

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063655.D
 Acq On : 25 Sep 2020 3:01
 Operator : JC/MD
 Sample : PB131852TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131852TB

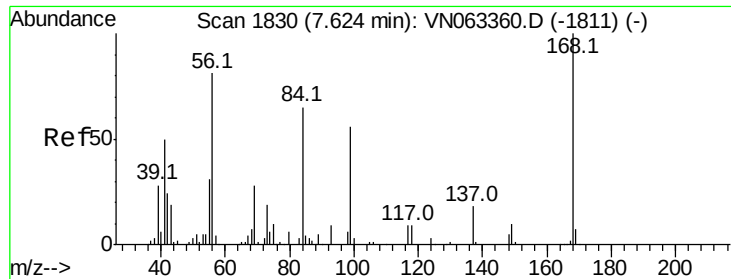
Quant Time: Sep 25 05:37:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	218101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	437013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183709	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	190802	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.78%		
35) Dibromofluoromethane	7.55	113	138009	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.36%		
50) Toluene-d8	10.06	98	548915	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.82%		
62) 4-Bromofluorobenzene	12.38	95	213324	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	5561	4.661	ug/l #	84
18) Methyl Acetate	4.28	43	2099	0.693	ug/l #	60
20) Methylene Chloride	4.51	84	17918	5.927	ug/l	89
25) 2-Butanone	6.79	43	2873	1.566	ug/l #	83
29) Tetrahydrofuran	7.17	42	1035	0.826	ug/l #	82
31) Cyclohexane	7.62	56	5888	1.148	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	20894	4.642	ug/l #	50
38) Carbon Tetrachloride	7.63	117	24790	5.395	ug/l #	17
43) Isopropyl Acetate	8.13	43	74590	9.442	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1158	0.331	ug/l #	43
48) Methyl methacrylate	9.15	41	4929	1.270	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	7223	1.633	ug/l #	85
54) cis-1,3-Dichloropropene	9.87	75	29760	5.289	ug/l #	71
56) Ethyl methacrylate	10.51	69	1943	0.406	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5293	0.956	ug/l #	42
59) 2-Hexanone	10.74	43	84856	26.484	ug/l #	54
74) N-amyl acetate	12.01	43	3934	0.565	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	123775	27.221	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3787	0.308	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	123775	74.629	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: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampleId :

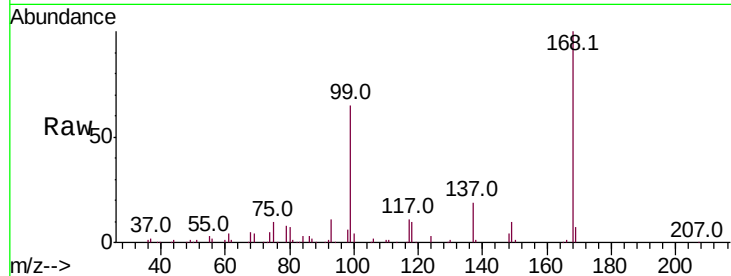
PB131852TB

Tot Ion:168 Resp: 218101

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

100000

80000

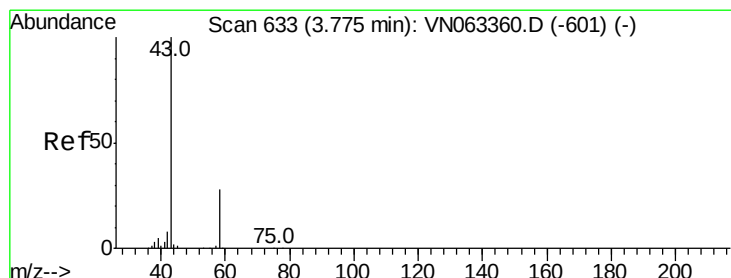
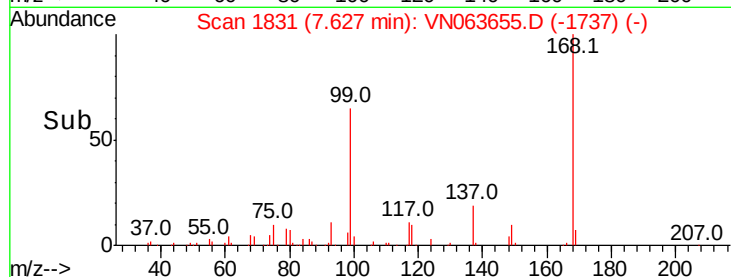
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 4.661 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063655.D

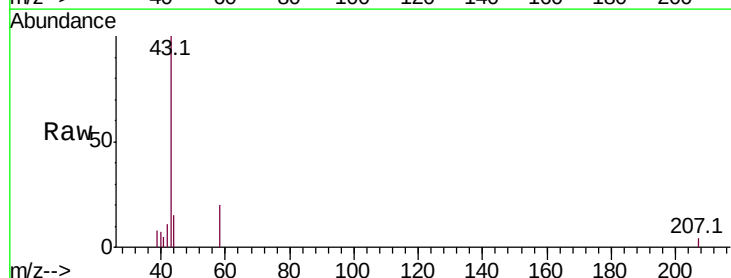
Acq: 25 Sep 2020 3:01

Tgt Ion: 43 Resp: 5561

Ion Ratio Lower Upper

43 100

58 19.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)

3.77

5000

4000

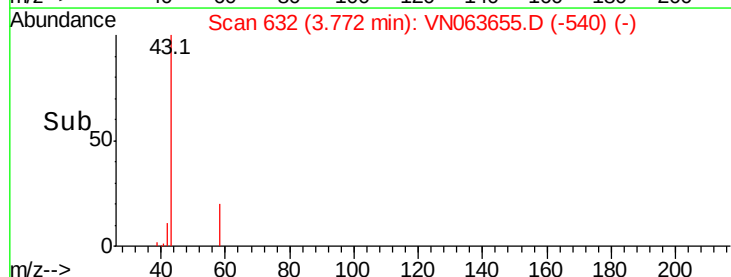
3000

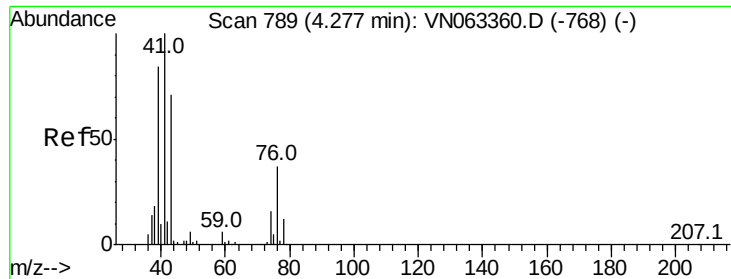
2000

1000

0

Time--> 3.70 3.75

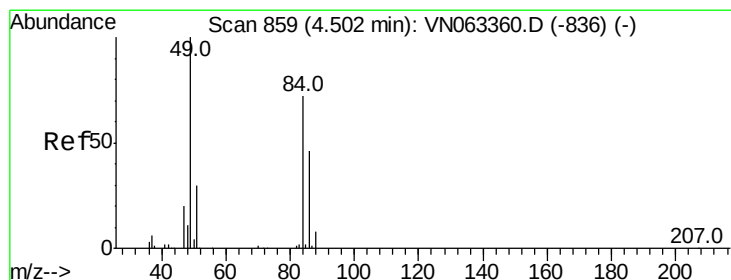
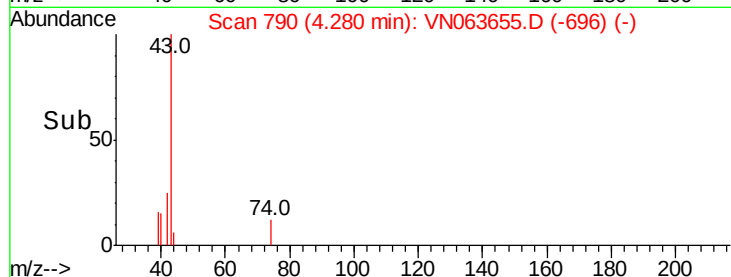
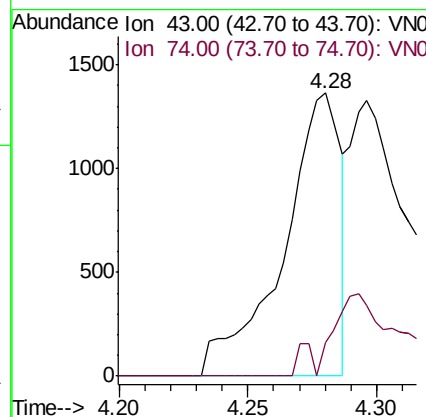
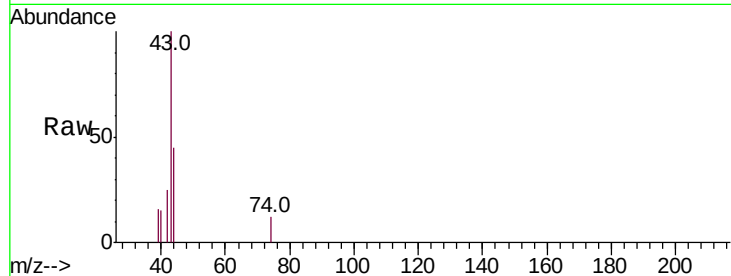




#18
Methyl Acetate
Concen: 0.693 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

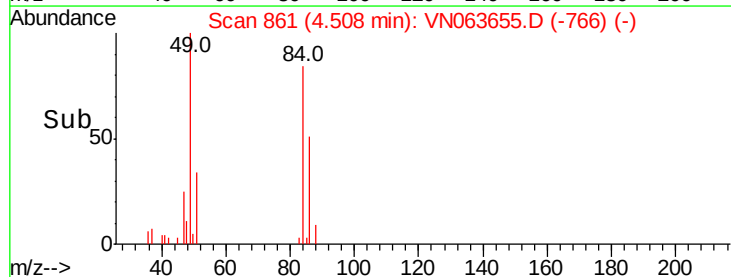
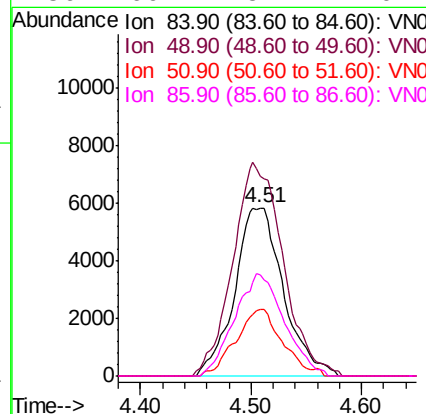
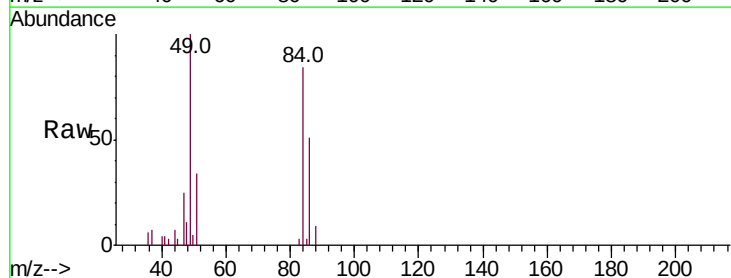
Instrument :
MSVOA_N
ClientSampled :
PB131852TB

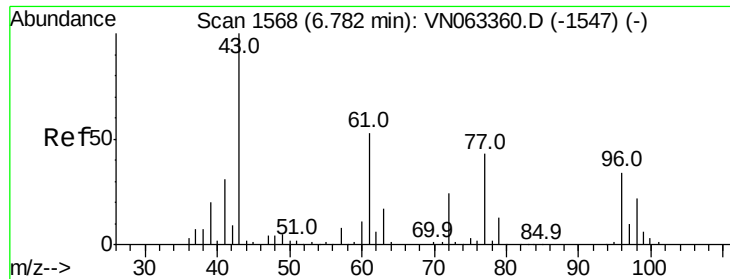
Tot Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
74 2.9 17.4 26.2#



#20
Methylene Chloride
Concen: 5.927 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Tgt Ion: 84 Resp: 17918
Ion Ratio Lower Upper
84 100
49 119.1 110.7 166.1
51 40.0 32.9 49.3
86 60.2 51.1 76.7

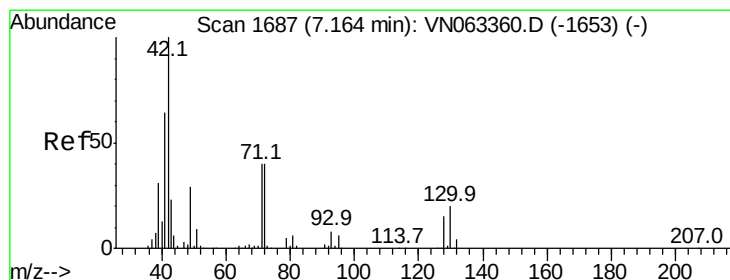
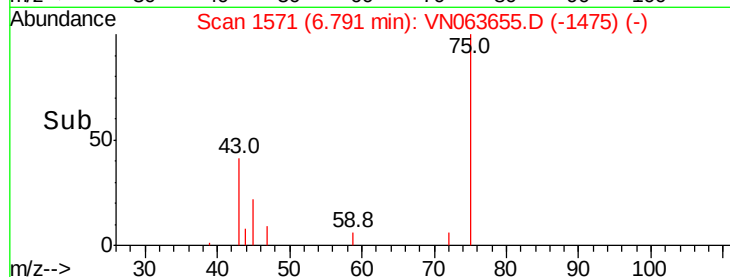
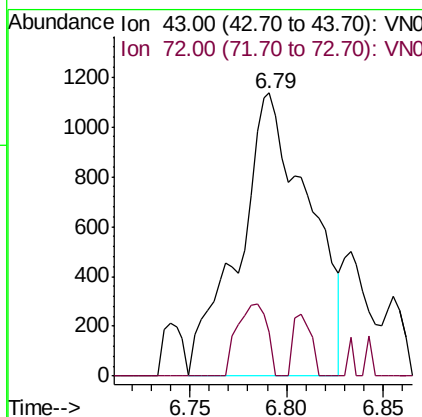
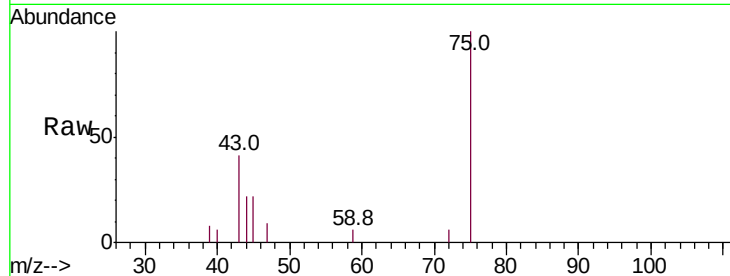




#25
2-Butanone
Concen: 1.566 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

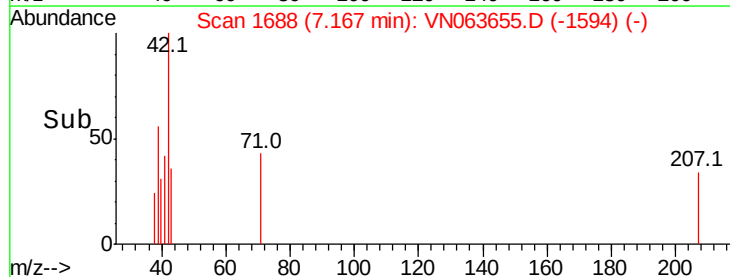
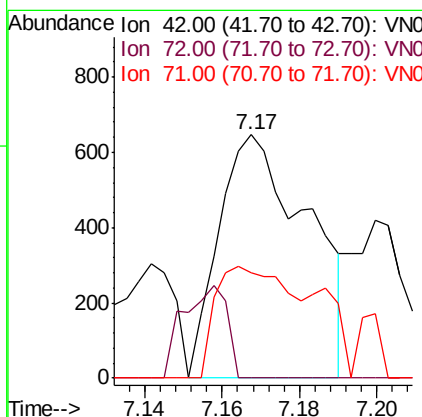
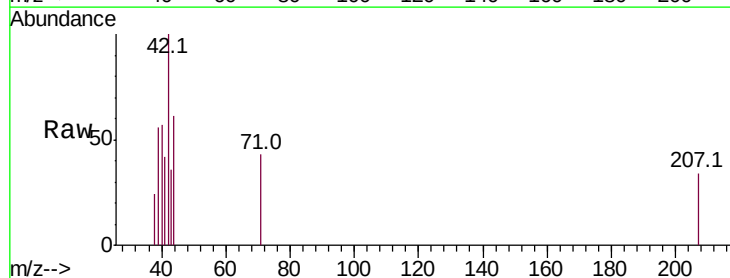
Instrument :
MSVOA_N
ClientSampled :
PB131852TB

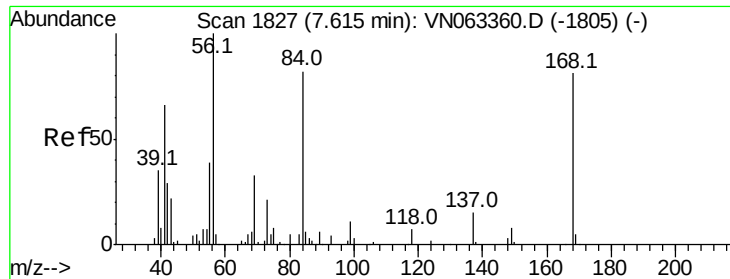
Tot Ion: 43 Resp: 2873
Ion Ratio Lower Upper
43 100
72 15.6 19.2 28.8#



#29
Tetrahydrofuran
Concen: 0.826 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Tgt Ion: 42 Resp: 1035
Ion Ratio Lower Upper
42 100
72 18.8 32.1 48.1#
71 38.1 31.2 46.8

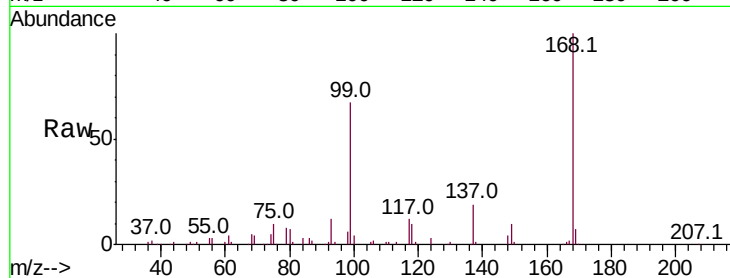




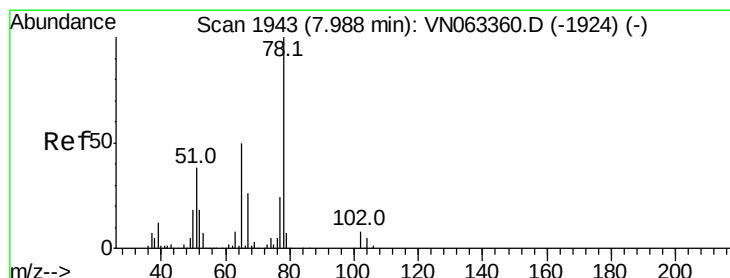
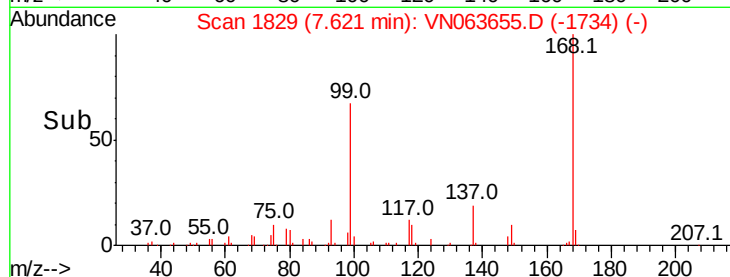
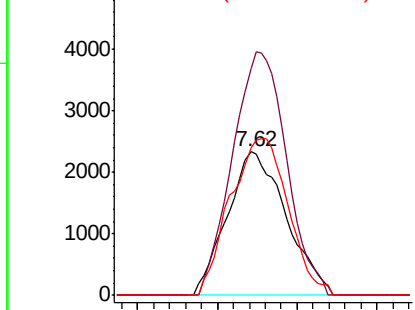
#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Instrument :
MSVOA_N
ClientSampled :
PB131852TB

Tot Ion: 56 Resp: 5888
Ion Ratio Lower Upper
56 100
69 158.1 26.1 39.1#
84 102.3 65.4 98.2#

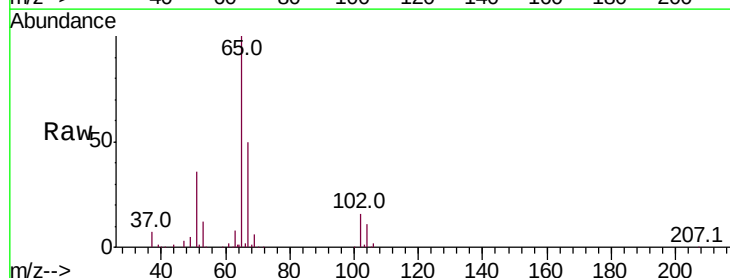


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

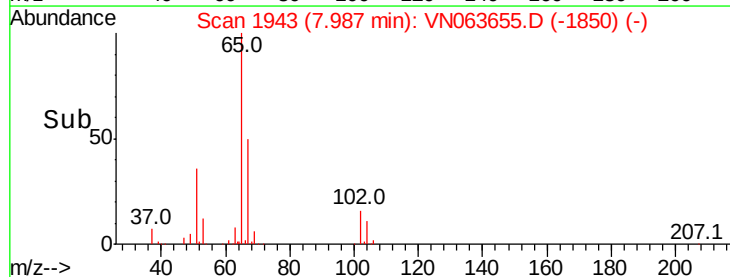
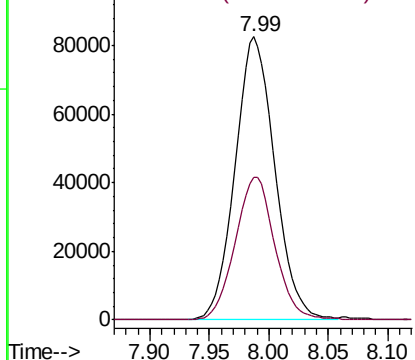


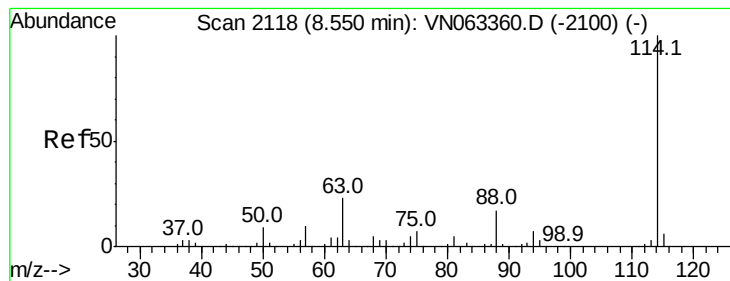
#33
1,2-Dichloroethane-d4
Concen: 51.392 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Tgt Ion: 65 Resp: 190802
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampled :

PB131852TB

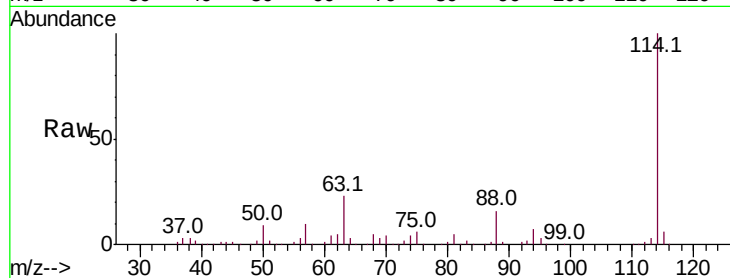
Tot Ion:114 Resp: 422529

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.4

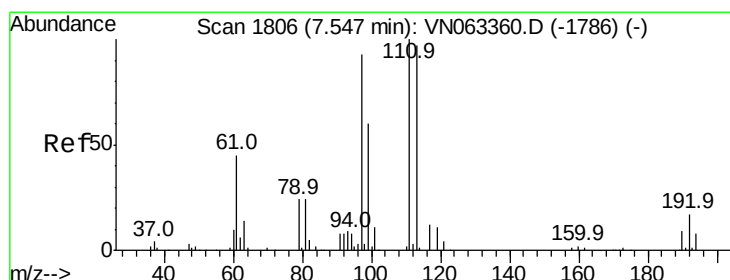
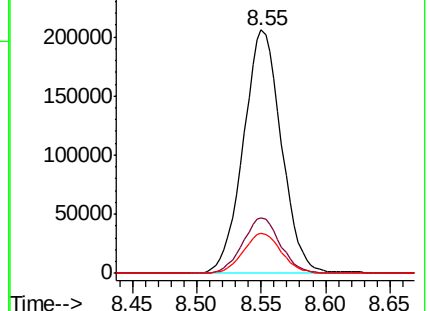
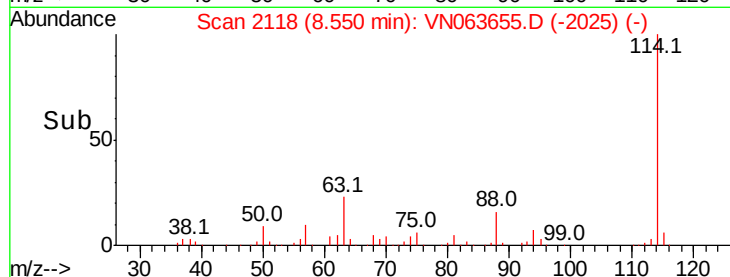
88 16.3 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.181 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

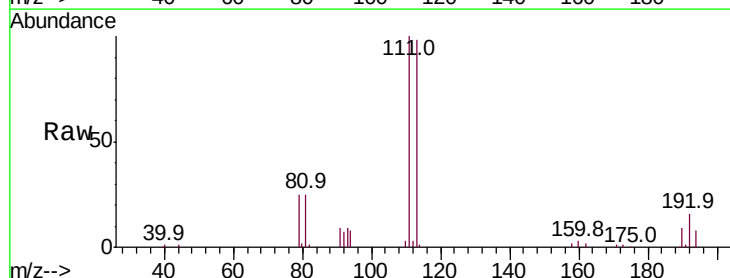
Tgt Ion:113 Resp: 138009

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

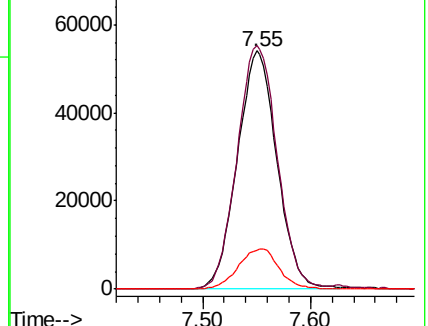
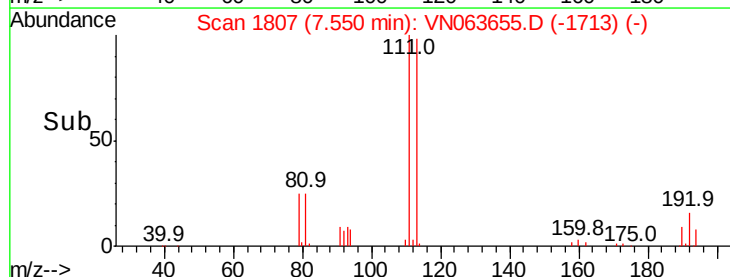
192 17.4 13.9 20.9

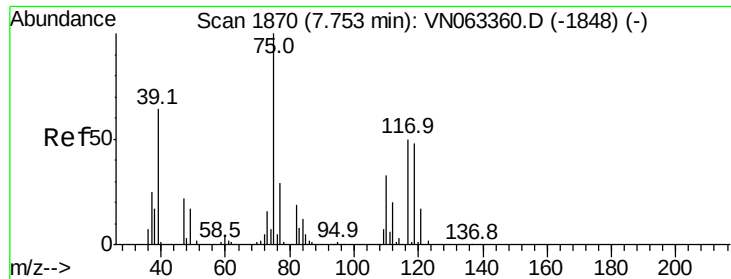


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampled :

PB131852TB

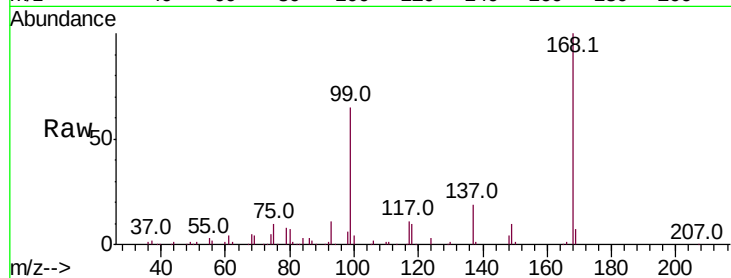
Tot Ion: 75 Resp: 20894

Ion Ratio Lower Upper

75 100

110 8.0 16.5 49.5#

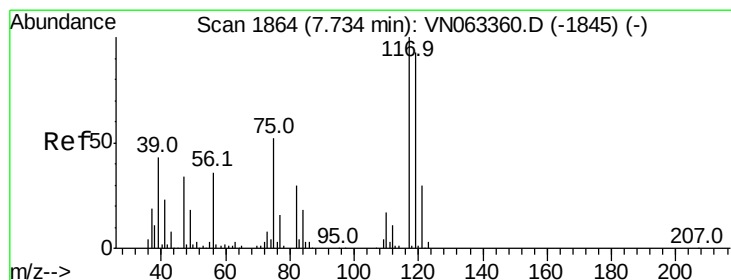
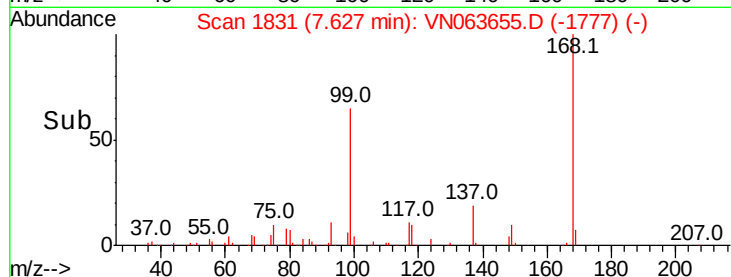
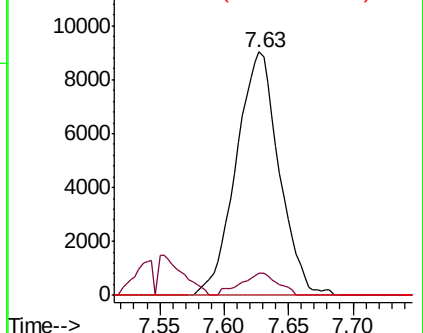
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.395 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

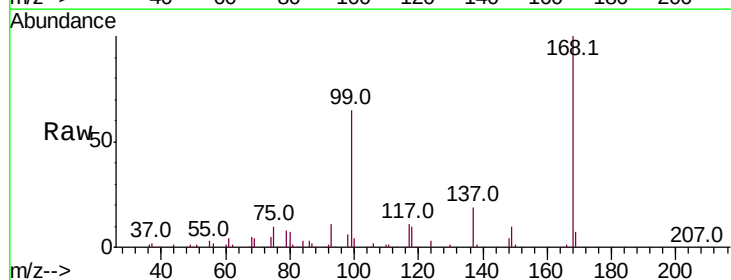
Tgt Ion: 117 Resp: 24790

Ion Ratio Lower Upper

117 100

119 4.4 74.5 111.7#

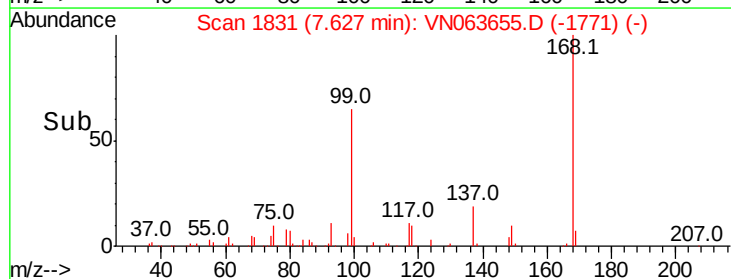
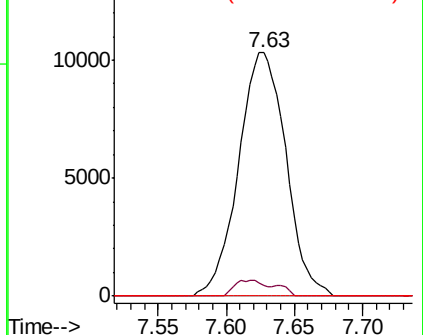
121 0.0 24.1 36.1#

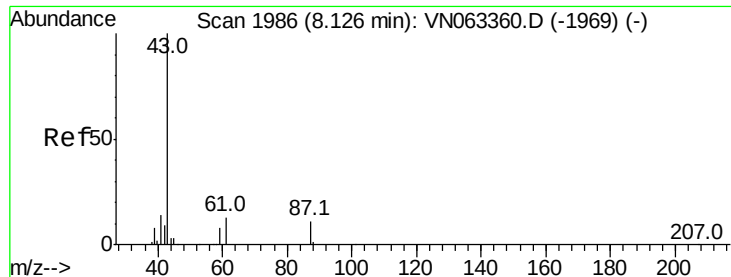


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#43

Isopropyl Acetate

Concen: 9.442 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampleId :

PB131852TB

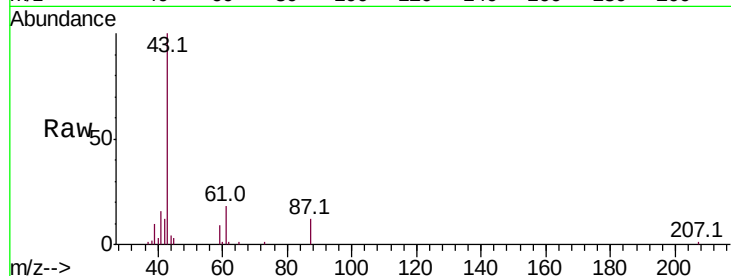
Tot Ion: 43 Resp: 74590

Ion Ratio Lower Upper

43 100

61 18.1 14.2 21.2

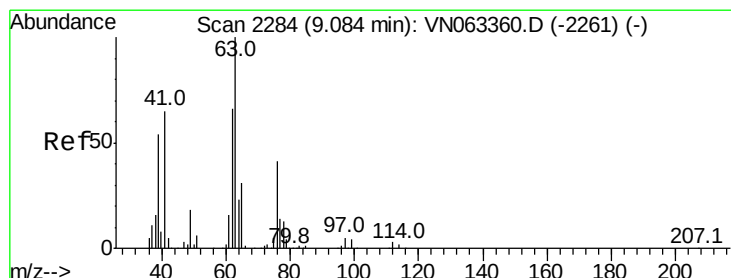
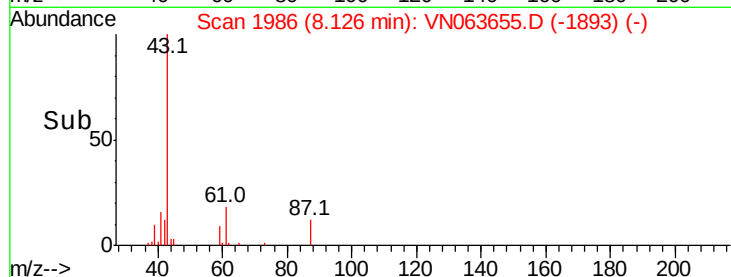
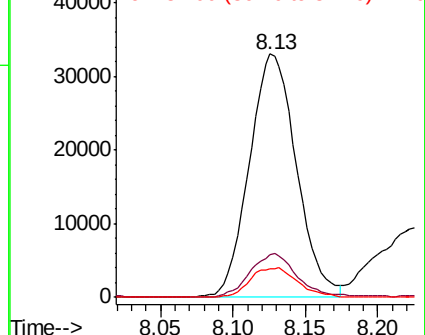
87 12.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.331 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN063655.D

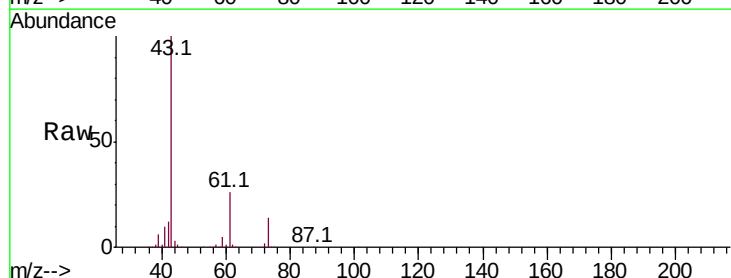
Acq: 25 Sep 2020 3:01

Tgt Ion: 63 Resp: 1158

Ion Ratio Lower Upper

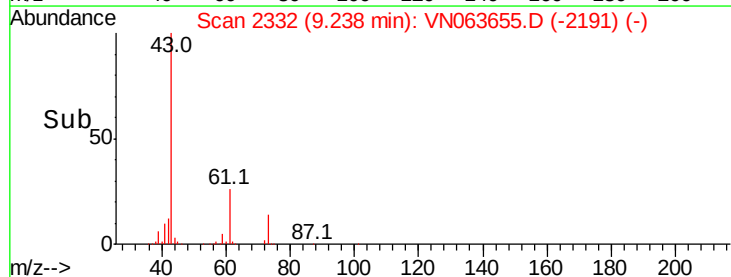
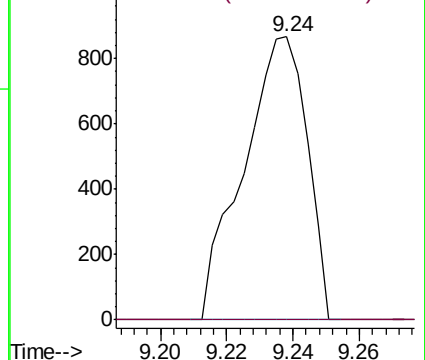
63 100

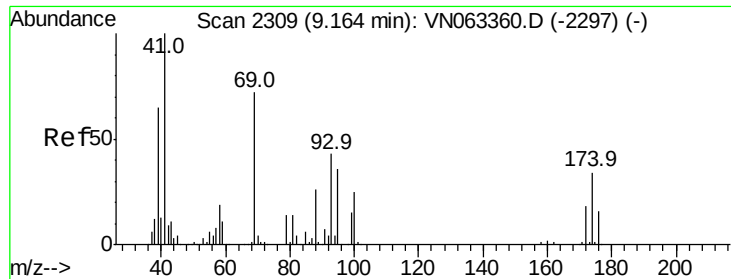
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

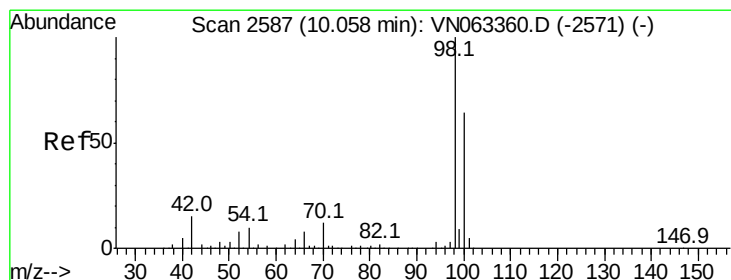
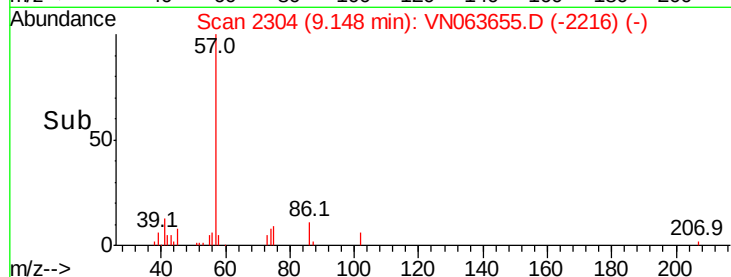
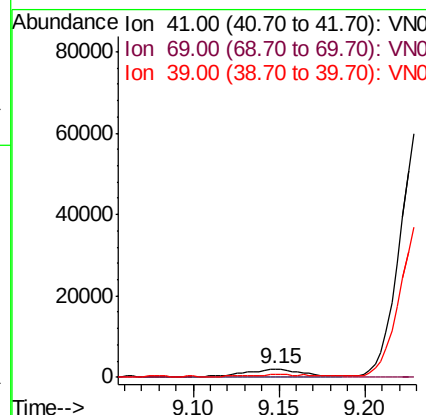
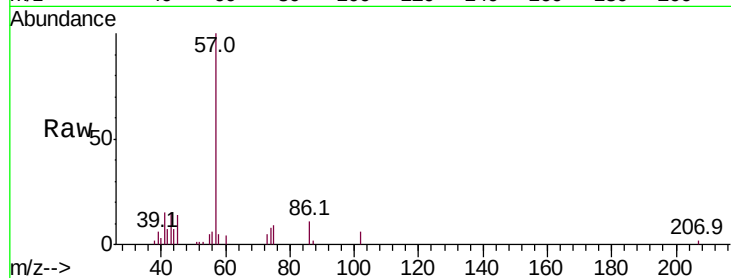




#48
Methvl methacrylate
Concen: 1.270 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

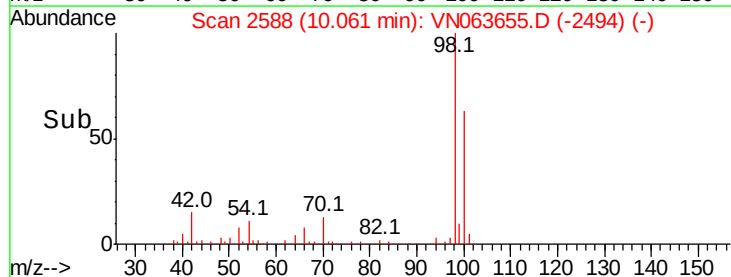
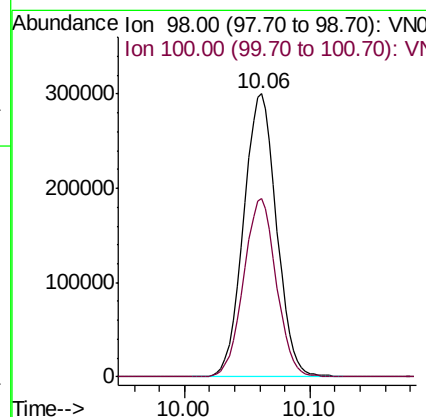
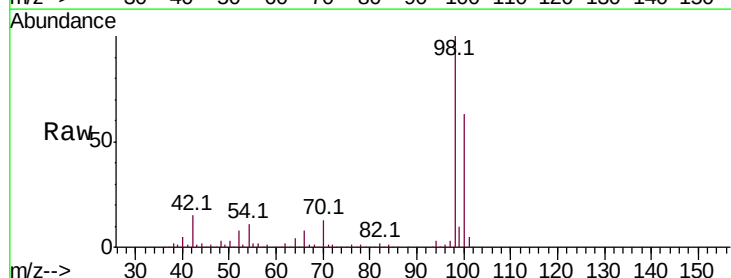
Instrument :
MSVOA_N
ClientSampled :
PB131852TB

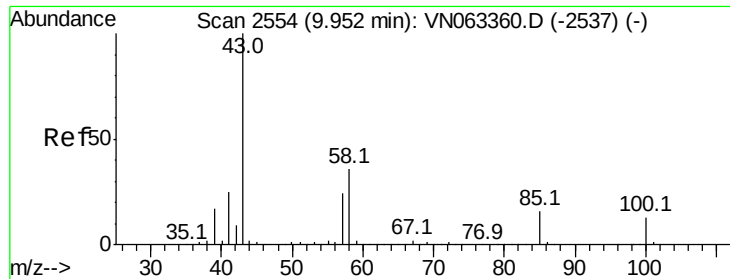
Tot Ion: 41 Resp: 4929
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#



#50
Toluene-d8
Concen: 49.907 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Tgt Ion: 98 Resp: 548915
Ion Ratio Lower Upper
98 100
100 62.5 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.633 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampleId :

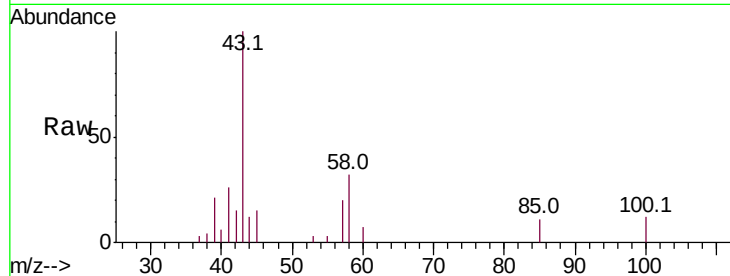
PB131852TB

Tot Ion: 43 Resp: 7223

Ion Ratio Lower Upper

43 100

58 45.2 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

25000

20000

15000

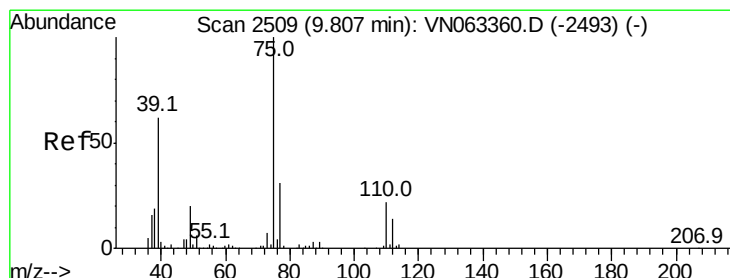
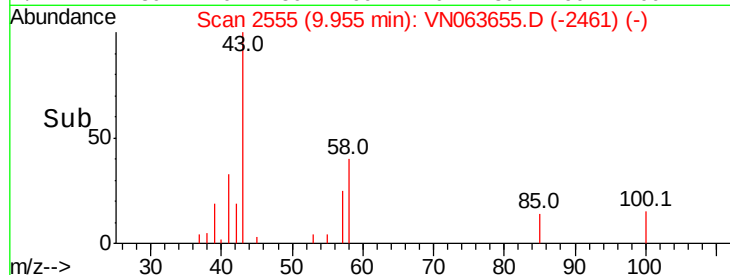
10000

5000

0

9.90 9.95 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.289 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

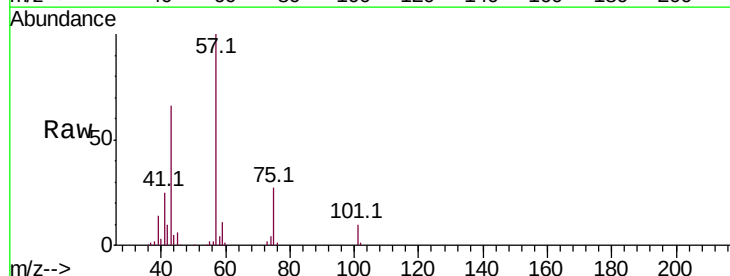
Tgt Ion: 75 Resp: 29760

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 50.1 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2493) (-)

20000

15000

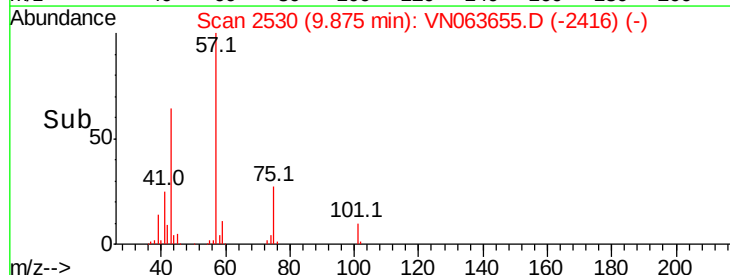
10000

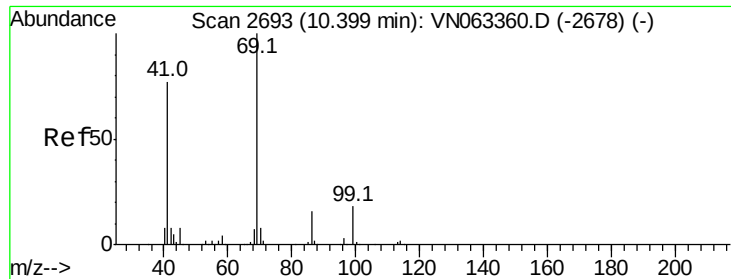
5000

0

9.80 9.85 9.90 9.95

Time-->





#56

Ethyl methacrylate

Concen: 0.406 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampleId :

PB131852TB

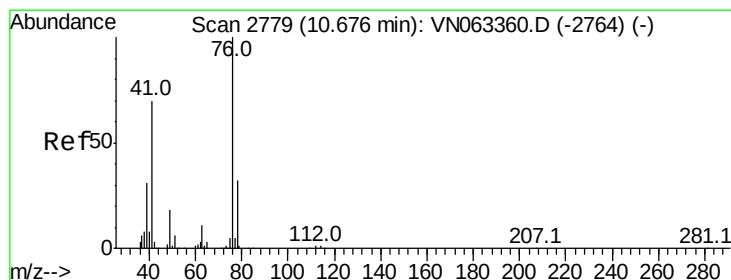
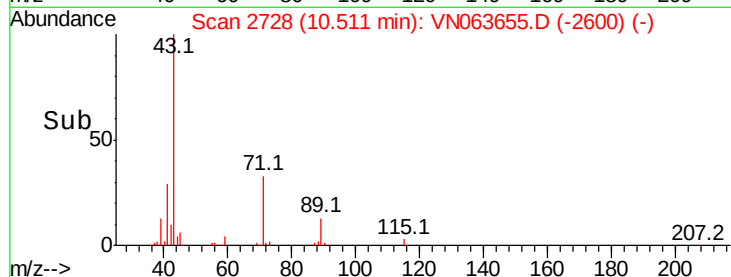
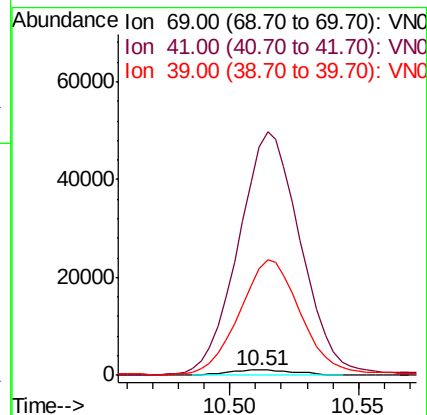
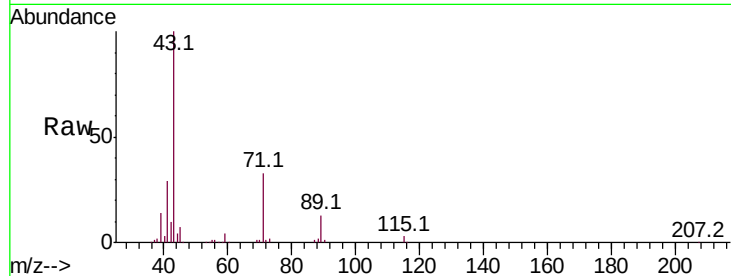
Tot Ion: 69 Resp: 1943

Ion Ratio Lower Upper

69 100

41 4343.5 61.0 91.6#

39 2055.1 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 0.956 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063655.D

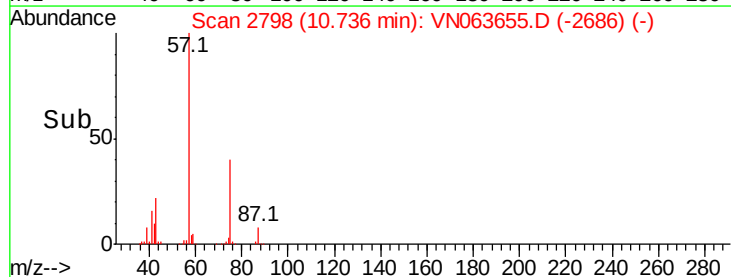
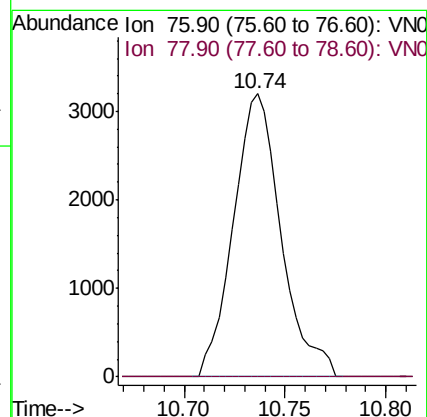
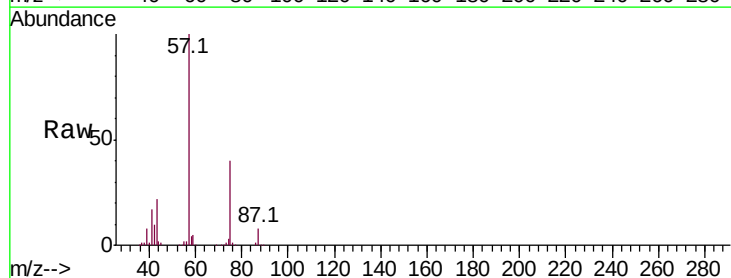
Acq: 25 Sep 2020 3:01

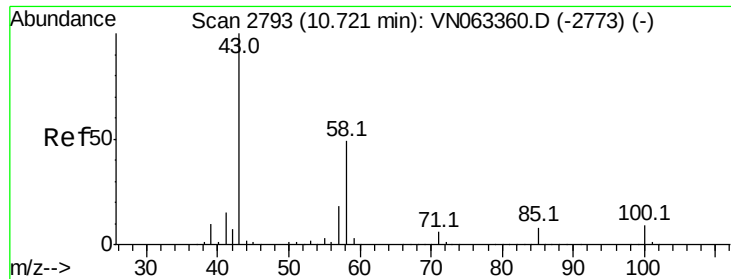
Tgt Ion: 76 Resp: 5293

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 26.484 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampled :

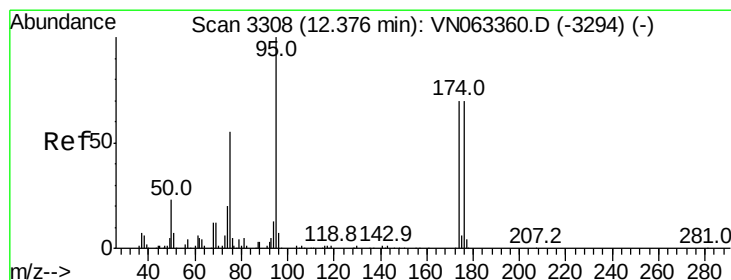
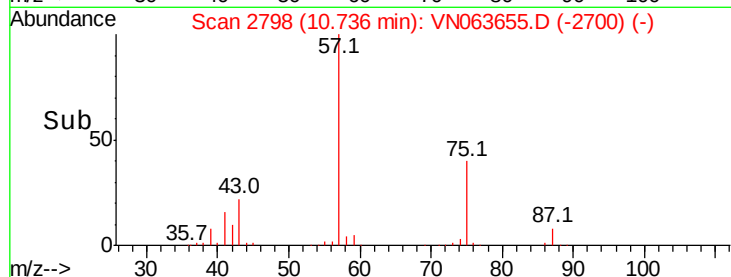
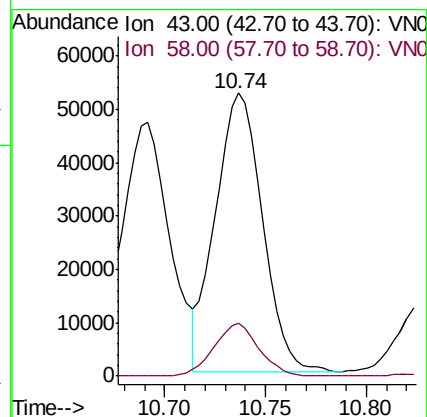
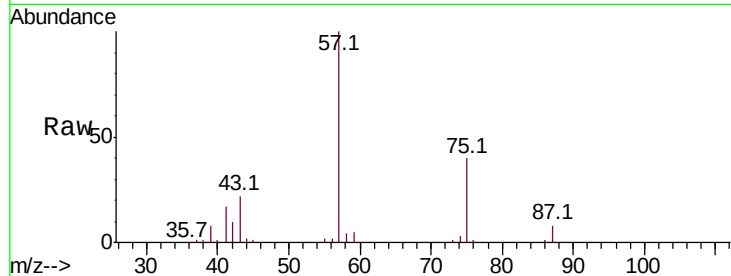
PB131852TB

Tot Ion: 43 Resp: 84856

Ion Ratio Lower Upper

43 100

58 18.2 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 52.908 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

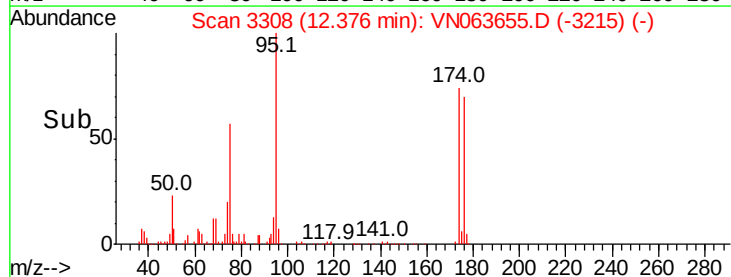
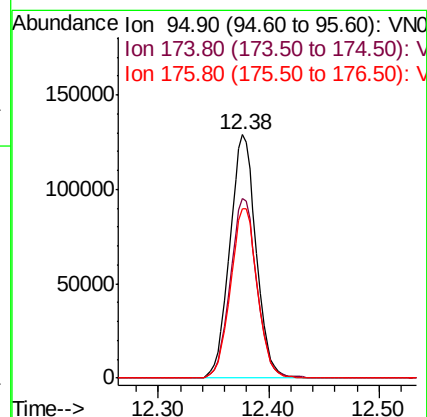
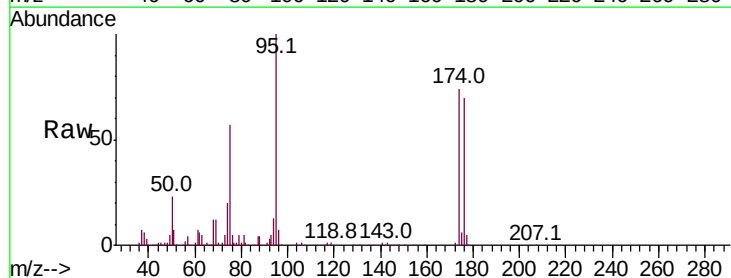
Tgt Ion: 95 Resp: 213324

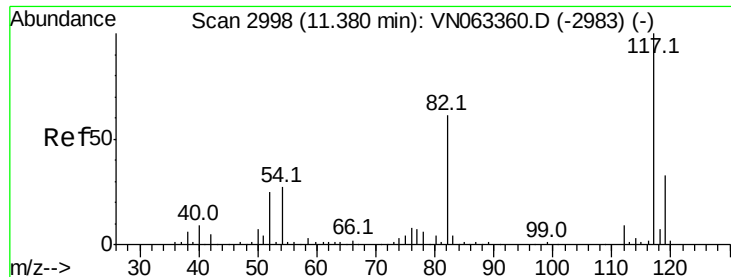
Ion Ratio Lower Upper

95 100

174 74.5 0.0 140.8

176 70.9 0.0 137.6

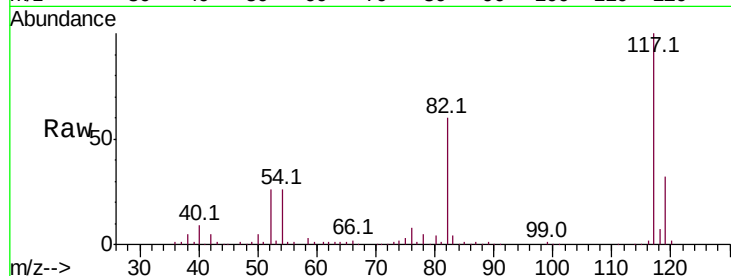




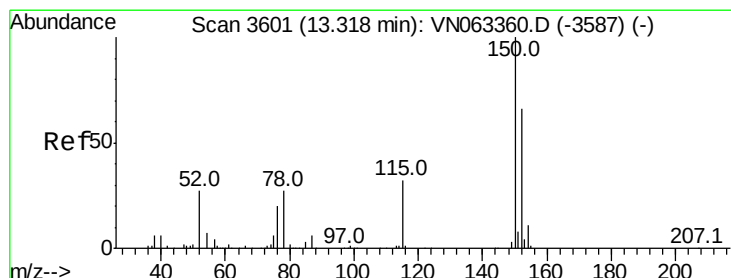
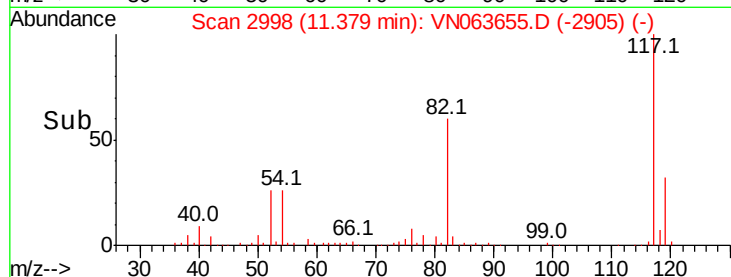
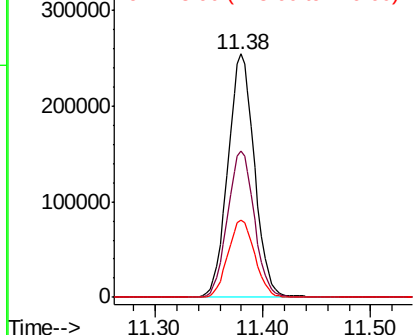
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Instrument :
MSVOA_N
ClientSampleId :
PB131852TB

Tot Ion:117 Resp: 437013
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 31.8 26.2 39.4

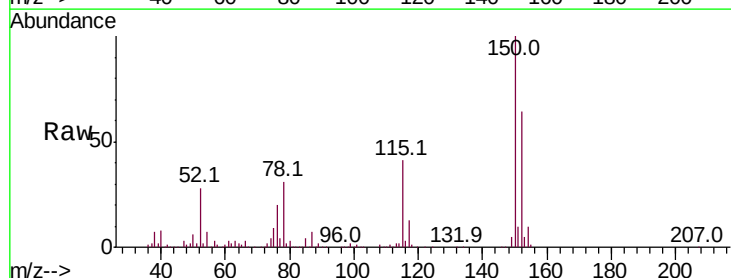


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

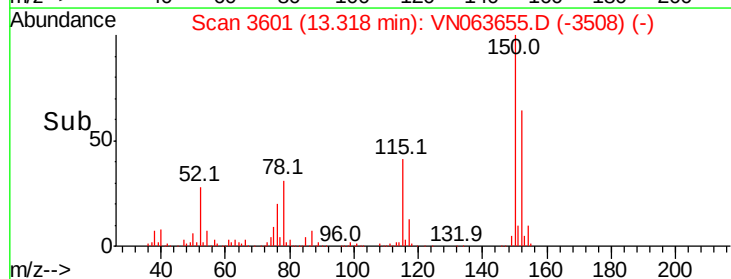
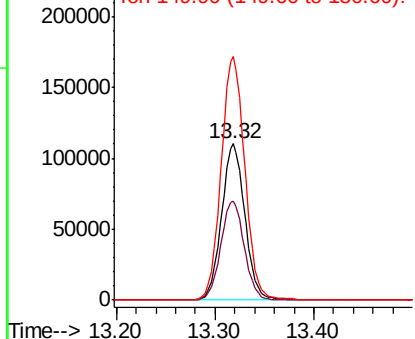


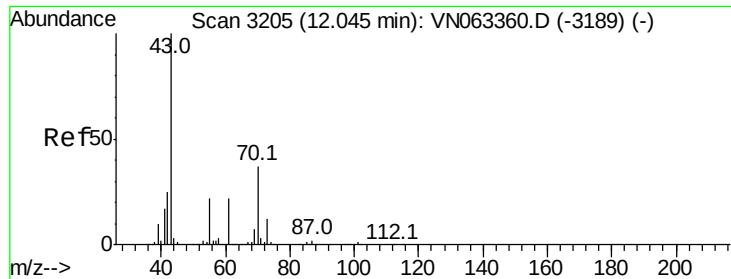
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063655.D
Acq: 25 Sep 2020 3:01

Tgt Ion:152 Resp: 183709
Ion Ratio Lower Upper
152 100
115 63.7 32.2 96.6
150 157.1 0.0 343.4



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: 0.565 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampleId :

PB131852TB

Tot Ion: 43 Resp: 3934

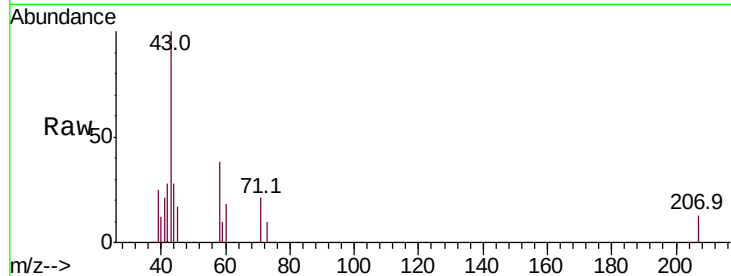
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.7 26.5#

61 0.0 17.4 26.2#

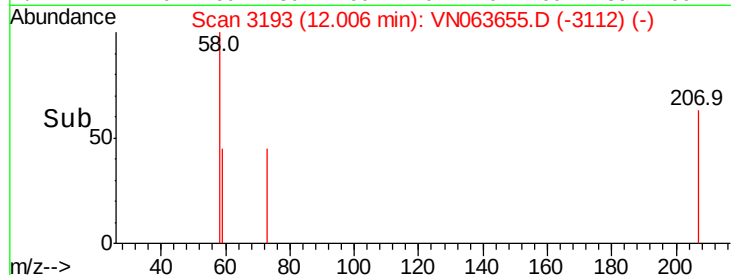


Abundance Ion 43.00 (42.70 to 43.70): VN0

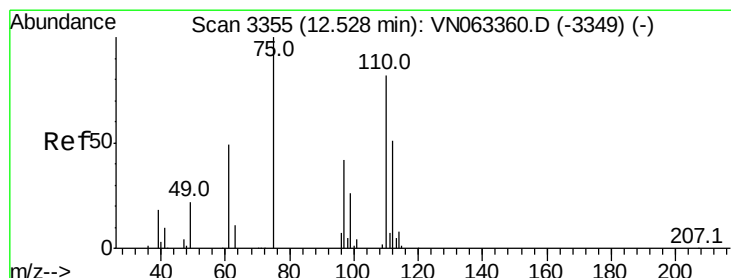
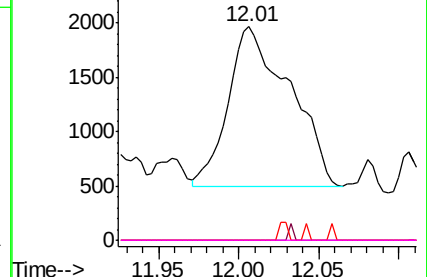
Ion 70.00 (69.70 to 70.70): VN0

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: 27.221 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063655.D

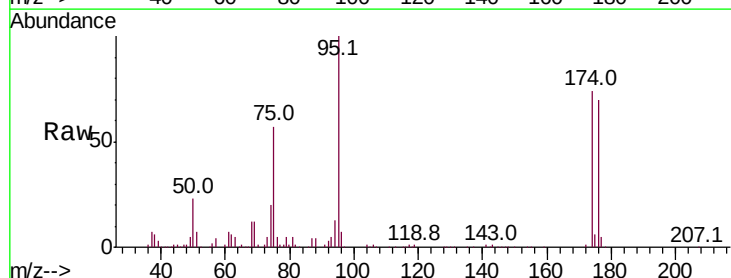
Acq: 25 Sep 2020 3:01

Tgt Ion: 75 Resp: 123775

Ion Ratio Lower Upper

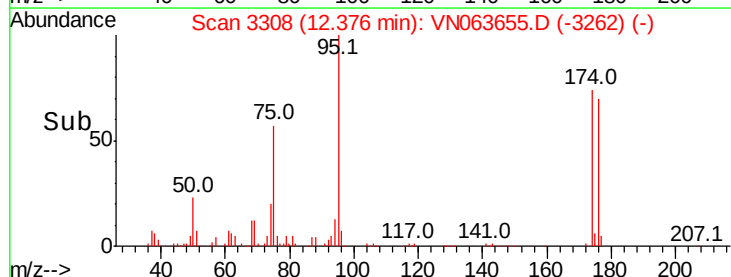
75 100

77 1.2 0.0 0.0#

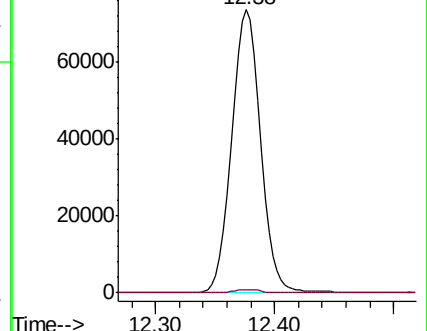


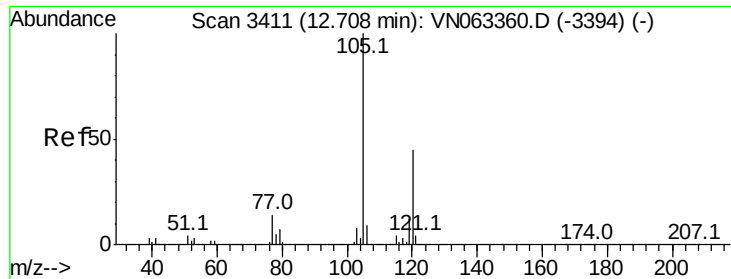
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.308 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

Instrument :

MSVOA_N

ClientSampled :

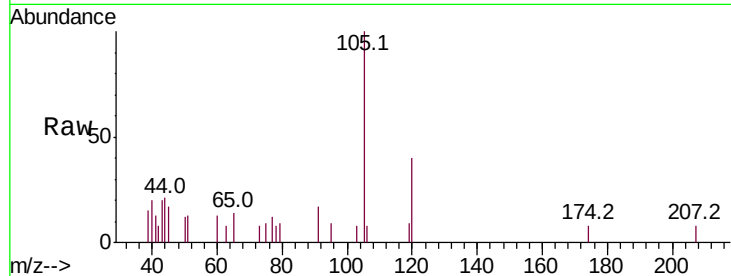
PB131852TB

Tot Ion:105 Resp: 3787

Ion Ratio Lower Upper

105 100

120 42.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

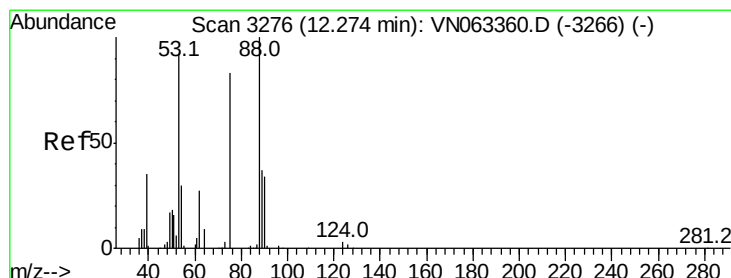
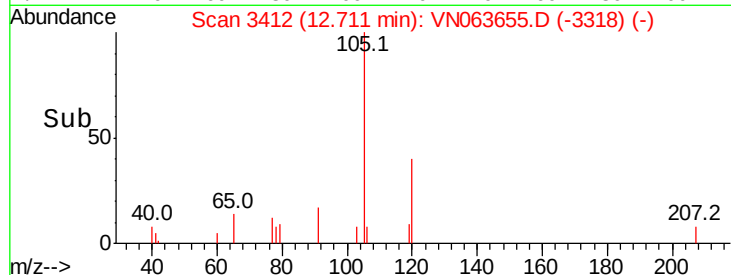
1500

1000

500

0

Time--> 12.65 12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 74.629 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063655.D

Acq: 25 Sep 2020 3:01

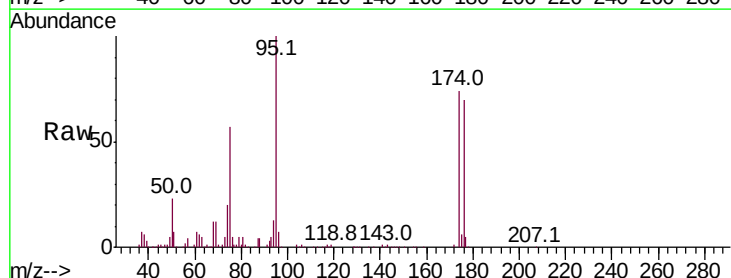
Tgt Ion: 75 Resp: 123775

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

100000

80000

60000

40000

20000

0

Time--> 12.30 12.40

