

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059916.D
 Acq On : 29 Jan 2020 16:44
 Operator : JC/MD
 Sample : PB126412ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:03:43 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	214339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	325518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124697	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	115096	48.35	ug/l	0.00
Spiked Amount						
			Recovery	=	96.70%	
35) Dibromofluoromethane	7.57	113	99224	51.11	ug/l	0.00
Spiked Amount						
			Recovery	=	102.22%	
50) Toluene-d8	10.08	98	388096	51.60	ug/l	0.00
Spiked Amount						
			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	132341	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	

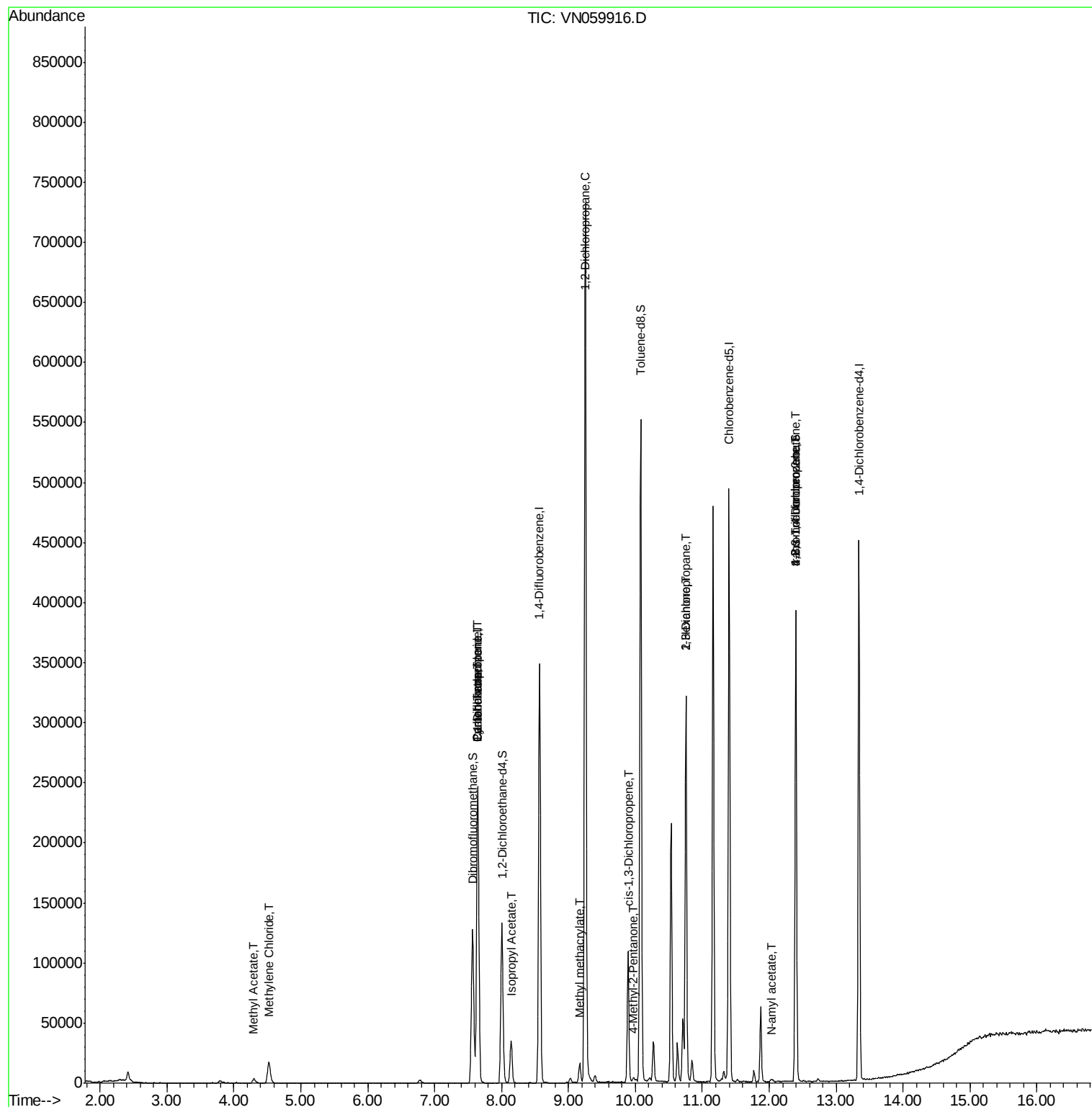
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3820	Below Cal		91
18) Methyl Acetate	4.30	43	7007	2.520	ug/l	96
20) Methylene Chloride	4.52	84	14688	5.673	ug/l #	84
31) Cyclohexane	7.64	56	4152	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14637	5.163	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19753	6.406	ug/l #	16
43) Isopropyl Acetate	8.14	43	42033	9.191	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	871	0.416	ug/l #	44
48) Methyl methacrylate	9.16	41	2380	1.164	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2891	1.094	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	21127	6.047	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3516	1.047	ug/l #	42
59) 2-Hexanone	10.75	43	45542	23.384	ug/l #	55
74) N-amyl acetate	12.02	43	1767	0.498	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	65012	30.980	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	65012	66.529	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.34	75	60	Below Cal	#	6

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

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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# 1826

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

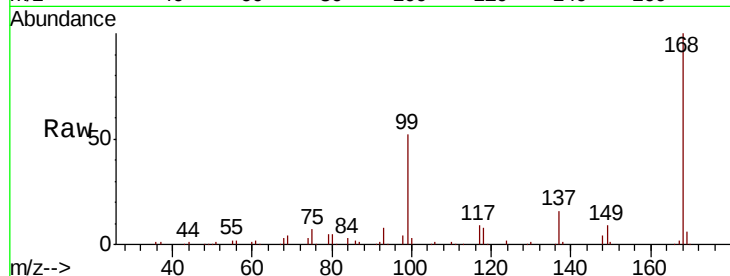
ClientSampleId :

Tot Ion:168 Resp: 214339

Ion Ratio Lower Upper

168 100

99 51.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059916.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059916.D (-1732) (-)

7.64

80000

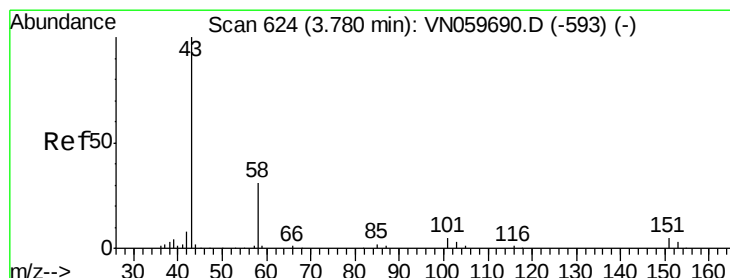
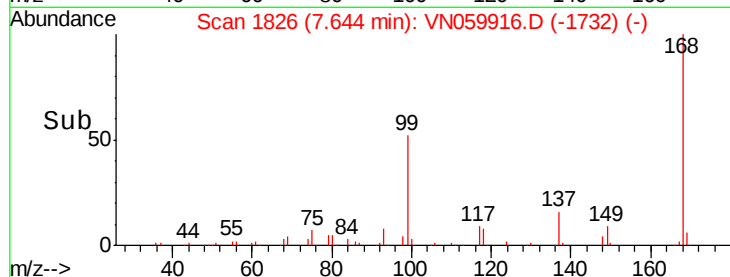
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059916.D

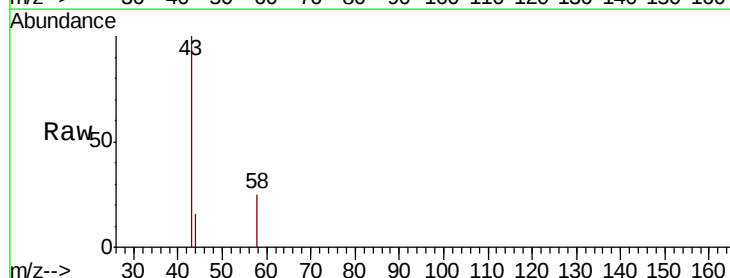
Acq: 29 Jan 2020 16:44

Tgt Ion: 43 Resp: 3820

Ion Ratio Lower Upper

43 100

58 24.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059916.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059916.D (-531) (-)

3.79

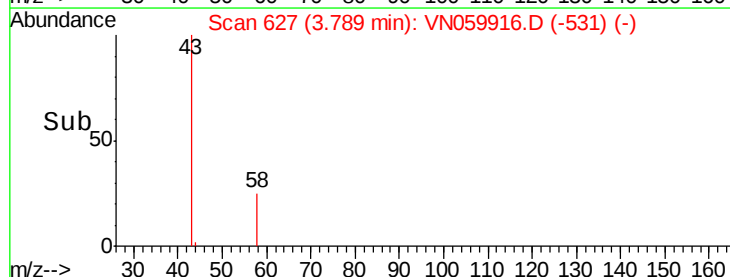
1500

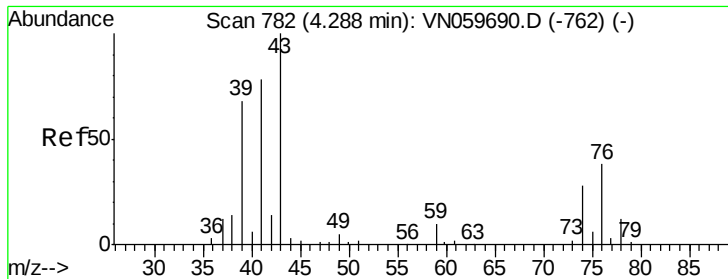
1000

500

0

Time--> 3.75 3.80 3.85

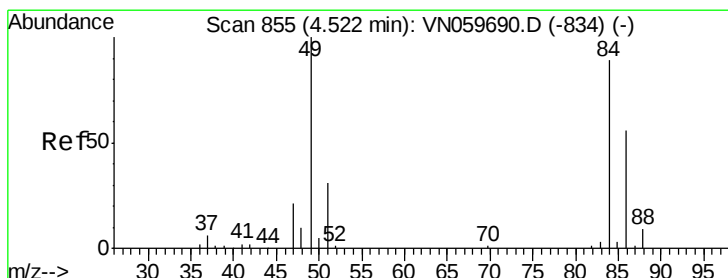
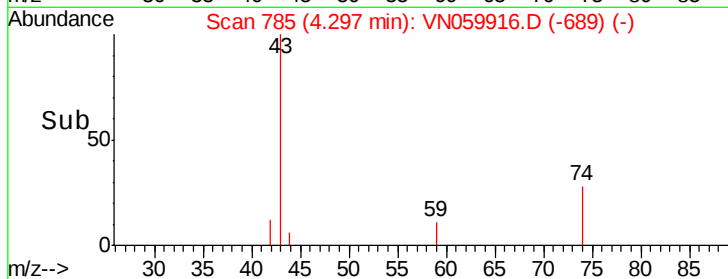
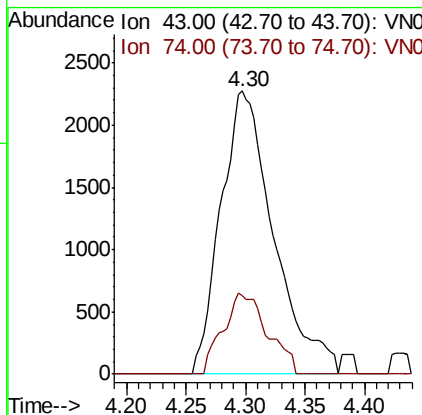
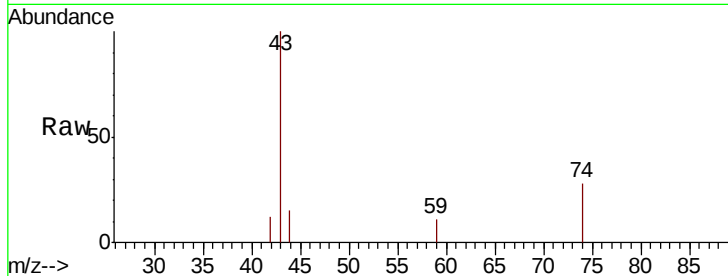




#18
Methyl Acetate
Concen: 2.520 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

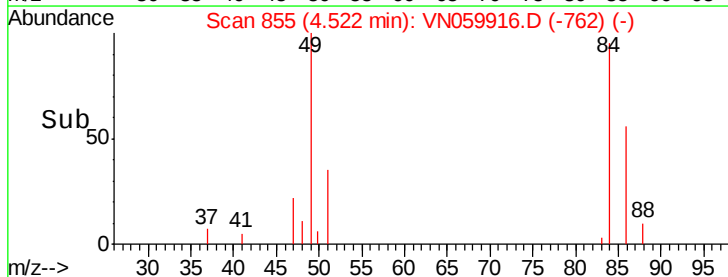
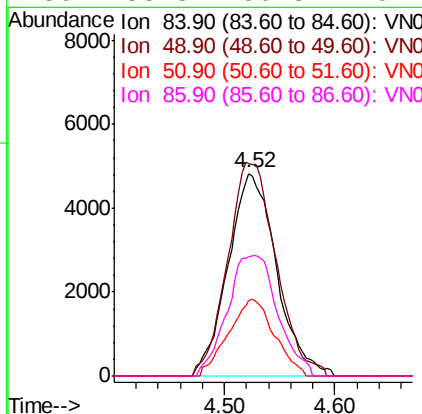
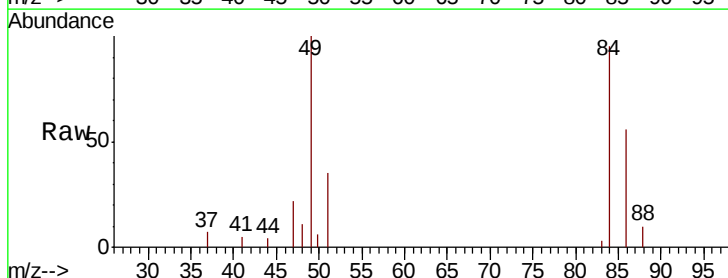
Instrument :
MSVOA_N
ClientSampled :

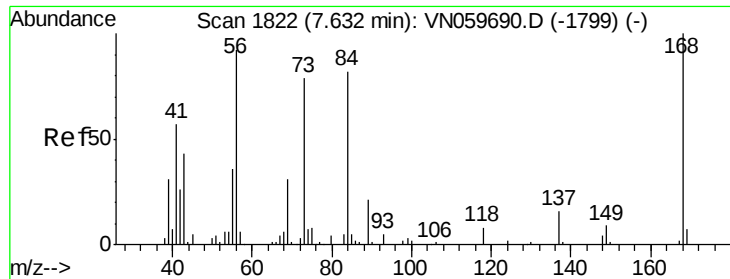
Tot Ion: 43 Resp: 7007
Ion Ratio Lower Upper
43 100
74 24.0 17.5 26.3



#20
Methylene Chloride
Concen: 5.673 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 84 Resp: 14688
Ion Ratio Lower Upper
84 100
49 105.1 106.6 160.0#
51 37.2 31.9 47.9
86 58.8 50.8 76.2

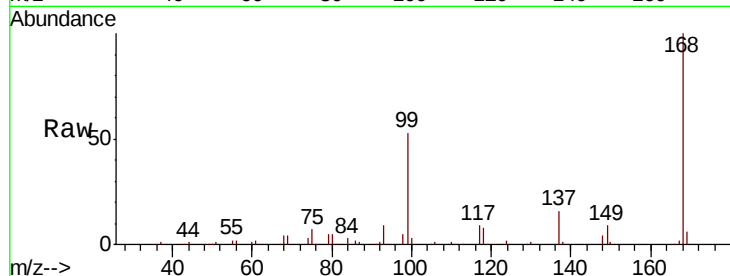




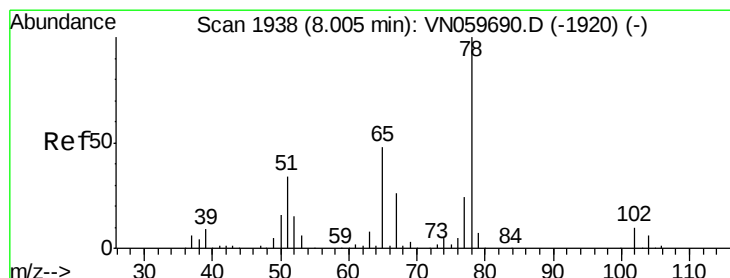
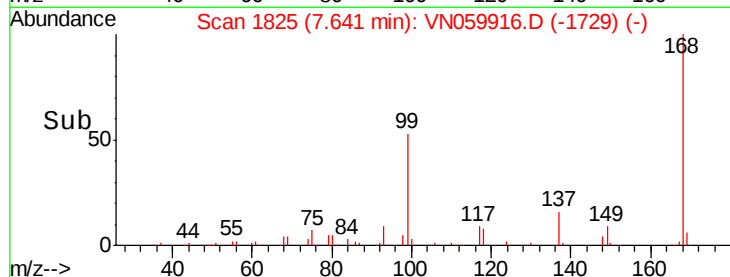
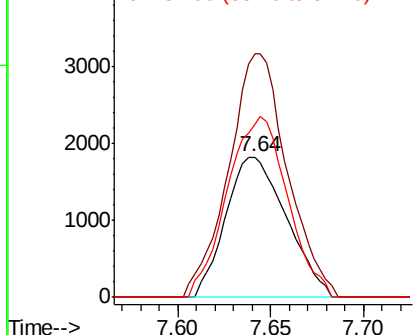
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4152
Ion Ratio Lower Upper
56 100
69 173.3 26.5 39.7#
84 122.9 65.3 97.9#

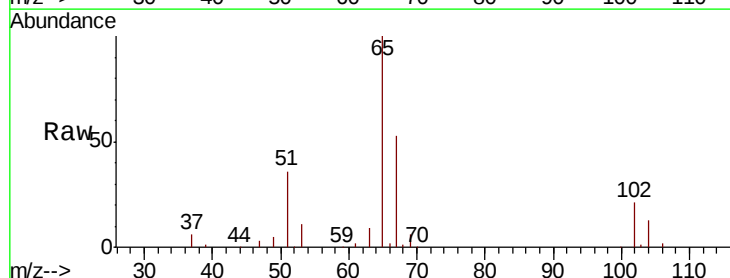


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

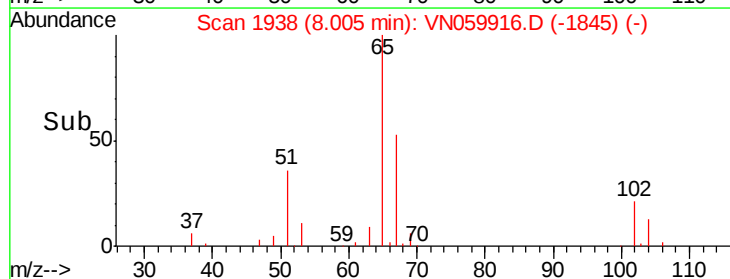
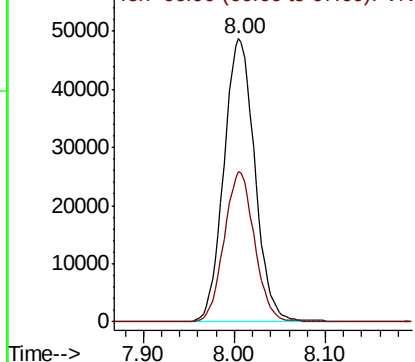


#33
1,2-Dichloroethane-d4
Concen: 48.354 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 65 Resp: 115096
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0



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

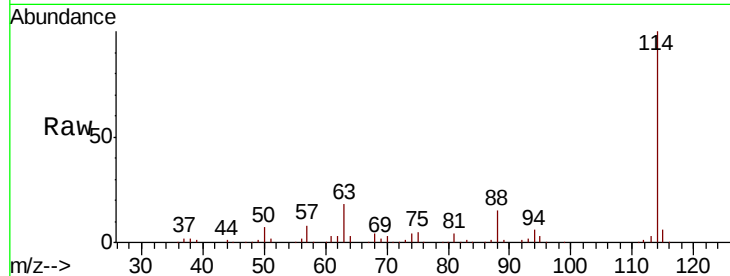




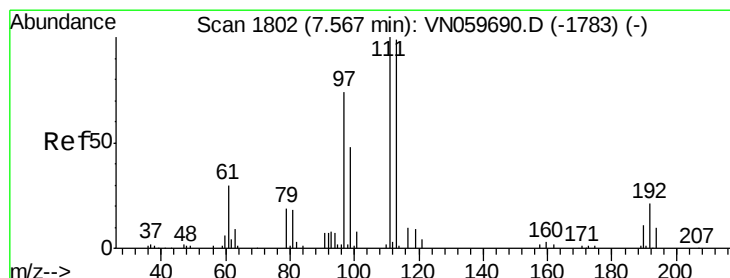
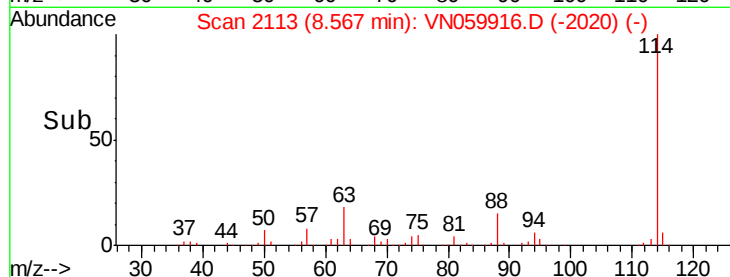
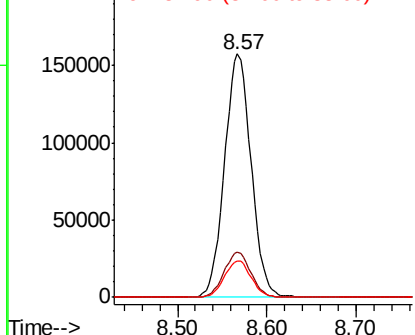
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059916.D
 Acq: 29 Jan 2020 16:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 325518
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 15.0 0.0 31.4

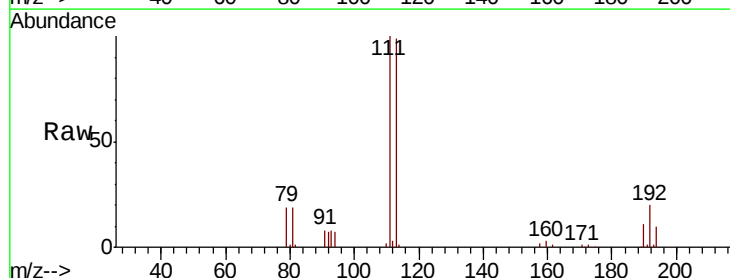


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

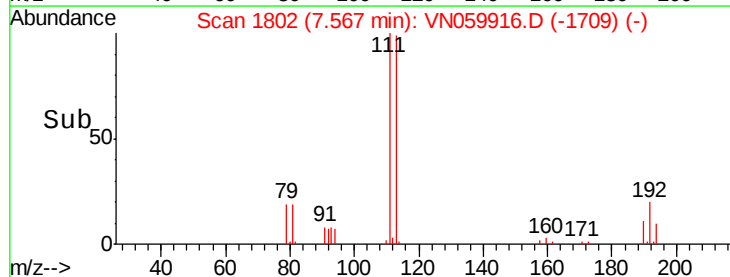
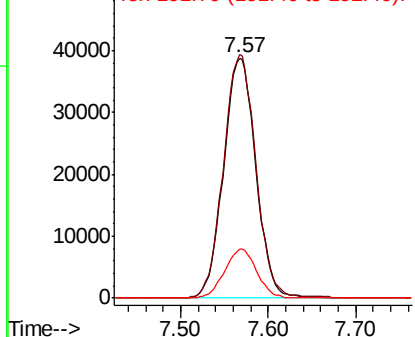


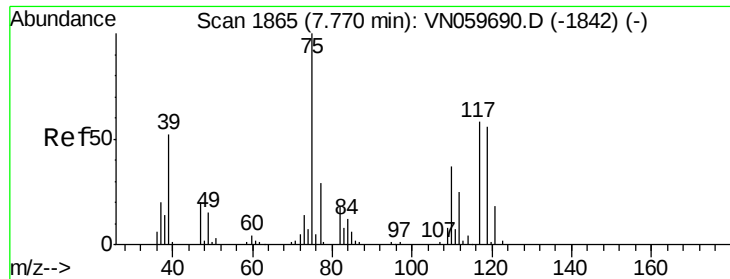
#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059916.D
 Acq: 29 Jan 2020 16:44

Tgt Ion:113 Resp: 99224
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.5 125.3
 192 20.3 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

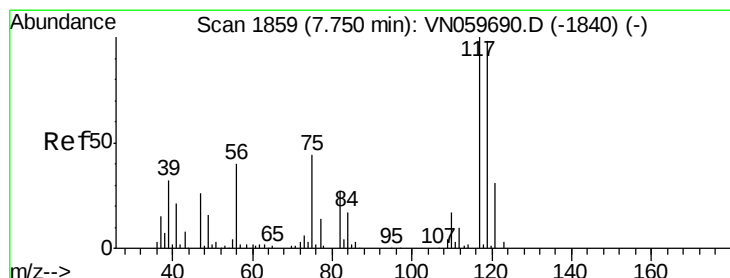
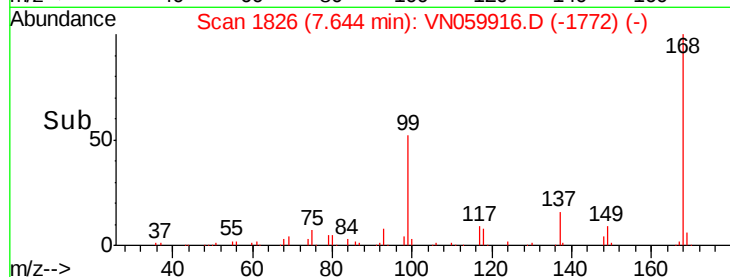
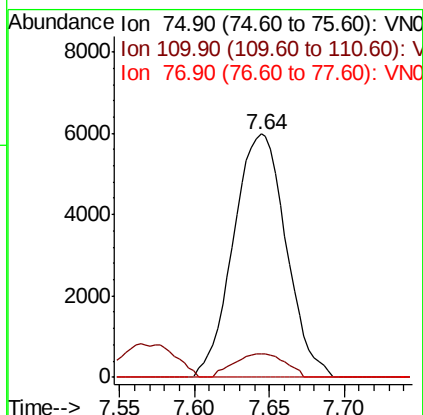
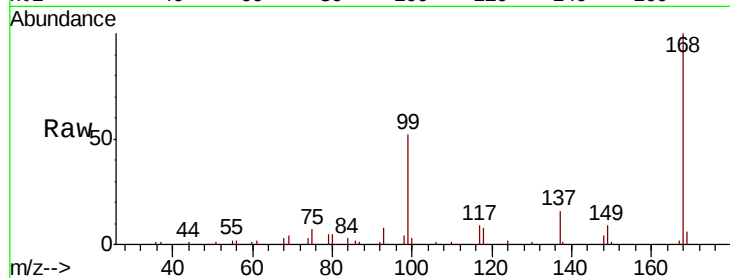




#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059916.D
 Acq: 29 Jan 2020 16:44

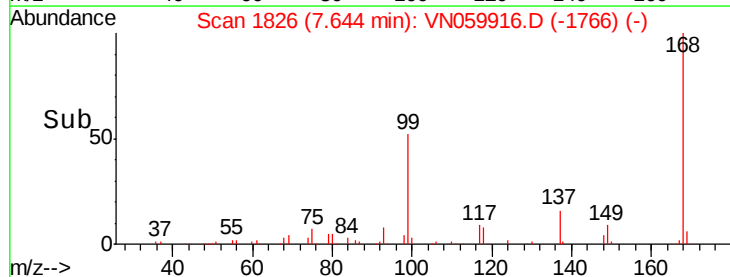
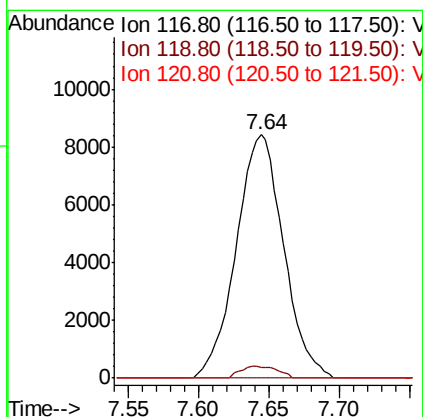
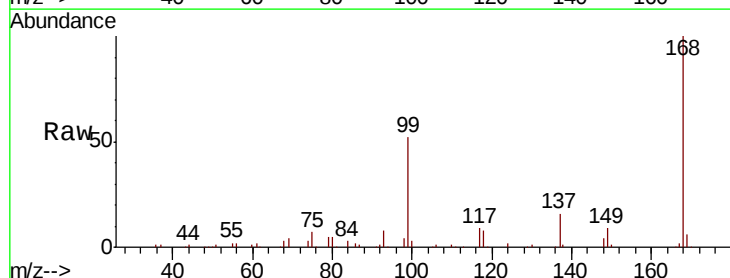
Instrument :
 MSVOA_N
 ClientSampleId :

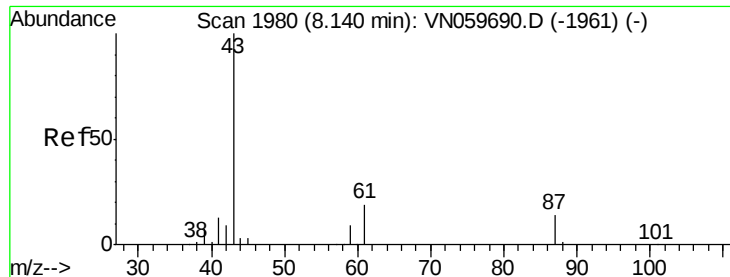
Tot Ion	75	Resp	14637
Ion Ratio	Lower	Upper	
75	100		
110	9.4	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.406 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059916.D
 Acq: 29 Jan 2020 16:44

Tgt Ion	117	Resp	19753
Ion Ratio	Lower	Upper	
117	100		
119	4.4	76.5	114.7#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 9.191 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

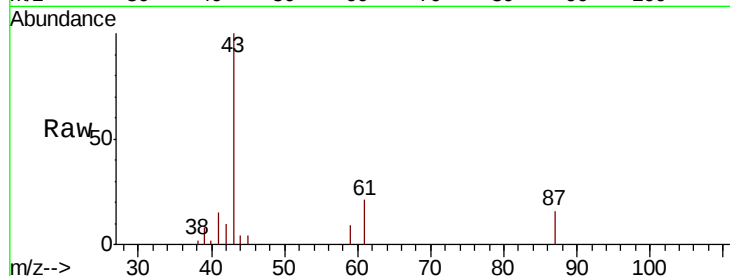
Tot Ion: 43 Resp: 42033

Ion Ratio Lower Upper

43 100

61 20.4 20.2 30.2

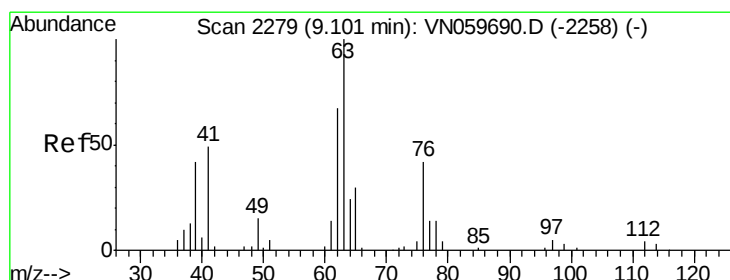
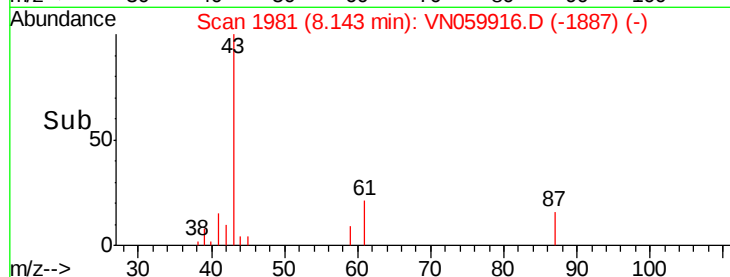
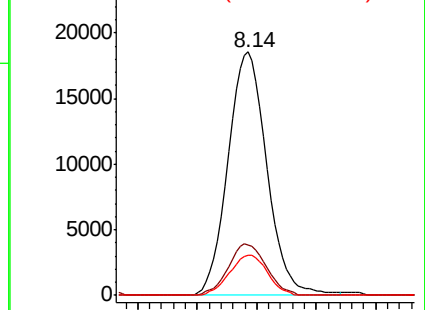
87 16.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059916.D (-1980) (-)

Ion 61.00 (60.70 to 61.70): VN059916.D (-1980) (-)

Ion 87.00 (86.70 to 87.70): VN059916.D (-1980) (-)



#45

1,2-Dichloropropane

Concen: 0.416 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059916.D

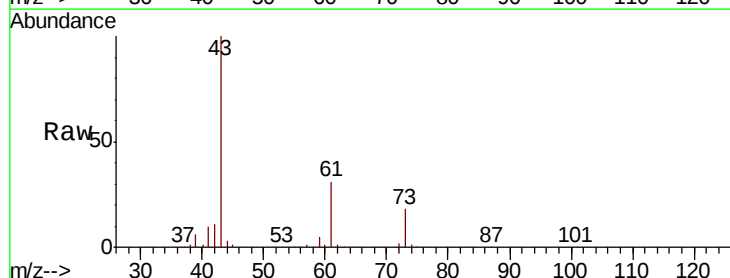
Acq: 29 Jan 2020 16:44

Tgt Ion: 63 Resp: 871

Ion Ratio Lower Upper

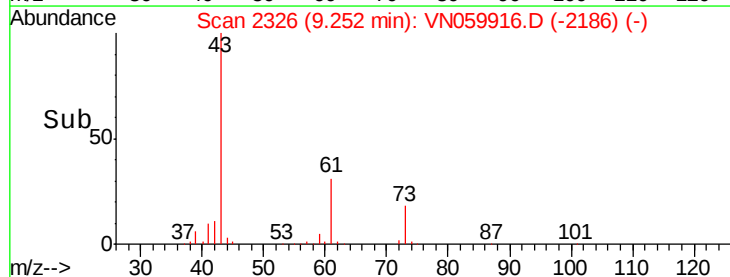
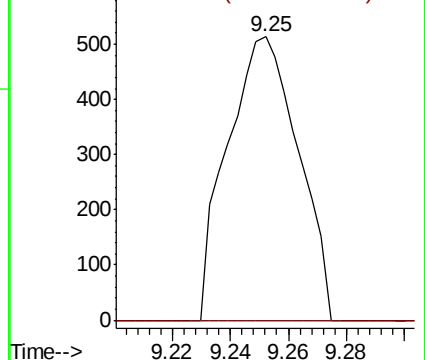
63 100

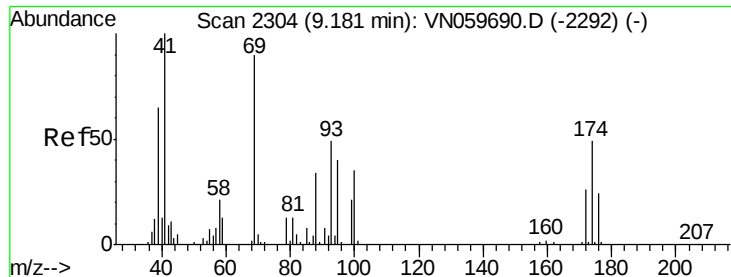
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059916.D (-2326) (-)

Ion 64.90 (64.60 to 65.60): VN059916.D (-2326) (-)

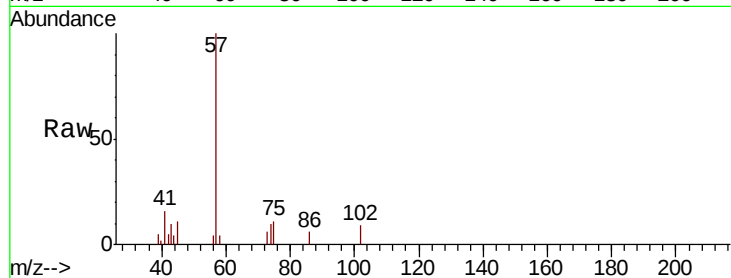




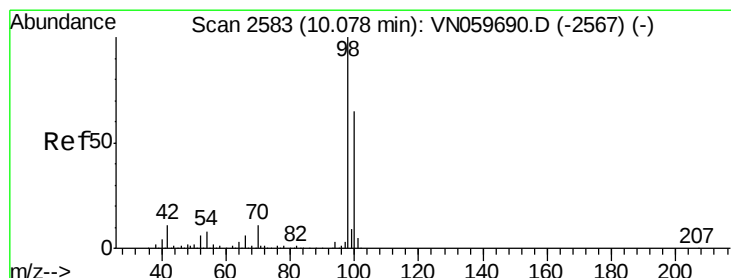
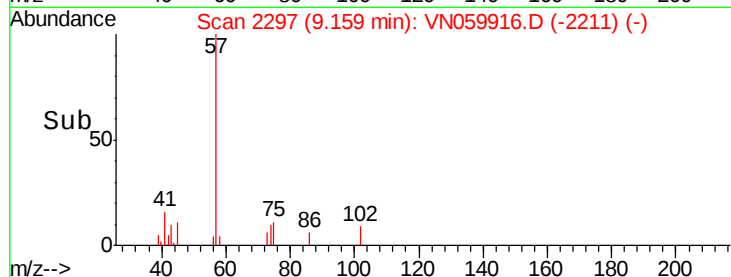
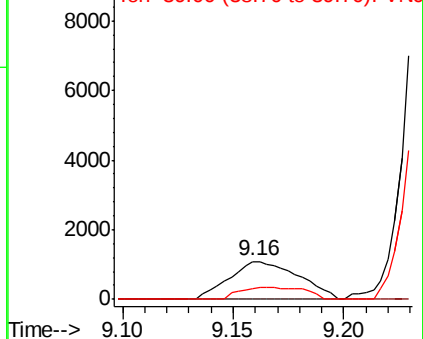
#48
Methvl methacrylate
Concen: 1.164 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2380
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

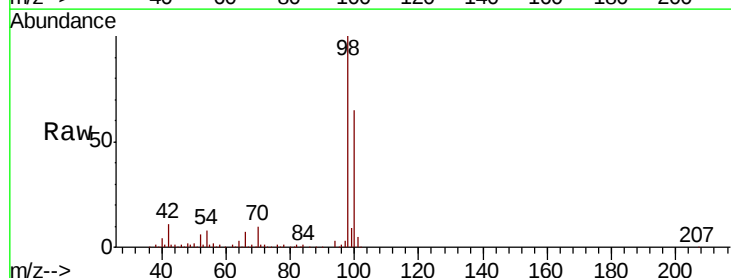


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

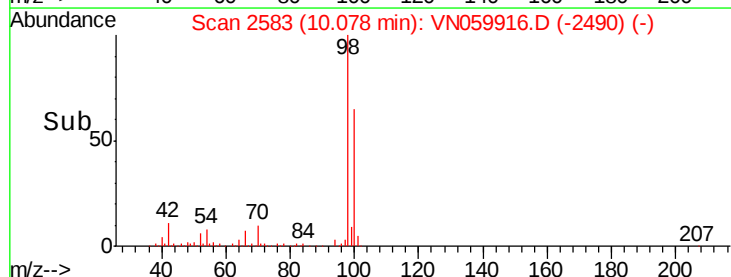
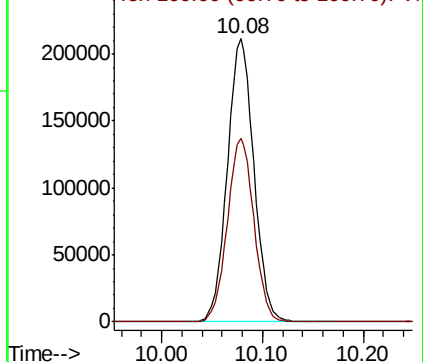


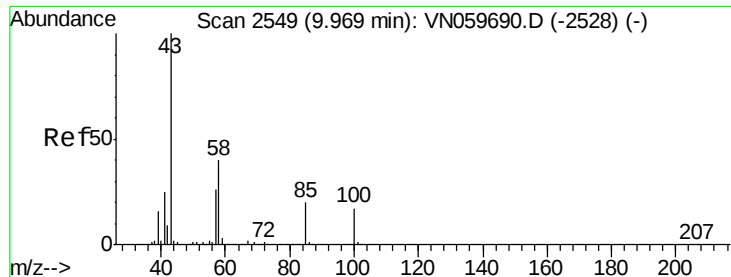
#50
Toluene-d8
Concen: 51.600 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 98 Resp: 388096
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

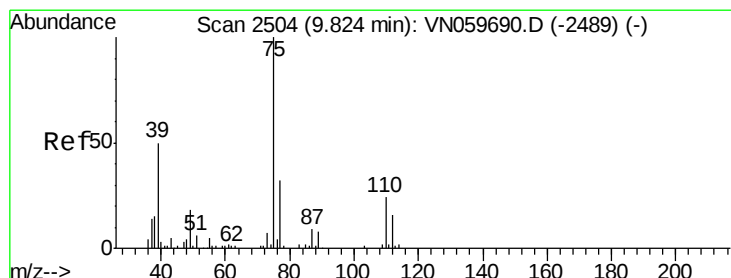
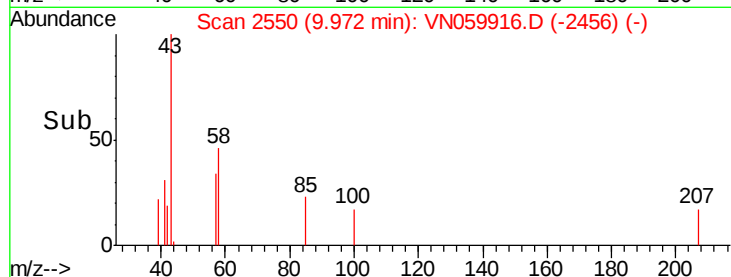
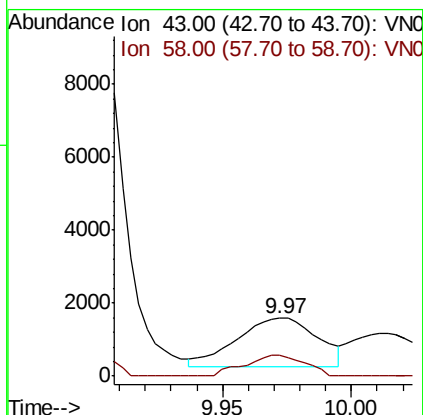
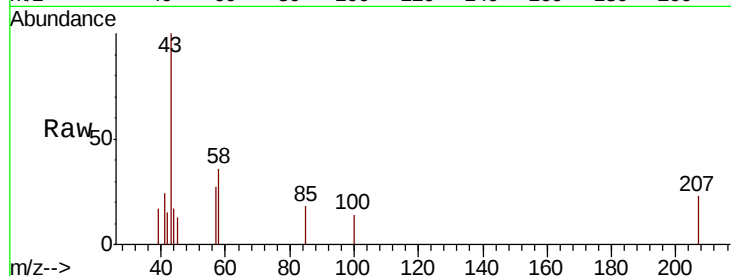




#51
4-Methyl-2-Pentanone
Concen: 1.094 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

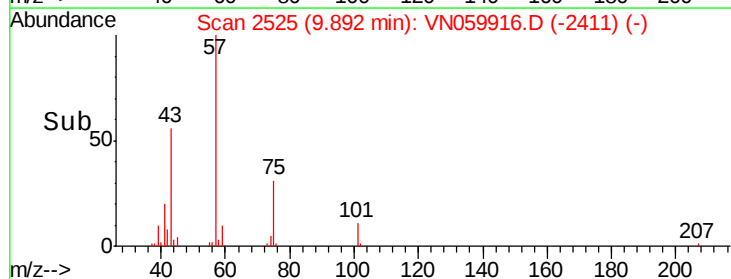
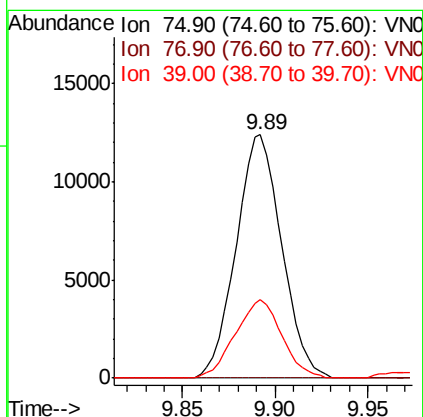
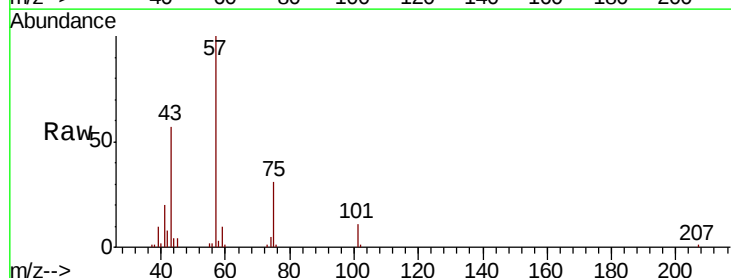
Instrument :
MSVOA_N
ClientSampled :

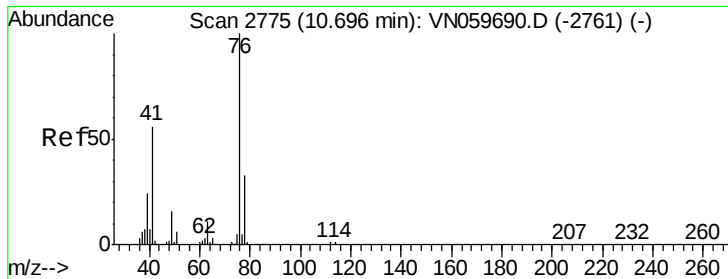
Tot Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
58 32.5 29.8 44.8



#54
cis-1,3-Dichloropropene
Concen: 6.047 ug/l
RT: 9.89 min Scan# 2525
Delta R.T. 0.07 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 75 Resp: 21127
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 32.0 46.1 69.1#

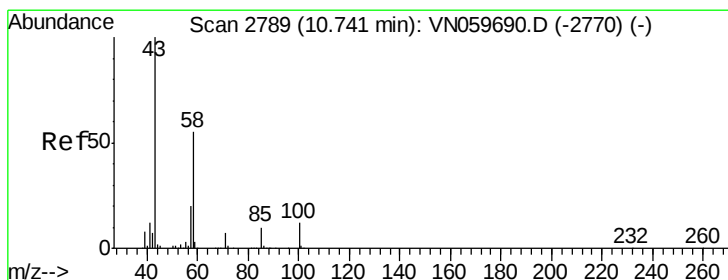
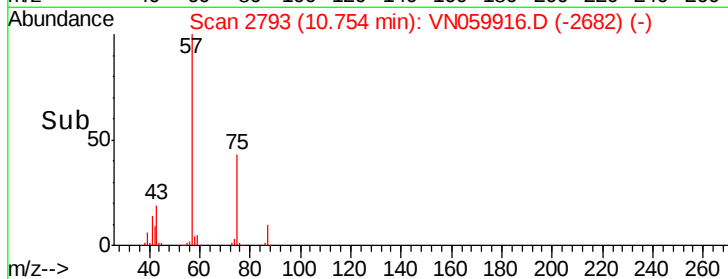
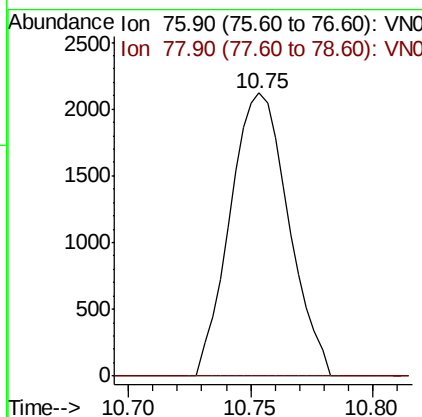
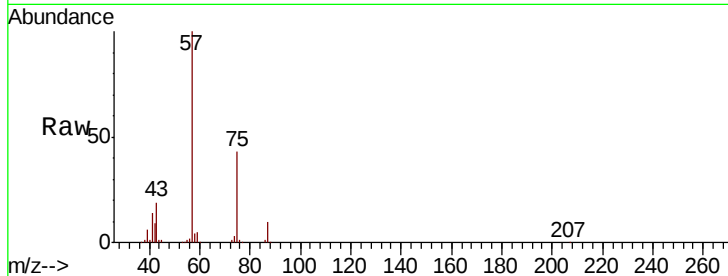




#57
 1,3-Dichloropropane
 Concen: 1.047 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059916.D
 Acq: 29 Jan 2020 16:44

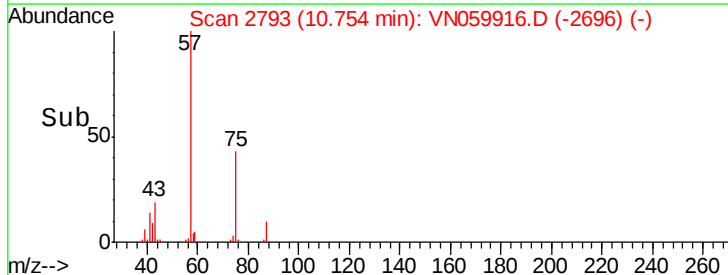
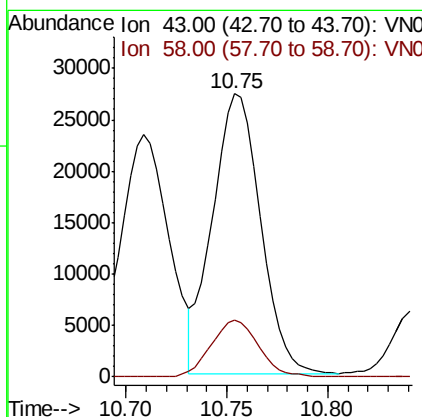
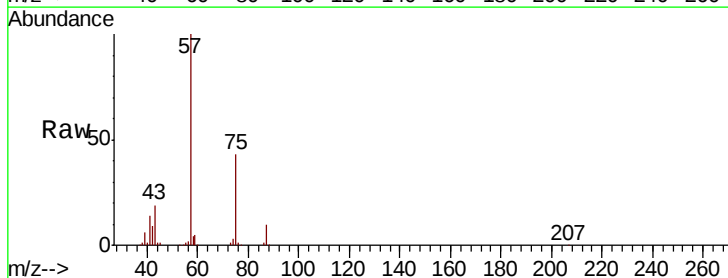
Instrument :
 MSVOA_N
 ClientSampleId :

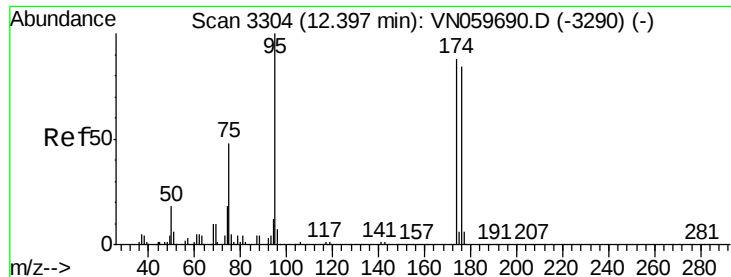
Tot Ion: 76 Resp: 3516
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 23.384 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059916.D
 Acq: 29 Jan 2020 16:44

Tgt Ion: 43 Resp: 45542
 Ion Ratio Lower Upper
 43 100
 58 19.8 25.8 77.3#

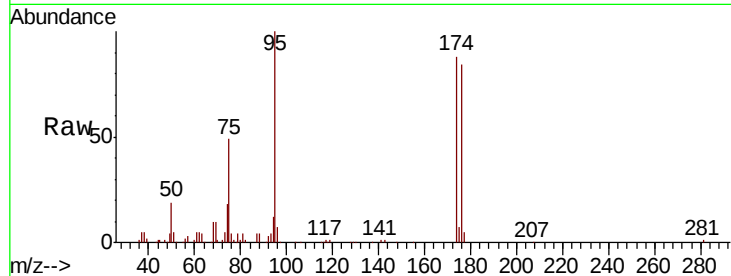




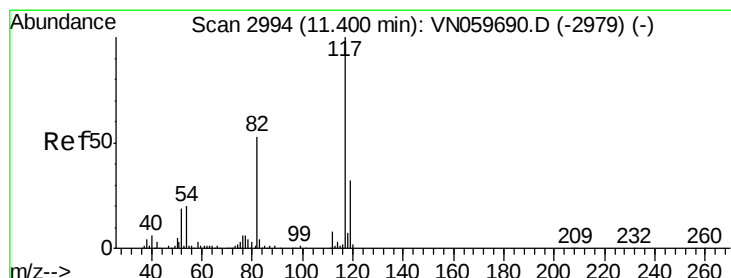
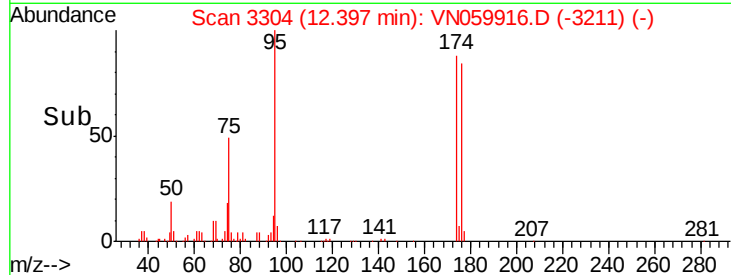
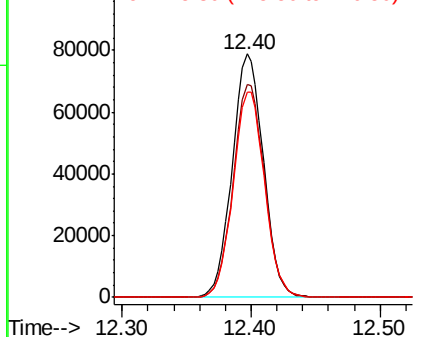
#62
4-Bromofluorobenzene
Concen: 48.809 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 132341
Ion Ratio Lower Upper
95 100
174 88.1 0.0 151.4
176 85.2 0.0 146.0

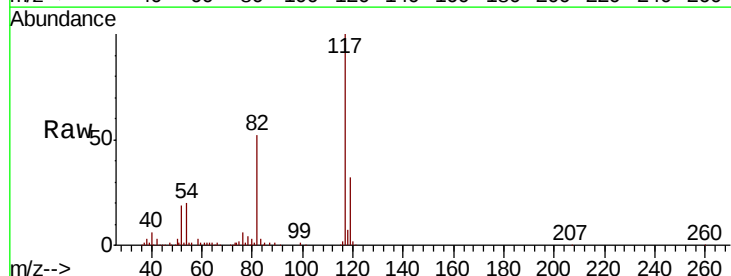


Abundance Ion 94.90 (94.60 to 95.60): VN059916.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN059916.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN059916.D (-3290) (-)

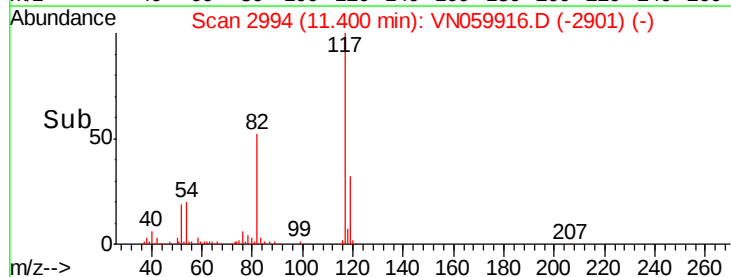
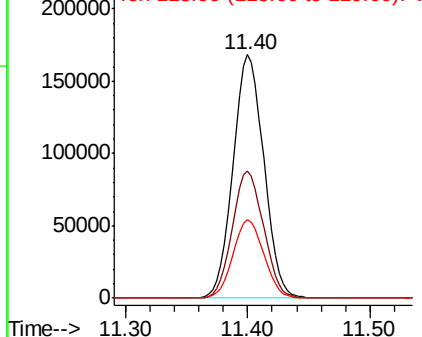


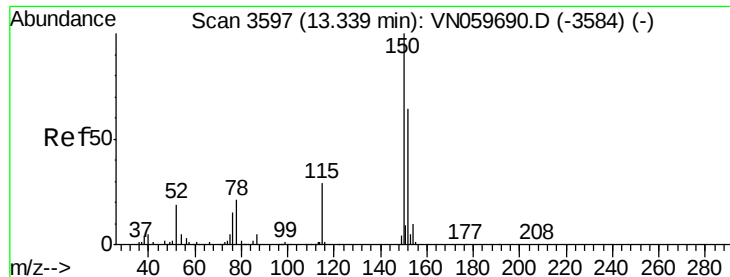
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 117 Resp: 294642
Ion Ratio Lower Upper
117 100
82 52.3 45.9 68.9
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059916.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059916.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059916.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: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

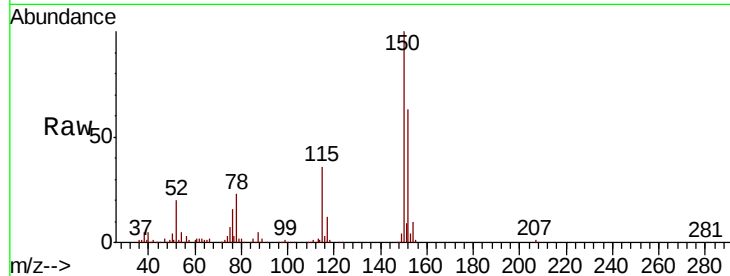
Tot Ion:152 Resp: 124697

Ion Ratio Lower Upper

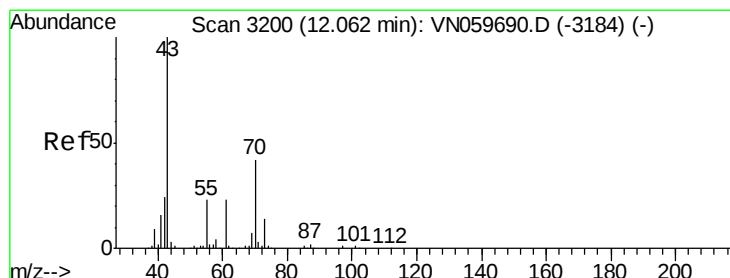
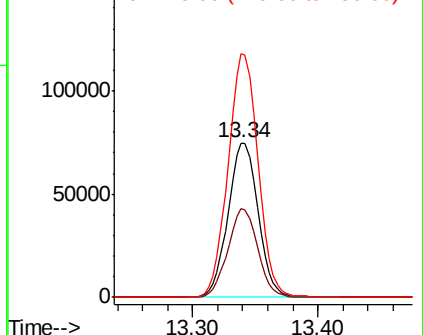
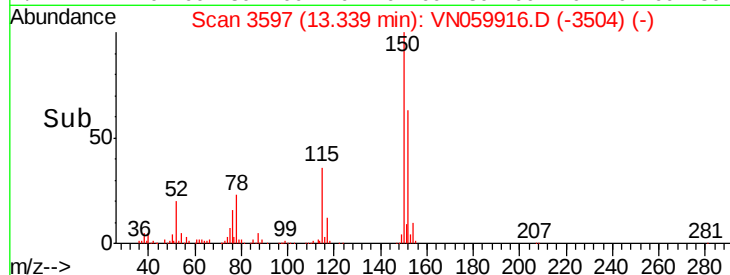
152 100

115 57.1 30.3 90.9

150 157.1 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: 0.498 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Tgt Ion: 43 Resp: 1767

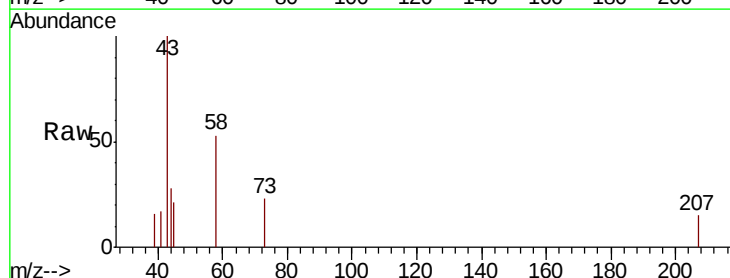
Ion Ratio Lower Upper

43 100

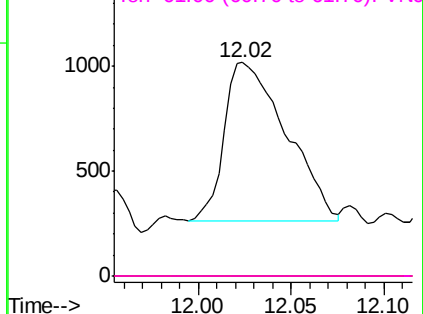
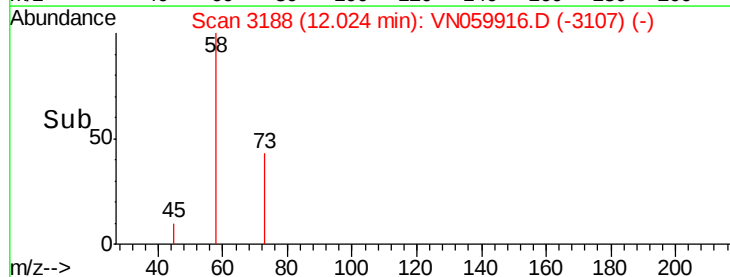
70 0.0 31.3 46.9#

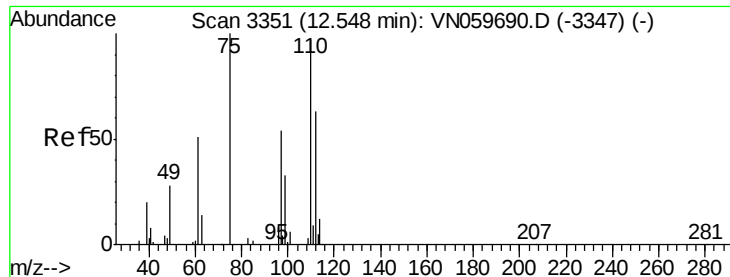
55 0.0 19.8 29.6#

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: 30.980 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

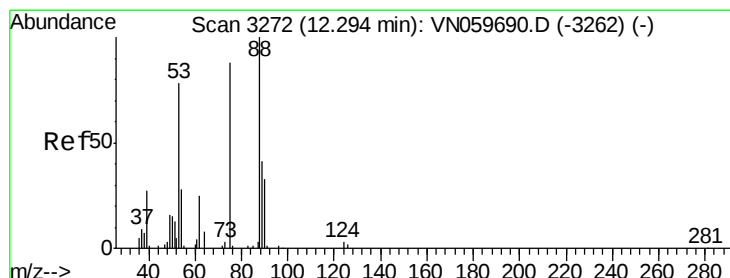
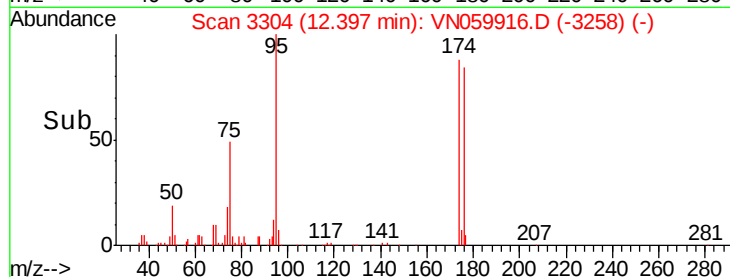
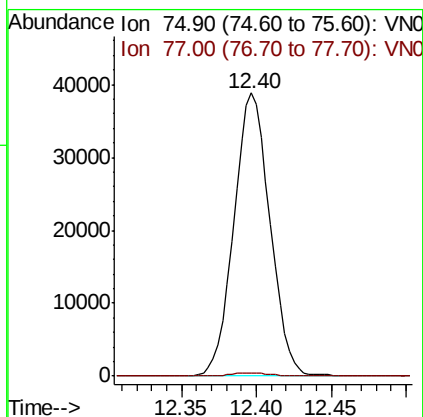
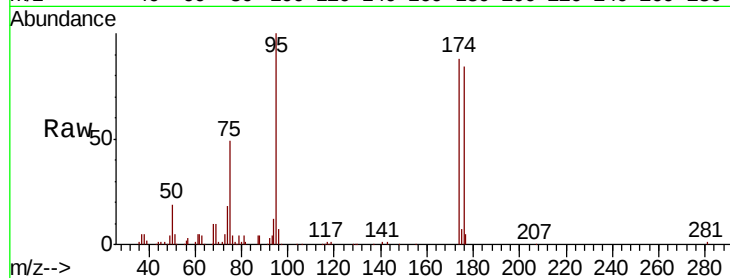
ClientSampled :

Tot Ion: 75 Resp: 65012

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.529 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

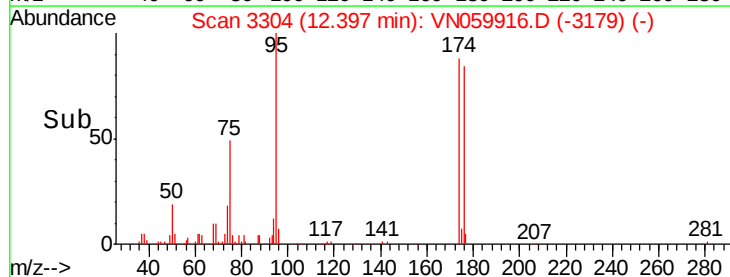
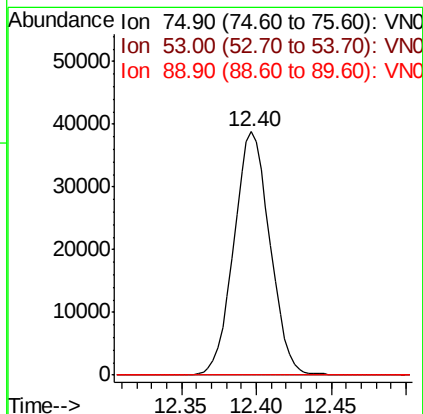
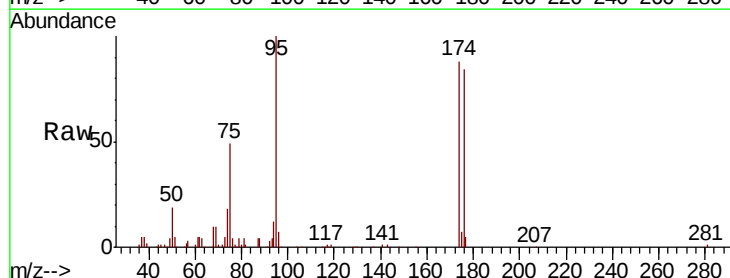
Tgt Ion: 75 Resp: 65012

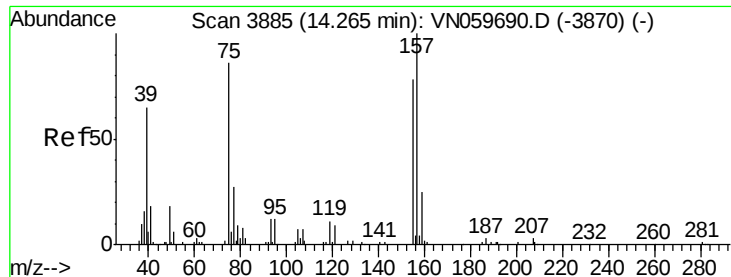
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.34 min Scan# 3908

Delta R.T. 0.07 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

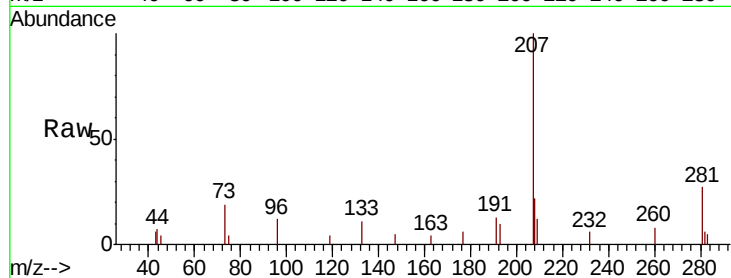
Tot Ion: 75 Resp: 60

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): VN059916.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059916.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059916.D (-3791) (-)

