

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063496.D
 Acq On : 21 Sep 2020 19:19
 Operator : JC/MD
 Sample : PB131742TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131742TB

Quant Time: Sep 22 02:27:33 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

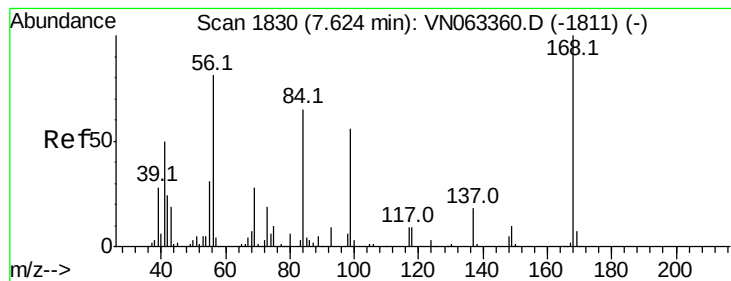
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	272936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	517800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	522786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	228739	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	218922	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	7.55	113	162255	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
50) Toluene-d8	10.06	98	662408	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.38	95	271754	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	650	0.308	ug/l #	30
11) Tert butyl alcohol	4.72	59	945	1.468	ug/l #	89
13) Acrolein	3.56	56	167	0.700	ug/l	85
16) Acetone	3.77	43	59940	40.143	ug/l	96
18) Methyl Acetate	4.28	43	2137	0.564	ug/l #	47
20) Methylene Chloride	4.51	84	34221	9.046	ug/l	94
25) 2-Butanone	6.79	43	7647	3.330	ug/l	99
26) 2,2-Dichloropropane	6.77	77	1284	0.215	ug/l #	55
29) Tetrahydrofuran	7.18	42	1342	0.856	ug/l #	57
31) Cyclohexane	7.62	56	7952	1.239	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	26102	4.732	ug/l #	51
38) Carbon Tetrachloride	7.62	117	31922	5.669	ug/l #	18
41) Methacrylonitrile	7.16	41	538	0.221	ug/l #	100
43) Isopropyl Acetate	8.13	43	92972	9.604	ug/l	99
48) Methyl methacrylate	9.15	41	5365	1.128	ug/l #	16
49) 1,4-Dioxane	9.17	88	99	1.450	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	14503	2.676	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	37371	5.419	ug/l #	60
57) 1,3-Dichloropropane	10.74	76	6219	0.917	ug/l #	42
59) 2-Hexanone	10.74	43	103746	26.422	ug/l #	55
74) N-amyl acetate	12.00	43	5308	0.612	ug/l #	56
76) 1,2,3-Trichloropropane	12.38	75	151394	26.740	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4537	0.297	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.38	75	151394	73.312	ug/l #	7

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

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

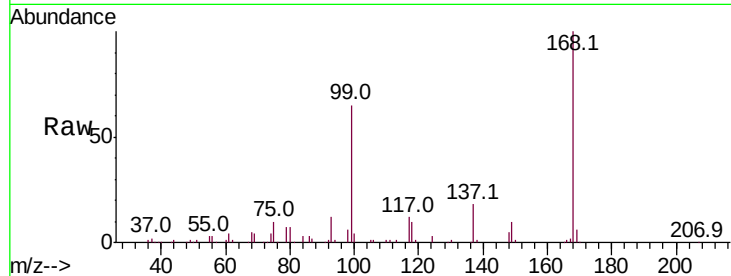
PB131742TB

Tot Ion:168 Resp: 272936

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

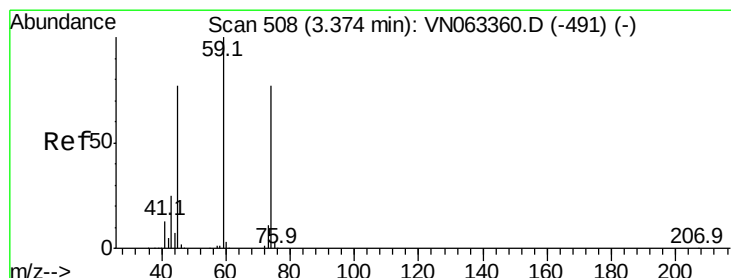
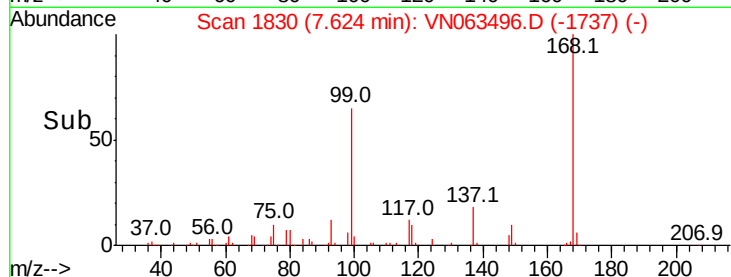
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#8

Diethyl Ether

Concen: 0.308 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN063496.D

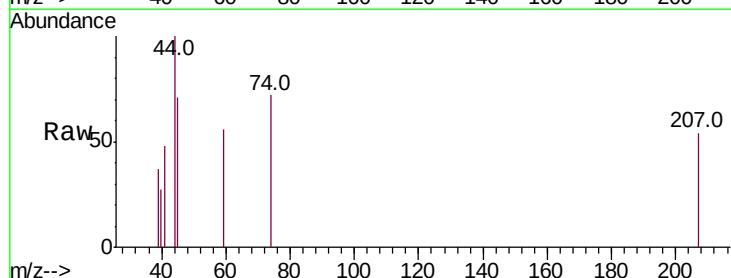
Acq: 21 Sep 2020 19:19

Tgt Ion: 74 Resp: 650

Ion Ratio Lower Upper

74 100

45 176.2 52.1 156.4#



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.37

600

500

400

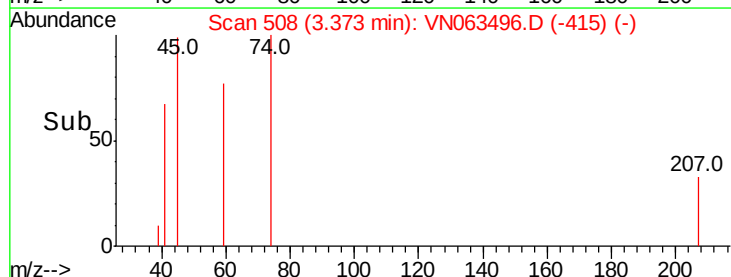
300

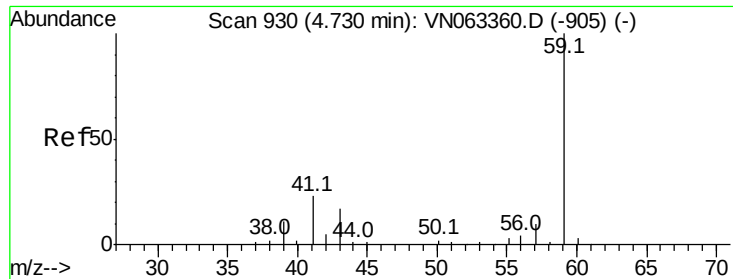
200

100

0

Time--> 3.34 3.36 3.38 3.40

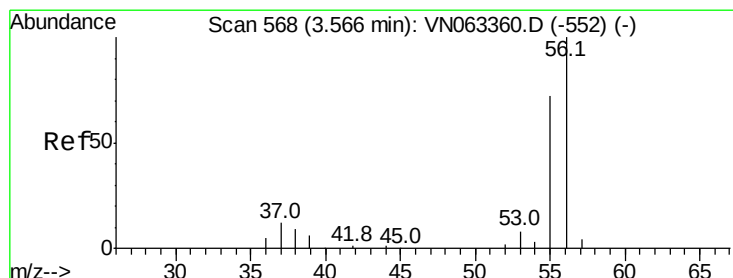
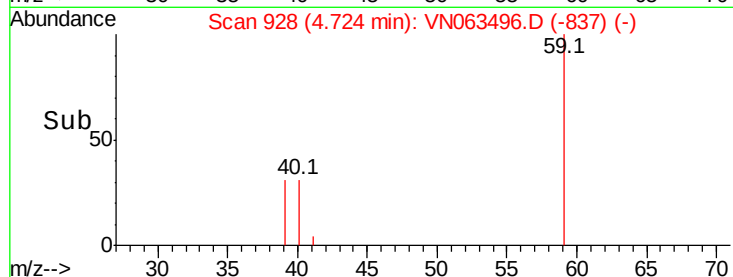
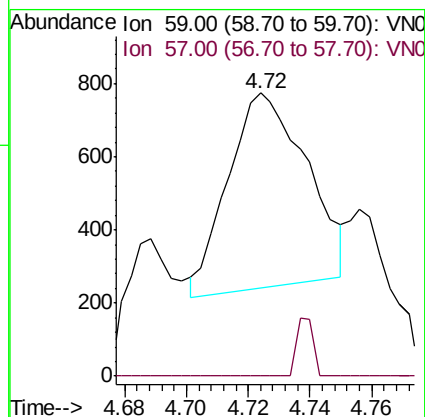
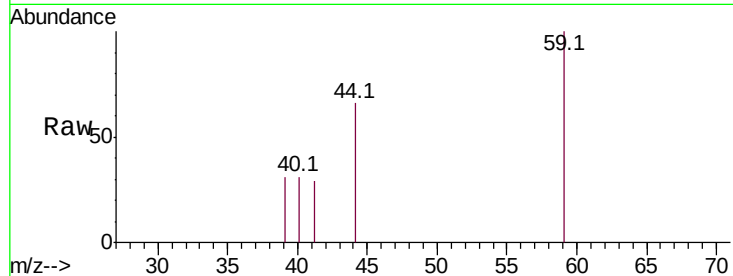




#11
Tert butyl alcohol
Concen: 1.468 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

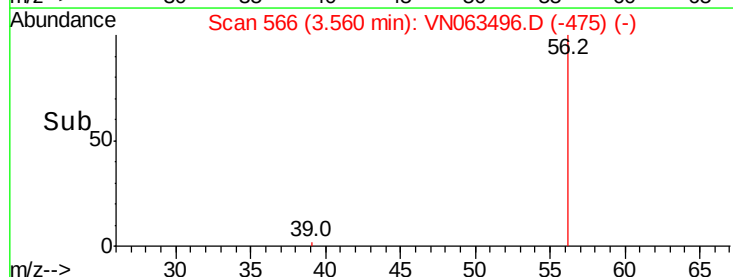
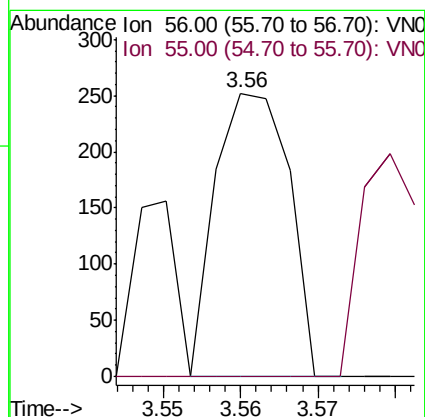
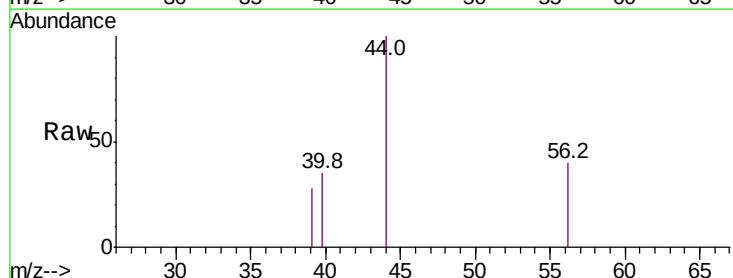
Instrument :
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ClientSampleId :
PB131742TB

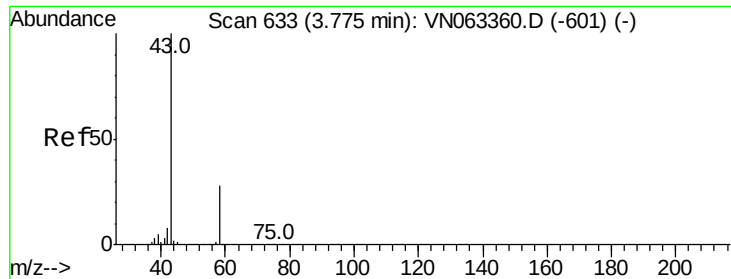
Tot Ion: 59 Resp: 945
Ion Ratio Lower Upper
59 100
57 6.5 8.4 12.6#



#13
Acrolein
Concen: 0.700 ug/l
RT: 3.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 59.9 58.2 87.2





#16

Acetone

Concen: 40.143 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

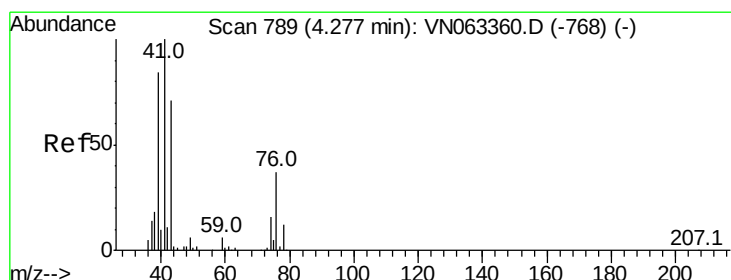
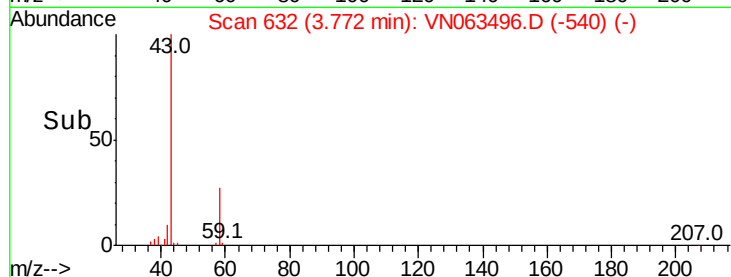
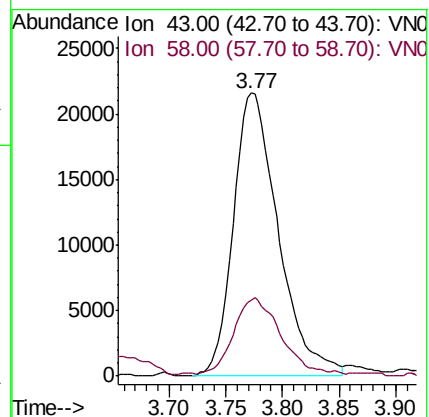
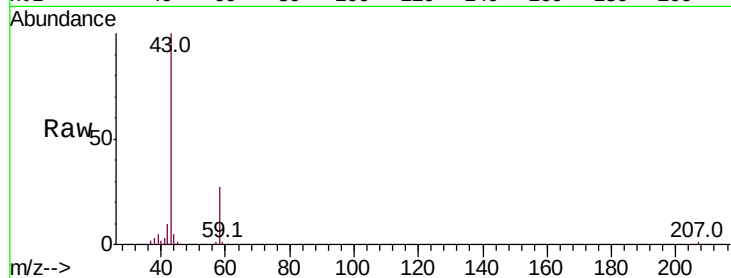
PB131742TB

Tot Ion: 43 Resp: 59940

Ion Ratio Lower Upper

43 100

58 26.0 22.3 33.5



#18

Methyl Acetate

Concen: 0.564 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063496.D

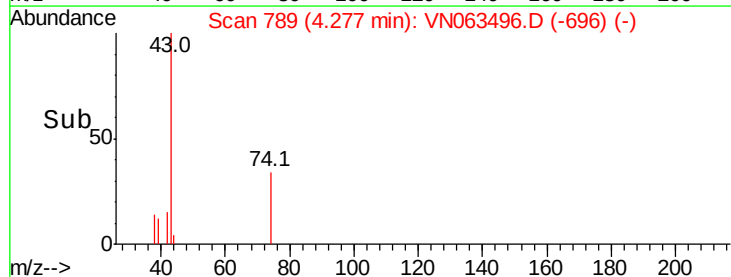
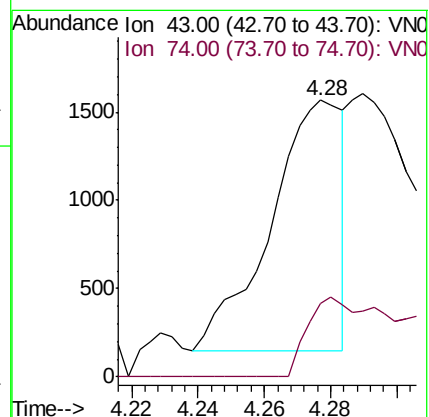
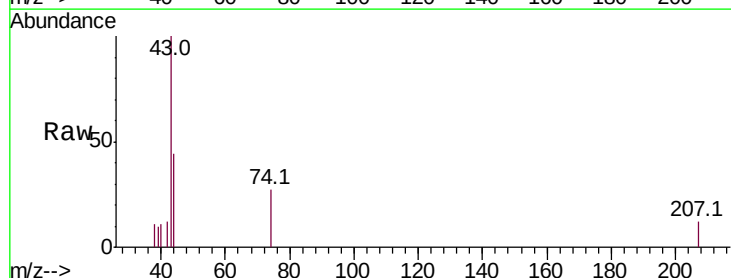
Acq: 21 Sep 2020 19:19

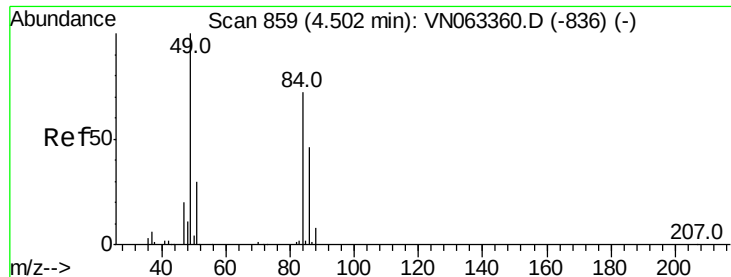
Tgt Ion: 43 Resp: 2137

Ion Ratio Lower Upper

43 100

74 47.2 17.4 26.2#





#20

Methylene Chloride

Concen: 9.046 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

PB131742TB

Tot Ion: 84 Resp: 34221

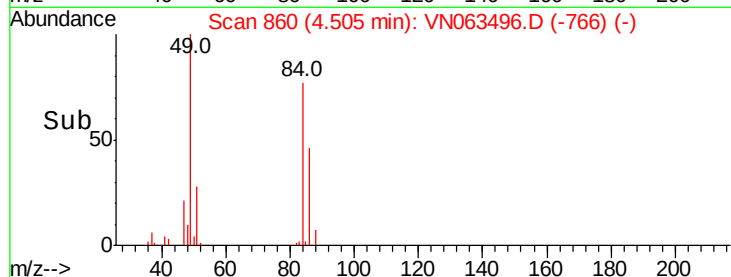
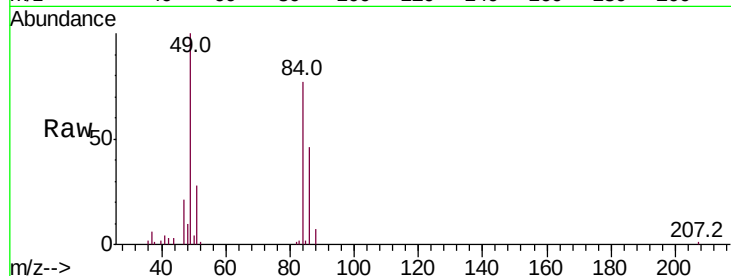
Ion Ratio Lower Upper

84 100

49 130.5 110.7 166.1

51 36.8 32.9 49.3

86 59.4 51.1 76.7

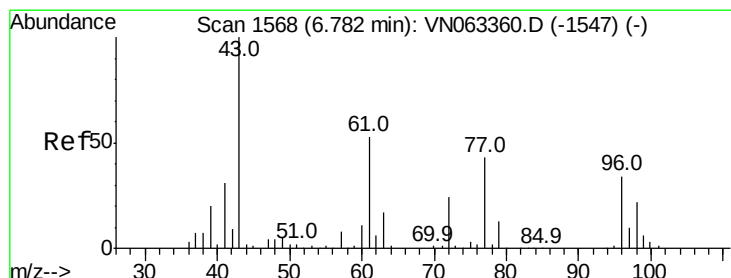
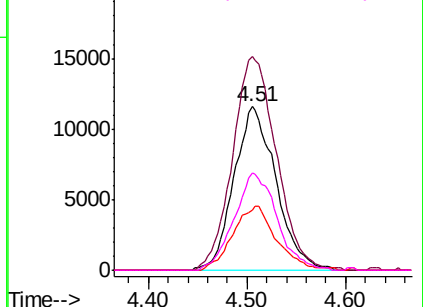


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25

2-Butanone

Concen: 3.330 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063496.D

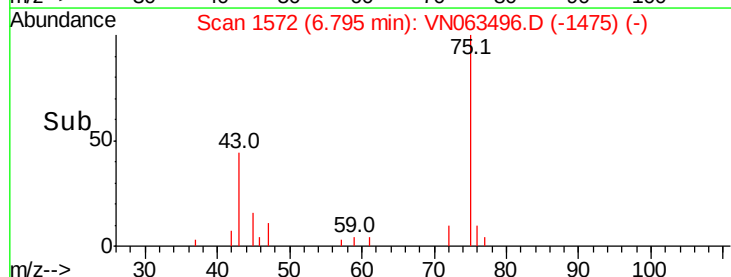
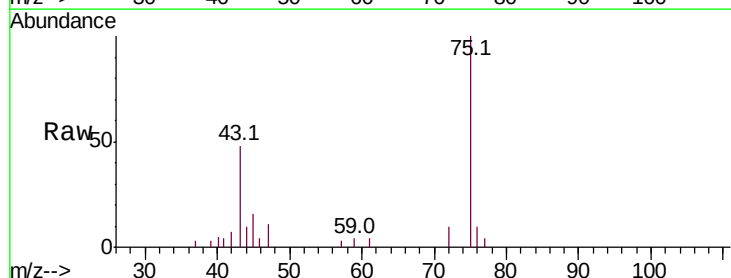
Acq: 21 Sep 2020 19:19

Tgt Ion: 43 Resp: 7647

Ion Ratio Lower Upper

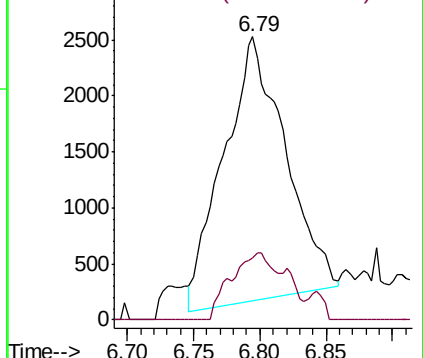
43 100

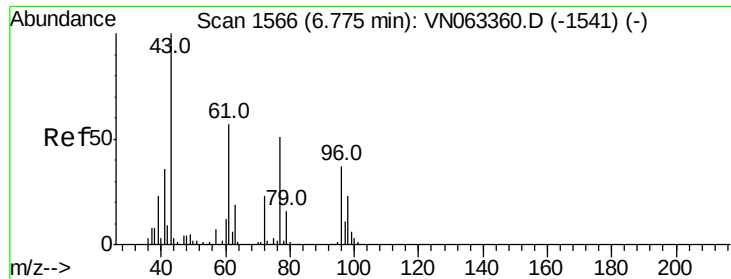
72 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

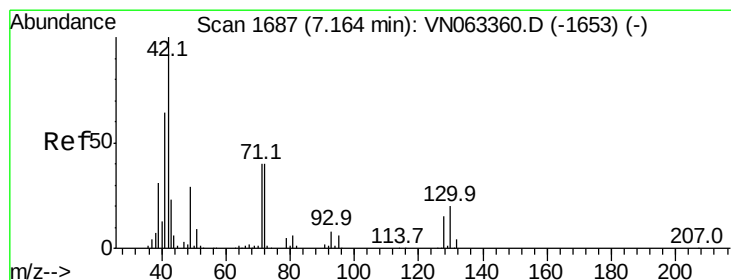
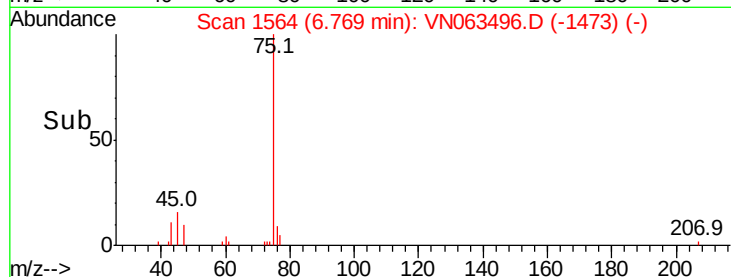
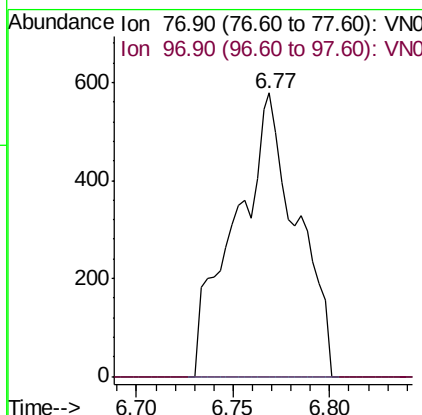
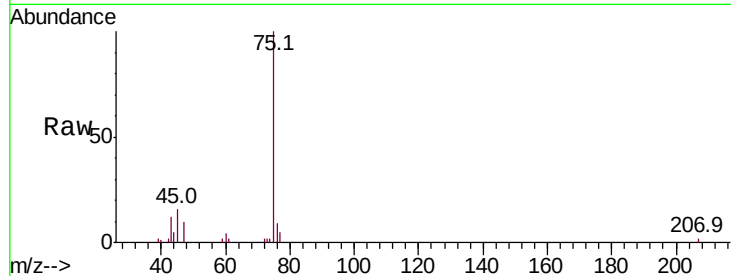




#26
 2,2-Dichloropropane
 Concen: 0.215 ug/l
 RT: 6.77 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN063496.D
 Acq: 21 Sep 2020 19:19

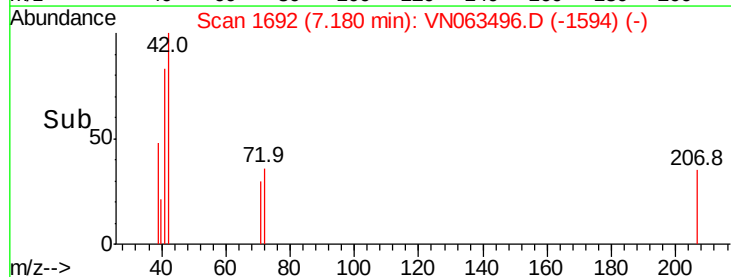
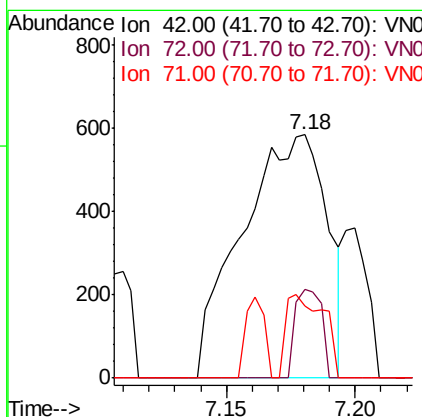
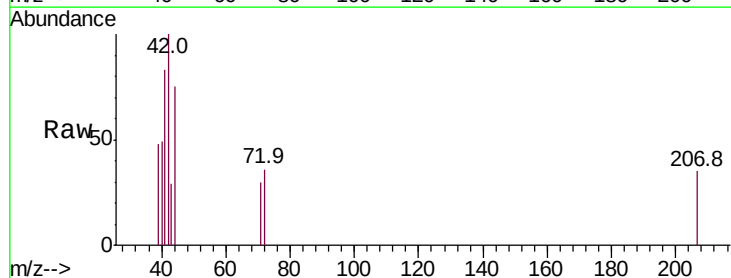
Instrument :
 MSVOA_N
 ClientSampled :
 PB131742TB

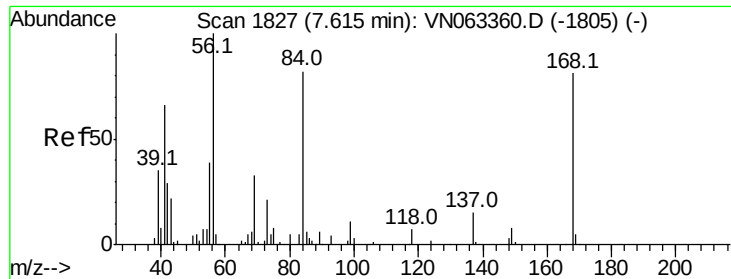
Tot Ion: 77 Resp: 1284
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#



#29
 Tetrahydrofuran
 Concen: 0.856 ug/l
 RT: 7.18 min Scan# 1692
 Delta R.T. 0.02 min
 Lab File: VN063496.D
 Acq: 21 Sep 2020 19:19

Tgt Ion: 42 Resp: 1342
 Ion Ratio Lower Upper
 42 100
 72 11.3 32.1 48.1#
 71 15.1 31.2 46.8#

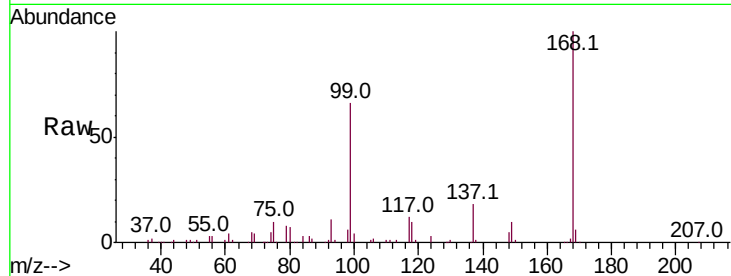




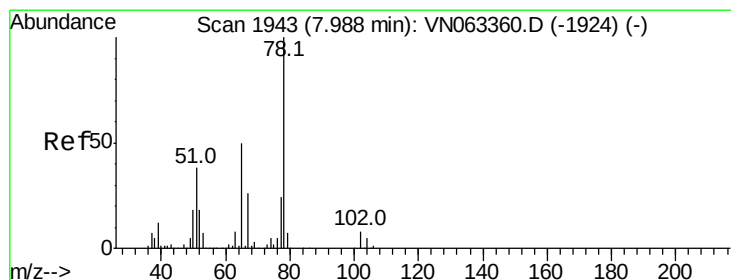
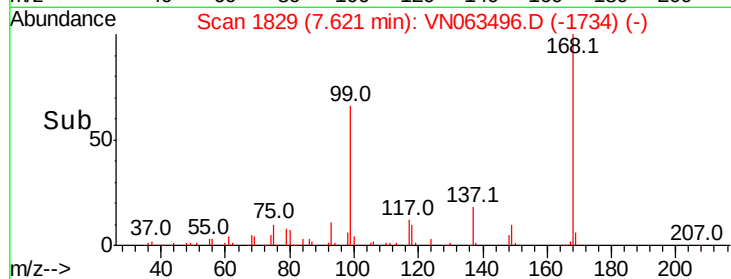
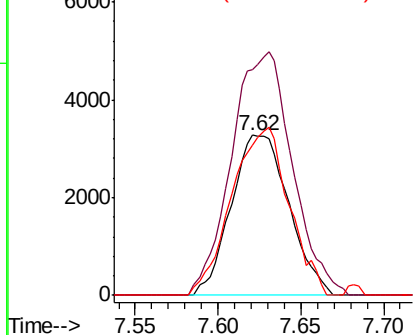
#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
PB131742TB

Tot Ion: 56 Resp: 7952
Ion Ratio Lower Upper
56 100
69 140.9 26.1 39.1#
84 93.9 65.4 98.2

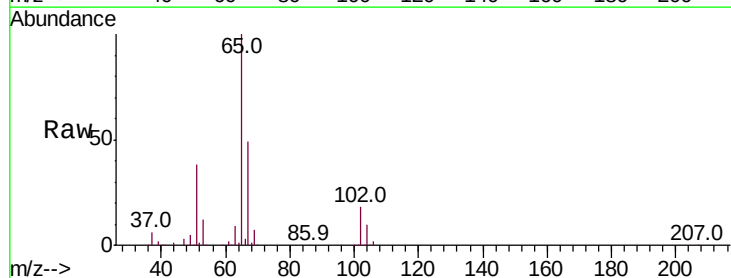


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

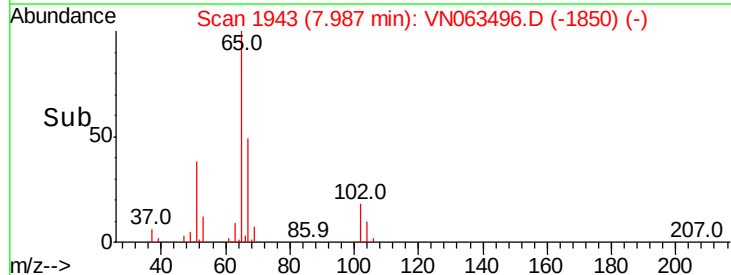
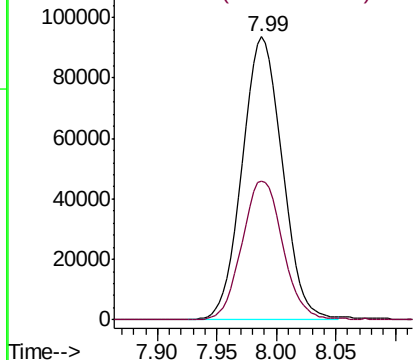


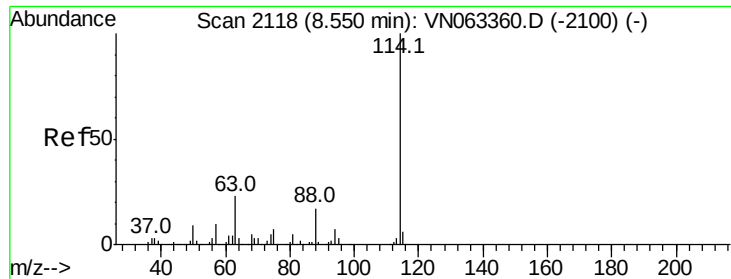
#33
1,2-Dichloroethane-d4
Concen: 47.120 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Tgt Ion: 65 Resp: 218922
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.2



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

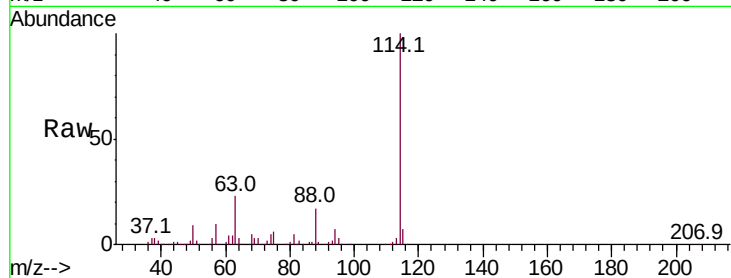




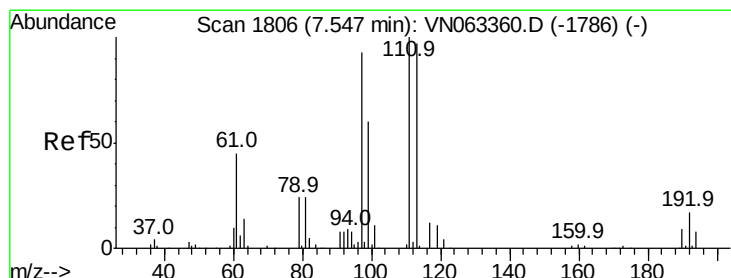
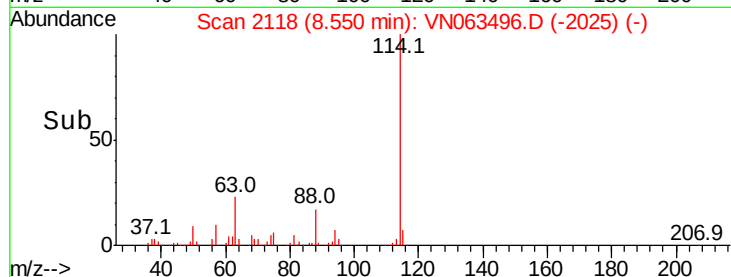
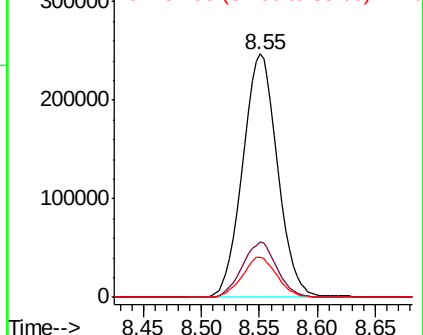
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
PB131742TB

Tot Ion:114 Resp: 517800
Ion Ratio Lower Upper
114 100
63 22.6 0.0 46.4
88 16.6 0.0 33.2

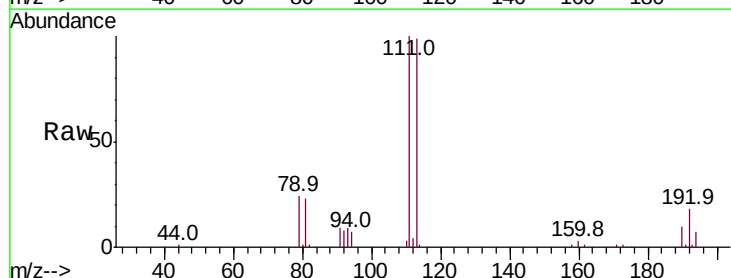


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

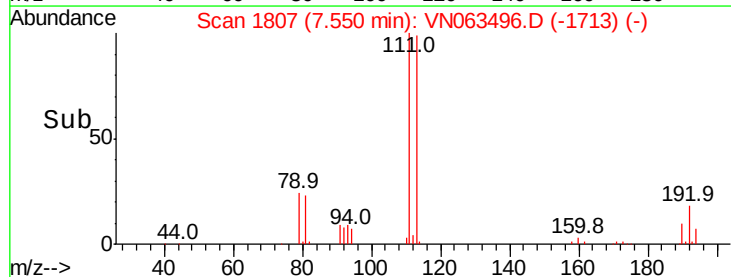
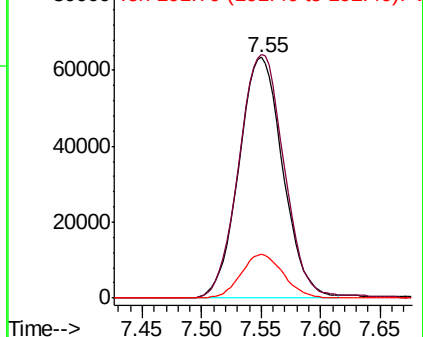


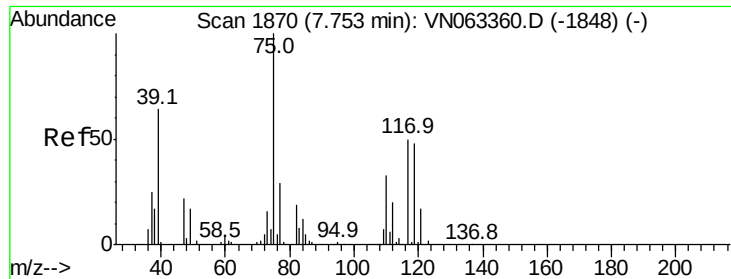
#35
Dibromofluoromethane
Concen: 45.264 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Tgt Ion:113 Resp: 162255
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 17.5 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: 4.732 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

PB131742TB

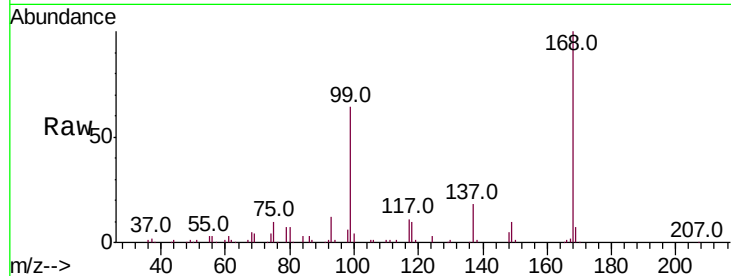
Tot Ion: 75 Resp: 26102

Ion Ratio Lower Upper

75 100

110 9.0 16.5 49.5#

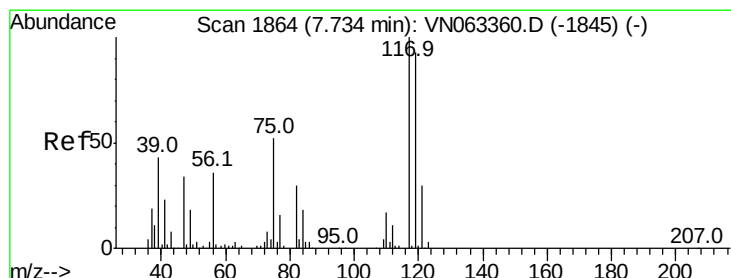
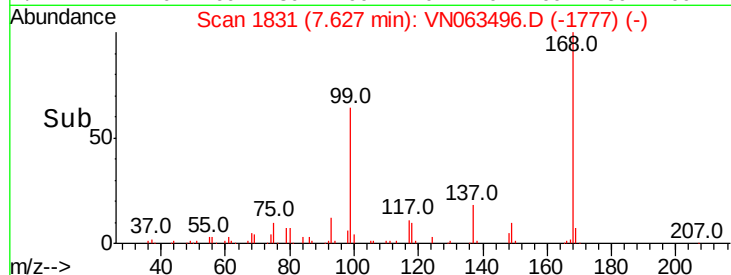
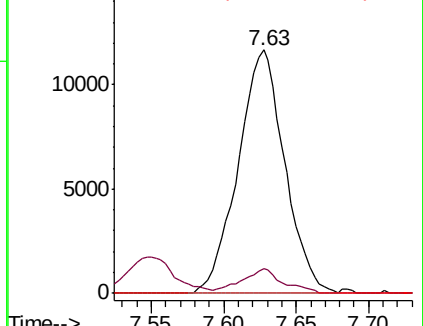
77 0.0 24.6 36.8#



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: 5.669 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

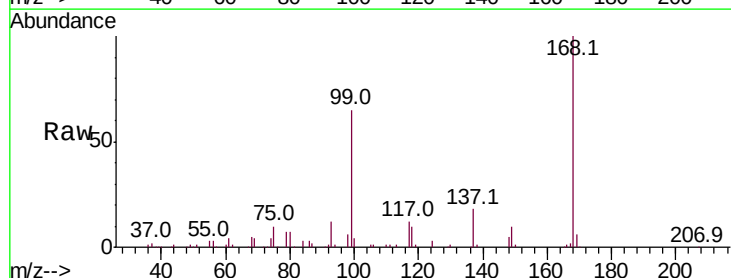
Tgt Ion: 117 Resp: 31922

Ion Ratio Lower Upper

117 100

119 6.3 74.5 111.7#

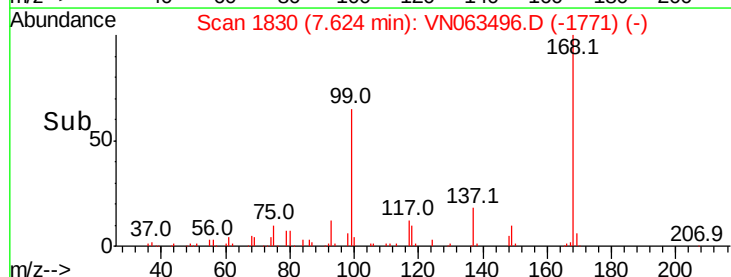
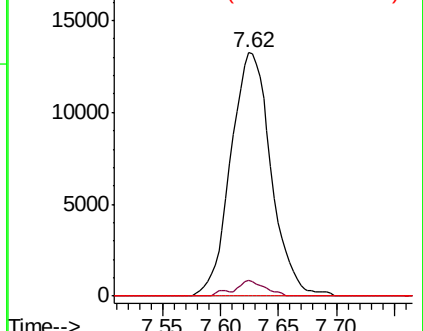
121 0.0 24.1 36.1#

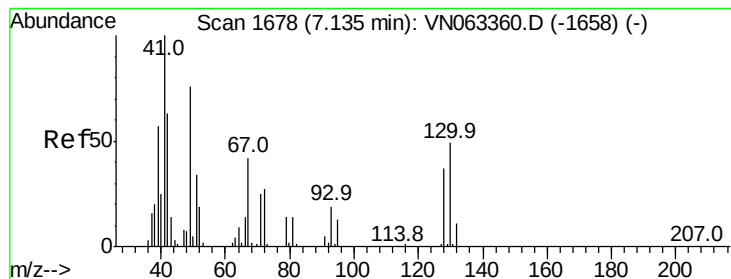


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

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: 0.221 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.03 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleID :

PB131742TB

Tot Ion: 41 Resp: 538

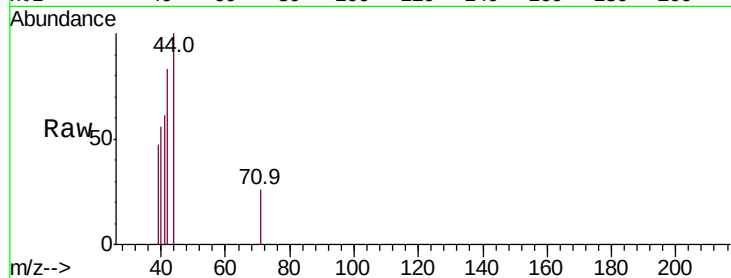
Ion Ratio Lower Upper

41 100

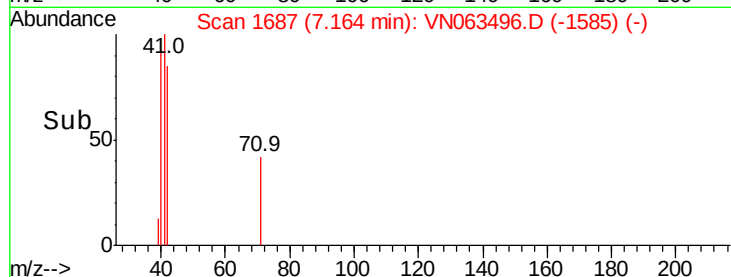
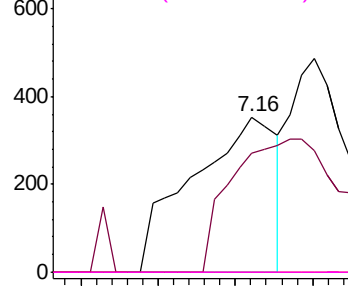
39 0.0 0.0 0.0

67 0.0 0.0 0.0

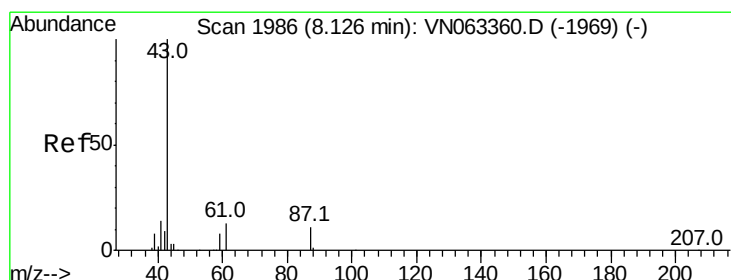
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



Time-->



#43

Isopropyl Acetate

Concen: 9.604 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

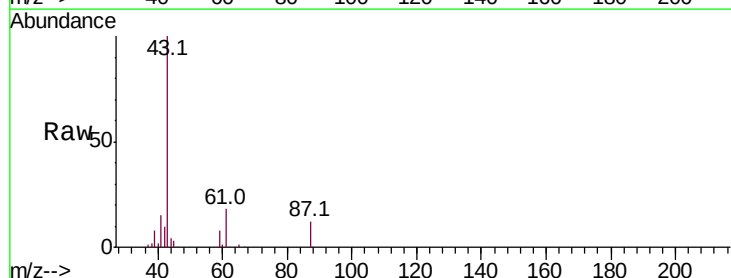
Tgt Ion: 43 Resp: 92972

Ion Ratio Lower Upper

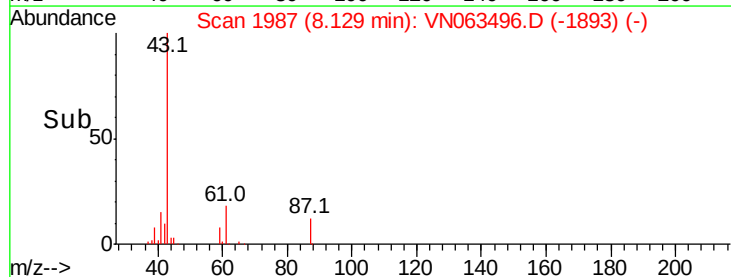
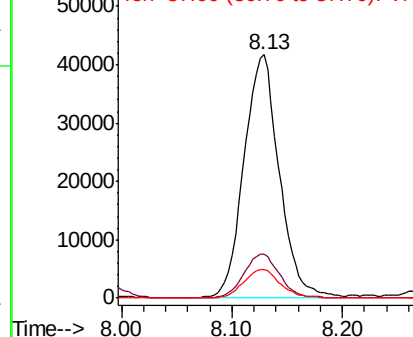
43 100

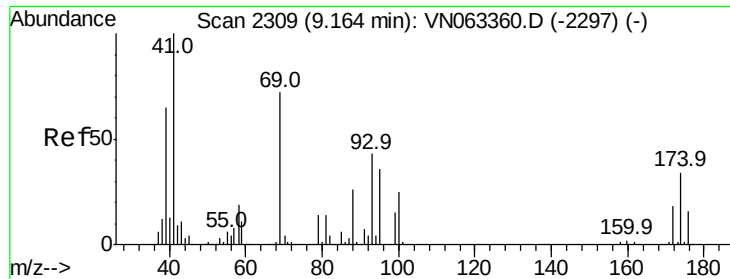
61 18.1 14.2 21.2

87 12.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

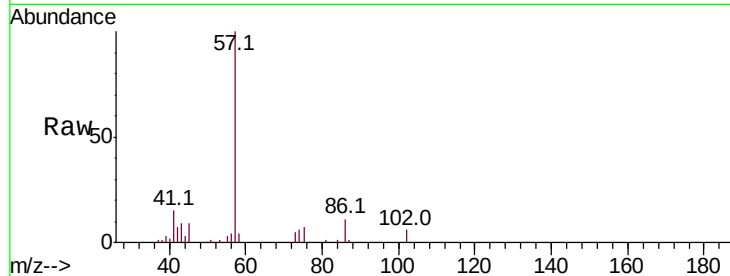




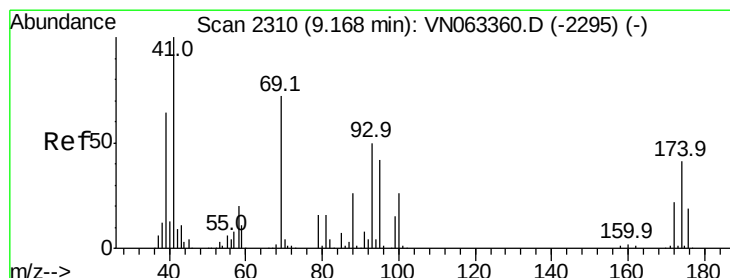
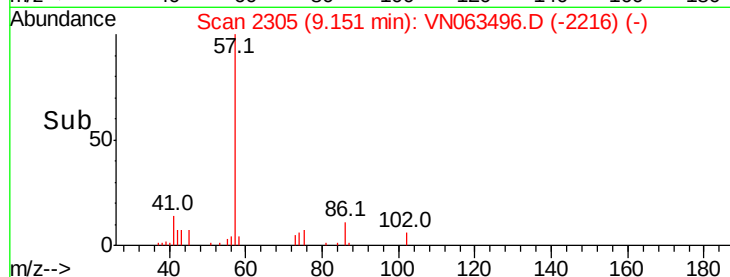
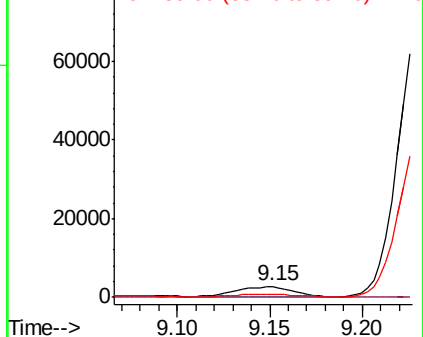
#48
Methvl methacrylate
Concen: 1.128 ug/l
RT: 9.15 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
PB131742TB

Tot Ion: 41 Resp: 5365
Ion Ratio Lower Upper
41 100
69 1.9 59.3 88.9#
39 0.0 52.9 79.3#

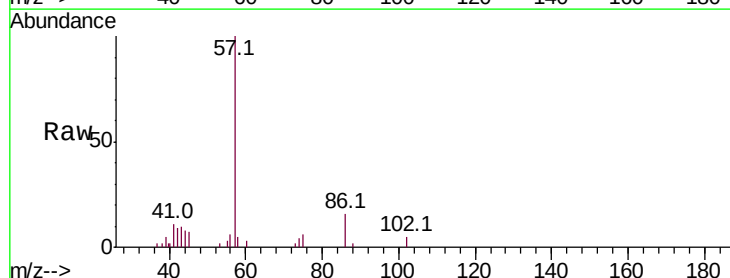


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

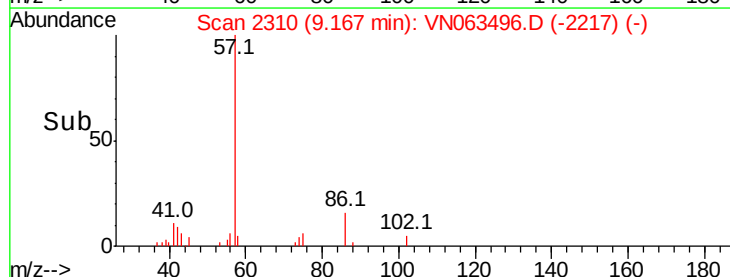
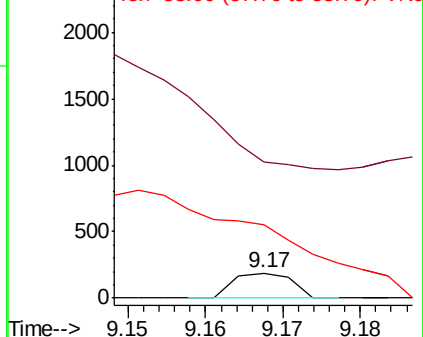


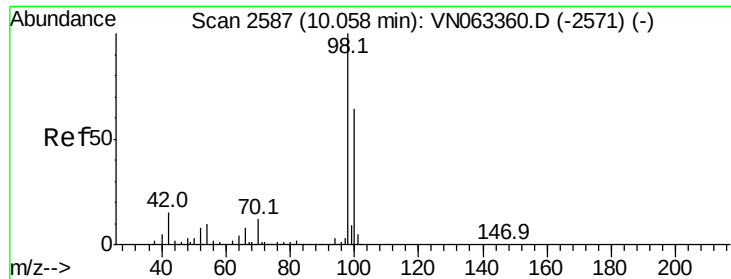
#49
1,4-Dioxane
Concen: 1.450 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 0.0 32.6 49.0#
58 1783.8 60.0 90.0#



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





#50

Toluene-d8

Concen: 49.144 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

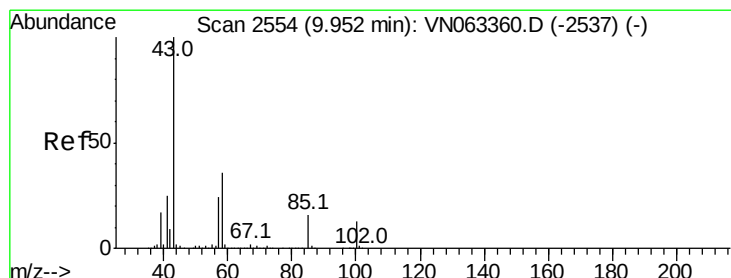
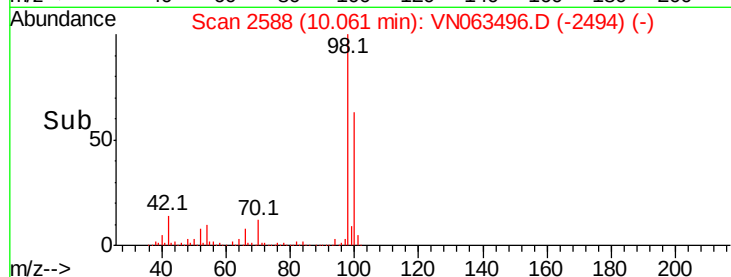
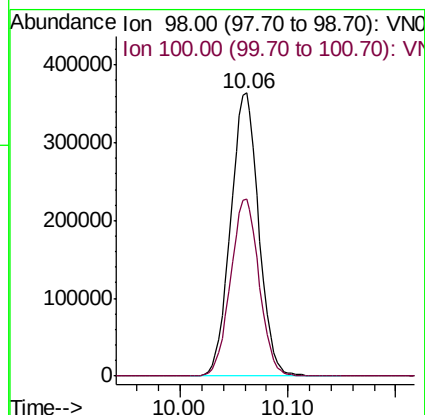
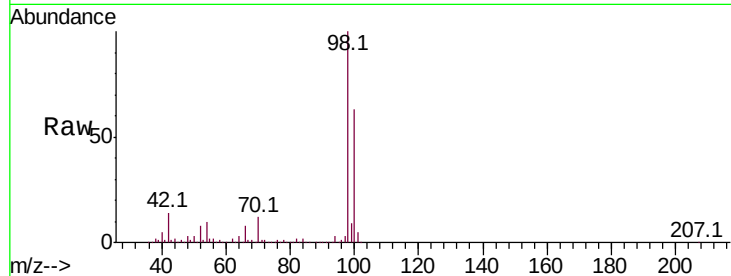
PB131742TB

Tot Ion: 98 Resp: 662408

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 2.676 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063496.D

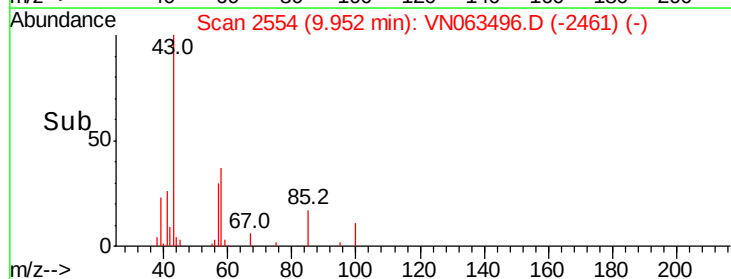
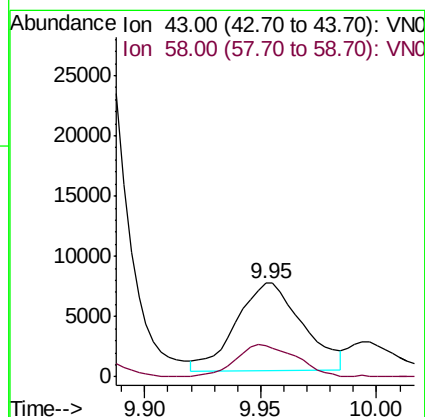
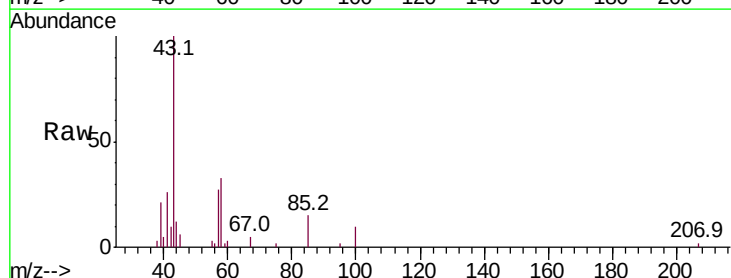
Acq: 21 Sep 2020 19:19

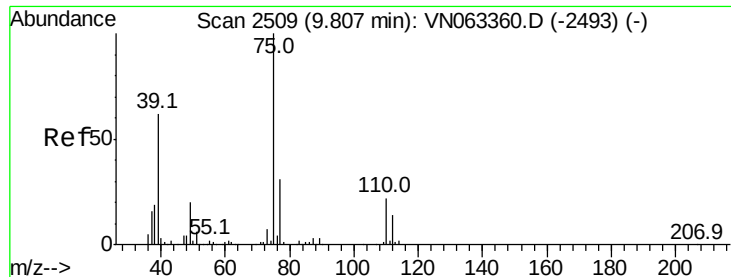
Tgt Ion: 43 Resp: 14503

Ion Ratio Lower Upper

43 100

58 33.5 29.0 43.6





#54

cis-1,3-Dichloropropene

Concen: 5.419 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

PB131742TB

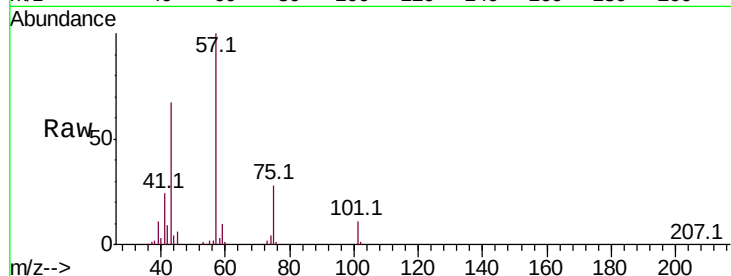
Tot Ion: 75 Resp: 37371

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

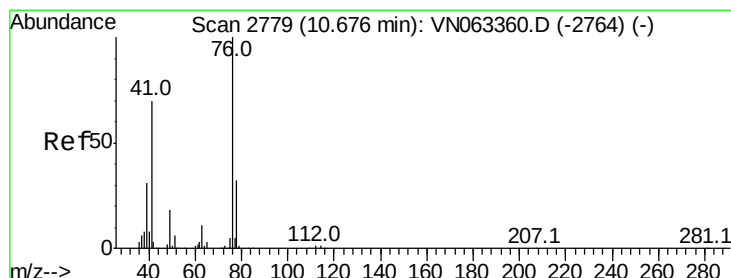
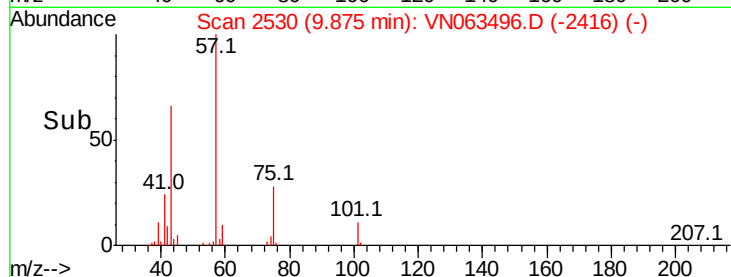
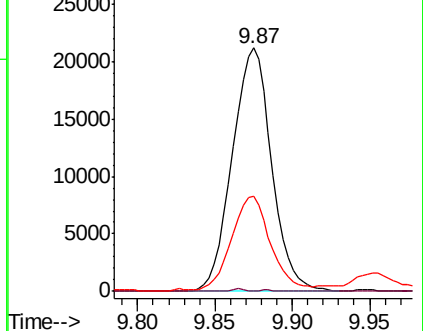
39 38.1 49.8 74.8#



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



#57

1,3-Dichloropropane

Concen: 0.917 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063496.D

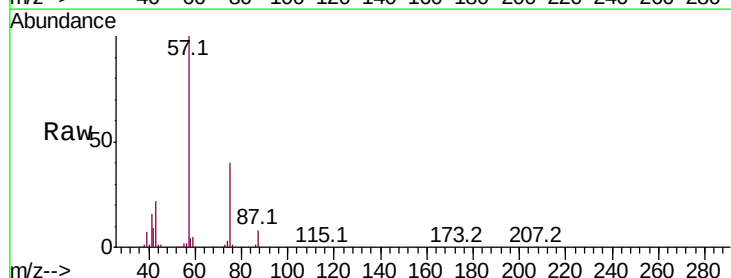
Acq: 21 Sep 2020 19:19

Tgt Ion: 76 Resp: 6219

Ion Ratio Lower Upper

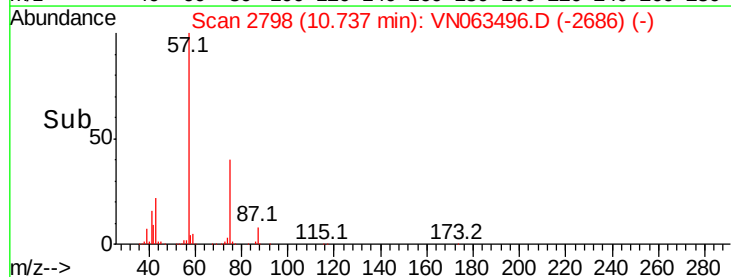
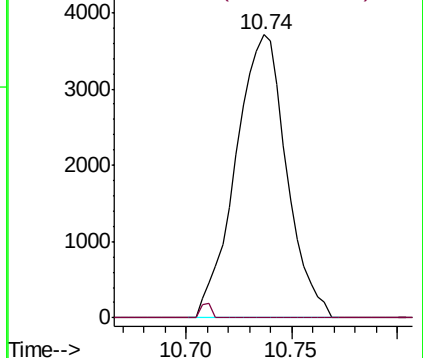
76 100

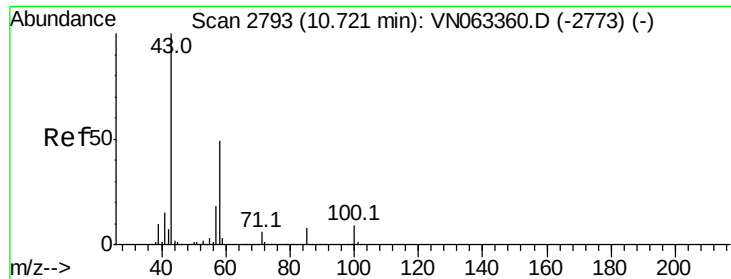
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 26.422 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

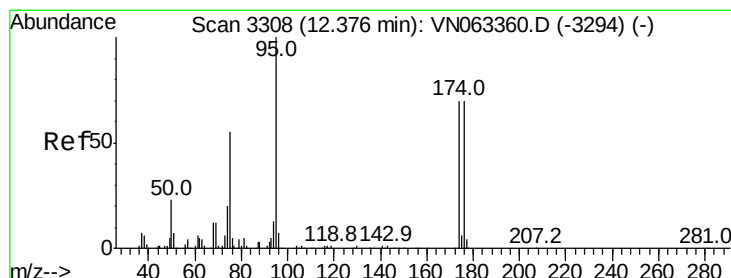
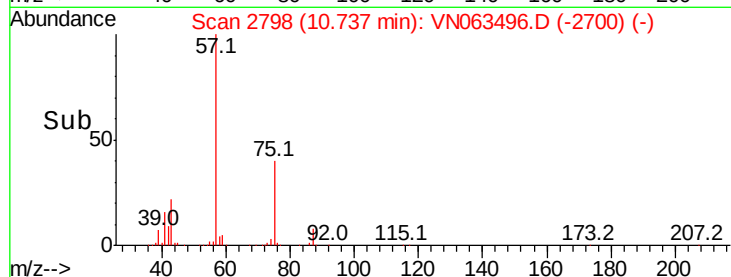
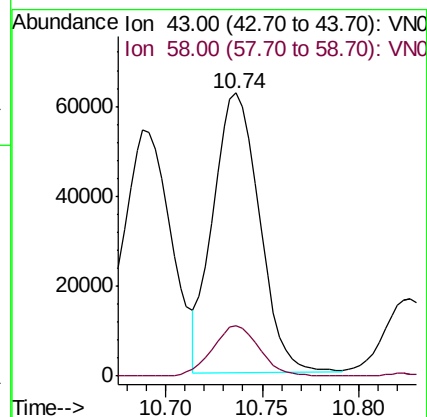
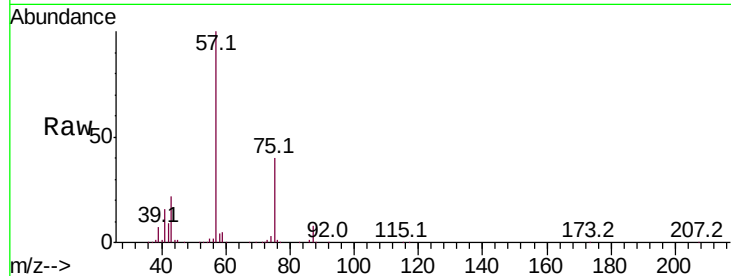
PB131742TB

Tot Ion: 43 Resp: 103746

Ion Ratio Lower Upper

43 100

58 18.3 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 54.999 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

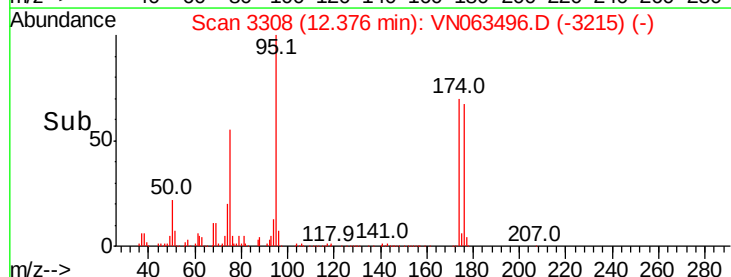
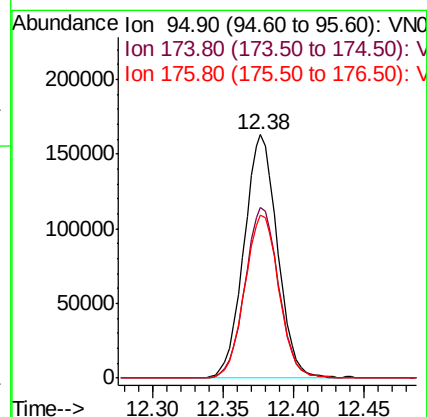
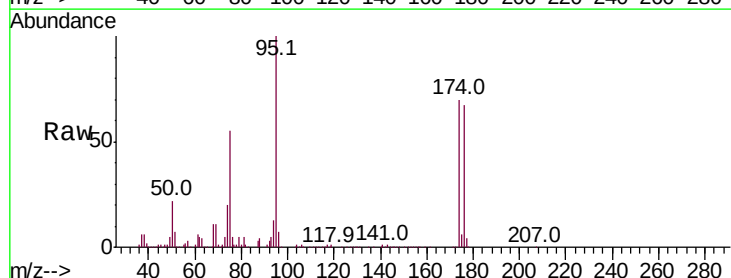
Tgt Ion: 95 Resp: 271754

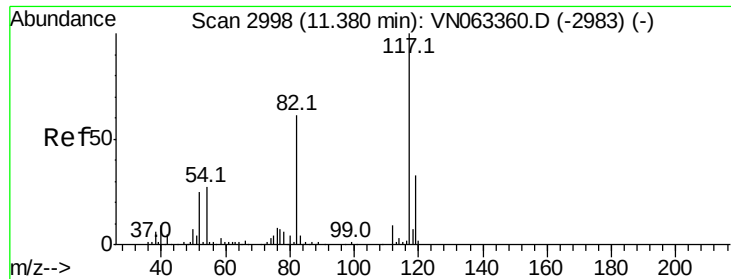
Ion Ratio Lower Upper

95 100

174 70.7 0.0 140.8

176 68.8 0.0 137.6

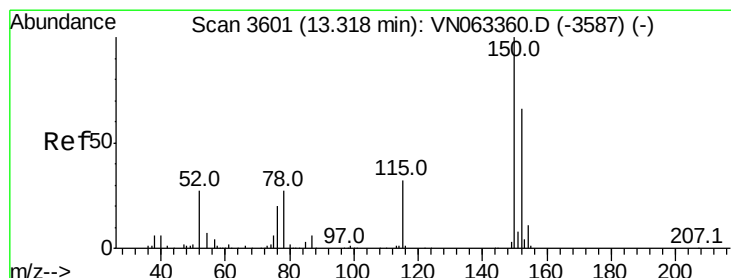
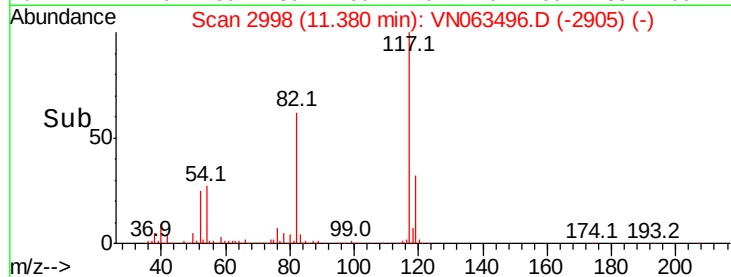
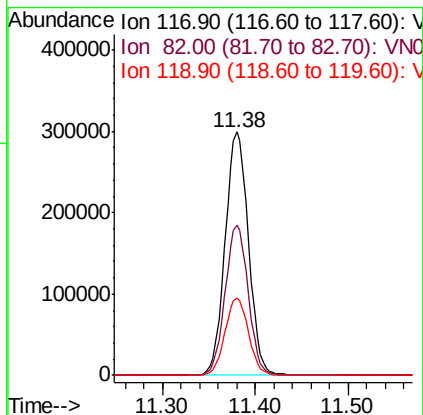
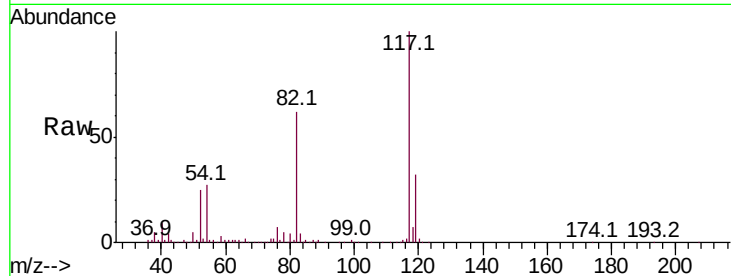




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

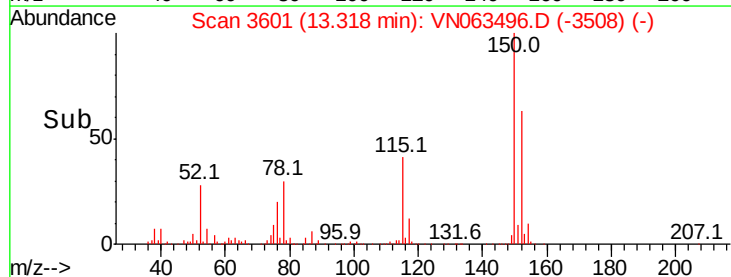
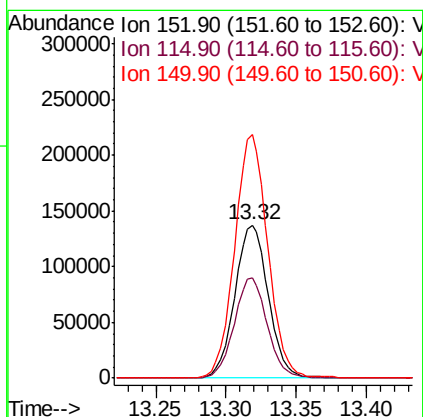
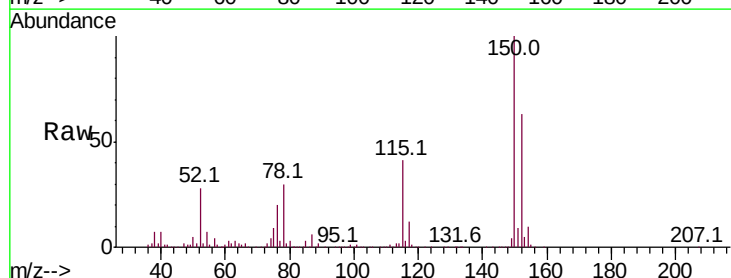
Instrument :
MSVOA_N
ClientSampleId :
PB131742TB

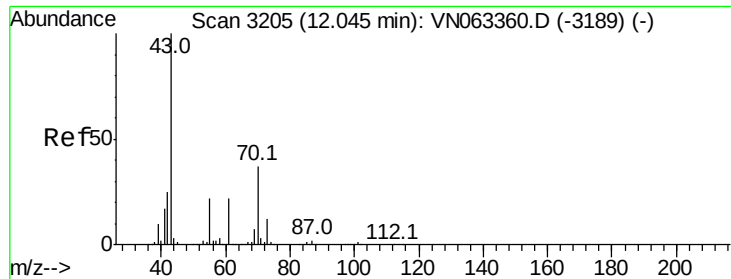
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.2	73.8
119	31.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063496.D
Acq: 21 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	32.2	96.6
150	157.3	0.0	343.4





#74

N-amvl acetate

Concen: 0.612 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

PB131742TB

Tot Ion: 43 Resp: 5308

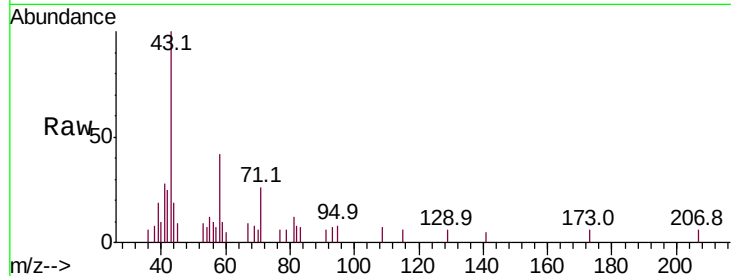
Ion Ratio Lower Upper

43 100

70 4.9 29.6 44.4#

55 10.1 17.7 26.5#

61 0.0 17.4 26.2#

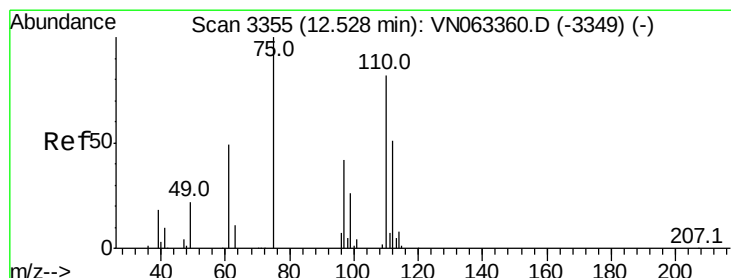
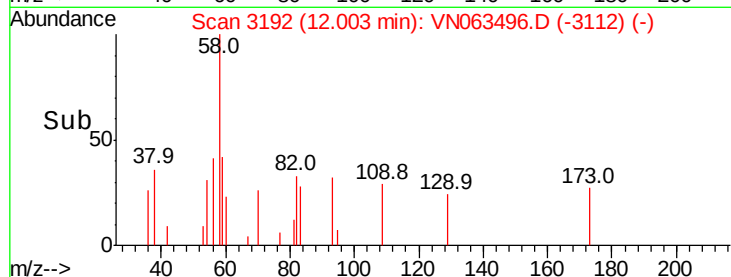
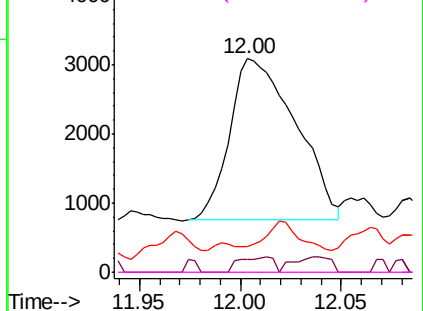


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.740 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063496.D

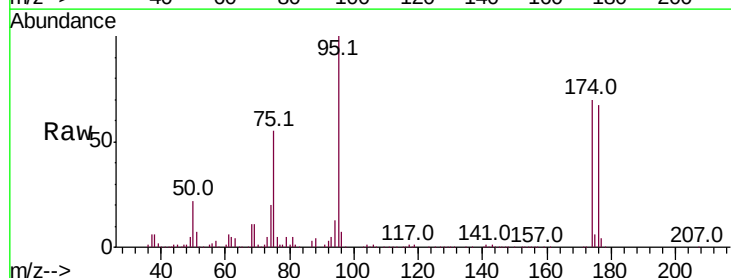
Acq: 21 Sep 2020 19:19

Tgt Ion: 75 Resp: 151394

Ion Ratio Lower Upper

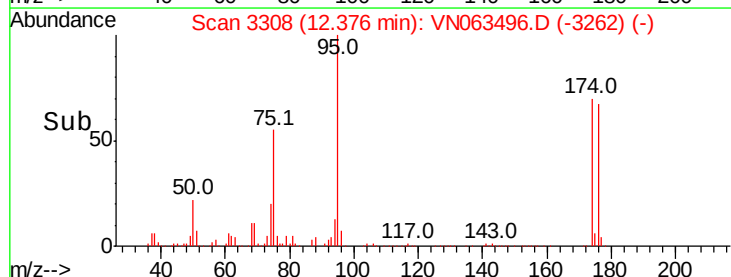
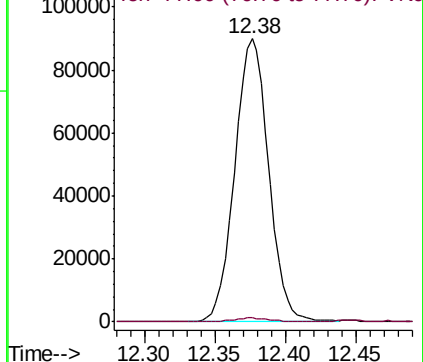
75 100

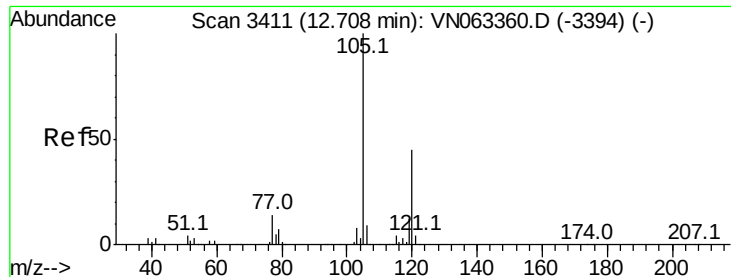
77 1.6 0.0 0.0#



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: 0.297 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

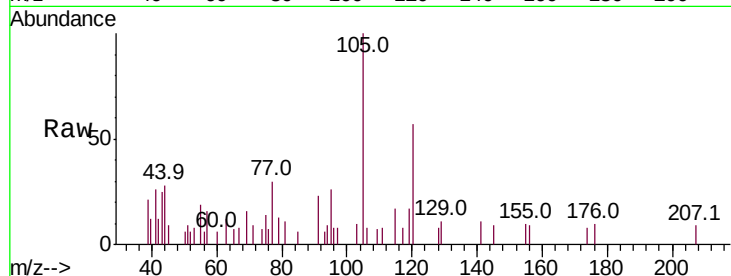
PB131742TB

Tot Ion:105 Resp: 4537

Ion Ratio Lower Upper

105 100

120 50.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000

2500

2000

1500

1000

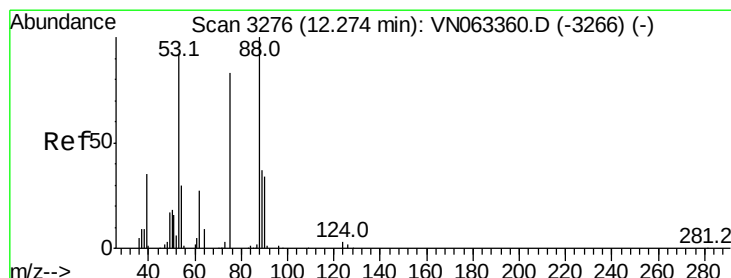
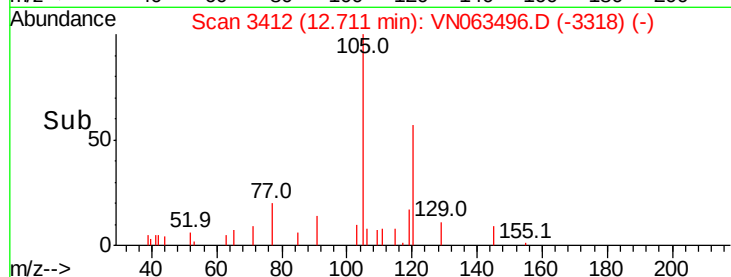
500

0

12.71

12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 73.312 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063496.D

Acq: 21 Sep 2020 19:19

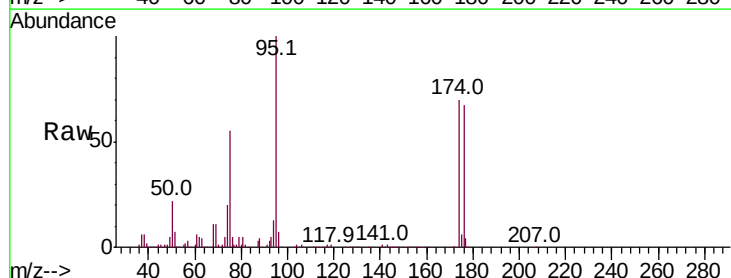
Tgt Ion: 75 Resp: 151394

Ion Ratio Lower Upper

75 100

53 0.1 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

120000

100000

80000

60000

40000

20000

0

12.38

12.45

Time-->

