

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063377.D
 Acq On : 16 Sep 2020 20:18
 Operator : JC/MD
 Sample : PB131646ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#10

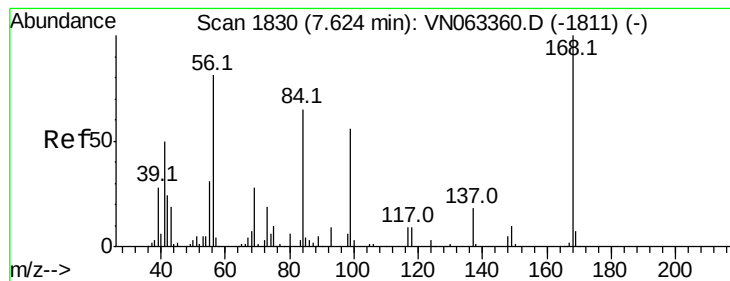
Quant Time: Sep 17 04:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	465175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	460450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194793	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	199053	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.55	113	146579	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
50) Toluene-d8	10.06	98	595390	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.38	95	239109	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	15020	11.177	ug/l	99
18) Methyl Acetate	4.29	43	5933	1.739	ug/l	93
20) Methylene Chloride	4.51	84	13418	3.941	ug/l	99
25) 2-Butanone	6.79	43	4296	2.079	ug/l #	70
29) Tetrahydrofuran	7.17	42	1081	0.766	ug/l	90
31) Cyclohexane	7.62	56	6809	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	22685	4.577	ug/l #	52
38) Carbon Tetrachloride	7.62	117	26933	5.324	ug/l #	17
43) Isopropyl Acetate	8.13	43	89790	10.324	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1616	0.419	ug/l #	43
48) Methyl methacrylate	9.15	41	4717	1.104	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	9690	1.990	ug/l	91
54) cis-1,3-Dichloropropene	9.87	75	37555	6.062	ug/l #	63
56) Ethyl methacrylate	10.52	69	1368	0.259	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6854	1.125	ug/l #	42
59) 2-Hexanone	10.74	43	102295	29.000	ug/l #	54
74) N-amyl acetate	12.00	43	2345	0.317	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	134844	27.968	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	11266	0.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	134844	76.677	ug/l #	7

(#) = 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: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

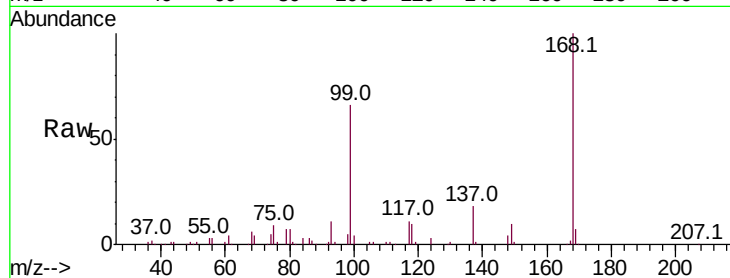
PB131646ZHE#10

Tot Ion:168 Resp: 245633

Ion Ratio Lower Upper

168 100

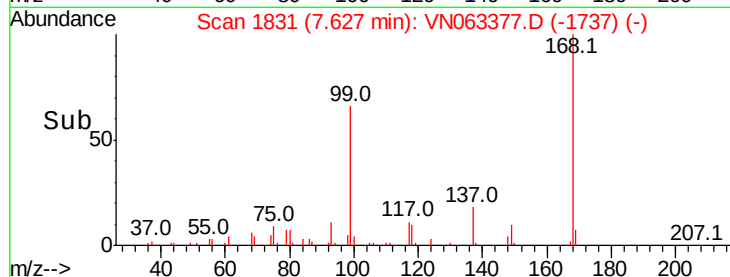
99 65.9 53.0 79.6



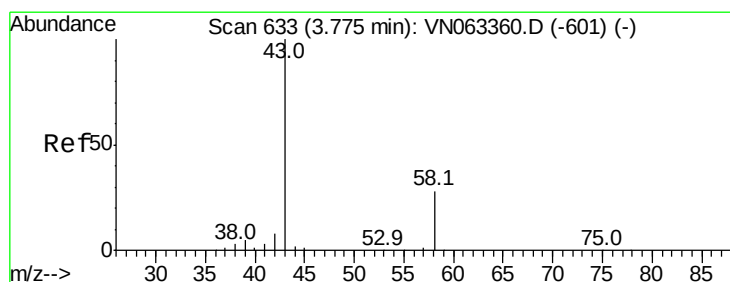
Abundance Ion 167.90 (167.60 to 168.60): VN063377.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN063377.D (-1737) (-)

7.63



Time-->



#16

Acetone

Concen: 11.177 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063377.D

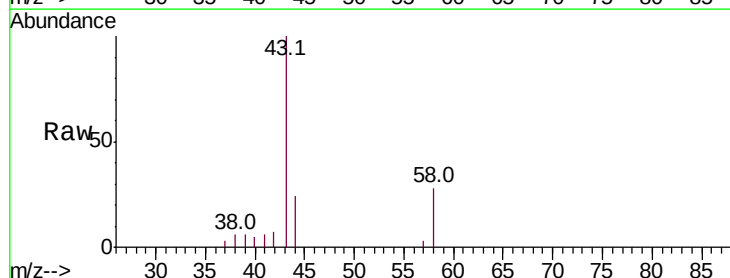
Acq: 16 Sep 2020 20:18

Tgt Ion: 43 Resp: 15020

Ion Ratio Lower Upper

43 100

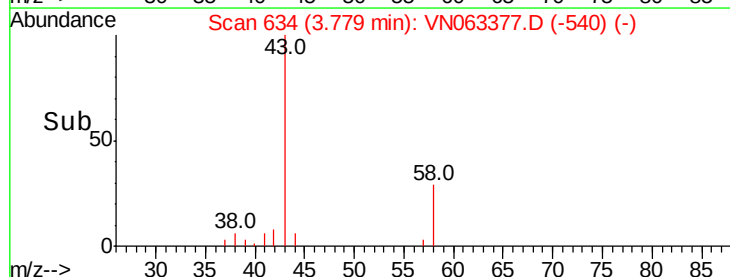
58 27.6 22.3 33.5



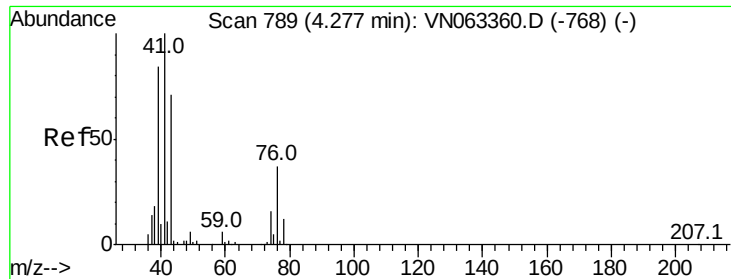
Abundance Ion 43.00 (42.70 to 43.70): VN063377.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN063377.D (-540) (-)

3.78



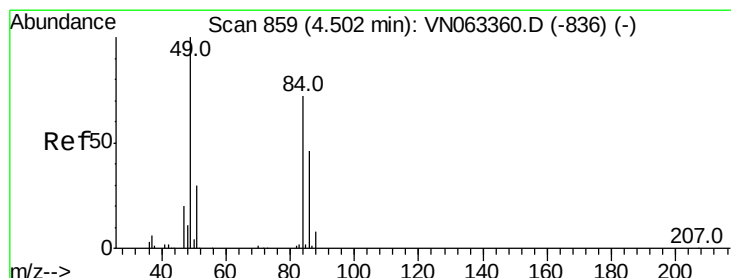
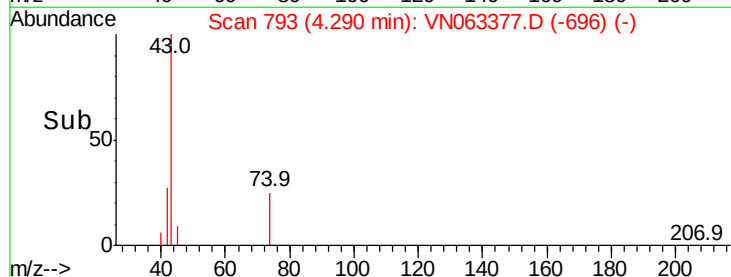
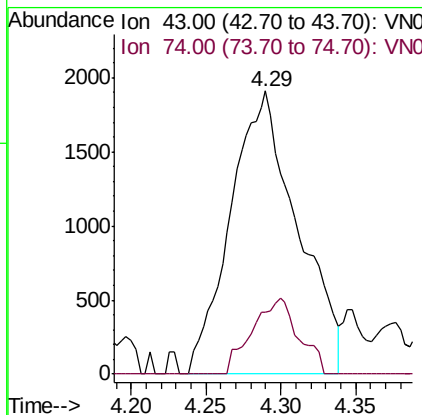
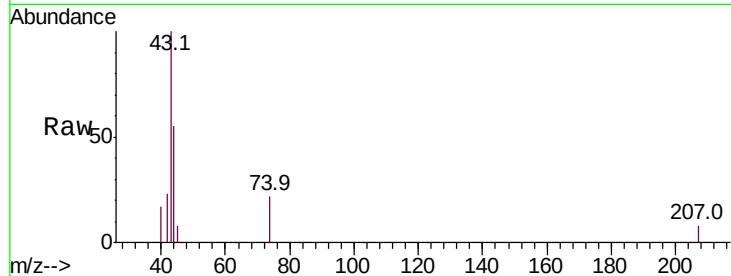
Time-->



#18
Methyl Acetate
Concen: 1.739 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

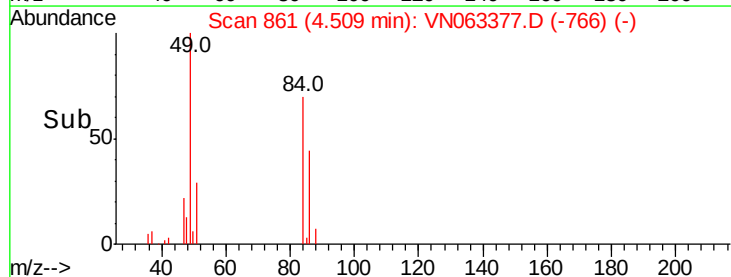
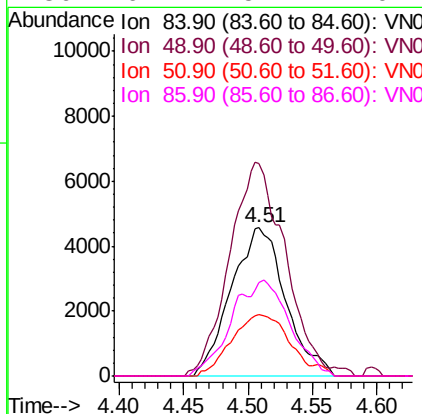
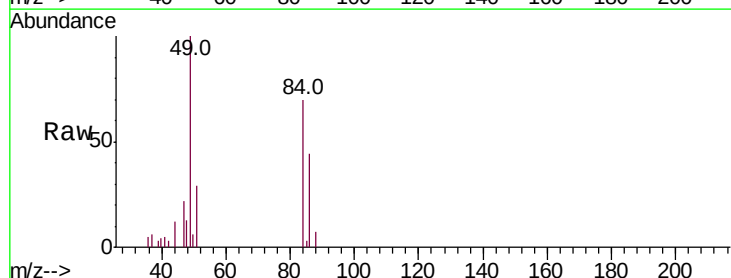
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#10

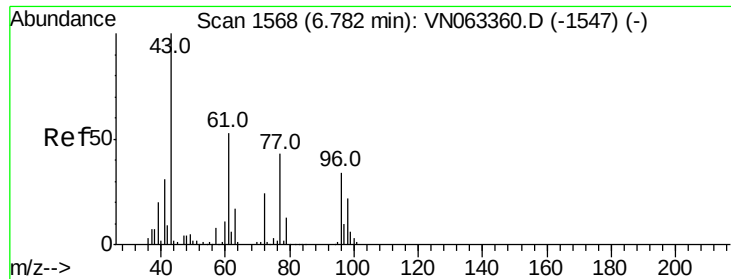
Tot Ion: 43 Resp: 5933
Ion Ratio Lower Upper
43 100
74 18.7 17.4 26.2



#20
Methylene Chloride
Concen: 3.941 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Tgt Ion: 84 Resp: 13418
Ion Ratio Lower Upper
84 100
49 139.4 110.7 166.1
51 41.0 32.9 49.3
86 62.7 51.1 76.7





#25

2-Butanone

Concen: 2.079 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

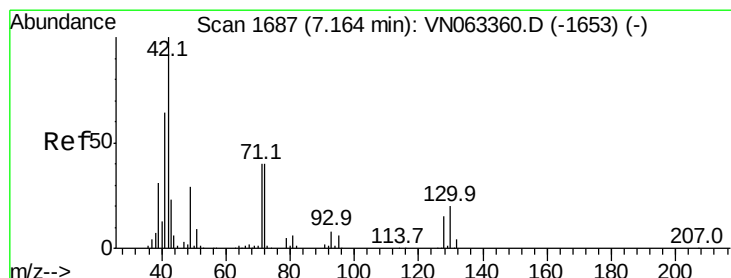
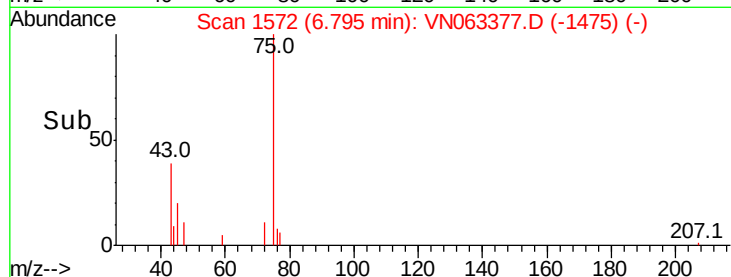
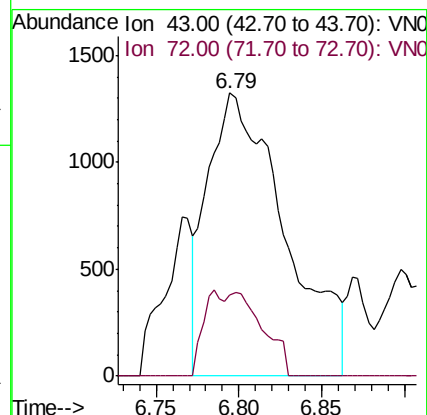
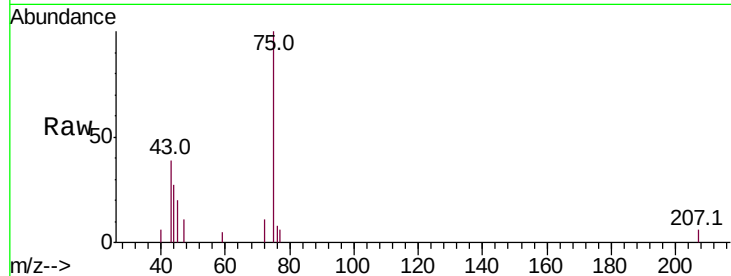
PB131646ZHE#10

Tot Ion: 43 Resp: 4296

Ion Ratio Lower Upper

43 100

72 38.6 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.766 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

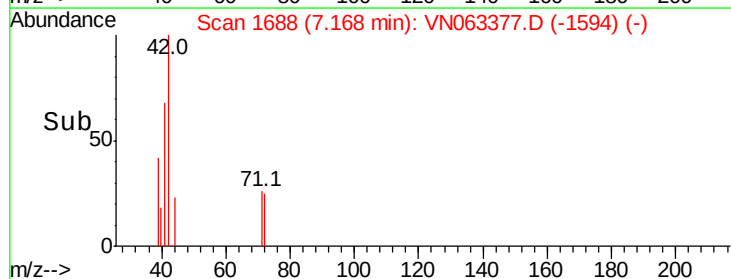
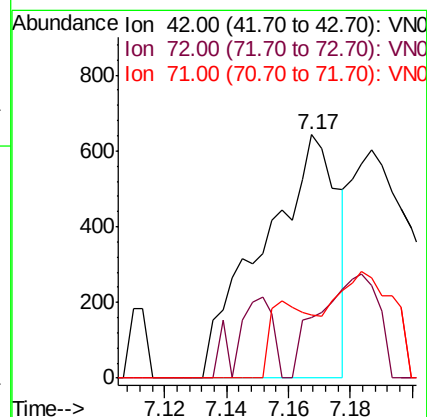
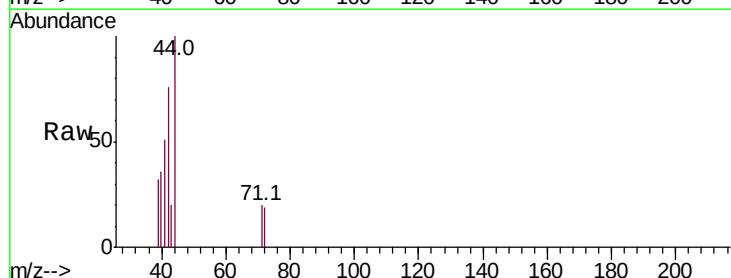
Tgt Ion: 42 Resp: 1081

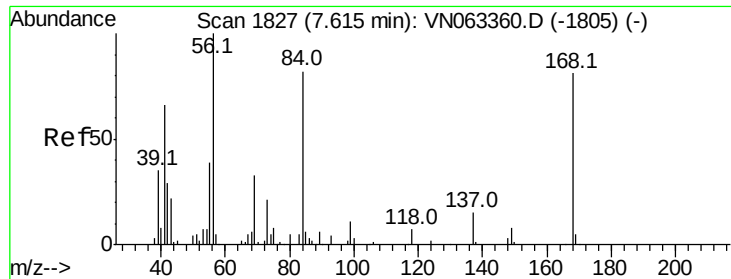
Ion Ratio Lower Upper

42 100

72 33.5 32.1 48.1

71 33.1 31.2 46.8

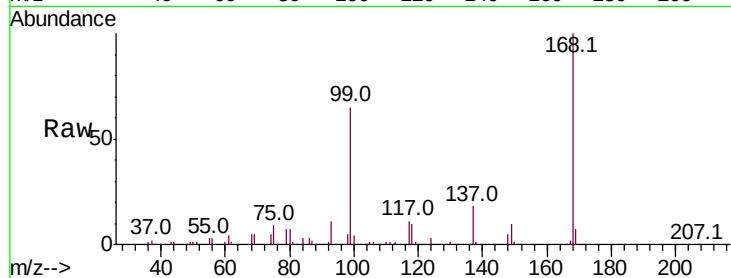




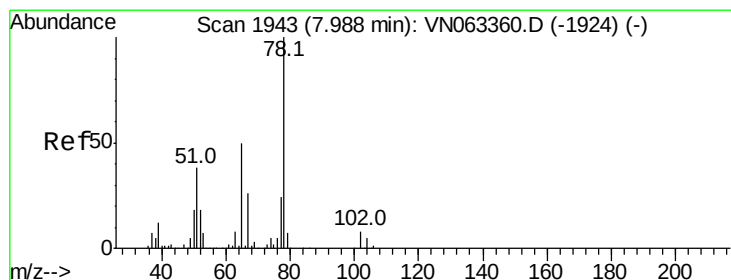
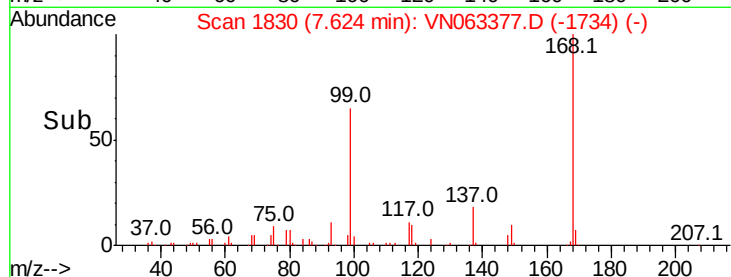
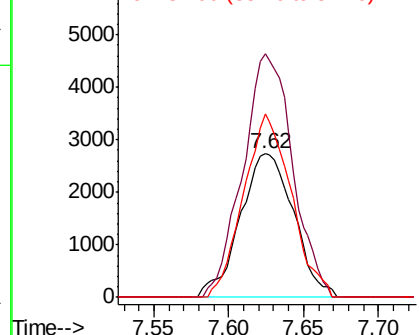
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#10

Tot Ion: 56 Resp: 6809
Ion Ratio Lower Upper
56 100
69 169.9 26.1 39.1#
84 127.7 65.4 98.2#

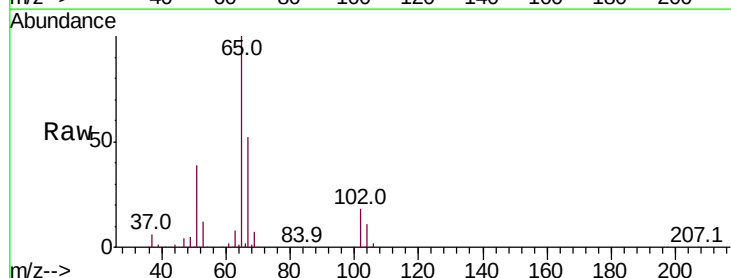


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

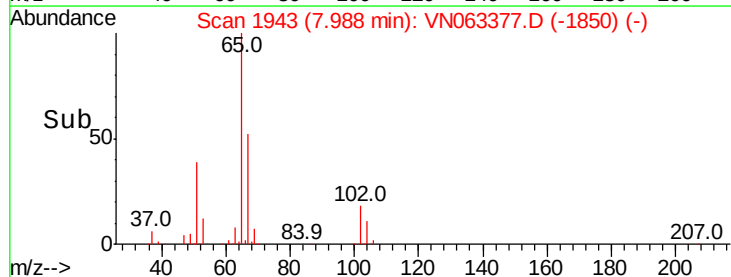
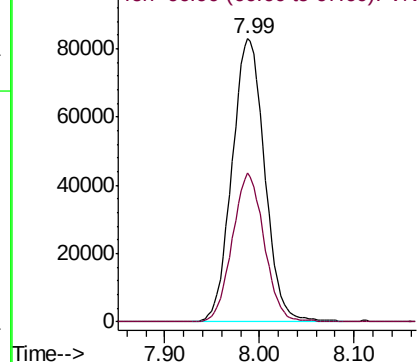


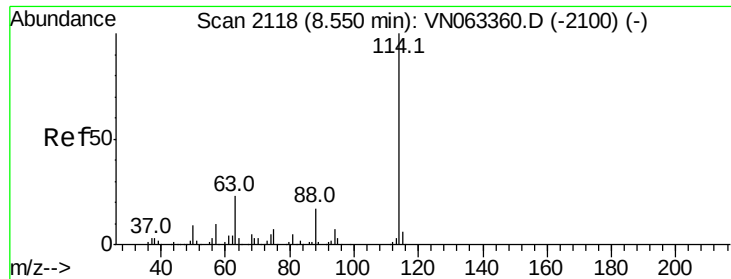
#33
1,2-Dichloroethane-d4
Concen: 47.605 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Tgt Ion: 65 Resp: 199053
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.2



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

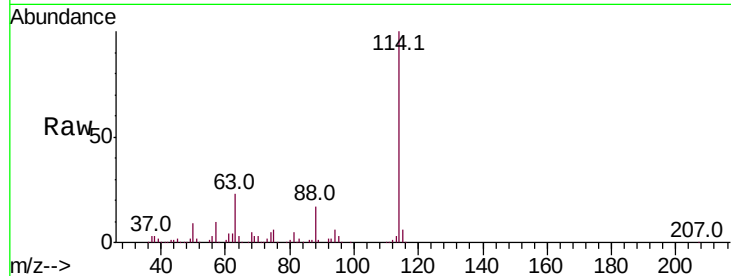




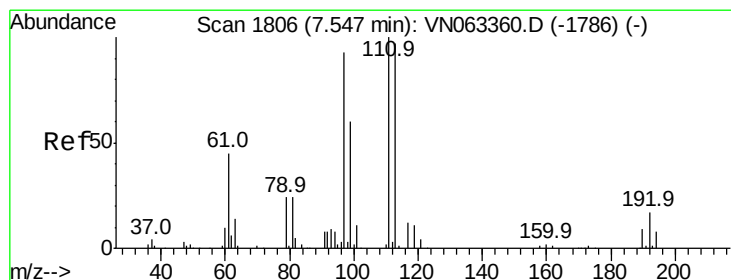
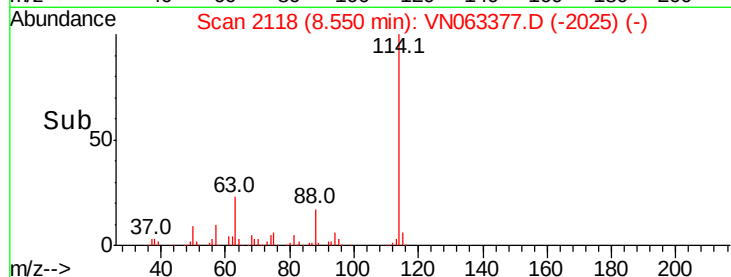
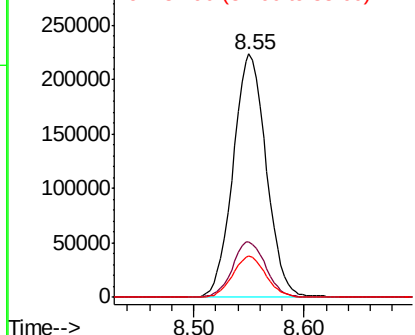
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#10

Tot Ion:	114	Resp:	465175
Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	46.4
88	16.9	0.0	33.2

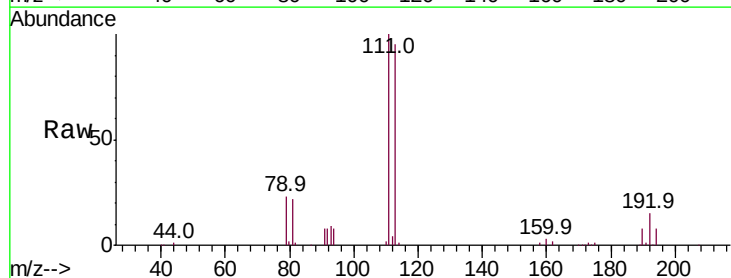


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

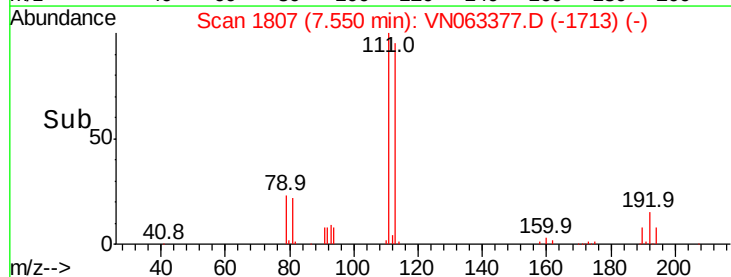
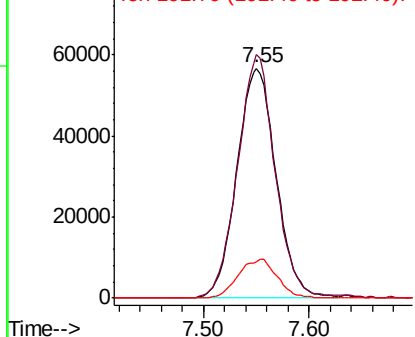


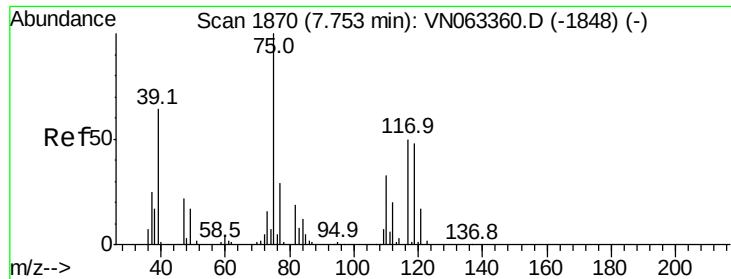
#35
Dibromofluoromethane
Concen: 45.517 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Tgt Ion:	113	Resp:	146579
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	17.0	13.9	20.9



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: 4.577 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#10

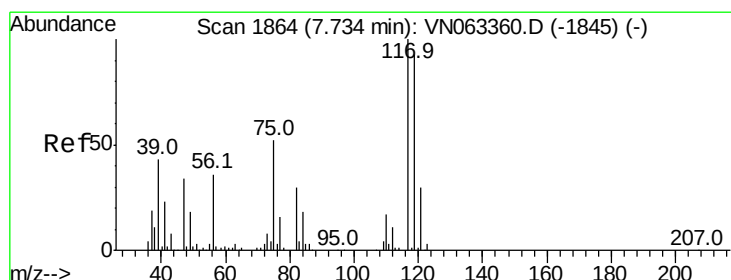
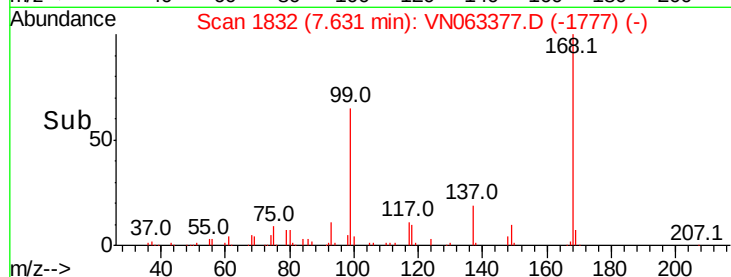
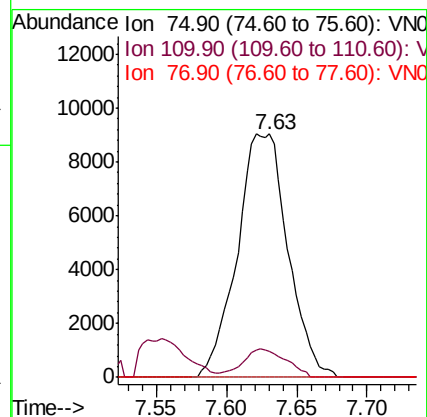
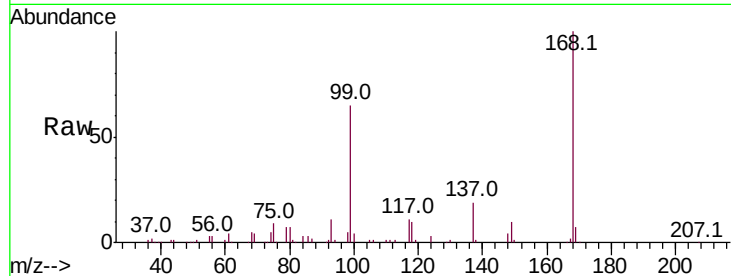
Tot Ion: 75 Resp: 22685

Ion Ratio Lower Upper

75 100

110 10.1 16.5 49.5#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

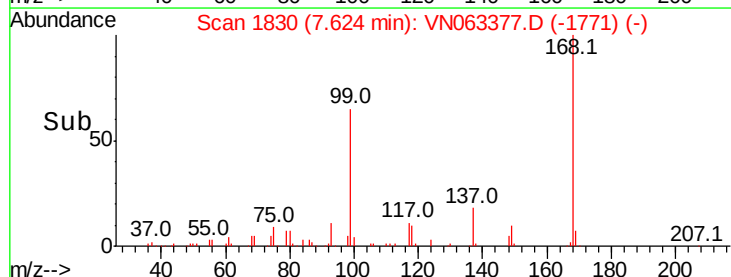
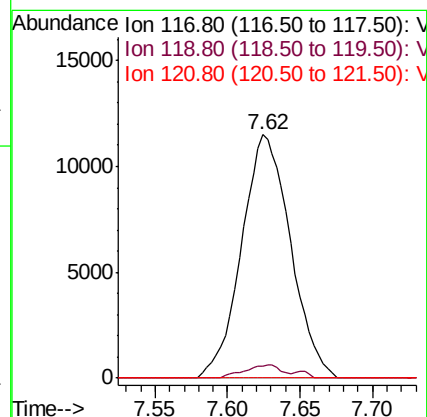
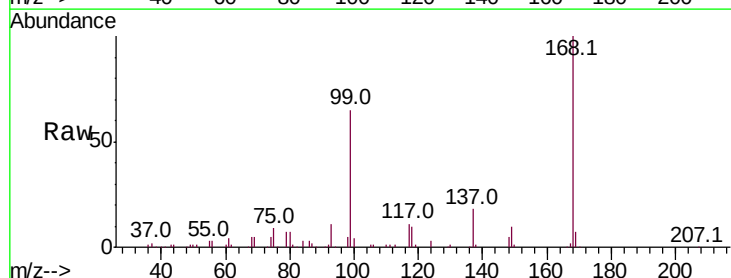
Tgt Ion: 117 Resp: 26933

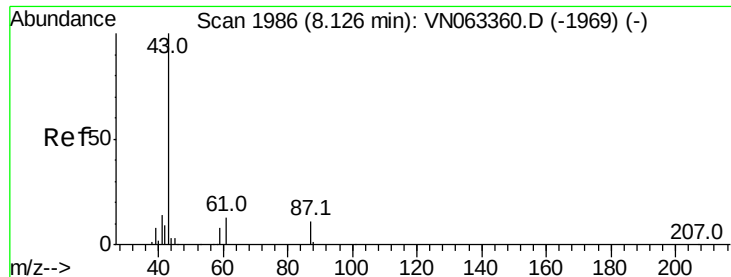
Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 10.324 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#10

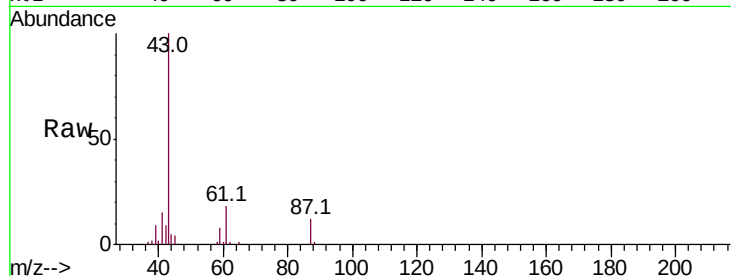
Tot Ion: 43 Resp: 89790

Ion Ratio Lower Upper

43 100

61 18.2 14.2 21.2

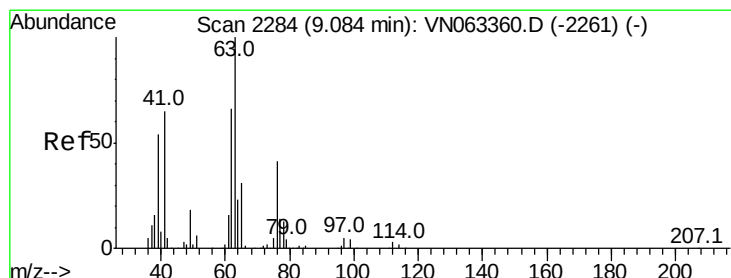
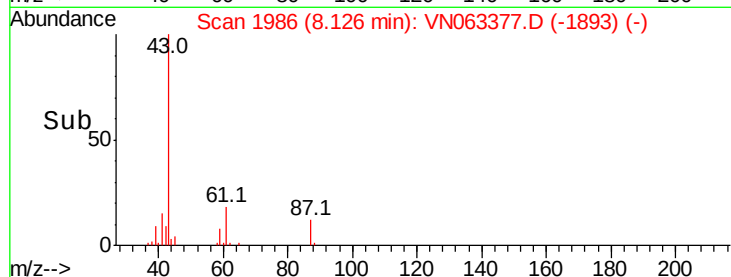
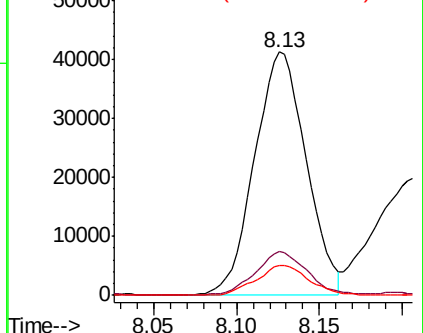
87 12.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063360.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063360.D (-1969) (-)



#45

1,2-Dichloropropane

Concen: 0.419 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063377.D

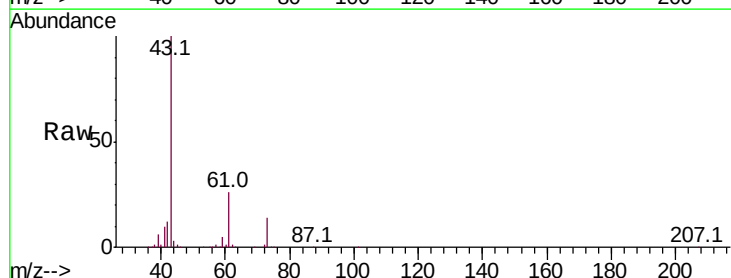
Acq: 16 Sep 2020 20:18

Tgt Ion: 63 Resp: 1616

Ion Ratio Lower Upper

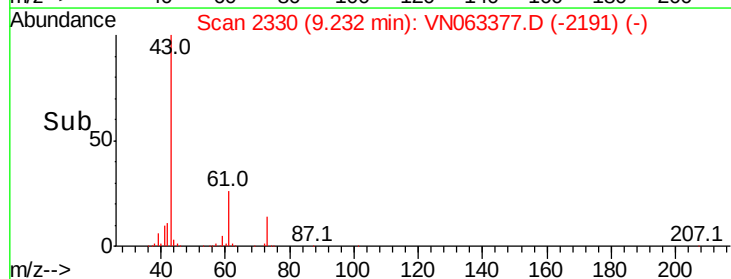
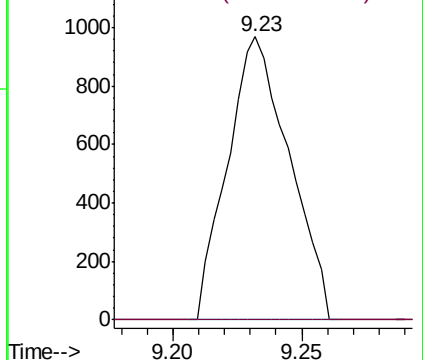
63 100

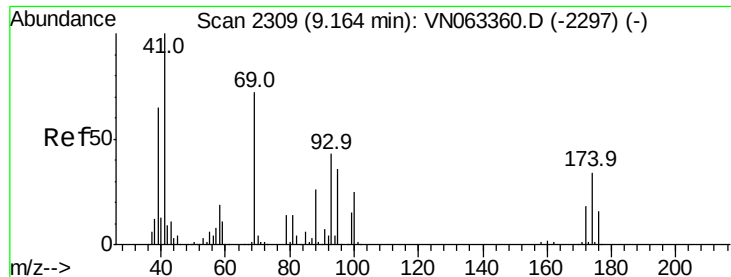
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN063360.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN063360.D (-2261) (-)

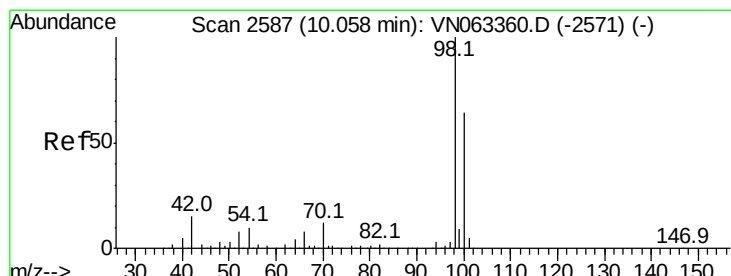
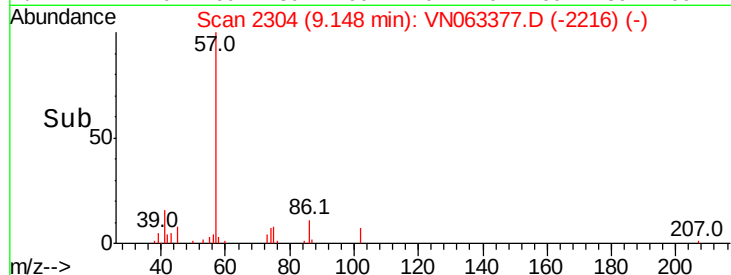
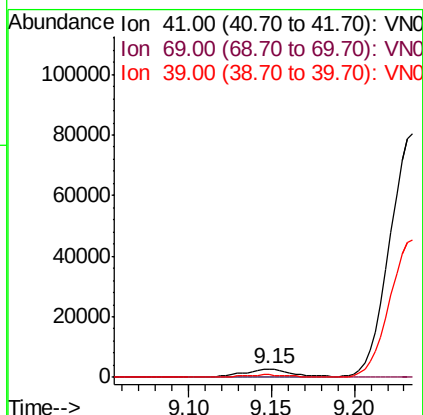
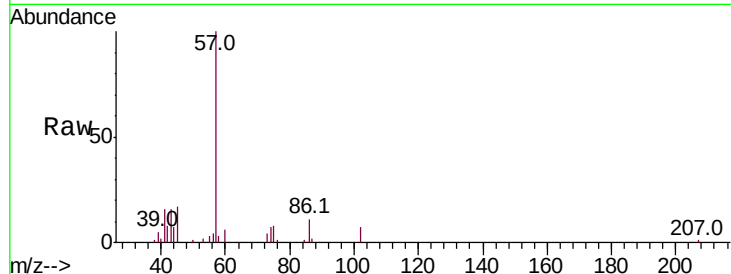




#48
Methyl methacrylate
Concen: 1.104 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

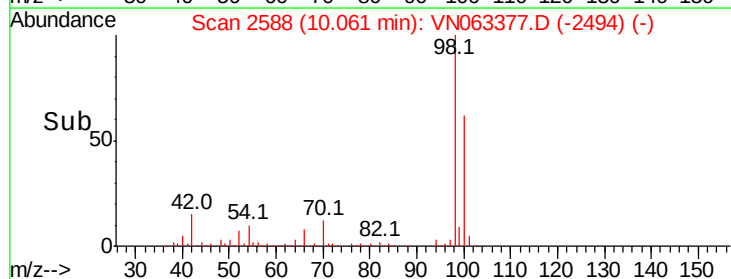
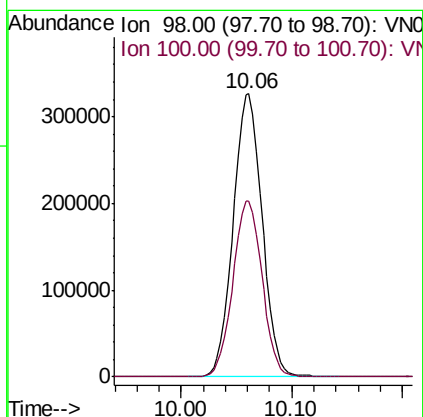
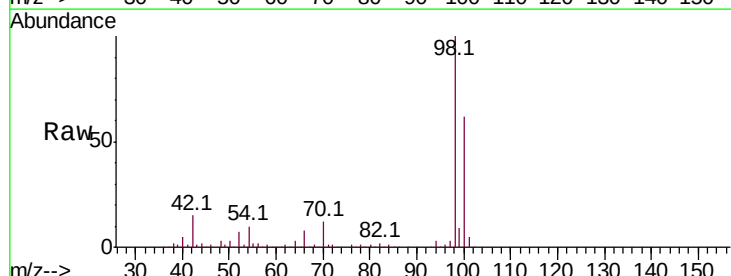
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#10

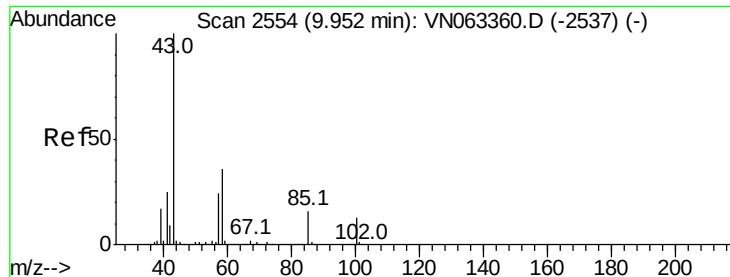
Tot Ion: 41 Resp: 4717
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#



#50
Toluene-d8
Concen: 49.169 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Tgt Ion: 98 Resp: 595390
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.990 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

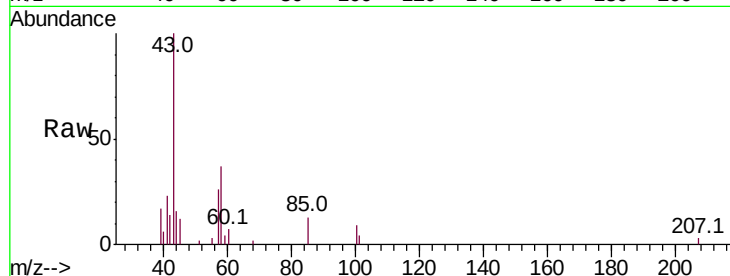
PB131646ZHE#10

Tot Ion: 43 Resp: 9690

Ion Ratio Lower Upper

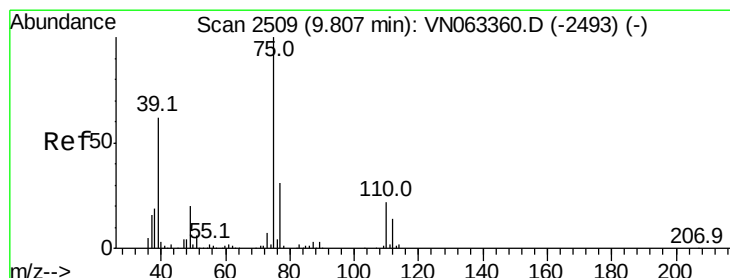
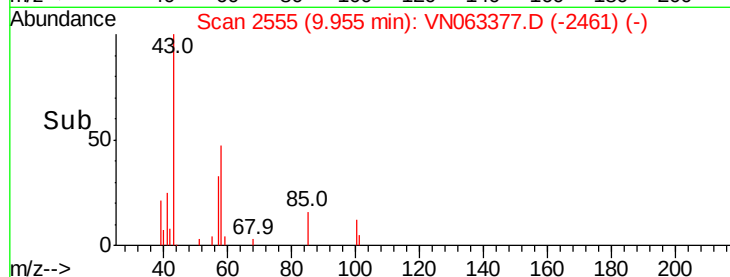
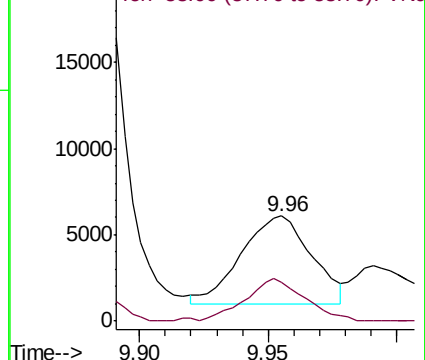
43 100

58 41.7 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.062 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

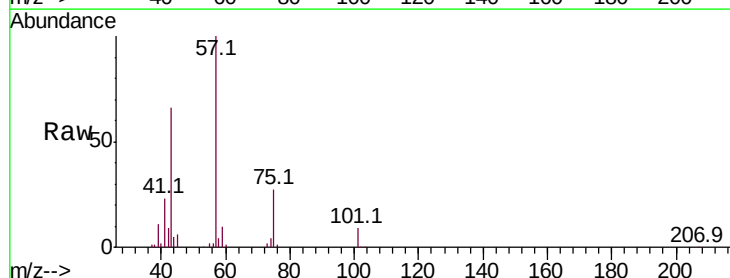
Tgt Ion: 75 Resp: 37555

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

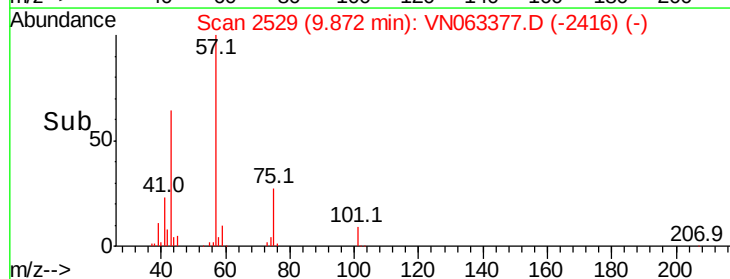
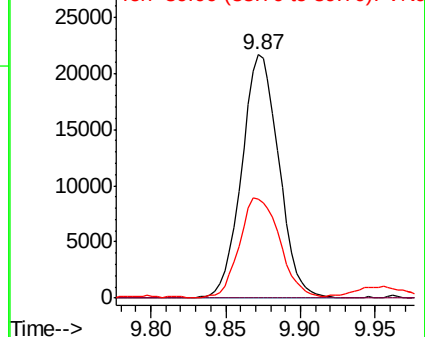
39 40.8 49.8 74.8#

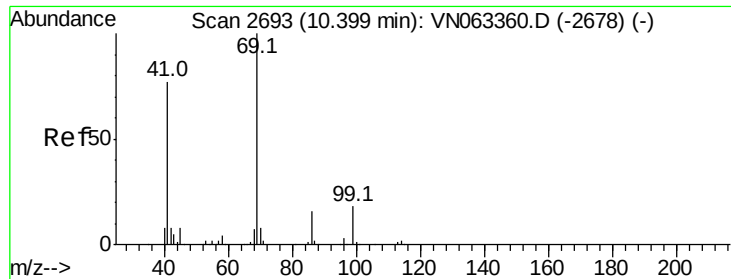


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.259 ug/l

RT: 10.52 min Scan# 2731

Delta R.T. 0.12 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#10

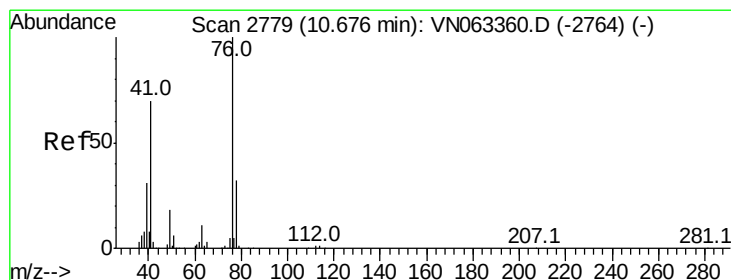
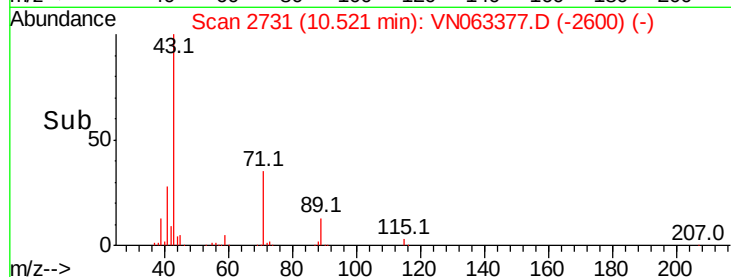
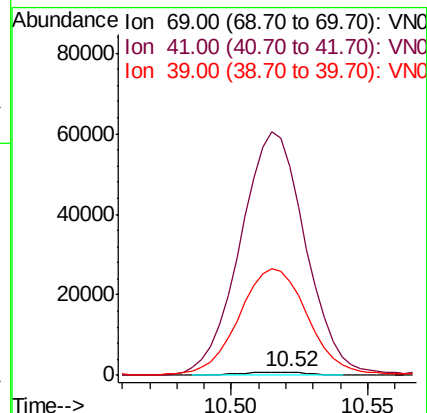
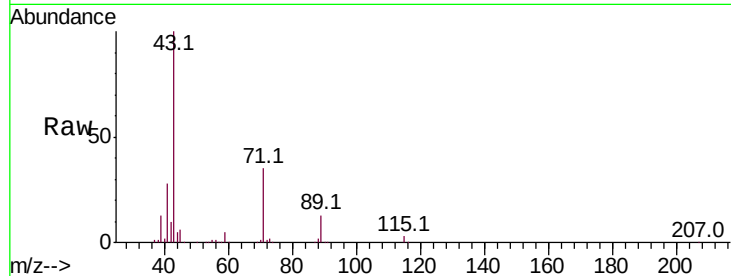
Tot Ion: 69 Resp: 1368

Ion Ratio Lower Upper

69 100

41 7424.7 61.0 91.6#

39 3452.3 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.125 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063377.D

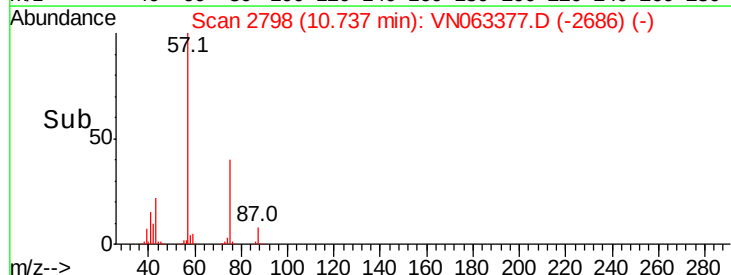
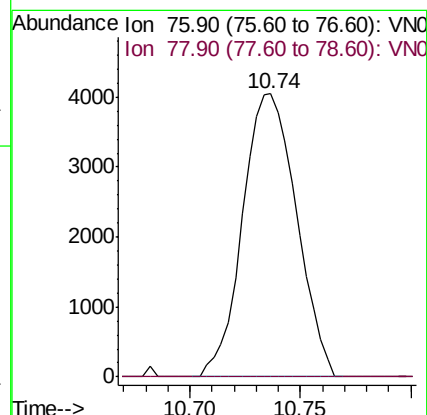
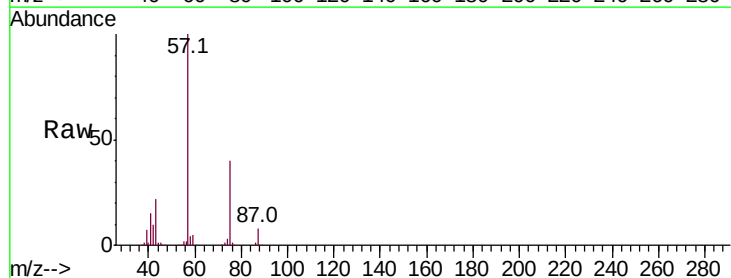
Acq: 16 Sep 2020 20:18

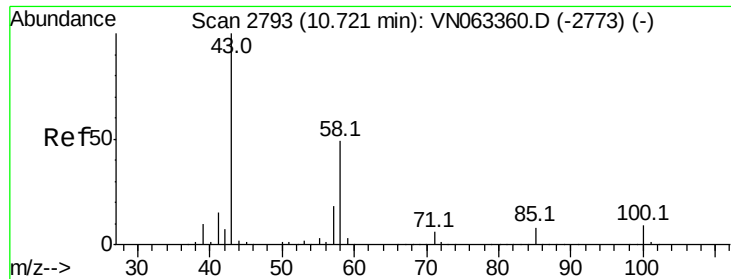
Tgt Ion: 76 Resp: 6854

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 29.000 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

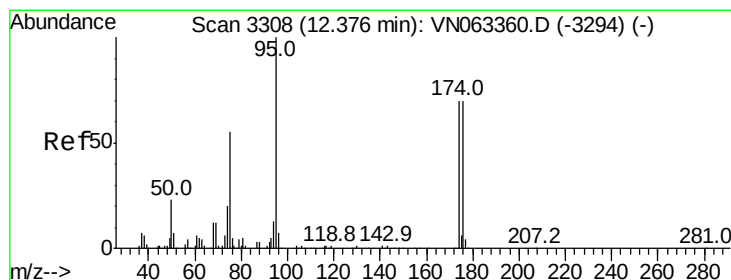
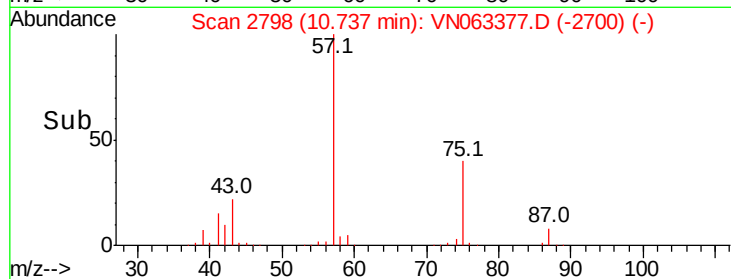
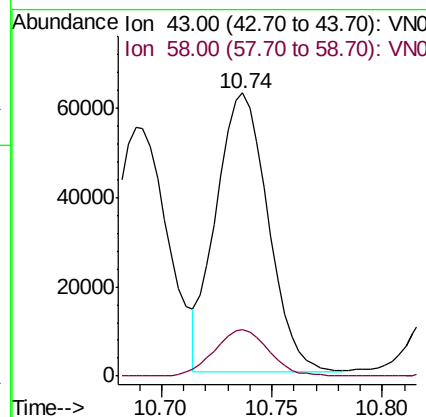
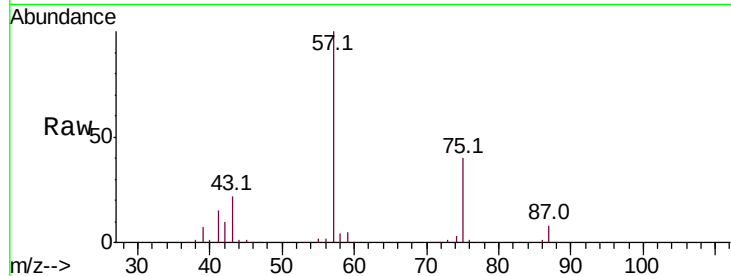
PB131646ZHE#10

Tot Ion: 43 Resp: 102295

Ion Ratio Lower Upper

43 100

58 17.6 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 53.866 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

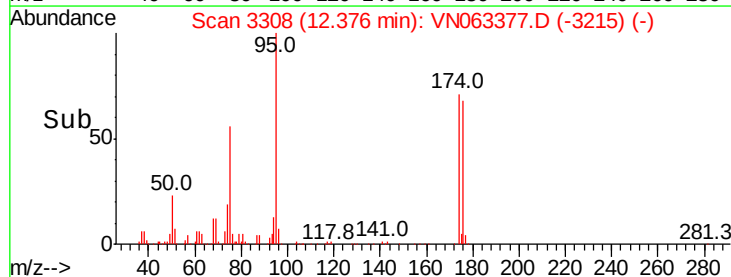
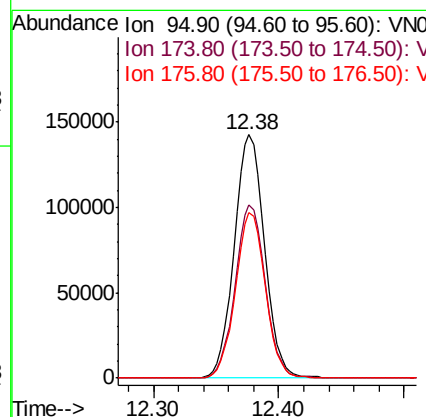
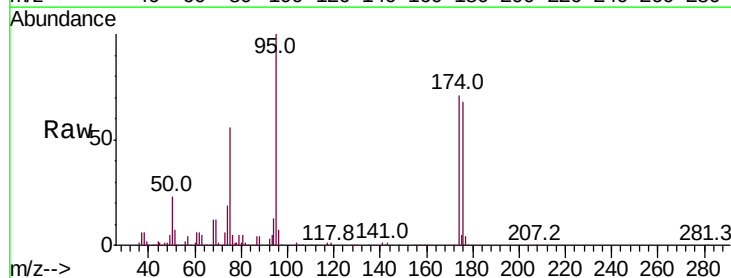
Tgt Ion: 95 Resp: 239109

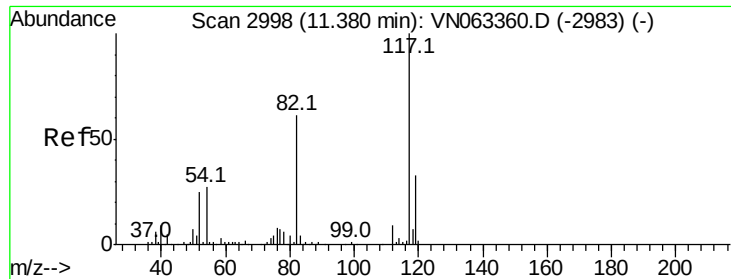
Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.8

176 67.3 0.0 137.6

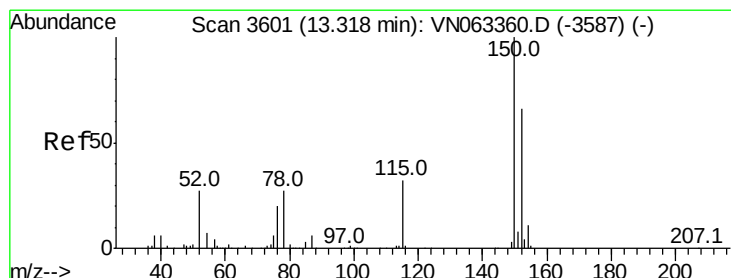
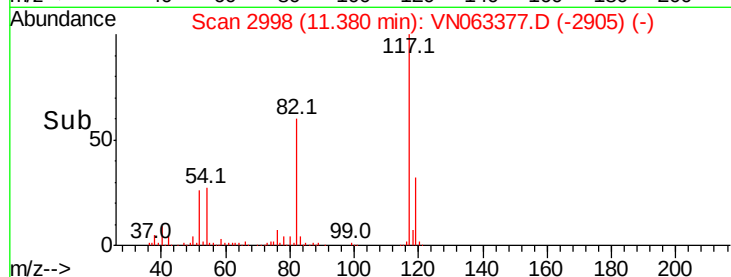
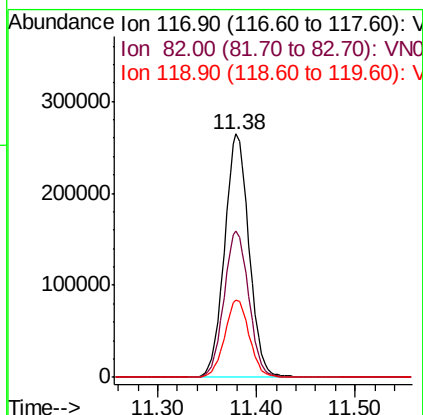
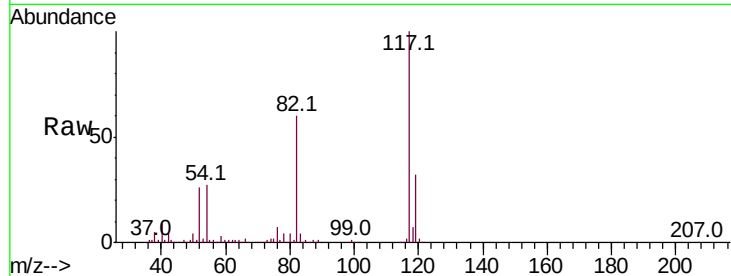




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

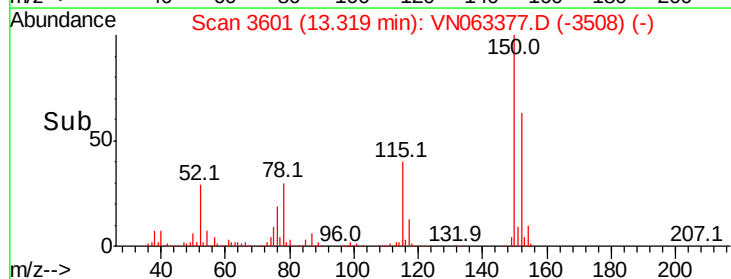
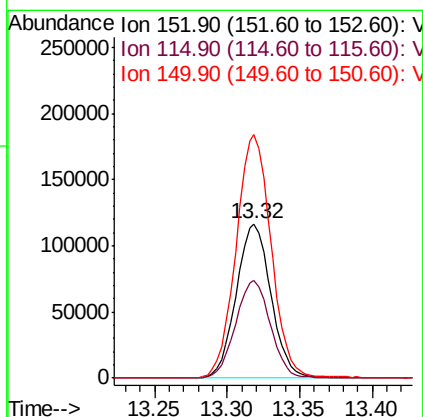
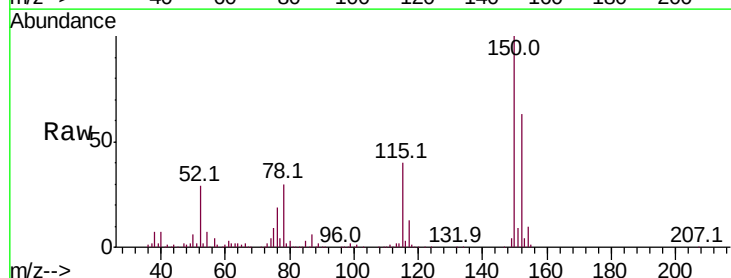
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#10

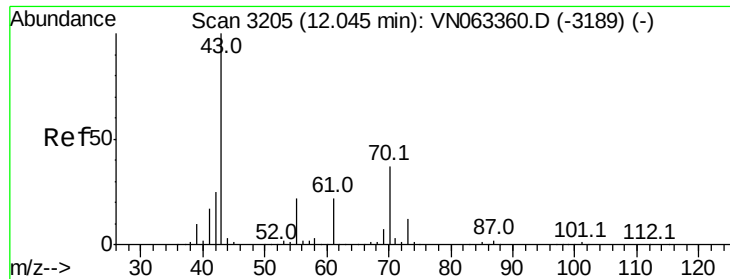
Tot Ion:117 Resp: 460450
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Tgt Ion:152 Resp: 194793
Ion Ratio Lower Upper
152 100
115 63.6 32.2 96.6
150 158.0 0.0 343.4

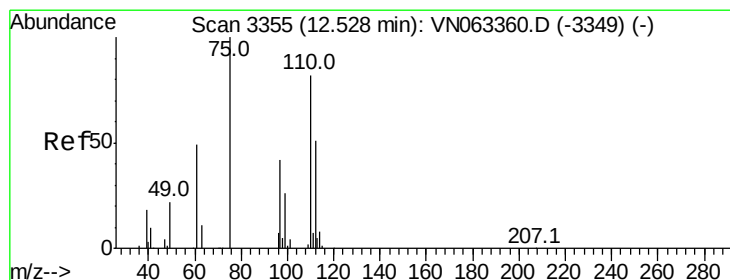
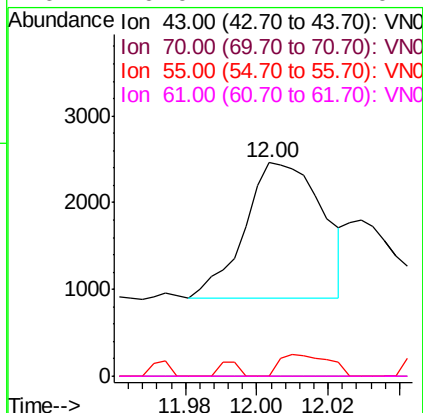
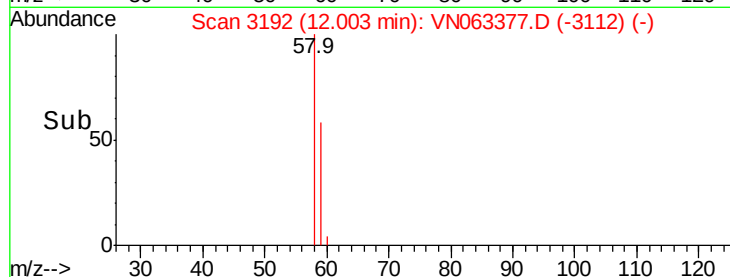
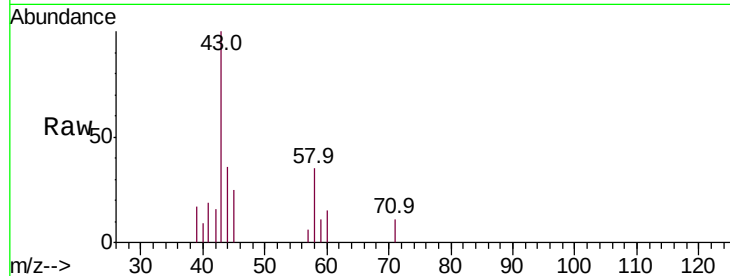




#74
N-amvl acetate
Concen: 0.317 ug/l
RT: 12.00 min Scan# 3192
Delta R.T. -0.04 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

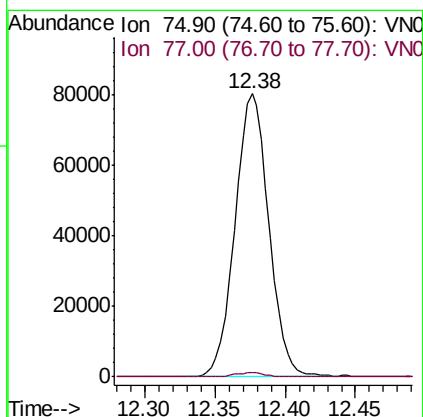
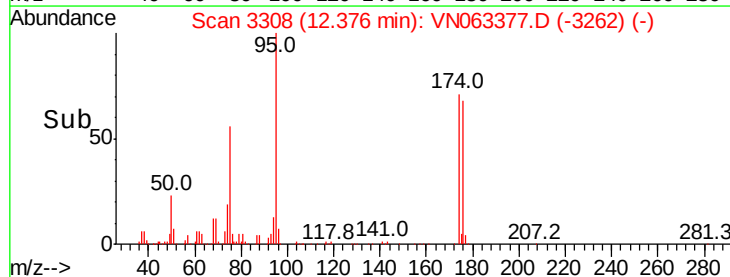
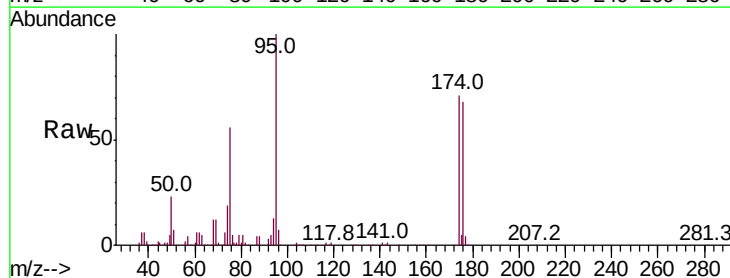
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#10

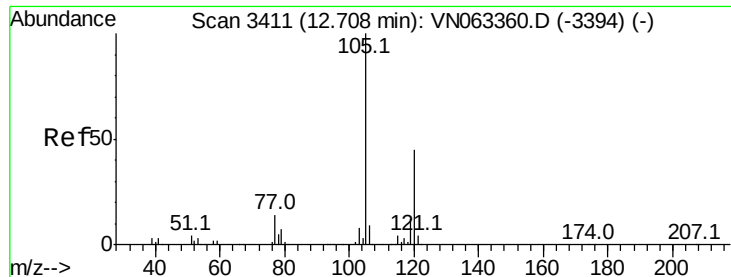
Tot Ion: 43 Resp: 2345
Ion Ratio Lower Upper
43 100
70 0.0 29.6 44.4#
55 10.3 17.7 26.5#
61 0.0 17.4 26.2#



#76
1,2,3-Trichloropropane
Concen: 27.968 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063377.D
Acq: 16 Sep 2020 20:18

Tgt Ion: 75 Resp: 134844
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.866 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

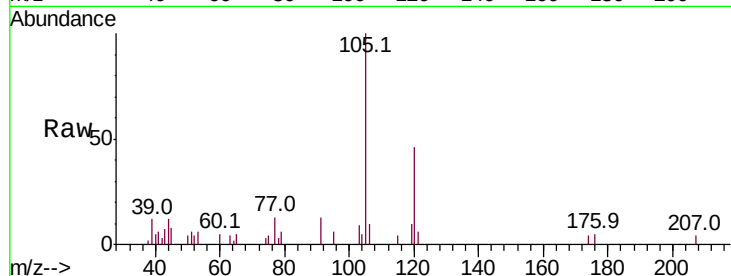
PB131646ZHE#10

Tot Ion:105 Resp: 11266

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.71

8000

6000

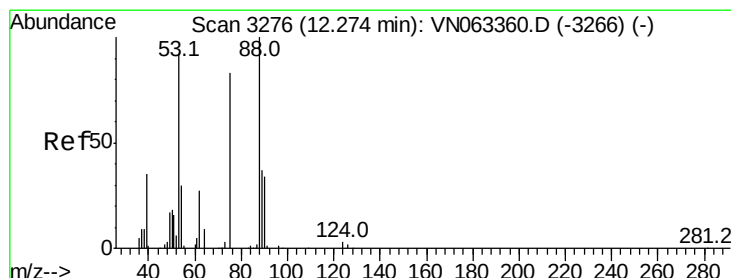
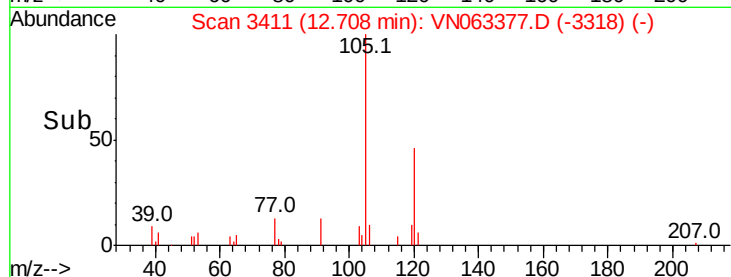
4000

2000

0

Time-->

12.65 12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 76.677 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063377.D

Acq: 16 Sep 2020 20:18

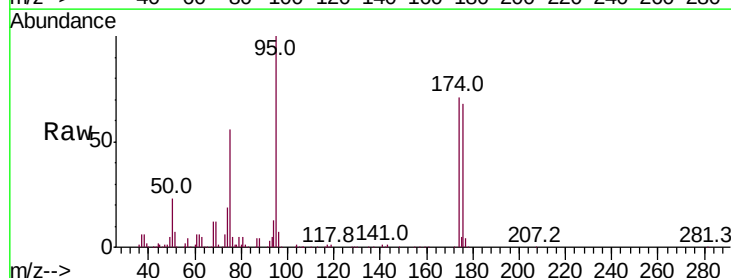
Tgt Ion: 75 Resp: 134844

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.38

100000

80000

60000

40000

20000

0

Time-->

12.30 12.35 12.40 12.45

