

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061041.D
 Acq On : 17 Apr 2020 11:27
 Operator : JC/MD
 Sample : VN0417WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBL01

Quant Time: Apr 20 01:29:24 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	159559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	272116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	244562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	95640	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	105548	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	7.56	113	81569	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.08	98	330227	54.99	ug/l	0.00
Spiked Amount			Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.40	95	114797	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

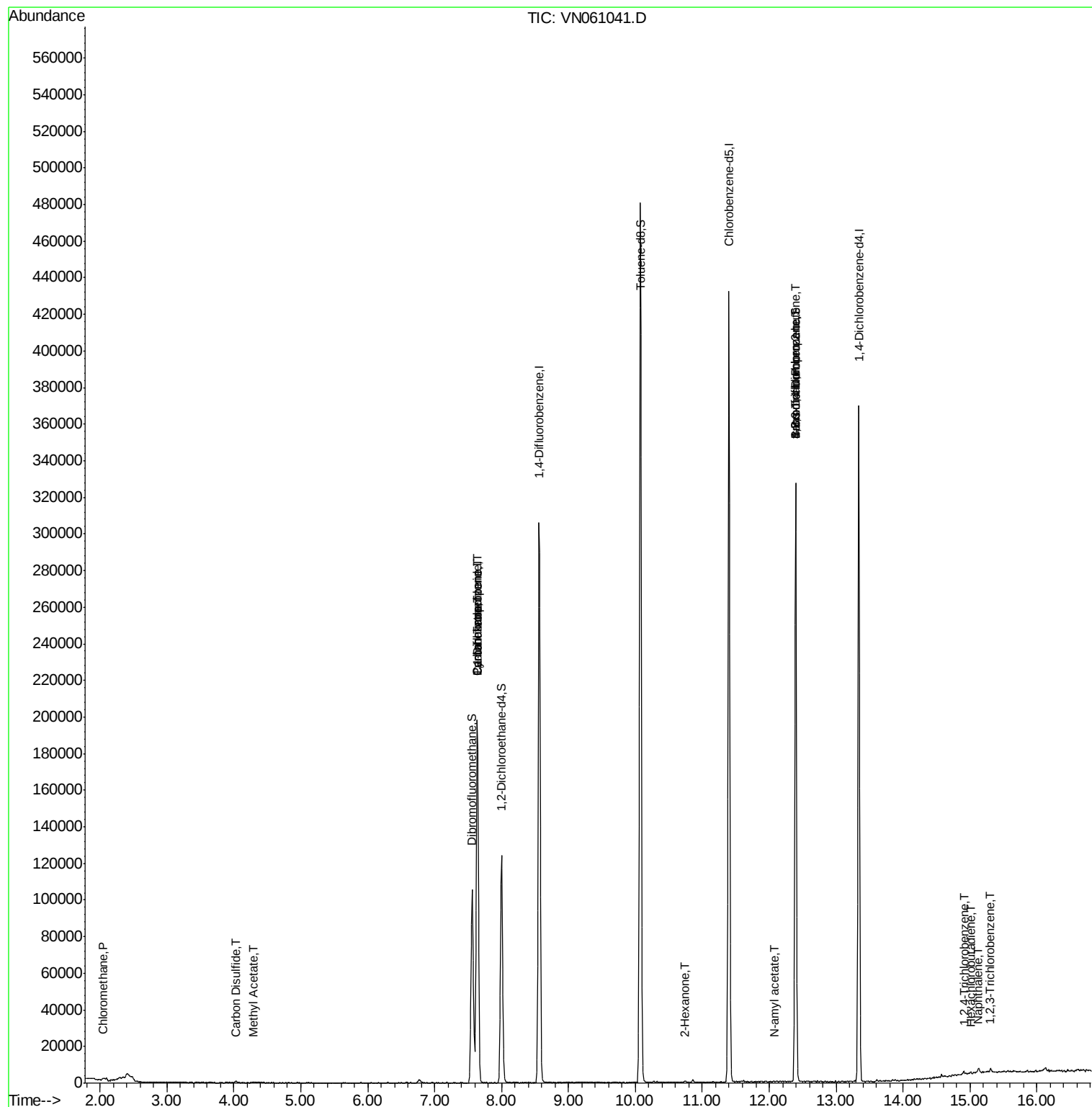
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	667	0.236	ug/l #	43
17) Carbon Disulfide	4.03	76	1105	0.202	ug/l #	74
18) Methyl Acetate	4.30	43	1245	0.442	ug/l #	54
31) Cyclohexane	7.63	56	3589	0.944	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13207	4.703	ug/l #	49
38) Carbon Tetrachloride	7.64	117	15789	6.755	ug/l #	15
59) 2-Hexanone	10.74	43	941	0.456	ug/l #	26
71) Bromoform	12.40	173	618	0.458	ug/l #	1
74) N-amyl acetate	12.06	43	901	0.253	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	58837	27.968	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	58837	68.987	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	621	0.345	ug/l	99
94) Hexachlorobutadiene	15.00	225	203	0.219	ug/l #	28
95) Naphthalene	15.13	128	3047	0.580	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	970	0.559	ug/l	83

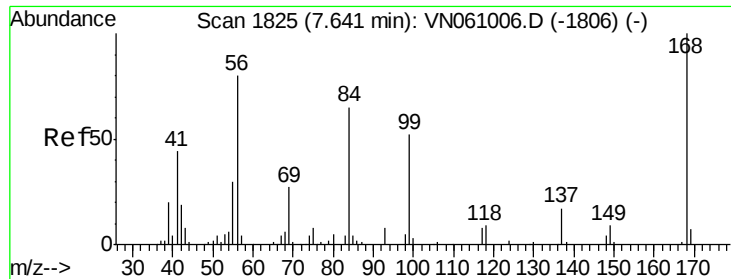
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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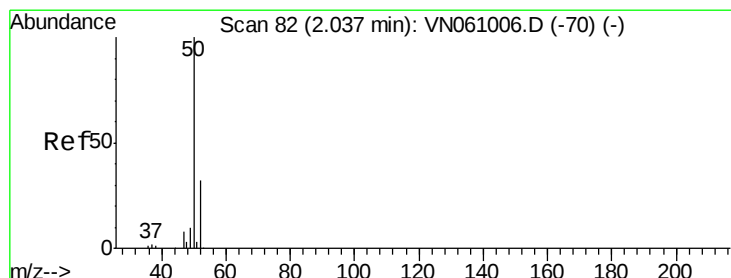
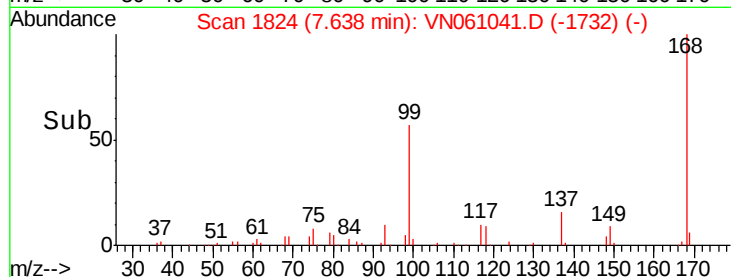
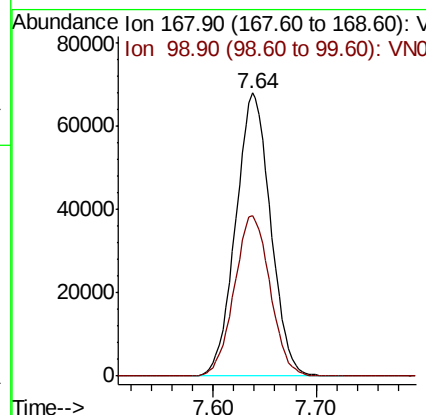
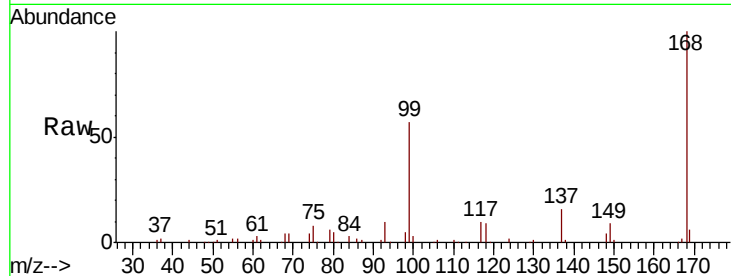




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

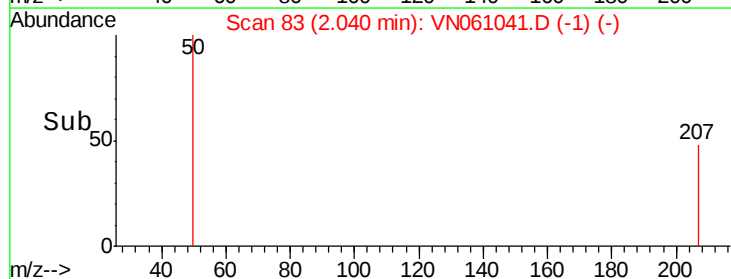
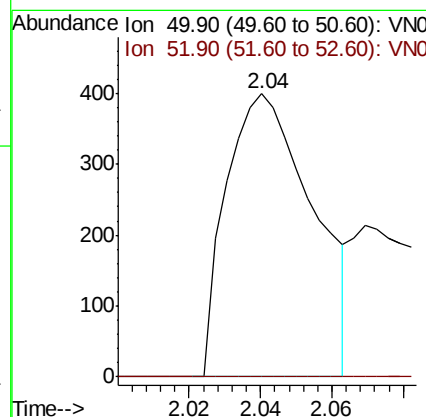
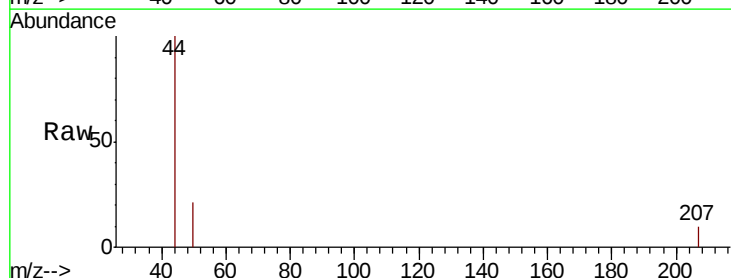
Instrument :
MSVOA_N
ClientSampleId :
VN0417WBL01

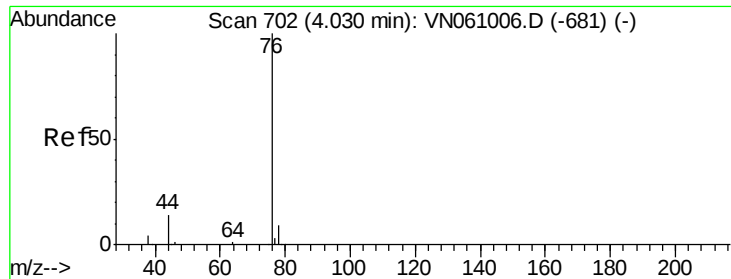
Tot Ion:168 Resp: 159559
Ion Ratio Lower Upper
168 100
99 56.7 47.4 71.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Tgt Ion: 50 Resp: 667
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

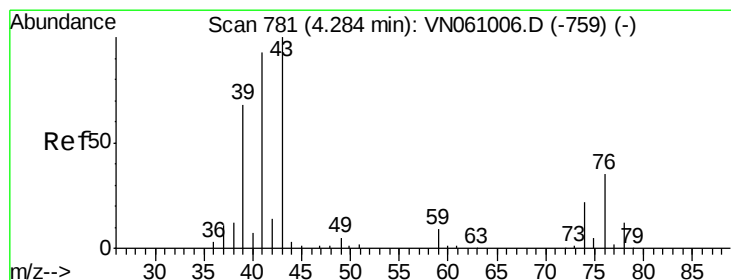
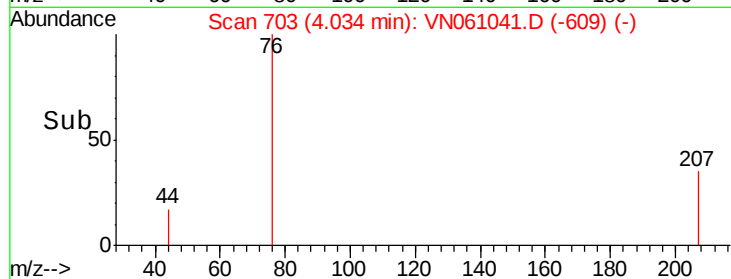
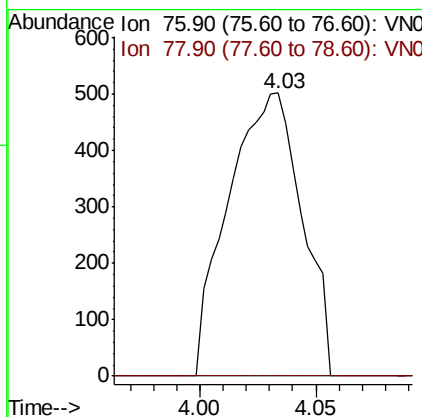
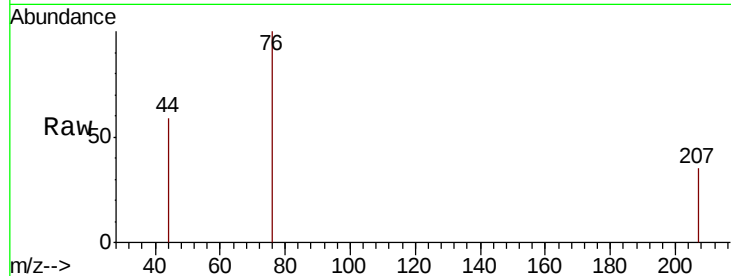




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

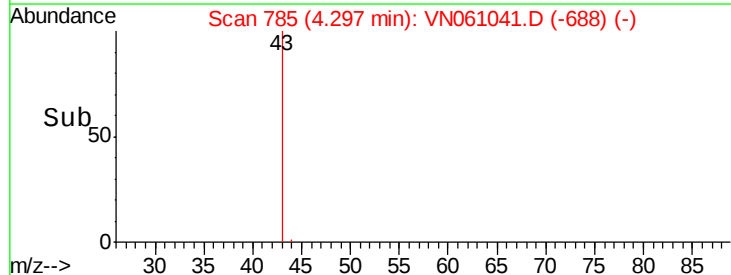
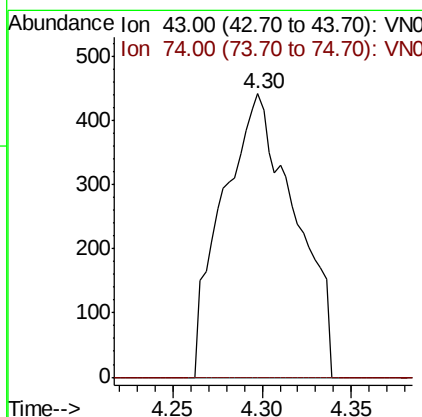
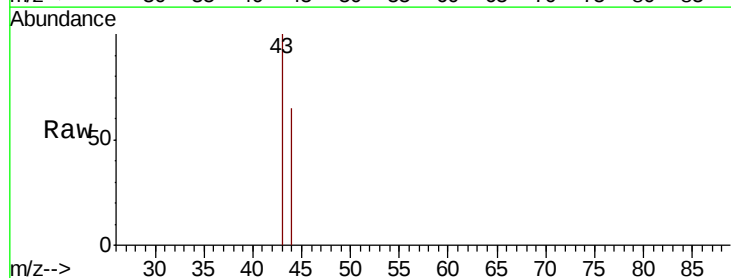
Instrument :
MSVOA_N
ClientSampleId :
VN0417WBL01

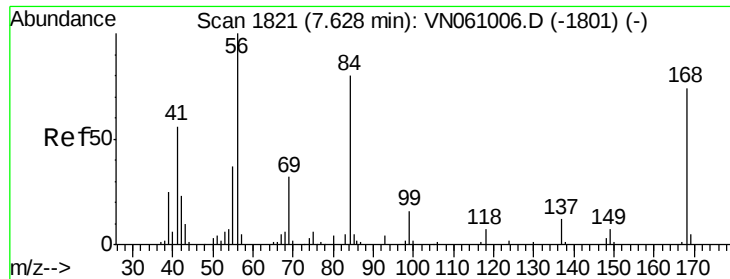
Tot Ion: 76 Resp: 1105
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.442 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

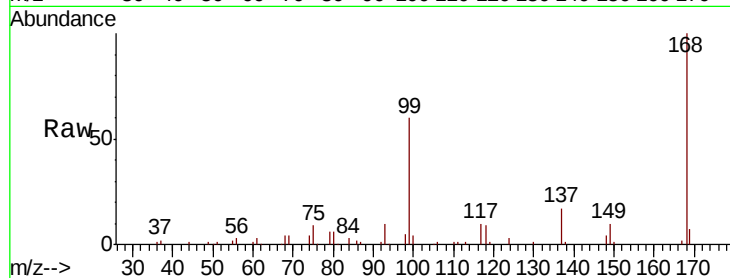




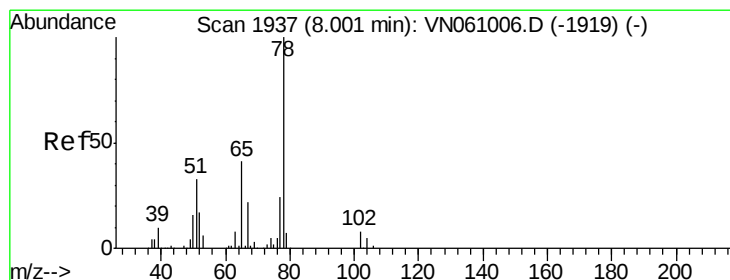
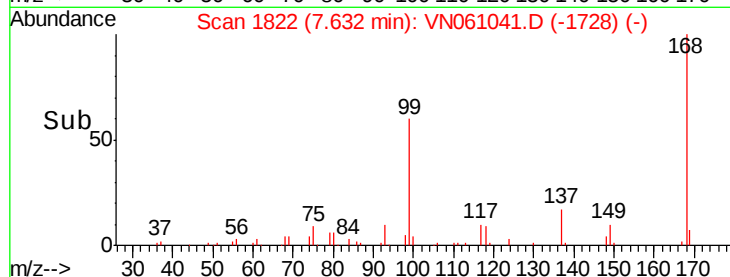
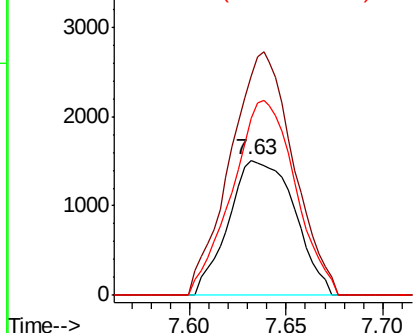
#31
Cyclohexane
Concen: 0.944 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0417WBL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	163.0	25.6	38.4#
84	131.0	63.4	95.2#

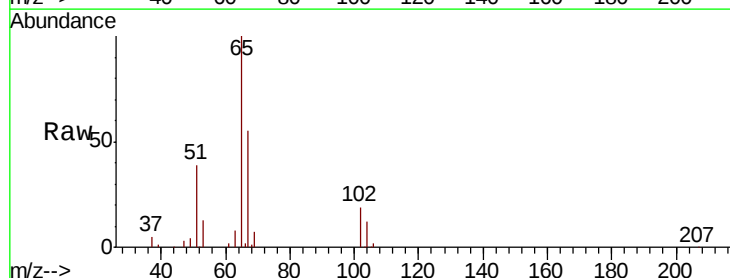


Abundance Ion 56.00 (55.70 to 56.70): VN061006.D (-1801) (-)
Ion 69.00 (68.70 to 69.70): VN061006.D (-1801) (-)
Ion 84.00 (83.70 to 84.70): VN061006.D (-1801) (-)

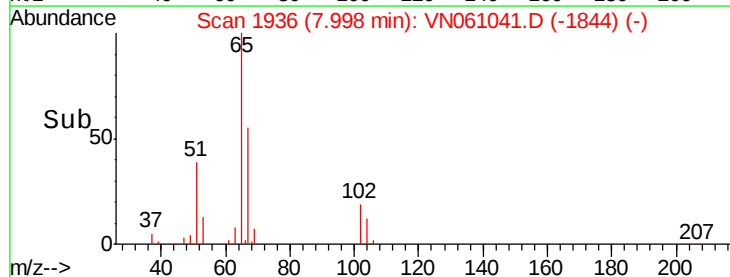
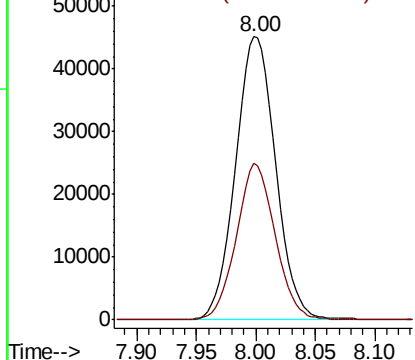


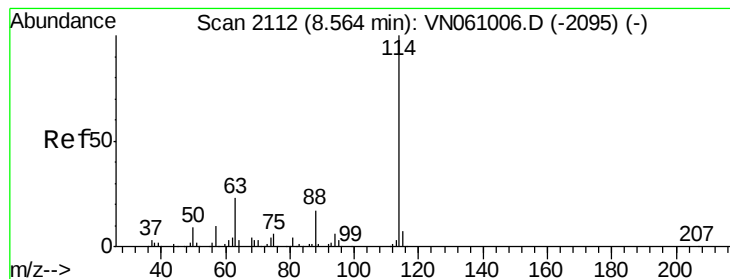
#33
1,2-Dichloroethane-d4
Concen: 51.702 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.0



Abundance Ion 64.90 (64.60 to 65.60): VN061006.D (-1919) (-)
Ion 66.90 (66.60 to 67.60): VN061006.D (-1919) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

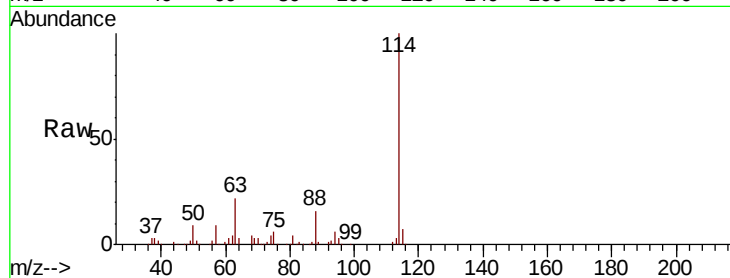
Tot Ion:114 Resp: 272116

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

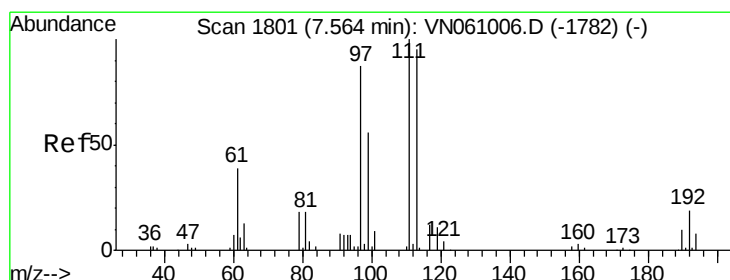
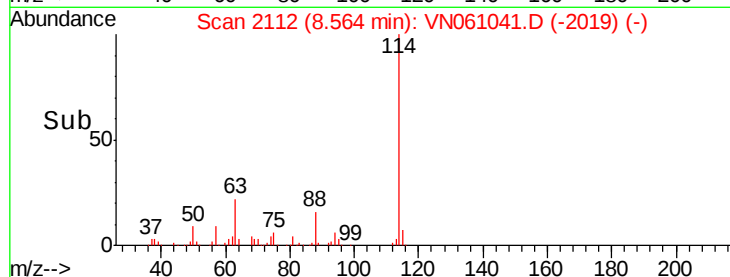
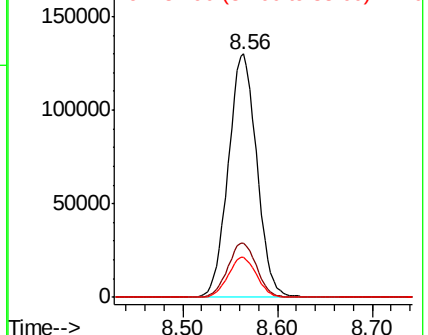
88 16.4 0.0 33.4



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: 51.330 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

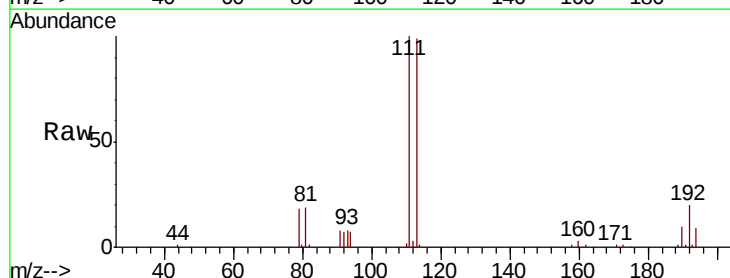
Tgt Ion:113 Resp: 81569

Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.2

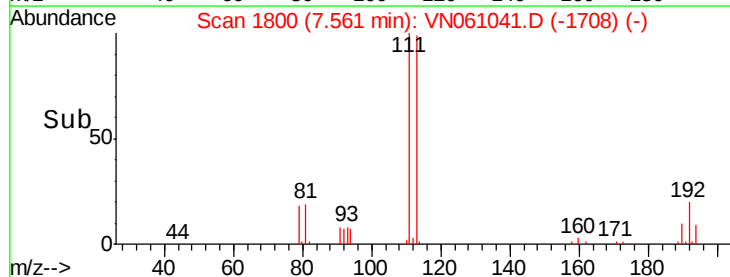
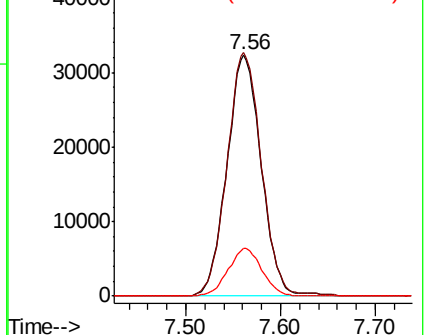
192 19.4 15.5 23.3

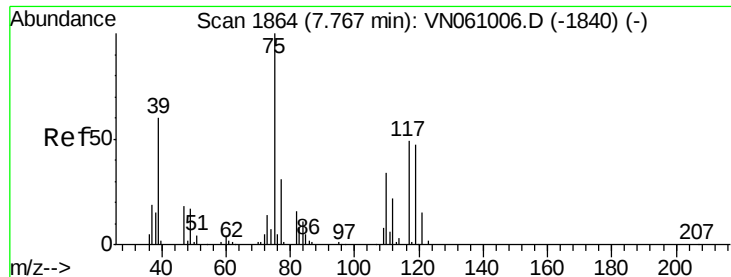


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

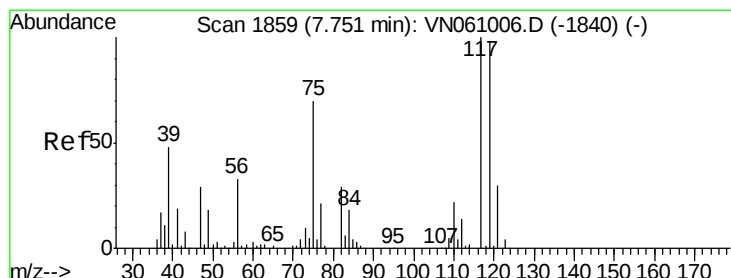
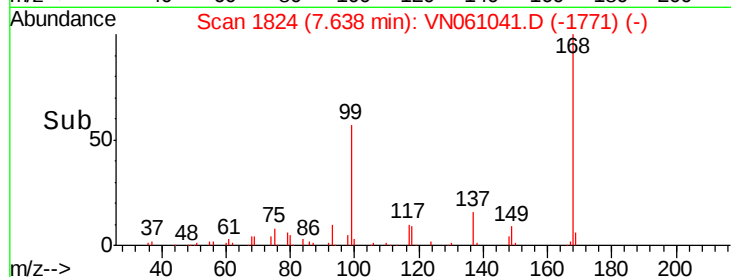
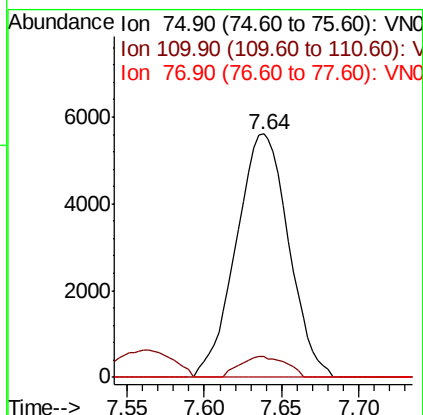
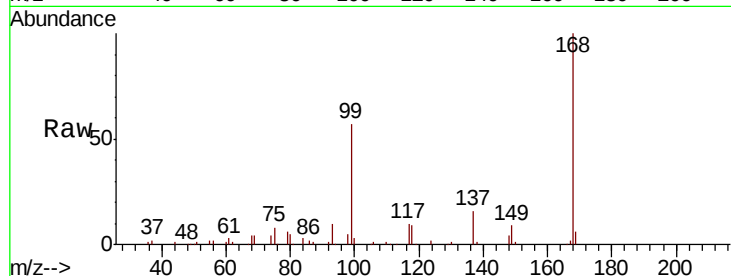




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061041.D
 Acq: 17 Apr 2020 11:27

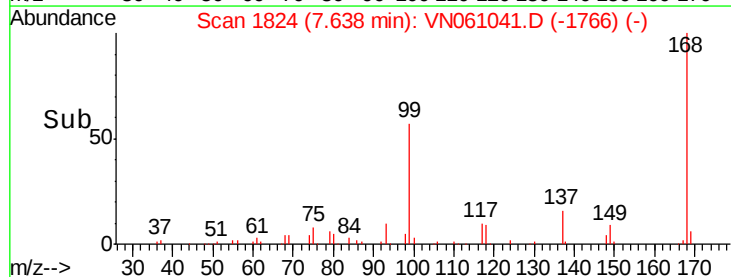
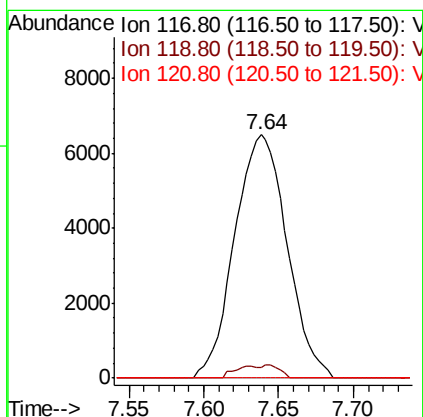
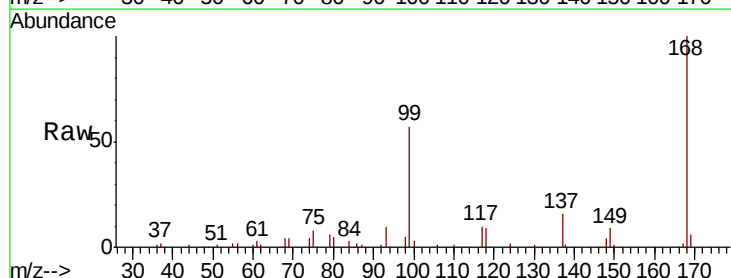
Instrument :
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 VN0417WBL01

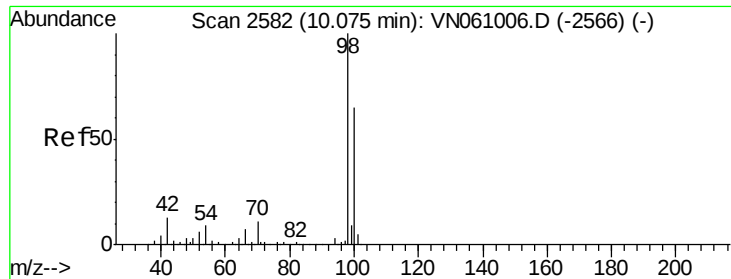
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.755 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN061041.D
 Acq: 17 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.1	117.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 54.992 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

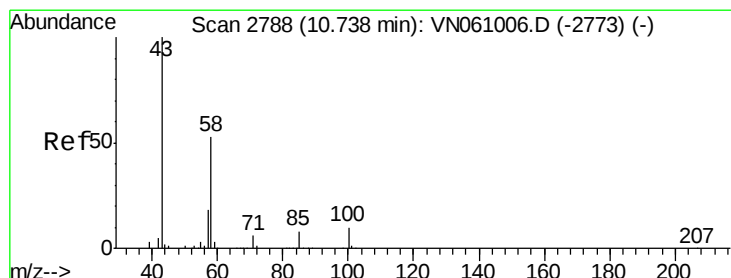
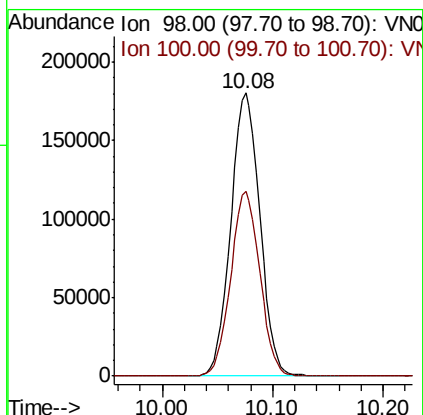
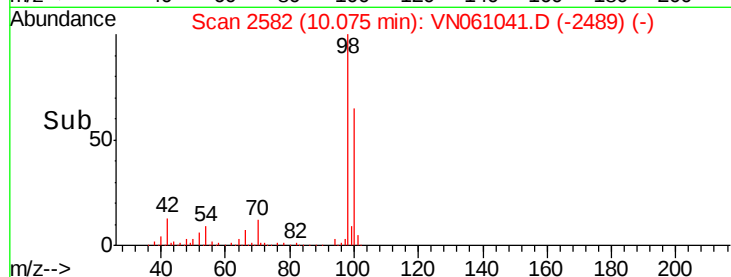
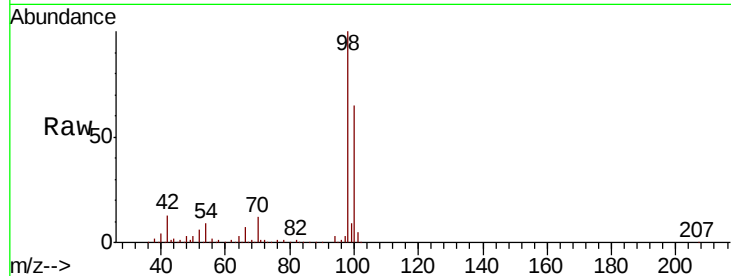
VN0417WBL01

Tot Ion: 98 Resp: 330227

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9



#59

2-Hexanone

Concen: 0.456 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.01 min

Lab File: VN061041.D

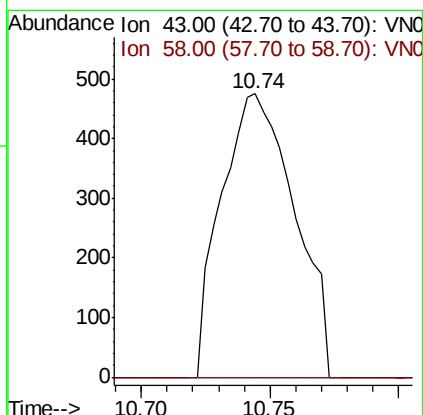
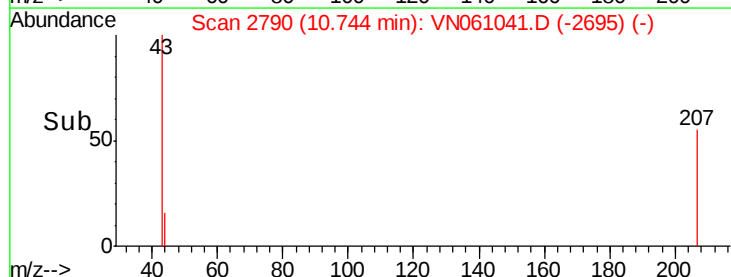
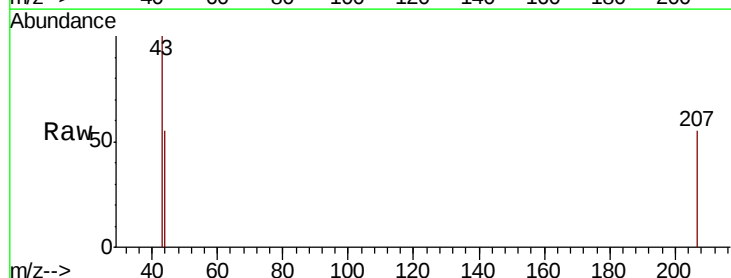
Acq: 17 Apr 2020 11:27

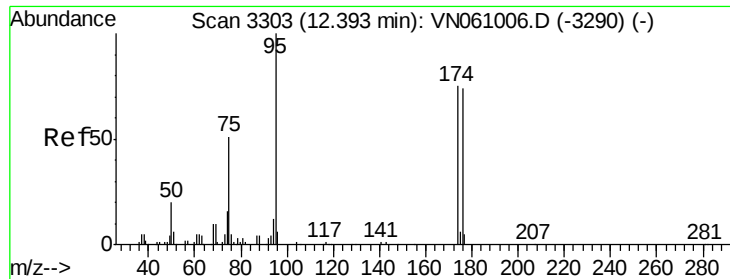
Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

43 100

58 0.0 26.4 79.0#





#62

4-Bromofluorobenzene

Concen: 48.777 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

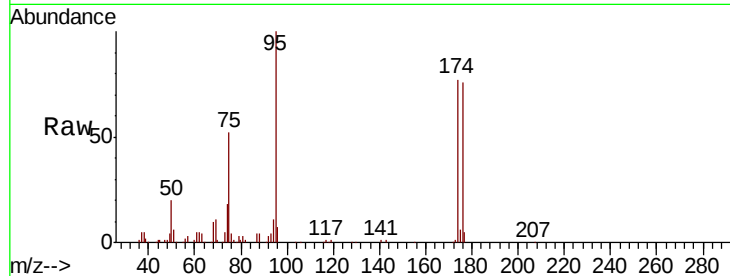
Tot Ion: 95 Resp: 114797

Ion Ratio Lower Upper

95 100

174 76.8 0.0 151.2

176 74.7 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)

12.40

60000

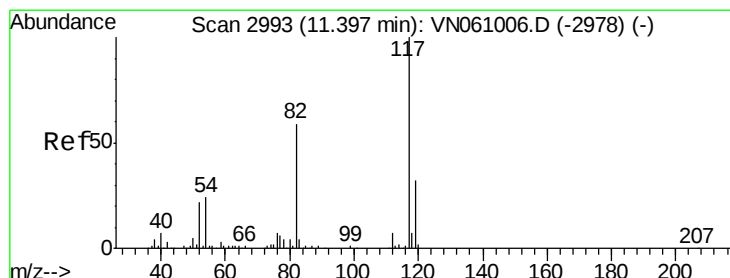
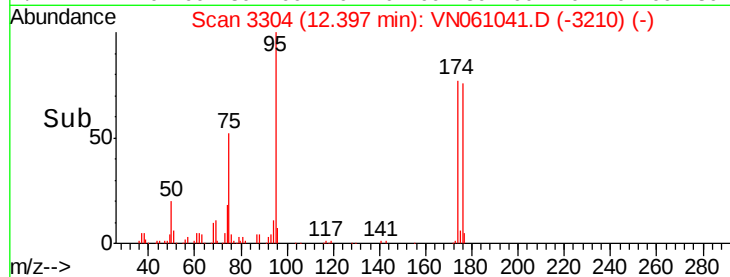
40000

20000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

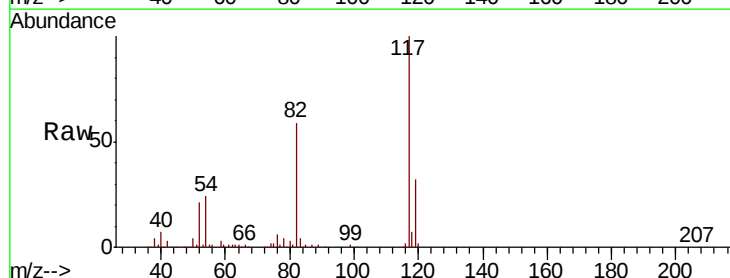
Tgt Ion: 117 Resp: 244562

Ion Ratio Lower Upper

117 100

82 58.9 47.1 70.7

119 31.8 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN061006.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN061006.D (-2978) (-)

11.40

150000

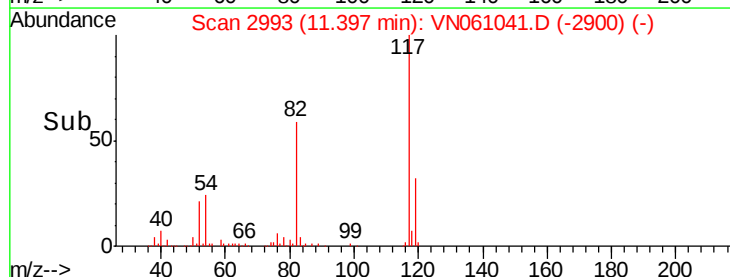
100000

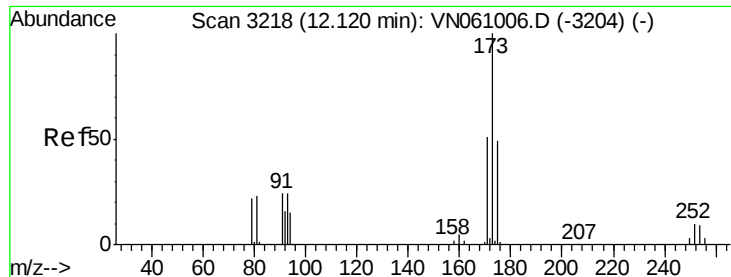
50000

0

11.30 11.40 11.50

Time-->





#71

Bromoform

Concen: 0.458 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

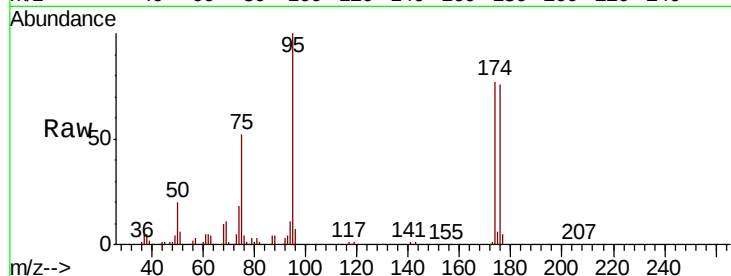
Tot Ion:173 Resp: 618

Ion Ratio Lower Upper

173 100

175 934.3 24.5 73.5#

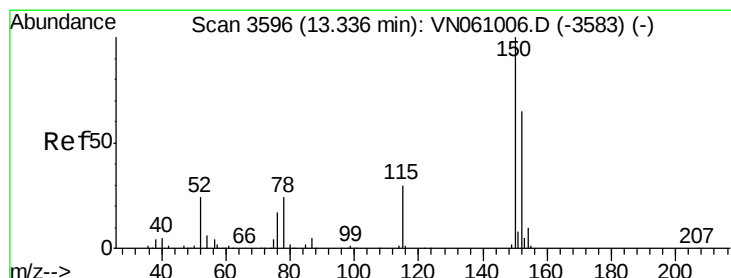
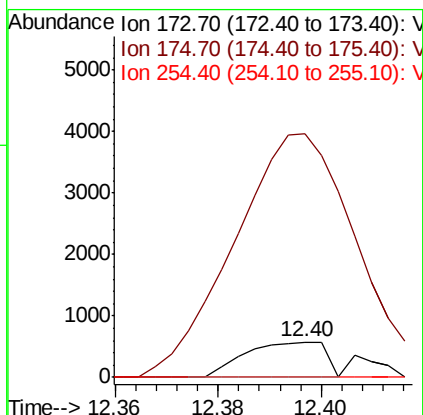
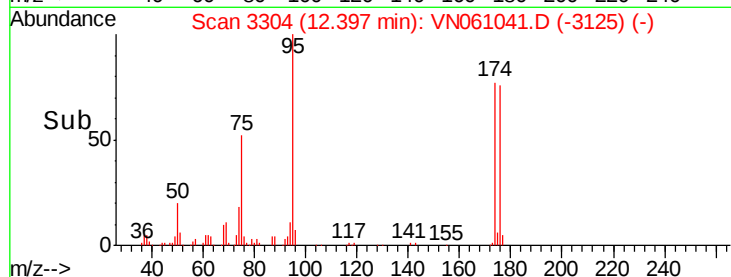
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

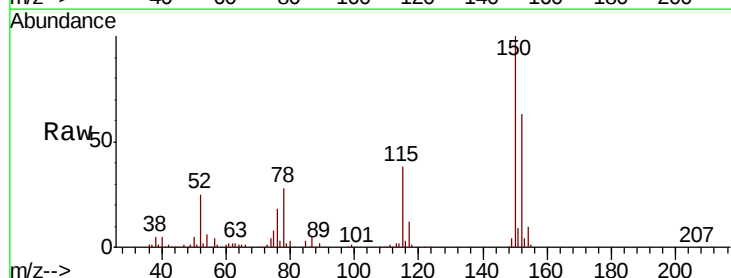
Tgt Ion:152 Resp: 95640

Ion Ratio Lower Upper

152 100

115 60.6 30.8 92.4

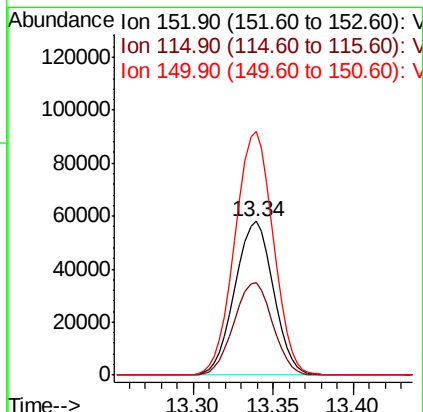
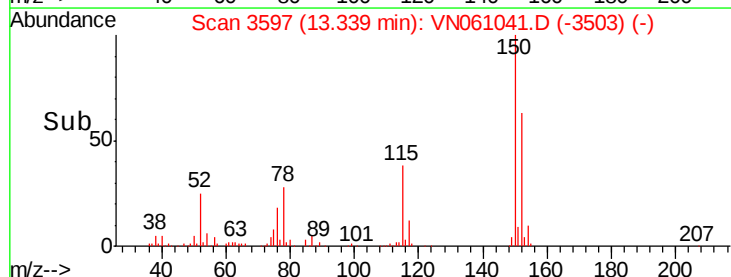
150 157.8 0.0 349.0

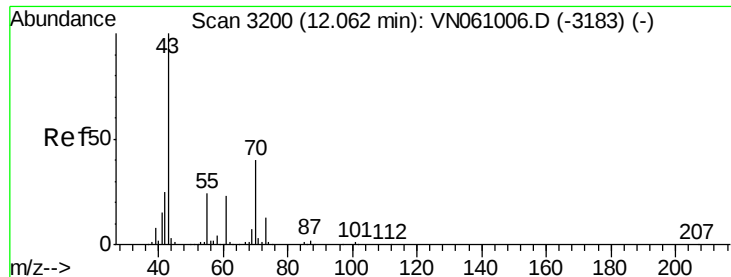


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.253 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

Tot Ion: 43 Resp: 901

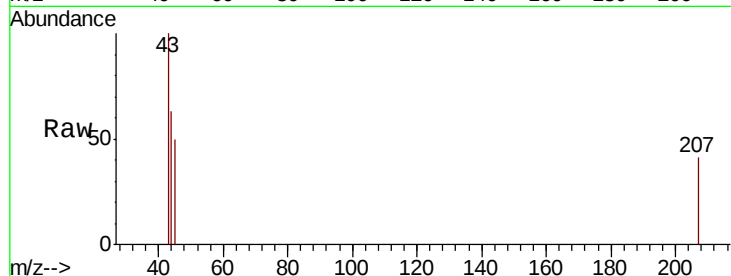
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.6 27.8#

61 0.0 18.2 27.4#

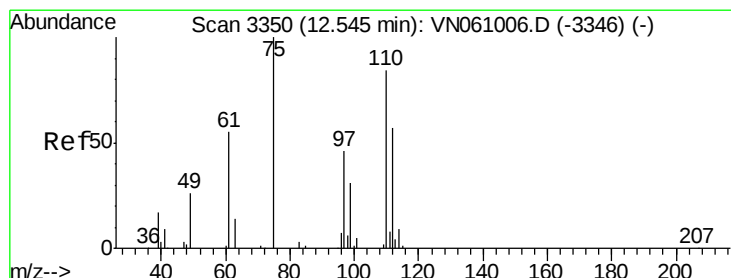
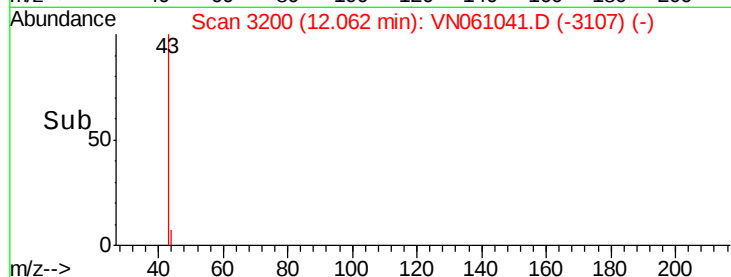
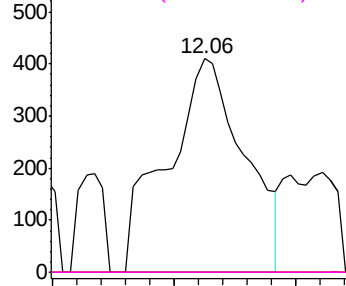


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.968 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061041.D

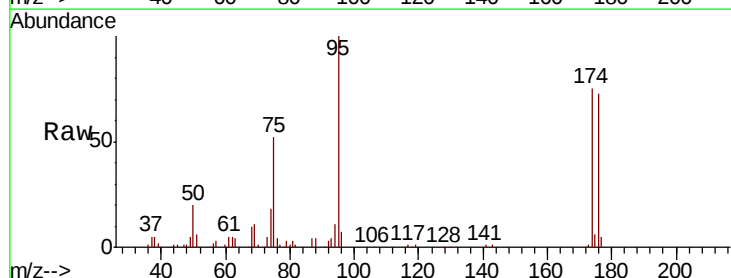
Acq: 17 Apr 2020 11:27

Tgt Ion: 75 Resp: 58837

Ion Ratio Lower Upper

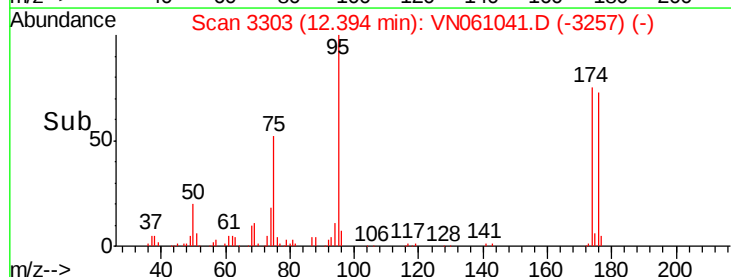
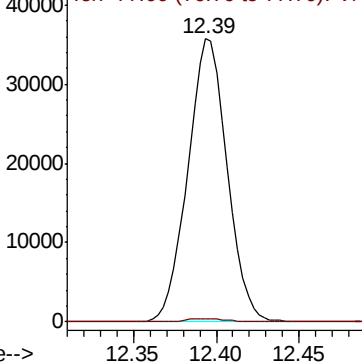
75 100

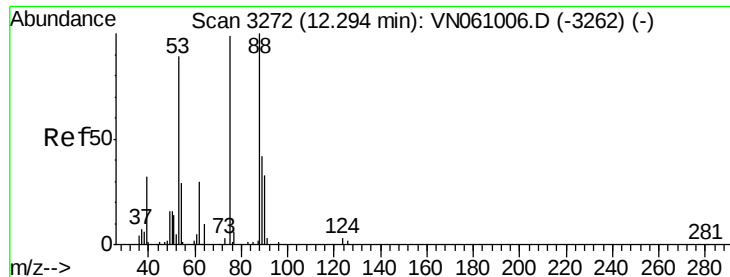
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.987 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

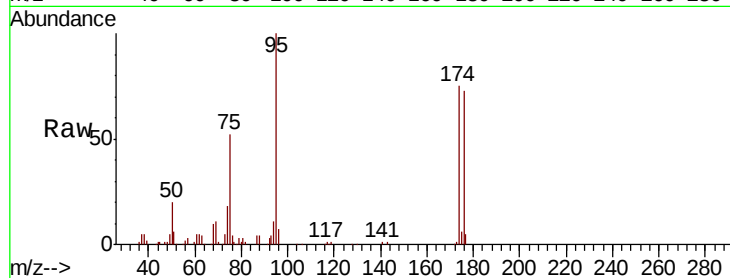
Tot Ion: 75 Resp: 58837

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

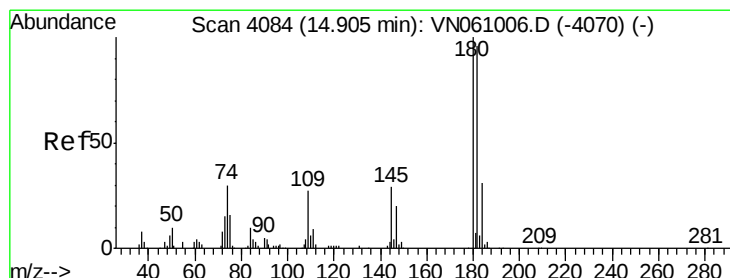
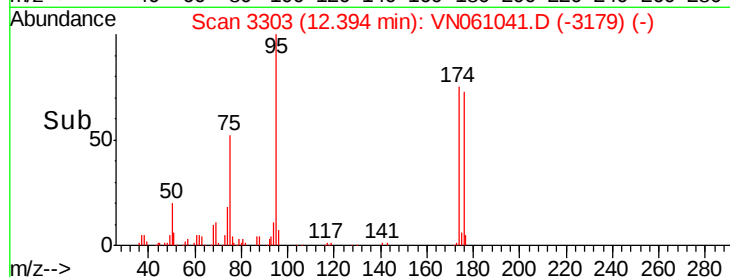
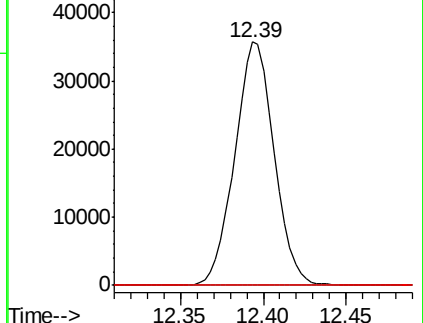
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061041.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061041.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061041.D (-3179) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.345 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

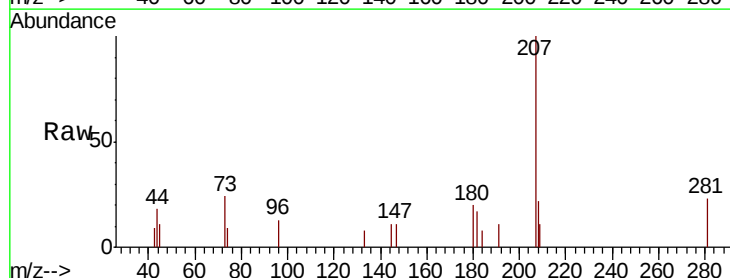
Tgt Ion:180 Resp: 621

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.3

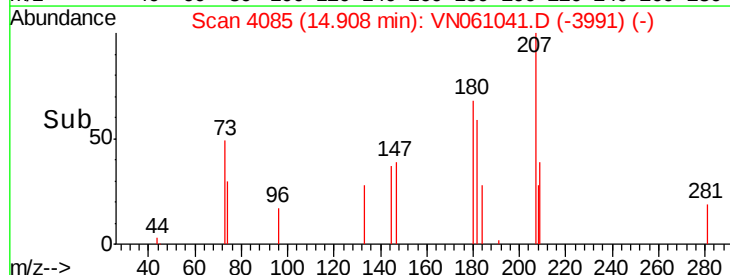
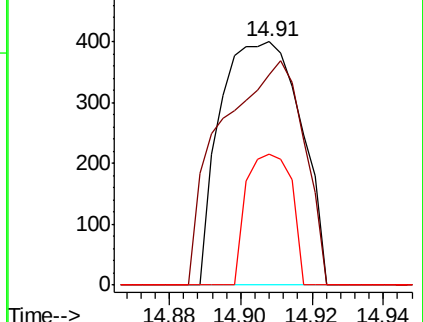
145 30.3 15.3 45.8

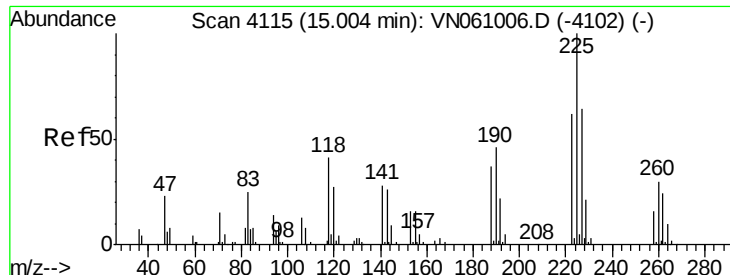


Abundance Ion 179.80 (179.50 to 180.50): VN061041.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN061041.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN061041.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: 0.219 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

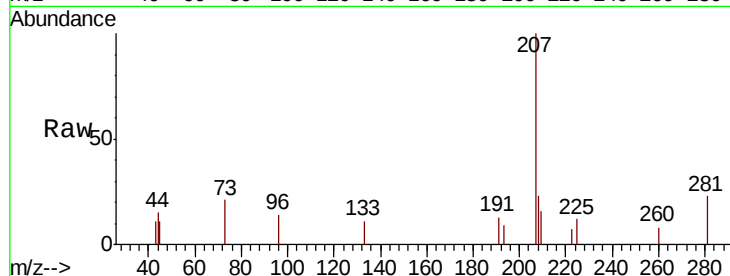
Tot Ion:225 Resp: 203

Ion Ratio Lower Upper

225 100

223 14.3 31.3 93.8#

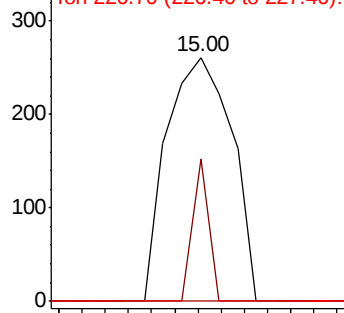
227 0.0 31.9 95.5#



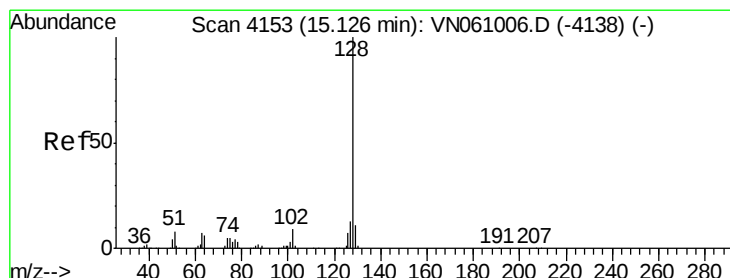
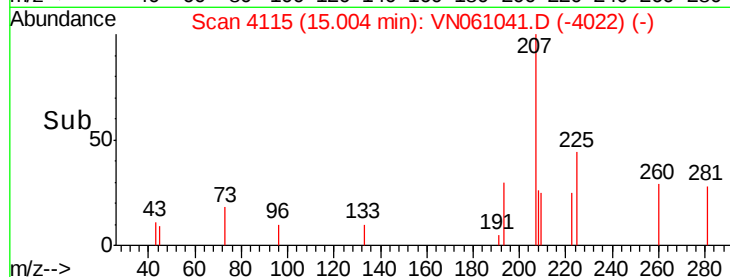
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 14.98 15.00 15.02



#95

Naphthalene

Concen: 0.580 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN061041.D

Acq: 17 Apr 2020 11:27

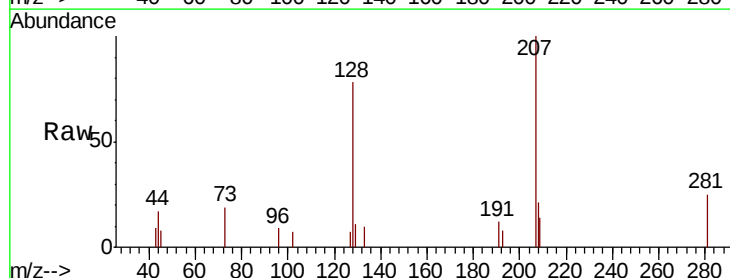
Tgt Ion:128 Resp: 3047

Ion Ratio Lower Upper

128 100

127 7.9 10.2 15.4#

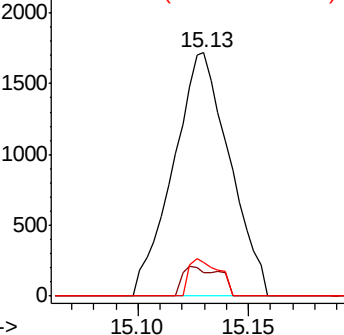
129 8.1 8.6 13.0#



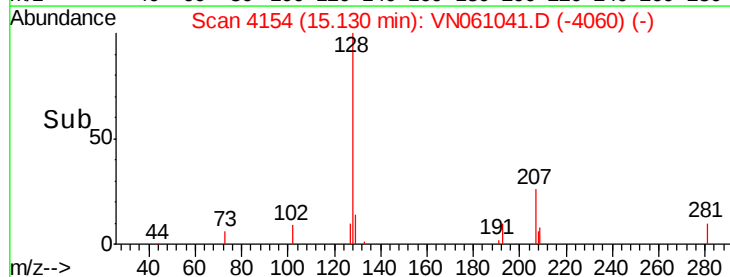
Abundance Ion 128.00 (127.70 to 128.70): V

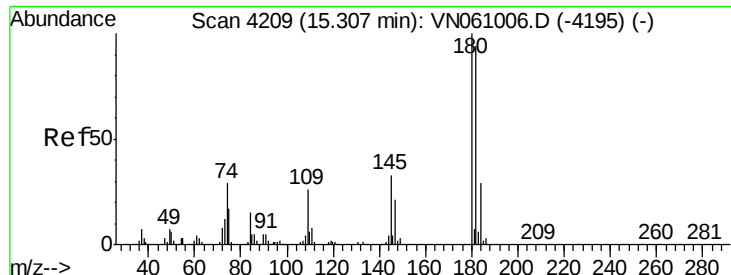
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 0.559 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: VN061041.D
 Acq: 17 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.9	47.6	142.8
145	22.8	16.4	49.2

