

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
 Data File : VX006987.D
 Acq On : 10 Jan 2019 14:01
 Operator : JC/MD
 Sample : VX0110WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Quant Time: Jan 11 07:11:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	522176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	788878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	709896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	354049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	280183	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	5.51	113	248440	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	929598	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	322149	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95614	22.298	ug/l	100
3) Chloromethane	1.33	50	103818	20.797	ug/l	97
4) Vinyl Chloride	1.41	62	108586	20.222	ug/l	99
5) Bromomethane	1.64	94	114434	19.946	ug/l	98
6) Chloroethane	1.72	64	70846	18.895	ug/l	97
7) Trichlorofluoromethane	1.93	101	175695	20.250	ug/l	97
8) Diethyl Ether	2.19	74	67908	19.673	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102644	19.760	ug/l	98
10) Methyl Iodide	2.51	142	139107	19.853	ug/l	100
11) Tert butyl alcohol	3.07	59	138019	107.215	ug/l	100
12) 1,1-Dichloroethene	2.37	96	95700	19.941	ug/l	98
13) Acrolein	2.30	56	49085	90.403	ug/l	94
14) Allyl chloride	2.73	41	162993	19.817	ug/l	97
15) Acrylonitrile	3.15	53	310487	105.064	ug/l	99
16) Acetone	2.45	43	279484	103.595	ug/l	98
17) Carbon Disulfide	2.57	76	224956	18.206	ug/l	97
18) Methyl Acetate	2.78	43	163578	20.937	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	339585	20.386	ug/l	98
20) Methylene Chloride	2.85	84	111560	21.417	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	103878	19.423	ug/l	98
22) Diisopropyl ether	3.87	45	313686	20.287	ug/l	98
23) Vinyl Acetate	3.82	43	1300317	99.717	ug/l	100
24) 1,1-Dichloroethane	3.70	63	174708	20.206	ug/l	99
25) 2-Butanone	4.70	43	411408	106.576	ug/l	100
26) 2,2-Dichloropropane	4.58	77	119756	18.012	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	116045	19.671	ug/l	99
28) Bromochloromethane	5.02	49	78624	20.755	ug/l	97
29) Tetrahydrofuran	5.15	42	265277	105.744	ug/l	98
30) Chloroform	5.22	83	184024	20.328	ug/l	99
31) Cyclohexane	5.57	56	155426	20.197	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	150678	19.637	ug/l	97
36) 1,1-Dichloropropene	5.80	75	132523	19.322	ug/l	99
37) Ethyl Acetate	4.85	43	151037	20.541	ug/l	98
38) Carbon Tetrachloride	5.79	117	127922	18.538	ug/l	99

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0110WBSD01

Quant Time: Jan 11 07:11:51 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165008	18.872	ug/l	98
40) Benzene	6.14	78	413918	19.778	ug/l	97
41) Methacrylonitrile	5.06	41	83594	19.734	ug/l	98
42) 1,2-Dichloroethane	6.20	62	141302	19.539	ug/l	99
43) Isopropyl Acetate	6.46	43	232509	20.046	ug/l	98
44) Trichloroethene	7.21	130	121300	19.342	ug/l	94
45) 1,2-Dichloropropane	7.52	63	103174	19.610	ug/l	99
46) Dibromomethane	7.66	93	72471	19.599	ug/l	99
47) Bromodichloromethane	7.90	83	121241	19.263	ug/l	98
48) Methyl methacrylate	7.77	41	115809	19.443	ug/l	98
49) 1,4-Dioxane	7.76	88	60109	437.073	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	782505	104.979	ug/l	99
52) Toluene	8.78	92	262549	19.519	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	129079	18.495	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	148169	19.224	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	112254	20.850	ug/l	97
56) Ethyl methacrylate	9.18	69	159480	20.290	ug/l	96
57) 1,3-Dichloropropane	9.37	76	179032	20.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	389104	96.284	ug/l	99
59) 2-Hexanone	9.49	43	588815	103.659	ug/l	99
60) Dibromochloromethane	9.59	129	104207	19.933	ug/l	98
61) 1,2-Dibromoethane	9.67	107	118522	19.996	ug/l	100
64) Tetrachloroethene	9.34	164	120005	19.525	ug/l	98
65) Chlorobenzene	10.14	112	304222	19.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	102588	19.696	ug/l	99
67) Ethyl Benzene	10.25	91	496854	19.438	ug/l	100
68) m/p-Xylenes	10.36	106	390121	38.739	ug/l	98
69) o-Xylene	10.70	106	190706	19.417	ug/l	98
70) Styrene	10.71	104	304379	19.568	ug/l	99
71) Bromoform	10.86	173	72507	18.816	ug/l #	99
73) Isopropylbenzene	11.02	105	507980	20.347	ug/l	100
74) N-amyl acetate	10.90	43	200901	19.987	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	161768	20.411	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	173686	24.208	ug/l	93
77) Bromobenzene	11.26	156	138900	20.192	ug/l	99
78) n-propylbenzene	11.36	91	557863	20.355	ug/l	99
79) 2-Chlorotoluene	11.42	91	329145	19.951	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	415931	19.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35993	17.777	ug/l	90
82) 4-Chlorotoluene	11.51	91	376188	19.694	ug/l	99
83) tert-Butylbenzene	11.77	119	407547	19.581	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	433292	20.656	ug/l	100
85) sec-Butylbenzene	11.94	105	504112	20.281	ug/l	99
86) p-Isopropyltoluene	12.07	119	447091	20.109	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	239783	19.285	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	240759	20.523	ug/l	99
89) n-Butylbenzene	12.39	91	368911	19.464	ug/l	99
90) Hexachloroethane	12.60	117	59866	18.794	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	241717	19.700	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31902	20.352	ug/l	99

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0110WBSD01

Quant Time: Jan 11 07:11:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

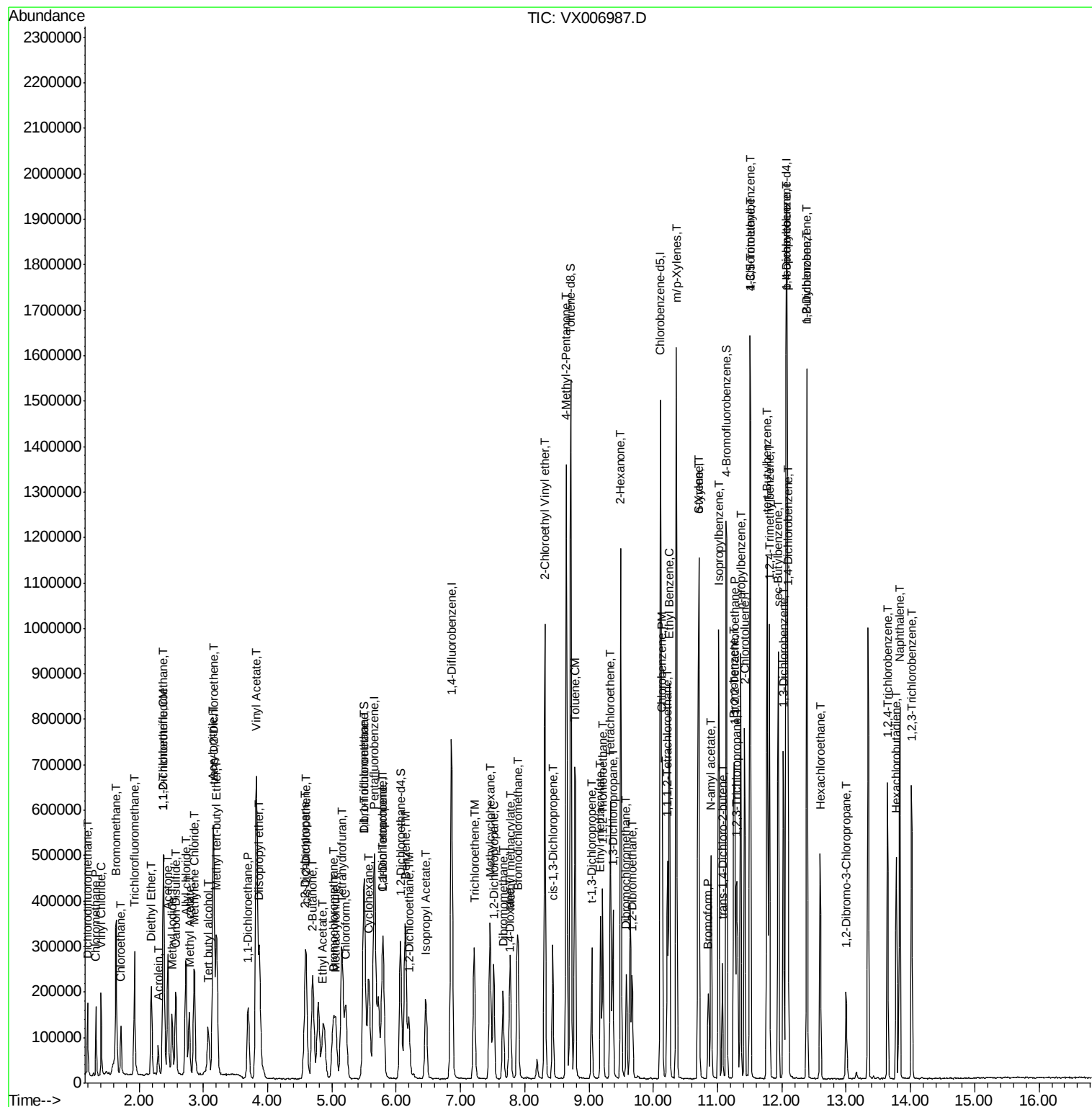
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159014	18.889	ug/l	99
94) Hexachlorobutadiene	13.78	225	70516	18.876	ug/l	100
95) Naphthalene	13.83	128	506339	19.850	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	160043	19.138	ug/l	98

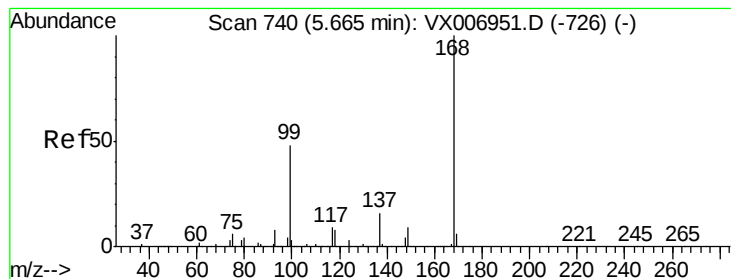
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011019\
Data File : VX006987.D
Acq On : 10 Jan 2019 14:01
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Sample : VX0110WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
Client Sample Id :
VX0110WBSD01

Quant Time: Jan 11 07:11:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

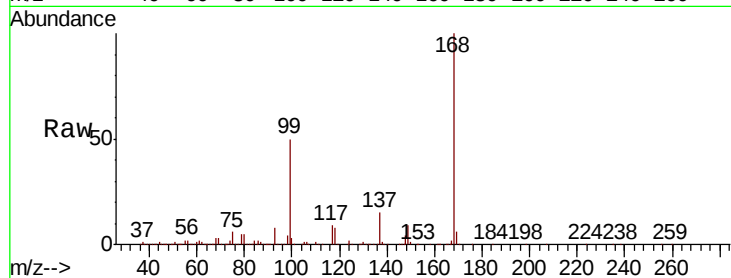
VX0110WBSD01

Tgt Ion:168 Resp: 522176

Ion Ratio Lower Upper

168 100

99 49.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

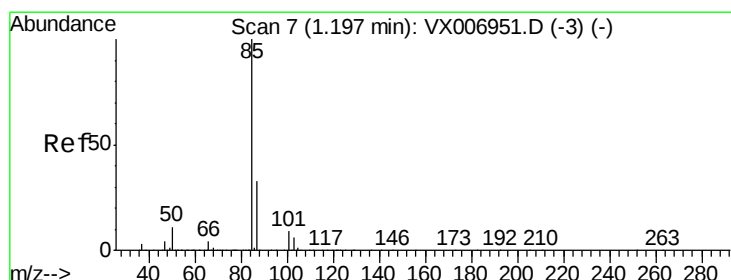
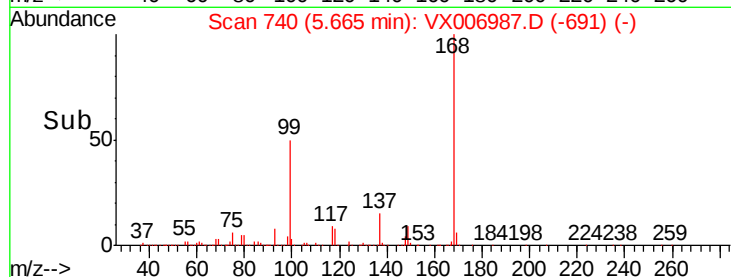
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.298 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006987.D

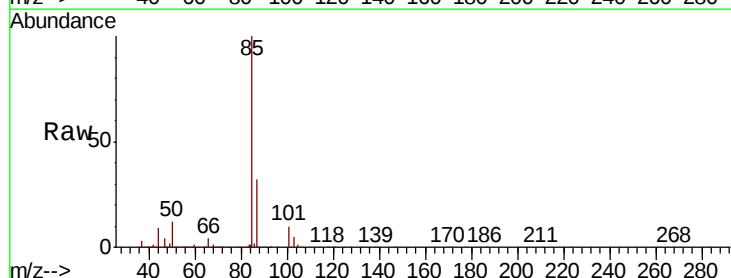
Acq: 10 Jan 2019 14:01

Tgt Ion: 85 Resp: 95614

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

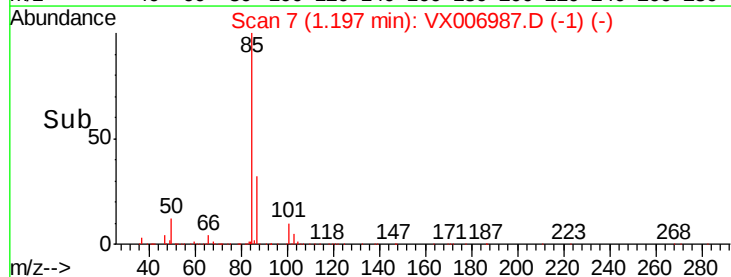
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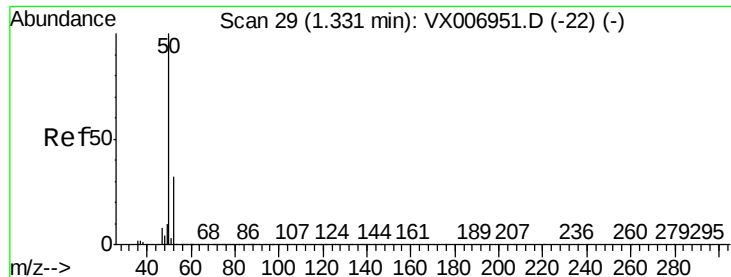
20000

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Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 20.797 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

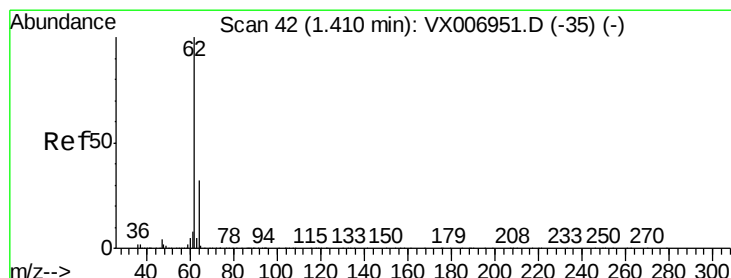
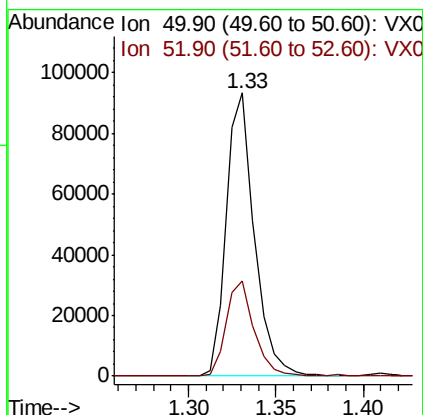
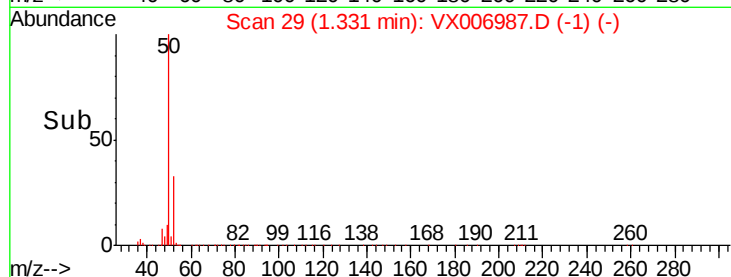
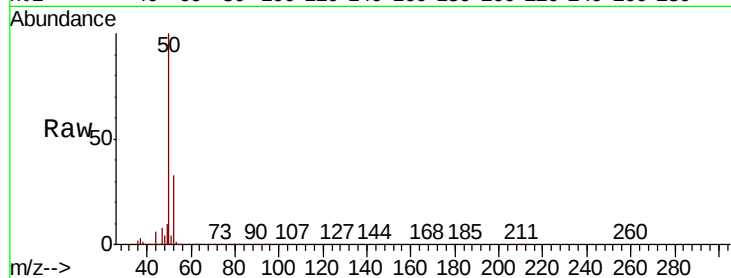
VX0110WBSD01

Tgt Ion: 50 Resp: 103818

Ion Ratio Lower Upper

50 100

52 33.4 25.4 38.2



#4

Vinyl Chloride

Concen: 20.222 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006987.D

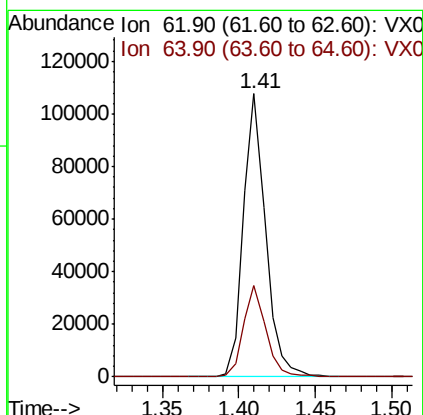
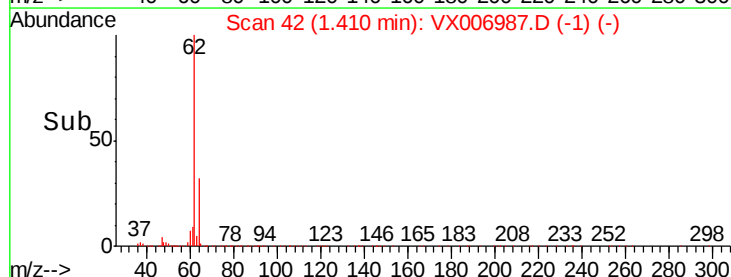
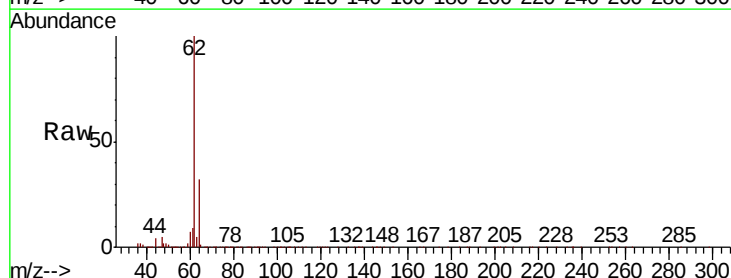
Acq: 10 Jan 2019 14:01

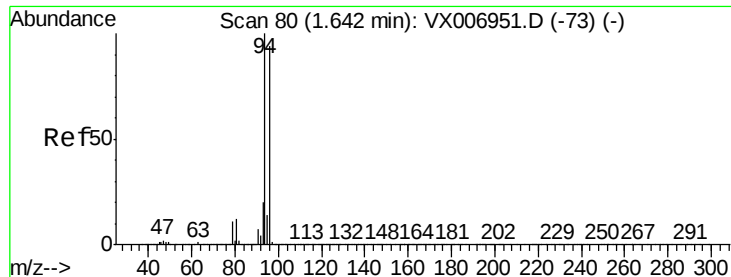
Tgt Ion: 62 Resp: 108586

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 19.946 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

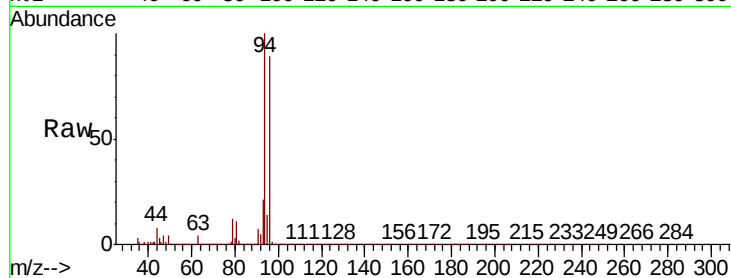
VX0110WBSD01

Tgt Ion: 94 Resp: 114434

Ion Ratio Lower Upper

94 100

96 89.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

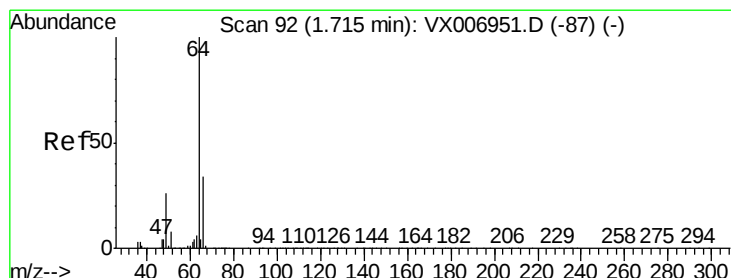
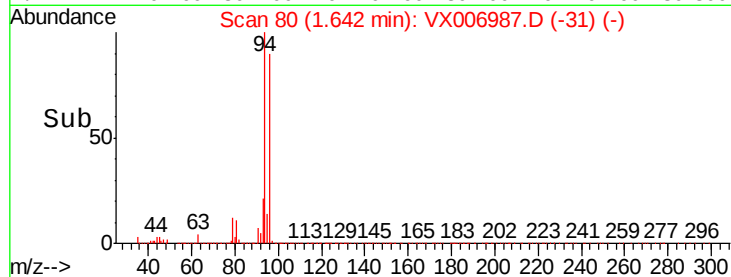
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 18.895 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006987.D

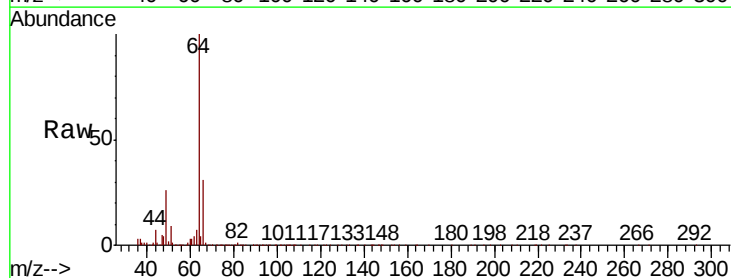
Acq: 10 Jan 2019 14:01

Tgt Ion: 64 Resp: 70846

Ion Ratio Lower Upper

64 100

66 31.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

50000

40000

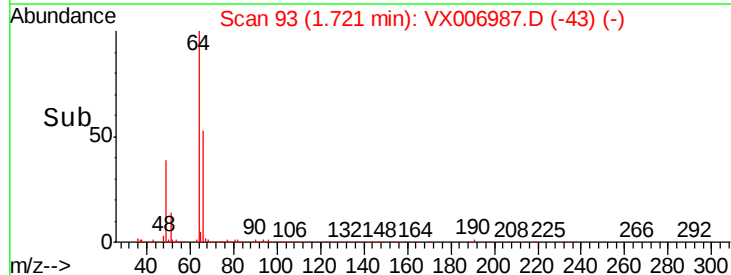
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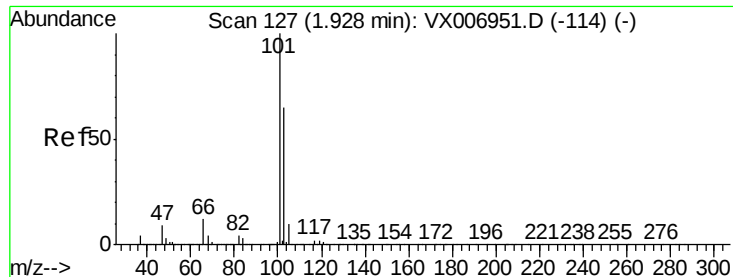
20000

10000

0

Time--> 1.65 1.70 1.75 1.80



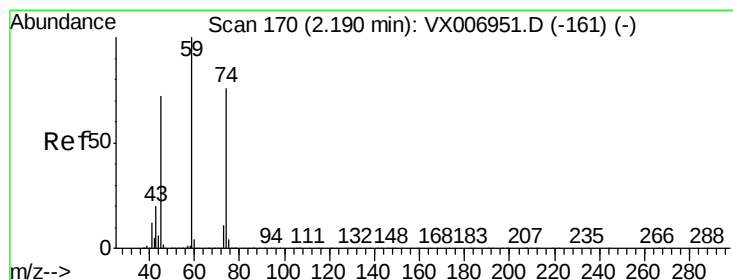
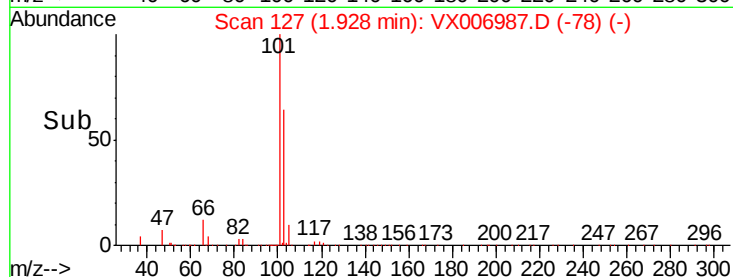
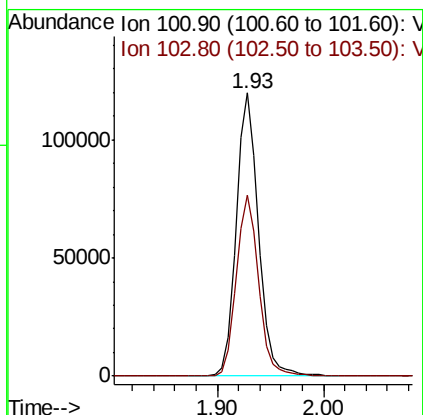
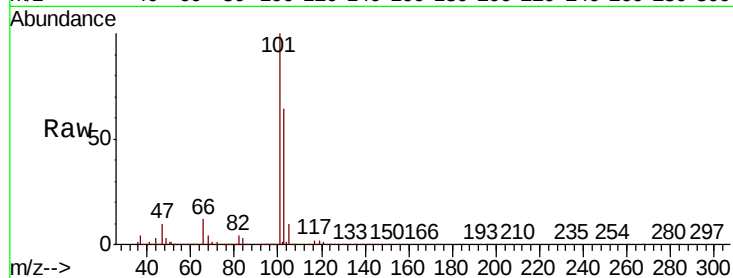


#7

Trichlorofluoromethane
Concen: 20.250 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampled :
VX0110WBSD01

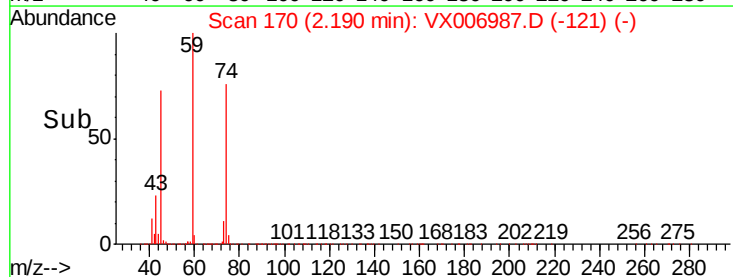
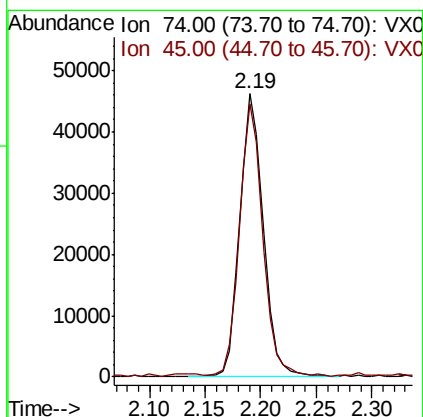
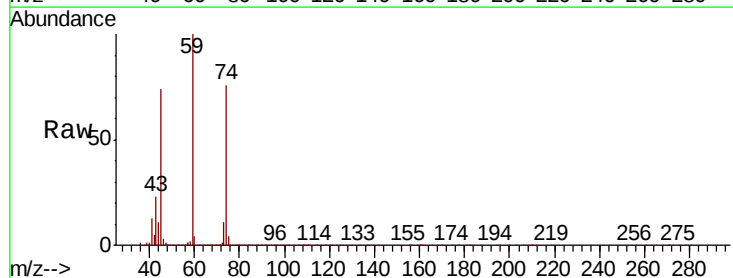
Tgt Ion:101 Resp: 175695
Ion Ratio Lower Upper
101 100
103 63.9 53.2 79.8

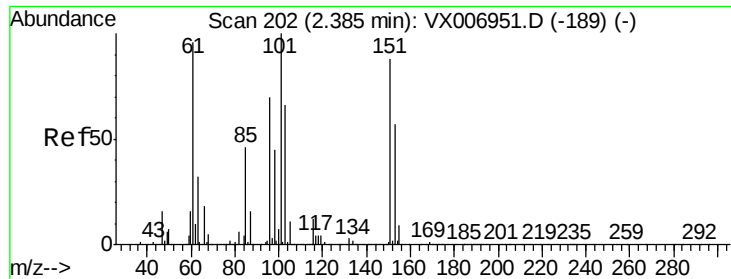


#8

Diethyl Ether
Concen: 19.673 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 74 Resp: 67908
Ion Ratio Lower Upper
74 100
45 95.0 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.760 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

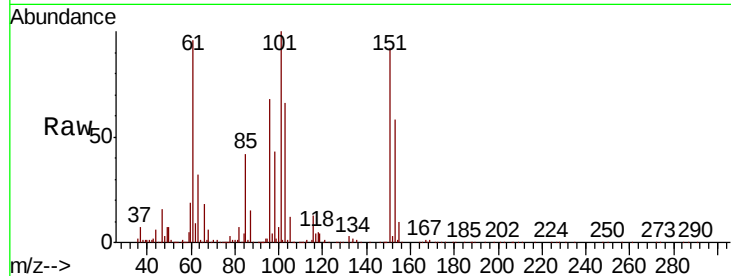
Tgt Ion:101 Resp: 102644

Ion Ratio Lower Upper

101 100

85 44.7 35.1 52.7

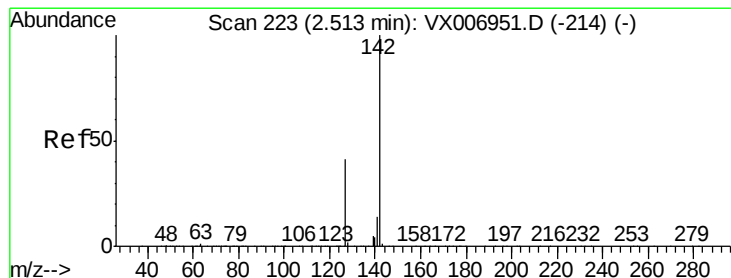
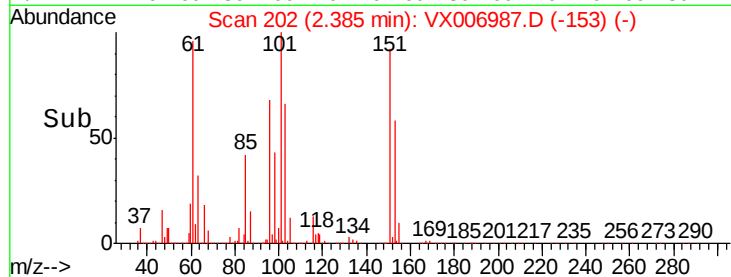
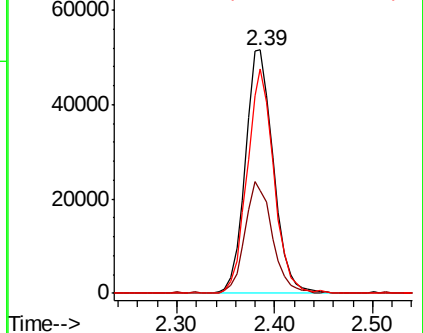
151 87.7 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.853 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

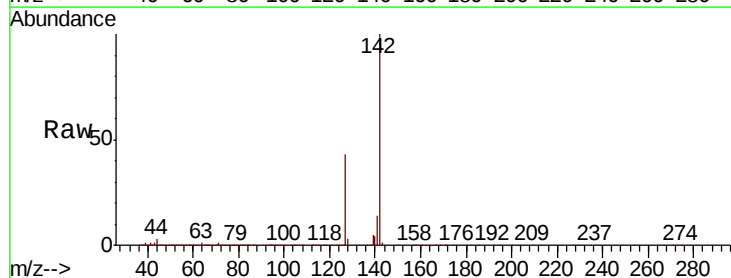
Tgt Ion:142 Resp: 139107

Ion Ratio Lower Upper

142 100

127 42.5 33.9 50.9

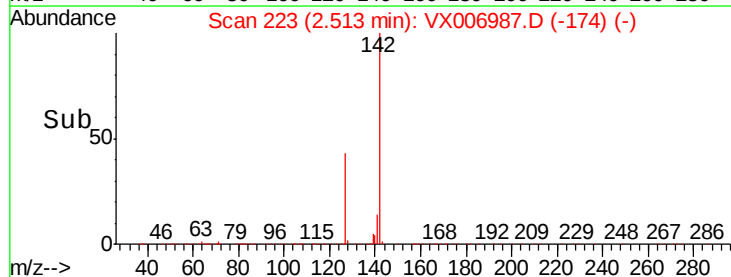
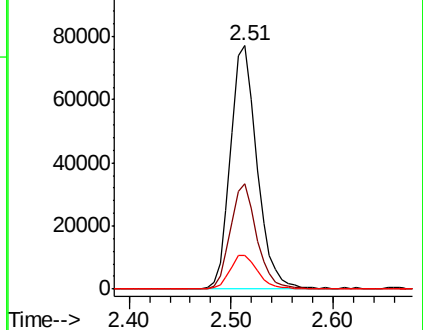
141 14.7 11.4 17.0

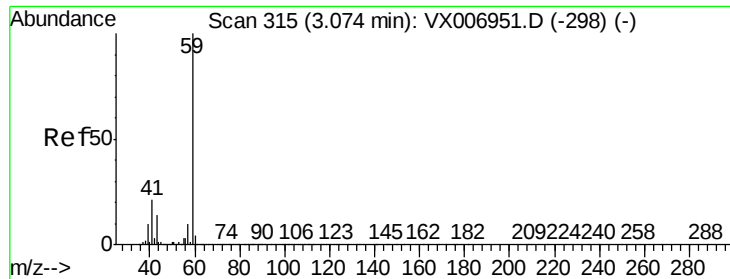


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

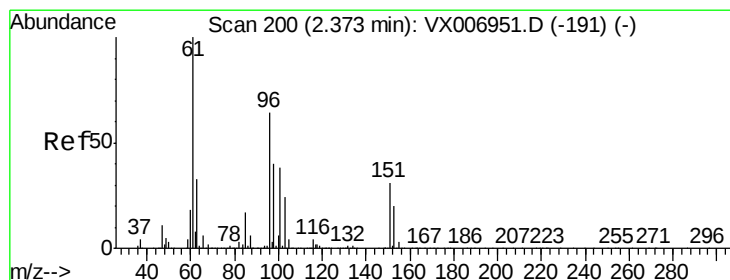
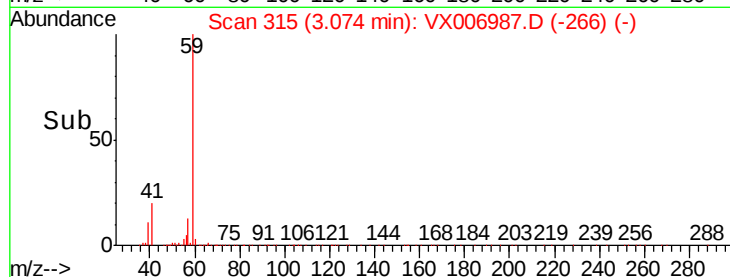
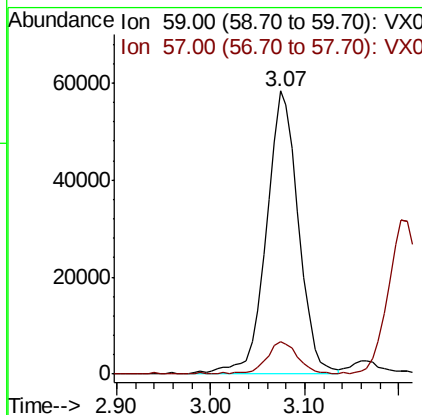
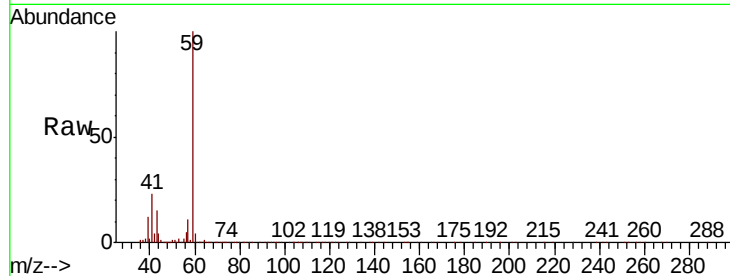




#11
Tert butyl alcohol
Concen: 107.215 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

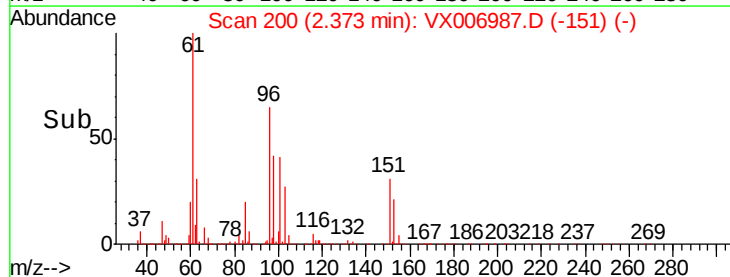
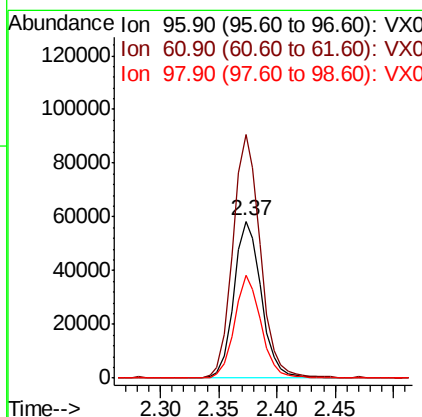
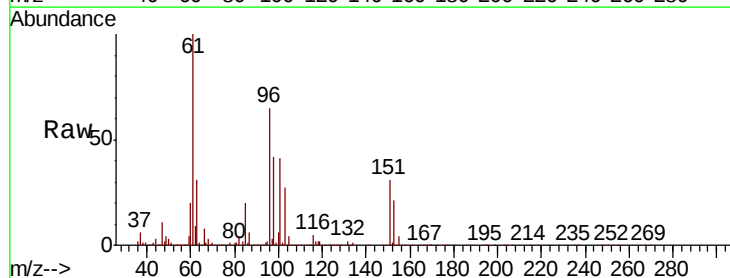
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

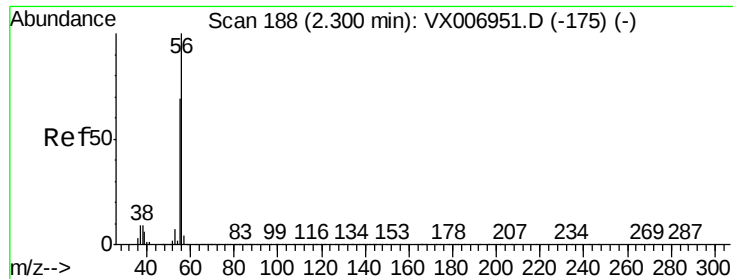
Tgt Ion: 59 Resp: 138019
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.941 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 96 Resp: 95700
Ion Ratio Lower Upper
96 100
61 155.1 121.4 182.2
98 65.6 51.9 77.9





#13

Acrolein

Concen: 90.403 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

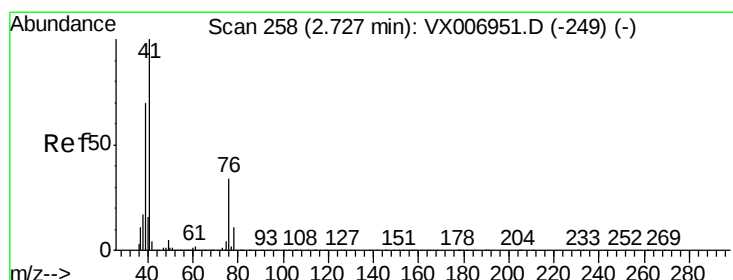
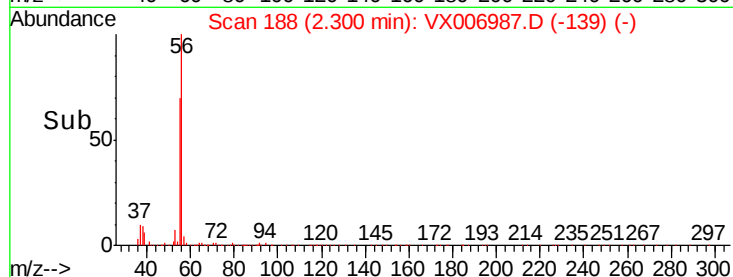
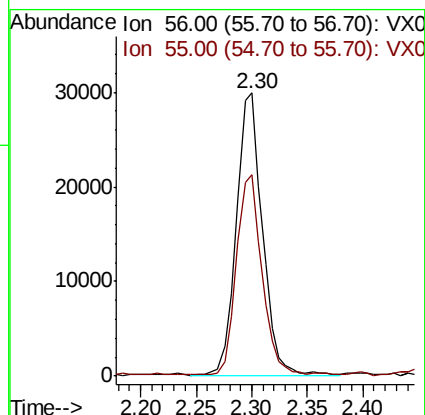
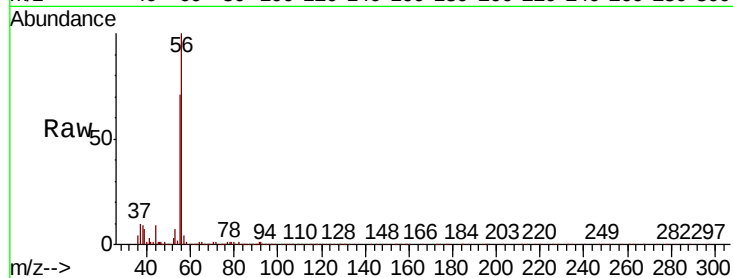
VX0110WBSD01

Tgt Ion: 56 Resp: 49085

Ion Ratio Lower Upper

56 100

55 68.1 58.2 87.4



#14

Allyl chloride

Concen: 19.817 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

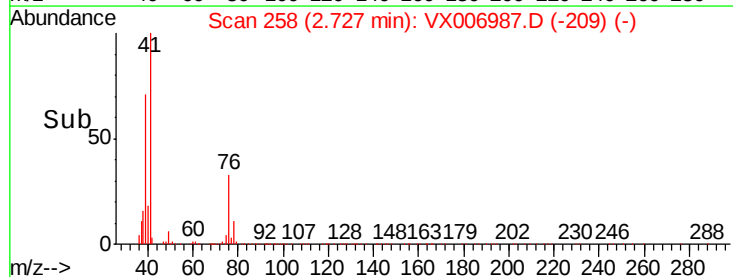
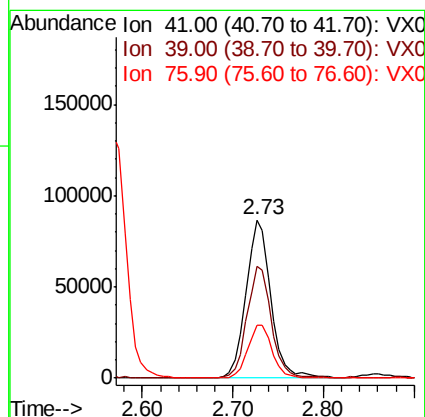
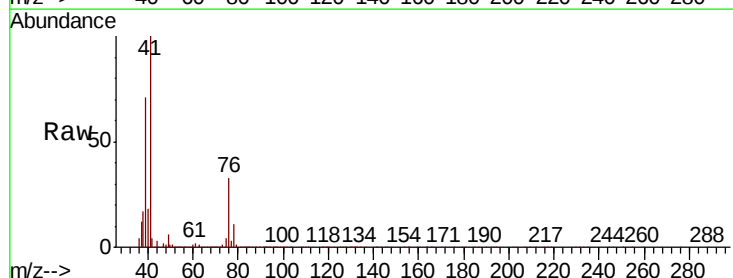
Tgt Ion: 41 Resp: 162993

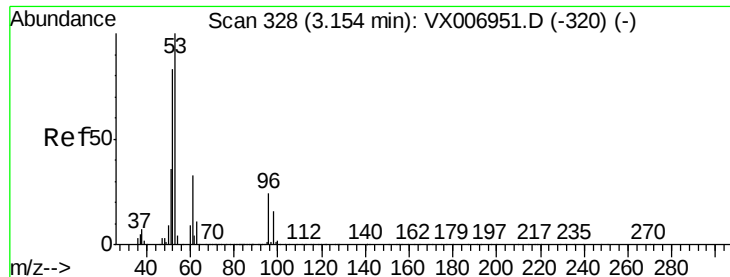
Ion Ratio Lower Upper

41 100

39 69.3 53.6 80.4

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 105.064 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

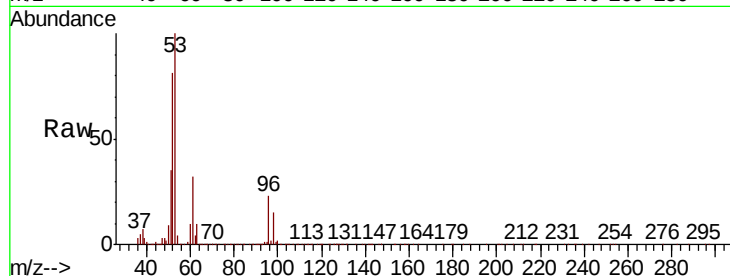
Tgt Ion: 53 Resp: 310487

Ion Ratio Lower Upper

53 100

52 83.1 66.0 99.0

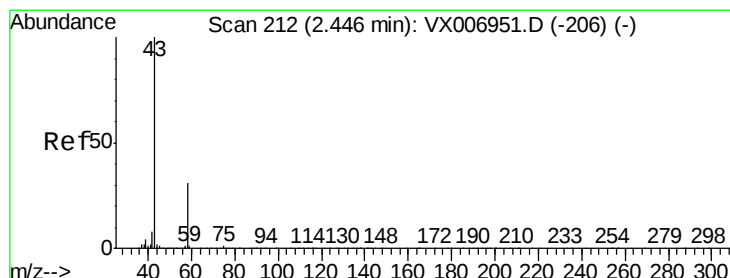
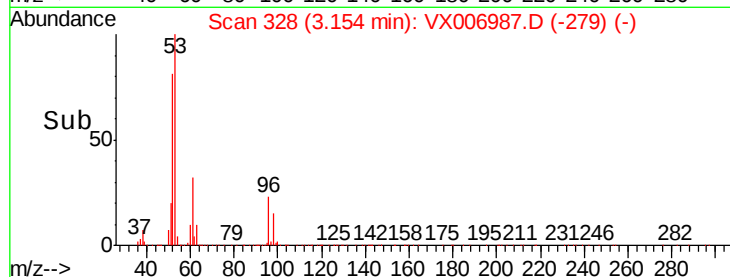
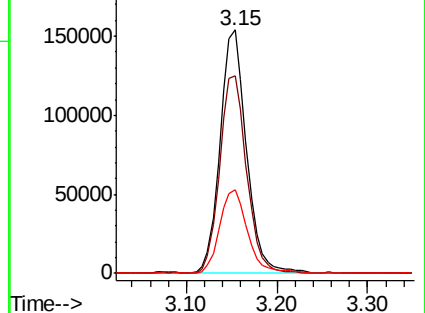
51 36.4 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 103.595 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006987.D

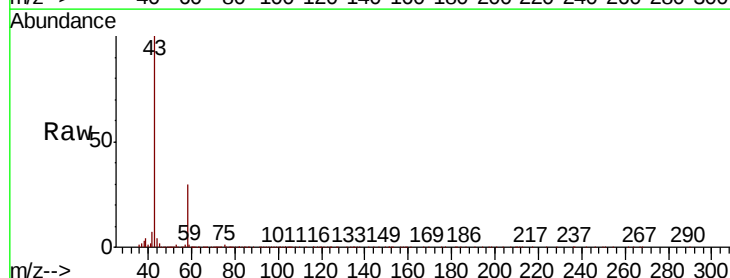
Acq: 10 Jan 2019 14:01

Tgt Ion: 43 Resp: 279484

Ion Ratio Lower Upper

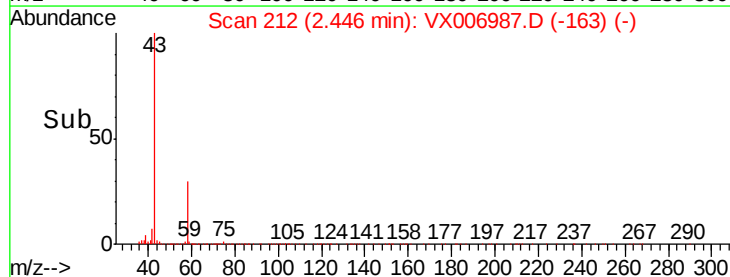
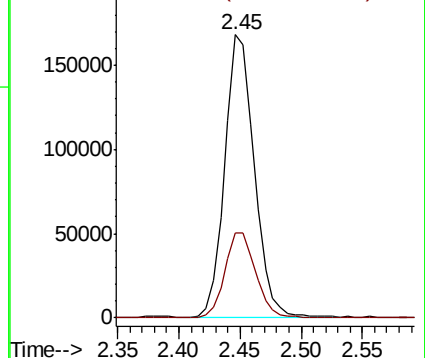
43 100

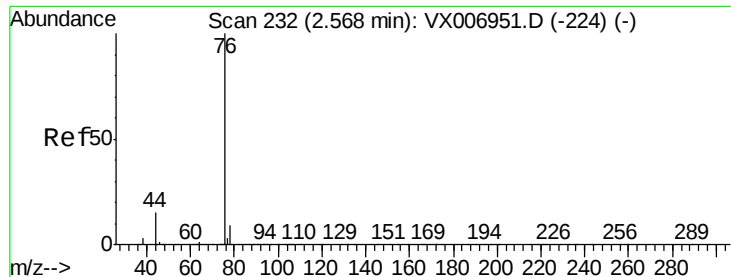
58 30.1 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.206 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

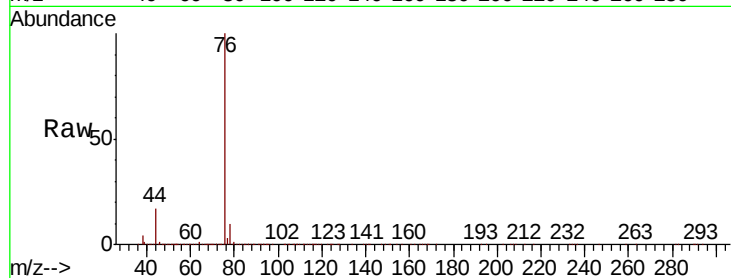
VX0110WBSD01

Tgt Ion: 76 Resp: 224956

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

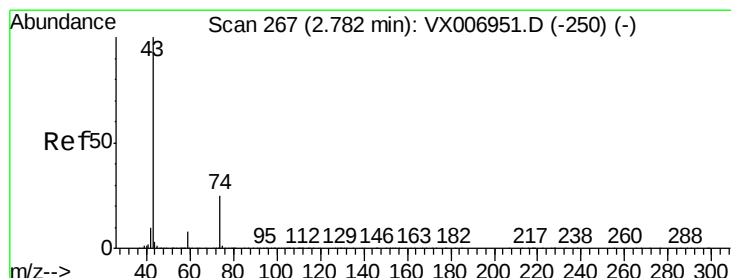
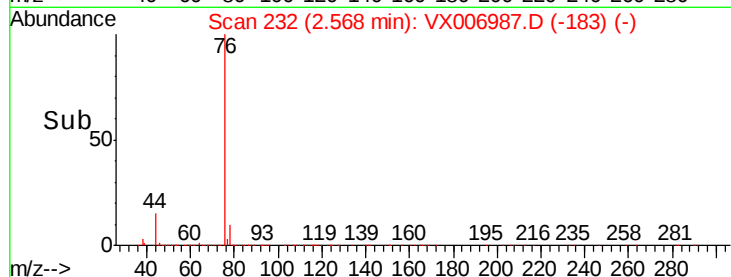
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 20.937 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006987.D

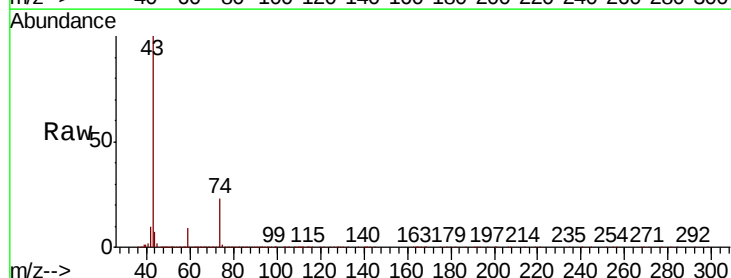
Acq: 10 Jan 2019 14:01

Tgt Ion: 43 Resp: 163578

Ion Ratio Lower Upper

43 100

74 23.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

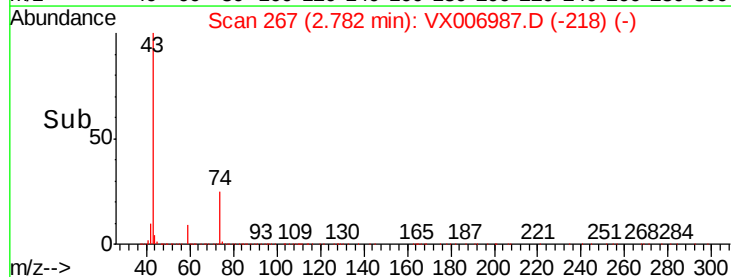
60000

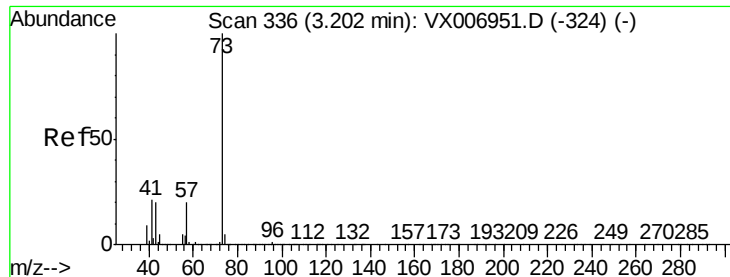
40000

20000

0

Time--> 2.70 2.75 2.80 2.85



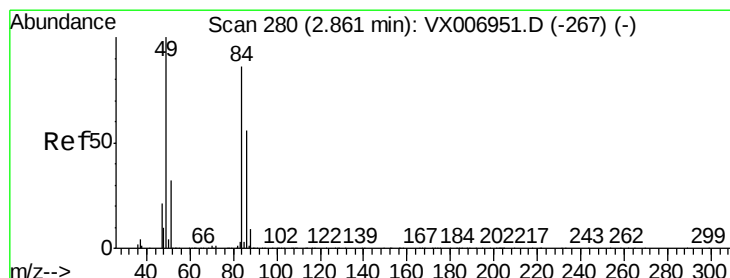
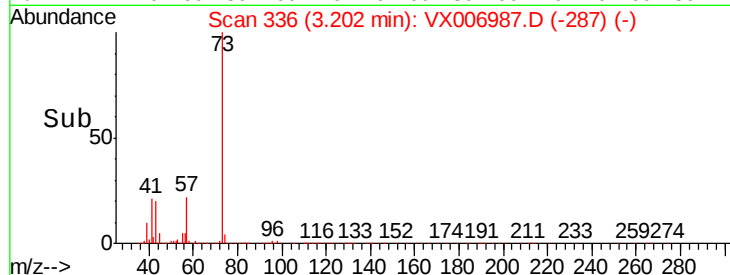
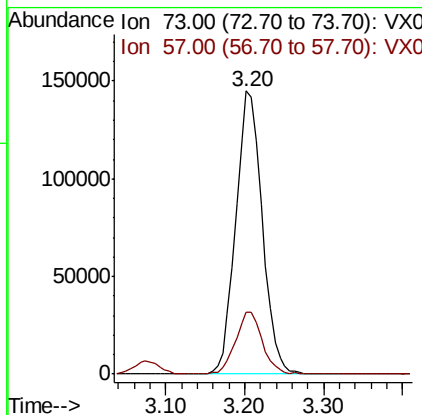
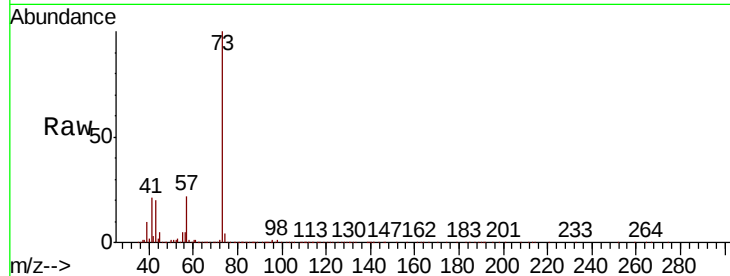


#19

Methyl tert-butyl Ether
 Concen: 20.386 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

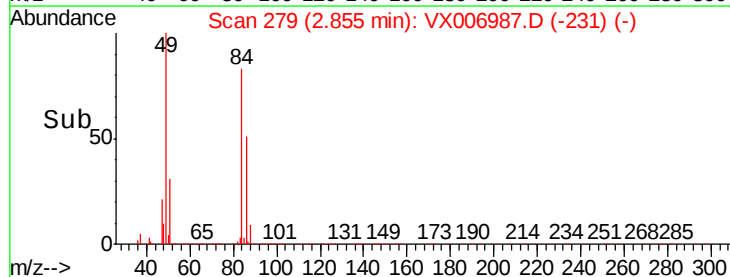
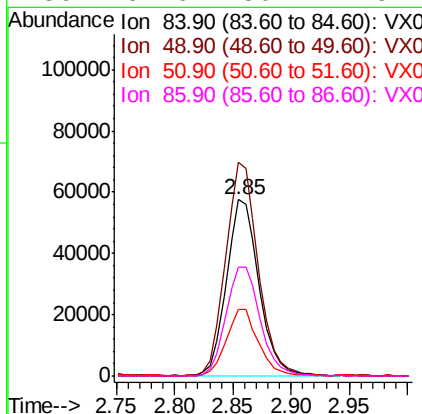
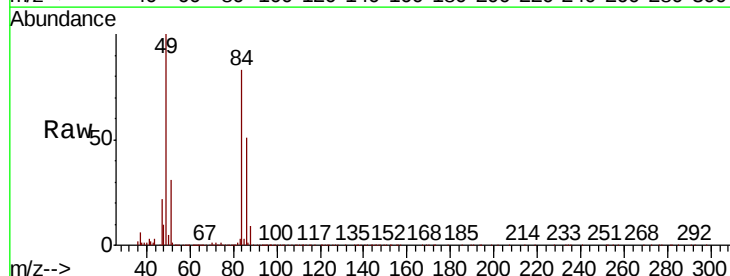
Tgt Ion: 73 Resp: 339585
 Ion Ratio Lower Upper
 73 100
 57 21.8 16.8 25.2

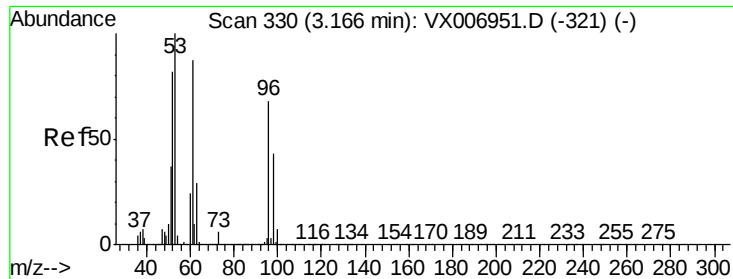


#20

Methylene Chloride
 Concen: 21.417 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion: 84 Resp: 111560
 Ion Ratio Lower Upper
 84 100
 49 120.5 91.8 137.6
 51 37.2 28.5 42.7
 86 61.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.423 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

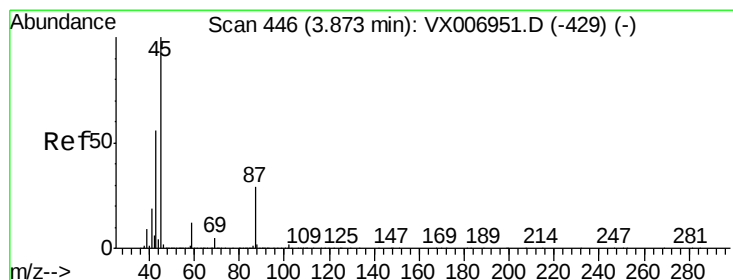
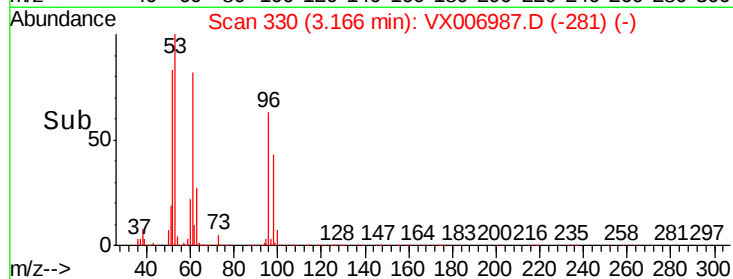
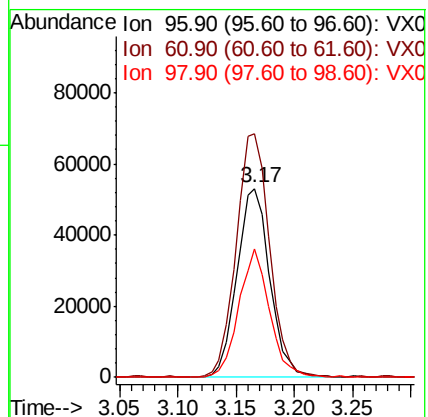
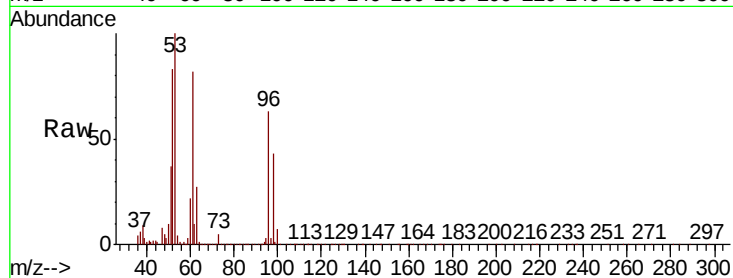
Tgt Ion: 96 Resp: 103878

Ion Ratio Lower Upper

96 100

61 128.9 103.7 155.5

98 68.0 51.0 76.6



#22

Diisopropyl ether

Concen: 20.287 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion: 45 Resp: 313686

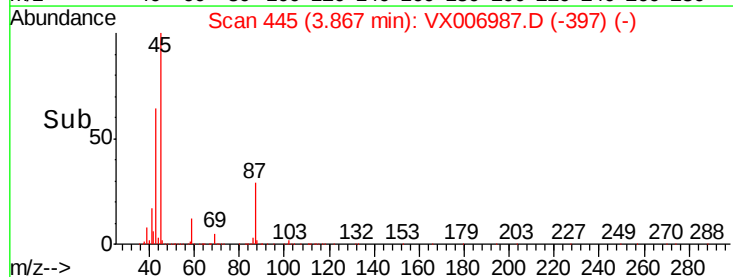
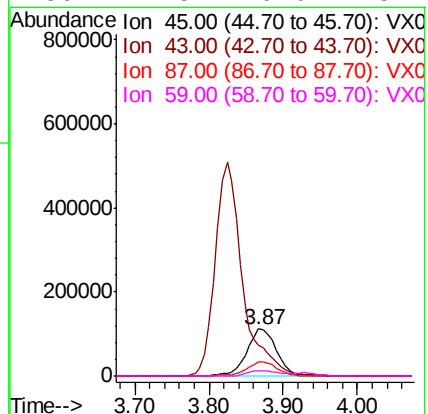
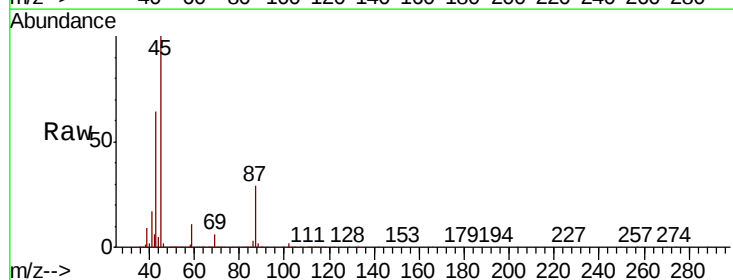
Ion Ratio Lower Upper

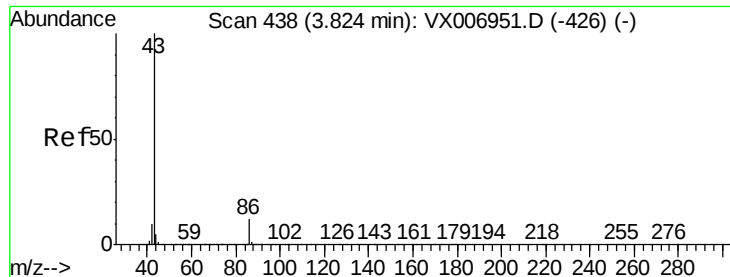
45 100

43 63.7 51.2 76.8

87 29.3 25.8 38.6

59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 99.717 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

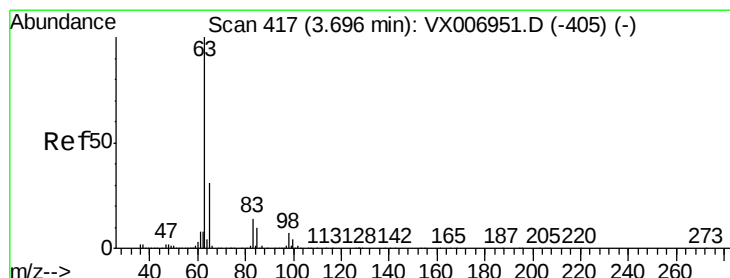
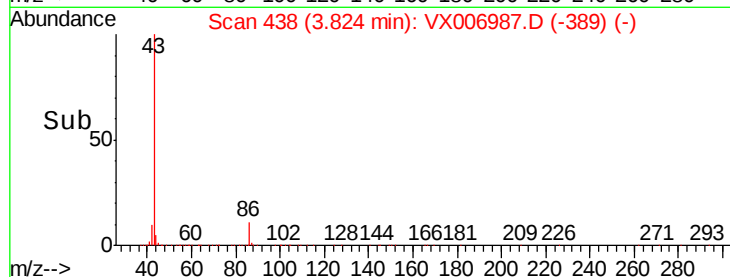
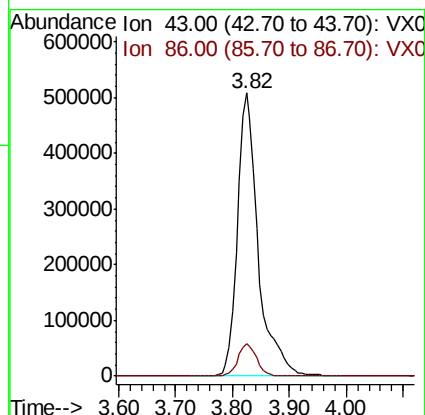
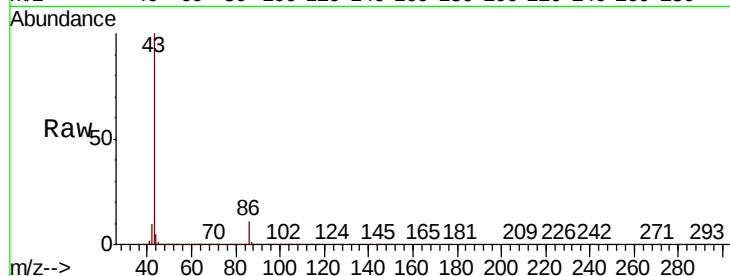
VX0110WBSD01

Tgt Ion: 43 Resp: 1300317

Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8



#24

1,1-Dichloroethane

Concen: 20.206 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

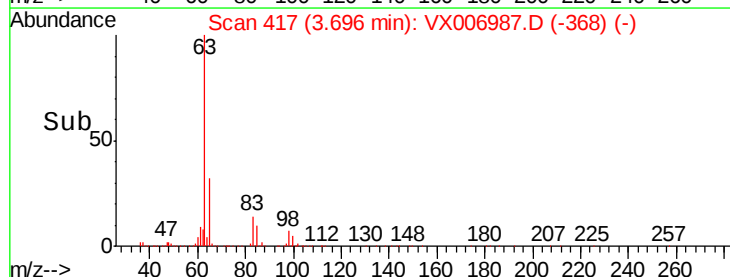
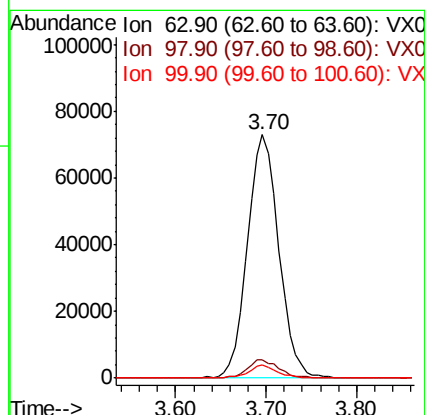
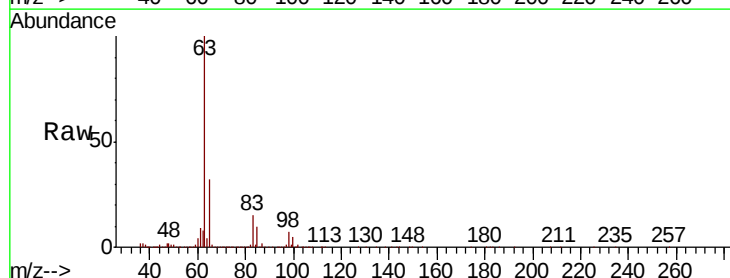
Tgt Ion: 63 Resp: 174708

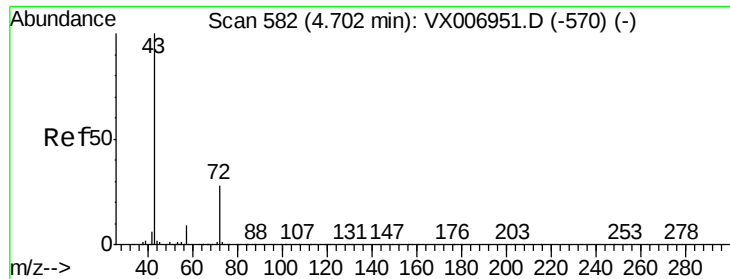
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 106.576 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

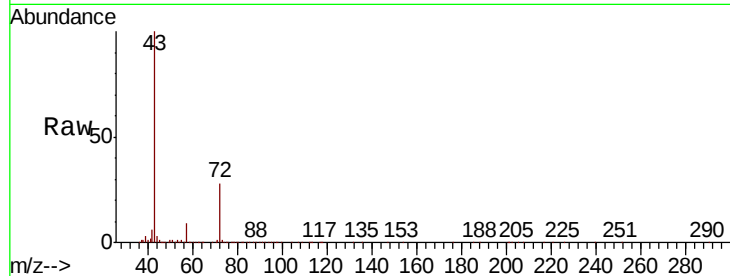
VX0110WBSD01

Tgt Ion: 43 Resp: 411408

Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

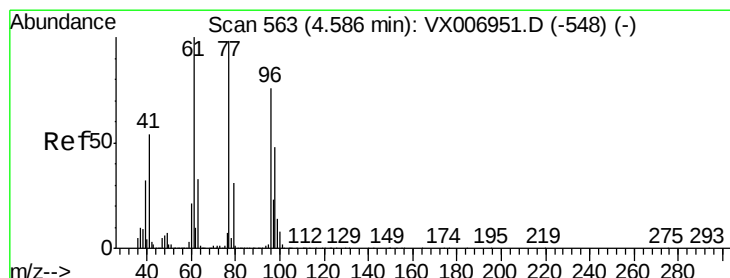
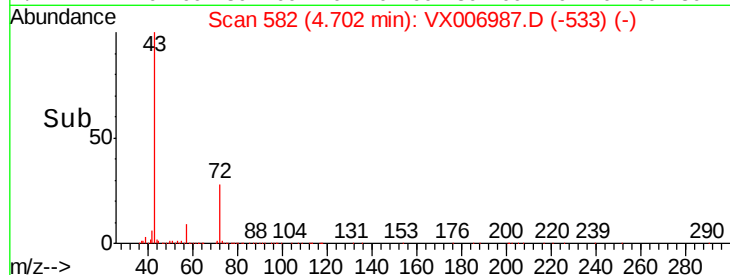
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.012 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006987.D

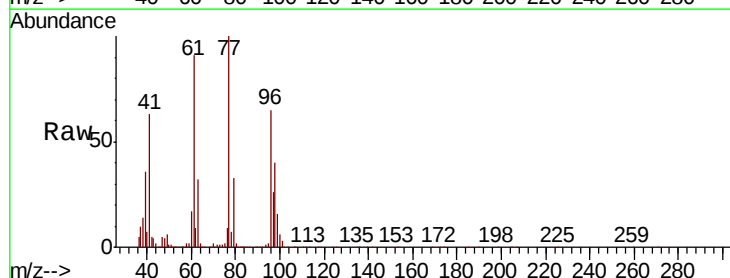
Acq: 10 Jan 2019 14:01

Tgt Ion: 77 Resp: 119756

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

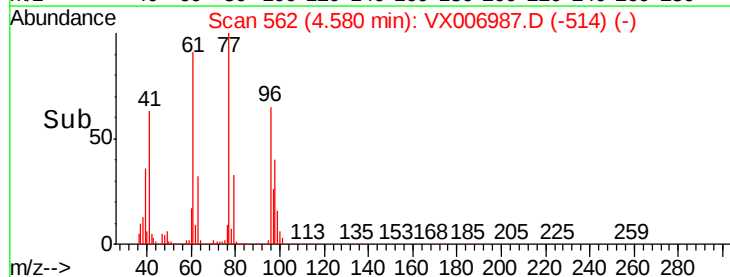
20000

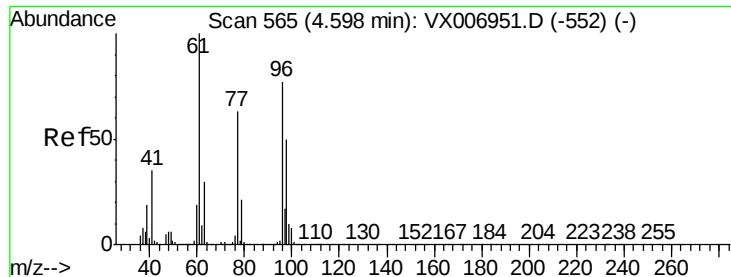
10000

0

4.40 4.50 4.60 4.70

Time-->



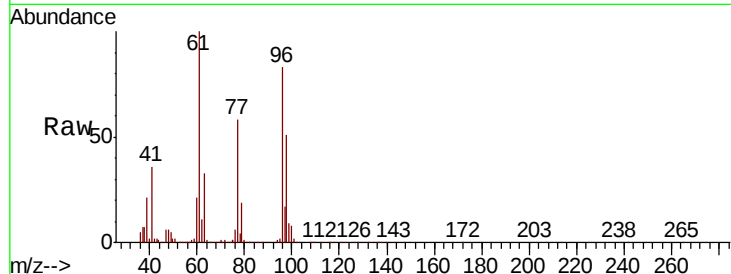


#27

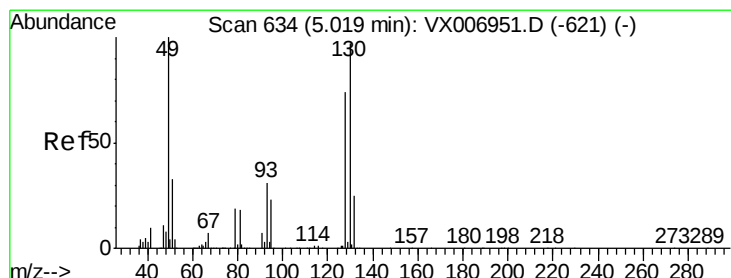
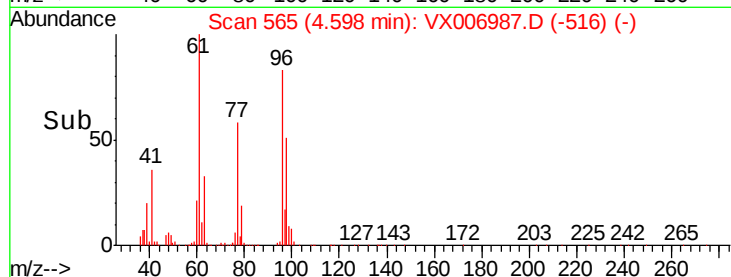
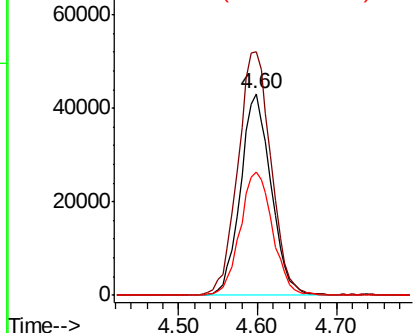
cis-1,2-Dichloroethene
Concen: 19.671 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tgt Ion: 96 Resp: 116045
Ion Ratio Lower Upper
96 100
61 131.0 0.0 258.6
98 64.9 0.0 132.0



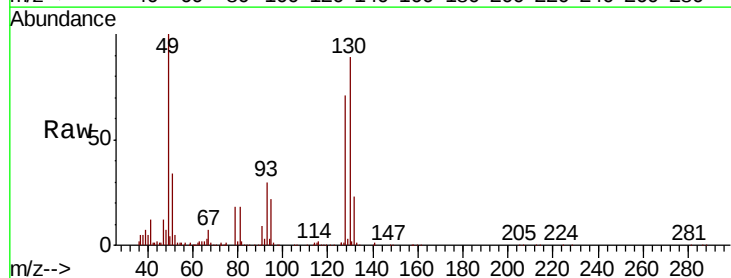
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



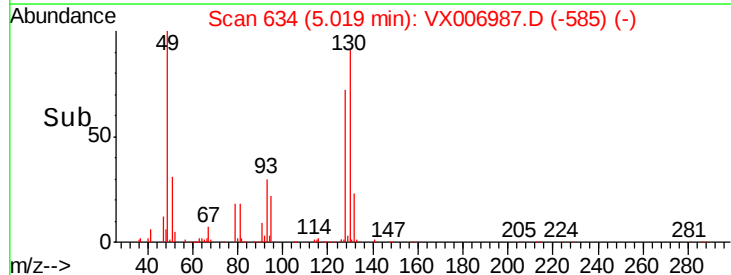
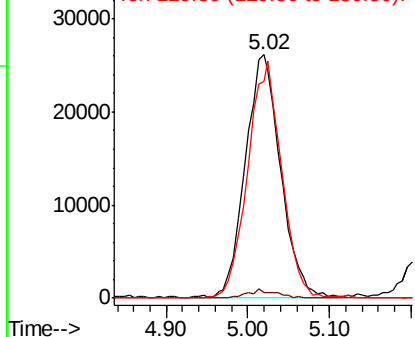
#28

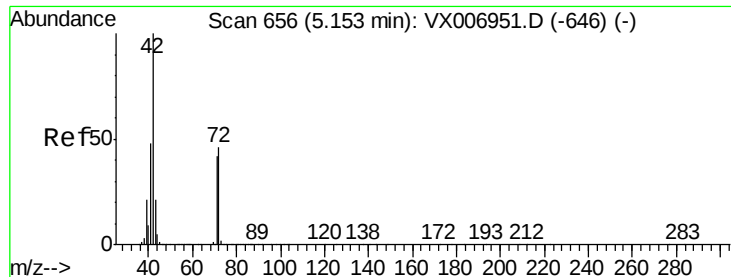
Bromochloromethane
Concen: 20.755 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 49 Resp: 78624
Ion Ratio Lower Upper
49 100
129 2.9 0.0 5.4
130 93.7 77.7 116.5



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





#29

Tetrahydrofuran

Concen: 105.744 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

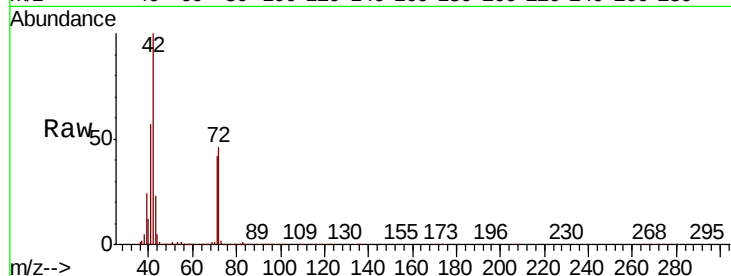
Tgt Ion: 42 Resp: 265277

Ion Ratio Lower Upper

42 100

72 47.1 38.9 58.3

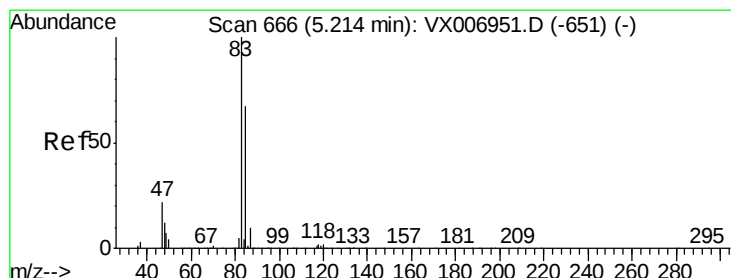
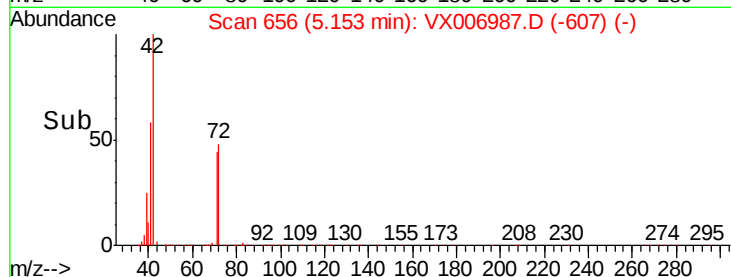
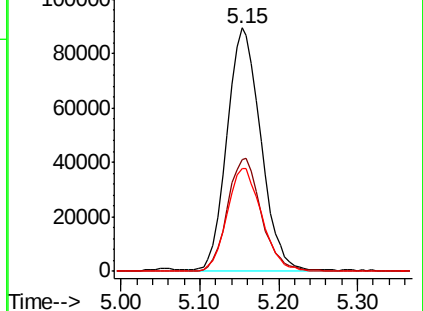
71 43.7 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.328 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006987.D

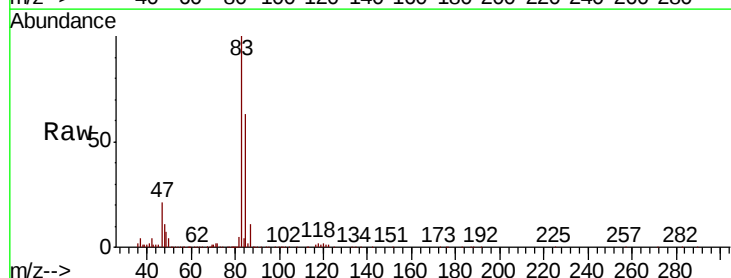
Acq: 10 Jan 2019 14:01

Tgt Ion: 83 Resp: 184024

Ion Ratio Lower Upper

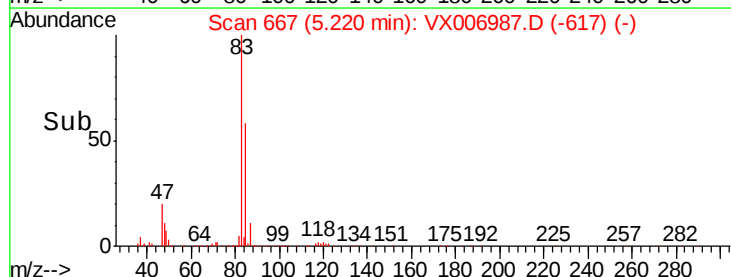
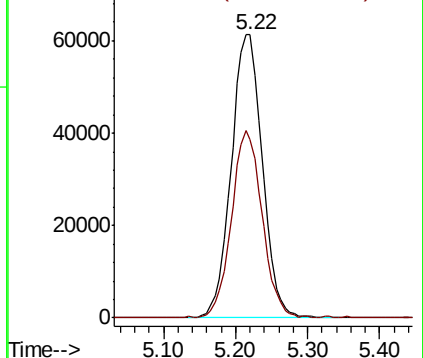
83 100

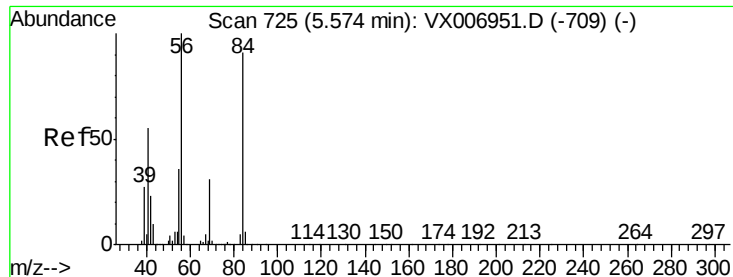
85 62.9 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

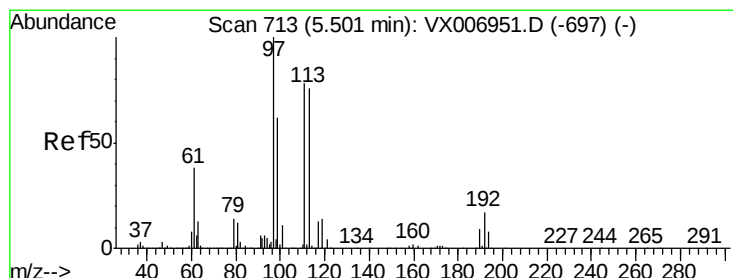
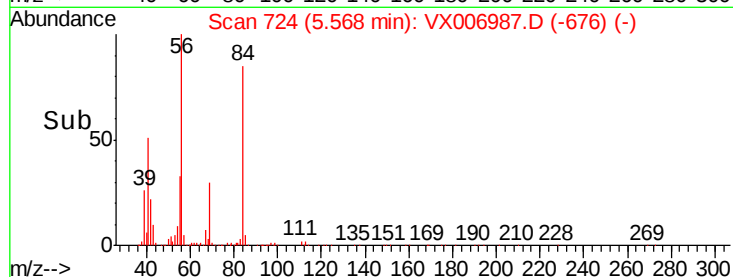
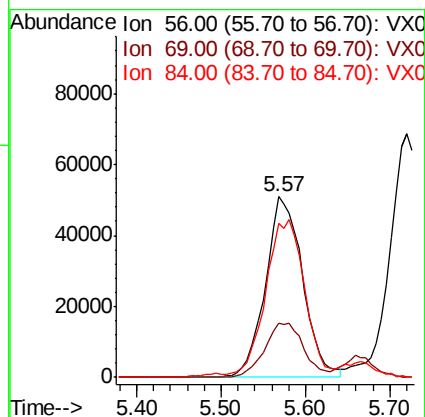
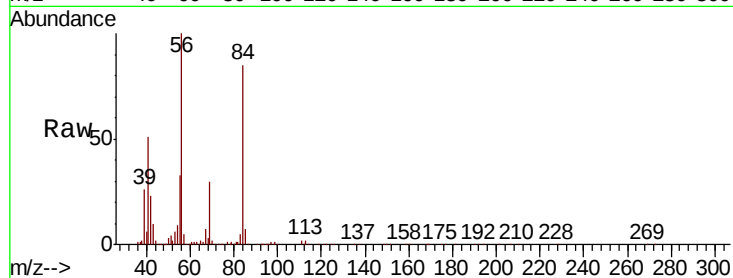




#31
Cyclohexane
Concen: 20.197 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

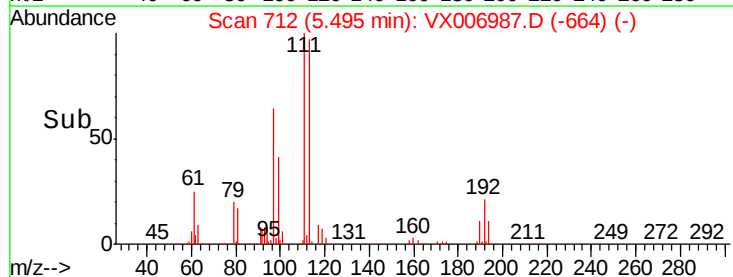
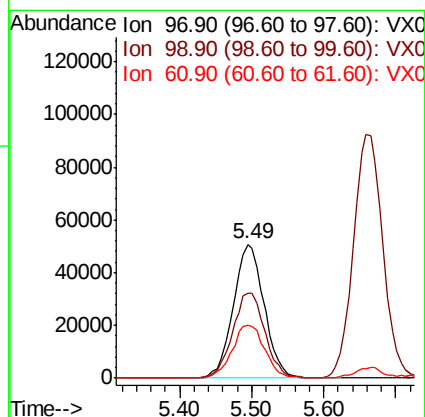
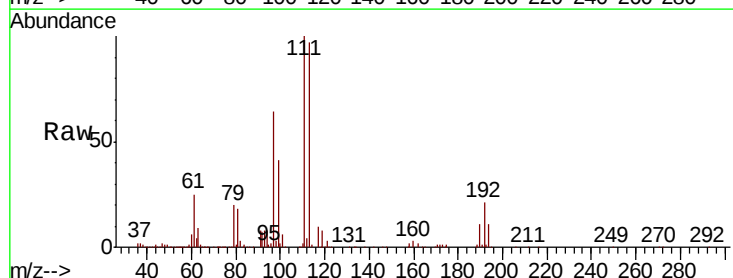
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

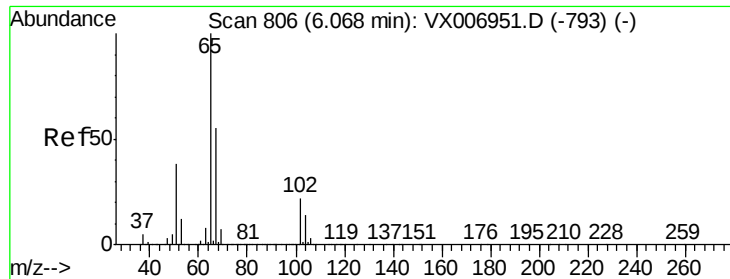
Tgt Ion: 56 Resp: 155426
Ion Ratio Lower Upper
56 100
69 30.2 24.4 36.6
84 84.7 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.637 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 97 Resp: 150678
Ion Ratio Lower Upper
97 100
99 66.7 51.7 77.5
61 42.0 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 51.342 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

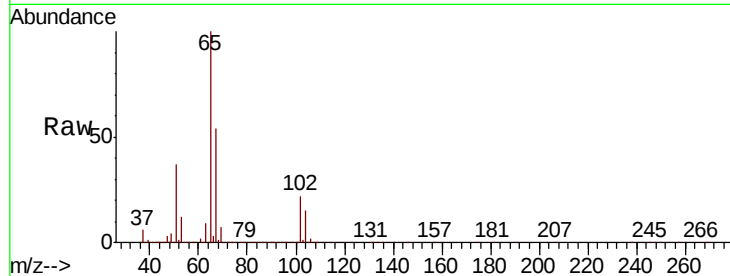
VX0110WBSD01

Tgt Ion: 65 Resp: 280183

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

60000

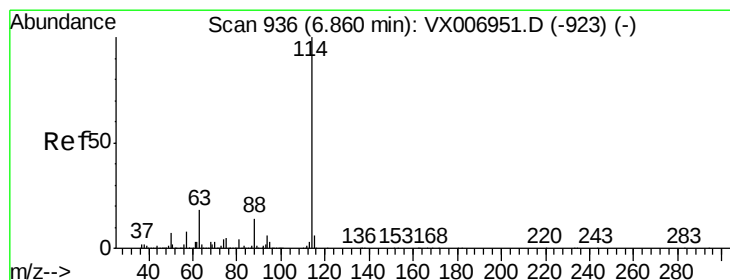
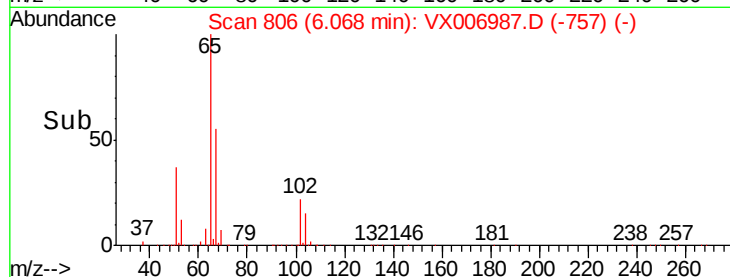
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

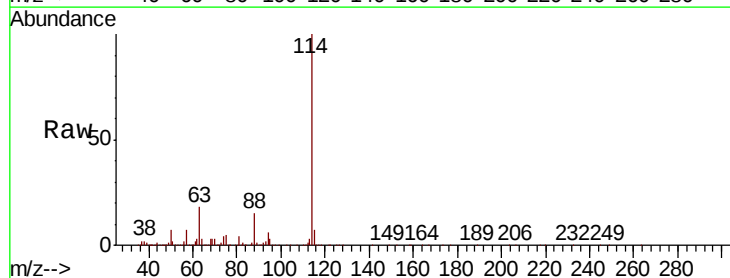
Tgt Ion: 114 Resp: 788878

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

88 14.5 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

300000

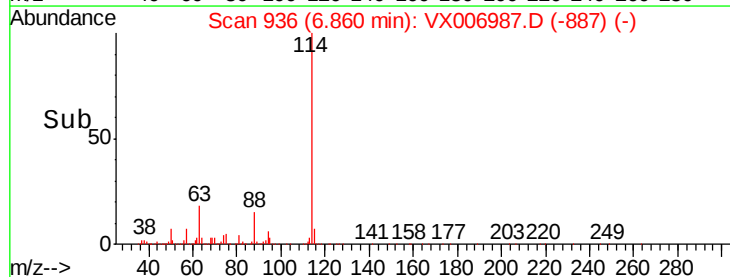
200000

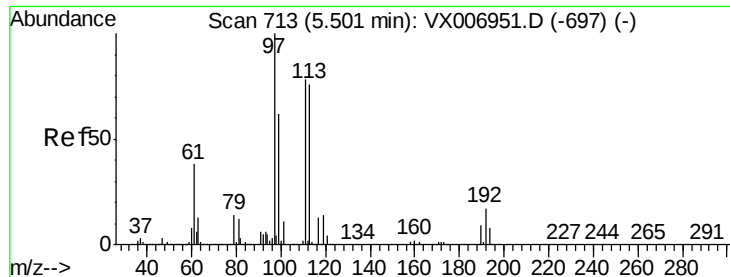
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.177 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

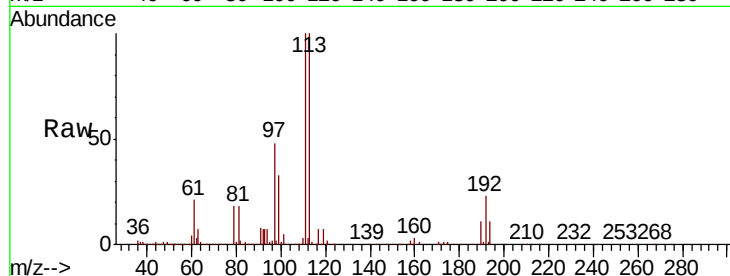
Tgt Ion:113 Resp: 248440

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

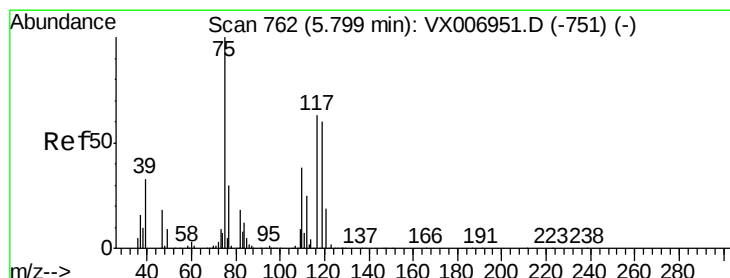
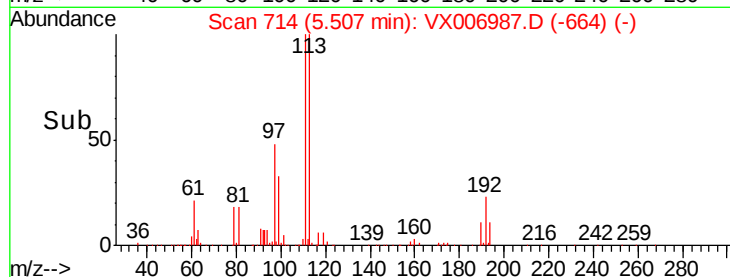
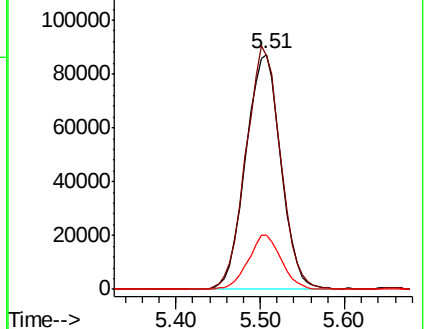
192 22.2 16.7 25.1



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: 19.322 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

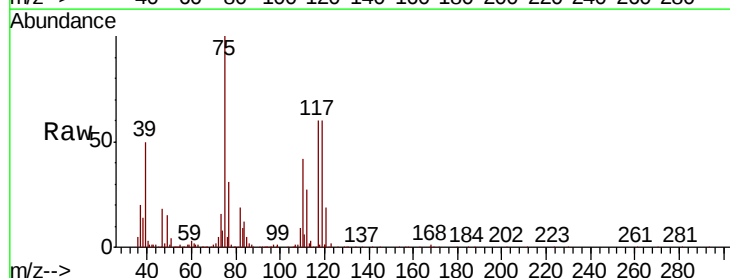
Tgt Ion: 75 Resp: 132523

Ion Ratio Lower Upper

75 100

110 41.0 20.2 60.5

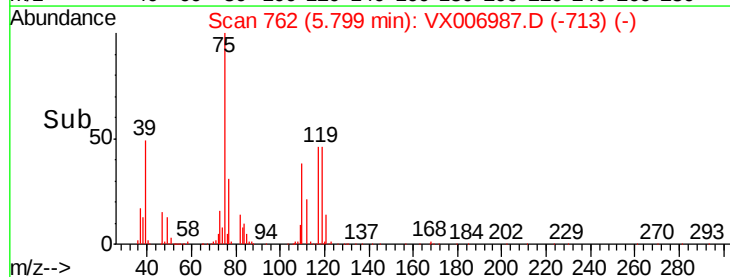
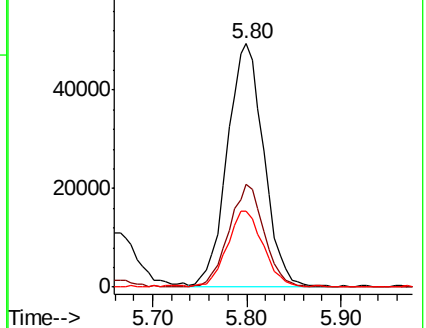
77 31.0 24.8 37.2

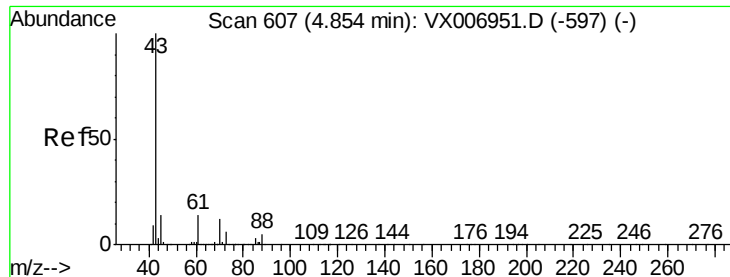


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

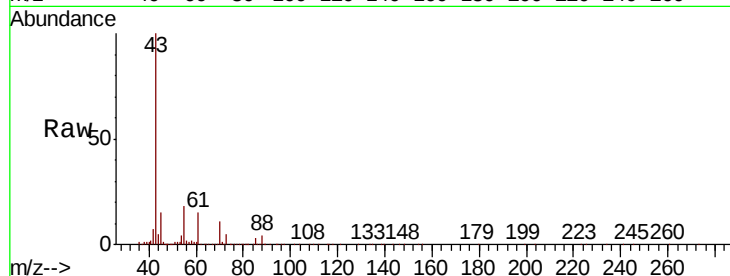




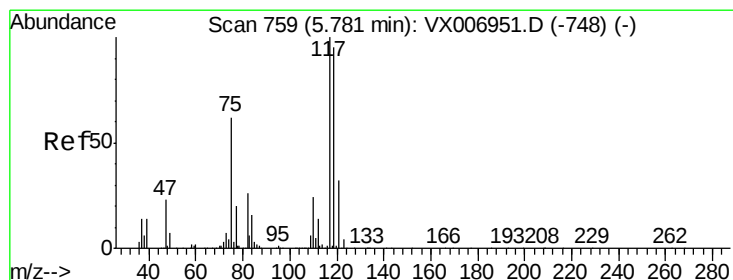
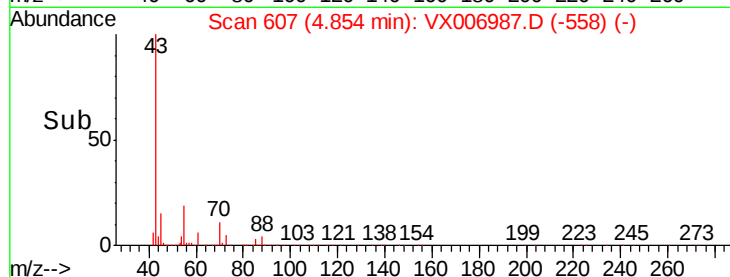
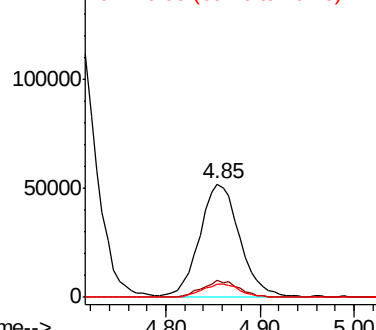
#37
Ethyl Acetate
Concen: 20.541 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tgt Ion: 43 Resp: 151037
Ion Ratio Lower Upper
43 100
61 14.4 11.9 17.9
70 11.1 9.7 14.5

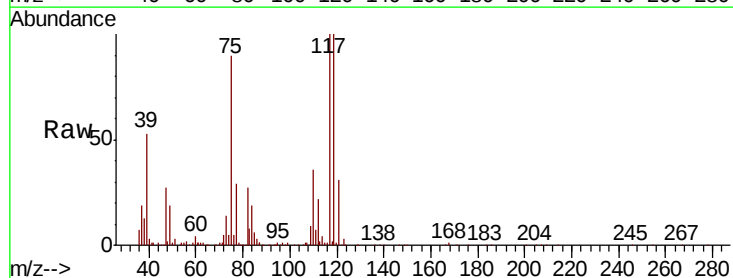


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

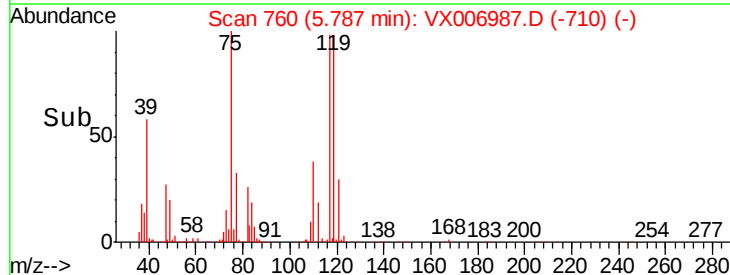
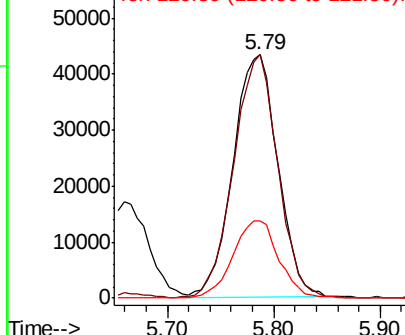


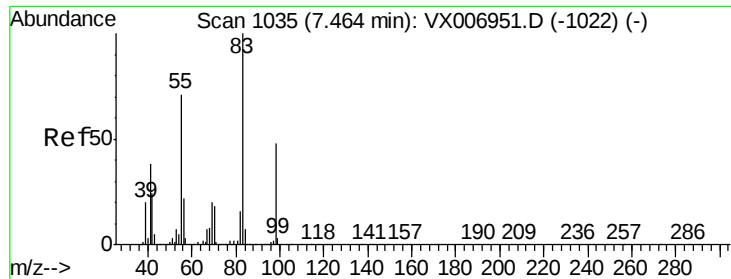
#38
Carbon Tetrachloride
Concen: 18.538 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 117 Resp: 127922
Ion Ratio Lower Upper
117 100
119 100.1 79.4 119.2
121 31.4 24.0 36.0



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

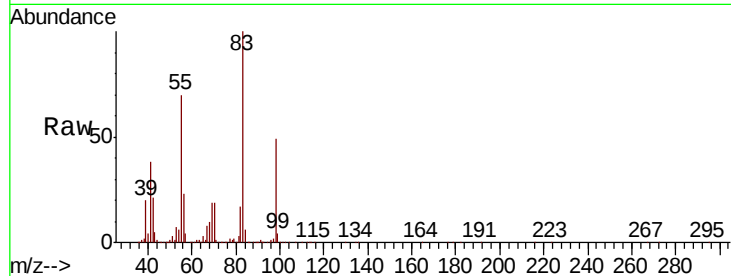




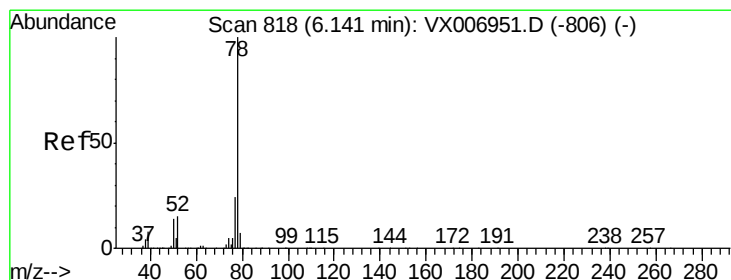
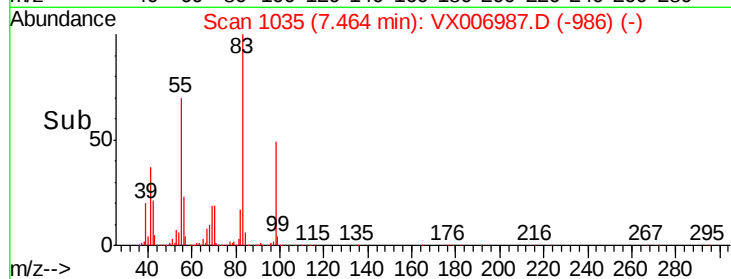
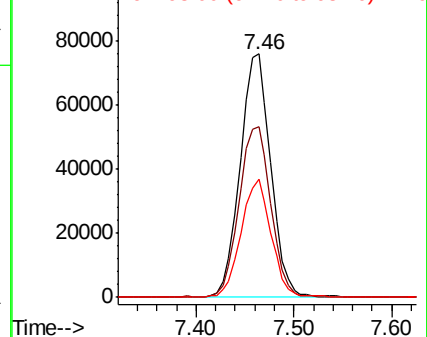
#39
Methylcyclohexane
Concen: 18.872 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tgt Ion: 83 Resp: 165008
Ion Ratio Lower Upper
83 100
55 70.1 54.9 82.3
98 48.5 37.9 56.9

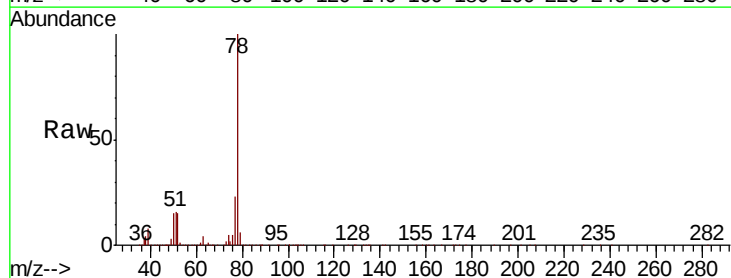


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

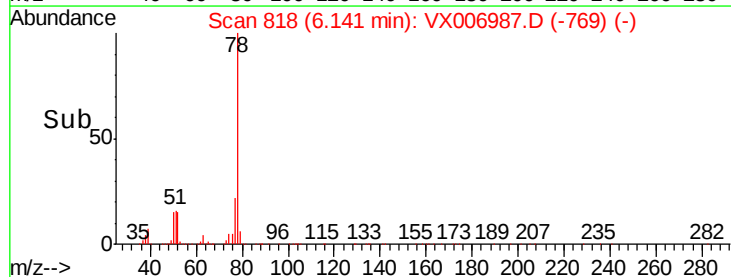
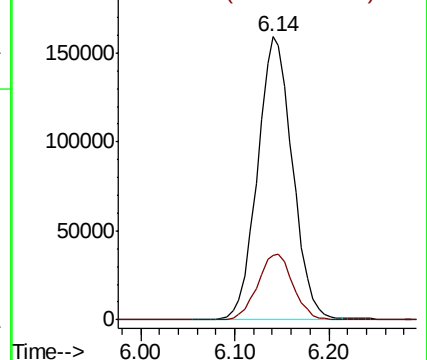


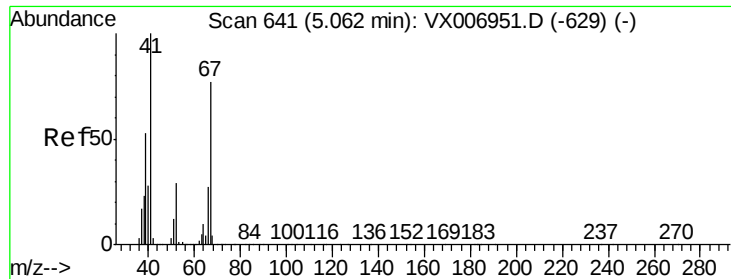
#40
Benzene
Concen: 19.778 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 78 Resp: 413918
Ion Ratio Lower Upper
78 100
77 22.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.734 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tgt Ion: 41 Resp: 83594

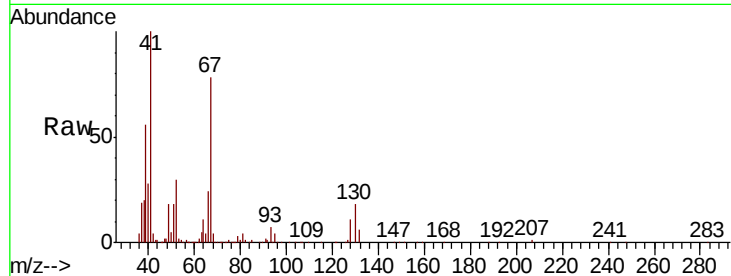
Ion Ratio Lower Upper

41 100

39 53.5 42.8 64.2

67 74.4 62.1 93.1

52 29.6 23.4 35.0

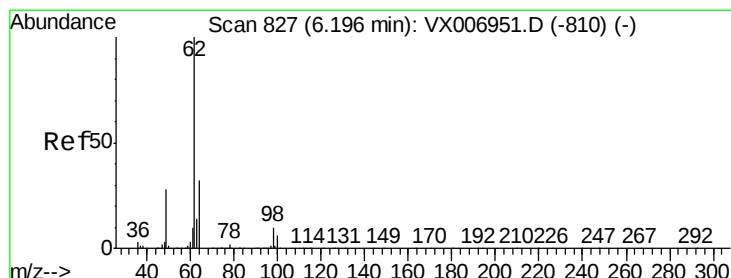
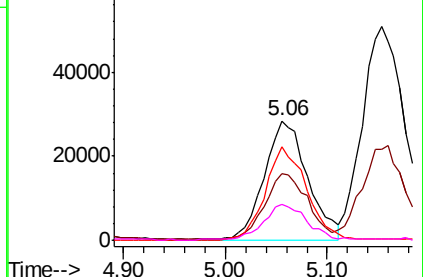
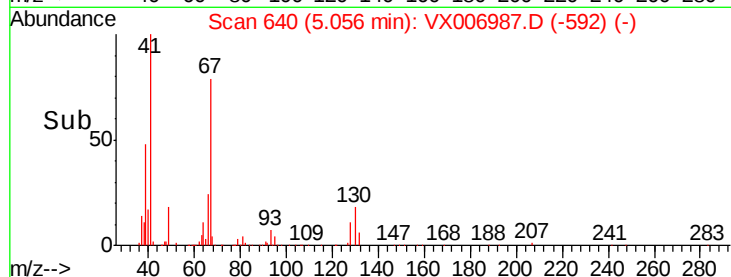


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.539 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006987.D

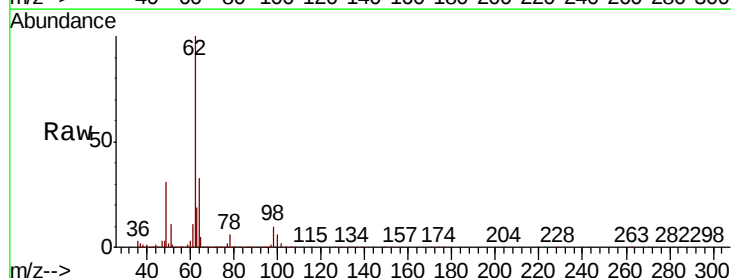
Acq: 10 Jan 2019 14:01

Tgt Ion: 62 Resp: 141302

Ion Ratio Lower Upper

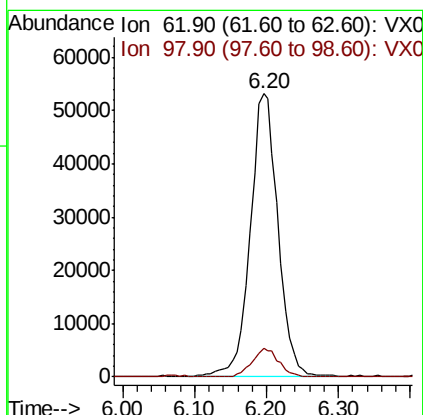
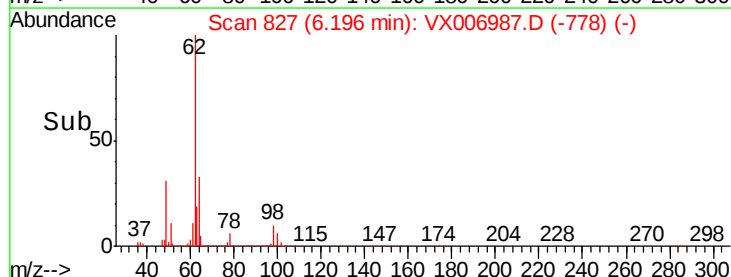
62 100

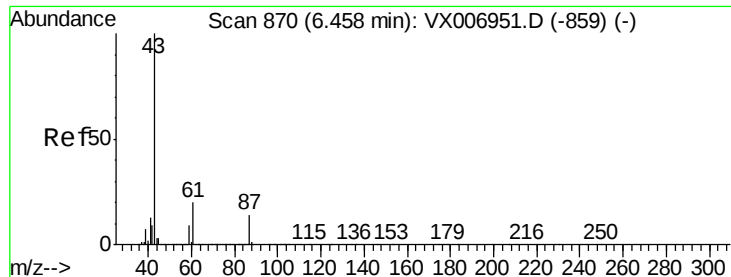
98 9.9 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.046 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

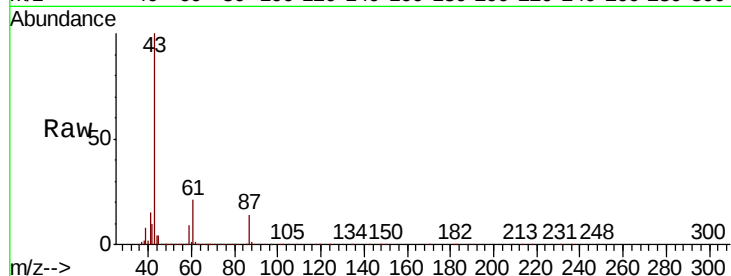
Tgt Ion: 43 Resp: 232509

Ion Ratio Lower Upper

43 100

61 19.9 16.8 25.2

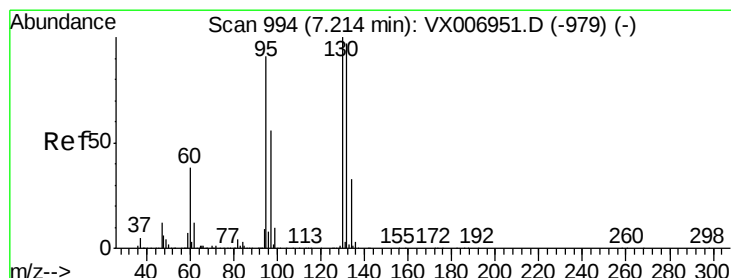
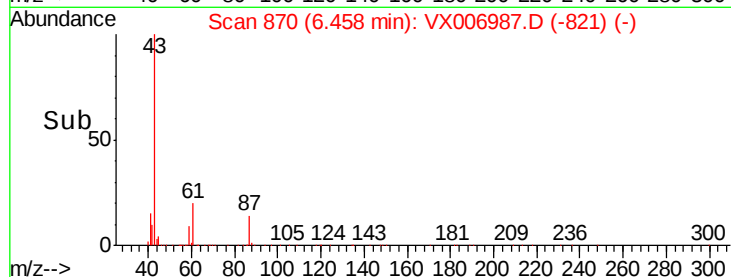
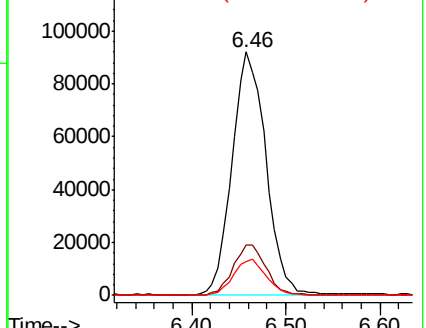
87 14.5 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.342 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006987.D

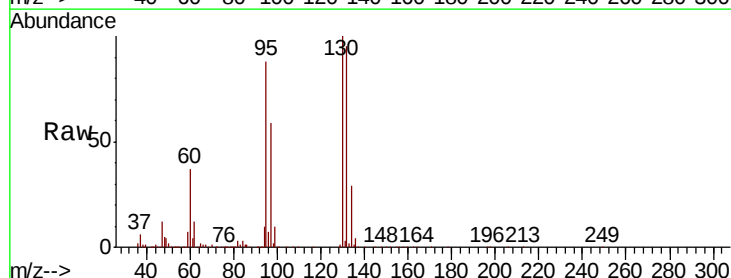
Acq: 10 Jan 2019 14:01

Tgt Ion: 130 Resp: 121300

Ion Ratio Lower Upper

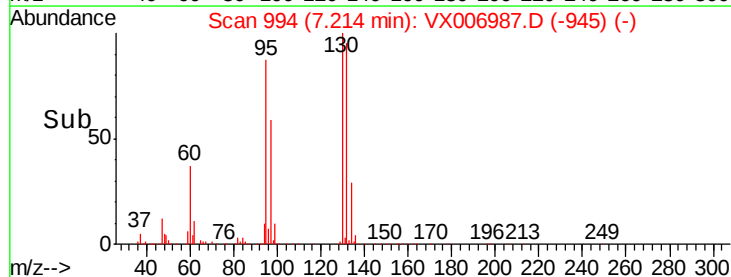
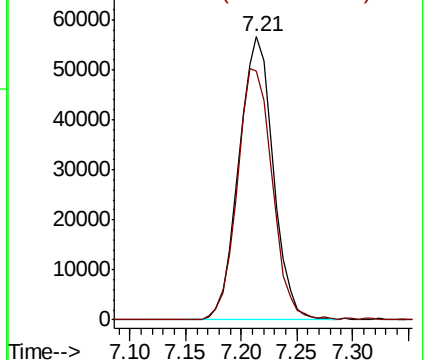
130 100

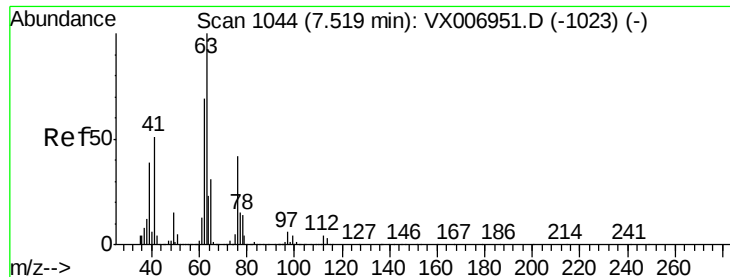
95 87.8 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.610 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

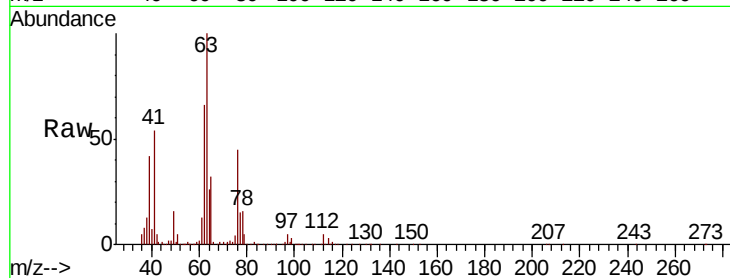
VX0110WBSD01

Tgt Ion: 63 Resp: 103174

Ion Ratio Lower Upper

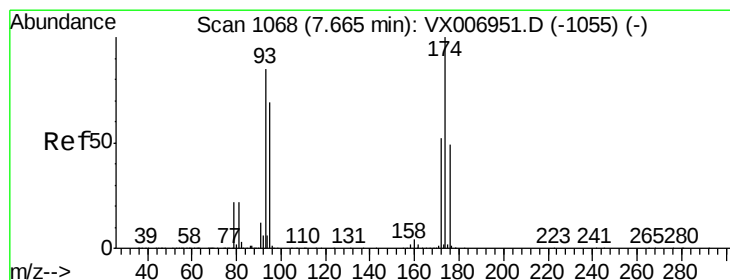
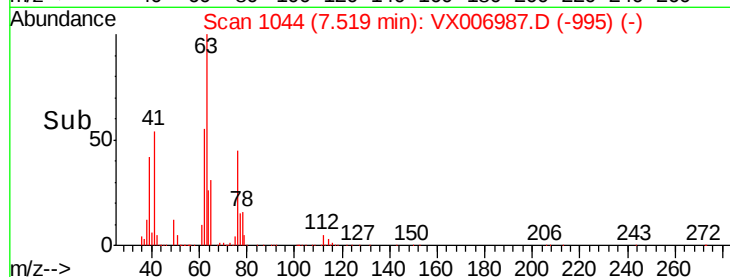
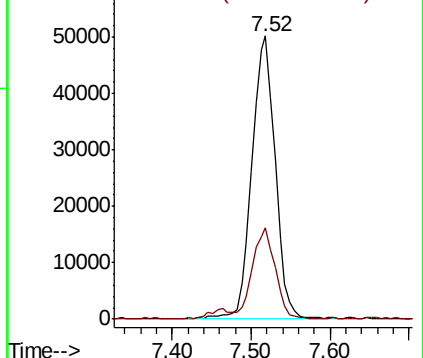
63 100

65 32.1 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.599 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

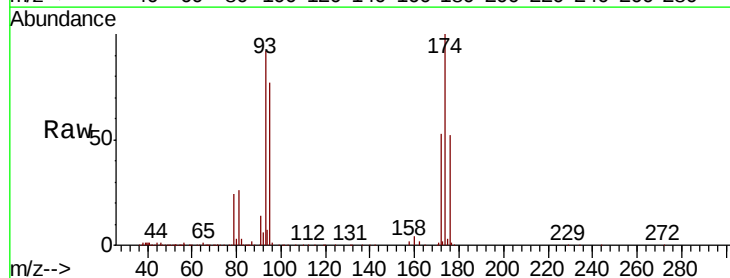
Tgt Ion: 93 Resp: 72471

Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.4

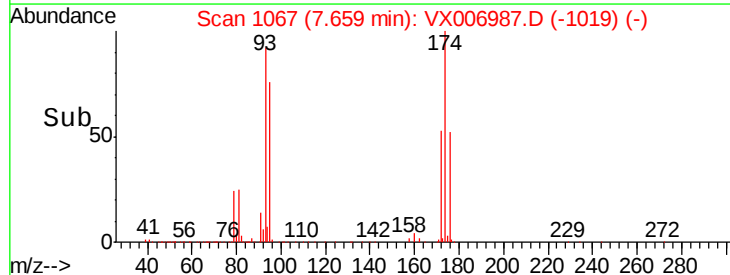
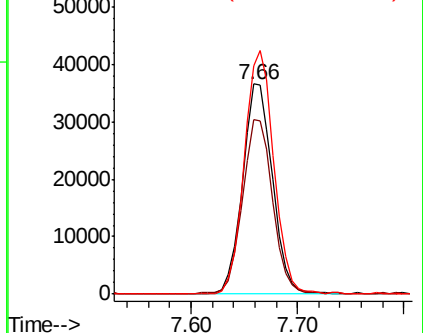
174 114.1 91.0 136.4

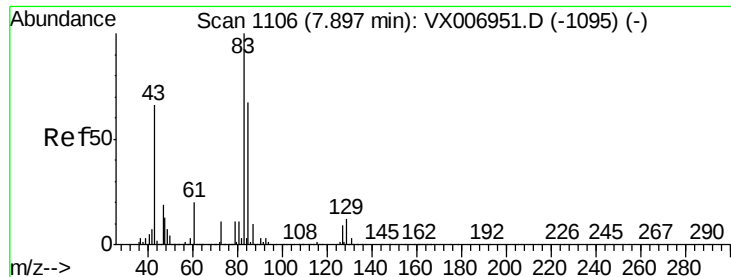


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.263 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

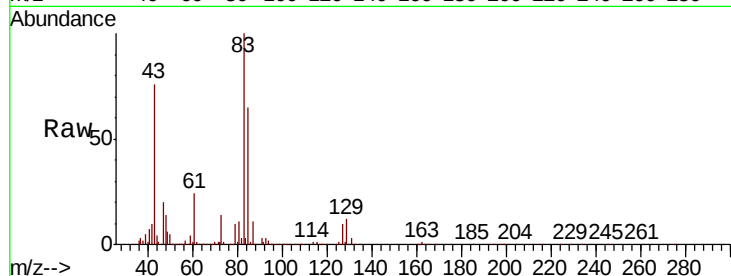
Tgt Ion: 83 Resp: 121241

Ion Ratio Lower Upper

83 100

85 64.7 53.2 79.8

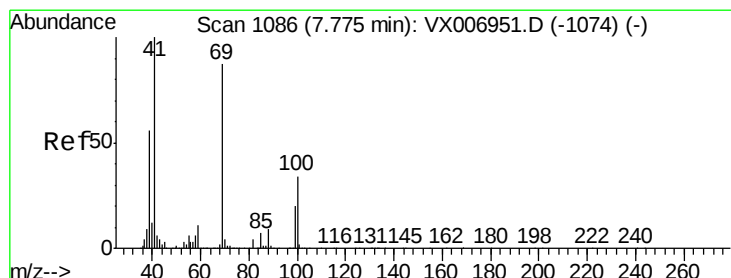
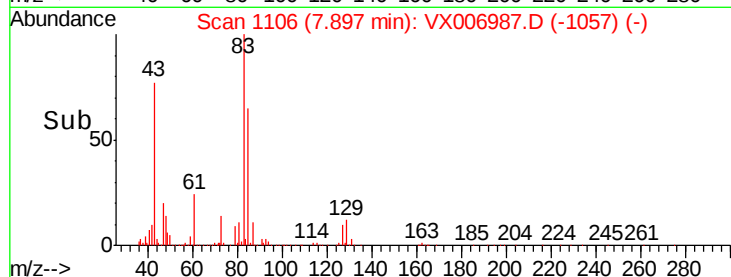
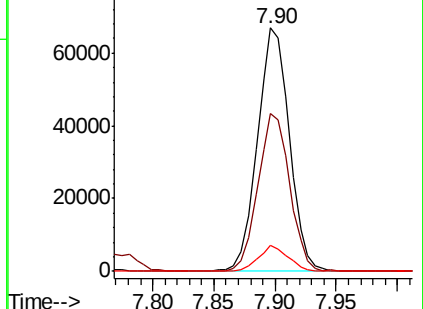
127 10.4 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.443 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

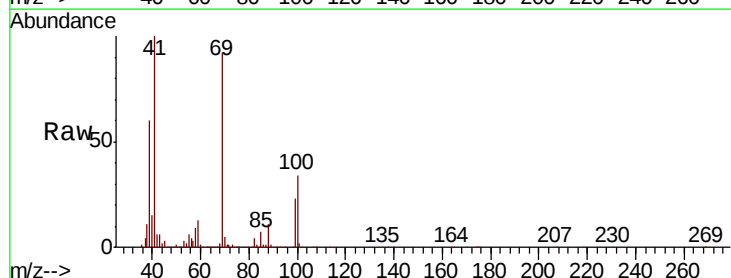
Tgt Ion: 41 Resp: 115809

Ion Ratio Lower Upper

41 100

69 90.1 72.4 108.6

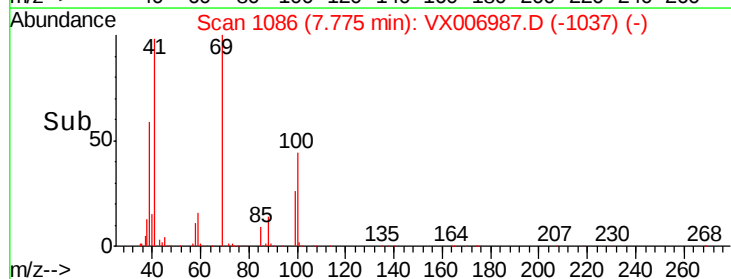
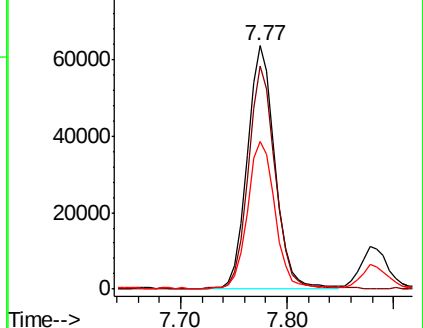
39 60.0 45.8 68.8

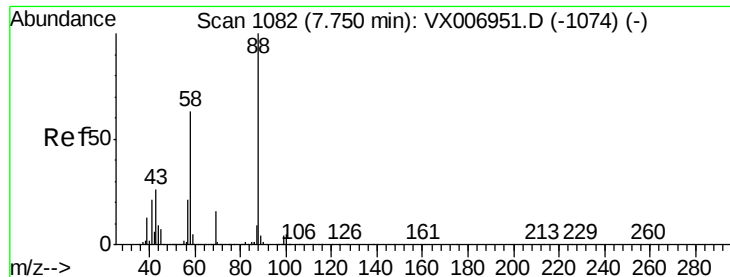


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

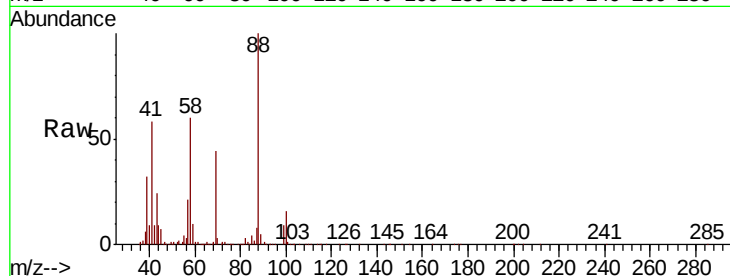




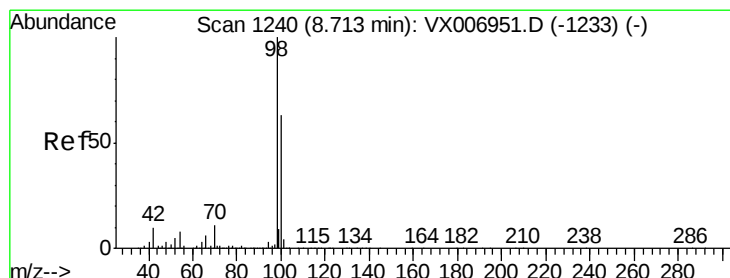
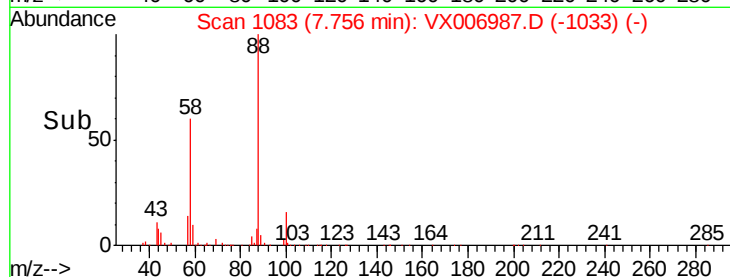
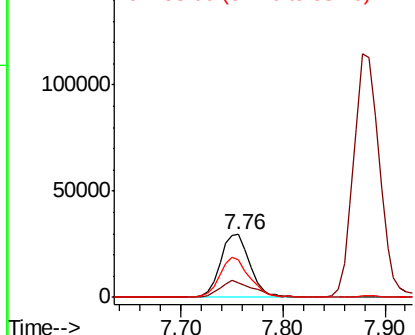
#49
1,4-Dioxane
Concen: 437.073 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tgt Ion: 88 Resp: 60109
Ion Ratio Lower Upper
88 100
43 28.5 22.2 33.4
58 64.0 51.0 76.4

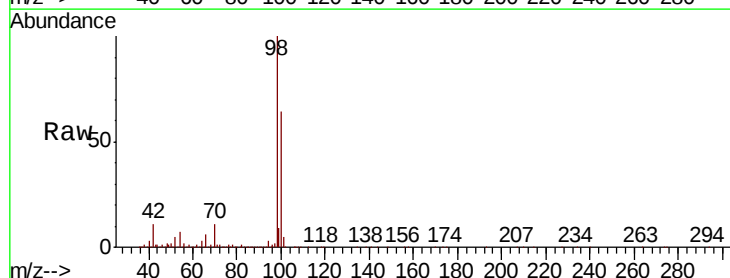


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

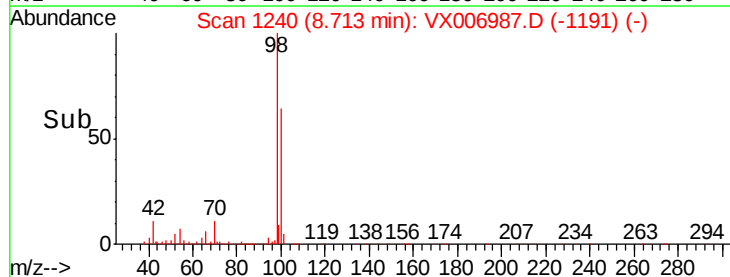
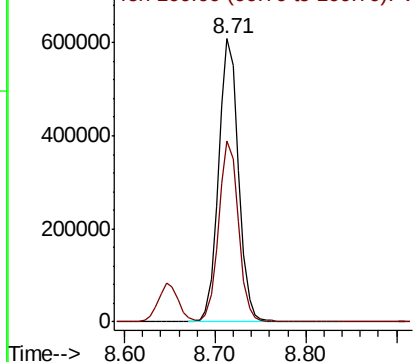


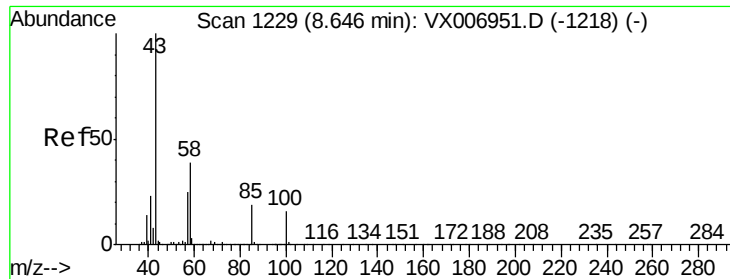
#50
Toluene-d8
Concen: 50.271 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 98 Resp: 929598
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

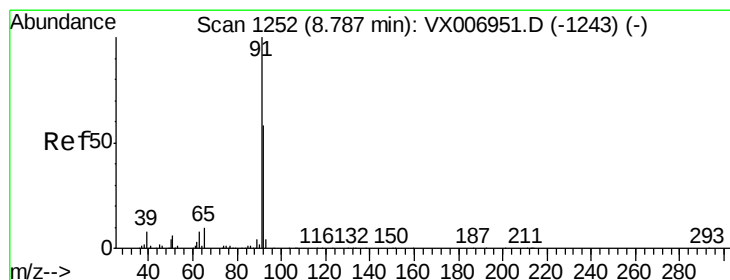
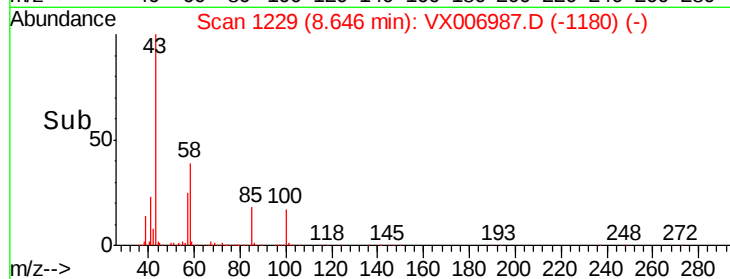
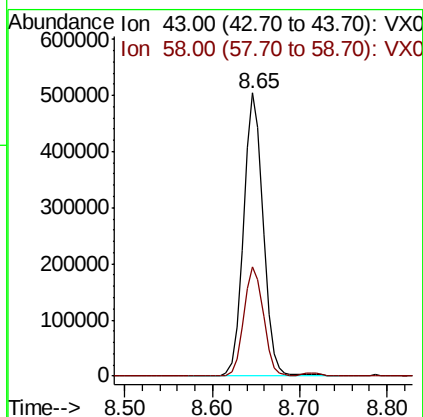
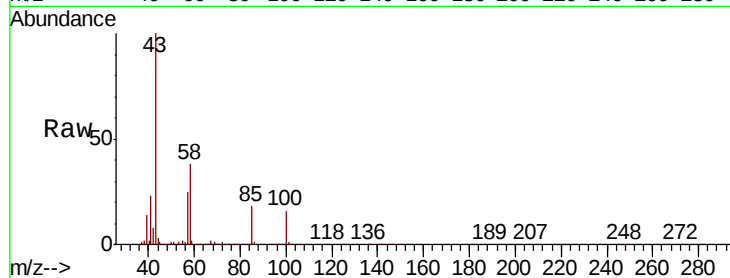




#51
 4-Methyl-2-Pentanone
 Concen: 104.979 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

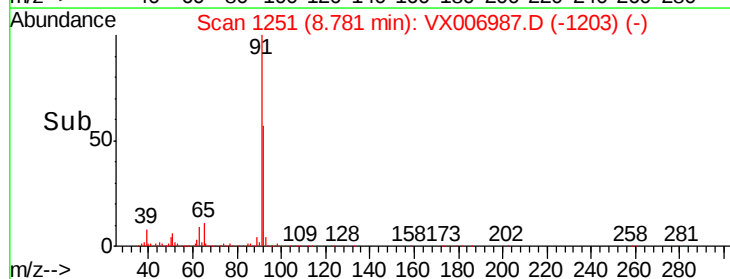
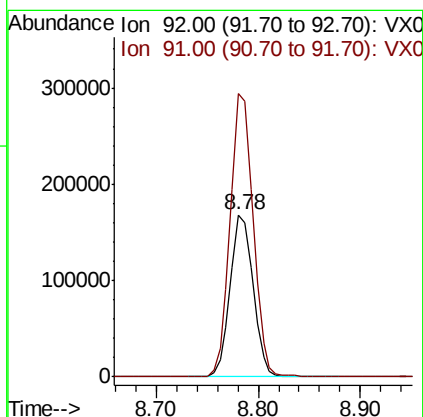
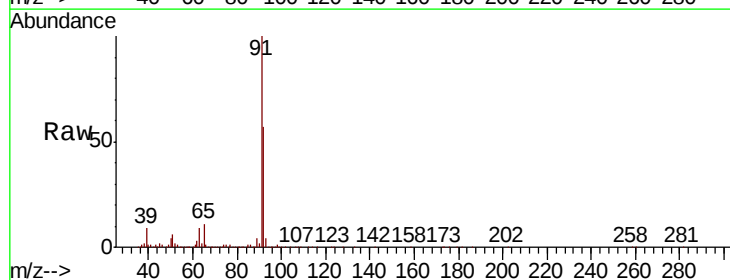
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tgt Ion: 43 Resp: 782505
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.8 47.6



#52
 Toluene
 Concen: 19.519 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion: 92 Resp: 262549
 Ion Ratio Lower Upper
 92 100
 91 174.6 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.495 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

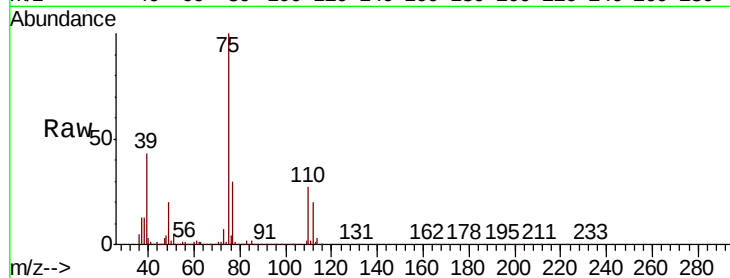
VX0110WBSD01

Tgt Ion: 75 Resp: 129079

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

100000

80000

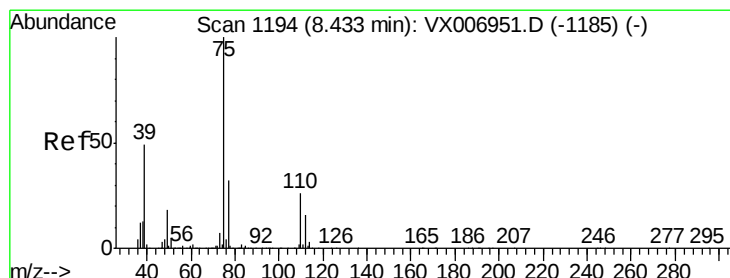
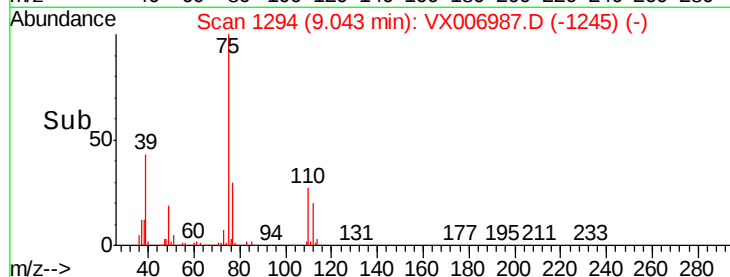
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 19.224 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

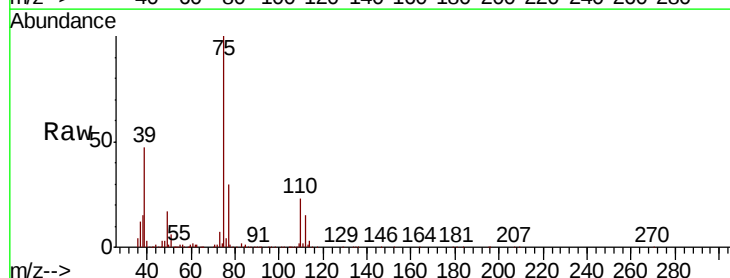
Tgt Ion: 75 Resp: 148169

Ion Ratio Lower Upper

75 100

77 29.8 26.2 39.2

39 47.0 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

120000

100000

80000

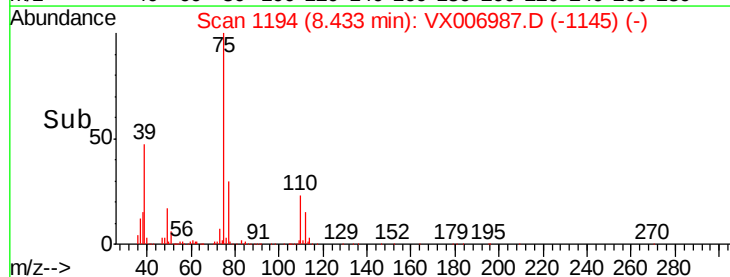
60000

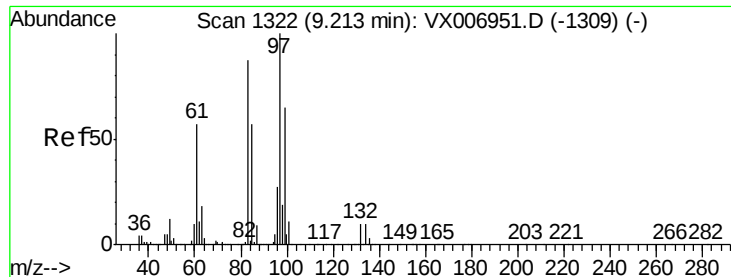
40000

20000

0

Time--> 8.35 8.40 8.45 8.50 8.55





#55

1,1,2-Trichloroethane

Concen: 20.850 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tgt Ion: 97 Resp: 112254

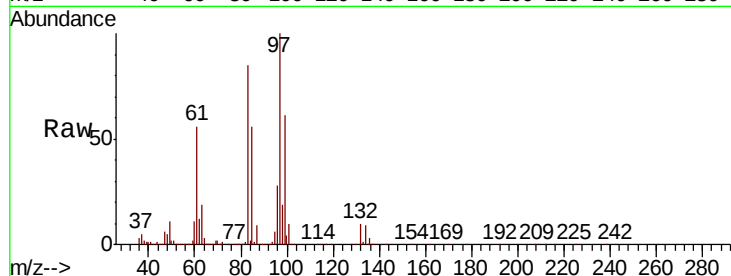
Ion Ratio Lower Upper

97 100

83 84.8 66.6 99.8

85 56.1 42.7 64.1

99 60.5 50.8 76.2



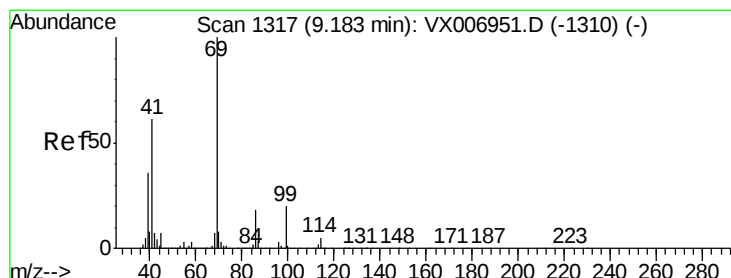
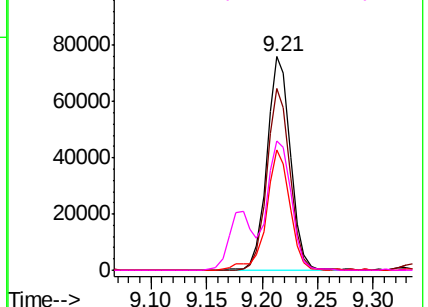
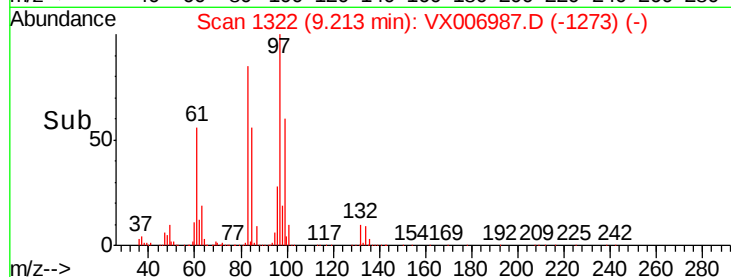
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.290 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

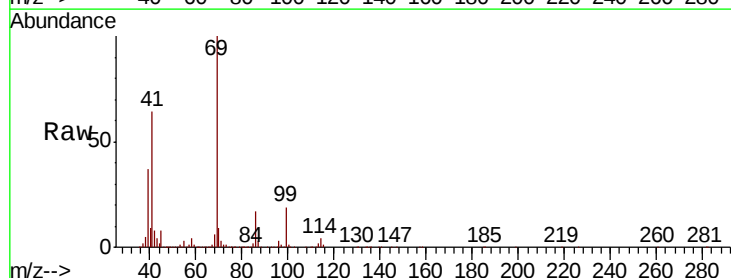
Tgt Ion: 69 Resp: 159480

Ion Ratio Lower Upper

69 100

41 62.9 48.7 73.1

39 37.1 27.0 40.6

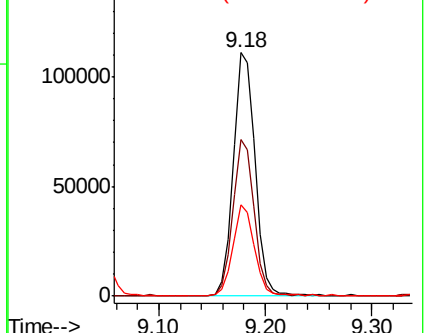
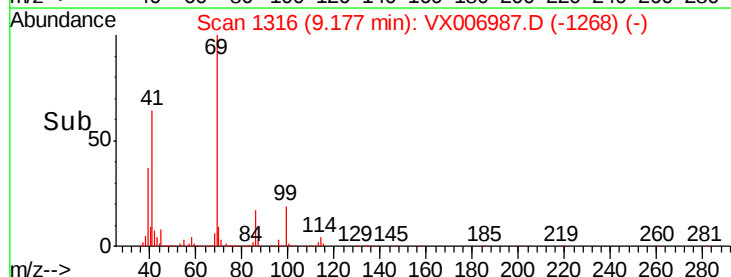


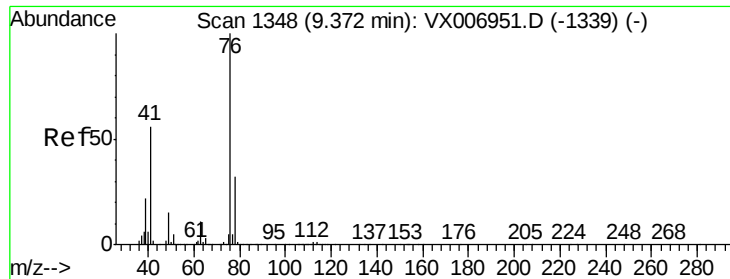
Abundance

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





#57

1,3-Dichloropropane

Concen: 20.298 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

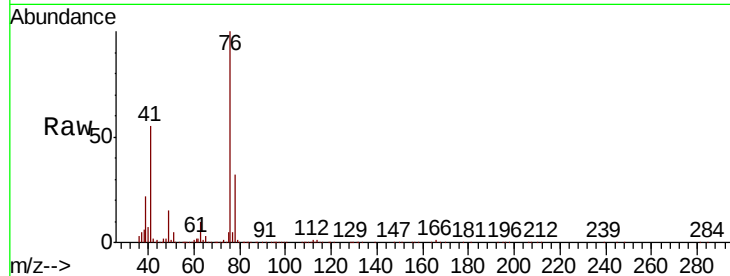
VX0110WBSD01

Tgt Ion: 76 Resp: 179032

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

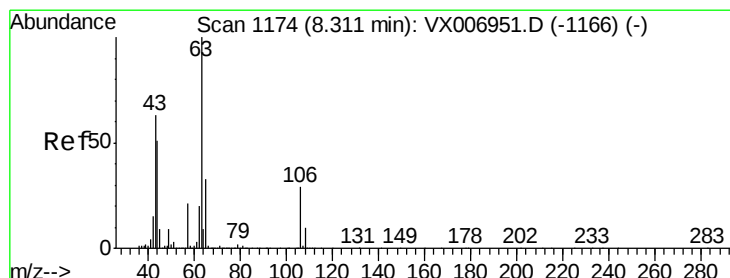
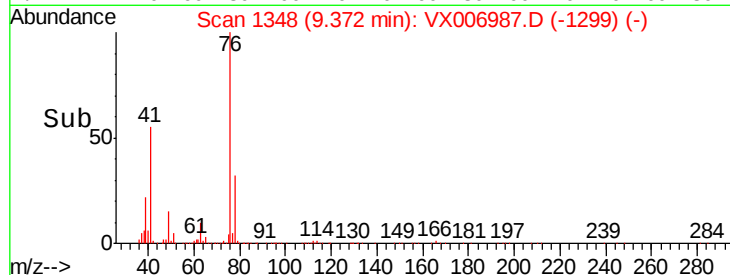
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.284 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006987.D

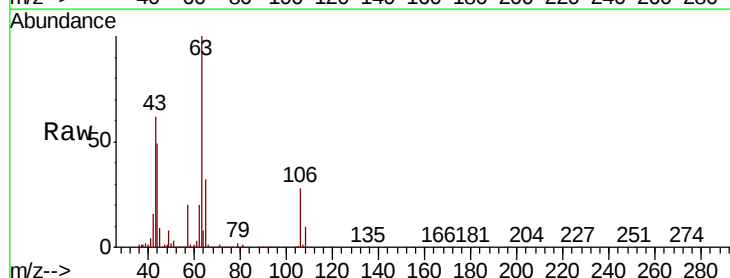
Acq: 10 Jan 2019 14:01

Tgt Ion: 63 Resp: 389104

Ion Ratio Lower Upper

63 100

106 30.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

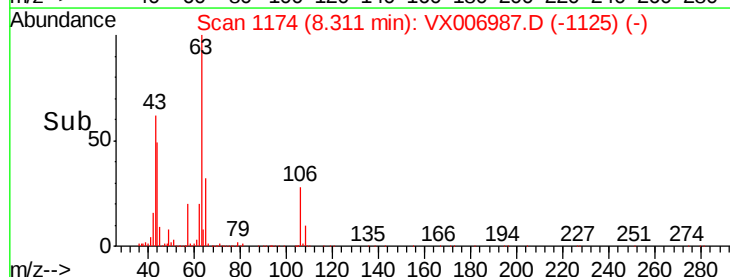
150000

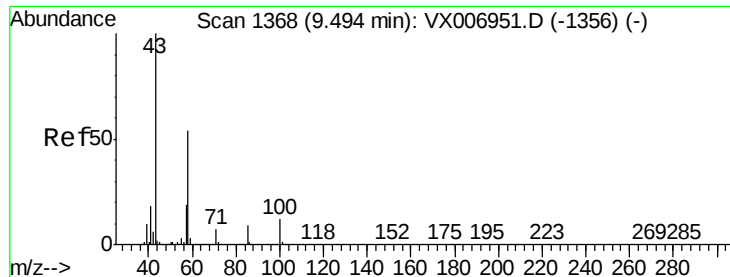
100000

50000

0

Time-->

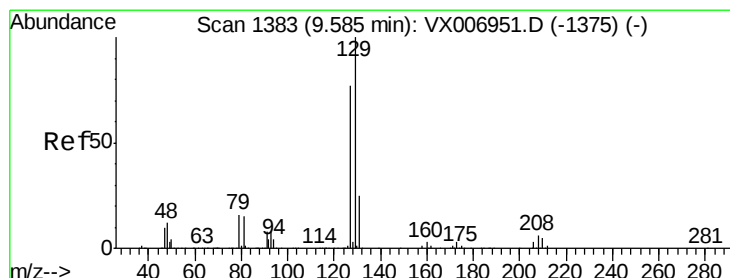
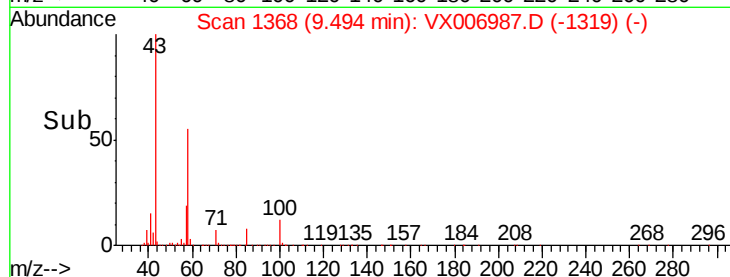
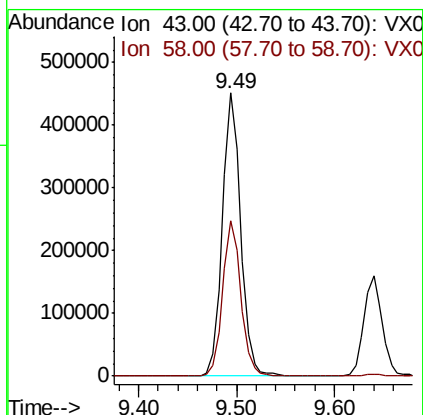
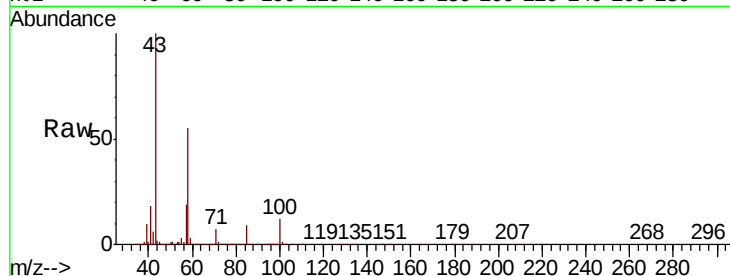




#59
2-Hexanone
Concen: 103.659 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

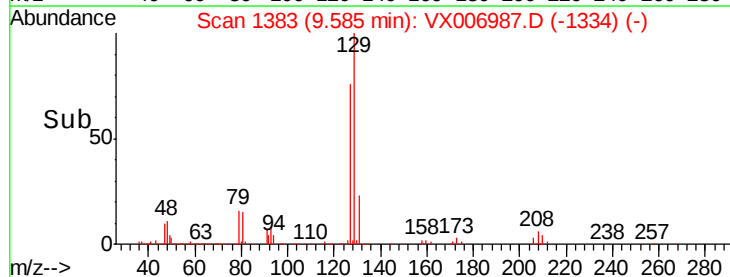
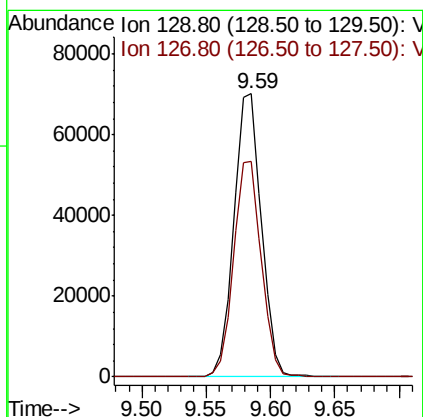
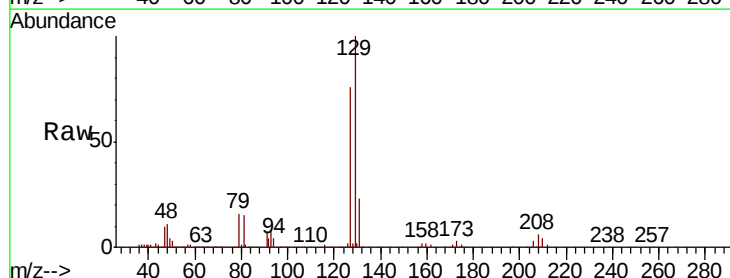
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

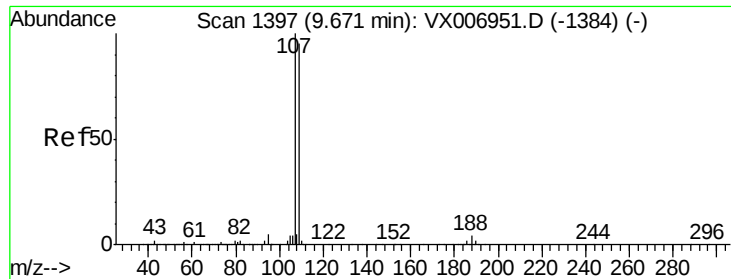
Tgt Ion: 43 Resp: 588815
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1



#60
Dibromochloromethane
Concen: 19.933 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 129 Resp: 104207
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.996 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

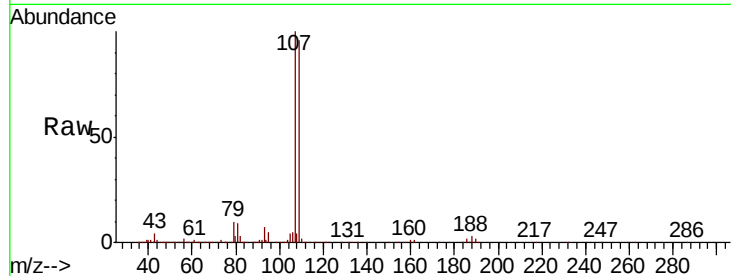
VX0110WBSD01

Tgt Ion: 107 Resp: 118522

Ion Ratio Lower Upper

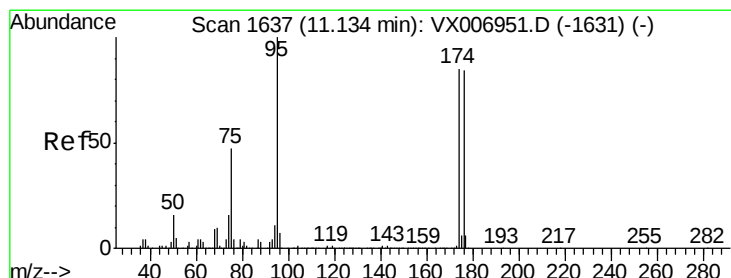
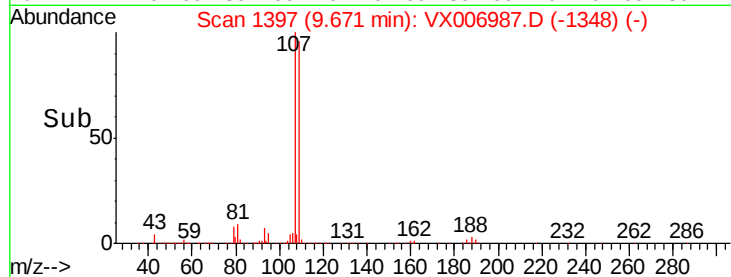
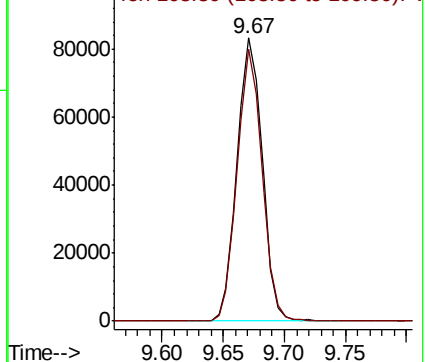
107 100

109 95.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.972 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

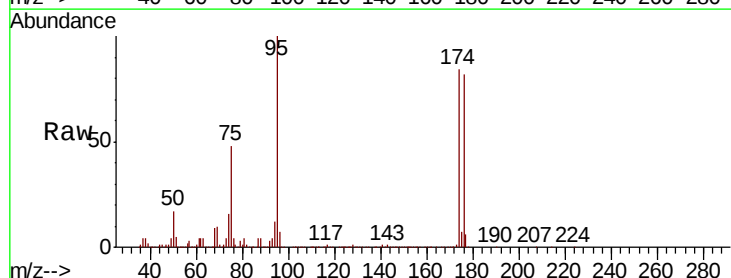
Tgt Ion: 95 Resp: 322149

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.2

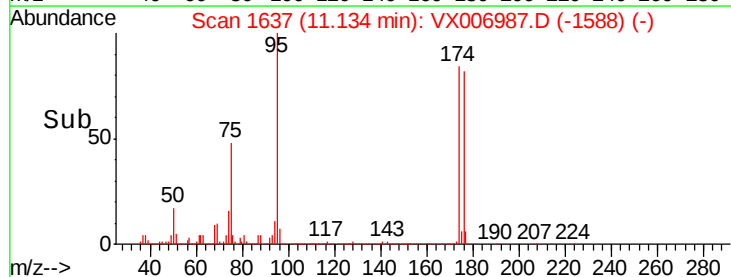
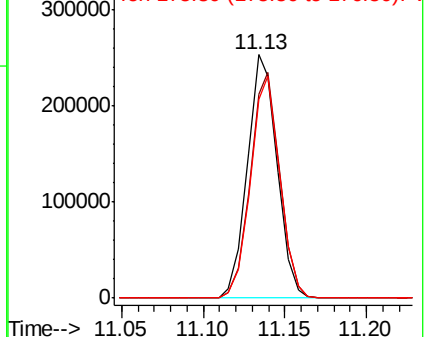
176 90.0 0.0 178.8

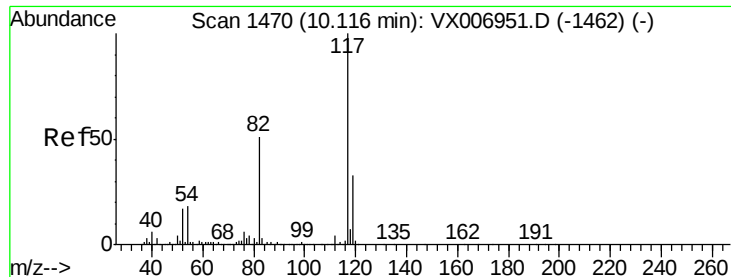


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

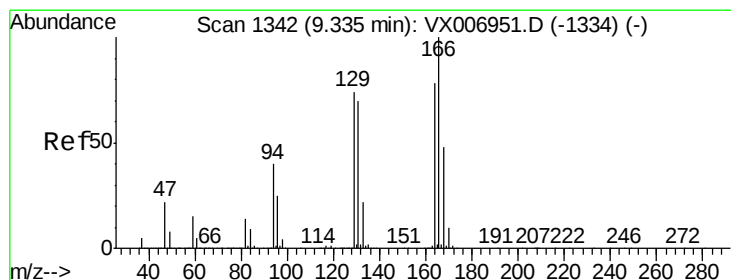
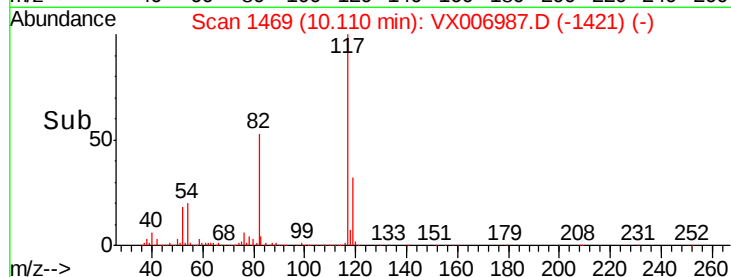
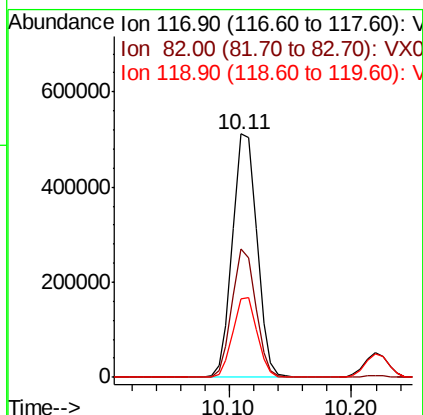
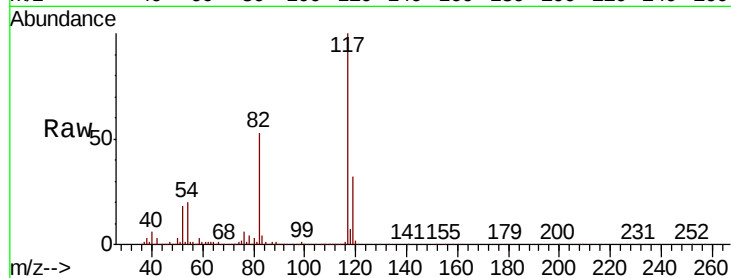




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

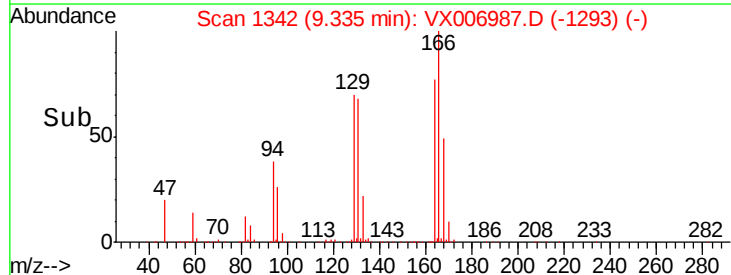
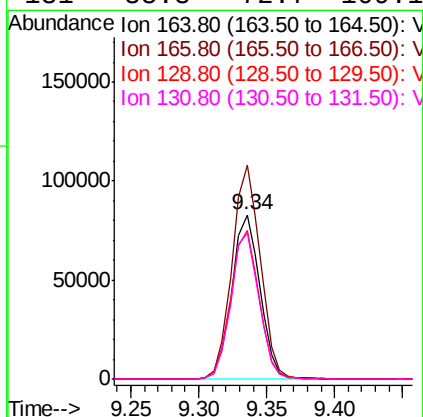
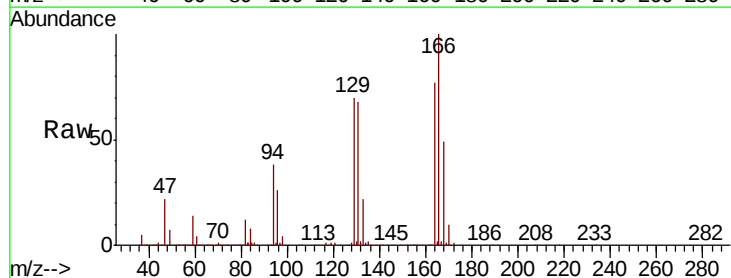
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

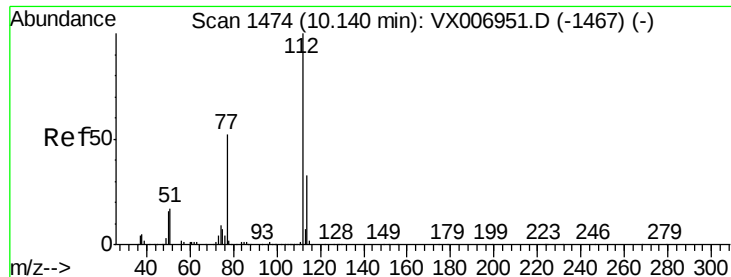
Tgt Ion:117 Resp: 709896
Ion Ratio Lower Upper
117 100
82 52.7 41.0 61.6
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 19.525 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion:164 Resp: 120005
Ion Ratio Lower Upper
164 100
166 129.8 102.5 153.7
129 90.6 75.1 112.7
131 88.8 72.7 109.1





#65

Chlorobenzene

Concen: 19.649 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

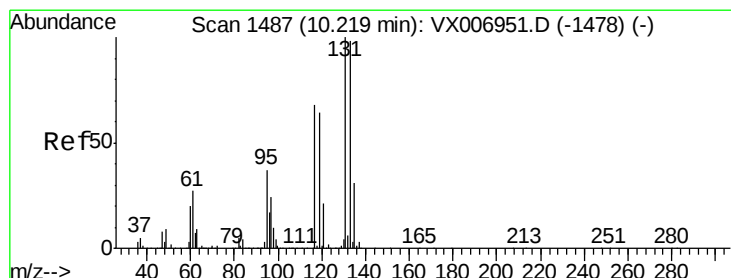
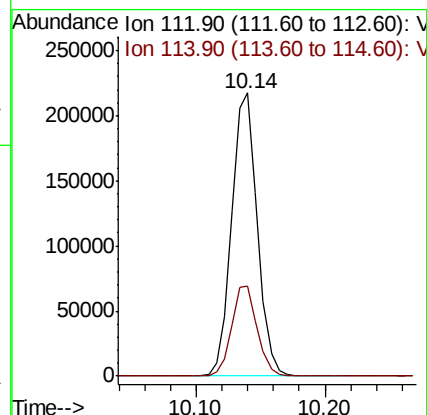
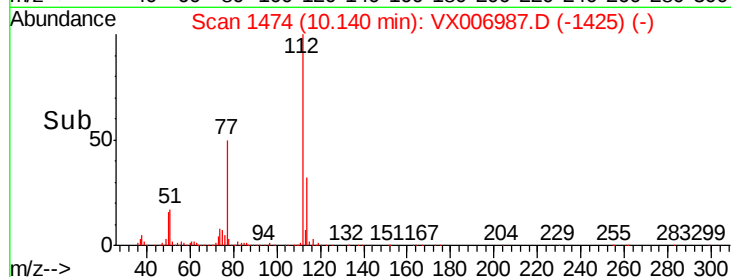
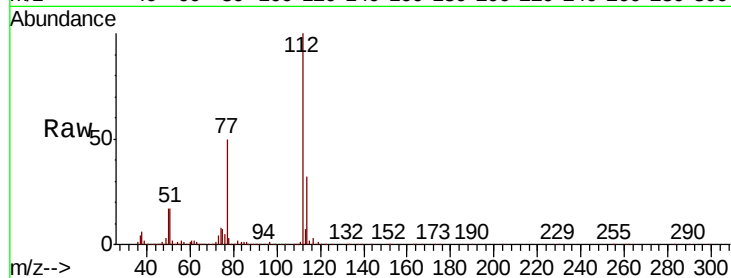
VX0110WBSD01

Tgt Ion:112 Resp: 304222

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 19.696 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

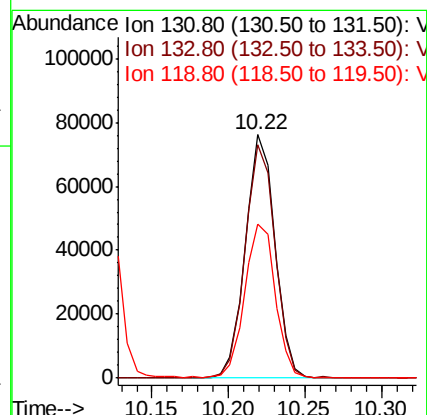
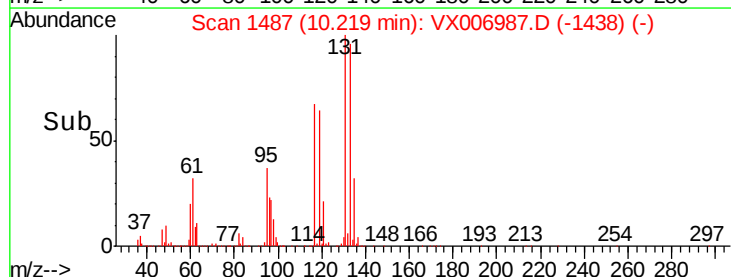
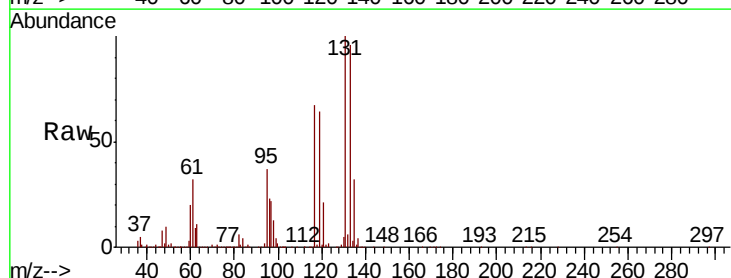
Tgt Ion:131 Resp: 102588

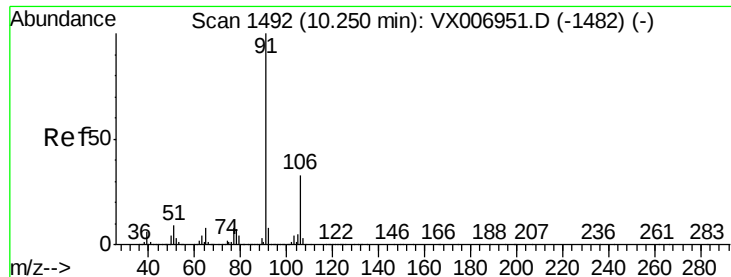
Ion Ratio Lower Upper

131 100

133 96.8 48.0 144.2

119 65.5 32.6 97.8





#67

Ethyl Benzene

Concen: 19.438 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

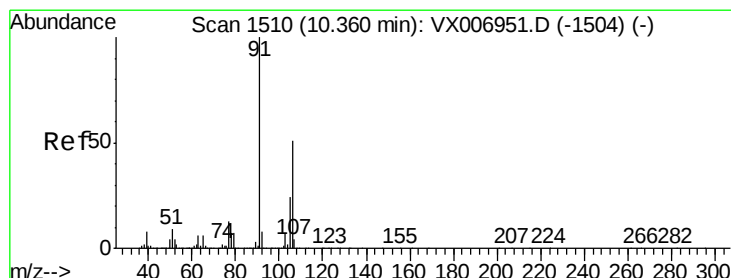
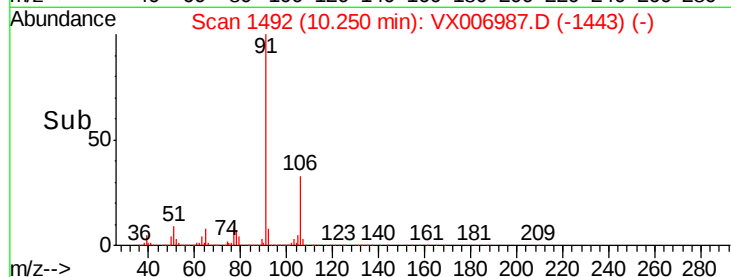
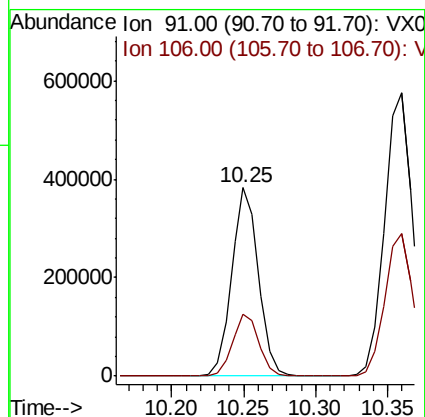
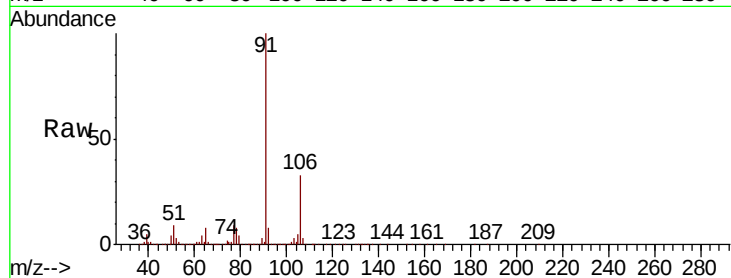
VX0110WBSD01

Tgt Ion: 91 Resp: 496854

Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6



#68

m/p-Xylenes

Concen: 38.739 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006987.D

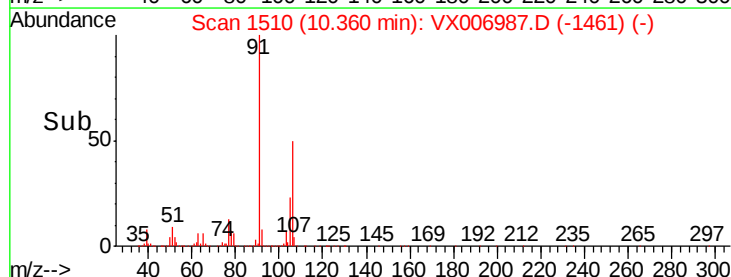
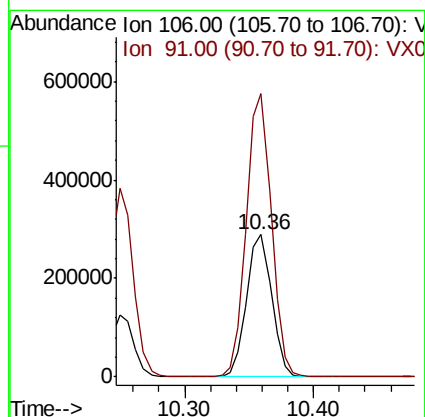
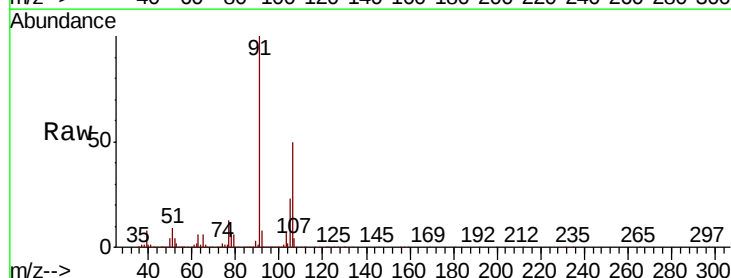
Acq: 10 Jan 2019 14:01

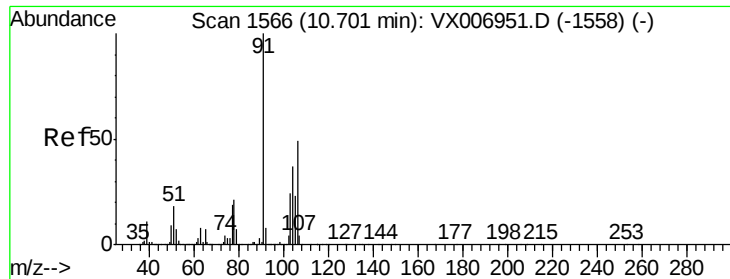
Tgt Ion: 106 Resp: 390121

Ion Ratio Lower Upper

106 100

91 197.5 155.8 233.6

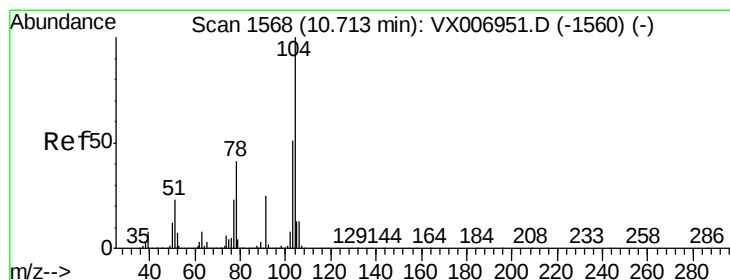
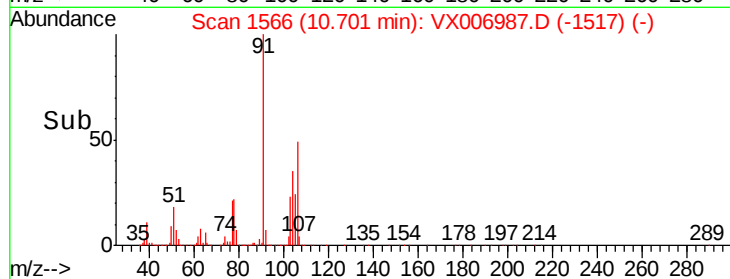
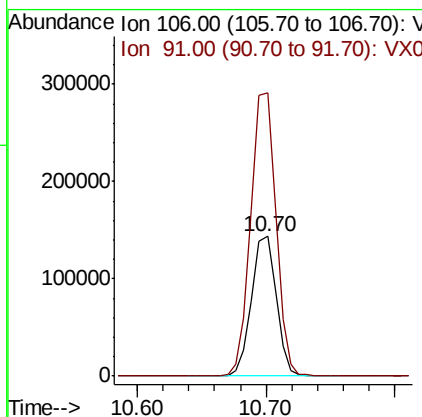
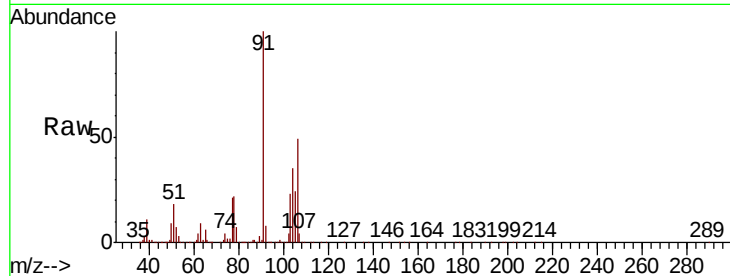




#69
o-Xylene
Concen: 19.417 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

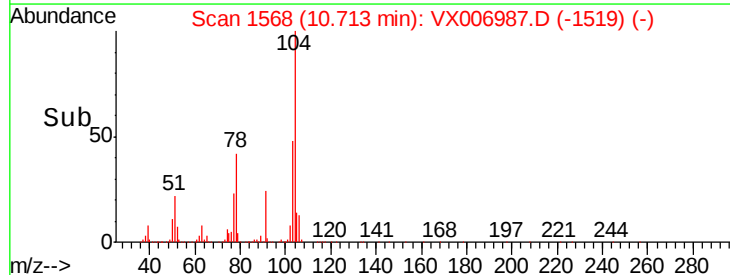
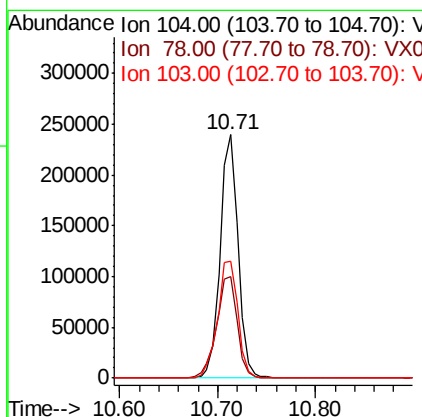
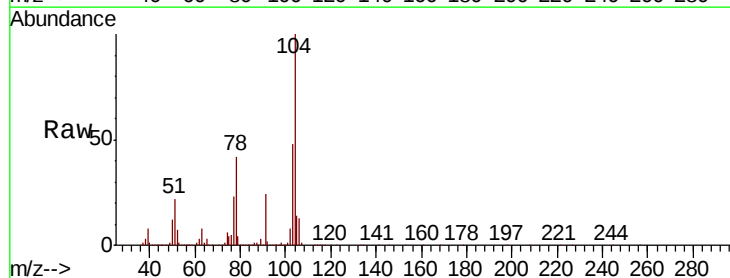
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

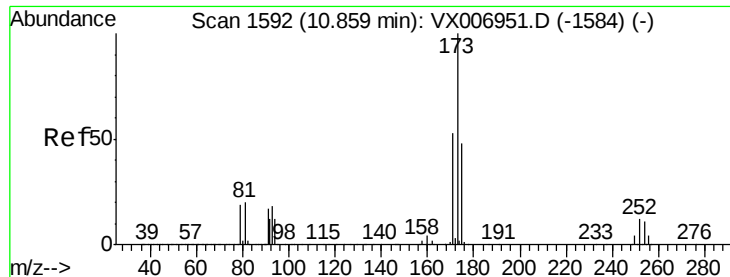
Tgt Ion:106 Resp: 190706
Ion Ratio Lower Upper
106 100
91 206.0 101.3 303.7



#70
Styrene
Concen: 19.568 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion:104 Resp: 304379
Ion Ratio Lower Upper
104 100
78 48.1 37.7 56.5
103 54.9 43.8 65.8





#71

Bromoform

Concen: 18.816 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampled :

VX0110WBSD01

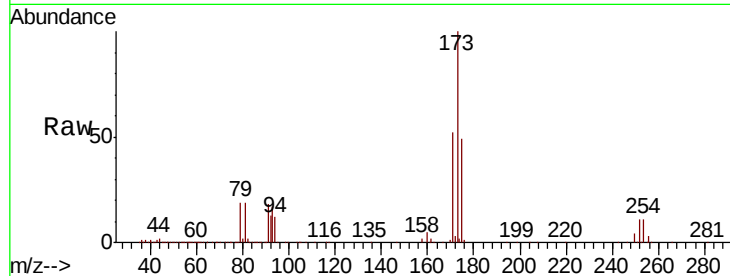
Tgt Ion:173 Resp: 72507

Ion Ratio Lower Upper

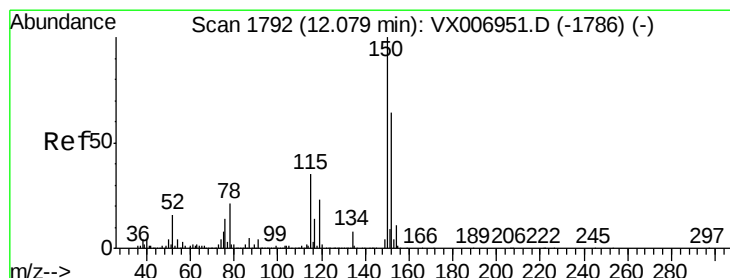
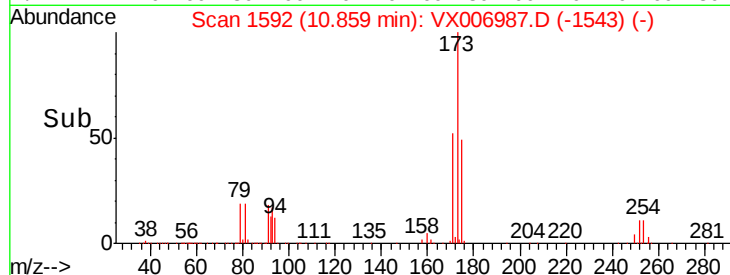
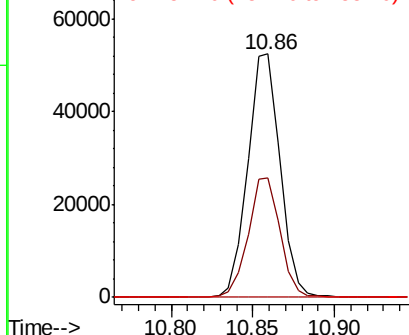
173 100

175 48.5 24.7 74.1

254 0.3 0.2 0.2#



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

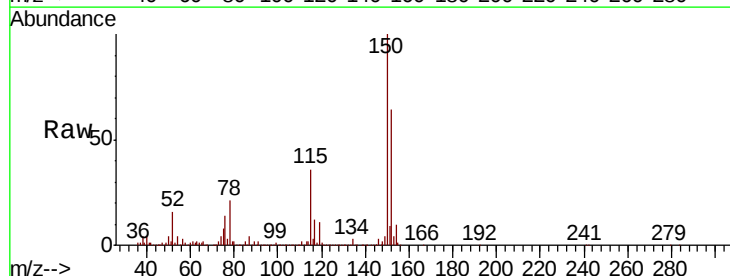
Tgt Ion:152 Resp: 354049

Ion Ratio Lower Upper

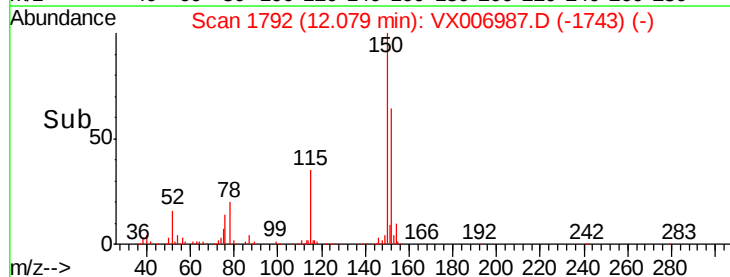
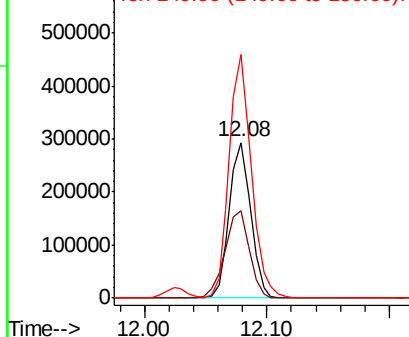
152 100

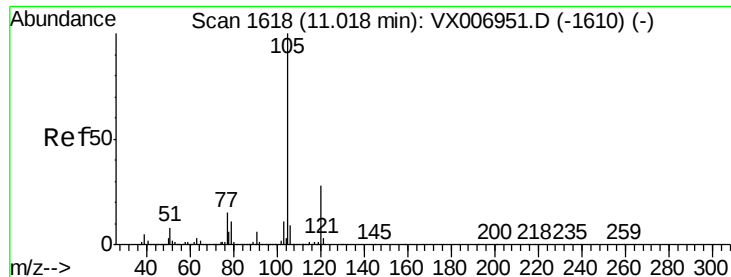
115 64.2 39.1 117.2

150 162.2 0.0 344.8



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: 20.347 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

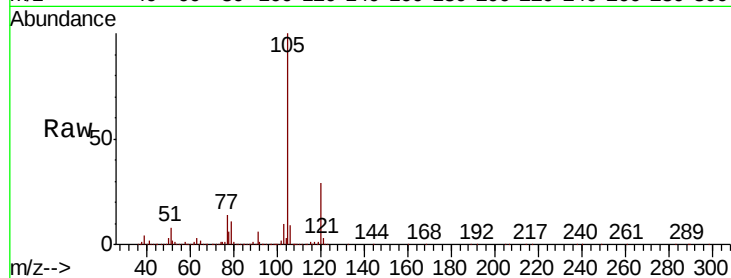
VX0110WBSD01

Tgt Ion: 105 Resp: 507980

Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

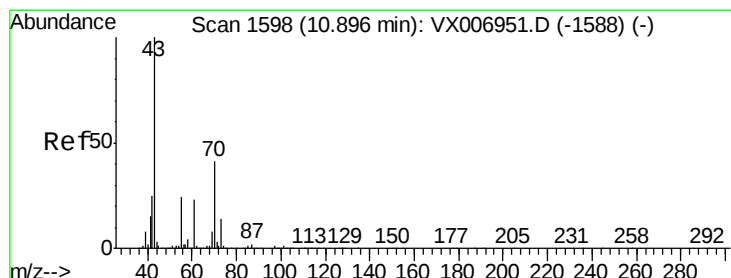
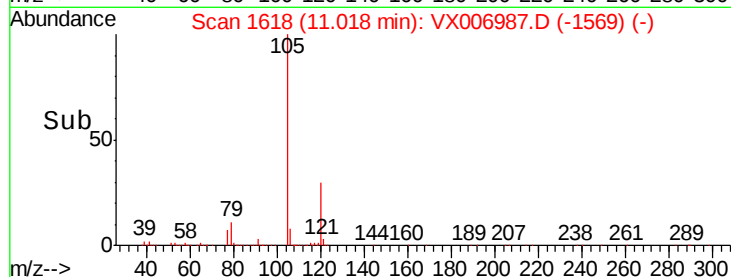
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 19.987 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion: 43 Resp: 200901

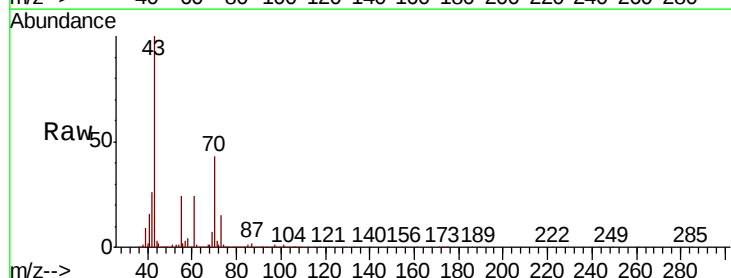
Ion Ratio Lower Upper

43 100

70 43.1 35.8 53.8

55 24.8 19.4 29.0

61 23.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

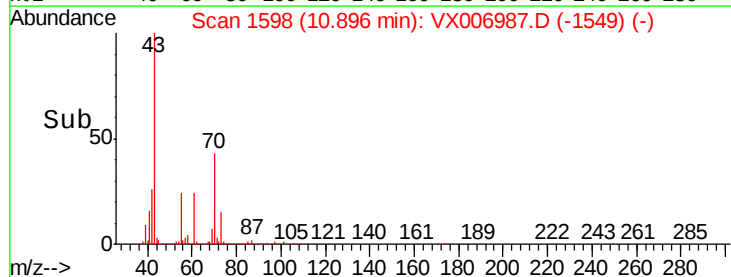
150000

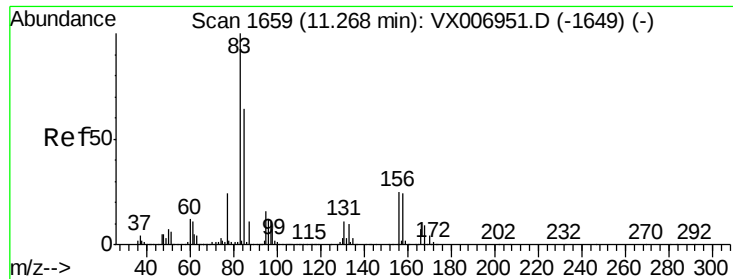
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 20.411 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

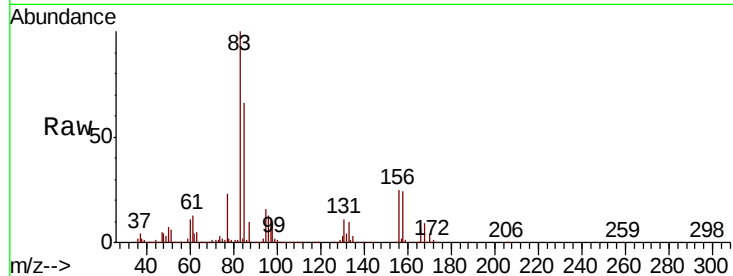
Tgt Ion: 83 Resp: 161768

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

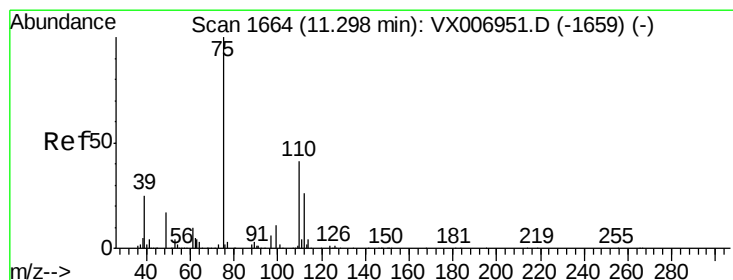
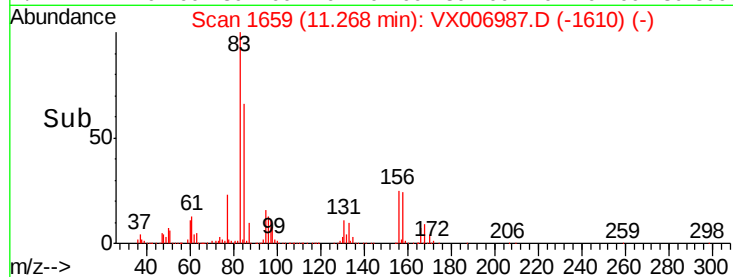
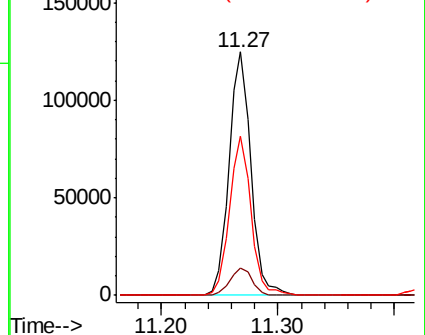
85 64.7 32.2 96.6



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: 24.208 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006987.D

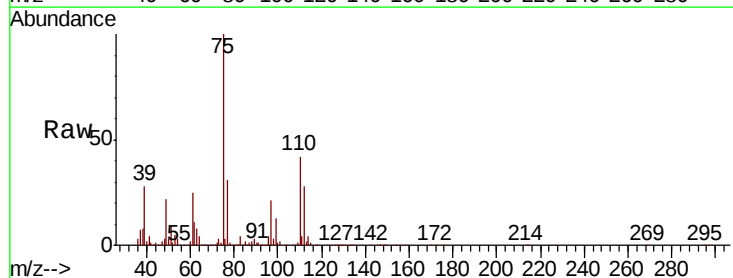
Acq: 10 Jan 2019 14:01

Tgt Ion: 75 Resp: 173686

Ion Ratio Lower Upper

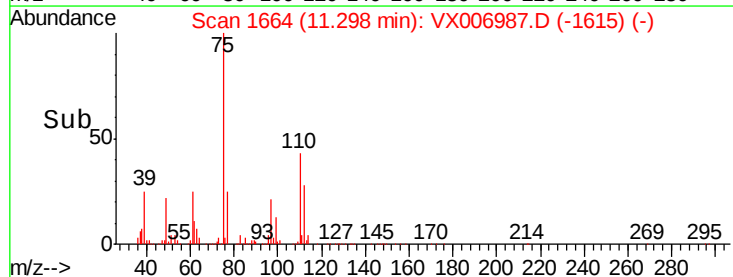
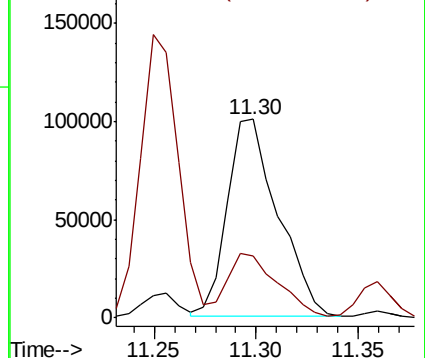
75 100

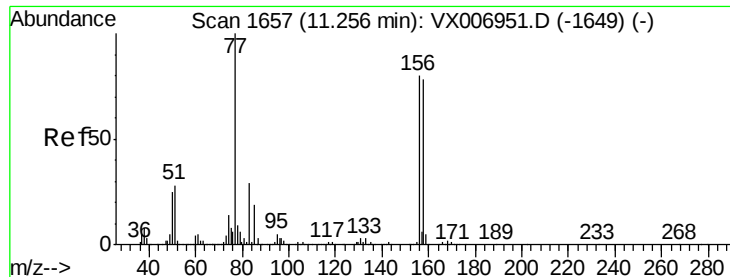
77 32.8 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.192 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

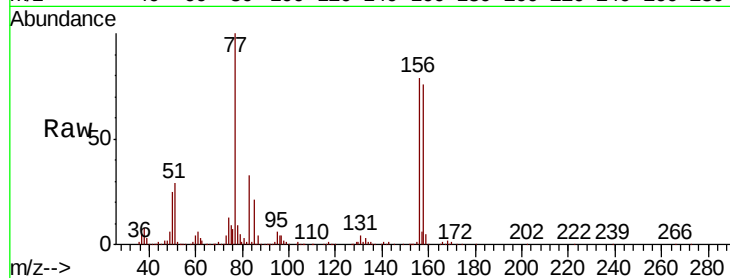
Tgt Ion:156 Resp: 138900

Ion Ratio Lower Upper

156 100

77 133.3 68.0 204.0

158 96.1 48.3 144.8

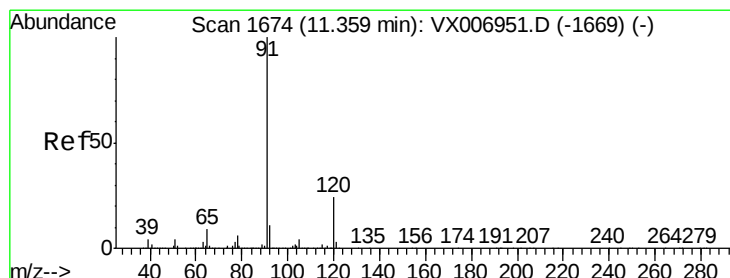
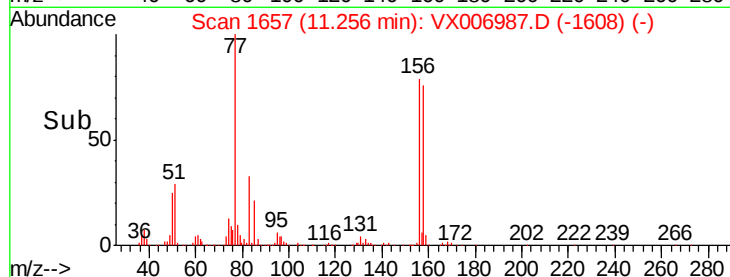
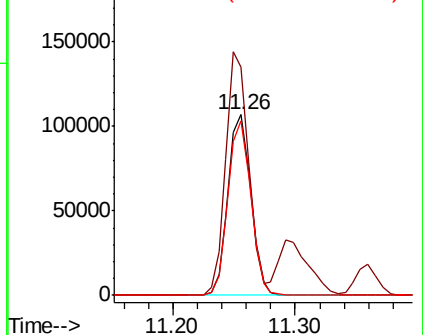


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.355 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006987.D

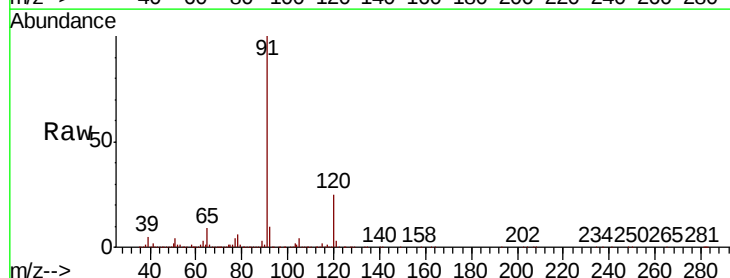
Acq: 10 Jan 2019 14:01

Tgt Ion: 91 Resp: 557863

Ion Ratio Lower Upper

91 100

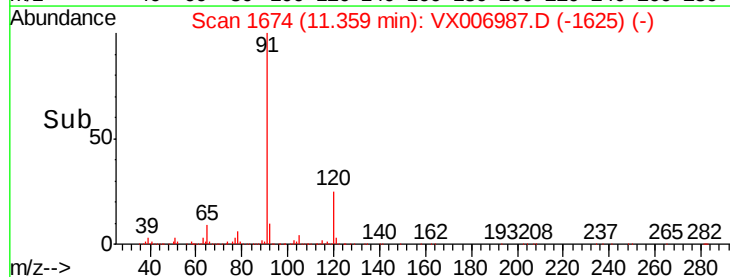
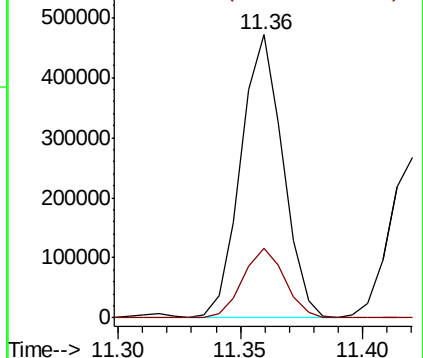
120 24.9 12.7 38.0

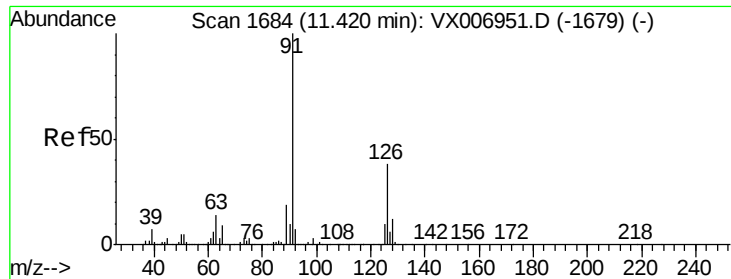


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.951 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

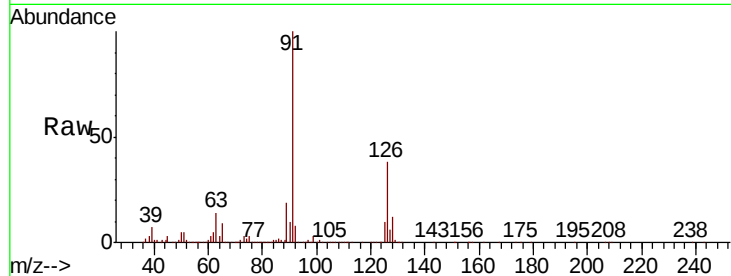
VX0110WBSD01

Tgt Ion: 91 Resp: 329145

Ion Ratio Lower Upper

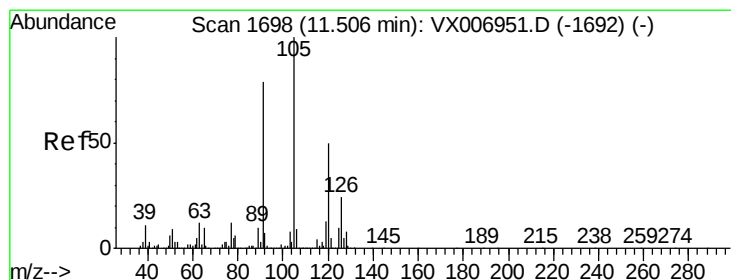
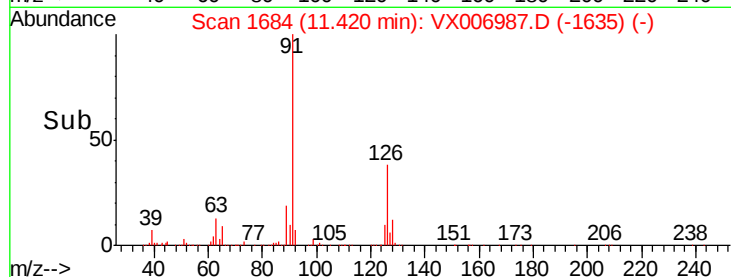
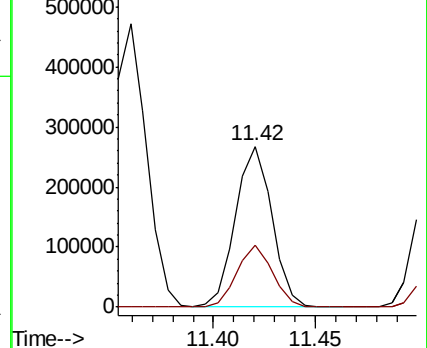
91 100

126 37.6 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.939 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006987.D

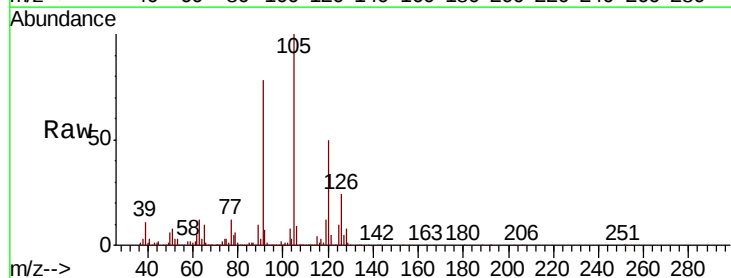
Acq: 10 Jan 2019 14:01

Tgt Ion: 105 Resp: 415931

Ion Ratio Lower Upper

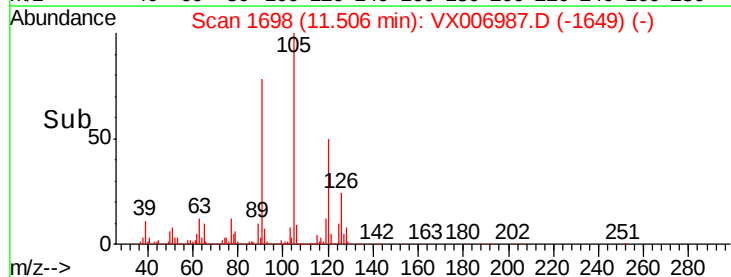
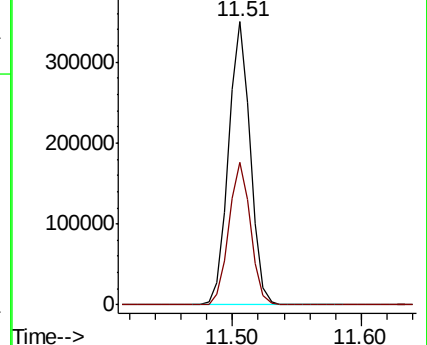
105 100

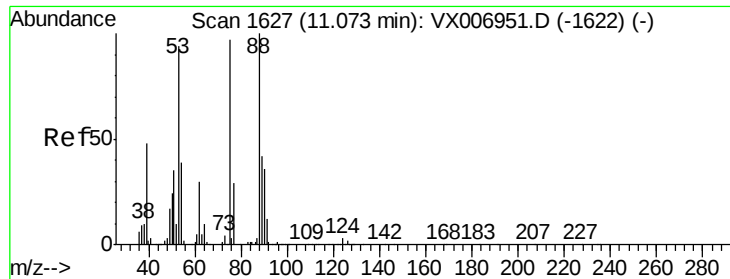
120 50.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.777 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

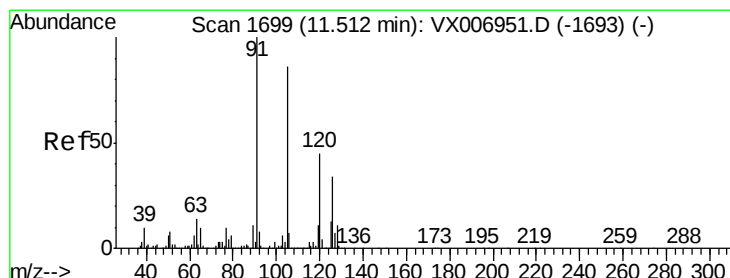
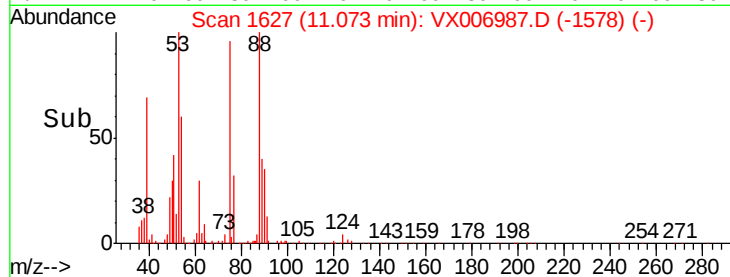
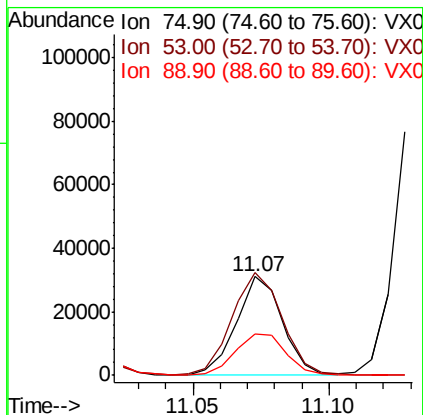
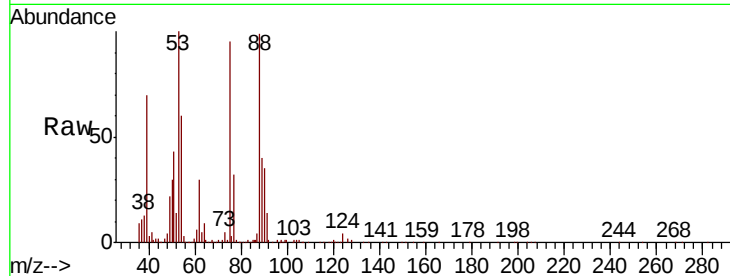
Tgt Ion: 75 Resp: 35993

Ion Ratio Lower Upper

75 100

53 114.6 79.7 119.5

89 47.0 38.0 57.0



#82

4-Chlorotoluene

Concen: 19.694 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006987.D

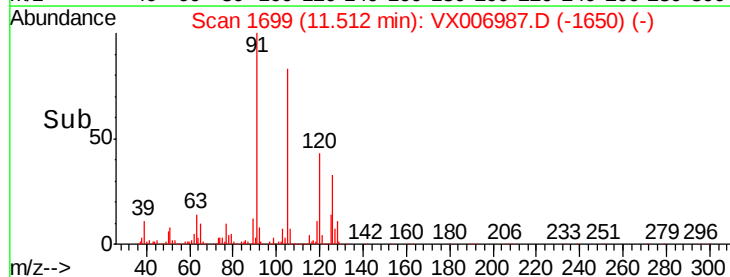
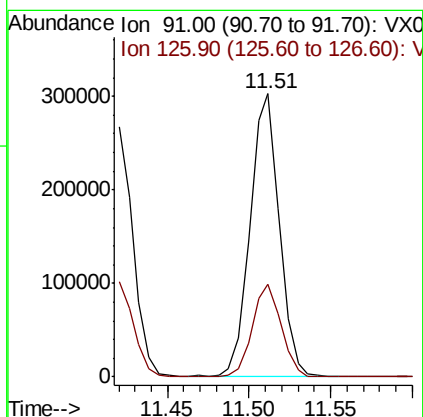
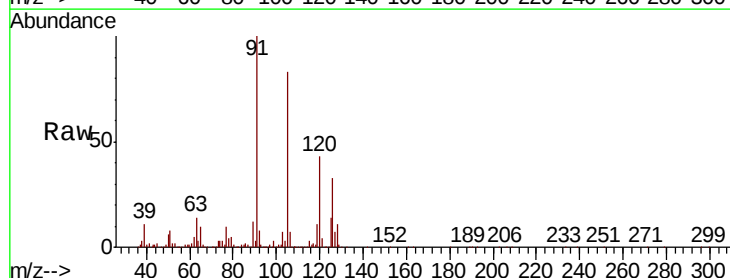
Acq: 10 Jan 2019 14:01

Tgt Ion: 91 Resp: 376188

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9

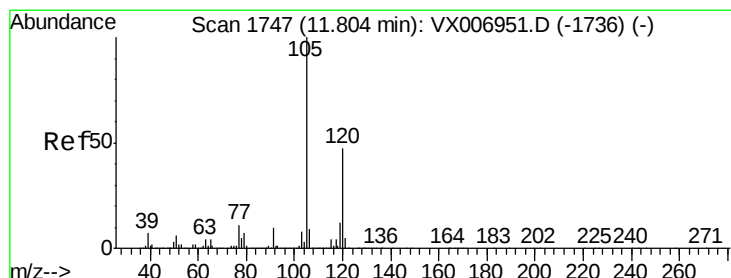
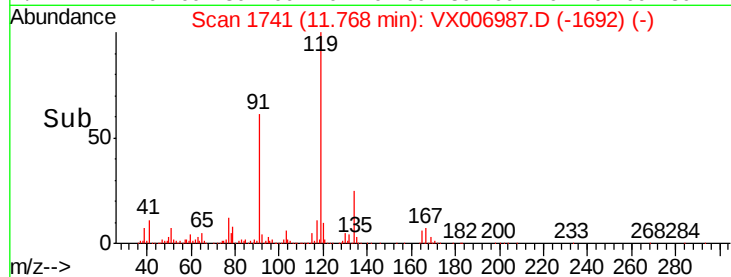
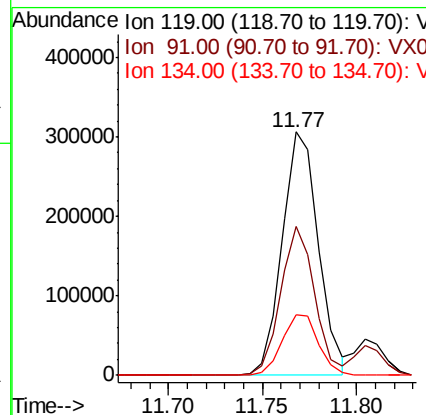
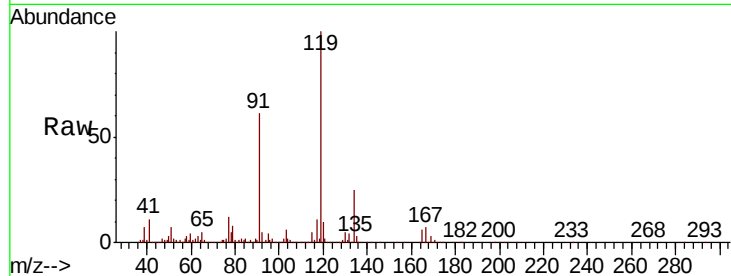




#83
 tert-Butylbenzene
 Concen: 19.581 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

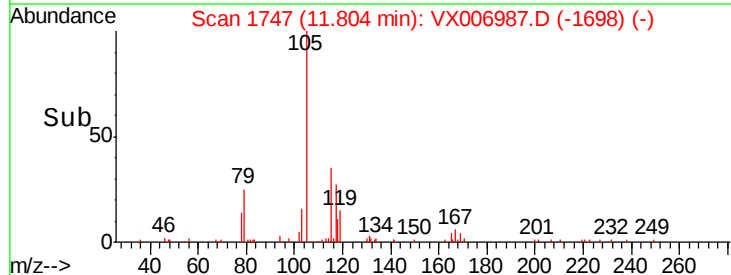
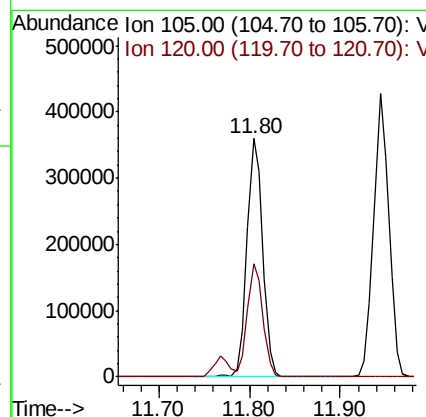
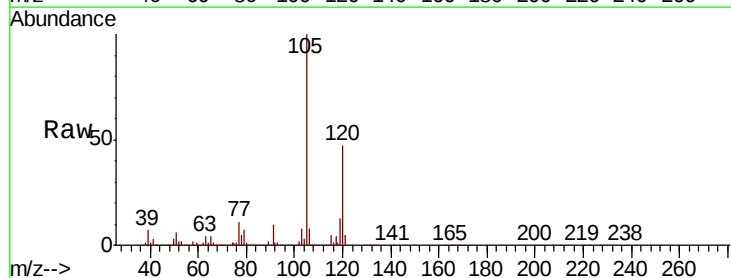
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

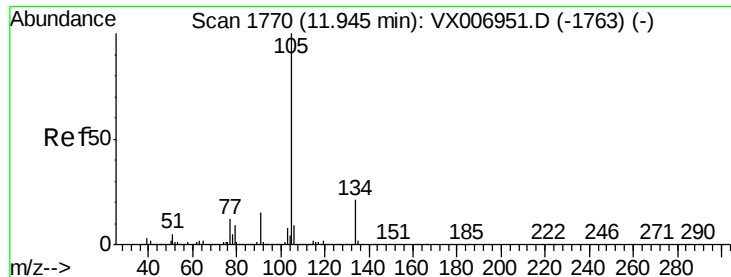
Tgt Ion:119 Resp: 407547
 Ion Ratio Lower Upper
 119 100
 91 57.4 27.7 83.1
 134 25.1 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.656 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion:105 Resp: 433292
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.281 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

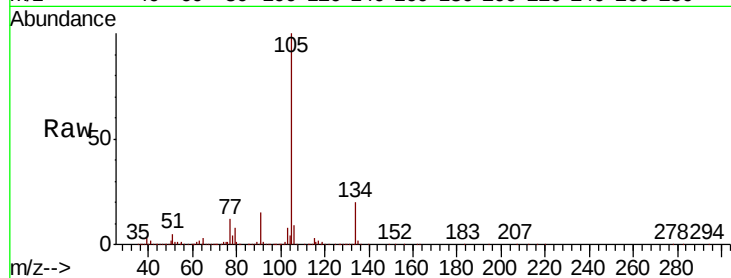
VX0110WBSD01

Tgt Ion:105 Resp: 504112

Ion Ratio Lower Upper

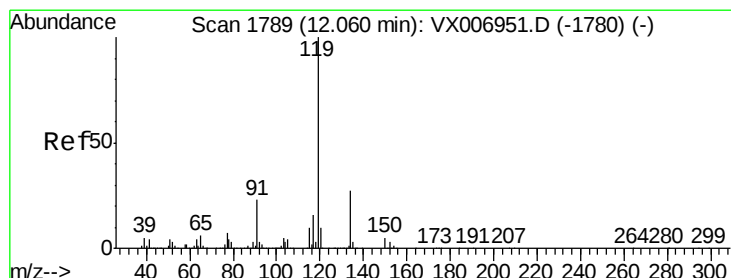
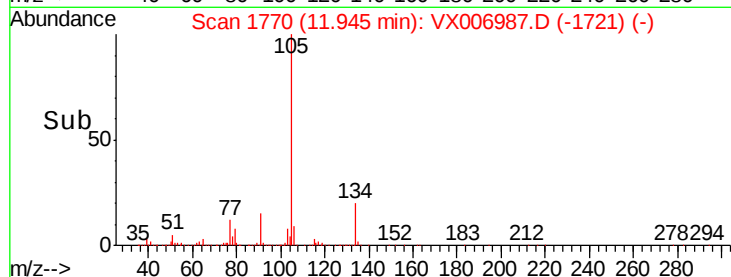
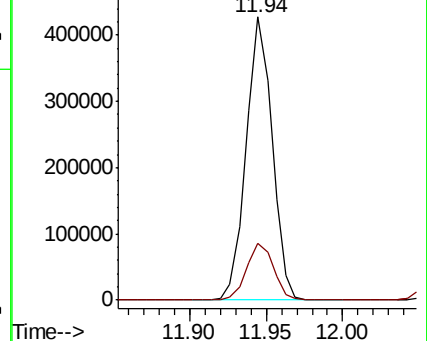
105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.109 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

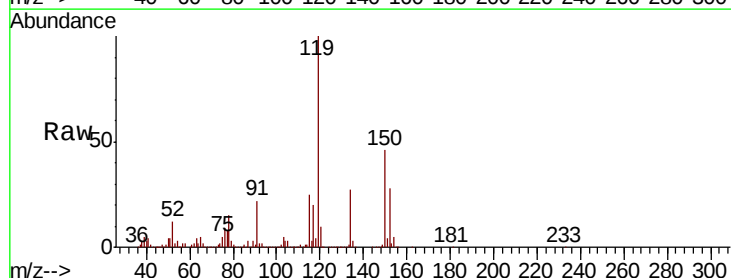
Tgt Ion:119 Resp: 447091

Ion Ratio Lower Upper

119 100

134 27.2 14.0 41.9

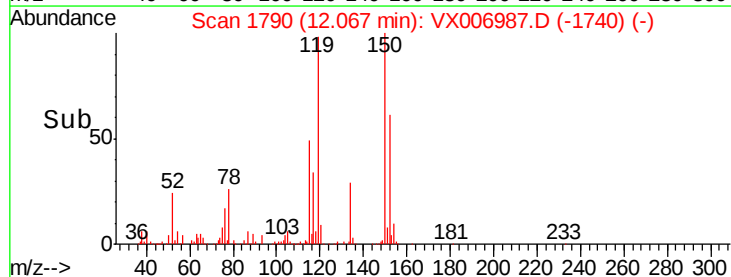
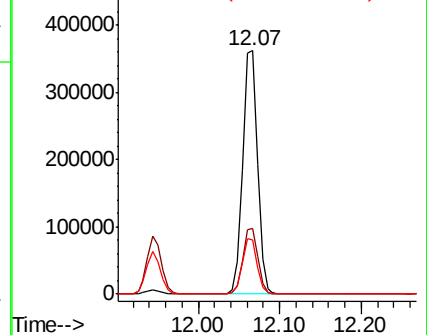
91 22.8 11.3 33.9

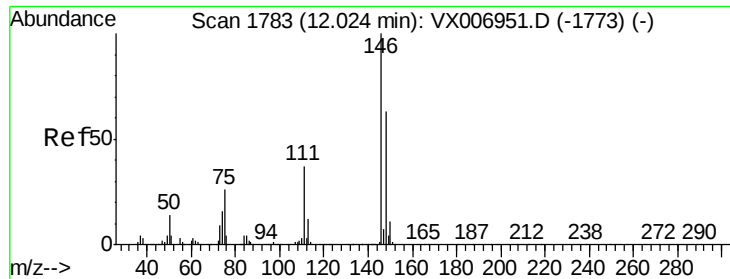


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

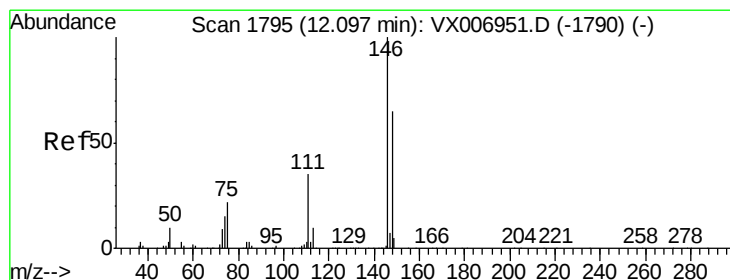
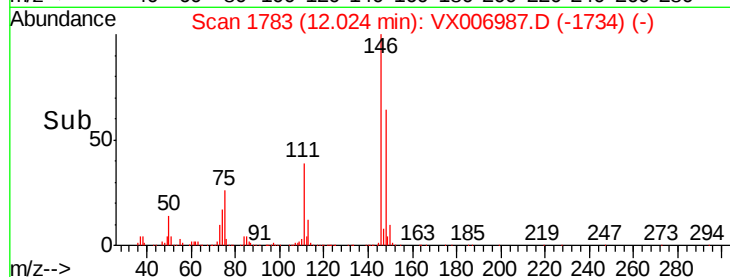
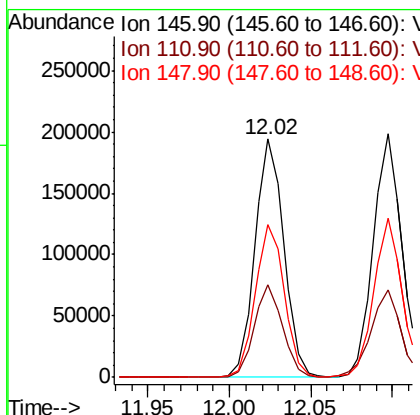
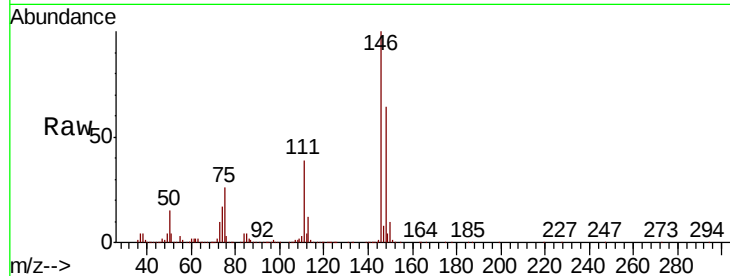




#87
 1,3-Dichlorobenzene
 Concen: 19.285 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

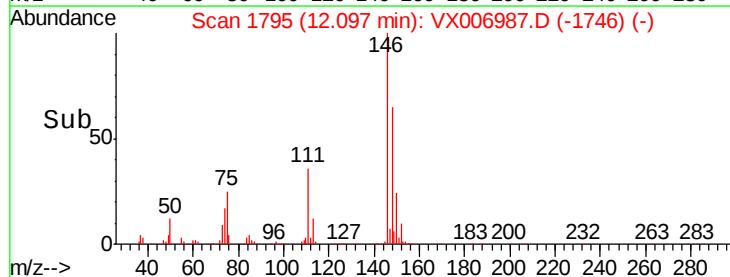
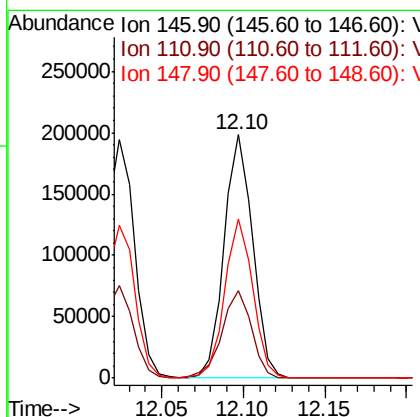
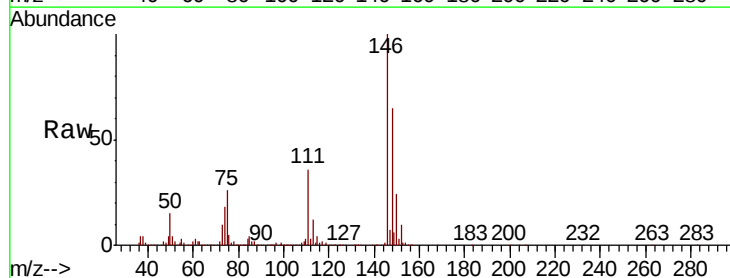
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

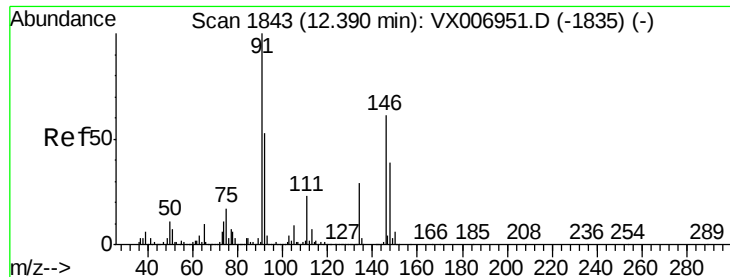
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.523 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.5	31.9	95.9

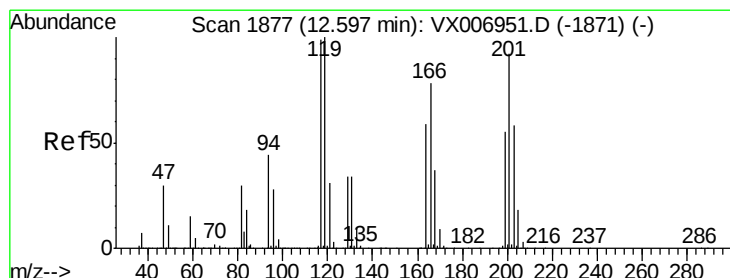
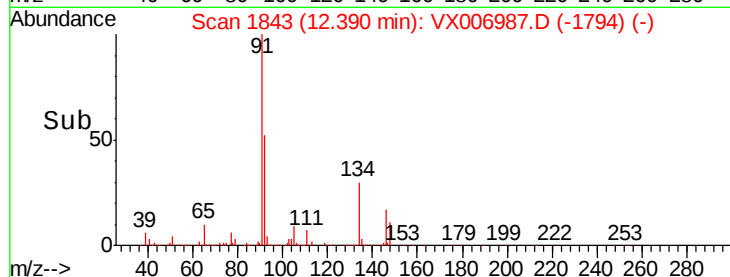
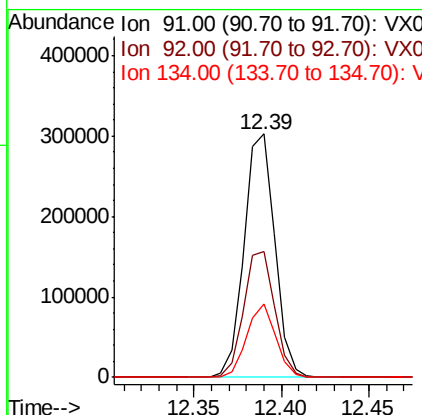
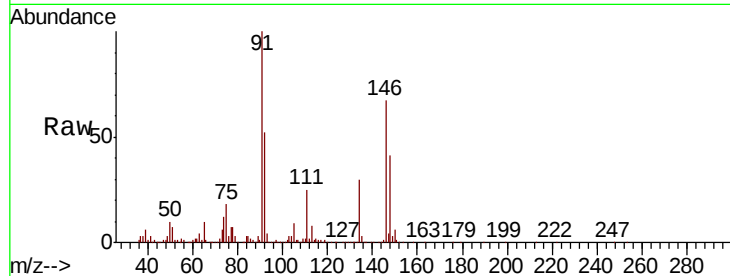




#89
n-Butylbenzene
Concen: 19.464 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

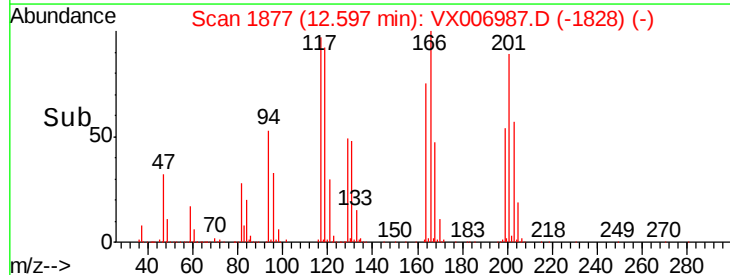
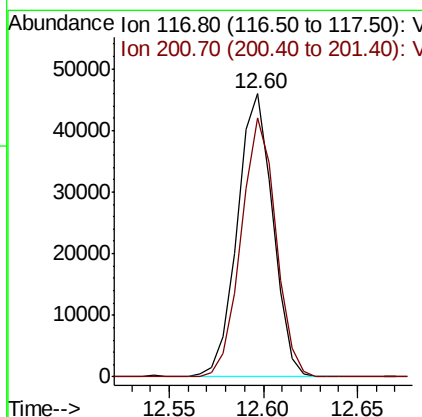
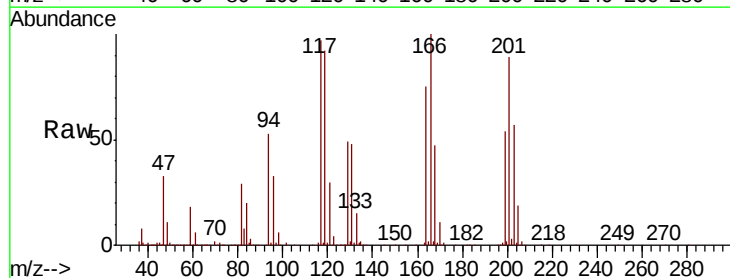
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tgt Ion: 91 Resp: 368911
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.4
134 28.6 14.4 43.2



#90
Hexachloroethane
Concen: 18.794 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 117 Resp: 59866
Ion Ratio Lower Upper
117 100
201 89.6 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.700 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

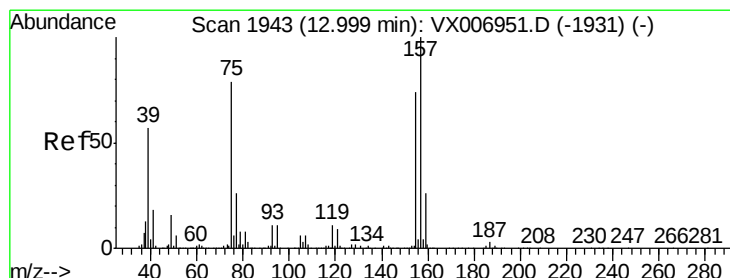
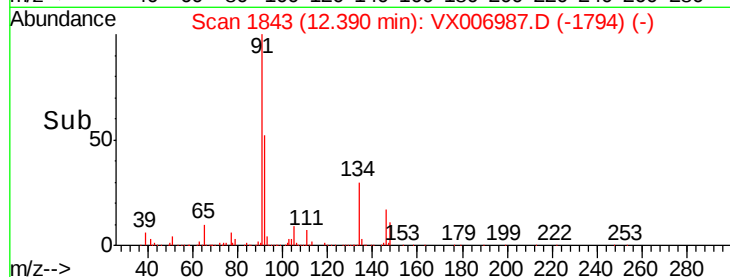
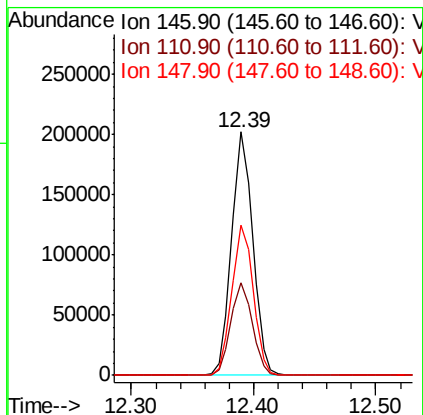
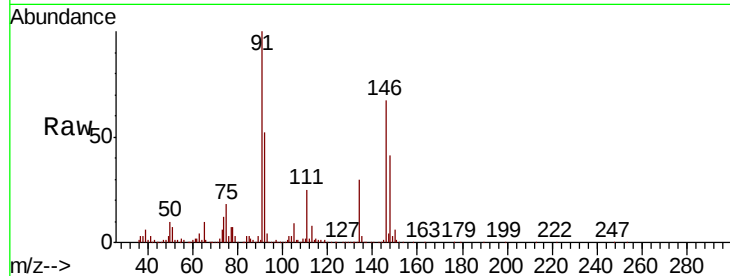
Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tgt Ion:	146	Resp:	241717
Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	62.7	32.3	96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.352 ug/l

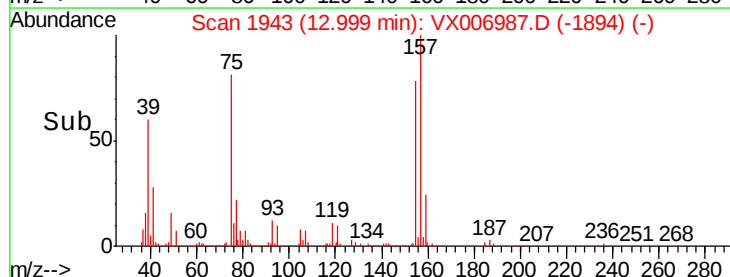
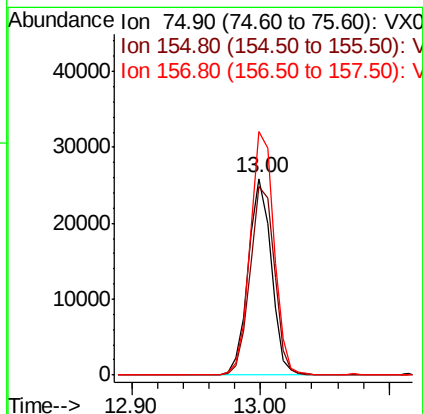
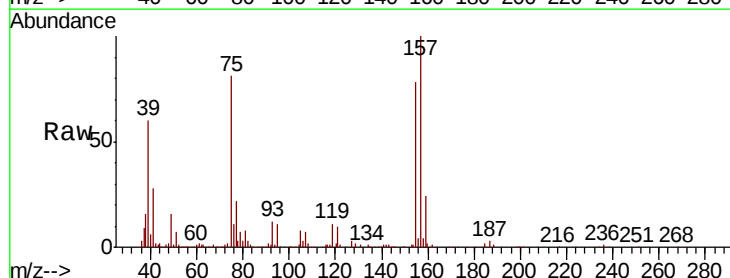
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	75	Resp:	31902
Ion	Ratio	Lower	Upper
75	100		
155	100.2	50.6	151.8
157	127.4	64.6	193.8

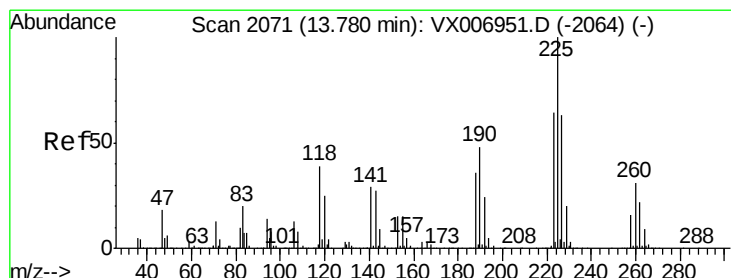
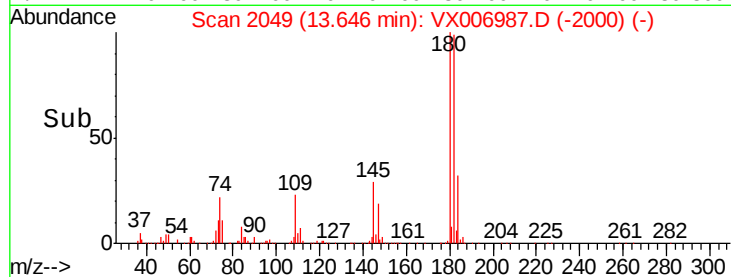
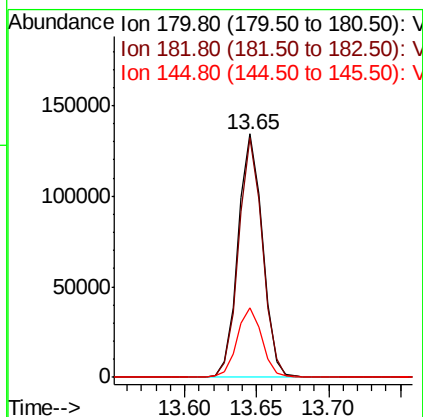
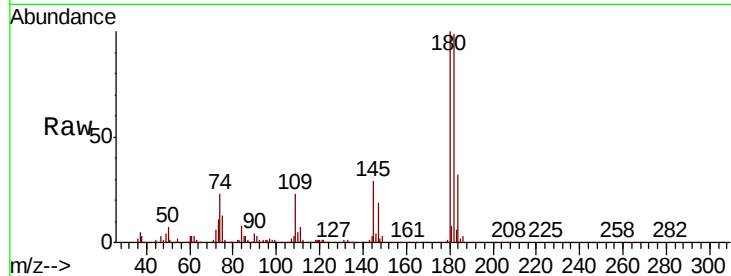




#93
 1,2,4-Trichlorobenzene
 Concen: 18.889 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

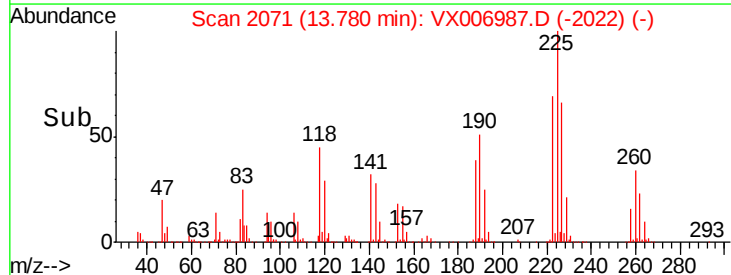
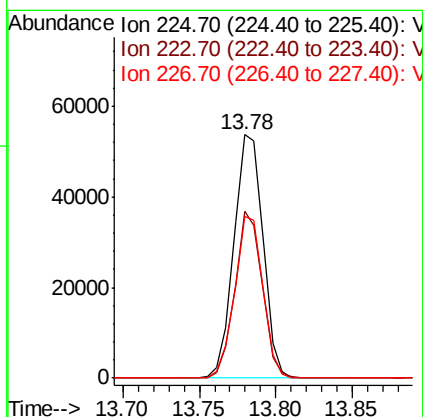
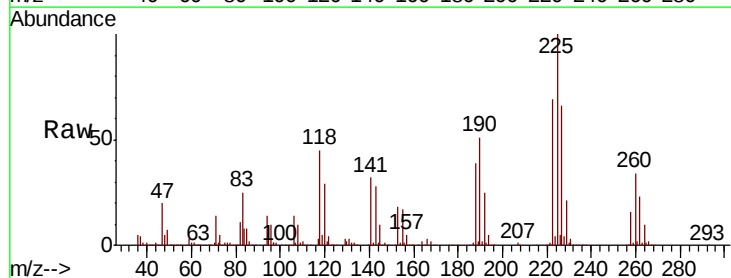
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

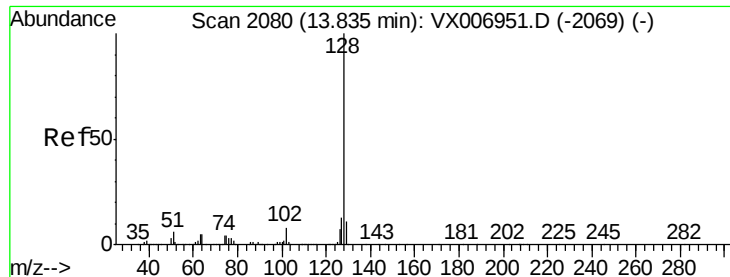
Tgt Ion:180 Resp: 159014
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 142.0
 145 28.9 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 18.876 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion:225 Resp: 70516
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.1 96.3
 227 64.5 32.3 96.8





#95

Naphthalene

Concen: 19.850 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

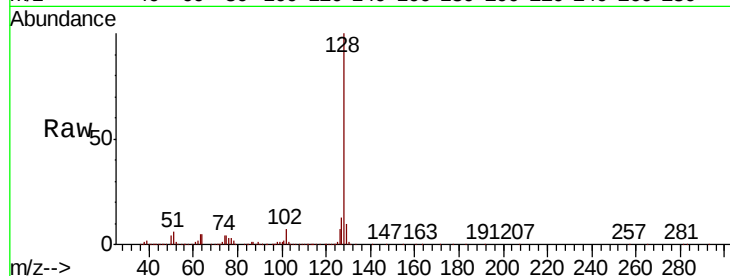
Tgt Ion:128 Resp: 506339

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

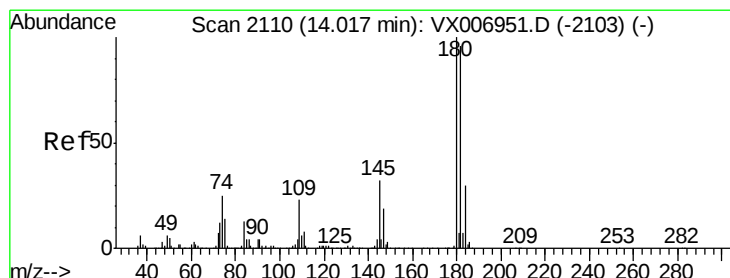
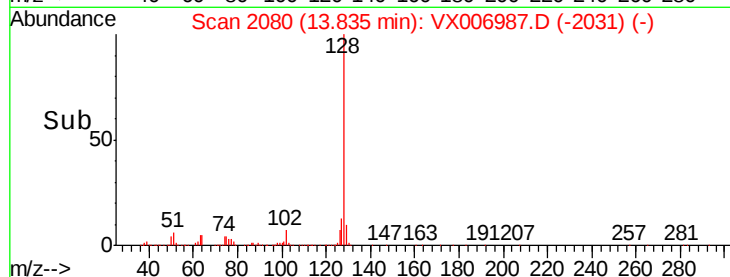
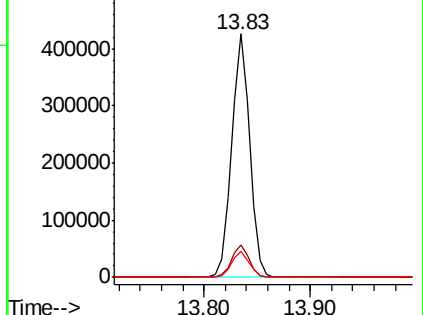
129 10.7 8.6 13.0



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: 19.138 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

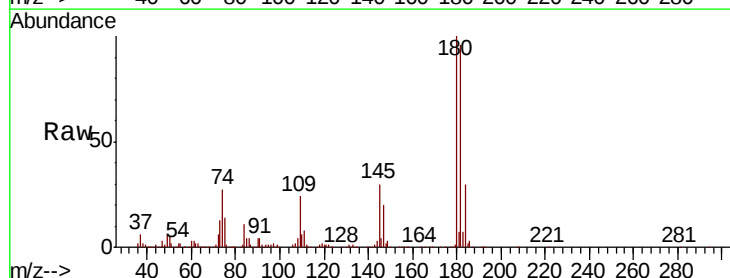
Tgt Ion:180 Resp: 160043

Ion Ratio Lower Upper

180 100

182 95.1 48.5 145.5

145 30.1 16.0 47.9



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

