

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063705.D
 Acq On : 28 Sep 2020 15:09
 Operator : JC/MD
 Sample : L4133-02DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1DDL

Quant Time: Sep 29 00:39:48 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	212768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	393624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	421292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186015	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	183660	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	7.55	113	133784	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	10.06	98	525971	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.38	95	217313	57.86	ug/l	0.00
Spiked Amount			Recovery	=	115.72%	

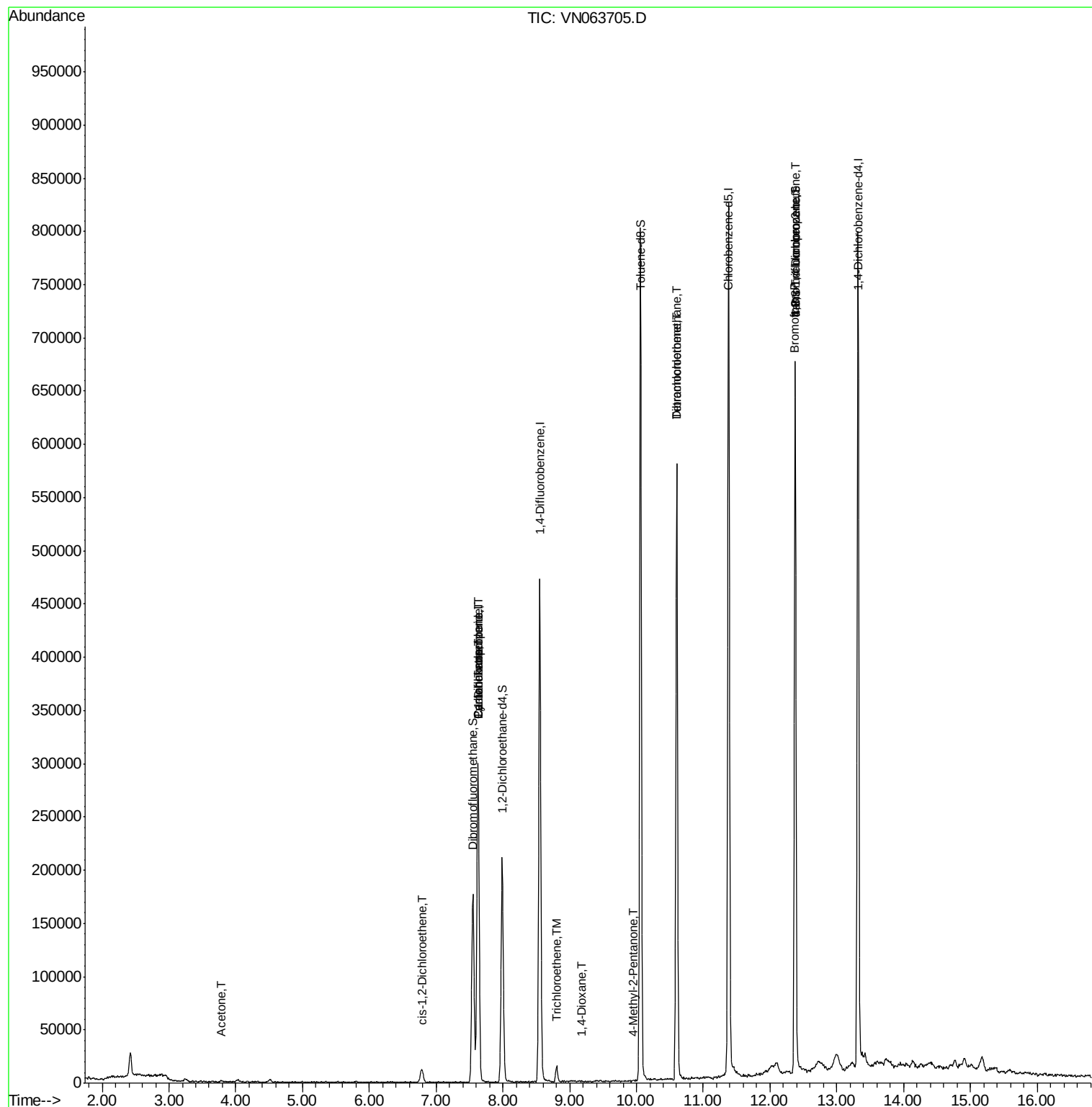
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	1593	1.369	ug/l #	51
27) cis-1,2-Dichloroethene	6.79	96	6264	2.080	ug/l	91
31) Cyclohexane	7.63	56	6182	1.236	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	20140	4.803	ug/l #	52
38) Carbon Tetrachloride	7.63	117	24594	5.745	ug/l #	17
44) Trichloroethene	8.80	130	4701	1.619	ug/l	91
49) 1,4-Dioxane	9.18	88	97	1.869	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	1123	0.273	ug/l #	39
60) Dibromochloromethane	10.60	129	112910	34.960	ug/l #	10
64) Tetrachloroethene	10.60	164	118446	41.289	ug/l	97
71) Bromoform	12.36	173	539	0.221	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	121957	26.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	121957	72.622	ug/l #	7

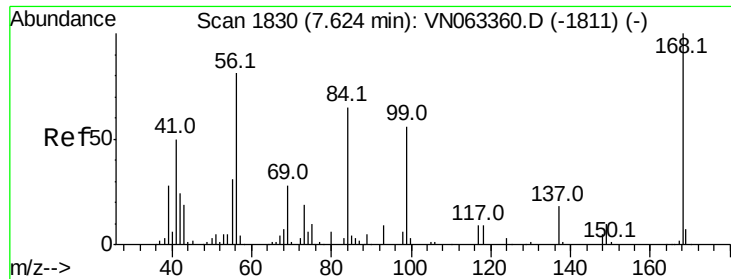
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

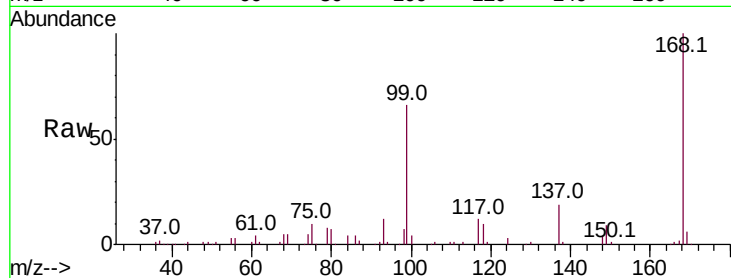
MW1DDL

Tot Ion:168 Resp: 212768

Ion Ratio Lower Upper

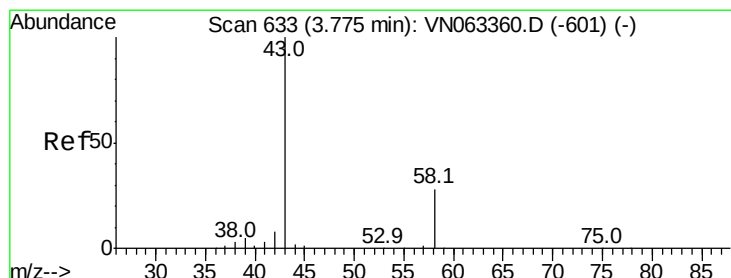
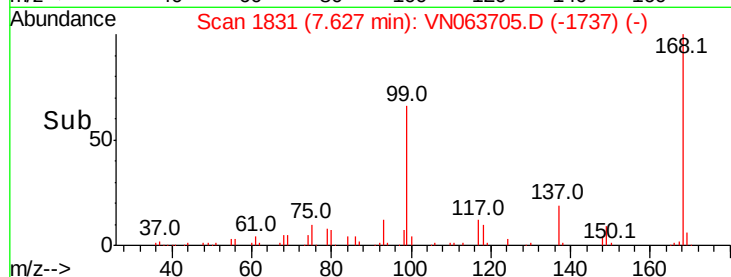
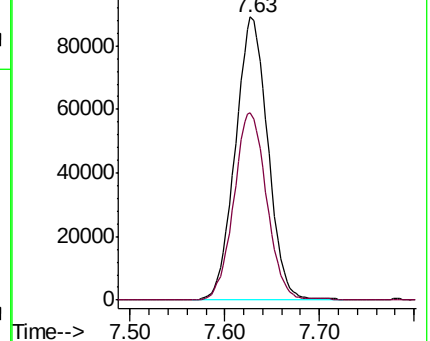
168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.369 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063705.D

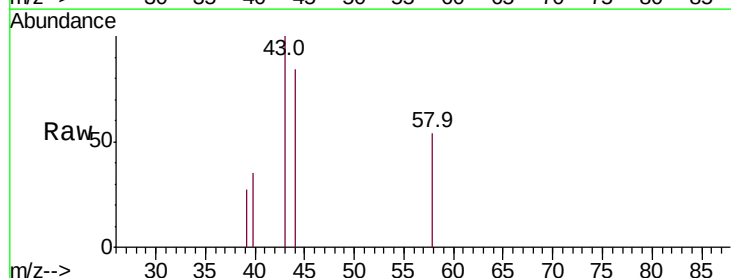
Acq: 28 Sep 2020 15:09

Tgt Ion: 43 Resp: 1593

Ion Ratio Lower Upper

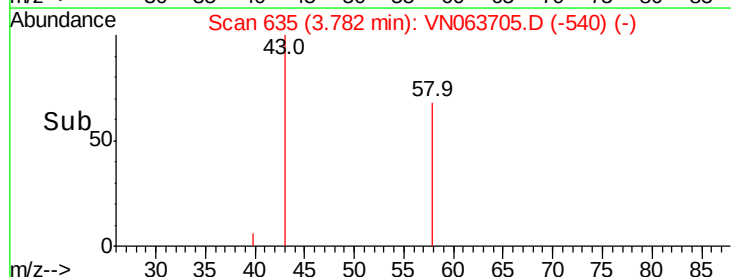
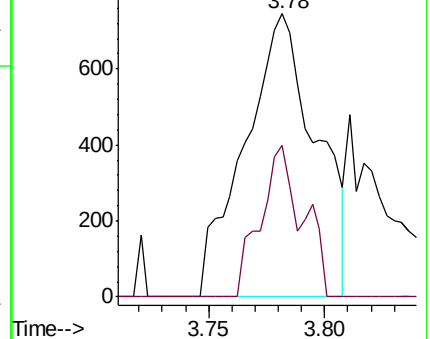
43 100

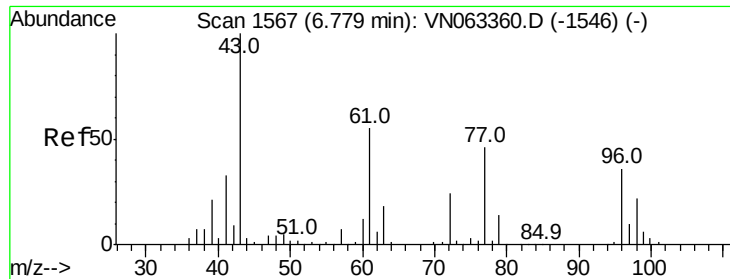
58 53.7 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#27

cis-1,2-Dichloroethene

Concen: 2.080 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW1DDL

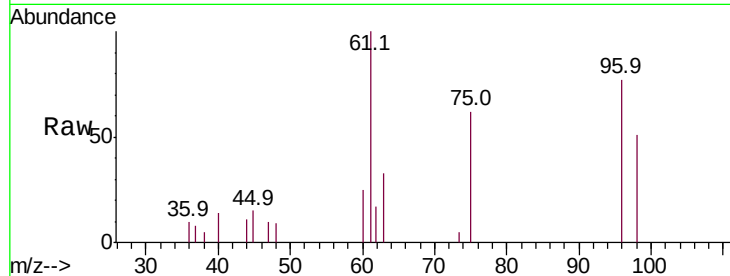
Tot Ion: 96 Resp: 6264

Ion Ratio Lower Upper

96 100

61 146.4 0.0 319.6

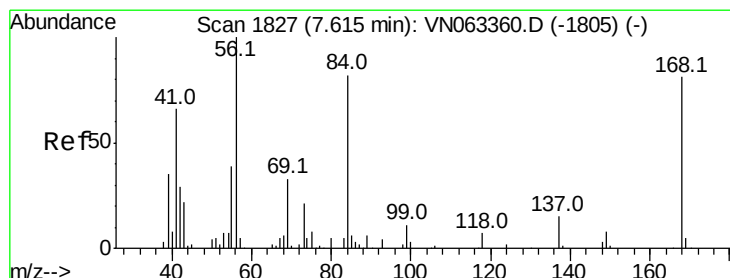
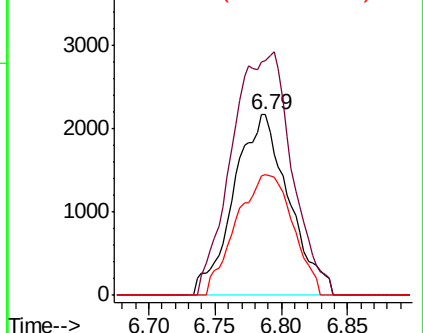
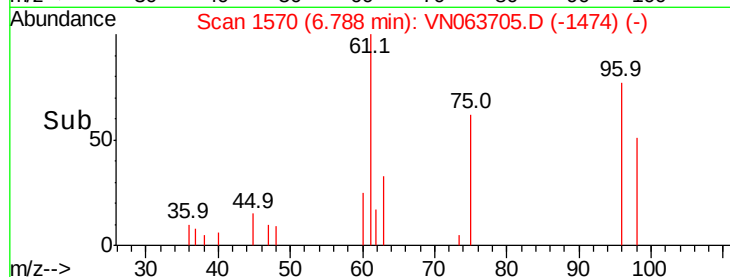
98 68.5 0.0 127.8



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



#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

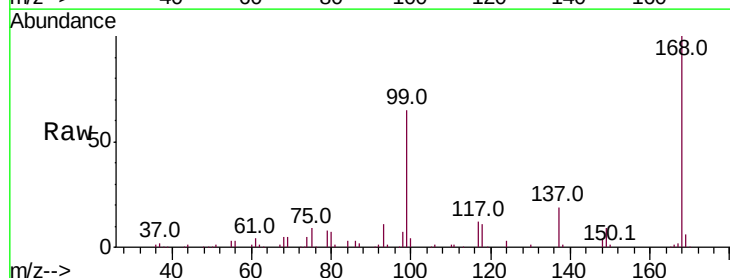
Tgt Ion: 56 Resp: 6182

Ion Ratio Lower Upper

56 100

69 158.3 26.1 39.1#

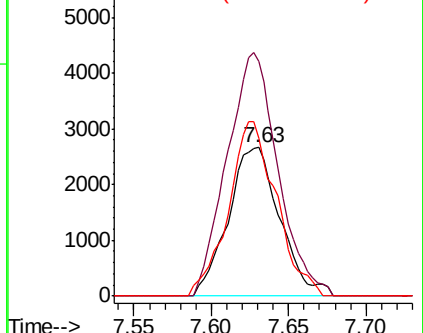
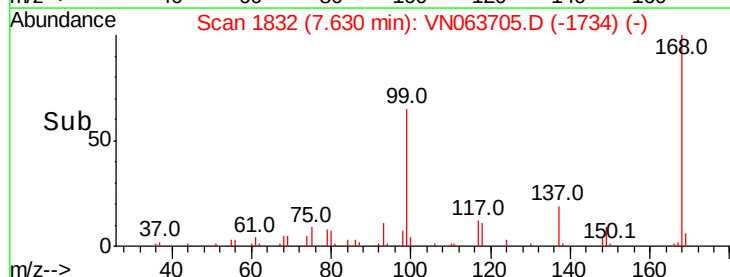
84 106.6 65.4 98.2#

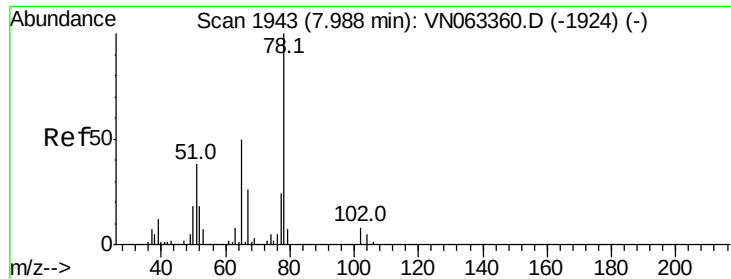


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

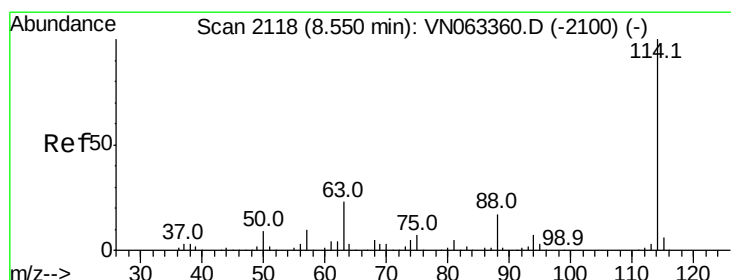
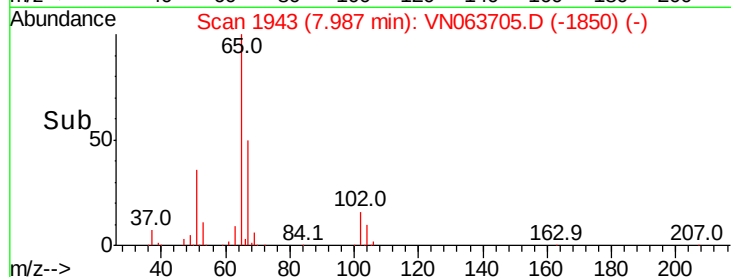
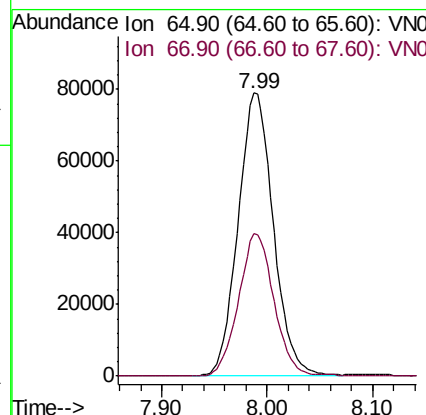
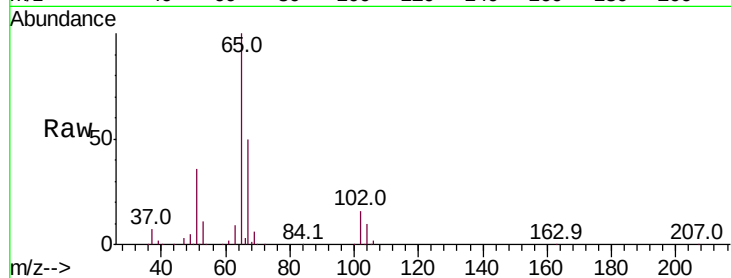




#33
 1,2-Dichloroethane-d4
 Concen: 50.709 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063705.D
 Acq: 28 Sep 2020 15:09

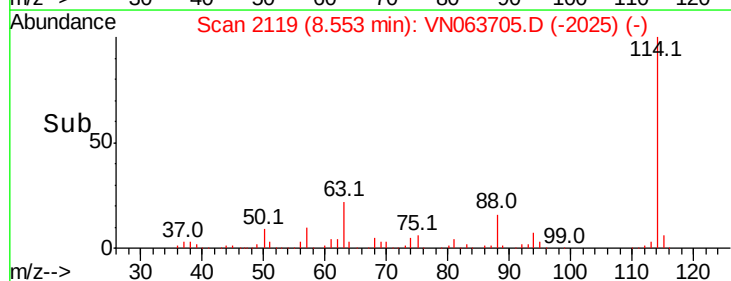
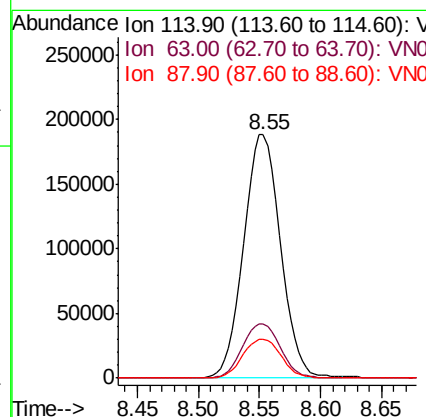
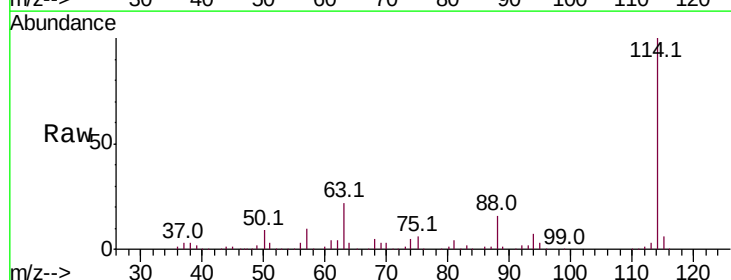
Instrument :
 MSVOA_N
 ClientSampleId :
 MW1DDL

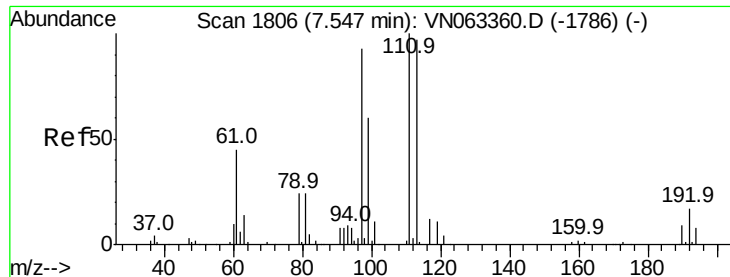
Tot Ion: 65 Resp: 183660
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063705.D
 Acq: 28 Sep 2020 15:09

Tgt Ion: 114 Resp: 393624
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.4
 88 16.1 0.0 33.2

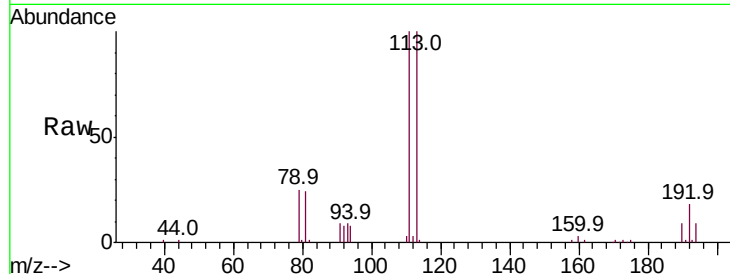




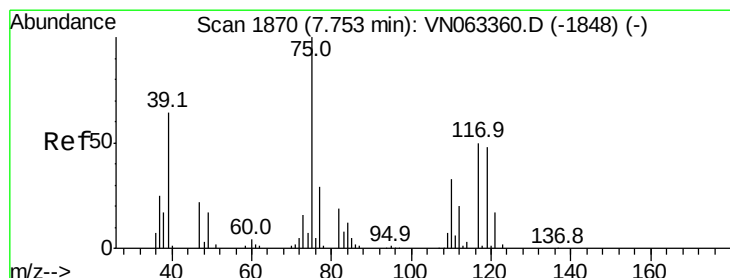
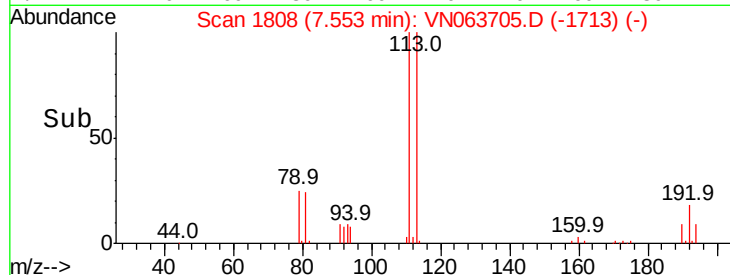
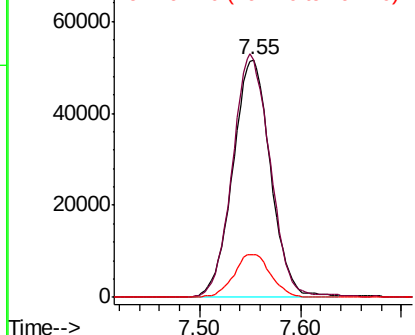
#35
 Dibromofluoromethane
 Concen: 49.095 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063705.D
 Acq: 28 Sep 2020 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1DDL

Tot Ion:113 Resp: 133784
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 17.7 13.9 20.9

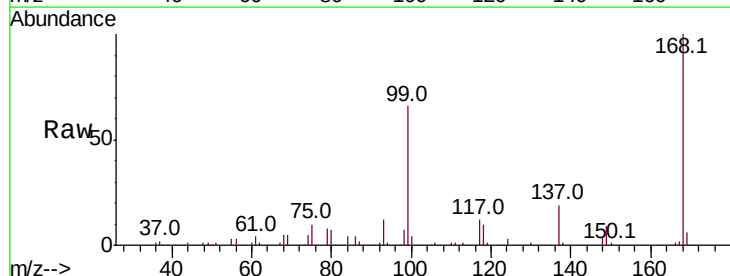


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

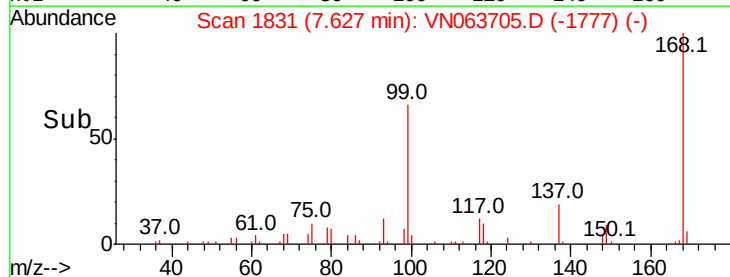
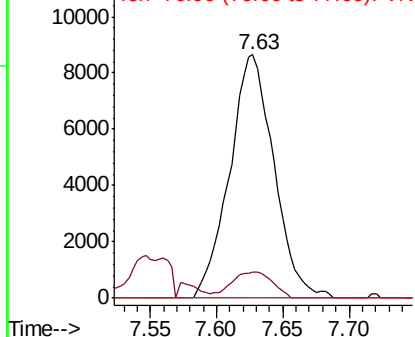


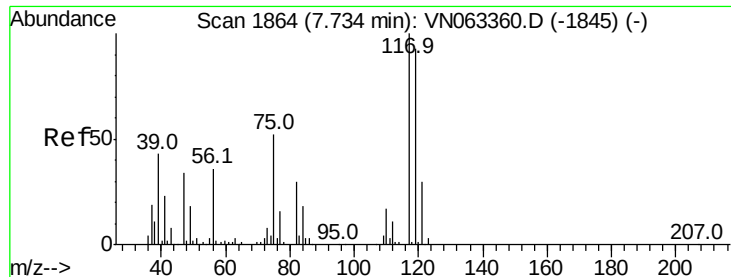
#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063705.D
 Acq: 28 Sep 2020 15:09

Tgt Ion: 75 Resp: 20140
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.5 49.5#
 77 0.0 24.6 36.8#



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





#38

Carbon Tetrachloride

Concen: 5.745 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW1DDL

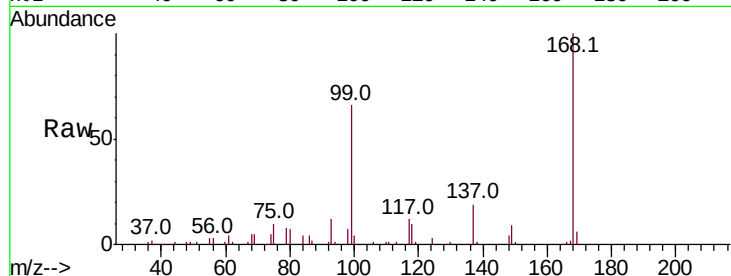
Tot Ion:117 Resp: 24594

Ion Ratio Lower Upper

117 100

119 4.6 74.5 111.7#

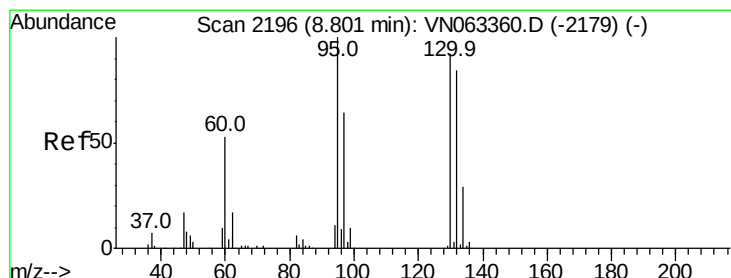
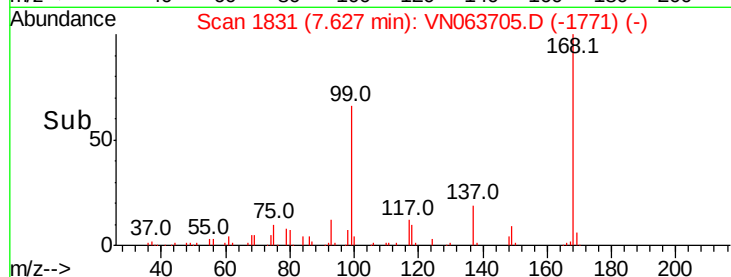
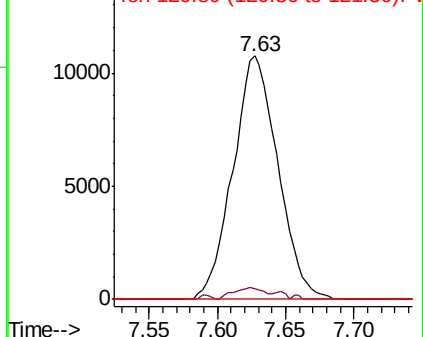
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 1.619 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063705.D

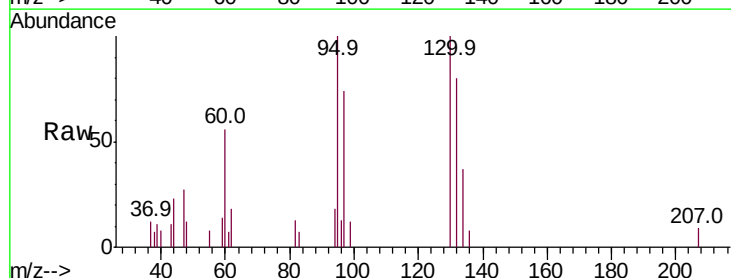
Acq: 28 Sep 2020 15:09

Tgt Ion:130 Resp: 4701

Ion Ratio Lower Upper

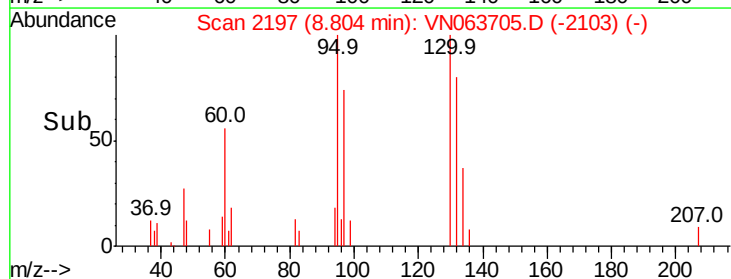
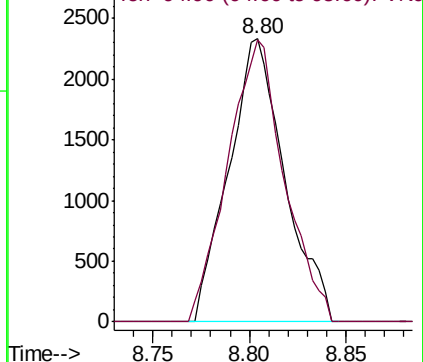
130 100

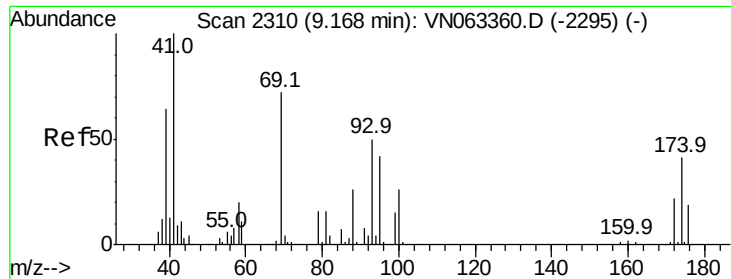
95 99.5 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 1.869 ug/l

RT: 9.18 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

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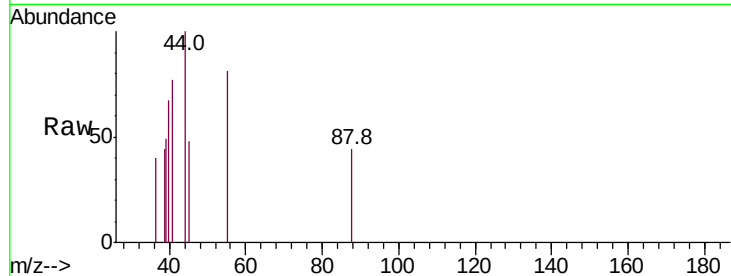
Tot Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 424.7 32.6 49.0#

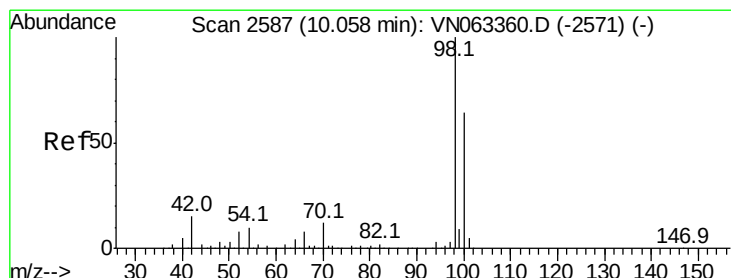
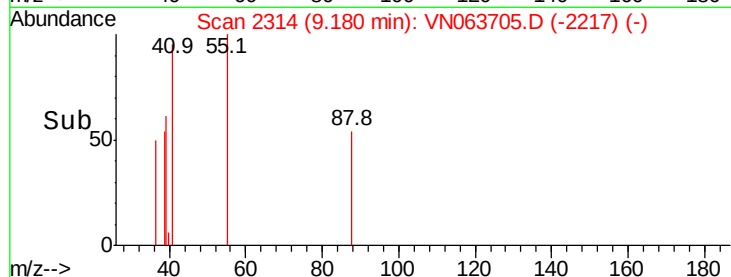
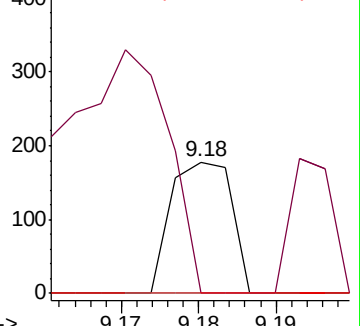
58 0.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.332 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063705.D

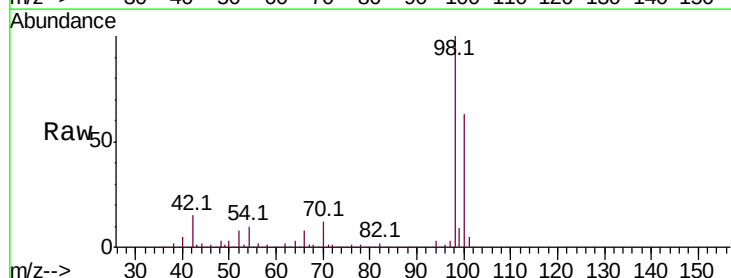
Acq: 28 Sep 2020 15:09

Tgt Ion: 98 Resp: 525971

Ion Ratio Lower Upper

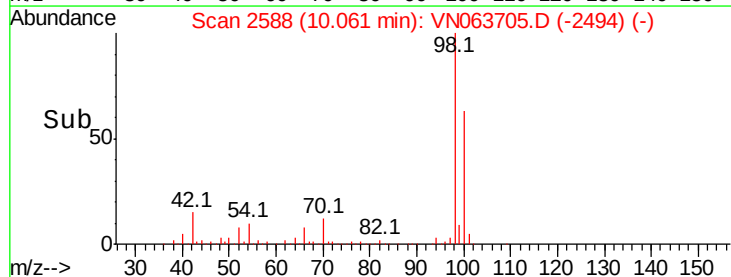
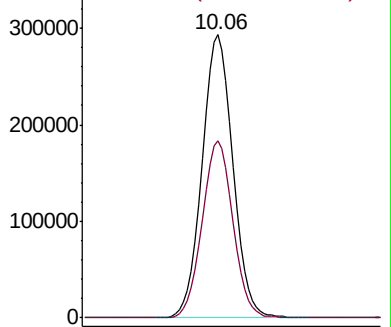
98 100

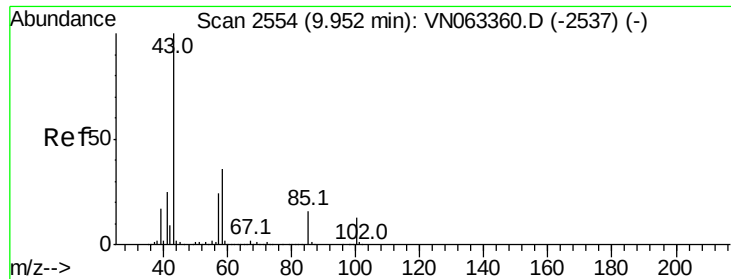
100 62.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.273 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

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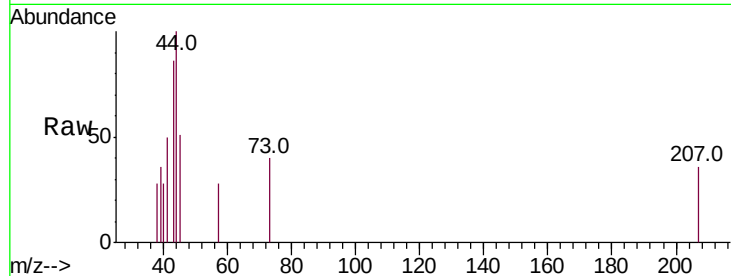
MW1DDL

Tot Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

9.95

500

400

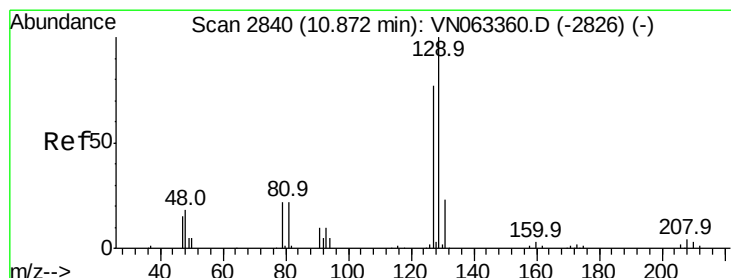
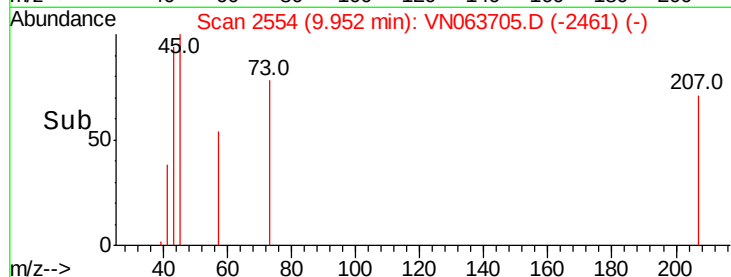
300

200

100

0

Time-->



#60

Dibromochloromethane

Concen: 34.960 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063705.D

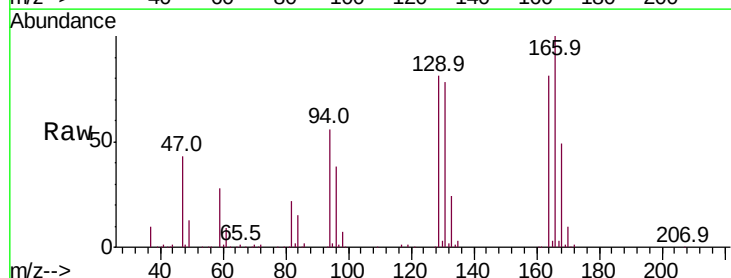
Acq: 28 Sep 2020 15:09

Tgt Ion: 129 Resp: 112910

Ion Ratio Lower Upper

129 100

127 0.2 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VN063360.D (-2826) (-)

Ion 126.80 (126.50 to 127.50): VN063360.D (-2826) (-)

10.60

80000

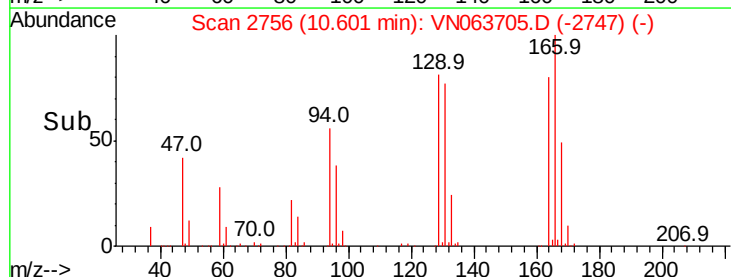
60000

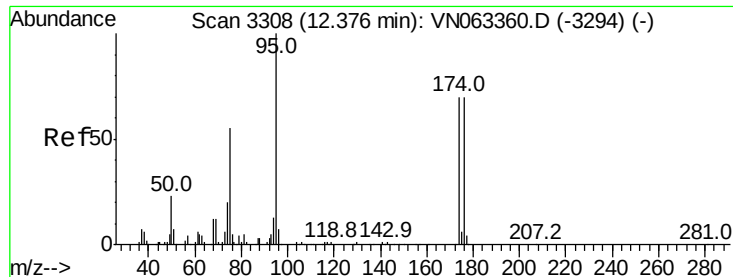
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 57.855 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW1DDL

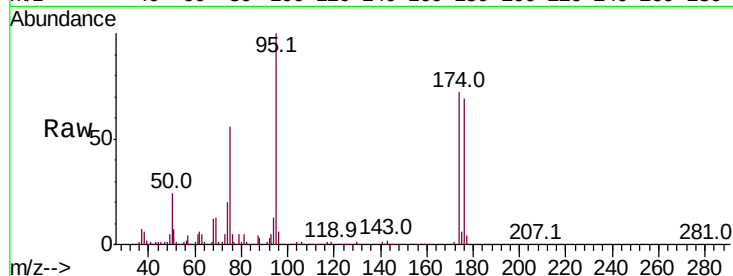
Tot Ion: 95 Resp: 217313

Ion Ratio Lower Upper

95 100

174 73.6 0.0 140.8

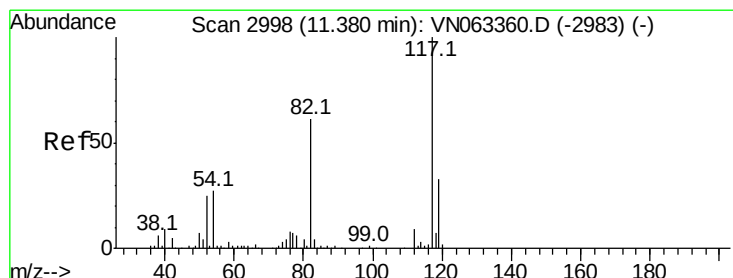
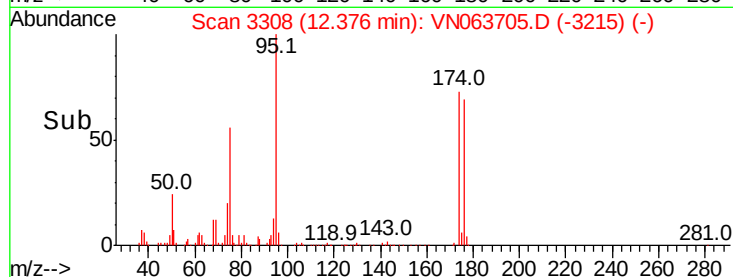
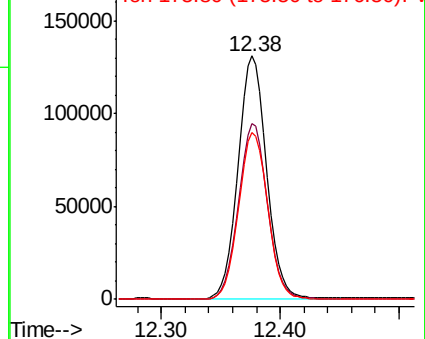
176 70.3 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063705.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063705.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063705.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

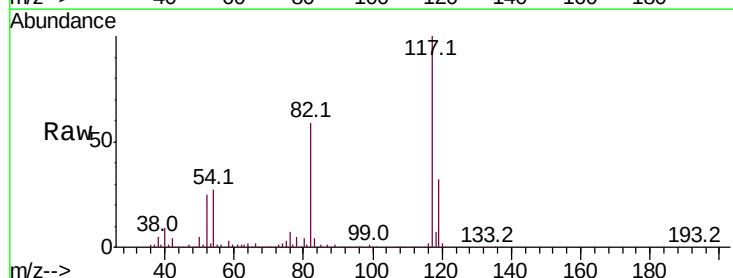
Tgt Ion: 117 Resp: 421292

Ion Ratio Lower Upper

117 100

82 58.9 49.2 73.8

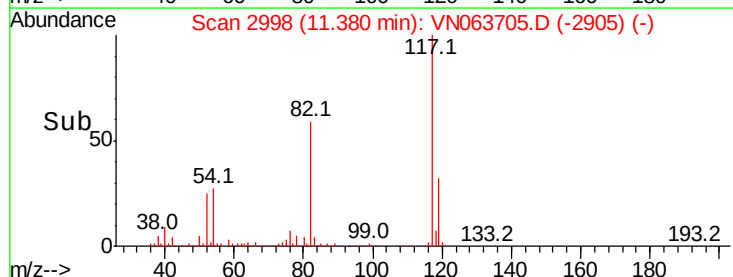
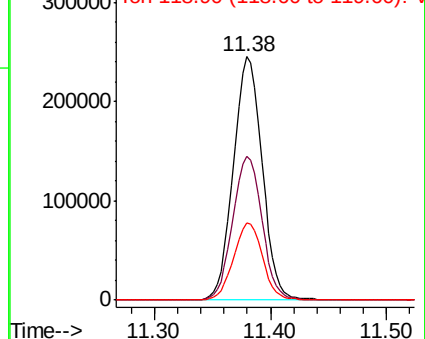
119 31.5 26.2 39.4

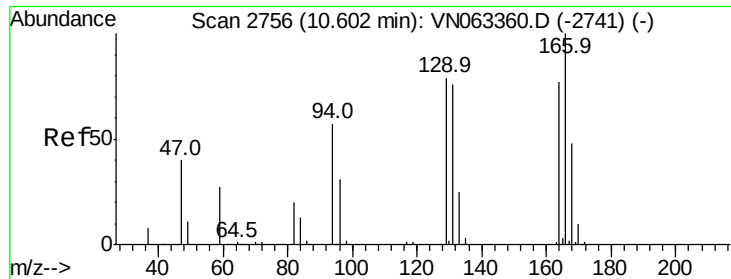


Abundance Ion 116.90 (116.60 to 117.60): VN063705.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063705.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063705.D (-2905) (-)





#64

Tetrachloroethene

Concen: 41.289 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW1DDL

Tot Ion:164 Resp: 118446

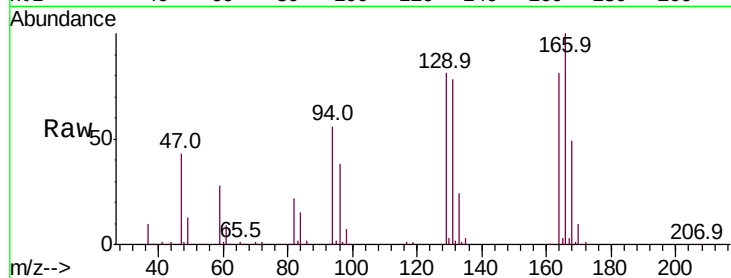
Ion Ratio Lower Upper

164 100

166 124.1 103.4 155.0

129 100.6 81.8 122.6

131 96.7 78.2 117.4

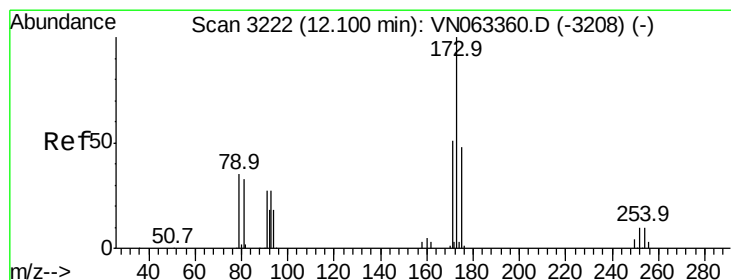
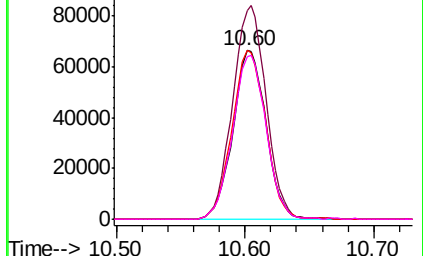
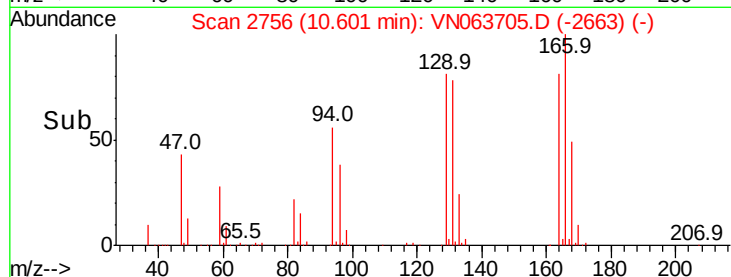


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.221 ug/l

RT: 12.36 min Scan# 3304

Delta R.T. 0.26 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

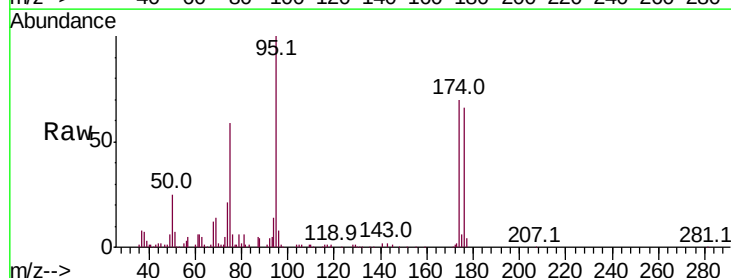
Tgt Ion:173 Resp: 539

Ion Ratio Lower Upper

173 100

175 1937.8 24.0 72.0#

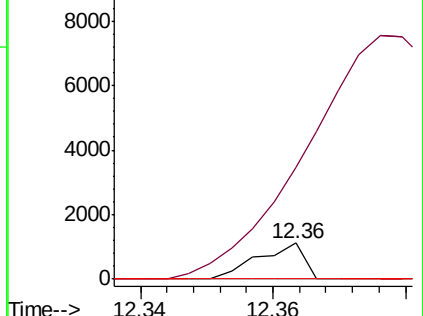
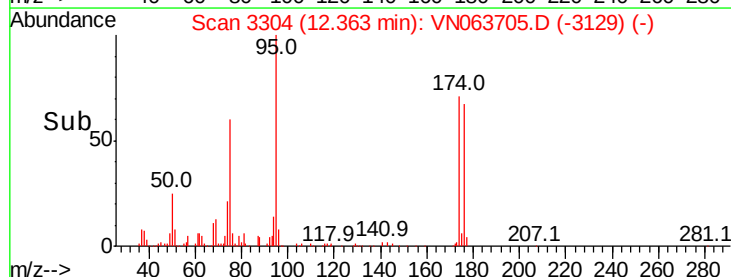
254 0.0 0.0 0.0

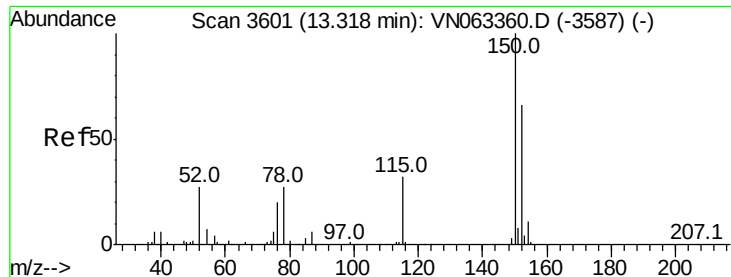


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW1DDL

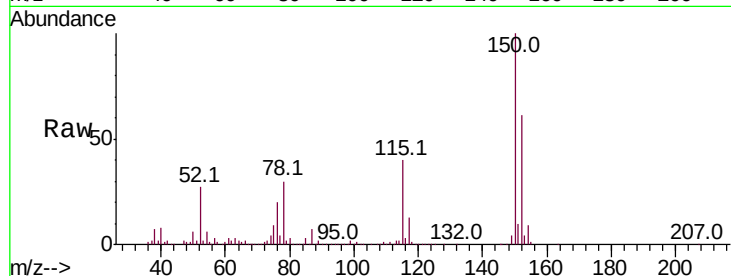
Tot Ion:152 Resp: 186015

Ion Ratio Lower Upper

152 100

115 65.2 32.2 96.6

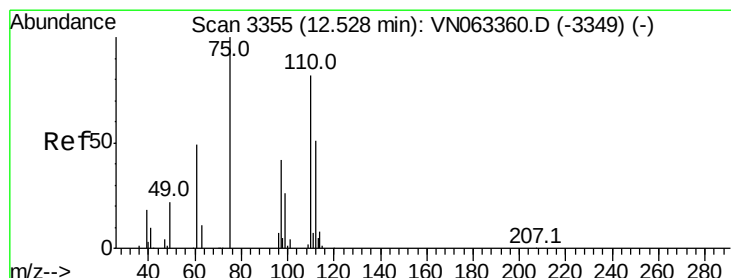
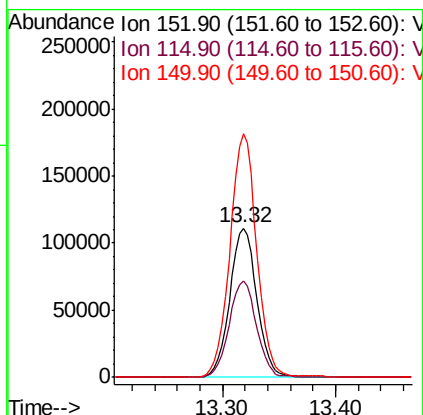
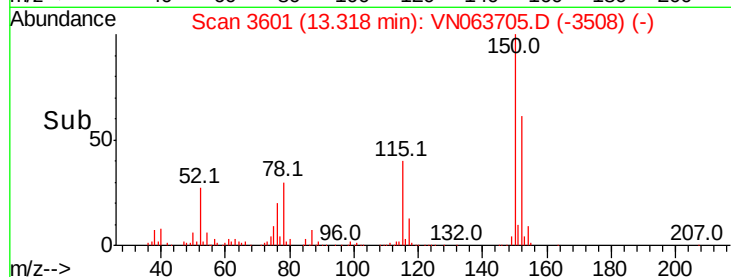
150 160.1 0.0 343.4



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: 26.489 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063705.D

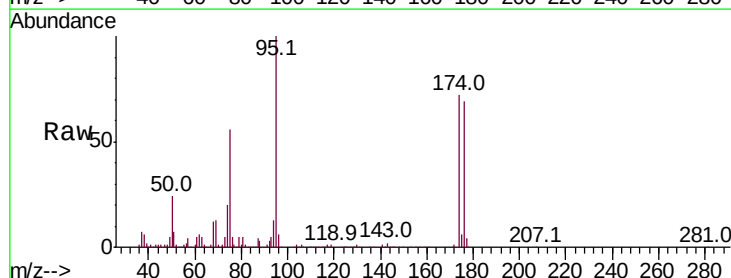
Acq: 28 Sep 2020 15:09

Tgt Ion: 75 Resp: 121957

Ion Ratio Lower Upper

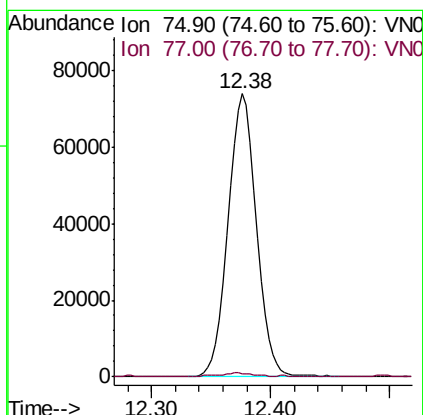
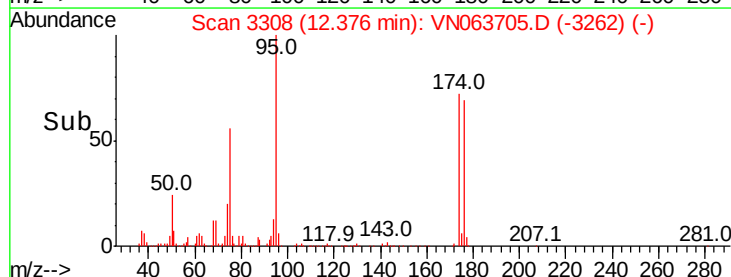
75 100

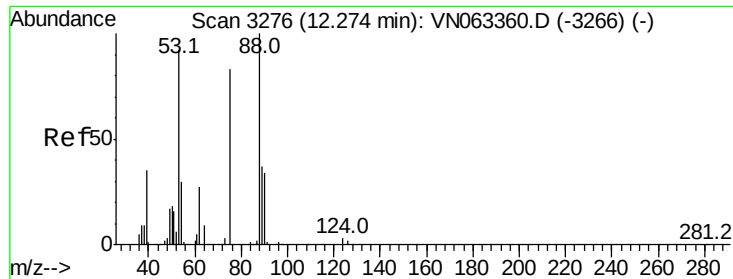
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.622 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063705.D

Acq: 28 Sep 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW1DDL

Tot Ion: 75 Resp: 121957

Ion Ratio Lower Upper

75 100

53 0.2 85.7 128.5#

89 0.0 38.0 57.0#

