

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063706.D
 Acq On : 28 Sep 2020 15:33
 Operator : JC/MD
 Sample : L4158-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BLUE-FRAC-TANK

Quant Time: Sep 29 00:39:54 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	221755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176298	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	188217	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	7.55	113	137777	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.06	98	531379	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.38	95	208657	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	

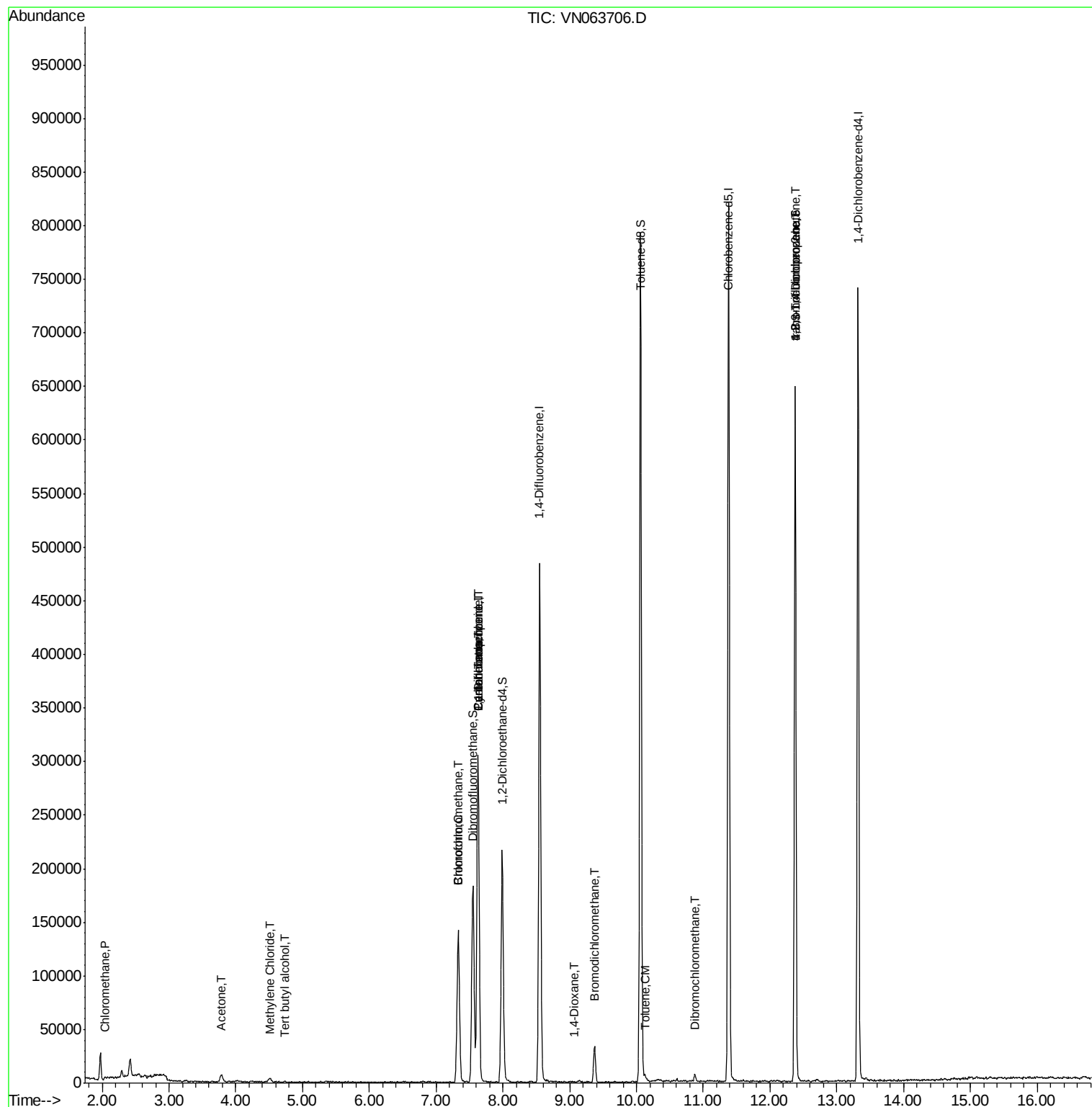
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1427	0.429	ug/l #	86
11) Tert butyl alcohol	4.74	59	314	0.600	ug/l #	72
16) Acetone	3.78	43	12052	9.934	ug/l	94
20) Methylene Chloride	4.51	84	2303	0.749	ug/l #	69
28) Bromochloromethane	7.33	49	13033	5.121	ug/l #	20
30) Chloroform	7.33	83	141265	25.547	ug/l	99
31) Cyclohexane	7.62	56	6658	1.277	ug/l #	38
36) 1,1-Dichloropropene	7.62	75	20654	4.757	ug/l #	52
38) Carbon Tetrachloride	7.63	117	24566	5.543	ug/l #	17
47) Bromodichloromethane	9.37	83	21837	4.738	ug/l #	98
49) 1,4-Dioxane	9.08	88	69	1.284	ug/l #	1
52) Toluene	10.13	92	1611	0.216	ug/l	99
60) Dibromochloromethane	10.87	129	3355	1.003	ug/l	88
76) 1,2,3-Trichloropropane	12.38	75	120593	27.636	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	120593	75.767	ug/l #	7

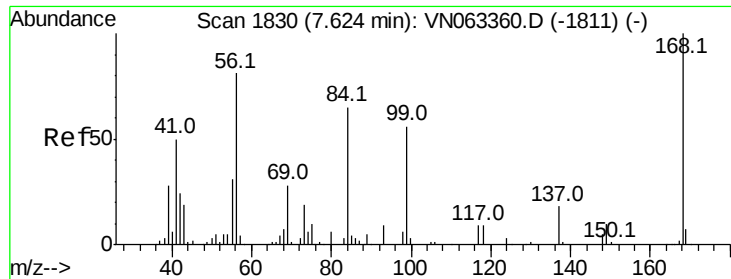
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

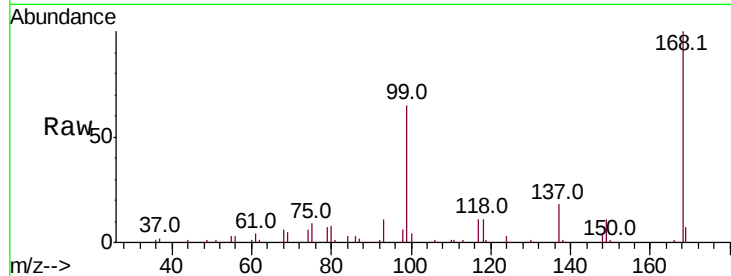
BLUE-FRAC-TANK

Tot Ion:168 Resp: 221755

Ion Ratio Lower Upper

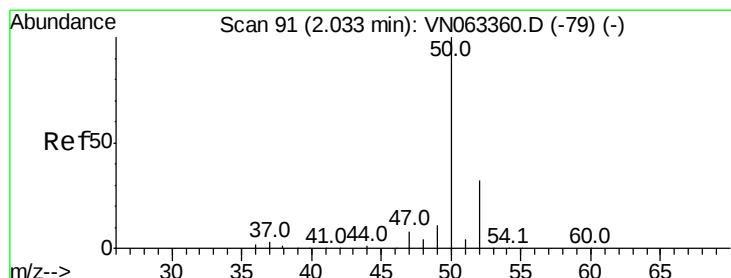
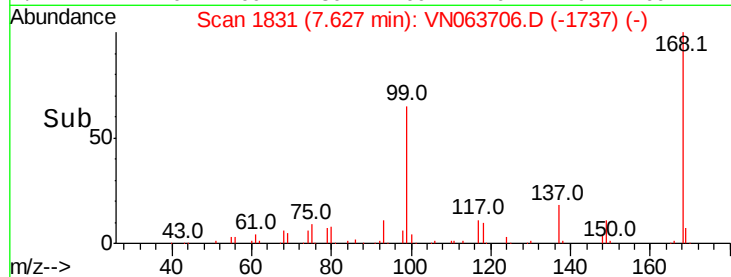
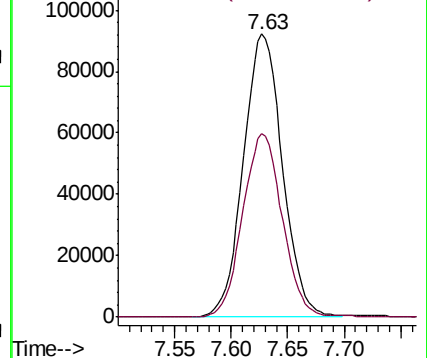
168 100

99 65.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.429 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063706.D

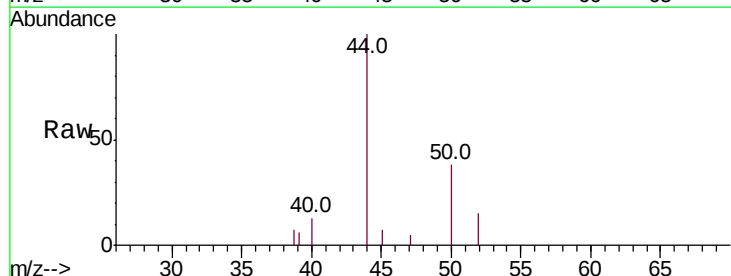
Acq: 28 Sep 2020 15:33

Tgt Ion: 50 Resp: 1427

Ion Ratio Lower Upper

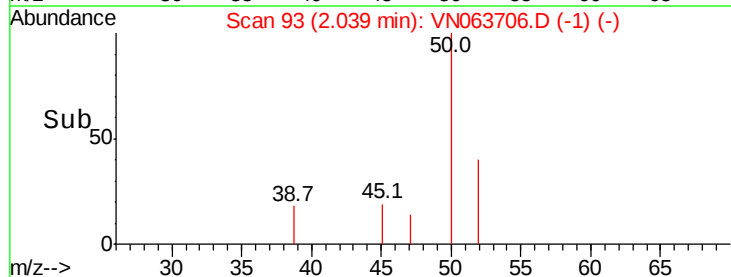
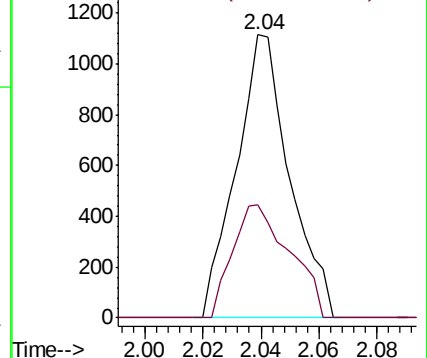
50 100

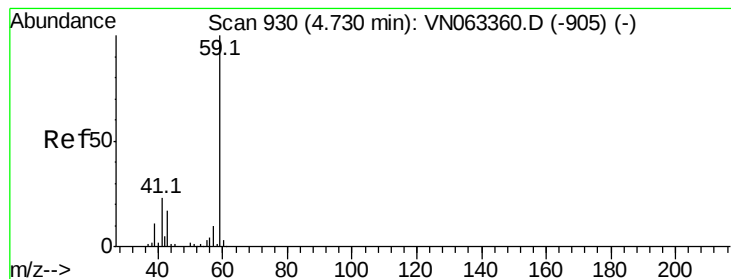
52 40.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



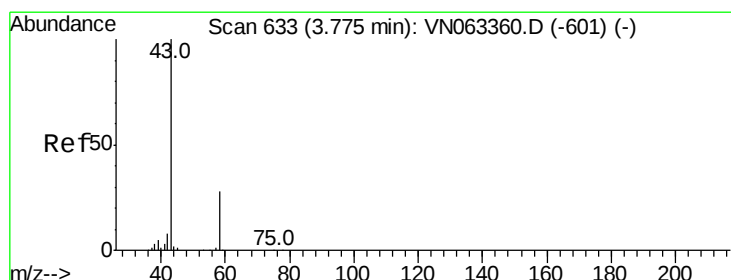
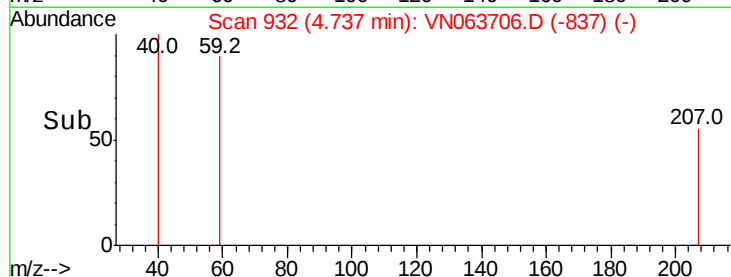
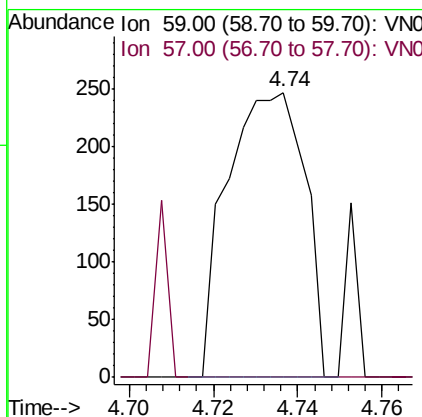
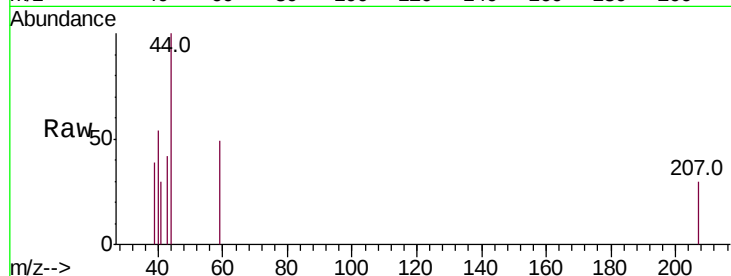


#11

Tert butvl alcohol
 Concen: 0.600 ug/l
 RT: 4.74 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN063706.D
 Acq: 28 Sep 2020 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BLUE-FRAC-TANK

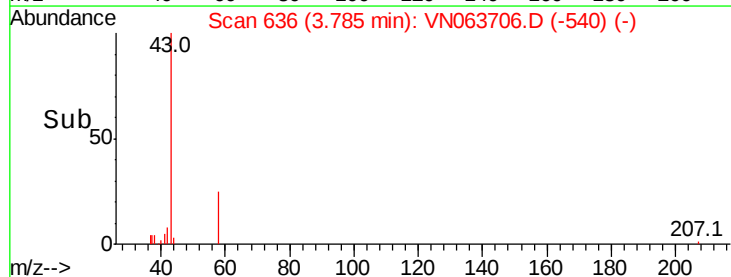
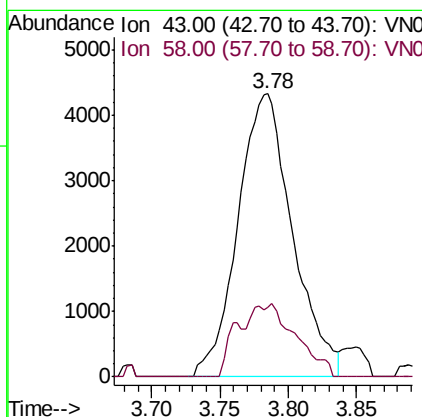
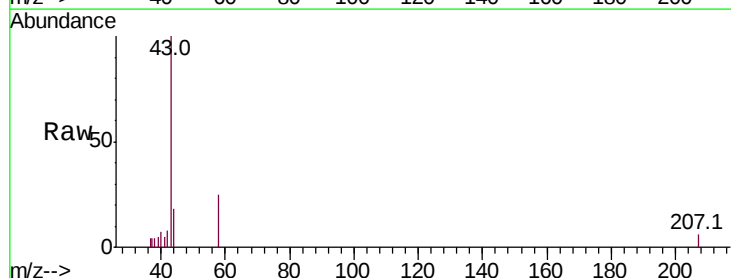
Tot Ion: 59 Resp: 314
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

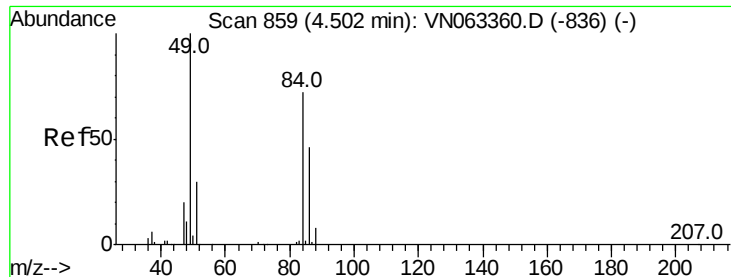


#16

Acetone
 Concen: 9.934 ug/l
 RT: 3.78 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN063706.D
 Acq: 28 Sep 2020 15:33

Tgt Ion: 43 Resp: 12052
 Ion Ratio Lower Upper
 43 100
 58 24.7 22.3 33.5

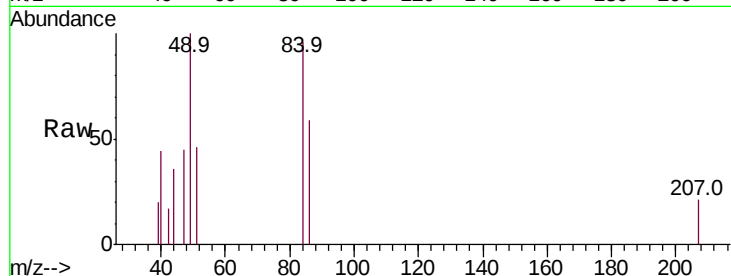




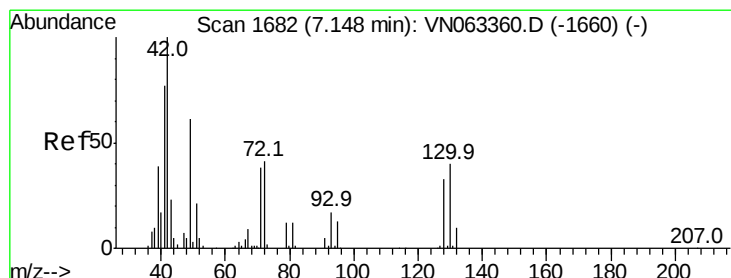
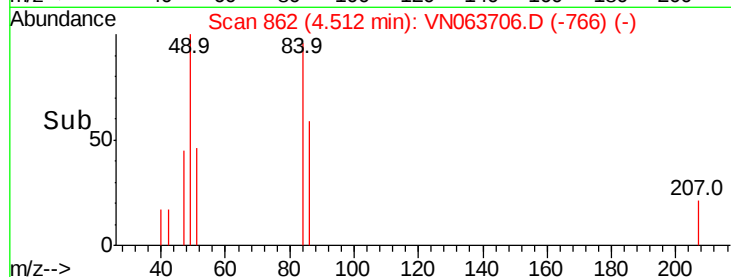
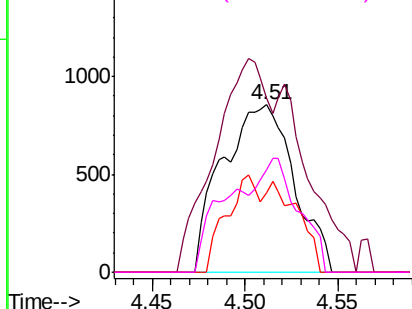
#20
Methvlene Chloride
Concen: 0.749 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063706.D
Acq: 28 Sep 2020 15:33

Instrument :
MSVOA_N
ClientSampleId :
BLUE-FRAC-TANK

Tot Ion: 84 Resp: 2303
Ion Ratio Lower Upper
84 100
49 78.2 110.7 166.1#
51 47.7 32.9 49.3
86 61.5 51.1 76.7

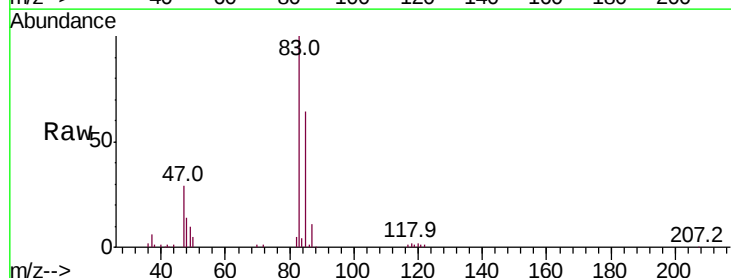


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

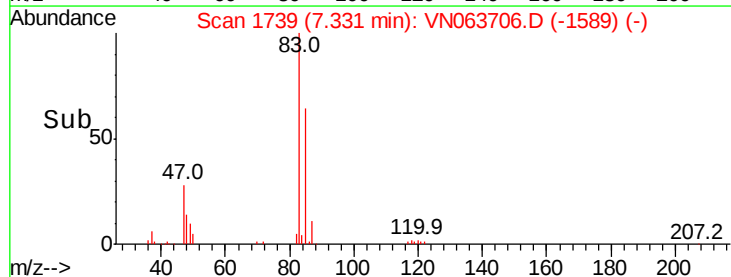
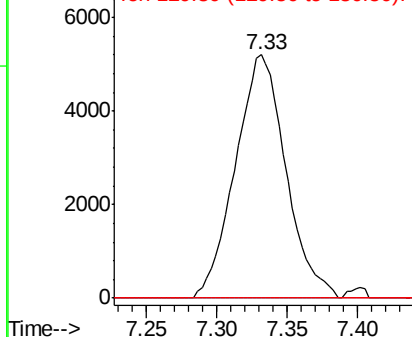


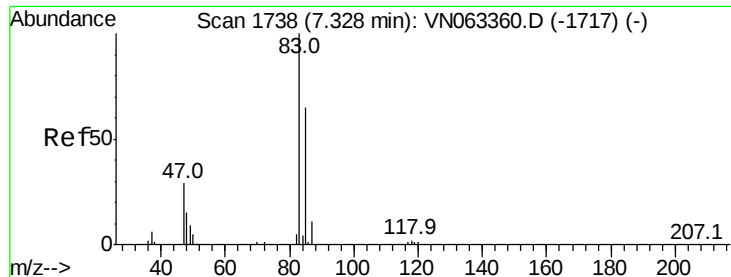
#28
Bromochloromethane
Concen: 5.121 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.18 min
Lab File: VN063706.D
Acq: 28 Sep 2020 15:33

Tgt Ion: 49 Resp: 13033
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 52.2 78.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#30

Chloroform

Concen: 25.547 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

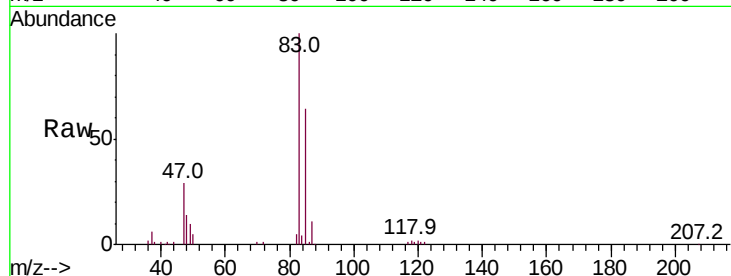
BLUE-FRAC-TANK

Tot Ion: 83 Resp: 141265

Ion Ratio Lower Upper

83 100

85 64.2 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.33

60000

50000

40000

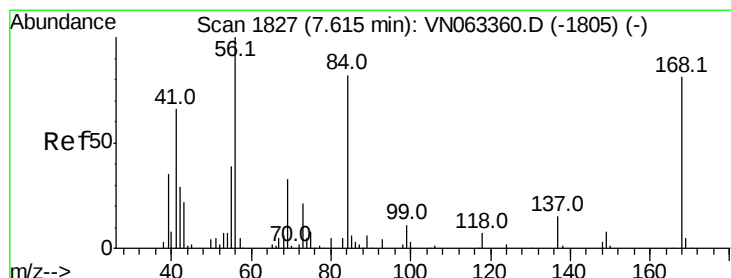
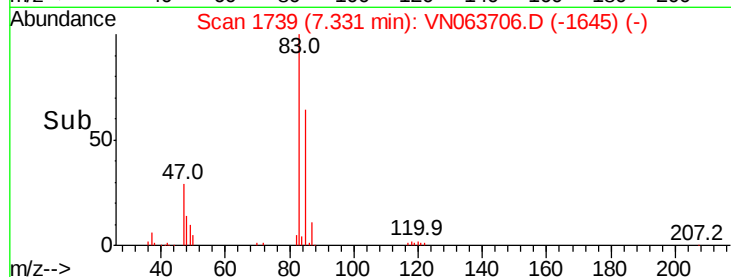
30000

20000

10000

0

Time--> 7.20 7.30 7.40



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

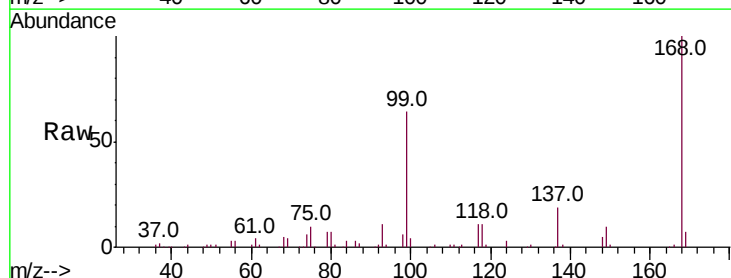
Tgt Ion: 56 Resp: 6658

Ion Ratio Lower Upper

56 100

69 127.7 26.1 39.1#

84 99.4 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

5000

4000

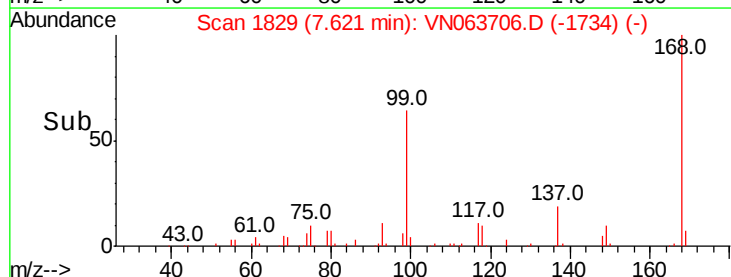
3000

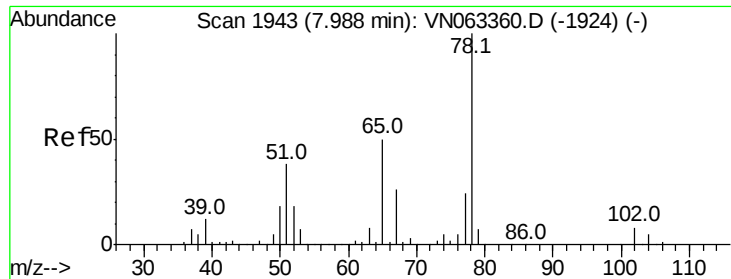
2000

1000

0

Time--> 7.55 7.60 7.65

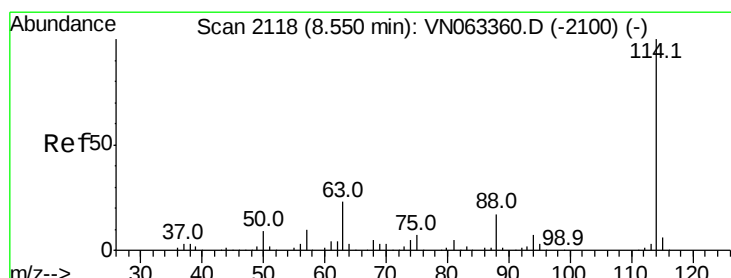
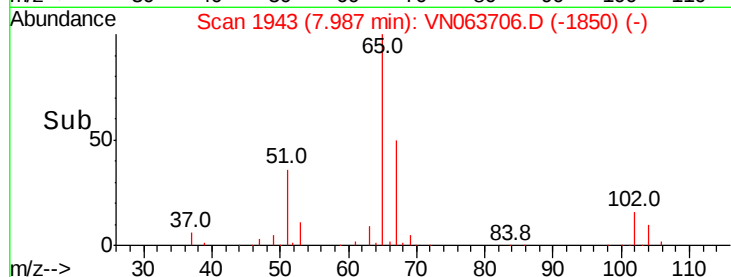
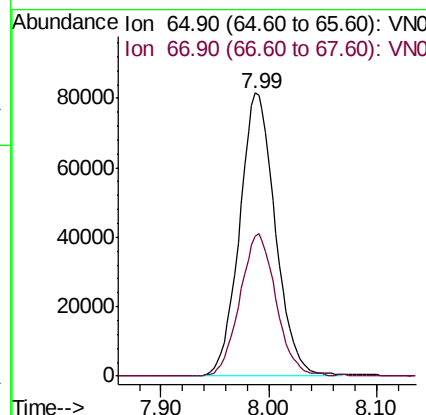
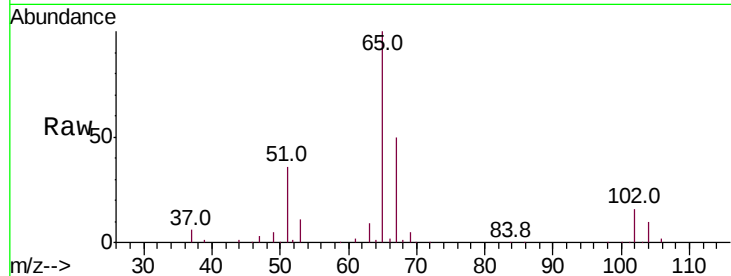




#33
 1,2-Dichloroethane-d4
 Concen: 49.861 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063706.D
 Acq: 28 Sep 2020 15:33

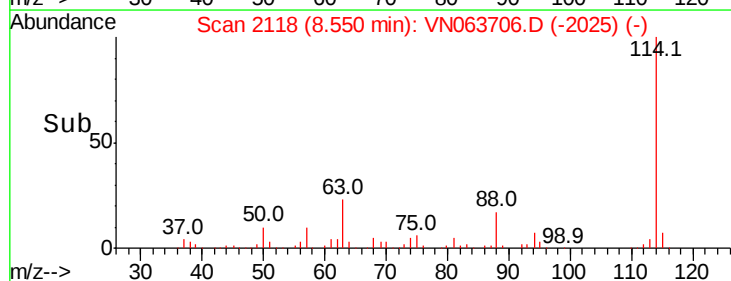
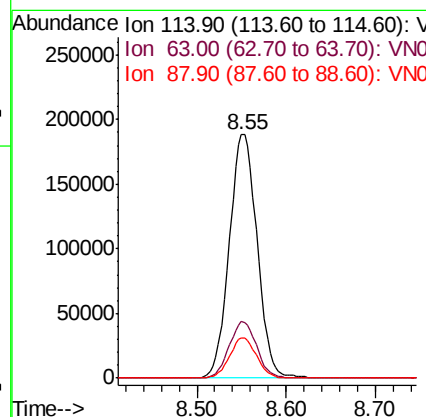
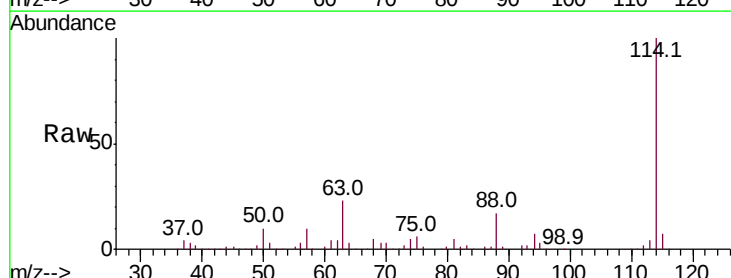
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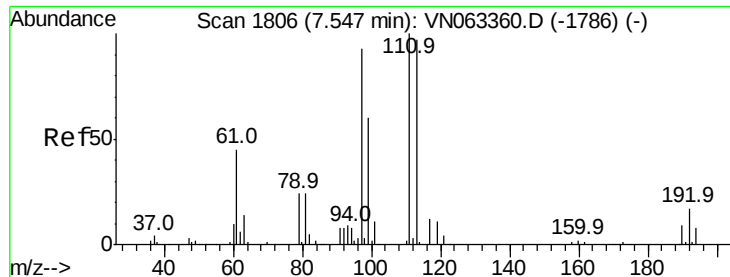
Tot Ion: 65 Resp: 188217
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063706.D
 Acq: 28 Sep 2020 15:33

Tgt Ion: 114 Resp: 407532
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.4
 88 16.7 0.0 33.2

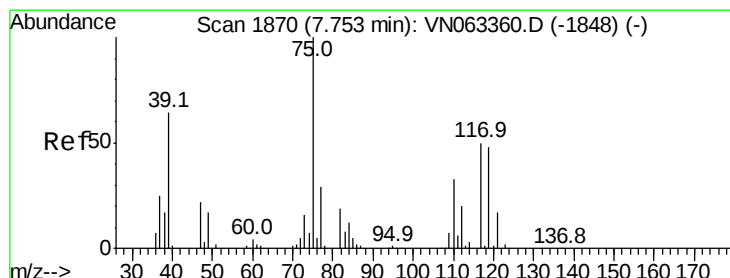
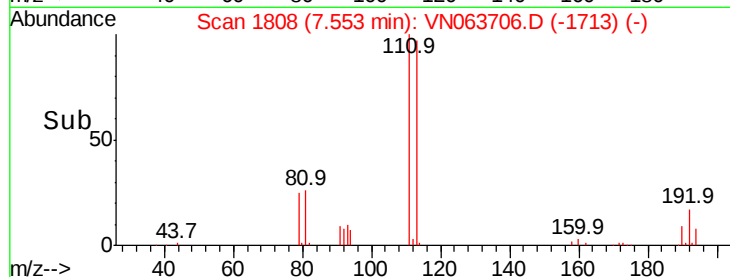
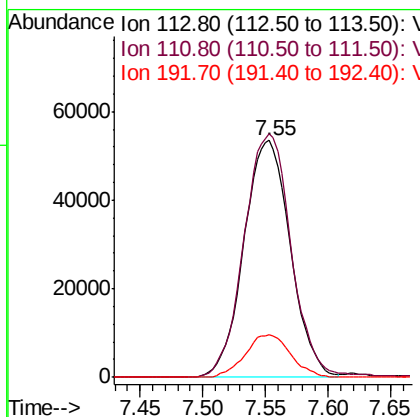
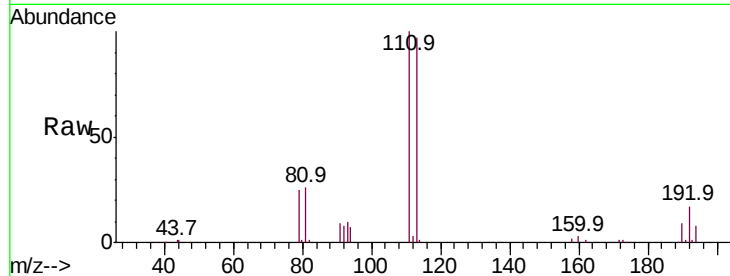




#35
 Dibromofluoromethane
 Concen: 48.835 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063706.D
 Acq: 28 Sep 2020 15:33

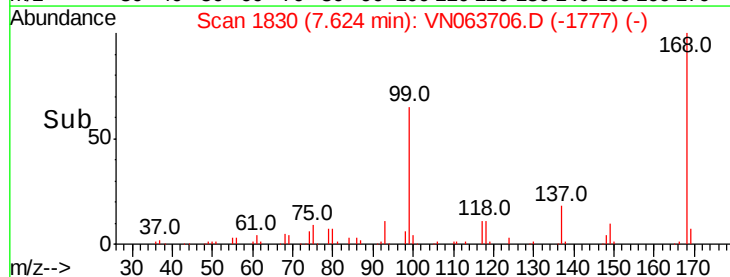
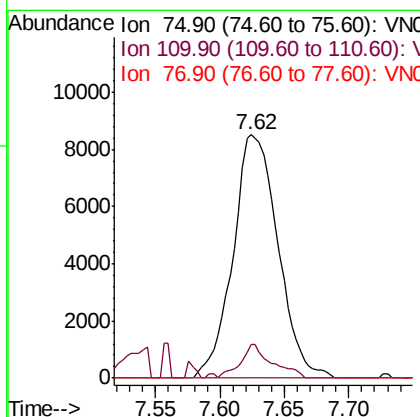
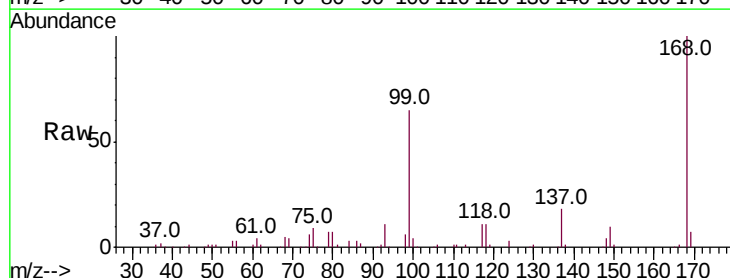
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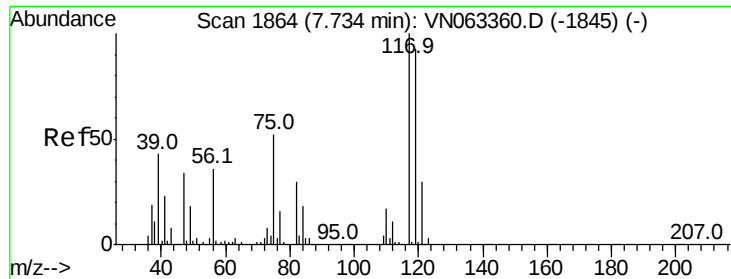
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.9	124.3
192	17.8	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063706.D
 Acq: 28 Sep 2020 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

BLUE-FRAC-TANK

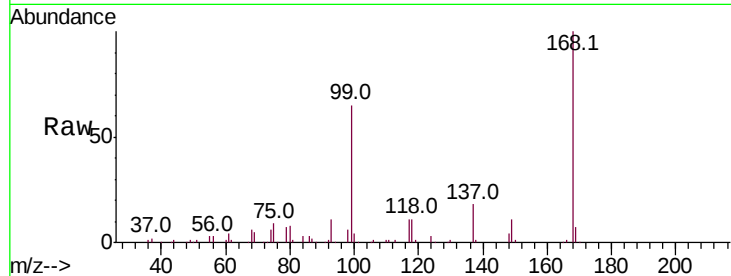
Tot Ion:117 Resp: 24566

Ion Ratio Lower Upper

117 100

119 5.4 74.5 111.7#

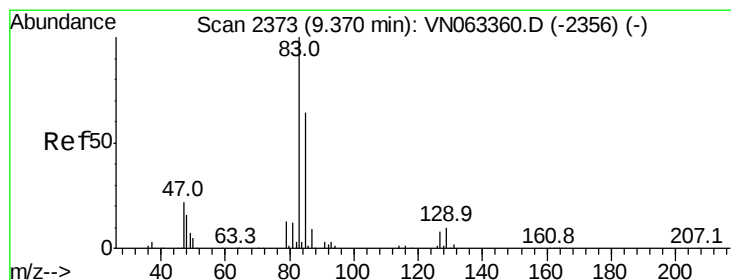
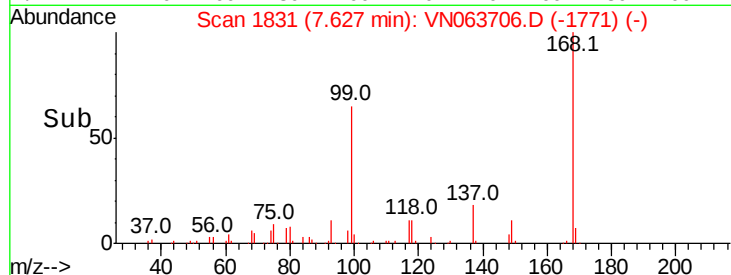
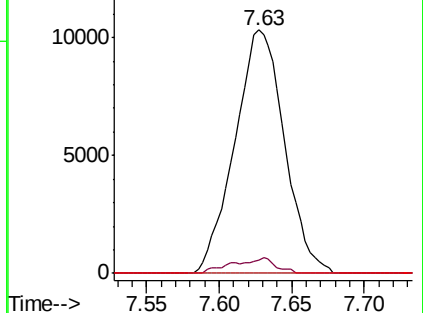
121 0.0 24.1 36.1#



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



#47

Bromodichloromethane

Concen: 4.738 ug/l

RT: 9.37 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

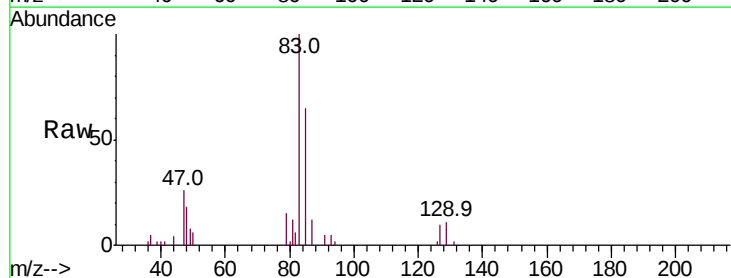
Tgt Ion: 83 Resp: 21837

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.6

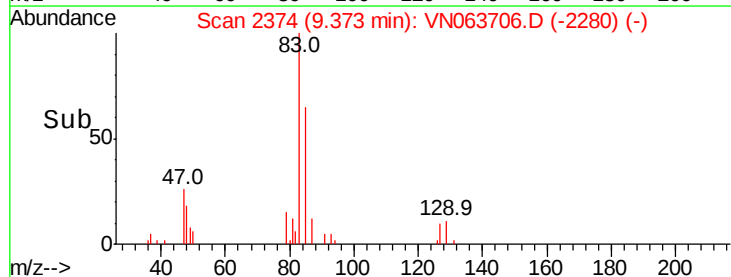
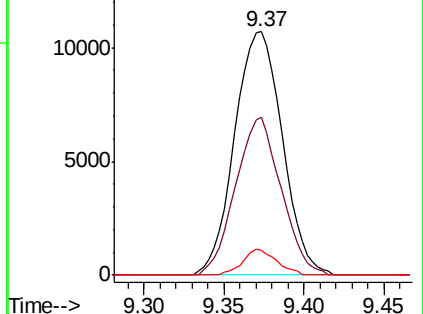
127 10.0 6.3 9.5#

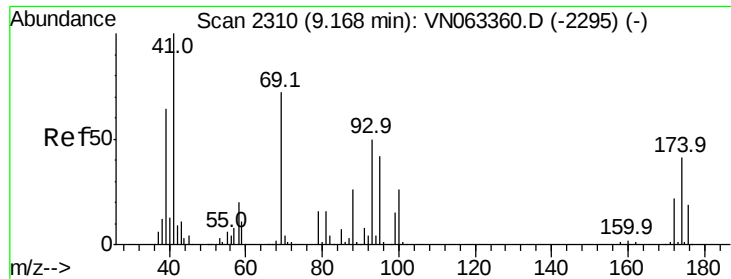


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V

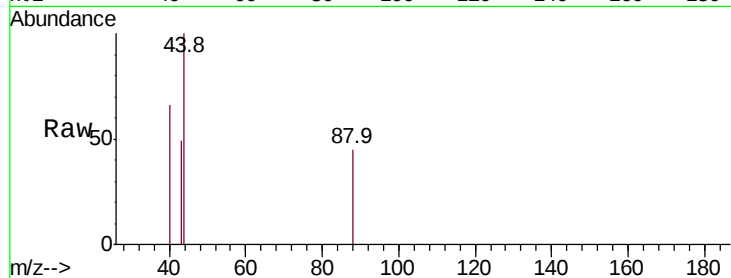




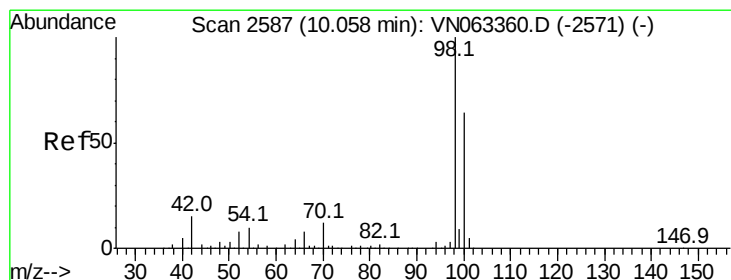
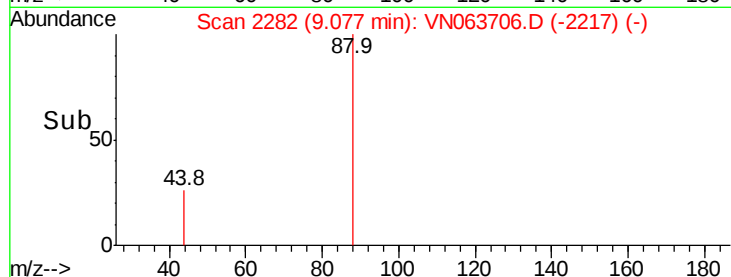
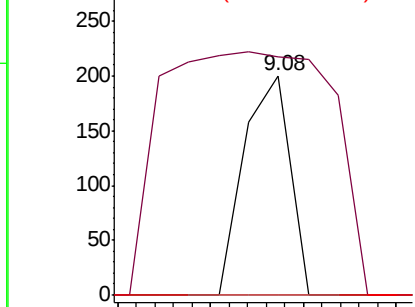
#49
1,4-Dioxane
Concen: 1.284 ug/l
RT: 9.08 min Scan# 2282
Delta R.T. -0.09 min
Lab File: VN063706.D
Acq: 28 Sep 2020 15:33

Instrument :
MSVOA_N
ClientSampleId :
BLUE-FRAC-TANK

Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 410.1 32.6 49.0#
58 0.0 60.0 90.0#

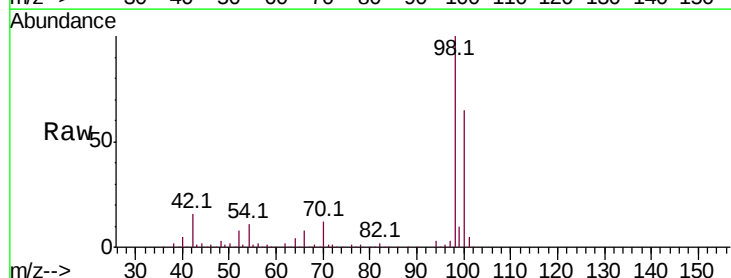


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

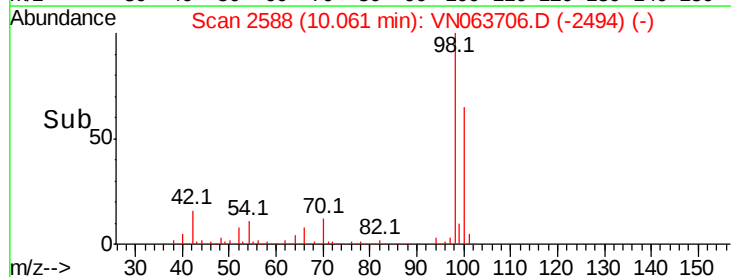
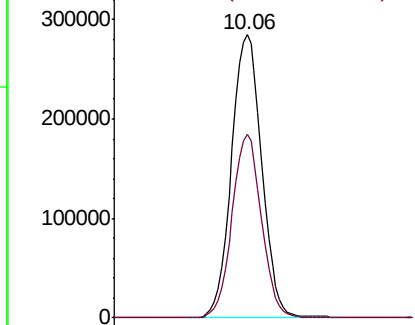


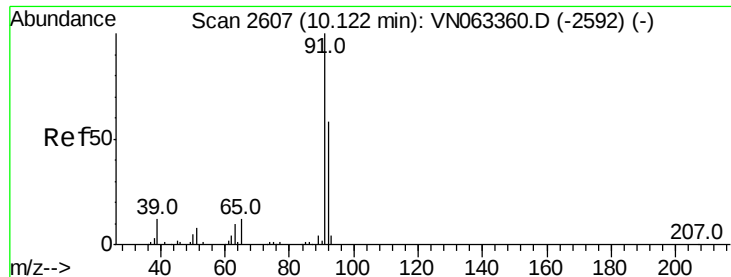
#50
Toluene-d8
Concen: 50.090 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063706.D
Acq: 28 Sep 2020 15:33

Tgt Ion: 98 Resp: 531379
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.216 ug/l

RT: 10.13 min Scan# 2610

Delta R.T. 0.01 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

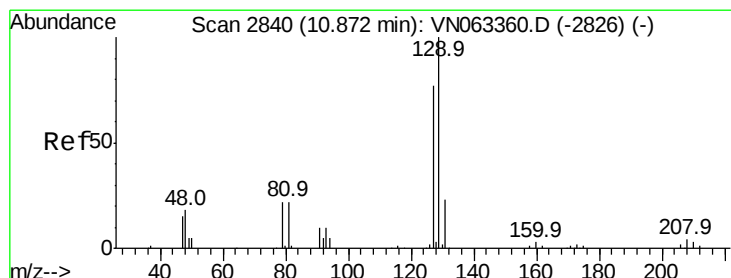
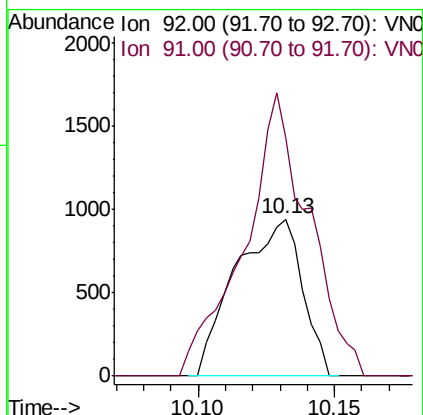
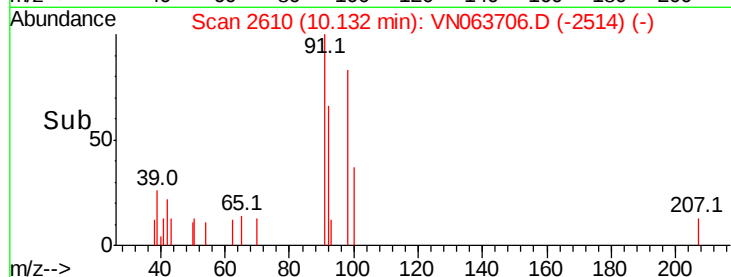
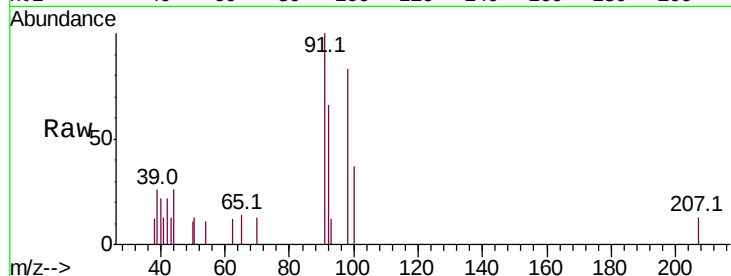
BLUE-FRAC-TANK

Tot Ion: 92 Resp: 1611

Ion Ratio Lower Upper

92 100

91 172.9 139.7 209.5



#60

Dibromochloromethane

Concen: 1.003 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN063706.D

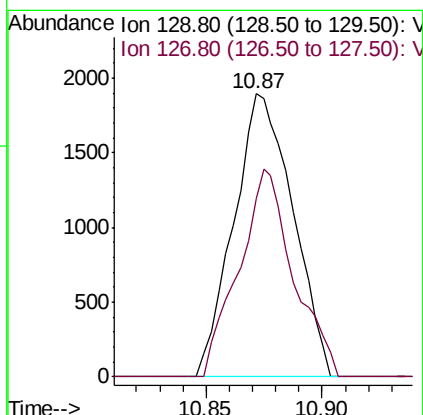
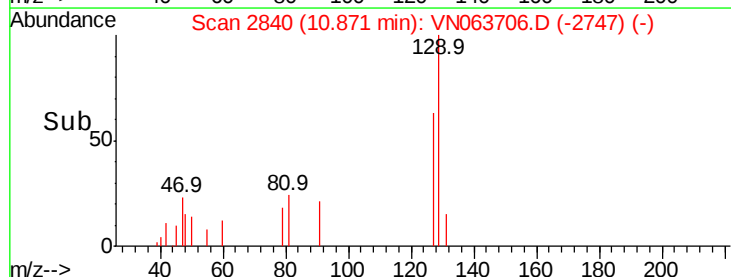
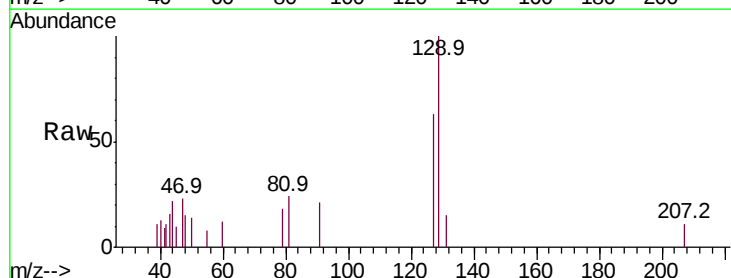
Acq: 28 Sep 2020 15:33

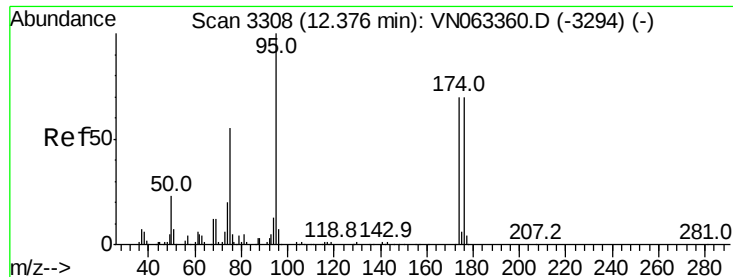
Tgt Ion: 129 Resp: 3355

Ion Ratio Lower Upper

129 100

127 67.8 39.1 117.3





#62

4-Bromofluorobenzene

Concen: 53.655 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

BLUE-FRAC-TANK

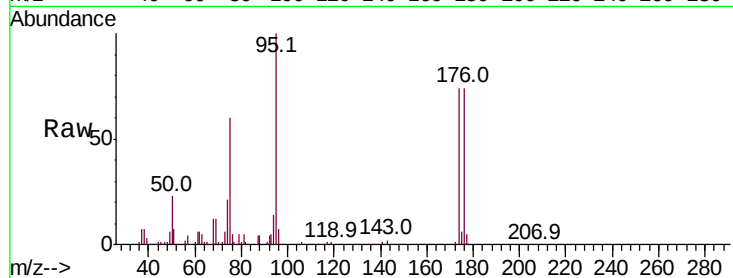
Tot Ion: 95 Resp: 208657

Ion Ratio Lower Upper

95 100

174 74.1 0.0 140.8

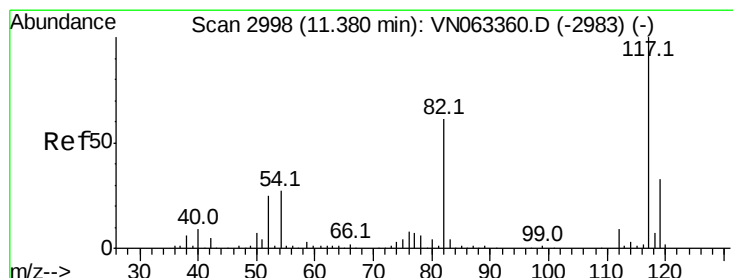
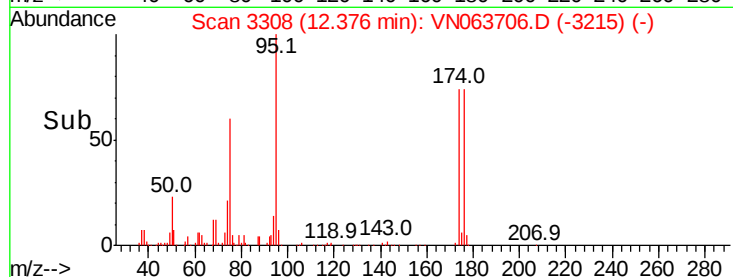
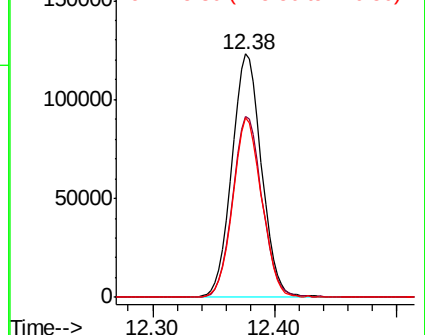
176 72.1 0.0 137.6



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: VN063706.D

Acq: 28 Sep 2020 15:33

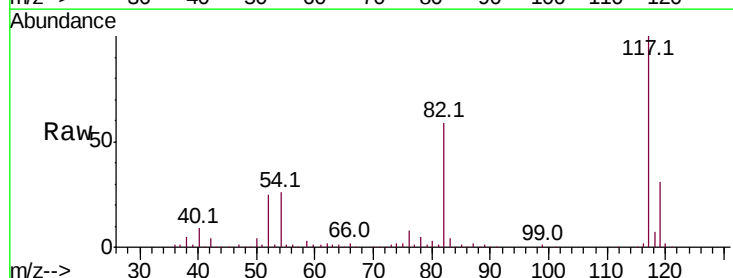
Tgt Ion: 117 Resp: 425331

Ion Ratio Lower Upper

117 100

82 59.5 49.2 73.8

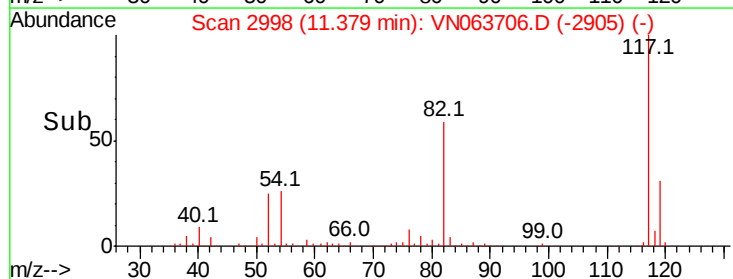
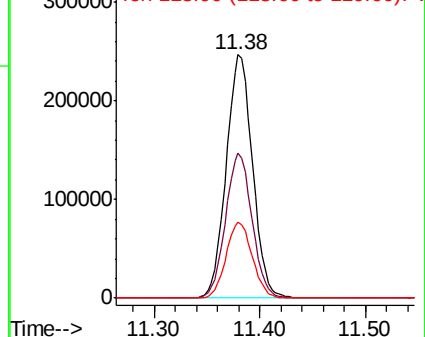
119 31.2 26.2 39.4

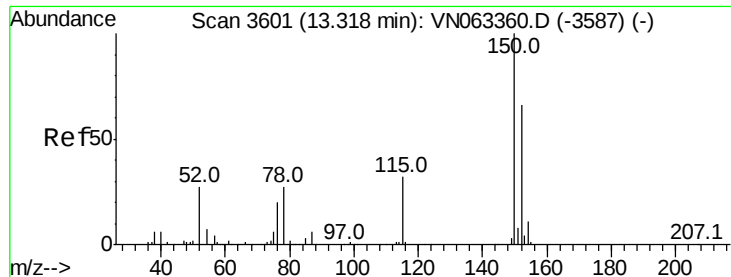


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

BLUE-FRAC-TANK

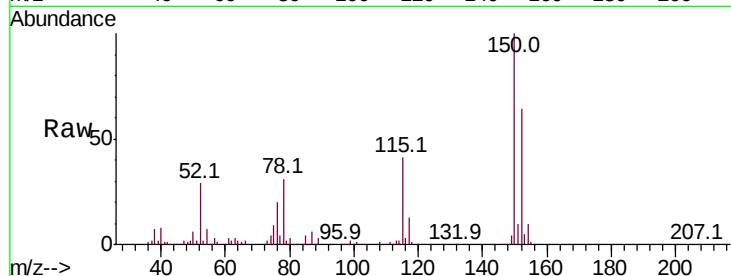
Tot Ion:152 Resp: 176298

Ion Ratio Lower Upper

152 100

115 64.0 32.2 96.6

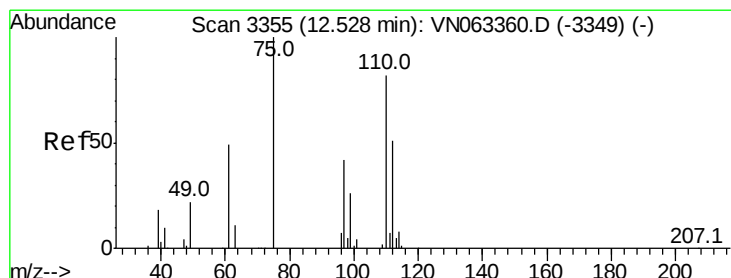
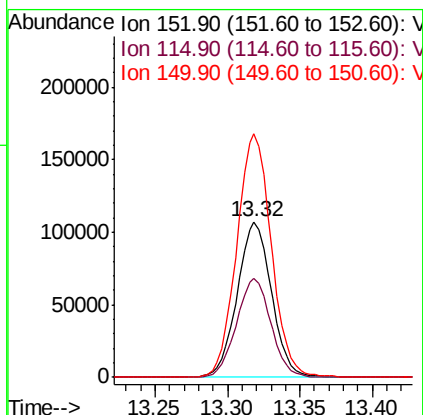
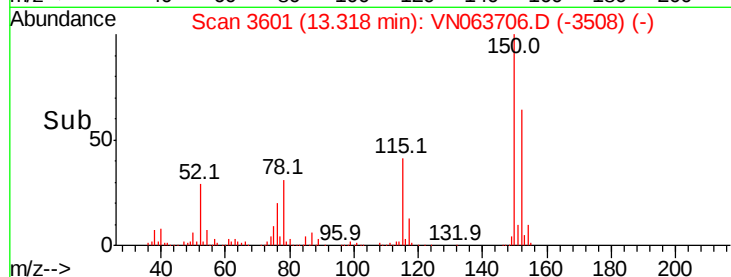
150 158.1 0.0 343.4



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: 27.636 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063706.D

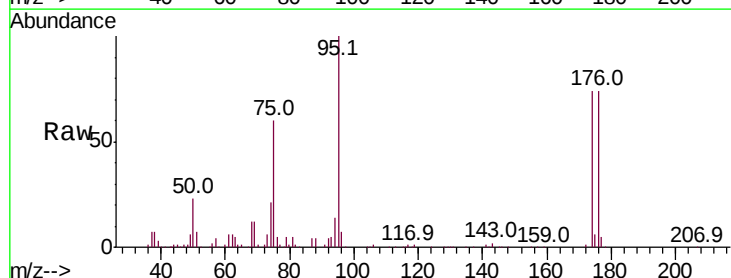
Acq: 28 Sep 2020 15:33

Tgt Ion: 75 Resp: 120593

Ion Ratio Lower Upper

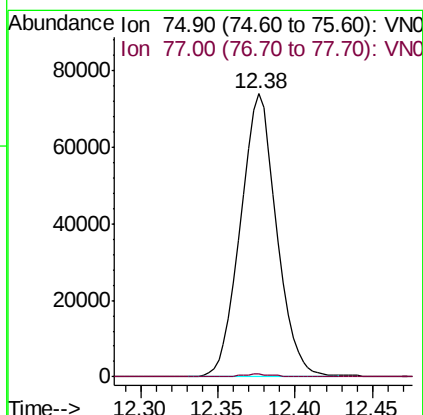
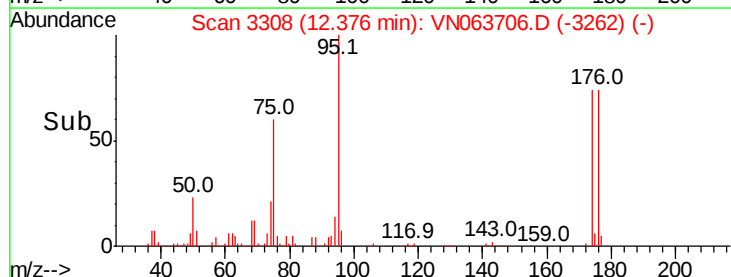
75 100

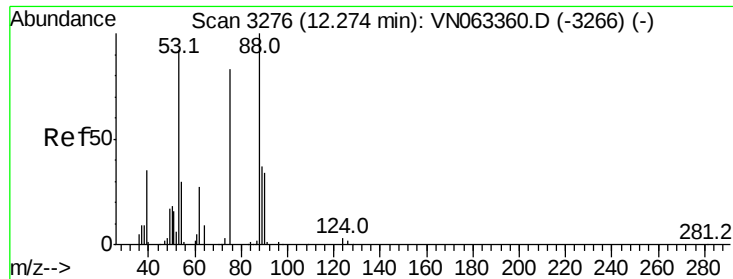
77 0.9 0.0 0.0#



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: 75.767 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063706.D

Acq: 28 Sep 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

BLUE-FRAC-TANK

Tot Ion: 75 Resp: 120593

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

