

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054625.D
 Acq On : 24 Mar 2019 1:35
 Operator : JC/SP
 Sample : K2043-02ME
 Misc : 5.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Mar 25 03:41:17 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	568941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	878275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360152	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	349058	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	7.59	113	265632	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	10.09	98	1080729	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	355460	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	3094	7.222	ug/l #	70
13) Acrolein	3.59	56	142	0.240	ug/l #	1
16) Acetone	3.82	43	775	0.364	ug/l #	87
18) Methyl Acetate	4.33	43	7323	1.544	ug/l #	67
20) Methylene Chloride	4.53	84	4144	0.661	ug/l #	81
25) 2-Butanone	6.85	43	748	0.274	ug/l #	46
31) Cyclohexane	7.66	56	12000	Below Cal	#	7
36) 1,1-Dichloropropene	7.66	75	41162	5.012	ug/l #	48
38) Carbon Tetrachloride	7.66	117	50346	6.309	ug/l #	16
39) Methylcyclohexane	9.08	83	32342	3.443	ug/l #	87
40) Benzene	8.04	78	41802	1.780	ug/l	100
48) Methyl methacrylate	9.22	41	1997	0.373	ug/l #	11
51) 4-Methyl-2-Pentanone	10.02	43	9475	1.733	ug/l #	76
52) Toluene	10.16	92	3639	0.252	ug/l	89
53) t-1,3-Dichloropropene	10.24	75	101	2.244	ug/l #	42
55) 1,1,2-Trichloroethane	10.53	97	27719	5.339	ug/l #	21
56) Ethyl methacrylate	10.43	69	10620	1.524	ug/l #	1
59) 2-Hexanone	10.72	43	36958	10.350	ug/l #	29
65) Chlorobenzene	11.43	112	3328287	213.267	ug/l	100
67) Ethyl Benzene	11.51	91	8466	0.307	ug/l	93
71) Bromoform	12.12	173	118	2.250	ug/l #	28
73) Isopropylbenzene	12.25	105	46382	1.598	ug/l	96
74) N-amyl acetate	12.04	43	154087	18.465	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.48	83	14900	2.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	184131	32.219	ug/l #	100
78) n-propylbenzene	12.59	91	103390	3.285	ug/l	97
79) 2-Chlorotoluene	12.68	91	6627	0.338	ug/l	92
80) 1,3,5-Trimethylbenzene	12.89	105	53169	2.235	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.40	75	184131	107.195	ug/l #	14
82) 4-Chlorotoluene	12.68	91	6777	0.356	ug/l	94
83) tert-Butylbenzene	12.99	119	89927	4.343	ug/l	94
84) 1,2,4-Trimethylbenzene	12.89	105	53169	2.278	ug/l	76
85) sec-Butylbenzene	13.17	105	141056	5.465	ug/l #	59
86) p-Isopropyltoluene	13.44	119	143984	6.236	ug/l	92

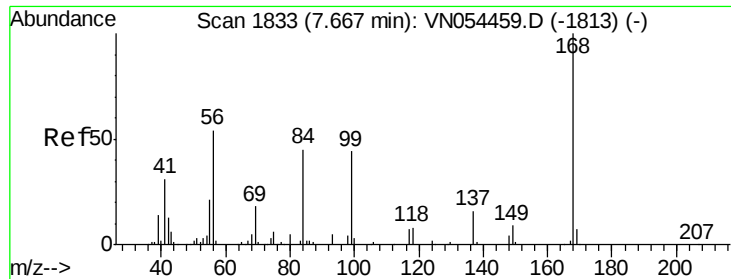
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.28	146	234253	19.639	ug/l #	85
88) 1,4-Dichlorobenzene	13.36	146	279574	24.090	ug/l #	86
89) n-Butylbenzene	13.61	91	162225	8.985	ug/l	88
90) Hexachloroethane	13.99	117	242598	67.685	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	23221	2.010	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	14.29	75	3061	3.150	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	4835	0.840	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1180	Below Cal		94
95) Naphthalene	15.13	128	10292	0.801	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

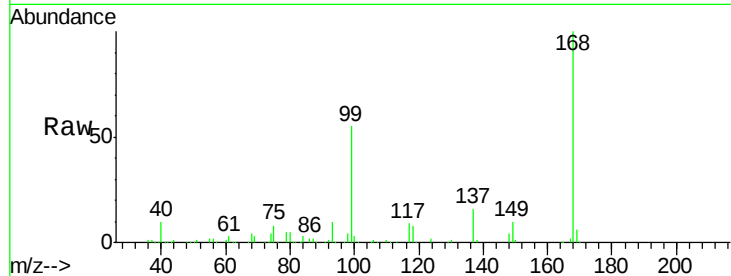
WP022SB442-190319-FD-(12-14)ME

Tot Ion:168 Resp: 568941

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

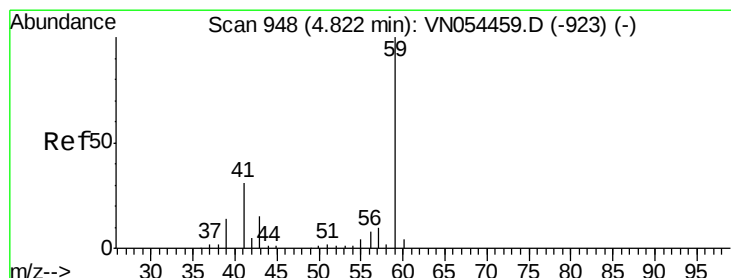
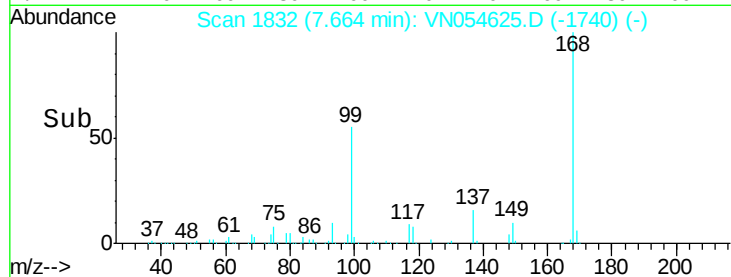
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 7.222 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.09 min

Lab File: VN054625.D

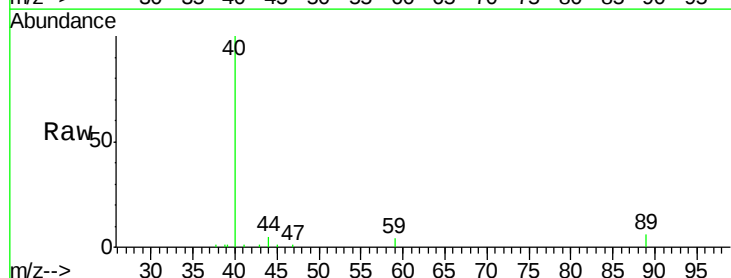
Acq: 24 Mar 2019 1:35

Tgt Ion: 59 Resp: 3094

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

1000

800

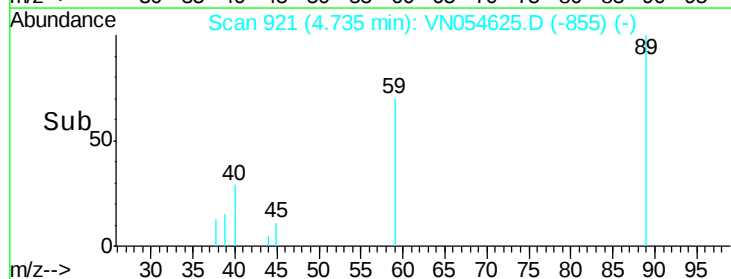
600

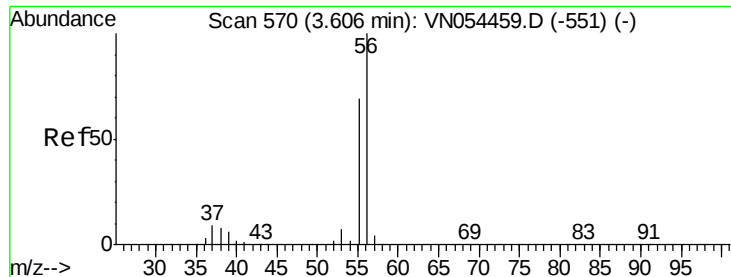
400

200

0

Time--> 4.70 4.75 4.80





#13

Acrolein

Concen: 0.240 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

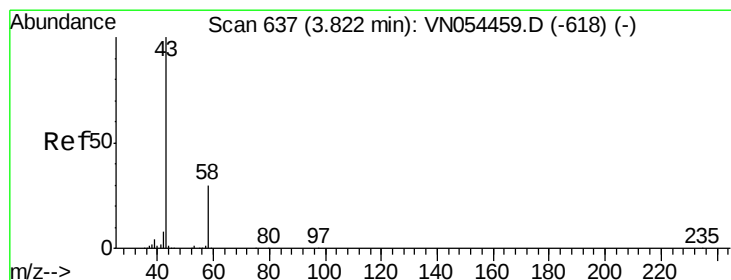
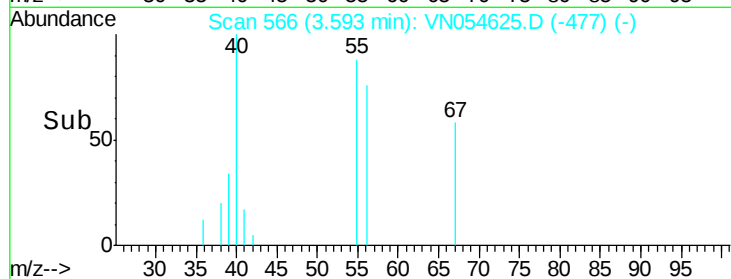
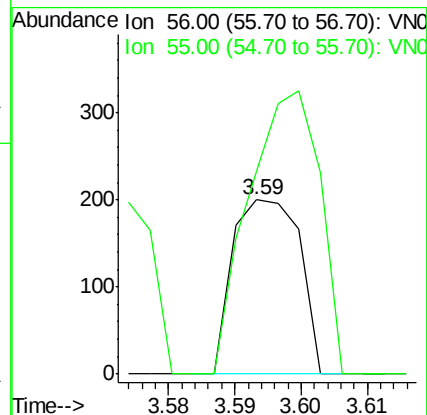
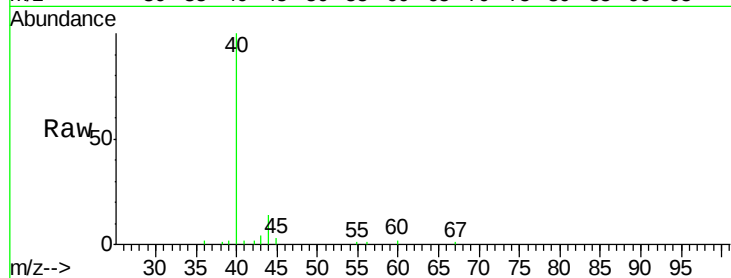
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 170.4 56.7 85.1#



#16

Acetone

Concen: 0.364 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054625.D

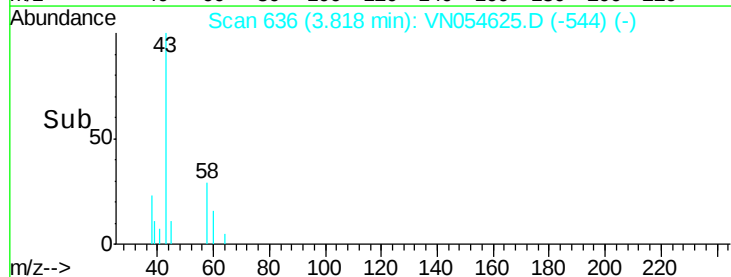
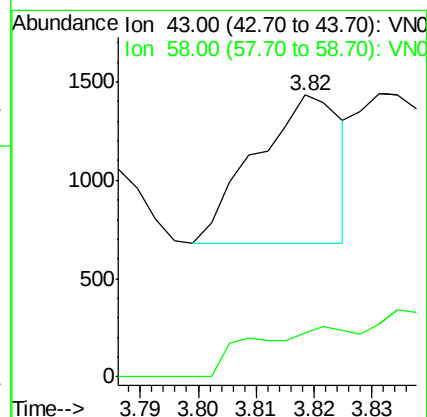
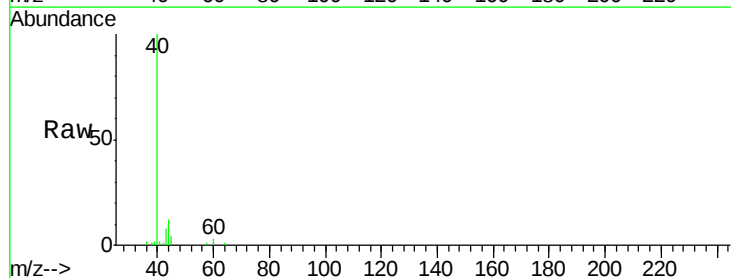
Acq: 24 Mar 2019 1:35

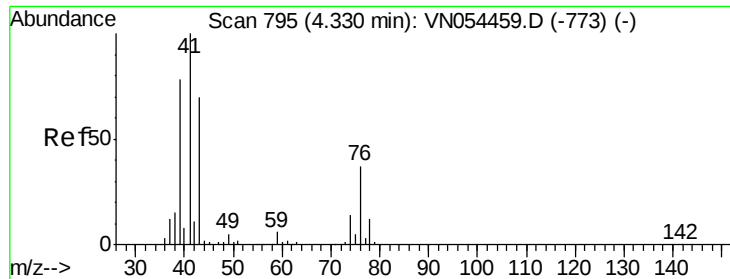
Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

58 29.7 29.9 44.9#

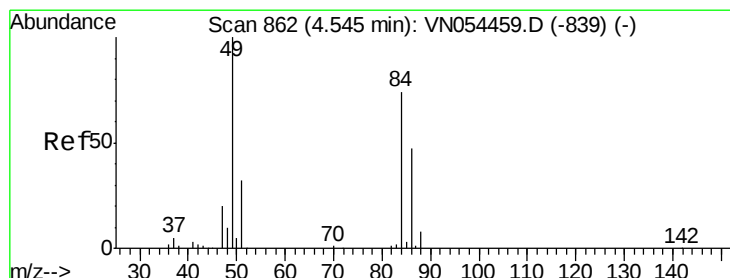
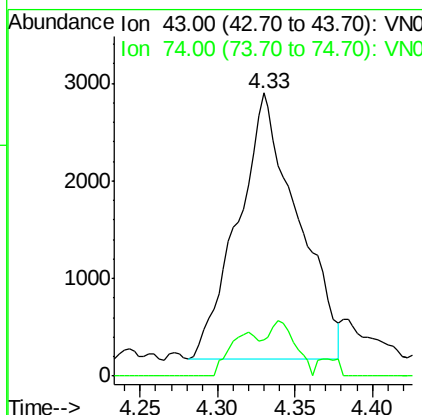
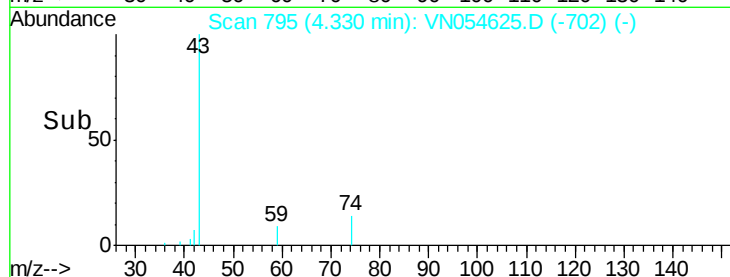
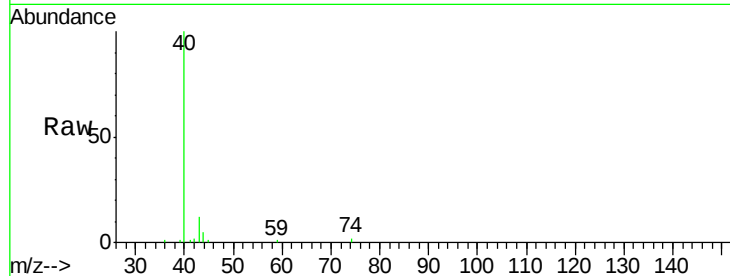




#18
Methvl Acetate
Concen: 1.544 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

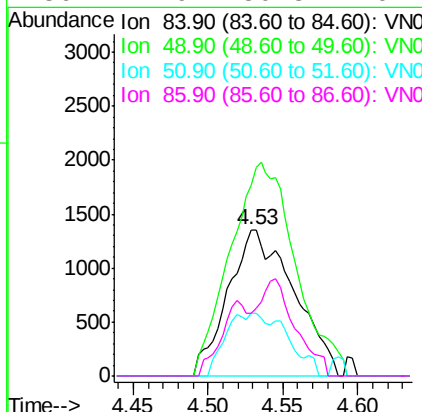
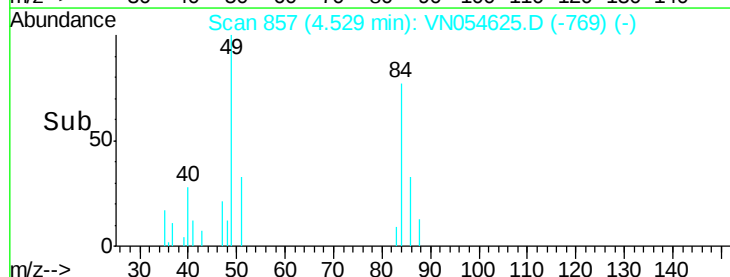
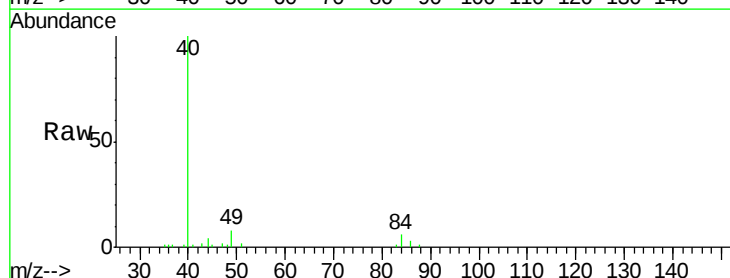
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

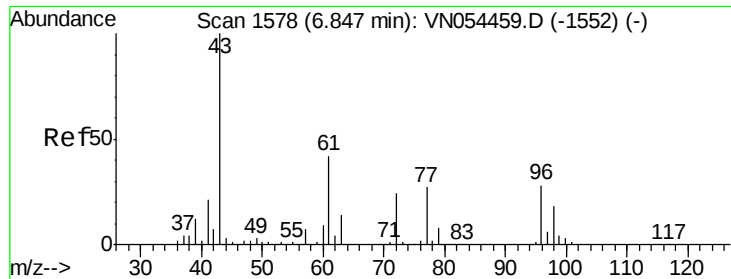
Tot Ion: 43 Resp: 7323
Ion Ratio Lower Upper
43 100
74 9.2 20.8 31.2#



#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.02 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 84 Resp: 4144
Ion Ratio Lower Upper
84 100
49 130.2 89.7 134.5
51 42.4 28.2 42.4#
86 42.9 50.8 76.2#





#25

2-Butanone

Concen: 0.274 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

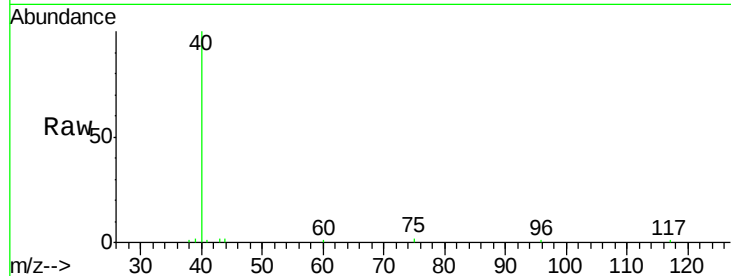
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

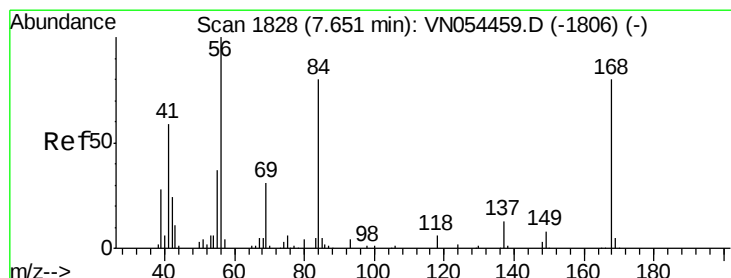
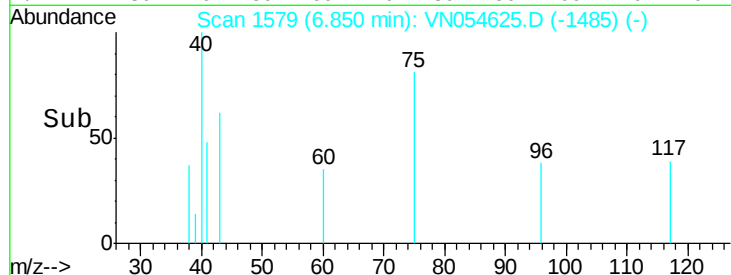
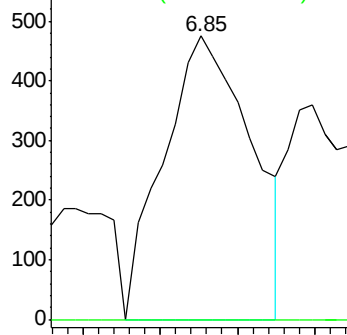
43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

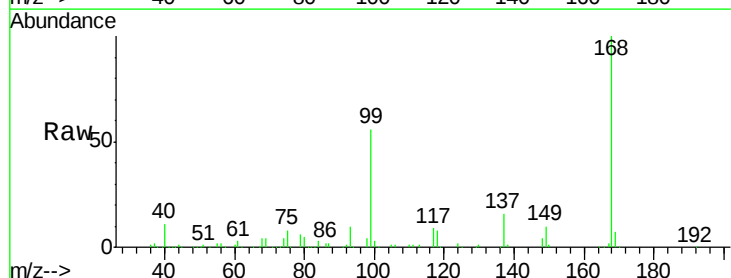
Tgt Ion: 56 Resp: 12000

Ion Ratio Lower Upper

56 100

69 175.1 27.8 41.6#

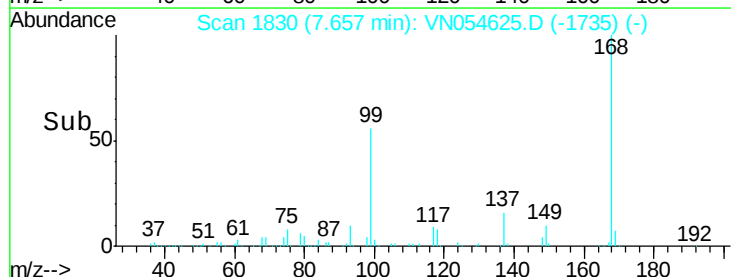
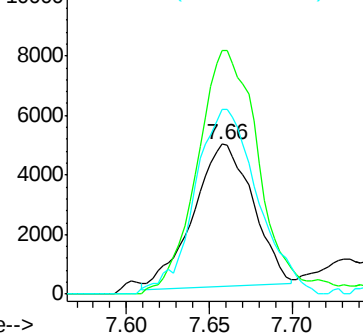
84 128.7 74.6 111.8#

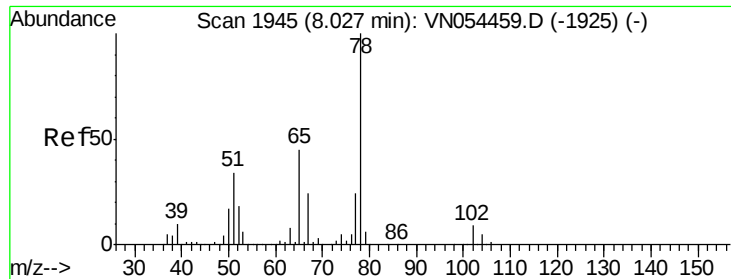


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.325 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

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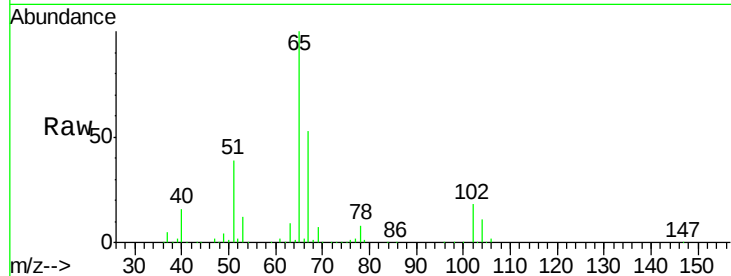
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 65 Resp: 349058

Ion Ratio Lower Upper

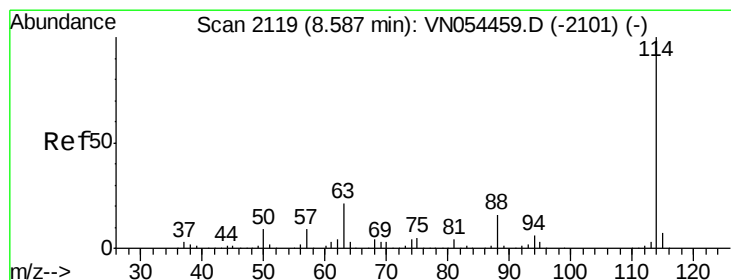
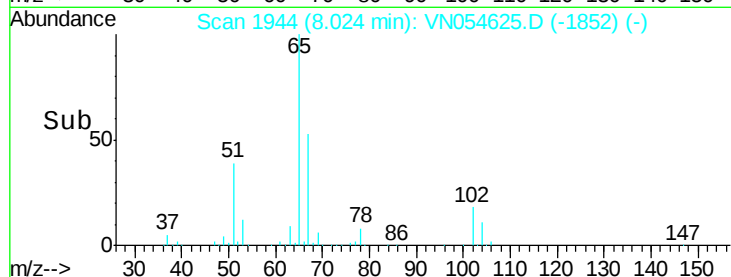
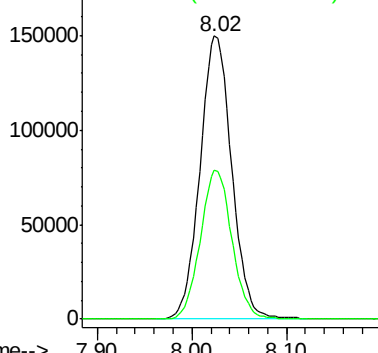
65 100

67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

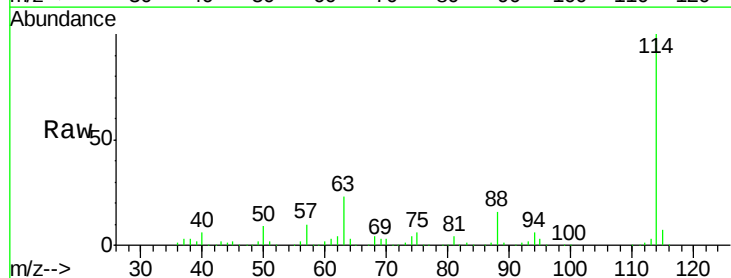
Tgt Ion: 114 Resp: 878275

Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.2

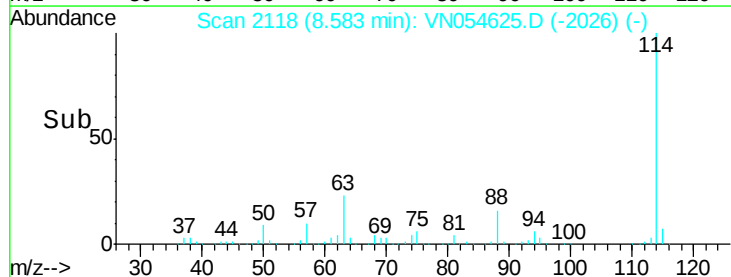
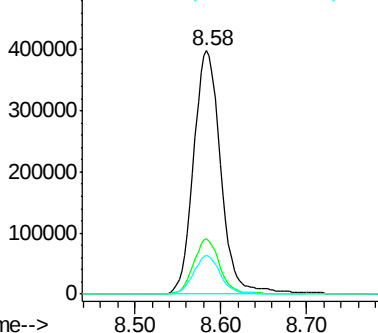
88 15.8 0.0 30.2

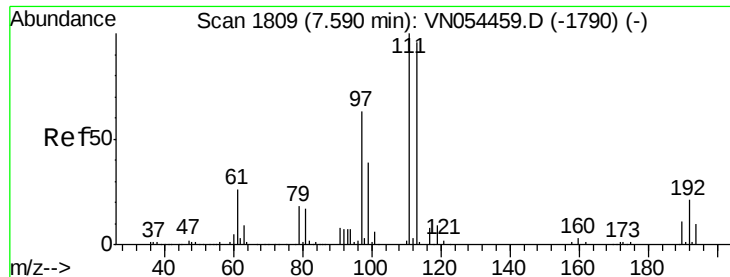


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

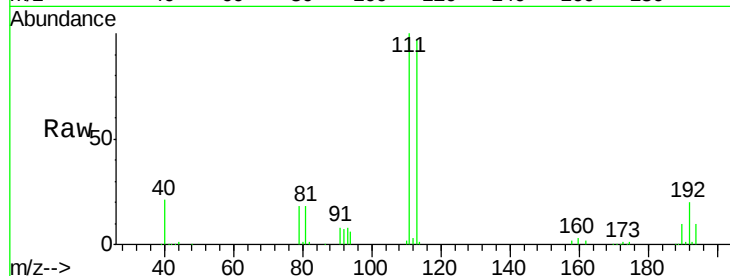




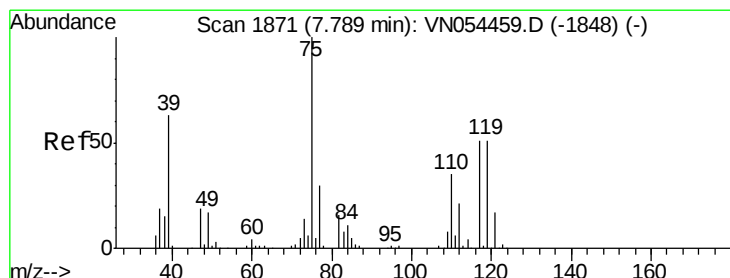
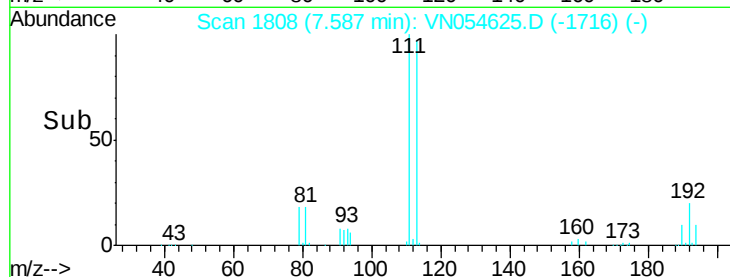
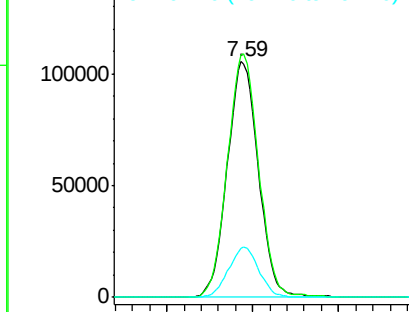
#35
 Dibromofluoromethane
 Concen: 46.946 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.7	19.2	28.8

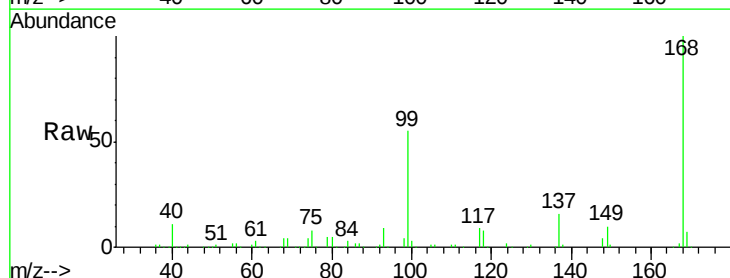


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

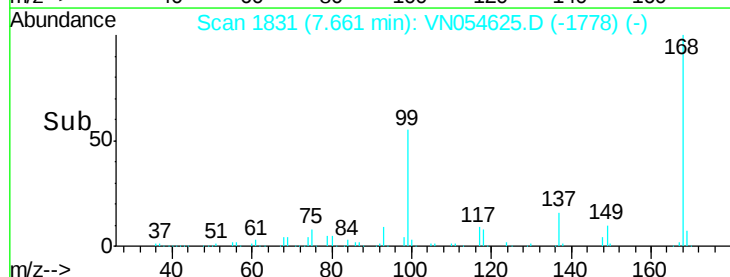
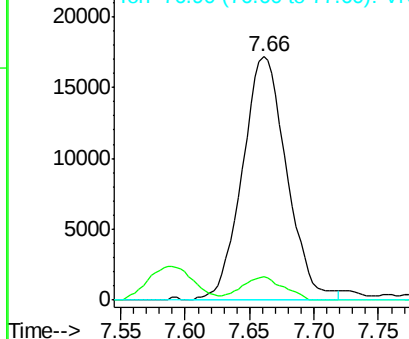


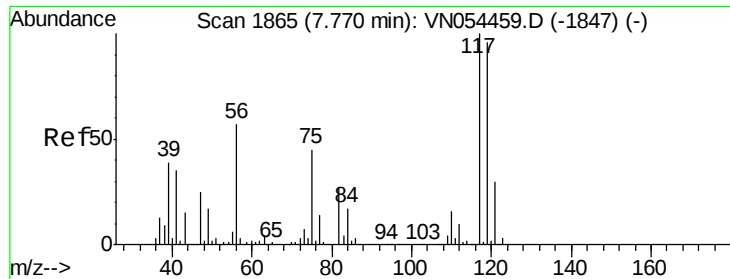
#36
 1,1-Dichloropropene
 Concen: 5.012 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	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: 6.309 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME

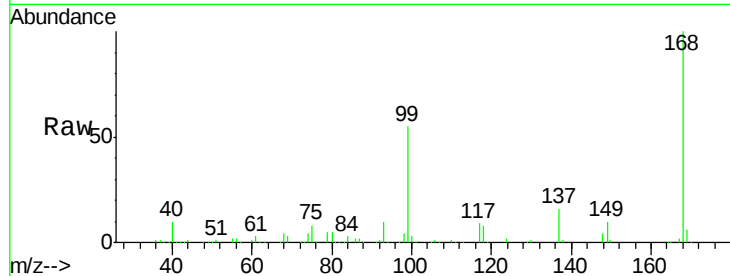
Tot Ion:117 Resp: 50346

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

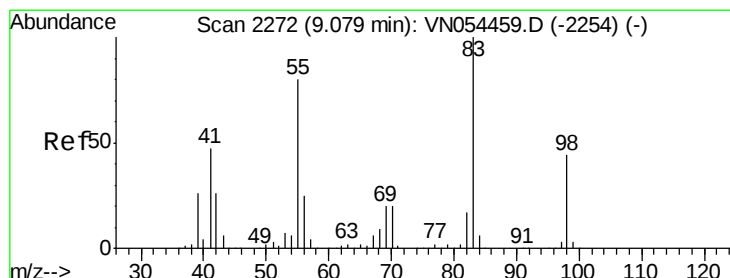
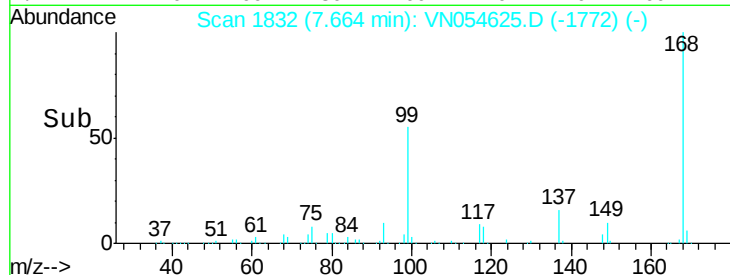
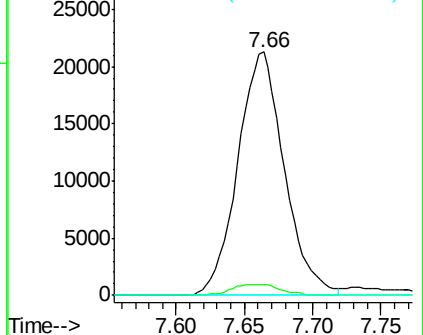
121 0.0 24.6 36.8#



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: 3.443 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

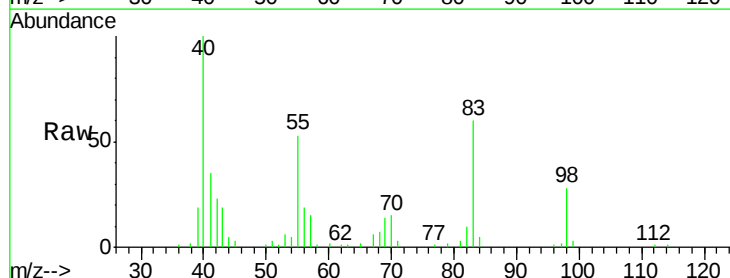
Tgt Ion: 83 Resp: 32342

Ion Ratio Lower Upper

83 100

55 87.5 56.6 84.8#

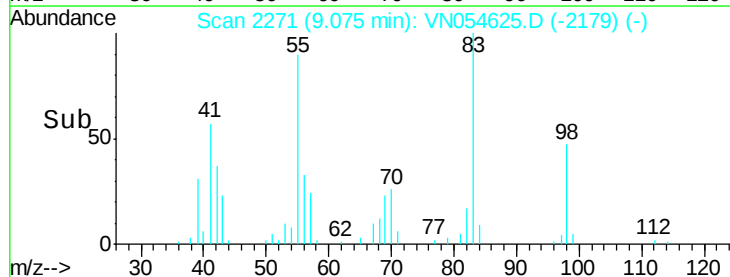
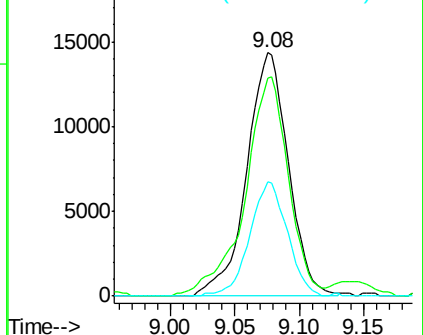
98 46.9 38.4 57.6

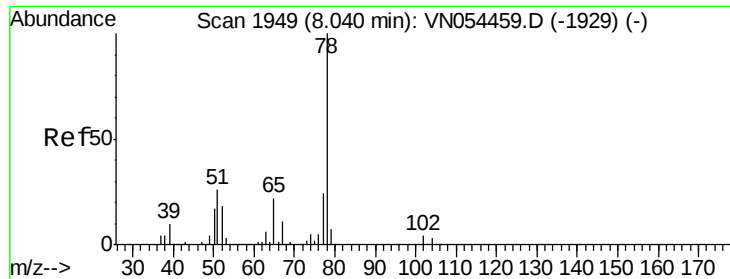


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 1.780 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

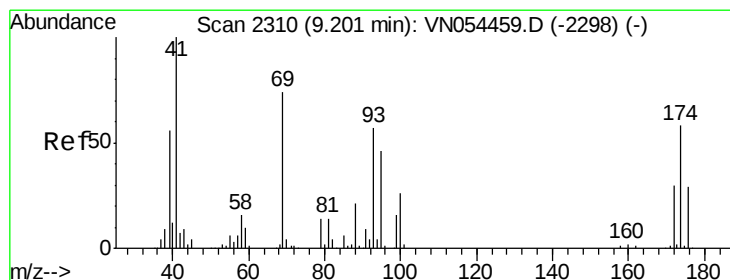
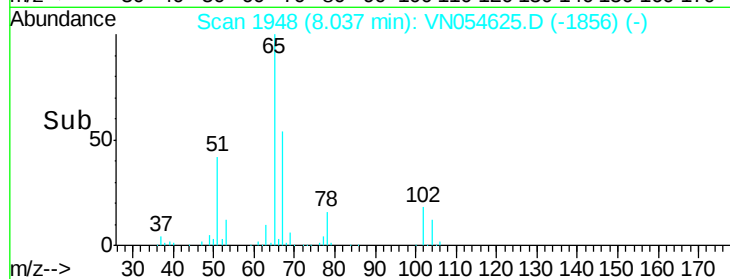
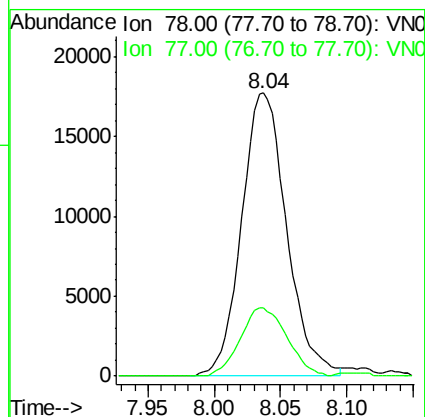
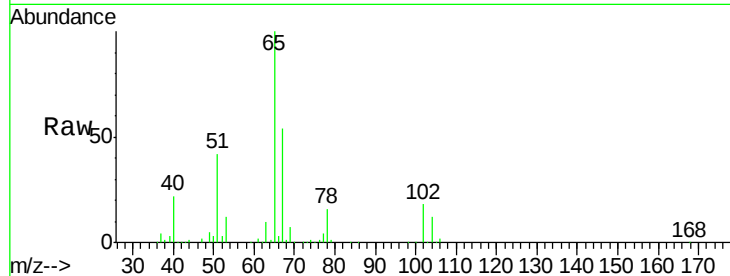
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 78 Resp: 41802

Ion Ratio Lower Upper

78 100

77 24.0 19.1 28.7



#48

Methyl methacrylate

Concen: 0.373 ug/l

RT: 9.22 min Scan# 2315

Delta R.T. 0.02 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

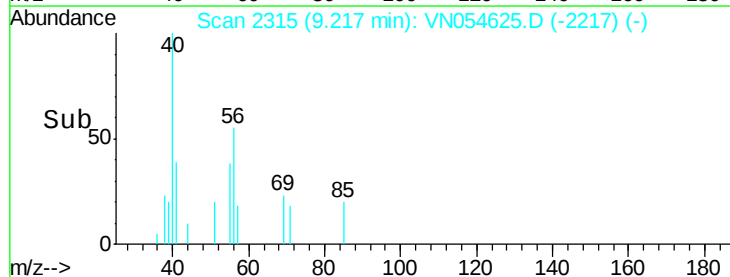
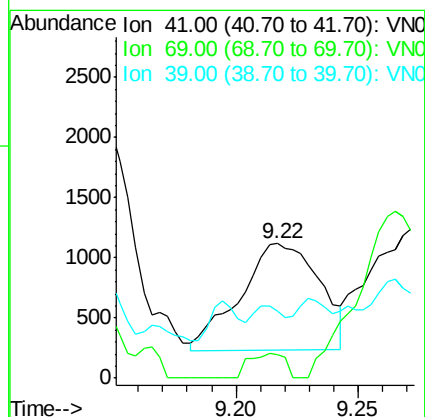
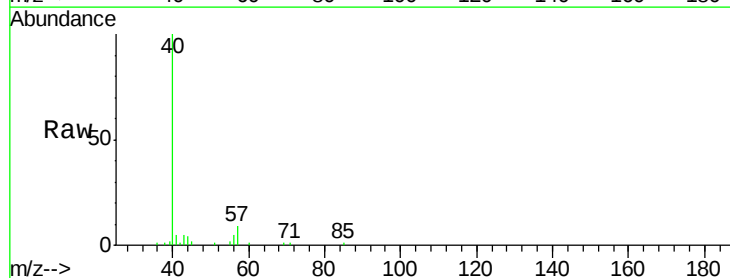
Tgt Ion: 41 Resp: 1997

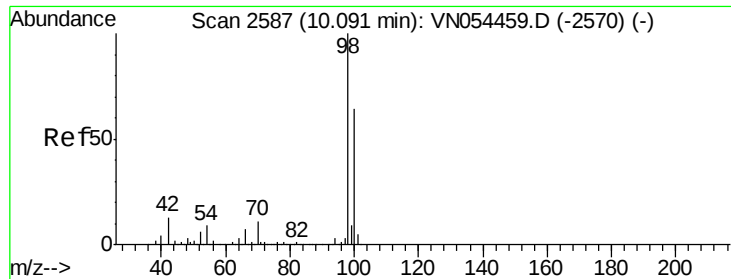
Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

39 0.0 47.5 71.3#

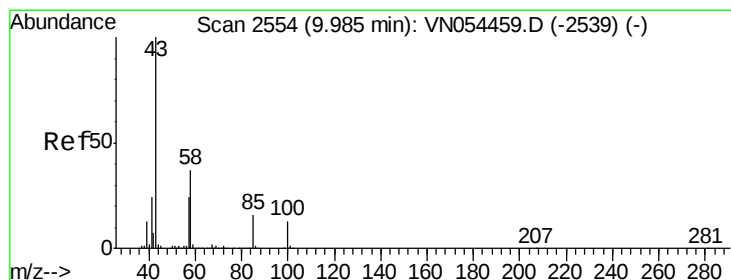
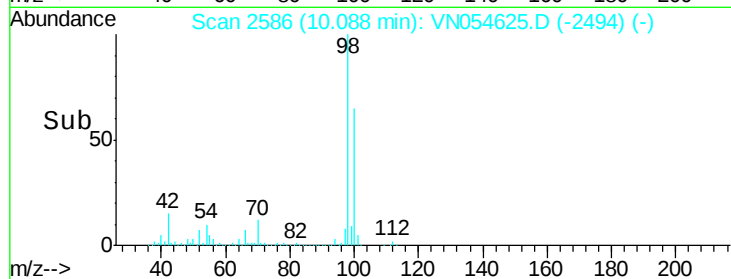
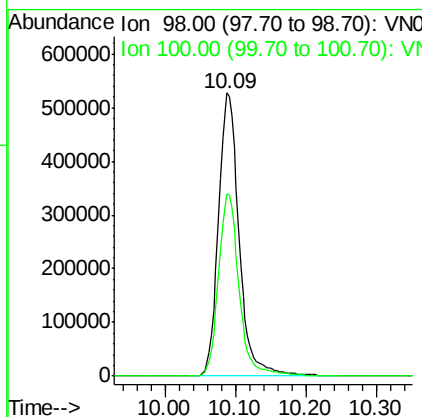
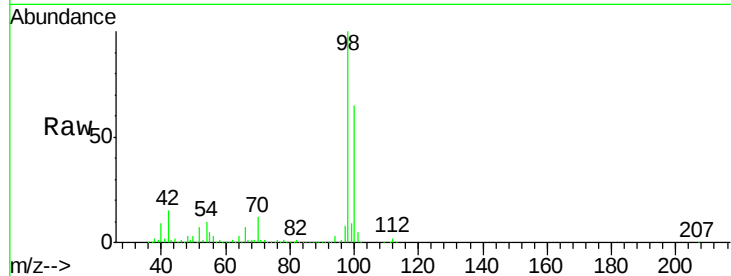




#50
Toluene-d8
Concen: 50.806 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

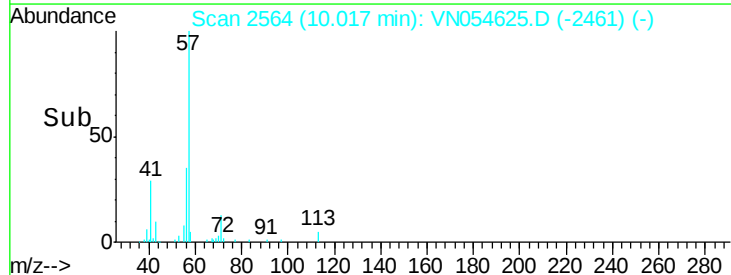
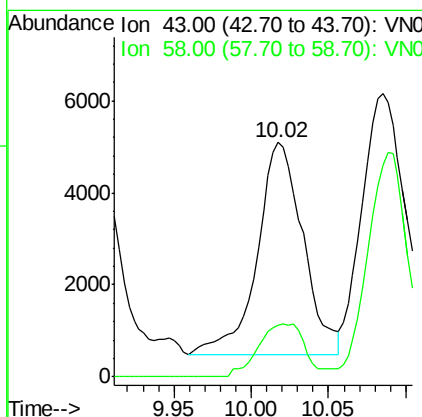
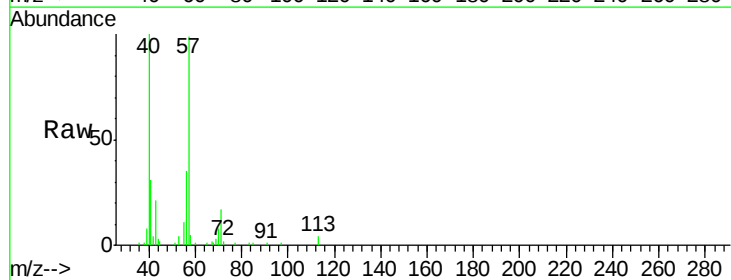
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

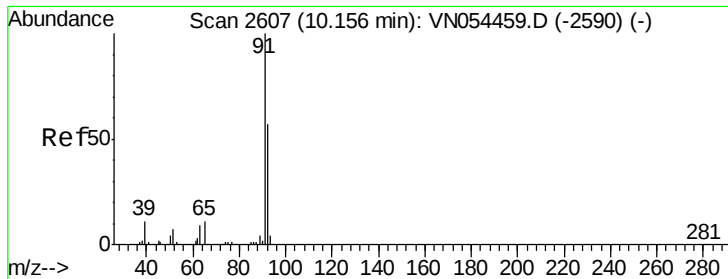
Tot Ion: 98 Resp: 1080729
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.733 ug/l
RT: 10.02 min Scan# 2564
Delta R.T. 0.03 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 43 Resp: 9475
Ion Ratio Lower Upper
43 100
58 25.2 31.8 47.6#





#52

Toluene

Concen: 0.252 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

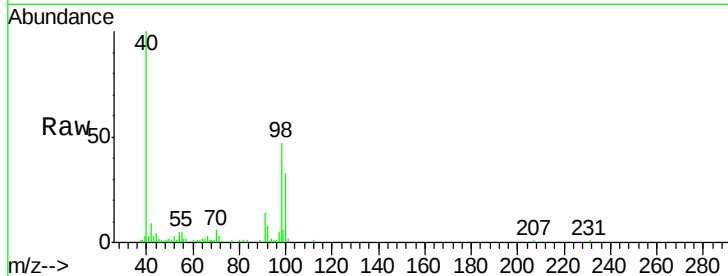
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 92 Resp: 3639

Ion Ratio Lower Upper

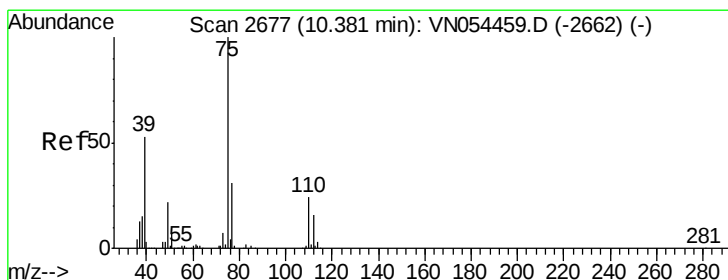
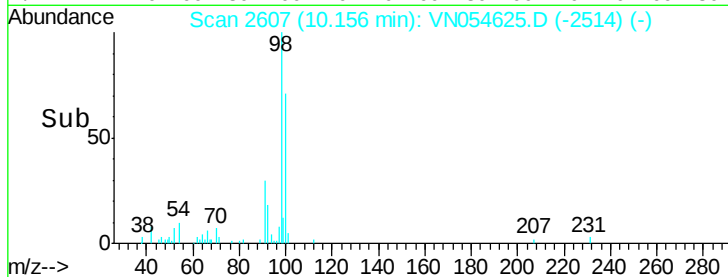
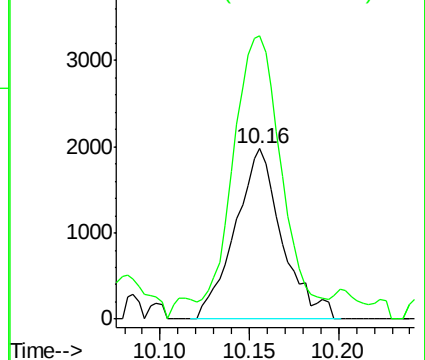
92 100

91 160.2 140.7 211.1



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: 2.244 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN054625.D

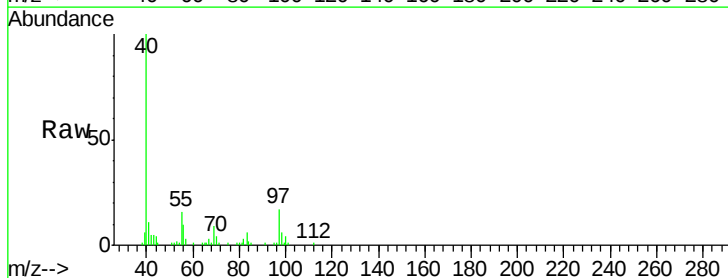
Acq: 24 Mar 2019 1:35

Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

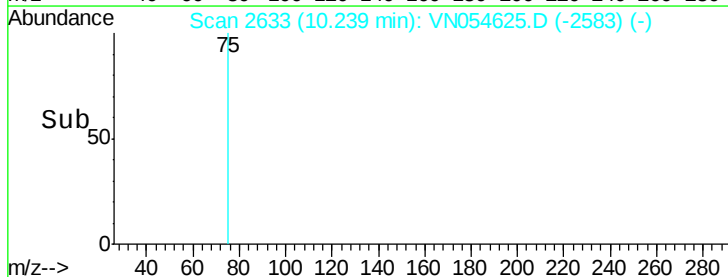
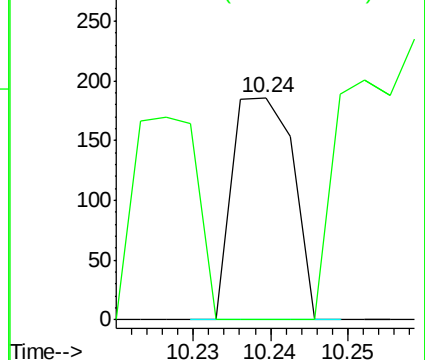
75 100

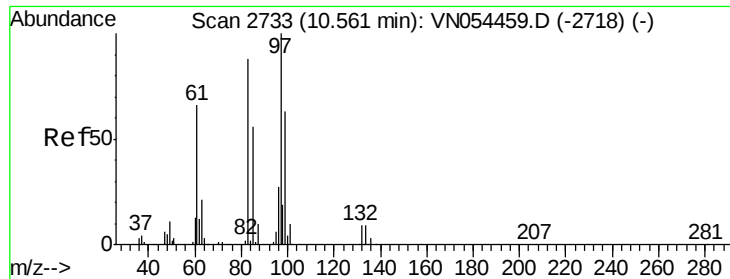
77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

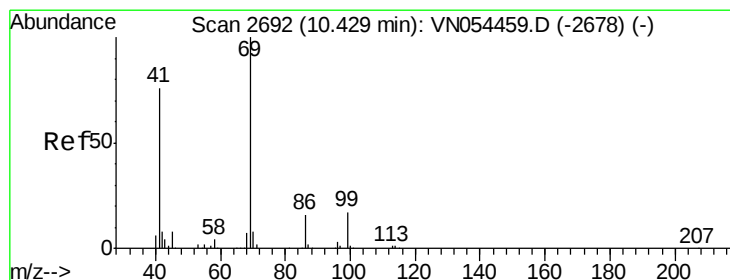
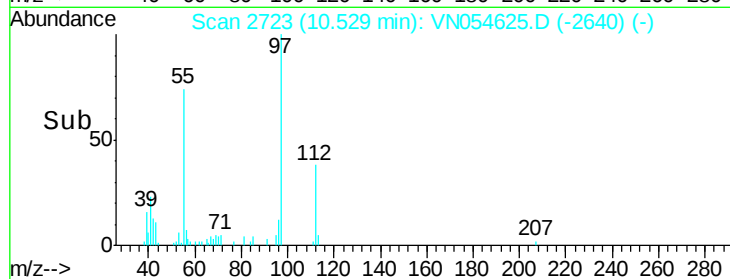
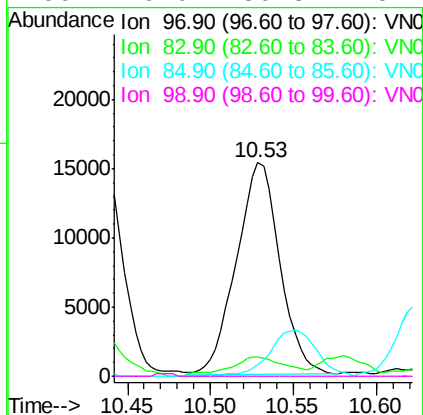
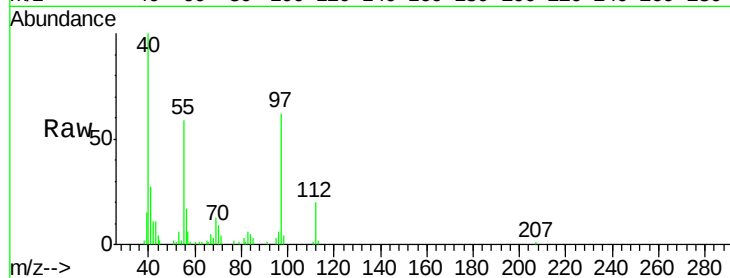




#55
 1,1,2-Trichloroethane
 Concen: 5.339 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

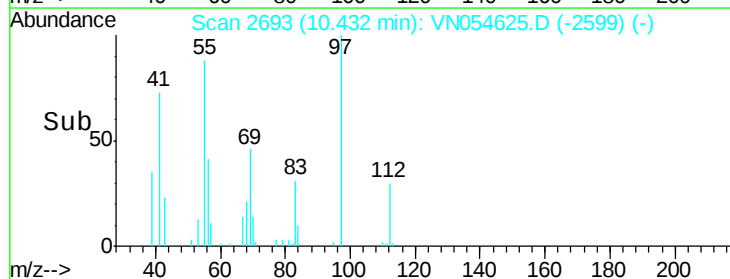
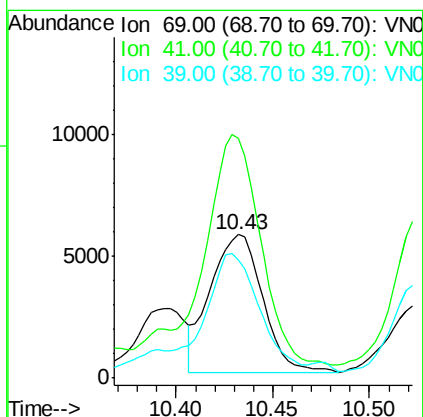
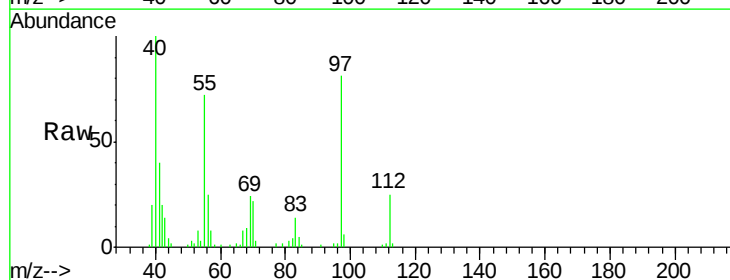
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)ME

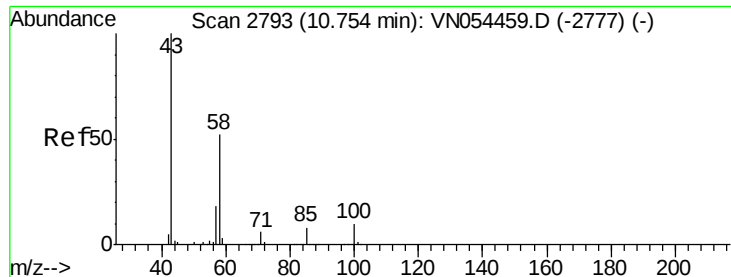
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	7.8	66.6	100.0#	
85	5.7	44.4	66.6#	
99	0.0	50.8	76.2#	



#56
 Ethyl methacrylate
 Concen: 1.524 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	186.4	49.4	74.2#	
39	83.6	28.3	42.5#	

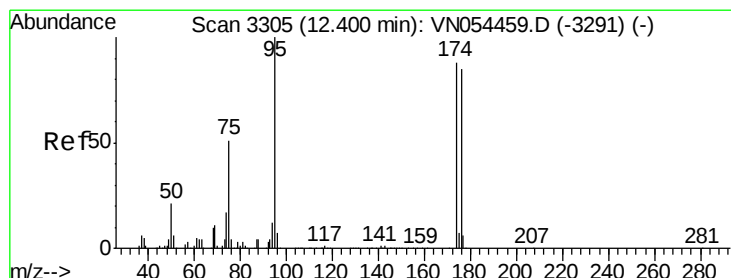
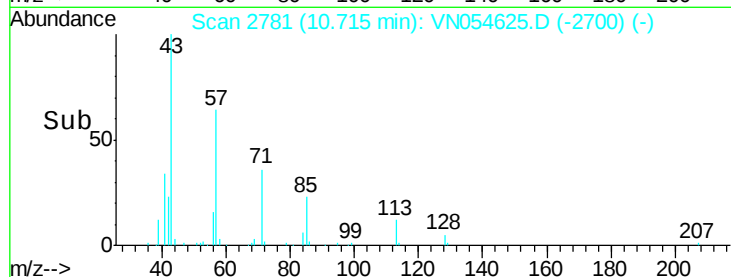
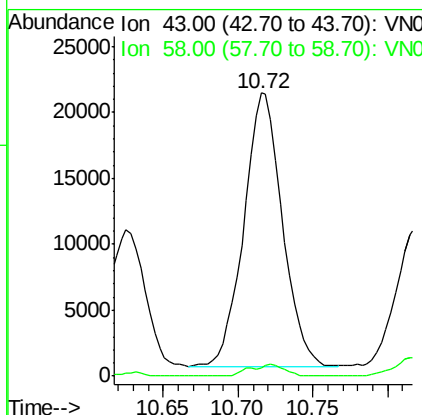
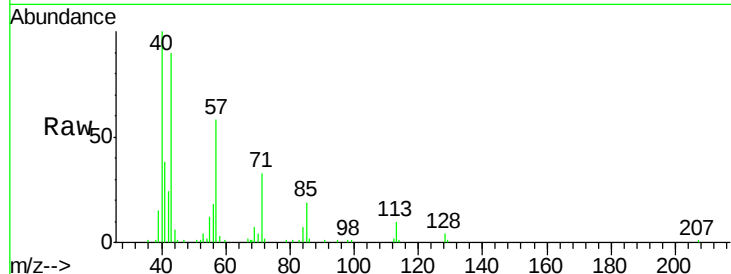




#59
2-Hexanone
Concen: 10.350 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.04 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

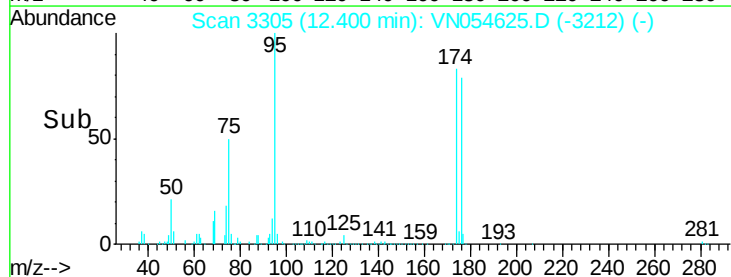
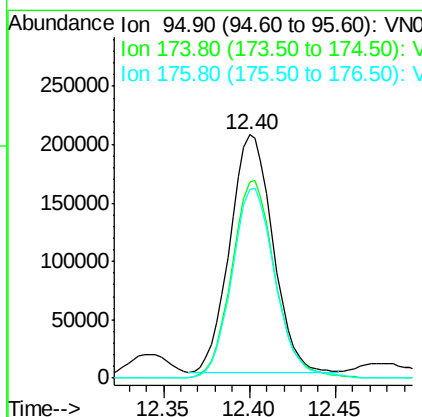
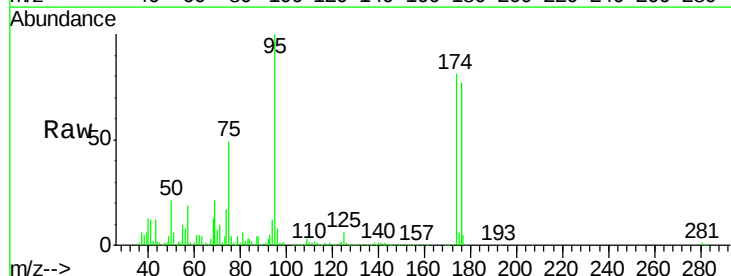
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

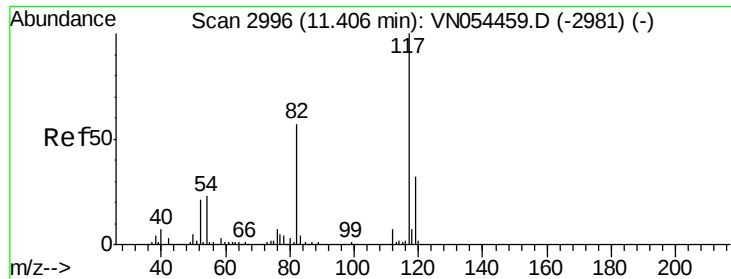
Tot Ion: 43 Resp: 36958
Ion Ratio Lower Upper
43 100
58 3.8 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 49.108 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 95 Resp: 355460
Ion Ratio Lower Upper
95 100
174 83.7 0.0 191.0
176 80.6 0.0 187.4

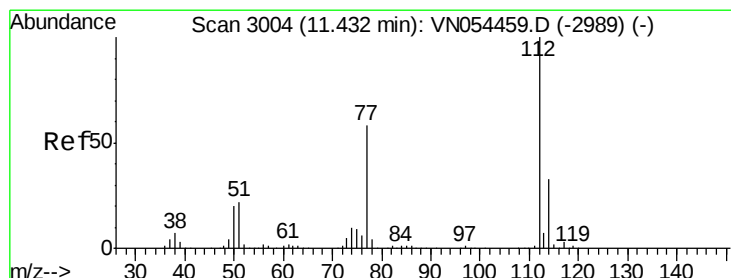
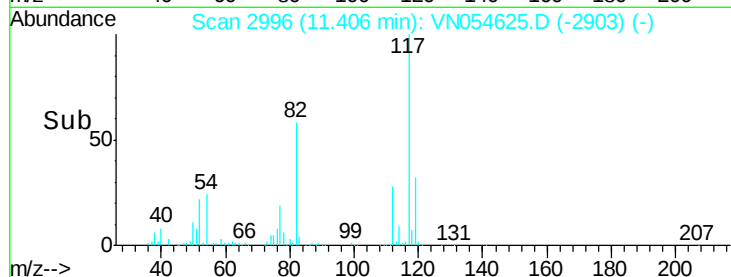
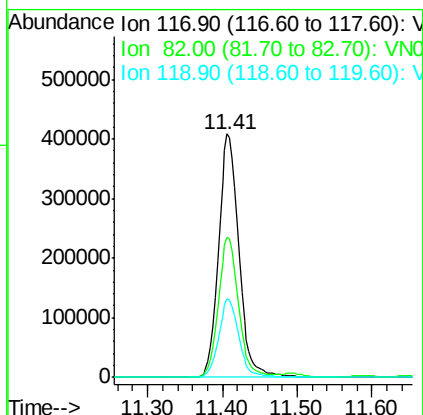
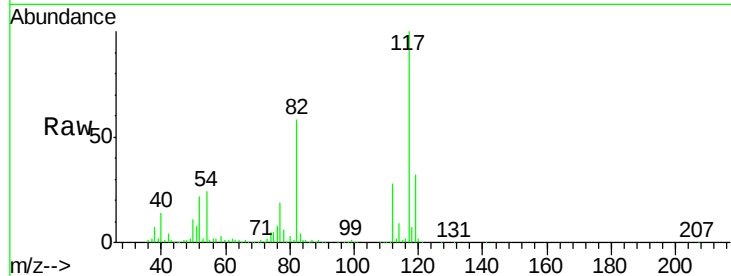




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

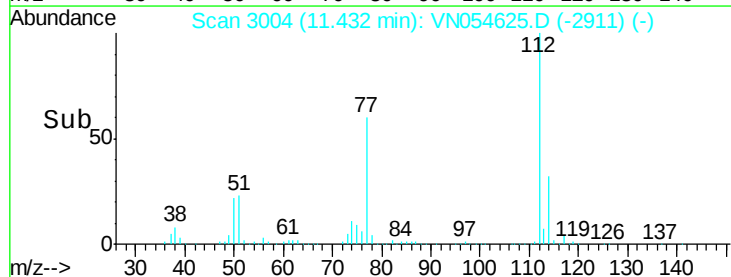
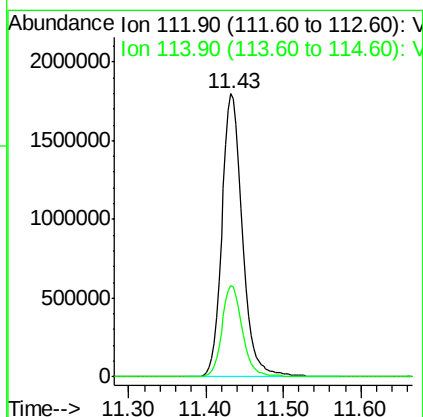
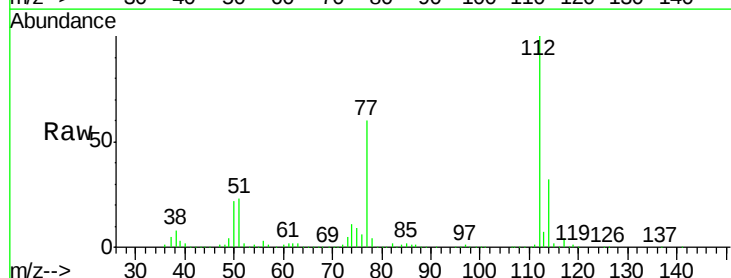
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

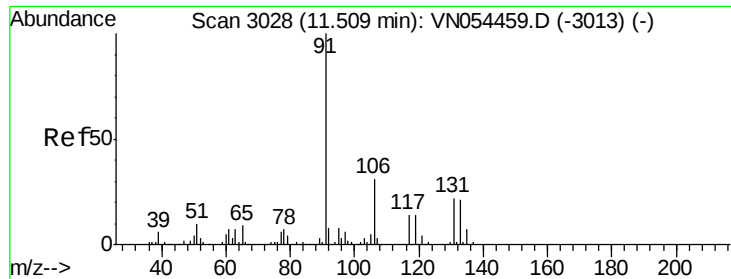
Tot Ion:117 Resp: 767310
Ion Ratio Lower Upper
117 100
82 57.4 40.0 60.0
119 32.2 25.8 38.6



#65
Chlorobenzene
Concen: 213.267 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion:112 Resp: 3328287
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

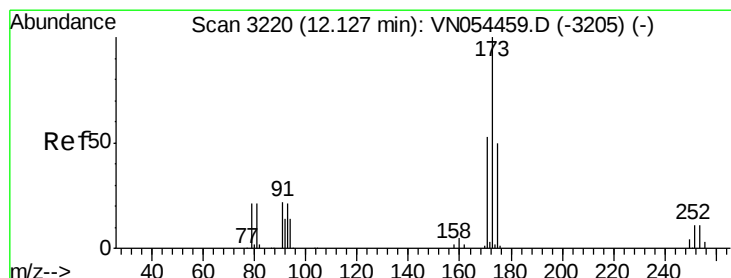
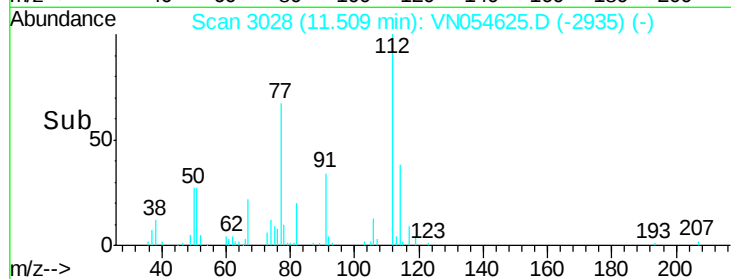
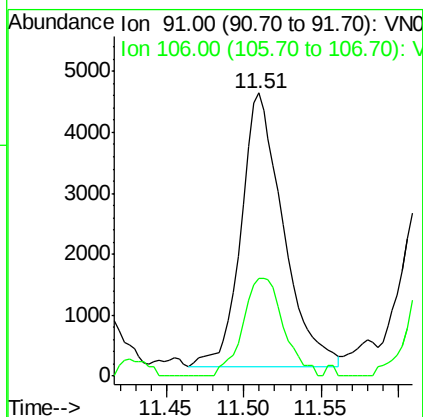
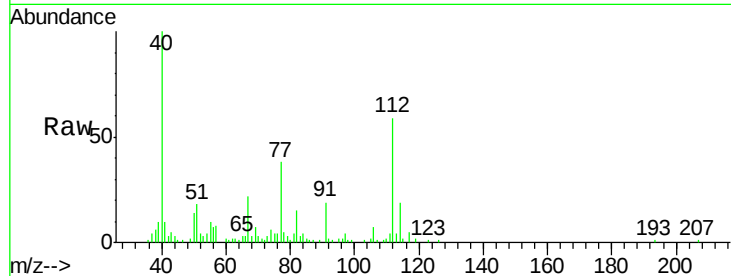




#67
Ethyl Benzene
Concen: 0.307 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

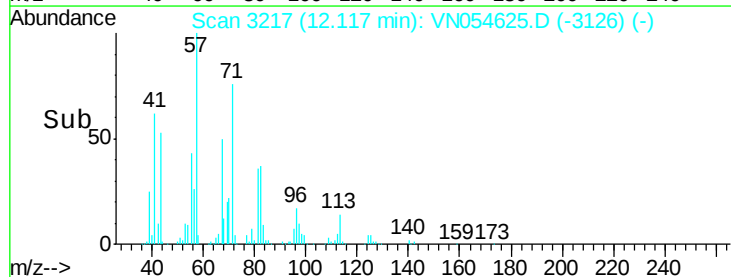
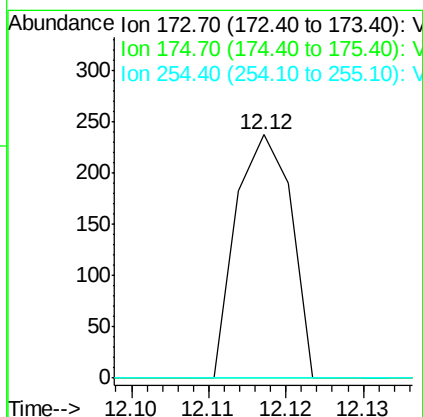
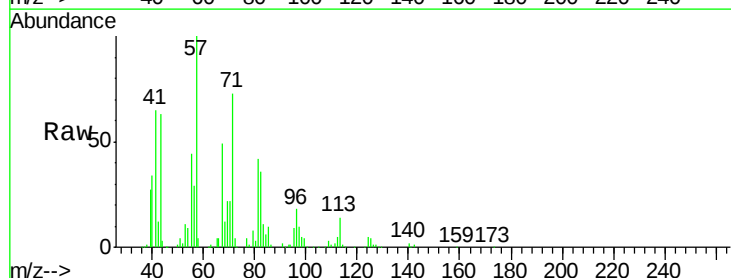
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

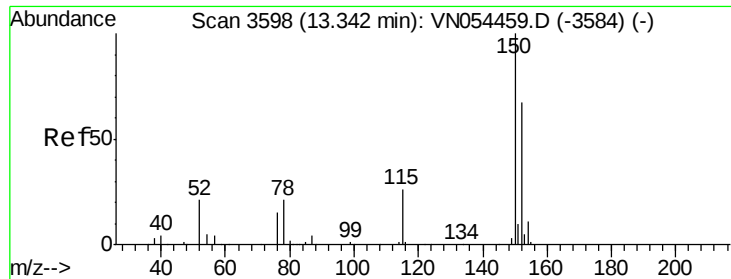
Tot Ion: 91 Resp: 8466
Ion Ratio Lower Upper
91 100
106 35.7 25.5 38.3



#71
Bromoform
Concen: 2.250 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. -0.01 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 173 Resp: 118
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME

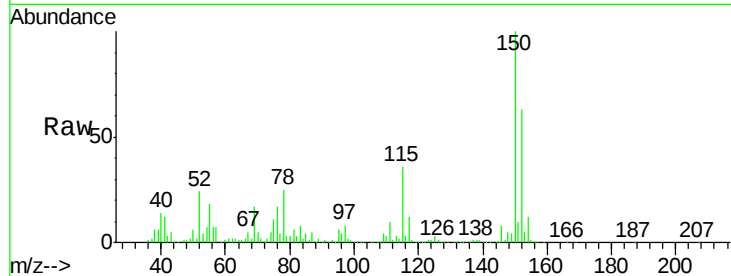
Tot Ion:152 Resp: 360152

Ion Ratio Lower Upper

152 100

115 55.0 27.2 81.6

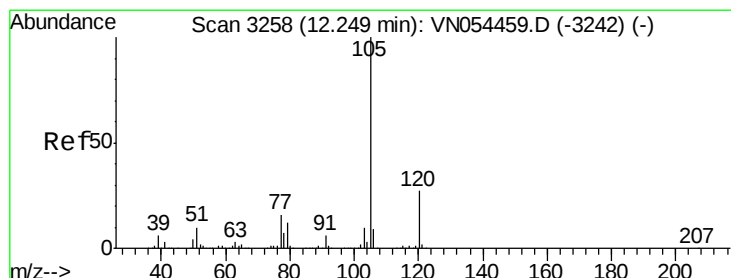
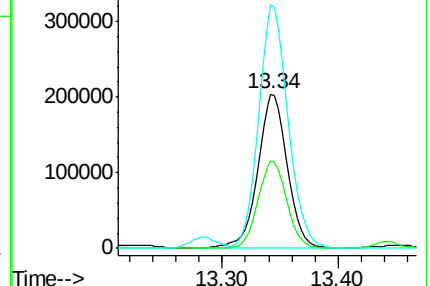
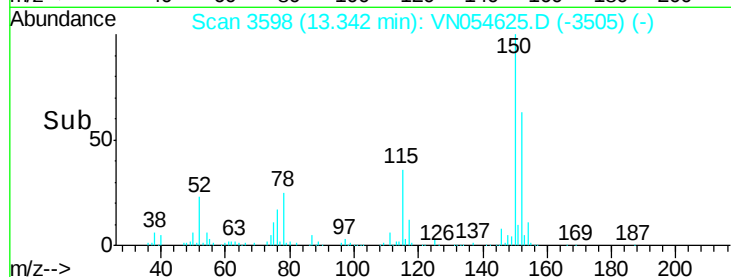
150 157.9 0.0 349.2



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: 1.598 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054625.D

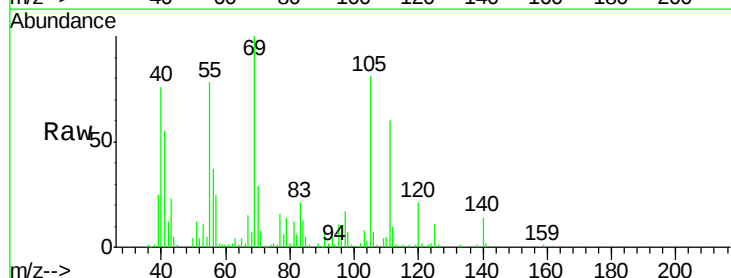
Acq: 24 Mar 2019 1:35

Tgt Ion:105 Resp: 46382

Ion Ratio Lower Upper

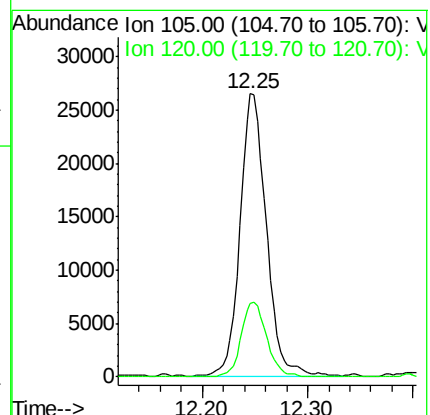
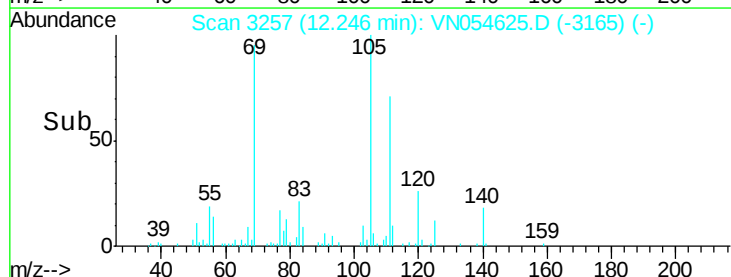
105 100

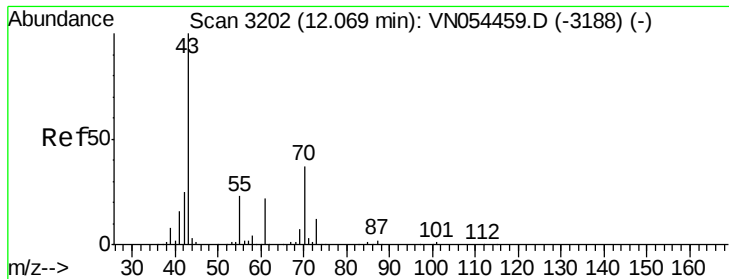
120 25.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 18.465 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME

Tot Ion: 43 Resp: 154087

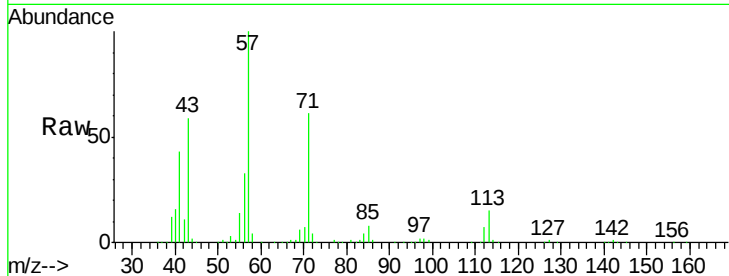
Ion Ratio Lower Upper

43 100

70 9.9 35.4 53.0#

55 8.0 19.8 29.6#

61 0.0 19.8 29.6#



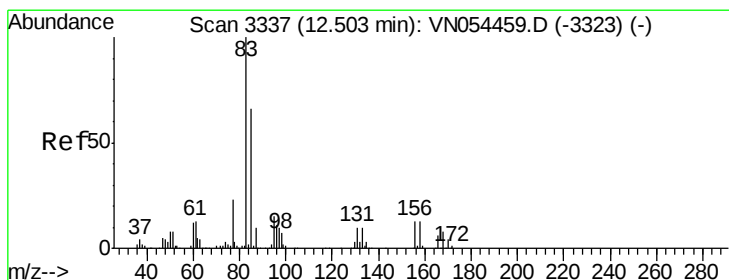
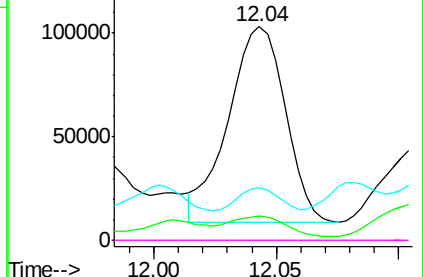
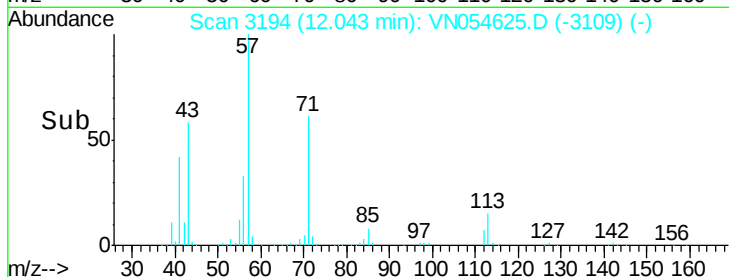
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 2.249 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

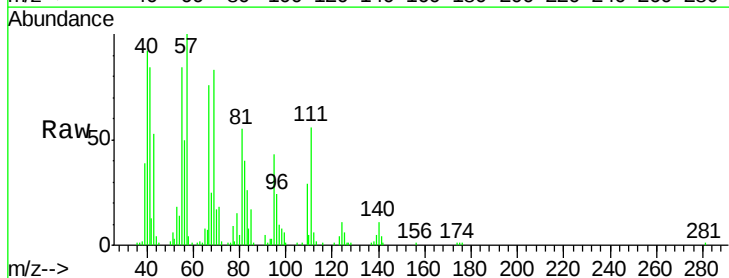
Tgt Ion: 83 Resp: 14900

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 152.2 32.2 96.6#

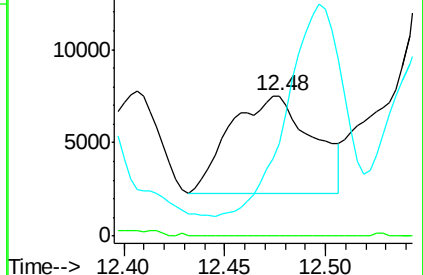
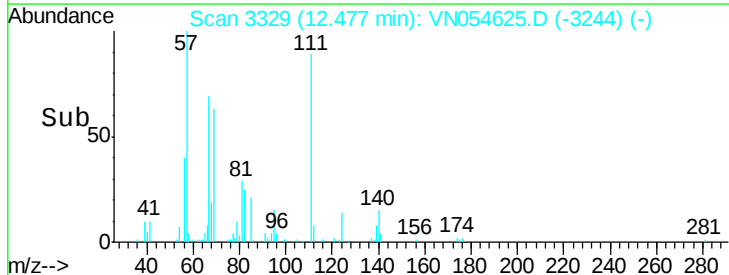


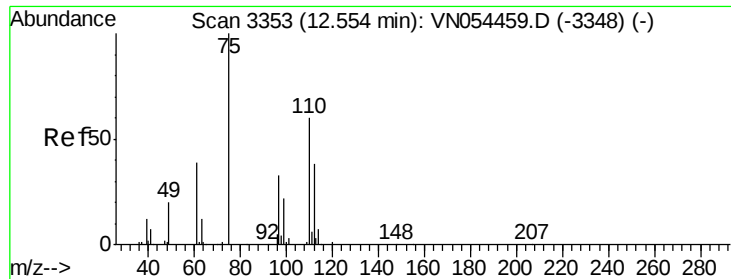
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->





#76

1,2,3-Trichloropropane

Concen: 32.219 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

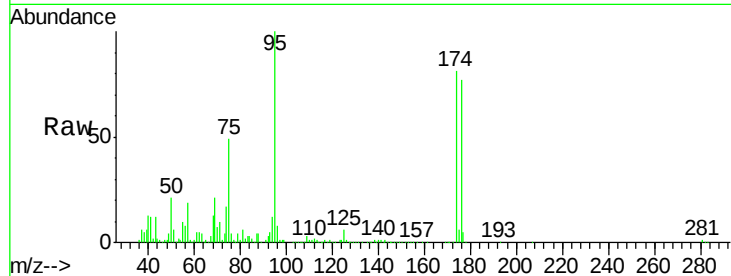
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 75 Resp: 184131

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

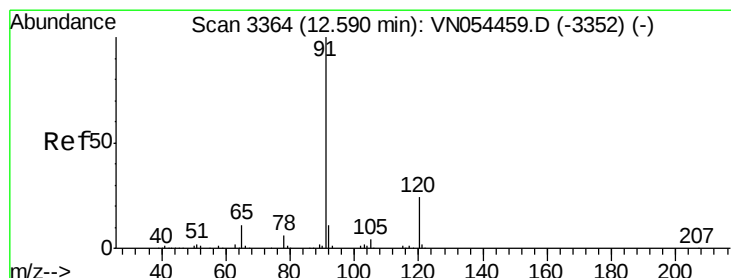
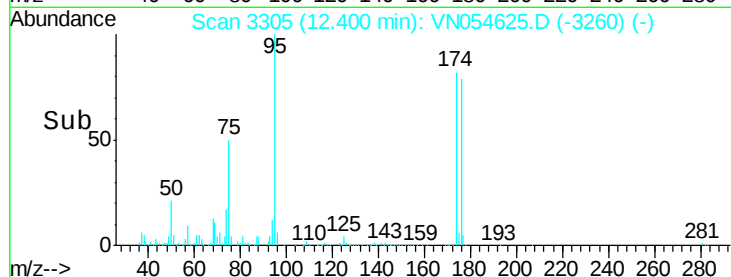
40000

20000

0

12.30 12.40 12.50

Time-->



#78

n-propylbenzene

Concen: 3.285 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054625.D

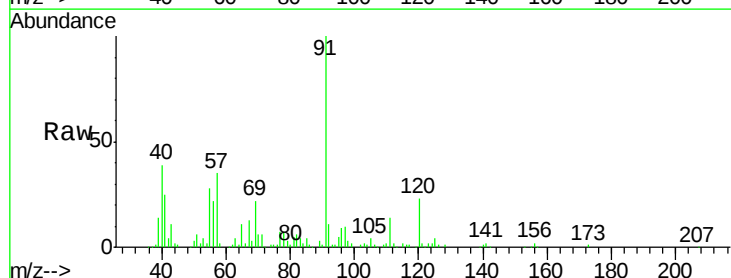
Acq: 24 Mar 2019 1:35

Tgt Ion: 91 Resp: 103390

Ion Ratio Lower Upper

91 100

120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

60000

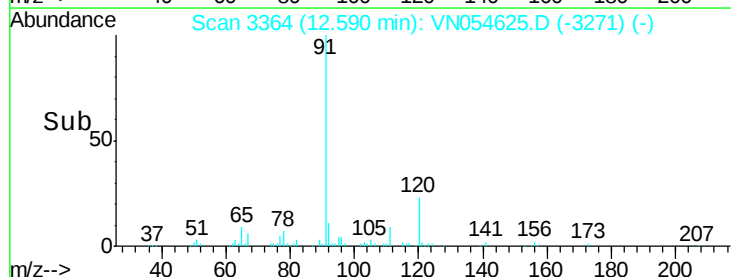
40000

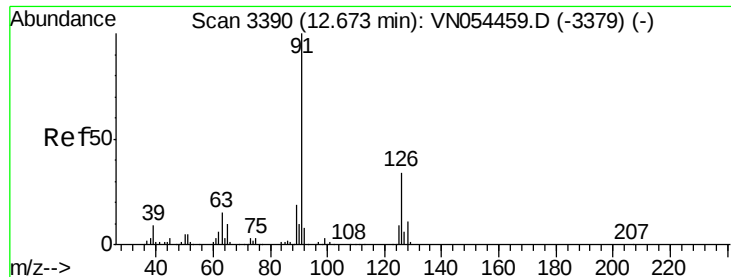
20000

0

12.50 12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 0.338 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

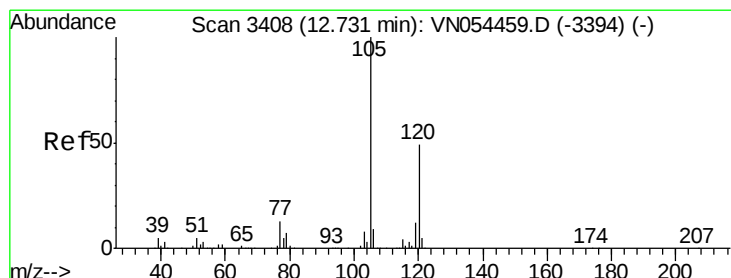
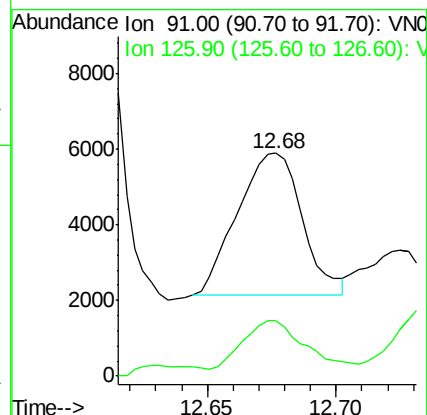
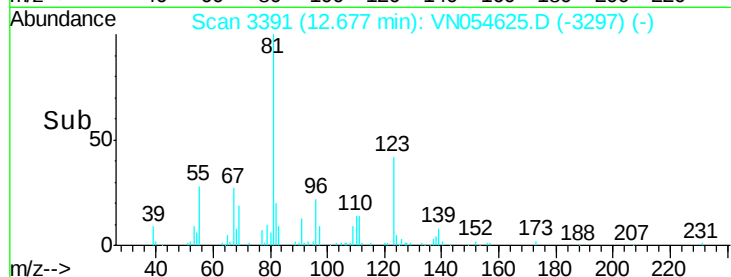
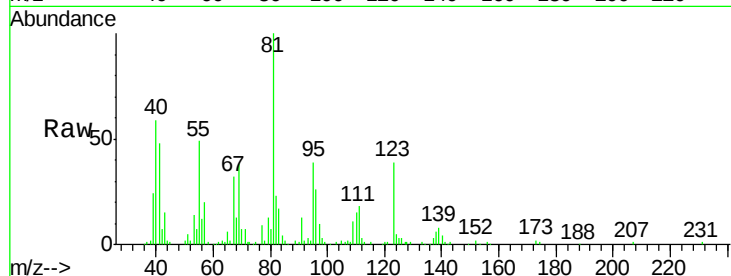
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 91 Resp: 6627

Ion Ratio Lower Upper

91 100

126 32.6 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 2.235 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.16 min

Lab File: VN054625.D

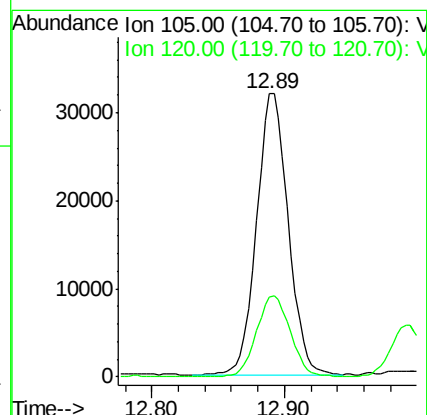
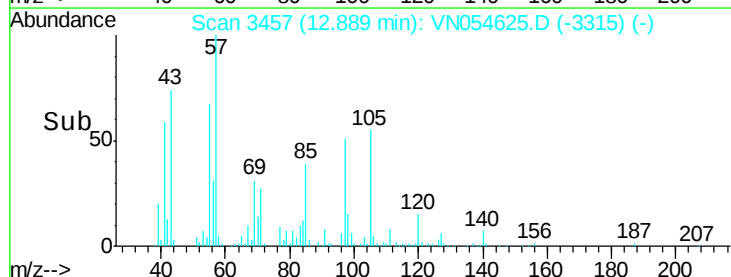
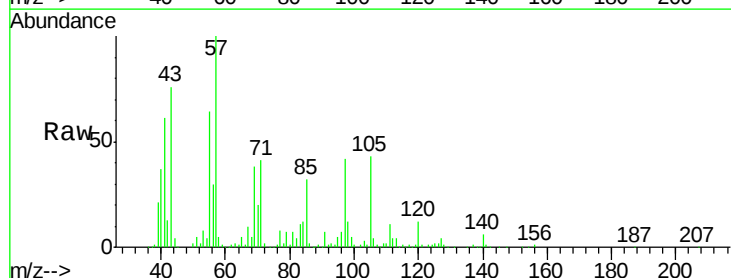
Acq: 24 Mar 2019 1:35

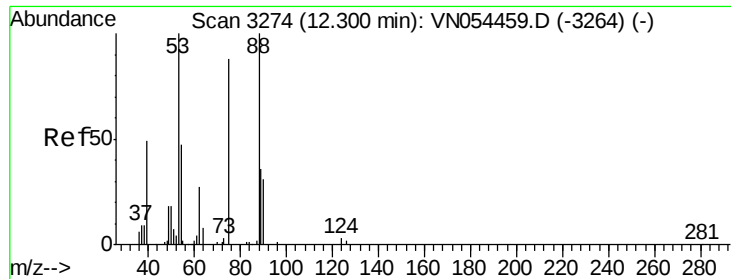
Tgt Ion: 105 Resp: 53169

Ion Ratio Lower Upper

105 100

120 30.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 107.195 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME

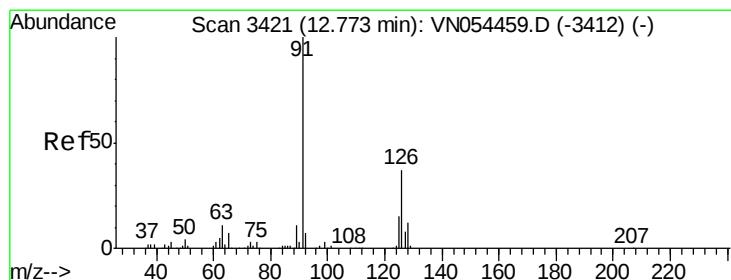
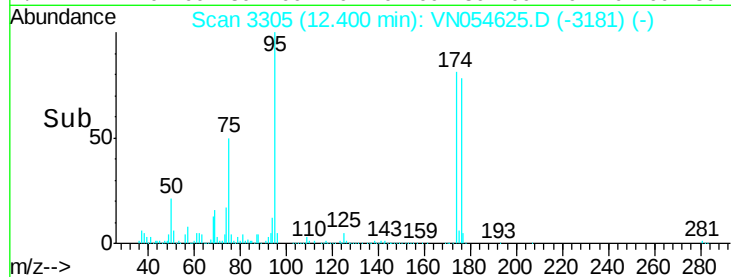
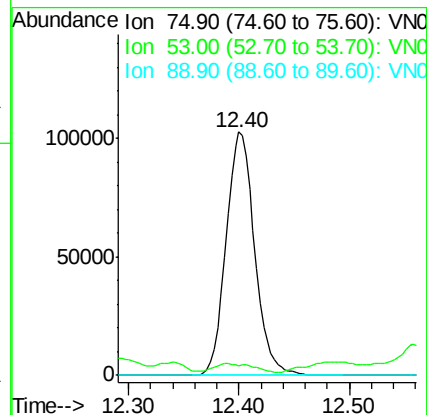
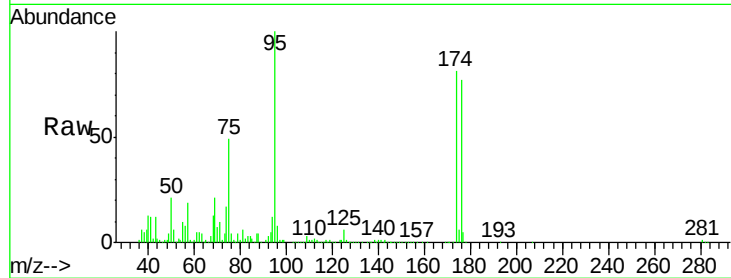
Tot Ion: 75 Resp: 184131

Ion Ratio Lower Upper

75 100

53 4.9 76.2 114.2#

89 0.1 39.2 58.8#



#82

4-Chlorotoluene

Concen: 0.356 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.10 min

Lab File: VN054625.D

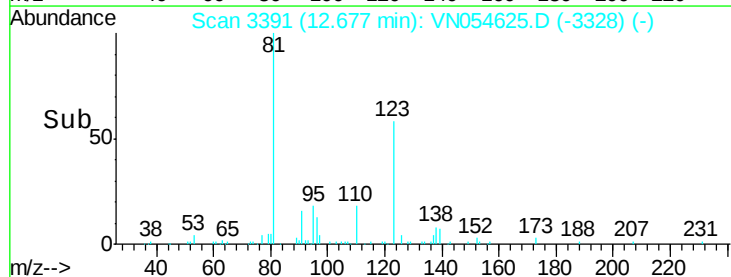
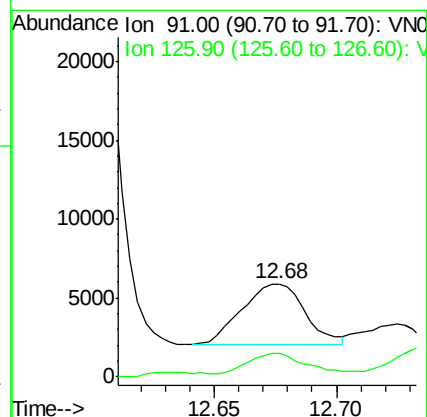
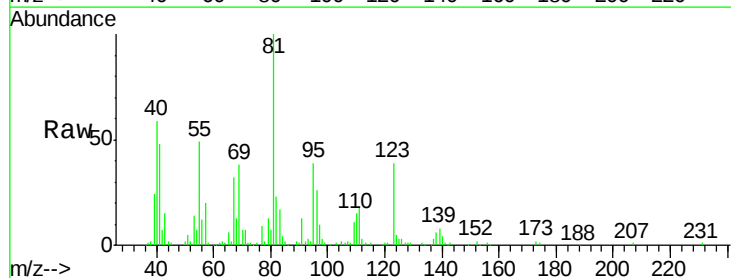
Acq: 24 Mar 2019 1:35

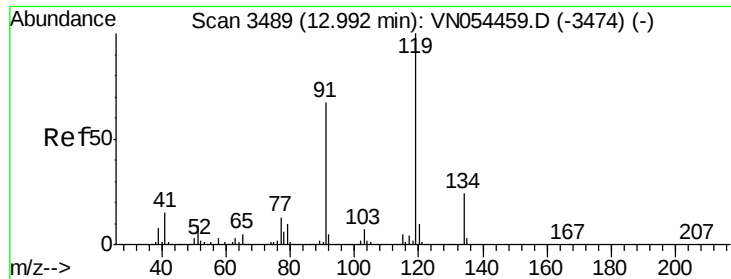
Tgt Ion: 91 Resp: 6777

Ion Ratio Lower Upper

91 100

126 32.7 18.1 54.1

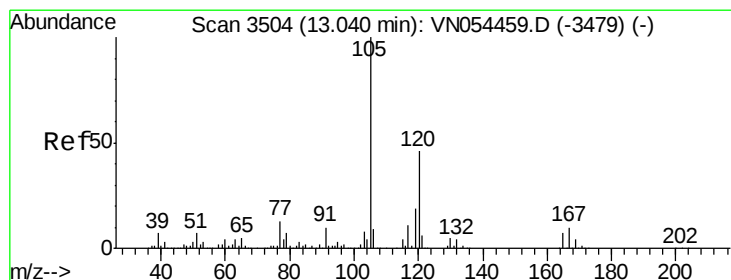
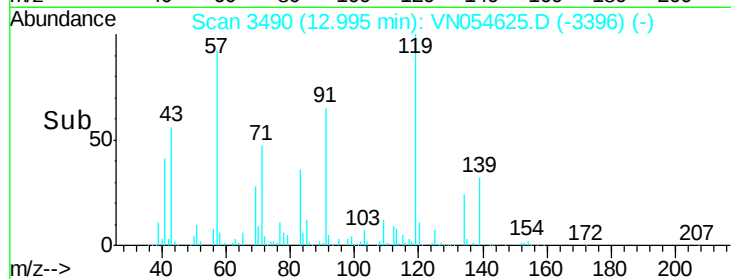
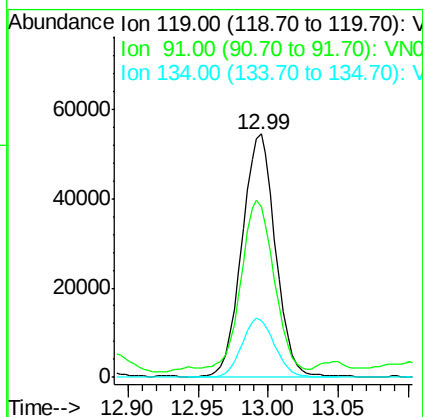
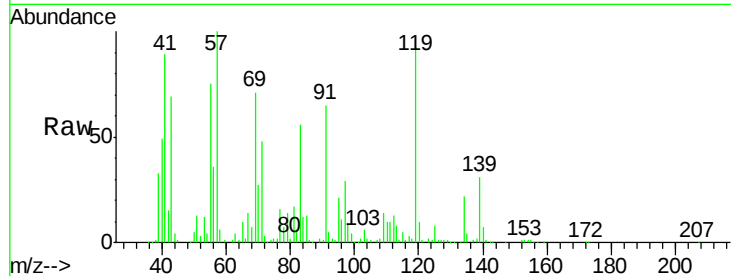




#83
 tert-Butylbenzene
 Concen: 4.343 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

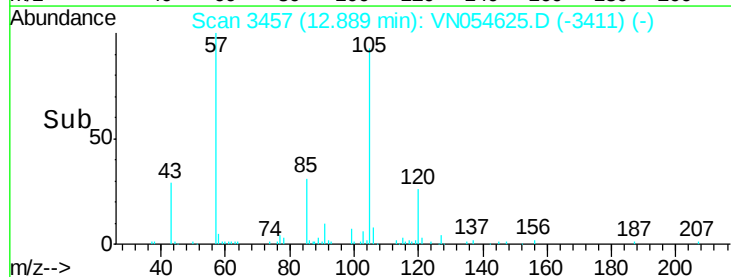
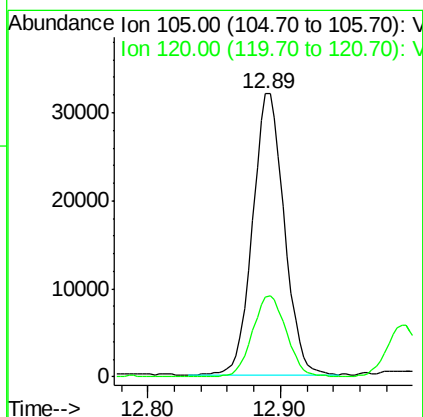
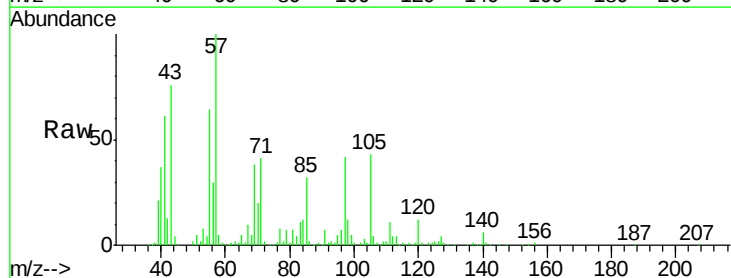
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)ME

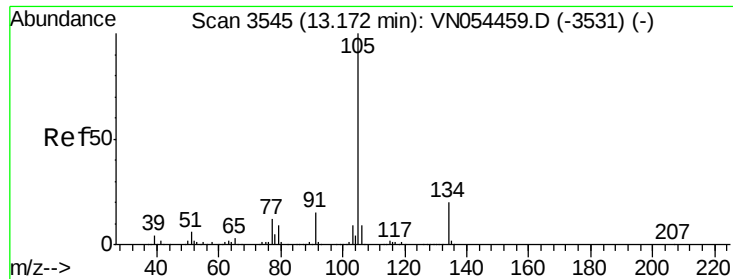
Tot Ion:119 Resp: 89927
 Ion Ratio Lower Upper
 119 100
 91 67.4 30.9 92.8
 134 23.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.278 ug/l
 RT: 12.89 min Scan# 3457
 Delta R.T. -0.15 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Tgt Ion:105 Resp: 53169
 Ion Ratio Lower Upper
 105 100
 120 30.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 5.465 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

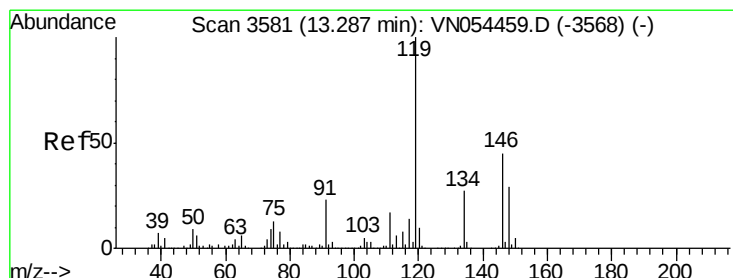
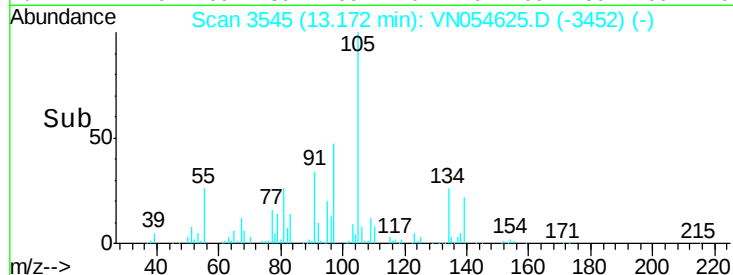
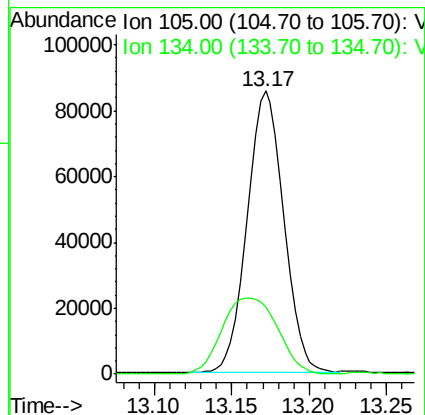
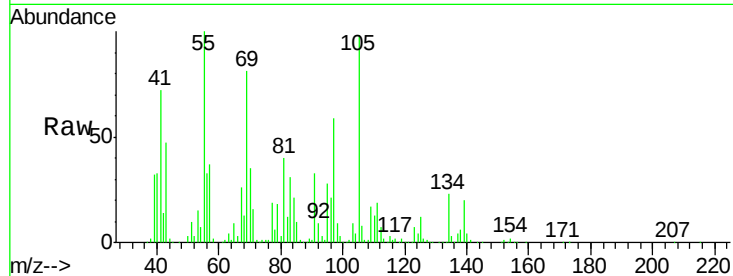
WP022SB442-190319-FD-(12-14)ME

Tot Ion:105 Resp: 141056

Ion Ratio Lower Upper

105 100

134 40.9 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 6.236 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

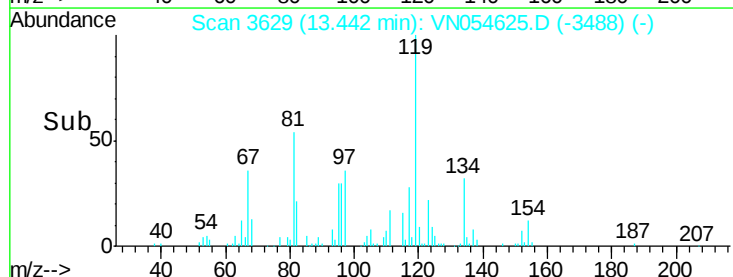
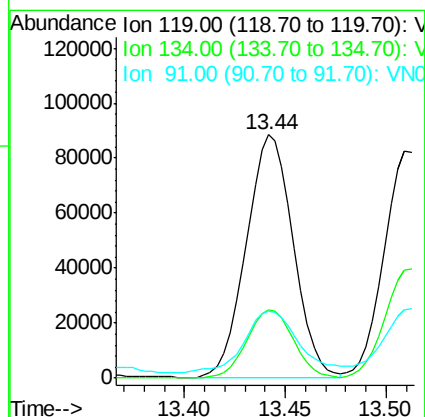
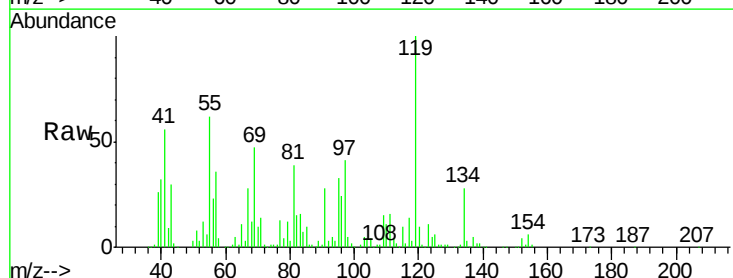
Tgt Ion:119 Resp: 143984

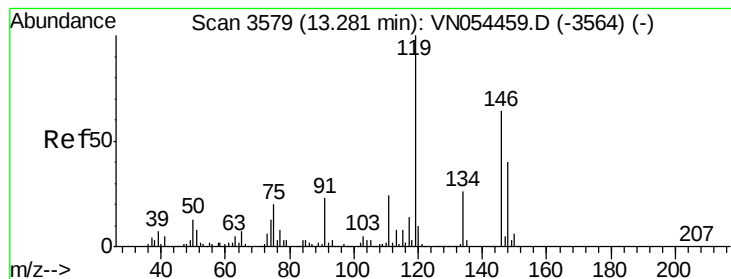
Ion Ratio Lower Upper

119 100

134 28.0 13.6 40.8

91 29.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.639 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME

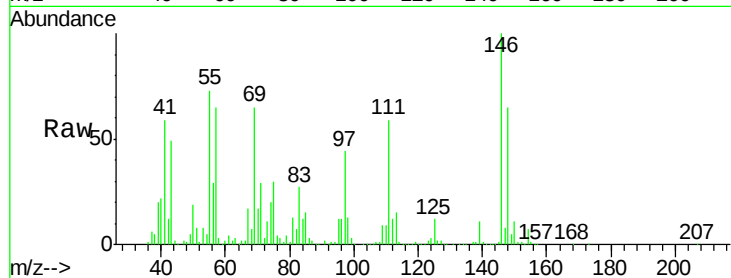
Tot Ion:146 Resp: 234253

Ion Ratio Lower Upper

146 100

111 61.4 18.8 56.3#

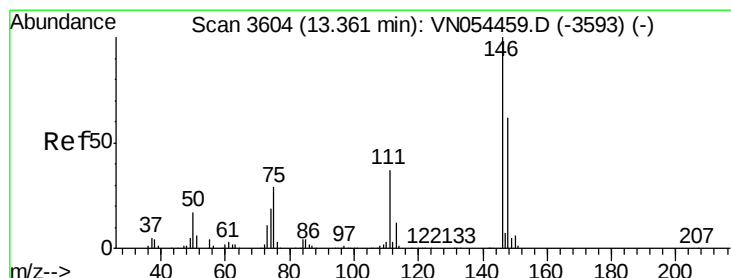
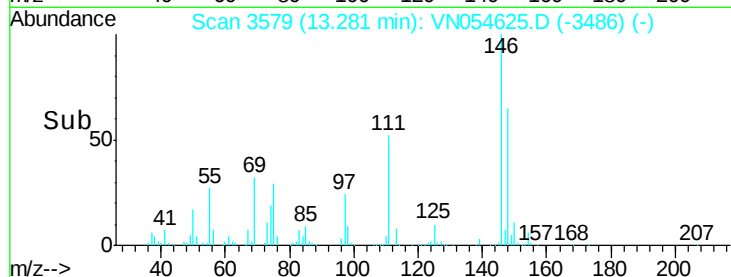
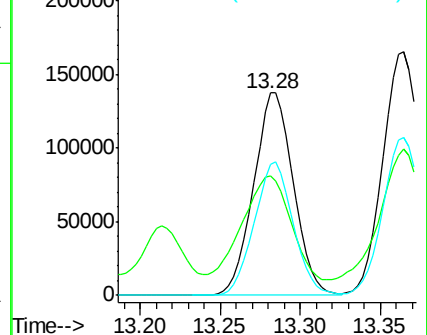
148 64.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 24.090 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

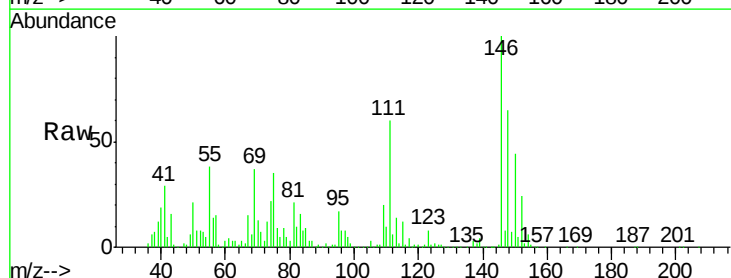
Tgt Ion:146 Resp: 279574

Ion Ratio Lower Upper

146 100

111 57.8 18.1 54.1#

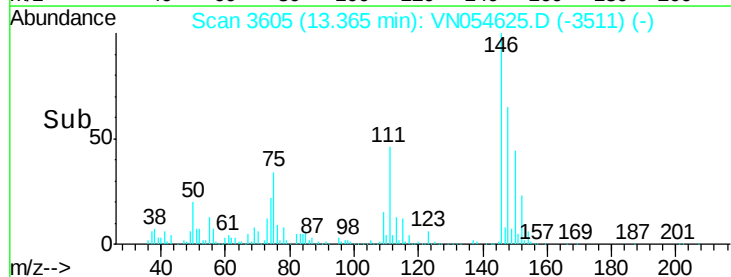
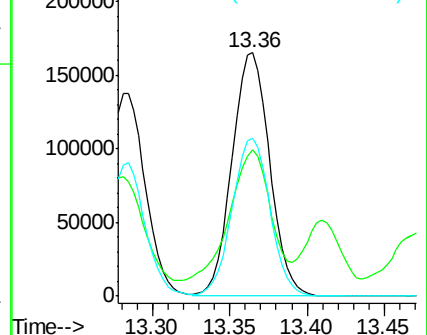
148 65.3 32.0 96.0

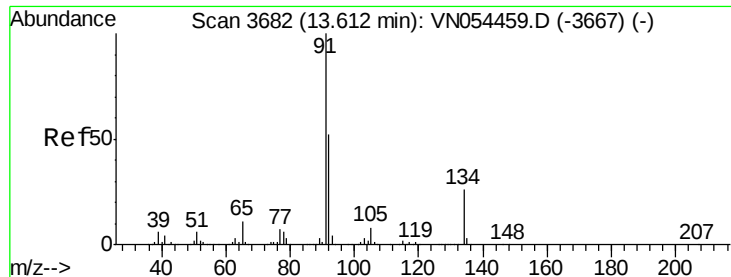


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

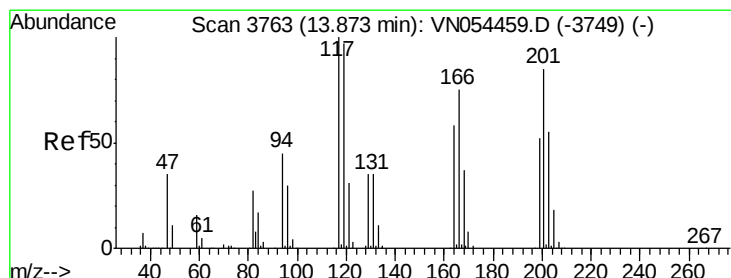
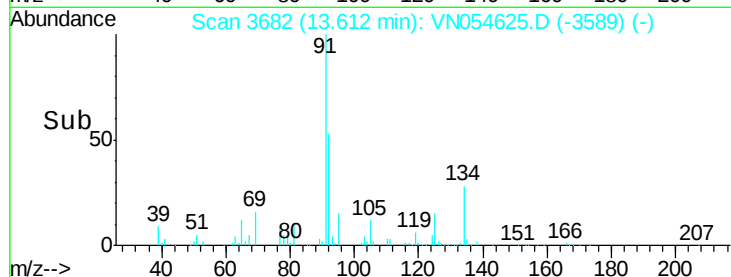
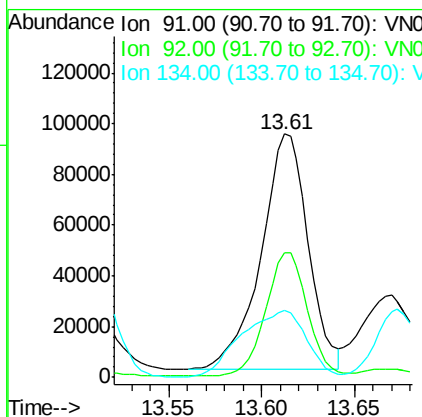
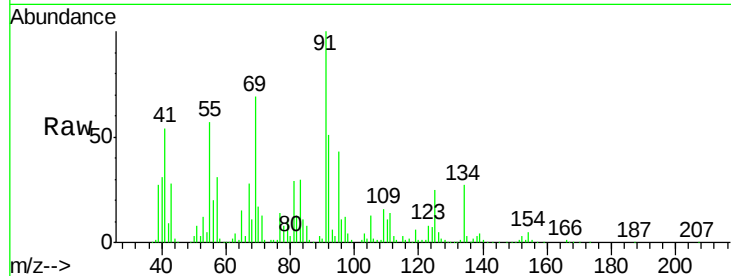




#89
n-Butylbenzene
Concen: 8.985 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

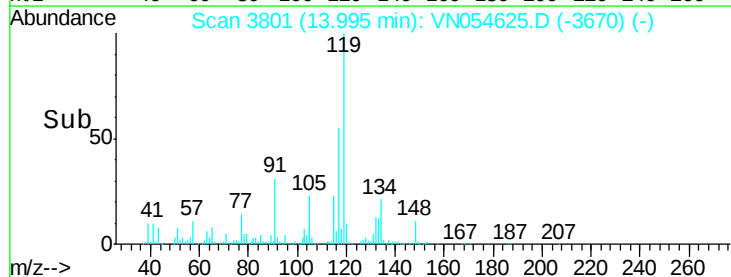
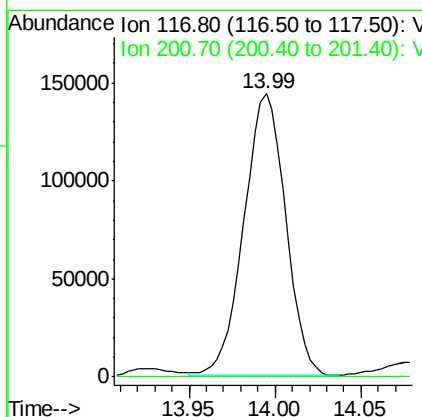
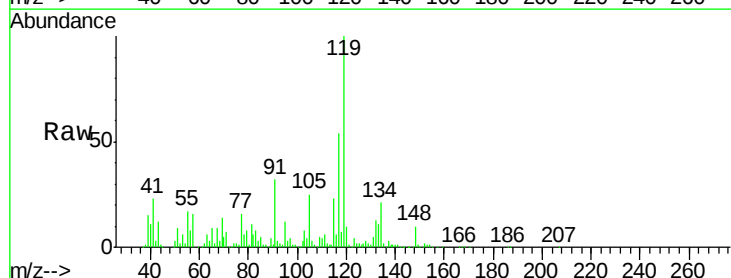
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

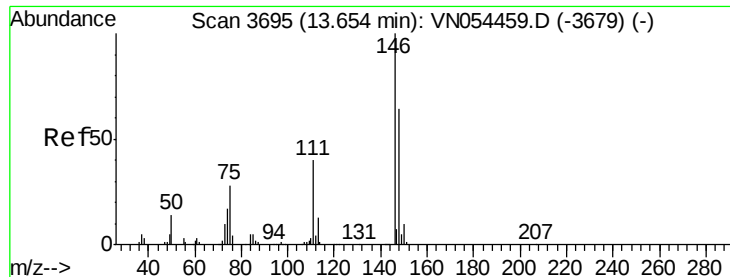
Tot Ion: 91 Resp: 162225
Ion Ratio Lower Upper
91 100
92 47.2 26.2 78.6
134 39.4 14.3 42.9



#90
Hexachloroethane
Concen: 67.685 ug/l
RT: 13.99 min Scan# 3801
Delta R.T. 0.12 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 117 Resp: 242598
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#

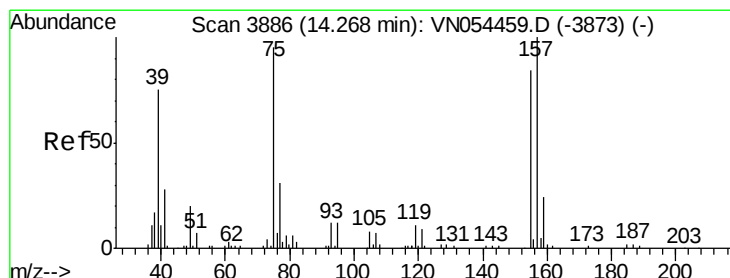
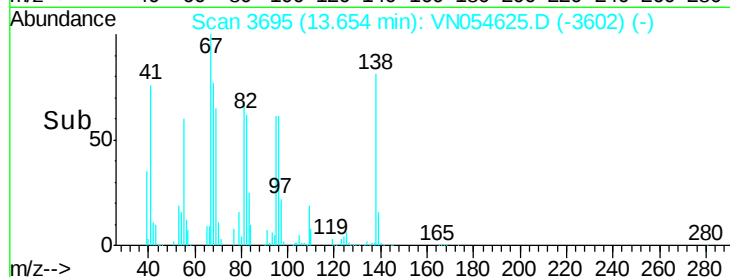
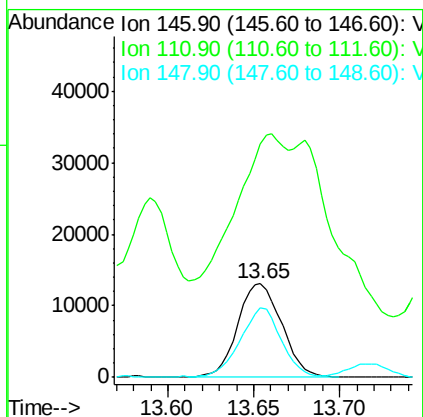
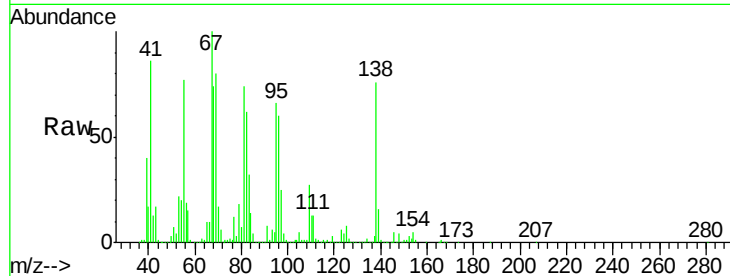




#91
 1,2-Dichlorobenzene
 Concen: 2.010 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

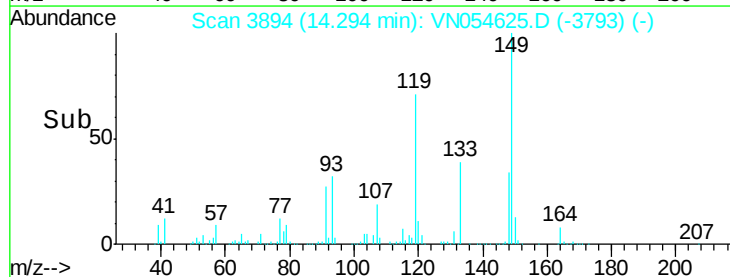
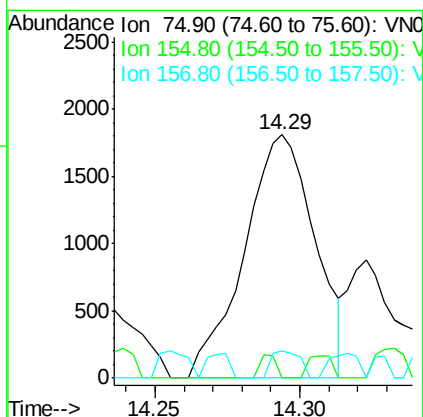
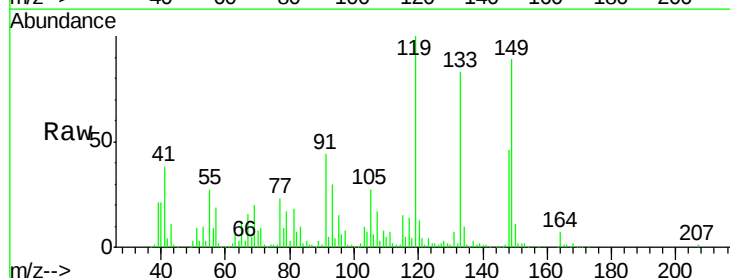
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)ME

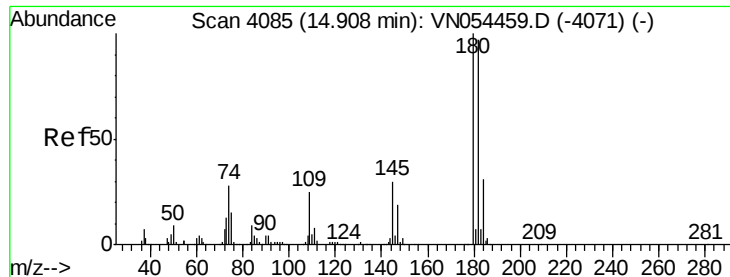
Tot Ion:146 Resp: 23221
 Ion Ratio Lower Upper
 146 100
 111 163.7 19.1 57.3#
 148 69.2 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.150 ug/l
 RT: 14.29 min Scan# 3894
 Delta R.T. 0.03 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Tgt Ion: 75 Resp: 3061
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 4.6 63.1 189.3#

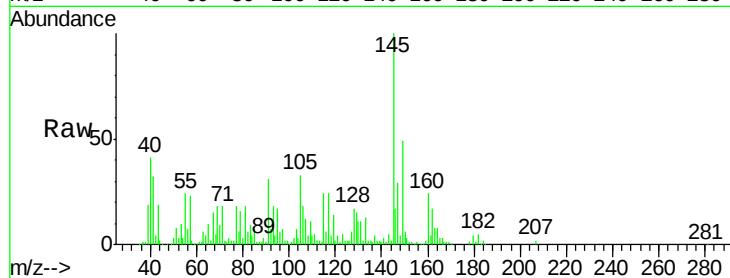




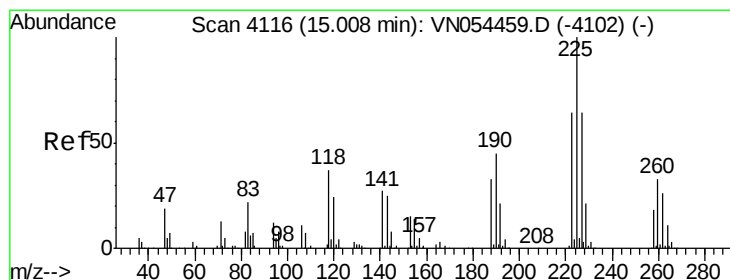
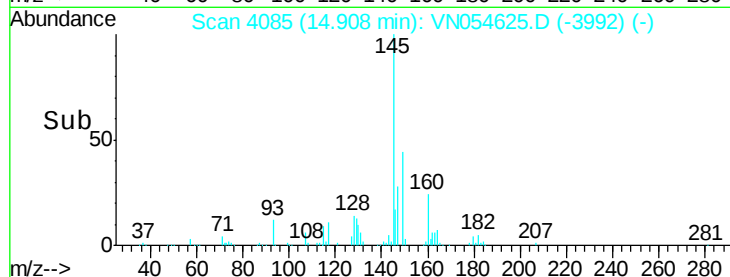
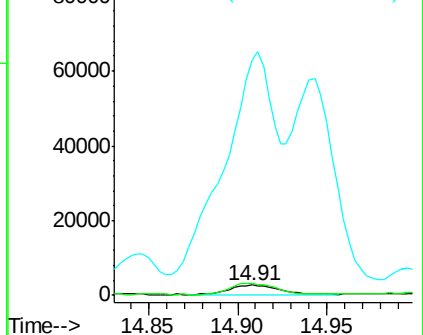
#93
 1,2,4-Trichlorobenzene
 Concen: 0.840 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

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

Tot Ion:180 Resp: 4835
 Ion Ratio Lower Upper
 180 100
 182 112.2 48.0 144.2
 145 2915.8 14.2 42.8#

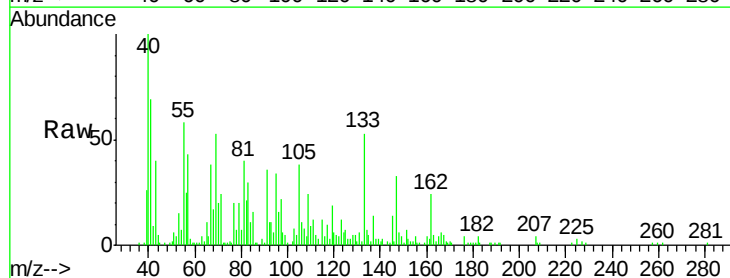


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

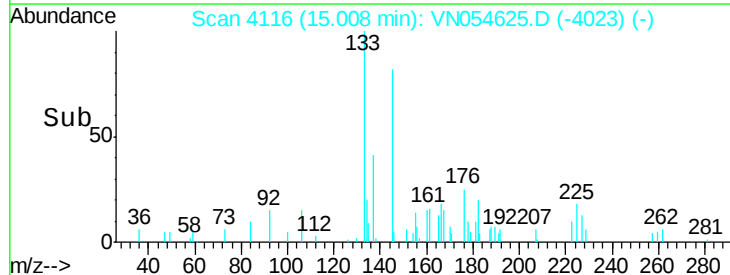
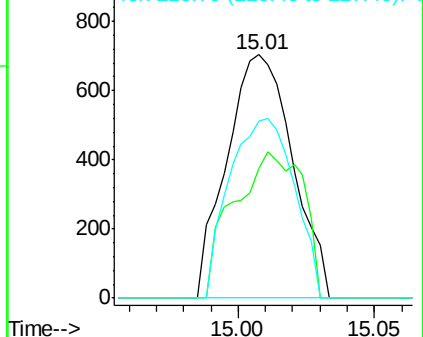


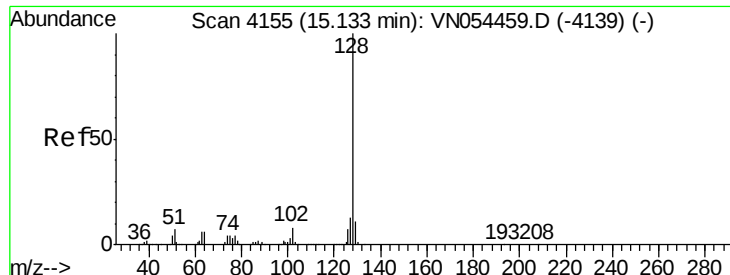
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Tgt Ion:225 Resp: 1180
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.5
 227 72.7 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

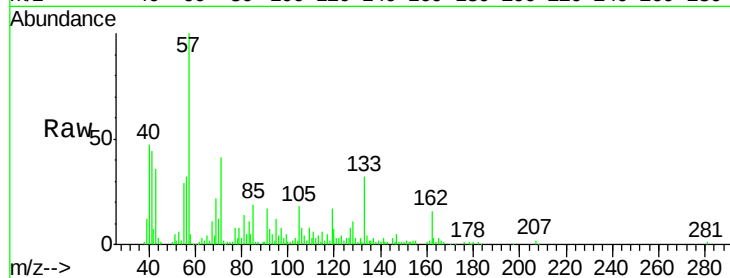




#95
Naphthalene
Concen: 0.801 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	76.8	10.1	15.1#
129	10.4	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

