

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055208.D
 Acq On : 23 Apr 2019 16:03
 Operator : JC/SP
 Sample : K2204-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-042219

Quant Time: Apr 24 02:51:24 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	368457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	647753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179721	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	256990	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	210021	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	10.09	98	780170	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	239361	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.80	59	195	0.670	ug/l #	71
13) Acrolein	3.60	56	34	9.584	ug/l #	14
14) Allyl chloride	4.55	41	35744	4.770	ug/l #	27
16) Acetone	3.82	43	13907	8.435	ug/l	96
17) Carbon Disulfide	4.06	76	5211	0.492	ug/l	99
18) Methyl Acetate	4.34	43	6106	0.610	ug/l #	77
20) Methylene Chloride	4.55	84	773318	163.160	ug/l	99
25) 2-Butanone	6.86	43	7442	3.496	ug/l	92
29) Tetrahydrofuran	7.23	42	2191	1.674	ug/l #	39
30) Chloroform	7.38	83	5558	0.727	ug/l	89
31) Cyclohexane	7.67	56	7864	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	28006	4.658	ug/l #	49
37) Ethyl Acetate	6.86	43	7442	1.534	ug/l #	72
38) Carbon Tetrachloride	7.67	117	35581	6.320	ug/l #	15
43) Isopropyl Acetate	8.18	43	27799	3.538	ug/l #	61
45) 1,2-Dichloropropane	9.27	63	1494	0.285	ug/l #	45
48) Methyl methacrylate	9.18	41	11341	2.976	ug/l #	15
49) 1,4-Dioxane	9.27	88	59	1.341	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	10434	2.308	ug/l #	39
52) Toluene	10.16	92	3744	0.344	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	65079	9.518	ug/l #	64
56) Ethyl methacrylate	10.54	69	1070	0.214	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	12358	1.771	ug/l #	43
59) 2-Hexanone	10.76	43	193727	67.837	ug/l #	55
67) Ethyl Benzene	11.51	91	40641	1.974	ug/l	99
68) m/p-Xylenes	11.62	106	69413	9.398	ug/l	99
69) o-Xylene	11.95	106	30213	4.122	ug/l	100
70) Styrene	11.95	104	3034	0.267	ug/l #	1
71) Bromoform	12.40	173	926	0.362	ug/l #	1
73) Isopropylbenzene	12.25	105	2749	Below Cal		94
75) 1,1,2,2-Tetrachloroethane	12.40	83	116	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	123601	33.900	ug/l #	100
78) n-propylbenzene	12.59	91	11610	0.644	ug/l	97
79) 2-Chlorotoluene	12.65	91	6952	0.611	ug/l #	41

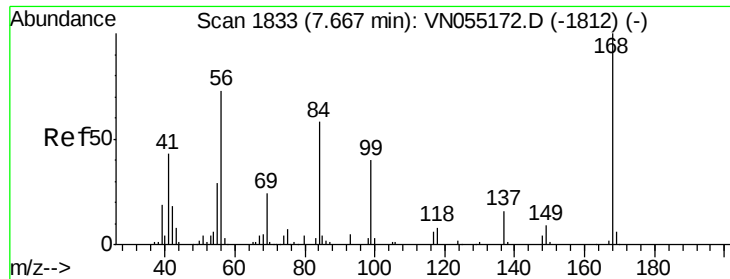
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055208.D
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 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	44456	3.304	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	123601	128.509	ug/l #	5
82) 4-Chlorotoluene	12.73	91	4654	0.444	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	199258	15.694	ug/l	97
85) sec-Butylbenzene	13.04	105	199258	13.091	ug/l #	57
86) p-Isopropyltoluene	13.23	119	3643	0.291	ug/l	85
90) Hexachloroethane	13.89	117	934	0.420	ug/l #	6
95) Naphthalene	15.13	128	15029	5.815	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

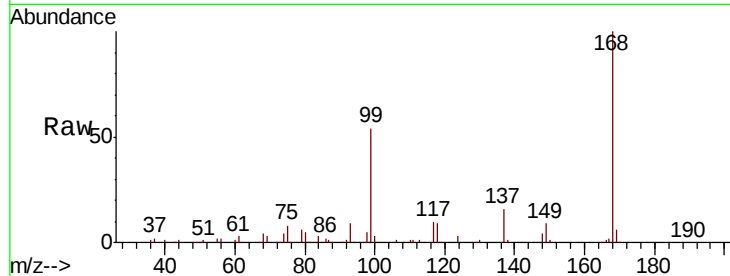
TR-05-042219

Tgt Ion:168 Resp: 368457

Ion Ratio Lower Upper

168 100

99 54.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

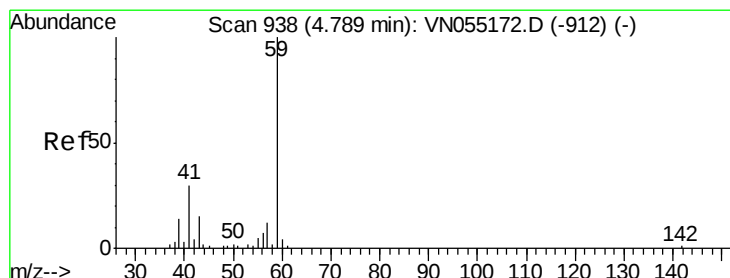
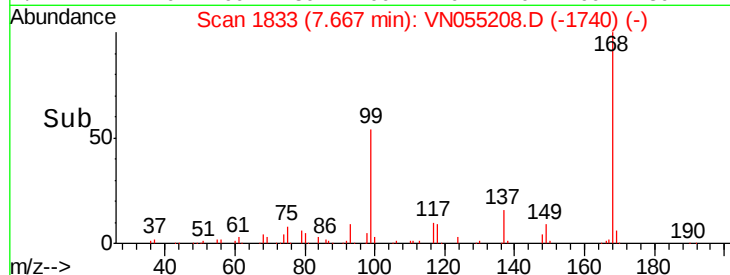
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.670 ug/l

RT: 4.80 min Scan# 942

Delta R.T. 0.01 min

Lab File: VN055208.D

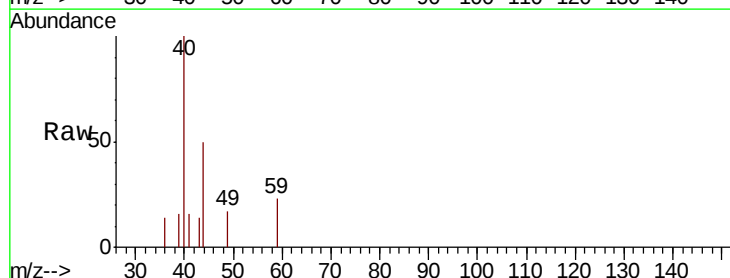
Acq: 23 Apr 2019 16:03

Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.80

300

250

200

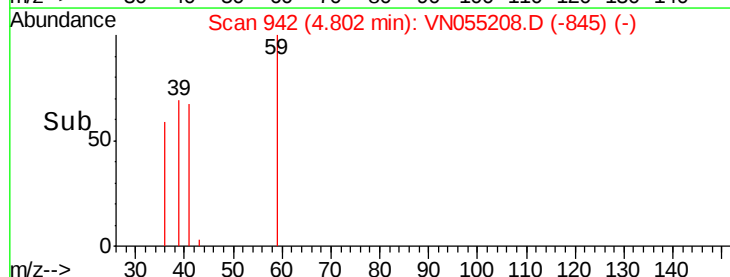
150

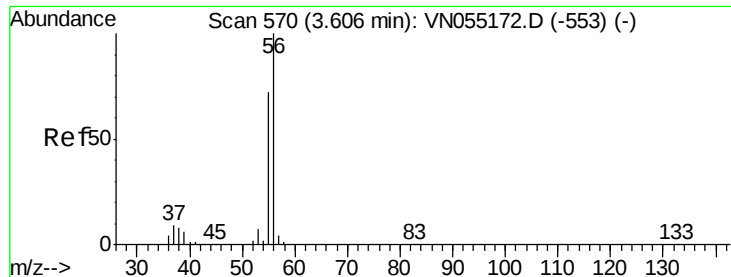
100

50

0

Time-->





#13

Acrolein

Concen: 9.584 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

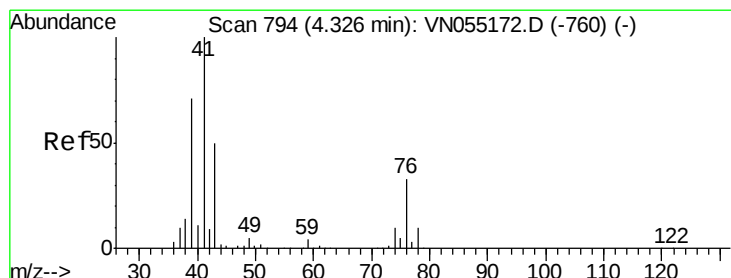
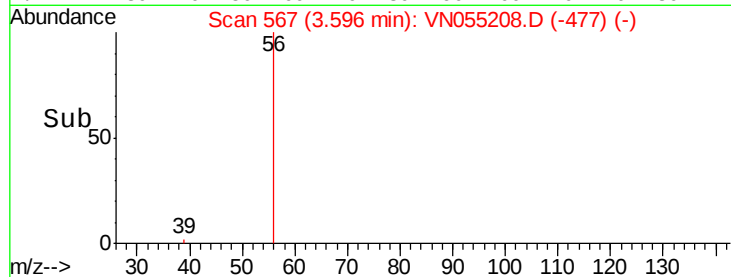
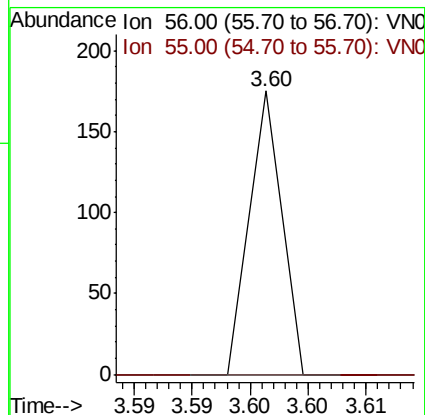
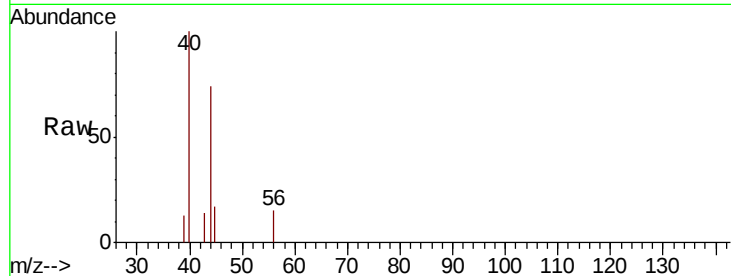
TR-05-042219

Tgt Ion: 56 Resp: 34

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#14

Allyl chloride

Concen: 4.770 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

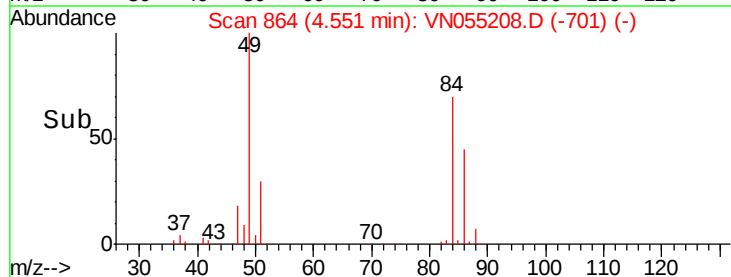
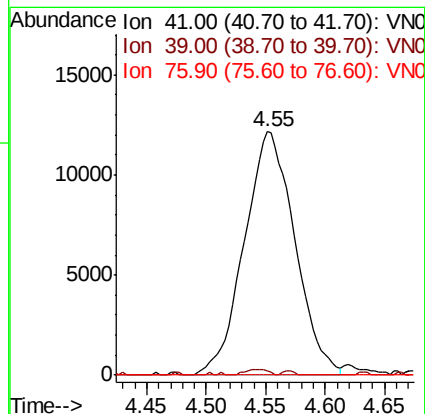
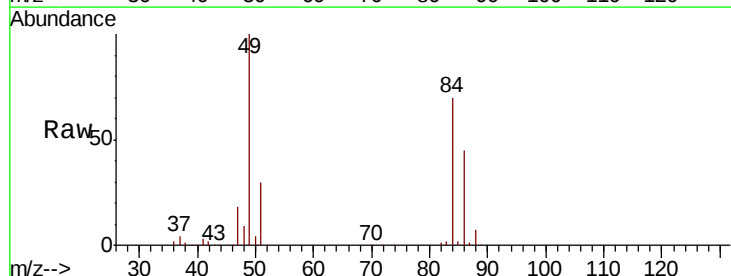
Tgt Ion: 41 Resp: 35744

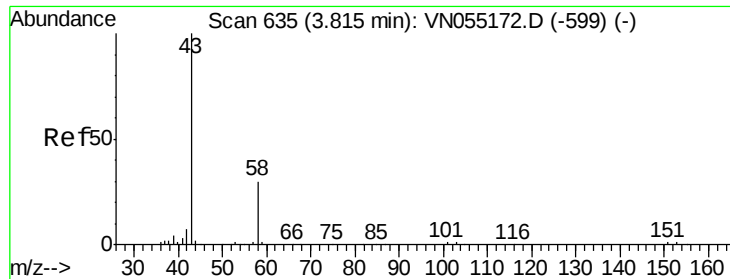
Ion Ratio Lower Upper

41 100

39 1.1 52.9 79.3#

76 0.0 23.6 35.4#





#16

Acetone

Concen: 8.435 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

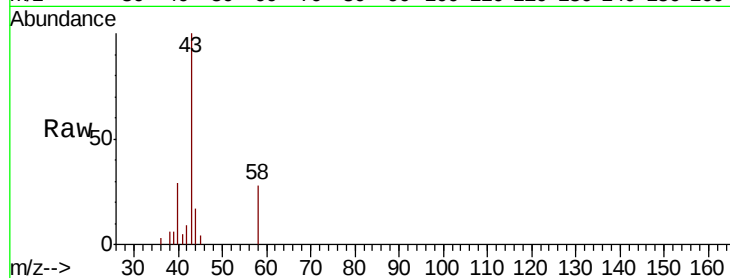
TR-05-042219

Tgt Ion: 43 Resp: 13907

Ion Ratio Lower Upper

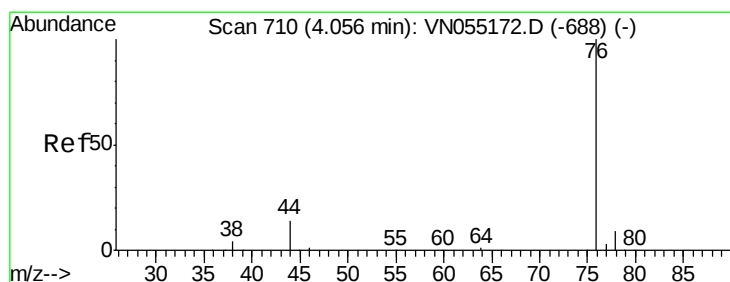
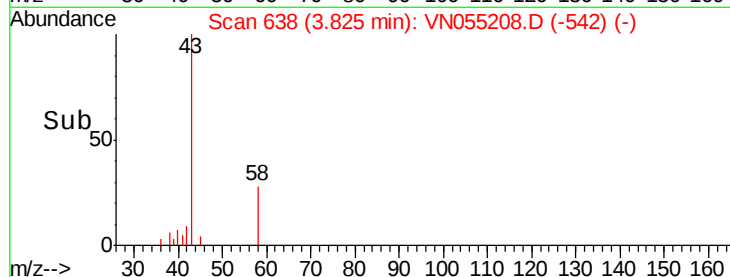
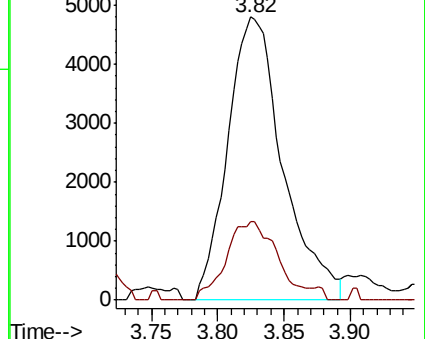
43 100

58 27.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055208.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN055208.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.492 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055208.D

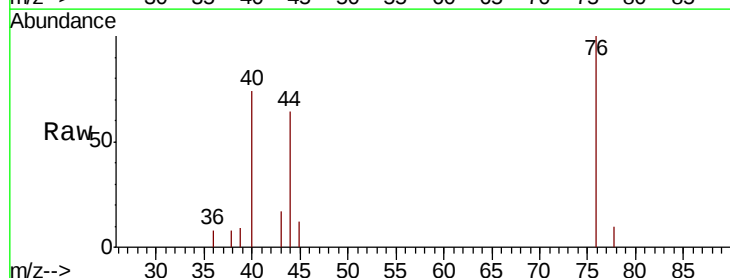
Acq: 23 Apr 2019 16:03

Tgt Ion: 76 Resp: 5211

Ion Ratio Lower Upper

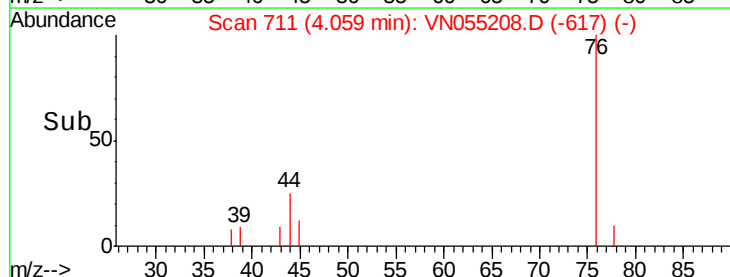
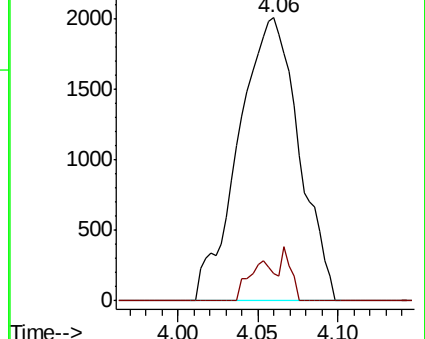
76 100

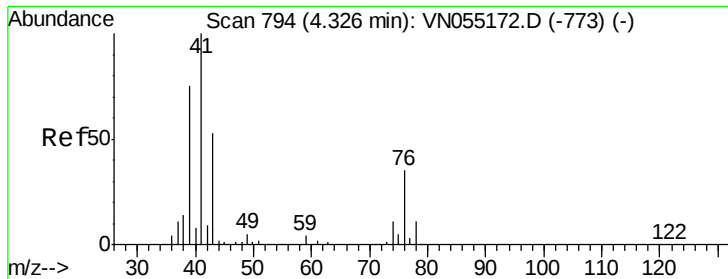
78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN055208.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN055208.D (-617) (-)

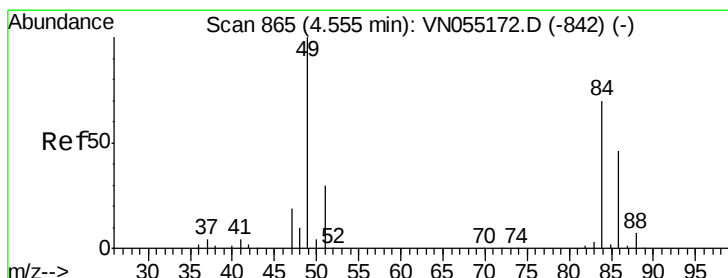
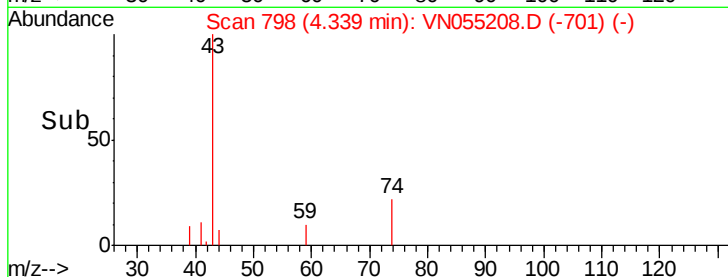
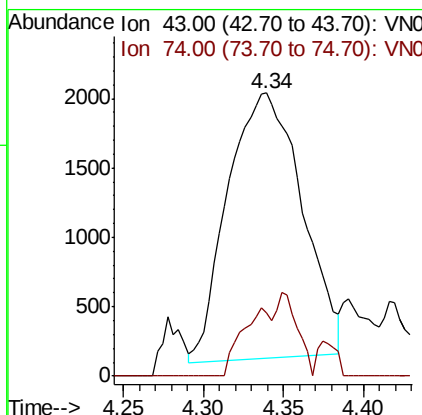
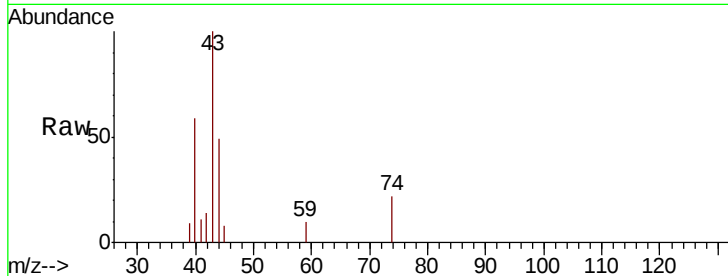




#18
Methyl Acetate
Concen: 0.610 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

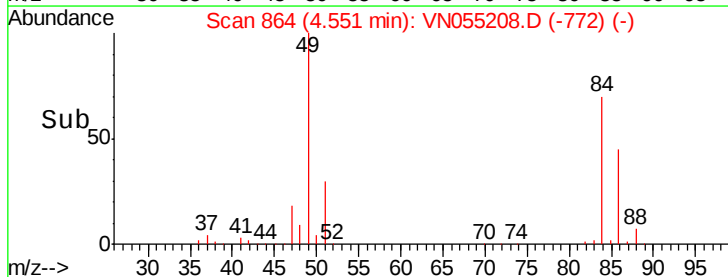
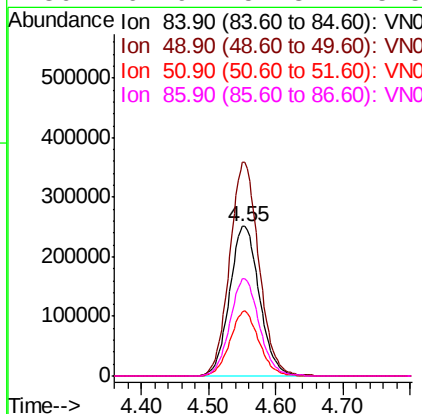
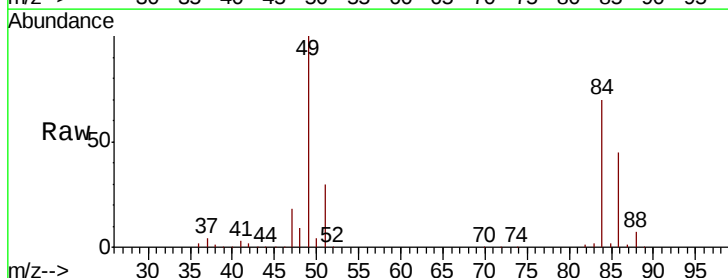
Instrument :
MSVOA_N
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TR-05-042219

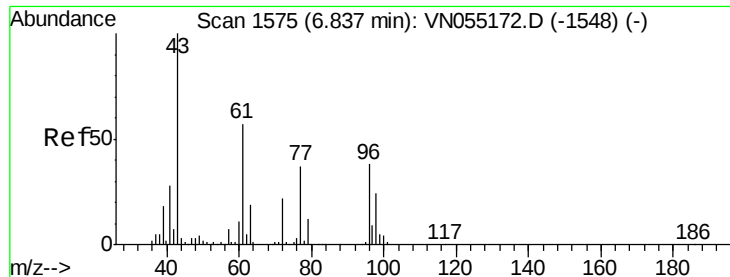
Tgt Ion: 43 Resp: 6106
Ion Ratio Lower Upper
43 100
74 10.2 16.7 25.1#



#20
Methylene Chloride
Concen: 163.160 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 84 Resp: 773318
Ion Ratio Lower Upper
84 100
49 142.8 113.8 170.6
51 43.1 34.0 51.0
86 64.9 52.3 78.5

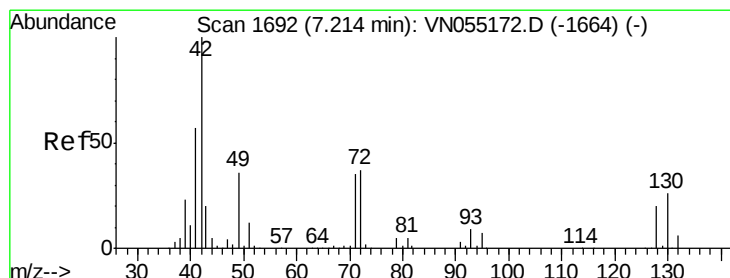
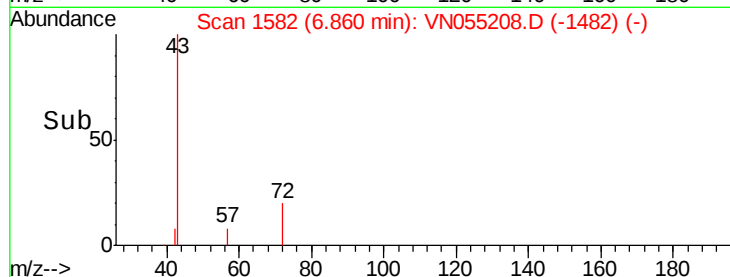
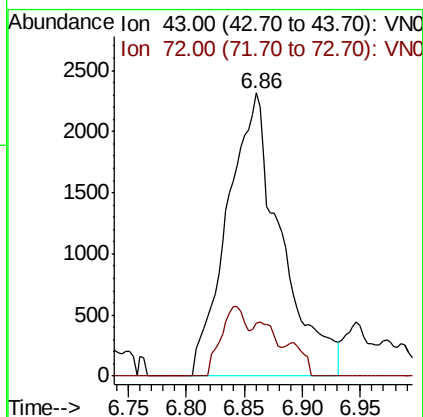
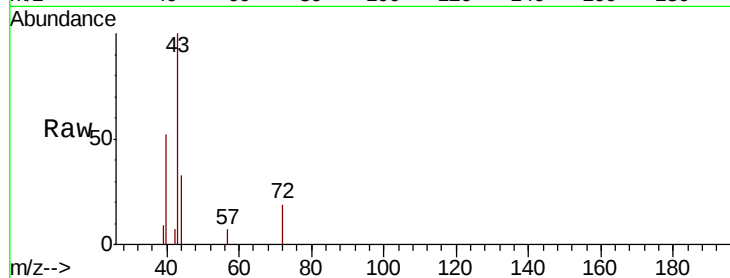




#25
 2-Butanone
 Concen: 3.496 ug/l
 RT: 6.86 min Scan# 1582
 Delta R.T. 0.02 min
 Lab File: VN055208.D
 Acq: 23 Apr 2019 16:03

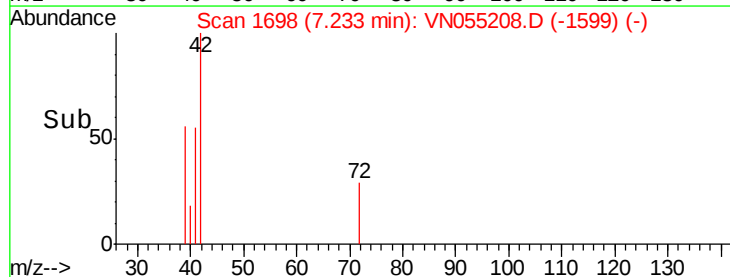
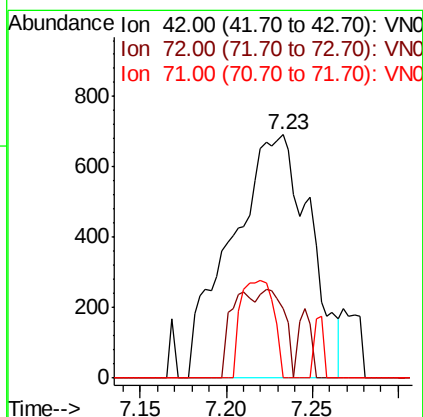
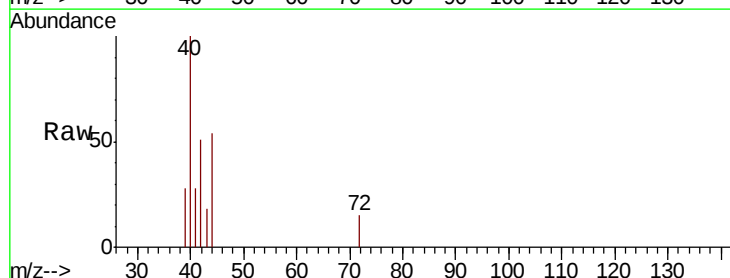
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 MSVOA_N
 ClientSampled :
 TR-05-042219

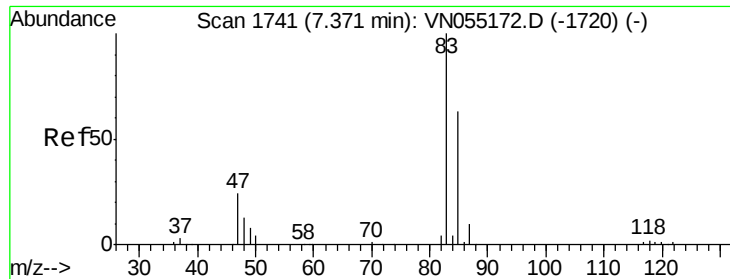
Tgt Ion: 43 Resp: 7442
 Ion Ratio Lower Upper
 43 100
 72 18.7 17.8 26.8



#29
 Tetrahydrofuran
 Concen: 1.674 ug/l
 RT: 7.23 min Scan# 1698
 Delta R.T. 0.02 min
 Lab File: VN055208.D
 Acq: 23 Apr 2019 16:03

Tgt Ion: 42 Resp: 2191
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.4 44.2#
 71 0.0 27.8 41.8#

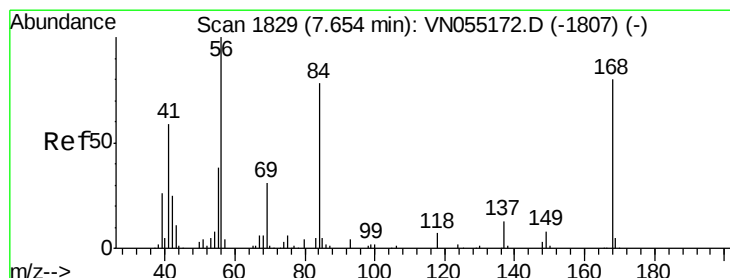
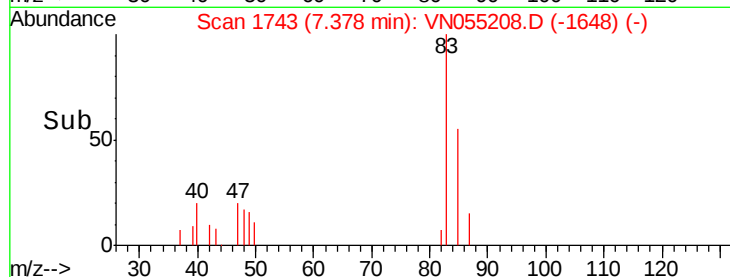
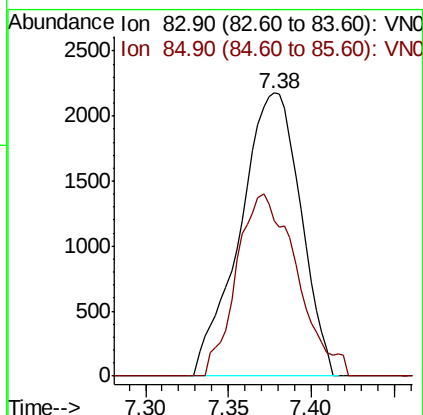
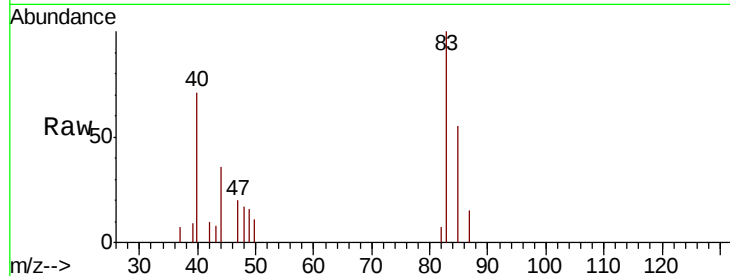




#30
Chloroform
Concen: 0.727 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

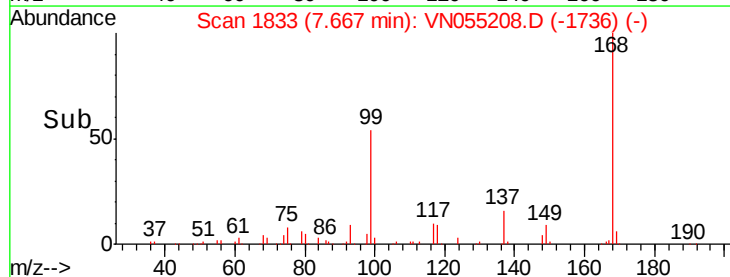
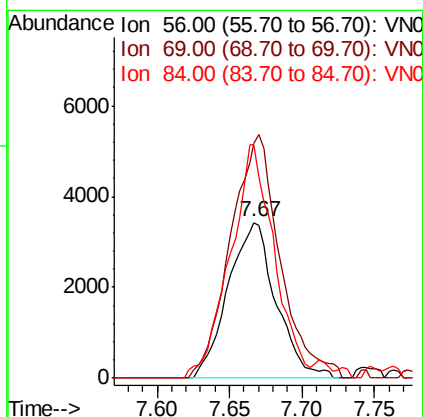
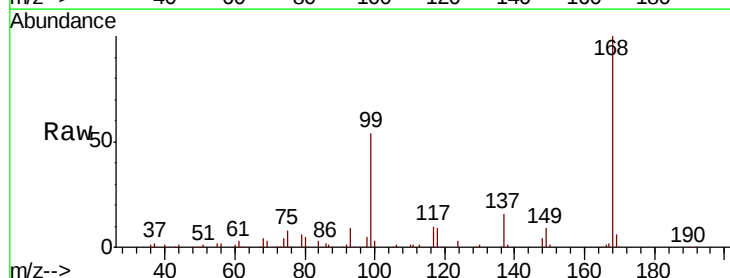
Instrument :
MSVOA_N
ClientSampleId :
TR-05-042219

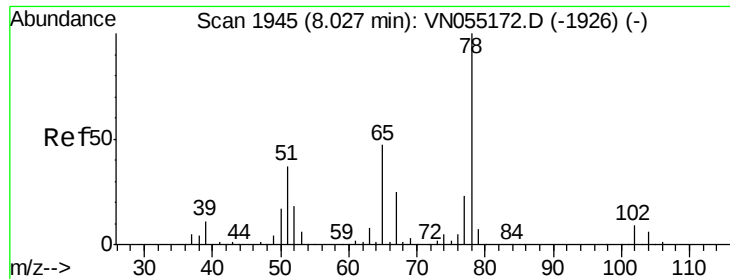
Tgt Ion: 83 Resp: 5558
Ion Ratio Lower Upper
83 100
85 54.8 50.6 76.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 56 Resp: 7864
Ion Ratio Lower Upper
56 100
69 151.1 24.6 37.0#
84 145.0 61.4 92.2#





#33

1,2-Dichloroethane-d4

Concen: 51.530 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

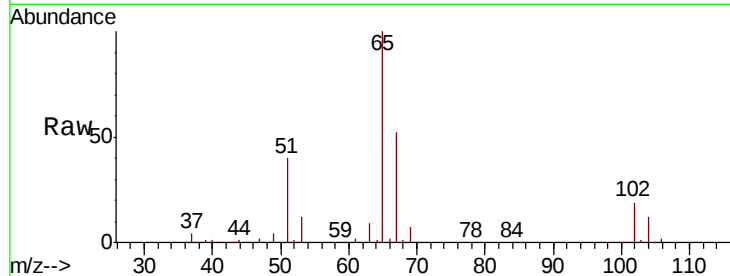
TR-05-042219

Tgt Ion: 65 Resp: 256990

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055208.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055208.D (-1852) (-)

8.03

120000

100000

80000

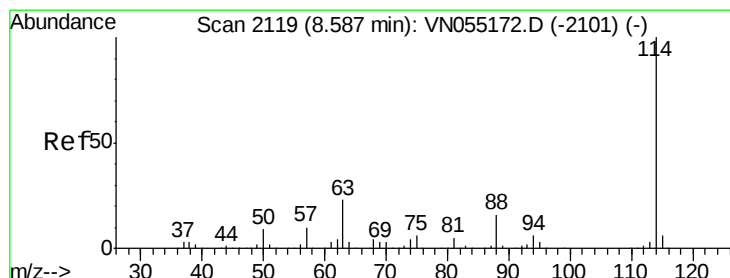
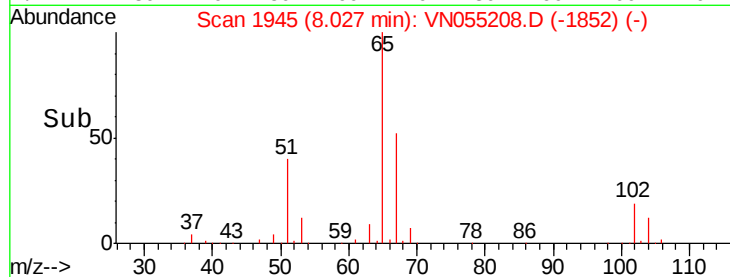
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

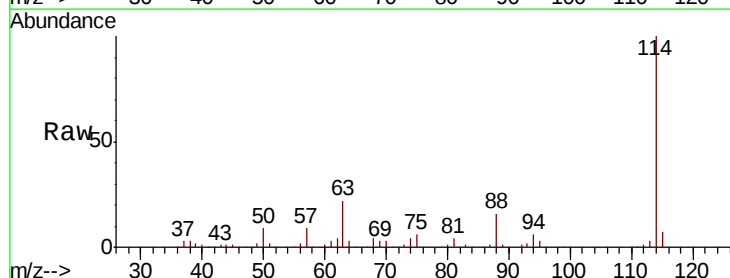
Tgt Ion: 114 Resp: 647753

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 15.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN055208.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055208.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055208.D (-2026) (-)

8.59

400000

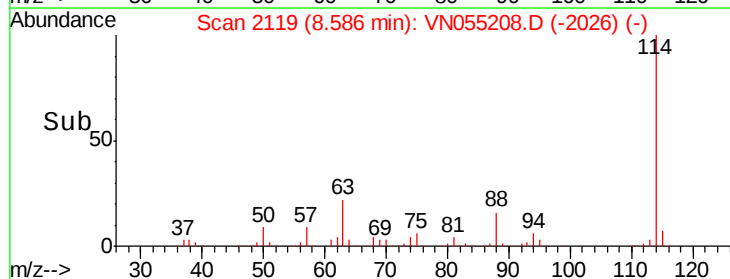
300000

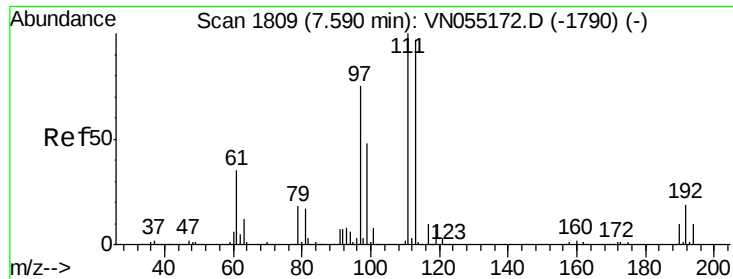
200000

100000

0

Time--> 8.50 8.60 8.70 8.80

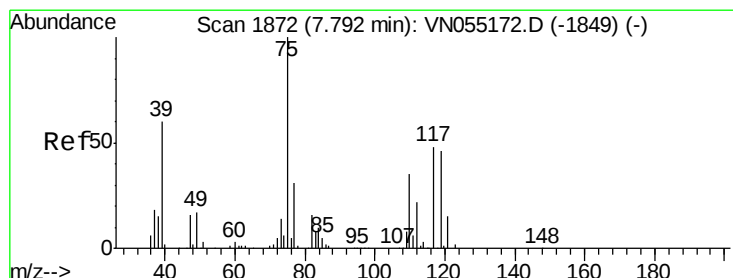
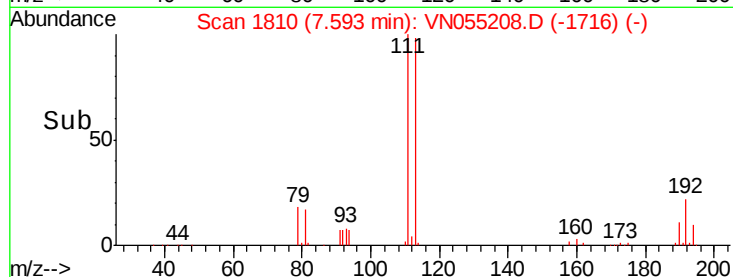
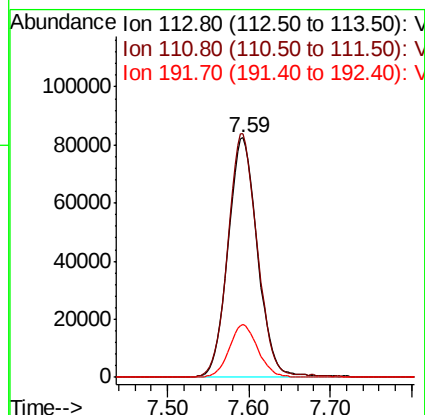
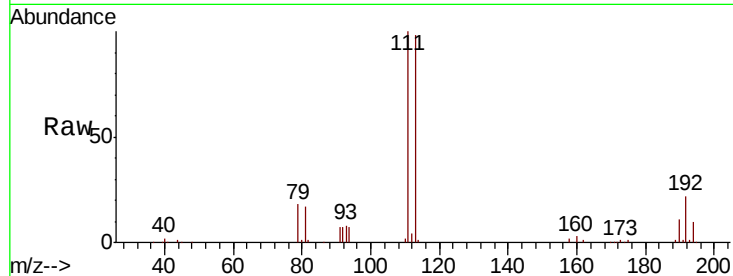




#35
 Dibromofluoromethane
 Concen: 47.727 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055208.D
 Acq: 23 Apr 2019 16:03

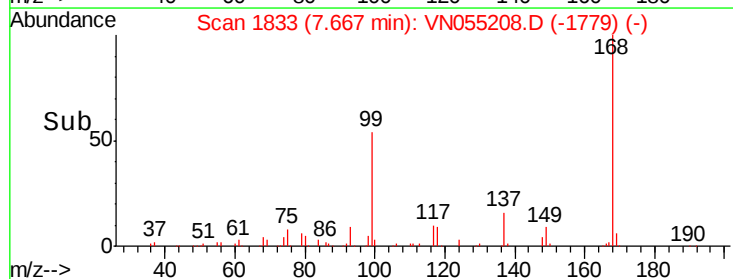
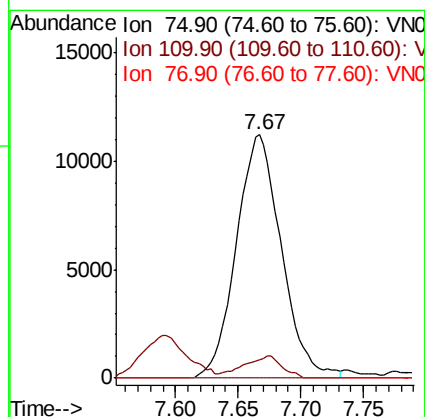
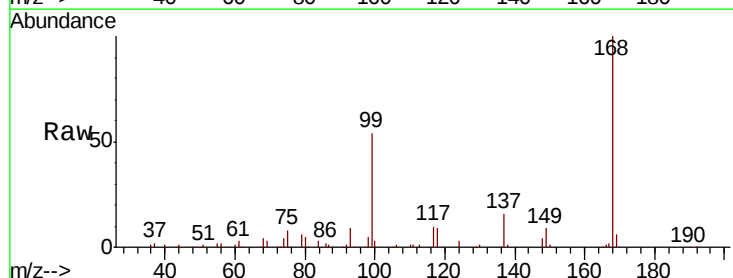
Instrument :
 MSVOA_N
 ClientSampled :
 TR-05-042219

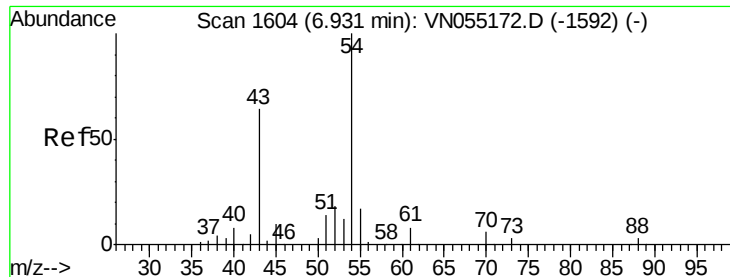
Tgt Ion:113 Resp: 210021
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.0 121.4
 192 21.4 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.658 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055208.D
 Acq: 23 Apr 2019 16:03

Tgt Ion: 75 Resp: 28006
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.1 51.2#
 77 0.0 24.6 36.8#

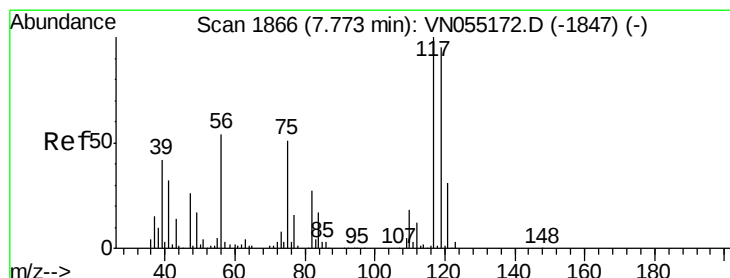
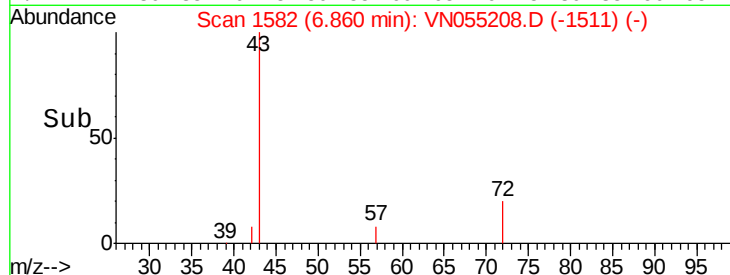
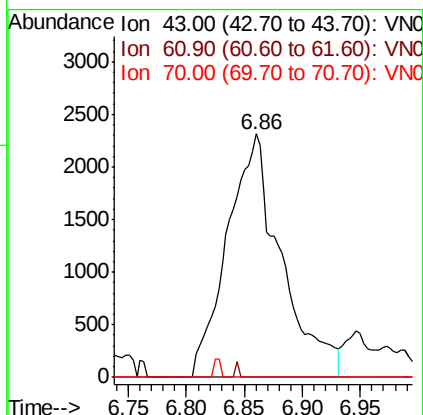
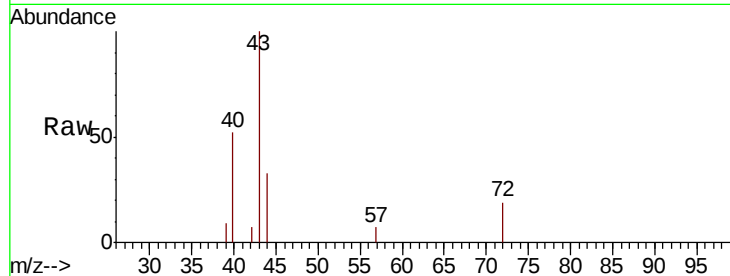




#37
Ethyl Acetate
Concen: 1.534 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. -0.07 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

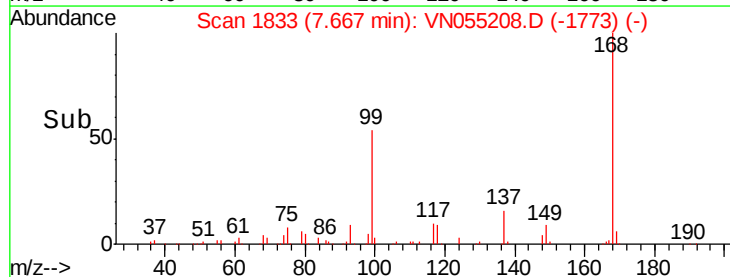
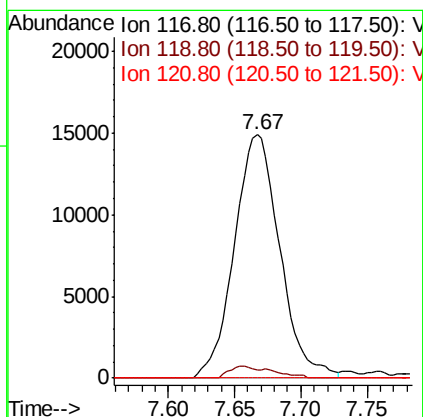
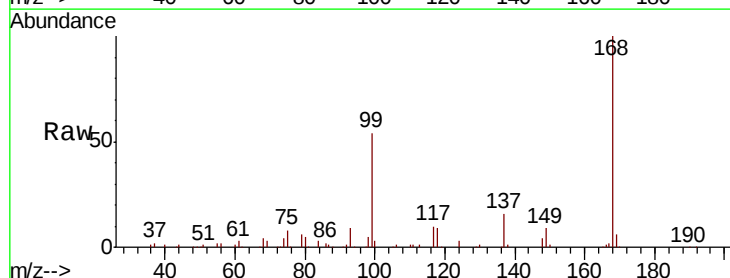
Instrument :
MSVOA_N
ClientSampleId :
TR-05-042219

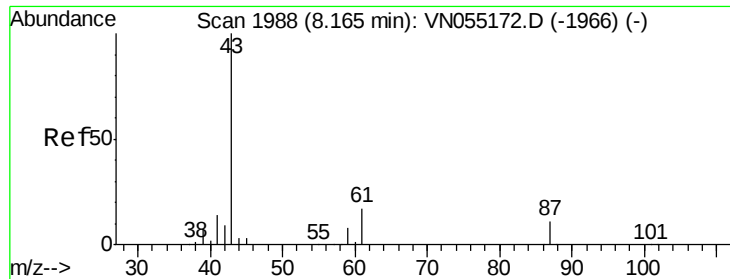
Tgt Ion: 43 Resp: 7442
Ion Ratio Lower Upper
43 100
61 0.4 9.7 14.5#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 117 Resp: 35581
Ion Ratio Lower Upper
117 100
119 3.5 76.0 114.0#
121 0.0 24.6 36.8#

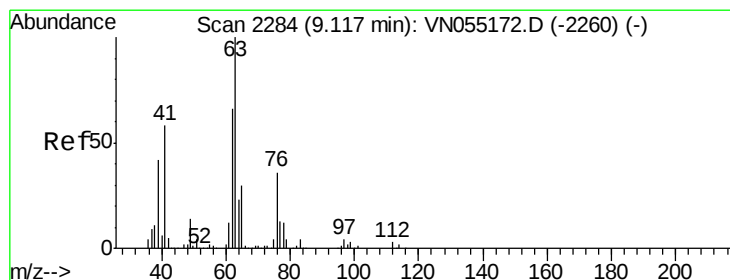
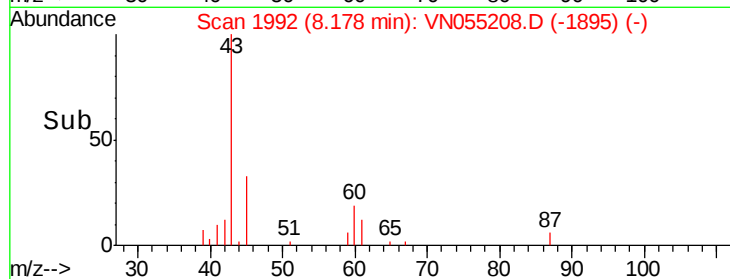
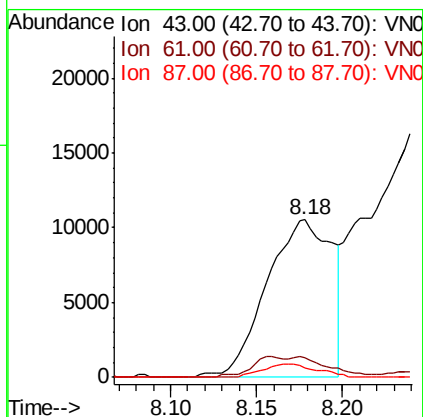
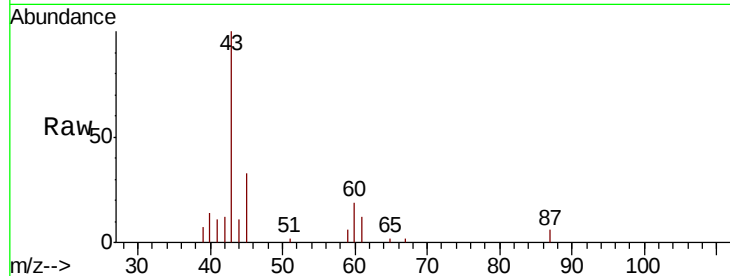




#43
Isopropyl Acetate
Concen: 3.538 ug/l
RT: 8.18 min Scan# 1992
Delta R.T. 0.01 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

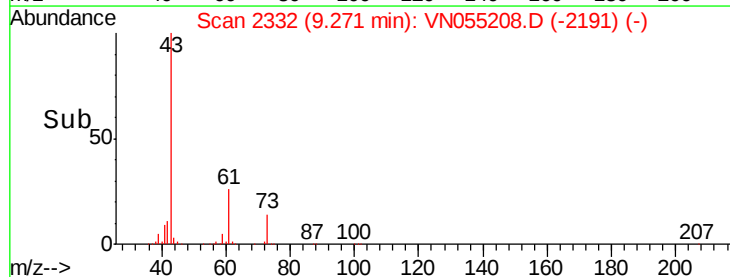
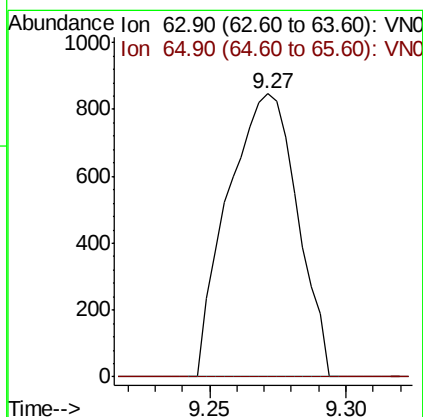
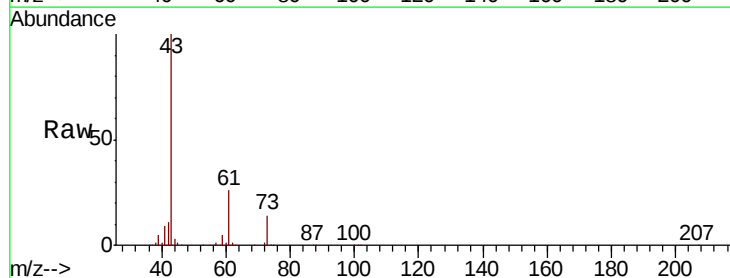
Instrument :
MSVOA_N
ClientSampleId :
TR-05-042219

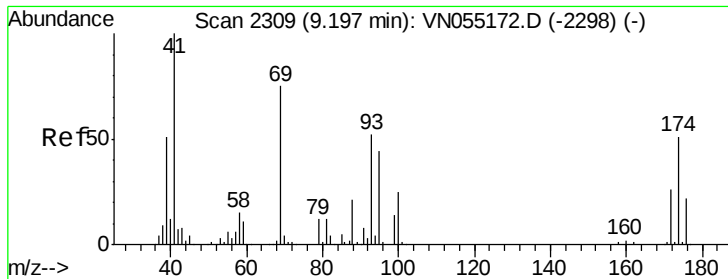
Tgt Ion: 43 Resp: 27799
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 7.0 8.8 13.2#



#45
1,2-Dichloropropane
Concen: 0.285 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.15 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 63 Resp: 1494
Ion Ratio Lower Upper
63 100
65 0.0 23.8 35.6#

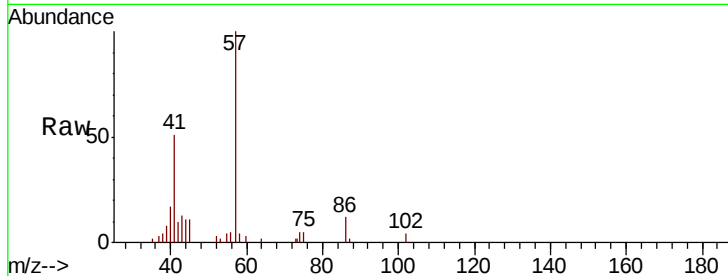




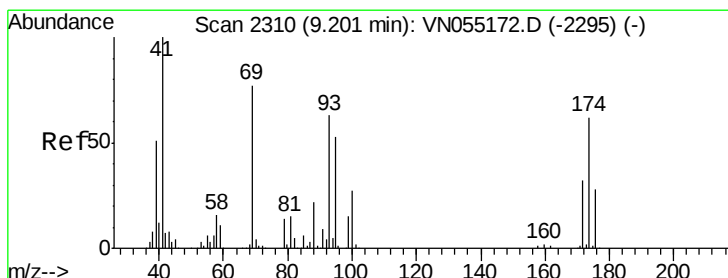
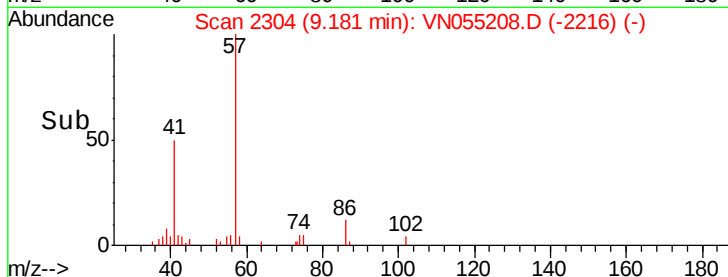
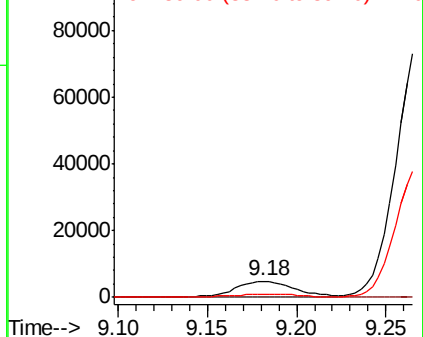
#48
Methyl methacrylate
Concen: 2.976 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
TR-05-042219

Tgt Ion: 41 Resp: 11341
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 0.0 43.8 65.8#

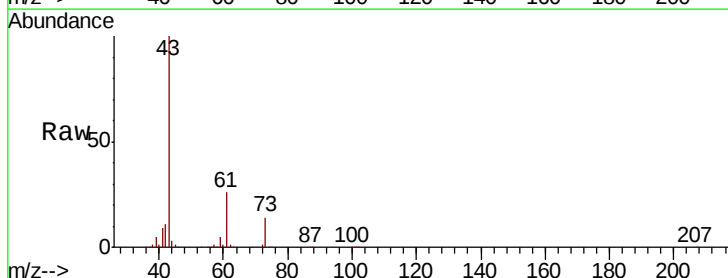


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

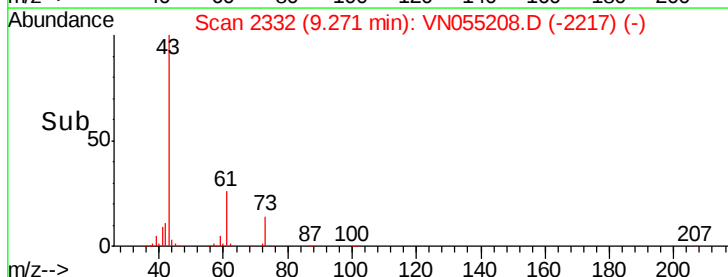
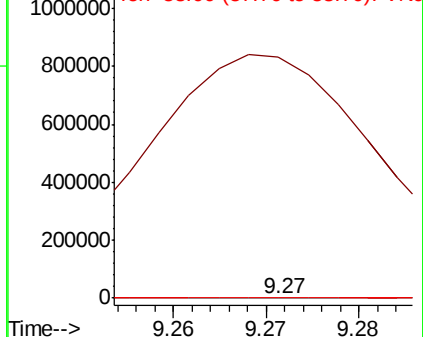


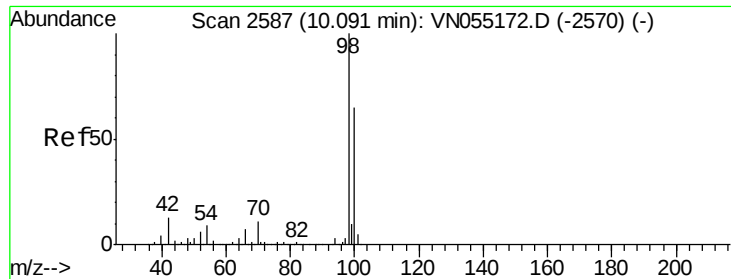
#49
1,4-Dioxane
Concen: 1.341 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 2759747.5 32.0 48.0#
58 11266.1 60.4 90.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 47.850 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

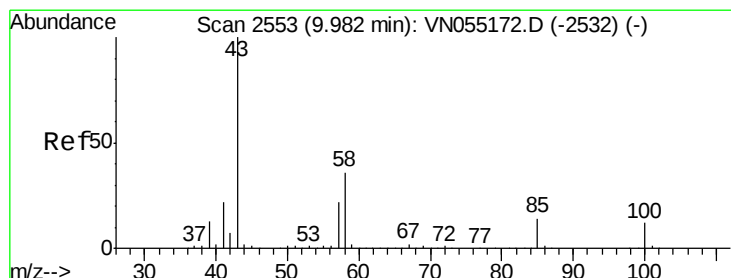
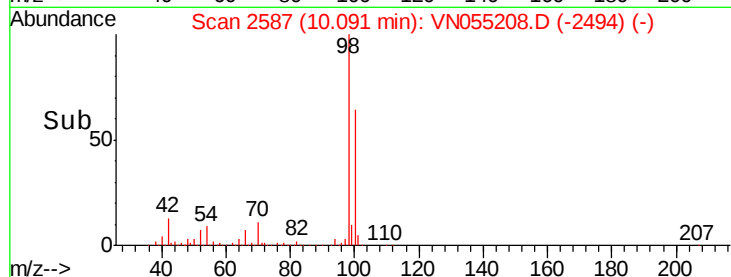
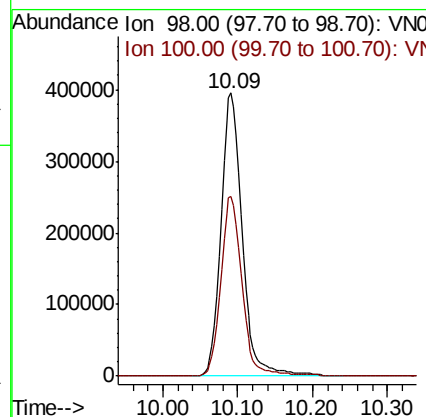
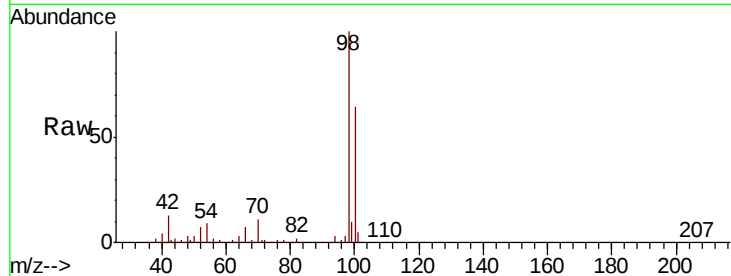
TR-05-042219

Tgt Ion: 98 Resp: 780170

Ion Ratio Lower Upper

98 100

100 62.9 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 2.308 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN055208.D

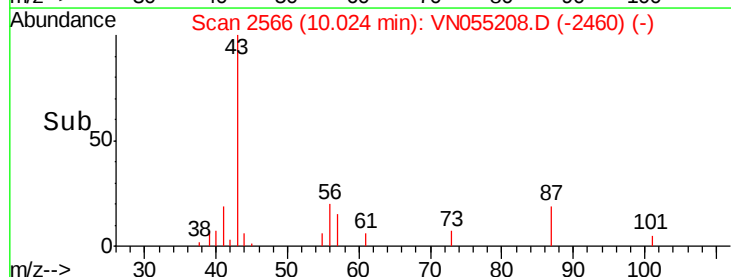
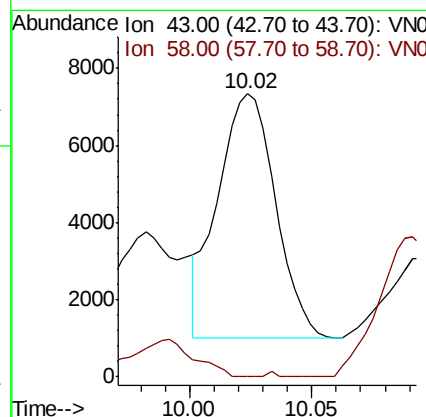
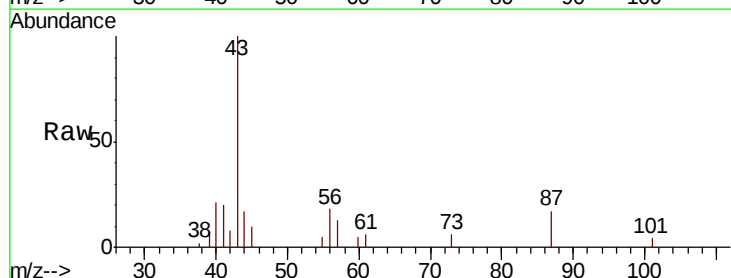
Acq: 23 Apr 2019 16:03

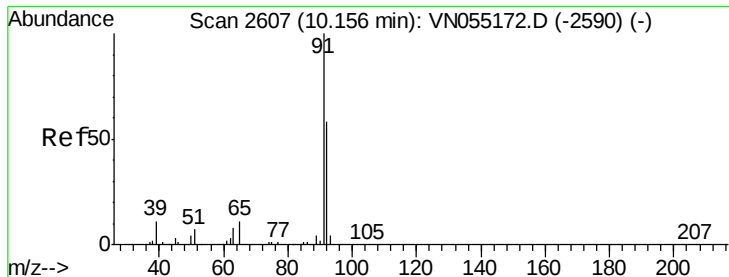
Tgt Ion: 43 Resp: 10434

Ion Ratio Lower Upper

43 100

58 0.0 28.3 42.5#





#52

Toluene

Concen: 0.344 ug/l

RT: 10.16 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

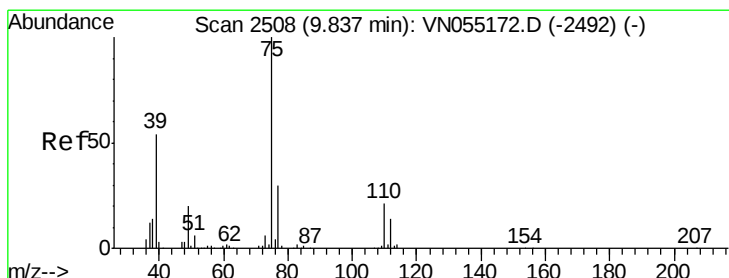
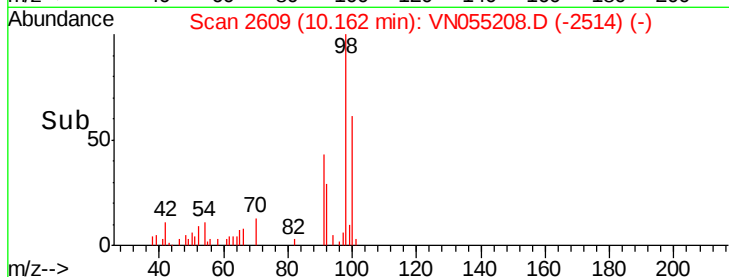
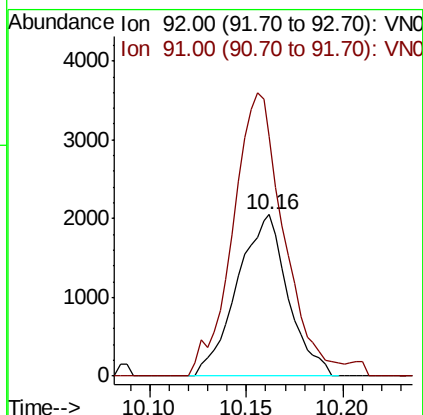
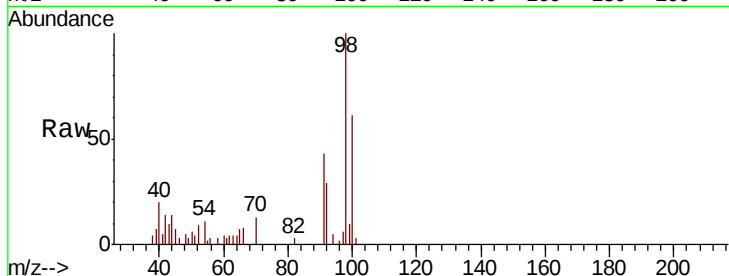
TR-05-042219

Tgt Ion: 92 Resp: 3744

Ion Ratio Lower Upper

92 100

91 175.9 138.7 208.1



#54

cis-1,3-Dichloropropene

Concen: 9.518 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

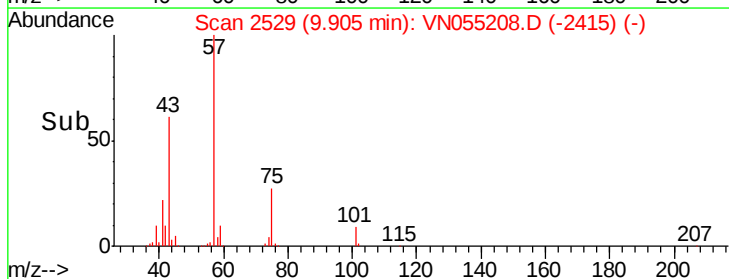
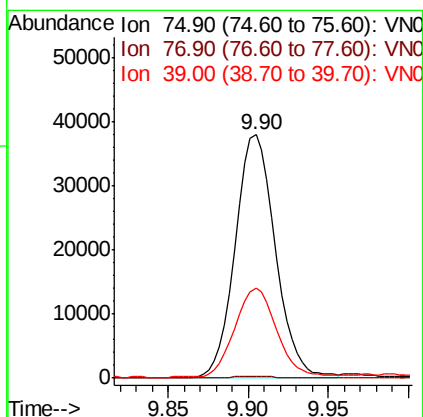
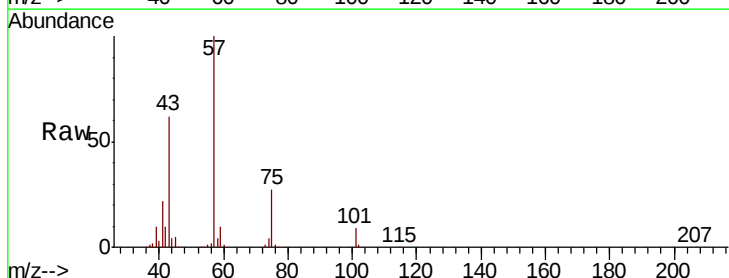
Tgt Ion: 75 Resp: 65079

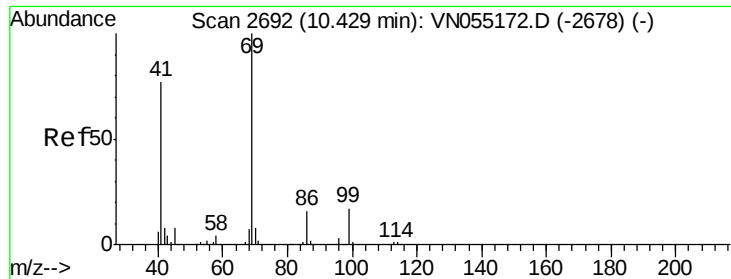
Ion Ratio Lower Upper

75 100

77 0.6 24.3 36.5#

39 36.1 43.0 64.4#





#56

Ethyl methacrylate

Concen: 0.214 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

TR-05-042219

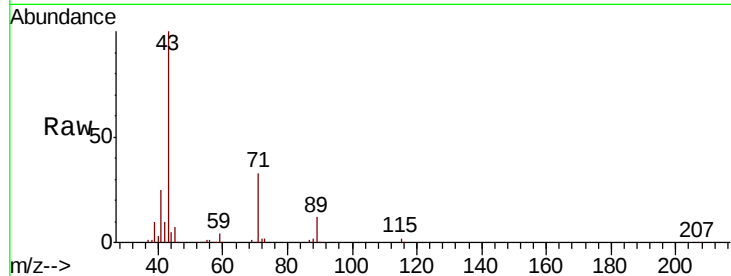
Tgt Ion: 69 Resp: 1070

Ion Ratio Lower Upper

69 100

41 4780.5 60.6 90.8#

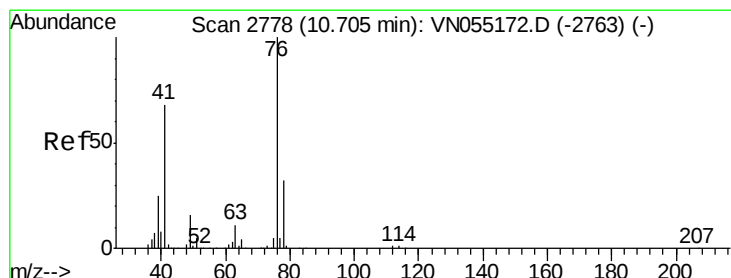
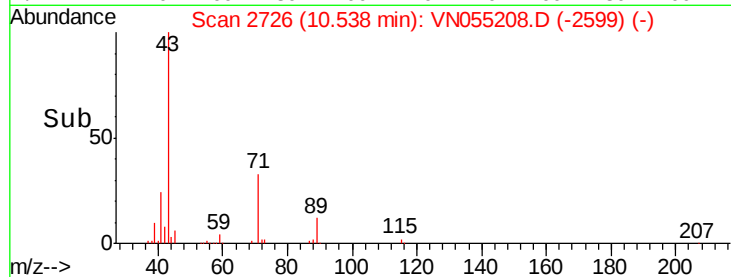
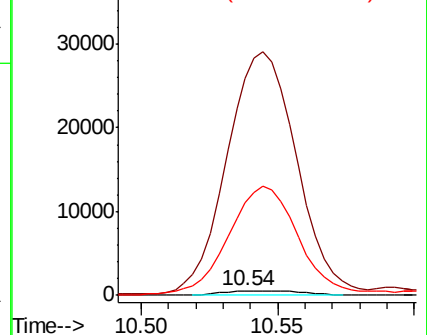
39 2193.5 31.7 47.5#



Abundance Ion 69.00 (68.70 to 69.70): VN055208.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN055208.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN055208.D (-2599) (-)



#57

1,3-Dichloropropane

Concen: 1.771 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055208.D

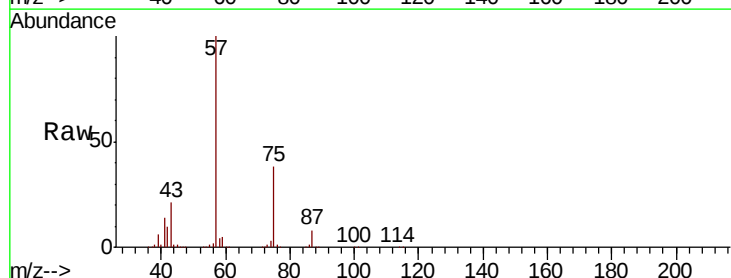
Acq: 23 Apr 2019 16:03

Tgt Ion: 76 Resp: 12358

Ion Ratio Lower Upper

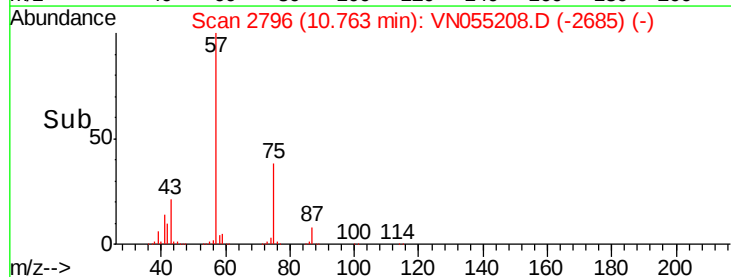
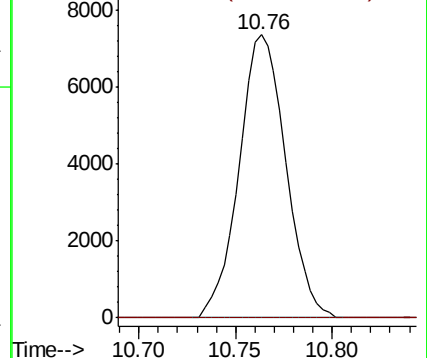
76 100

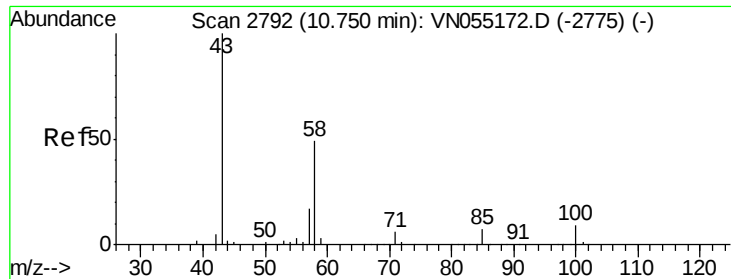
78 0.0 25.3 37.9#



Abundance Ion 75.90 (75.60 to 76.60): VN055208.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN055208.D (-2685) (-)

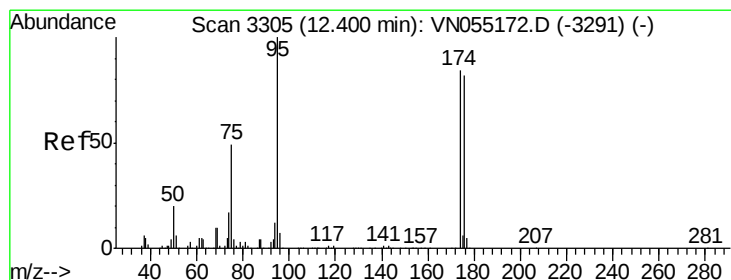
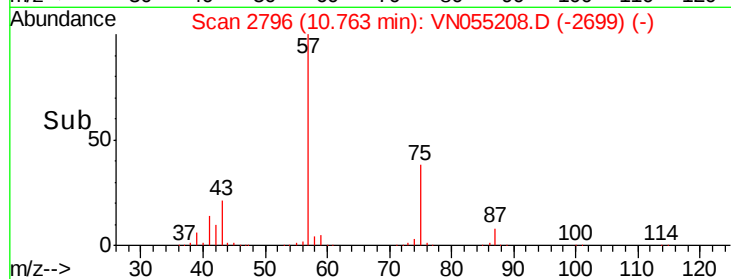
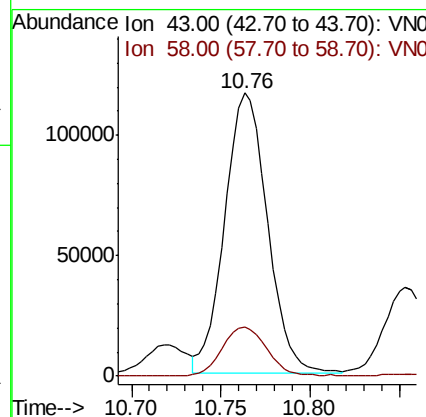
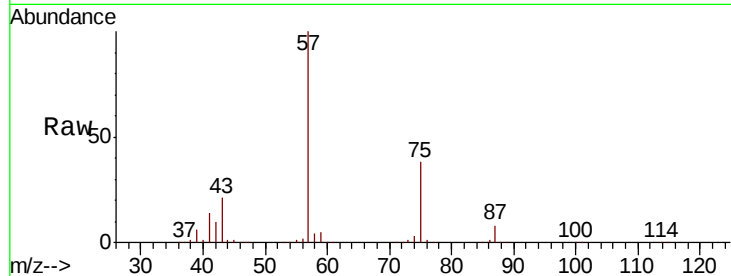




#59
2-Hexanone
Concen: 67.837 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

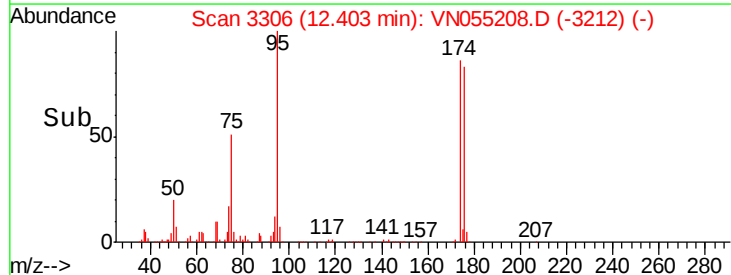
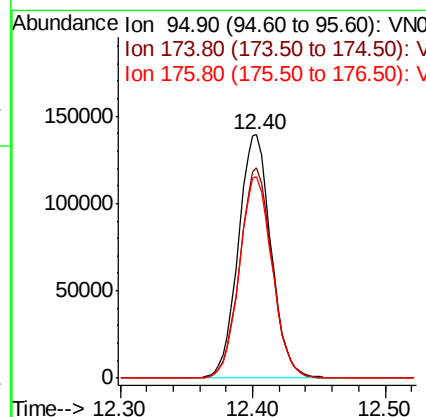
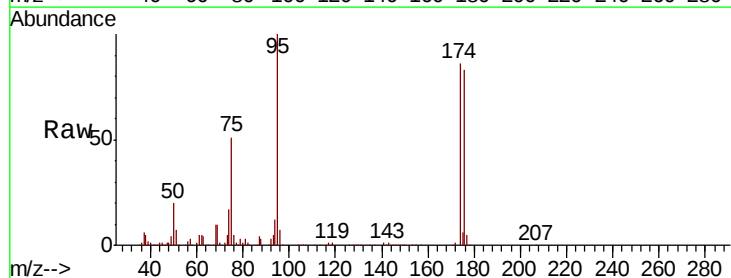
Instrument :
MSVOA_N
ClientSampled :
TR-05-042219

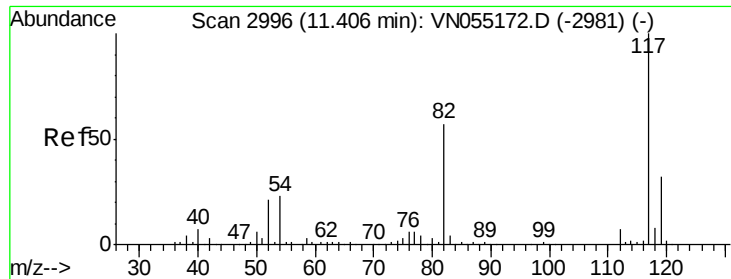
Tgt Ion: 43 Resp: 193727
Ion Ratio Lower Upper
43 100
58 18.6 24.5 73.5#



#62
4-Bromofluorobenzene
Concen: 46.359 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 95 Resp: 239361
Ion Ratio Lower Upper
95 100
174 85.4 0.0 168.4
176 83.0 0.0 164.0

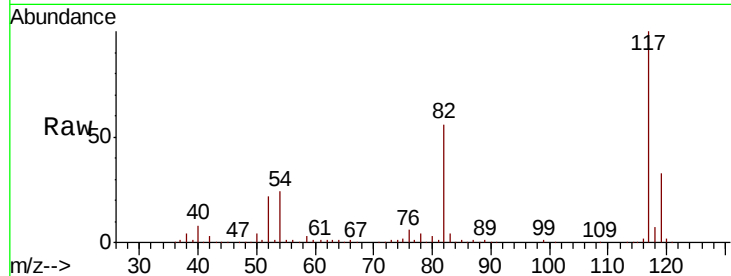




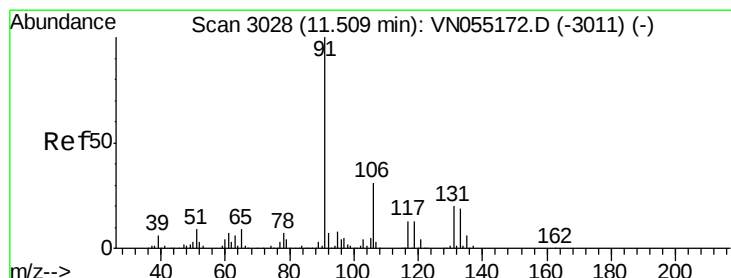
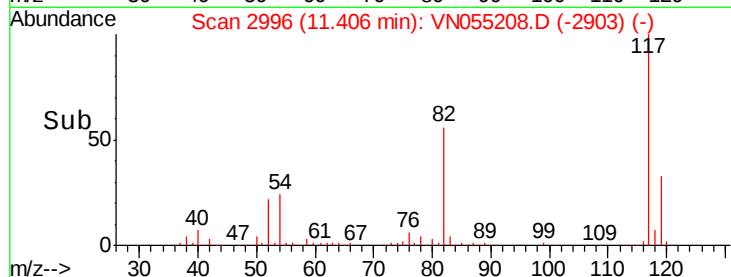
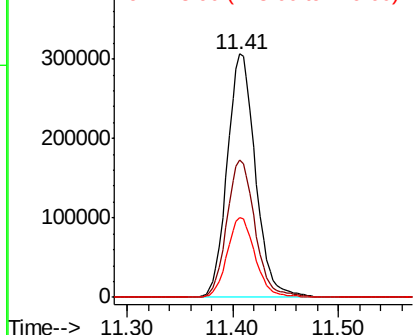
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
TR-05-042219

Tgt Ion: 117 Resp: 566371
Ion Ratio Lower Upper
117 100
82 56.5 45.7 68.5
119 32.9 25.4 38.2

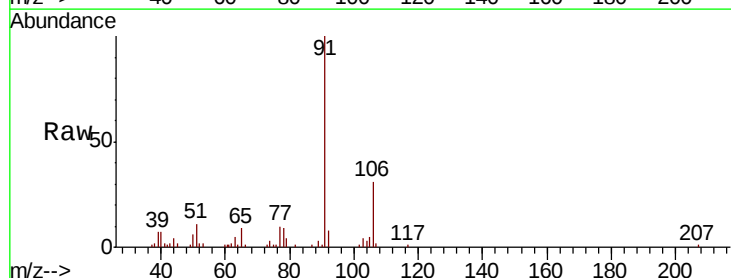


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

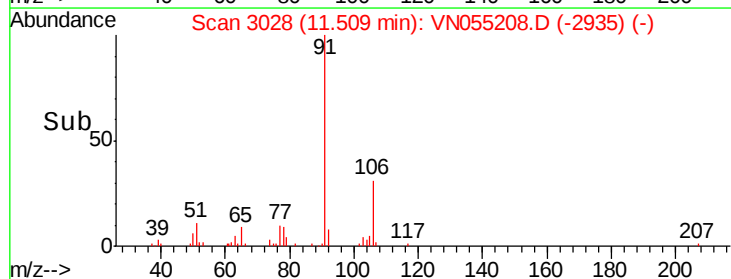
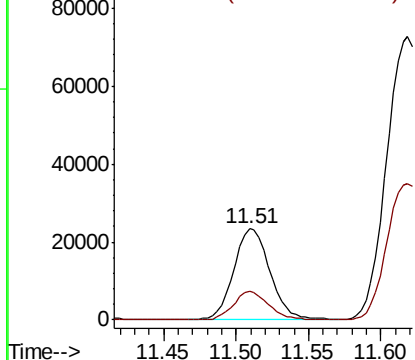


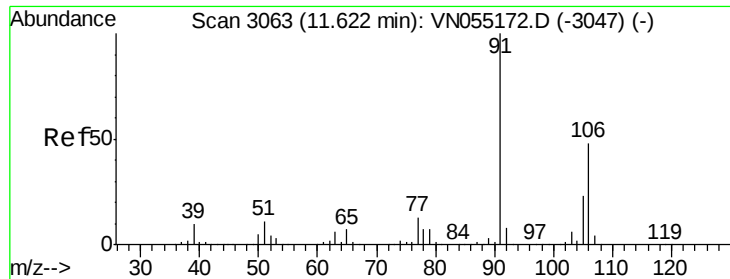
#67
Ethyl Benzene
Concen: 1.974 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 91 Resp: 40641
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7



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

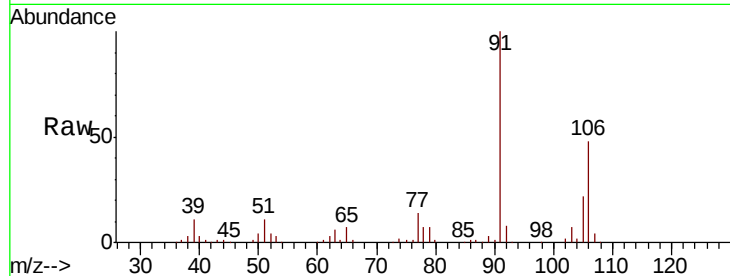




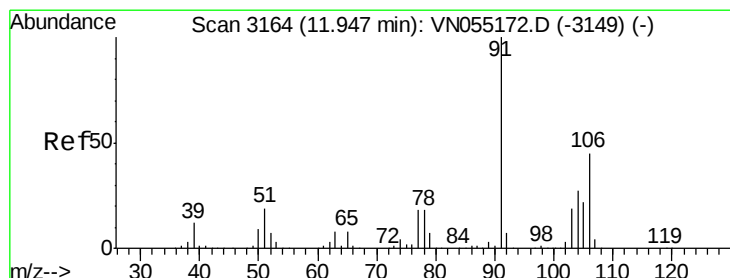
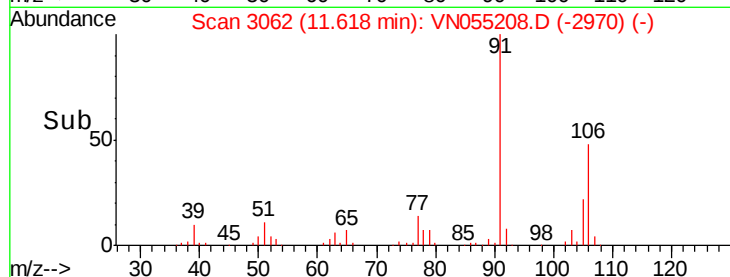
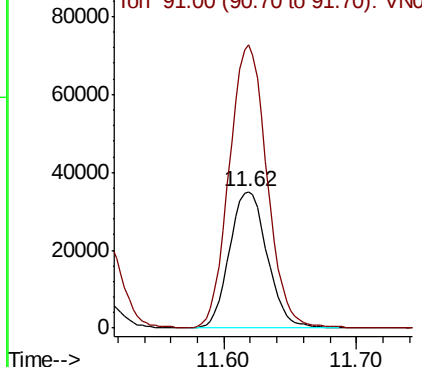
#68
m/p-Xylenes
Concen: 9.398 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
TR-05-042219

Tgt Ion:106 Resp: 69413
Ion Ratio Lower Upper
106 100
91 207.6 167.1 250.7

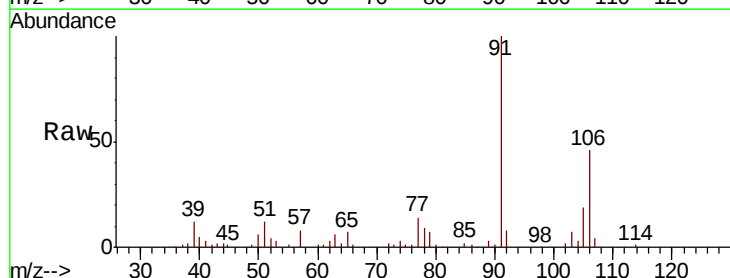


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

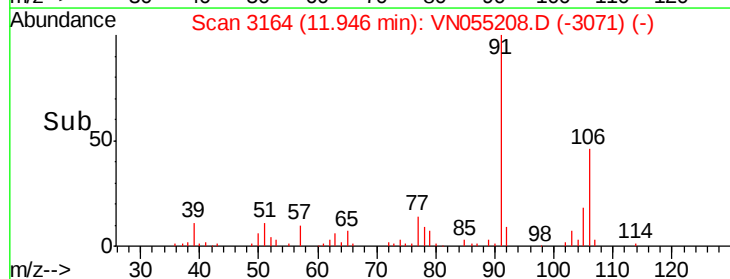
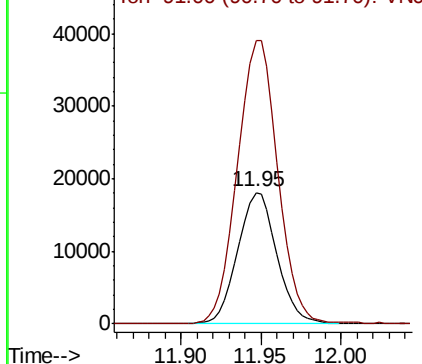


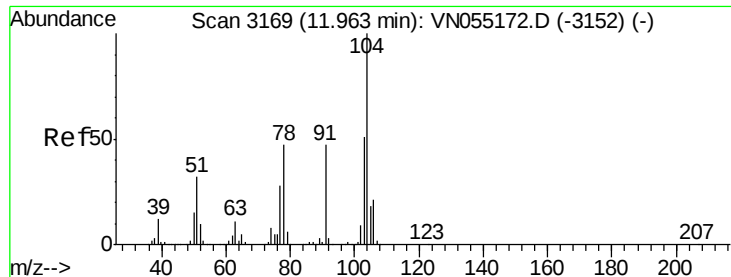
#69
o-Xylene
Concen: 4.122 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion:106 Resp: 30213
Ion Ratio Lower Upper
106 100
91 221.6 110.6 331.8



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





#70

Styrene

Concen: 0.267 ug/l

RT: 11.95 min Scan# 3166

Delta R.T. -0.01 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

TR-05-042219

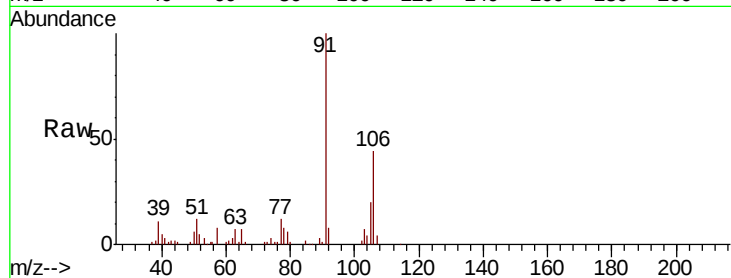
Tgt Ion:104 Resp: 3034

Ion Ratio Lower Upper

104 100

78 201.8 41.3 61.9#

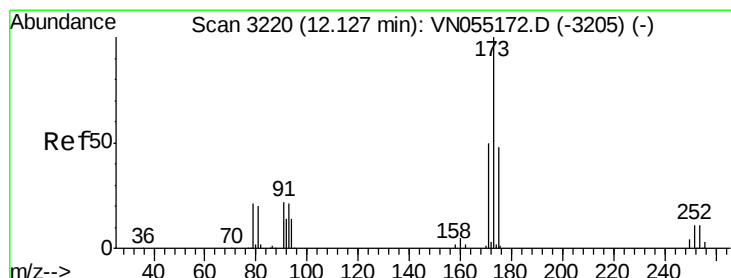
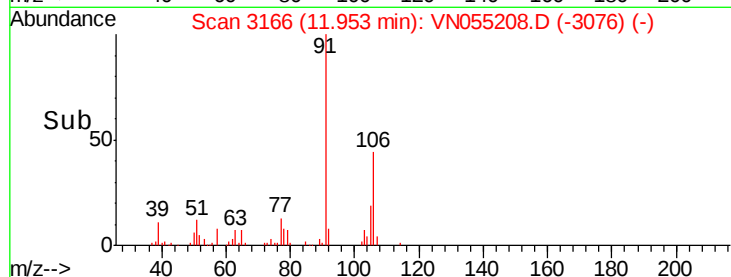
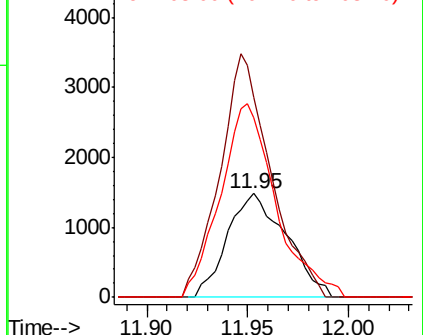
103 174.6 44.2 66.4#



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



#71

Bromoform

Concen: 0.362 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

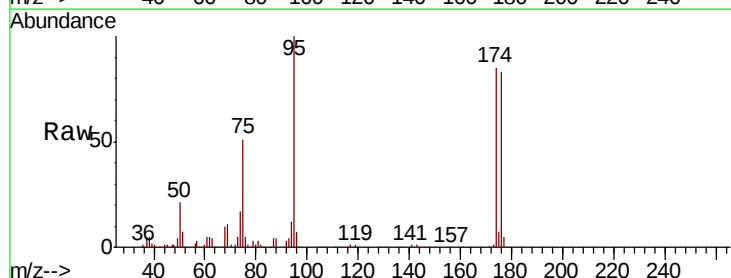
Tgt Ion:173 Resp: 926

Ion Ratio Lower Upper

173 100

175 1397.2 23.8 71.2#

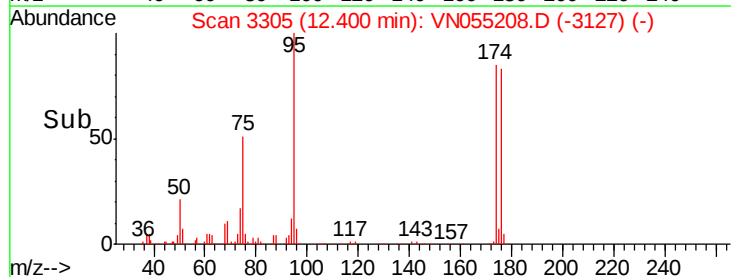
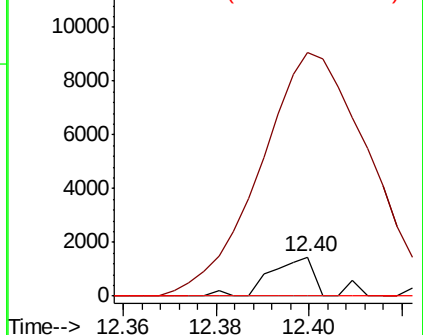
254 0.0 0.1 0.1#

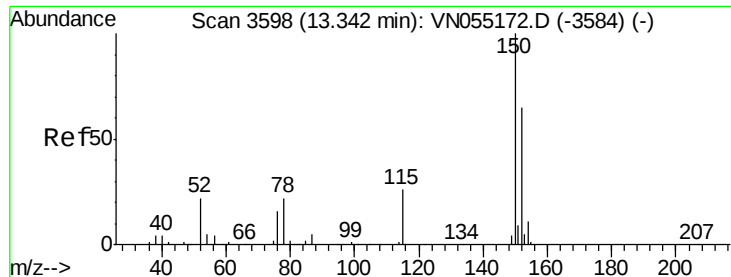


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

TR-05-042219

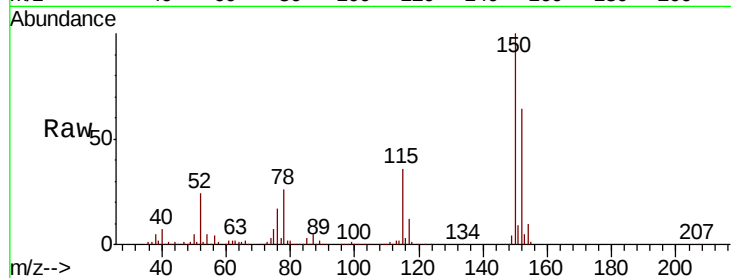
Tgt Ion:152 Resp: 179721

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

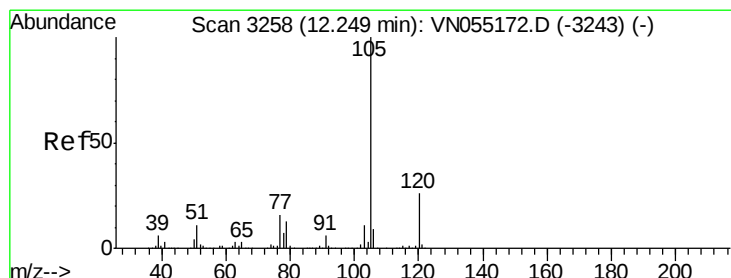
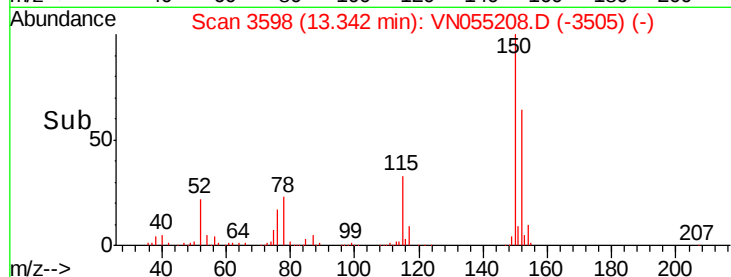
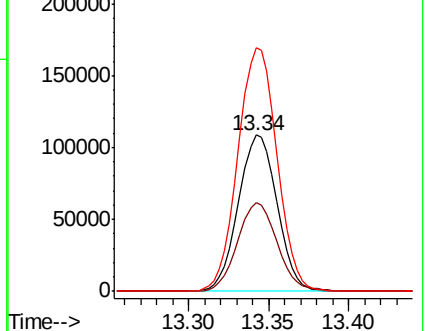
150 157.3 0.0 346.6



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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055208.D

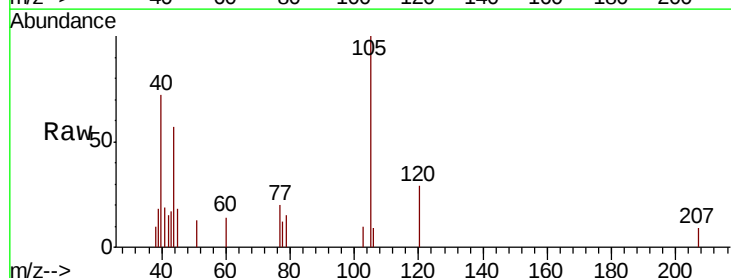
Acq: 23 Apr 2019 16:03

Tgt Ion:105 Resp: 2749

Ion Ratio Lower Upper

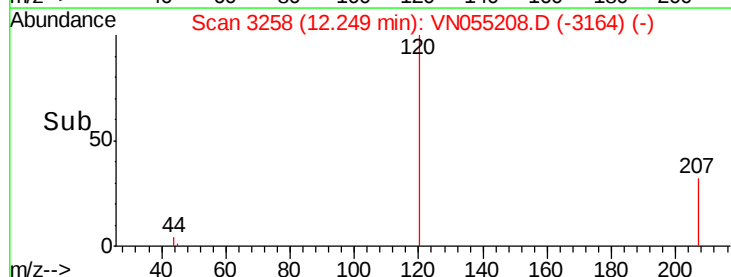
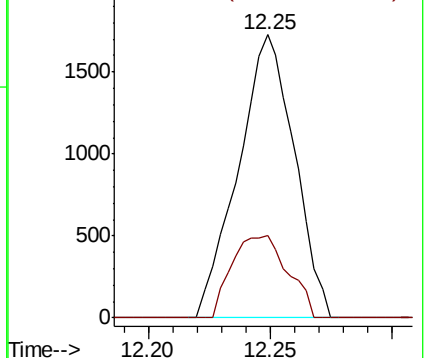
105 100

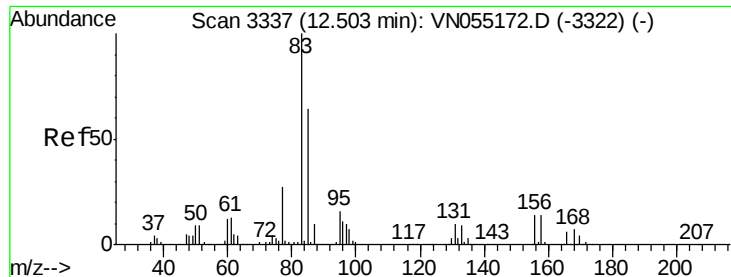
120 29.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

TR-05-042219

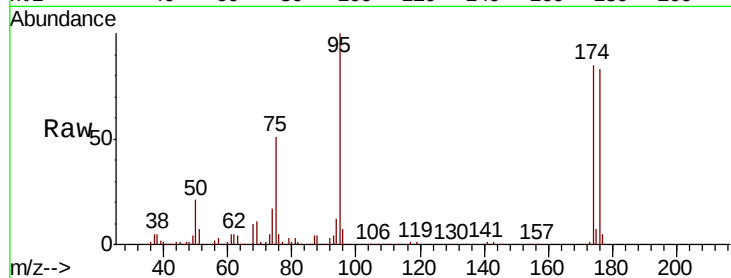
Tgt Ion: 83 Resp: 116

Ion Ratio Lower Upper

83 100

131 262.9 5.0 15.0#

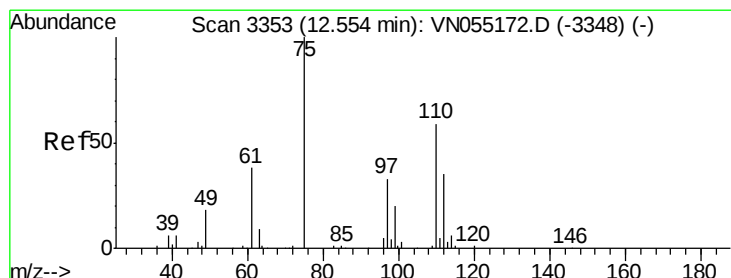
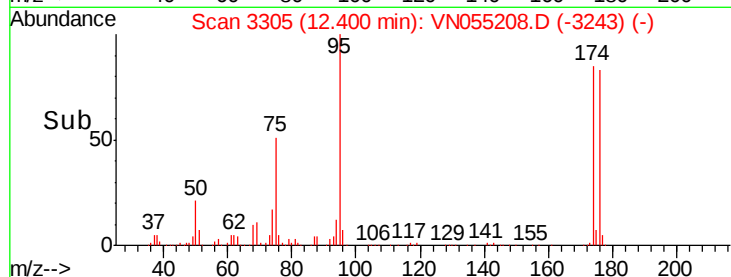
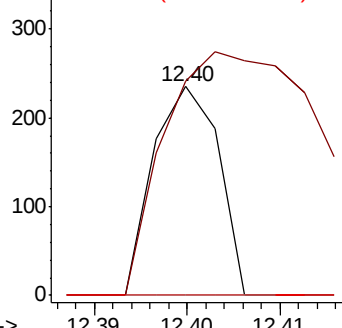
85 0.0 32.1 96.3#



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: 33.900 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055208.D

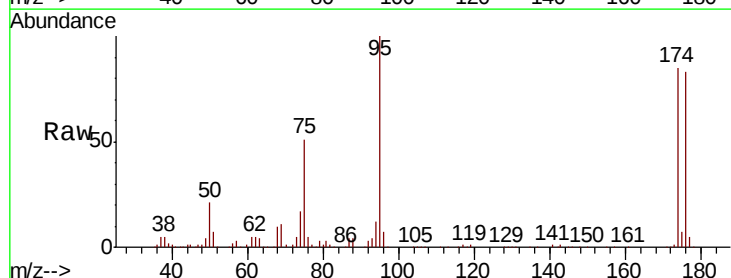
Acq: 23 Apr 2019 16:03

Tgt Ion: 75 Resp: 123601

Ion Ratio Lower Upper

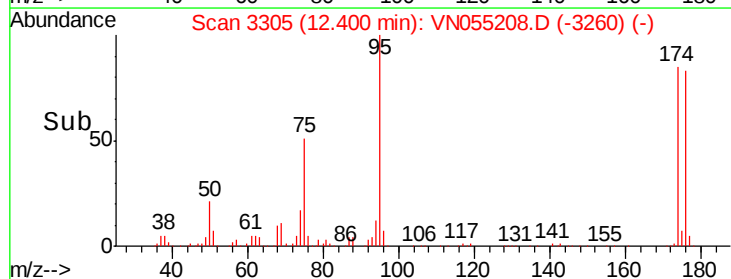
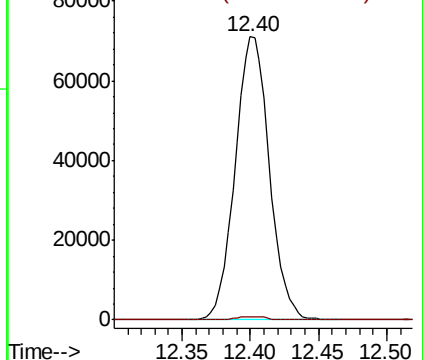
75 100

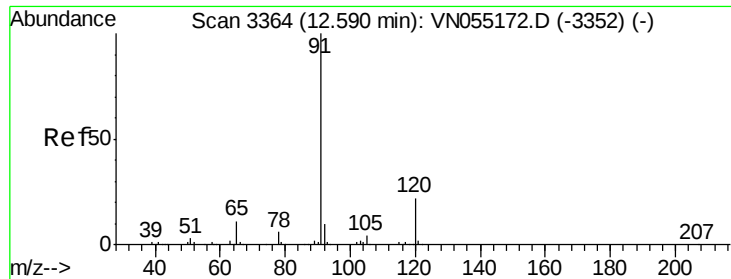
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

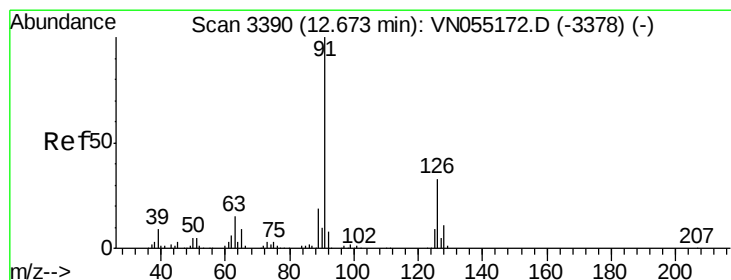
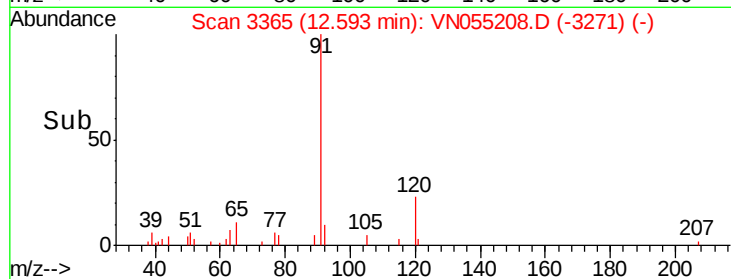
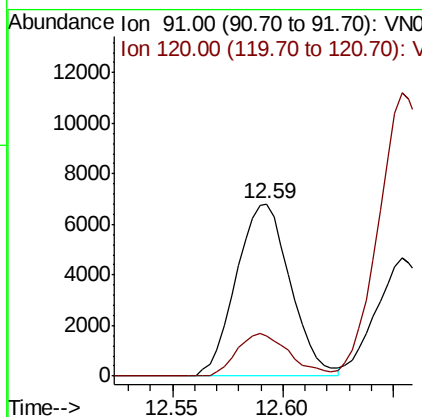
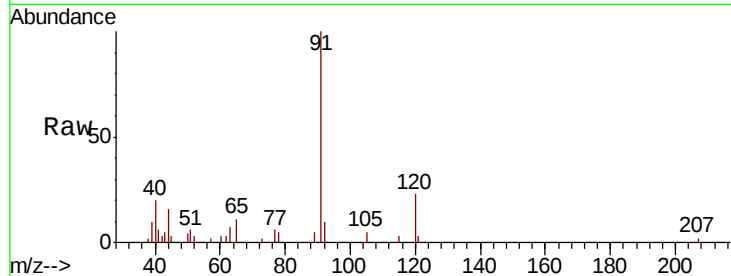




#78
n-propylbenzene
Concen: 0.644 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

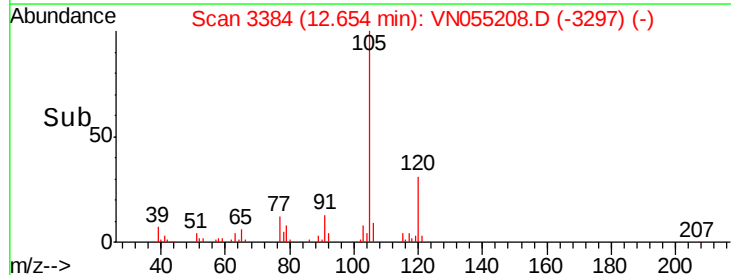
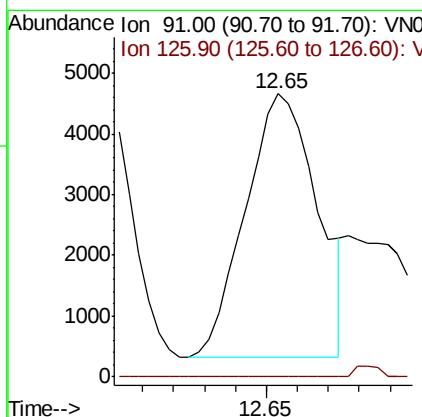
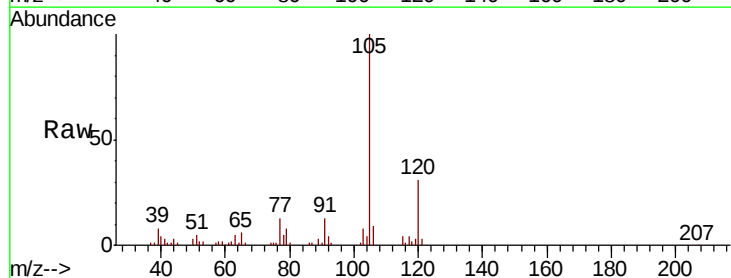
Instrument :
MSVOA_N
ClientSampled :
TR-05-042219

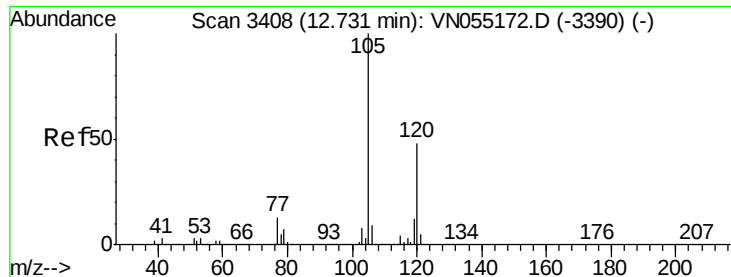
Tgt Ion: 91 Resp: 11610
Ion Ratio Lower Upper
91 100
120 24.1 11.3 33.9



#79
2-Chlorotoluene
Concen: 0.611 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 91 Resp: 6952
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#





#80

1,3,5-Trimethylbenzene

Concen: 3.304 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

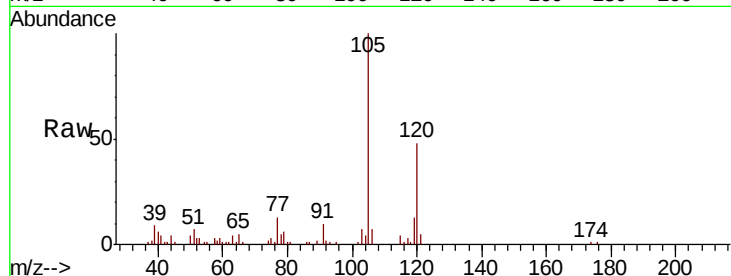
TR-05-042219

Tgt Ion: 105 Resp: 44456

Ion Ratio Lower Upper

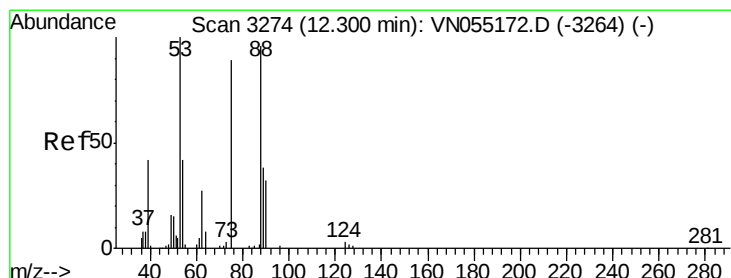
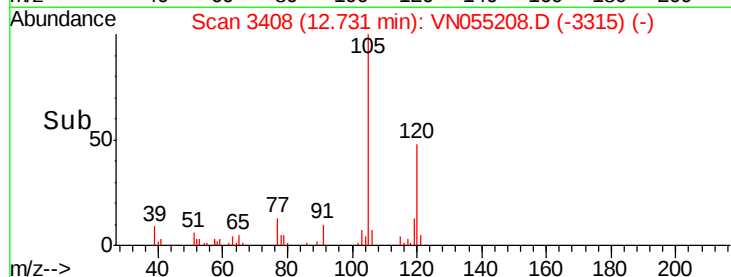
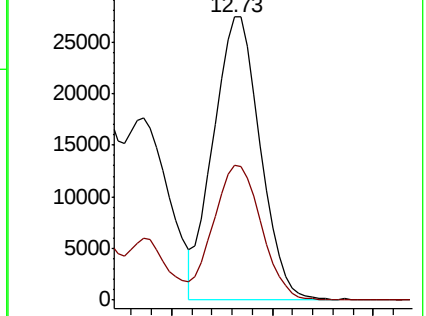
105 100

120 48.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 128.509 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

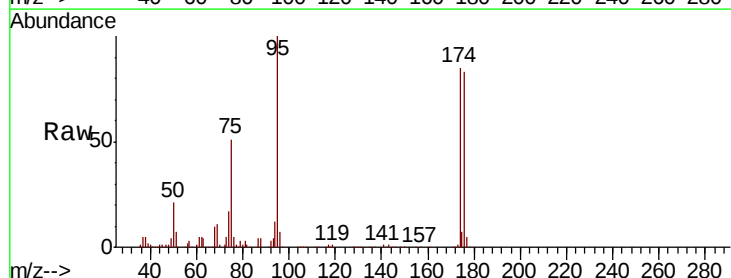
Tgt Ion: 75 Resp: 123601

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

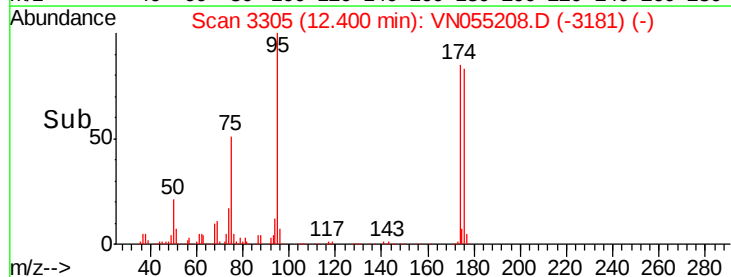
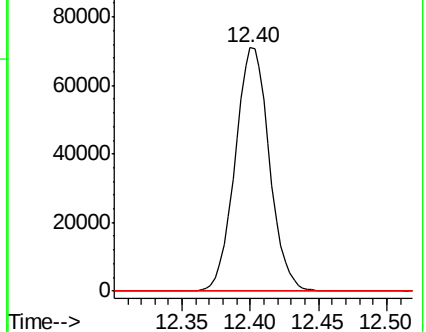
89 0.0 36.7 55.1#

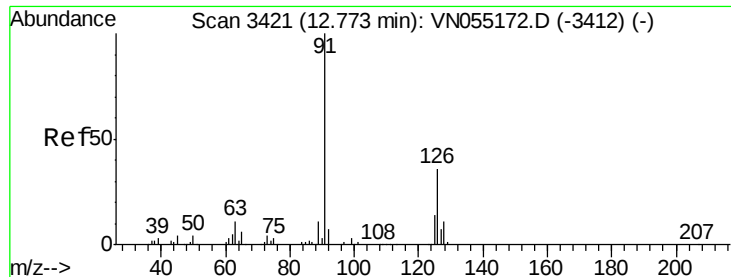


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

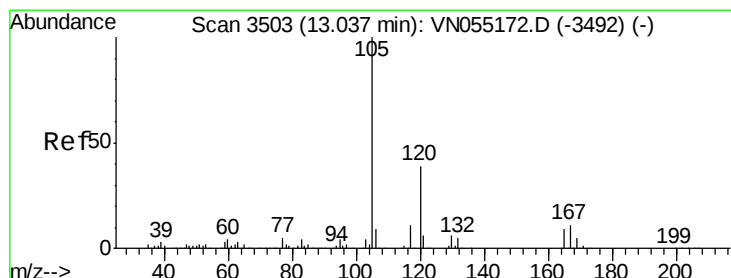
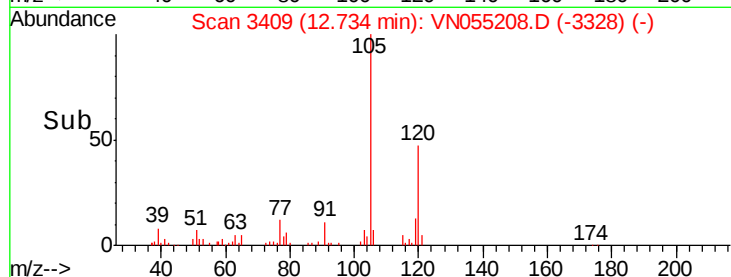
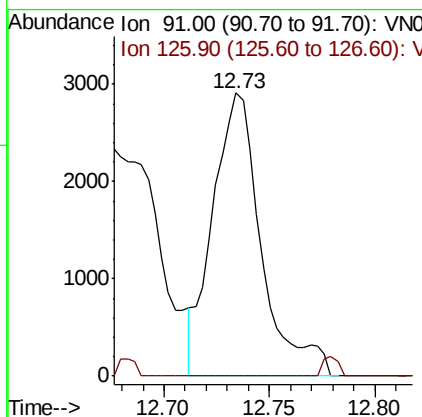
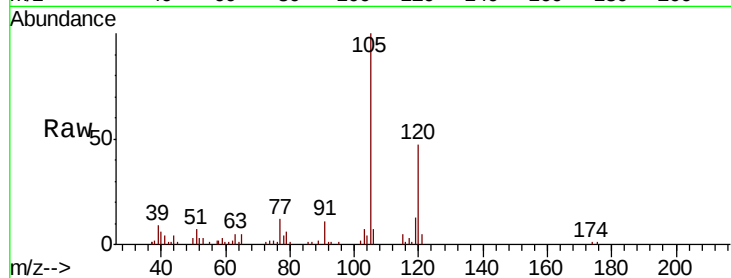




#82
4-Chlorotoluene
Concen: 0.444 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

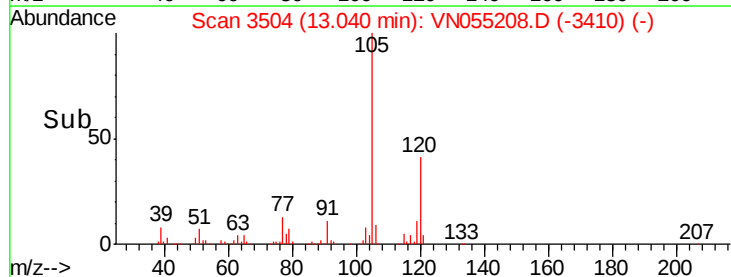
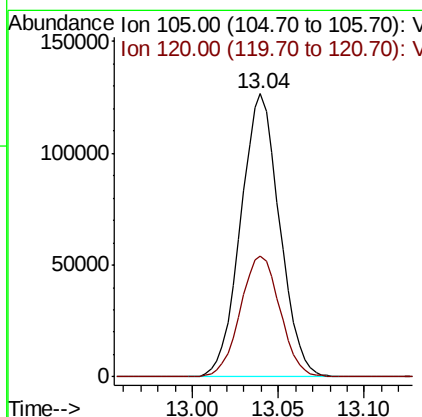
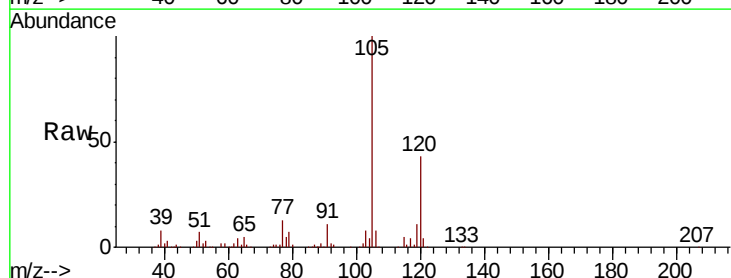
Instrument :
MSVOA_N
ClientSampleId :
TR-05-042219

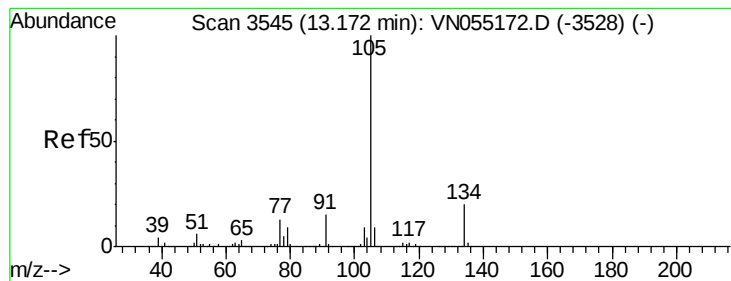
Tgt Ion: 91 Resp: 4654
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#84
1,2,4-Trimethylbenzene
Concen: 15.694 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055208.D
Acq: 23 Apr 2019 16:03

Tgt Ion: 105 Resp: 199258
Ion Ratio Lower Upper
105 100
120 43.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 13.091 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

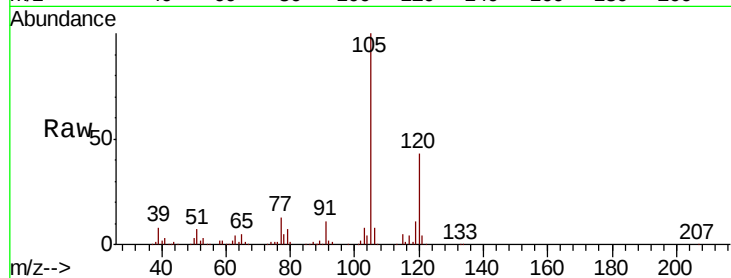
TR-05-042219

Tgt Ion:105 Resp: 199258

Ion Ratio Lower Upper

105 100

134 0.1 10.0 30.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

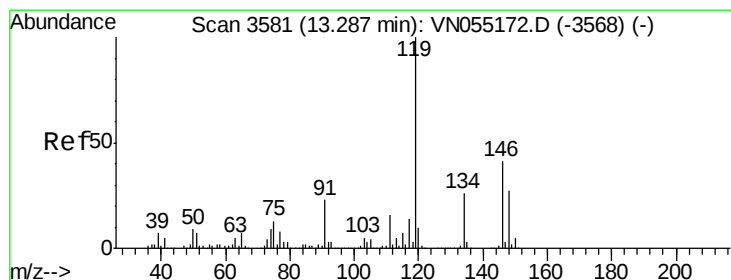
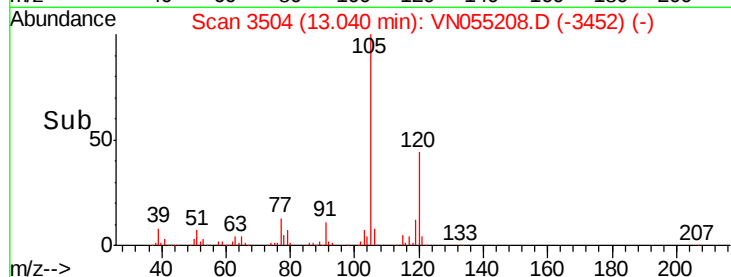
13.04

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.291 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

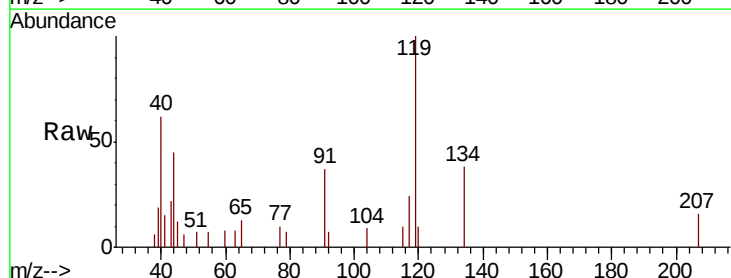
Tgt Ion:119 Resp: 3643

Ion Ratio Lower Upper

119 100

134 34.0 13.1 39.3

91 30.9 11.8 35.3



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

13.23

3000

2500

2000

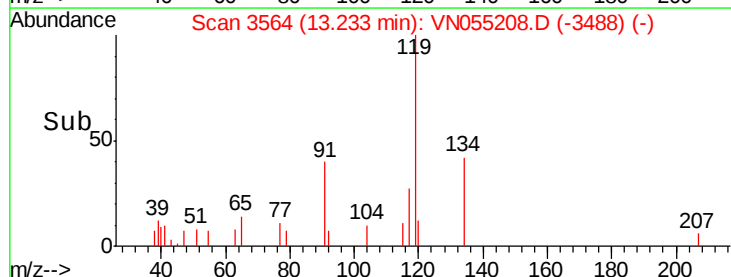
1500

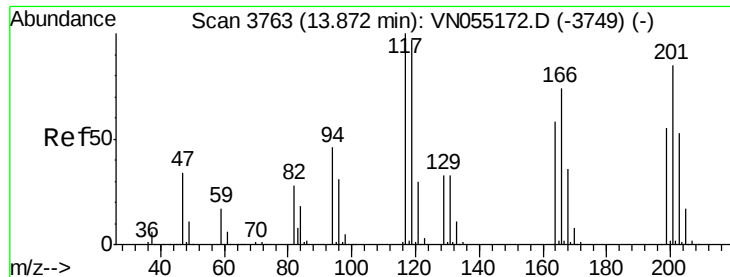
1000

500

0

Time-->





#90

Hexachloroethane

Concen: 0.420 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

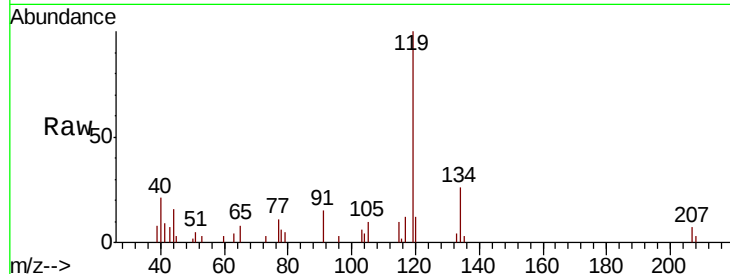
TR-05-042219

Tgt Ion:117 Resp: 934

Ion Ratio Lower Upper

117 100

201 0.0 43.1 129.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

800

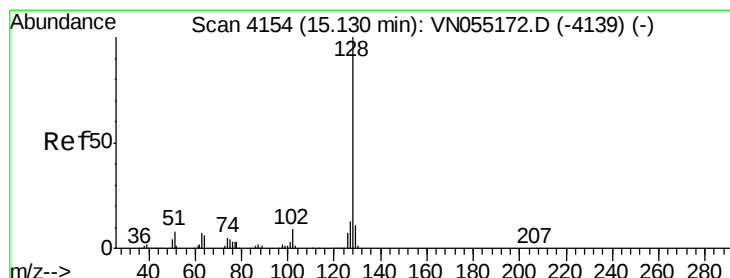
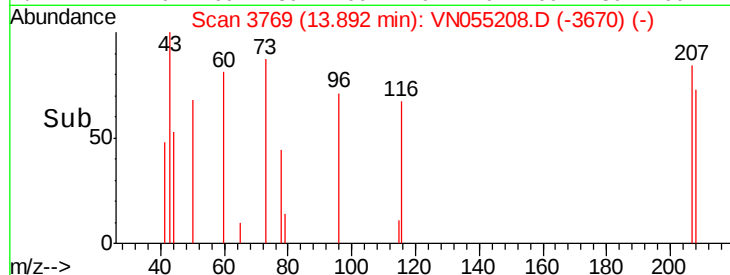
600

400

200

0

Time-->



#95

Naphthalene

Concen: 5.815 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055208.D

Acq: 23 Apr 2019 16:03

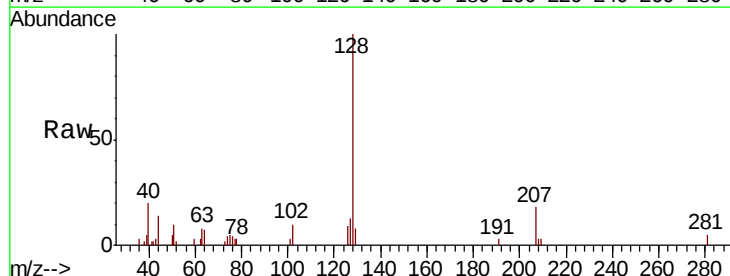
Tgt Ion:128 Resp: 15029

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

129 4.9 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

10000

8000

6000

4000

2000

0

Time-->

