

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061120\
 Data File : VN061769.D
 Acq On : 12 Jun 2020 5:17
 Operator : JC/MD
 Sample : PB129484TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129484TB

Quant Time: Jun 12 08:44:49 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

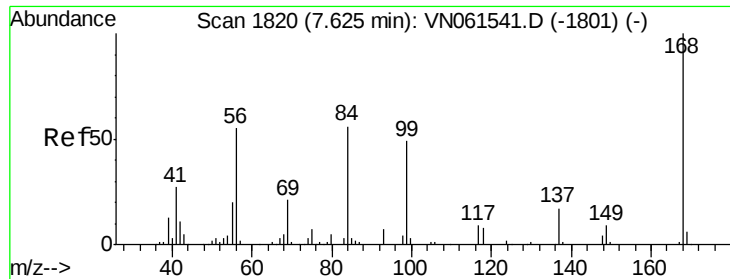
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	269370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	439004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190717	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	147335	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	7.55	113	93601	42.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.06%	
50) Toluene-d8	10.06	98	525083	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.38	95	179283	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4643	Below Cal		90
17) Carbon Disulfide	4.01	76	1838	0.30 ug/l	#	74
20) Methylene Chloride	4.51	84	3915	Below Cal	#	81
25) 2-Butanone	6.79	43	772	0.51 ug/l		94
29) Tetrahydrofuran	7.18	42	623	0.62 ug/l	#	48
31) Cyclohexane	7.62	56	4779	1.06 ug/l	#	6
36) 1,1-Dichloropropene	7.62	75	18348	4.72 ug/l	#	44
38) Carbon Tetrachloride	7.63	117	25603	6.83 ug/l	#	16
49) 1,4-Dioxane	9.15	88	29	0.74 ug/l	#	29
51) 4-Methyl-2-Pentanone	9.95	43	2688	0.85 ug/l	#	77
59) 2-Hexanone	10.72	43	1786	0.78 ug/l		79
76) 1,2,3-Trichloropropane	12.38	75	87966	25.37 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.38	75	87966	64.87 ug/l	#	15
87) 1,3-Dichlorobenzene	13.26	146	1784	0.28 ug/l		92
88) 1,4-Dichlorobenzene	13.26	146	1784	0.28 ug/l		92
89) n-Butylbenzene	13.59	91	2619	0.26 ug/l		86
91) 1,2-Dichlorobenzene	13.63	146	1756	0.29 ug/l		96
93) 1,2,4-Trichlorobenzene	14.88	180	2938	0.84 ug/l		93
94) Hexachlorobutadiene	14.99	225	1028	0.69 ug/l		88
95) Naphthalene	15.11	128	11288	1.05 ug/l		98
96) 1,2,3-Trichlorobenzene	15.29	180	3762	1.09 ug/l		86

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN061120\  
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Acq On    : 12 Jun 2020    5:17  
Operator  : JC/MD  
Sample    : PB129484TB  
Misc      : 5.00mL/MSVOA_N/WATER  
ALS Vial  : 32    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061769.D

Acq: 12 Jun 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

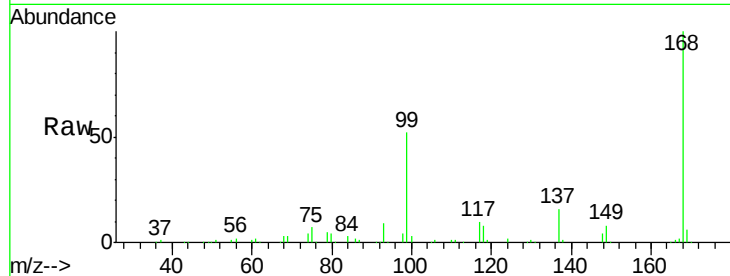
PB129484TB

Tgt Ion:168 Resp: 269370

Ion Ratio Lower Upper

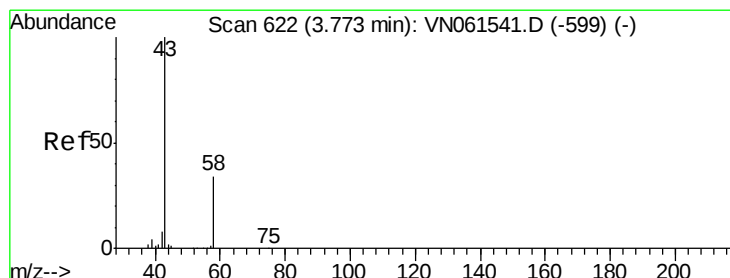
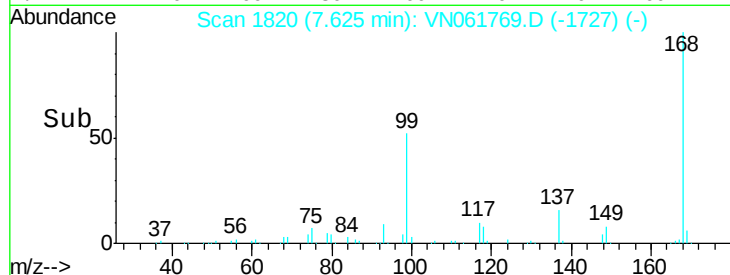
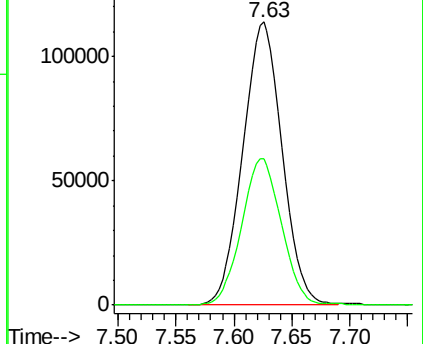
168 100

99 51.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN061769.D

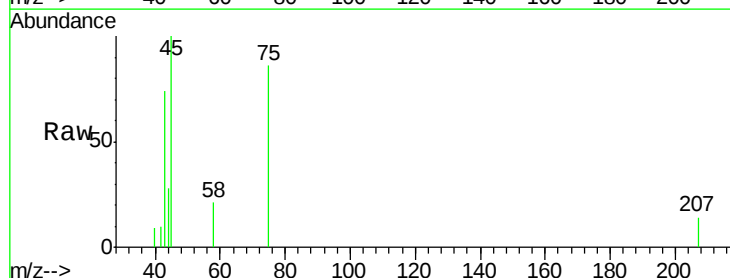
Acq: 12 Jun 2020 5:17

Tgt Ion: 43 Resp: 4643

Ion Ratio Lower Upper

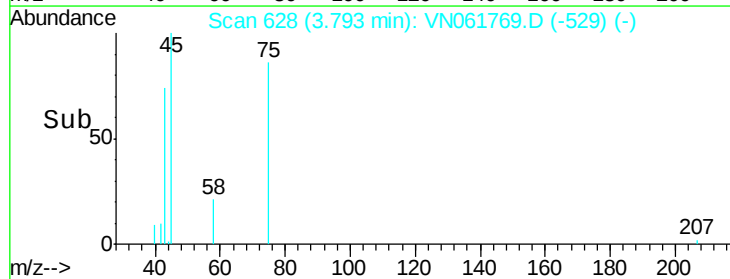
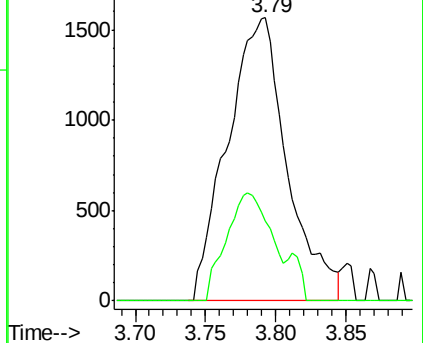
43 100

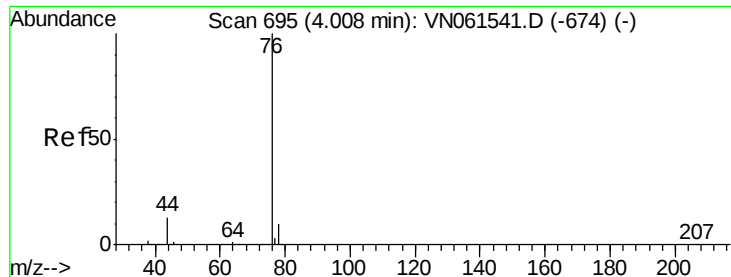
58 28.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

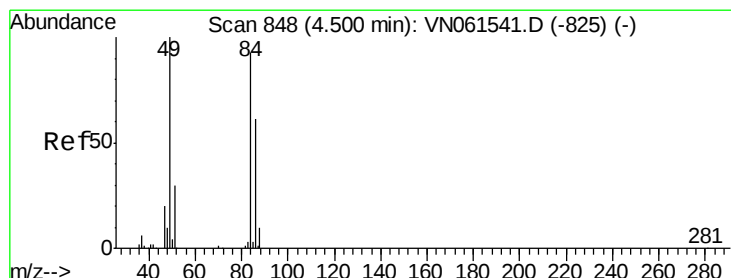
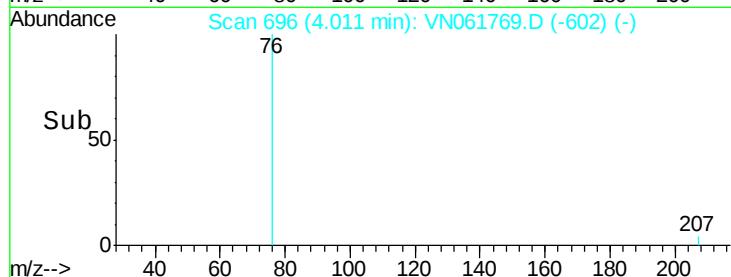
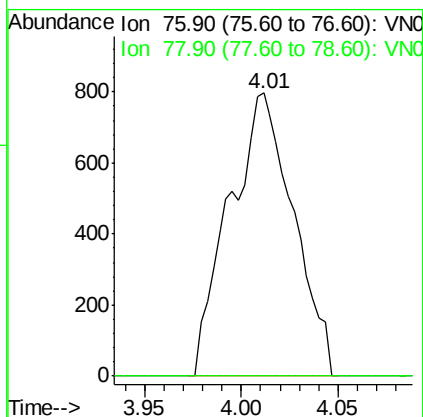
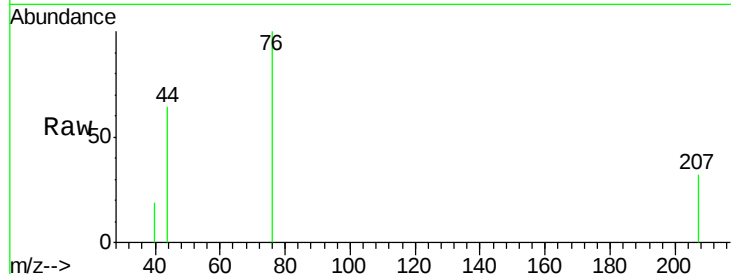




#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

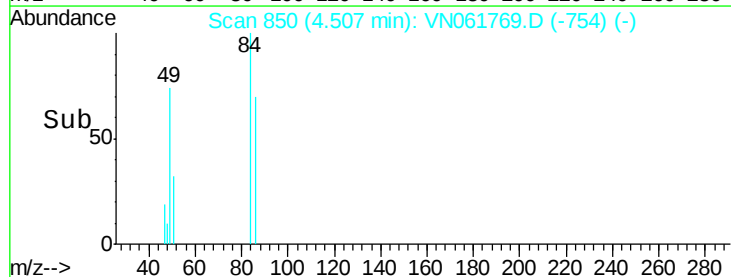
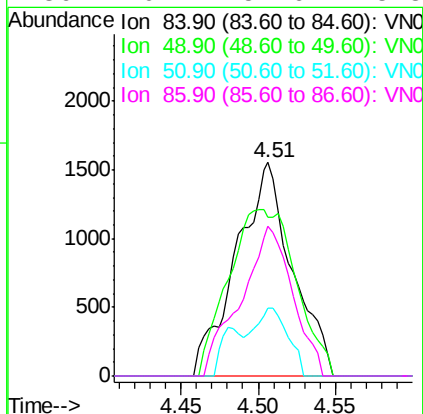
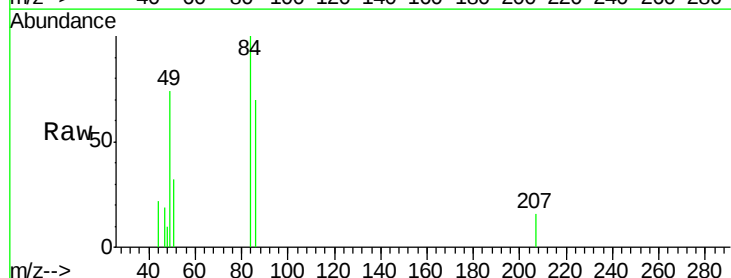
Instrument :
MSVOA_N
ClientSampleId :
PB129484TB

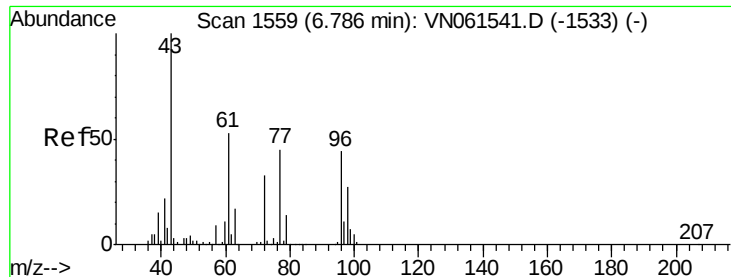
Tgt Ion: 76 Resp: 1838
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

Tgt Ion: 84 Resp: 3915
Ion Ratio Lower Upper
84 100
49 74.3 85.8 128.8#
51 31.6 26.2 39.2
86 70.2 52.6 78.8

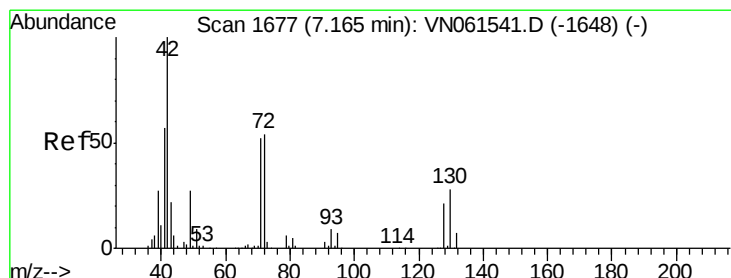
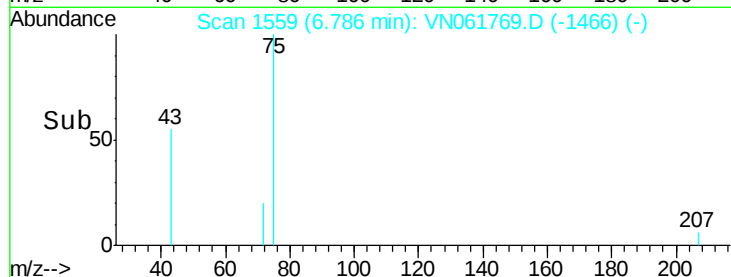
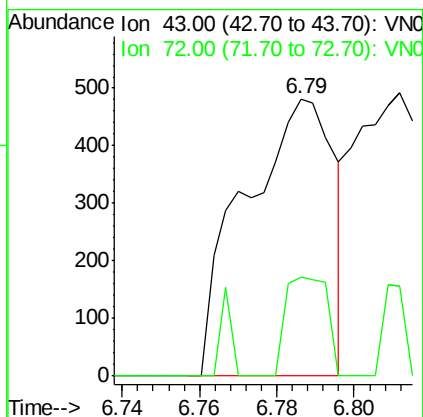
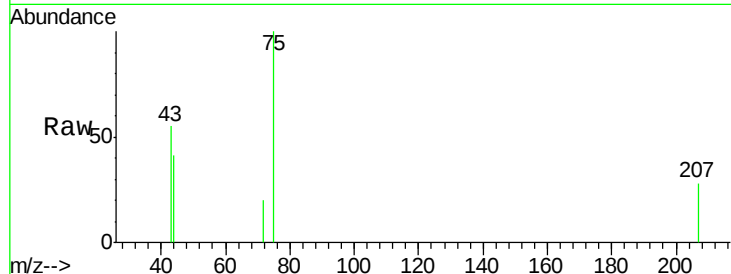




#25
2-Butanone
Concen: 0.51 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

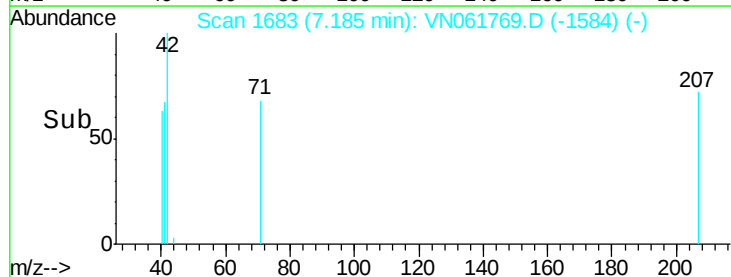
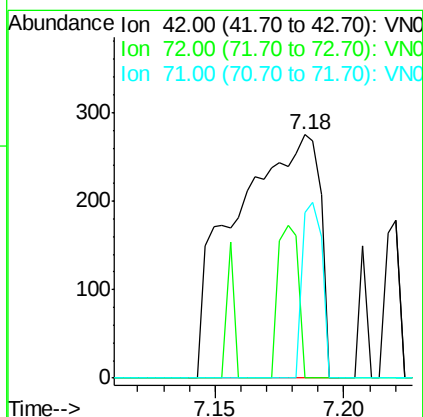
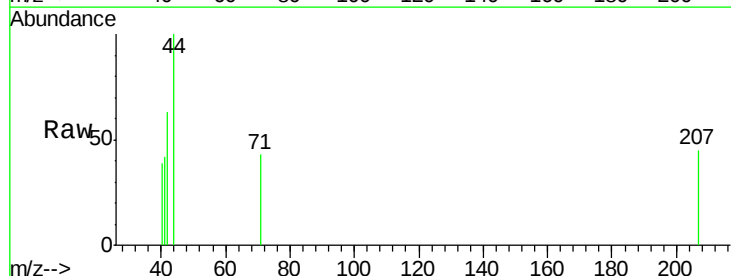
Instrument :
MSVOA_N
ClientSampled :
PB129484TB

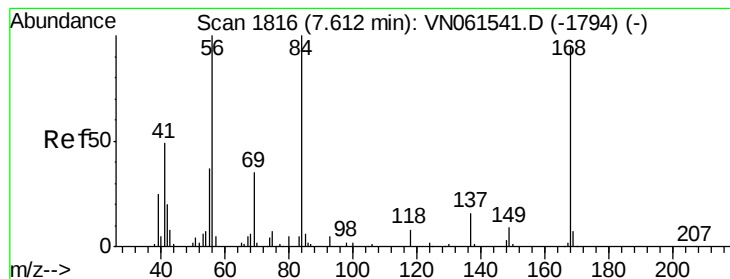
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
72 35.9 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.62 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.02 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

Tgt Ion: 42 Resp: 623
Ion Ratio Lower Upper
42 100
72 15.1 43.6 65.4#
71 16.9 41.2 61.8#





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061769.D

Acq: 12 Jun 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

PB129484TB

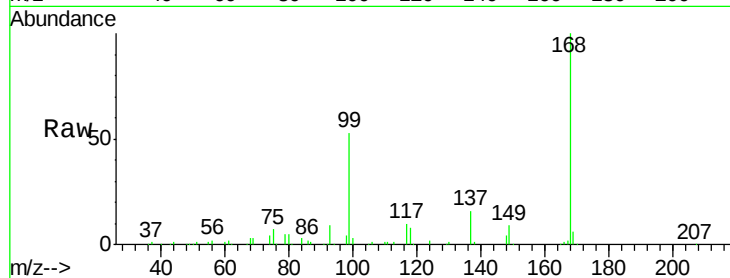
Tgt Ion: 56 Resp: 4779

Ion Ratio Lower Upper

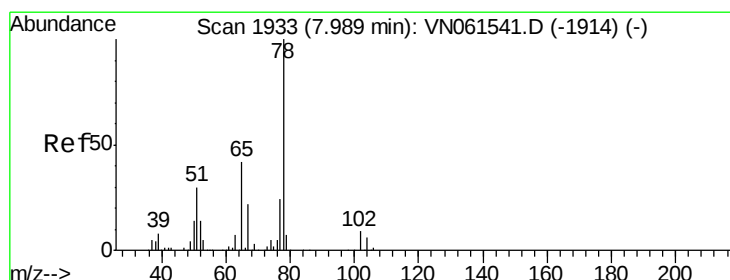
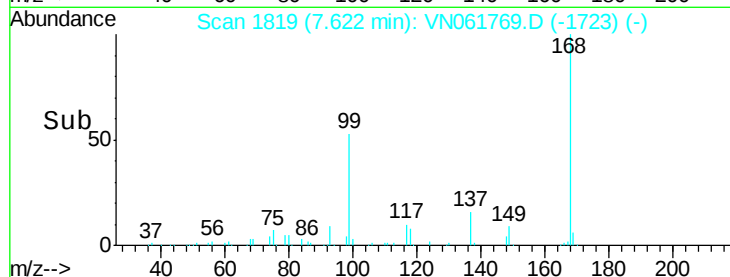
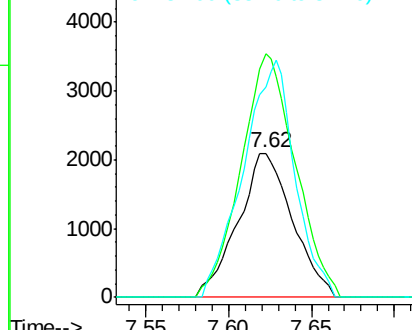
56 100

69 169.3 27.8 41.8#

84 146.1 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 45.91 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061769.D

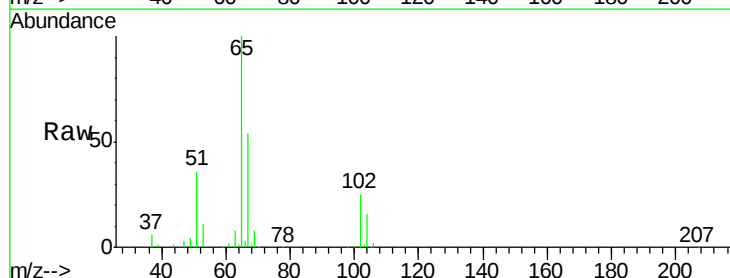
Acq: 12 Jun 2020 5:17

Tgt Ion: 65 Resp: 147335

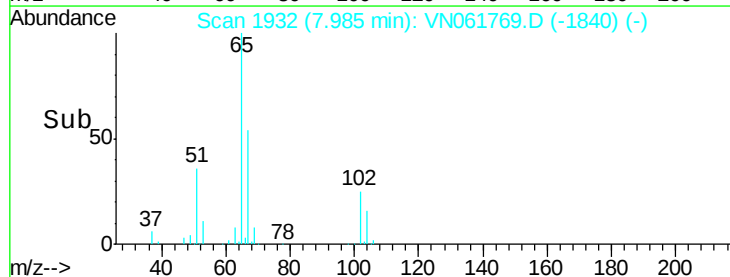
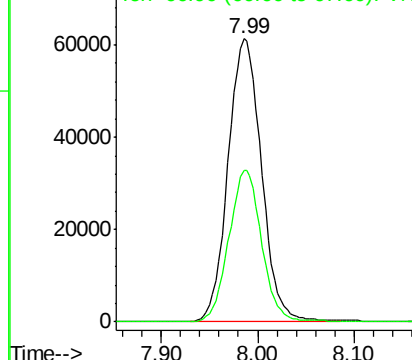
Ion Ratio Lower Upper

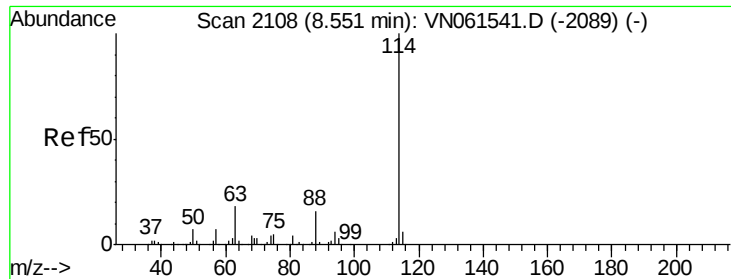
65 100

67 52.6 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

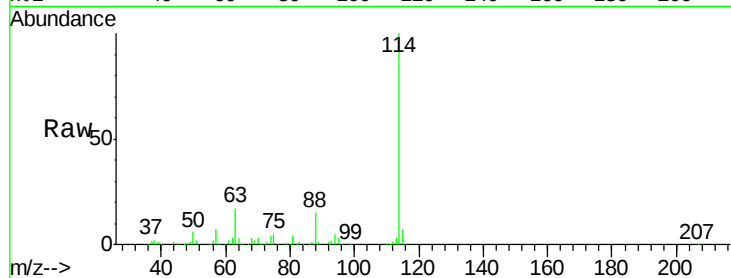




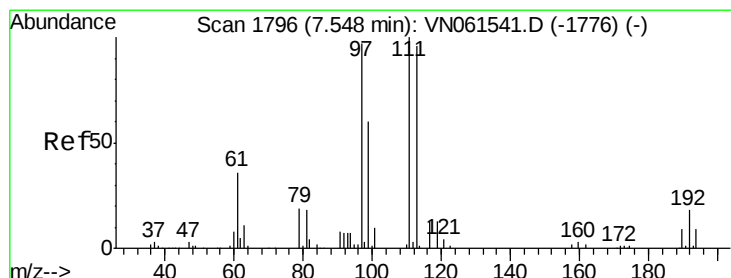
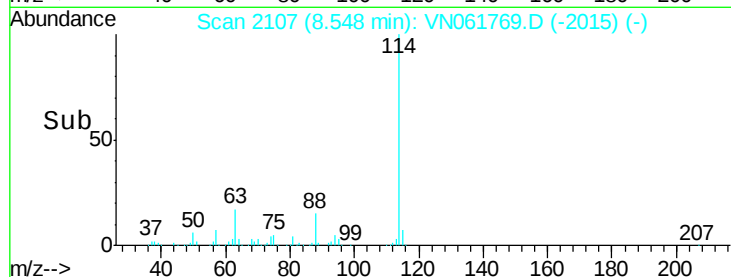
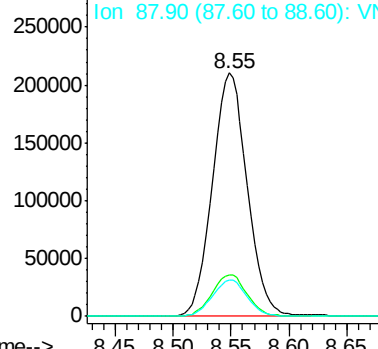
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Instrument :
 MSVOA_N
 ClientSampled :
 PB129484TB

Tgt Ion:114 Resp: 439004
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.8
 88 15.0 0.0 31.0

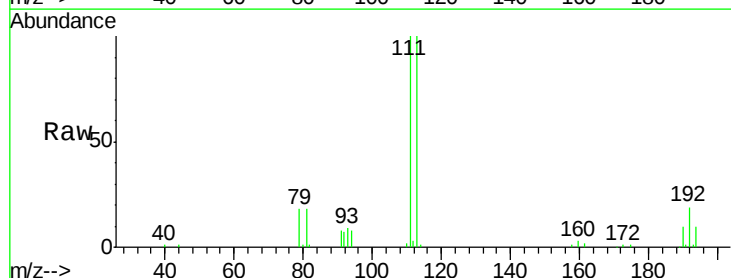


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

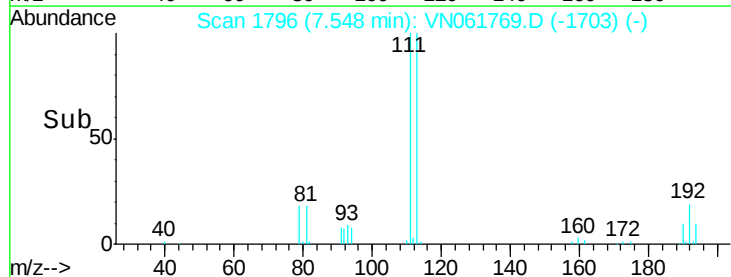
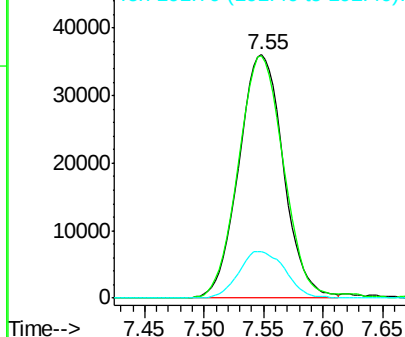


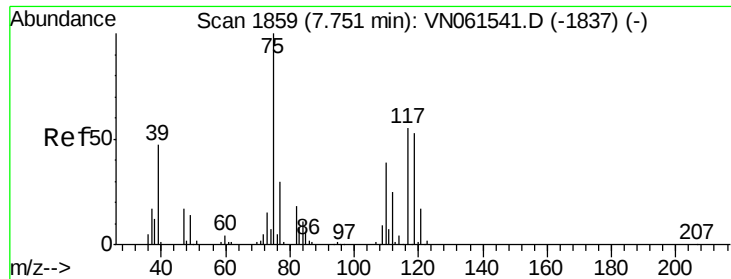
#35
 Dibromofluoromethane
 Concen: 42.03 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Tgt Ion:113 Resp: 93601
 Ion Ratio Lower Upper
 113 100
 111 100.8 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

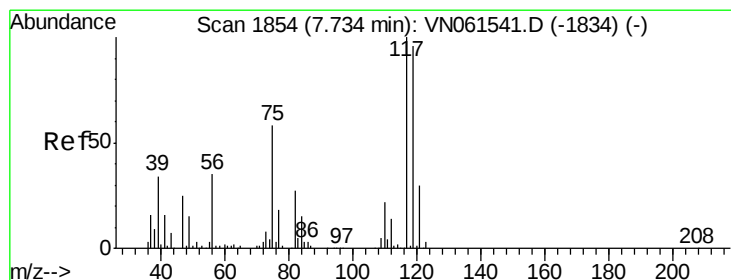
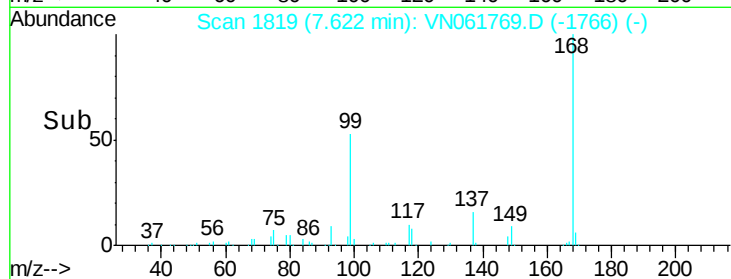
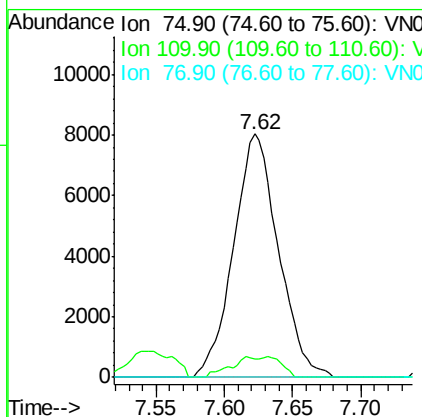
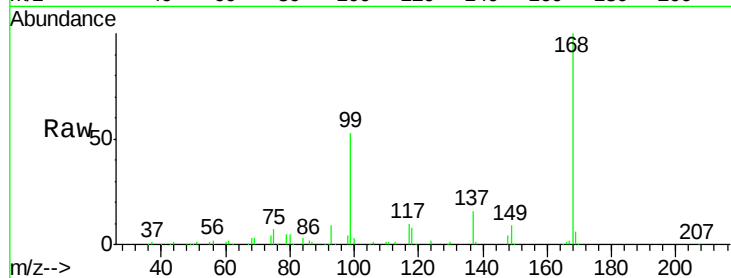




#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

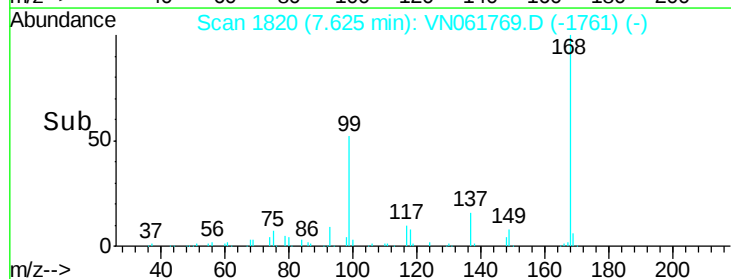
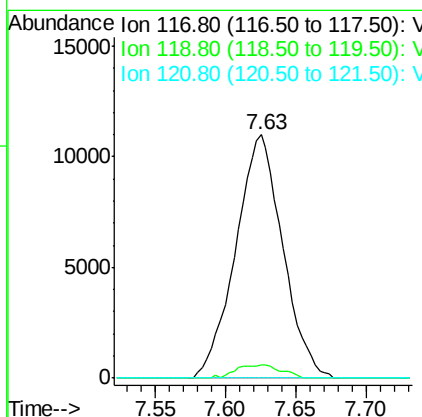
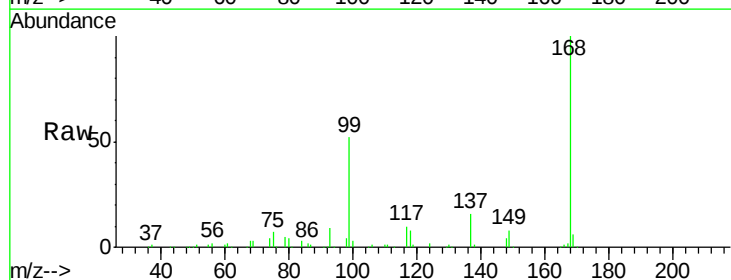
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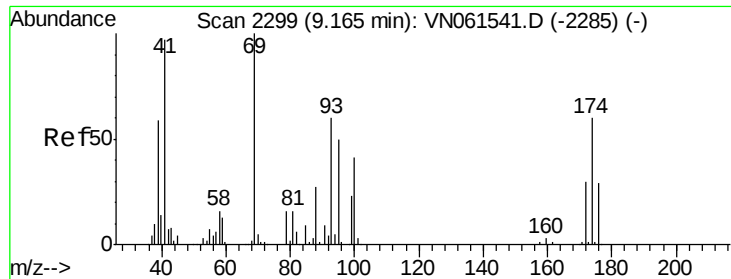
Tgt Ion: 75 Resp: 18348
 Ion Ratio Lower Upper
 75 100
 110 4.7 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.83 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Tgt Ion: 117 Resp: 25603
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.5 114.7#
 121 0.0 24.1 36.1#

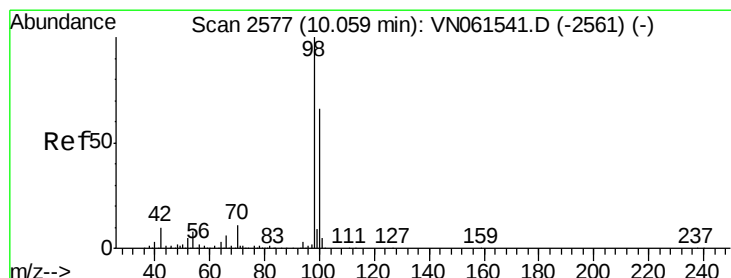
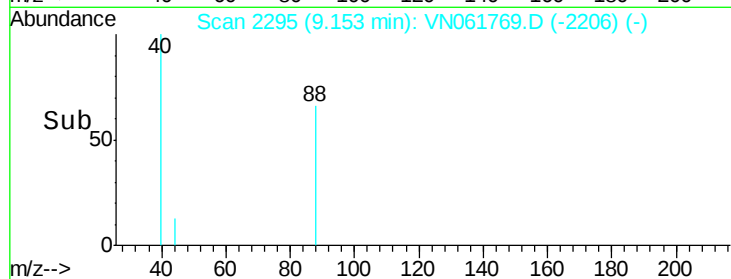
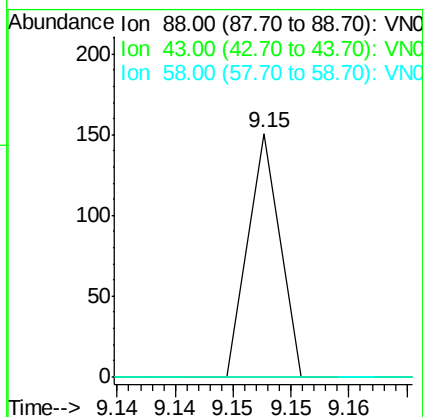
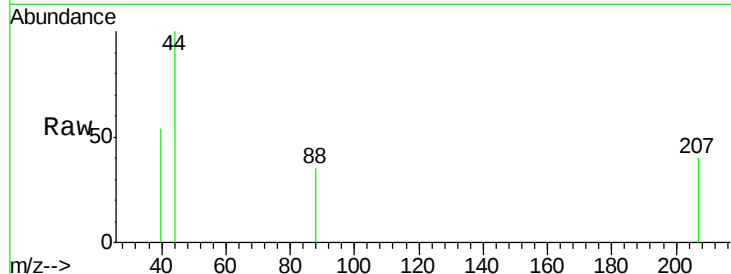




#49
 1,4-Dioxane
 Concen: 0.74 ug/l
 RT: 9.15 min Scan# 2295
 Delta R.T. -0.01 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

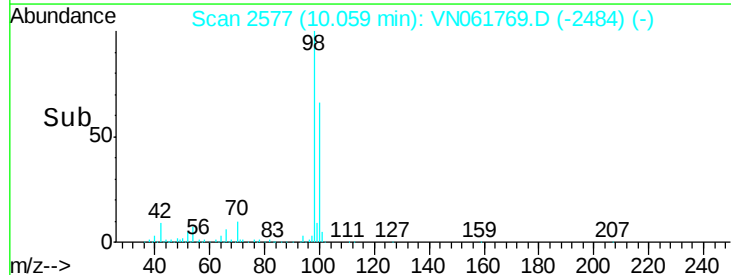
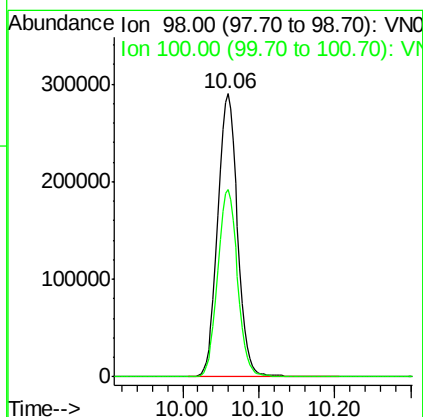
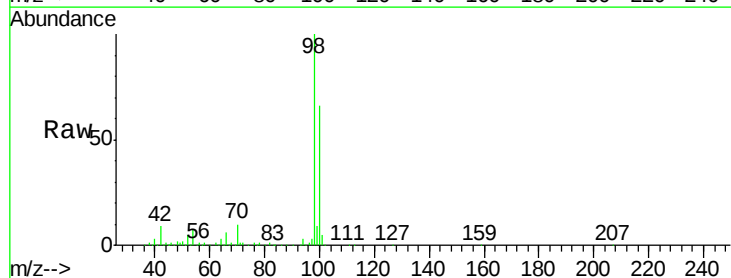
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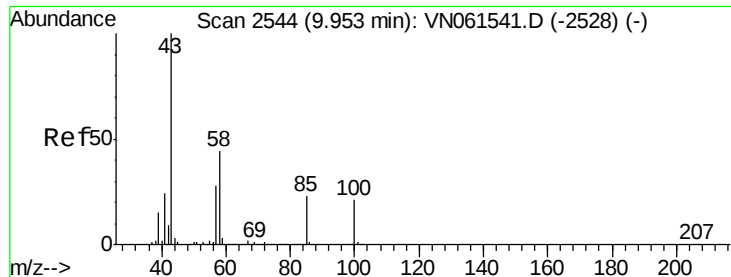
Tgt Ion: 88 Resp: 29
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.1 34.7#
 58 0.0 48.3 72.5#



#50
 Toluene-d8
 Concen: 50.88 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Tgt Ion: 98 Resp: 525083
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.8 79.2

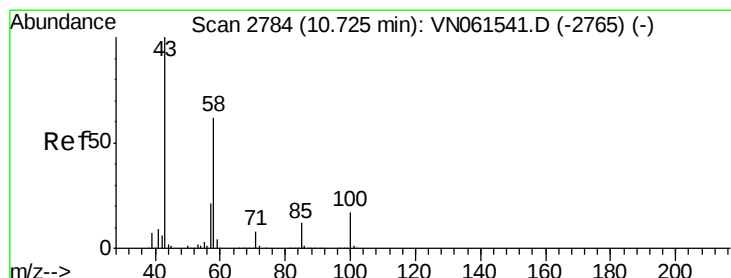
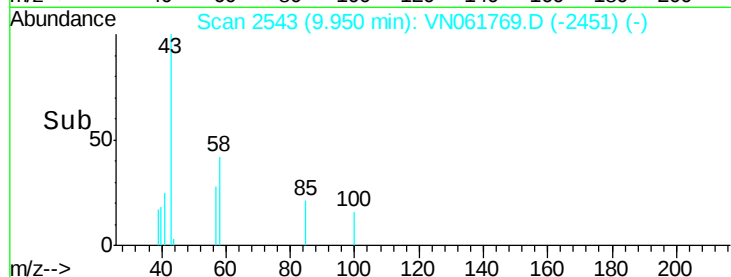
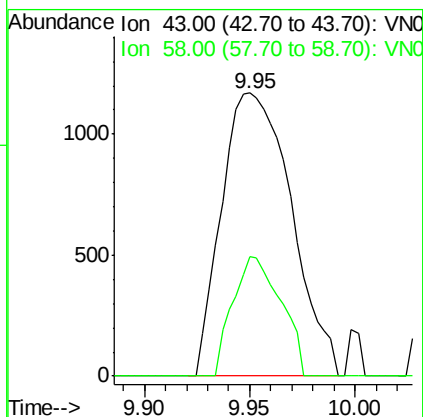
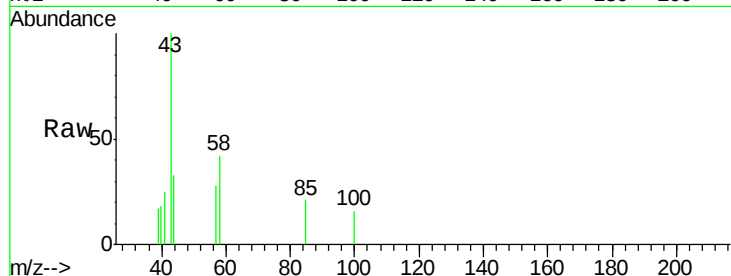




#51
 4-Methyl-2-Pentanone
 Concen: 0.85 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

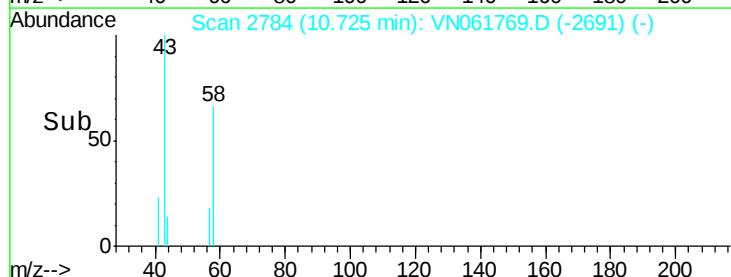
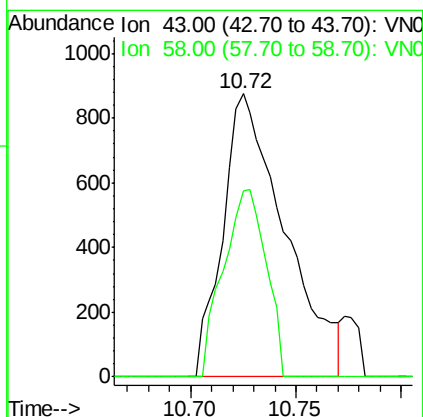
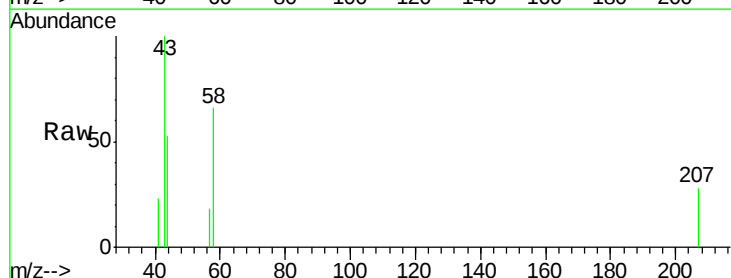
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129484TB

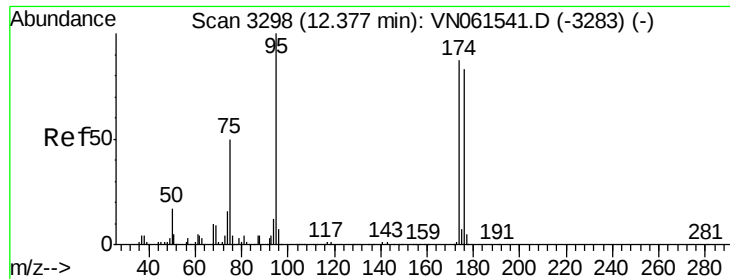
Tgt Ion: 43 Resp: 2688
 Ion Ratio Lower Upper
 43 100
 58 29.2 35.0 52.6#



#59
 2-Hexanone
 Concen: 0.78 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Tgt Ion: 43 Resp: 1786
 Ion Ratio Lower Upper
 43 100
 58 45.5 30.7 92.1

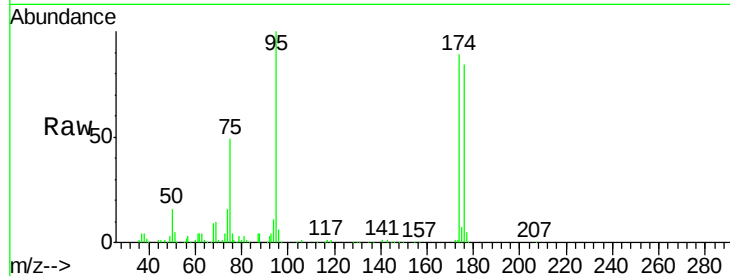




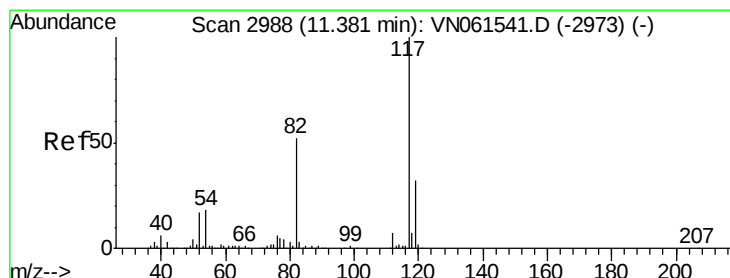
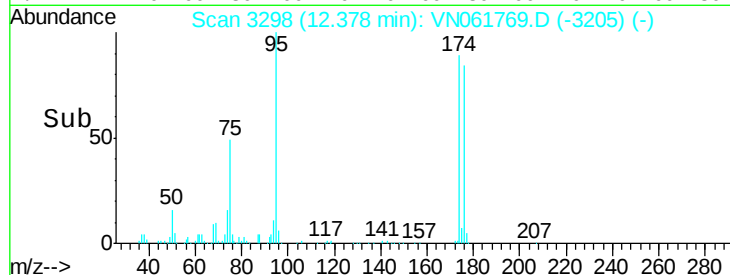
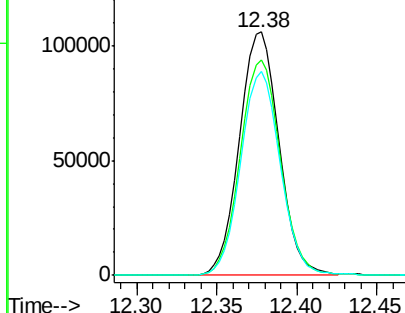
#62
4-Bromofluorobenzene
Concen: 47.62 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

Instrument :
MSVOA_N
ClientSampled :
PB129484TB

Tgt Ion: 95 Resp: 179283
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.8
176 84.0 0.0 164.8

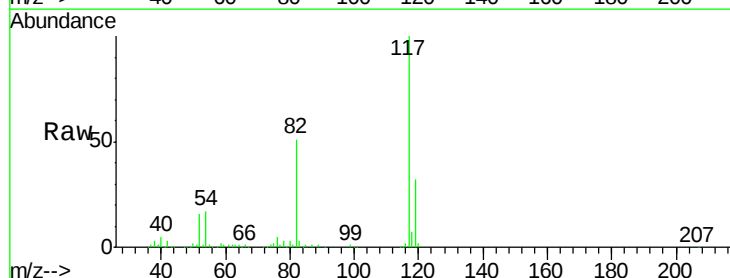


Abundance Ion 94.90 (94.60 to 95.60): VN061769.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN061769.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN061769.D (-3205) (-)

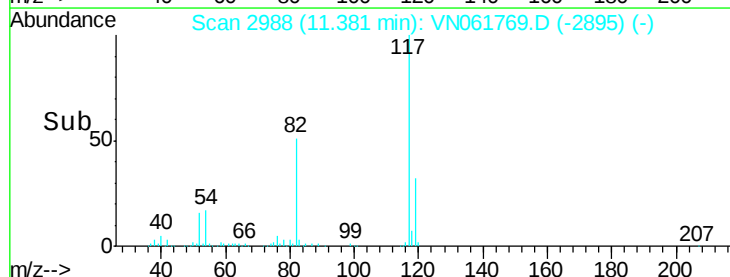
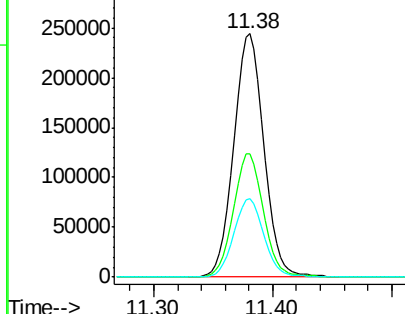


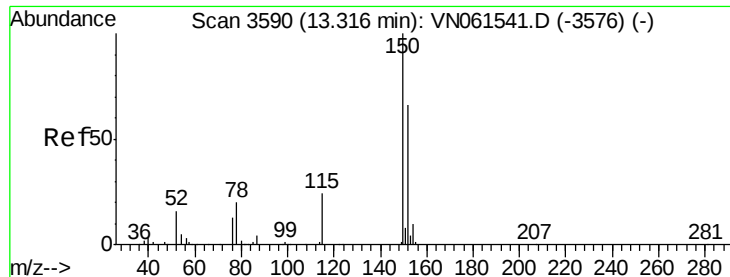
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

Tgt Ion: 117 Resp: 428831
Ion Ratio Lower Upper
117 100
82 50.6 41.5 62.3
119 32.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN061769.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN061769.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN061769.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061769.D

Acq: 12 Jun 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

PB129484TB

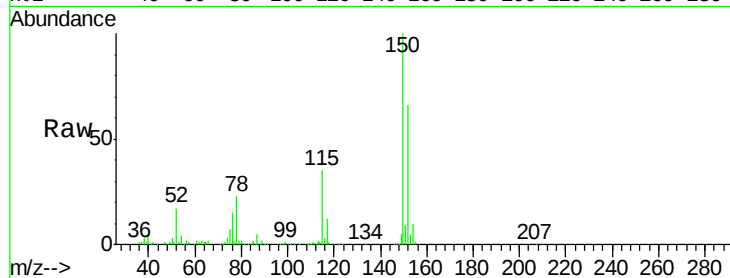
Tgt Ion:152 Resp: 190717

Ion Ratio Lower Upper

152 100

115 55.2 28.0 84.0

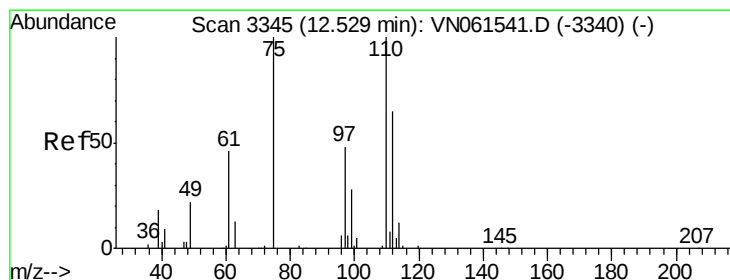
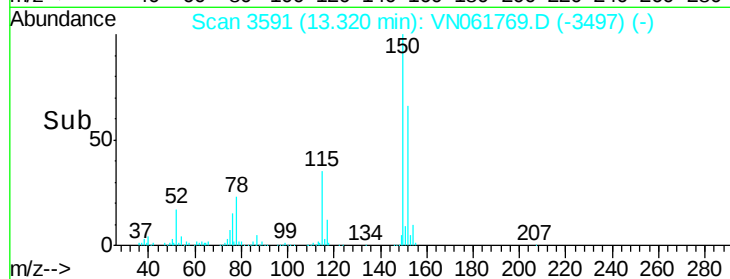
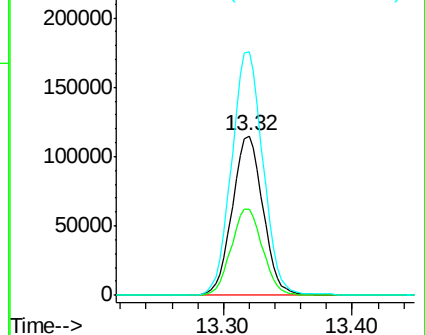
150 156.4 0.0 344.0



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: 25.37 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061769.D

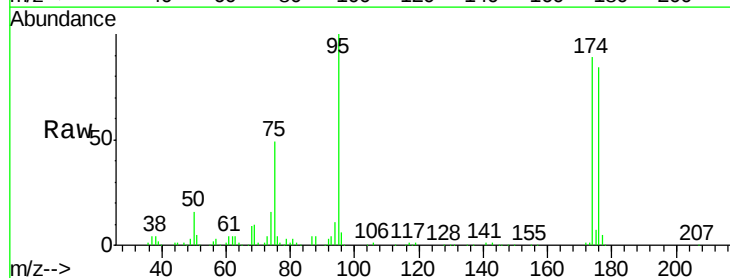
Acq: 12 Jun 2020 5:17

Tgt Ion: 75 Resp: 87966

Ion Ratio Lower Upper

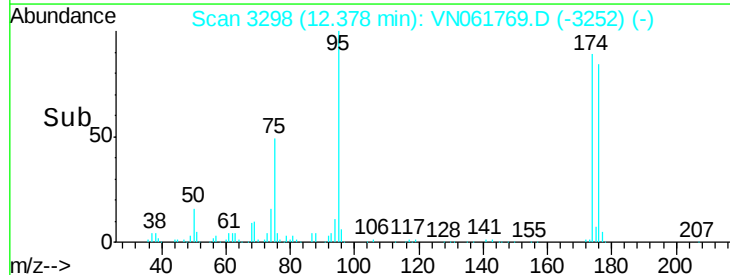
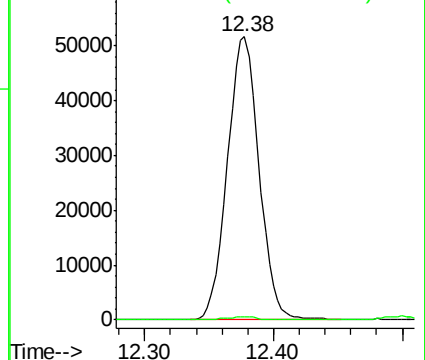
75 100

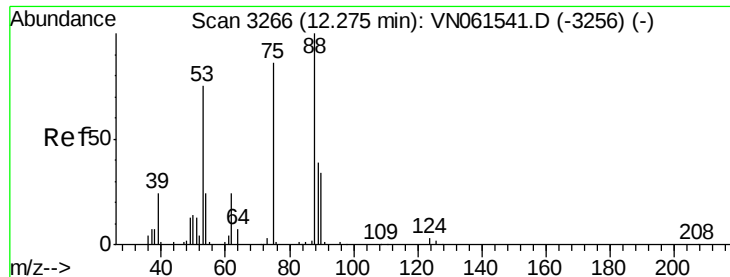
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

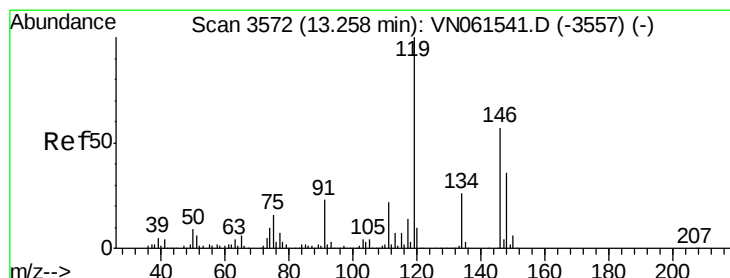
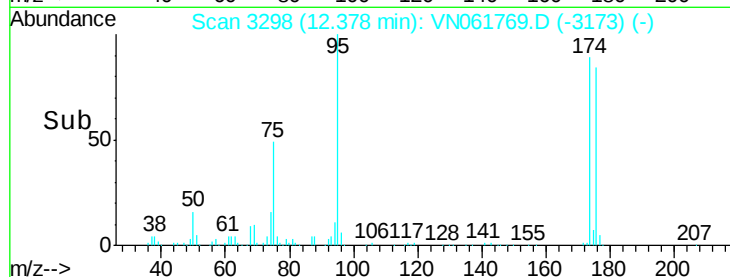
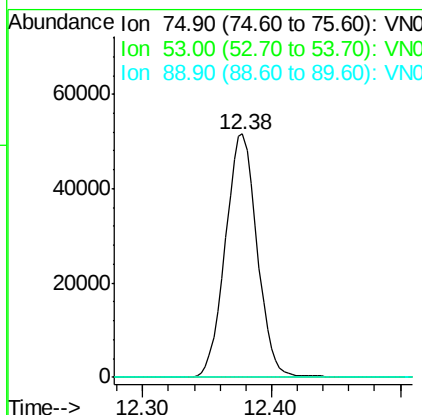
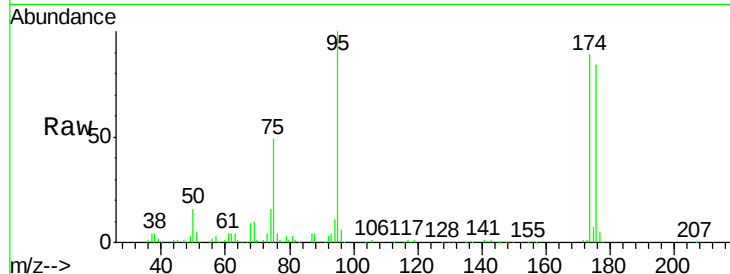




#81
trans-1,4-Dichloro-2-butene
Concen: 64.87 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

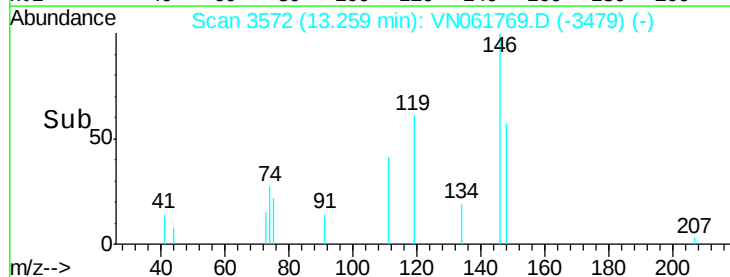
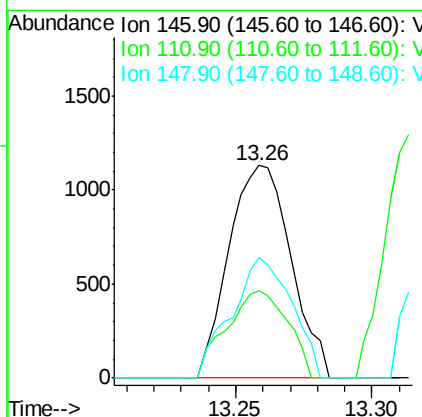
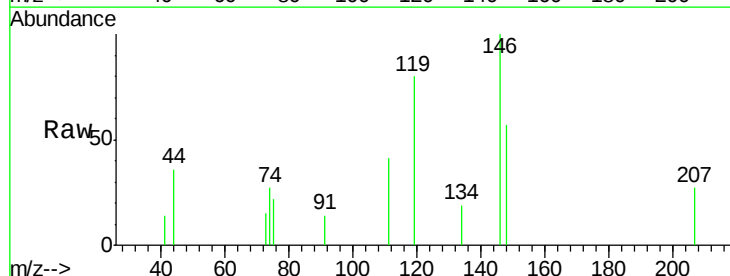
Instrument :
MSVOA_N
ClientSampleId :
PB129484TB

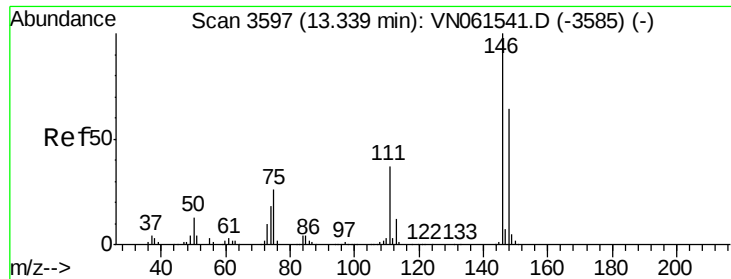
Tgt Ion: 75 Resp: 87966
Ion Ratio Lower Upper
75 100
53 0.0 67.8 101.8#
89 0.0 37.1 55.7#



#87
1,3-Dichlorobenzene
Concen: 0.28 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061769.D
Acq: 12 Jun 2020 5:17

Tgt Ion: 146 Resp: 1784
Ion Ratio Lower Upper
146 100
111 40.6 19.2 57.6
148 55.1 31.7 95.1

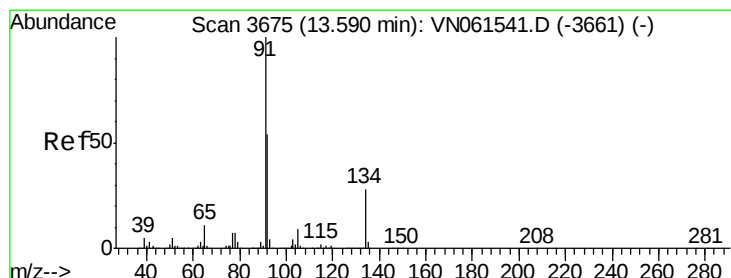
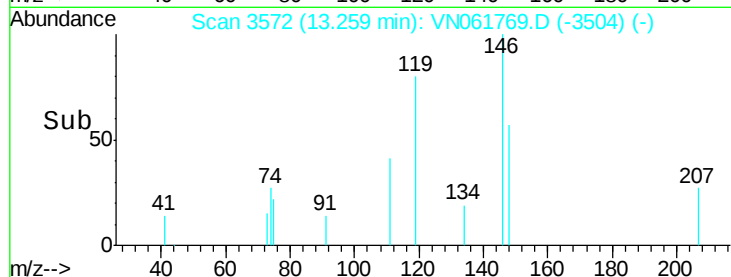
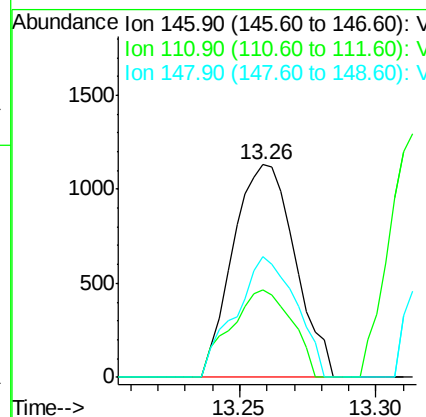
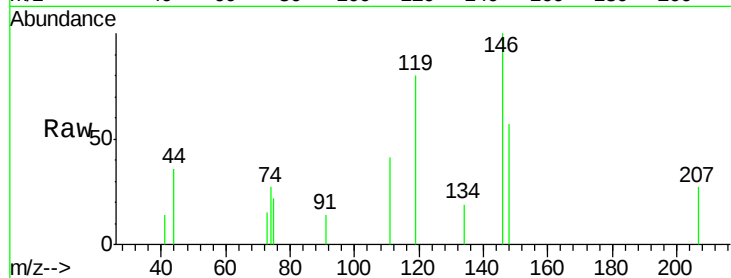




#88
 1,4-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.08 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

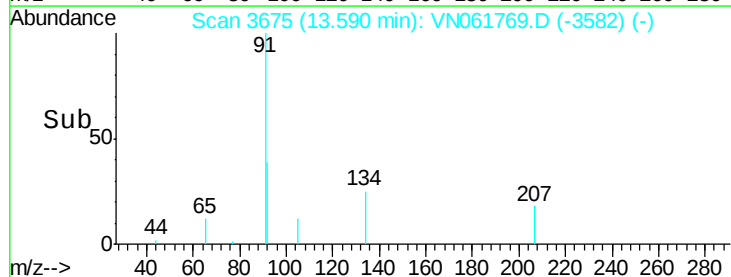
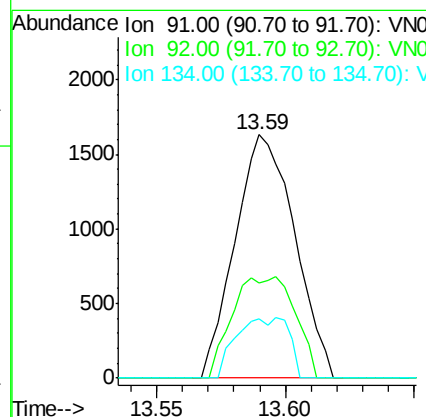
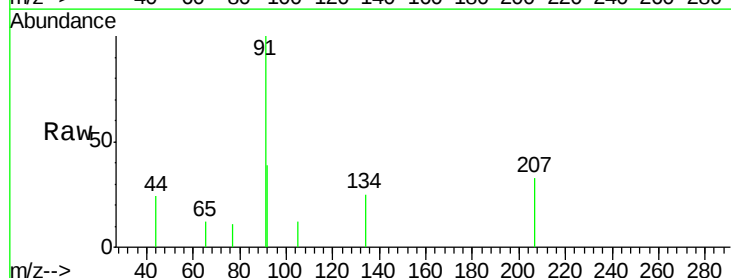
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129484TB

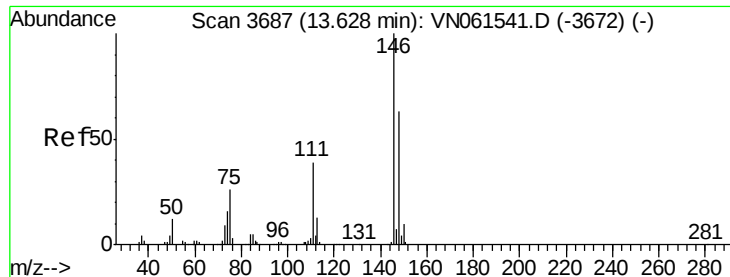
Tgt Ion: 146 Resp: 1784
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.9 56.9
 148 55.1 31.8 95.3



#89
 n-Butylbenzene
 Concen: 0.26 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Tgt Ion: 91 Resp: 2619
 Ion Ratio Lower Upper
 91 100
 92 43.7 27.2 81.6
 134 21.9 14.0 42.0

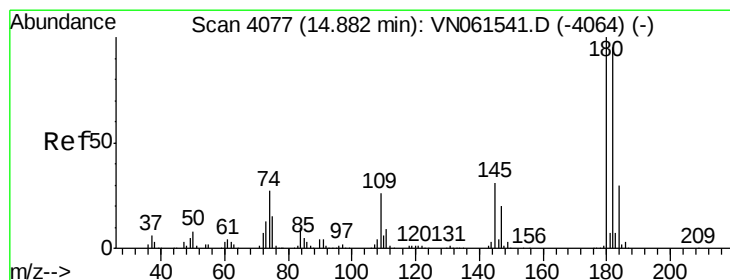
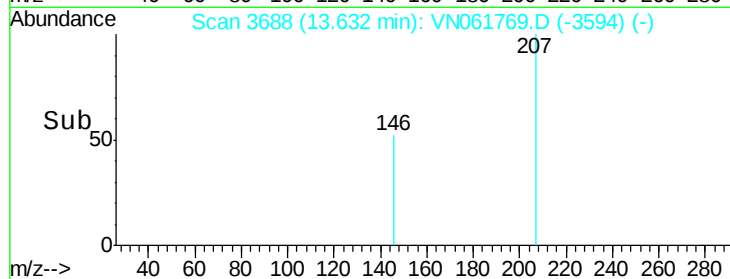
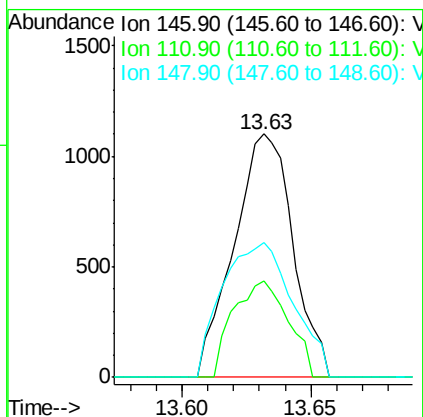
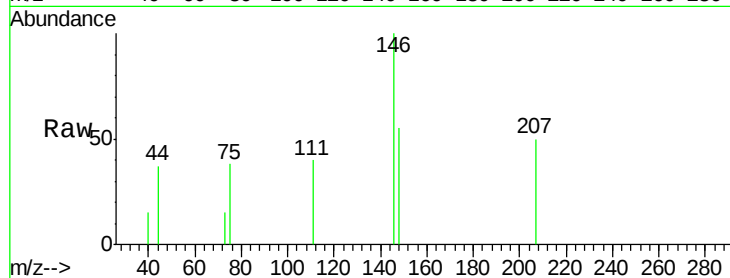




#91
 1,2-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

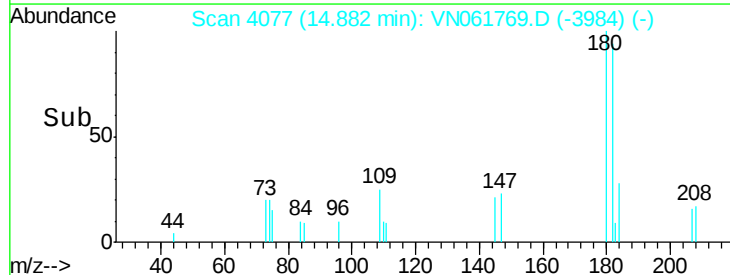
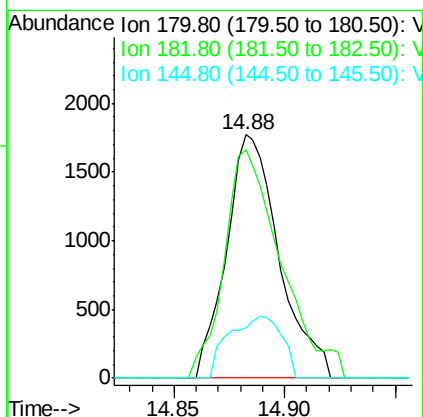
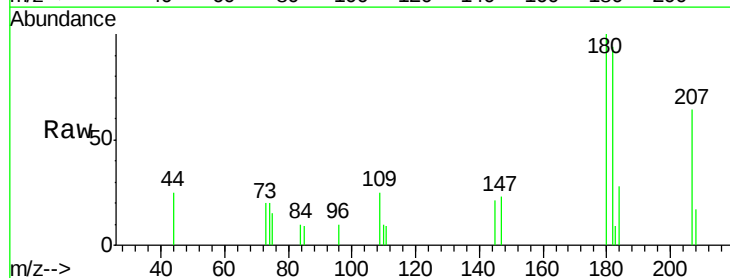
Instrument :
 MSVOA_N
 ClientSampled :
 PB129484TB

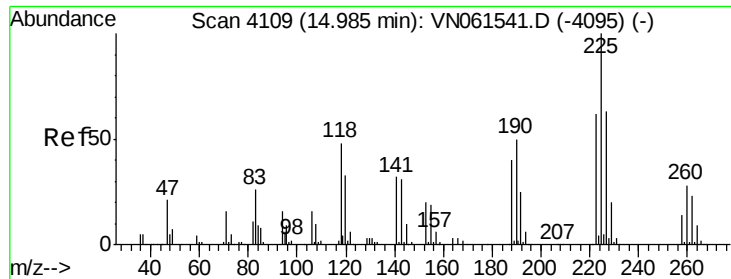
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.1	60.2
148	65.9	31.9	95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.84 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.1	47.8	143.3
145	25.3	15.5	46.5





#94

Hexachlorobutadiene

Concen: 0.69 ug/l

RT: 14.99 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VN061769.D

Acq: 12 Jun 2020 5:17

Instrument :

MSVOA_N

ClientSampled :

PB129484TB

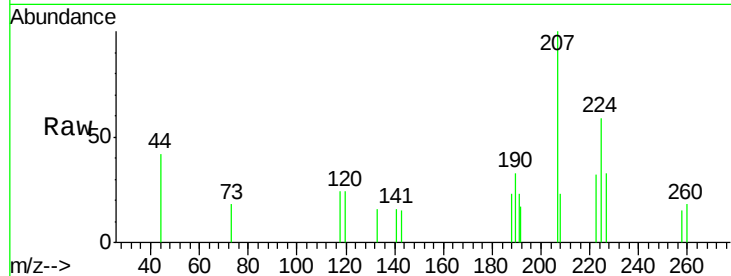
Tgt Ion:225 Resp: 1028

Ion Ratio Lower Upper

225 100

223 57.0 31.9 95.5

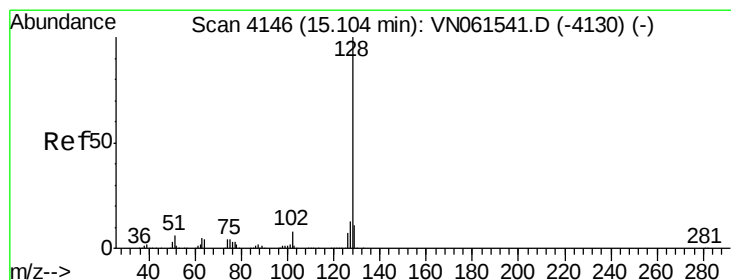
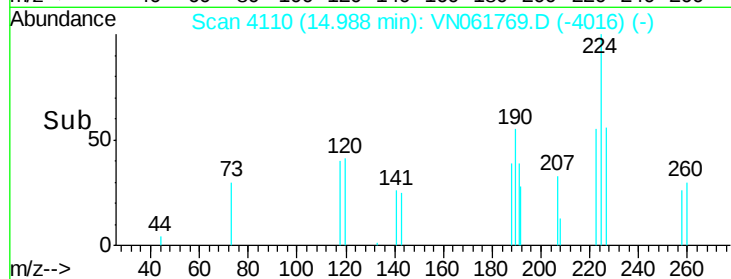
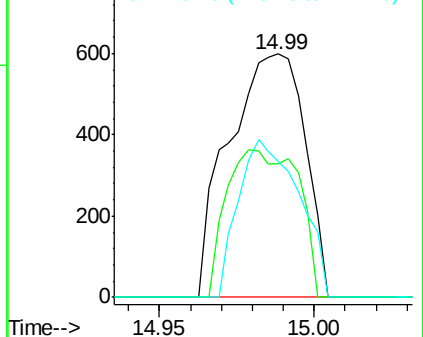
227 51.6 31.9 95.9



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



#95

Naphthalene

Concen: 1.05 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061769.D

Acq: 12 Jun 2020 5:17

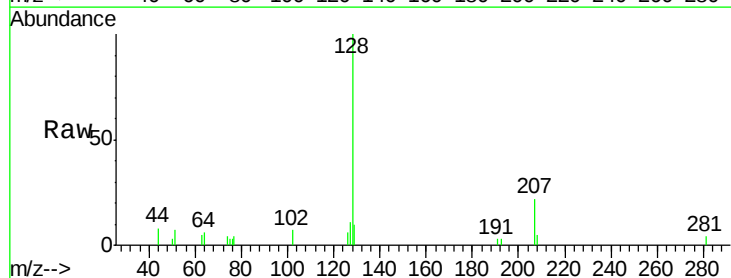
Tgt Ion:128 Resp: 11288

Ion Ratio Lower Upper

128 100

127 11.5 10.0 15.0

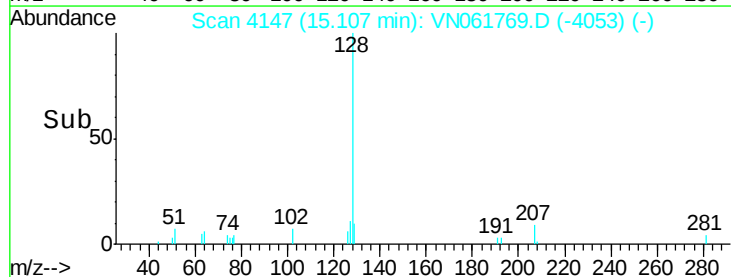
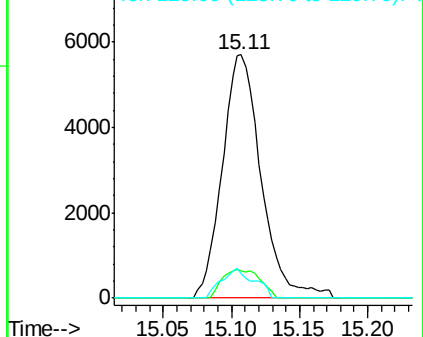
129 10.2 8.5 12.7

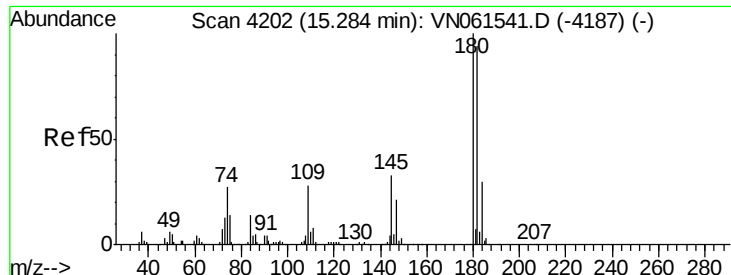


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

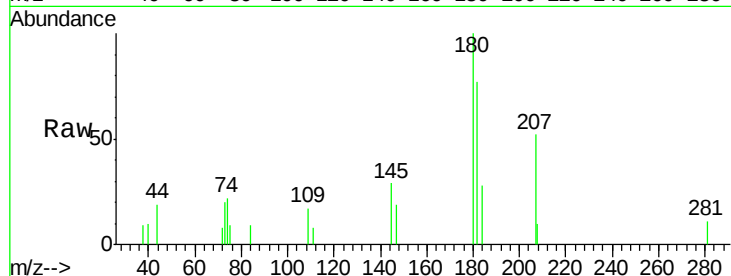




#96
 1,2,3-Trichlorobenzene
 Concen: 1.09 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN061769.D
 Acq: 12 Jun 2020 5:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129484TB

Tgt Ion:180 Resp: 3762
 Ion Ratio Lower Upper
 180 100
 182 78.6 47.1 141.3
 145 28.0 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

