

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059915.D
 Acq On : 29 Jan 2020 16:20
 Operator : JC/MD
 Sample : PB126412ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:03:31 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	200078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	304041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115863	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	107877	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.57	113	91996	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.08	98	363476	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.40	95	124152	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

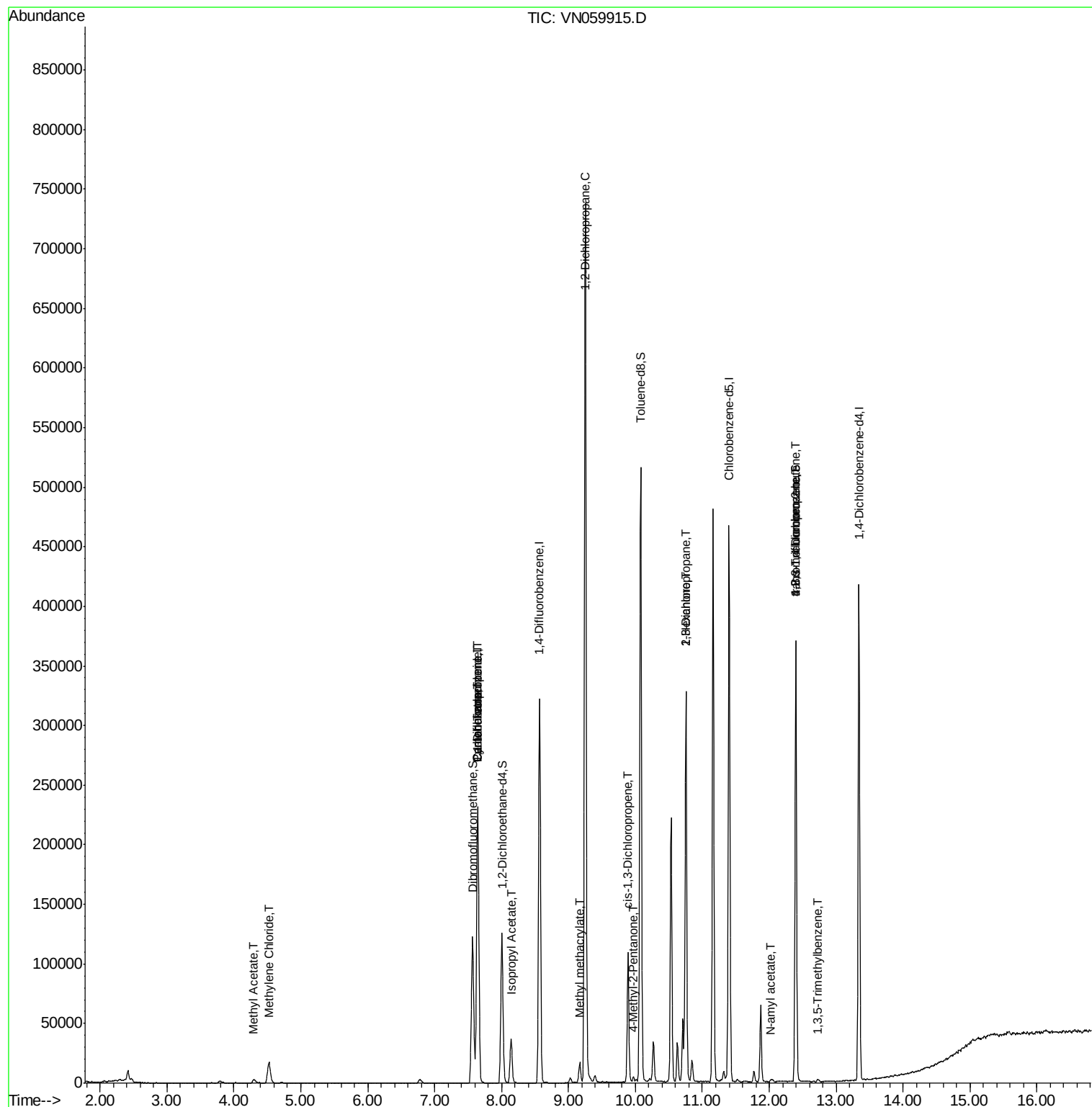
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3329	Below Cal	#	85
18) Methyl Acetate	4.30	43	6411	2.470	ug/l	98
20) Methylene Chloride	4.52	84	14468	6.060	ug/l	87
31) Cyclohexane	7.64	56	3849	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13286	5.018	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18182	6.313	ug/l #	16
43) Isopropyl Acetate	8.14	43	43217	10.118	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	828	0.424	ug/l #	44
48) Methyl methacrylate	9.16	41	2209	1.156	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2545	1.031	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	20943	6.418	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3389	1.081	ug/l #	42
59) 2-Hexanone	10.75	43	44815	24.637	ug/l #	55
74) N-amyl acetate	12.03	43	1608	0.488	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	63053	32.337	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1457	0.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	63053	69.444	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.32	75	29	Below Cal	#	6

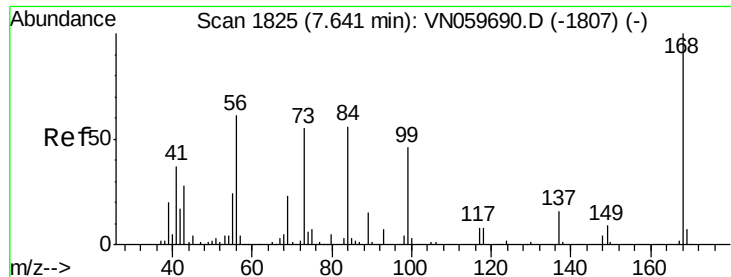
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012920\
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 30 00:03:31 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# 1826

Delta R.T. 0.00 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_N

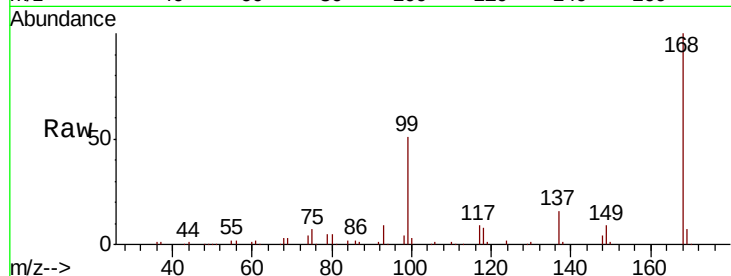
ClientSampleId :

Tot Ion:168 Resp: 200078

Ion Ratio Lower Upper

168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059915.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059915.D (-1732) (-)

7.64

80000

60000

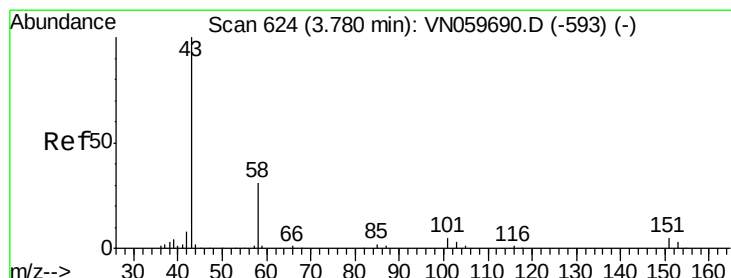
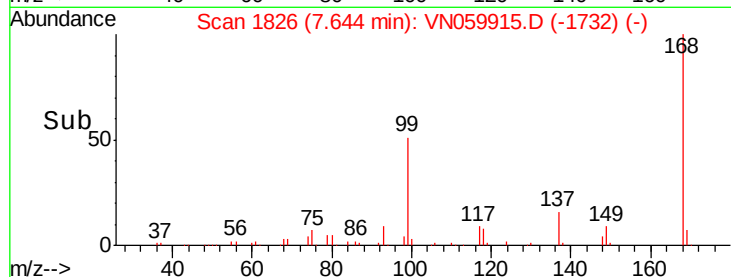
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059915.D

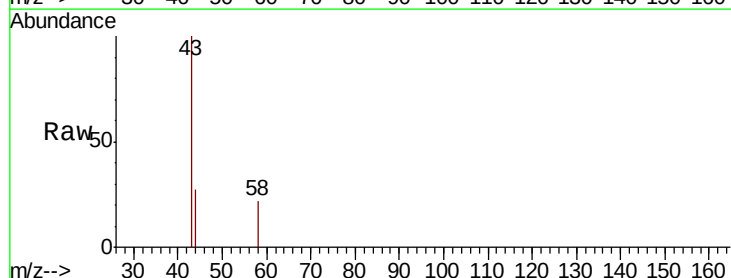
Acq: 29 Jan 2020 16:20

Tgt Ion: 43 Resp: 3329

Ion Ratio Lower Upper

43 100

58 21.6 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059915.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059915.D (-530) (-)

3.79

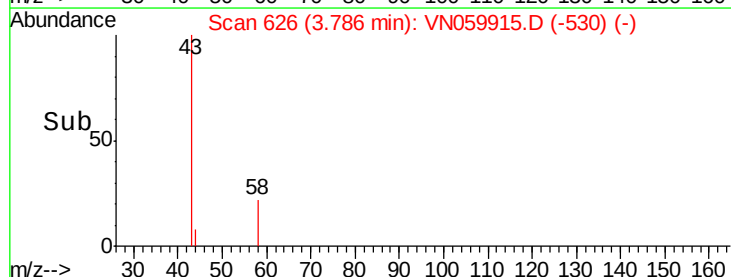
1000

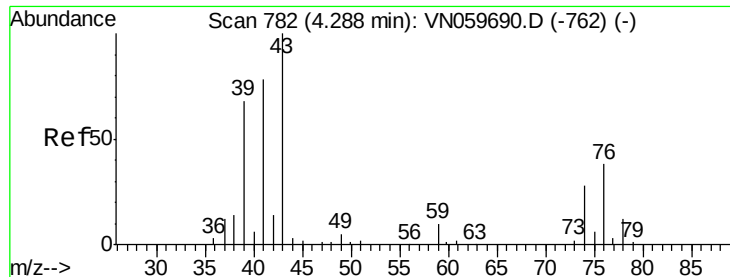
500

0

3.75 3.80 3.85

Time-->

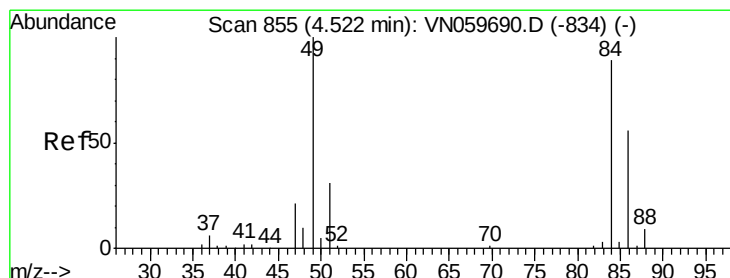
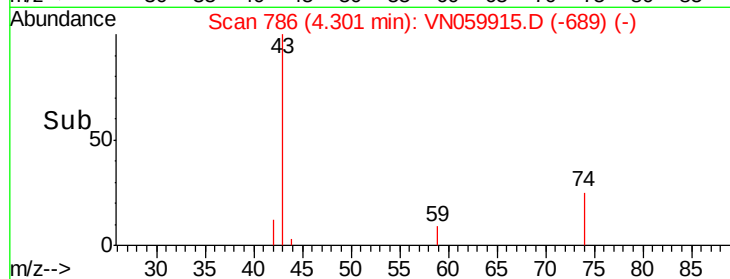
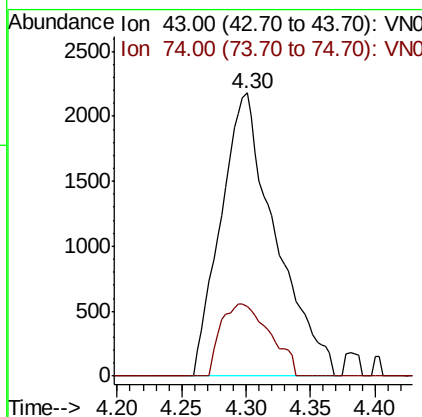
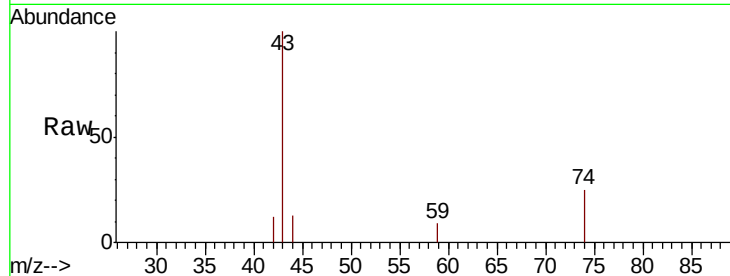




#18
Methvl Acetate
Concen: 2.470 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

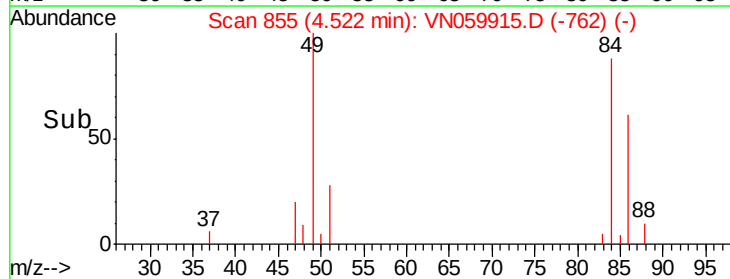
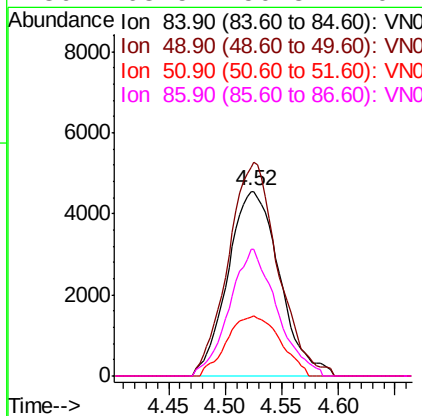
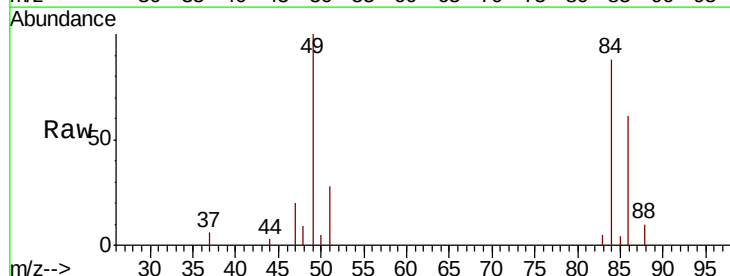
Instrument :
MSVOA_N
ClientSampled :

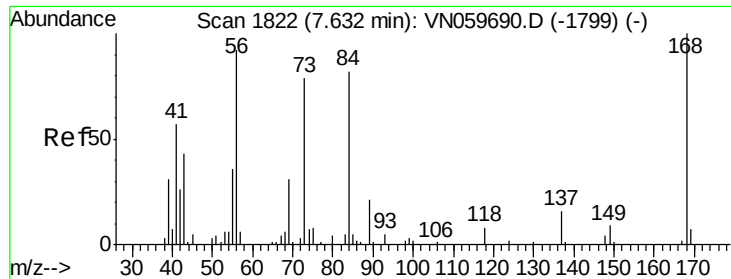
Tot Ion: 43 Resp: 6411
Ion Ratio Lower Upper
43 100
74 22.9 17.5 26.3



#20
Methylene Chloride
Concen: 6.060 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 84 Resp: 14468
Ion Ratio Lower Upper
84 100
49 113.1 106.6 160.0
51 32.1 31.9 47.9
86 68.5 50.8 76.2

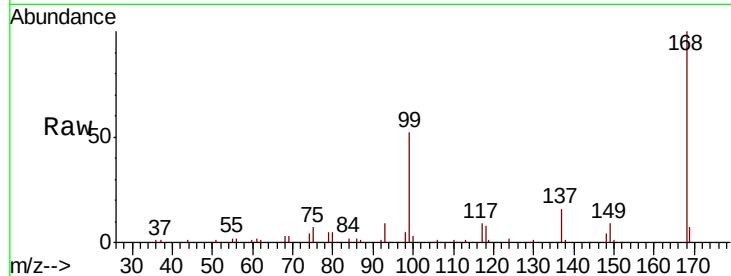




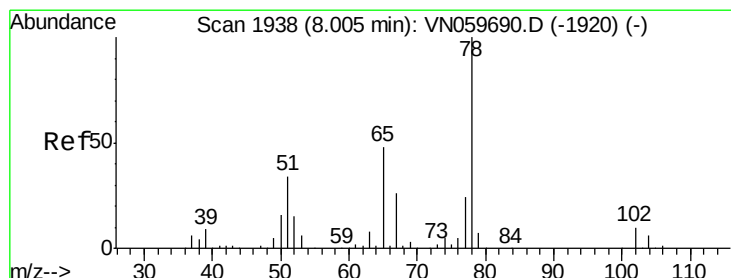
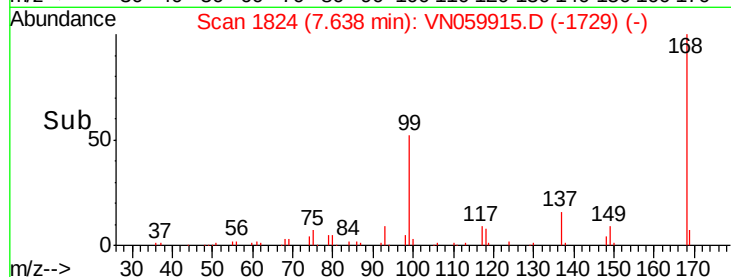
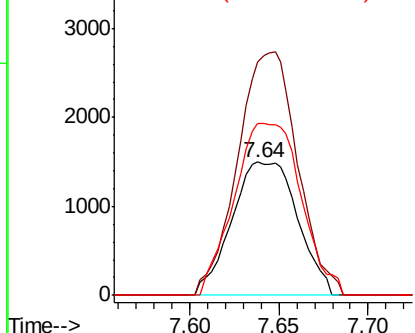
#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3849
Ion Ratio Lower Upper
56 100
69 175.4 26.5 39.7#
84 129.6 65.3 97.9#

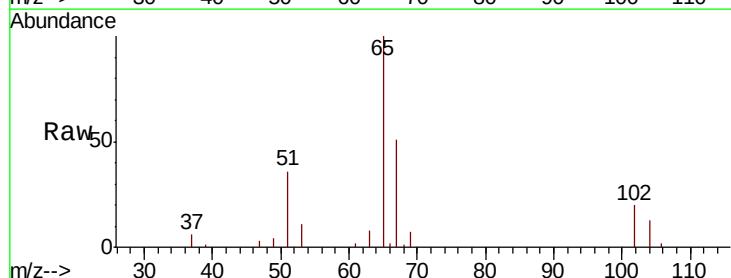


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

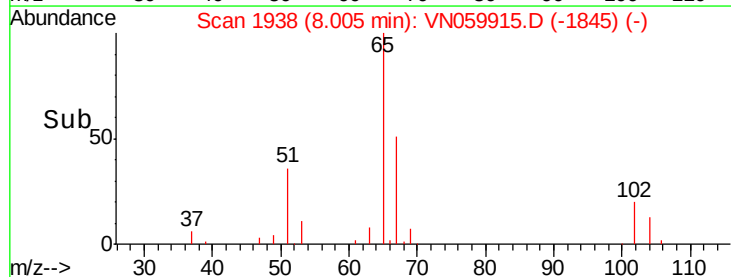
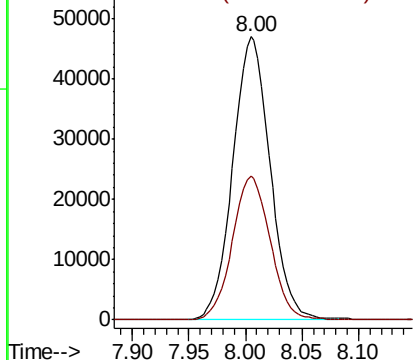


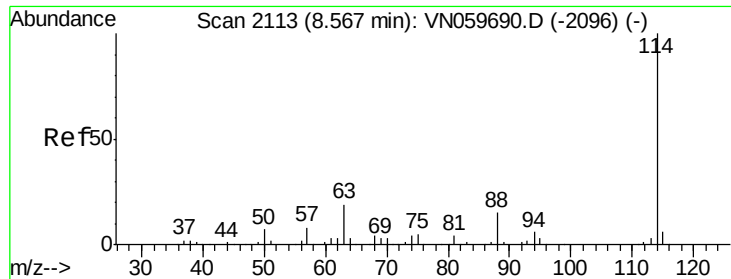
#33
1,2-Dichloroethane-d4
Concen: 48.551 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 65 Resp: 107877
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0



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

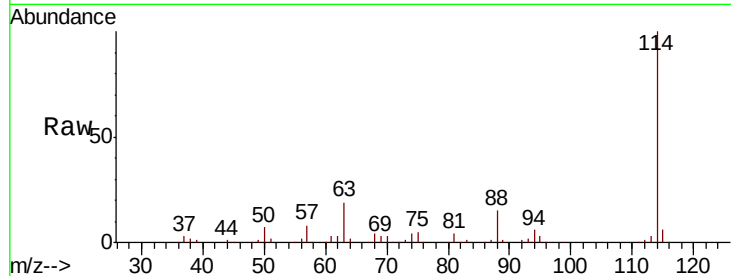




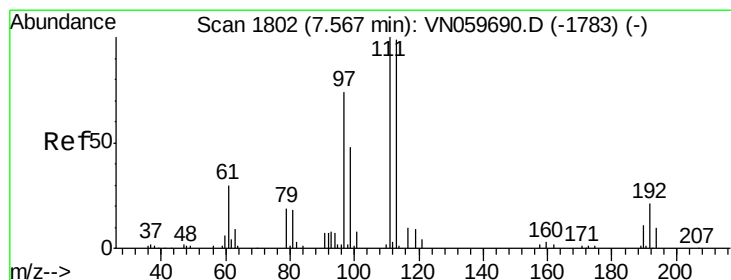
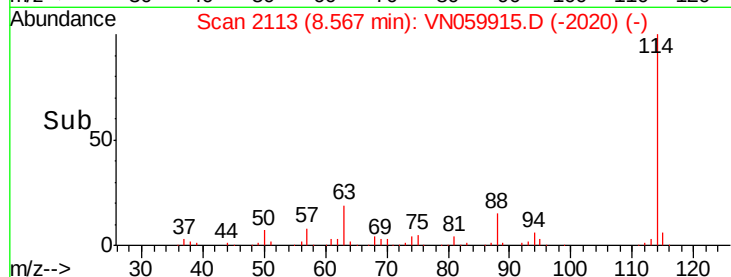
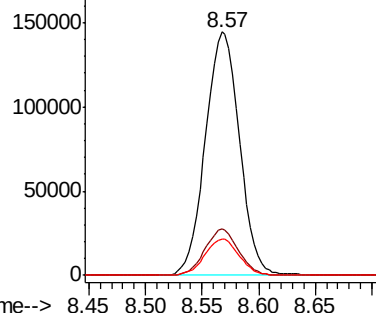
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 304041
Ion Ratio Lower Upper
114 100
63 19.0 0.0 43.6
88 15.0 0.0 31.4

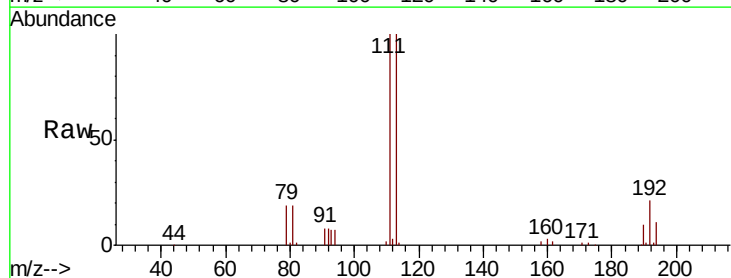


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

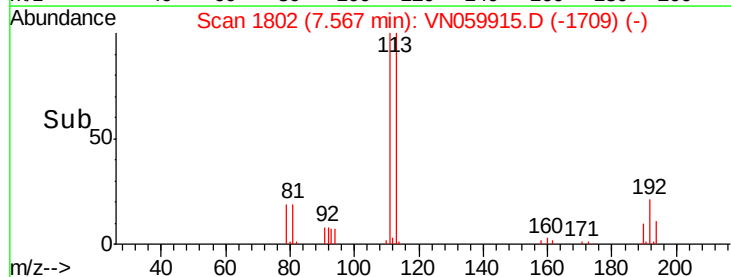
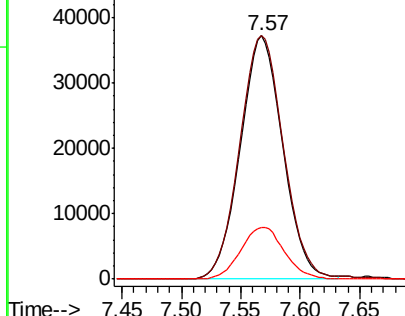


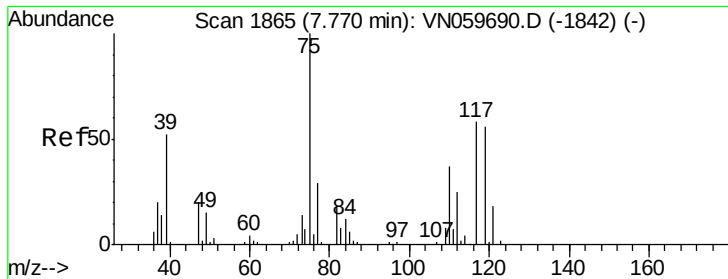
#35
Dibromofluoromethane
Concen: 50.739 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Tgt Ion:113 Resp: 91996
Ion Ratio Lower Upper
113 100
111 102.9 83.5 125.3
192 21.8 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

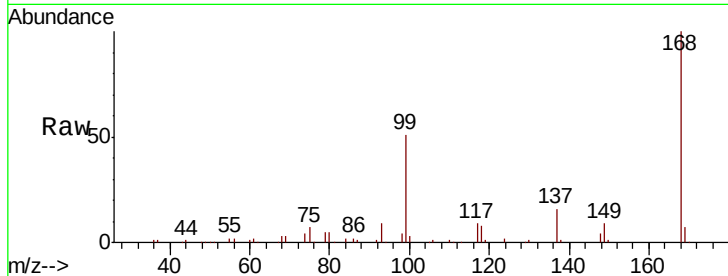




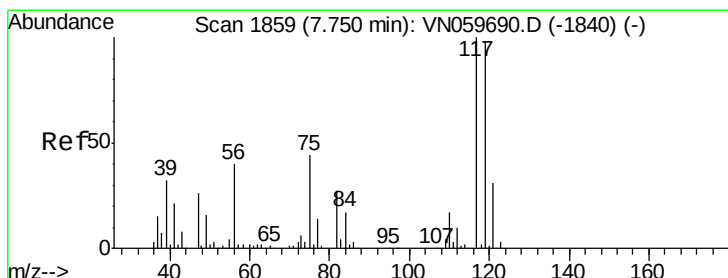
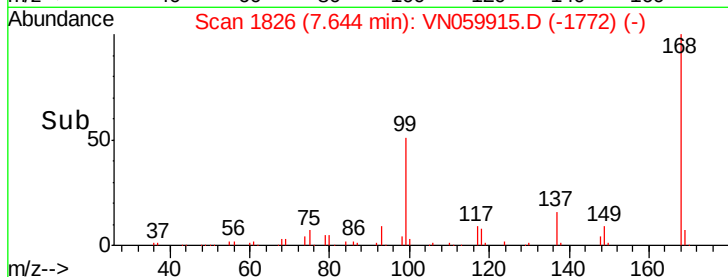
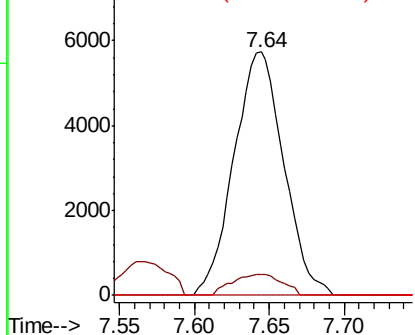
#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059915.D
 Acq: 29 Jan 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	13286
Ion Ratio	Lower	Upper	
75	100		
110	8.7	16.6	49.7#
77	0.0	25.1	37.7#

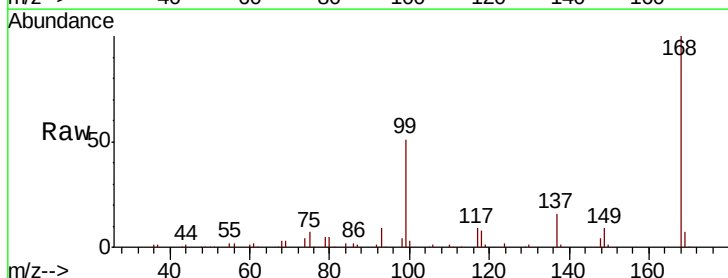


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

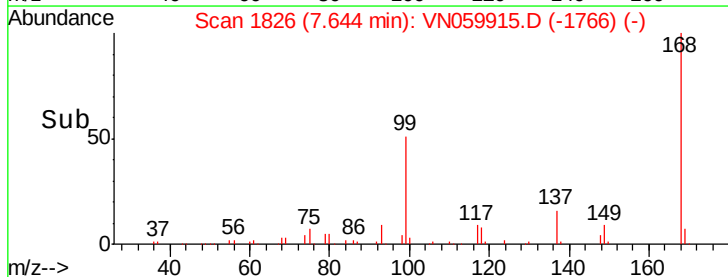
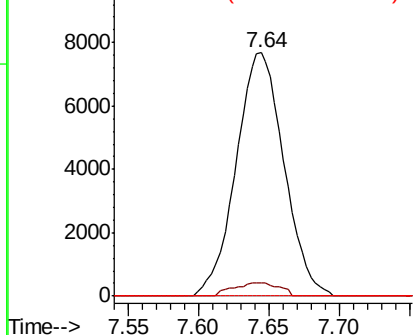


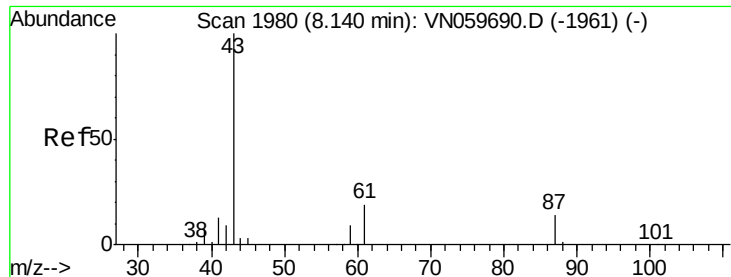
#38
 Carbon Tetrachloride
 Concen: 6.313 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059915.D
 Acq: 29 Jan 2020 16:20

Tgt Ion	117	Resp	18182
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.5	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: 10.118 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

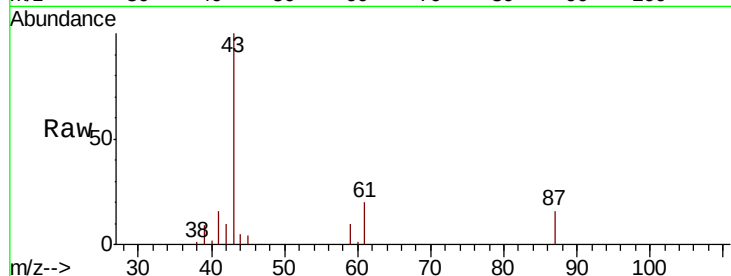
Tot Ion: 43 Resp: 43217

Ion Ratio Lower Upper

43 100

61 19.4 20.2 30.2#

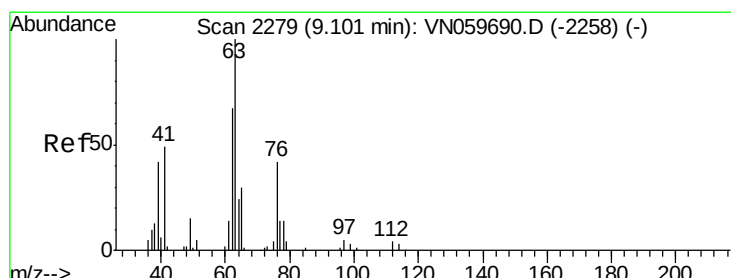
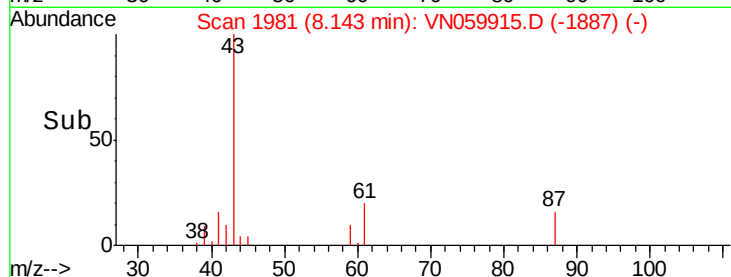
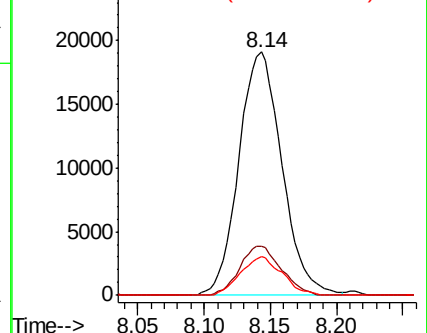
87 15.3 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059915.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN059915.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN059915.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.424 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN059915.D

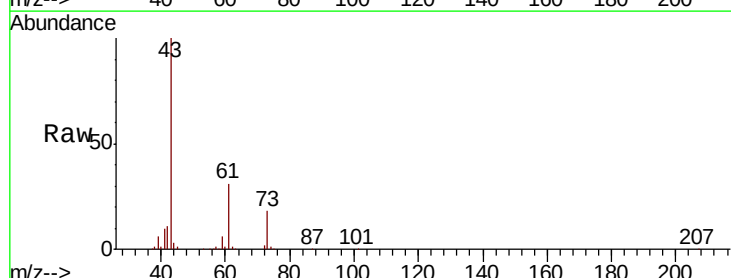
Acq: 29 Jan 2020 16:20

Tgt Ion: 63 Resp: 828

Ion Ratio Lower Upper

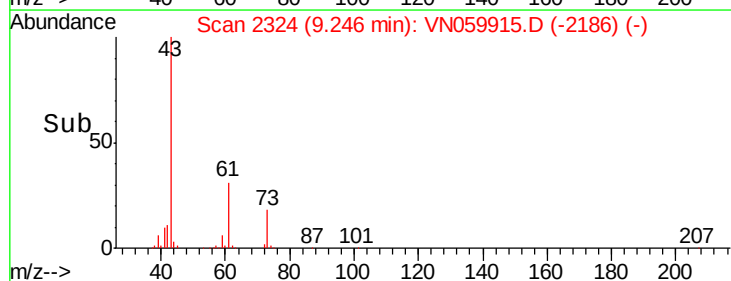
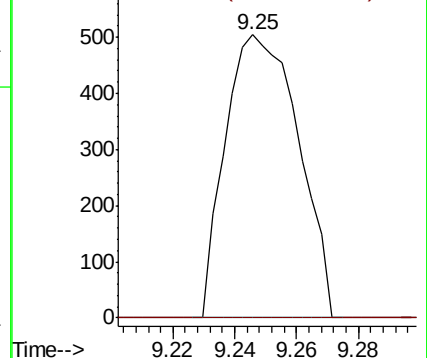
63 100

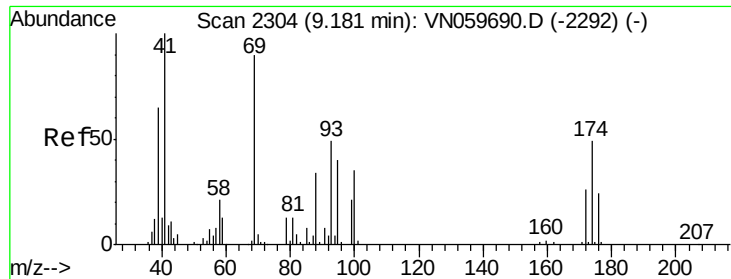
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059915.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059915.D (-2186) (-)

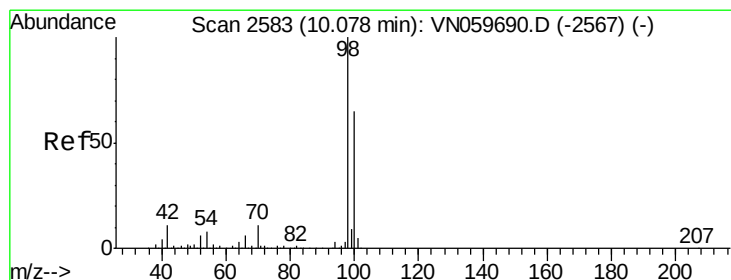
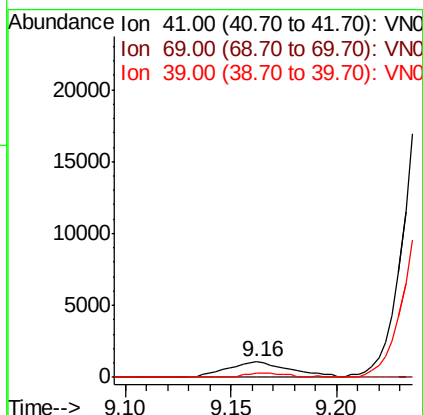
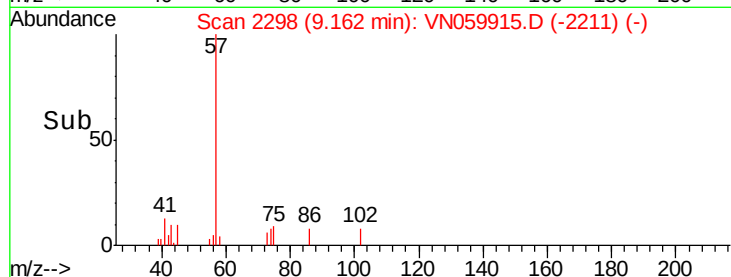
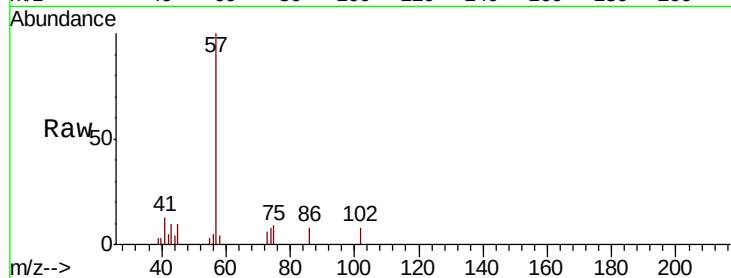




#48
Methvl methacrylate
Concen: 1.156 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

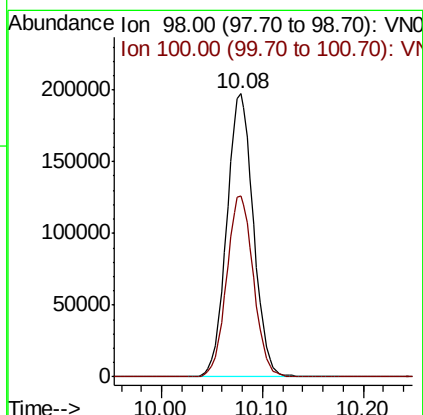
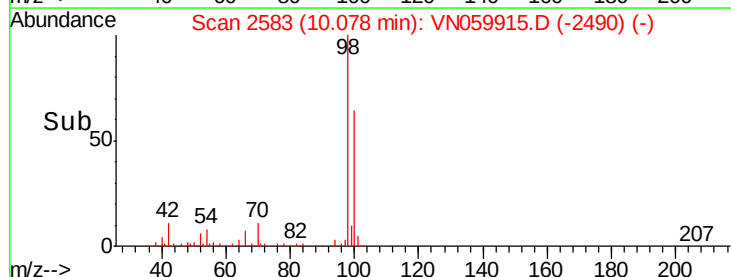
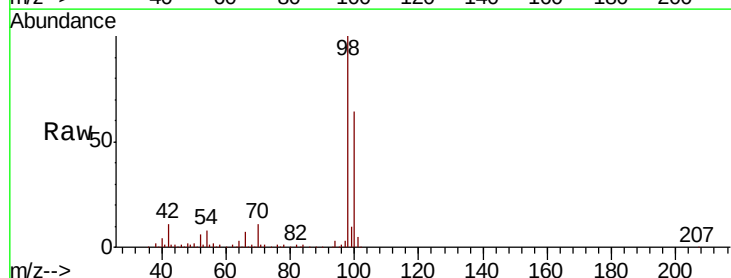
Instrument :
MSVOA_N
ClientSampled :

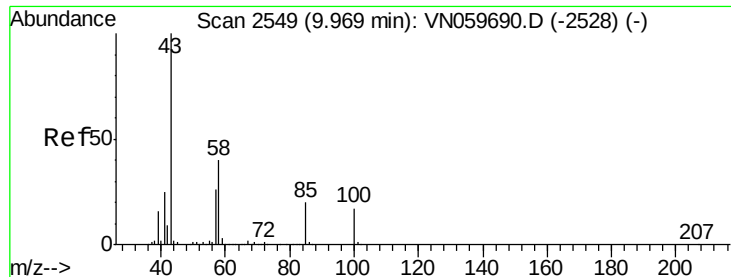
Tot Ion: 41 Resp: 2209
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.740 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 98 Resp: 363476
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

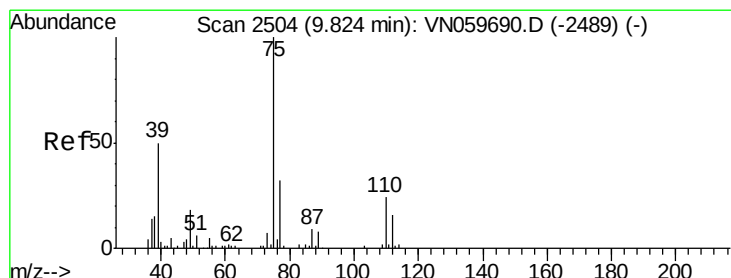
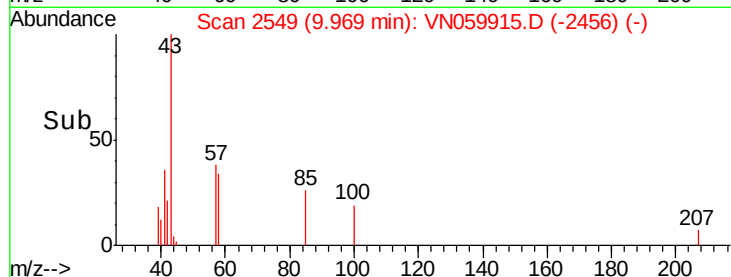
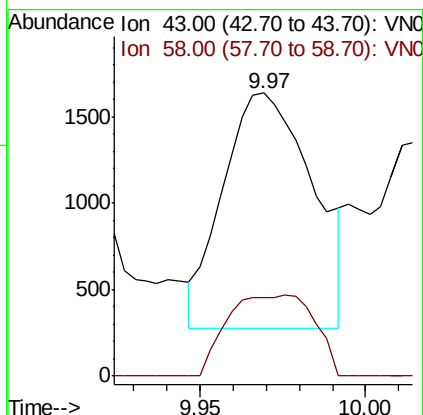
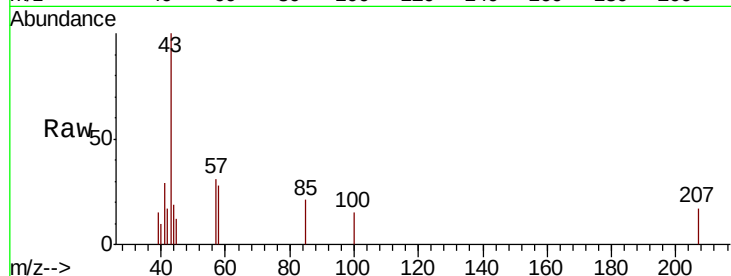




#51
4-Methyl-2-Pentanone
Concen: 1.031 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

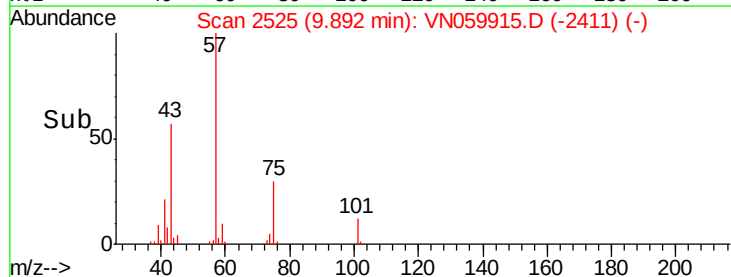
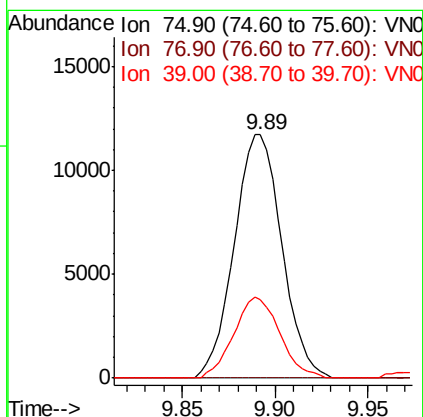
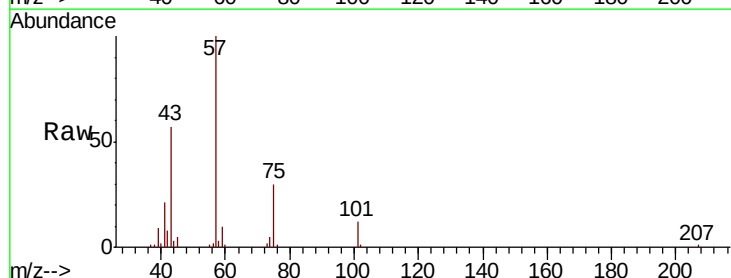
Instrument :
MSVOA_N
ClientSampled :

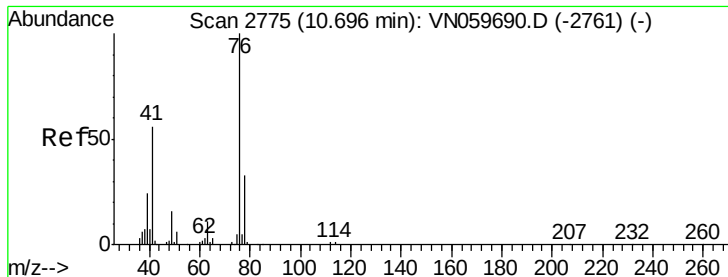
Tot Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
58 33.6 29.8 44.8



#54
cis-1,3-Dichloropropene
Concen: 6.418 ug/l
RT: 9.89 min Scan# 2525
Delta R.T. 0.07 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 75 Resp: 20943
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 32.0 46.1 69.1#

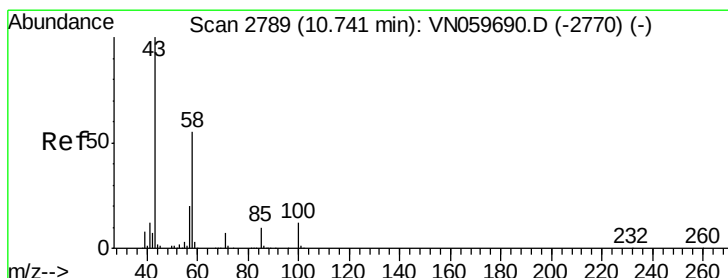
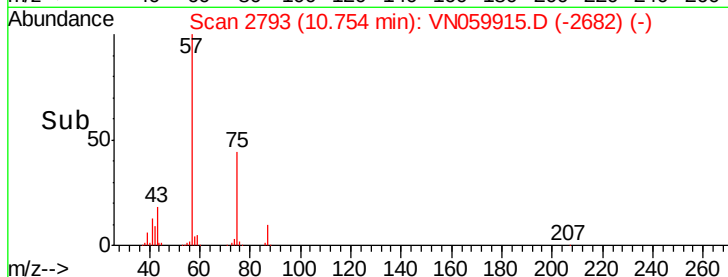
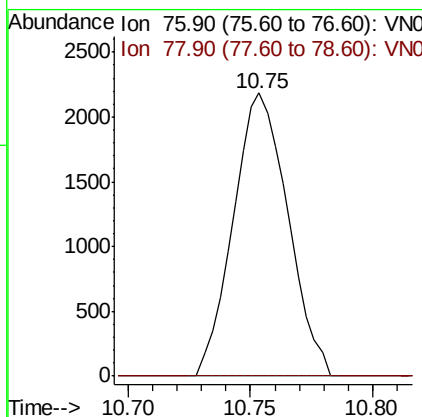
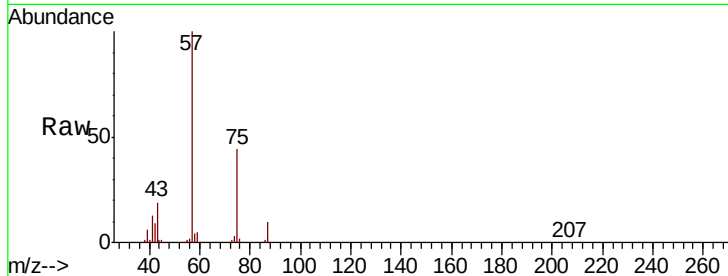




#57
 1,3-Dichloropropane
 Concen: 1.081 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059915.D
 Acq: 29 Jan 2020 16:20

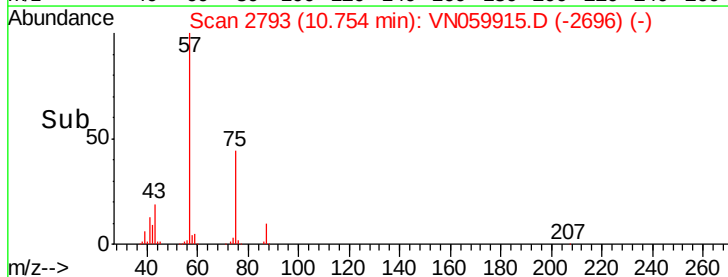
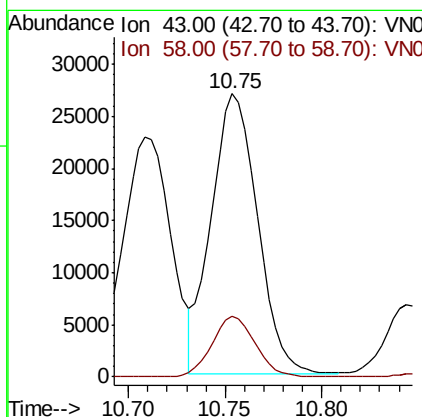
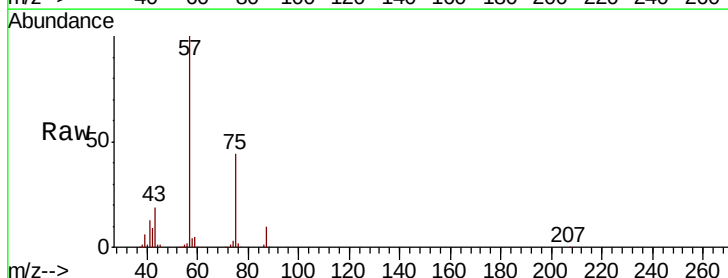
Instrument :
 MSVOA_N
 ClientSampleId :

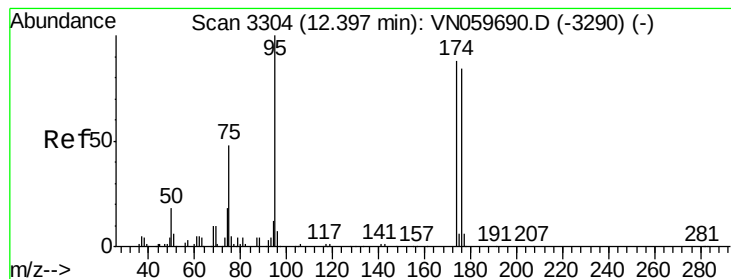
Tot Ion: 76 Resp: 3389
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 24.637 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059915.D
 Acq: 29 Jan 2020 16:20

Tgt Ion: 43 Resp: 44815
 Ion Ratio Lower Upper
 43 100
 58 20.1 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 49.024 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

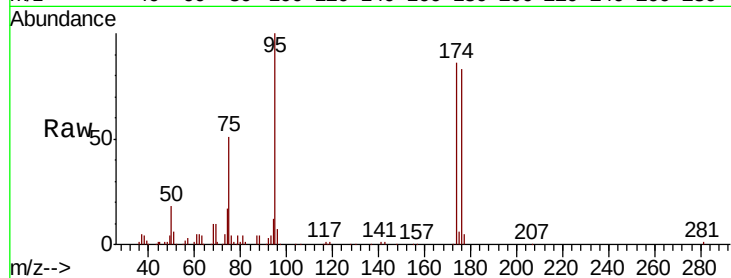
Tot Ion: 95 Resp: 124152

Ion Ratio Lower Upper

95 100

174 86.8 0.0 151.4

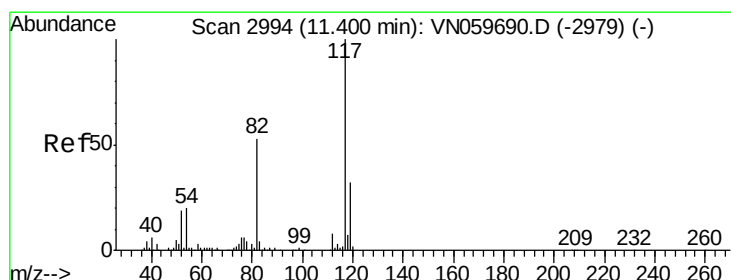
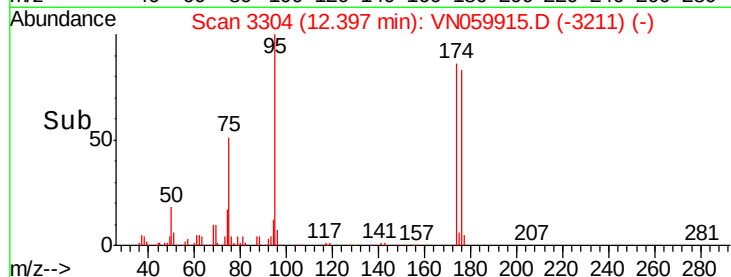
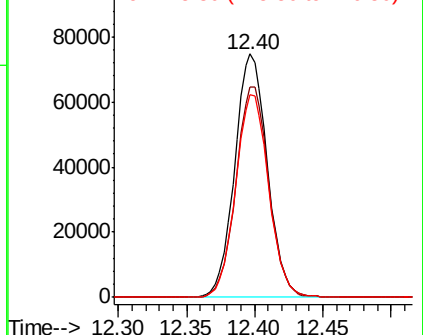
176 84.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059915.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059915.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059915.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

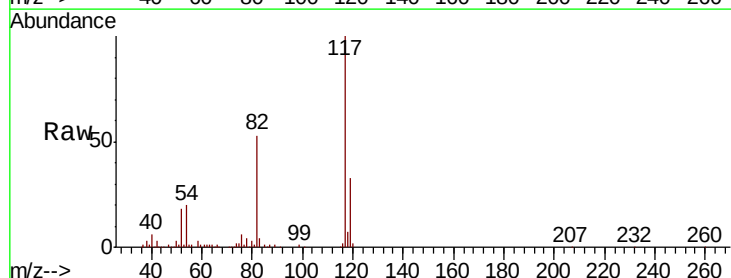
Tgt Ion: 117 Resp: 275586

Ion Ratio Lower Upper

117 100

82 52.6 45.9 68.9

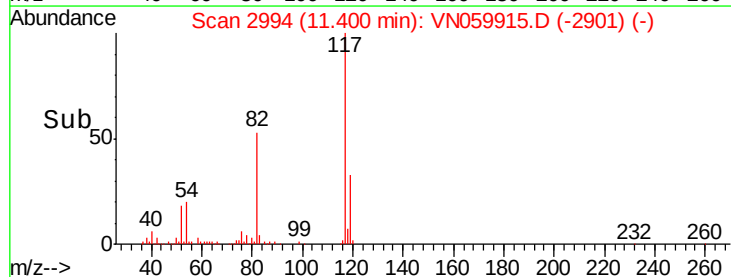
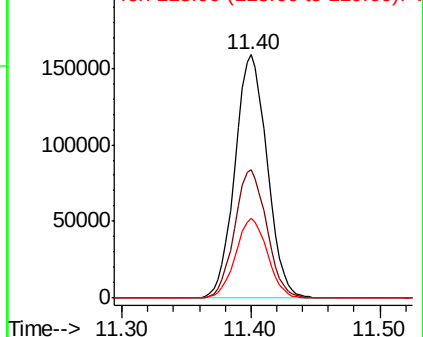
119 32.6 25.5 38.3

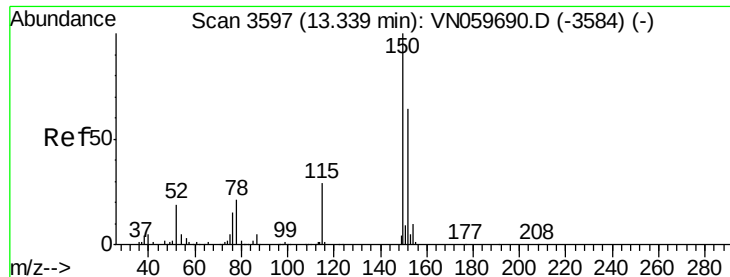


Abundance Ion 116.90 (116.60 to 117.60): VN059915.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059915.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059915.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

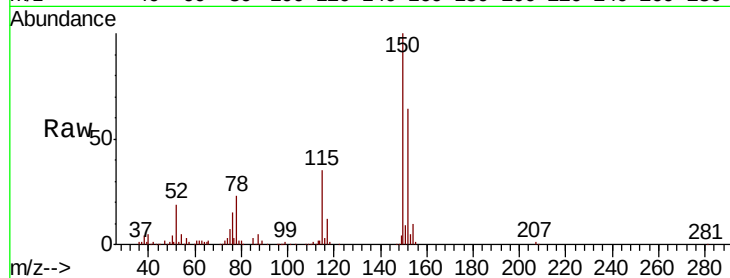
Tot Ion:152 Resp: 115863

Ion Ratio Lower Upper

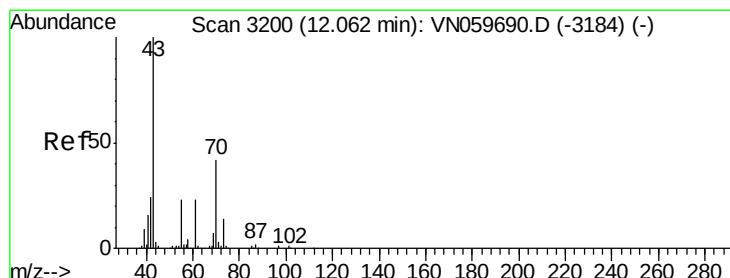
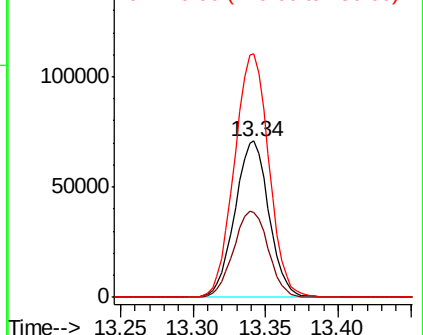
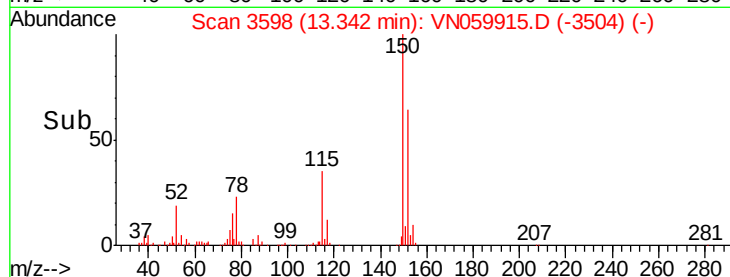
152 100

115 56.7 30.3 90.9

150 158.2 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-amil acetate

Concen: 0.488 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

Tgt Ion: 43 Resp: 1608

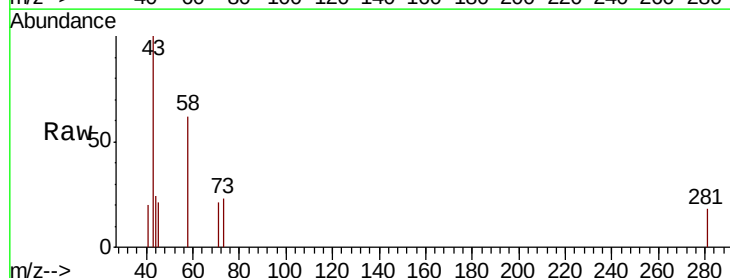
Ion Ratio Lower Upper

43 100

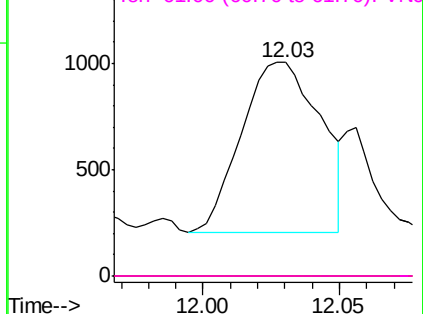
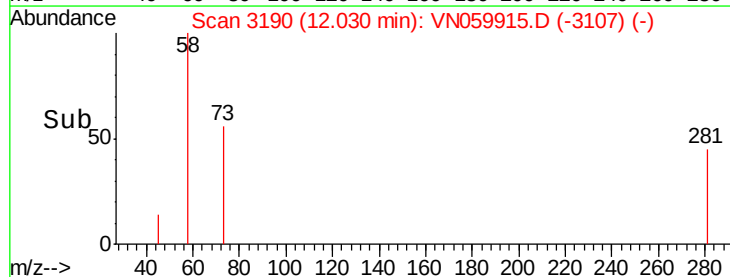
70 0.0 31.3 46.9#

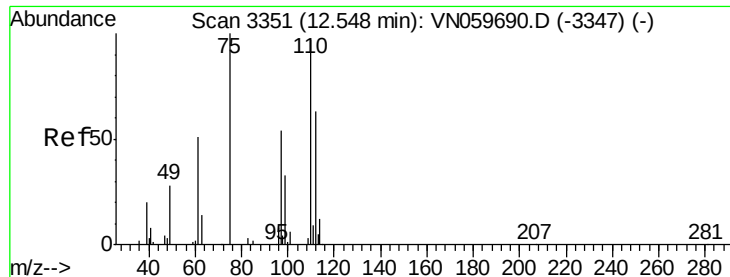
55 0.0 19.8 29.6#

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: 32.337 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059915.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_N

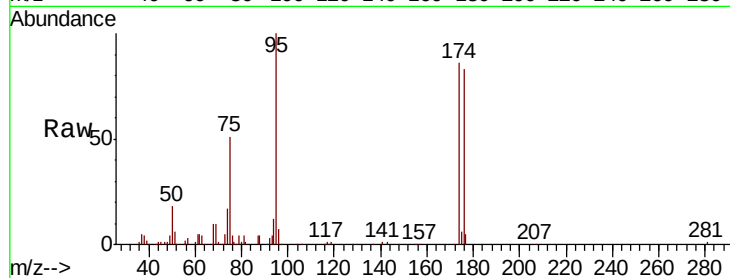
ClientSampled :

Tot Ion: 75 Resp: 63053

Ion Ratio Lower Upper

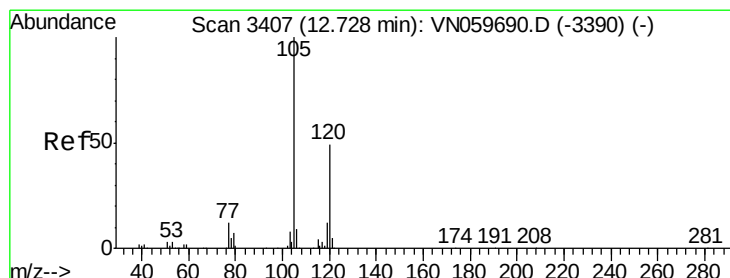
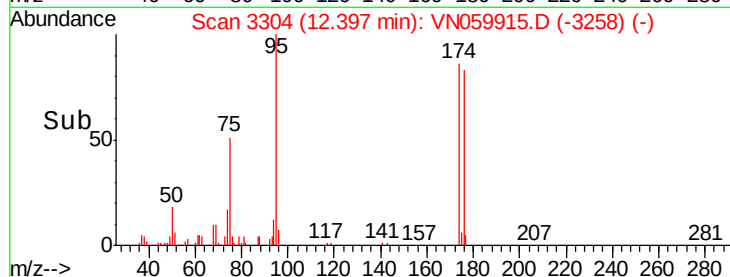
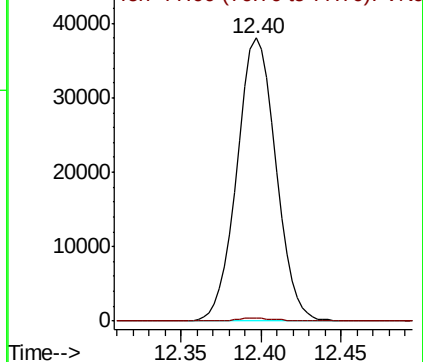
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.204 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059915.D

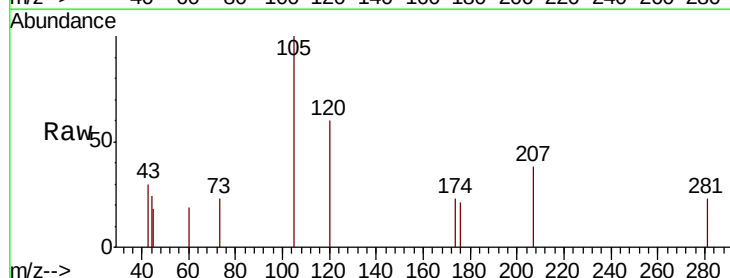
Acq: 29 Jan 2020 16:20

Tgt Ion: 105 Resp: 1457

Ion Ratio Lower Upper

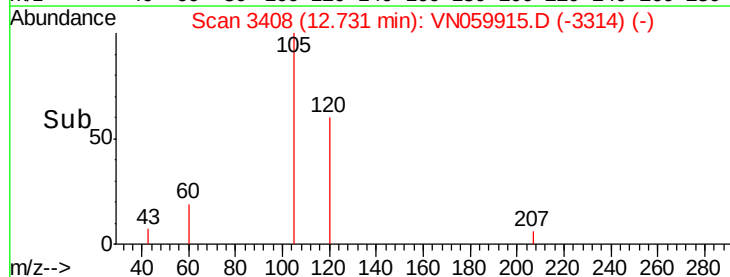
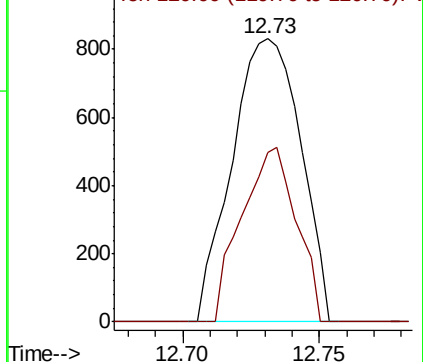
105 100

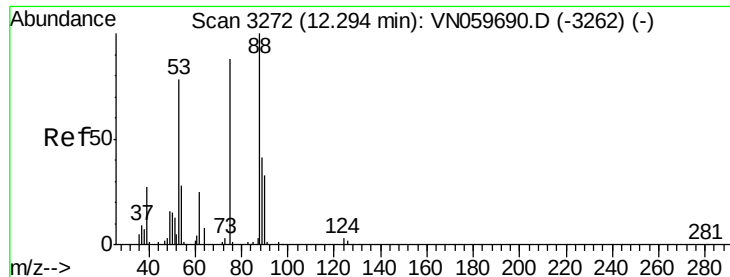
120 49.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

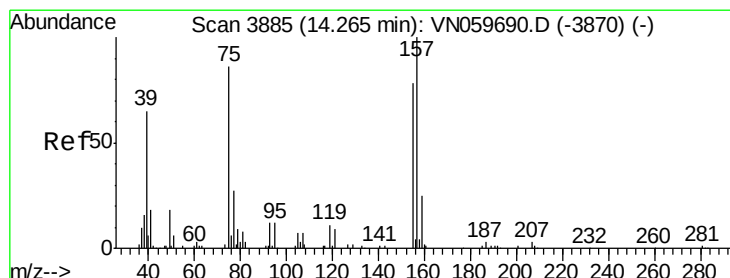
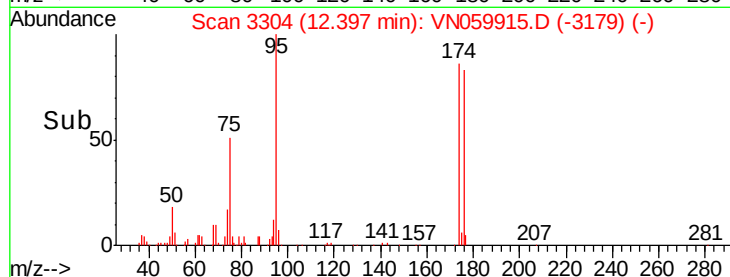
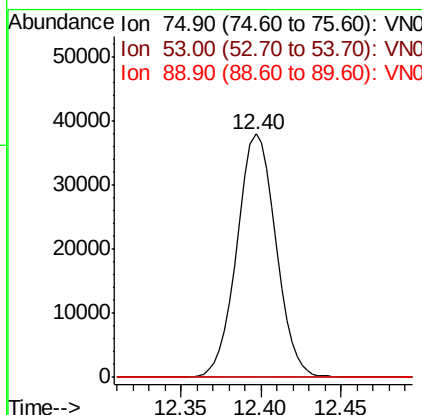
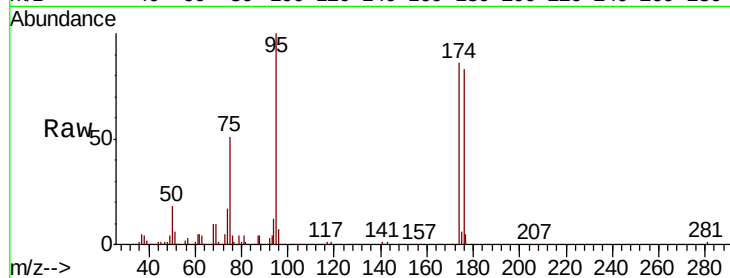




#81
trans-1,4-Dichloro-2-butene
Concen: 69.444 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 63053
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: 14.32 min Scan# 3903
Delta R.T. 0.06 min
Lab File: VN059915.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

