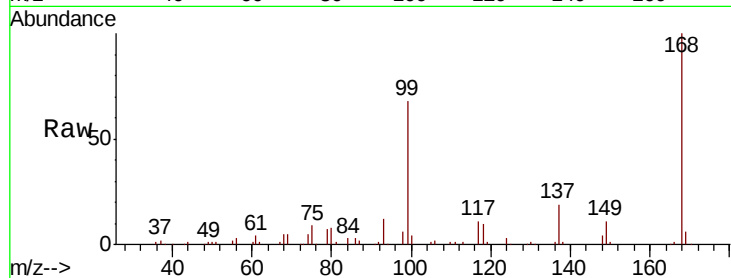
Tot Ion: 75 Resp: 18559

Ion Ratio Lower Upper

75 100

110 4.6 16.9 50.6#

77 0.0 24.5 36.7#

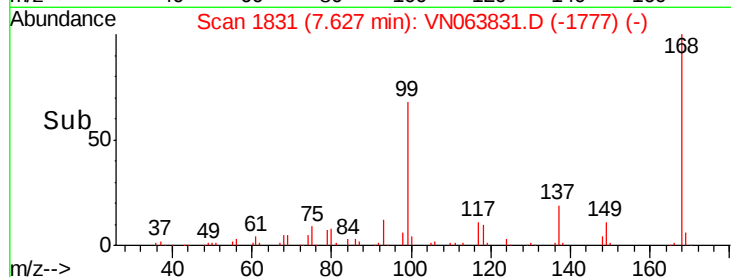


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063741.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063741.D (-1848) (-)

Time-->

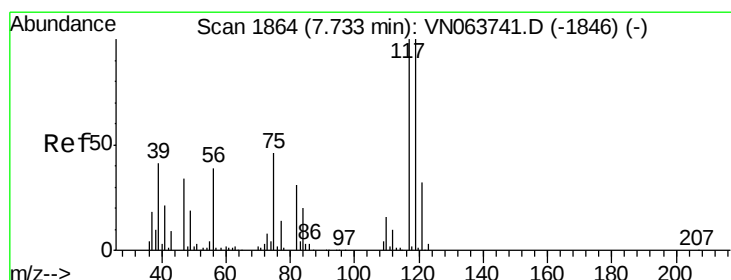


Abundance Ion 74.90 (74.60 to 75.60): VN063831.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063831.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063831.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.050 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

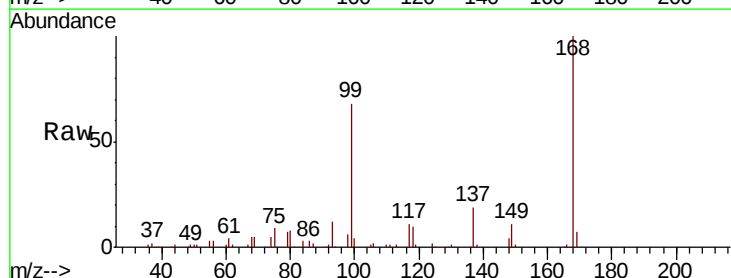
Tgt Ion: 117 Resp: 22718

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

121 0.0 25.7 38.5#

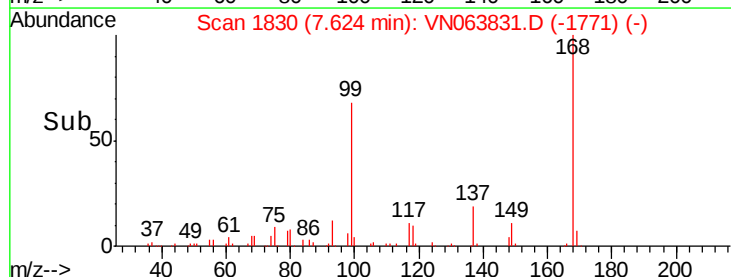


Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-1846) (-)

Ion 118.80 (118.50 to 119.50): VN063741.D (-1846) (-)

Ion 120.80 (120.50 to 121.50): VN063741.D (-1846) (-)

Time-->

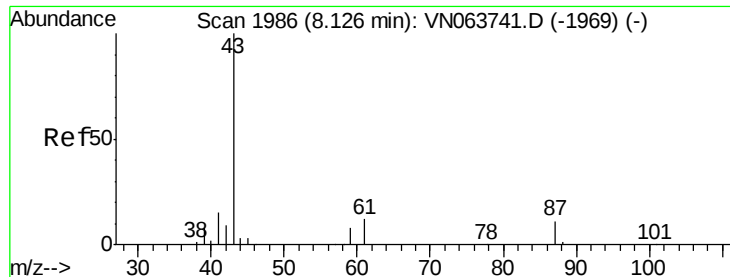


Abundance Ion 116.80 (116.50 to 117.50): VN063831.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063831.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063831.D (-1771) (-)

Time-->



#43

Isopropyl Acetate

Concen: 11.513 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#10

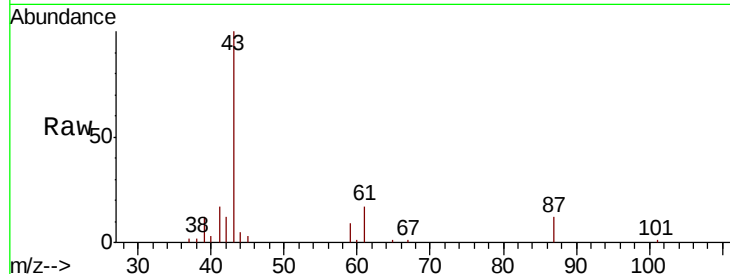
Tot Ion: 43 Resp: 75697

Ion Ratio Lower Upper

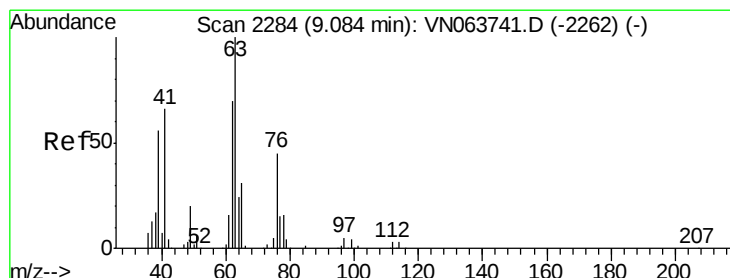
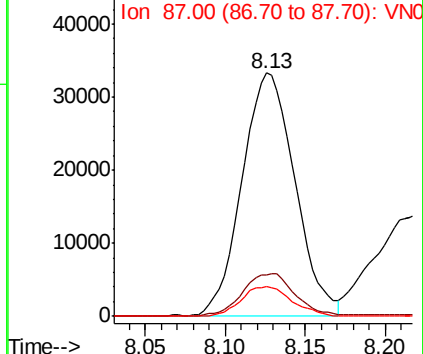
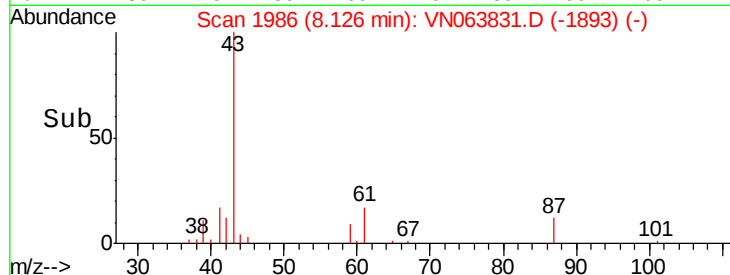
43 100

61 17.4 14.2 21.4

87 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063831.D (-1893) (-)



#45

1,2-Dichloropropane

Concen: 0.483 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063831.D

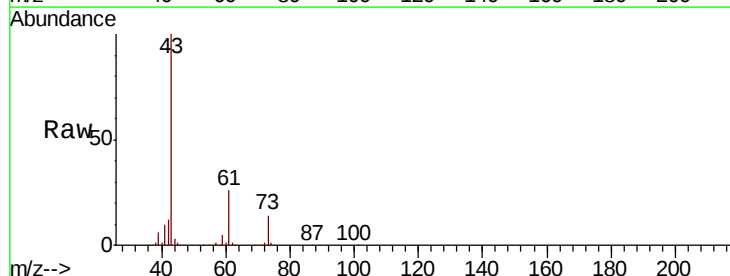
Acq: 2 Oct 2020 19:08

Tgt Ion: 63 Resp: 1496

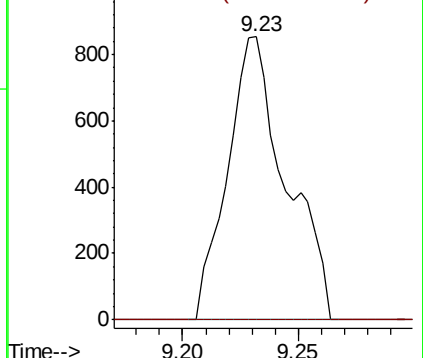
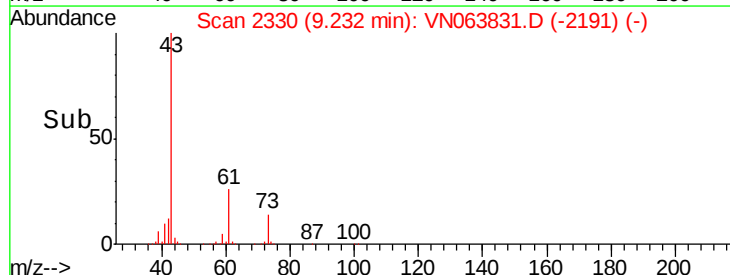
Ion Ratio Lower Upper

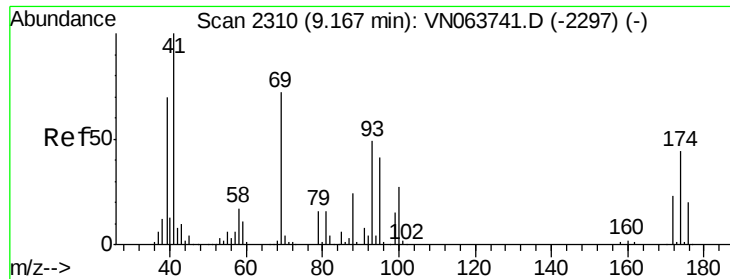
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN063831.D (-2191) (-)

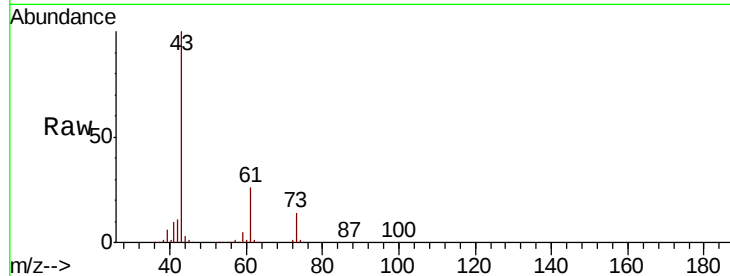




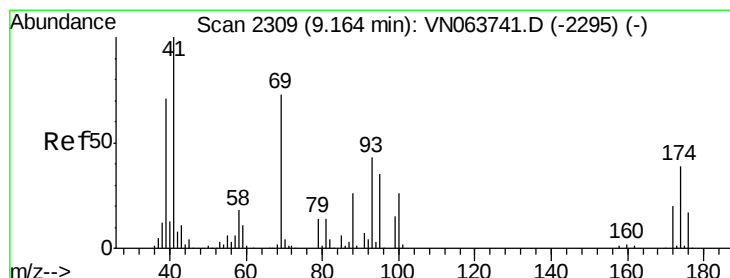
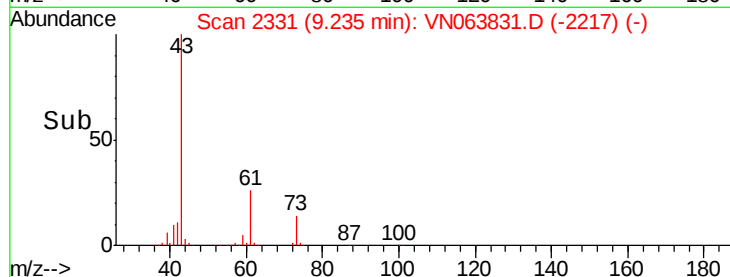
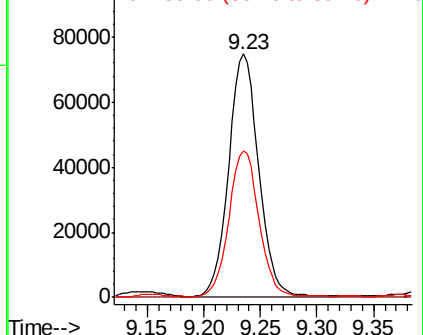
#48
Methyl methacrylate
Concen: 42.442 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#10

Tot Ion: 41 Resp: 137866
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 60.8 57.5 86.3

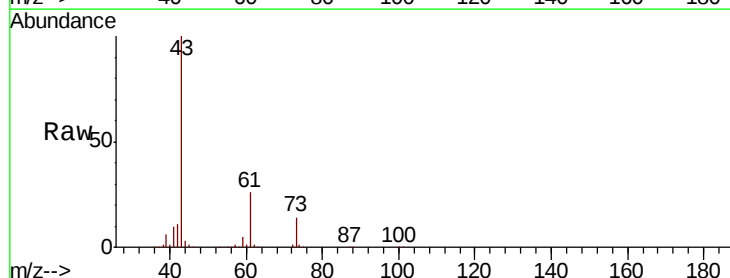


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

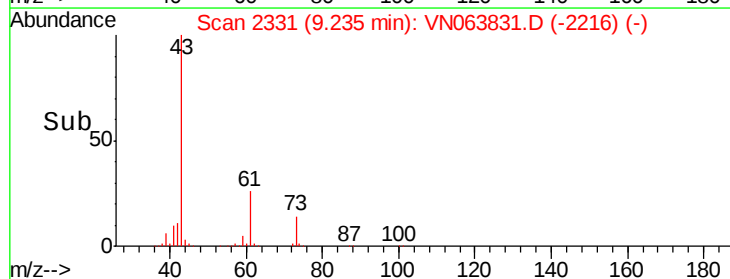
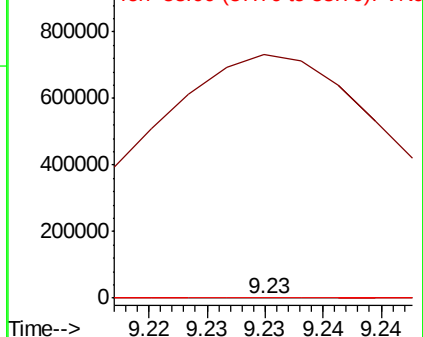


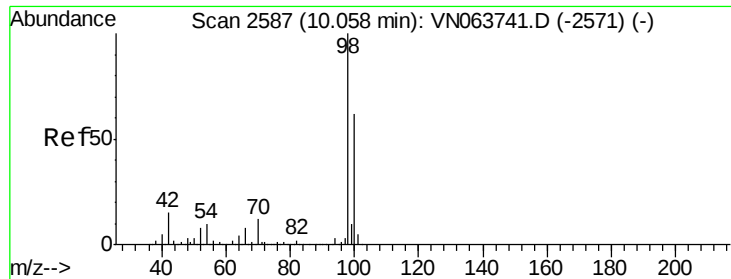
#49
1,4-Dioxane
Concen: 0.628 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 4580262.1 33.1 49.7#
58 20679.3 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 47.970 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

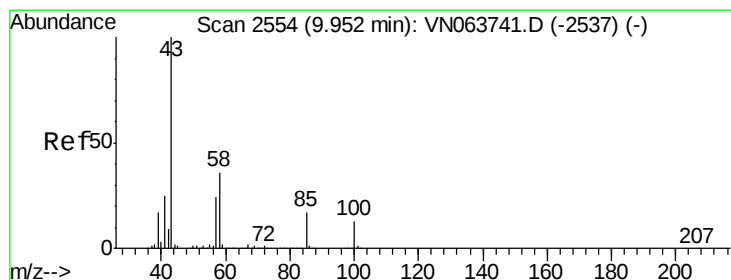
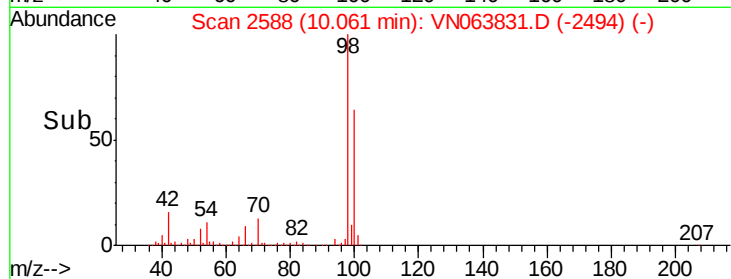
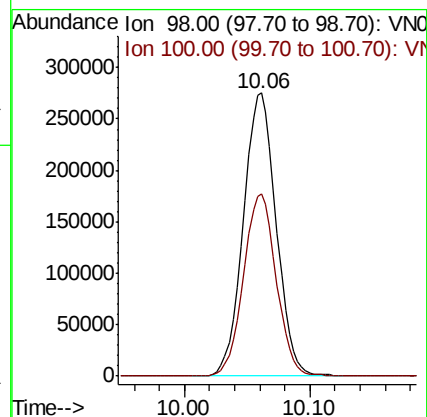
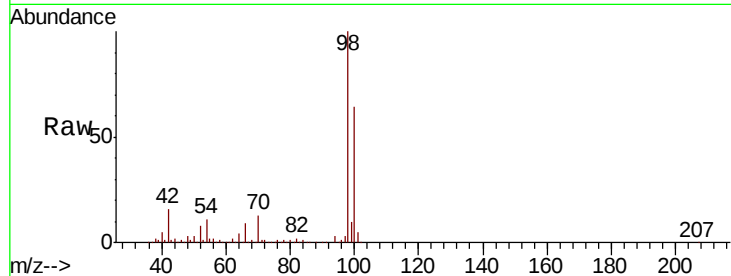
PB132030ZHE#10

Tot Ion: 98 Resp: 499701

Ion Ratio Lower Upper

98 100

100 64.3 49.8 74.6



#51

4-Methyl-2-Pentanone

Concen: 2.093 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063831.D

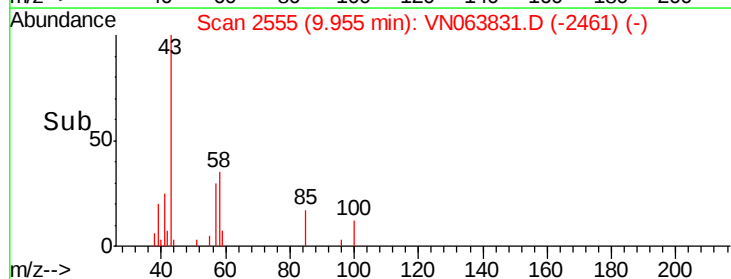
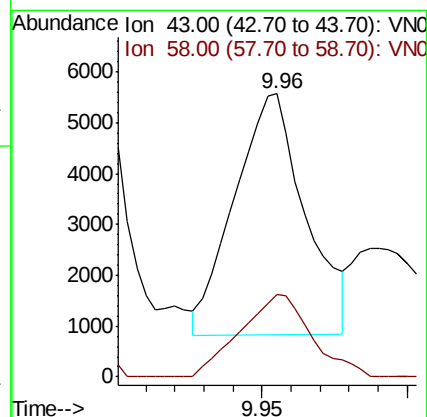
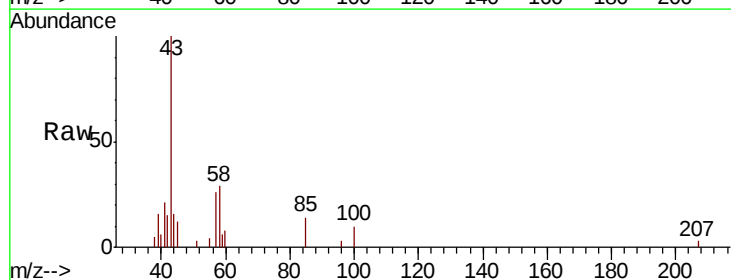
Acq: 2 Oct 2020 19:08

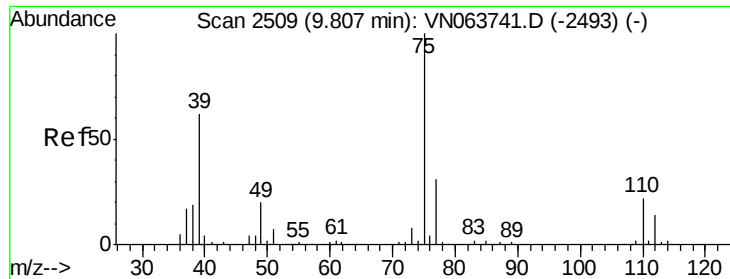
Tgt Ion: 43 Resp: 8077

Ion Ratio Lower Upper

43 100

58 34.3 28.4 42.6



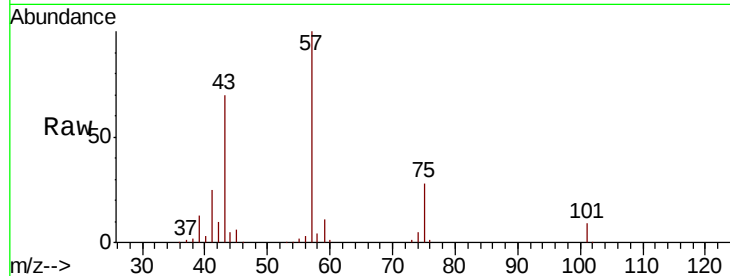


#54

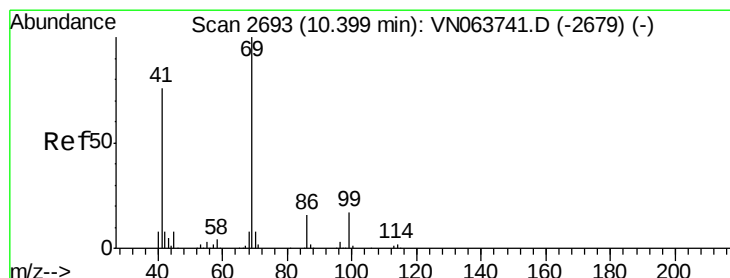
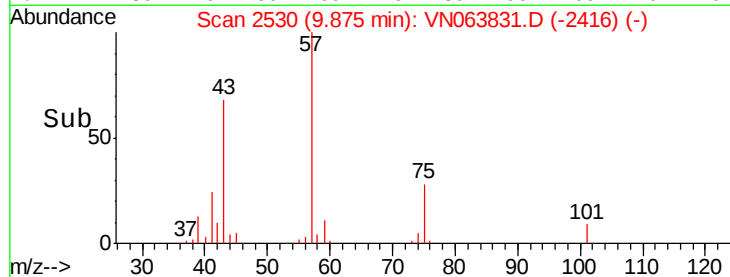
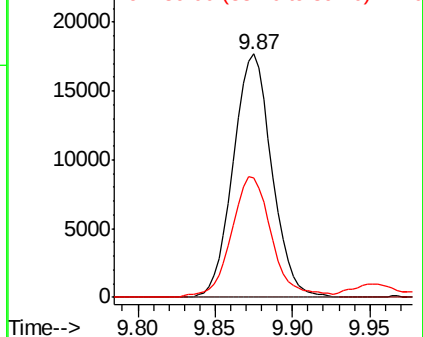
cis-1,3-Dichloropropene
 Concen: 6.217 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063831.D
 Acq: 2 Oct 2020 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#10

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.6	36.8#
39	47.9	49.7	74.5#



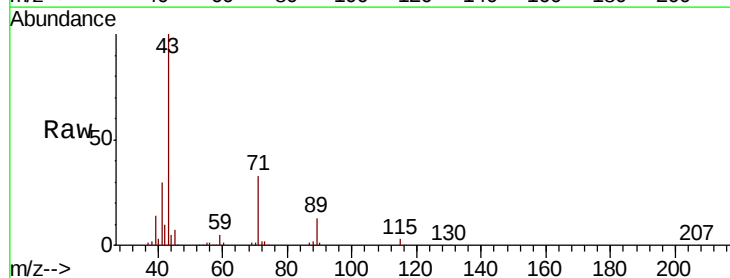
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



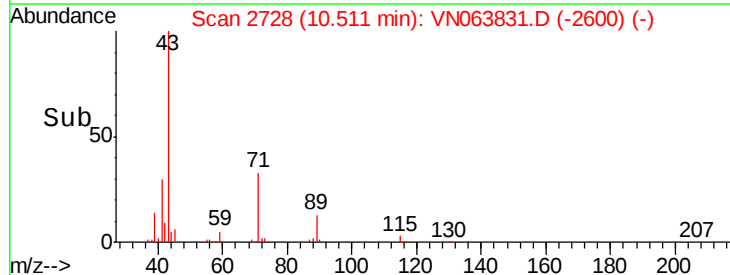
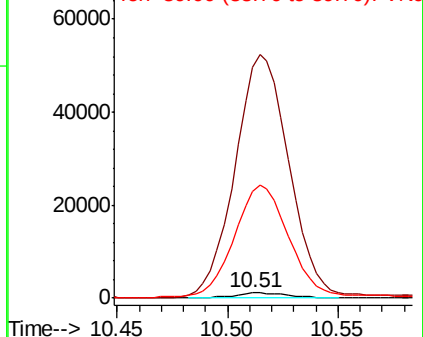
#56

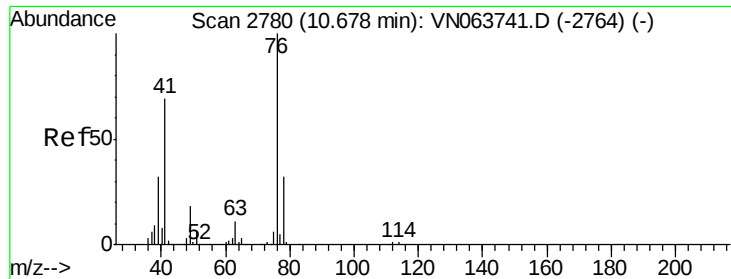
Ethyl methacrylate
 Concen: 0.490 ug/l
 RT: 10.51 min Scan# 2728
 Delta R.T. 0.11 min
 Lab File: VN063831.D
 Acq: 2 Oct 2020 19:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4487.4	61.1	91.7#
39	2141.2	42.2	63.4#



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

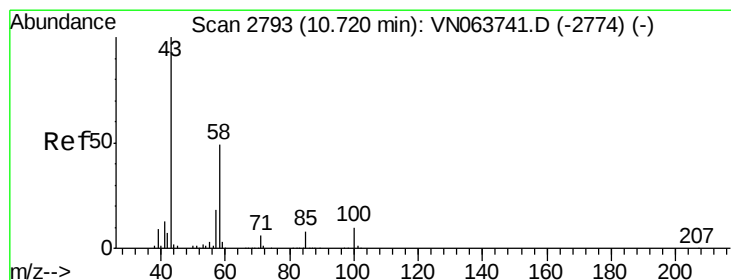
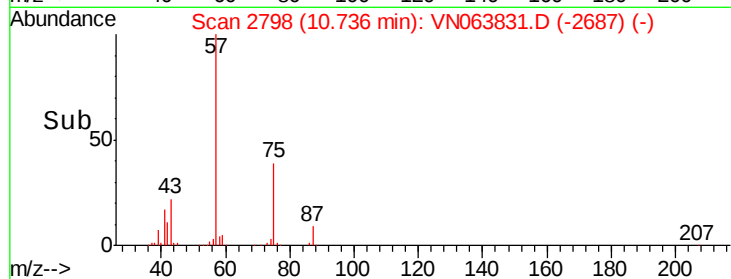
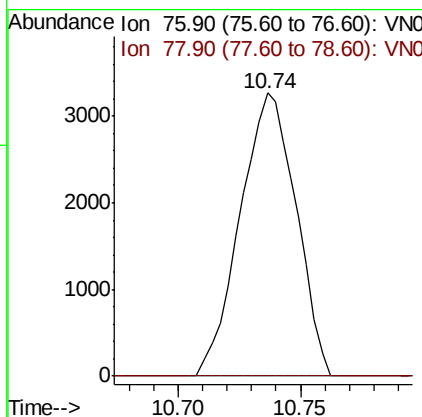
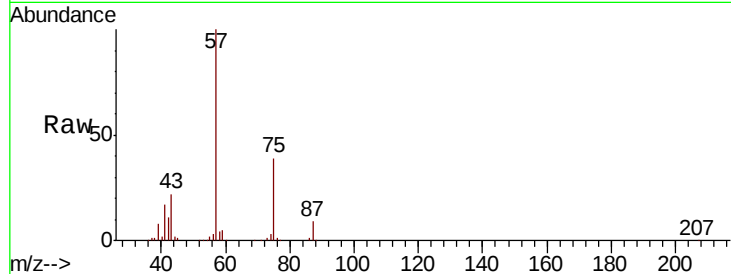




#57
 1,3-Dichloropropane
 Concen: 1.078 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN063831.D
 Acq: 2 Oct 2020 19:08

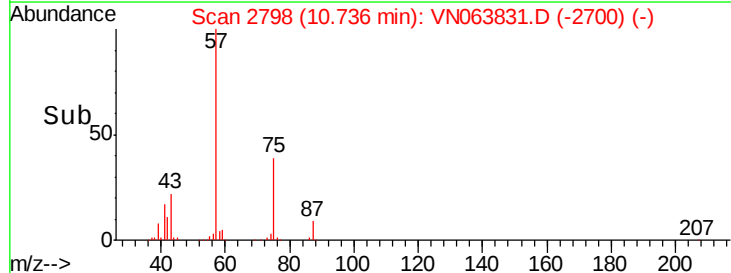
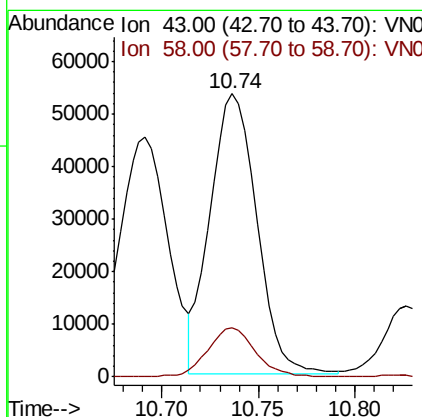
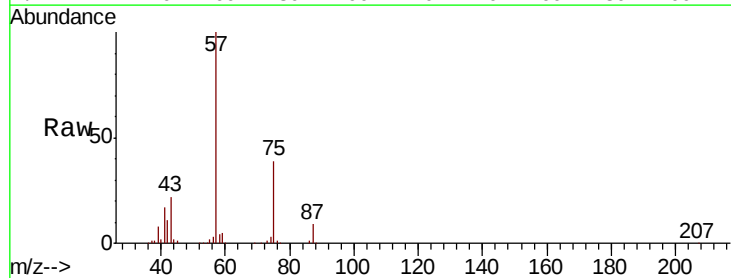
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#10

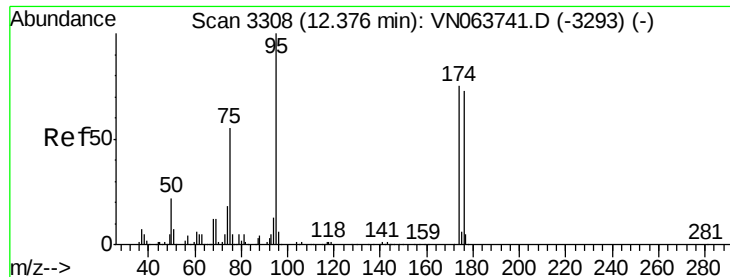
Tot Ion: 76 Resp: 5183
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 31.163 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN063831.D
 Acq: 2 Oct 2020 19:08

Tgt Ion: 43 Resp: 89321
 Ion Ratio Lower Upper
 43 100
 58 18.1 24.6 73.8#

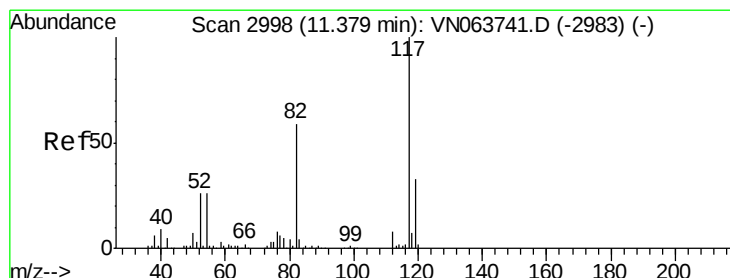
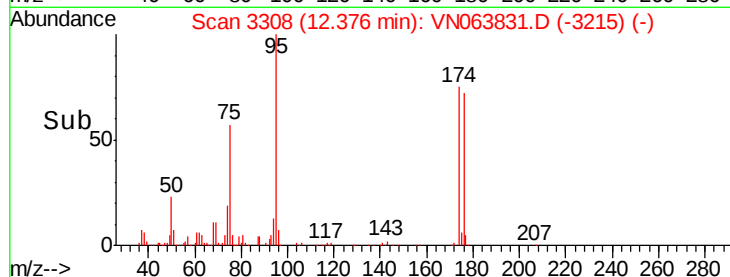
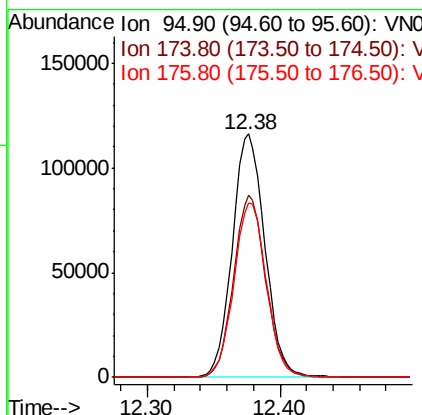
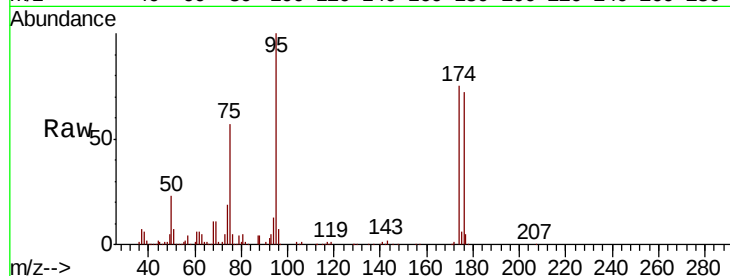




#62
4-Bromofluorobenzene
Concen: 50.618 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

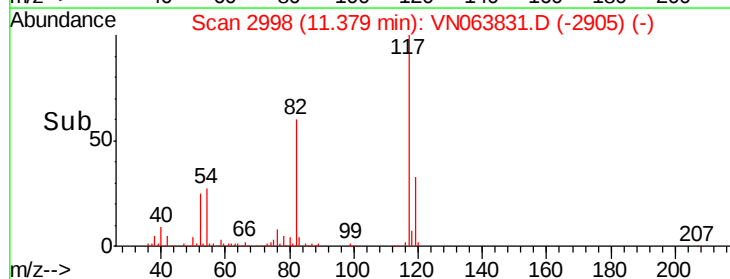
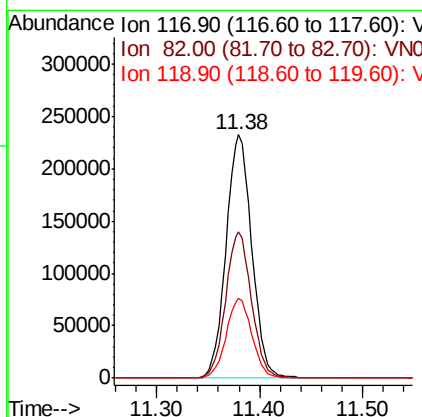
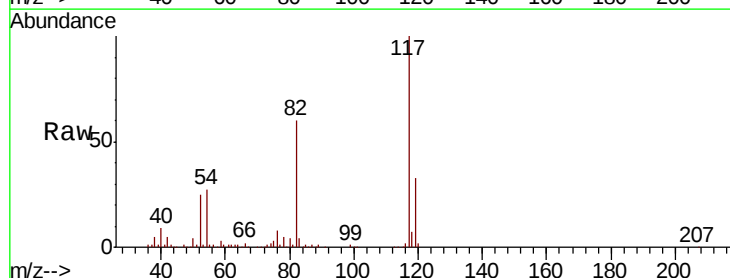
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#10

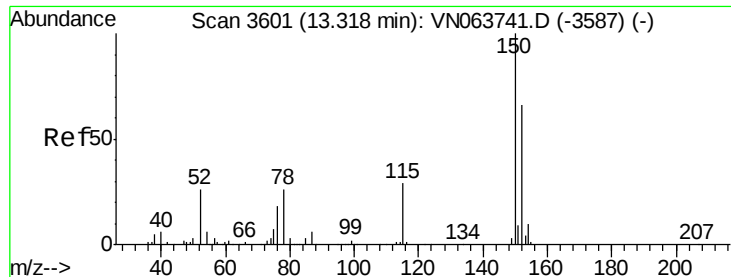
Tot Ion: 95 Resp: 198212
Ion Ratio Lower Upper
95 100
174 73.7 0.0 150.6
176 71.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063831.D
Acq: 2 Oct 2020 19:08

Tgt Ion: 117 Resp: 404267
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 33.0 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#10

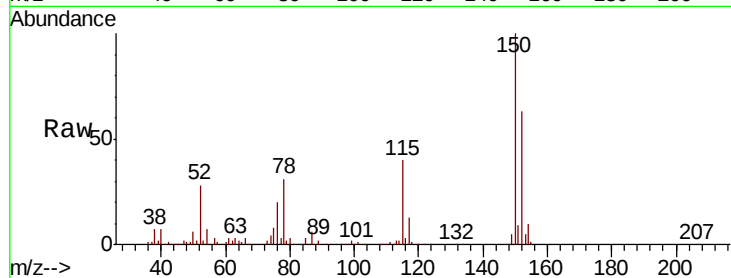
Tot Ion:152 Resp: 163650

Ion Ratio Lower Upper

152 100

115 63.0 31.3 93.8

150 157.2 0.0 341.8

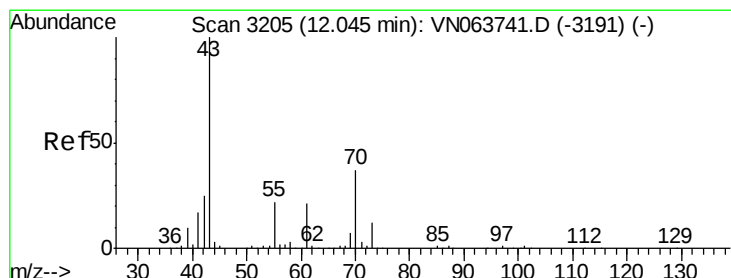
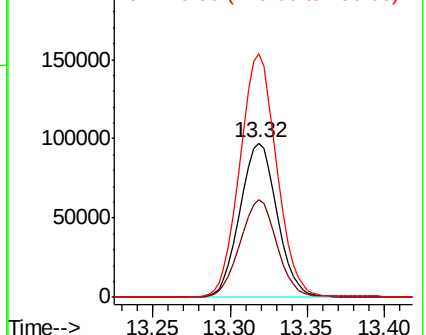
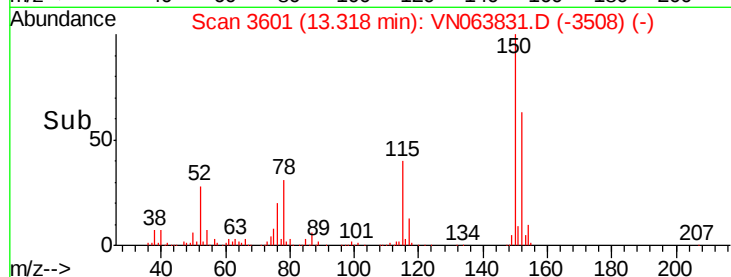


Abundance

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: 2.820 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Tgt Ion: 43 Resp: 3506

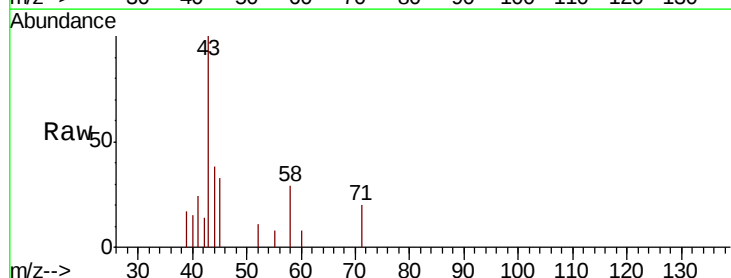
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 11.0 17.9 26.9#

61 0.0 17.0 25.4#



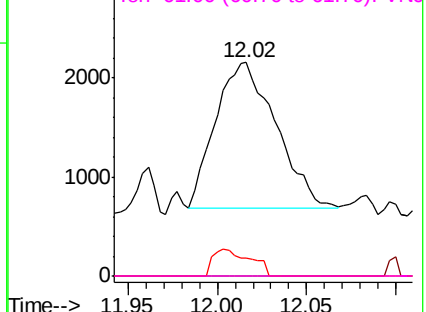
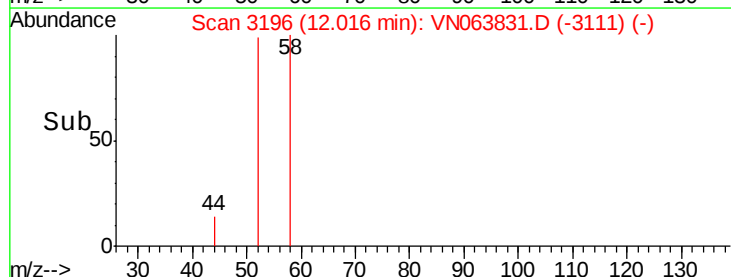
Abundance

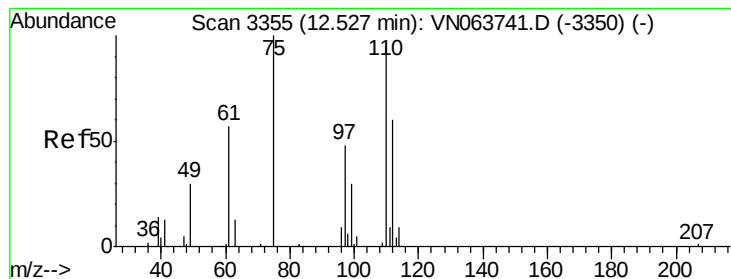
Ion 43.00 (42.70 to 43.70): V

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: 31.178 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

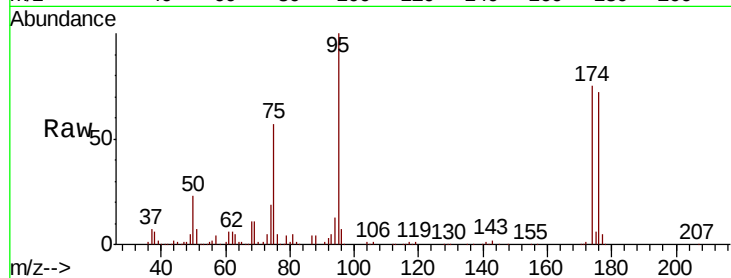
PB132030ZHE#10

Tot Ion: 75 Resp: 112475

Ion Ratio Lower Upper

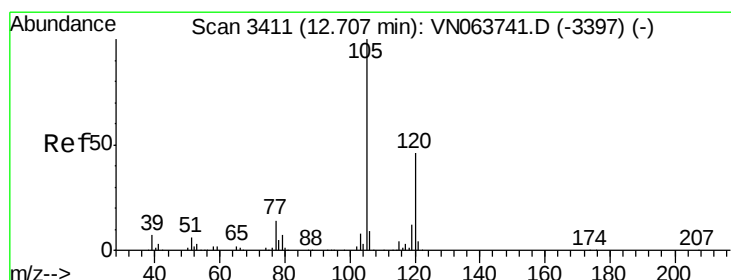
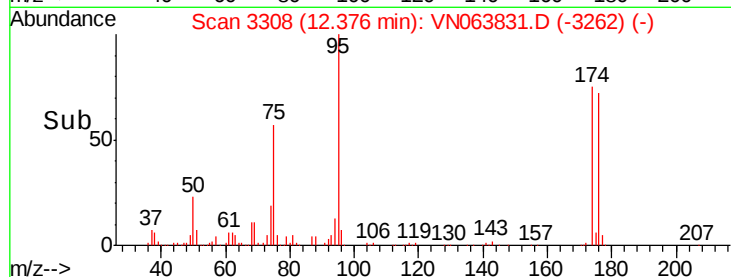
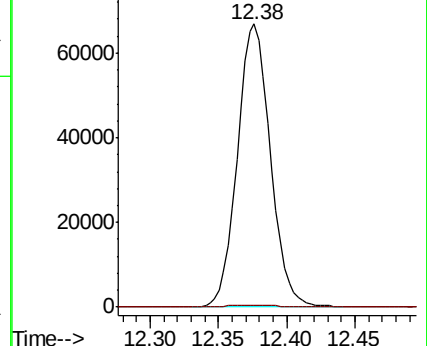
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063831.D (-3308) (-)

Ion 77.00 (76.70 to 77.70): VN063831.D (-3308) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.598 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063831.D

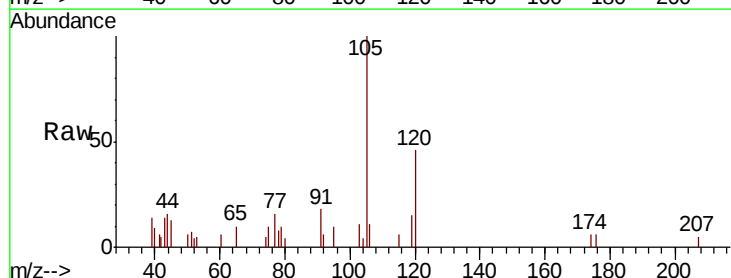
Acq: 2 Oct 2020 19:08

Tgt Ion: 105 Resp: 5993

Ion Ratio Lower Upper

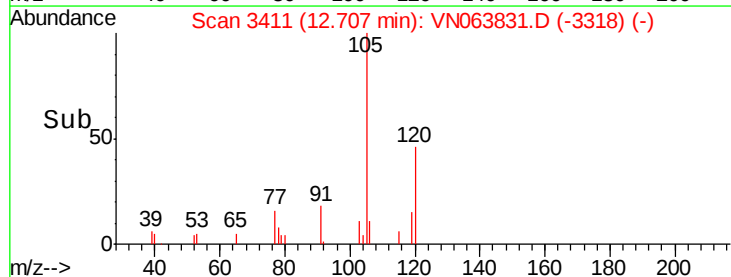
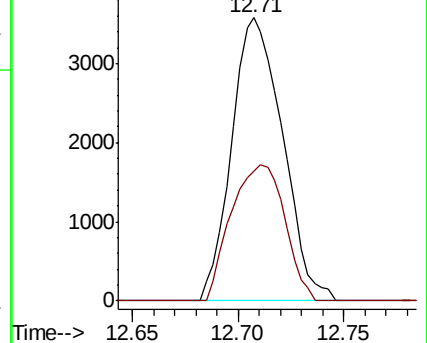
105 100

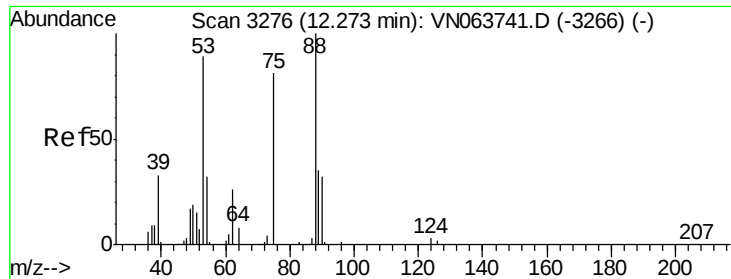
120 50.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063831.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063831.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 89.798 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063831.D

Acq: 2 Oct 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#10

Tot Ion: 75 Resp: 112475

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.0 36.0 54.0#

