

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063635.D
 Acq On : 24 Sep 2020 17:52
 Operator : JC/MD
 Sample : L4119-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200921

Quant Time: Sep 25 03:49:57 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	206897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	381423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	177122	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.55	113	128757	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.06	98	500272	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.38	95	198685	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

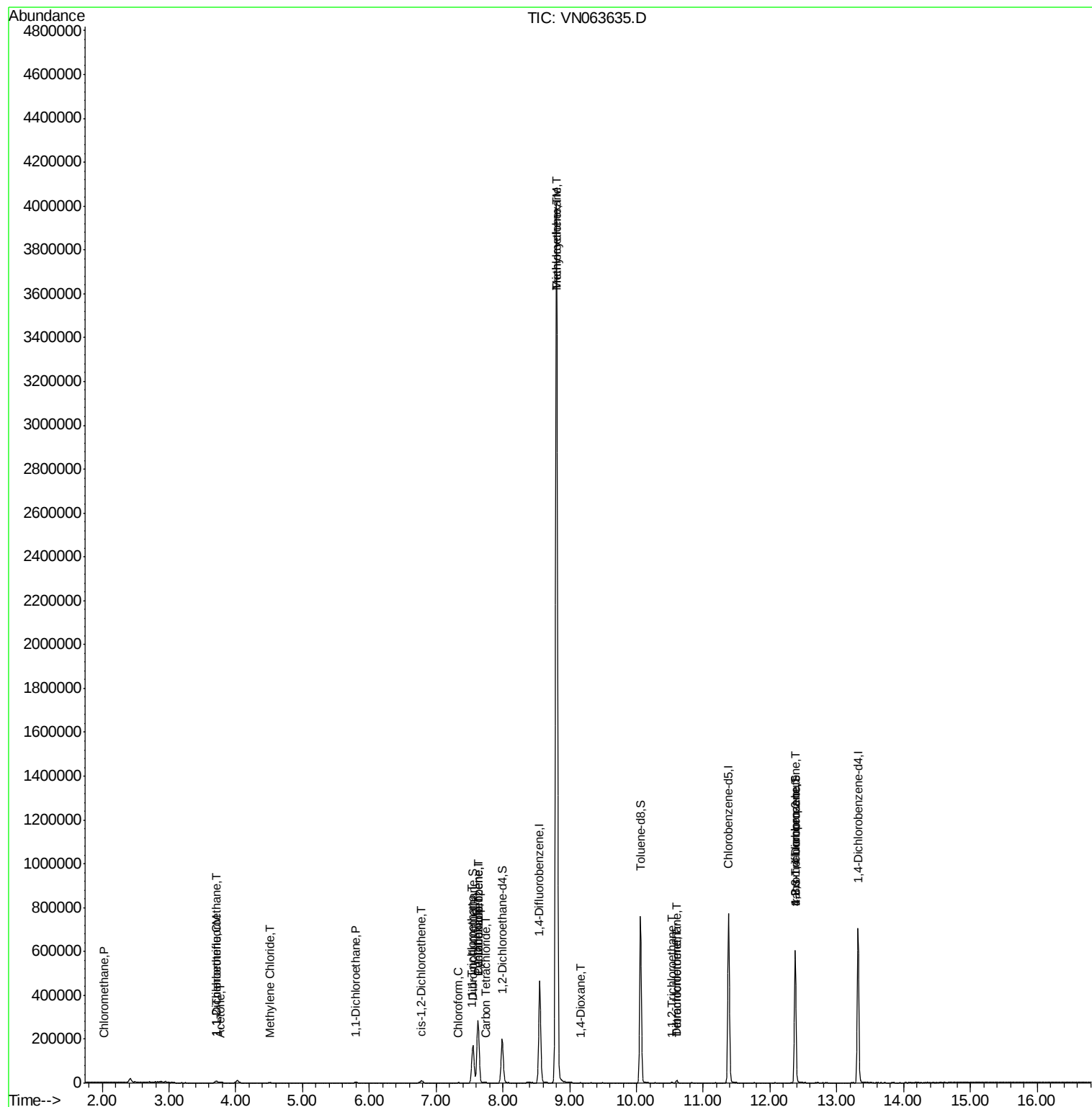
						Qvalue
3) Chloromethane	2.04	50	983	0.317	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1509	0.655	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	3434	1.471	ug/l	87
16) Acetone	3.77	43	1657	1.464	ug/l #	81
20) Methylene Chloride	4.51	84	750	0.262	ug/l #	68
24) 1,1-Dichloroethane	5.80	63	4337	0.843	ug/l #	91
27) cis-1,2-Dichloroethene	6.79	96	3724	1.272	ug/l	85
30) Chloroform	7.33	83	1967	0.381	ug/l #	63
31) Cyclohexane	7.63	56	6648	1.367	ug/l #	37
32) 1,1,1-Trichloroethane	7.53	97	2088	0.455	ug/l #	53
36) 1,1-Dichloropropene	7.62	75	19950	4.910	ug/l #	51
38) Carbon Tetrachloride	7.73	117	1916	0.462	ug/l #	77
39) Methylcyclohexane	8.80	83	18986	4.305	ug/l #	1
44) Trichloroethene	8.80	130	1315764	467.662	ug/l	98
49) 1,4-Dioxane	9.17	88	512	10.183	ug/l #	47
55) 1,1,2-Trichloroethane	10.53	97	895	0.323	ug/l #	85
60) Dibromochloromethane	10.60	129	2358	0.753	ug/l #	10
64) Tetrachloroethene	10.60	164	2249	0.829	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	111550	26.834	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	111550	73.569	ug/l #	7

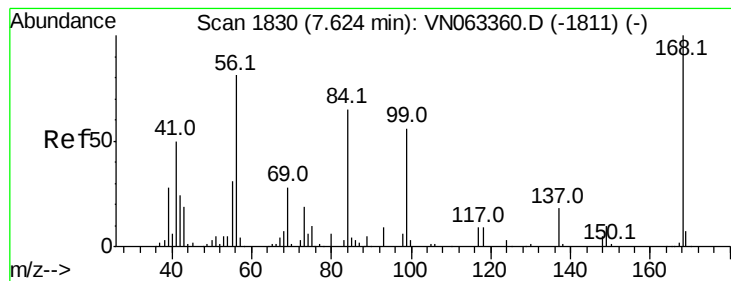
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063635.D
Acq On : 24 Sep 2020 17:52
Operator : JC/MD
Sample : L4119-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE126D2-20200921

Quant Time: Sep 25 03:49:57 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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

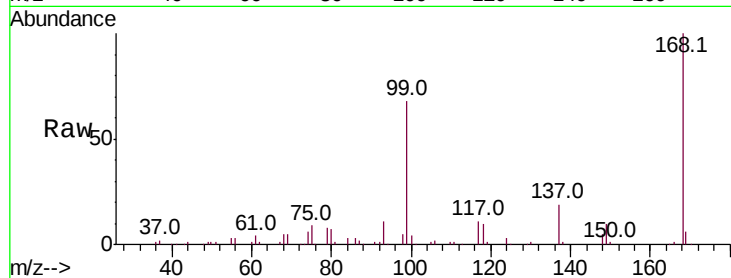
RE126D2-20200921

Tot Ion:168 Resp: 206897

Ion Ratio Lower Upper

168 100

99 67.6 53.0 79.6



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

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

7.63

80000

60000

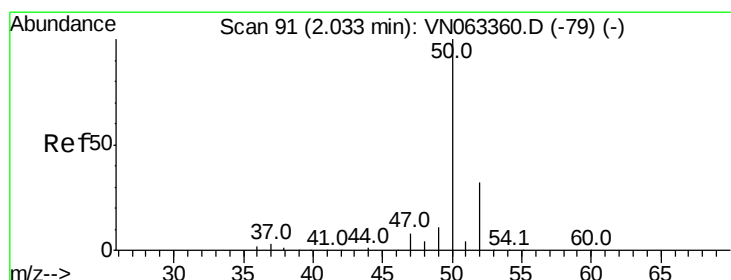
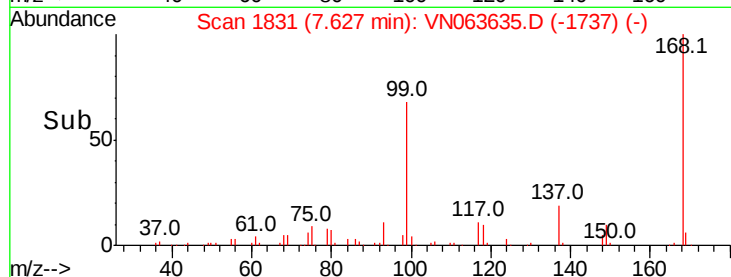
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.317 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063635.D

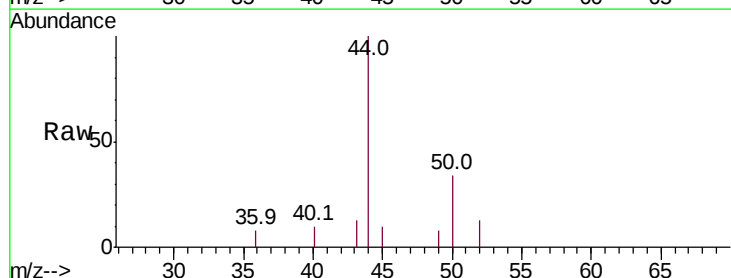
Acq: 24 Sep 2020 17:52

Tgt Ion: 50 Resp: 983

Ion Ratio Lower Upper

50 100

52 37.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

800

600

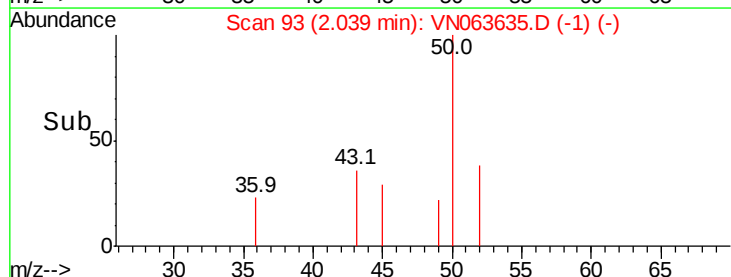
400

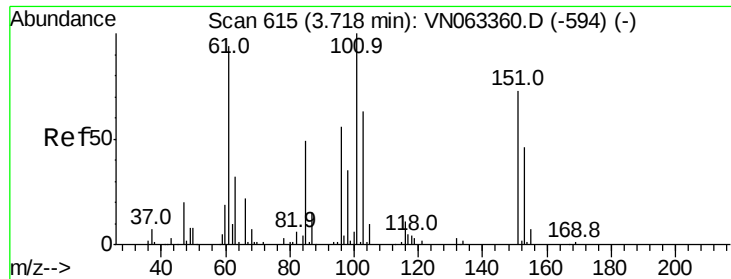
200

0

2.00 2.02 2.04 2.06

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.655 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

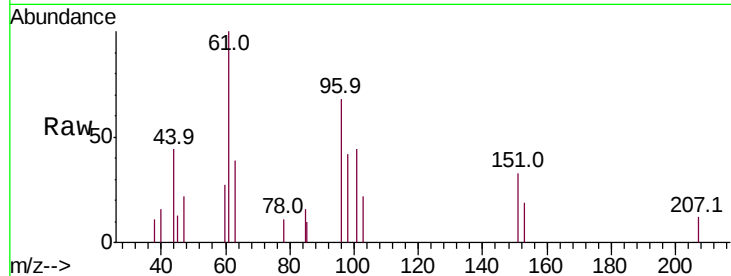
Tot Ion:101 Resp: 1509

Ion Ratio Lower Upper

101 100

85 30.4 37.7 56.5#

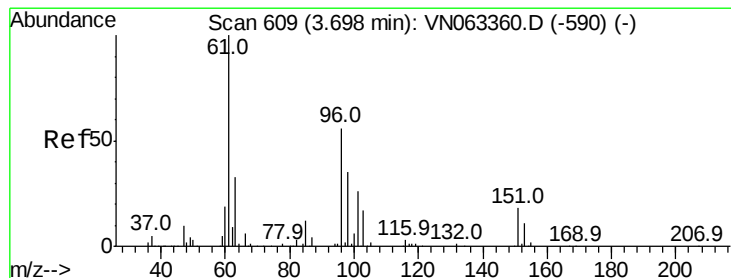
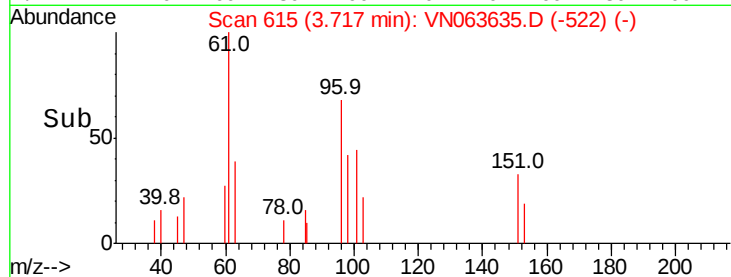
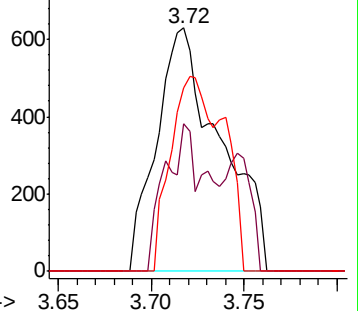
151 66.5 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.471 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

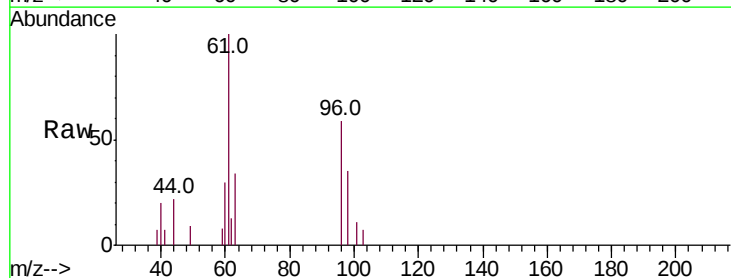
Tgt Ion: 96 Resp: 3434

Ion Ratio Lower Upper

96 100

61 157.6 143.4 215.2

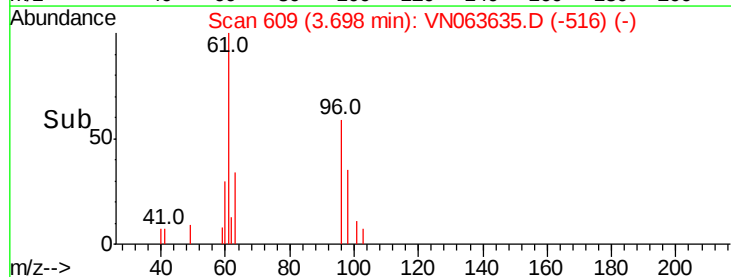
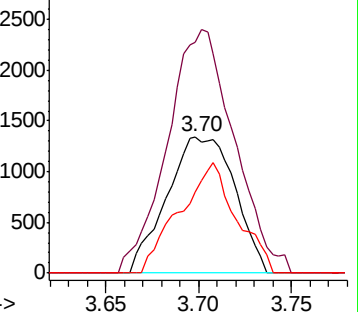
98 59.5 50.6 76.0

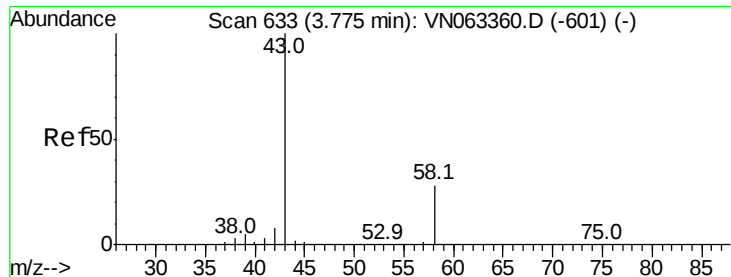


Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN





#16

Acetone

Concen: 1.464 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

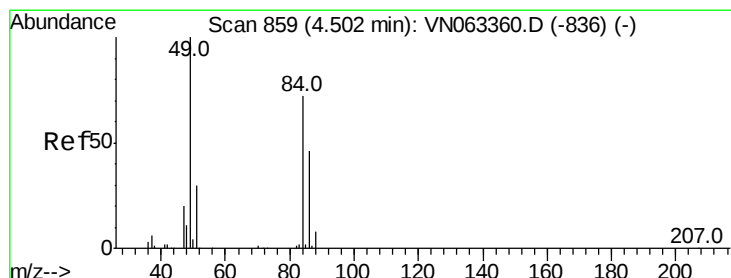
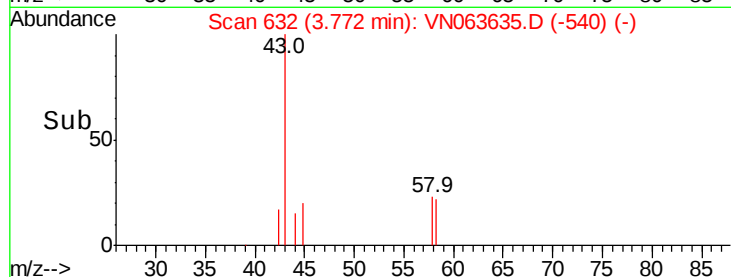
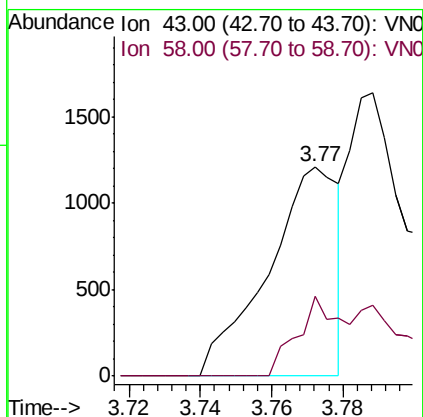
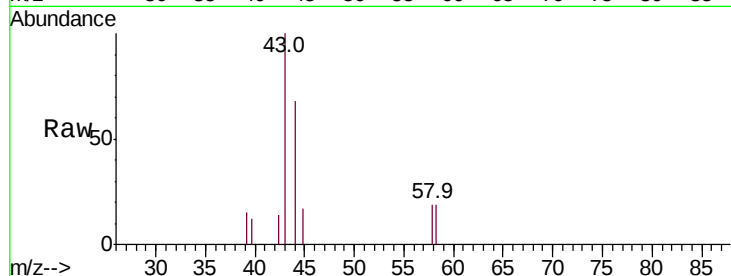
RE126D2-20200921

Tot Ion: 43 Resp: 1657

Ion Ratio Lower Upper

43 100

58 37.9 22.3 33.5#



#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Tgt Ion: 84 Resp: 750

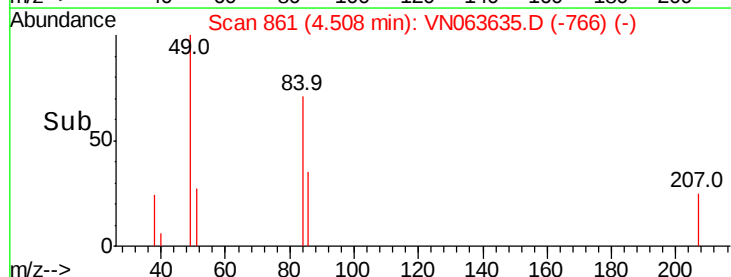
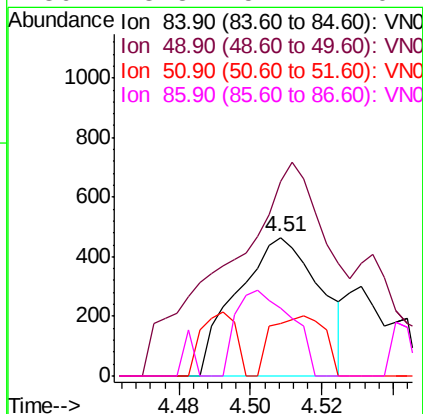
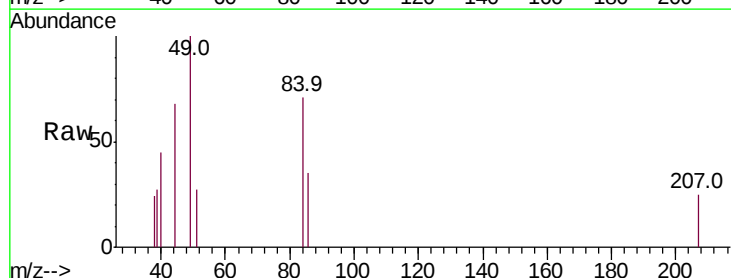
Ion Ratio Lower Upper

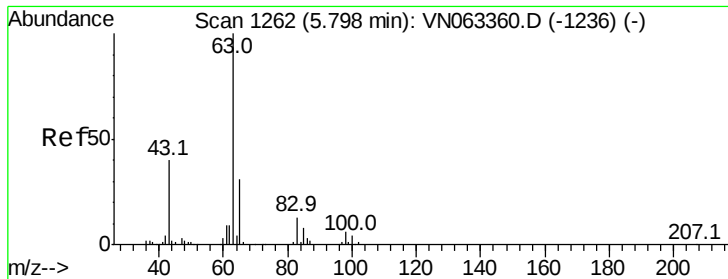
84 100

49 82.8 110.7 166.1#

51 38.1 32.9 49.3

86 48.8 51.1 76.7#





#24

1,1-Dichloroethane

Concen: 0.843 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

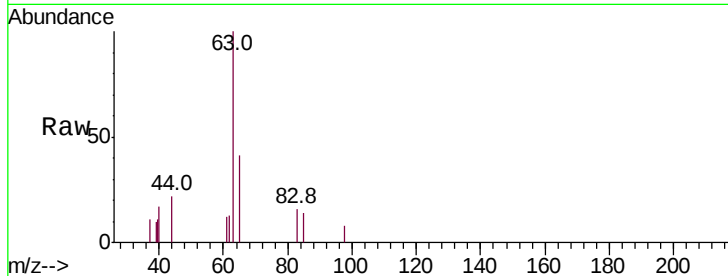
Tot Ion: 63 Resp: 4337

Ion Ratio Lower Upper

63 100

98 8.0 2.9 8.8

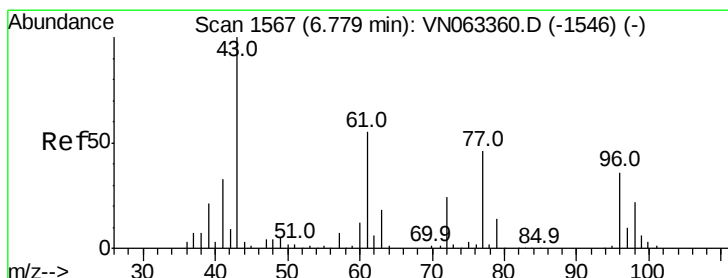
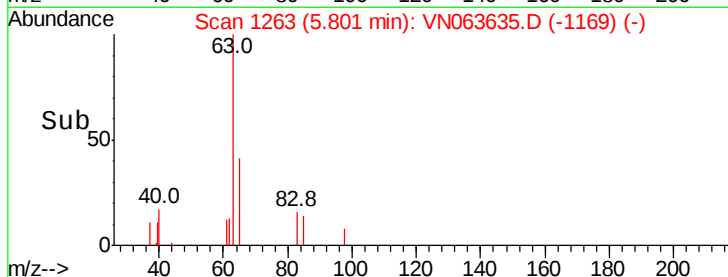
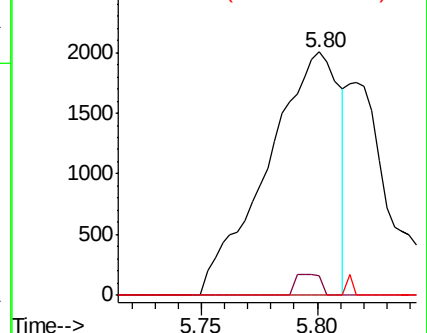
100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 1.272 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

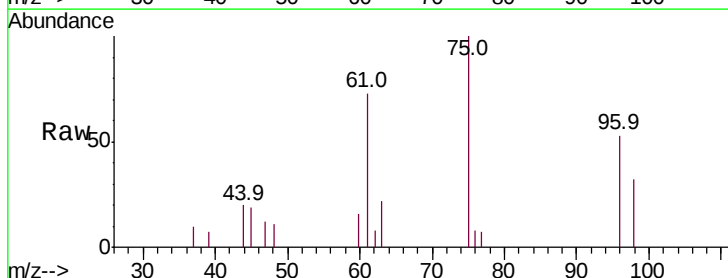
Tgt Ion: 96 Resp: 3724

Ion Ratio Lower Upper

96 100

61 147.3 0.0 319.6

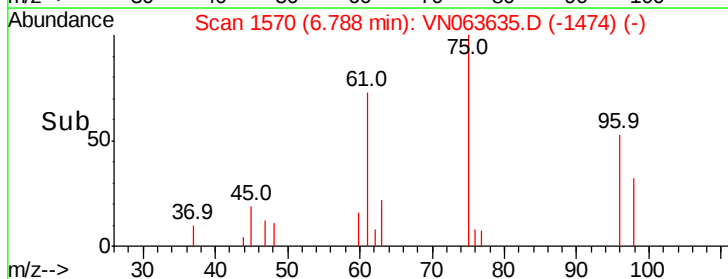
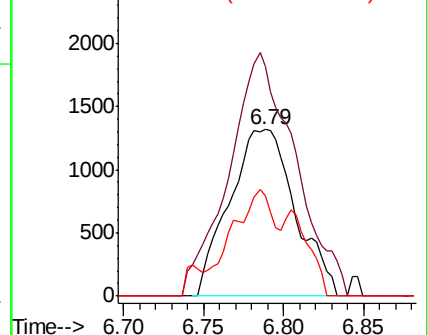
98 42.2 0.0 127.8

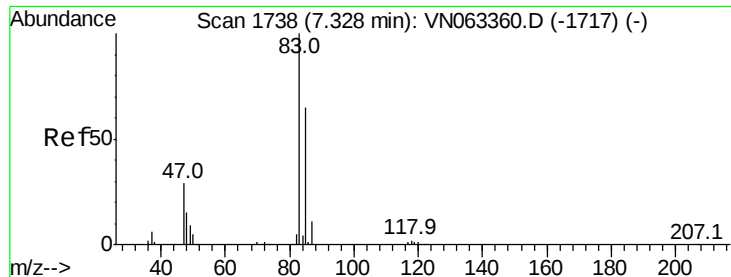


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#30

Chloroform

Concen: 0.381 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

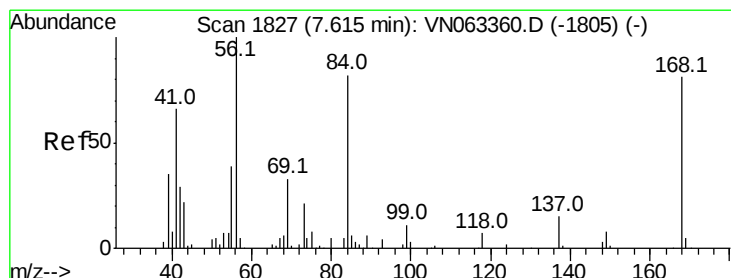
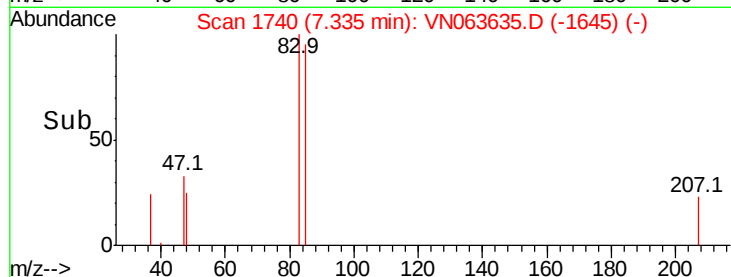
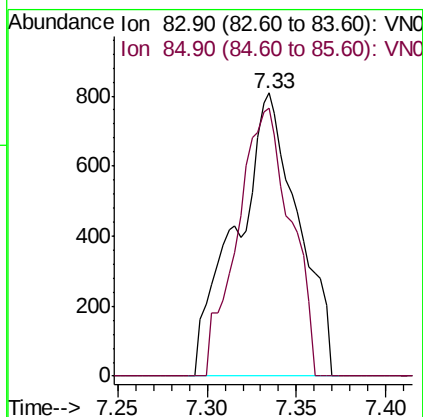
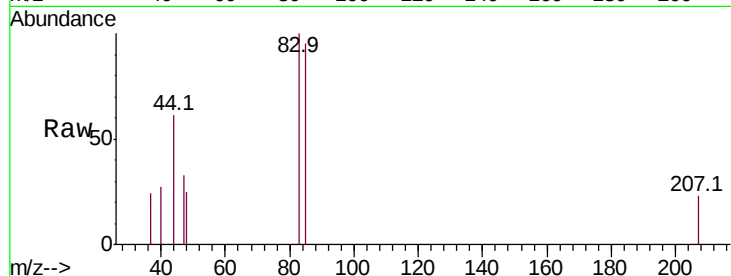
RE126D2-20200921

Tot Ion: 83 Resp: 1967

Ion Ratio Lower Upper

83 100

85 94.6 52.1 78.1#



#31

Cyclohexane

Concen: 1.367 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

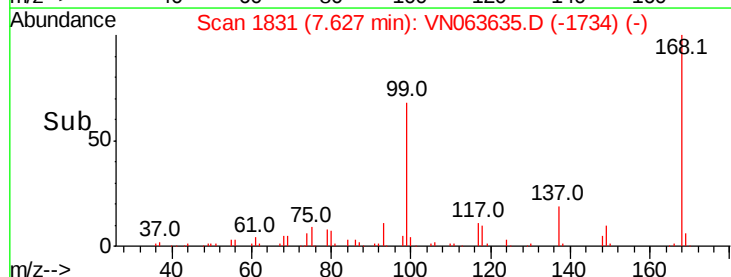
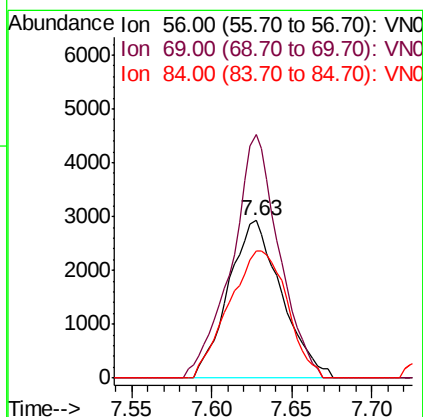
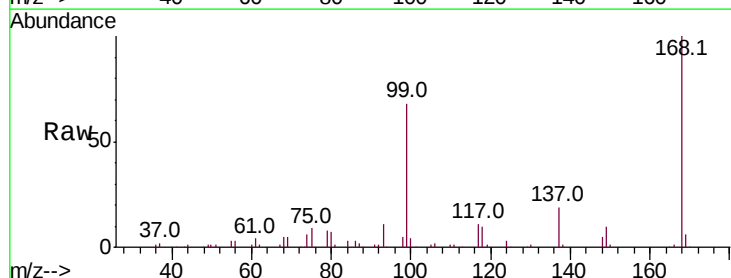
Tgt Ion: 56 Resp: 6648

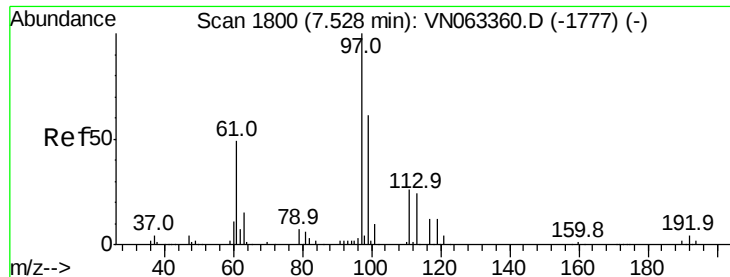
Ion Ratio Lower Upper

56 100

69 154.6 26.1 39.1#

84 80.5 65.4 98.2





#32

1,1,1-Trichloroethane

Concen: 0.455 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

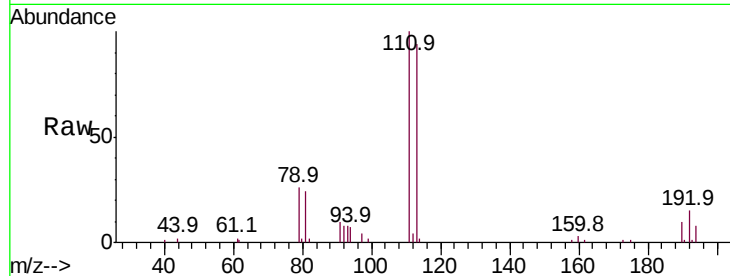
Tot Ion: 97 Resp: 2088

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

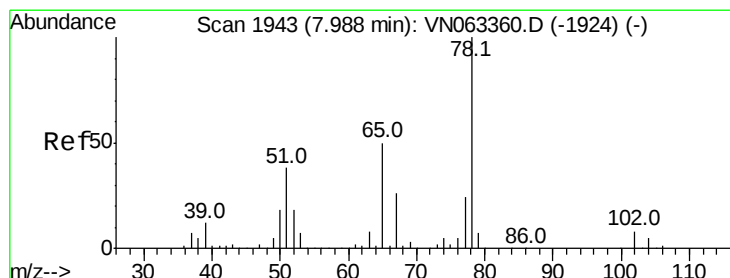
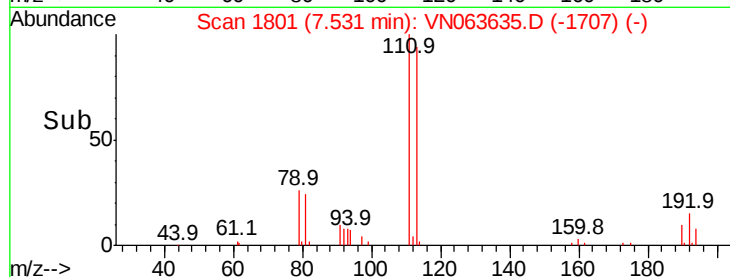
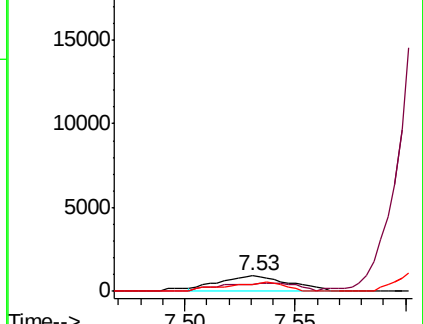
61 46.6 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 50.291 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063635.D

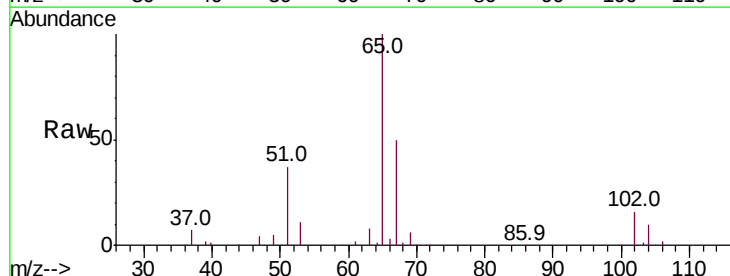
Acq: 24 Sep 2020 17:52

Tgt Ion: 65 Resp: 177122

Ion Ratio Lower Upper

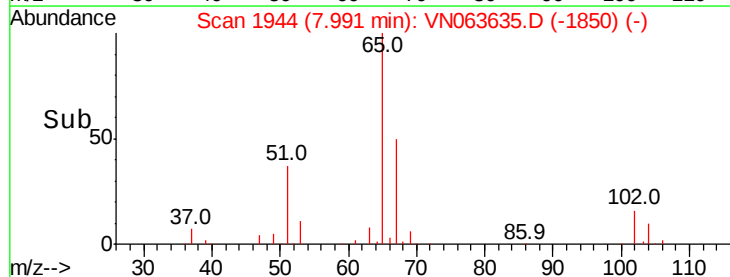
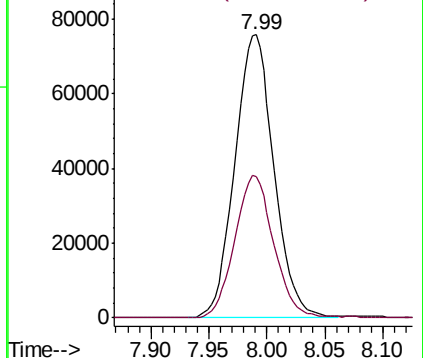
65 100

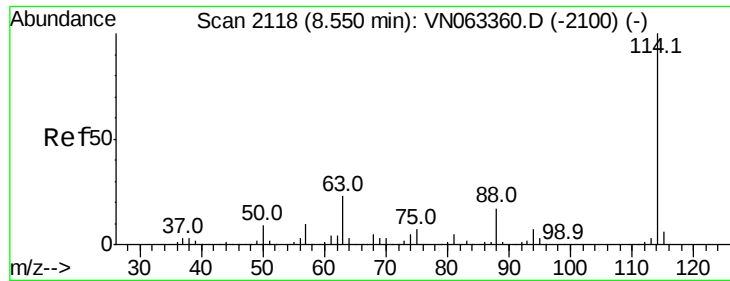
67 49.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

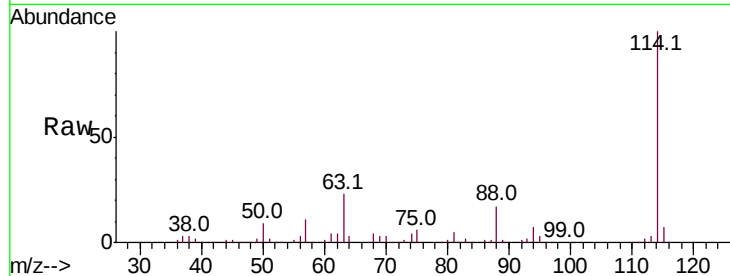




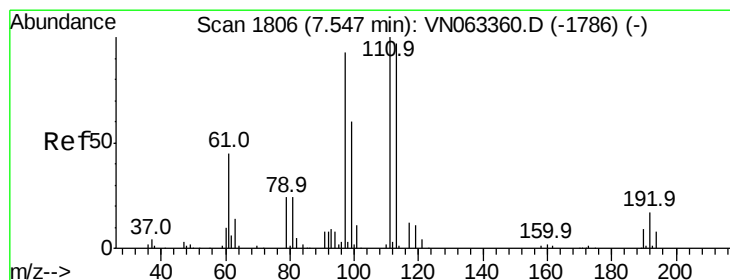
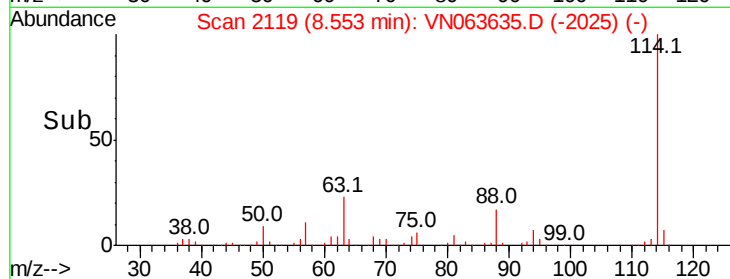
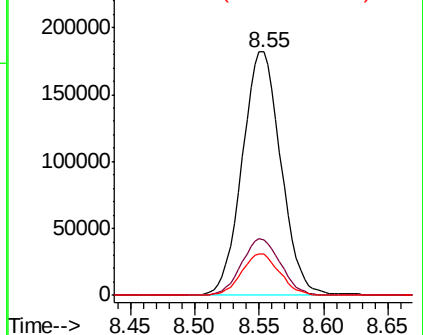
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063635.D
 Acq: 24 Sep 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200921

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	46.4
88	17.0	0.0	33.2

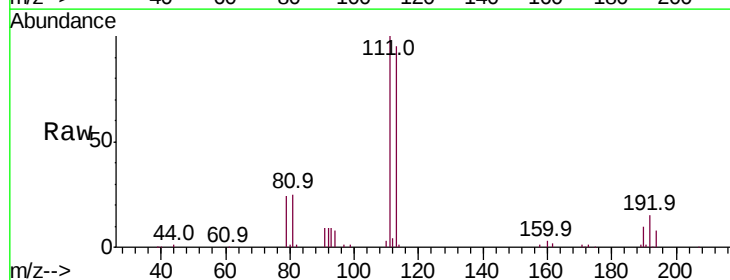


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

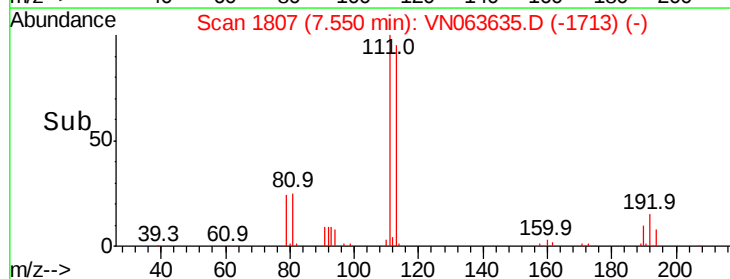
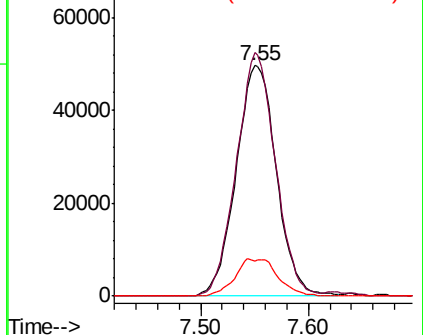


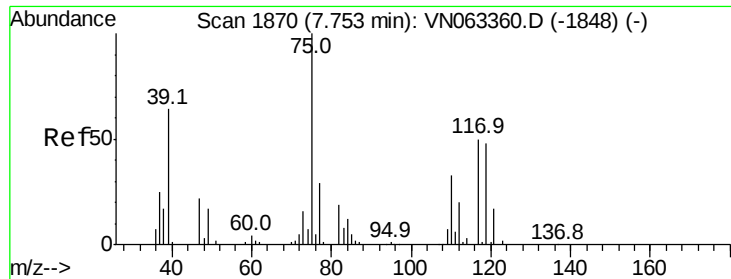
#35
 Dibromofluoromethane
 Concen: 48.762 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063635.D
 Acq: 24 Sep 2020 17:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.9	124.3
192	8.3	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

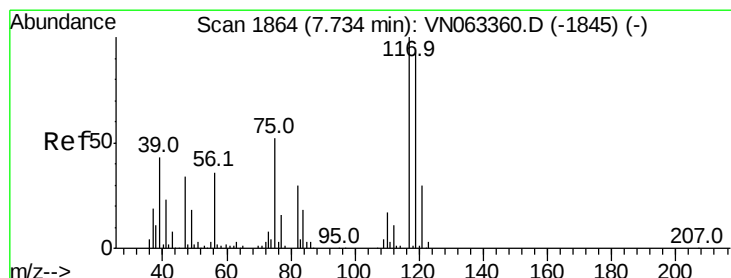
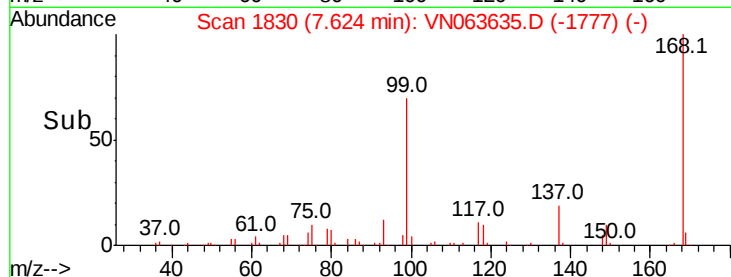
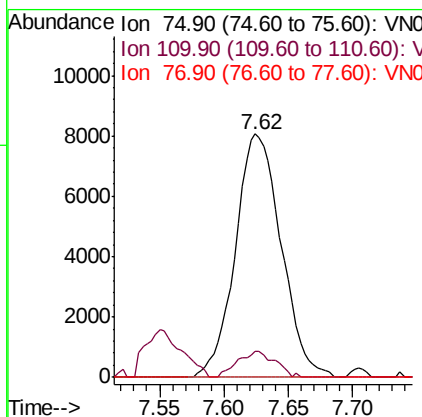
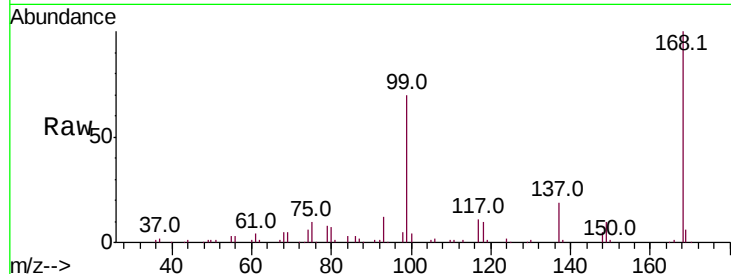




#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063635.D
 Acq: 24 Sep 2020 17:52

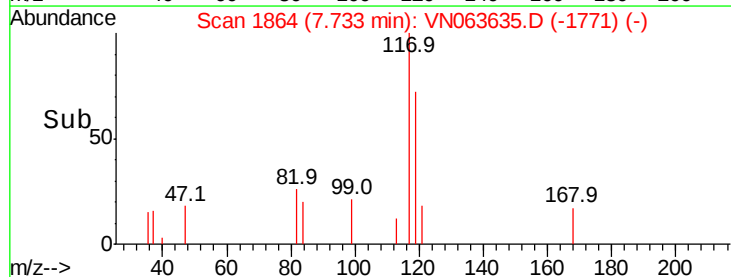
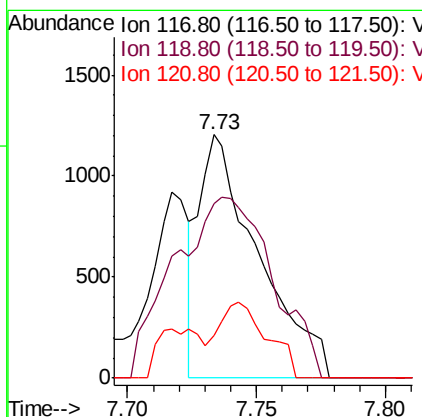
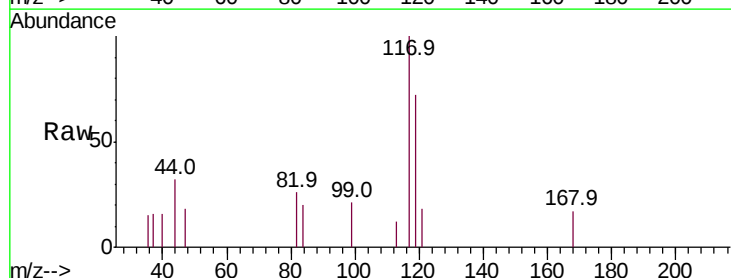
Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200921

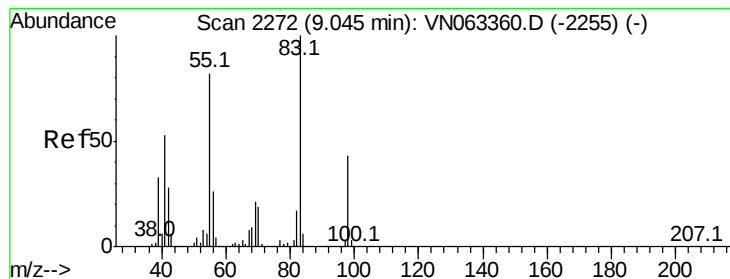
Tot Ion: 75 Resp: 19950
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.5 49.5#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 0.462 ug/l
 RT: 7.73 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN063635.D
 Acq: 24 Sep 2020 17:52

Tgt Ion: 117 Resp: 1916
 Ion Ratio Lower Upper
 117 100
 119 71.6 74.5 111.7#
 121 17.6 24.1 36.1#





#39

Methylcyclohexane

Concen: 4.305 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

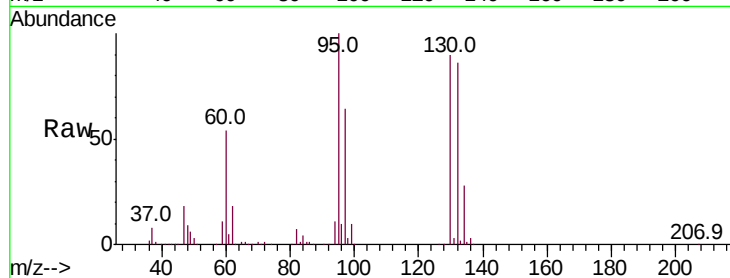
Tot Ion: 83 Resp: 18986

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

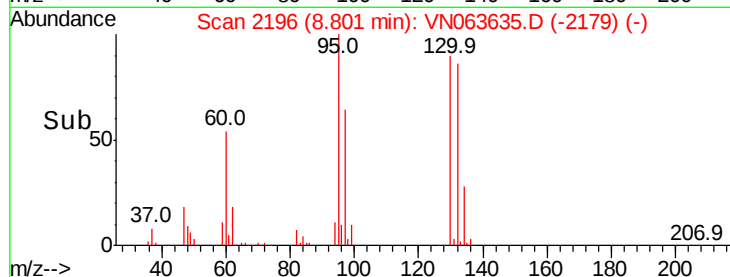
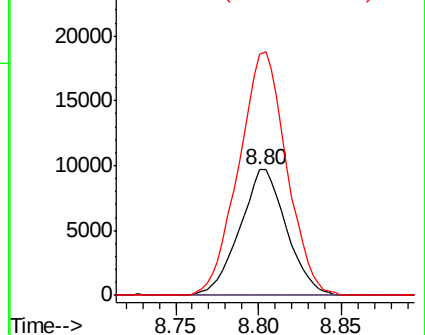
98 192.4 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#44

Trichloroethene

Concen: 467.662 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063635.D

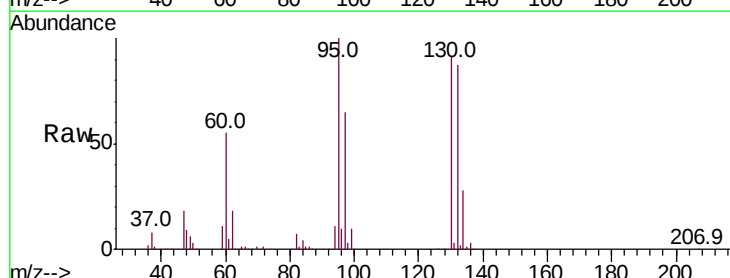
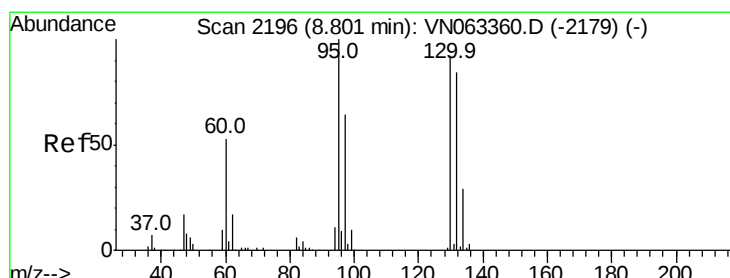
Acq: 24 Sep 2020 17:52

Tgt Ion:130 Resp: 1315764

Ion Ratio Lower Upper

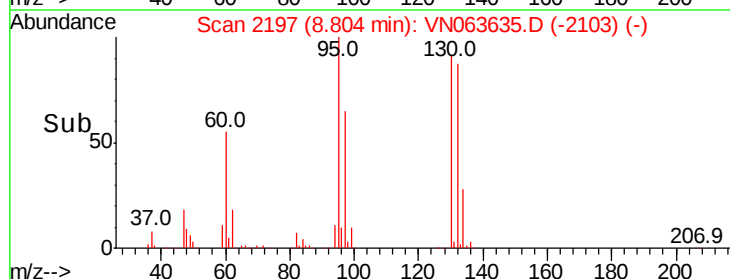
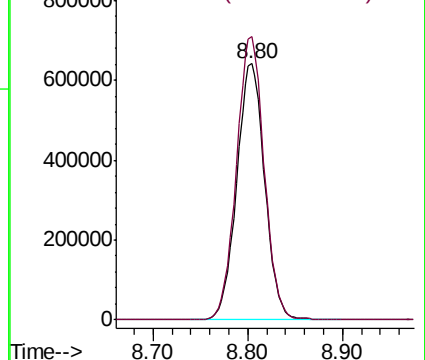
130 100

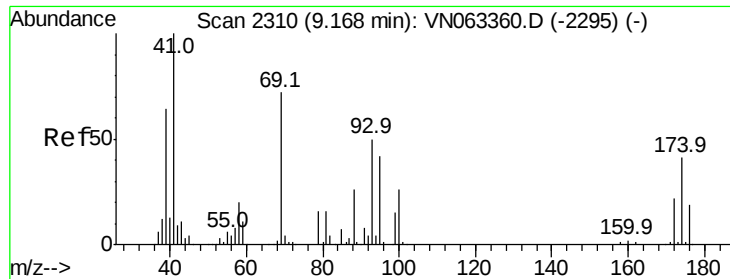
95 110.4 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#49

1,4-Dioxane

Concen: 10.183 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

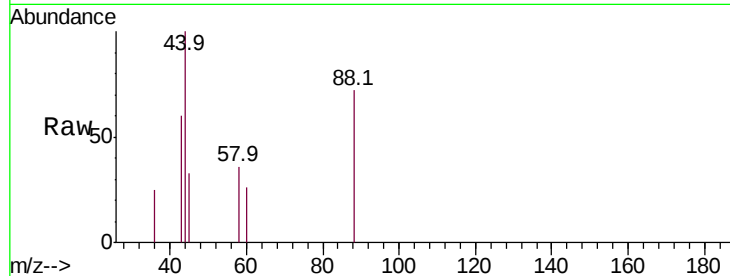
Tot Ion: 88 Resp: 512

Ion Ratio Lower Upper

88 100

43 0.0 32.6 49.0#

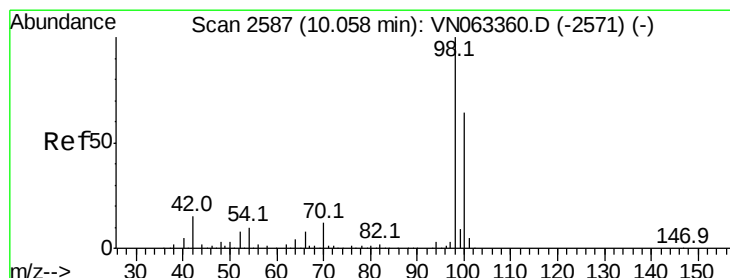
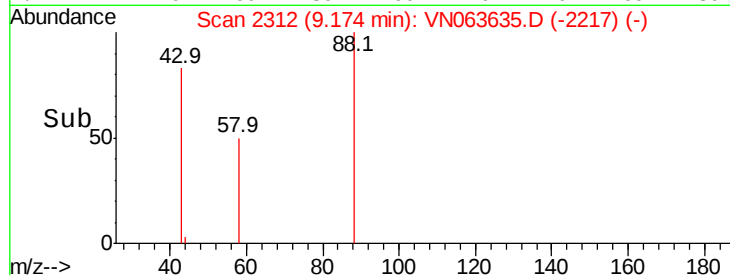
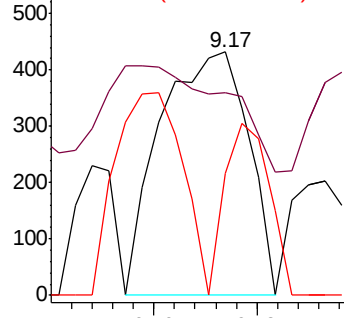
58 35.7 60.0 90.0#



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: 50.386 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063635.D

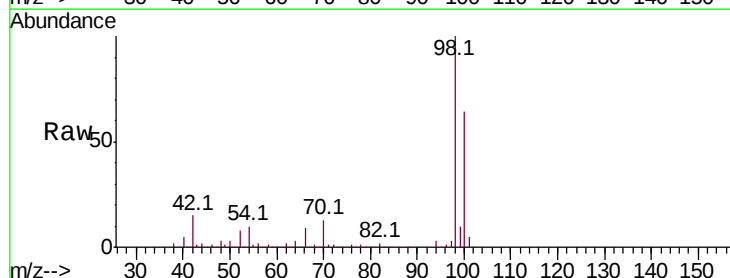
Acq: 24 Sep 2020 17:52

Tgt Ion: 98 Resp: 500272

Ion Ratio Lower Upper

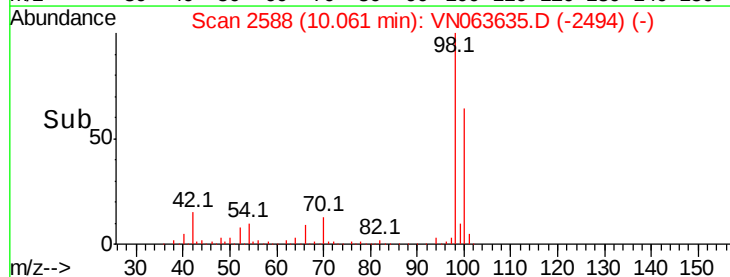
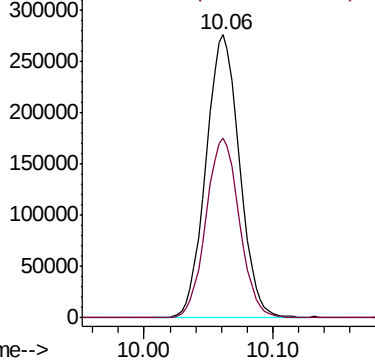
98 100

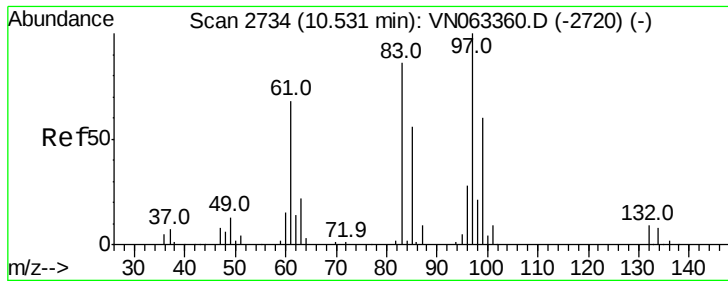
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

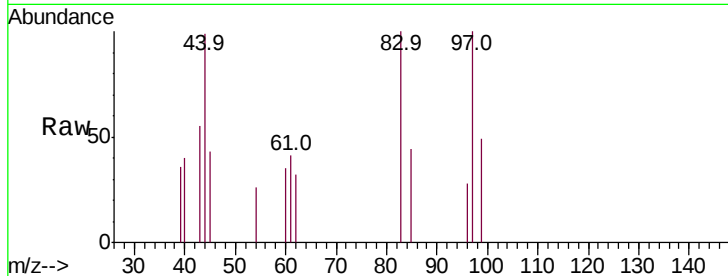




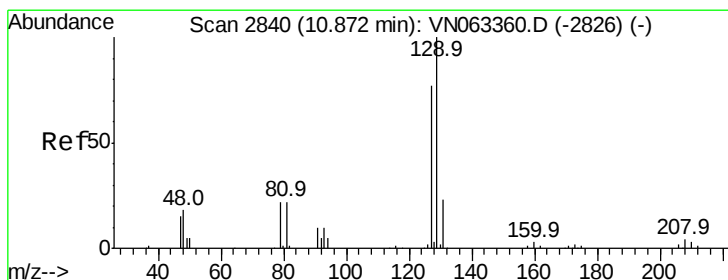
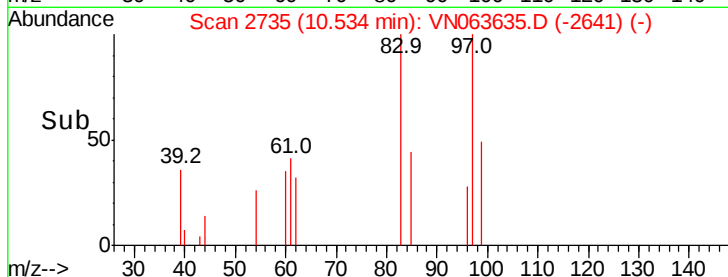
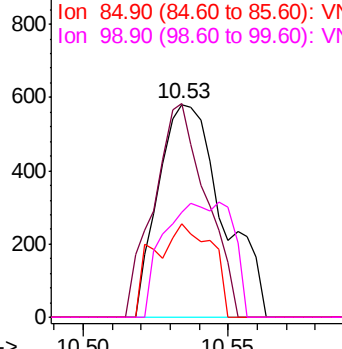
#55
 1,1,2-Trichloroethane
 Concen: 0.323 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063635.D
 Acq: 24 Sep 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200921

Tot Ion: 97 Resp: 895
 Ion Ratio Lower Upper
 97 100
 83 100.2 68.9 103.3
 85 43.6 44.8 67.2#
 99 49.3 47.8 71.8

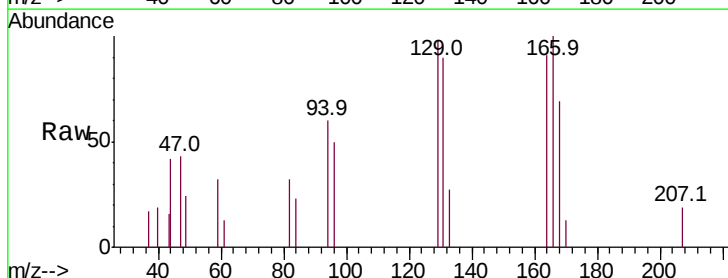


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

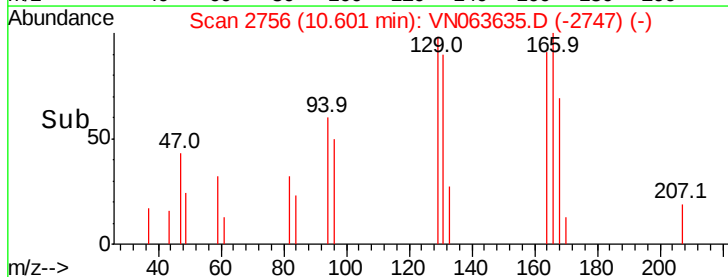
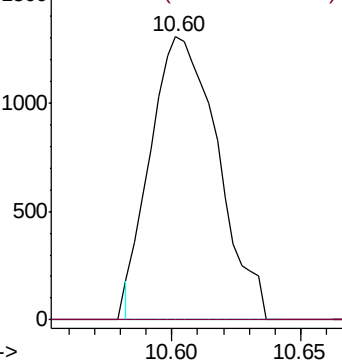


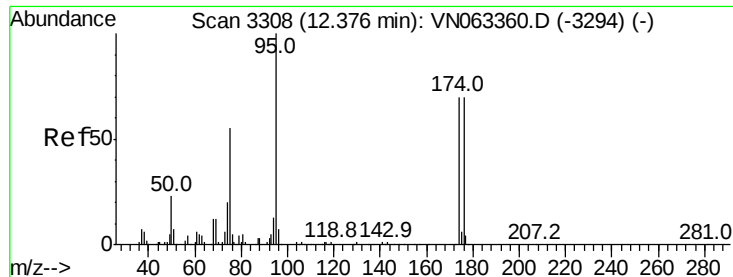
#60
 Dibromochloromethane
 Concen: 0.753 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. -0.27 min
 Lab File: VN063635.D
 Acq: 24 Sep 2020 17:52

Tgt Ion: 129 Resp: 2358
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 54.588 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

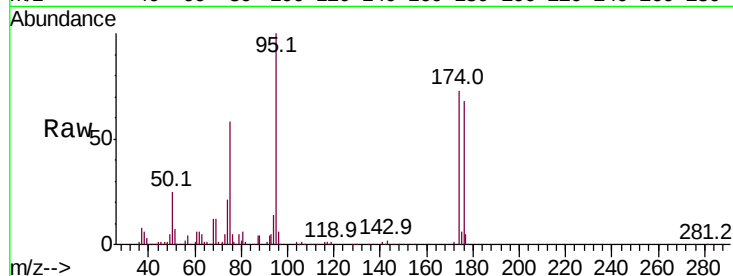
Tot Ion: 95 Resp: 198685

Ion Ratio Lower Upper

95 100

174 72.9 0.0 140.8

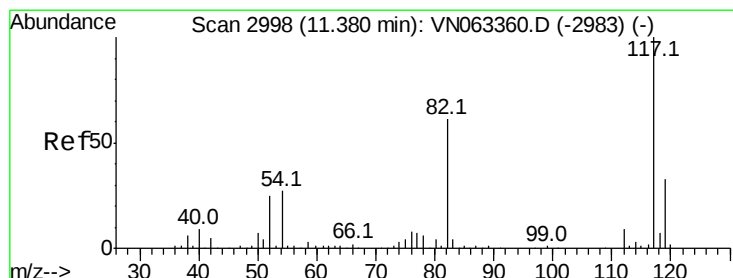
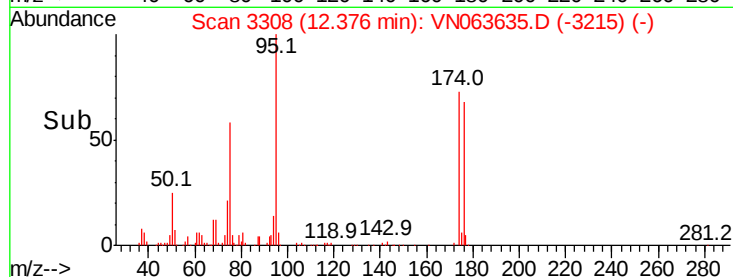
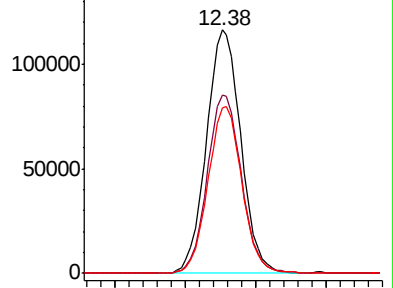
176 67.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

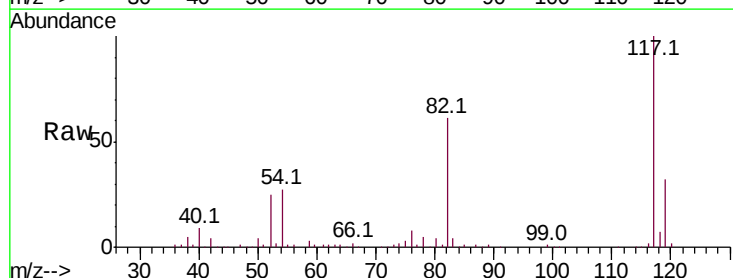
Tgt Ion: 117 Resp: 398583

Ion Ratio Lower Upper

117 100

82 60.6 49.2 73.8

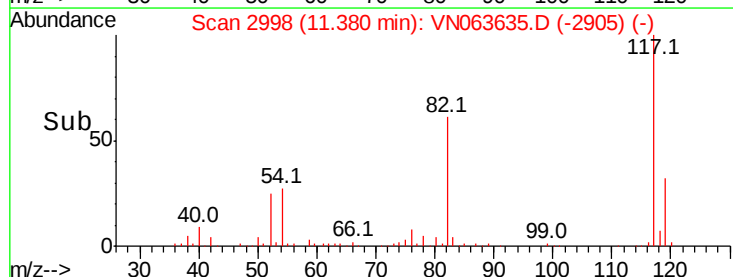
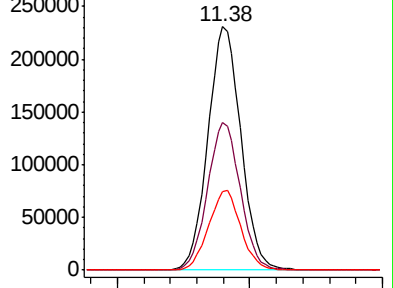
119 32.4 26.2 39.4

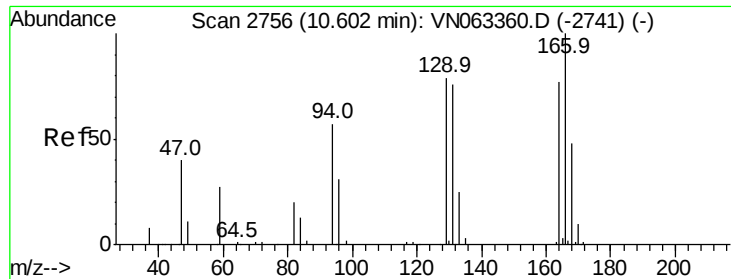


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#64

Tetrachloroethene

Concen: 0.829 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921

Tot Ion:164 Resp: 2249

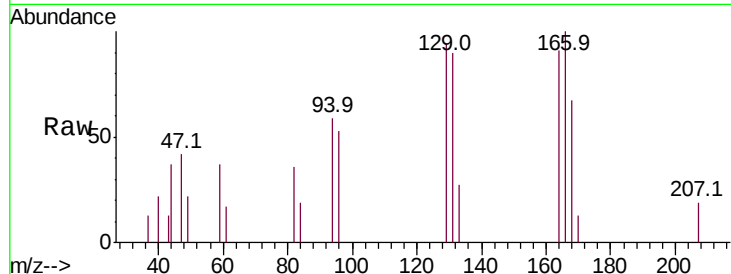
Ion Ratio Lower Upper

164 100

166 109.3 103.4 155.0

129 102.5 81.8 122.6

131 98.3 78.2 117.4



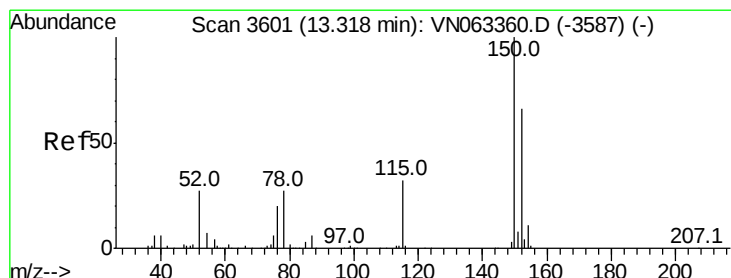
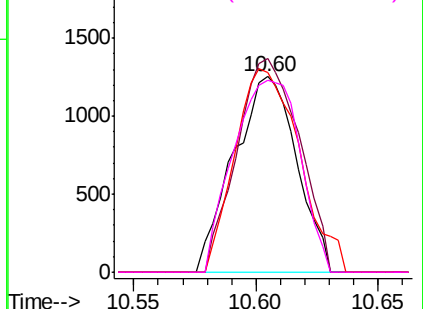
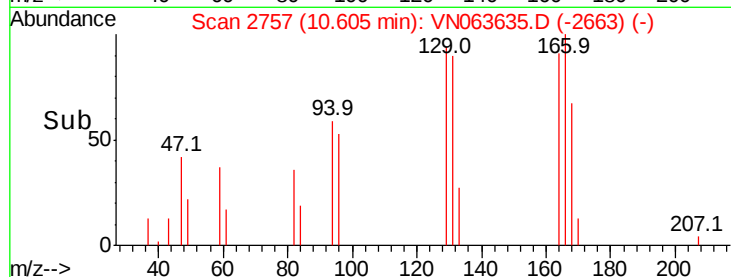
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN063635.D

Acq: 24 Sep 2020 17:52

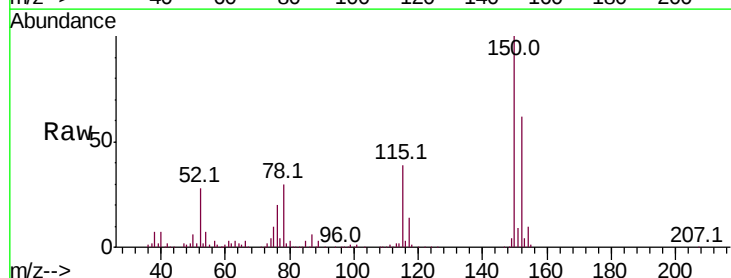
Tgt Ion:152 Resp: 167951

Ion Ratio Lower Upper

152 100

115 63.2 32.2 96.6

150 158.5 0.0 343.4

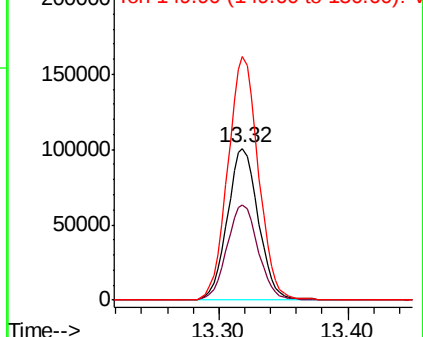
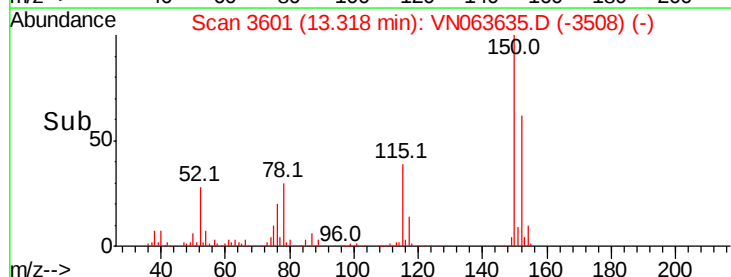


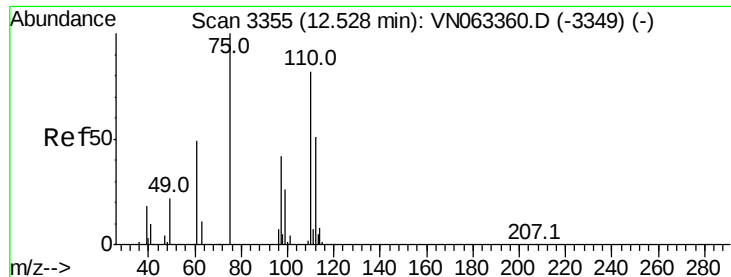
Abundance

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: 26.834 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

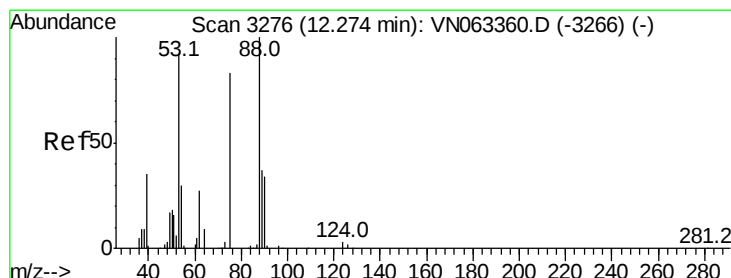
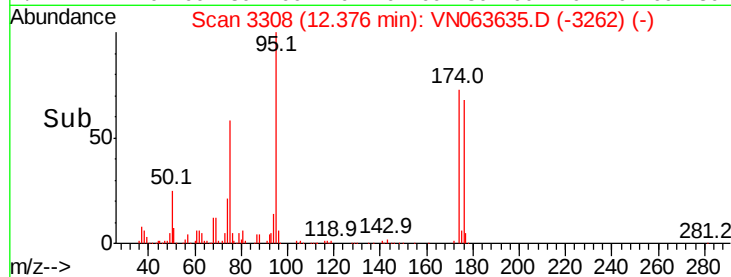
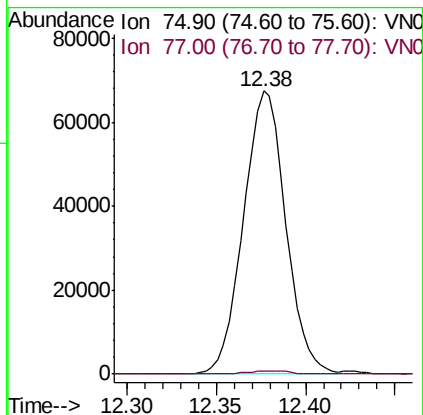
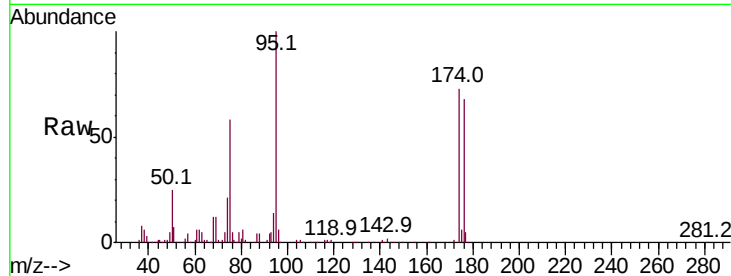
RE126D2-20200921

Tot Ion: 75 Resp: 111550

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.569 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063635.D

Acq: 24 Sep 2020 17:52

Tgt Ion: 75 Resp: 111550

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

