

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063877.D
 Acq On : 5 Oct 2020 17:44
 Operator : JC/MD
 Sample : PB132063ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#09

Quant Time: Oct 06 01:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	231618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	441051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180431	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	202915	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
35) Dibromofluoromethane	7.55	113	143440	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	10.06	98	556766	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.38	95	217887	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

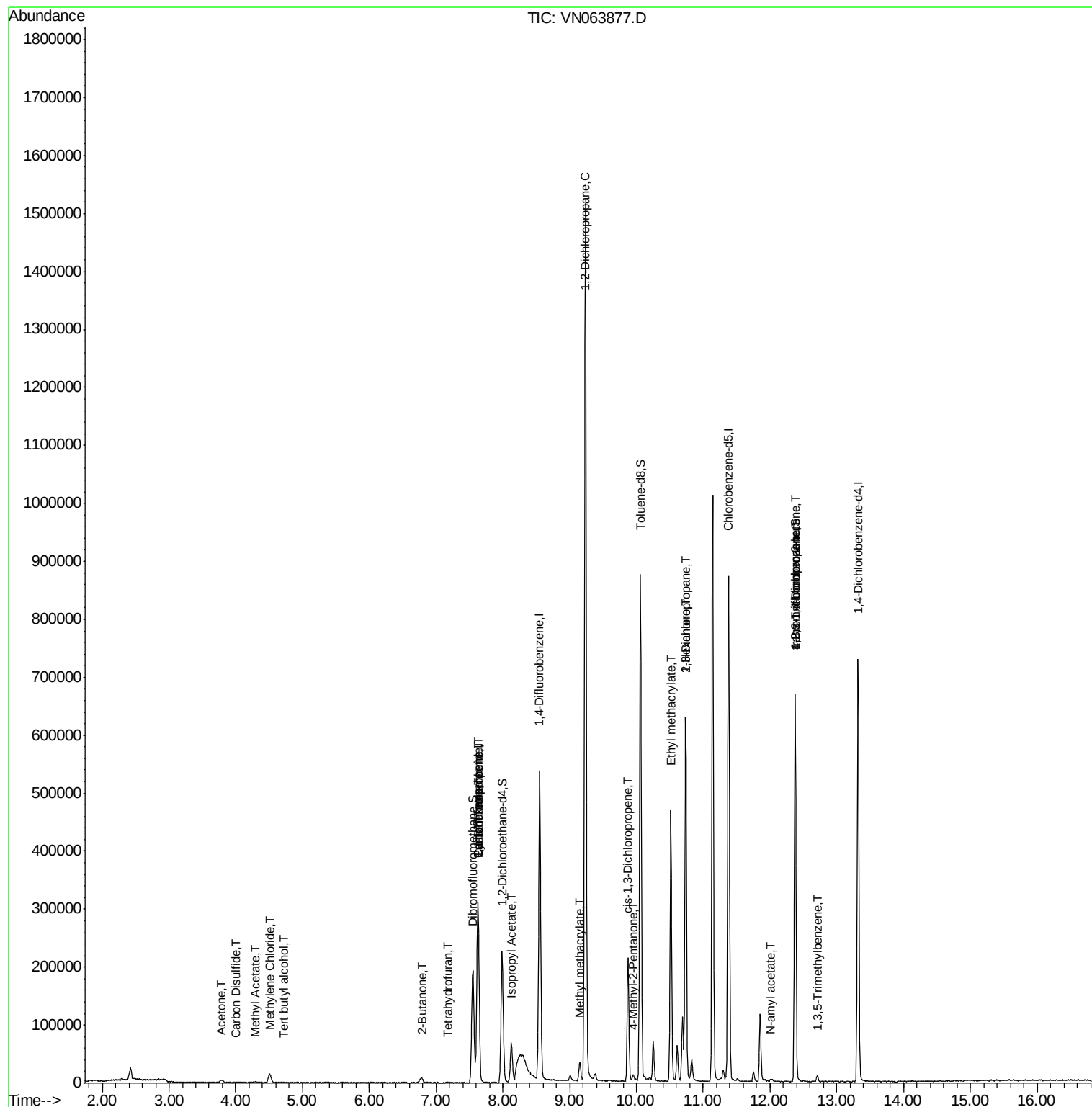
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	335	0.793	ug/l #	71
16) Acetone	3.78	43	10717	9.098	ug/l #	82
17) Carbon Disulfide	4.00	76	159	0.725	ug/l #	76
18) Methyl Acetate	4.28	43	2112	0.691	ug/l #	81
20) Methylene Chloride	4.51	84	10709	4.059	ug/l	97
25) 2-Butanone	6.80	43	2227	1.334	ug/l #	75
29) Tetrahydrofuran	7.17	42	687	0.613	ug/l #	62
31) Cyclohexane	7.63	56	6618	1.490	ug/l #	45
36) 1,1-Dichloropropene	7.63	75	21856	4.891	ug/l #	48
38) Carbon Tetrachloride	7.63	117	25236	5.037	ug/l #	14
43) Isopropyl Acetate	8.13	43	82974	11.332	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1687	0.489	ug/l #	44
48) Methyl methacrylate	9.15	41	5383	1.488	ug/l #	12
51) 4-Methyl-2-Pentanone	9.96	43	8760	2.039	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	34050	6.198	ug/l #	68
56) Ethyl methacrylate	10.51	69	2162	0.482	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5677	1.060	ug/l #	43
59) 2-Hexanone	10.74	43	99592	31.199	ug/l #	54
74) N-amyl acetate	12.01	43	3086	2.698	ug/l #	51
76) 1,2,3-Trichloropropane	12.38	75	123963	31.167	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6547	0.593	ug/l	82
81) trans-1,4-Dichloro-2-buten	12.38	75	123963	89.765	ug/l #	6

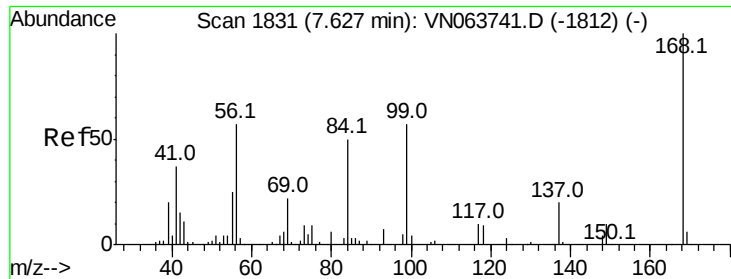
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100520\
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Quant Time: Oct 06 01:39:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

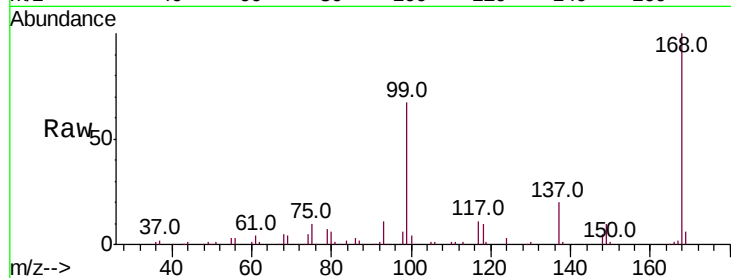
PB132063ZHE#09

Tot Ion:168 Resp: 231618

Ion Ratio Lower Upper

168 100

99 67.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

100000

80000

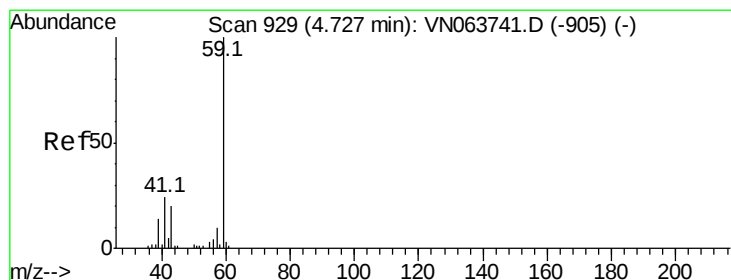
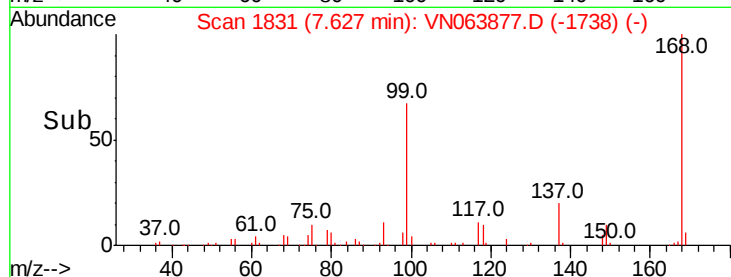
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.793 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN063877.D

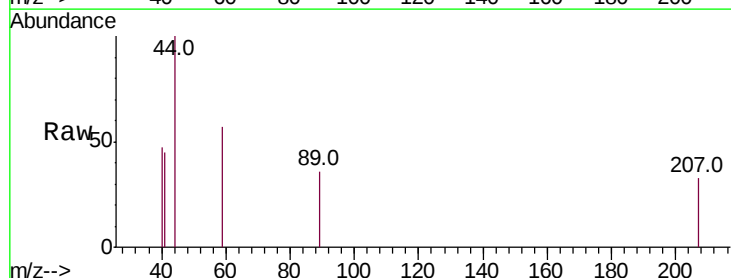
Acq: 5 Oct 2020 17:44

Tgt Ion: 59 Resp: 335

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN063741.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN063741.D (-905) (-)

4.72

300

250

200

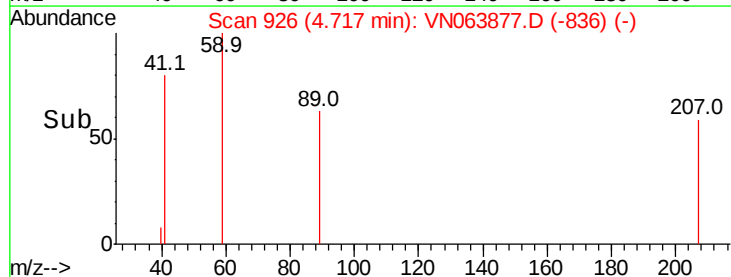
150

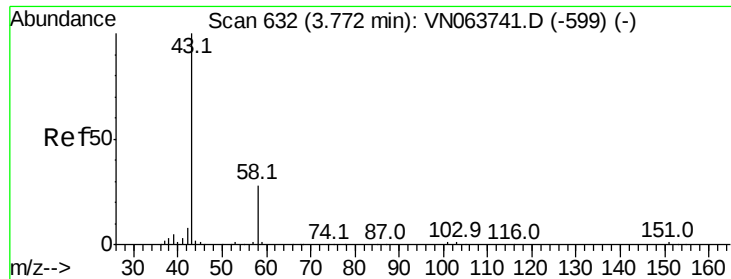
100

50

0

Time-->





#16

Acetone

Concen: 9.098 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

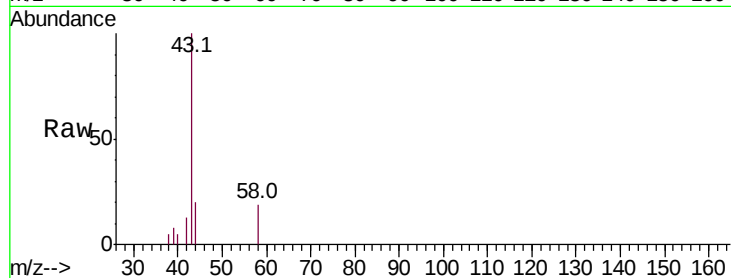
PB132063ZHE#09

Tot Ion: 43 Resp: 10717

Ion Ratio Lower Upper

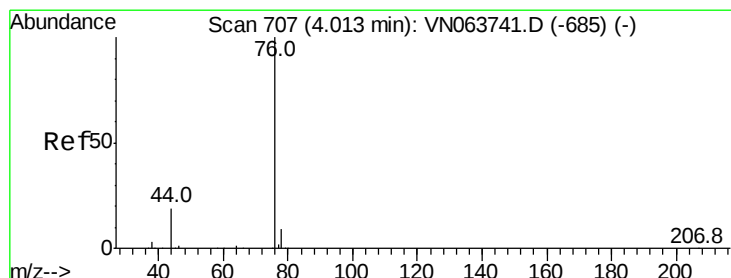
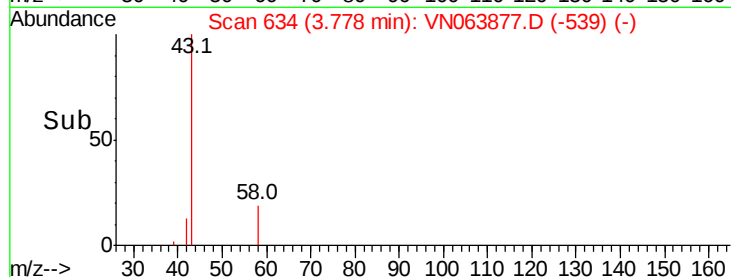
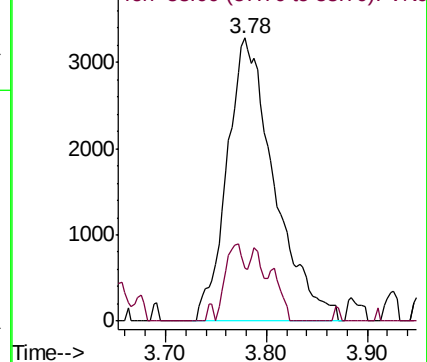
43 100

58 18.7 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#17

Carbon Disulfide

Concen: 0.725 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063877.D

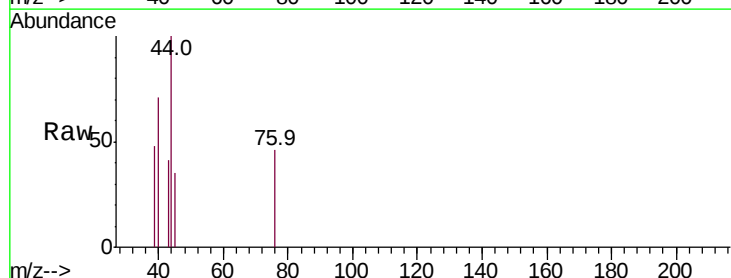
Acq: 5 Oct 2020 17:44

Tgt Ion: 76 Resp: 159

Ion Ratio Lower Upper

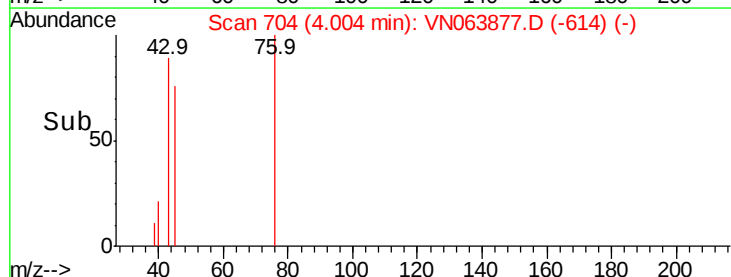
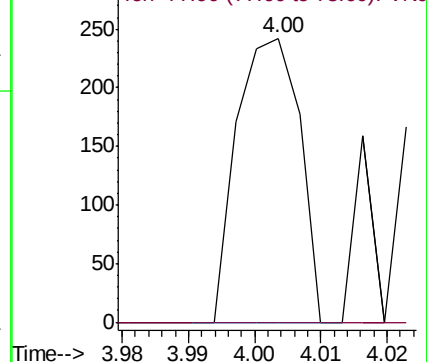
76 100

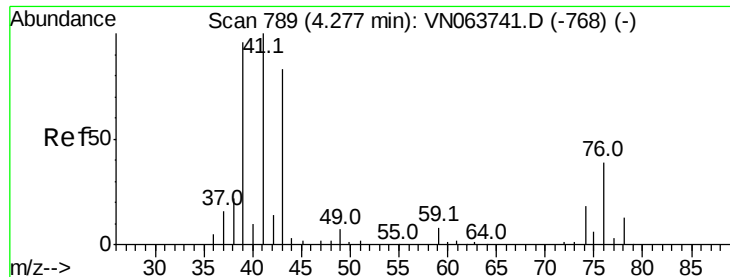
78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

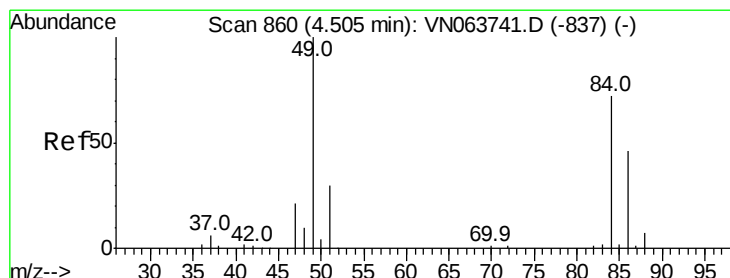
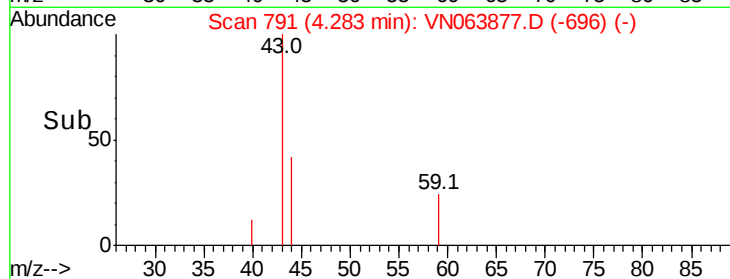
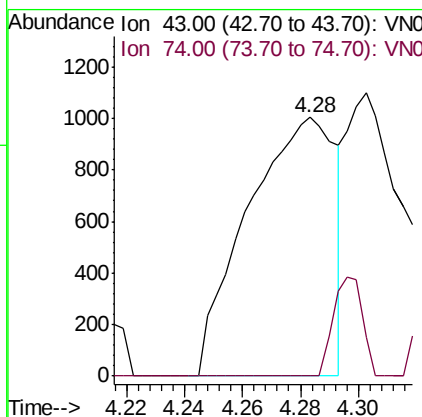
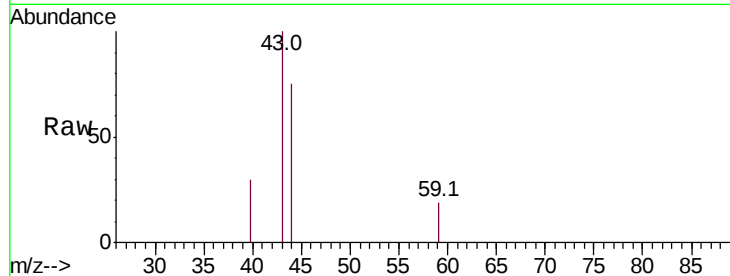




#18
Methyl Acetate
Concen: 0.691 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063877.D
Acq: 5 Oct 2020 17:44

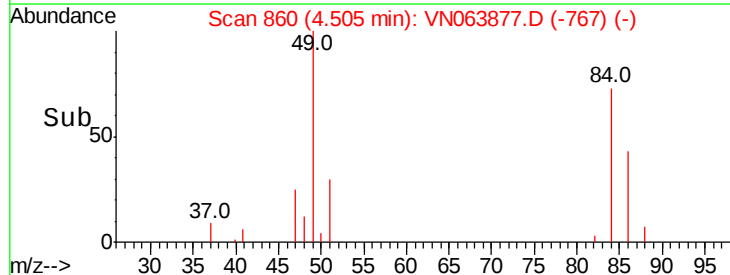
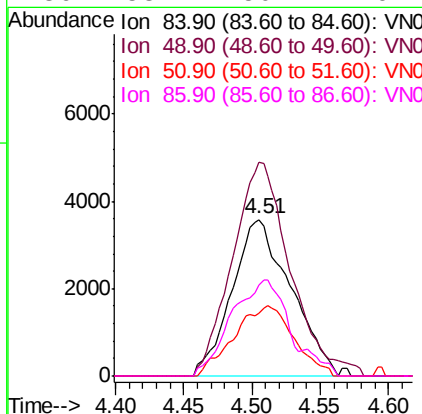
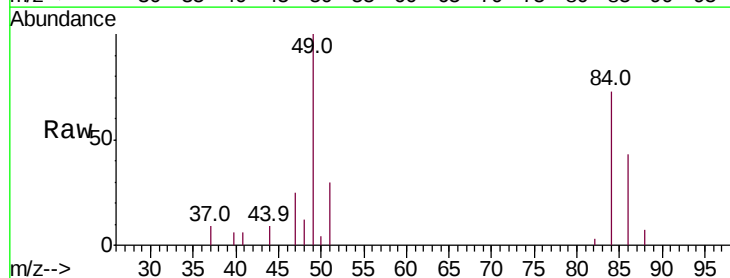
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#09

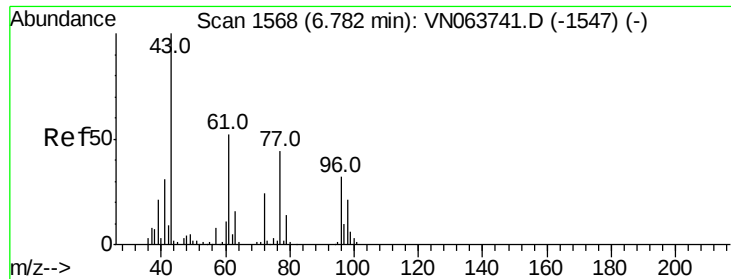
Tot Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
74 12.8 17.4 26.2#



#20
Methylene Chloride
Concen: 4.059 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063877.D
Acq: 5 Oct 2020 17:44

Tgt Ion: 84 Resp: 10709
Ion Ratio Lower Upper
84 100
49 136.6 110.4 165.6
51 40.3 33.3 49.9
86 58.2 50.7 76.1





#25

2-Butanone

Concen: 1.334 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

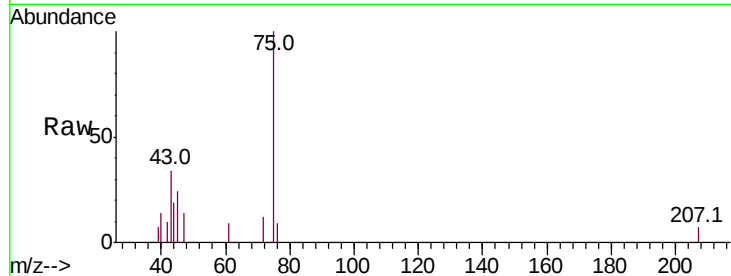
PB132063ZHE#09

Tot Ion: 43 Resp: 2227

Ion Ratio Lower Upper

43 100

72 36.3 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

800

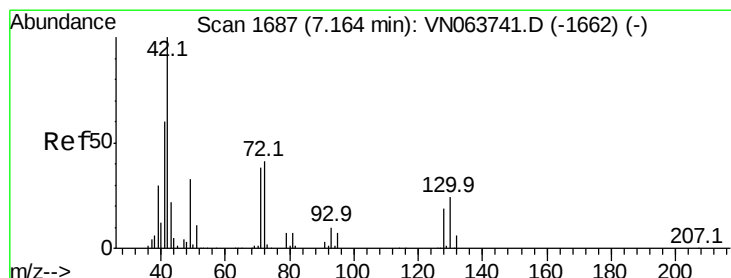
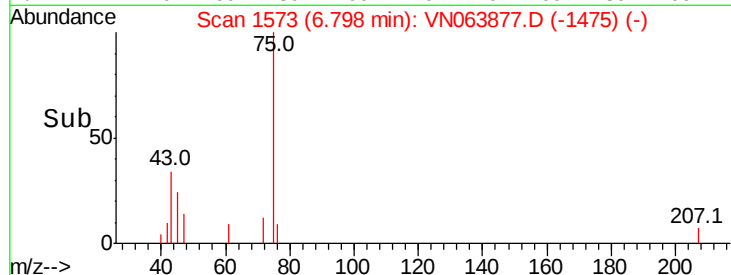
600

400

200

0

Time--> 6.70 6.75 6.80



#29

Tetrahydrofuran

Concen: 0.613 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

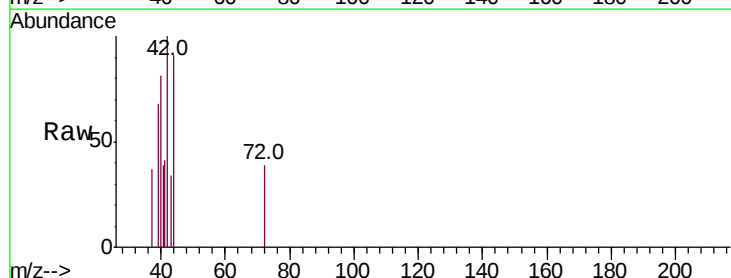
Tgt Ion: 42 Resp: 687

Ion Ratio Lower Upper

42 100

72 31.6 32.8 49.2#

71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

800

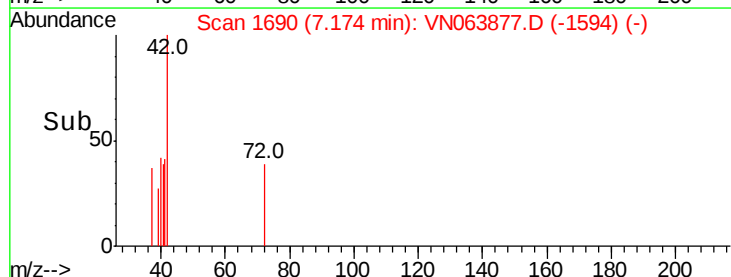
600

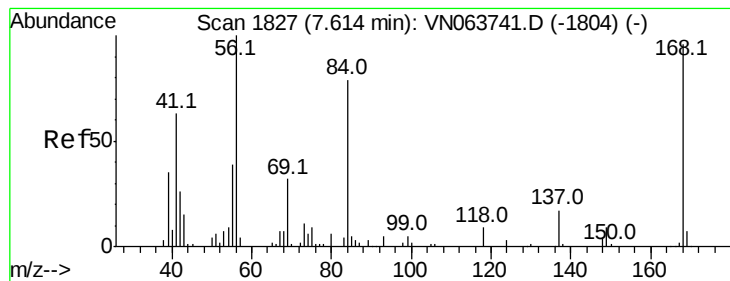
400

200

0

Time--> 7.14 7.16 7.18





#31

Cyclohexane

Concen: 1.490 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#09

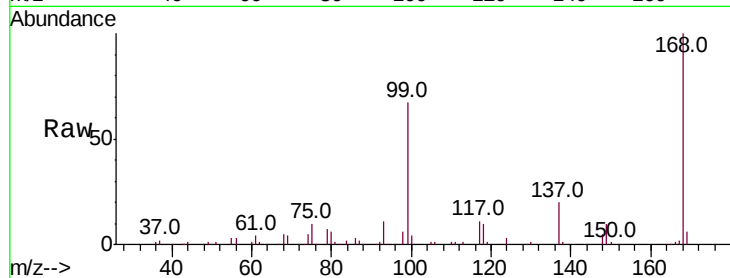
Tot Ion: 56 Resp: 6618

Ion Ratio Lower Upper

56 100

69 137.0 25.4 38.2#

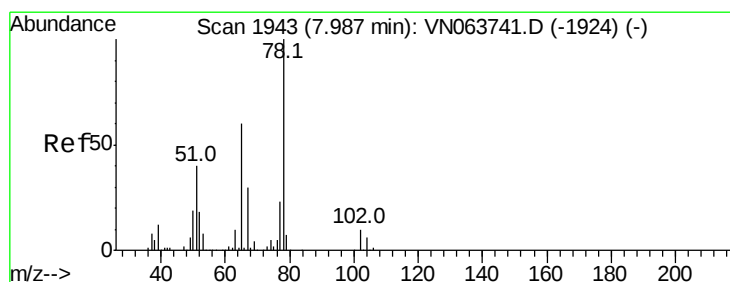
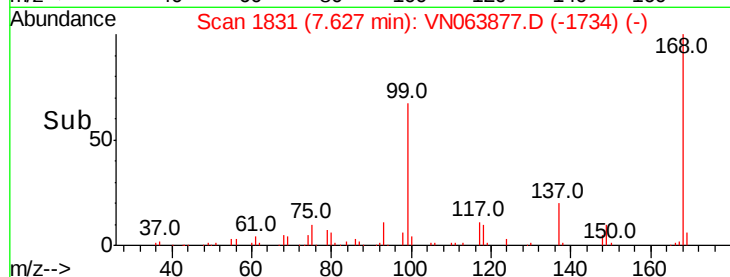
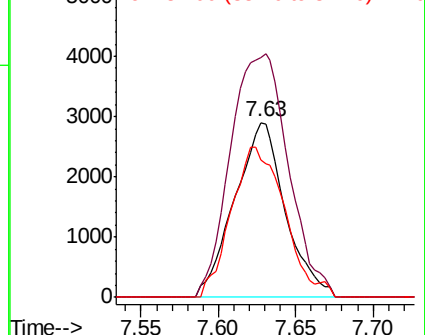
84 78.2 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.029 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063877.D

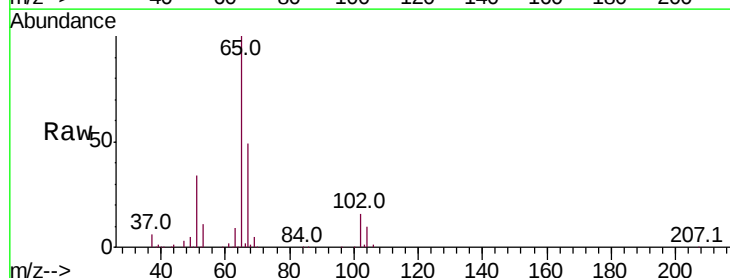
Acq: 5 Oct 2020 17:44

Tgt Ion: 65 Resp: 202915

Ion Ratio Lower Upper

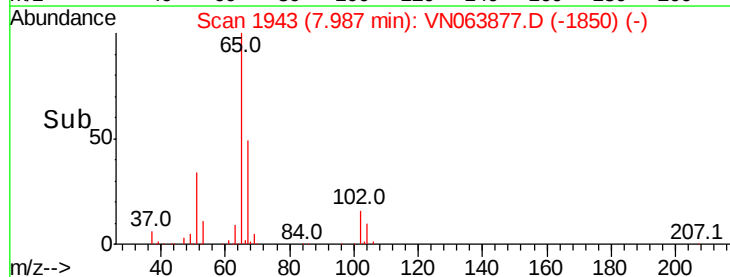
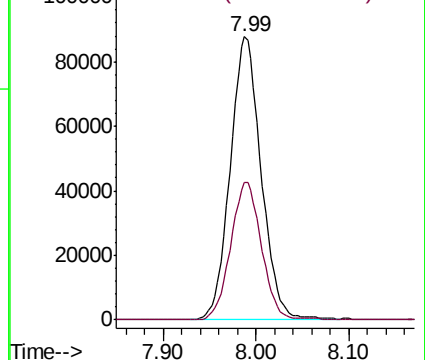
65 100

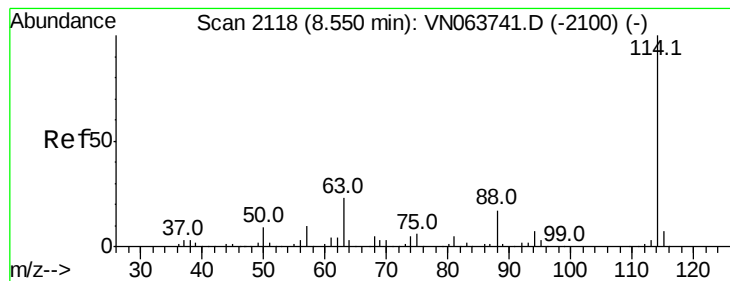
67 48.0 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

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PB132063ZHE#09

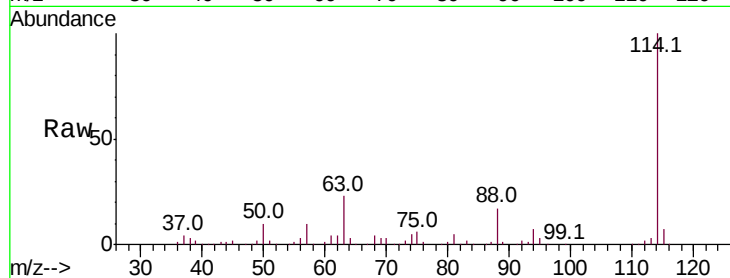
Tot Ion:114 Resp: 441051

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

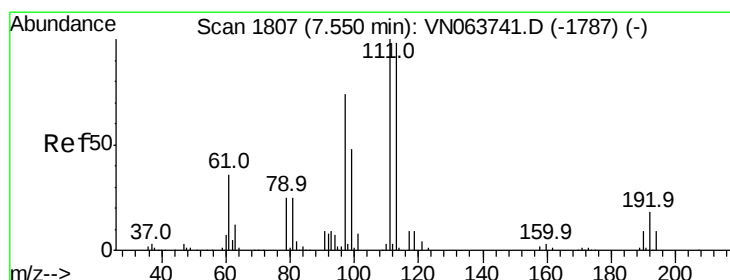
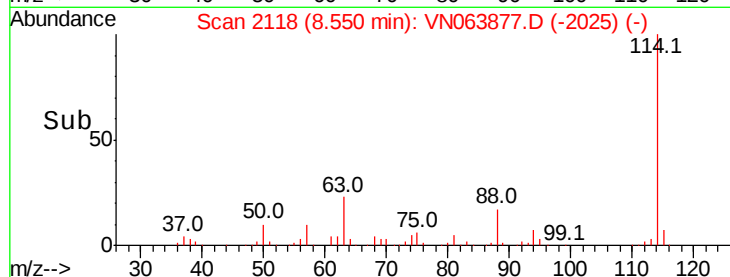
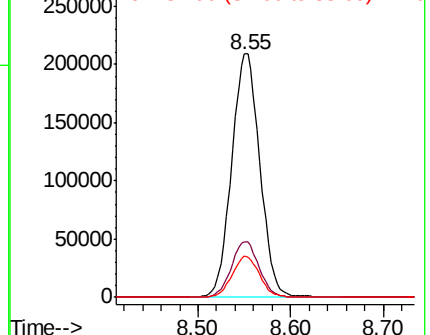
88 16.9 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.870 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

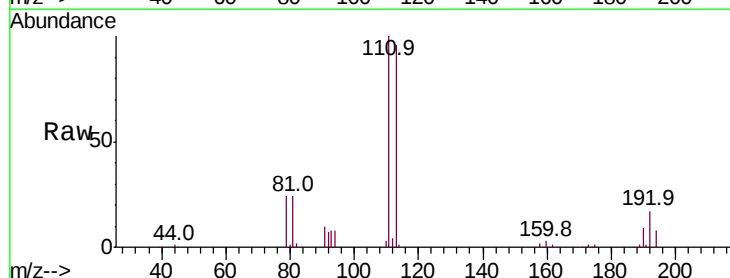
Tgt Ion:113 Resp: 143440

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

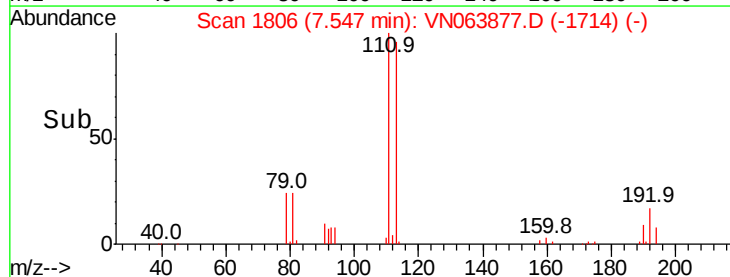
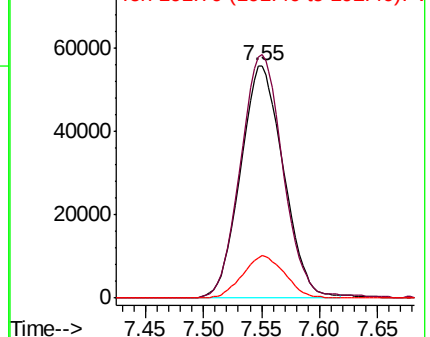
192 18.0 14.2 21.2

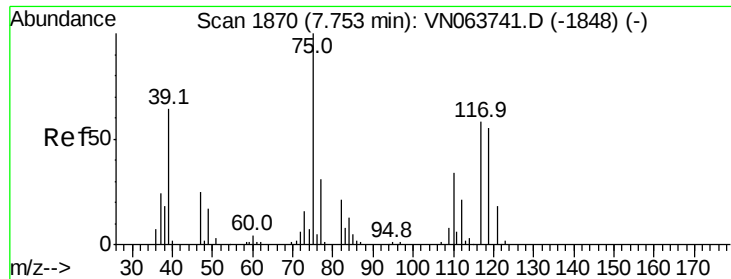


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

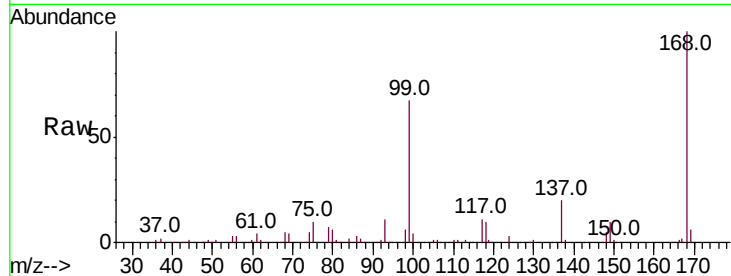




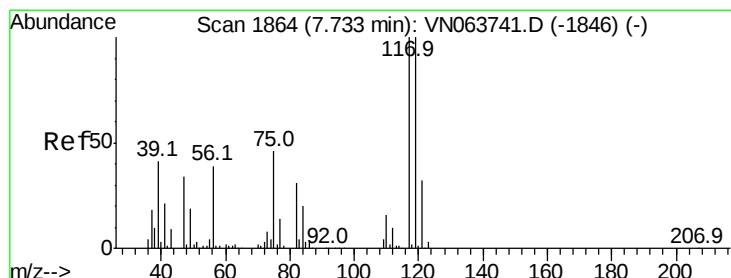
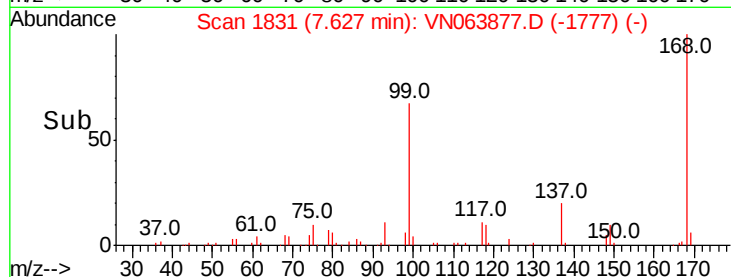
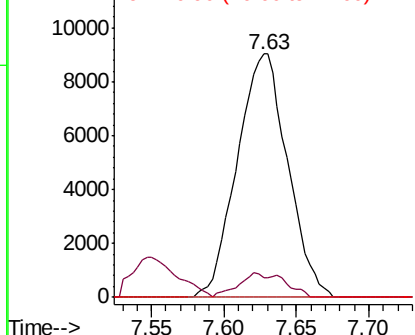
#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063877.D
 Acq: 5 Oct 2020 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#09

Tot Ion: 75 Resp: 21856
 Ion Ratio Lower Upper
 75 100
 110 5.6 16.9 50.6#
 77 0.0 24.5 36.7#

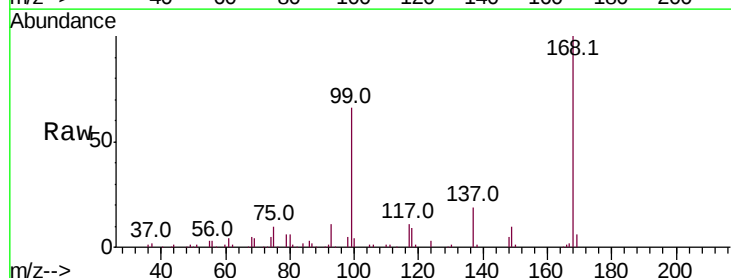


Abundance Ion 74.90 (74.60 to 75.60): VN063877.D (-1777) (-)
 Ion 109.90 (109.60 to 110.60): VN063877.D (-1777) (-)
 Ion 76.90 (76.60 to 77.60): VN063877.D (-1777) (-)

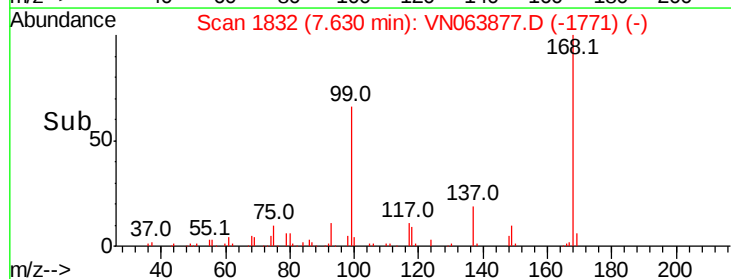
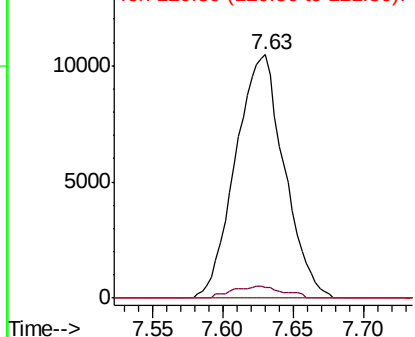


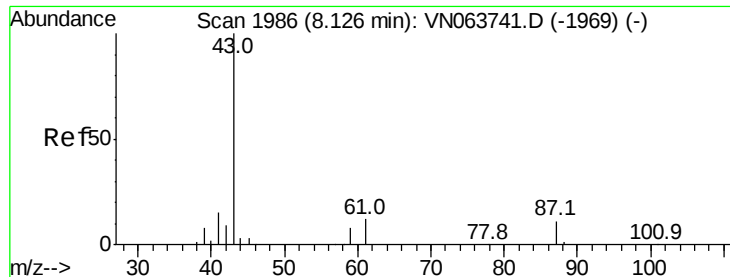
#38
 Carbon Tetrachloride
 Concen: 5.037 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN063877.D
 Acq: 5 Oct 2020 17:44

Tgt Ion: 117 Resp: 25236
 Ion Ratio Lower Upper
 117 100
 119 4.5 80.1 120.1#
 121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): VN063877.D (-1771) (-)
 Ion 118.80 (118.50 to 119.50): VN063877.D (-1771) (-)
 Ion 120.80 (120.50 to 121.50): VN063877.D (-1771) (-)





#43

Isopropyl Acetate

Concen: 11.332 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#09

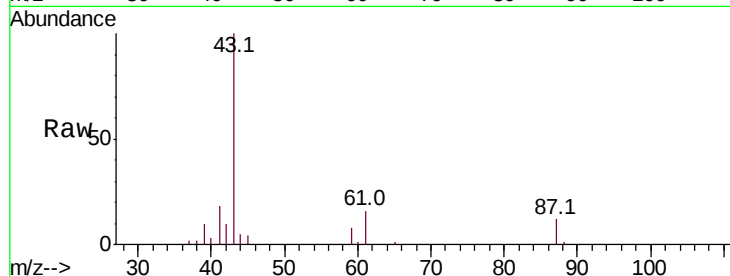
Tot Ion: 43 Resp: 82974

Ion Ratio Lower Upper

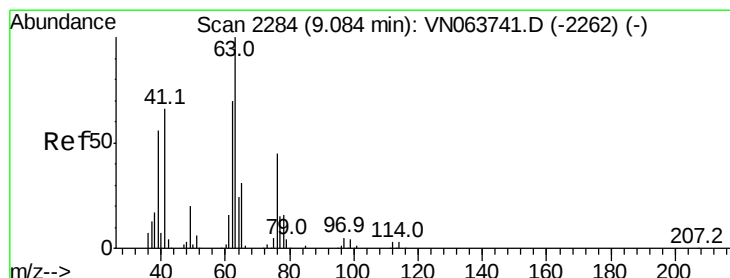
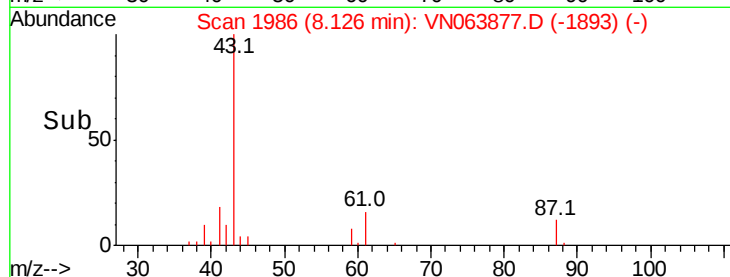
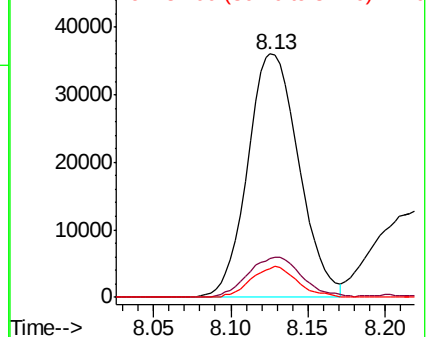
43 100

61 17.4 14.2 21.4

87 11.4 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



#45

1,2-Dichloropropane

Concen: 0.489 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN063877.D

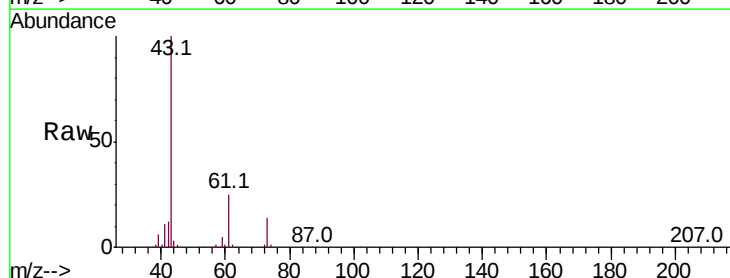
Acq: 5 Oct 2020 17:44

Tgt Ion: 63 Resp: 1687

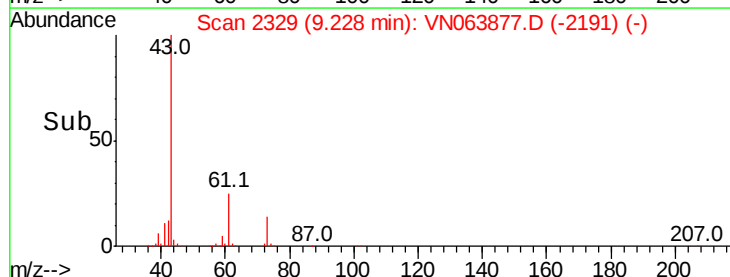
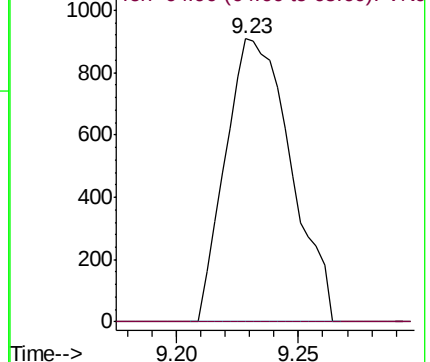
Ion Ratio Lower Upper

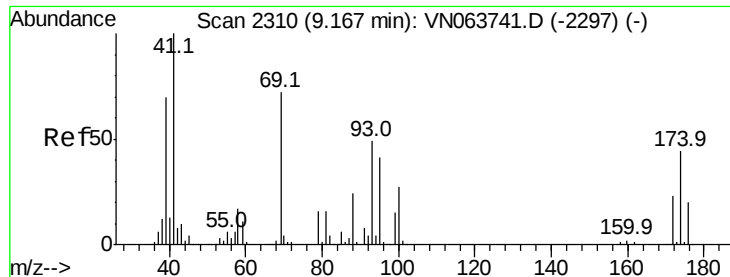
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

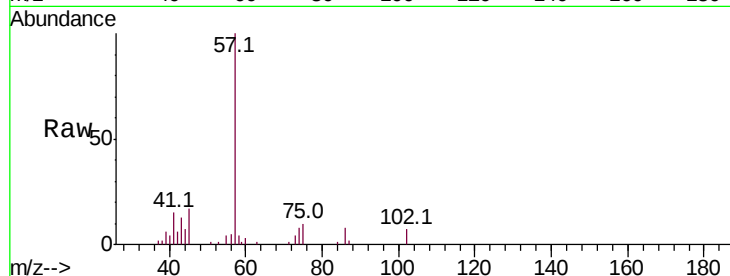




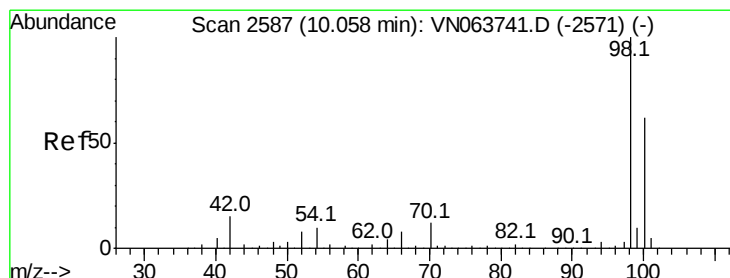
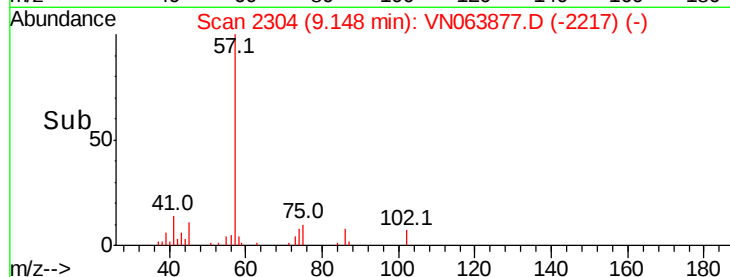
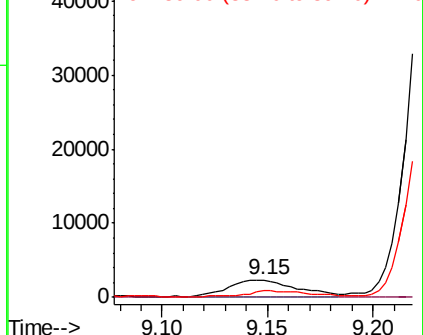
#48
Methvl methacrylate
Concen: 1.488 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063877.D
Acq: 5 Oct 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#09

Tot Ion: 41 Resp: 5383
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 57.5 86.3#

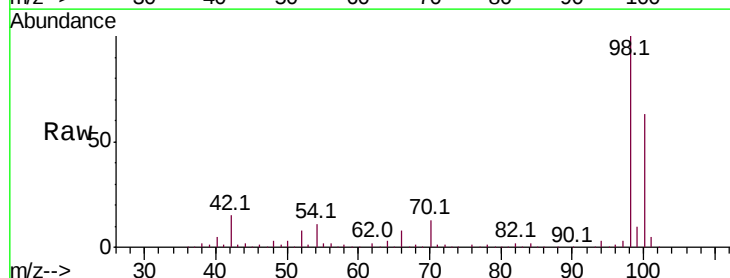


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

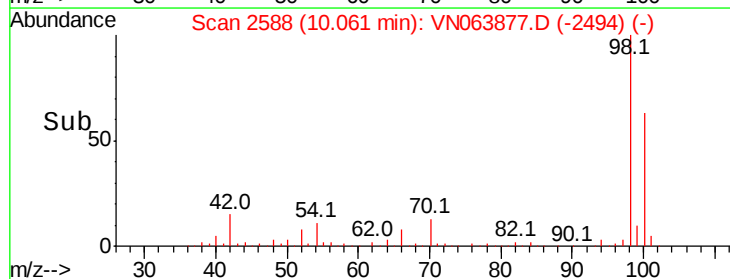
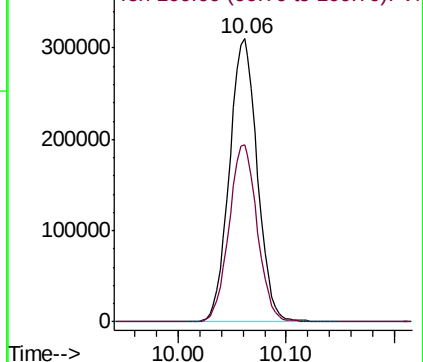


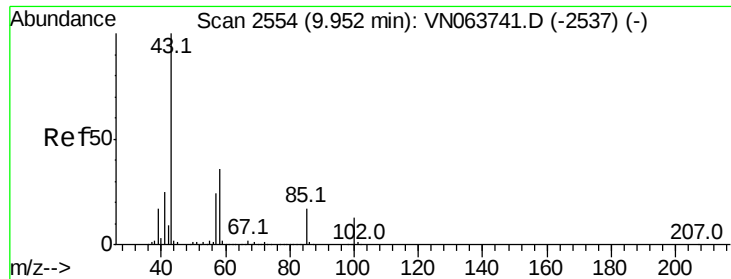
#50
Toluene-d8
Concen: 47.991 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063877.D
Acq: 5 Oct 2020 17:44

Tgt Ion: 98 Resp: 556766
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO

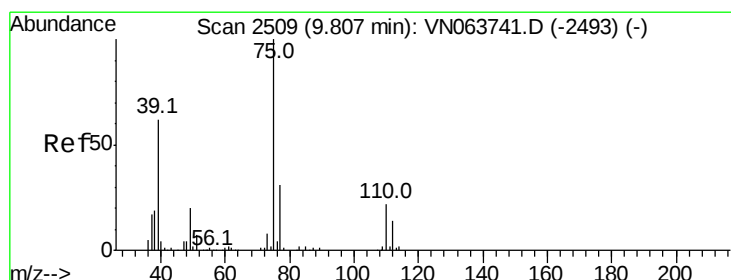
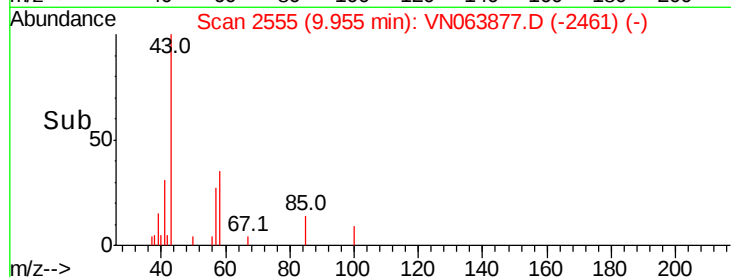
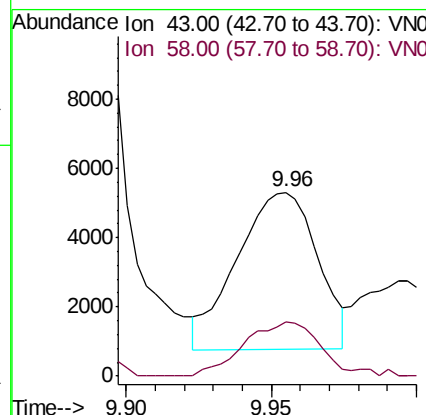
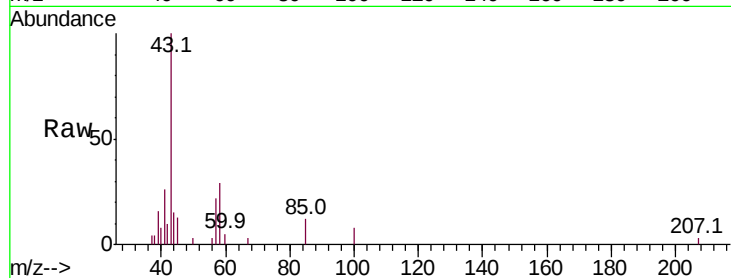




#51
 4-Methyl-2-Pentanone
 Concen: 2.039 ug/l
 RT: 9.96 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN063877.D
 Acq: 5 Oct 2020 17:44

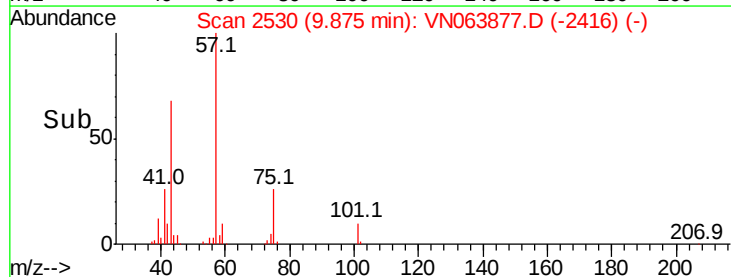
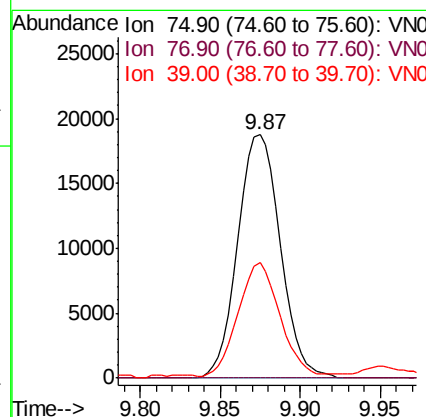
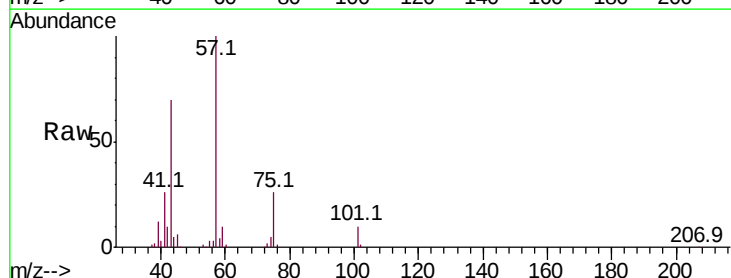
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#09

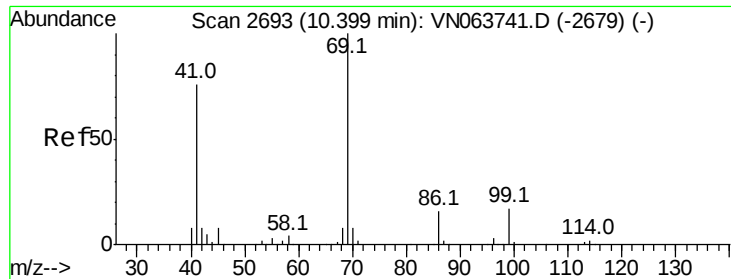
Tot Ion: 43 Resp: 8760
 Ion Ratio Lower Upper
 43 100
 58 33.0 28.4 42.6



#54
 cis-1,3-Dichloropropene
 Concen: 6.198 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063877.D
 Acq: 5 Oct 2020 17:44

Tgt Ion: 75 Resp: 34050
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 46.1 49.7 74.5#





#56

Ethyl methacrylate

Concen: 0.482 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#09

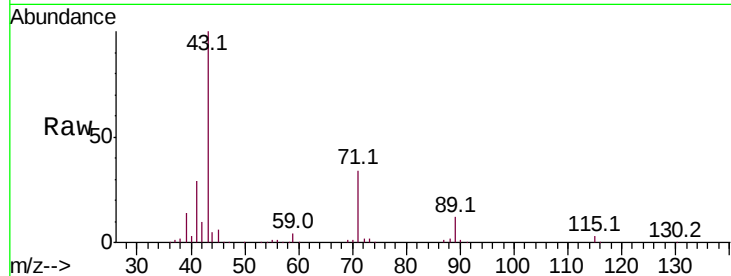
Tot Ion: 69 Resp: 2162

Ion Ratio Lower Upper

69 100

41 4584.9 61.1 91.7#

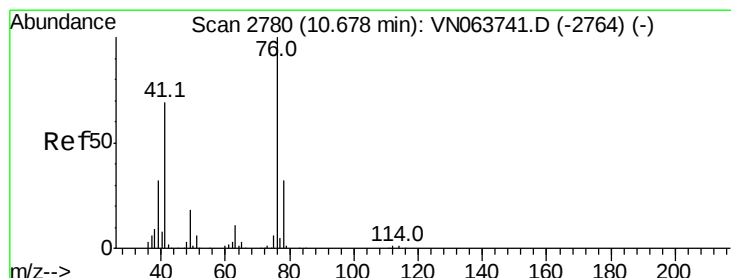
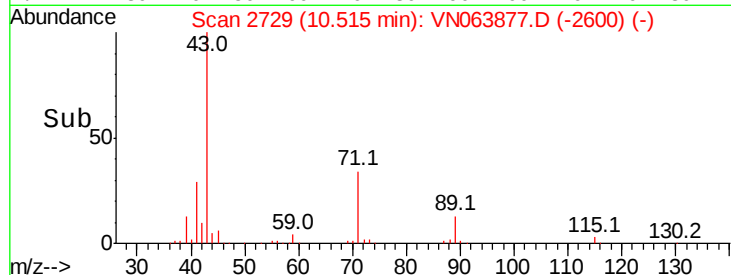
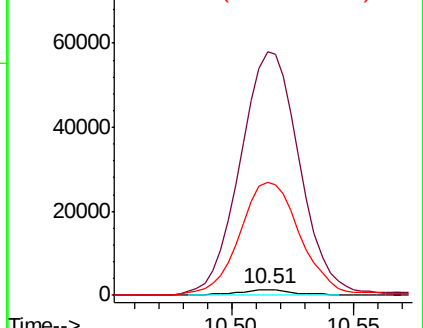
39 2118.4 42.2 63.4#



Abundance Ion 69.00 (68.70 to 69.70): VN063877.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063877.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063877.D (-2600) (-)



#57

1,3-Dichloropropane

Concen: 1.060 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN063877.D

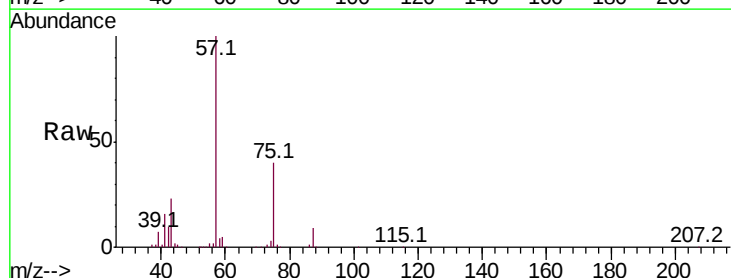
Acq: 5 Oct 2020 17:44

Tgt Ion: 76 Resp: 5677

Ion Ratio Lower Upper

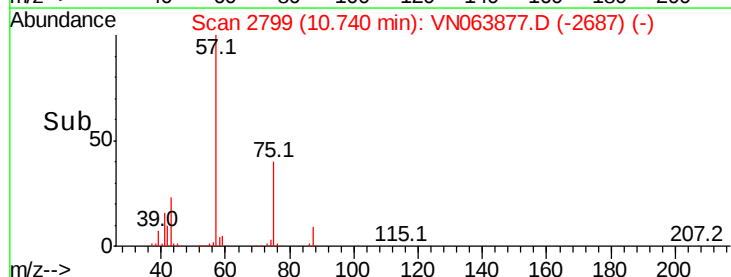
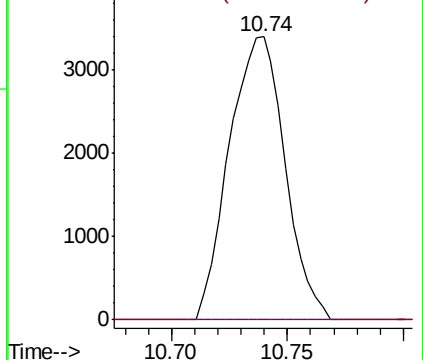
76 100

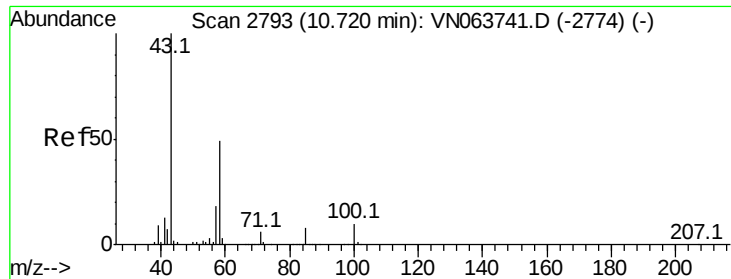
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN063877.D (-2687) (-)

Ion 77.90 (77.60 to 78.60): VN063877.D (-2687) (-)





#59

2-Hexanone

Concen: 31.199 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

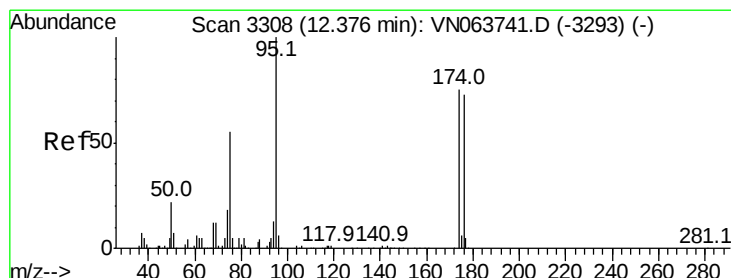
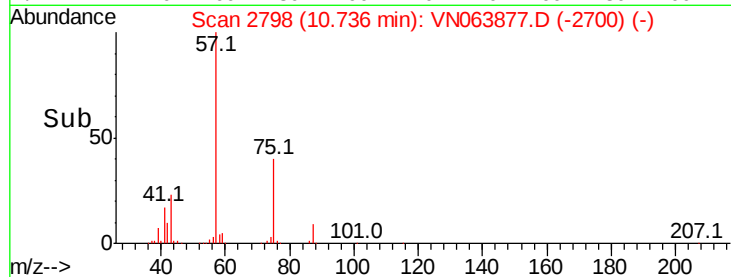
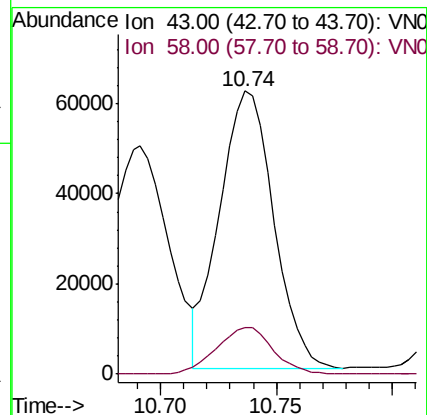
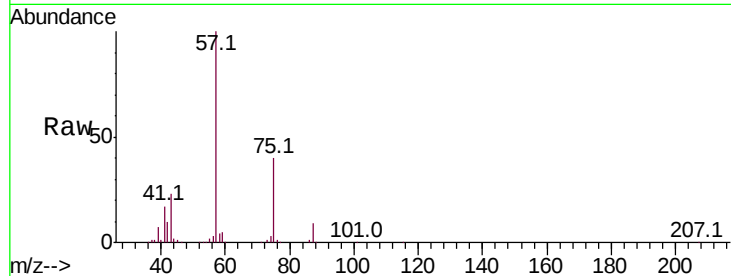
PB132063ZHE#09

Tot Ion: 43 Resp: 99592

Ion Ratio Lower Upper

43 100

58 17.8 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 49.961 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

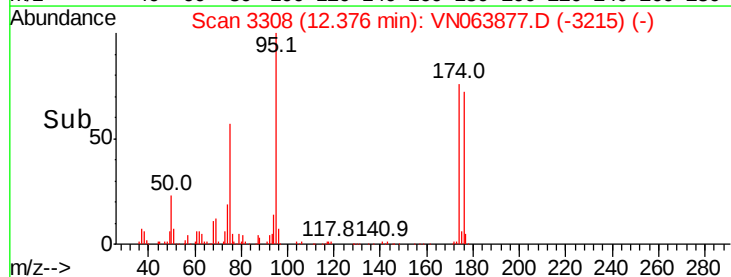
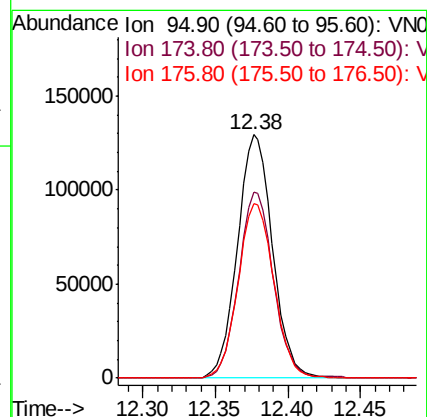
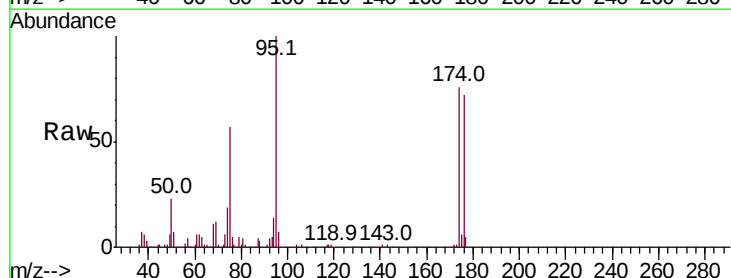
Tgt Ion: 95 Resp: 217887

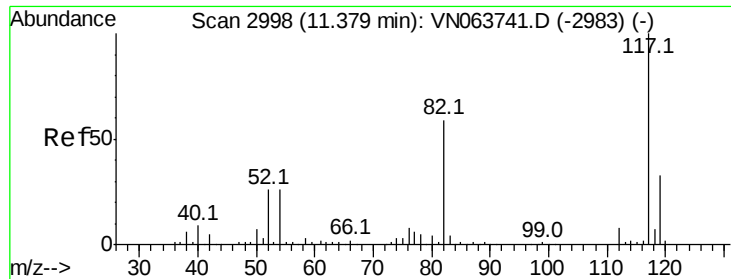
Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.6

176 73.3 0.0 145.4

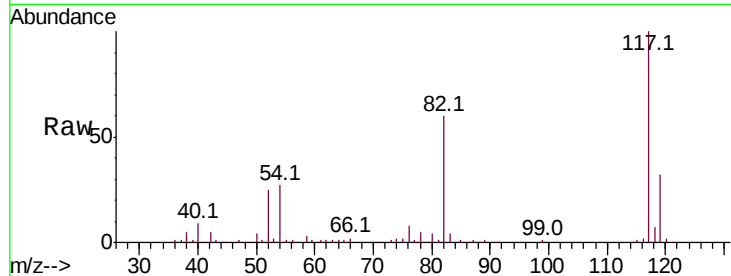




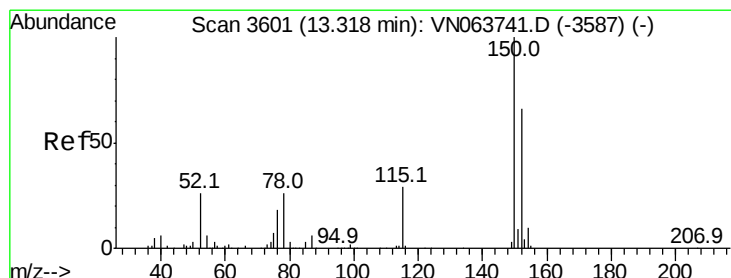
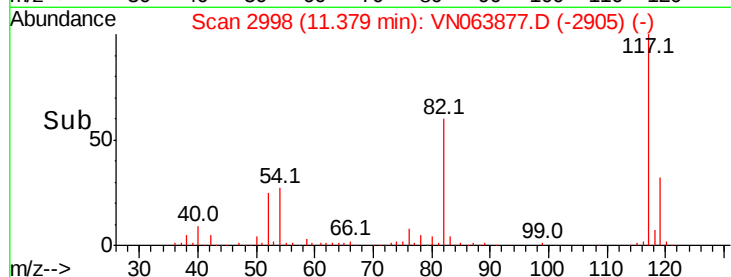
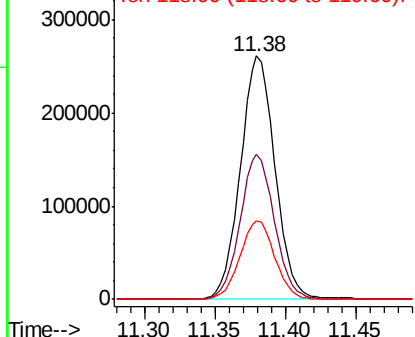
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063877.D
Acq: 5 Oct 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#09

Tot Ion:117 Resp: 449460
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 32.5 26.4 39.6

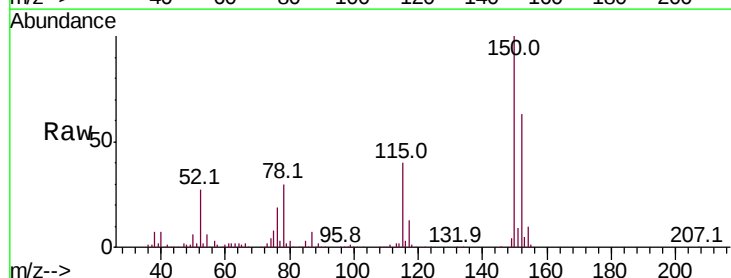


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

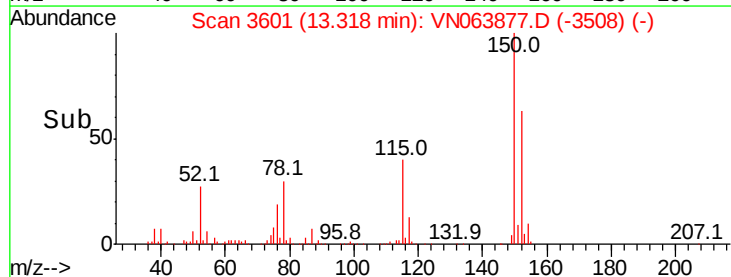
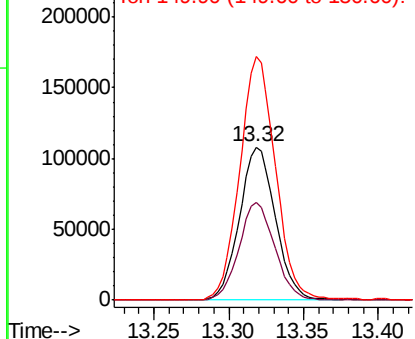


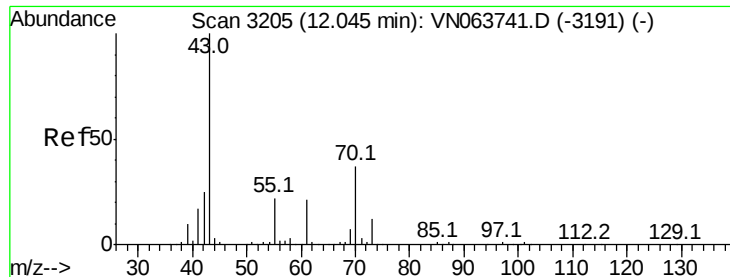
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063877.D
Acq: 5 Oct 2020 17:44

Tgt Ion:152 Resp: 180431
Ion Ratio Lower Upper
152 100
115 63.5 31.3 93.8
150 158.8 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 2.698 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063877.D

Acq: 5 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#09

Tot Ion: 43 Resp: 3086

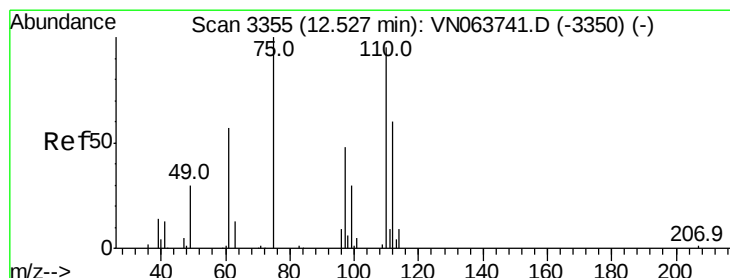
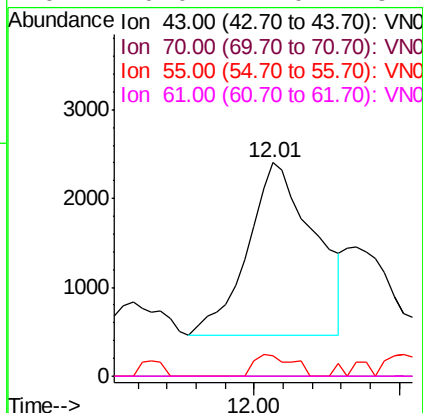
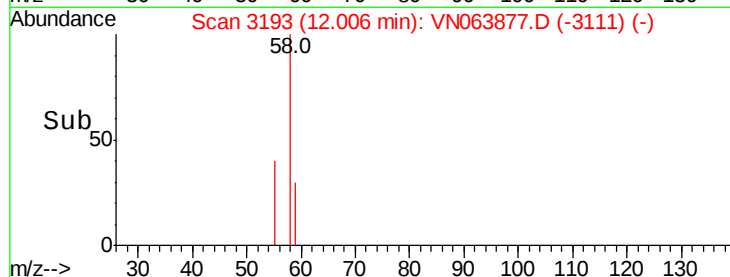
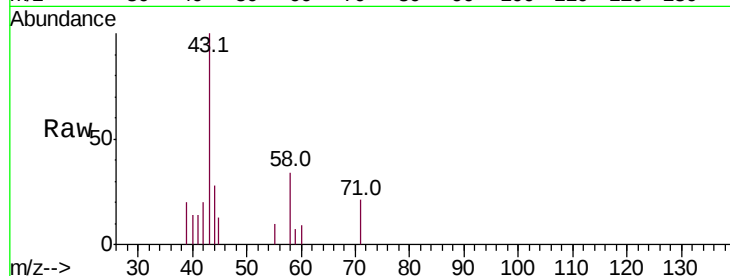
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 7.1 17.9 26.9#

61 0.0 17.0 25.4#



#76

1,2,3-Trichloropropane

Concen: 31.167 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063877.D

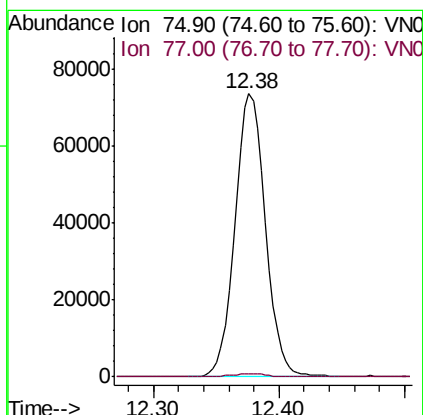
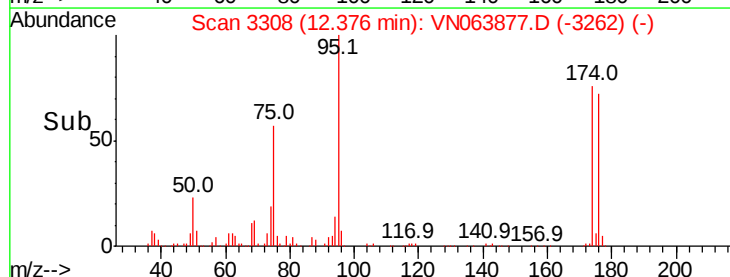
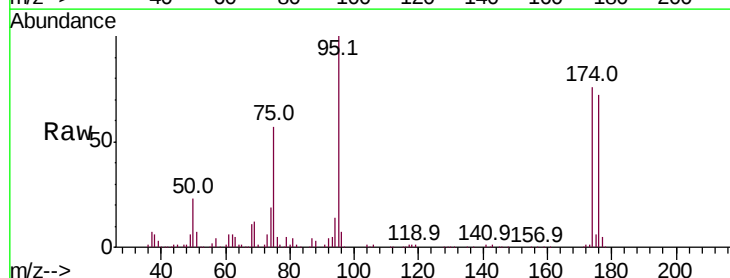
Acq: 5 Oct 2020 17:44

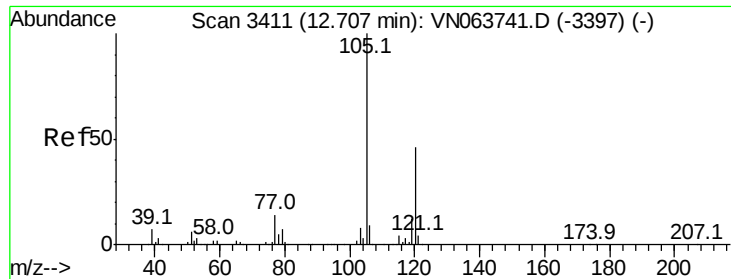
Tgt Ion: 75 Resp: 123963

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

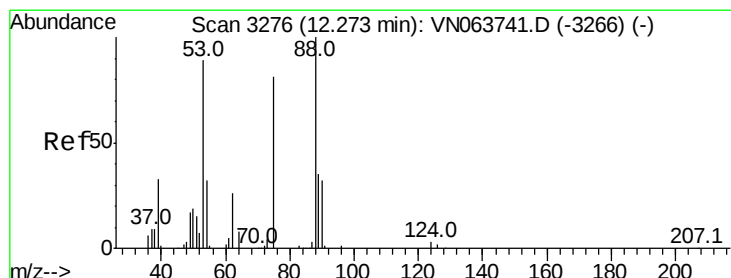
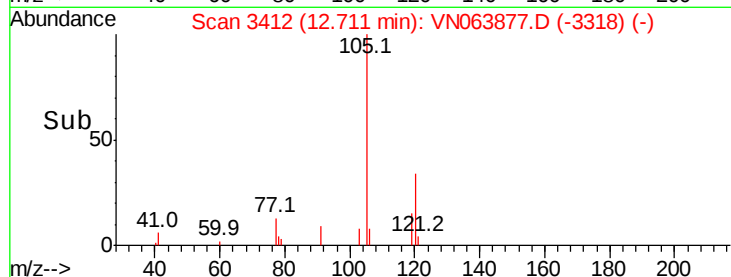
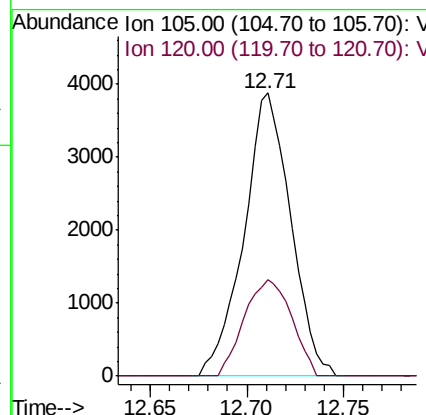
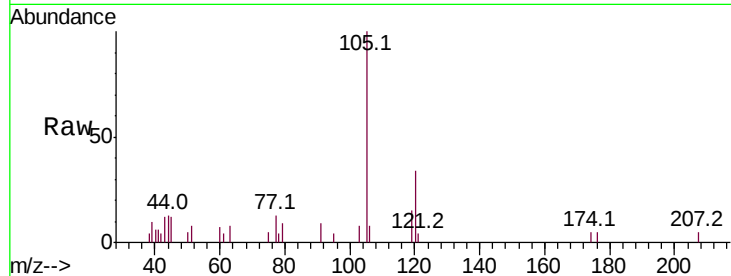




#80
 1,3,5-Trimethylbenzene
 Concen: 0.593 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063877.D
 Acq: 5 Oct 2020 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#09

Tot Ion:105 Resp: 6547
 Ion Ratio Lower Upper
 105 100
 120 34.4 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.765 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063877.D
 Acq: 5 Oct 2020 17:44

Tgt Ion: 75 Resp: 123963
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.2 132.2#
 89 0.0 36.0 54.0#

