

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063463.D
 Acq On : 18 Sep 2020 17:25
 Operator : JC/MD
 Sample : L3871-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-091720

Quant Time: Sep 21 01:36:05 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	230616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	439244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	433553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184239	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	186616	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
35) Dibromofluoromethane	7.55	113	140028	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
50) Toluene-d8	10.06	98	560840	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	221324	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	

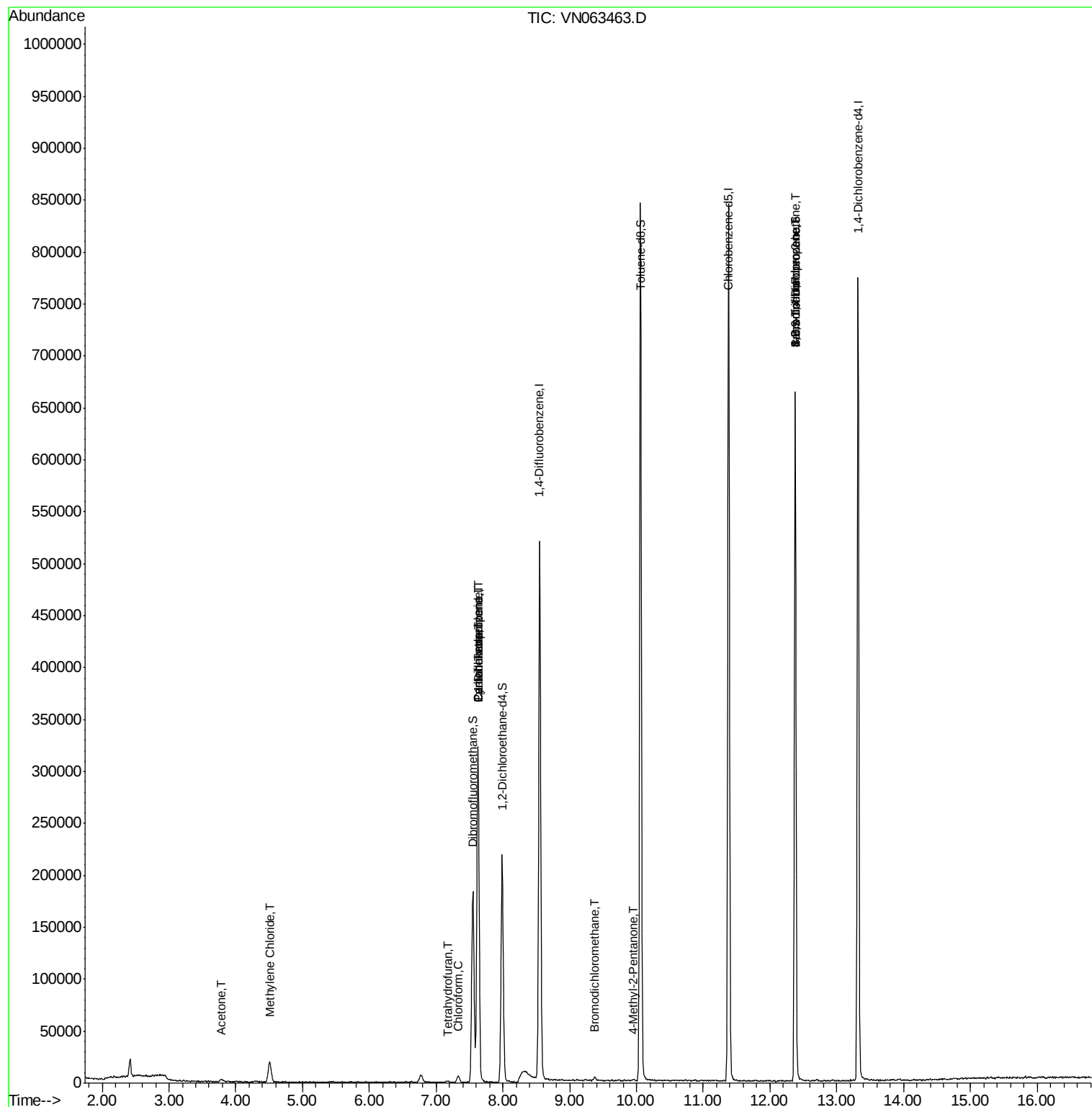
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	2189	1.735	ug/l #	80
20) Methylene Chloride	4.50	84	14235	4.453	ug/l	93
29) Tetrahydrofuran	7.19	42	1234	0.931	ug/l #	55
30) Chloroform	7.33	83	6139	1.068	ug/l	86
31) Cyclohexane	7.62	56	7093	1.308	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	22338	4.774	ug/l #	52
38) Carbon Tetrachloride	7.63	117	27066	5.666	ug/l #	17
47) Bromodichloromethane	9.37	83	2302	0.463	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	1224	0.266	ug/l #	64
71) Bromoform	12.37	173	638	0.254	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	124207	27.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124207	74.674	ug/l #	7

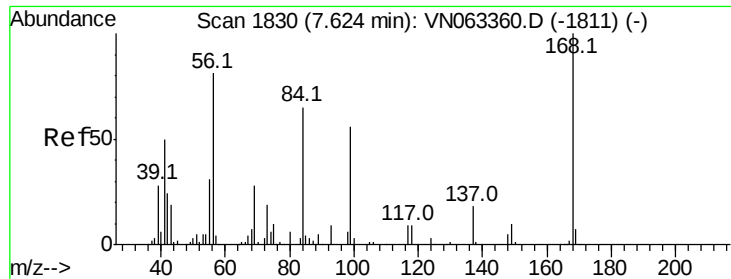
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091820\
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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: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampled :

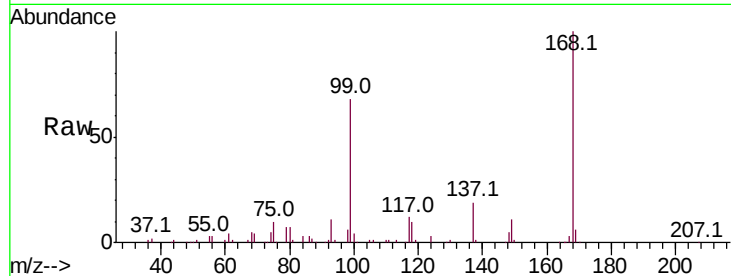
TR-08-091720

Tot Ion:168 Resp: 230616

Ion Ratio Lower Upper

168 100

99 67.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

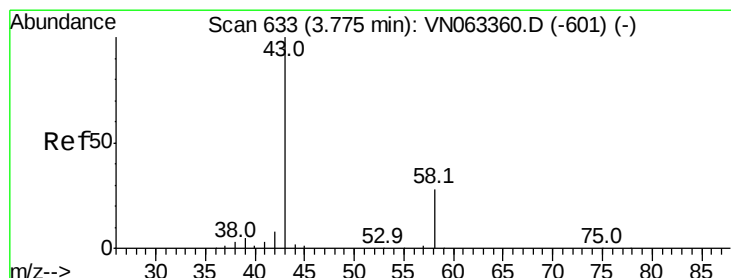
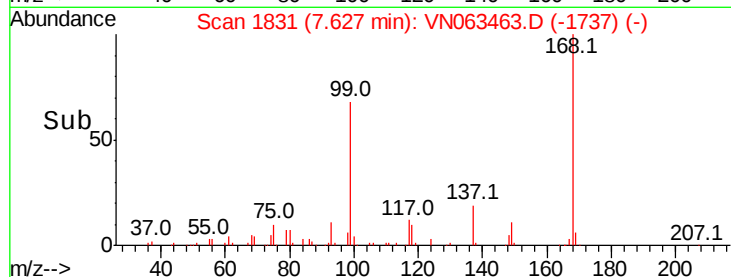
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 1.735 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063463.D

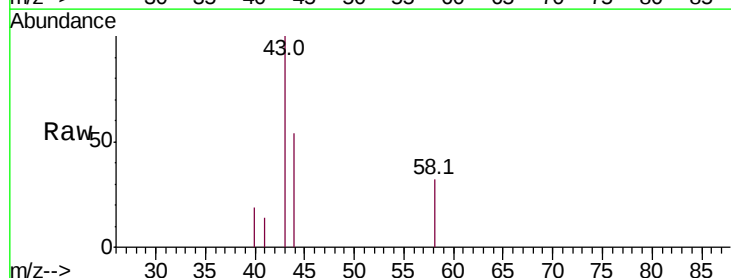
Acq: 18 Sep 2020 17:25

Tgt Ion: 43 Resp: 2189

Ion Ratio Lower Upper

43 100

58 38.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

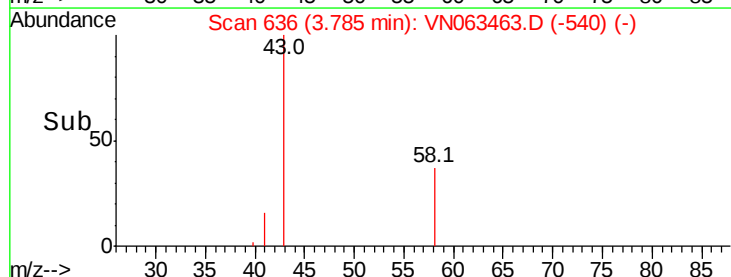
1500

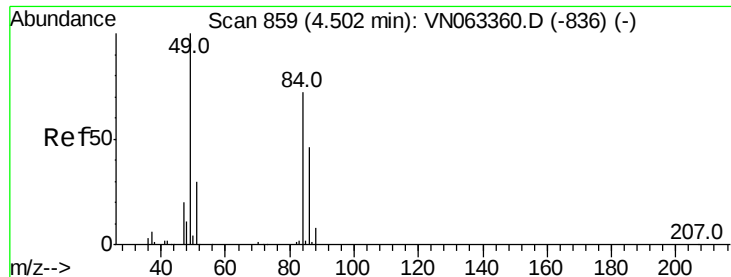
1000

500

0

Time--> 3.75 3.80 3.85

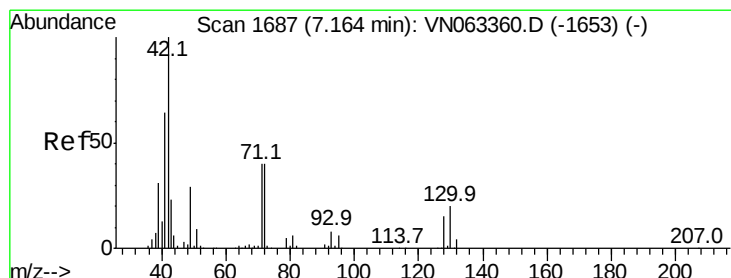
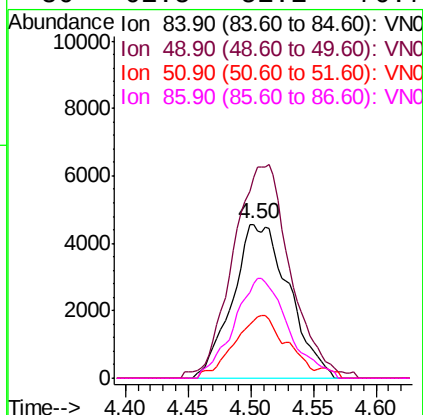
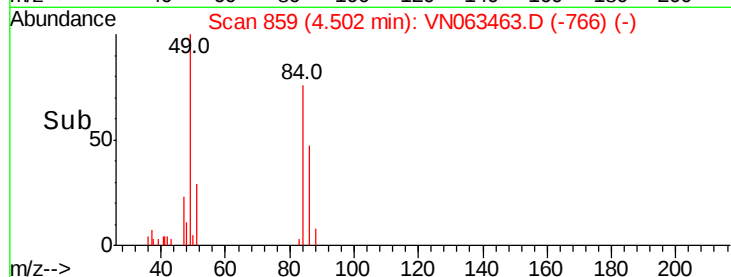
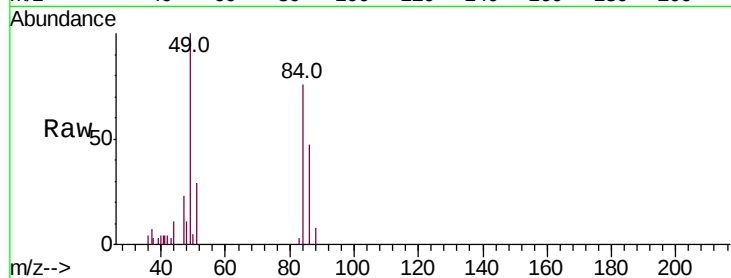




#20
Methylene Chloride
Concen: 4.453 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063463.D
Acq: 18 Sep 2020 17:25

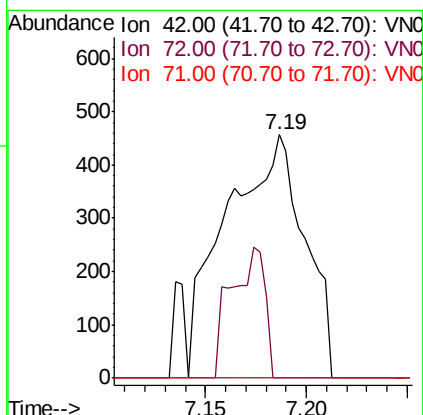
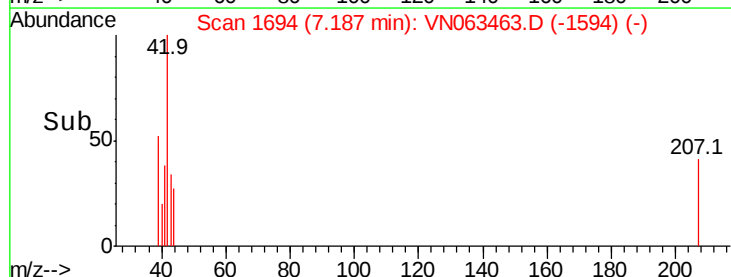
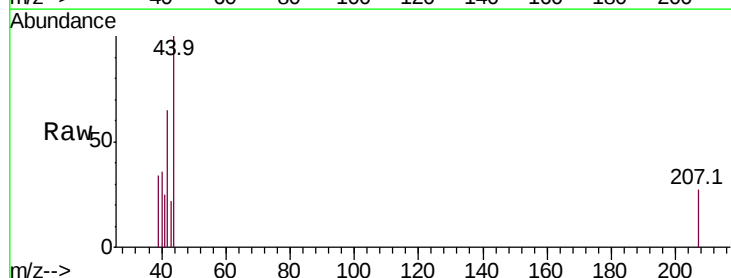
Instrument :
MSVOA_N
ClientSampleId :
TR-08-091720

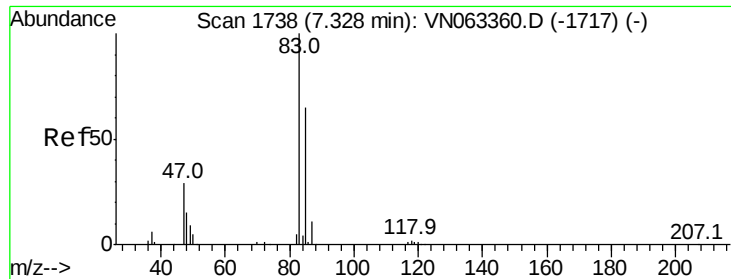
Tot Ion:	84	Resp:	14235
Ion	Ratio	Lower	Upper
84	100		
49	126.9	110.7	166.1
51	37.7	32.9	49.3
86	61.5	51.1	76.7



#29
Tetrahydrofuran
Concen: 0.931 ug/l
RT: 7.19 min Scan# 1694
Delta R.T. 0.02 min
Lab File: VN063463.D
Acq: 18 Sep 2020 17:25

Tgt Ion:	42	Resp:	1234
Ion	Ratio	Lower	Upper
42	100		
72	23.3	32.1	48.1#
71	0.0	31.2	46.8#





#30

Chloroform

Concen: 1.068 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampled :

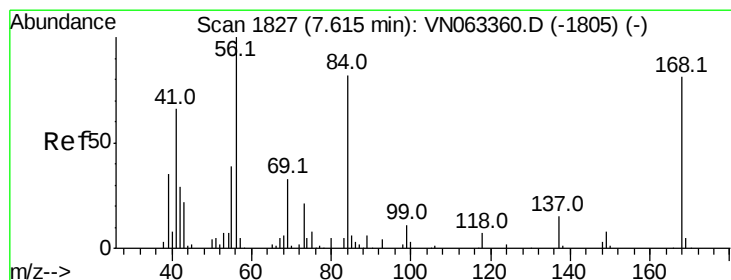
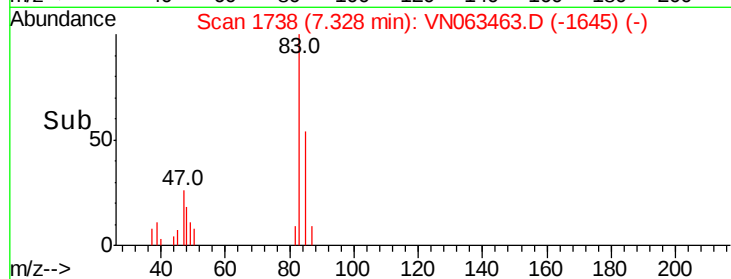
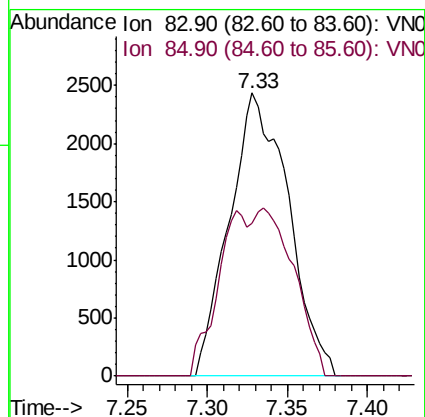
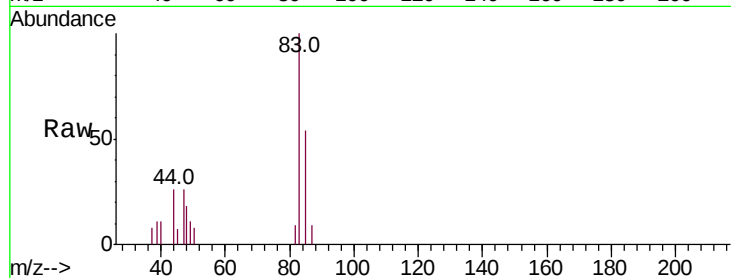
TR-08-091720

Tot Ion: 83 Resp: 6139

Ion Ratio Lower Upper

83 100

85 53.9 52.1 78.1



#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

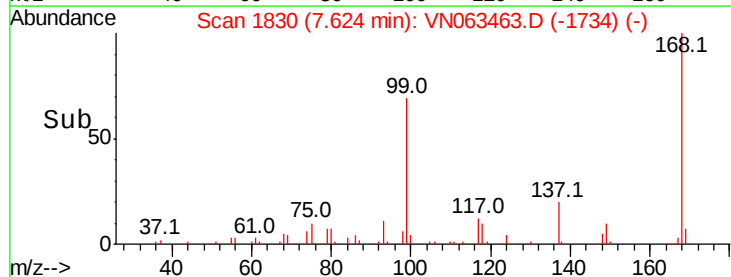
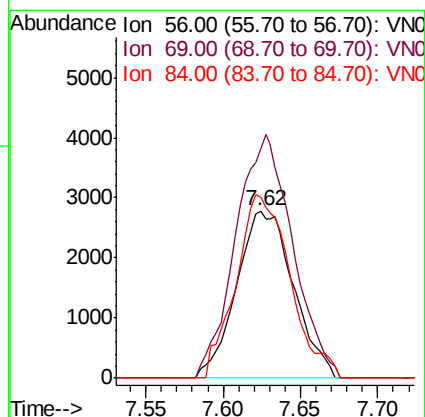
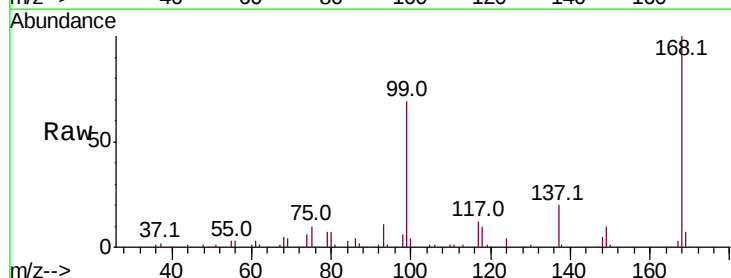
Tgt Ion: 56 Resp: 7093

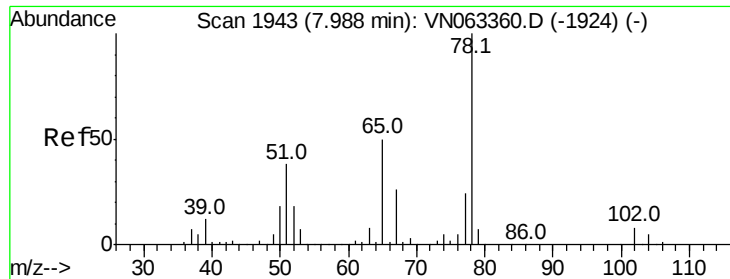
Ion Ratio Lower Upper

56 100

69 136.8 26.1 39.1#

84 107.7 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 47.537 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

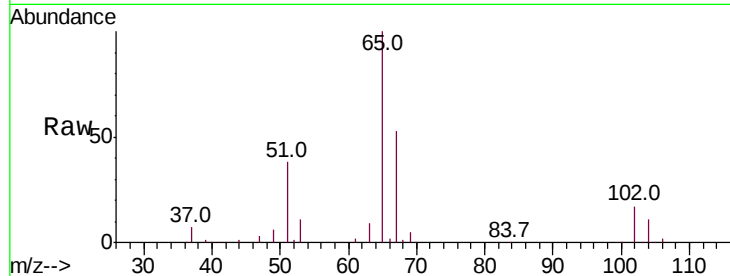
TR-08-091720

Tot Ion: 65 Resp: 186616

Ion Ratio Lower Upper

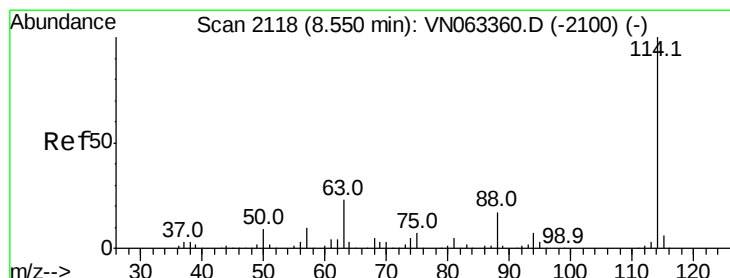
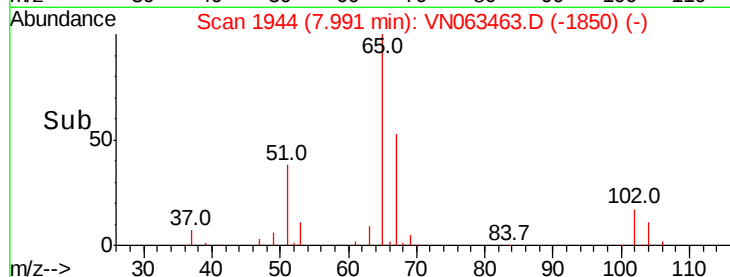
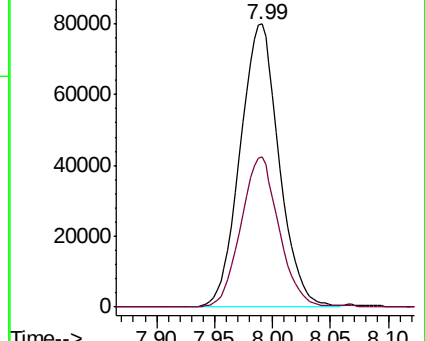
65 100

67 52.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

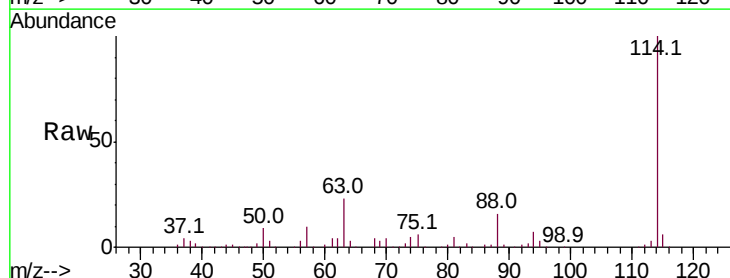
Tgt Ion: 114 Resp: 439244

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

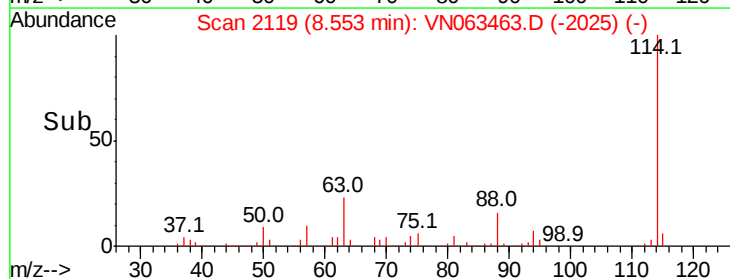
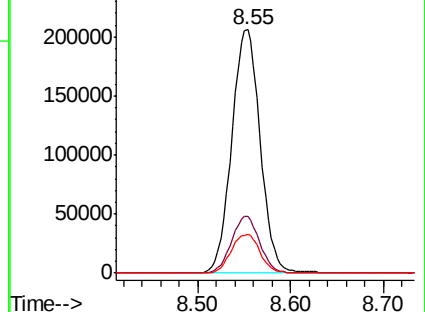
88 15.8 0.0 33.2

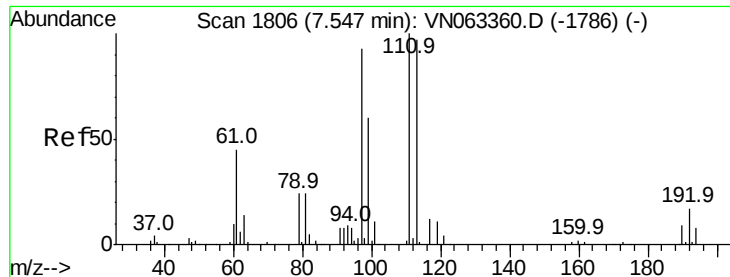


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

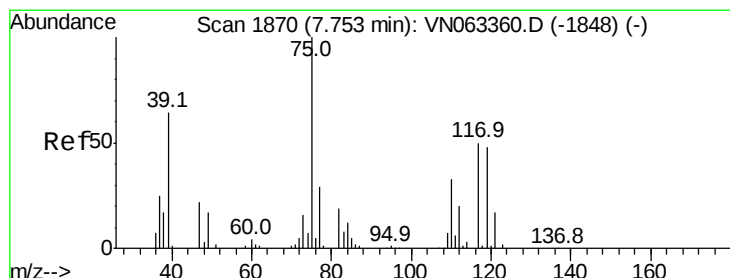
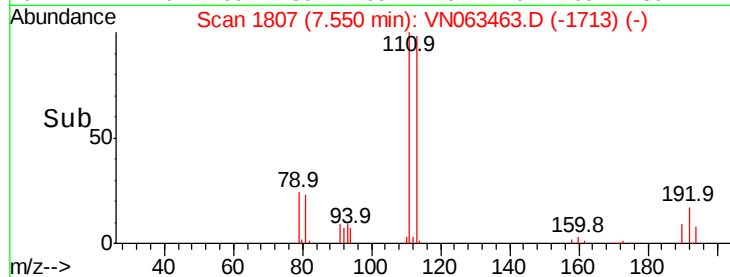
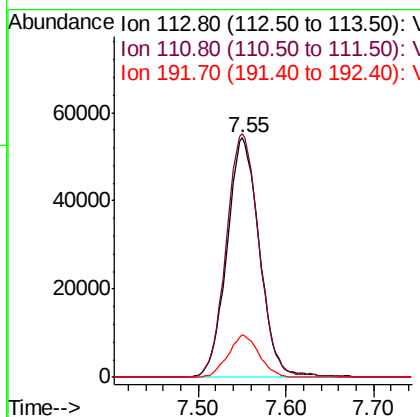
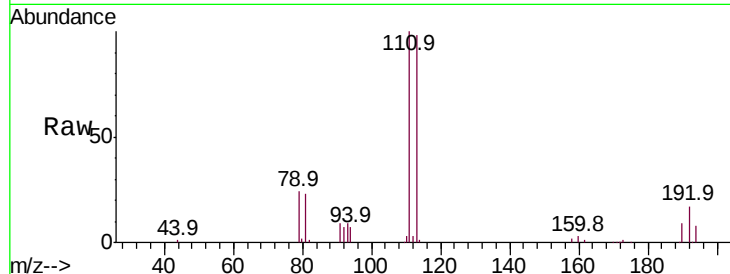




#35
 Dibromofluoromethane
 Concen: 46.050 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063463.D
 Acq: 18 Sep 2020 17:25

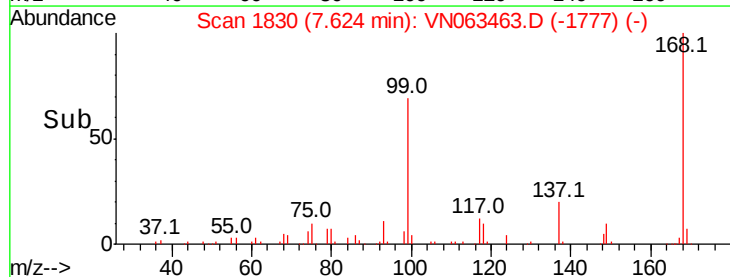
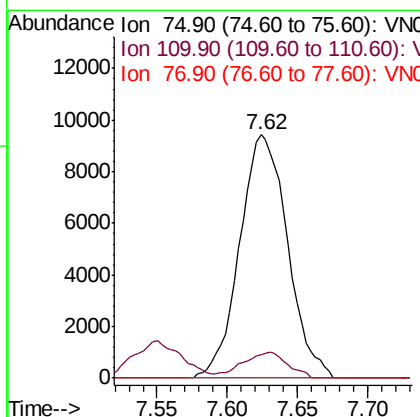
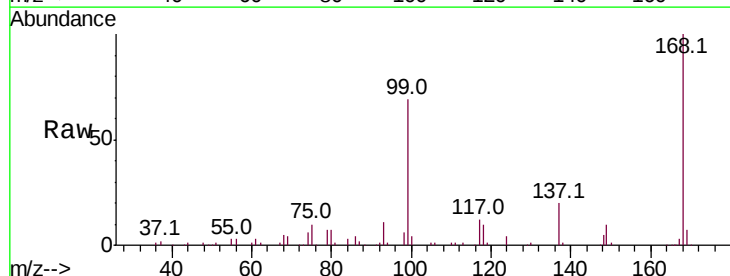
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-091720

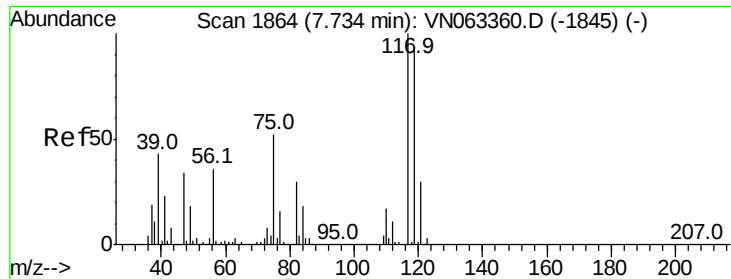
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	16.9	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063463.D
 Acq: 18 Sep 2020 17:25

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





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

TR-08-091720

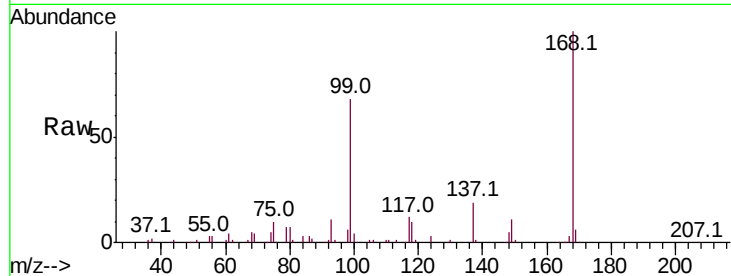
Tot Ion:117 Resp: 27066

Ion Ratio Lower Upper

117 100

119 4.7 74.5 111.7#

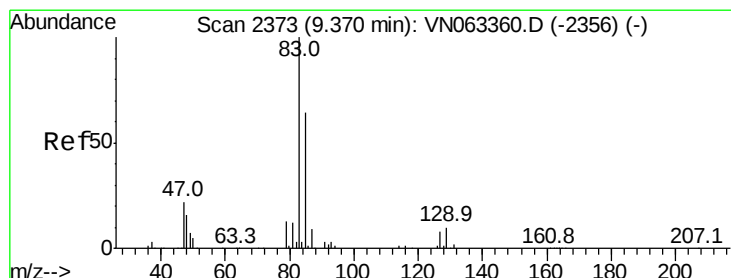
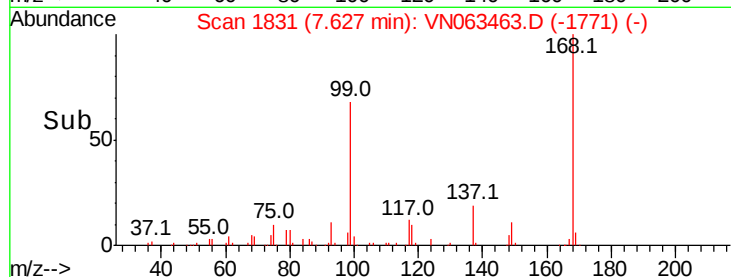
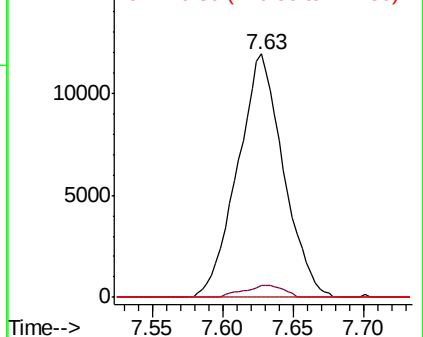
121 0.0 24.1 36.1#



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: 0.463 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

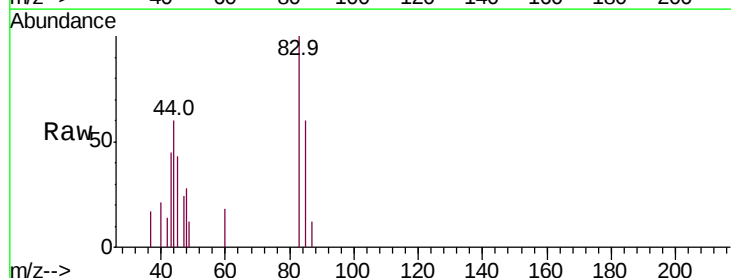
Tgt Ion: 83 Resp: 2302

Ion Ratio Lower Upper

83 100

85 59.8 51.0 76.6

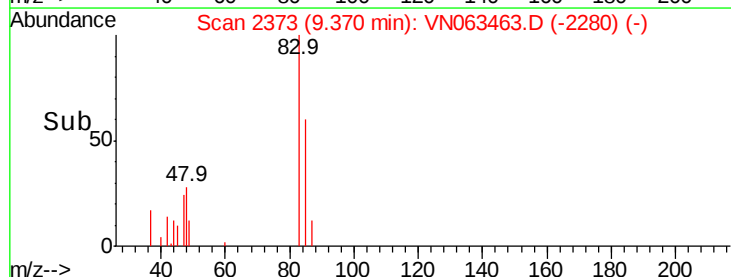
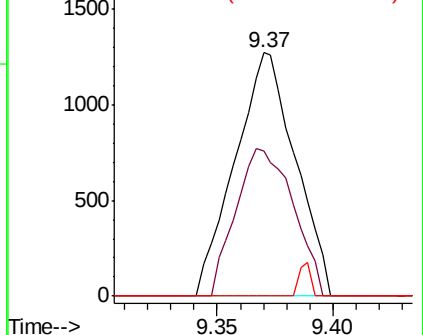
127 0.0 6.3 9.5#

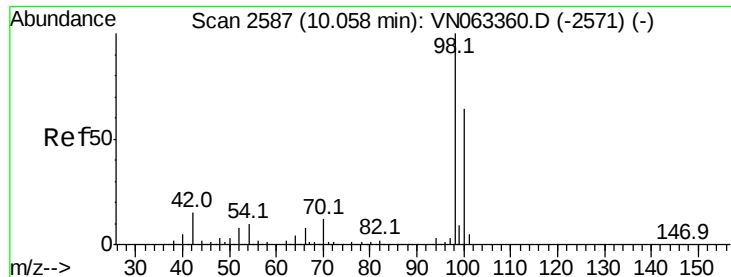


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 49.050 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

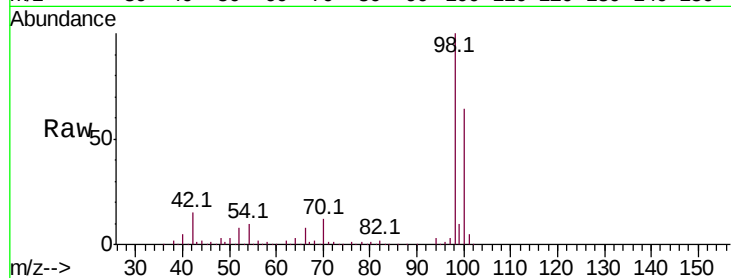
TR-08-091720

Tot Ion: 98 Resp: 560840

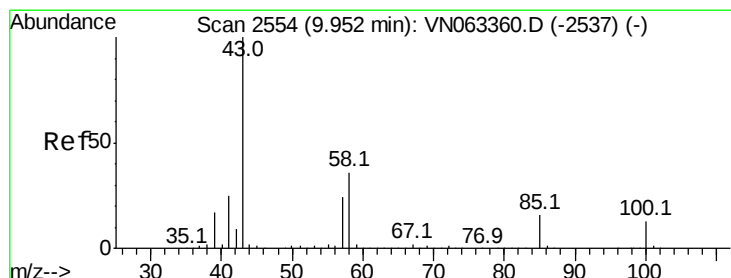
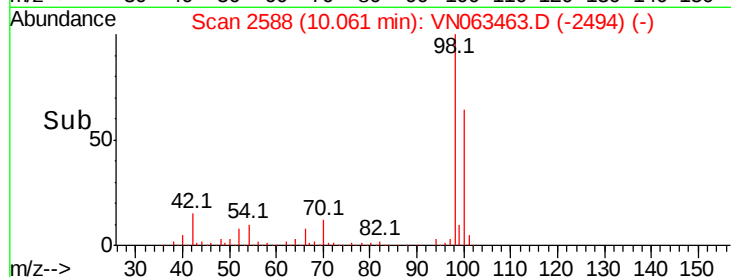
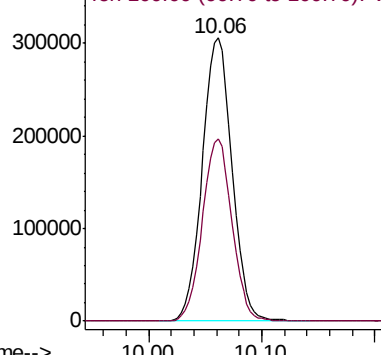
Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.266 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063463.D

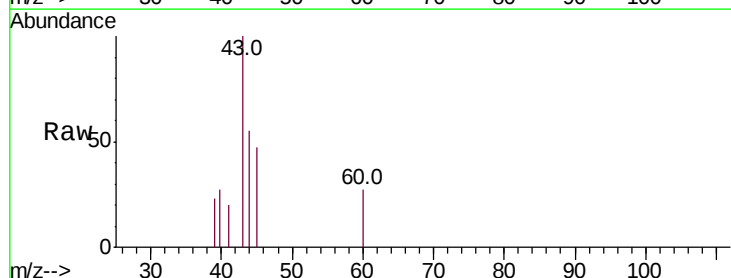
Acq: 18 Sep 2020 17:25

Tgt Ion: 43 Resp: 1224

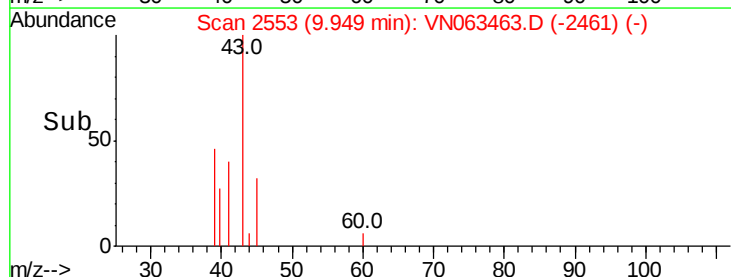
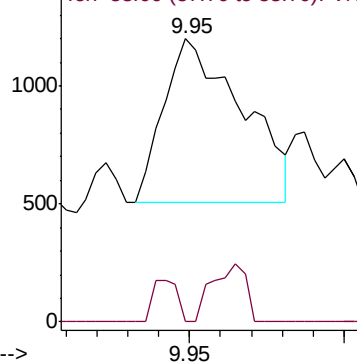
Ion Ratio Lower Upper

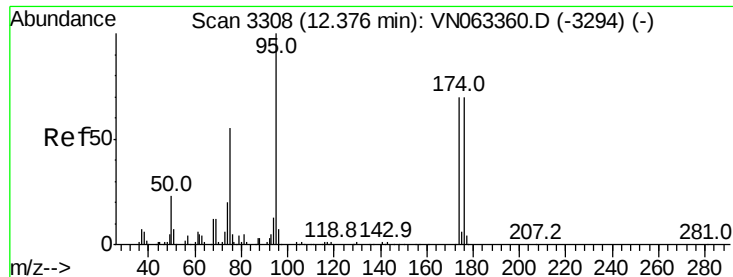
43 100

58 15.3 29.0 43.6#



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

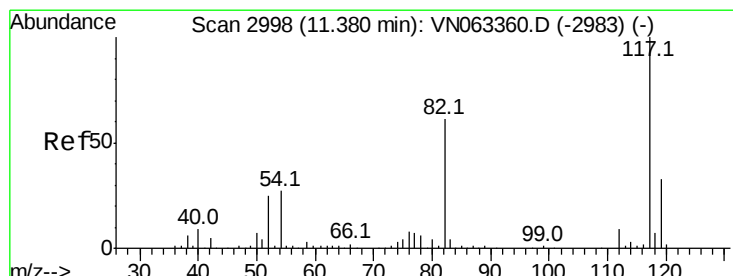
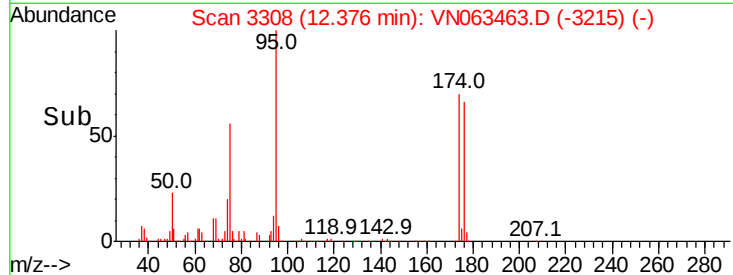
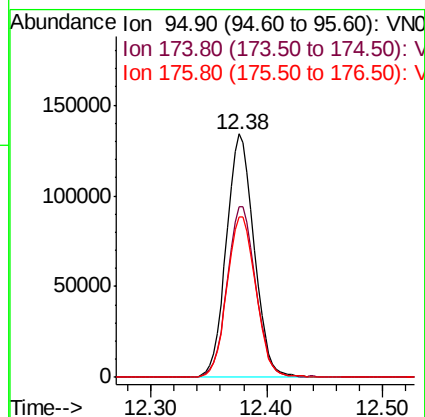
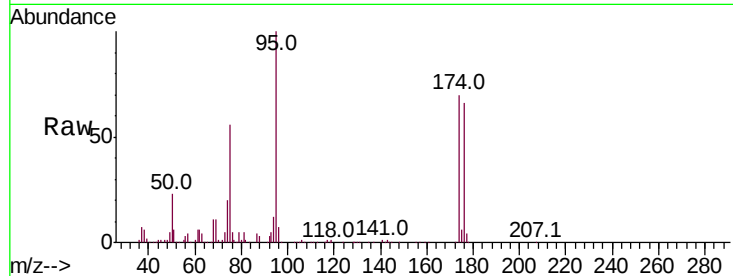




#62
4-Bromofluorobenzene
Concen: 52.803 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063463.D
Acq: 18 Sep 2020 17:25

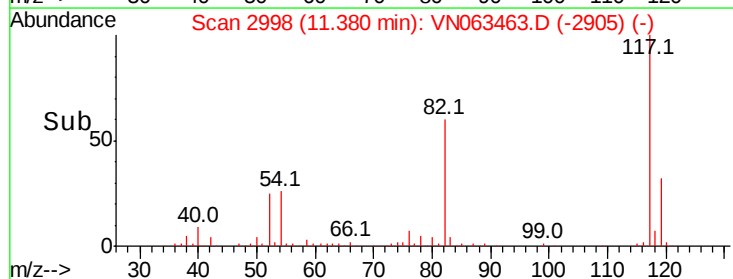
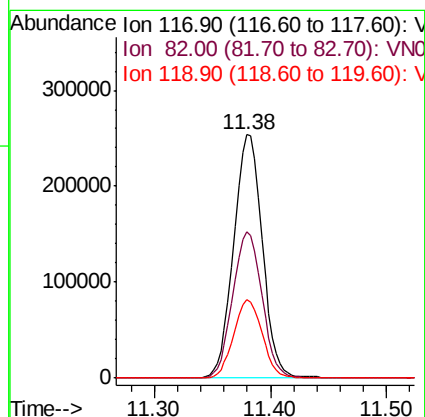
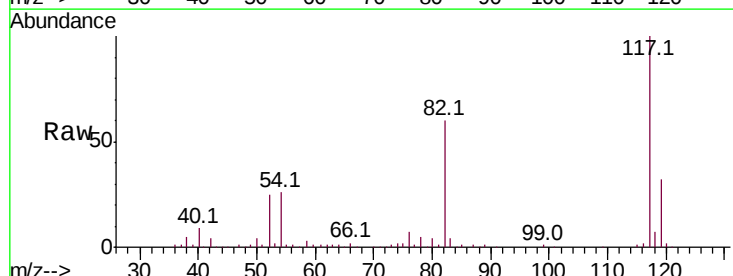
Instrument :
MSVOA_N
ClientSampleId :
TR-08-091720

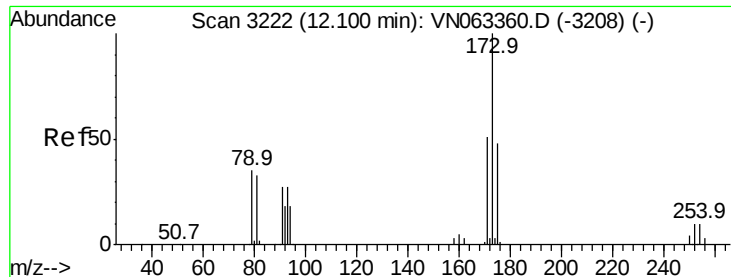
Tot Ion: 95 Resp: 221324
Ion Ratio Lower Upper
95 100
174 71.6 0.0 140.8
176 68.7 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063463.D
Acq: 18 Sep 2020 17:25

Tgt Ion: 117 Resp: 433553
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 32.0 26.2 39.4





#71

Bromoform

Concen: 0.254 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

TR-08-091720

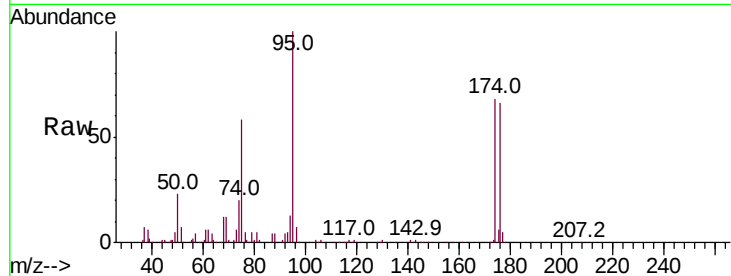
Tot Ion:173 Resp: 638

Ion Ratio Lower Upper

173 100

175 1592.5 24.0 72.0#

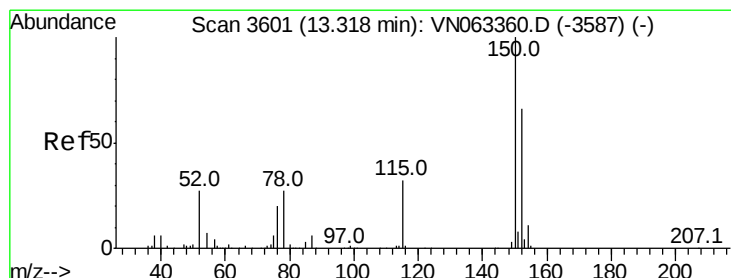
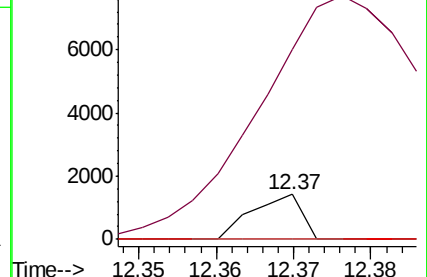
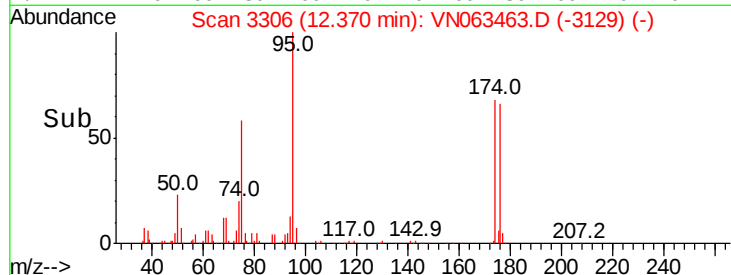
254 0.0 0.0 0.0



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: VN063463.D

Acq: 18 Sep 2020 17:25

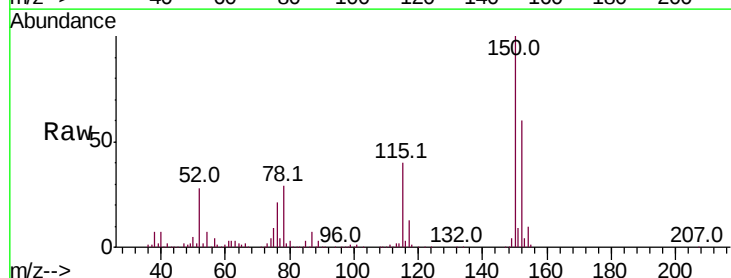
Tgt Ion:152 Resp: 184239

Ion Ratio Lower Upper

152 100

115 64.3 32.2 96.6

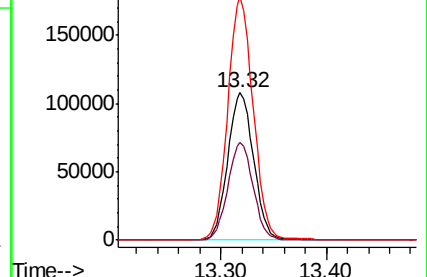
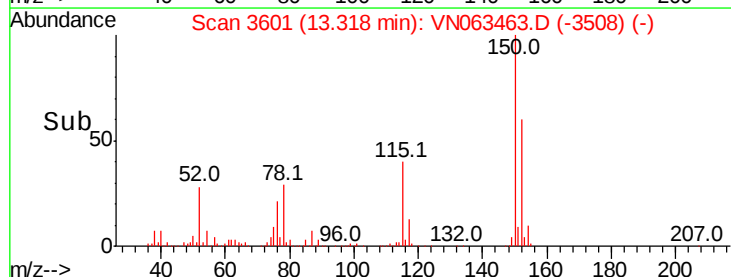
150 161.3 0.0 343.4

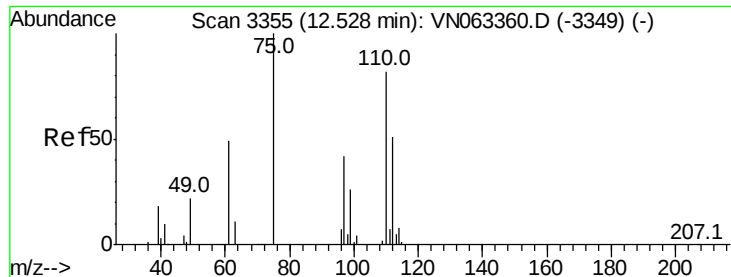


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.237 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

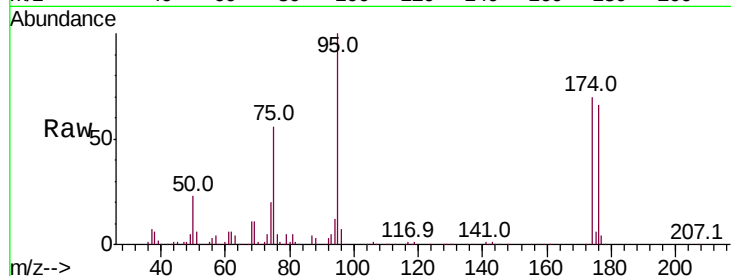
TR-08-091720

Tot Ion: 75 Resp: 124207

Ion Ratio Lower Upper

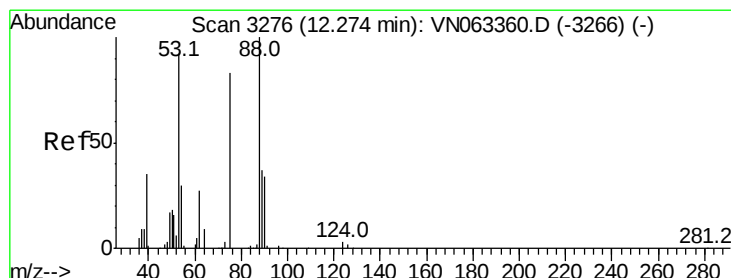
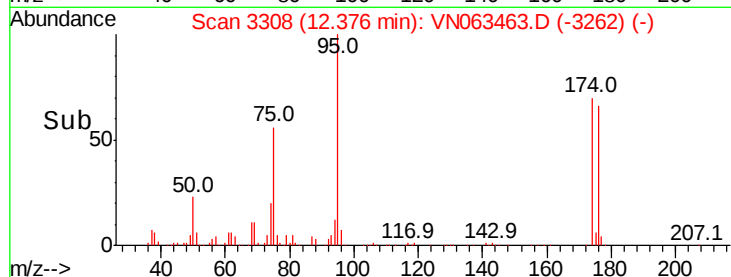
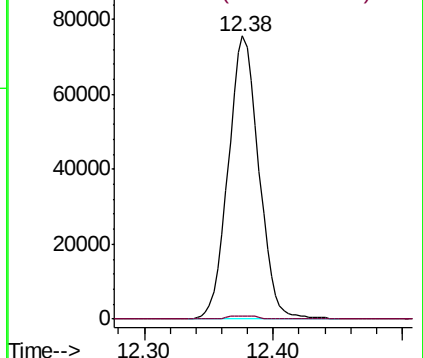
75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.674 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

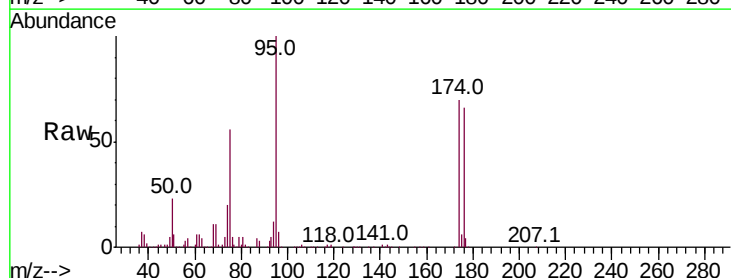
Tgt Ion: 75 Resp: 124207

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

