

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059781.D
 Acq On : 20 Jan 2020 12:53
 Operator : JC/MD
 Sample : L1181-01
 Misc : 14.47u/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	282135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	240706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106115	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	99363	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	7.56	113	83666	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.08	98	325833	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	107911	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

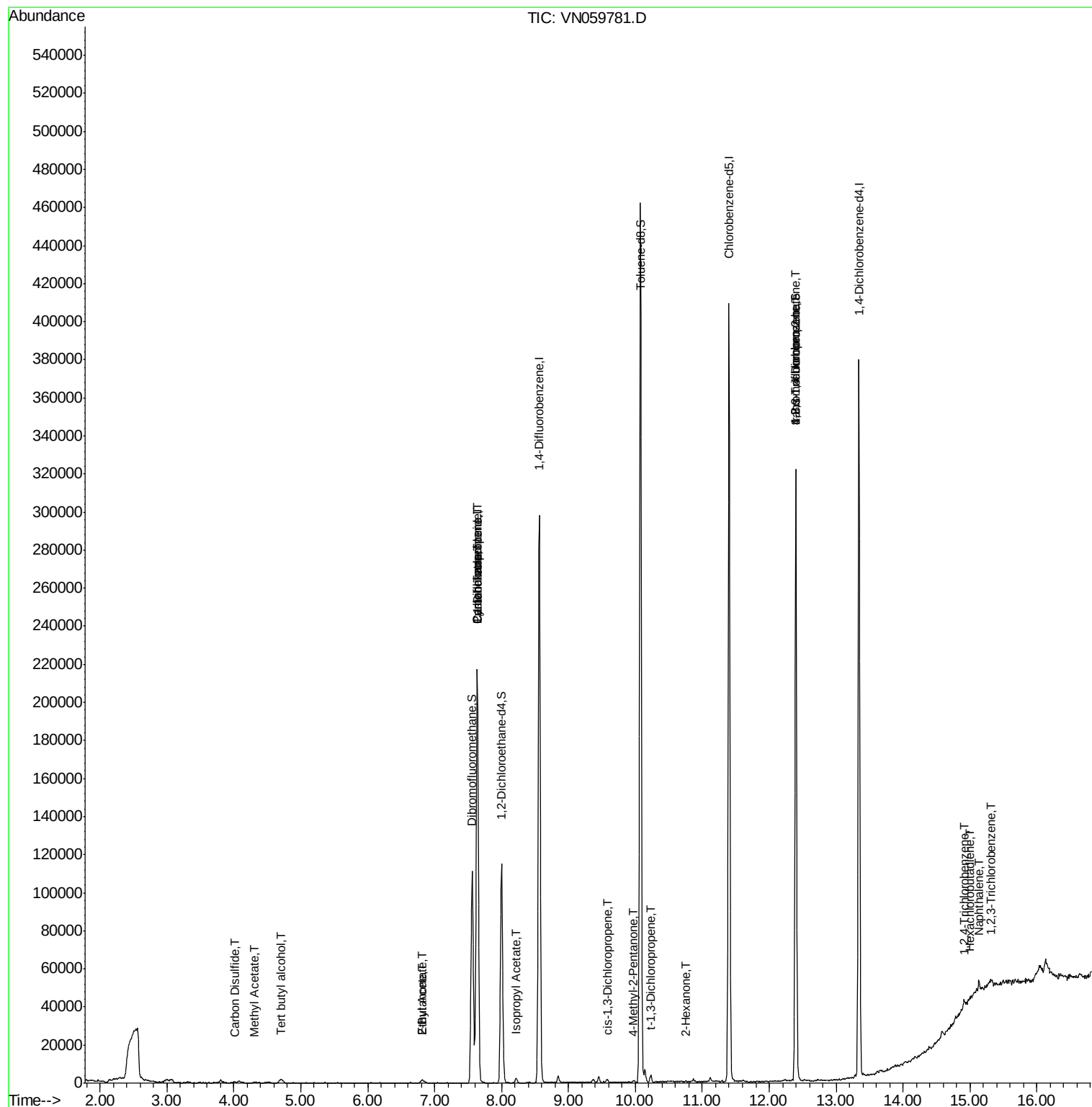
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	1797	5.090	ug/l #	72
16) Acetone	3.80	43	3039	Below Cal		99
17) Carbon Disulfide	4.01	76	1017	0.207	ug/l #	75
18) Methyl Acetate	4.30	43	575	0.235	ug/l #	54
20) Methylene Chloride	4.51	84	225	Below Cal	#	10
25) 2-Butanone	6.81	43	993	0.836	ug/l	92
31) Cyclohexane	7.63	56	3599	1.160	ug/l #	4
36) 1,1-Dichloropropene	7.63	75	12730	5.181	ug/l #	51
37) Ethyl Acetate	6.81	43	993	0.431	ug/l #	69
38) Carbon Tetrachloride	7.64	117	16850	6.305	ug/l #	16
43) Isopropyl Acetate	8.22	43	1136	0.287	ug/l #	56
51) 4-Methyl-2-Pentanone	9.97	43	797	0.348	ug/l #	38
53) t-1,3-Dichloropropene	10.23	75	2772	0.963	ug/l #	43
54) cis-1,3-Dichloropropene	9.58	75	1385	0.457	ug/l #	30
59) 2-Hexanone	10.75	43	360	0.213	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	54054	30.269	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	54054	65.002	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.25	75	185	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1293	0.636	ug/l	90
94) Hexachlorobutadiene	15.00	225	300	0.268	ug/l #	67
95) Naphthalene	15.13	128	4729	0.818	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	1694	0.856	ug/l	87

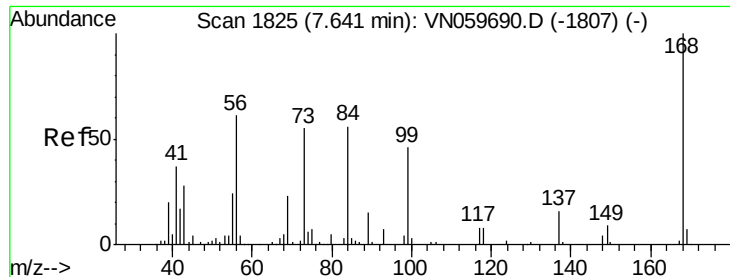
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN059781.D
Acq On : 20 Jan 2020 12:53
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Sample : L1181-01
Misc : 14.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 21 01:16:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN059781.D

Acq: 20 Jan 2020 12:53

Instrument :

MSVOA_N

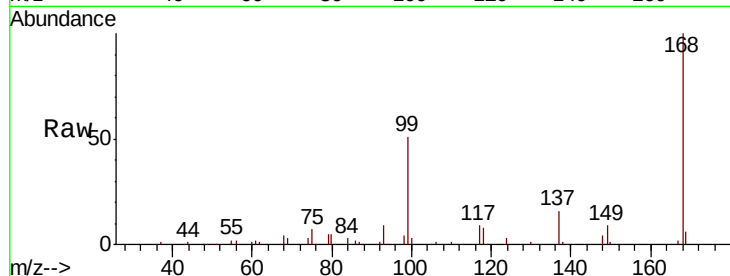
ClientSampleId :

Tot Ion:168 Resp: 188829

Ion Ratio Lower Upper

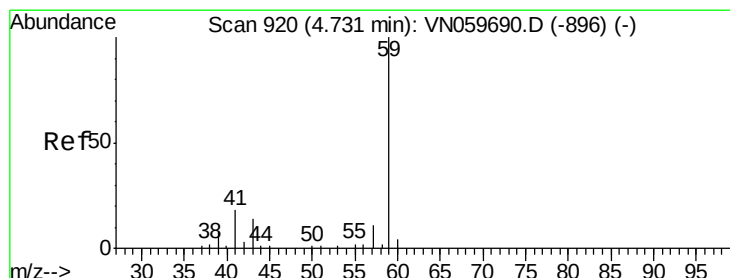
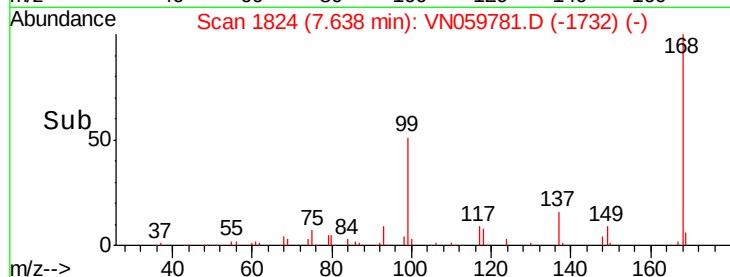
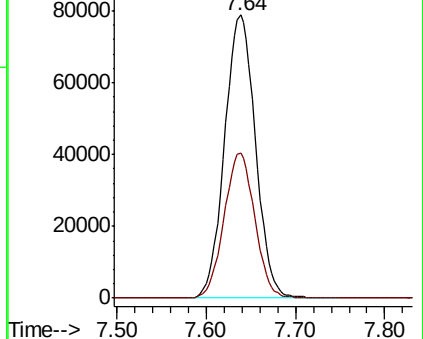
168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#11

Tert butyl alcohol

Concen: 5.090 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.03 min

Lab File: VN059781.D

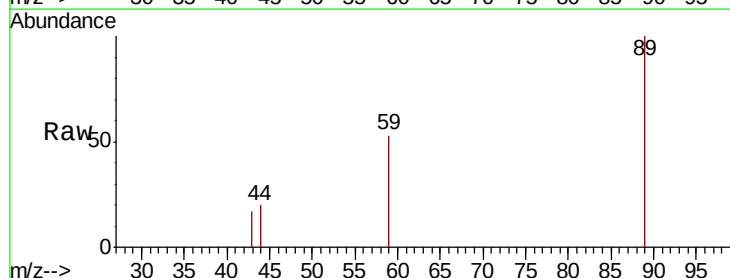
Acq: 20 Jan 2020 12:53

Tgt Ion: 59 Resp: 1797

Ion Ratio Lower Upper

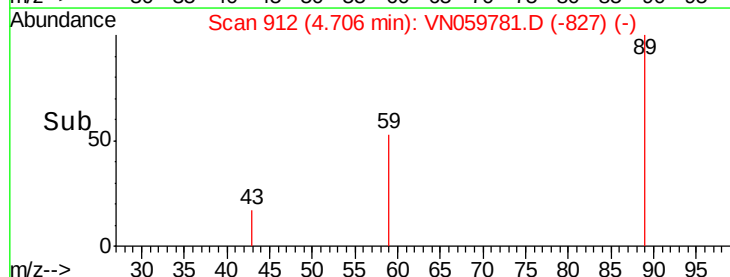
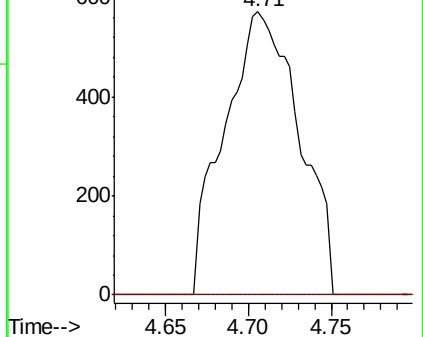
59 100

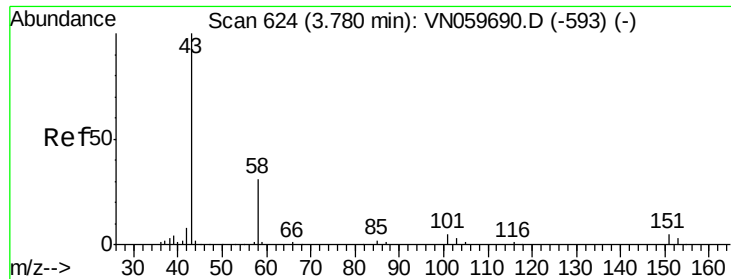
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059690.D (-896) (-)

Ion 57.00 (56.70 to 57.70): VN059690.D (-896) (-)





#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059781.D

Acq: 20 Jan 2020 12:53

Instrument :

MSVOA_N

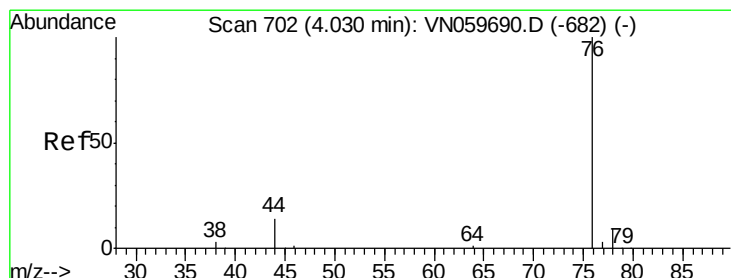
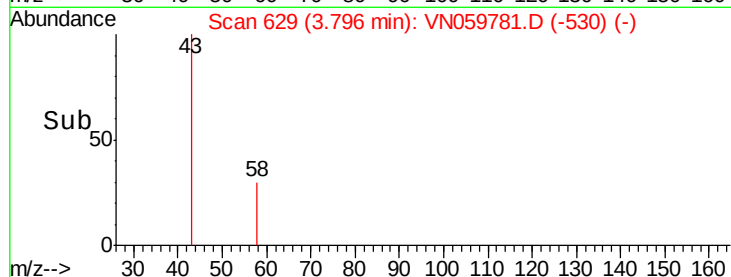
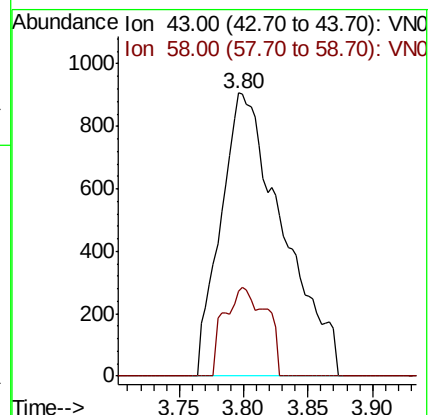
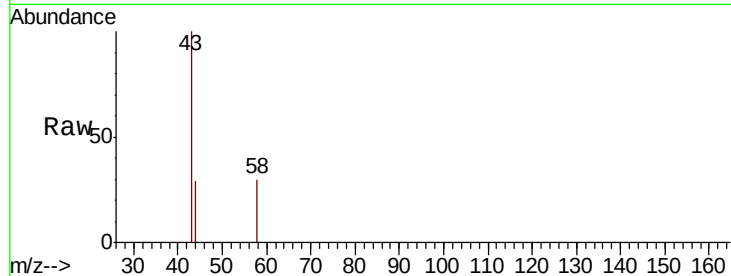
ClientSampleId :

Tot Ion: 43 Resp: 3039

Ion Ratio Lower Upper

43 100

58 29.9 23.6 35.4



#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.02 min

Lab File: VN059781.D

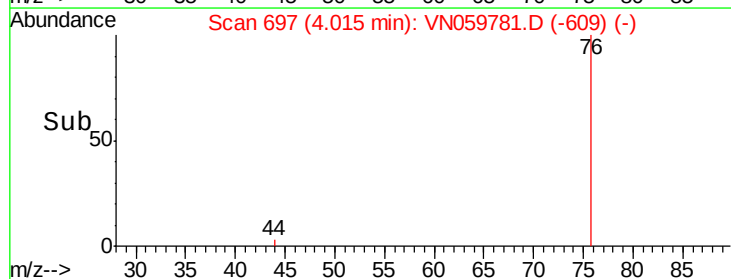
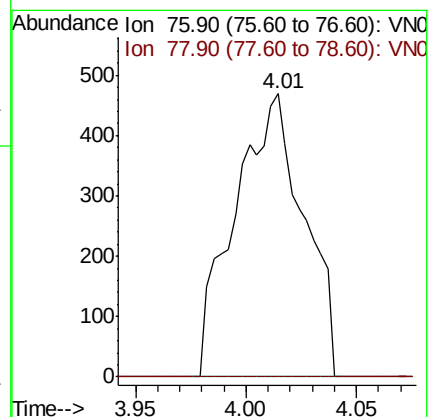
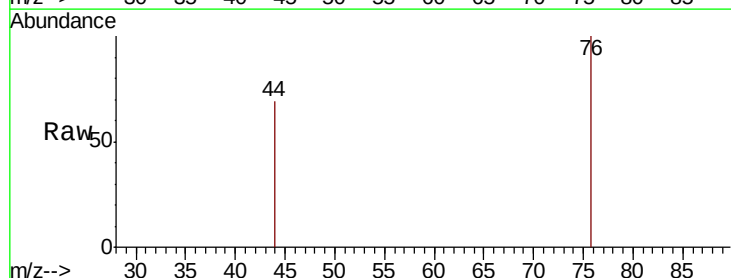
Acq: 20 Jan 2020 12:53

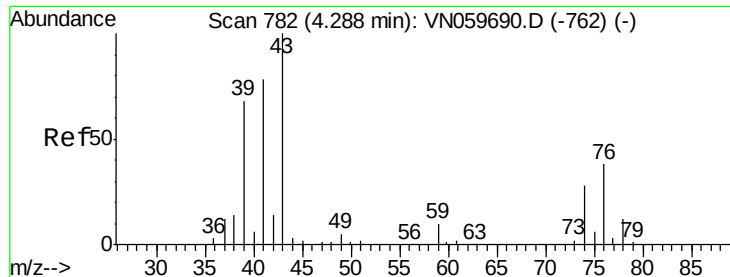
Tgt Ion: 76 Resp: 1017

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

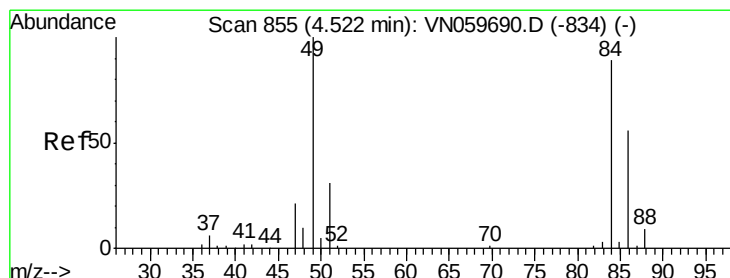
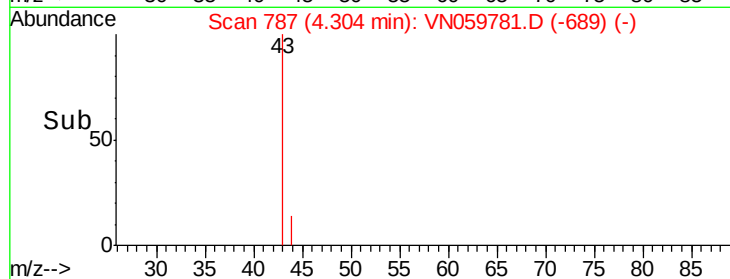
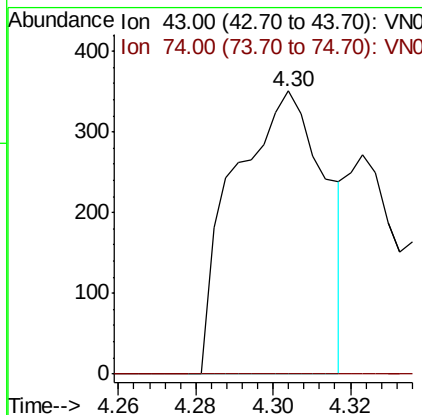
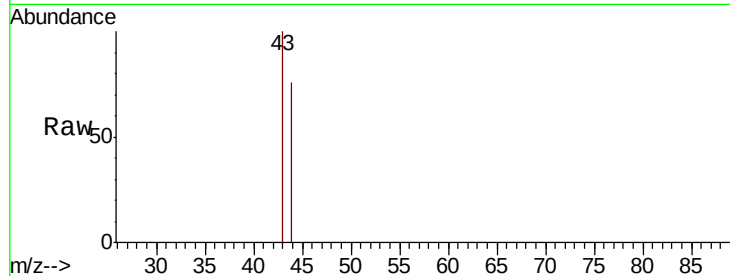




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

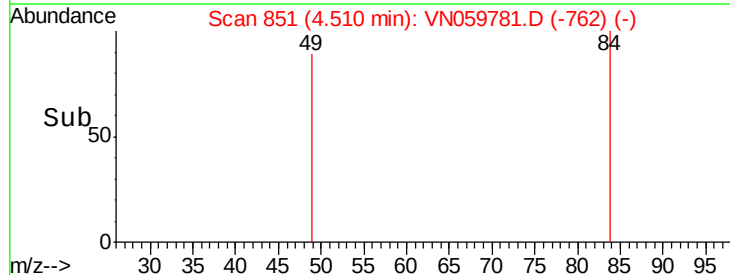
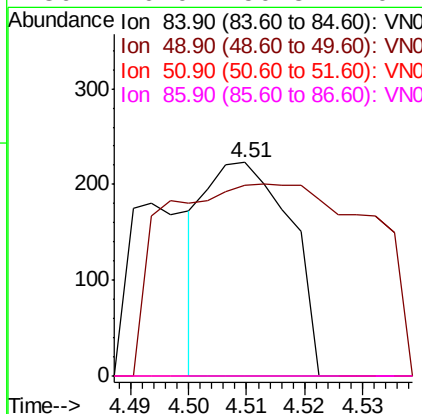
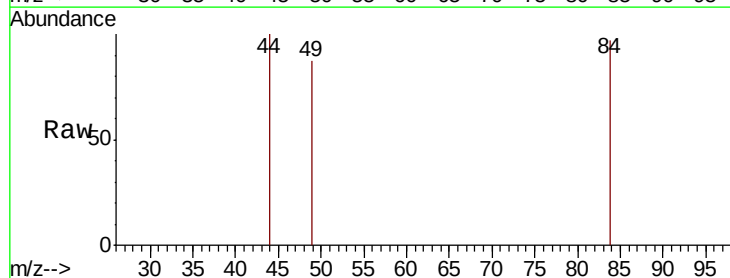
Instrument :
MSVOA_N
ClientSampled :

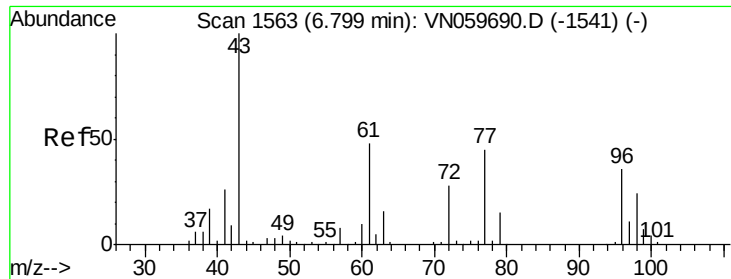
Tot Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Tgt Ion: 84 Resp: 225
Ion Ratio Lower Upper
84 100
49 13.5 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#

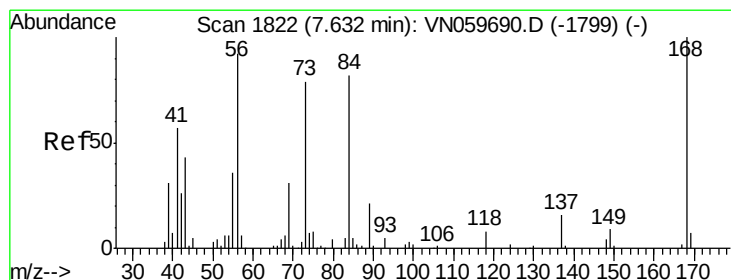
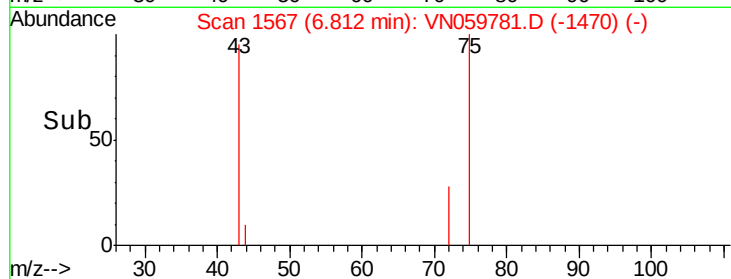
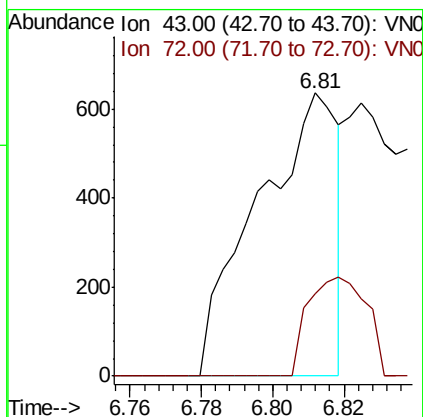
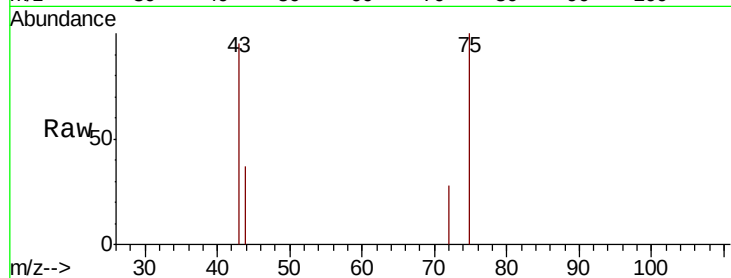




#25
2-Butanone
Concen: 0.836 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

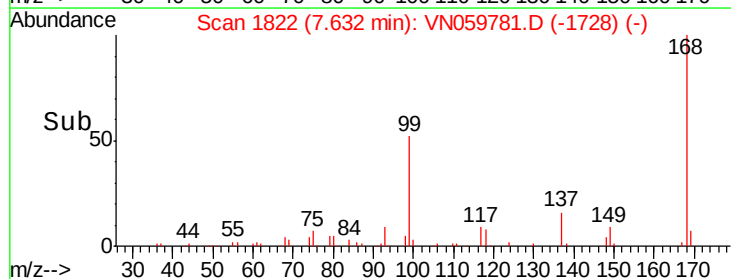
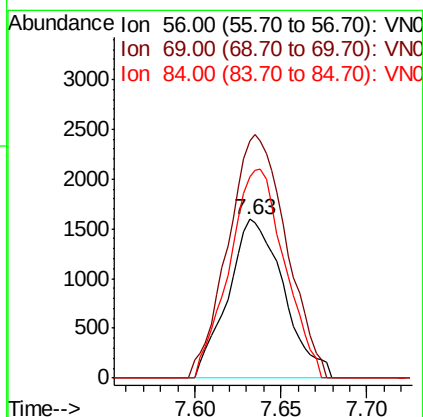
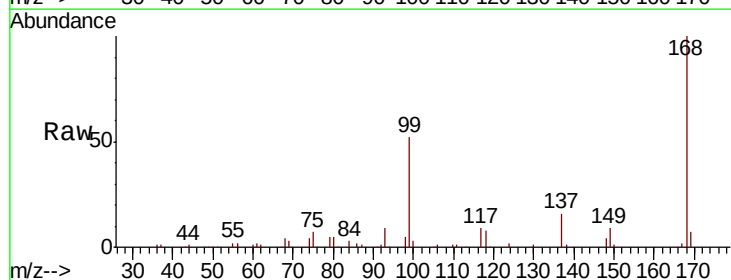
Instrument :
MSVOA_N
ClientSampleId :

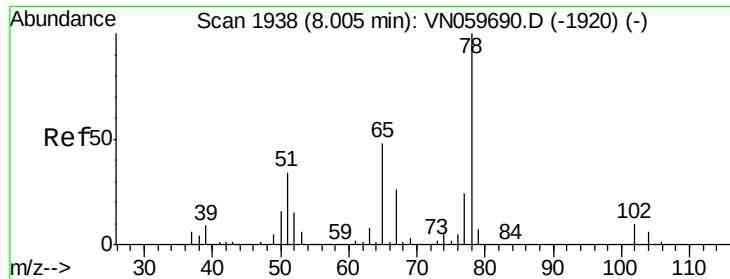
Tot Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
72 29.1 19.9 29.9



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Tgt Ion: 56 Resp: 3599
Ion Ratio Lower Upper
56 100
69 149.4 26.5 39.7#
84 127.1 65.3 97.9#

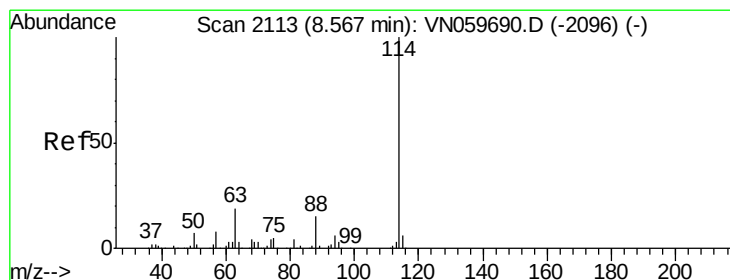
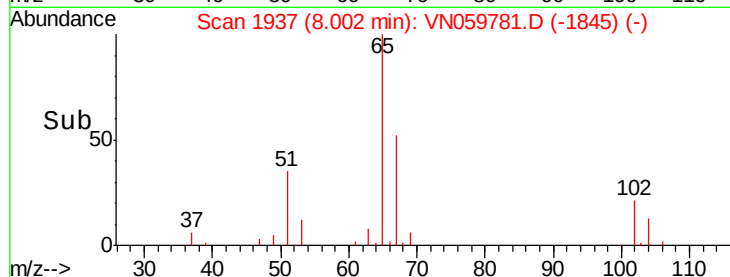
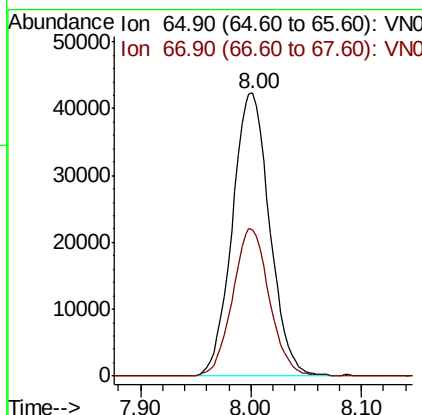
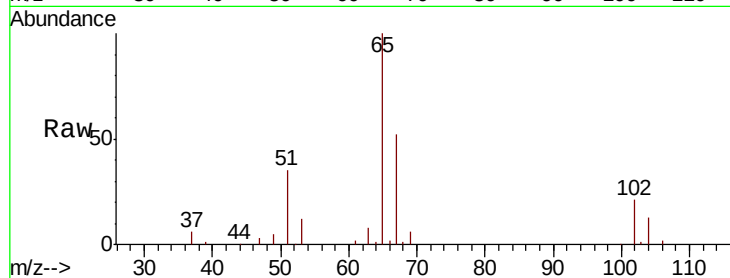




#33
 1,2-Dichloroethane-d4
 Concen: 47.384 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

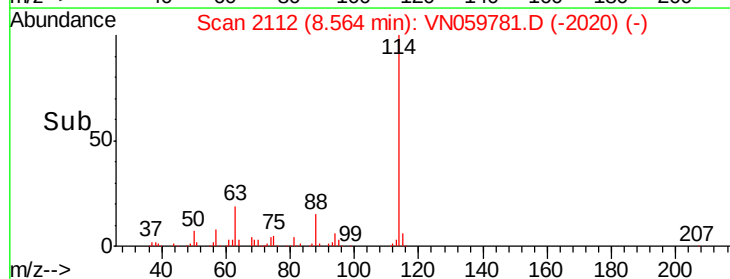
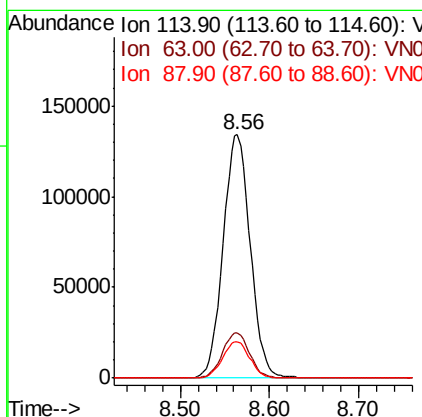
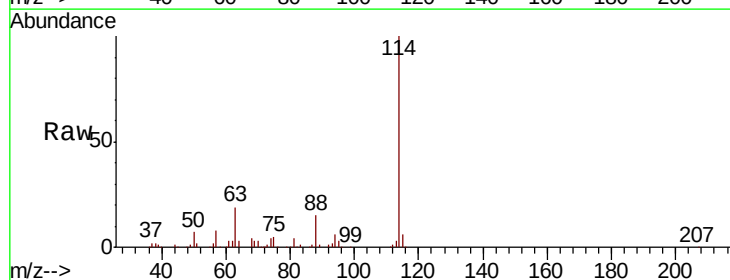
Instrument :
 MSVOA_N
 ClientSampleId :

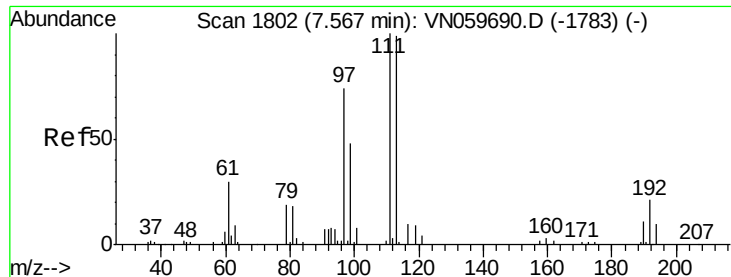
Tot Ion: 65 Resp: 99363
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

Tgt Ion: 114 Resp: 282135
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 15.1 0.0 31.4

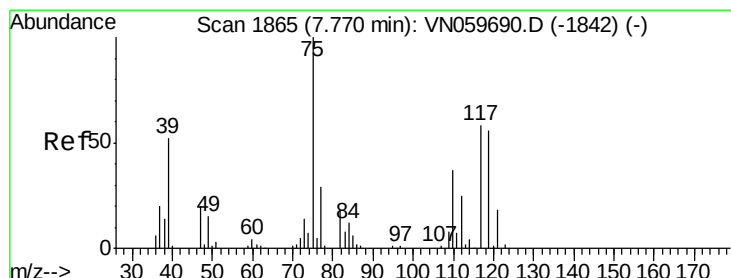
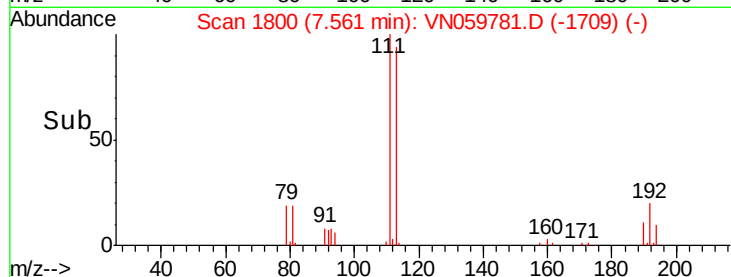
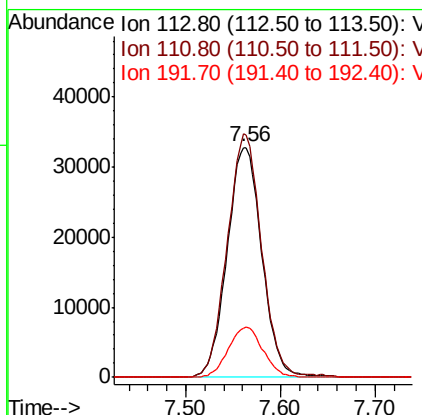
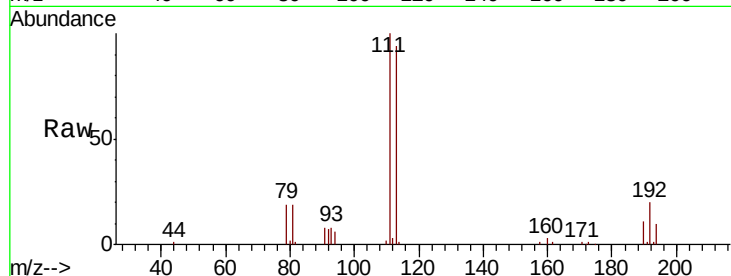




#35
 Dibromofluoromethane
 Concen: 49.727 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

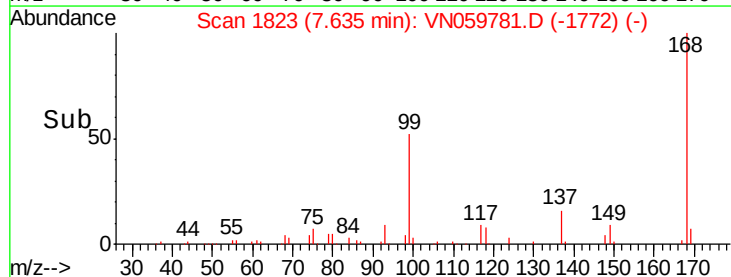
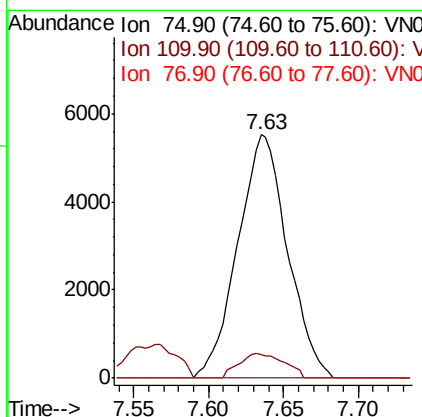
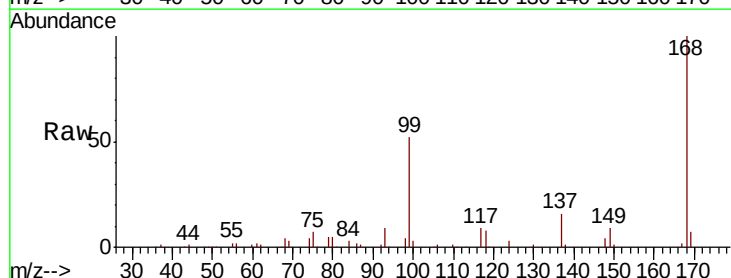
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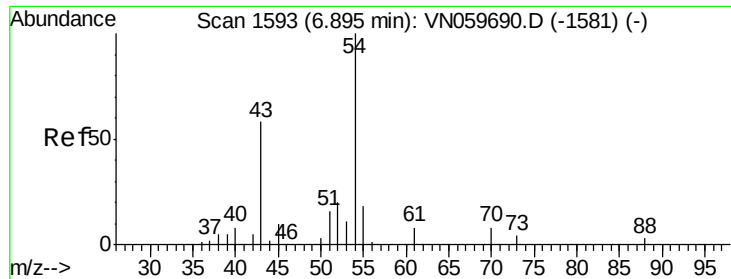
Tot Ion:113 Resp: 83666
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.5 125.3
 192 21.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.181 ug/l
 RT: 7.63 min Scan# 1823
 Delta R.T. -0.13 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

Tgt Ion: 75 Resp: 12730
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.6 49.7#
 77 0.0 25.1 37.7#

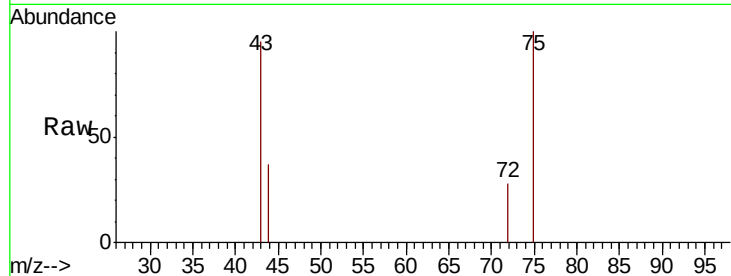




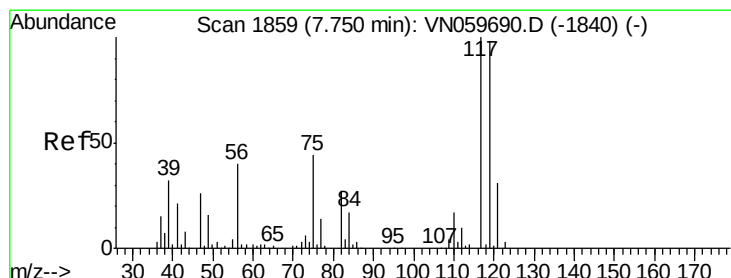
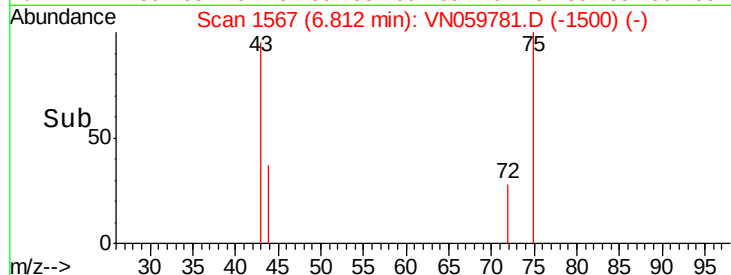
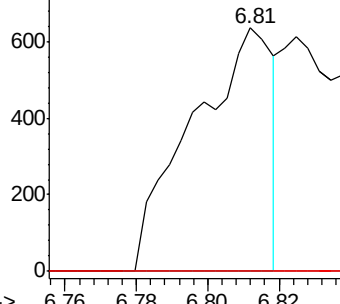
#37
Ethyl Acetate
Concen: 0.431 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

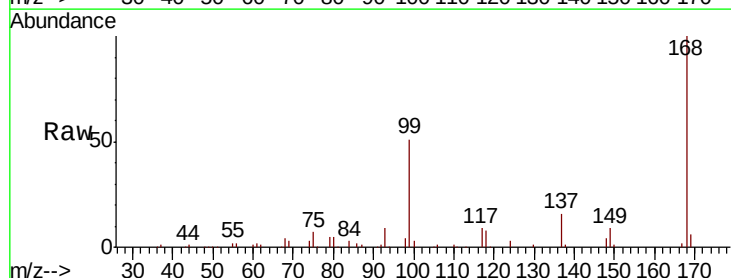


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

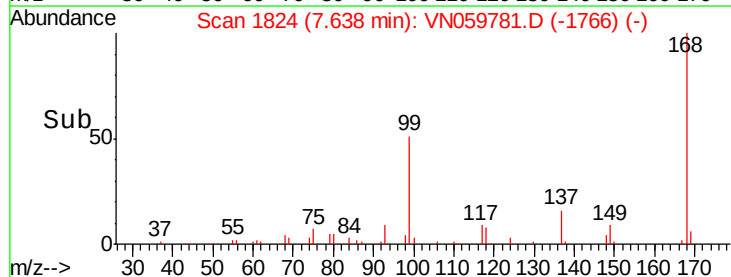
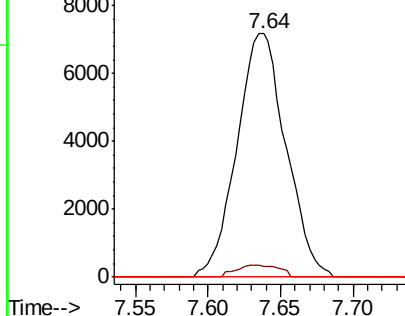


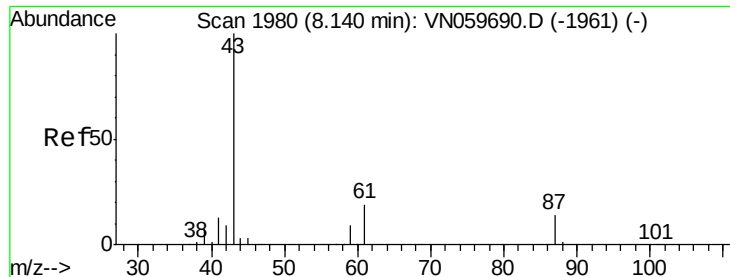
#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Tgt Ion: 117 Resp: 16850
Ion Ratio Lower Upper
117 100
119 4.6 76.5 114.7#
121 0.0 25.1 37.7#



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





#43

Isopropyl Acetate

Concen: 0.287 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.08 min

Lab File: VN059781.D

Acq: 20 Jan 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

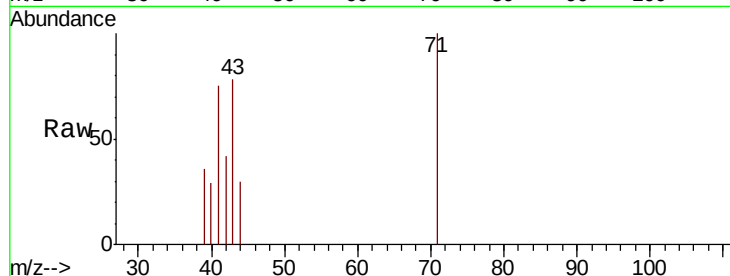
Tot Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

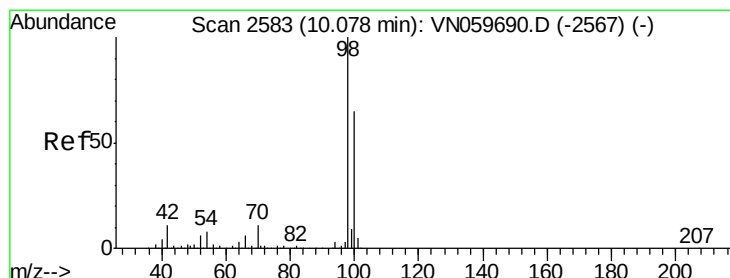
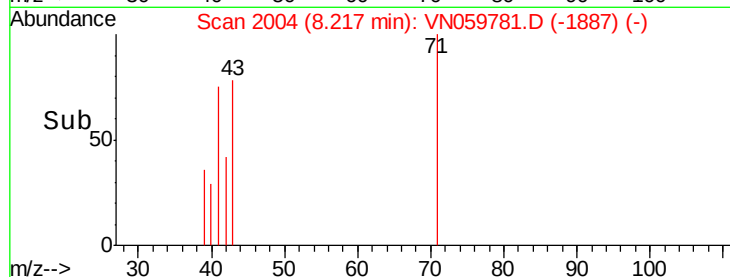
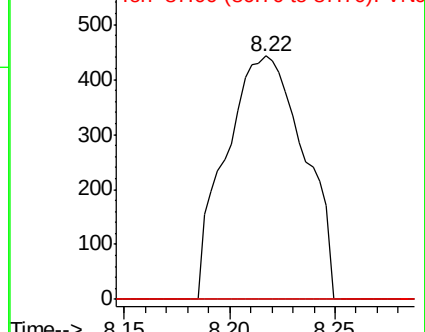
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.983 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059781.D

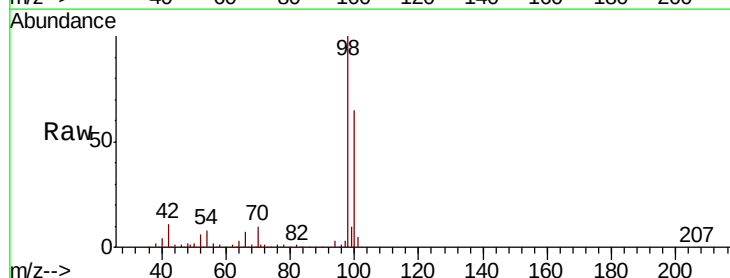
Acq: 20 Jan 2020 12:53

Tgt Ion: 98 Resp: 325833

Ion Ratio Lower Upper

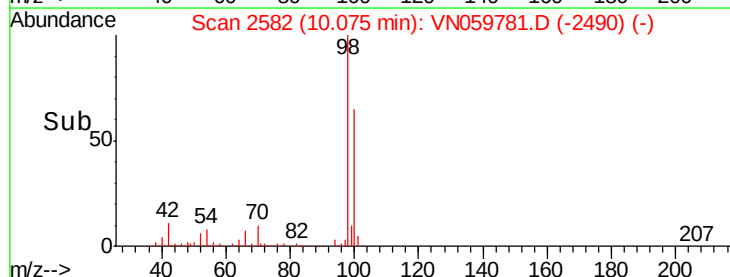
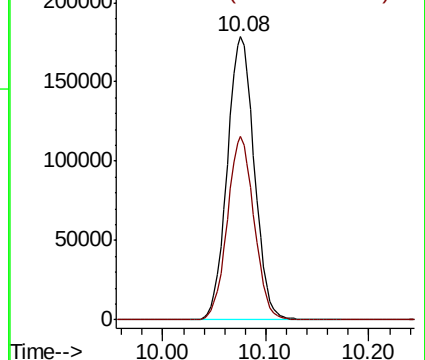
98 100

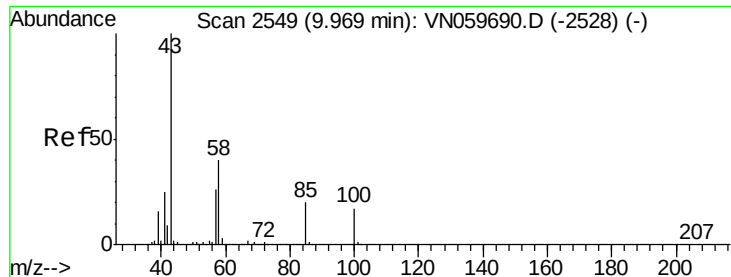
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

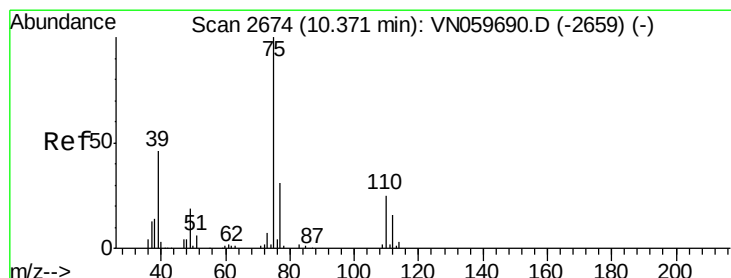
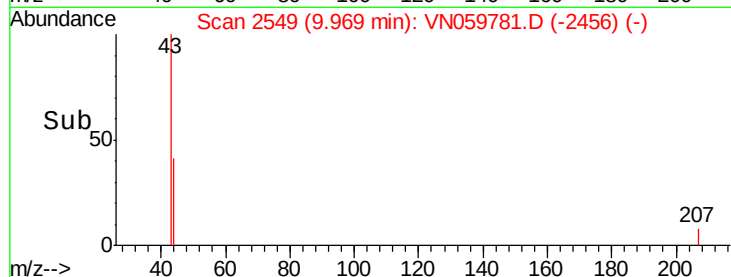
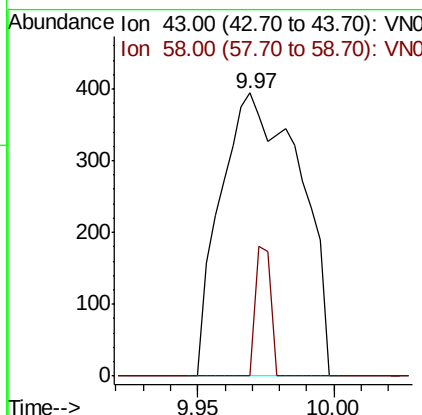
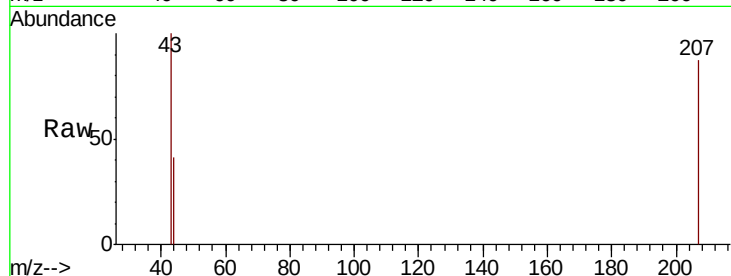




#51
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

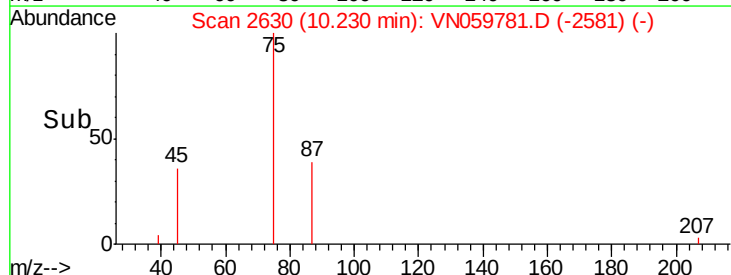
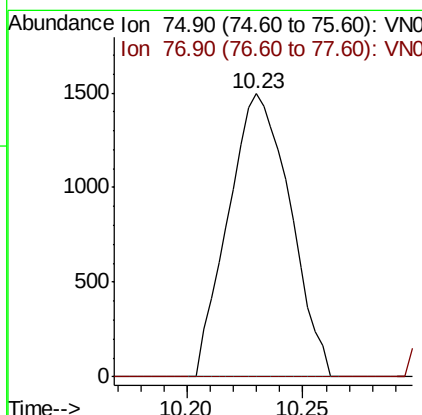
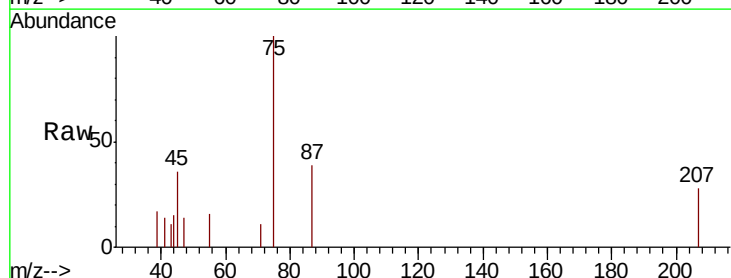
Instrument :
MSVOA_N
ClientSampled :

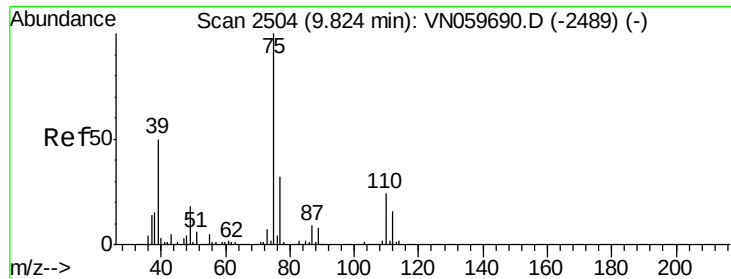
Tot Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#



#53
t-1,3-Dichloropropene
Concen: 0.963 ug/l
RT: 10.23 min Scan# 2630
Delta R.T. -0.14 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Tgt Ion: 75 Resp: 2772
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



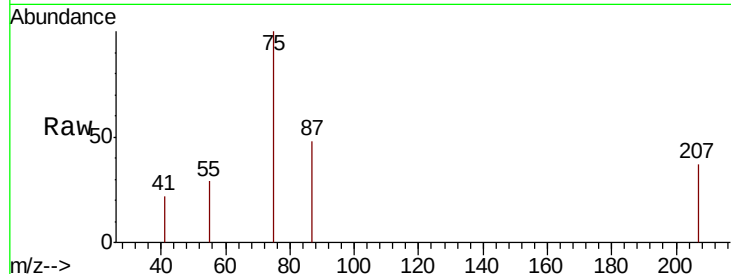


#54

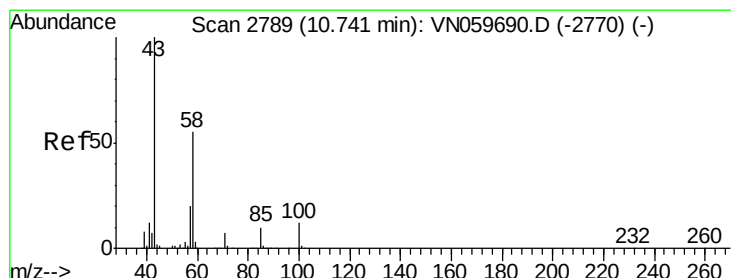
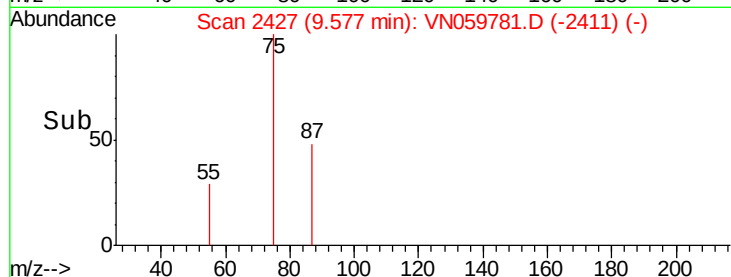
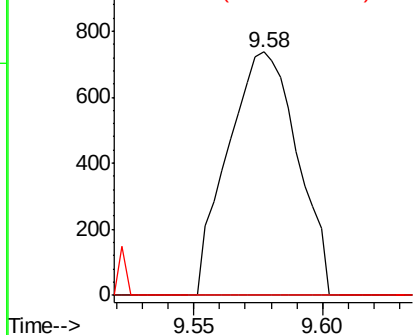
cis-1,3-Dichloropropene
 Concen: 0.457 ug/l
 RT: 9.58 min Scan# 2427
 Delta R.T. -0.25 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 1385
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 0.0 46.1 69.1#



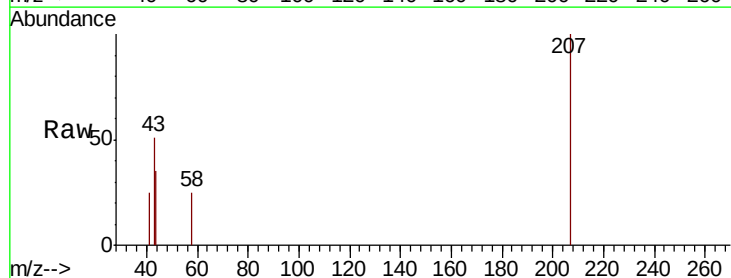
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



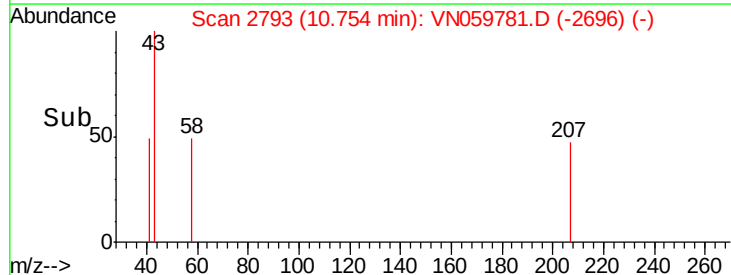
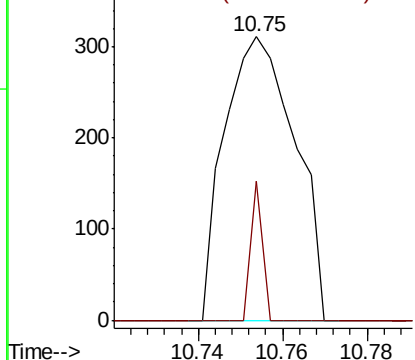
#59

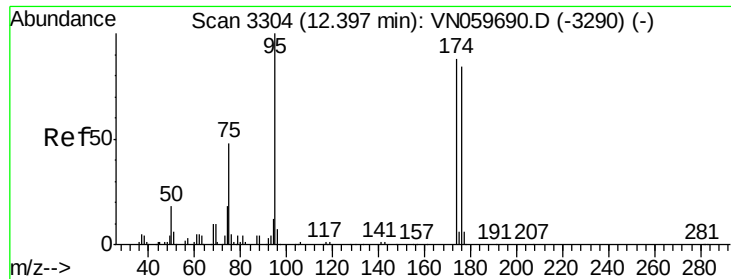
2-Hexanone
 Concen: 0.213 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

Tgt Ion: 43 Resp: 360
 Ion Ratio Lower Upper
 43 100
 58 8.3 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

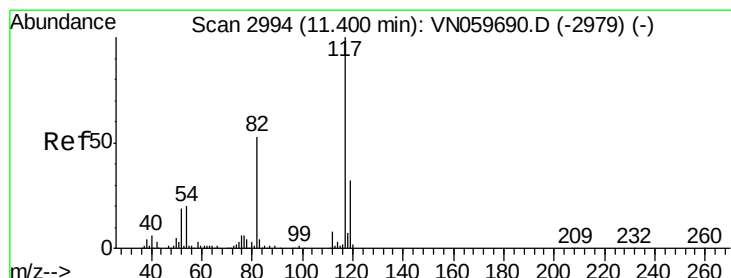
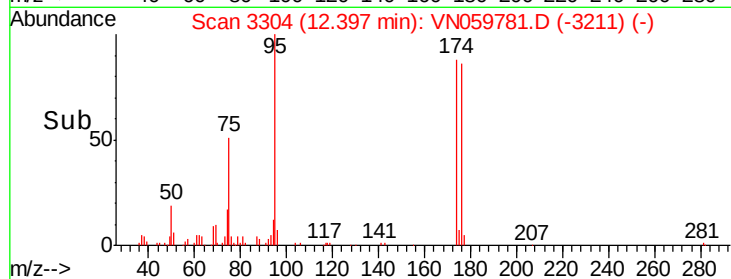
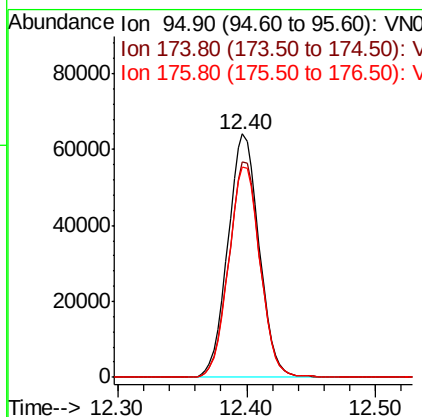
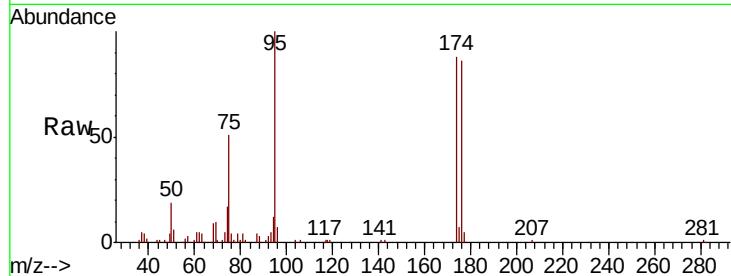




#62
4-Bromofluorobenzene
Concen: 45.919 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

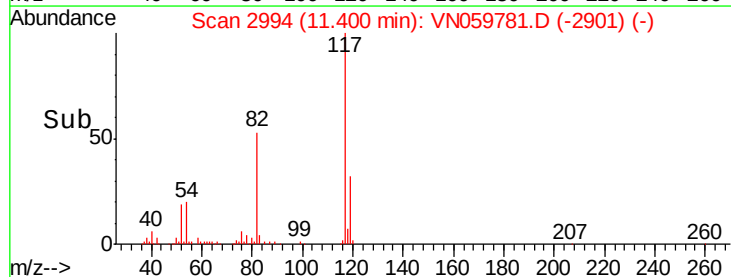
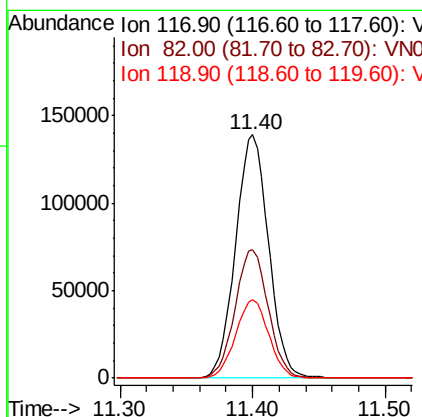
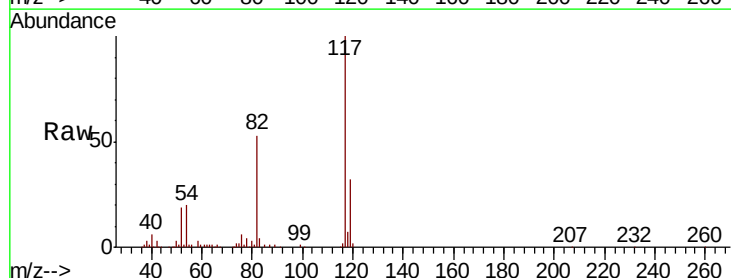
Instrument :
MSVOA_N
ClientSampled :

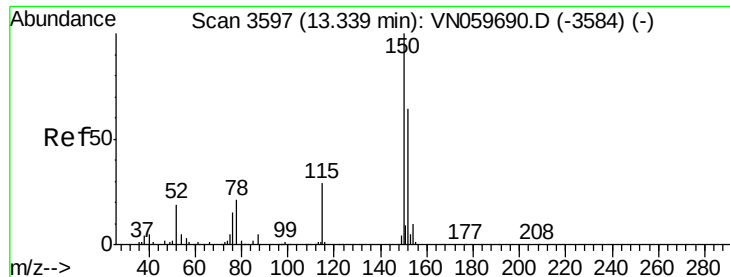
Tot Ion: 95 Resp: 107911
Ion Ratio Lower Upper
95 100
174 88.1 0.0 151.4
176 86.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Tgt Ion: 117 Resp: 240706
Ion Ratio Lower Upper
117 100
82 52.8 45.9 68.9
119 32.0 25.5 38.3



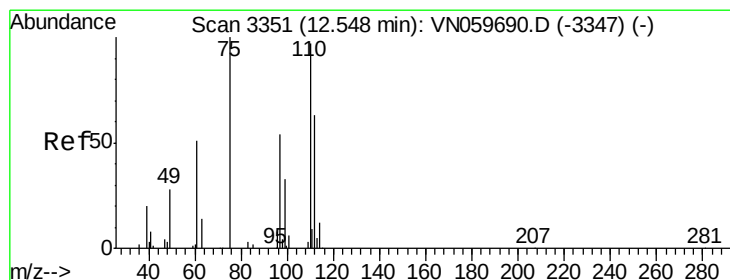
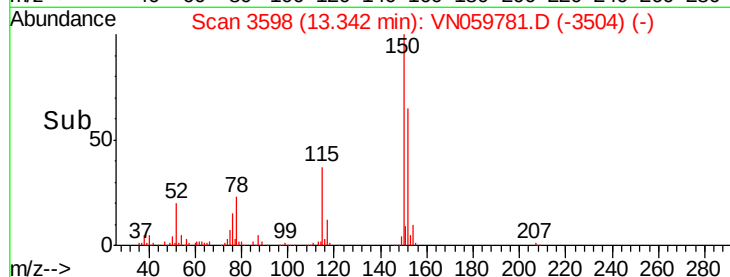
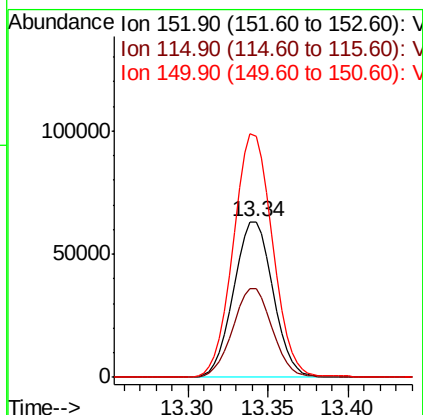
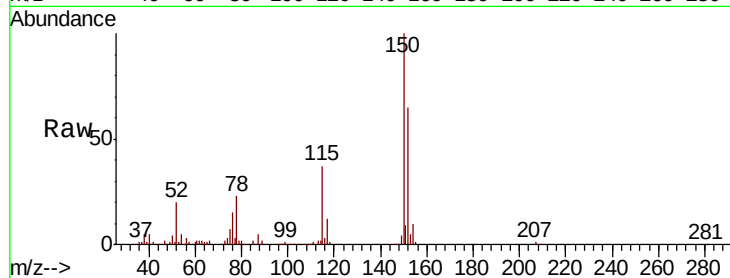


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :

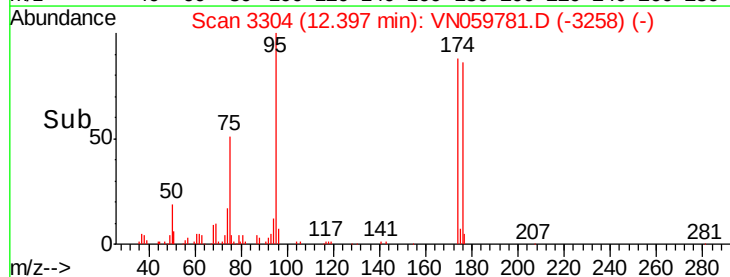
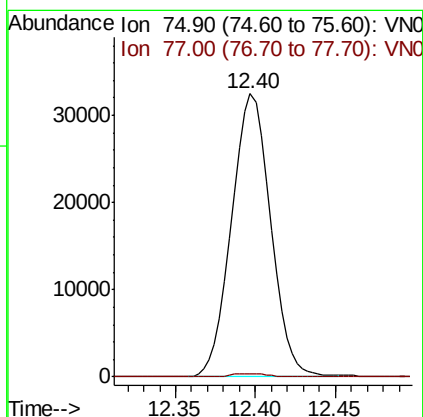
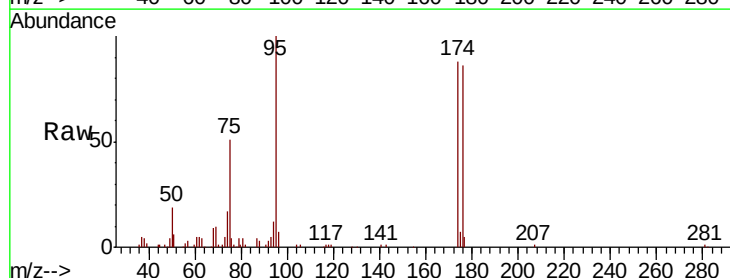
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.3	90.9
150	156.4	0.0	345.2

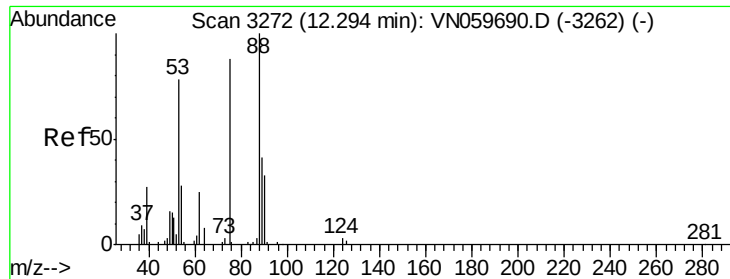


#76

1,2,3-Trichloropropane
Concen: 30.269 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059781.D
Acq: 20 Jan 2020 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.002 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059781.D

Acq: 20 Jan 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

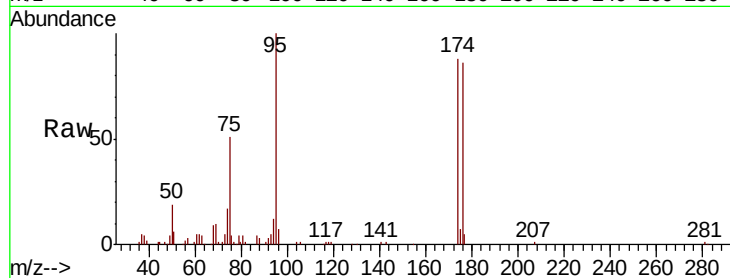
Tot Ion: 75 Resp: 54054

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

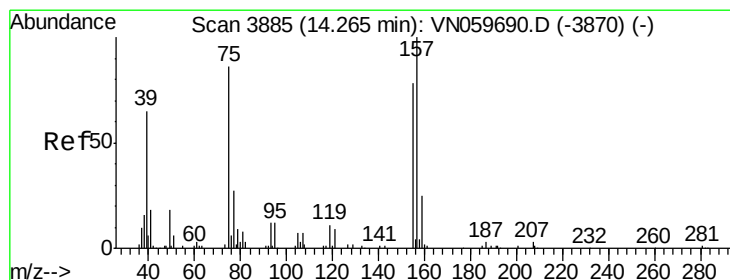
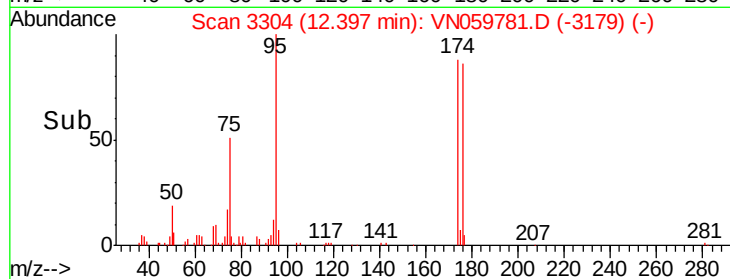
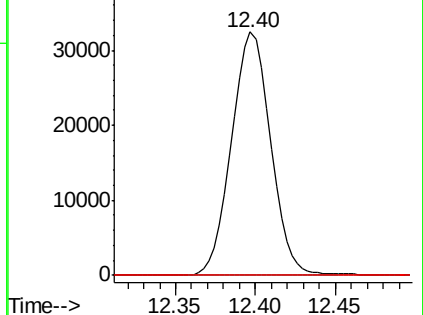
89 0.0 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN059781.D

Acq: 20 Jan 2020 12:53

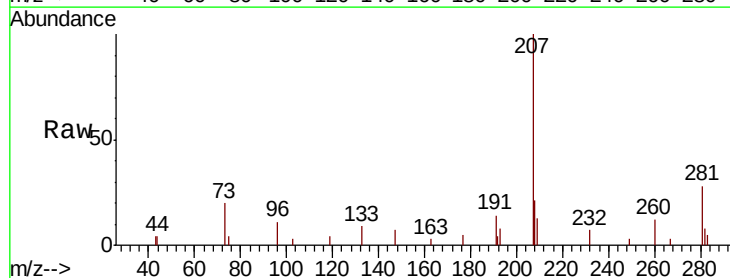
Tgt Ion: 75 Resp: 185

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

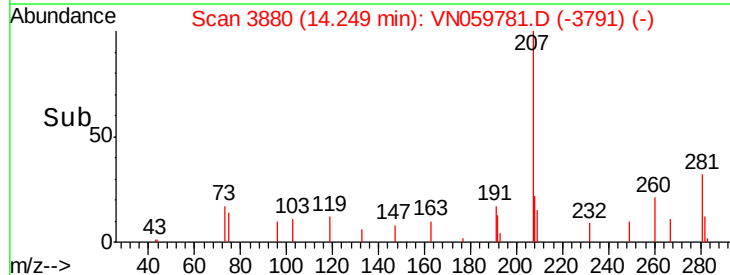
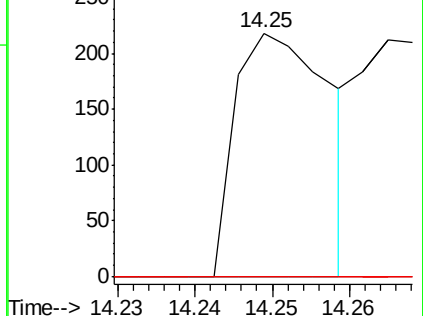
157 0.0 48.4 145.2#

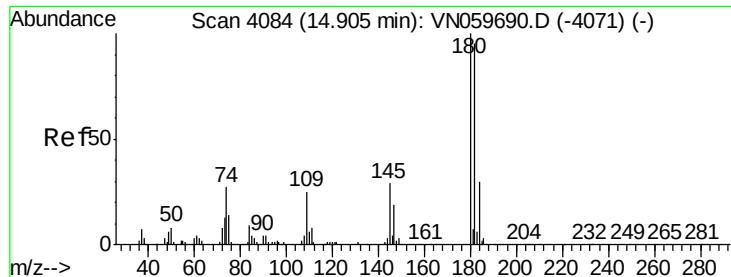


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

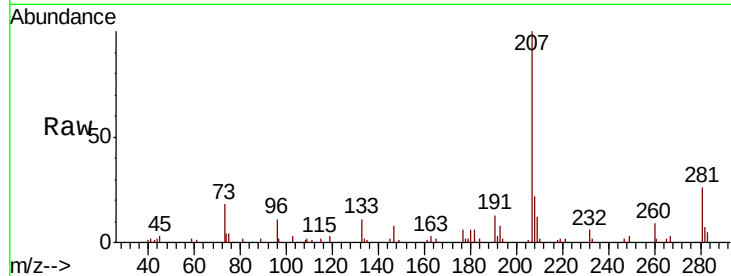




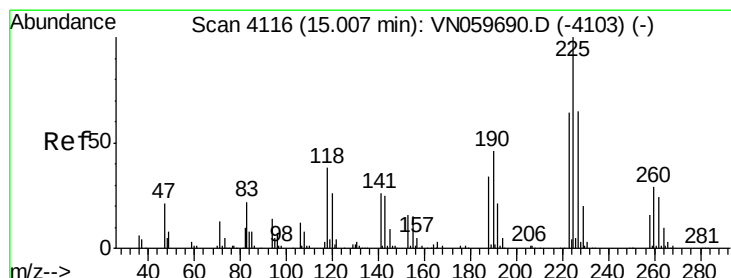
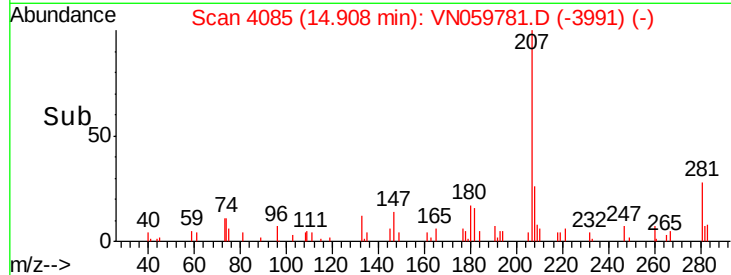
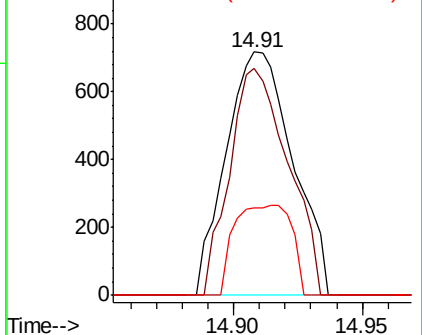
#93
 1,2,4-Trichlorobenzene
 Concen: 0.636 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1293
 Ion Ratio Lower Upper
 180 100
 182 81.9 46.9 140.7
 145 31.6 15.0 45.1

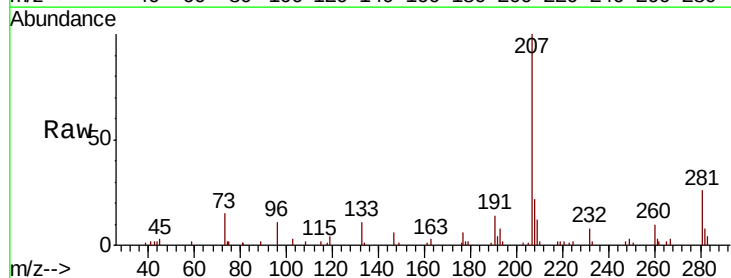


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

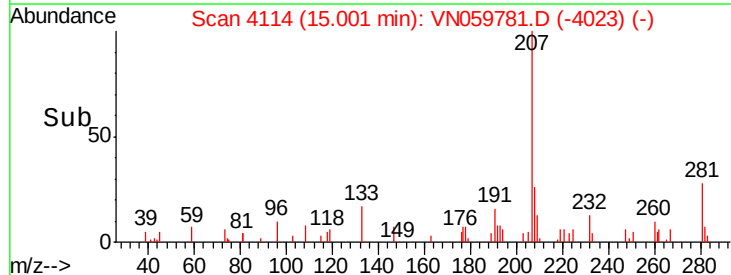
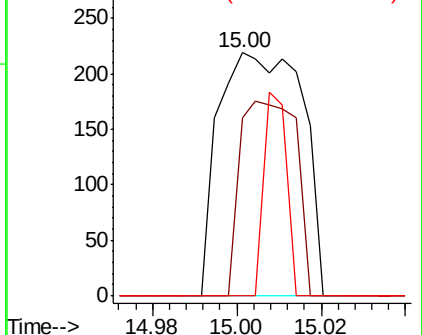


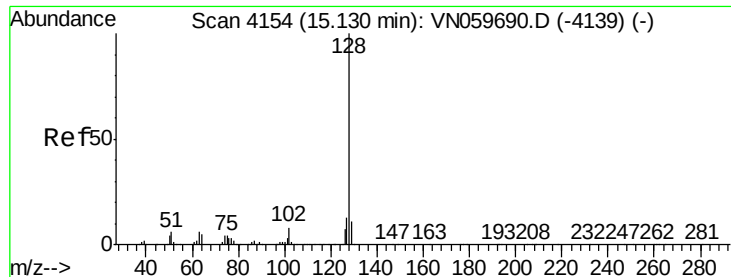
#94
 Hexachlorobutadiene
 Concen: 0.268 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN059781.D
 Acq: 20 Jan 2020 12:53

Tgt Ion:225 Resp: 300
 Ion Ratio Lower Upper
 225 100
 223 54.0 31.8 95.3
 227 23.0 32.1 96.5#



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: 0.818 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059781.D

Acq: 20 Jan 2020 12:53

Instrument :

MSVOA_N

ClientSampled :

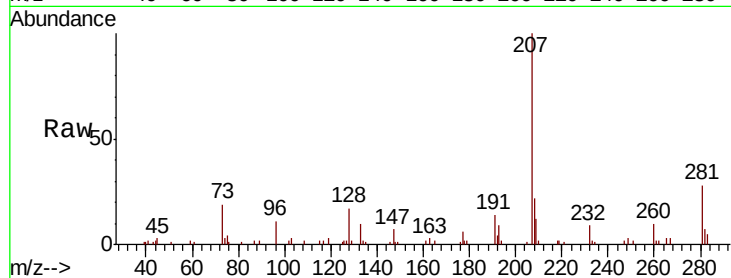
Tot Ion:128 Resp: 4729

Ion Ratio Lower Upper

128 100

127 9.1 10.4 15.6#

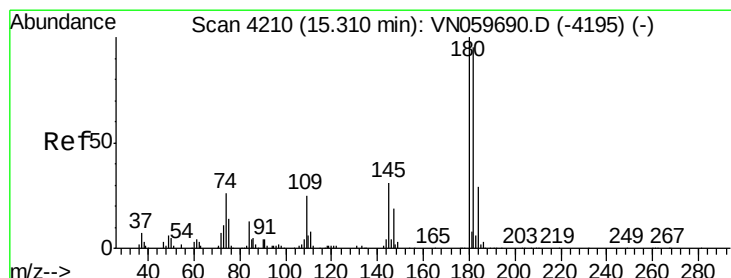
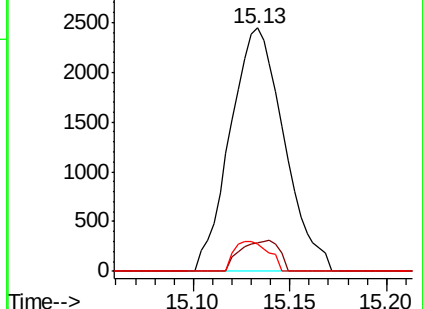
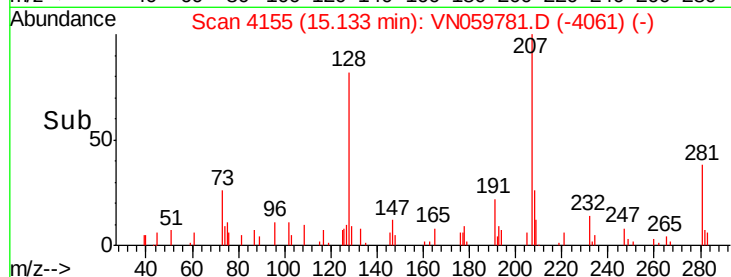
129 7.8 8.6 12.8#



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: 0.856 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN059781.D

Acq: 20 Jan 2020 12:53

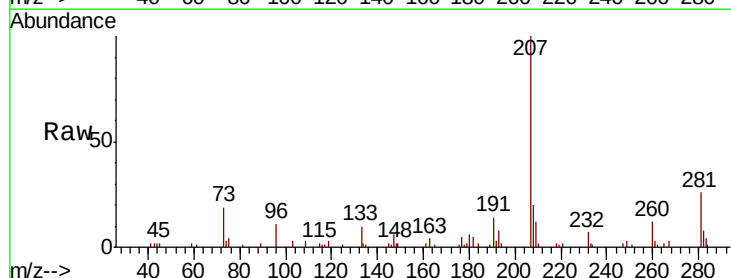
Tgt Ion:180 Resp: 1694

Ion Ratio Lower Upper

180 100

182 86.0 47.4 142.3

145 47.0 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

