

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058769.D
 Acq On : 14 Oct 2019 23:11
 Operator : JC/SP
 Sample : K5331-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Oct 15 03:17:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	635502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239652	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	293731	54.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.32%	
35) Dibromofluoromethane	7.57	113	208419	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
50) Toluene-d8	10.08	98	752613	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.41	95	251160	42.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.54%	

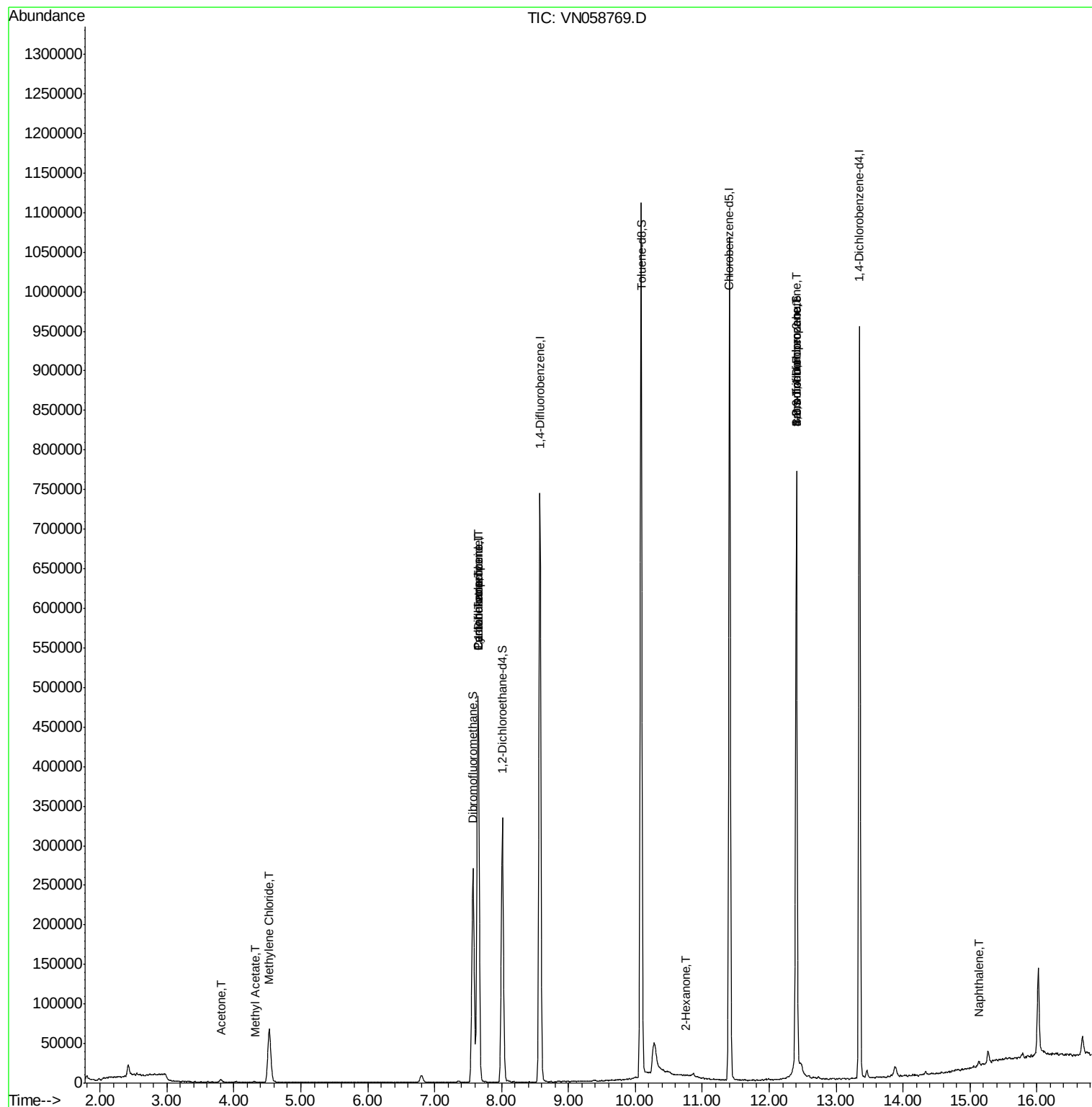
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	5106	2.295	ug/l	91
18) Methyl Acetate	4.31	43	1299	0.230	ug/l #	54
20) Methylene Chloride	4.53	84	49616	10.671	ug/l	96
31) Cyclohexane	7.65	56	9702	1.231	ug/l #	19
36) 1,1-Dichloropropene	7.65	75	32647	5.081	ug/l #	46
38) Carbon Tetrachloride	7.65	117	38735	6.186	ug/l #	17
59) 2-Hexanone	10.76	43	1041	0.217	ug/l #	30
71) Bromoform	12.41	173	1305	0.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	136140	25.895	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	136140	69.364	ug/l #	11
95) Naphthalene	15.14	128	2743	0.206	ug/l #	85

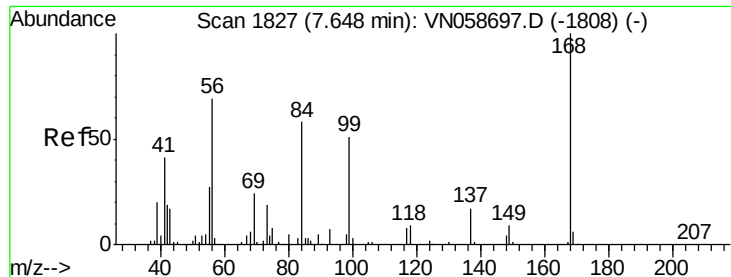
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Instrument :

MSVOA_N

ClientSampled :

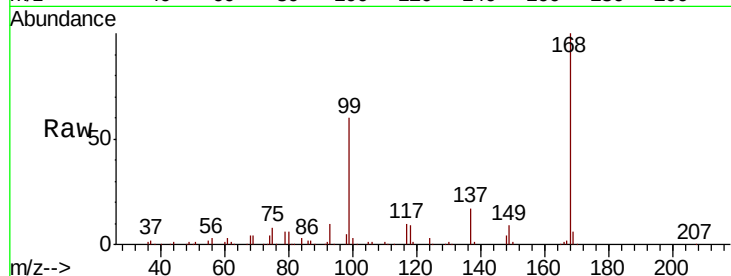
TP-10

Tot Ion:168 Resp: 383861

Ion Ratio Lower Upper

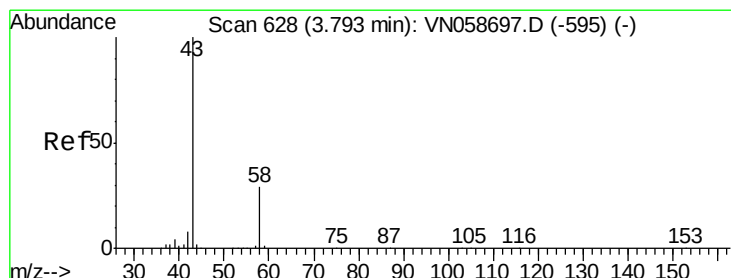
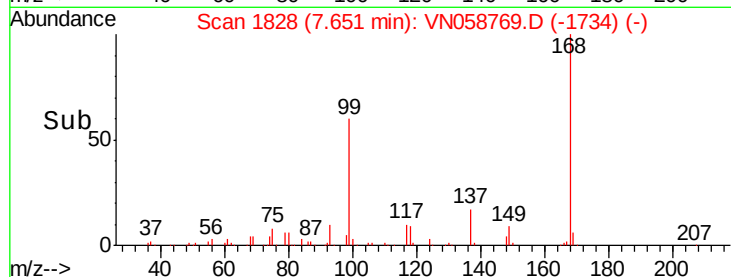
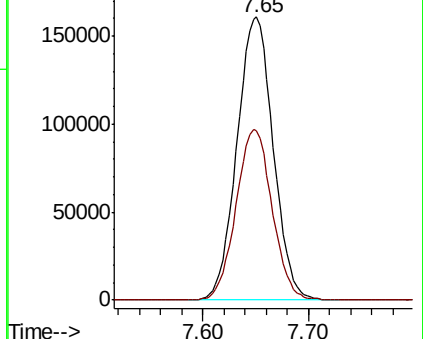
168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 2.295 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058769.D

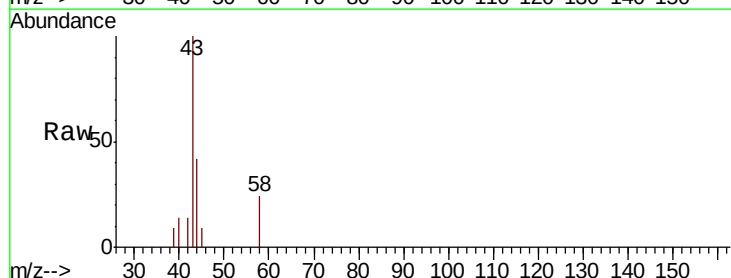
Acq: 14 Oct 2019 23:11

Tgt Ion: 43 Resp: 5106

Ion Ratio Lower Upper

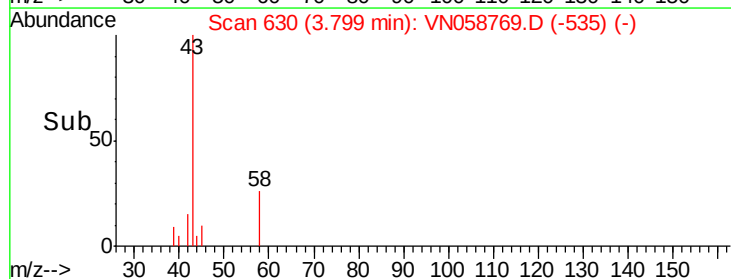
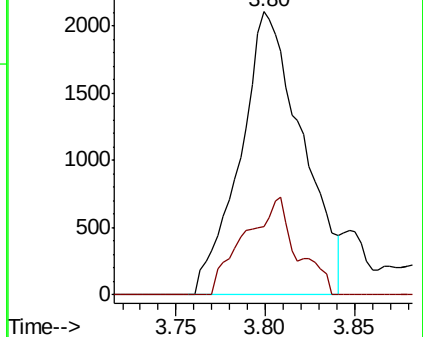
43 100

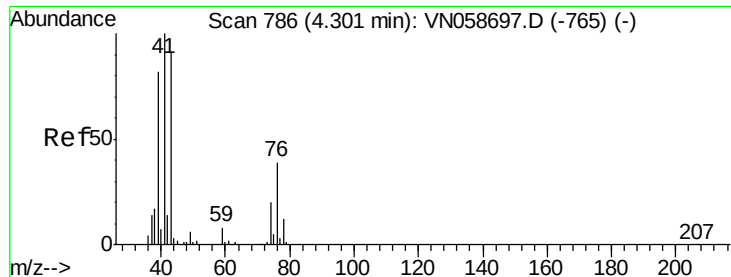
58 24.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

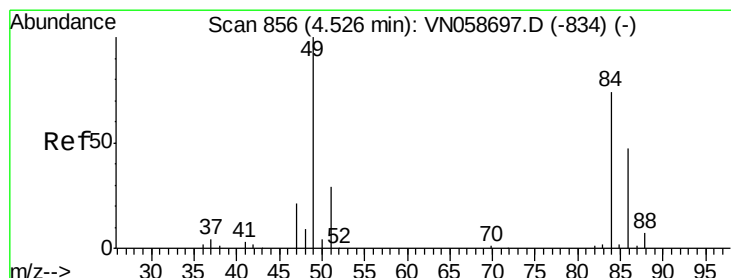
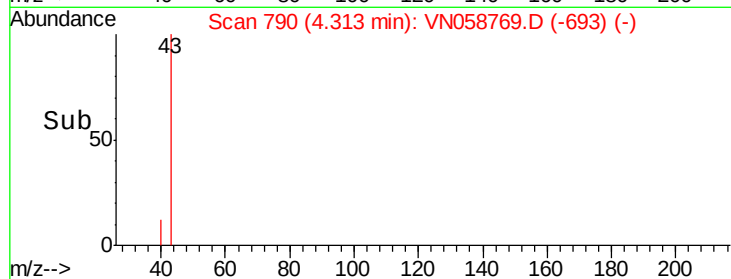
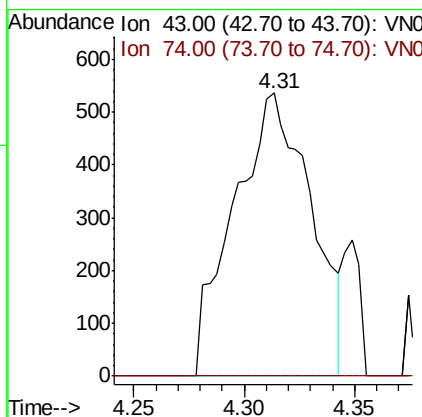
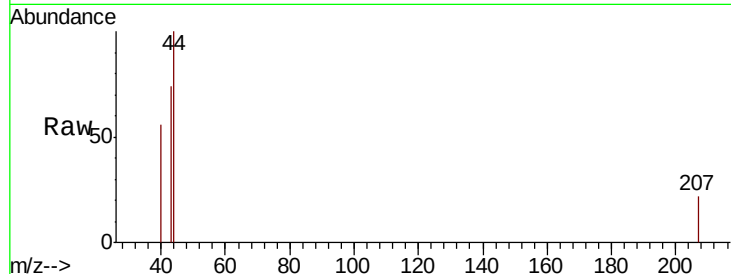




#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058769.D
Acq: 14 Oct 2019 23:11

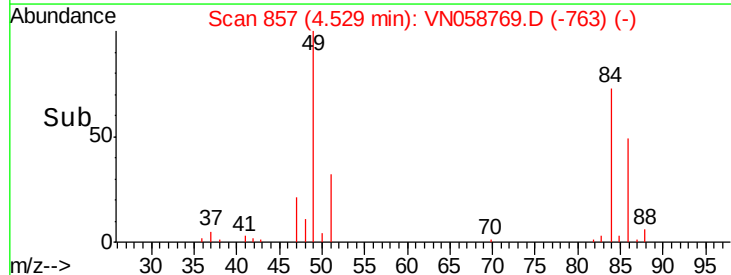
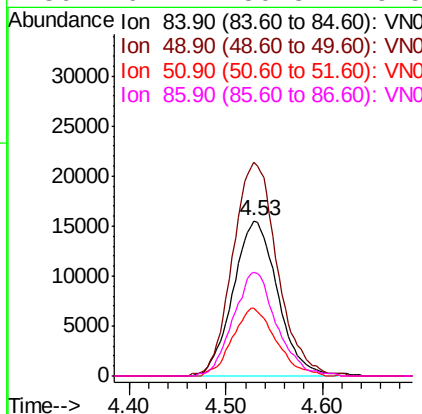
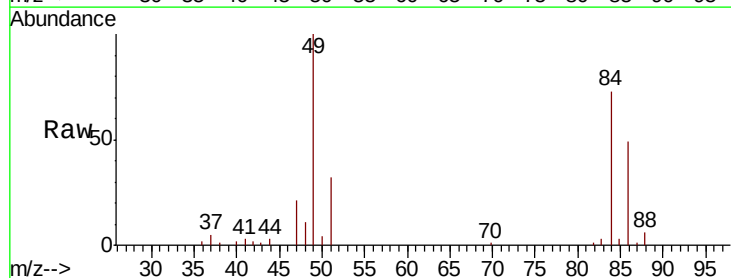
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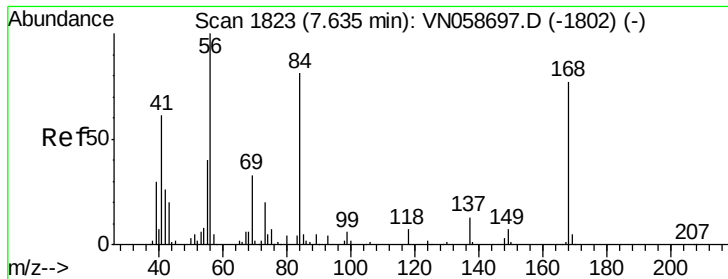
Tot Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
74 0.0 17.2 25.8#



#20
Methylene Chloride
Concen: 10.671 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058769.D
Acq: 14 Oct 2019 23:11

Tgt Ion: 84 Resp: 49616
Ion Ratio Lower Upper
84 100
49 137.8 107.6 161.4
51 43.7 31.4 47.0
86 67.1 50.3 75.5





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

TP-10

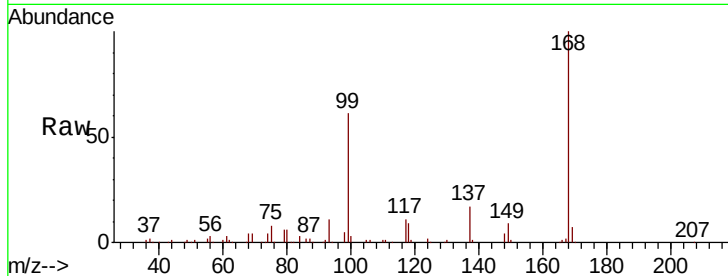
Tot Ion: 56 Resp: 9702

Ion Ratio Lower Upper

56 100

69 147.5 26.2 39.4#

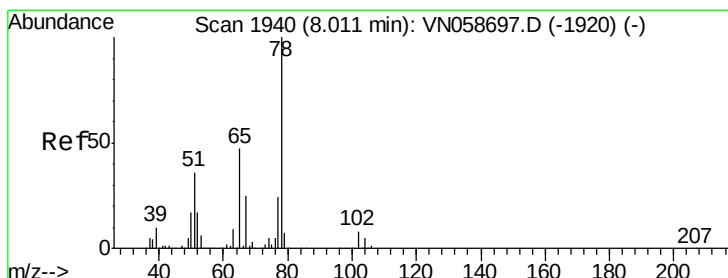
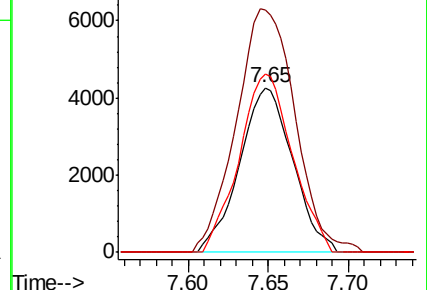
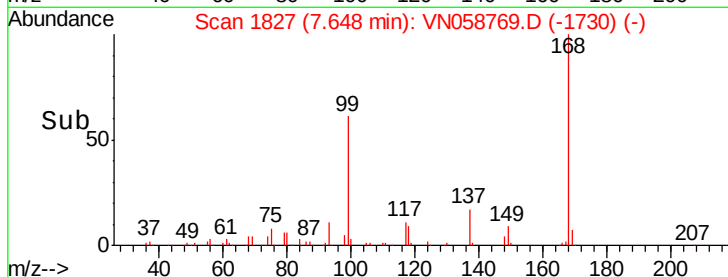
84 108.5 64.9 97.3#



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



#33

1,2-Dichloroethane-d4

Concen: 54.658 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058769.D

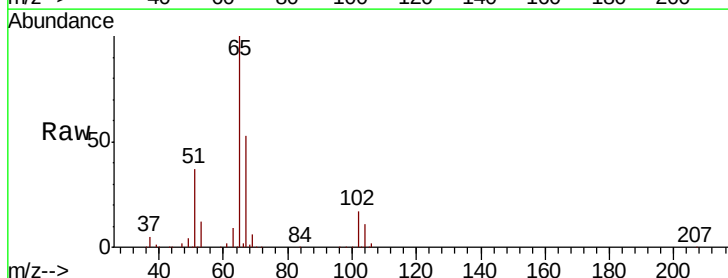
Acq: 14 Oct 2019 23:11

Tgt Ion: 65 Resp: 293731

Ion Ratio Lower Upper

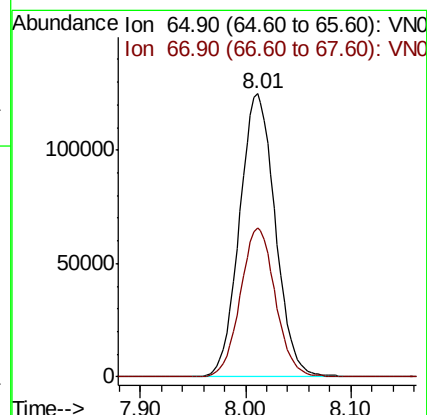
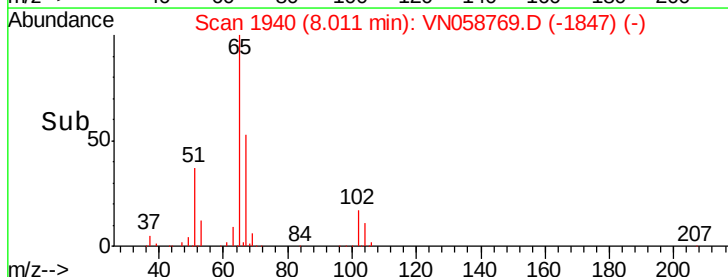
65 100

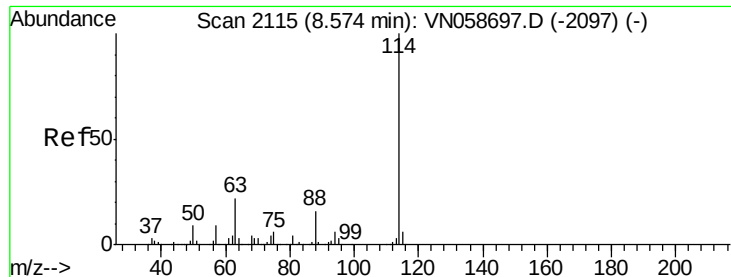
67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

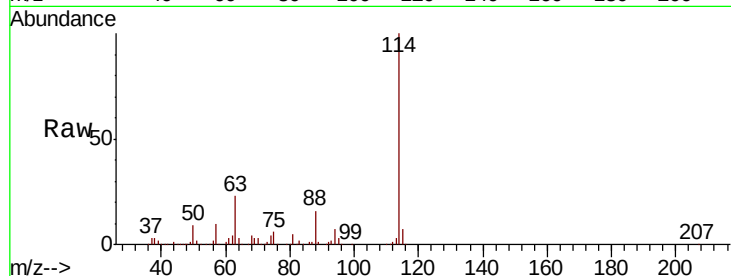




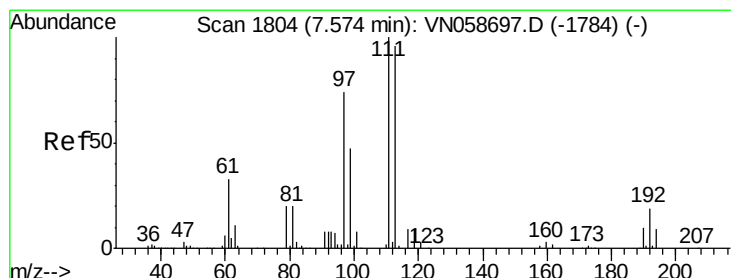
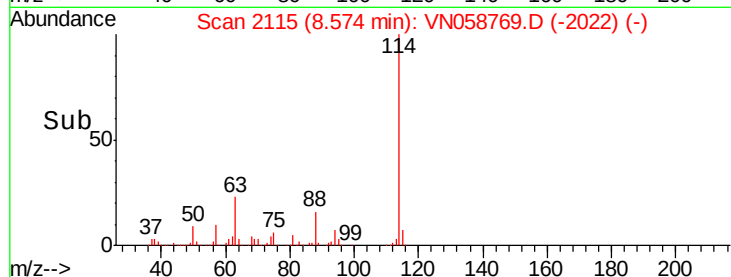
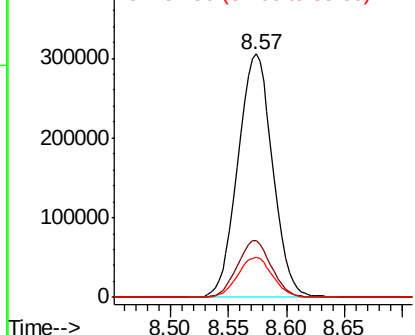
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058769.D
 Acq: 14 Oct 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Tot Ion:114 Resp: 635502
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 43.8
 88 16.3 0.0 32.0

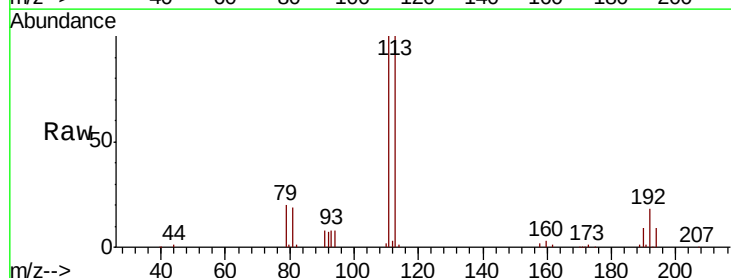


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

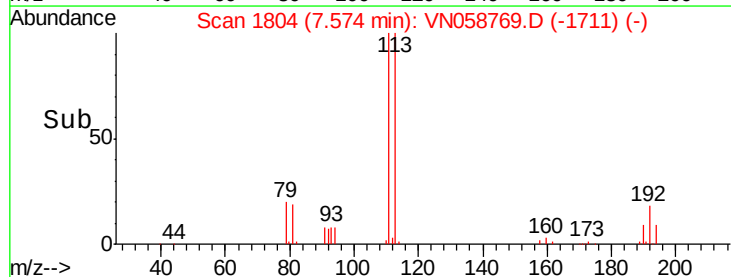
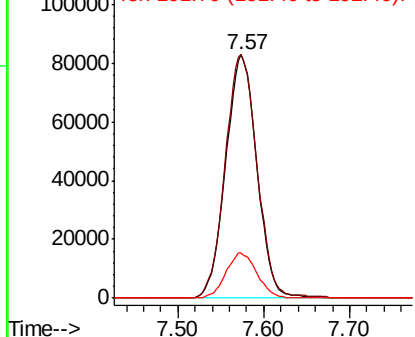


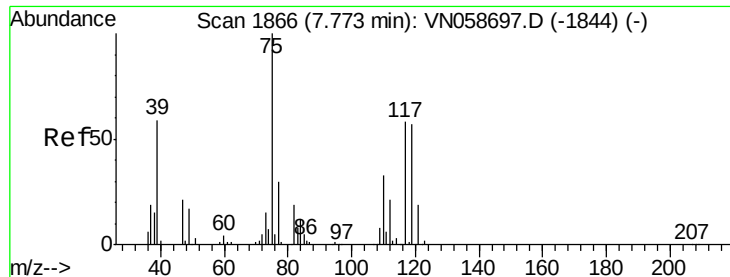
#35
 Dibromofluoromethane
 Concen: 53.095 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058769.D
 Acq: 14 Oct 2019 23:11

Tgt Ion:113 Resp: 208419
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 18.4 15.0 22.6



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

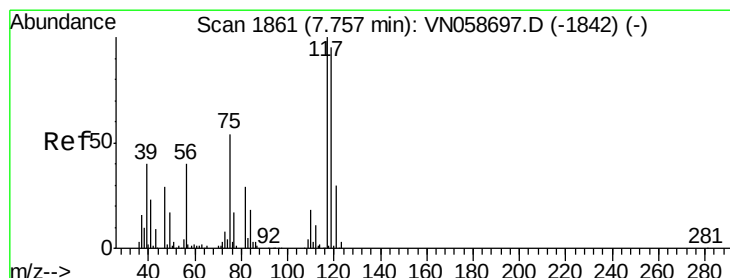
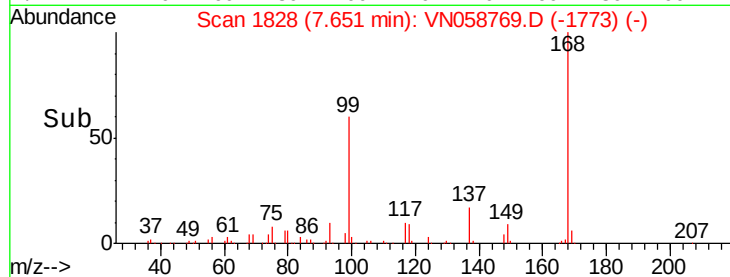
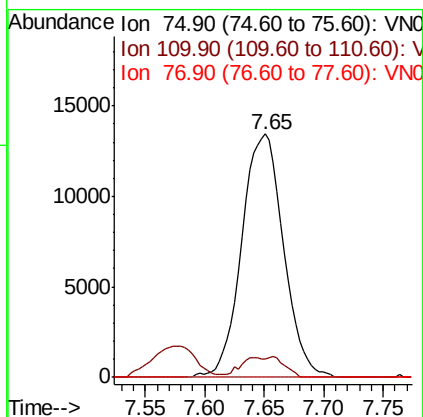
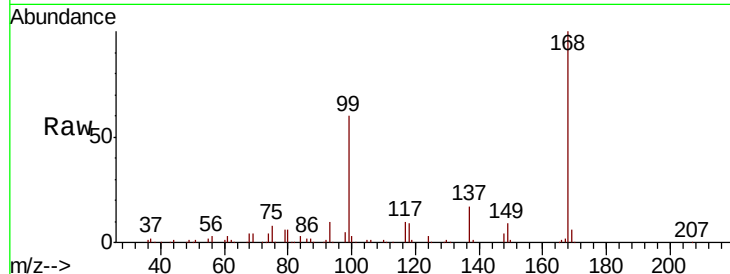




#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058769.D
 Acq: 14 Oct 2019 23:11

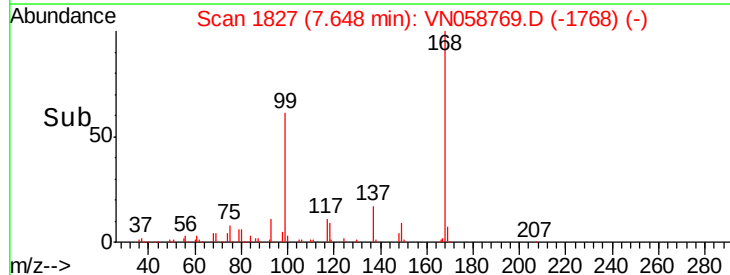
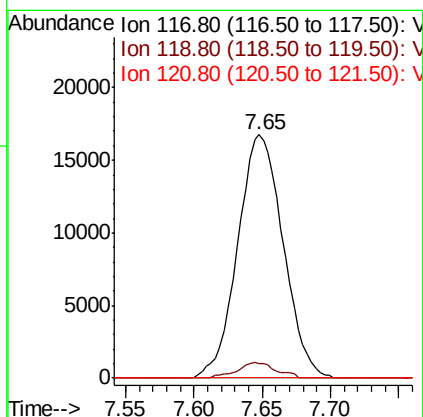
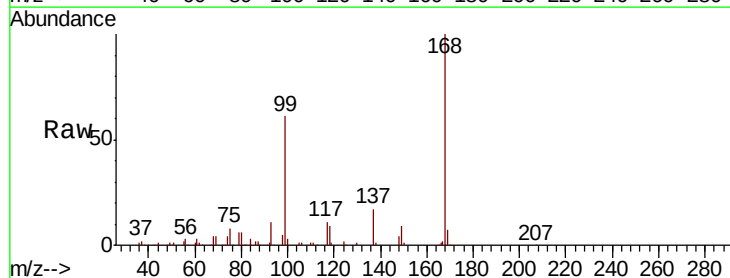
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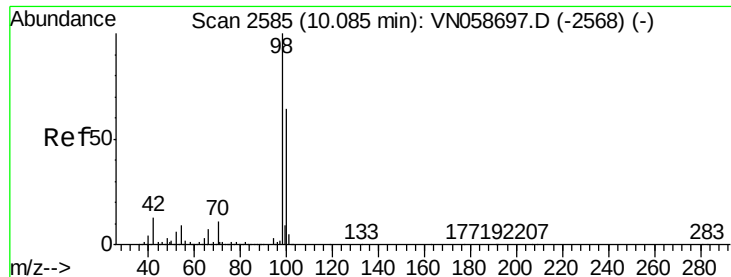
Tot Ion	75	Resp	32647
Ion Ratio	100	Lower	Upper
75	100		
110	3.9	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.186 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058769.D
 Acq: 14 Oct 2019 23:11

Tgt Ion	117	Resp	38735
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.2	75.7	113.5#
121	0.0	23.9	35.9#

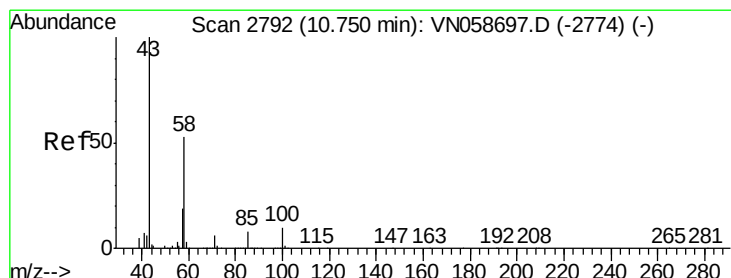
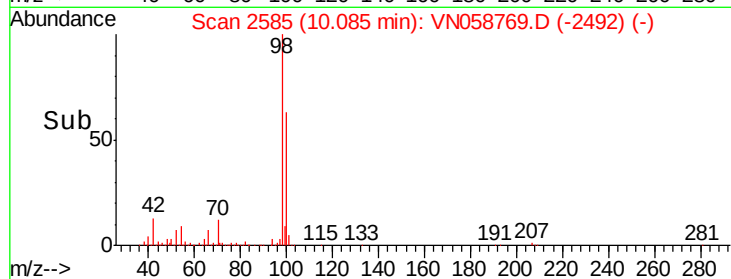
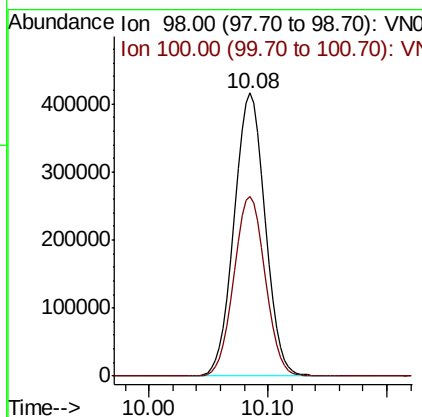
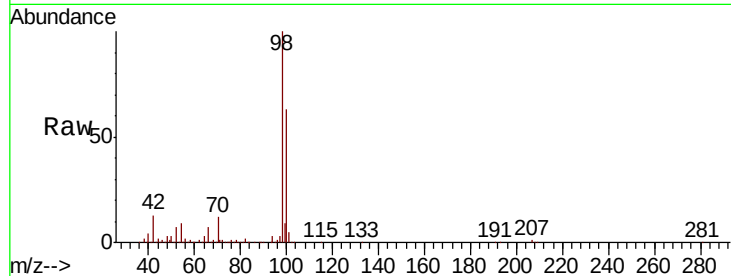




#50
Toluene-d8
Concen: 47.946 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058769.D
Acq: 14 Oct 2019 23:11

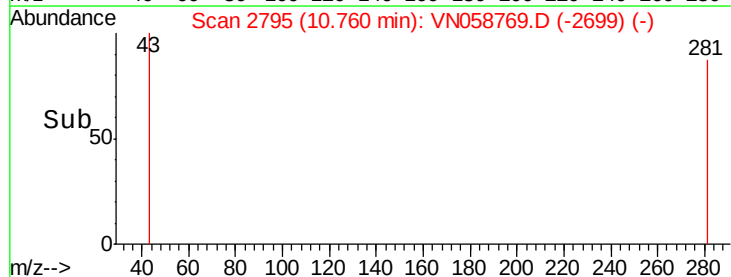
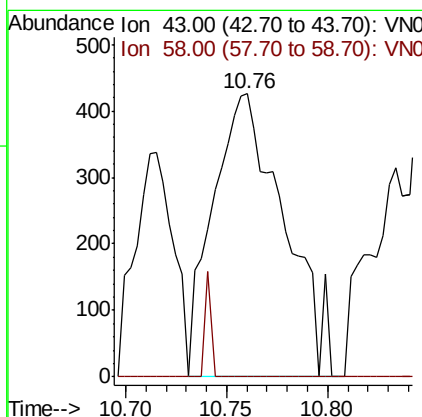
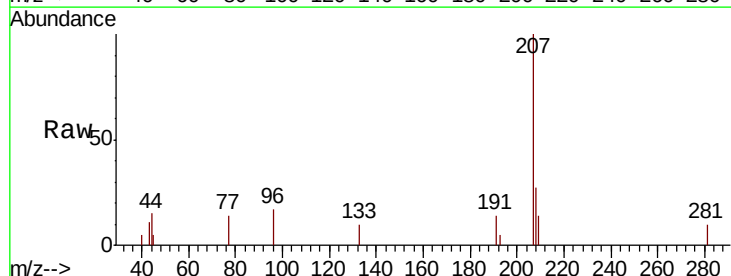
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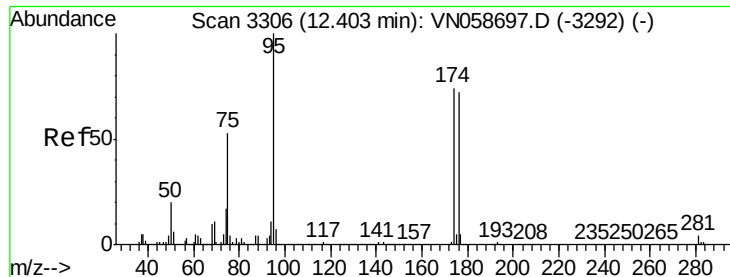
Tot Ion: 98 Resp: 752613
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#59
2-Hexanone
Concen: 0.217 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058769.D
Acq: 14 Oct 2019 23:11

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 2.9 26.1 78.3#

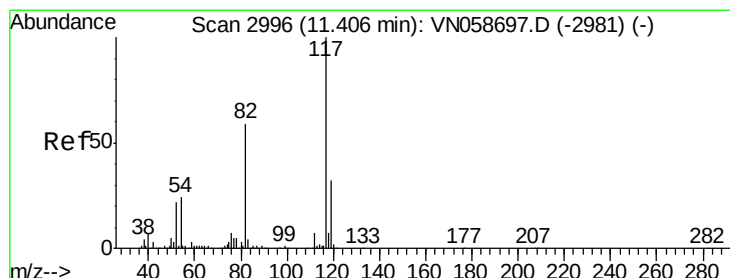
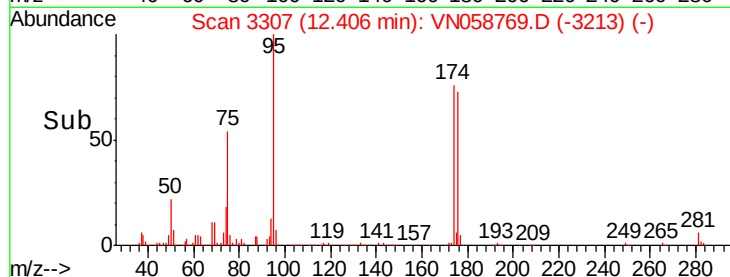
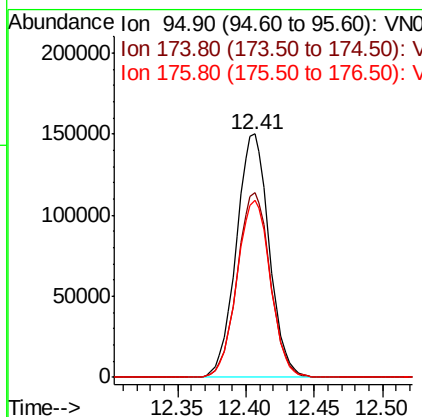
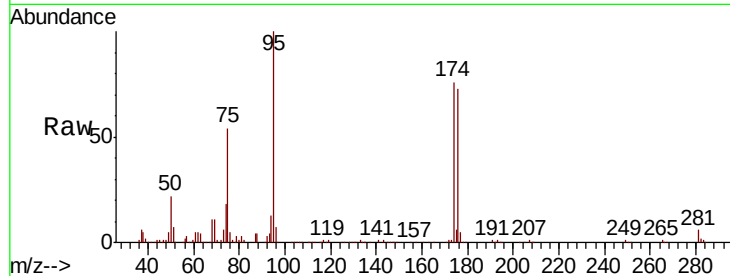




#62
4-Bromofluorobenzene
Concen: 42.270 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058769.D
Acq: 14 Oct 2019 23:11

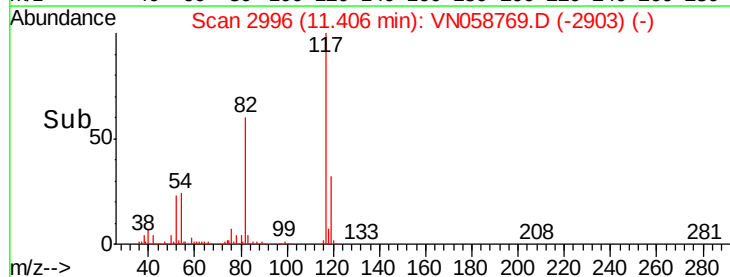
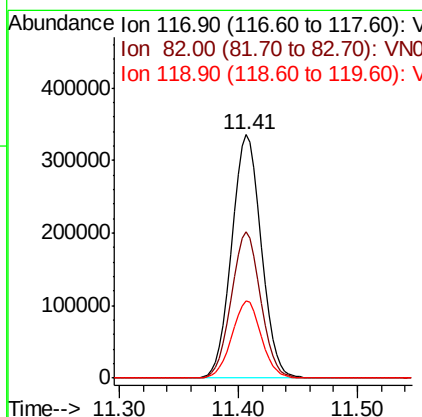
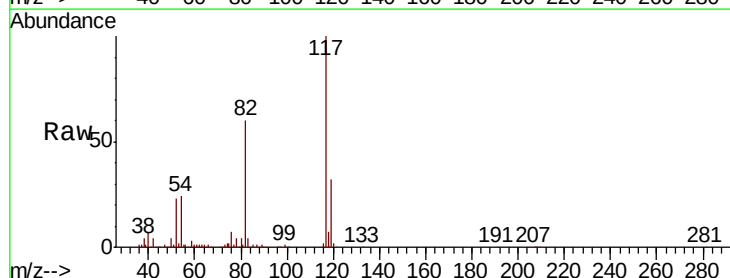
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MSVOA_N
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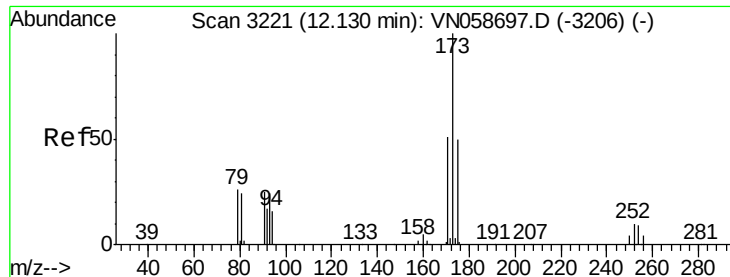
Tot Ion: 95 Resp: 251160
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.4
176 74.3 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058769.D
Acq: 14 Oct 2019 23:11

Tgt Ion: 117 Resp: 578198
Ion Ratio Lower Upper
117 100
82 59.9 47.0 70.4
119 31.7 25.4 38.2





#71

Bromoform

Concen: 0.410 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Instrument :

MSVOA_N

ClientSampled :

TP-10

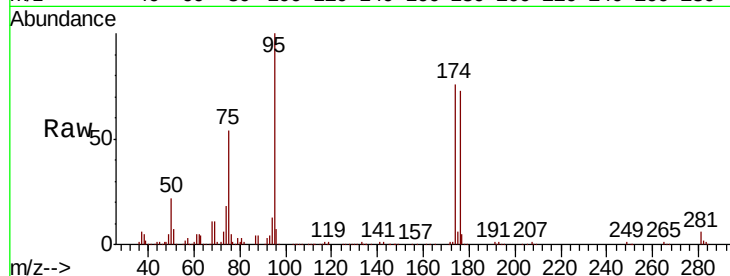
Tot Ion:173 Resp: 1305

Ion Ratio Lower Upper

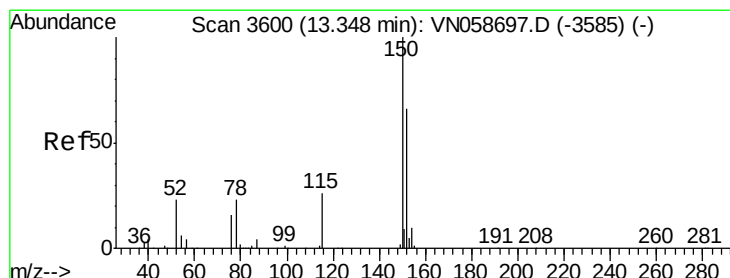
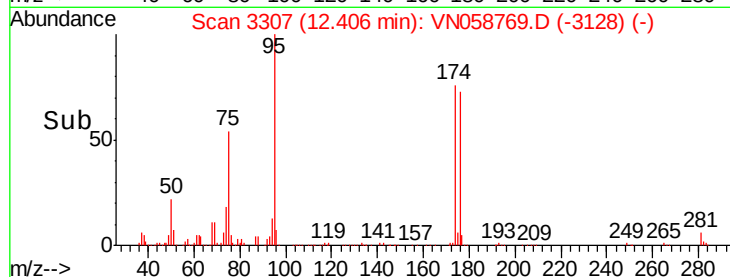
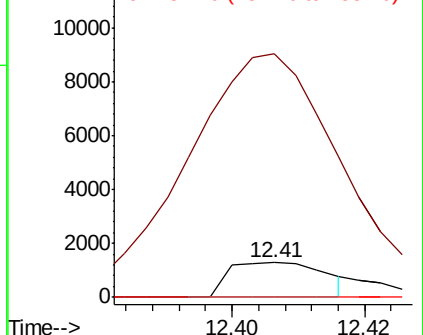
173 100

175 994.4 24.6 73.8#

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

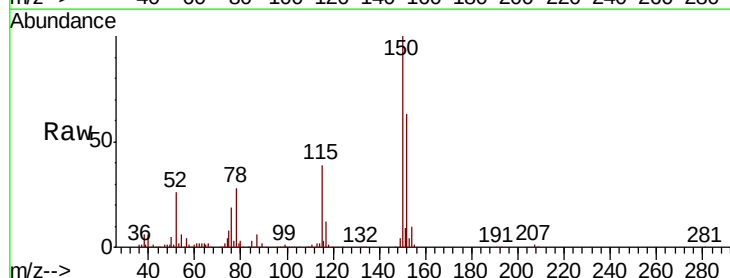
Tgt Ion:152 Resp: 239652

Ion Ratio Lower Upper

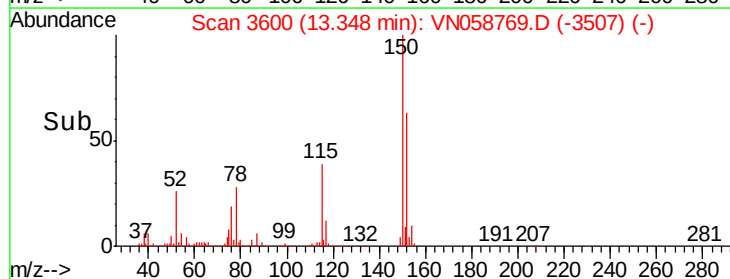
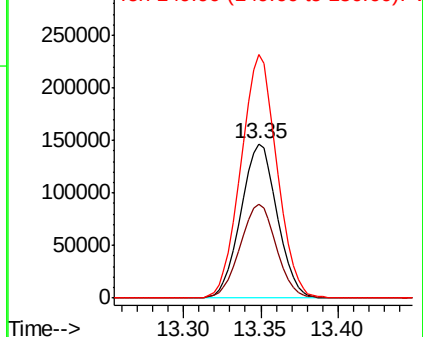
152 100

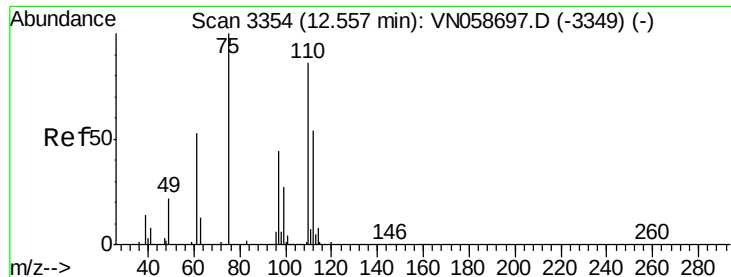
115 60.9 30.4 91.2

150 157.2 0.0 345.4



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: 25.895 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

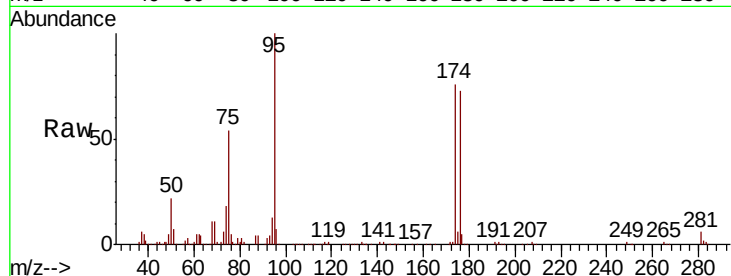
TP-10

Tot Ion: 75 Resp: 136140

Ion Ratio Lower Upper

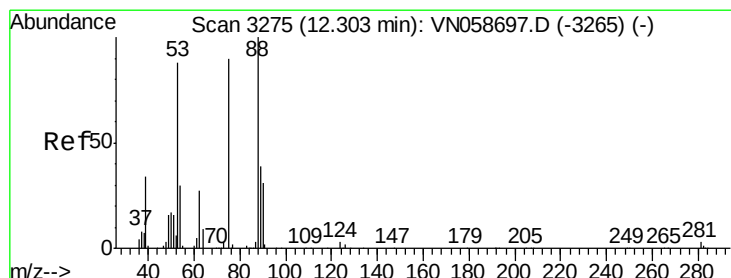
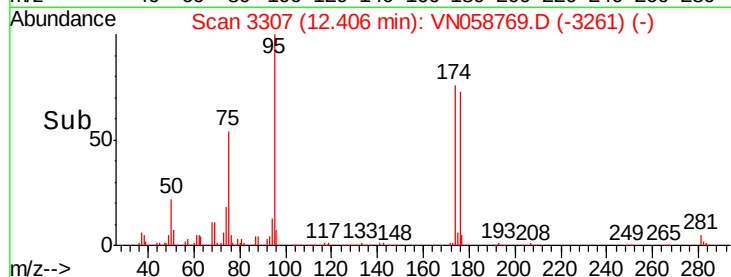
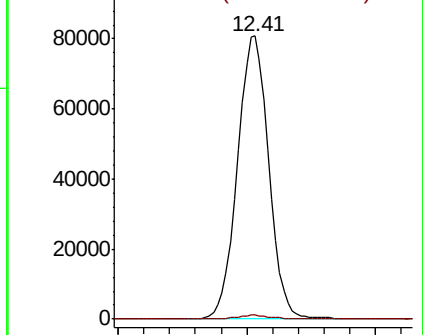
75 100

77 1.6 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: 69.364 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

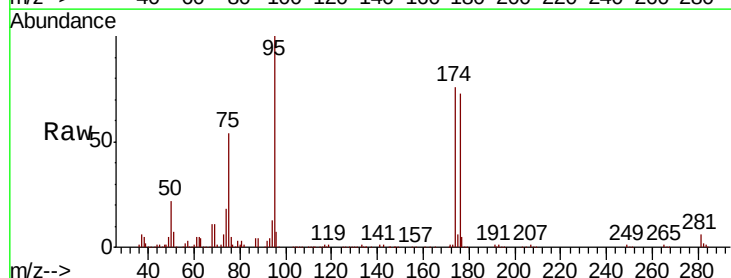
Tgt Ion: 75 Resp: 136140

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

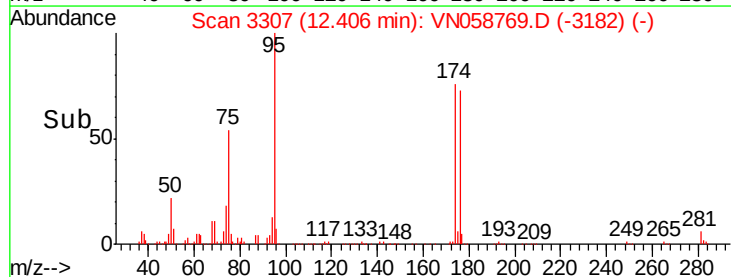
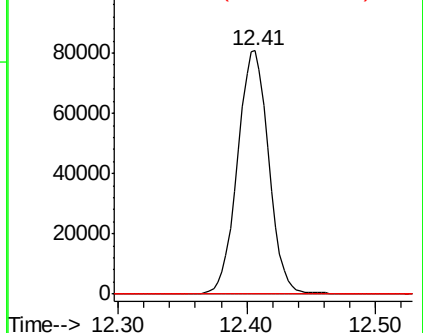
89 0.0 34.9 52.3#

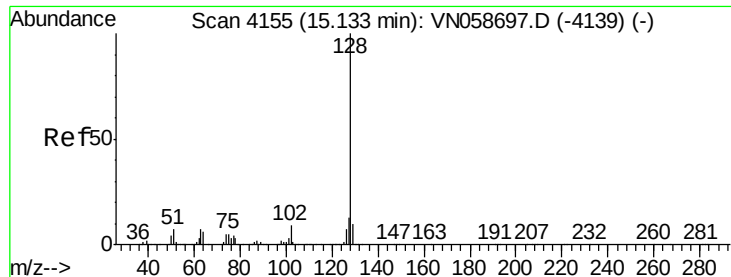


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

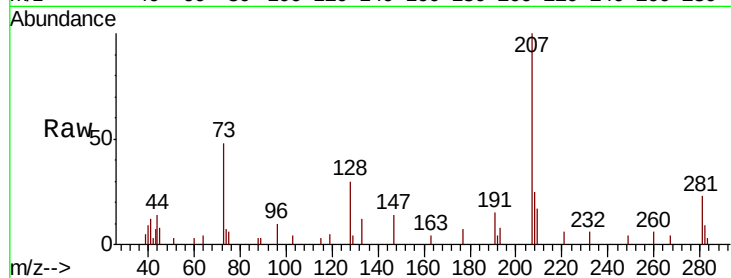




#95
 Naphthalene
 Concen: 0.206 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058769.D
 Acq: 14 Oct 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Tot Ion:128 Resp: 2743
 Ion Ratio Lower Upper
 128 100
 127 2.8 10.2 15.4#
 129 11.2 8.5 12.7



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

