

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055199.D
 Acq On : 23 Apr 2019 12:14
 Operator : JC/SP
 Sample : K2532-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14

Quant Time: Apr 24 02:49:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	370379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	640099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172332	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	254684	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	206274	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	10.09	98	773880	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.40	95	237619	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	90	9.706	ug/l #	14
14) Allyl chloride	4.55	41	31331	4.159	ug/l #	27
16) Acetone	3.82	43	9903	5.976	ug/l	93
17) Carbon Disulfide	4.05	76	6915	0.649	ug/l #	85
18) Methyl Acetate	4.34	43	3646	Below Cal	#	85
20) Methylene Chloride	4.55	84	697962	146.496	ug/l	99
29) Tetrahydrofuran	7.22	42	1288	0.979	ug/l #	83
30) Chloroform	7.38	83	8183	1.065	ug/l	91
31) Cyclohexane	7.67	56	8001	Below Cal	#	17
36) 1,1-Dichloropropene	7.66	75	26627	4.482	ug/l #	51
38) Carbon Tetrachloride	7.67	117	34677	6.233	ug/l #	17
43) Isopropyl Acetate	8.17	43	14636	1.885	ug/l #	90
45) 1,2-Dichloropropane	9.27	63	1343	0.259	ug/l #	45
47) Bromodichloromethane	9.41	83	1779	0.300	ug/l #	87
48) Methyl methacrylate	9.18	41	8218	2.182	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	4817	1.078	ug/l	89
54) cis-1,3-Dichloropropene	9.90	75	52645	7.792	ug/l #	69
56) Ethyl methacrylate	10.54	69	1272	0.258	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	10232	1.484	ug/l #	43
59) 2-Hexanone	10.76	43	171407	60.739	ug/l #	56
71) Bromoform	12.39	173	541	0.209	ug/l #	1
73) Isopropylbenzene	12.26	105	682	Below Cal	#	49
74) N-amyl acetate	11.88	43	15895	3.577	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.40	83	112	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	123656	35.369	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7159	0.555	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	123656	134.078	ug/l #	5
83) tert-Butylbenzene	12.99	119	220	Below Cal	#	66
84) 1,2,4-Trimethylbenzene	13.04	105	4456	0.366	ug/l #	63
93) 1,2,4-Trichlorobenzene	14.91	180	287	2.845	ug/l	80
94) Hexachlorobutadiene	15.01	225	228	Below Cal	#	35
95) Naphthalene	15.13	128	5636	4.339	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	196	2.198	ug/l #	60

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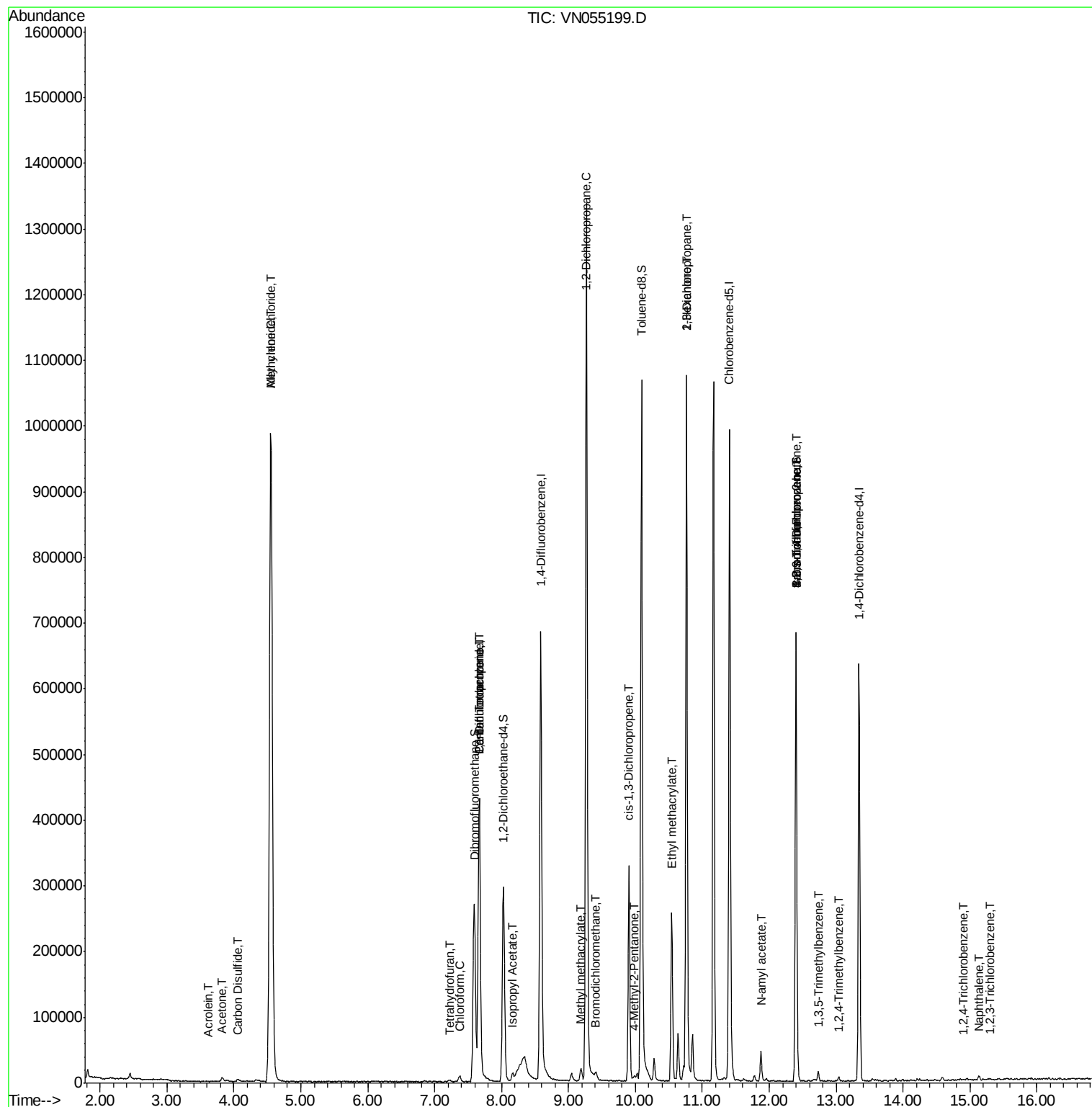
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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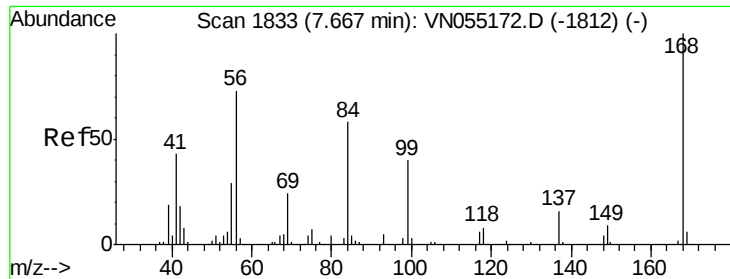
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

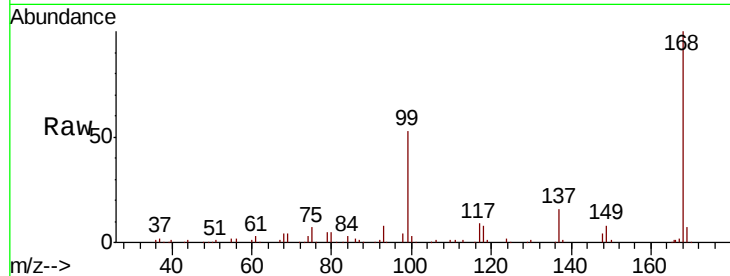
Instrument :
MSVOA_N
ClientSampled :
TP-14

Tgt Ion: 168 Resp: 370379

Ion Ratio Lower Upper

168 100

99 52.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055199.D (-1740) (-)

7.67

150000

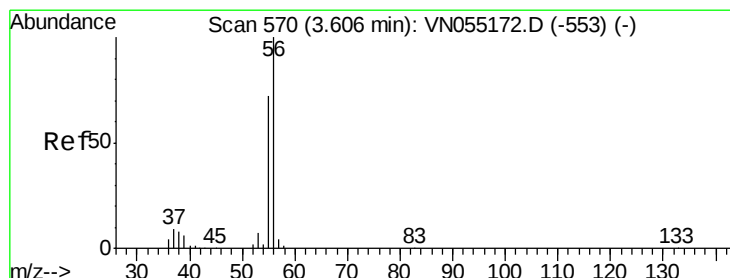
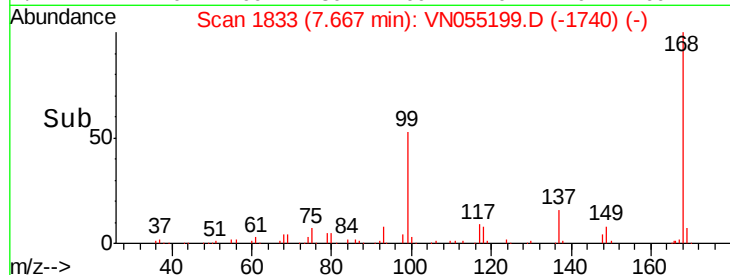
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 9.706 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055199.D

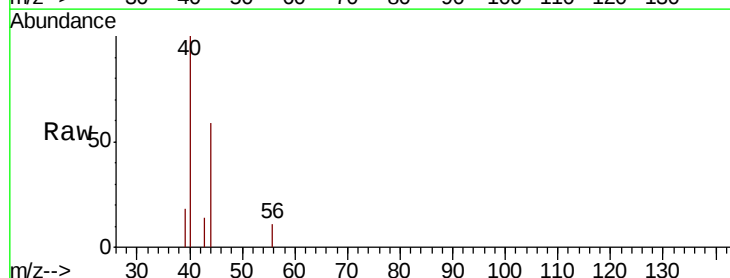
Acq: 23 Apr 2019 12:14

Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055172.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN055199.D (-477) (-)

3.61

150

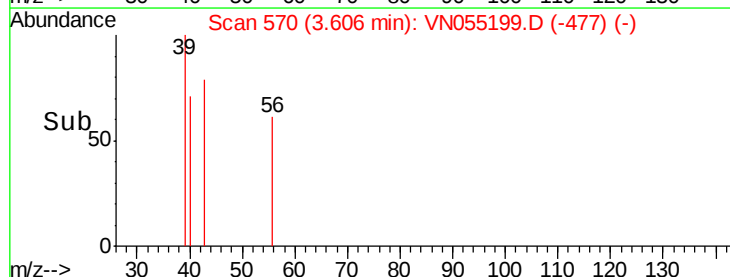
100

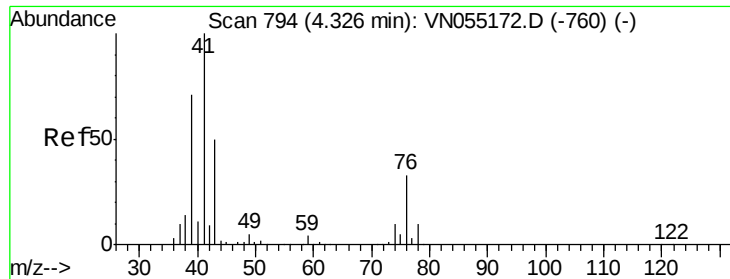
50

0

3.59 3.60 3.61 3.62

Time-->

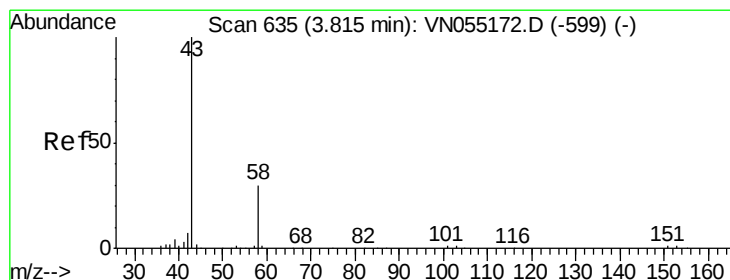
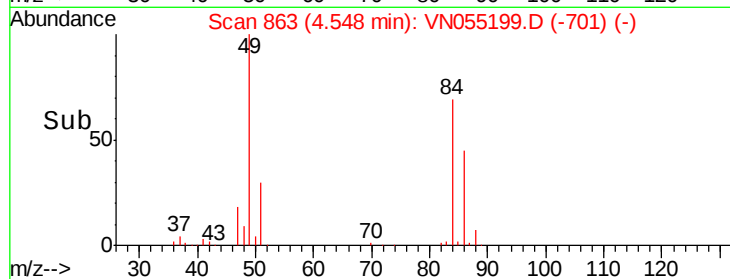
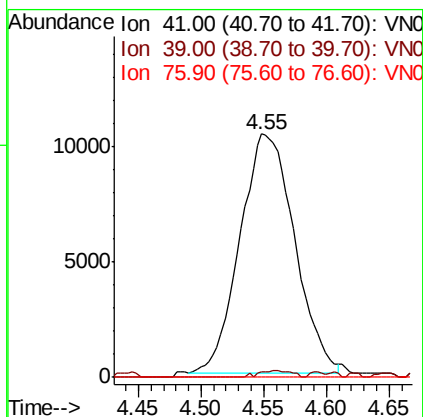
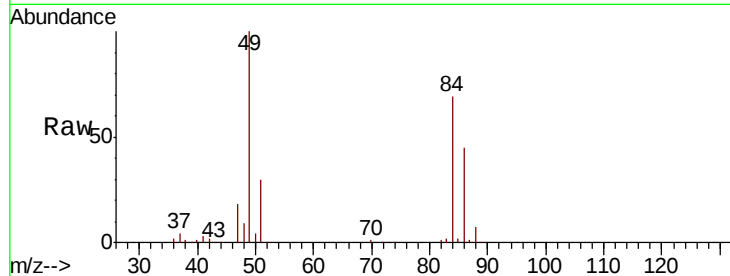




#14
 Allyl chloride
 Concen: 4.159 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.22 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

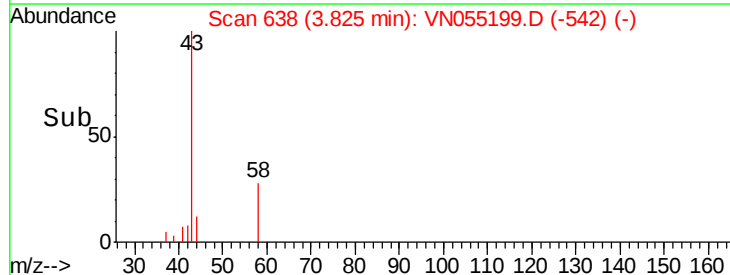
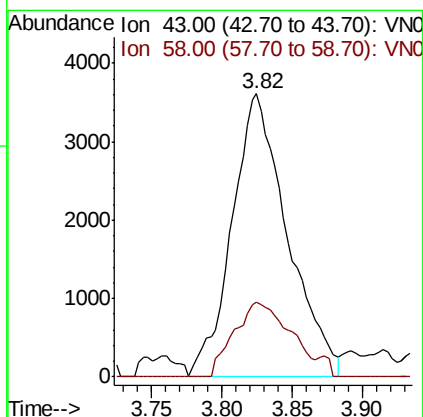
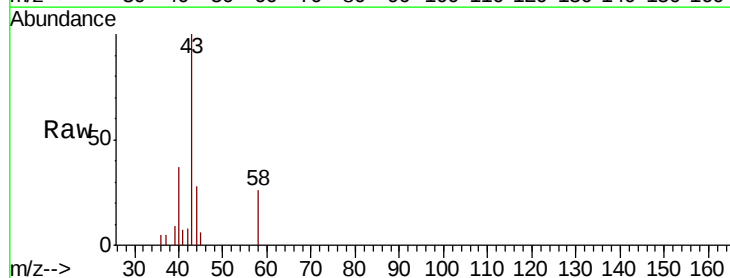
Instrument :
 MSVOA_N
 ClientSampled :
 TP-14

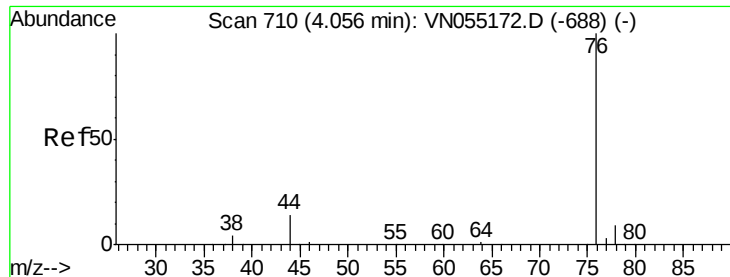
Tgt Ion: 41 Resp: 31331
 Ion Ratio Lower Upper
 41 100
 39 1.6 52.9 79.3#
 76 0.0 23.6 35.4#



#16
 Acetone
 Concen: 5.976 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Tgt Ion: 43 Resp: 9903
 Ion Ratio Lower Upper
 43 100
 58 26.2 23.8 35.8

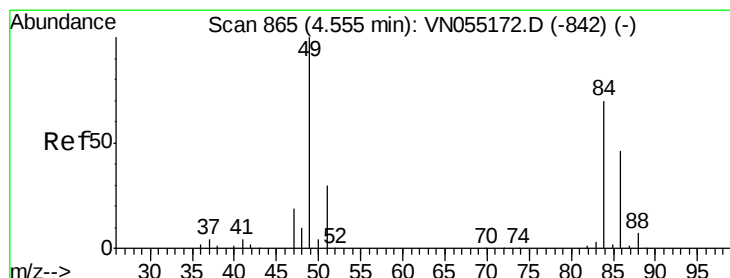
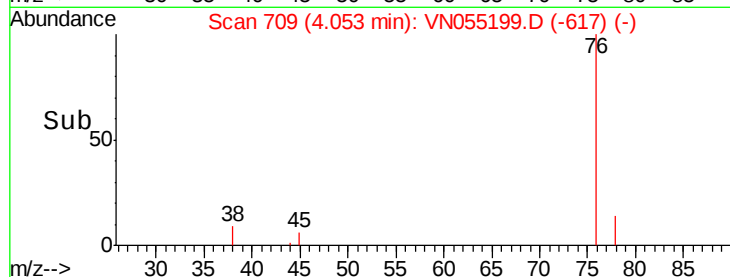
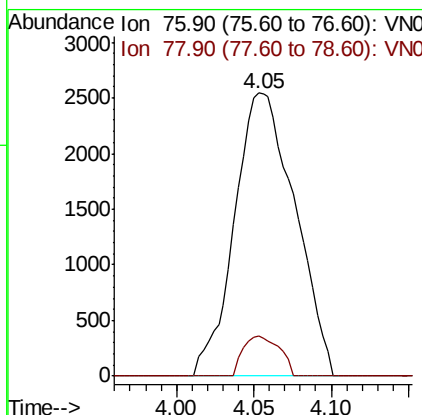
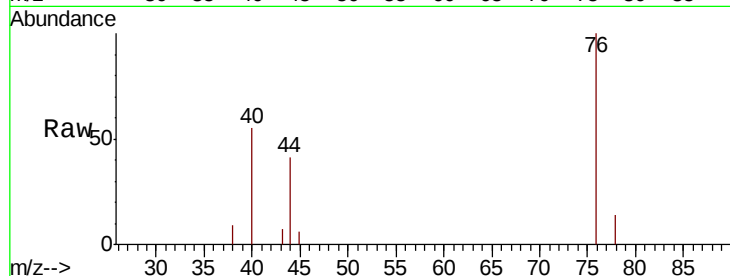




#17
Carbon Disulfide
Concen: 0.649 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055199.D
Acq: 23 Apr 2019 12:14

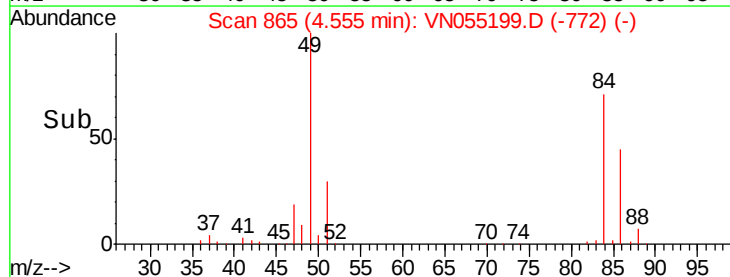
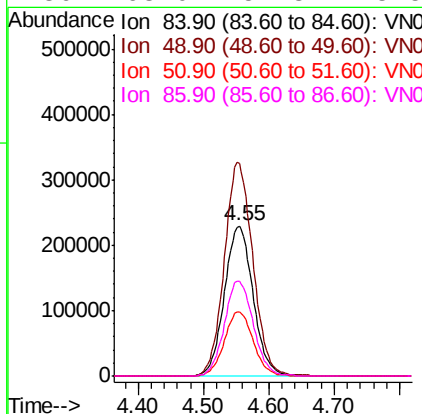
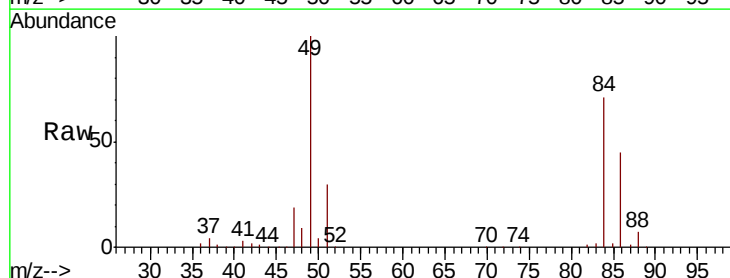
Instrument :
MSVOA_N
ClientSampleId :
TP-14

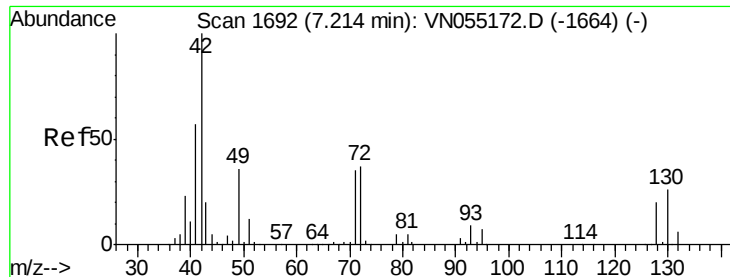
Tgt Ion: 76 Resp: 6915
Ion Ratio Lower Upper
76 100
78 14.4 7.3 10.9#



#20
Methylene Chloride
Concen: 146.496 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN055199.D
Acq: 23 Apr 2019 12:14

Tgt Ion: 84 Resp: 697962
Ion Ratio Lower Upper
84 100
49 141.0 113.8 170.6
51 42.7 34.0 51.0
86 63.0 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.979 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TP-14

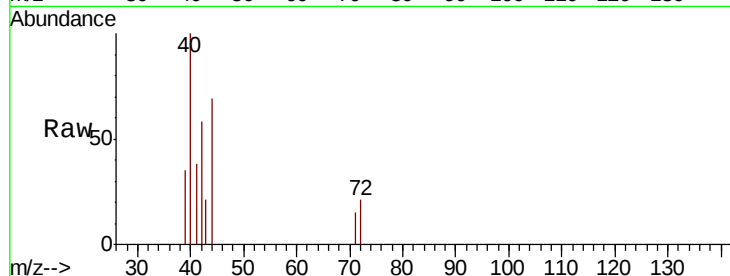
Tgt Ion: 42 Resp: 1288

Ion Ratio Lower Upper

42 100

72 44.6 29.4 44.2#

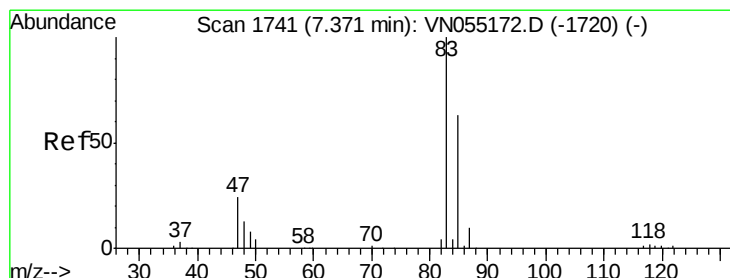
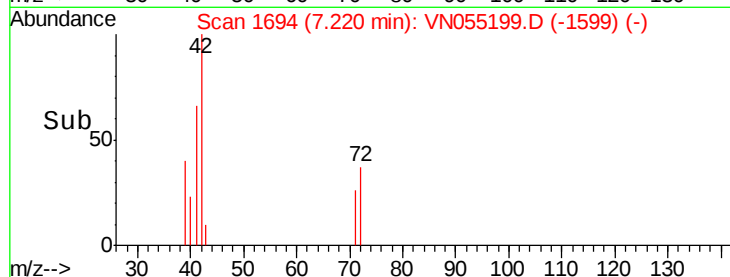
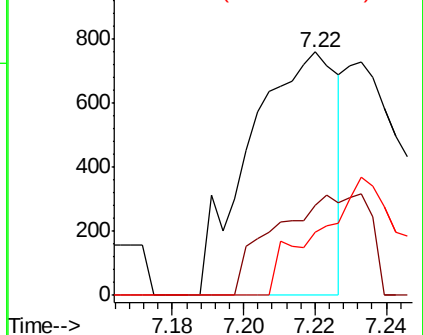
71 47.0 27.8 41.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.065 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VN055199.D

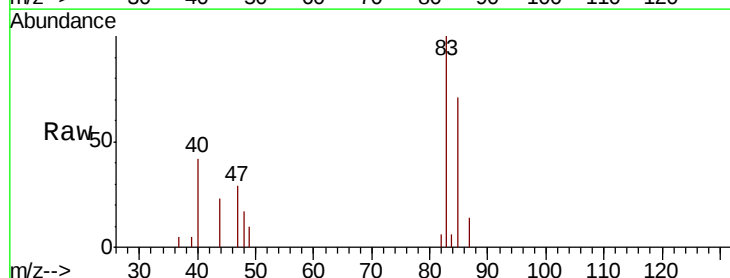
Acq: 23 Apr 2019 12:14

Tgt Ion: 83 Resp: 8183

Ion Ratio Lower Upper

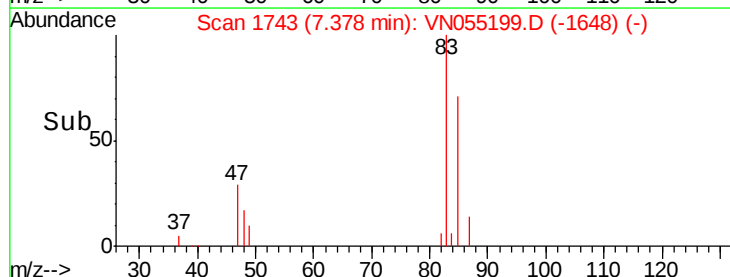
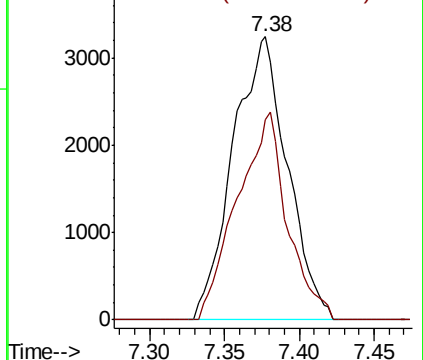
83 100

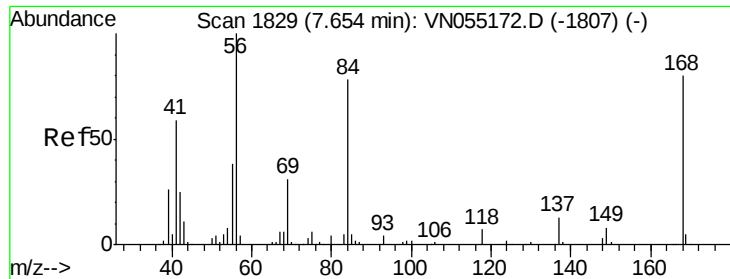
85 70.6 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

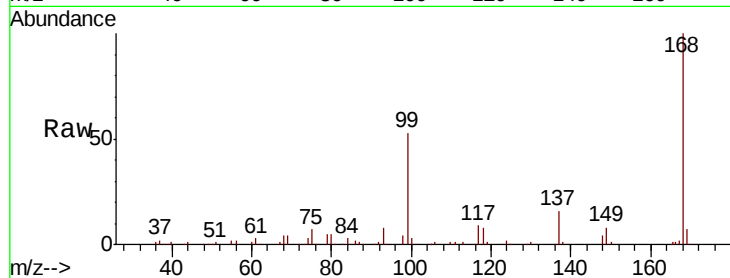




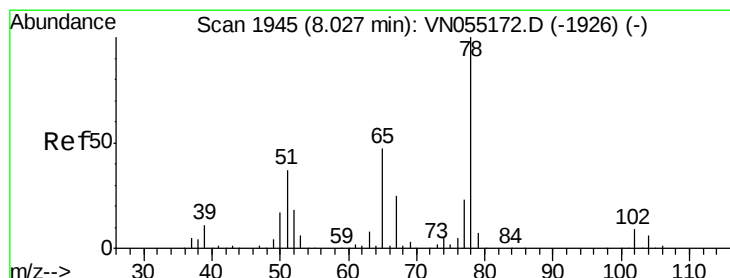
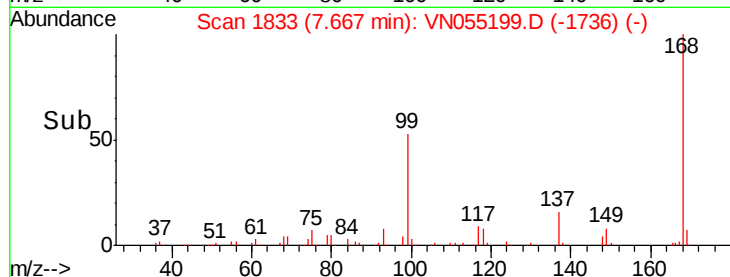
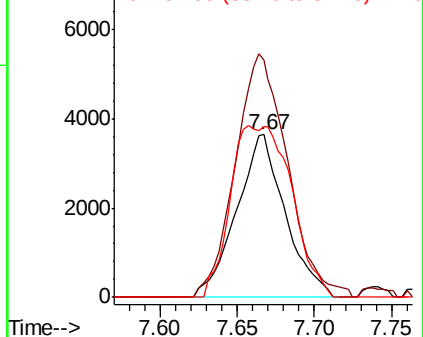
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055199.D
Acq: 23 Apr 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
TP-14

Tgt Ion: 56 Resp: 8001
Ion Ratio Lower Upper
56 100
69 145.9 24.6 37.0#
84 104.9 61.4 92.2#

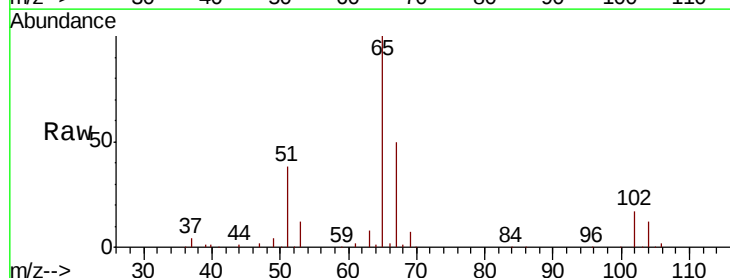


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

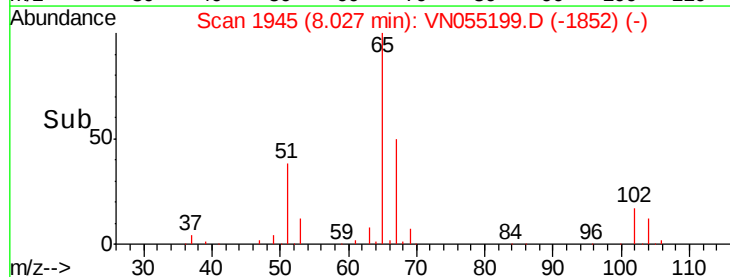
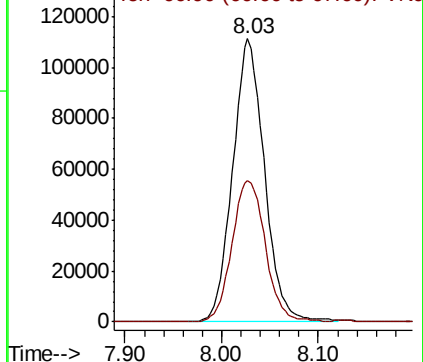


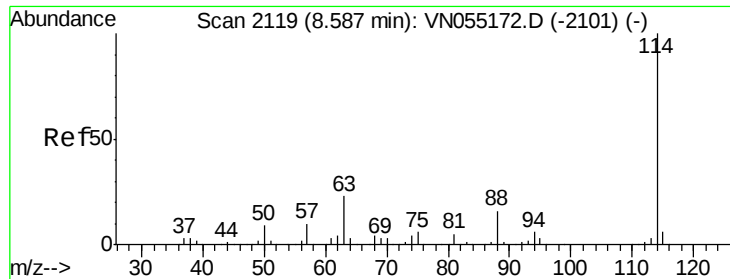
#33
1,2-Dichloroethane-d4
Concen: 50.803 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055199.D
Acq: 23 Apr 2019 12:14

Tgt Ion: 65 Resp: 254684
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.6



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

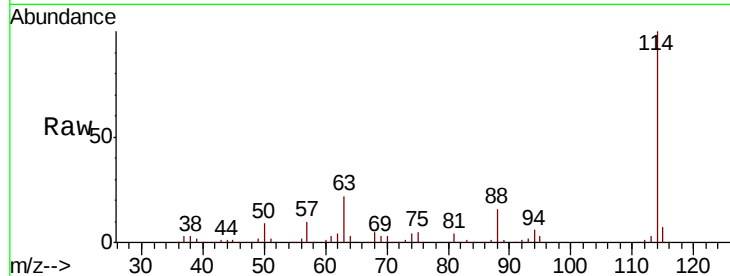




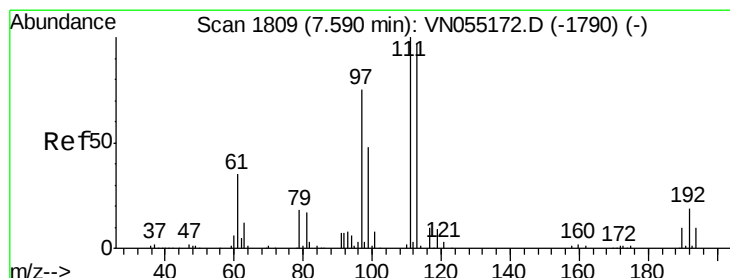
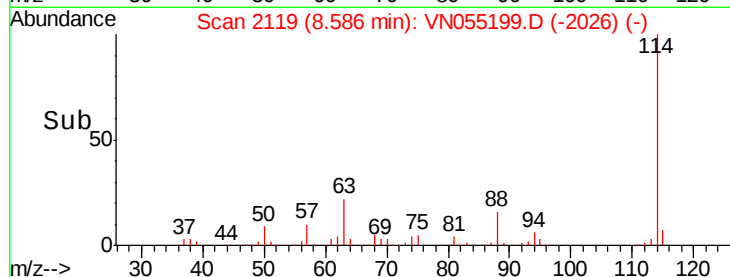
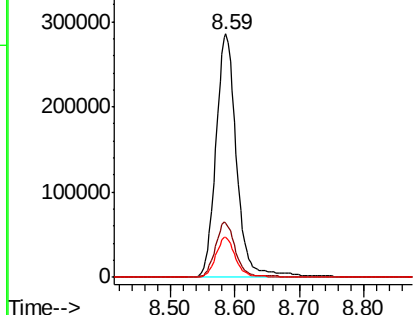
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14

Tgt Ion:114 Resp: 640099
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 16.5 0.0 32.8

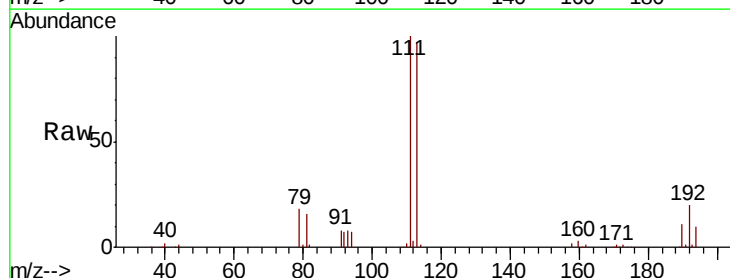


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

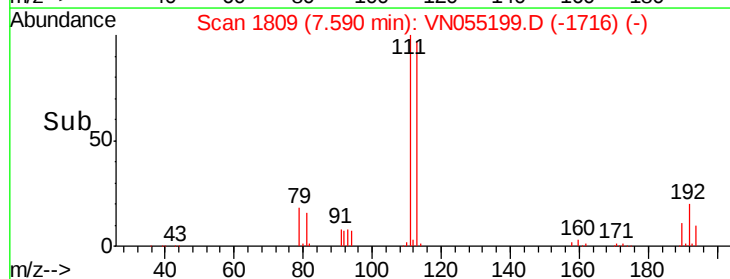
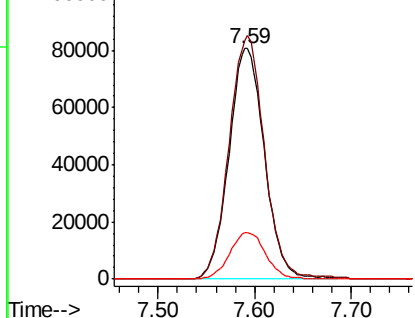


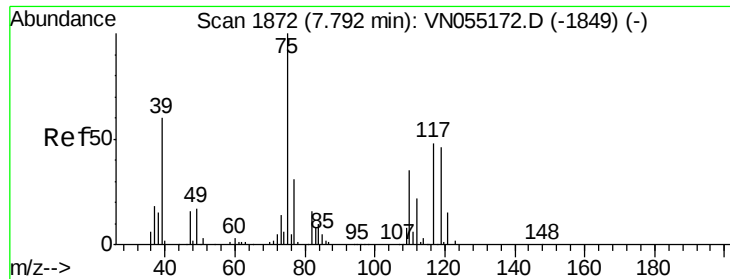
#35
 Dibromofluoromethane
 Concen: 47.436 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Tgt Ion:113 Resp: 206274
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.0 121.4
 192 20.5 16.2 24.4



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

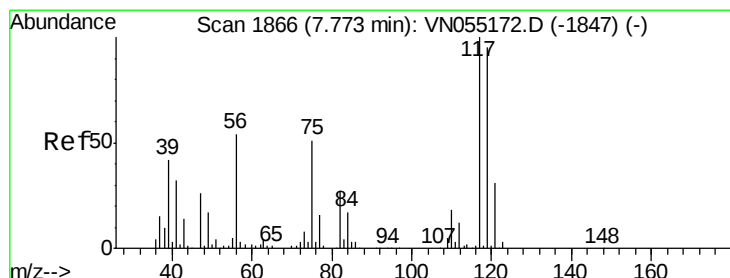
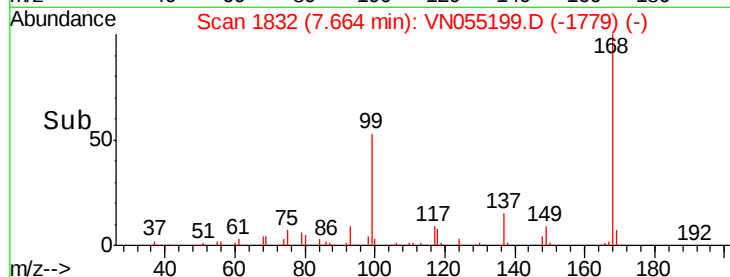
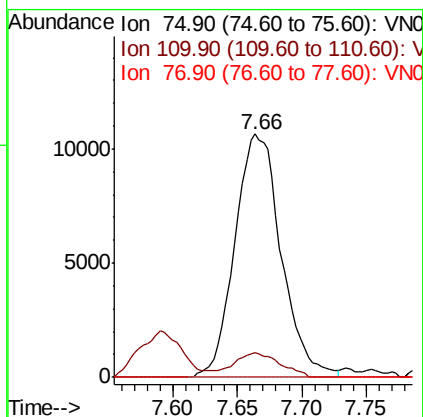
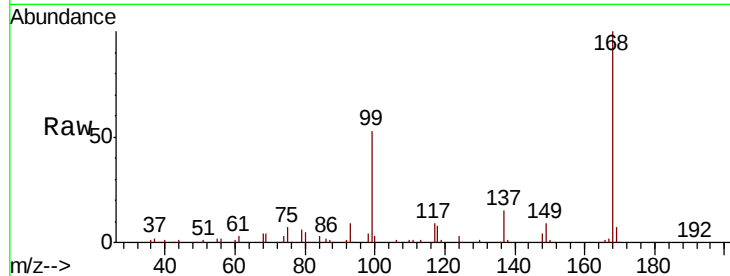




#36
 1,1-Dichloropropene
 Concen: 4.482 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

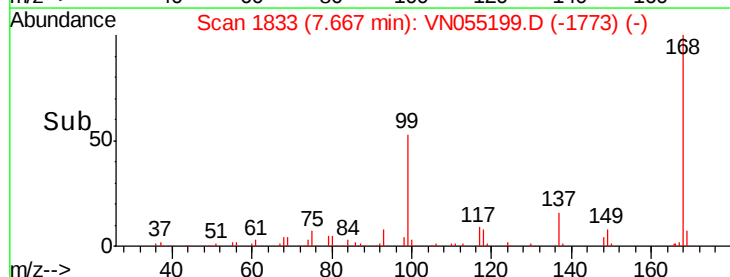
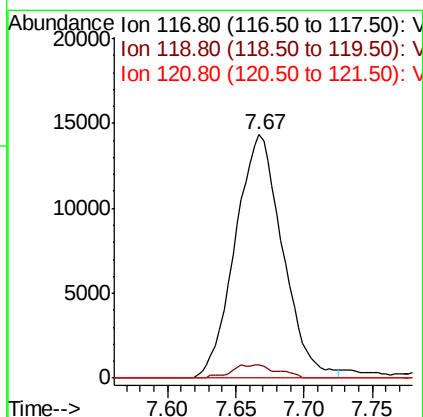
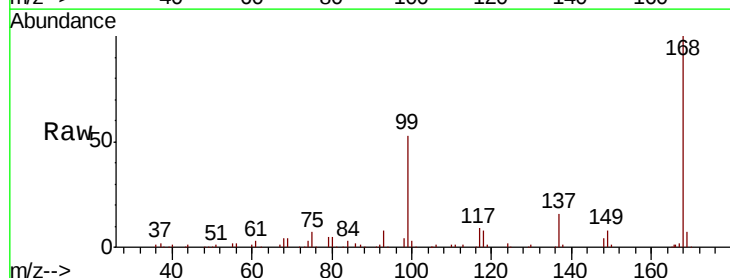
Instrument :
 MSVOA_N
 ClientSampled :
 TP-14

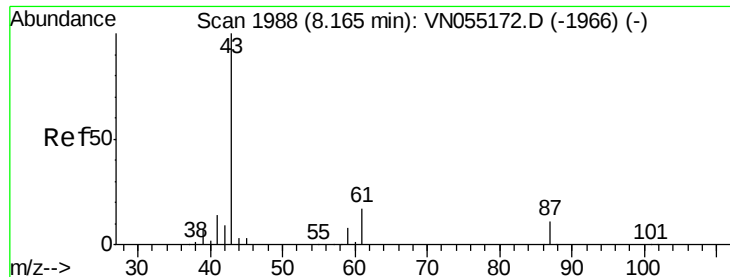
Tgt Ion: 75 Resp: 26627
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.1 51.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.233 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Tgt Ion: 117 Resp: 34677
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.0 114.0#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.885 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TP-14

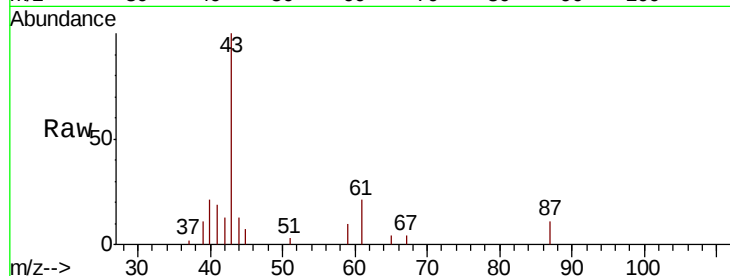
Tgt Ion: 43 Resp: 14636

Ion Ratio Lower Upper

43 100

61 20.8 20.6 30.8

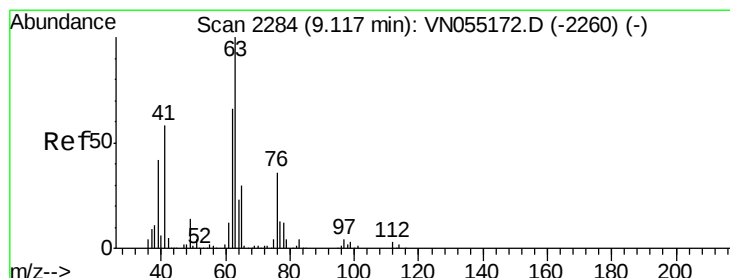
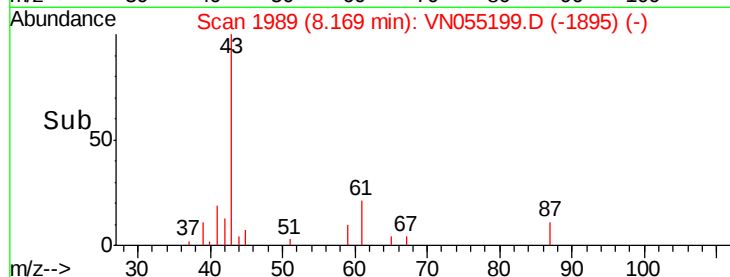
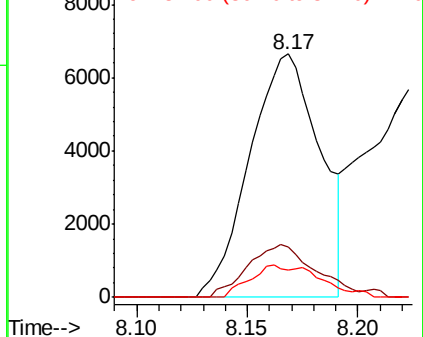
87 7.2 8.8 13.2#



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: 0.259 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN055199.D

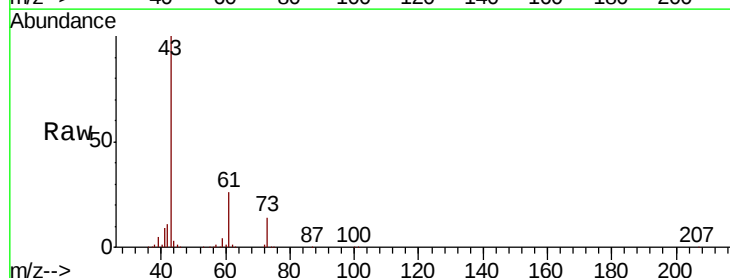
Acq: 23 Apr 2019 12:14

Tgt Ion: 63 Resp: 1343

Ion Ratio Lower Upper

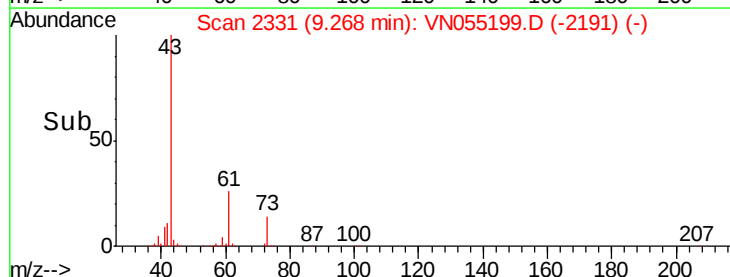
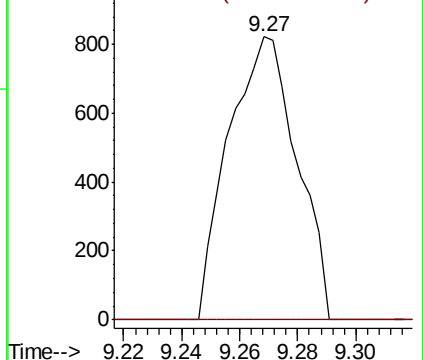
63 100

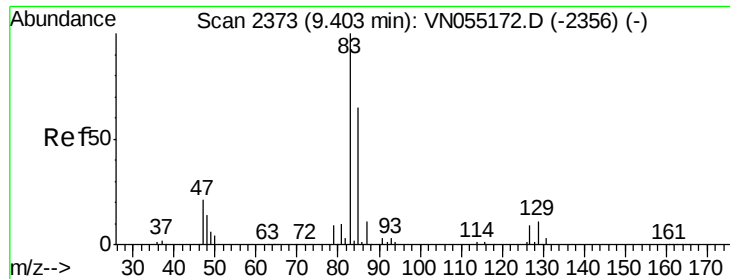
65 0.0 23.8 35.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.300 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TP-14

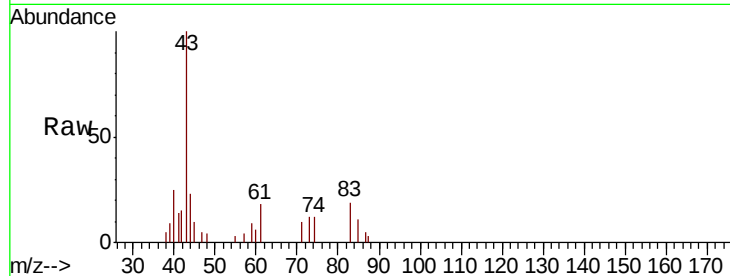
Tgt Ion: 83 Resp: 1779

Ion Ratio Lower Upper

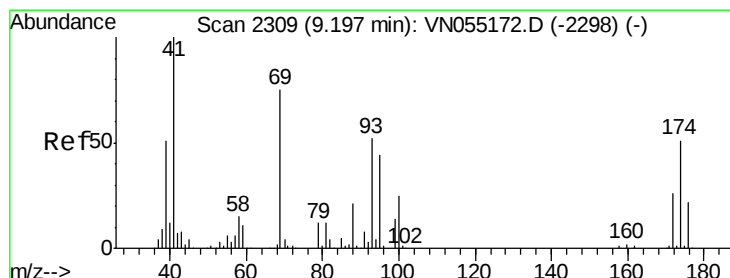
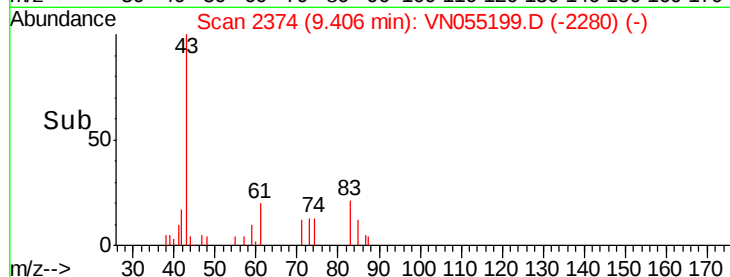
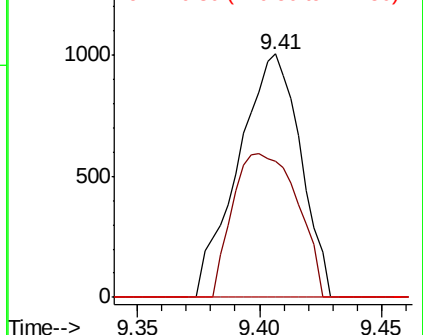
83 100

85 55.9 52.1 78.1

127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 2.182 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

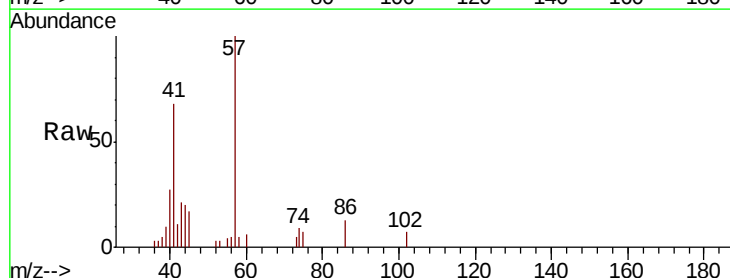
Tgt Ion: 41 Resp: 8218

Ion Ratio Lower Upper

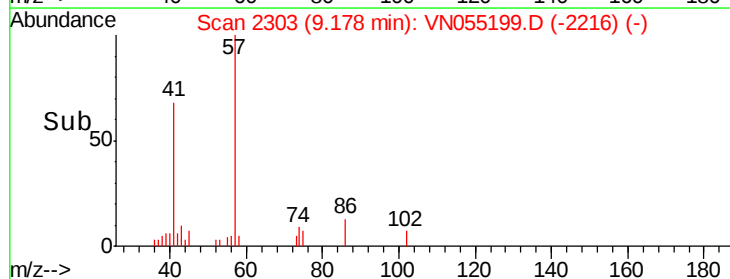
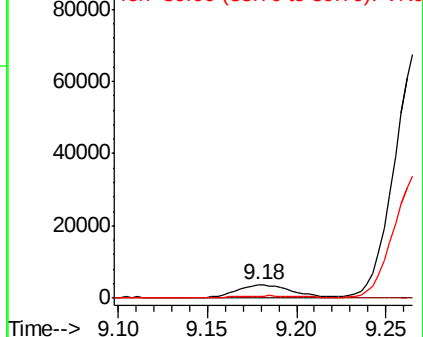
41 100

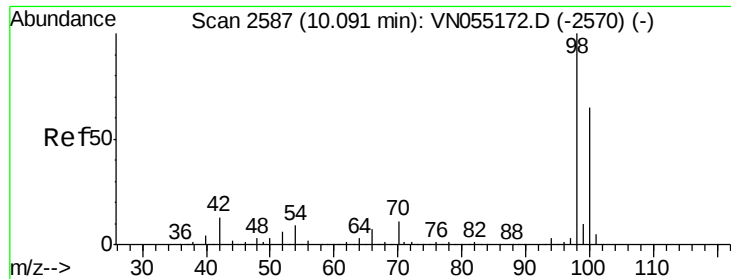
69 0.0 63.6 95.4#

39 0.0 43.8 65.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

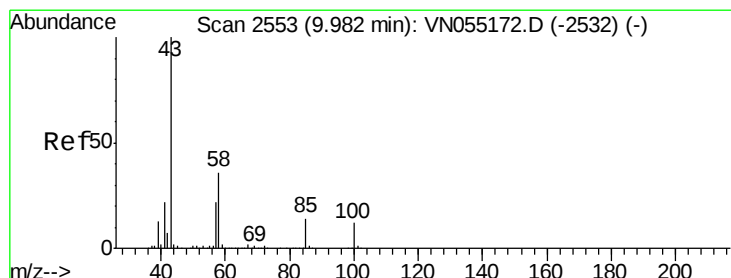
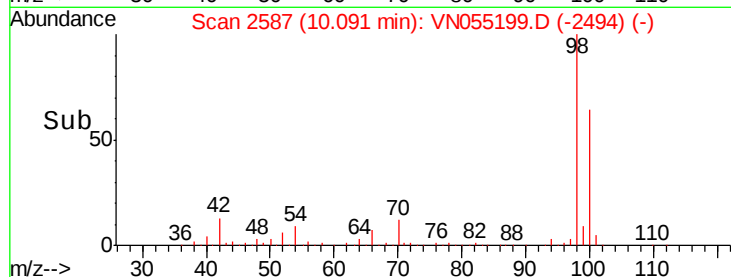
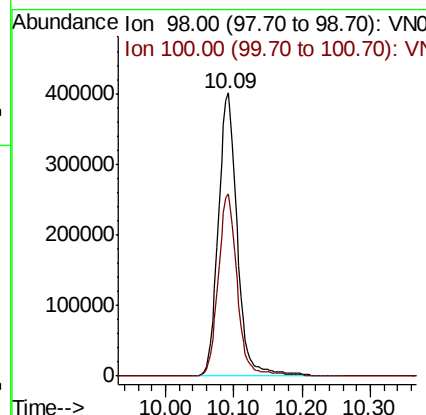
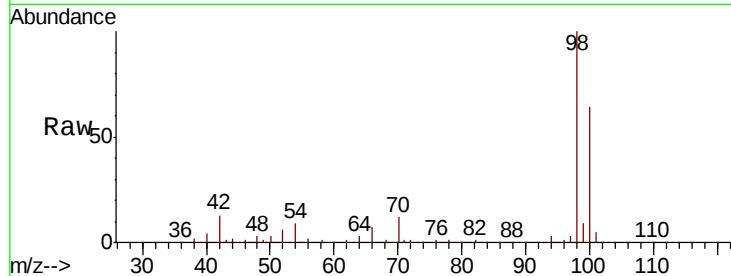




#50
Toluene-d8
Concen: 48.032 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055199.D
Acq: 23 Apr 2019 12:14

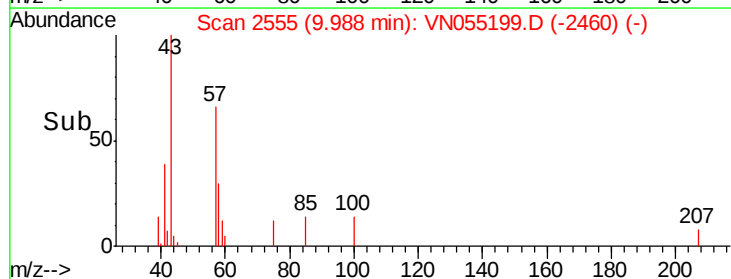
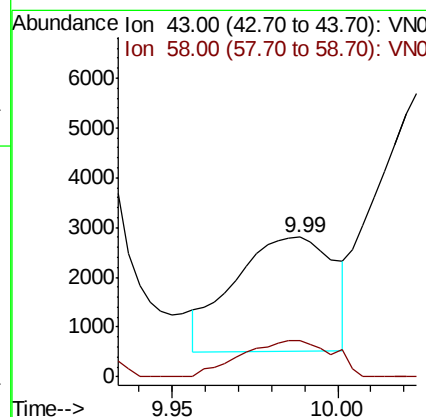
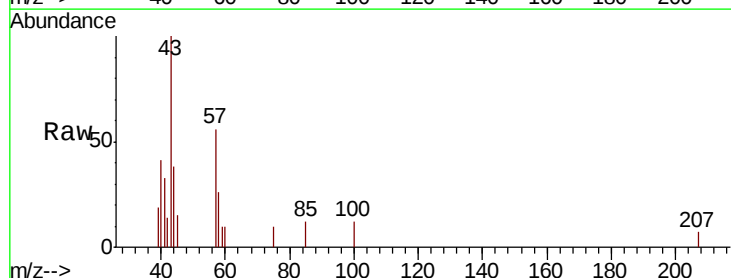
Instrument :
MSVOA_N
ClientSampled :
TP-14

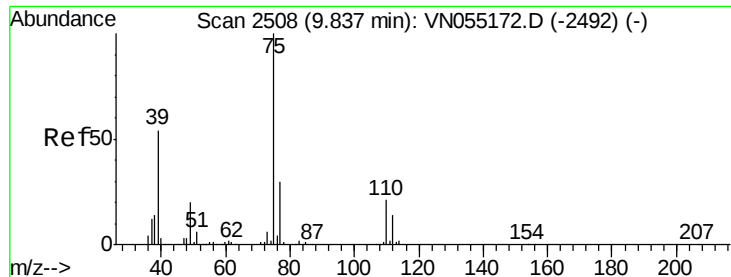
Tgt Ion: 98 Resp: 773880
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.078 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.01 min
Lab File: VN055199.D
Acq: 23 Apr 2019 12:14

Tgt Ion: 43 Resp: 4817
Ion Ratio Lower Upper
43 100
58 28.9 28.3 42.5





#54

cis-1,3-Dichloropropene

Concen: 7.792 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TP-14

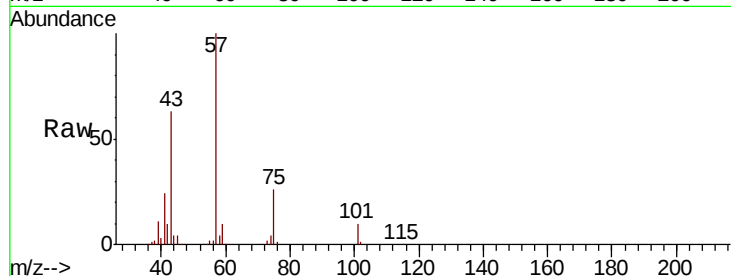
Tgt Ion: 75 Resp: 52645

Ion Ratio Lower Upper

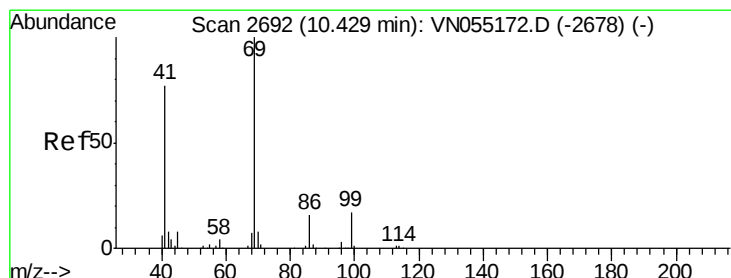
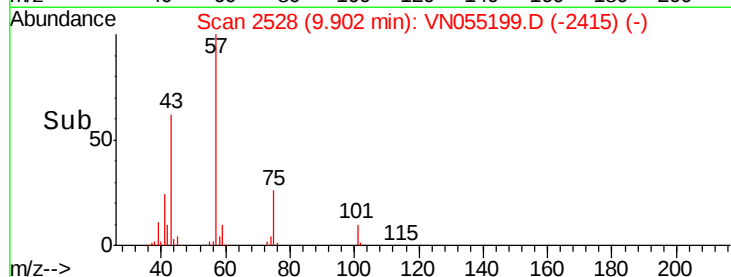
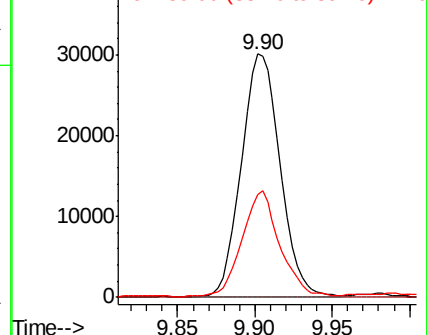
75 100

77 0.0 24.3 36.5#

39 41.9 43.0 64.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 0.258 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

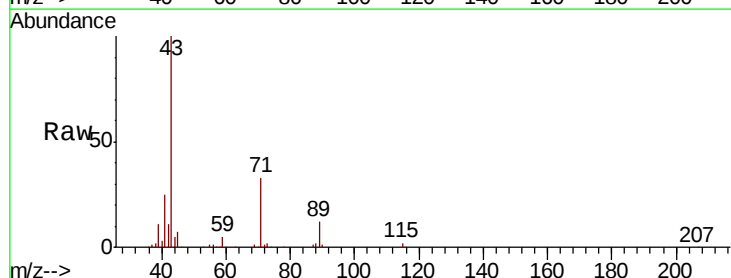
Tgt Ion: 69 Resp: 1272

Ion Ratio Lower Upper

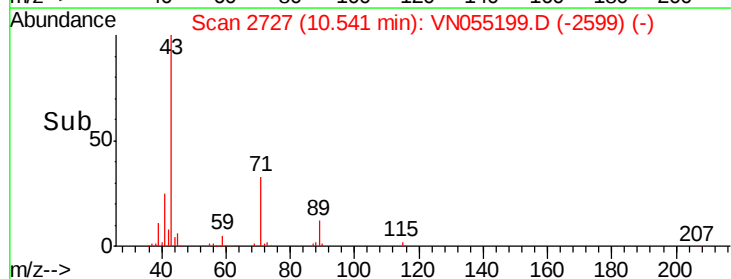
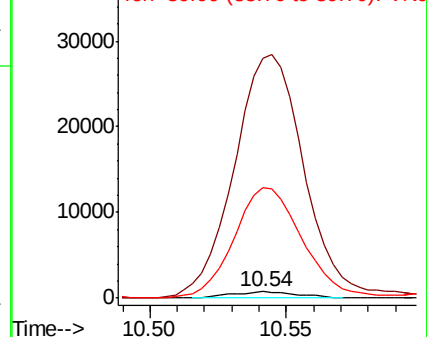
69 100

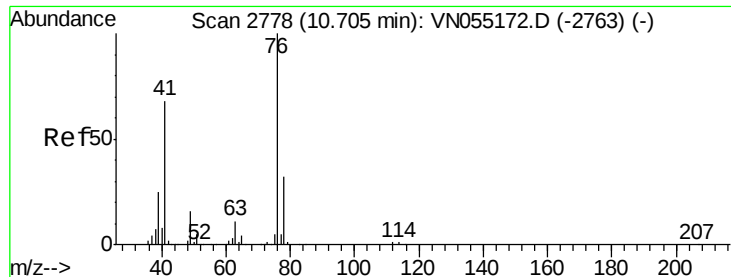
41 4021.9 60.6 90.8#

39 1769.7 31.7 47.5#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.484 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

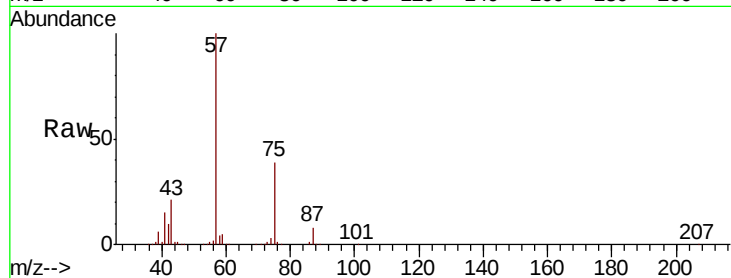
TP-14

Tgt Ion: 76 Resp: 10232

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

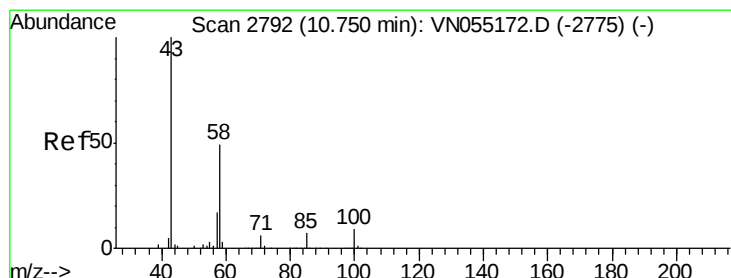
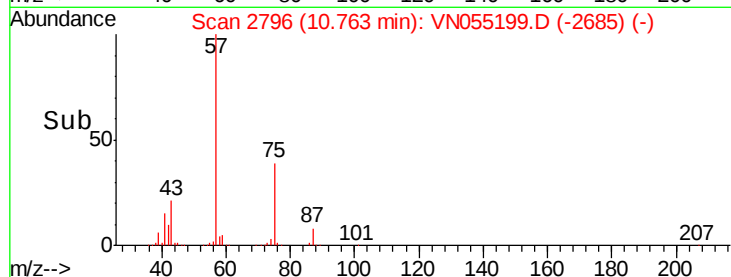
6000

4000

2000

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 60.739 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055199.D

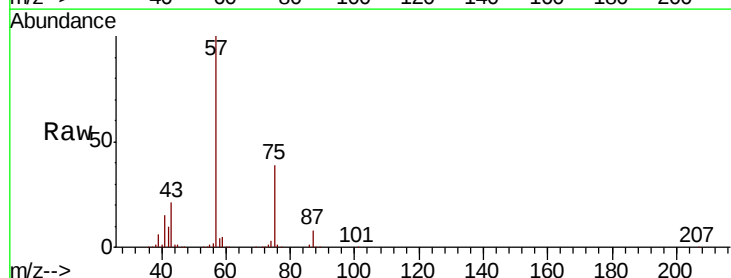
Acq: 23 Apr 2019 12:14

Tgt Ion: 43 Resp: 171407

Ion Ratio Lower Upper

43 100

58 18.8 24.5 73.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

120000

100000

80000

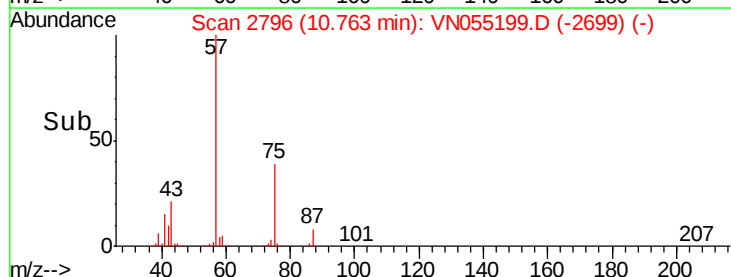
60000

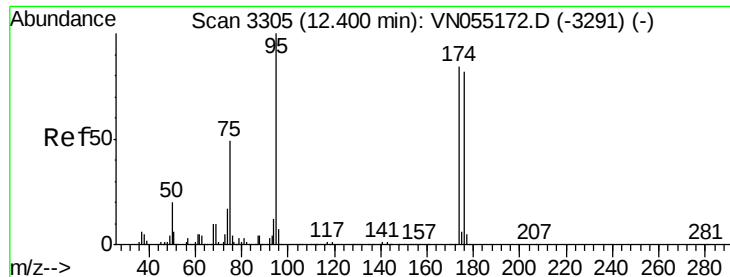
40000

20000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 46.572 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TP-14

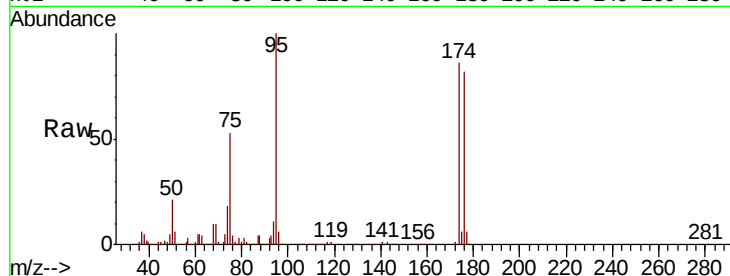
Tgt Ion: 95 Resp: 237619

Ion Ratio Lower Upper

95 100

174 85.1 0.0 168.4

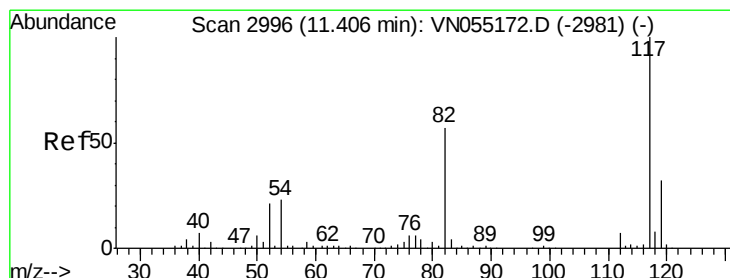
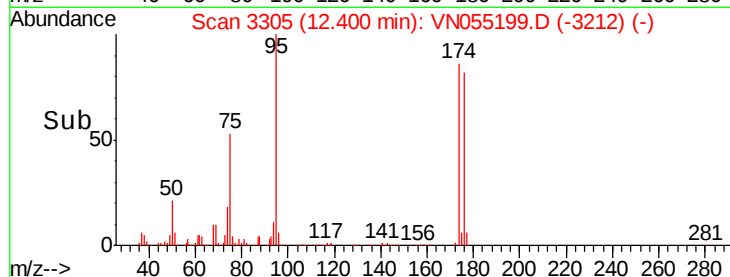
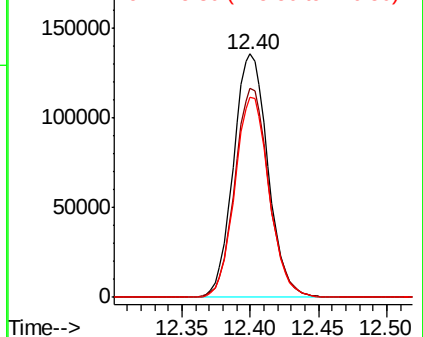
176 81.9 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055199.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055199.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055199.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

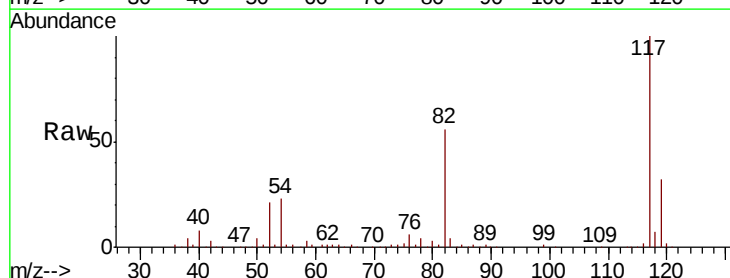
Tgt Ion: 117 Resp: 572748

Ion Ratio Lower Upper

117 100

82 55.9 45.7 68.5

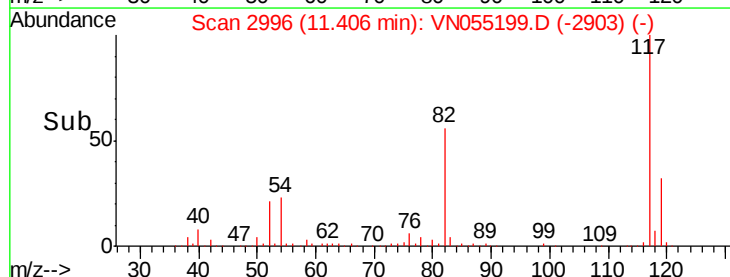
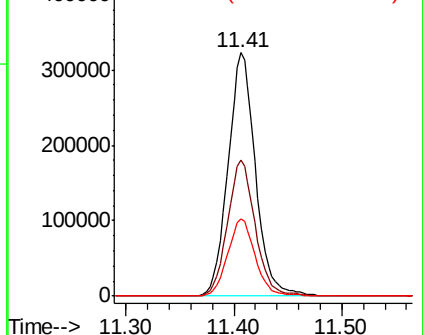
119 31.8 25.4 38.2

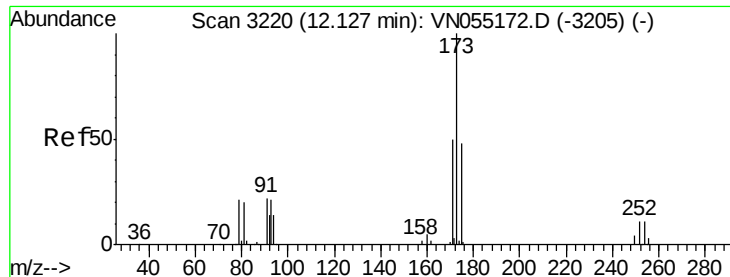


Abundance Ion 116.90 (116.60 to 117.60): VN055199.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055199.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055199.D (-2903) (-)





#71

Bromoform

Concen: 0.209 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TP-14

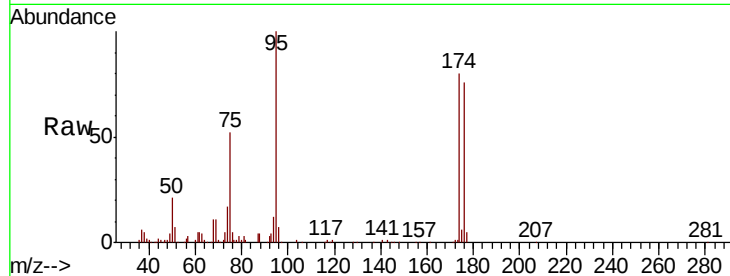
Tgt Ion:173 Resp: 541

Ion Ratio Lower Upper

173 100

175 2479.1 23.8 71.2#

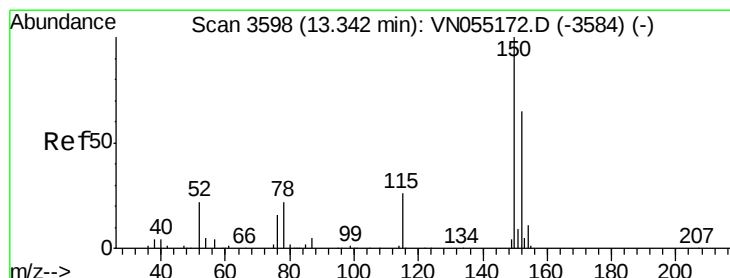
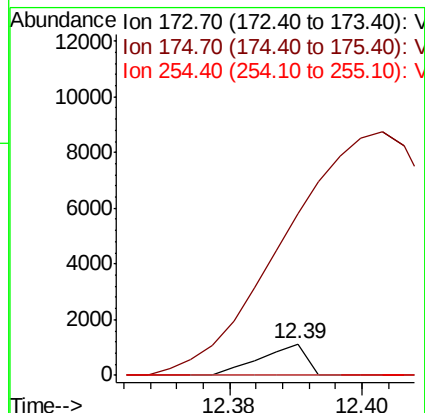
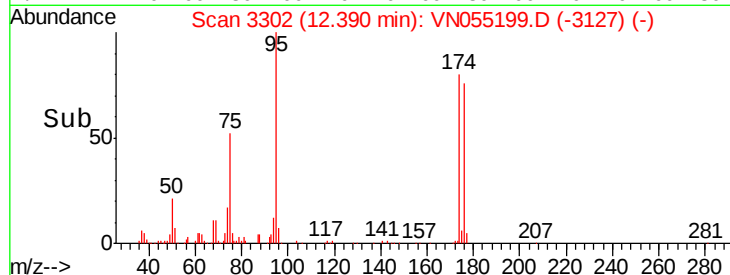
254 0.0 0.1 0.1#



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# 3598

Delta R.T. 0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

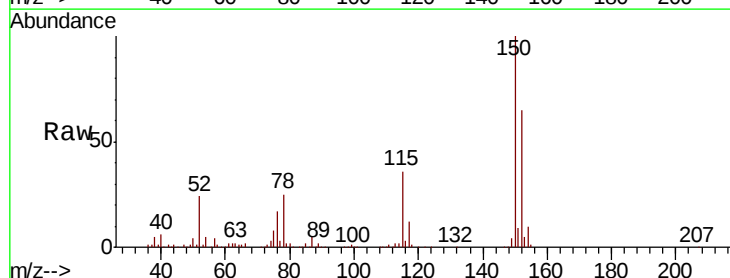
Tgt Ion:152 Resp: 172332

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

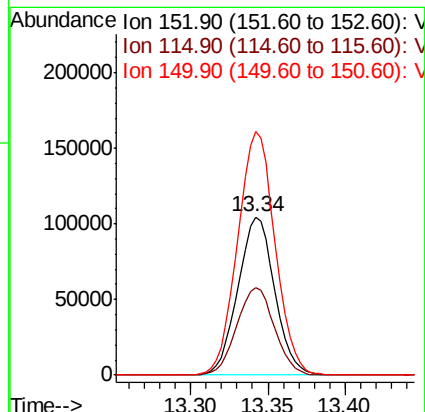
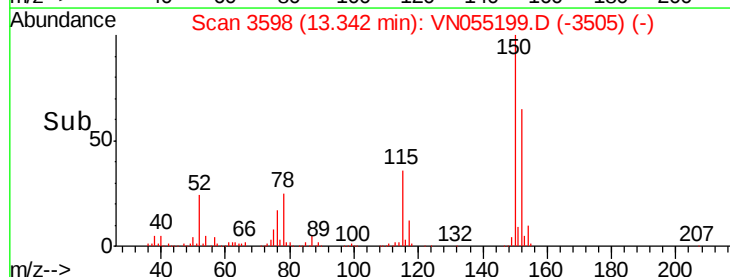
150 157.3 0.0 346.6

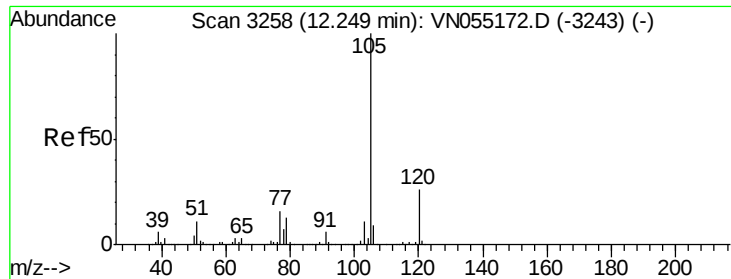


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3261

Delta R.T. 0.01 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

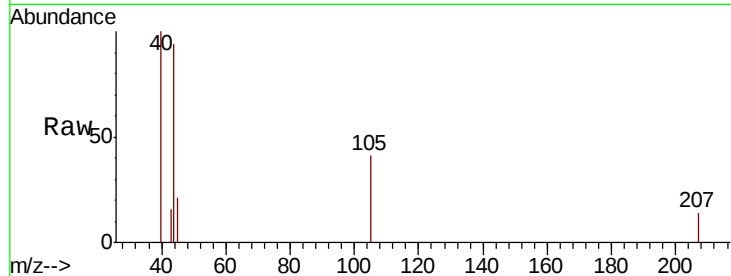
TP-14

Tgt Ion:105 Resp: 682

Ion Ratio Lower Upper

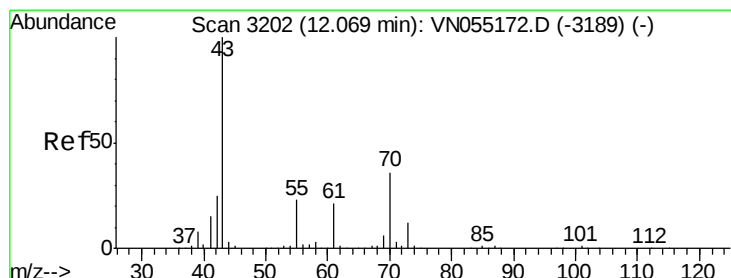
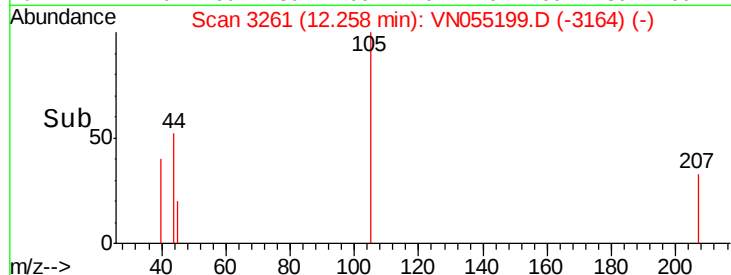
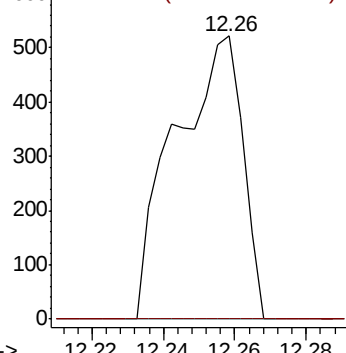
105 100

120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.577 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Tgt Ion: 43 Resp: 15895

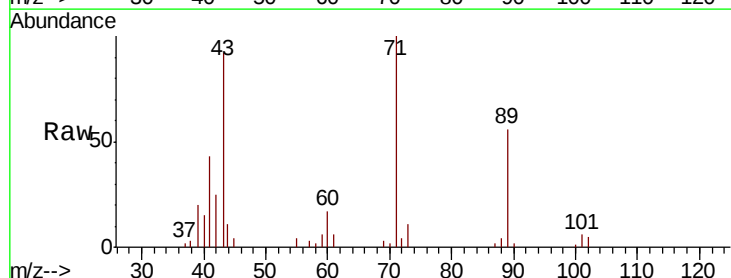
Ion Ratio Lower Upper

43 100

70 1.3 29.0 43.6#

55 4.1 18.5 27.7#

61 5.0 17.0 25.4#

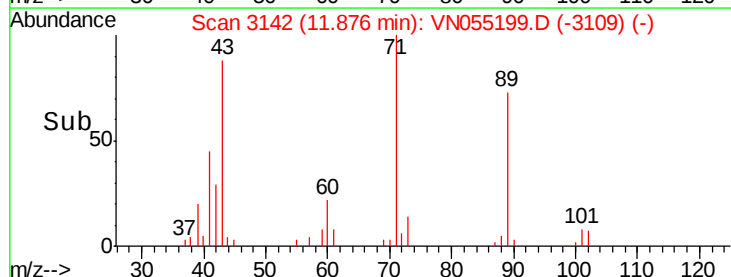
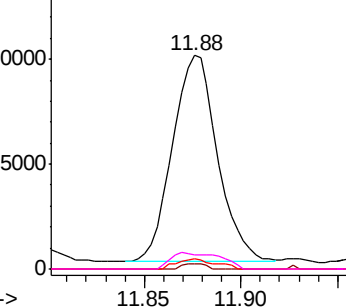


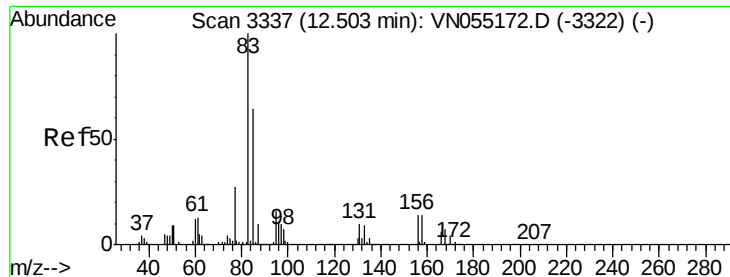
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TP-14

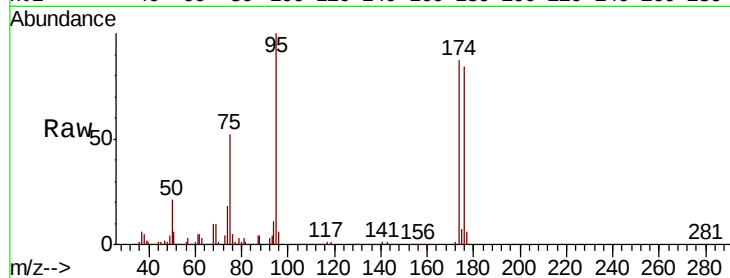
Tgt Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

131 88.4 5.0 15.0#

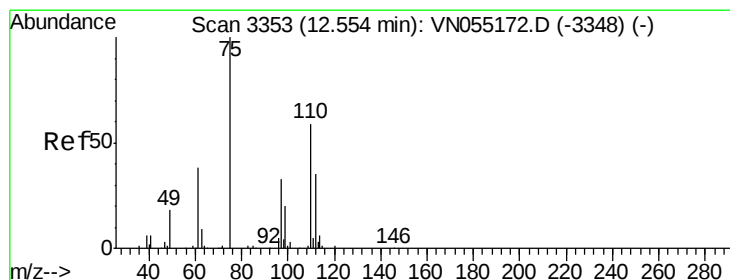
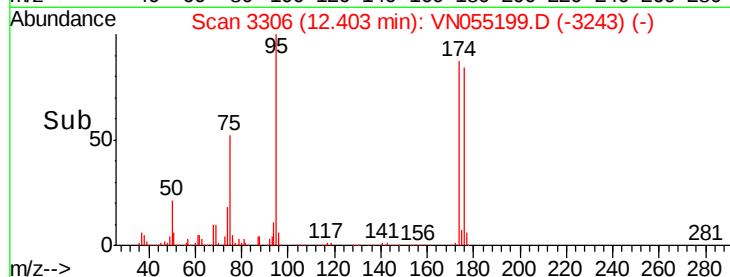
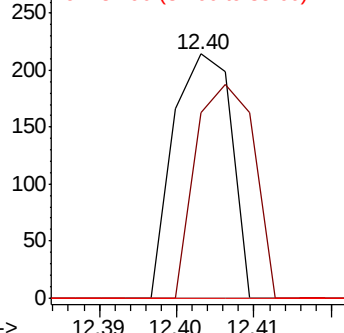
85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.369 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055199.D

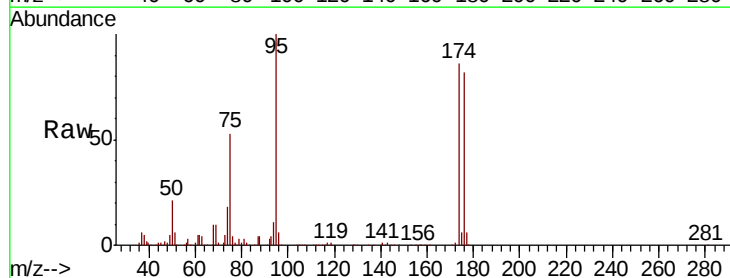
Acq: 23 Apr 2019 12:14

Tgt Ion: 75 Resp: 123656

Ion Ratio Lower Upper

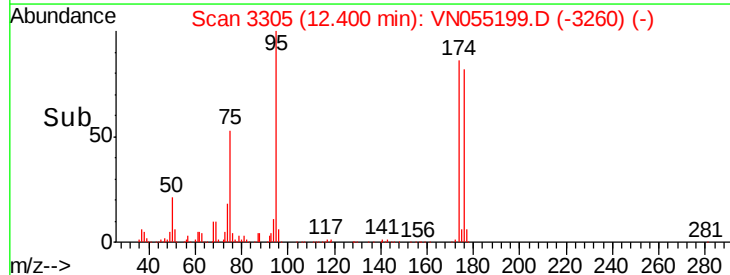
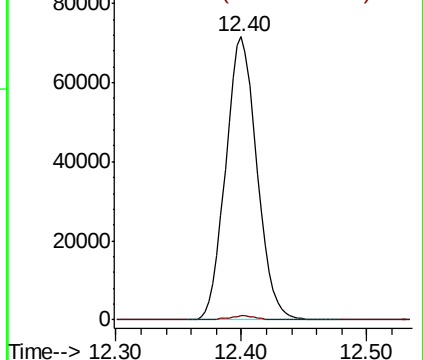
75 100

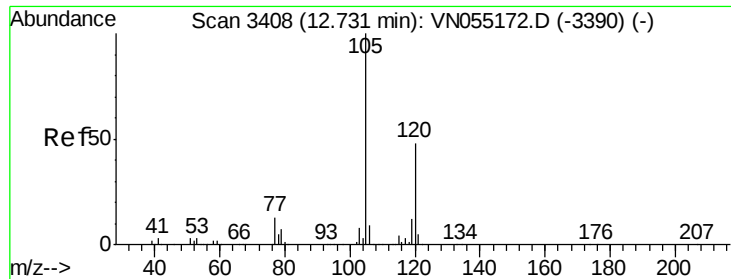
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

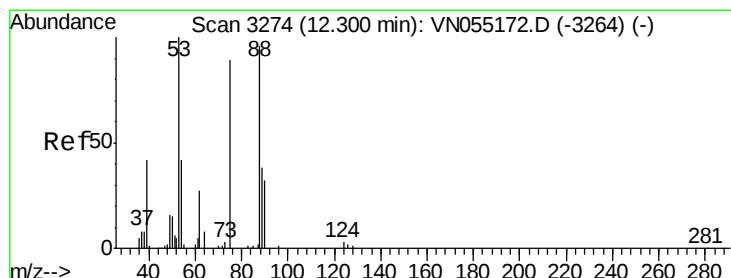
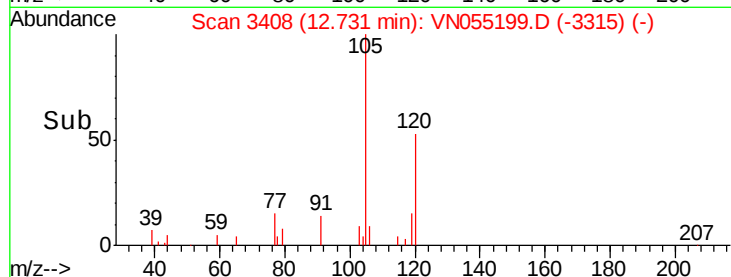
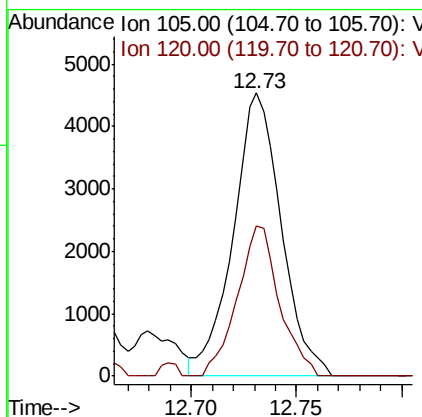
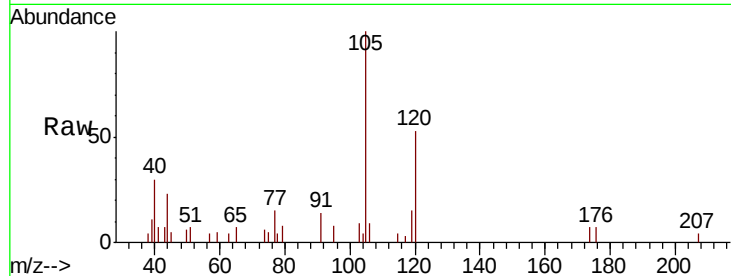




#80
 1,3,5-Trimethylbenzene
 Concen: 0.555 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

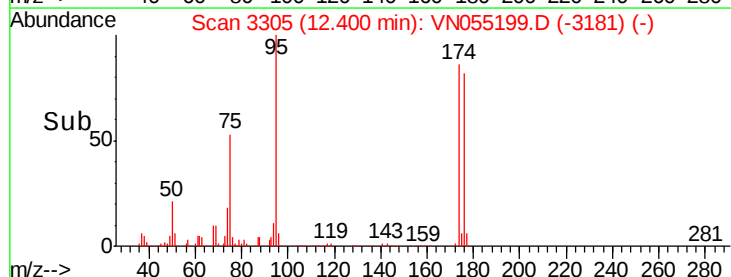
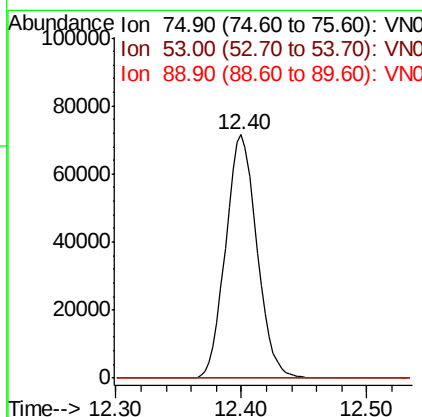
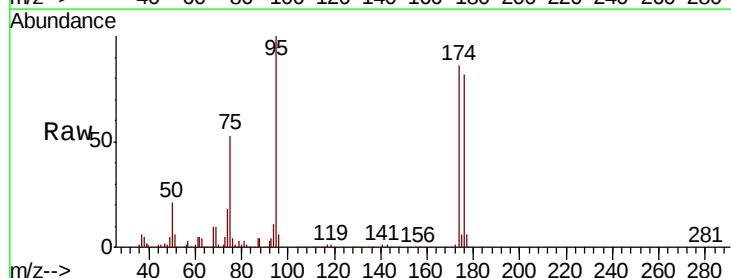
Instrument :
 MSVOA_N
 ClientSampled :
 TP-14

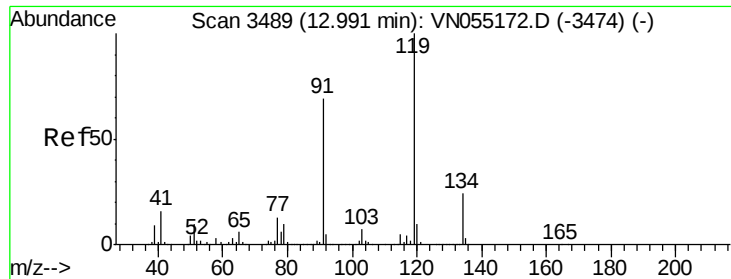
Tgt Ion: 105 Resp: 7159
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.078 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Tgt Ion: 75 Resp: 123656
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 36.7 55.1#

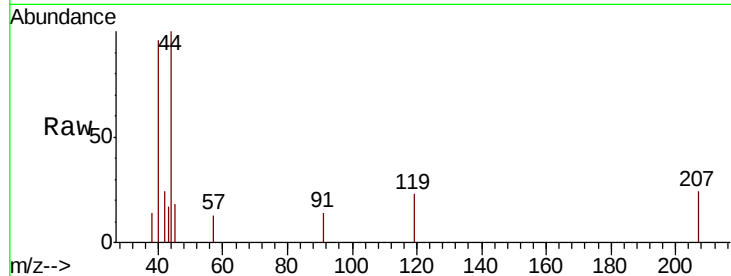




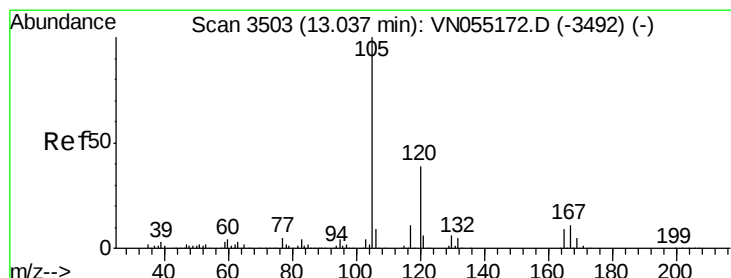
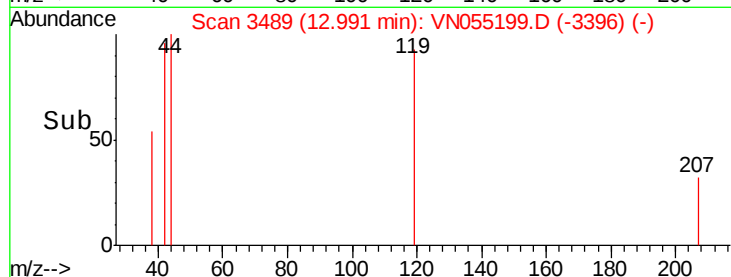
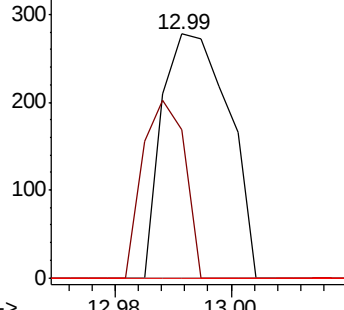
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 TP-14

Tgt Ion:119 Resp: 220
 Ion Ratio Lower Upper
 119 100
 91 45.9 33.8 101.3
 134 0.0 13.2 39.5#

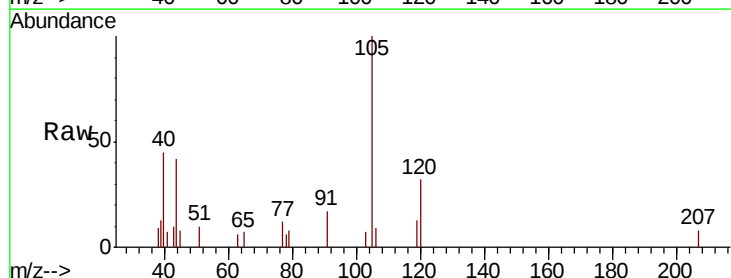


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

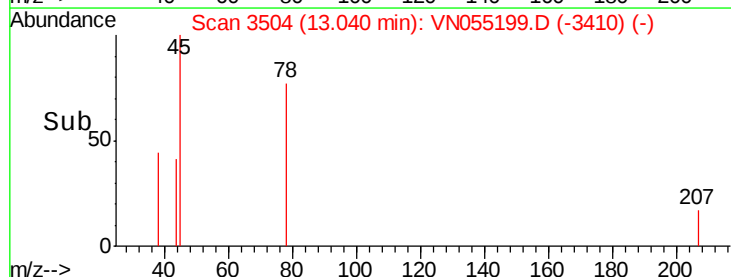
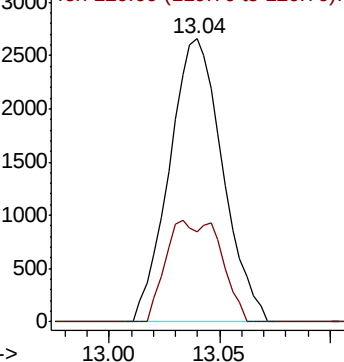


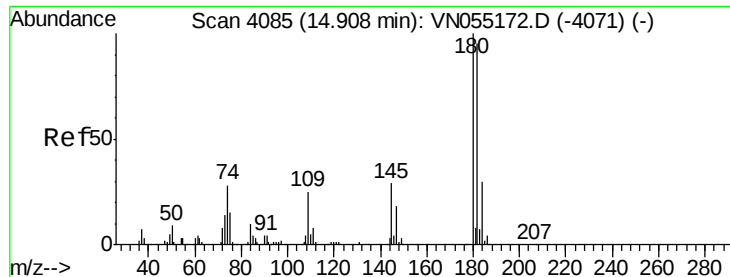
#84
 1,2,4-Trimethylbenzene
 Concen: 0.366 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Tgt Ion:105 Resp: 4456
 Ion Ratio Lower Upper
 105 100
 120 21.4 22.7 68.1#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

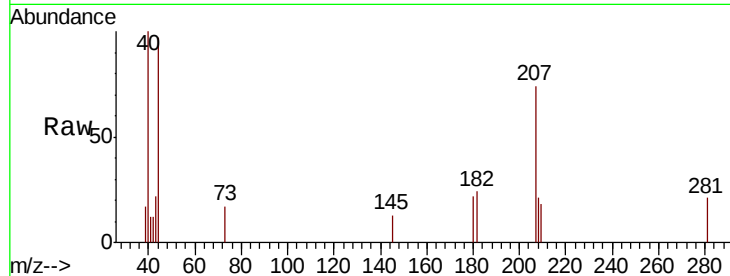




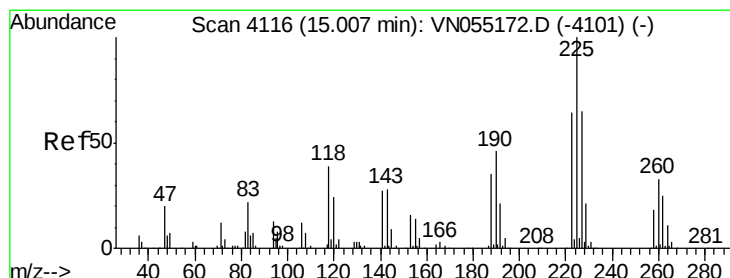
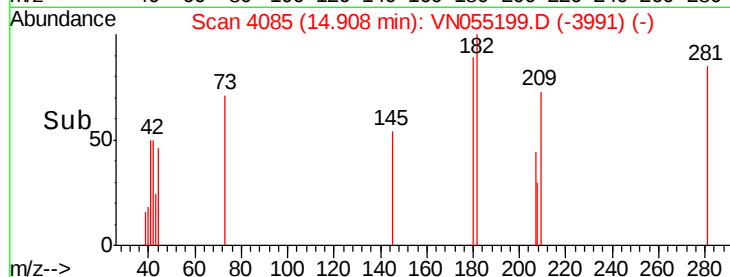
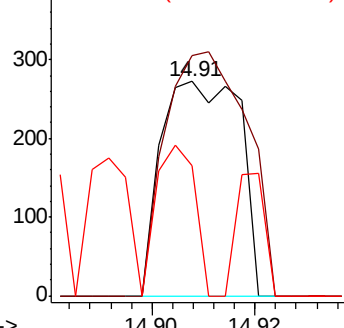
#93
 1,2,4-Trichlorobenzene
 Concen: 2.845 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 TP-14

Tgt Ion:180 Resp: 287
 Ion Ratio Lower Upper
 180 100
 182 117.8 47.8 143.4
 145 34.5 14.5 43.5

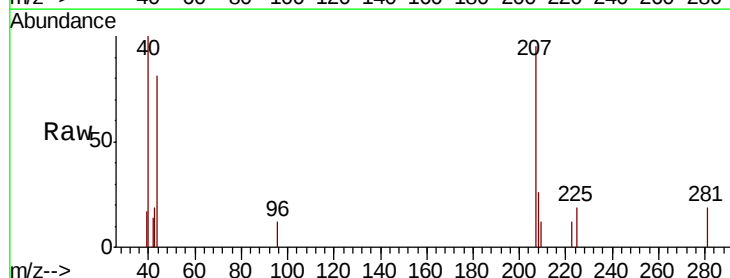


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

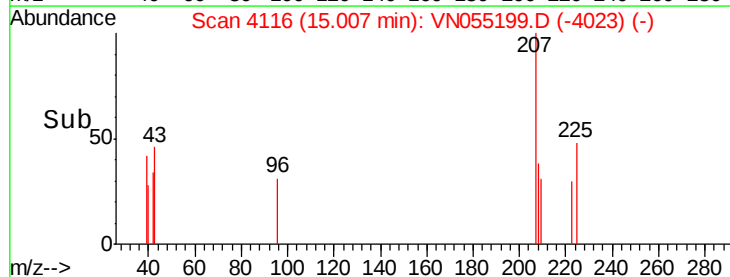
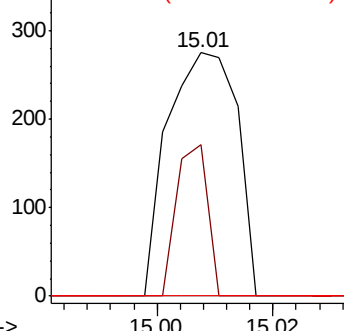


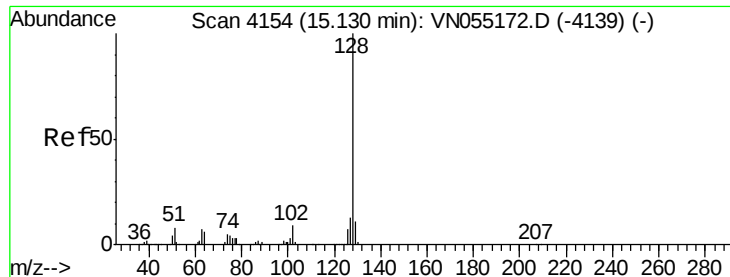
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055199.D
 Acq: 23 Apr 2019 12:14

Tgt Ion:225 Resp: 228
 Ion Ratio Lower Upper
 225 100
 223 27.6 32.2 96.6#
 227 0.0 32.6 98.0#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.339 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TP-14

Tgt Ion:128 Resp: 5636

Ion Ratio Lower Upper

128 100

127 11.9

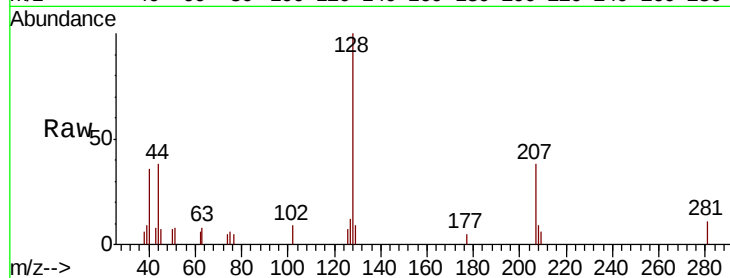
10.3

15.5

129 6.9

8.8

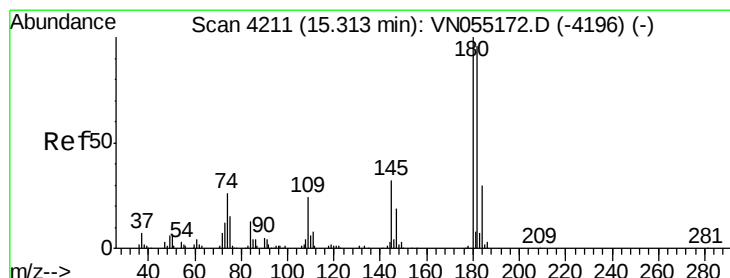
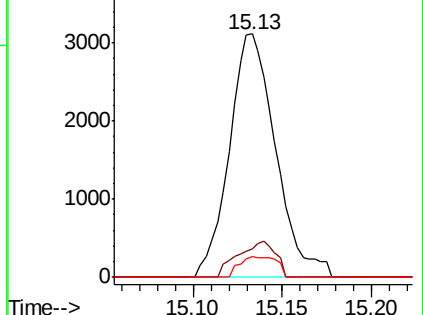
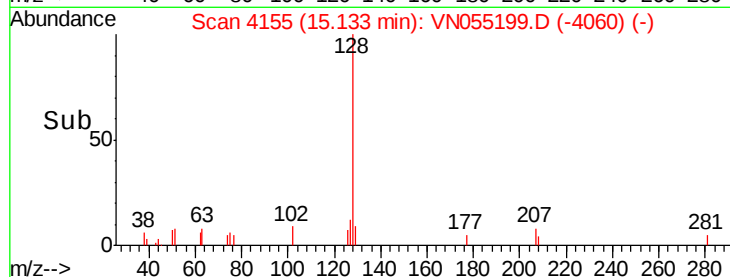
13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.198 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055199.D

Acq: 23 Apr 2019 12:14

Tgt Ion:180 Resp: 196

Ion Ratio Lower Upper

180 100

182 128.6

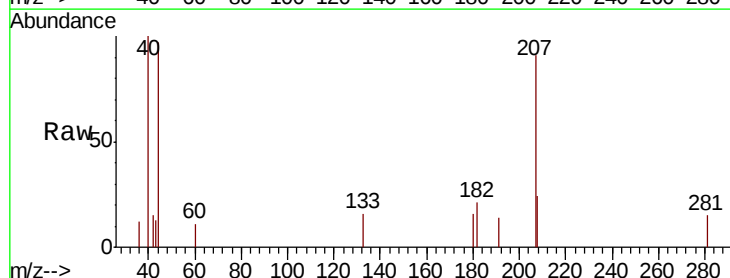
47.2

141.6

145 0.0

15.4

46.1#



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

