

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055370.D
 Acq On : 3 May 2019 1:32
 Operator : JC/SP
 Sample : K2658-08 10X
 Misc : 5.17g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

Quant Time: May 03 09:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	440630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	724661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	299354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287811	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.59	113	228061	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.09	98	829878	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	476978	88.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.72%	

Target Compounds

					Qvalue	
13) Acrolein	3.63	56	437	1.695	ug/l #	14
16) Acetone	3.74	43	2133	1.188	ug/l #	55
18) Methyl Acetate	4.34	43	2892	Below Cal	#	91
23) Vinyl Acetate	5.91	43	72682	6.191	ug/l #	79
25) 2-Butanone	6.66	43	10368	4.514	ug/l #	61
27) cis-1,2-Dichloroethene	6.70	96	7402	1.412	ug/l #	1
29) Tetrahydrofuran	7.31	42	3267	2.221	ug/l #	58
31) Cyclohexane	7.58	56	60452	6.667	ug/l #	10
32) 1,1,1-Trichloroethane	7.80	97	311415	42.414	ug/l #	22
36) 1,1-Dichloropropene	7.66	75	32391	4.667	ug/l #	42
37) Ethyl Acetate	6.76	43	2422	0.455	ug/l #	71
38) Carbon Tetrachloride	7.66	117	40233	6.009	ug/l #	15
39) Methylcyclohexane	8.94	83	19734	2.674	ug/l #	1
41) Methacrylonitrile	7.38	41	1790	1.352	ug/l #	40
43) Isopropyl Acetate	8.18	43	28533	3.337	ug/l #	56
46) Dibromomethane	9.24	93	996	0.309	ug/l #	3
47) Bromodichloromethane	9.47	83	114072	16.484	ug/l #	49
48) Methyl methacrylate	9.30	41	1612737	383.727	ug/l #	1
49) 1,4-Dioxane	9.28	88	62	1.427	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	74755	15.531	ug/l #	61
55) 1,1,2-Trichloroethane	10.53	97	350670	80.434	ug/l #	19
56) Ethyl methacrylate	10.37	69	574362	107.035	ug/l #	19
57) 1,3-Dichloropropane	10.62	76	12355	1.615	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.65	63	68828	51.683	ug/l #	59
59) 2-Hexanone	10.72	43	321249	106.669	ug/l #	31
61) 1,2-Dibromoethane	11.02	107	46914	11.642	ug/l #	74
65) Chlorobenzene	11.36	112	39885	3.320	ug/l #	48
67) Ethyl Benzene	11.48	91	89164	4.110	ug/l #	46
68) m/p-Xylenes	11.74	106	291159	37.595	ug/l #	65
69) o-Xylene	12.12	106	75003	9.771	ug/l	51
70) Styrene	11.93	104	19168	1.626	ug/l #	1
71) Bromoform	12.40	173	1877	0.719	ug/l #	1
73) Isopropylbenzene	12.26	105	2374933	103.061	ug/l #	67
74) N-amyl acetate	12.04	43	1593500	207.418	ug/l #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

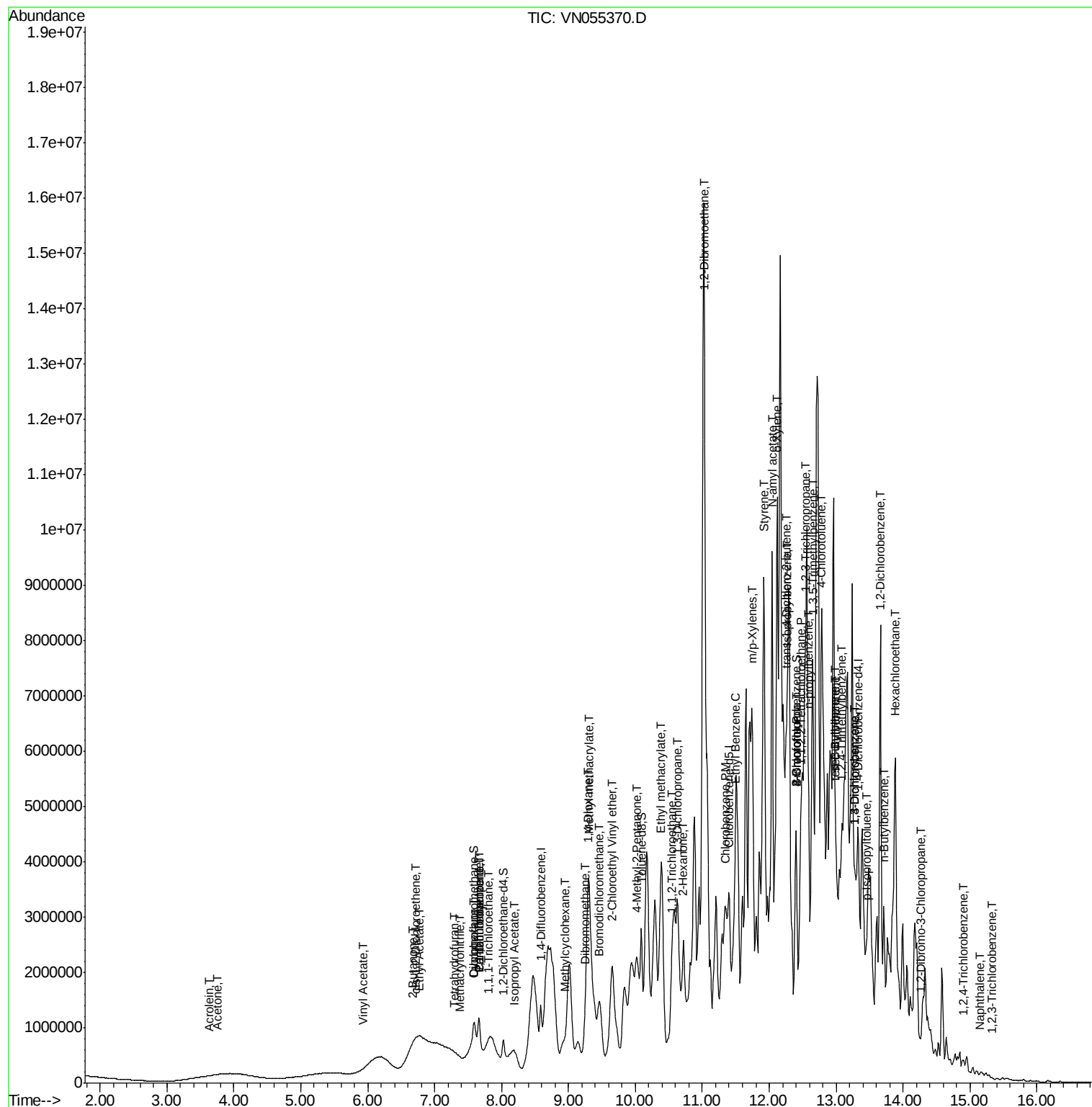
75) 1,1,2,2-Tetrachloroethane	12.46	83	297874	50.236	ug/l #	25
76) 1,2,3-Trichloropropane	12.54	75	16963	0.559	ug/l #	100
77) Bromobenzene	12.50	156	1868	Below Cal	#	1
78) n-propylbenzene	12.59	91	1971680	64.120	ug/l	99
79) 2-Chlorotoluene	12.39	91	74187	2.018	ug/l	97
80) 1,3,5-Trimethylbenzene	12.66	105	217567	9.271	ug/l	66
81) trans-1,4-Dichloro-2-buten	12.25	75	29037	18.382	ug/l #	1
82) 4-Chlorotoluene	12.77	91	94336	5.276	ug/l #	42
83) tert-Butylbenzene	13.00	119	409498	23.085	ug/l	85
84) 1,2,4-Trimethylbenzene	13.08	105	64752	3.085	ug/l #	32
85) sec-Butylbenzene	13.00	105	566004	22.189	ug/l	81
86) p-Isopropyltoluene	13.44	119	262903	12.540	ug/l	87
87) 1,3-Dichlorobenzene	13.29	146	9775	0.976	ug/l #	24
88) 1,4-Dichlorobenzene	13.29	146	9775	1.036	ug/l #	25
89) n-Butylbenzene	13.72	91	95186	6.389	ug/l	72
90) Hexachloroethane	13.87	117	645519	199.158	ug/l #	7
91) 1,2-Dichlorobenzene	13.64	146	55340	5.574	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	701	0.890	ug/l #	20
93) 1,2,4-Trichlorobenzene	14.91	180	122	3.340	ug/l #	1
95) Naphthalene	15.13	128	3022	3.667	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	234	2.670	ug/l #	12

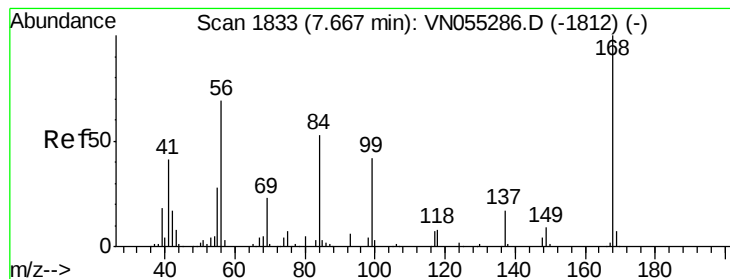
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

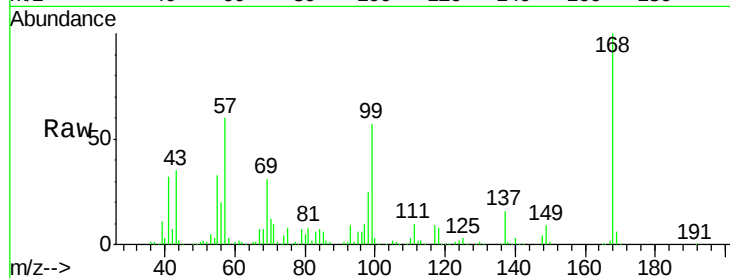
EP1-SB-E3-4(17-20)

Tot Ion:168 Resp: 440630

Ion Ratio Lower Upper

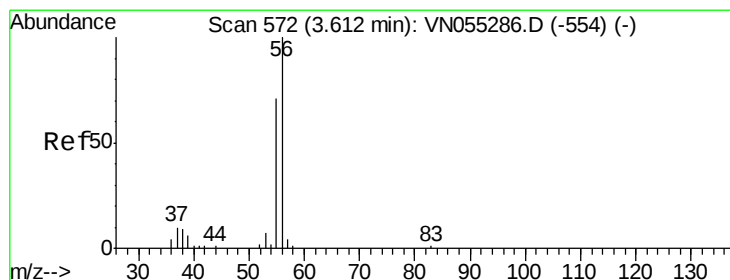
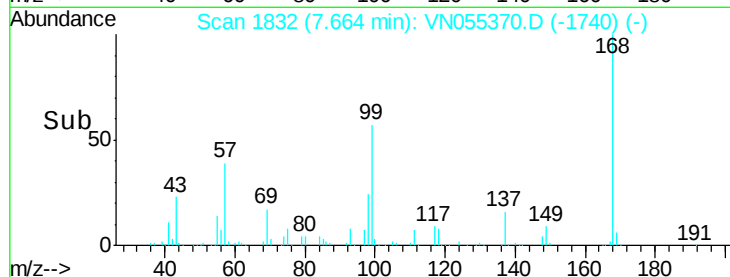
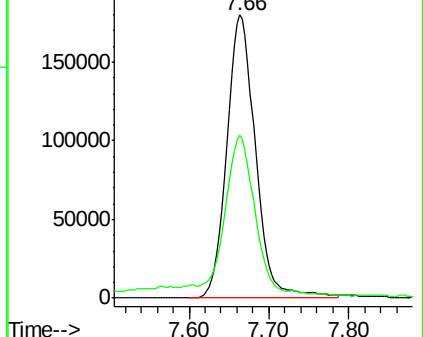
168 100

99 56.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055370.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055370.D (-1740) (-)



#13

Acrolein

Concen: 1.695 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.01 min

Lab File: VN055370.D

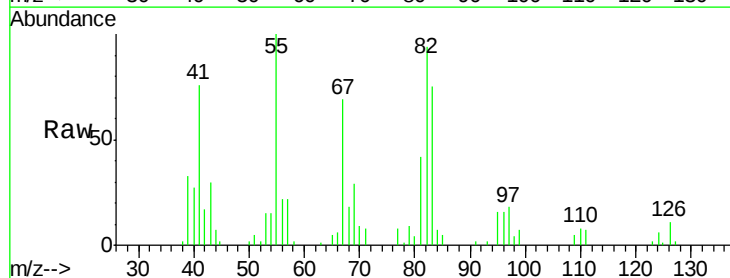
Acq: 3 May 2019 1:32

Tgt Ion: 56 Resp: 437

Ion Ratio Lower Upper

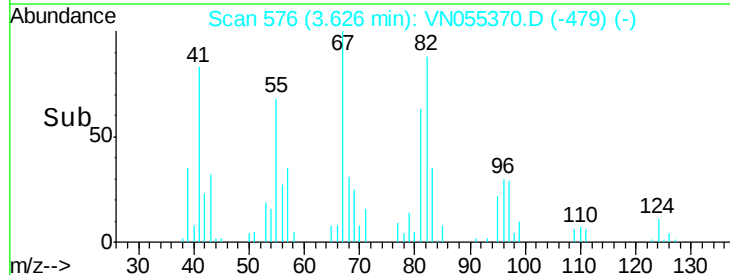
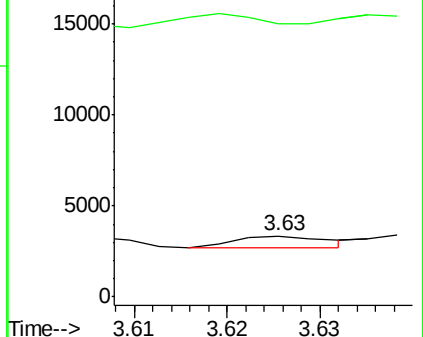
56 100

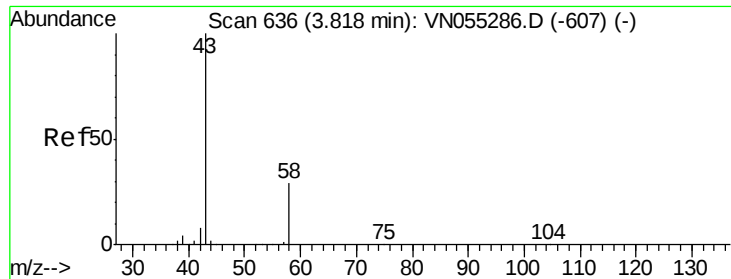
55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN055370.D (-479) (-)

Ion 55.00 (54.70 to 55.70): VN055370.D (-479) (-)





#16

Acetone

Concen: 1.188 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.08 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

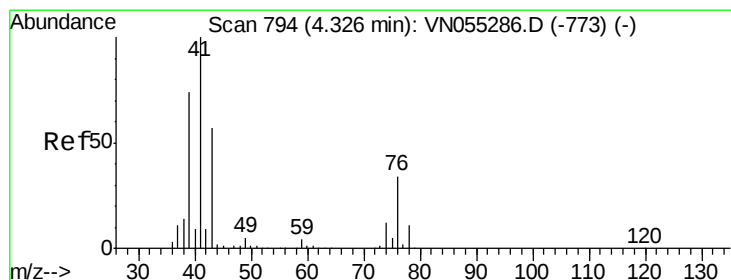
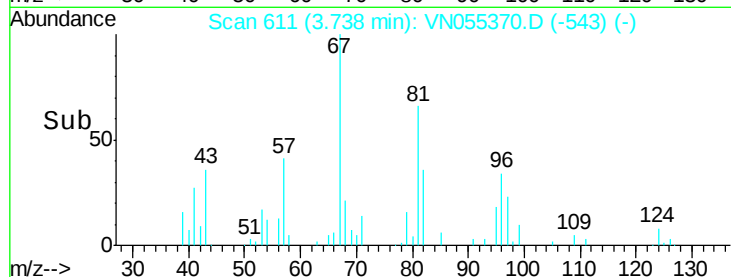
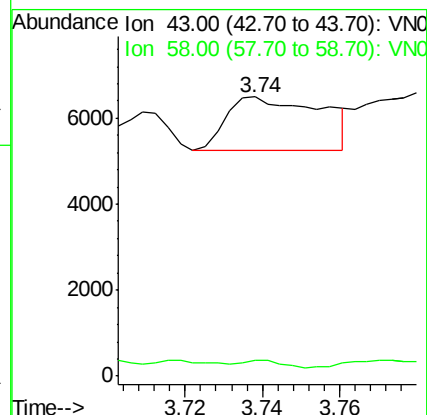
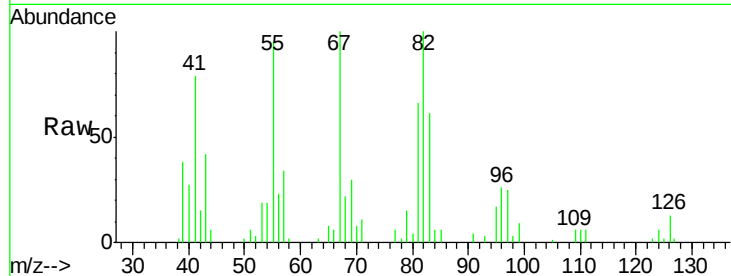
EP1-SB-E3-4(17-20)

Tot Ion: 43 Resp: 2133

Ion Ratio Lower Upper

43 100

58 5.1 23.6 35.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055370.D

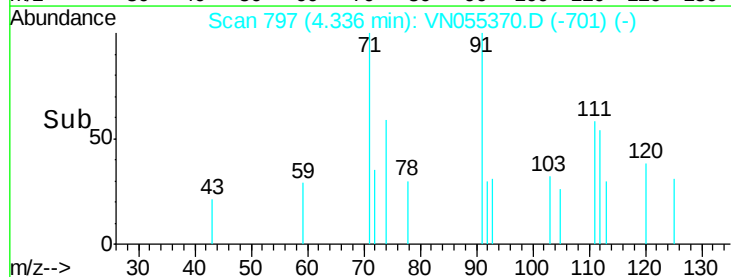
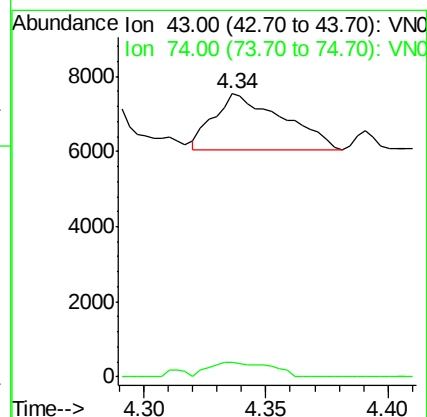
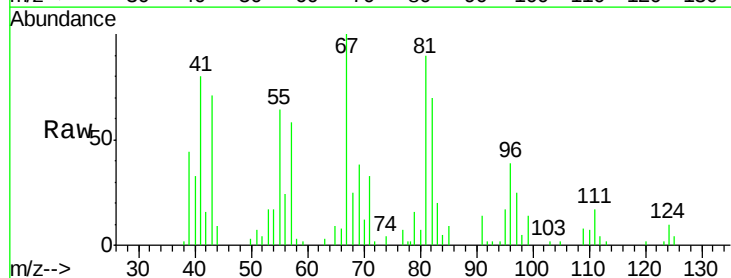
Acq: 3 May 2019 1:32

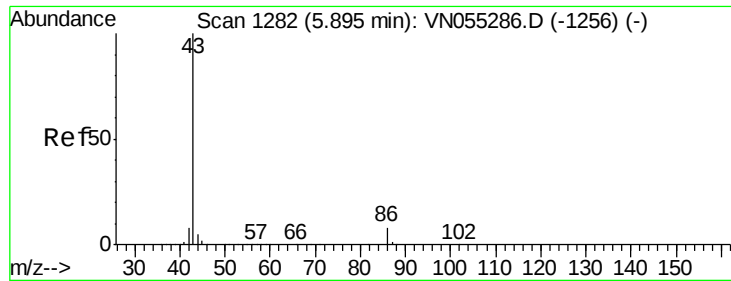
Tgt Ion: 43 Resp: 2892

Ion Ratio Lower Upper

43 100

74 24.0 15.8 23.8#





#23

Vinyl Acetate

Concen: 6.191 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.02 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

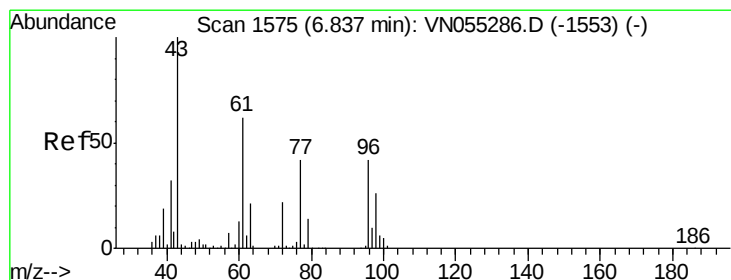
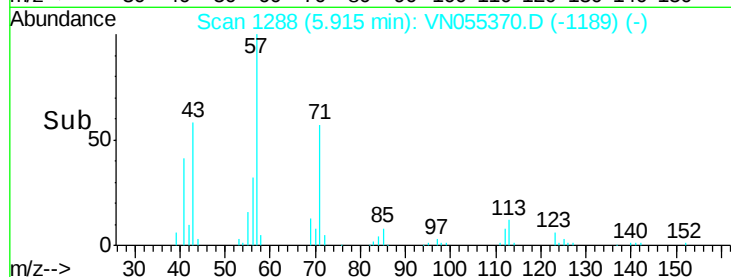
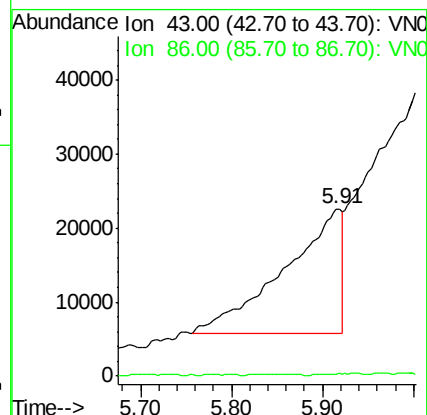
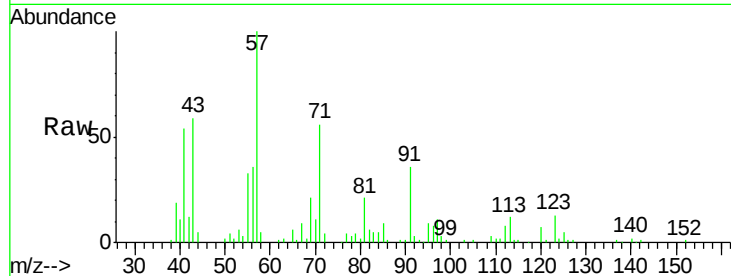
EP1-SB-E3-4(17-20)

Tot Ion: 43 Resp: 72682

Ion Ratio Lower Upper

43 100

86 0.7 6.6 10.0#



#25

2-Butanone

Concen: 4.514 ug/l

RT: 6.66 min Scan# 1520

Delta R.T. -0.18 min

Lab File: VN055370.D

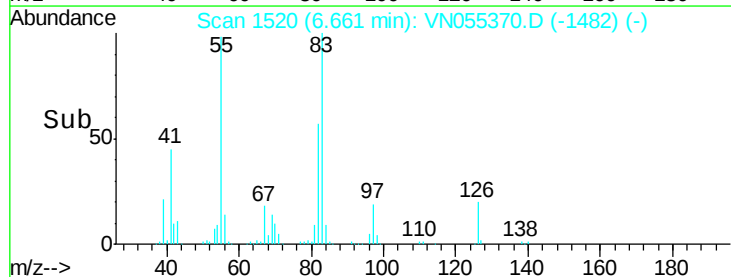
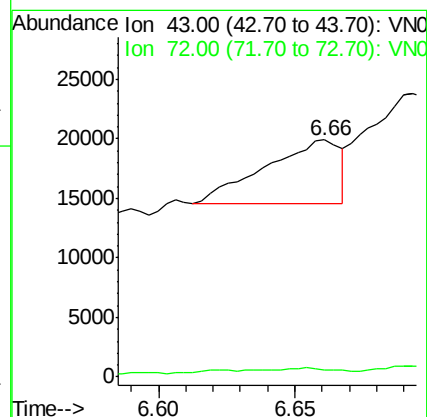
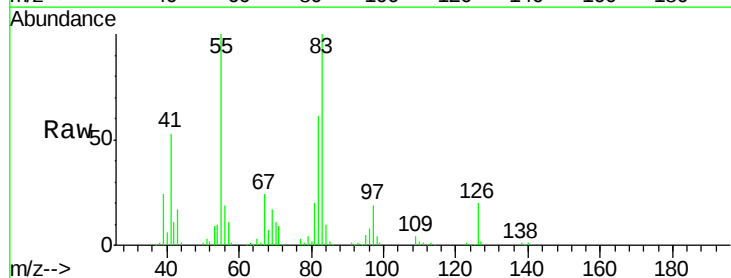
Acq: 3 May 2019 1:32

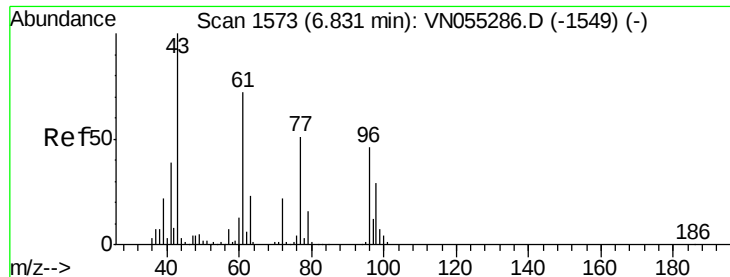
Tgt Ion: 43 Resp: 10368

Ion Ratio Lower Upper

43 100

72 3.6 18.0 27.0#





#27

cis-1,2-Dichloroethene

Concen: 1.412 ug/l

RT: 6.70 min Scan# 1533

Delta R.T. -0.13 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

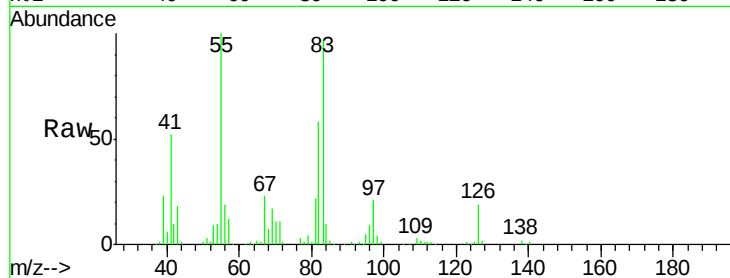
Tot Ion: 96 Resp: 7402

Ion Ratio Lower Upper

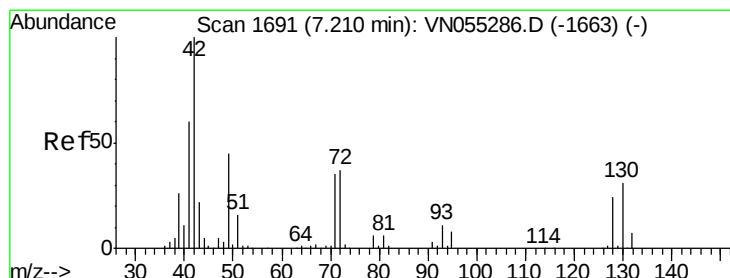
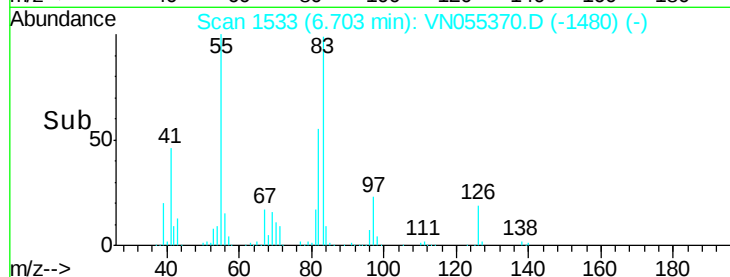
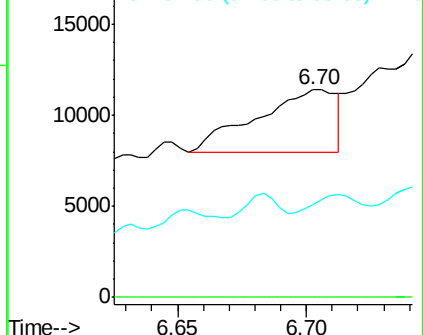
96 100

61 0.0 0.0 316.2

98 12.7 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#29

Tetrahydrofuran

Concen: 2.221 ug/l

RT: 7.31 min Scan# 1721

Delta R.T. 0.10 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

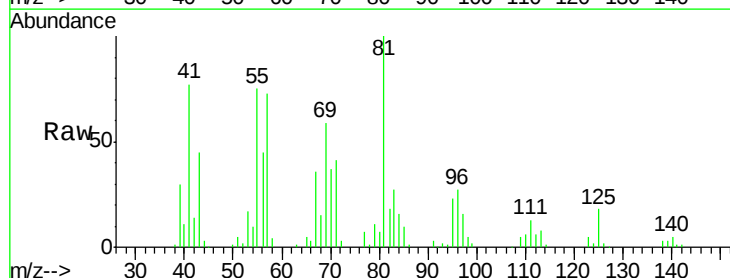
Tgt Ion: 42 Resp: 3267

Ion Ratio Lower Upper

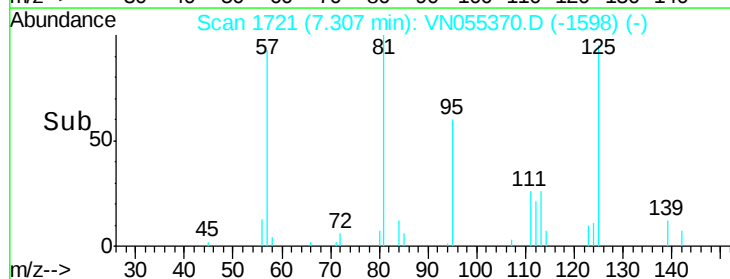
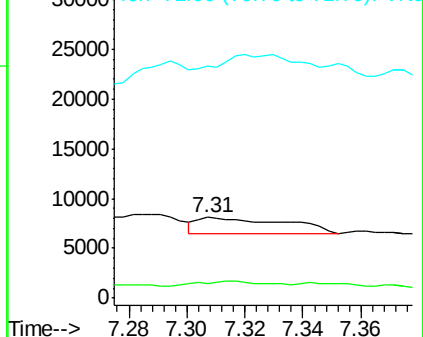
42 100

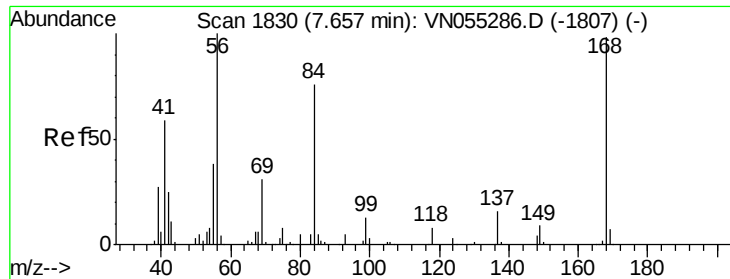
72 21.5 29.0 43.6#

71 0.0 27.1 40.7#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

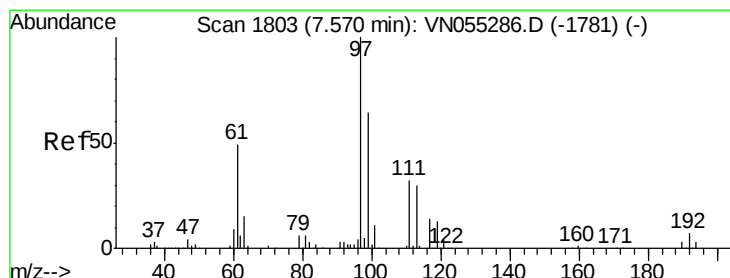
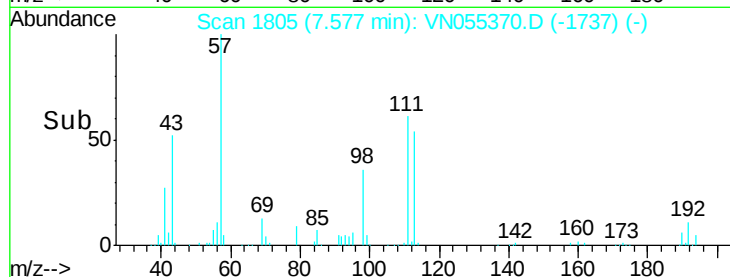
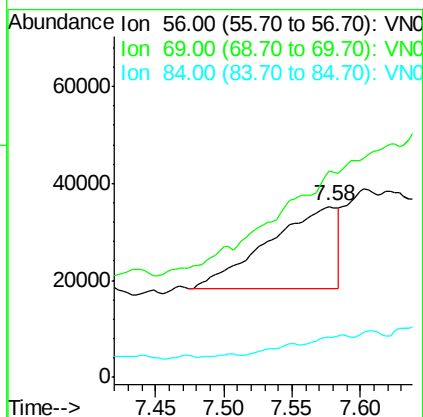
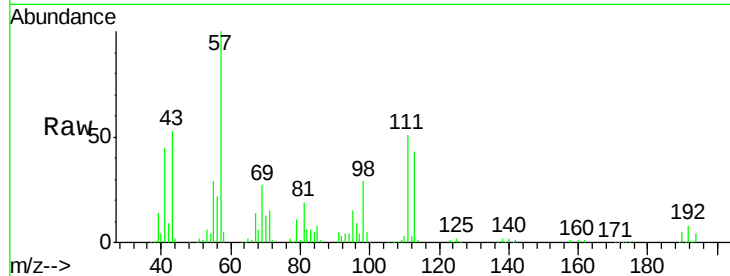




#31
Cyclohexane
Concen: 6.667 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.08 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

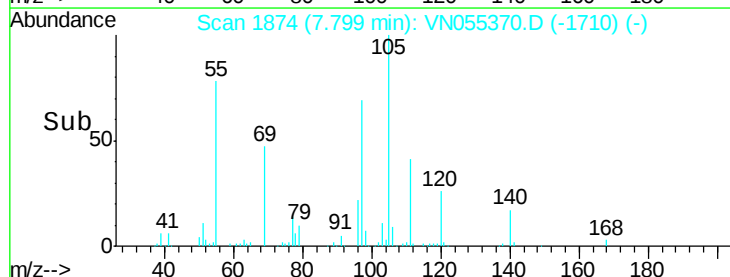
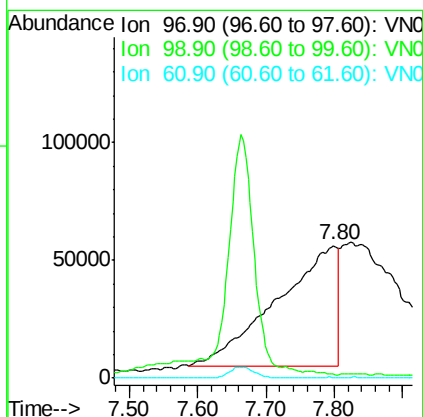
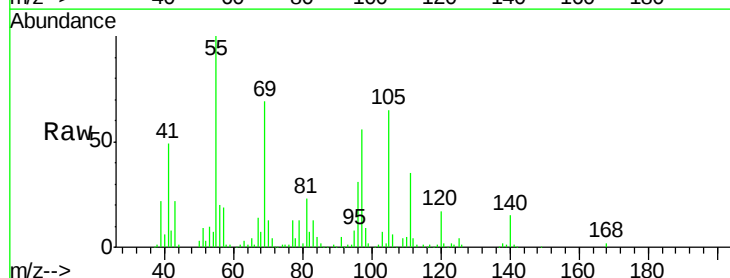
Instrument :
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EP1-SB-E3-4(17-20)

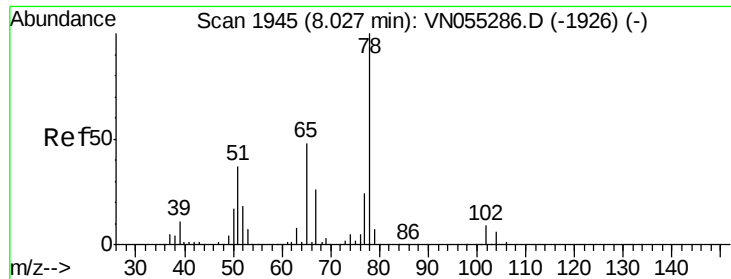
Tot Ion: 56 Resp: 60452
Ion Ratio Lower Upper
56 100
69 117.0 25.2 37.8#
84 22.1 61.1 91.7#



#32
1,1,1-Trichloroethane
Concen: 42.414 ug/l
RT: 7.80 min Scan# 1874
Delta R.T. 0.23 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion: 97 Resp: 311415
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.8#
61 0.0 39.0 58.6#

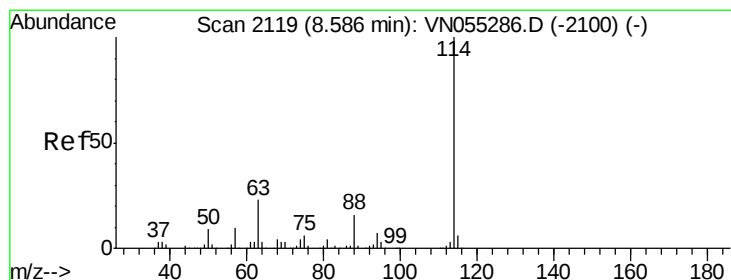
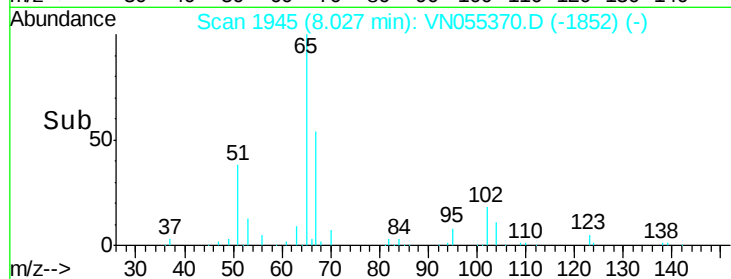
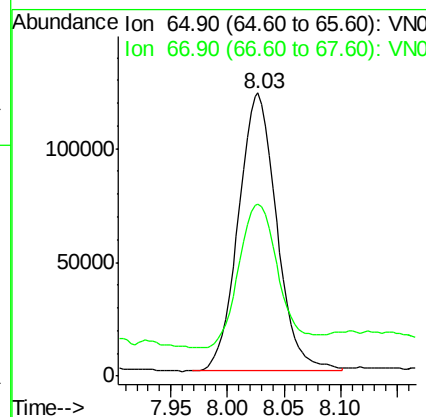
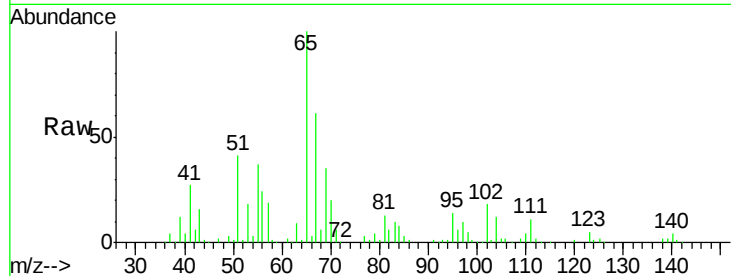




#33
 1,2-Dichloroethane-d4
 Concen: 49.929 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

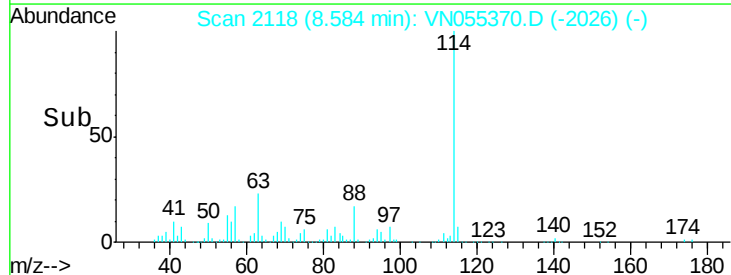
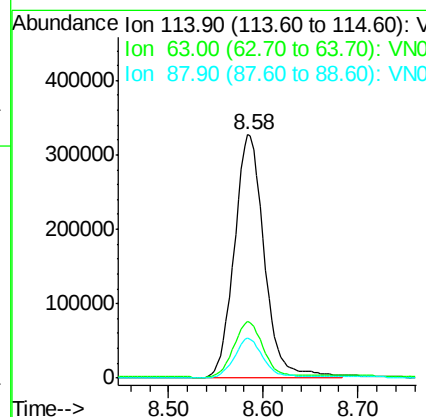
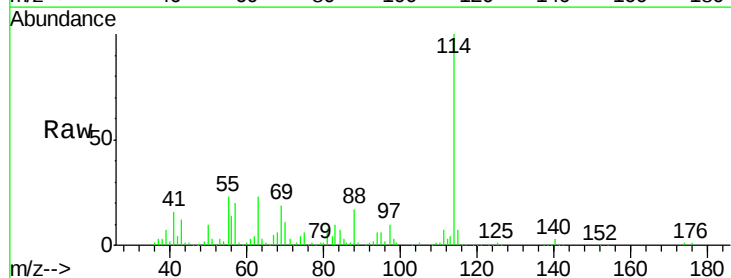
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

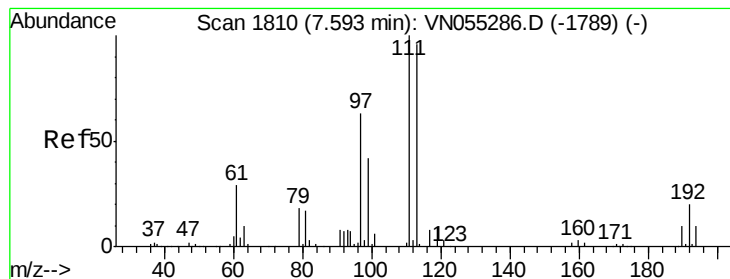
Tot Ion: 65 Resp: 287811
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

Tgt Ion: 114 Resp: 724661
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.2
 88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.948 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

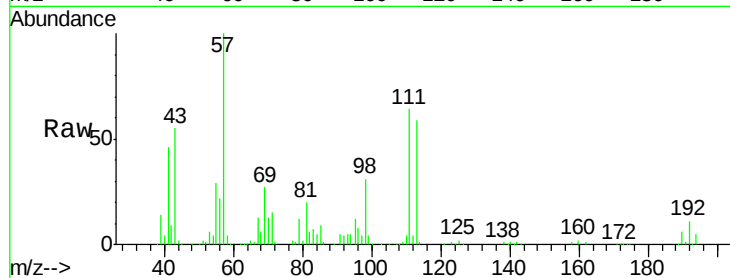
Tot Ion:113 Resp: 228061

Ion Ratio Lower Upper

113 100

111 106.8 82.3 123.5

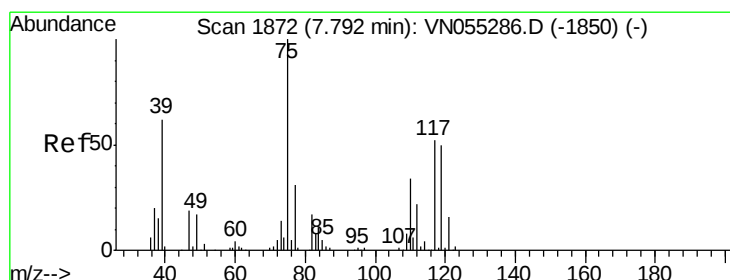
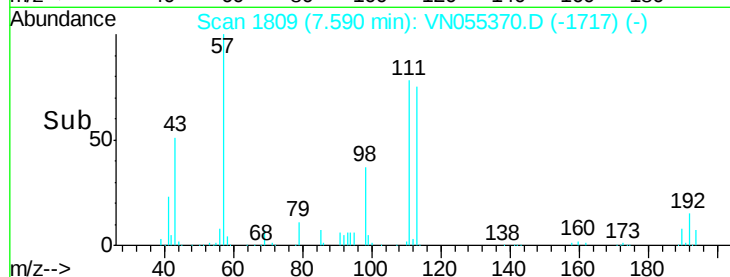
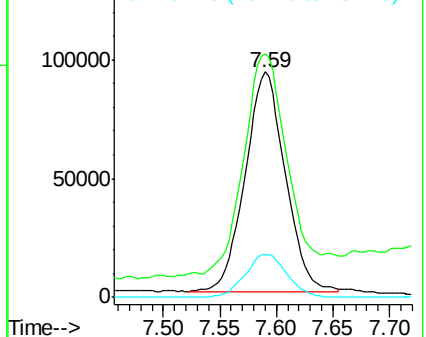
192 20.5 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

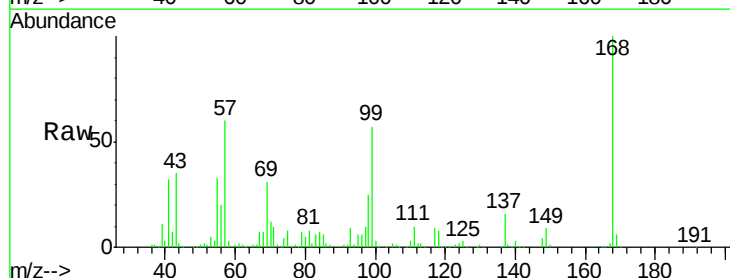
Tgt Ion: 75 Resp: 32391

Ion Ratio Lower Upper

75 100

110 0.0 16.8 50.4#

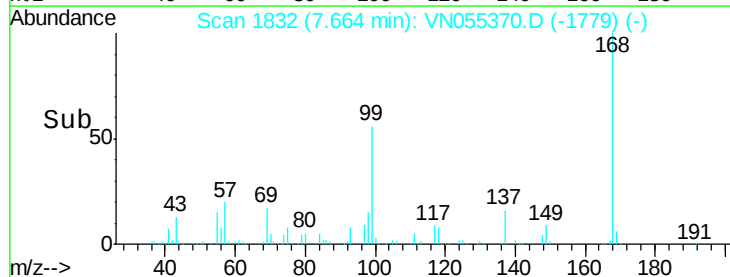
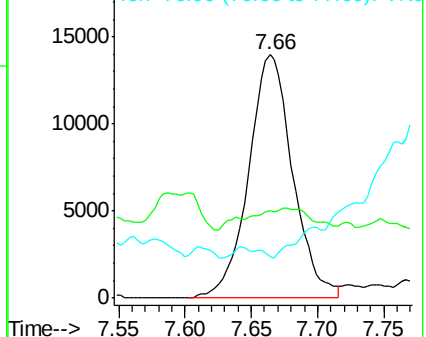
77 0.0 25.0 37.6#

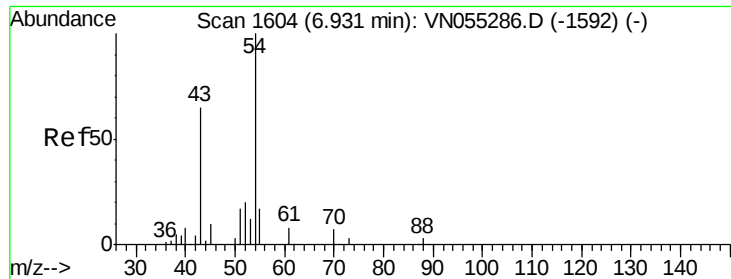


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

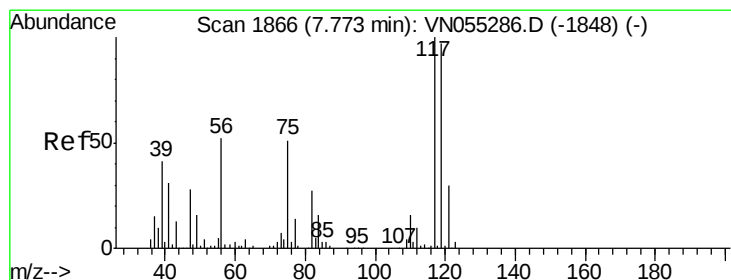
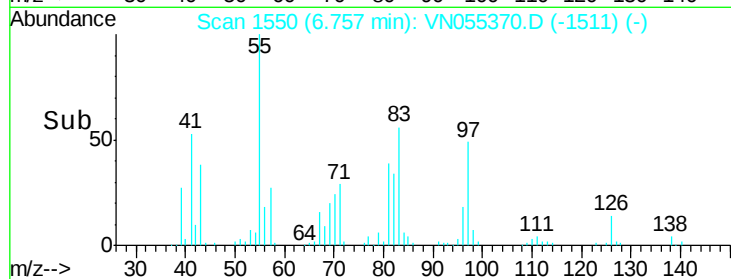
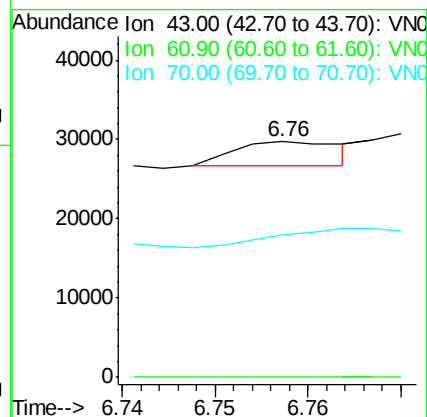
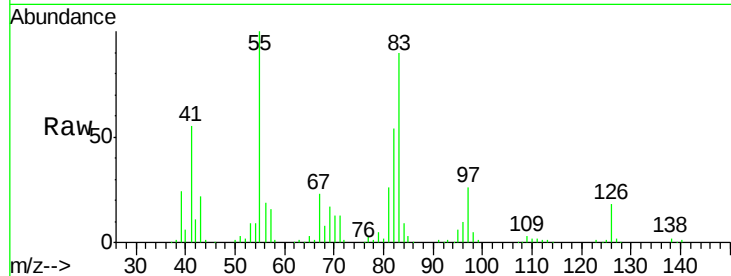




#37
Ethyl Acetate
Concen: 0.455 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.17 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

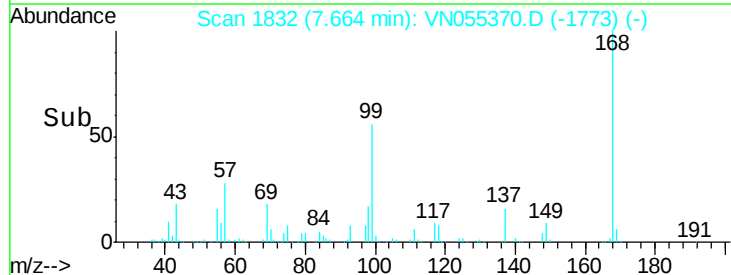
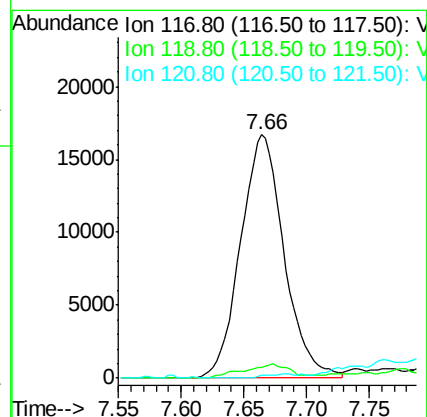
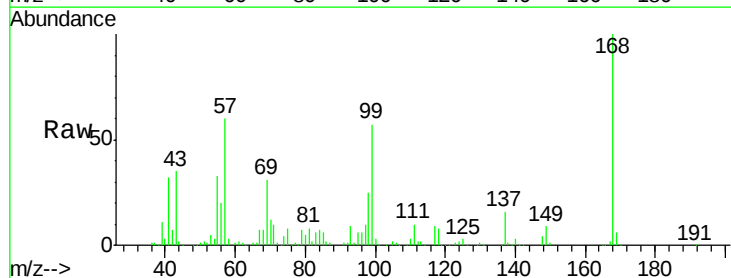
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

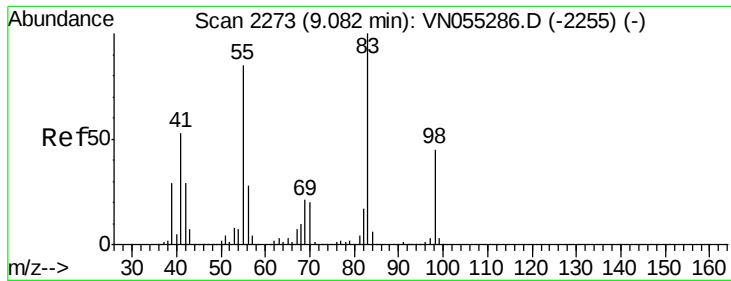
Tot Ion: 43 Resp: 2422
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 6.6 10.0#



#38
Carbon Tetrachloride
Concen: 6.009 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion: 117 Resp: 40233
Ion Ratio Lower Upper
117 100
119 4.5 77.0 115.6#
121 0.2 23.8 35.8#

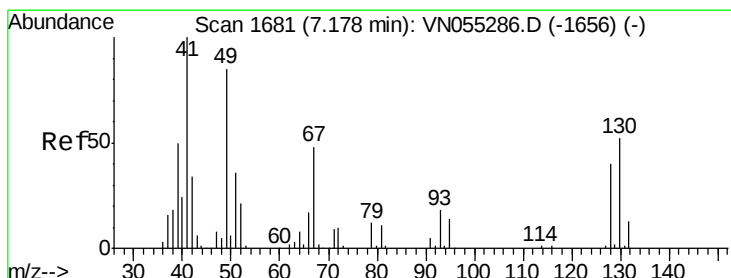
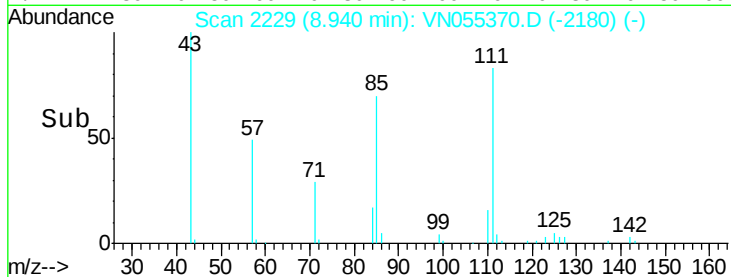
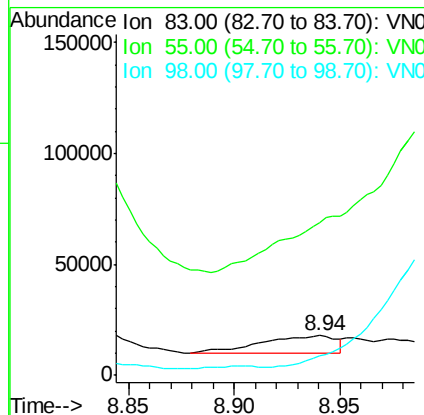
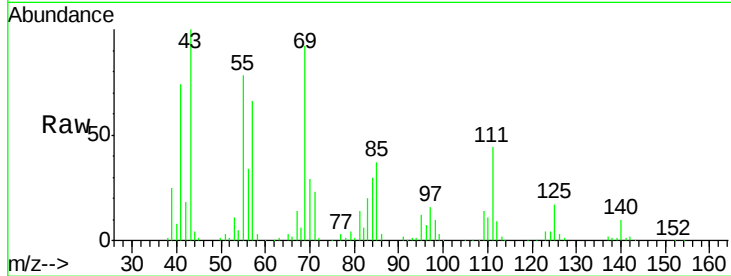




#39
Methvlcvclohexane
Concen: 2.674 ug/l
RT: 8.94 min Scan# 2229
Delta R.T. -0.14 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

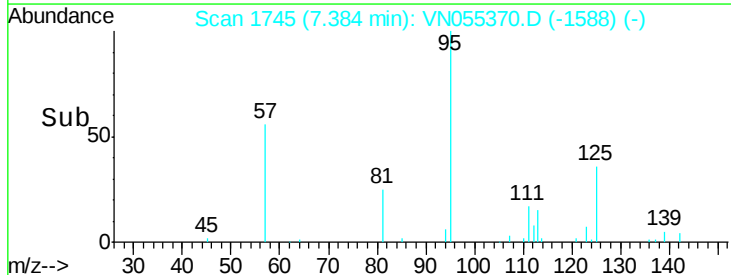
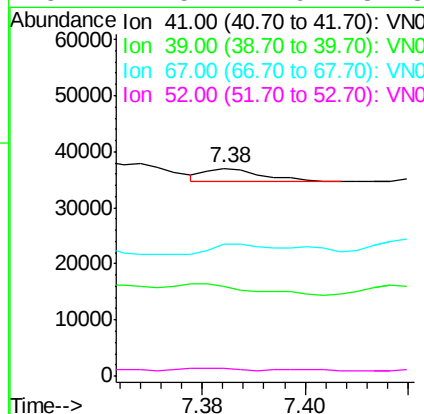
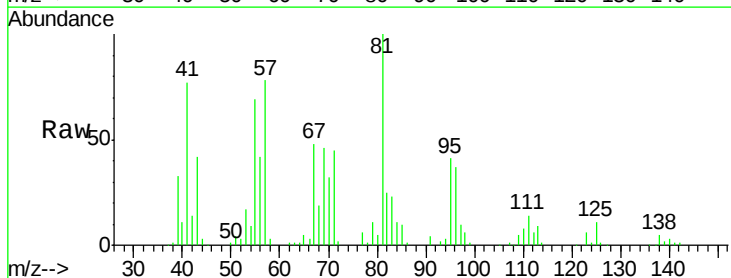
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

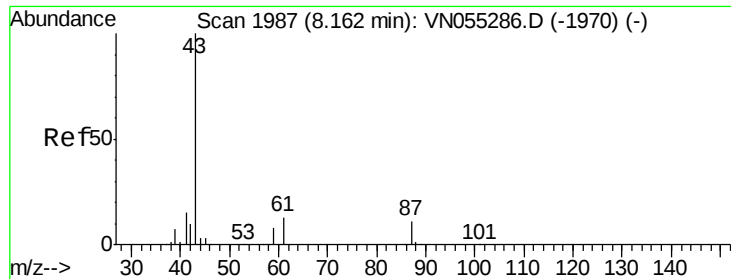
Tot Ion: 83 Resp: 19734
Ion Ratio Lower Upper
83 100
55 274.7 67.8 101.6#
98 70.4 36.2 54.4#



#41
Methacrylonitrile
Concen: 1.352 ug/l
RT: 7.38 min Scan# 1745
Delta R.T. 0.21 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion: 41 Resp: 1790
Ion Ratio Lower Upper
41 100
39 107.4 48.5 72.7#
67 126.4 54.9 82.3#
52 12.5 24.9 37.3#





#43

Isopropyl Acetate

Concen: 3.337 ug/l

RT: 8.18 min Scan# 1993

Delta R.T. 0.02 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

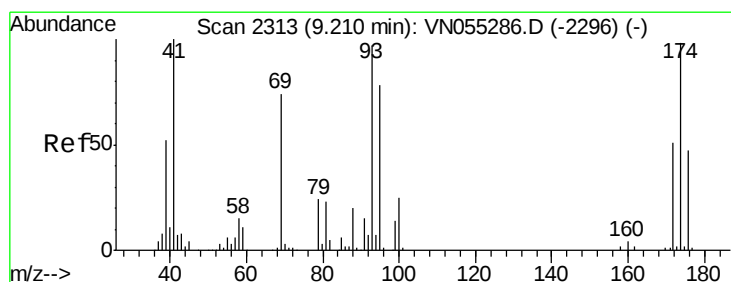
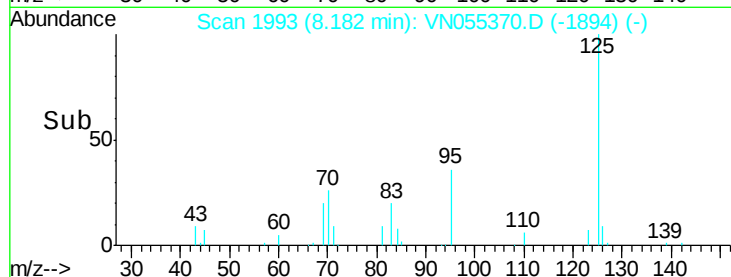
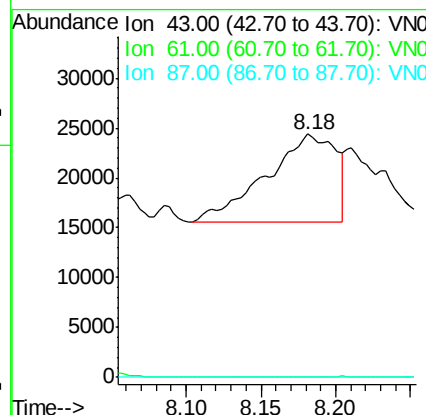
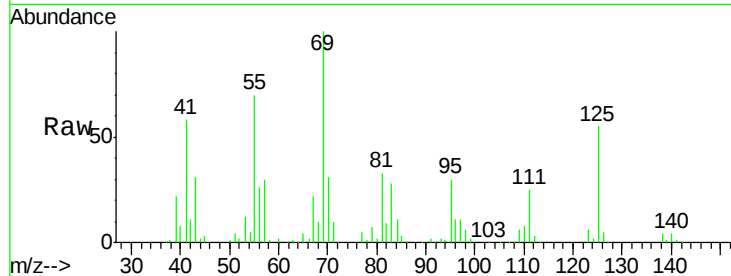
Tot Ion: 43 Resp: 28533

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 8.5 12.7#



#46

Dibromomethane

Concen: 0.309 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.03 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

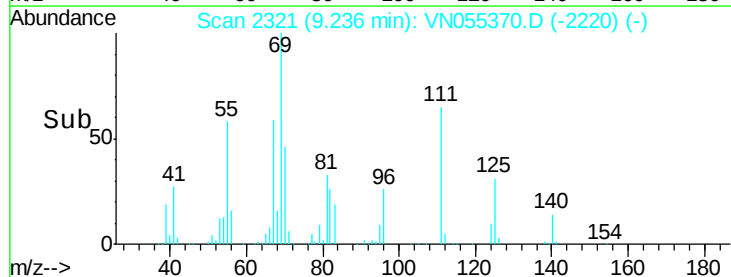
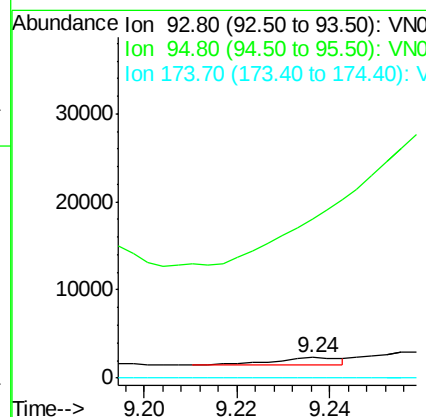
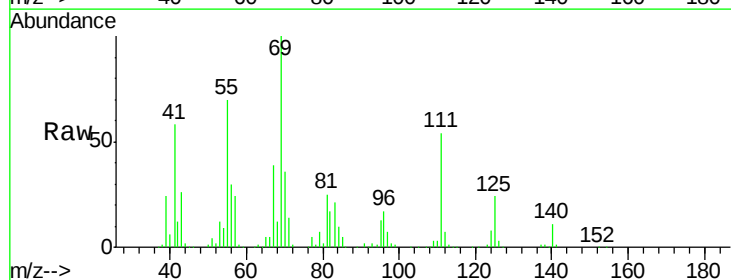
Tgt Ion: 93 Resp: 996

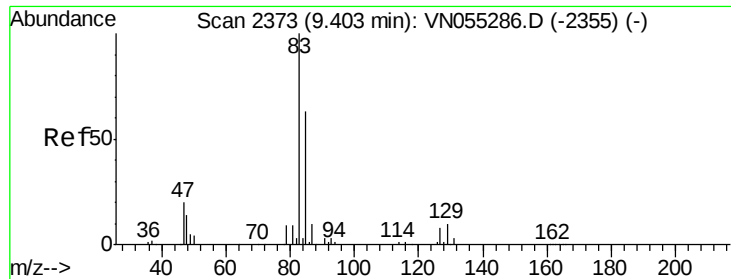
Ion Ratio Lower Upper

93 100

95 0.0 65.7 98.5#

174 0.0 81.5 122.3#





#47

Bromodichloromethane

Concen: 16.484 ug/l

RT: 9.47 min Scan# 2393

Delta R.T. 0.06 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

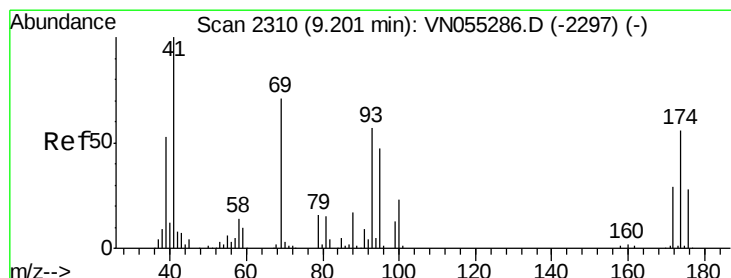
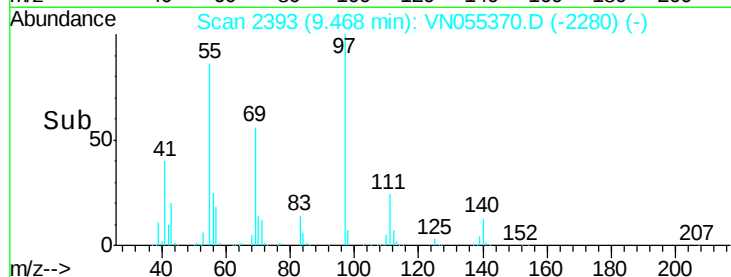
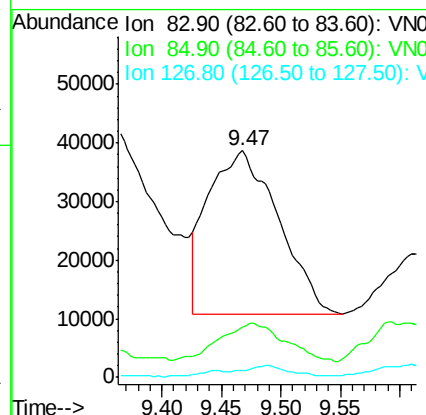
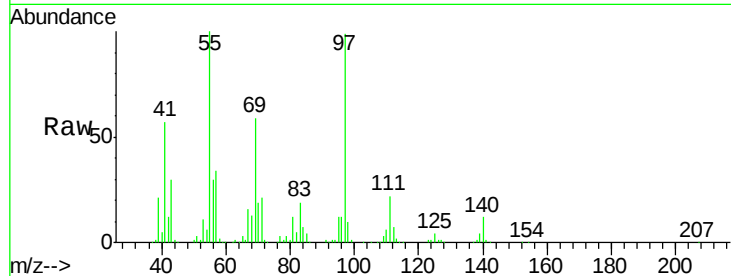
Tot Ion: 83 Resp: 114072

Ion Ratio Lower Upper

83 100

85 19.4 50.1 75.1#

127 3.2 6.7 10.1#



#48

Methyl methacrylate

Concen: 383.727 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.10 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

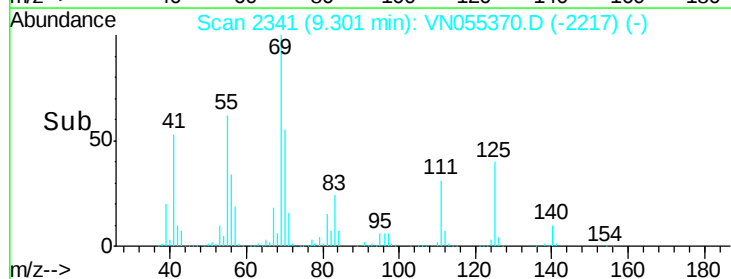
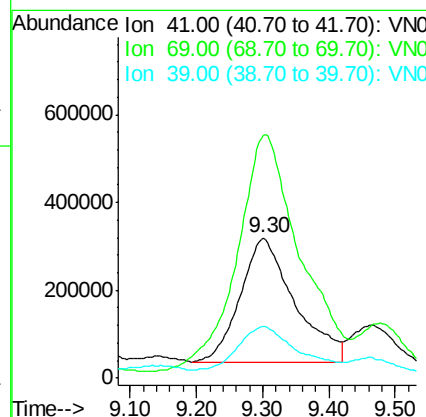
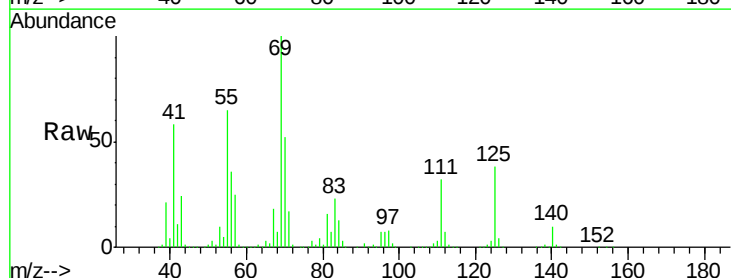
Tgt Ion: 41 Resp: 1612737

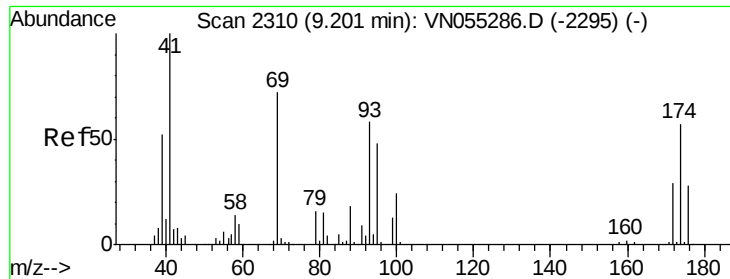
Ion Ratio Lower Upper

41 100

69 221.7 58.6 87.8#

39 36.8 43.8 65.6#





#49

1,4-Dioxane

Concen: 1.427 ug/l

RT: 9.28 min Scan# 2335

Delta R.T. 0.08 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

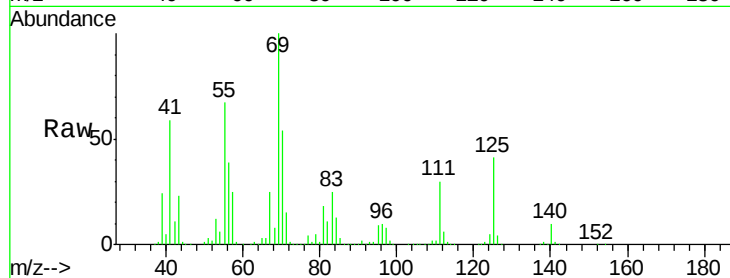
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 33.3 49.9#

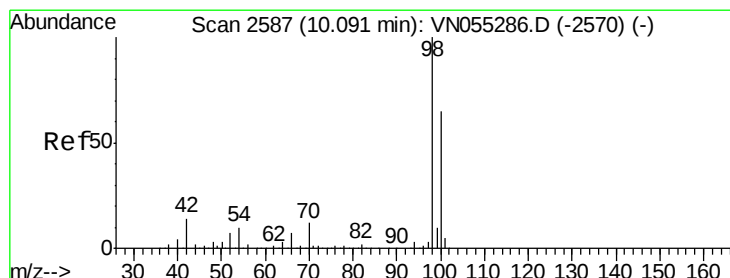
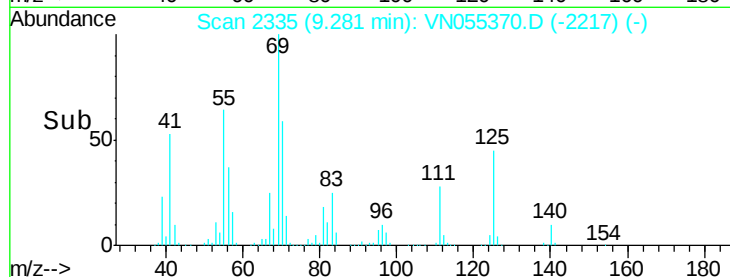
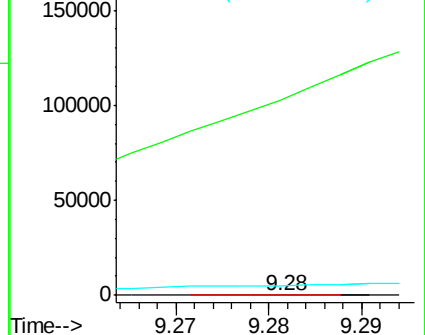
58 22182.3 62.7 94.1#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.319 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055370.D

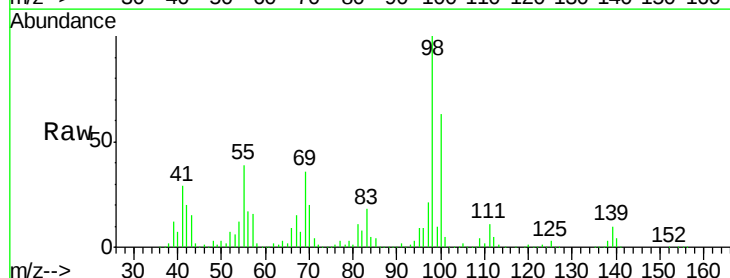
Acq: 3 May 2019 1:32

Tgt Ion: 98 Resp: 829878

Ion Ratio Lower Upper

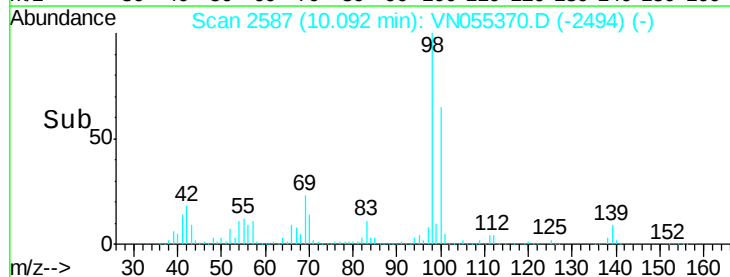
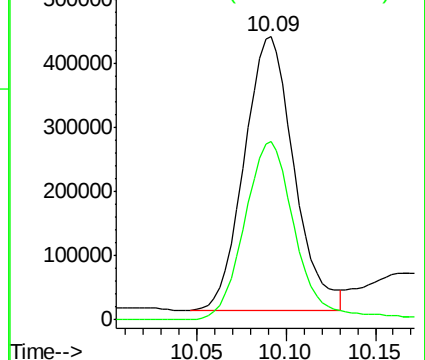
98 100

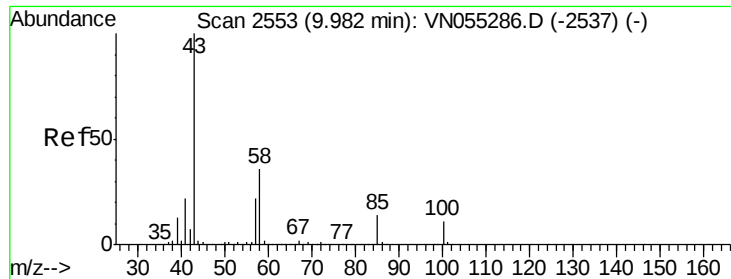
100 67.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 15.531 ug/l

RT: 10.02 min Scan# 2564

Delta R.T. 0.04 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

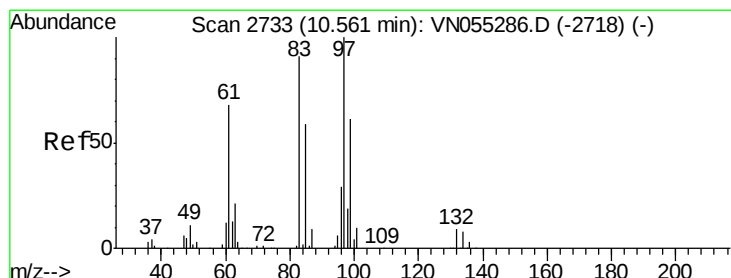
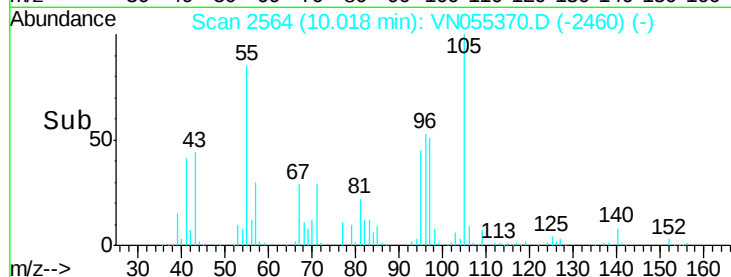
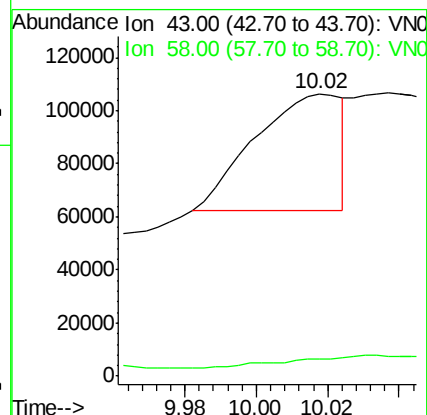
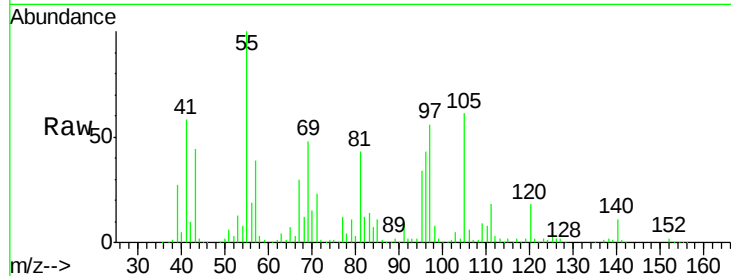
EP1-SB-E3-4(17-20)

Tot Ion: 43 Resp: 74755

Ion Ratio Lower Upper

43 100

58 12.8 28.5 42.7#



#55

1,1,2-Trichloroethane

Concen: 80.434 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Tgt Ion: 97 Resp: 350670

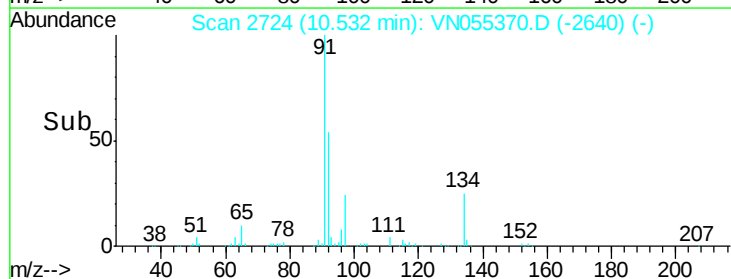
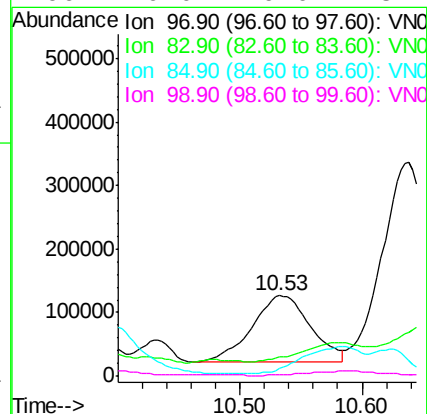
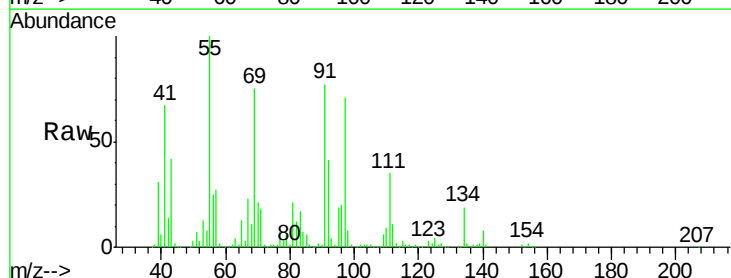
Ion Ratio Lower Upper

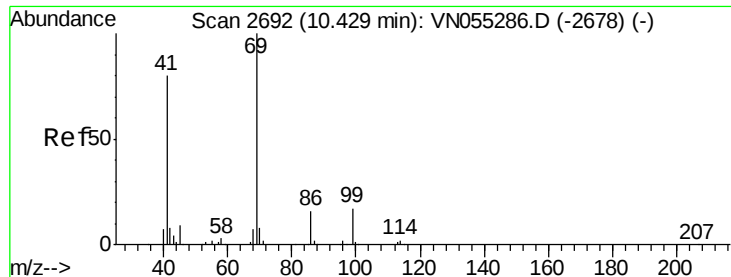
97 100

83 8.0 72.8 109.2#

85 4.4 47.0 70.6#

99 0.0 49.0 73.4#





#56

Ethyl methacrylate

Concen: 107.035 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.06 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

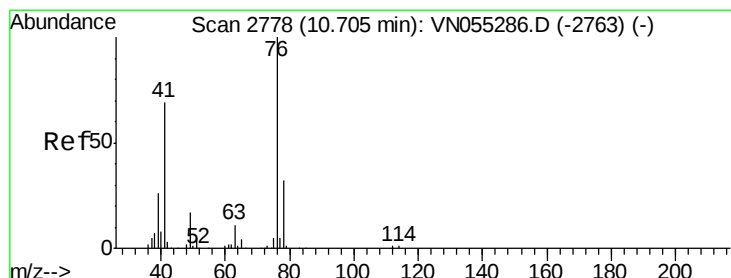
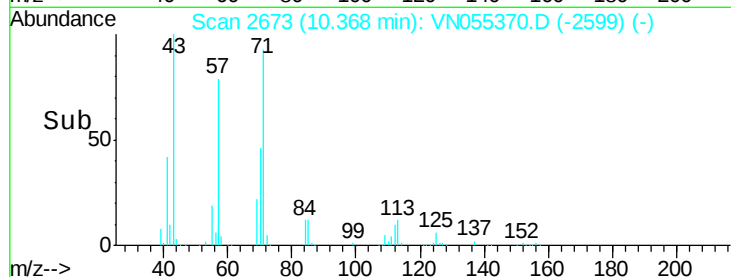
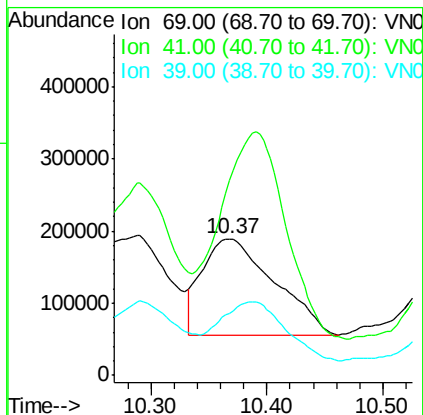
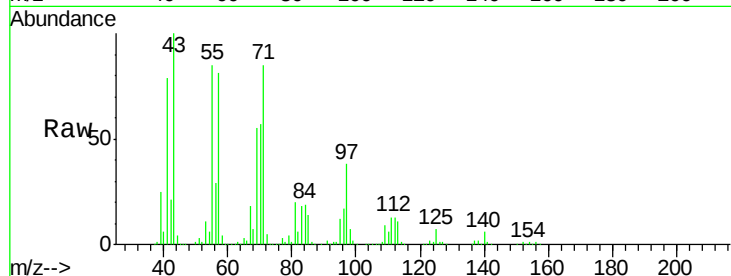
Tot Ion: 69 Resp: 574362

Ion Ratio Lower Upper

69 100

41 0.0 62.7 94.1#

39 0.0 32.0 48.0#



#57

1,3-Dichloropropane

Concen: 1.615 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.09 min

Lab File: VN055370.D

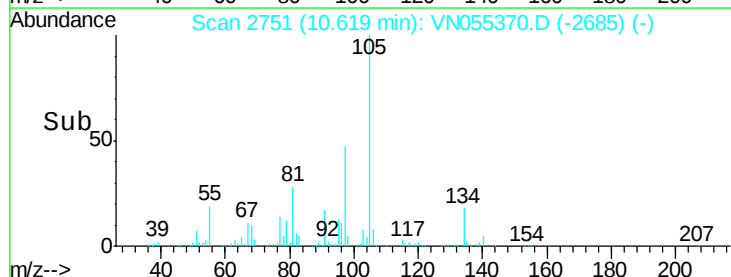
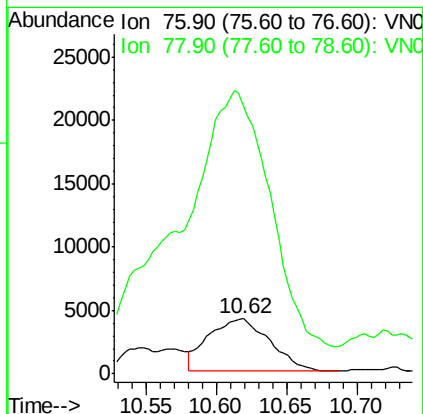
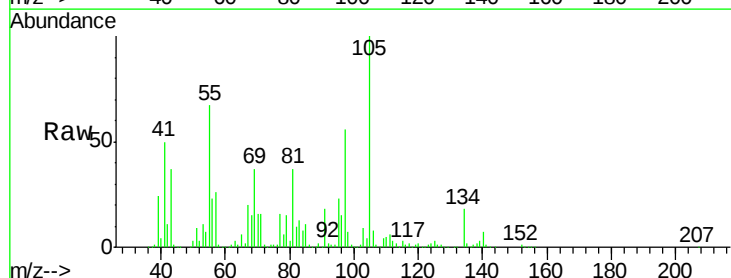
Acq: 3 May 2019 1:32

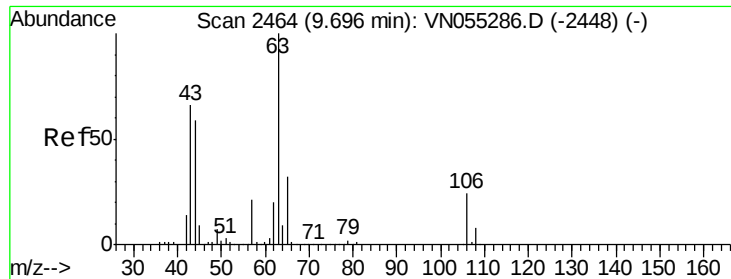
Tgt Ion: 76 Resp: 12355

Ion Ratio Lower Upper

76 100

78 809.9 25.6 38.4#

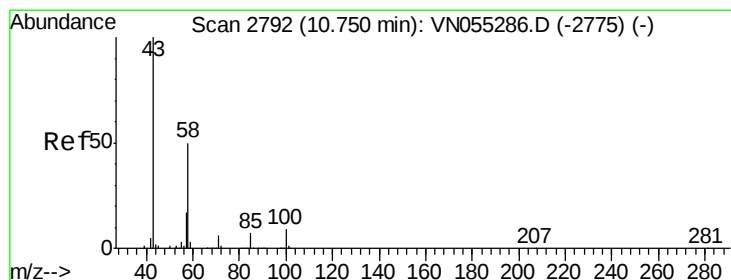
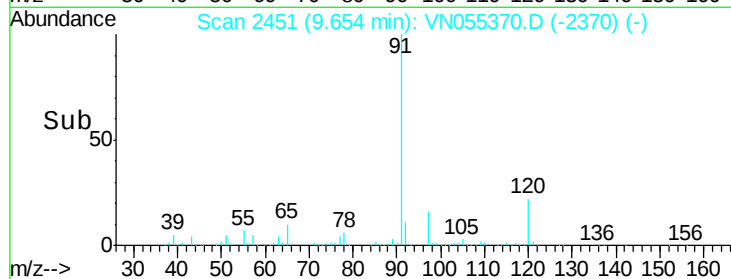
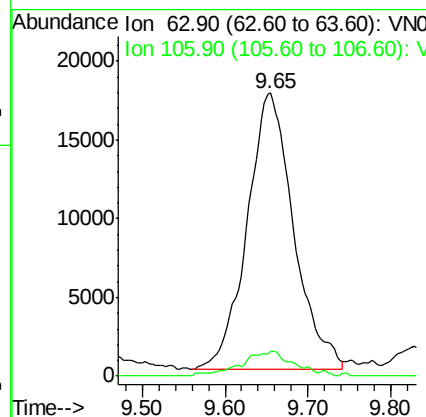
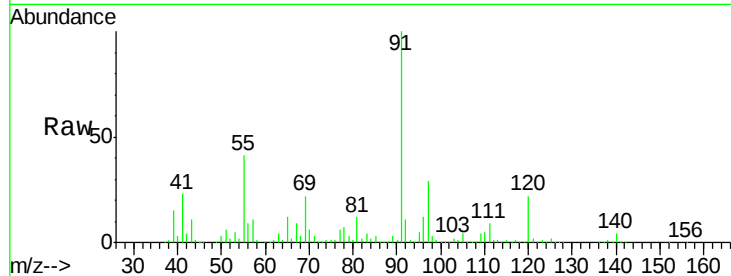




#58
 2-Chloroethyl Vinyl ether
 Concen: 51.683 ug/l
 RT: 9.65 min Scan# 2451
 Delta R.T. -0.04 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

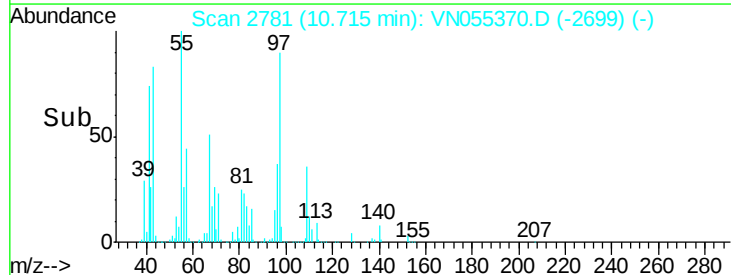
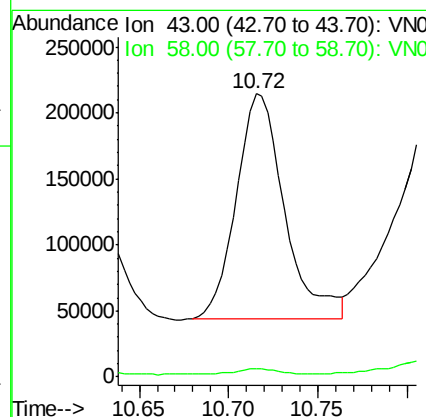
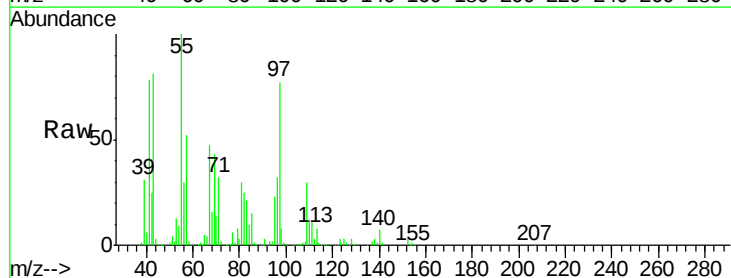
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

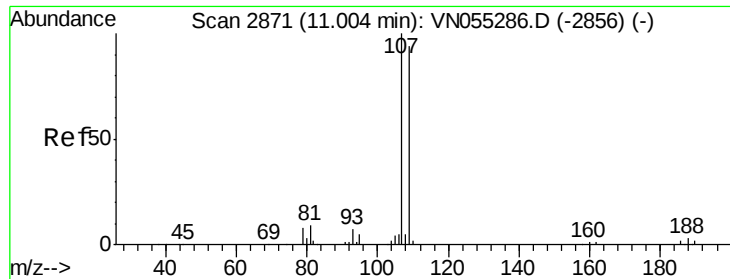
Tot Ion: 63 Resp: 68828
 Ion Ratio Lower Upper
 63 100
 106 3.7 19.0 28.4#



#59
 2-Hexanone
 Concen: 106.669 ug/l
 RT: 10.72 min Scan# 2781
 Delta R.T. -0.04 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

Tgt Ion: 43 Resp: 321249
 Ion Ratio Lower Upper
 43 100
 58 2.3 24.9 74.6#

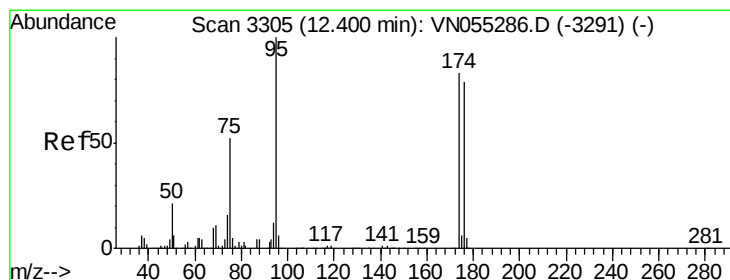
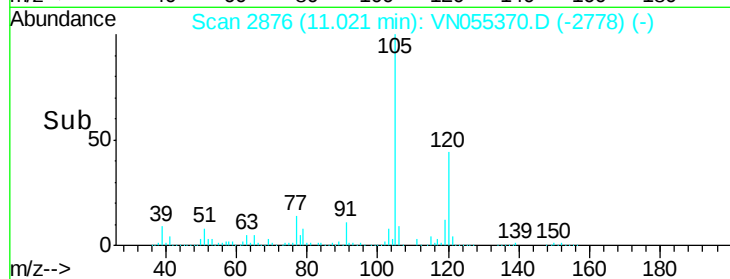
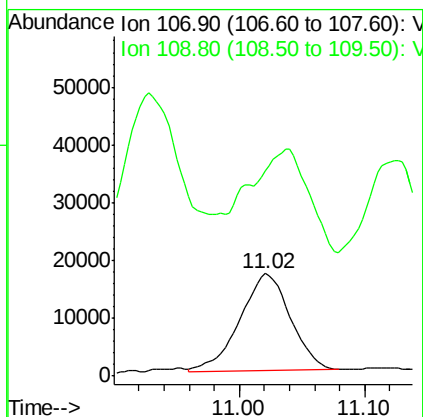
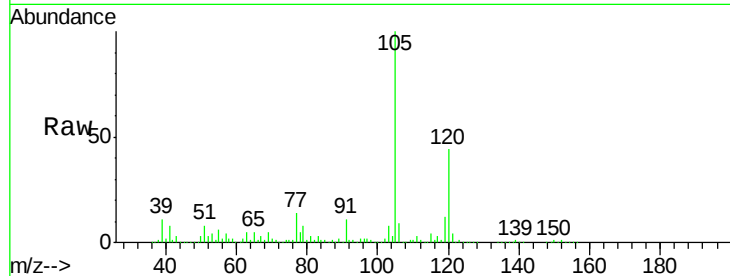




#61
 1,2-Dibromoethane
 Concen: 11.642 ug/l
 RT: 11.02 min Scan# 2876
 Delta R.T. 0.02 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

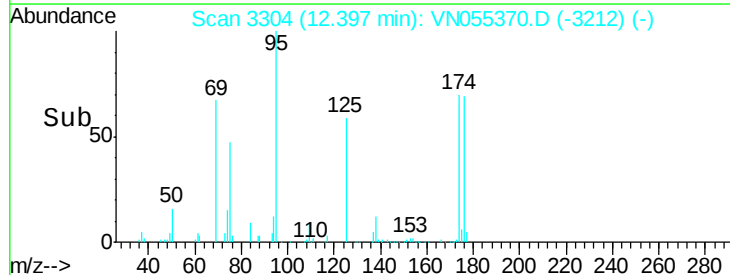
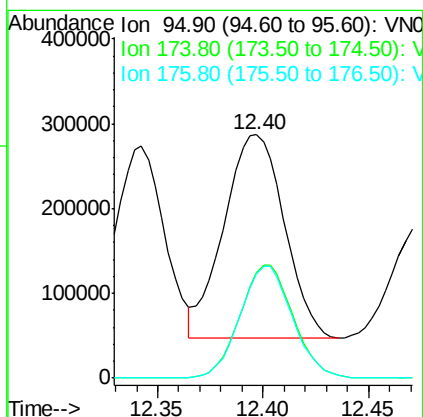
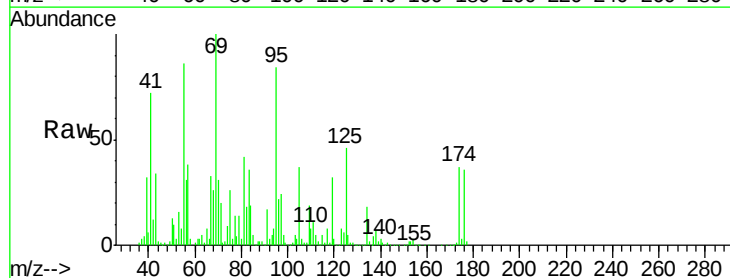
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

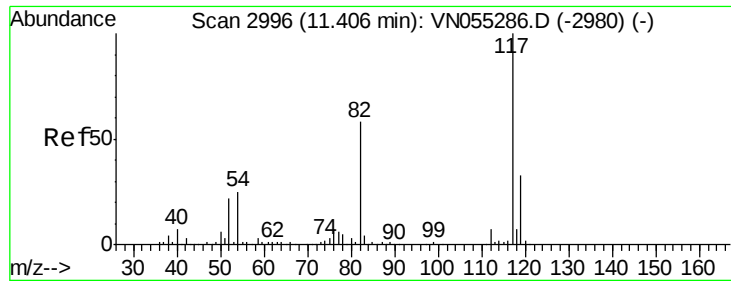
Tot Ion: 107 Resp: 46914
 Ion Ratio Lower Upper
 107 100
 109 118.4 75.0 112.6#



#62
 4-Bromofluorobenzene
 Concen: 88.859 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

Tgt Ion: 95 Resp: 476978
 Ion Ratio Lower Upper
 95 100
 174 49.1 0.0 166.6
 176 48.1 0.0 157.8

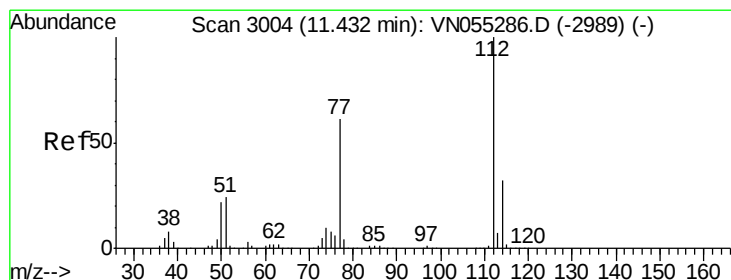
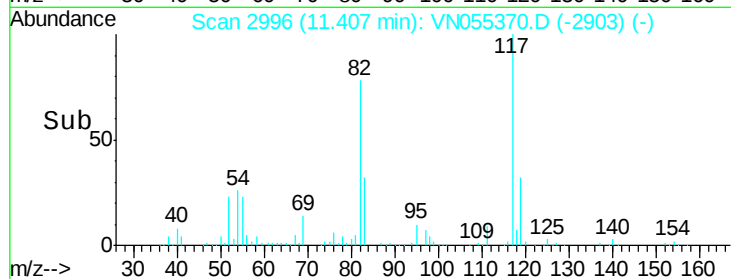
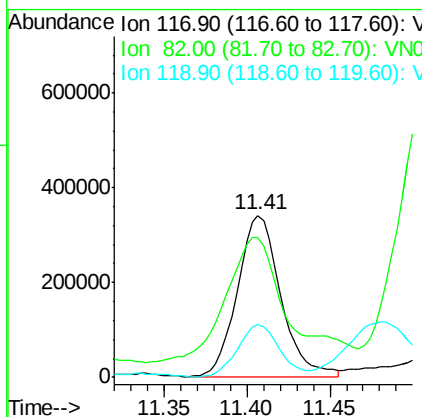
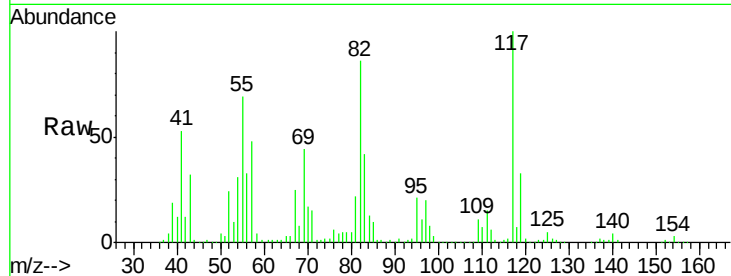




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

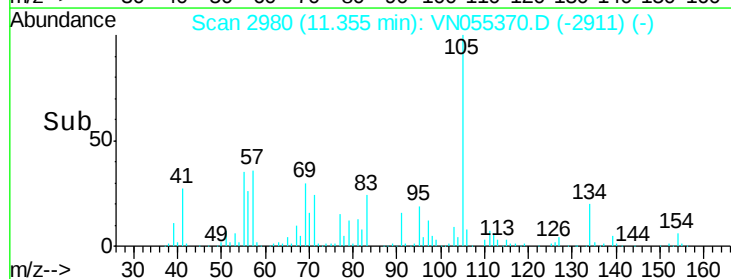
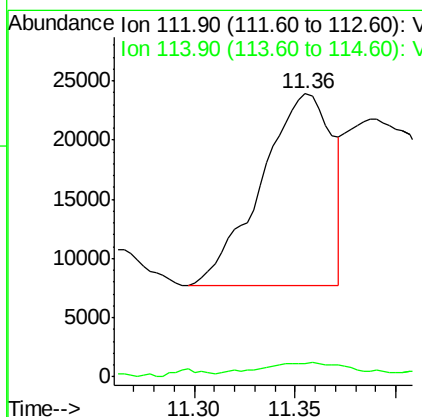
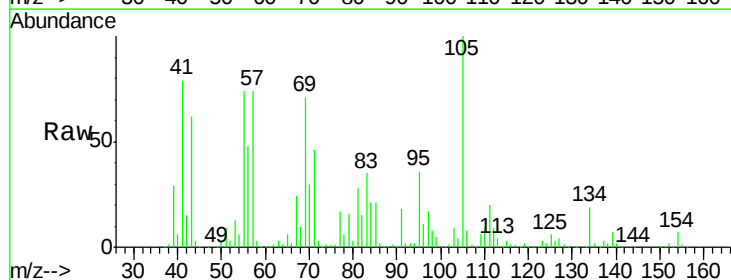
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

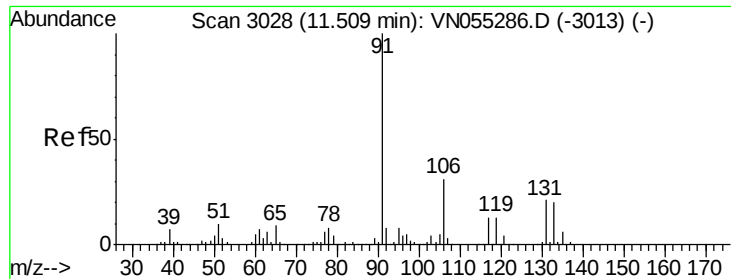
Tot Ion:117 Resp: 614545
Ion Ratio Lower Upper
117 100
82 71.9 46.2 69.4#
119 32.3 26.6 40.0



#65
Chlorobenzene
Concen: 3.320 ug/l
RT: 11.36 min Scan# 2980
Delta R.T. -0.08 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion:112 Resp: 39885
Ion Ratio Lower Upper
112 100
114 2.7 25.3 37.9#

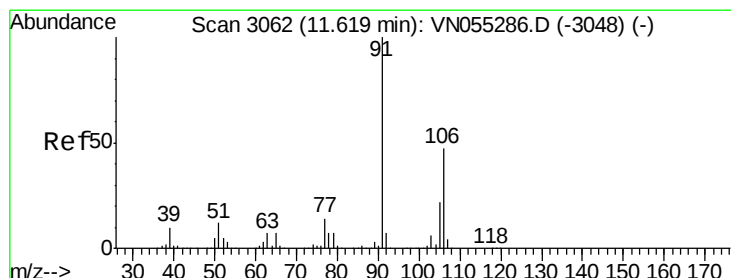
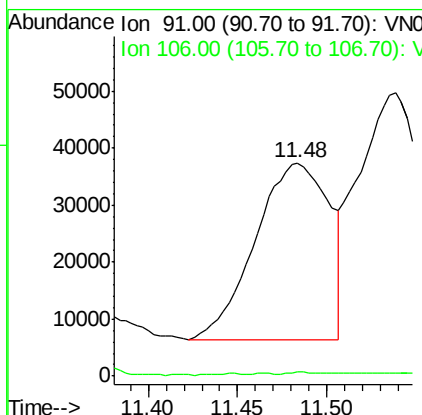
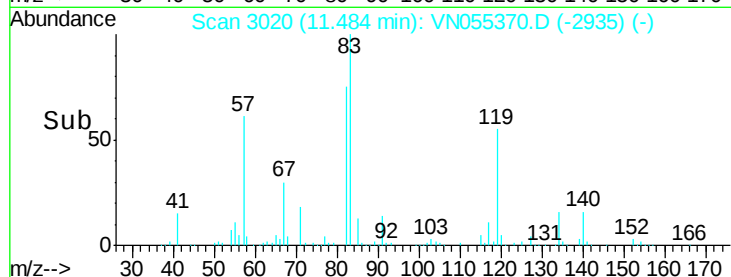
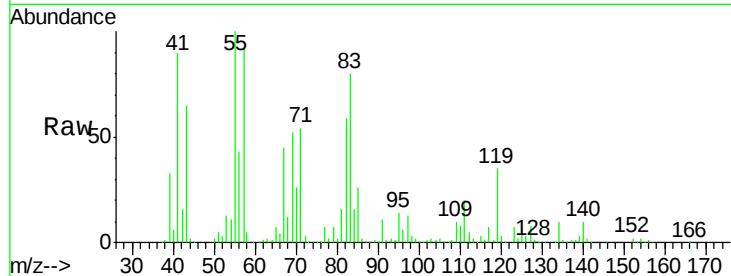




#67
Ethyl Benzene
Concen: 4.110 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.03 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

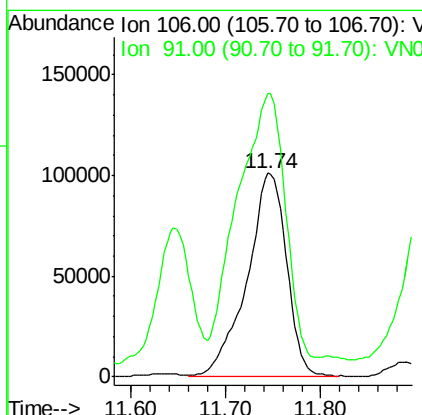
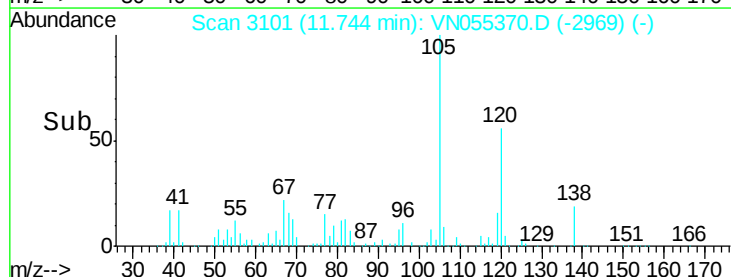
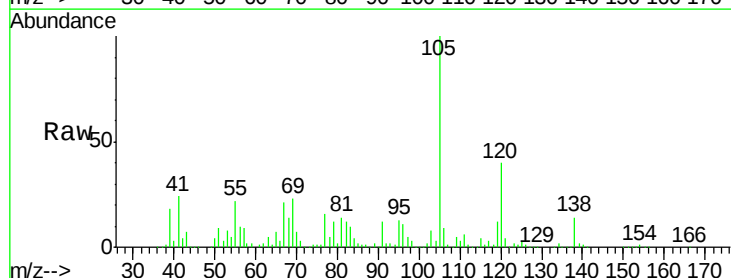
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

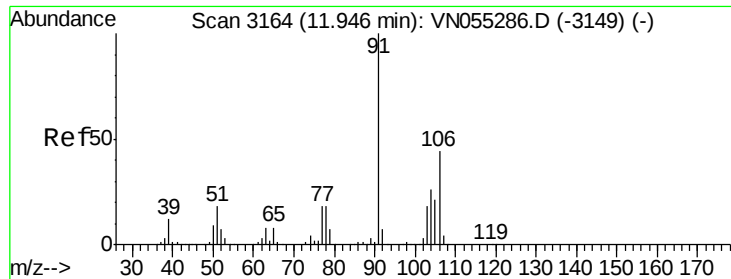
Tot Ion: 91 Resp: 89164
Ion Ratio Lower Upper
91 100
106 1.4 24.6 36.8#



#68
m/p-Xylenes
Concen: 37.595 ug/l
RT: 11.74 min Scan# 3101
Delta R.T. 0.13 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion: 106 Resp: 291159
Ion Ratio Lower Upper
106 100
91 156.6 169.5 254.3#

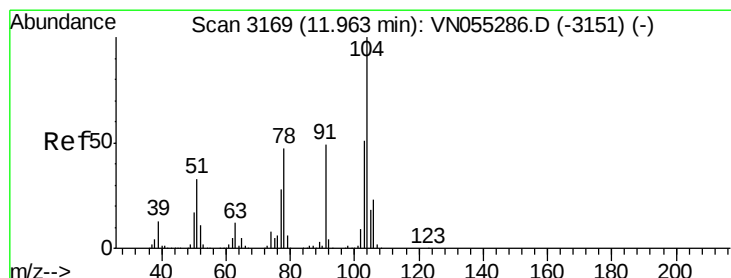
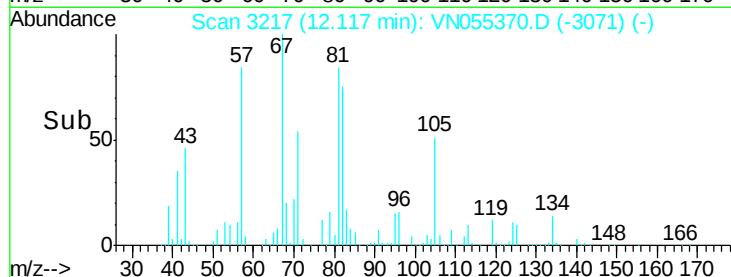
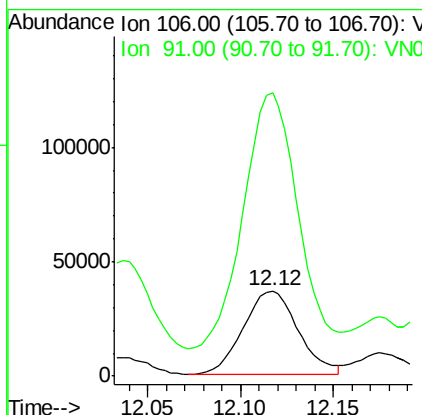
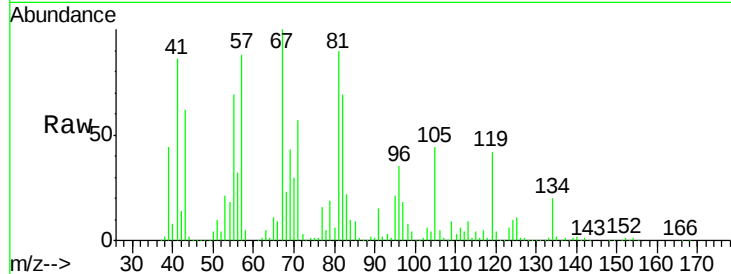




#69
o-Xylene
Concen: 9.771 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. 0.17 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

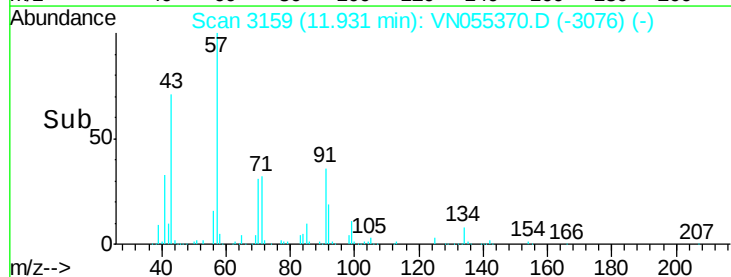
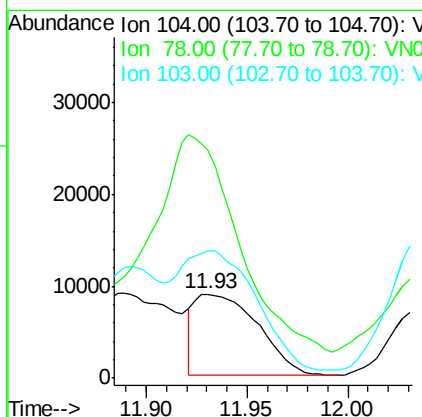
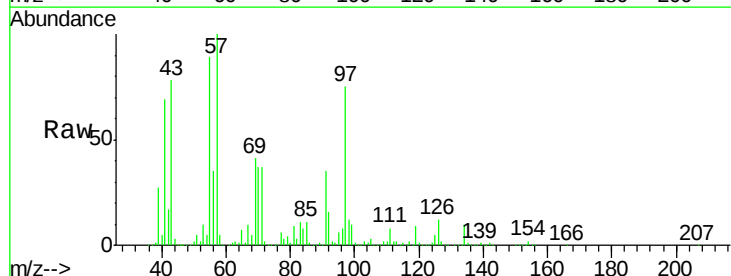
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

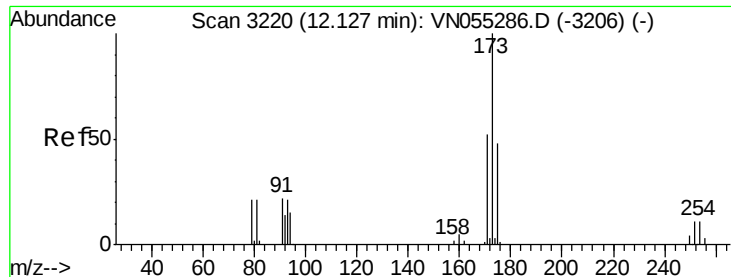
Tot Ion:106 Resp: 75003
Ion Ratio Lower Upper
106 100
91 302.2 111.5 334.5



#70
Styrene
Concen: 1.626 ug/l
RT: 11.93 min Scan# 3159
Delta R.T. -0.03 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion:104 Resp: 19168
Ion Ratio Lower Upper
104 100
78 406.8 42.2 63.2#
103 0.0 44.6 67.0#





#71

Bromoform

Concen: 0.719 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

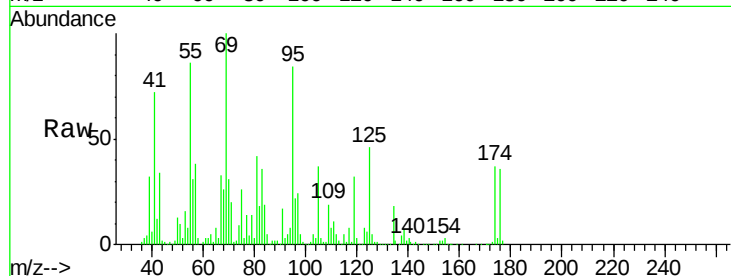
Tot Ion:173 Resp: 1877

Ion Ratio Lower Upper

173 100

175 832.5 23.6 71.0#

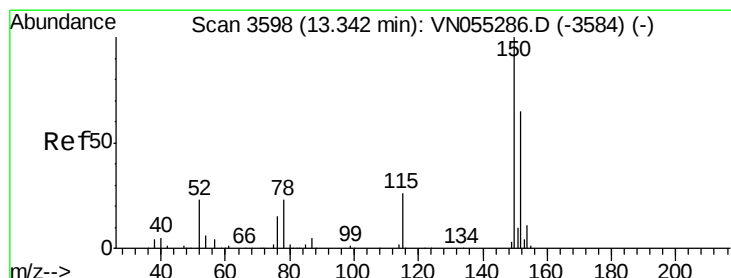
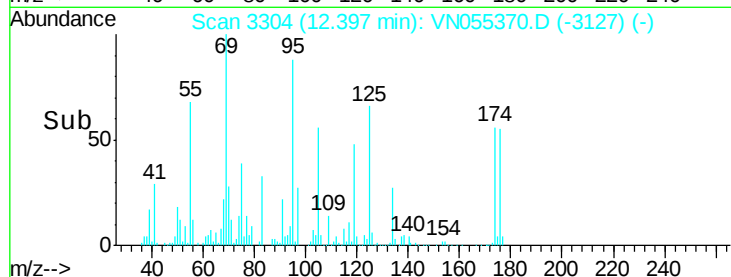
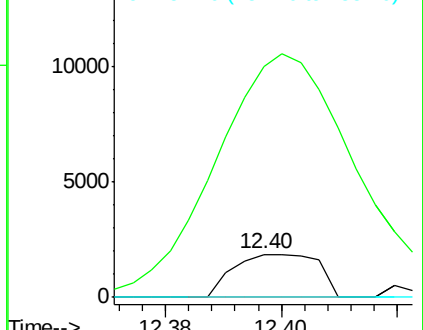
254 0.0 0.0 0.0



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: VN055370.D

Acq: 3 May 2019 1:32

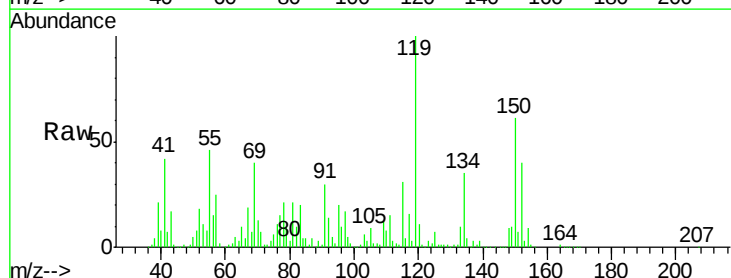
Tgt Ion:152 Resp: 299354

Ion Ratio Lower Upper

152 100

115 72.9 29.0 87.0

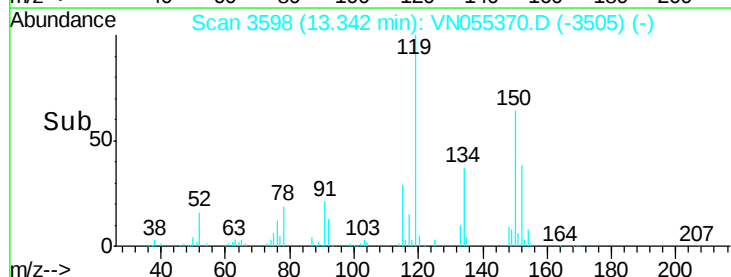
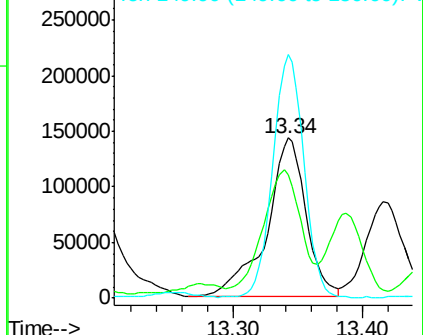
150 122.1 0.0 345.6

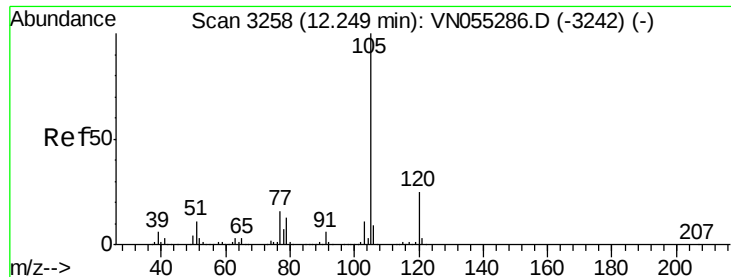


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 103.061 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.01 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

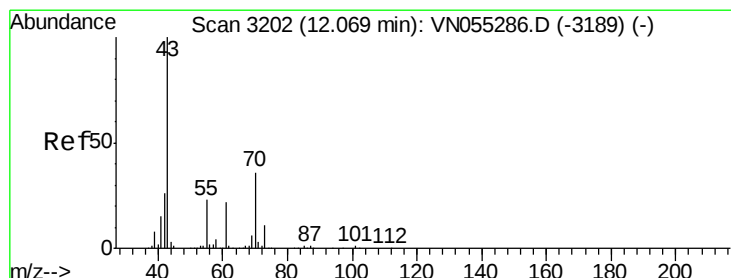
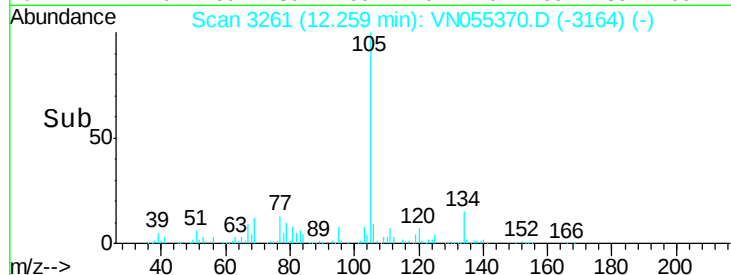
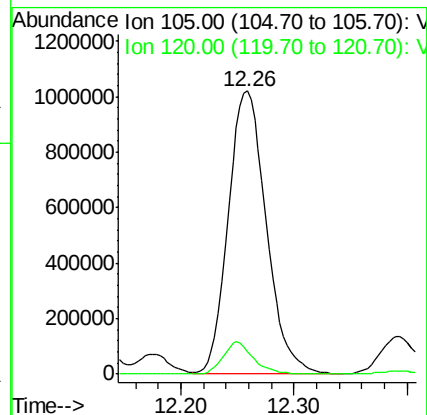
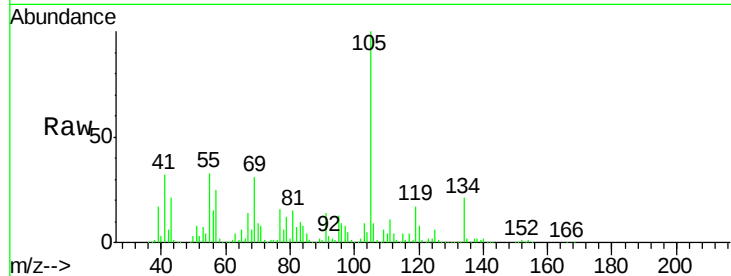
EP1-SB-E3-4(17-20)

Tot Ion:105 Resp: 2374933

Ion Ratio Lower Upper

105 100

120 9.2 12.9 38.7#



#74

N-ethyl acetate

Concen: 207.418 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Tgt Ion: 43 Resp: 1593500

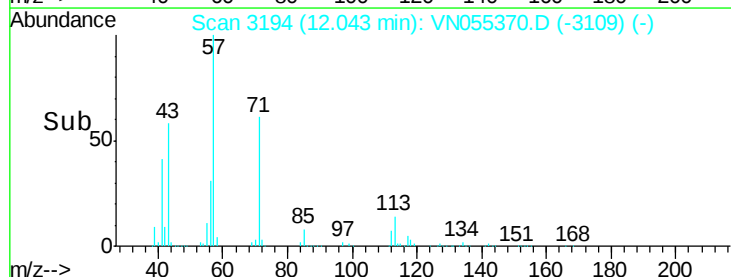
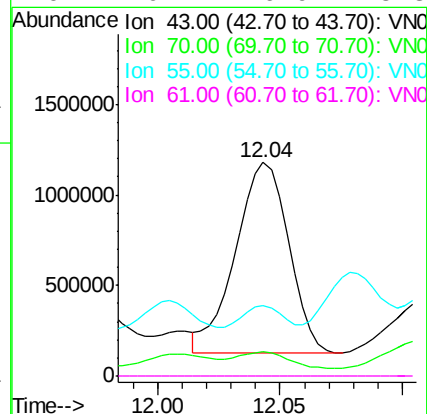
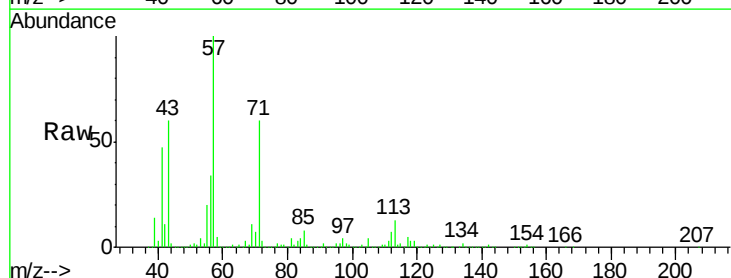
Ion Ratio Lower Upper

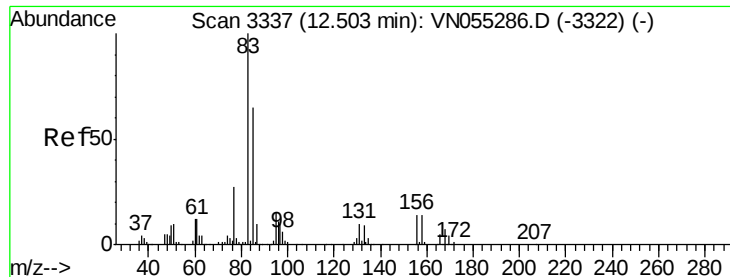
43 100

70 7.8 27.9 41.9#

55 7.5 18.2 27.2#

61 0.1 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 50.236 ug/l

RT: 12.46 min Scan# 3325

Delta R.T. -0.04 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

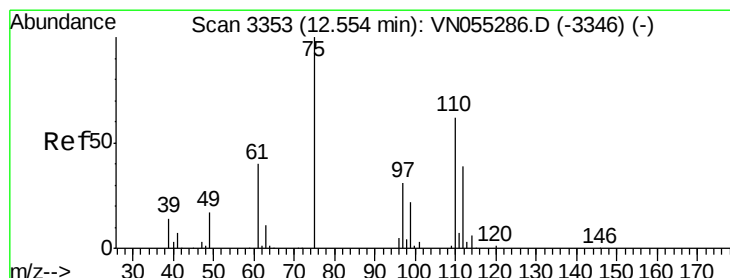
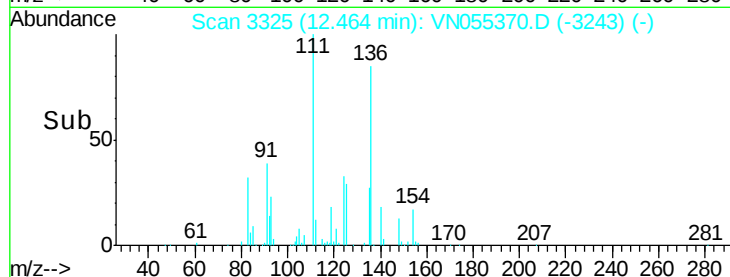
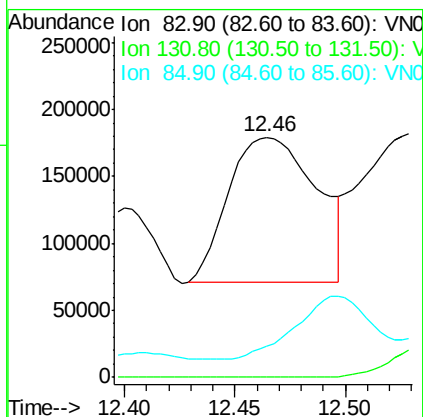
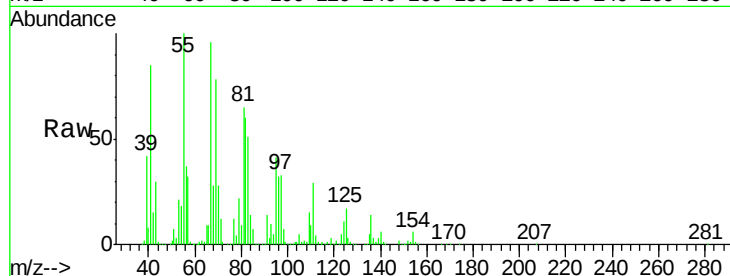
Tot Ion: 83 Resp: 297874

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 0.559 ug/l

RT: 12.54 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VN055370.D

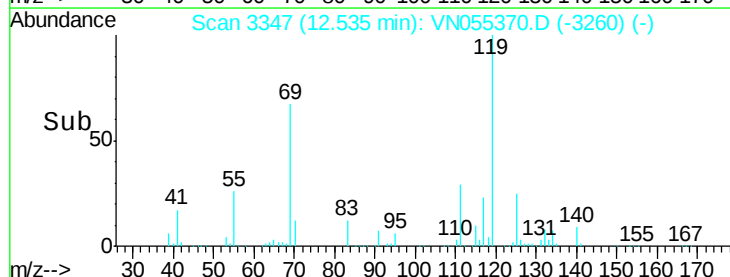
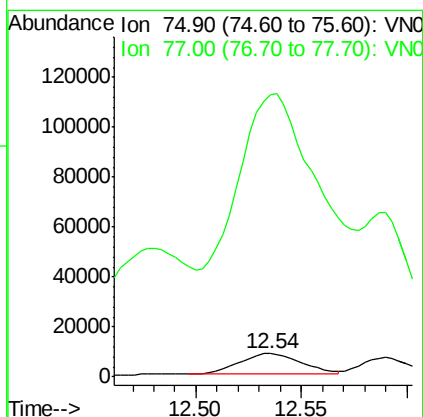
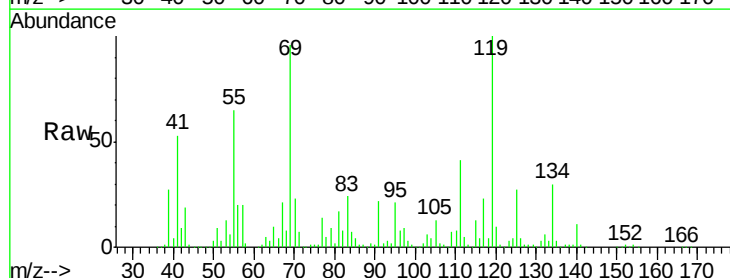
Acq: 3 May 2019 1:32

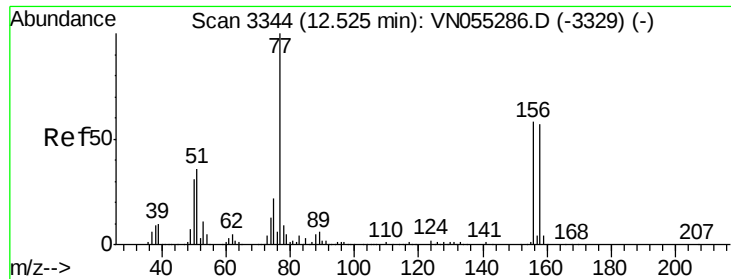
Tgt Ion: 75 Resp: 16963

Ion Ratio Lower Upper

75 100

77 975.4 0.0 0.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.03 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

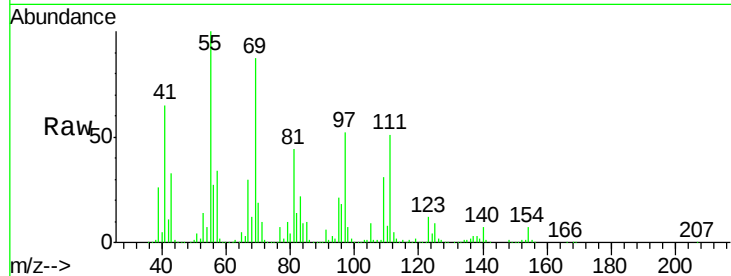
Tot Ion:156 Resp: 1868

Ion Ratio Lower Upper

156 100

77 5093.3 99.6 298.8#

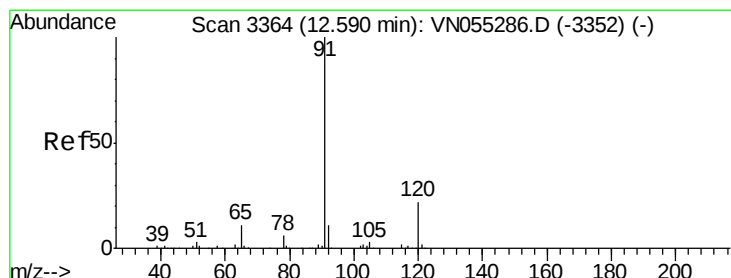
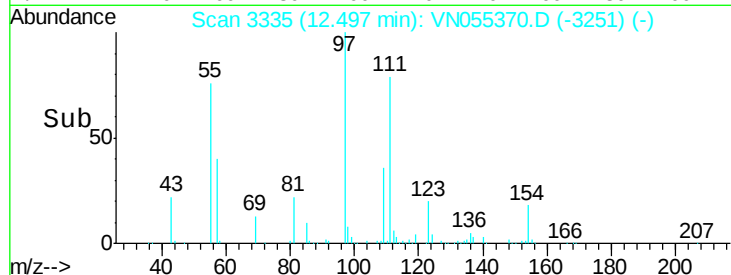
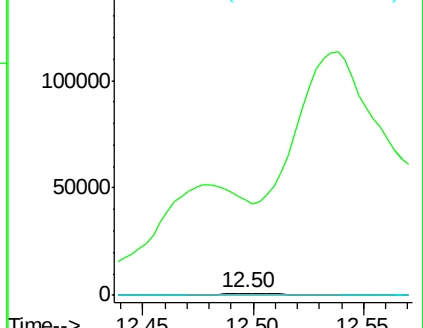
158 0.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 64.120 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055370.D

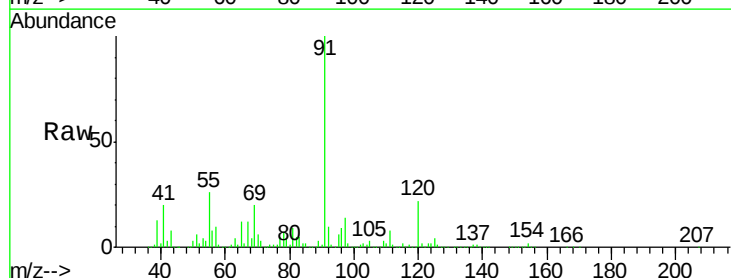
Acq: 3 May 2019 1:32

Tgt Ion: 91 Resp: 1971680

Ion Ratio Lower Upper

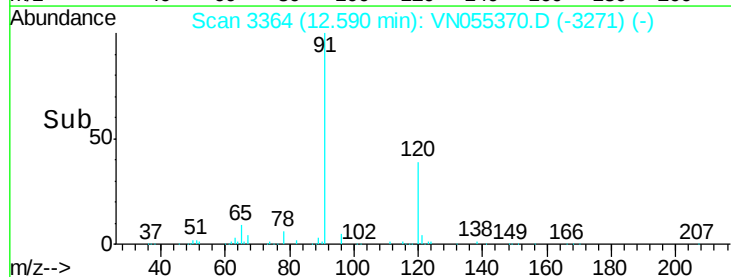
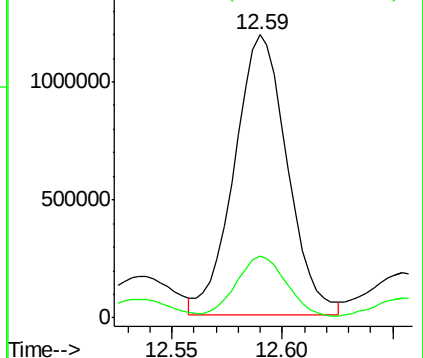
91 100

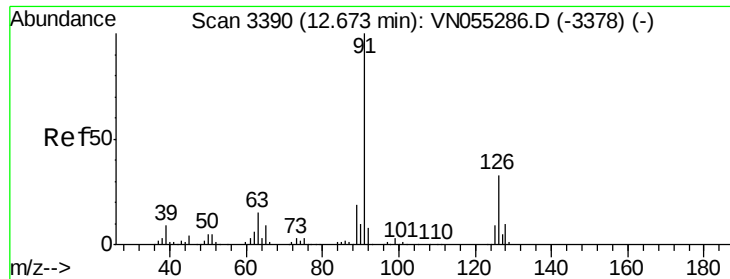
120 21.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

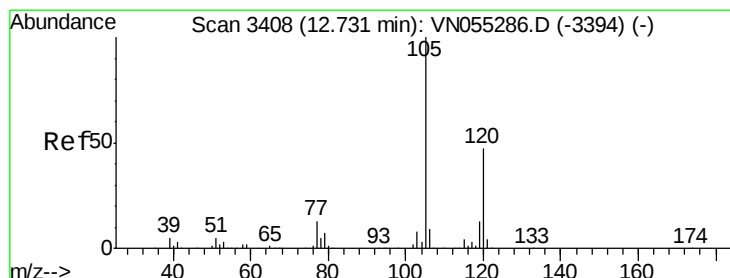
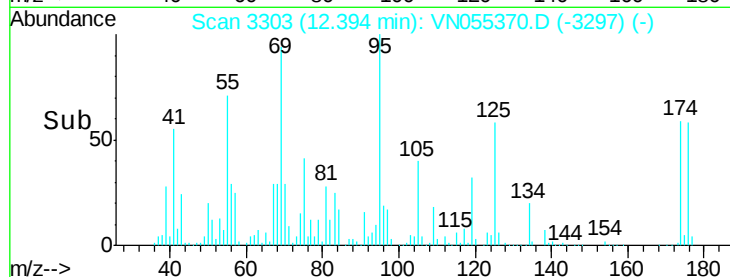
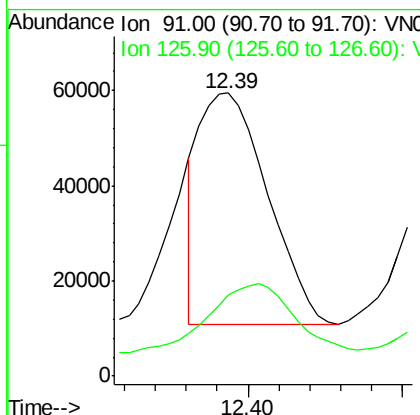
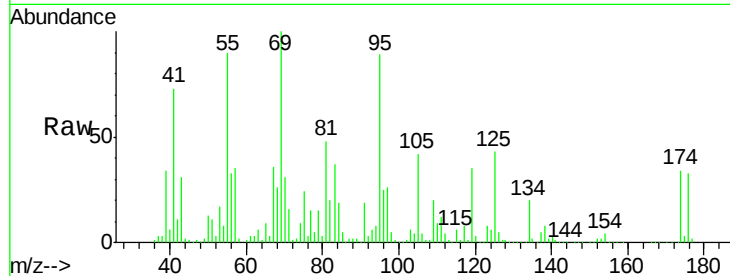




#79
 2-Chlorotoluene
 Concen: 2.018 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.28 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

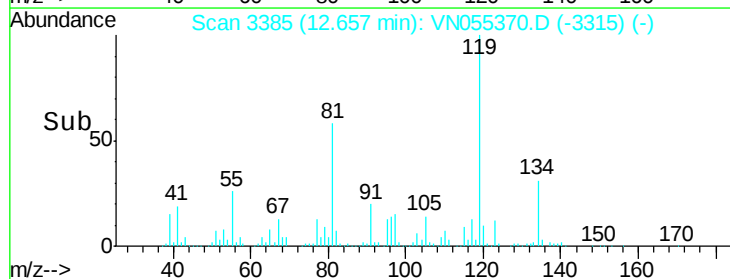
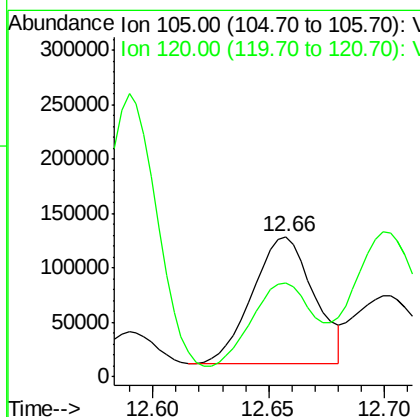
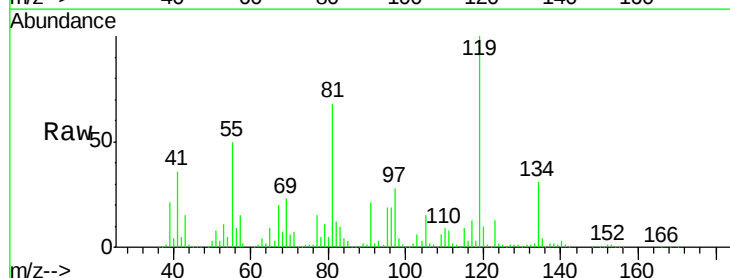
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

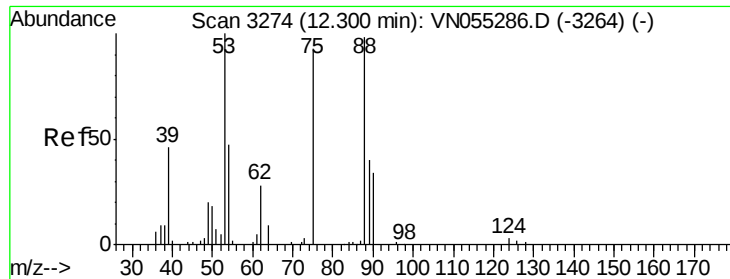
Tot Ion: 91.00 Resp: 74187
 Ion Ratio Lower Upper
 91 100
 126 31.5 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 9.271 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.07 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

Tgt Ion: 105 Resp: 217567
 Ion Ratio Lower Upper
 105 100
 120 69.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.382 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

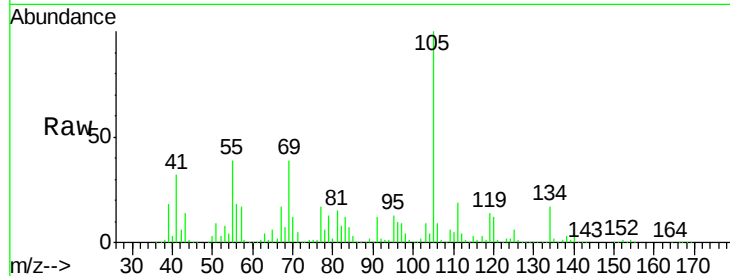
Tot Ion: 75 Resp: 29037

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

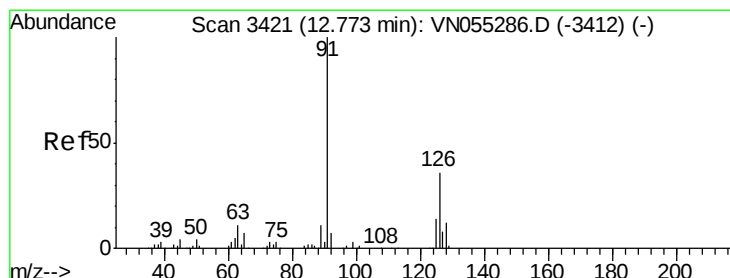
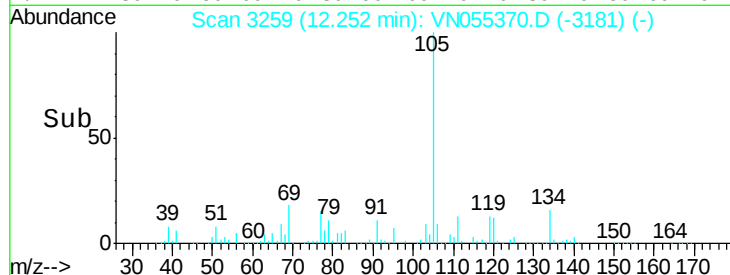
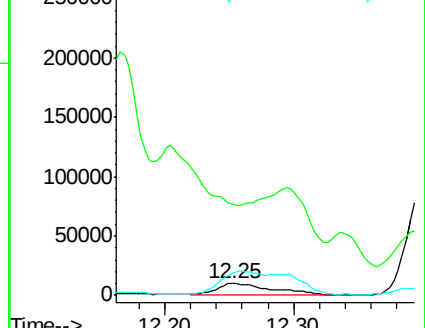
89 140.6 34.6 51.8#



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: 5.276 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.01 min

Lab File: VN055370.D

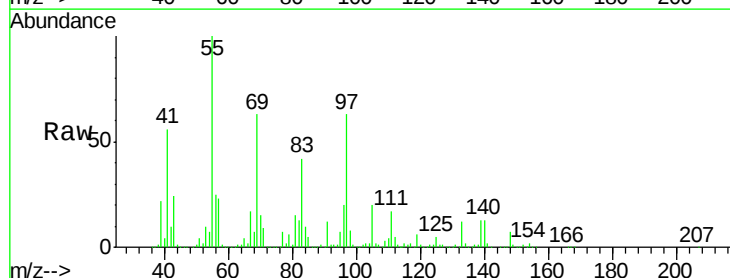
Acq: 3 May 2019 1:32

Tgt Ion: 91 Resp: 94336

Ion Ratio Lower Upper

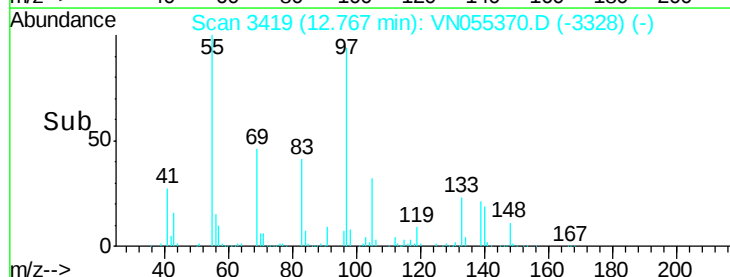
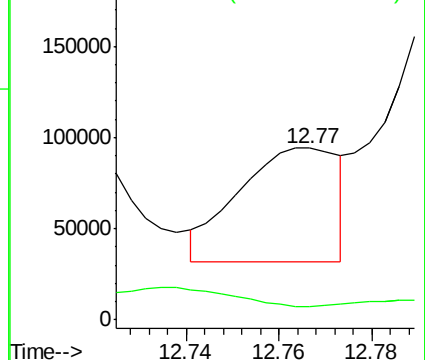
91 100

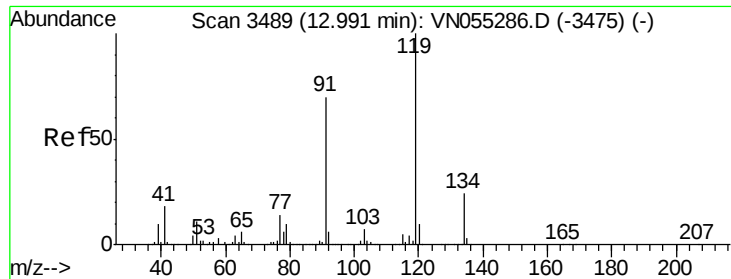
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

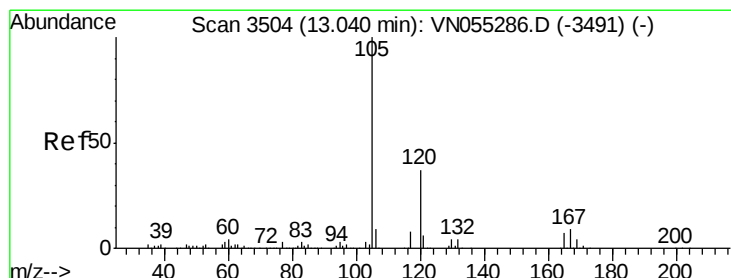
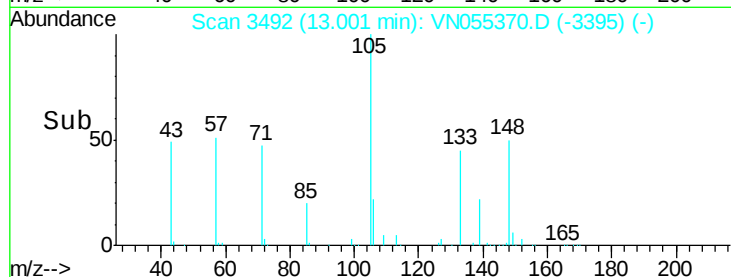
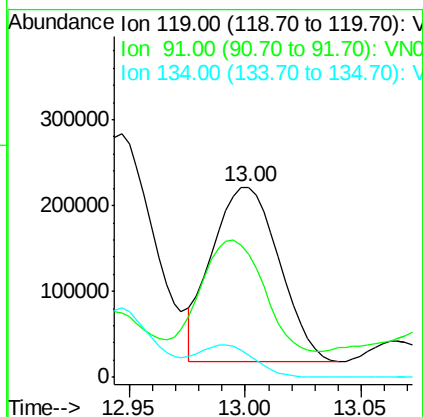
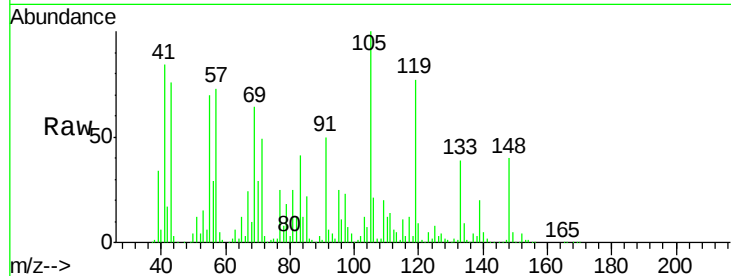




#83
tert-Butylbenzene
Concen: 23.085 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

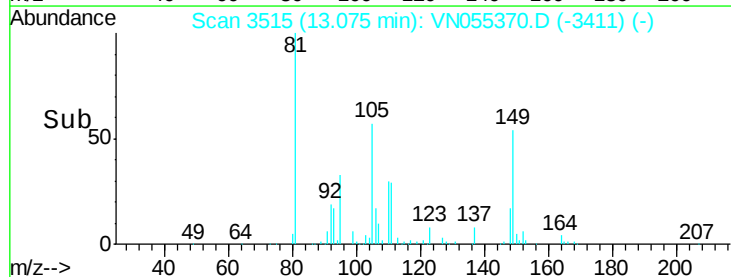
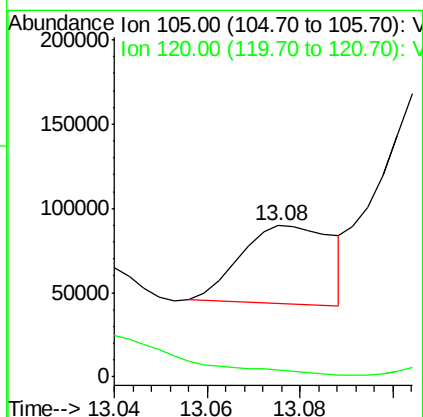
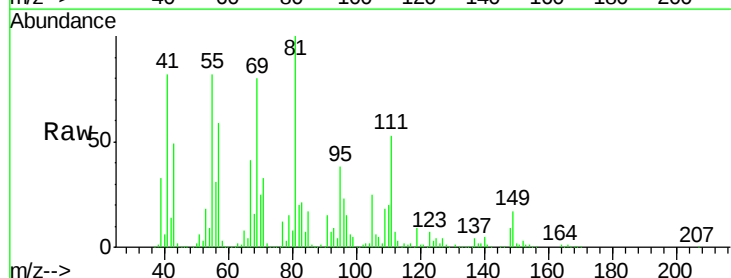
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

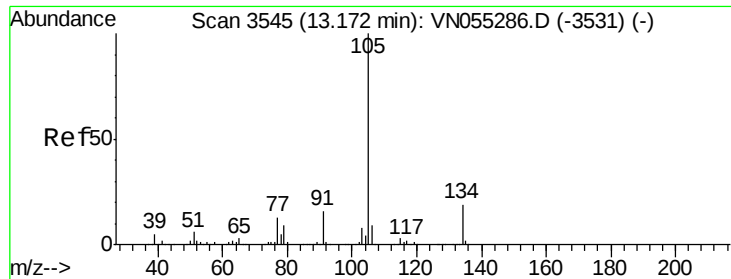
Tot Ion:119 Resp: 409498
Ion Ratio Lower Upper
119 100
91 59.0 34.3 102.9
134 14.9 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 3.085 ug/l
RT: 13.08 min Scan# 3515
Delta R.T. 0.04 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion:105 Resp: 64752
Ion Ratio Lower Upper
105 100
120 0.0 22.1 66.5#





#85

sec-Butylbenzene

Concen: 22.189 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.17 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

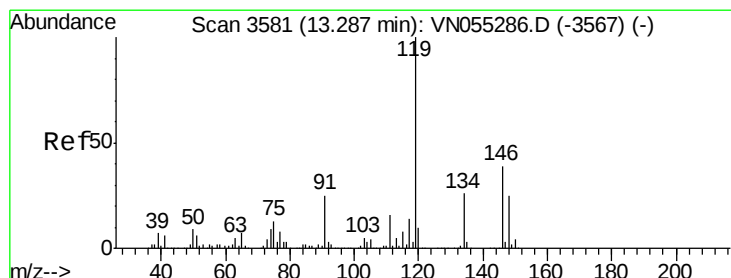
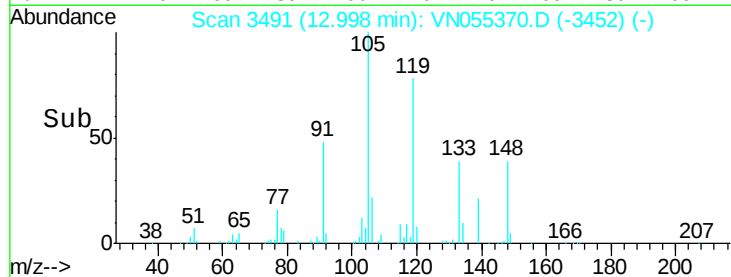
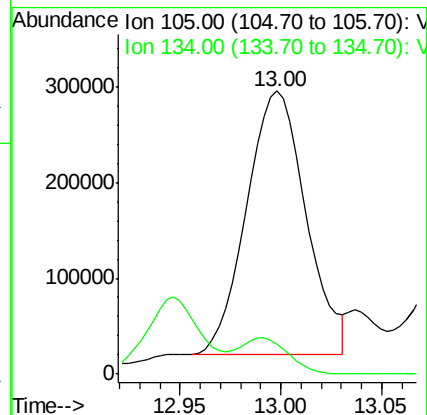
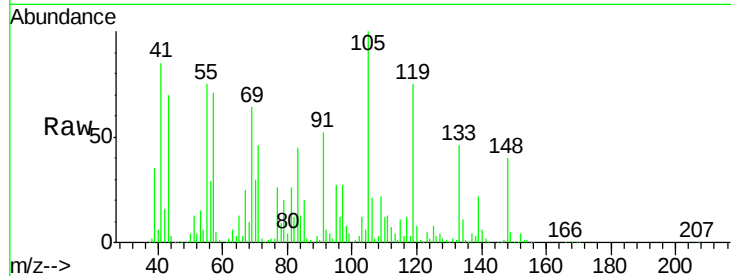
EP1-SB-E3-4(17-20)

Tot Ion:105 Resp: 566004

Ion Ratio Lower Upper

105 100

134 10.8 9.6 28.8



#86

p-Isopropyltoluene

Concen: 12.540 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

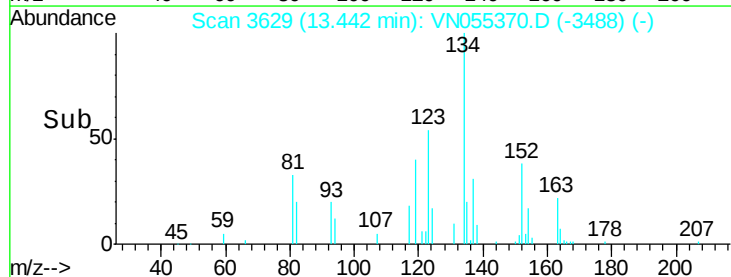
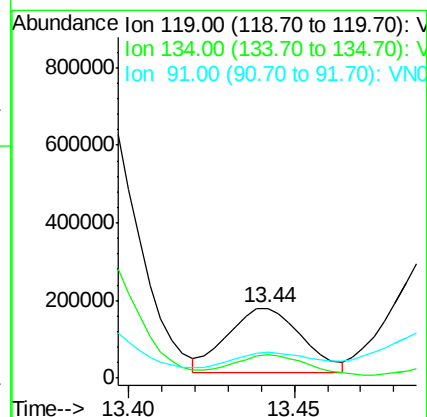
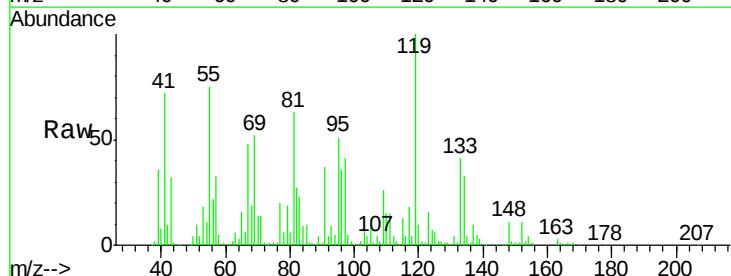
Tgt Ion:119 Resp: 262903

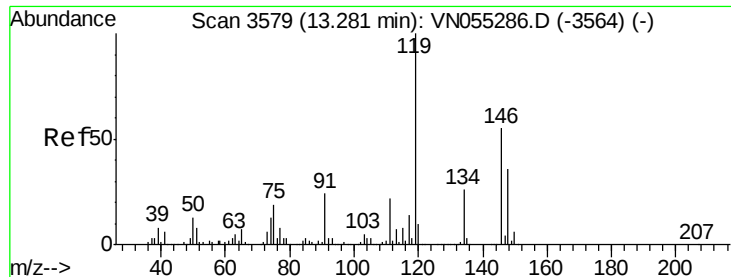
Ion Ratio Lower Upper

119 100

134 37.6 13.0 38.9

91 25.6 12.2 36.6

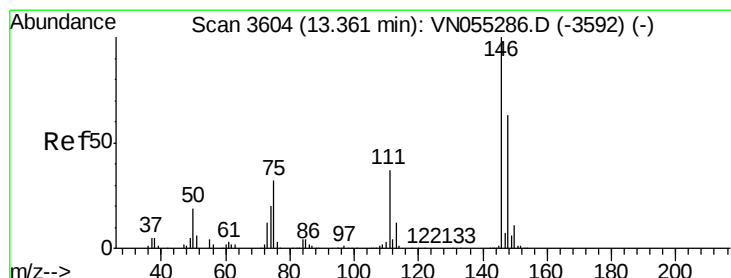
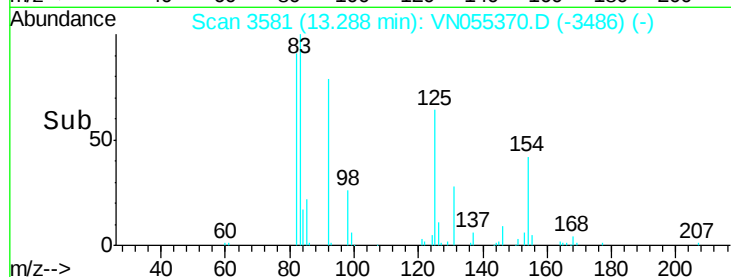
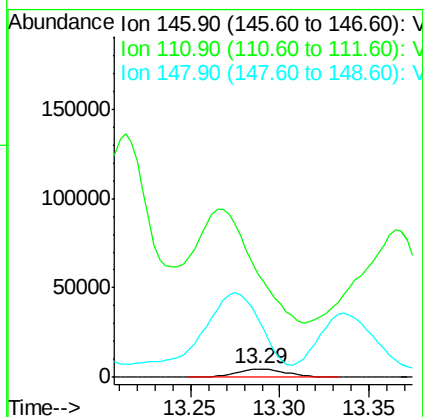
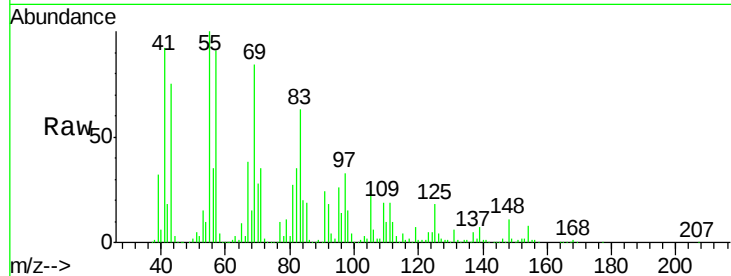




#87
 1,3-Dichlorobenzene
 Concen: 0.976 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.01 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

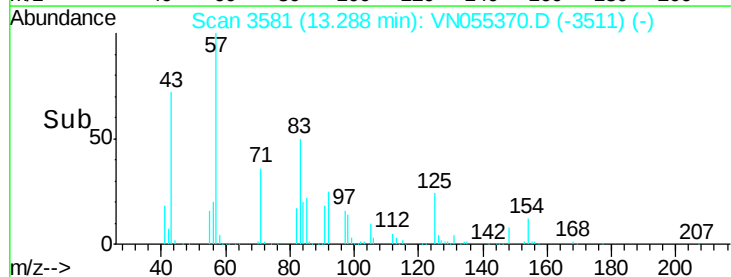
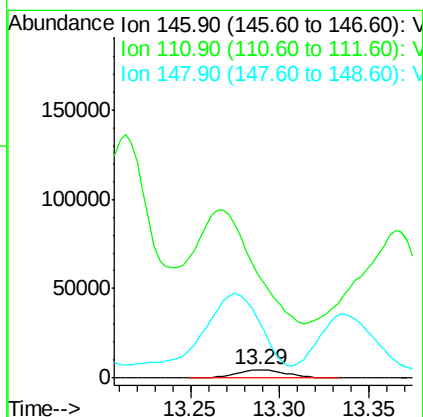
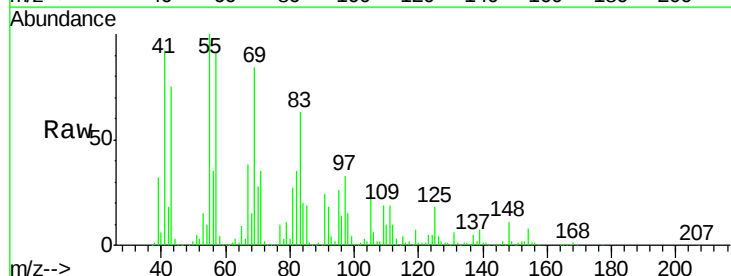
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

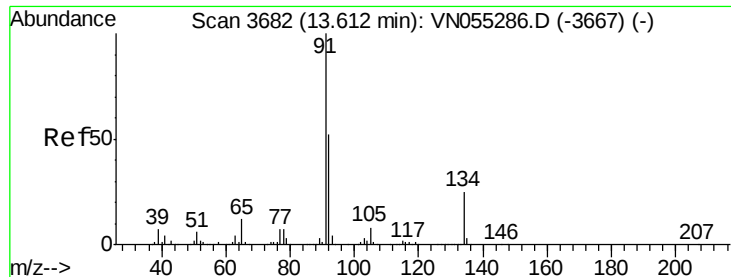
Tot Ion:146 Resp: 9775
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 60.8#
 148 0.0 32.5 97.5#



#88
 1,4-Dichlorobenzene
 Concen: 1.036 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.07 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

Tgt Ion:146 Resp: 9775
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.5 58.5#
 148 0.0 32.5 97.4#

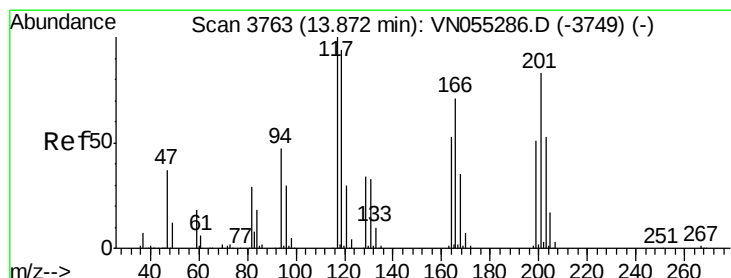
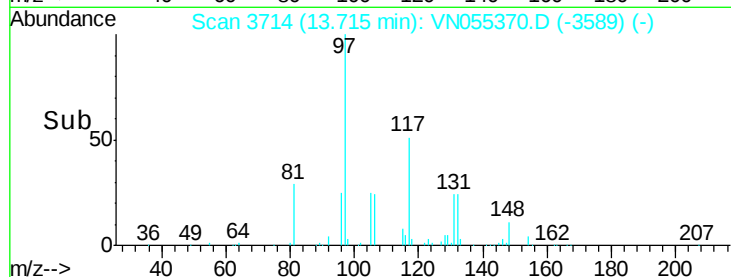
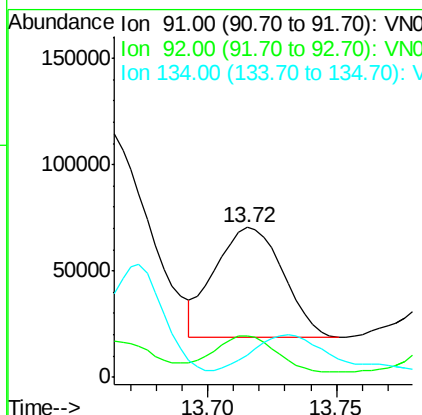
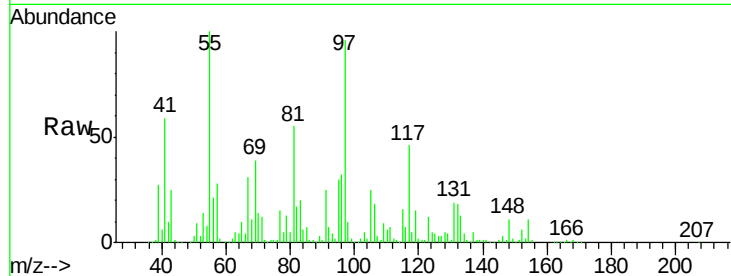




#89
n-Butylbenzene
Concen: 6.389 ug/l
RT: 13.72 min Scan# 3714
Delta R.T. 0.10 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

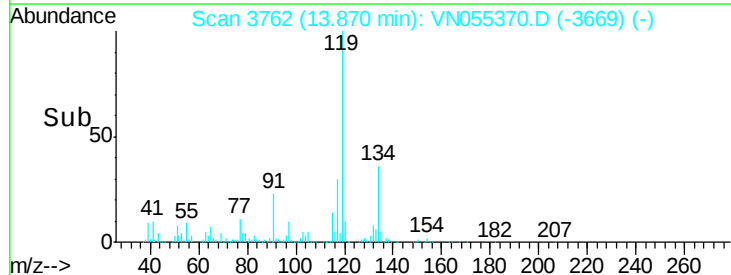
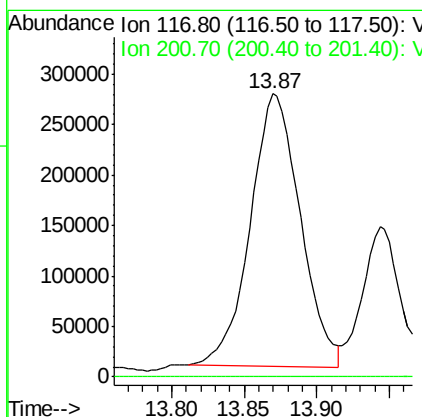
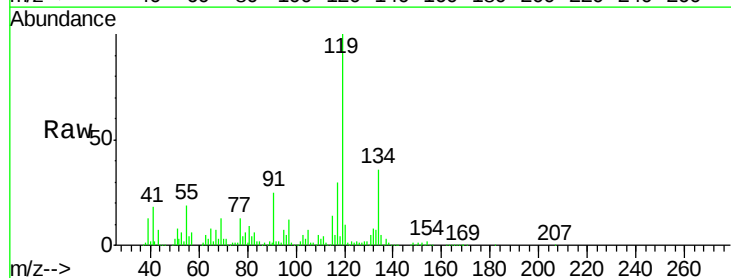
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

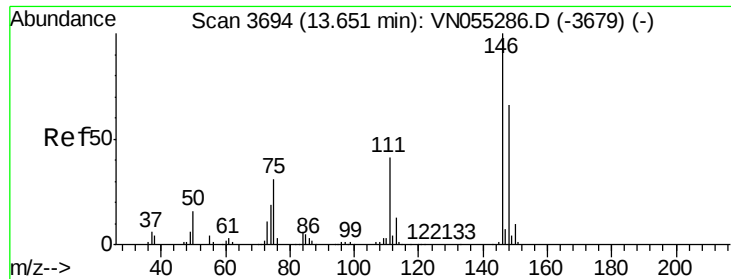
Tot Ion: 91 Resp: 95186
Ion Ratio Lower Upper
91 100
92 30.4 26.1 78.3
134 35.8 12.4 37.4



#90
Hexachloroethane
Concen: 199.158 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055370.D
Acq: 3 May 2019 1:32

Tgt Ion: 117 Resp: 645519
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.8#





#91

1,2-Dichlorobenzene

Concen: 5.574 ug/l

RT: 13.64 min Scan# 3692

Delta R.T. -0.01 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

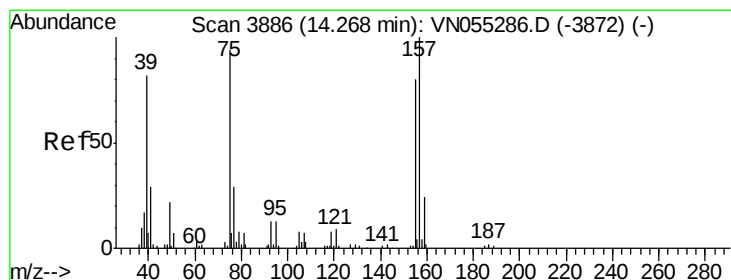
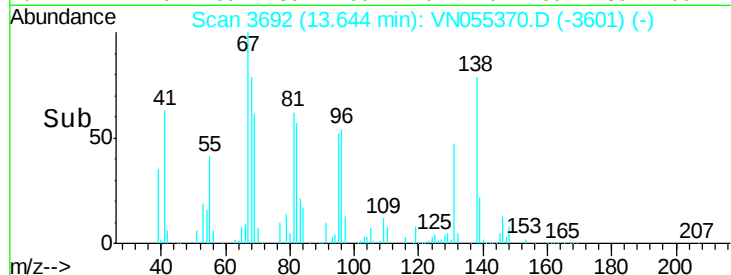
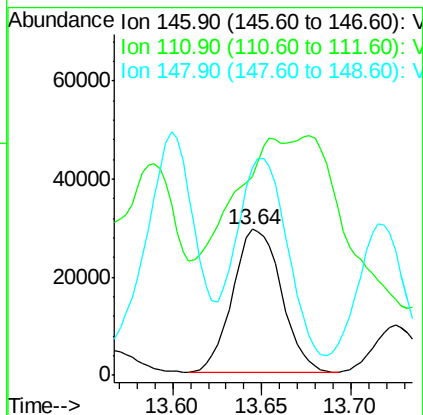
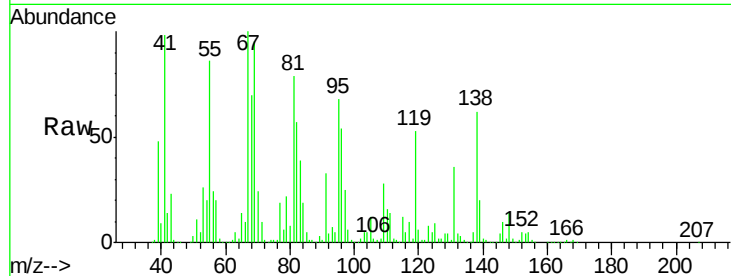
Tot Ion:146 Resp: 55340

Ion Ratio Lower Upper

146 100

111 76.9 20.3 61.0#

148 142.2 32.4 97.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.890 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

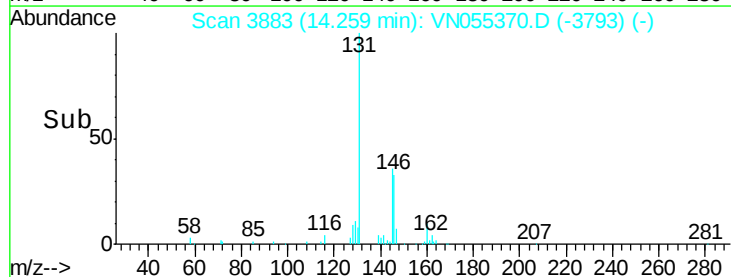
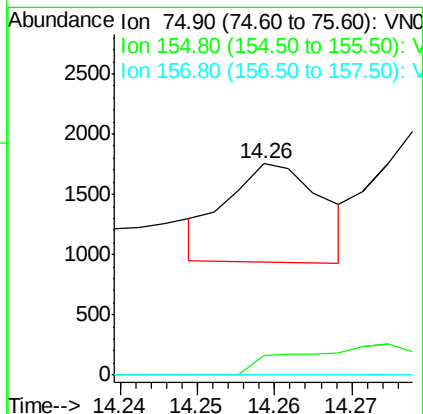
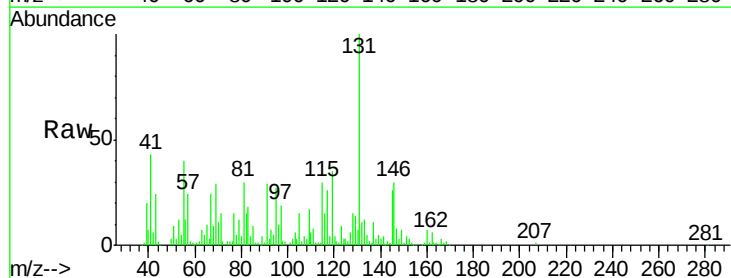
Tgt Ion: 75 Resp: 701

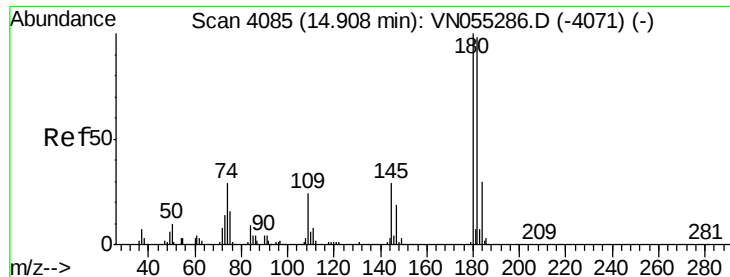
Ion Ratio Lower Upper

75 100

155 37.8 41.5 124.6#

157 0.0 54.0 162.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.340 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

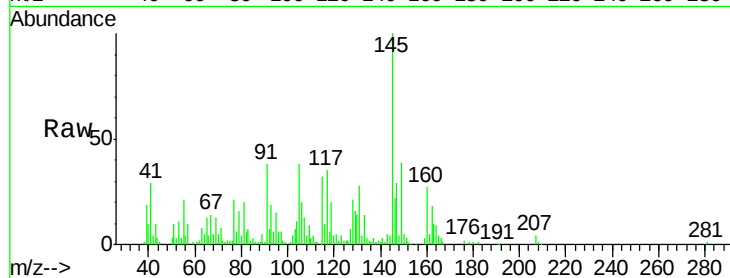
Tot Ion:180 Resp: 122

Ion Ratio Lower Upper

180 100

182 287.7 48.3 144.9#

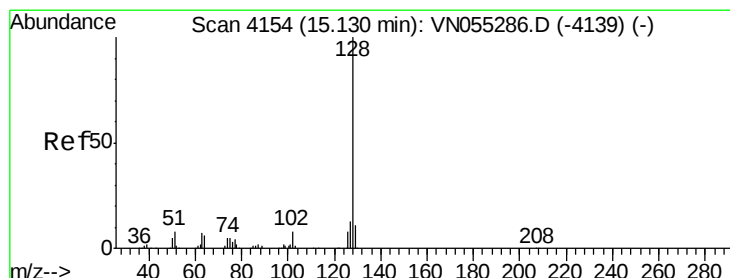
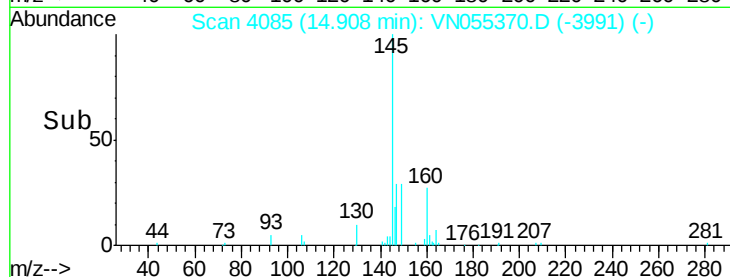
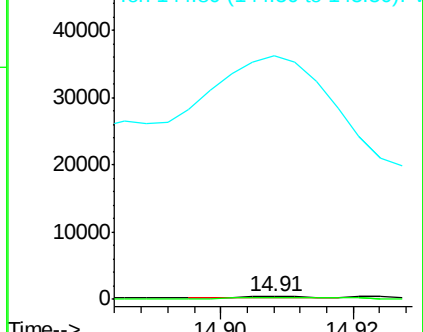
145 59199.2 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.667 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055370.D

Acq: 3 May 2019 1:32

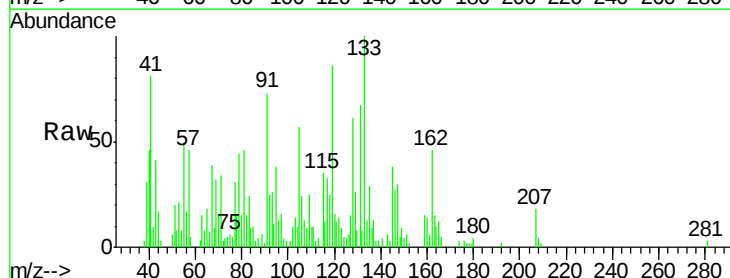
Tgt Ion:128 Resp: 3022

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

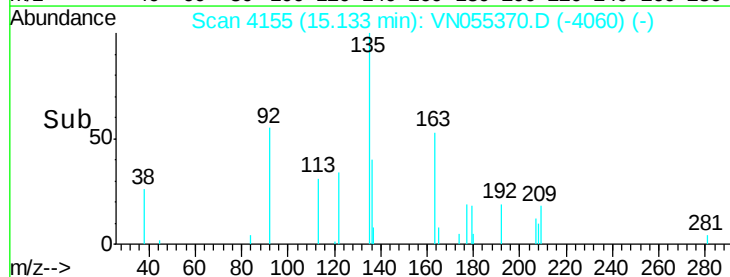
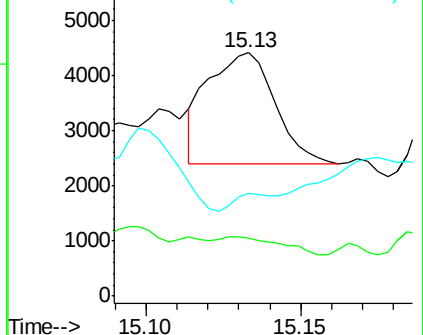
129 0.0 8.6 13.0#

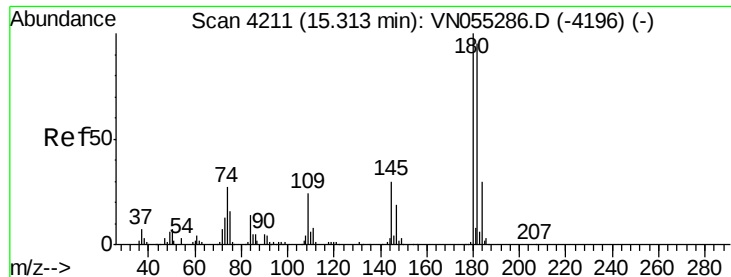


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

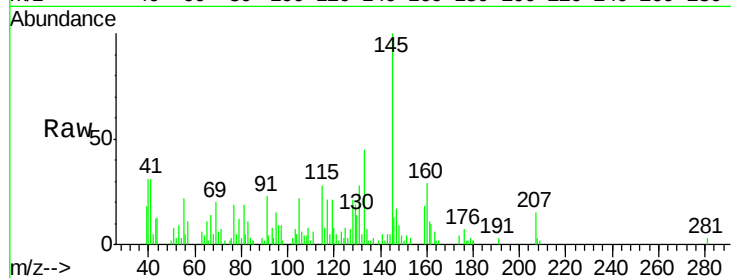




#96
 1,2,3-Trichlorobenzene
 Concen: 2.670 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN055370.D
 Acq: 3 May 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.3	144.9#
145	0.0	15.2	45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

