

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054623.D
 Acq On : 24 Mar 2019 00:40
 Operator : JC/SP
 Sample : K2043-01ME
 Misc : 5.22g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-(12-14)ME

Quant Time: Mar 25 03:39:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	518159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	823342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	342926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	329206	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	246761	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
50) Toluene-d8	10.09	98	1009482	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	339098	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	208	0.533	ug/l #	70
13) Acrolein	3.61	56	123	0.228	ug/l #	1
16) Acetone	3.82	43	447	0.231	ug/l	99
18) Methyl Acetate	4.33	43	8010	1.855	ug/l	90
20) Methylene Chloride	4.54	84	1977	0.346	ug/l #	88
25) 2-Butanone	6.85	43	714	0.288	ug/l #	46
31) Cyclohexane	7.66	56	13876	Below Cal	#	36
36) 1,1-Dichloropropene	7.66	75	39656	5.151	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49644	6.636	ug/l #	16
39) Methylcyclohexane	9.08	83	26483	3.007	ug/l #	84
40) Benzene	8.04	78	33797	1.535	ug/l	92
48) Methyl methacrylate	9.22	41	1028	0.205	ug/l #	28
51) 4-Methyl-2-Pentanone	10.02	43	7909	1.543	ug/l #	83
52) Toluene	10.16	92	3085	0.228	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	68	2.240	ug/l #	66
55) 1,1,2-Trichloroethane	10.53	97	24180	4.968	ug/l #	20
56) Ethyl methacrylate	10.43	69	10238	1.567	ug/l #	1
59) 2-Hexanone	10.72	43	37650	11.247	ug/l #	28
65) Chlorobenzene	11.43	112	2419818	161.653	ug/l	99
67) Ethyl Benzene	11.51	91	6568	0.248	ug/l	95
68) m/p-Xylenes	11.62	106	2554	0.255	ug/l #	67
71) Bromoform	12.17	173	574	2.369	ug/l #	28
73) Isopropylbenzene	12.25	105	33300	1.205	ug/l	98
74) N-ethyl acetate	12.04	43	167444	21.074	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.48	83	12321	1.953	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	177136	32.552	ug/l #	100
77) Bromobenzene	12.54	156	2721	0.397	ug/l #	51
78) n-propylbenzene	12.59	91	85934	2.868	ug/l	96
79) 2-Chlorotoluene	12.67	91	8923	0.478	ug/l #	68
80) 1,3,5-Trimethylbenzene	12.89	105	61735	2.726	ug/l	70
81) trans-1,4-Dichloro-2-buten	12.40	75	177136	108.270	ug/l #	14
82) 4-Chlorotoluene	12.73	91	3769	0.208	ug/l #	1
83) tert-Butylbenzene	12.99	119	70878	3.595	ug/l	95
84) 1,2,4-Trimethylbenzene	12.89	105	61735	2.778	ug/l	74

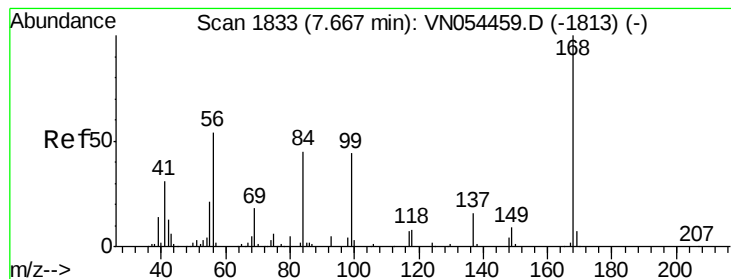
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	112072	4.560	ug/l #	53
86) p-Isopropyltoluene	13.44	119	108211	4.922	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	161120	14.186	ug/l #	80
88) 1,4-Dichlorobenzene	13.36	146	194788	17.627	ug/l #	82
89) n-Butylbenzene	13.62	91	137040	7.971	ug/l	89
90) Hexachloroethane	13.95	117	32530	9.532	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	23786	2.162	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.29	75	3227	3.488	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	6298	1.148	ug/l #	1
94) Hexachlorobutadiene	15.00	225	959	Below Cal		80
95) Naphthalene	15.13	128	16152	1.320	ug/l #	64

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

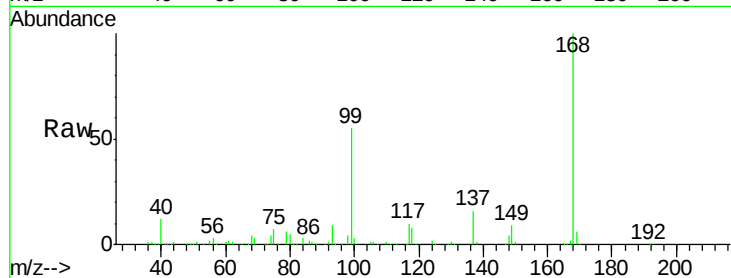
WP022SB442-190319-(12-14)ME

Tot Ion:168 Resp: 518159

Ion Ratio Lower Upper

168 100

99 54.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

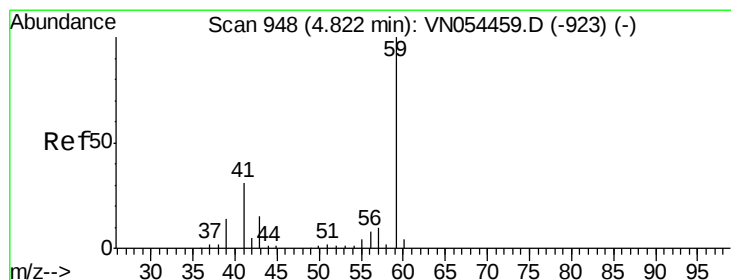
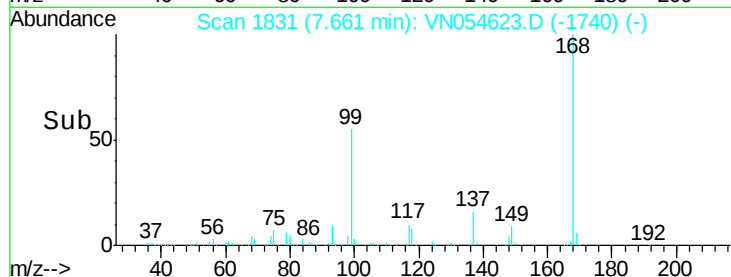
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.533 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.08 min

Lab File: VN054623.D

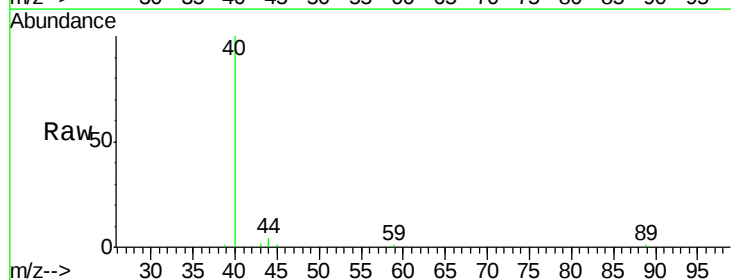
Acq: 24 Mar 2019 00:40

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

300

250

200

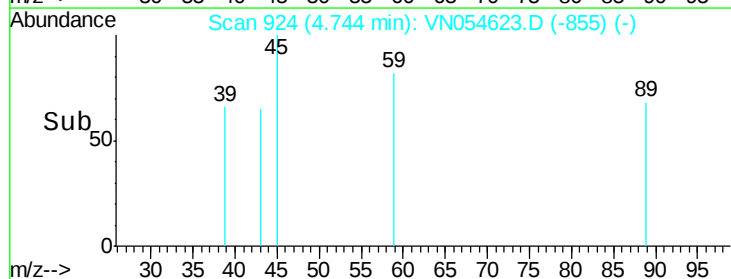
150

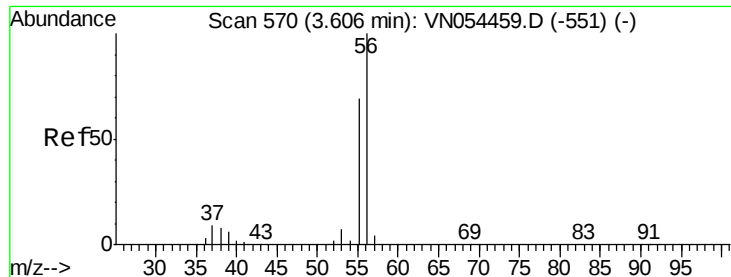
100

50

0

Time-->





#13

Acrolein

Concen: 0.228 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

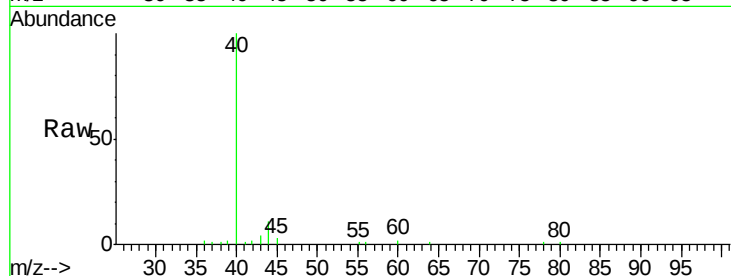
WP022SB442-190319-(12-14)ME

Tot Ion: 56 Resp: 123

Ion Ratio Lower Upper

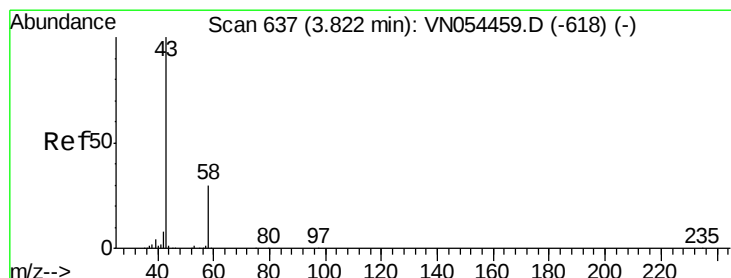
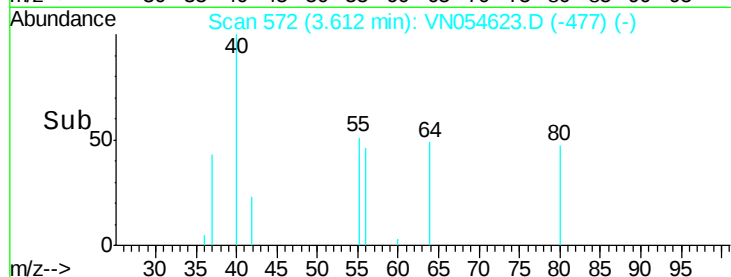
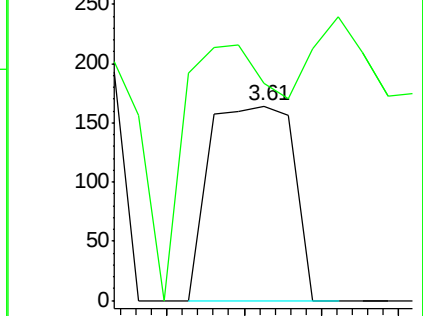
56 100

55 152.8 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.231 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN054623.D

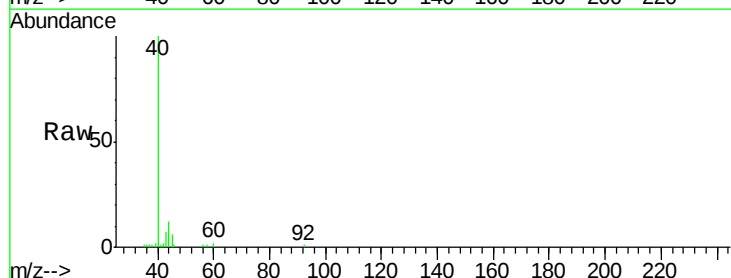
Acq: 24 Mar 2019 00:40

Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

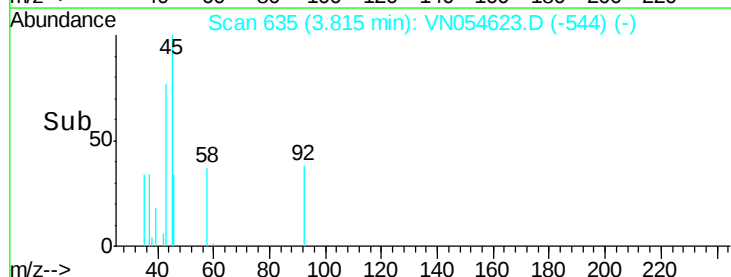
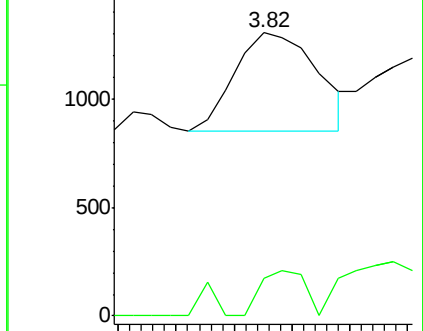
43 100

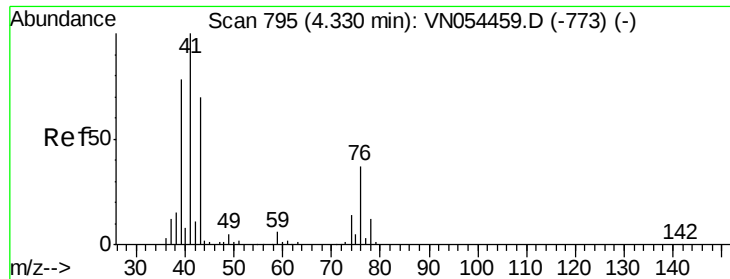
58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

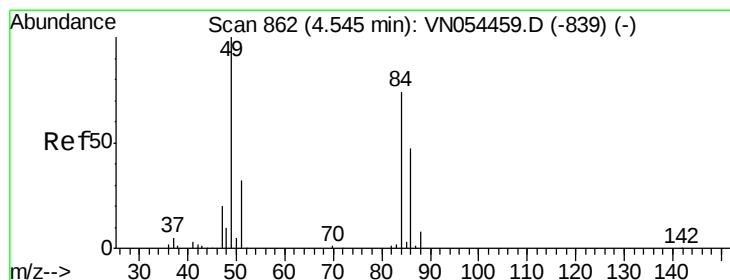
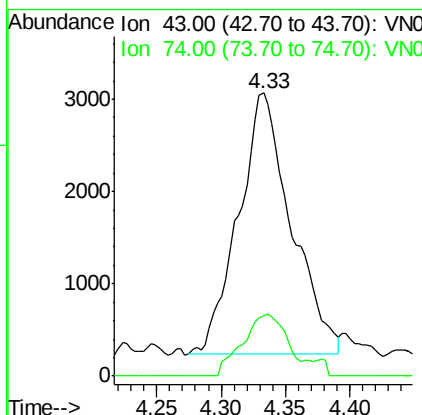
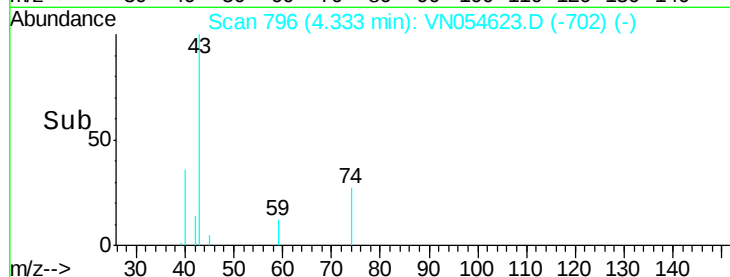
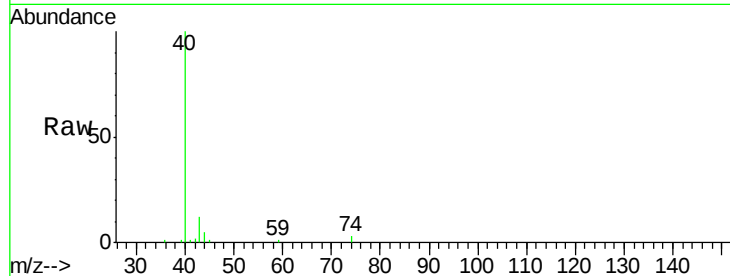




#18
Methyl Acetate
Concen: 1.855 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

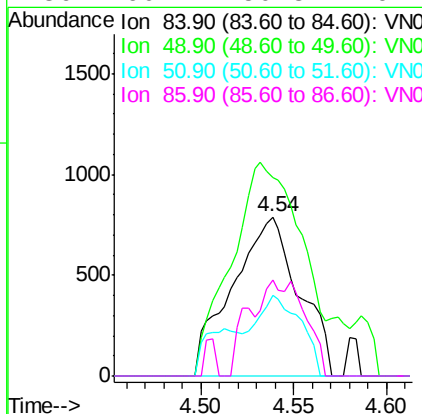
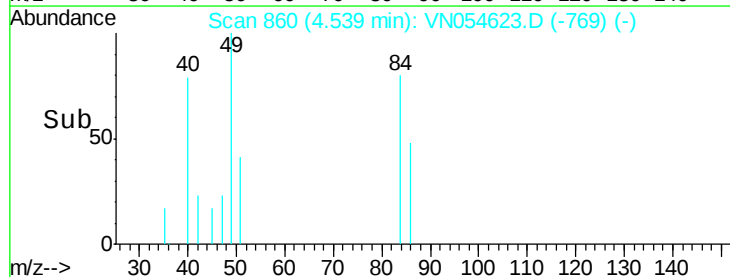
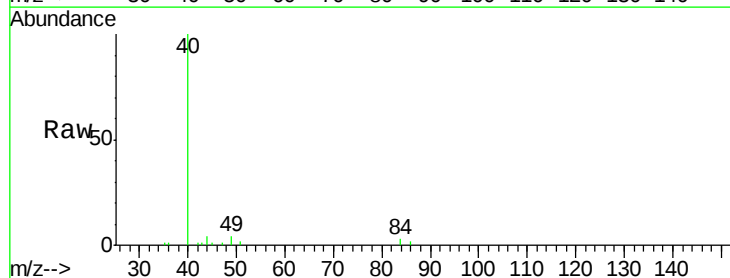
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-(12-14)ME

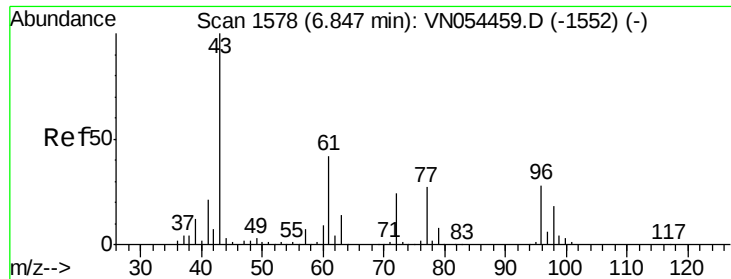
Tot Ion: 43 Resp: 8010
Ion Ratio Lower Upper
43 100
74 21.0 20.8 31.2



#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

Tgt Ion: 84 Resp: 1977
Ion Ratio Lower Upper
84 100
49 125.3 89.7 134.5
51 51.1 28.2 42.4#
86 60.2 50.8 76.2





#25

2-Butanone

Concen: 0.288 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

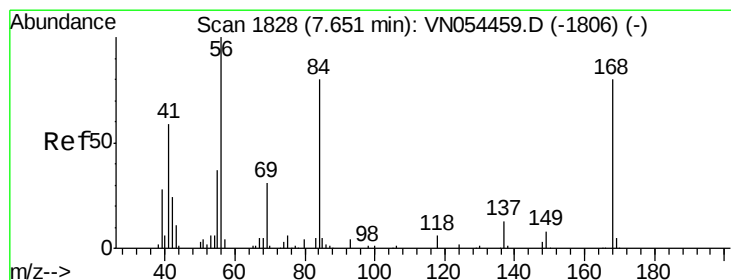
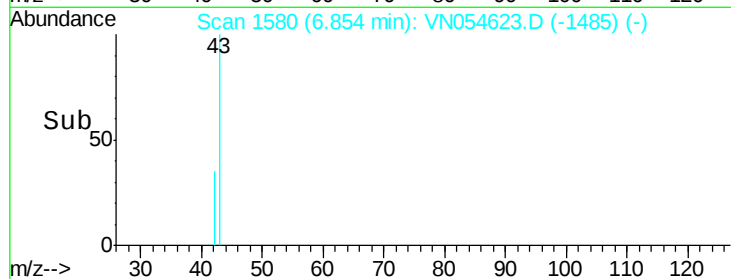
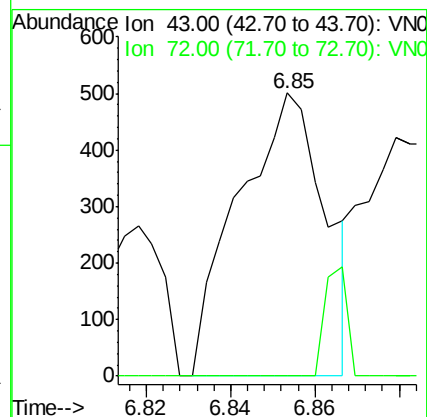
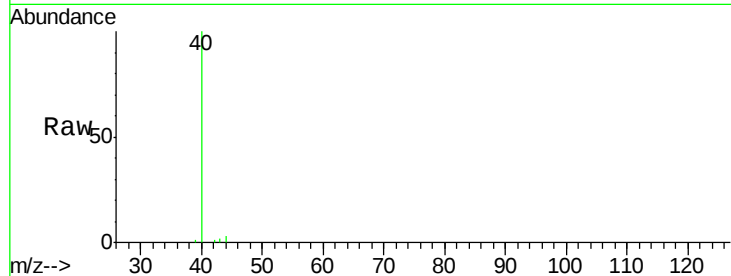
WP022SB442-190319-(12-14)ME

Tot Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

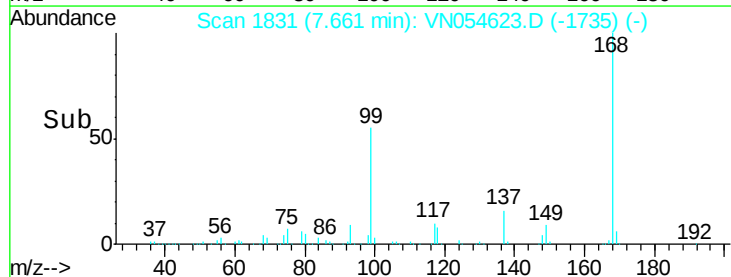
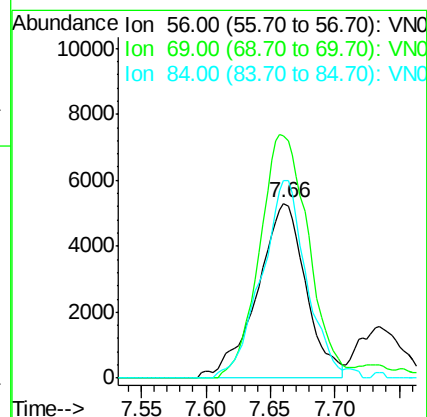
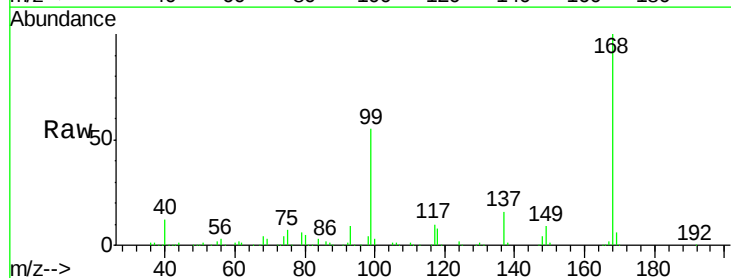
Tgt Ion: 56 Resp: 13876

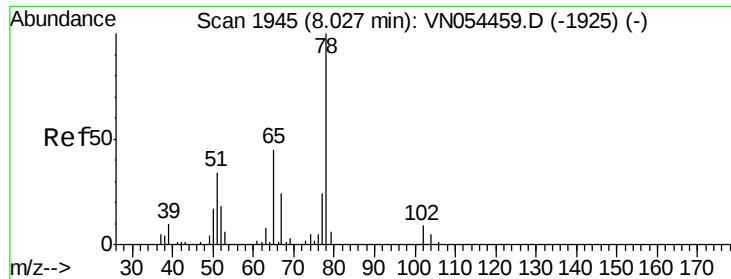
Ion Ratio Lower Upper

56 100

69 139.0 27.8 41.6#

84 113.3 74.6 111.8#

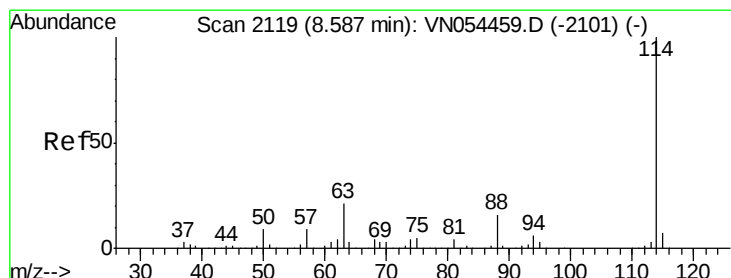
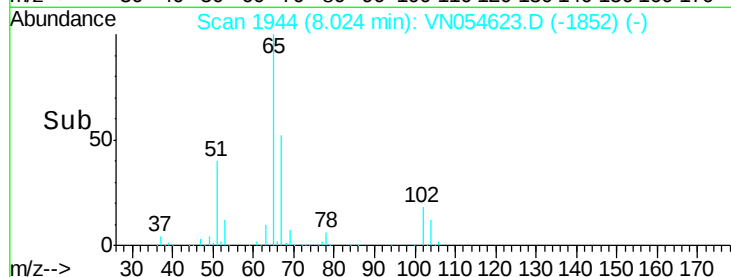
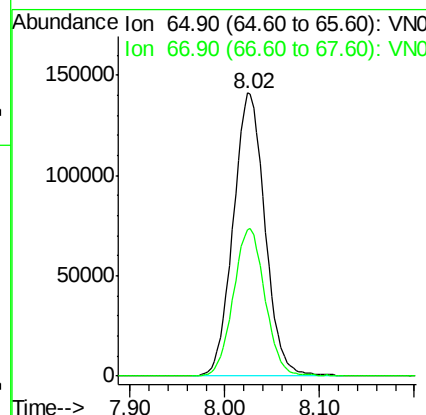
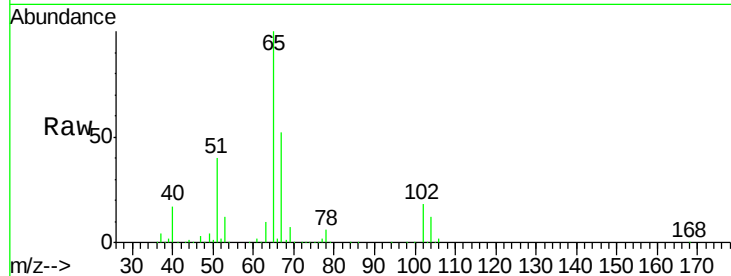




#33
 1,2-Dichloroethane-d4
 Concen: 51.079 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054623.D
 Acq: 24 Mar 2019 00:40

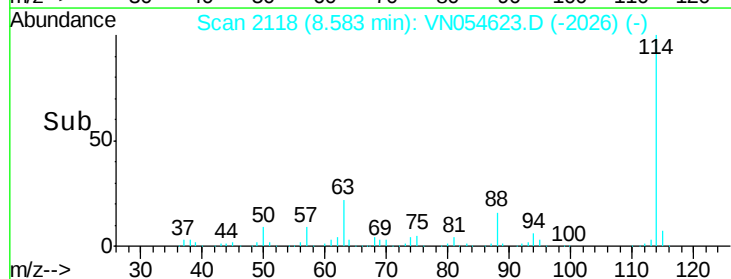
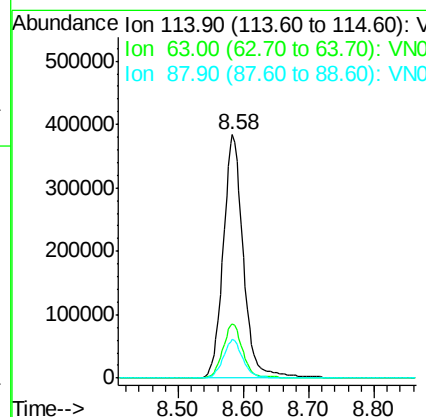
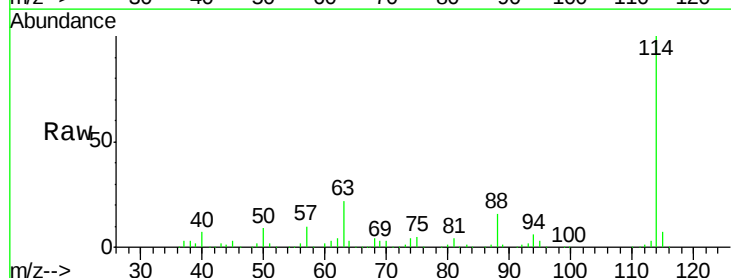
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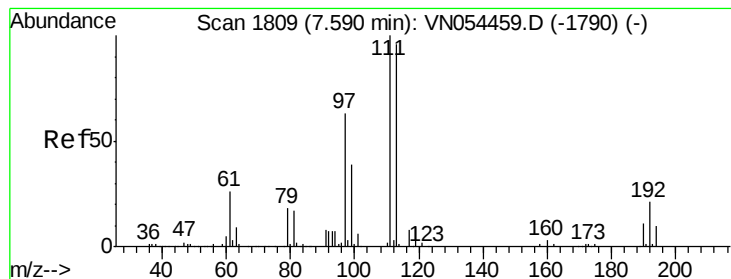
Tot Ion: 65 Resp: 329206
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054623.D
 Acq: 24 Mar 2019 00:40

Tgt Ion: 114 Resp: 823342
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.2
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.520 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

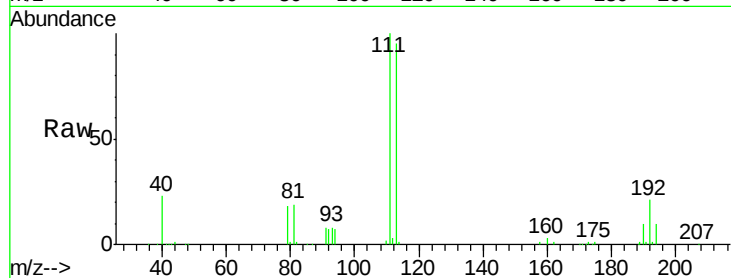
Tot Ion:113 Resp: 246761

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

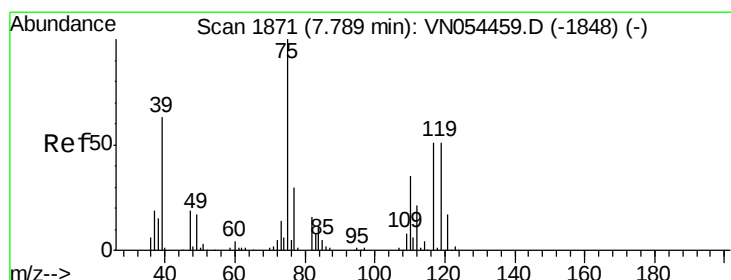
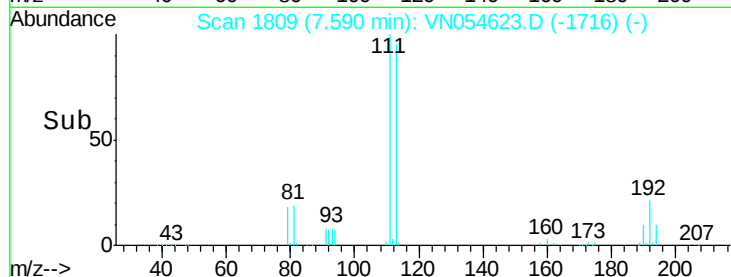
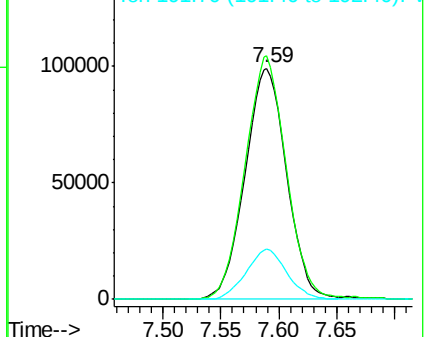
192 21.2 19.2 28.8



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: 5.151 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

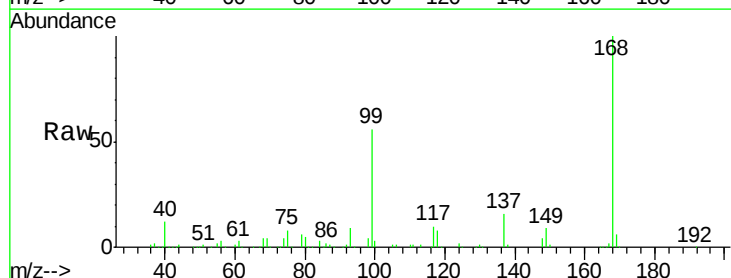
Tgt Ion: 75 Resp: 39656

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.5#

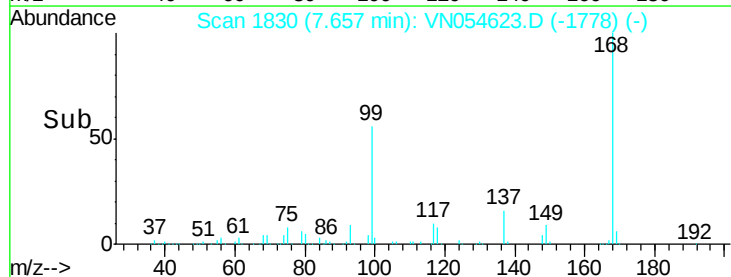
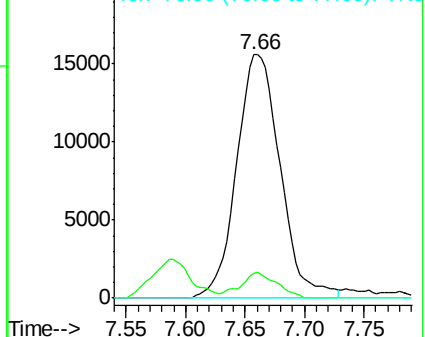
77 0.0 25.0 37.4#

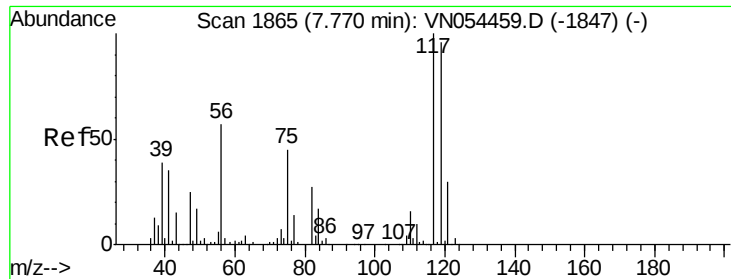


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.636 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

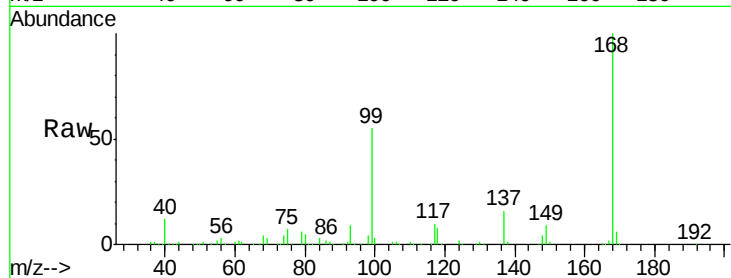
Tot Ion:117 Resp: 49644

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

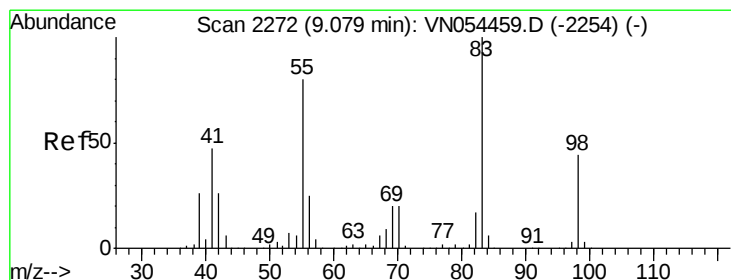
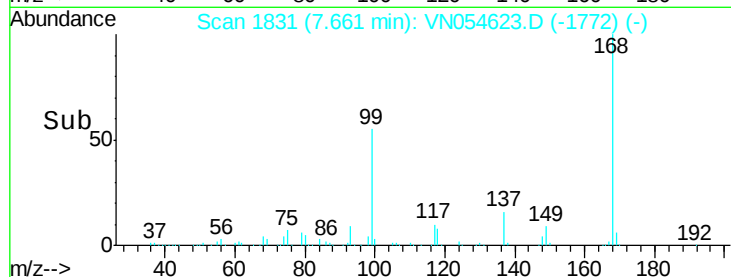
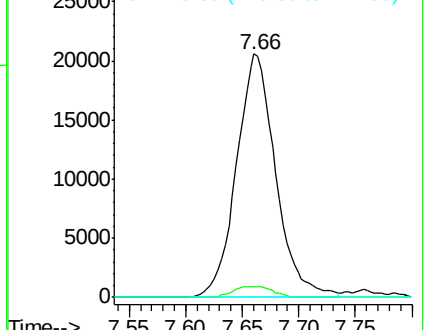
121 0.0 24.6 36.8#



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: 3.007 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

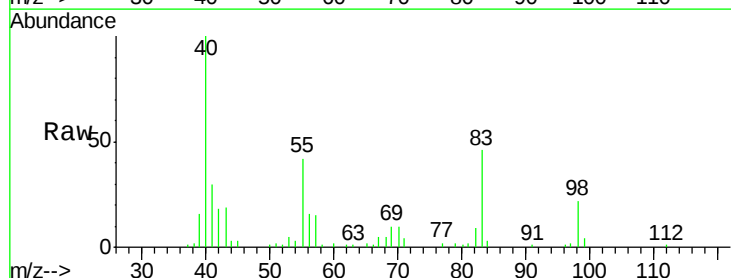
Tgt Ion: 83 Resp: 26483

Ion Ratio Lower Upper

83 100

55 92.4 56.6 84.8#

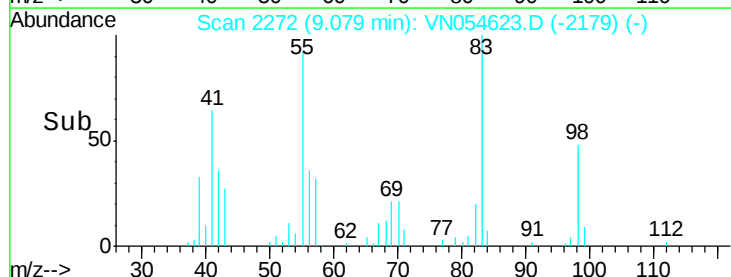
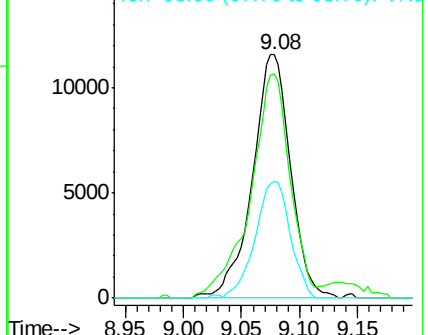
98 48.1 38.4 57.6

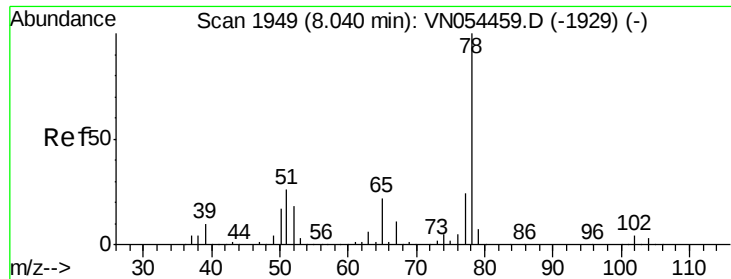


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.535 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

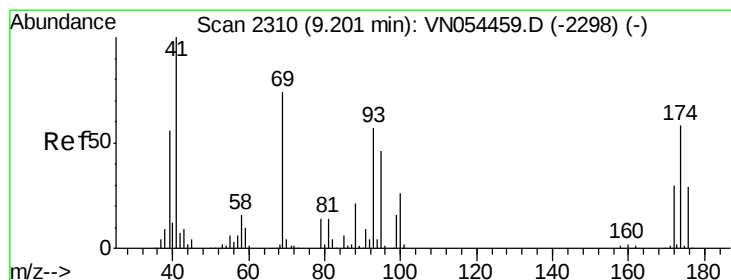
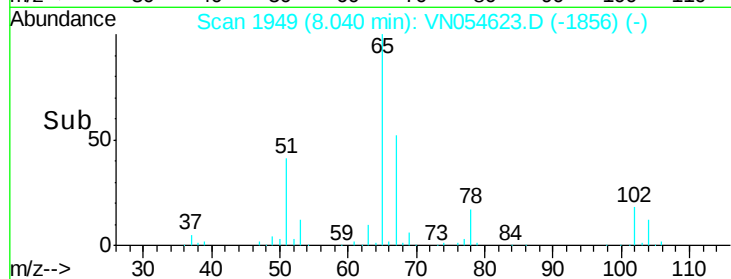
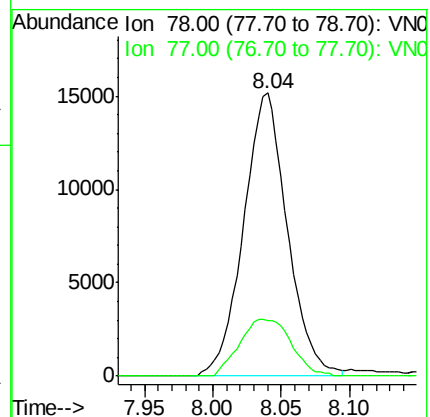
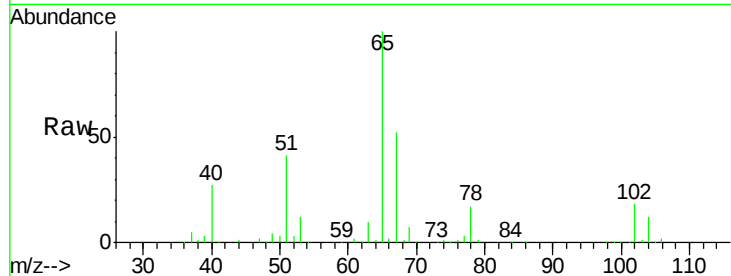
WP022SB442-190319-(12-14)ME

Tot Ion: 78 Resp: 33797

Ion Ratio Lower Upper

78 100

77 19.7 19.1 28.7



#48

Methyl methacrylate

Concen: 0.205 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

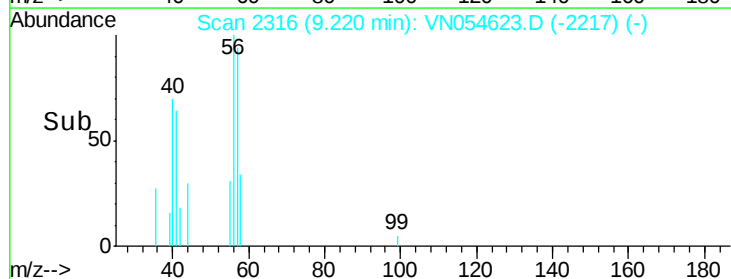
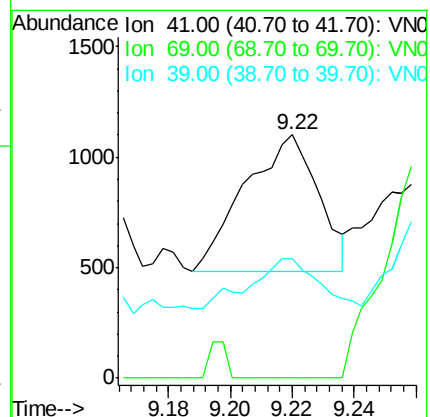
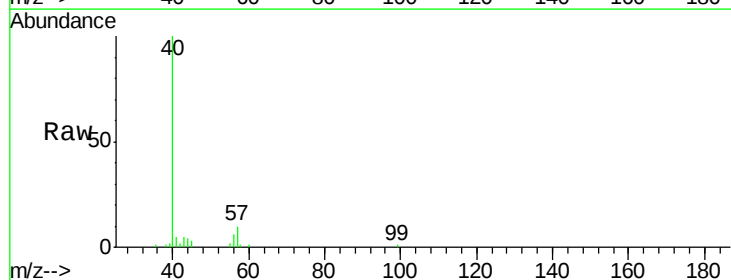
Tgt Ion: 41 Resp: 1028

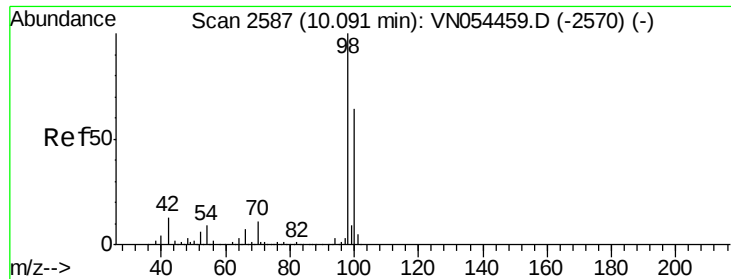
Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

39 33.1 47.5 71.3#

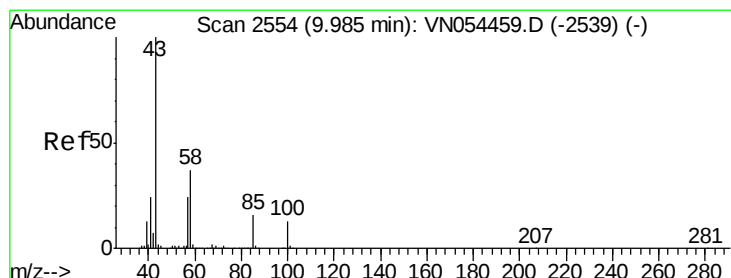
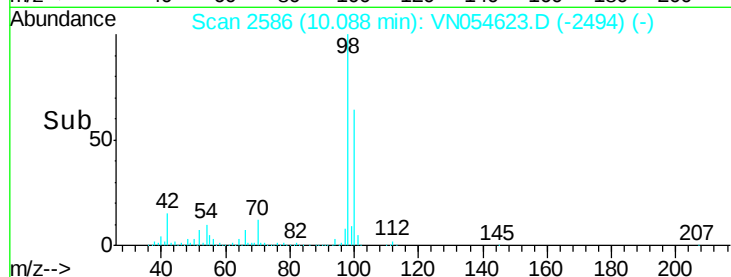
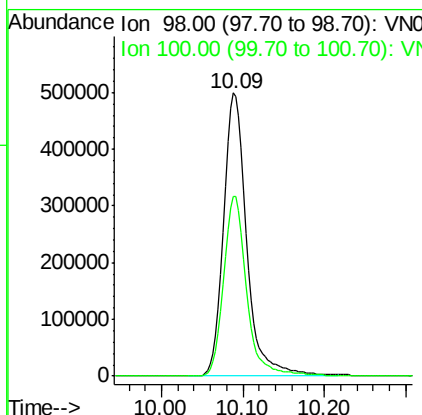
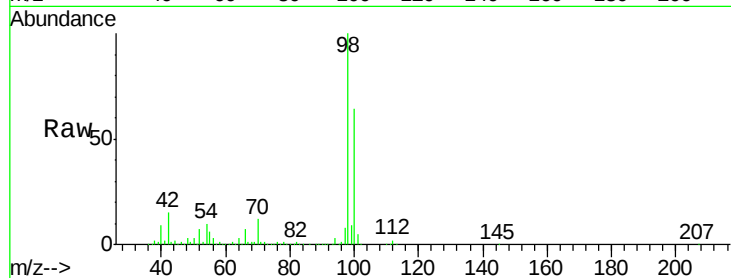




#50
Toluene-d8
Concen: 50.623 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

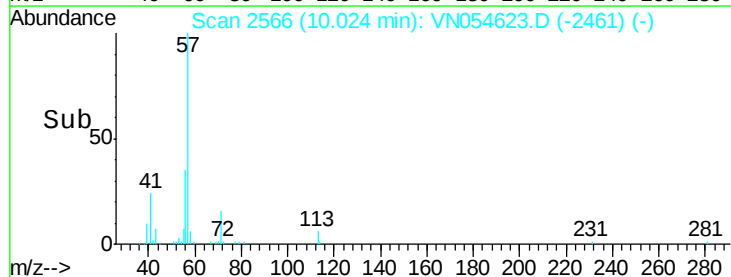
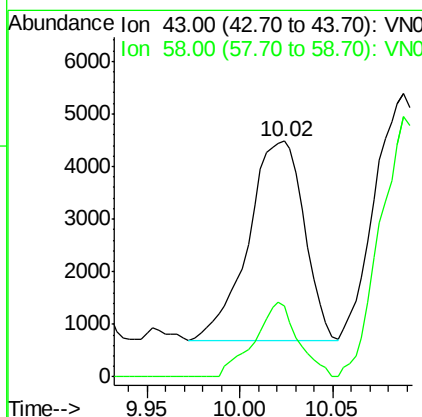
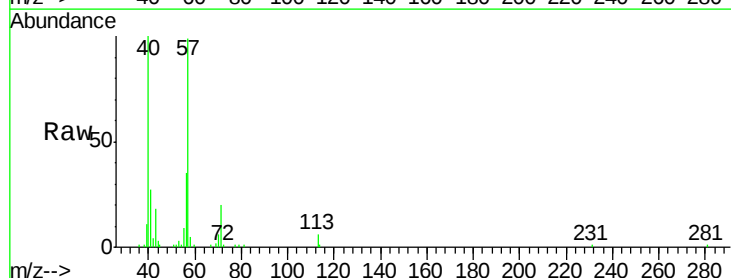
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-(12-14)ME

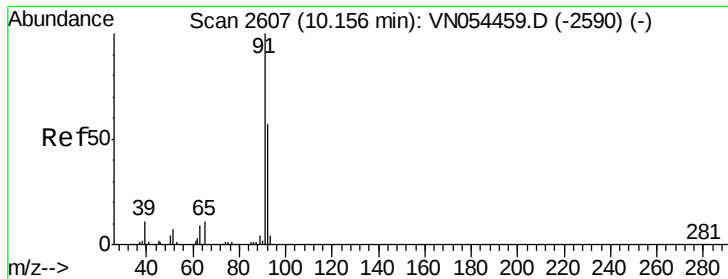
Tot Ion: 98 Resp: 1009482
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.543 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

Tgt Ion: 43 Resp: 7909
Ion Ratio Lower Upper
43 100
58 29.5 31.8 47.6#





#52

Toluene

Concen: 0.228 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

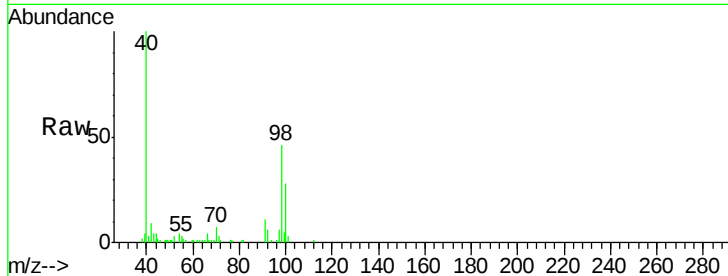
WP022SB442-190319-(12-14)ME

Tot Ion: 92 Resp: 3085

Ion Ratio Lower Upper

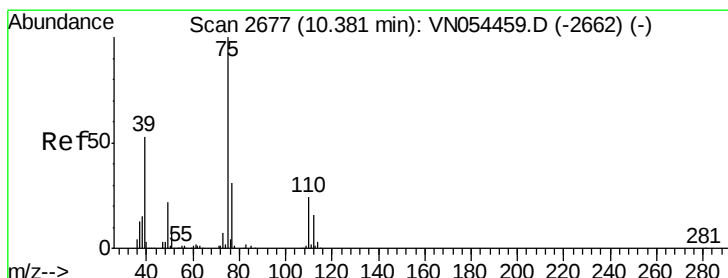
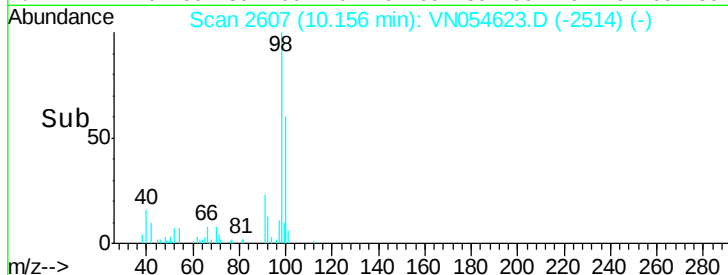
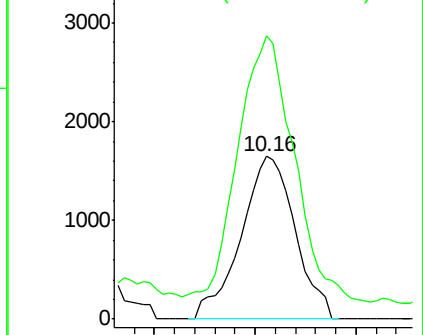
92 100

91 176.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054623.D

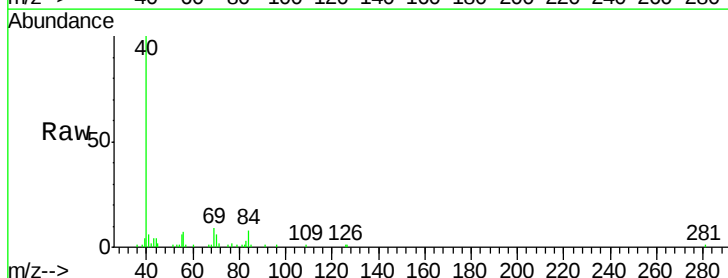
Acq: 24 Mar 2019 00:40

Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

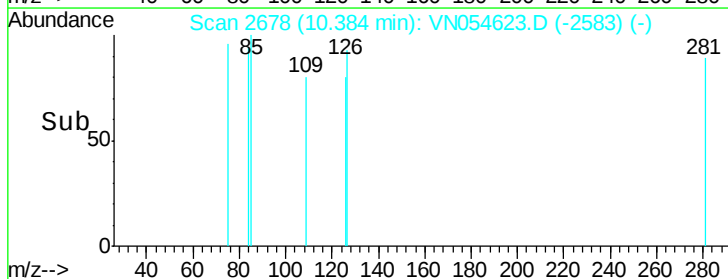
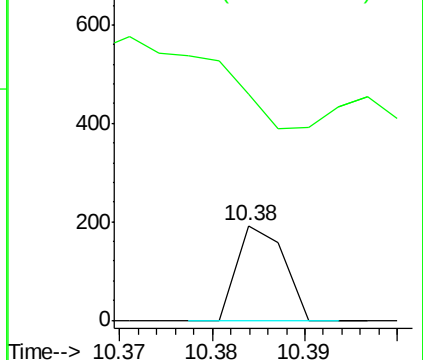
75 100

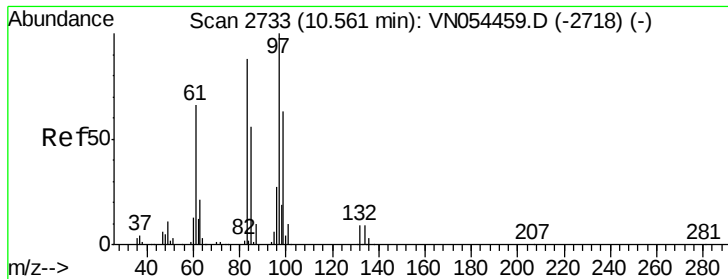
77 13.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

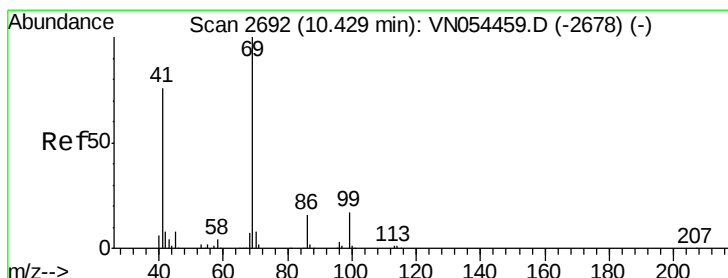
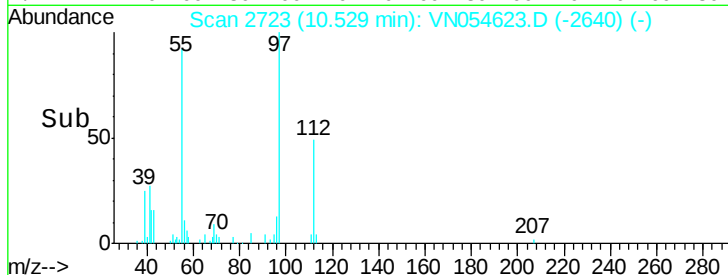
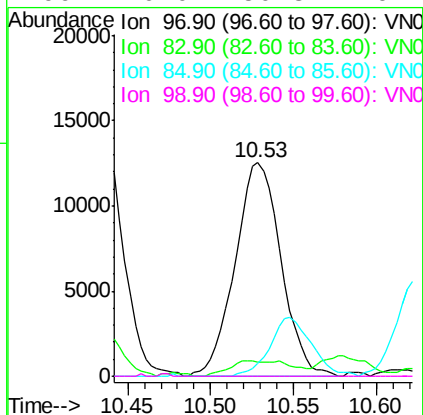
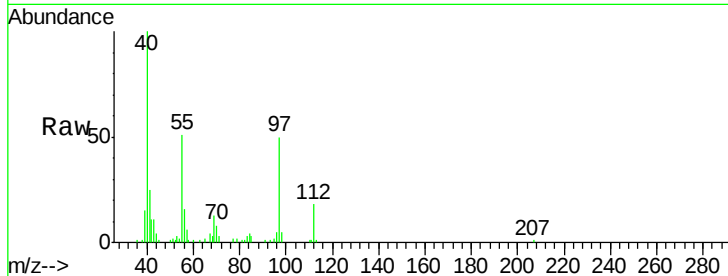




#55
 1,1,2-Trichloroethane
 Concen: 4.968 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN054623.D
 Acq: 24 Mar 2019 00:40

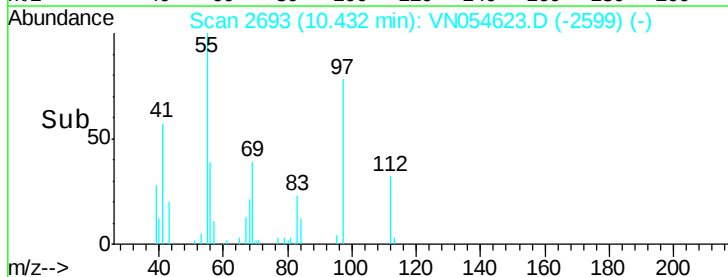
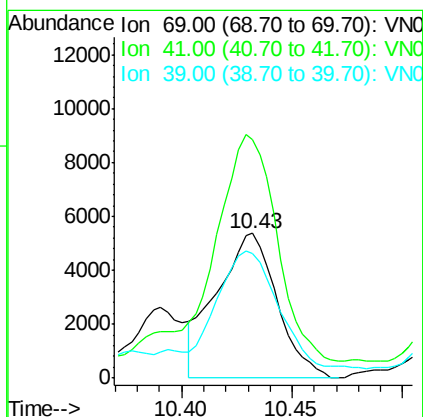
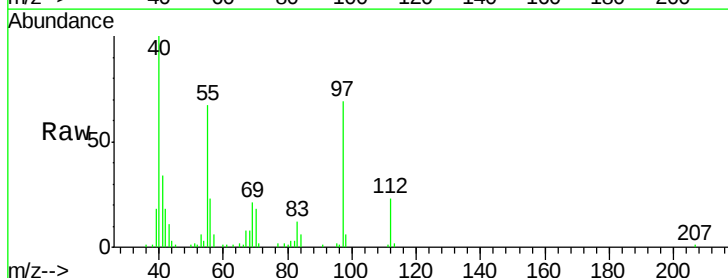
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-(12-14)ME

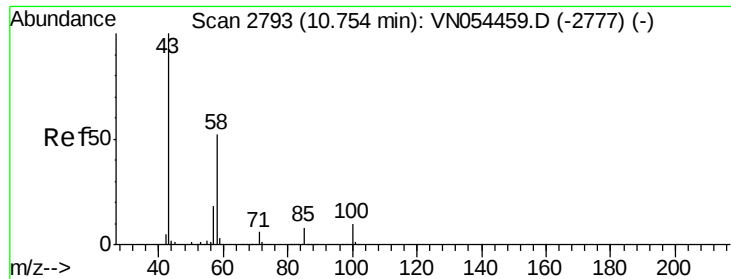
Tot Ion: 97 Resp: 24180
 Ion Ratio Lower Upper
 97 100
 83 5.6 66.6 100.0#
 85 5.9 44.4 66.6#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 1.567 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054623.D
 Acq: 24 Mar 2019 00:40

Tgt Ion: 69 Resp: 10238
 Ion Ratio Lower Upper
 69 100
 41 182.9 49.4 74.2#
 39 78.6 28.3 42.5#

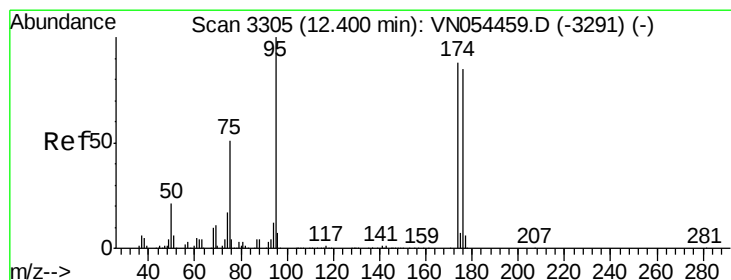
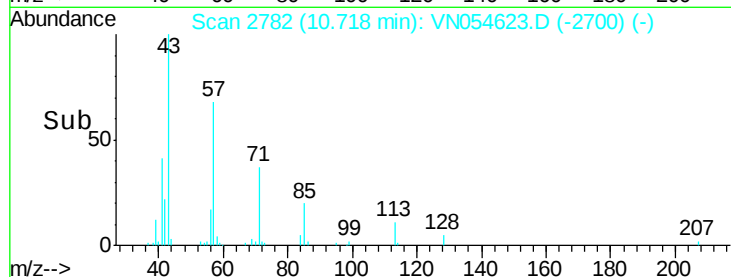
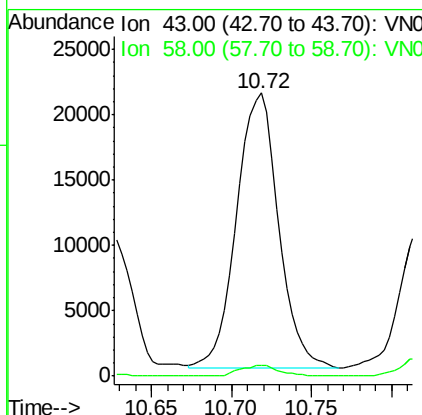
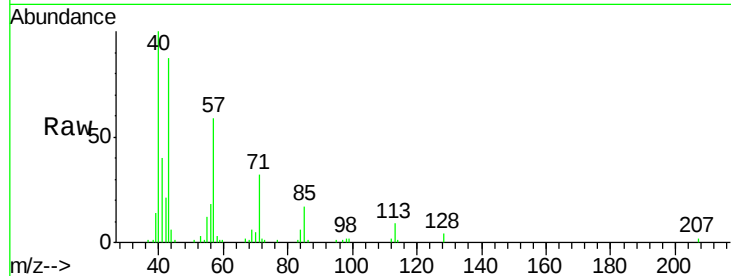




#59
2-Hexanone
Concen: 11.247 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.04 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

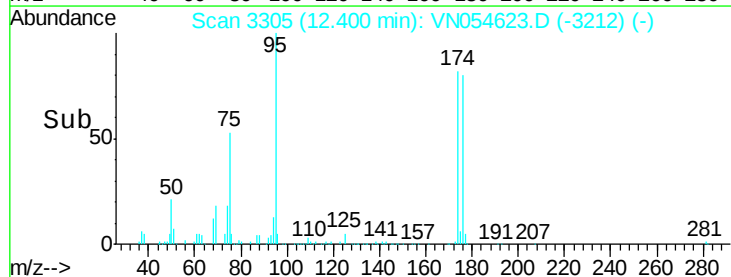
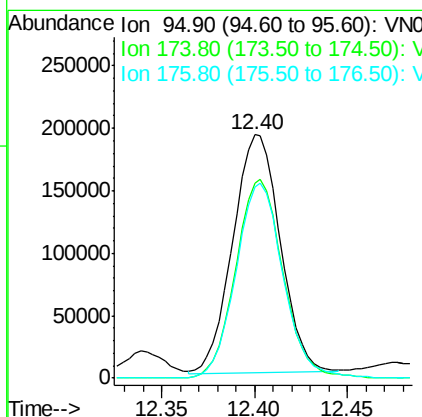
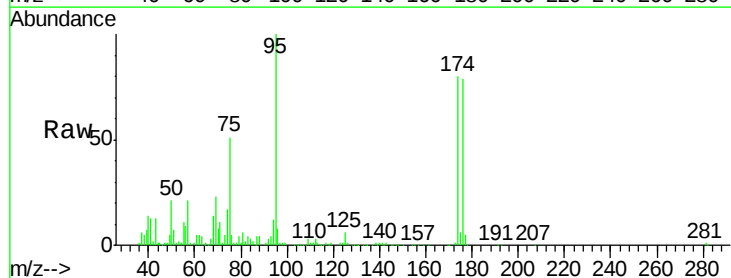
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-(12-14)ME

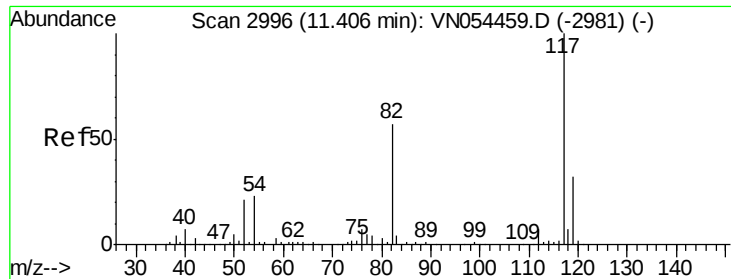
Tot Ion: 43 Resp: 37650
Ion Ratio Lower Upper
43 100
58 3.6 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 49.973 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

Tgt Ion: 95 Resp: 339098
Ion Ratio Lower Upper
95 100
174 83.5 0.0 191.0
176 81.6 0.0 187.4

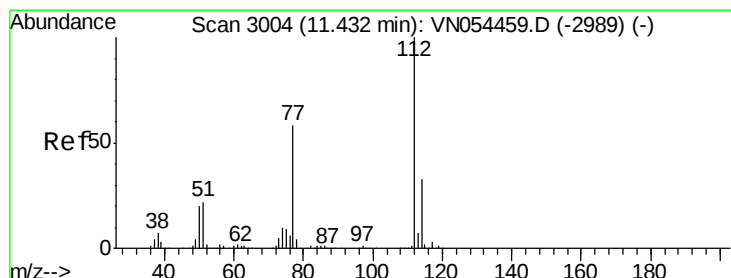
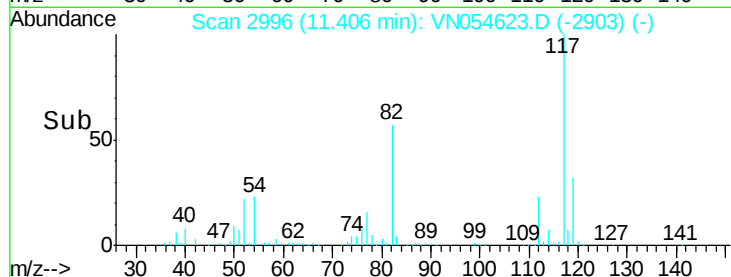
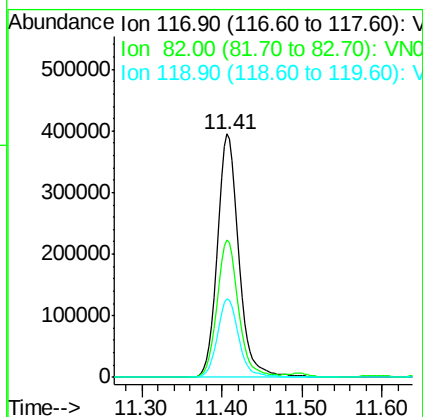
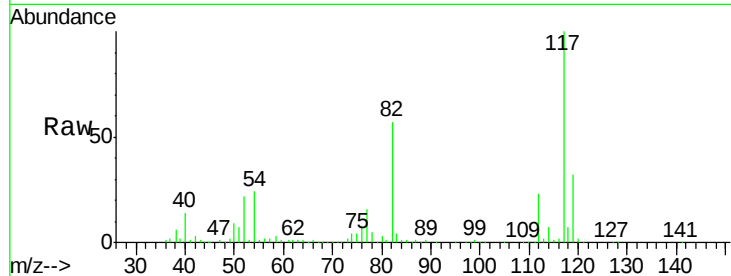




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

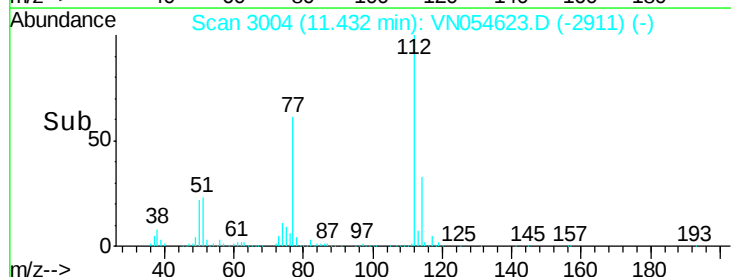
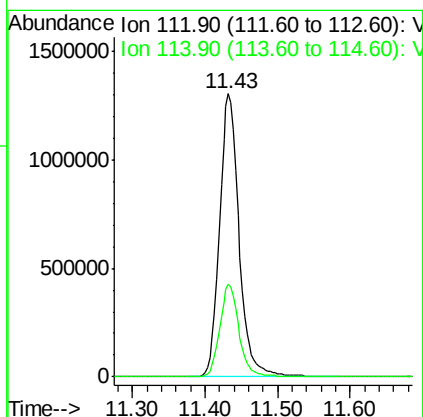
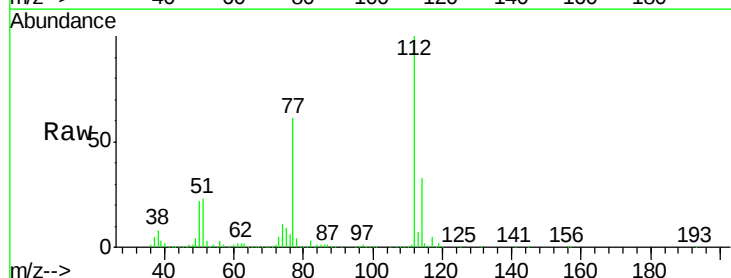
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-(12-14)ME

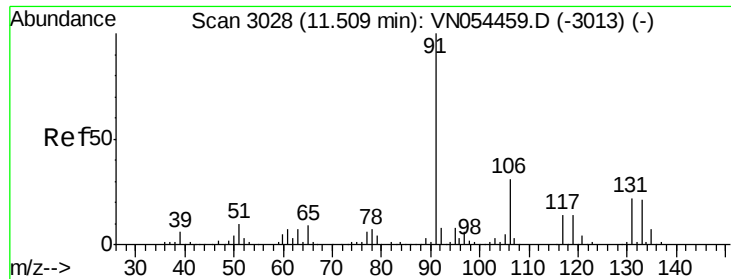
Tot Ion:117 Resp: 735991
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 32.2 25.8 38.6



#65
Chlorobenzene
Concen: 161.653 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

Tgt Ion:112 Resp: 2419818
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9

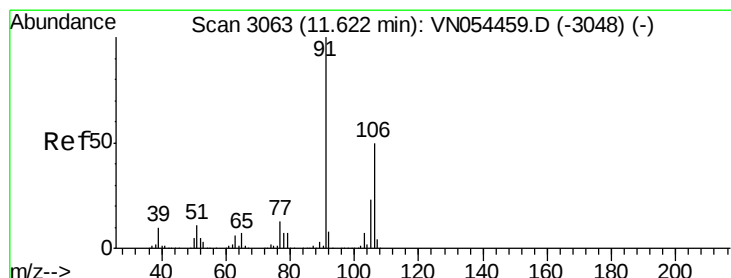
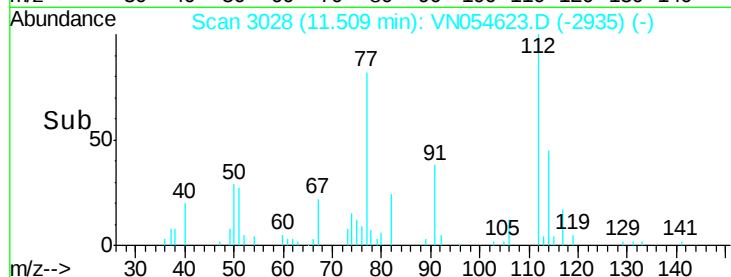
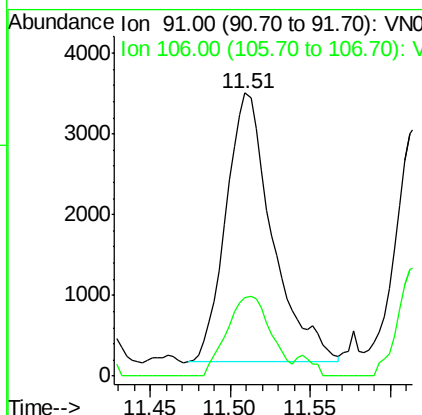
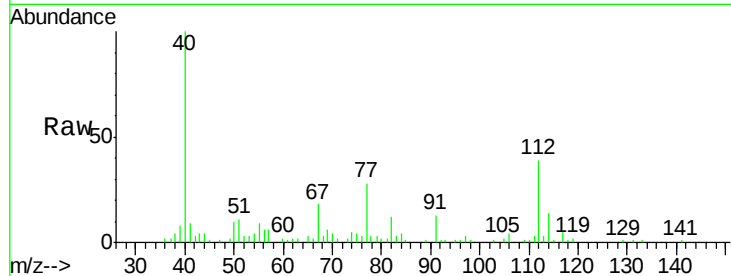




#67
Ethyl Benzene
Concen: 0.248 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

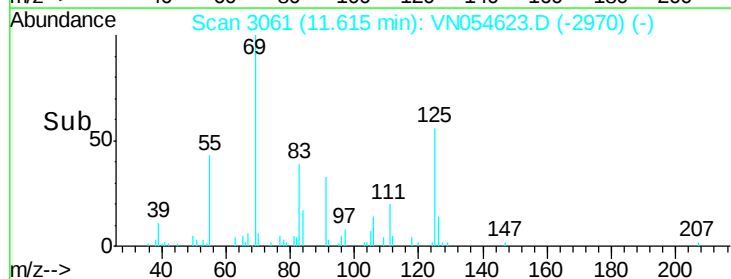
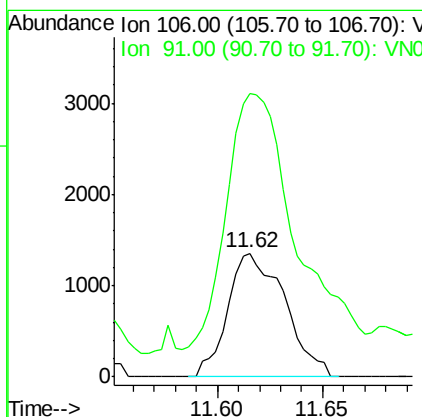
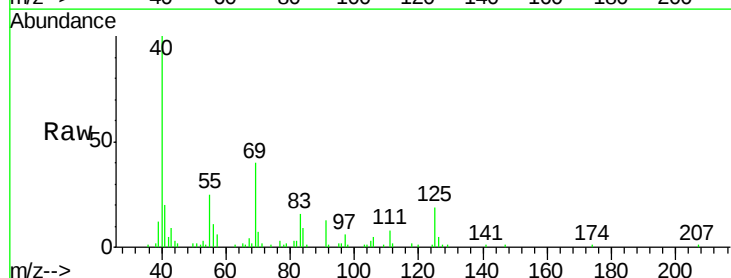
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-(12-14)ME

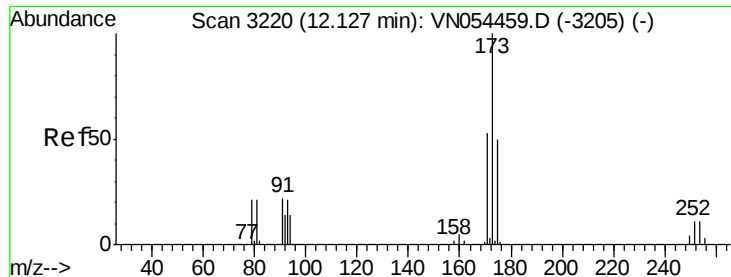
Tot Ion: 91 Resp: 6568
Ion Ratio Lower Upper
91 100
106 29.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.255 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

Tgt Ion: 106 Resp: 2554
Ion Ratio Lower Upper
106 100
91 248.5 159.4 239.2#





#71

Bromoform

Concen: 2.369 ug/l

RT: 12.17 min Scan# 3235

Delta R.T. 0.05 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

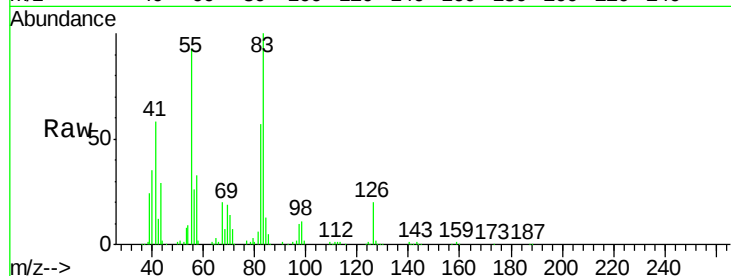
Tot Ion:173 Resp: 574

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

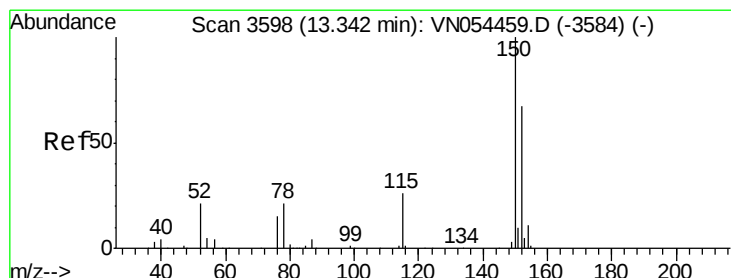
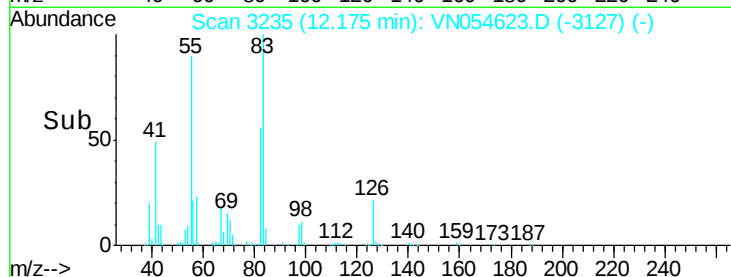
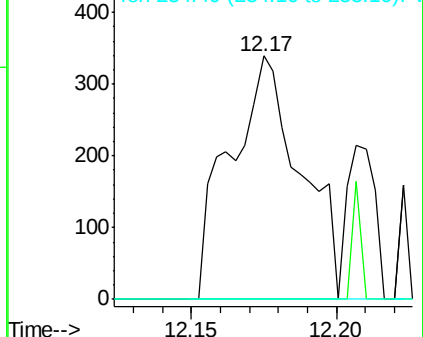
254 0.0 0.1 0.1#



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: VN054623.D

Acq: 24 Mar 2019 00:40

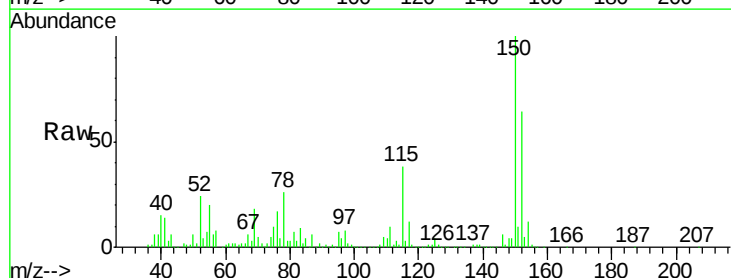
Tgt Ion:152 Resp: 342926

Ion Ratio Lower Upper

152 100

115 55.7 27.2 81.6

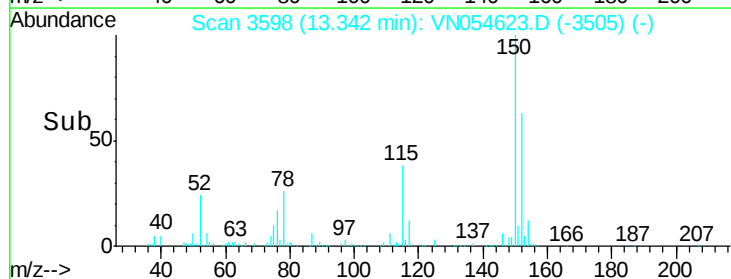
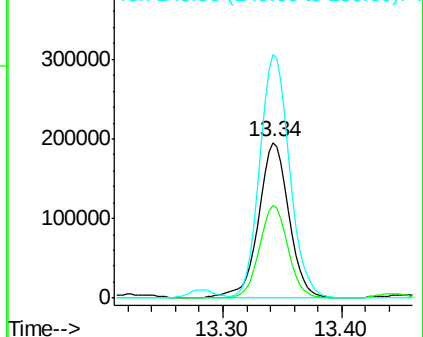
150 154.6 0.0 349.2

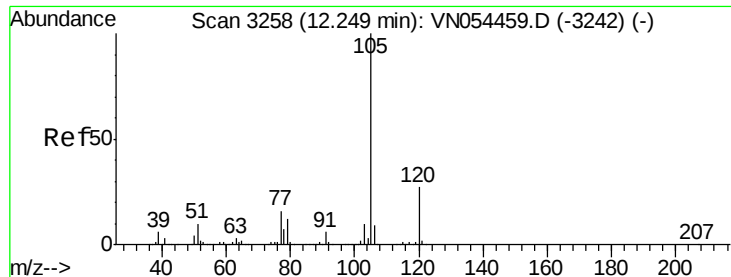


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.205 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

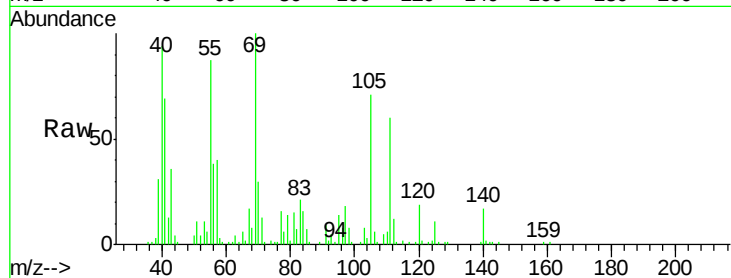
WP022SB442-190319-(12-14)ME

Tot Ion:105 Resp: 33300

Ion Ratio Lower Upper

105 100

120 26.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

20000

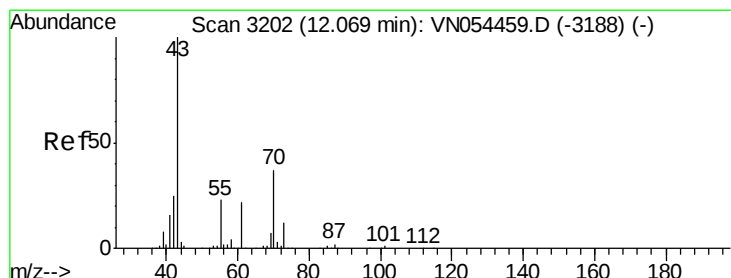
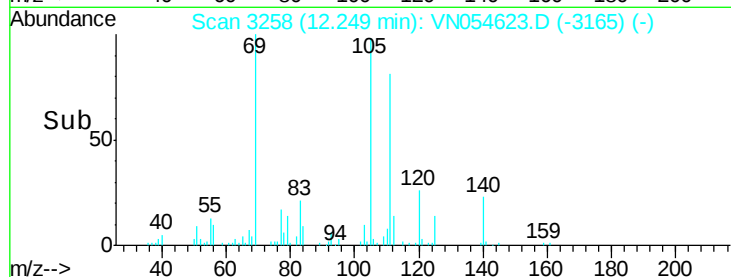
15000

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 21.074 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Tgt Ion: 43 Resp: 167444

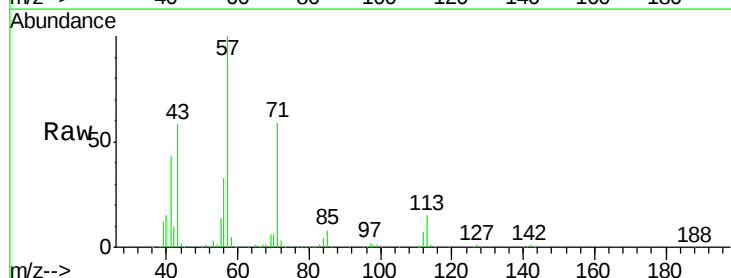
Ion Ratio Lower Upper

43 100

70 9.8 35.4 53.0#

55 8.8 19.8 29.6#

61 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

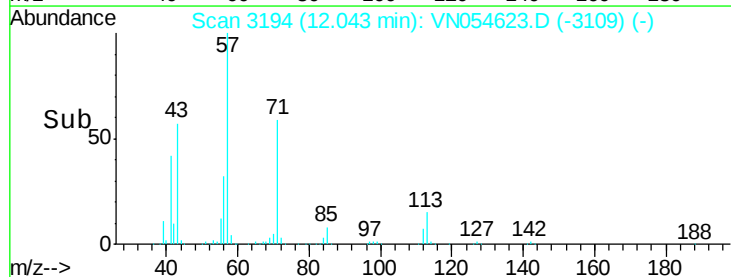
150000

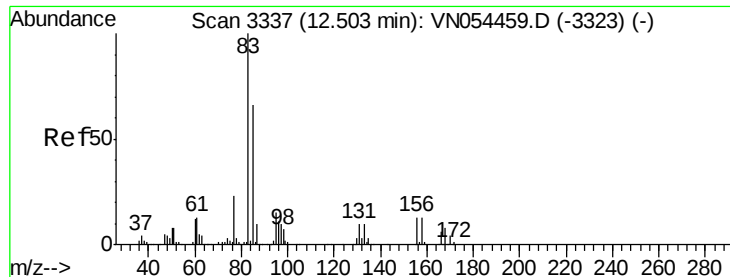
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.953 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

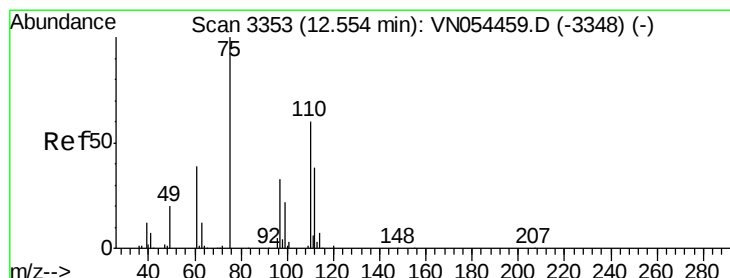
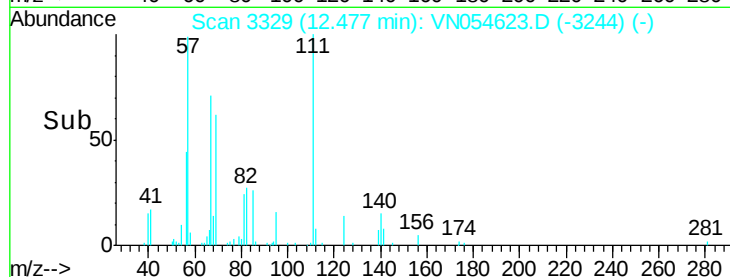
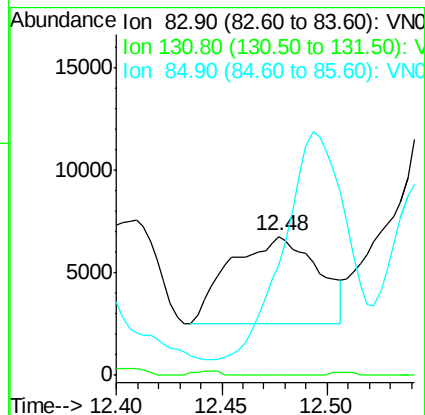
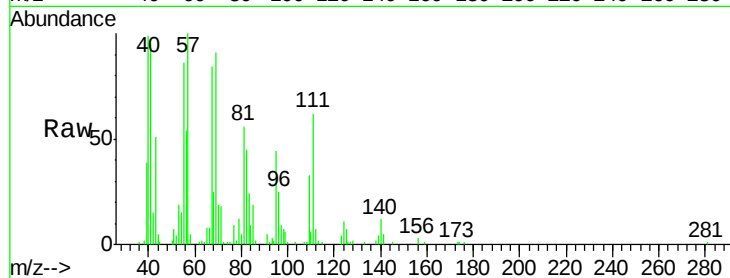
Tot Ion: 83 Resp: 12321

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 187.5 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 32.552 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054623.D

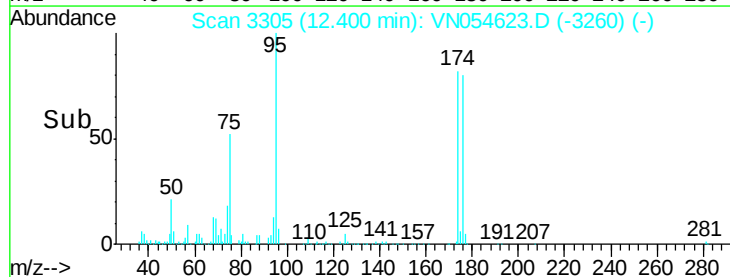
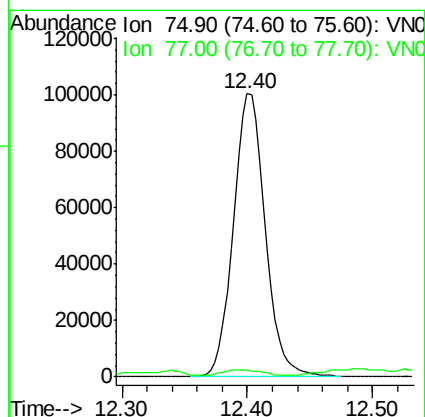
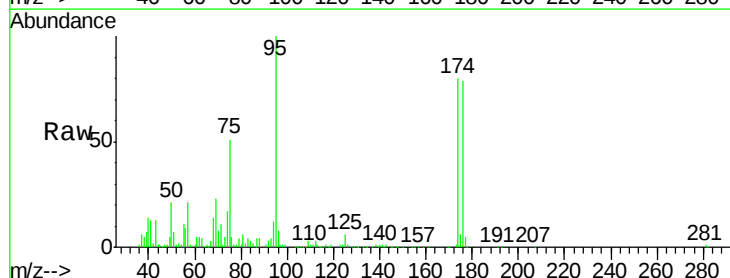
Acq: 24 Mar 2019 00:40

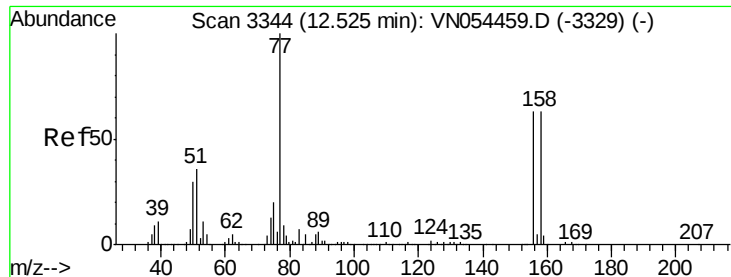
Tgt Ion: 75 Resp: 177136

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#





#77

Bromobenzene

Concen: 0.397 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.02 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

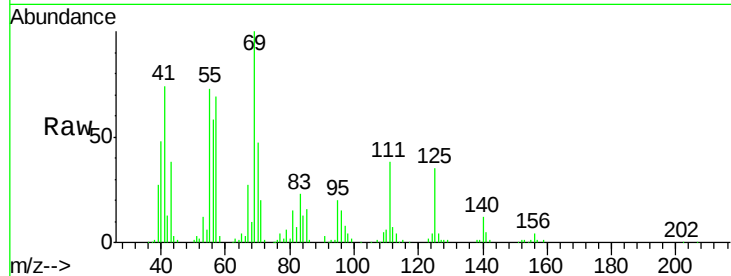
Tot Ion:156 Resp: 2721

Ion Ratio Lower Upper

156 100

77 137.9 81.5 244.4

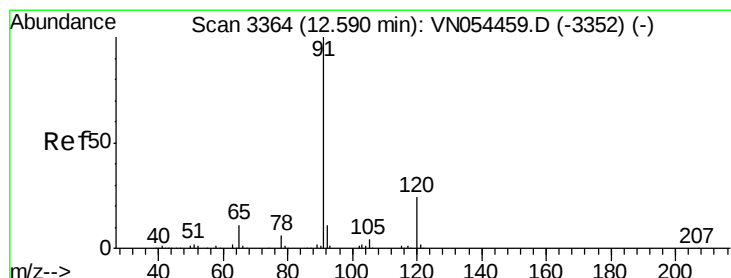
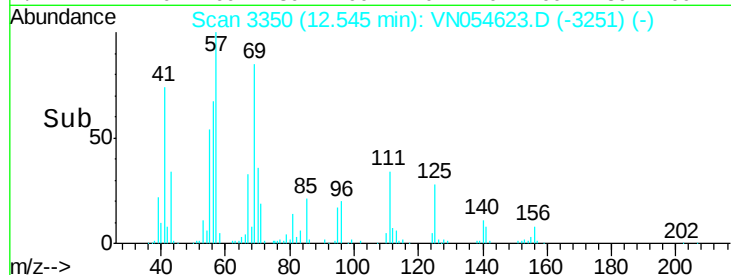
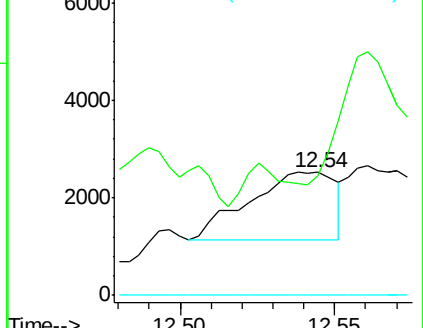
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.868 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054623.D

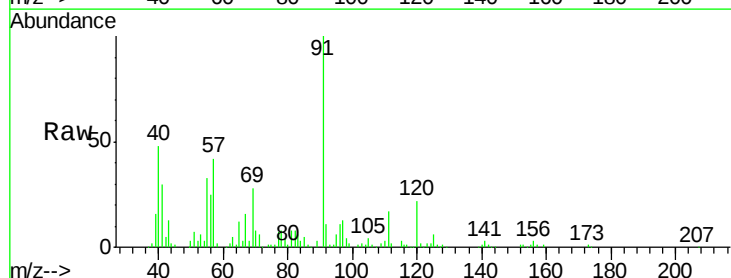
Acq: 24 Mar 2019 00:40

Tgt Ion: 91 Resp: 85934

Ion Ratio Lower Upper

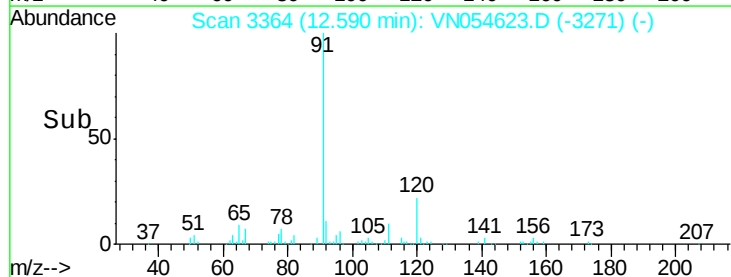
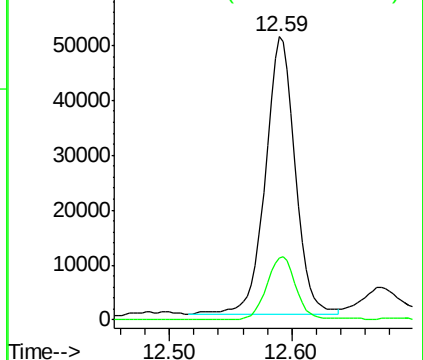
91 100

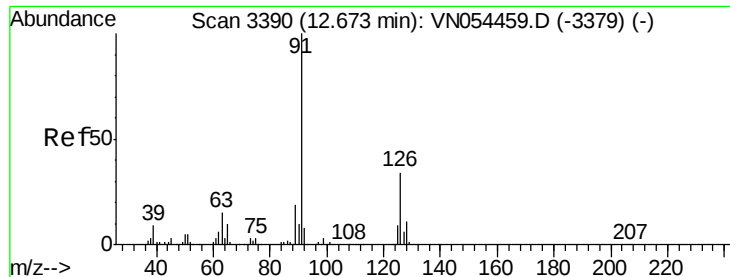
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.478 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

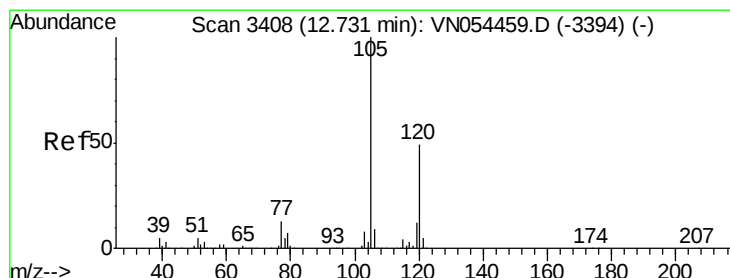
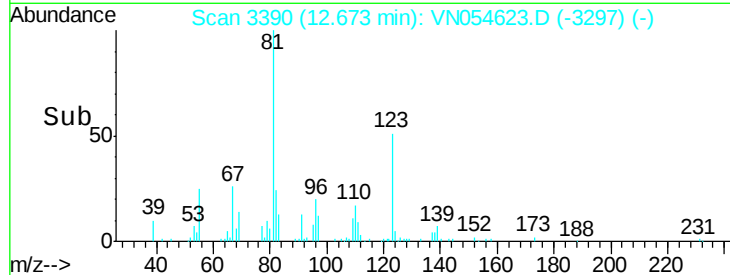
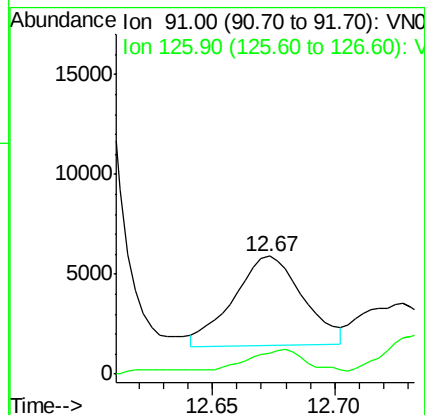
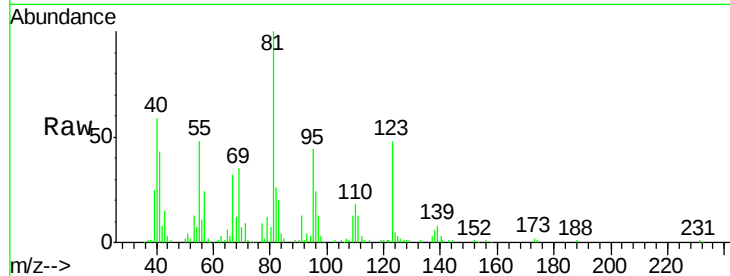
WP022SB442-190319-(12-14)ME

Tot Ion: 91 Resp: 8923

Ion Ratio Lower Upper

91 100

126 18.2 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 2.726 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.16 min

Lab File: VN054623.D

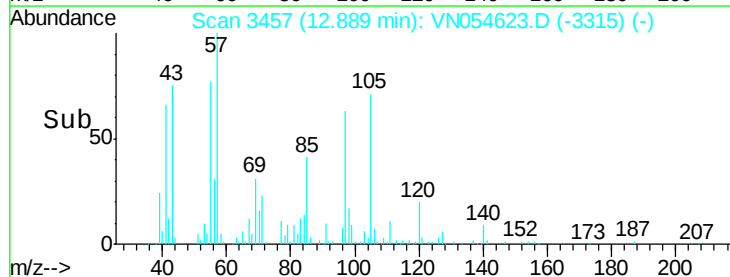
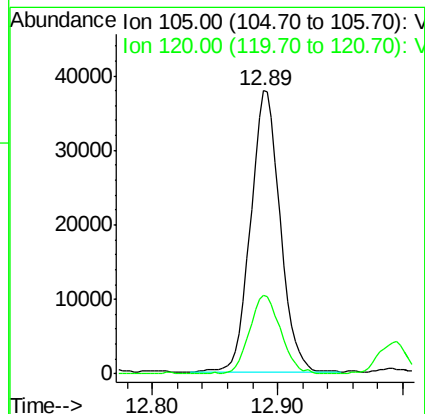
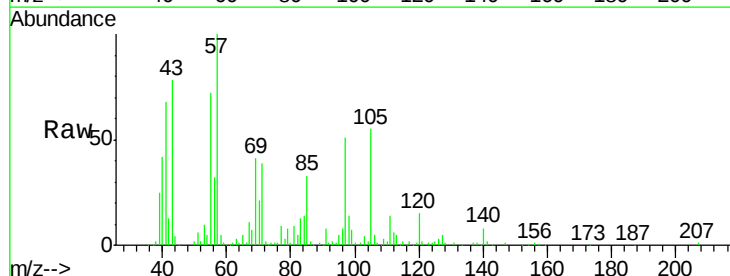
Acq: 24 Mar 2019 00:40

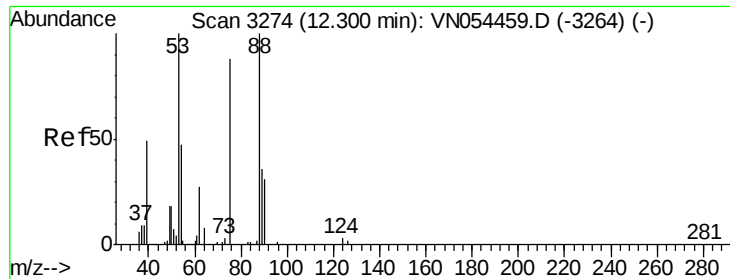
Tgt Ion: 105 Resp: 61735

Ion Ratio Lower Upper

105 100

120 29.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 108.270 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

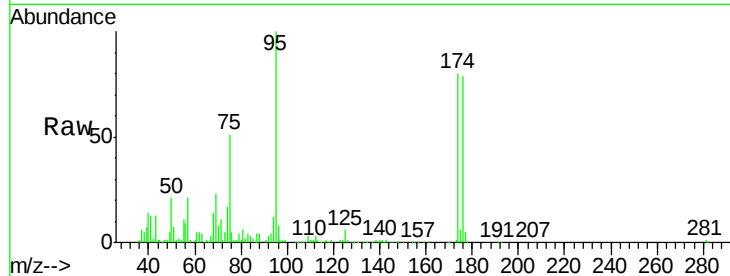
Tot Ion: 75 Resp: 177136

Ion Ratio Lower Upper

75 100

53 4.3 76.2 114.2#

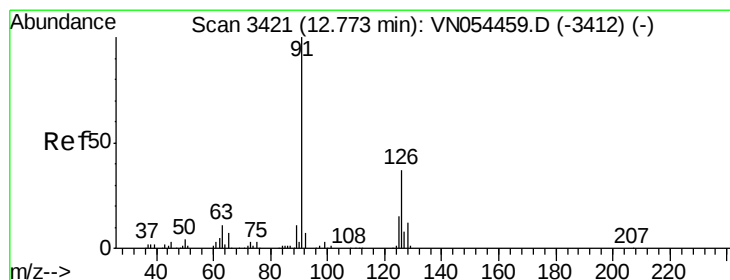
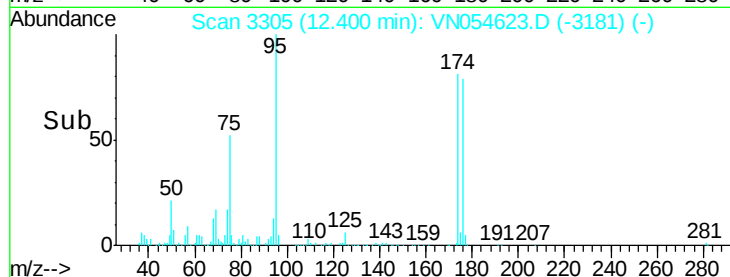
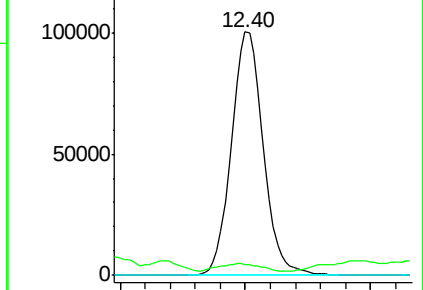
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.208 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.05 min

Lab File: VN054623.D

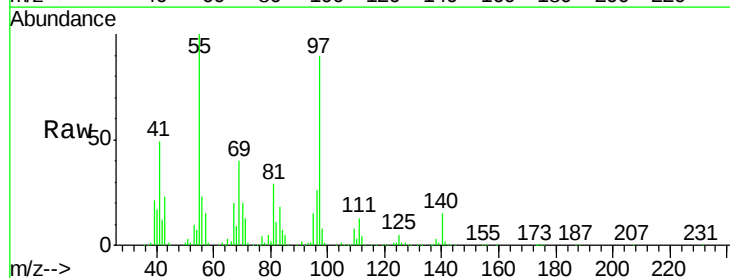
Acq: 24 Mar 2019 00:40

Tgt Ion: 91 Resp: 3769

Ion Ratio Lower Upper

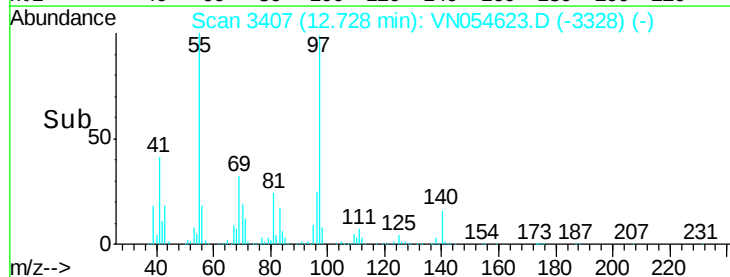
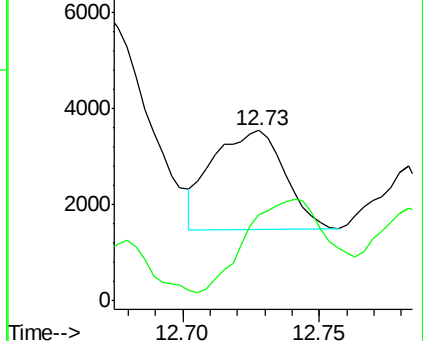
91 100

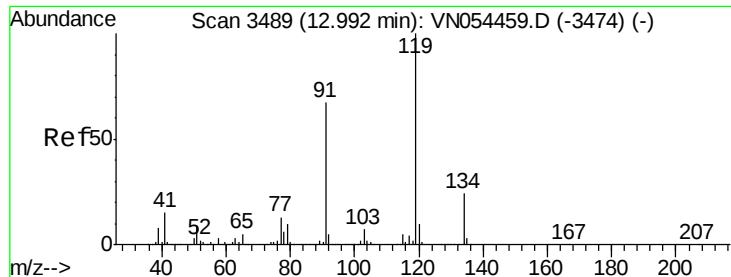
126 108.8 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 3.595 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

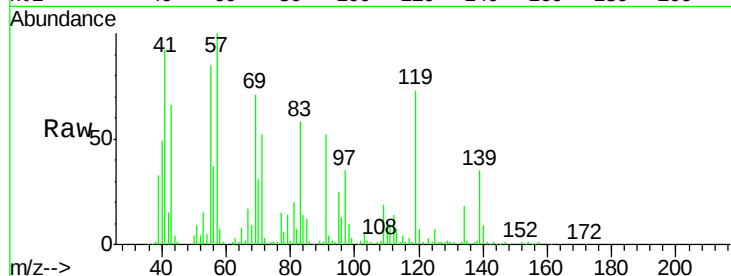
Tot Ion:119 Resp: 70878

Ion Ratio Lower Upper

119 100

91 65.6 30.9 92.8

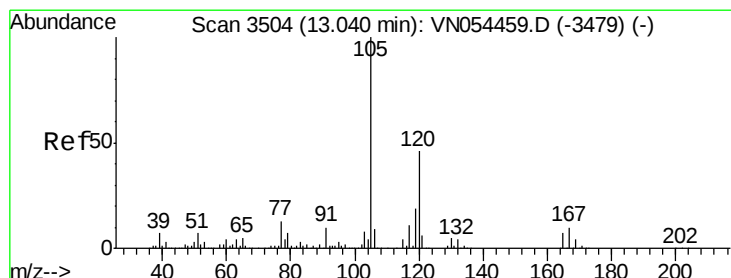
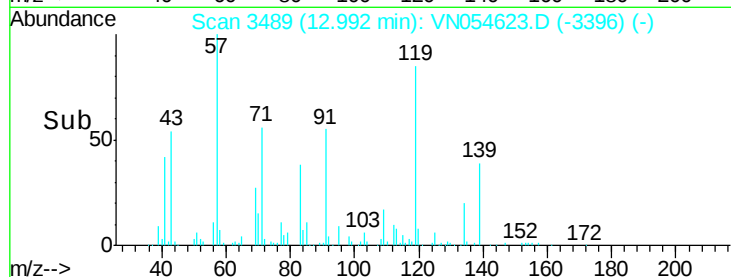
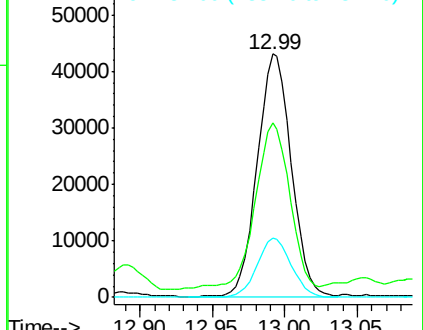
134 24.2 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.778 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. -0.15 min

Lab File: VN054623.D

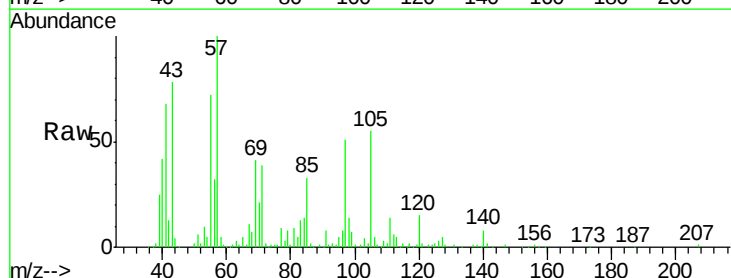
Acq: 24 Mar 2019 00:40

Tgt Ion:105 Resp: 61735

Ion Ratio Lower Upper

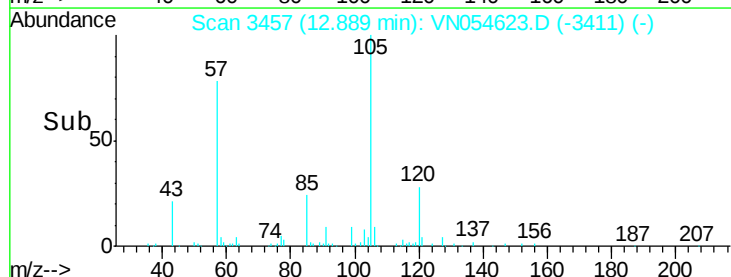
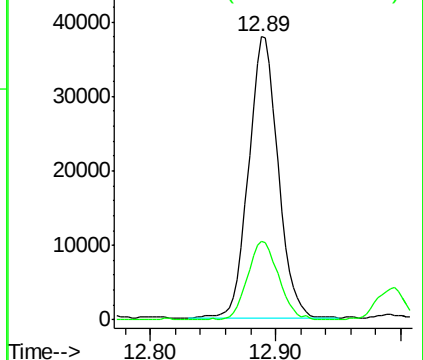
105 100

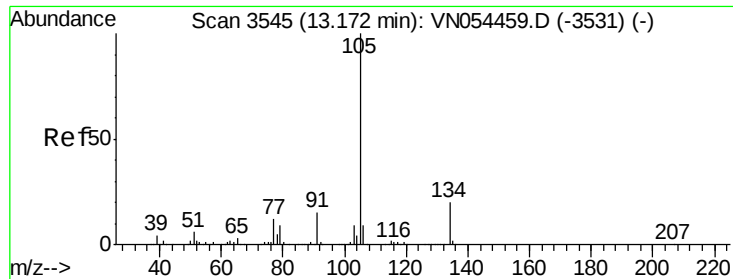
120 29.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.560 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

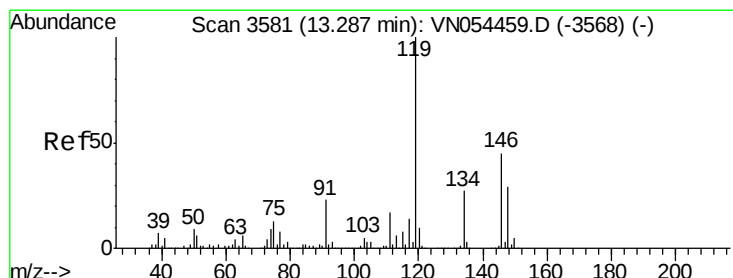
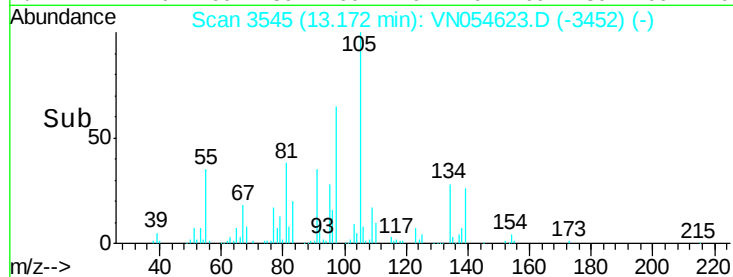
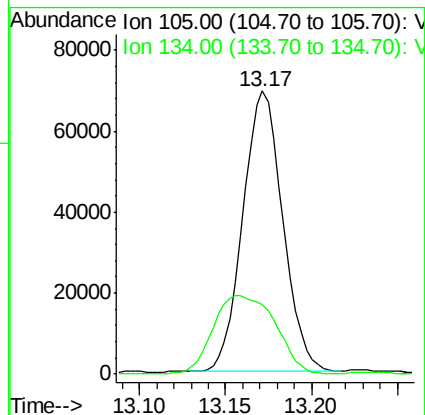
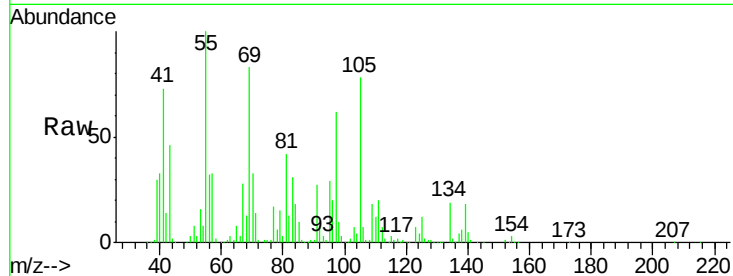
WP022SB442-190319-(12-14)ME

Tot Ion:105 Resp: 112072

Ion Ratio Lower Upper

105 100

134 43.7 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 4.922 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

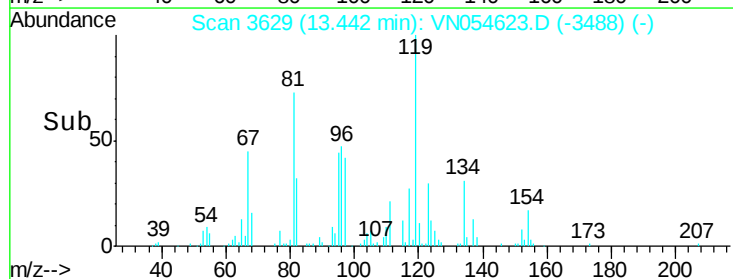
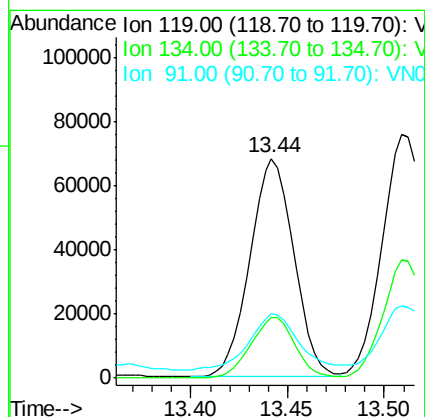
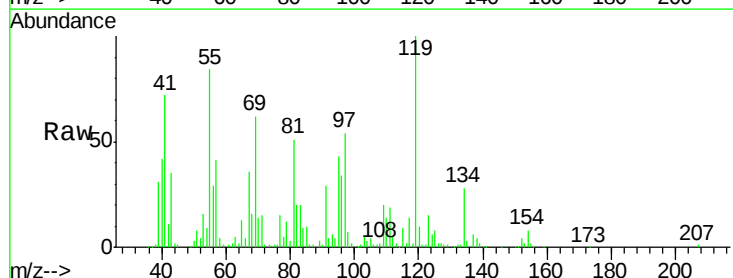
Tgt Ion:119 Resp: 108211

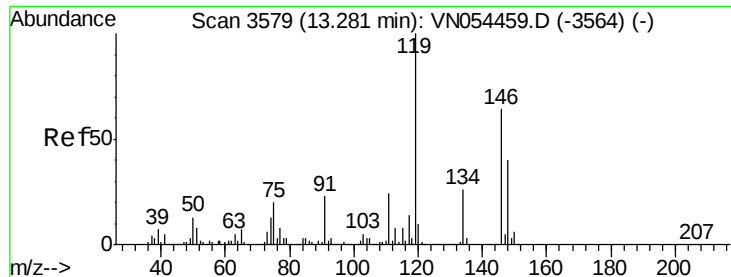
Ion Ratio Lower Upper

119 100

134 27.8 13.6 40.8

91 29.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 14.186 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

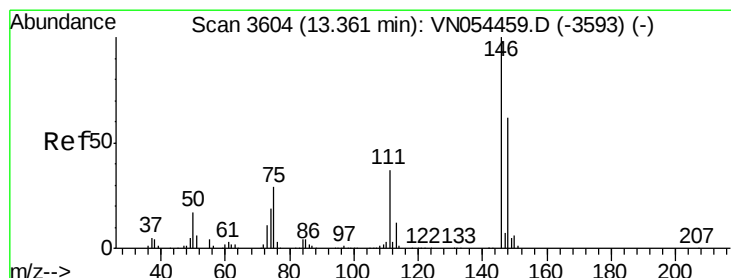
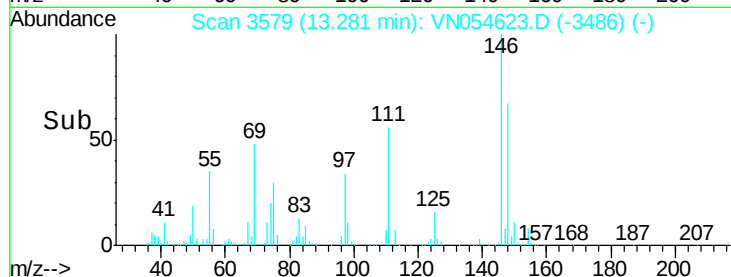
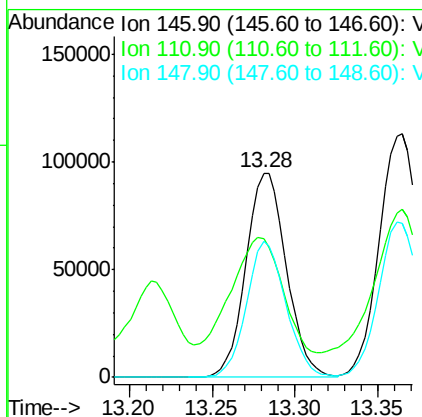
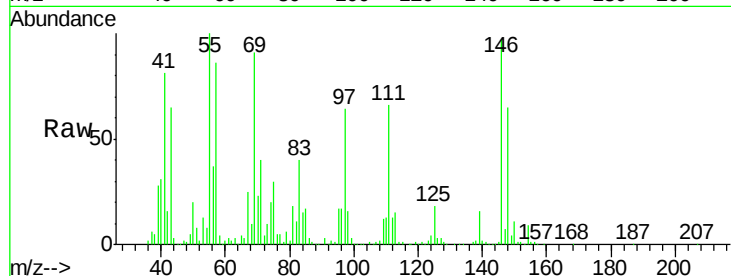
MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

Tot Ion:146 Resp: 161120

Ion	Ratio	Lower	Upper
146	100		
111	69.7	18.8	56.3#
148	64.7	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 17.627 ug/l

RT: 13.36 min Scan# 3605

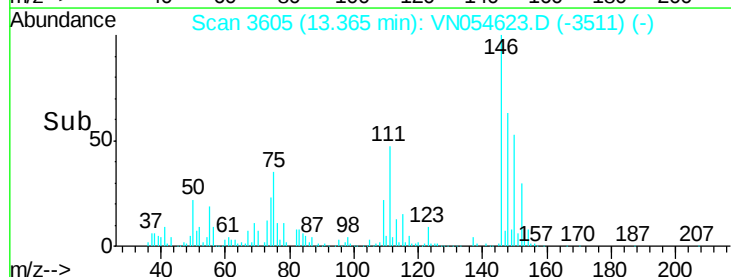
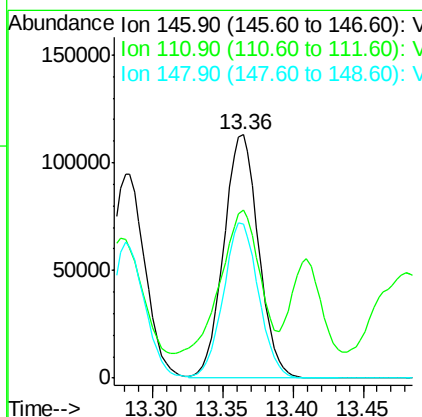
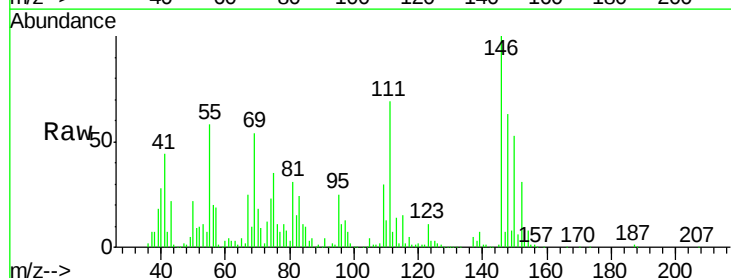
Delta R.T. 0.00 min

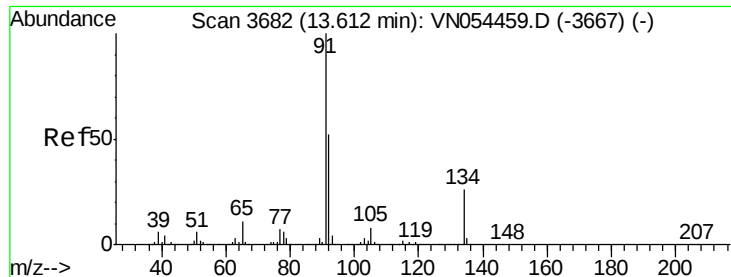
Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Tgt Ion:146 Resp: 194788

Ion	Ratio	Lower	Upper
146	100		
111	65.5	18.1	54.1#
148	64.2	32.0	96.0

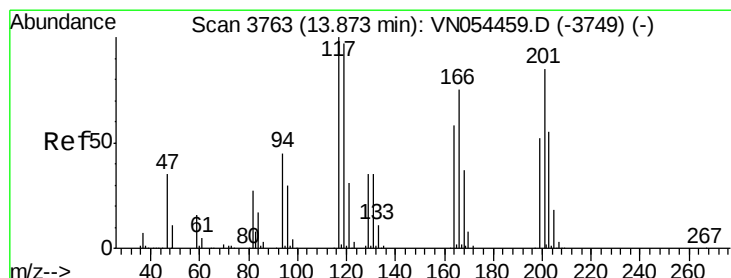
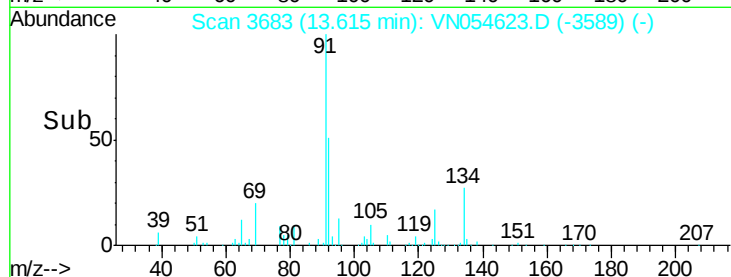
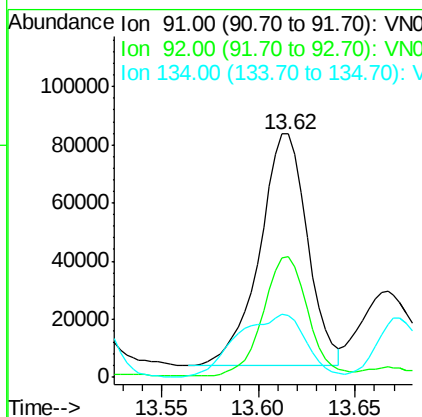
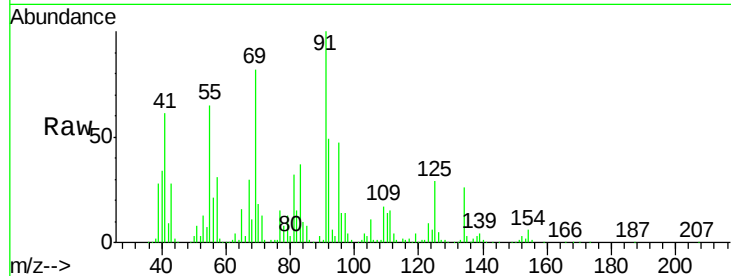




#89
n-Butylbenzene
Concen: 7.971 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

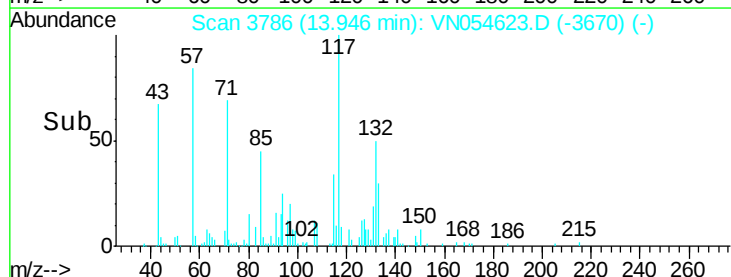
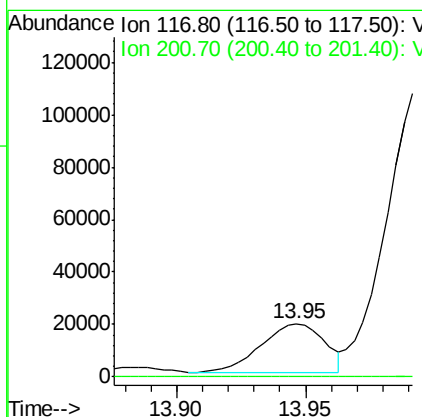
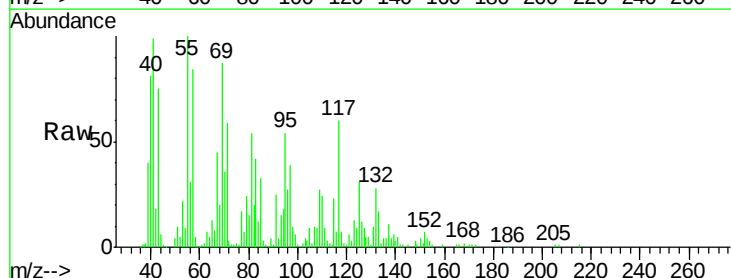
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-(12-14)ME

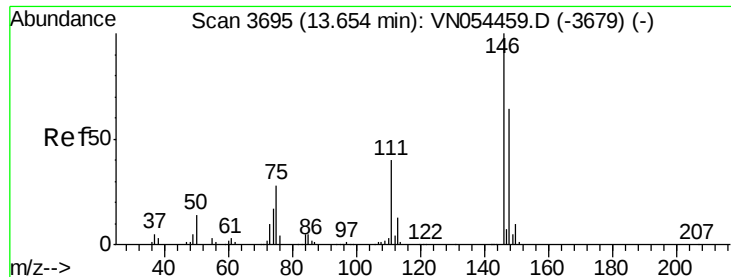
Tot Ion: 91 Resp: 137040
Ion Ratio Lower Upper
91 100
92 47.5 26.2 78.6
134 38.7 14.3 42.9



#90
Hexachloroethane
Concen: 9.532 ug/l
RT: 13.95 min Scan# 3786
Delta R.T. 0.07 min
Lab File: VN054623.D
Acq: 24 Mar 2019 00:40

Tgt Ion: 117 Resp: 32530
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#





#91

1,2-Dichlorobenzene

Concen: 2.162 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

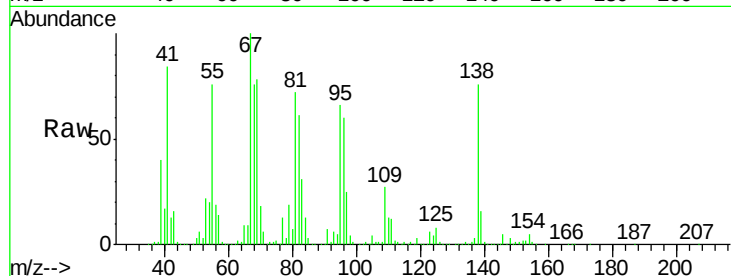
Tot Ion:146 Resp: 23786

Ion Ratio Lower Upper

146 100

111 434.8 19.1 57.3#

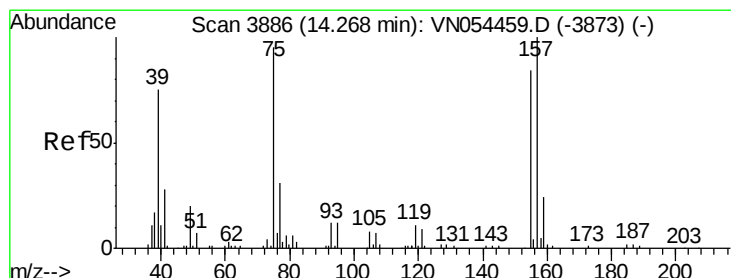
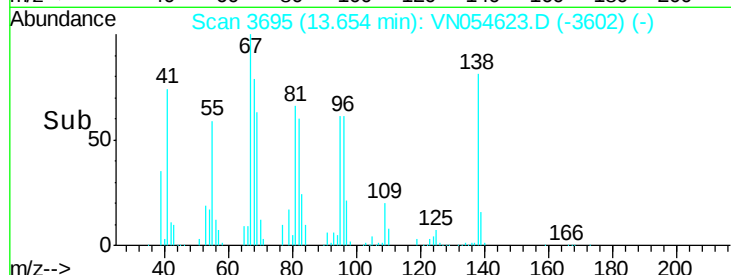
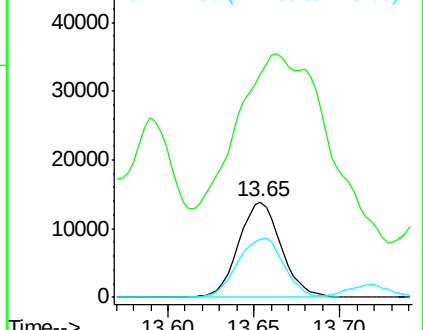
148 67.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.488 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

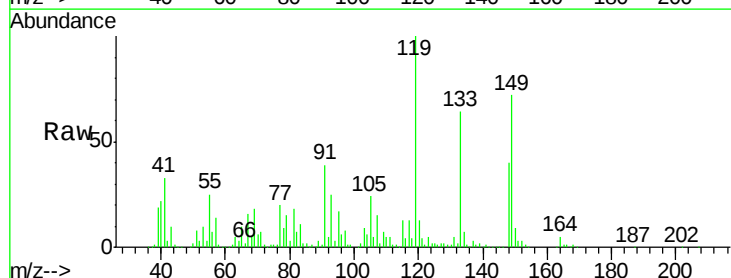
Tgt Ion: 75 Resp: 3227

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

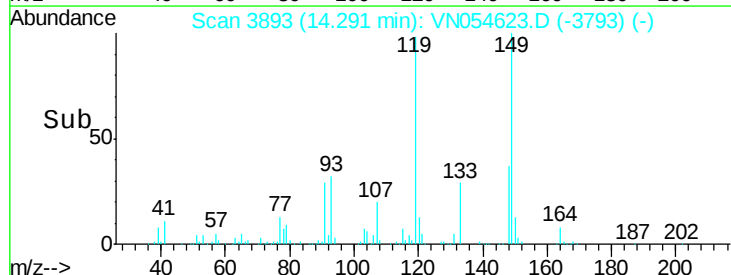
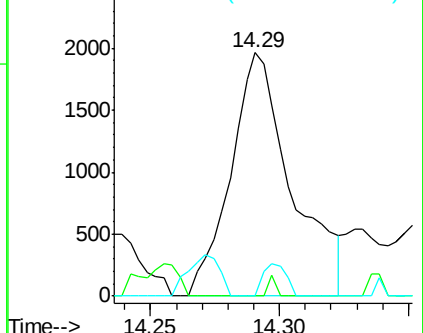
157 5.1 63.1 189.3#

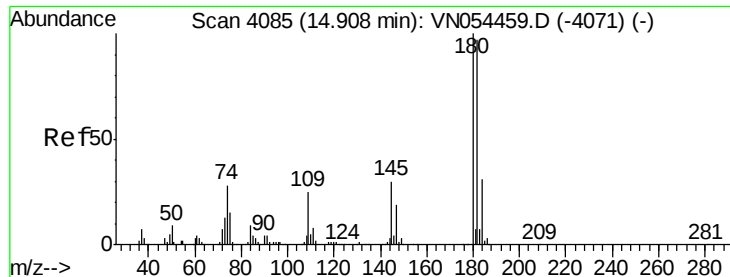


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

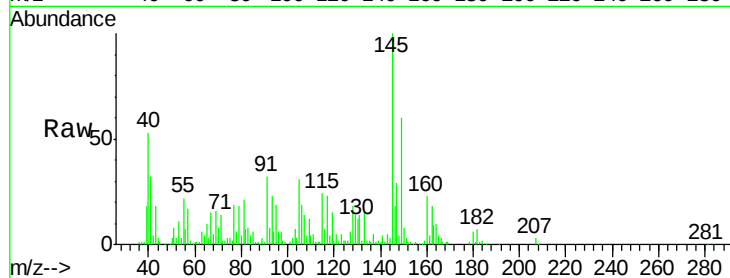




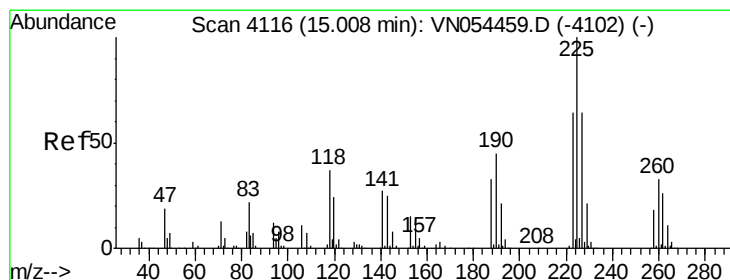
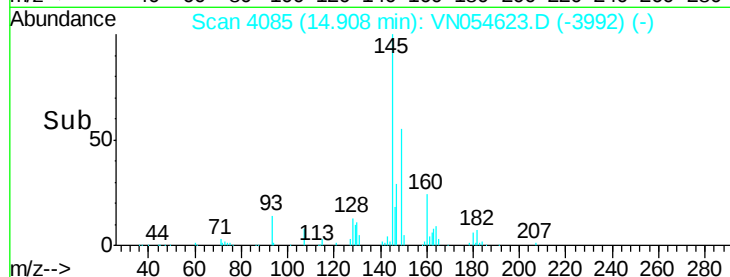
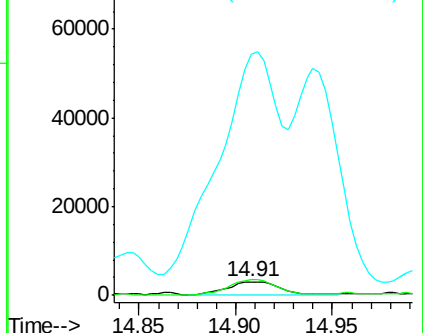
#93
 1,2,4-Trichlorobenzene
 Concen: 1.148 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054623.D
 Acq: 24 Mar 2019 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-(12-14)ME

Tot Ion:180 Resp: 6298
 Ion Ratio Lower Upper
 180 100
 182 103.6 48.0 144.2
 145 1938.9 14.2 42.8#

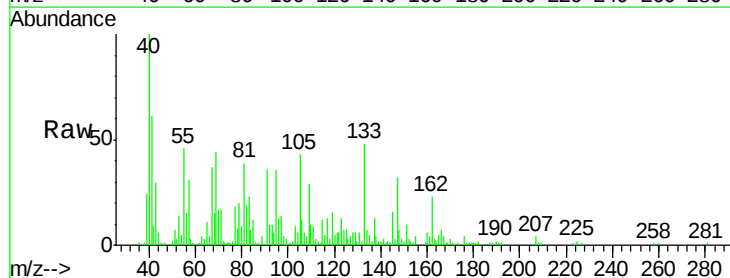


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

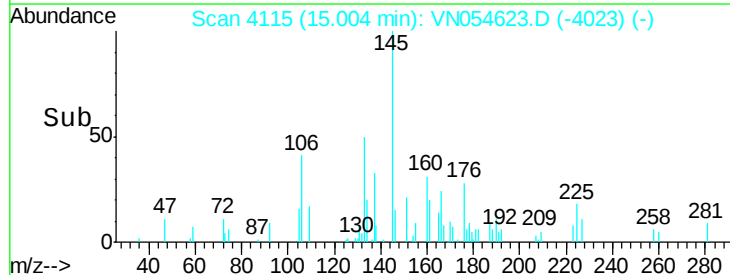
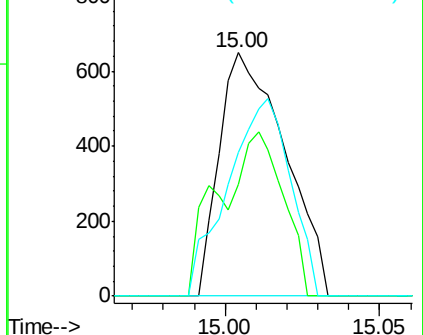


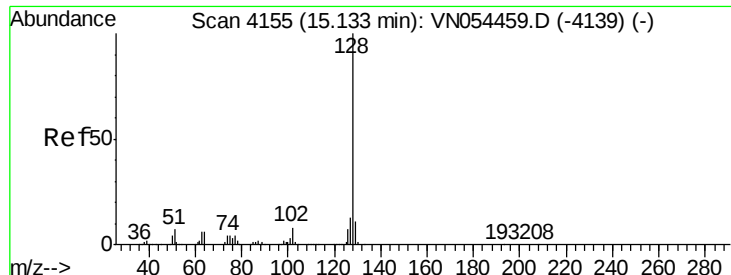
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN054623.D
 Acq: 24 Mar 2019 00:40

Tgt Ion:225 Resp: 959
 Ion Ratio Lower Upper
 225 100
 223 44.9 31.1 93.5
 227 77.5 31.9 95.9



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





#95

Naphthalene

Concen: 1.320 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054623.D

Acq: 24 Mar 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-(12-14)ME

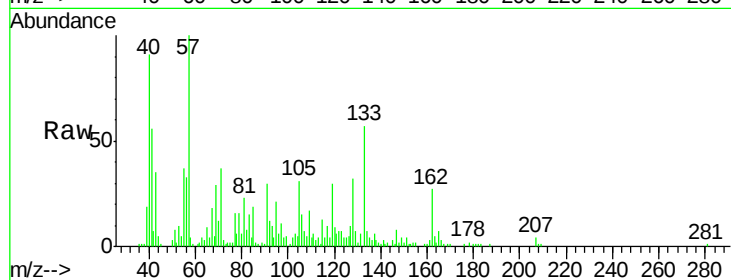
Tot Ion:128 Resp: 16152

Ion Ratio Lower Upper

128 100

127 35.3 10.1 15.1#

129 6.5 8.7 13.1#



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

