

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052449.D
 Acq On : 21 Nov 2018 20:03
 Operator : MD\SY
 Sample : J5996-05 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 00:01:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	328935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	543756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	239248	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	175339	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.09	98	694306	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	230270	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
13) Acrolein	3.57	56	19175	69.074	ug/l #	1
14) Allyl chloride	4.43	41	33266	4.785	ug/l #	17
15) Acrylonitrile	5.06	53	2178	1.555	ug/l #	17
16) Acetone	3.81	43	8883	6.944	ug/l #	65
18) Methyl Acetate	4.41	43	6915	2.344	ug/l #	57
20) Methylene Chloride	4.55	84	33922	8.130	ug/l	98
25) 2-Butanone	6.81	43	721	0.400	ug/l #	52
30) Chloroform	7.33	83	4579	0.632	ug/l #	20
31) Cyclohexane	7.66	56	38282	4.454	ug/l #	79
36) 1,1-Dichloropropene	7.67	75	30819	5.655	ug/l #	52
38) Carbon Tetrachloride	7.67	117	36786	7.347	ug/l #	16
39) Methylcyclohexane	9.08	83	17978	2.890	ug/l #	81
40) Benzene	8.04	78	2680550	172.165	ug/l	98
41) Methacrylonitrile	7.20	41	953	4.097	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	18003	3.243	ug/l	92
43) Isopropyl Acetate	8.21	43	65994	8.647	ug/l #	67
45) 1,2-Dichloropropane	9.13	63	1486	0.336	ug/l #	86
48) Methyl methacrylate	9.22	41	4117	1.063	ug/l #	45
51) 4-Methyl-2-Pentanone	10.02	43	12332	3.210	ug/l #	87
52) Toluene	10.16	92	7103050	762.620	ug/l	98
53) t-1,3-Dichloropropene	10.16	75	97895	18.492	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	3297	0.976	ug/l #	35
56) Ethyl methacrylate	10.41	69	1696	0.382	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.72	63	9878	3.907	ug/l #	52
59) 2-Hexanone	10.72	43	2808	1.063	ug/l #	30
61) 1,2-Dibromoethane	11.01	107	42851	12.741	ug/l	96
67) Ethyl Benzene	11.51	91	1253245	71.988	ug/l	100
68) m/p-Xylenes	11.62	106	1401260	220.294	ug/l	96
69) o-Xylene	11.95	106	687474	112.749	ug/l	96
70) Styrene	11.95	104	36437	3.732	ug/l #	1
73) Isopropylbenzene	12.25	105	57116	3.547	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	7257	2.135	ug/l #	100
78) n-propylbenzene	12.59	91	185508	9.850	ug/l	98
79) 2-Chlorotoluene	12.65	91	83401	7.580	ug/l #	41

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

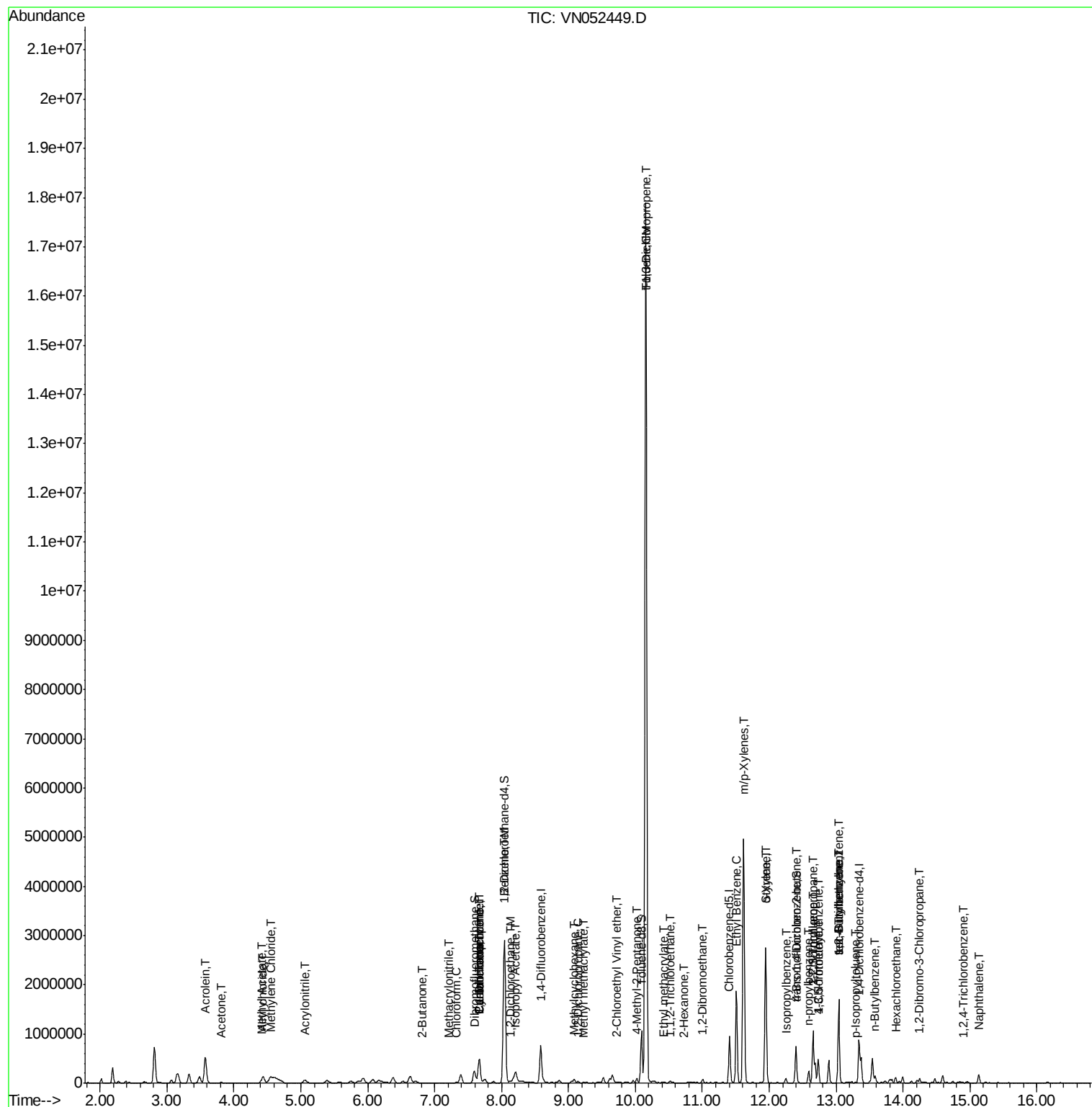
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	244724	19.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134665	128.510	ug/l #	5
82) 4-Chlorotoluene	12.73	91	28889	2.563	ug/l #	41
83) tert-Butylbenzene	13.04	119	108496	9.596	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.04	105	899581	69.972	ug/l	98
85) sec-Butylbenzene	13.04	105	899581	58.408	ug/l #	58
86) p-Isopropyltoluene	13.29	119	3314	0.254	ug/l #	72
89) n-Butylbenzene	13.58	91	5912	0.528	ug/l #	1
90) Hexachloroethane	13.89	117	6308	2.730	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.25	75	505	0.880	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	32	2.267	ug/l #	1
95) Naphthalene	15.13	128	132155	20.272	ug/l	99

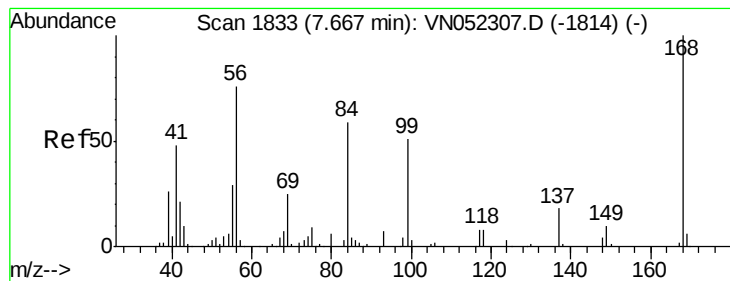
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

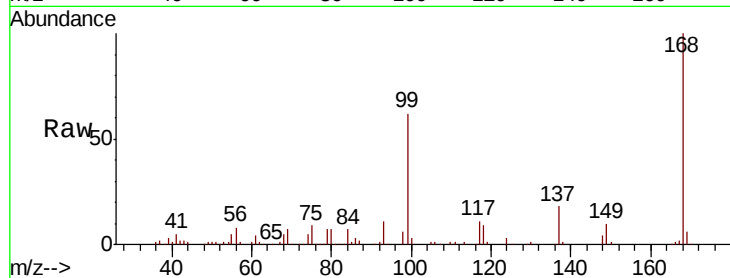
ClientSampleId :

Tot Ion:168 Resp: 328935

Ion Ratio Lower Upper

168 100

99 62.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

150000

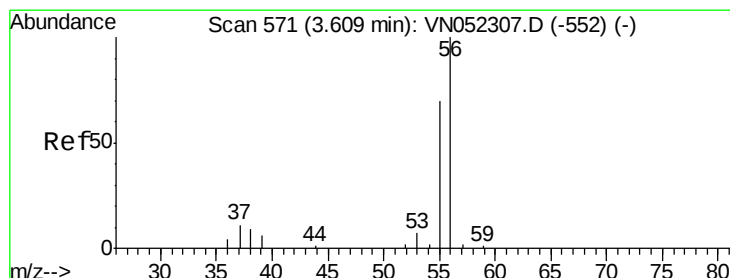
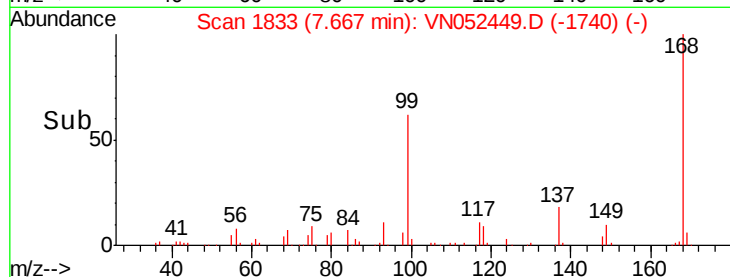
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 69.074 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.04 min

Lab File: VN052449.D

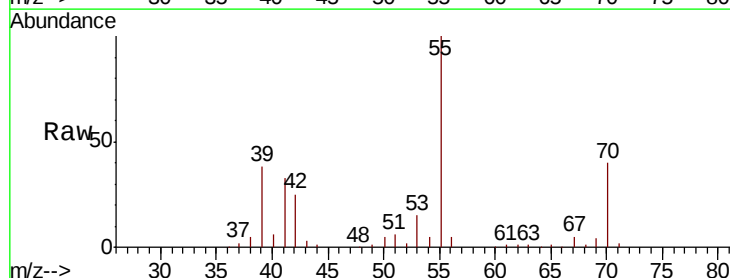
Acq: 21 Nov 2018 20:03

Tgt Ion: 56 Resp: 19175

Ion Ratio Lower Upper

56 100

55 2187.6 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052307.D (-552) (-)

200000

150000

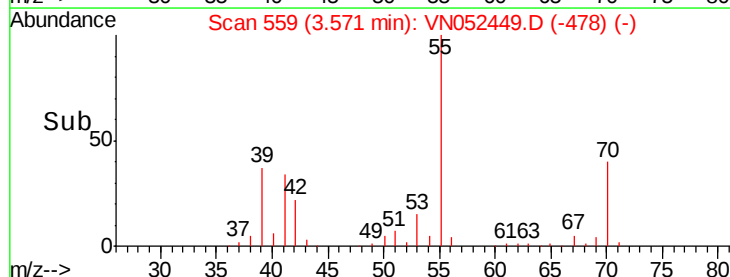
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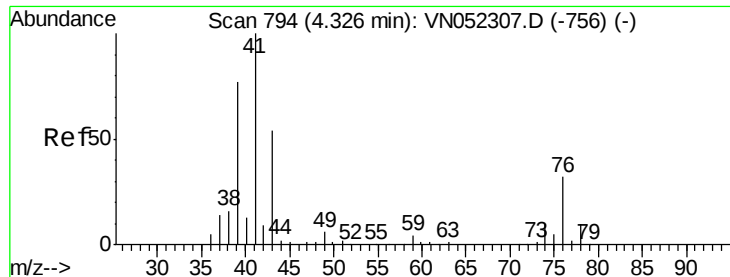
50000

0

3.50 3.55 3.60 3.65

Time-->





#14

Allvl chloride

Concen: 4.785 ug/l

RT: 4.43 min Scan# 827

Delta R.T. 0.11 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampled :

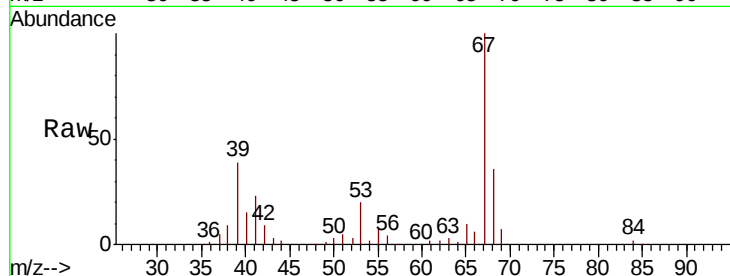
Tot Ion: 41 Resp: 33266

Ion Ratio Lower Upper

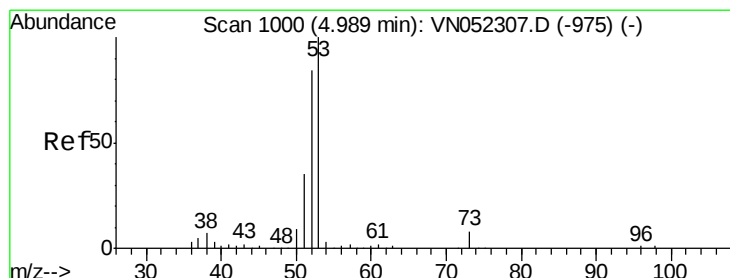
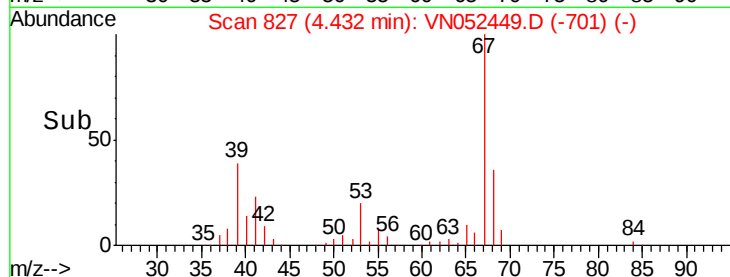
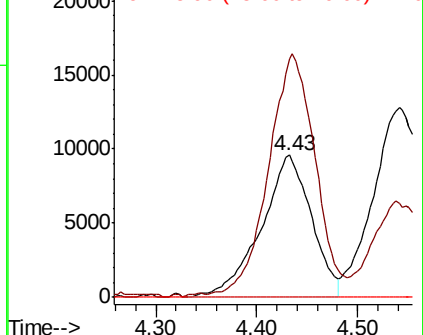
41 100

39 153.7 59.1 88.7#

76 0.0 24.1 36.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0



#15

Acrylonitrile

Concen: 1.555 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.07 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

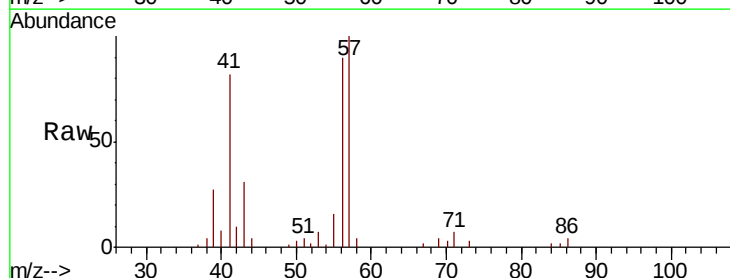
Tgt Ion: 53 Resp: 2178

Ion Ratio Lower Upper

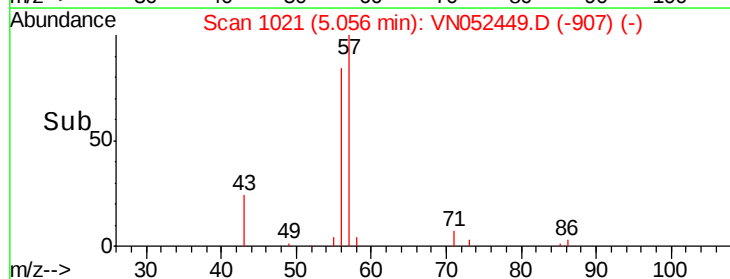
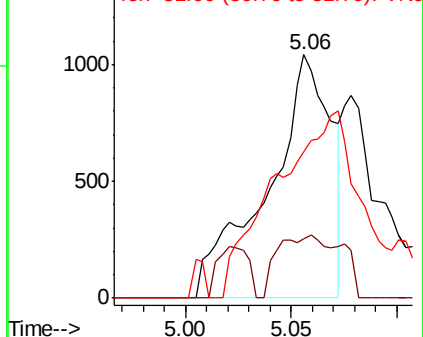
53 100

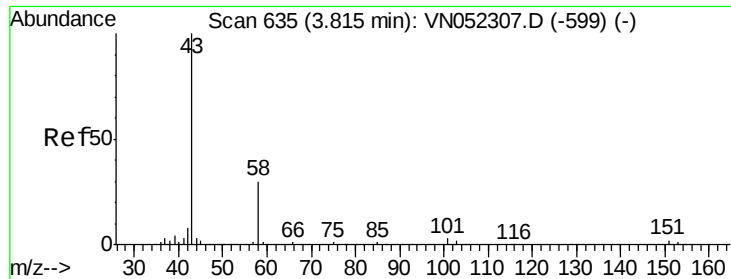
52 20.5 67.5 101.3#

51 103.4 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0

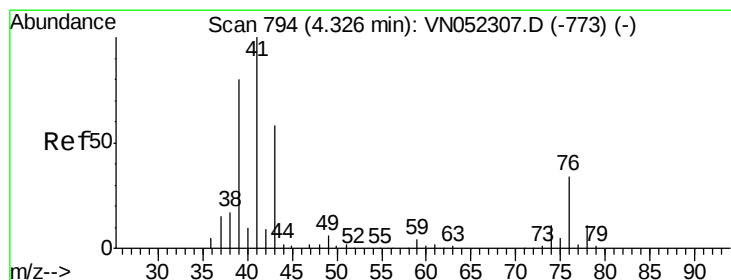
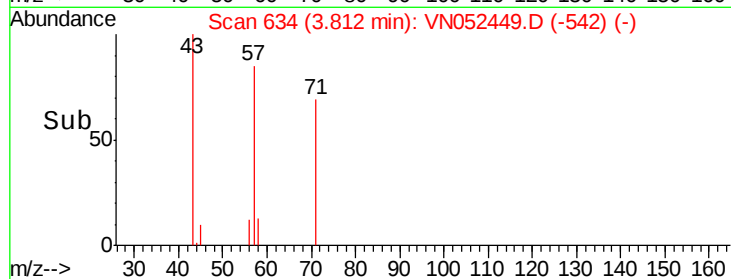
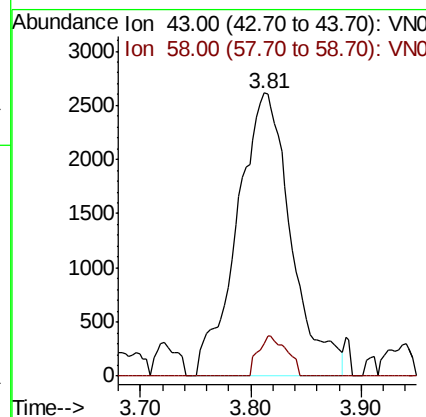
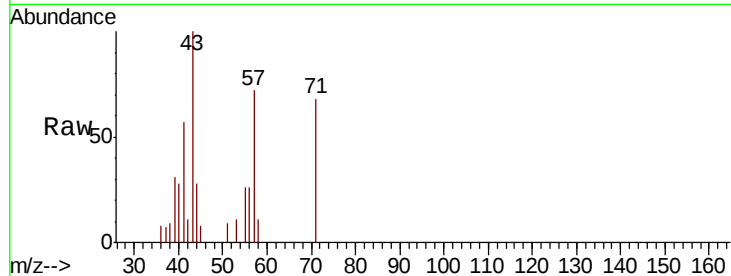




#16
Acetone
Concen: 6.944 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

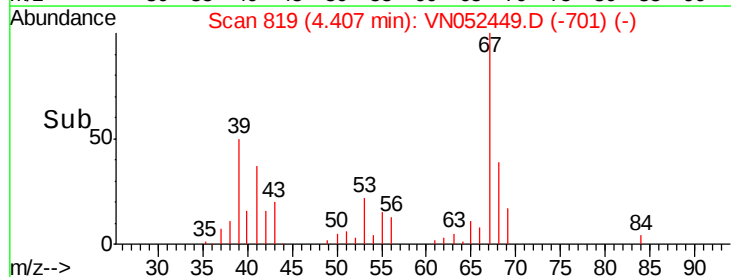
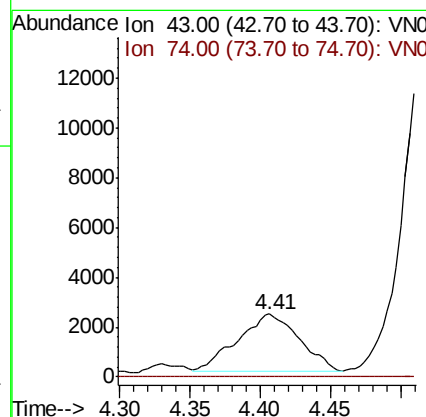
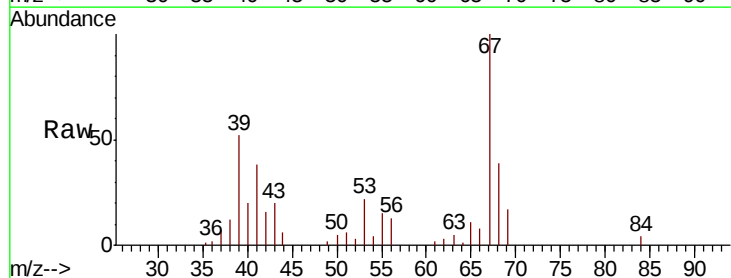
Instrument :
MSVOA_N
ClientSampleId :

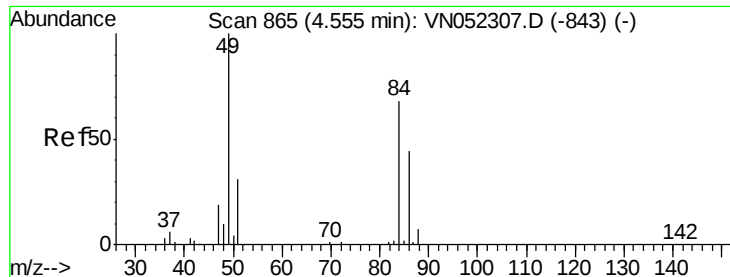
Tot Ion: 43 Resp: 8883
Ion Ratio Lower Upper
43 100
58 11.3 24.2 36.4#



#18
Methyl Acetate
Concen: 2.344 ug/l
RT: 4.41 min Scan# 819
Delta R.T. 0.08 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion: 43 Resp: 6915
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#

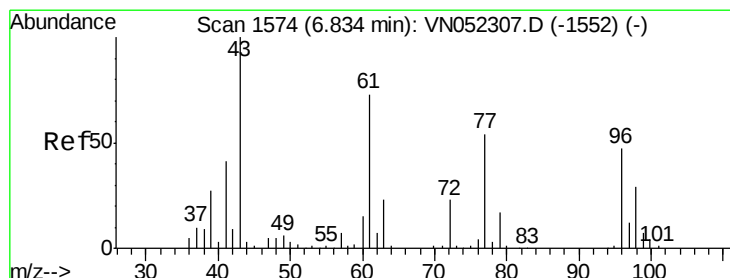
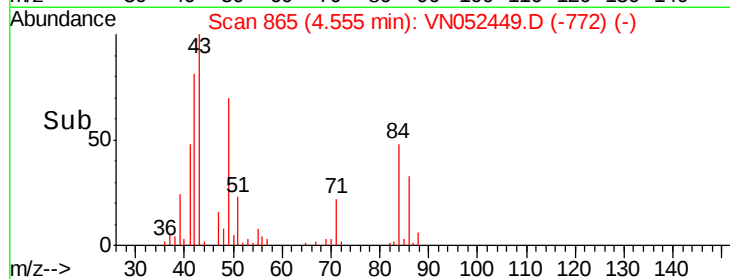
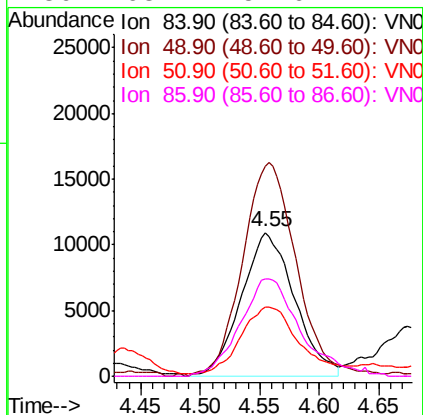
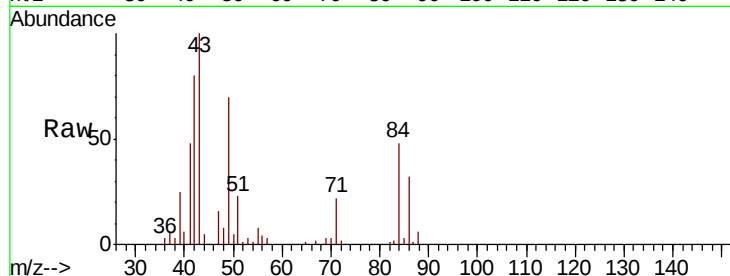




#20
Methvlene Chloride
Concen: 8.130 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

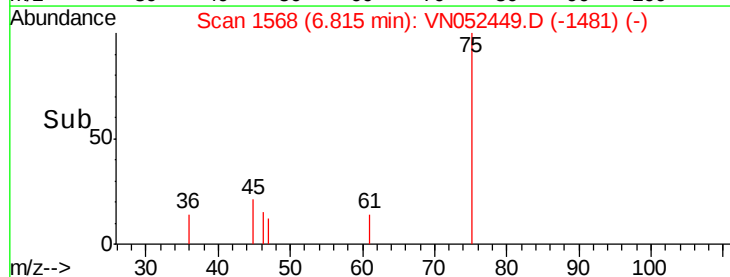
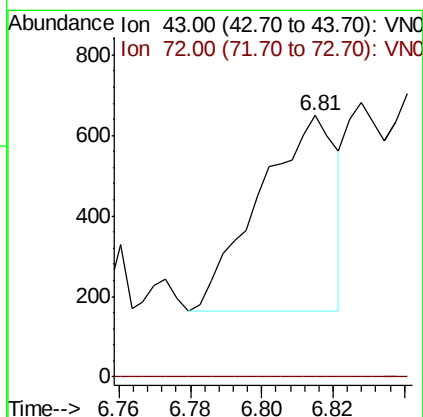
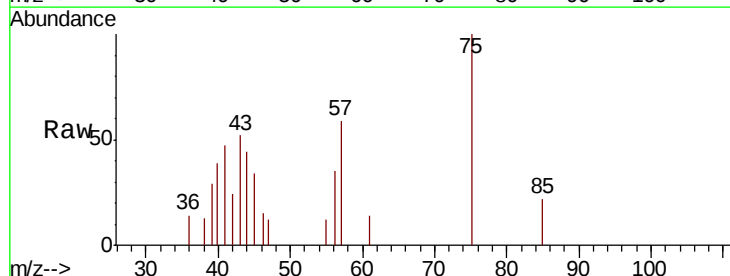
Instrument :
MSVOA_N
ClientSampled :

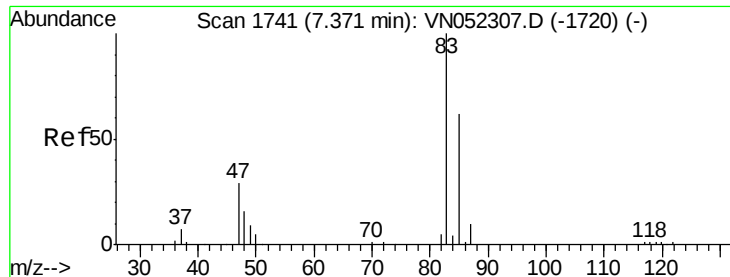
Tot Ion:	84	Resp:	33922
Ion	Ratio	Lower	Upper
84	100		
49	146.2	118.2	177.2
51	46.6	36.1	54.1
86	68.1	51.6	77.4



#25
2-Butanone
Concen: 0.400 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.02 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion:	43	Resp:	721
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#30

Chloroform

Concen: 0.632 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.04 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

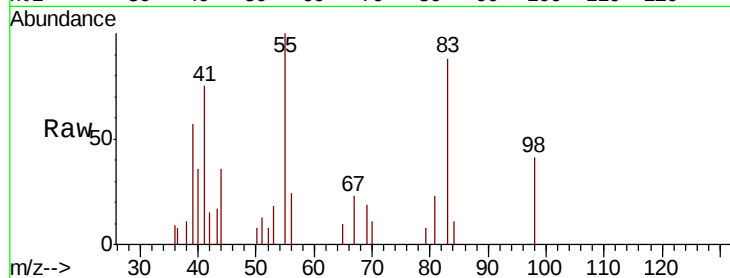
ClientSampled :

Tot Ion: 83 Resp: 4579

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.33

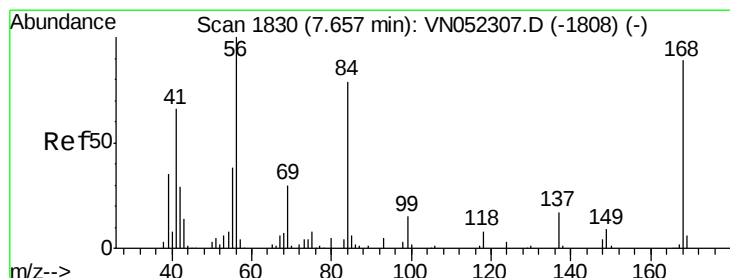
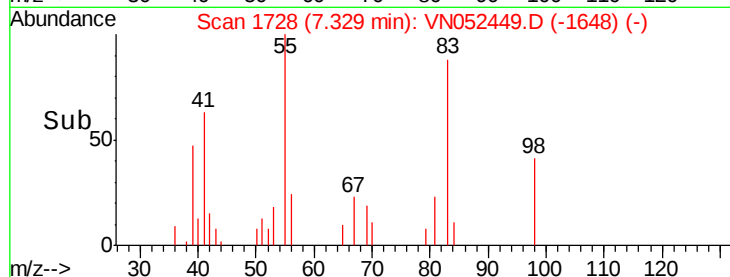
1500

1000

500

0

Time--> 7.25 7.30 7.35



#31

Cyclohexane

Concen: 4.454 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

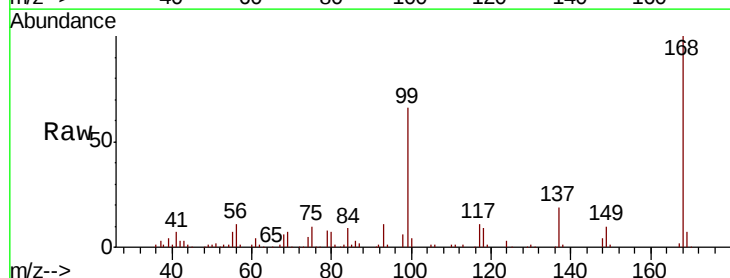
Tgt Ion: 56 Resp: 38282

Ion Ratio Lower Upper

56 100

69 69.2 23.8 35.8#

84 79.7 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

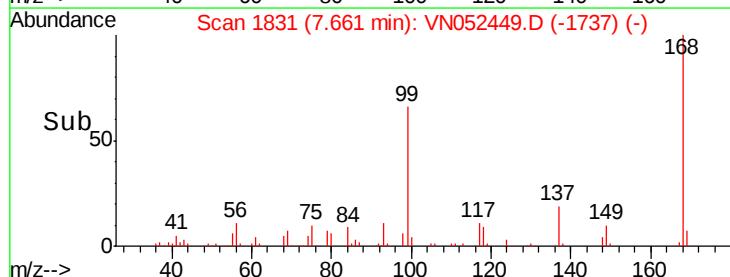
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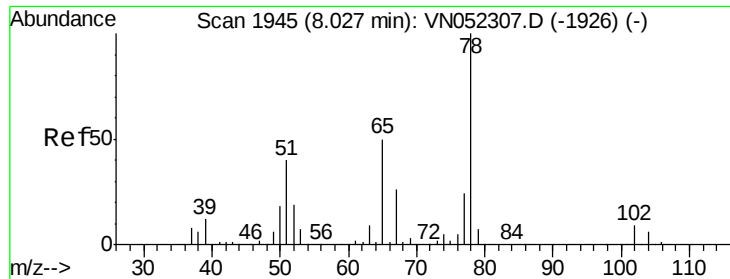
10000

5000

0

Time--> 7.55 7.60 7.65 7.70

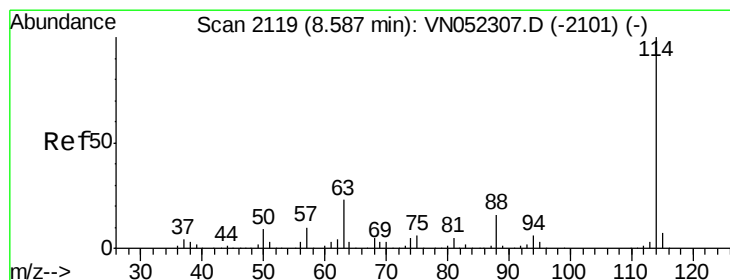
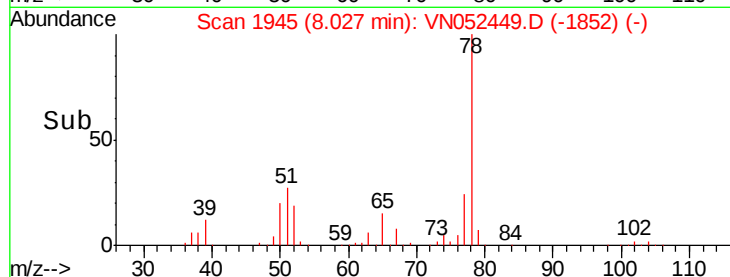
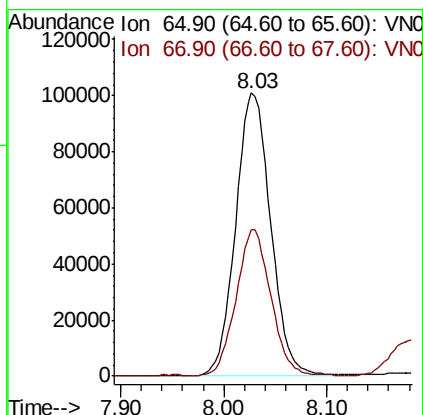
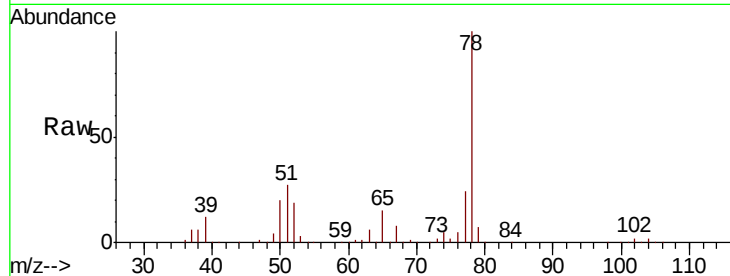




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

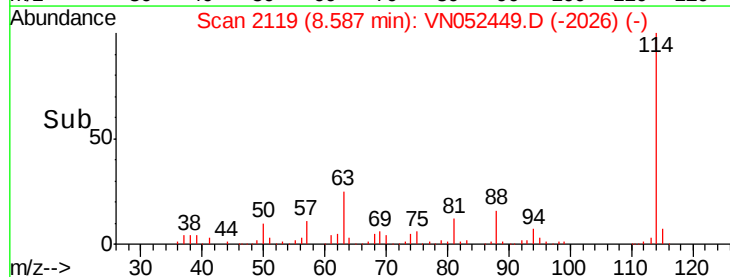
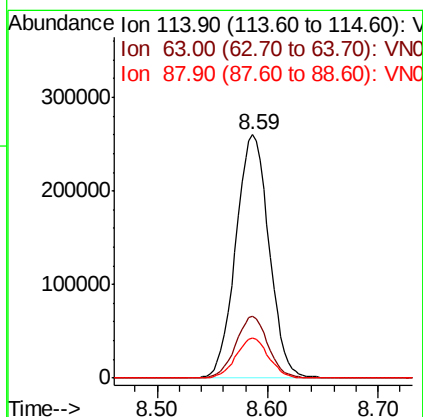
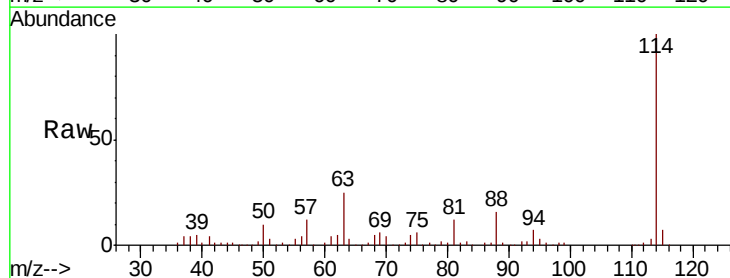
Instrument :
 MSVOA_N
 ClientSampled :

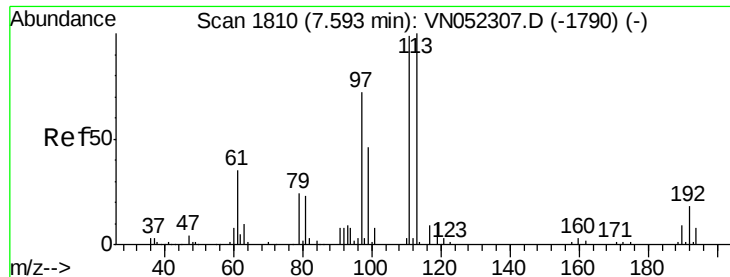
Tot Ion: 65 Resp: 239248
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion: 114 Resp: 543756
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 45.4
 88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

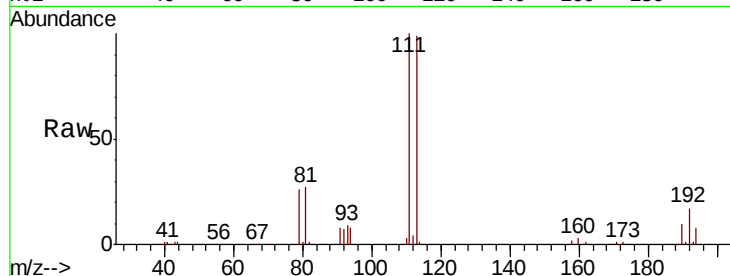
Tot Ion:113 Resp: 175339

Ion Ratio Lower Upper

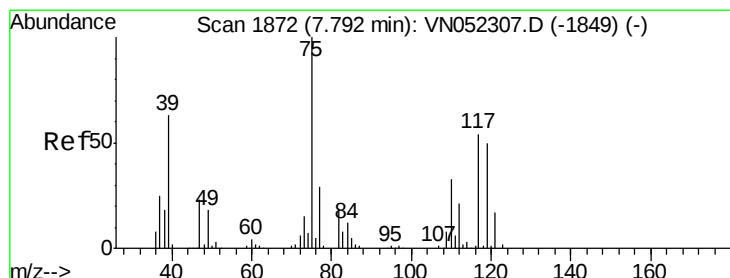
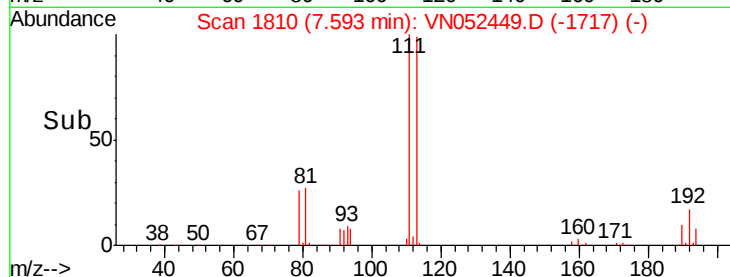
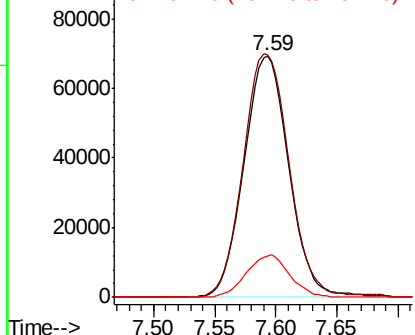
113 100

111 104.1 81.0 121.6

192 17.1 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.655 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

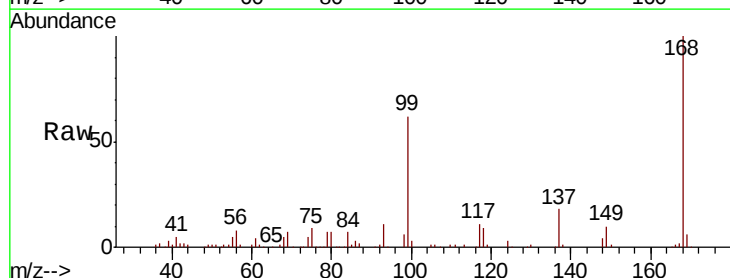
Tgt Ion: 75 Resp: 30819

Ion Ratio Lower Upper

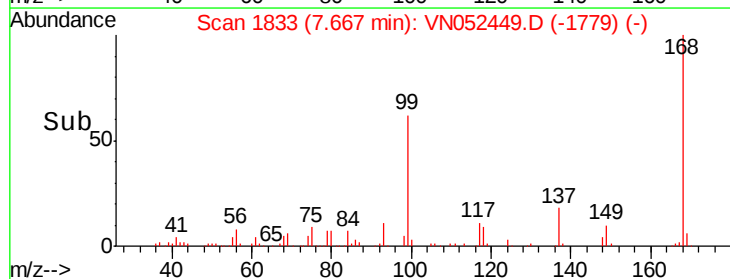
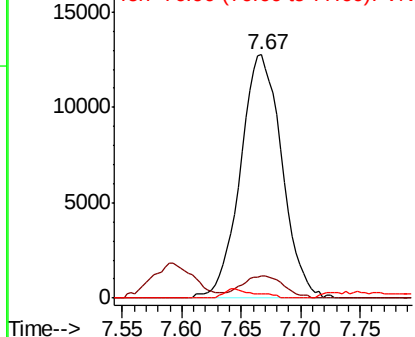
75 100

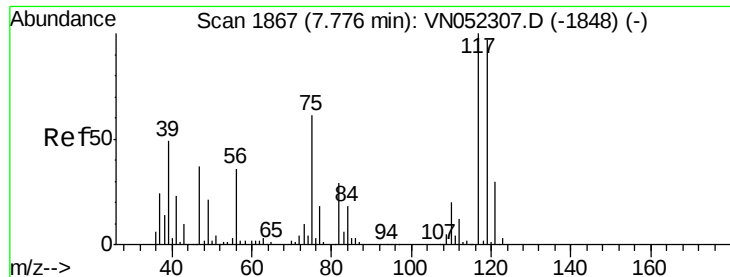
110 9.3 16.5 49.5#

77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.347 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

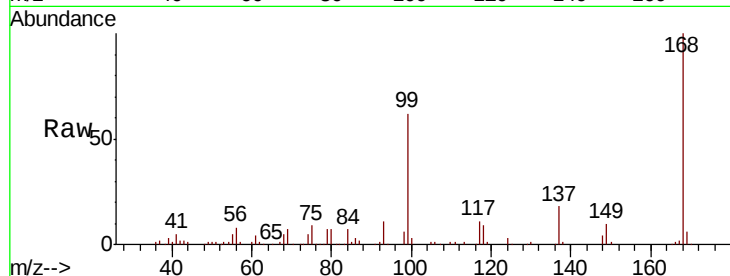
Tot Ion:117 Resp: 36786

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

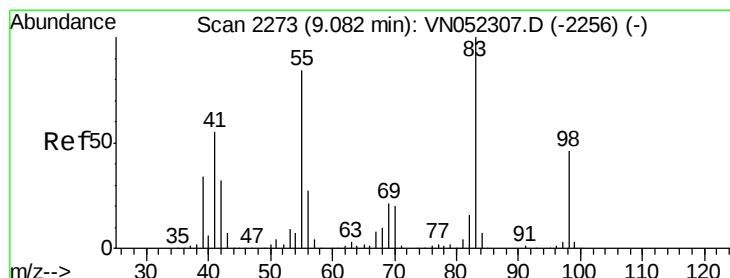
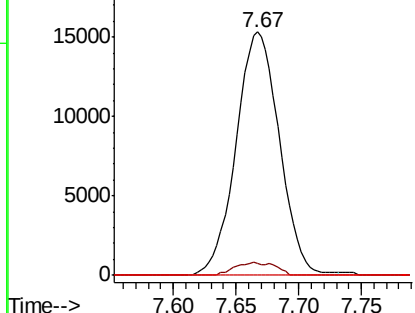
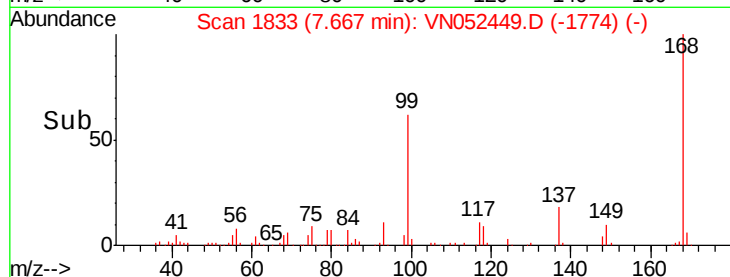
121 0.0 24.0 36.0#



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



#39

Methylcyclohexane

Concen: 2.890 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

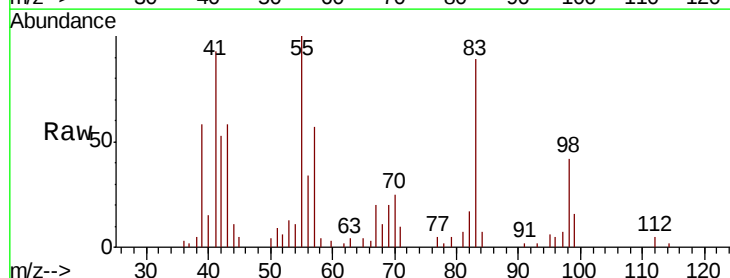
Tgt Ion: 83 Resp: 17978

Ion Ratio Lower Upper

83 100

55 108.1 66.8 100.2#

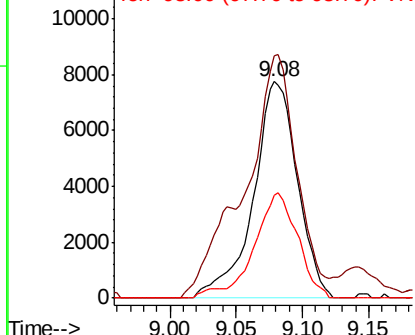
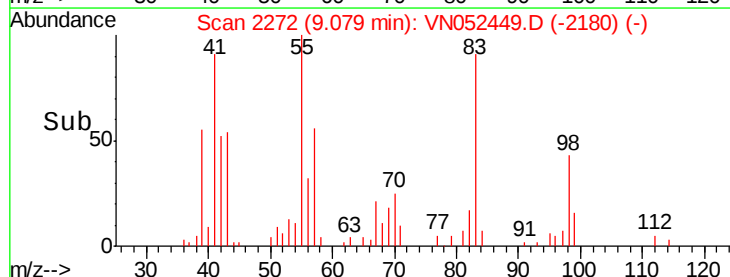
98 47.2 36.4 54.6

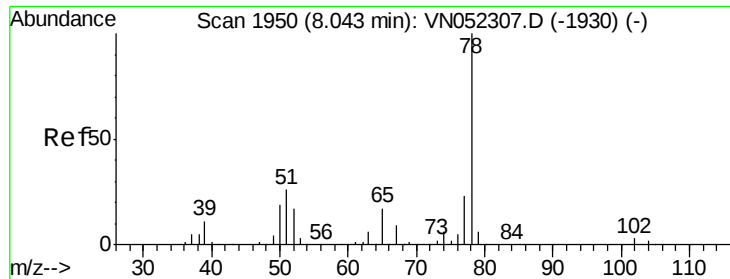


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 172.165 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

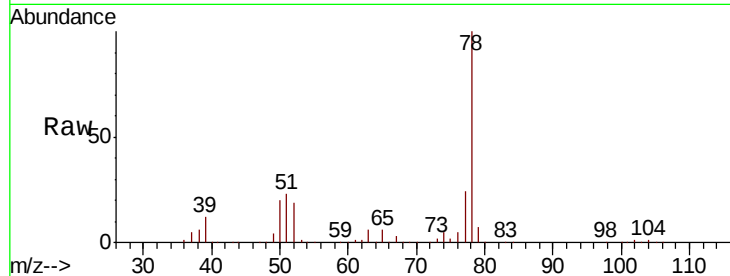
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 2680550

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

1200000

1000000

800000

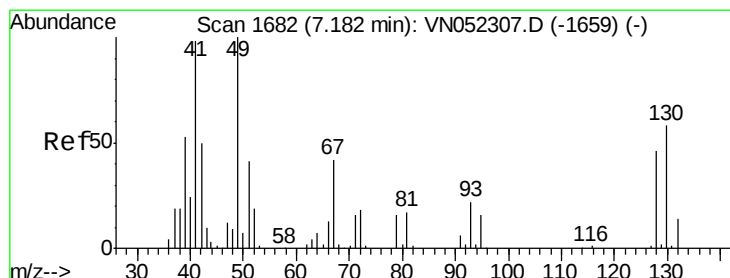
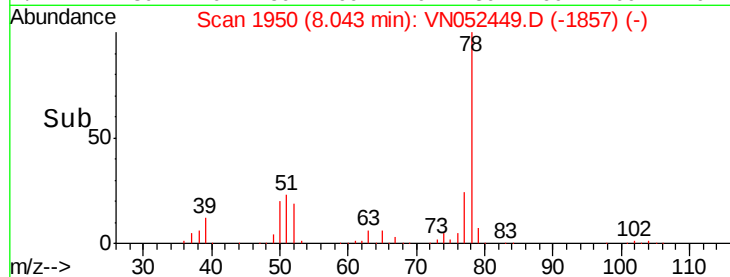
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 4.097 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.03 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Tgt Ion: 41 Resp: 953

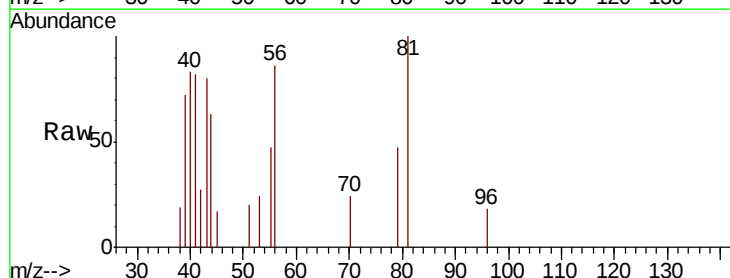
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

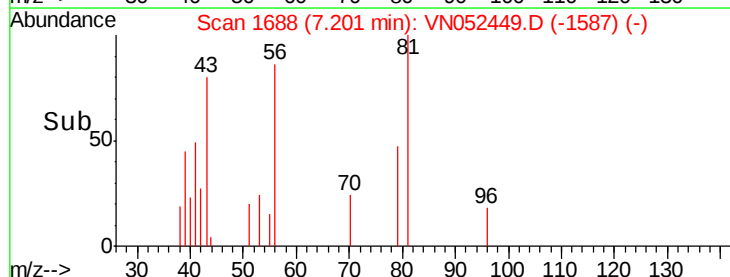
Ion 52.00 (51.70 to 52.70): VN0

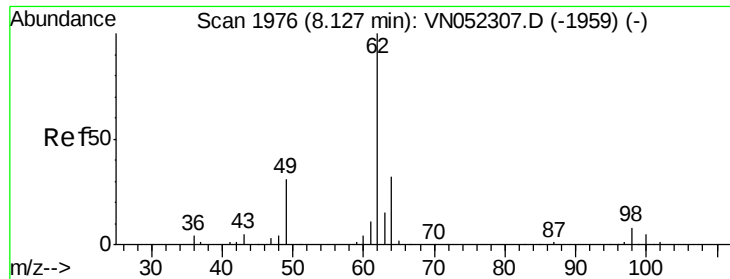
1000

500

0

Time-->

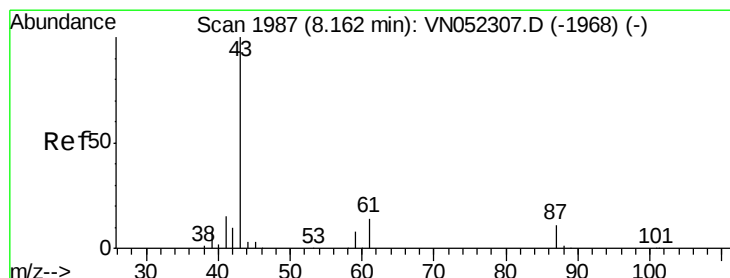
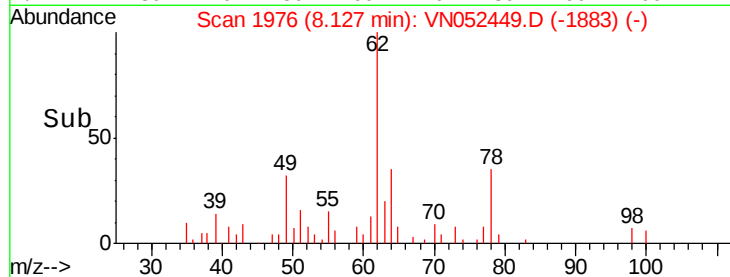
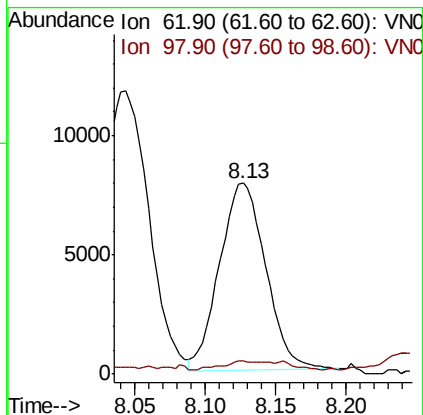
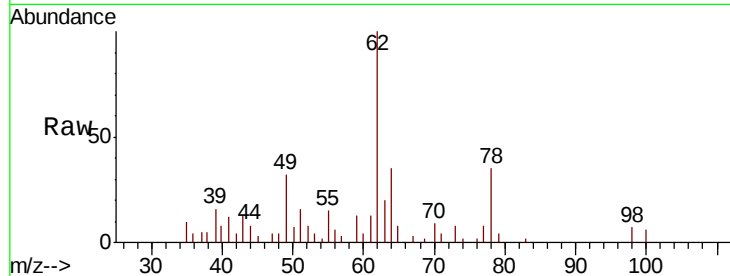




#42
 1,2-Dichloroethane
 Concen: 3.243 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

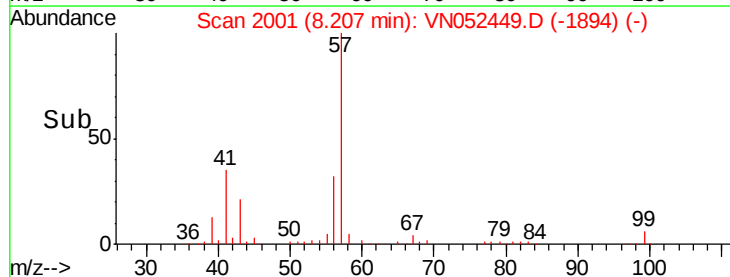
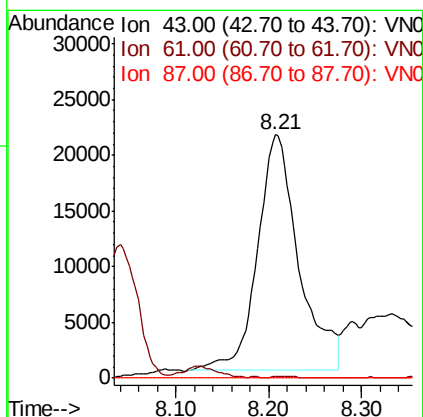
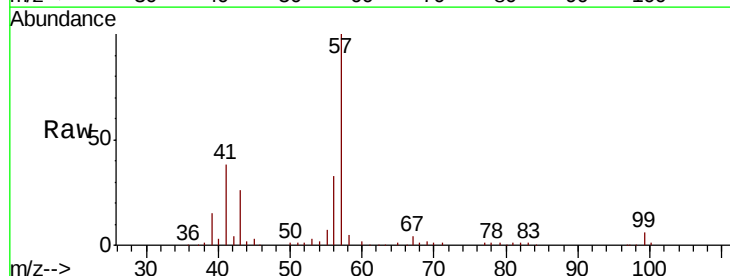
Instrument :
 MSVOA_N
 ClientSampled :

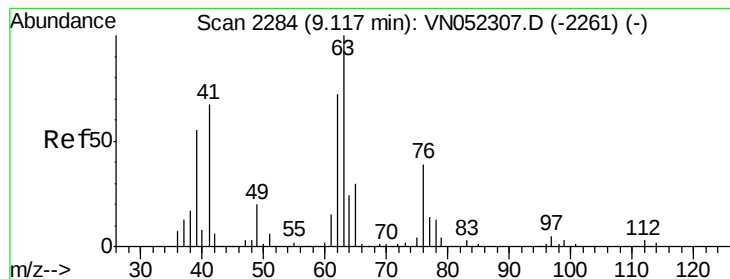
Tot Ion: 62 Resp: 18003
 Ion Ratio Lower Upper
 62 100
 98 5.1 0.0 15.6



#43
 Isopropyl Acetate
 Concen: 8.647 ug/l
 RT: 8.21 min Scan# 2001
 Delta R.T. 0.04 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion: 43 Resp: 65994
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 87 0.0 8.3 12.5#





#45

1,2-Dichloropropane

Concen: 0.336 ug/l

RT: 9.13 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

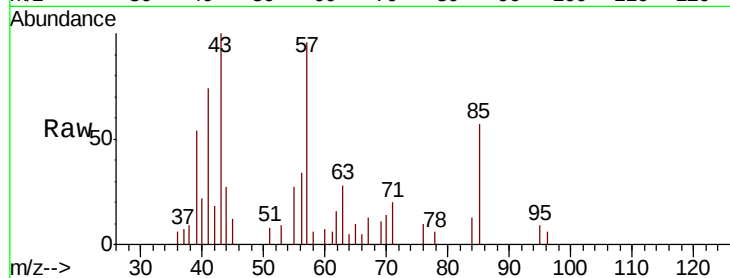
ClientSampled :

Tot Ion: 63 Resp: 1486

Ion Ratio Lower Upper

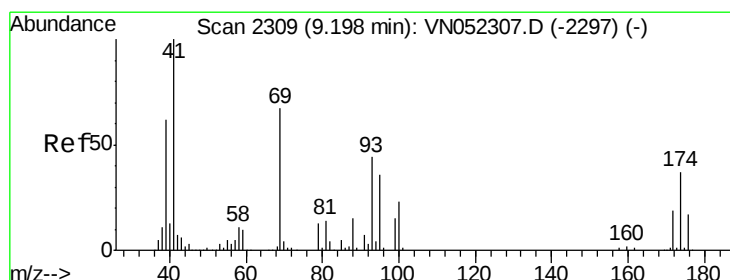
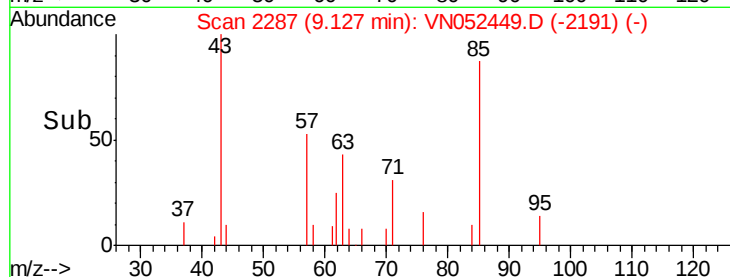
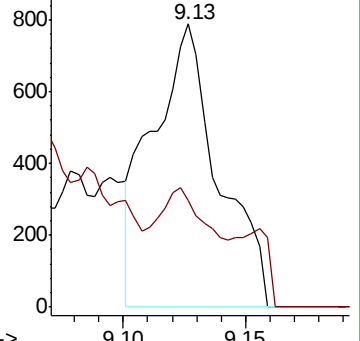
63 100

65 37.8 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.063 ug/l

RT: 9.22 min Scan# 2315

Delta R.T. 0.02 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

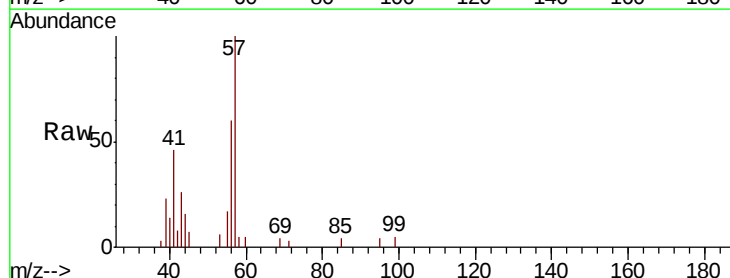
Tgt Ion: 41 Resp: 4117

Ion Ratio Lower Upper

41 100

69 9.1 57.1 85.7#

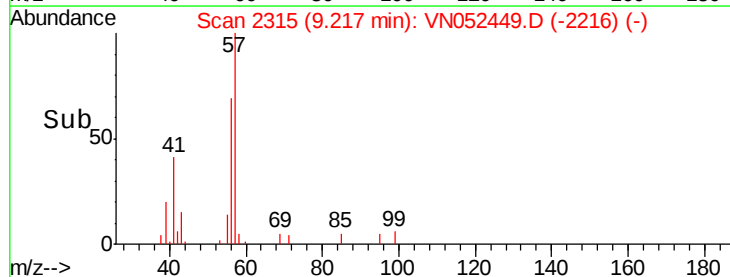
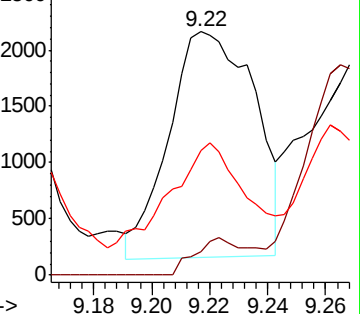
39 39.5 52.5 78.7#

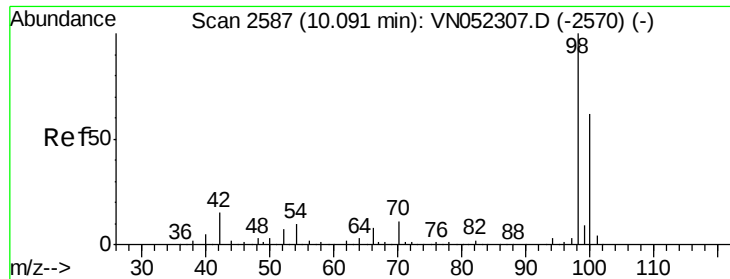


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

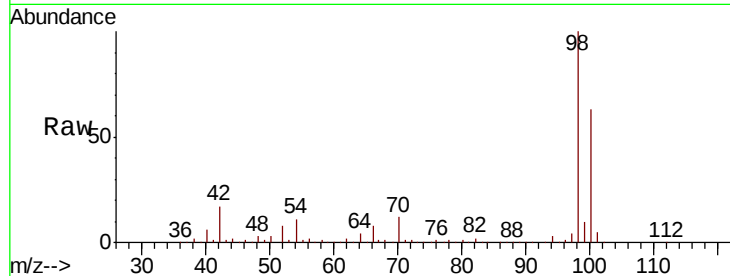
ClientSampled :

Tot Ion: 98 Resp: 694306

Ion Ratio Lower Upper

98 100

100 62.5 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

400000

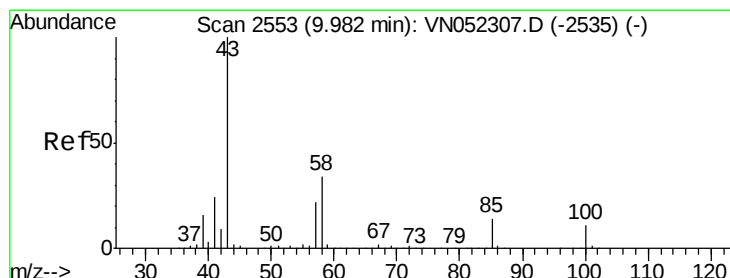
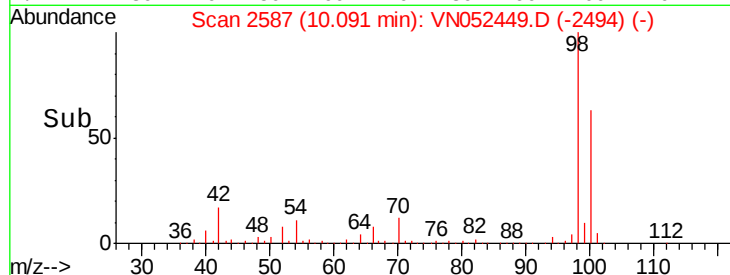
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.210 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052449.D

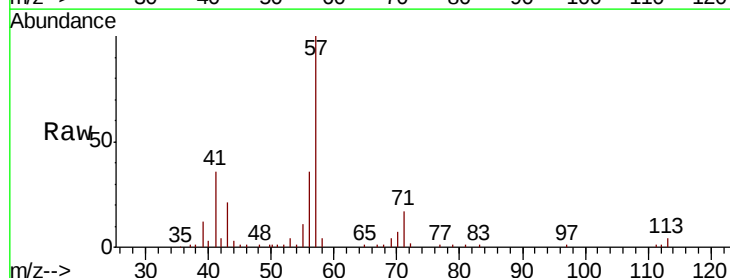
Acq: 21 Nov 2018 20:03

Tgt Ion: 43 Resp: 12332

Ion Ratio Lower Upper

43 100

58 26.4 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

10.02

8000

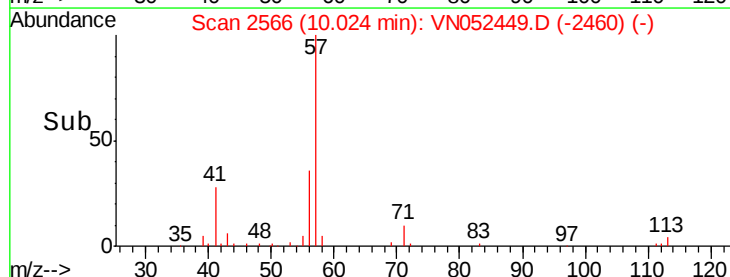
6000

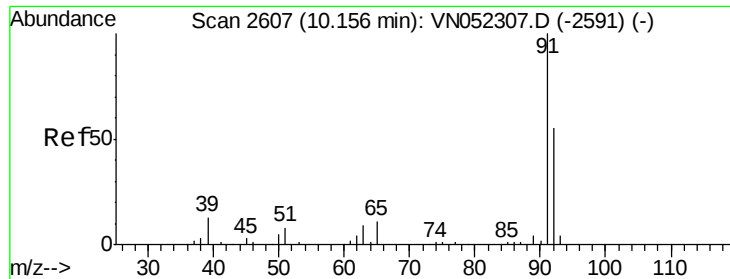
4000

2000

0

Time-->





#52

Toluene

Concen: 762.620 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

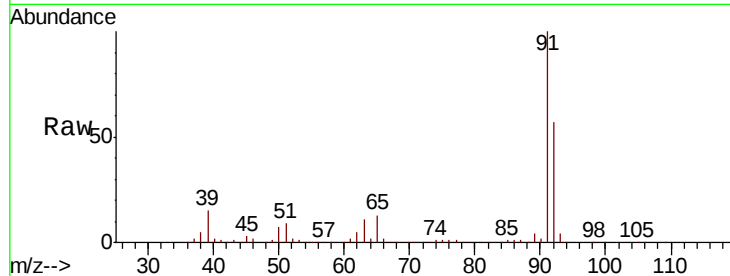
ClientSampleId :

Tot Ion: 92 Resp: 7103050

Ion Ratio Lower Upper

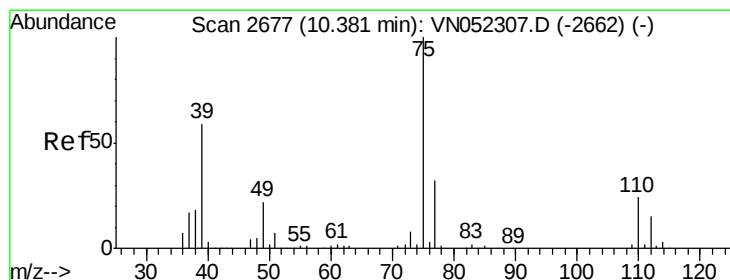
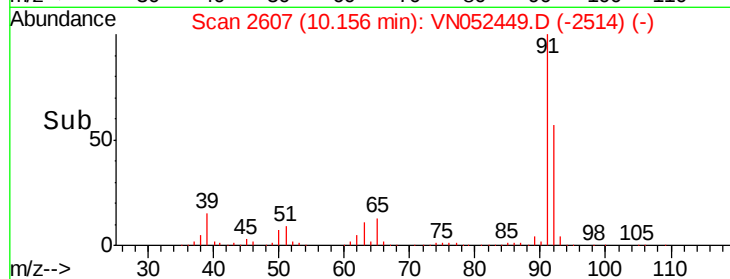
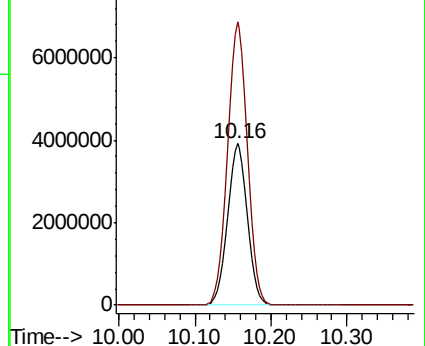
92 100

91 176.9 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)



#53

t-1,3-Dichloropropene

Concen: 18.492 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN052449.D

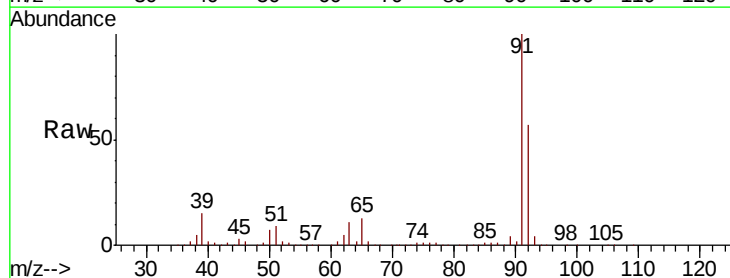
Acq: 21 Nov 2018 20:03

Tgt Ion: 75 Resp: 97895

Ion Ratio Lower Upper

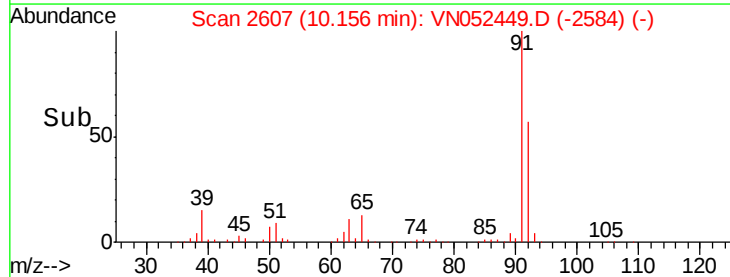
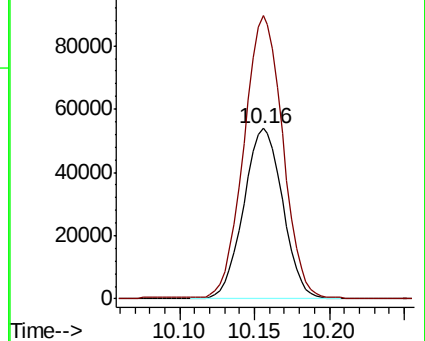
75 100

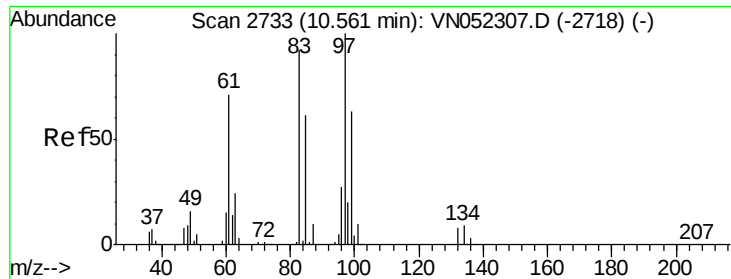
77 165.1 25.7 38.5#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN052307.D (-2662) (-)





#55

1,1,2-Trichloroethane

Concen: 0.976 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 3297

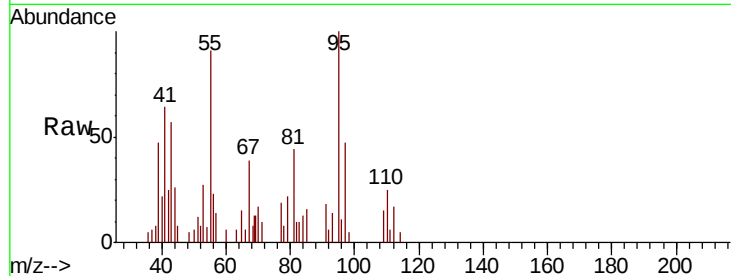
Ion Ratio Lower Upper

97 100

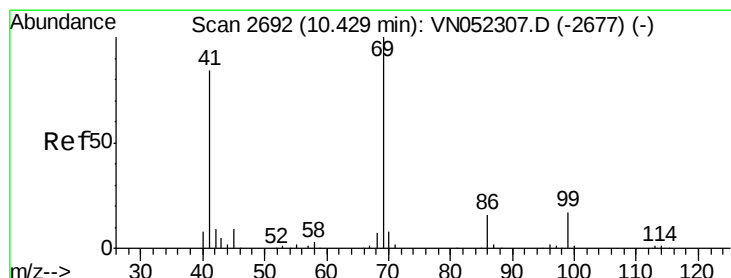
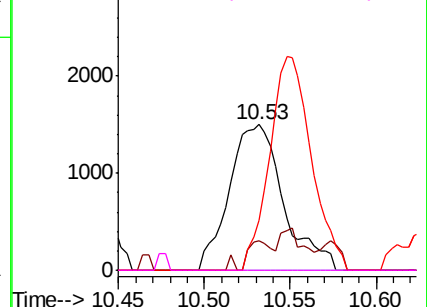
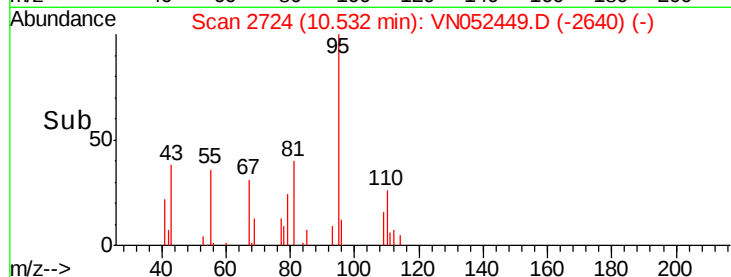
83 20.7 73.8 110.6#

85 34.6 49.0 73.4#

99 0.0 50.5 75.7#



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.382 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.02 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

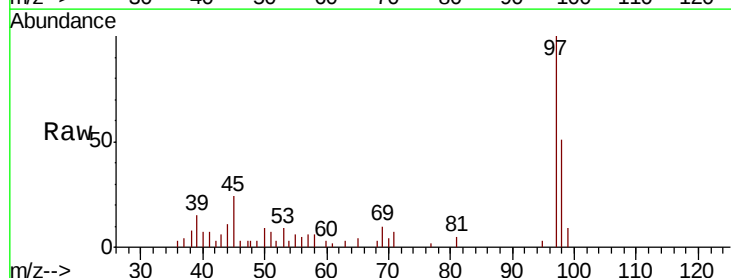
Tgt Ion: 69 Resp: 1696

Ion Ratio Lower Upper

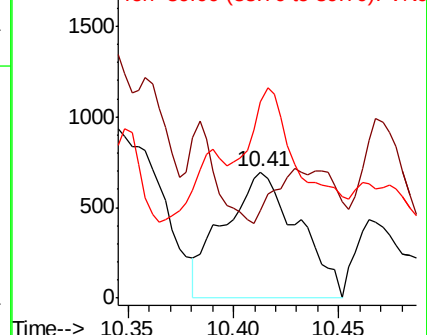
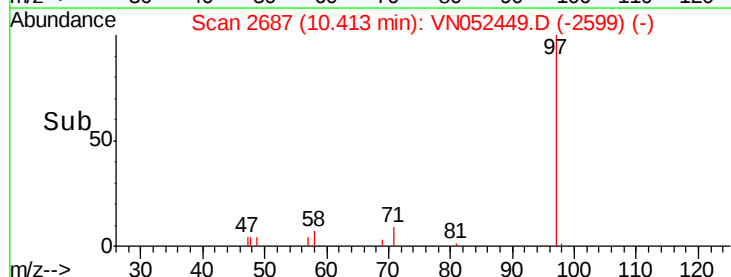
69 100

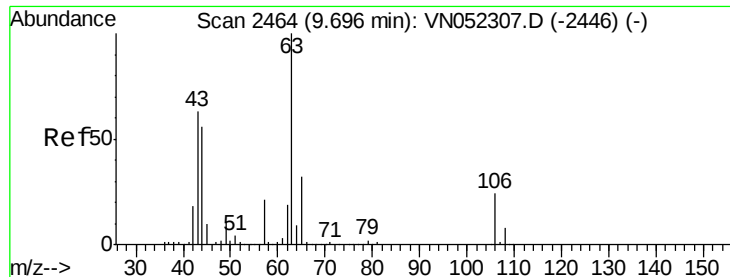
41 0.0 64.8 97.2#

39 0.0 41.0 61.6#



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

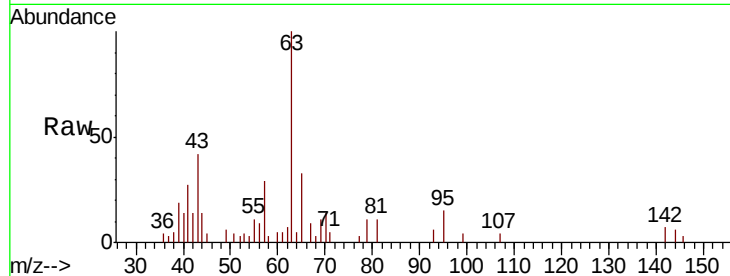




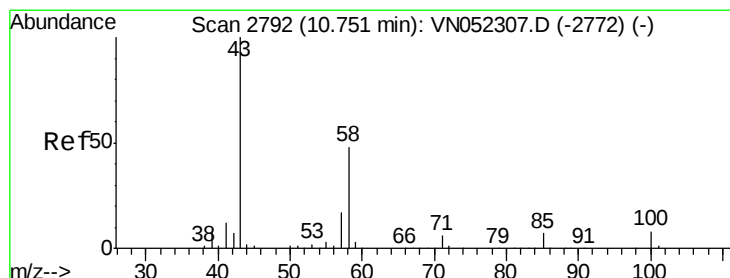
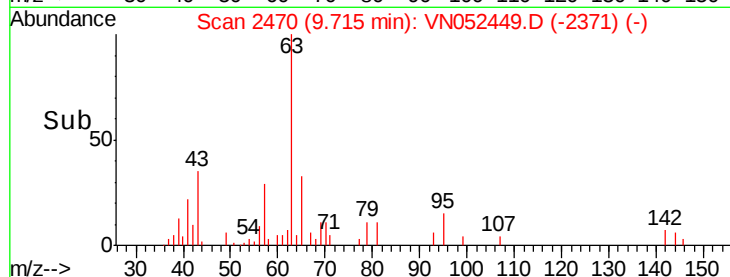
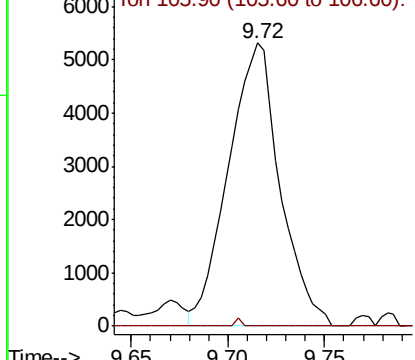
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.907 ug/l
 RT: 9.72 min Scan# 2470
 Delta R.T. 0.02 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 9878
 Ion Ratio Lower Upper
 63 100
 106 0.3 19.3 28.9#

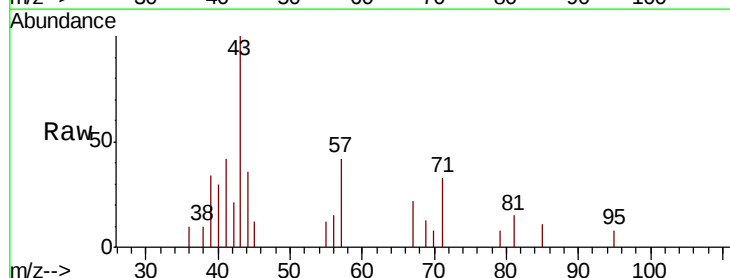


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 105.90 (105.60 to 106.60): V

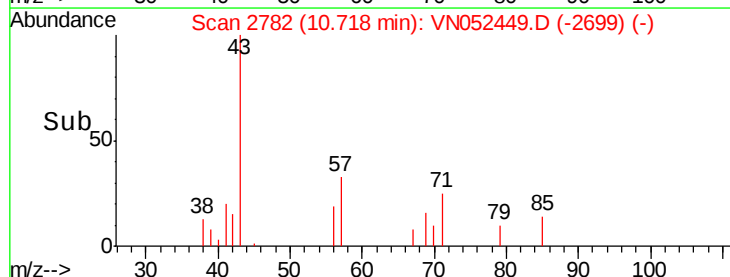
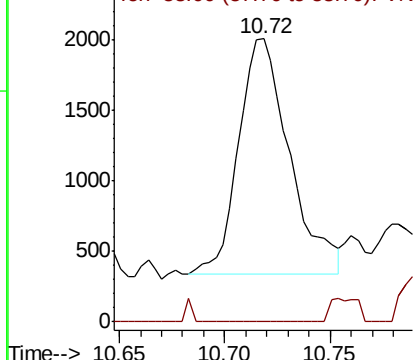


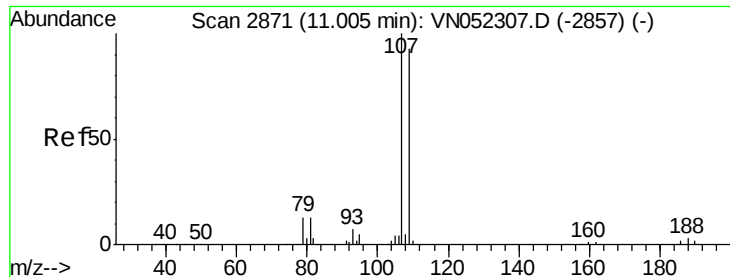
#59
 2-Hexanone
 Concen: 1.063 ug/l
 RT: 10.72 min Scan# 2782
 Delta R.T. -0.03 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion: 43 Resp: 2808
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0





#61

1,2-Dibromoethane

Concen: 12.741 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

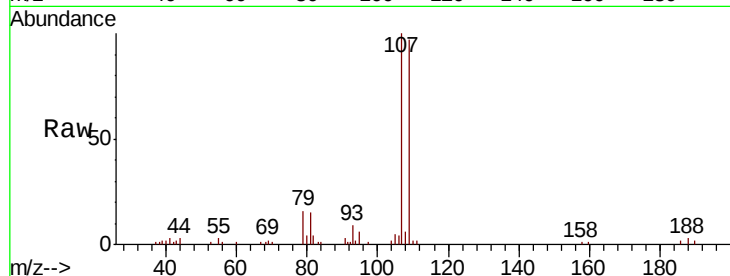
ClientSampled :

Tot Ion: 107 Resp: 42851

Ion Ratio Lower Upper

107 100

109 97.9 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

25000

20000

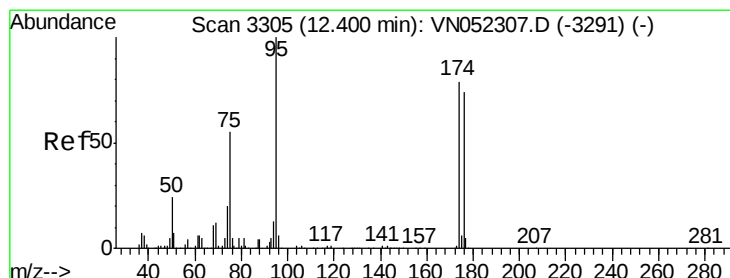
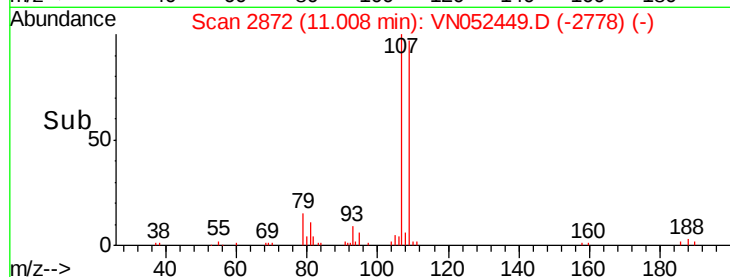
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 12.741 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

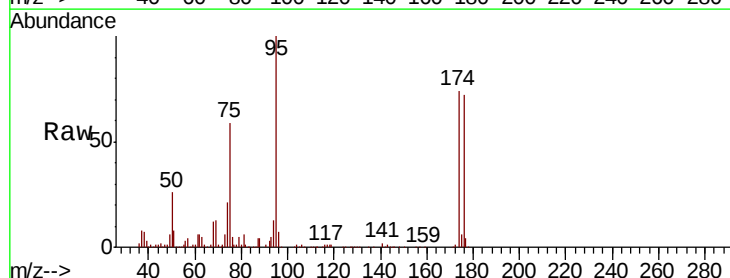
Tgt Ion: 95 Resp: 230270

Ion Ratio Lower Upper

95 100

174 74.3 0.0 156.0

176 71.5 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

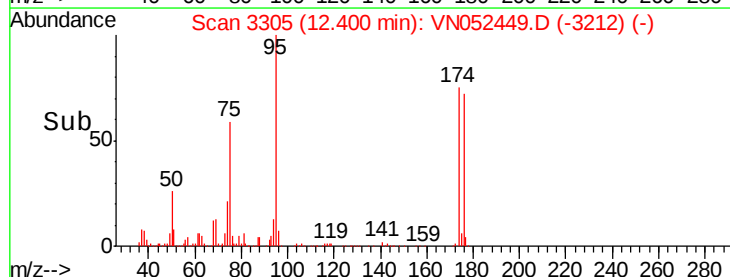
150000

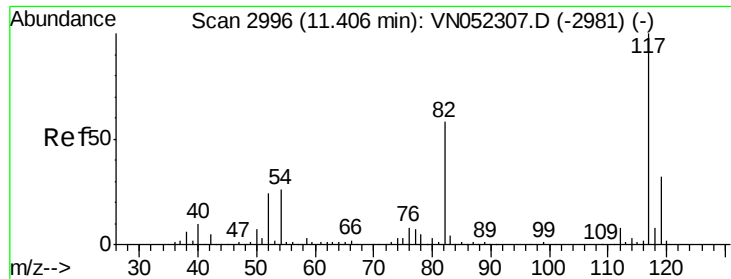
100000

50000

0

Time-->

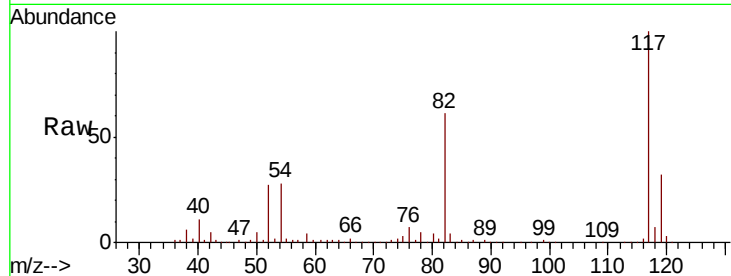




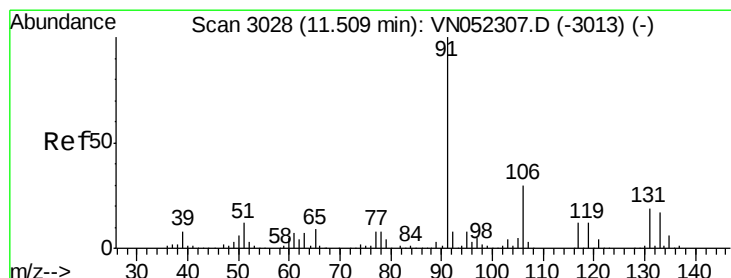
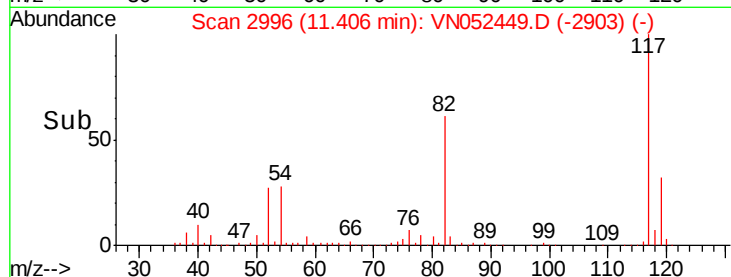
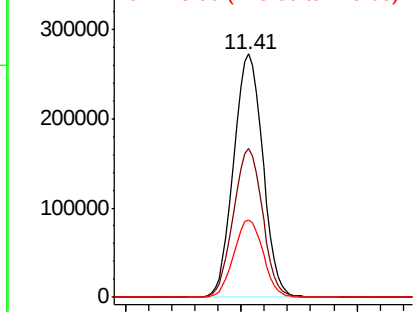
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 474534
Ion Ratio Lower Upper
117 100
82 61.0 46.5 69.7
119 31.9 25.7 38.5

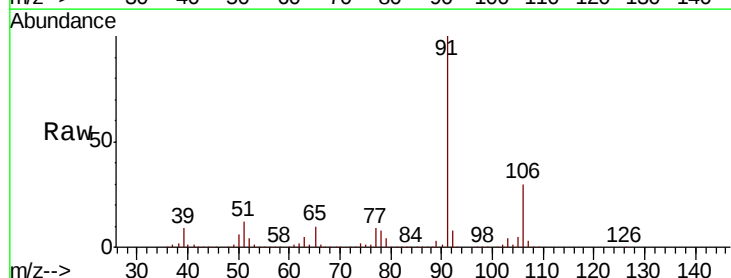


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

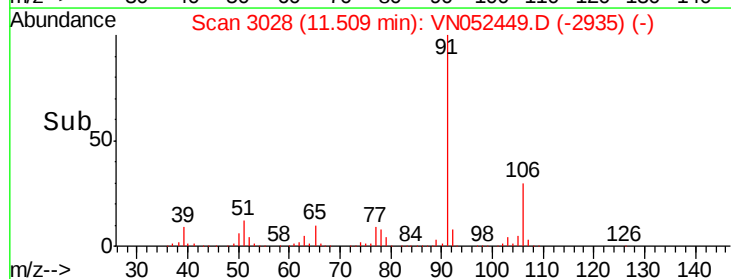
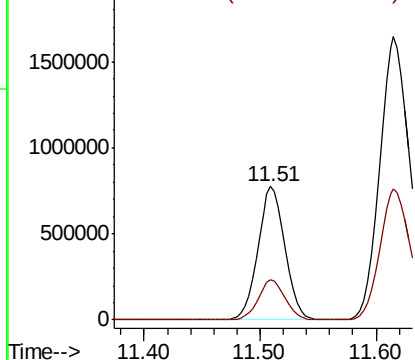


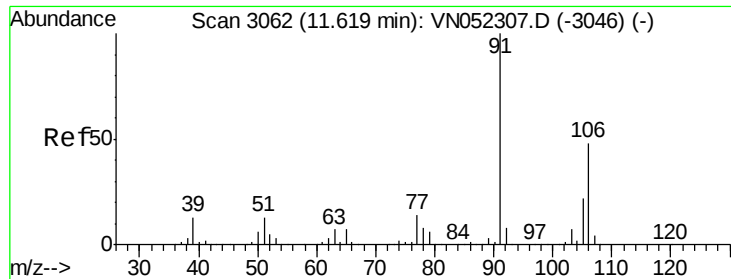
#67
Ethyl Benzene
Concen: 71.988 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion: 91 Resp: 1253245
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

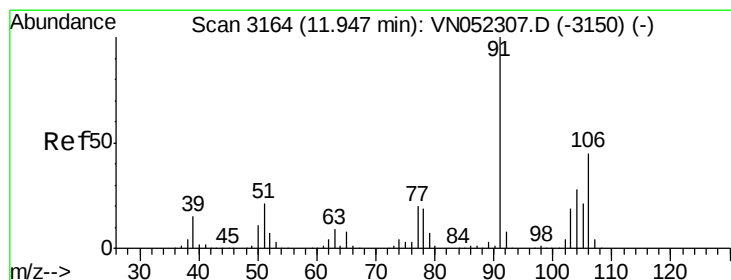
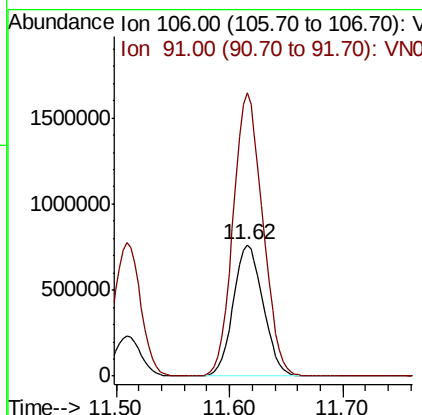
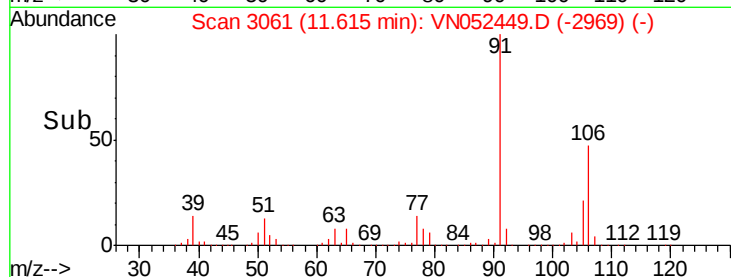
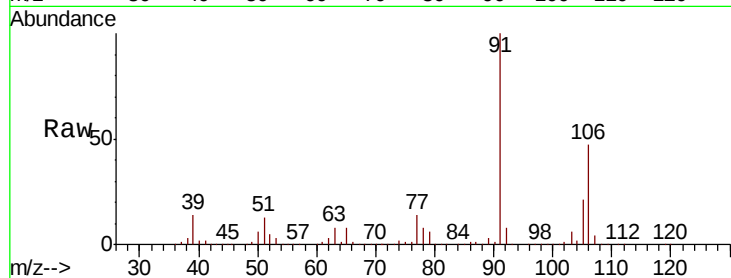




#68
m/p-Xylenes
Concen: 220.294 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

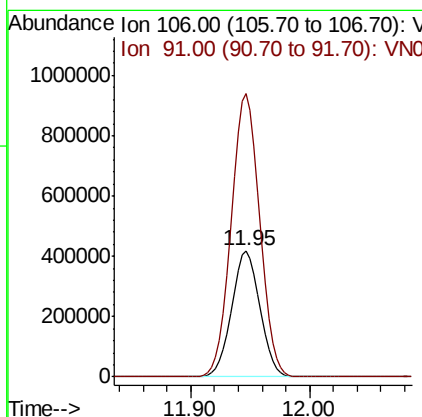
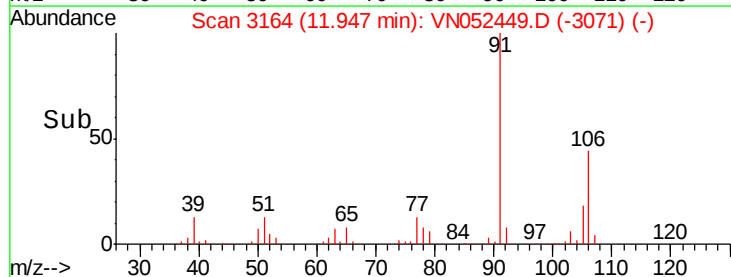
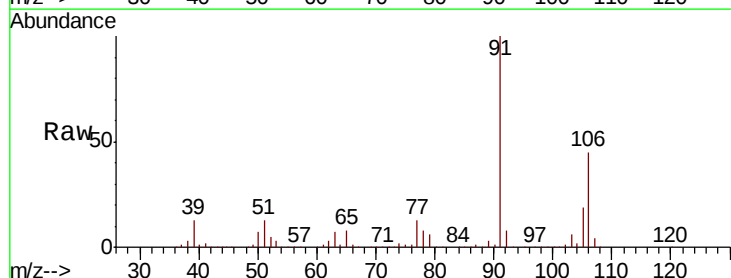
Instrument :
MSVOA_N
ClientSampled :

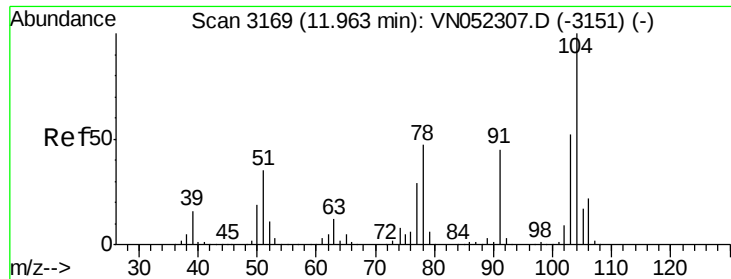
Tot Ion:106 Resp: 1401260
Ion Ratio Lower Upper
106 100
91 213.4 165.5 248.3



#69
o-Xylene
Concen: 112.749 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion:106 Resp: 687474
Ion Ratio Lower Upper
106 100
91 226.4 110.0 330.0

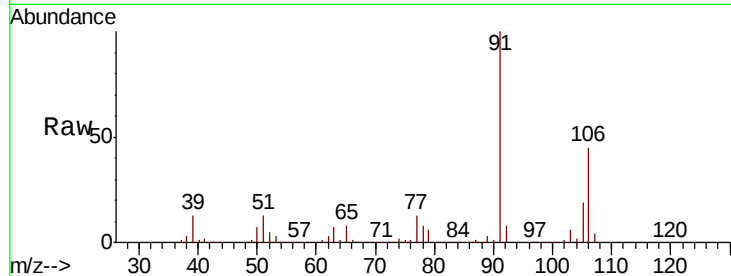




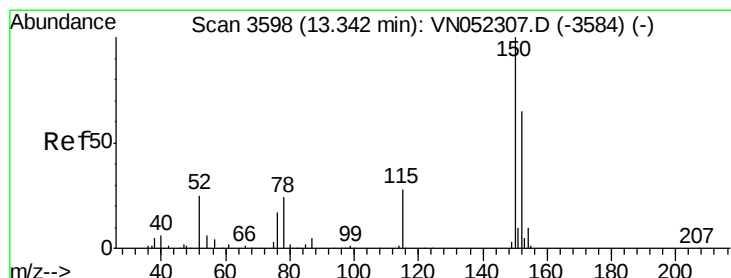
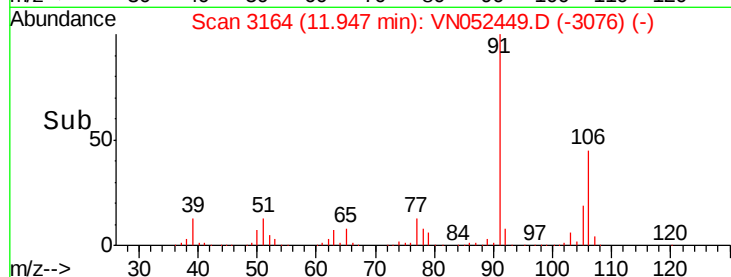
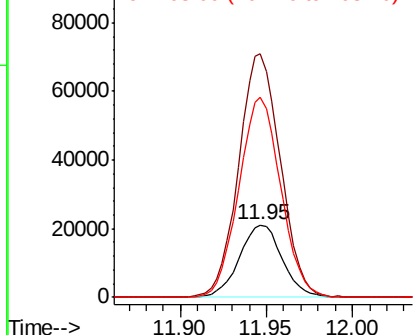
#70
Stvrene
Concen: 3.732 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 36437
Ion Ratio Lower Upper
104 100
78 328.0 42.7 64.1#
103 270.1 45.4 68.0#

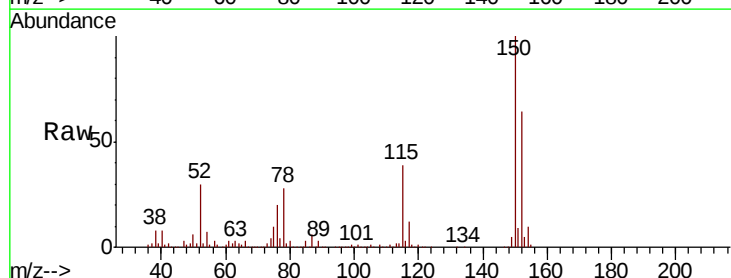


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

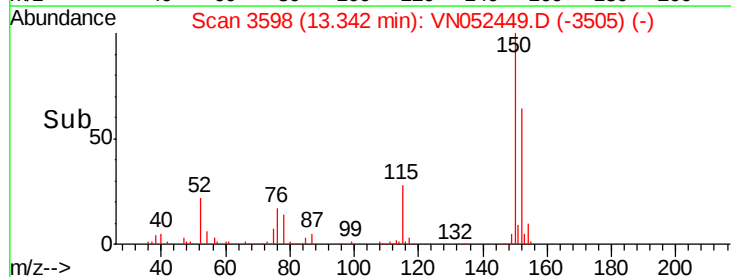
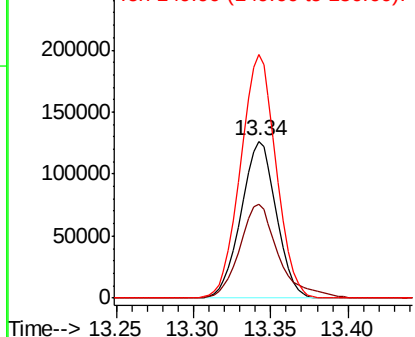


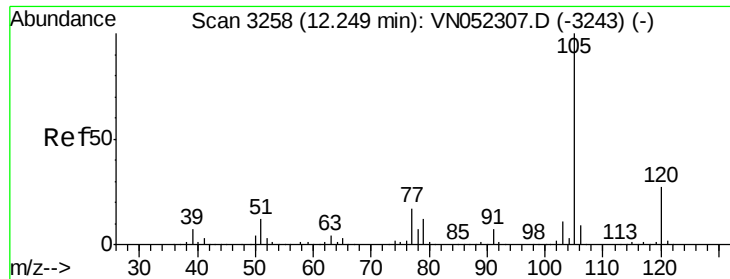
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion:152 Resp: 200301
Ion Ratio Lower Upper
152 100
115 65.2 30.3 91.0
150 156.4 0.0 348.2



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





#73

Isopropylbenzene

Concen: 3.547 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

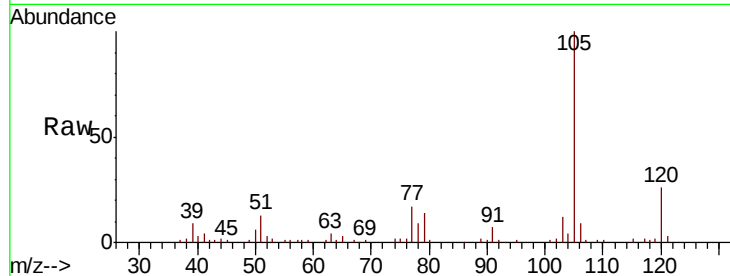
ClientSampleId :

Tot Ion:105 Resp: 57116

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

40000

30000

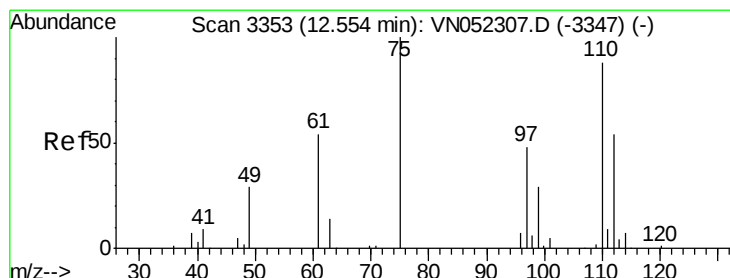
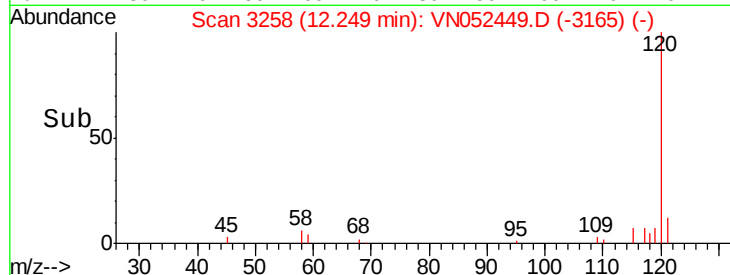
20000

10000

0

Time-->

12.20 12.25 12.30



#76

1,2,3-Trichloropropane

Concen: 2.135 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN052449.D

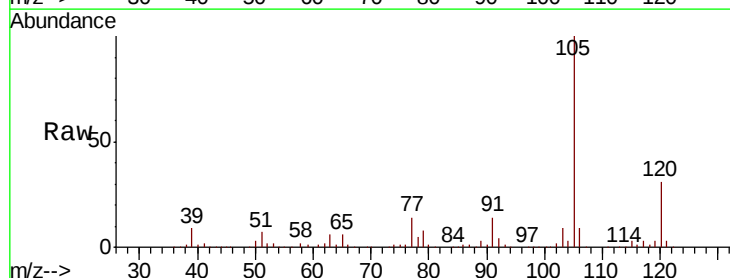
Acq: 21 Nov 2018 20:03

Tgt Ion: 75 Resp: 7257

Ion Ratio Lower Upper

75 100

77 1216.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.65

60000

50000

40000

30000

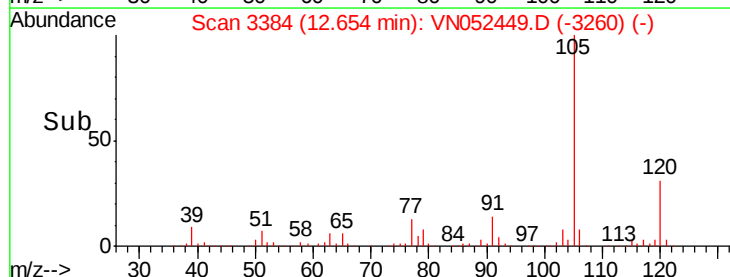
20000

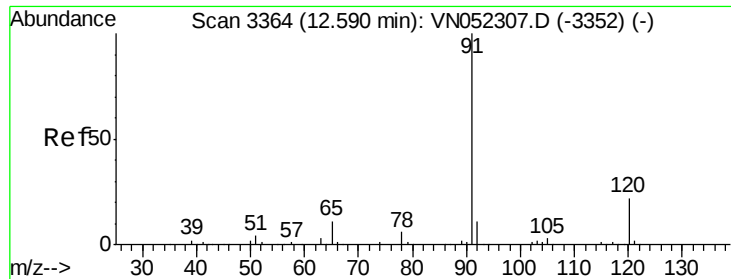
10000

0

Time-->

12.60 12.65 12.70





#78

n-propylbenzene

Concen: 9.850 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

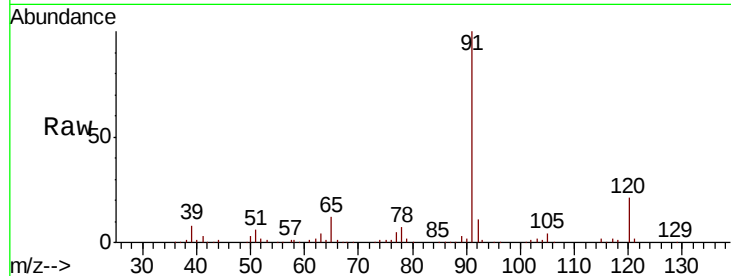
ClientSampled :

Tot Ion: 91 Resp: 185508

Ion Ratio Lower Upper

91 100

120 21.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3352) (-)

12.59

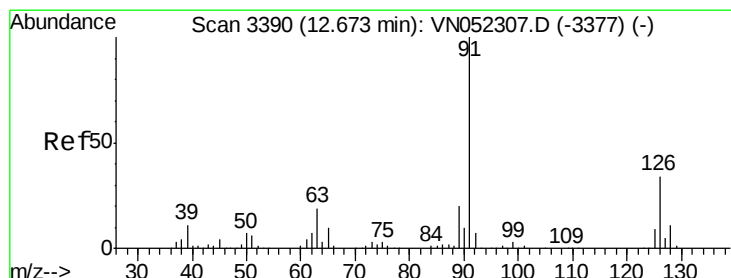
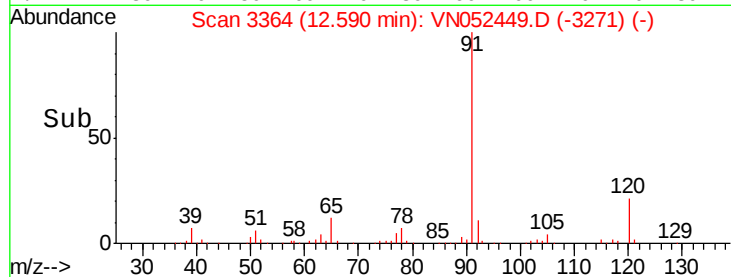
100000

50000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 7.580 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN052449.D

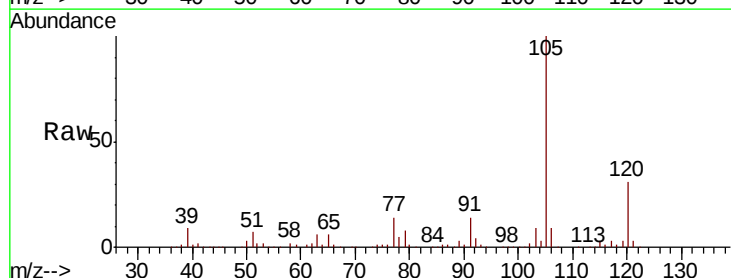
Acq: 21 Nov 2018 20:03

Tgt Ion: 91 Resp: 83401

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

12.65

80000

60000

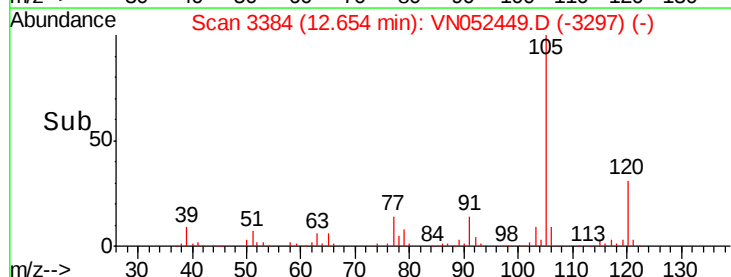
40000

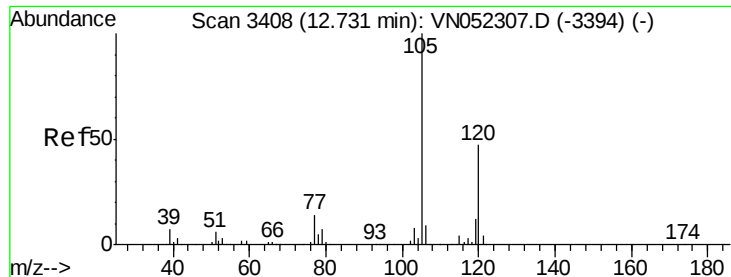
20000

0

Time-->

12.60 12.65





#80

1,3,5-Trimethylbenzene

Concen: 19.109 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

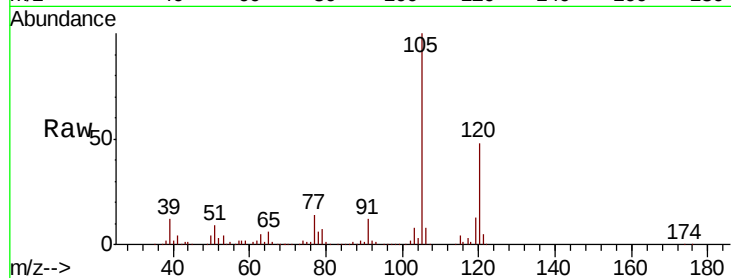
ClientSampled :

Tot Ion:105 Resp: 244724

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

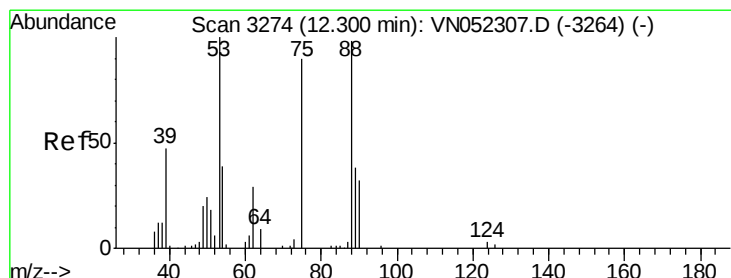
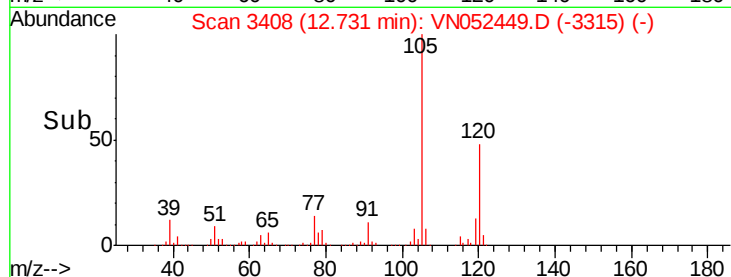
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 128.510 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

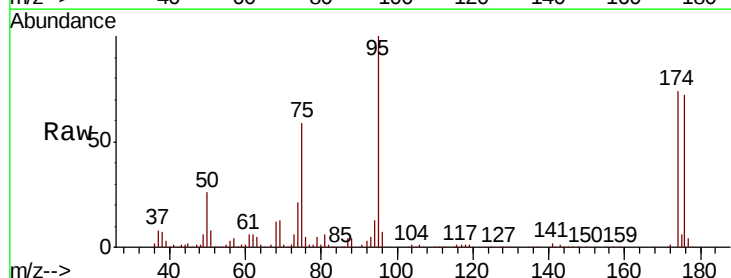
Tgt Ion: 75 Resp: 134665

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

100000

80000

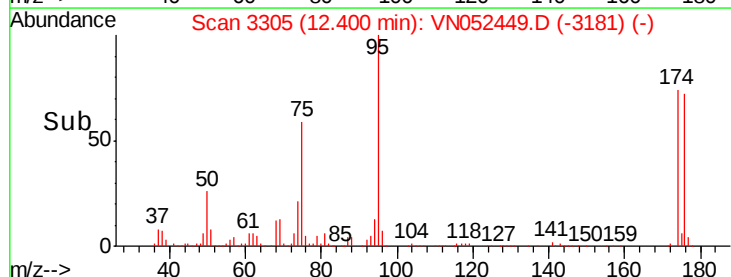
60000

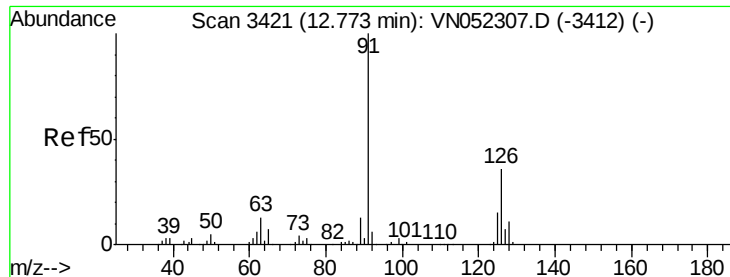
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 2.563 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

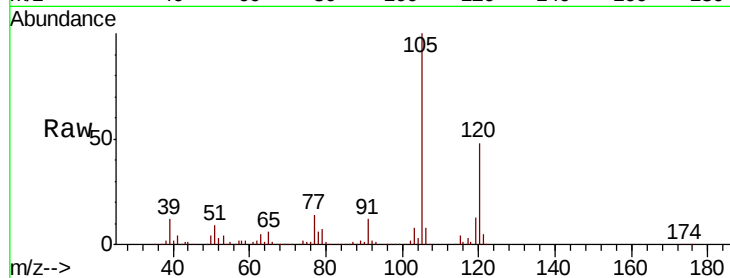
ClientSampleId :

Tot Ion: 91 Resp: 28889

Ion Ratio Lower Upper

91 100

126 0.0 17.0 50.9#



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3412) (-)

30000

25000

20000

15000

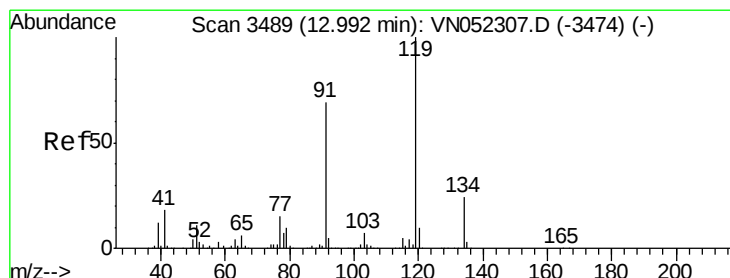
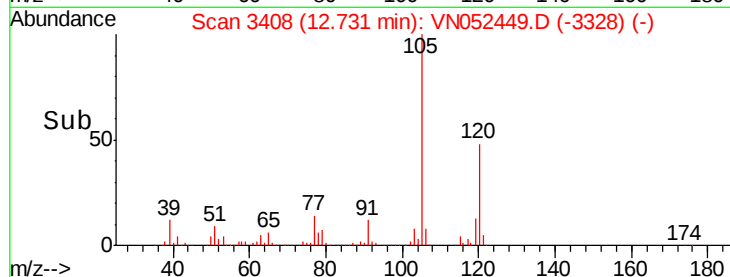
10000

5000

0

12.70 12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: 9.596 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

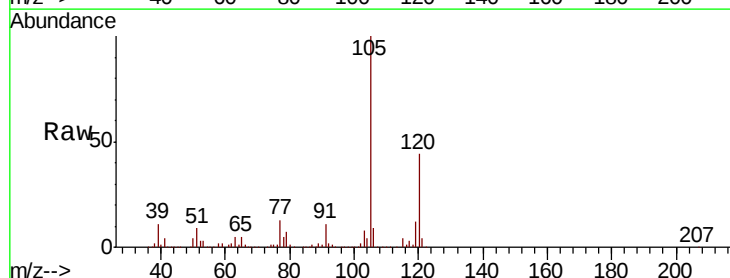
Tgt Ion: 119 Resp: 108496

Ion Ratio Lower Upper

119 100

91 94.0 33.8 101.3

134 0.0 11.9 35.9#



Abundance Ion 119.00 (118.70 to 119.70): VN052307.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3474) (-)

80000

60000

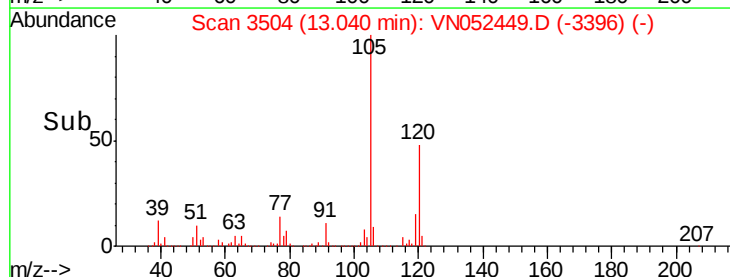
40000

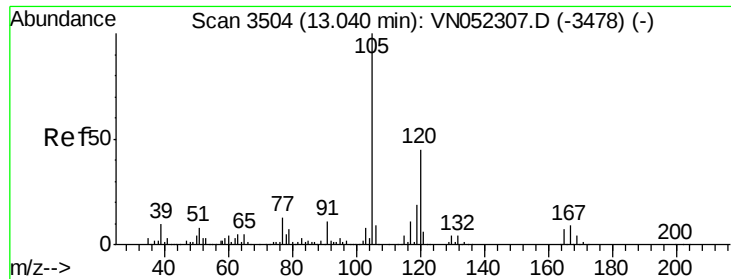
20000

0

13.00 13.10

Time-->

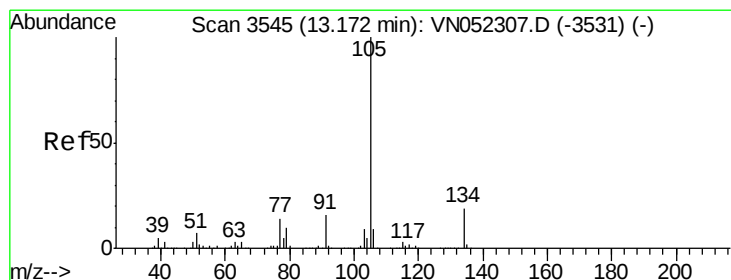
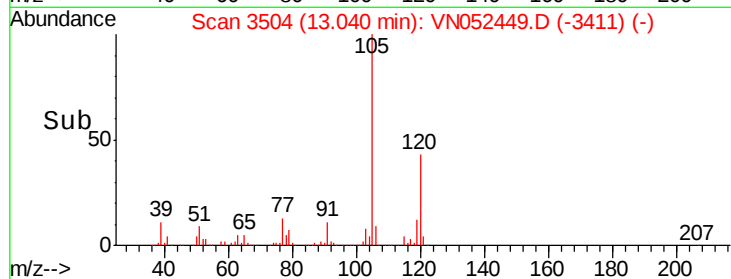
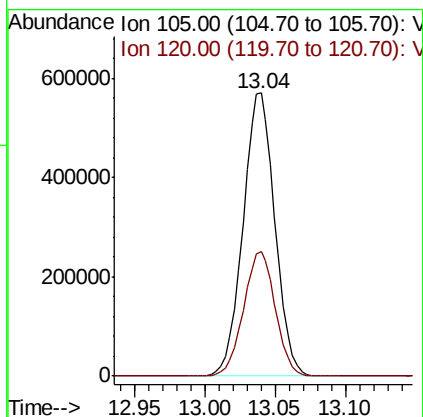
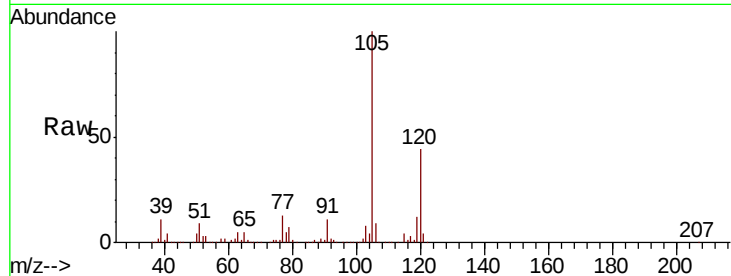




#84
 1,2,4-Trimethylbenzene
 Concen: 69.972 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

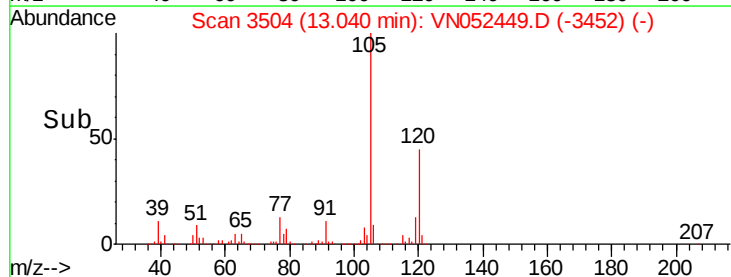
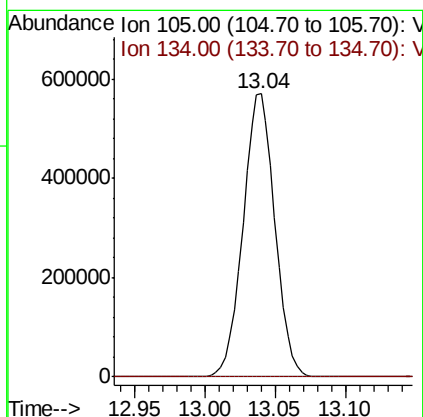
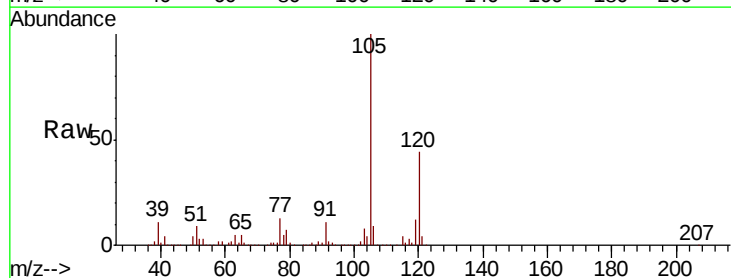
Instrument :
 MSVOA_N
 ClientSampleId :

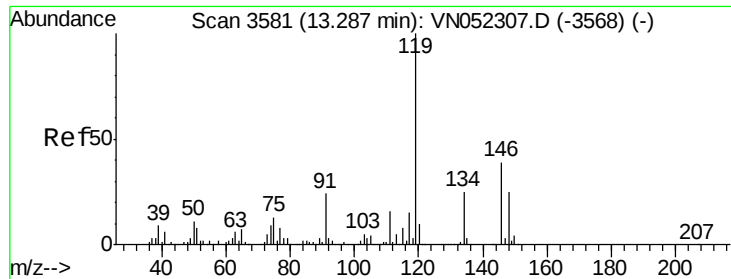
Tot Ion:105 Resp: 899581
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 58.408 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion:105 Resp: 899581
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#

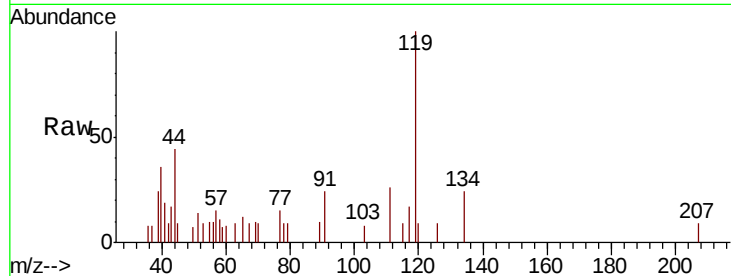




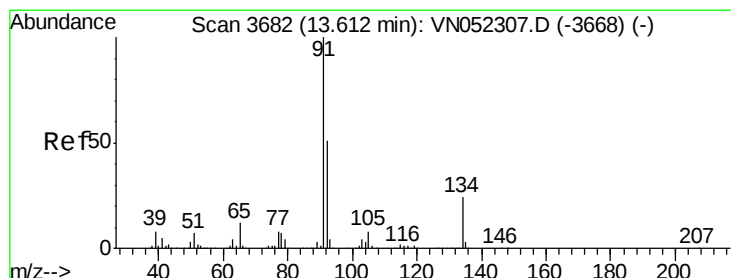
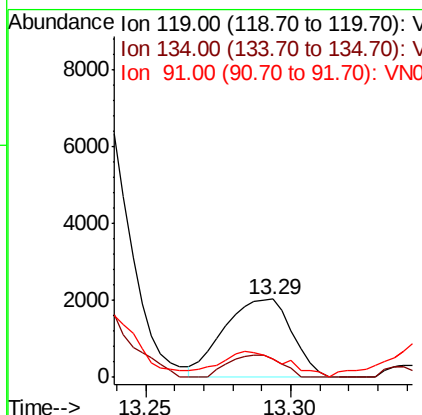
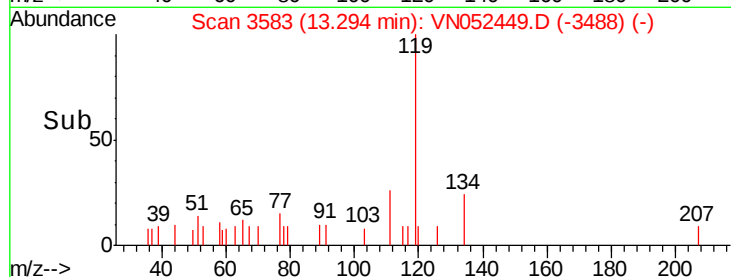
#86
 p-Isopropyltoluene
 Concen: 0.254 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 119 Resp: 3314
 Ion Ratio Lower Upper
 119 100
 134 22.0 13.0 38.9
 91 0.0 12.4 37.0#

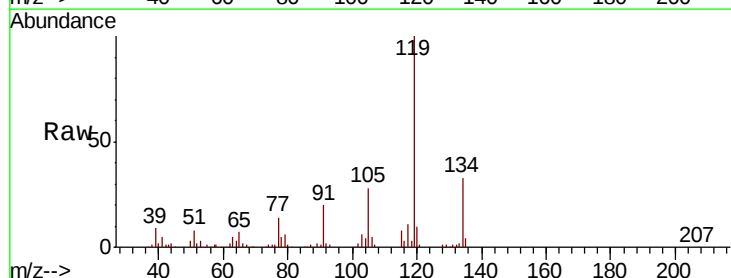


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

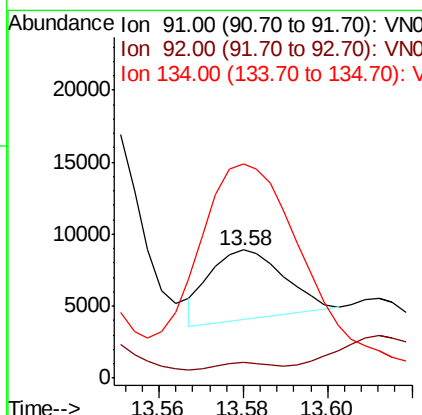
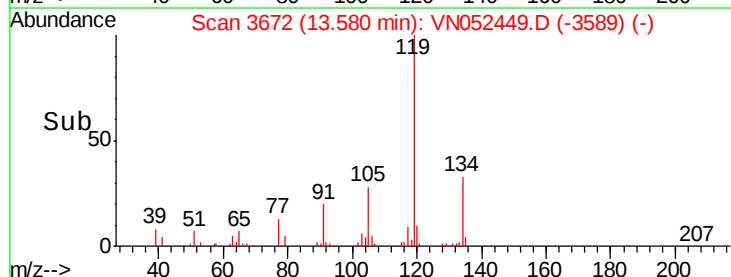


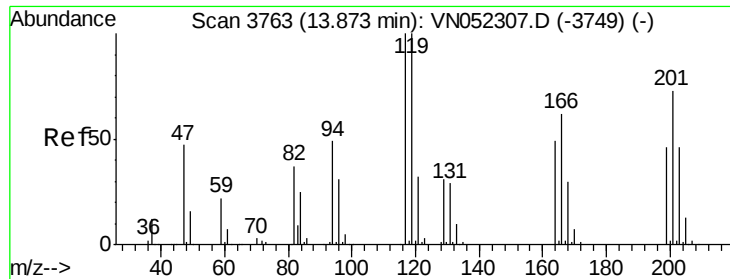
#89
 n-Butylbenzene
 Concen: 0.528 ug/l
 RT: 13.58 min Scan# 3672
 Delta R.T. -0.03 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion: 91 Resp: 5912
 Ion Ratio Lower Upper
 91 100
 92 20.8 25.4 76.2#
 134 470.0 12.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.730 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

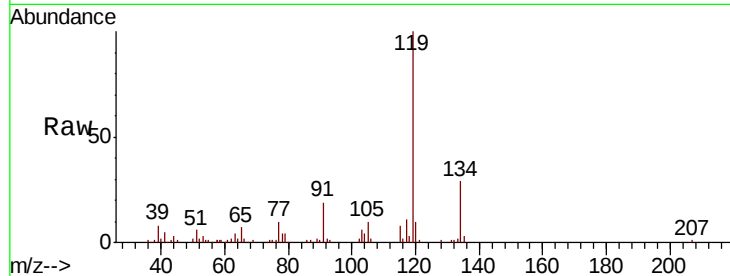
ClientSampled :

Tot Ion:117 Resp: 6308

Ion Ratio Lower Upper

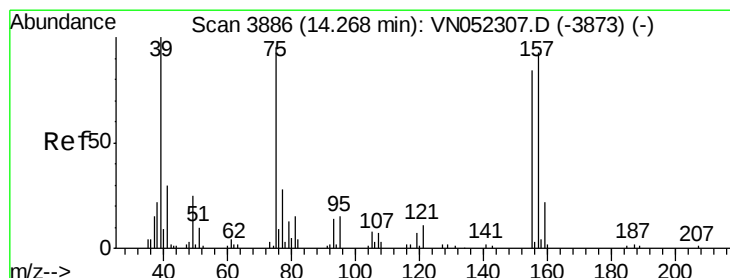
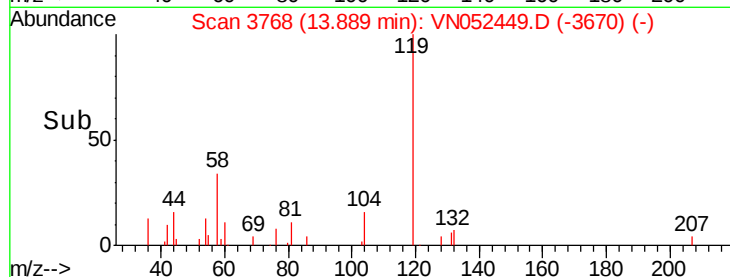
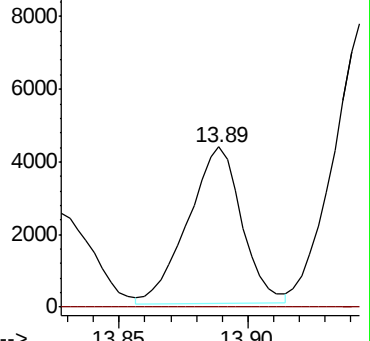
117 100

201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.880 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

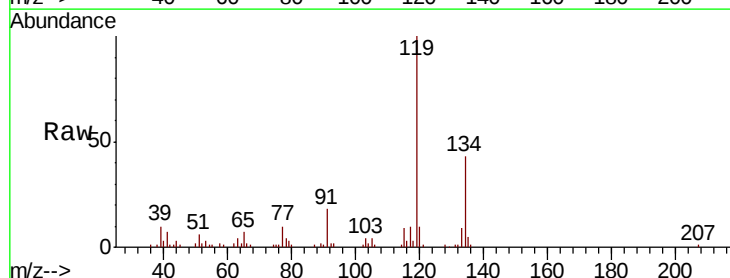
Tgt Ion: 75 Resp: 505

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.3#

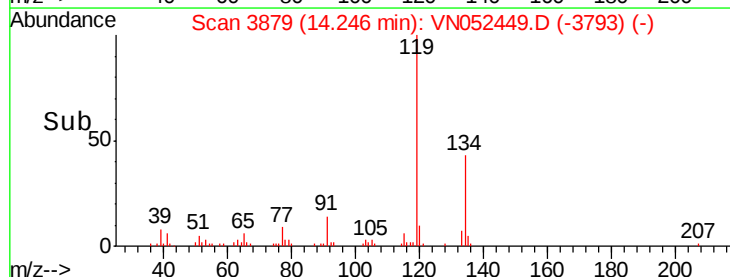
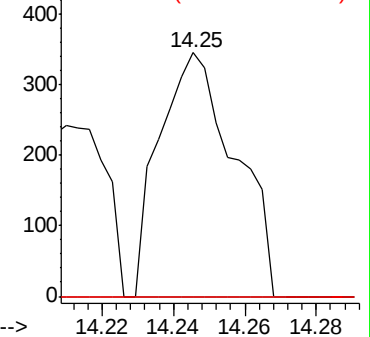
157 0.0 49.6 149.0#

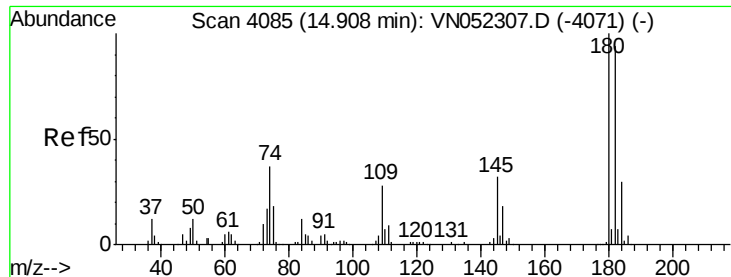


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

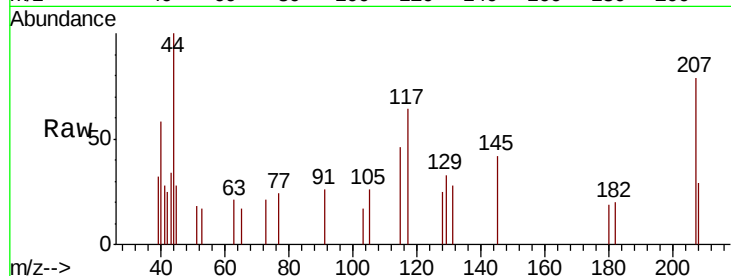




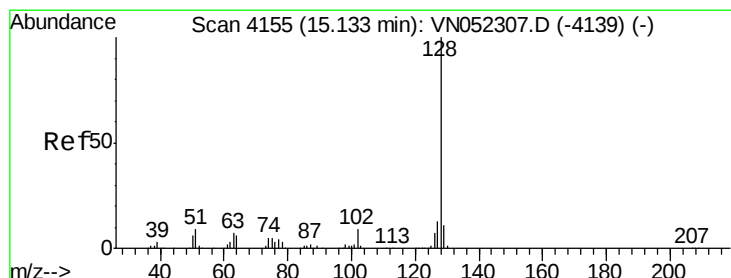
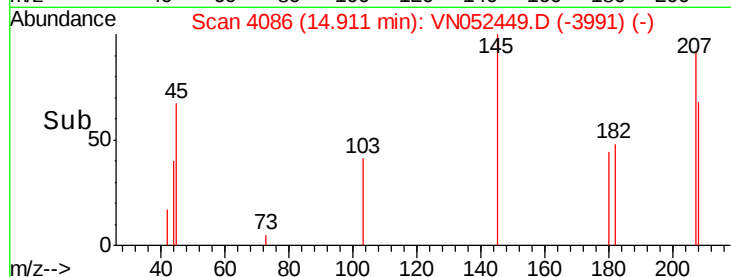
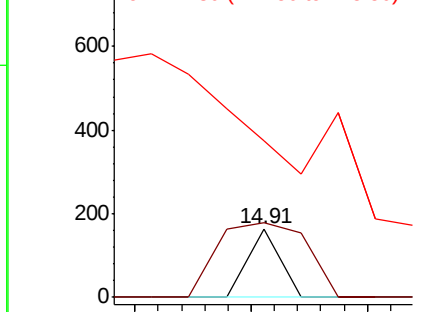
#93
 1,2,4-Trichlorobenzene
 Concen: 2.267 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 32
 Ion Ratio Lower Upper
 180 100
 182 296.9 47.6 142.9#
 145 4121.9 15.5 46.5#

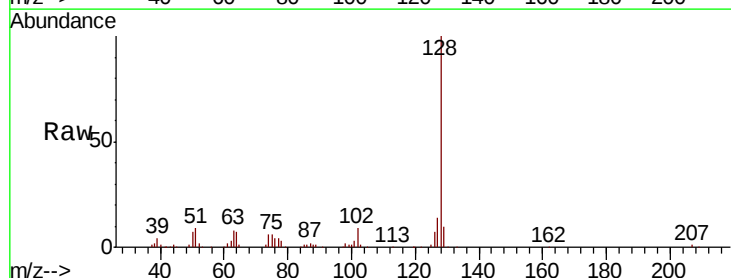


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 20.272 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion:128 Resp: 132155
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.4 15.6
 129 10.8 8.6 13.0



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

