

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059849.D
 Acq On : 24 Jan 2020 16:41
 Operator : JC/MD
 Sample : L1247-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:29:24 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	207174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110460	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	110130	47.87	ug/l	0.00
Spiked Amount						
			Recovery	=	95.74%	
35) Dibromofluoromethane	7.57	113	95465	51.24	ug/l	0.00
Spiked Amount						
			Recovery	=	102.48%	
50) Toluene-d8	10.08	98	364300	50.47	ug/l	0.00
Spiked Amount						
			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	116761	44.87	ug/l	0.00
Spiked Amount						
			Recovery	=	89.74%	

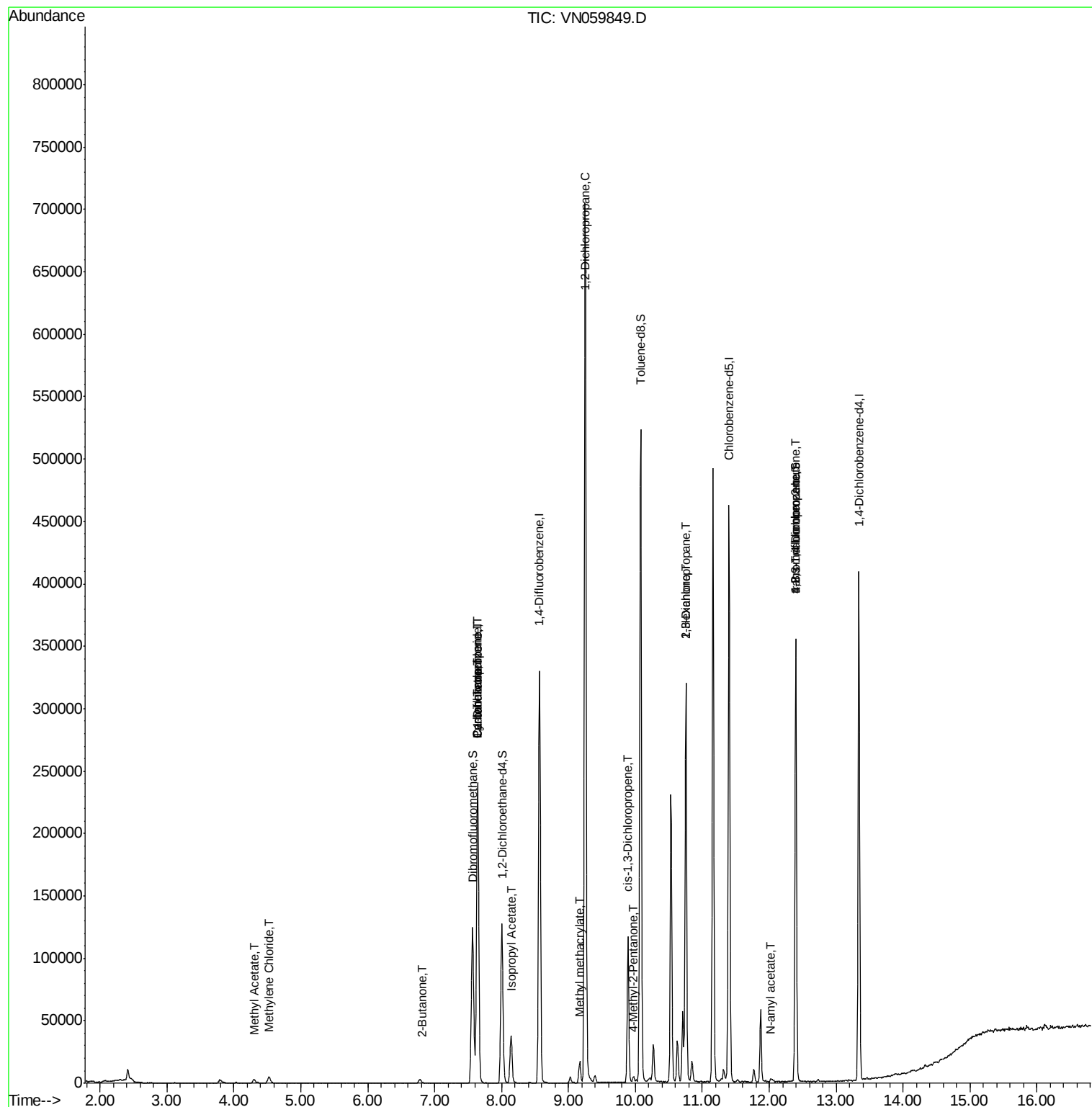
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4577	Below Cal	#	88
18) Methyl Acetate	4.30	43	5264	1.959	ug/l	99
20) Methylene Chloride	4.52	84	4083	0.685	ug/l #	80
25) 2-Butanone	6.82	43	493	0.378	ug/l #	50
31) Cyclohexane	7.64	56	3819	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14061	5.169	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19427	6.565	ug/l #	15
43) Isopropyl Acetate	8.14	43	44905	10.232	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	920	0.458	ug/l #	44
48) Methyl methacrylate	9.16	41	2295	1.169	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2819	1.111	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	22421	6.687	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3672	1.140	ug/l #	42
59) 2-Hexanone	10.75	43	42606	22.795	ug/l #	56
74) N-amyl acetate	12.03	43	2185	0.695	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	59576	32.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59576	68.824	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.32	75	60	Below Cal	#	6

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059849.D

Acq: 24 Jan 2020 16:41

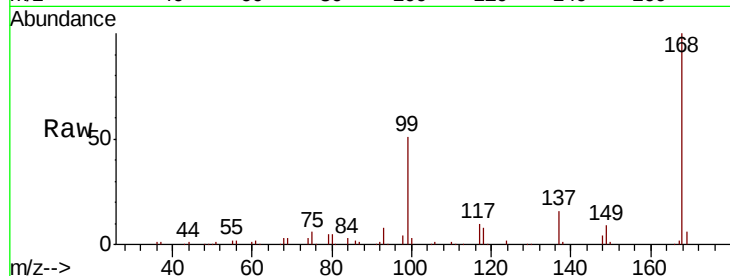
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 207174

Ion Ratio Lower Upper

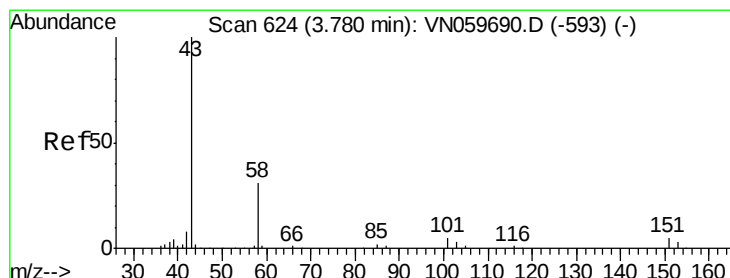
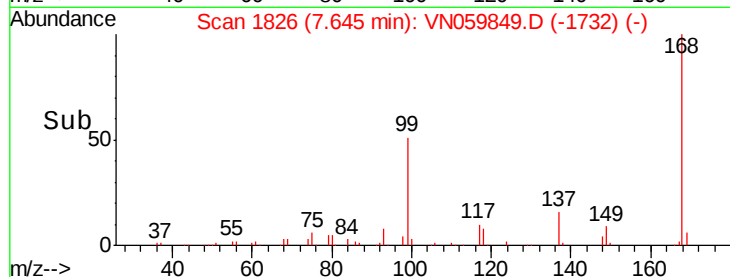
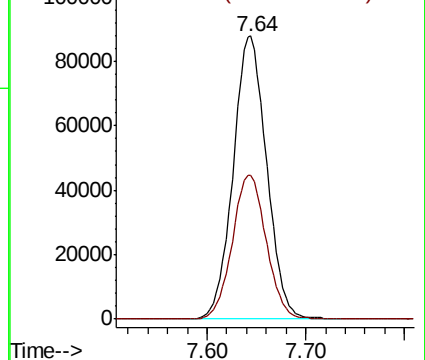
168 100

99 50.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059849.D

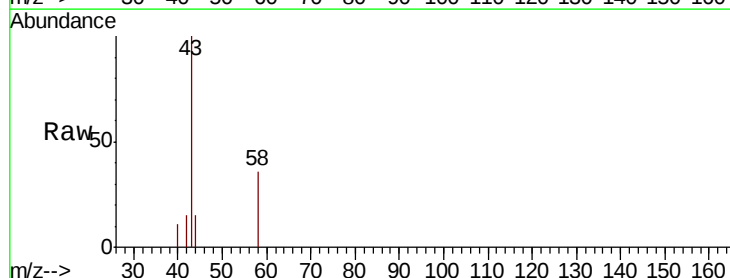
Acq: 24 Jan 2020 16:41

Tgt Ion: 43 Resp: 4577

Ion Ratio Lower Upper

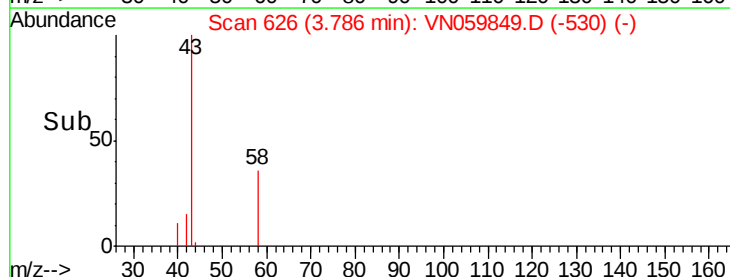
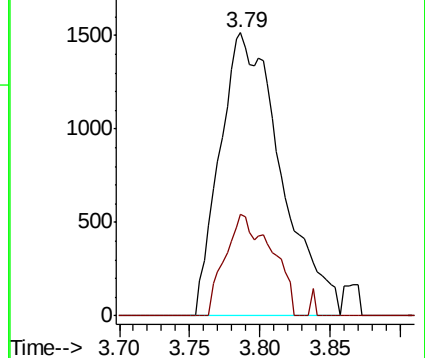
43 100

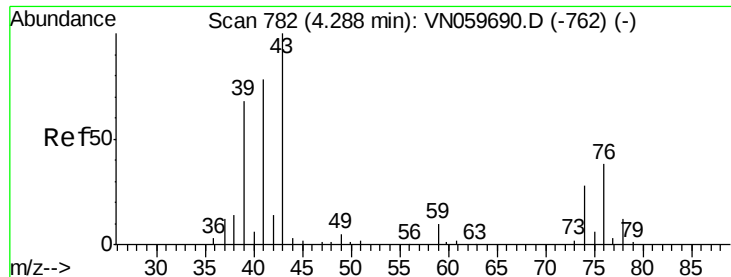
58 36.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

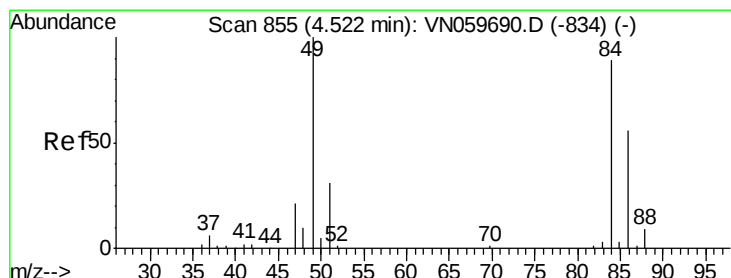
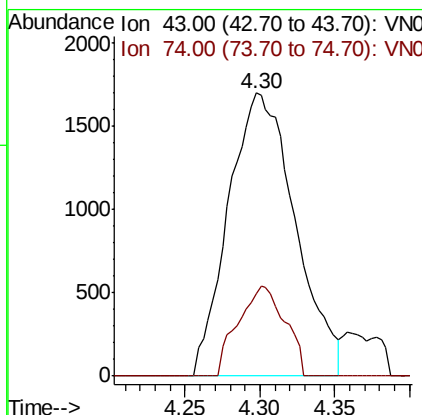
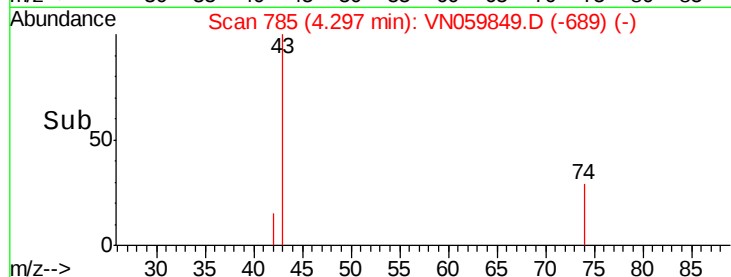
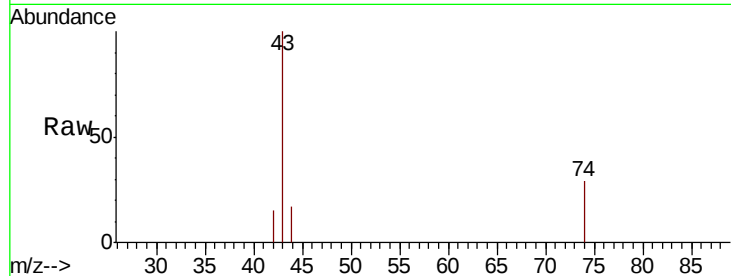




#18
Methyl Acetate
Concen: 1.959 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

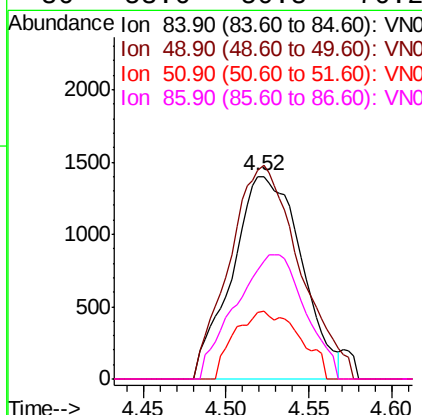
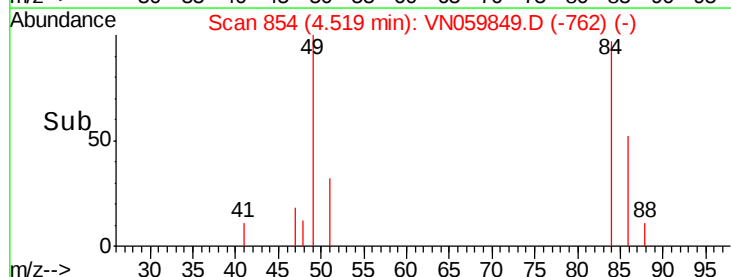
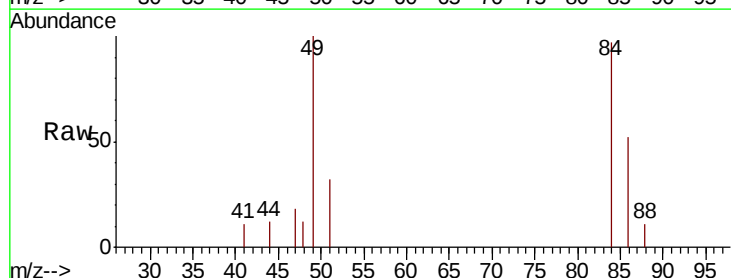
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MSVOA_N
ClientSampled :

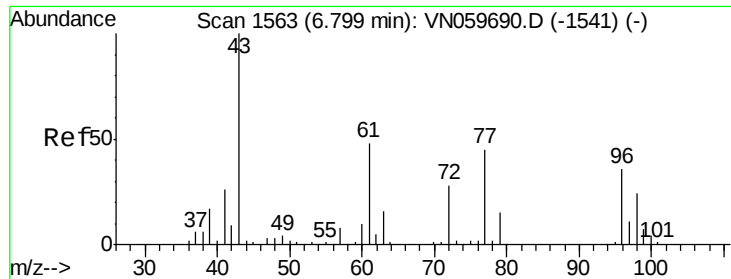
Tot Ion: 43 Resp: 5264
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#20
Methylene Chloride
Concen: 0.685 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Tgt Ion: 84 Resp: 4083
Ion Ratio Lower Upper
84 100
49 102.8 106.6 160.0#
51 33.1 31.9 47.9
86 53.6 50.8 76.2

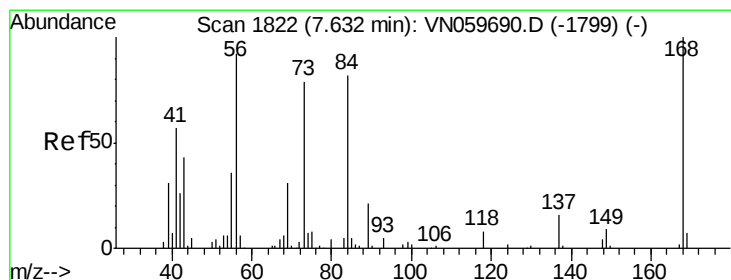
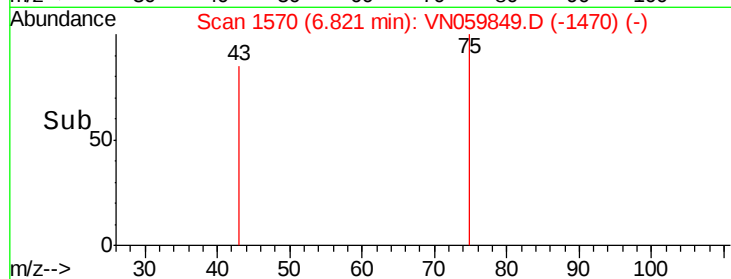
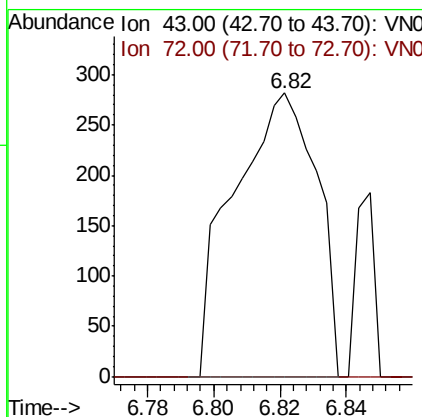
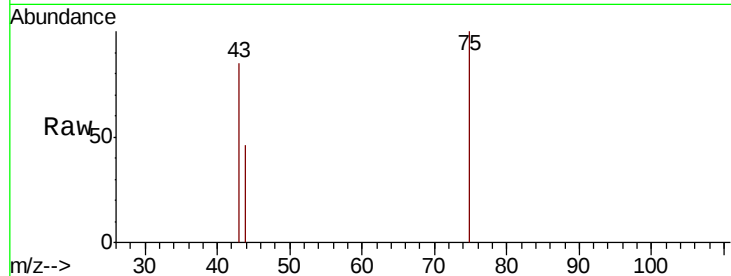




#25
2-Butanone
Concen: 0.378 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

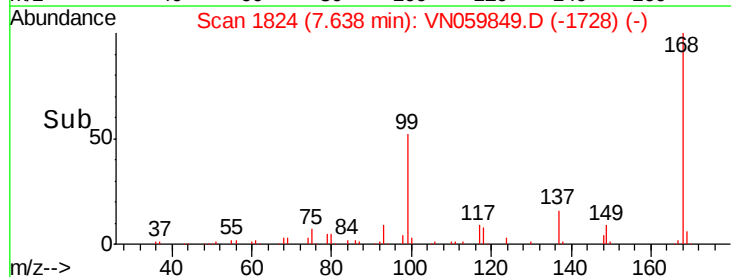
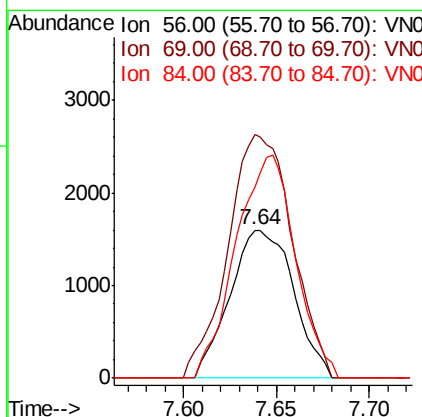
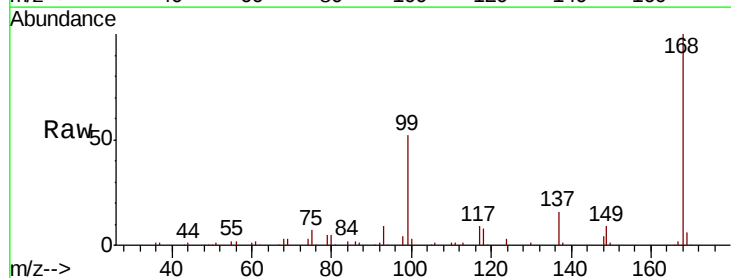
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Tgt Ion: 56 Resp: 3819
Ion Ratio Lower Upper
56 100
69 164.8 26.5 39.7#
84 129.6 65.3 97.9#

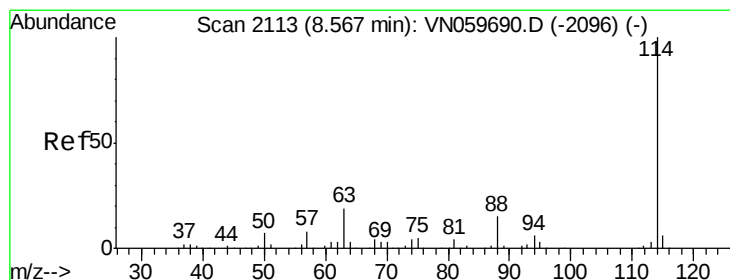
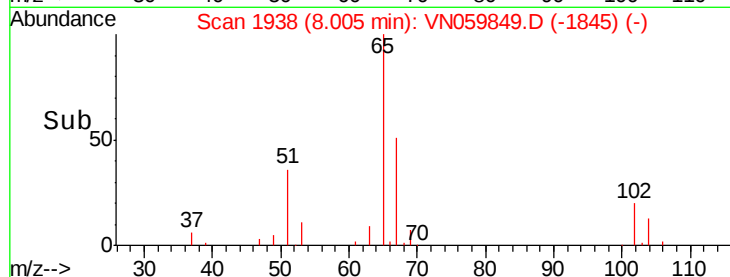
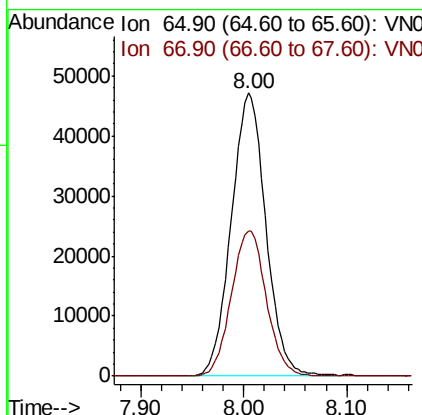
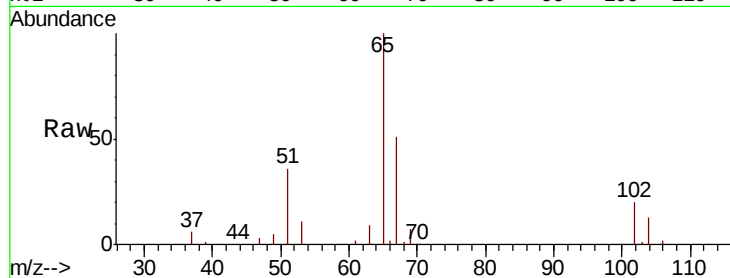




#33
 1,2-Dichloroethane-d4
 Concen: 47.868 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059849.D
 Acq: 24 Jan 2020 16:41

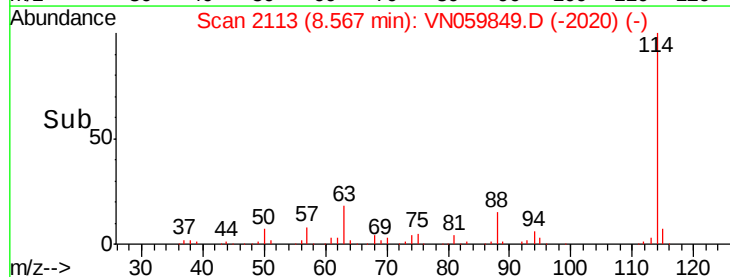
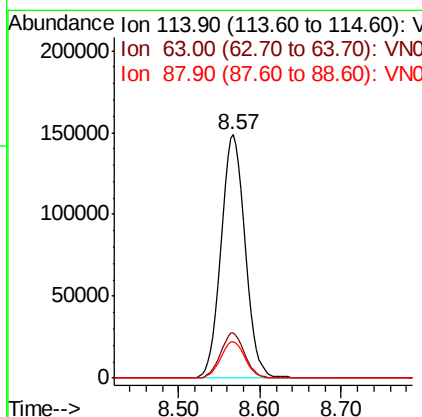
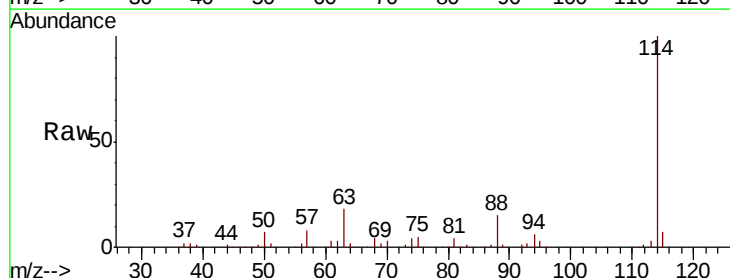
Instrument :
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 ClientSampled :

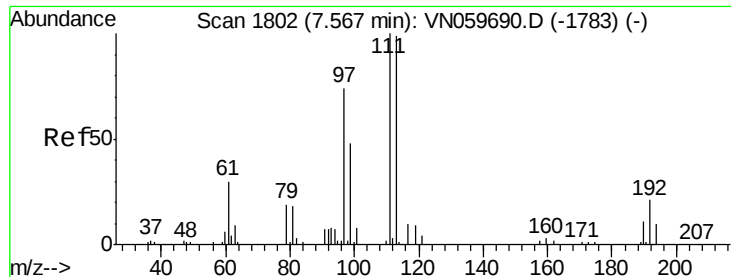
Tot Ion: 65 Resp: 110130
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059849.D
 Acq: 24 Jan 2020 16:41

Tgt Ion: 114 Resp: 312400
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.6
 88 15.0 0.0 31.4

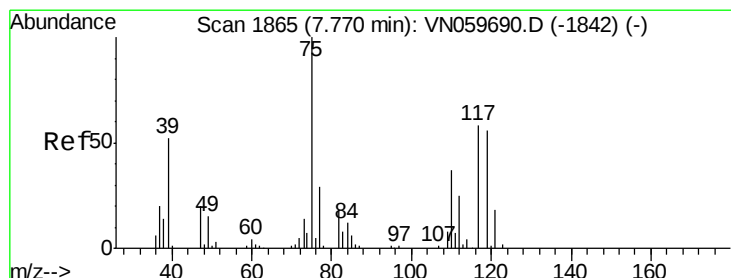
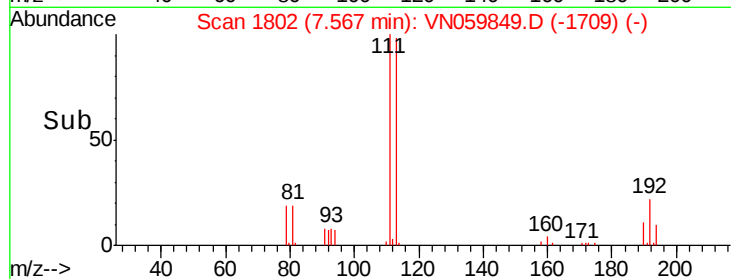
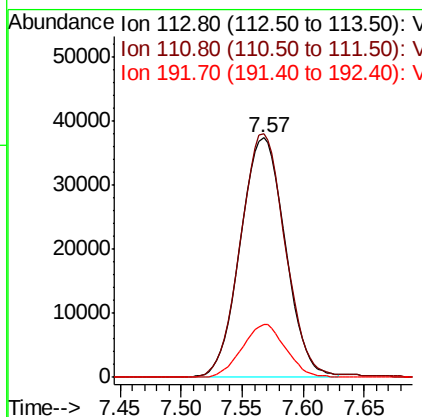
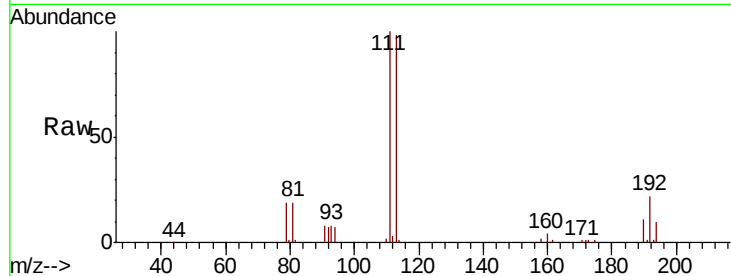




#35
 Dibromofluoromethane
 Concen: 51.243 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059849.D
 Acq: 24 Jan 2020 16:41

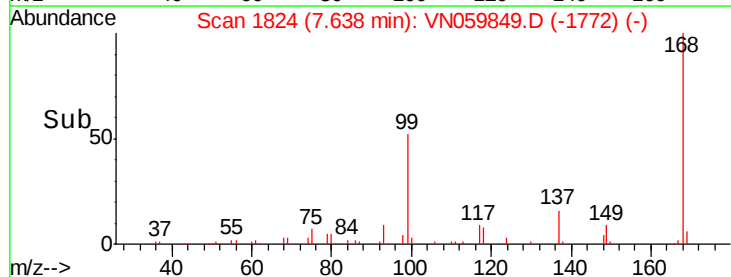
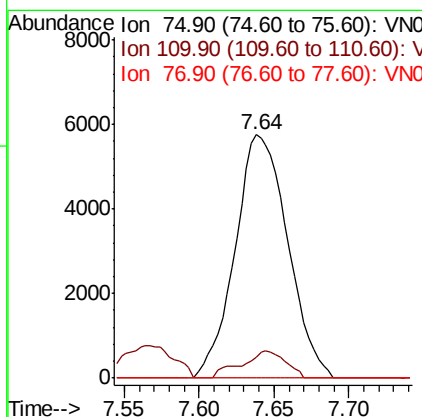
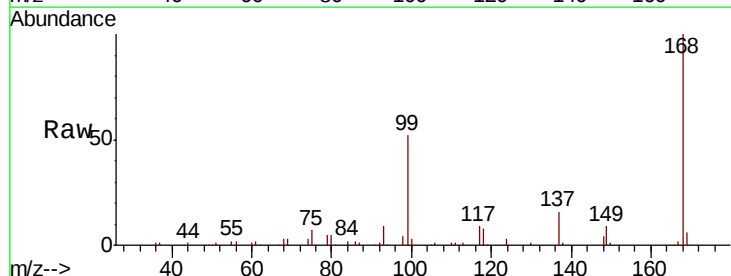
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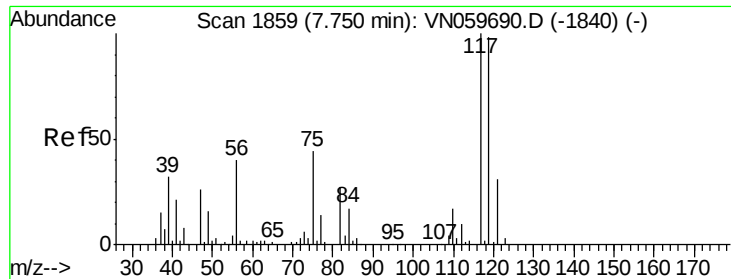
Tot Ion:113 Resp: 95465
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.5 125.3
 192 21.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.169 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059849.D
 Acq: 24 Jan 2020 16:41

Tgt Ion: 75 Resp: 14061
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.6 49.7#
 77 0.0 25.1 37.7#

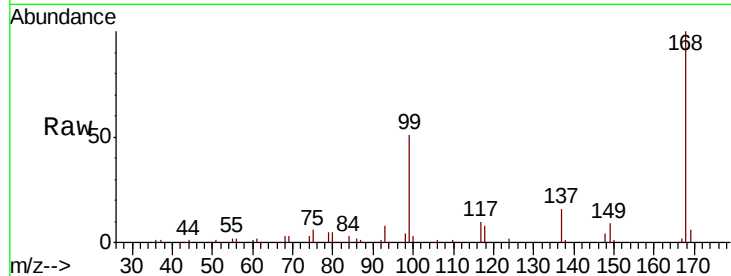




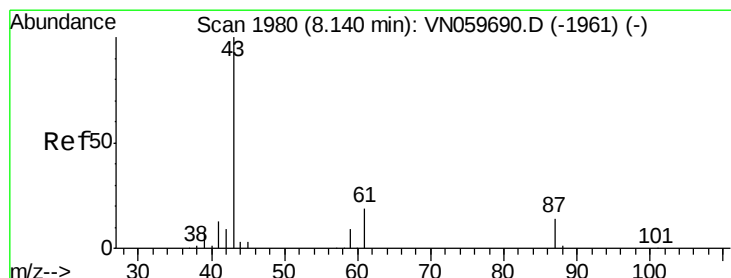
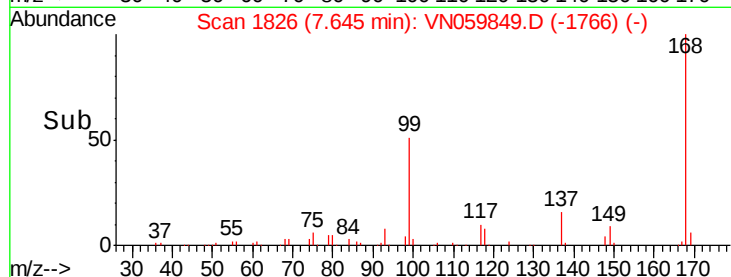
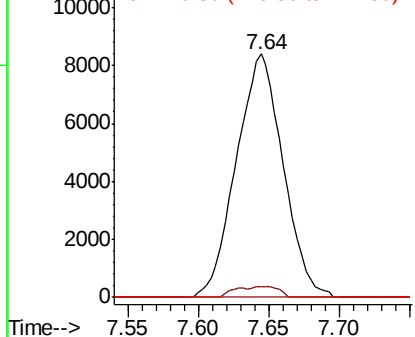
#38
Carbon Tetrachloride
Concen: 6.565 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 19427
Ion Ratio Lower Upper
117 100
119 4.2 76.5 114.7#
121 0.0 25.1 37.7#

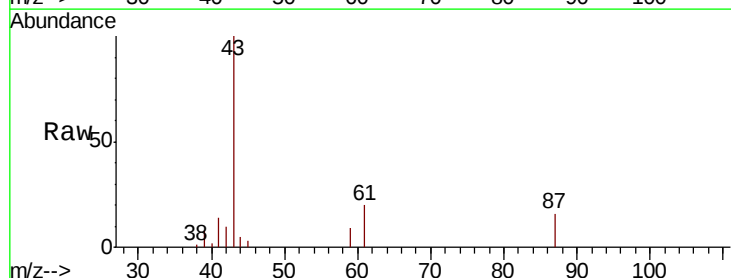


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

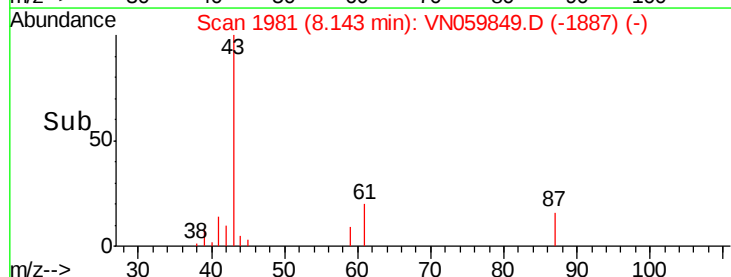
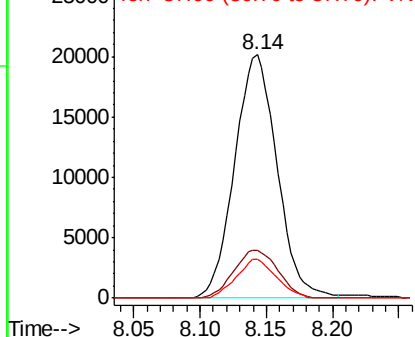


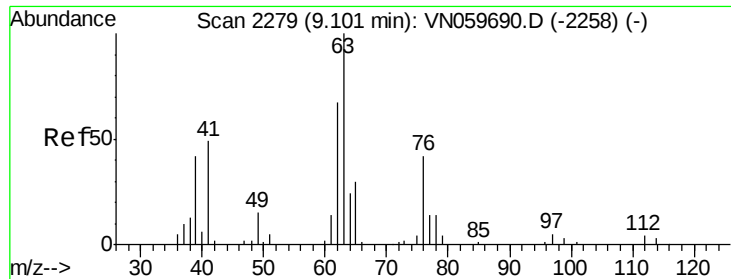
#43
Isopropyl Acetate
Concen: 10.232 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Tgt Ion: 43 Resp: 44905
Ion Ratio Lower Upper
43 100
61 20.4 20.2 30.2
87 14.8 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

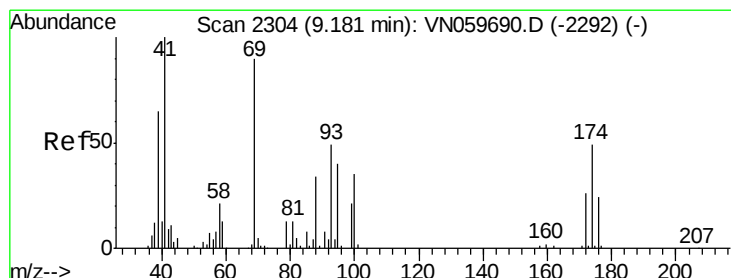
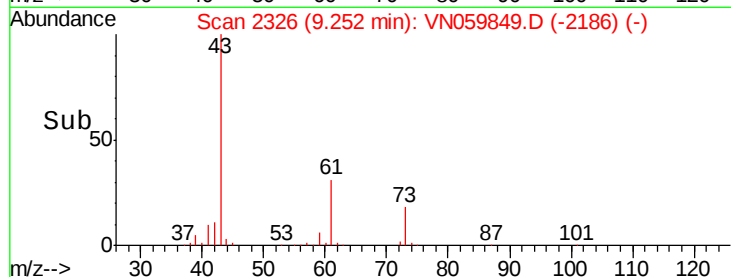
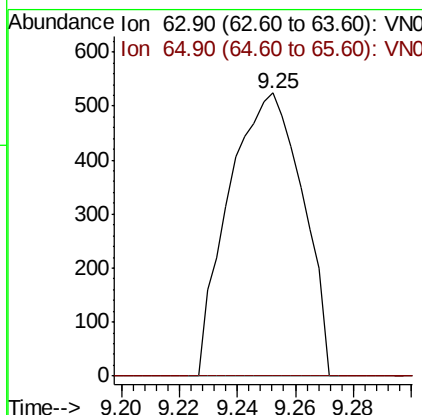
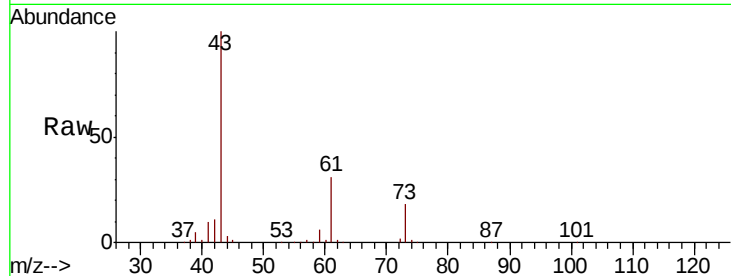




#45
 1,2-Dichloropropane
 Concen: 0.458 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN059849.D
 Acq: 24 Jan 2020 16:41

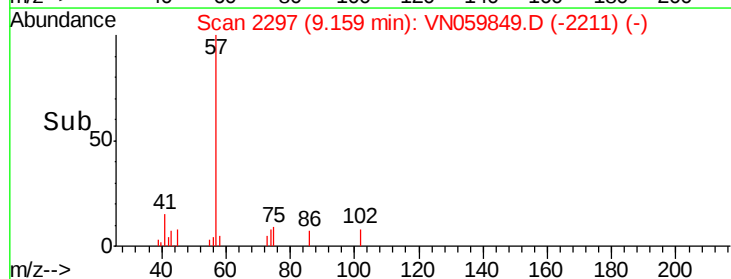
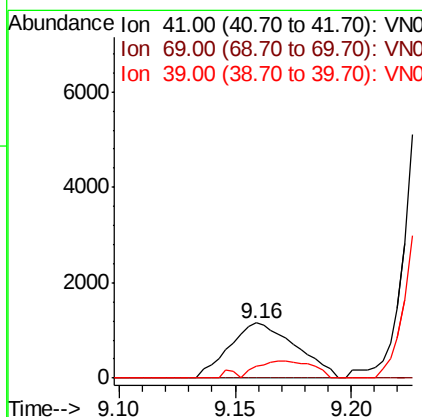
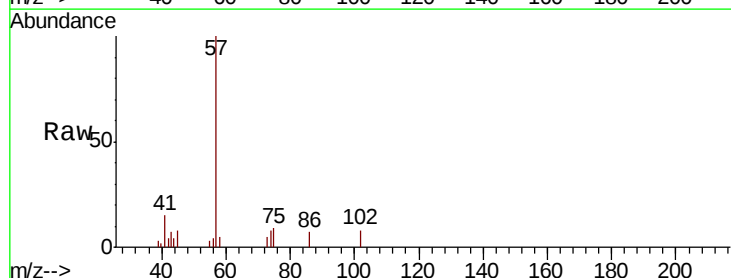
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 ClientSampled :

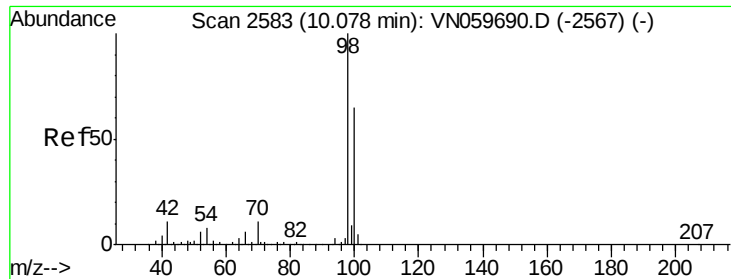
Tot Ion: 63 Resp: 920
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.169 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN059849.D
 Acq: 24 Jan 2020 16:41

Tgt Ion: 41 Resp: 2295
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.470 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059849.D

Acq: 24 Jan 2020 16:41

Instrument :

MSVOA_N

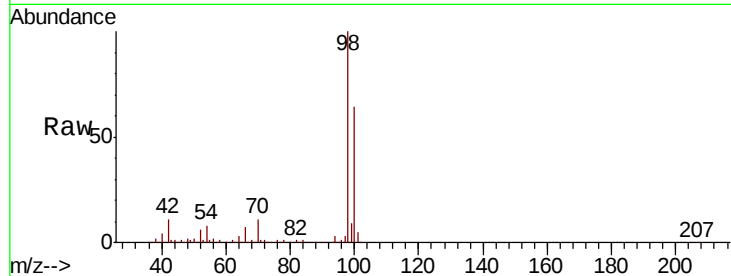
ClientSampled :

Tot Ion: 98 Resp: 364300

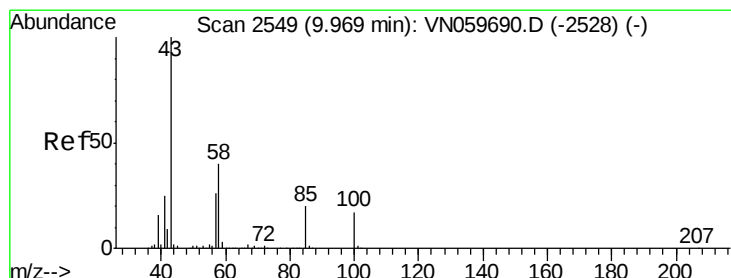
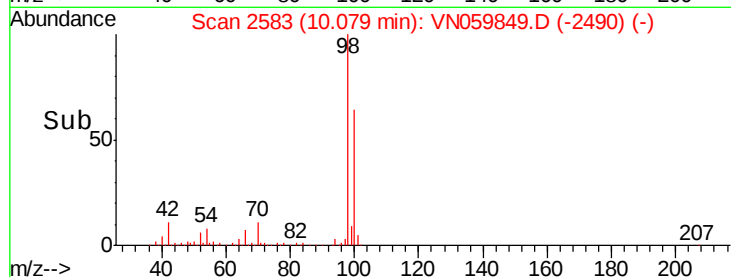
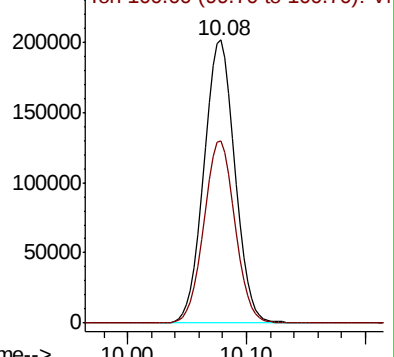
Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.111 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059849.D

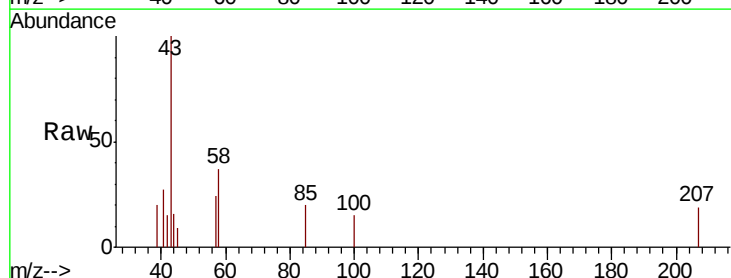
Acq: 24 Jan 2020 16:41

Tgt Ion: 43 Resp: 2819

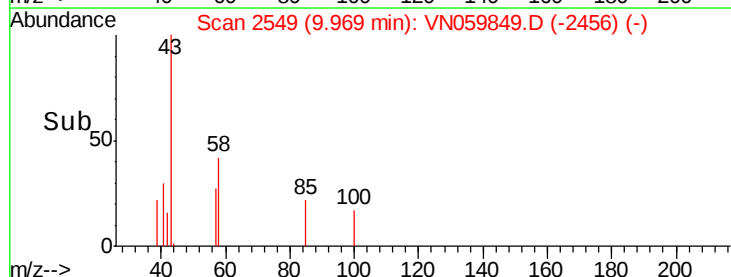
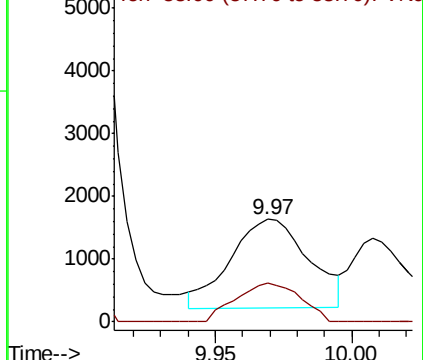
Ion Ratio Lower Upper

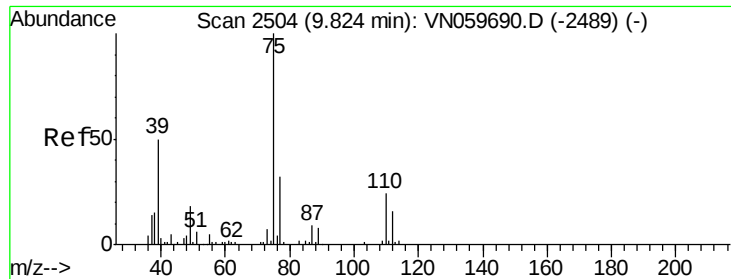
43 100

58 36.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.687 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059849.D

Acq: 24 Jan 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

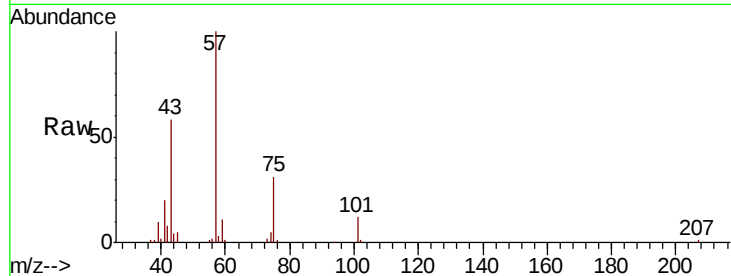
Tot Ion: 75 Resp: 22421

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

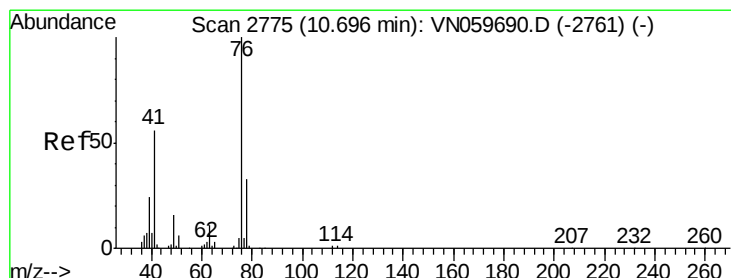
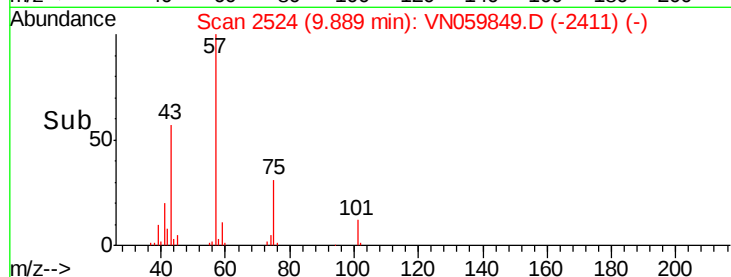
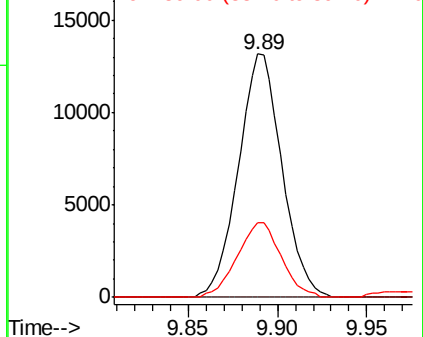
39 30.8 46.1 69.1#



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



#57

1,3-Dichloropropane

Concen: 1.140 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN059849.D

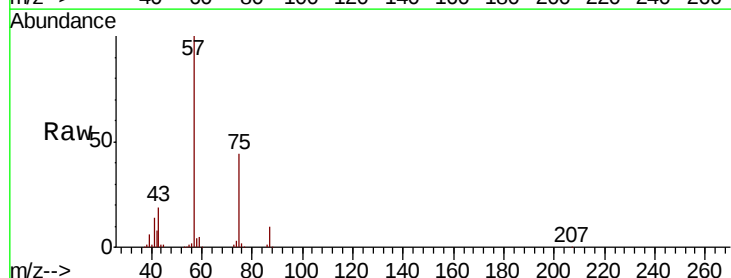
Acq: 24 Jan 2020 16:41

Tgt Ion: 76 Resp: 3672

Ion Ratio Lower Upper

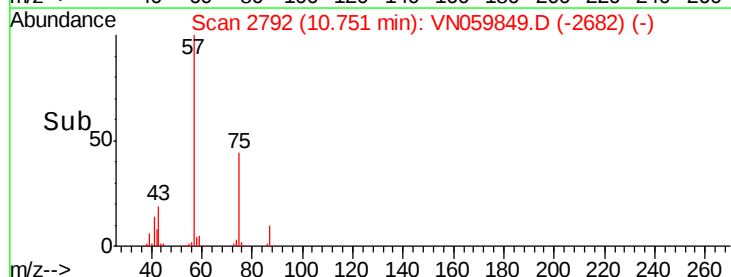
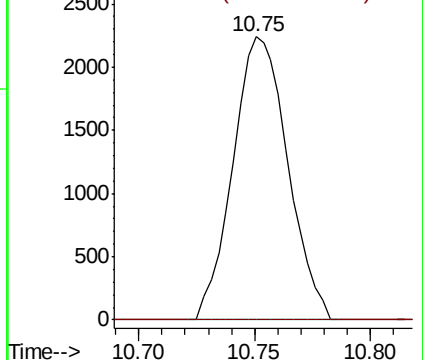
76 100

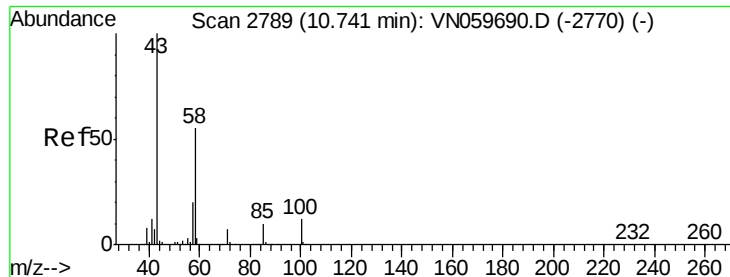
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

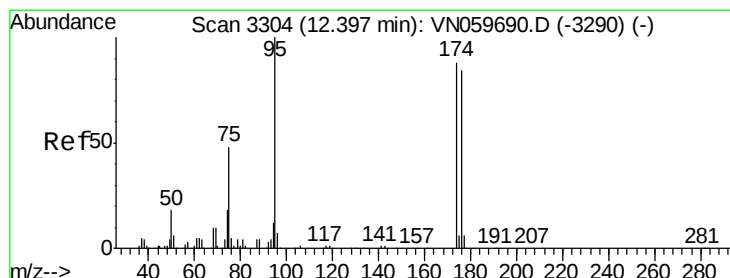
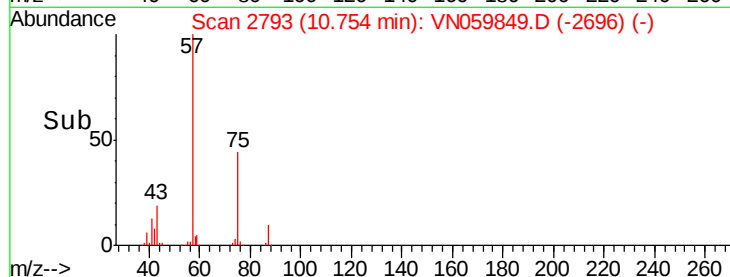
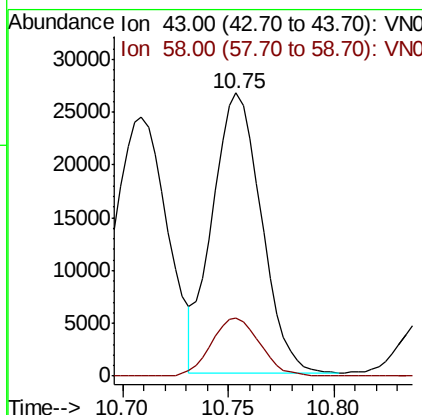
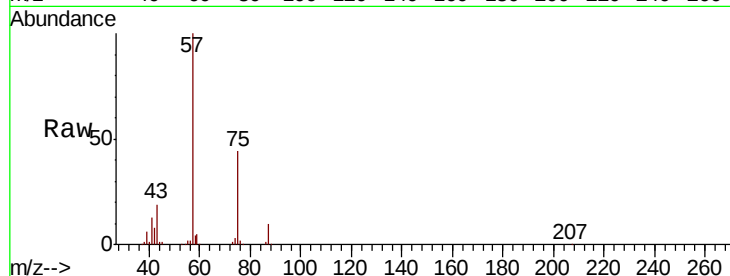




#59
2-Hexanone
Concen: 22.795 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

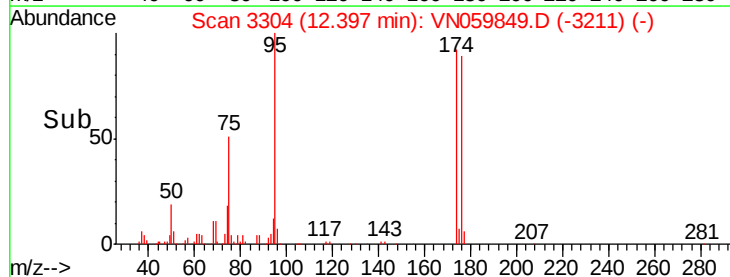
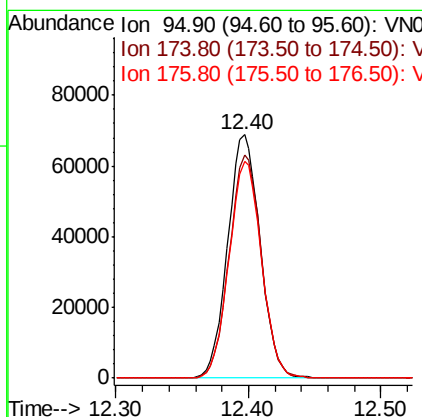
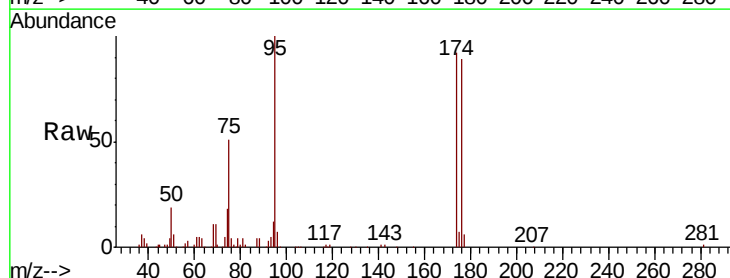
Instrument :
MSVOA_N
ClientSampleId :

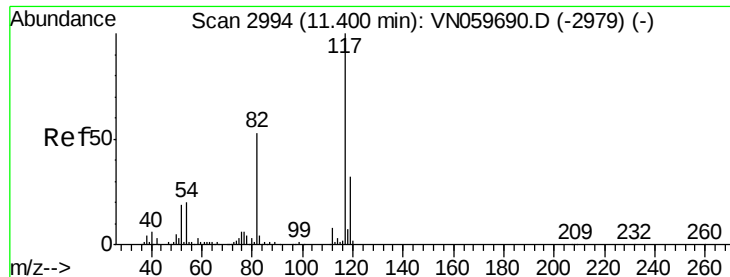
Tot Ion: 43 Resp: 42606
Ion Ratio Lower Upper
43 100
58 20.5 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 44.871 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Tgt Ion: 95 Resp: 116761
Ion Ratio Lower Upper
95 100
174 91.0 0.0 151.4
176 88.9 0.0 146.0

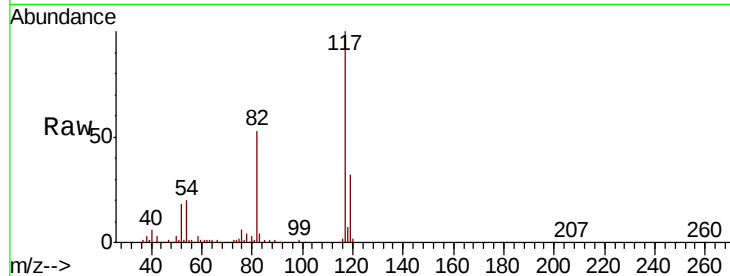




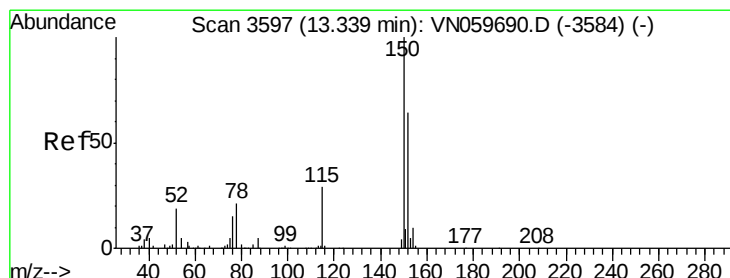
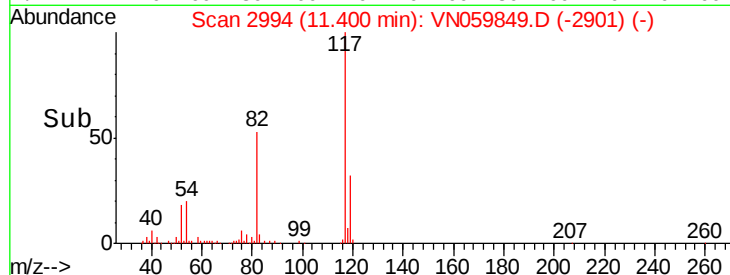
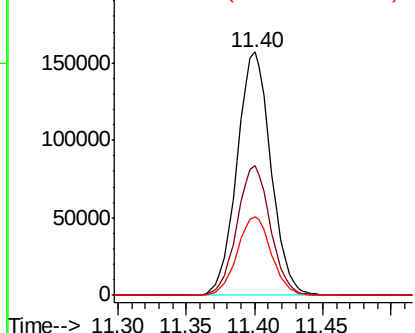
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 270964
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 32.5 25.5 38.3

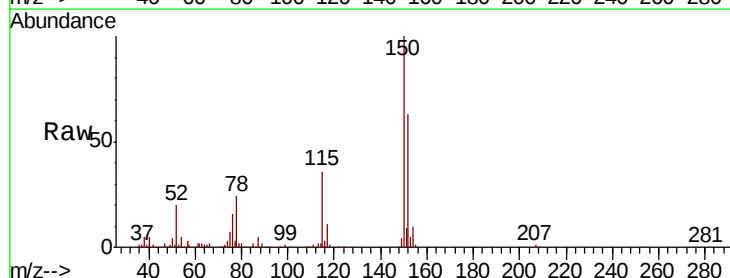


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

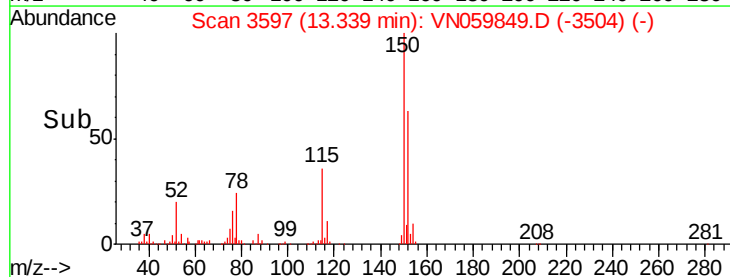
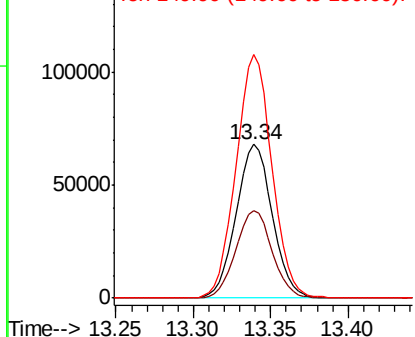


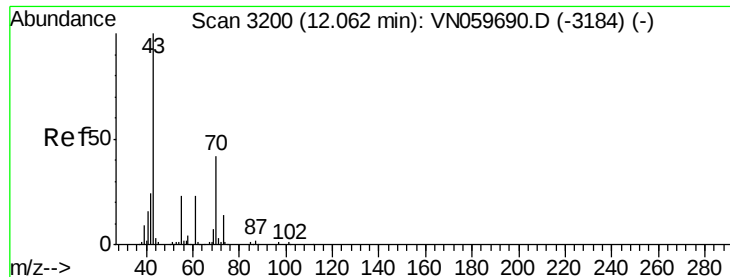
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059849.D
Acq: 24 Jan 2020 16:41

Tgt Ion:152 Resp: 110460
Ion Ratio Lower Upper
152 100
115 57.4 30.3 90.9
150 157.0 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-amvl acetate

Concen: 0.695 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059849.D

Acq: 24 Jan 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2185

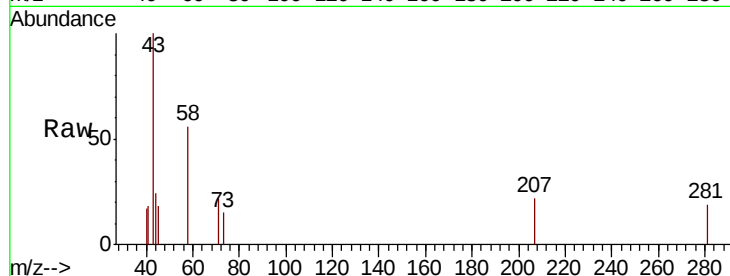
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

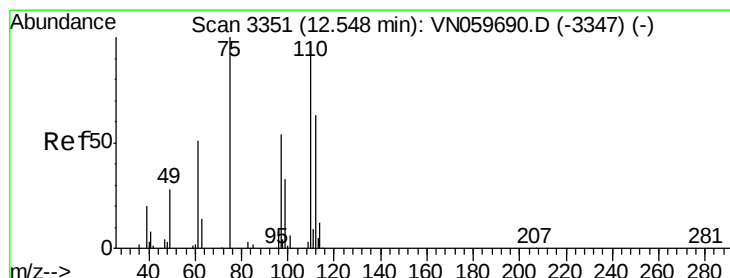
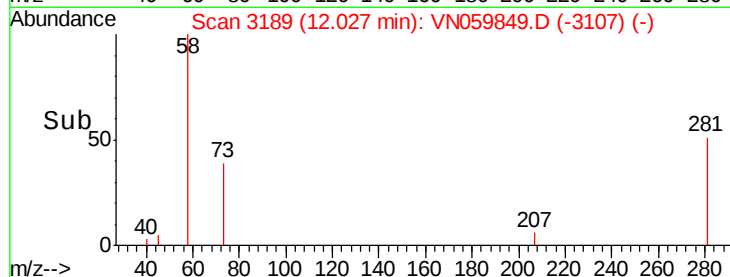
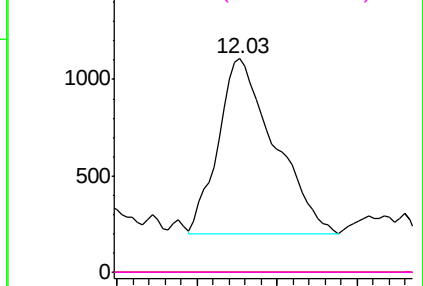


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 32.049 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059849.D

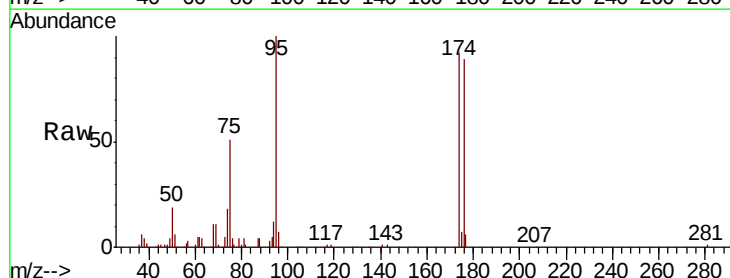
Acq: 24 Jan 2020 16:41

Tgt Ion: 75 Resp: 59576

Ion Ratio Lower Upper

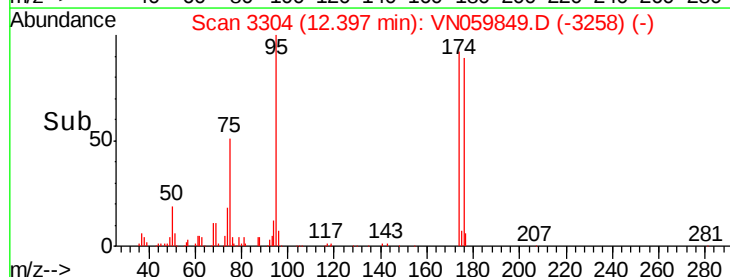
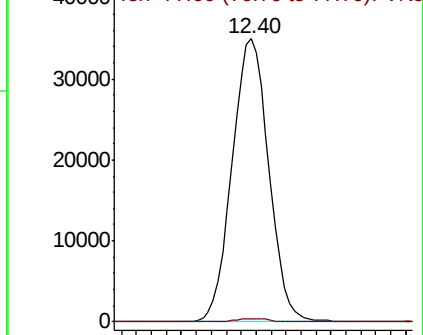
75 100

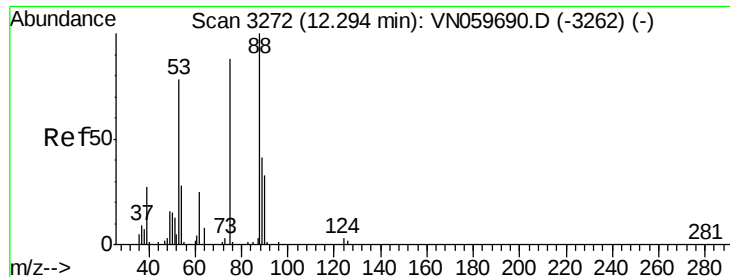
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.824 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059849.D

Acq: 24 Jan 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

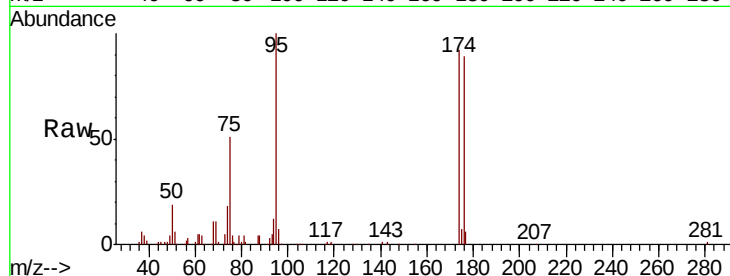
Tot Ion: 75 Resp: 59576

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

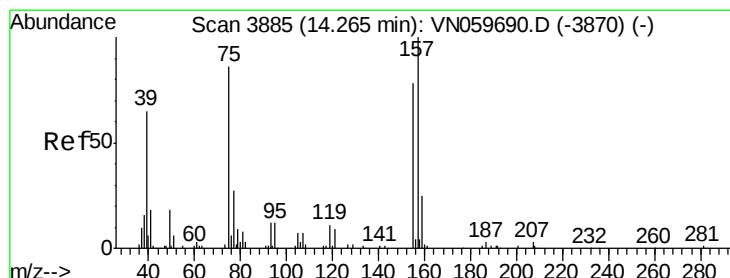
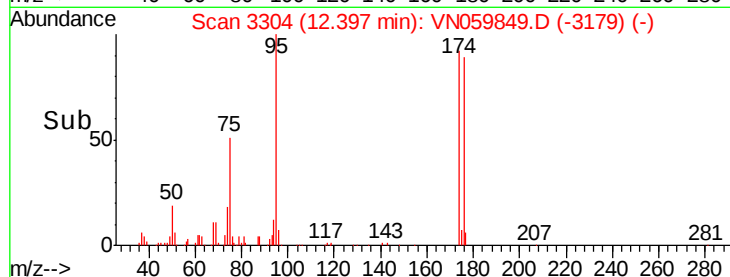
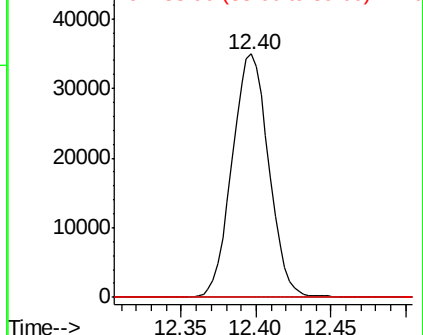
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.32 min Scan# 3902

Delta R.T. 0.06 min

Lab File: VN059849.D

Acq: 24 Jan 2020 16:41

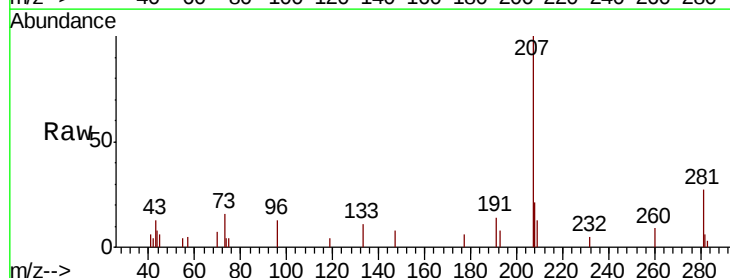
Tgt Ion: 75 Resp: 60

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

