

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059906.D
 Acq On : 29 Jan 2020 12:50
 Operator : JC/MD
 Sample : L1013-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:01:18 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	220071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127907	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	117149	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	7.57	113	99828	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.08	98	396398	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	135653	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

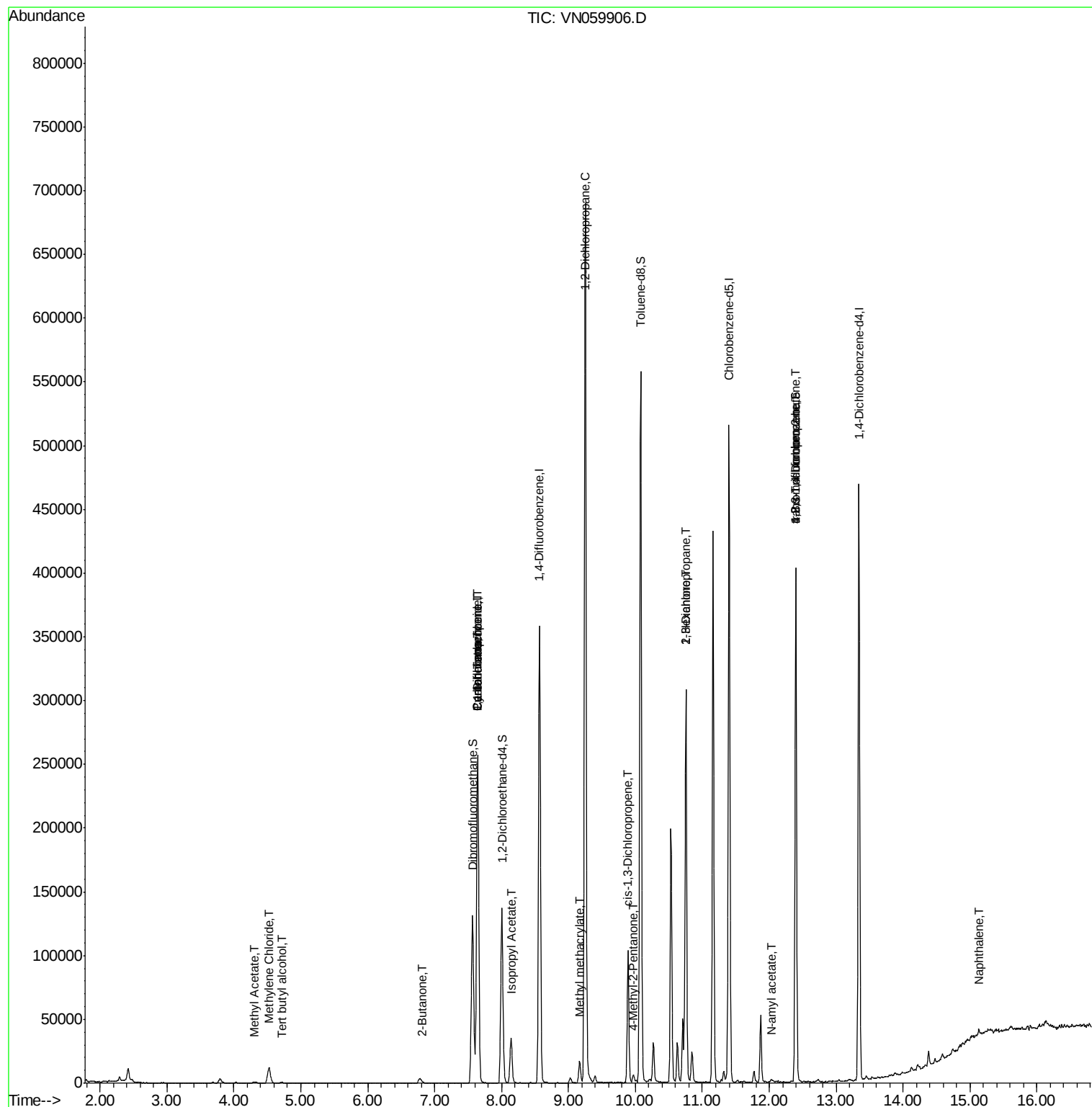
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	214	0.520	ug/l #	72
16) Acetone	3.79	43	5862	Below Cal		90
18) Methyl Acetate	4.30	43	2090	0.732	ug/l #	70
20) Methylene Chloride	4.53	84	9778	3.211	ug/l	86
25) 2-Butanone	6.82	43	517	0.374	ug/l #	50
31) Cyclohexane	7.64	56	4232	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15596	5.373	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19795	6.269	ug/l #	16
43) Isopropyl Acetate	8.14	43	41764	8.918	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	817	0.381	ug/l #	44
48) Methyl methacrylate	9.16	41	2487	1.187	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3574	1.320	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	20176	5.639	ug/l #	56
57) 1,3-Dichloropropane	10.75	76	3302	0.960	ug/l #	42
59) 2-Hexanone	10.75	43	42511	21.316	ug/l #	56
74) N-amyl acetate	12.03	43	2799	0.769	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	68205	31.686	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68205	68.045	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.35	75	125	Below Cal	#	6
95) Naphthalene	15.13	128	3723	0.534	ug/l #	93

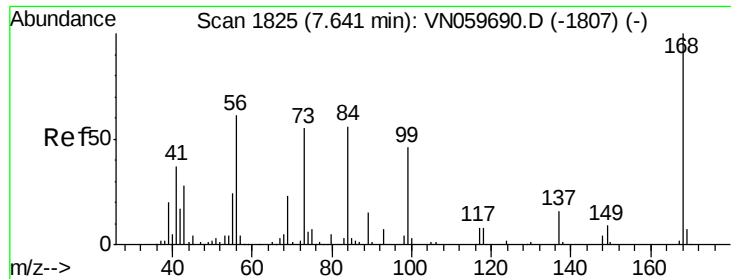
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
Data File : VN059906.D
Acq On : 29 Jan 2020 12:50
Operator : JC/MD
Sample : L1013-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 30 00:01:18 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

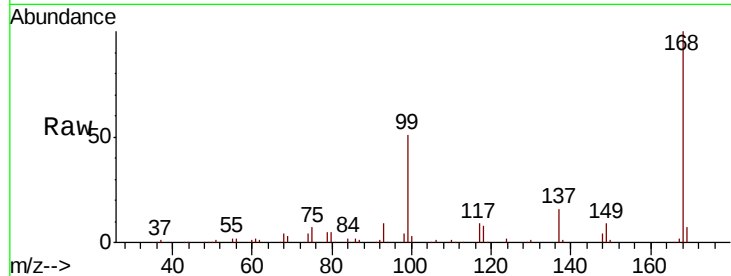
ClientSampleId :

Tot Ion:168 Resp: 220071

Ion Ratio Lower Upper

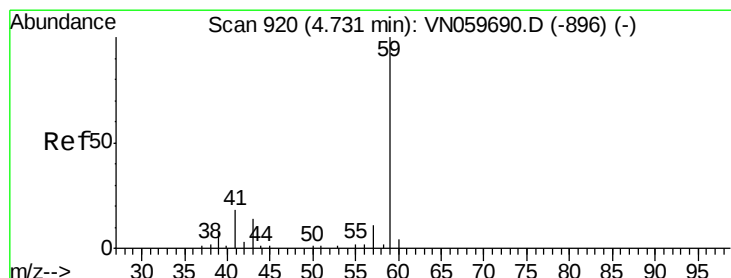
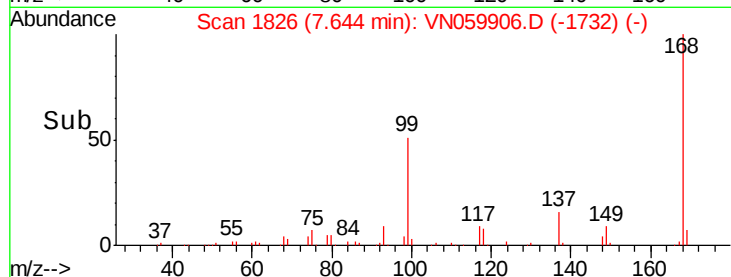
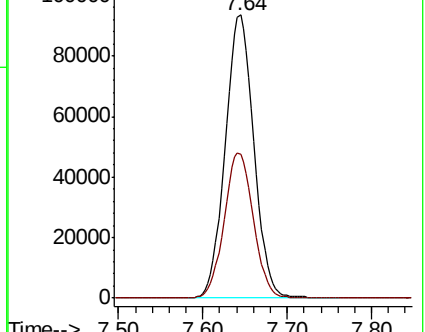
168 100

99 50.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059906.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059906.D (-1807) (-)



#11

Tert butyl alcohol

Concen: 0.520 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.01 min

Lab File: VN059906.D

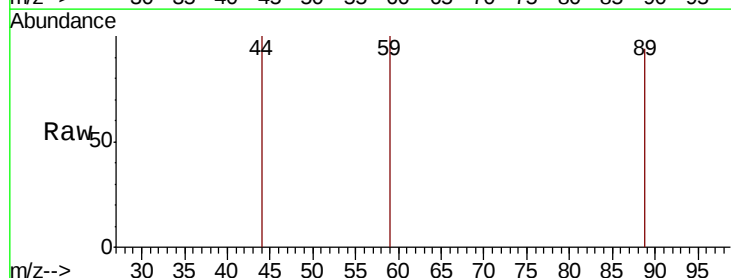
Acq: 29 Jan 2020 12:50

Tgt Ion: 59 Resp: 214

Ion Ratio Lower Upper

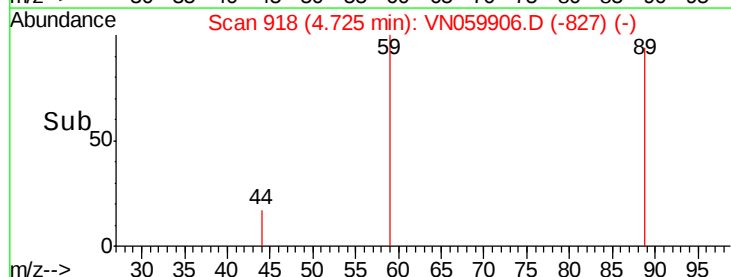
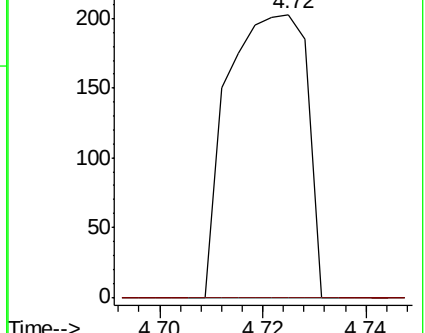
59 100

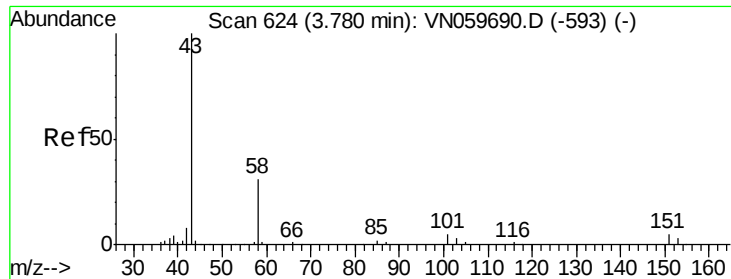
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059906.D (-896) (-)

Ion 57.00 (56.70 to 57.70): VN059906.D (-896) (-)





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

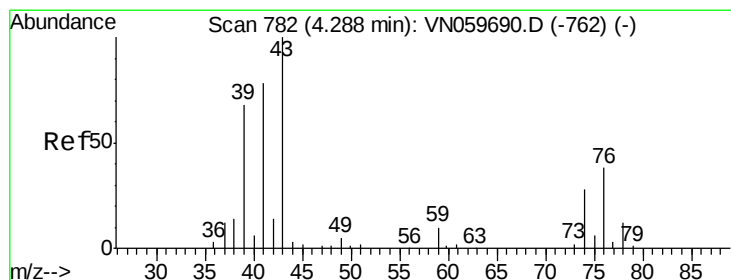
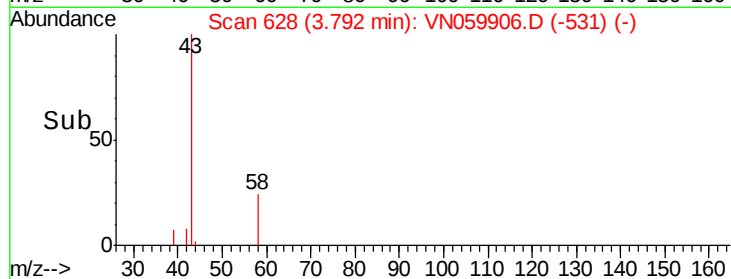
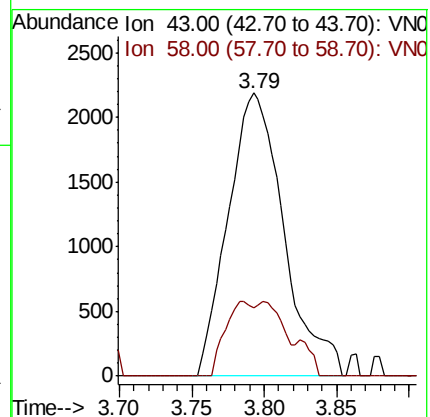
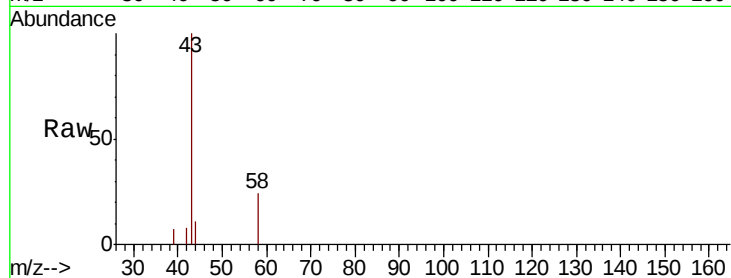
ClientSampleId :

Tot Ion: 43 Resp: 5862

Ion Ratio Lower Upper

43 100

58 24.4 23.6 35.4



#18

Methyl Acetate

Concen: 0.732 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN059906.D

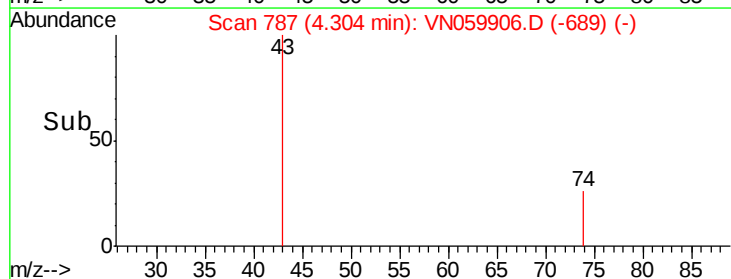
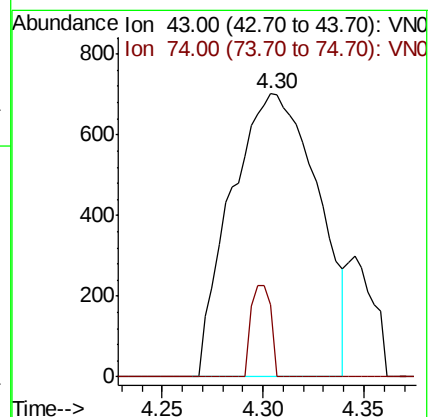
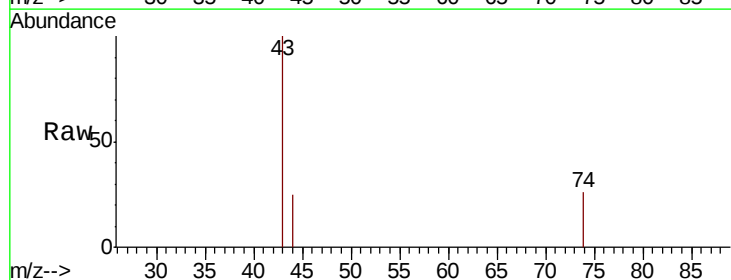
Acq: 29 Jan 2020 12:50

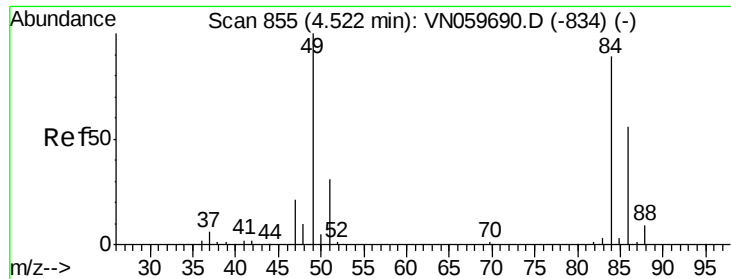
Tgt Ion: 43 Resp: 2090

Ion Ratio Lower Upper

43 100

74 7.5 17.5 26.3#

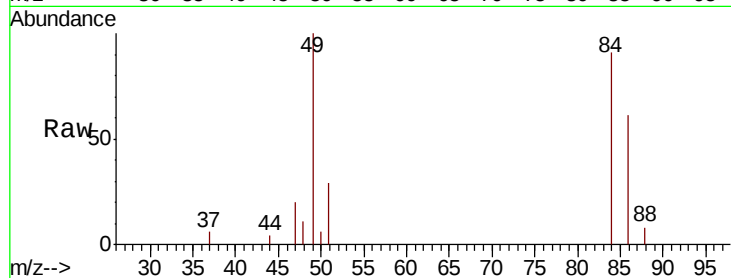




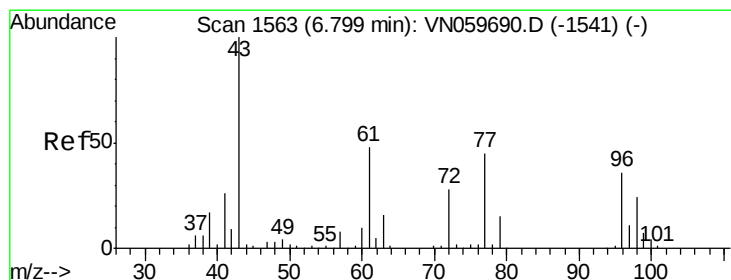
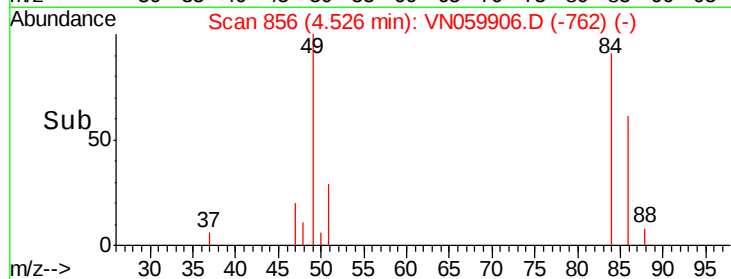
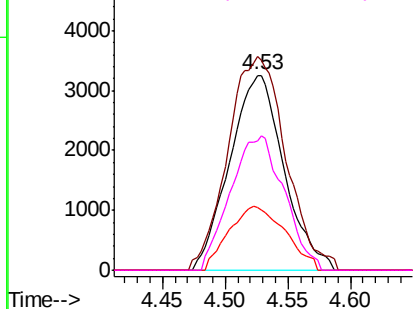
#20
Methvlene Chloride
Concen: 3.211 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 9778
Ion Ratio Lower Upper
84 100
49 109.8 106.6 160.0
51 32.3 31.9 47.9
86 66.7 50.8 76.2

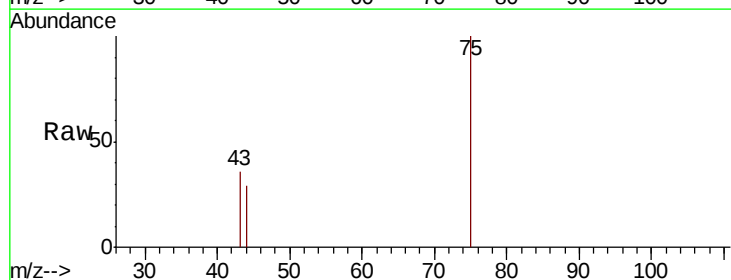


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

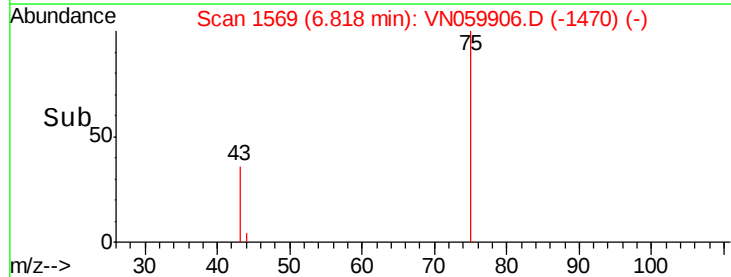
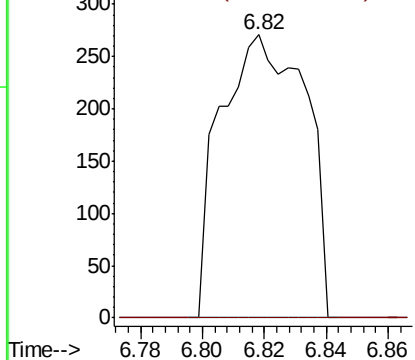


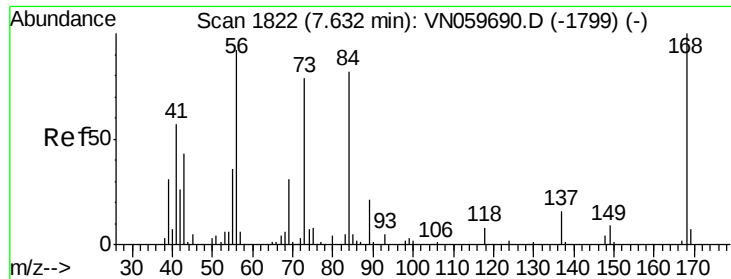
#25
2-Butanone
Concen: 0.374 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

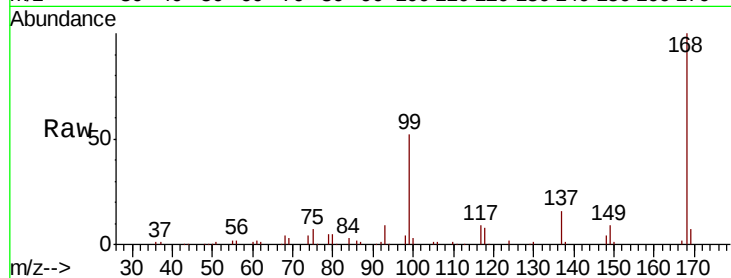




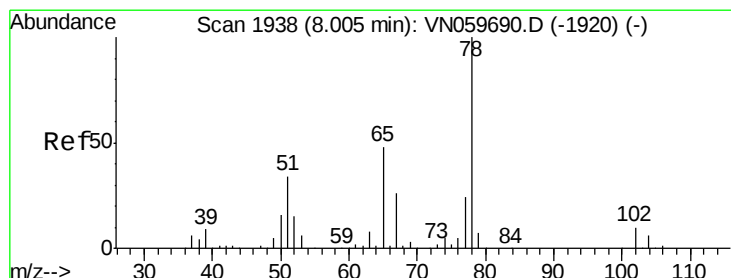
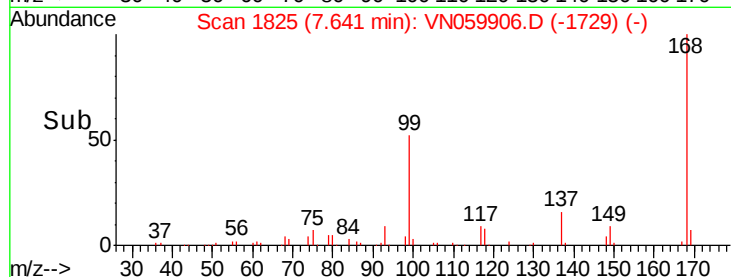
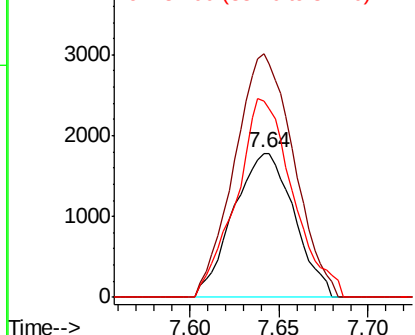
#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4232
Ion Ratio Lower Upper
56 100
69 169.3 26.5 39.7#
84 136.5 65.3 97.9#

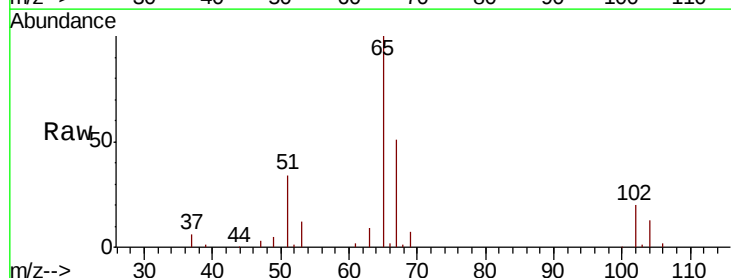


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

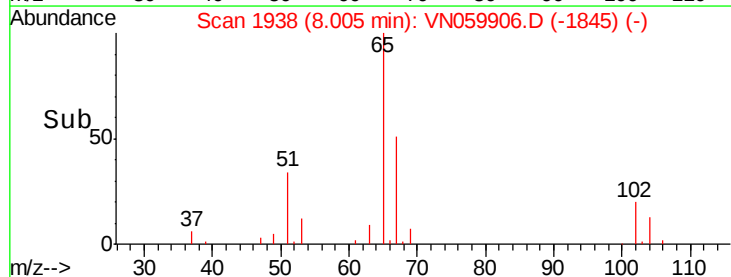
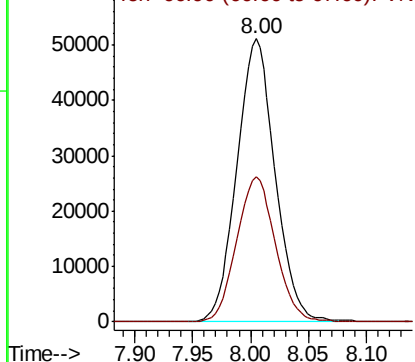


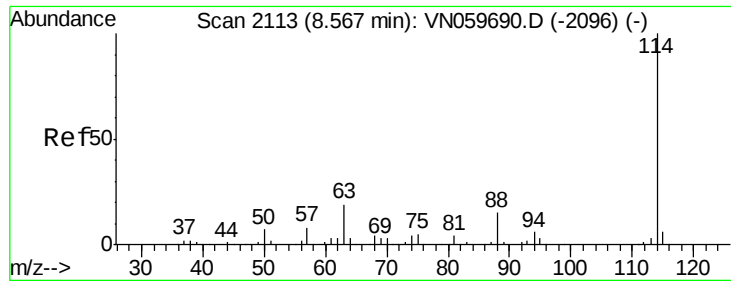
#33
1,2-Dichloroethane-d4
Concen: 47.934 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Tgt Ion: 65 Resp: 117149
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0



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: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

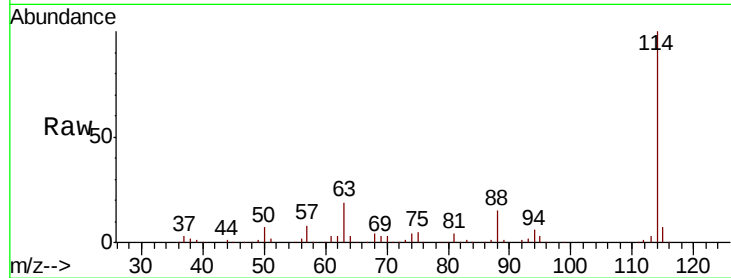
Tot Ion:114 Resp: 333336

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.6

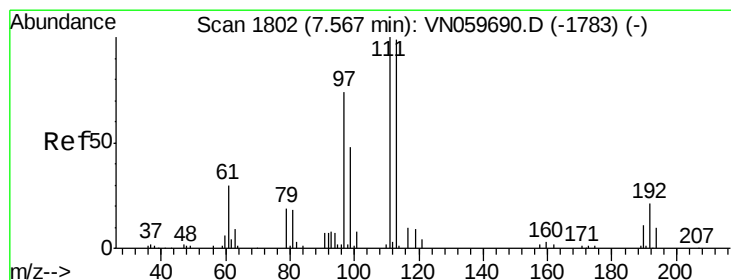
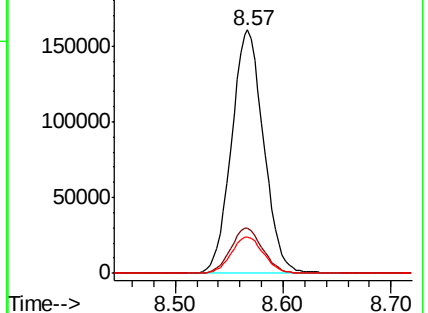
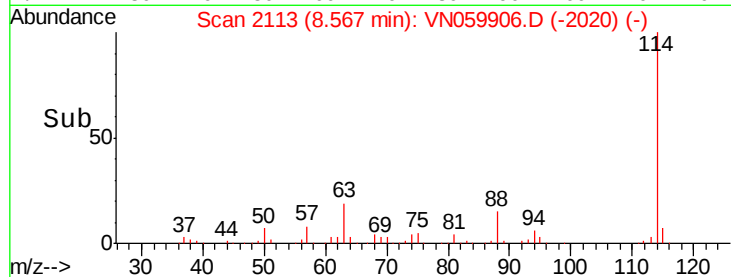
88 15.1 0.0 31.4



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: 50.220 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

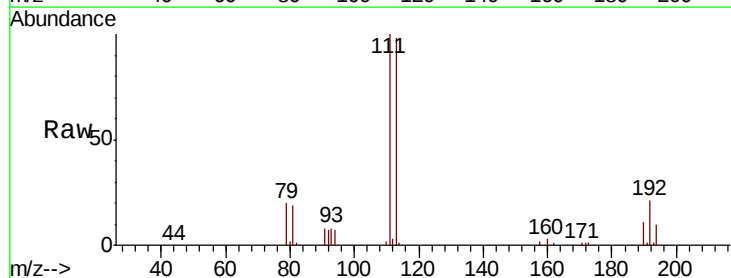
Tgt Ion:113 Resp: 99828

Ion Ratio Lower Upper

113 100

111 101.9 83.5 125.3

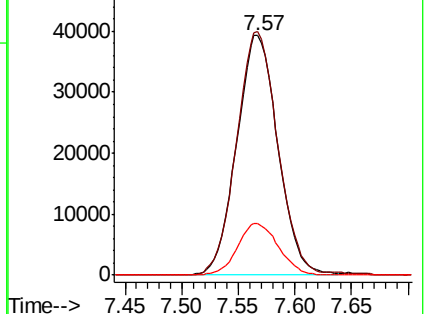
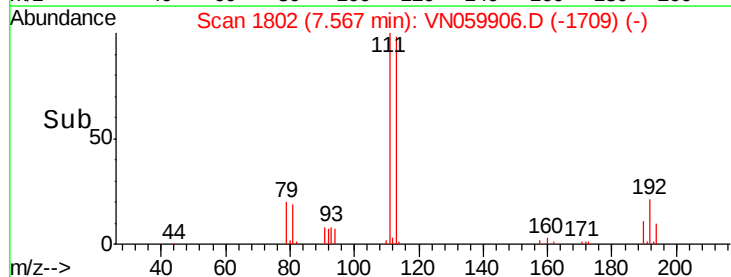
192 21.3 15.4 23.2

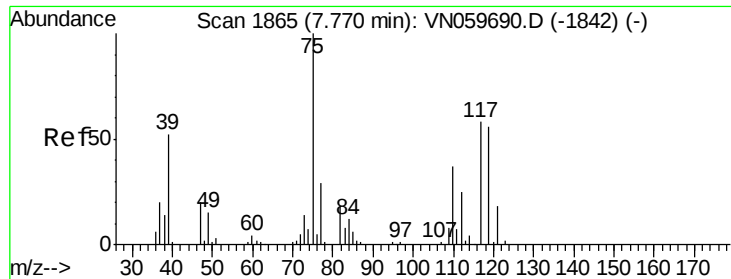


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

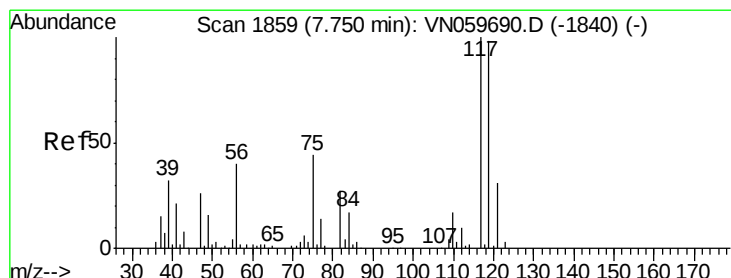
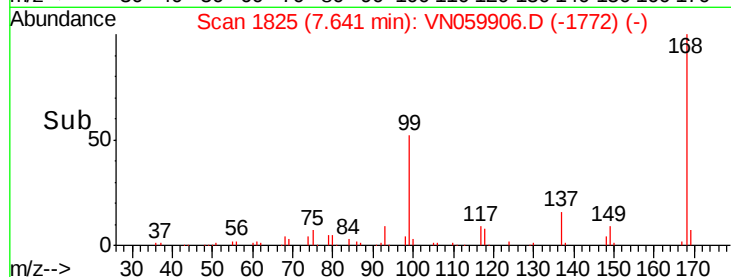
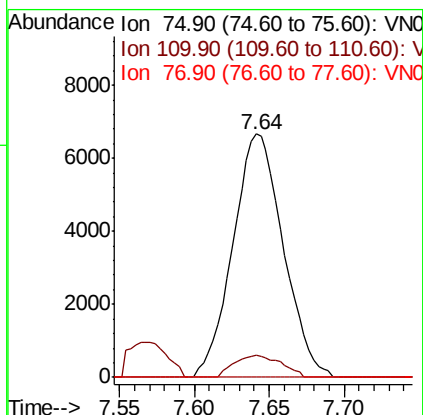
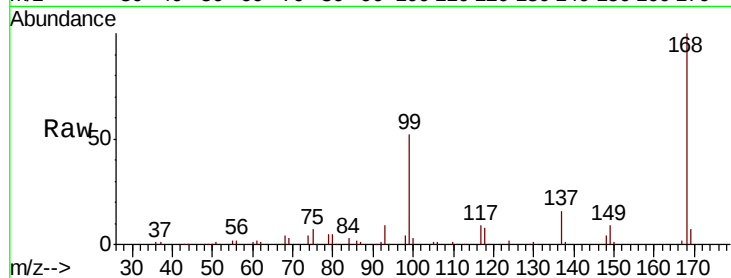




#36
 1,1-Dichloropropene
 Concen: 5.373 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059906.D
 Acq: 29 Jan 2020 12:50

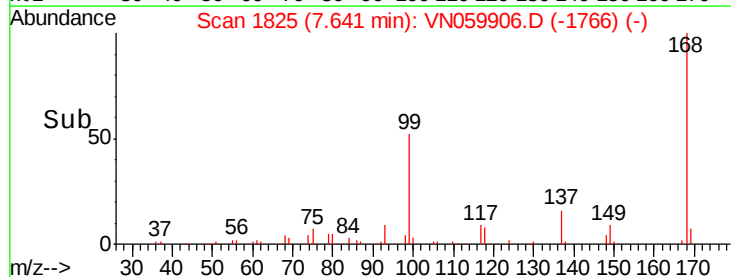
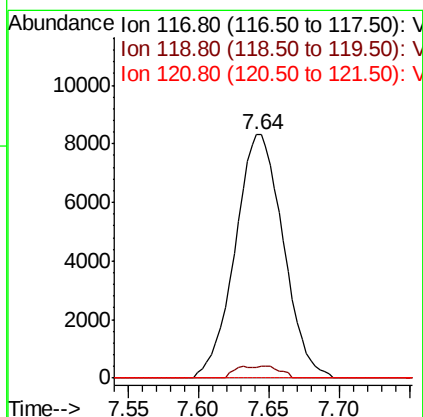
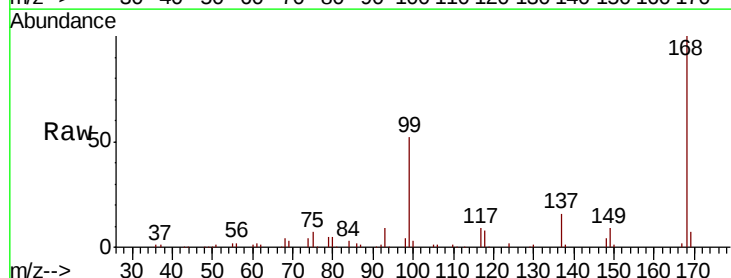
Instrument :
 MSVOA_N
 ClientSampled :

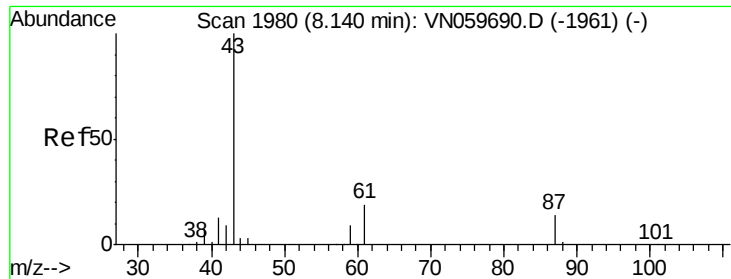
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.269 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059906.D
 Acq: 29 Jan 2020 12:50

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





#43

Isopropyl Acetate

Concen: 8.918 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

ClientSampled :

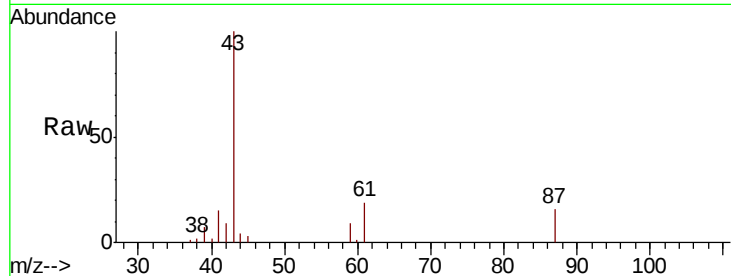
Tot Ion: 43 Resp: 41764

Ion Ratio Lower Upper

43 100

61 19.6 20.2 30.2#

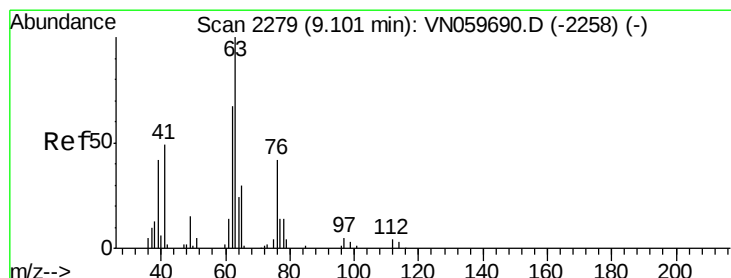
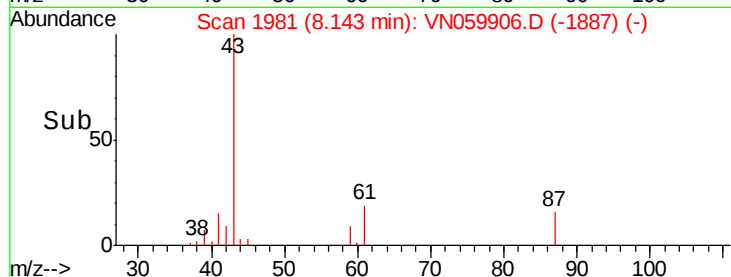
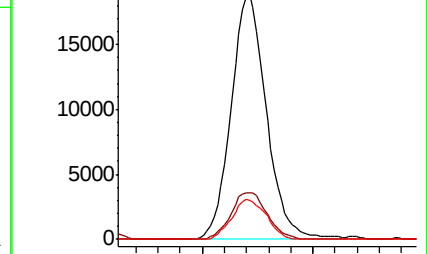
87 15.8 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059906.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059906.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059906.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.381 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059906.D

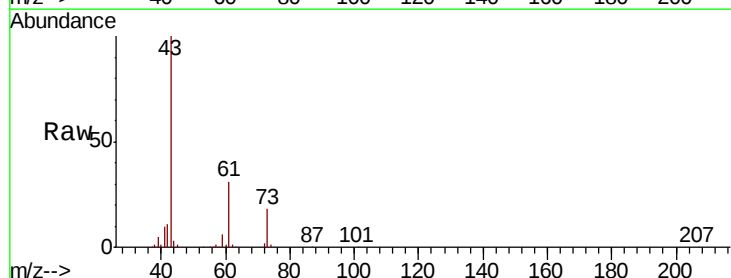
Acq: 29 Jan 2020 12:50

Tgt Ion: 63 Resp: 817

Ion Ratio Lower Upper

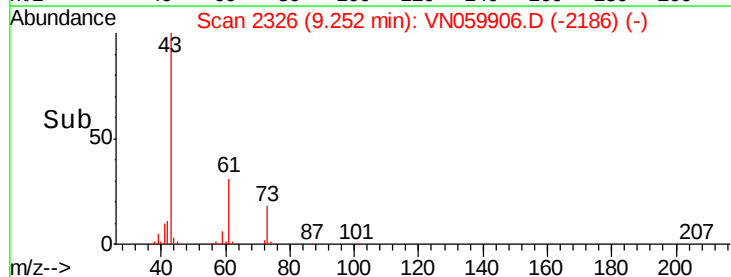
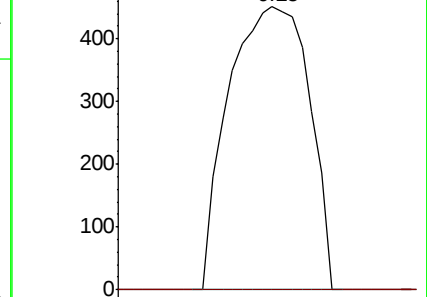
63 100

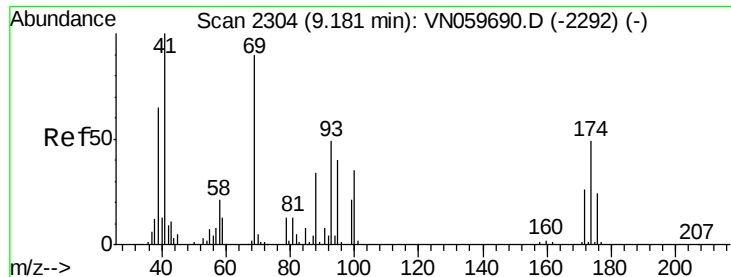
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059906.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN059906.D (-2258) (-)

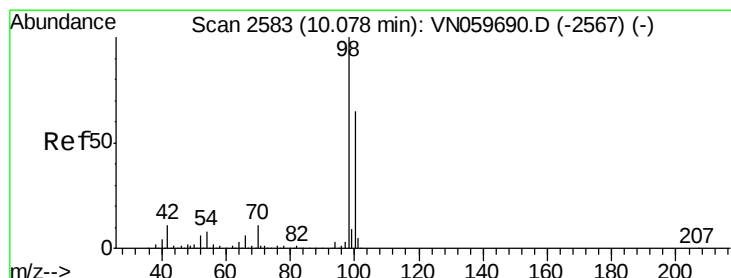
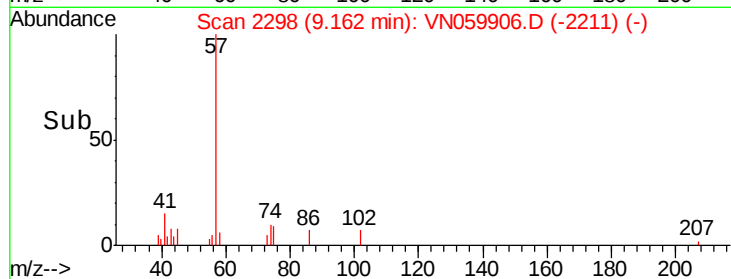
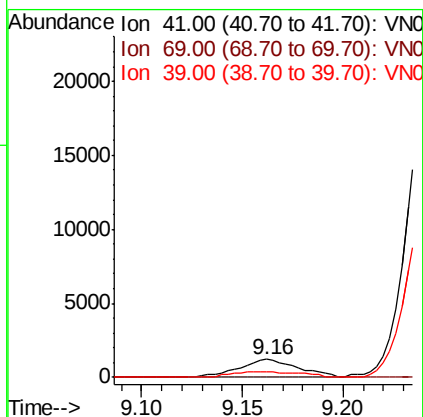
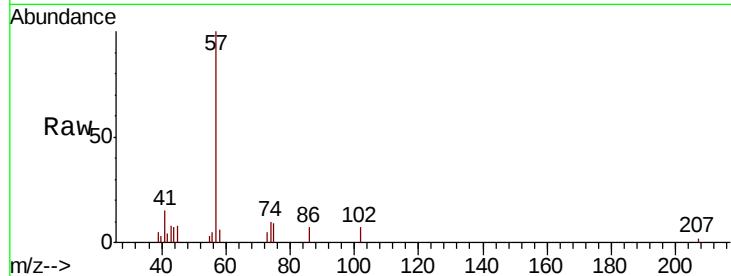




#48
Methvl methacrylate
Concen: 1.187 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

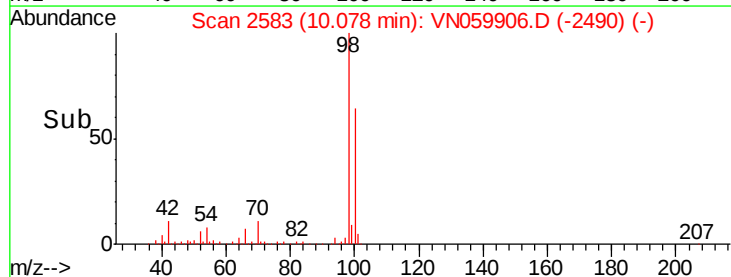
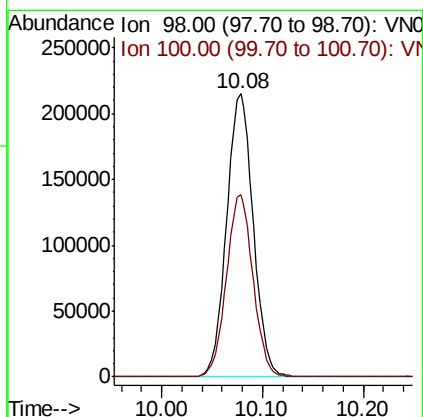
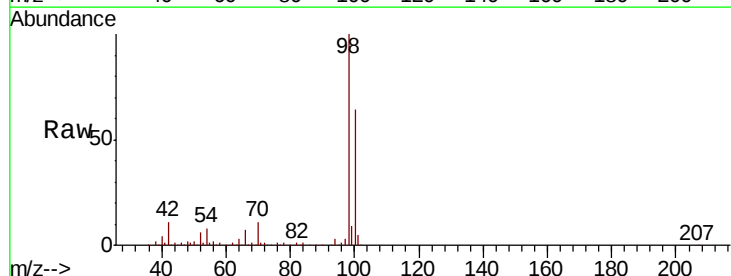
Instrument :
MSVOA_N
ClientSampleId :

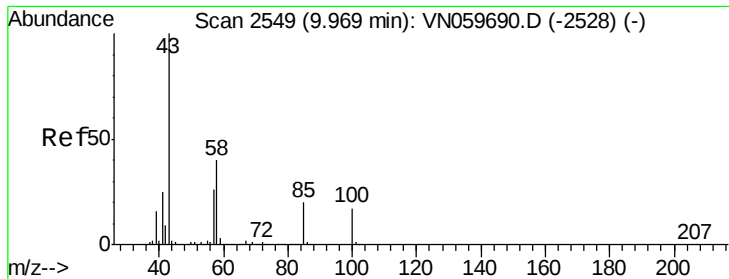
Tot Ion: 41 Resp: 2487
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.468 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Tgt Ion: 98 Resp: 396398
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.320 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

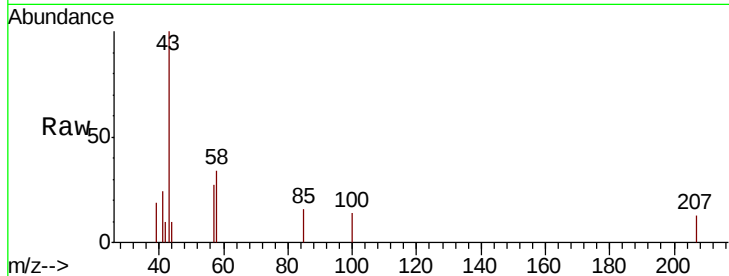
ClientSampled :

Tot Ion: 43 Resp: 3574

Ion Ratio Lower Upper

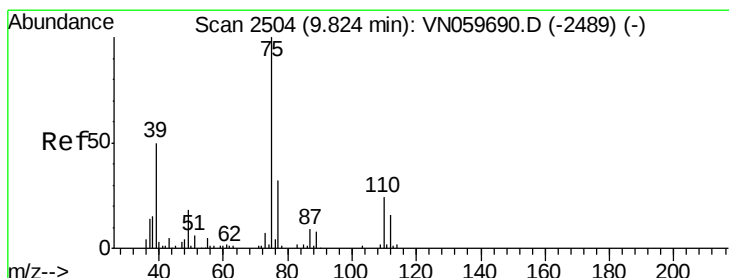
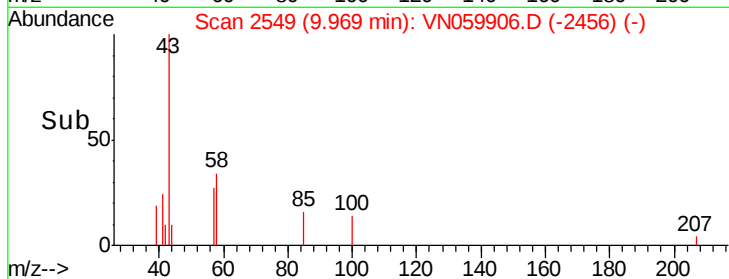
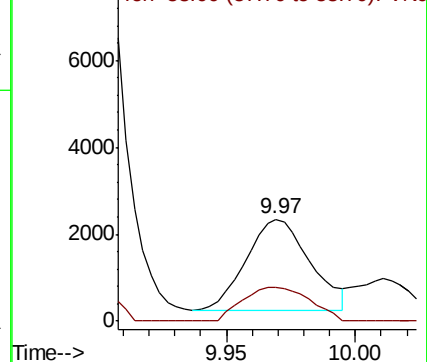
43 100

58 39.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059906.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059906.D (-2528) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.639 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

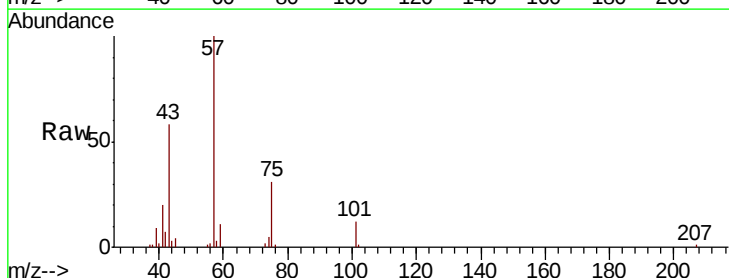
Tgt Ion: 75 Resp: 20176

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

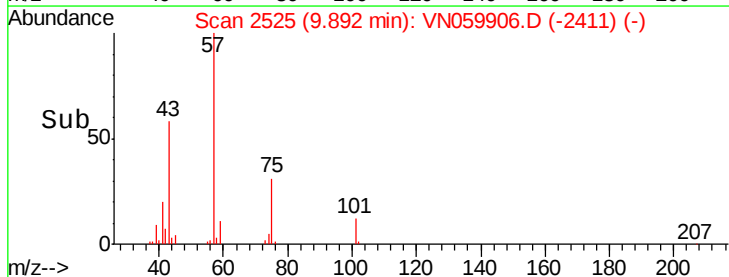
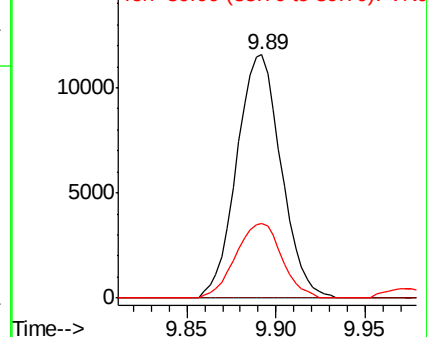
39 30.5 46.1 69.1#

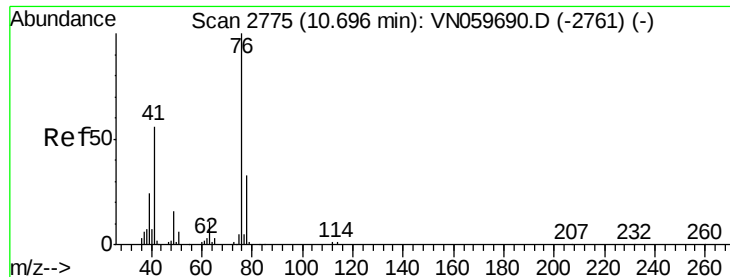


Abundance Ion 74.90 (74.60 to 75.60): VN059906.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN059906.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN059906.D (-2489) (-)

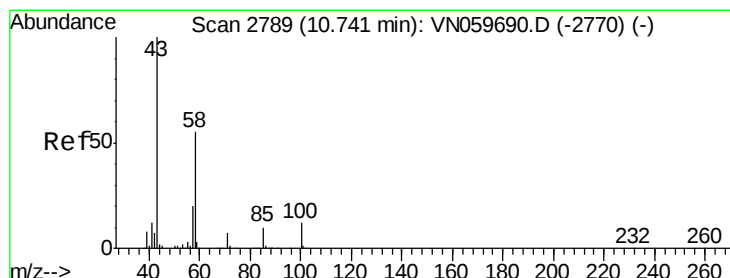
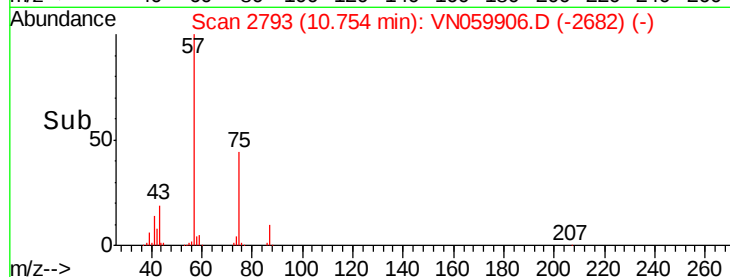
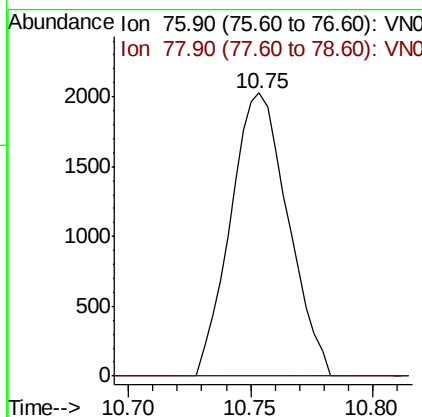
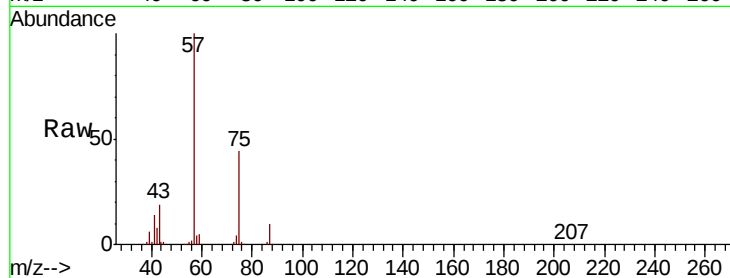




#57
 1,3-Dichloropropane
 Concen: 0.960 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059906.D
 Acq: 29 Jan 2020 12:50

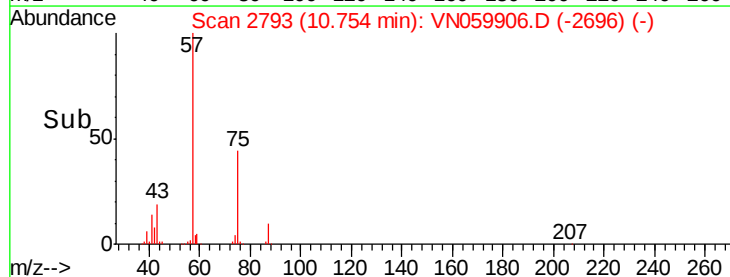
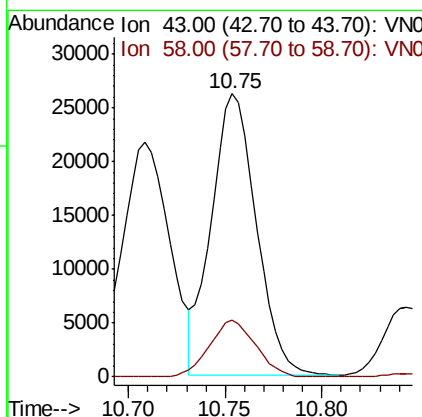
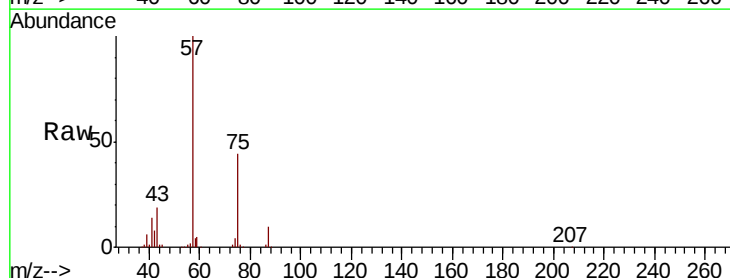
Instrument :
 MSVOA_N
 ClientSampled :

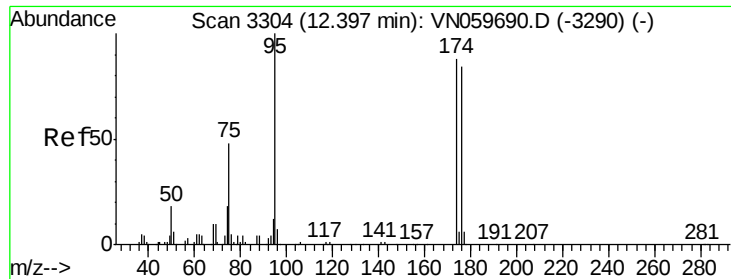
Tot Ion: 76 Resp: 3302
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 21.316 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059906.D
 Acq: 29 Jan 2020 12:50

Tgt Ion: 43 Resp: 42511
 Ion Ratio Lower Upper
 43 100
 58 20.4 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 48.857 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

ClientSampled :

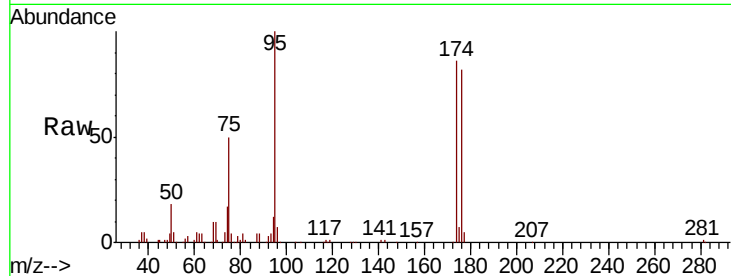
Tot Ion: 95 Resp: 135653

Ion Ratio Lower Upper

95 100

174 87.4 0.0 151.4

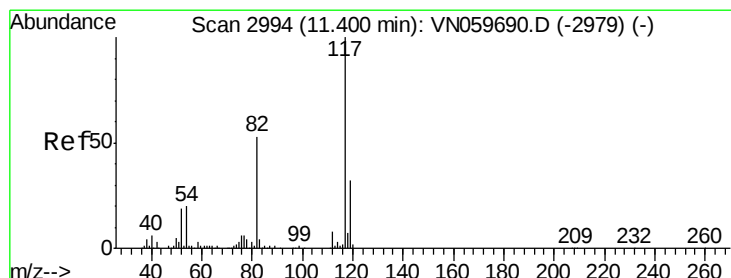
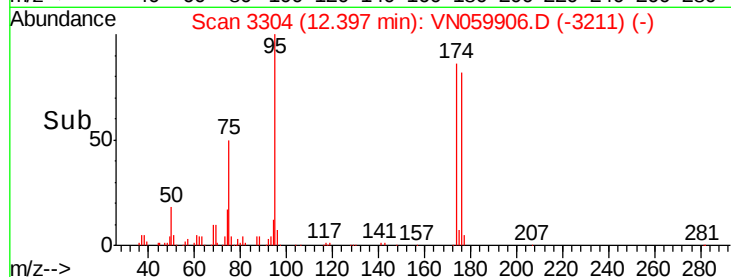
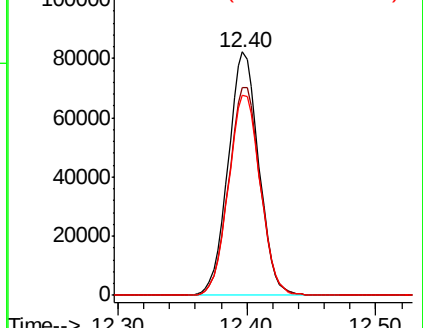
176 85.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059906.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059906.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059906.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

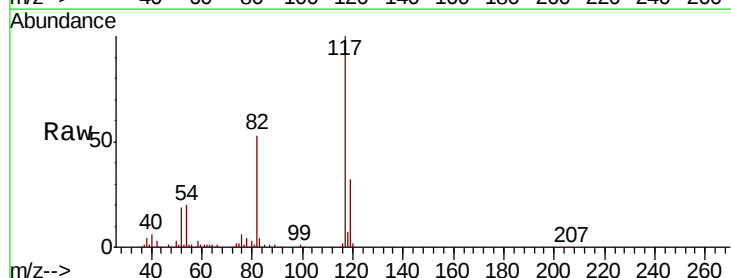
Tgt Ion: 117 Resp: 302969

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

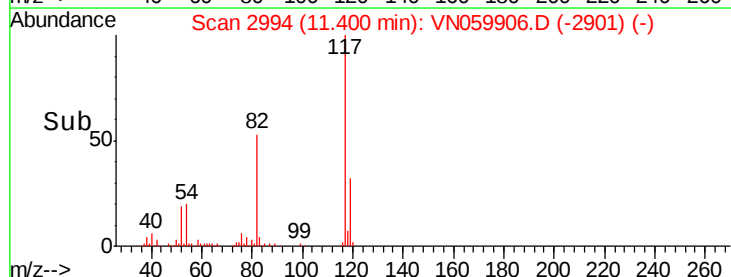
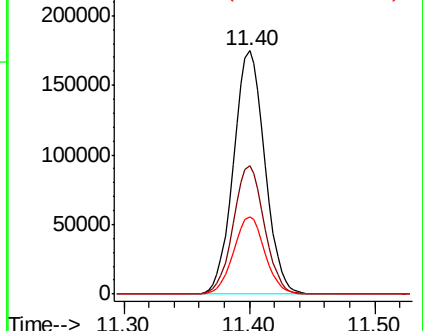
119 31.8 25.5 38.3

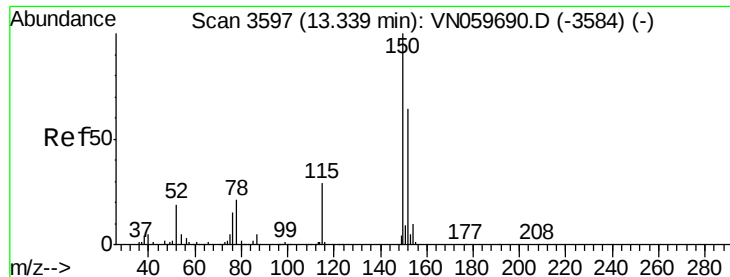


Abundance Ion 116.90 (116.60 to 117.60): VN059906.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059906.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059906.D (-2979) (-)



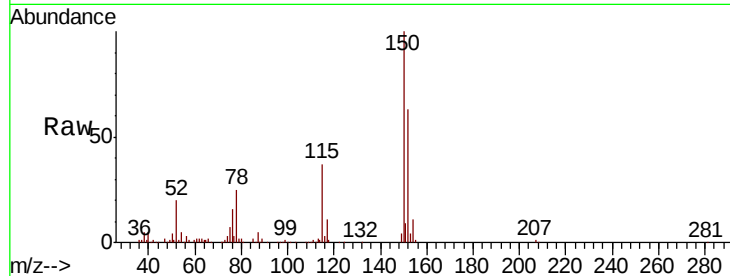


#72

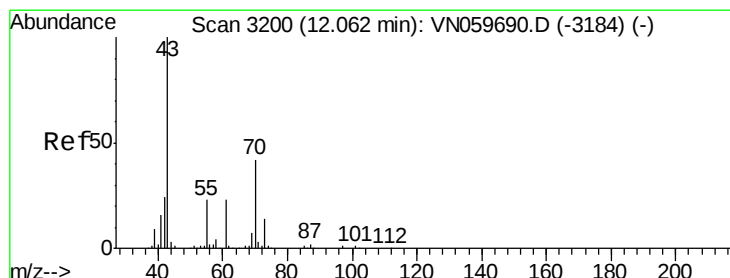
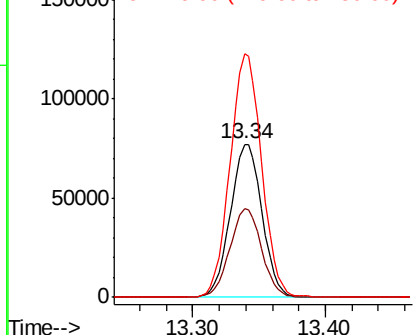
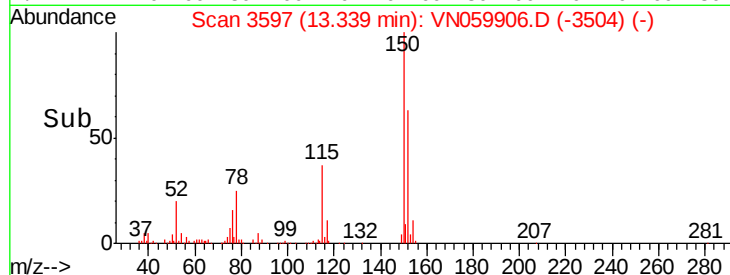
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.3	90.9
150	158.8	0.0	345.2



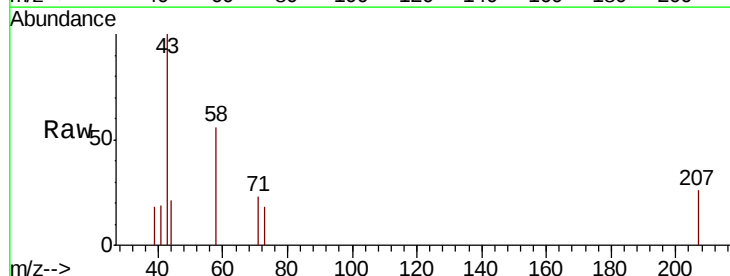
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



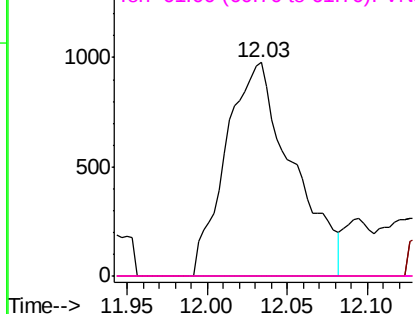
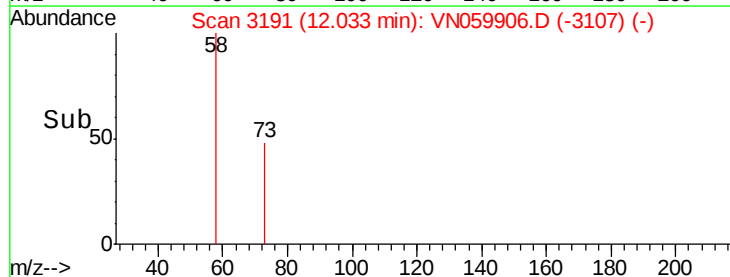
#74

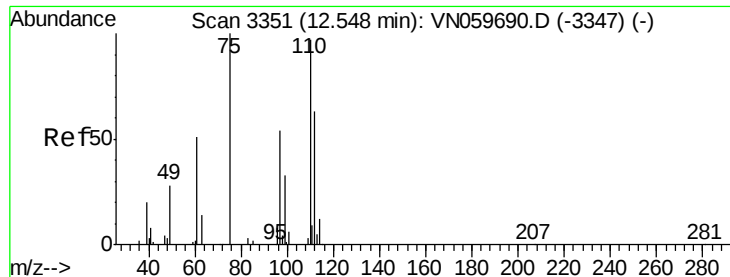
N-ethyl acetate
Concen: 0.769 ug/l
RT: 12.03 min Scan# 3191
Delta R.T. -0.03 min
Lab File: VN059906.D
Acq: 29 Jan 2020 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	0.0	19.8	29.6#
61	0.0	18.3	27.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 31.686 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

Instrument :

MSVOA_N

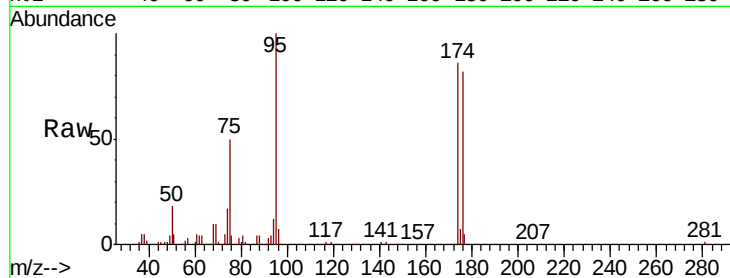
ClientSampleId :

Tot Ion: 75 Resp: 68205

Ion Ratio Lower Upper

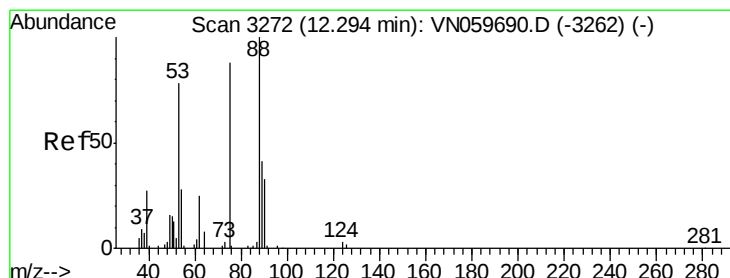
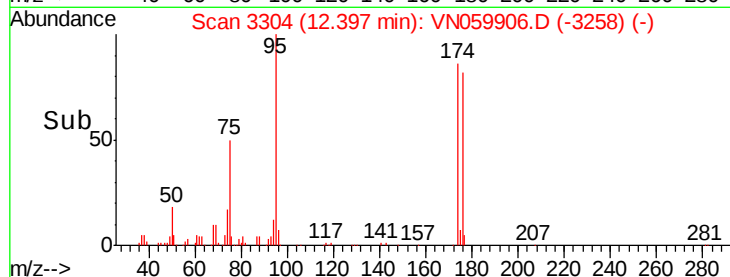
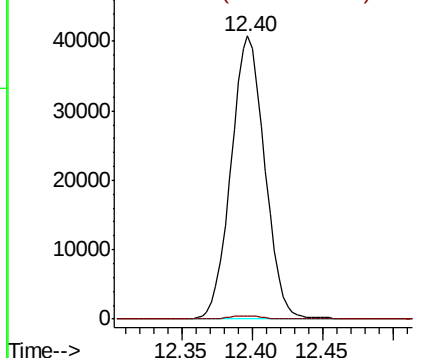
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 68.045 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059906.D

Acq: 29 Jan 2020 12:50

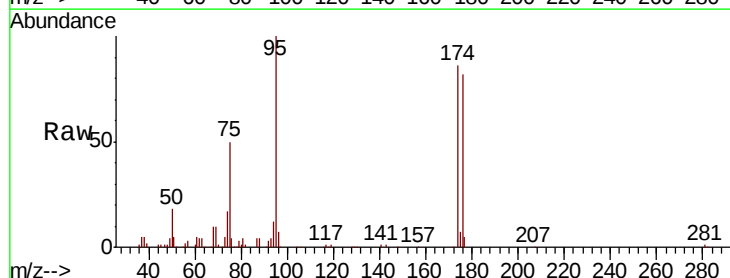
Tgt Ion: 75 Resp: 68205

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

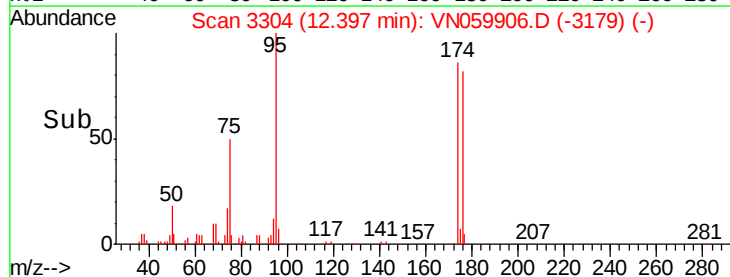
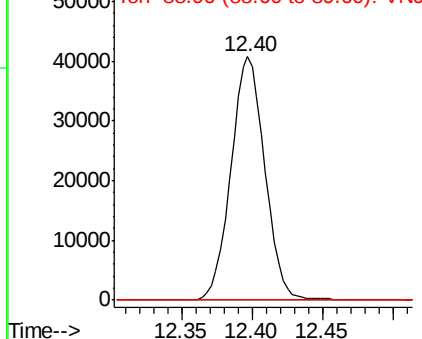
89 0.0 35.4 53.2#

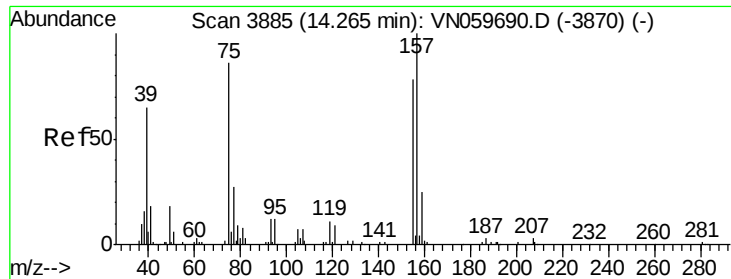


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

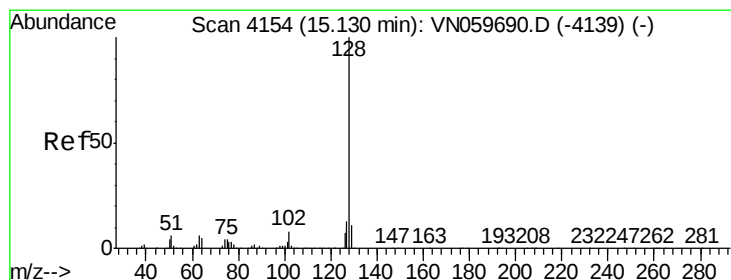
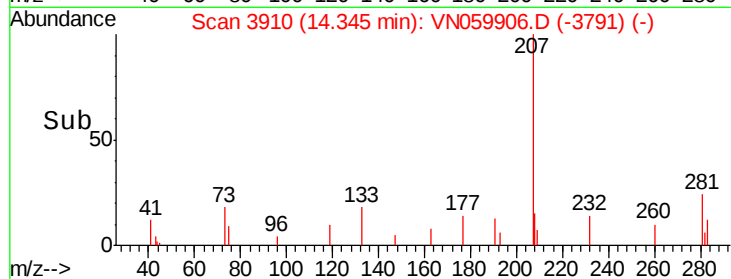
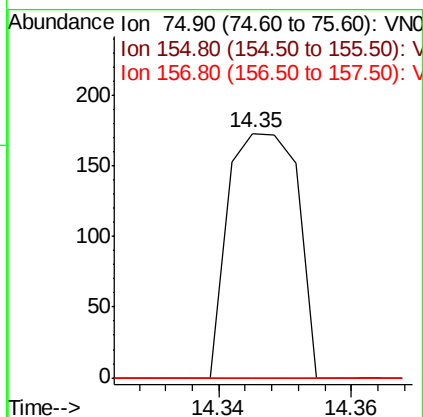
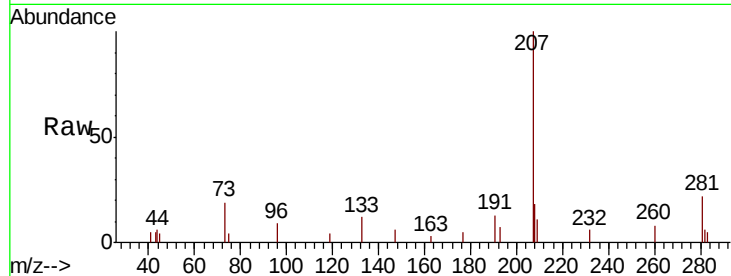




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.35 min Scan# 3910
 Delta R.T. 0.08 min
 Lab File: VN059906.D
 Acq: 29 Jan 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 125
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#95
 Naphthalene
 Concen: 0.534 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059906.D
 Acq: 29 Jan 2020 12:50

Tgt Ion: 128 Resp: 3723
 Ion Ratio Lower Upper
 128 100
 127 10.7 10.4 15.6
 129 7.6 8.6 12.8#

