

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059792.D
 Acq On : 20 Jan 2020 17:17
 Operator : JC/MD
 Sample : PB126173ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:19:45 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	202580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115404	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	107515	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	7.57	113	92891	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	10.08	98	354878	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	120611	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	

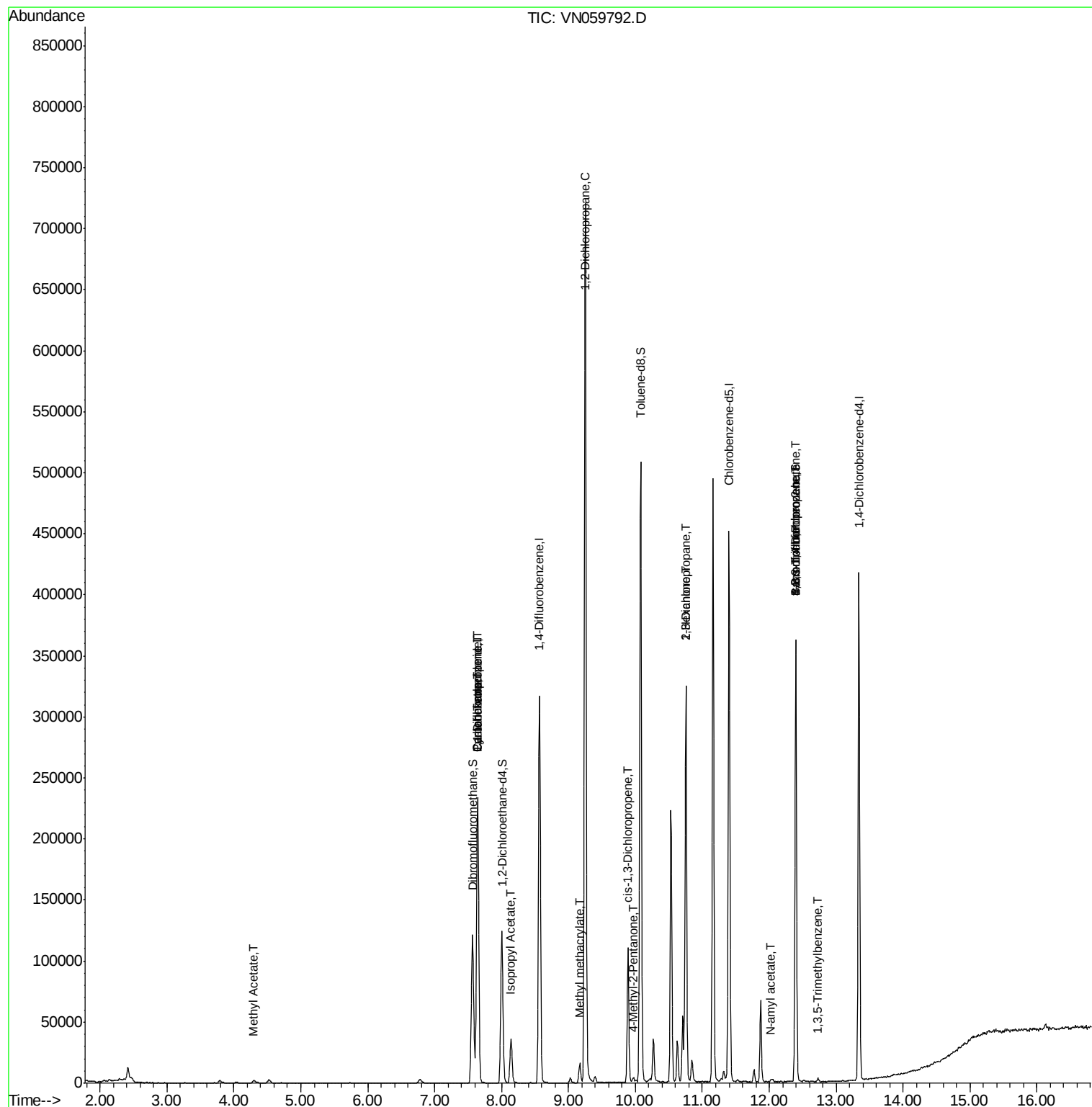
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3892	Below Cal		93
18) Methyl Acetate	4.30	43	4133	1.573	ug/l	99
20) Methylene Chloride	4.53	84	2420	Below Cal	#	83
31) Cyclohexane	7.64	56	3899	1.171	ug/l #	13
36) 1,1-Dichloropropene	7.64	75	13827	5.242	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18383	6.407	ug/l #	16
43) Isopropyl Acetate	8.14	43	42365	9.957	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	837	0.430	ug/l #	44
48) Methyl methacrylate	9.16	41	2216	1.164	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2406	0.978	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	20841	6.411	ug/l #	56
57) 1,3-Dichloropropane	10.75	76	3488	1.116	ug/l #	42
59) 2-Hexanone	10.75	43	44541	24.581	ug/l #	56
71) Bromoform	12.39	173	336	0.204	ug/l #	1
74) N-amyl acetate	12.03	43	2275	0.693	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	60587	31.196	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1864	0.262	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	60587	66.994	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	64	Below Cal	#	6

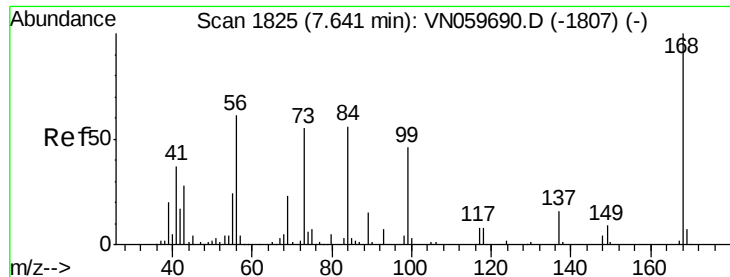
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

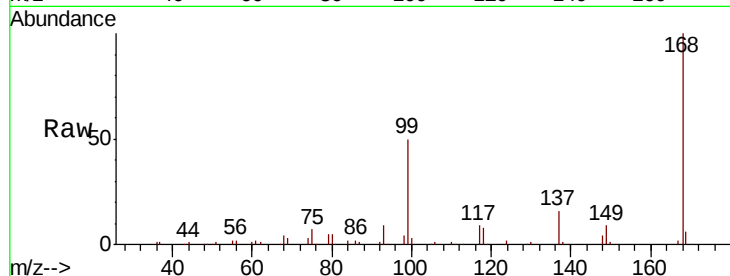
ClientSampled :

Tot Ion:168 Resp: 202580

Ion Ratio Lower Upper

168 100

99 50.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059792.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059792.D (-1732) (-)

7.64

80000

60000

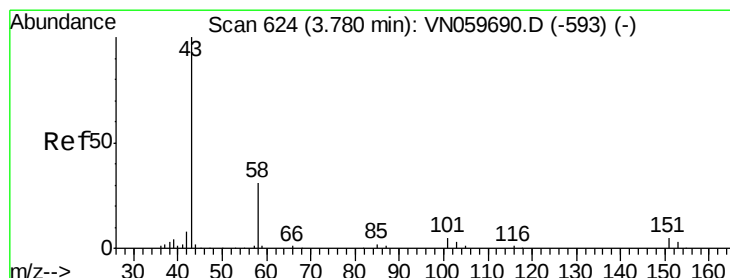
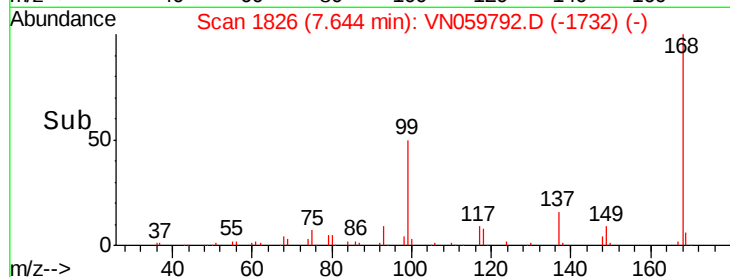
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059792.D

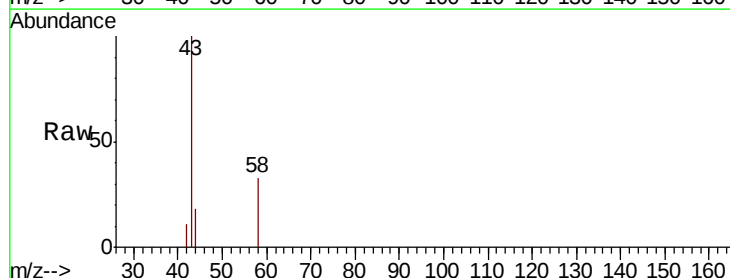
Acq: 20 Jan 2020 17:17

Tgt Ion: 43 Resp: 3892

Ion Ratio Lower Upper

43 100

58 33.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059792.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059792.D (-530) (-)

3.79

1500

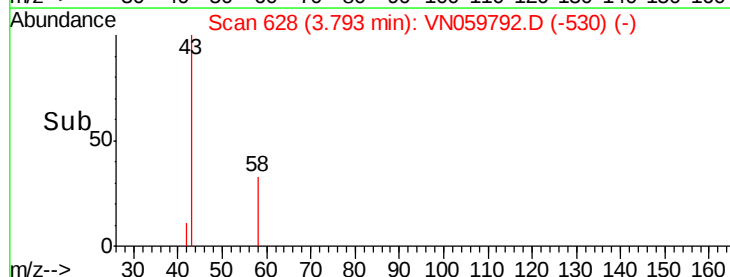
1000

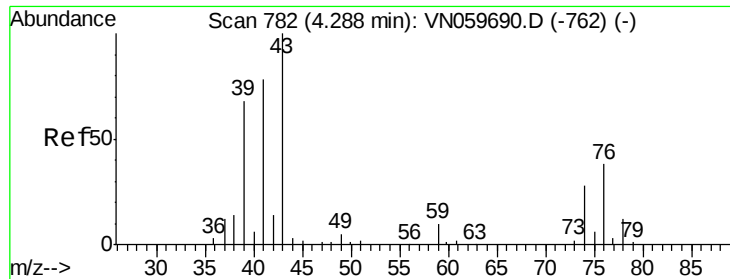
500

0

3.75 3.80 3.85

Time-->

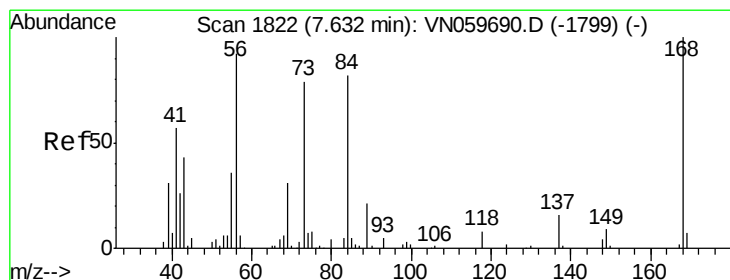
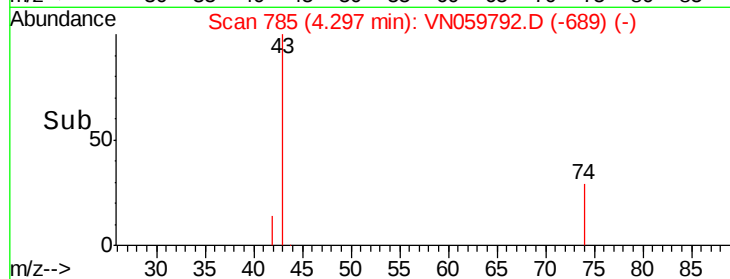
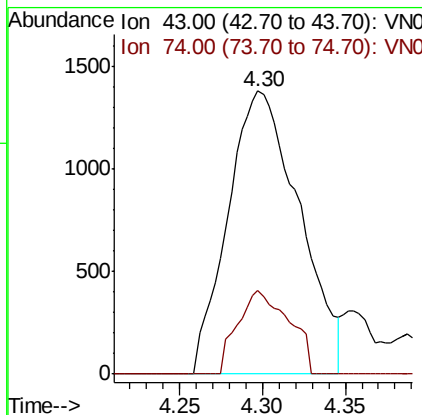
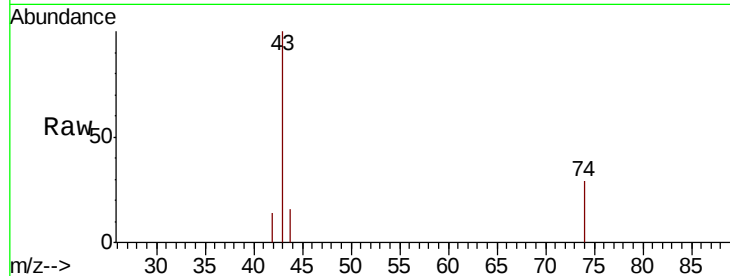




#18
Methvl Acetate
Concen: 1.573 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

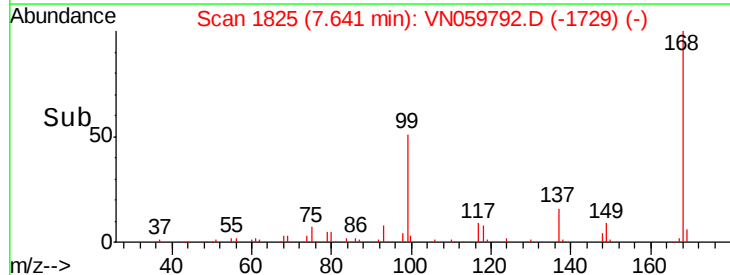
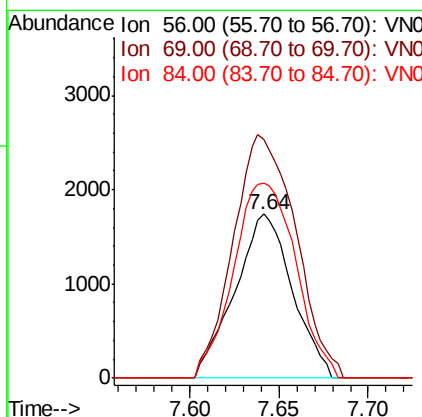
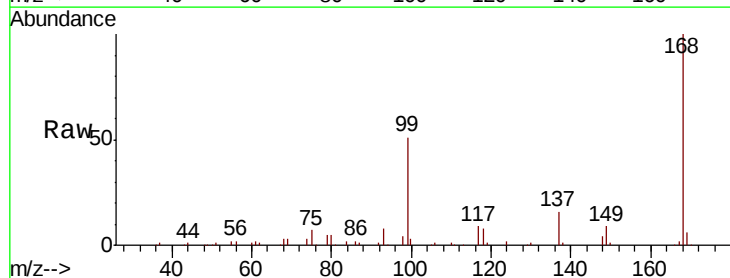
Instrument :
MSVOA_N
ClientSampled :

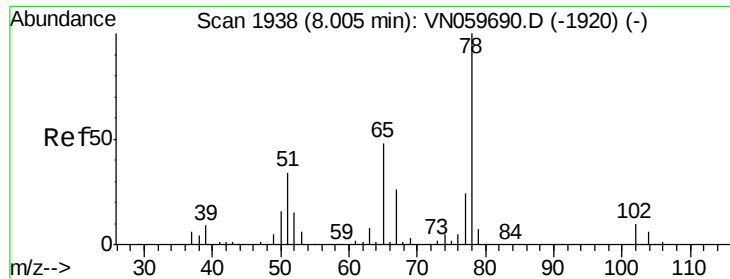
Tot Ion: 43 Resp: 4133
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

Tgt Ion: 56 Resp: 3899
Ion Ratio Lower Upper
56 100
69 145.8 26.5 39.7#
84 118.8 65.3 97.9#

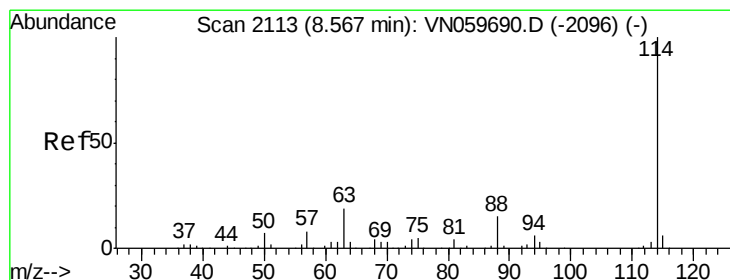
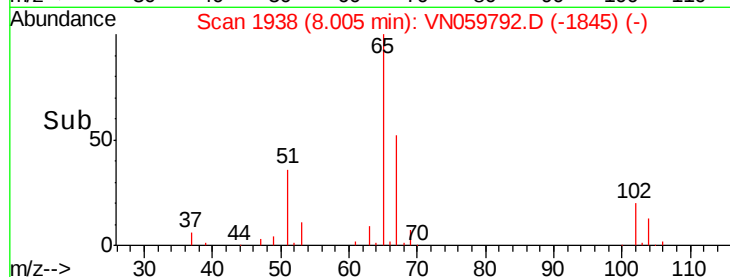
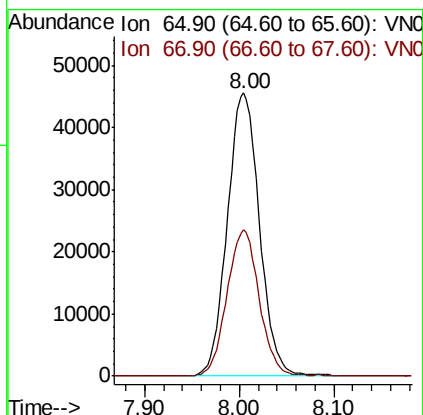
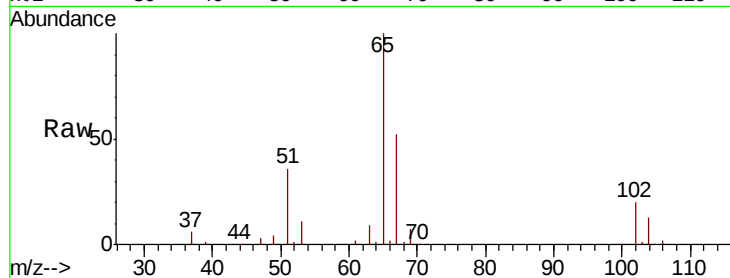




#33
 1,2-Dichloroethane-d4
 Concen: 47.791 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059792.D
 Acq: 20 Jan 2020 17:17

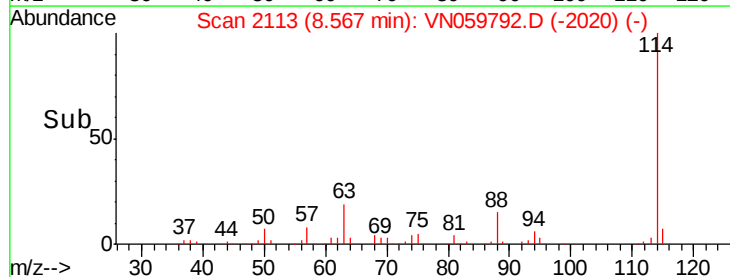
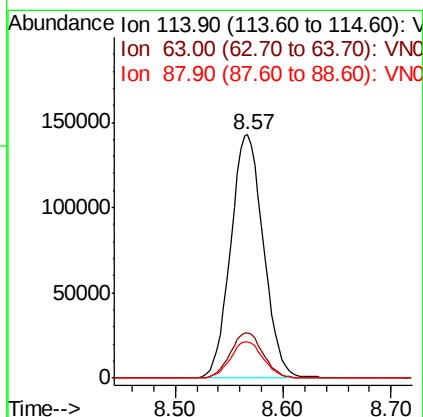
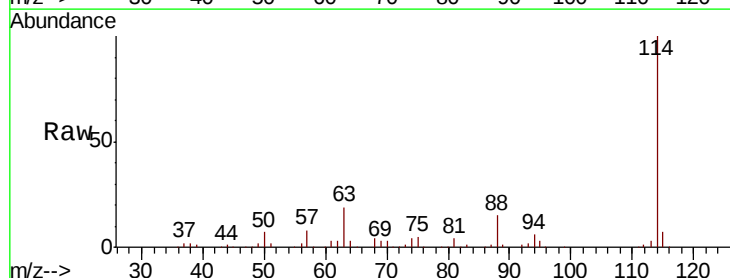
Instrument :
 MSVOA_N
 ClientSampled :

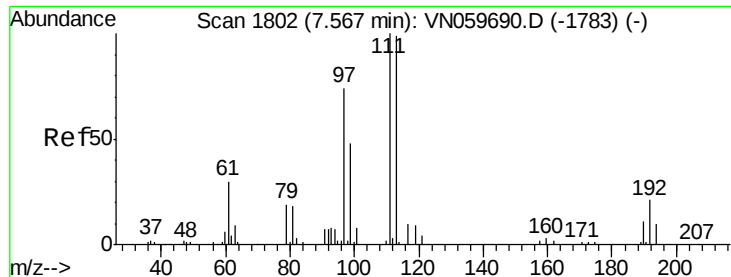
Tot Ion: 65 Resp: 107515
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059792.D
 Acq: 20 Jan 2020 17:17

Tgt Ion: 114 Resp: 302871
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.6
 88 14.9 0.0 31.4

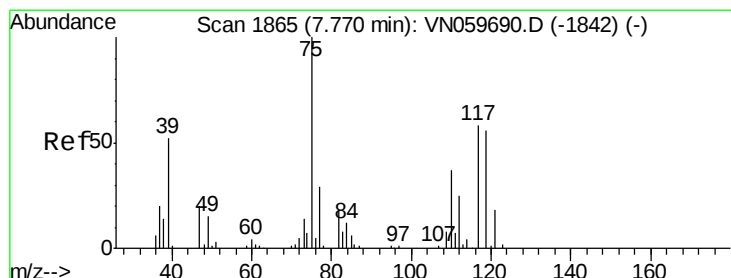
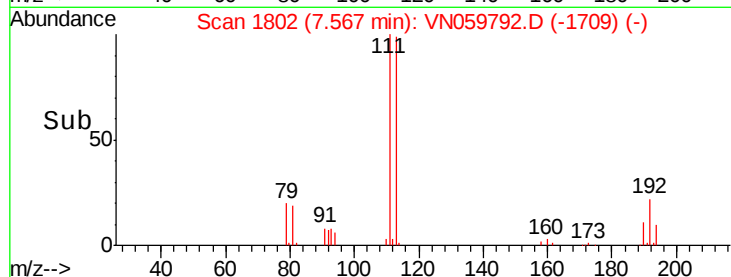
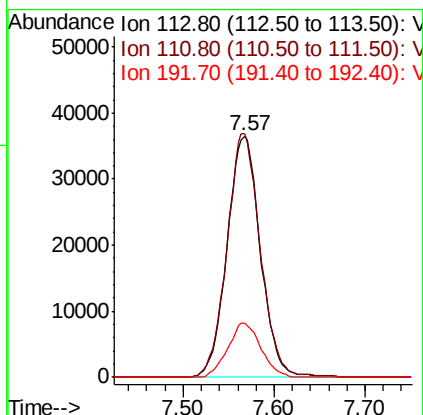
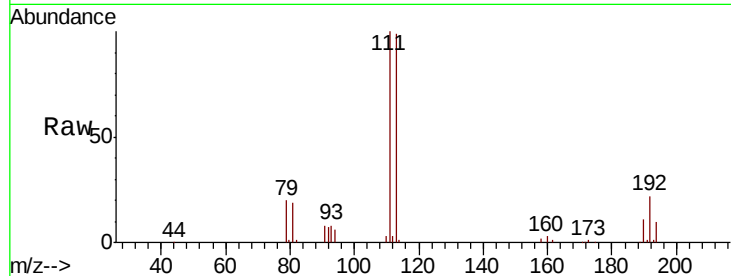




#35
 Dibromofluoromethane
 Concen: 51.430 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059792.D
 Acq: 20 Jan 2020 17:17

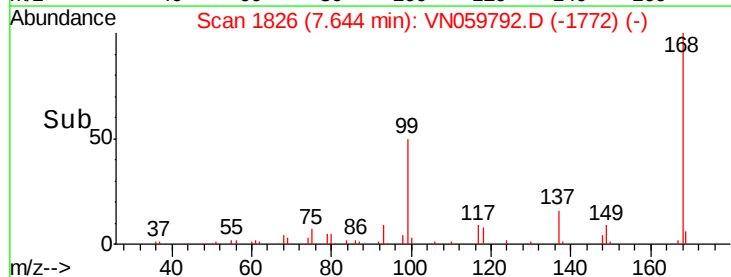
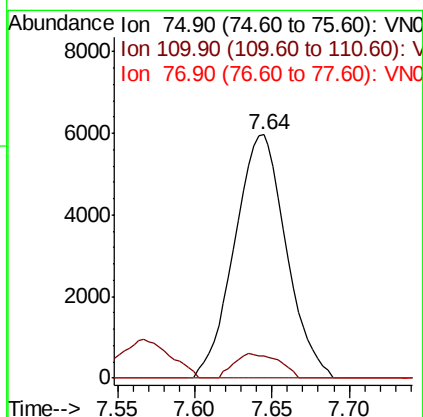
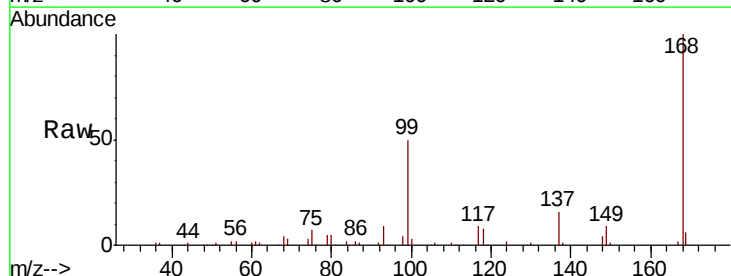
Instrument :
 MSVOA_N
 ClientSampleId :

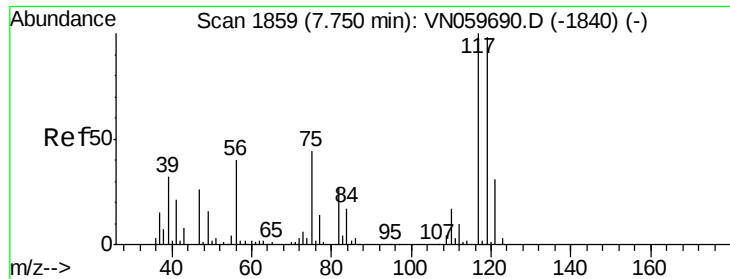
Tot Ion:113 Resp: 92891
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.5 125.3
 192 22.3 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.242 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059792.D
 Acq: 20 Jan 2020 17:17

Tgt Ion: 75 Resp: 13827
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.407 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

ClientSampled :

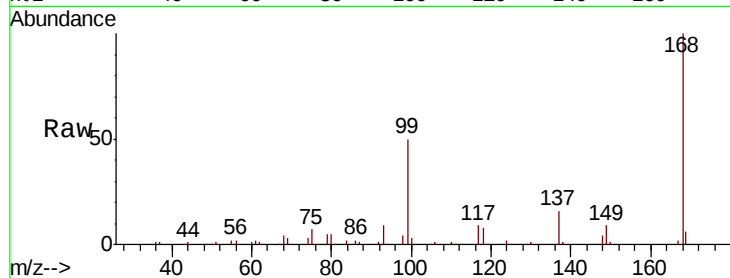
Tot Ion:117 Resp: 18383

Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

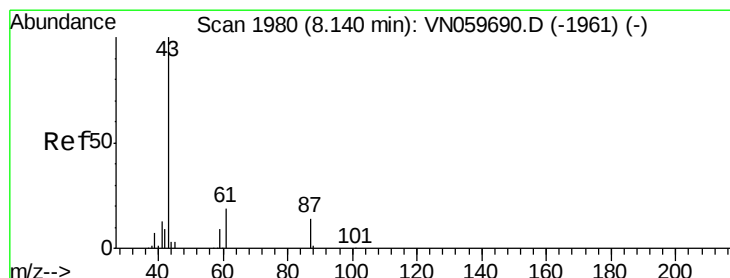
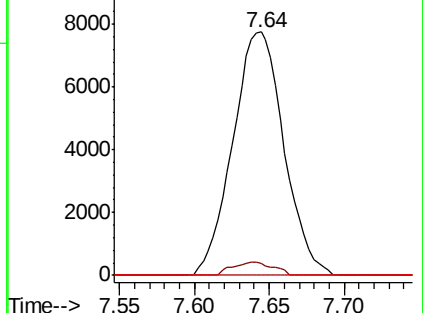
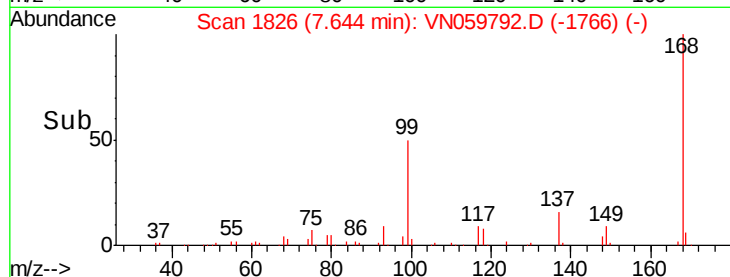
121 0.0 25.1 37.7#



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: 9.957 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

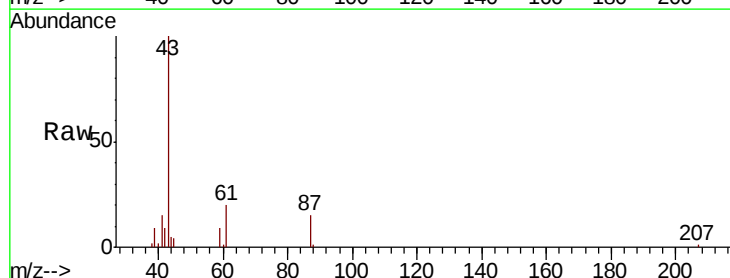
Tgt Ion: 43 Resp: 42365

Ion Ratio Lower Upper

43 100

61 20.7 20.2 30.2

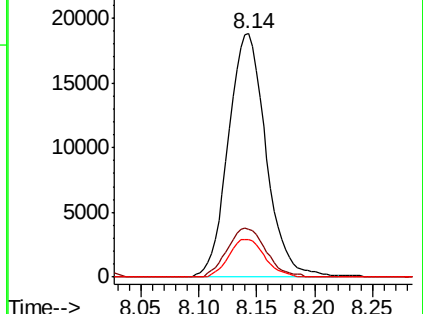
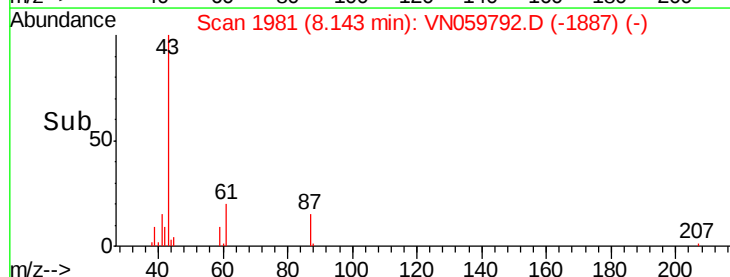
87 14.7 9.5 14.3#

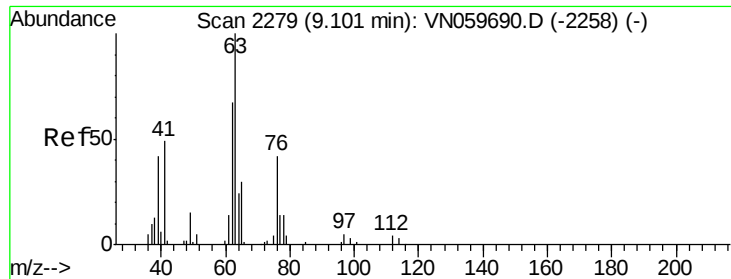


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.430 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

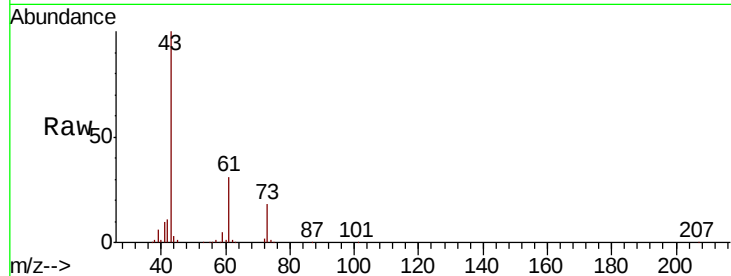
ClientSampled :

Tot Ion: 63 Resp: 837

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

9.25

600

500

400

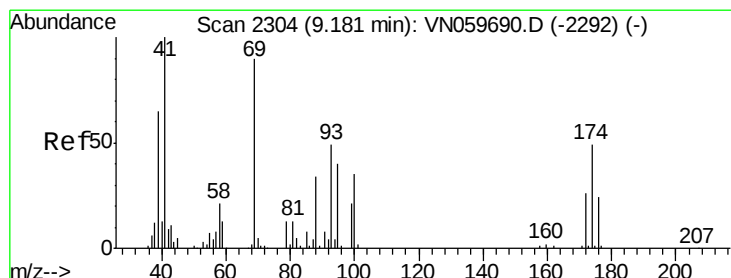
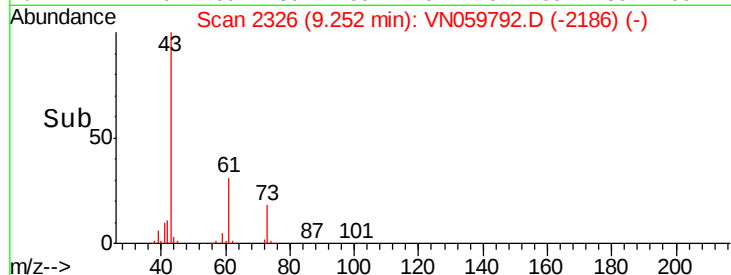
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 1.164 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

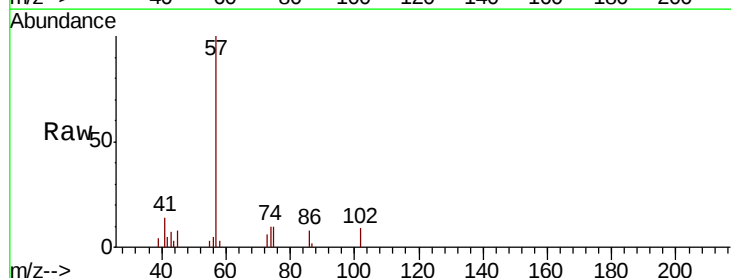
Tgt Ion: 41 Resp: 2216

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

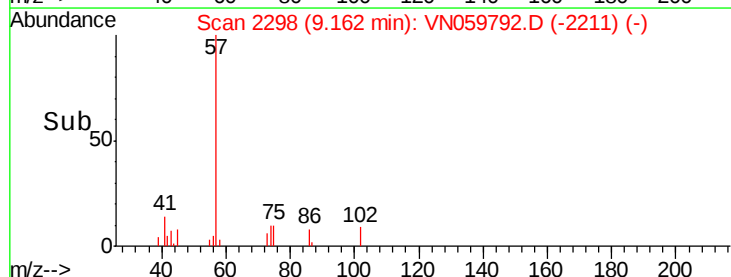
15000

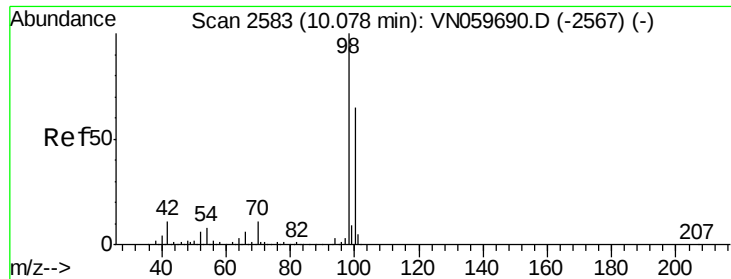
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 50.712 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

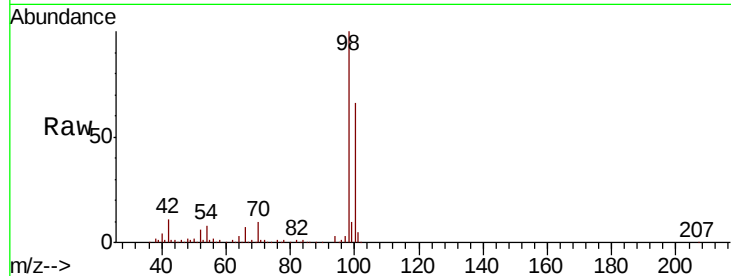
ClientSampled :

Tot Ion: 98 Resp: 354878

Ion Ratio Lower Upper

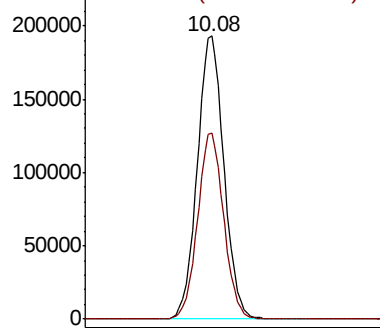
98 100

100 64.7 51.2 76.8

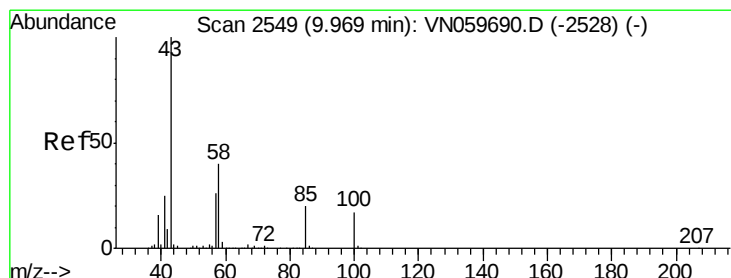
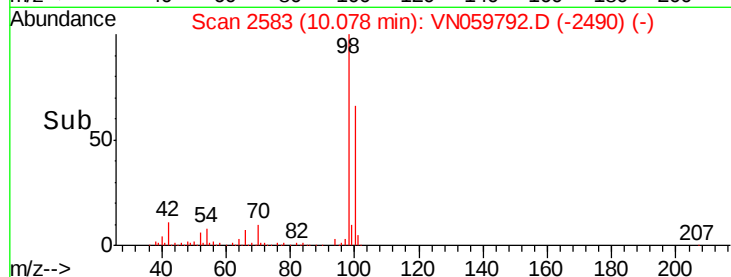


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.978 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059792.D

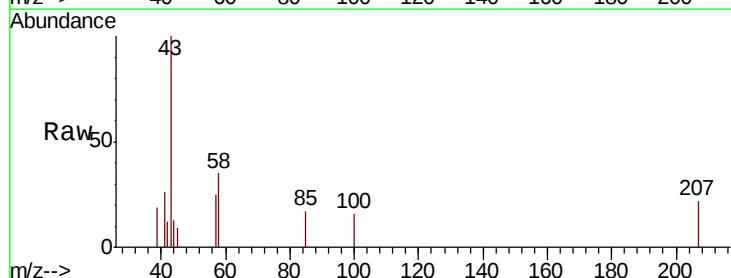
Acq: 20 Jan 2020 17:17

Tgt Ion: 43 Resp: 2406

Ion Ratio Lower Upper

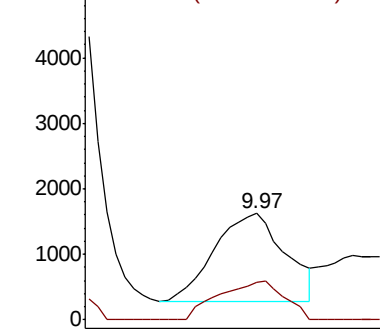
43 100

58 41.1 29.8 44.8

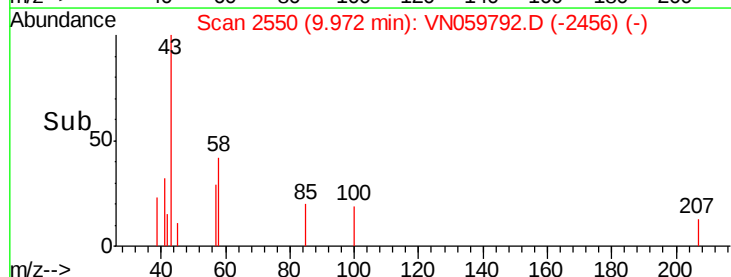


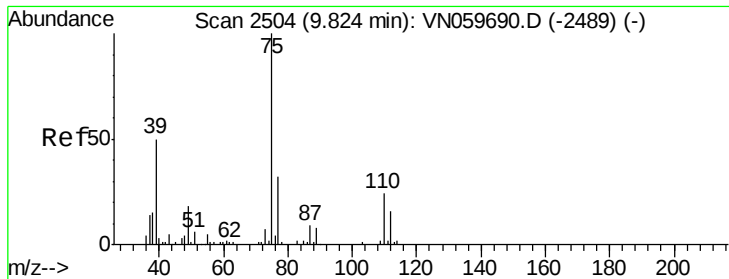
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.411 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

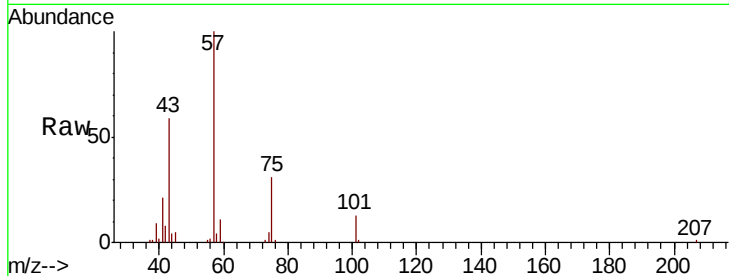
Tot Ion: 75 Resp: 20841

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

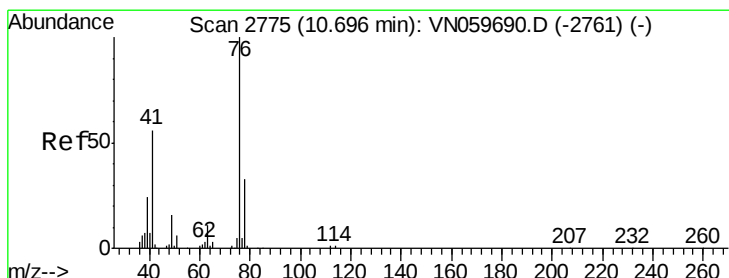
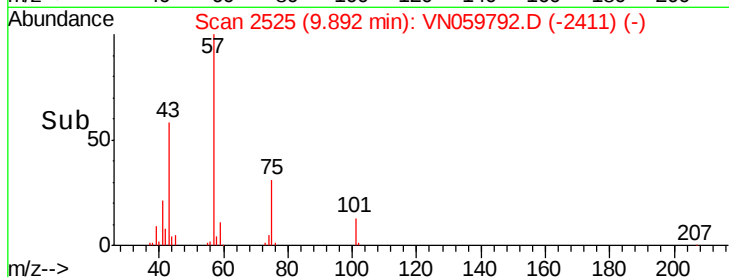
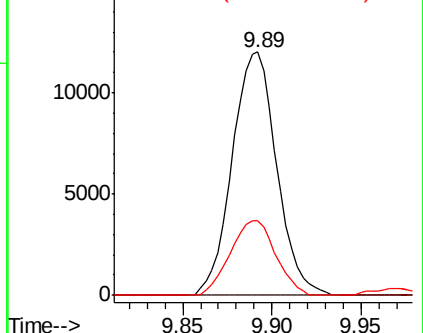
39 30.6 46.1 69.1#



Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN059690.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN059690.D (-2489) (-)



#57

1,3-Dichloropropane

Concen: 1.116 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059792.D

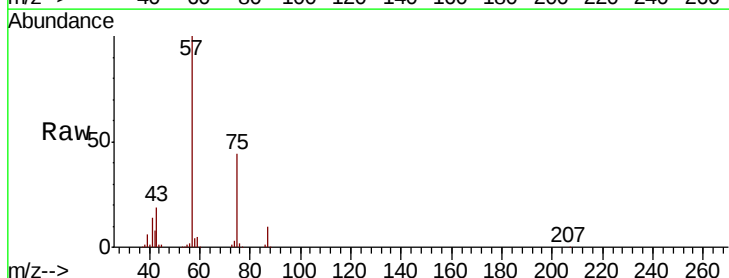
Acq: 20 Jan 2020 17:17

Tgt Ion: 76 Resp: 3488

Ion Ratio Lower Upper

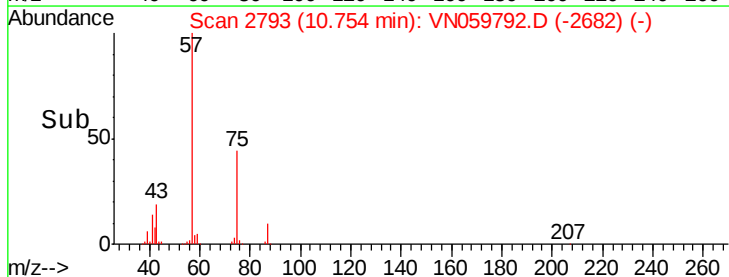
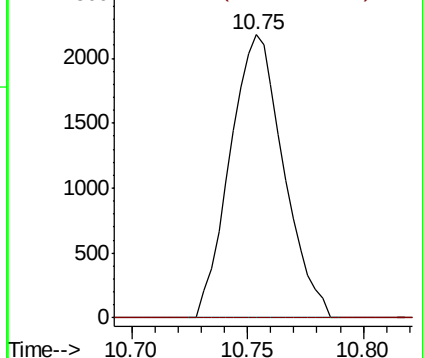
76 100

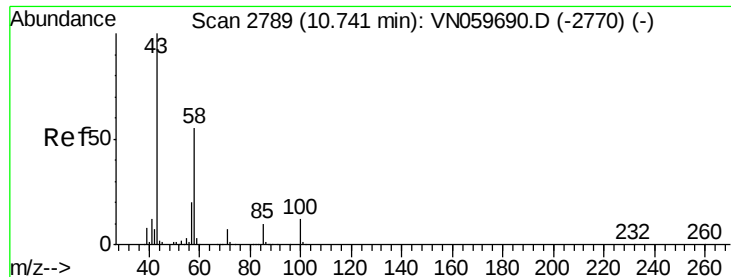
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN059690.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059690.D (-2761) (-)

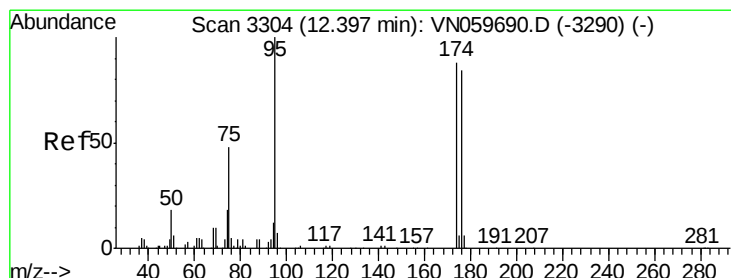
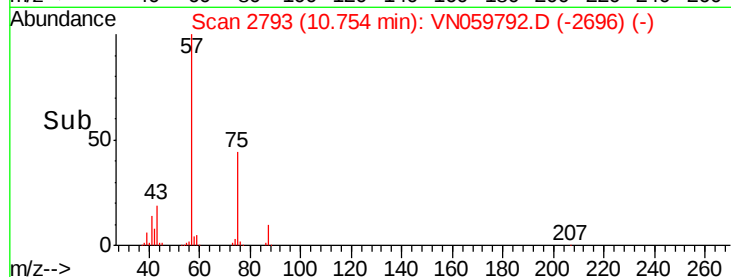
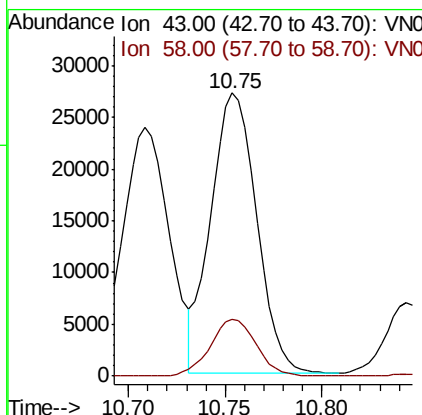
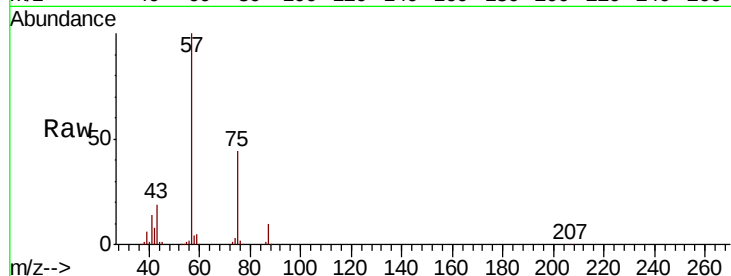




#59
2-Hexanone
Concen: 24.581 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

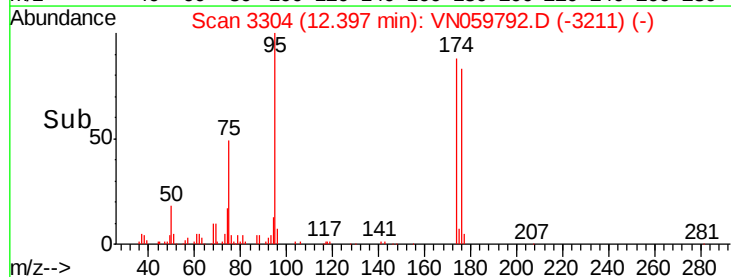
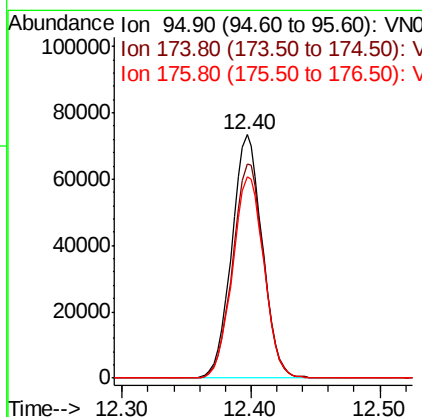
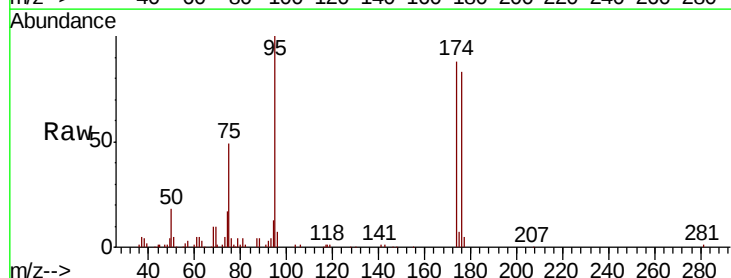
Instrument :
MSVOA_N
ClientSampled :

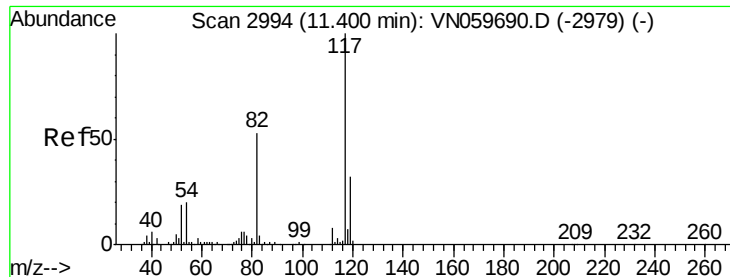
Tot Ion: 43 Resp: 44541
Ion Ratio Lower Upper
43 100
58 20.4 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.809 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

Tgt Ion: 95 Resp: 120611
Ion Ratio Lower Upper
95 100
174 89.8 0.0 151.4
176 85.0 0.0 146.0

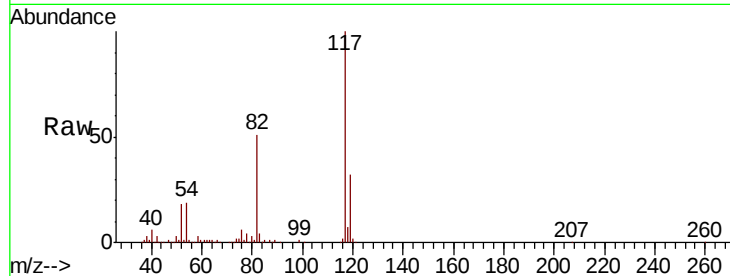




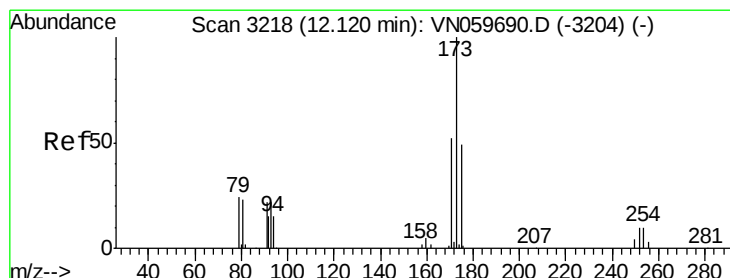
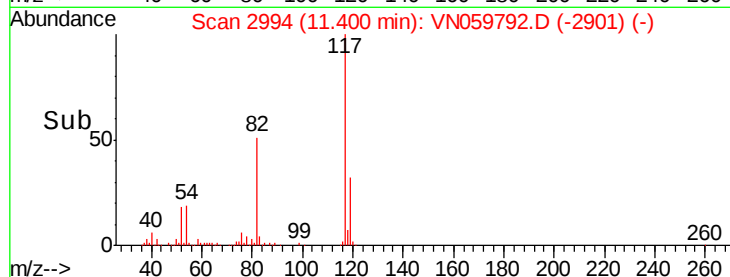
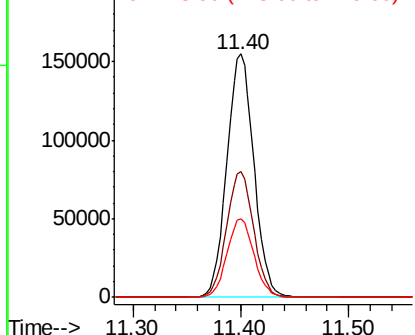
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 270232
Ion Ratio Lower Upper
117 100
82 51.4 45.9 68.9
119 32.3 25.5 38.3

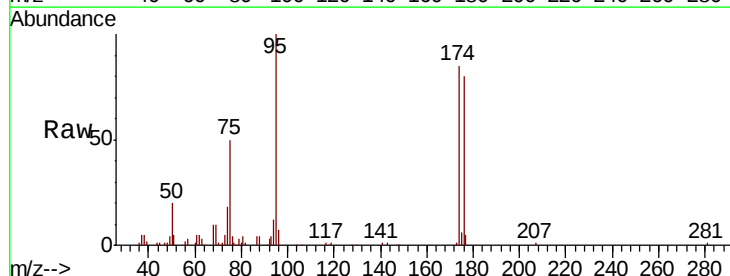


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

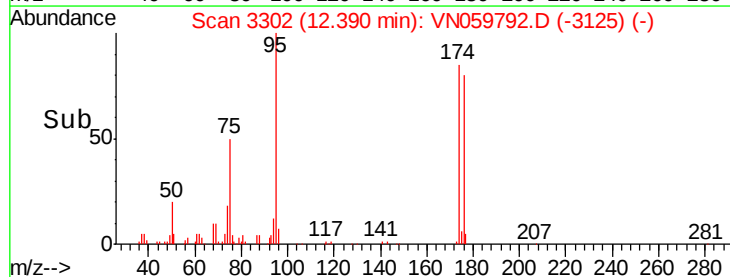
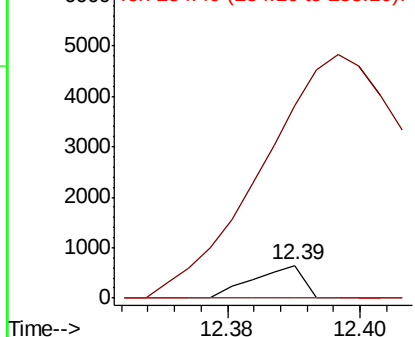


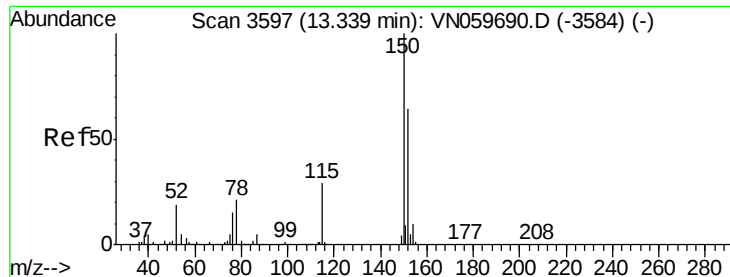
#71
Bromoform
Concen: 0.204 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

Tgt Ion:173 Resp: 336
Ion Ratio Lower Upper
173 100
175 1942.9 23.8 71.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



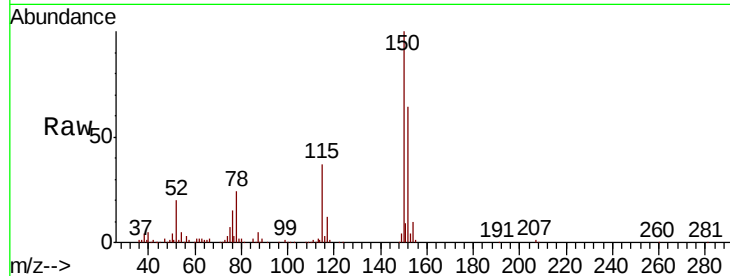


#72

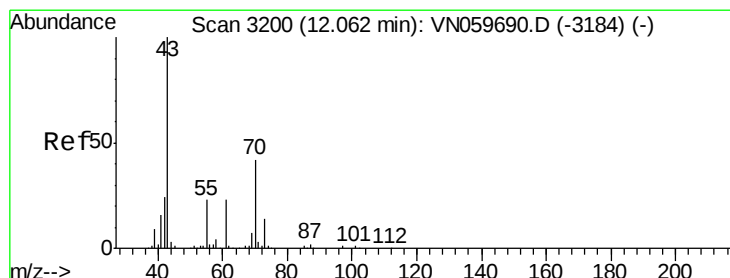
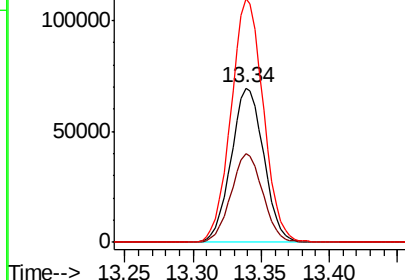
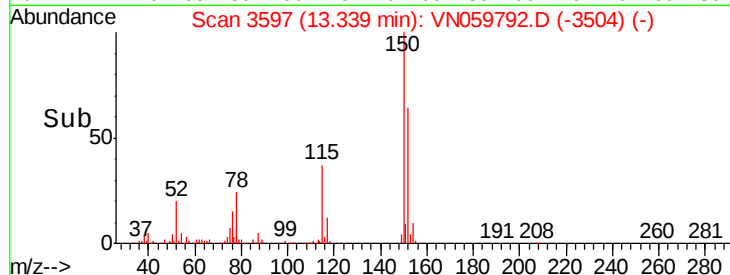
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 115404
Ion Ratio Lower Upper
152 100
115 56.3 30.3 90.9
150 156.9 0.0 345.2



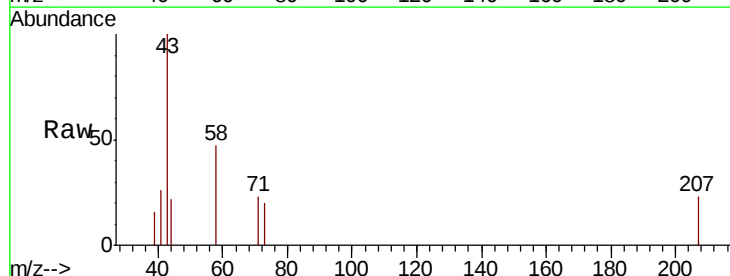
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



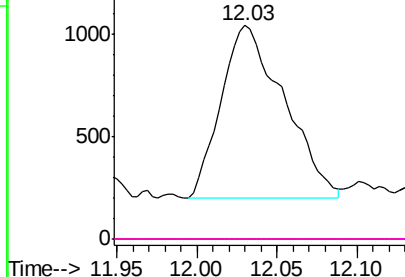
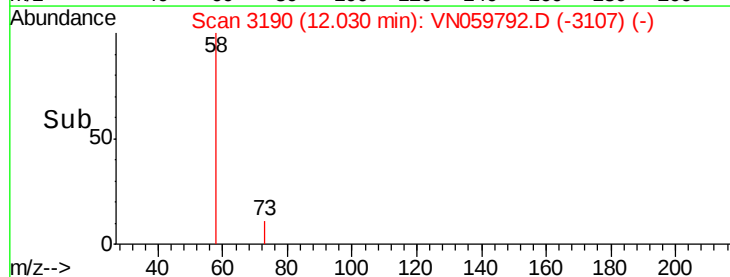
#74

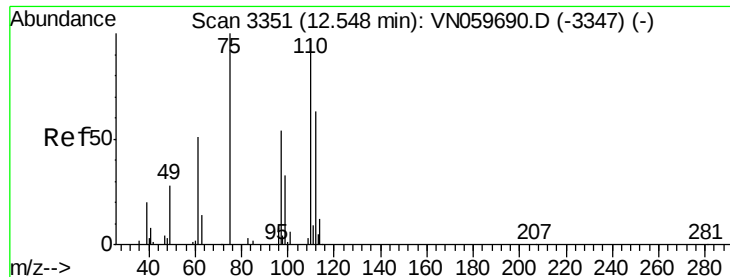
N-ethyl acetate
Concen: 0.693 ug/l
RT: 12.03 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VN059792.D
Acq: 20 Jan 2020 17:17

Tgt Ion: 43 Resp: 2275
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: 31.196 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

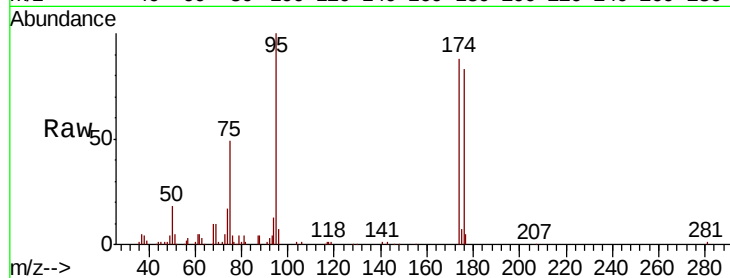
ClientSampled :

Tot Ion: 75 Resp: 60587

Ion Ratio Lower Upper

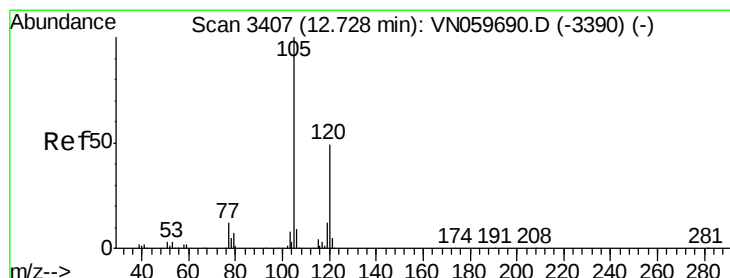
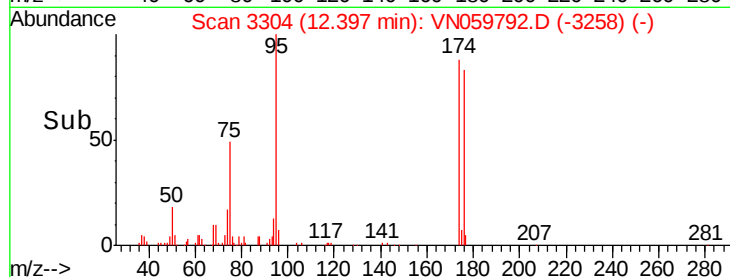
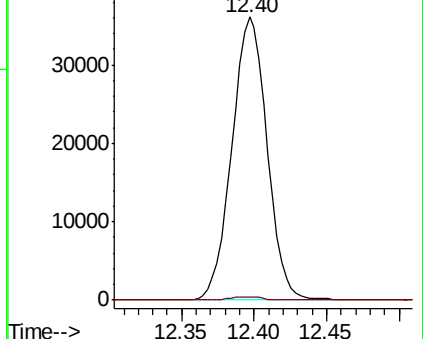
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059690.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059792.D

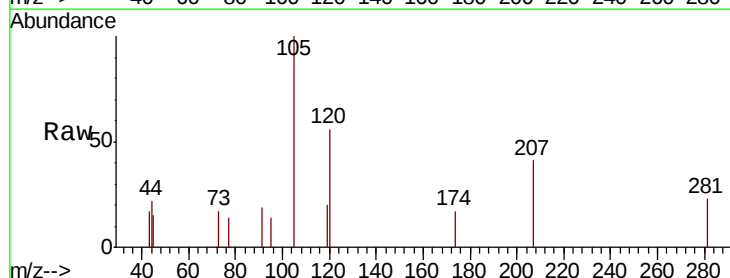
Acq: 20 Jan 2020 17:17

Tgt Ion: 105 Resp: 1864

Ion Ratio Lower Upper

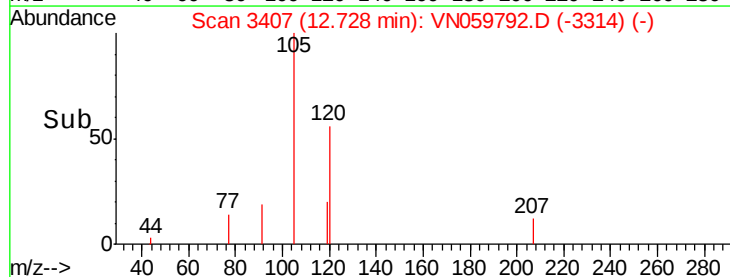
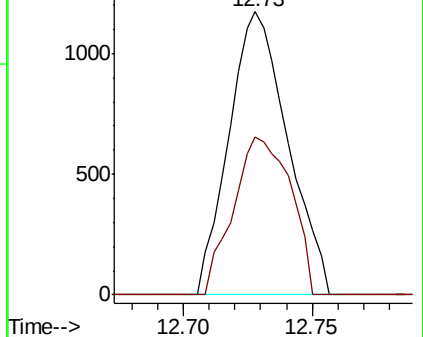
105 100

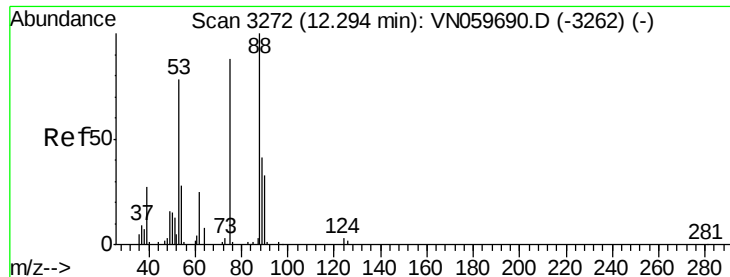
120 54.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.994 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

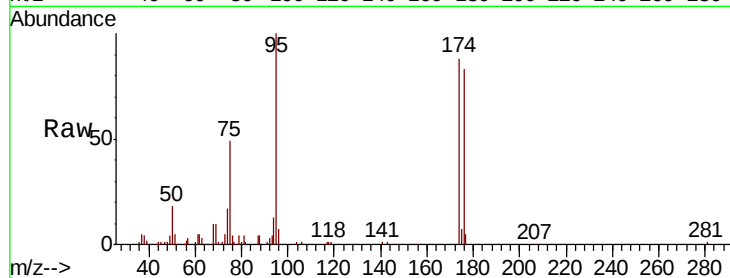
Tot Ion: 75 Resp: 60587

Ion Ratio Lower Upper

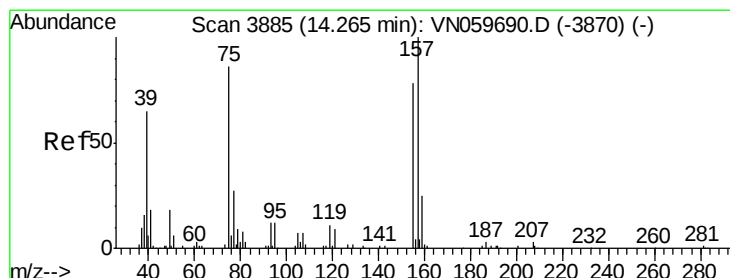
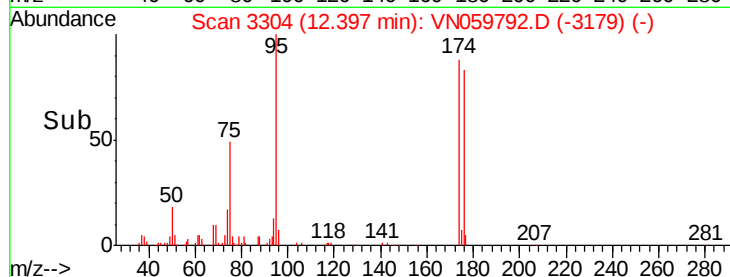
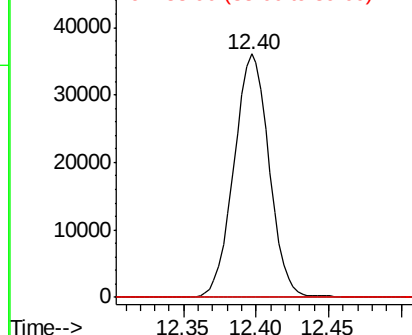
75 100

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: 14.29 min Scan# 3893

Delta R.T. 0.03 min

Lab File: VN059792.D

Acq: 20 Jan 2020 17:17

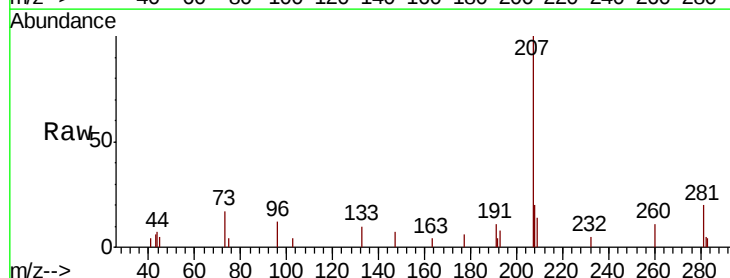
Tgt Ion: 75 Resp: 64

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

