

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061797.D
 Acq On : 12 Jun 2020 17:34
 Operator : JC/MD
 Sample : L2989-08 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20200610

Quant Time: Jun 13 05:13:51 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	274951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	459238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201423	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	158973	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	7.55	113	138222	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
50) Toluene-d8	10.06	98	567931	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.38	95	189017	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

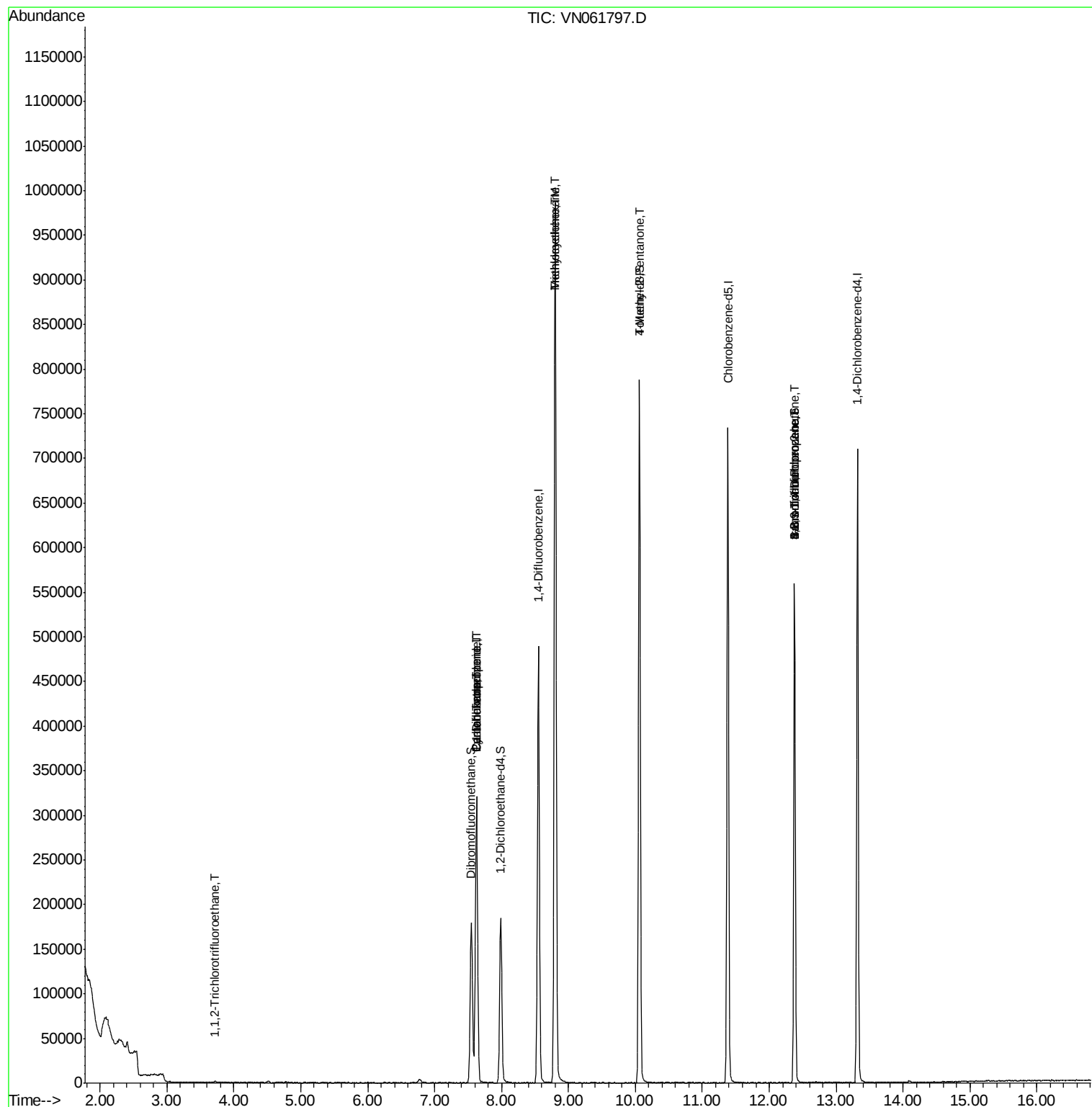
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	808	0.307	ug/l #	83
16) Acetone	3.78	43	675	Below Cal	#	41
20) Methylene Chloride	4.50	84	699	Below Cal	#	79
31) Cyclohexane	7.63	56	4963	1.075	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	18542	4.433	ug/l #	49
38) Carbon Tetrachloride	7.63	117	25020	6.202	ug/l #	17
39) Methylcyclohexane	8.80	83	4734	0.918	ug/l #	1
44) Trichloroethene	8.80	130	389215	98.134	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	2092	0.613	ug/l #	1
71) Bromoform	12.37	173	1404	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	92150	25.159	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	92150	64.339	ug/l #	15

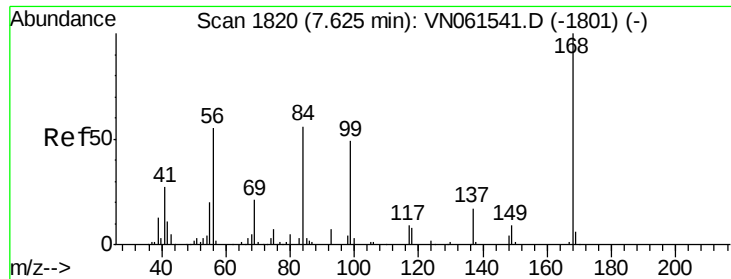
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061220\
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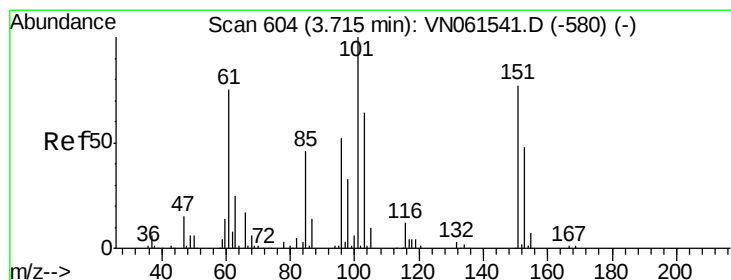
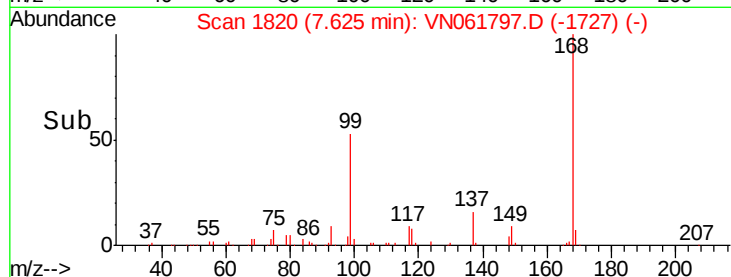
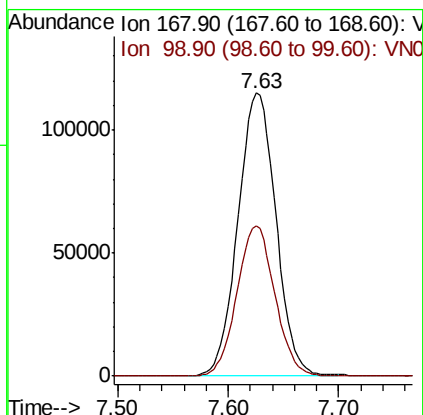
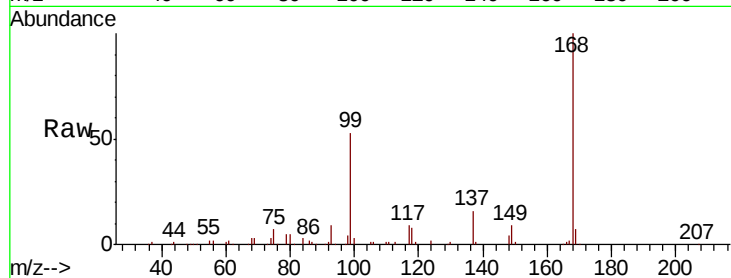




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.00 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

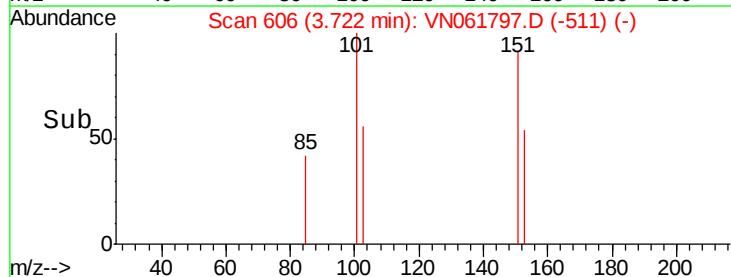
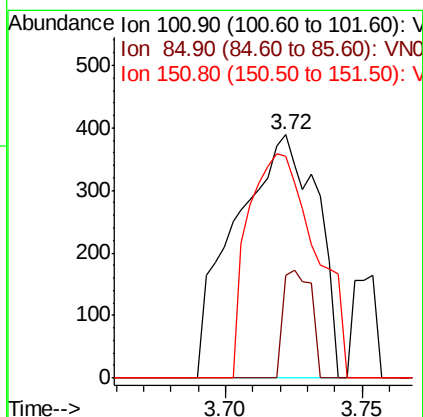
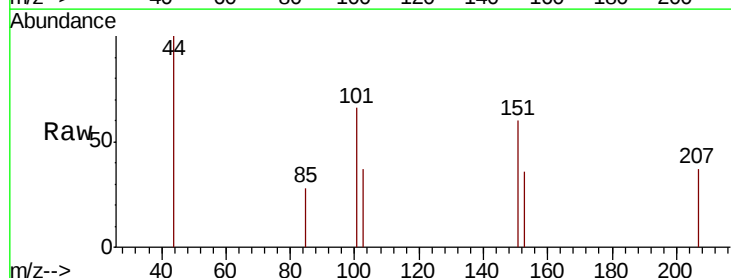
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20200610

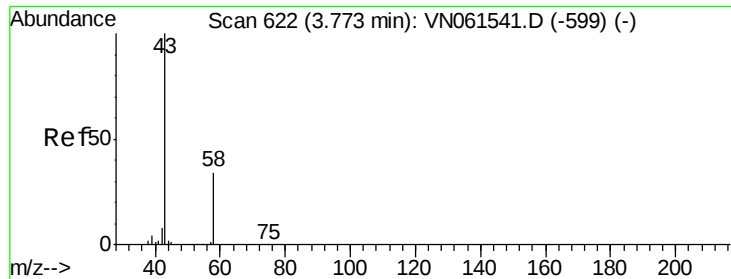
Tot Ion:168 Resp: 274951
Ion Ratio Lower Upper
168 100
99 53.3 45.0 67.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.307 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

Tgt Ion:101 Resp: 808
Ion Ratio Lower Upper
101 100
85 15.3 35.2 52.8#
151 75.7 61.0 91.6

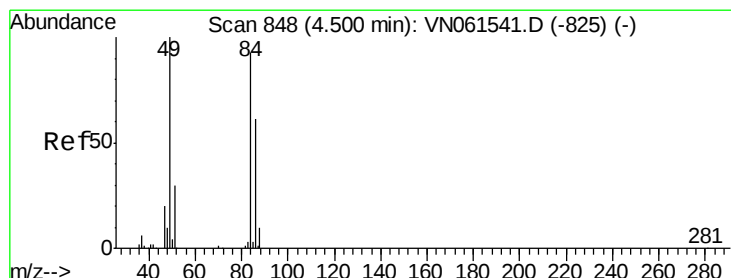
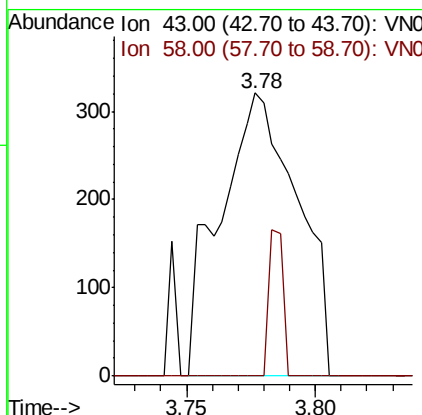
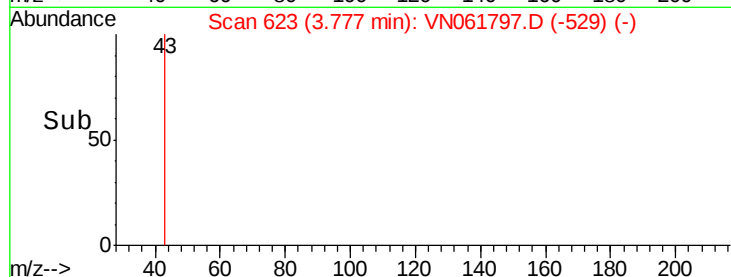
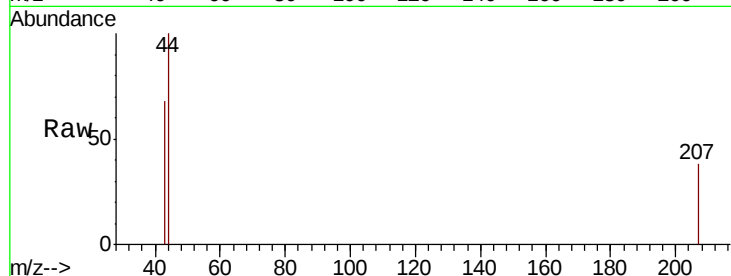




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

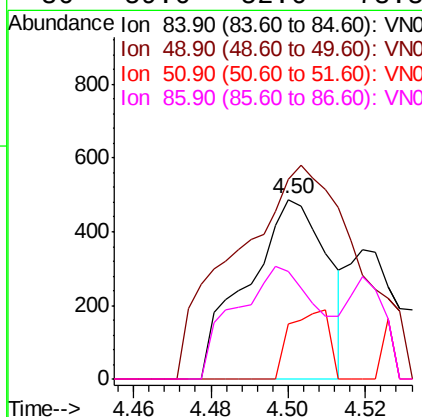
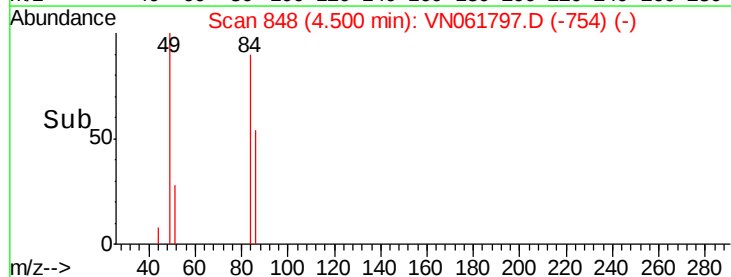
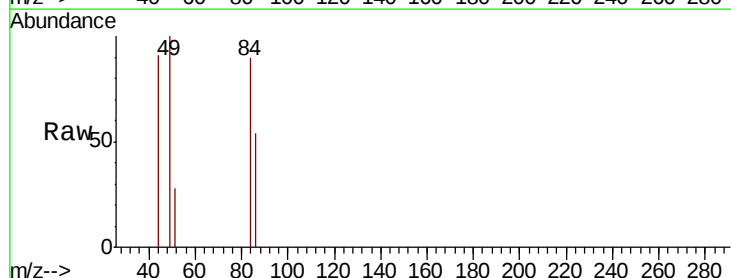
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20200610

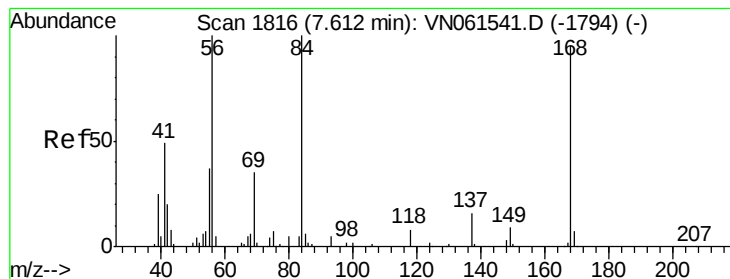
Tot Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

Tgt Ion: 84 Resp: 699
Ion Ratio Lower Upper
84 100
49 71.9 85.8 128.8#
51 30.7 26.2 39.2
86 59.6 52.6 78.8





#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061797.D

Acq: 12 Jun 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20200610

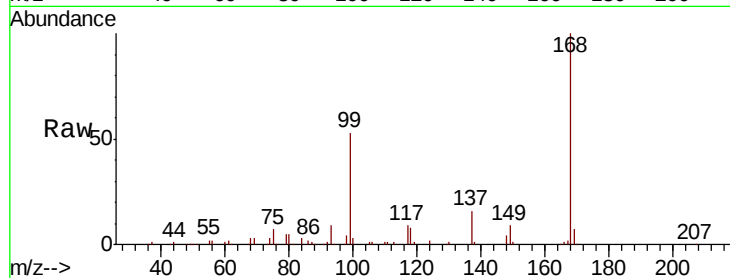
Tot Ion: 56 Resp: 4963

Ion Ratio Lower Upper

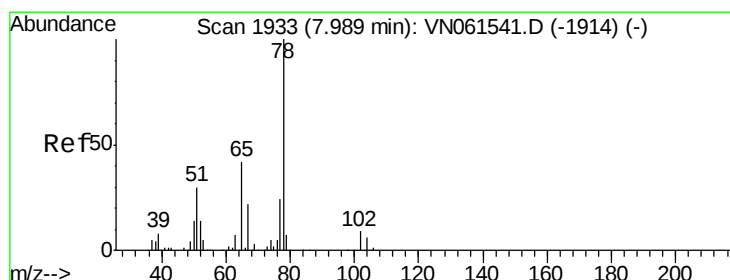
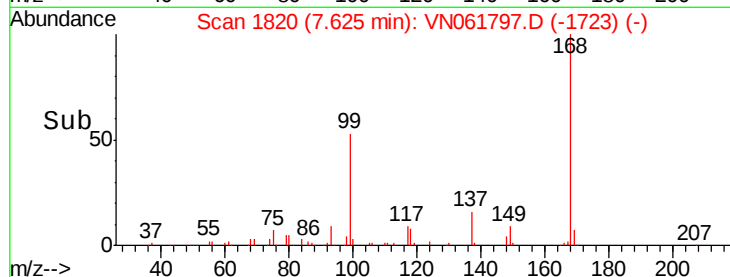
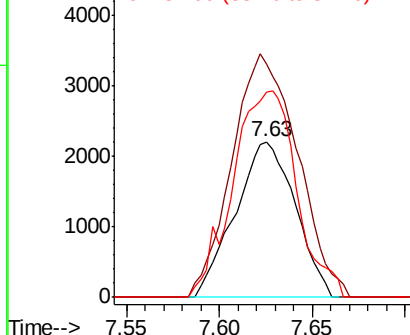
56 100

69 150.5 27.8 41.8#

84 132.1 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: 48.529 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061797.D

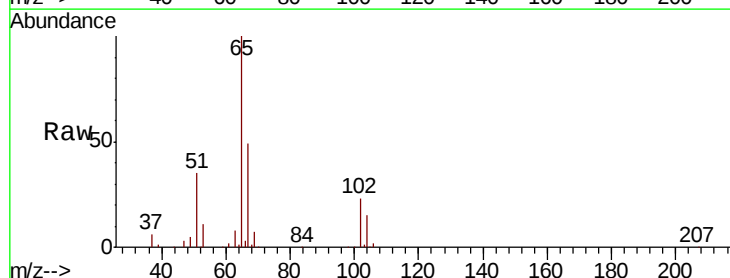
Acq: 12 Jun 2020 17:34

Tgt Ion: 65 Resp: 158973

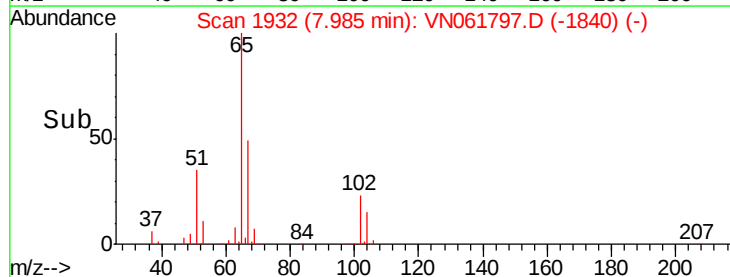
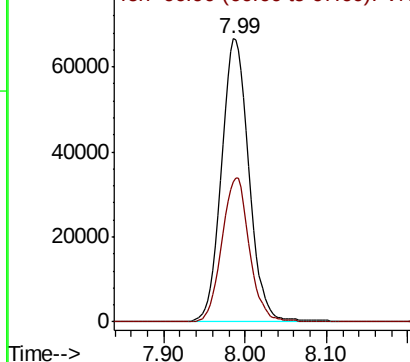
Ion Ratio Lower Upper

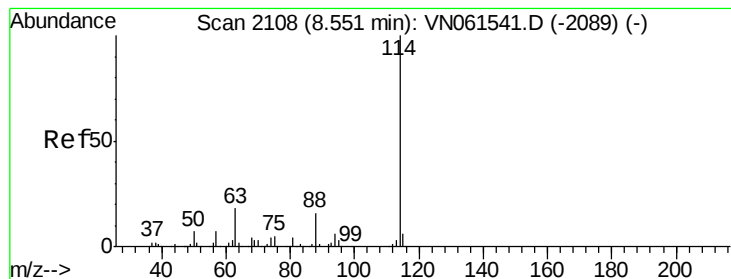
65 100

67 50.9 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: VN061797.D

Acq: 12 Jun 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20200610

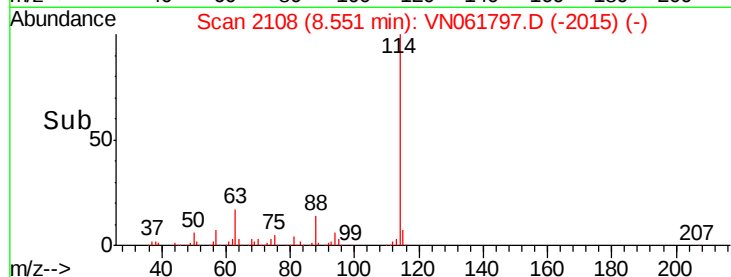
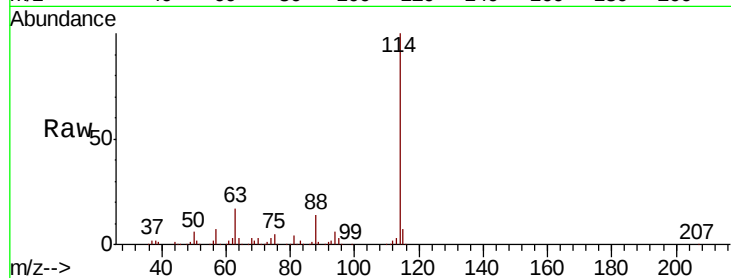
Tot Ion:114 Resp: 472478

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.8

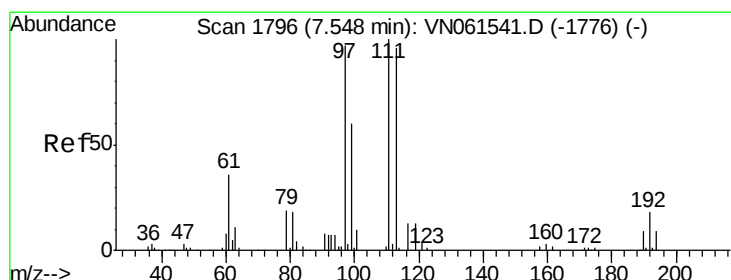
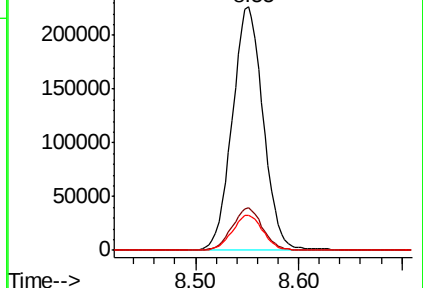
88 14.5 0.0 31.0



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: 57.670 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061797.D

Acq: 12 Jun 2020 17:34

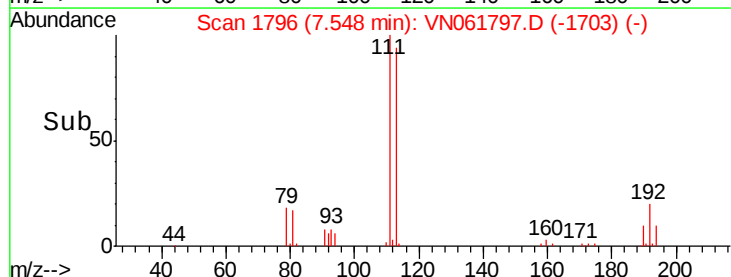
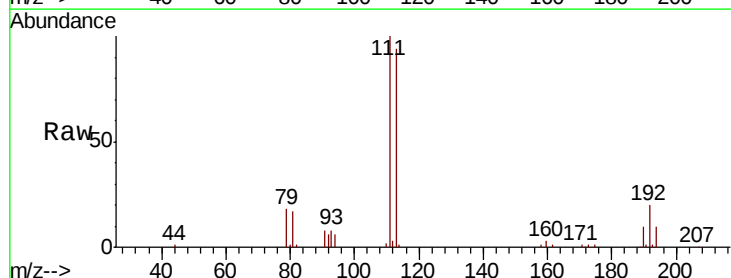
Tgt Ion:113 Resp: 138222

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

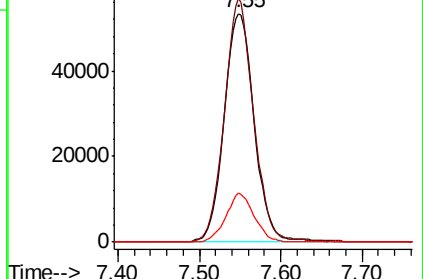
192 20.0 15.4 23.2

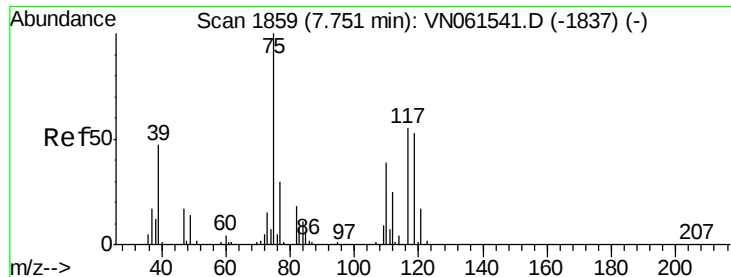


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

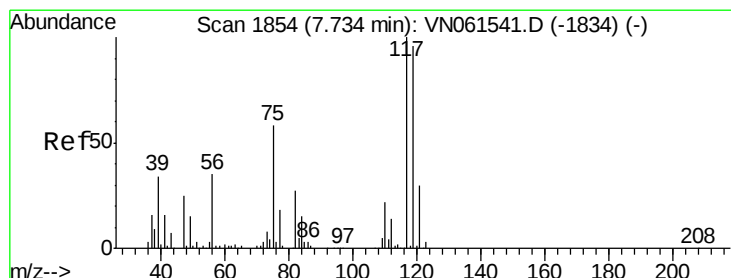
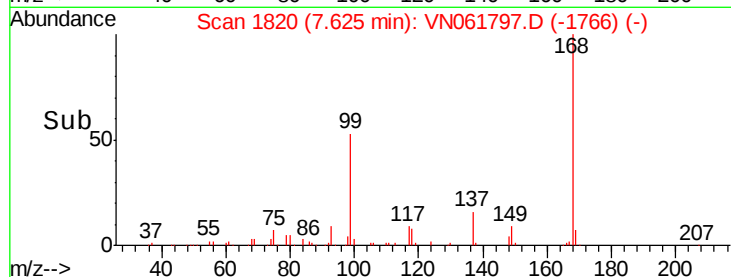
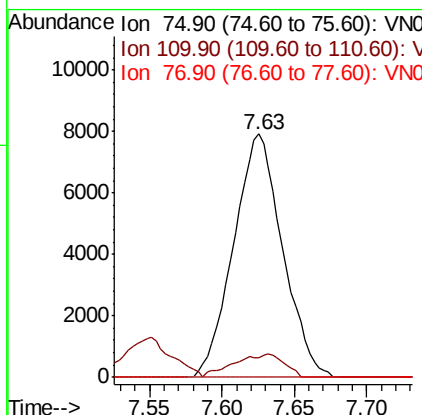
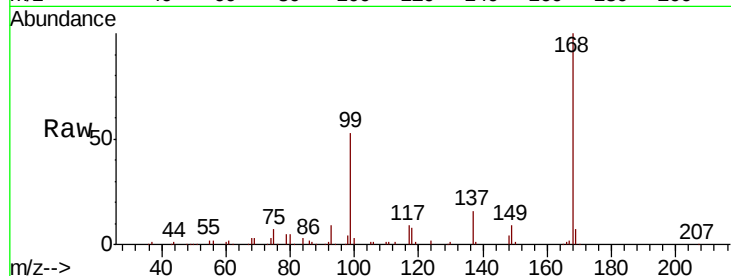




#36
 1,1-Dichloropropene
 Concen: 4.433 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061797.D
 Acq: 12 Jun 2020 17:34

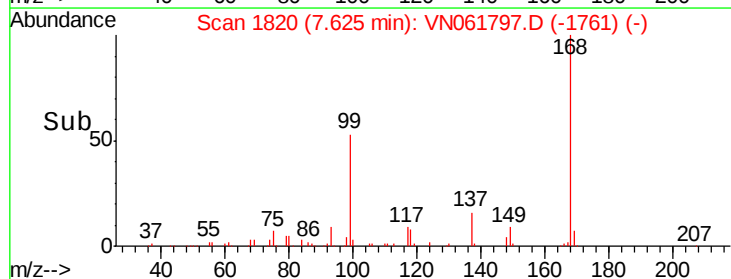
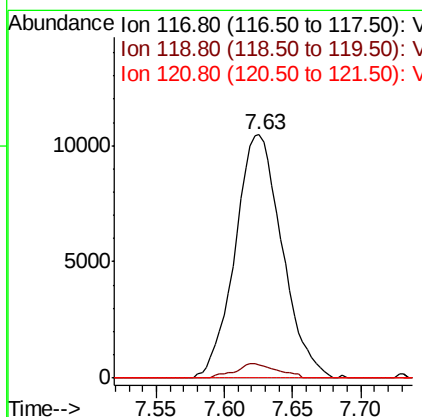
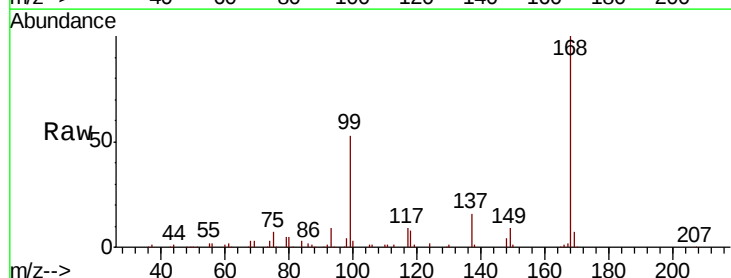
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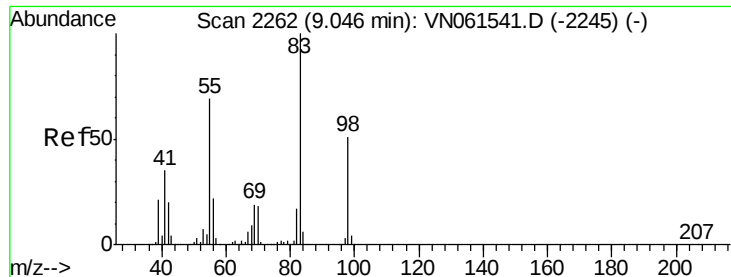
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.202 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061797.D
 Acq: 12 Jun 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.5	114.7#
121	0.0	24.1	36.1#

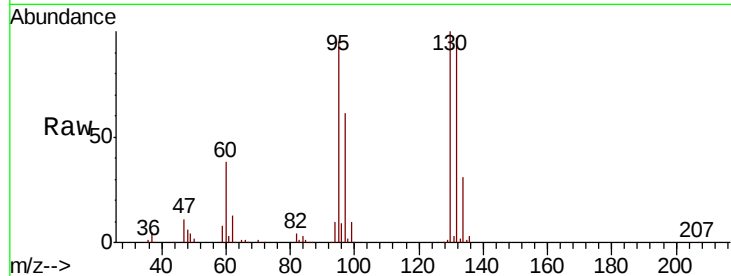




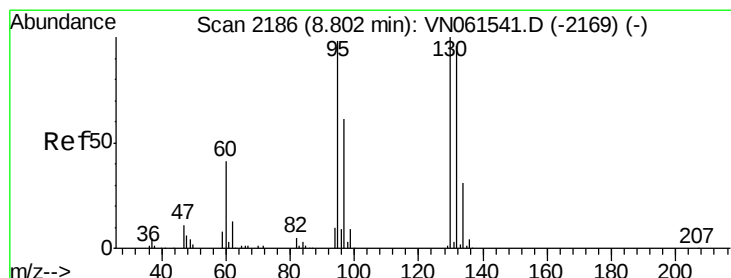
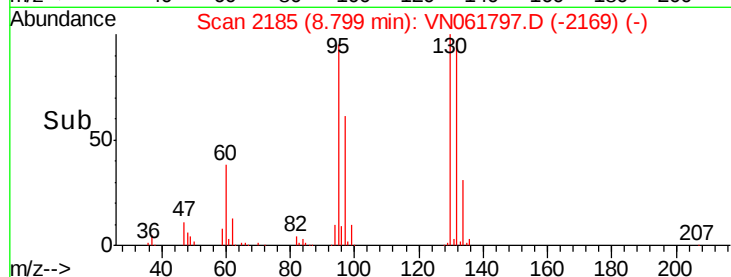
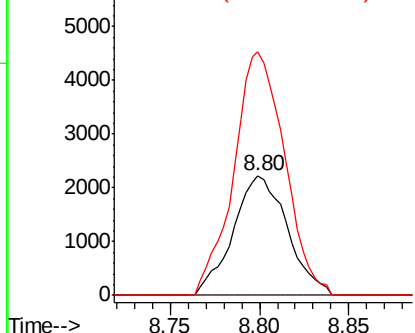
#39
Methylcyclohexane
Concen: 0.918 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.25 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20200610

Tot Ion: 83 Resp: 4734
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 203.2 41.0 61.4#

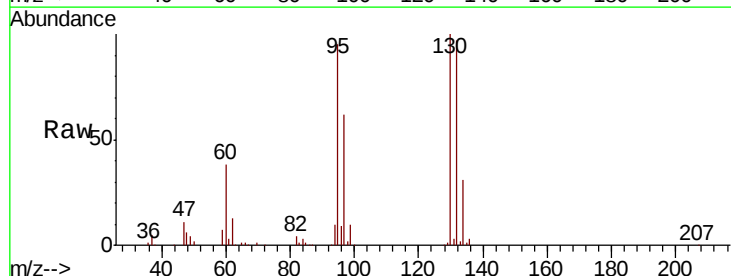


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

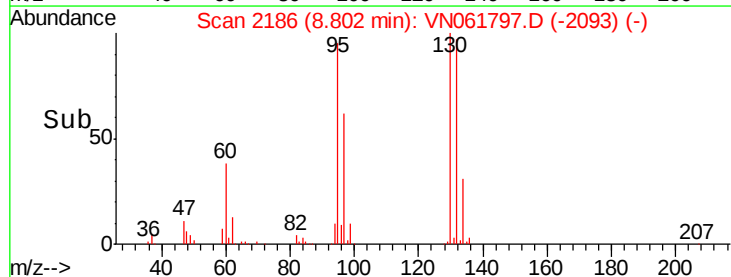
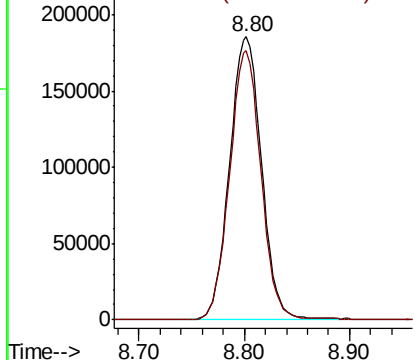


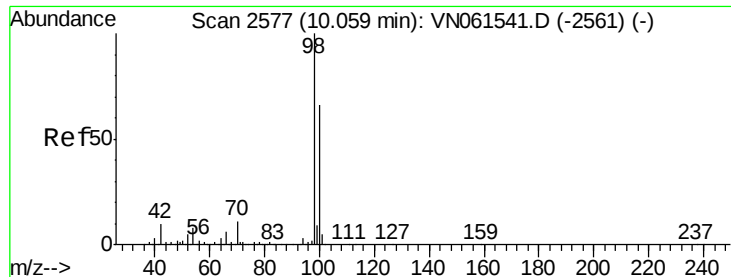
#44
Trichloroethene
Concen: 98.134 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

Tgt Ion: 130 Resp: 389215
Ion Ratio Lower Upper
130 100
95 95.2 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.132 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061797.D

Acq: 12 Jun 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

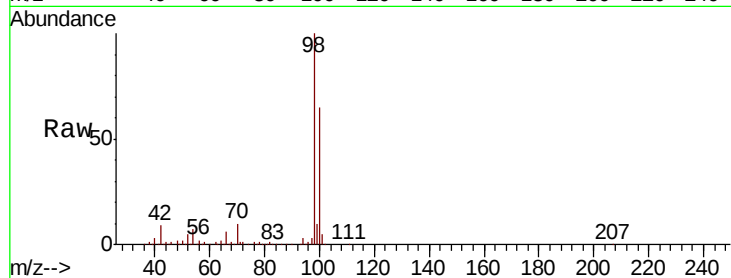
RE122D2-20200610

Tot Ion: 98 Resp: 567931

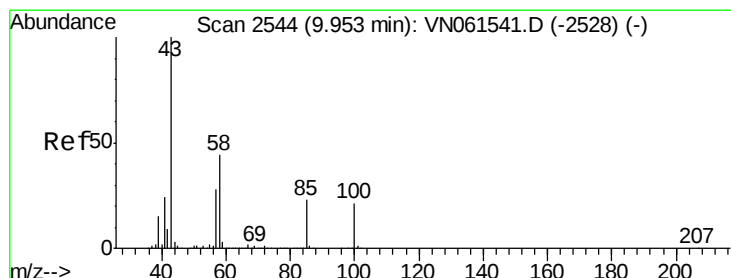
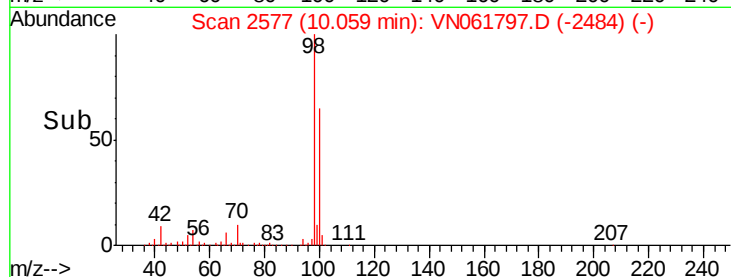
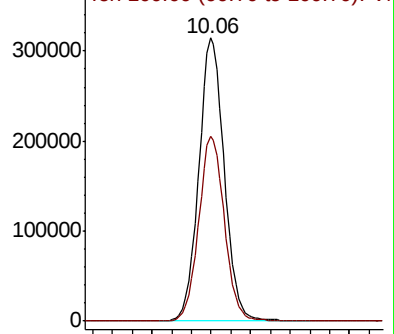
Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.613 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061797.D

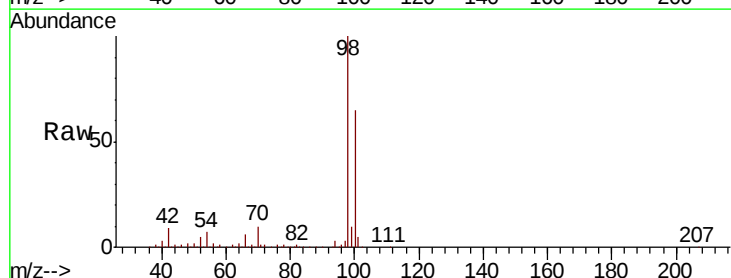
Acq: 12 Jun 2020 17:34

Tgt Ion: 43 Resp: 2092

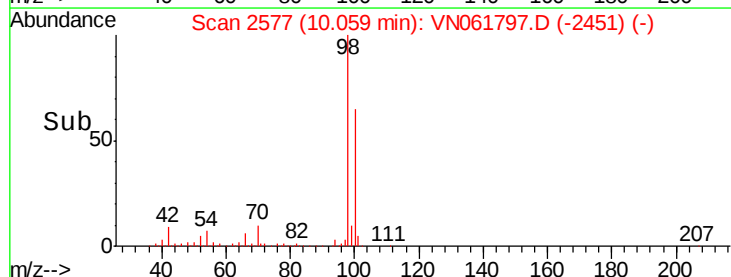
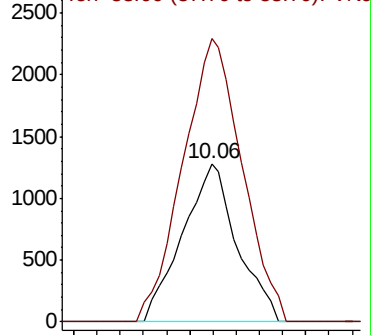
Ion Ratio Lower Upper

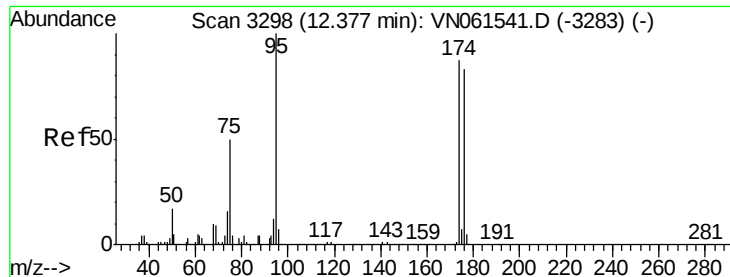
43 100

58 194.1 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

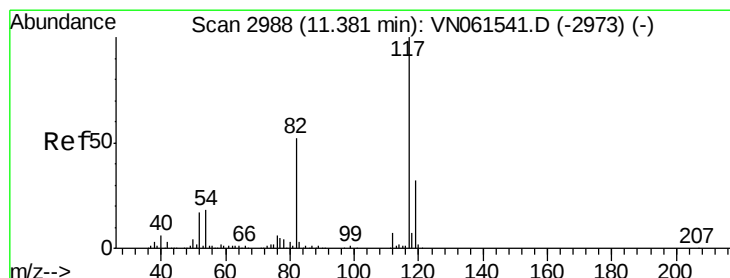
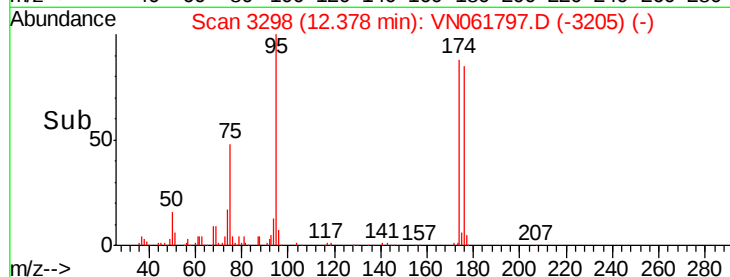
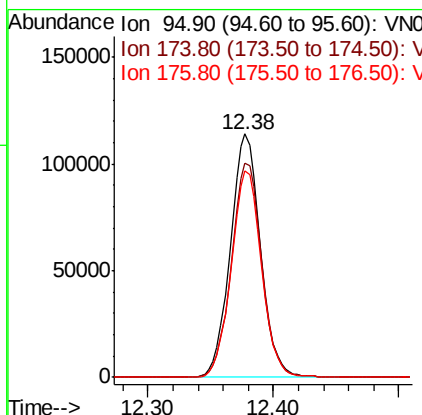
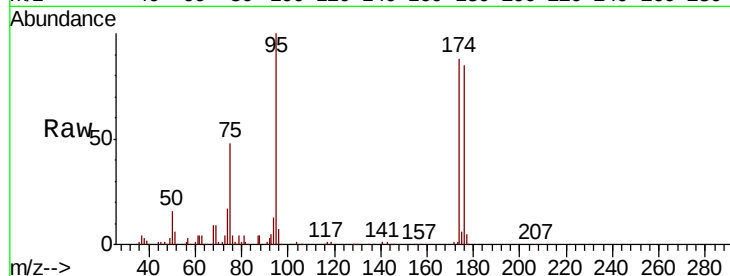




#62
4-Bromofluorobenzene
Concen: 46.645 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

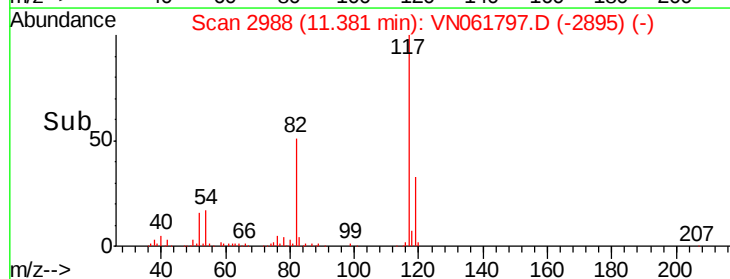
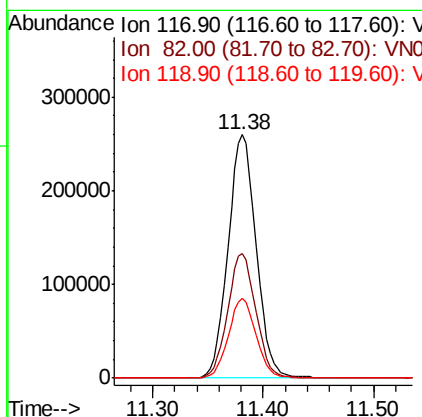
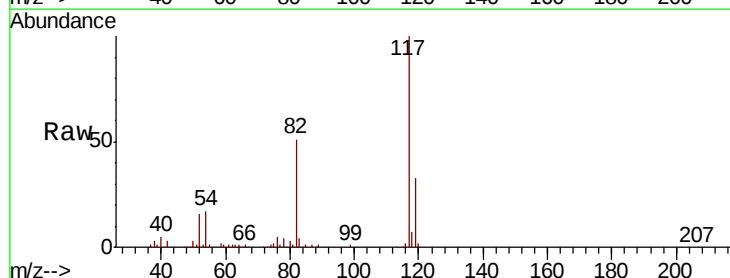
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20200610

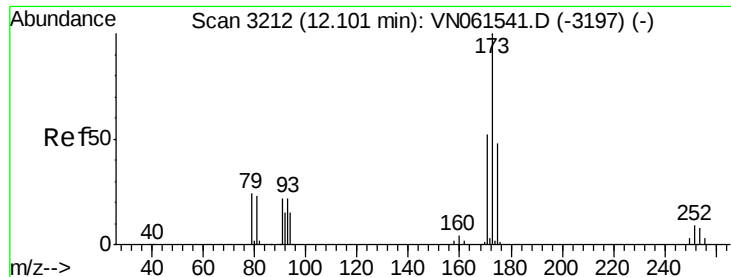
Tot Ion	95	Resp	189017
Ion Ratio	Lower	Upper	
95	100		
174	89.3	0.0	172.8
176	85.7	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061797.D
Acq: 12 Jun 2020 17:34

Tgt Ion	117	Resp	459238
Ion Ratio	Lower	Upper	
117	100		
82	51.4	41.5	62.3
119	32.6	25.6	38.4





#71

Bromoform

Concen: 0.513 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061797.D

Acq: 12 Jun 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20200610

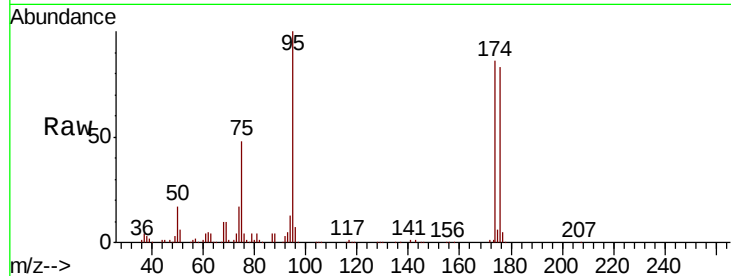
Tot Ion:173 Resp: 1404

Ion Ratio Lower Upper

173 100

175 732.8 24.4 73.2#

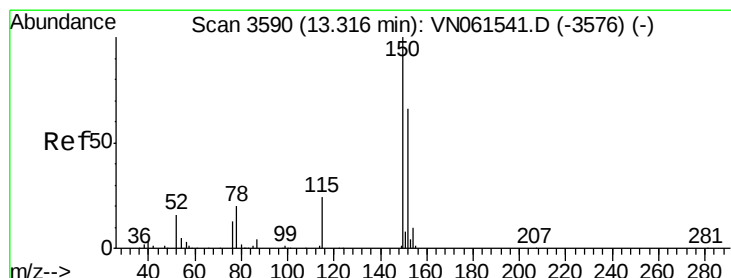
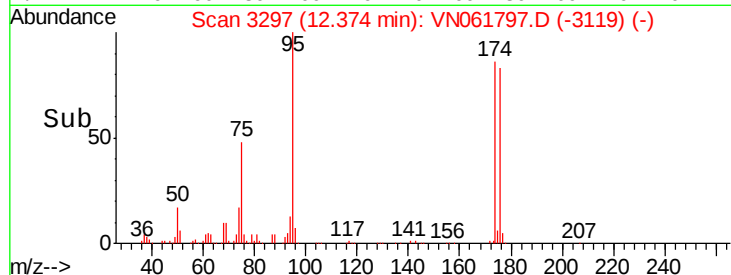
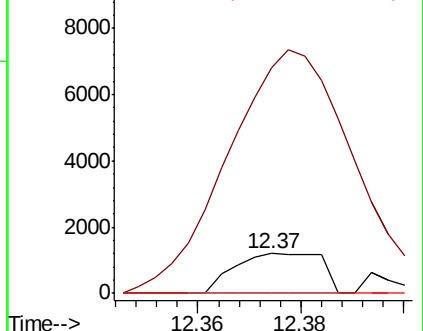
254 0.0 0.0 0.0



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: VN061797.D

Acq: 12 Jun 2020 17:34

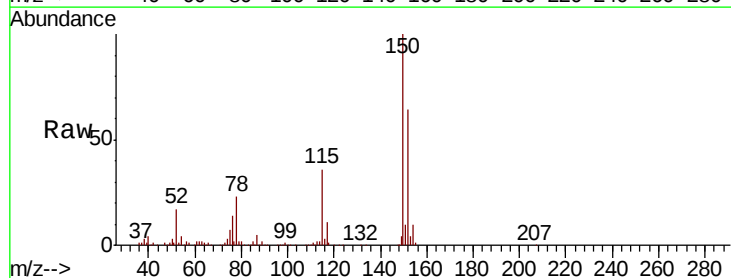
Tgt Ion:152 Resp: 201423

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

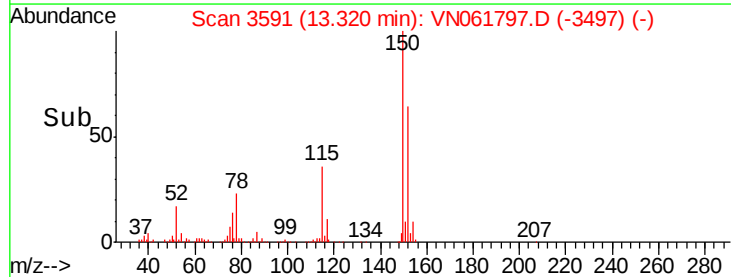
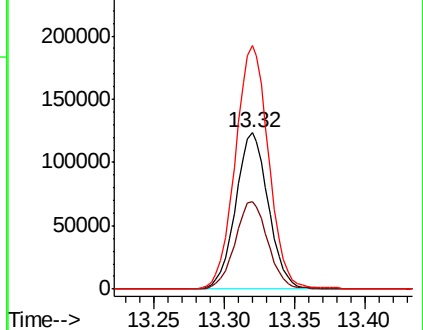
150 158.4 0.0 344.0

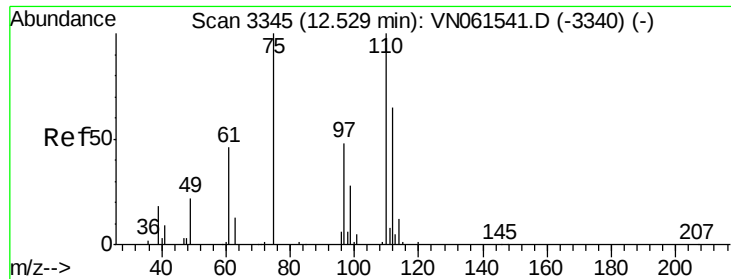


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.159 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061797.D

Acq: 12 Jun 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

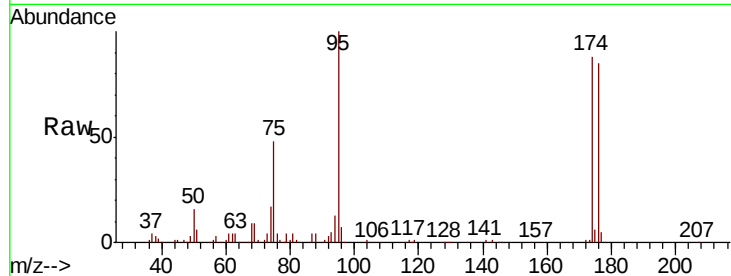
RE122D2-20200610

Tot Ion: 75 Resp: 92150

Ion Ratio Lower Upper

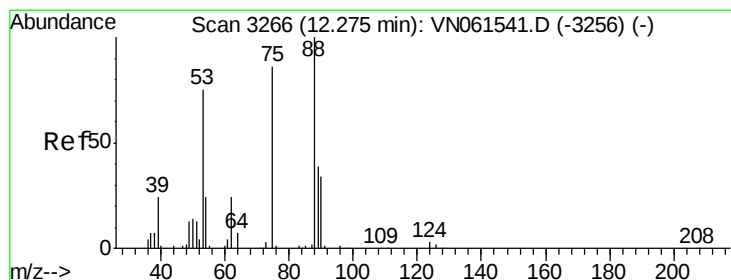
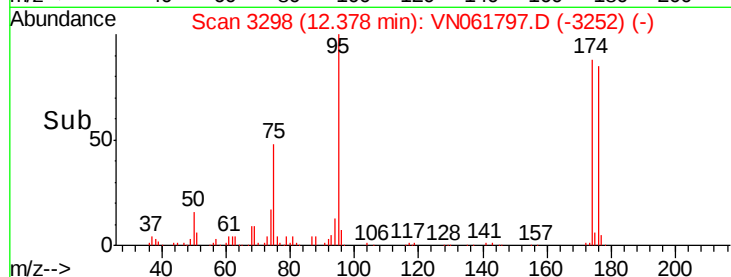
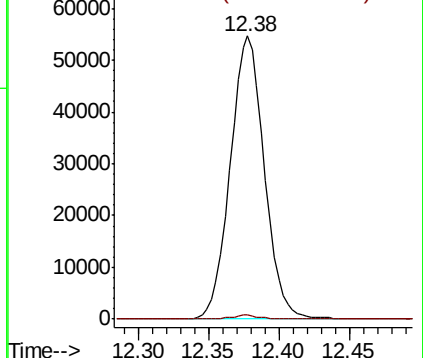
75 100

77 1.1 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: 64.339 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061797.D

Acq: 12 Jun 2020 17:34

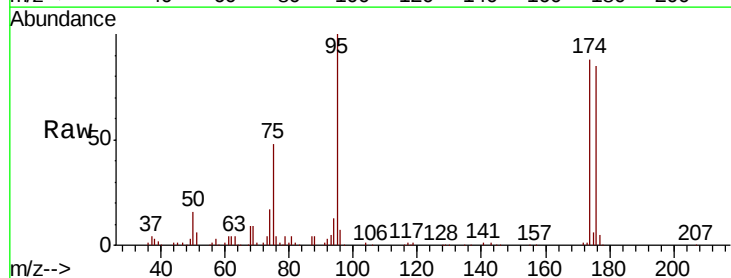
Tgt Ion: 75 Resp: 92150

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

