

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063457.D
 Acq On : 18 Sep 2020 15:02
 Operator : JC/MD
 Sample : PB131701ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131701ZHE#12

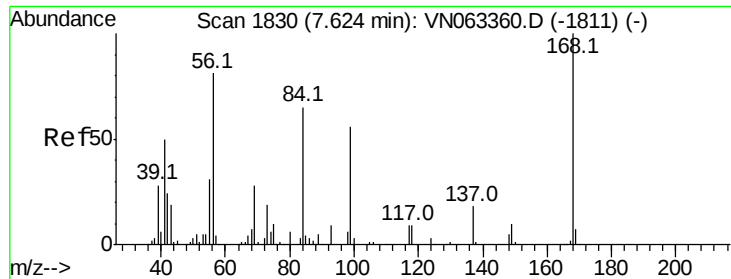
Quant Time: Sep 21 01:35:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	463173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	466293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202825	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	199012	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.55	113	149033	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	10.06	98	596651	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	240755	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	150	0.259	ug/l #	72
13) Acrolein	3.57	56	103	0.480	ug/l #	13
16) Acetone	3.78	43	30143	22.456	ug/l	98
18) Methyl Acetate	4.29	43	4297	1.261	ug/l #	66
20) Methylene Chloride	4.51	84	11003	3.235	ug/l	94
25) 2-Butanone	6.80	43	5536	2.682	ug/l #	84
29) Tetrahydrofuran	7.16	42	426	0.302	ug/l #	60
31) Cyclohexane	7.63	56	7213	1.250	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	23938	4.851	ug/l #	50
38) Carbon Tetrachloride	7.63	117	27262	5.412	ug/l #	16
41) Methacrylonitrile	7.16	41	523	0.240	ug/l #	100
43) Isopropyl Acetate	8.13	43	98198	11.340	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1680	0.438	ug/l #	43
48) Methyl methacrylate	9.15	41	4970	1.168	ug/l #	15
49) 1,4-Dioxane	9.23	88	64	1.048	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	11697	2.413	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	41466	6.722	ug/l #	63
56) Ethyl methacrylate	10.52	69	1669	0.318	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6662	1.098	ug/l #	42
59) 2-Hexanone	10.74	43	107045	30.478	ug/l #	54
74) N-amyl acetate	12.01	43	5506	0.716	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	133651	26.623	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4686	0.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	133651	72.989	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: VN063457.D

Acq: 18 Sep 2020 15:02

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MSVOA_N

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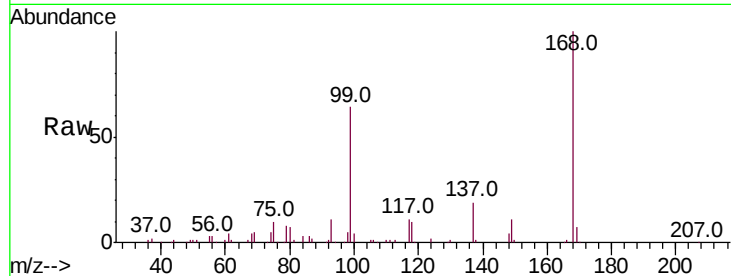
PB131701ZHE#12

Tot Ion:168 Resp: 245364

Ion Ratio Lower Upper

168 100

99 64.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

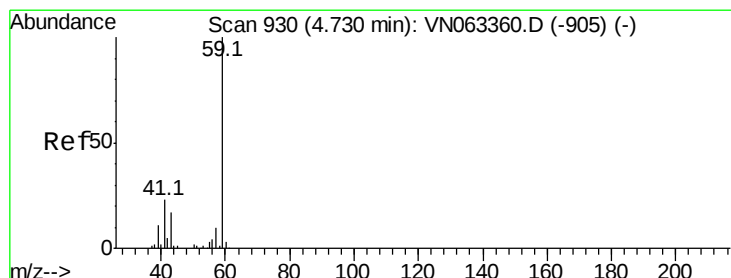
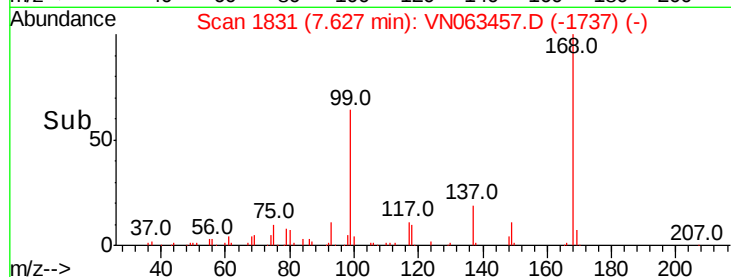
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.259 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063457.D

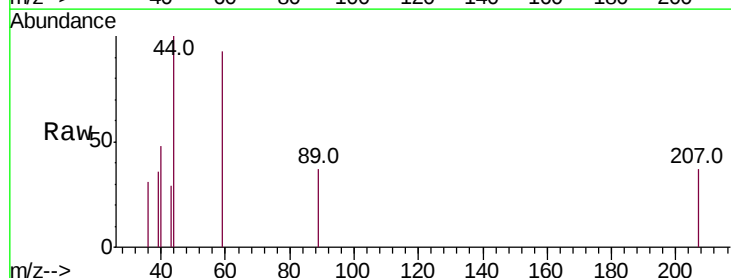
Acq: 18 Sep 2020 15:02

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

500

400

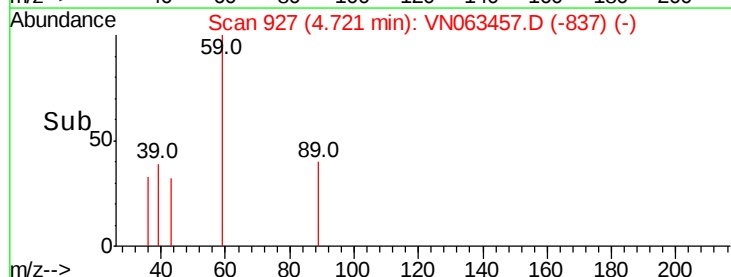
300

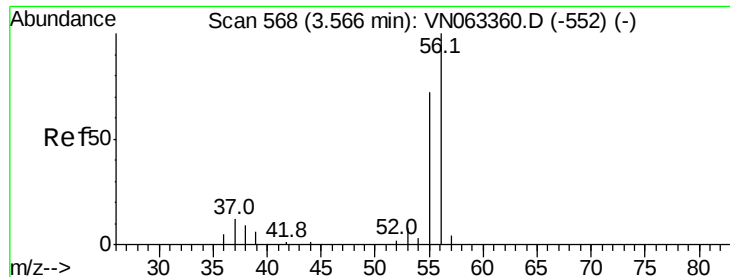
200

100

0

Time--> 4.71 4.72 4.73





#13

Acrolein

Concen: 0.480 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

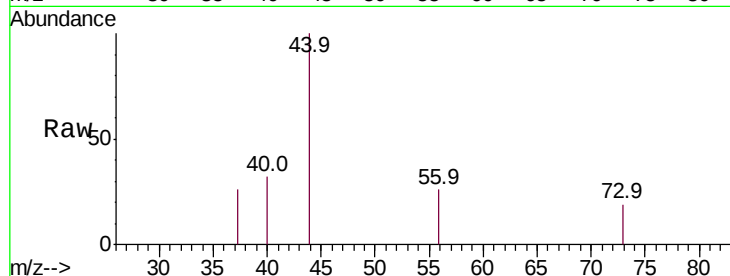
PB131701ZHE#12

Tot Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

250

200

150

100

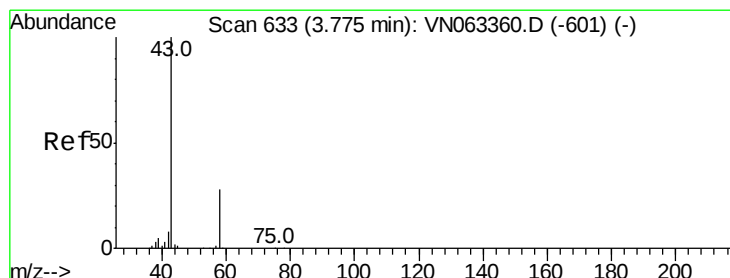
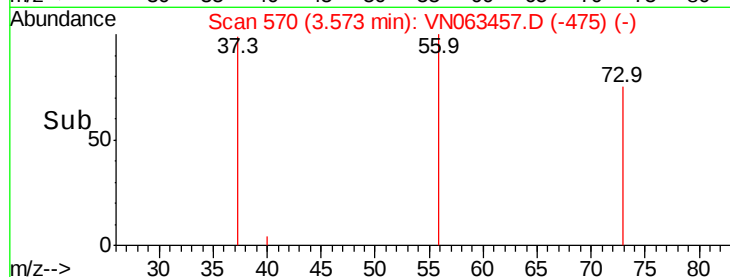
50

0

3.56 3.57 3.58

3.57

Time-->



#16

Acetone

Concen: 22.456 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063457.D

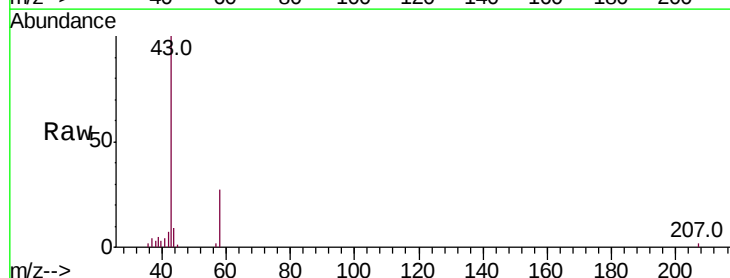
Acq: 18 Sep 2020 15:02

Tgt Ion: 43 Resp: 30143

Ion Ratio Lower Upper

43 100

58 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

12000

10000

8000

6000

4000

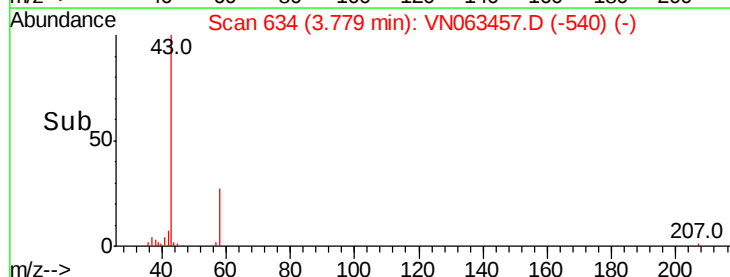
2000

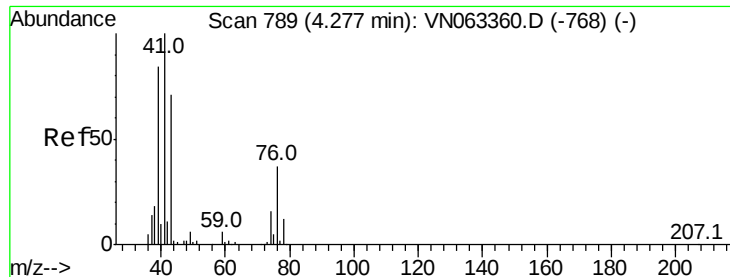
0

3.70 3.75 3.80 3.85

3.78

Time-->

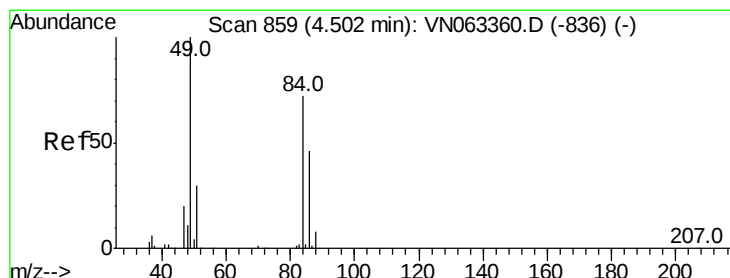
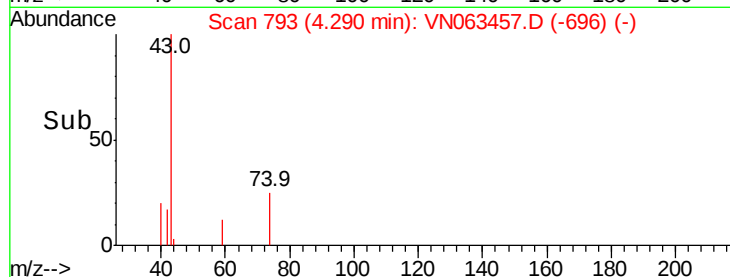
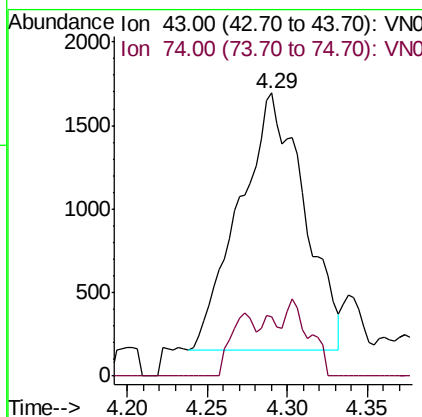
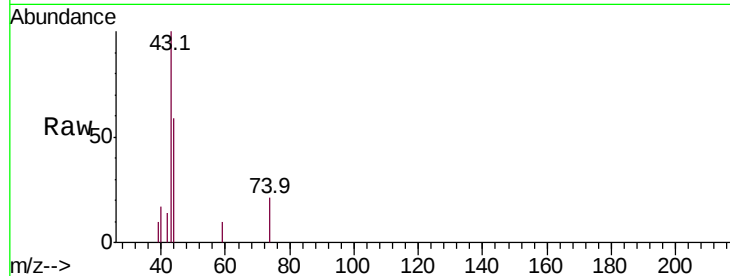




#18
Methyl Acetate
Concen: 1.261 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

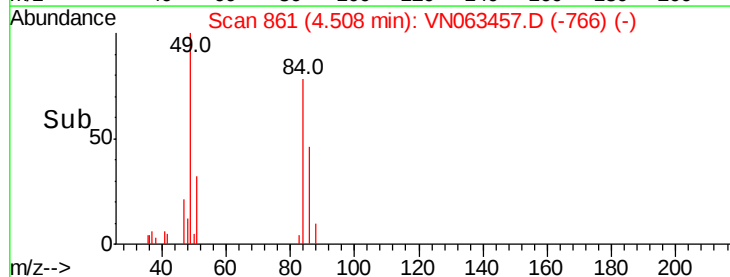
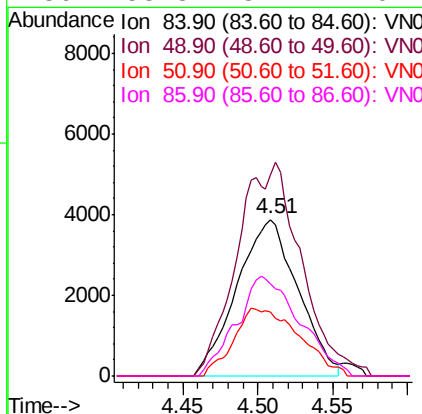
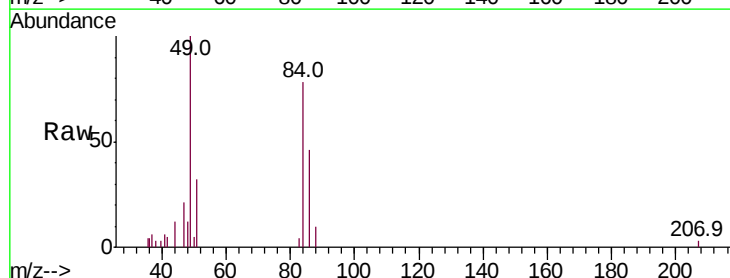
Instrument :
MSVOA_N
ClientSampleId :
PB131701ZHE#12

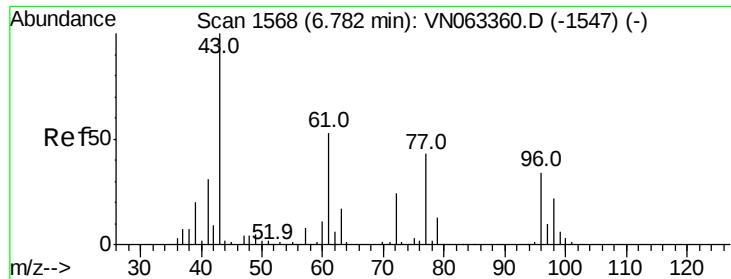
Tot Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
74 5.8 17.4 26.2#



#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

Tgt Ion: 84 Resp: 11003
Ion Ratio Lower Upper
84 100
49 128.9 110.7 166.1
51 41.0 32.9 49.3
86 58.8 51.1 76.7





#25

2-Butanone

Concen: 2.682 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

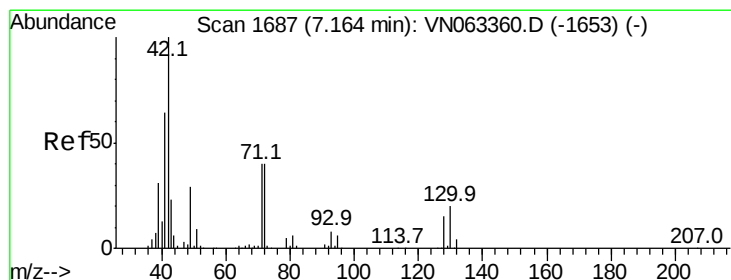
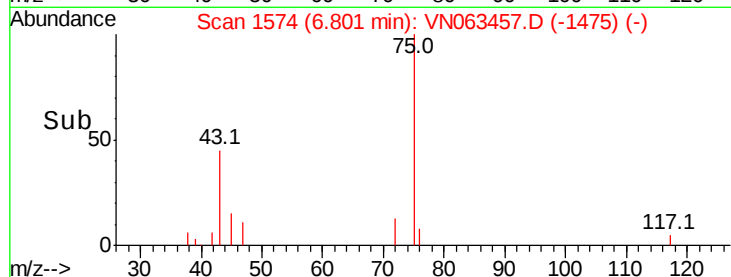
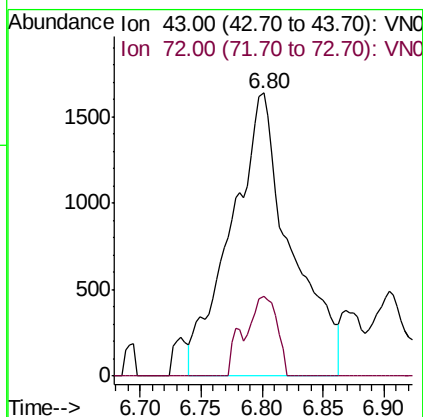
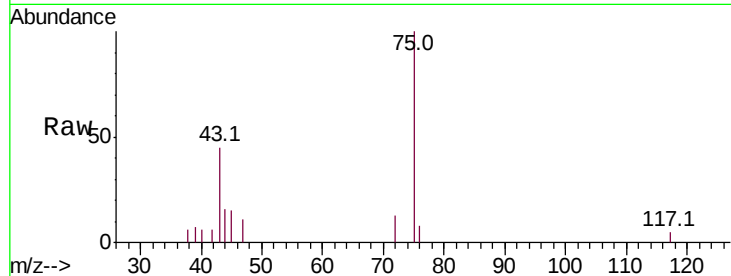
PB131701ZHE#12

Tot Ion: 43 Resp: 5536

Ion Ratio Lower Upper

43 100

72 31.7 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

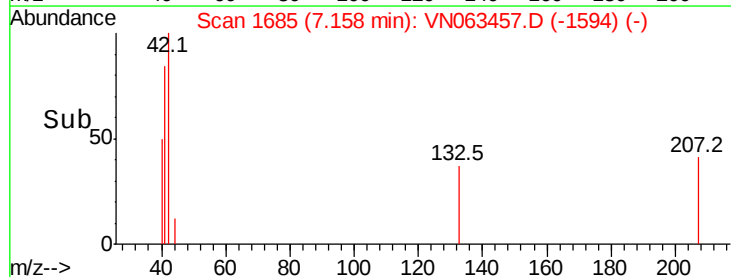
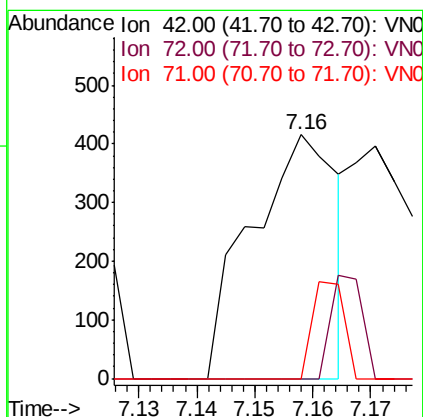
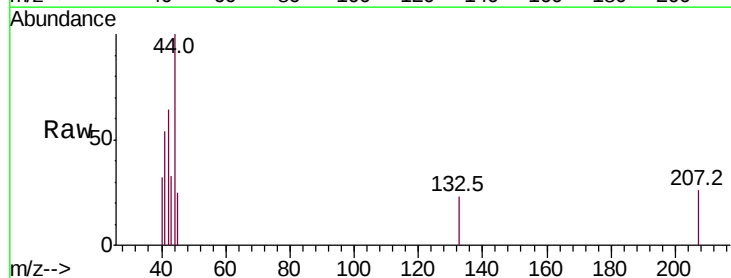
Tgt Ion: 42 Resp: 426

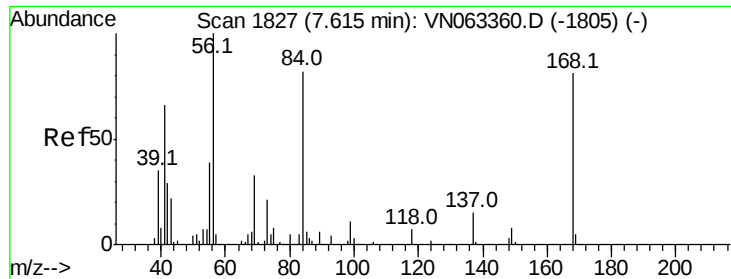
Ion Ratio Lower Upper

42 100

72 15.5 32.1 48.1#

71 14.8 31.2 46.8#

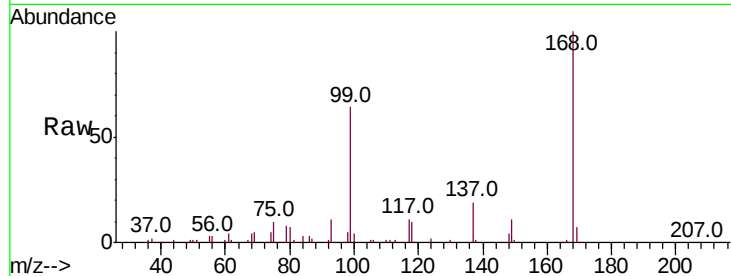




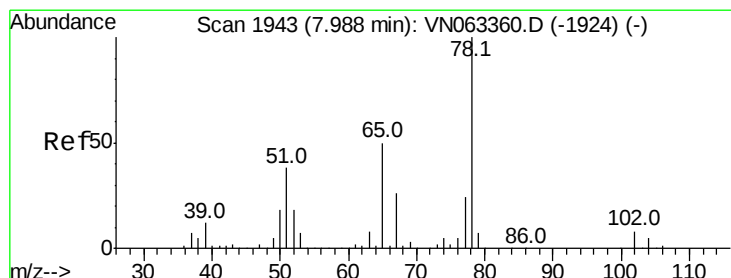
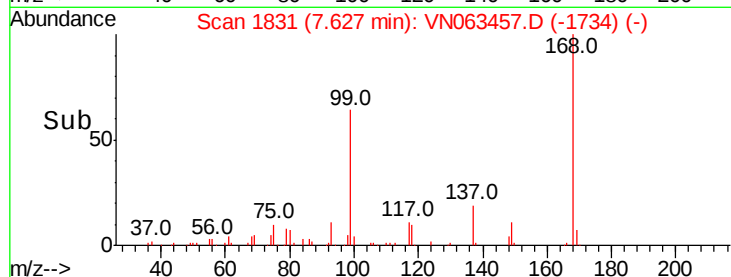
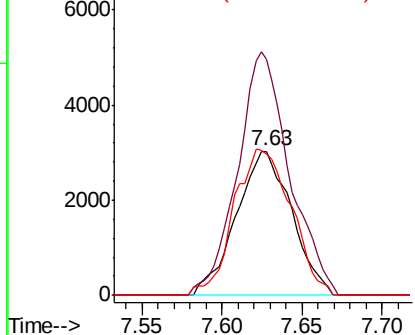
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
PB131701ZHE#12

Tot Ion: 56 Resp: 7213
Ion Ratio Lower Upper
56 100
69 163.4 26.1 39.1#
84 98.2 65.4 98.2

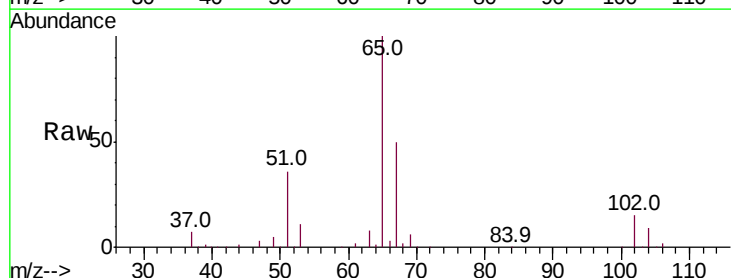


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

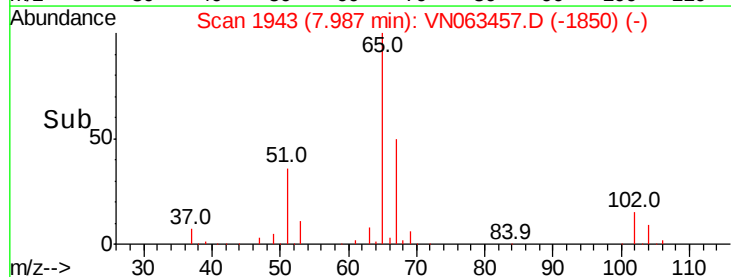
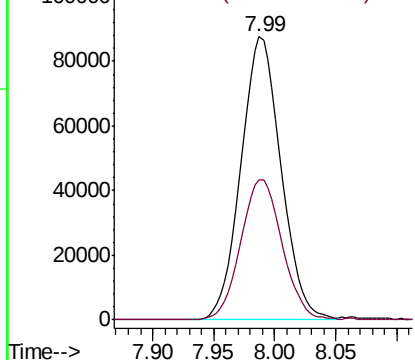


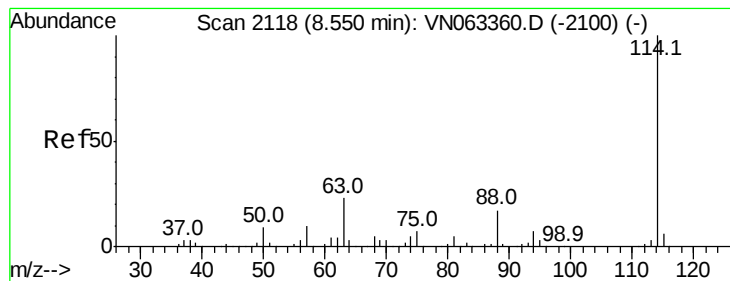
#33
1,2-Dichloroethane-d4
Concen: 47.648 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

Tgt Ion: 65 Resp: 199012
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB131701ZHE#12

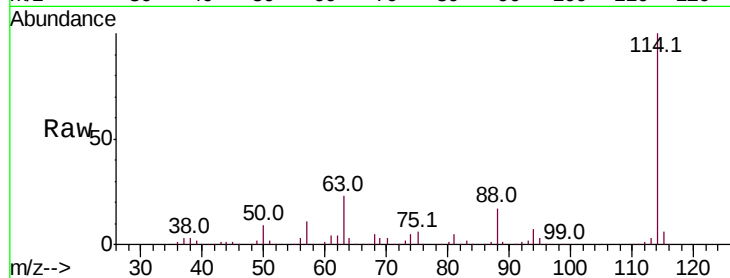
Tot Ion:114 Resp: 463173

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.4

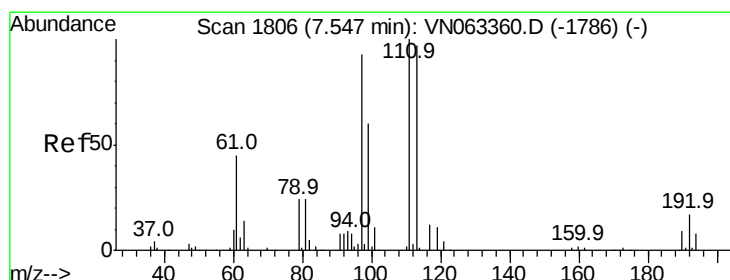
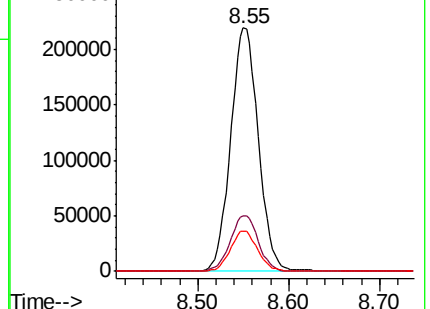
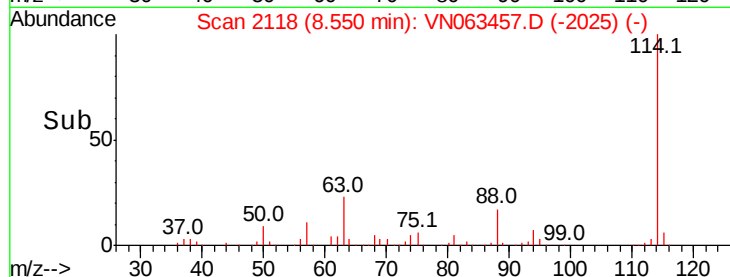
88 16.7 0.0 33.2



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: 46.479 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

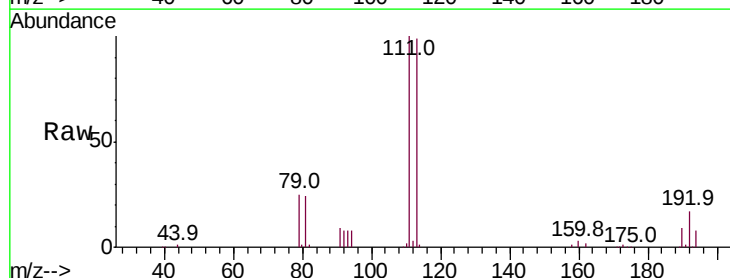
Tgt Ion:113 Resp: 149033

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

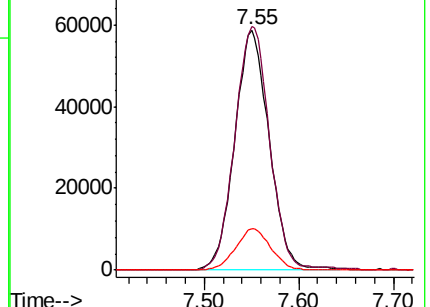
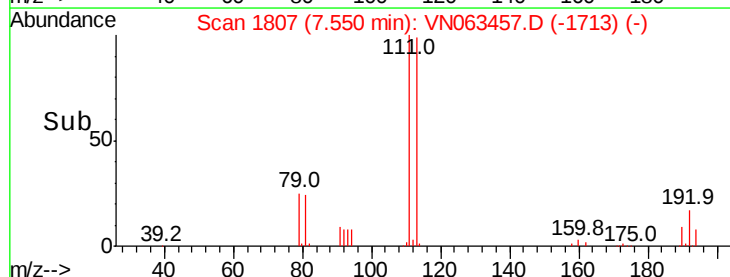
192 17.4 13.9 20.9

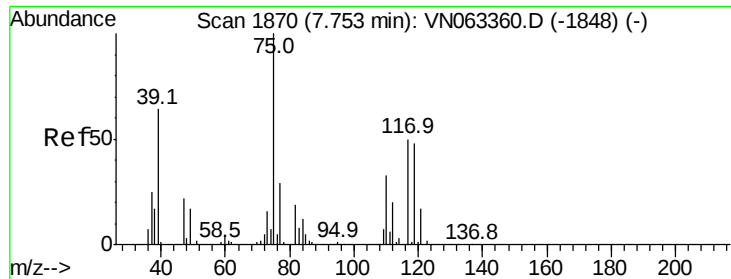


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.851 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB131701ZHE#12

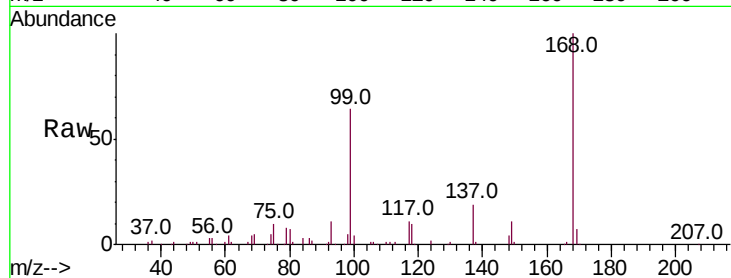
Tot Ion: 75 Resp: 23938

Ion Ratio Lower Upper

75 100

110 8.2 16.5 49.5#

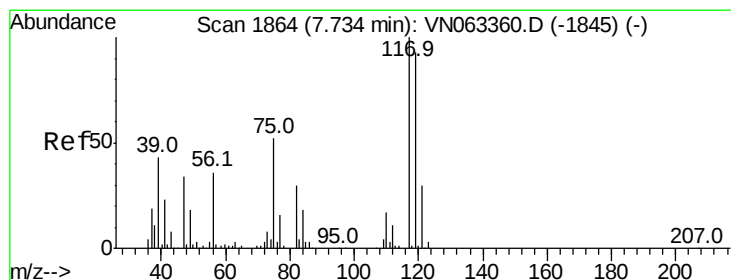
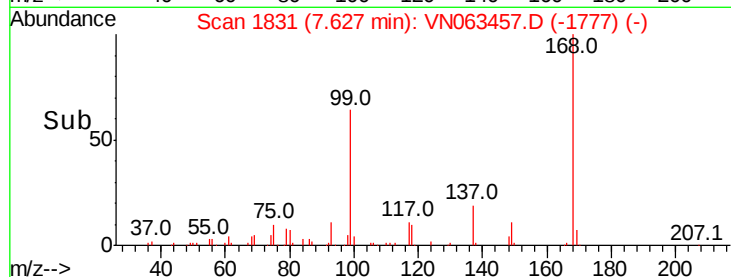
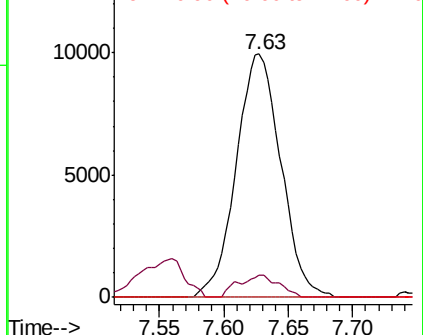
77 0.0 24.6 36.8#



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: 5.412 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

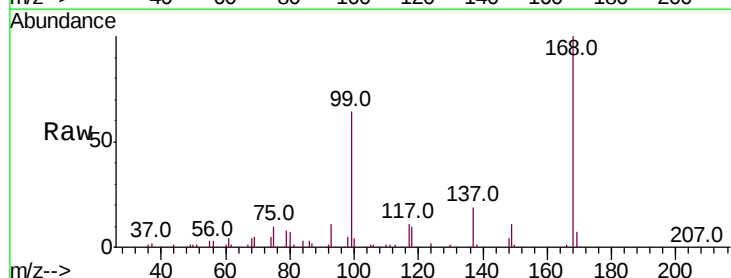
Tgt Ion: 117 Resp: 27262

Ion Ratio Lower Upper

117 100

119 3.9 74.5 111.7#

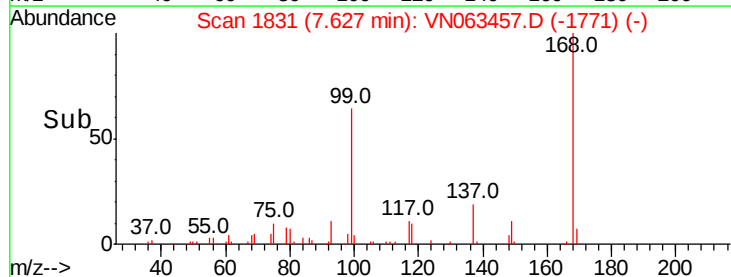
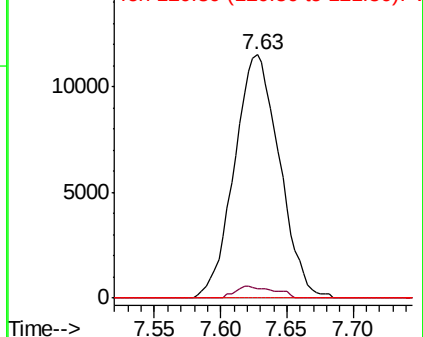
121 0.0 24.1 36.1#

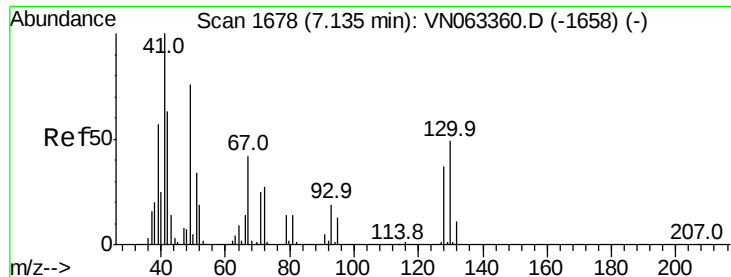


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

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

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

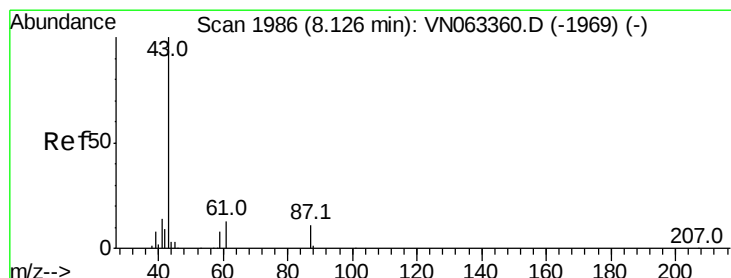
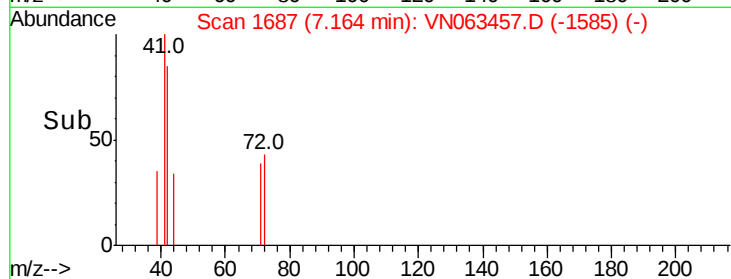
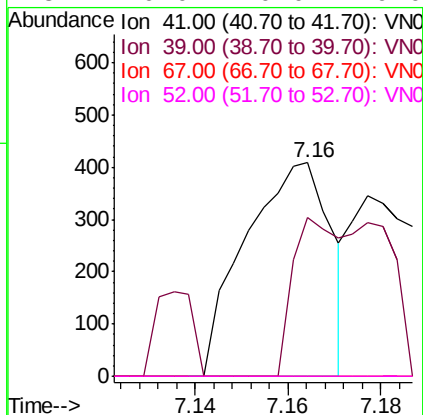
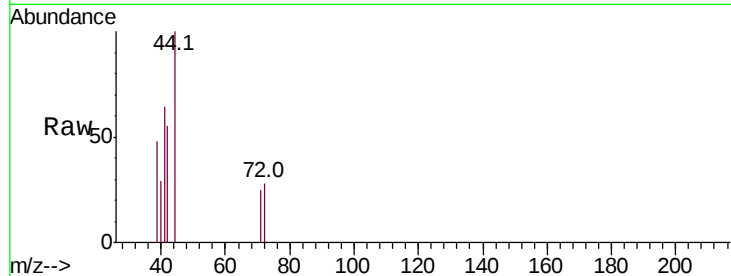




#41
Methacrylonitrile
Concen: 0.240 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

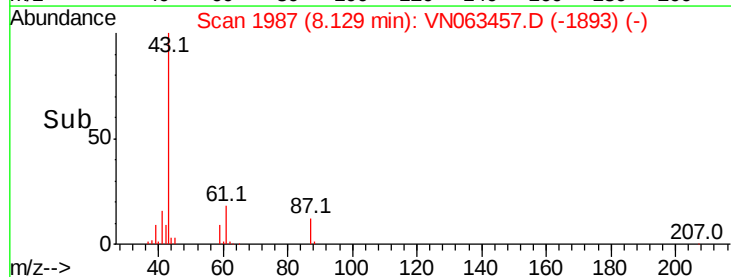
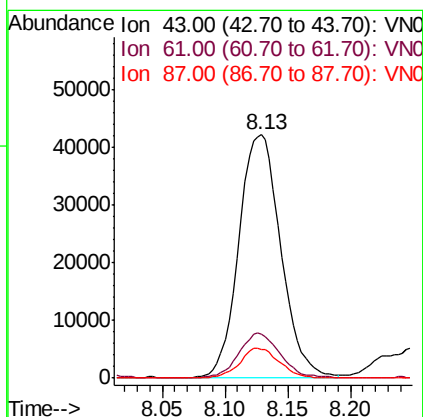
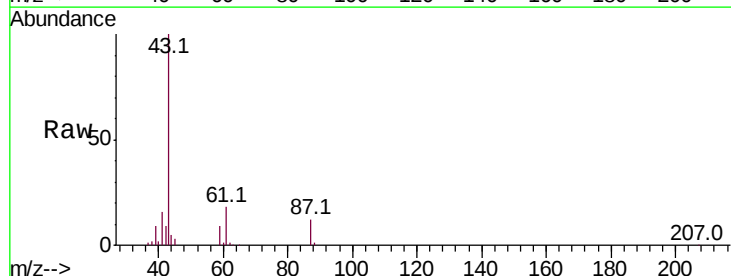
Instrument :
MSVOA_N
ClientSampleId :
PB131701ZHE#12

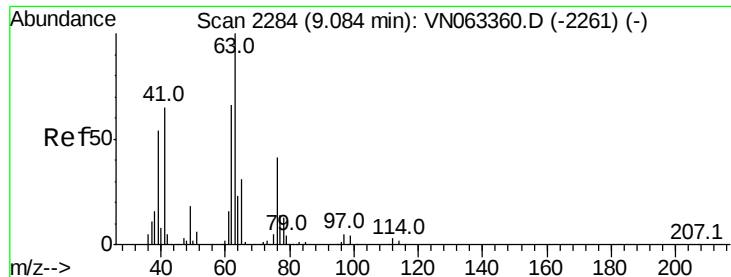
Tot Ion:	41	Resp:	523
Ion	Ratio	Lower	Upper
41	100		
39	39.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 11.340 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

Tgt Ion:	43	Resp:	98198
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	11.4	9.0	13.6





#45

1,2-Dichloropropane

Concen: 0.438 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

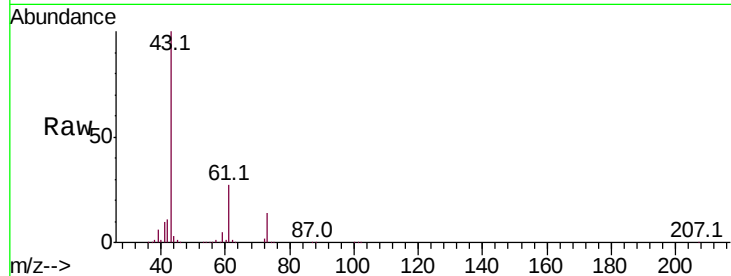
PB131701ZHE#12

Tot Ion: 63 Resp: 1680

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

9.23

1000

800

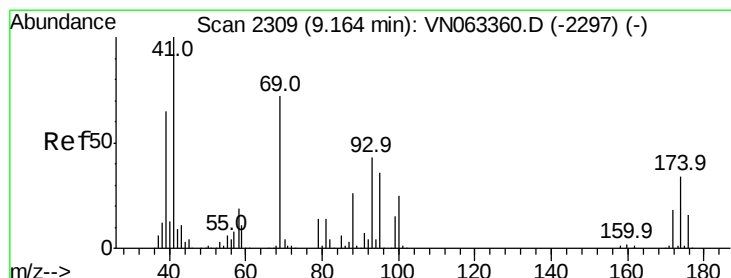
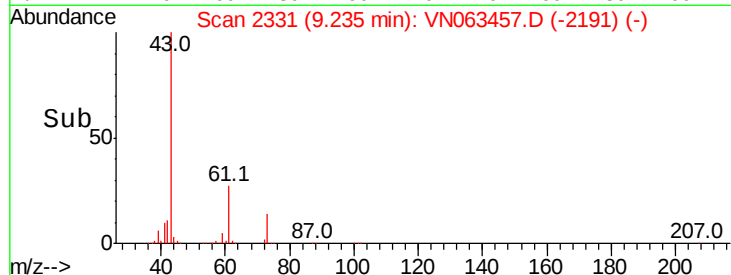
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.168 ug/l

RT: 9.15 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

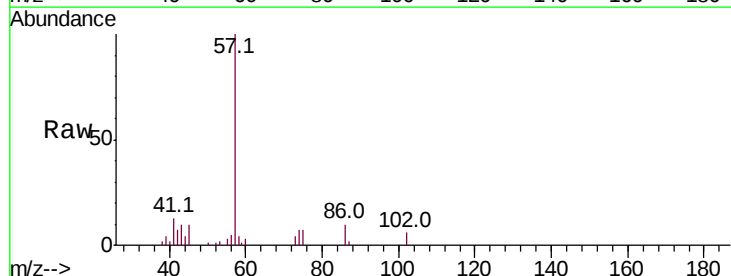
Tgt Ion: 41 Resp: 4970

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

39 0.0 52.9 79.3#



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

80000

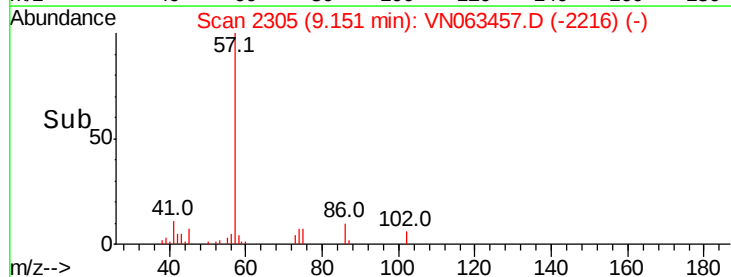
60000

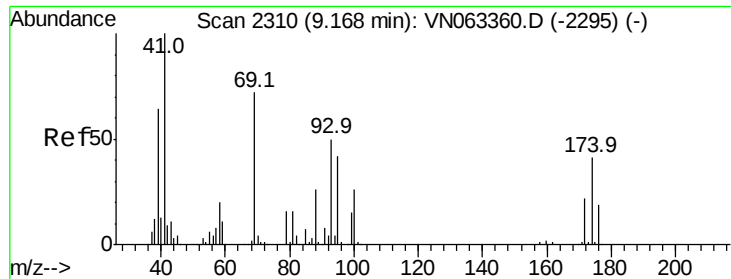
40000

20000

0

Time-->





#49

1,4-Dioxane

Concen: 1.048 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB131701ZHE#12

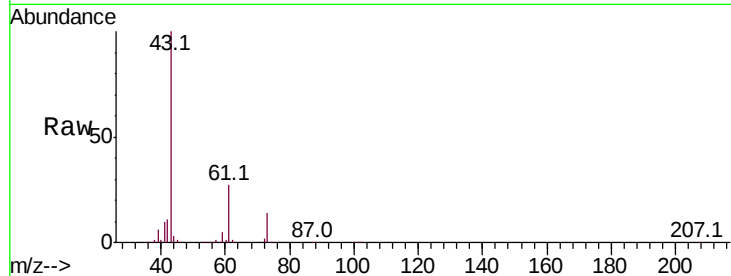
Tot Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 2509768.8 32.6 49.0#

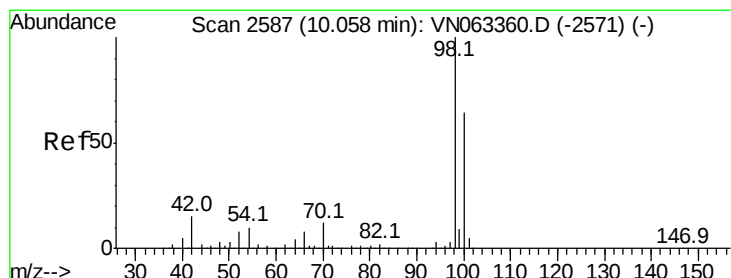
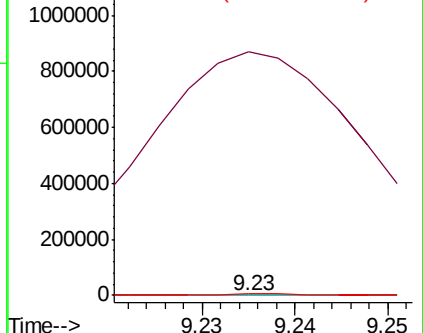
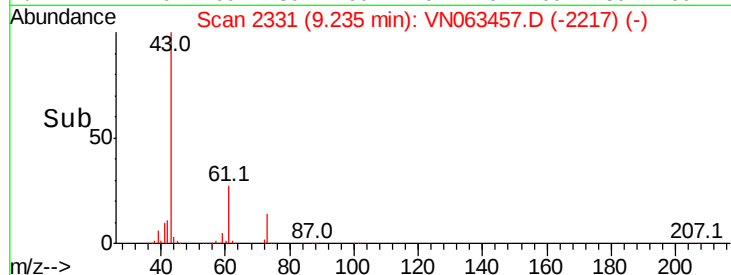
58 11025.0 60.0 90.0#



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: 49.487 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063457.D

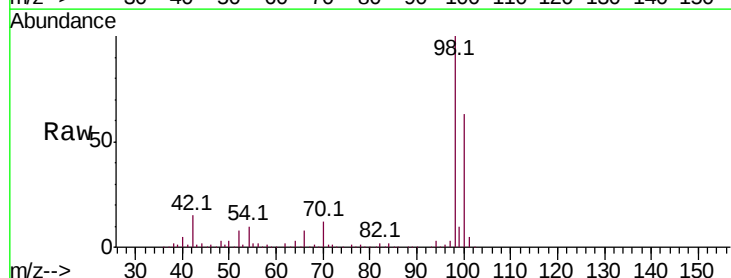
Acq: 18 Sep 2020 15:02

Tgt Ion: 98 Resp: 596651

Ion Ratio Lower Upper

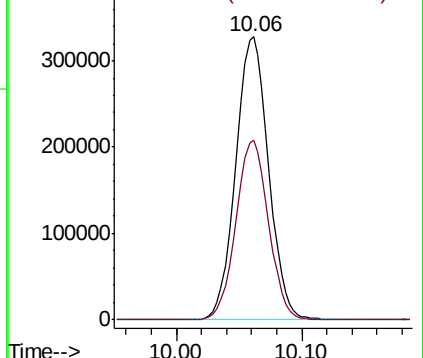
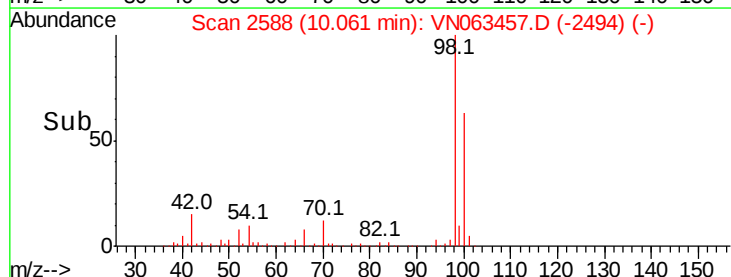
98 100

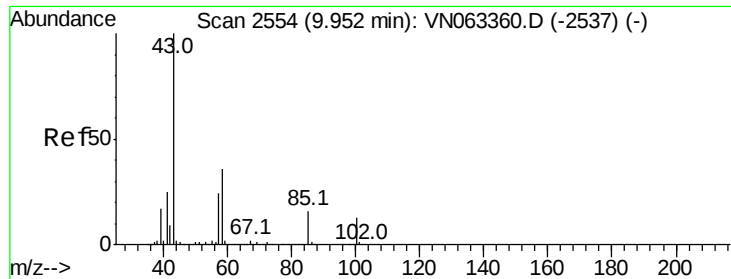
100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.413 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

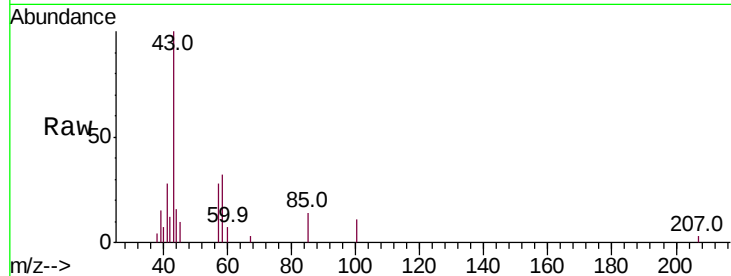
PB131701ZHE#12

Tot Ion: 43 Resp: 11697

Ion Ratio Lower Upper

43 100

58 34.2 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

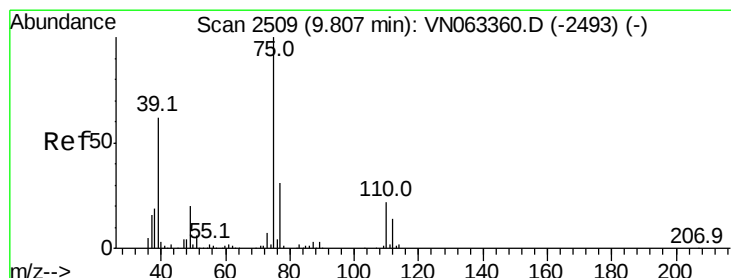
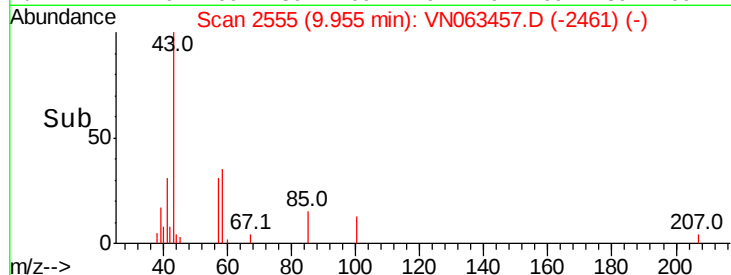
10000

5000

0

9.90 9.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.722 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

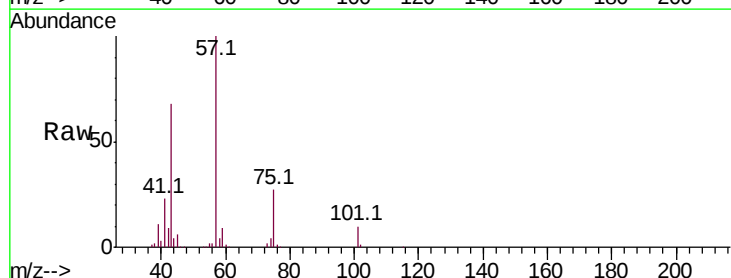
Tgt Ion: 75 Resp: 41466

Ion Ratio Lower Upper

75 100

77 0.9 24.6 37.0#

39 40.2 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

30000

25000

20000

15000

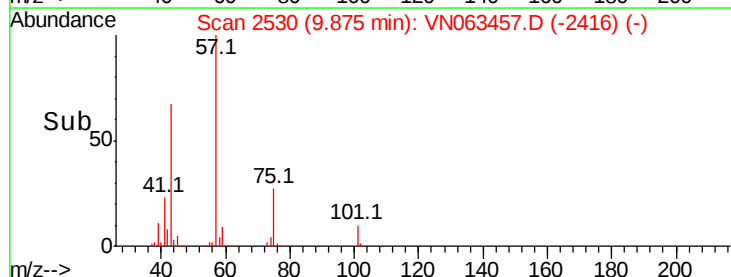
10000

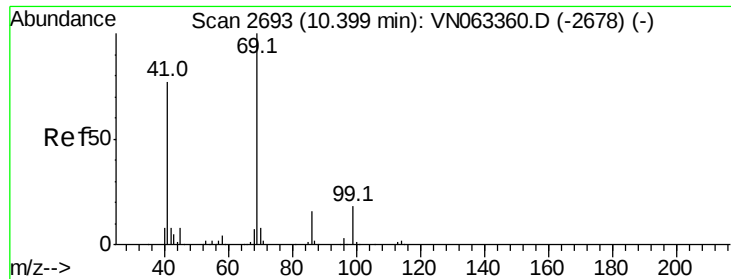
5000

0

9.80 9.85 9.90 9.95

Time-->





#56

Ethyl methacrylate

Concen: 0.318 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB131701ZHE#12

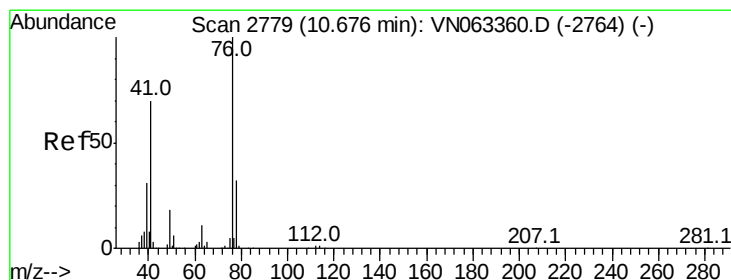
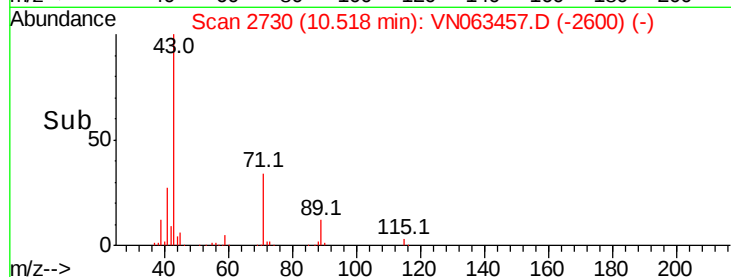
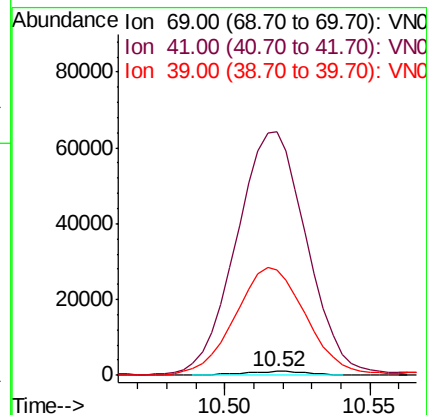
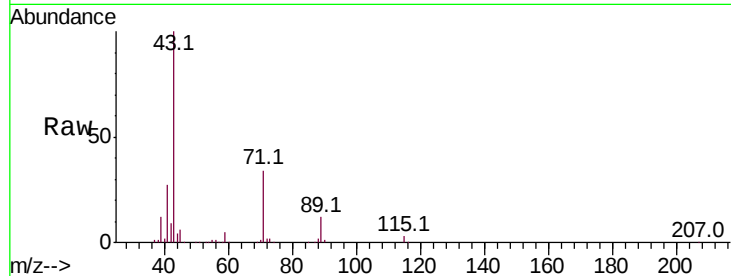
Tot Ion: 69 Resp: 1669

Ion Ratio Lower Upper

69 100

41 6447.6 61.0 91.6#

39 2913.1 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.098 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063457.D

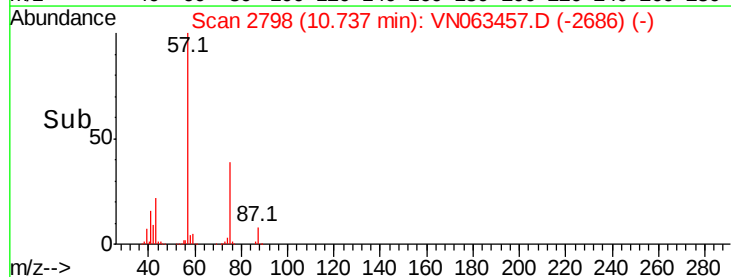
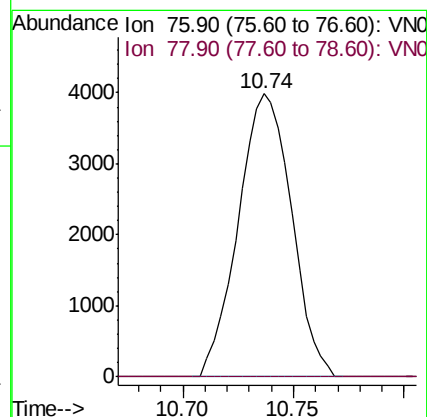
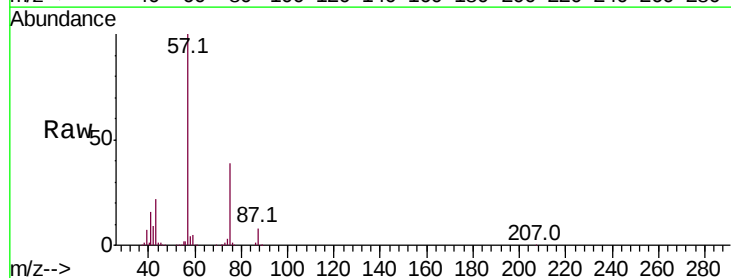
Acq: 18 Sep 2020 15:02

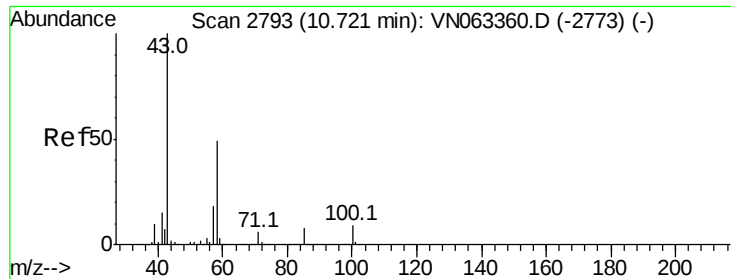
Tgt Ion: 76 Resp: 6662

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 30.478 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

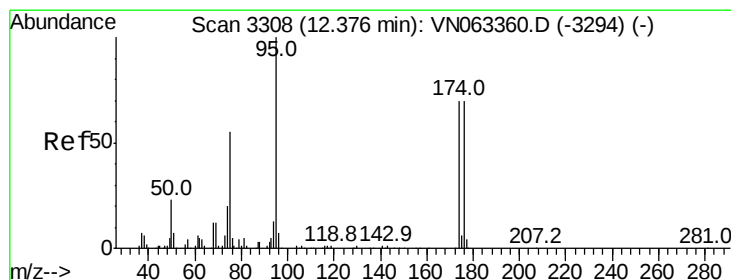
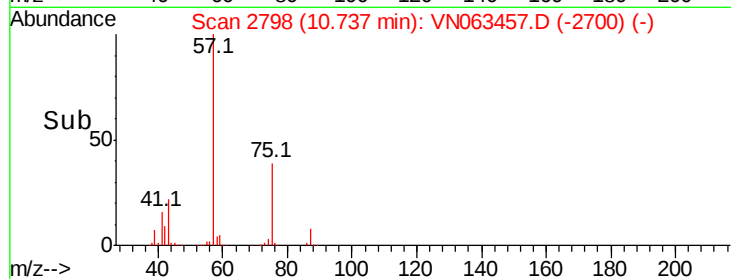
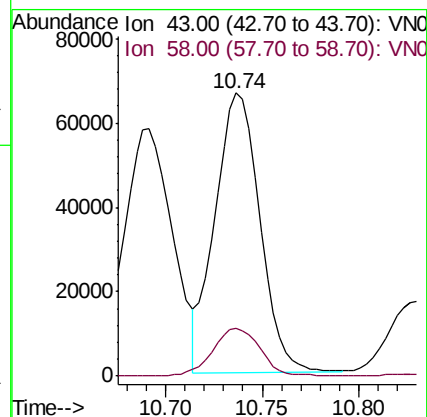
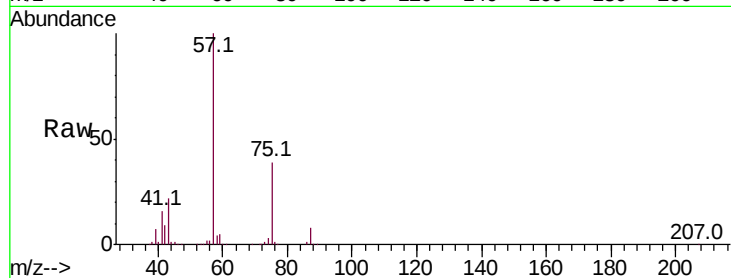
PB131701ZHE#12

Tot Ion: 43 Resp: 107045

Ion Ratio Lower Upper

43 100

58 18.2 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 54.472 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

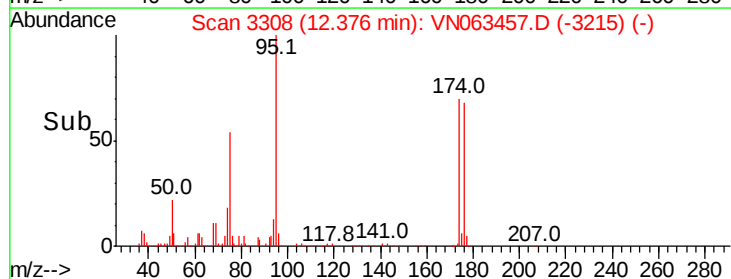
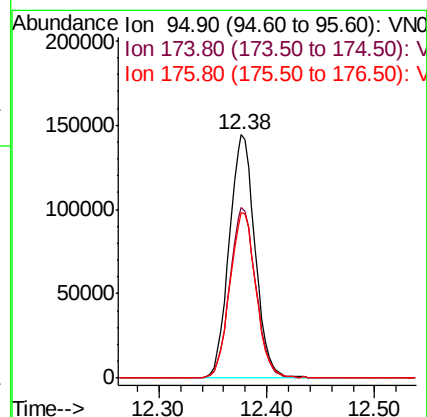
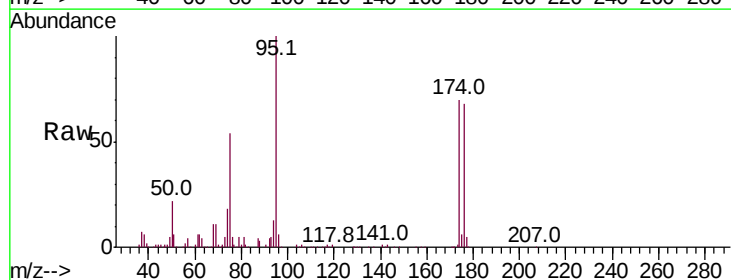
Tgt Ion: 95 Resp: 240755

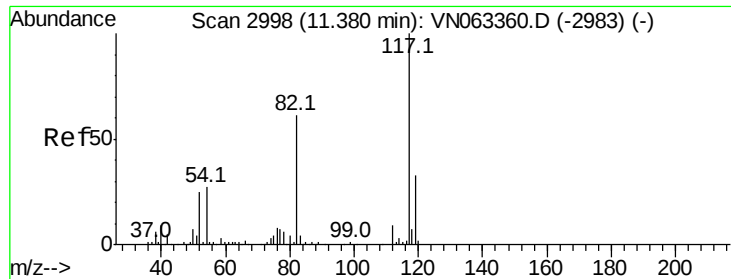
Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.8

176 68.6 0.0 137.6

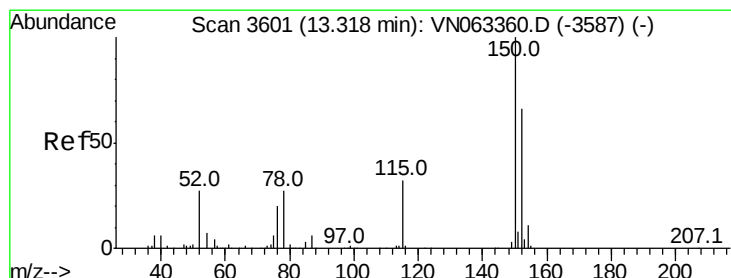
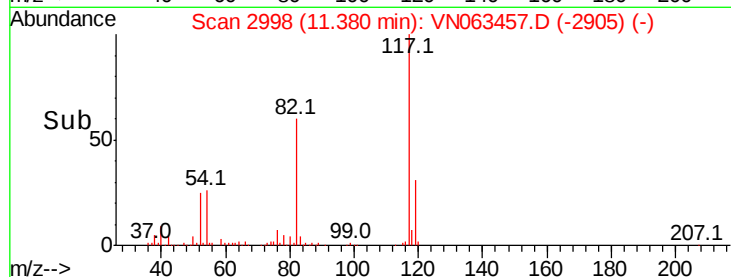
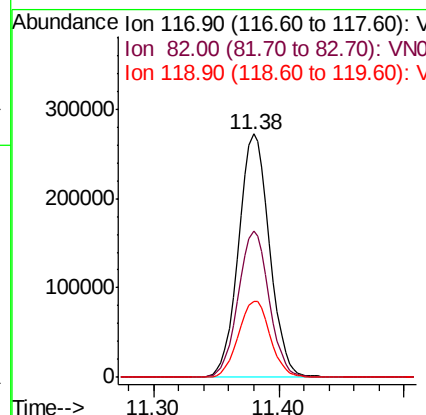
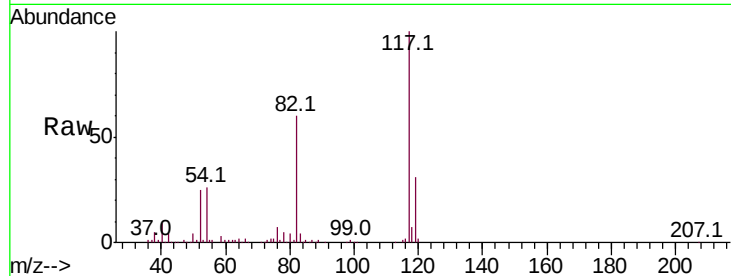




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

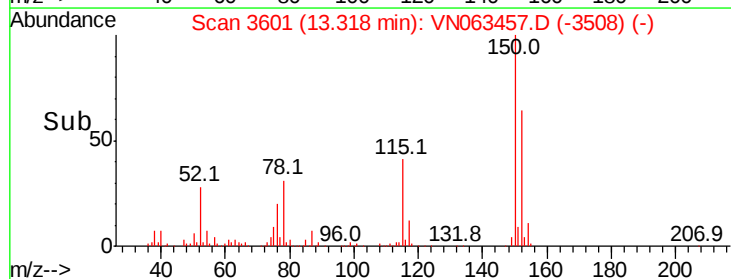
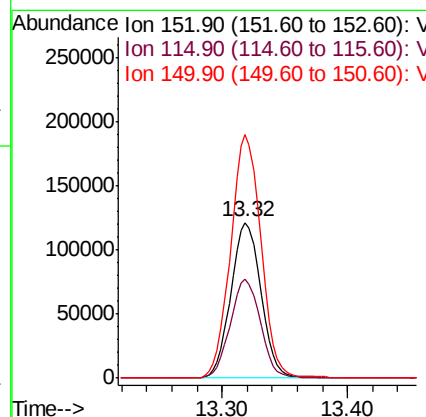
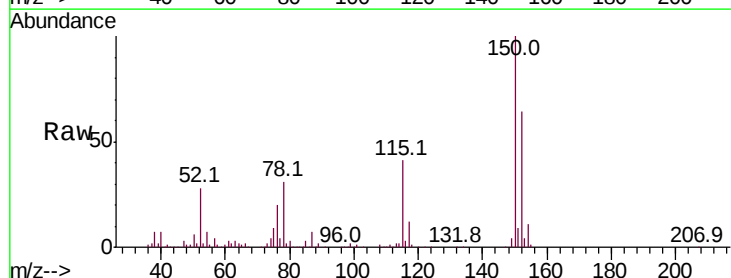
Instrument :
MSVOA_N
ClientSampleId :
PB131701ZHE#12

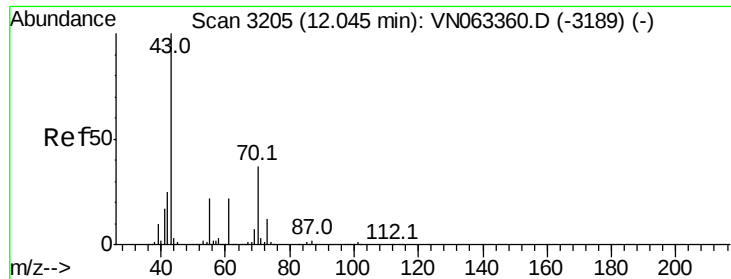
Tot Ion:117 Resp: 466293
Ion Ratio Lower Upper
117 100
82 59.9 49.2 73.8
119 31.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063457.D
Acq: 18 Sep 2020 15:02

Tgt Ion:152 Resp: 202825
Ion Ratio Lower Upper
152 100
115 63.9 32.2 96.6
150 157.2 0.0 343.4





#74

N-amvl acetate

Concen: 0.716 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.04 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB131701ZHE#12

Tot Ion: 43 Resp: 5506

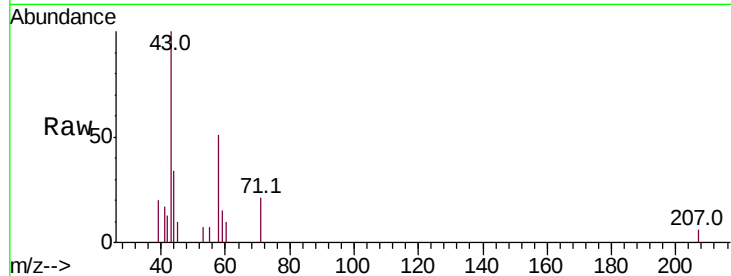
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 4.4 17.7 26.5#

61 0.0 17.4 26.2#

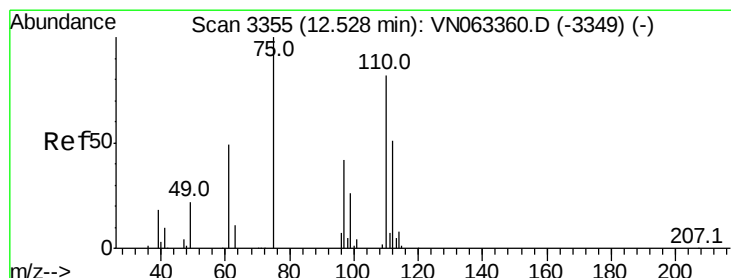
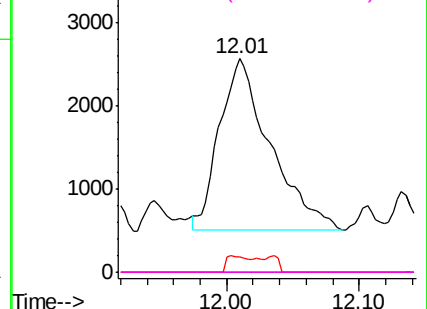
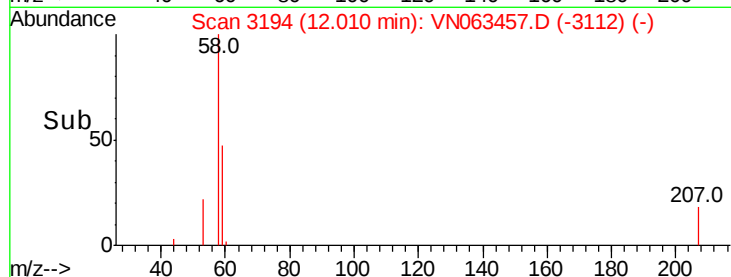


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 26.623 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063457.D

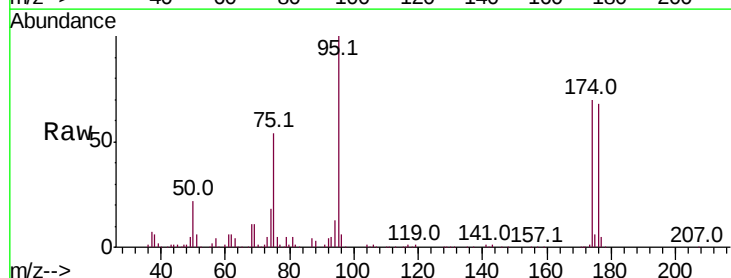
Acq: 18 Sep 2020 15:02

Tgt Ion: 75 Resp: 133651

Ion Ratio Lower Upper

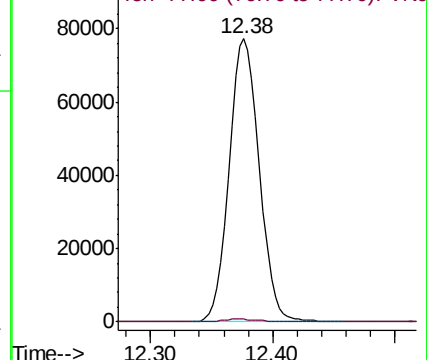
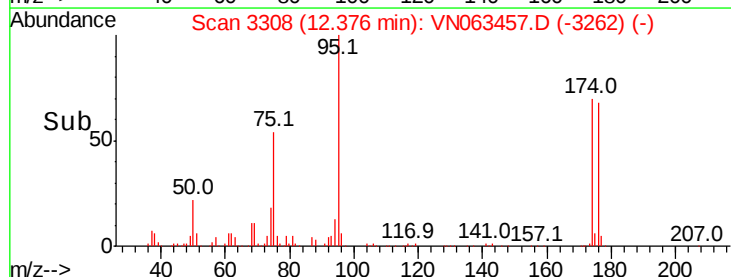
75 100

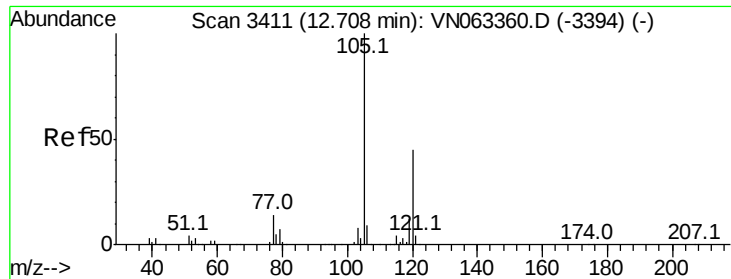
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.346 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

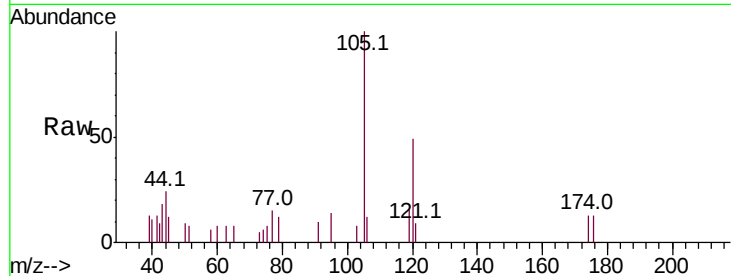
PB131701ZHE#12

Tot Ion:105 Resp: 4686

Ion Ratio Lower Upper

105 100

120 45.1 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

3000

2500

2000

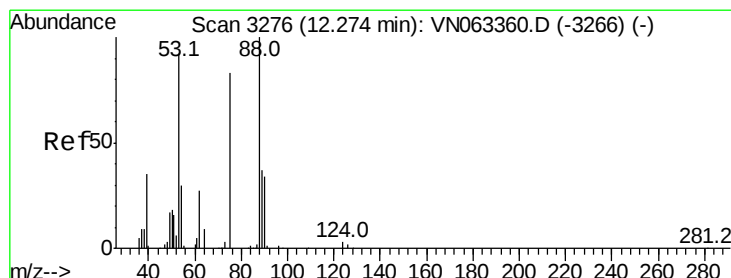
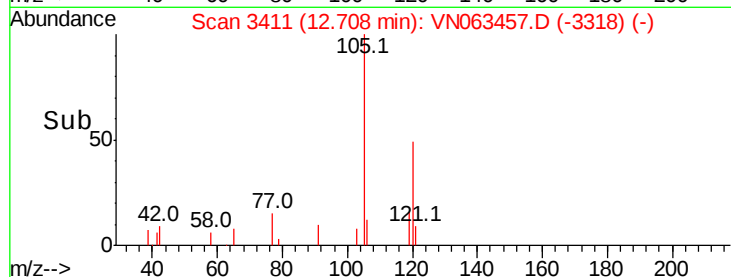
1500

1000

500

0

Time--> 12.65 12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 72.989 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063457.D

Acq: 18 Sep 2020 15:02

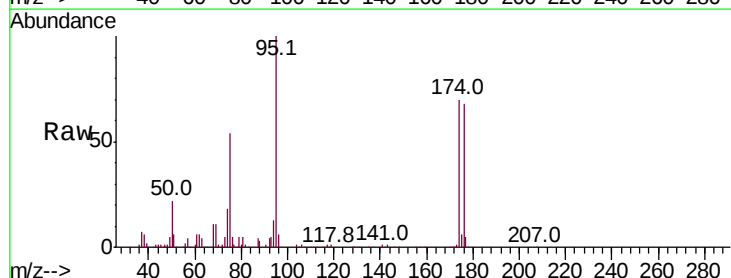
Tgt Ion: 75 Resp: 133651

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

100000

80000

60000

40000

20000

0

Time--> 12.30 12.40

