

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009187.D
 Acq On : 26 Apr 2019 14:13
 Operator : JC/SP
 Sample : K2565-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0105

Quant Time: Apr 27 04:01:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131332	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	139191	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.50	113	103064	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.71	98	423354	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	144128	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds						Qvalue
3) Chloromethane	1.32	50	2152	0.725	ug/l #	85
4) Vinyl Chloride	1.40	62	5102	1.766	ug/l #	87
5) Bromomethane	1.64	94	333	4.018	ug/l #	42
6) Chloroethane	1.92	64	826	0.486	ug/l #	44
10) Methyl Iodide	2.51	142	196	4.490	ug/l #	54
11) Tert butyl alcohol	3.02	59	1404	2.138	ug/l #	72
13) Acrolein	2.31	56	154	0.271	ug/l #	75
14) Allyl chloride	2.61	41	1292	0.263	ug/l #	57
15) Acrylonitrile	3.17	53	2460	1.476	ug/l #	46
16) Acetone	2.44	43	7407	4.829	ug/l	100
17) Carbon Disulfide	2.57	76	3263	1.734	ug/l #	90
18) Methyl Acetate	2.84	43	24985	6.527	ug/l #	55
20) Methylene Chloride	2.85	84	797	0.304	ug/l #	40
25) 2-Butanone	4.68	43	726	0.296	ug/l #	54
27) cis-1,2-Dichloroethene	4.60	96	6260	2.297	ug/l	91
28) Bromochloromethane	5.01	49	19	Below Cal	#	21
31) Cyclohexane	5.59	56	93916	19.936	ug/l	95
36) 1,1-Dichloropropene	5.66	75	16607	4.784	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19989	6.793	ug/l #	17
39) Methylcyclohexane	7.46	83	136058	32.194	ug/l	97
40) Benzene	6.14	78	18680	1.824	ug/l	97
43) Isopropyl Acetate	6.46	43	3107	0.432	ug/l #	64
45) 1,2-Dichloropropane	7.46	63	1473	0.519	ug/l #	1
47) Bromodichloromethane	7.85	83	735	0.227	ug/l #	1
48) Methyl methacrylate	7.73	41	8246	2.319	ug/l #	48
49) 1,4-Dioxane	7.73	88	41	0.616	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	4858	1.059	ug/l #	45
52) Toluene	8.79	92	9226	1.503	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	13465	5.536	ug/l #	17
56) Ethyl methacrylate	9.16	69	3485	0.799	ug/l #	1
67) Ethyl Benzene	10.25	91	259370	22.886	ug/l	100
68) m/p-Xylenes	10.36	106	61050	14.822	ug/l	99
69) o-Xylene	10.69	106	251202	62.681	ug/l	98
70) Styrene	10.70	104	13141	1.892	ug/l #	1

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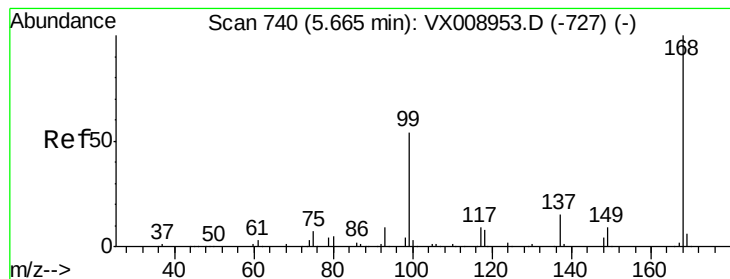
Instrument :
 MSVOA_X
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	11.02	105	25146	2.526	ug/l	100
74) N-amyl acetate	10.91	43	2497	0.437	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1606	0.442	ug/l #	62
76) 1,2,3-Trichloropropane	11.13	75	73797	23.012	ug/l #	32
78) n-propylbenzene	11.36	91	32357	2.832	ug/l	100
79) 2-Chlorotoluene	11.43	91	7190	1.044	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.51	105	14105	1.688	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	73797	59.079	ug/l #	11
83) tert-Butylbenzene	11.77	119	2210	0.276	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	169545	19.939	ug/l	99
85) sec-Butylbenzene	11.94	105	11580	1.211	ug/l	83
86) p-Isopropyltoluene	12.06	119	12267	1.395	ug/l	96
89) n-Butylbenzene	12.38	91	9387	1.146	ug/l #	37
90) Hexachloroethane	12.61	117	2374	1.636	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	433	0.523	ug/l #	8
95) Naphthalene	13.83	128	44876	4.470	ug/l #	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

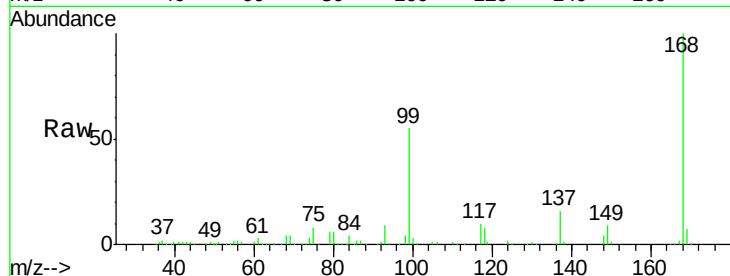
S81-0105

Tot Ion:168 Resp: 209877

Ion Ratio Lower Upper

168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

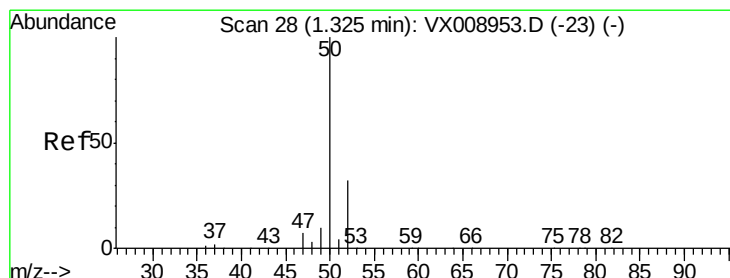
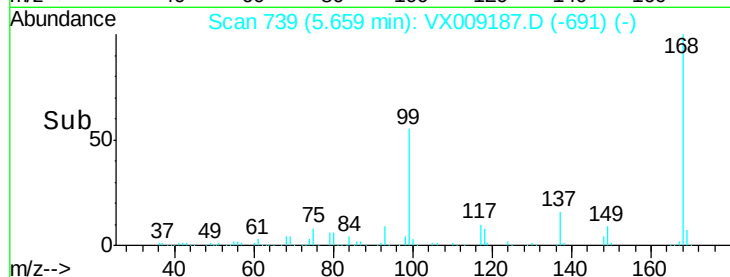
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.725 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009187.D

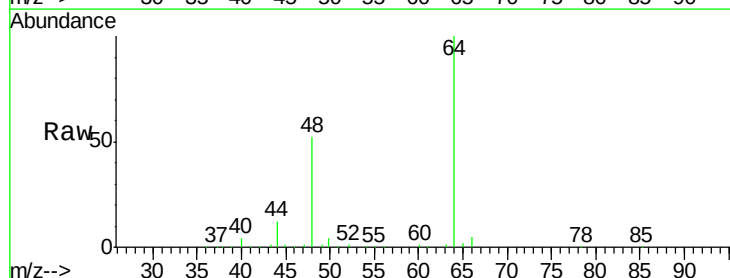
Acq: 26 Apr 2019 14:13

Tgt Ion: 50 Resp: 2152

Ion Ratio Lower Upper

50 100

52 23.6 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

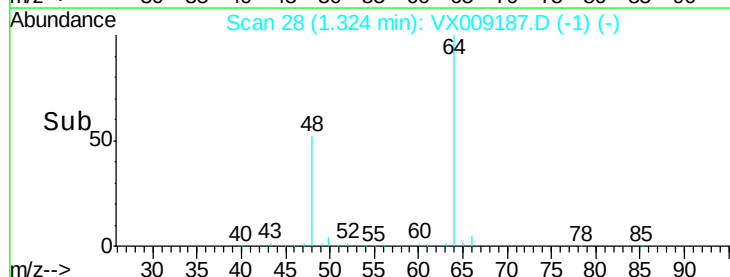
600

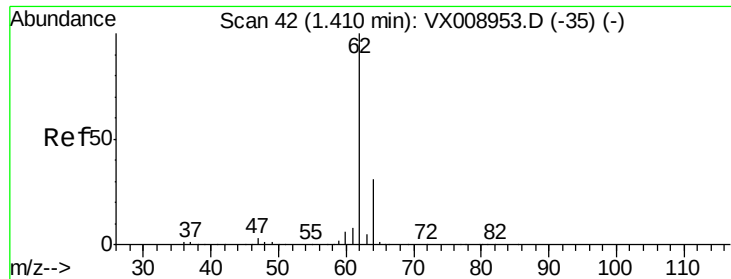
400

200

0

Time--> 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 1.766 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

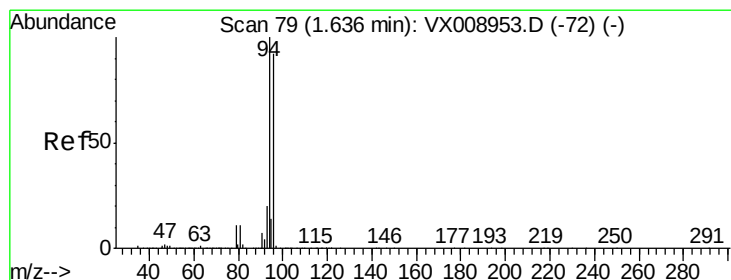
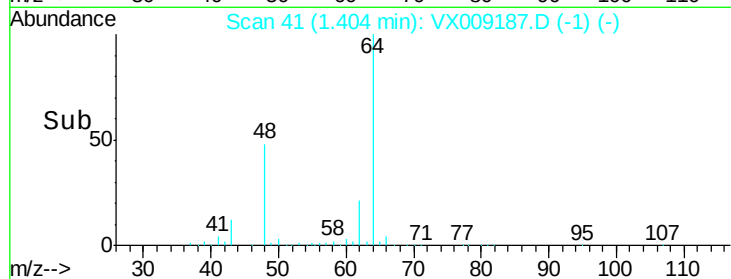
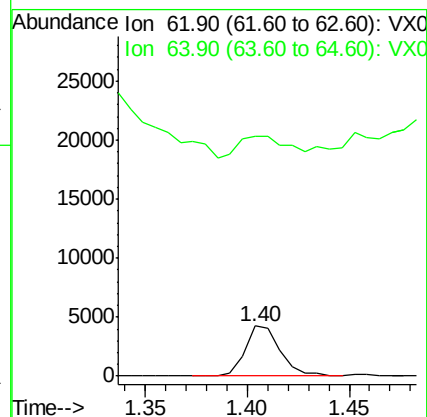
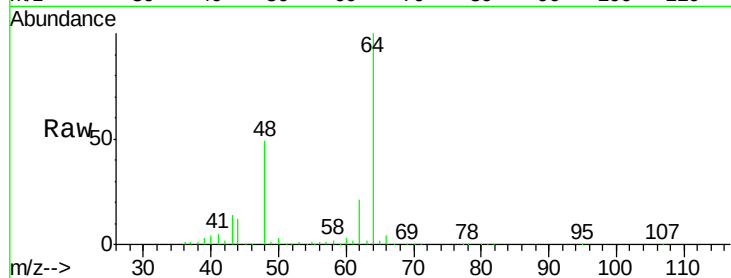
S81-0105

Tot Ion: 62 Resp: 5102

Ion Ratio Lower Upper

62 100

64 24.0 25.0 37.4#



#5

Bromomethane

Concen: 4.018 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009187.D

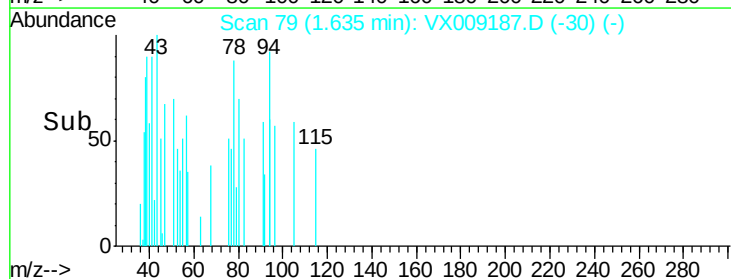
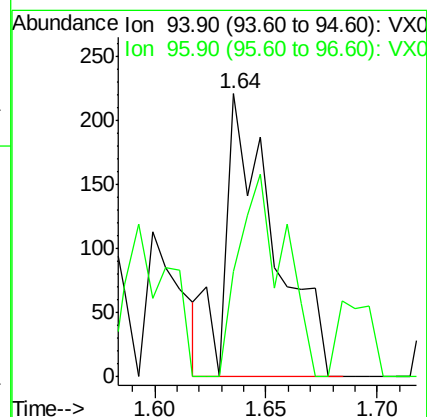
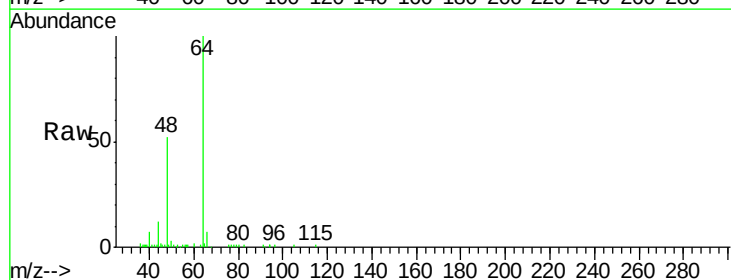
Acq: 26 Apr 2019 14:13

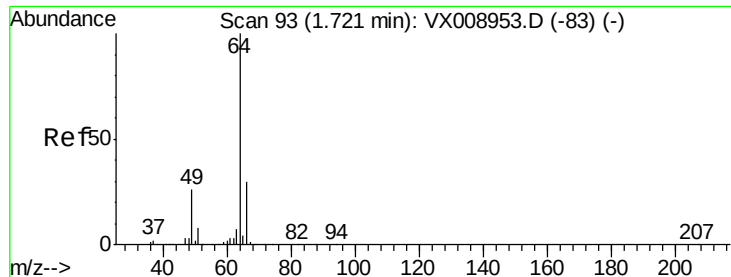
Tgt Ion: 94 Resp: 333

Ion Ratio Lower Upper

94 100

96 37.1 73.9 110.9#





#6

Chloroethane

Concen: 0.486 ug/l

RT: 1.92 min Scan# 125

Delta R.T. 0.19 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

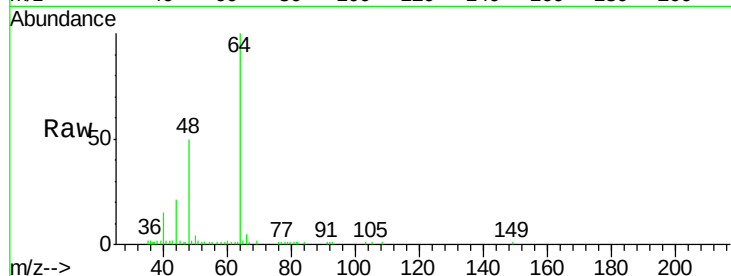
S81-0105

Tot Ion: 64 Resp: 826

Ion Ratio Lower Upper

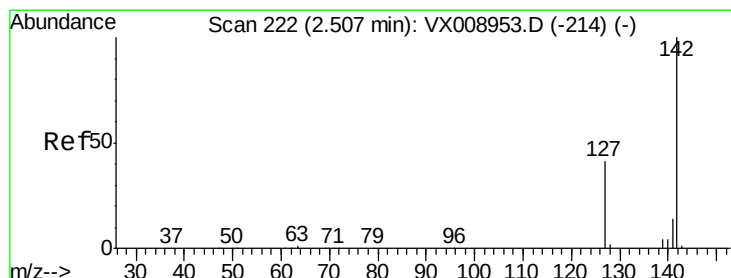
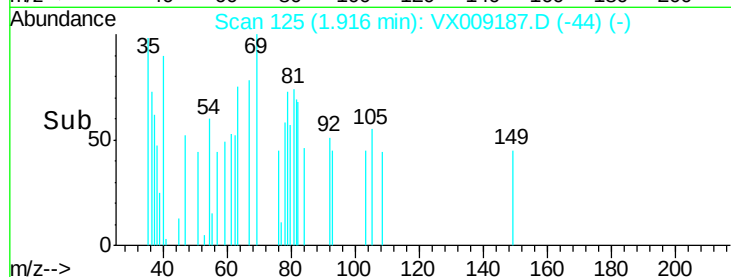
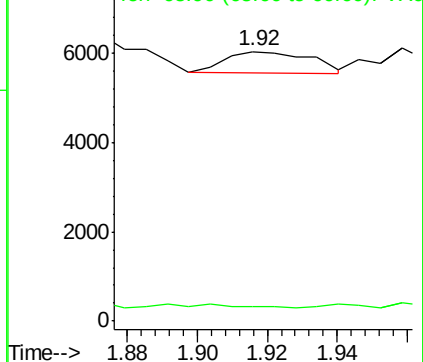
64 100

66 0.0 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.490 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

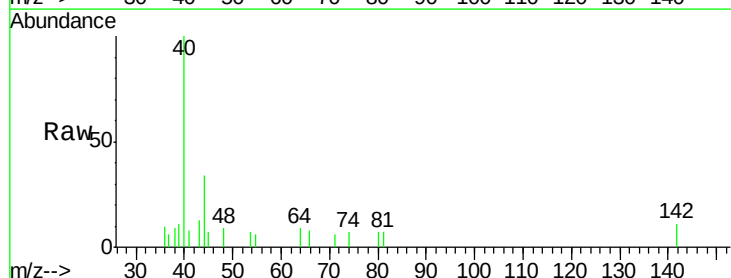
Tgt Ion: 142 Resp: 196

Ion Ratio Lower Upper

142 100

127 10.2 32.8 49.2#

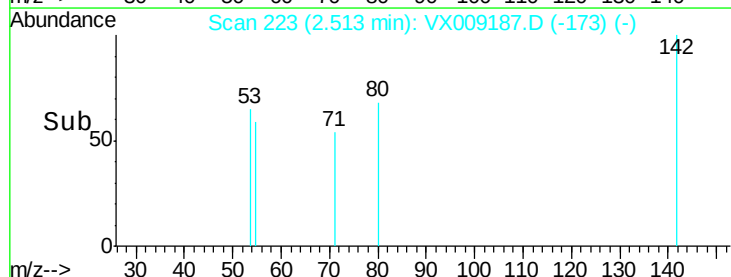
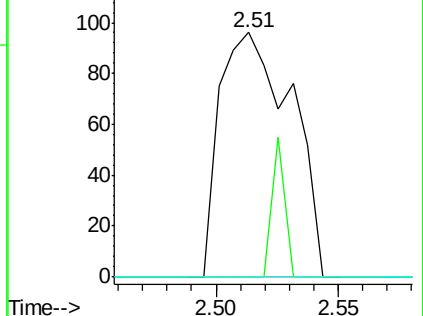
141 0.0 11.4 17.2#

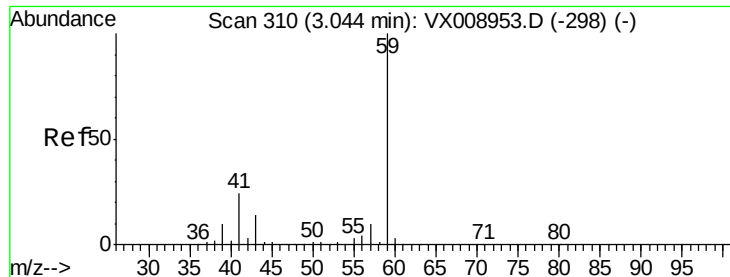


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

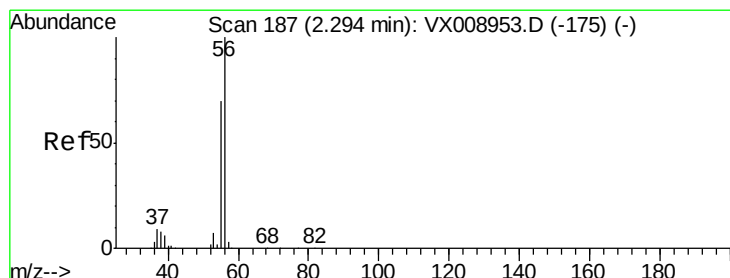
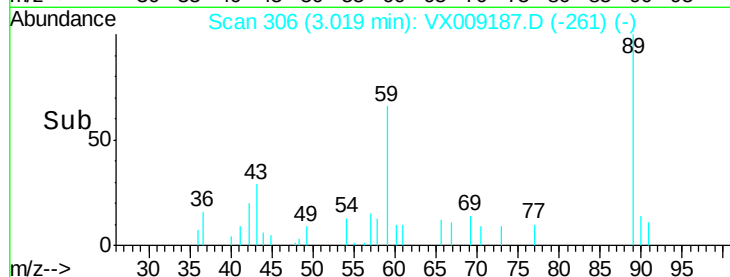
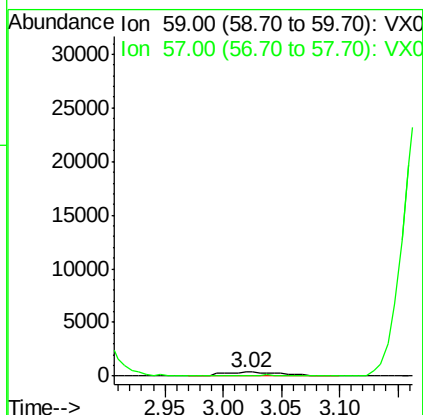
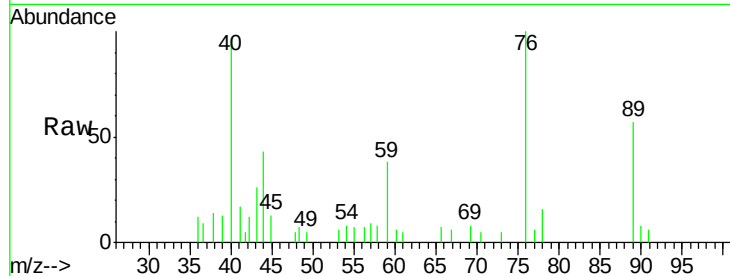




#11
Tert butyl alcohol
Concen: 2.138 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

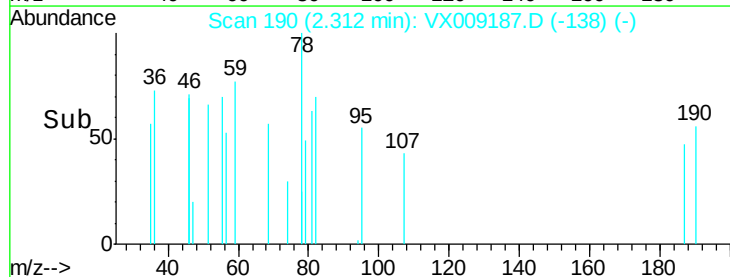
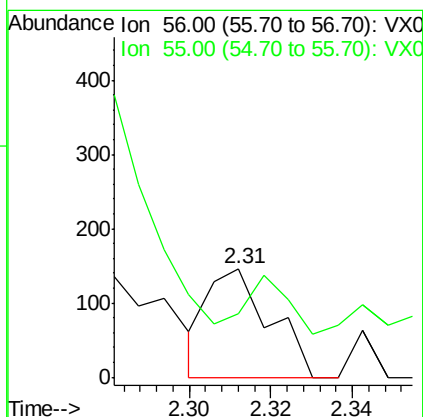
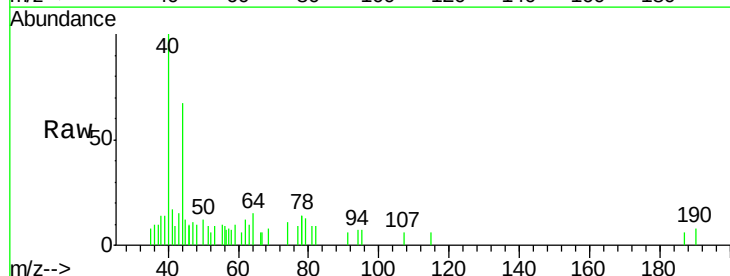
Instrument :
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ClientSampled :
S81-0105

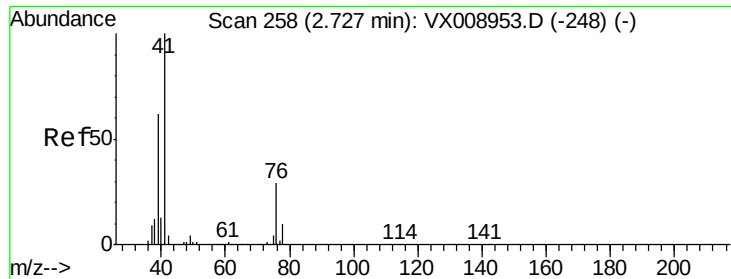
Tot Ion: 59 Resp: 1404
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.271 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 91.6 56.6 84.8#





#14

Allvl chloride

Concen: 0.263 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.12 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

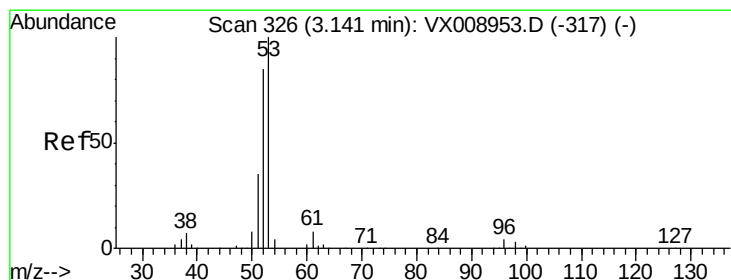
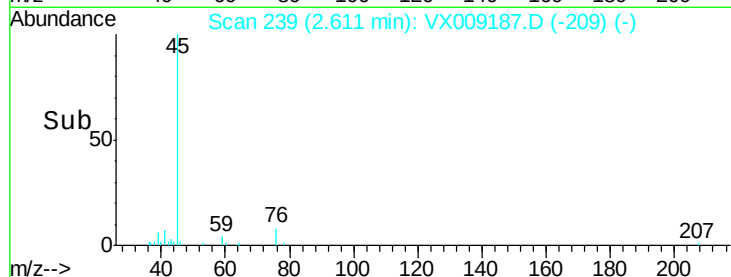
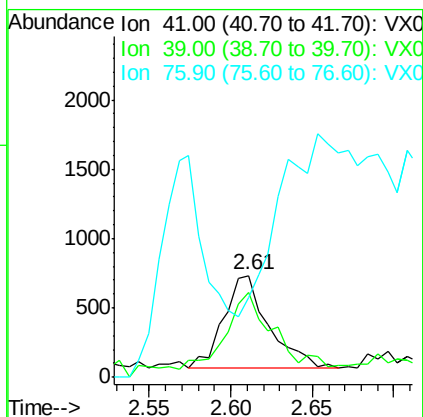
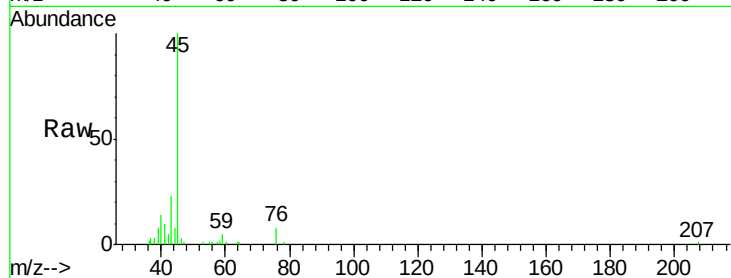
Tot Ion: 41 Resp: 1292

Ion Ratio Lower Upper

41 100

39 86.8 46.7 70.1#

76 0.0 22.0 33.0#



#15

Acrylonitrile

Concen: 1.476 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

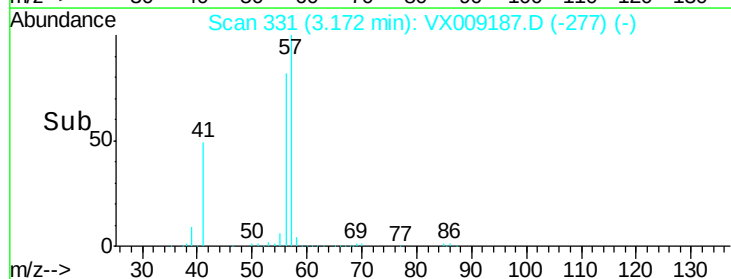
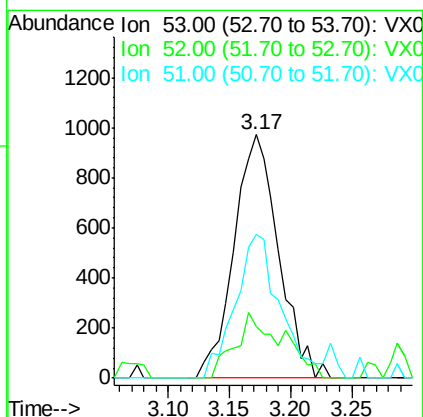
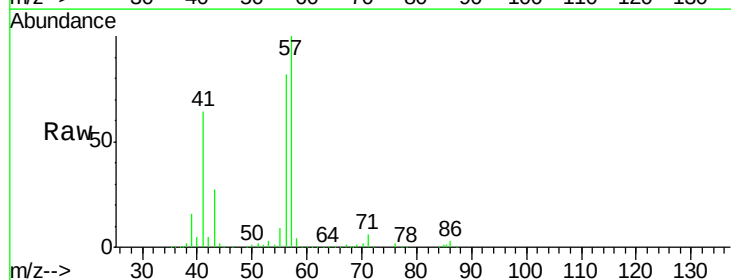
Tgt Ion: 53 Resp: 2460

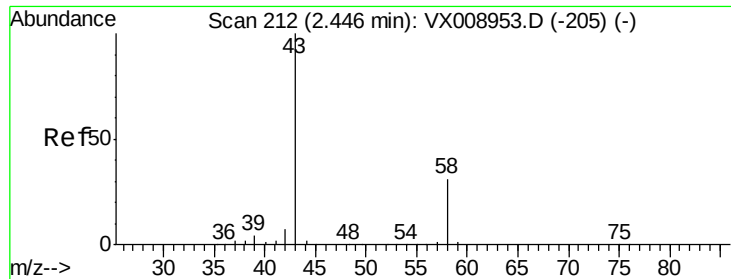
Ion Ratio Lower Upper

53 100

52 28.7 66.6 100.0#

51 58.7 28.3 42.5#





#16

Acetone

Concen: 4.829 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

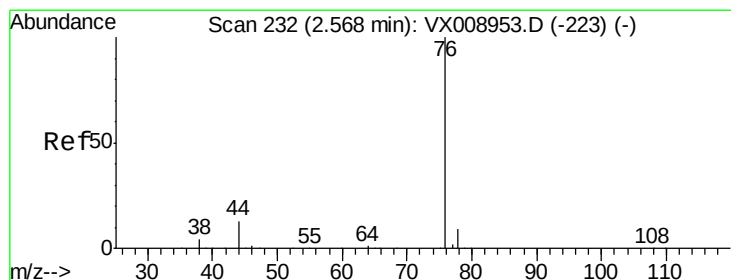
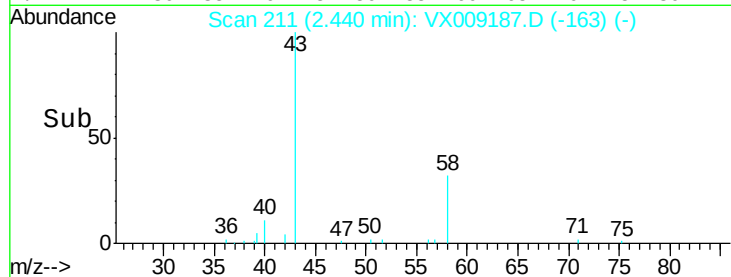
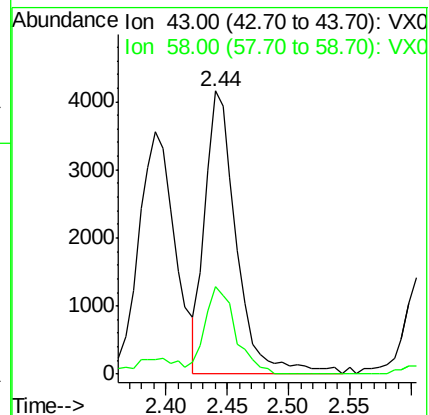
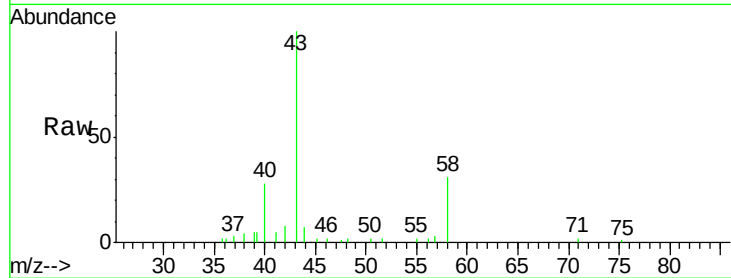
S81-0105

Tot Ion: 43 Resp: 7407

Ion Ratio Lower Upper

43 100

58 30.8 24.8 37.2



#17

Carbon Disulfide

Concen: 1.734 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009187.D

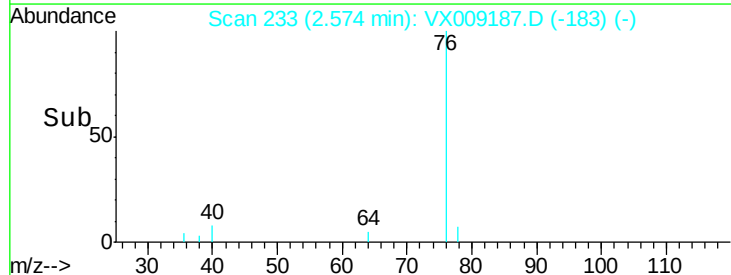
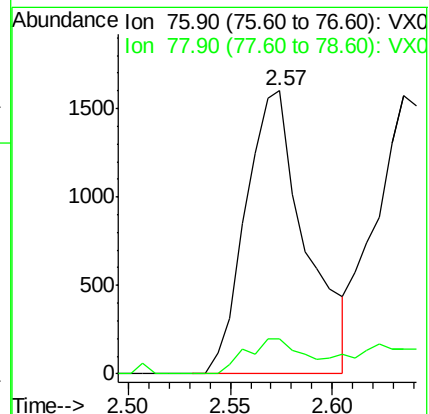
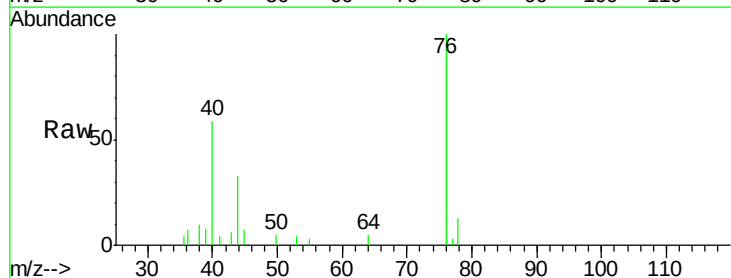
Acq: 26 Apr 2019 14:13

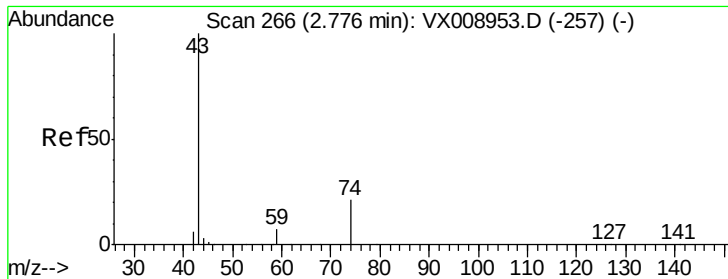
Tgt Ion: 76 Resp: 3263

Ion Ratio Lower Upper

76 100

78 12.6 7.2 10.8#





#18

Methyl Acetate

Concen: 6.527 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

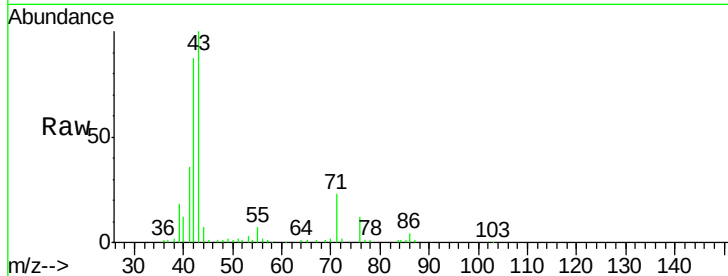
S81-0105

Tot Ion: 43 Resp: 24985

Ion Ratio Lower Upper

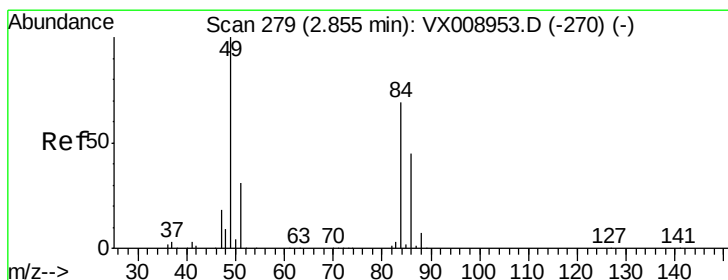
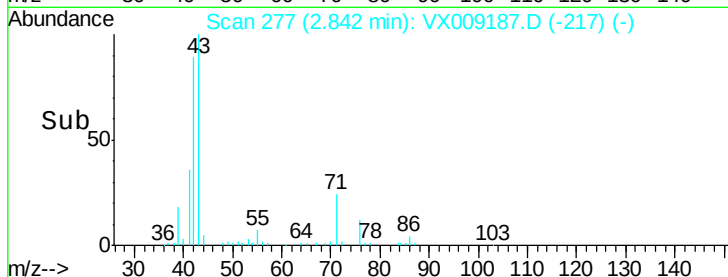
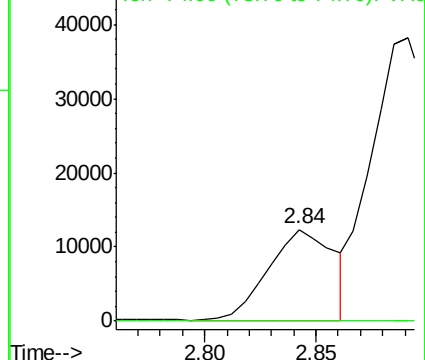
43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.304 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion: 84 Resp: 797

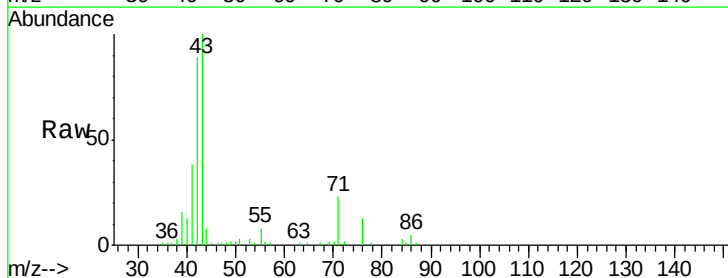
Ion Ratio Lower Upper

84 100

49 92.4 115.4 173.0#

51 70.5 35.8 53.6#

86 155.6 52.1 78.1#

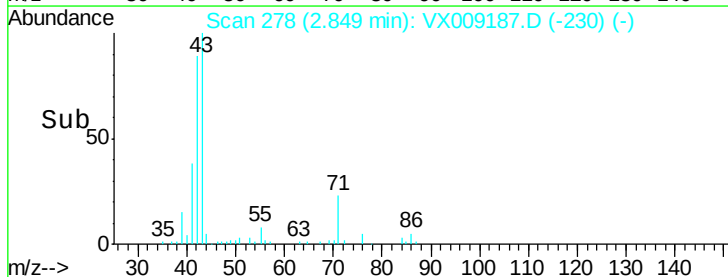
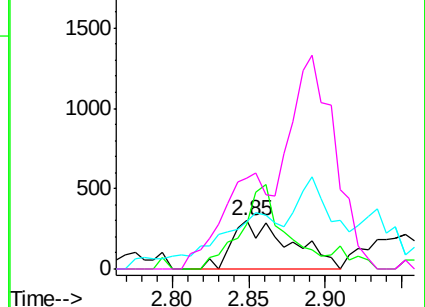


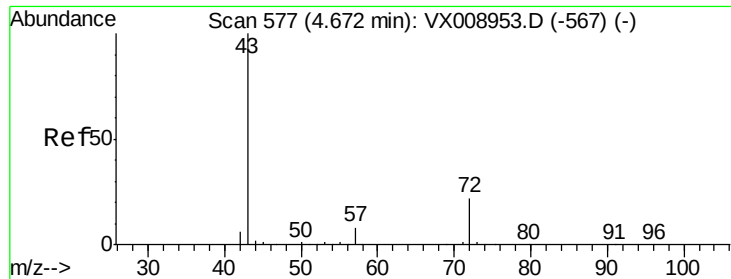
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.296 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

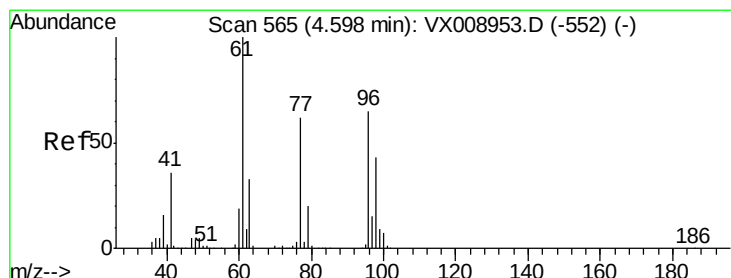
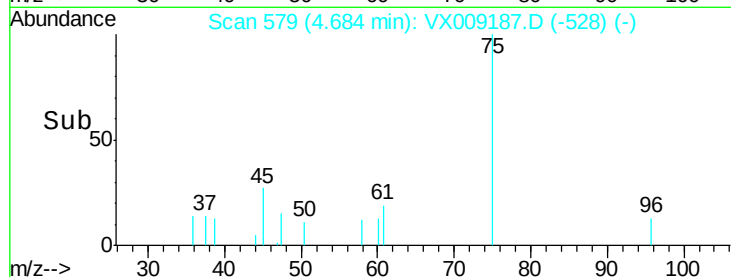
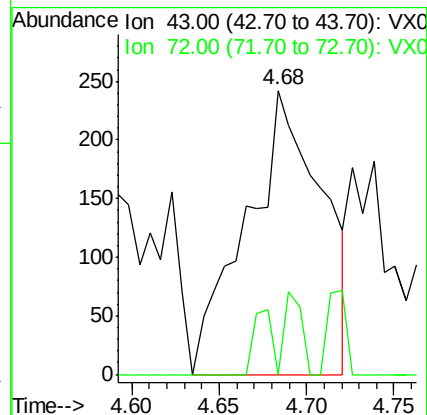
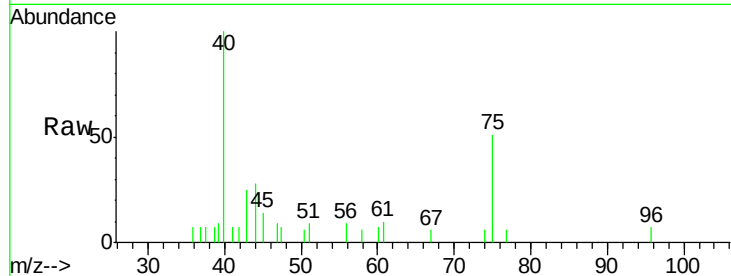
S81-0105

Tot Ion: 43 Resp: 726

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#27

cis-1,2-Dichloroethene

Concen: 2.297 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

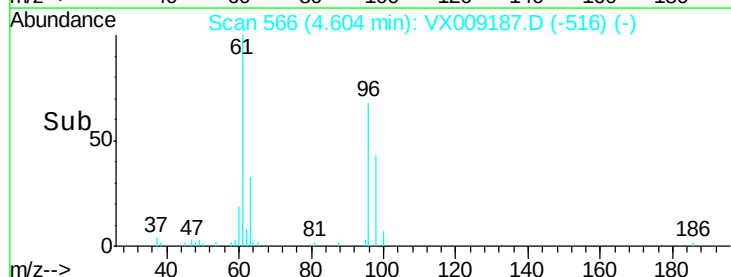
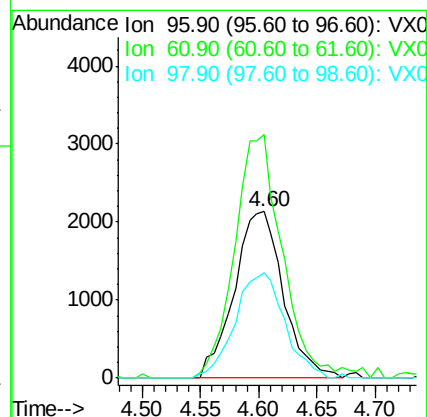
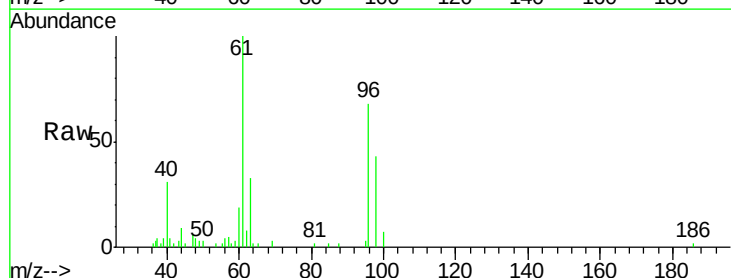
Tgt Ion: 96 Resp: 6260

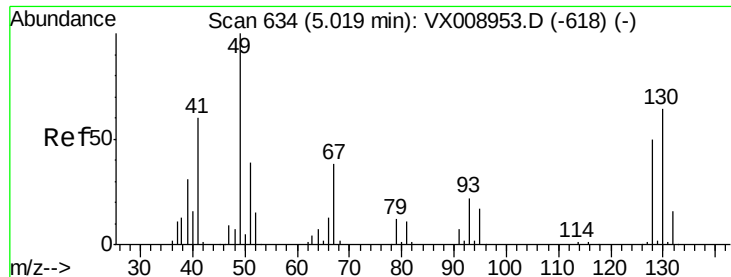
Ion Ratio Lower Upper

96 100

61 144.6 0.0 322.0

98 63.8 0.0 128.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

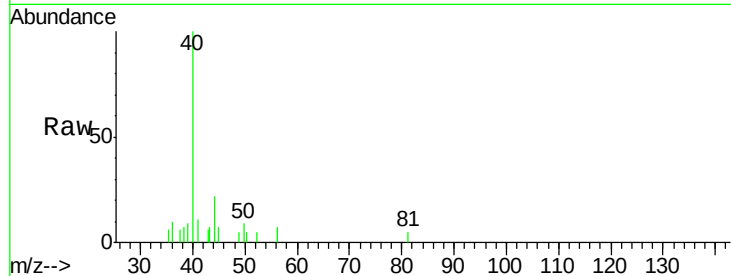
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

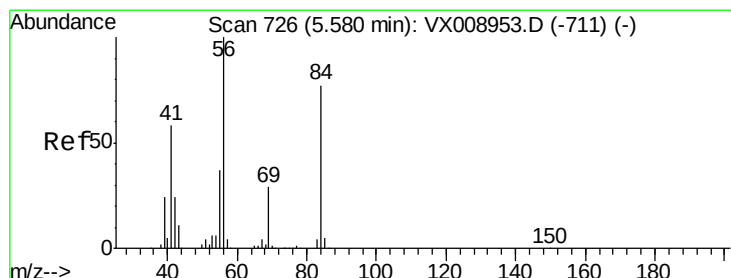
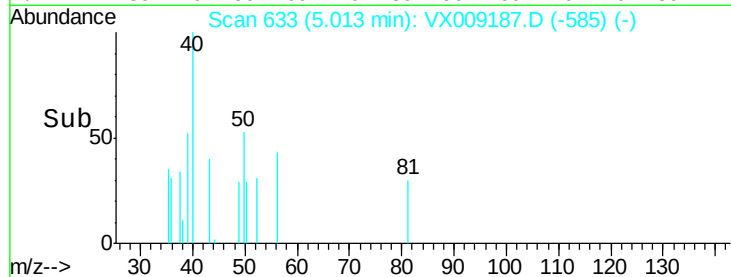
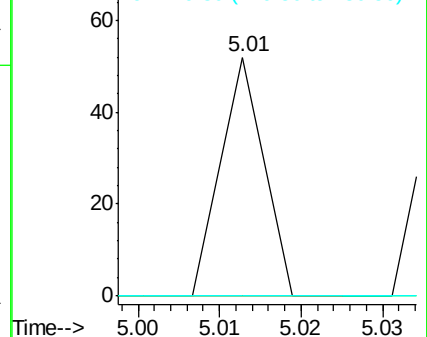
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 19.936 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

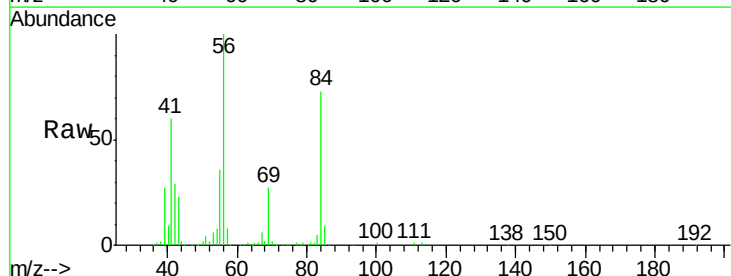
Tgt Ion: 56 Resp: 93916

Ion Ratio Lower Upper

56 100

69 26.3 23.3 34.9

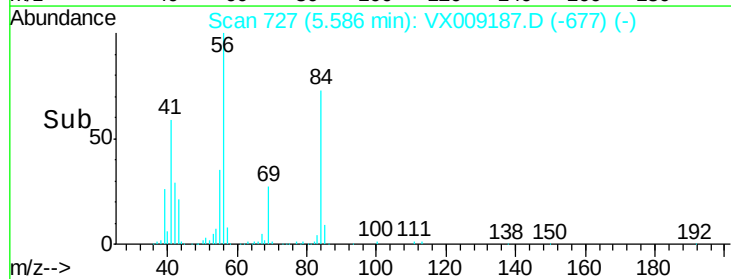
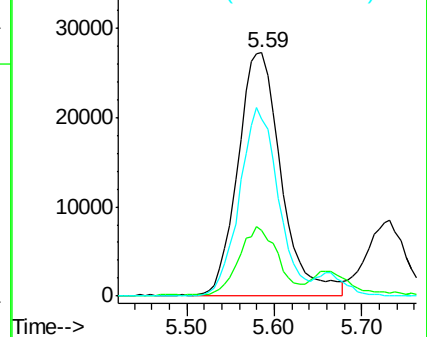
84 72.9 61.7 92.5

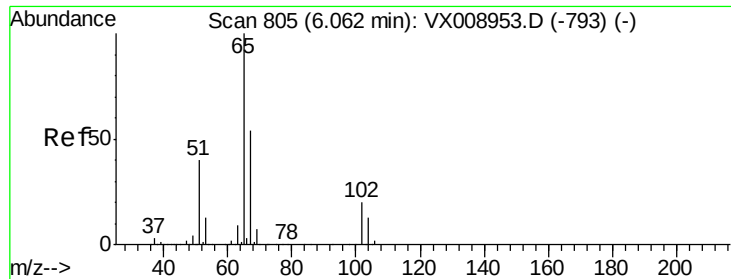


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.060 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

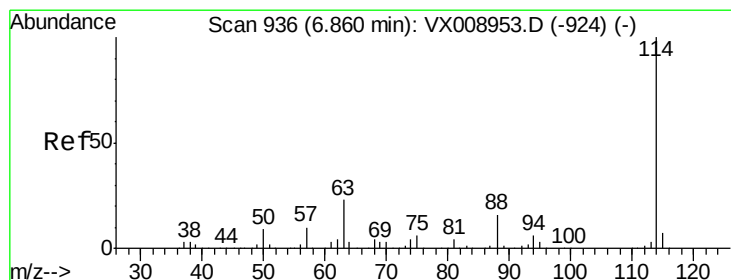
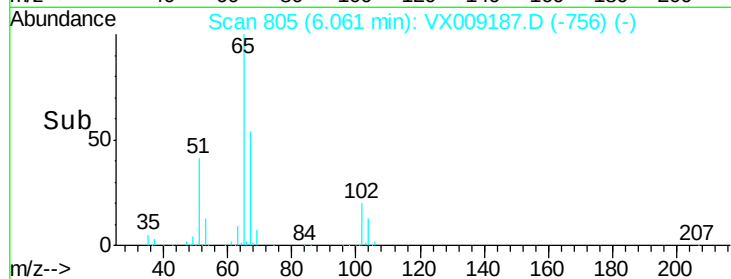
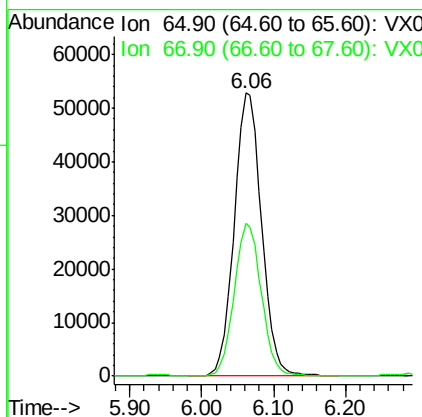
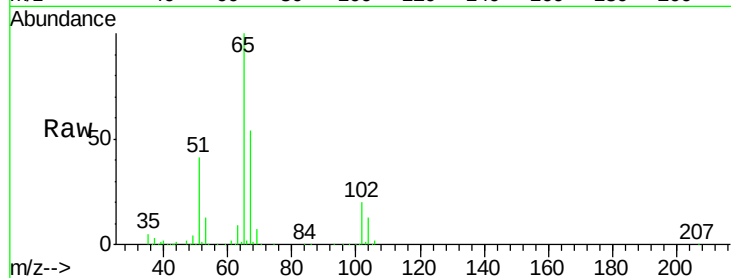
Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :
MSVOA_X
ClientSampleId :
S81-0105

Tot Ion: 65 Resp: 139191

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

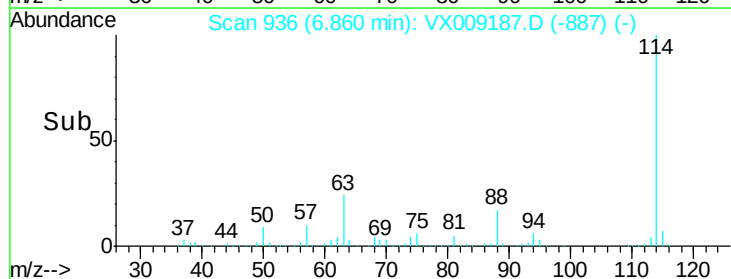
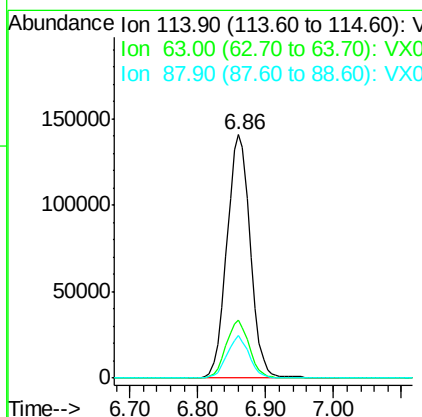
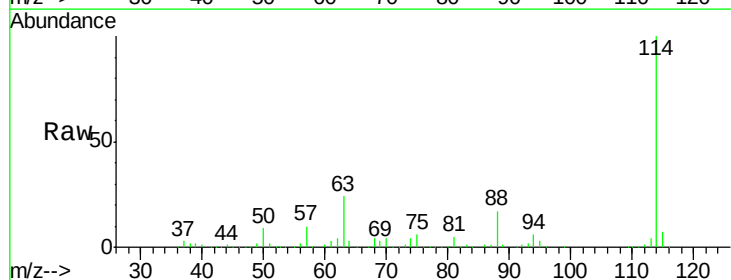
Delta R.T. -0.00 min

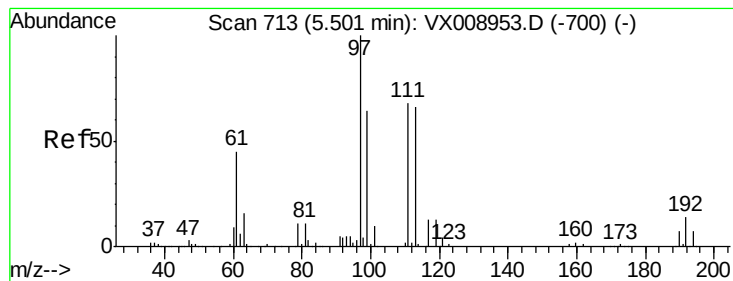
Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion: 114 Resp: 335623

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	46.0
88	17.3	0.0	32.6





#35

Dibromofluoromethane

Concen: 47.849 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

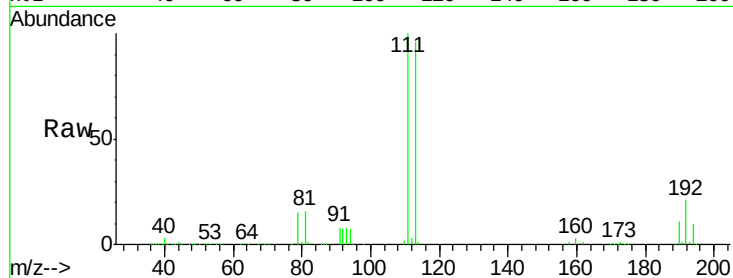
Tot Ion:113 Resp: 103064

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

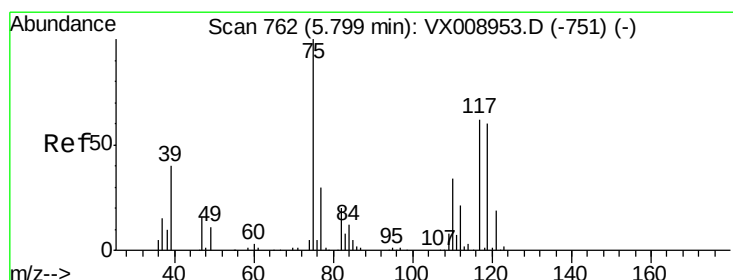
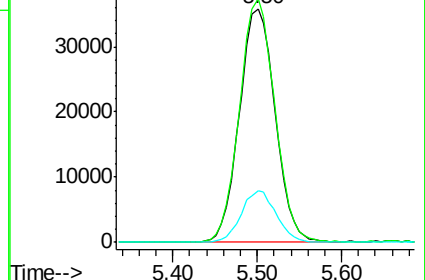
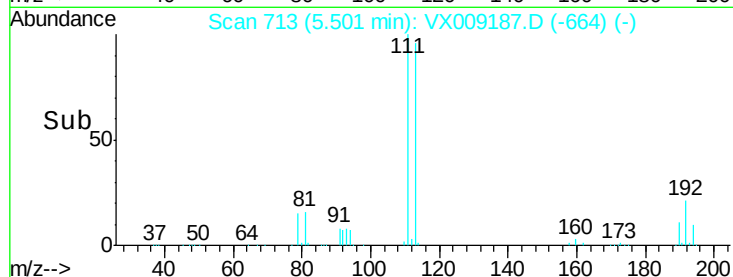
192 21.4 17.4 26.0



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: 4.784 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

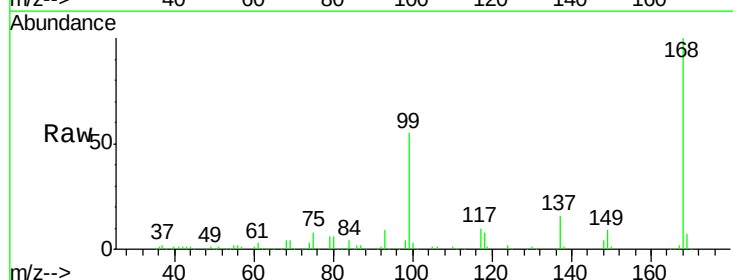
Tgt Ion: 75 Resp: 16607

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

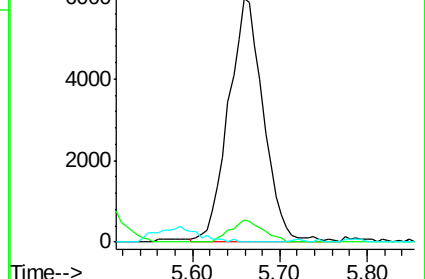
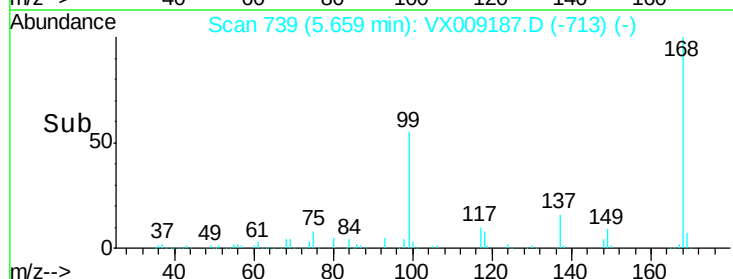
77 0.0 25.0 37.4#

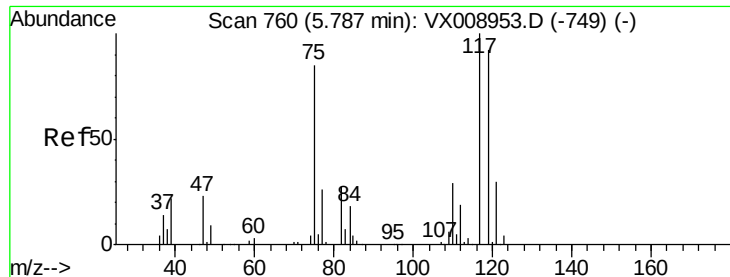


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.793 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

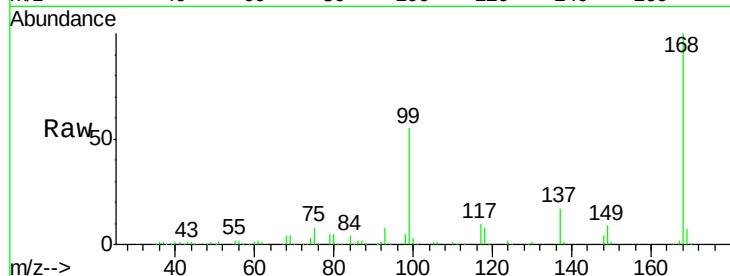
Tot Ion:117 Resp: 19989

Ion Ratio Lower Upper

117 100

119 4.5 73.8 110.8#

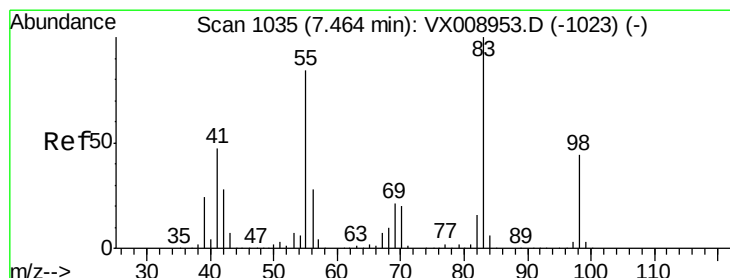
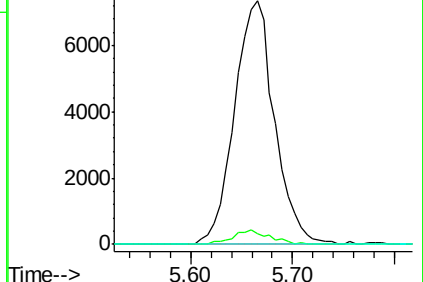
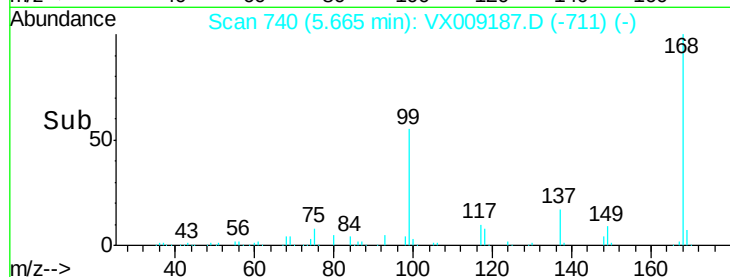
121 0.0 23.6 35.4#



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: 32.194 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

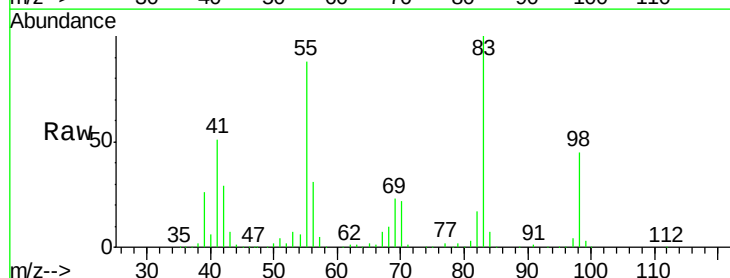
Tgt Ion: 83 Resp: 136058

Ion Ratio Lower Upper

83 100

55 87.6 67.1 100.7

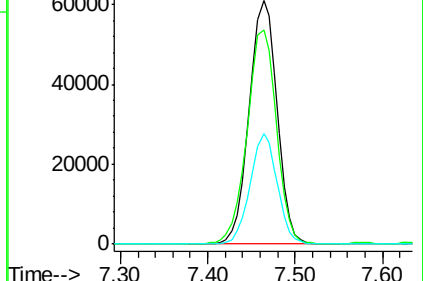
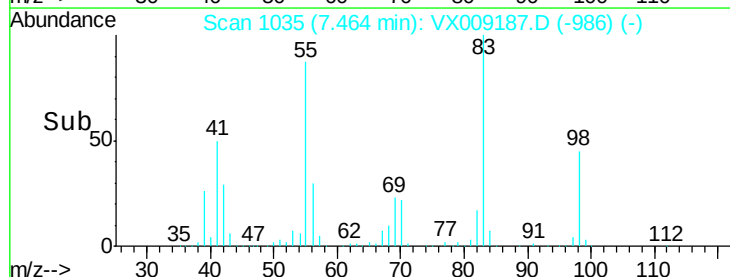
98 45.4 35.1 52.7

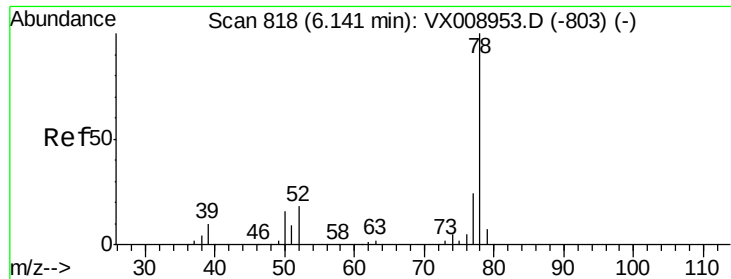


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.824 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

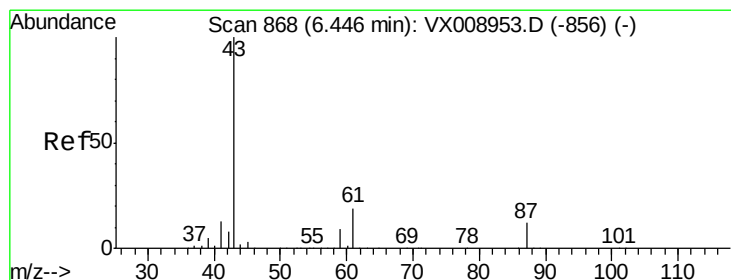
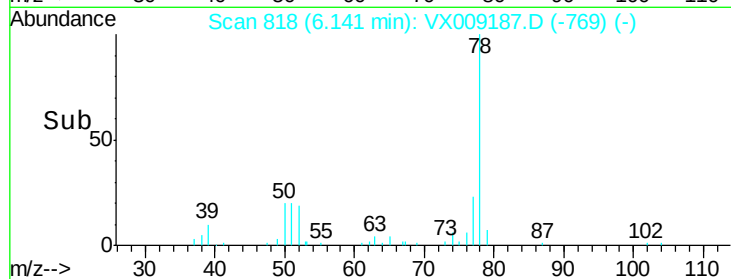
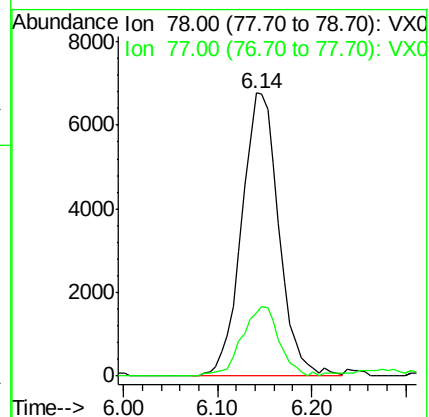
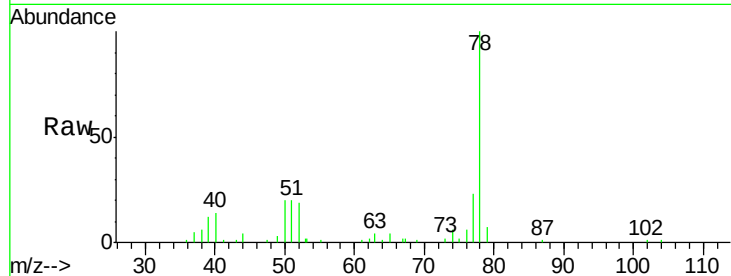
S81-0105

Tot Ion: 78 Resp: 18680

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.6



#43

Isopropyl Acetate

Concen: 0.432 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

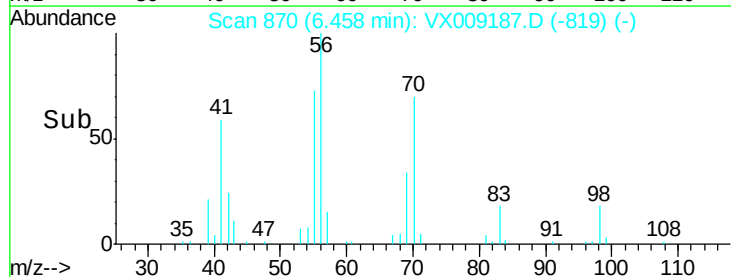
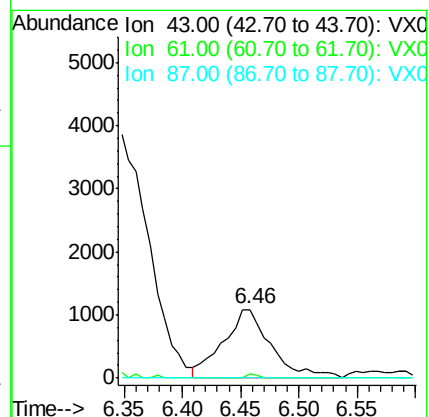
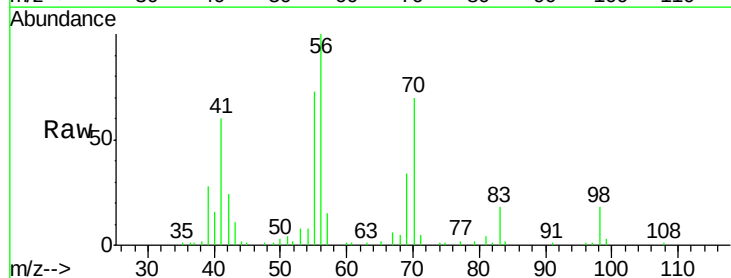
Tgt Ion: 43 Resp: 3107

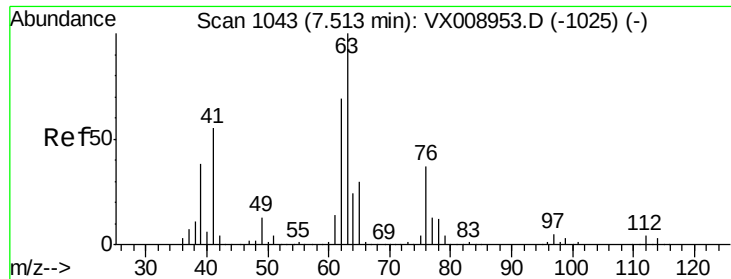
Ion Ratio Lower Upper

43 100

61 1.4 15.4 23.0#

87 0.0 9.0 13.4#

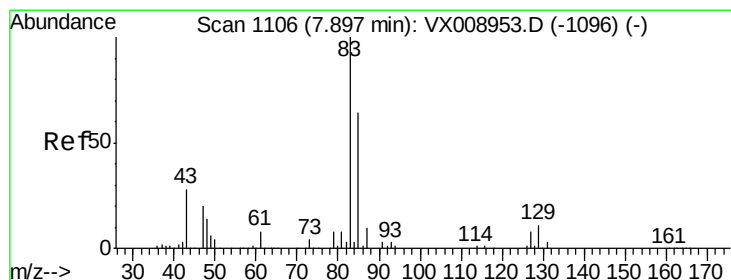
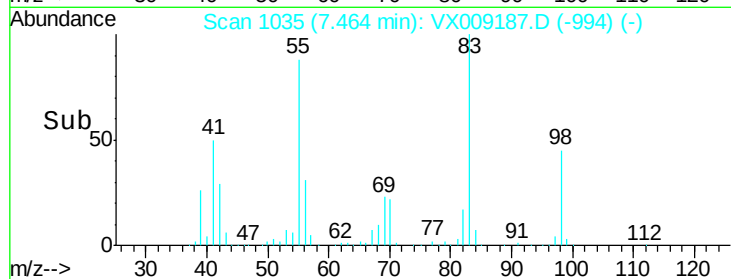
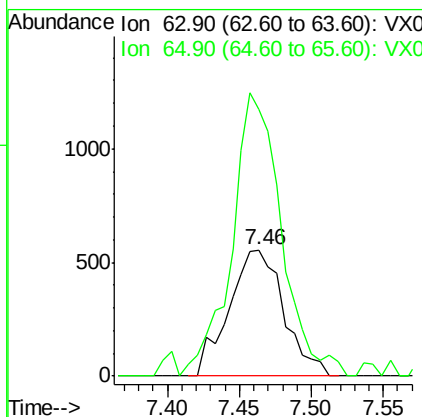
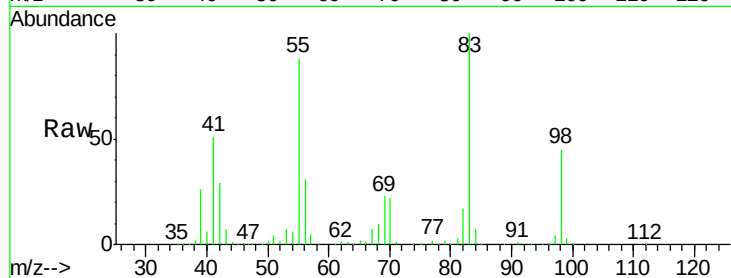




#45
 1,2-Dichloropropane
 Concen: 0.519 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

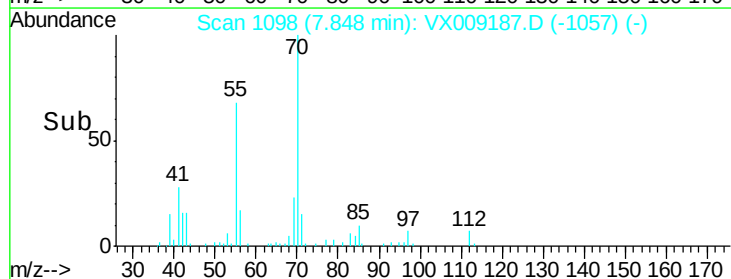
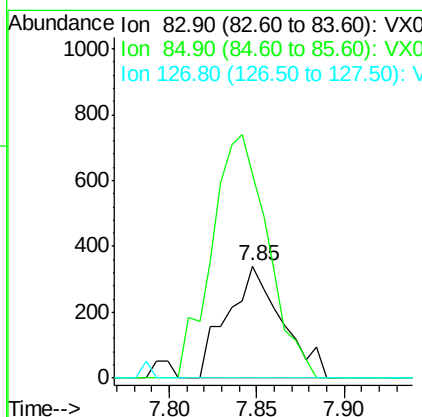
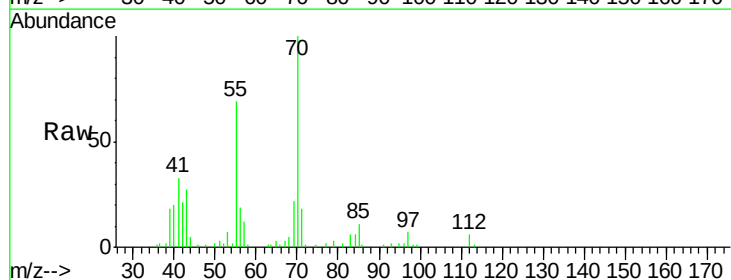
Instrument :
 MSVOA_X
 ClientSampled :
 S81-0105

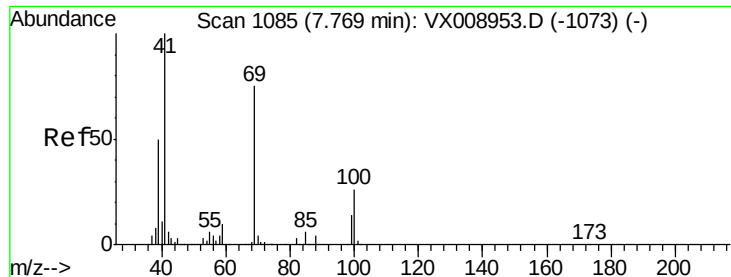
Tot Ion: 63 Resp: 1473
 Ion Ratio Lower Upper
 63 100
 65 201.6 24.1 36.1#



#47
 Bromodichloromethane
 Concen: 0.227 ug/l
 RT: 7.85 min Scan# 1098
 Delta R.T. -0.05 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Tgt Ion: 83 Resp: 735
 Ion Ratio Lower Upper
 83 100
 85 182.6 50.8 76.2#
 127 0.0 6.4 9.6#

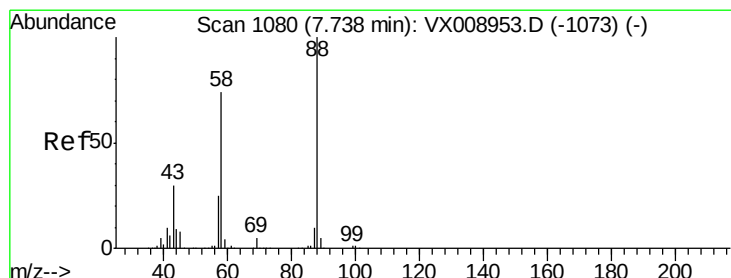
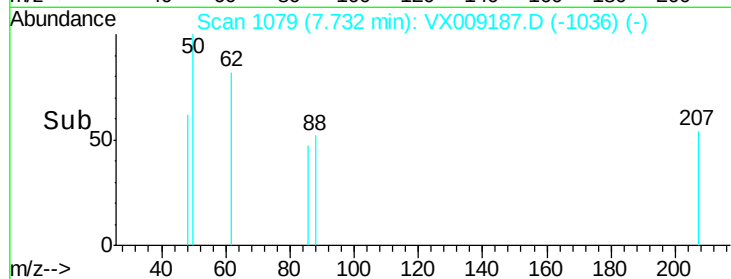
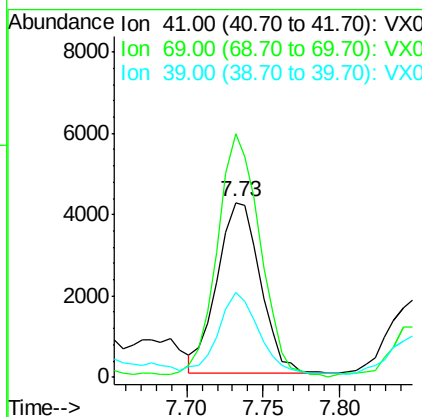
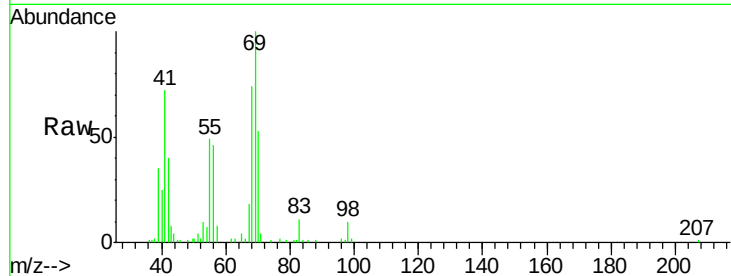




#48
Methvl methacrylate
Concen: 2.319 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

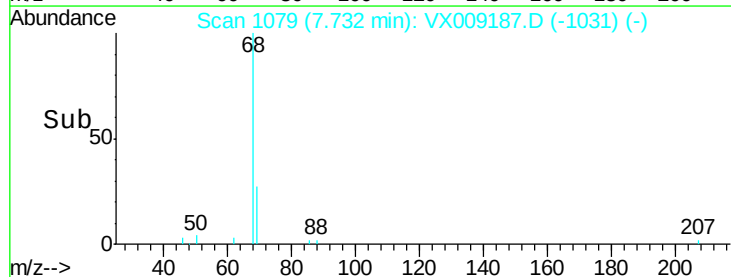
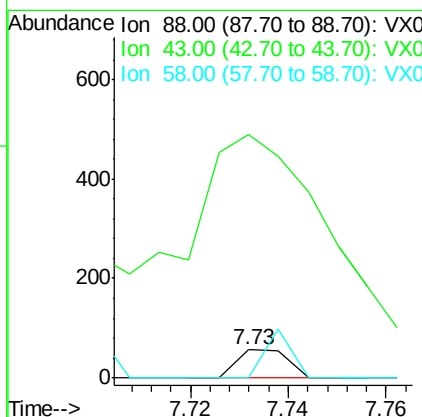
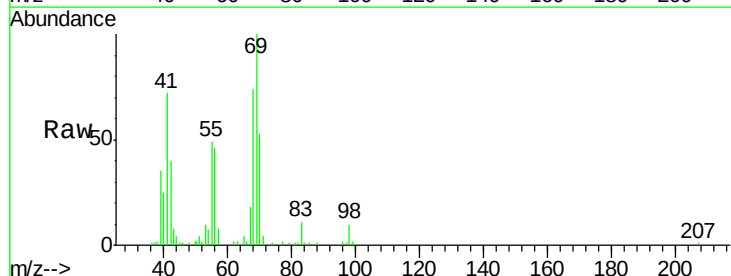
Instrument :
MSVOA_X
ClientSampled :
S81-0105

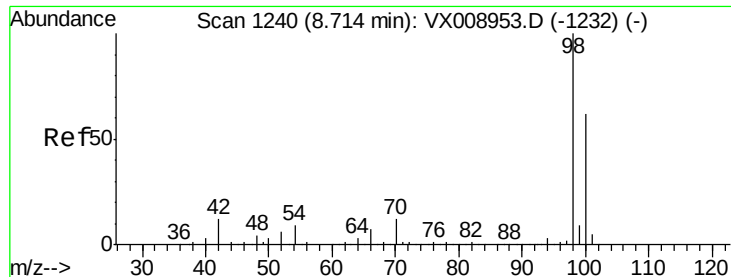
Tot Ion: 41 Resp: 8246
Ion Ratio Lower Upper
41 100
69 142.8 59.4 89.2#
39 44.2 39.8 59.6



#49
1,4-Dioxane
Concen: 0.616 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 2726.8 29.3 43.9#
58 87.8 62.6 93.8





#50

Toluene-d8

Concen: 49.284 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

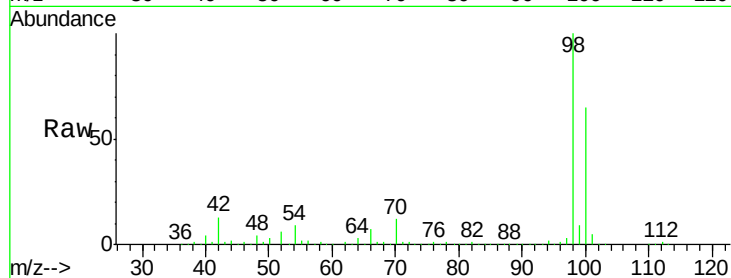
S81-0105

Tot Ion: 98 Resp: 423354

Ion Ratio Lower Upper

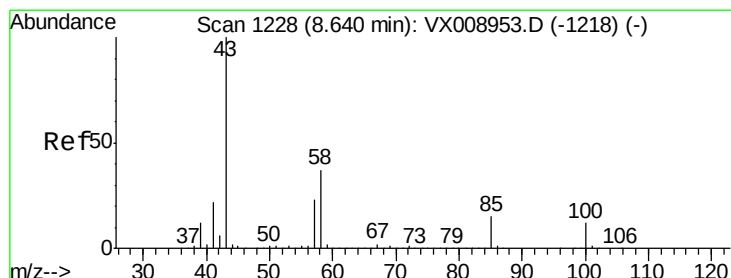
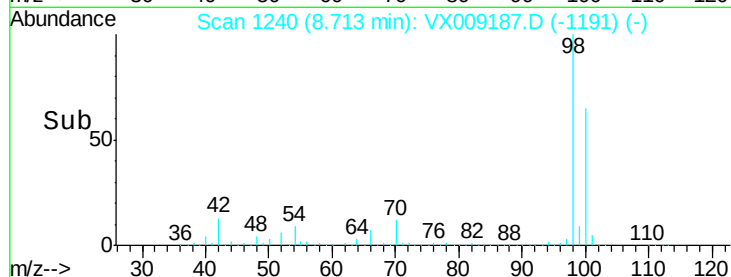
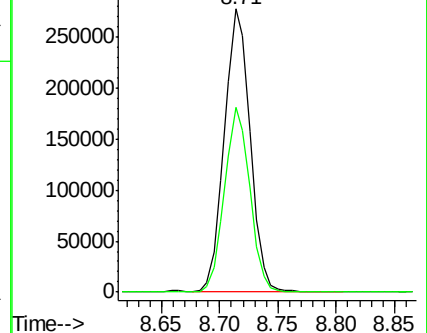
98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 1.059 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX009187.D

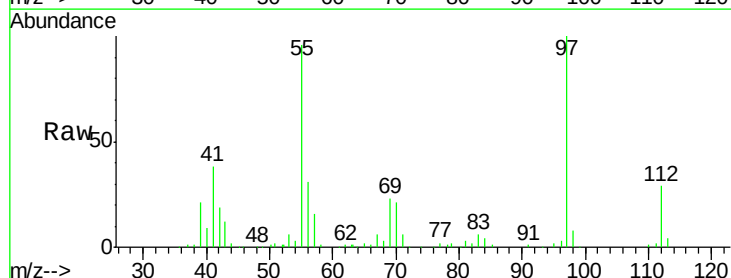
Acq: 26 Apr 2019 14:13

Tgt Ion: 43 Resp: 4858

Ion Ratio Lower Upper

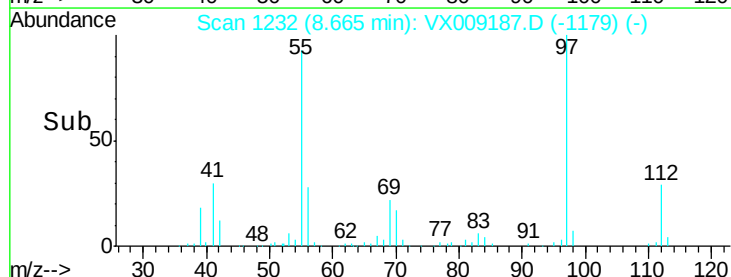
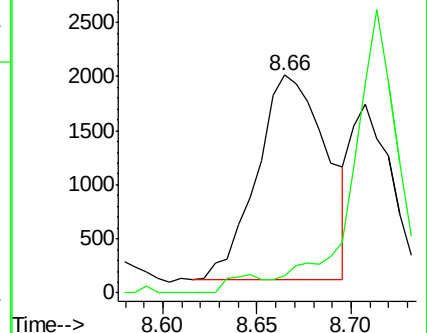
43 100

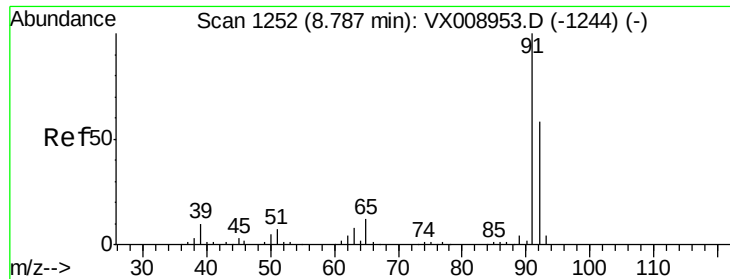
58 4.3 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 1.503 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

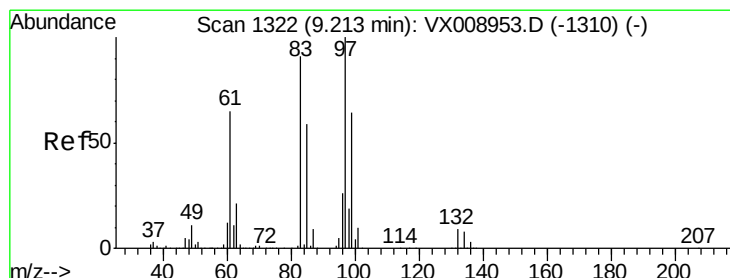
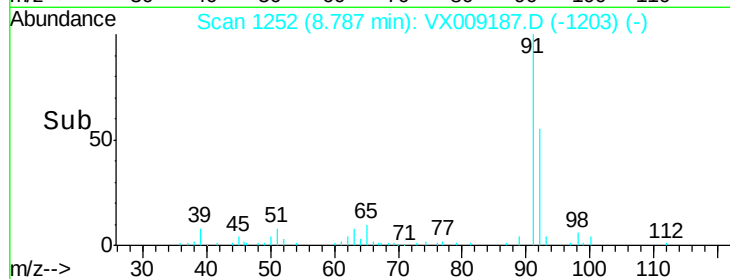
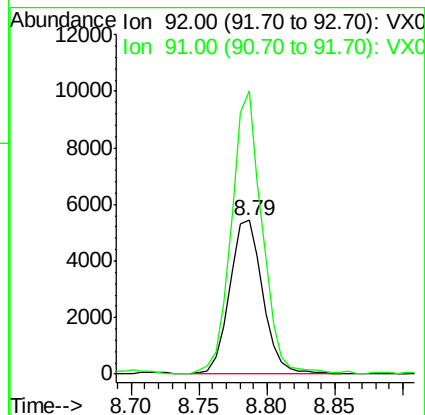
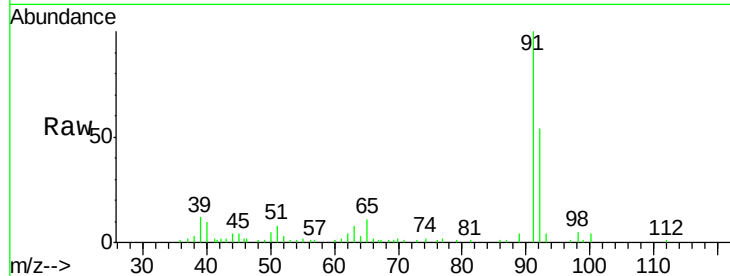
S81-0105

Tot Ion: 92 Resp: 9226

Ion Ratio Lower Upper

92 100

91 171.4 138.5 207.7



#55

1,1,2-Trichloroethane

Concen: 5.536 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion: 97 Resp: 13465

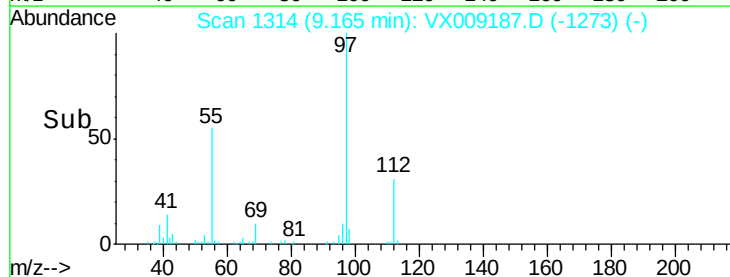
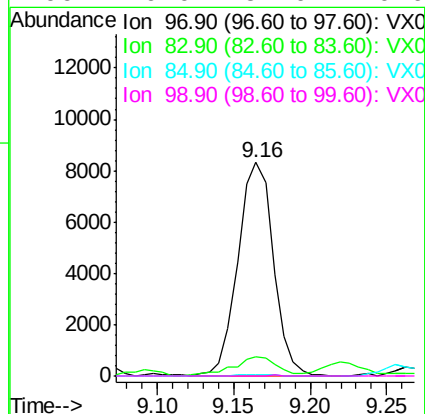
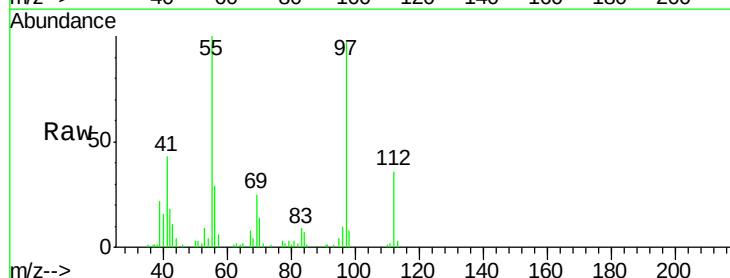
Ion Ratio Lower Upper

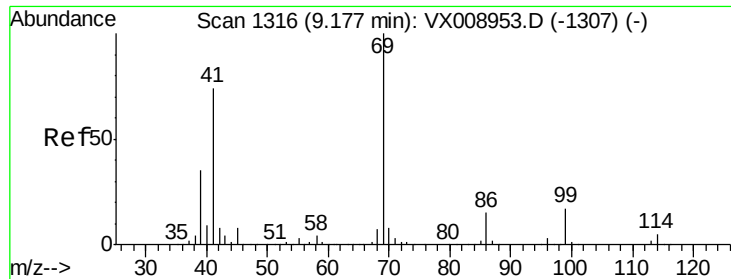
97 100

83 8.4 72.6 108.8#

85 0.9 46.9 70.3#

99 0.0 51.0 76.6#





#56

Ethyl methacrylate

Concen: 0.799 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

S81-0105

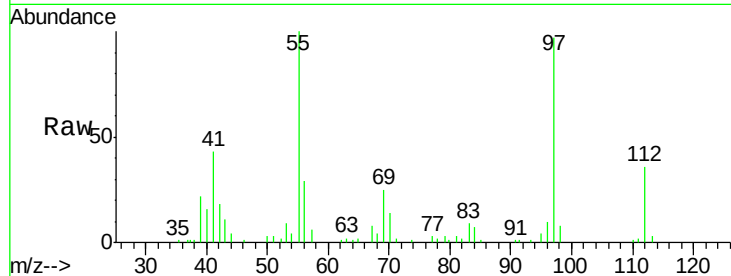
Tot Ion: 69 Resp: 3485

Ion Ratio Lower Upper

69 100

41 171.7 60.2 90.2#

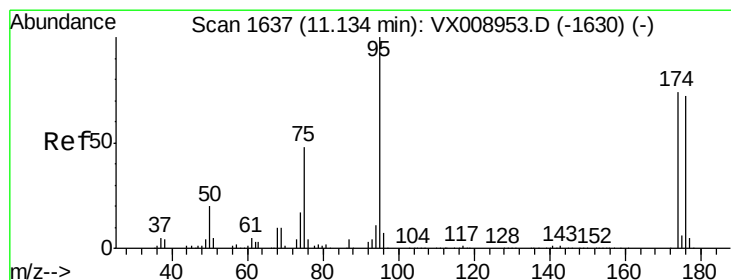
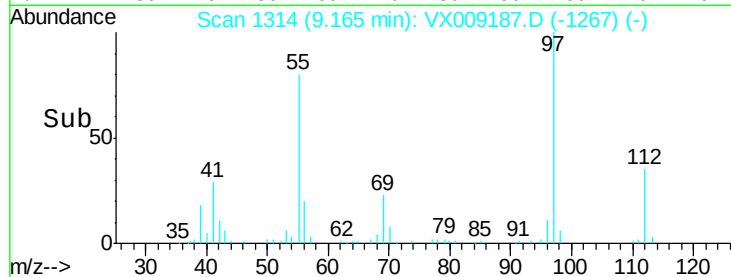
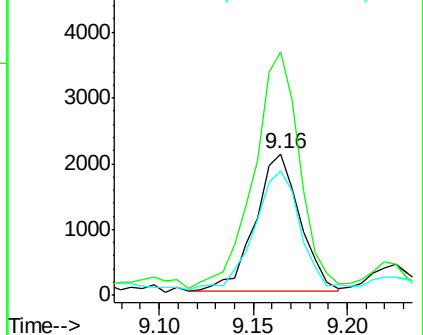
39 87.8 27.9 41.9#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.531 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

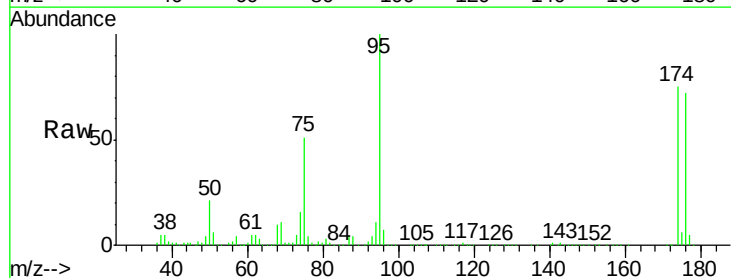
Tgt Ion: 95 Resp: 144128

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.6

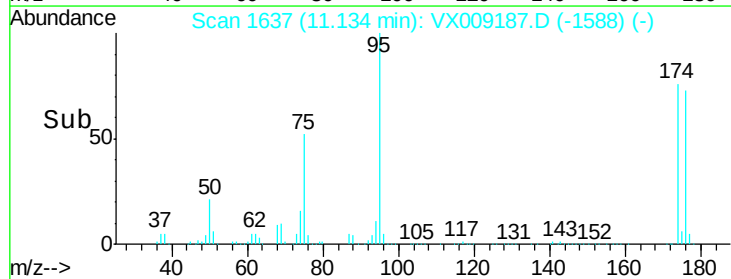
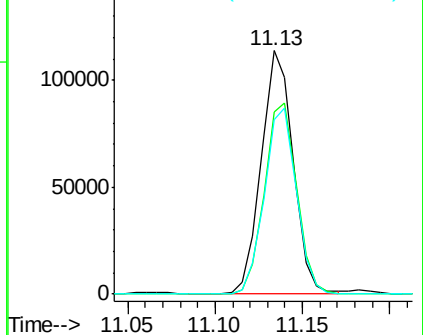
176 77.3 0.0 154.8

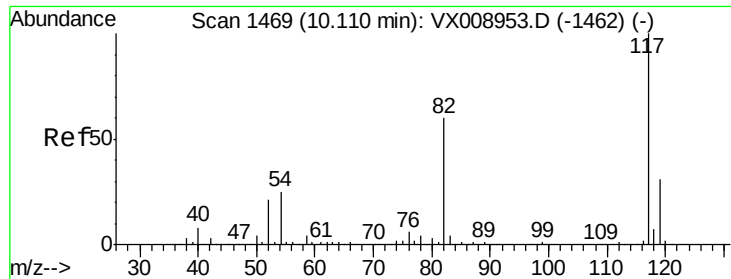


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

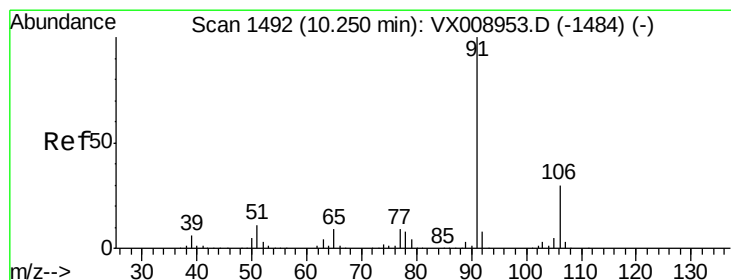
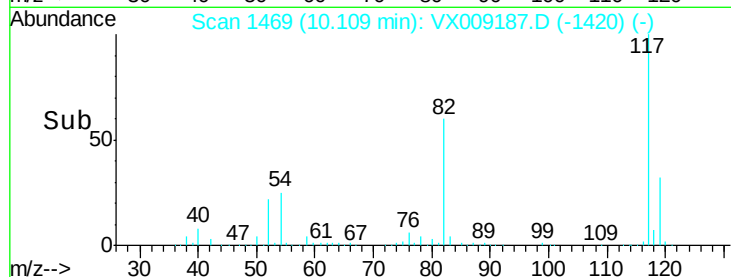
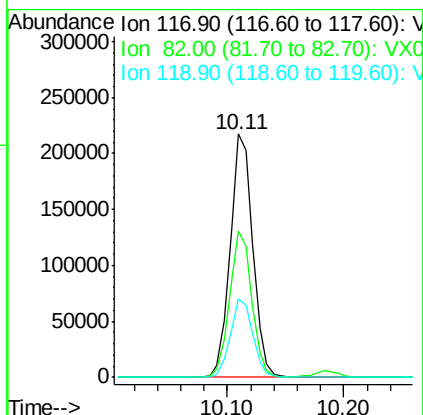
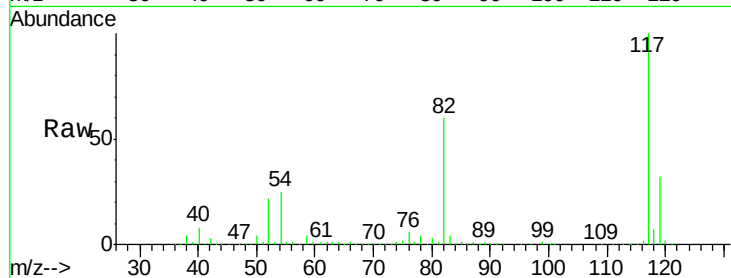




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

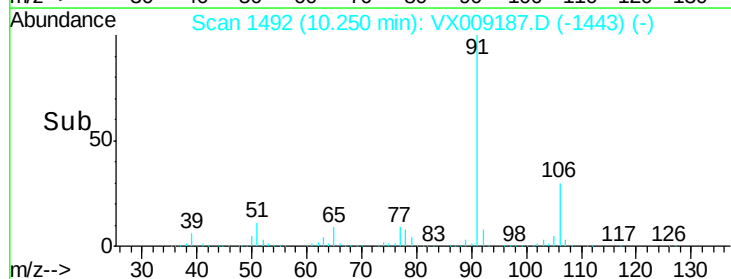
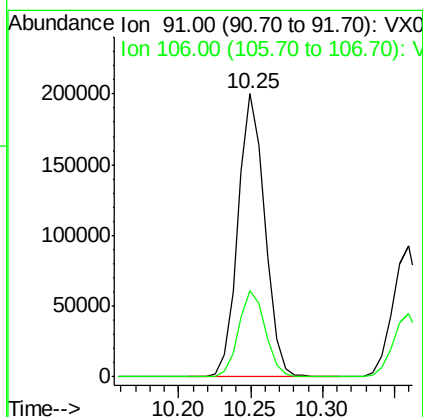
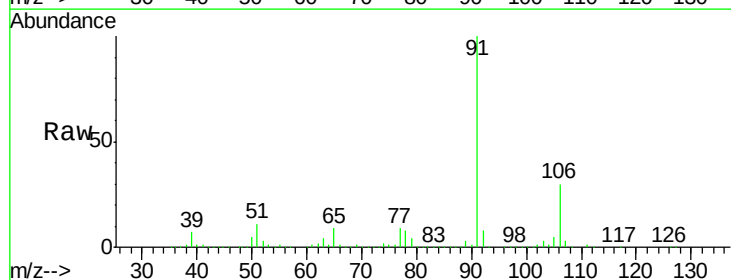
Instrument :
MSVOA_X
ClientSampled :
S81-0105

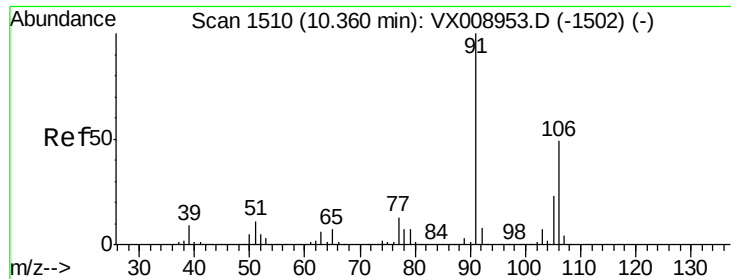
Tot Ion:117 Resp: 293721
Ion Ratio Lower Upper
117 100
82 60.1 48.2 72.4
119 32.0 25.0 37.6



#67
Ethyl Benzene
Concen: 22.886 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion: 91 Resp: 259370
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

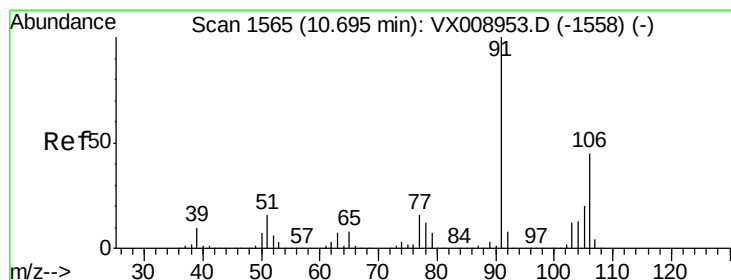
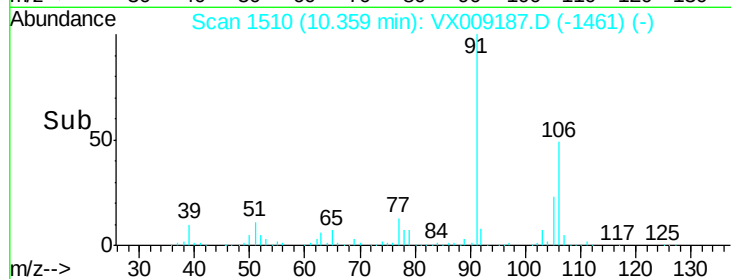
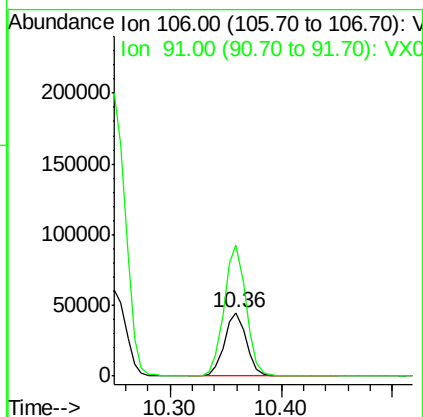
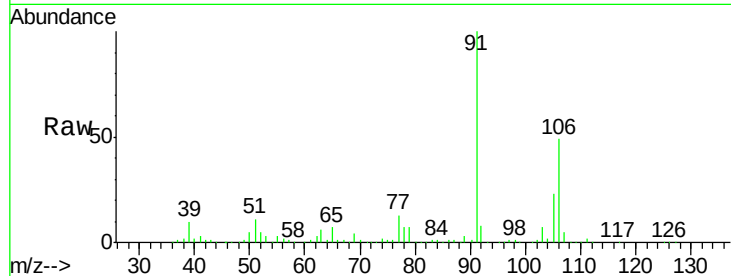




#68
m/p-Xylenes
Concen: 14.822 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

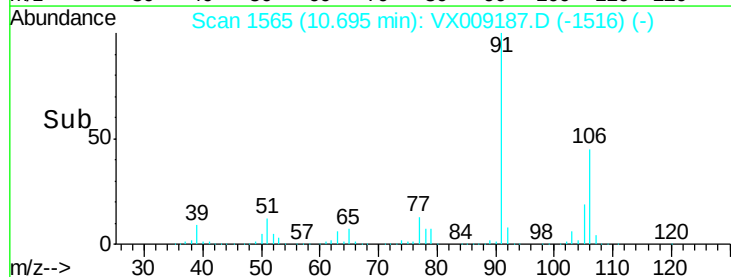
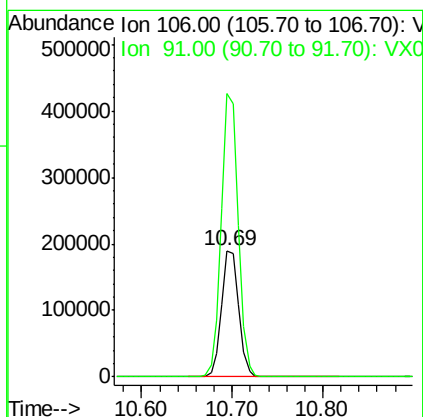
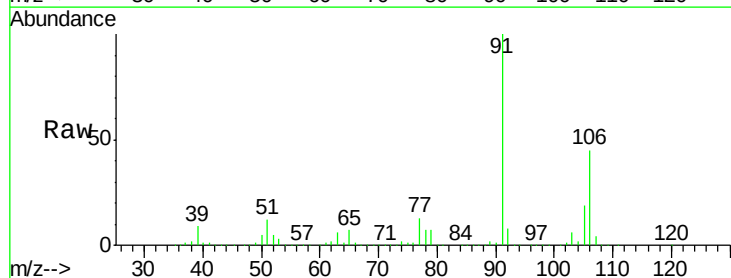
Instrument :
MSVOA_X
ClientSampled :
S81-0105

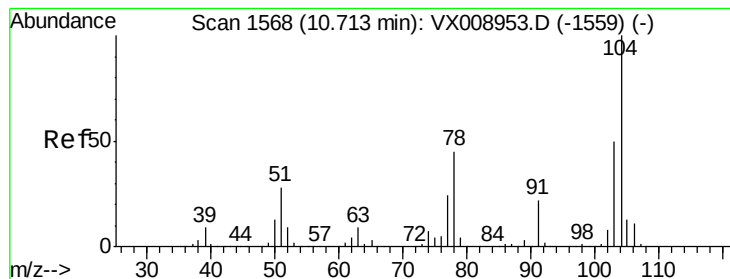
Tot Ion:106 Resp: 61050
Ion Ratio Lower Upper
106 100
91 205.8 165.4 248.2



#69
o-Xylene
Concen: 62.681 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion:106 Resp: 251202
Ion Ratio Lower Upper
106 100
91 221.3 108.9 326.7





#70

Stvrene

Concen: 1.892 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

S81-0105

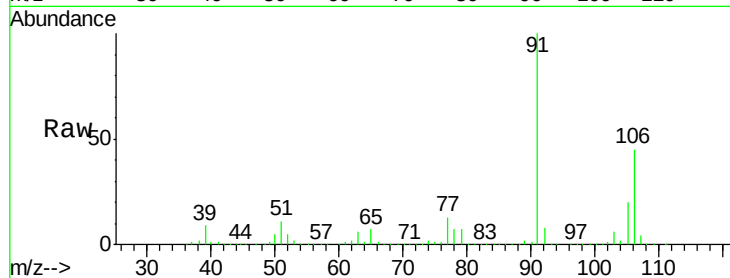
Tot Ion:104 Resp: 13141

Ion Ratio Lower Upper

104 100

78 286.4 41.2 61.8#

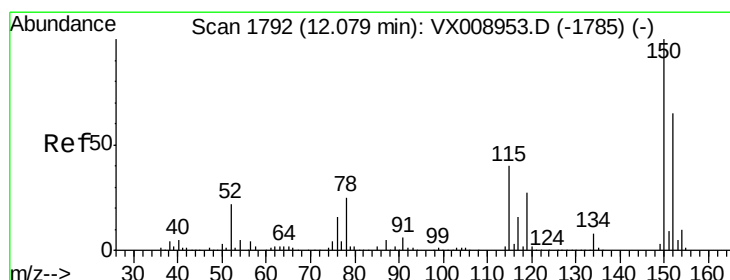
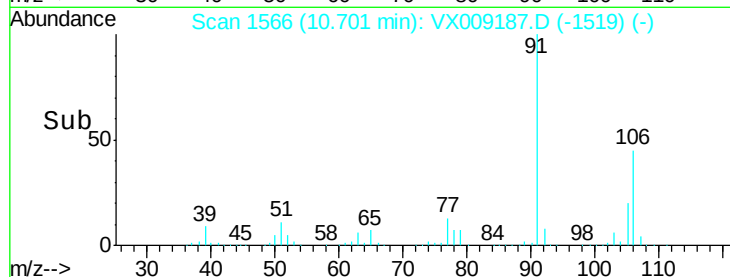
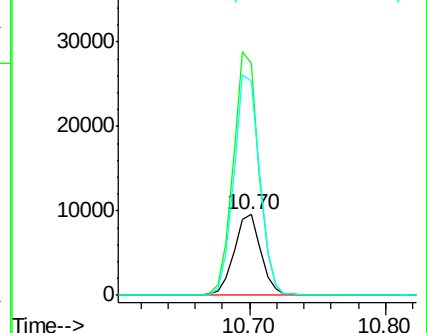
103 262.6 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

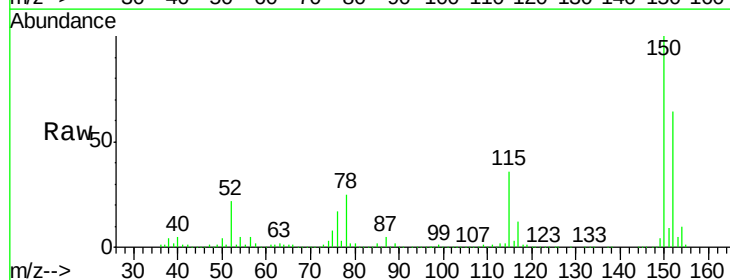
Tgt Ion:152 Resp: 131332

Ion Ratio Lower Upper

152 100

115 59.3 41.4 124.2

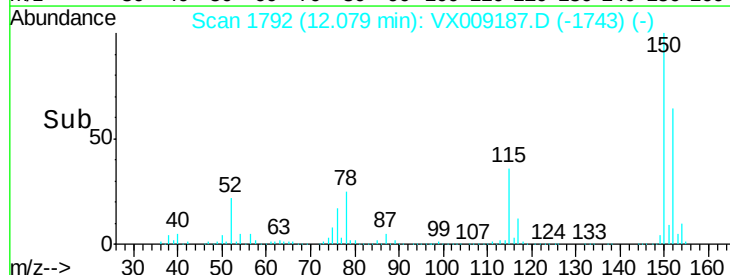
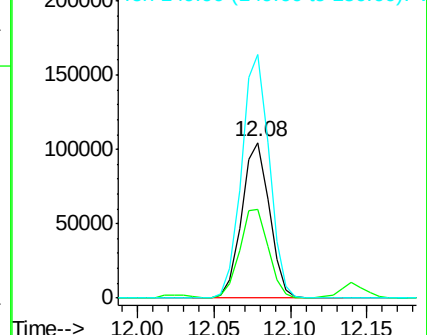
150 156.0 0.0 349.8

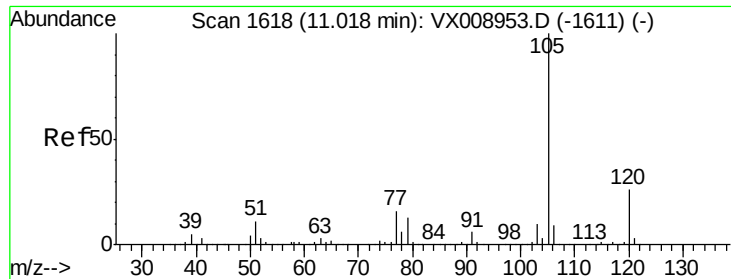


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.526 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

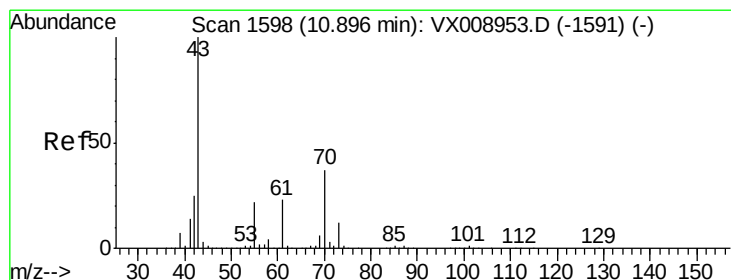
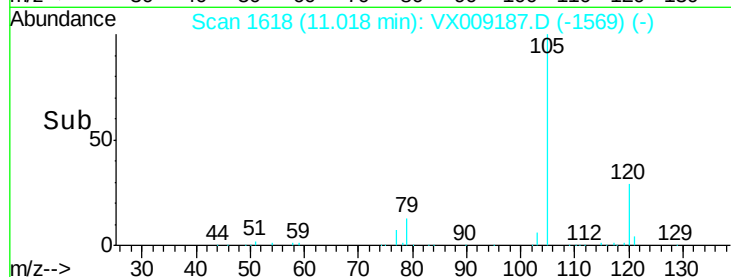
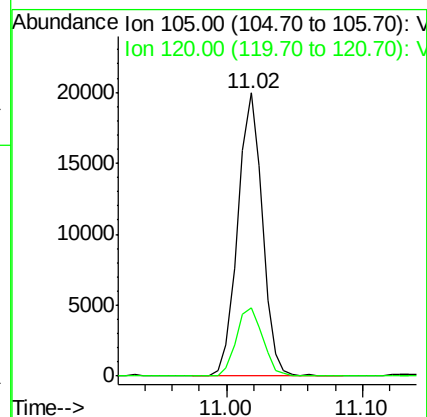
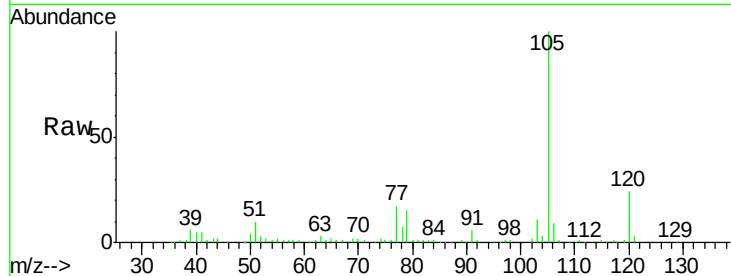
S81-0105

Tot Ion:105 Resp: 25146

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 0.437 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion: 43 Resp: 2497

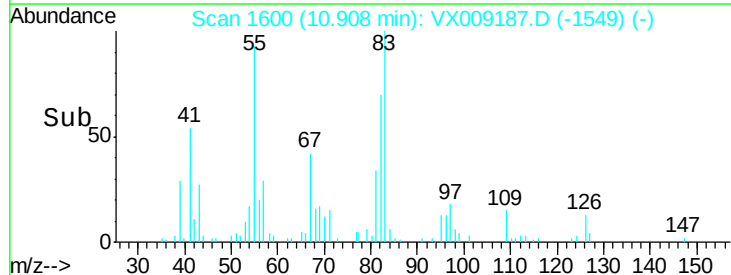
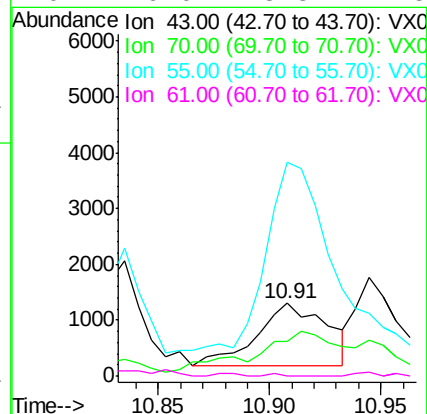
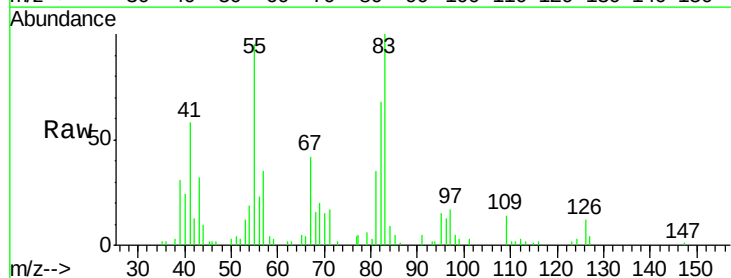
Ion Ratio Lower Upper

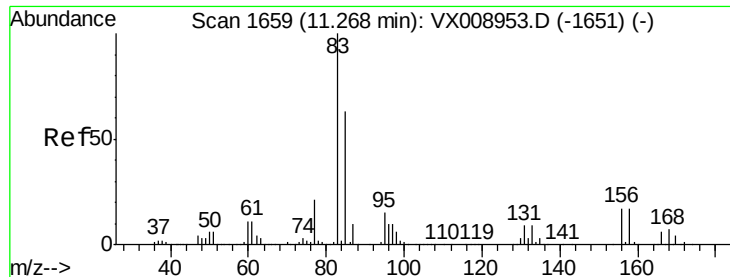
43 100

70 77.3 29.9 44.9#

55 289.9 17.8 26.8#

61 0.0 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.442 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

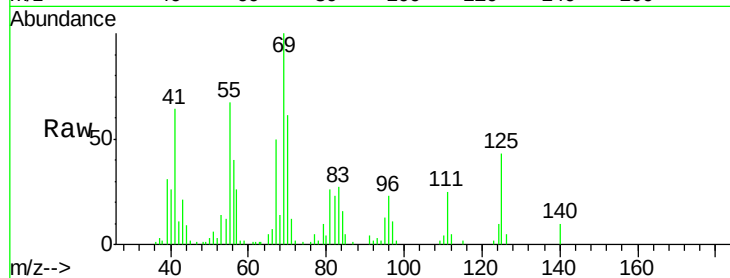
Tot Ion: 83 Resp: 1606

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

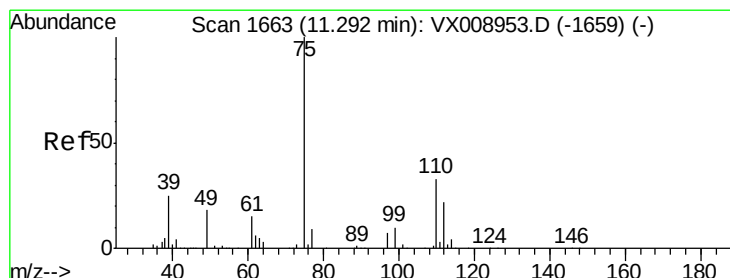
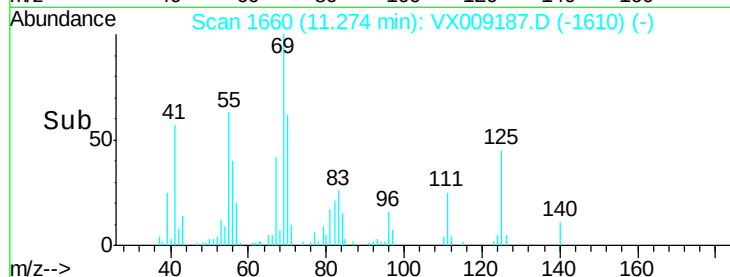
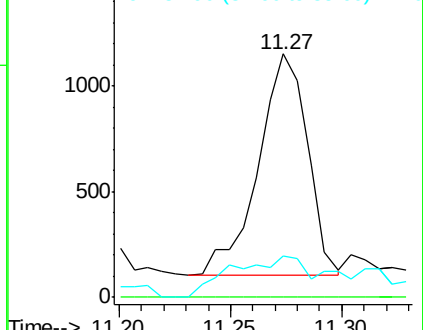
85 33.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.012 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009187.D

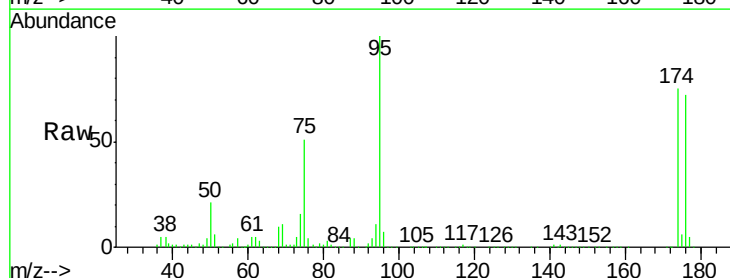
Acq: 26 Apr 2019 14:13

Tgt Ion: 75 Resp: 73797

Ion Ratio Lower Upper

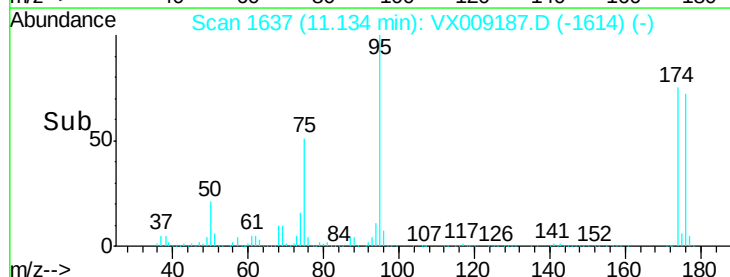
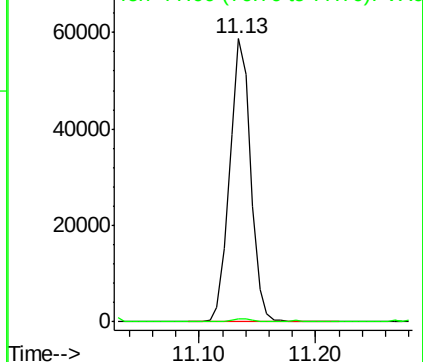
75 100

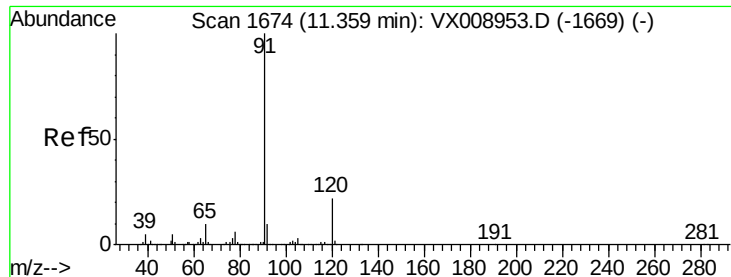
77 1.0 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 2.832 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

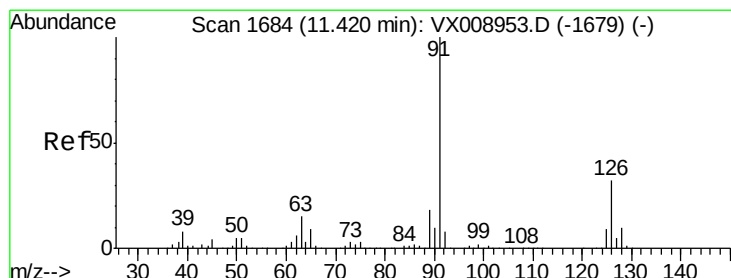
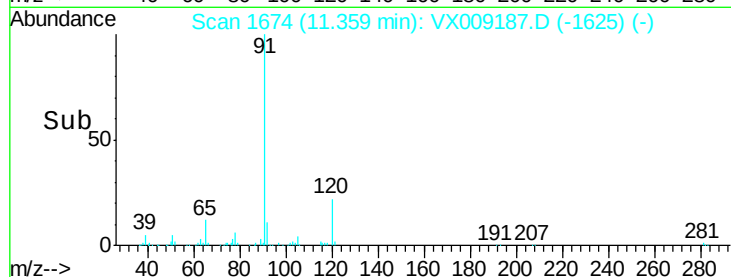
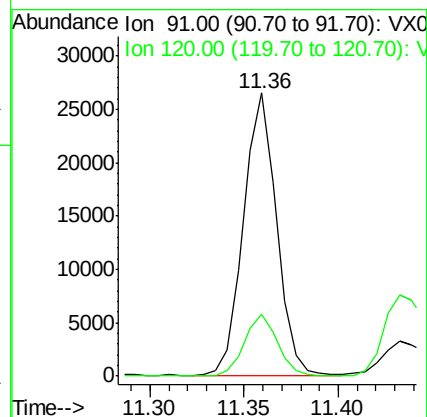
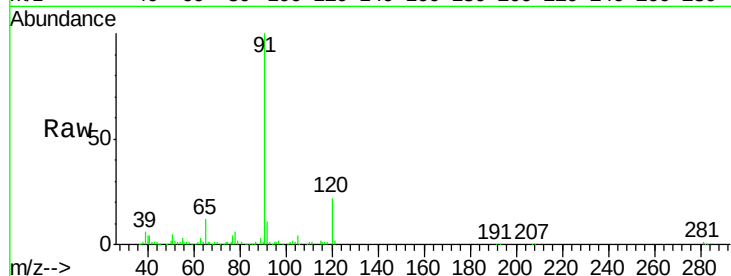
S81-0105

Tot Ion: 91 Resp: 32357

Ion Ratio Lower Upper

91 100

120 21.9 10.9 32.9



#79

2-Chlorotoluene

Concen: 1.044 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX009187.D

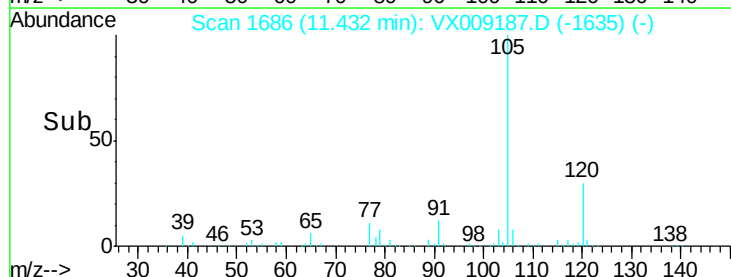
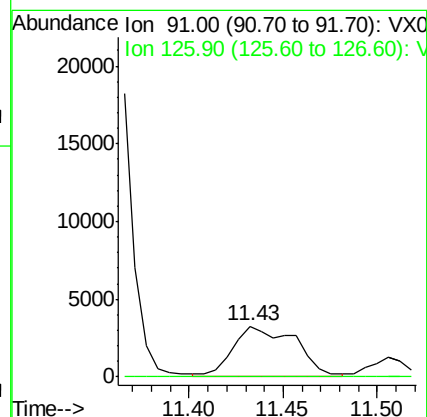
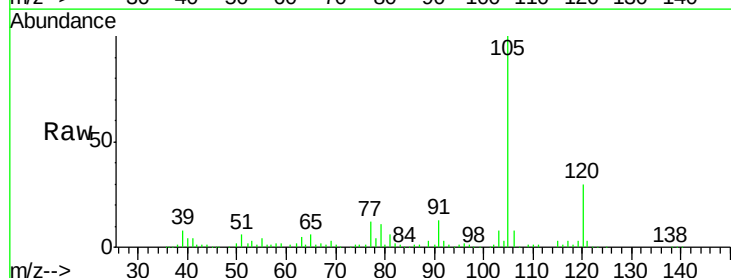
Acq: 26 Apr 2019 14:13

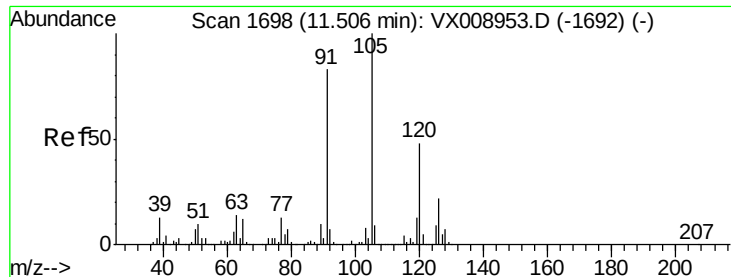
Tgt Ion: 91 Resp: 7190

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.9#

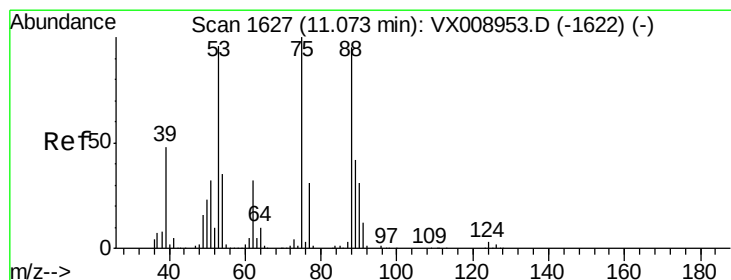
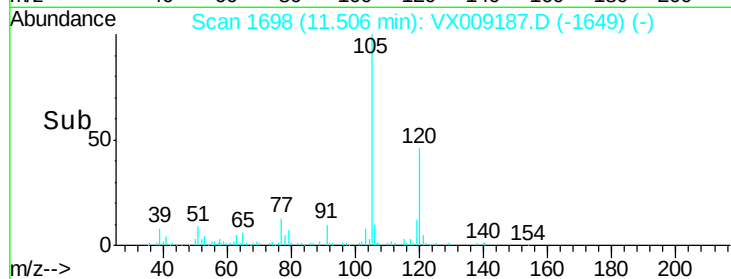
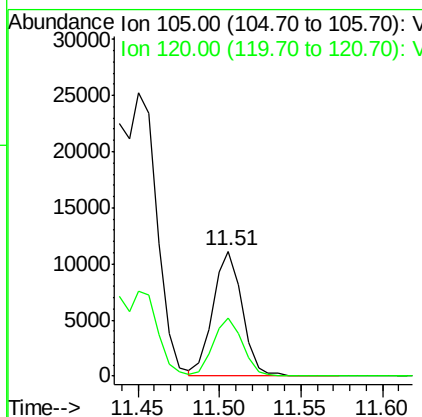
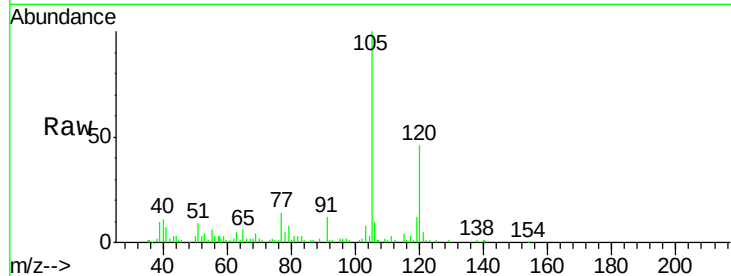




#80
 1,3,5-Trimethylbenzene
 Concen: 1.688 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

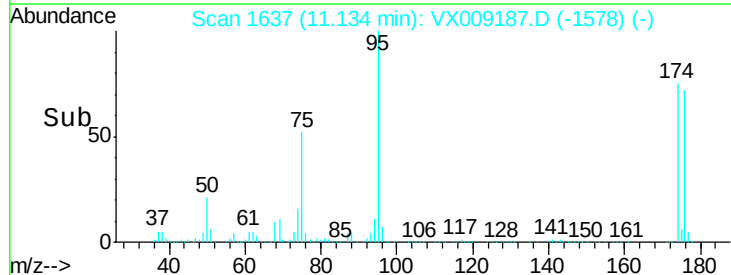
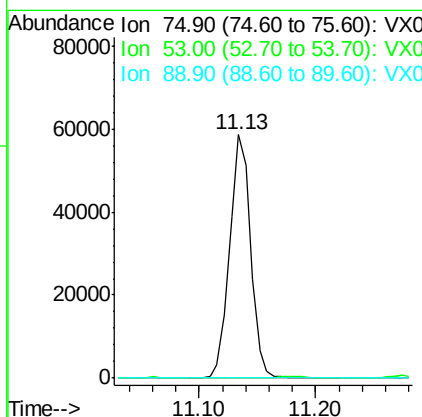
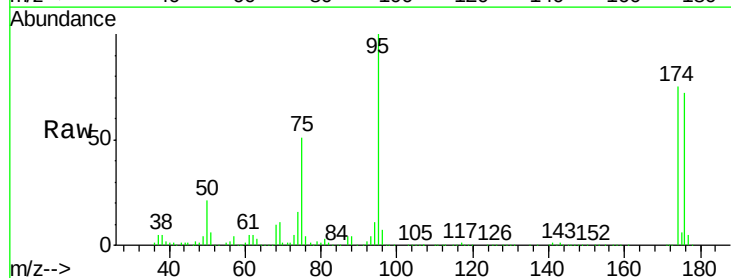
Instrument :
 MSVOA_X
 ClientSampled :
 S81-0105

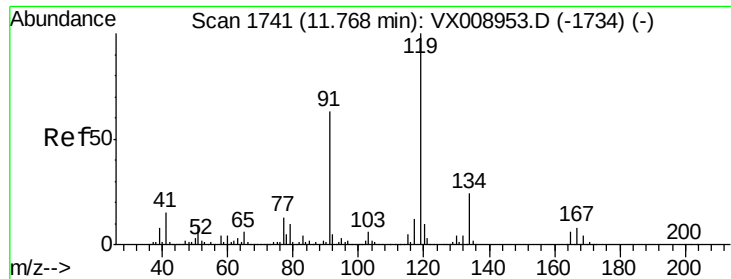
Tot Ion:105 Resp: 14105
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.079 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Tgt Ion: 75 Resp: 73797
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.2 117.4#
 89 0.0 36.0 54.0#

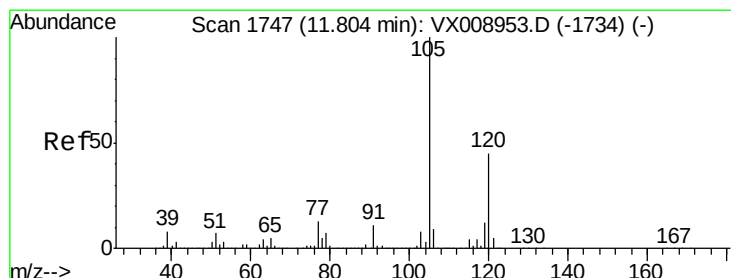
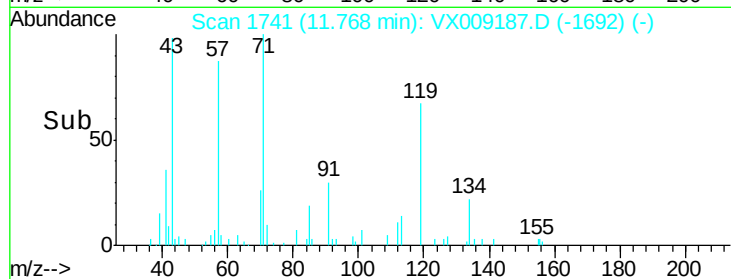
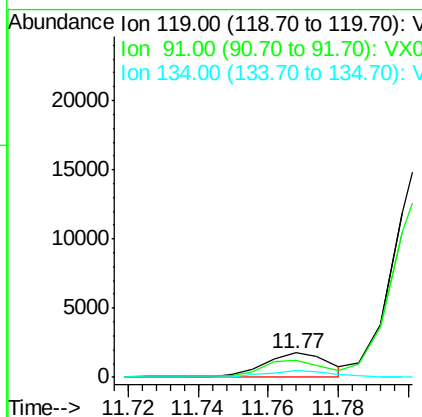
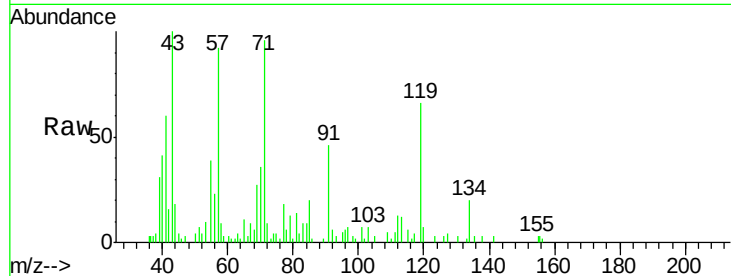




#83
 tert-Butylbenzene
 Concen: 0.276 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

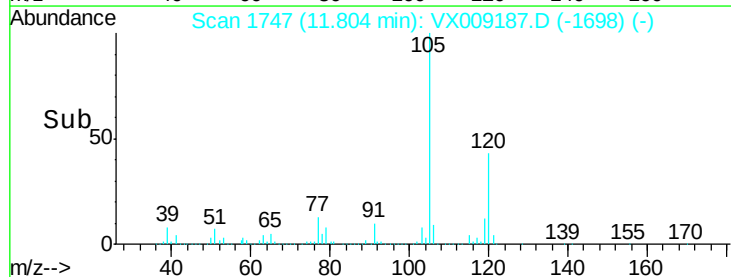
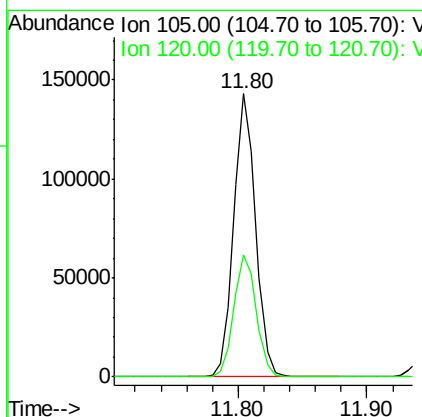
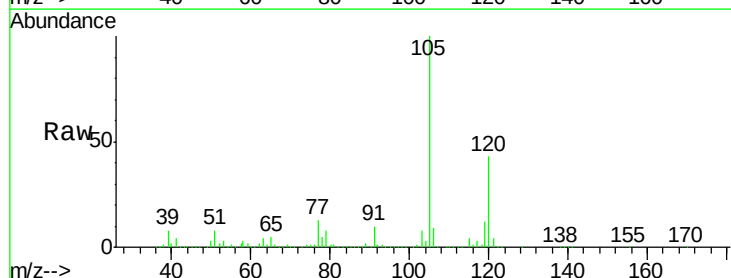
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0105

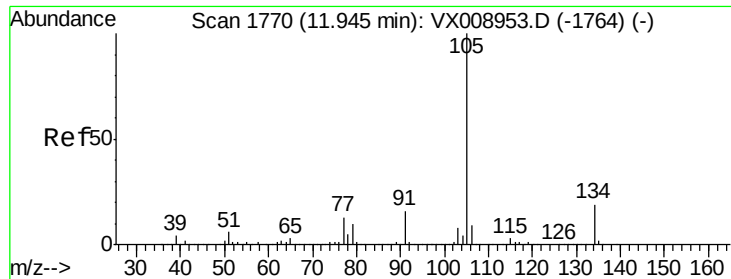
Tot Ion:119 Resp: 2210
 Ion Ratio Lower Upper
 119 100
 91 65.3 29.7 89.1
 134 29.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.939 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Tgt Ion:105 Resp: 169545
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.8

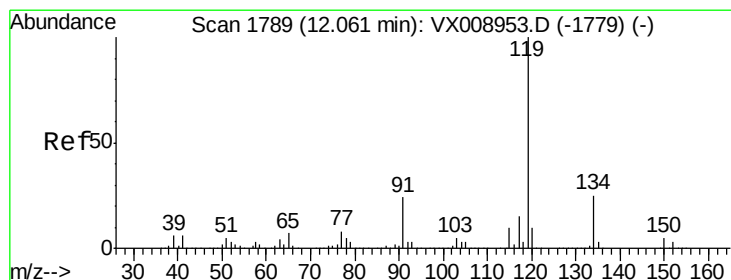
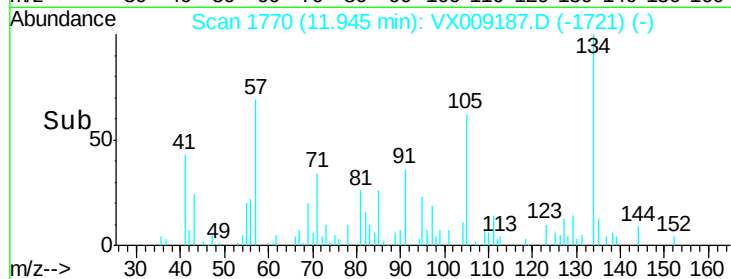
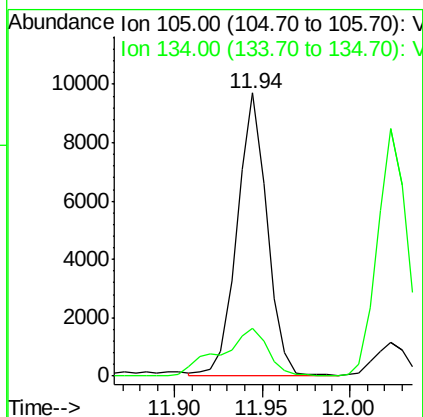
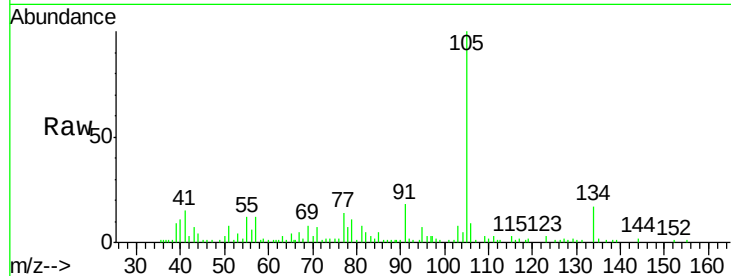




#85
 sec-Butylbenzene
 Concen: 1.211 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

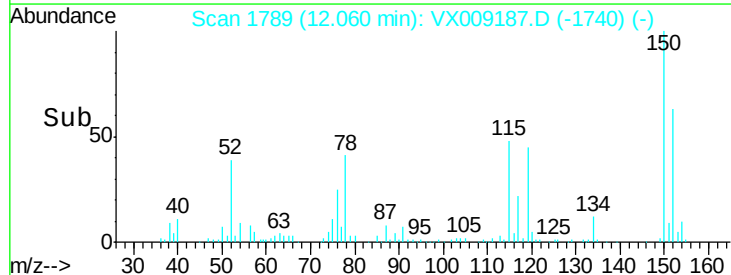
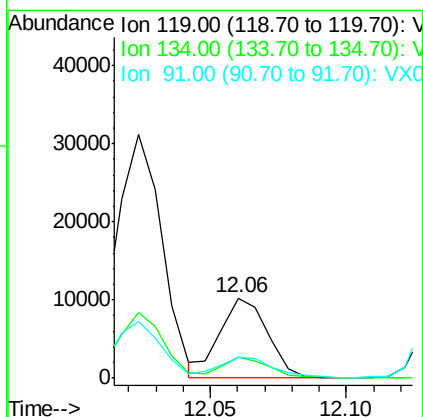
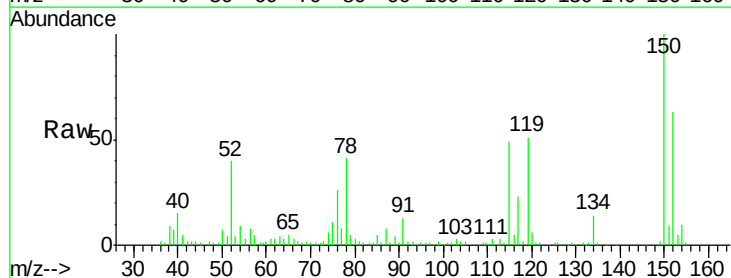
Instrument :
 MSVOA_X
 ClientSampled :
 S81-0105

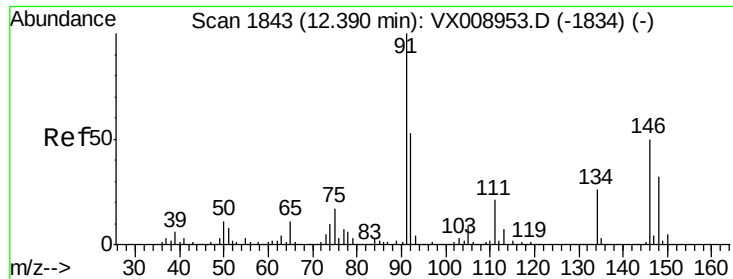
Tot Ion:105 Resp: 11580
 Ion Ratio Lower Upper
 105 100
 134 26.9 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 1.395 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Tgt Ion:119 Resp: 12267
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 28.2 11.9 35.5





#89

n-Butylbenzene

Concen: 1.146 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

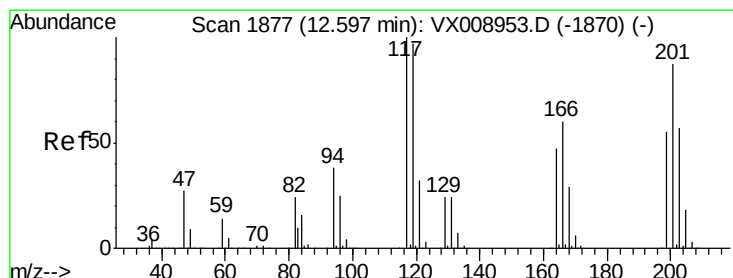
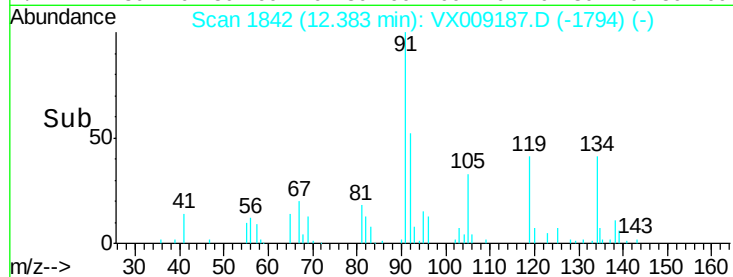
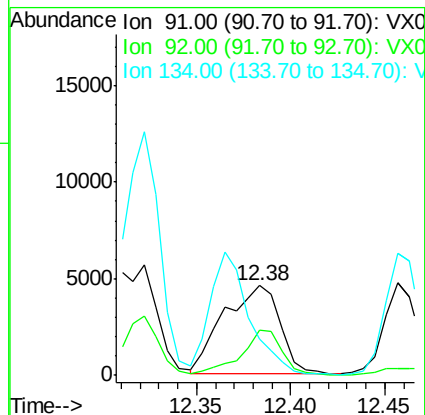
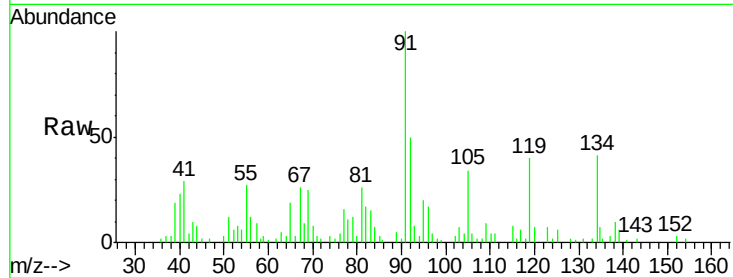
Tot Ion: 91 Resp: 9387

Ion Ratio Lower Upper

91 100

92 37.8 26.6 79.8

134 99.9 12.4 37.2#



#90

Hexachloroethane

Concen: 1.636 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX009187.D

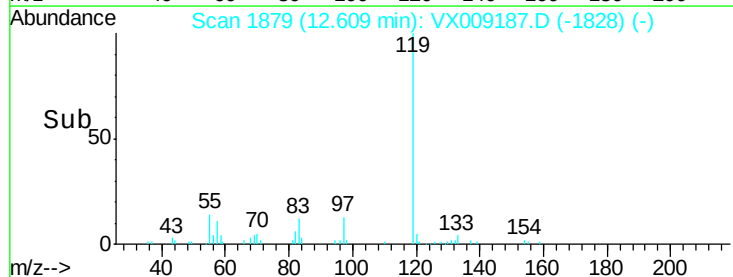
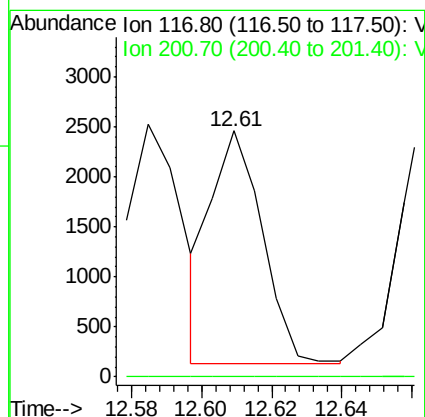
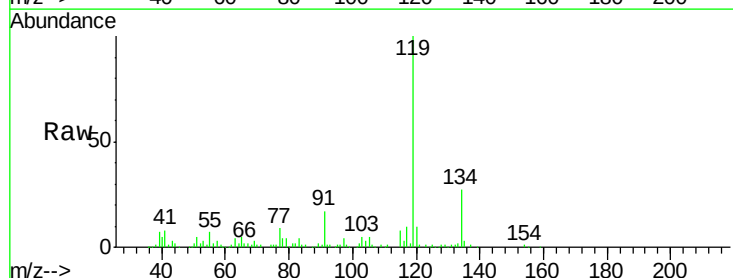
Acq: 26 Apr 2019 14:13

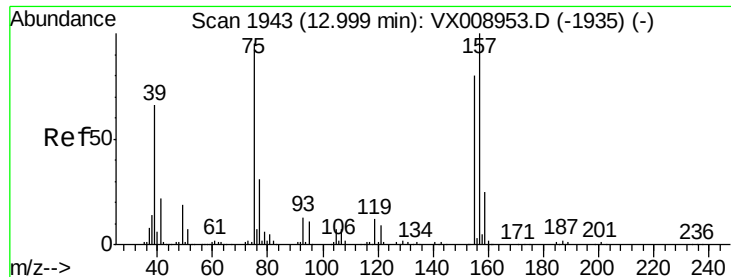
Tgt Ion: 117 Resp: 2374

Ion Ratio Lower Upper

117 100

201 0.0 43.0 129.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.523 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

S81-0105

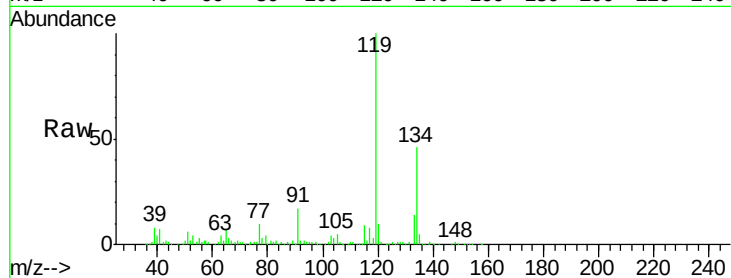
Tot Ion: 75 Resp: 433

Ion Ratio Lower Upper

75 100

155 0.0 41.2 123.6#

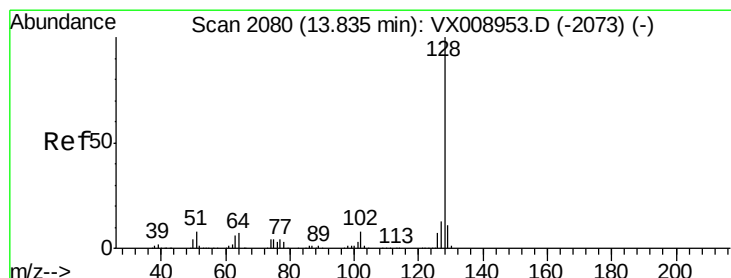
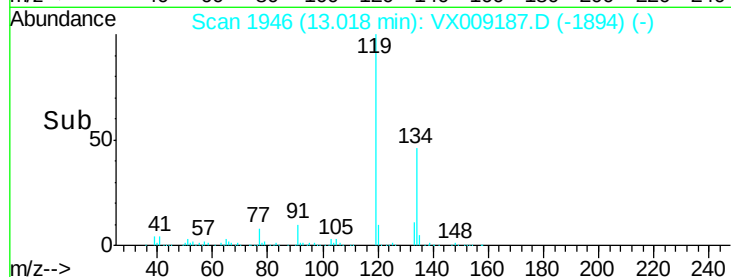
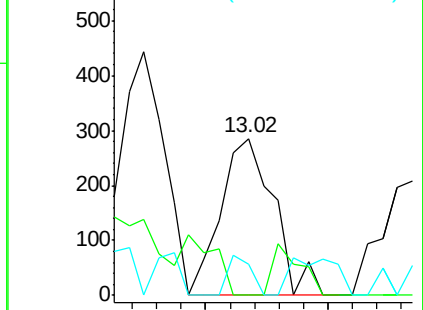
157 11.1 52.5 157.6#



Abundance Ion 74.90 (74.60 to 75.60): VX

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 4.470 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

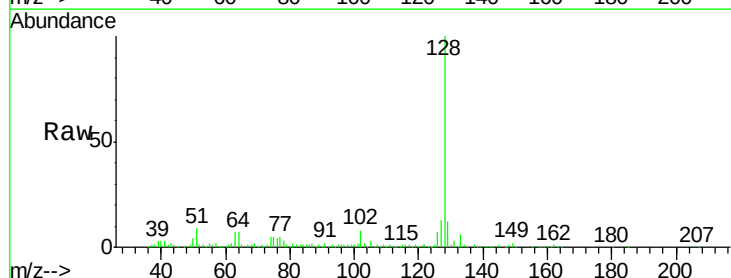
Tgt Ion:128 Resp: 44876

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

129 15.1 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

