

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061792.D
 Acq On : 12 Jun 2020 15:37
 Operator : JC/MD
 Sample : L2988-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20200609

Quant Time: Jun 13 05:12:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	459682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	454886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204668	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	153659	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
35) Dibromofluoromethane	7.55	113	133355	57.19	ug/l	0.00
Spiked Amount			Recovery	=	114.38%	
50) Toluene-d8	10.06	98	556018	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.38	95	191856	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	

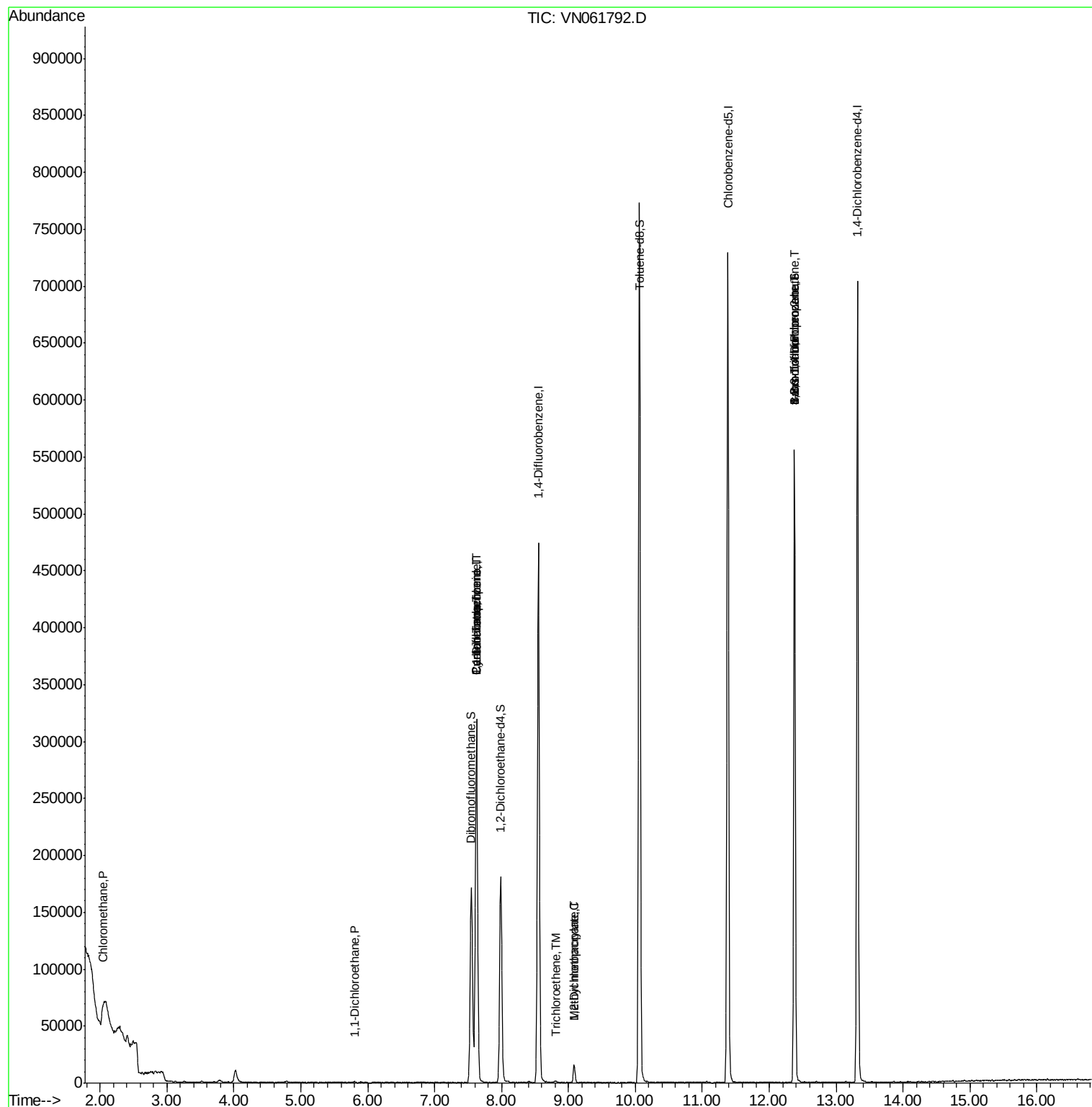
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	2322	0.697	ug/l	97
16) Acetone	3.78	43	3973	Below Cal		95
24) 1,1-Dichloroethane	5.81	63	1718	0.337	ug/l #	81
31) Cyclohexane	7.63	56	4917	1.072	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	18019	4.428	ug/l #	49
38) Carbon Tetrachloride	7.62	117	26027	6.631	ug/l #	16
44) Trichloroethene	8.80	130	824	0.214	ug/l	87
45) 1,2-Dichloropropane	9.09	63	6213	2.084	ug/l #	85
48) Methyl methacrylate	9.09	41	3124	1.178	ug/l #	21
71) Bromoform	12.37	173	1789	0.659	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	91779	24.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	91779	63.064	ug/l #	15

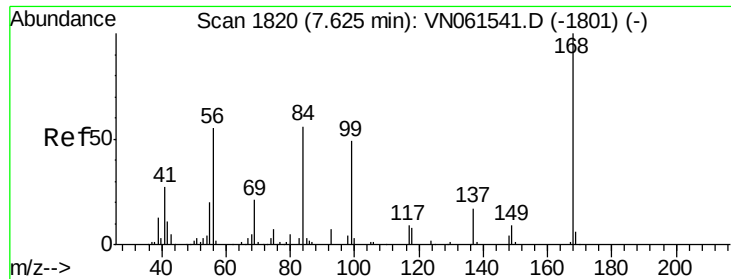
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061220\
Data File : VN061792.D
Acq On : 12 Jun 2020 15:37
Operator : JC/MD
Sample : L2988-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20200609

Quant Time: Jun 13 05:12:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

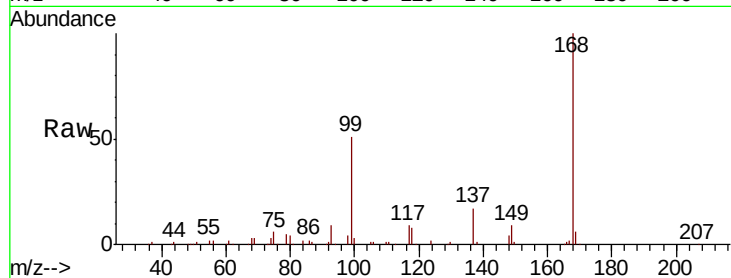
RE135D2-20200609

Tot Ion:168 Resp: 273263

Ion Ratio Lower Upper

168 100

99 50.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061792.D

Ion 98.90 (98.60 to 99.60): VN061792.D

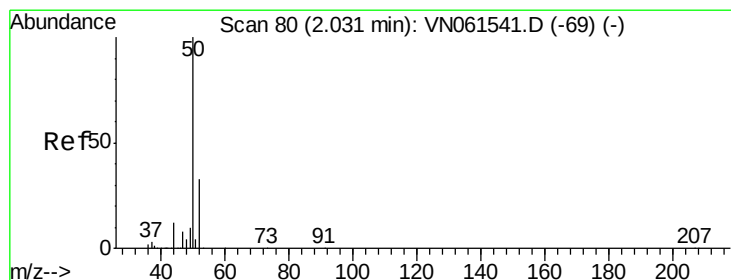
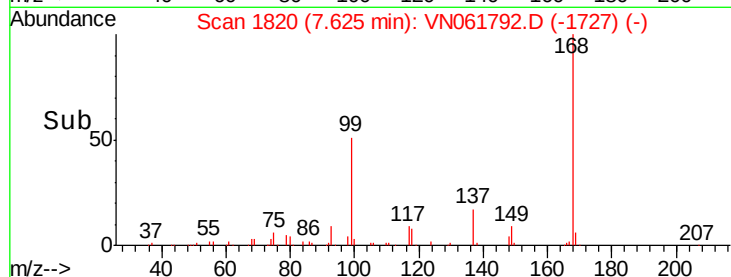
7.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.697 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061792.D

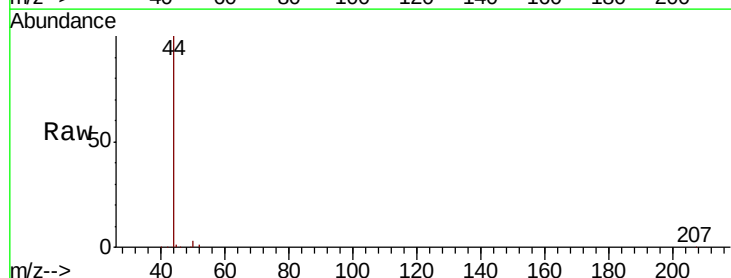
Acq: 12 Jun 2020 15:37

Tgt Ion: 50 Resp: 2322

Ion Ratio Lower Upper

50 100

52 31.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061792.D

Ion 51.90 (51.60 to 52.60): VN061792.D

2.03

2000

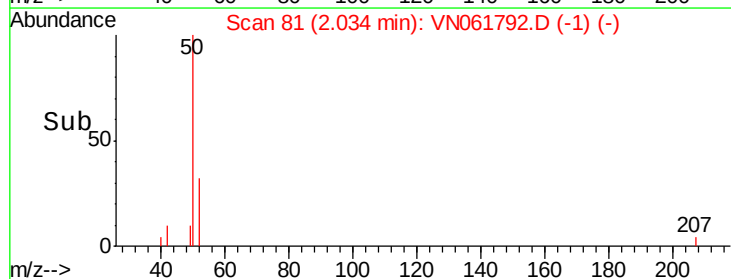
1500

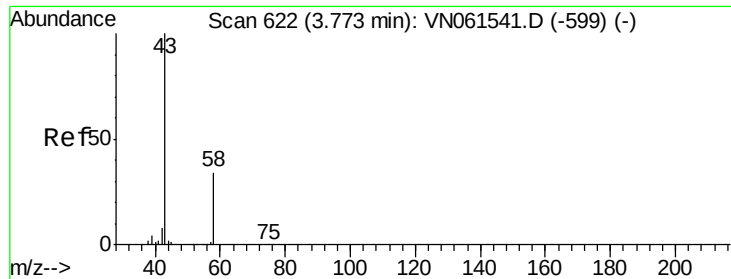
1000

500

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

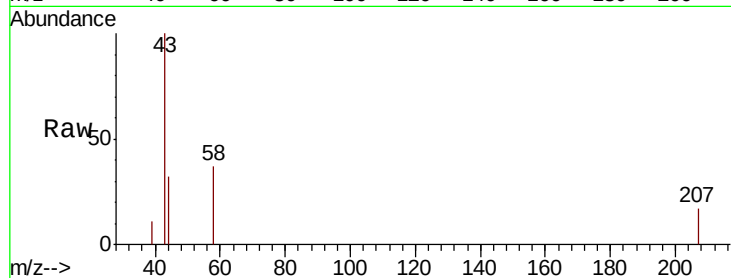
RE135D2-20200609

Tot Ion: 43 Resp: 3973

Ion Ratio Lower Upper

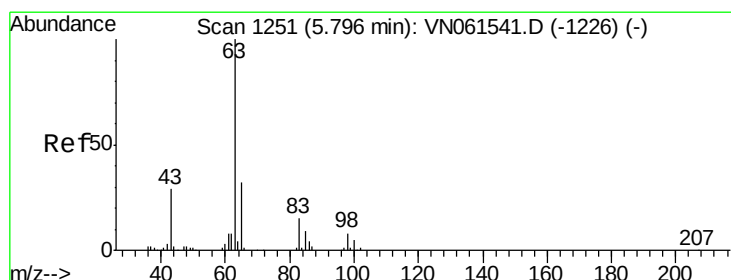
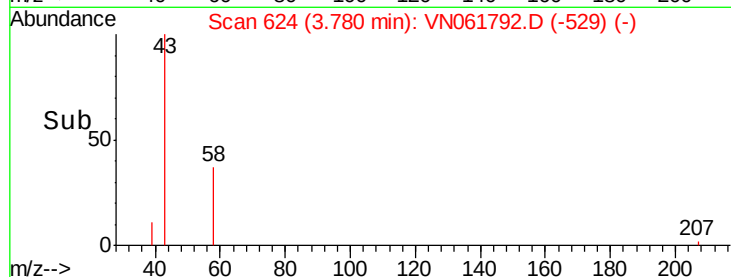
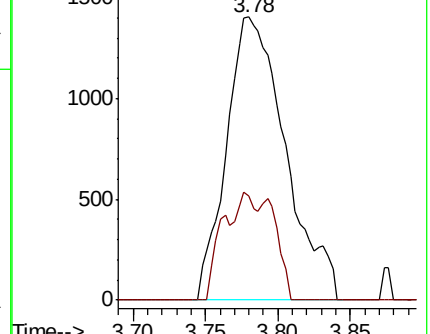
43 100

58 37.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#24

1,1-Dichloroethane

Concen: 0.337 ug/l

RT: 5.81 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

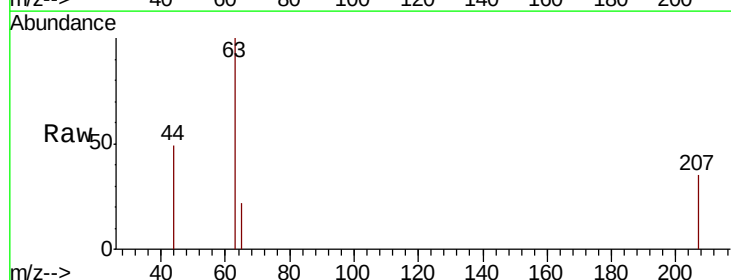
Tgt Ion: 63 Resp: 1718

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.4#

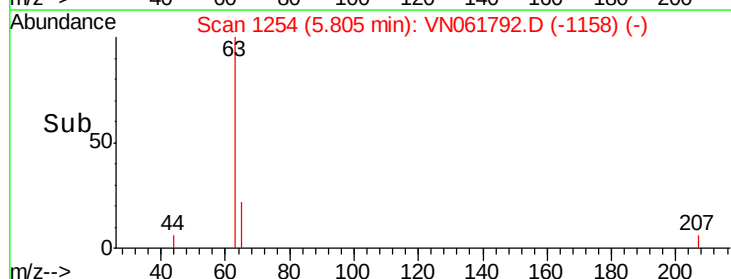
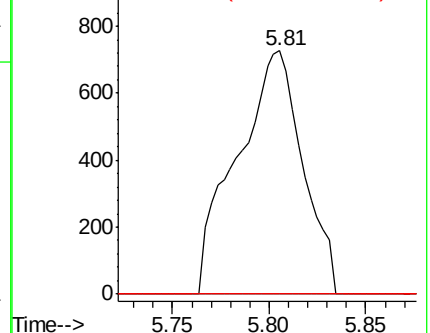
100 0.0 2.5 7.6#

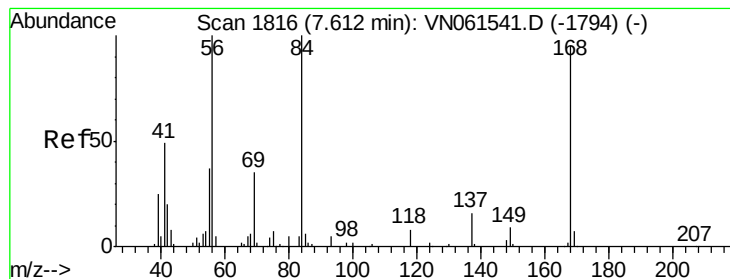


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20200609

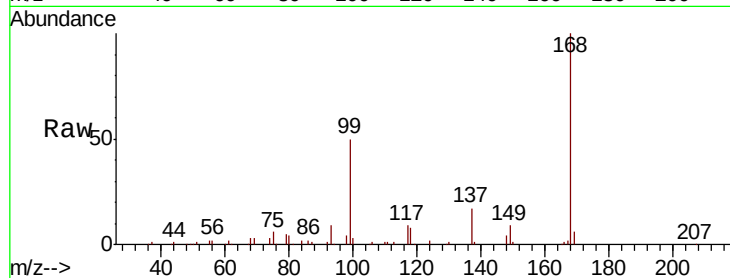
Tot Ion: 56 Resp: 4917

Ion Ratio Lower Upper

56 100

69 185.4 27.8 41.8#

84 121.0 79.9 119.9#

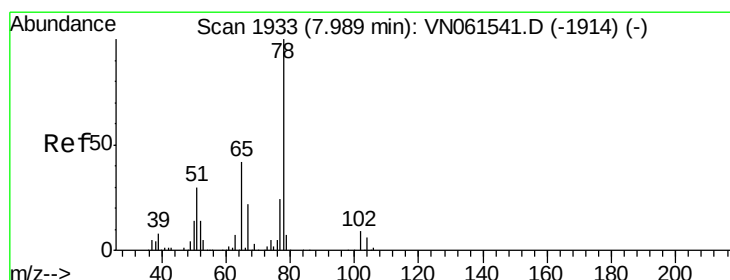
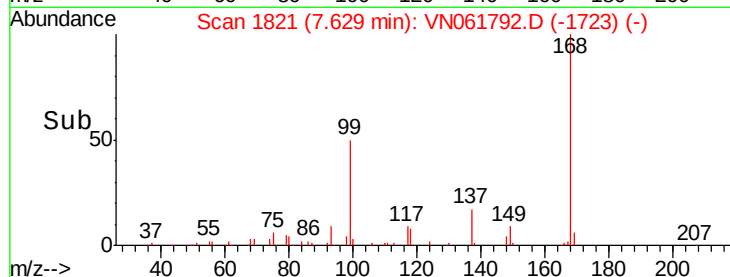
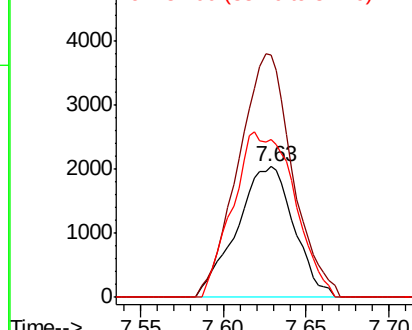


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 47.196 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061792.D

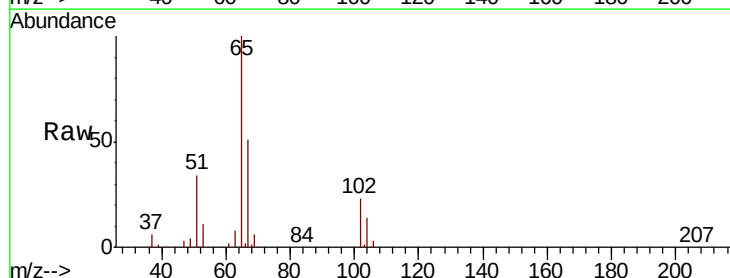
Acq: 12 Jun 2020 15:37

Tgt Ion: 65 Resp: 153659

Ion Ratio Lower Upper

65 100

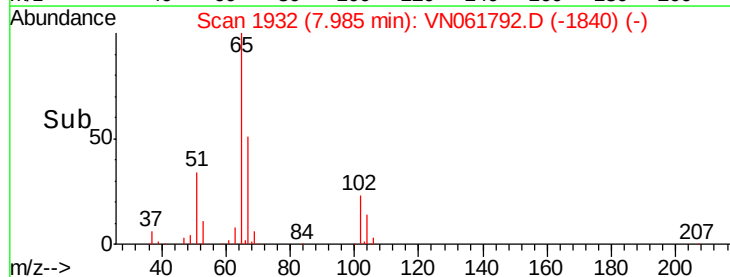
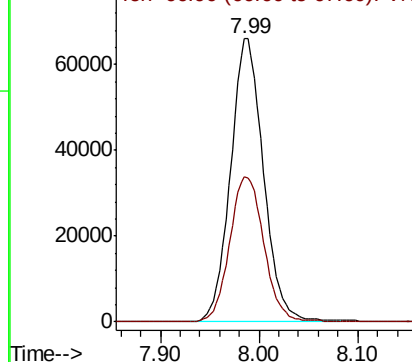
67 53.2 0.0 104.8

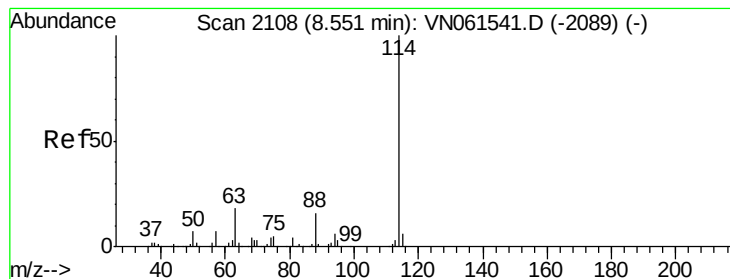


Abundance

Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20200609

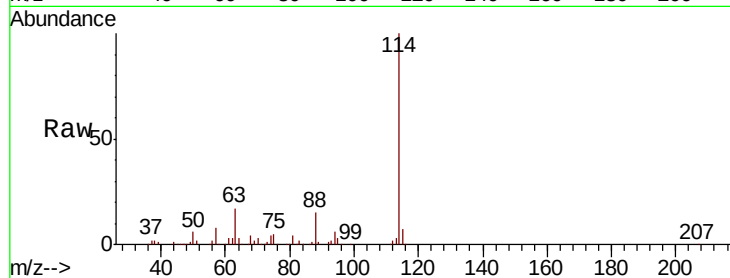
Tot Ion:114 Resp: 459682

Ion Ratio Lower Upper

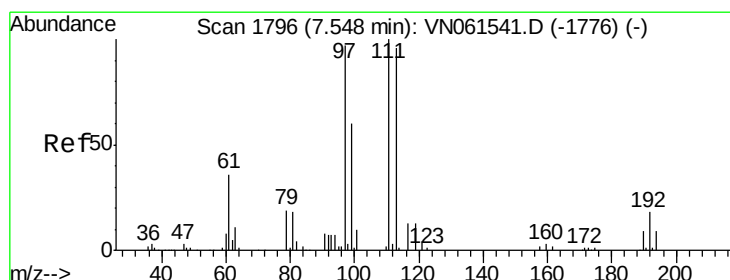
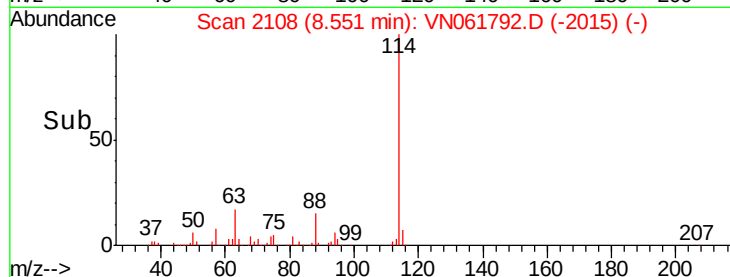
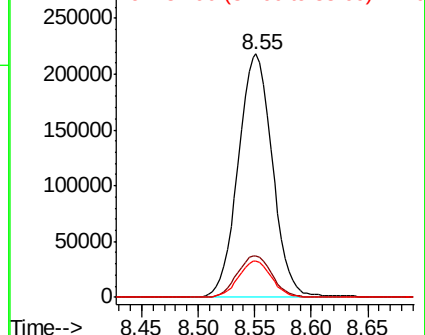
114 100

63 17.2 0.0 35.8

88 15.0 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 57.188 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

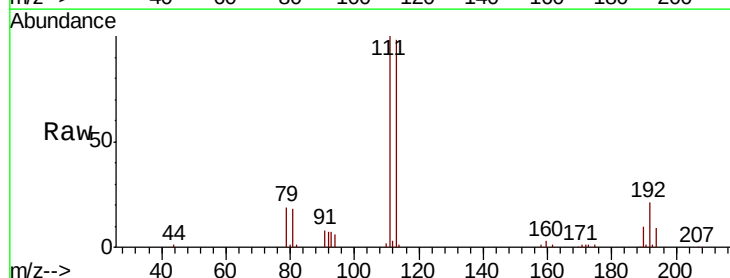
Tgt Ion:113 Resp: 133355

Ion Ratio Lower Upper

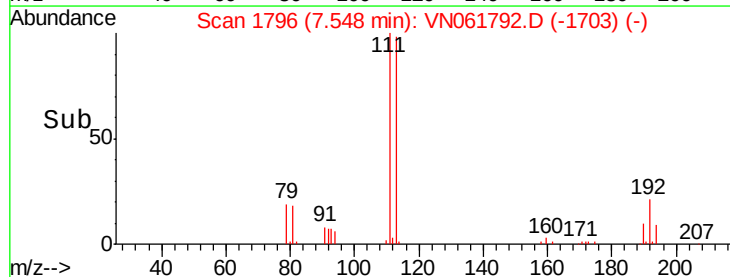
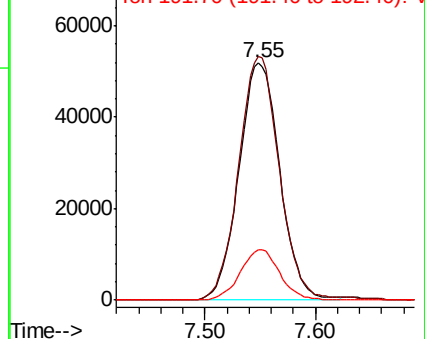
113 100

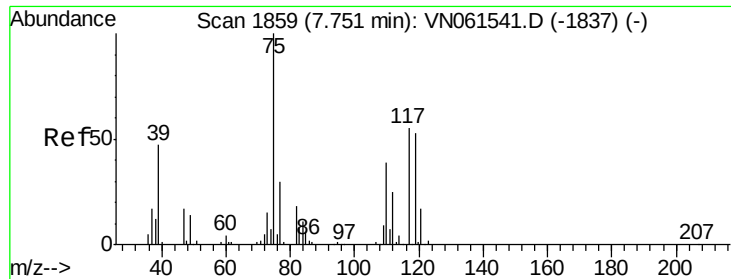
111 102.3 83.4 125.0

192 20.4 15.4 23.2



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

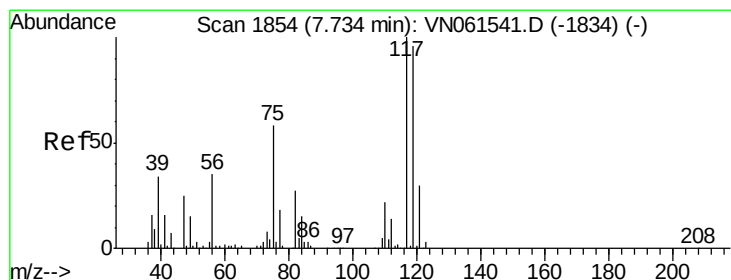
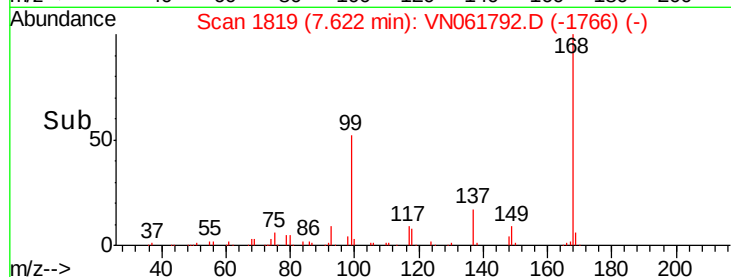
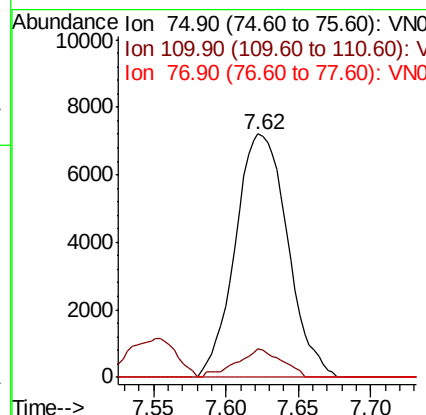
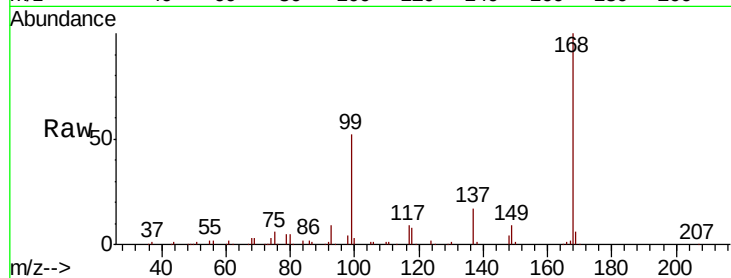




#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061792.D
 Acq: 12 Jun 2020 15:37

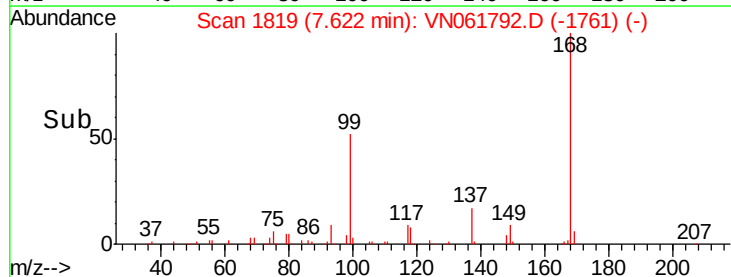
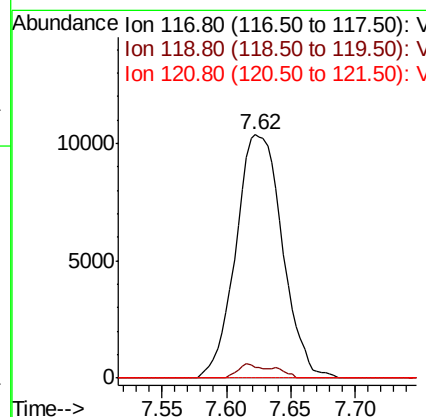
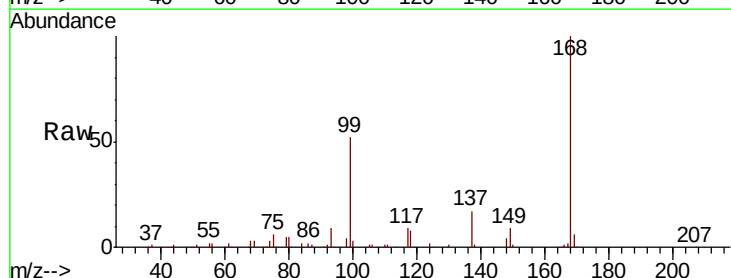
Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20200609

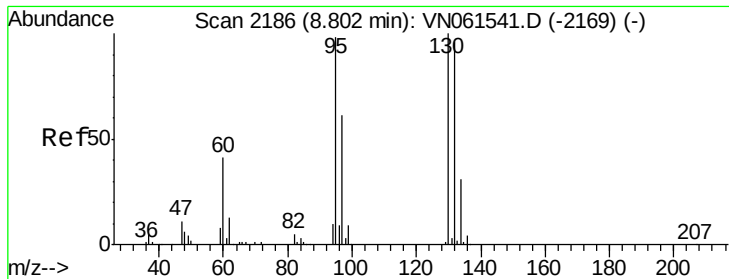
Tot Ion	75	Resp	18019
Ion Ratio	100	Lower	Upper
75	100		
110	10.1	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.631 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061792.D
 Acq: 12 Jun 2020 15:37

Tgt Ion	117	Resp	26027
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.6	76.5	114.7#
121	0.0	24.1	36.1#





#44

Trichloroethene

Concen: 0.214 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

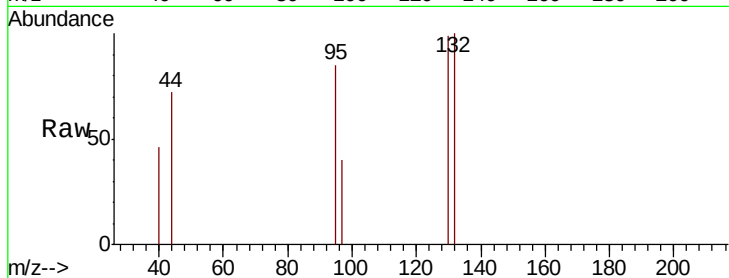
RE135D2-20200609

Tot Ion:130 Resp: 824

Ion Ratio Lower Upper

130 100

95 85.8 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

400

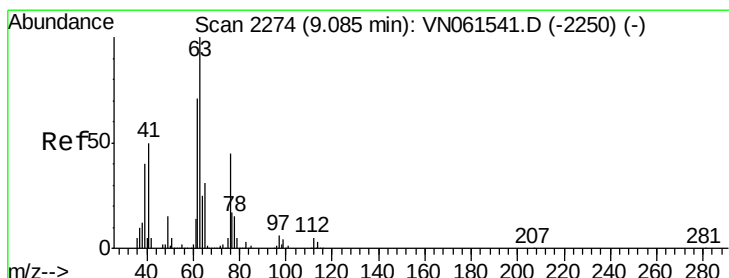
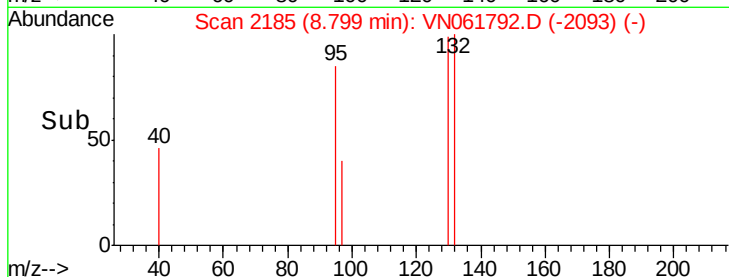
300

200

100

0

Time--> 8.75 8.80



#45

1,2-Dichloropropane

Concen: 2.084 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061792.D

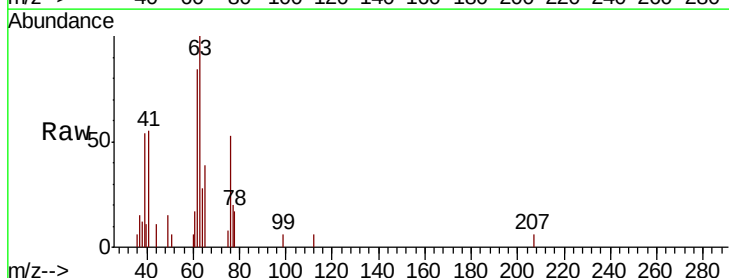
Acq: 12 Jun 2020 15:37

Tgt Ion: 63 Resp: 6213

Ion Ratio Lower Upper

63 100

65 39.2 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.09

3000

2500

2000

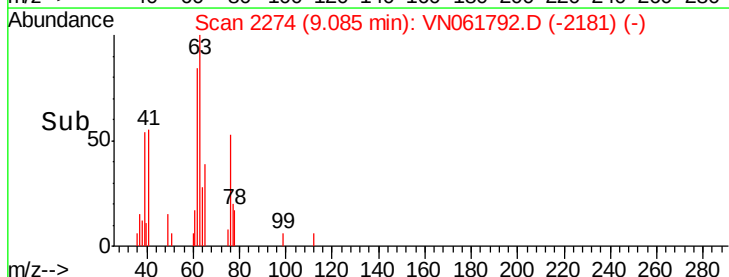
1500

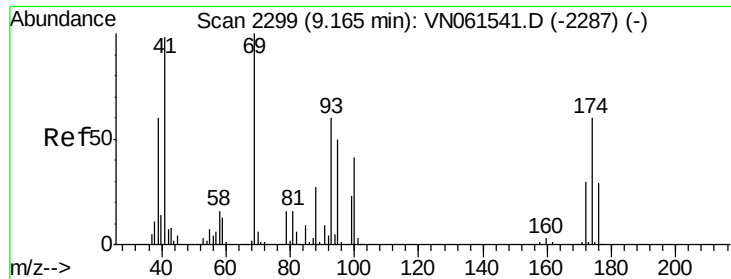
1000

500

0

Time--> 9.05 9.10 9.15

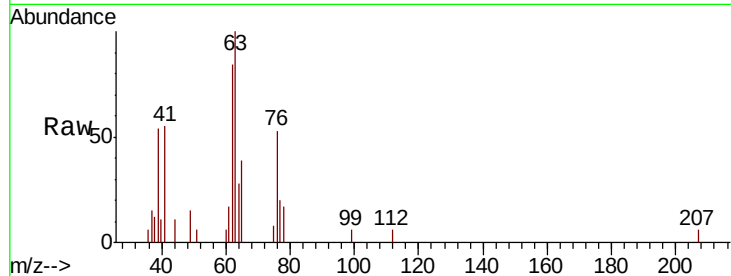




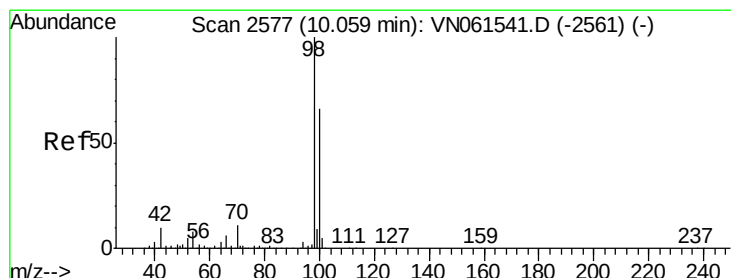
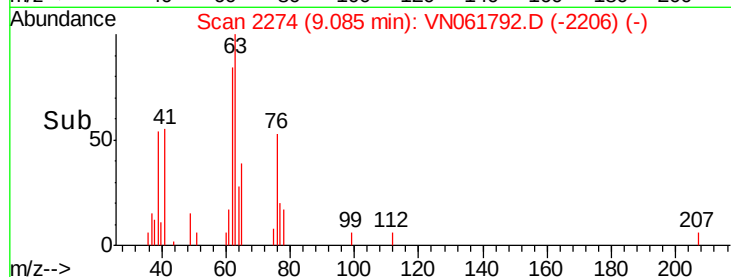
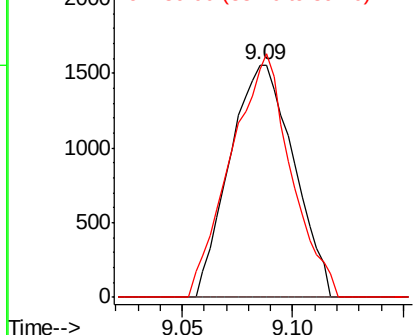
#48
Methvl methacrylate
Concen: 1.178 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. -0.08 min
Lab File: VN061792.D
Acq: 12 Jun 2020 15:37

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20200609

Tot Ion: 41 Resp: 3124
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 99.0 52.1 78.1#

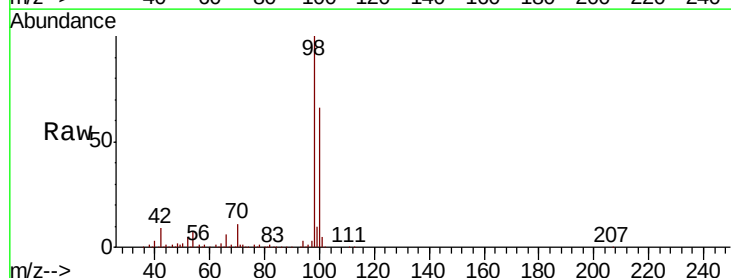


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

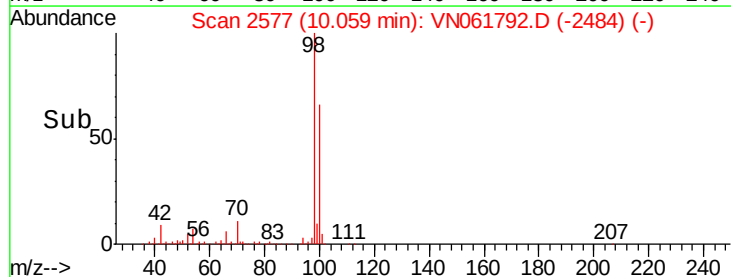
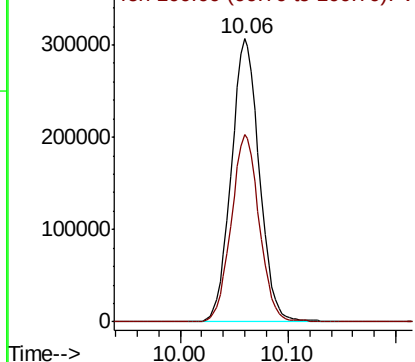


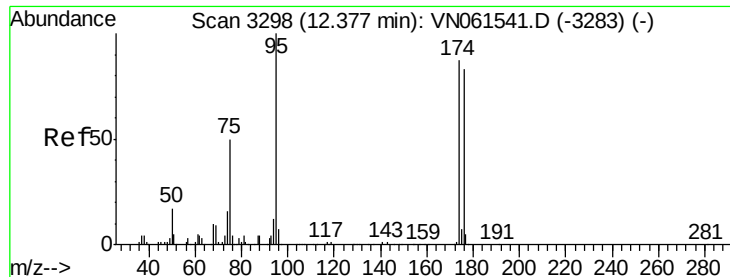
#50
Toluene-d8
Concen: 51.453 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061792.D
Acq: 12 Jun 2020 15:37

Tgt Ion: 98 Resp: 556018
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



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

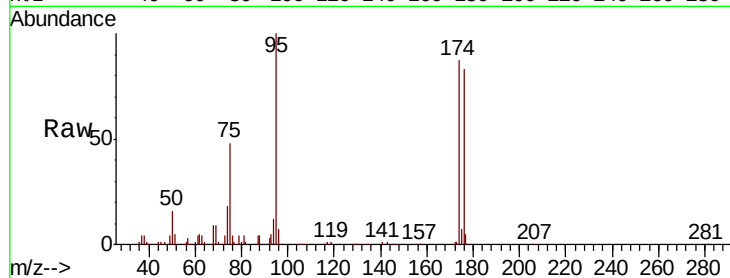




#62
4-Bromofluorobenzene
Concen: 48.664 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061792.D
Acq: 12 Jun 2020 15:37

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20200609

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	172.8
176	83.0	0.0	164.8

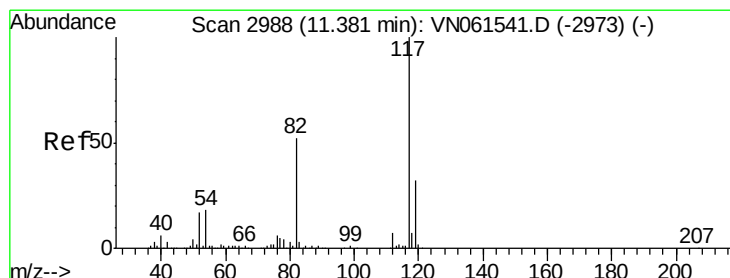
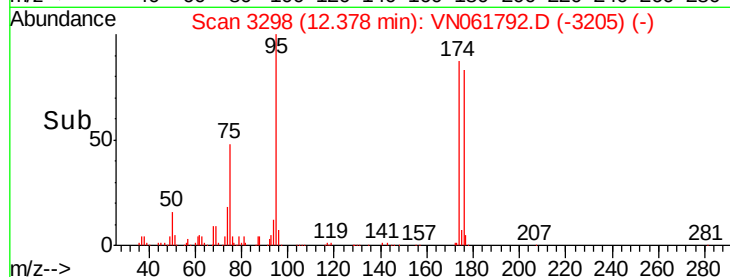
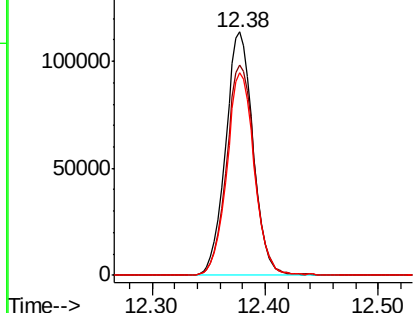


Abundance

Ion 94.90 (94.60 to 95.60): VN061792.D (-2895) (-)

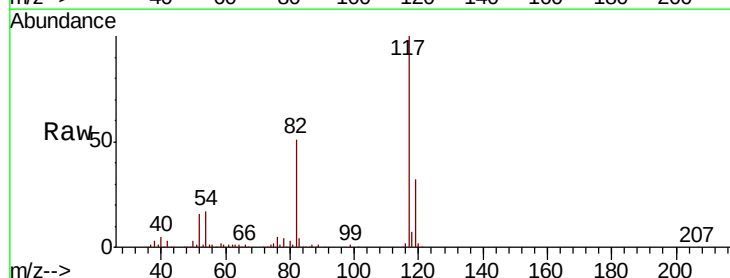
Ion 173.80 (173.50 to 174.50): VN061792.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN061792.D (-2895) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061792.D
Acq: 12 Jun 2020 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.5	62.3
119	31.5	25.6	38.4

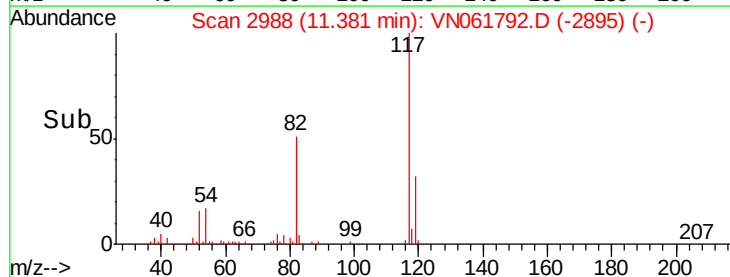
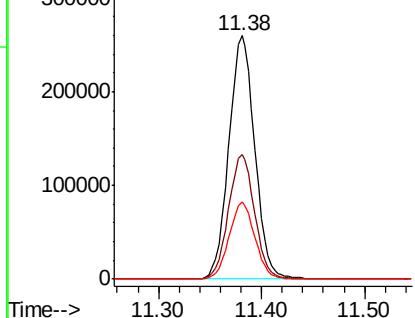


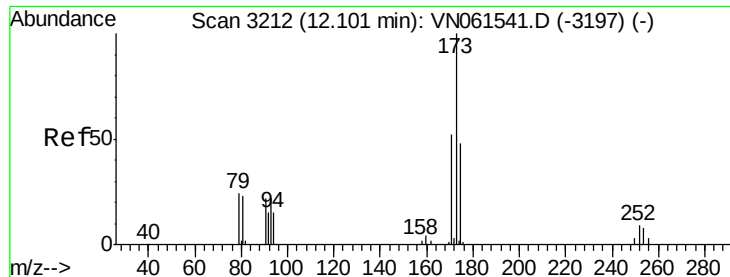
Abundance

Ion 116.90 (116.60 to 117.60): VN061792.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061792.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061792.D (-2895) (-)





#71

Bromoform

Concen: 0.659 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20200609

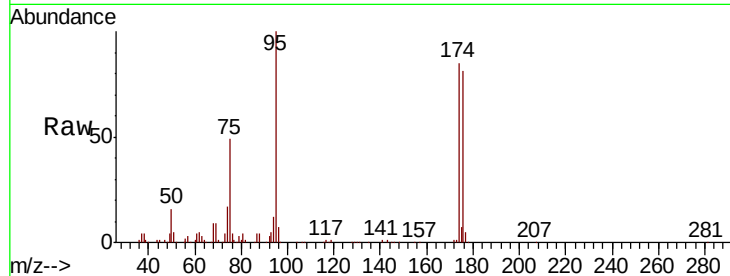
Tot Ion:173 Resp: 1789

Ion Ratio Lower Upper

173 100

175 587.5 24.4 73.2#

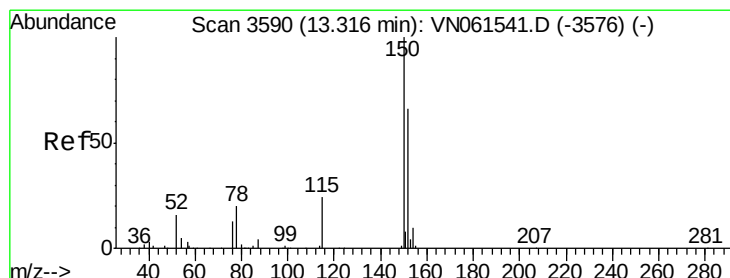
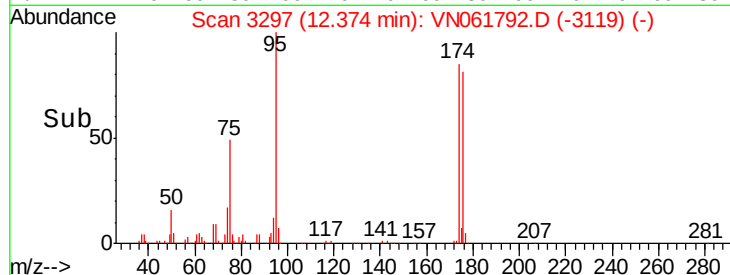
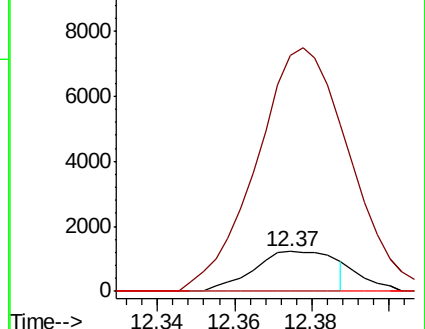
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

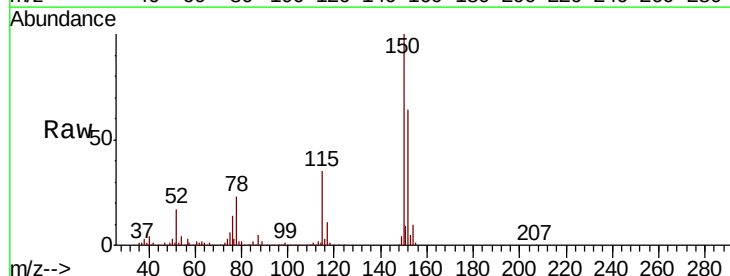
Tgt Ion:152 Resp: 204668

Ion Ratio Lower Upper

152 100

115 55.0 28.0 84.0

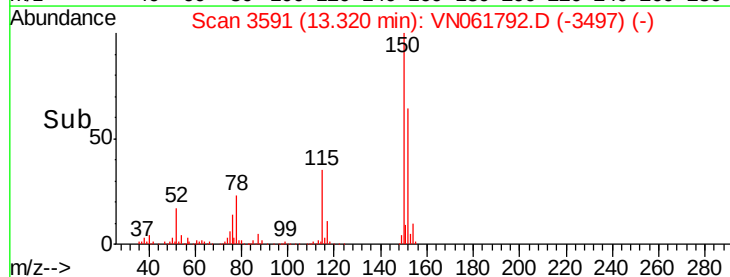
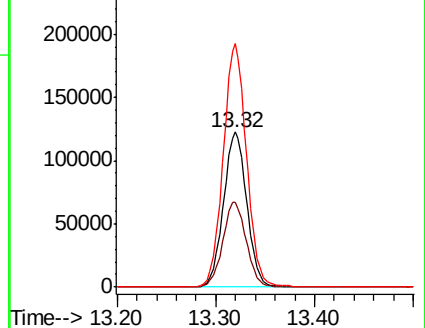
150 155.7 0.0 344.0

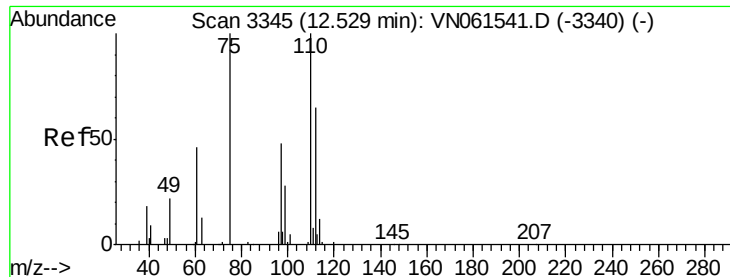


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.661 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

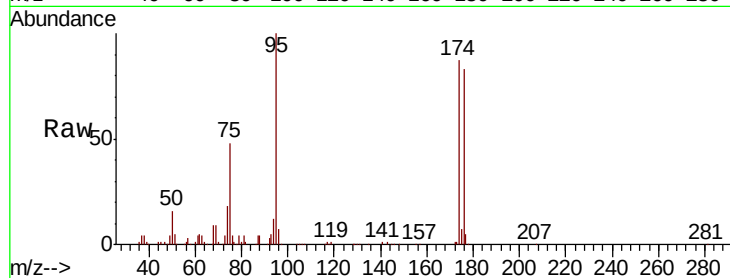
RE135D2-20200609

Tot Ion: 75 Resp: 91779

Ion Ratio Lower Upper

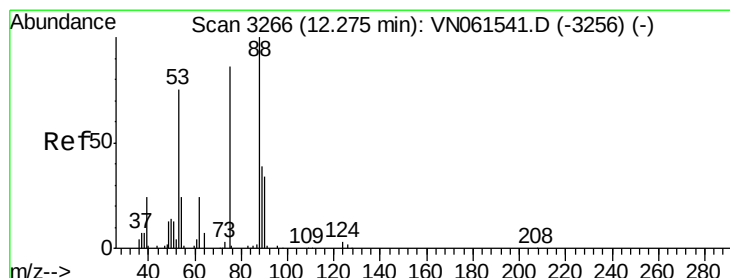
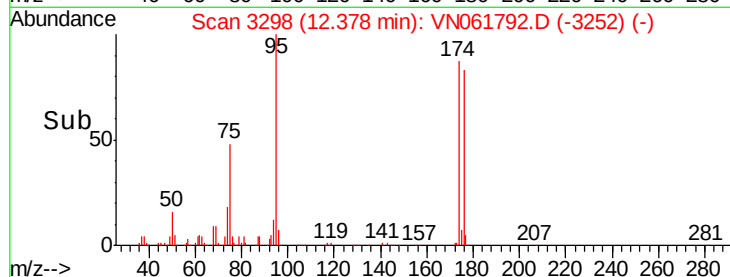
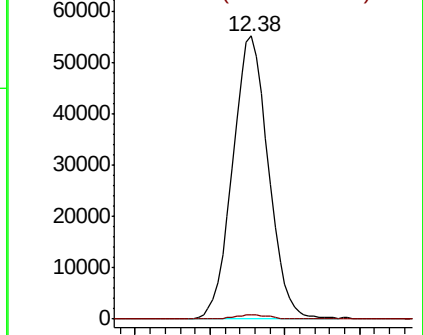
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 63.064 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061792.D

Acq: 12 Jun 2020 15:37

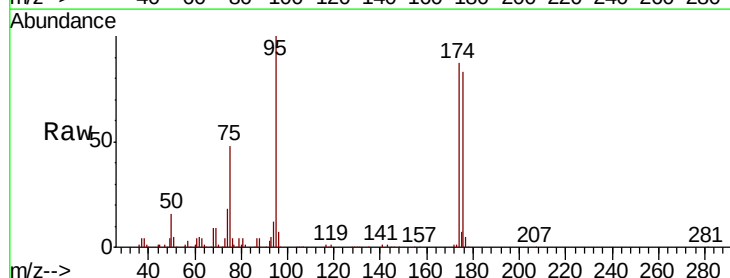
Tgt Ion: 75 Resp: 91779

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

