

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059850.D
 Acq On : 24 Jan 2020 17:04
 Operator : JC/MD
 Sample : L1247-30
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:29:37 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	203448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108452	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	107768	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	7.57	113	92285	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.08	98	360963	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	116969	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

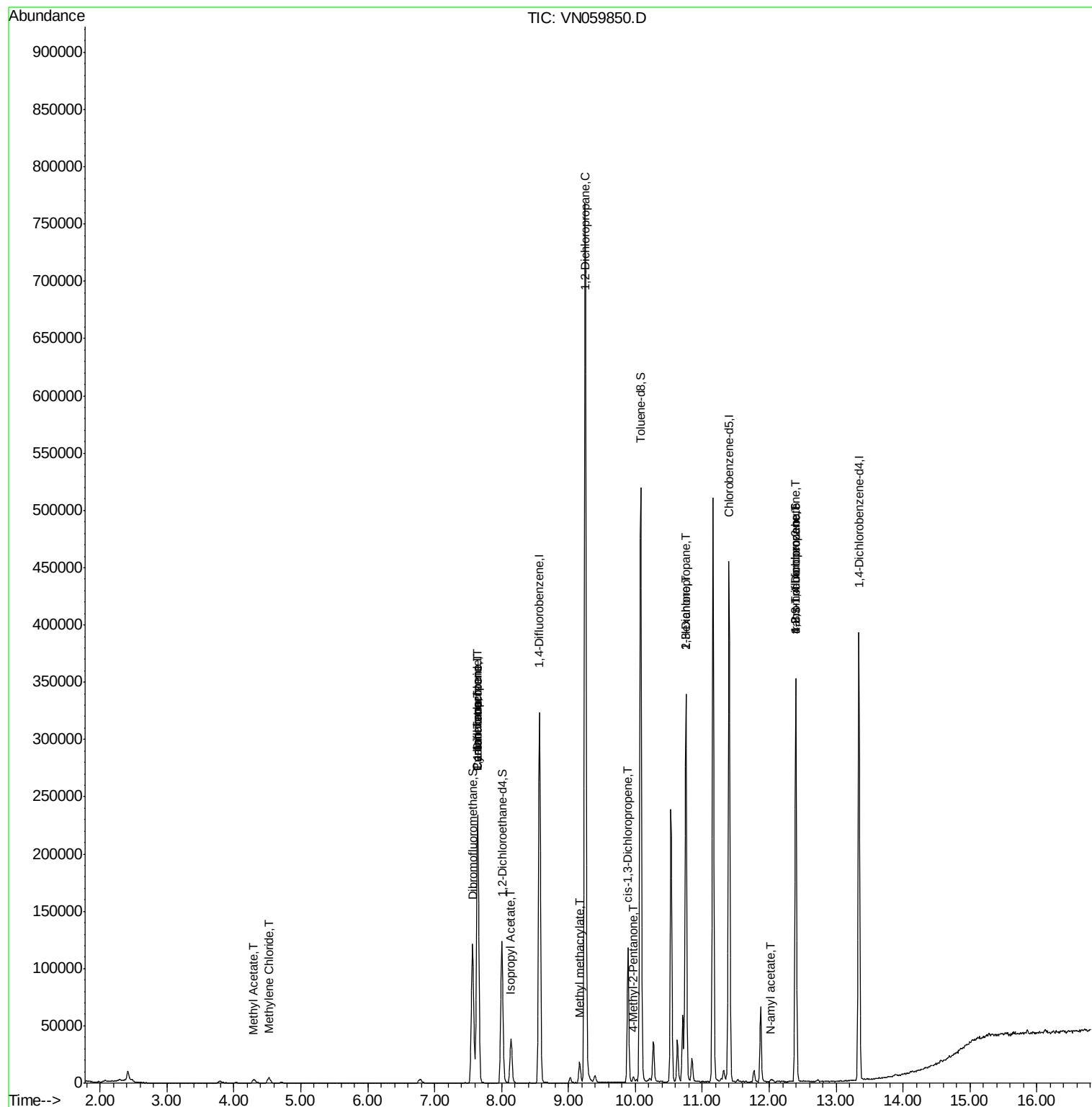
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3600	Below Cal		90
18) Methyl Acetate	4.29	43	6669	2.527	ug/l #	75
20) Methylene Chloride	4.52	84	3904	0.632	ug/l #	80
31) Cyclohexane	7.64	56	3812	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14387	5.394	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18586	6.406	ug/l #	16
43) Isopropyl Acetate	8.14	43	46059	10.704	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	910	0.462	ug/l #	44
48) Methyl methacrylate	9.16	41	2612	1.357	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2923	1.175	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	22762	6.924	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3693	1.169	ug/l #	42
59) 2-Hexanone	10.75	43	46447	25.347	ug/l #	55
74) N-amyl acetate	12.02	43	1480	0.480	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	59339	32.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59339	69.820	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	60	Below Cal	#	6

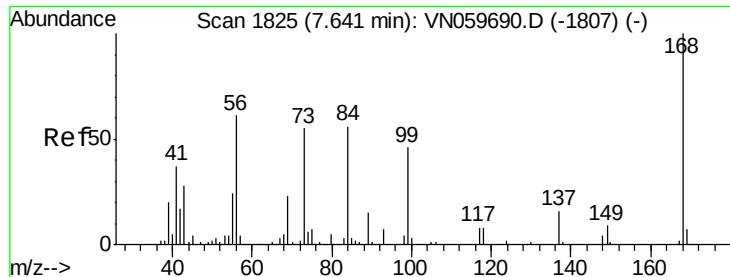
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012420\
Data File : VN059850.D
Acq On : 24 Jan 2020 17:04
Operator : JC/MD
Sample : L1247-30
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Jan 25 00:29:37 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: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

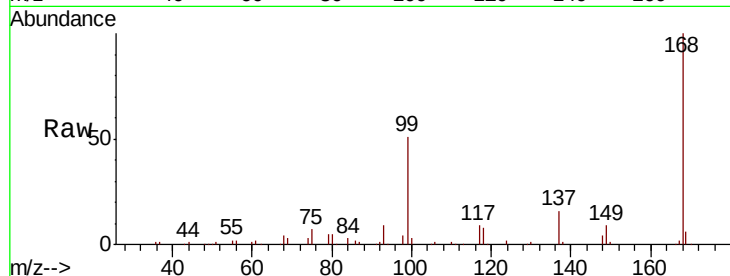
ClientSampleId :

Tot Ion:168 Resp: 203448

Ion Ratio Lower Upper

168 100

99 51.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059850.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059850.D (-1732) (-)

7.64

80000

60000

40000

20000

0

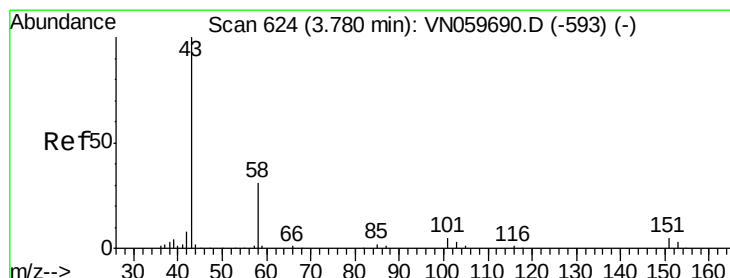
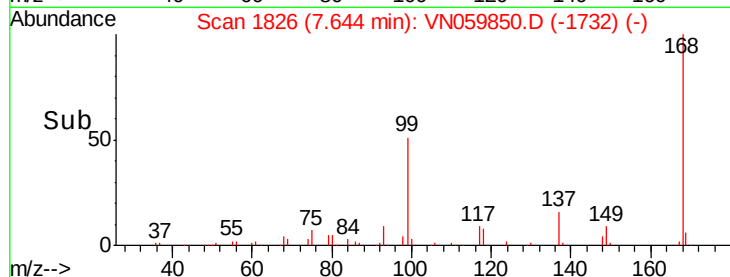
Time-->

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: VN059850.D

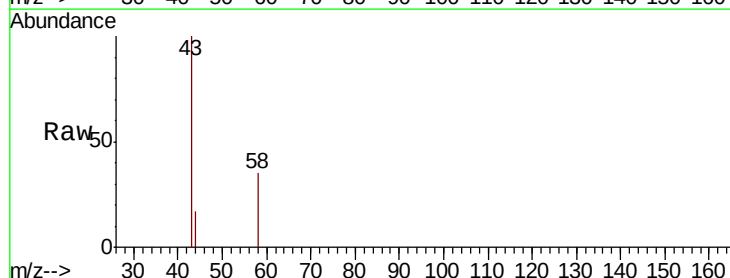
Acq: 24 Jan 2020 17:04

Tgt Ion: 43 Resp: 3600

Ion Ratio Lower Upper

43 100

58 35.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059850.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059850.D (-530) (-)

3.79

1000

500

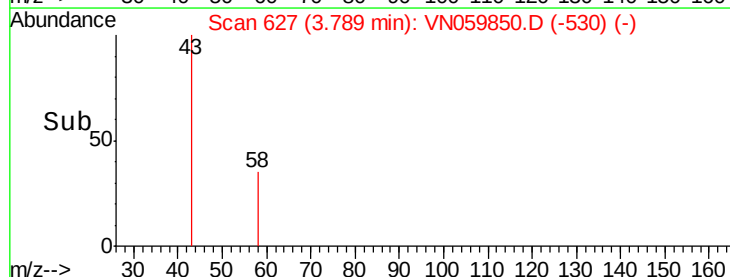
0

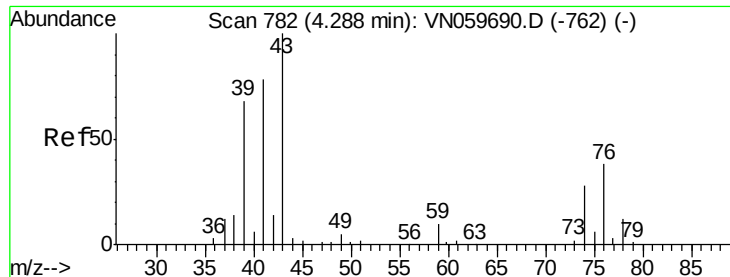
Time-->

3.75

3.80

3.85





#18

Methyl Acetate

Concen: 2.527 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

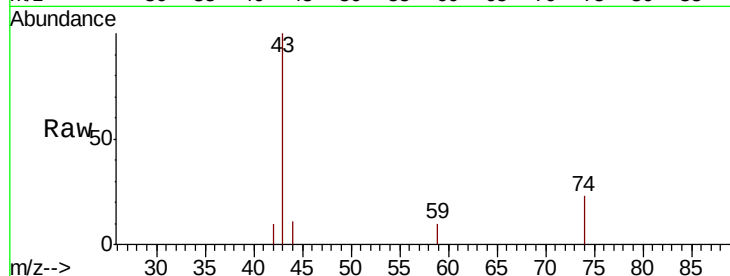
ClientSampleId :

Tot Ion: 43 Resp: 6669

Ion Ratio Lower Upper

43 100

74 10.1 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059850.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059850.D (-689) (-)

4.29

2000

1500

1000

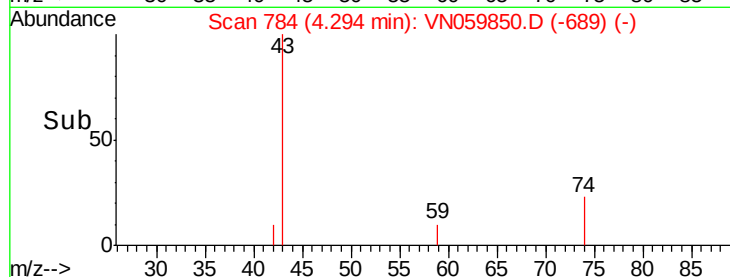
500

0

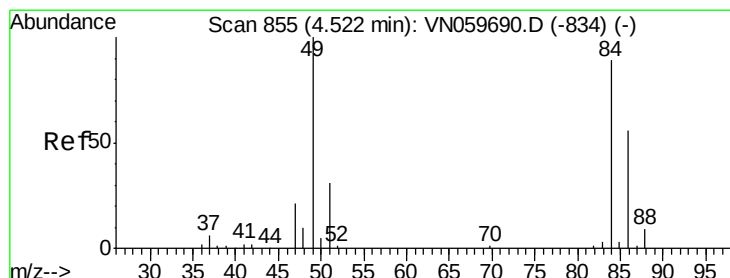
4.20

4.30

4.40



Time-->



#20

Methylene Chloride

Concen: 0.632 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Tgt Ion: 84 Resp: 3904

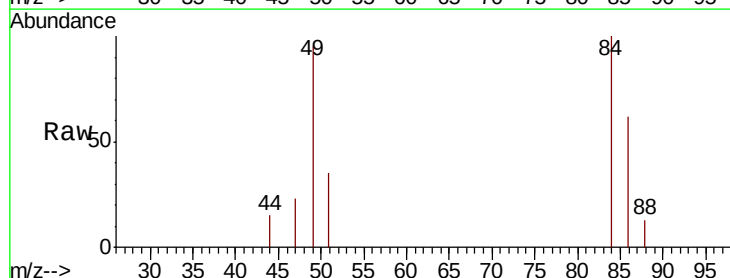
Ion Ratio Lower Upper

84 100

49 95.1 106.6 160.0#

51 34.8 31.9 47.9

86 61.9 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN059850.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN059850.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN059850.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN059850.D (-762) (-)

4.52

2000

1500

1000

500

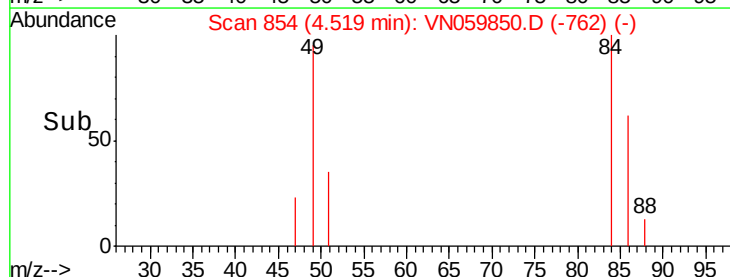
0

4.45

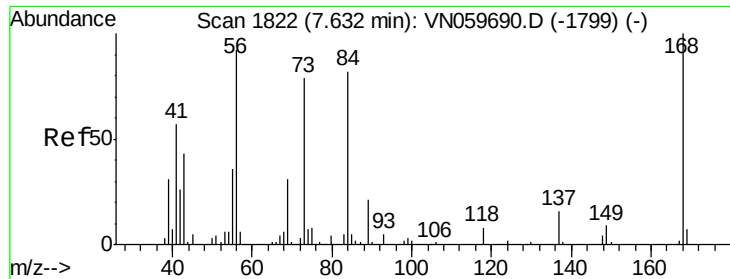
4.50

4.55

4.60



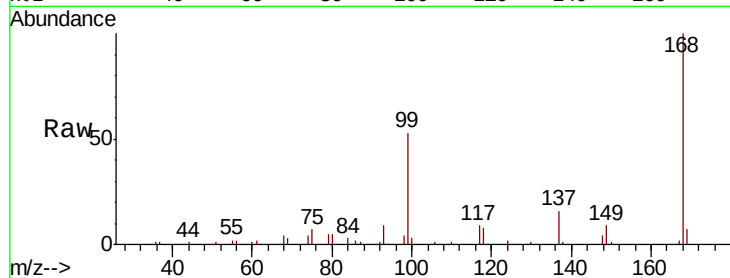
Time-->



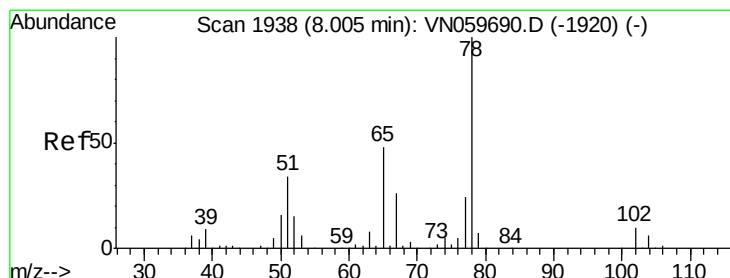
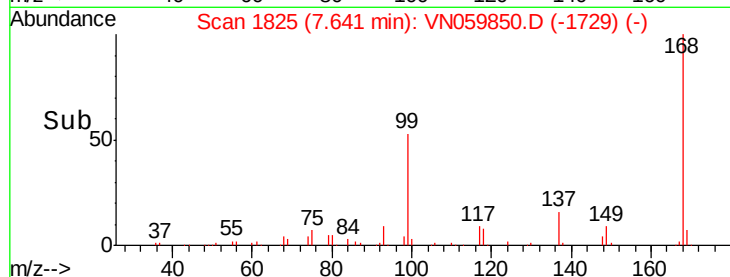
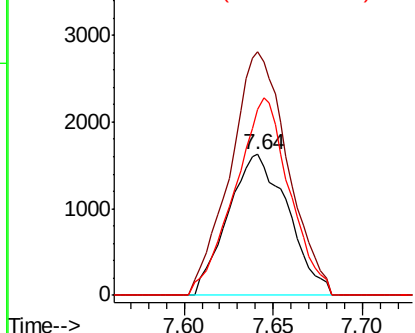
#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059850.D
Acq: 24 Jan 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3812
Ion Ratio Lower Upper
56 100
69 172.8 26.5 39.7#
84 132.5 65.3 97.9#

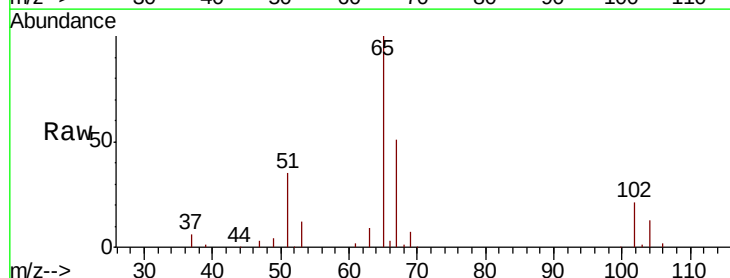


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

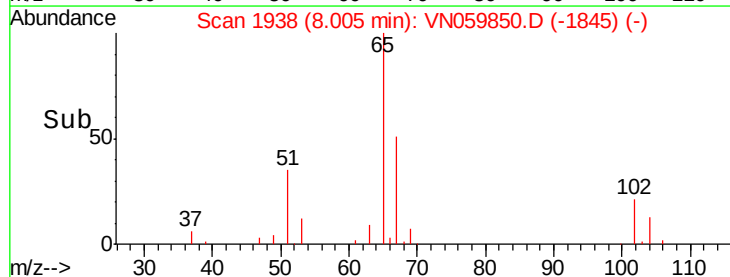
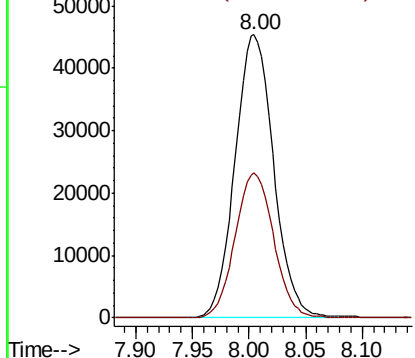


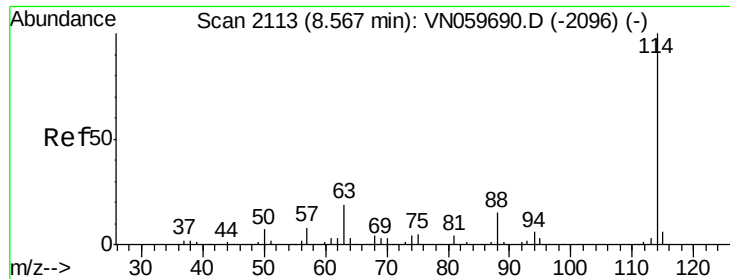
#33
1,2-Dichloroethane-d4
Concen: 47.699 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059850.D
Acq: 24 Jan 2020 17:04

Tgt Ion: 65 Resp: 107768
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0



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

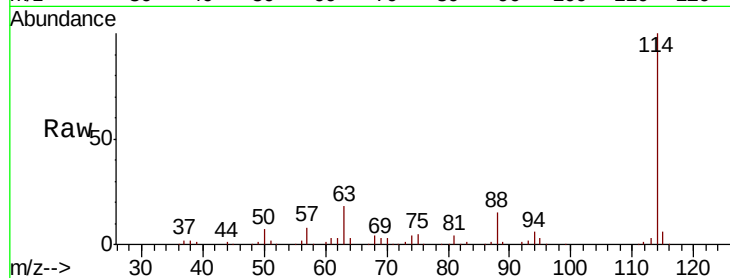




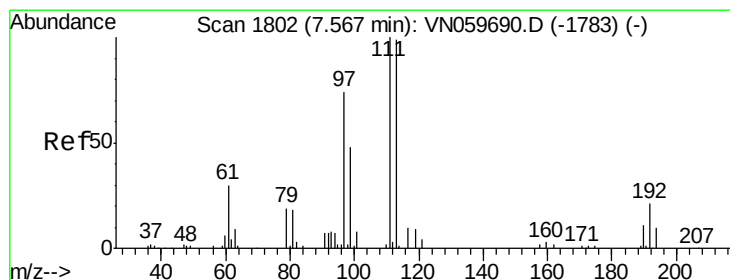
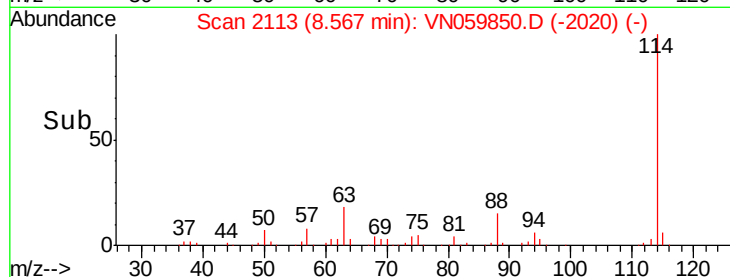
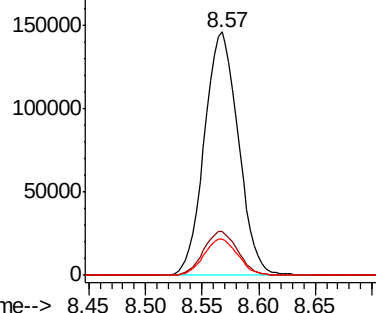
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059850.D
 Acq: 24 Jan 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 306287
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 43.6
 88 15.0 0.0 31.4

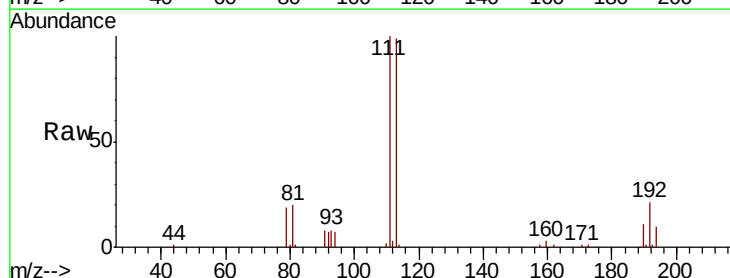


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

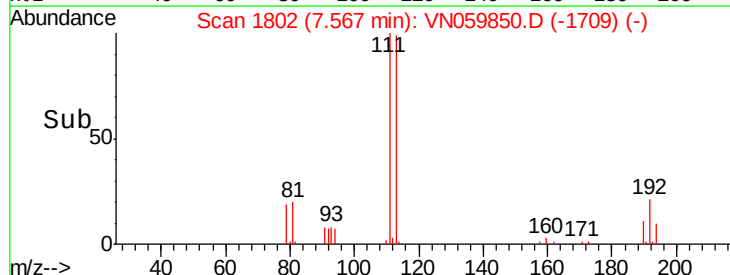
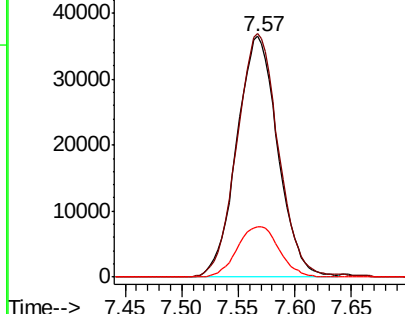


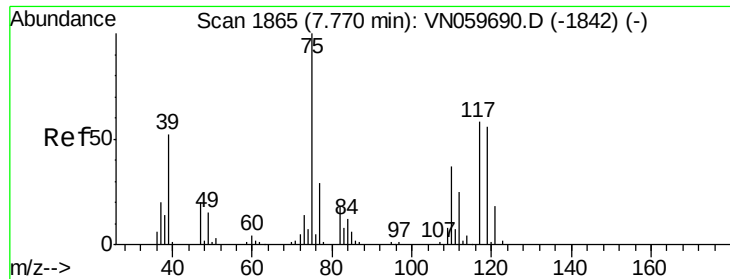
#35
 Dibromofluoromethane
 Concen: 50.525 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059850.D
 Acq: 24 Jan 2020 17:04

Tgt Ion:113 Resp: 92285
 Ion Ratio Lower Upper
 113 100
 111 102.2 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: 5.394 ug/l

RT: 7.64 min Scan# 1825

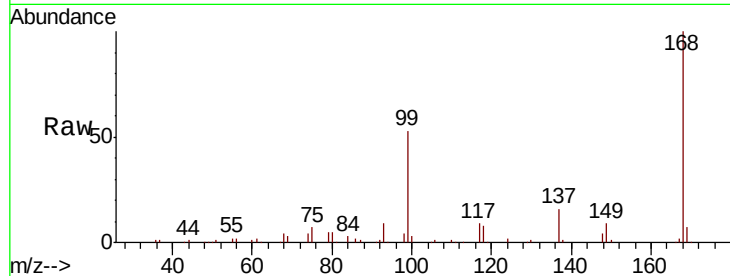
Delta R.T. -0.13 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :

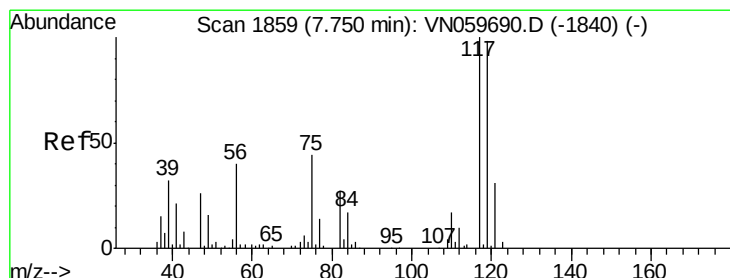
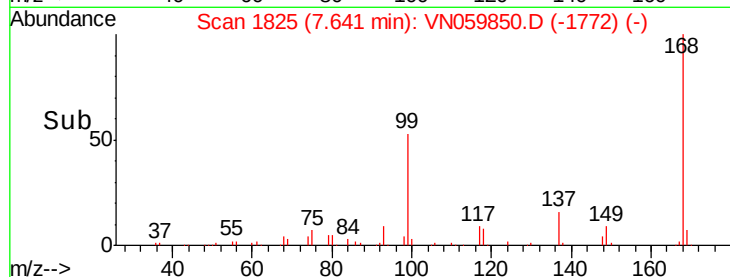
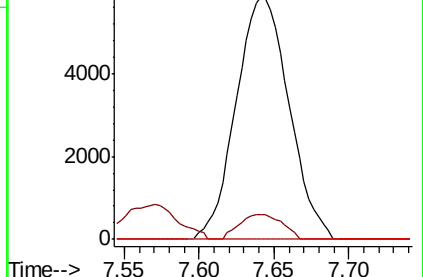
Tot Ion:	75	Resp:	14387
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.7#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN059850.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN059850.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN059850.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.406 ug/l

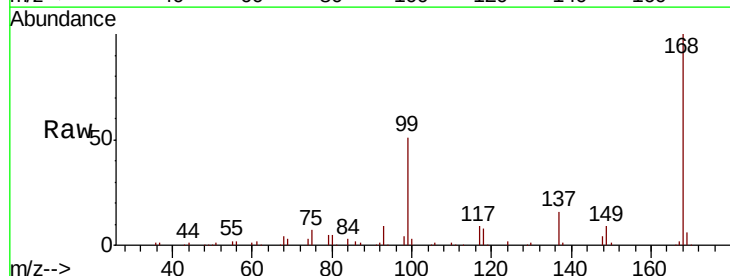
RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

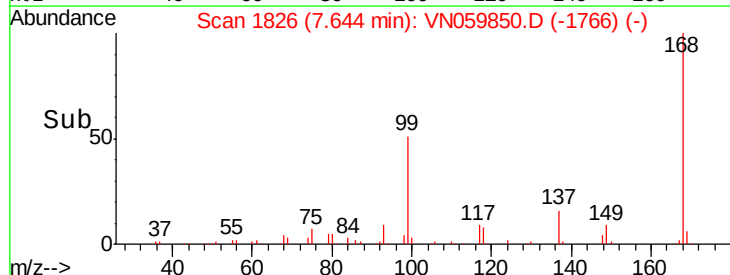
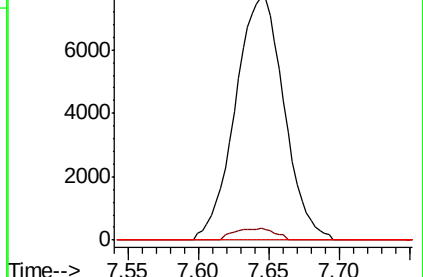
Tgt Ion:	117	Resp:	18586
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.5	114.7#
121	0.0	25.1	37.7#

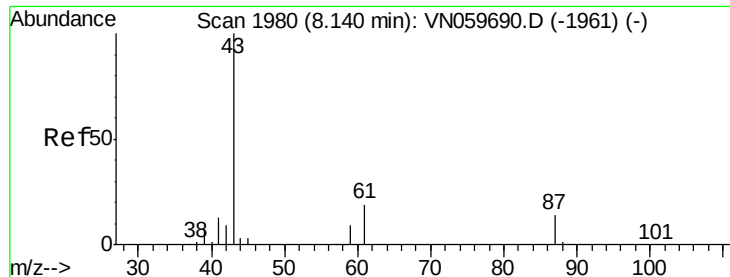


Abundance Ion 116.80 (116.50 to 117.50): VN059850.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN059850.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN059850.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 10.704 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

ClientSampled :

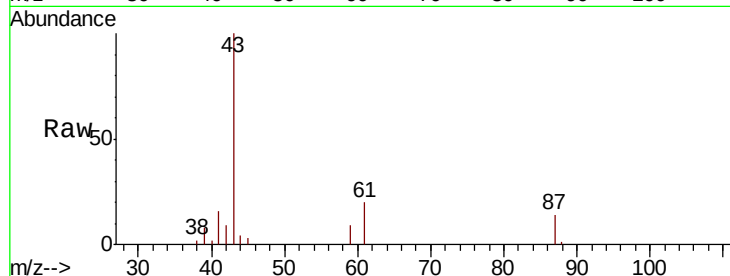
Tot Ion: 43 Resp: 46059

Ion Ratio Lower Upper

43 100

61 20.0 20.2 30.2#

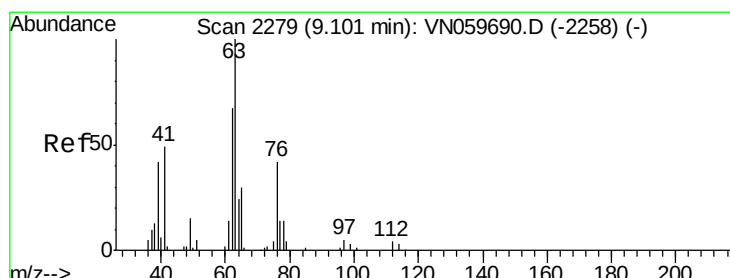
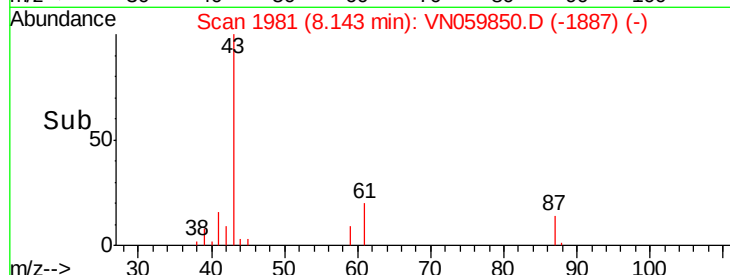
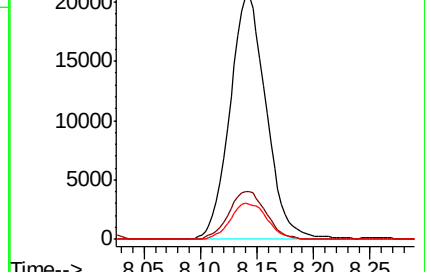
87 15.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059850.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059850.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059850.D (-1987) (-)



#45

1,2-Dichloropropane

Concen: 0.462 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059850.D

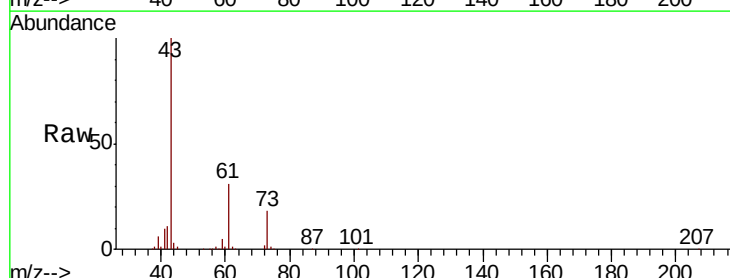
Acq: 24 Jan 2020 17:04

Tgt Ion: 63 Resp: 910

Ion Ratio Lower Upper

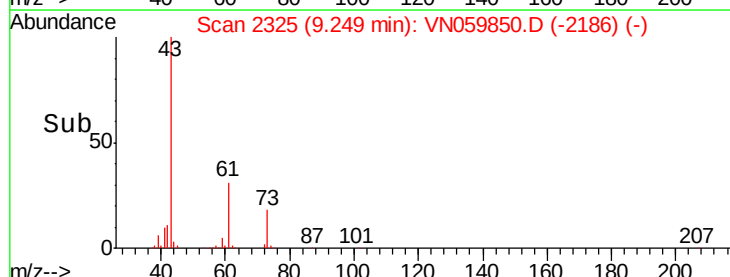
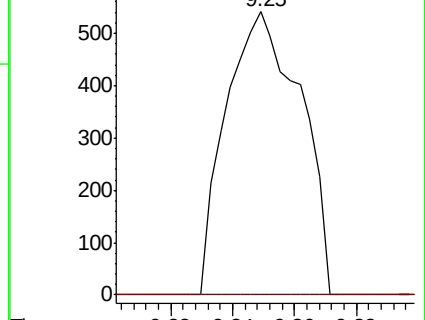
63 100

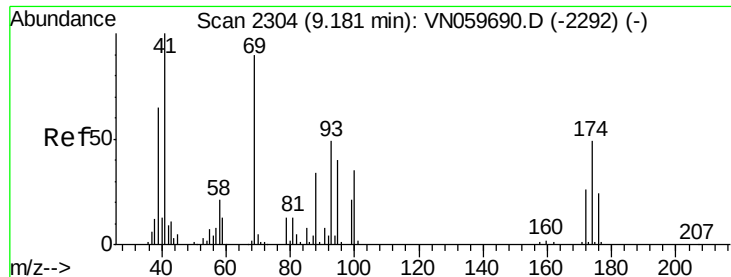
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059850.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059850.D (-2186) (-)

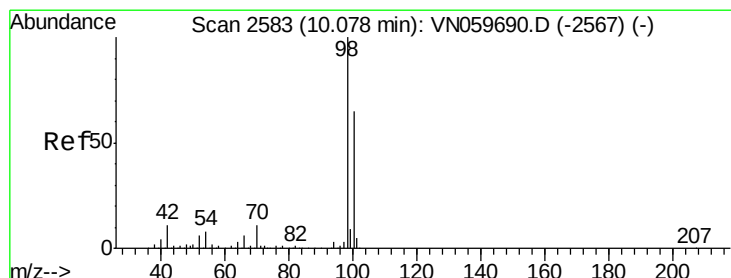
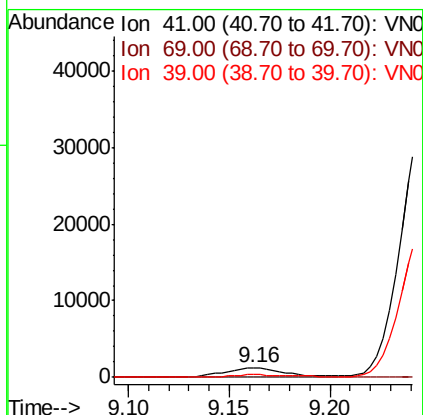
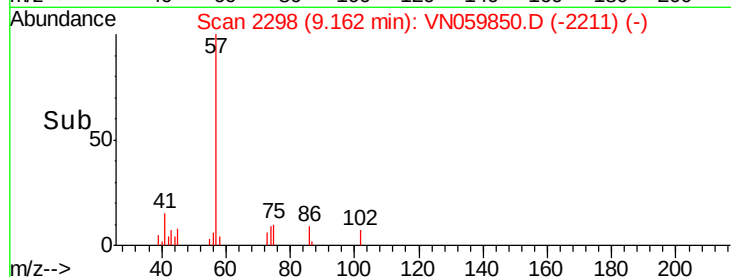
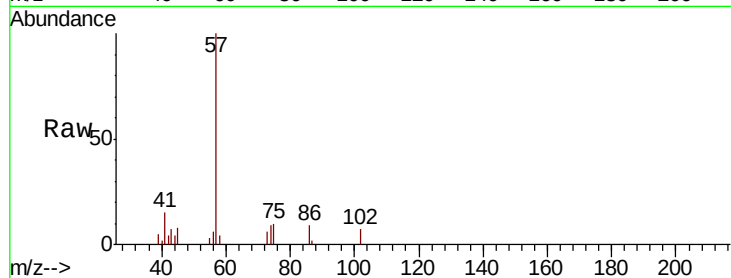




#48
Methvl methacrylate
Concen: 1.357 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059850.D
Acq: 24 Jan 2020 17:04

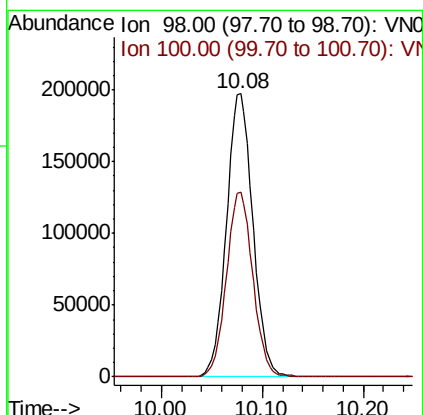
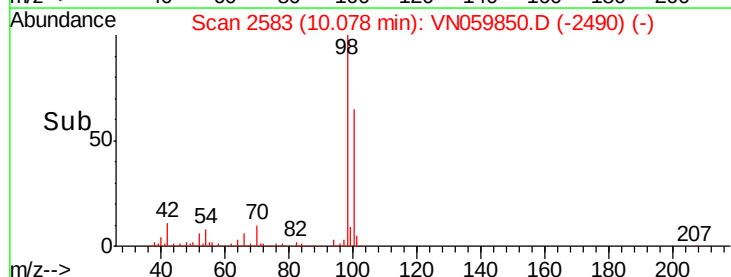
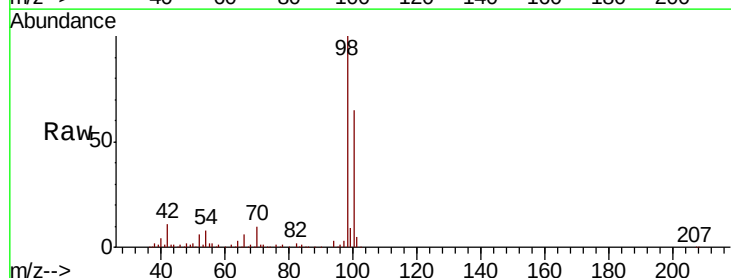
Instrument :
MSVOA_N
ClientSampled :

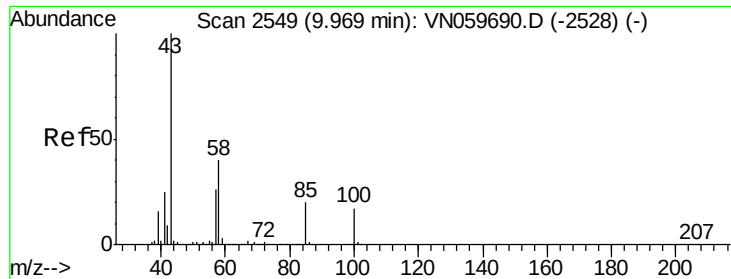
Tot Ion: 41 Resp: 2612
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.006 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059850.D
Acq: 24 Jan 2020 17:04

Tgt Ion: 98 Resp: 360963
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8

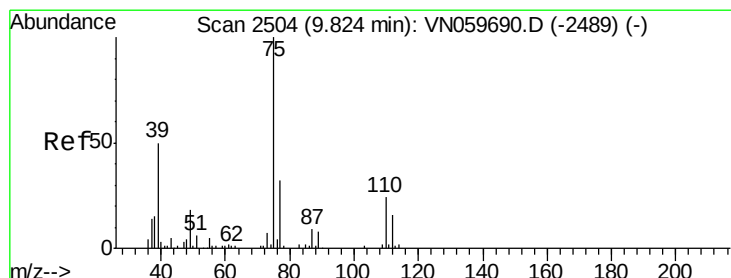
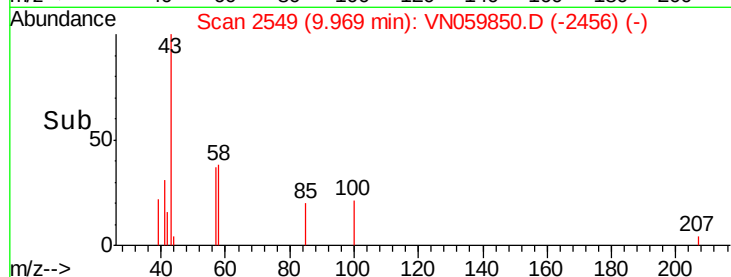
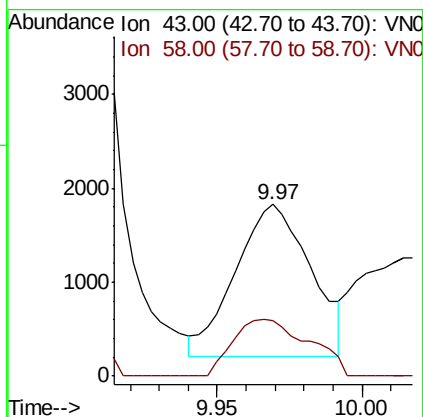
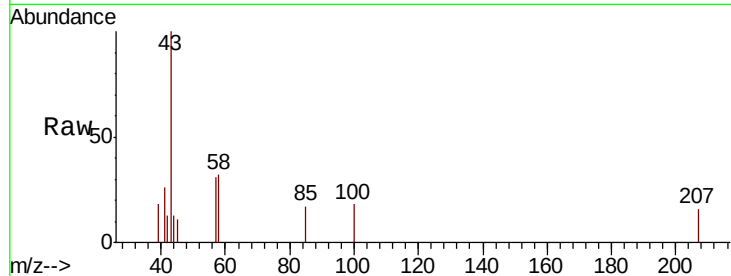




#51
4-Methyl-2-Pentanone
Concen: 1.175 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059850.D
Acq: 24 Jan 2020 17:04

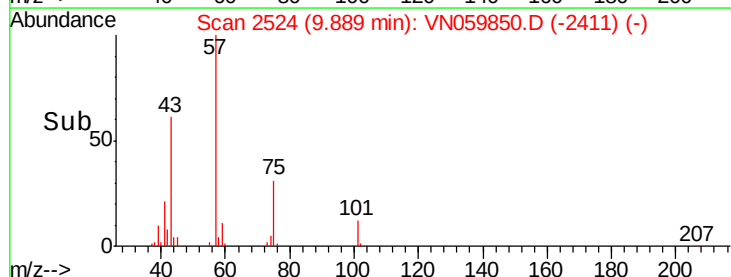
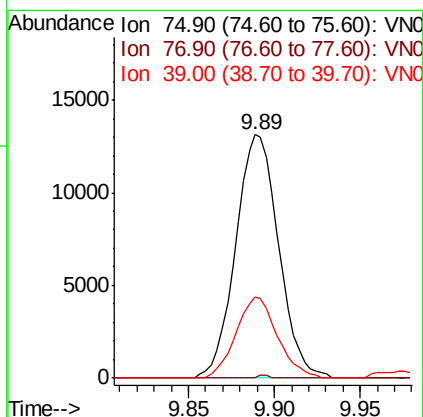
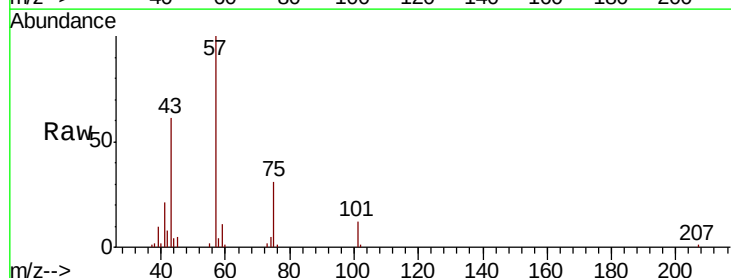
Instrument :
MSVOA_N
ClientSampled :

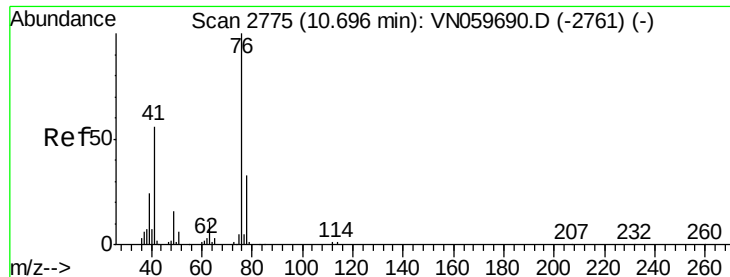
Tot Ion: 43 Resp: 2923
Ion Ratio Lower Upper
43 100
58 37.7 29.8 44.8



#54
cis-1,3-Dichloropropene
Concen: 6.924 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN059850.D
Acq: 24 Jan 2020 17:04

Tgt Ion: 75 Resp: 22762
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 33.3 46.1 69.1#

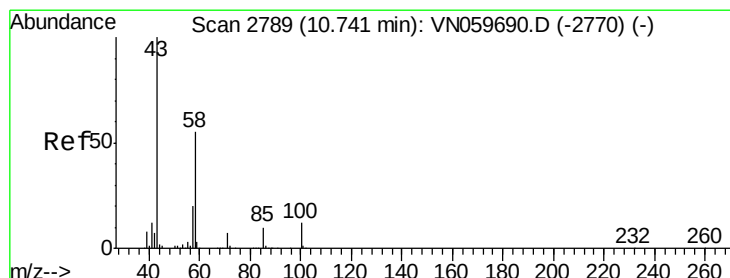
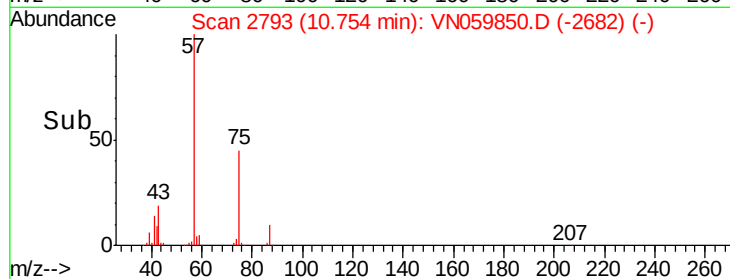
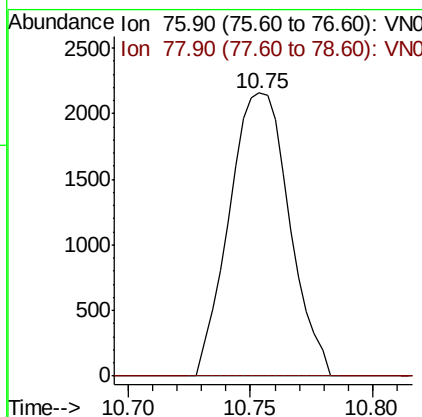
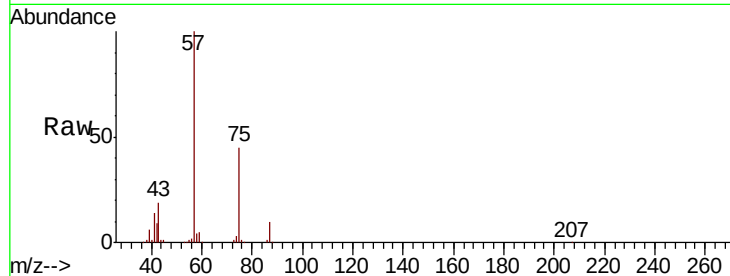




#57
 1,3-Dichloropropane
 Concen: 1.169 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059850.D
 Acq: 24 Jan 2020 17:04

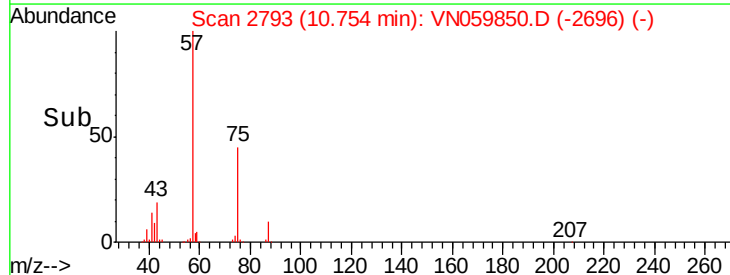
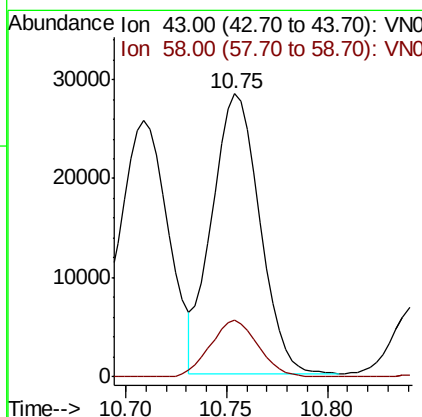
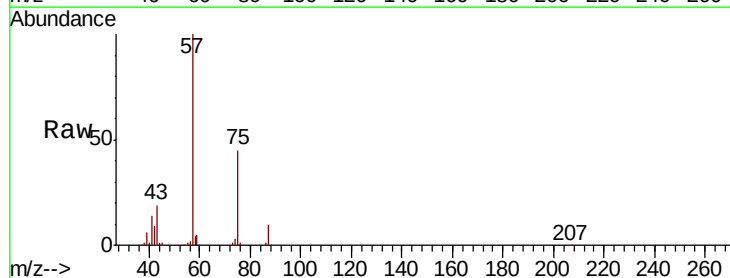
Instrument :
 MSVOA_N
 ClientSampleId :

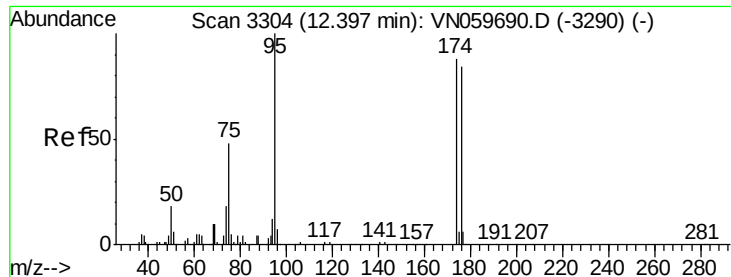
Tot Ion: 76 Resp: 3693
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 25.347 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059850.D
 Acq: 24 Jan 2020 17:04

Tgt Ion: 43 Resp: 46447
 Ion Ratio Lower Upper
 43 100
 58 20.2 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 45.849 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

ClientSampled :

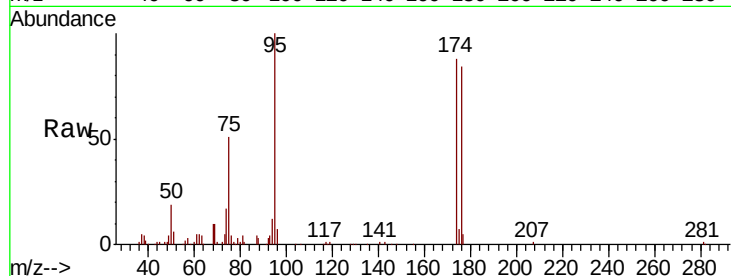
Tot Ion: 95 Resp: 116969

Ion Ratio Lower Upper

95 100

174 89.4 0.0 151.4

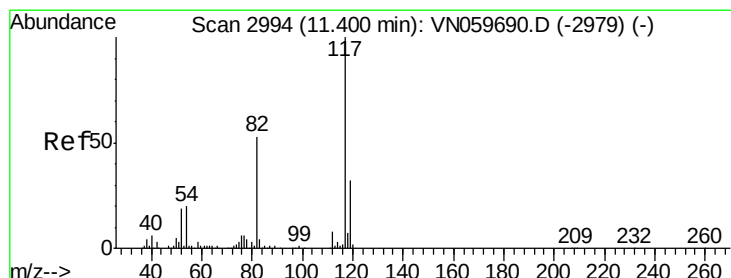
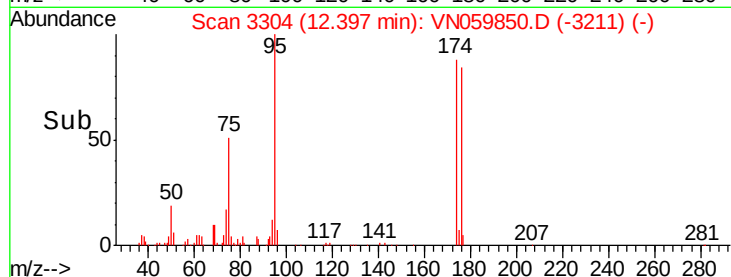
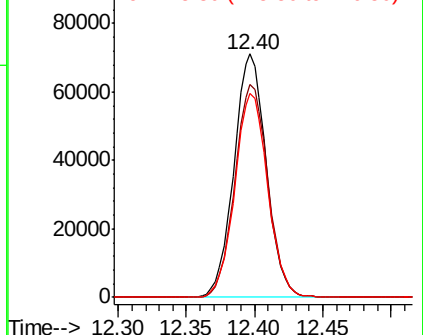
176 85.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059850.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059850.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059850.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

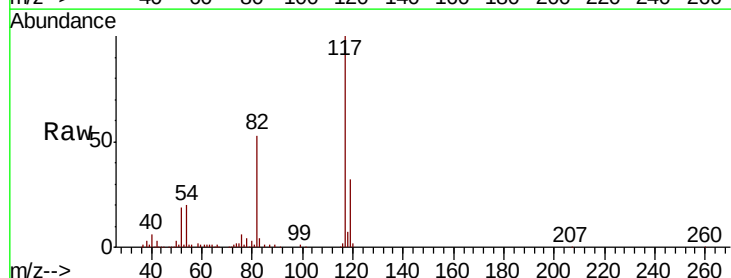
Tgt Ion: 117 Resp: 266823

Ion Ratio Lower Upper

117 100

82 52.8 45.9 68.9

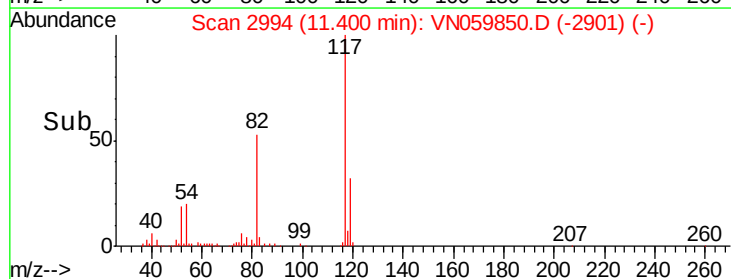
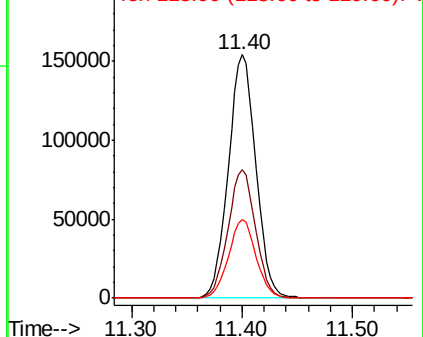
119 32.2 25.5 38.3

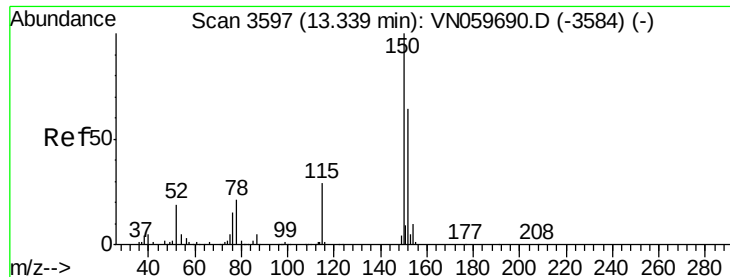


Abundance Ion 116.90 (116.60 to 117.60): VN059850.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059850.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059850.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

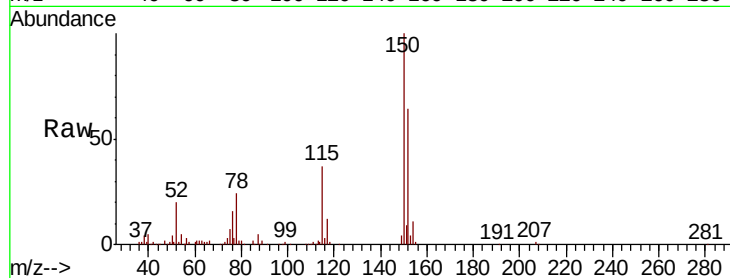
Tot Ion:152 Resp: 108452

Ion Ratio Lower Upper

152 100

115 57.2 30.3 90.9

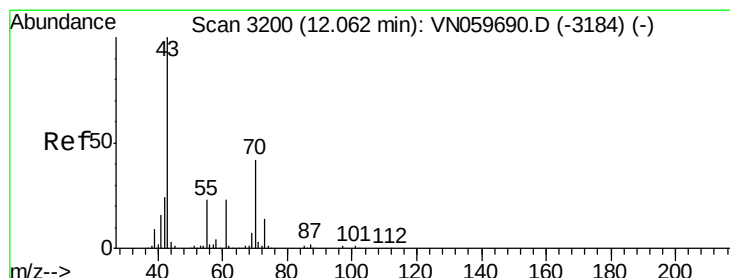
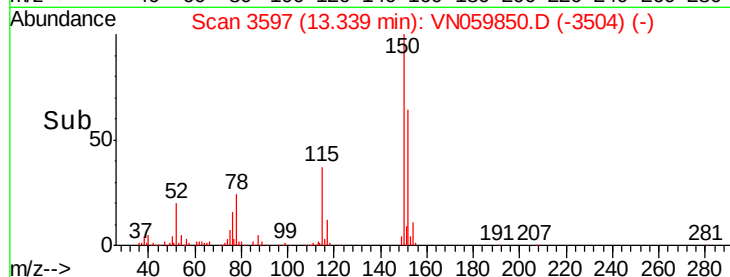
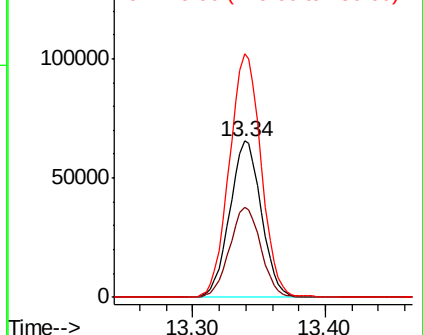
150 156.8 0.0 345.2



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: 0.480 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Tgt Ion: 43 Resp: 1480

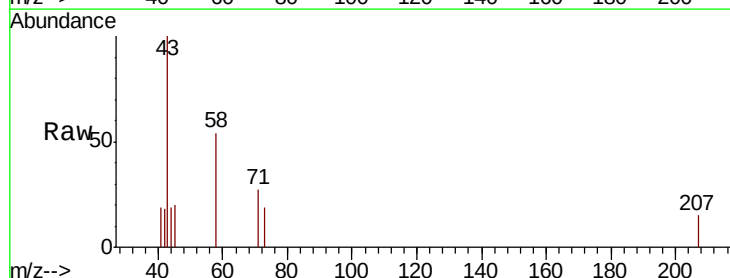
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

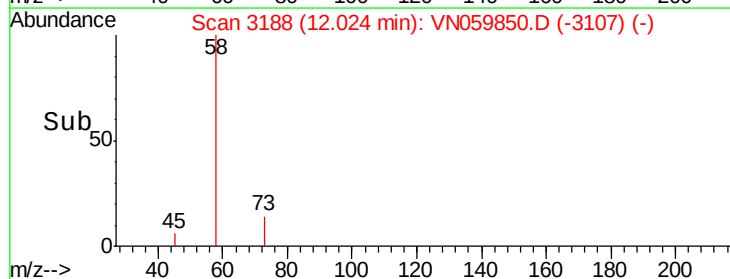
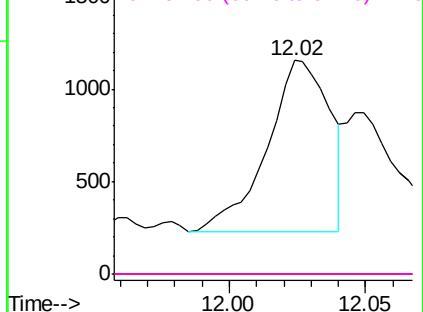


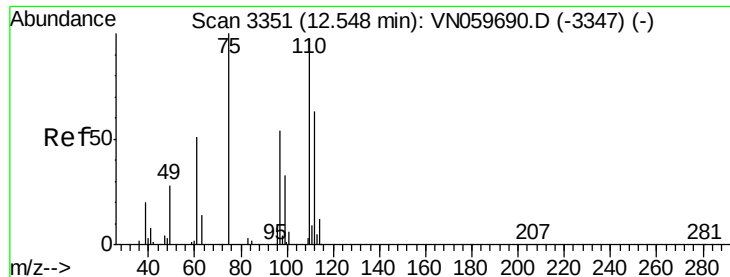
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 32.512 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

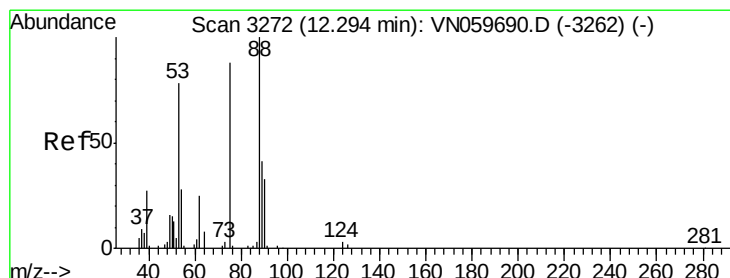
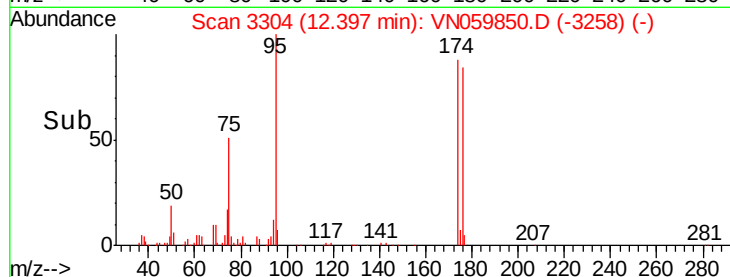
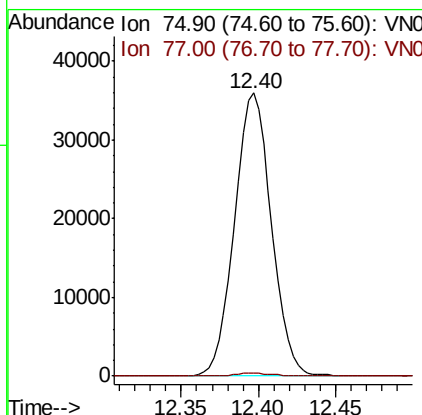
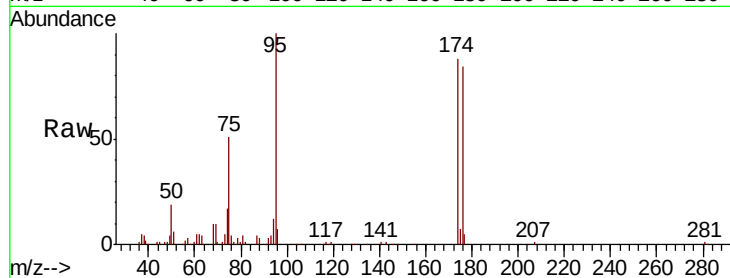
ClientSampleId :

Tot Ion: 75 Resp: 59339

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.820 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

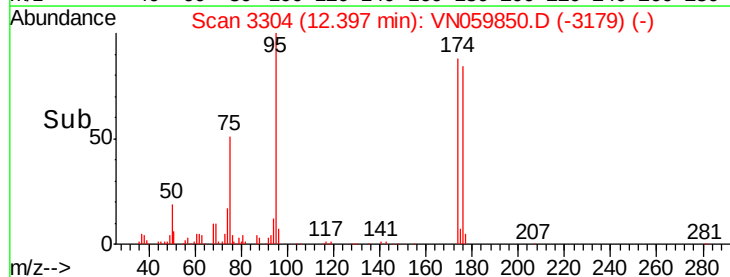
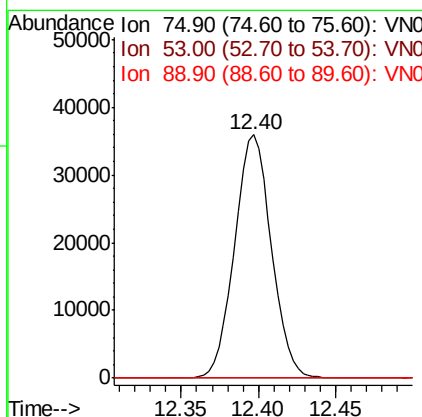
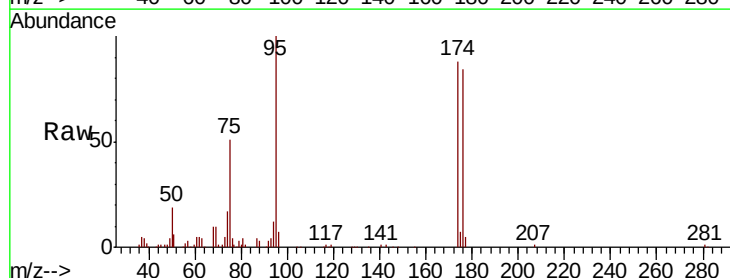
Tgt Ion: 75 Resp: 59339

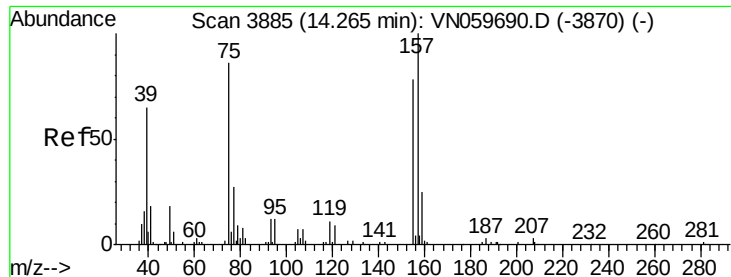
Ion Ratio Lower Upper

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: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN059850.D

Acq: 24 Jan 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

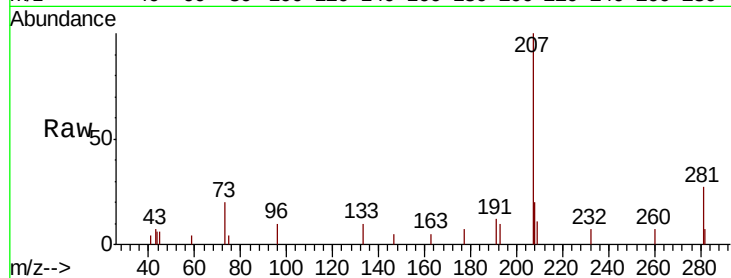
Tot Ion: 75 Resp: 60

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): VN059850.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059850.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059850.D (-3791) (-)

