

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121819\
 Data File : VN059661.D
 Acq On : 18 Dec 2019 19:44
 Operator : JC/SP
 Sample : K6324-01
 Misc : 6.16µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110364	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	137865	52.35	ug/l	0.00
Spiked Amount						
			Recovery	=	104.70%	
35) Dibromofluoromethane	7.56	113	91959	47.71	ug/l	0.00
Spiked Amount						
			Recovery	=	95.42%	
50) Toluene-d8	10.08	98	367640	48.17	ug/l	0.00
Spiked Amount						
			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	127050	45.62	ug/l	0.00
Spiked Amount						
			Recovery	=	91.24%	

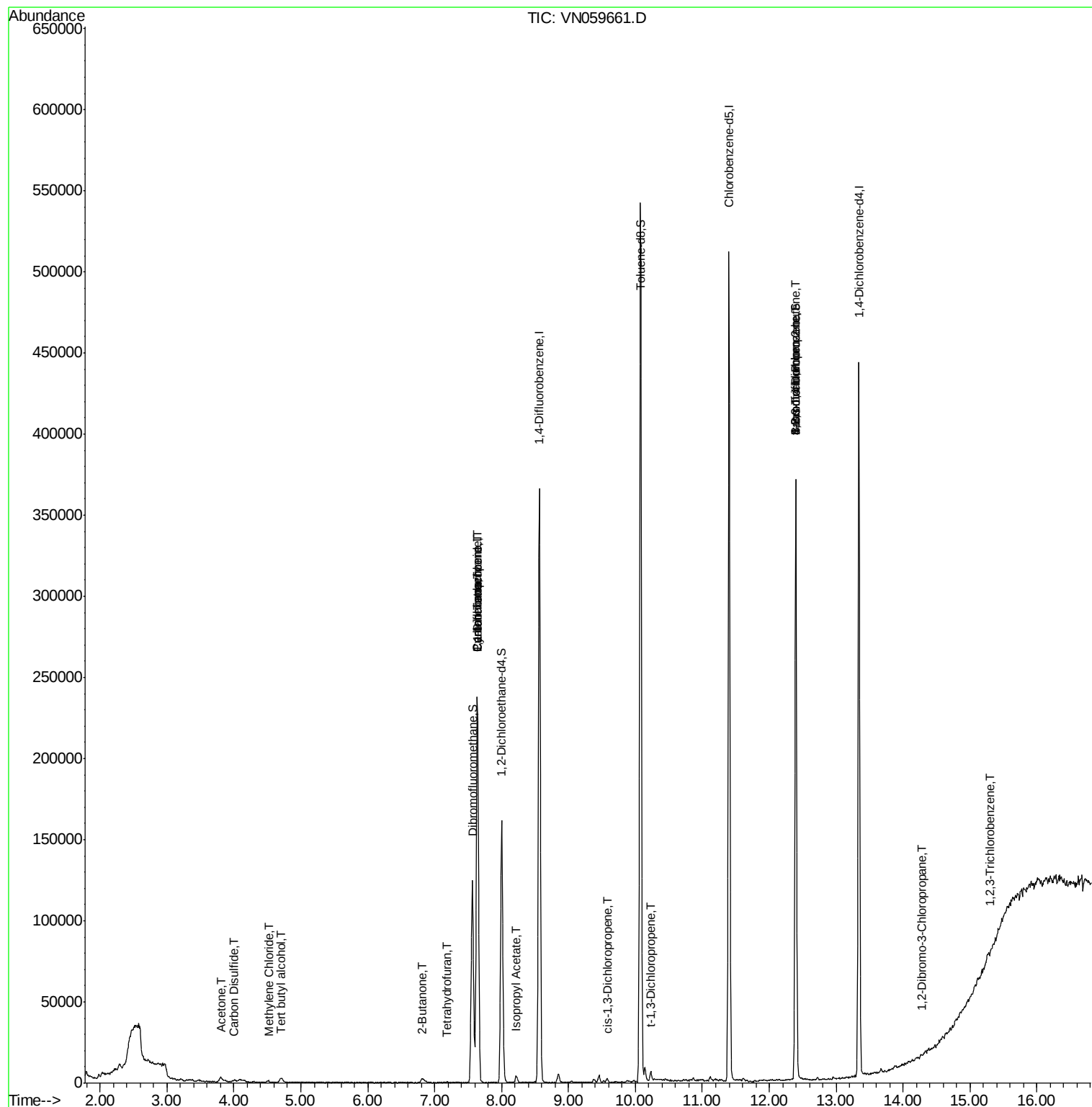
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	1718	3.558	ug/l #	72
16) Acetone	3.80	43	4928	3.152	ug/l	98
17) Carbon Disulfide	4.00	76	964	2.021	ug/l #	75
20) Methylene Chloride	4.51	84	657	0.291	ug/l #	46
25) 2-Butanone	6.81	43	1267	0.678	ug/l #	89
29) Tetrahydrofuran	7.19	42	278	0.244	ug/l #	35
31) Cyclohexane	7.64	56	4975	1.294	ug/l #	21
36) 1,1-Dichloropropene	7.64	75	16064	5.000	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18996	5.698	ug/l #	16
43) Isopropyl Acetate	8.22	43	1810	0.312	ug/l #	56
53) t-1,3-Dichloropropene	10.23	75	3371	0.880	ug/l #	43
54) cis-1,3-Dichloropropene	9.57	75	912	0.227	ug/l #	30
71) Bromoform	12.39	173	441	0.266	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	68974	25.246	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68974	62.354	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	222	1.903	ug/l #	6
96) 1,2,3-Trichlorobenzene	15.29	180	513	0.203	ug/l #	12

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

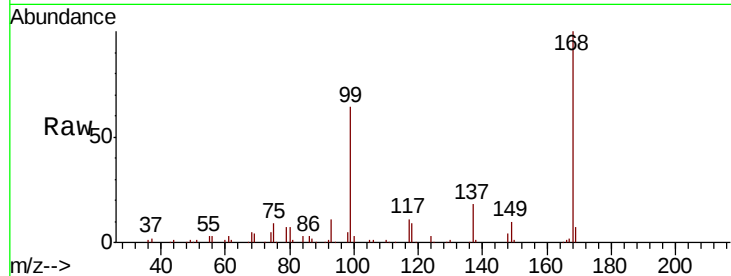
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 180988

Ion Ratio Lower Upper

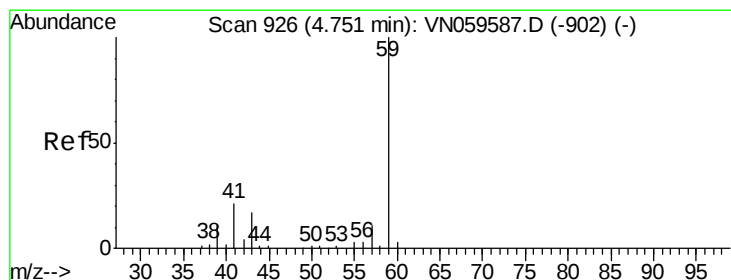
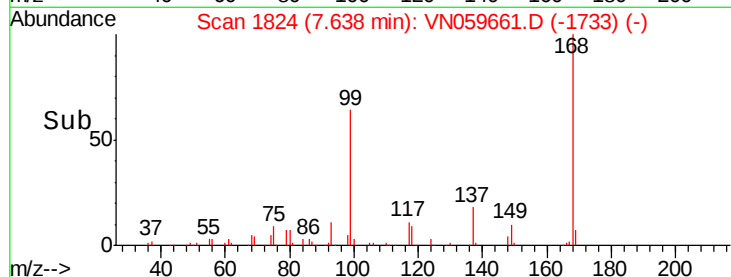
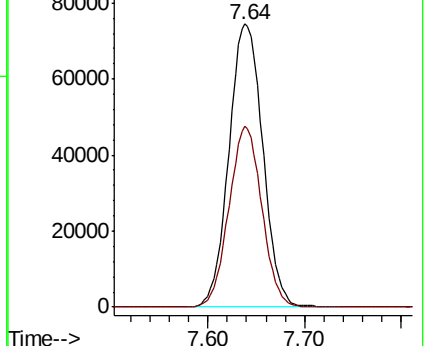
168 100

99 63.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 3.558 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.05 min

Lab File: VN059661.D

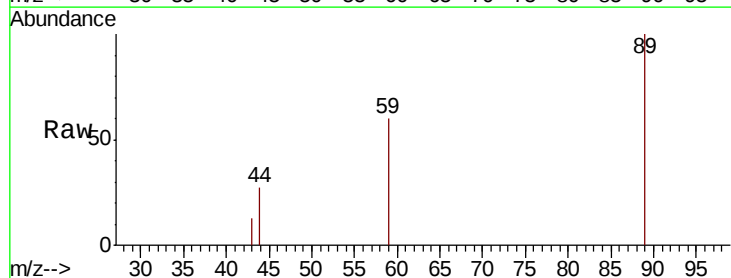
Acq: 18 Dec 2019 19:44

Tgt Ion: 59 Resp: 1718

Ion Ratio Lower Upper

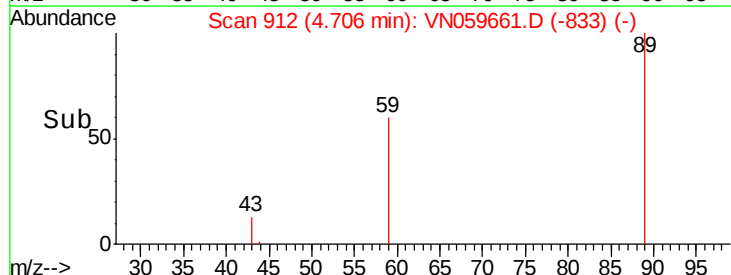
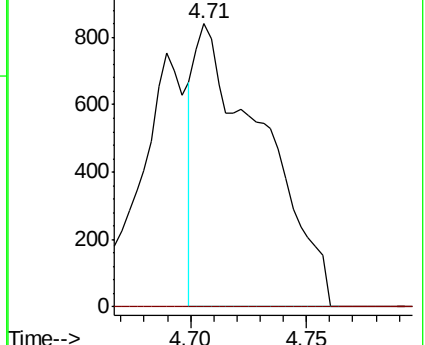
59 100

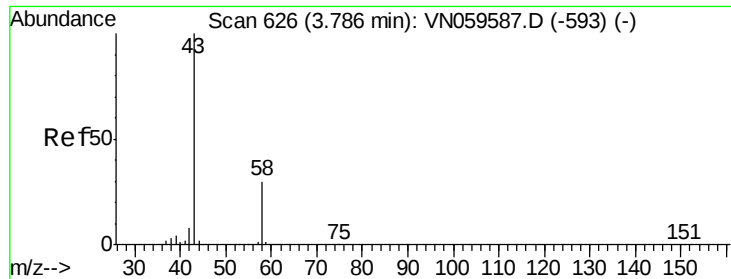
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 3.152 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

Instrument :

MSVOA_N

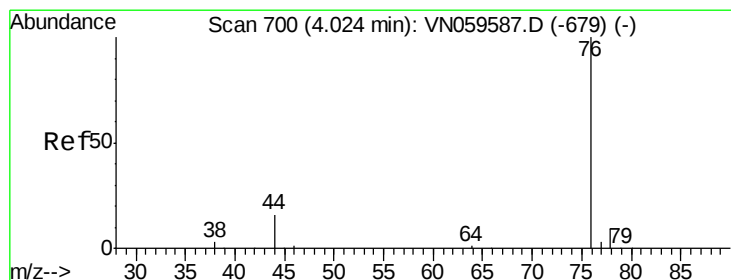
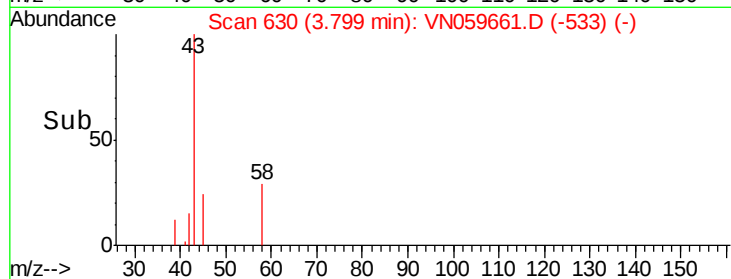
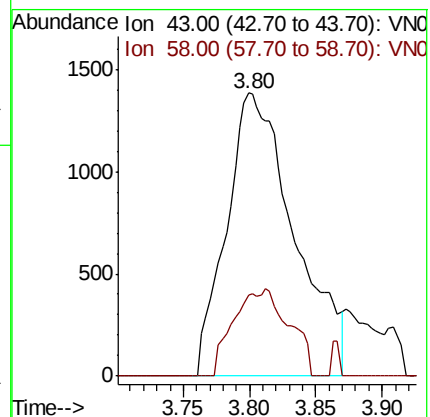
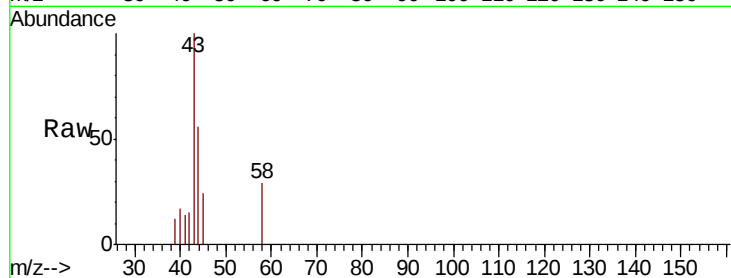
ClientSampleId :

Tot Ion: 43 Resp: 4928

Ion Ratio Lower Upper

43 100

58 28.7 23.6 35.4



#17

Carbon Disulfide

Concen: 2.021 ug/l

RT: 4.00 min Scan# 691

Delta R.T. -0.03 min

Lab File: VN059661.D

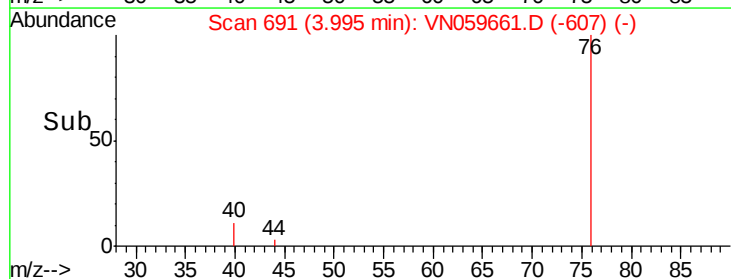
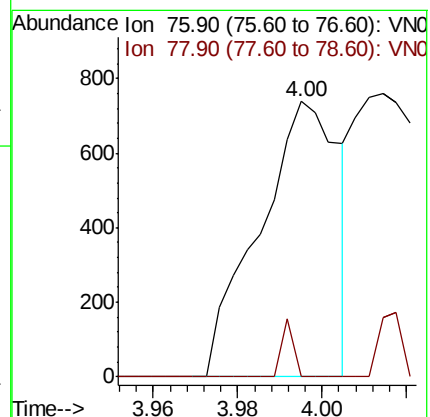
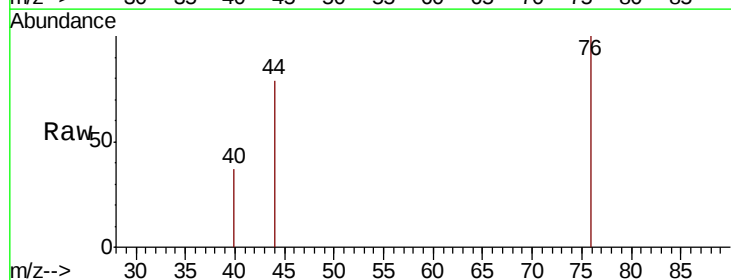
Acq: 18 Dec 2019 19:44

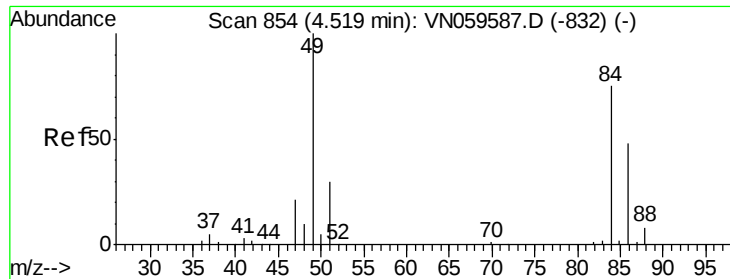
Tgt Ion: 76 Resp: 964

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

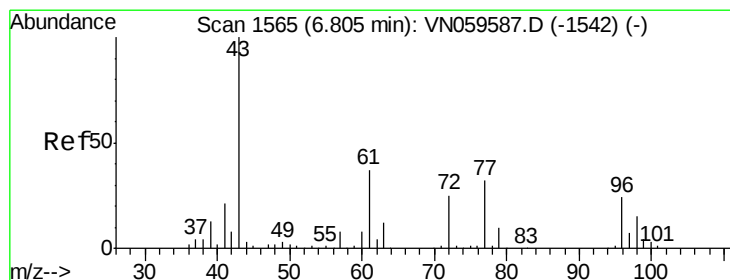
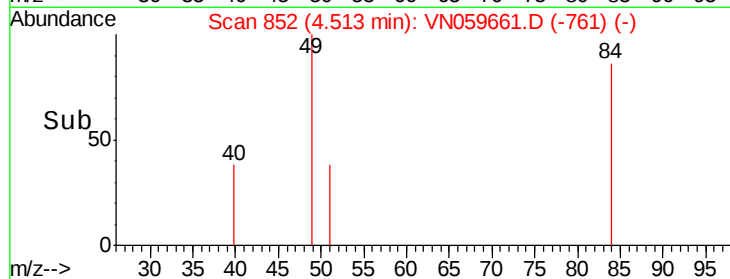
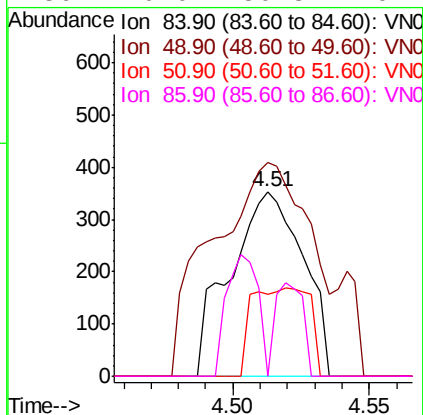
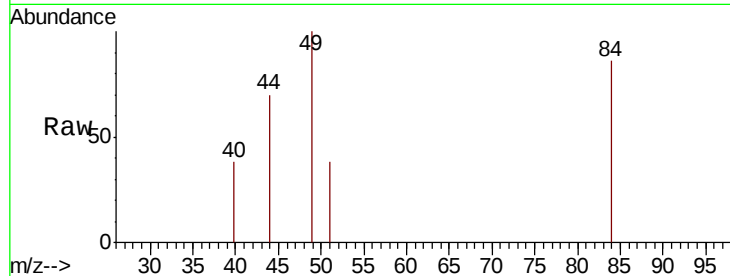




#20
Methvlene Chloride
Concen: 0.291 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

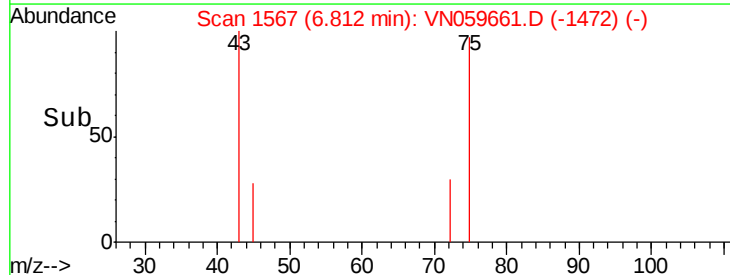
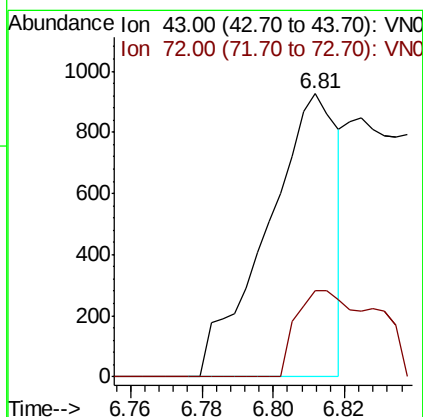
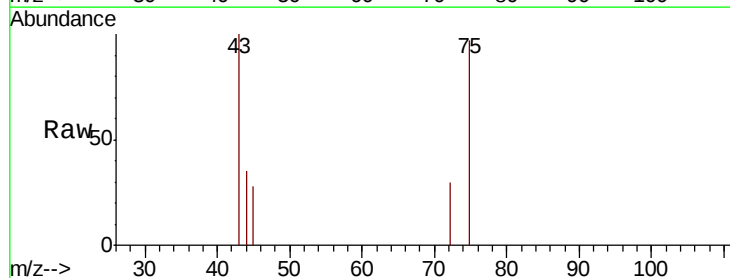
Instrument :
MSVOA_N
ClientSampled :

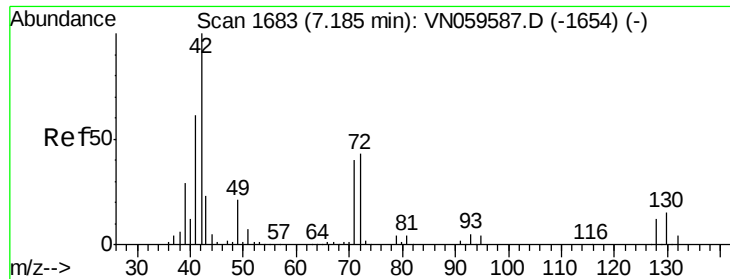
Tot Ion: 84 Resp: 657
Ion Ratio Lower Upper
84 100
49 68.8 106.6 160.0#
51 44.5 31.9 47.9
86 0.0 50.8 76.2#



#25
2-Butanone
Concen: 0.678 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
72 30.2 19.9 29.9#

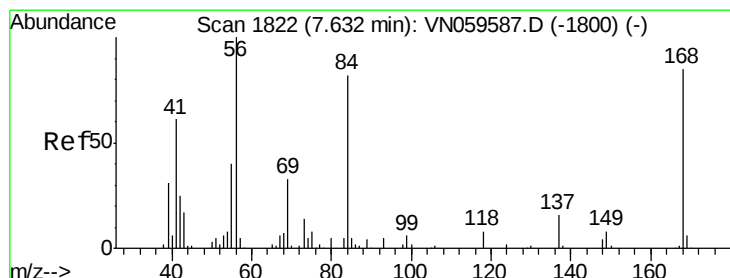
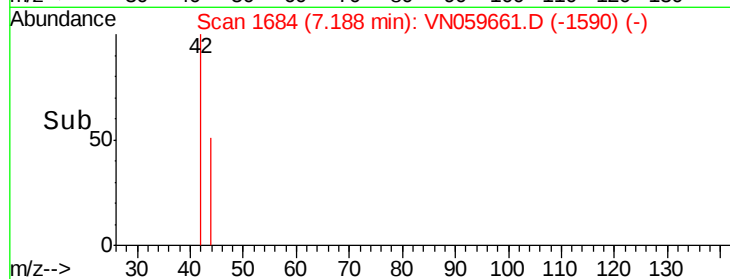
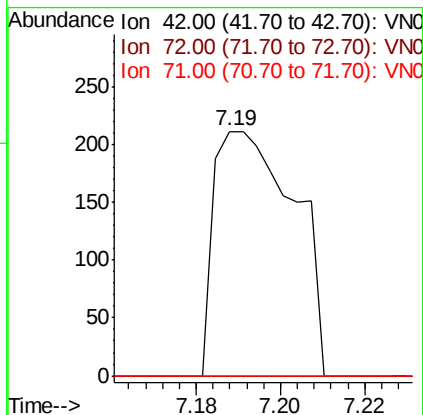
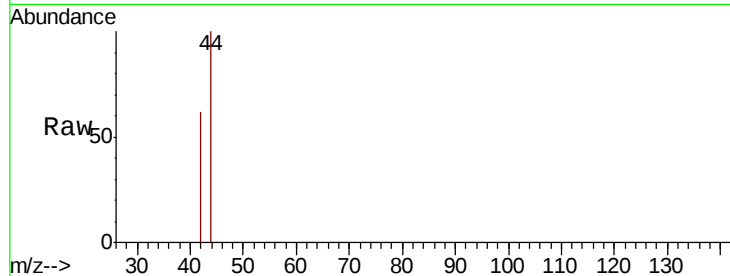




#29
Tetrahydrofuran
Concen: 0.244 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

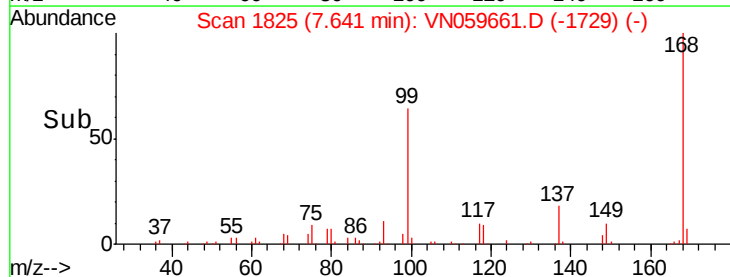
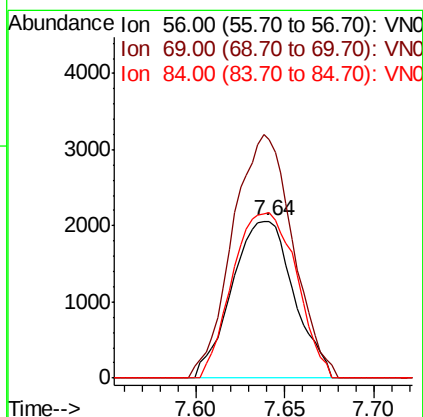
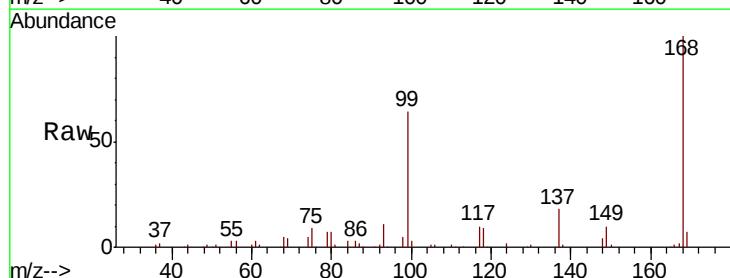
Instrument :
MSVOA_N
ClientSampled :

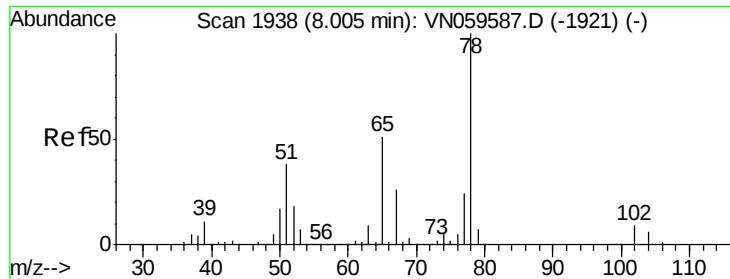
Tot Ion: 42 Resp: 278
Ion Ratio Lower Upper
42 100
72 0.0 33.1 49.7#
71 0.0 31.4 47.0#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

Tgt Ion: 56 Resp: 4975
Ion Ratio Lower Upper
56 100
69 151.9 26.5 39.7#
84 105.1 65.3 97.9#

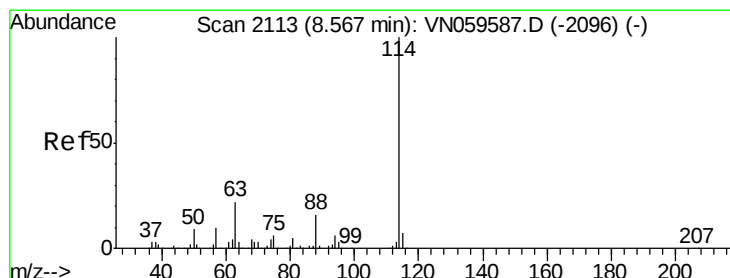
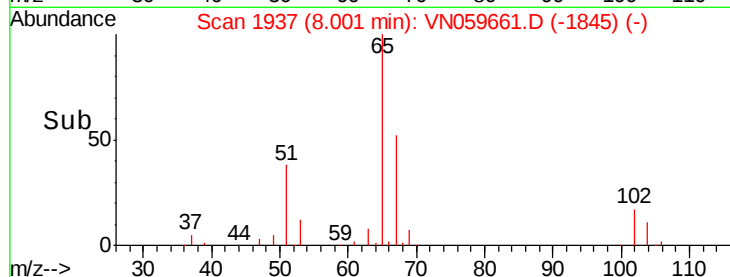
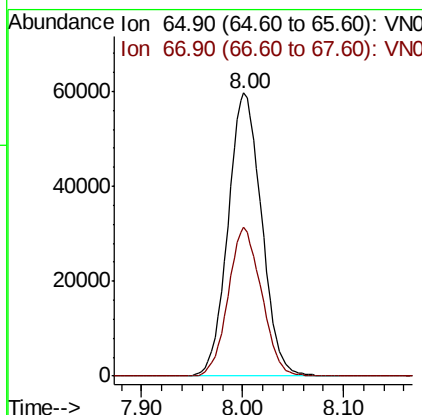
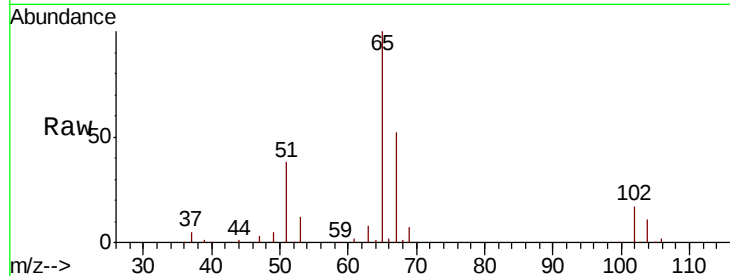




#33
 1,2-Dichloroethane-d4
 Concen: 52.348 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059661.D
 Acq: 18 Dec 2019 19:44

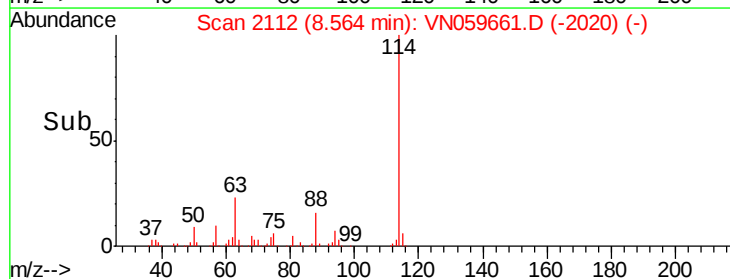
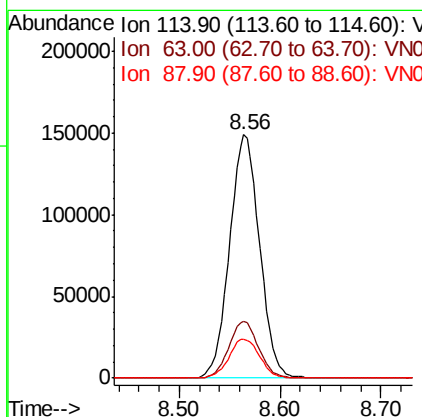
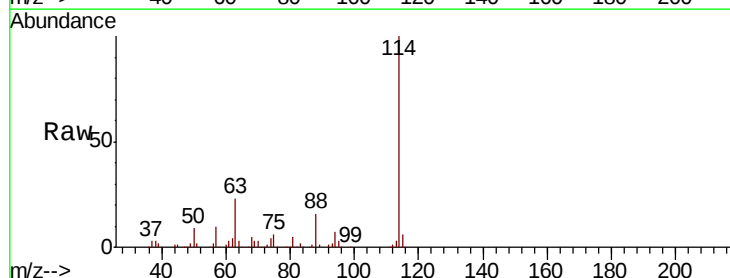
Instrument :
 MSVOA_N
 ClientSampleId :

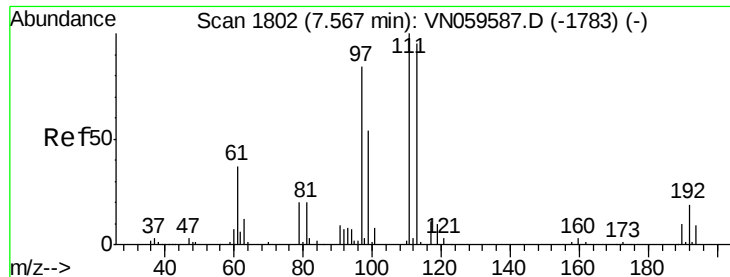
Tot Ion: 65 Resp: 137865
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059661.D
 Acq: 18 Dec 2019 19:44

Tgt Ion: 114 Resp: 308072
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 43.6
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.707 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

Instrument :
MSVOA_N
ClientSampled :

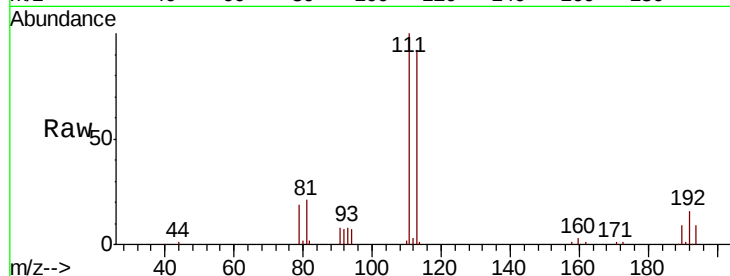
Tot Ion:113 Resp: 91959

Ion Ratio Lower Upper

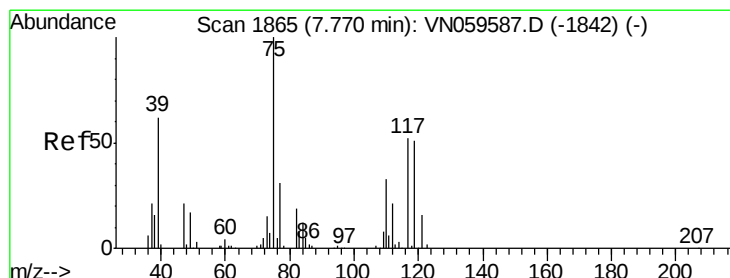
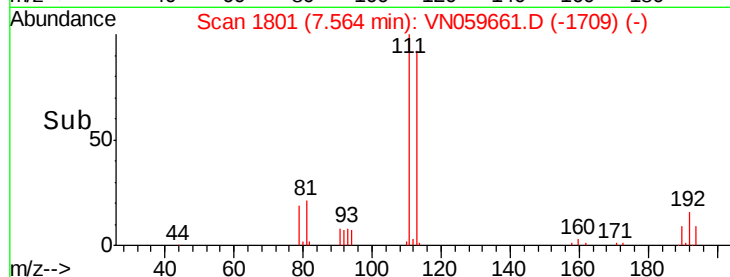
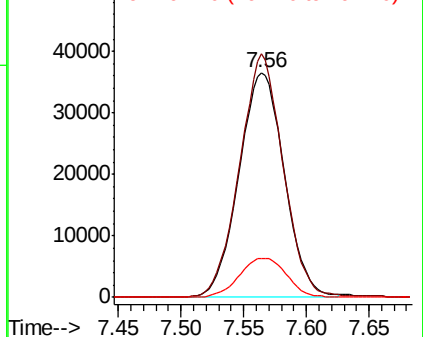
113 100

111 103.8 83.5 125.3

192 18.1 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: 5.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

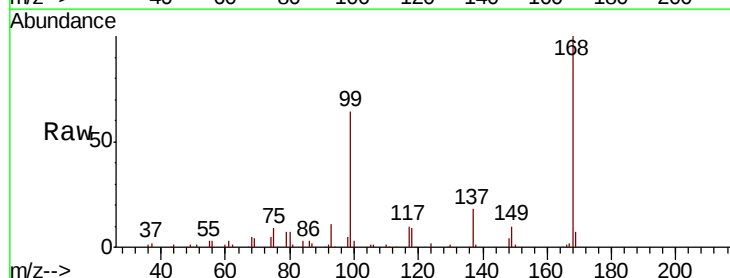
Tgt Ion: 75 Resp: 16064

Ion Ratio Lower Upper

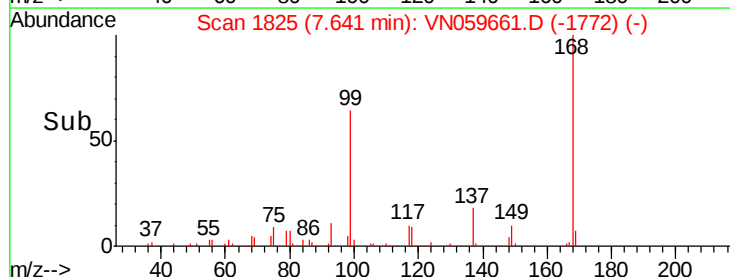
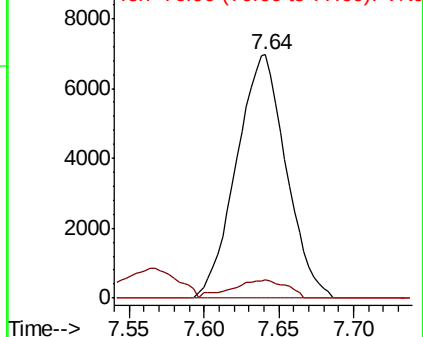
75 100

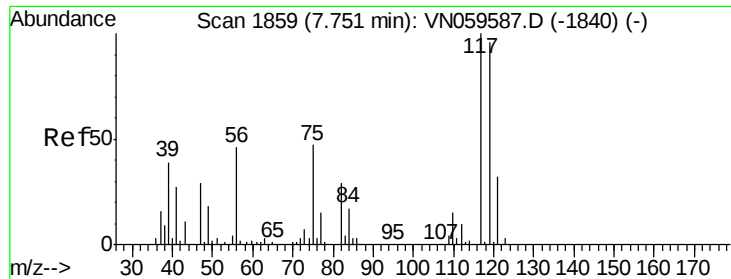
110 8.2 16.6 49.7#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.698 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

Instrument :

MSVOA_N

ClientSampled :

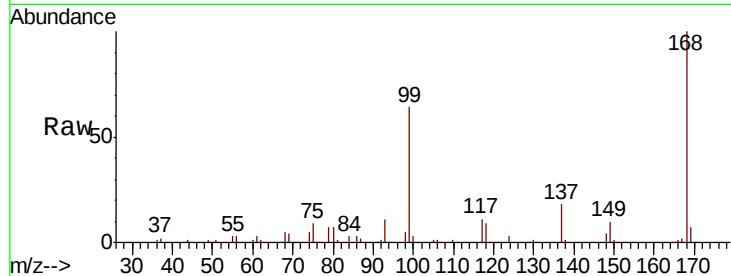
Tot Ion:117 Resp: 18996

Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

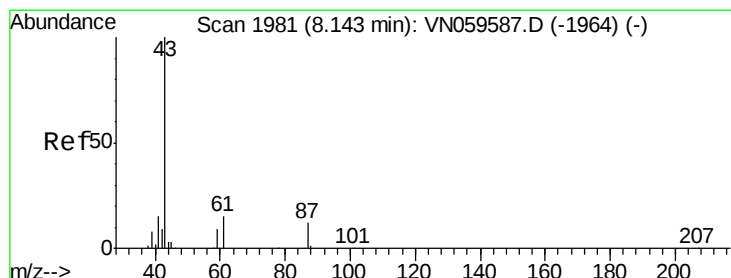
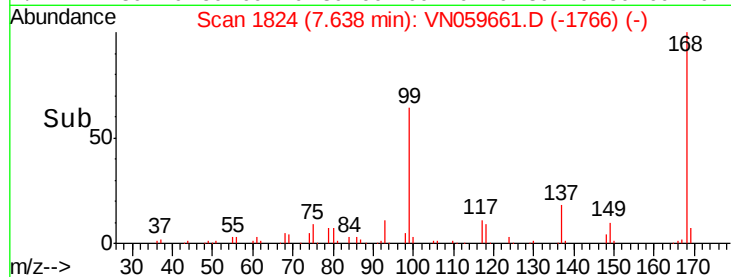
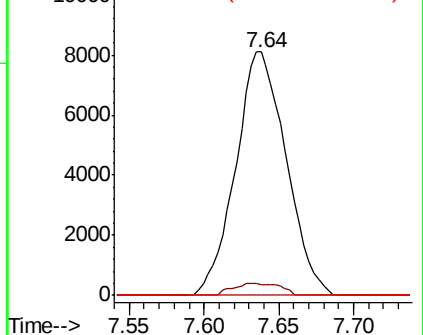
121 0.0 25.1 37.7#



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: 0.312 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.07 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

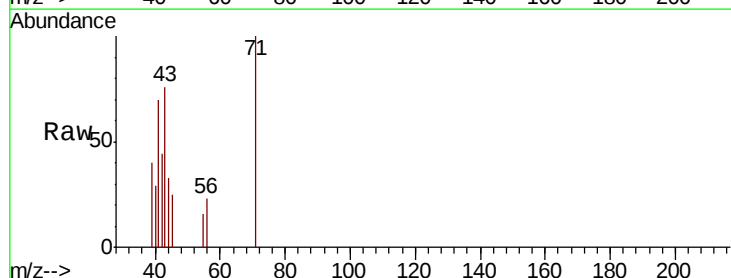
Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

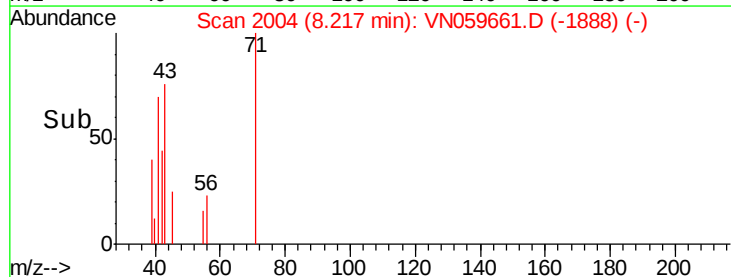
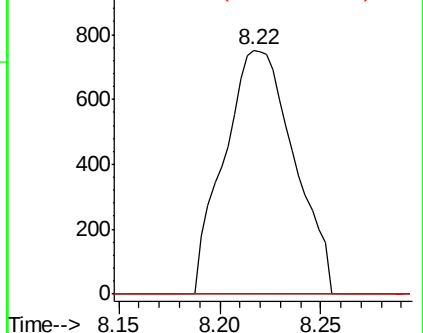
87 0.0 9.5 14.3#

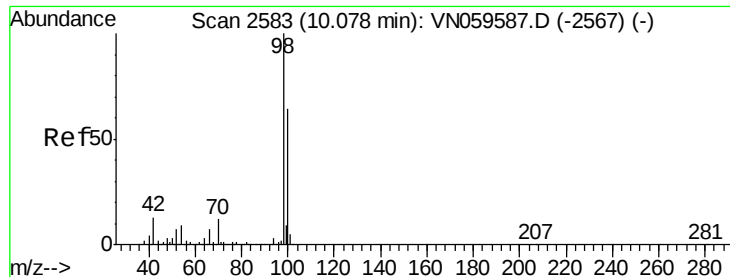


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.174 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

Instrument :

MSVOA_N

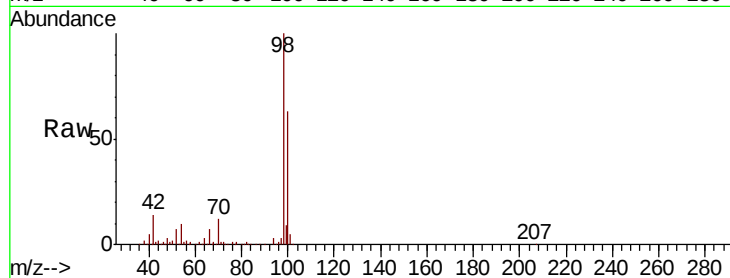
ClientSampled :

Tot Ion: 98 Resp: 367640

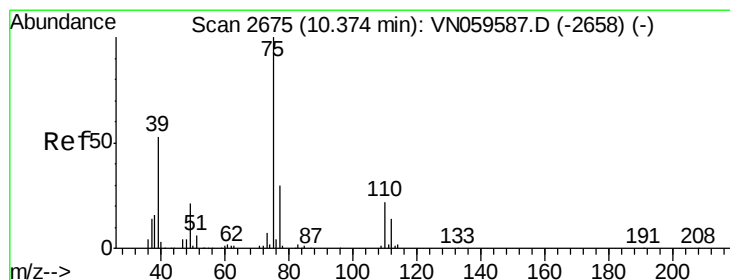
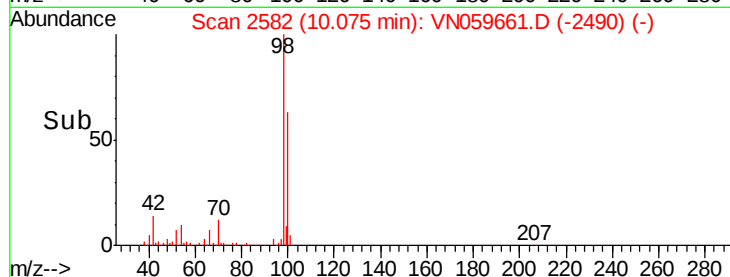
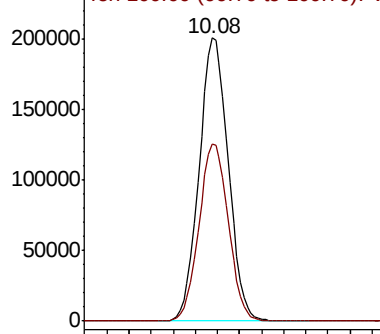
Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059587.D (-2567) (-)



#53

t-1,3-Dichloropropene

Concen: 0.880 ug/l

RT: 10.23 min Scan# 2630

Delta R.T. -0.14 min

Lab File: VN059661.D

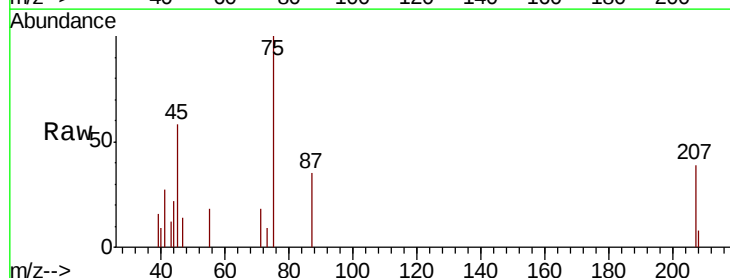
Acq: 18 Dec 2019 19:44

Tgt Ion: 75 Resp: 3371

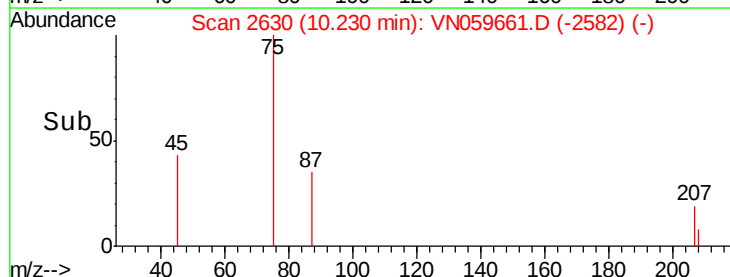
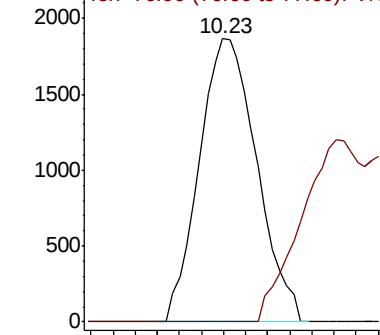
Ion Ratio Lower Upper

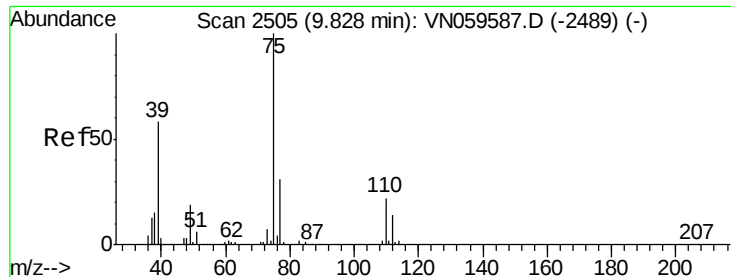
75 100

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-2658) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.227 ug/l

RT: 9.57 min Scan# 2425

Delta R.T. -0.26 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :

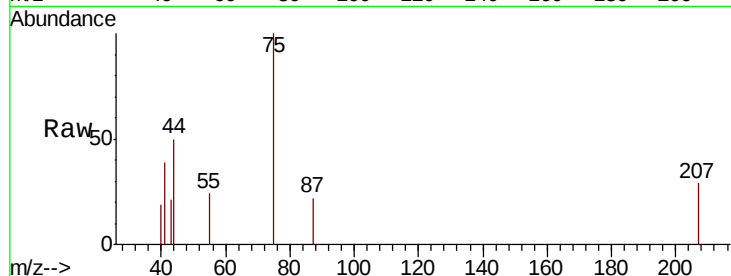
Tot Ion: 75 Resp: 912

Ion Ratio Lower Upper

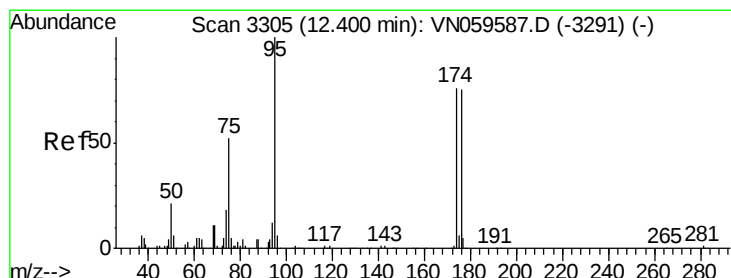
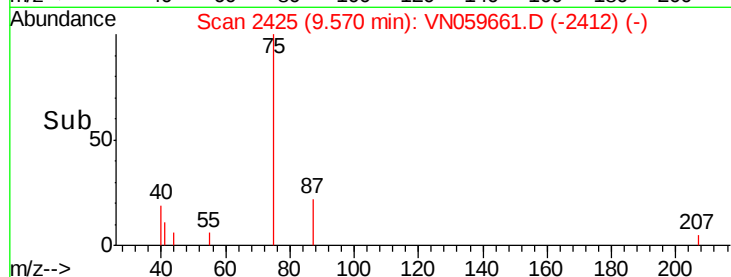
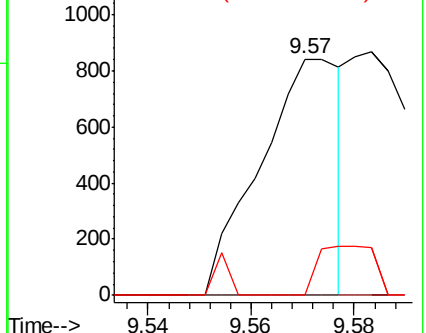
75 100

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



#62

4-Bromofluorobenzene

Concen: 45.625 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

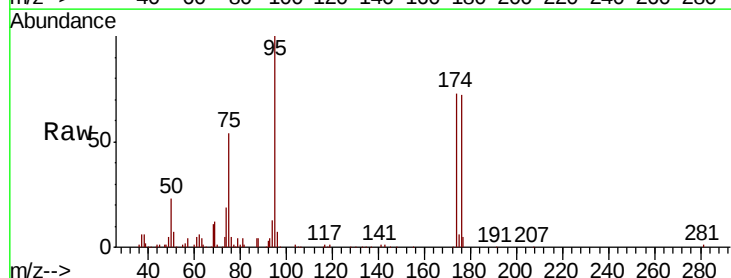
Tgt Ion: 95 Resp: 127050

Ion Ratio Lower Upper

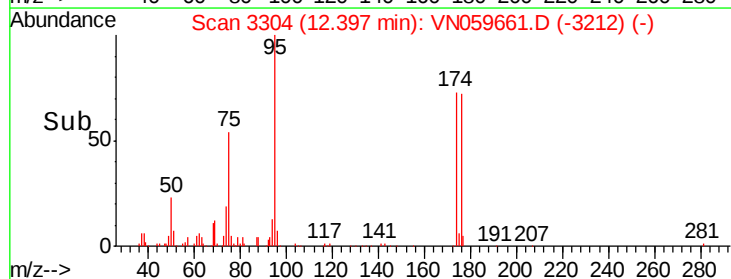
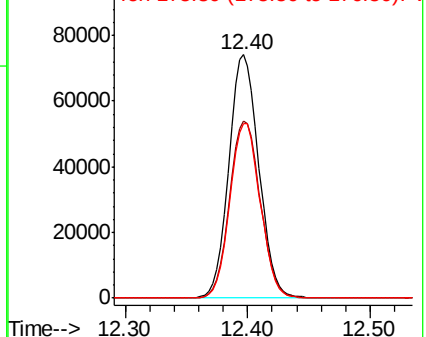
95 100

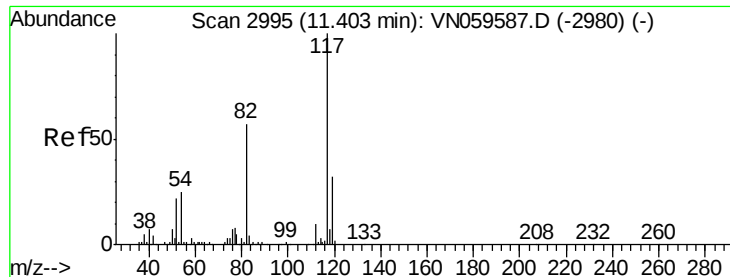
174 74.8 0.0 151.4

176 72.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

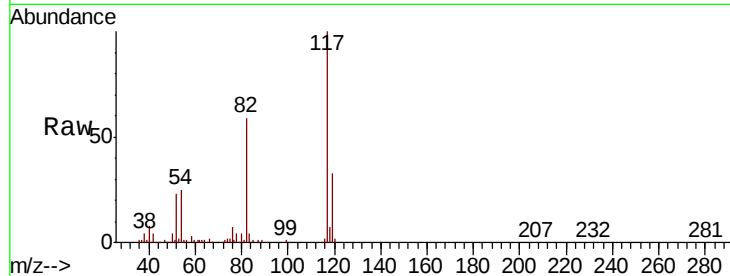




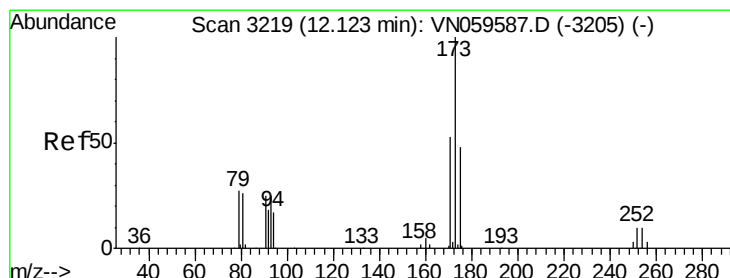
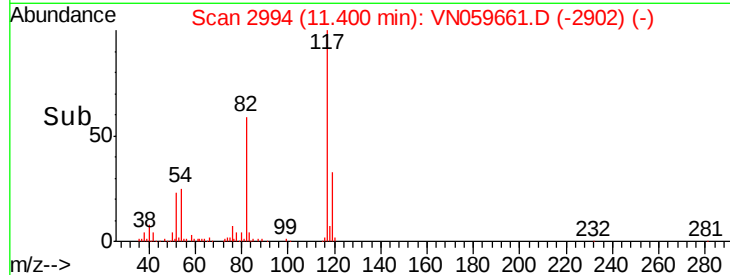
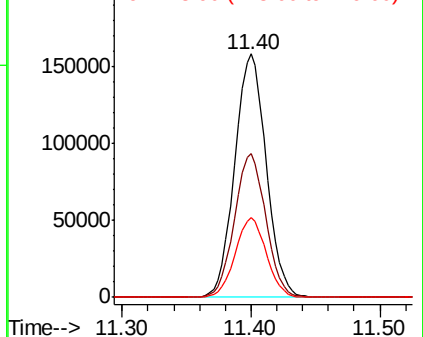
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 268749
Ion Ratio Lower Upper
117 100
82 58.9 45.9 68.9
119 32.6 25.5 38.3

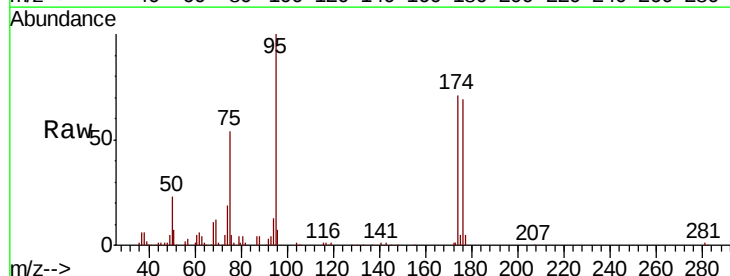


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

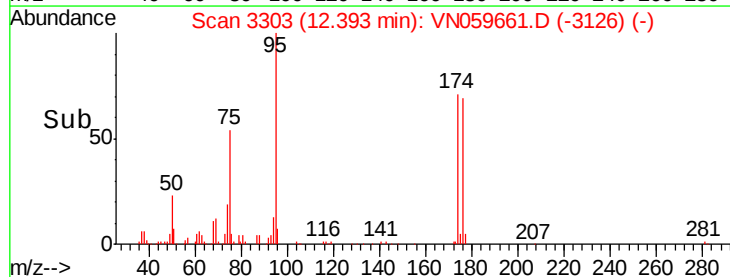
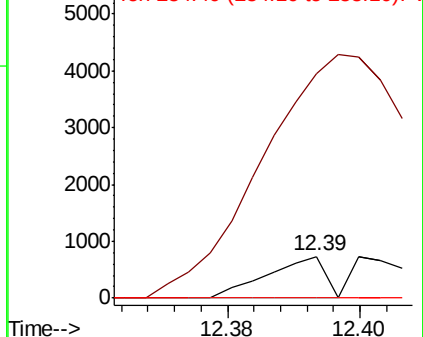


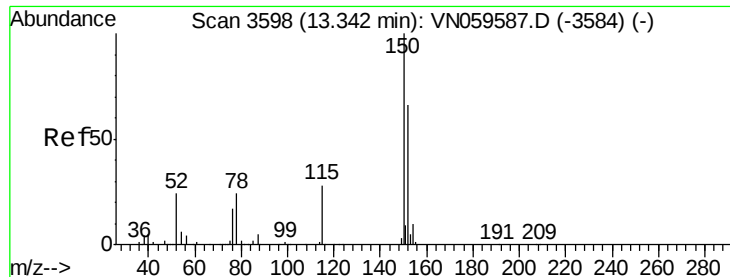
#71
Bromoform
Concen: 0.266 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

Tgt Ion:173 Resp: 441
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
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



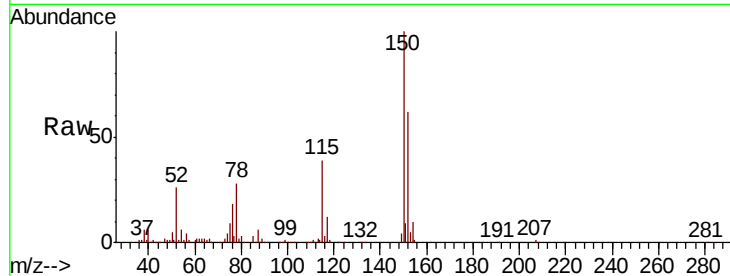


#72

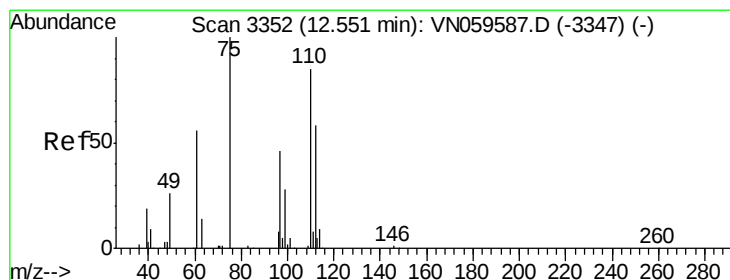
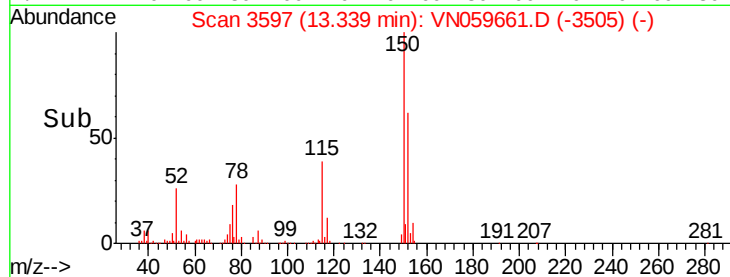
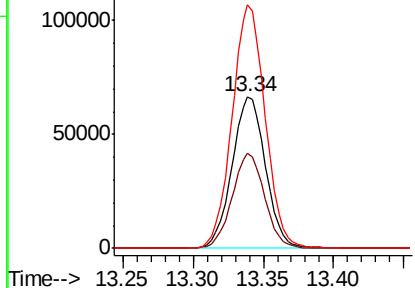
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.3	90.9
150	159.4	0.0	345.2



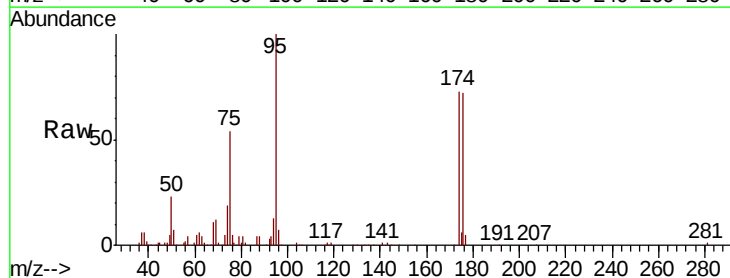
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



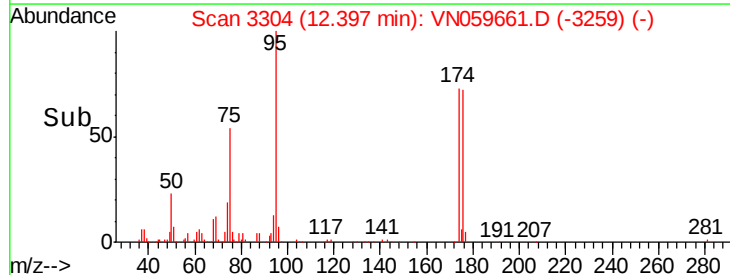
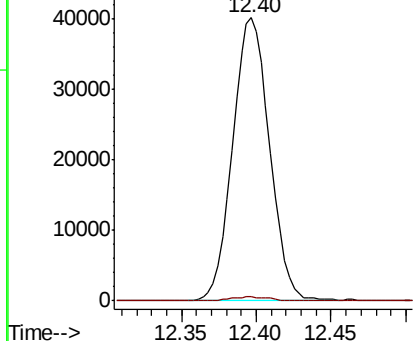
#76

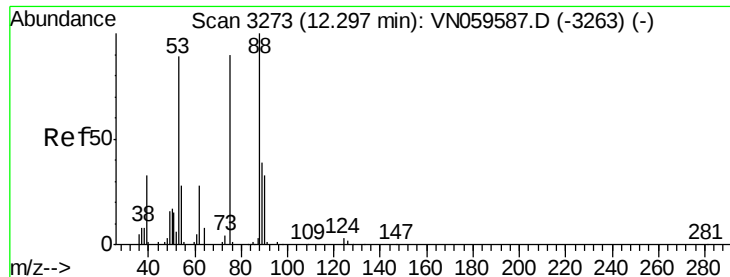
1,2,3-Trichloropropane
Concen: 25.246 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059661.D
Acq: 18 Dec 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 62.354 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

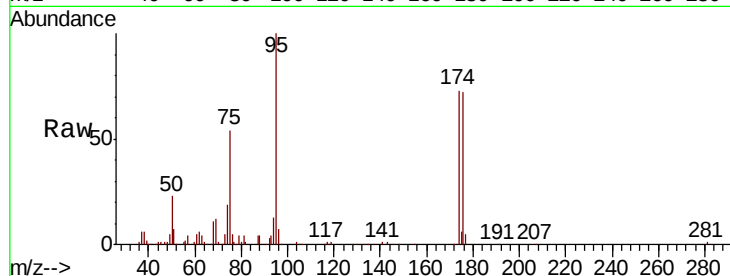
Tot Ion: 75 Resp: 68974

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

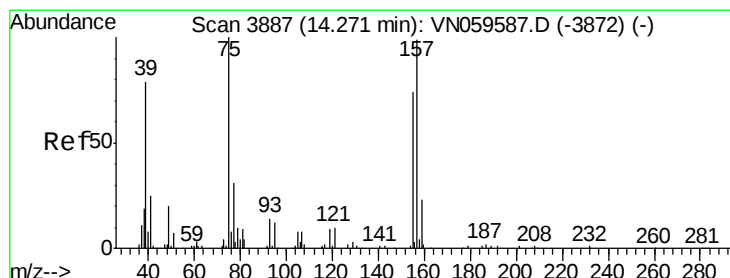
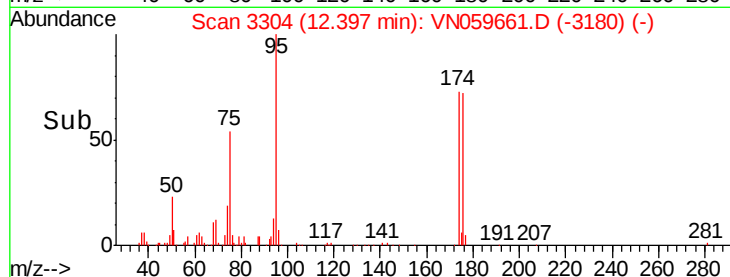
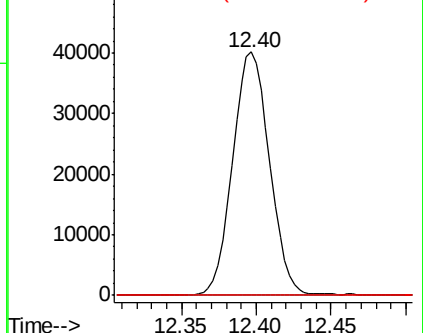
89 0.0 35.4 53.2#



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: 1.903 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059661.D

Acq: 18 Dec 2019 19:44

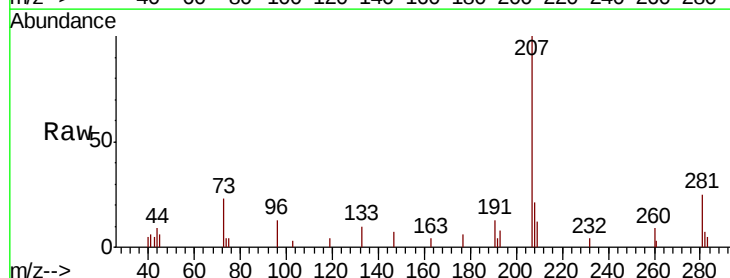
Tgt Ion: 75 Resp: 222

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

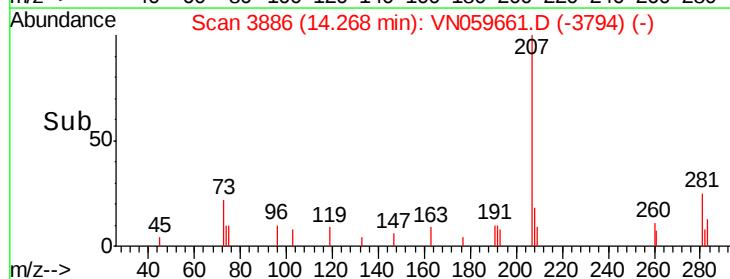
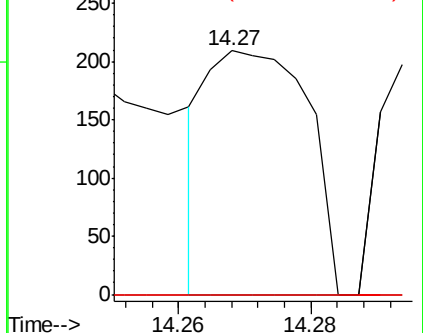
157 0.0 48.4 145.2#

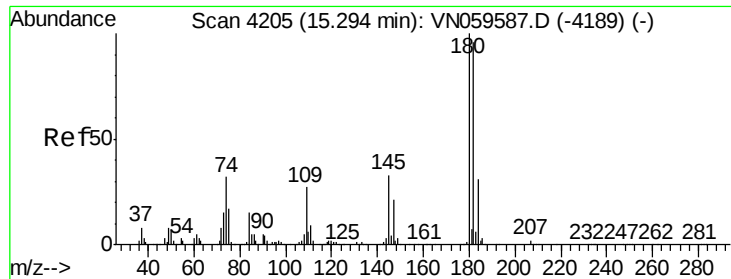


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.203 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. -0.00 min
 Lab File: VN059661.D
 Acq: 18 Dec 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	21.2	47.4	142.3#
145	101.2	16.3	48.9#

