

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063628.D
 Acq On : 24 Sep 2020 15:04
 Operator : JC/MD
 Sample : L4083-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20200916DL

Quant Time: Sep 25 03:49:15 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	191864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	350692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	359533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158604	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	164762	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	7.55	113	117596	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.06	98	456700	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.38	95	182548	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	

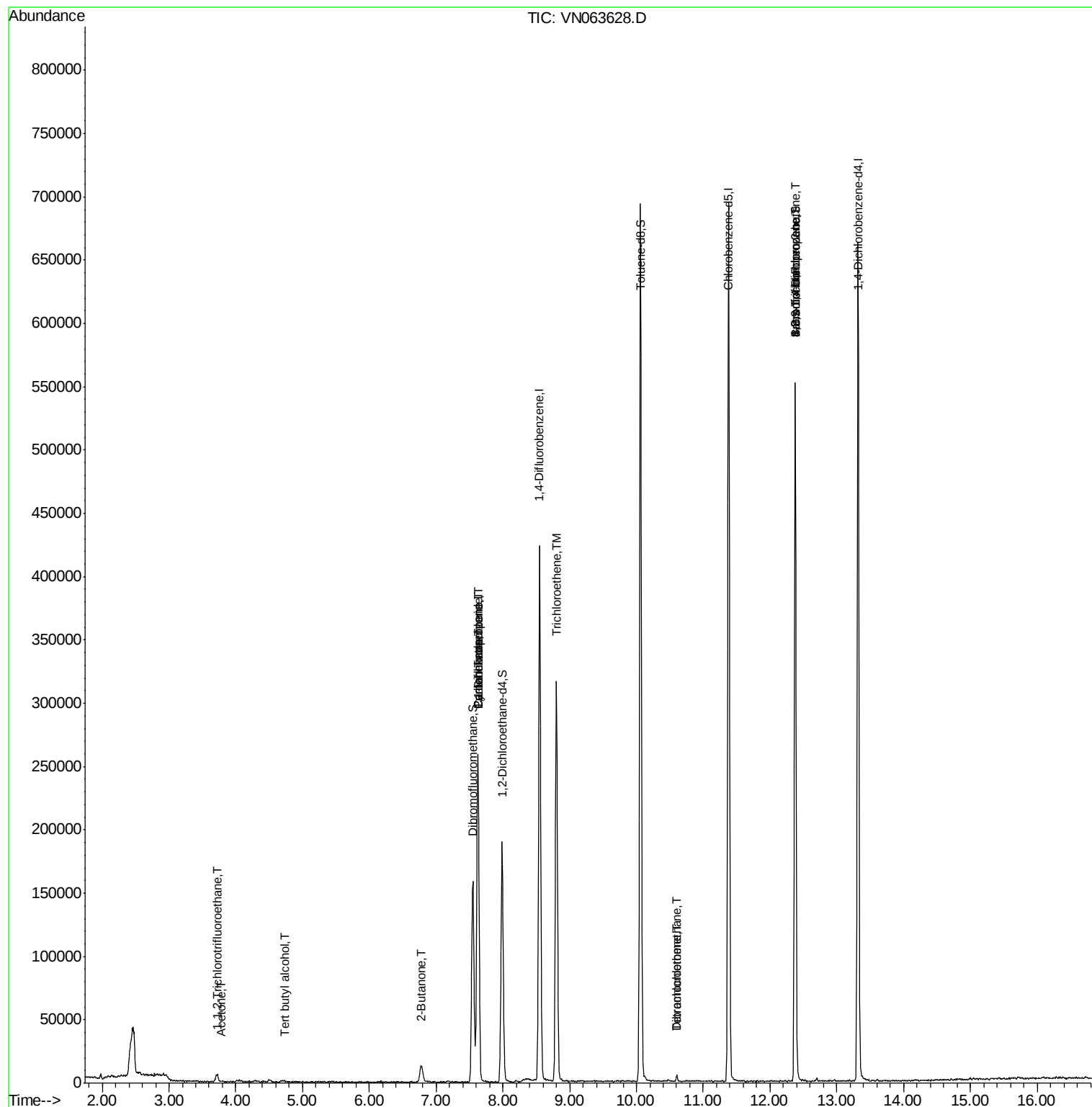
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3157	1.477	ug/l #	20
11) Tert butyl alcohol	4.72	59	141	0.312	ug/l #	72
16) Acetone	3.79	43	984	0.937	ug/l #	47
25) 2-Butanone	6.78	43	753	0.466	ug/l #	51
31) Cyclohexane	7.63	56	5451	1.208	ug/l #	30
36) 1,1-Dichloropropene	7.63	75	17680	4.732	ug/l #	52
38) Carbon Tetrachloride	7.62	117	20951	5.493	ug/l #	17
44) Trichloroethene	8.80	130	103095	39.854	ug/l	97
60) Dibromochloromethane	10.60	129	681	0.237	ug/l #	10
64) Tetrachloroethene	10.60	164	1034	0.422	ug/l #	72
71) Bromoform	12.37	173	417	0.200	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	102706	26.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	102706	71.728	ug/l #	7

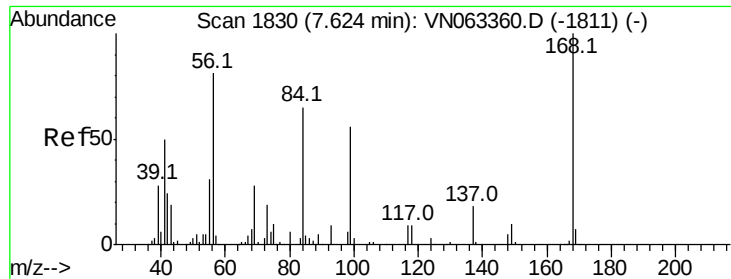
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063628.D
Acq On : 24 Sep 2020 15:04
Operator : JC/MD
Sample : L4083-02DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20200916DL

Quant Time: Sep 25 03:49:15 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: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

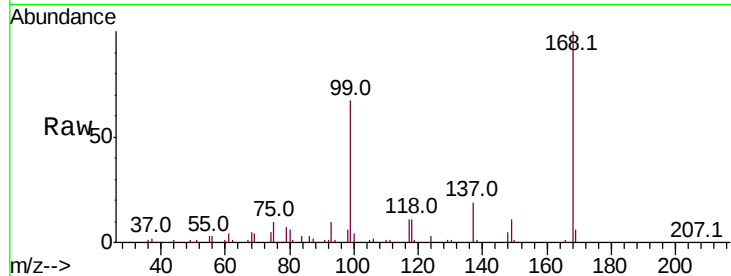
RE120D2-20200916DL

Tot Ion:168 Resp: 191864

Ion Ratio Lower Upper

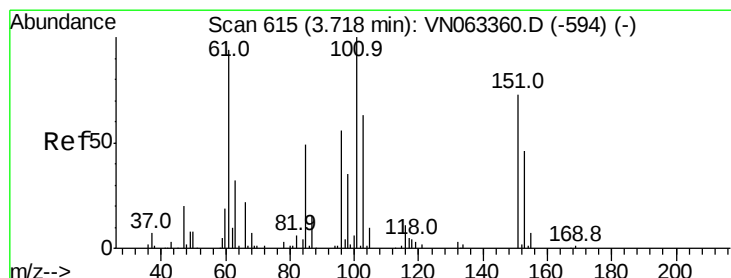
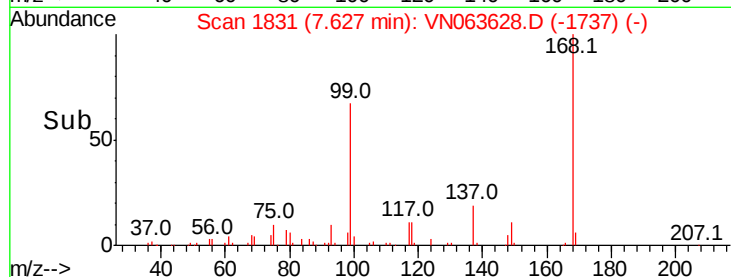
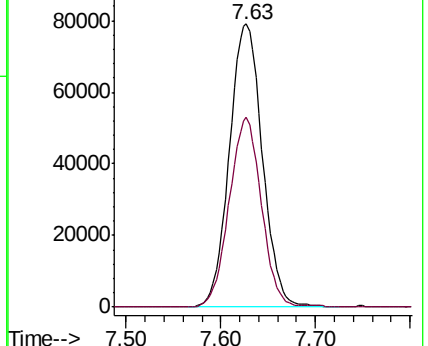
168 100

99 67.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.477 ug/l

RT: 3.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

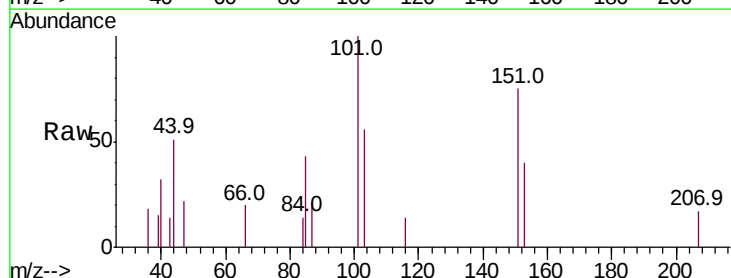
Tgt Ion:101 Resp: 3157

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

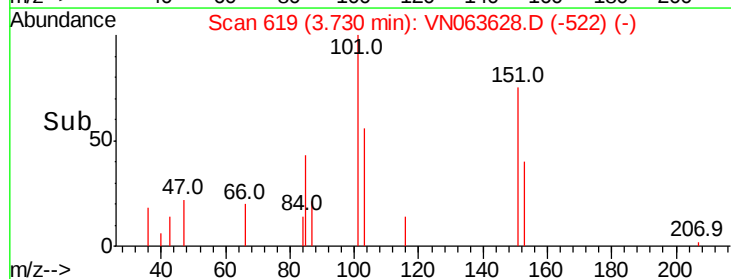
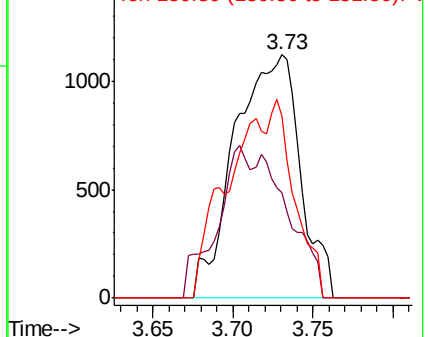
151 0.0 57.7 86.5#

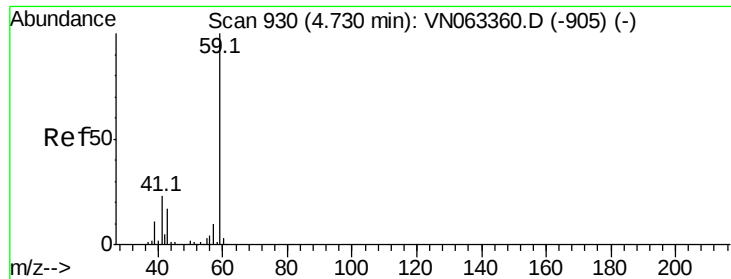


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

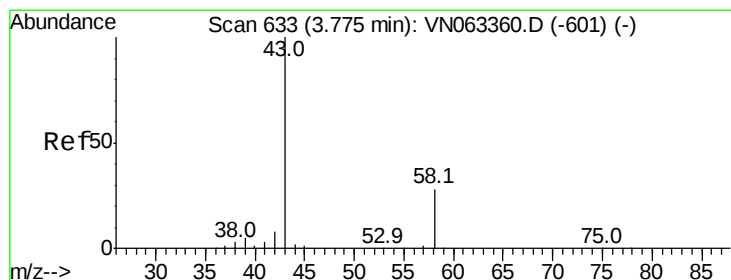
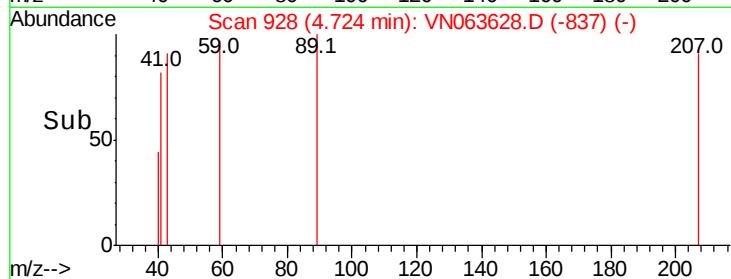
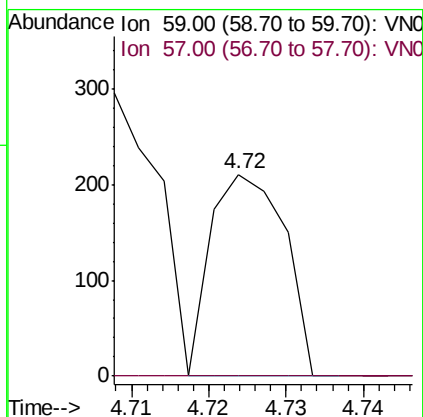
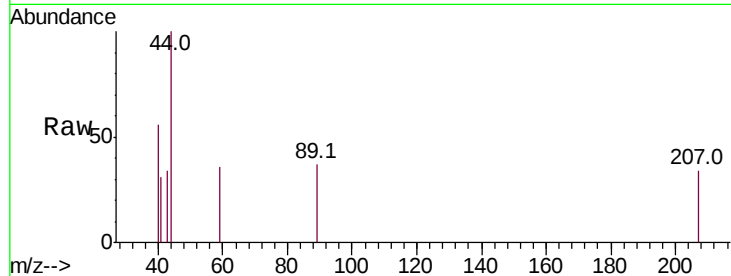




#11
Tert butyl alcohol
Concen: 0.312 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063628.D
Acq: 24 Sep 2020 15:04

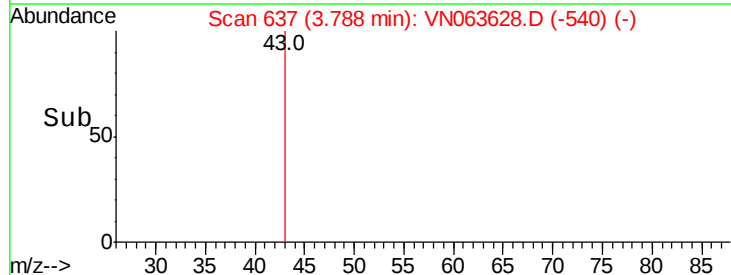
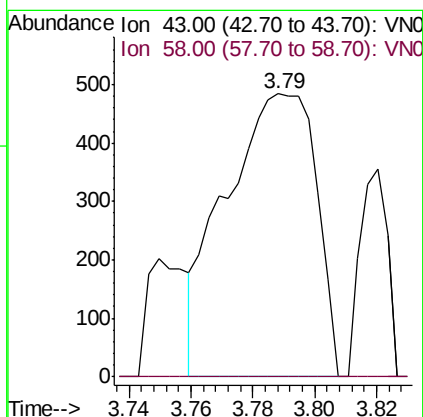
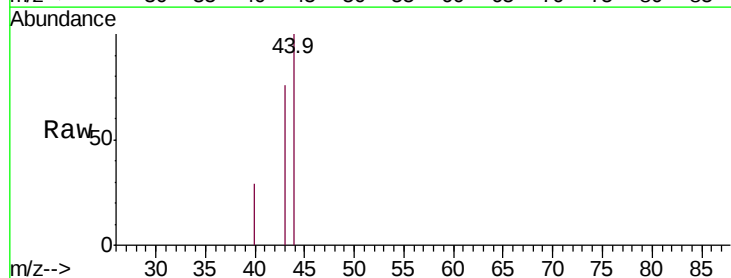
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20200916DL

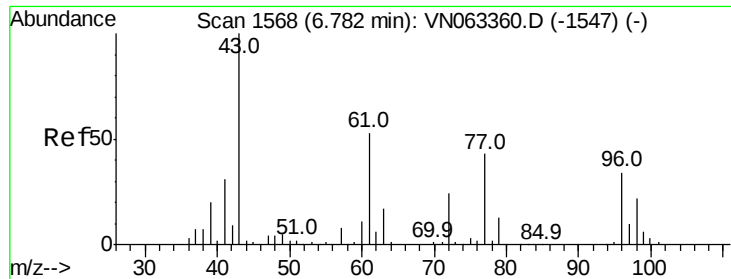
Tot Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 0.937 ug/l
RT: 3.79 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN063628.D
Acq: 24 Sep 2020 15:04

Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#

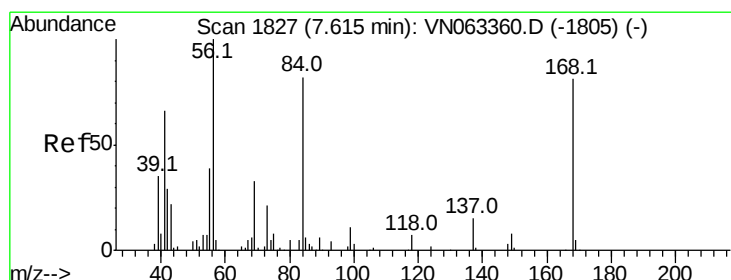
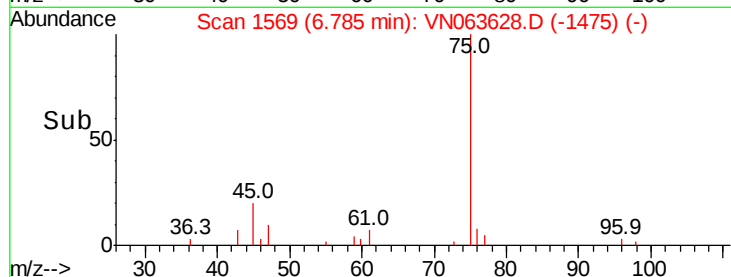
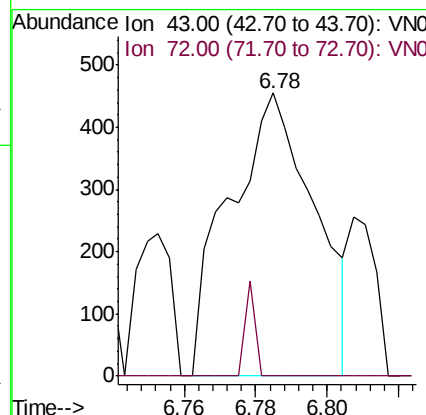
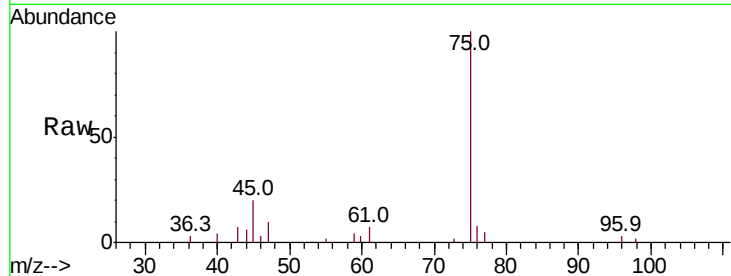




#25
2-Butanone
Concen: 0.466 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063628.D
Acq: 24 Sep 2020 15:04

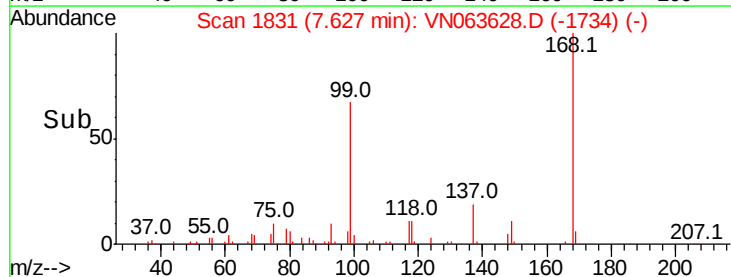
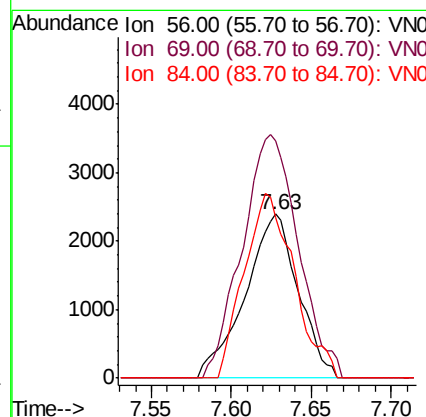
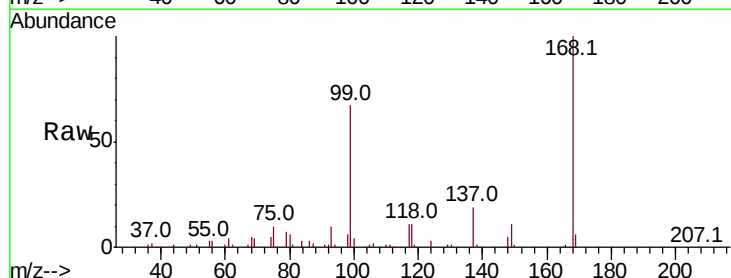
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20200916DL

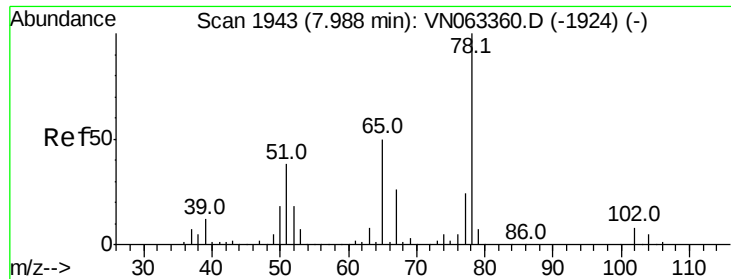
Tot Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063628.D
Acq: 24 Sep 2020 15:04

Tgt Ion: 56 Resp: 5451
Ion Ratio Lower Upper
56 100
69 145.0 26.1 39.1#
84 98.3 65.4 98.2#

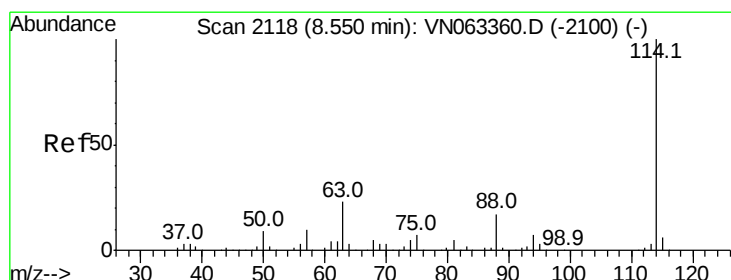
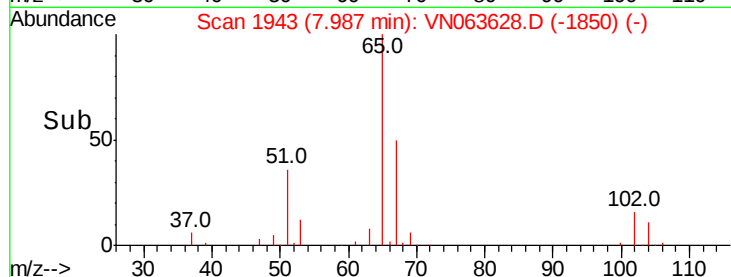
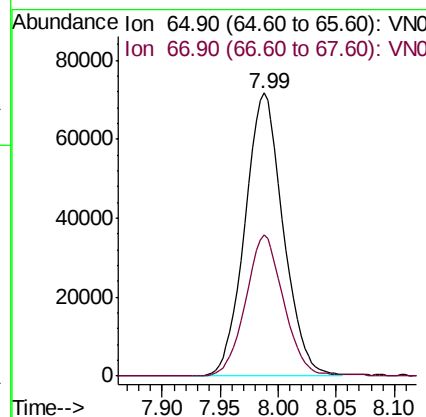
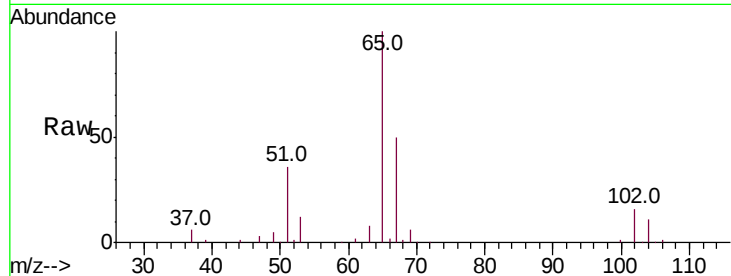




#33
 1,2-Dichloroethane-d4
 Concen: 50.447 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063628.D
 Acq: 24 Sep 2020 15:04

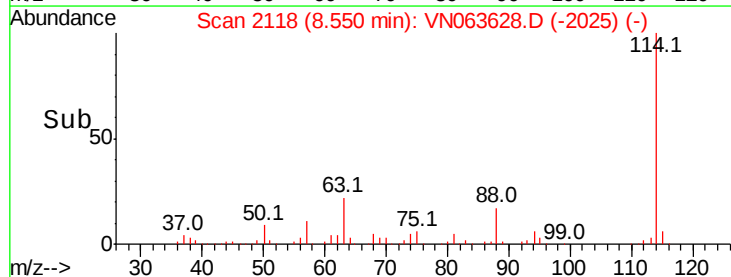
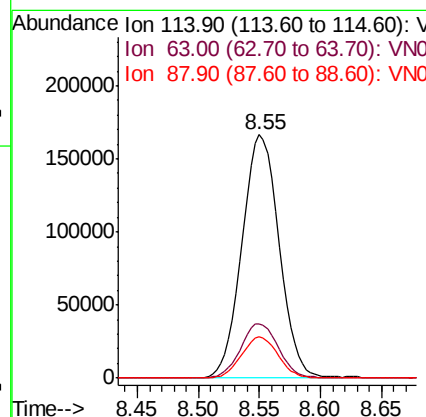
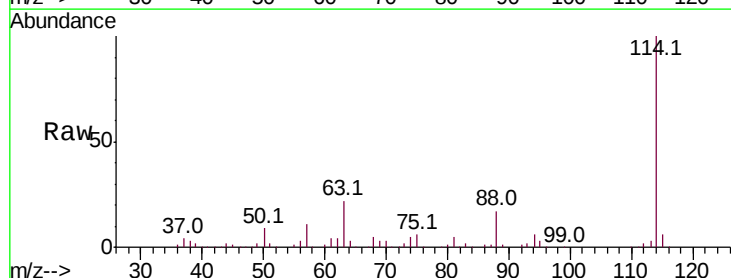
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20200916DL

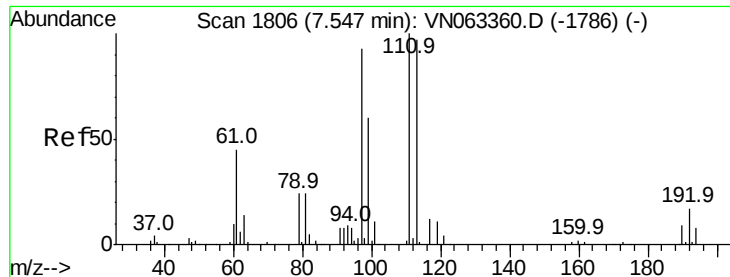
Tot Ion: 65 Resp: 164762
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063628.D
 Acq: 24 Sep 2020 15:04

Tgt Ion: 114 Resp: 350692
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.4
 88 16.9 0.0 33.2

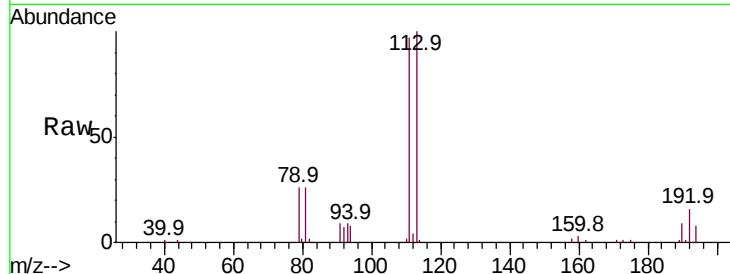




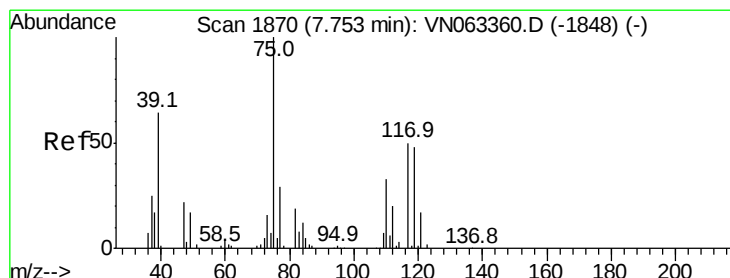
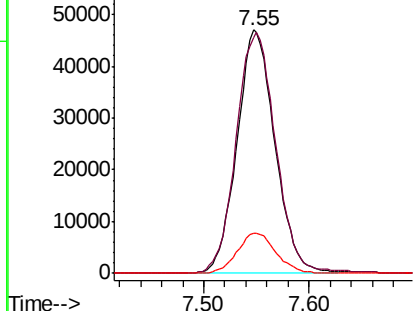
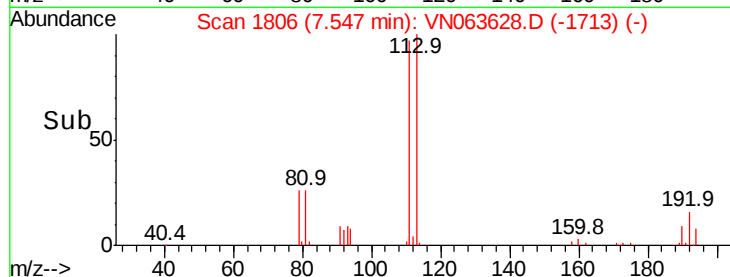
#35
 Dibromofluoromethane
 Concen: 48.438 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063628.D
 Acq: 24 Sep 2020 15:04

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20200916DL

Tot Ion:113 Resp: 117596
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 16.8 13.9 20.9

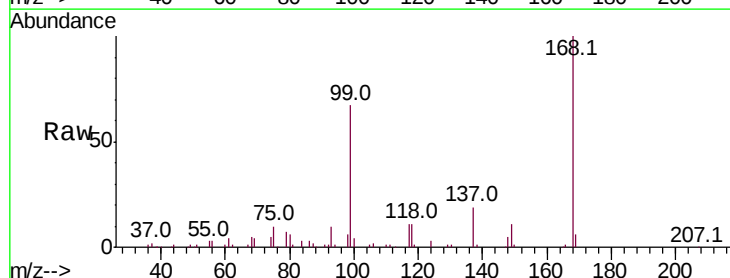


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

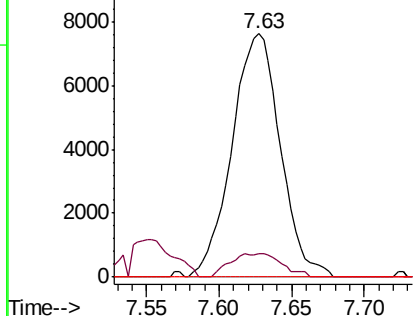
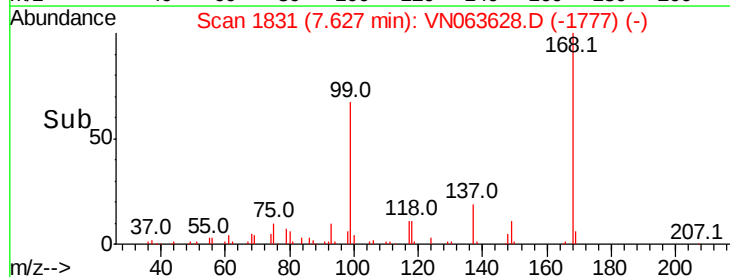


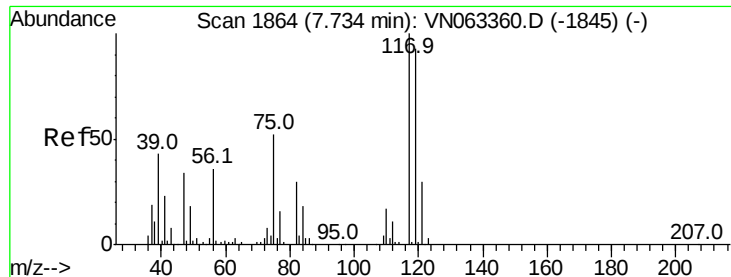
#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063628.D
 Acq: 24 Sep 2020 15:04

Tgt Ion: 75 Resp: 17680
 Ion Ratio Lower Upper
 75 100
 110 10.3 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: 5.493 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20200916DL

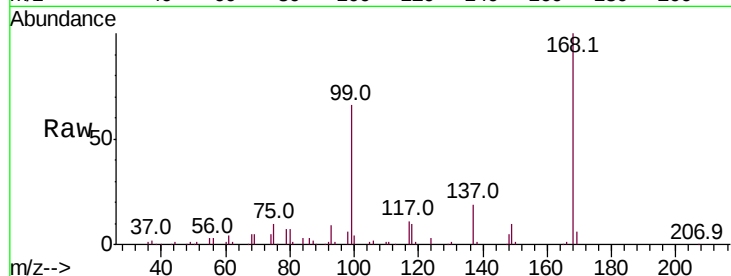
Tot Ion:117 Resp: 20951

Ion Ratio Lower Upper

117 100

119 5.3 74.5 111.7#

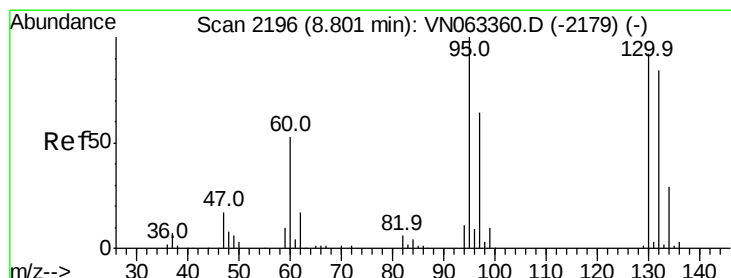
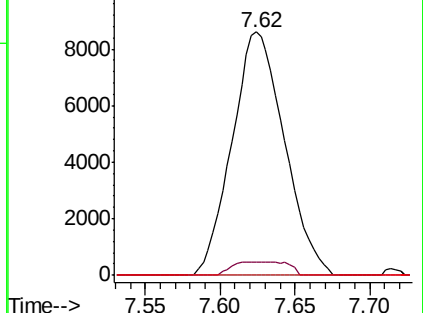
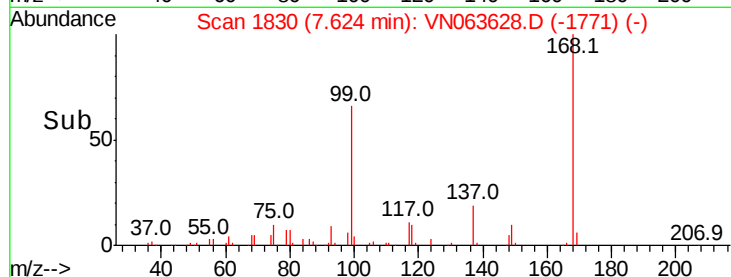
121 0.0 24.1 36.1#



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: 39.854 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063628.D

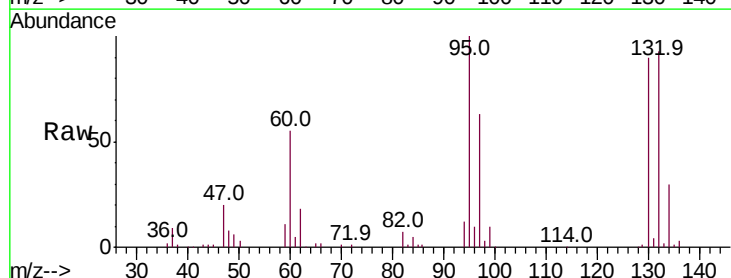
Acq: 24 Sep 2020 15:04

Tgt Ion:130 Resp: 103095

Ion Ratio Lower Upper

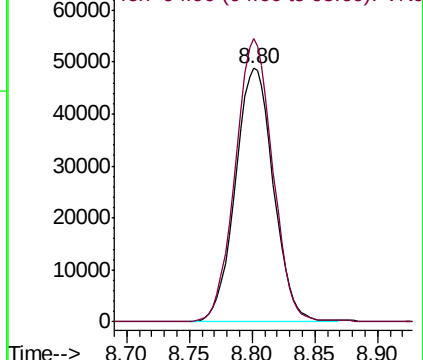
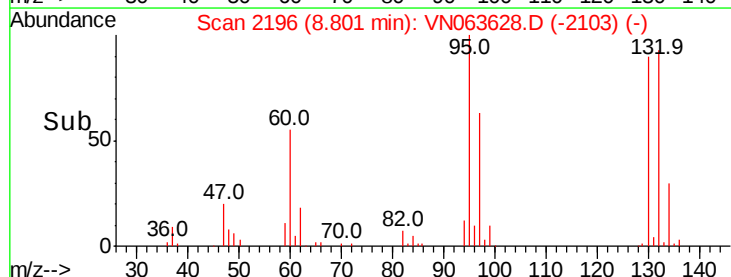
130 100

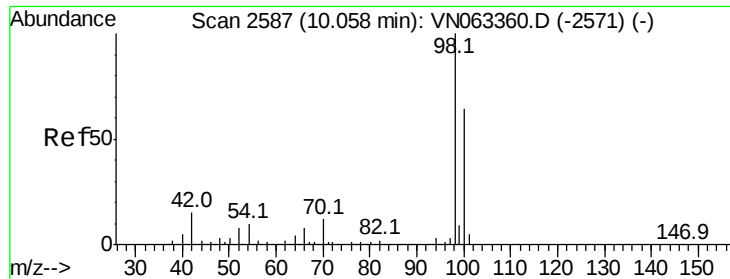
95 111.6 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 50.028 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

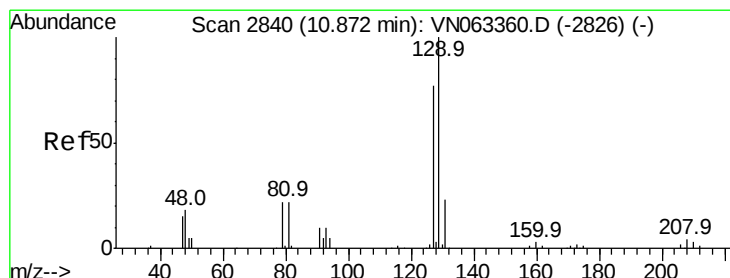
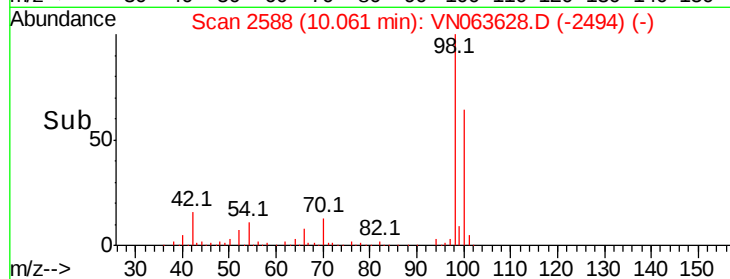
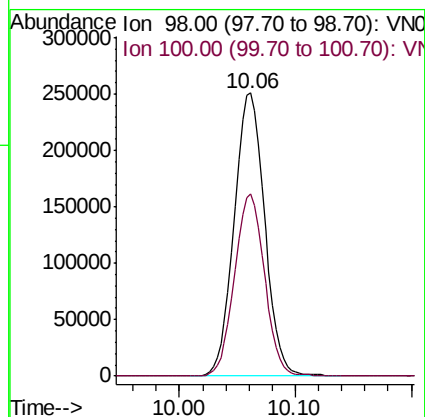
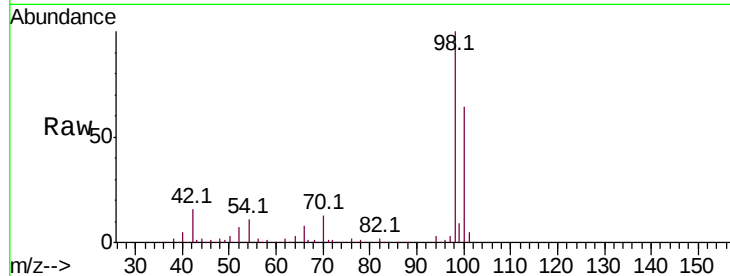
RE120D2-20200916DL

Tot Ion: 98 Resp: 456700

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



#60

Dibromochloromethane

Concen: 0.237 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063628.D

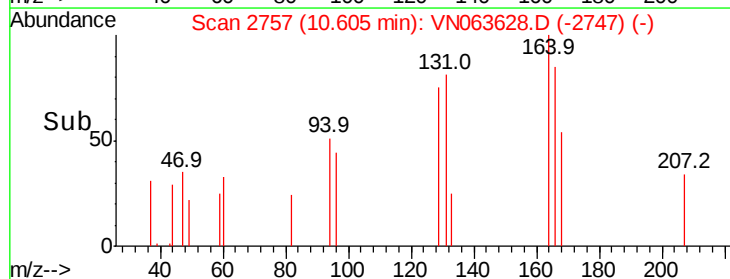
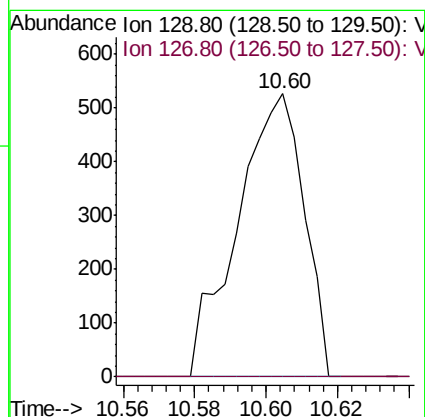
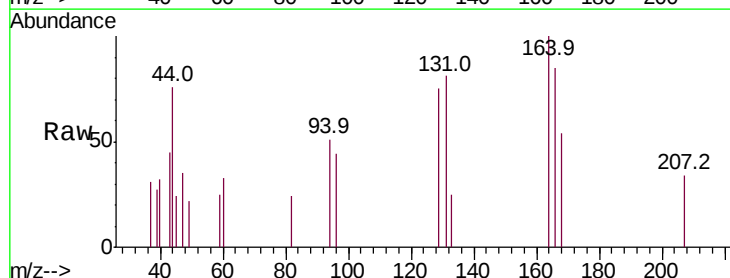
Acq: 24 Sep 2020 15:04

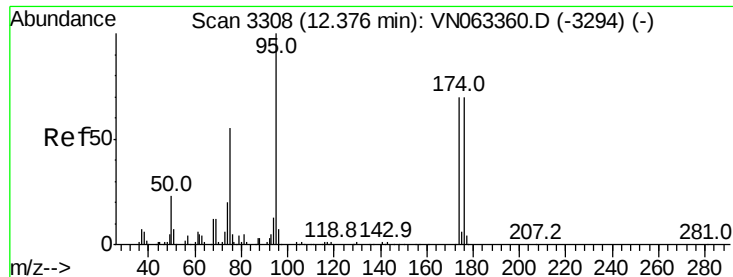
Tgt Ion: 129 Resp: 681

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 54.549 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20200916DL

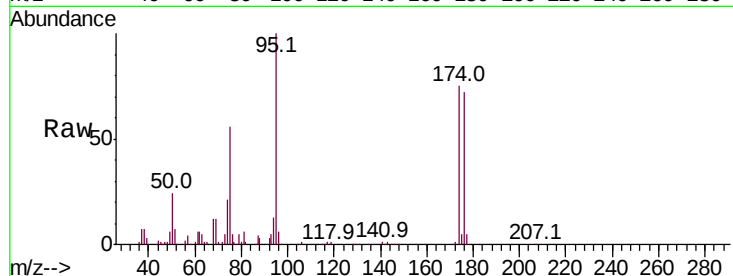
Tot Ion: 95 Resp: 182548

Ion Ratio Lower Upper

95 100

174 72.6 0.0 140.8

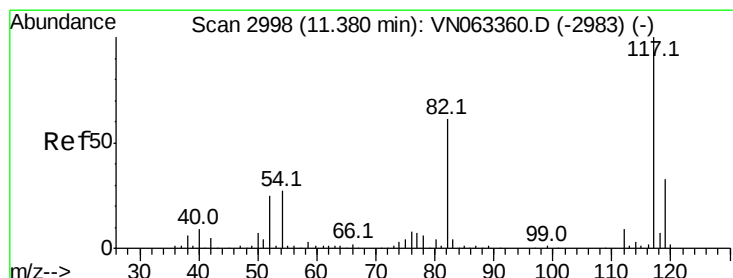
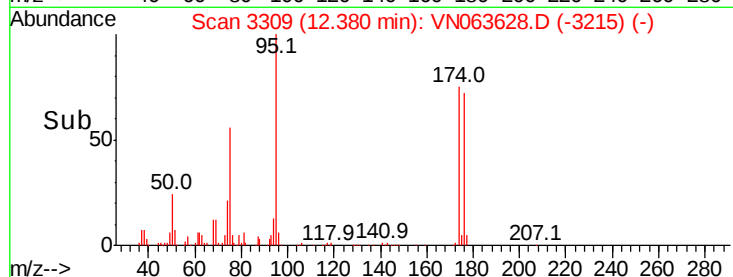
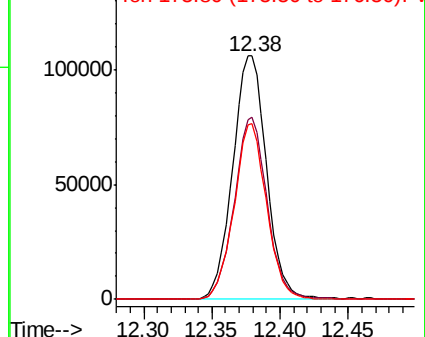
176 69.7 0.0 137.6



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: VN063628.D

Acq: 24 Sep 2020 15:04

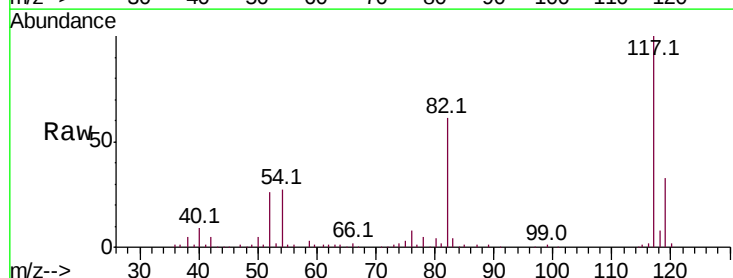
Tgt Ion: 117 Resp: 359533

Ion Ratio Lower Upper

117 100

82 61.0 49.2 73.8

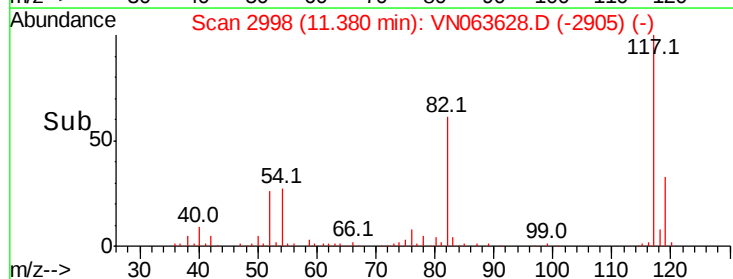
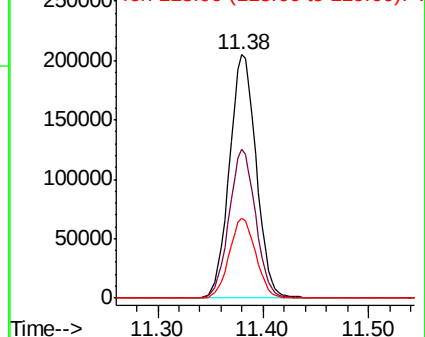
119 32.6 26.2 39.4

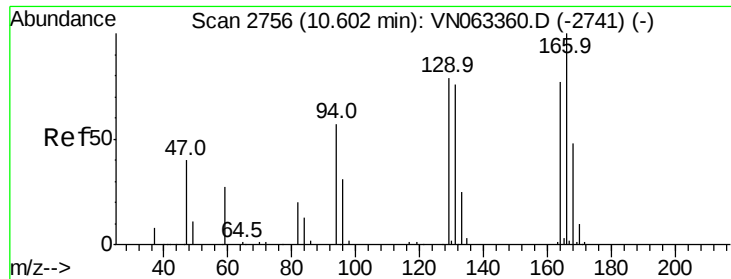


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

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: 0.422 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20200916DL

Tot Ion:164 Resp: 1034

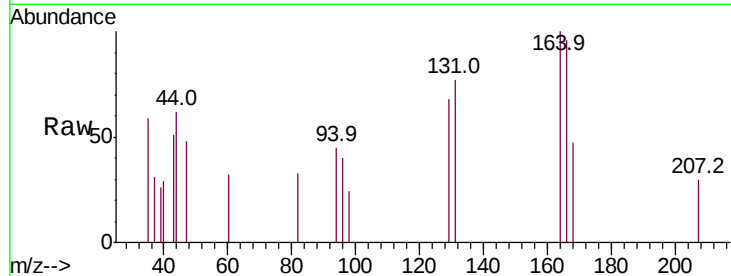
Ion Ratio Lower Upper

164 100

166 95.8 103.4 155.0#

129 68.4 81.8 122.6#

131 77.2 78.2 117.4#

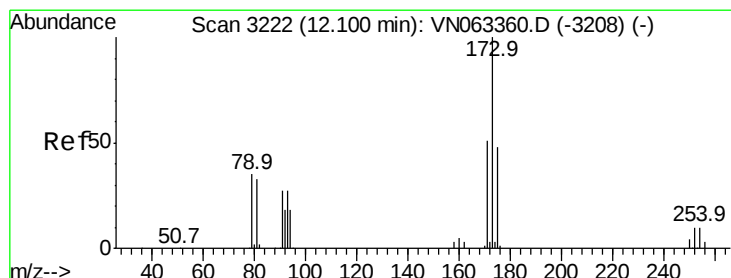
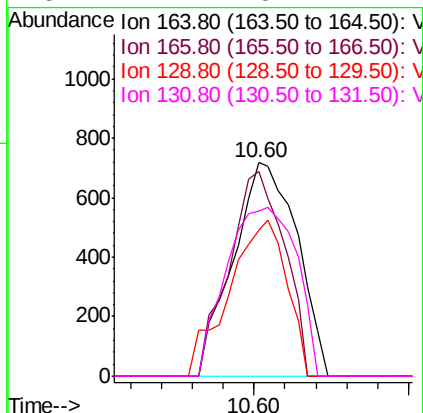
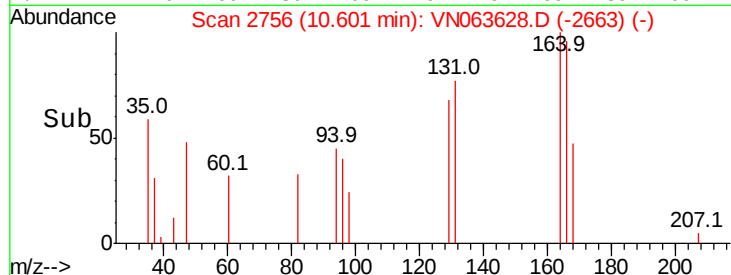


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.200 ug/l

RT: 12.37 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

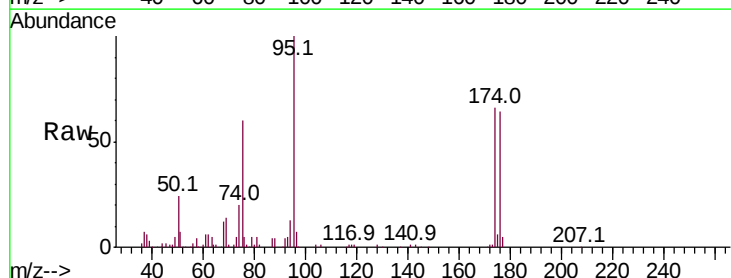
Tgt Ion:173 Resp: 417

Ion Ratio Lower Upper

173 100

175 2055.2 24.0 72.0#

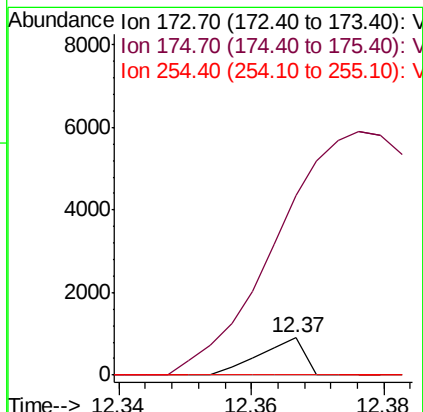
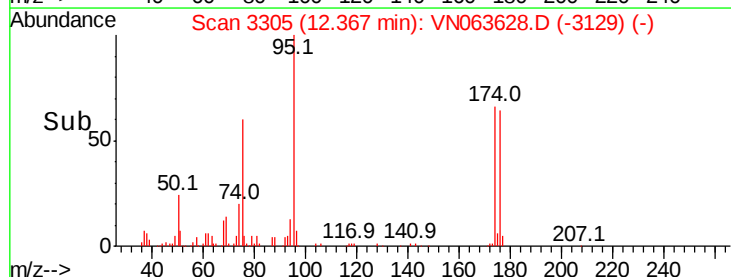
254 0.0 0.0 0.0

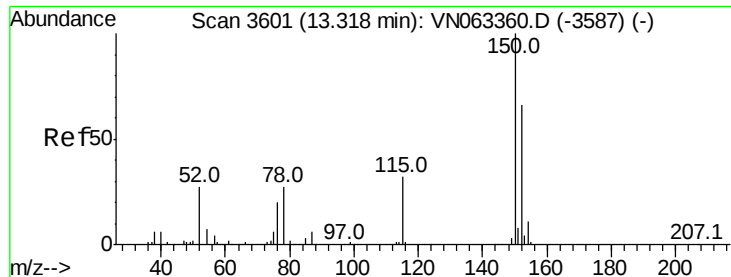


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20200916DL

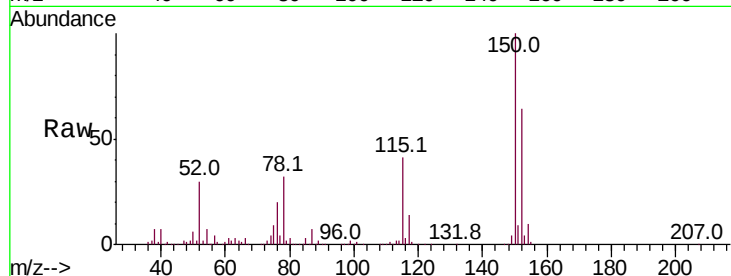
Tot Ion:152 Resp: 158604

Ion Ratio Lower Upper

152 100

115 65.5 32.2 96.6

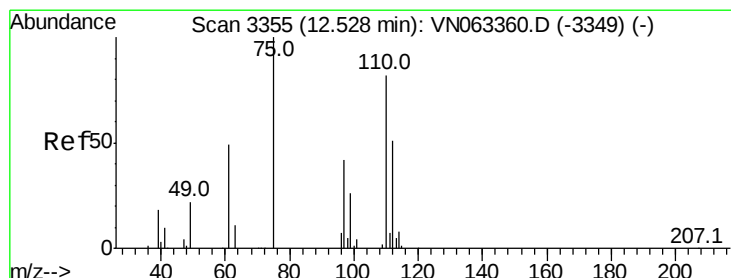
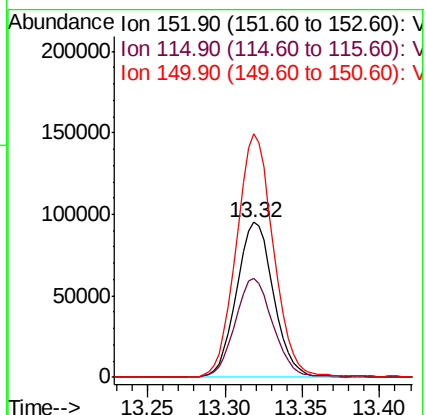
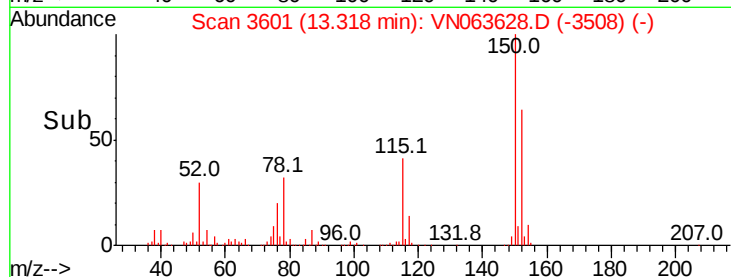
150 156.9 0.0 343.4



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: 26.163 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063628.D

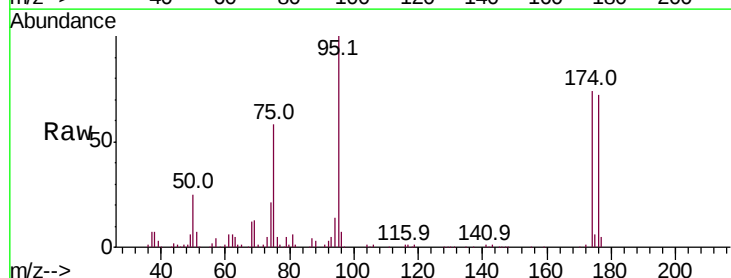
Acq: 24 Sep 2020 15:04

Tgt Ion: 75 Resp: 102706

Ion Ratio Lower Upper

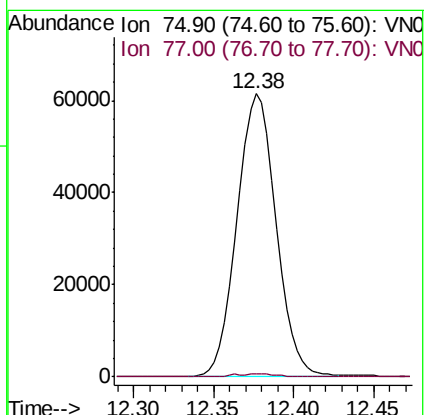
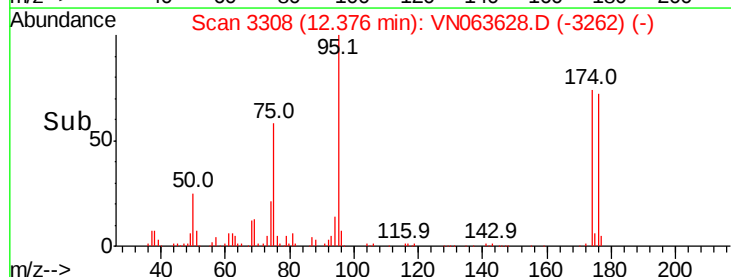
75 100

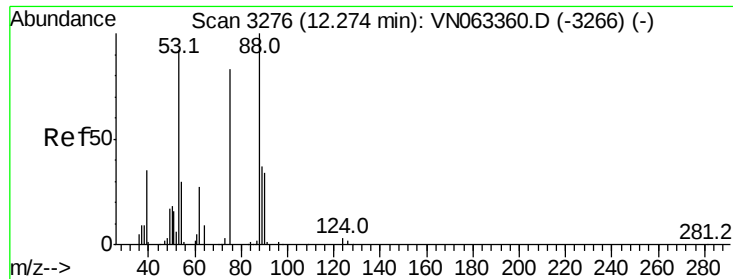
77 0.4 0.0 0.0#



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: 71.728 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063628.D

Acq: 24 Sep 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20200916DL

Tot Ion: 75 Resp: 102706

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

