

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059841.D
 Acq On : 24 Jan 2020 13:33
 Operator : JC/MD
 Sample : L1007-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:27:34 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	204560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116536	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	107680	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.57	113	91322	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	10.08	98	363642	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	122575	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	

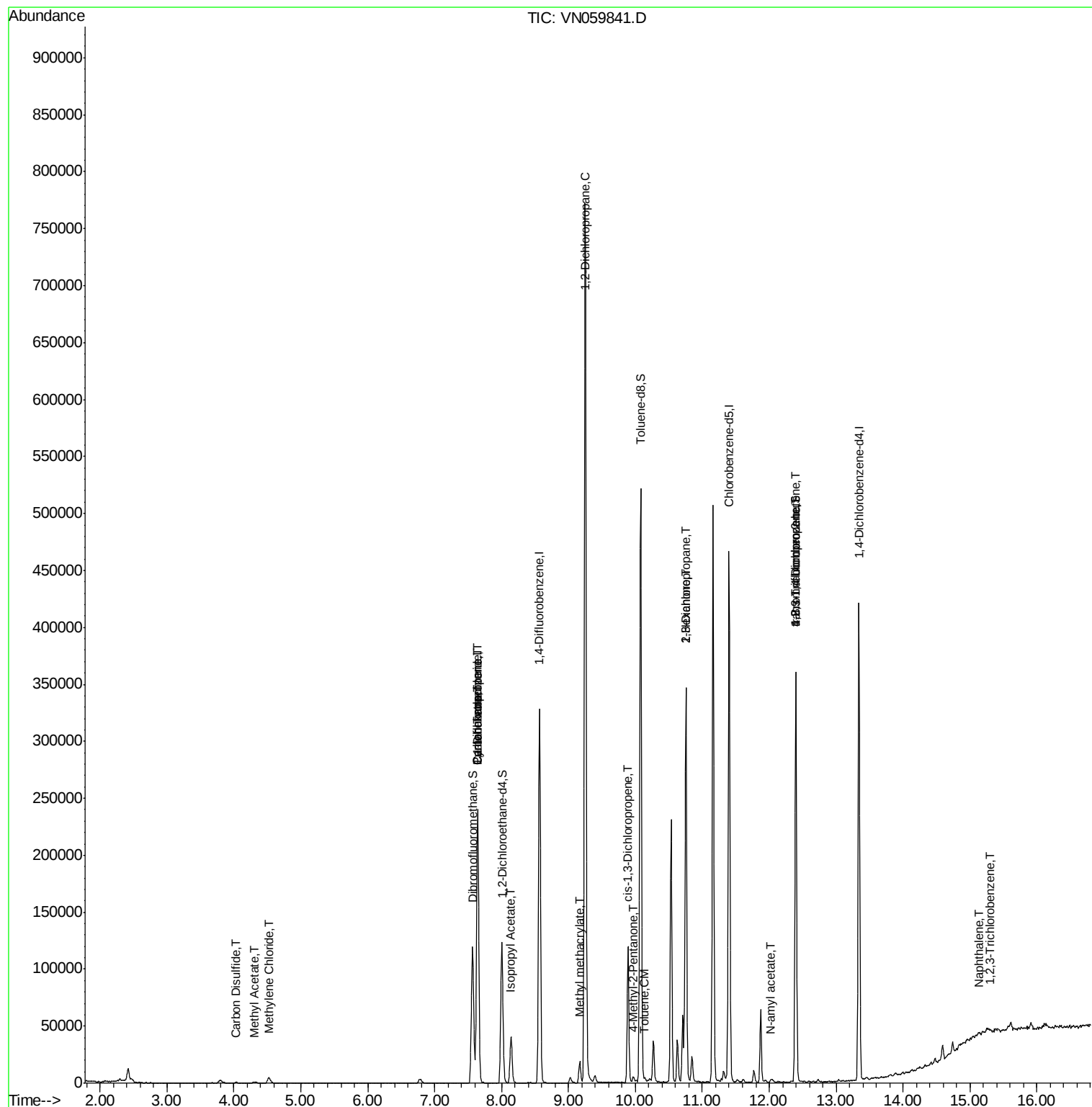
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	5230	Below Cal	#	88
17) Carbon Disulfide	4.03	76	1195	0.224	ug/l #	75
18) Methyl Acetate	4.31	43	1580	0.595	ug/l #	67
20) Methylene Chloride	4.52	84	4171	0.755	ug/l #	77
31) Cyclohexane	7.64	56	3831	1.140	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	13972	5.213	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18625	6.388	ug/l #	16
43) Isopropyl Acetate	8.14	43	47480	10.981	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	993	0.502	ug/l #	44
48) Methyl methacrylate	9.16	41	2511	1.298	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3985	1.594	ug/l	92
52) Toluene	10.14	92	1544	0.306	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	23295	7.052	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3895	1.227	ug/l #	42
59) 2-Hexanone	10.75	43	48140	26.144	ug/l #	55
74) N-amyl acetate	12.02	43	3385	1.021	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62129	31.679	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62129	68.032	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	96	Below Cal	#	6
95) Naphthalene	15.13	128	2673	0.421	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	570	0.262	ug/l #	56

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012420\
Data File : VN059841.D
Acq On : 24 Jan 2020 13:33
Operator : JC/MD
Sample : L1007-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 25 00:27:34 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: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

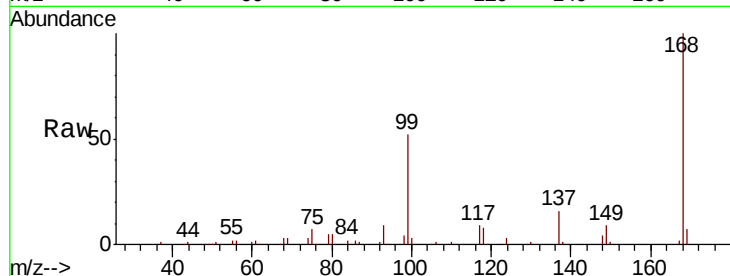
ClientSampled :

Tot Ion:168 Resp: 204560

Ion Ratio Lower Upper

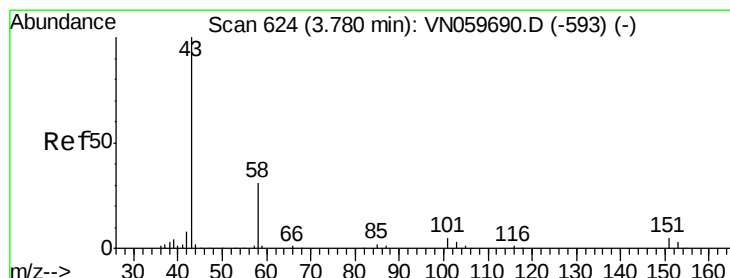
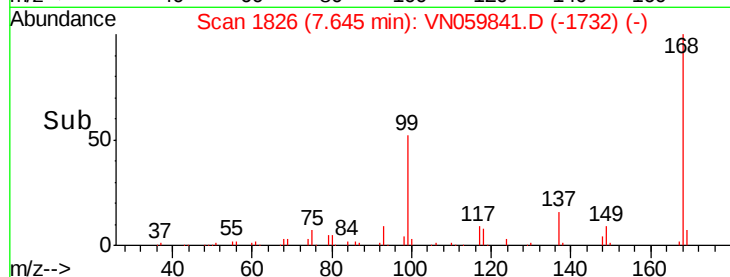
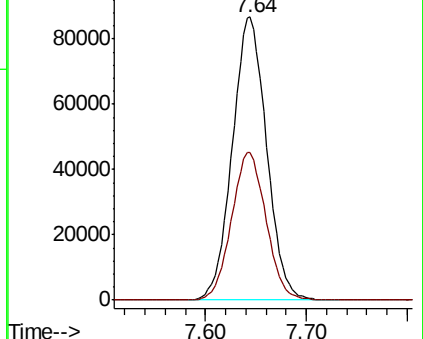
168 100

99 52.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059841.D

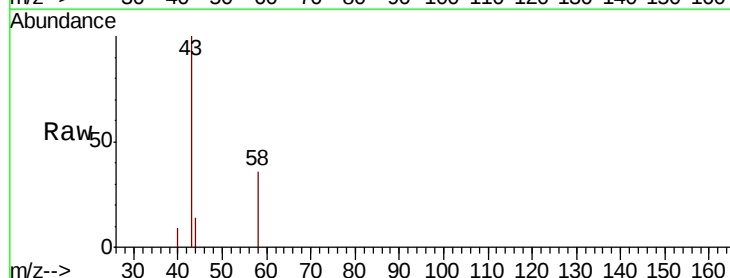
Acq: 24 Jan 2020 13:33

Tgt Ion: 43 Resp: 5230

Ion Ratio Lower Upper

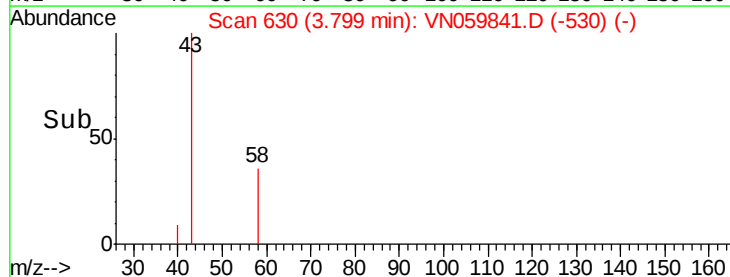
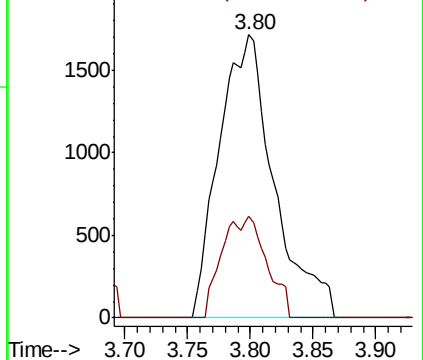
43 100

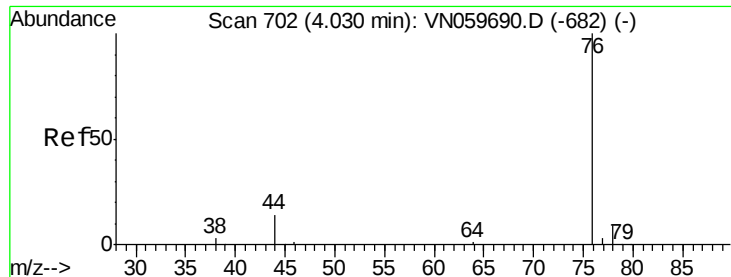
58 36.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

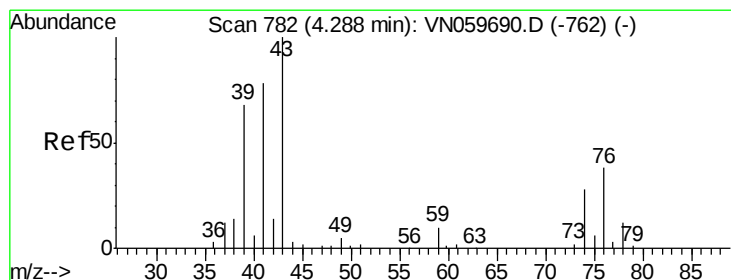
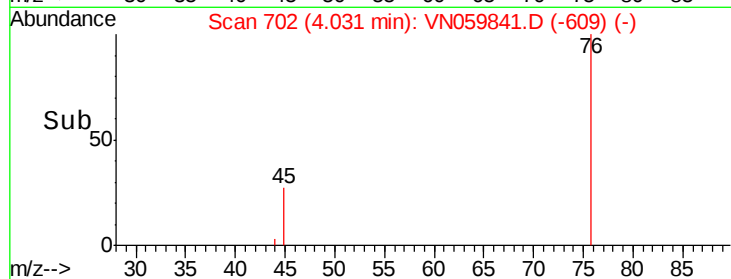
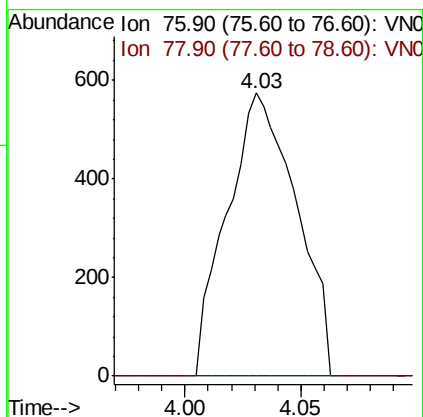
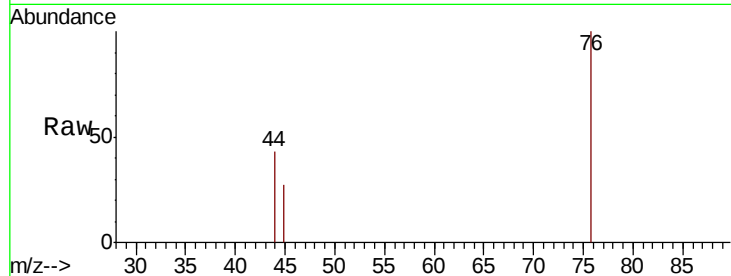




#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059841.D
Acq: 24 Jan 2020 13:33

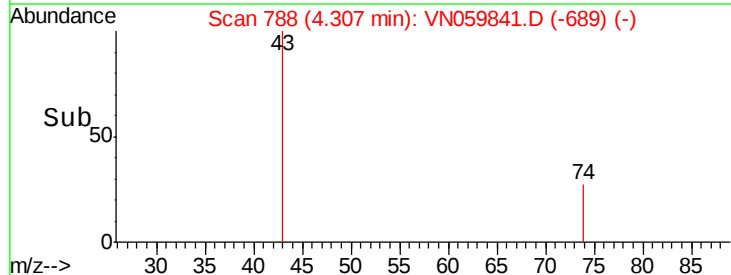
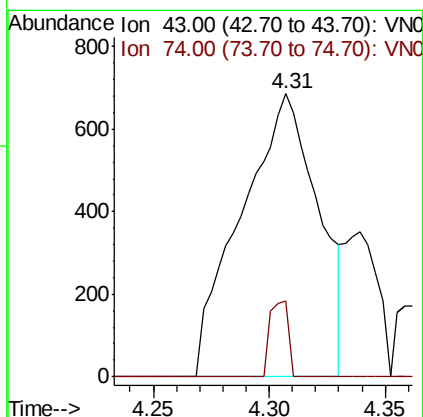
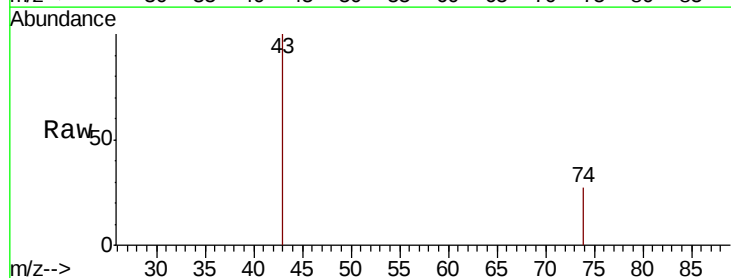
Instrument :
MSVOA_N
ClientSampleId :

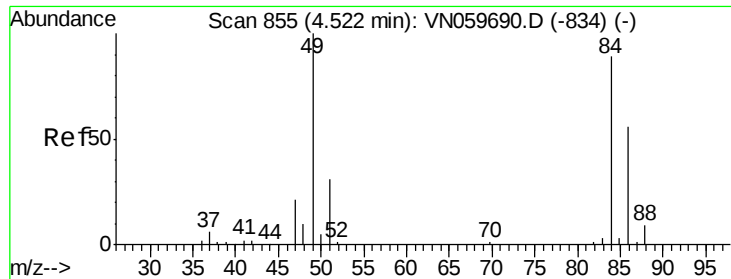
Tot Ion: 76 Resp: 1195
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.595 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059841.D
Acq: 24 Jan 2020 13:33

Tgt Ion: 43 Resp: 1580
Ion Ratio Lower Upper
43 100
74 6.4 17.5 26.3#

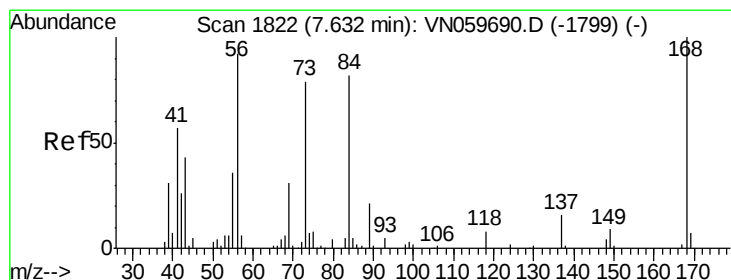
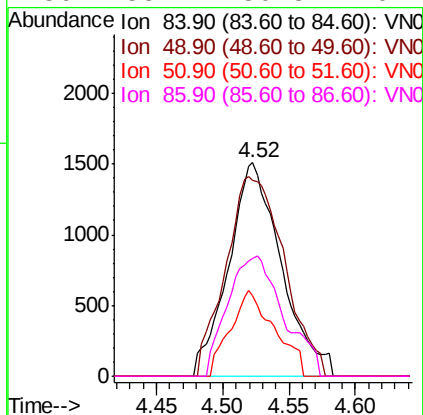
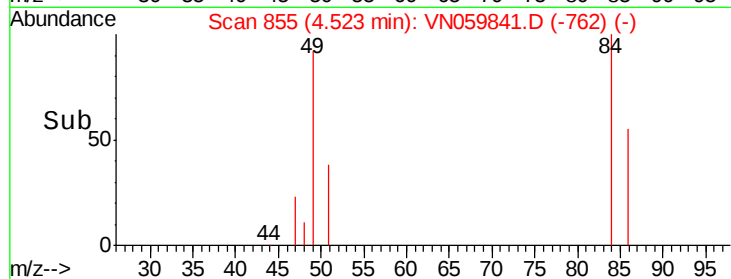
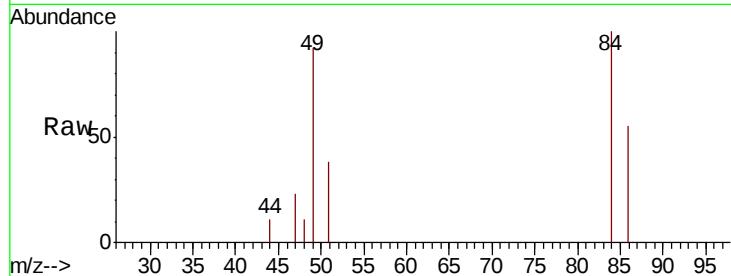




#20
Methvlene Chloride
Concen: 0.755 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059841.D
Acq: 24 Jan 2020 13:33

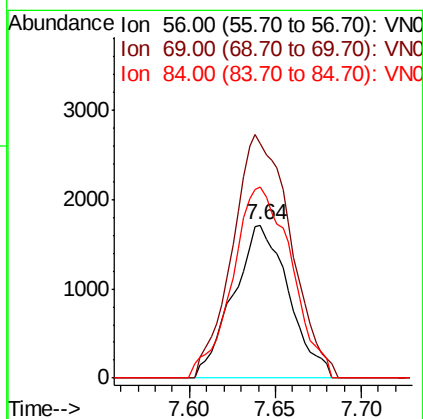
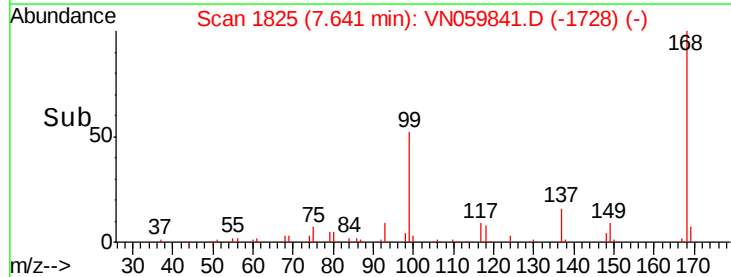
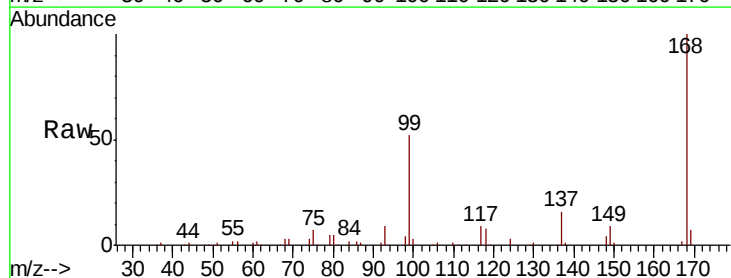
Instrument :
MSVOA_N
ClientSampleId :

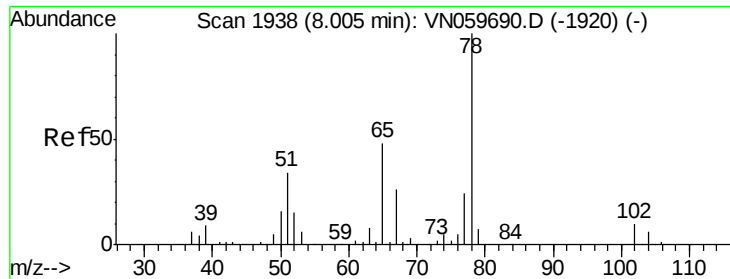
Tot Ion: 84 Resp: 4171
Ion Ratio Lower Upper
84 100
49 91.5 106.6 160.0#
51 37.9 31.9 47.9
86 55.4 50.8 76.2



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059841.D
Acq: 24 Jan 2020 13:33

Tgt Ion: 56 Resp: 3831
Ion Ratio Lower Upper
56 100
69 153.8 26.5 39.7#
84 124.8 65.3 97.9#

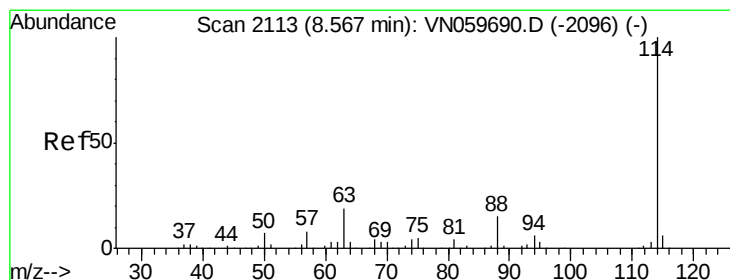
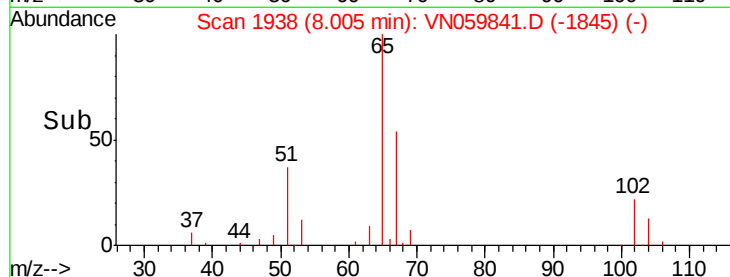
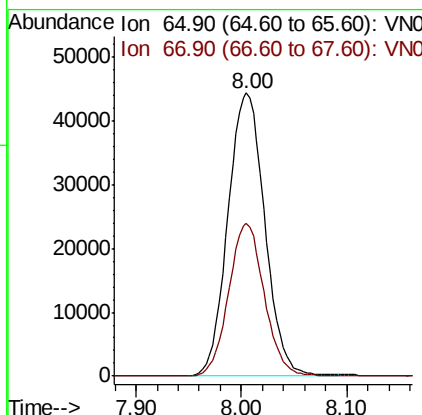
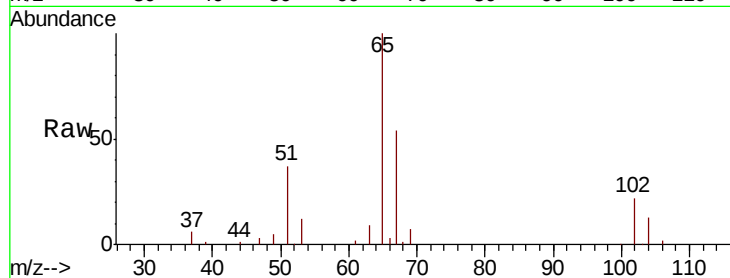




#33
 1,2-Dichloroethane-d4
 Concen: 47.401 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

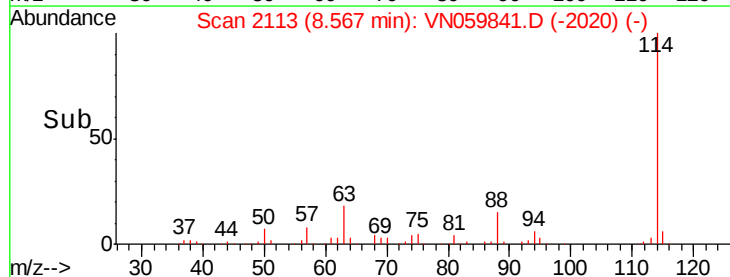
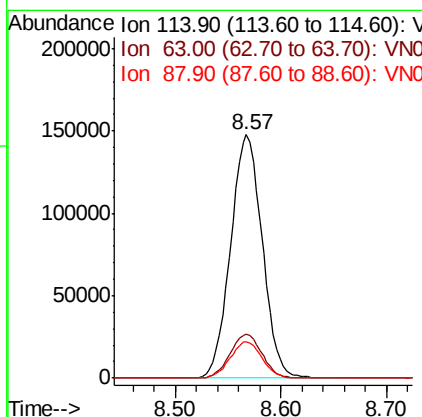
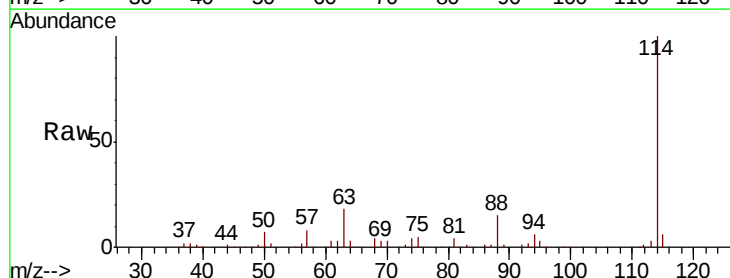
Instrument :
 MSVOA_N
 ClientSampleId :

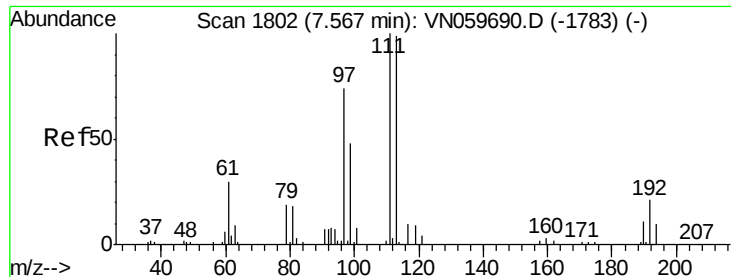
Tot Ion: 65 Resp: 107680
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

Tgt Ion: 114 Resp: 307762
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 15.0 0.0 31.4

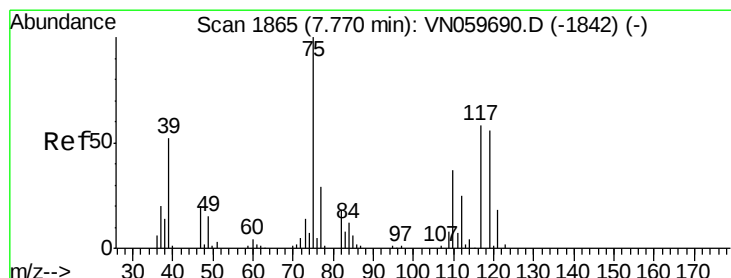
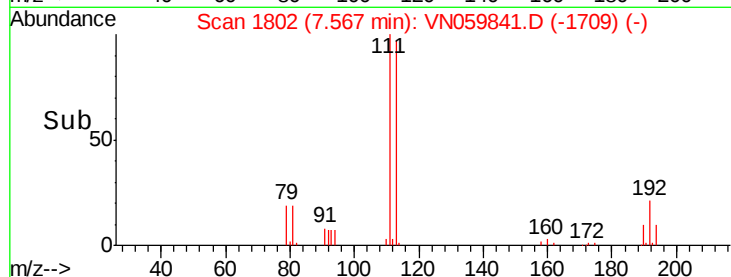
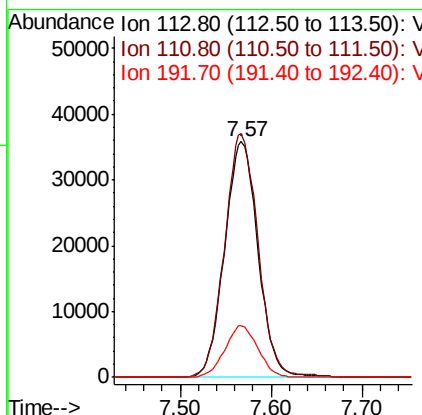
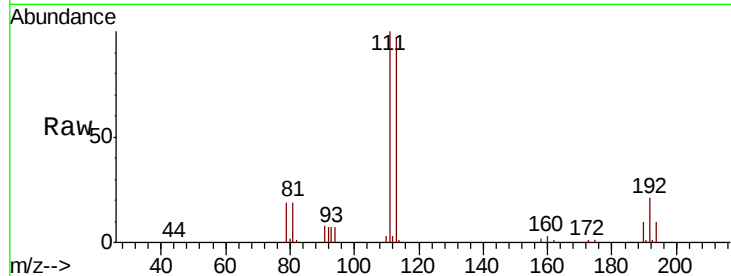




#35
 Dibromofluoromethane
 Concen: 49.758 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

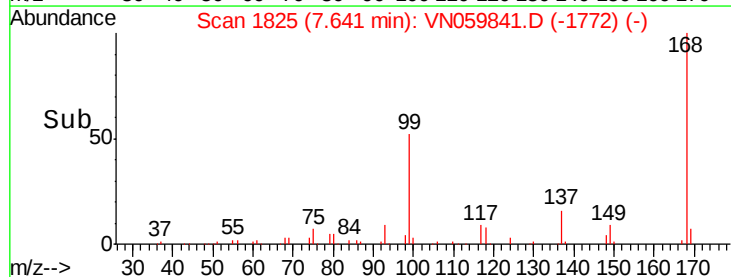
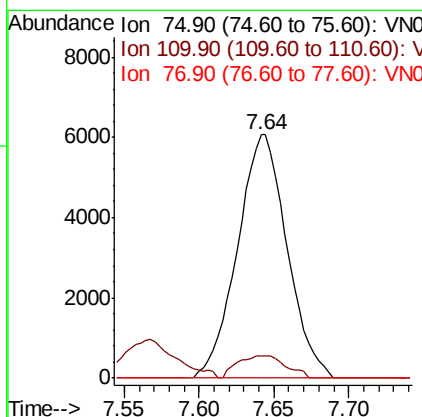
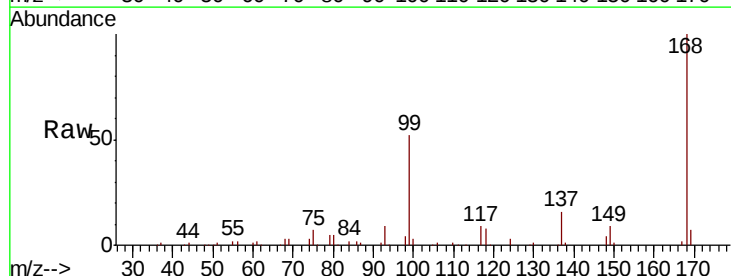
Instrument :
 MSVOA_N
 ClientSampleId :

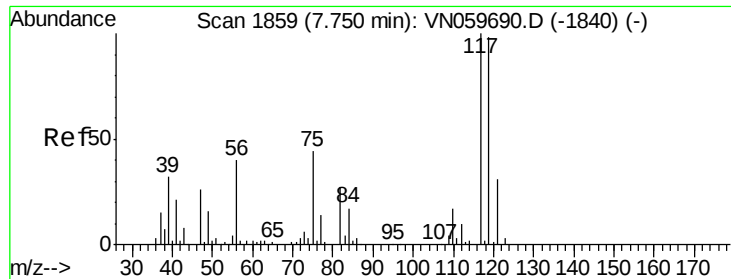
Tot Ion:113 Resp: 91322
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.5 125.3
 192 21.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.213 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

Tgt Ion: 75 Resp: 13972
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.388 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

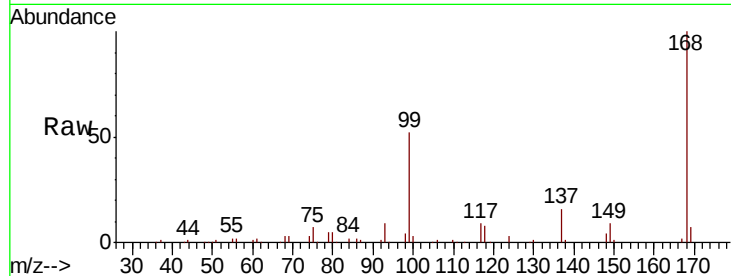
Tot Ion:117 Resp: 18625

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

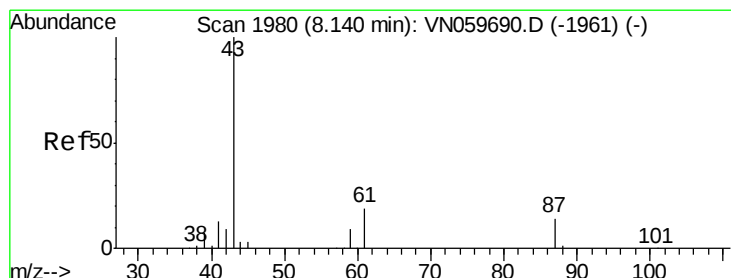
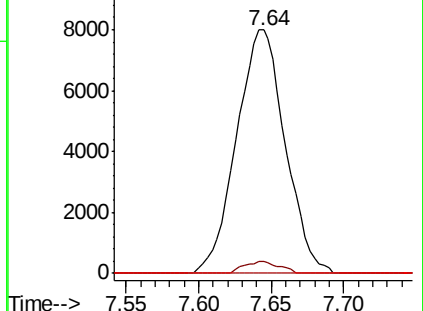
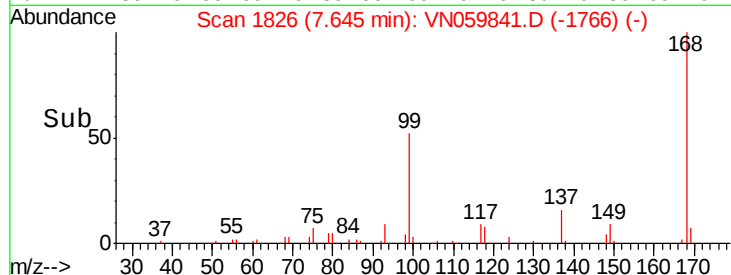
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.981 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

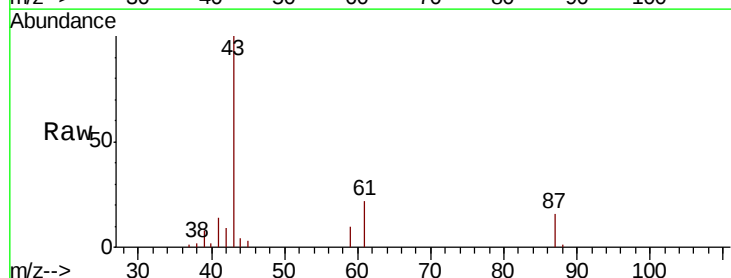
Tgt Ion: 43 Resp: 47480

Ion Ratio Lower Upper

43 100

61 20.4 20.2 30.2

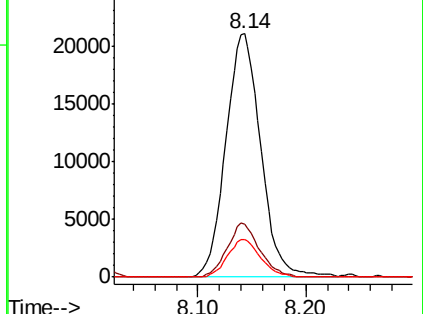
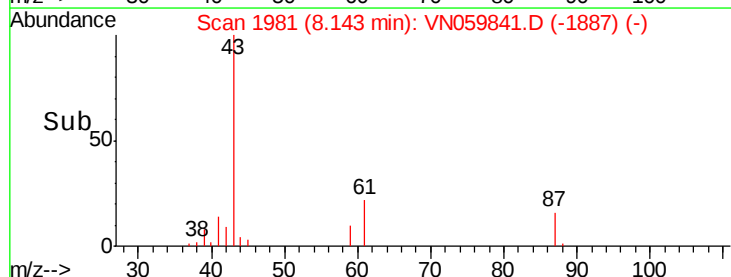
87 14.5 9.5 14.3#

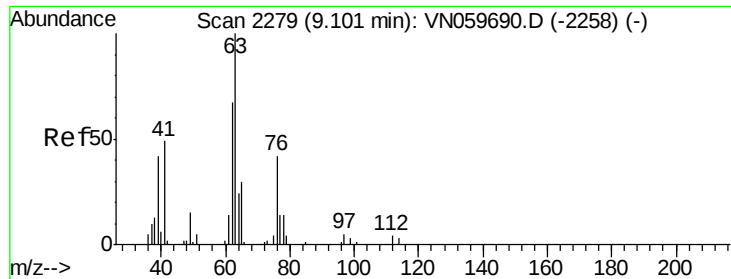


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.502 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

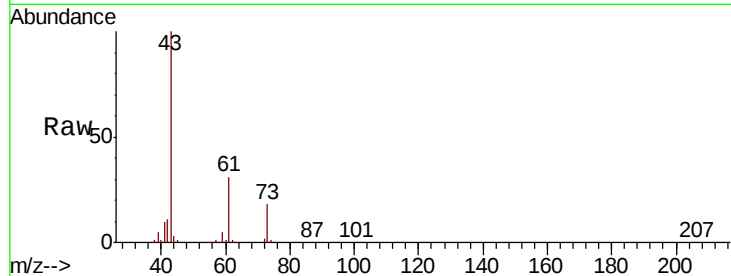
ClientSampleId :

Tot Ion: 63 Resp: 993

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.26

500

400

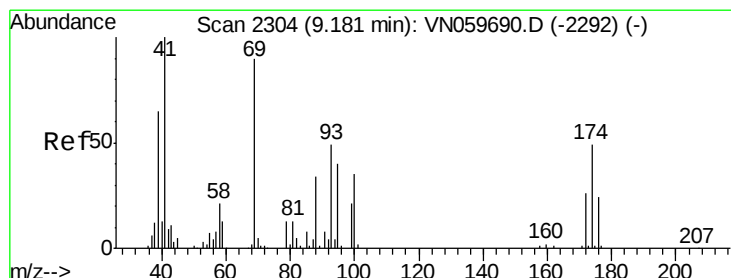
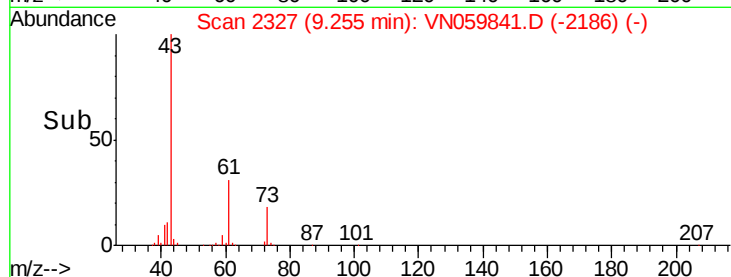
300

200

100

0

Time--> 9.20 9.25



#48

Methyl methacrylate

Concen: 1.298 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

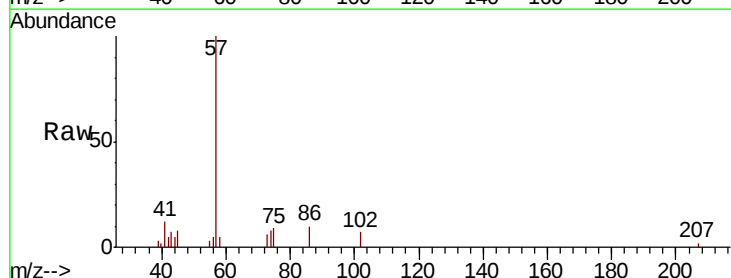
Tgt Ion: 41 Resp: 2511

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

25000

20000

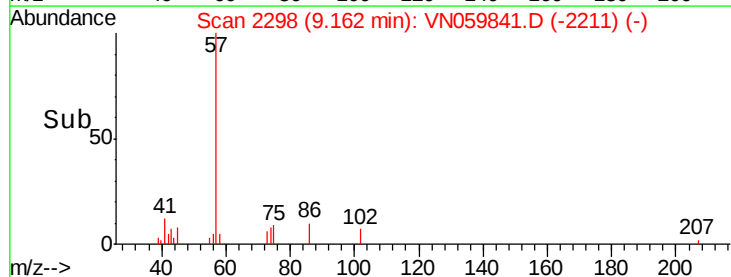
15000

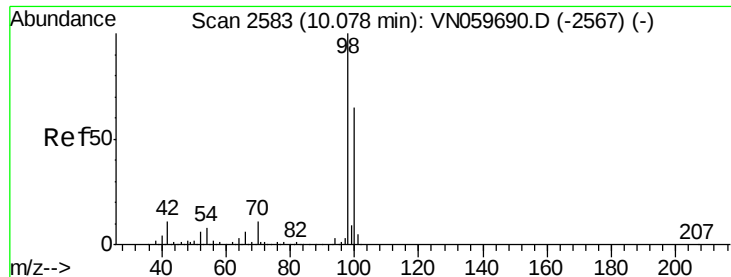
10000

5000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 51.138 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

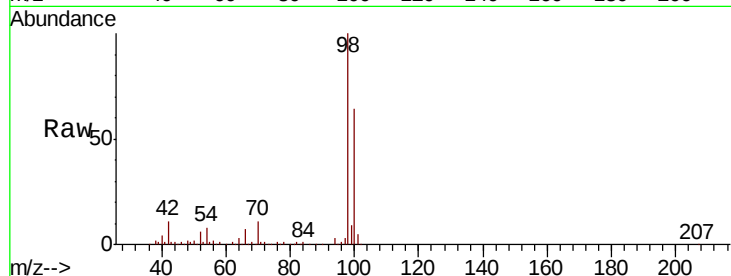
ClientSampled :

Tot Ion: 98 Resp: 363642

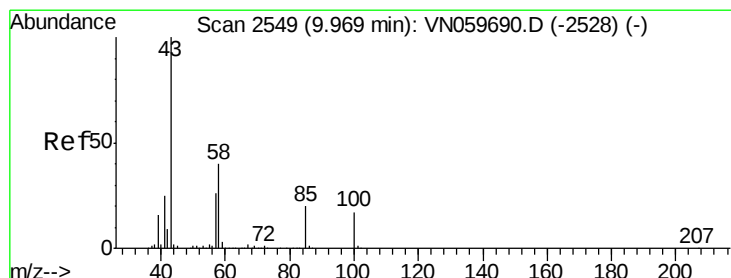
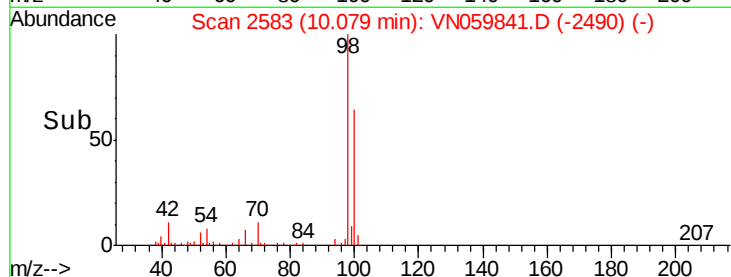
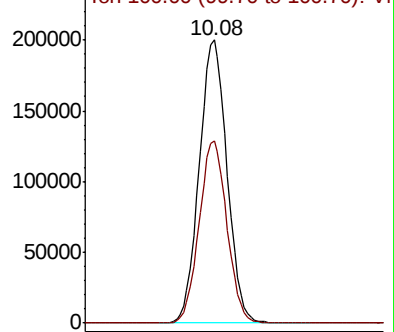
Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059841.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.594 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059841.D

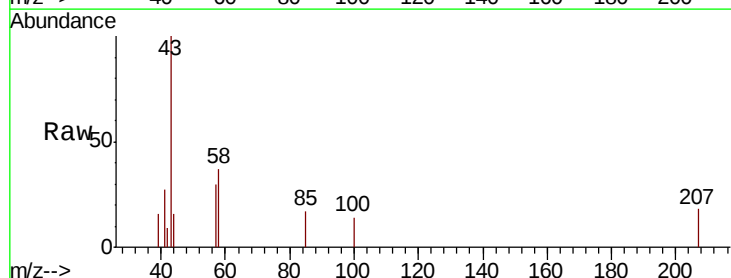
Acq: 24 Jan 2020 13:33

Tgt Ion: 43 Resp: 3985

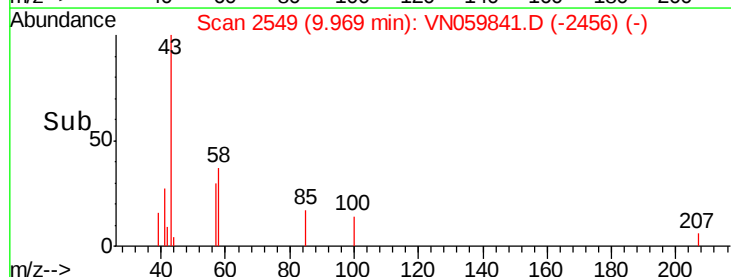
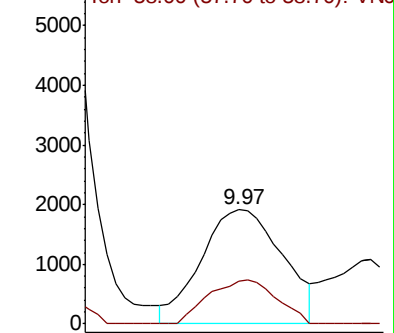
Ion Ratio Lower Upper

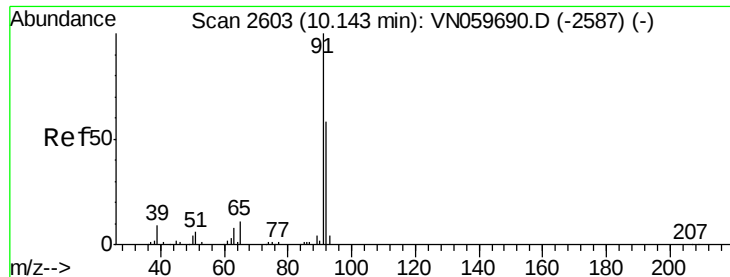
43 100

58 32.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059841.D (-2456) (-)





#52

Toluene

Concen: 0.306 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

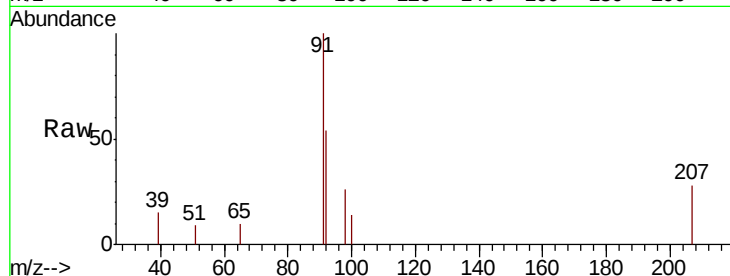
ClientSampled :

Tot Ion: 92 Resp: 1544

Ion Ratio Lower Upper

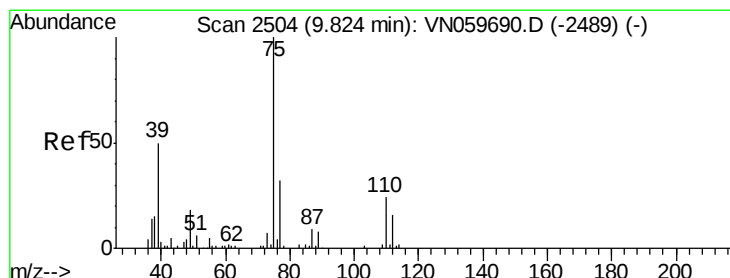
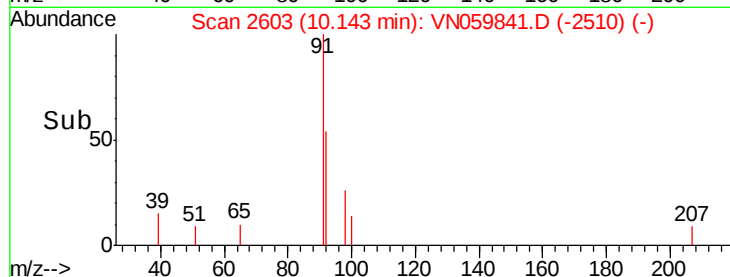
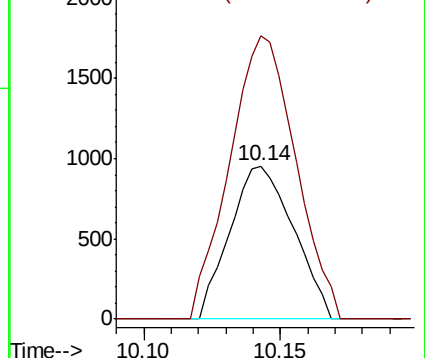
92 100

91 191.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.052 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

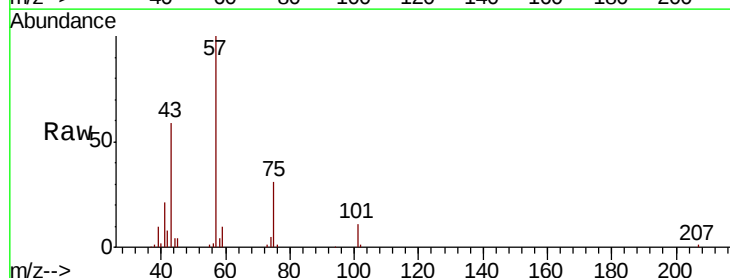
Tgt Ion: 75 Resp: 23295

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

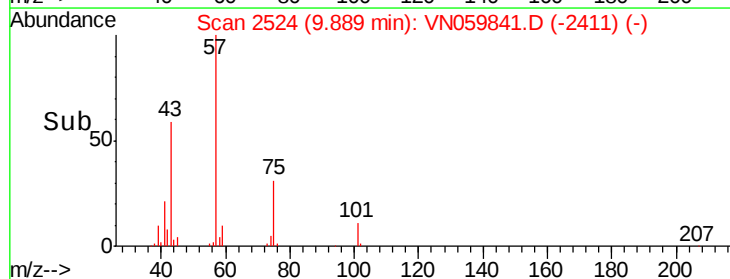
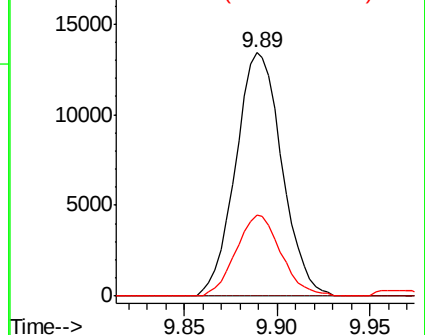
39 33.5 46.1 69.1#

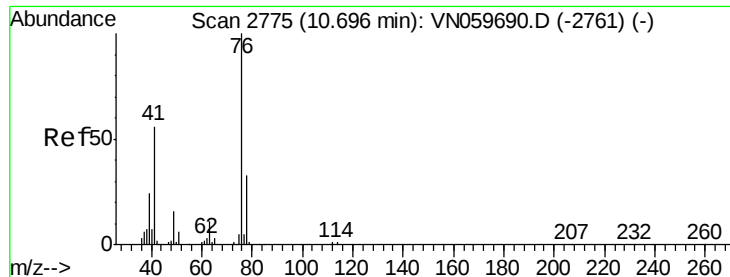


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.227 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

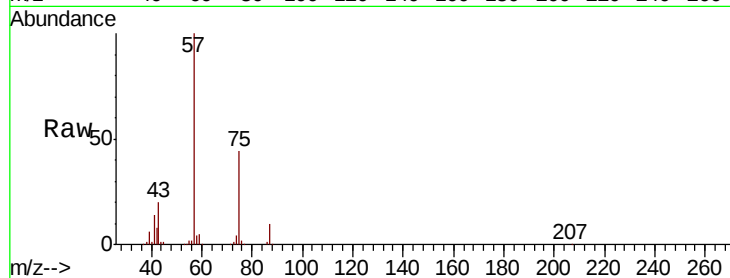
ClientSampled :

Tot Ion: 76 Resp: 3895

Ion Ratio Lower Upper

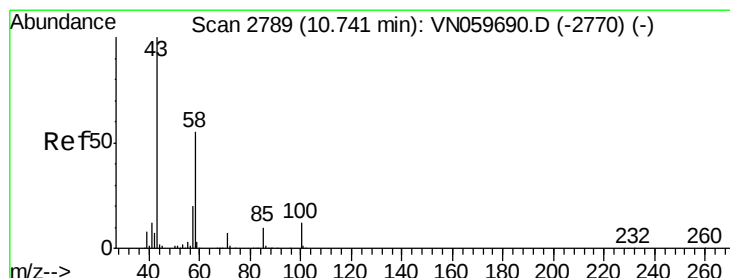
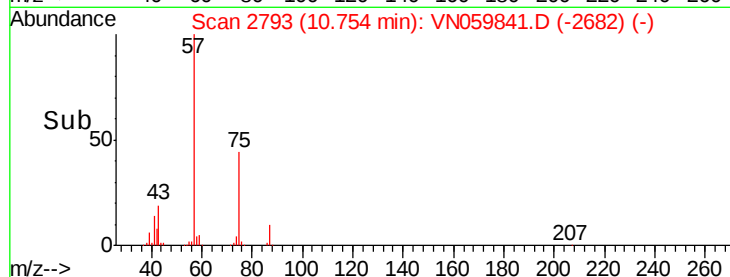
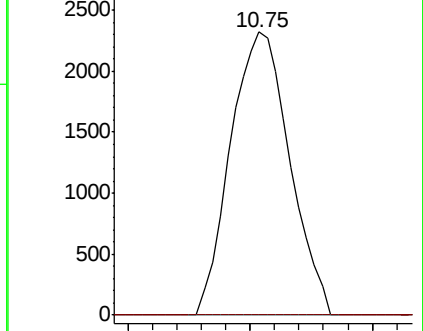
76 100

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: 26.144 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059841.D

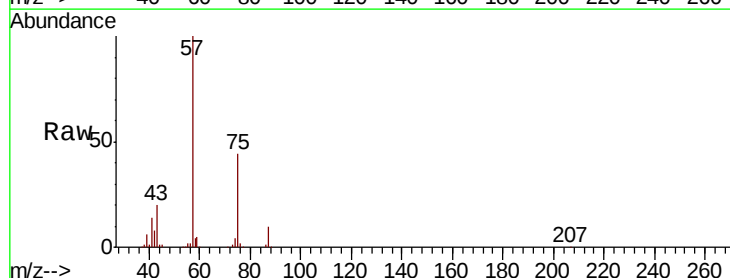
Acq: 24 Jan 2020 13:33

Tgt Ion: 43 Resp: 48140

Ion Ratio Lower Upper

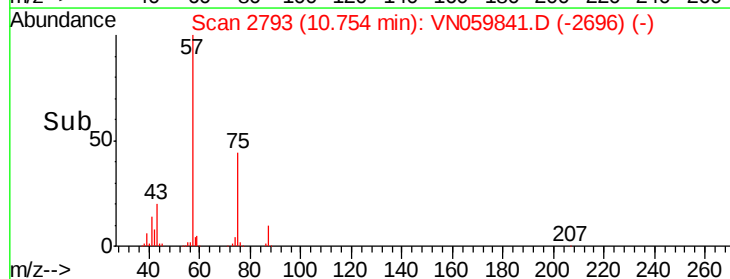
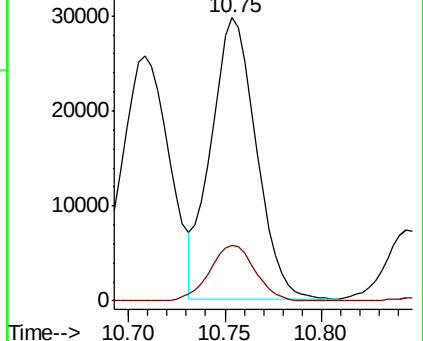
43 100

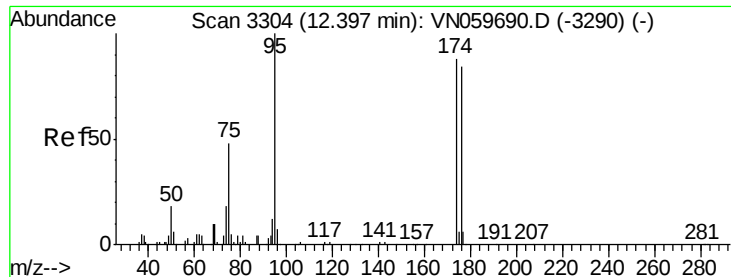
58 19.7 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 47.816 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

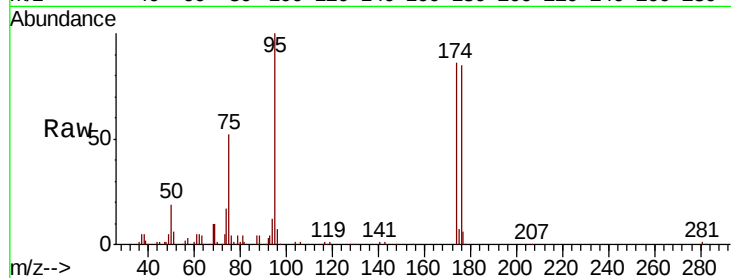
Tot Ion: 95 Resp: 122575

Ion Ratio Lower Upper

95 100

174 87.4 0.0 151.4

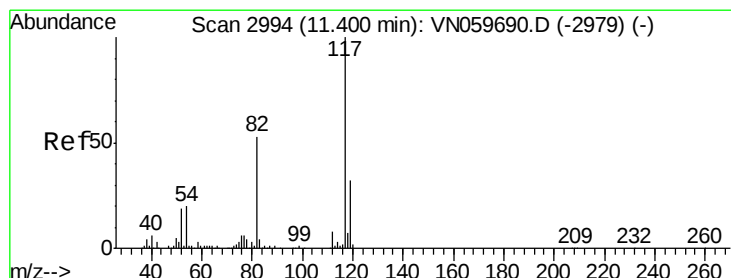
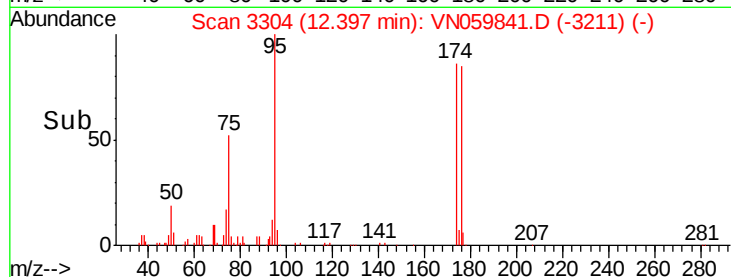
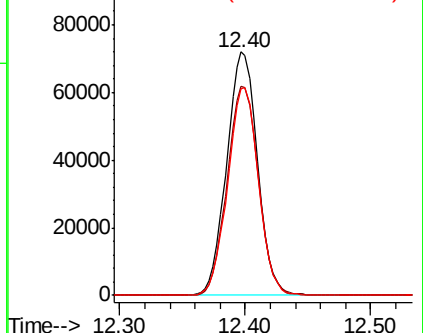
176 85.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059841.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059841.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059841.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

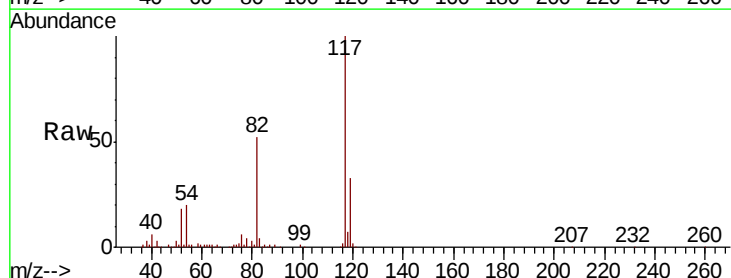
Tgt Ion: 117 Resp: 275878

Ion Ratio Lower Upper

117 100

82 52.4 45.9 68.9

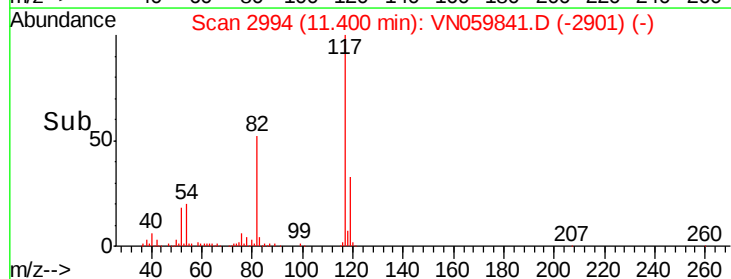
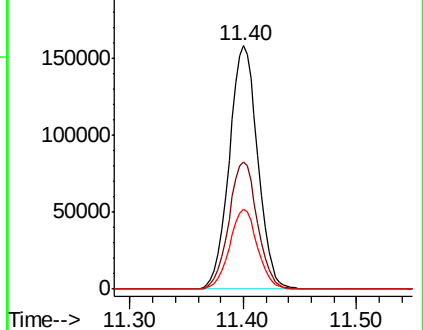
119 32.6 25.5 38.3

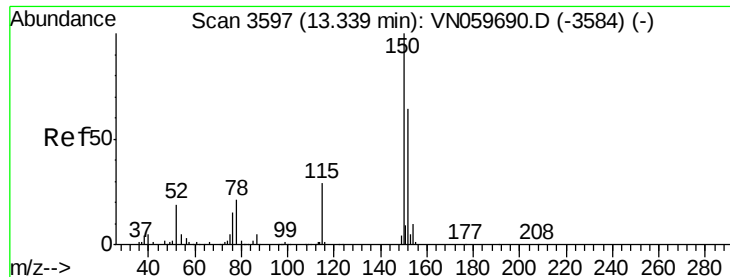


Abundance Ion 116.90 (116.60 to 117.60): VN059841.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059841.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059841.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: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

ClientSampled :

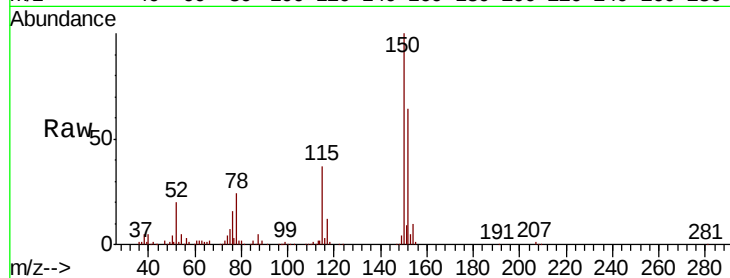
Tot Ion:152 Resp: 116536

Ion Ratio Lower Upper

152 100

115 57.5 30.3 90.9

150 155.3 0.0 345.2

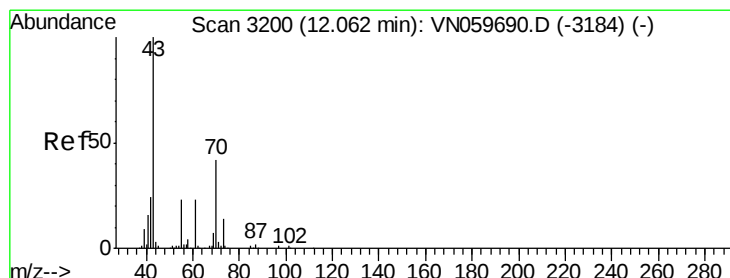
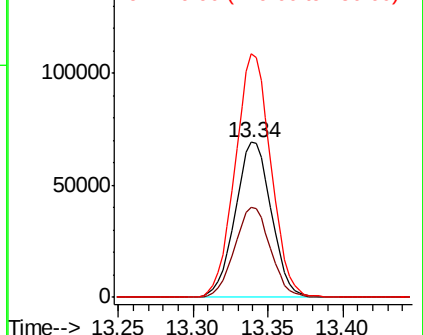
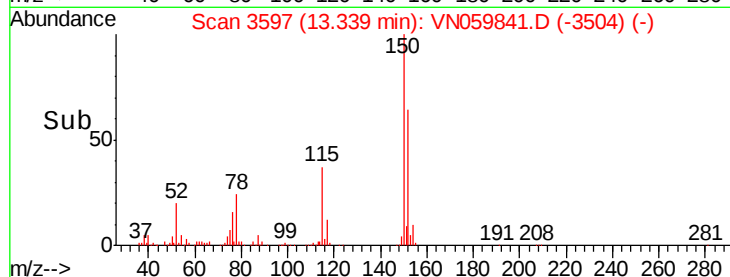


Abundance

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: 1.021 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Tgt Ion: 43 Resp: 3385

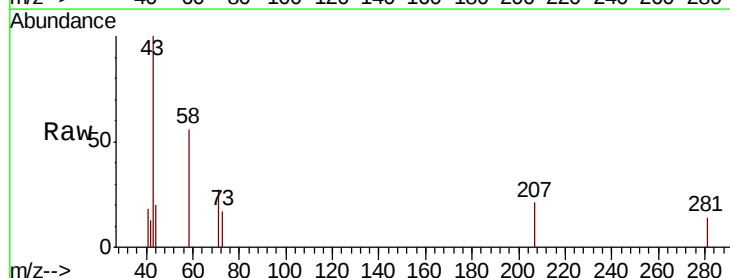
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



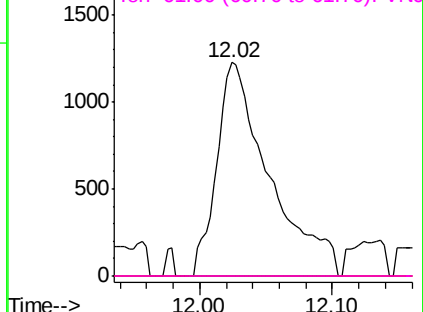
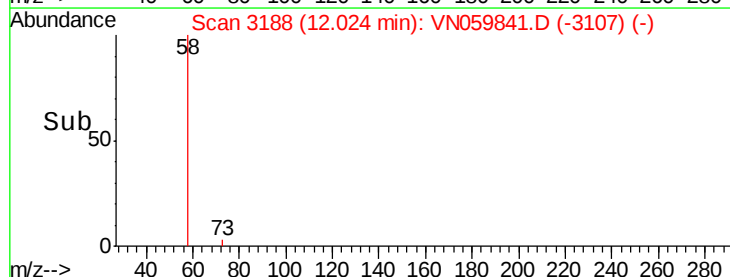
Abundance

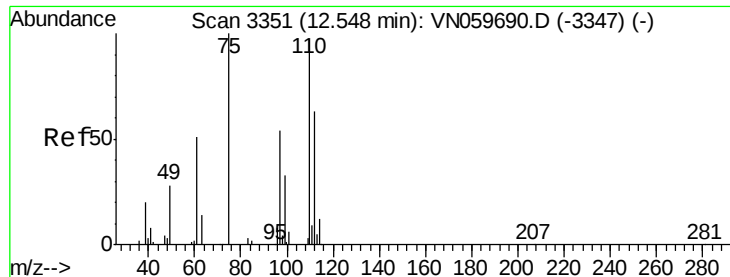
Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 31.679 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

Instrument :

MSVOA_N

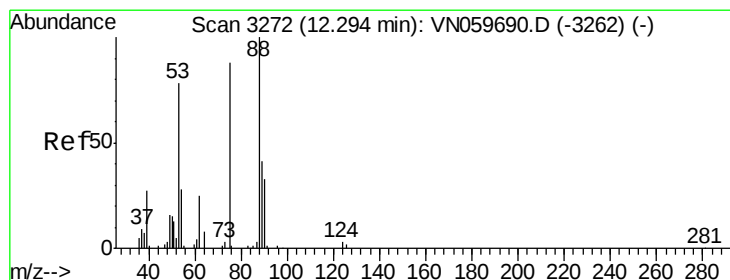
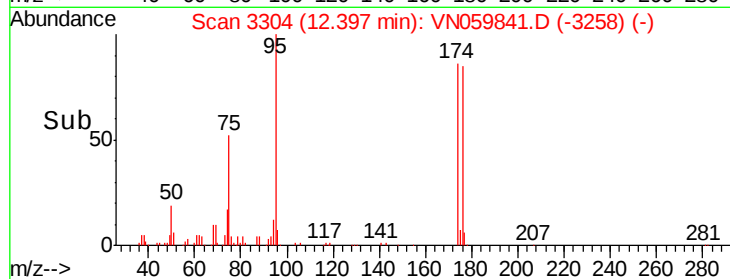
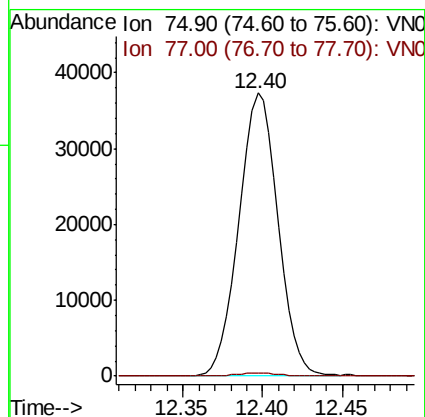
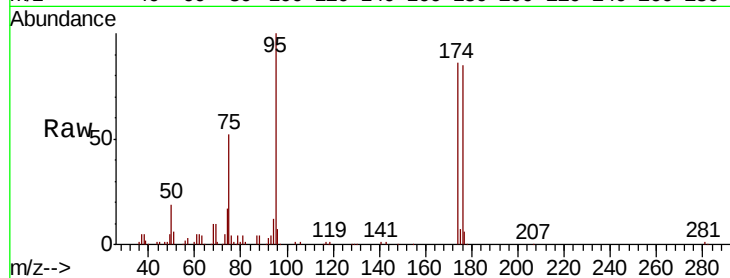
ClientSampleId :

Tot Ion: 75 Resp: 62129

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.032 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059841.D

Acq: 24 Jan 2020 13:33

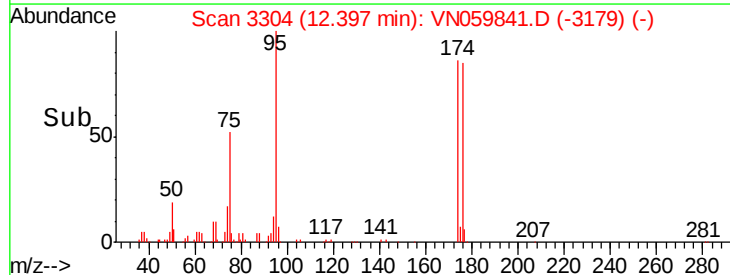
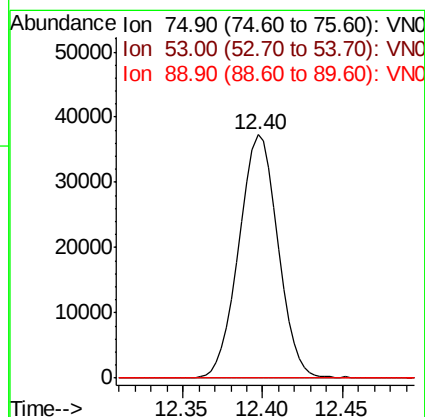
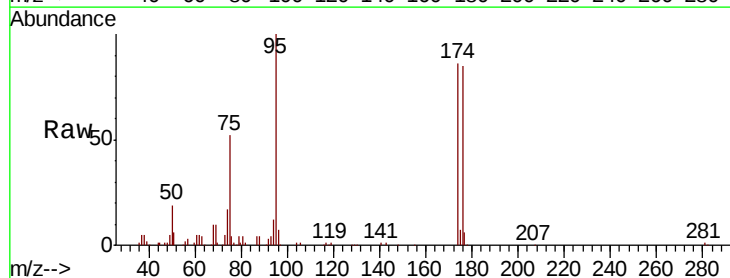
Tgt Ion: 75 Resp: 62129

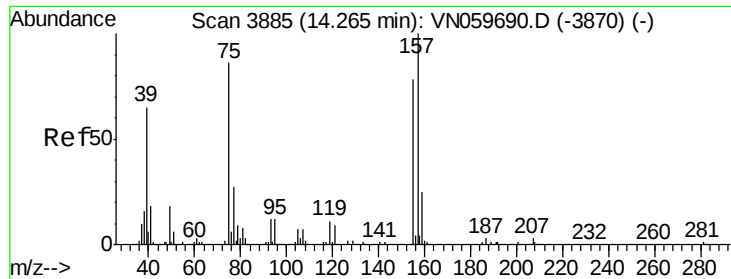
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#

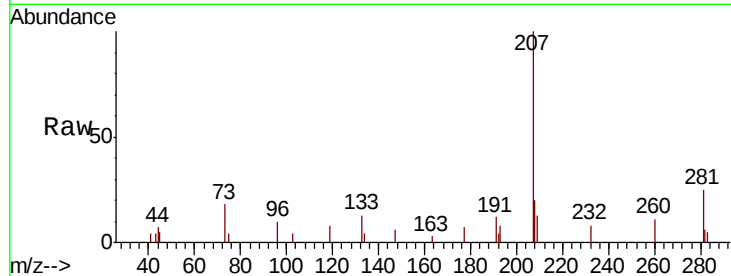




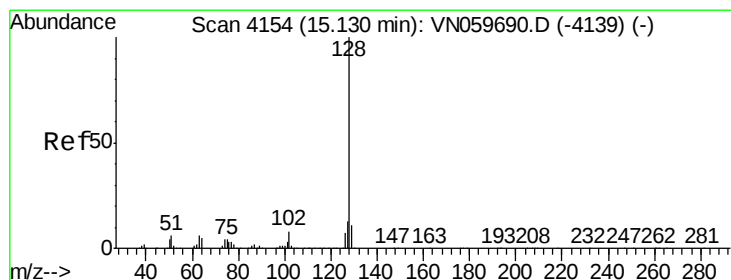
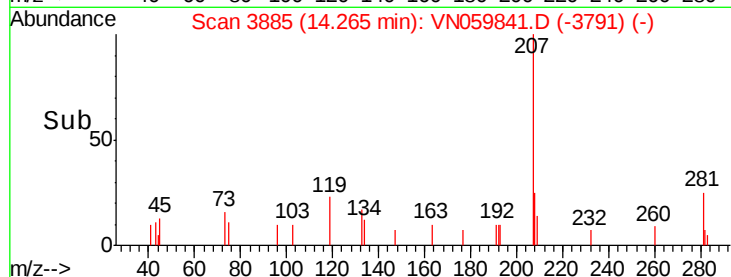
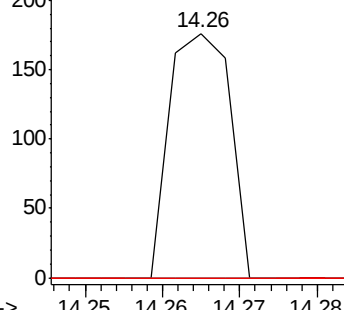
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 96
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#

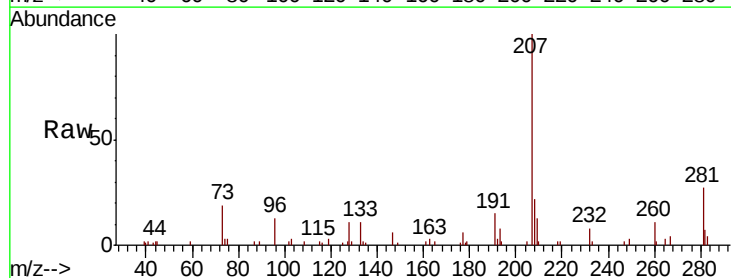


Abundance Ion 74.90 (74.60 to 75.60): VN059841.D (-3791) (-)
 Ion 154.80 (154.50 to 155.50): VN059841.D (-3791) (-)
 Ion 156.80 (156.50 to 157.50): VN059841.D (-3791) (-)

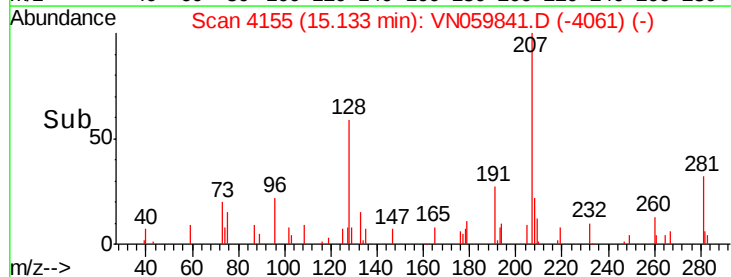
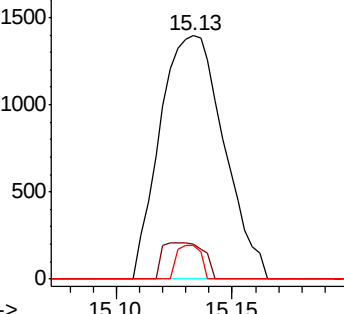


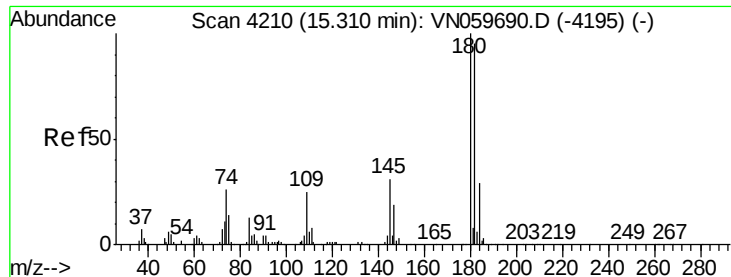
#95
 Naphthalene
 Concen: 0.421 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

Tgt Ion: 128 Resp: 2673
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.4 15.6#
 129 5.2 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059841.D (-4061) (-)
 Ion 127.00 (126.70 to 127.70): VN059841.D (-4061) (-)
 Ion 129.00 (128.70 to 129.70): VN059841.D (-4061) (-)

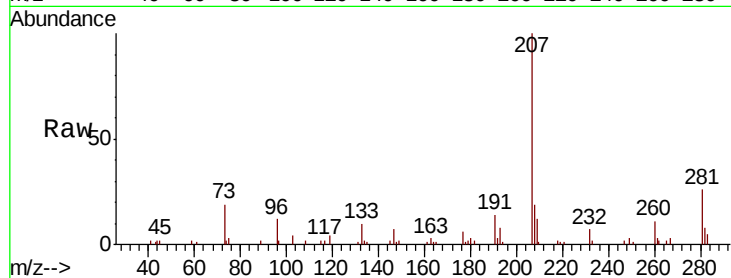




#96
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059841.D
 Acq: 24 Jan 2020 13:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.2	47.4	142.3
145	83.5	16.3	48.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

