

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 :

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%	

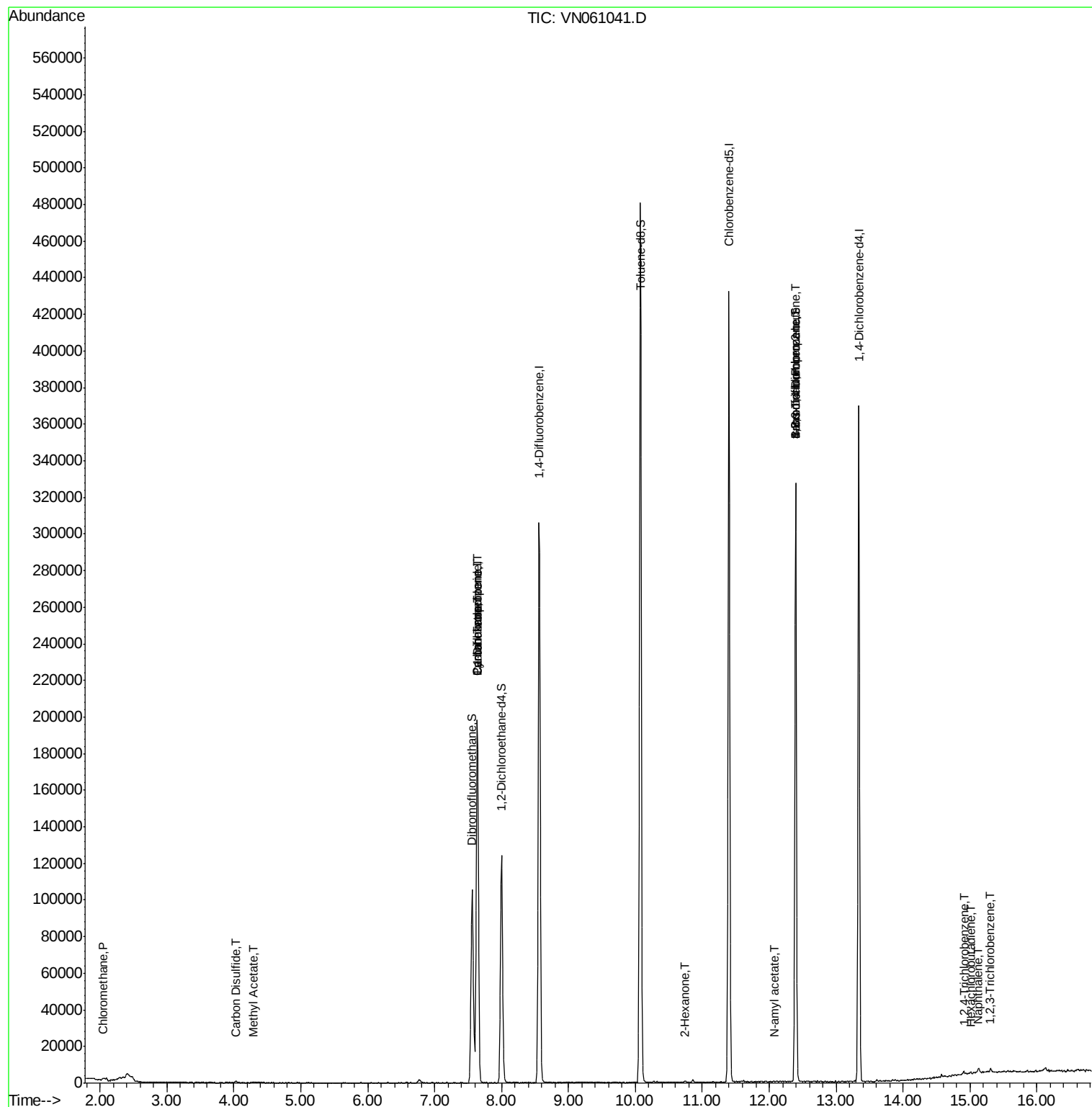
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	667	0.236	ug/l #	43
17) Carbon Disulfide	4.03	76	1105	0.202	ug/l #	74
18) Methyl Acetate	4.30	43	1245	0.442	ug/l #	54
31) Cyclohexane	7.63	56	3589	0.944	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13207	4.703	ug/l #	49
38) Carbon 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

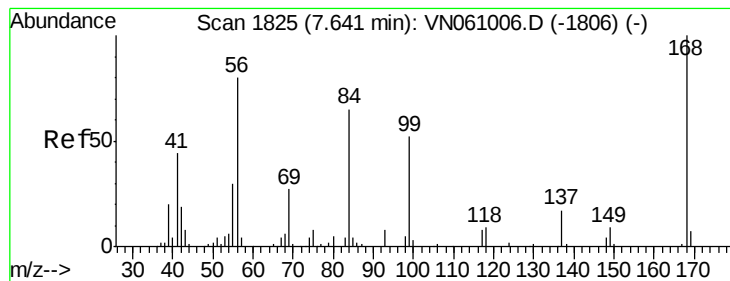
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#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

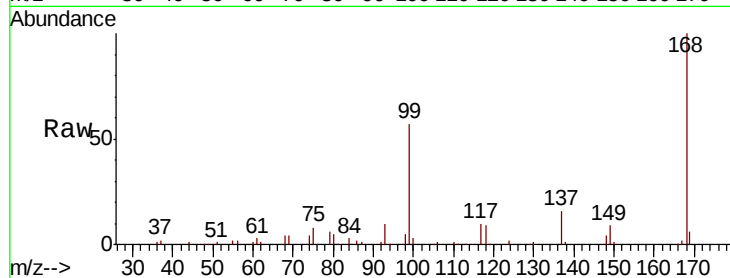
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 159559

Ion Ratio Lower Upper

168 100

99 56.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)

7.64

60000

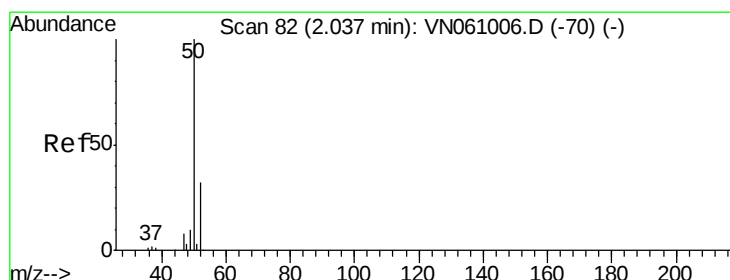
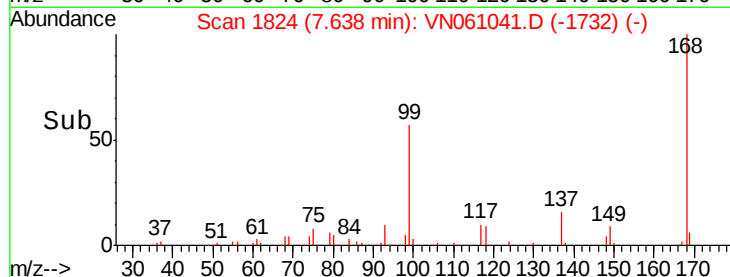
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.236 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN061041.D

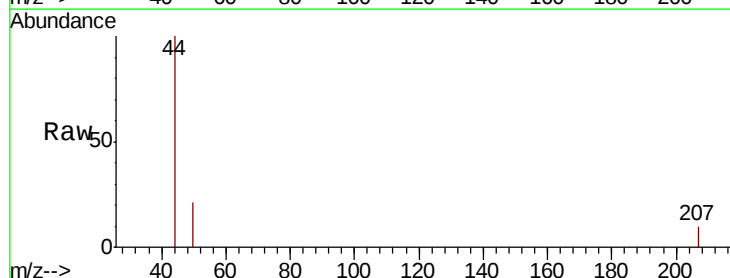
Acq: 17 Apr 2020 11:27

Tgt Ion: 50 Resp: 667

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN061006.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN061006.D (-70) (-)

2.04

400

300

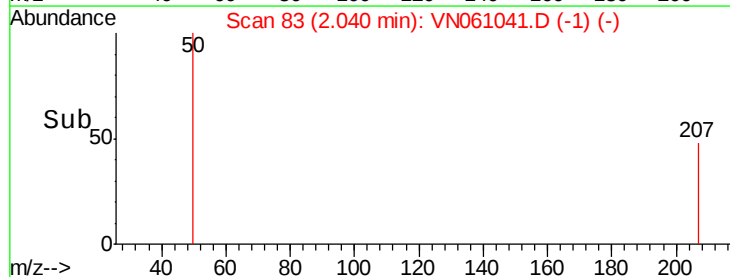
200

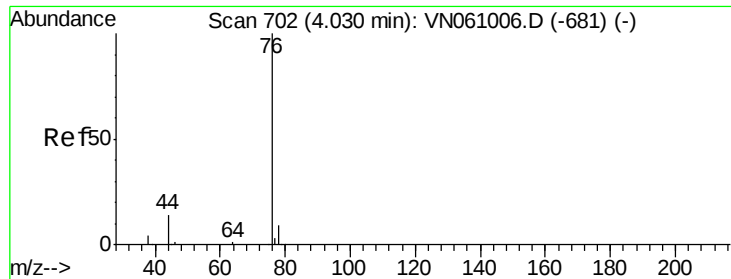
100

0

2.02 2.04 2.06

Time-->

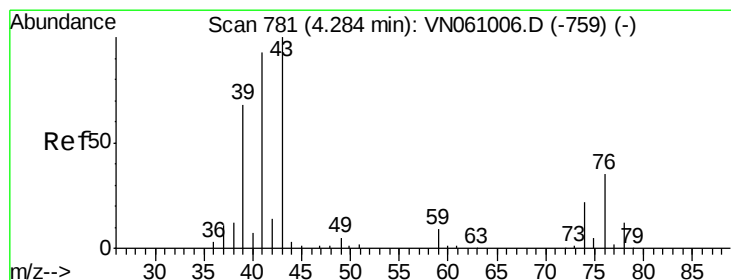
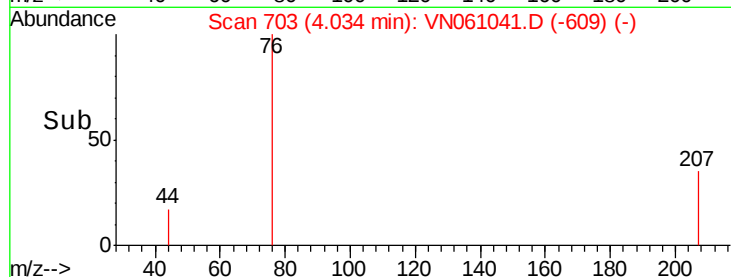
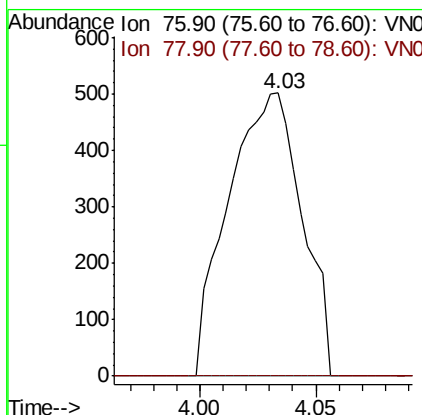
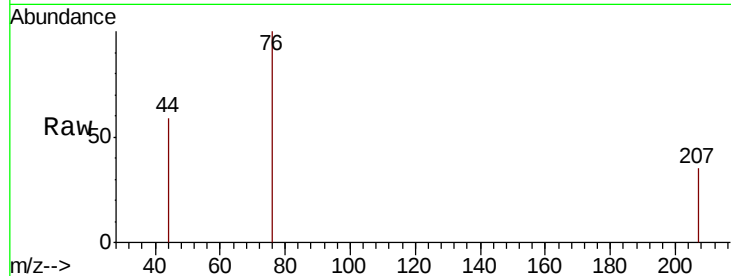




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

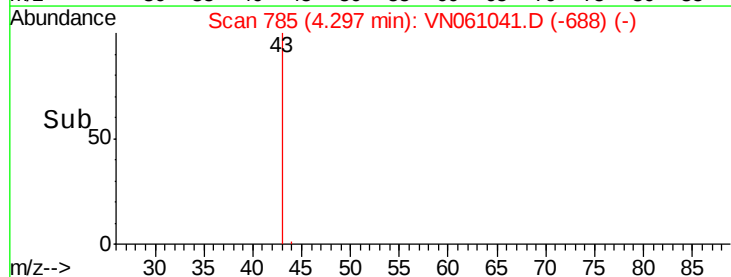
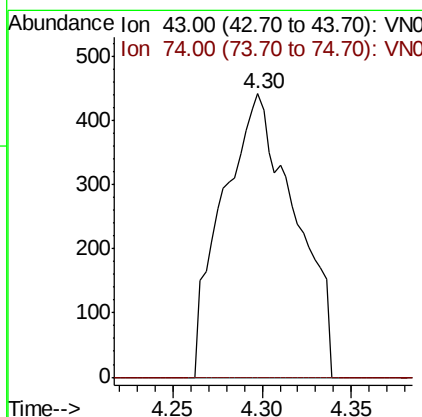
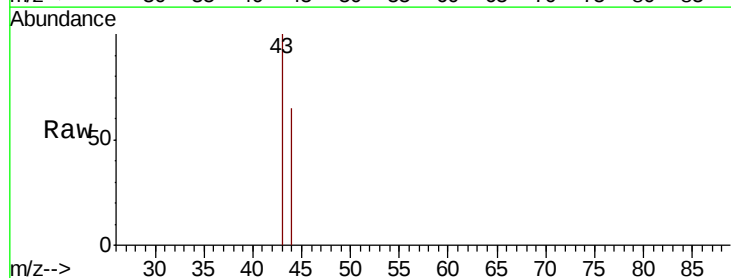
Instrument :
MSVOA_N
ClientSampled :

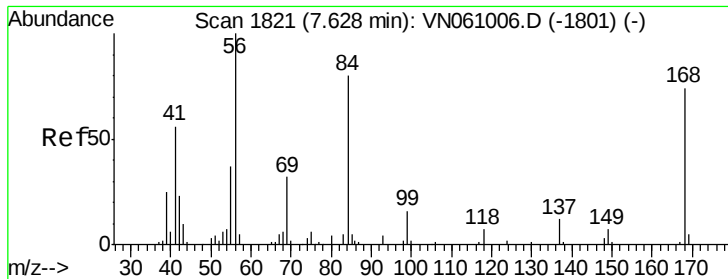
Tot Ion: 76 Resp: 1105
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#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#

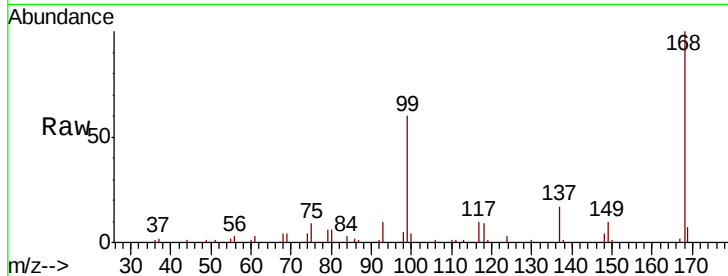




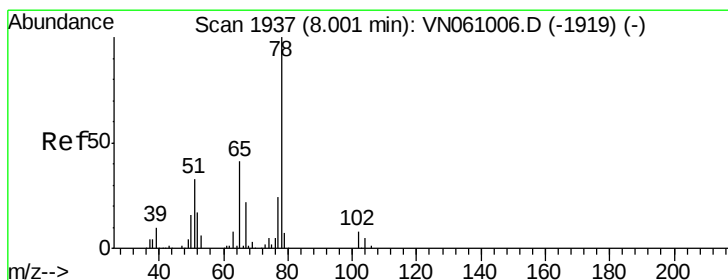
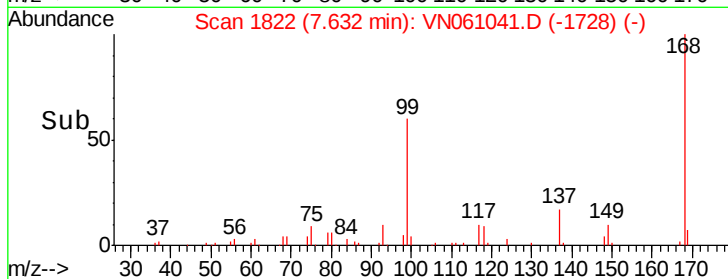
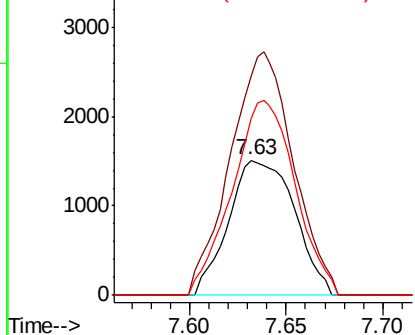
#31
Cyclohexane
Concen: 0.944 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3589
Ion Ratio Lower Upper
56 100
69 163.0 25.6 38.4#
84 131.0 63.4 95.2#

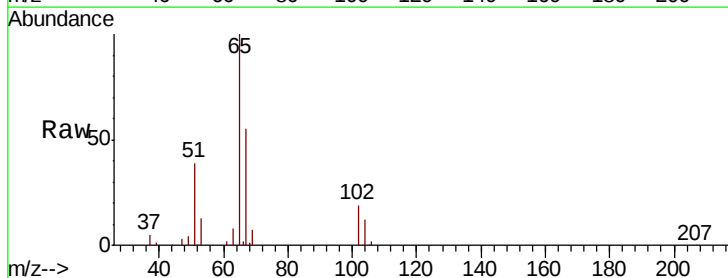


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

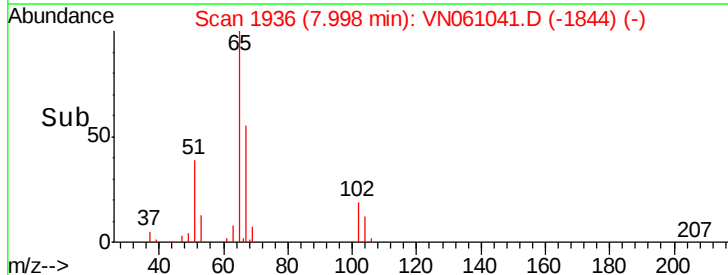
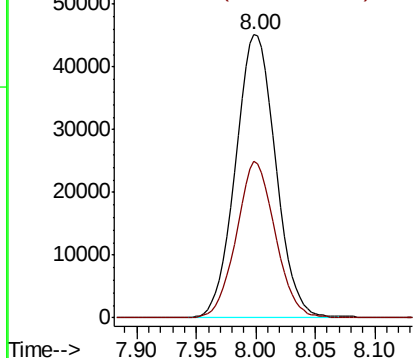


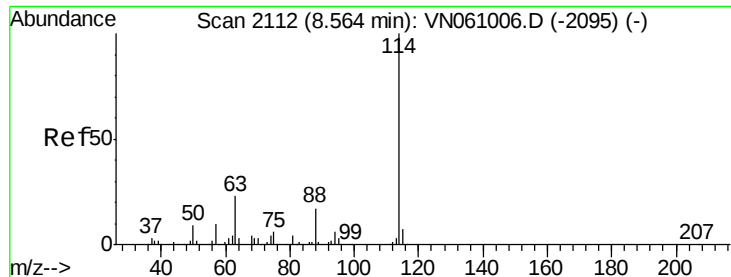
#33
1,2-Dichloroethane-d4
Concen: 51.702 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Tgt Ion: 65 Resp: 105548
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

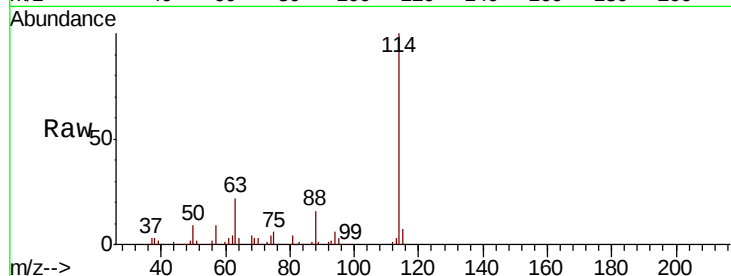




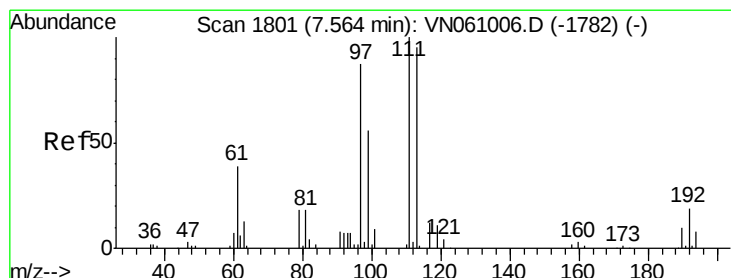
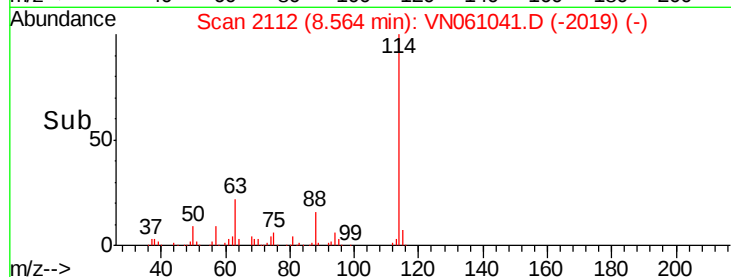
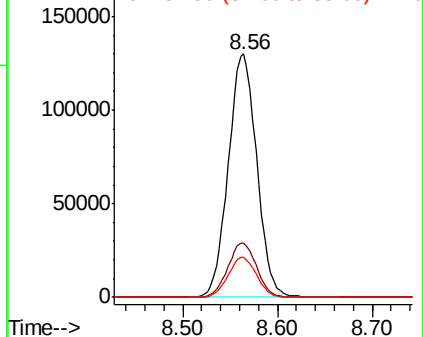
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061041.D
 Acq: 17 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.2
88	16.4	0.0	33.4

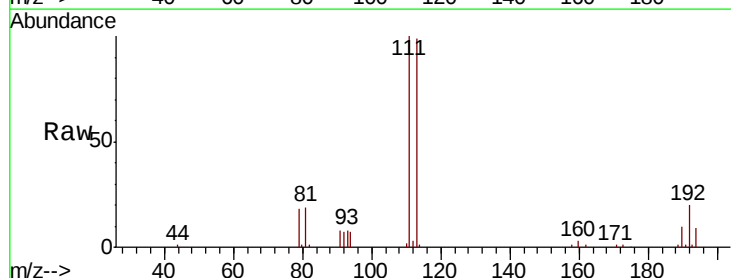


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

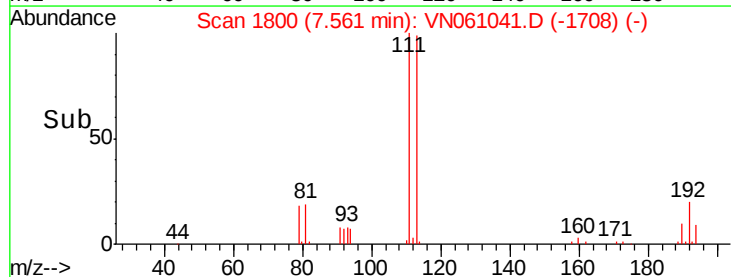
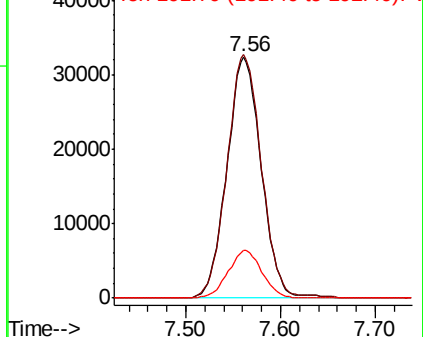


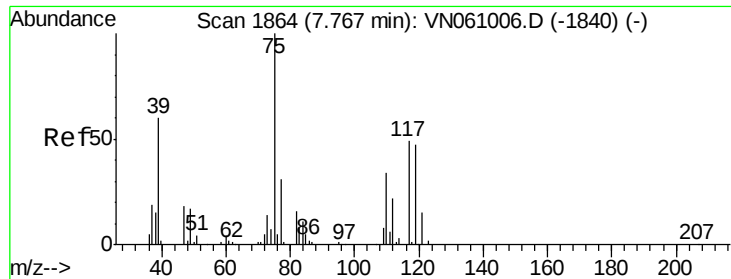
#35
 Dibromofluoromethane
 Concen: 51.330 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN061041.D
 Acq: 17 Apr 2020 11:27

Tgt Ion	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

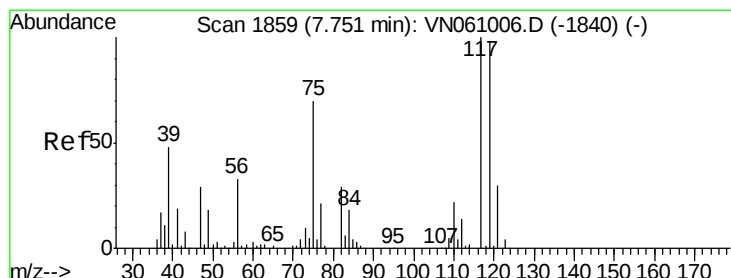
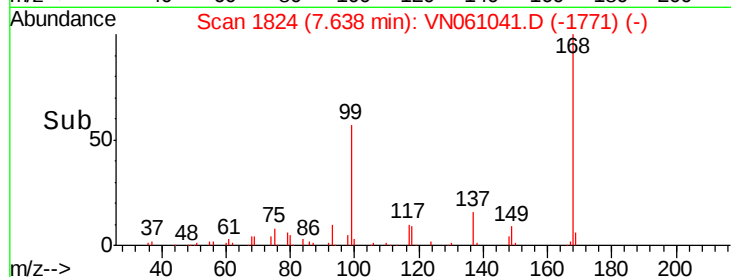
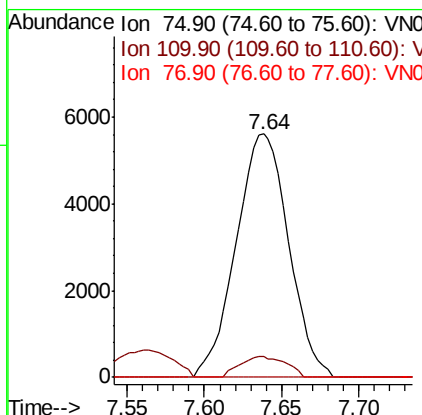
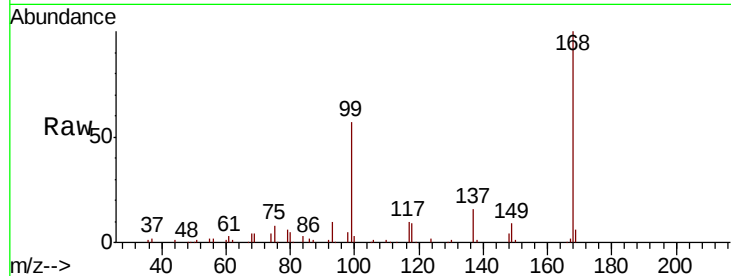




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061041.D
 Acq: 17 Apr 2020 11:27

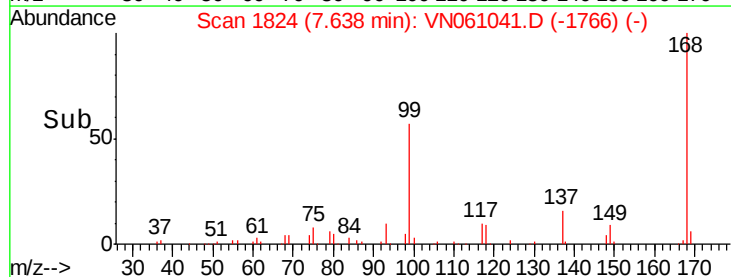
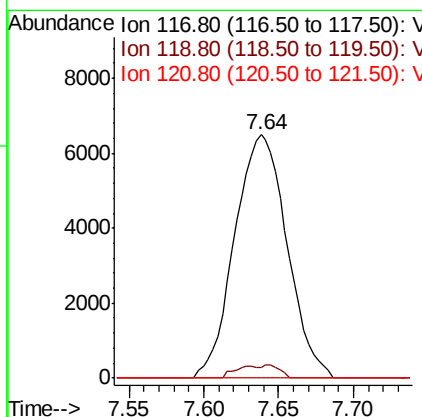
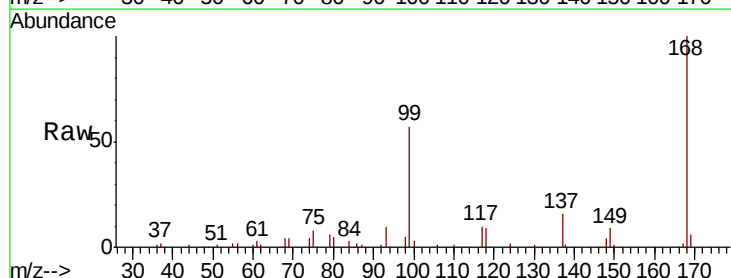
Instrument :
 MSVOA_N
 ClientSampled :

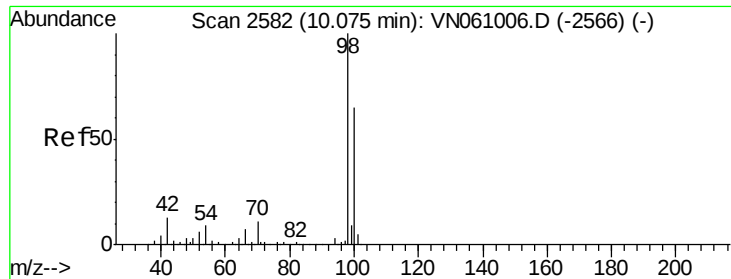
Tot Ion	75	Resp	13207
Ion Ratio	100	Lower	Upper
75	100		
110	7.5	16.8	50.3#
77	0.0	24.7	37.1#



#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	117	Resp	15789
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.6	78.1	117.1#
121	0.0	24.0	36.0#

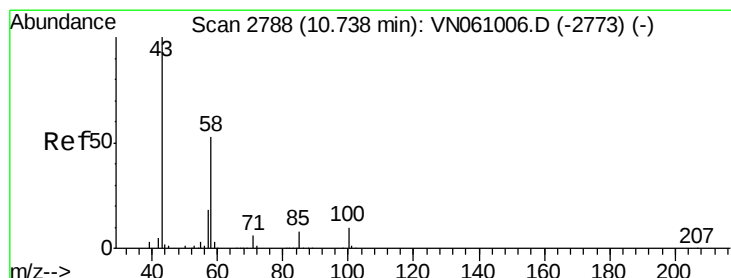
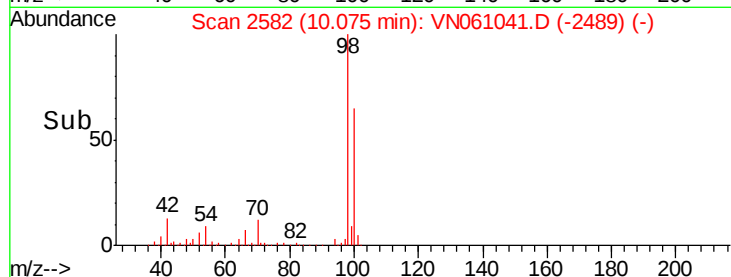
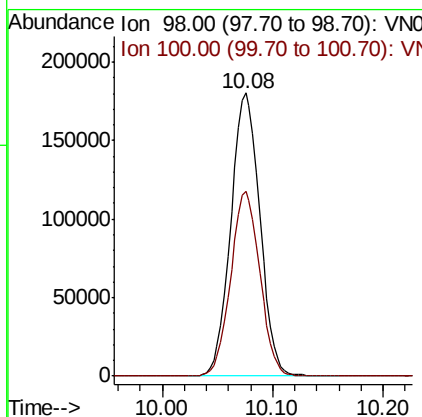
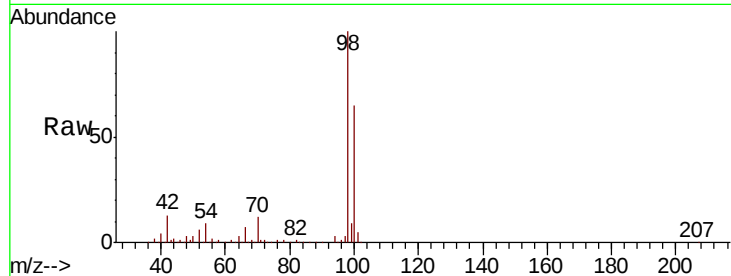




#50
Toluene-d8
Concen: 54.992 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

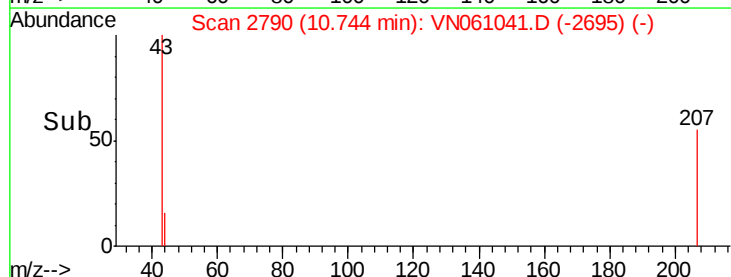
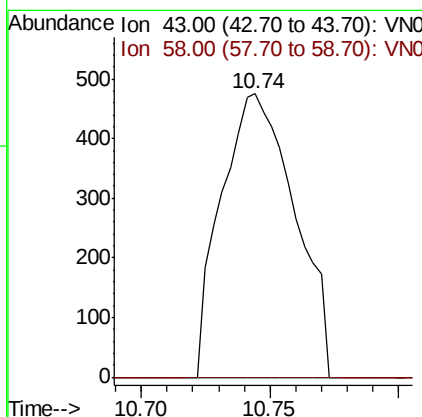
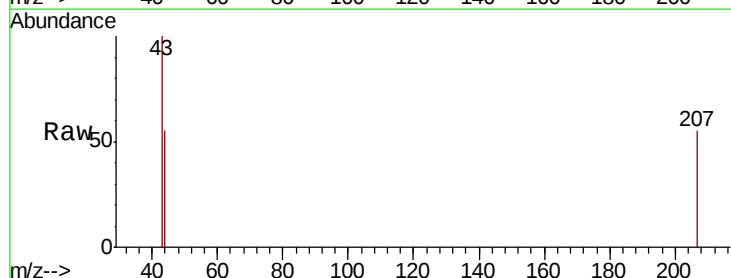
Instrument :
MSVOA_N
ClientSampled :

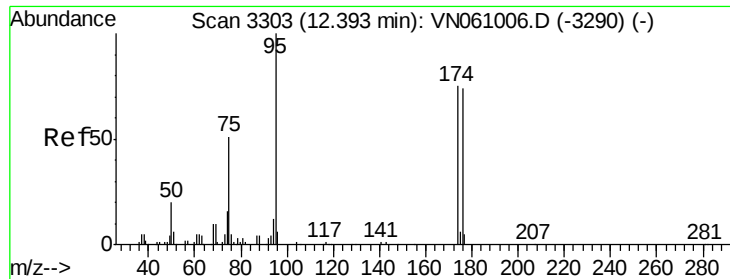
Tot Ion: 98 Resp: 330227
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#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 :

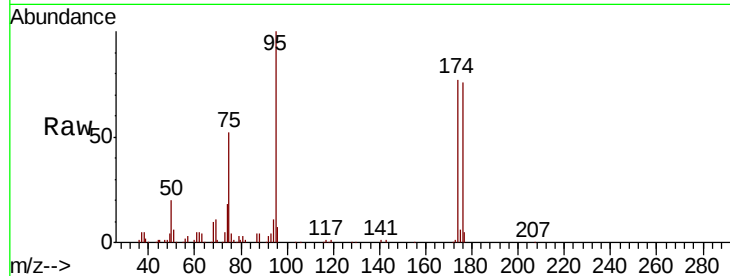
Tot Ion: 95 Resp: 114797

Ion Ratio Lower Upper

95 100

174 76.8 0.0 151.2

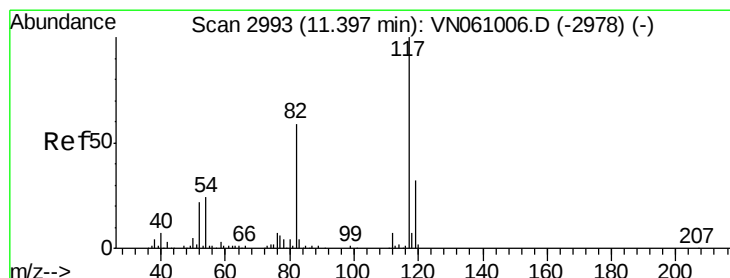
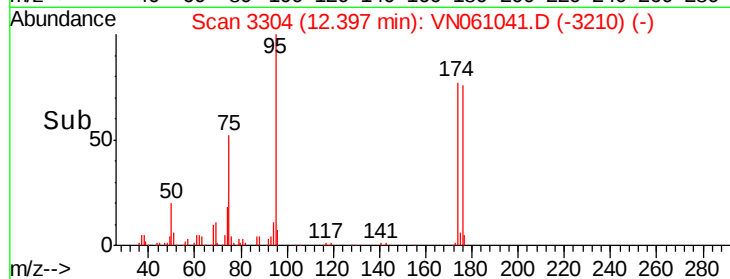
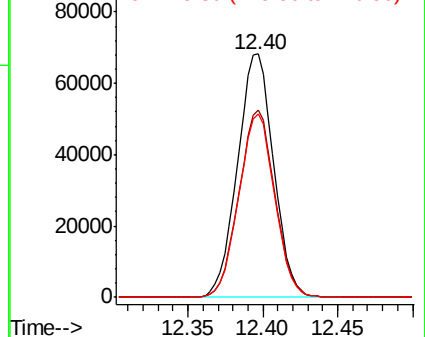
176 74.7 0.0 148.2



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) (-)



#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

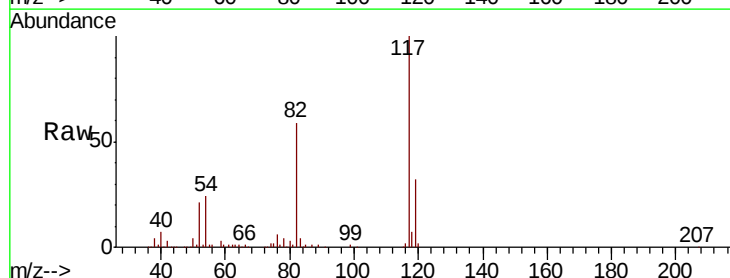
Tgt Ion: 117 Resp: 244562

Ion Ratio Lower Upper

117 100

82 58.9 47.1 70.7

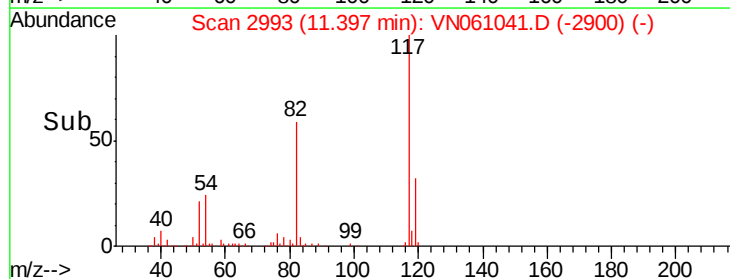
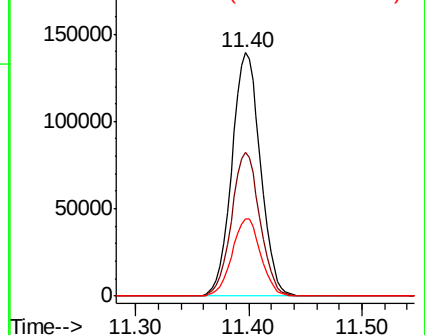
119 31.8 25.7 38.5

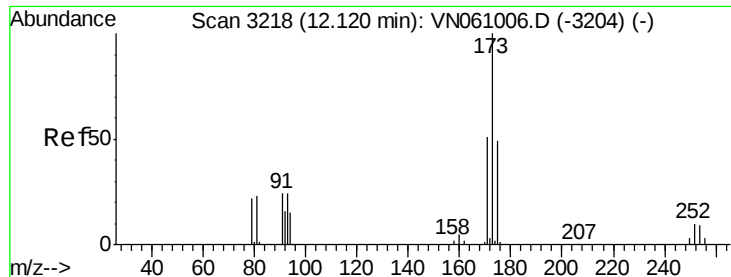


Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)

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

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





#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 :

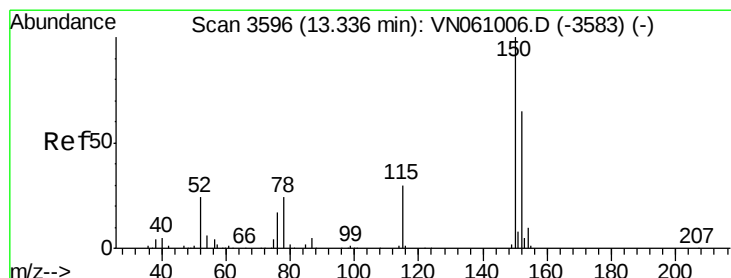
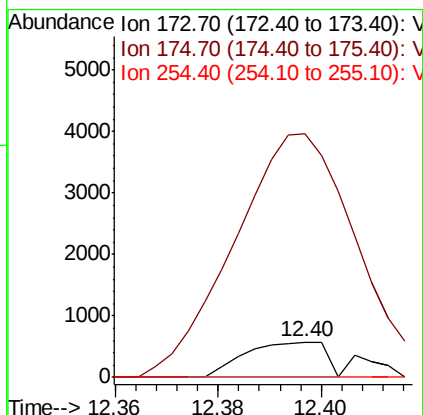
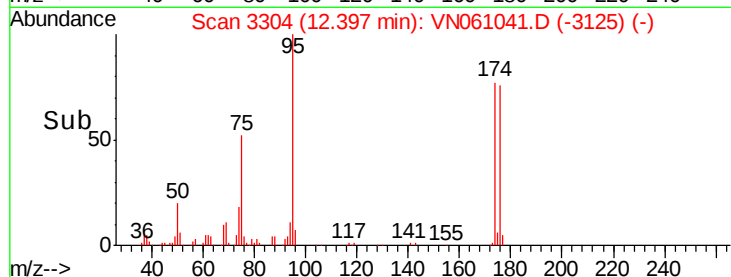
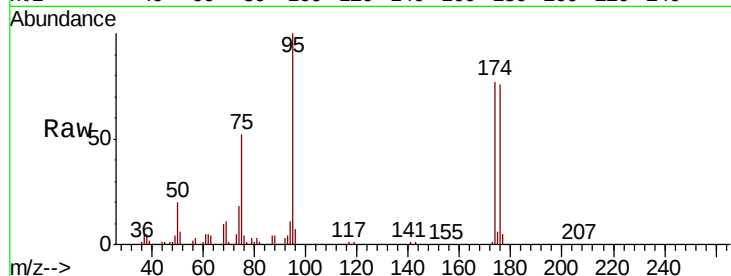
Tot Ion:173 Resp: 618

Ion Ratio Lower Upper

173 100

175 934.3 24.5 73.5#

254 0.0 0.0 0.0



#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

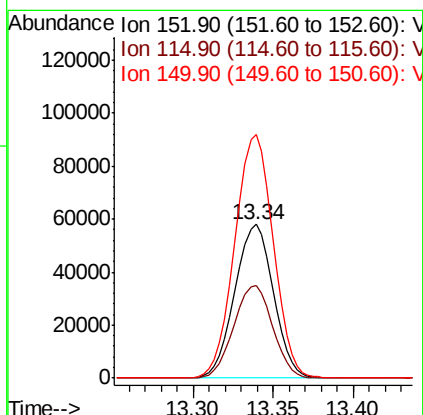
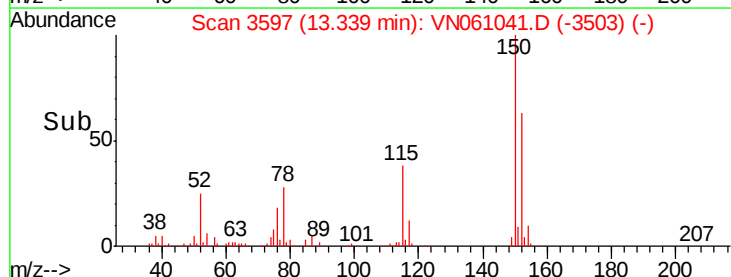
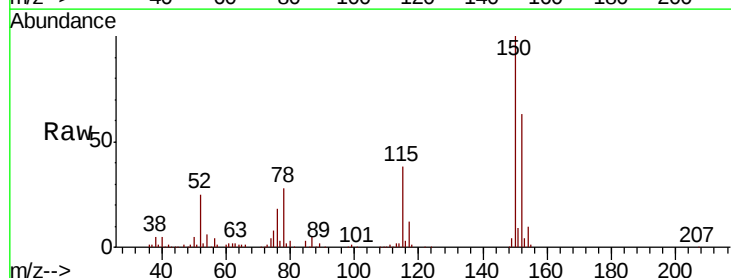
Tgt Ion:152 Resp: 95640

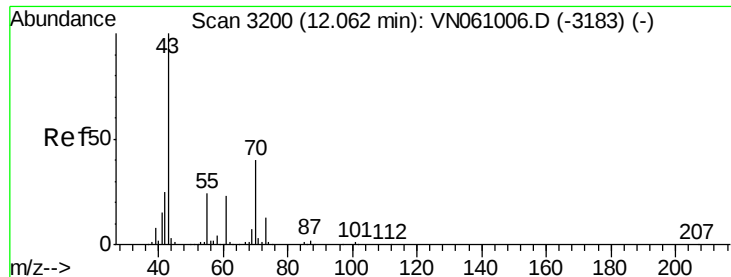
Ion Ratio Lower Upper

152 100

115 60.6 30.8 92.4

150 157.8 0.0 349.0





#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 :

Tot Ion: 43 Resp: 901

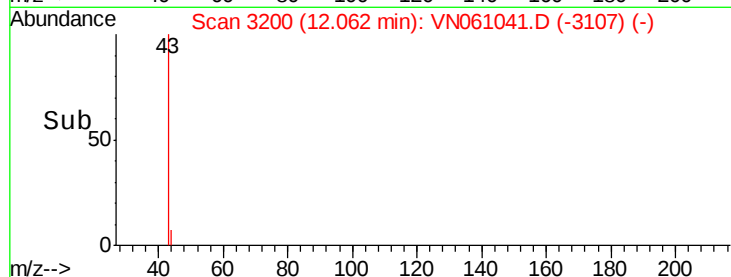
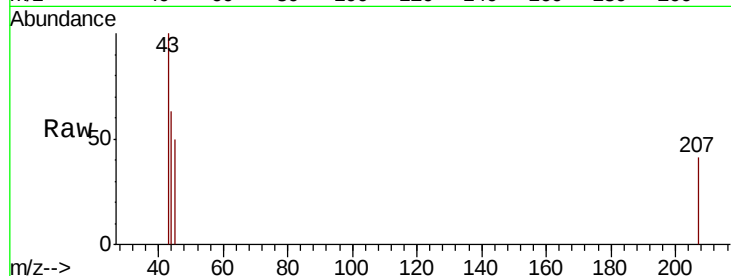
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.6 27.8#

61 0.0 18.2 27.4#

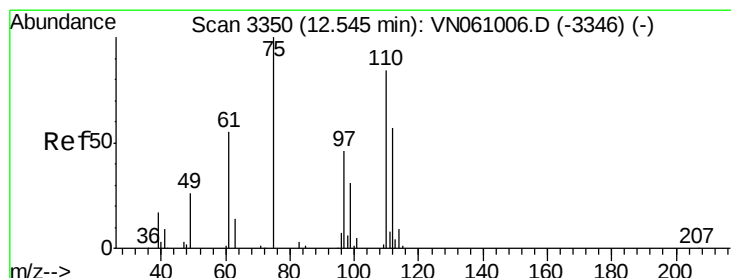
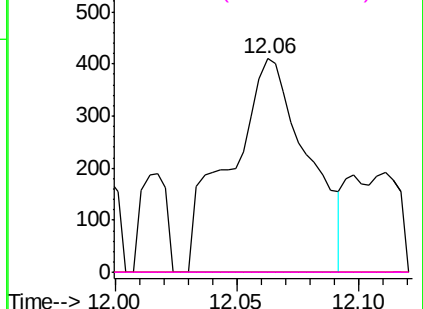


Abundance Ion 43.00 (42.70 to 43.70): VN061041.D (-3107) (-)

Ion 70.00 (69.70 to 70.70): VN061041.D (-3107) (-)

Ion 55.00 (54.70 to 55.70): VN061041.D (-3107) (-)

Ion 61.00 (60.70 to 61.70): VN061041.D (-3107) (-)



#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

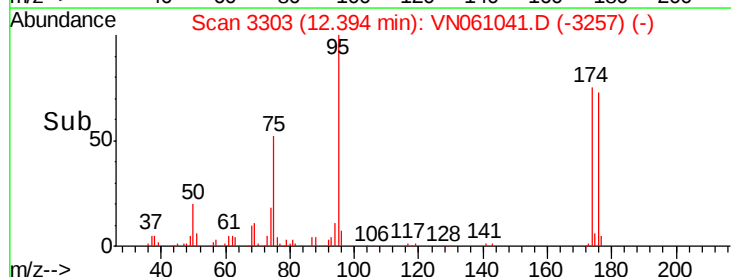
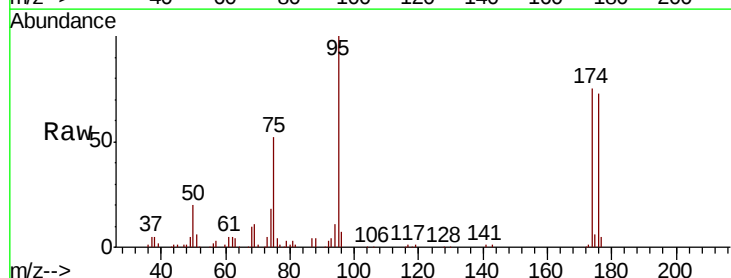
Acq: 17 Apr 2020 11:27

Tgt Ion: 75 Resp: 58837

Ion Ratio Lower Upper

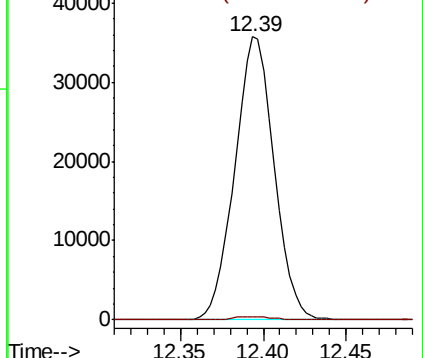
75 100

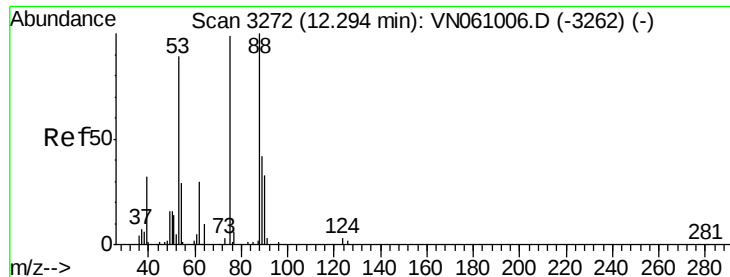
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061041.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061041.D (-3257) (-)

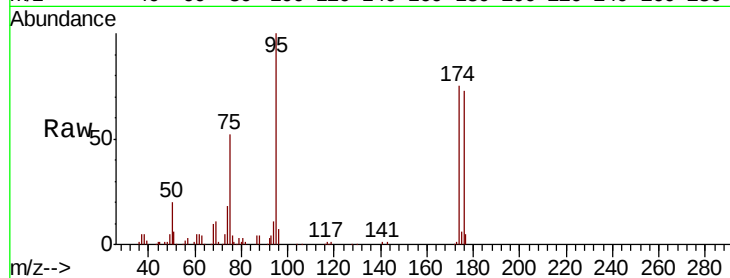




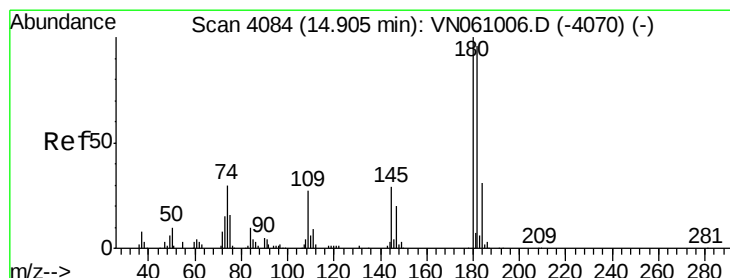
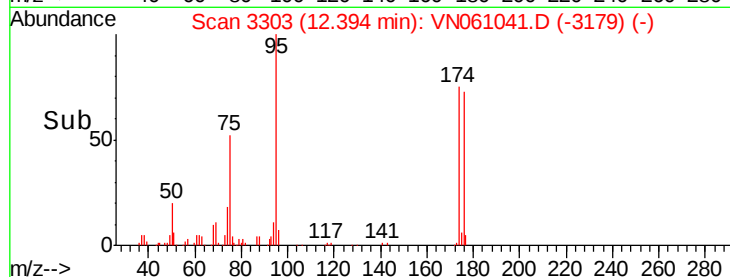
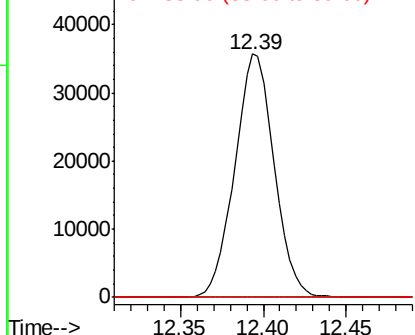
#81
trans-1,4-Dichloro-2-butene
Concen: 68.987 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.10 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampled :

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#

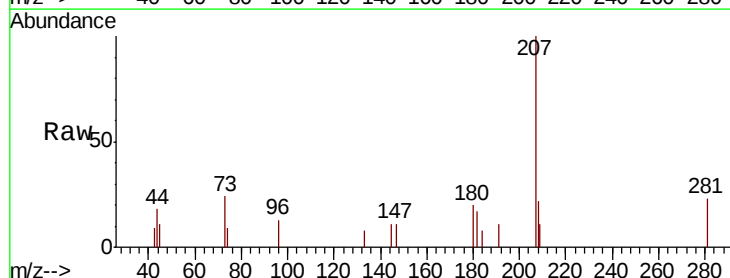


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

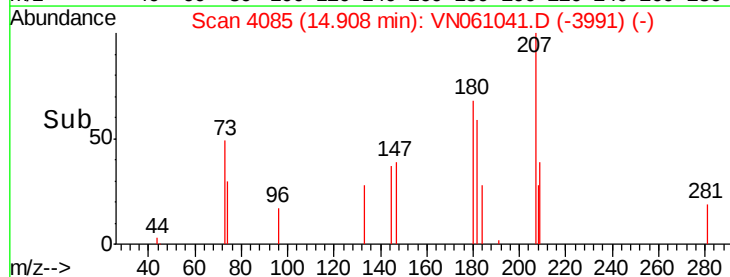
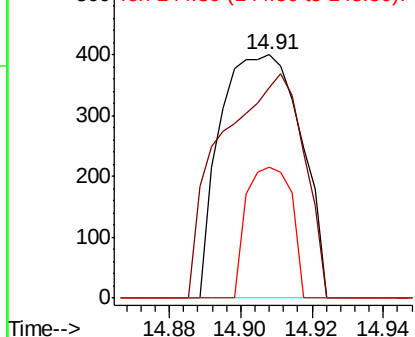


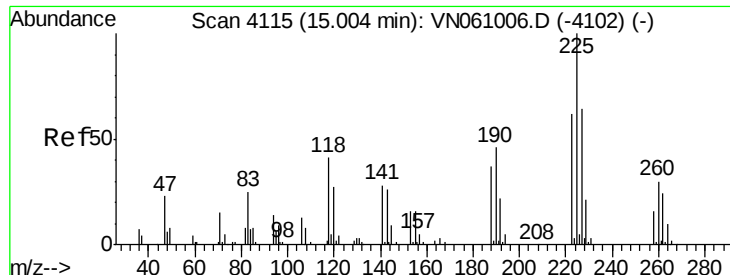
#93
1,2,4-Trichlorobenzene
Concen: 0.345 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN061041.D
Acq: 17 Apr 2020 11:27

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): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#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 :

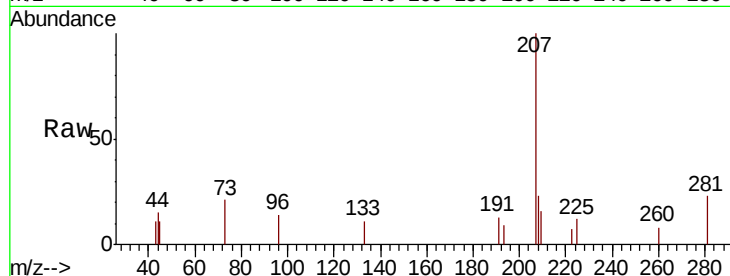
Tot Ion:225 Resp: 203

Ion Ratio Lower Upper

225 100

223 14.3 31.3 93.8#

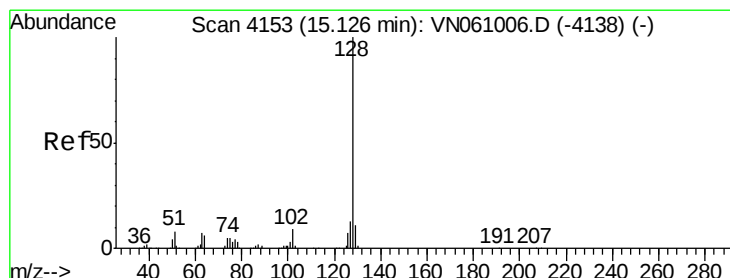
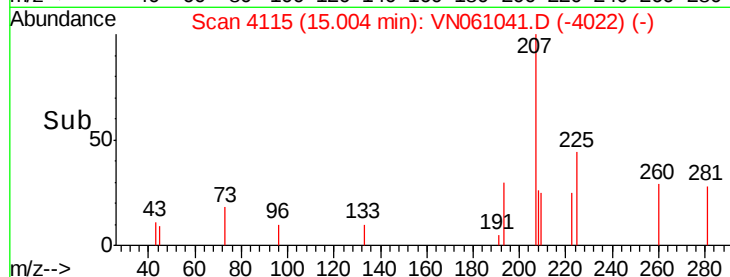
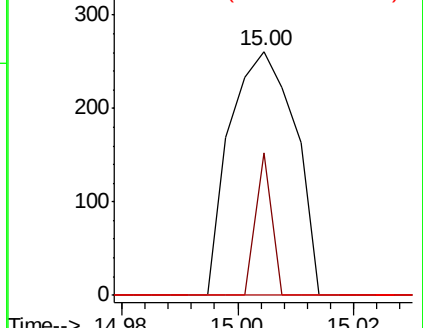
227 0.0 31.9 95.5#



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



#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

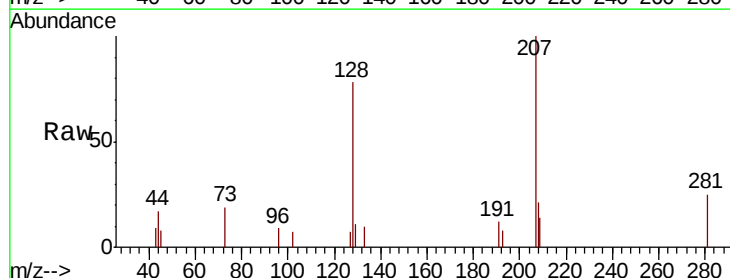
Tgt Ion:128 Resp: 3047

Ion Ratio Lower Upper

128 100

127 7.9 10.2 15.4#

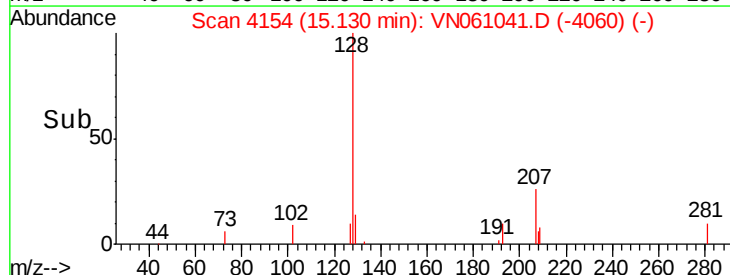
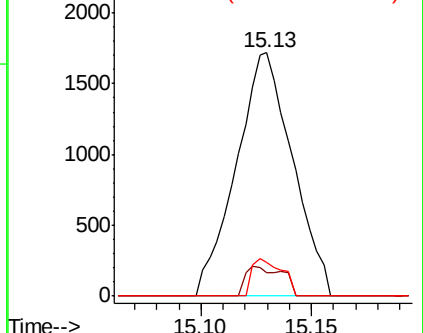
129 8.1 8.6 13.0#

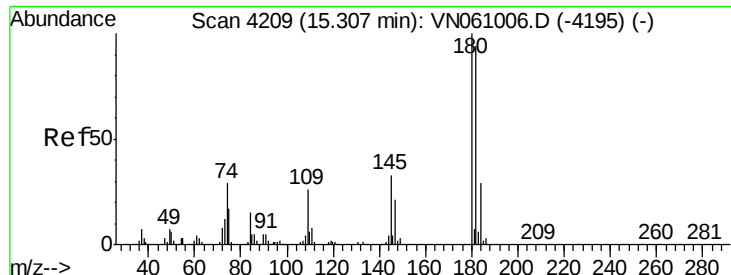


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#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 :

Tot Ion:	180	Resp:	970
Ion	Ratio	Lower	Upper
180	100		
182	78.9	47.6	142.8
145	22.8	16.4	49.2

