

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060054.D
 Acq On : 11 Feb 2020 10:32
 Operator : JC/MD
 Sample : VN0211WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 04:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	110562	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
35) Dibromofluoromethane	7.57	113	91117	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
50) Toluene-d8	10.08	98	356056	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	120410	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	

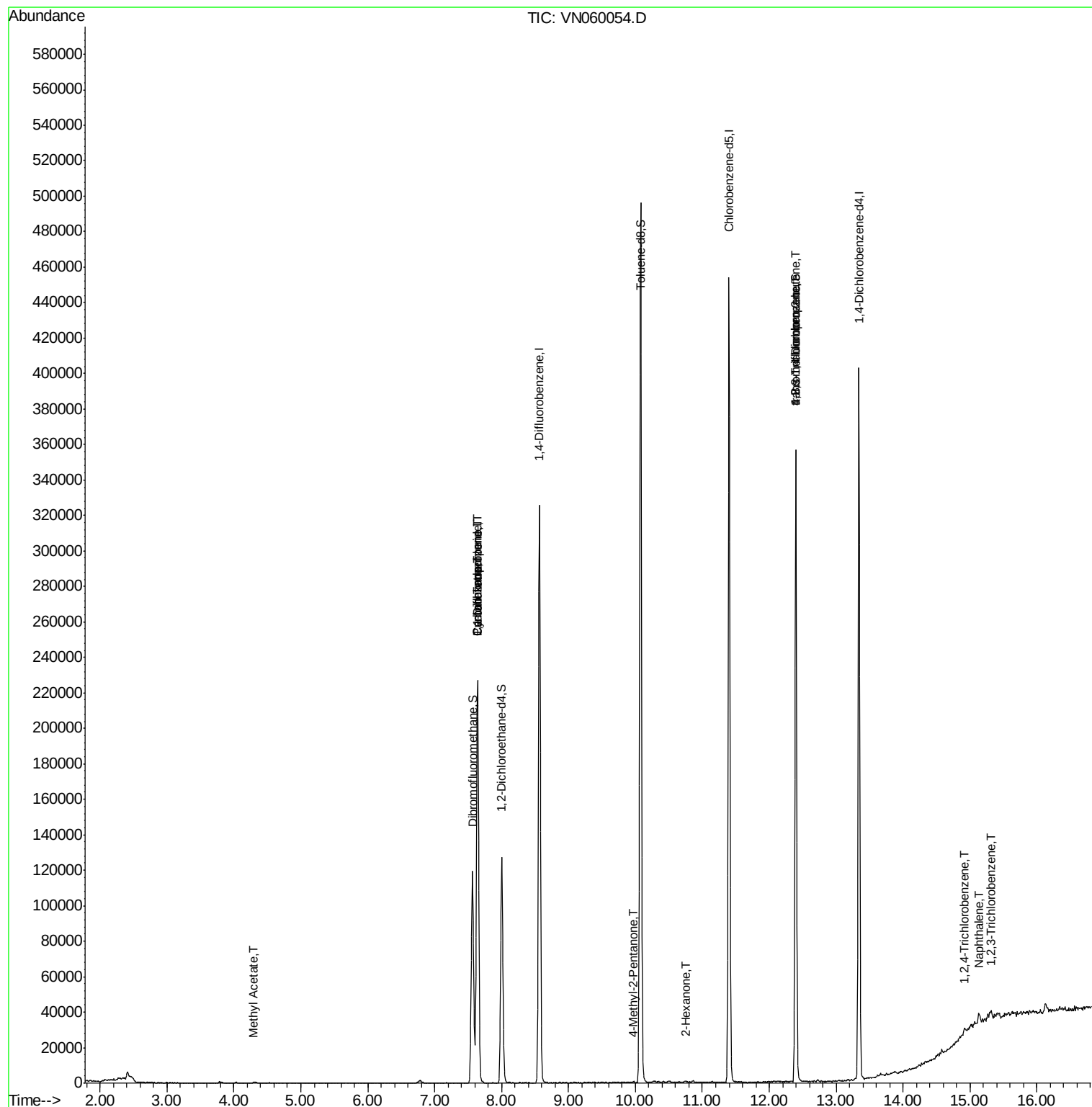
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1002	Below Cal	#	45
18) Methyl Acetate	4.31	43	746	0.299	ug/l #	54
31) Cyclohexane	7.64	56	3603	1.138	ug/l #	3
36) 1,1-Dichloropropene	7.64	75	13709	5.231	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18204	6.385	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	720	0.295	ug/l #	38
59) 2-Hexanone	10.76	43	789	0.438	ug/l	69
76) 1,2,3-Trichloropropane	12.40	75	62786	34.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62786	73.412	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	227	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1234	0.590	ug/l	90
95) Naphthalene	15.13	128	4834	0.813	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	1603	0.787	ug/l	94

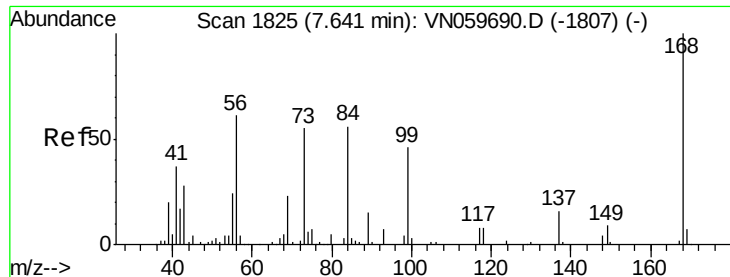
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060054.D

Acq: 11 Feb 2020 10:32

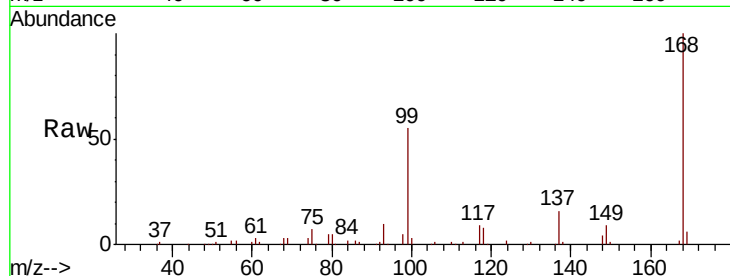
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 192605

Ion Ratio Lower Upper

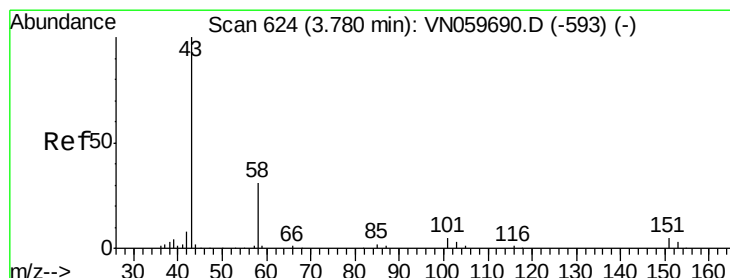
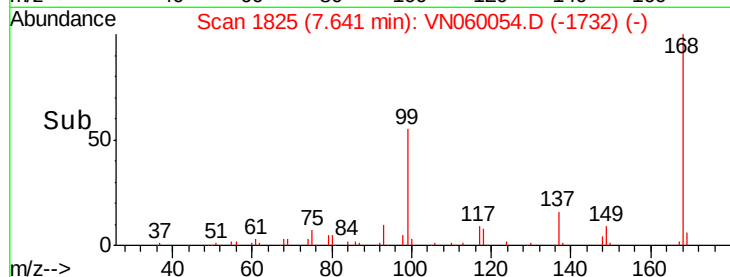
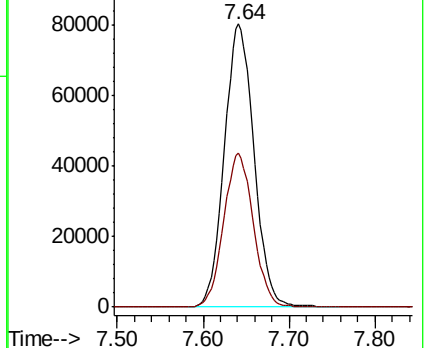
168 100

99 54.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060054.D

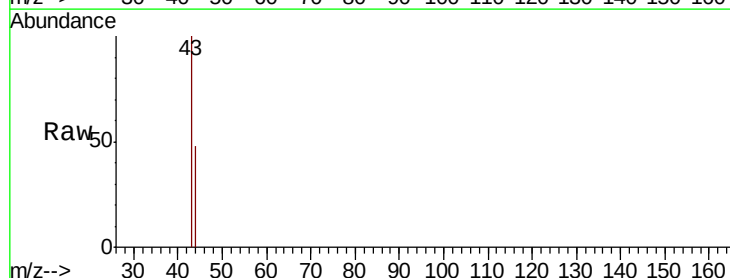
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 1002

Ion Ratio Lower Upper

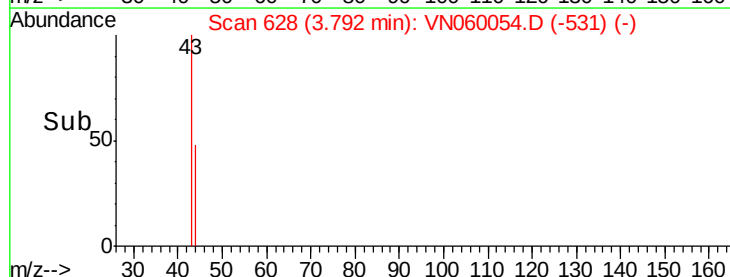
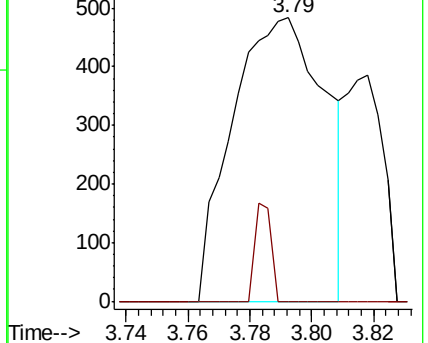
43 100

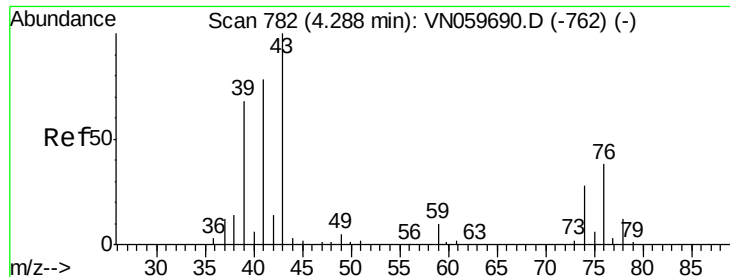
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

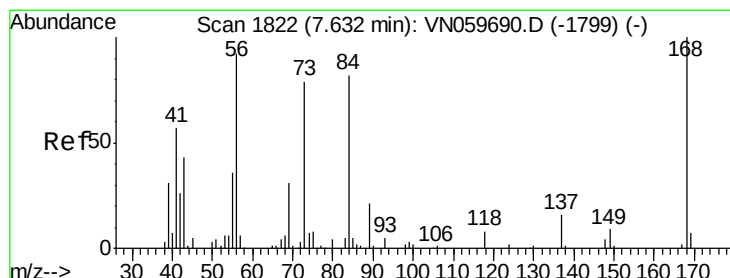
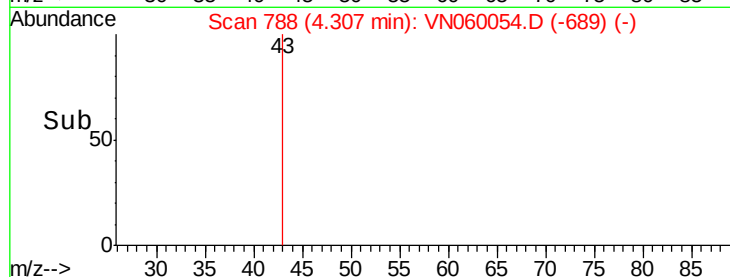
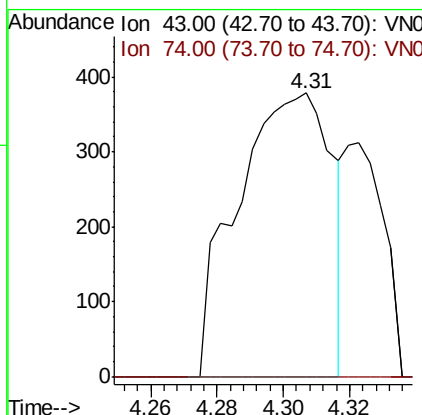
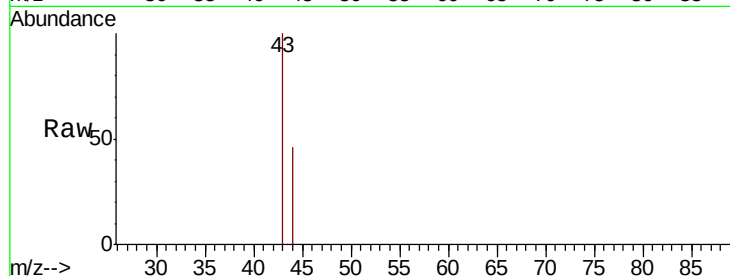




#18
Methyl Acetate
Concen: 0.299 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

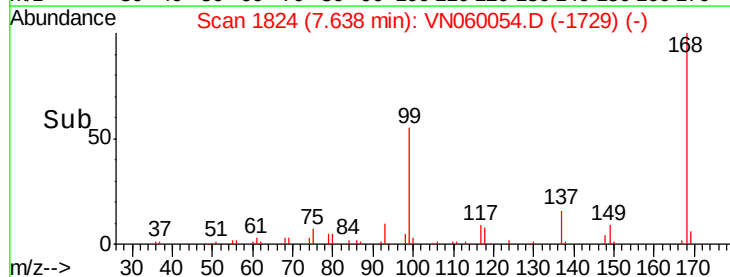
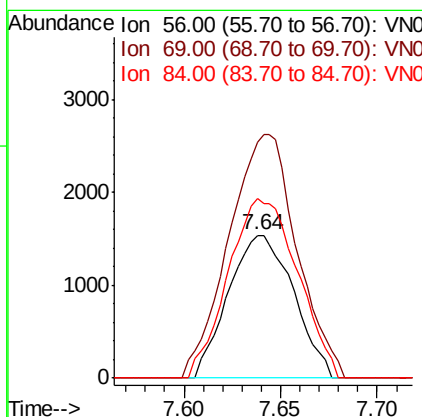
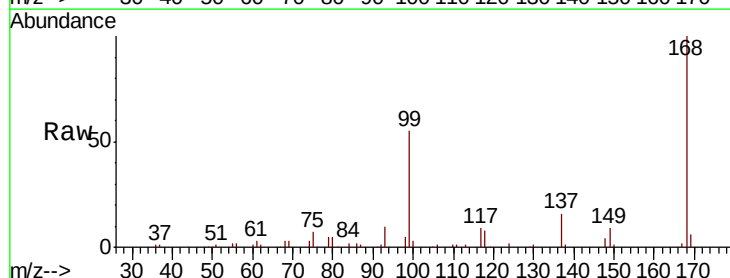
Instrument :
MSVOA_N
ClientSampleId :

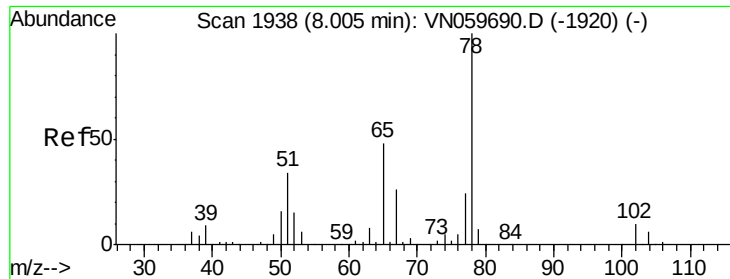
Tot Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 56 Resp: 3603
Ion Ratio Lower Upper
56 100
69 153.4 26.5 39.7#
84 125.7 65.3 97.9#

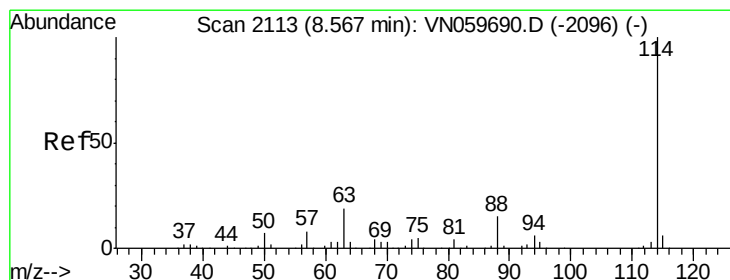
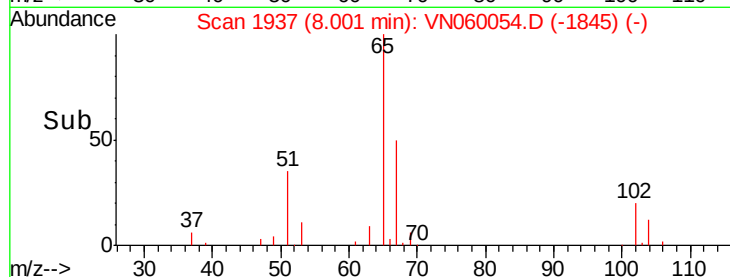
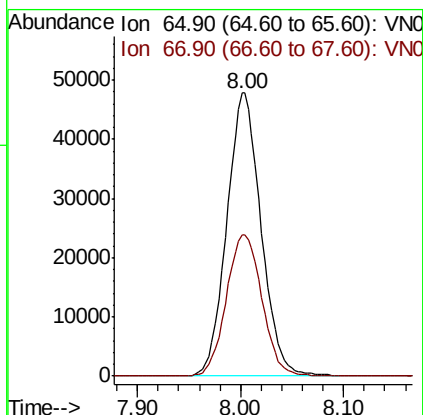
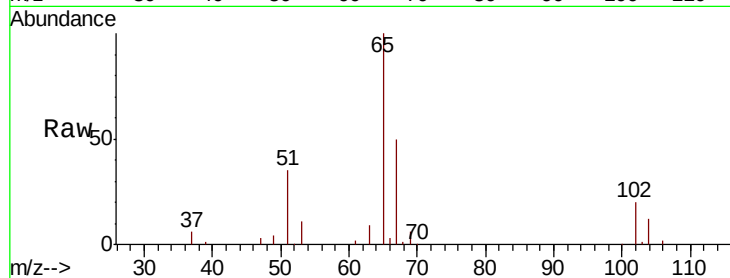




#33
 1,2-Dichloroethane-d4
 Concen: 51.690 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

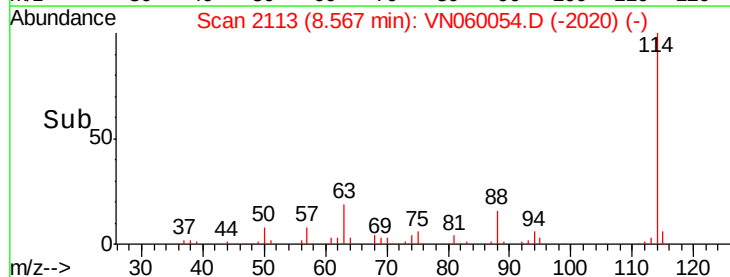
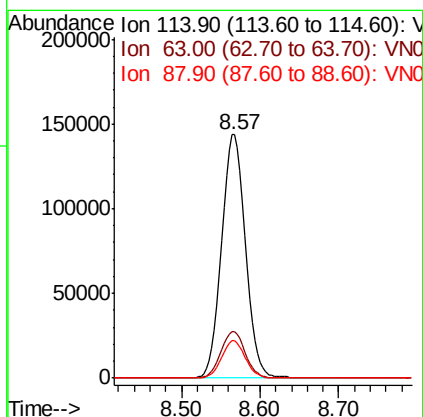
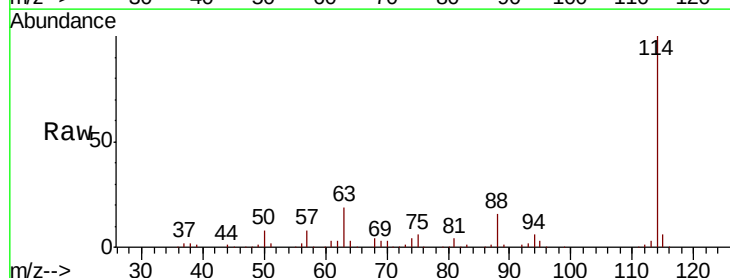
Instrument :
 MSVOA_N
 ClientSampleId :

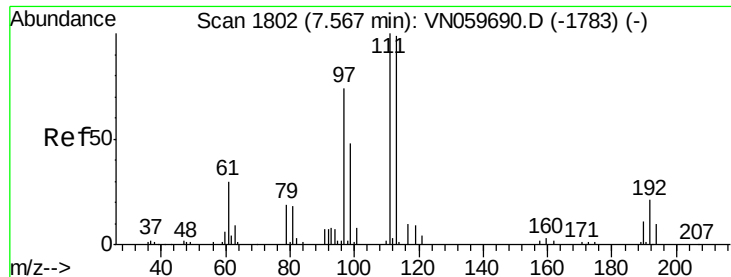
Tot Ion: 65 Resp: 110562
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 114 Resp: 300954
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.6
 88 15.5 0.0 31.4

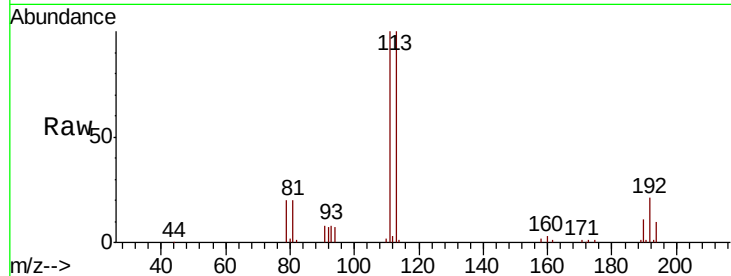




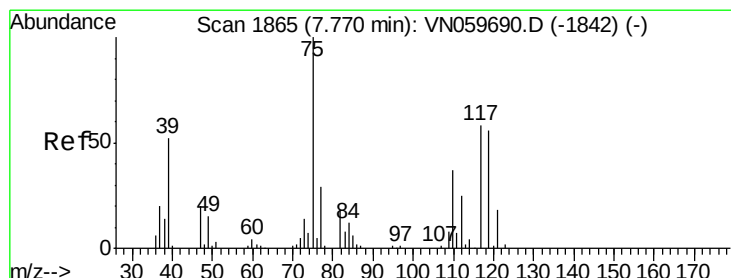
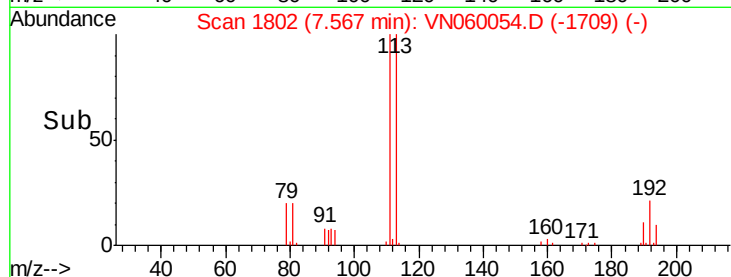
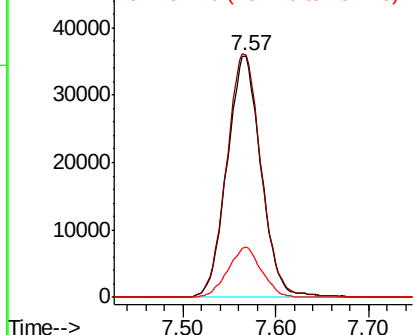
#35
 Dibromofluoromethane
 Concen: 50.769 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 91117
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.5 125.3
 192 20.6 15.4 23.2

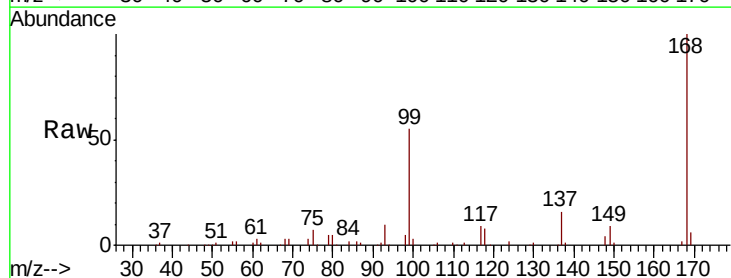


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

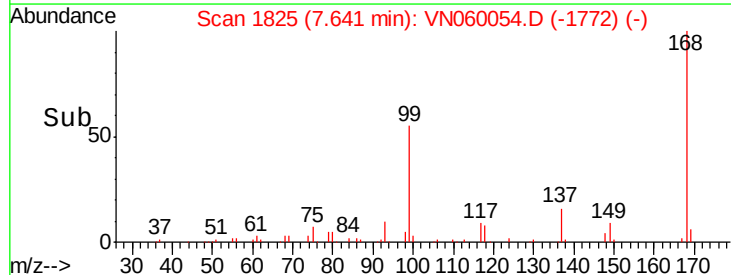
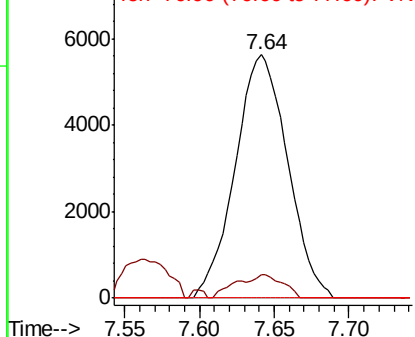


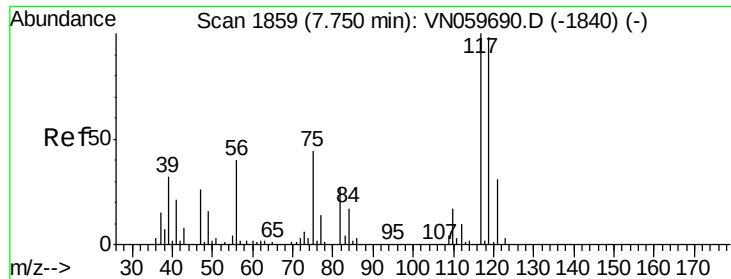
#36
 1,1-Dichloropropene
 Concen: 5.231 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 75 Resp: 13709
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.6 49.7#
 77 0.0 25.1 37.7#



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

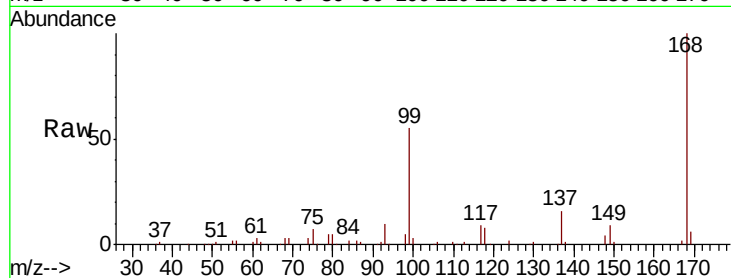




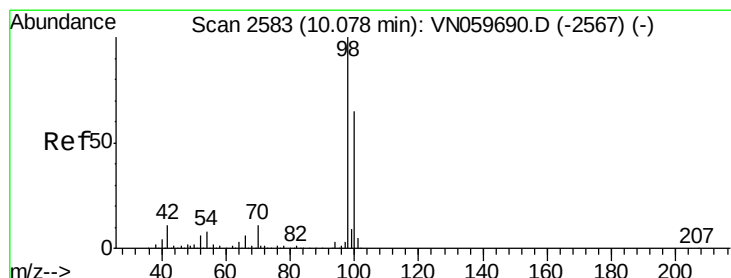
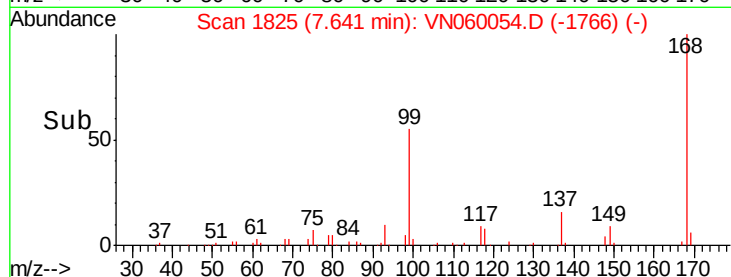
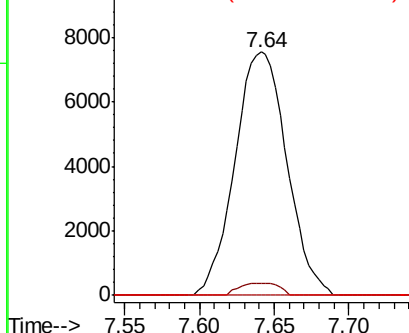
#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 18204
Ion Ratio Lower Upper
117 100
119 4.9 76.5 114.7#
121 0.0 25.1 37.7#

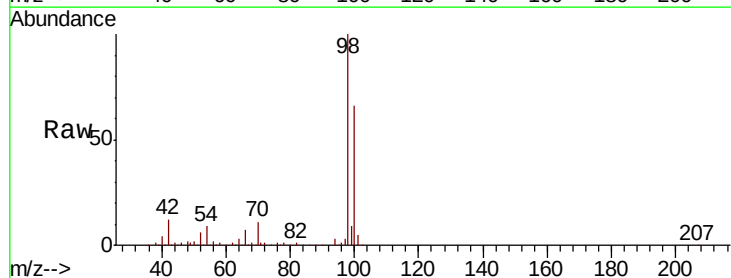


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

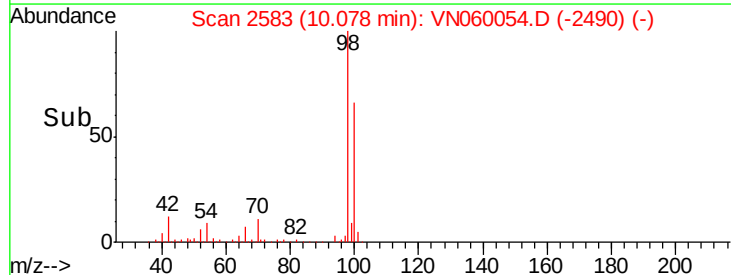
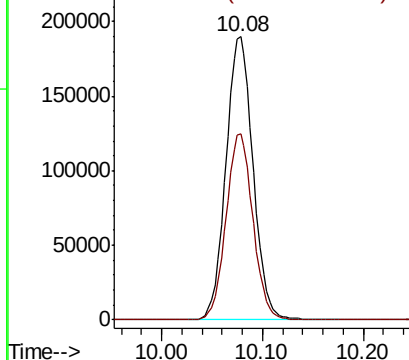


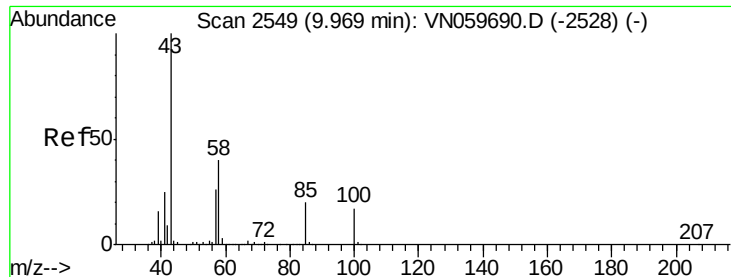
#50
Toluene-d8
Concen: 51.204 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 98 Resp: 356056
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



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

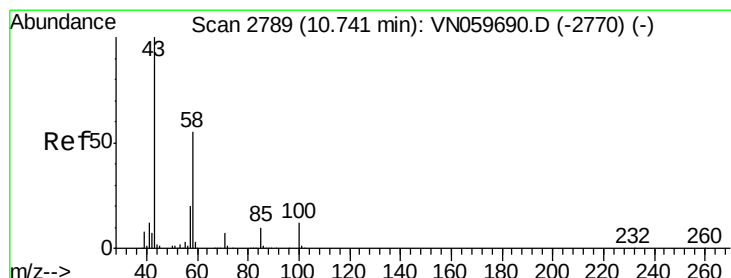
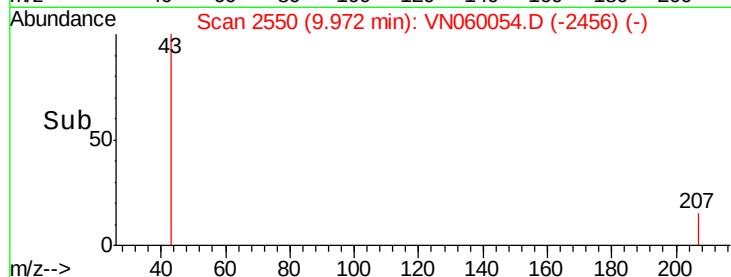
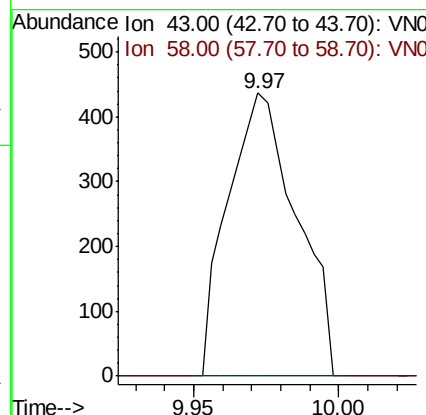
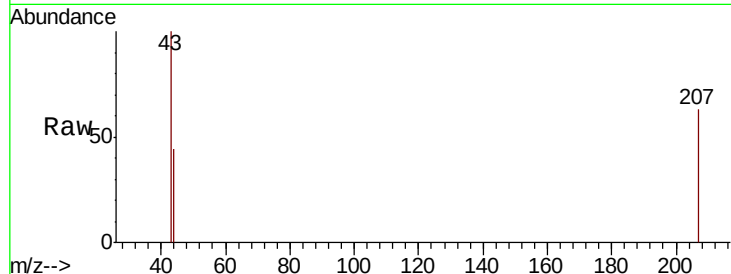




#51
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

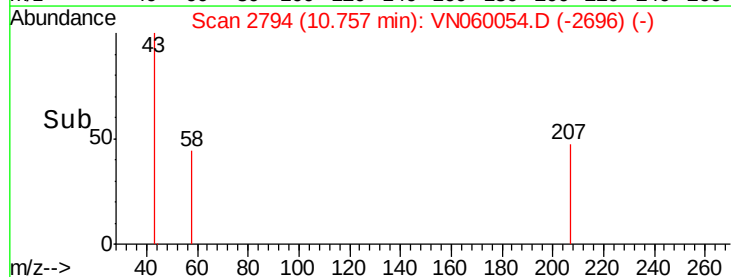
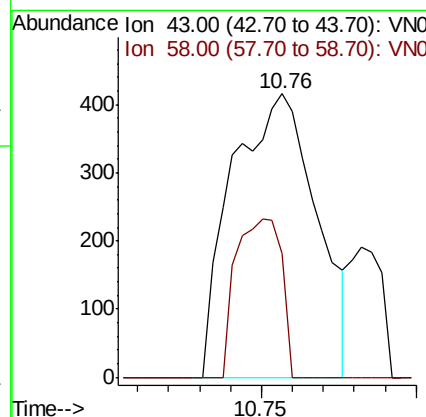
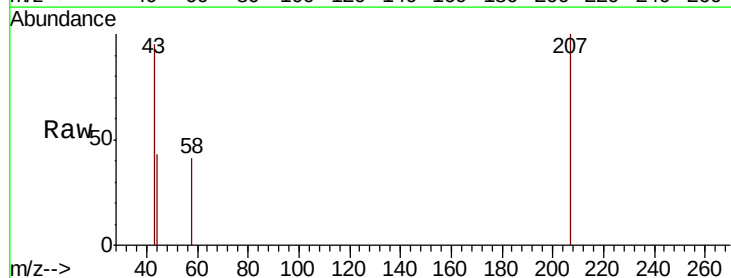
Instrument :
MSVOA_N
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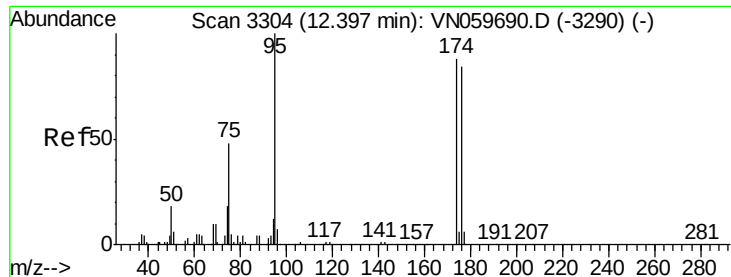
Tot Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#



#59
2-Hexanone
Concen: 0.438 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 30.2 25.8 77.3

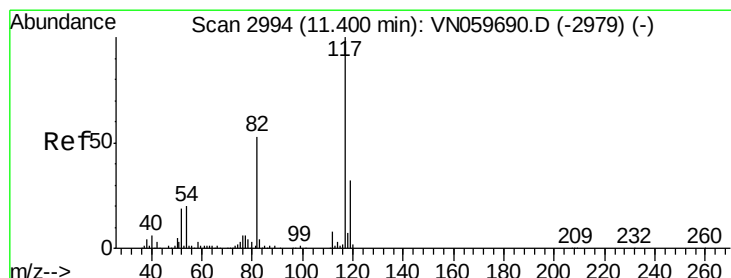
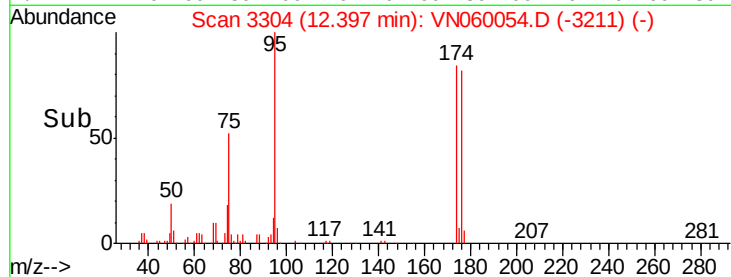
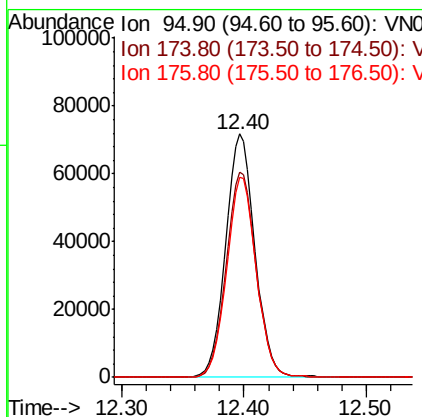
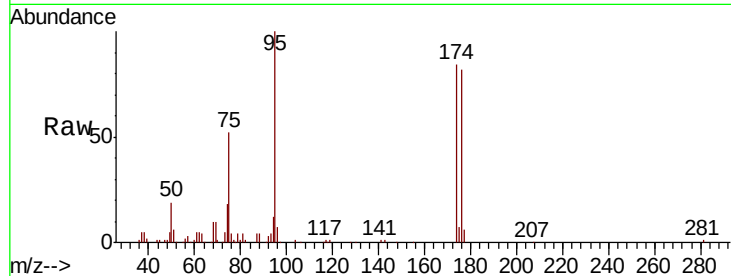




#62
 4-Bromofluorobenzene
 Concen: 48.034 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

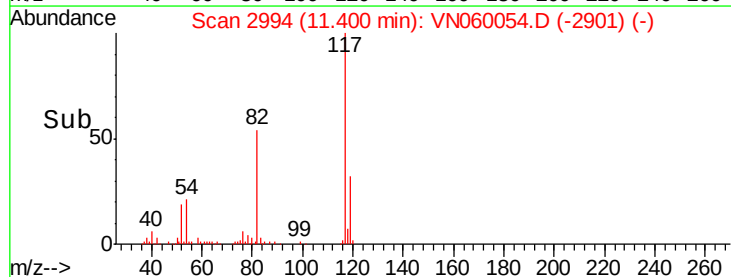
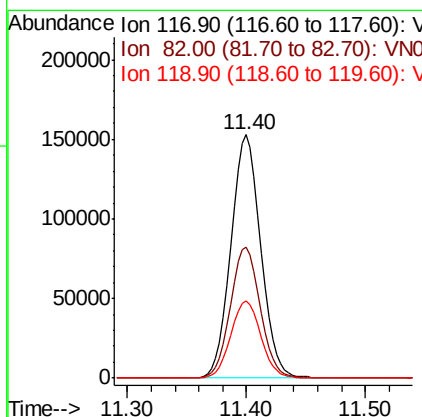
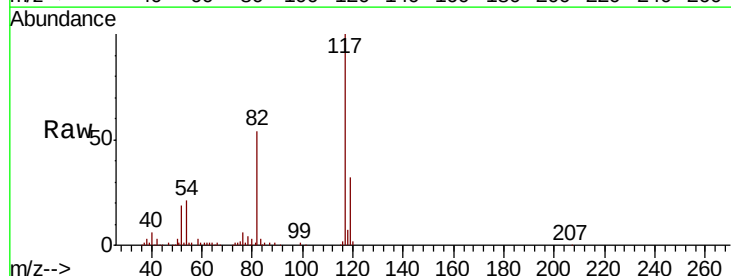
Instrument :
 MSVOA_N
 ClientSampled :

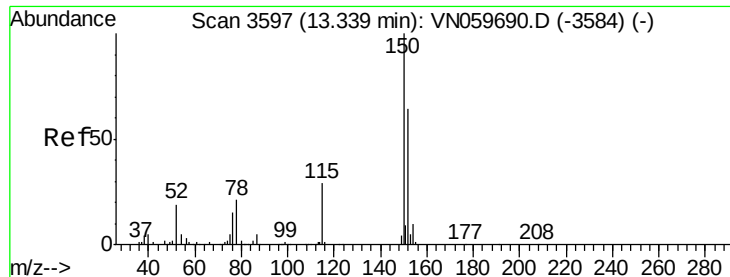
Tot Ion	95	Resp	120410
Ion Ratio	Lower	Upper	
95	100		
174	85.9	0.0	151.4
176	83.1	0.0	146.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2994
 Delta R.T. -0.00 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	117	Resp	265696
Ion Ratio	Lower	Upper	
117	100		
82	53.8	45.9	68.9
119	31.6	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060054.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_N

ClientSampled :

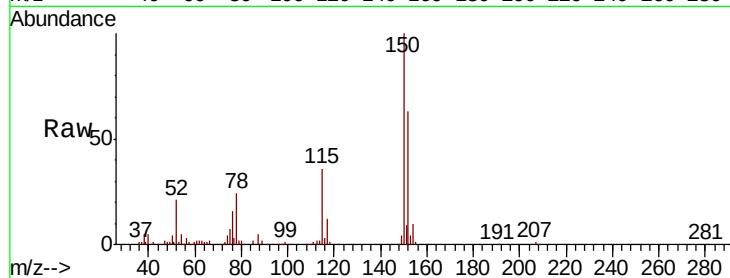
Tot Ion:152 Resp: 109137

Ion Ratio Lower Upper

152 100

115 57.8 30.3 90.9

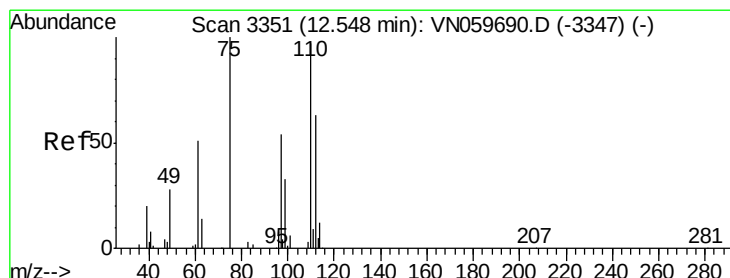
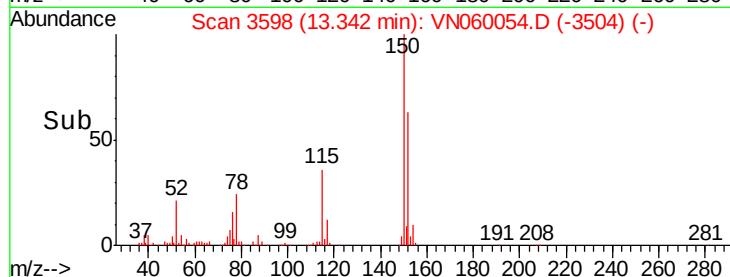
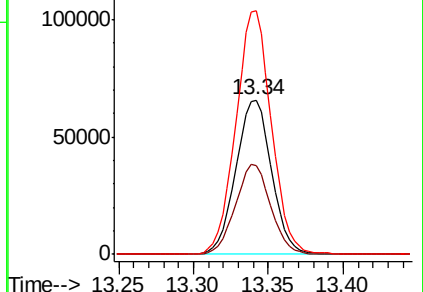
150 157.0 0.0 345.2



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: 34.185 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060054.D

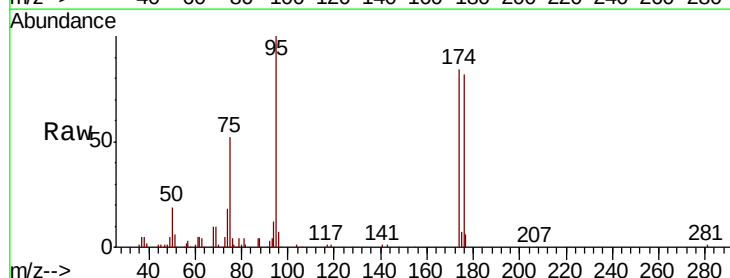
Acq: 11 Feb 2020 10:32

Tgt Ion: 75 Resp: 62786

Ion Ratio Lower Upper

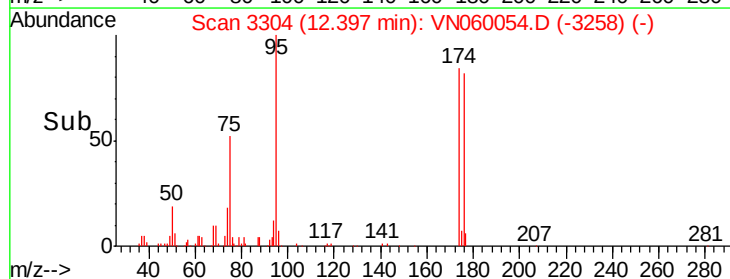
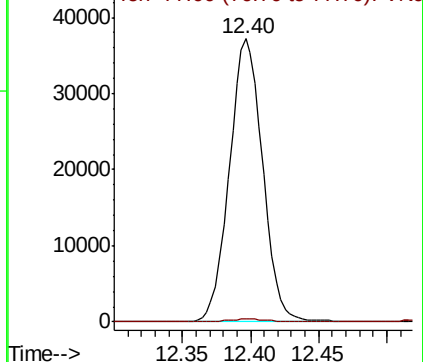
75 100

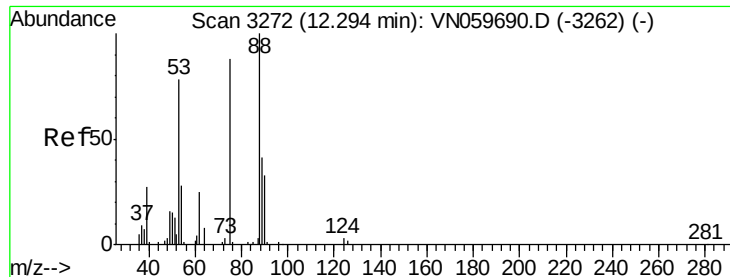
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

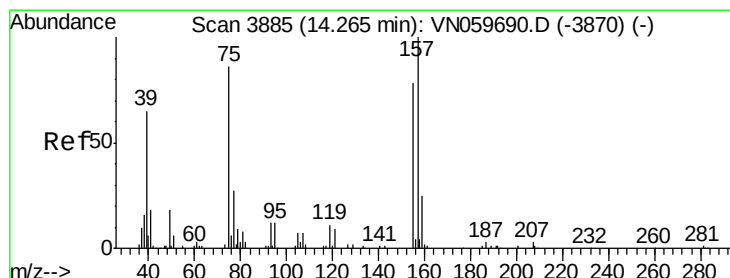
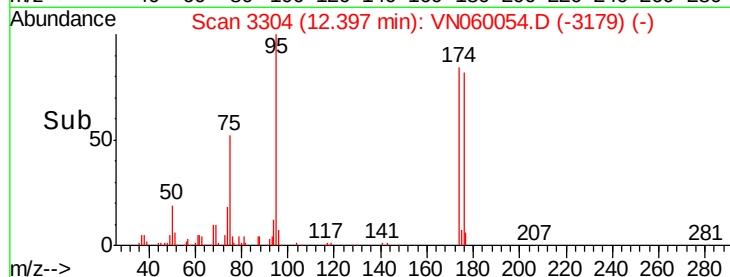
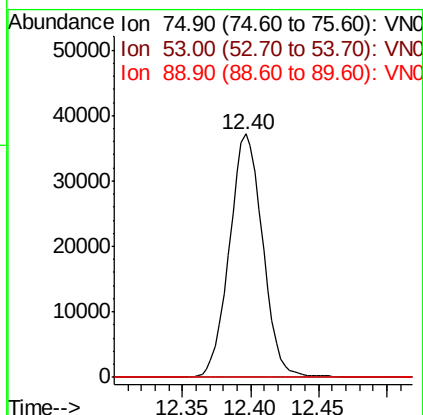
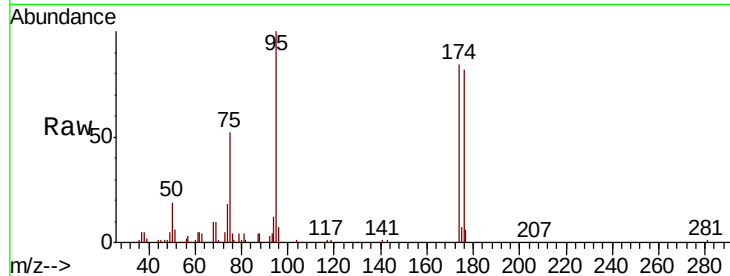




#81
trans-1,4-Dichloro-2-butene
Concen: 73.412 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

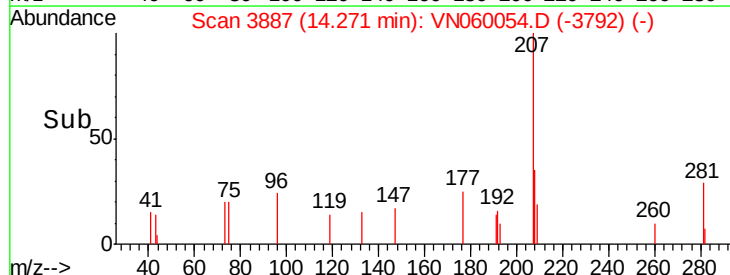
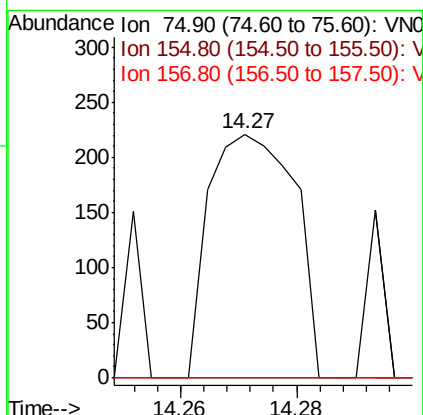
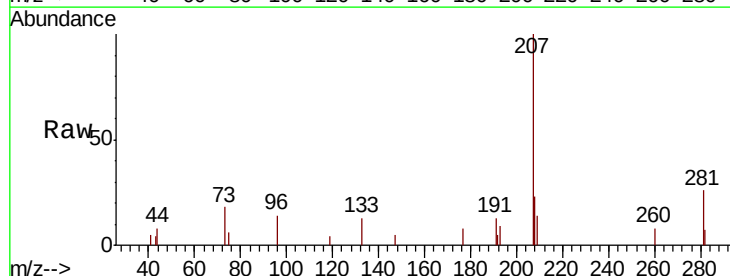
Instrument :
MSVOA_N
ClientSampled :

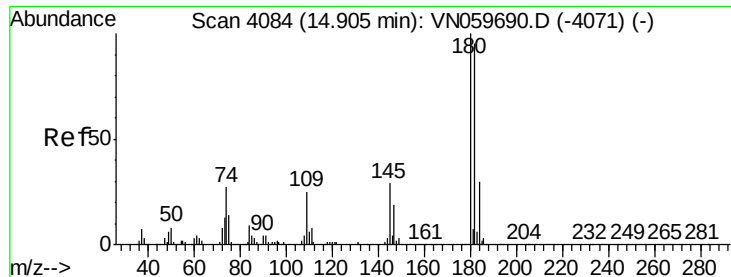
Tot Ion: 75 Resp: 62786
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.27 min Scan# 3887
Delta R.T. 0.01 min
Lab File: VN060054.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 75 Resp: 227
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.590 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060054.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

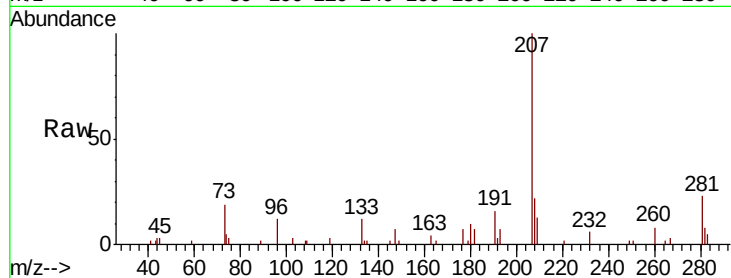
Tot Ion:180 Resp: 1234

Ion Ratio Lower Upper

180 100

182 88.0 46.9 140.7

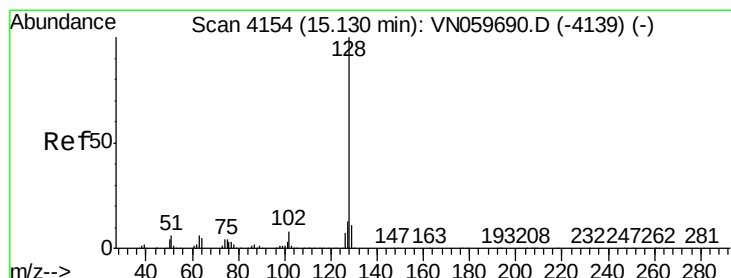
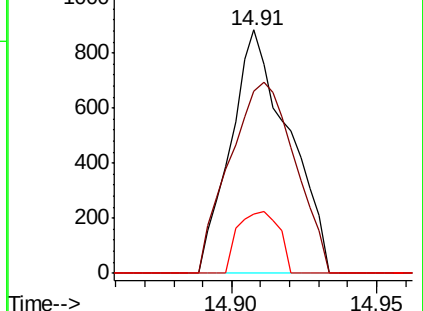
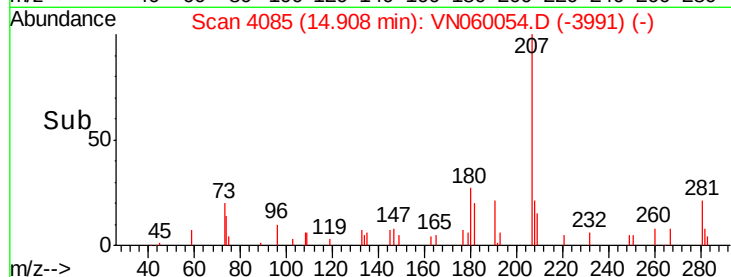
145 18.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.813 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060054.D

Acq: 11 Feb 2020 10:32

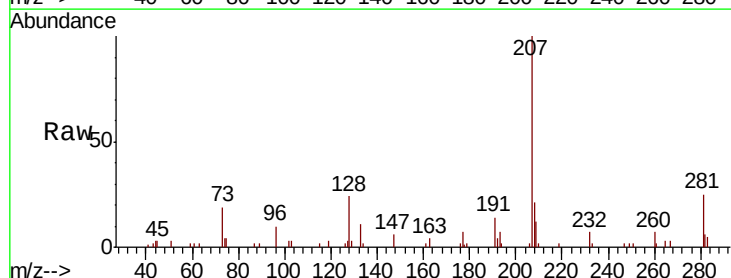
Tgt Ion:128 Resp: 4834

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

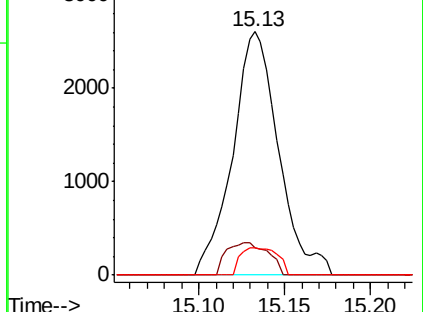
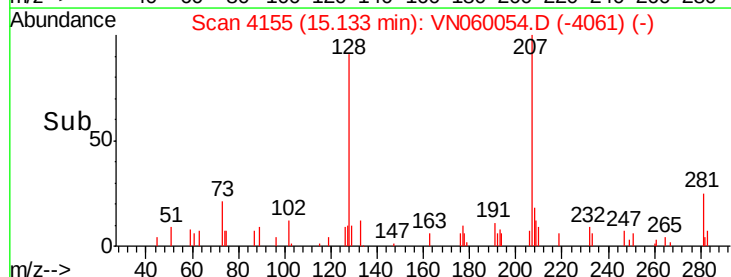
129 9.0 8.6 12.8

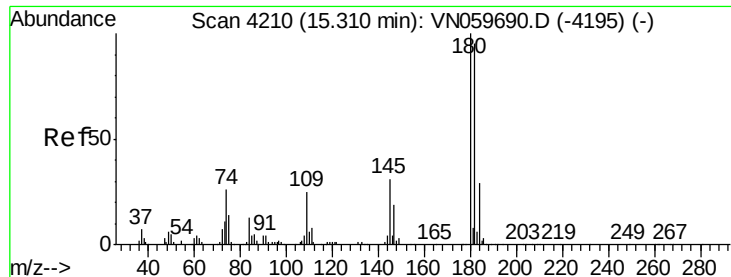


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.787 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN060054.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.4	142.3
145	35.9	16.3	48.9

