

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063667.D
 Acq On : 25 Sep 2020 7:49
 Operator : JC/MD
 Sample : L4114-09 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 67-68-73-74

Quant Time: Sep 25 08:33:34 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	198562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	375135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159519	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	179880	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	7.55	113	125050	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	10.06	98	481099	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.38	95	185377	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

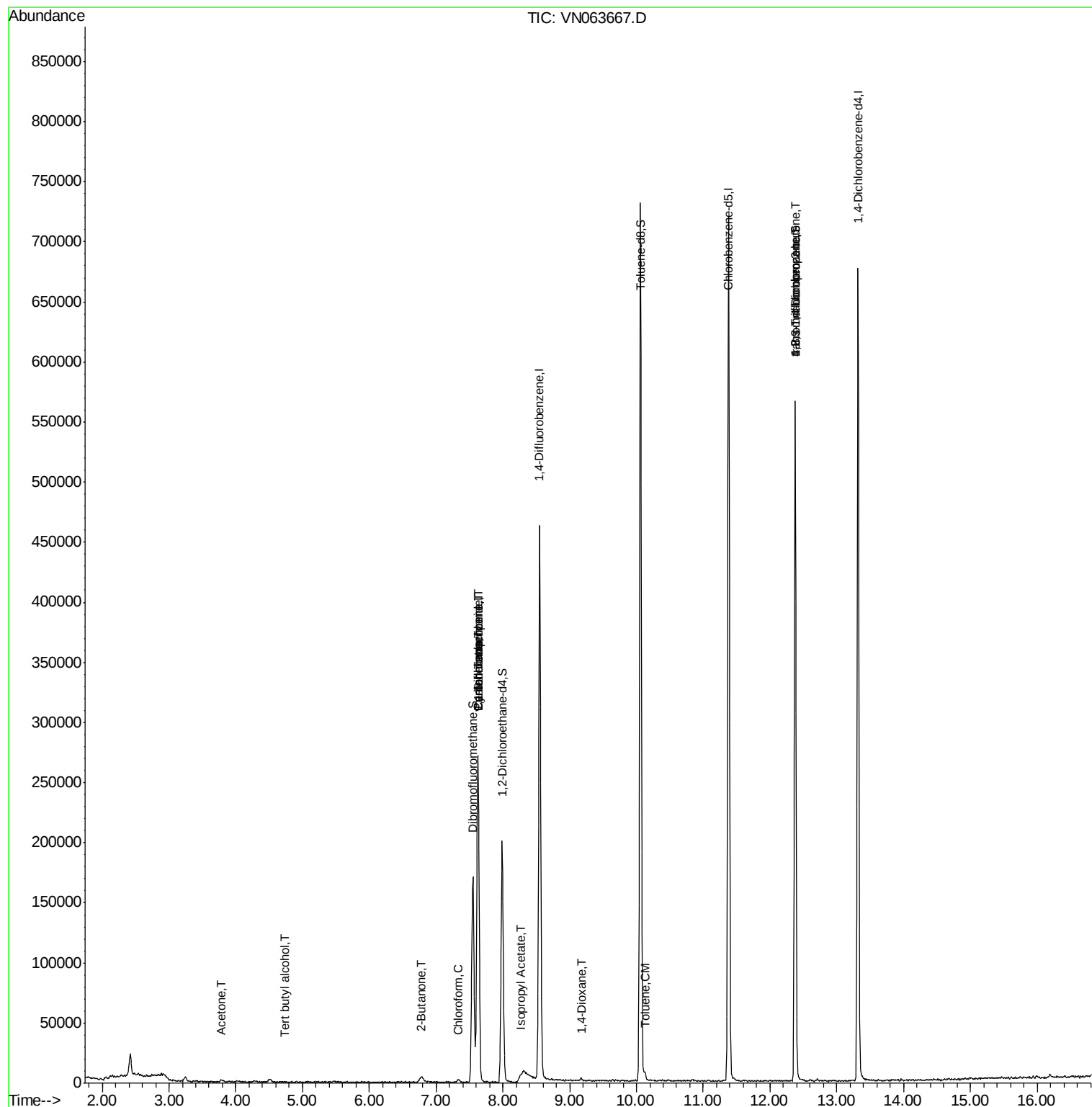
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	101	0.216	ug/l #	72
16) Acetone	3.77	43	1183	1.089	ug/l	93
25) 2-Butanone	6.79	43	2867	1.716	ug/l #	86
30) Chloroform	7.33	83	2152	0.435	ug/l	95
31) Cyclohexane	7.62	56	6141	1.315	ug/l #	30
36) 1,1-Dichloropropene	7.63	75	18505	4.630	ug/l #	51
38) Carbon Tetrachloride	7.63	117	22048	5.404	ug/l #	19
43) Isopropyl Acetate	8.26	43	5453	0.777	ug/l #	64
49) 1,4-Dioxane	9.17	88	972	19.656	ug/l #	71
52) Toluene	10.14	92	1850	0.270	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	106010	26.849	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106010	73.611	ug/l #	7

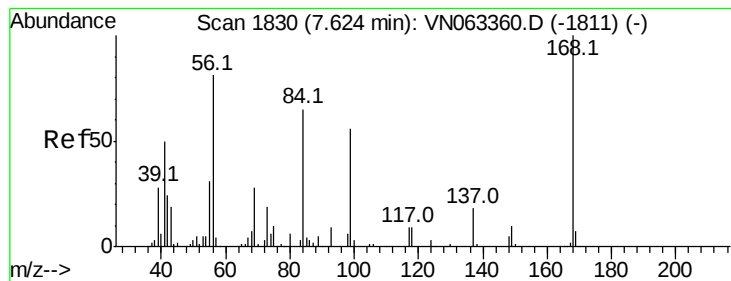
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063667.D
Acq On : 25 Sep 2020 7:49
Operator : JC/MD
Sample : L4114-09 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Quant Time: Sep 25 08:33:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampleId :

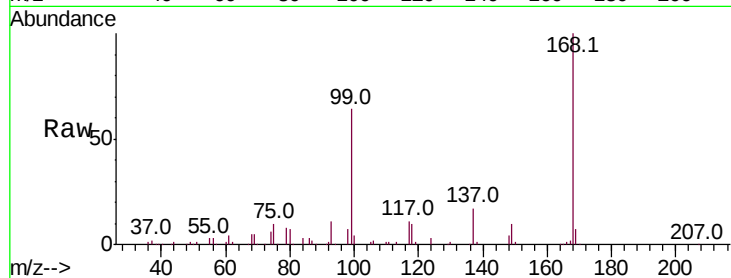
67-68-73-74

Tot Ion:168 Resp: 198562

Ion Ratio Lower Upper

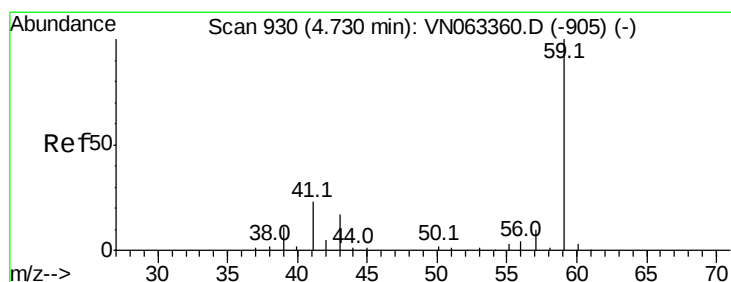
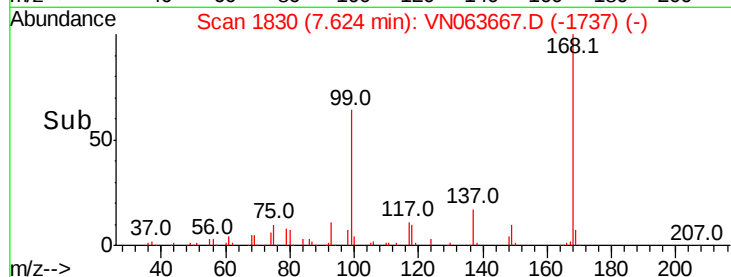
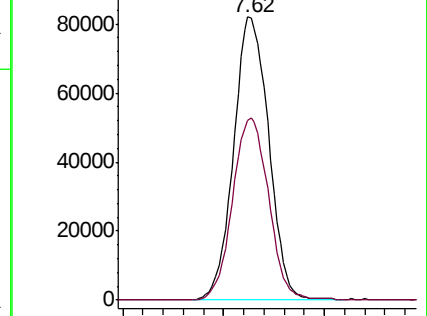
168 100

99 63.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN063667.D

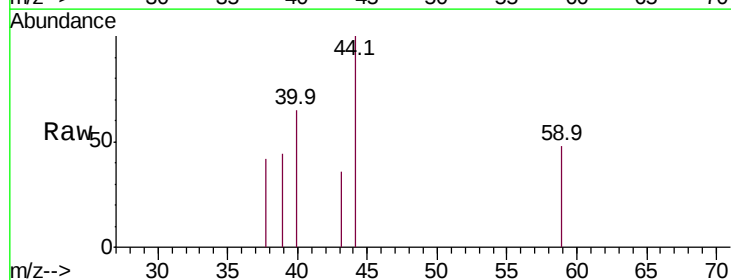
Acq: 25 Sep 2020 7:49

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

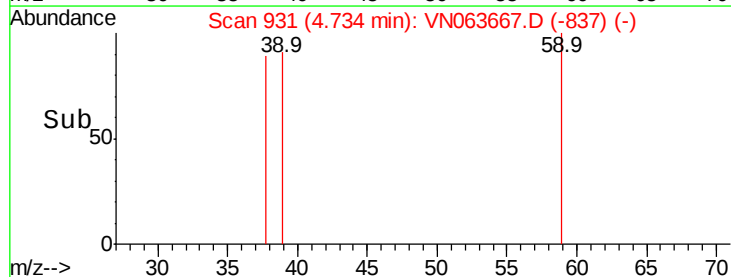
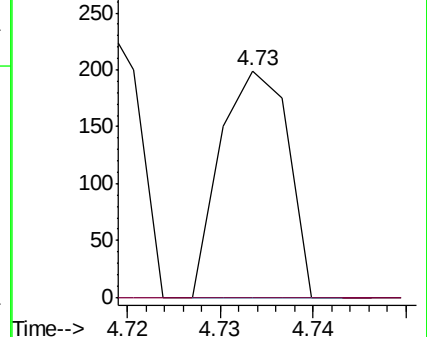
59 100

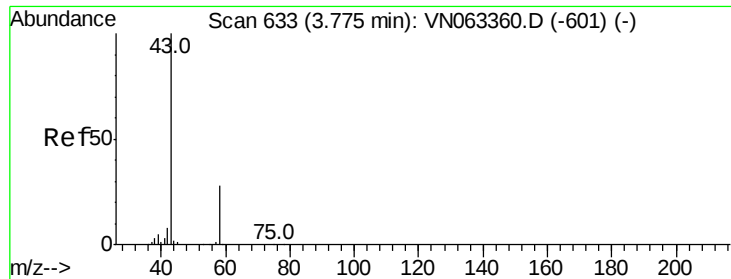
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 1.089 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampled :

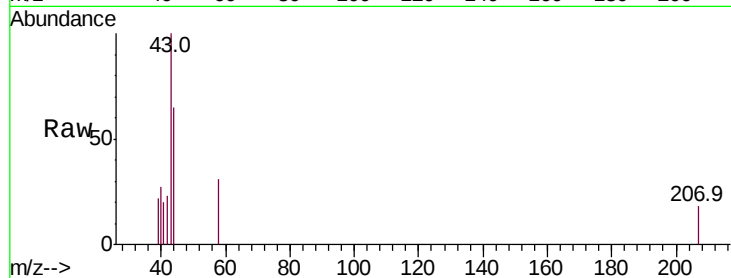
67-68-73-74

Tot Ion: 43 Resp: 1183

Ion Ratio Lower Upper

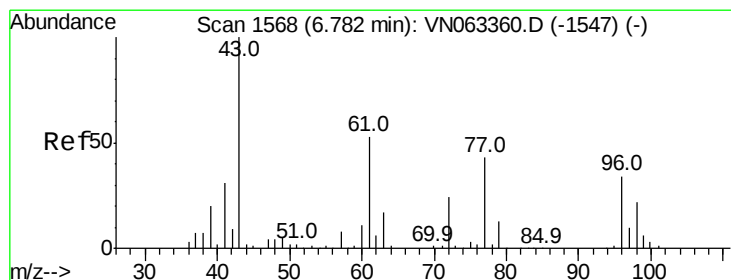
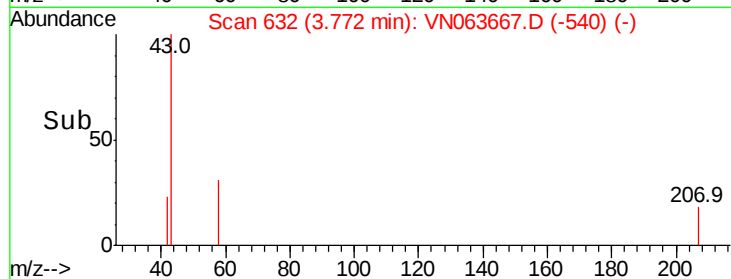
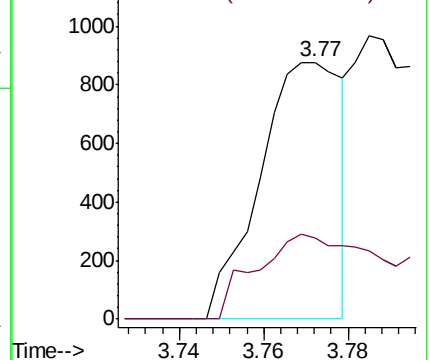
43 100

58 31.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#25

2-Butanone

Concen: 1.716 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063667.D

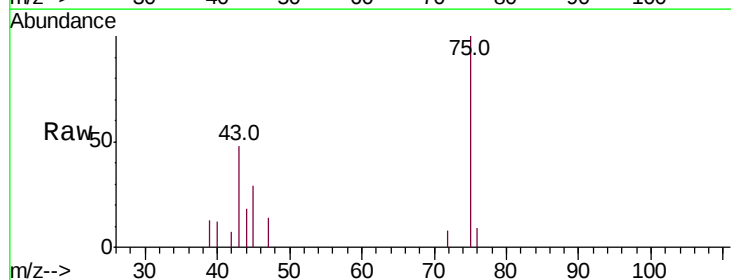
Acq: 25 Sep 2020 7:49

Tgt Ion: 43 Resp: 2867

Ion Ratio Lower Upper

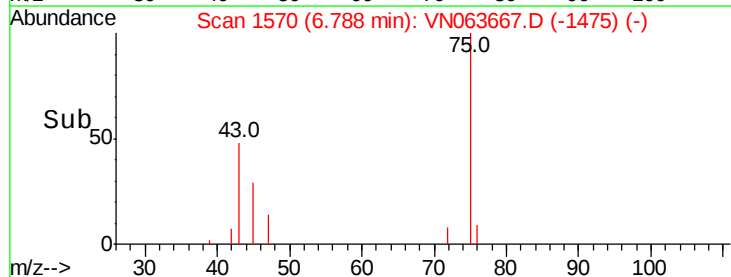
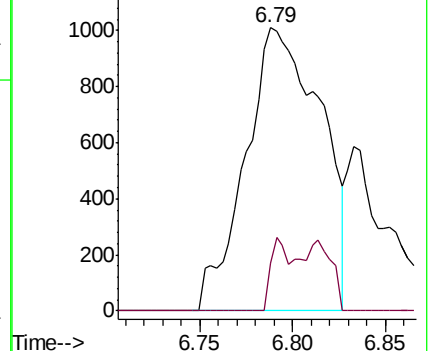
43 100

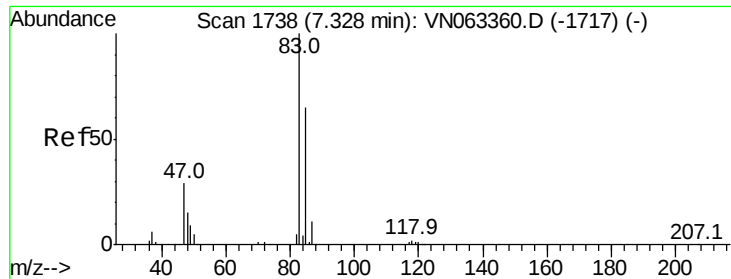
72 16.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#30

Chloroform

Concen: 0.435 ug/l

RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampleId :

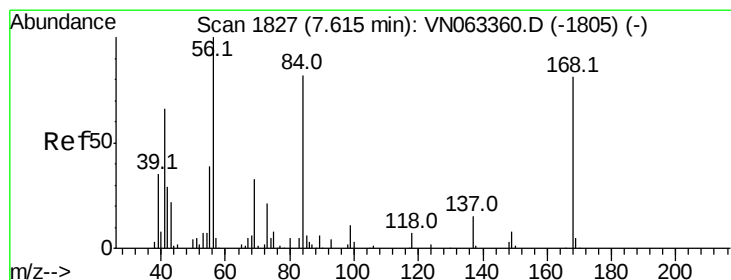
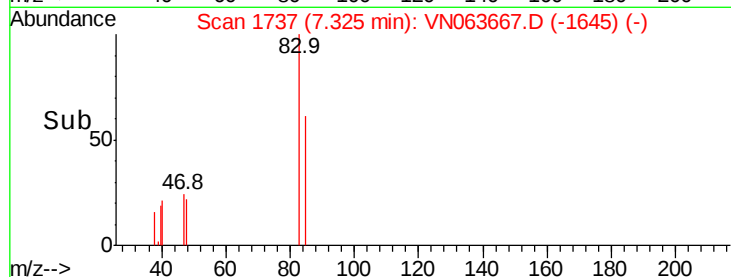
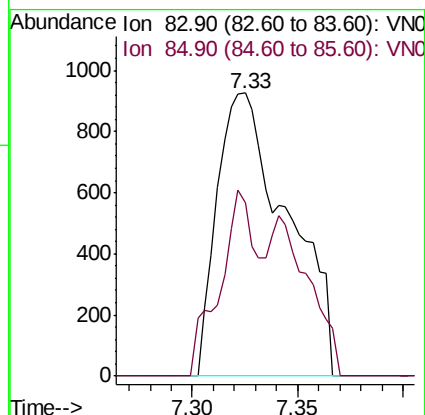
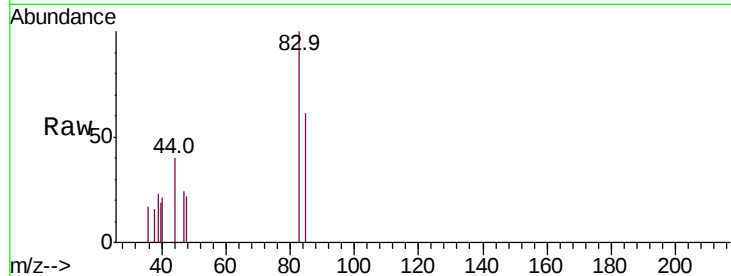
67-68-73-74

Tot Ion: 83 Resp: 2152

Ion Ratio Lower Upper

83 100

85 61.2 52.1 78.1



#31

Cyclohexane

Concen: 1.315 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

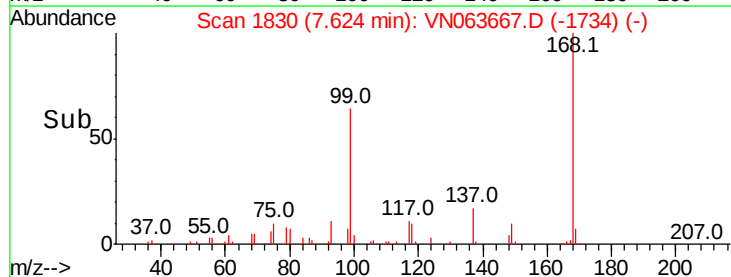
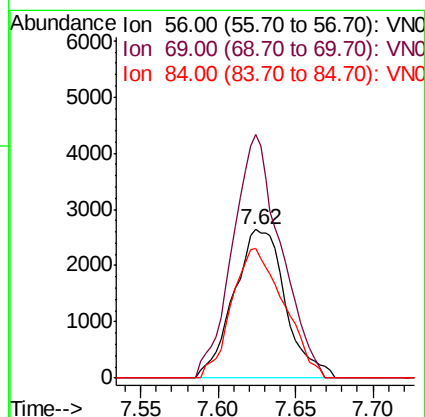
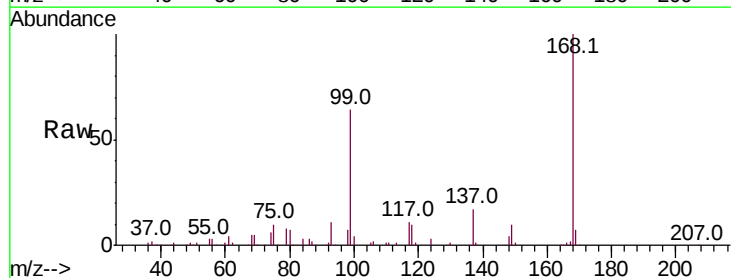
Tgt Ion: 56 Resp: 6141

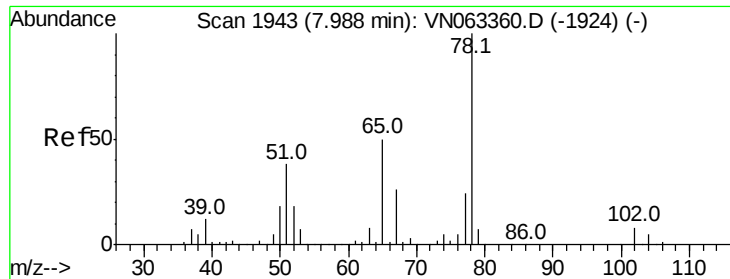
Ion Ratio Lower Upper

56 100

69 163.6 26.1 39.1#

84 86.7 65.4 98.2

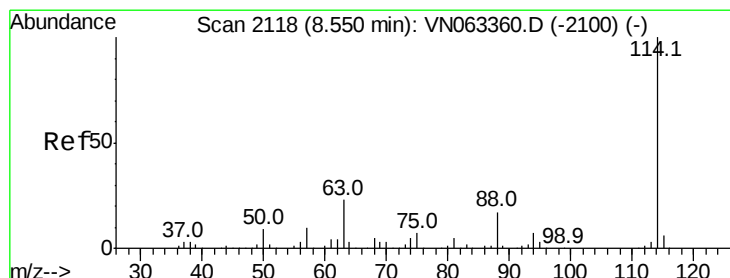
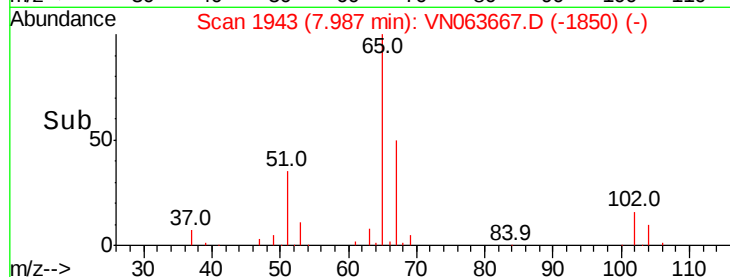
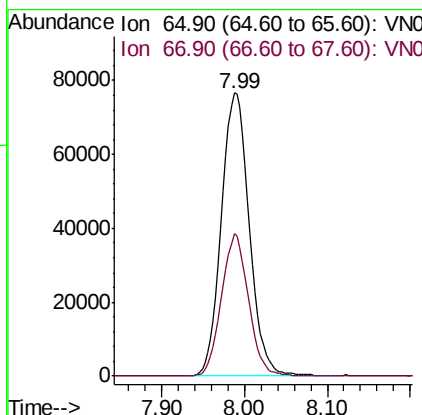
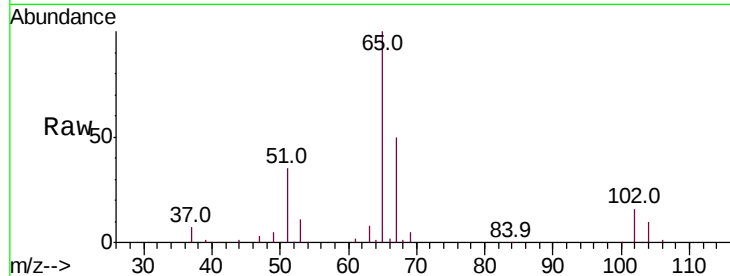




#33
 1,2-Dichloroethane-d4
 Concen: 53.218 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063667.D
 Acq: 25 Sep 2020 7:49

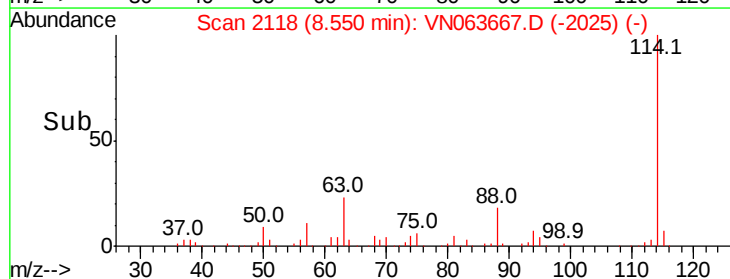
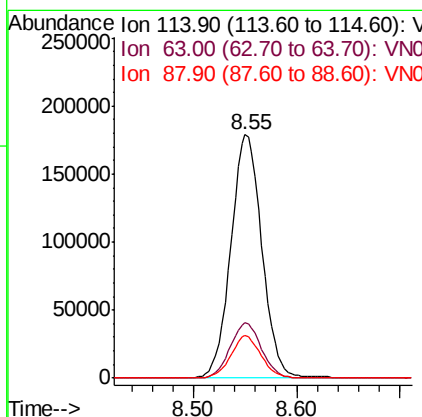
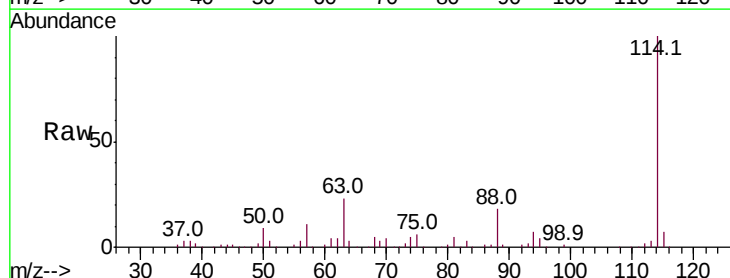
Instrument :
 MSVOA_N
 ClientSampled :
 67-68-73-74

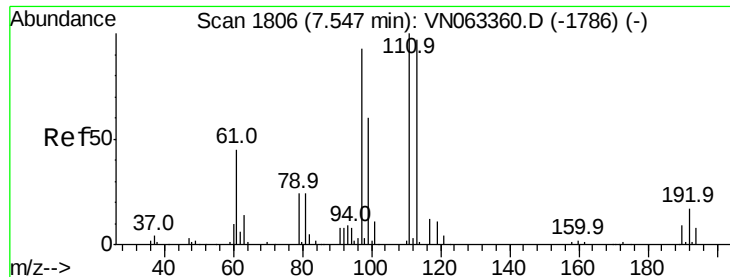
Tot Ion: 65 Resp: 179880
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063667.D
 Acq: 25 Sep 2020 7:49

Tgt Ion: 114 Resp: 375135
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.4
 88 17.6 0.0 33.2

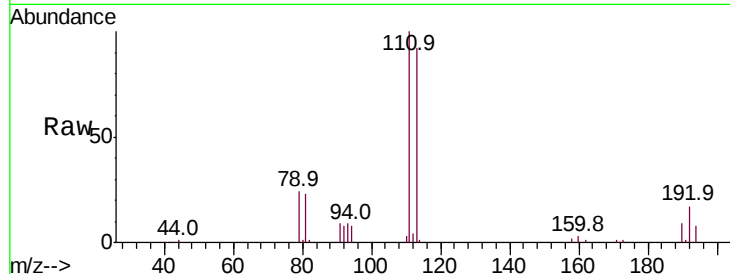




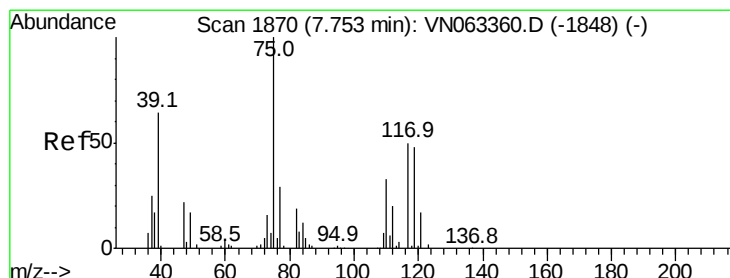
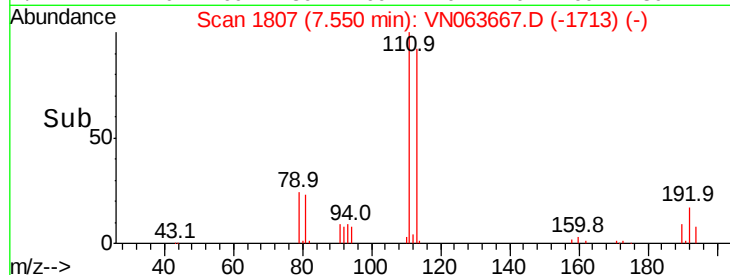
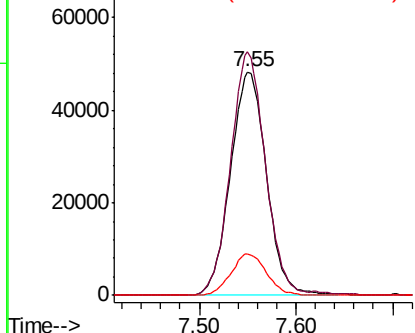
#35
 Dibromofluoromethane
 Concen: 48.152 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063667.D
 Acq: 25 Sep 2020 7:49

Instrument :
 MSVOA_N
 ClientSampleId :
 67-68-73-74

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.9	124.3
192	18.1	13.9	20.9

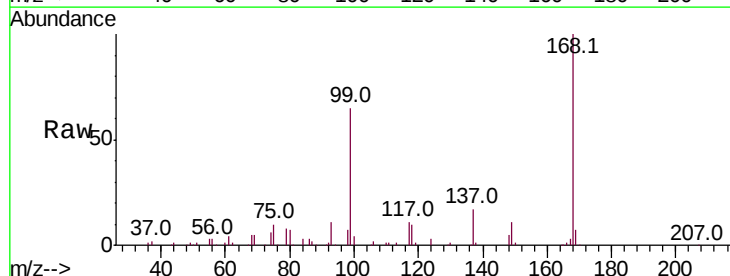


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

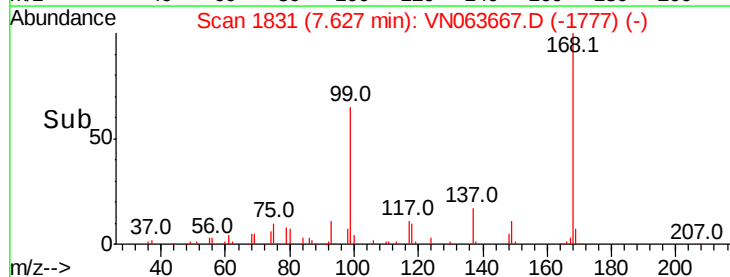
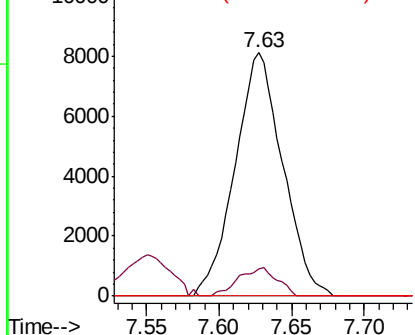


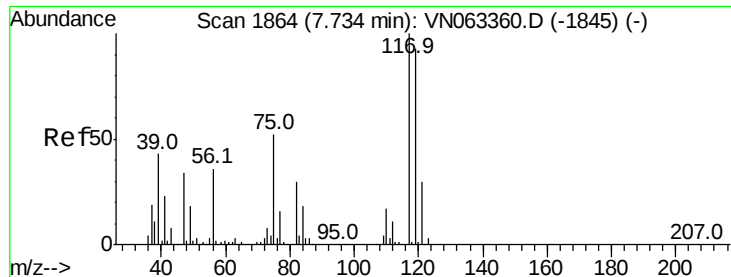
#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063667.D
 Acq: 25 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.5	49.5#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.404 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampleId :

67-68-73-74

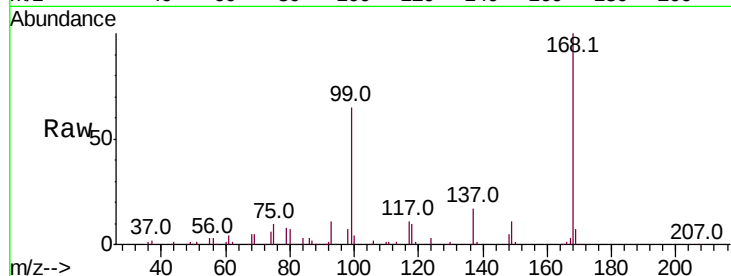
Tot Ion:117 Resp: 22048

Ion Ratio Lower Upper

117 100

119 7.2 74.5 111.7#

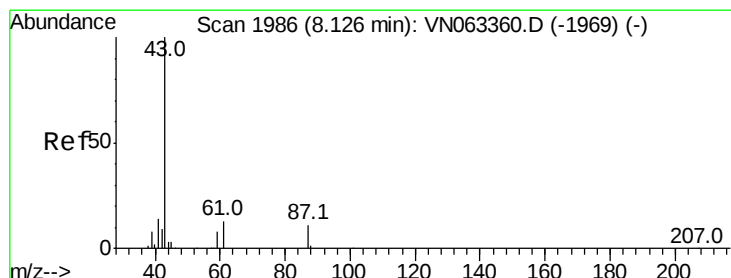
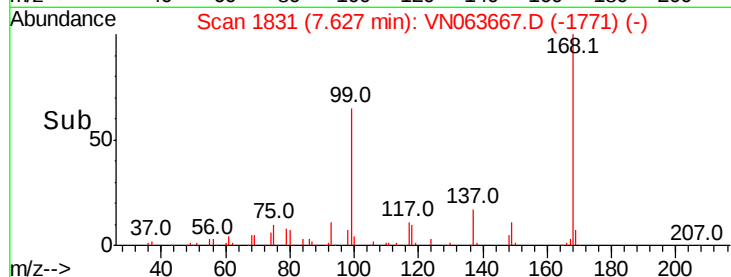
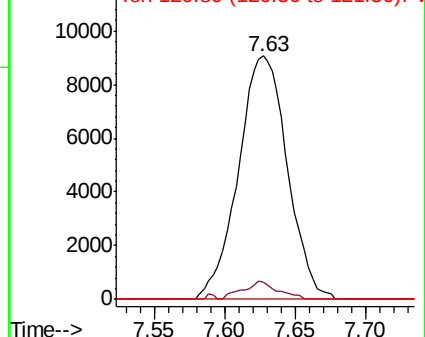
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.777 ug/l

RT: 8.26 min Scan# 2029

Delta R.T. 0.14 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

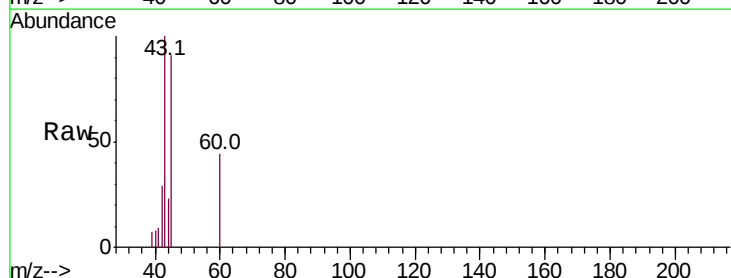
Tgt Ion: 43 Resp: 5453

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.2#

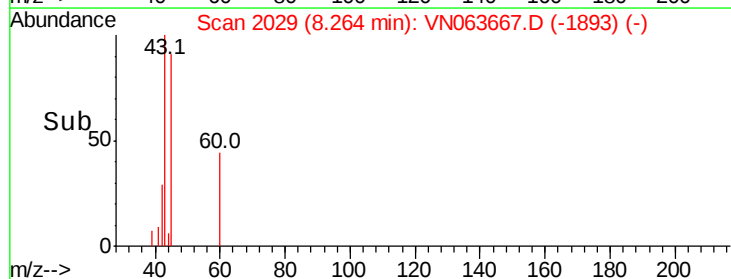
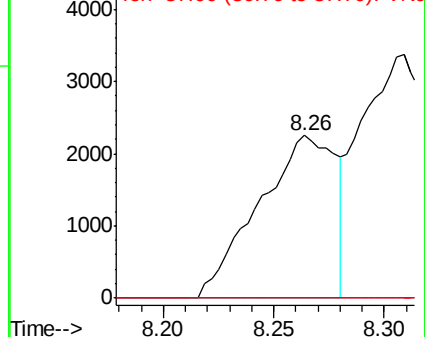
87 0.0 9.0 13.6#

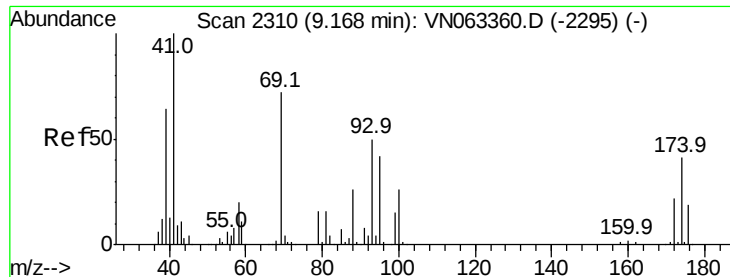


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#49

1,4-Dioxane

Concen: 19.656 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampled :

67-68-73-74

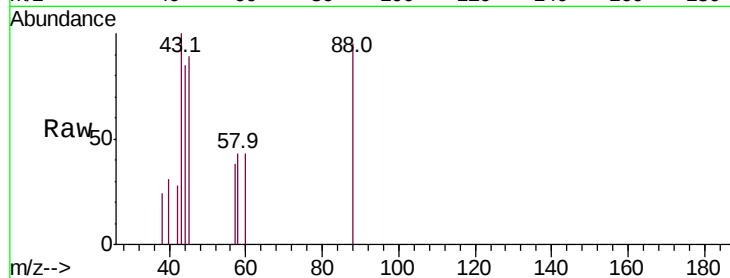
Tot Ion: 88 Resp: 972

Ion Ratio Lower Upper

88 100

43 52.3 32.6 49.0#

58 45.5 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

800

600

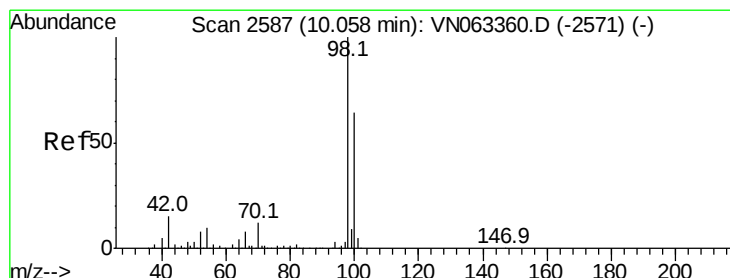
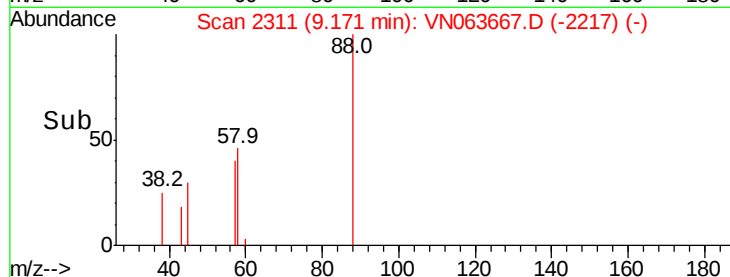
400

200

0

9.14 9.16 9.18 9.20

Time-->



#50

Toluene-d8

Concen: 49.267 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063667.D

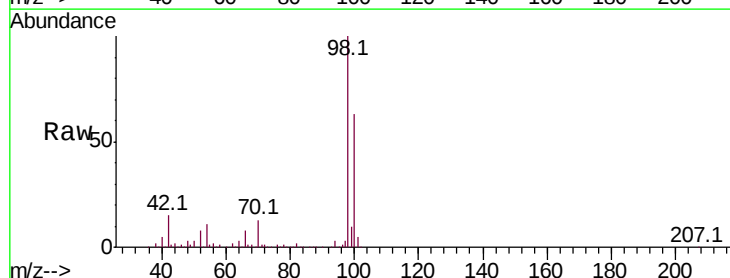
Acq: 25 Sep 2020 7:49

Tgt Ion: 98 Resp: 481099

Ion Ratio Lower Upper

98 100

100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

300000

250000

200000

150000

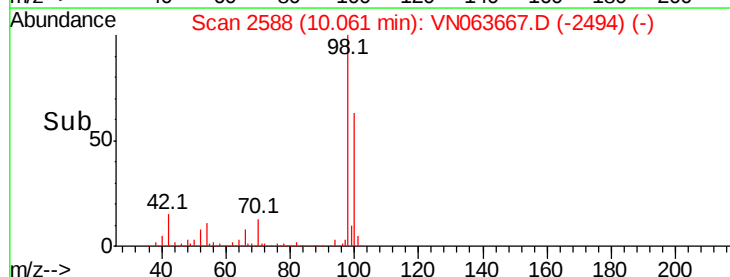
100000

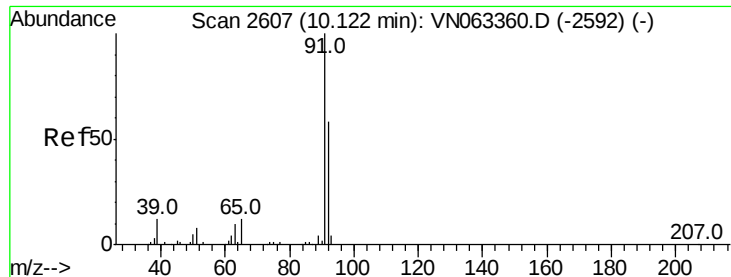
50000

0

10.00 10.05 10.10 10.15

Time-->





#52

Toluene

Concen: 0.270 ug/l

RT: 10.14 min Scan# 2611

Delta R.T. 0.01 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampleId :

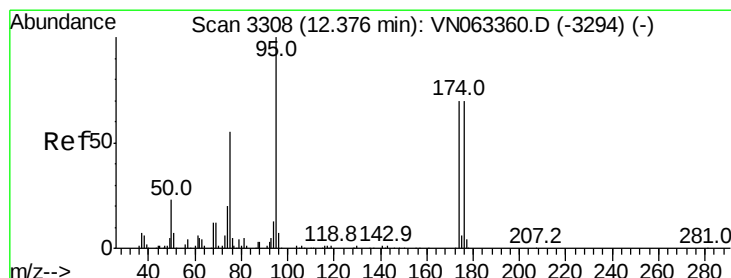
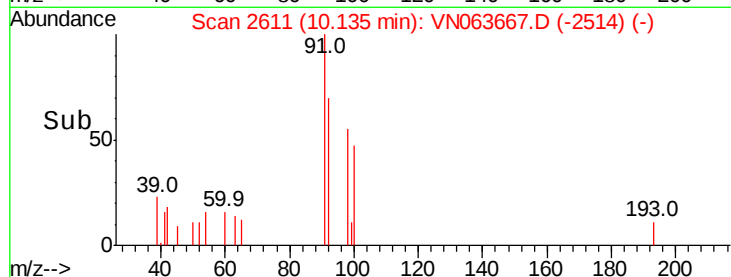
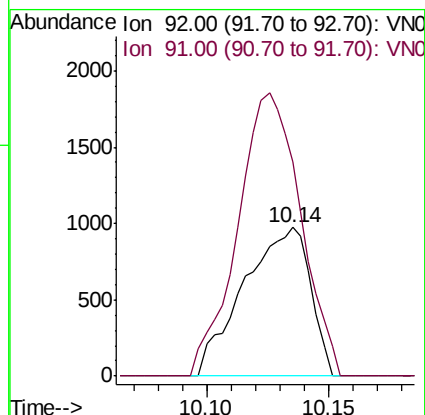
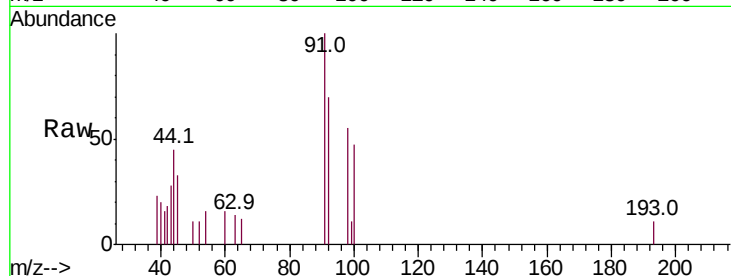
67-68-73-74

Tot Ion: 92 Resp: 1850

Ion Ratio Lower Upper

92 100

91 178.9 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 51.785 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

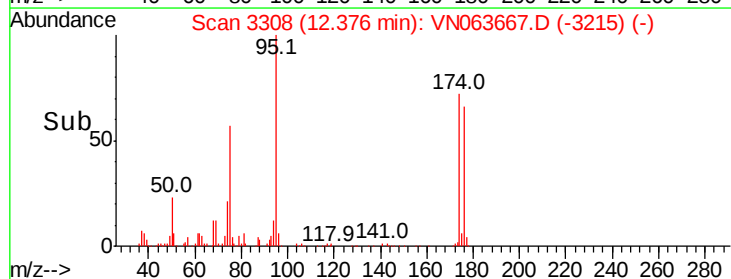
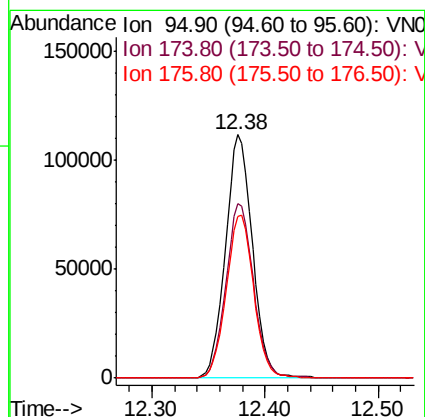
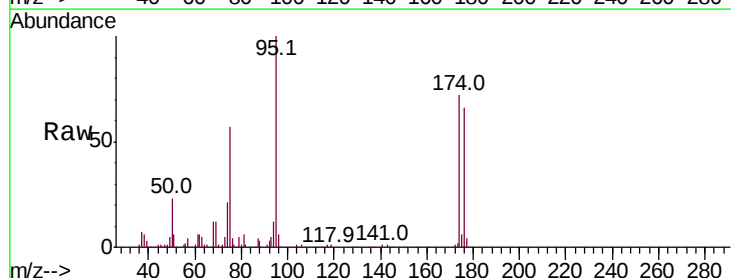
Tgt Ion: 95 Resp: 185377

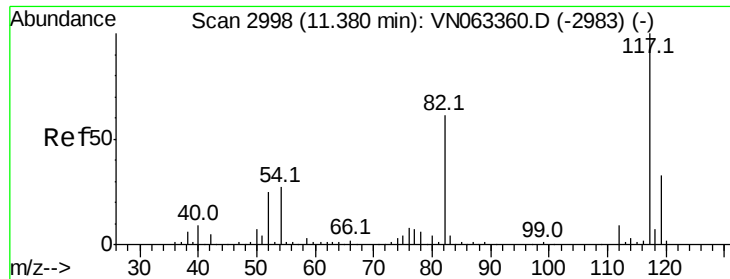
Ion Ratio Lower Upper

95 100

174 73.1 0.0 140.8

176 68.3 0.0 137.6

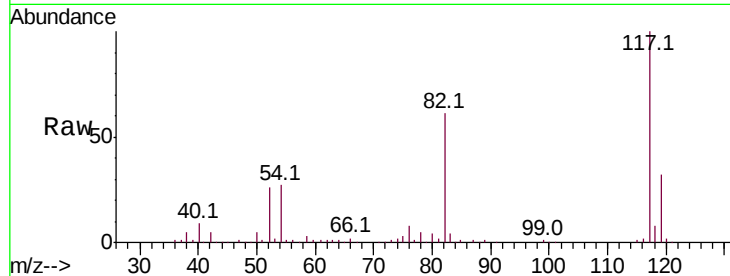




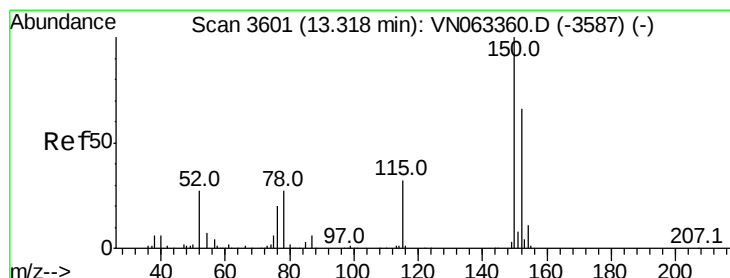
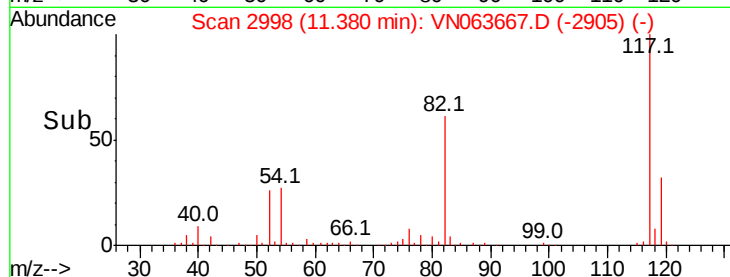
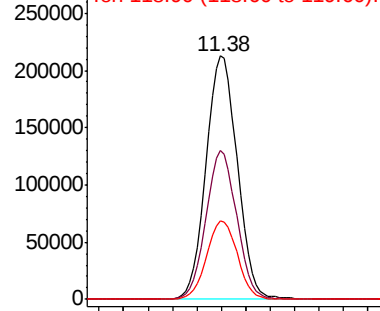
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063667.D
Acq: 25 Sep 2020 7:49

Instrument :
MSVOA_N
ClientSampled :
67-68-73-74

Tot Ion:117 Resp: 379011
Ion Ratio Lower Upper
117 100
82 60.9 49.2 73.8
119 32.2 26.2 39.4

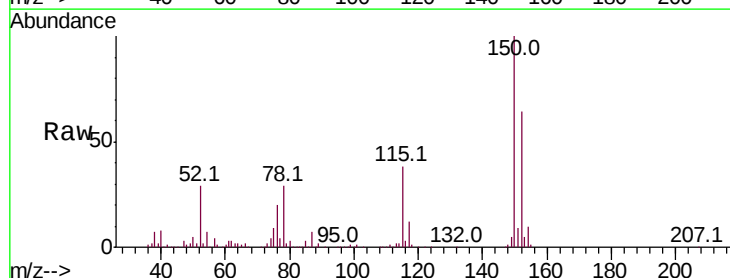


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

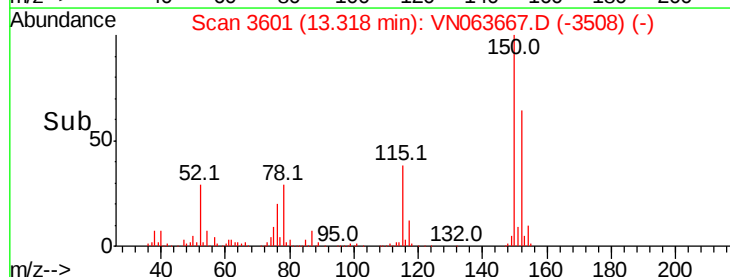
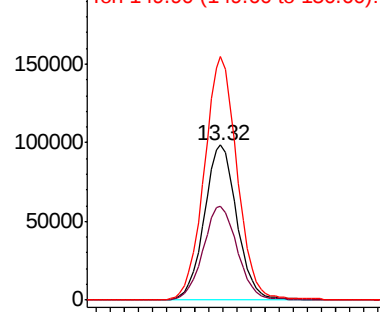


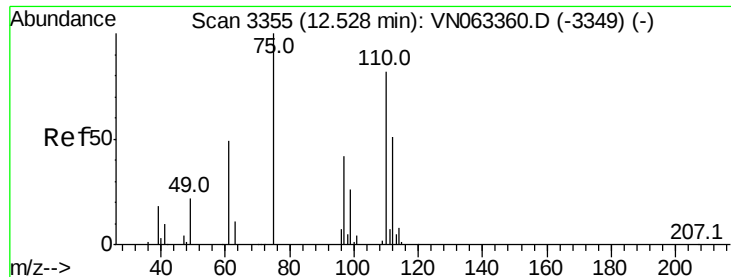
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063667.D
Acq: 25 Sep 2020 7:49

Tgt Ion:152 Resp: 159519
Ion Ratio Lower Upper
152 100
115 63.8 32.2 96.6
150 158.5 0.0 343.4



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





#76

1,2,3-Trichloropropane

Concen: 26.849 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

Instrument :

MSVOA_N

ClientSampled :

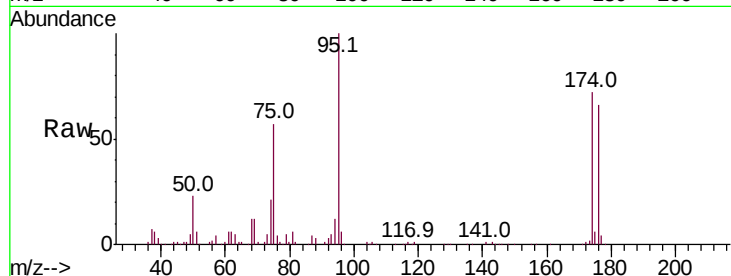
67-68-73-74

Tot Ion: 75 Resp: 106010

Ion Ratio Lower Upper

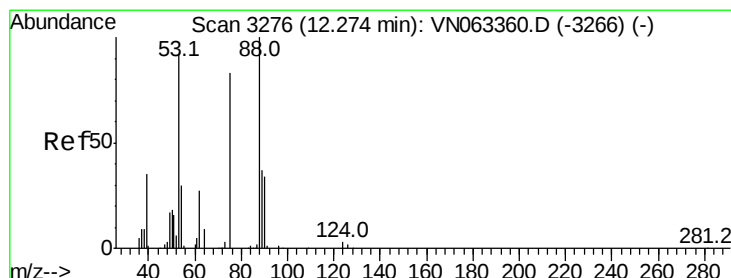
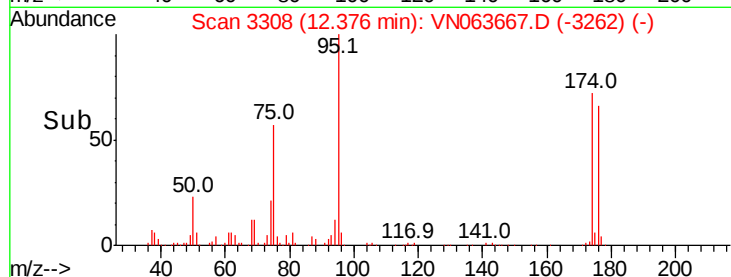
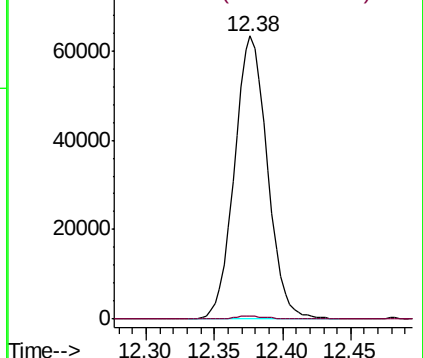
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 73.611 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063667.D

Acq: 25 Sep 2020 7:49

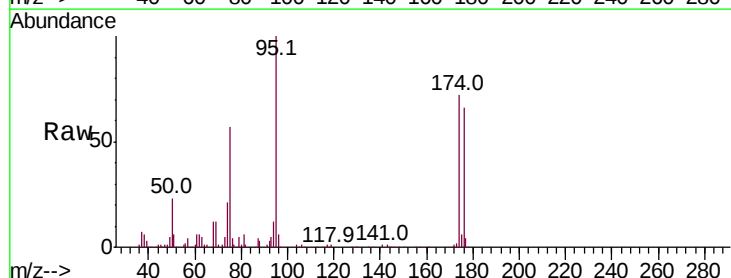
Tgt Ion: 75 Resp: 106010

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

