

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003239.D
 Acq On : 09 Jul 2018 11:23
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Jul 09 14:58:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 14:57:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363973	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	6236	1.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.08%	
35) Dibromofluoromethane	5.51	113	4793	1.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.32%	
50) Toluene-d8	8.72	98	14911	1.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.84%	
62) 4-Bromofluorobenzene	11.14	95	5300	1.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	4906	1.68	ug/l	98
3) Chloromethane	1.33	50	4990	1.63	ug/l	92
4) Vinyl Chloride	1.41	62	4770	1.44	ug/l	91
5) Bromomethane	1.65	94	2782	1.36	ug/l	93
6) Chloroethane	1.73	64	2832	1.28	ug/l #	86
7) Trichlorofluoromethane	1.93	101	7682	1.37	ug/l	90
8) Diethyl Ether	2.19	74	2789	1.37	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4583	1.41	ug/l	94
10) Methyl Iodide	2.51	142	4467	1.48	ug/l #	95
11) Tert butyl alcohol	3.07	59	5868	7.27	ug/l	95
12) 1,1-Dichloroethene	2.38	96	4214	1.46	ug/l	90
13) Acrolein	2.30	56	4140	8.64	ug/l #	82
14) Allyl chloride	2.73	41	7419	1.30	ug/l	93
15) Acrylonitrile	3.15	53	11243	6.52	ug/l	99
16) Acetone	2.45	43	9826	5.86	ug/l #	87
17) Carbon Disulfide	2.57	76	11437	1.48	ug/l	100
18) Methyl Acetate	2.78	43	5386	1.15	ug/l #	87
19) Methyl tert-butyl Ether	3.21	73	13433	1.29	ug/l	100
20) Methylene Chloride	2.86	84	5026	1.54	ug/l #	90
21) trans-1,2-Dichloroethene	3.17	96	4308	1.37	ug/l	99
22) Diisopropyl ether	3.87	45	15147	1.39	ug/l	98
23) Vinyl Acetate	3.83	43	58174	6.31	ug/l	97
24) 1,1-Dichloroethane	3.70	63	8077	1.36	ug/l	97
25) 2-Butanone	4.71	43	16548	6.64	ug/l	99
26) 2,2-Dichloropropane	4.59	77	7031	1.46	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5153	1.46	ug/l	34
28) Bromochloromethane	5.03	49	4066	1.43	ug/l	92
29) Tetrahydrofuran	5.17	42	11112	6.96	ug/l	97
30) Chloroform	5.22	83	8411	1.38	ug/l	97
31) Cyclohexane	5.57	56	7050	1.39	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	7060	1.32	ug/l	98
36) 1,1-Dichloropropene	5.81	75	6242	1.56	ug/l	96
37) Ethyl Acetate	4.87	43	7095	1.65	ug/l #	93
38) Carbon Tetrachloride	5.79	117	6315	1.44	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 14:57:54 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	7.46	83	7297	1.57	ug/l #	83
40) Benzene	6.15	78	18035	1.56	ug/l	99
41) Methacrylonitrile	5.07	41	3436	1.39	ug/l #	81
42) 1,2-Dichloroethane	6.20	62	7132	1.52	ug/l	92
43) Isopropyl Acetate	6.47	43	10191	1.41	ug/l	98
44) Trichloroethene	7.21	130	5283	1.53	ug/l	98
45) 1,2-Dichloropropane	7.52	63	4864	1.58	ug/l	96
46) Dibromomethane	7.67	93	3200	1.50	ug/l	95
47) Bromodichloromethane	7.90	83	5403	1.37	ug/l	99
48) Methyl methacrylate	7.78	41	5044	1.36	ug/l	100
49) 1,4-Dioxane	7.76	88	2178	30.14	ug/l	90
51) 4-Methyl-2-Pentanone	8.65	43	27993	6.21	ug/l	100
52) Toluene	8.79	92	10662	1.44	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	6066	1.36	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	5368	1.25	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	4755	1.56	ug/l	95
56) Ethyl methacrylate	9.19	69	5366	1.20	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	7431	1.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	10537	4.90	ug/l	97
59) 2-Hexanone	9.50	43	20713	6.04	ug/l	99
60) Dibromochloromethane	9.59	129	4241	1.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	4612	1.44	ug/l	99
64) Tetrachloroethene	9.34	164	5957	1.64	ug/l	95
65) Chlorobenzene	10.14	112	13548	1.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	4184	1.39	ug/l	86
67) Ethyl Benzene	10.26	91	19721	1.44	ug/l	98
68) m/p-Xylenes	10.36	106	14592	2.76	ug/l	97
69) o-Xylene	10.70	106	7174	1.39	ug/l	97
70) Styrene	10.71	104	11241	1.34	ug/l	100
71) Bromoform	10.86	173	3317	1.40	ug/l #	96
73) Isopropylbenzene	11.02	105	18952	1.27	ug/l	97
74) N-amyl acetate	6.47	43	10191	1.40	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	6168	1.34	ug/l	90
76) 1,2,3-Trichloropropane	11.30	75	6903	1.72	ug/l	83
77) Bromobenzene	11.26	156	5694	1.34	ug/l	95
78) n-propylbenzene	11.36	91	20015	1.18	ug/l	96
79) 2-Chlorotoluene	11.42	91	13007	1.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	14893	1.19	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	1386	1.17	ug/l	84
82) 4-Chlorotoluene	11.51	91	14788	1.22	ug/l	94
83) tert-Butylbenzene	11.77	119	15292	1.24	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	15038	1.16	ug/l	94
85) sec-Butylbenzene	11.95	105	17827	1.19	ug/l	97
86) p-Isopropyltoluene	12.07	119	16027	1.19	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	11121	1.44	ug/l	95
88) 1,4-Dichlorobenzene	12.03	146	11121	1.39	ug/l	95
89) n-Butylbenzene	12.39	91	13949	1.19	ug/l	98
90) Hexachloroethane	12.60	117	2412	1.20	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	10947	1.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1278	1.24	ug/l	99

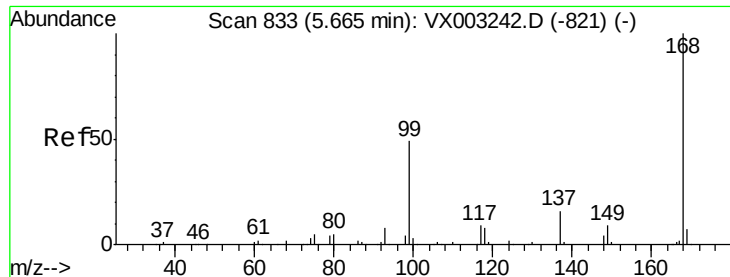
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070918\
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ClientSampleId :
VSTDICC001

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Quant Title : SW846 8260
QLast Update : Mon Jul 09 14:57:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7641	1.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	3956	1.39	ug/l	98
95) Naphthalene	13.83	128	16993	1.12	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	7204	1.27	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

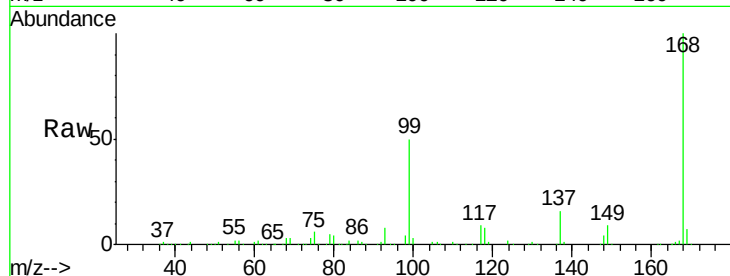
VSTDIC001

Tot Ion:168 Resp: 293180

Ion Ratio Lower Upper

168 100

99 49.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

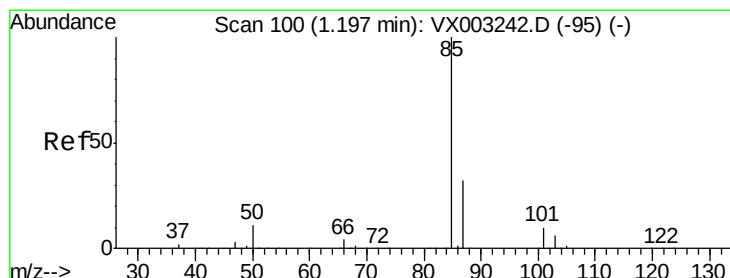
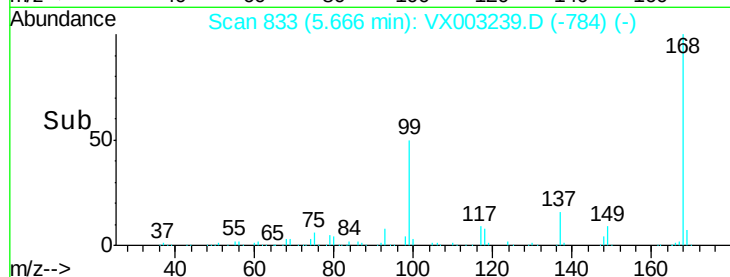
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.68 ug/l

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003239.D

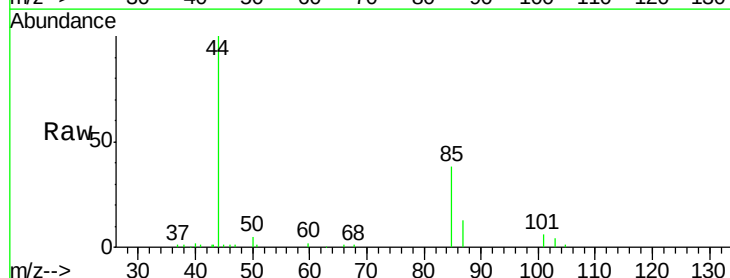
Acq: 09 Jul 2018 11:23

Tgt Ion: 85 Resp: 4906

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

5000

4000

3000

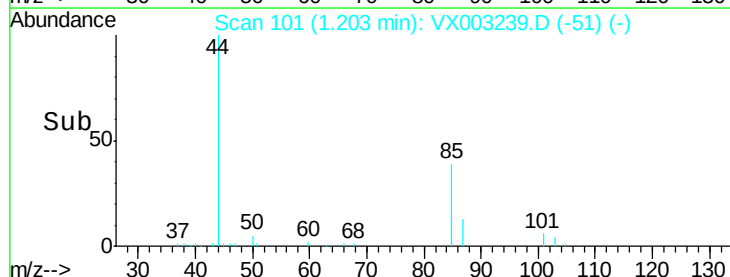
2000

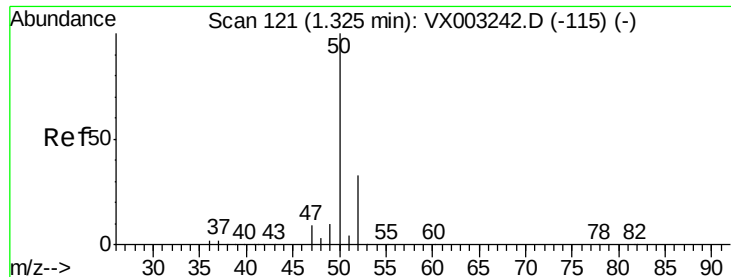
1000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 1.63 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

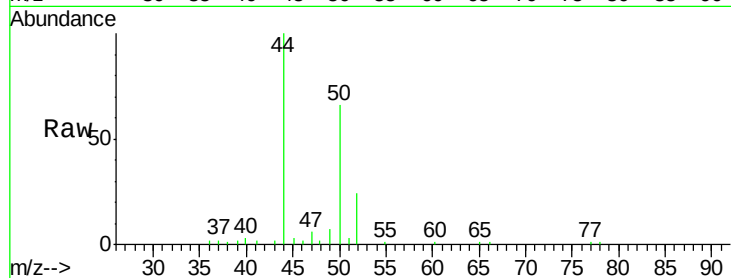
VSTDIC001

Tot Ion: 50 Resp: 4990

Ion Ratio Lower Upper

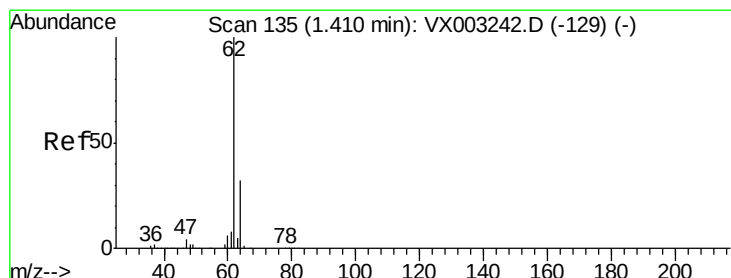
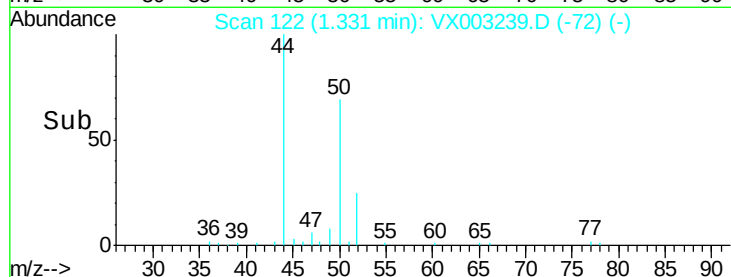
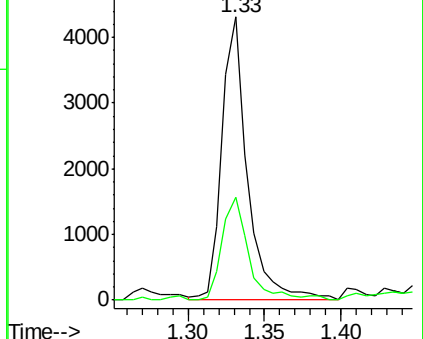
50 100

52 36.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.44 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX003239.D

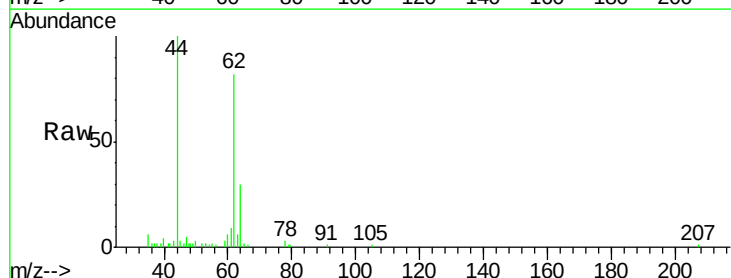
Acq: 09 Jul 2018 11:23

Tgt Ion: 62 Resp: 4770

Ion Ratio Lower Upper

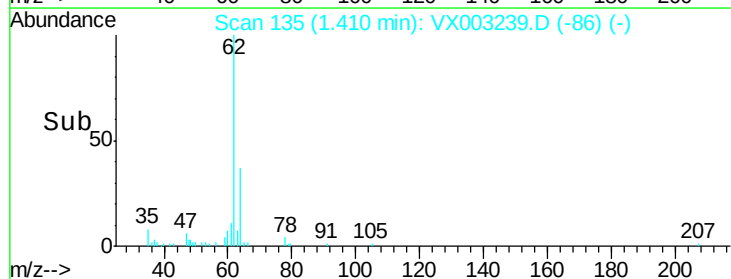
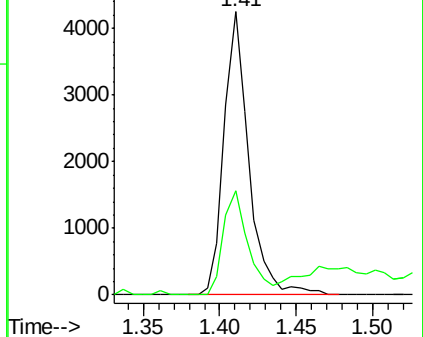
62 100

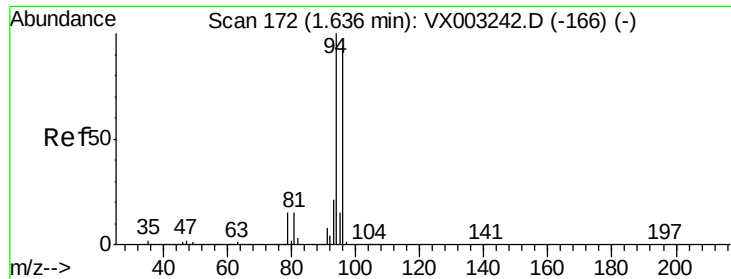
64 36.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.36 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

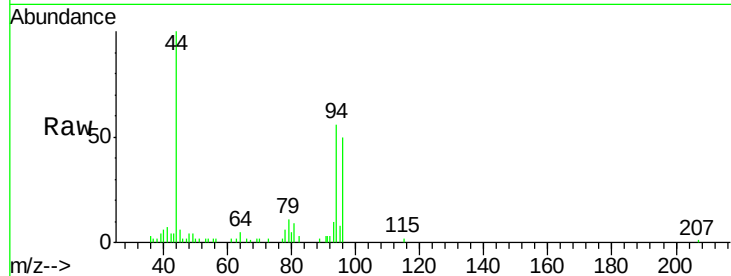
VSTDIC001

Tot Ion: 94 Resp: 2782

Ion Ratio Lower Upper

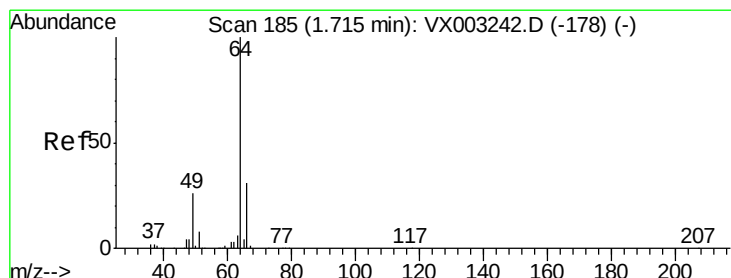
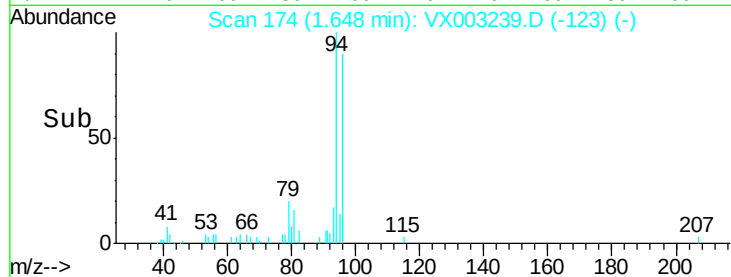
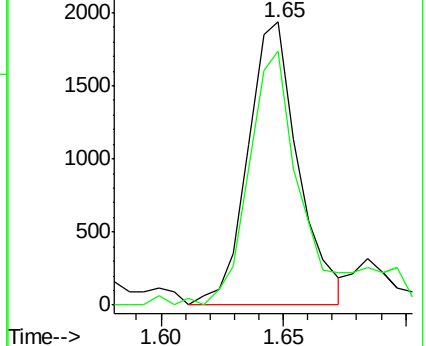
94 100

96 87.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.28 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003239.D

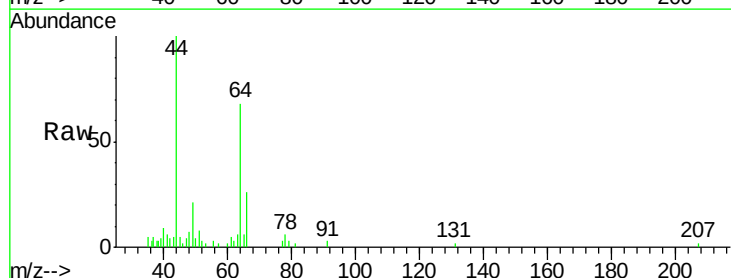
Acq: 09 Jul 2018 11:23

Tgt Ion: 64 Resp: 2832

Ion Ratio Lower Upper

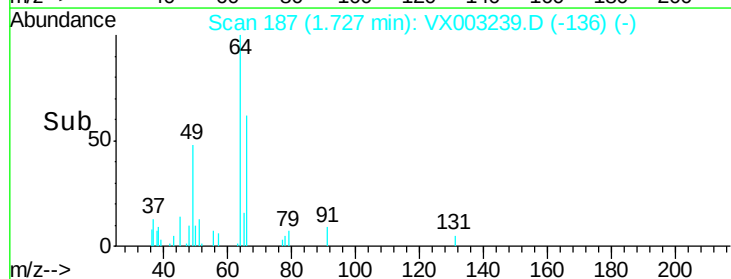
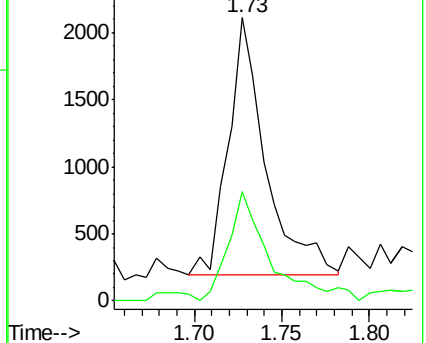
64 100

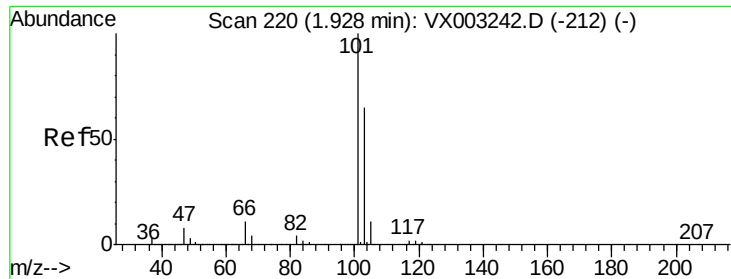
66 39.5 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 1.37 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

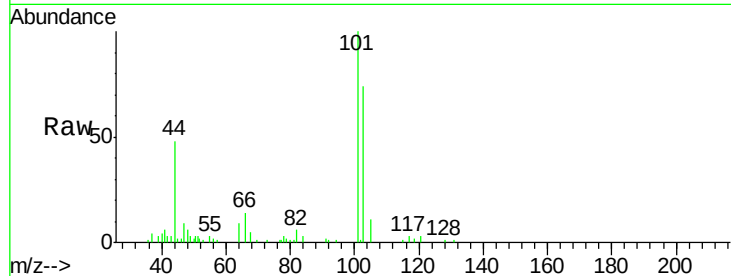
VSTDIC001

Tot Ion:101 Resp: 7682

Ion Ratio Lower Upper

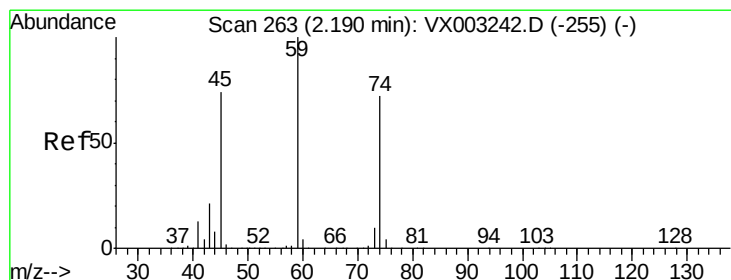
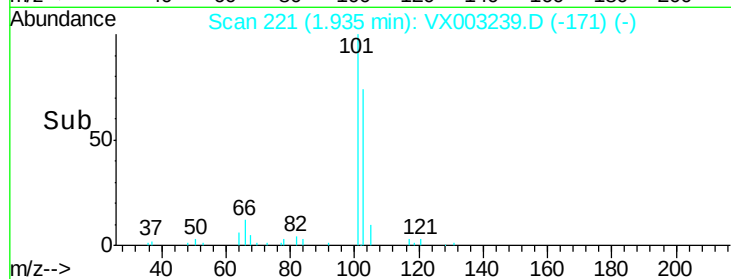
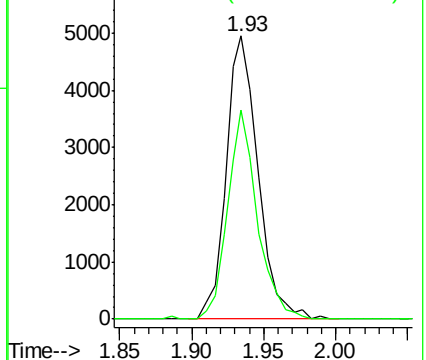
101 100

103 74.1 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.37 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003239.D

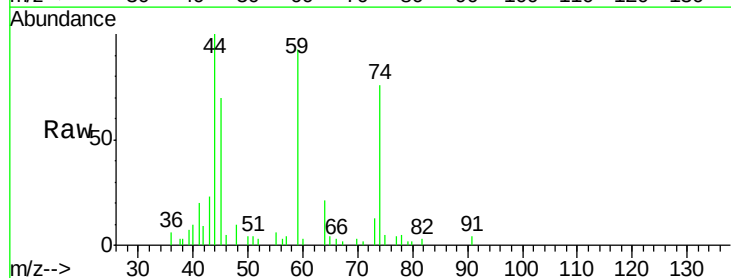
Acq: 09 Jul 2018 11:23

Tgt Ion: 74 Resp: 2789

Ion Ratio Lower Upper

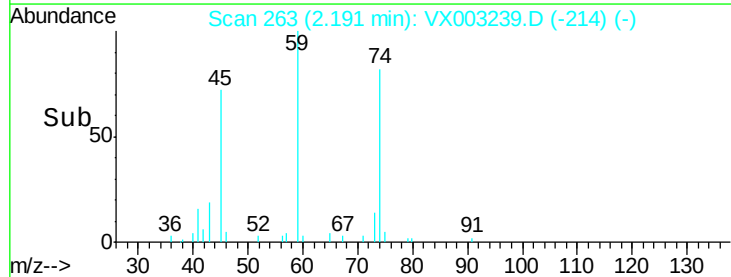
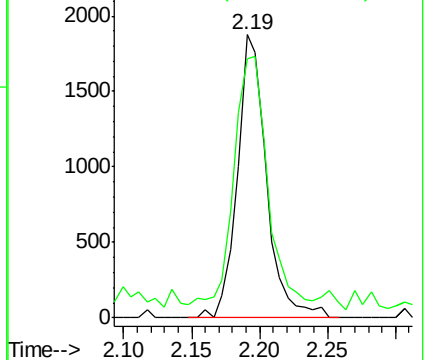
74 100

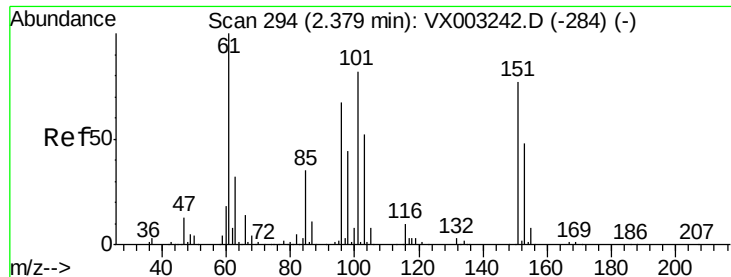
45 100.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.41 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

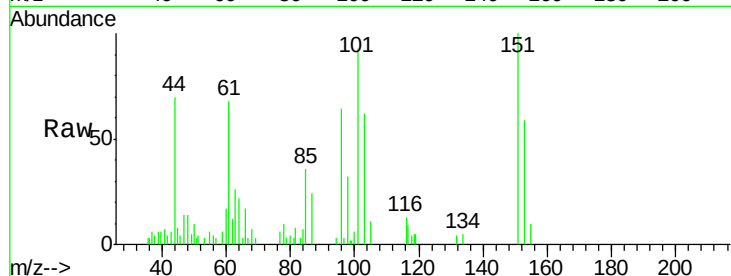
Tot Ion:101 Resp: 4583

Ion Ratio Lower Upper

101 100

85 42.0 36.0 54.0

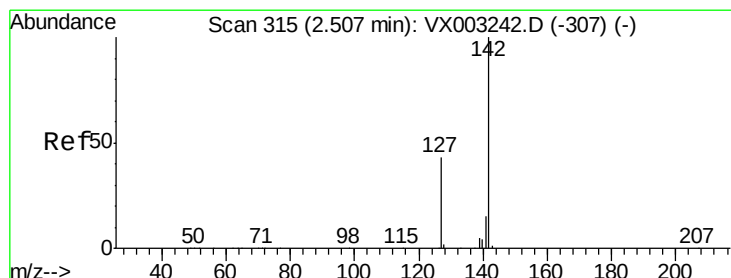
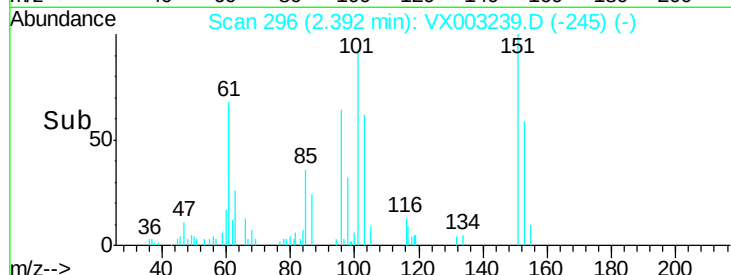
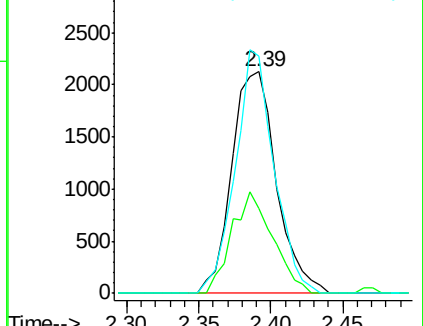
151 95.2 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.48 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

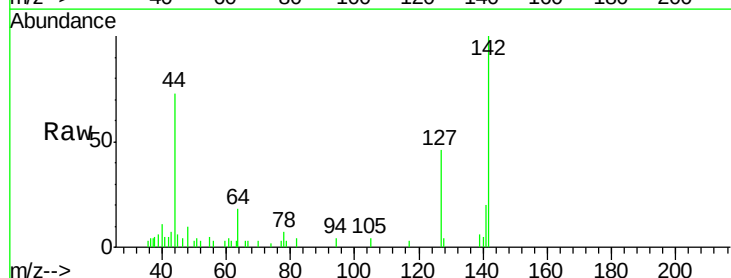
Tgt Ion:142 Resp: 4467

Ion Ratio Lower Upper

142 100

127 46.7 36.6 55.0

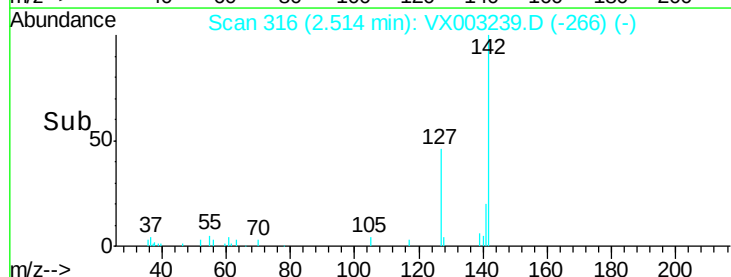
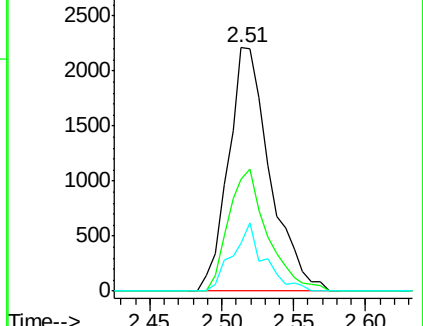
141 21.5 11.3 16.9#

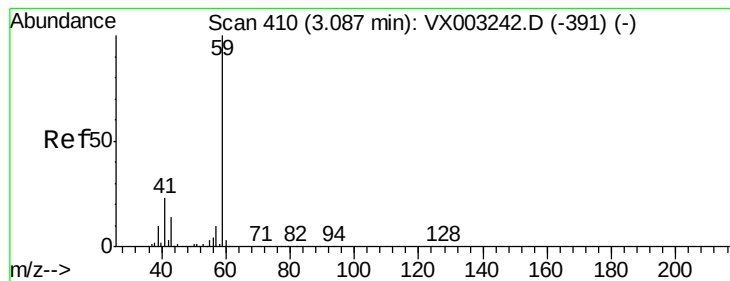


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 7.27 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

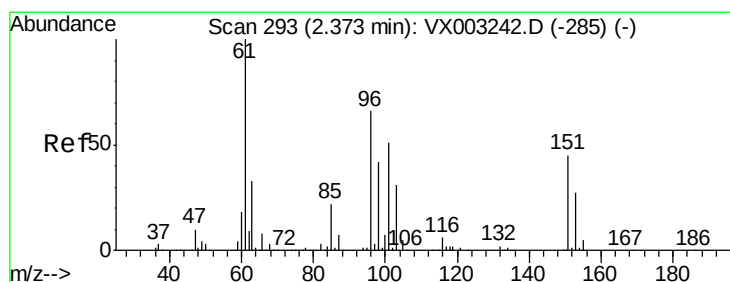
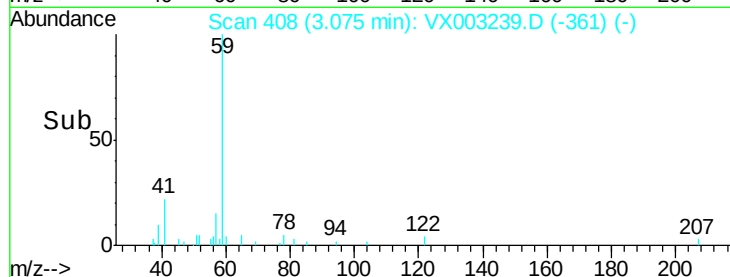
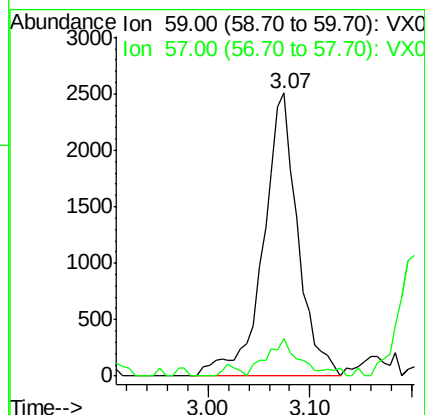
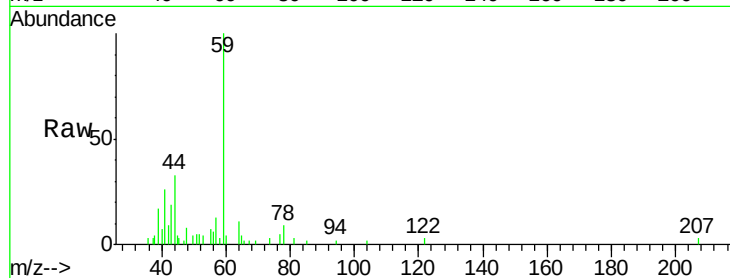
VSTDIC001

Tot Ion: 59 Resp: 5868

Ion Ratio Lower Upper

59 100

57 11.9 8.2 12.2



#12

1,1-Dichloroethene

Concen: 1.46 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

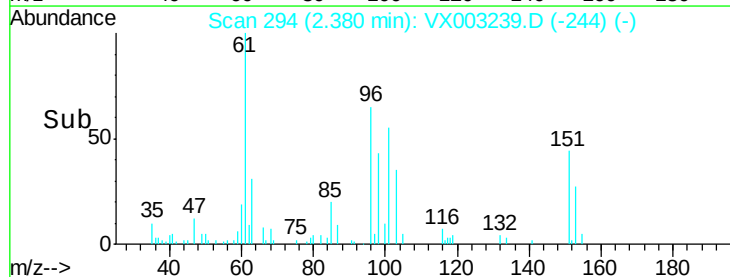
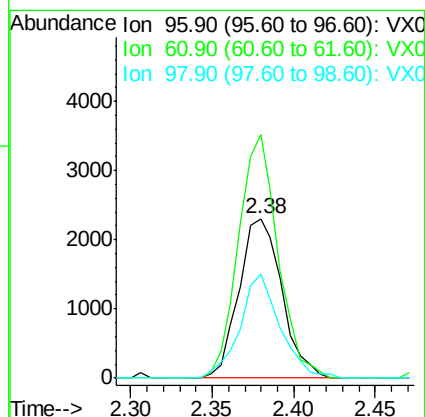
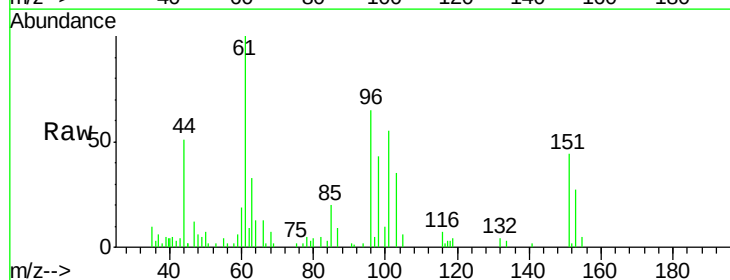
Tgt Ion: 96 Resp: 4214

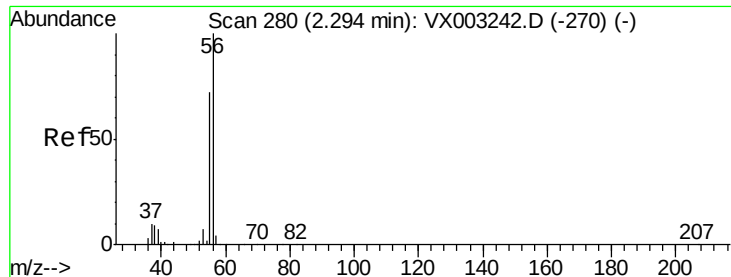
Ion Ratio Lower Upper

96 100

61 153.0 137.9 206.9

98 65.1 51.6 77.4





#13

Acrolein

Concen: 8.64 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

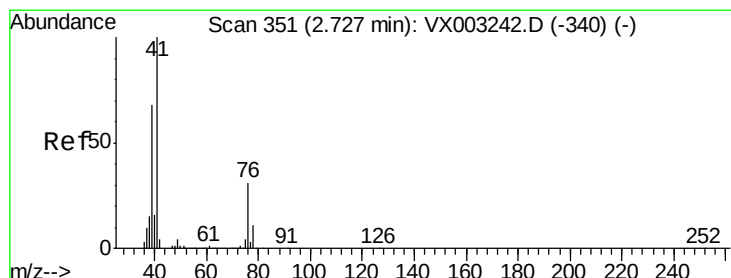
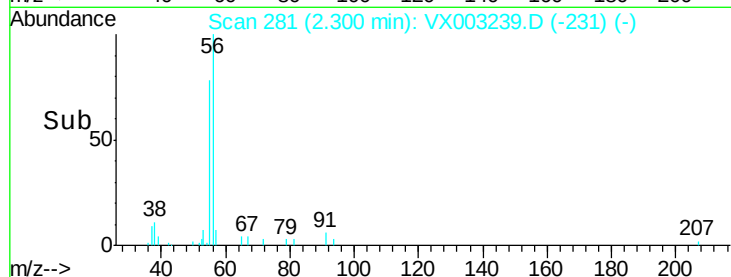
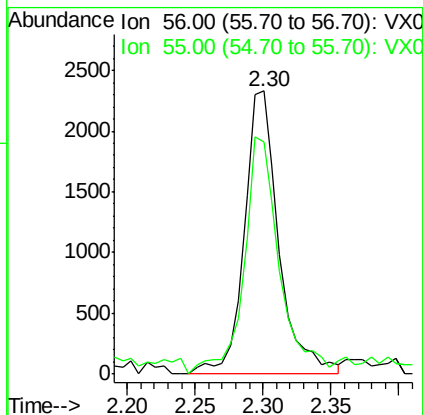
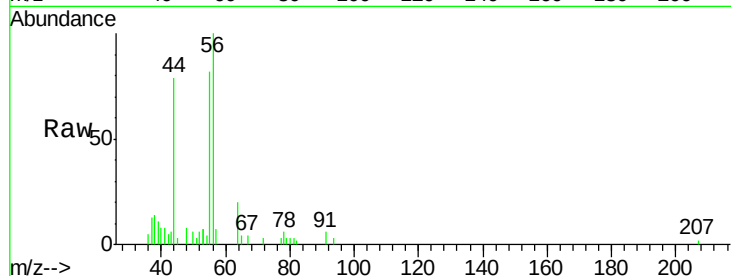
VSTDIC001

Tot Ion: 56 Resp: 4140

Ion Ratio Lower Upper

56 100

55 85.7 57.0 85.4#



#14

Allyl chloride

Concen: 1.30 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

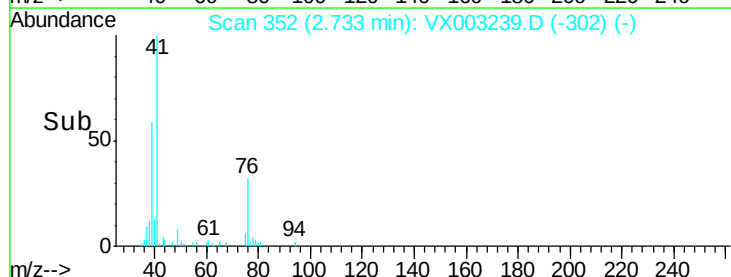
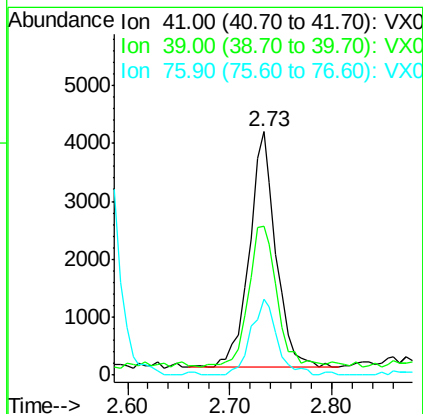
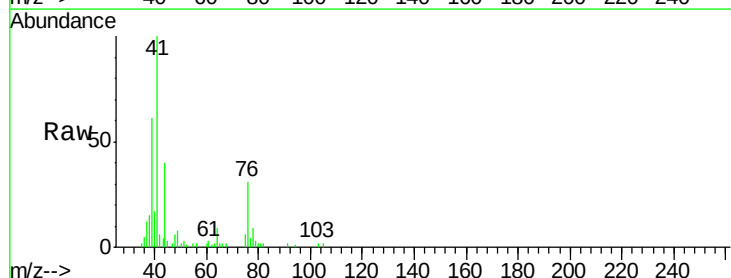
Tgt Ion: 41 Resp: 7419

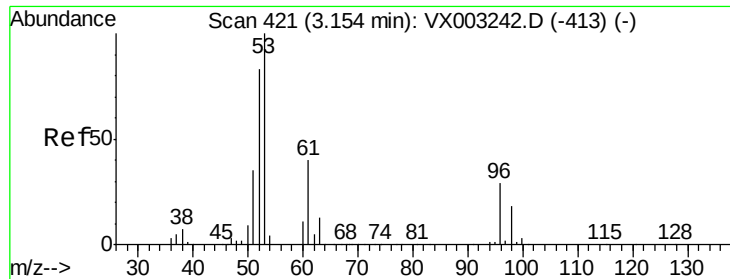
Ion Ratio Lower Upper

41 100

39 63.7 56.8 85.2

76 31.7 23.8 35.8

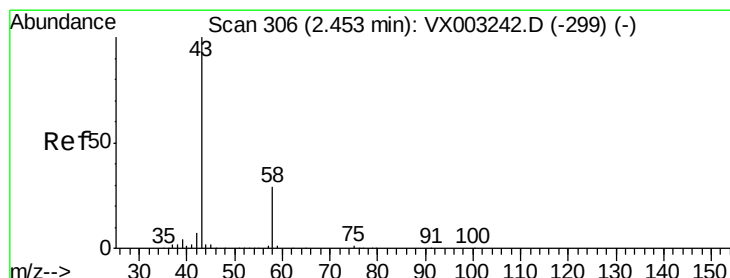
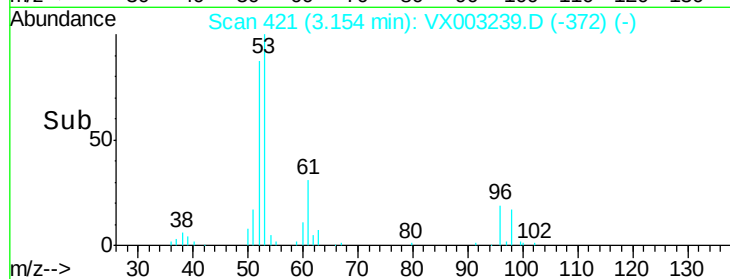
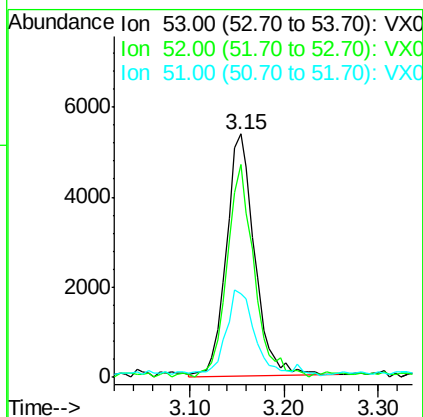
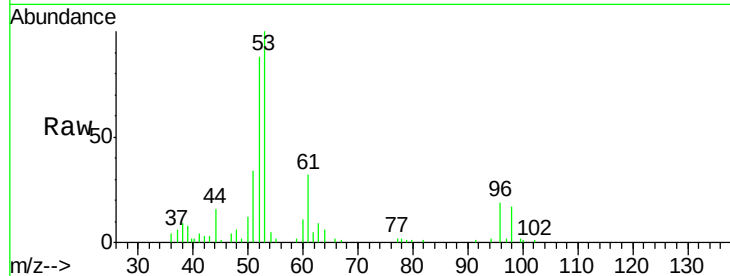




#15
 Acrylonitrile
 Concen: 6.52 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

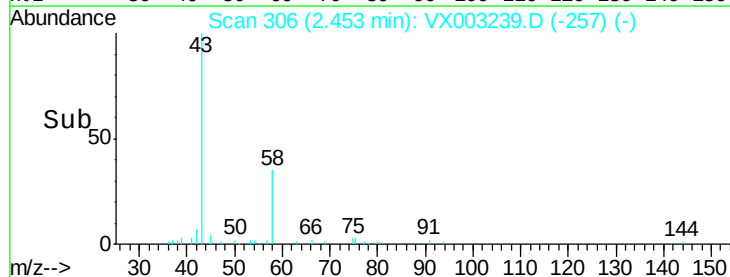
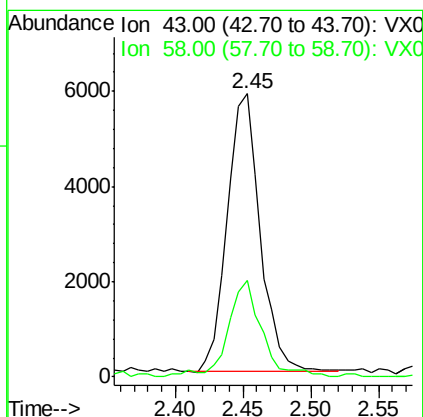
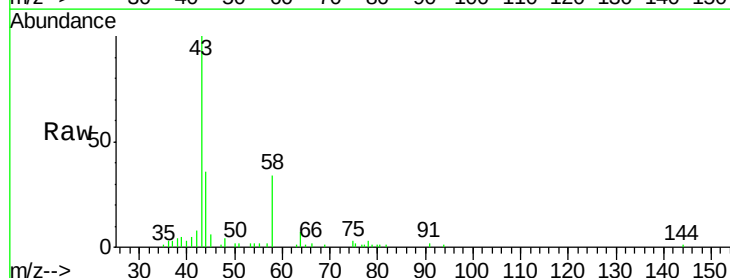
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

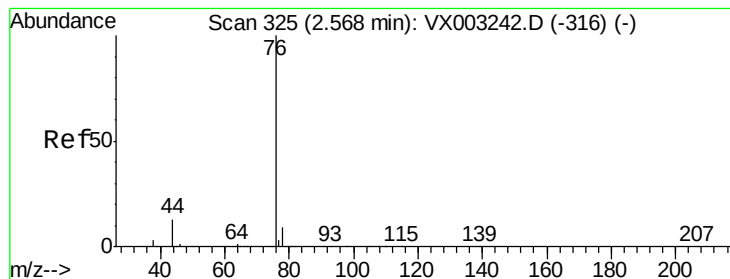
Tot Ion: 53 Resp: 11243
 Ion Ratio Lower Upper
 53 100
 52 84.3 66.7 100.1
 51 35.9 29.9 44.9



#16
 Acetone
 Concen: 5.86 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion: 43 Resp: 9826
 Ion Ratio Lower Upper
 43 100
 58 34.6 22.1 33.1#





#17

Carbon Disulfide

Concen: 1.48 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

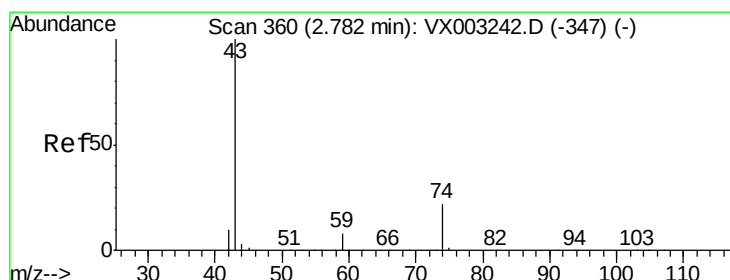
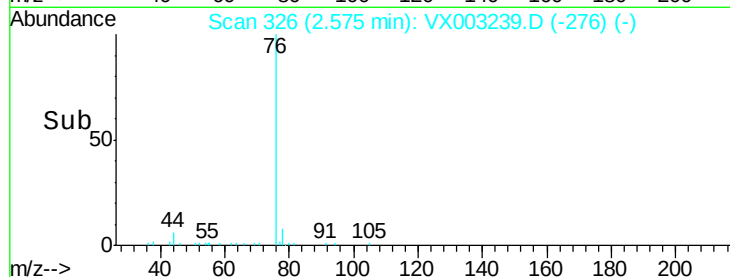
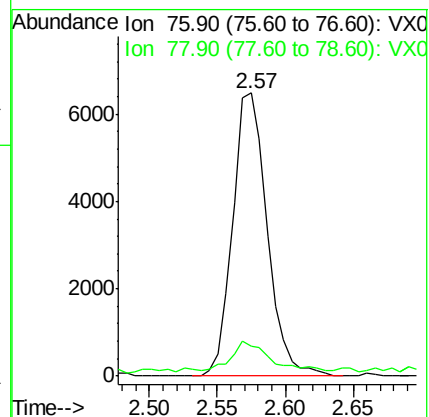
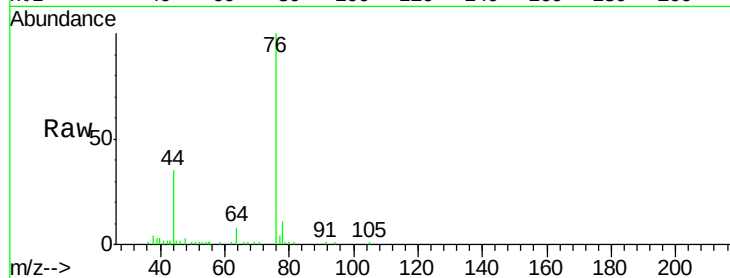
VSTDIC001

Tot Ion: 76 Resp: 11437

Ion Ratio Lower Upper

76 100

78 8.4 6.9 10.3



#18

Methyl Acetate

Concen: 1.15 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003239.D

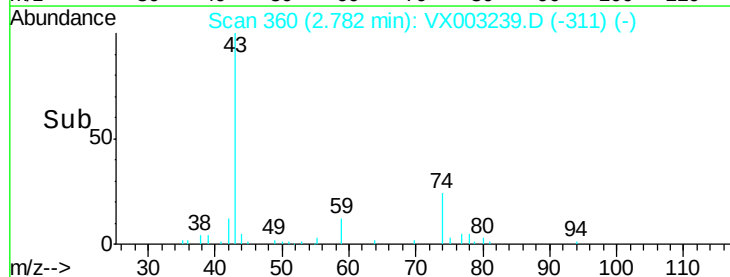
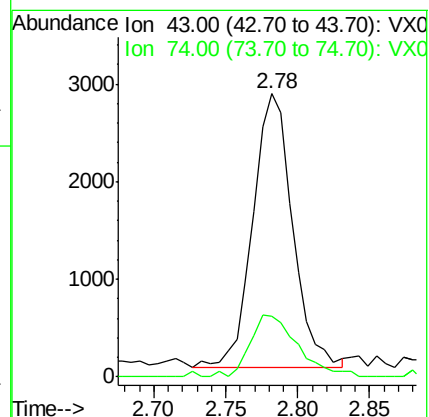
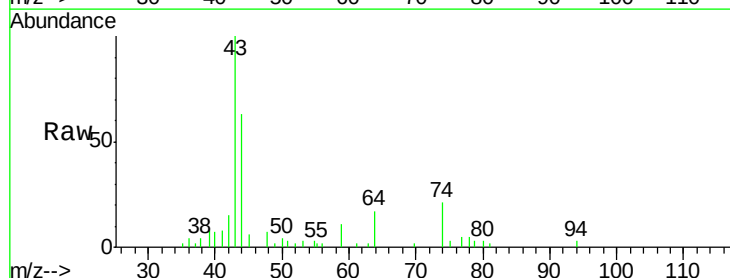
Acq: 09 Jul 2018 11:23

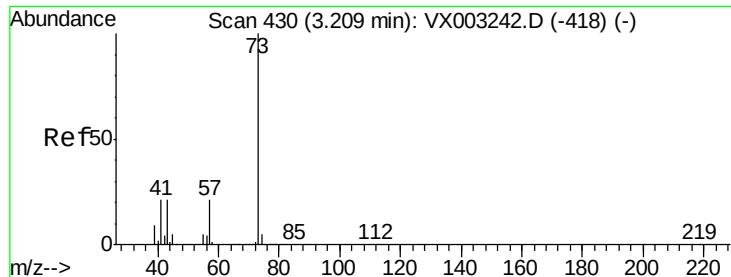
Tgt Ion: 43 Resp: 5386

Ion Ratio Lower Upper

43 100

74 27.0 16.7 25.1#





#19

Methyl tert-butyl Ether

Concen: 1.29 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

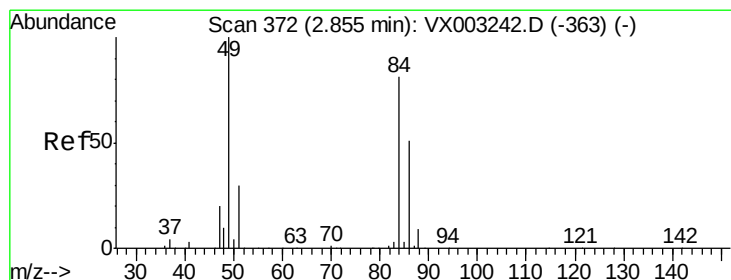
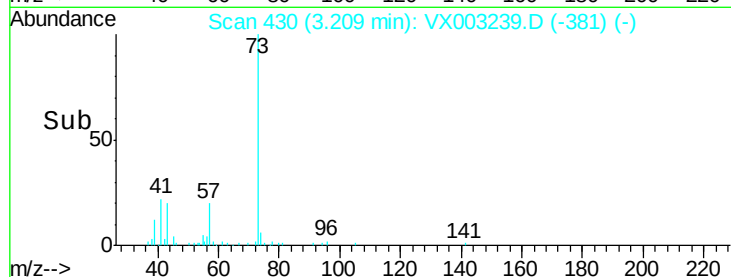
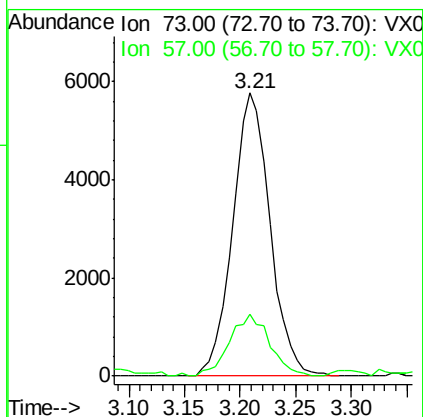
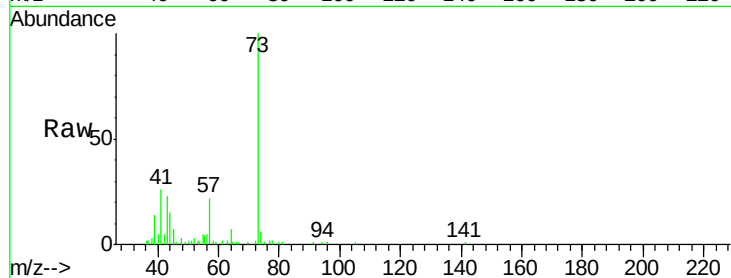
VSTDIC001

Tot Ion: 73 Resp: 13433

Ion Ratio Lower Upper

73 100

57 22.1 17.7 26.5



#20

Methylene Chloride

Concen: 1.54 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Tgt Ion: 84 Resp: 5026

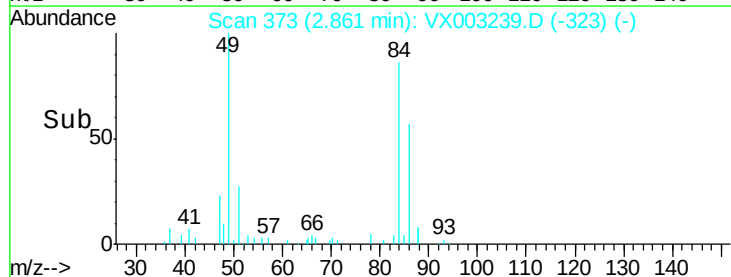
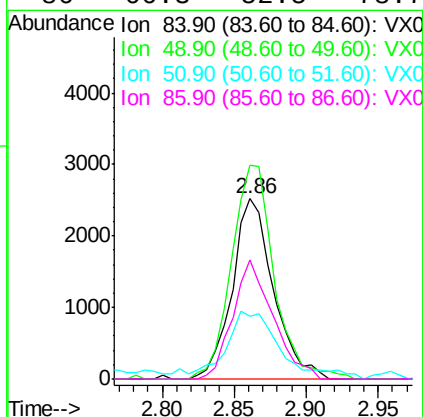
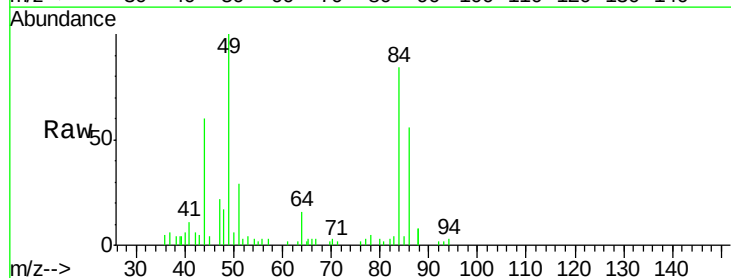
Ion Ratio Lower Upper

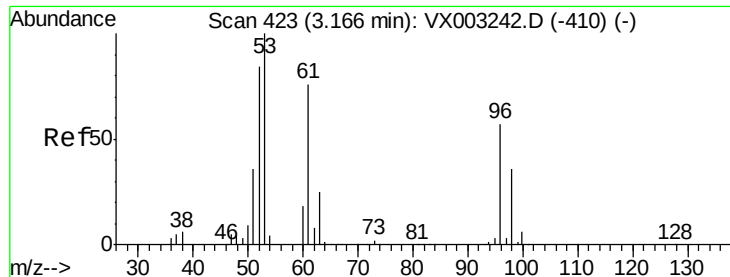
84 100

49 118.7 107.8 161.6

51 32.0 32.8 49.2#

86 66.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 1.37 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

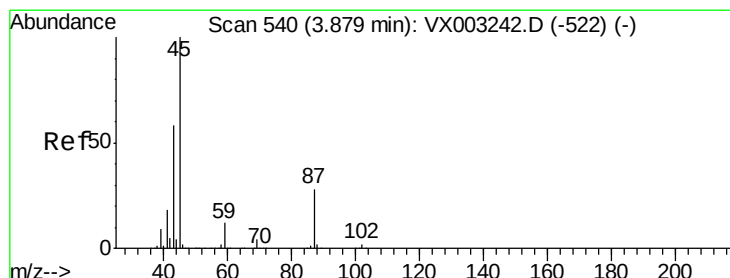
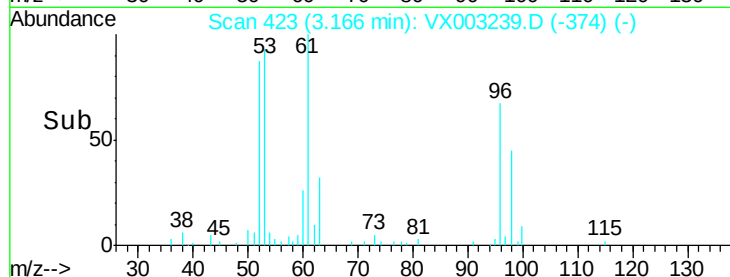
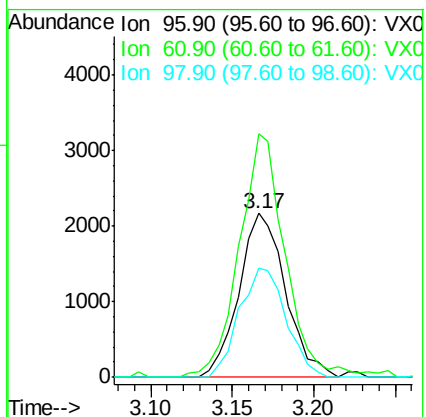
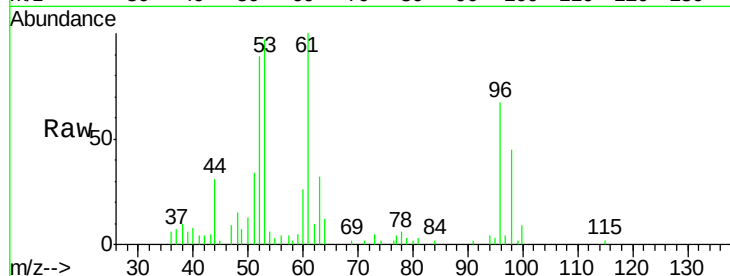
Tot Ion: 96 Resp: 4308

Ion Ratio Lower Upper

96 100

61 146.0 117.0 175.4

98 66.8 52.4 78.6



#22

Diisopropyl ether

Concen: 1.39 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Tgt Ion: 45 Resp: 15147

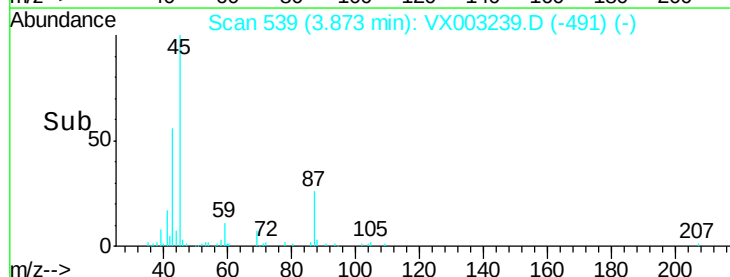
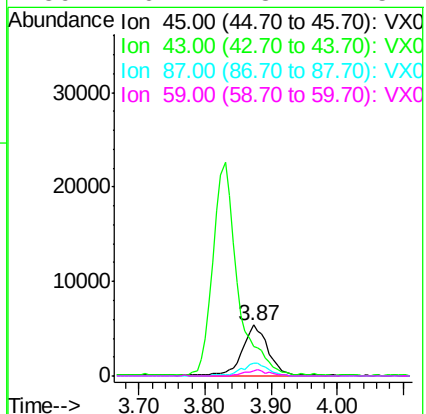
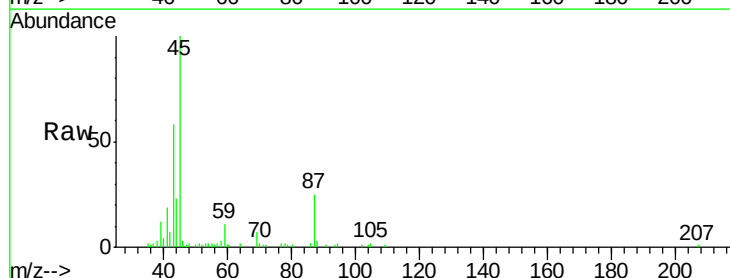
Ion Ratio Lower Upper

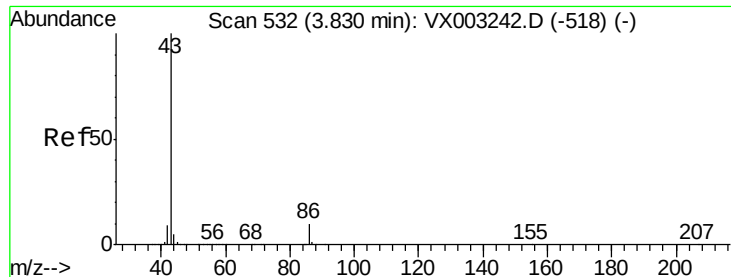
45 100

43 55.9 46.8 70.2

87 25.5 20.2 30.4

59 10.7 8.7 13.1





#23

Vinyl Acetate

Concen: 6.31 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

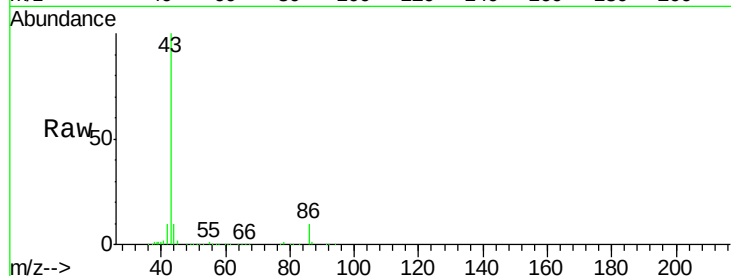
VSTDIC001

Tot Ion: 43 Resp: 58174

Ion Ratio Lower Upper

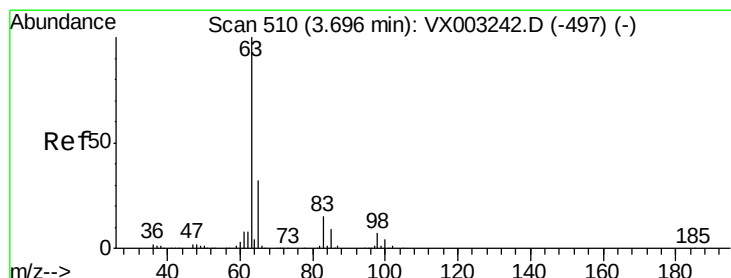
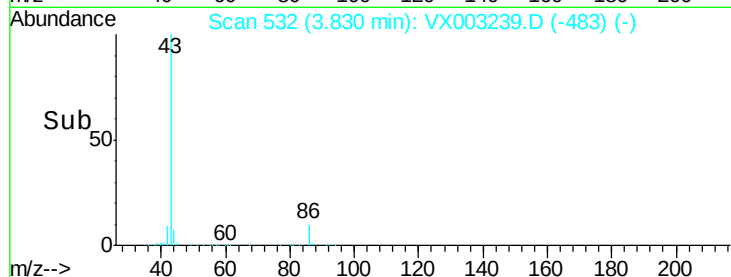
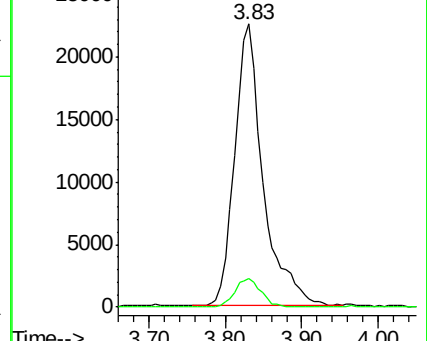
43 100

86 10.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 1.36 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

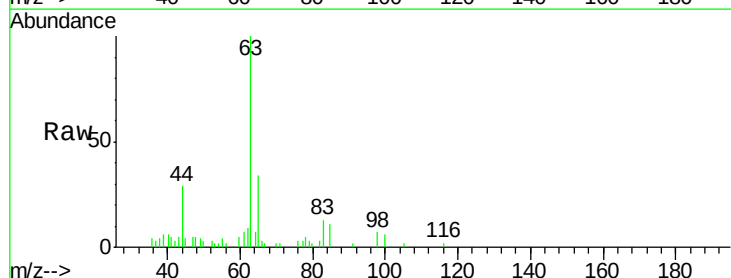
Tgt Ion: 63 Resp: 8077

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

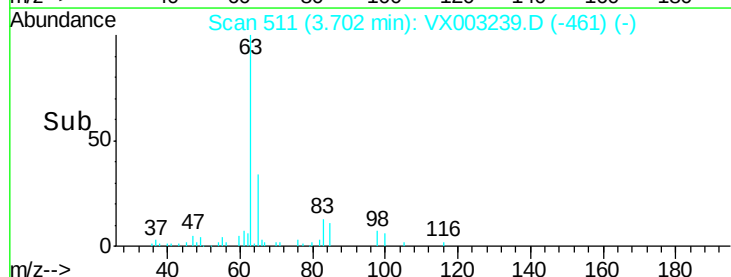
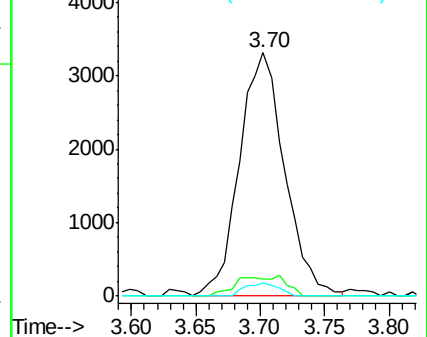
100 5.6 2.0 6.0

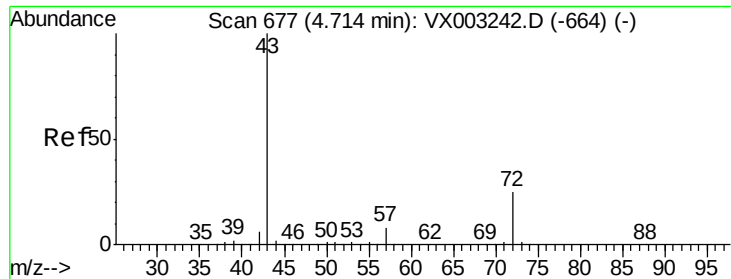


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 6.64 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

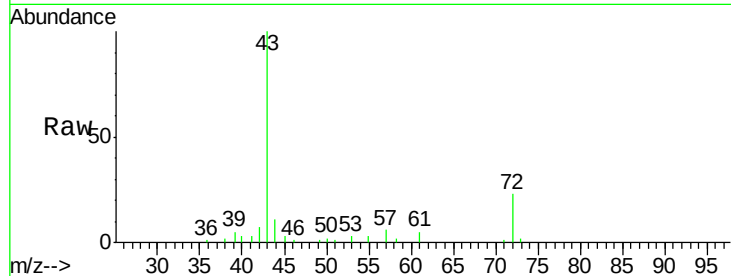
VSTDIC001

Tot Ion: 43 Resp: 16548

Ion Ratio Lower Upper

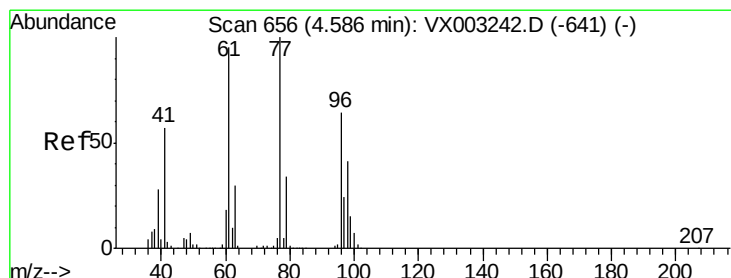
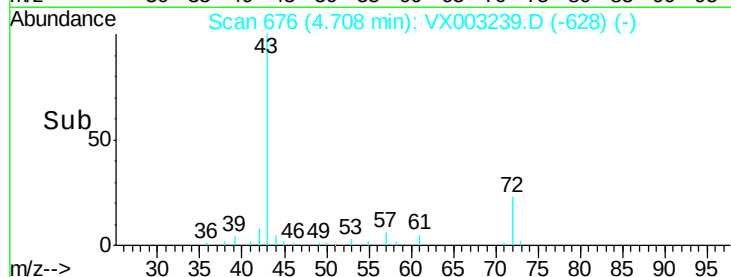
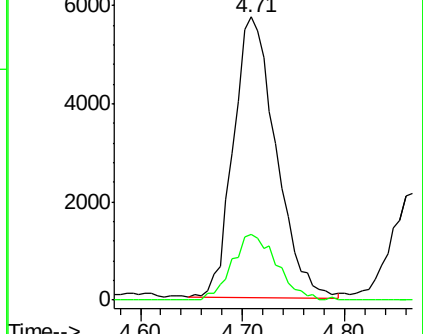
43 100

72 23.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.46 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003239.D

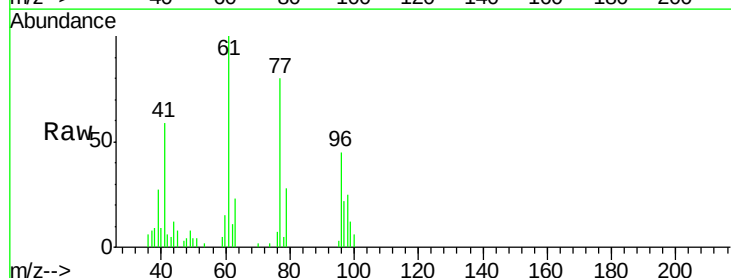
Acq: 09 Jul 2018 11:23

Tgt Ion: 77 Resp: 7031

Ion Ratio Lower Upper

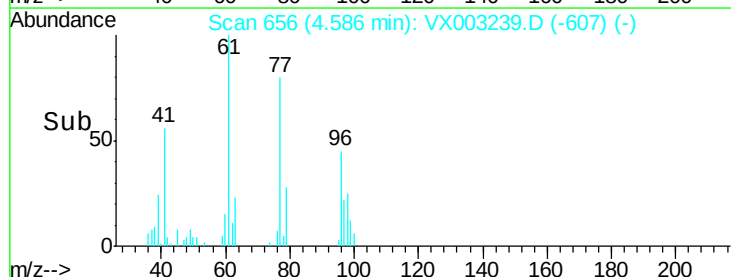
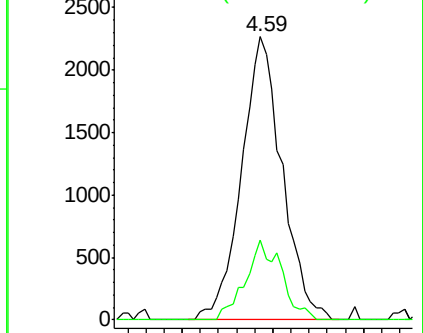
77 100

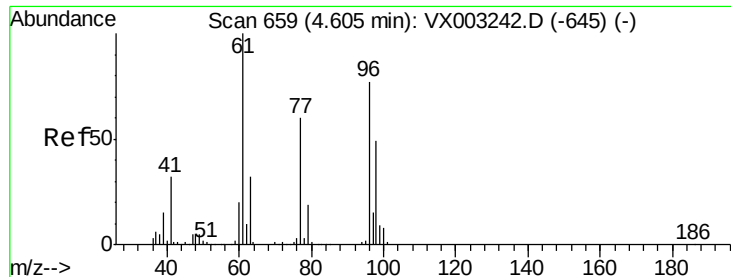
97 24.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 1.46 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

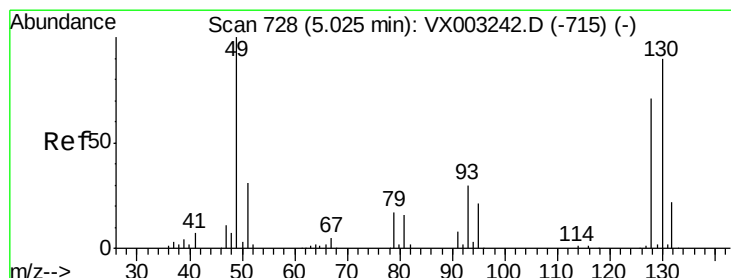
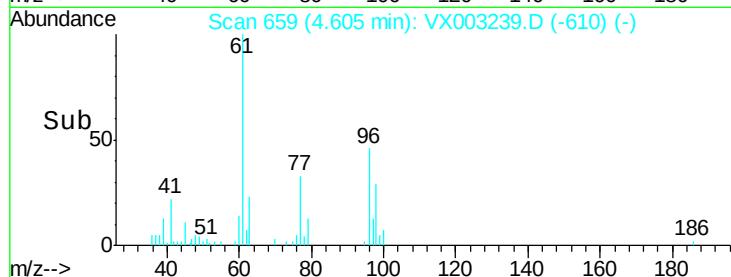
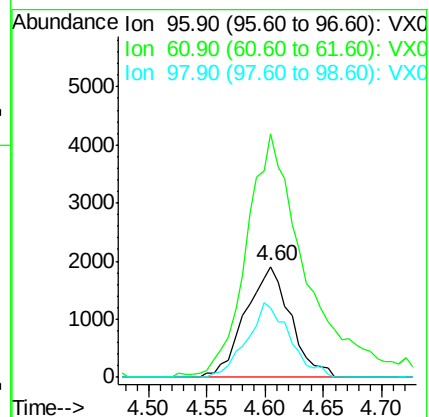
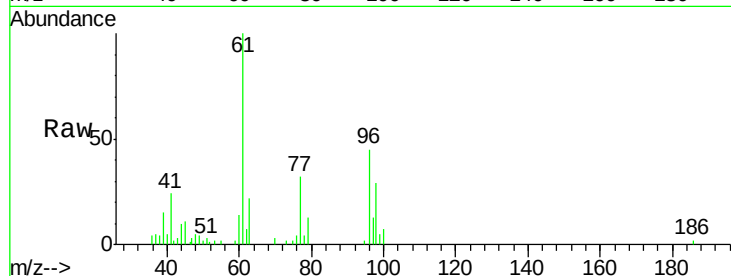
Tot Ion: 96 Resp: 5153

Ion Ratio Lower Upper

96 100

61 288.4 0.0 330.2

98 63.9 0.0 130.2



#28

Bromochloromethane

Concen: 1.43 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

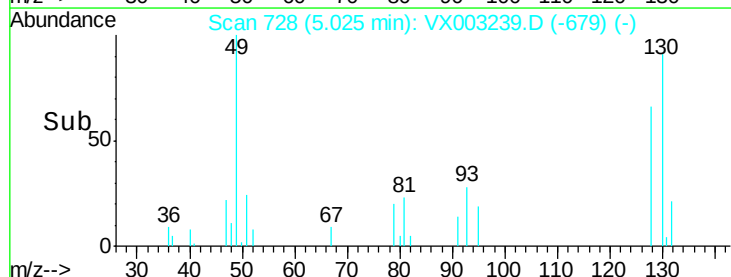
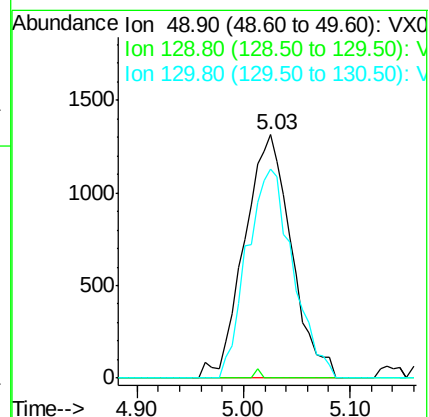
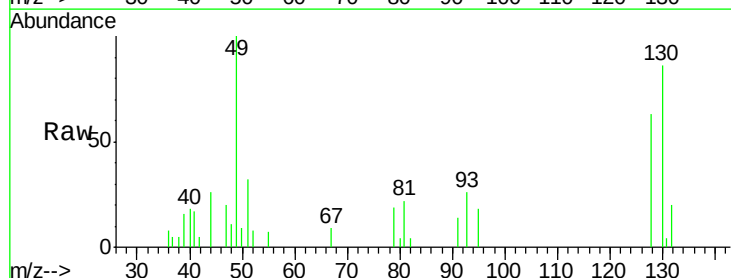
Tgt Ion: 49 Resp: 4066

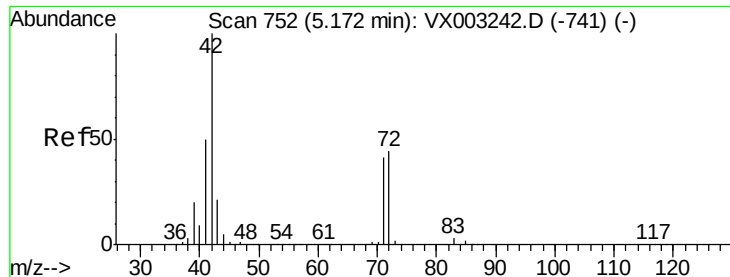
Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.2

130 83.8 61.2 91.8





#29

Tetrahydrofuran

Concen: 6.96 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

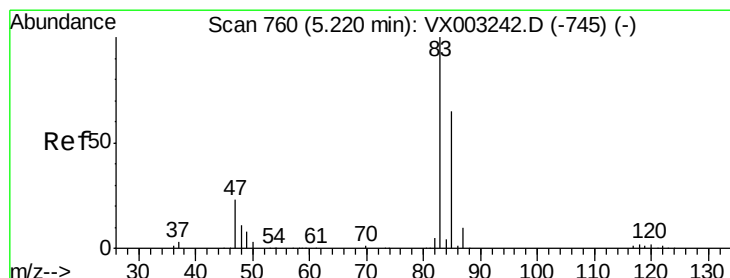
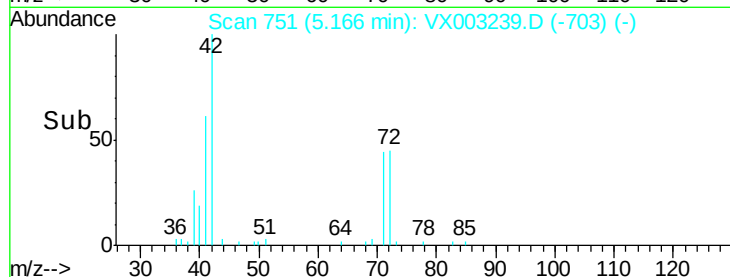
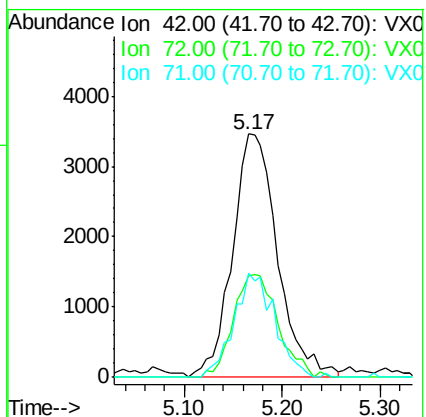
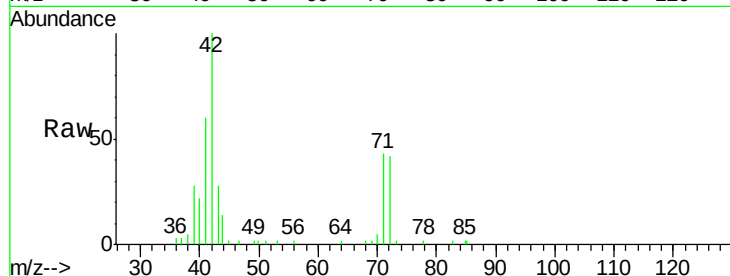
Tot Ion: 42 Resp: 11112

Ion Ratio Lower Upper

42 100

72 42.1 32.0 48.0

71 38.6 30.1 45.1



#30

Chloroform

Concen: 1.38 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003239.D

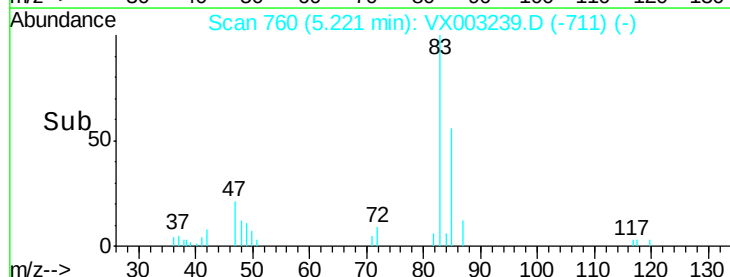
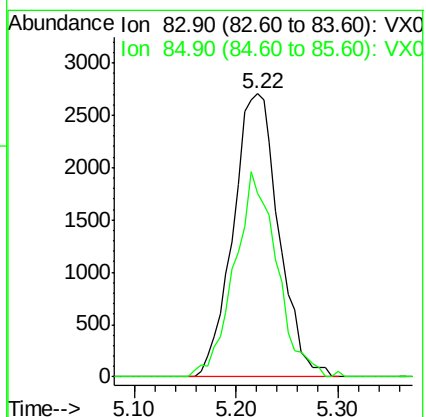
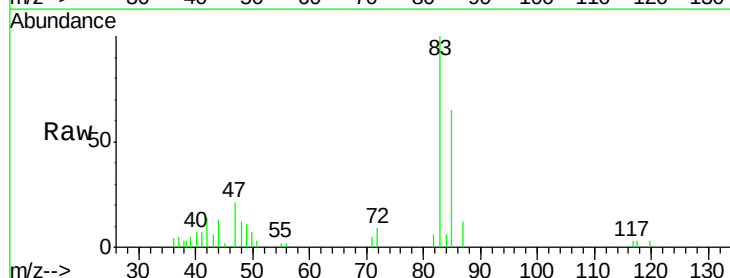
Acq: 09 Jul 2018 11:23

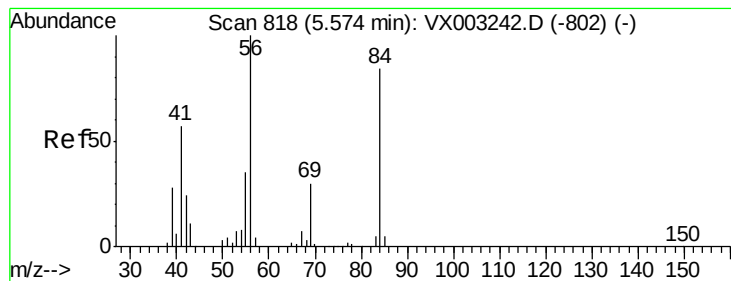
Tgt Ion: 83 Resp: 8411

Ion Ratio Lower Upper

83 100

85 65.0 50.4 75.6





#31

Cyclohexane

Concen: 1.39 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

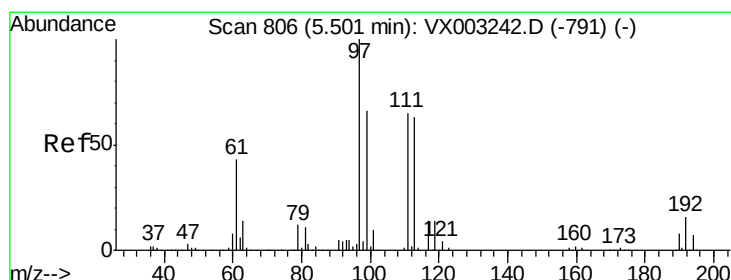
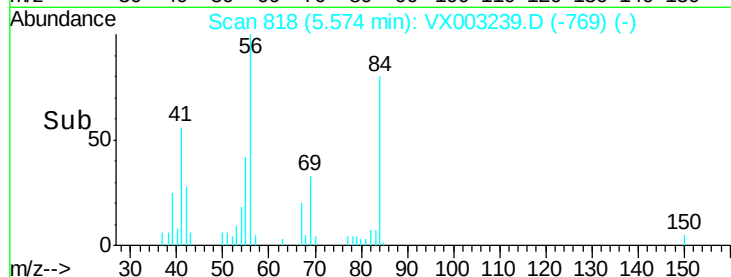
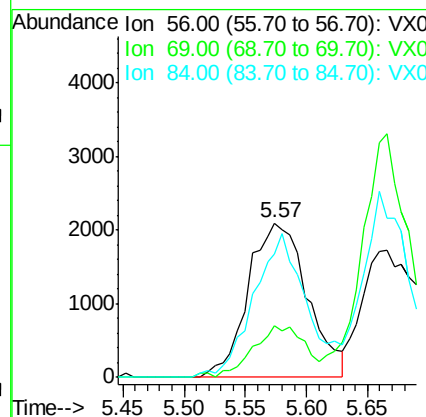
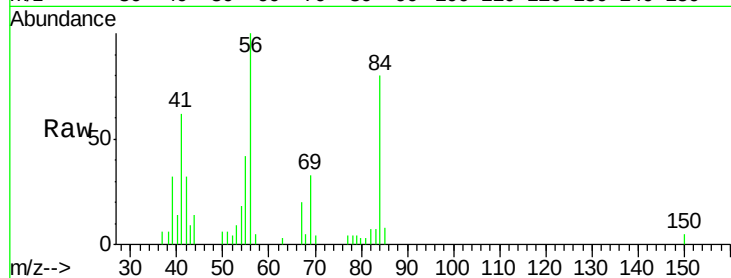
Tot Ion: 56 Resp: 7050

Ion Ratio Lower Upper

56 100

69 33.3 23.7 35.5

84 79.8 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 1.32 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

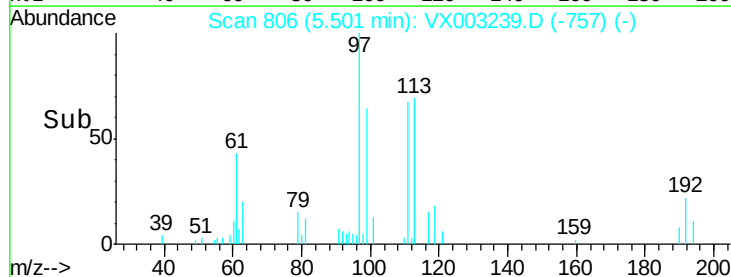
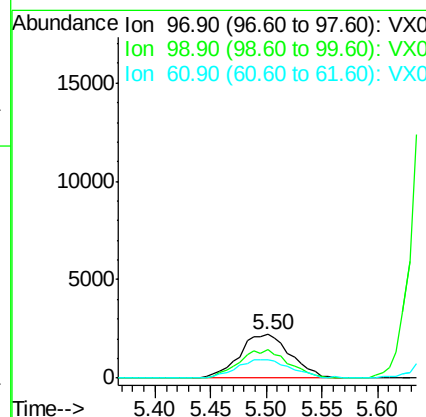
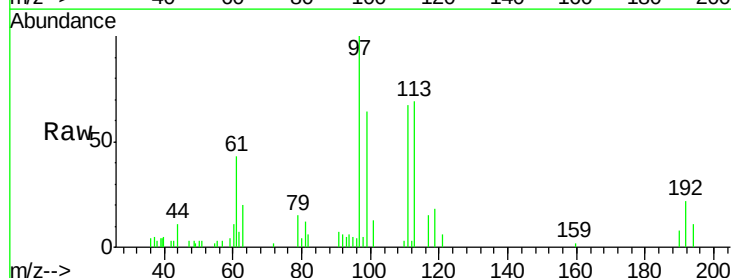
Tgt Ion: 97 Resp: 7060

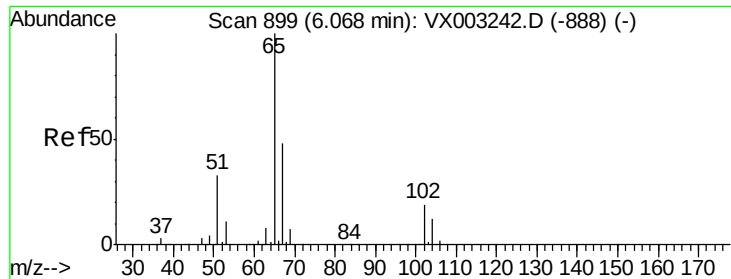
Ion Ratio Lower Upper

97 100

99 62.4 51.6 77.4

61 44.6 36.4 54.6

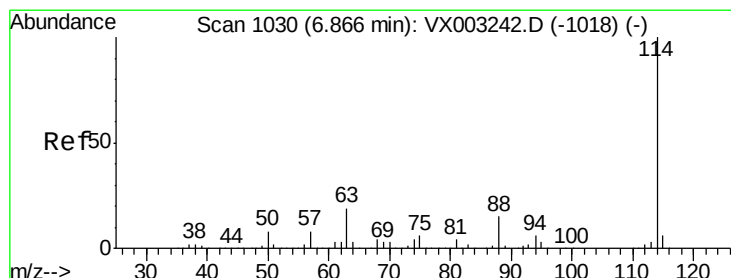
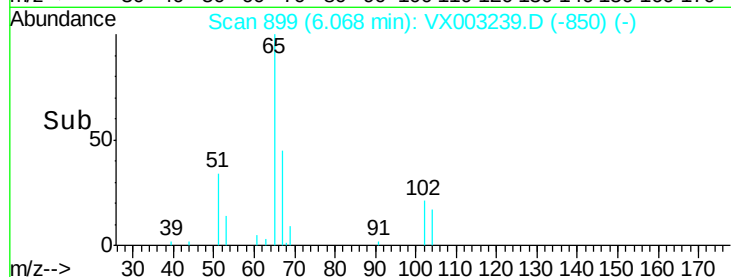
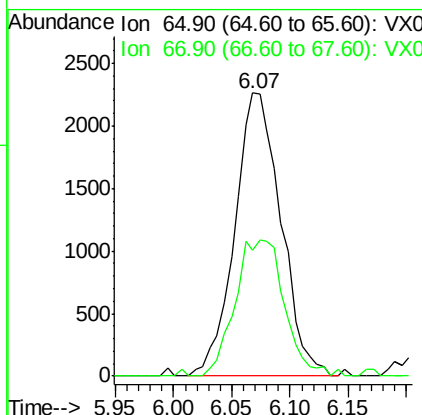
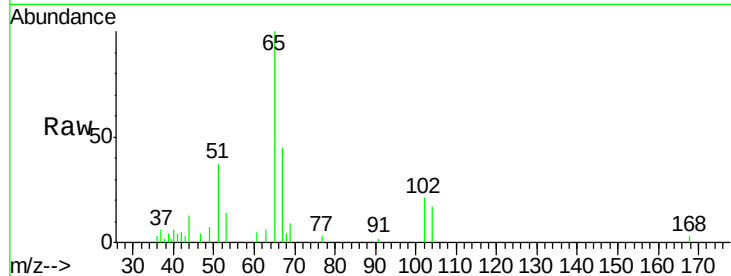




#33
 1,2-Dichloroethane-d4
 Concen: 1.54 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

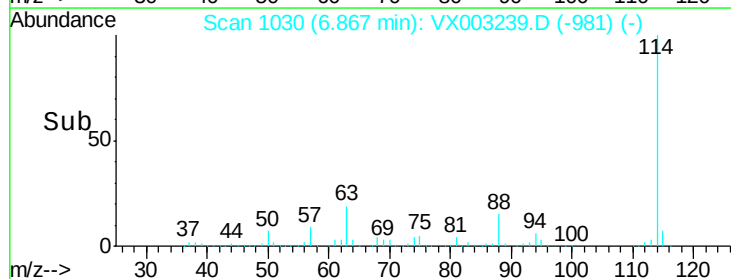
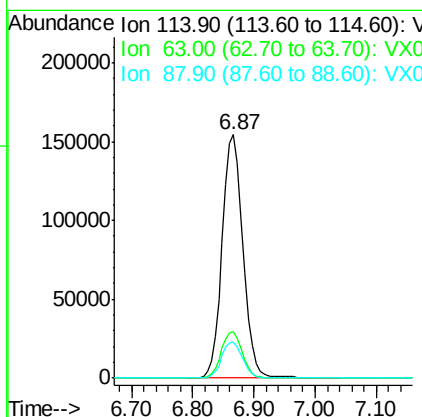
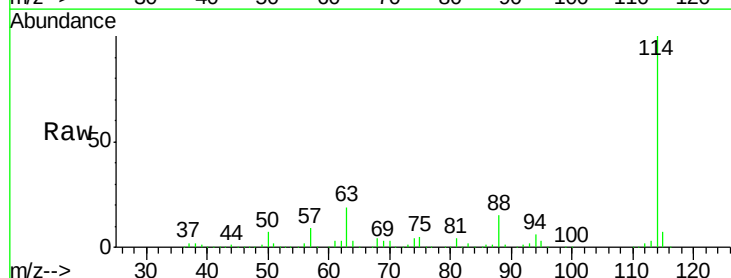
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

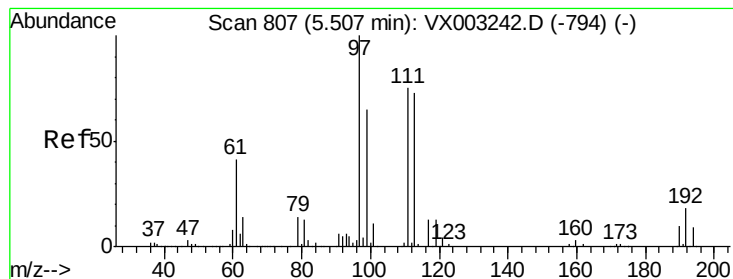
Tot Ion: 65 Resp: 6236
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion: 114 Resp: 363973
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 1.66 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

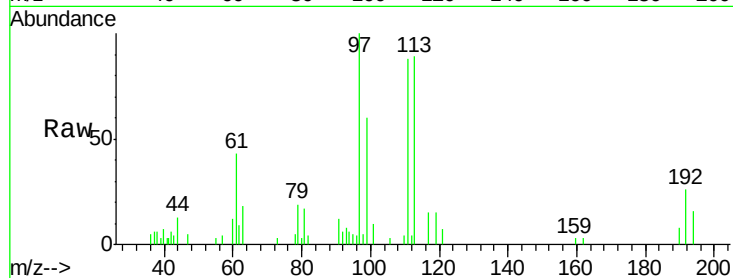
Tot Ion:113 Resp: 4793

Ion Ratio Lower Upper

113 100

111 107.3 81.4 122.0

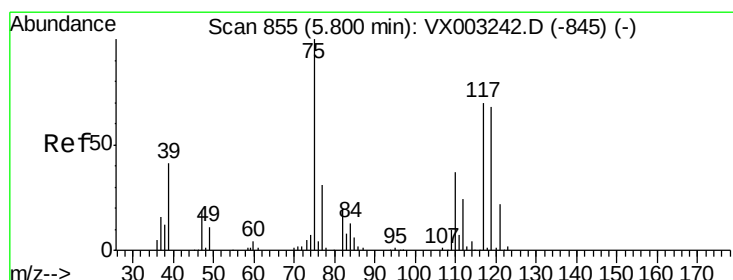
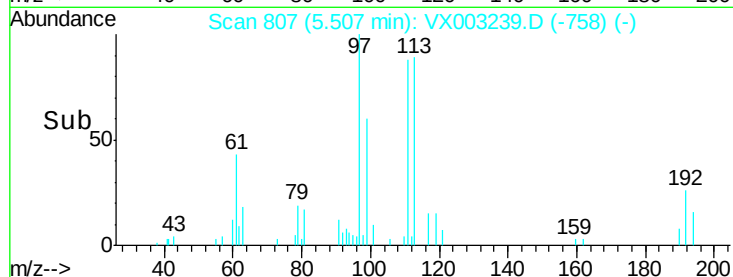
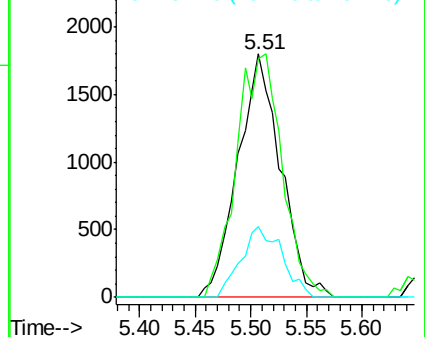
192 27.8 19.1 28.7



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: 1.56 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

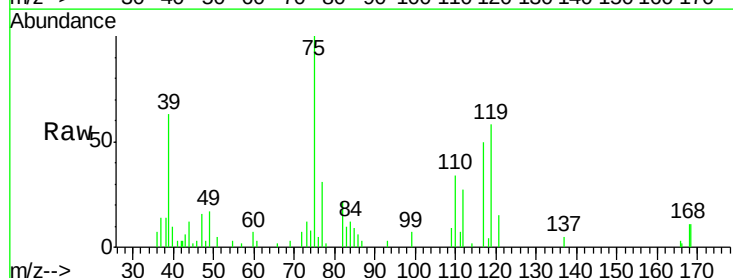
Tgt Ion: 75 Resp: 6242

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.4

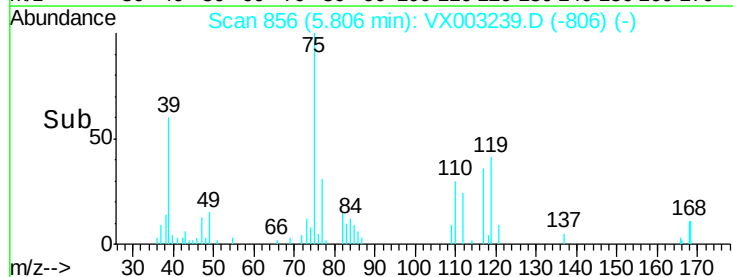
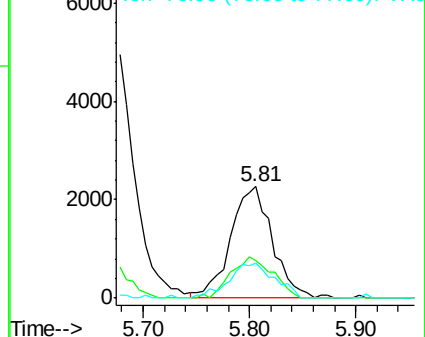
77 34.4 24.3 36.5

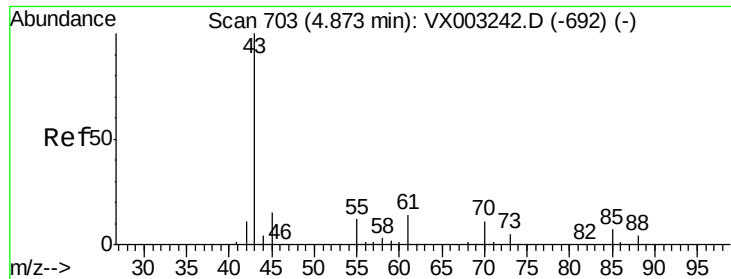


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

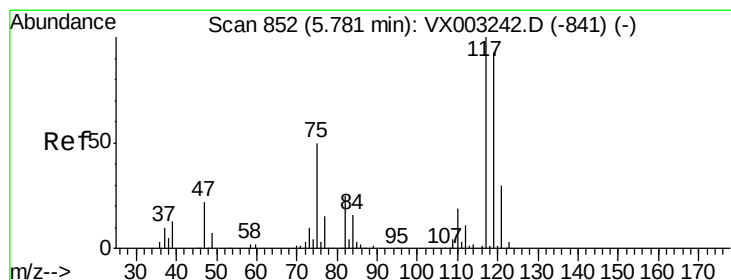
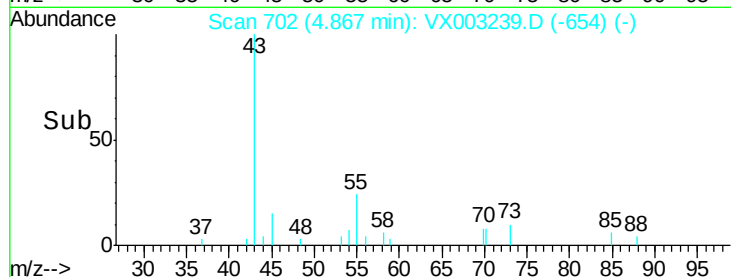
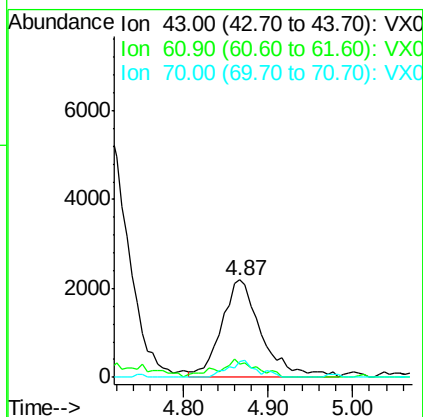
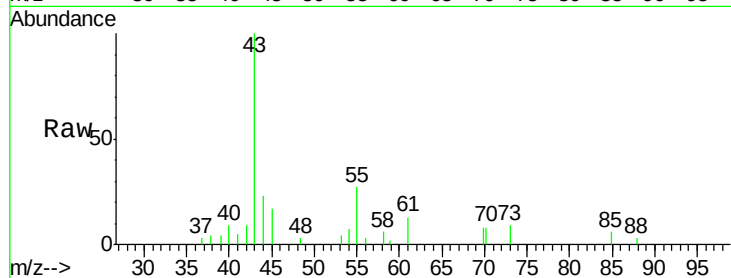




#37
Ethyl Acetate
Concen: 1.65 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

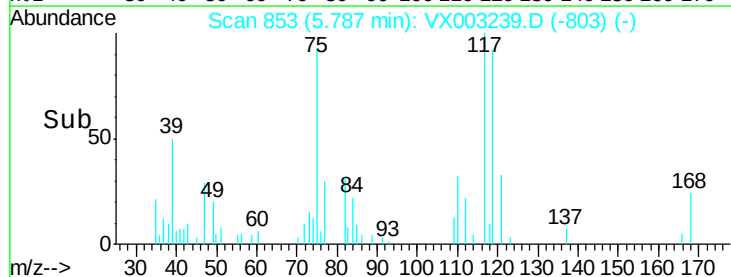
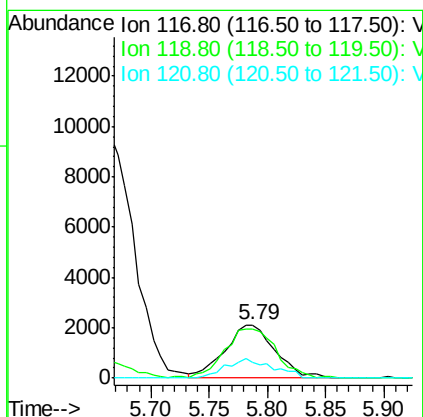
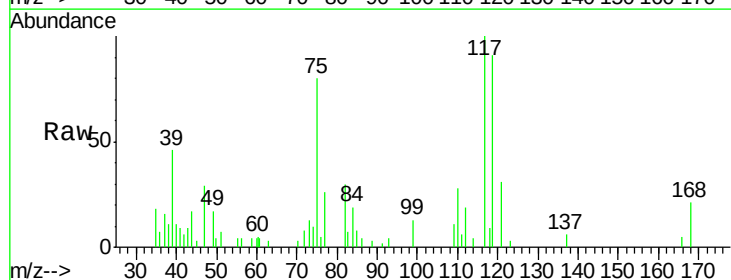
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

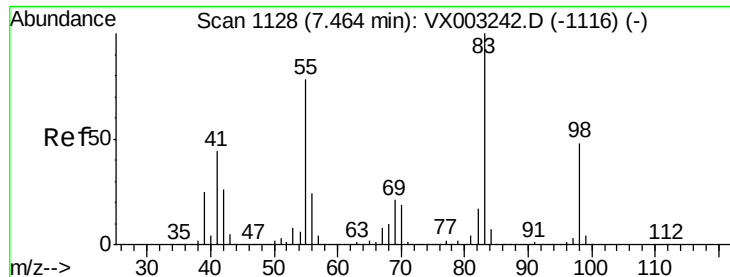
Tot Ion: 43 Resp: 7095
Ion Ratio Lower Upper
43 100
61 17.4 10.4 15.6#
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 1.44 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion: 117 Resp: 6315
Ion Ratio Lower Upper
117 100
119 91.3 77.4 116.0
121 30.6 24.4 36.6

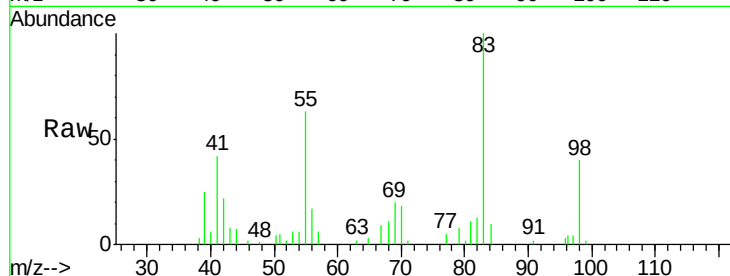




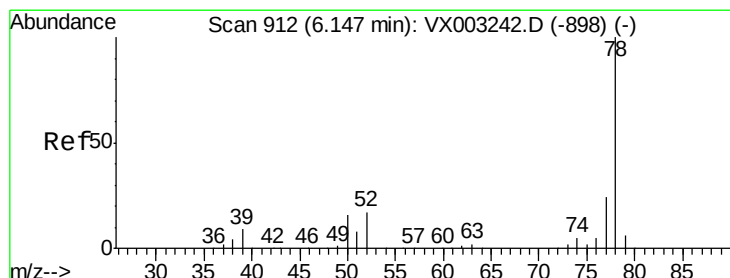
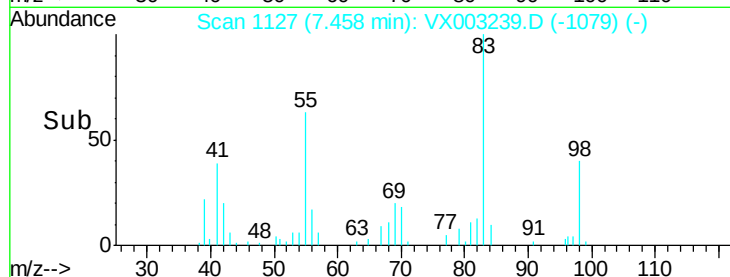
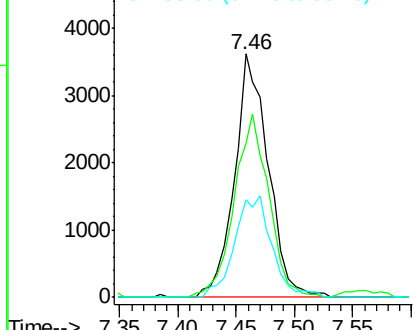
#39
Methylvlcyclohexane
Concen: 1.57 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 7297
Ion Ratio Lower Upper
83 100
55 63.1 65.4 98.0#
98 40.1 37.4 56.0

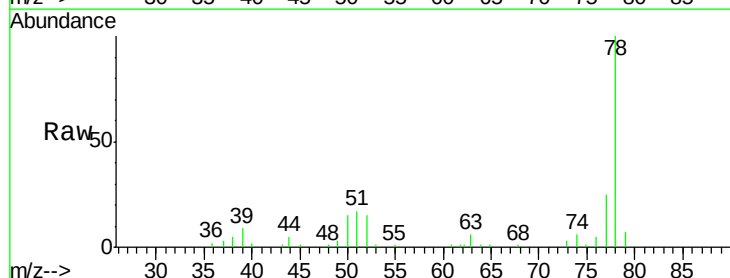


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

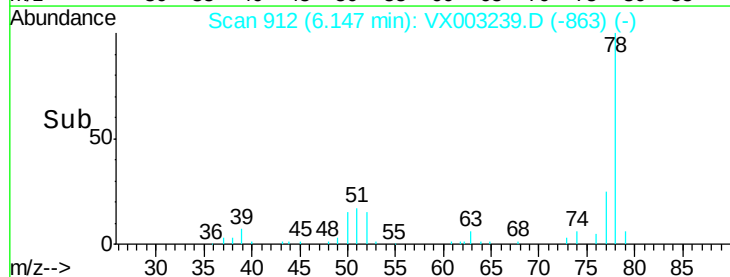
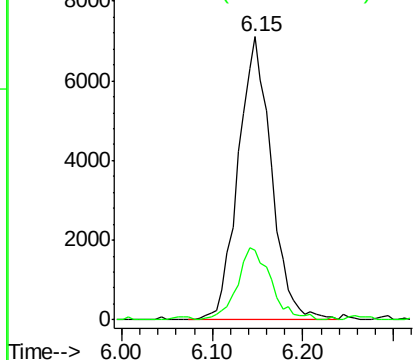


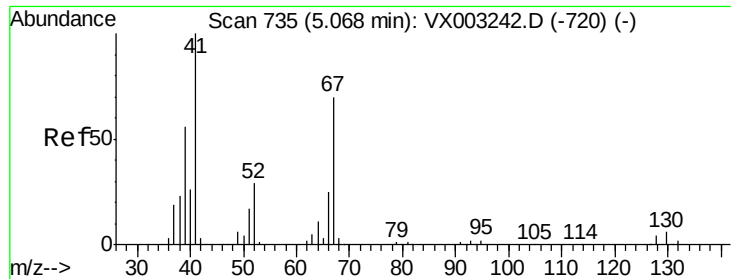
#40
Benzene
Concen: 1.56 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion: 78 Resp: 18035
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7



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





#41

Methacrylonitrile

Concen: 1.39 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 3436

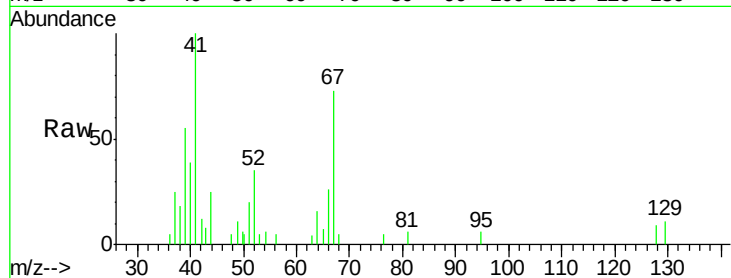
Ion Ratio Lower Upper

41 100

39 76.5 45.8 68.6#

67 75.1 51.3 76.9

52 37.9 23.0 34.6#

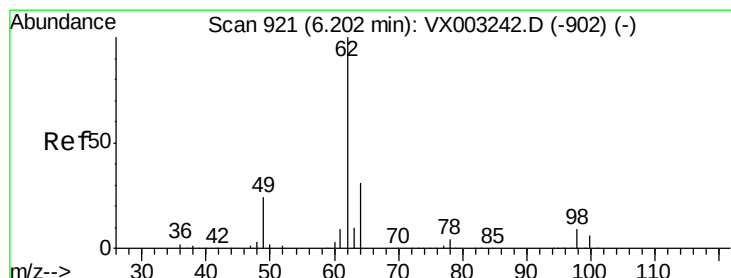
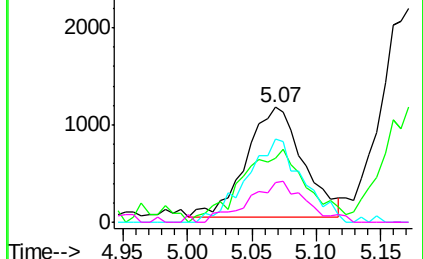
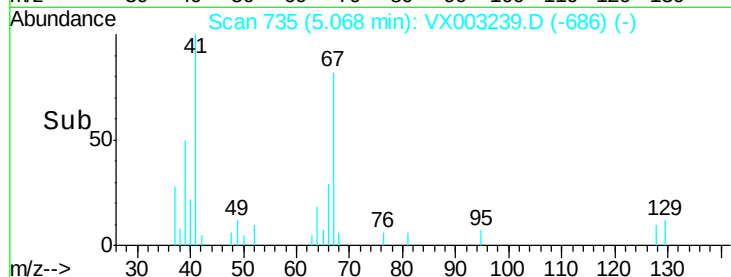


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 1.52 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003239.D

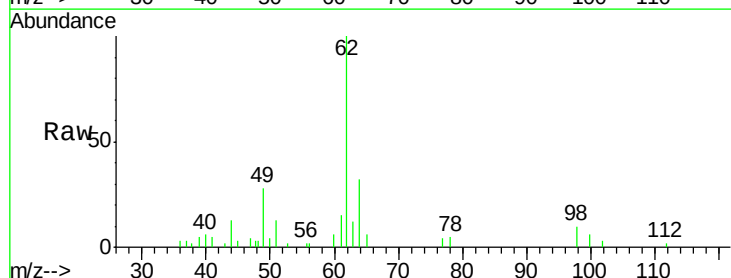
Acq: 09 Jul 2018 11:23

Tgt Ion: 62 Resp: 7132

Ion Ratio Lower Upper

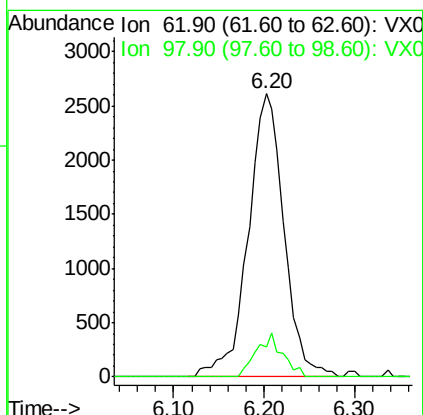
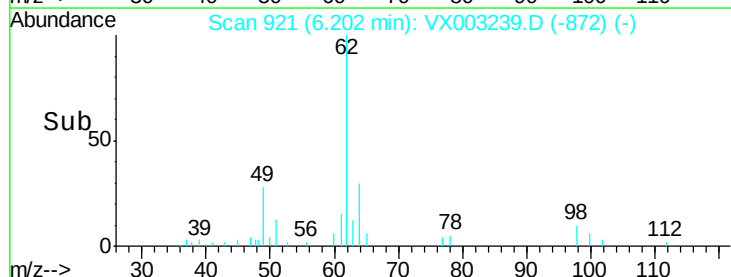
62 100

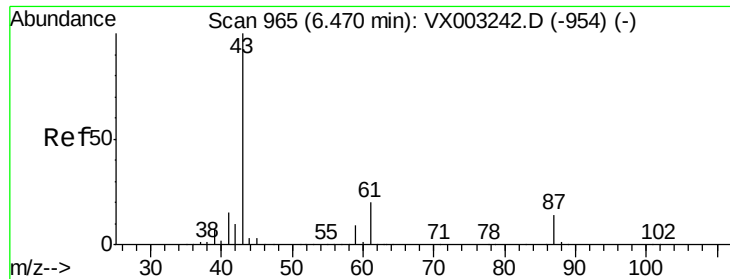
98 11.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 1.41 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

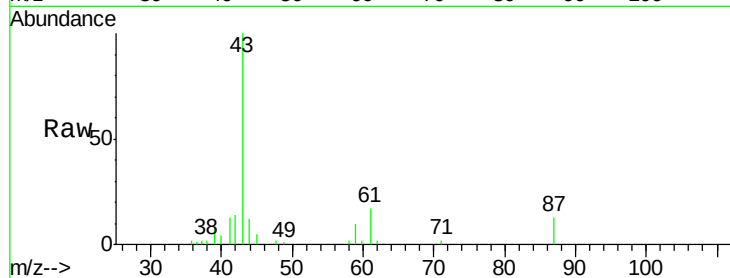
Tot Ion: 43 Resp: 10191

Ion Ratio Lower Upper

43 100

61 19.3 14.4 21.6

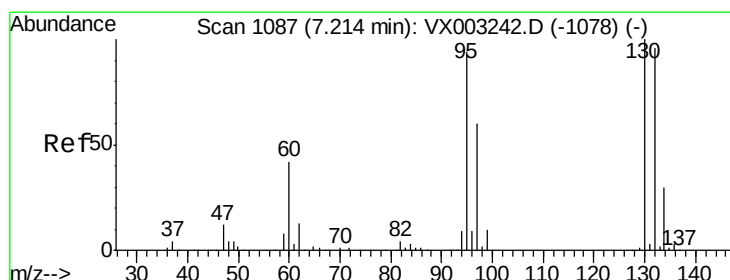
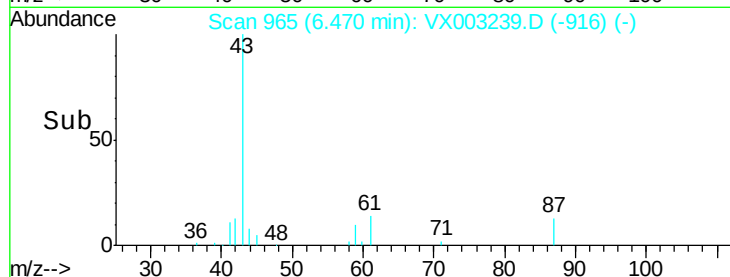
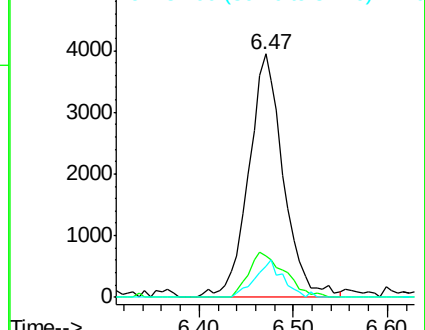
87 12.4 9.5 14.3



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: 1.53 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003239.D

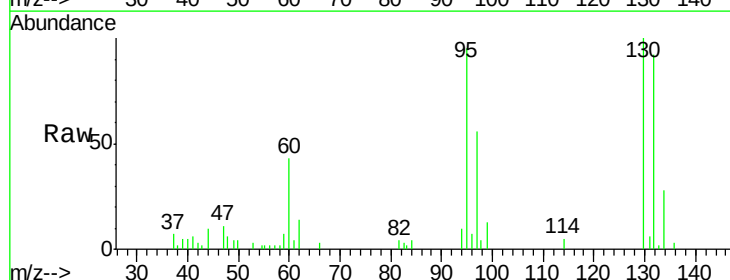
Acq: 09 Jul 2018 11:23

Tgt Ion: 130 Resp: 5283

Ion Ratio Lower Upper

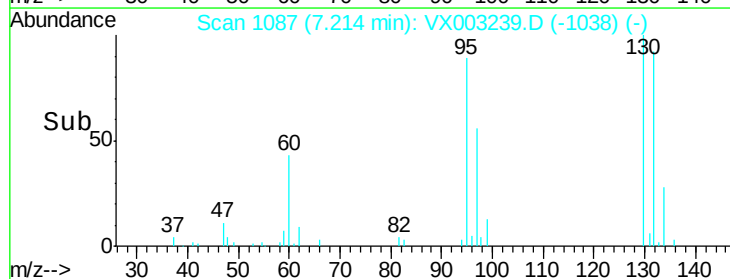
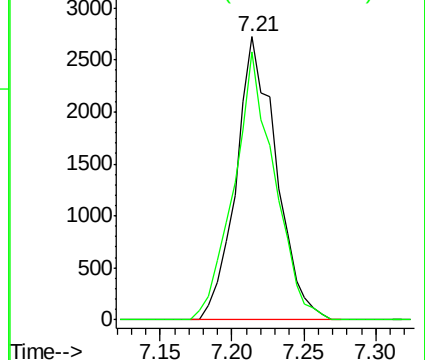
130 100

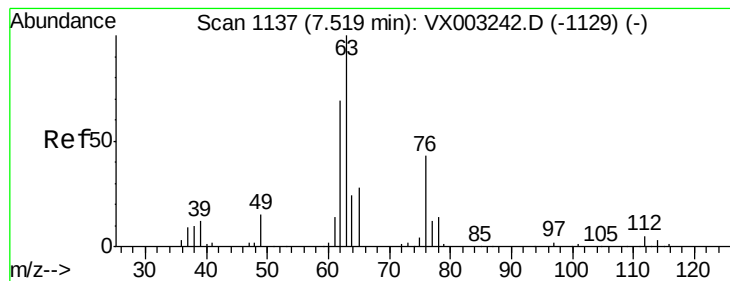
95 94.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.58 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

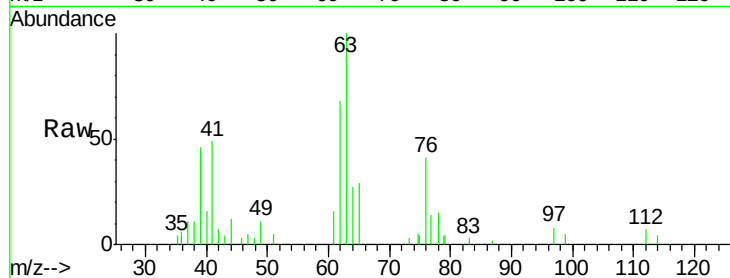
VSTDIC001

Tot Ion: 63 Resp: 4864

Ion Ratio Lower Upper

63 100

65 28.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

2500

2000

1500

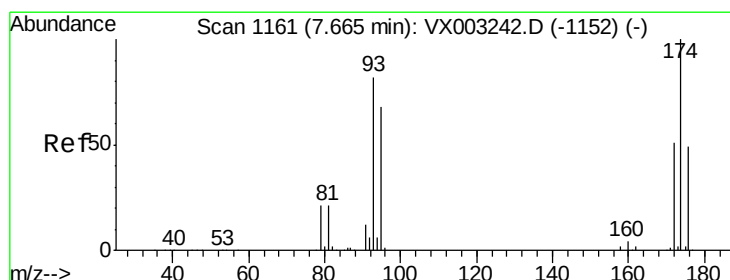
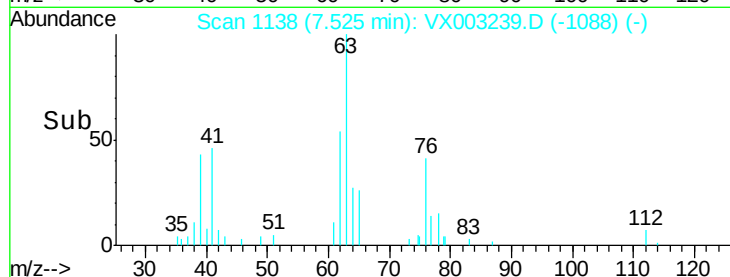
1000

500

0

7.40 7.45 7.50 7.55 7.60

Time-->



#46

Dibromomethane

Concen: 1.50 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

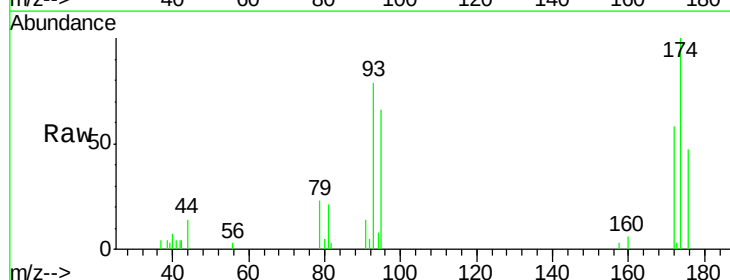
Tgt Ion: 93 Resp: 3200

Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

174 123.4 92.4 138.6



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

2500

2000

1500

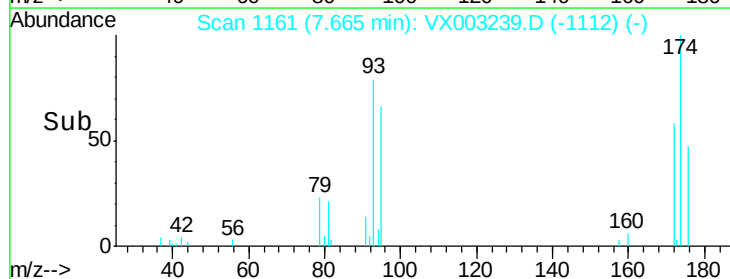
1000

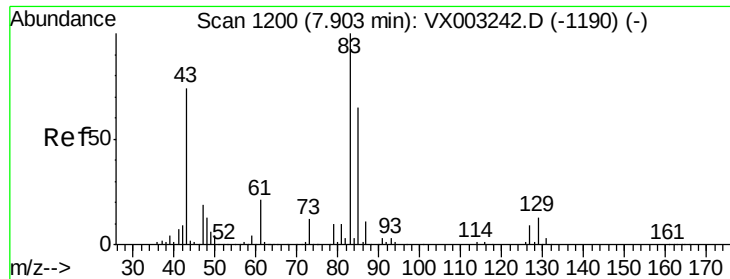
500

0

7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 1.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

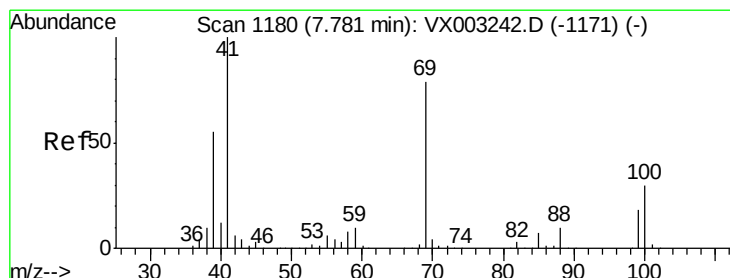
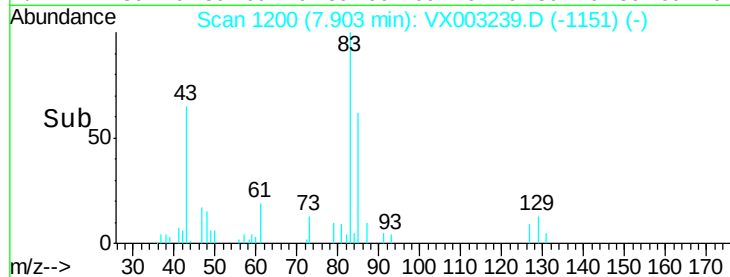
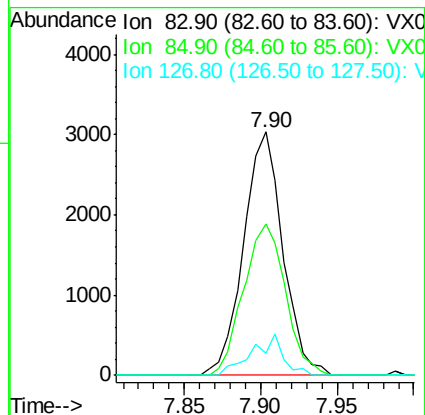
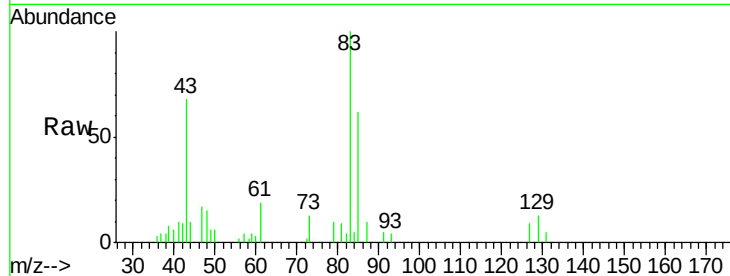
Tot Ion: 83 Resp: 5403

Ion Ratio Lower Upper

83 100

85 62.0 50.3 75.5

127 9.0 7.0 10.4



#48

Methyl methacrylate

Concen: 1.36 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

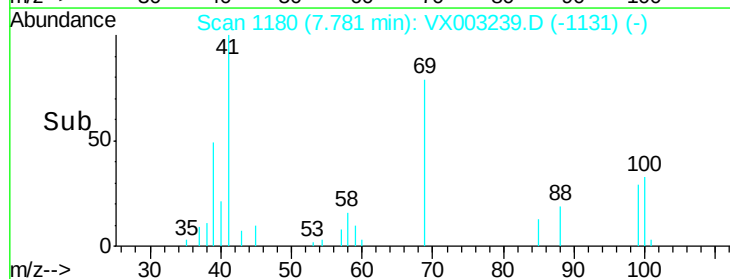
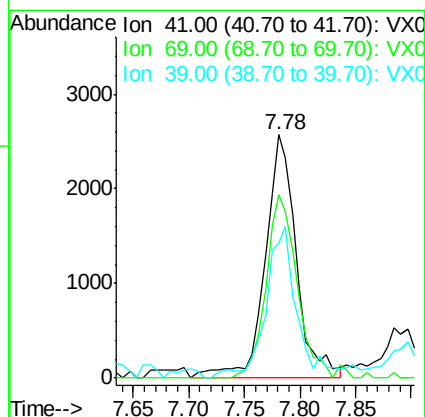
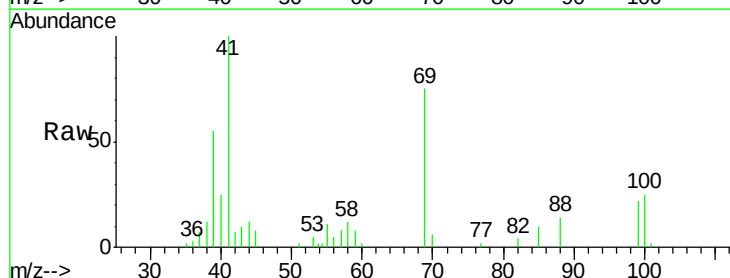
Tgt Ion: 41 Resp: 5044

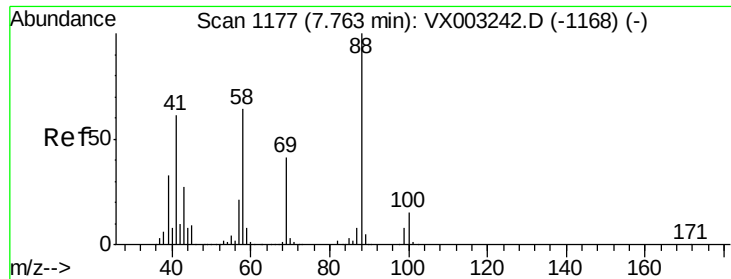
Ion Ratio Lower Upper

41 100

69 74.3 59.1 88.7

39 61.4 48.9 73.3

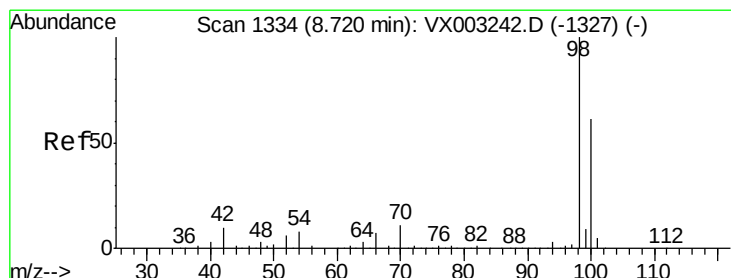
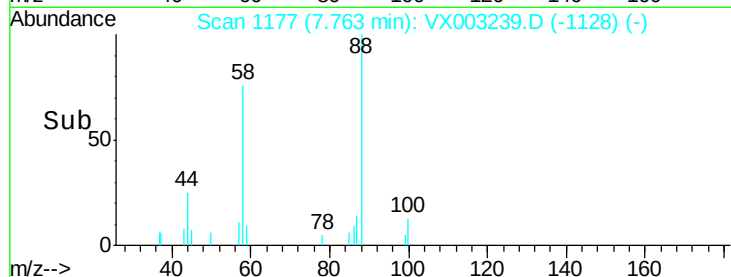
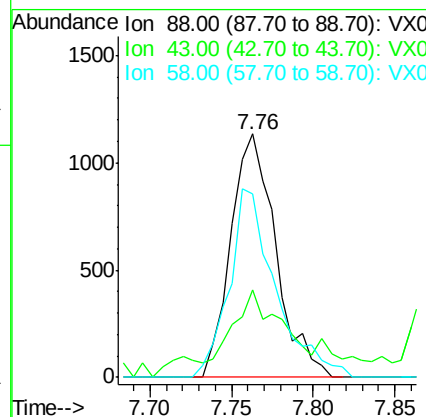
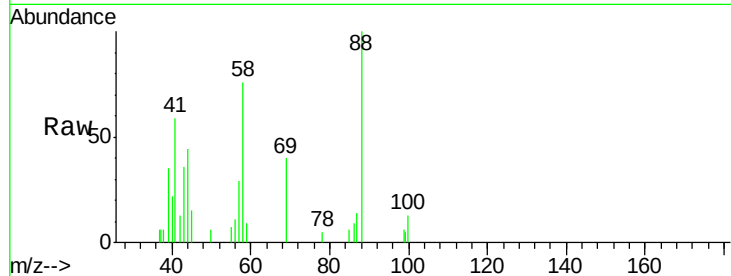




#49
 1,4-Dioxane
 Concen: 30.14 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

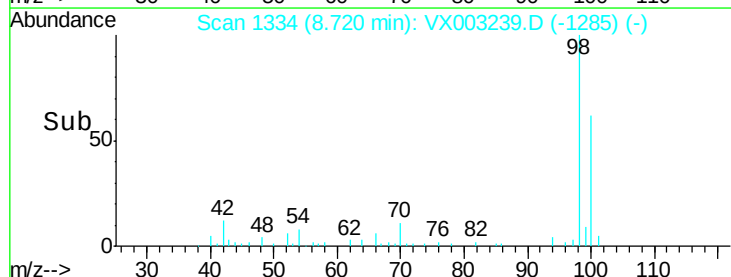
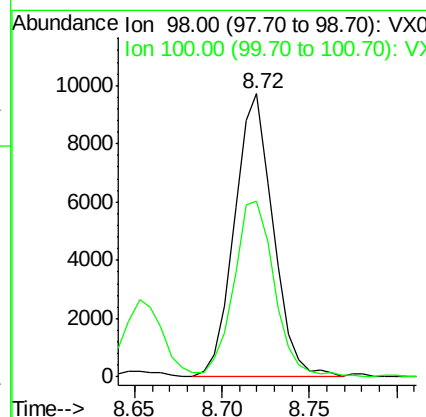
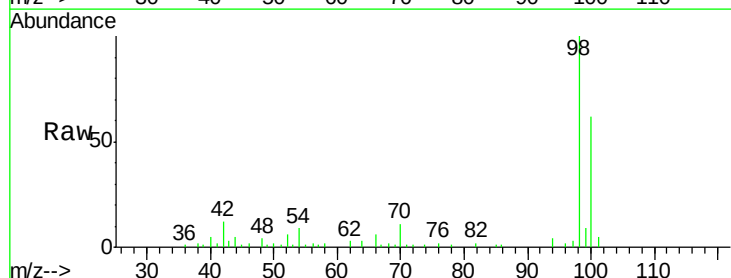
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

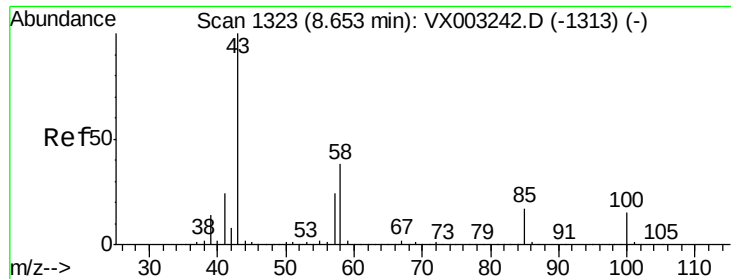
Tot Ion: 88 Resp: 2178
 Ion Ratio Lower Upper
 88 100
 43 32.3 29.8 44.6
 58 79.9 57.1 85.7



#50
 Toluene-d8
 Concen: 1.42 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion: 98 Resp: 14911
 Ion Ratio Lower Upper
 98 100
 100 65.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 6.21 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

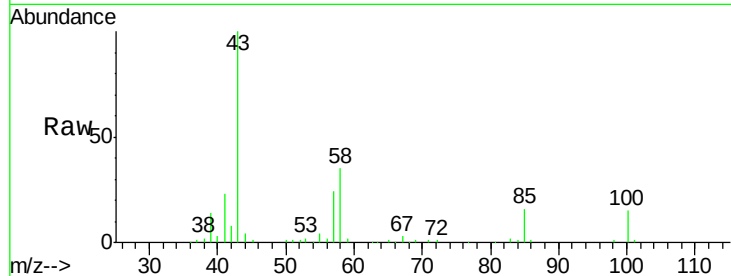
VSTDIC001

Tot Ion: 43 Resp: 27993

Ion Ratio Lower Upper

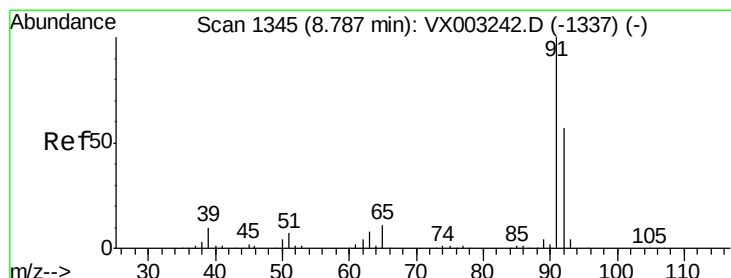
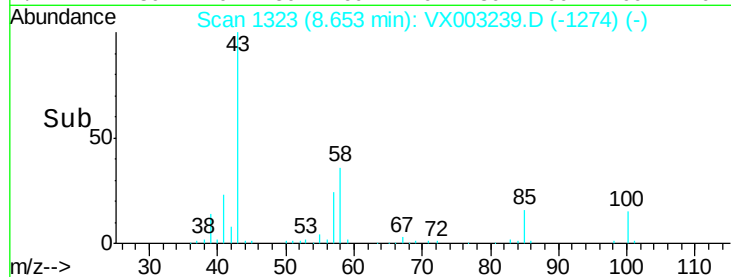
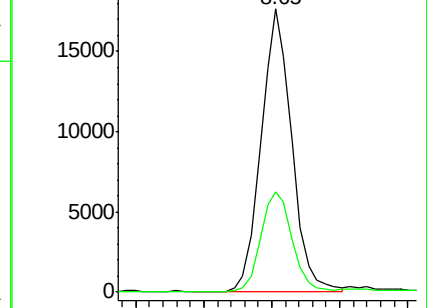
43 100

58 36.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.44 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003239.D

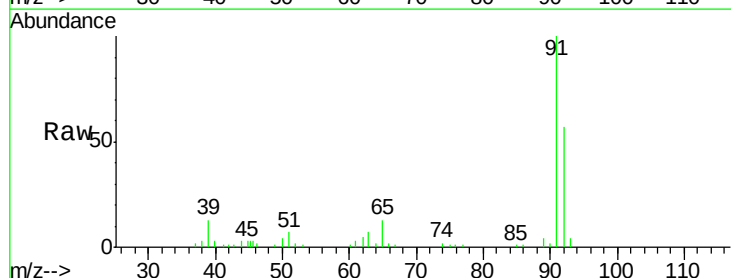
Acq: 09 Jul 2018 11:23

Tgt Ion: 92 Resp: 10662

Ion Ratio Lower Upper

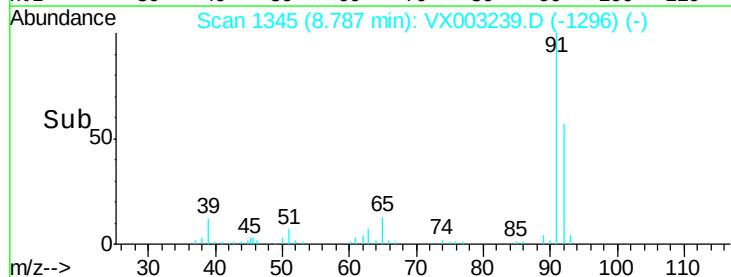
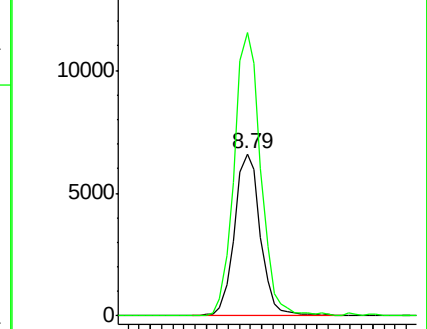
92 100

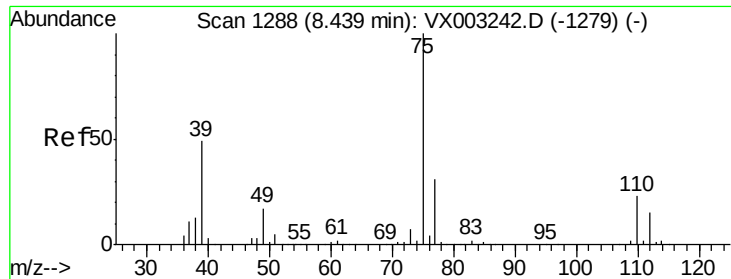
91 179.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 1.36 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

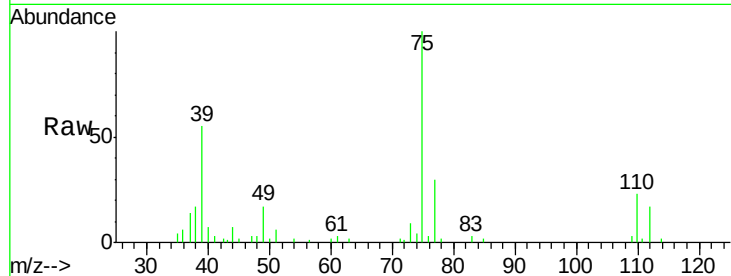
VSTDIC001

Tot Ion: 75 Resp: 6066

Ion Ratio Lower Upper

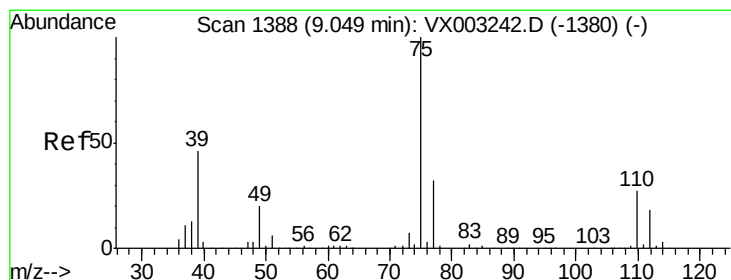
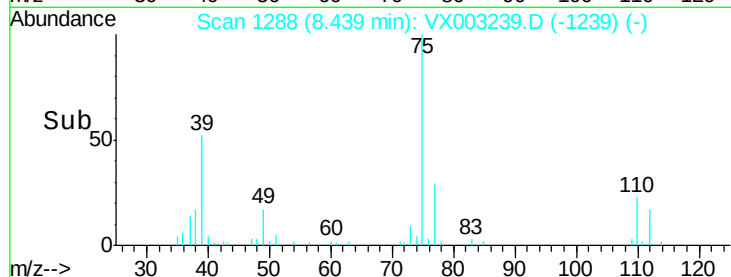
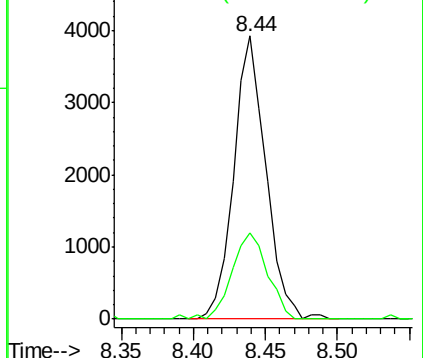
75 100

77 30.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 1.25 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

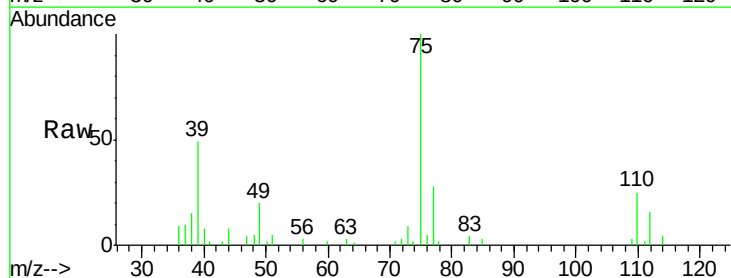
Tgt Ion: 75 Resp: 5368

Ion Ratio Lower Upper

75 100

77 27.6 24.8 37.2

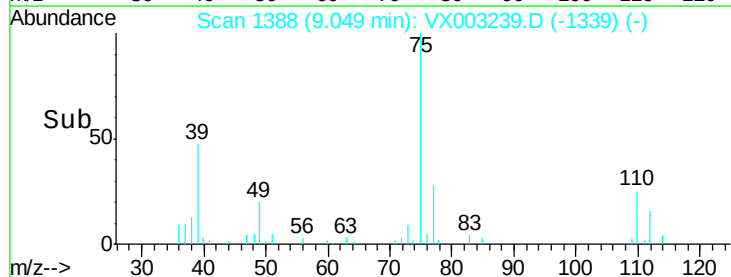
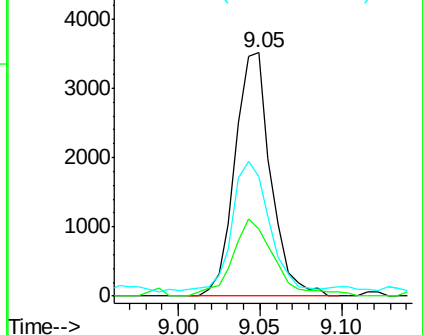
39 46.3 42.4 63.6

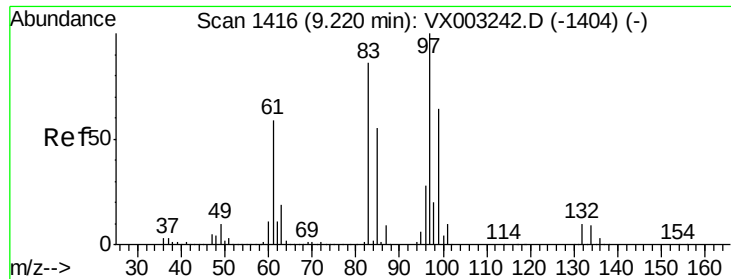


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



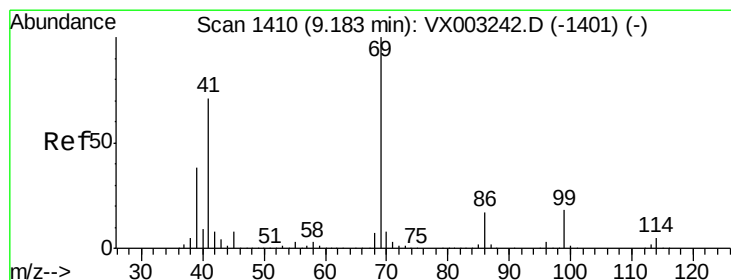
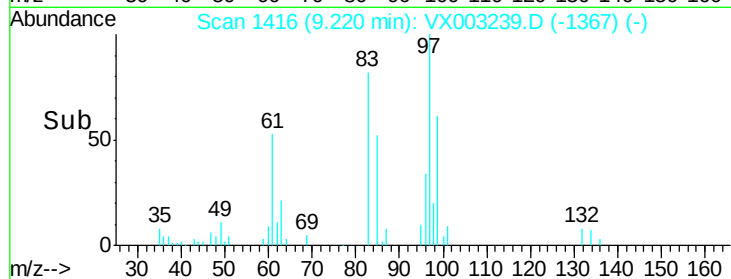
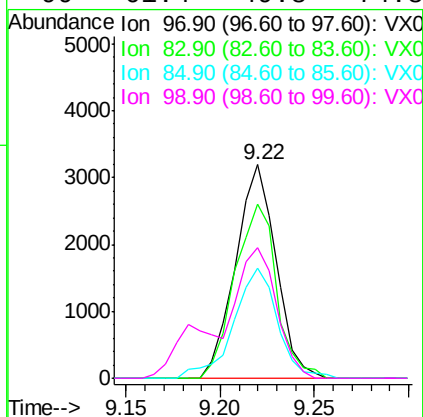
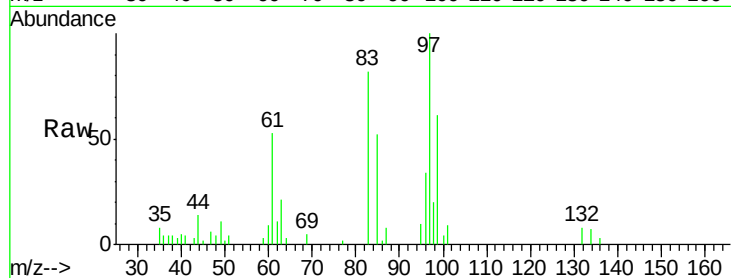


#55
 1,1,2-Trichloroethane
 Concen: 1.56 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 4755

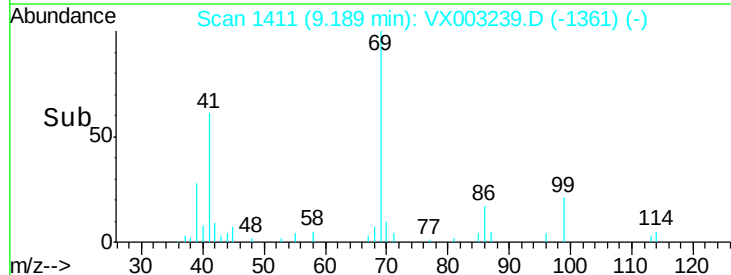
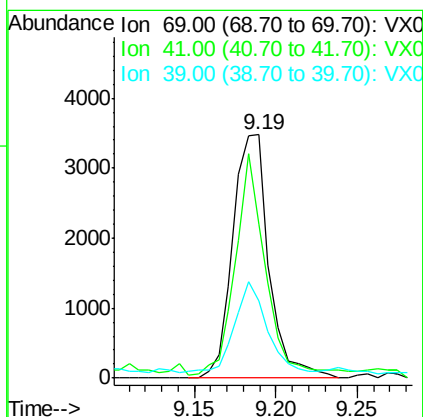
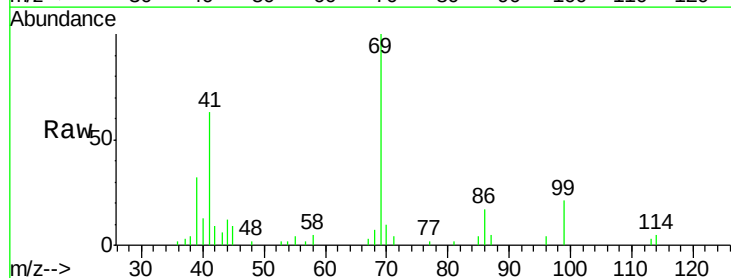
Ion	Ratio	Lower	Upper
97	100		
83	81.7	70.2	105.2
85	51.5	44.9	67.3
99	61.4	49.8	74.8

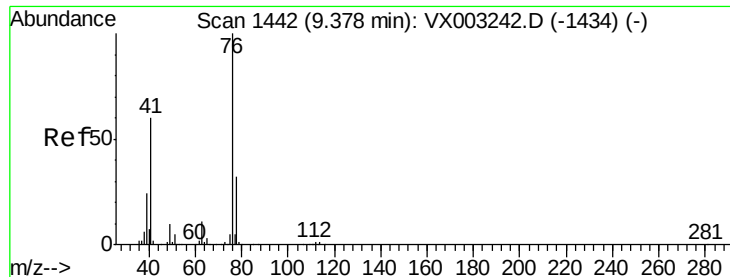


#56
 Ethyl methacrylate
 Concen: 1.20 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion: 69 Resp: 5366

Ion	Ratio	Lower	Upper
69	100		
41	74.7	60.3	90.5
39	32.4	35.8	53.8#

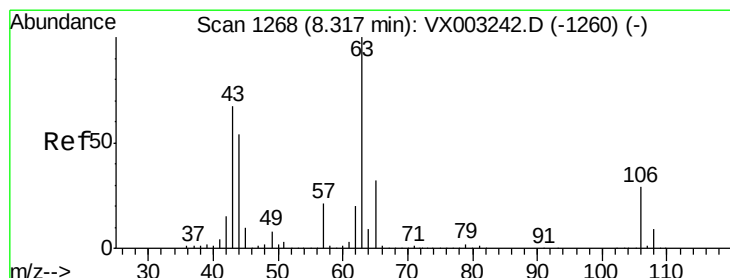
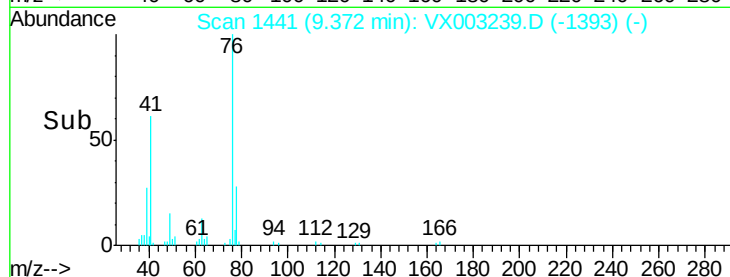
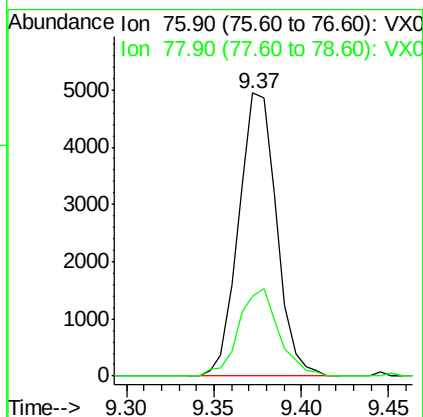
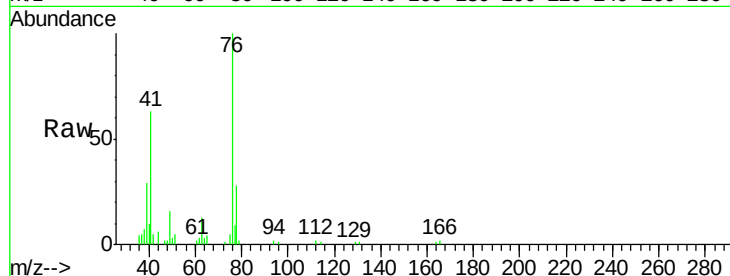




#57
 1,3-Dichloropropane
 Concen: 1.48 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

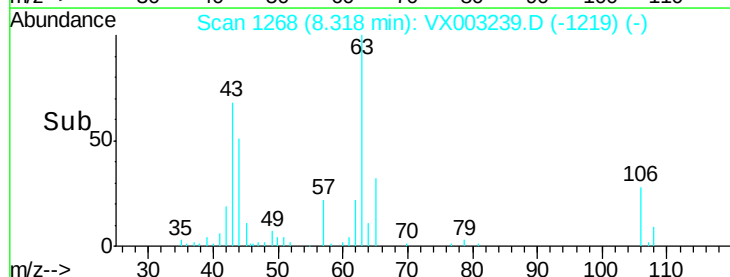
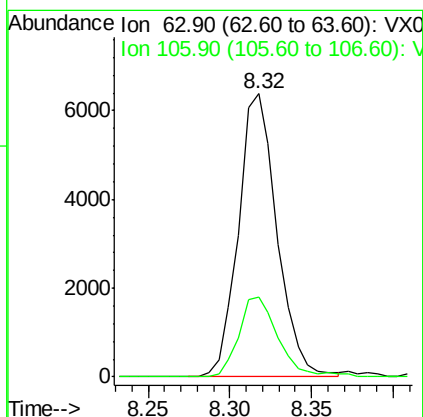
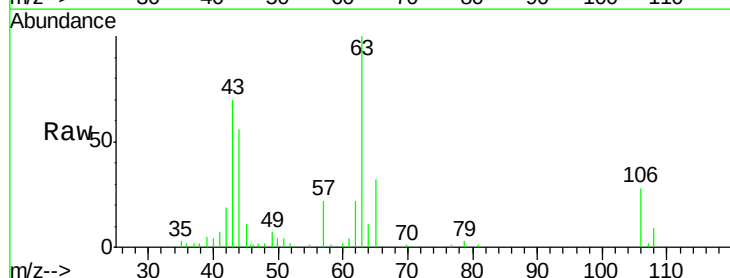
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

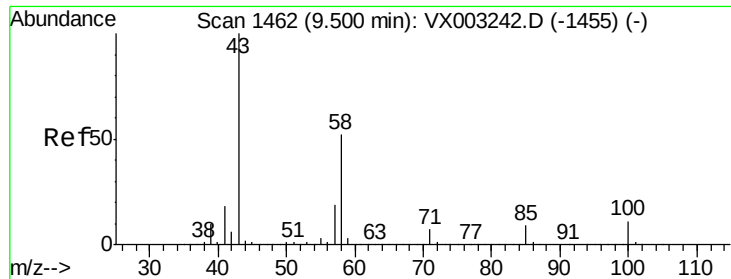
Tot Ion: 76 Resp: 7431
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.90 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion: 63 Resp: 10537
 Ion Ratio Lower Upper
 63 100
 106 28.9 21.8 32.8

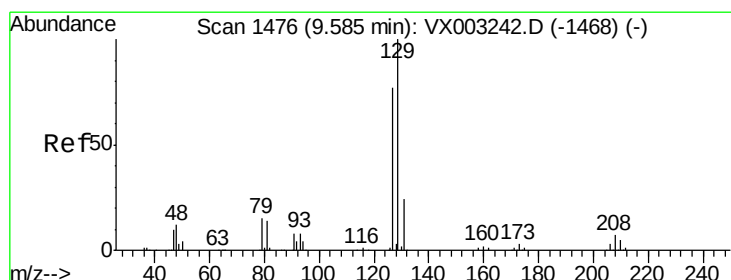
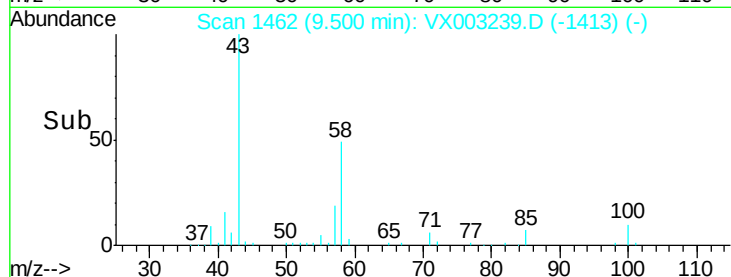
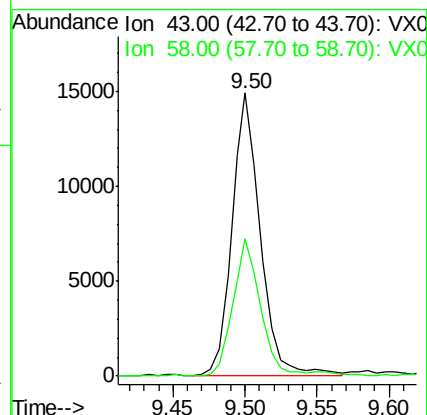
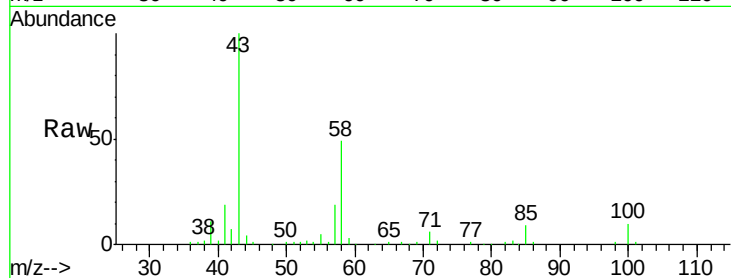




#59
2-Hexanone
Concen: 6.04 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

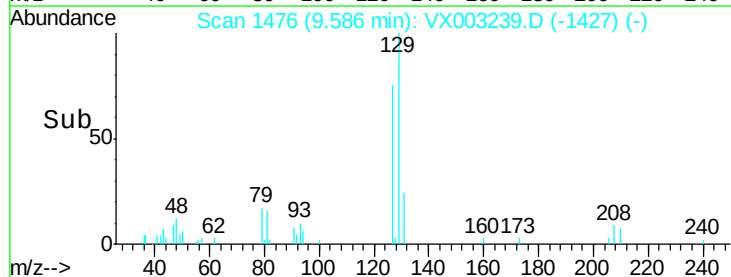
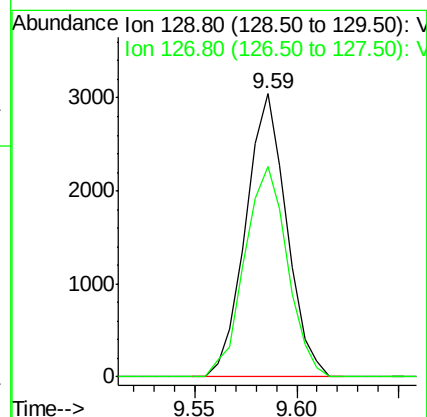
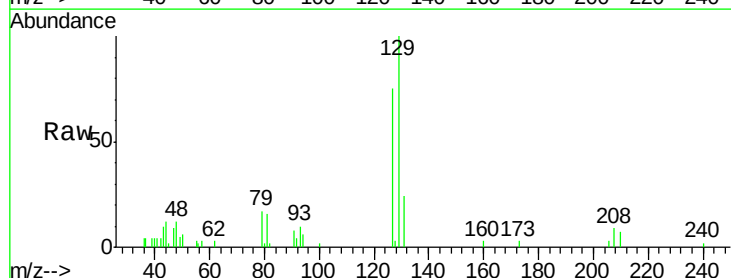
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

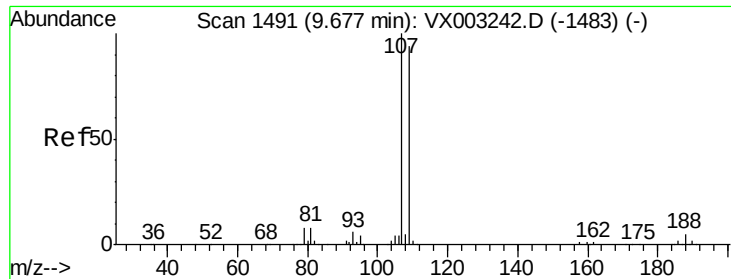
Tot Ion: 43 Resp: 20713
Ion Ratio Lower Upper
43 100
58 48.3 24.6 73.6



#60
Dibromochloromethane
Concen: 1.32 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion: 129 Resp: 4241
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.44 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

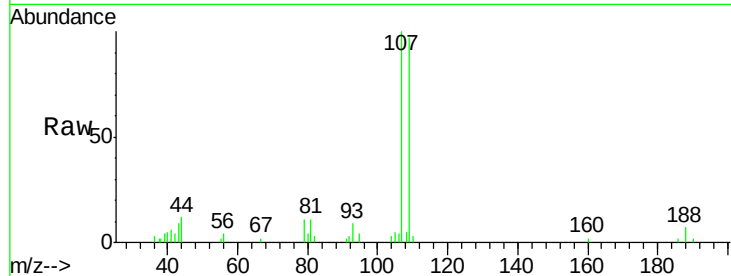
VSTDIC001

Tot Ion:107 Resp: 4612

Ion Ratio Lower Upper

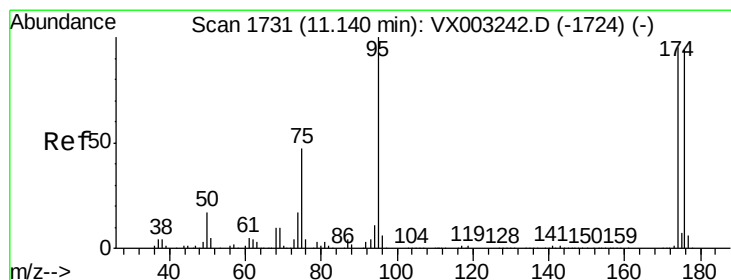
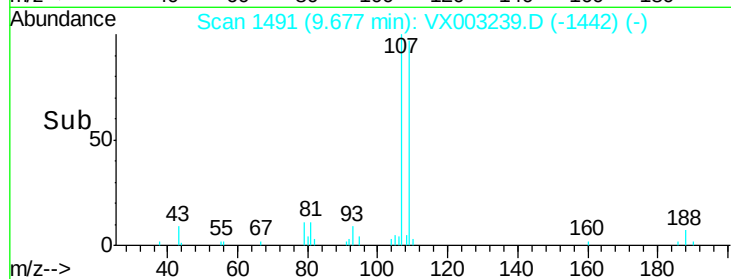
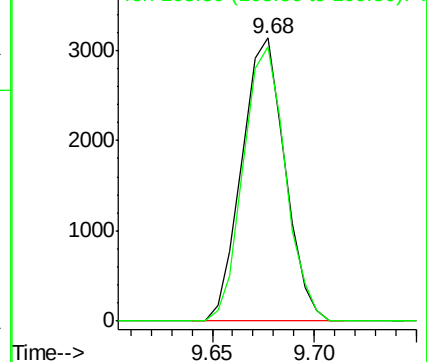
107 100

109 94.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

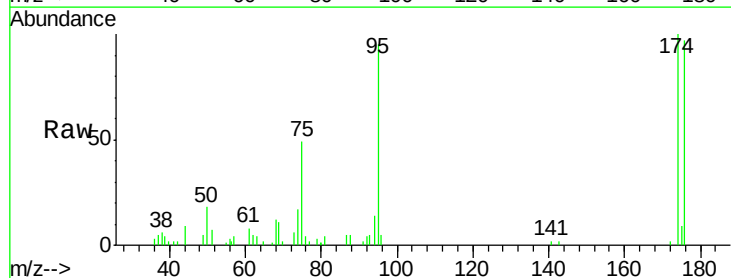
Tgt Ion: 95 Resp: 5300

Ion Ratio Lower Upper

95 100

174 98.8 0.0 187.4

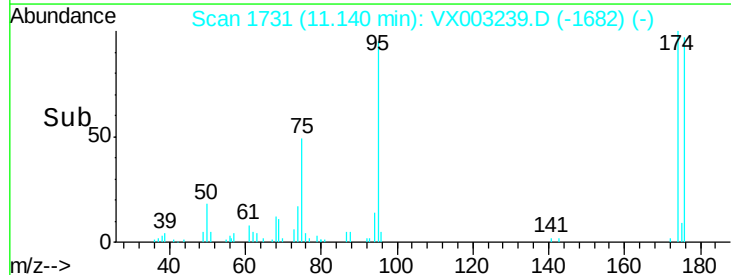
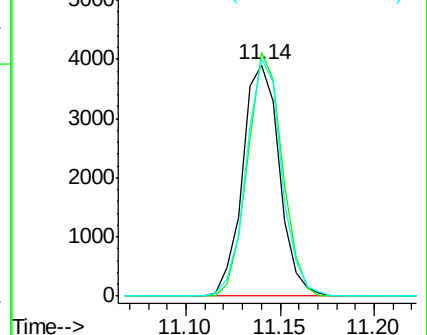
176 98.1 0.0 181.0

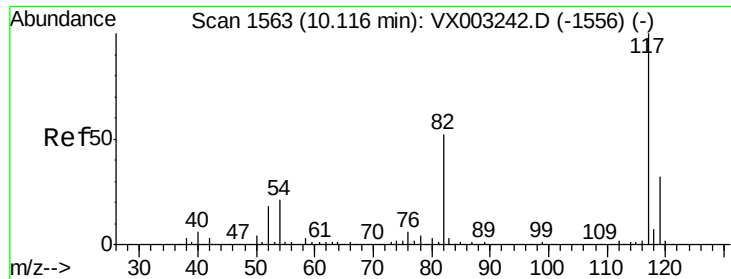


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

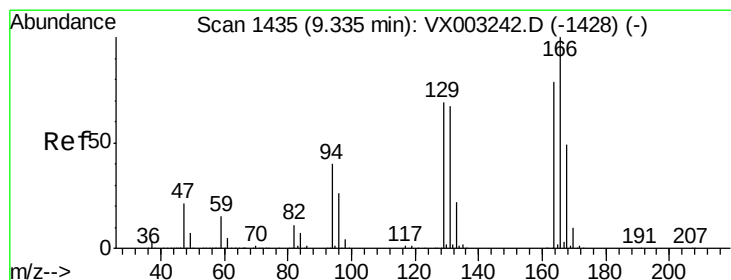
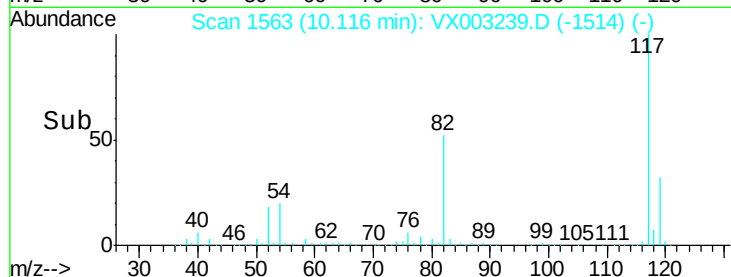
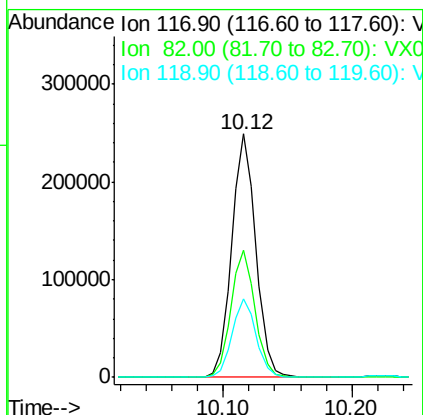
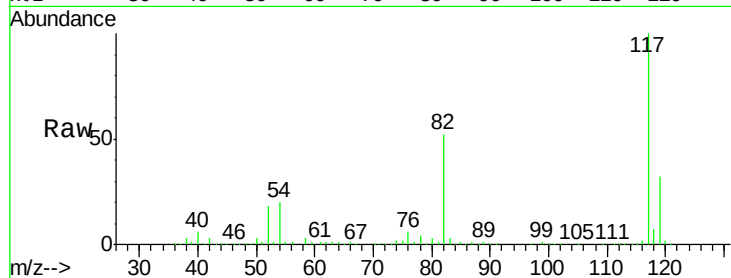




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

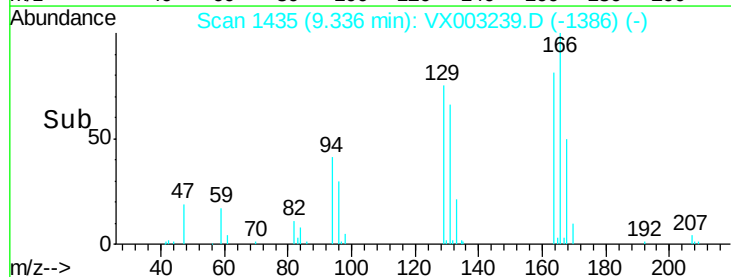
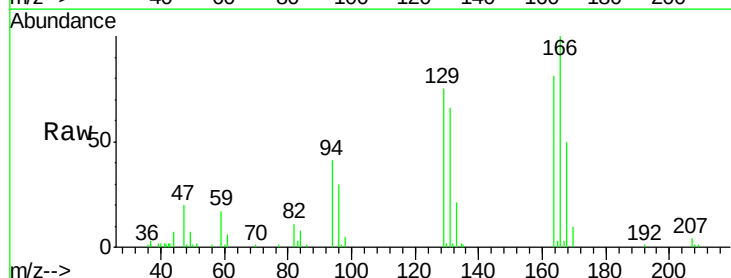
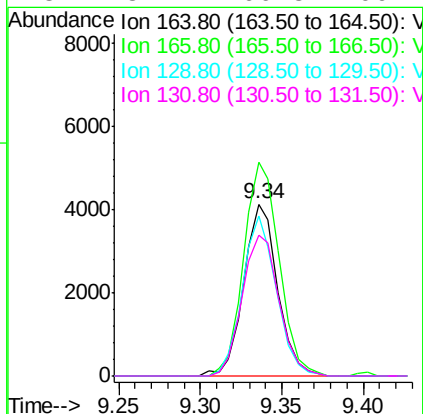
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

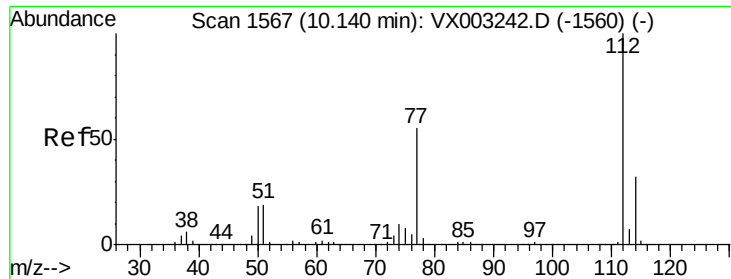
Tot Ion:117 Resp: 326947
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 1.64 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion:164 Resp: 5957
Ion Ratio Lower Upper
164 100
166 124.1 102.9 154.3
129 93.2 68.6 102.8
131 81.7 66.8 100.2

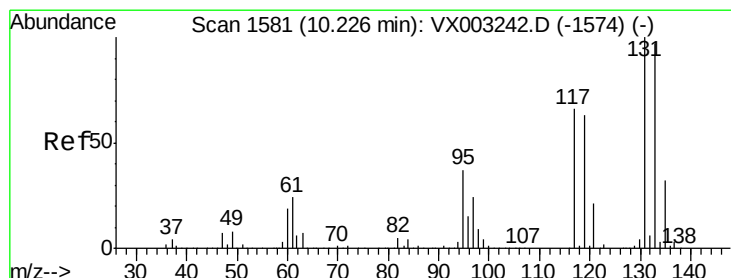
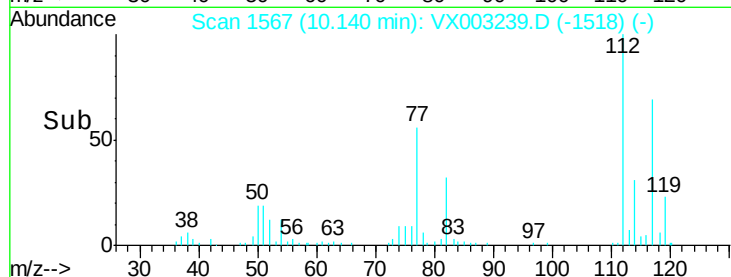
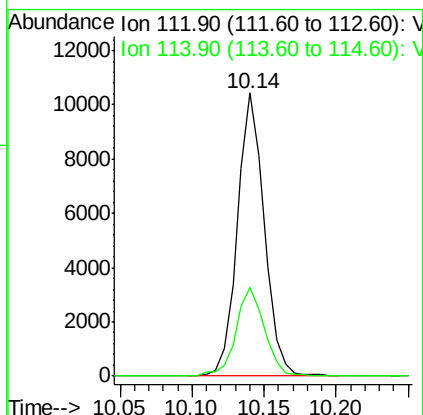
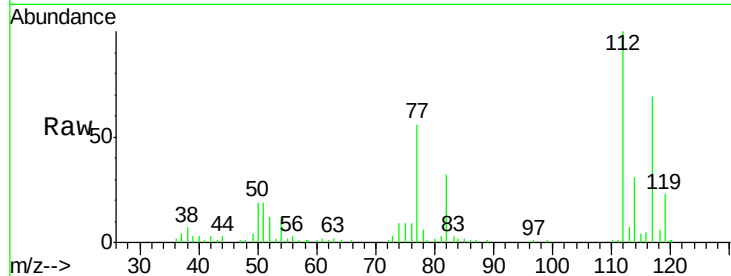




#65
Chlorobenzene
Concen: 1.63 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

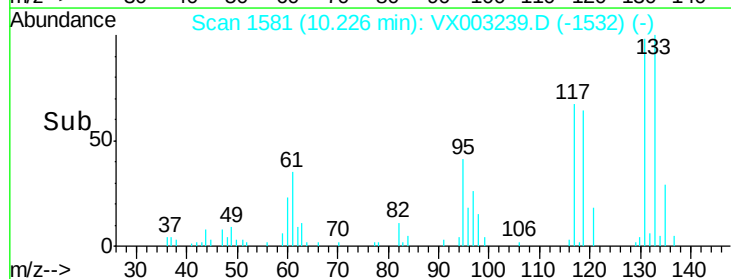
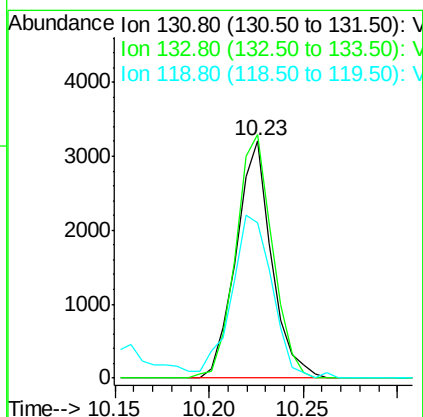
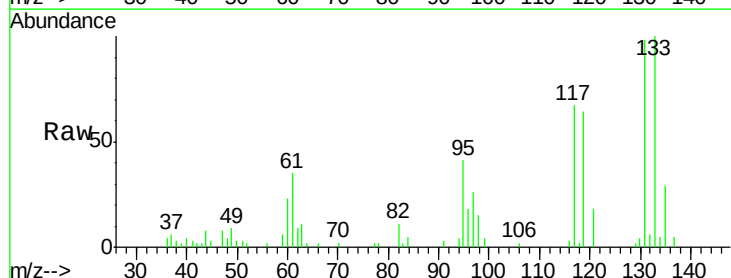
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

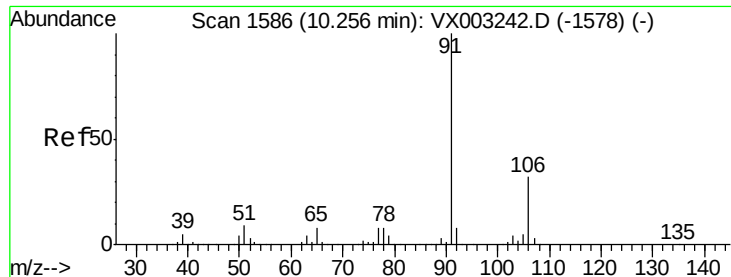
Tot Ion:112 Resp: 13548
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 1.39 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion:131 Resp: 4184
Ion Ratio Lower Upper
131 100
133 106.1 47.9 143.6
119 78.4 31.8 95.3

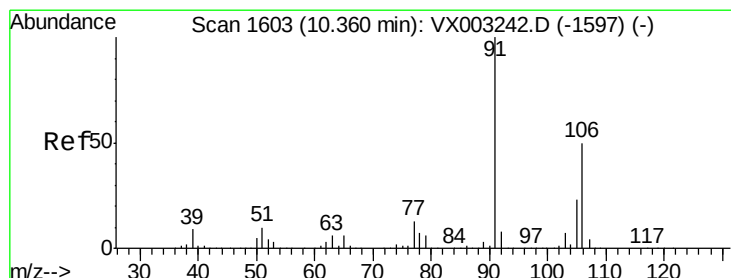
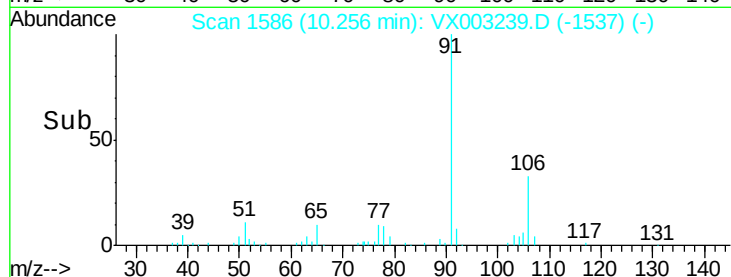
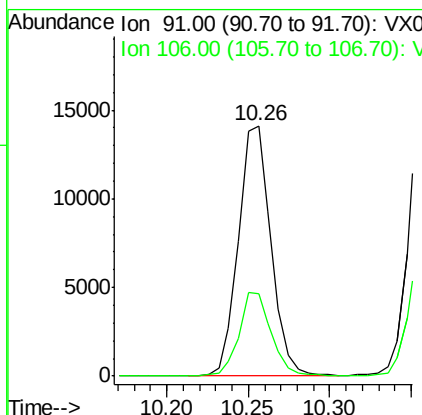
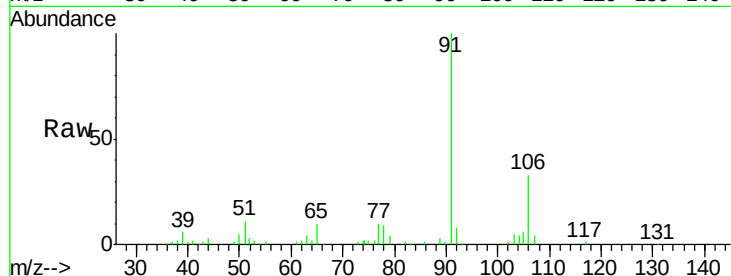




#67
Ethyl Benzene
Concen: 1.44 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

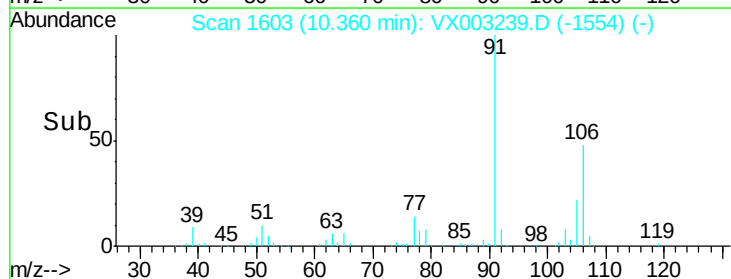
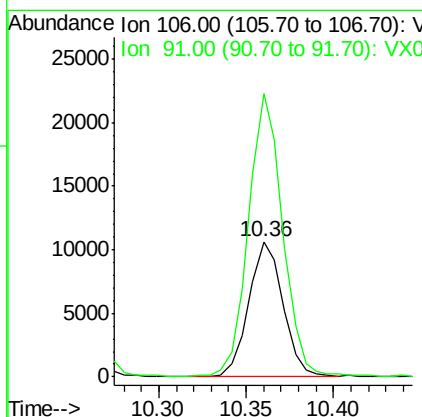
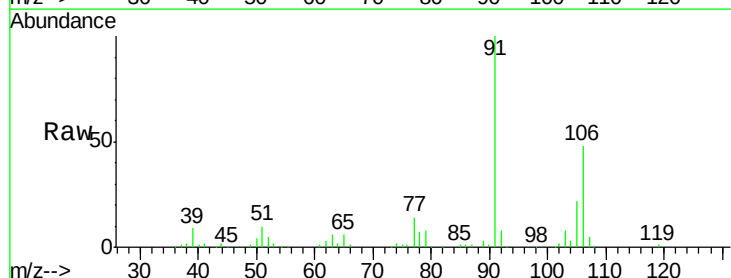
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

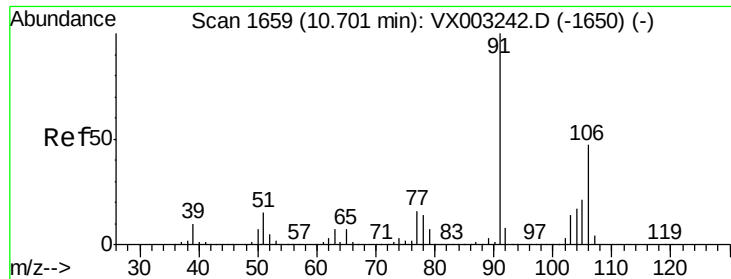
Tot Ion: 91 Resp: 19721
Ion Ratio Lower Upper
91 100
106 32.9 25.5 38.3



#68
m/p-Xylenes
Concen: 2.76 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion: 106 Resp: 14592
Ion Ratio Lower Upper
106 100
91 208.3 163.4 245.2

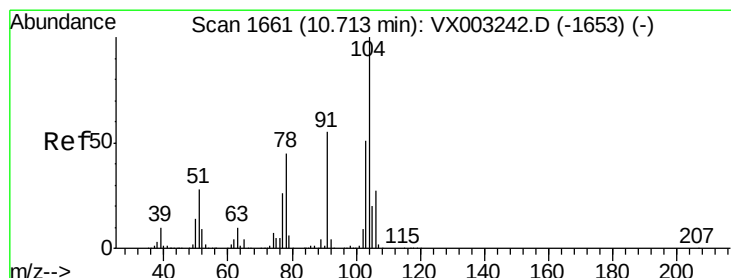
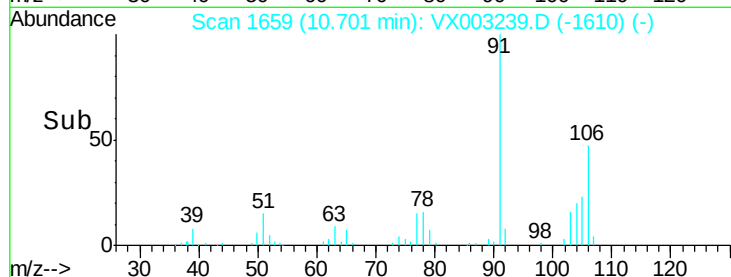
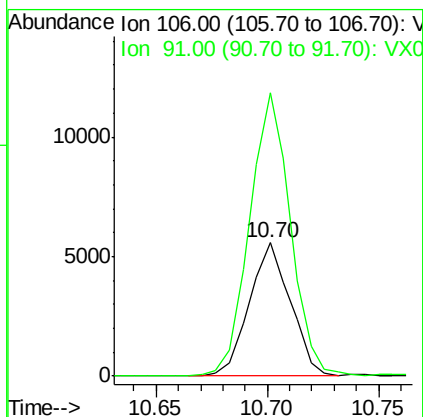
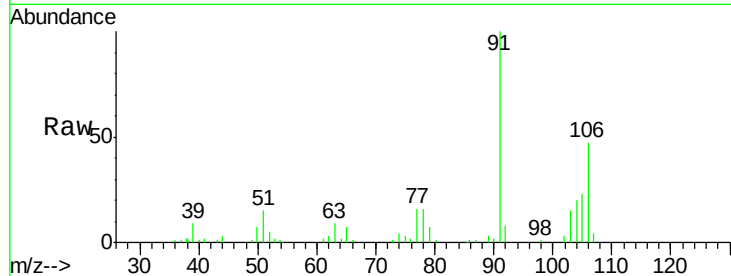




#69
o-Xylene
Concen: 1.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

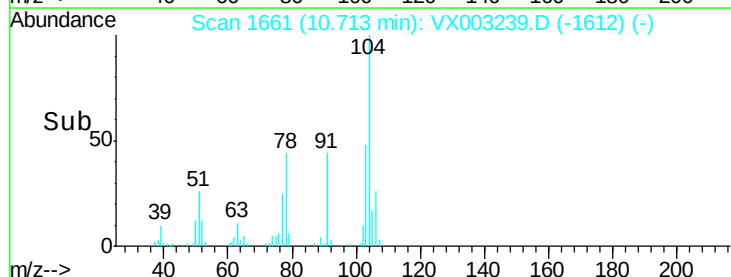
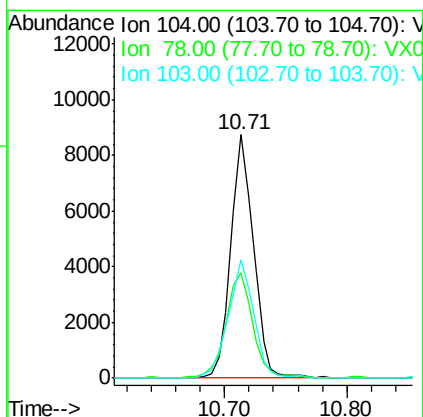
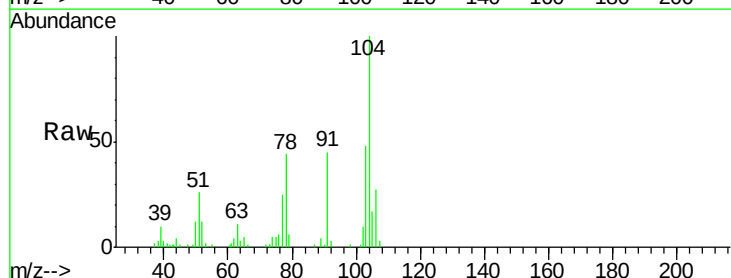
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

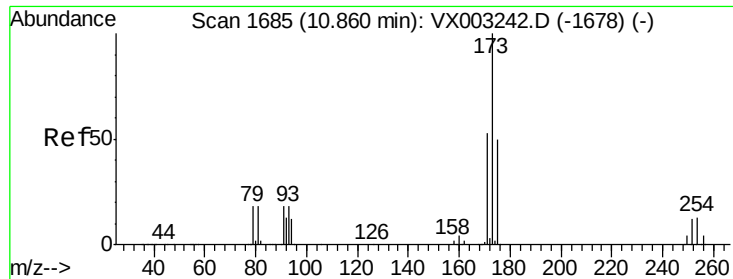
Tot Ion:106 Resp: 7174
Ion Ratio Lower Upper
106 100
91 211.4 108.2 324.6



#70
Styrene
Concen: 1.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion:104 Resp: 11241
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.6
103 54.8 44.2 66.4





#71

Bromoform

Concen: 1.40 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

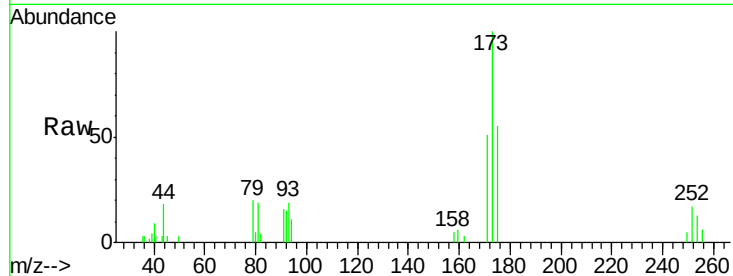
Tot Ion:173 Resp: 3317

Ion Ratio Lower Upper

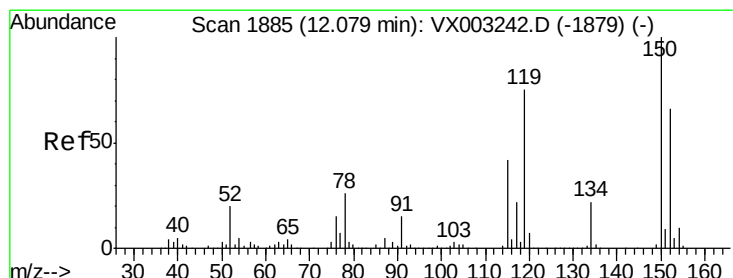
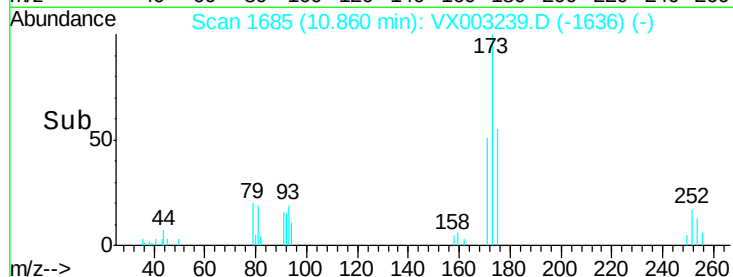
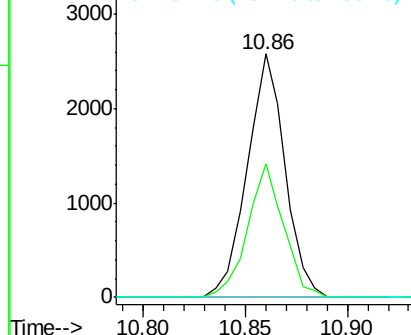
173 100

175 52.4 24.7 74.1

254 0.0 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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

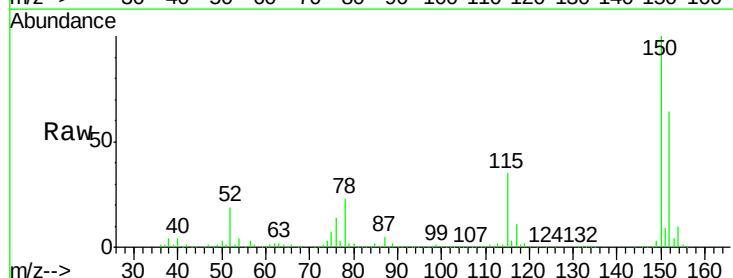
Tgt Ion:152 Resp: 221472

Ion Ratio Lower Upper

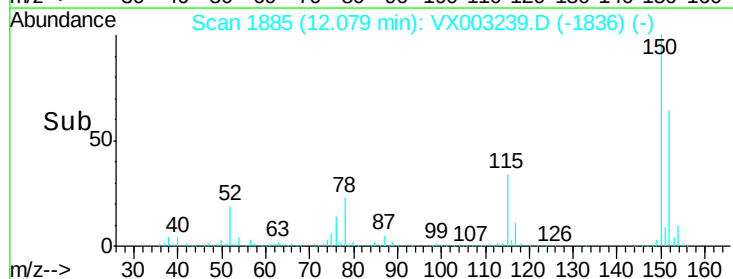
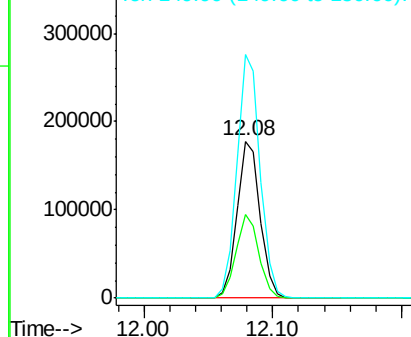
152 100

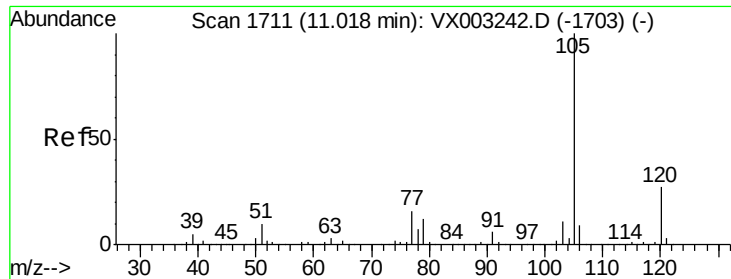
115 53.2 40.1 120.2

150 156.2 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.27 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

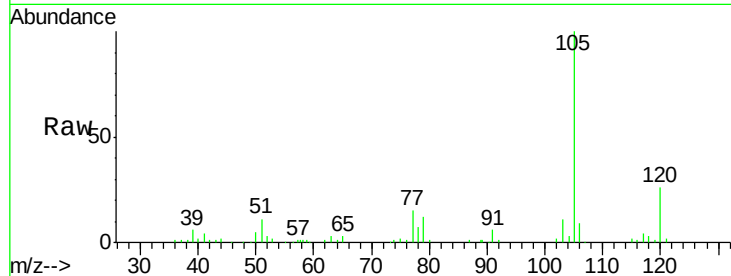
VSTDIC001

Tot Ion:105 Resp: 18952

Ion Ratio Lower Upper

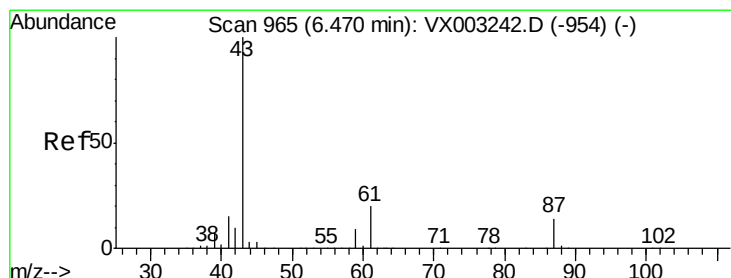
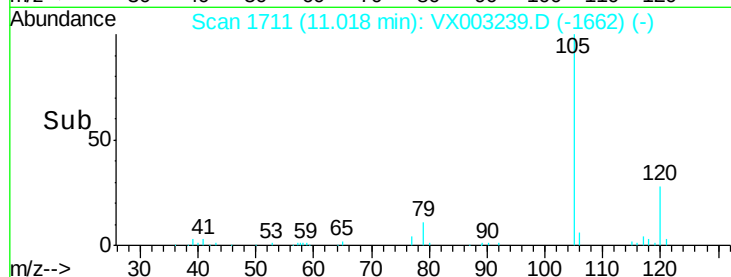
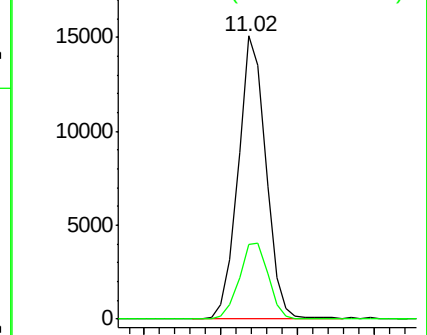
105 100

120 28.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.40 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Tgt Ion: 43 Resp: 10191

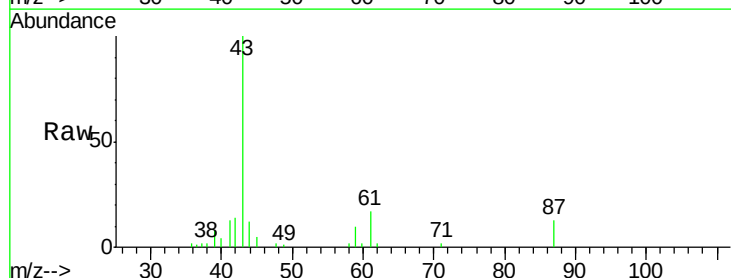
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.5 0.0 0.0#

61 19.3 14.4 21.6

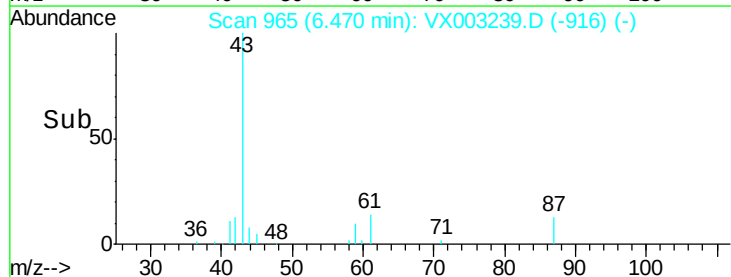
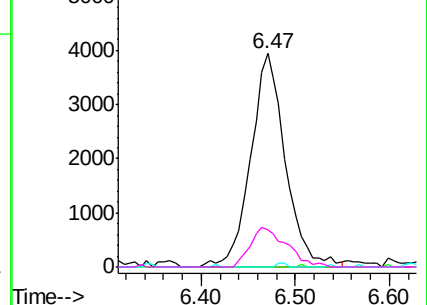


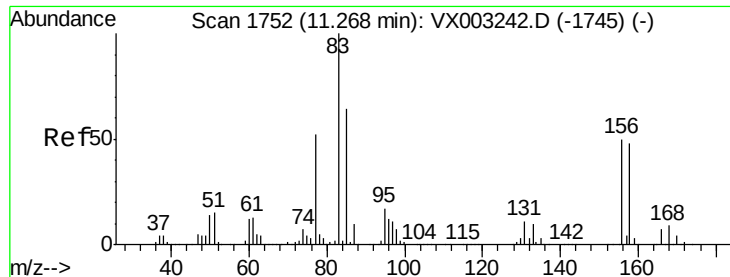
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.34 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

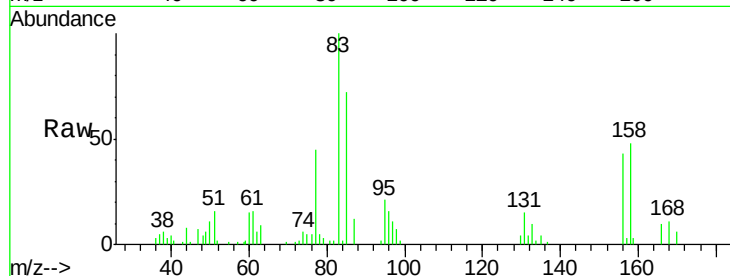
Tot Ion: 83 Resp: 6168

Ion Ratio Lower Upper

83 100

131 14.2 5.6 16.8

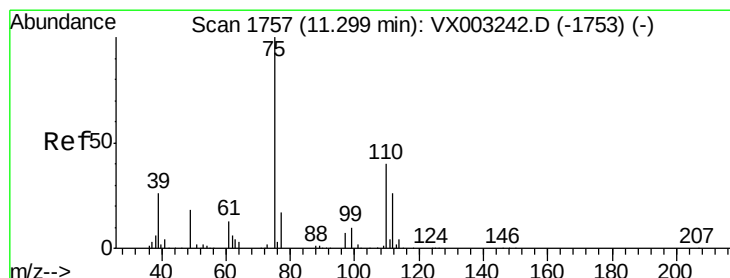
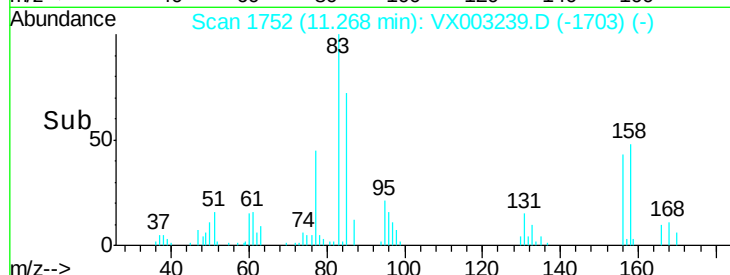
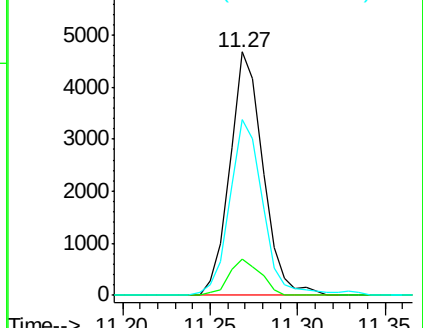
85 73.3 32.4 97.2



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: 1.72 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003239.D

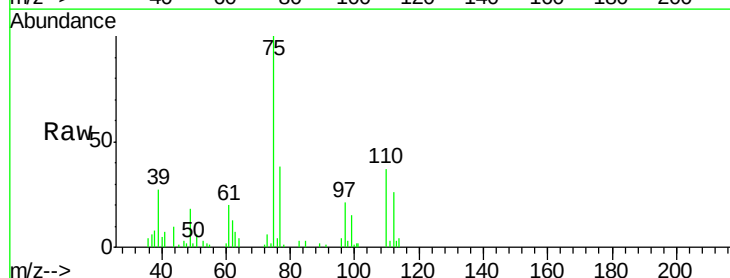
Acq: 09 Jul 2018 11:23

Tgt Ion: 75 Resp: 6903

Ion Ratio Lower Upper

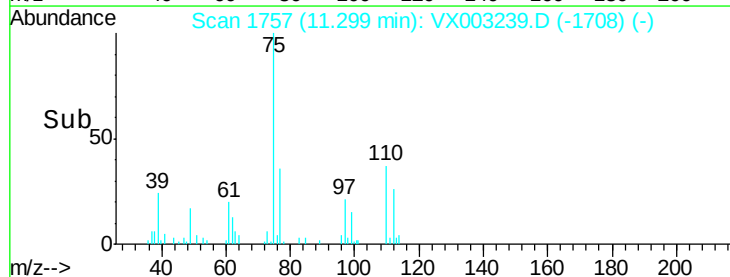
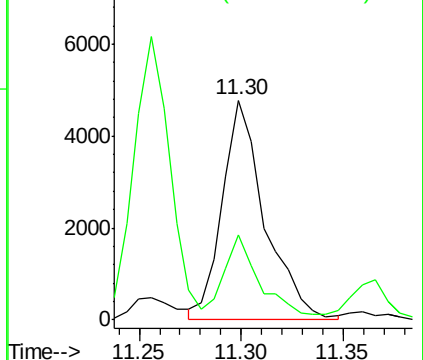
75 100

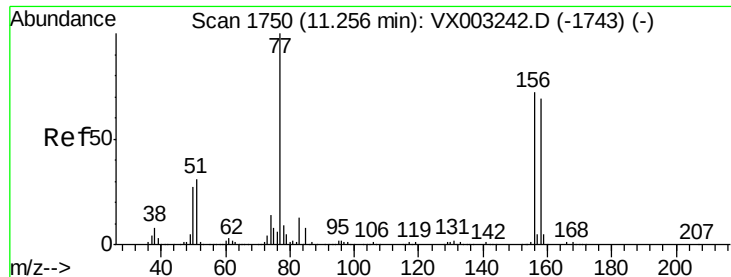
77 34.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 1.34 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

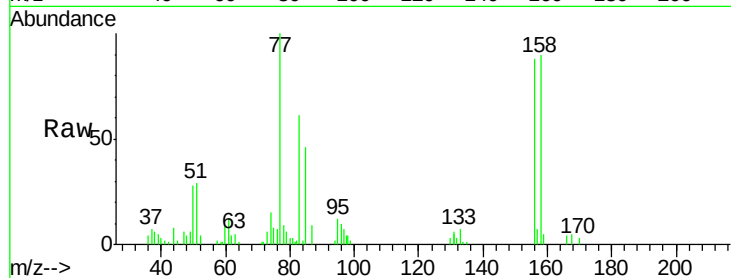
Tot Ion:156 Resp: 5694

Ion Ratio Lower Upper

156 100

77 134.6 71.4 214.2

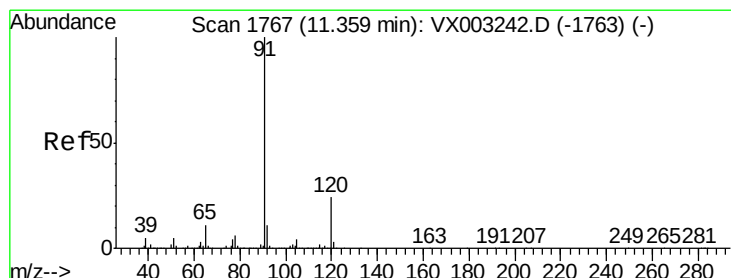
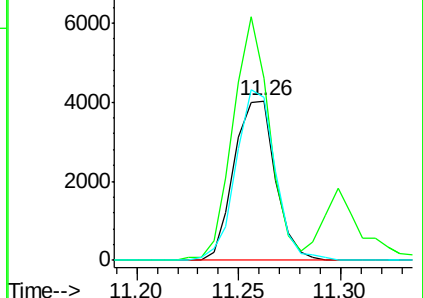
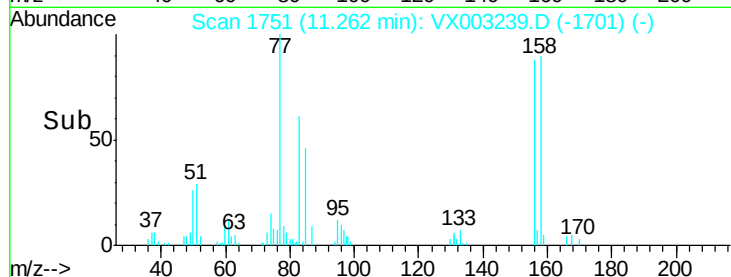
158 101.3 48.9 146.6



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: 1.18 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003239.D

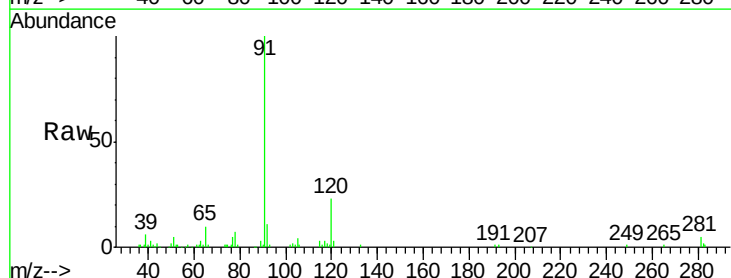
Acq: 09 Jul 2018 11:23

Tgt Ion: 91 Resp: 20015

Ion Ratio Lower Upper

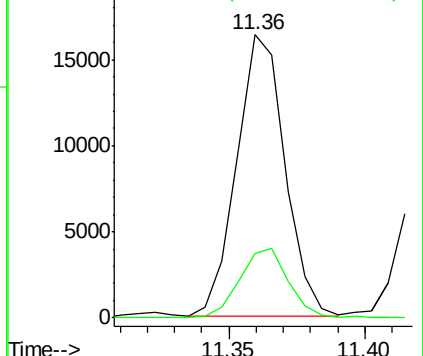
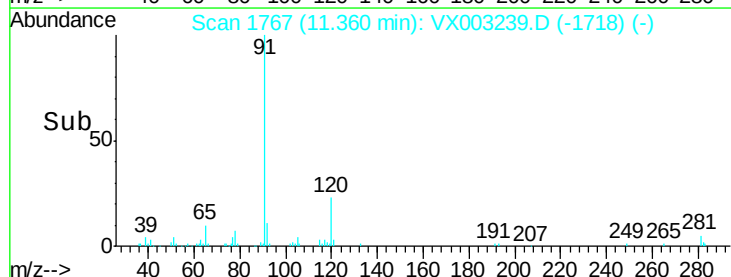
91 100

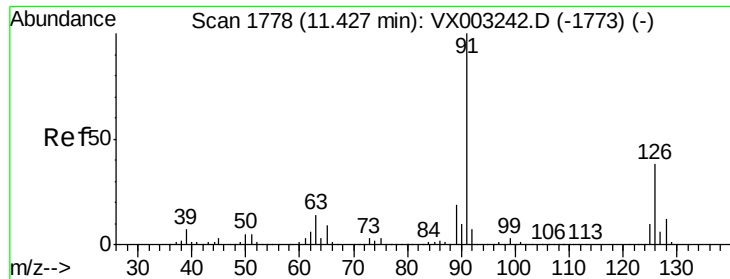
120 25.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

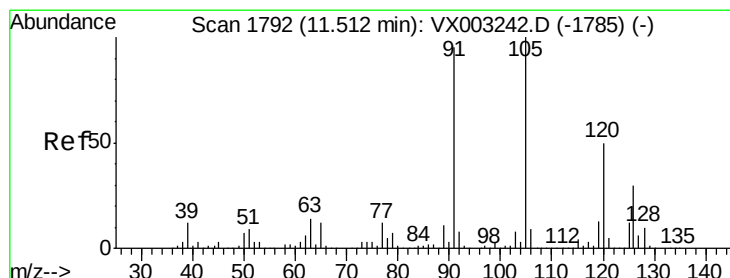
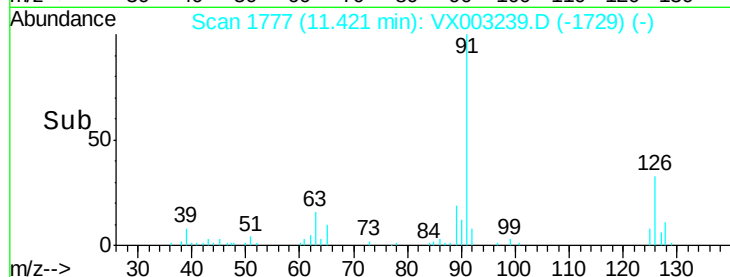
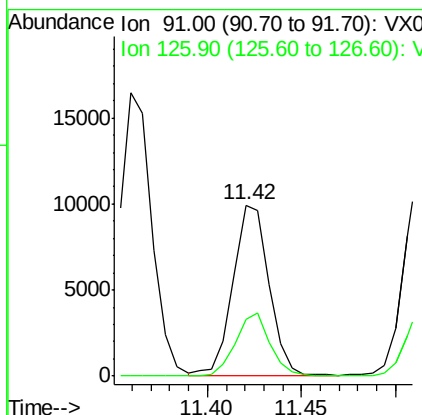
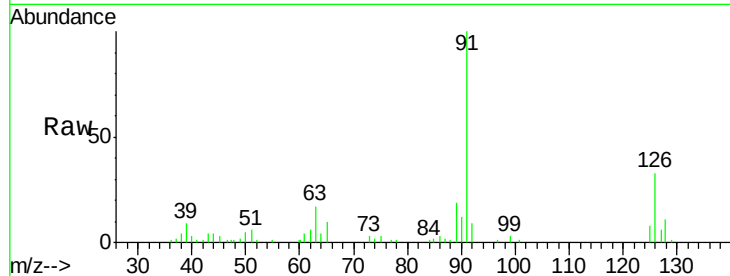




#79
 2-Chlorotoluene
 Concen: 1.27 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

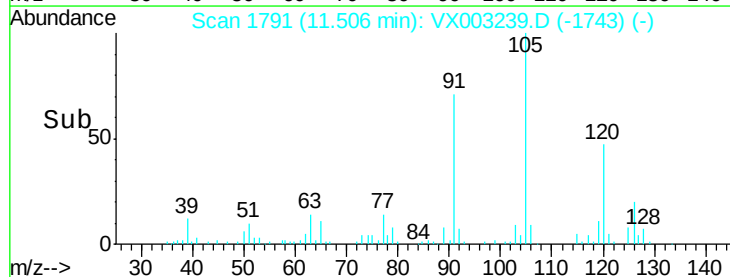
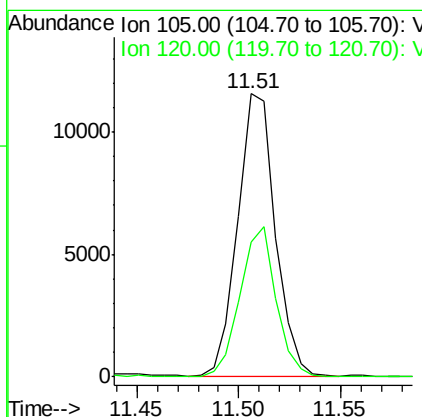
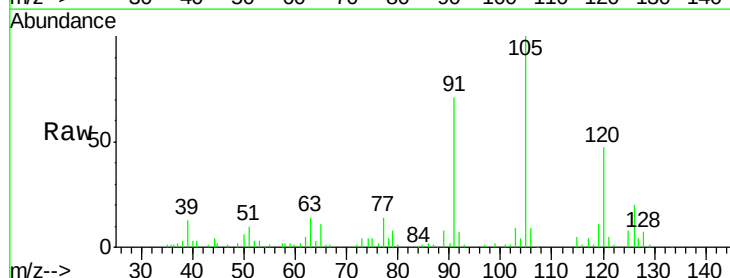
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

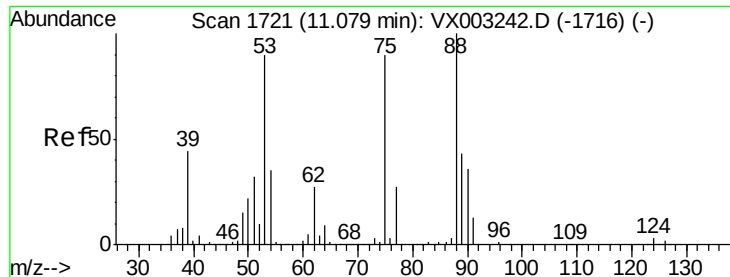
Tot Ion: 91 Resp: 13007
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 1.19 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion: 105 Resp: 14893
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 1.17 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

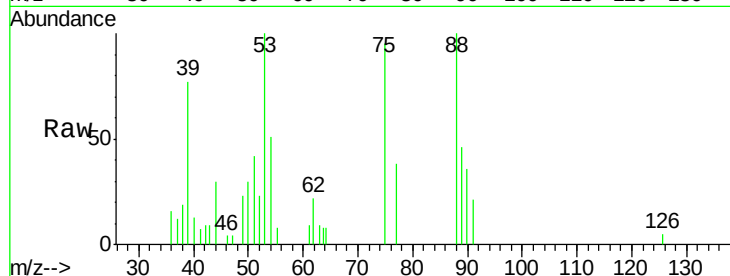
Tot Ion: 75 Resp: 1386

Ion Ratio Lower Upper

75 100

53 127.1 86.8 130.2

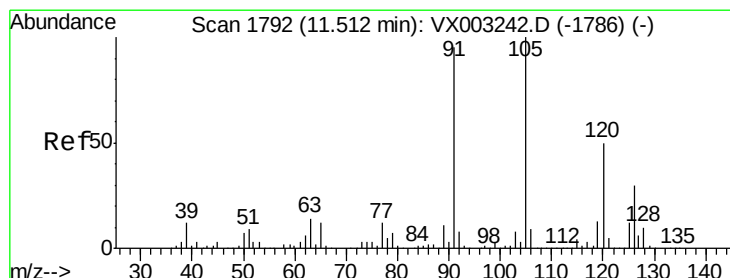
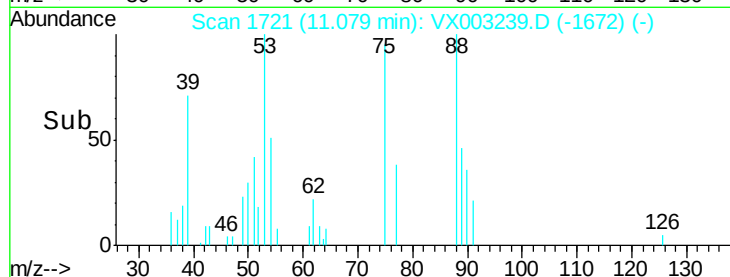
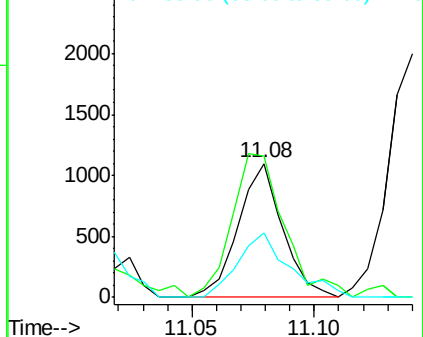
89 56.4 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003239.D

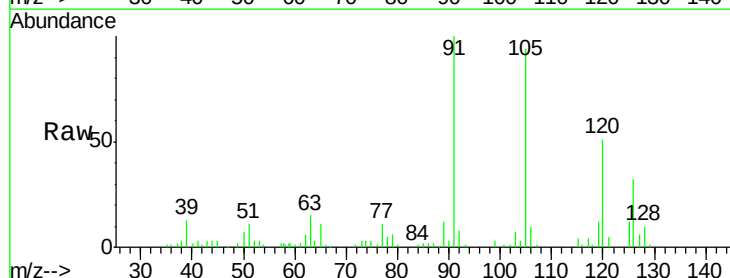
Acq: 09 Jul 2018 11:23

Tgt Ion: 91 Resp: 14788

Ion Ratio Lower Upper

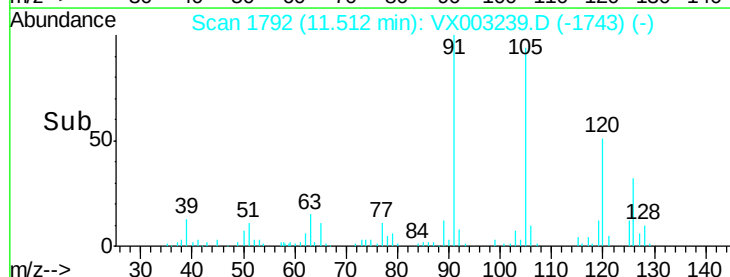
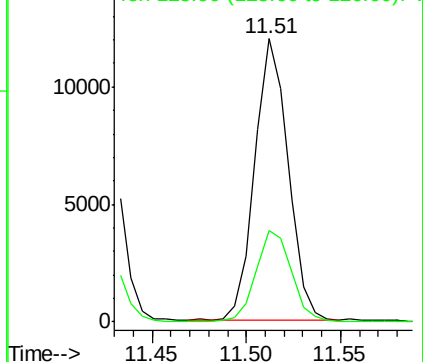
91 100

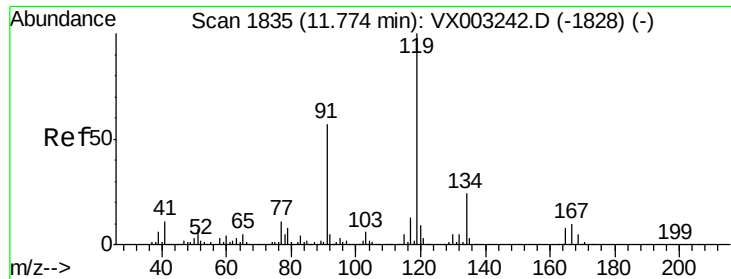
126 34.4 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

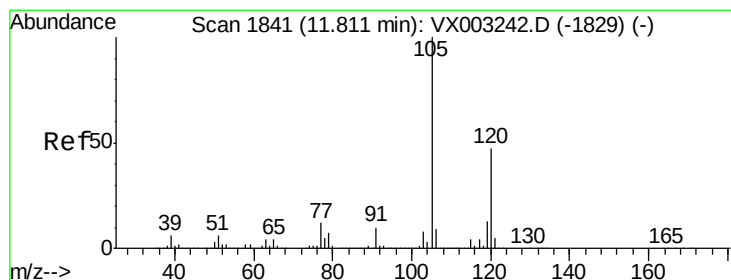
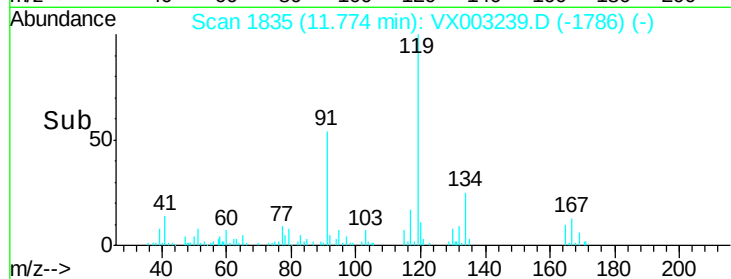
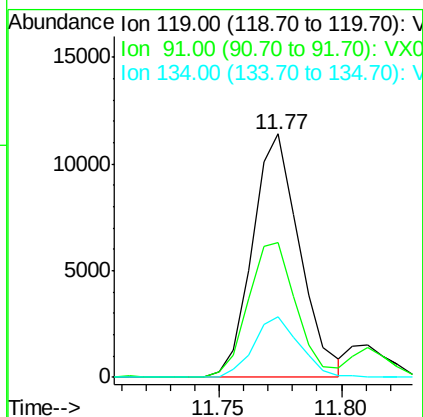
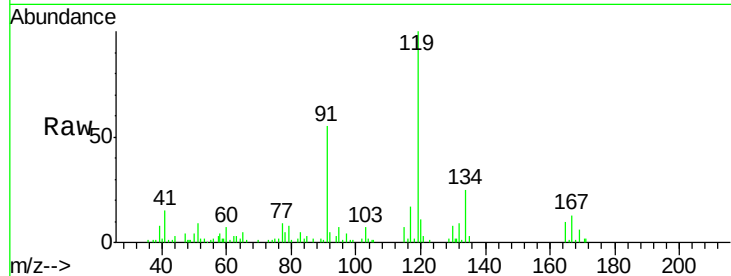




#83
 tert-Butylbenzene
 Concen: 1.24 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

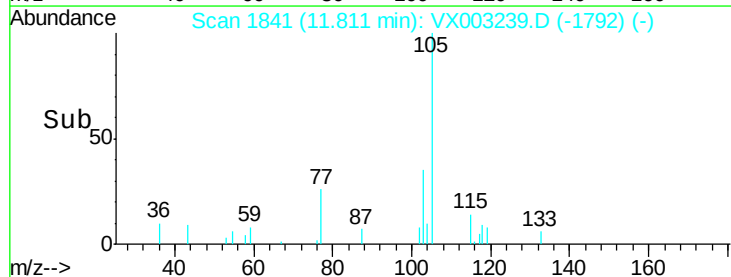
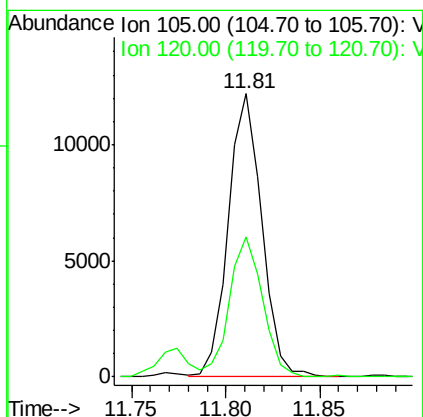
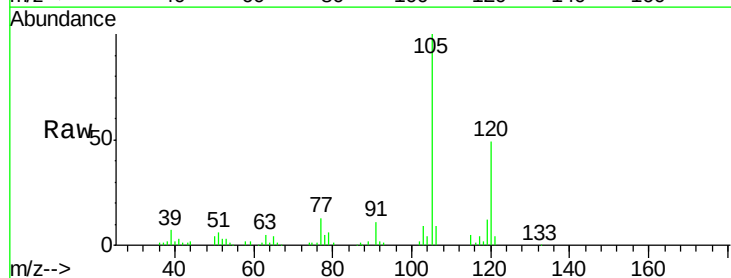
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

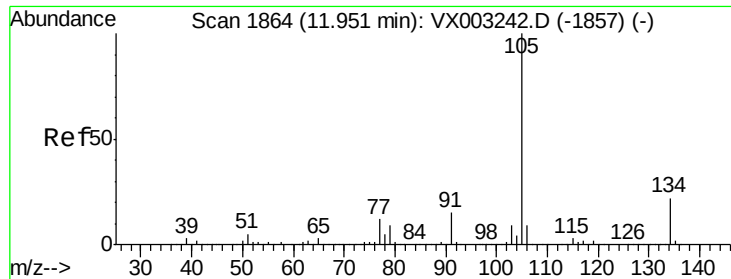
Tot Ion:119 Resp: 15292
 Ion Ratio Lower Upper
 119 100
 91 56.6 30.3 90.9
 134 24.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.16 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion:105 Resp: 15038
 Ion Ratio Lower Upper
 105 100
 120 48.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 1.19 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

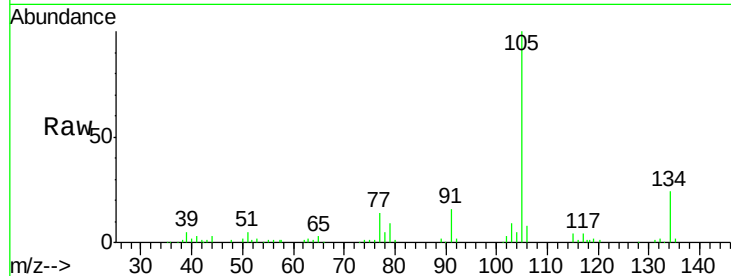
VSTDIC001

Tot Ion:105 Resp: 17827

Ion Ratio Lower Upper

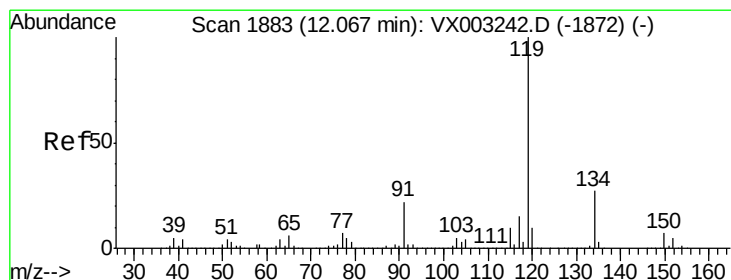
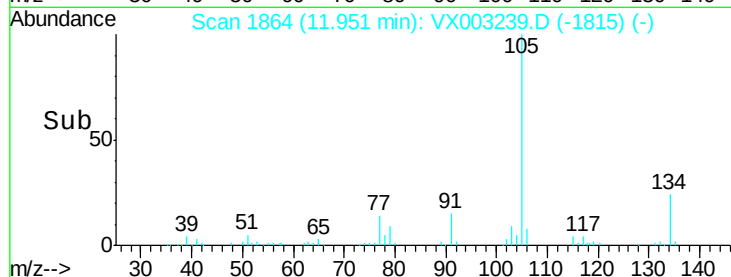
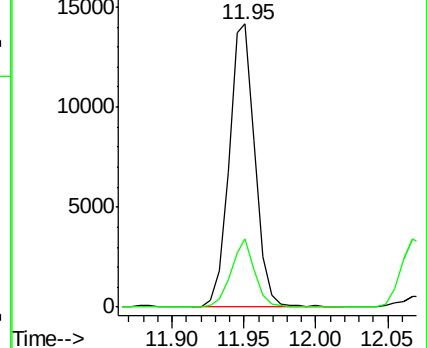
105 100

134 21.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.19 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

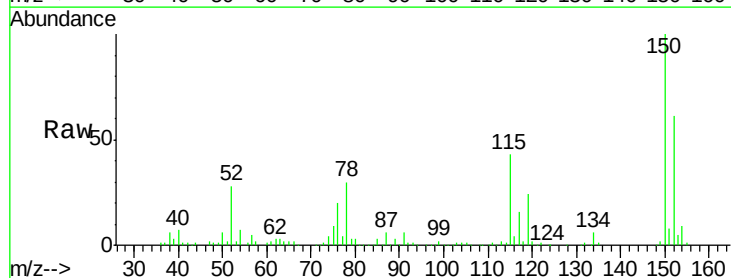
Tgt Ion:119 Resp: 16027

Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

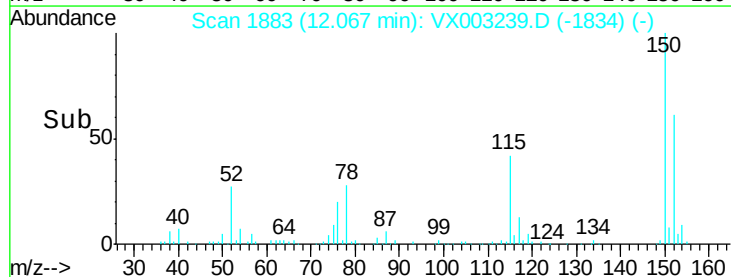
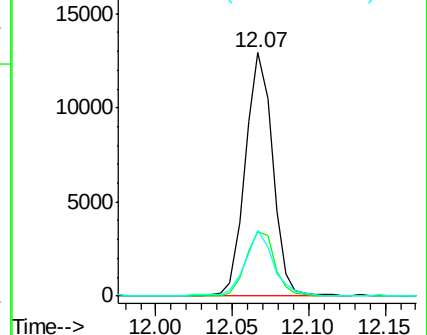
91 28.3 11.9 35.7

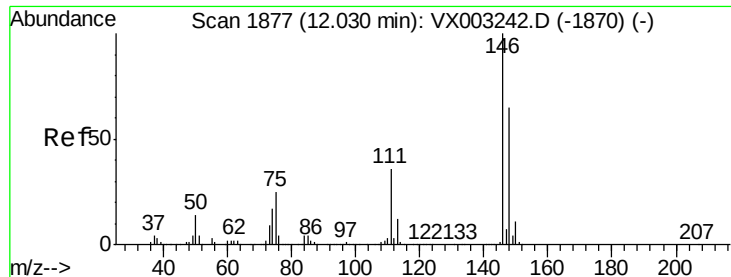


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.44 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

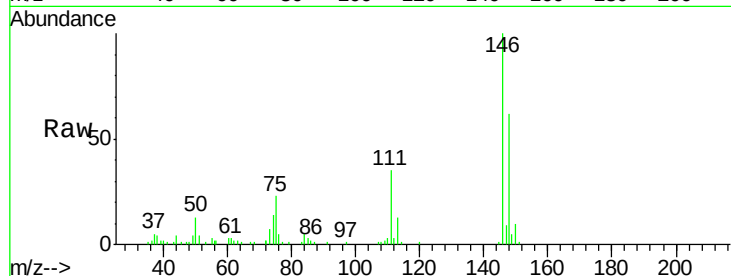
Tot Ion:146 Resp: 11121

Ion Ratio Lower Upper

146 100

111 35.3 18.9 56.7

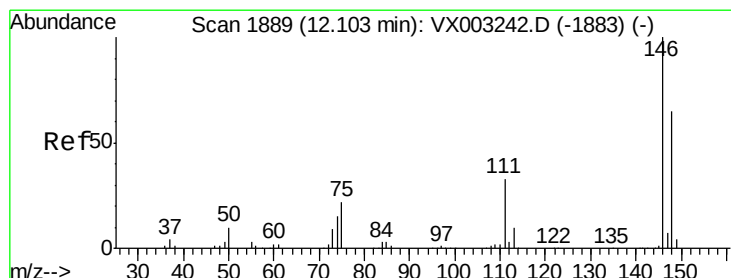
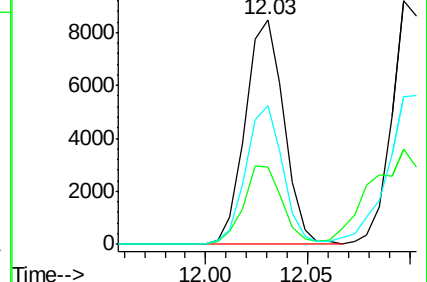
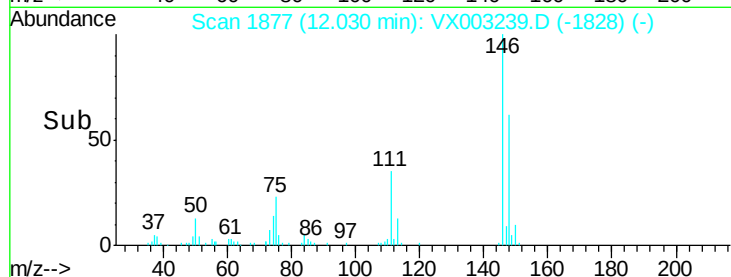
148 59.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.39 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

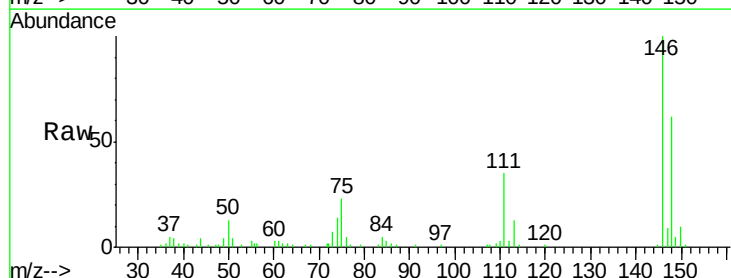
Tgt Ion:146 Resp: 11121

Ion Ratio Lower Upper

146 100

111 35.3 18.7 56.1

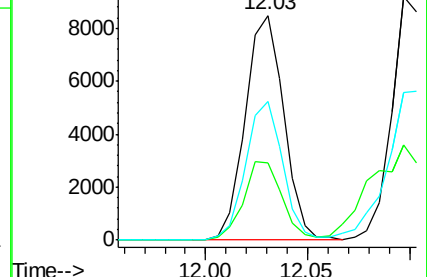
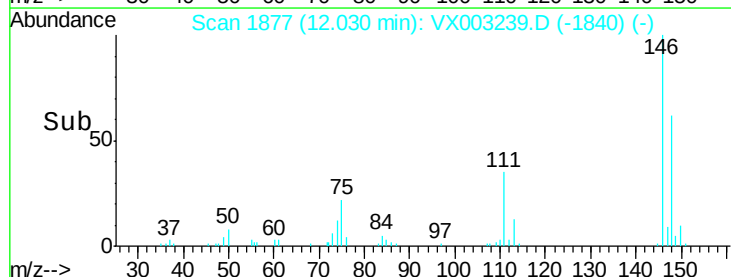
148 59.8 32.4 97.0

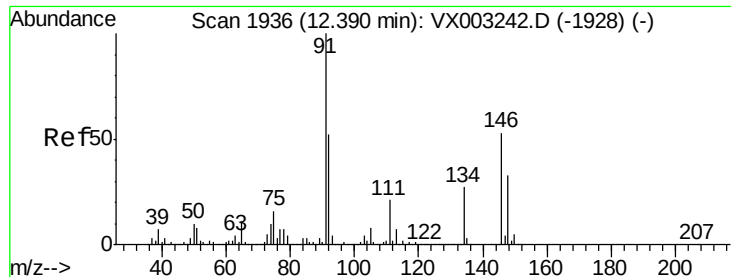


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

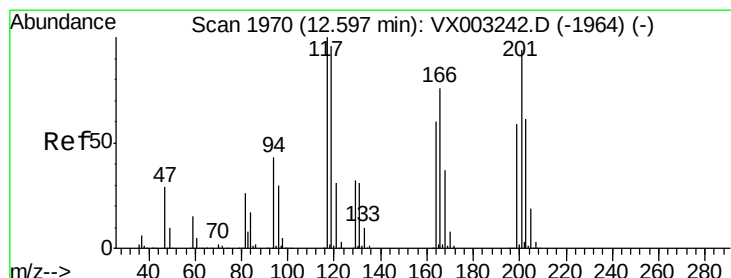
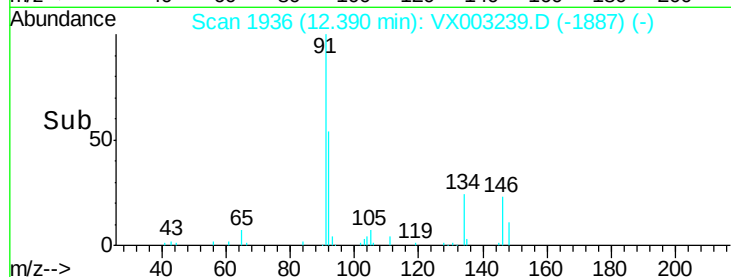
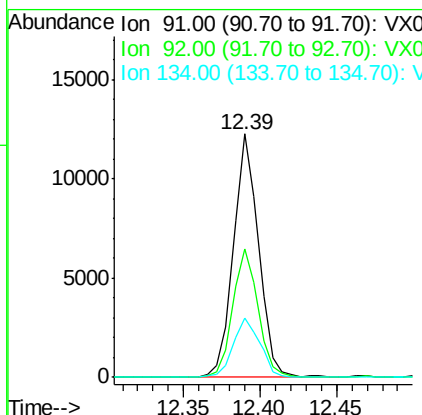
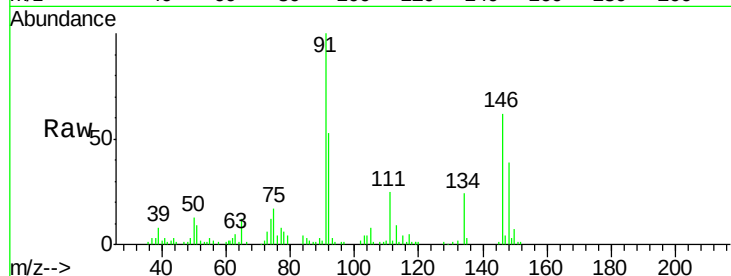




#89
n-Butylbenzene
Concen: 1.19 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

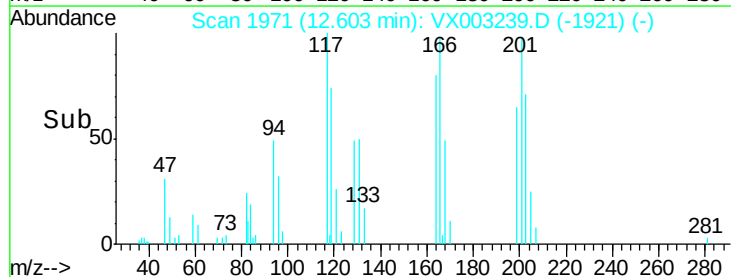
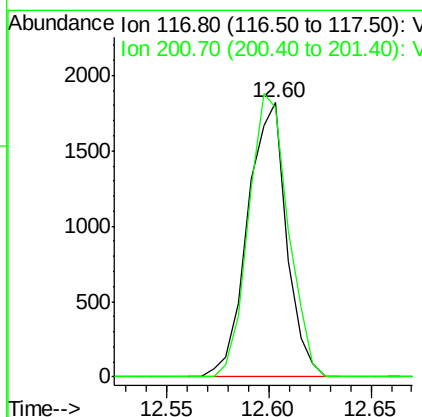
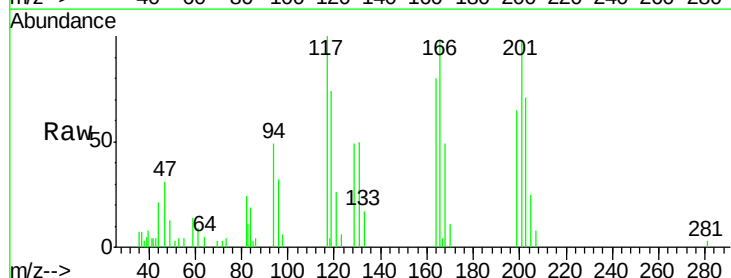
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

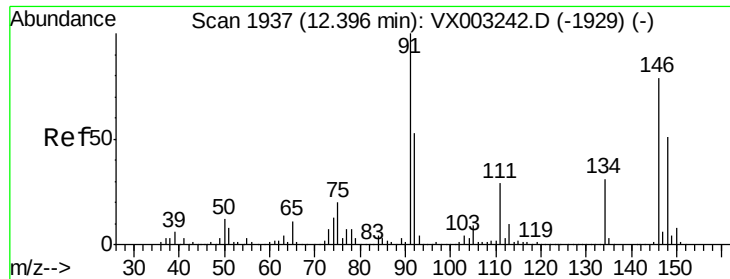
Tot Ion: 91 Resp: 13949
Ion Ratio Lower Upper
91 100
92 53.1 26.0 78.0
134 25.9 13.5 40.5



#90
Hexachloroethane
Concen: 1.20 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion: 117 Resp: 2412
Ion Ratio Lower Upper
117 100
201 105.0 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 1.40 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

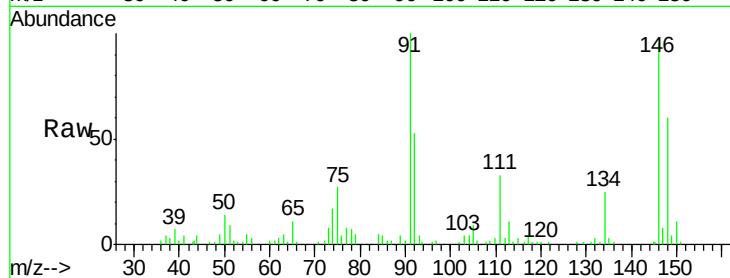
Tot Ion:146 Resp: 10947

Ion Ratio Lower Upper

146 100

111 37.6 19.4 58.1

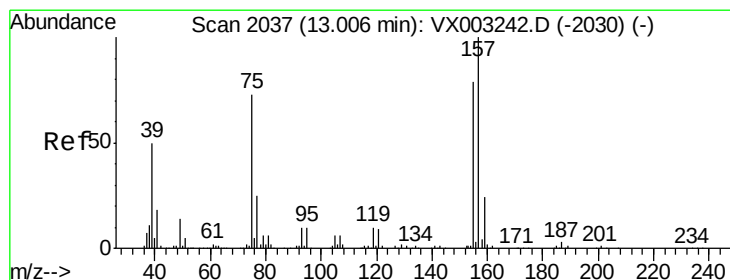
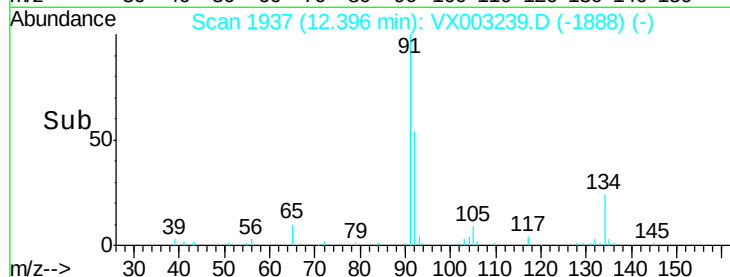
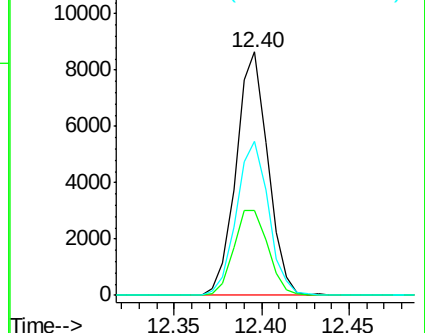
148 64.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.24 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003239.D

Acq: 09 Jul 2018 11:23

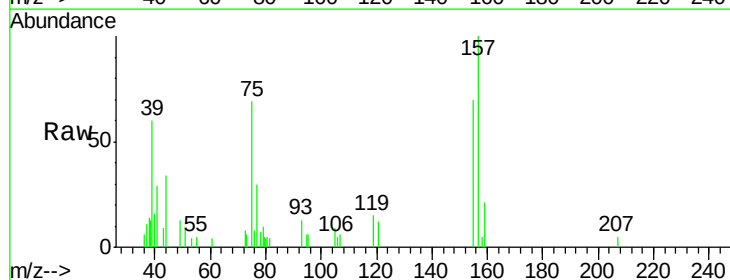
Tgt Ion: 75 Resp: 1278

Ion Ratio Lower Upper

75 100

155 94.0 45.8 137.4

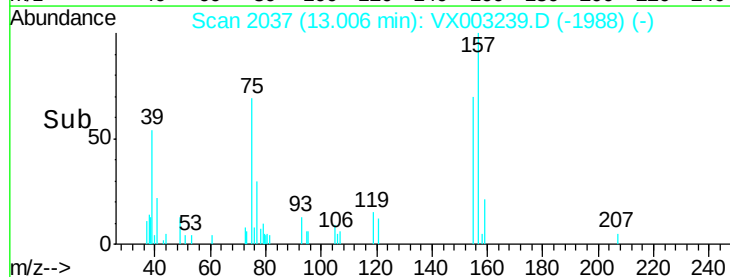
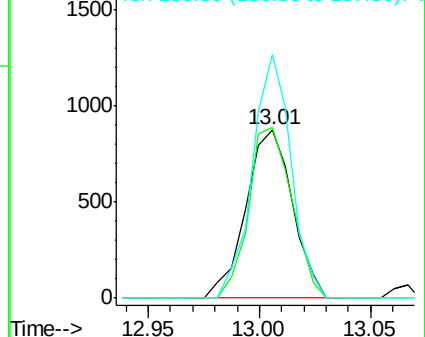
157 120.0 60.1 180.3

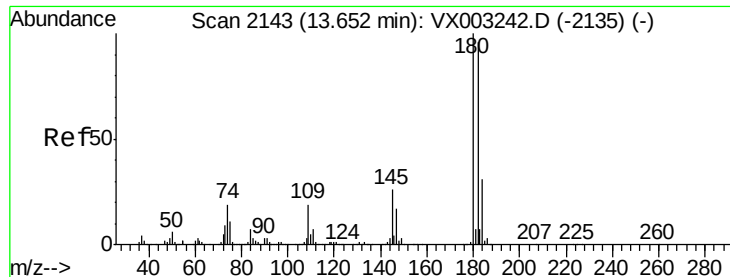


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

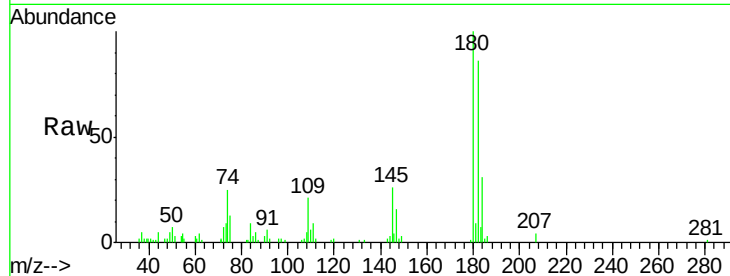




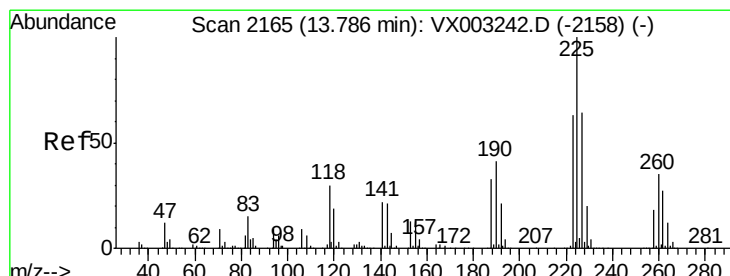
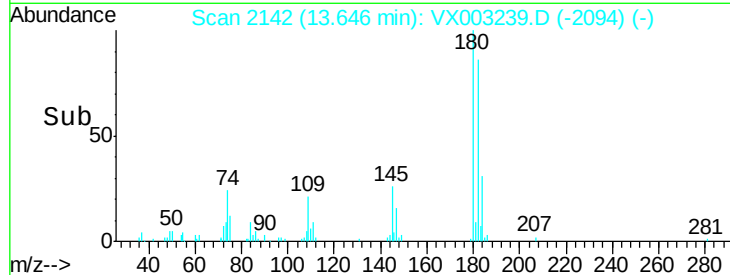
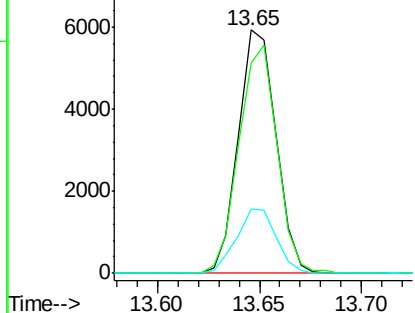
#93
 1,2,4-Trichlorobenzene
 Concen: 1.34 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 7641
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.7 143.1
 145 27.8 14.1 42.4

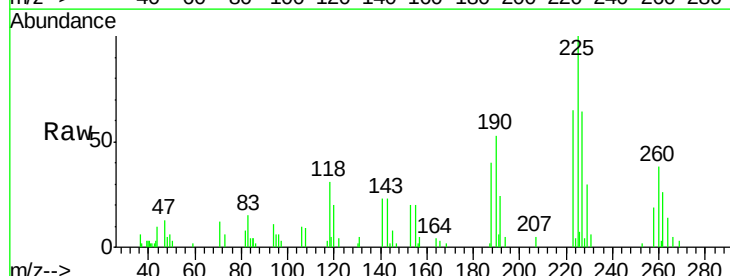


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

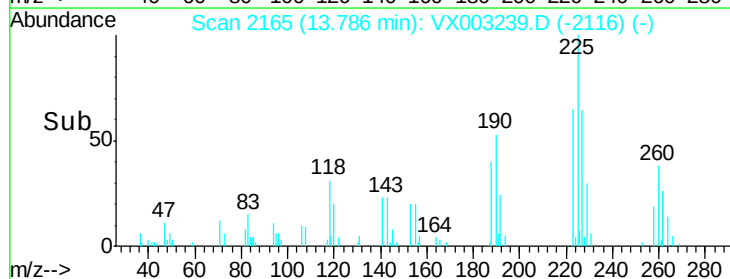
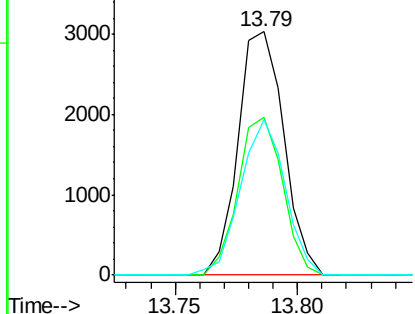


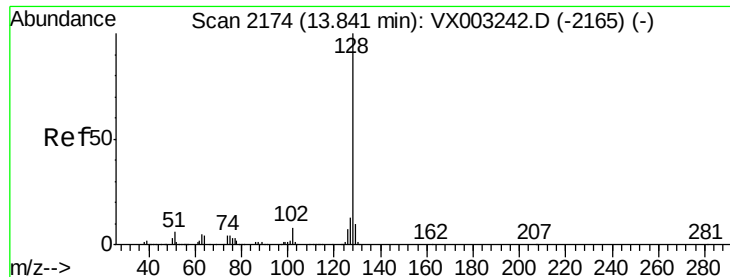
#94
 Hexachlorobutadiene
 Concen: 1.39 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003239.D
 Acq: 09 Jul 2018 11:23

Tgt Ion:225 Resp: 3956
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 95.0
 227 62.5 32.4 97.2



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

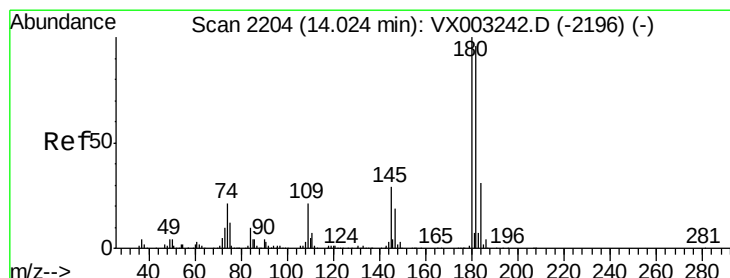
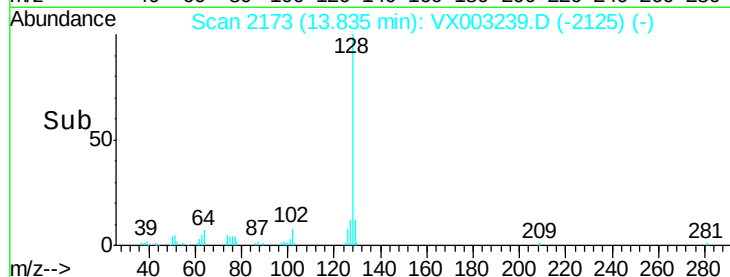
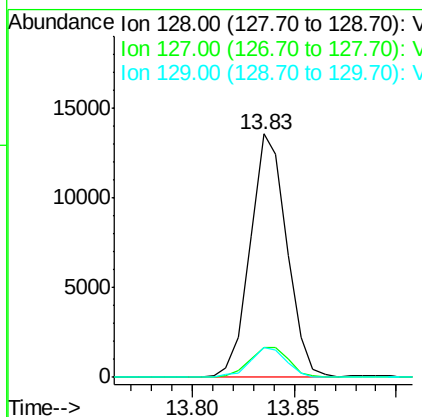
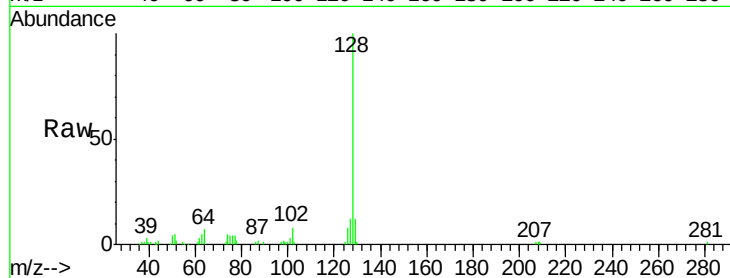




#95
Naphthalene
Concen: 1.12 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.27 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003239.D
Acq: 09 Jul 2018 11:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.0	144.0
145	31.7	14.8	44.3

