

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061012.D
 Acq On : 16 Apr 2020 15:22
 Operator : JC/MD
 Sample : VN0416WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBL01

Quant Time: Apr 17 03:56:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	153677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	260226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	94065	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	101545	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	7.56	113	77829	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	10.08	98	318138	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
62) 4-Bromofluorobenzene	12.39	95	111655	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

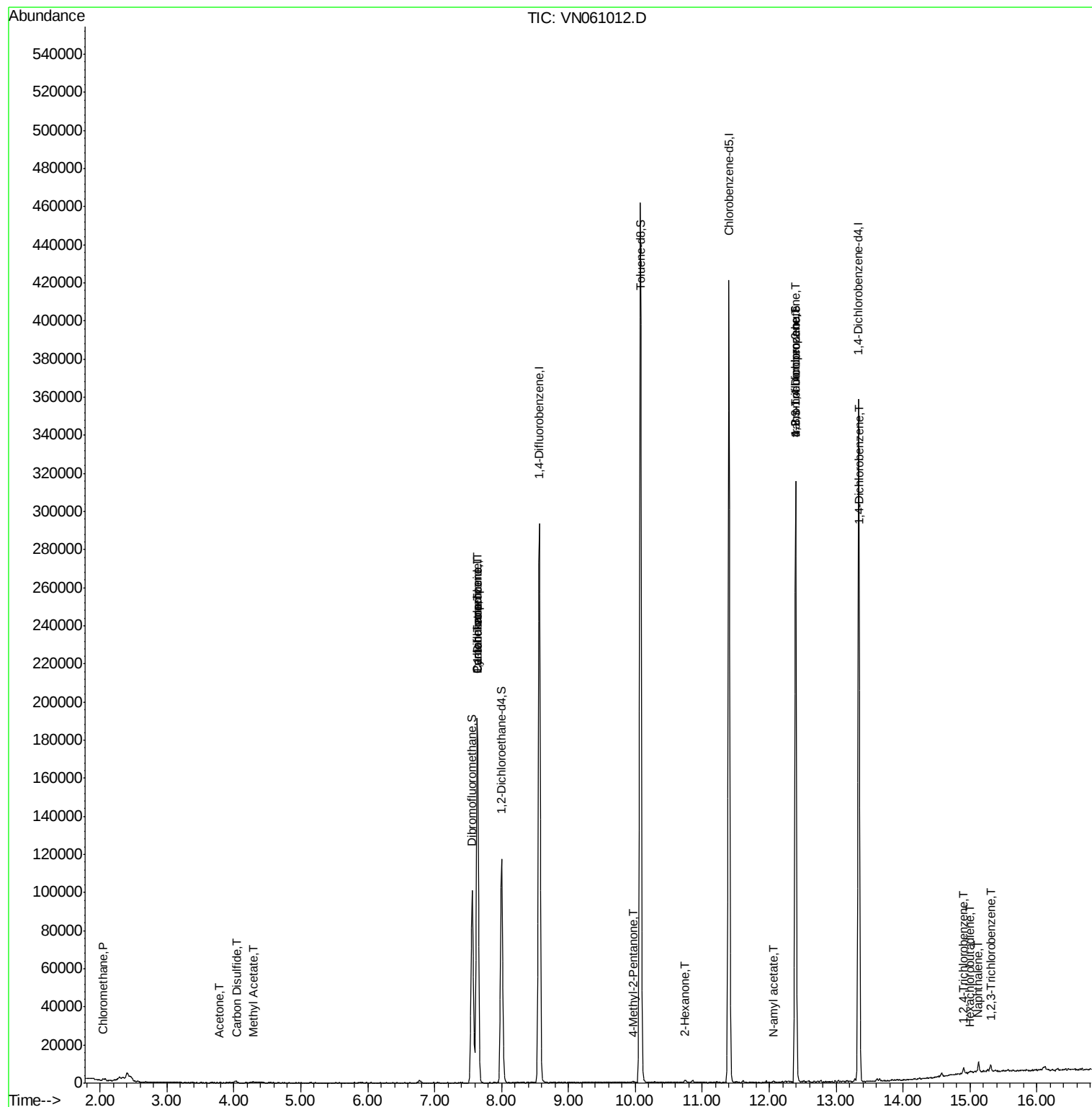
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	688	0.252	ug/l #	43
16) Acetone	3.79	43	221	0.255	ug/l #	44
17) Carbon Disulfide	4.04	76	1727	0.328	ug/l #	74
18) Methyl Acetate	4.29	43	665	0.245	ug/l #	54
31) Cyclohexane	7.64	56	3425	0.935	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12268	4.569	ug/l #	50
38) Carbon Tetrachloride	7.64	117	15167	6.786	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	673	0.246	ug/l #	37
59) 2-Hexanone	10.74	43	1377	0.698	ug/l #	60
74) N-amyl acetate	12.06	43	1060	0.302	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	56567	27.340	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	56567	67.435	ug/l #	12
88) 1,4-Dichlorobenzene	13.35	146	723	0.229	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1057	0.597	ug/l	93
94) Hexachlorobutadiene	15.00	225	281	0.308	ug/l #	19
95) Naphthalene	15.13	128	4797	0.929	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1451	0.850	ug/l	90

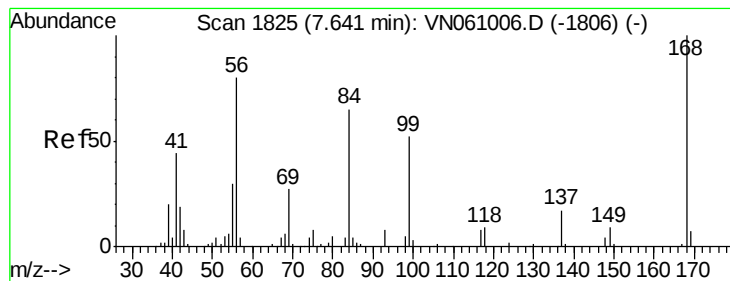
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN061012.D

Acq: 16 Apr 2020 15:22

Instrument :

MSVOA_N

ClientSampled :

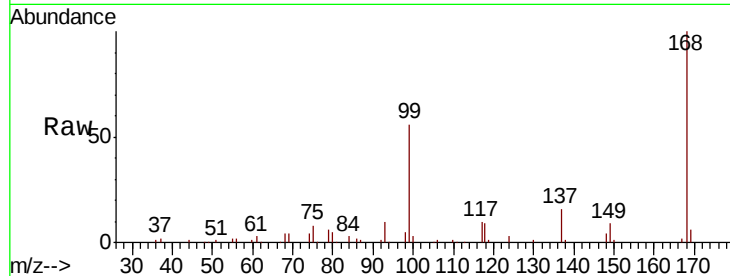
VN0416WBL01

Tot Ion:168 Resp: 153677

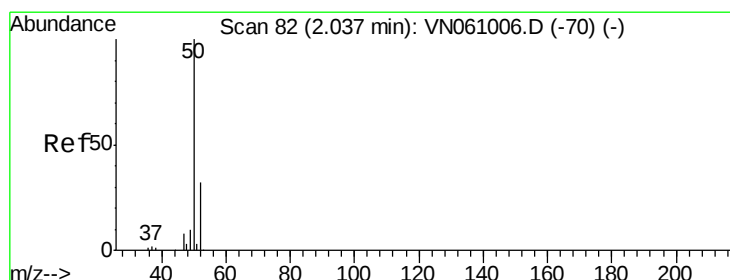
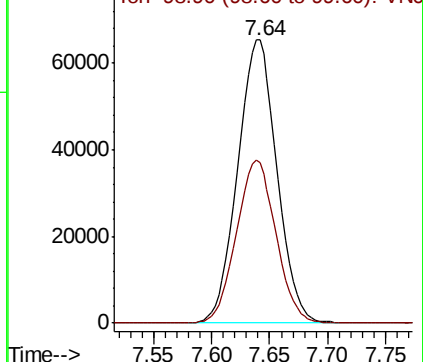
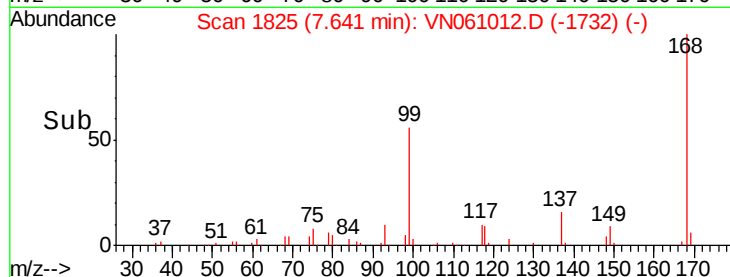
Ion Ratio Lower Upper

168 100

99 56.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061012.D (-1732) (-)



#3

Chloromethane

Concen: 0.252 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN061012.D

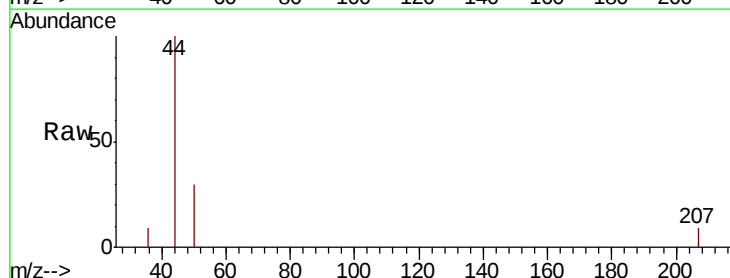
Acq: 16 Apr 2020 15:22

Tgt Ion: 50 Resp: 688

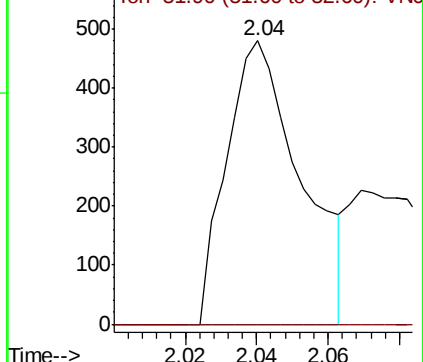
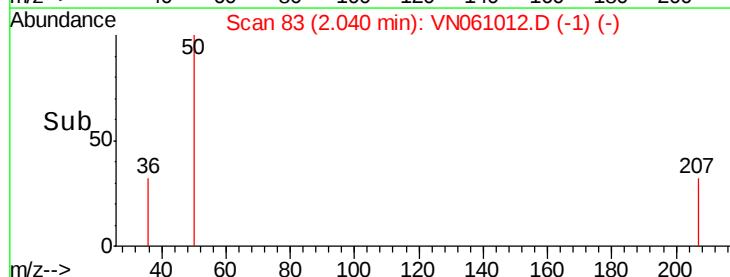
Ion Ratio Lower Upper

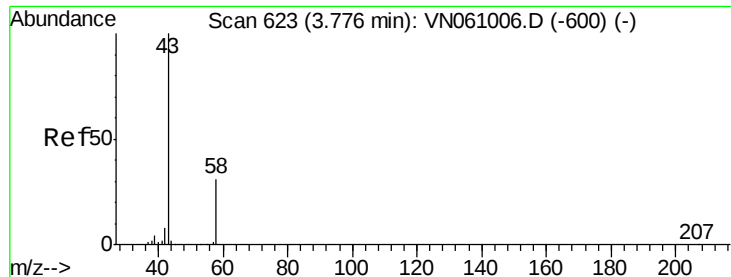
50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN061012.D (-1) (-)





#16

Acetone

Concen: 0.255 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061012.D

Acq: 16 Apr 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

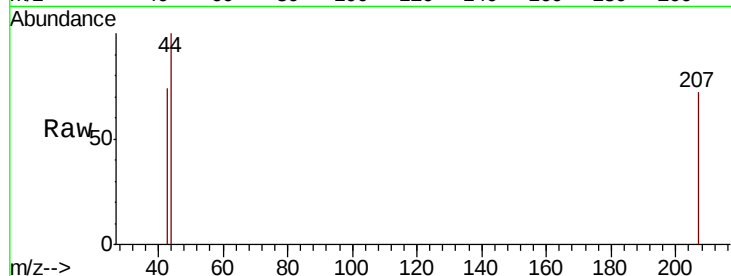
VN0416WBL01

Tot Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

150

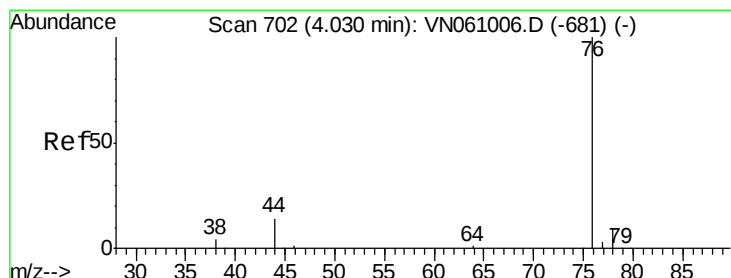
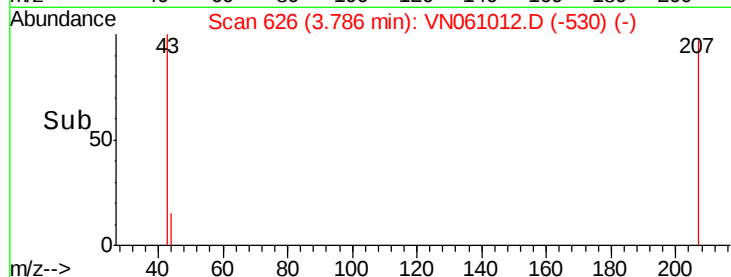
100

50

0

3.78 3.80 3.82

Time-->



#17

Carbon Disulfide

Concen: 0.328 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN061012.D

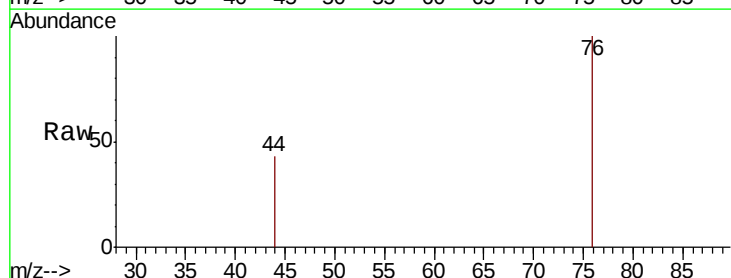
Acq: 16 Apr 2020 15:22

Tgt Ion: 76 Resp: 1727

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

800

600

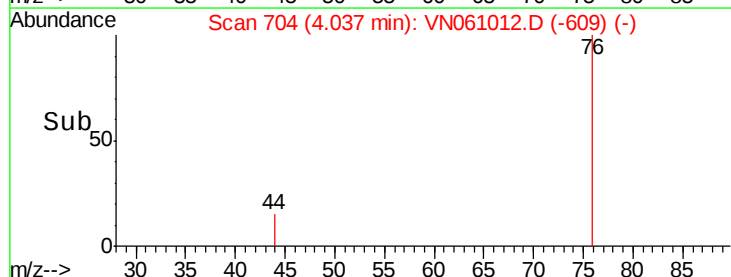
400

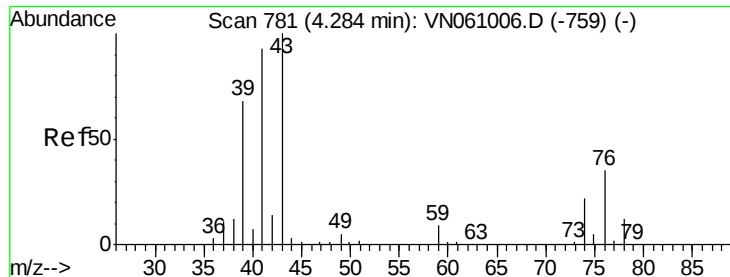
200

0

4.00 4.05

Time-->

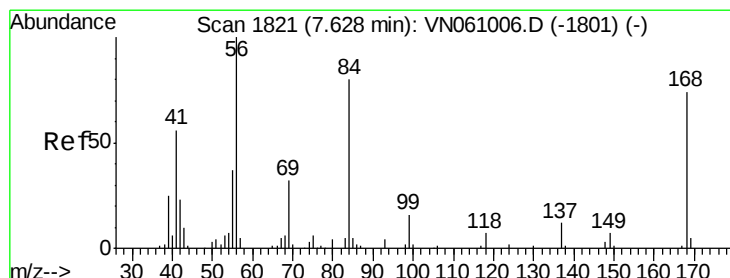
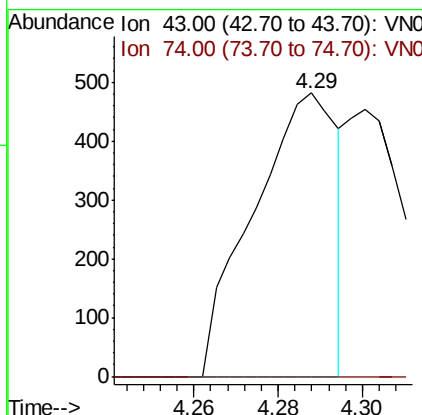
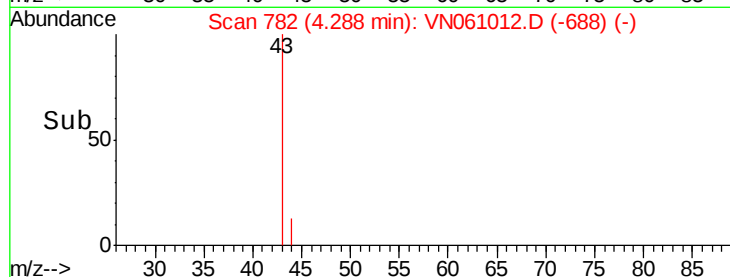
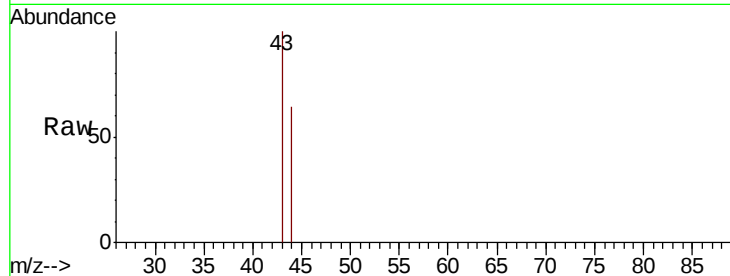




#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

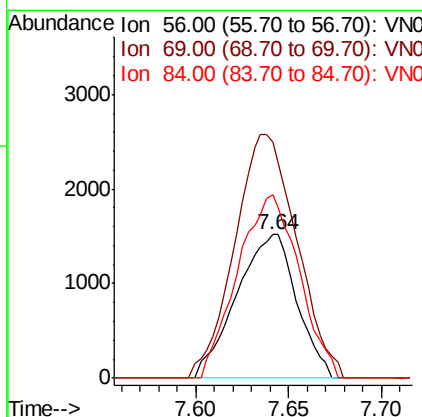
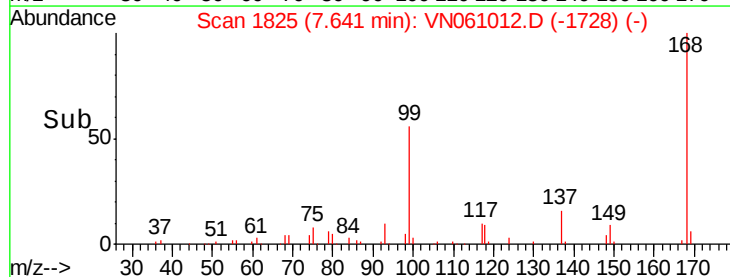
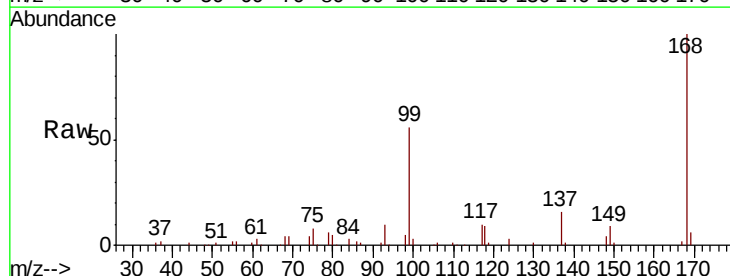
Instrument :
MSVOA_N
ClientSampled :
VN0416WBL01

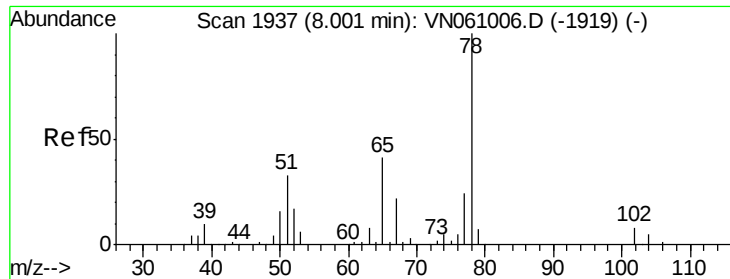
Tot Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#31
Cyclohexane
Concen: 0.935 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Tgt Ion: 56 Resp: 3425
Ion Ratio Lower Upper
56 100
69 164.3 25.6 38.4#
84 128.4 63.4 95.2#

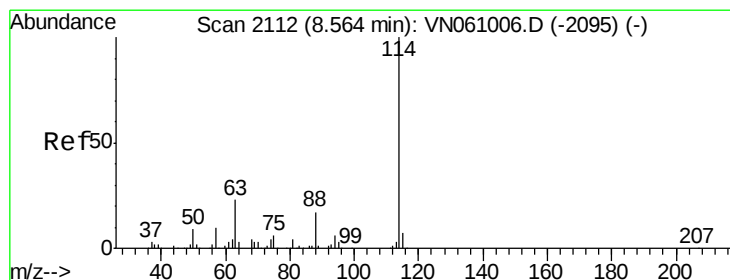
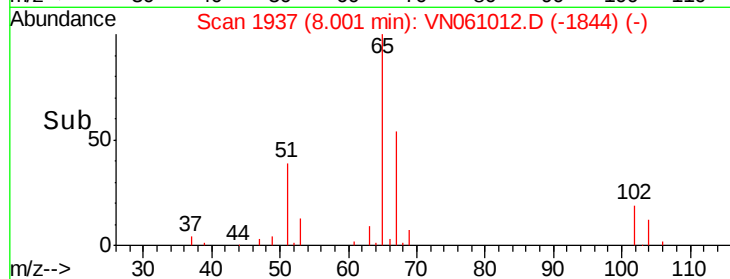
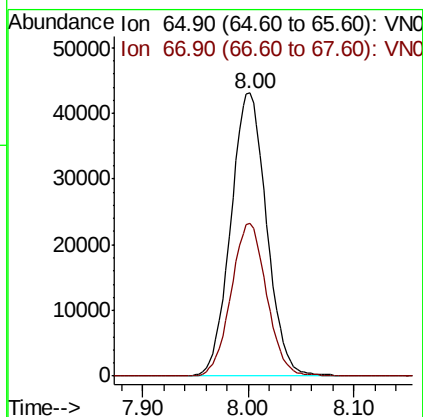
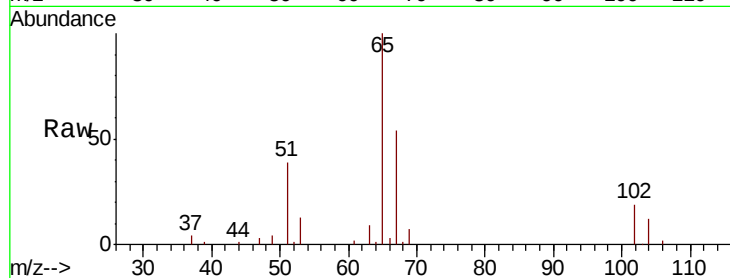




#33
 1,2-Dichloroethane-d4
 Concen: 51.645 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

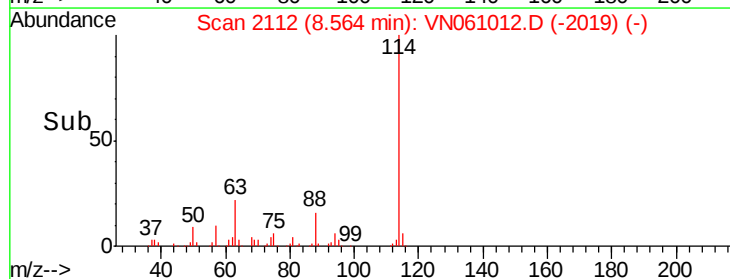
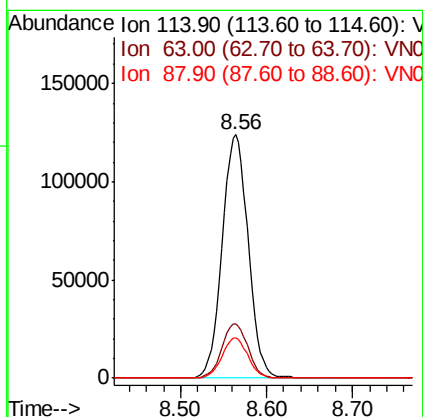
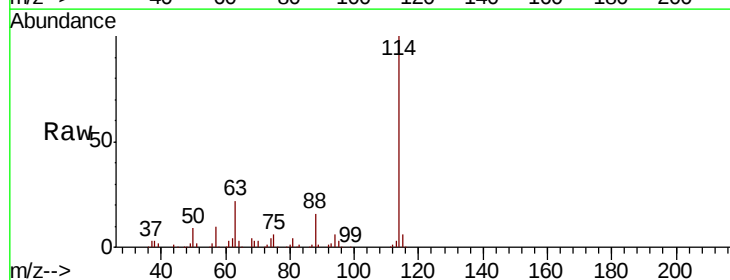
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBL01

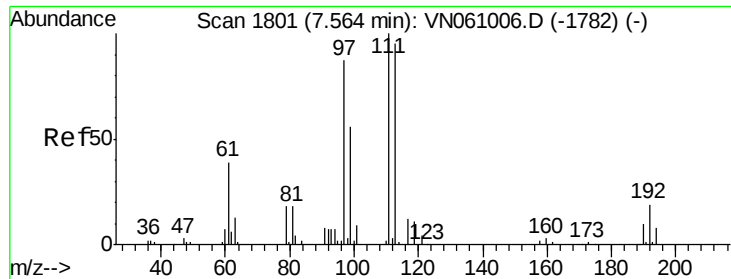
Tot Ion: 65 Resp: 101545
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

Tgt Ion: 114 Resp: 260226
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 46.2
 88 16.5 0.0 33.4

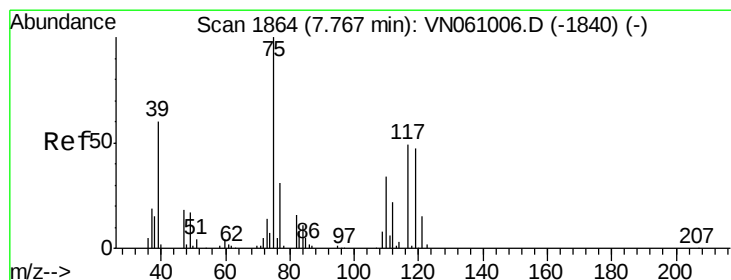
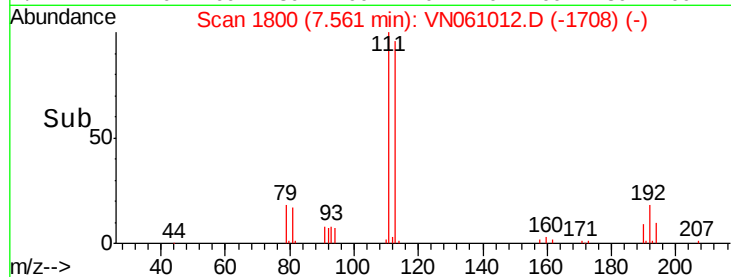
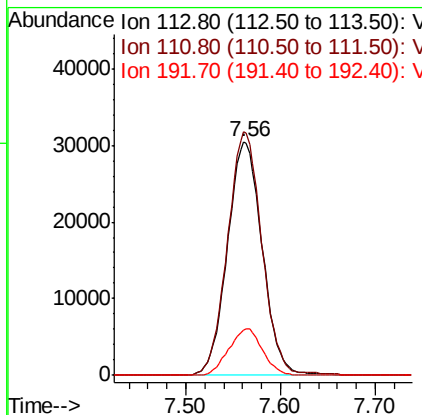
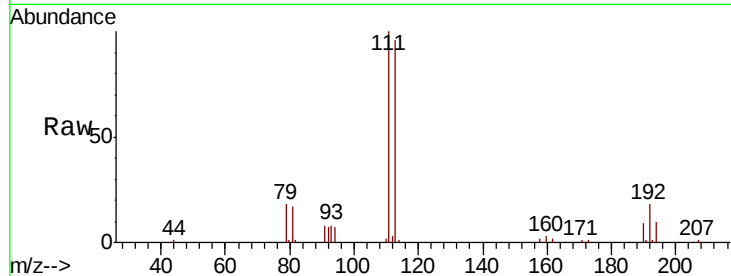




#35
 Dibromofluoromethane
 Concen: 51.214 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

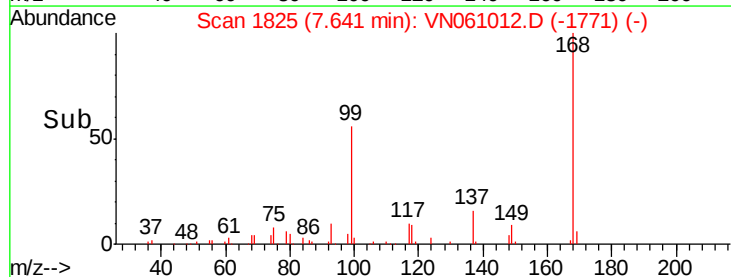
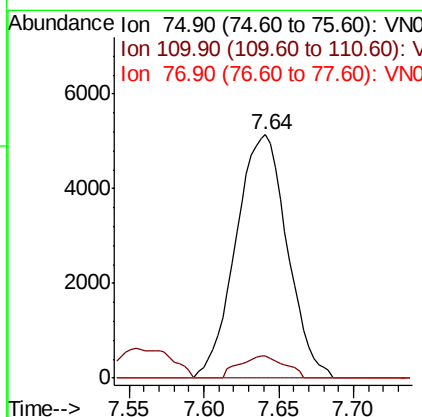
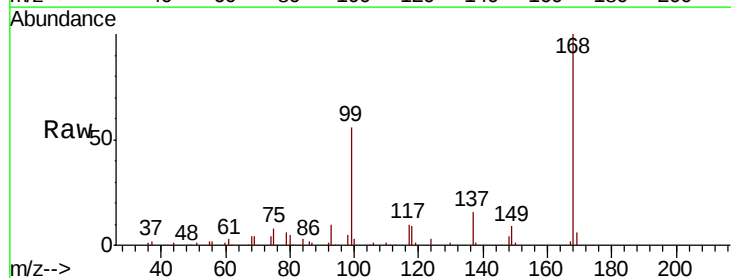
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBL01

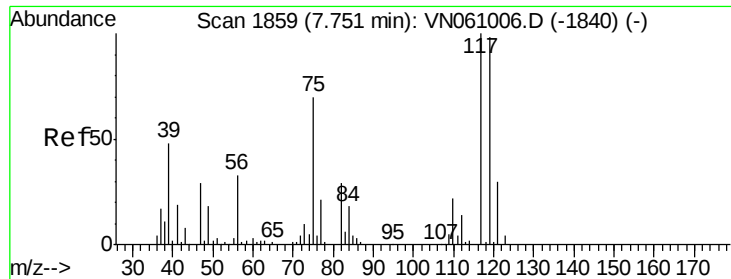
Tot Ion:113 Resp: 77829
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 19.2 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.569 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

Tgt Ion: 75 Resp: 12268
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.8 50.3#
 77 0.0 24.7 37.1#

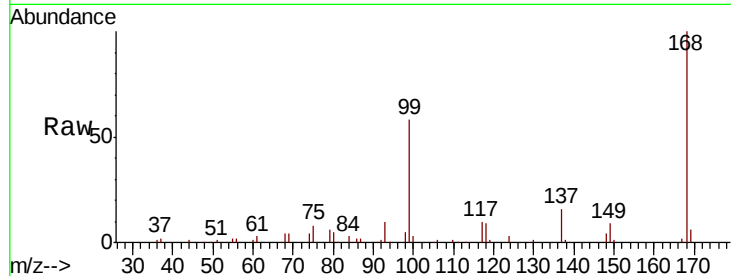




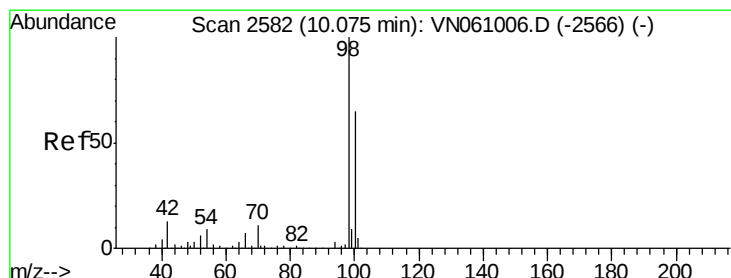
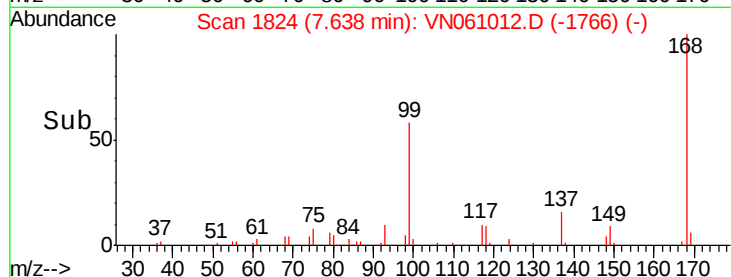
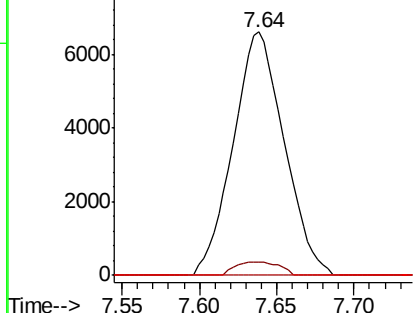
#38
Carbon Tetrachloride
Concen: 6.786 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

Tot Ion:117 Resp: 15167
Ion Ratio Lower Upper
117 100
119 5.7 78.1 117.1#
121 0.0 24.0 36.0#

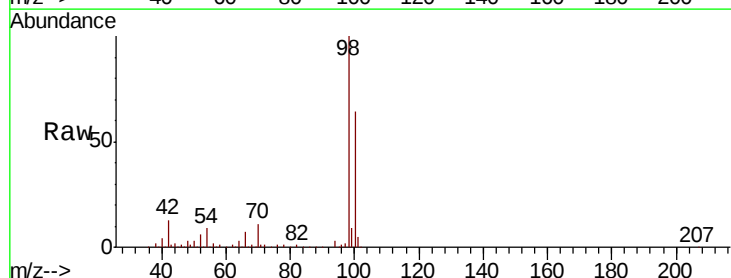


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

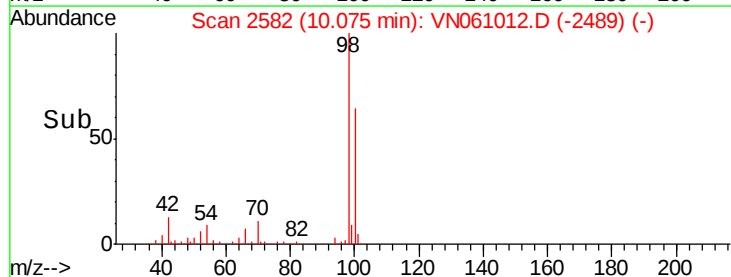
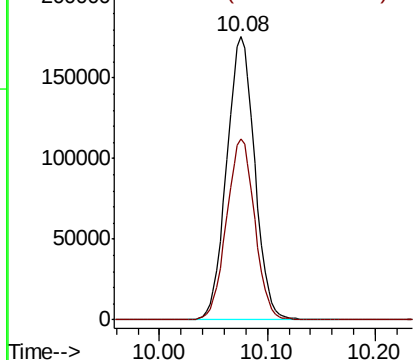


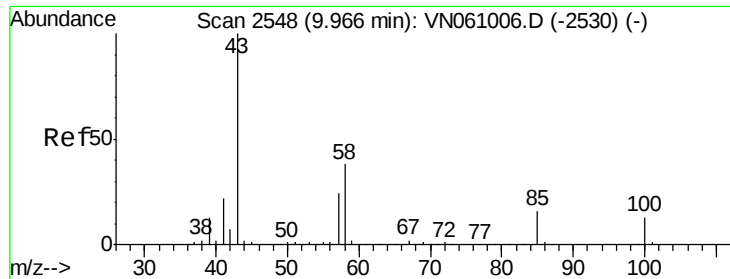
#50
Toluene-d8
Concen: 55.400 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Tgt Ion: 98 Resp: 318138
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



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

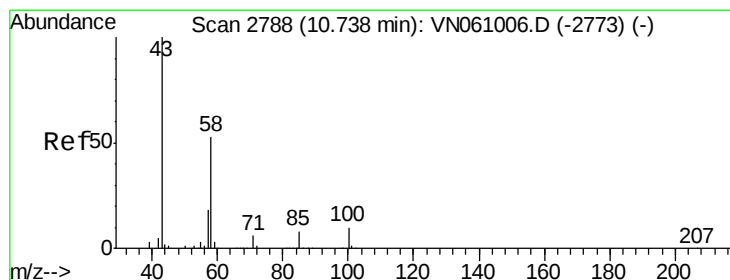
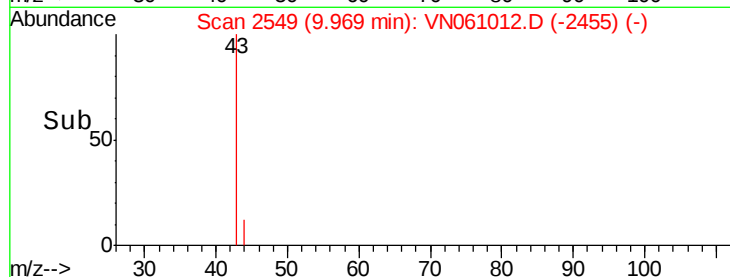
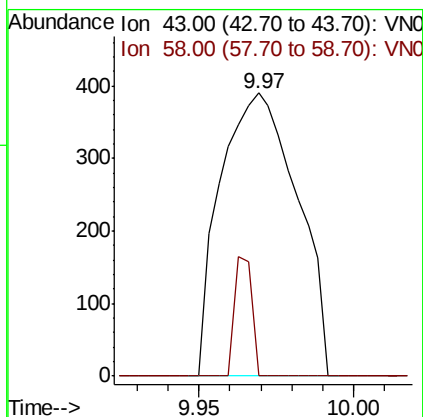
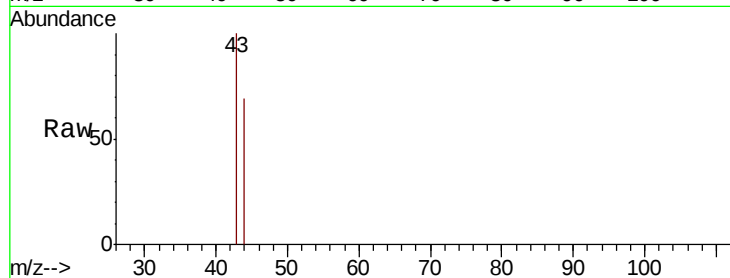




#51
4-Methyl-2-Pentanone
Concen: 0.246 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

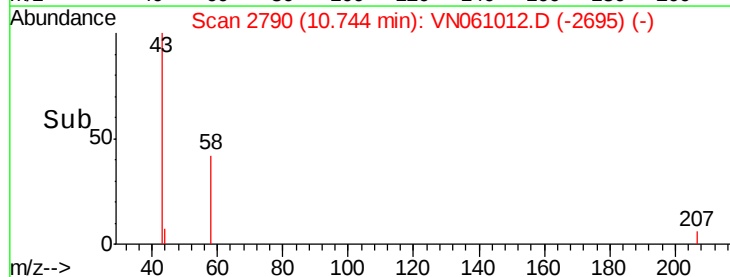
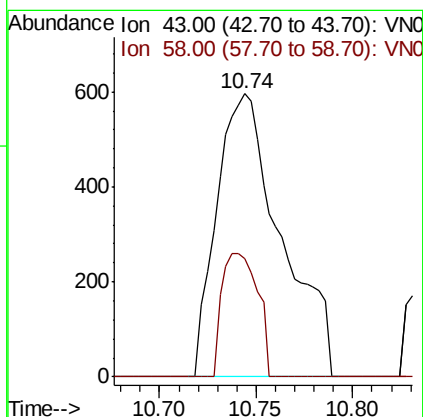
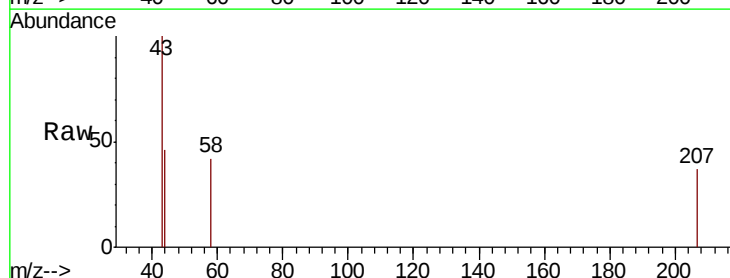
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

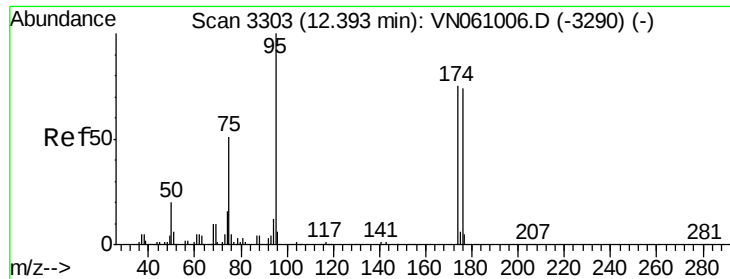
Tot Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 0.0 30.3 45.5#



#59
2-Hexanone
Concen: 0.698 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.01 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
58 24.3 26.4 79.0#

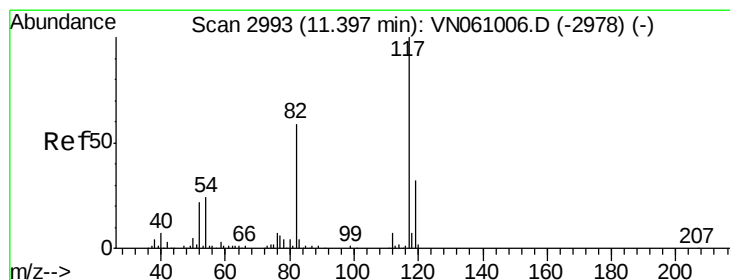
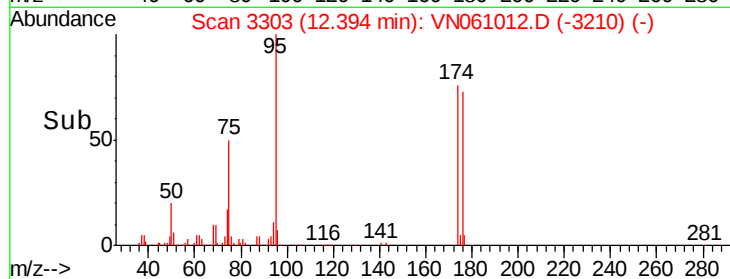
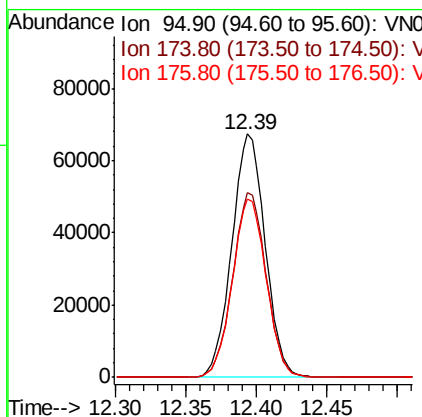
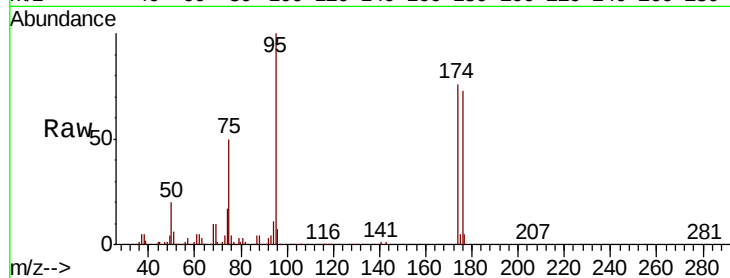




#62
4-Bromofluorobenzene
Concen: 49.609 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

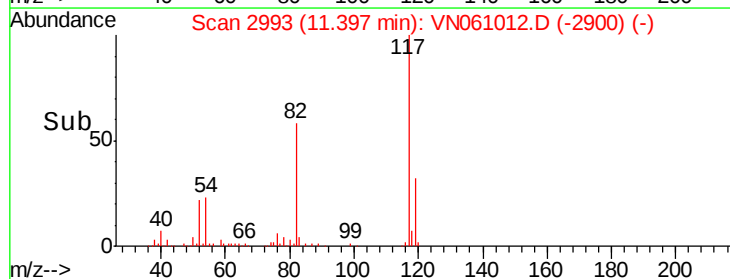
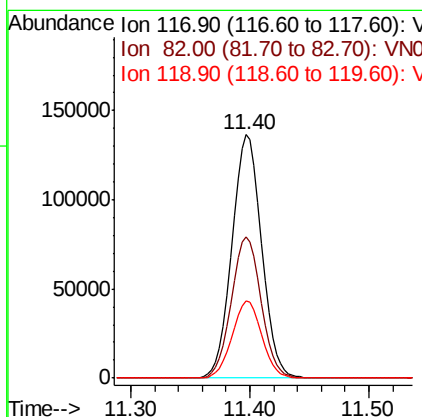
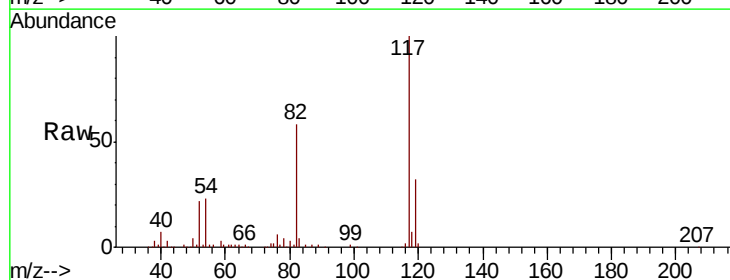
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

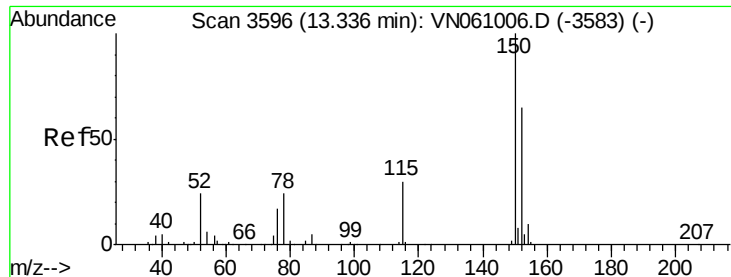
Tot Ion: 95 Resp: 111655
Ion Ratio Lower Upper
95 100
174 76.1 0.0 151.2
176 74.2 0.0 148.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Tgt Ion: 117 Resp: 235686
Ion Ratio Lower Upper
117 100
82 58.2 47.1 70.7
119 31.7 25.7 38.5



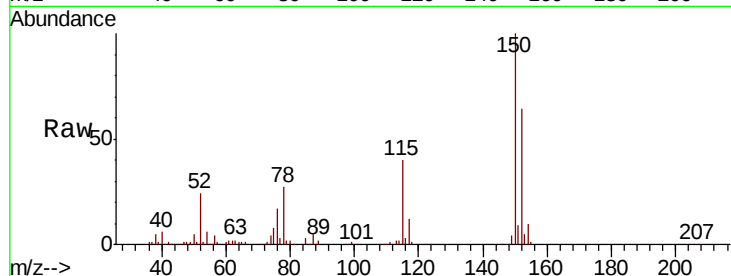


#72

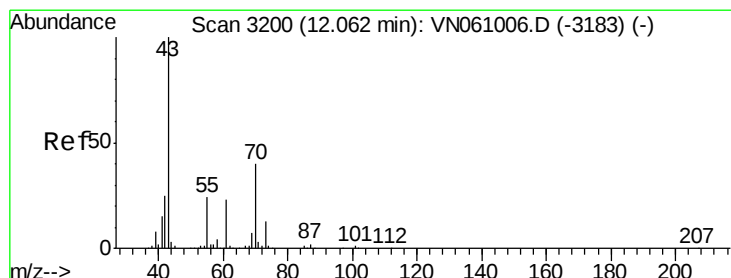
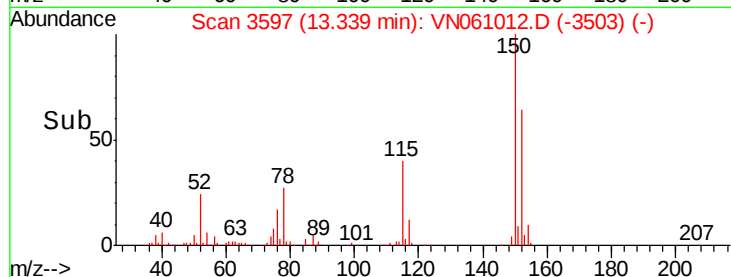
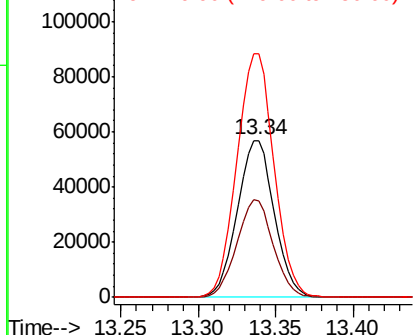
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

Tot Ion:152 Resp: 94065
Ion Ratio Lower Upper
152 100
115 61.4 30.8 92.4
150 156.6 0.0 349.0



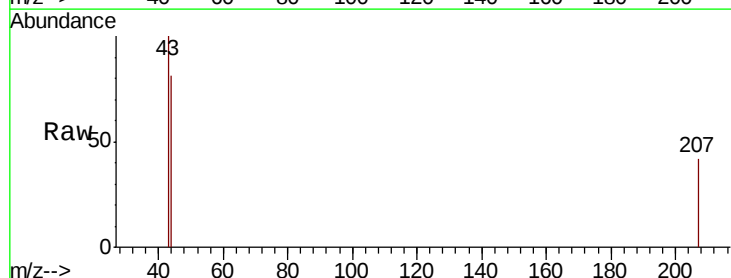
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



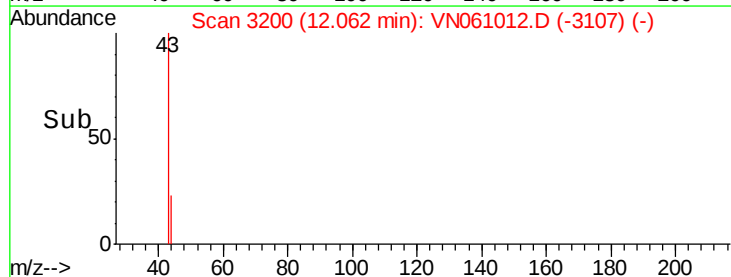
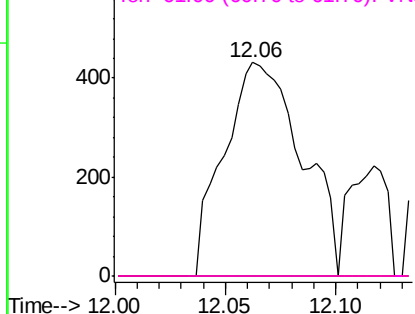
#74

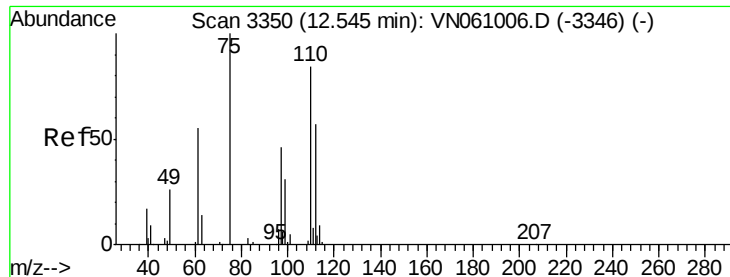
N-ethyl acetate
Concen: 0.302 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN061012.D
Acq: 16 Apr 2020 15:22

Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
70 0.0 31.0 46.6#
55 0.0 18.6 27.8#
61 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 27.340 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061012.D

Acq: 16 Apr 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

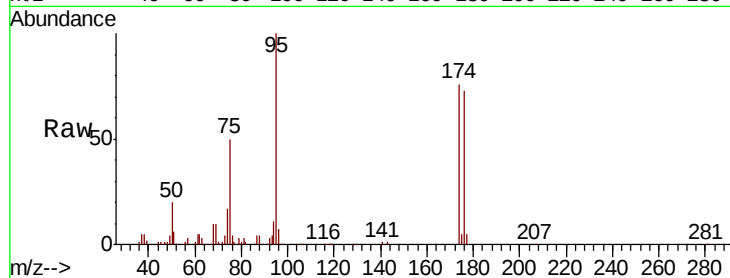
VN0416WBL01

Tot Ion: 75 Resp: 56567

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

12.39

40000

30000

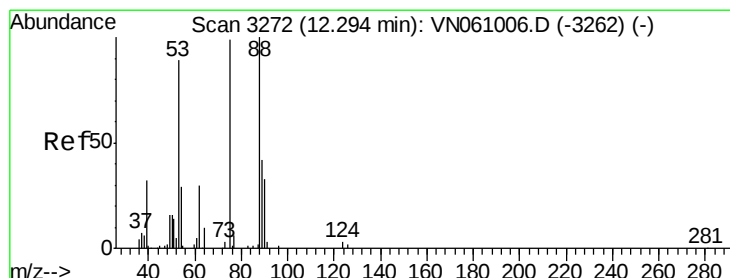
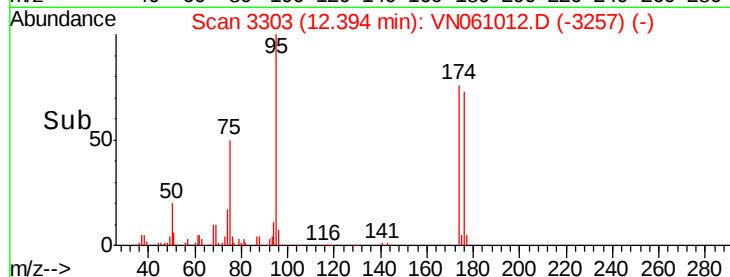
20000

10000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 67.435 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061012.D

Acq: 16 Apr 2020 15:22

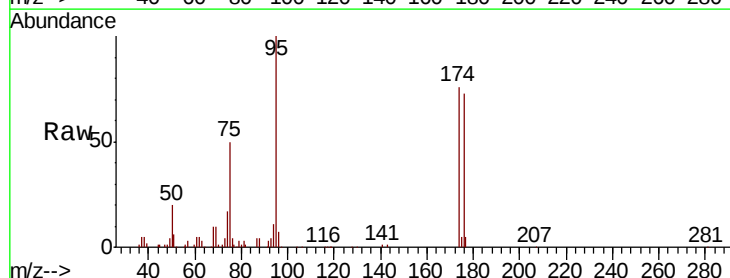
Tgt Ion: 75 Resp: 56567

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



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

12.39

40000

30000

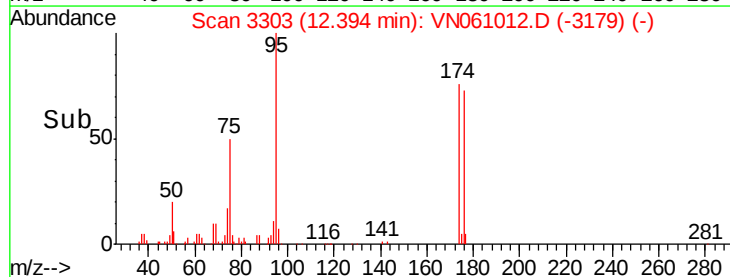
20000

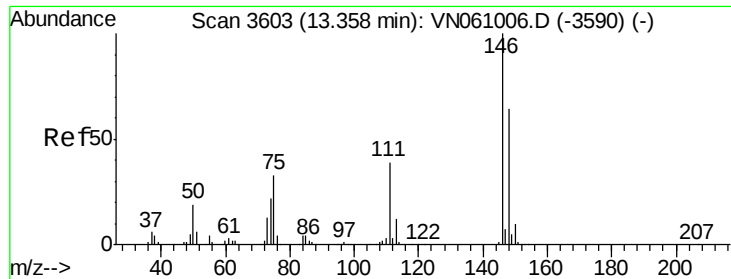
10000

0

Time-->

12.35 12.40 12.45

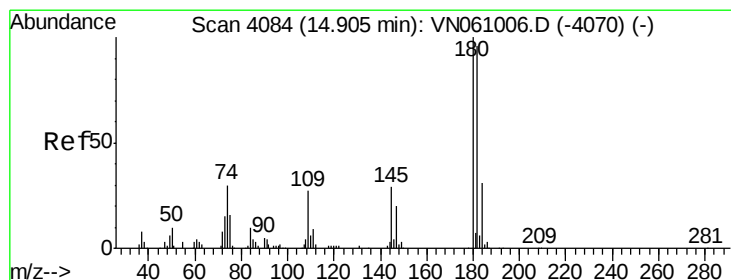
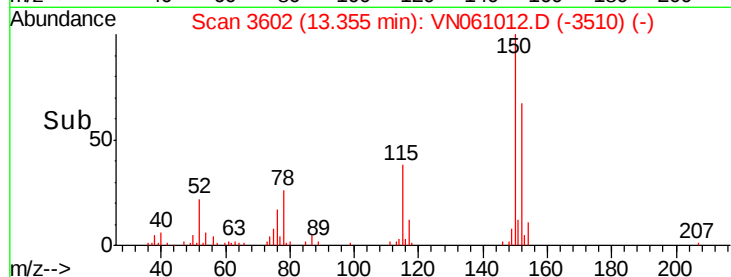
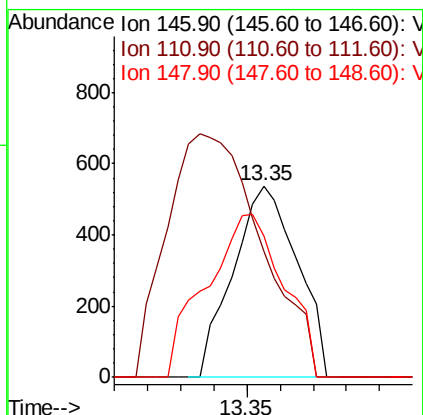
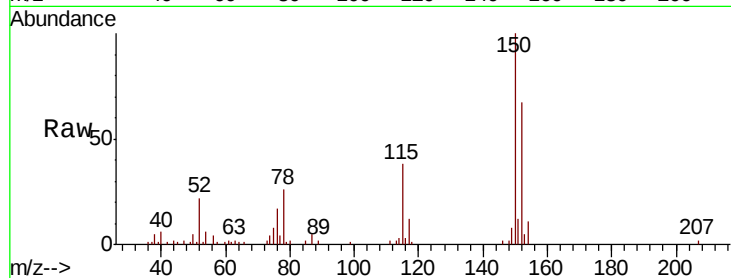




#88
 1,4-Dichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.35 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

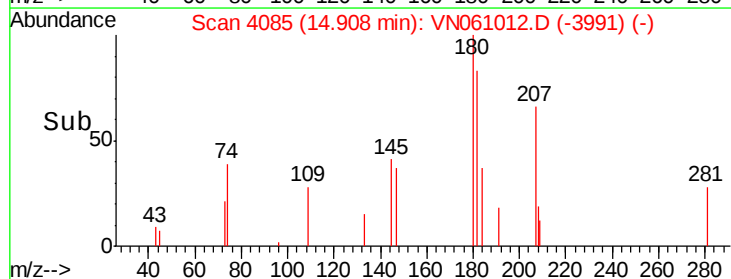
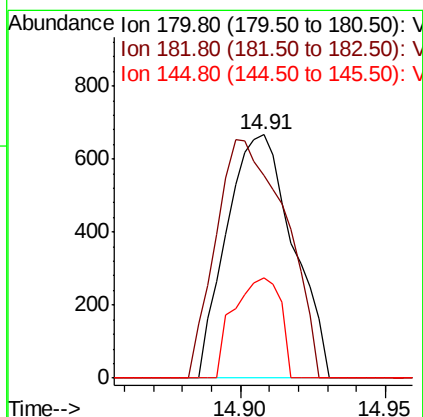
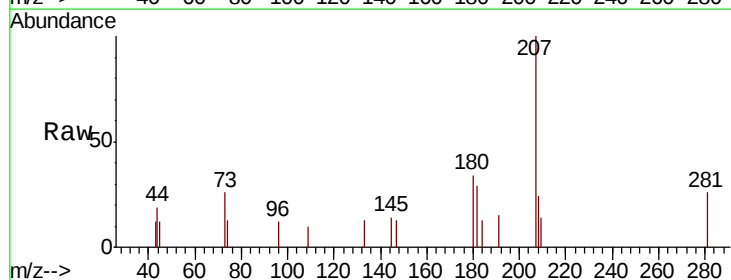
Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBL01

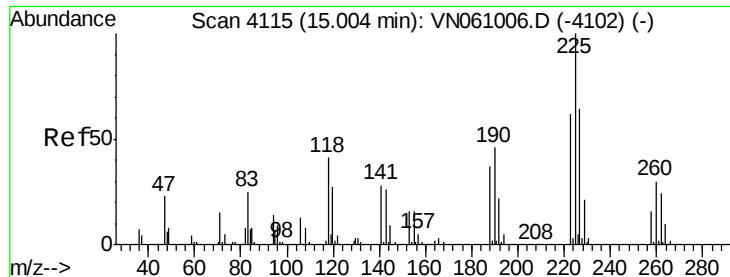
Tot Ion	Ratio	Lower	Upper
146	100		
111	187.4	20.1	60.3#
148	102.9	32.1	96.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.597 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.3	47.8	143.3
145	29.0	15.3	45.8





#94

Hexachlorobutadiene

Concen: 0.308 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN061012.D

Acq: 16 Apr 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBL01

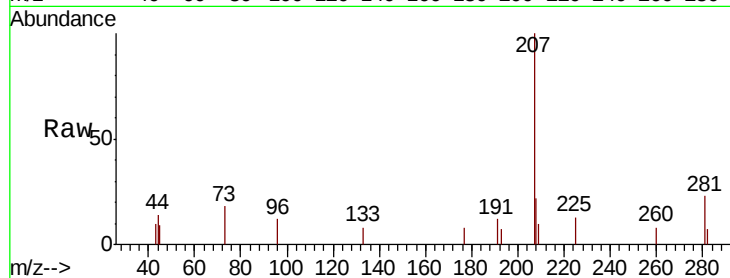
Tot Ion:225 Resp: 281

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

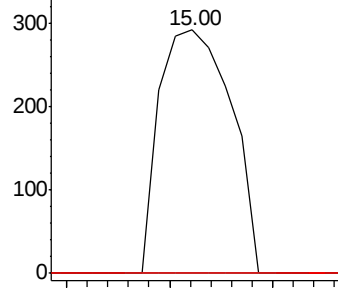
227 0.0 31.9 95.5#



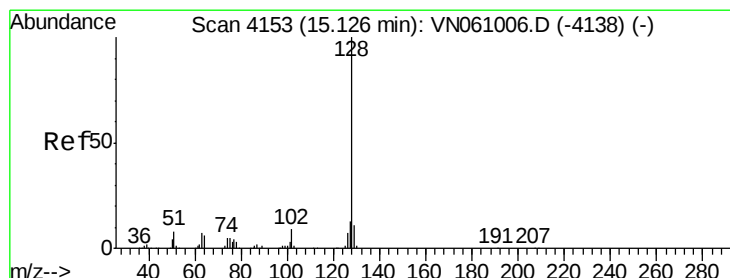
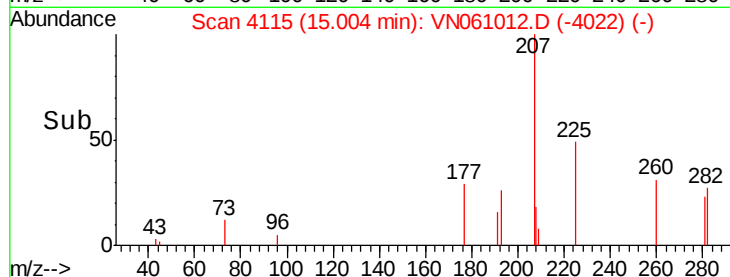
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 0.929 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061012.D

Acq: 16 Apr 2020 15:22

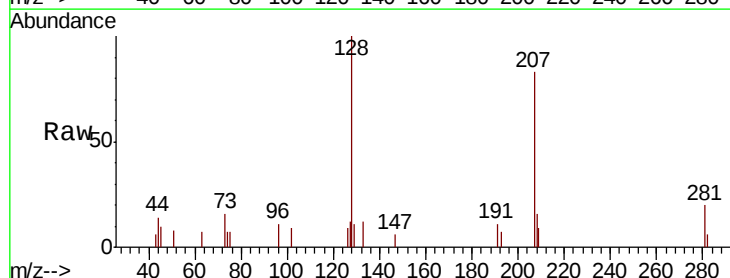
Tgt Ion:128 Resp: 4797

Ion Ratio Lower Upper

128 100

127 10.0 10.2 15.4#

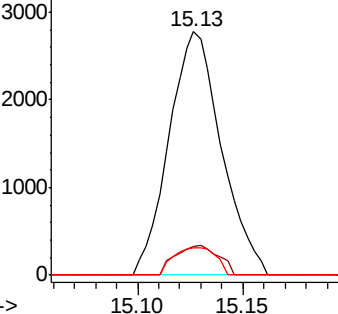
129 9.1 8.6 13.0



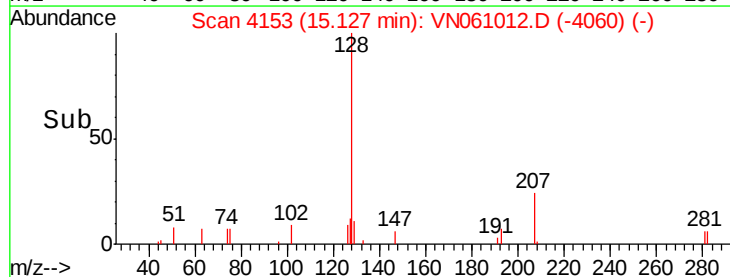
Abundance Ion 128.00 (127.70 to 128.70): V

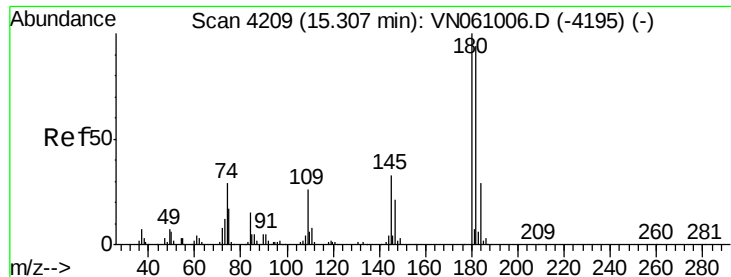
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.850 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: VN061012.D
 Acq: 16 Apr 2020 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.4	47.6	142.8
145	24.6	16.4	49.2

