

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
 Data File : VX000111.D
 Acq On : 20 Feb 2018 16:30
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Quant Time: Feb 21 05:42:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	16093	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	98850	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	92480	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	38999	31.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.27%
60) 4-Bromofluorobenzene	11.15	95	45602	30.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.00%
63) Toluene-d8	8.73	98	119971	30.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	10813	11.08	ug/l	95
3) Chloromethane	1.32	50	10854	10.72	ug/l	96
4) Vinyl Chloride	1.40	62	12845	10.80	ug/l	98
5) Bromomethane	1.65	94	11250	10.50	ug/l	98
6) Chloroethane	1.73	64	8273	11.05	ug/l	98
7) Trichlorofluoromethane	1.93	101	22198	10.93	ug/l	99
8) Diethyl Ether	2.20	74	7503	10.10	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12577	11.19	ug/l	98
10) 1,1-Dichloroethene	2.38	96	11746	10.89	ug/l	96
11) Methyl Iodide	2.51	142	9409	10.86	ug/l	91
12) Methyl Acetate	2.79	43	20762	10.80	ug/l	98
13) Acrolein	2.30	56	11991	54.65	ug/l	97
14) Acrylonitrile	3.16	53	44608	53.44	ug/l	99
15) Acetone	2.45	58	14454	50.79	ug/l	97
16) Carbon Disulfide	2.57	76	32334	10.66	ug/l	96
17) Allyl chloride	2.73	41	19152	10.57	ug/l	99
18) Methylene Chloride	2.86	84	12950	11.27	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	12644	10.92	ug/l	95
20) Diisopropyl ether	3.89	45	28565	10.32	ug/l #	96
21) 1,1-Dichloroethane	3.70	63	19831	10.07	ug/l	99
22) cis-1,2-Dichloroethene	4.61	96	11172	10.38	ug/l	97
23) tert-Butyl Alcohol	3.09	59	24779	51.03	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	39772	10.79	ug/l	99
25) Chloroform	5.23	83	19740	10.59	ug/l	95
26) Cyclohexane	5.58	56	15654	10.66	ug/l #	98
29) 1,1-Dichloropropene	5.81	75	14987	10.52	ug/l	98
30) 2-Butanone	4.73	43	56627	49.74	ug/l	100
31) 2,2-Dichloropropane	4.60	77	16205	10.55	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	17355	10.01	ug/l	99
33) Carbon Tetrachloride	5.79	117	15642	10.22	ug/l	95
34) Benzene	6.15	78	42670	10.25	ug/l	93
35) Methacrylonitrile	5.07	41	10420	10.27	ug/l	93
36) 1,2-Dichloroethane	6.21	62	16302	10.37	ug/l #	89
37) Trichloroethene	7.23	130	12168	9.83	ug/l	95
38) Methylcyclohexane	7.47	83	18032	10.74	ug/l	98
39) 1,2-Dichloropropane	7.53	63	10234	9.73	ug/l	99
40) Dibromomethane	7.68	93	8055	10.19	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.91	83	15023	9.85	ug/l #	94
42) Vinyl Acetate	3.84	43	136098	49.73	ug/l	99
43) Ethyl Acetate	4.89	43	19537	9.82	ug/l	100
44) Isopropyl Acetate	6.49	43	28915	10.18	ug/l	98
45) 1,4-Dioxane	7.78	88	6905	196.28	ug/l	99
46) Methyl methacrylate	7.79	41	14400	10.38	ug/l	100
47) n-amyl Acetate	10.91	43	24367	9.98	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	17401	9.72	ug/l	96
49) cis-1,3-Dichloropropene	9.05	75	16650	9.62	ug/l	94
50) 1,1,2-Trichloroethane	9.23	97	11842	10.38	ug/l	96
51) Ethyl methacrylate	9.20	69	17795	10.24	ug/l	96
52) 1,3-Dichloropropane	9.38	76	18660	9.84	ug/l	99
53) Dibromochloromethane	9.59	129	12199	9.44	ug/l	96
54) 1,2-Dibromoethane	9.68	107	12914	9.93	ug/l	96
55) 2-Chloroethyl vinyl ether	8.32	63	40893	46.15	ug/l	99
56) Bromoform	10.87	173	9537	9.29	ug/l	99
58) 4-Methyl-2-Pentanone	8.67	43	102138	49.02	ug/l	99
59) 2-Hexanone	9.51	43	86246	48.61	ug/l	99
61) Tetrachloroethene	9.35	164	11138	9.90	ug/l	95
62) Toluene	8.79	91	49435	10.17	ug/l	99
64) Chlorobenzene	10.15	112	33092	10.21	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	11580	10.02	ug/l	99
66) Ethyl Benzene	10.26	91	56161	10.06	ug/l	95
67) m/p-Xylenes	10.37	106	43001	20.08	ug/l	100
68) o-Xylene	10.71	106	20944	9.91	ug/l	100
69) Styrene	10.72	104	34175	9.78	ug/l	99
70) Isopropylbenzene	11.02	105	56659	9.93	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.28	83	19627	9.97	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	23353	12.92	ug/l	84
73) Bromobenzene	11.26	156	14566	9.88	ug/l	98
74) n-propylbenzene	11.37	91	66112	9.89	ug/l	99
75) 2-Chlorotoluene	11.43	91	38263	9.80	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	47676	9.89	ug/l	70
77) t-1,4-Dichloro-2-butene	11.09	75	5607	8.89	ug/l	90
78) 4-Chlorotoluene	11.52	91	46199	10.03	ug/l	100
79) tert-butylbenzene	12.07	119	51648	10.66	ug/l	96
80) 1,2,4-Trimethylbenzene	11.82	105	47897	9.59	ug/l	99
81) sec-Butylbenzene	11.96	105	58992	9.84	ug/l	100
82) p-Isopropyltoluene	12.07	119	51648	9.63	ug/l	99
83) 1,3-Dichlorobenzene	12.04	146	27627	9.74	ug/l	98
84) 1,4-Dichlorobenzene	12.11	146	28848	9.88	ug/l	99
85) n-Butylbenzene	12.40	91	49030	9.78	ug/l	99
86) Hexachloroethane	12.60	117	8435	9.61	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	26853	9.44	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	5481	10.01	ug/l	91
89) 1,2,4-Trichlorobenzene	13.65	180	19561	9.60	ug/l	99
90) Hexachlorobutadiene	13.79	225	8411	9.91	ug/l	97
91) Naphthalene	13.84	128	70233	9.61	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	19789	9.54	ug/l	99

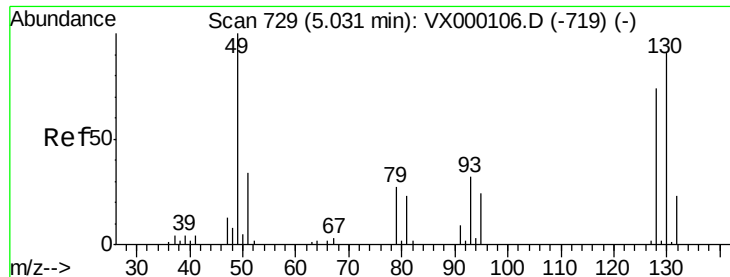
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
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ClientSampleId :
VSTDICC010

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QLast Update : Wed Feb 21 05:38:14 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

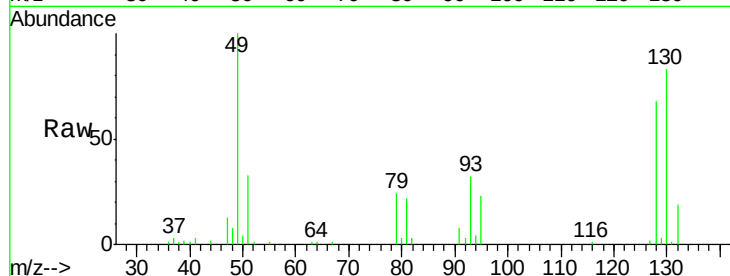
Tgt Ion:128 Resp: 16093

Ion Ratio Lower Upper

128 100

49 151.4 0.0 378.3

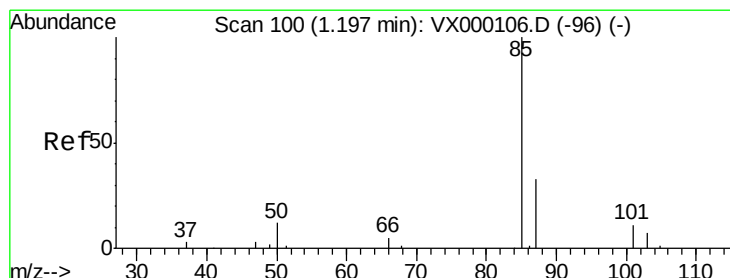
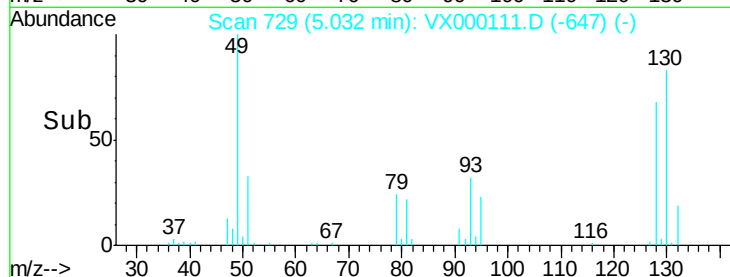
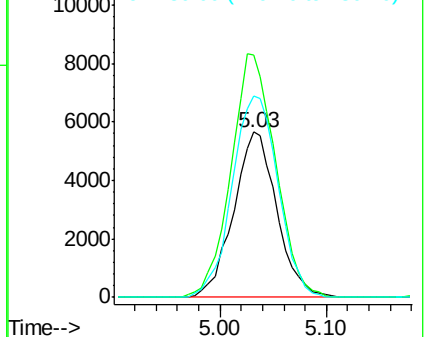
130 129.3 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000111.D

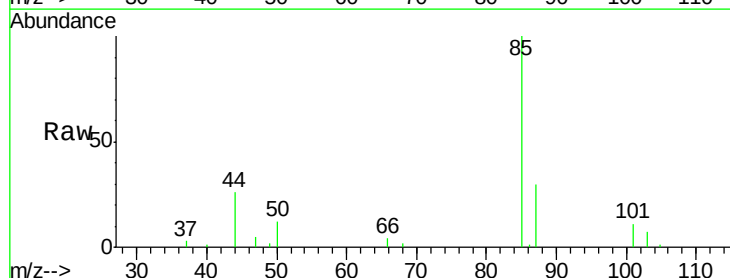
Acq: 20 Feb 2018 16:30

Tgt Ion: 85 Resp: 10813

Ion Ratio Lower Upper

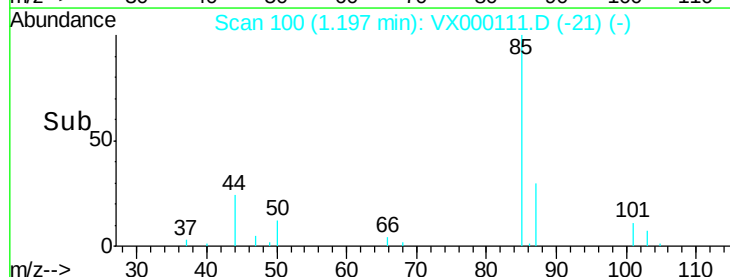
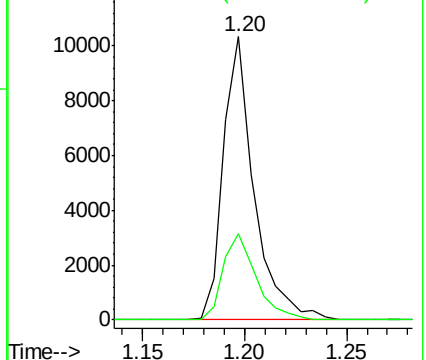
85 100

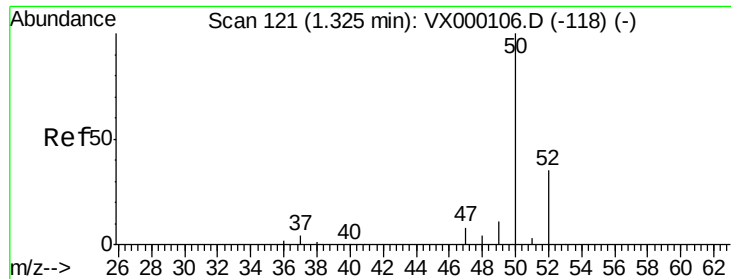
87 30.4 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

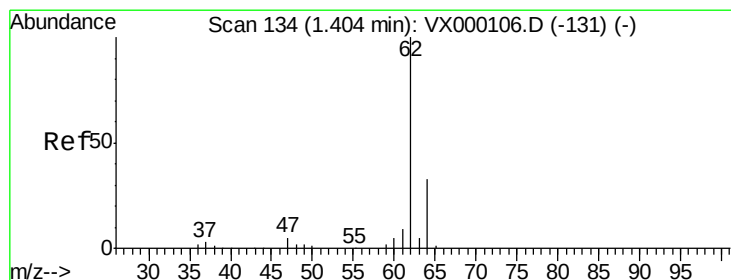
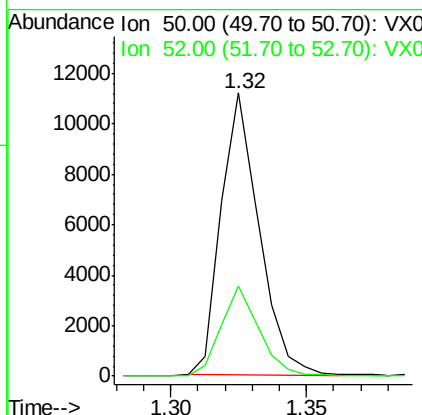
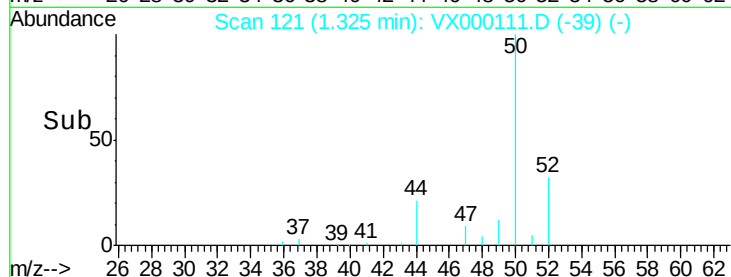
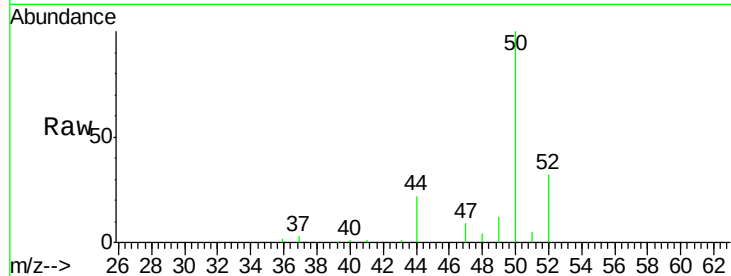




#3
 Chloromethane
 Concen: 10.72 ug/l
 RT: 1.32 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

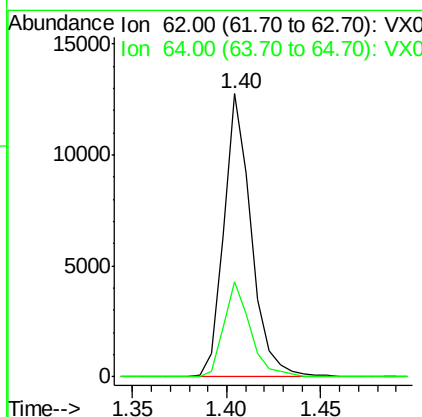
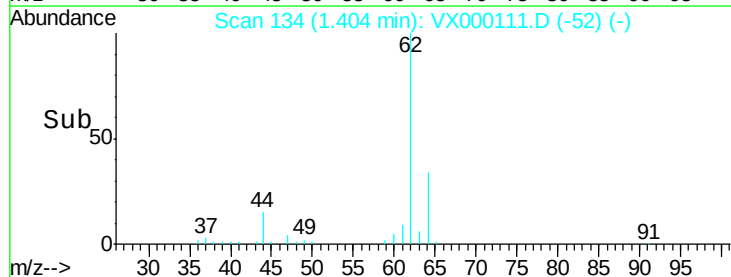
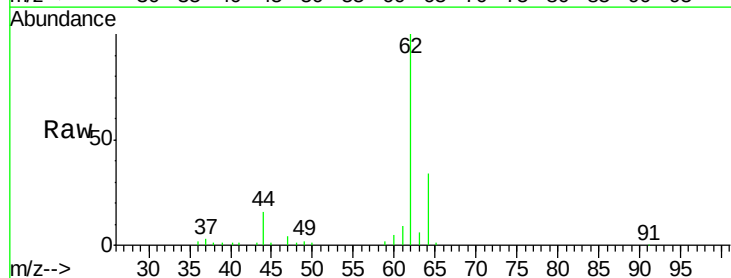
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

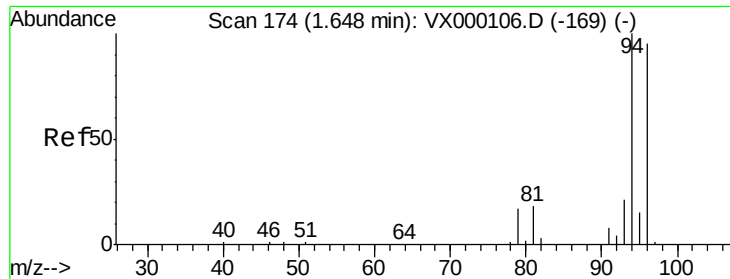
Tgt Ion: 50 Resp: 10854
 Ion Ratio Lower Upper
 50 100
 52 32.2 27.8 41.6



#4
 Vinyl Chloride
 Concen: 10.80 ug/l
 RT: 1.40 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 62 Resp: 12845
 Ion Ratio Lower Upper
 62 100
 64 33.7 26.0 39.0





#5

Bromomethane

Concen: 10.50 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

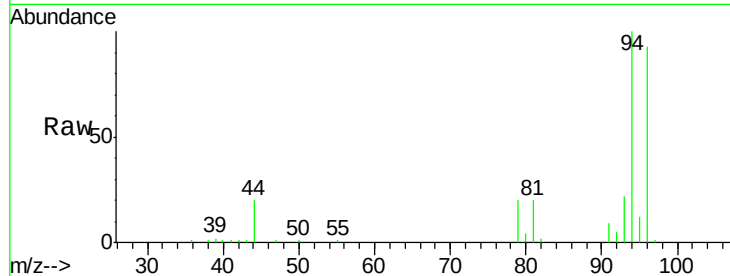
VSTDIC010

Tgt Ion: 94 Resp: 11250

Ion Ratio Lower Upper

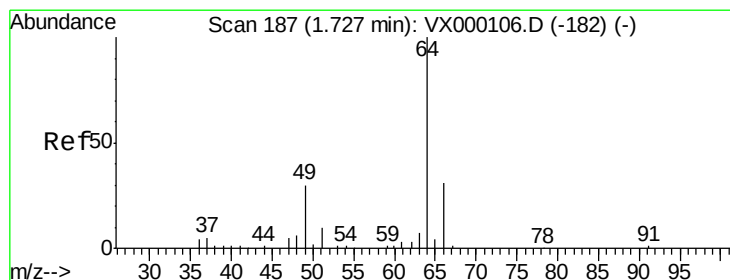
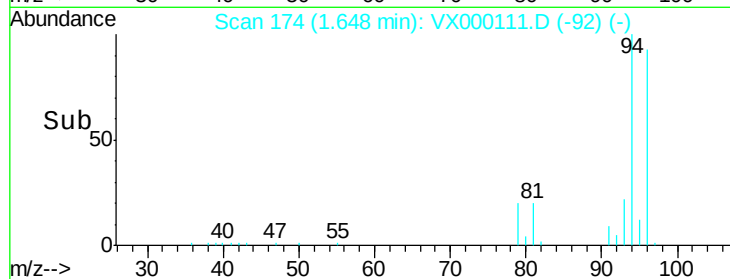
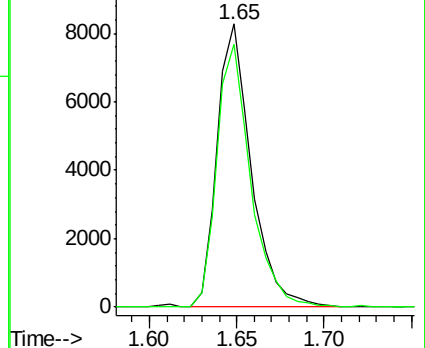
94 100

96 92.8 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 11.05 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000111.D

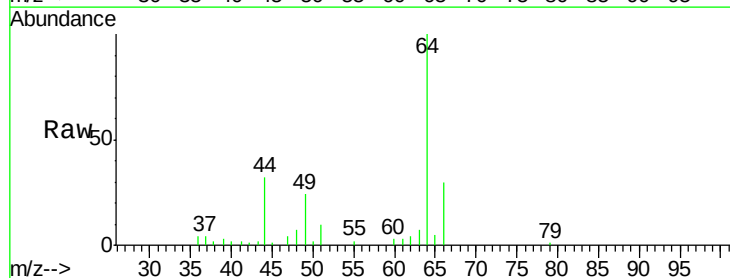
Acq: 20 Feb 2018 16:30

Tgt Ion: 64 Resp: 8273

Ion Ratio Lower Upper

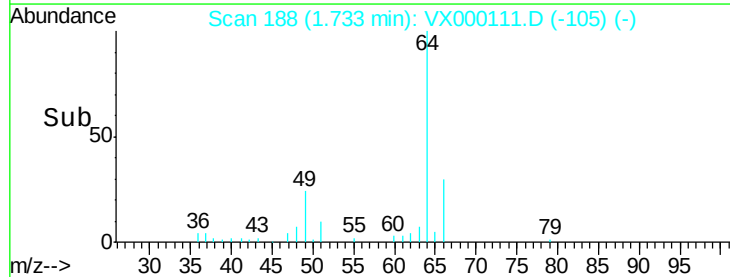
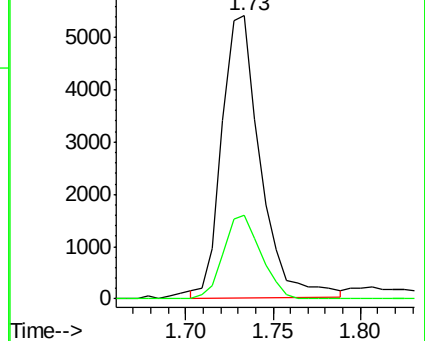
64 100

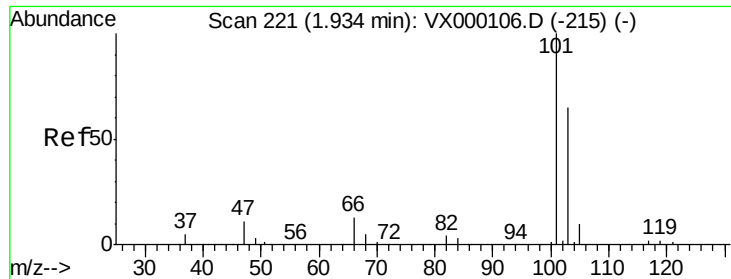
66 30.7 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



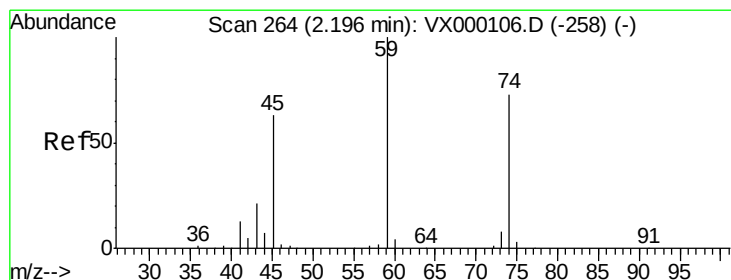
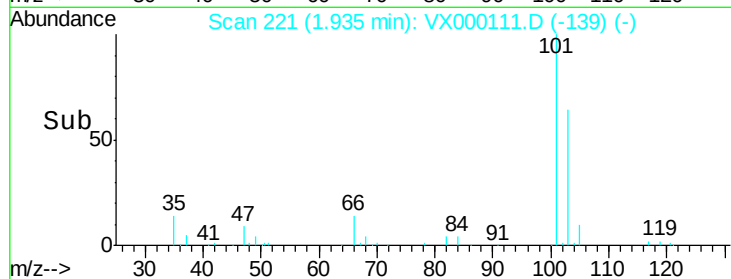
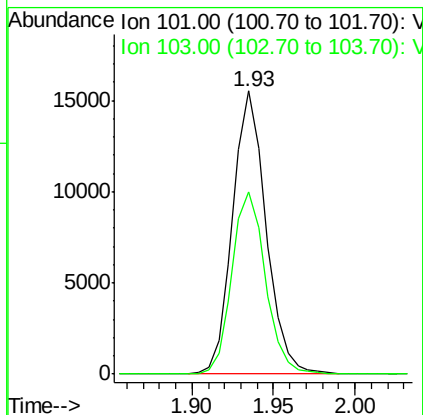
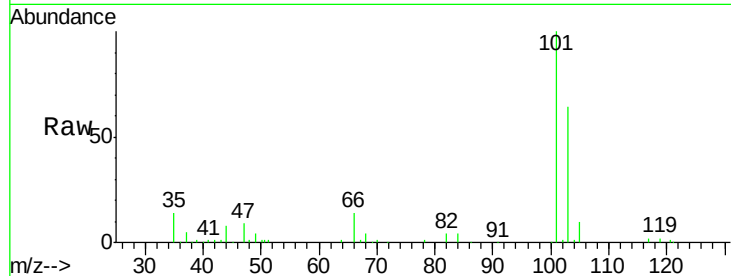


#7

Trichlorofluoromethane
 Concen: 10.93 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

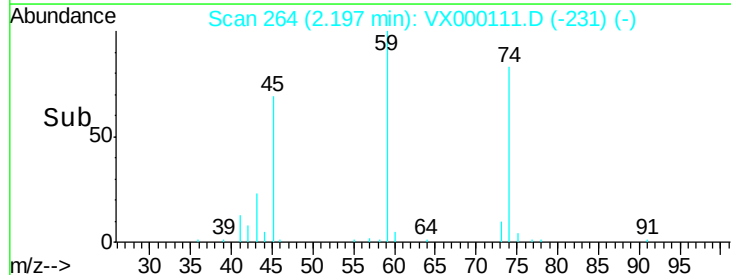
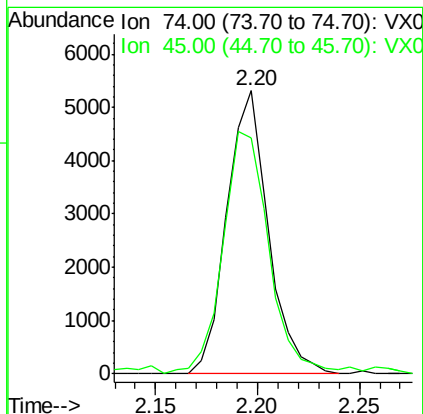
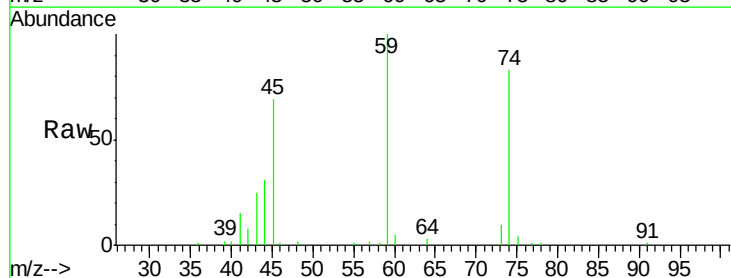
Tgt Ion: 101 Resp: 22198
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4

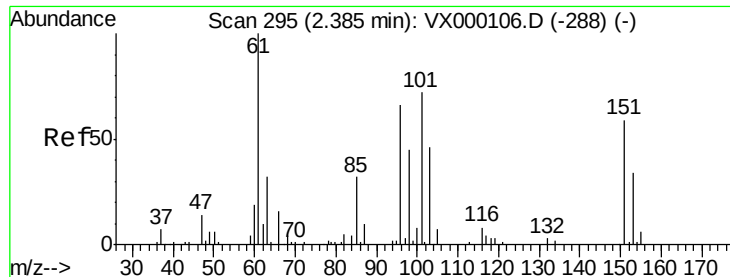


#8

Diethyl Ether
 Concen: 10.10 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 74 Resp: 7503
 Ion Ratio Lower Upper
 74 100
 45 94.7 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.19 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

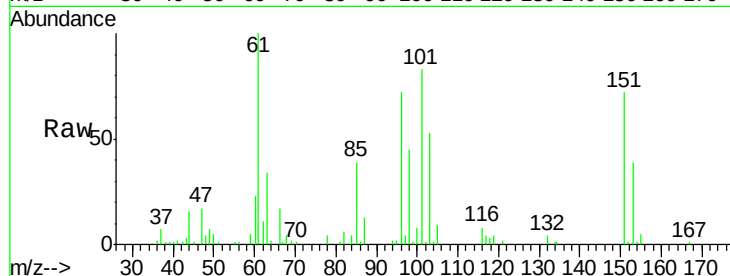
Tgt Ion: 101 Resp: 12577

Ion Ratio Lower Upper

101 100

85 47.7 0.0 90.4

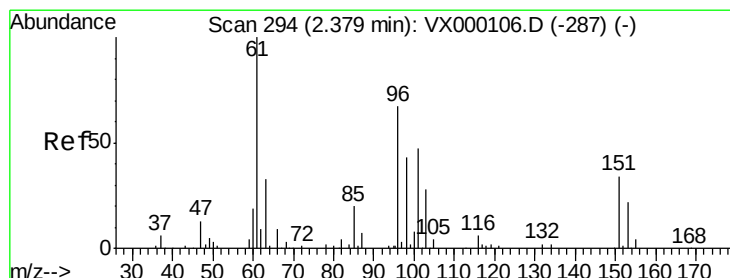
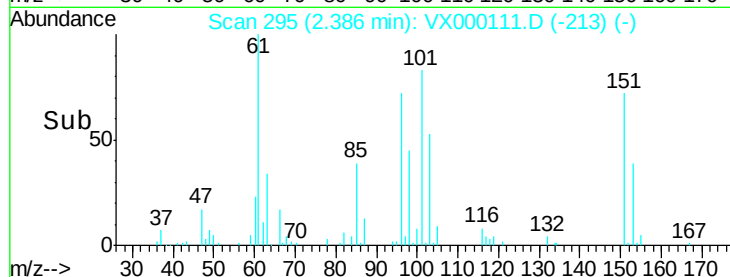
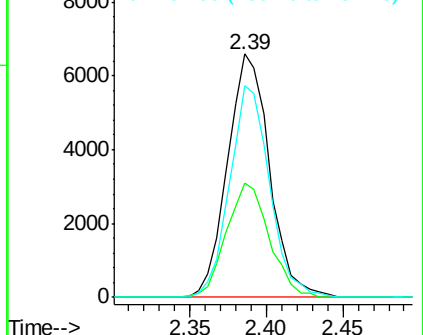
151 82.6 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 10.89 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

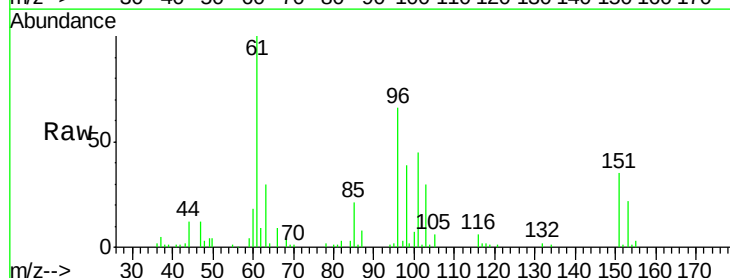
Tgt Ion: 96 Resp: 11746

Ion Ratio Lower Upper

96 100

61 151.8 118.6 178.0

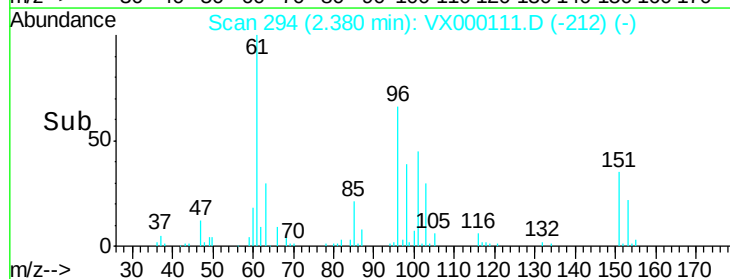
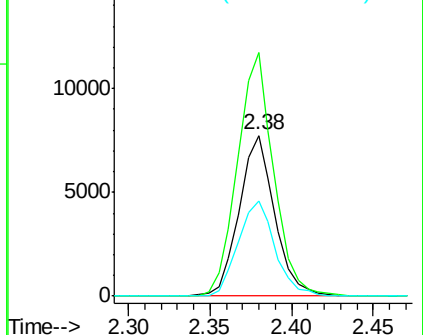
98 59.2 51.0 76.6

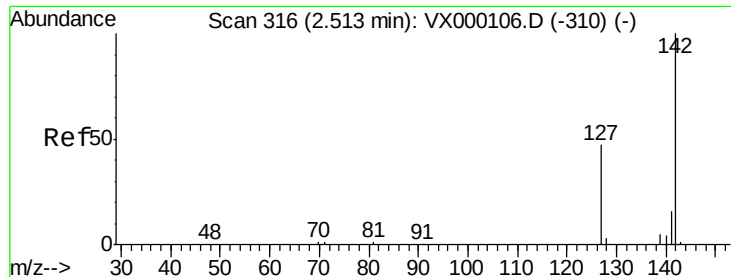


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

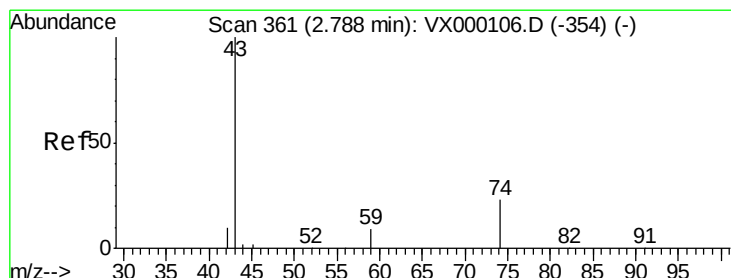
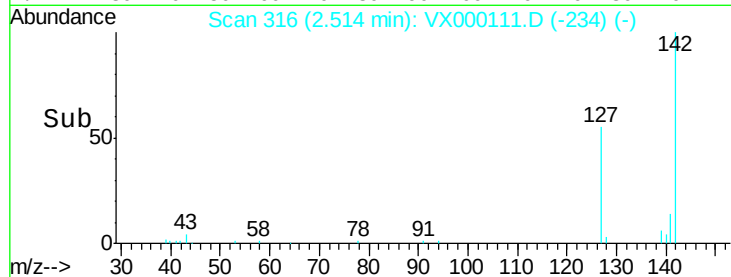
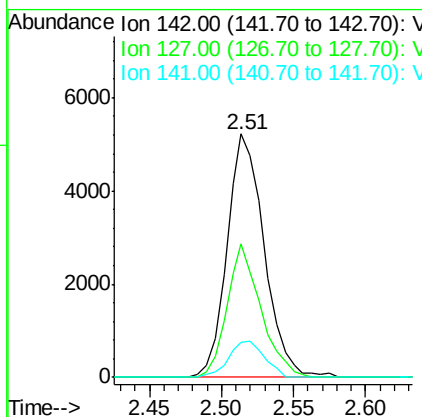
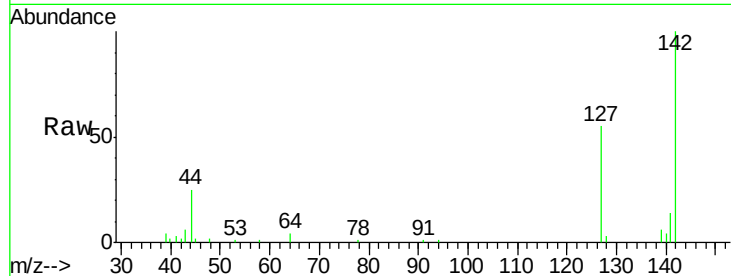




#11
Methyl Iodide
Concen: 10.86 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

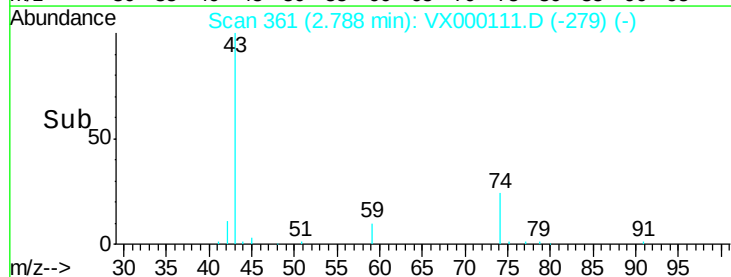
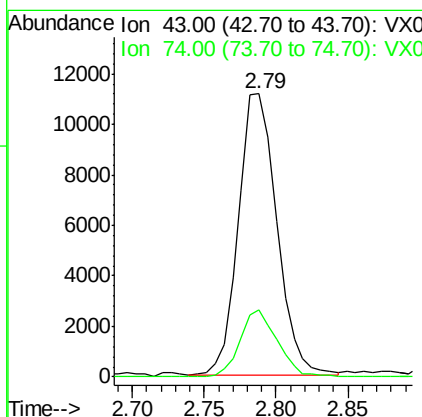
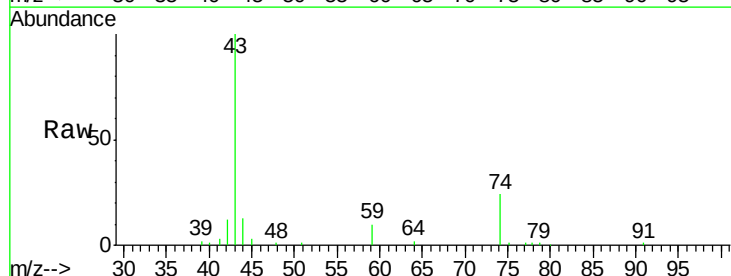
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

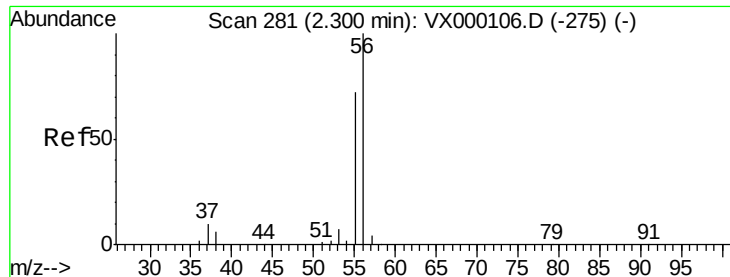
Tgt Ion: 142 Resp: 9409
Ion Ratio Lower Upper
142 100
127 54.8 23.8 71.5
141 14.2 8.2 24.4



#12
Methyl Acetate
Concen: 10.80 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 43 Resp: 20762
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





#13

Acrolein

Concen: 54.65 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

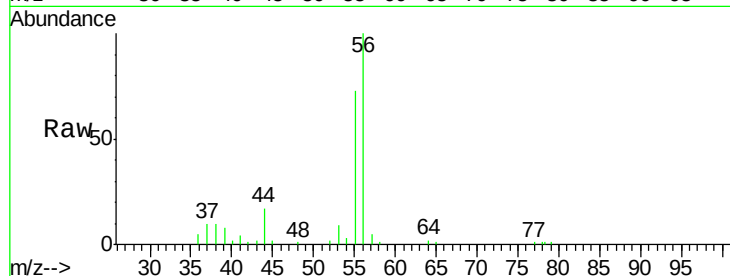
VSTDIC010

Tgt Ion: 56 Resp: 11991

Ion Ratio Lower Upper

56 100

55 74.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

8000

6000

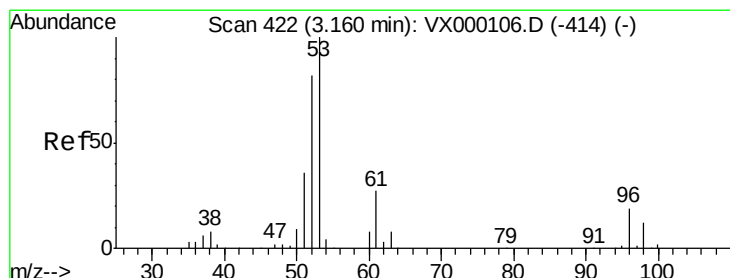
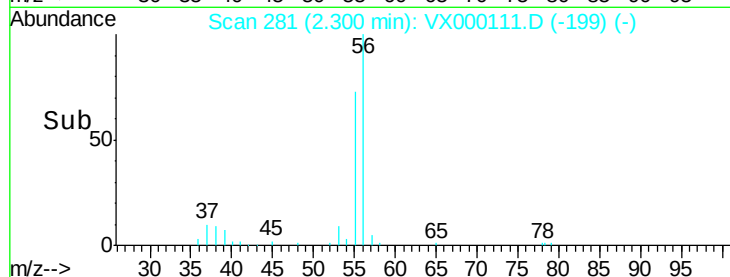
4000

2000

0

Time-->

2.25 2.30 2.35



#14

Acrylonitrile

Concen: 53.44 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

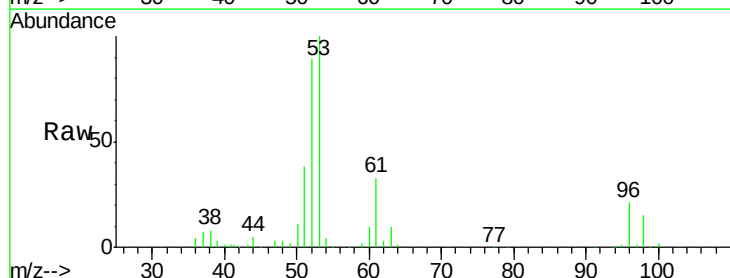
Tgt Ion: 53 Resp: 44608

Ion Ratio Lower Upper

53 100

52 84.3 41.9 125.8

51 36.1 18.8 56.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.16

25000

20000

15000

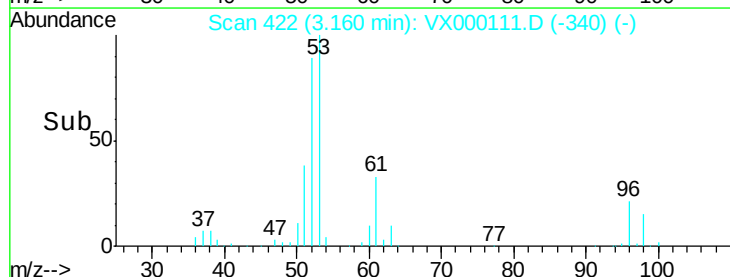
10000

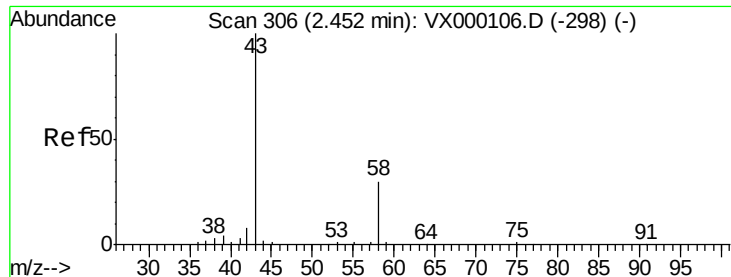
5000

0

Time-->

3.05 3.10 3.15 3.20 3.25





#15

Acetone

Concen: 50.79 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

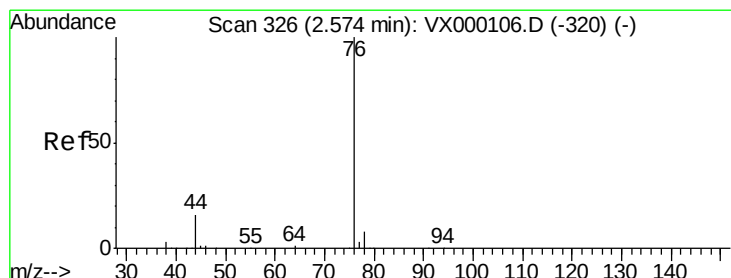
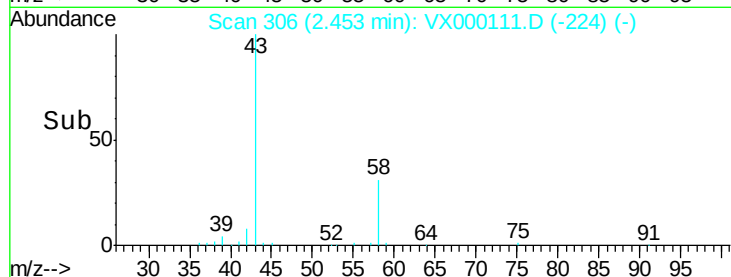
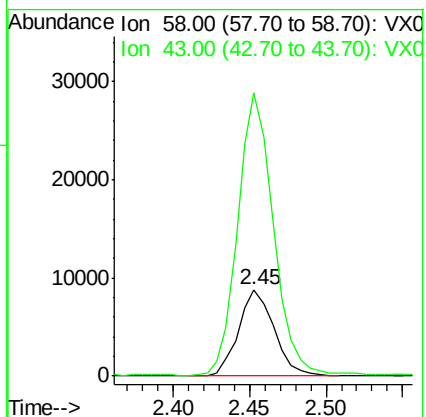
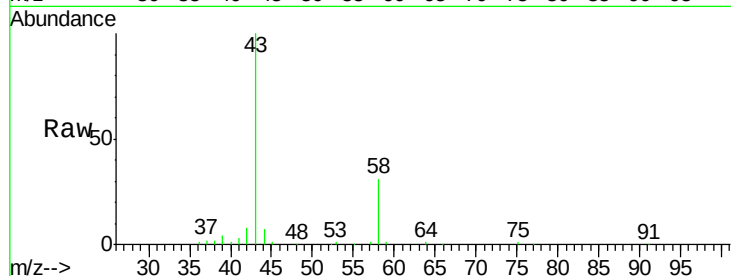
VSTDIC010

Tgt Ion: 58 Resp: 14454

Ion Ratio Lower Upper

58 100

43 325.2 264.6 396.8



#16

Carbon Disulfide

Concen: 10.66 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000111.D

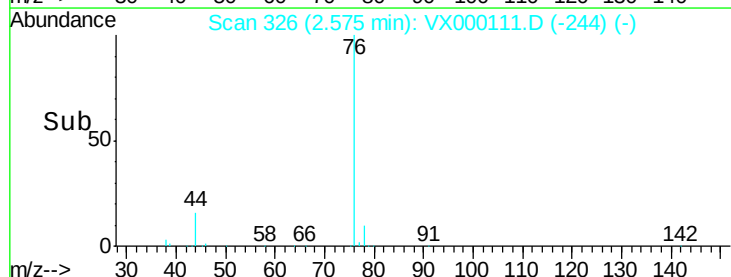
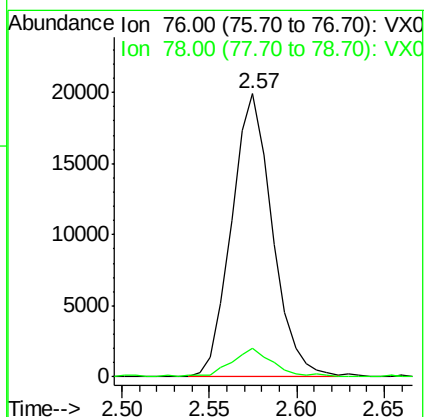
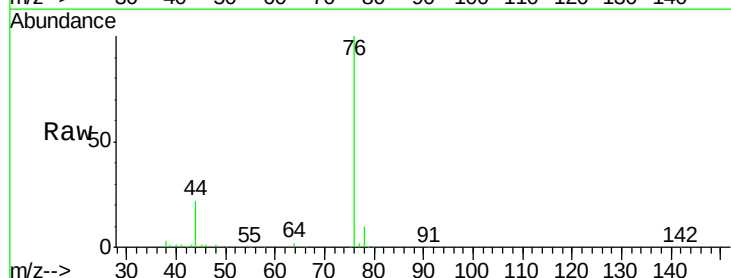
Acq: 20 Feb 2018 16:30

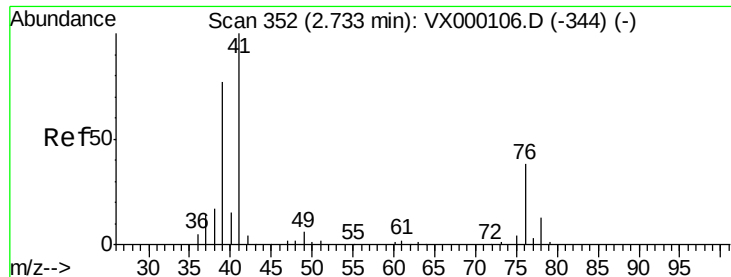
Tgt Ion: 76 Resp: 32334

Ion Ratio Lower Upper

76 100

78 9.8 6.8 10.2

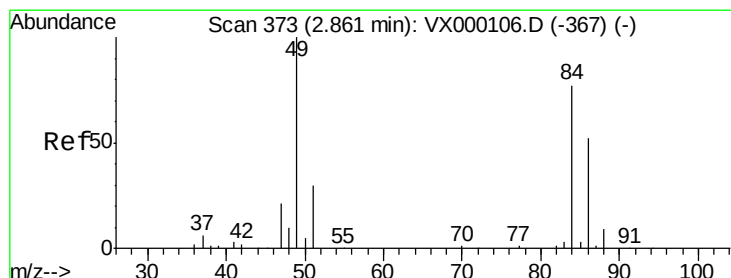
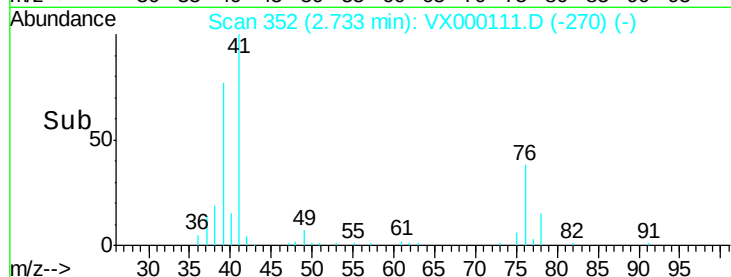
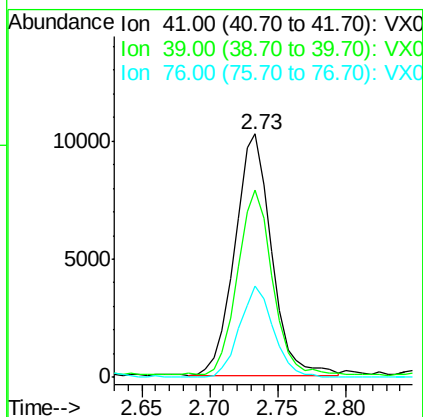
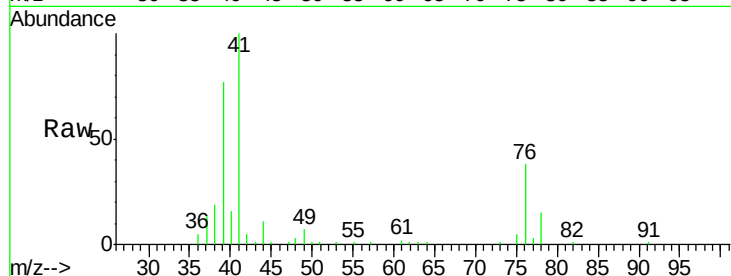




#17
 Allyl chloride
 Concen: 10.57 ug/l
 RT: 2.73 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

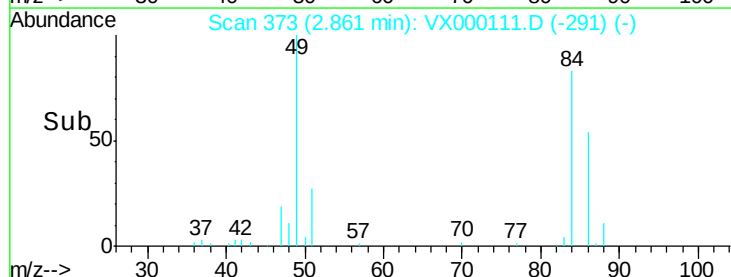
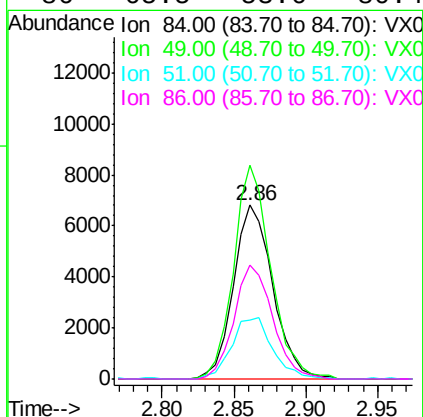
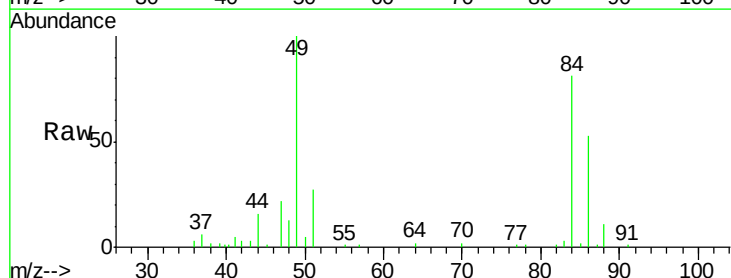
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

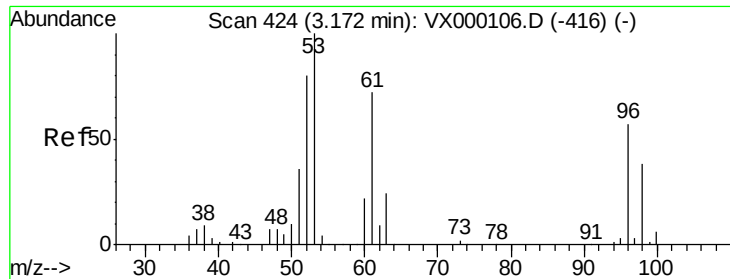
Tgt Ion: 41 Resp: 19152
 Ion Ratio Lower Upper
 41 100
 39 76.1 38.5 115.5
 76 38.0 18.7 56.1



#18
 Methylene Chloride
 Concen: 11.27 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 84 Resp: 12950
 Ion Ratio Lower Upper
 84 100
 49 123.0 103.3 154.9
 51 33.6 31.2 46.8
 86 65.5 53.6 80.4





#19

trans-1,2-Dichloroethene

Concen: 10.92 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

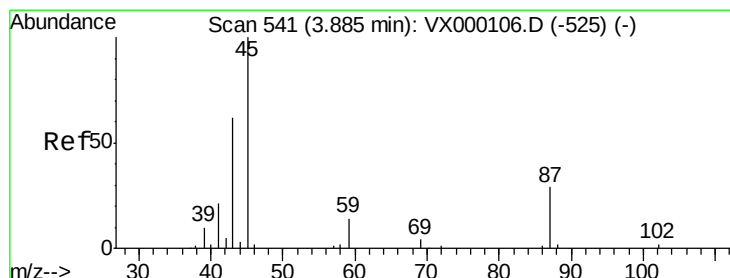
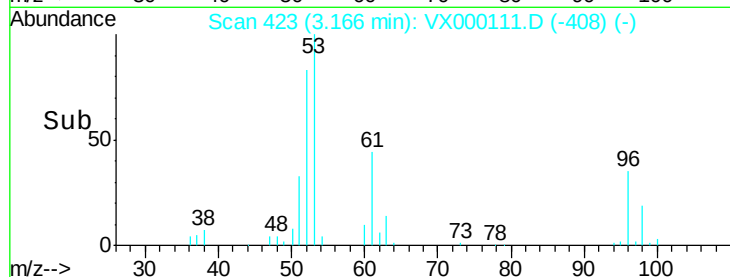
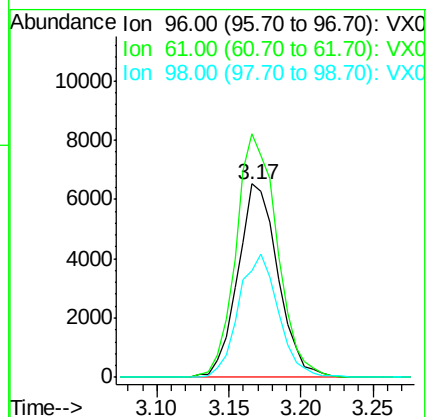
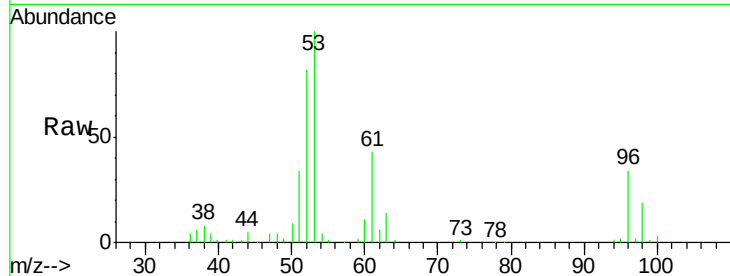
Tgt Ion: 96 Resp: 12644

Ion Ratio Lower Upper

96 100

61 126.0 101.0 151.6

98 55.0 53.3 79.9



#20

Diisopropyl ether

Concen: 10.32 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Tgt Ion: 45 Resp: 28565

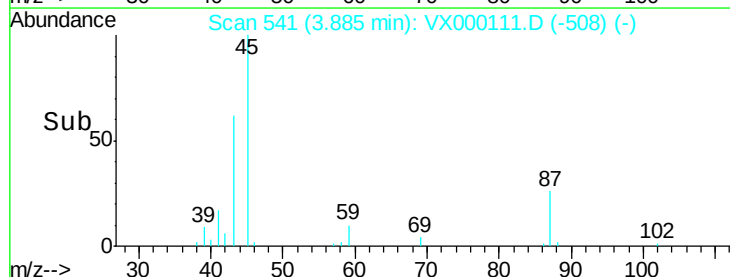
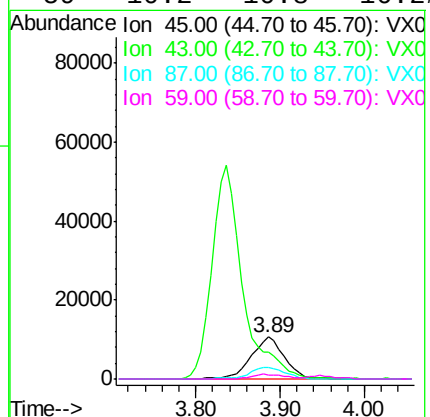
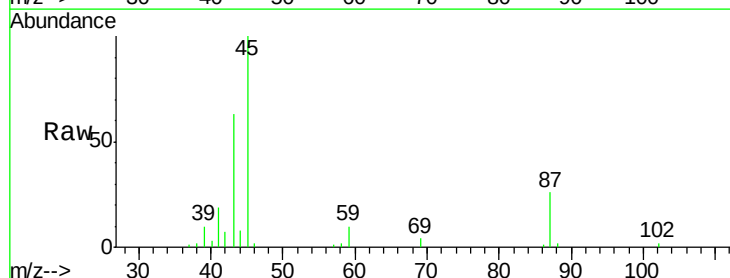
Ion Ratio Lower Upper

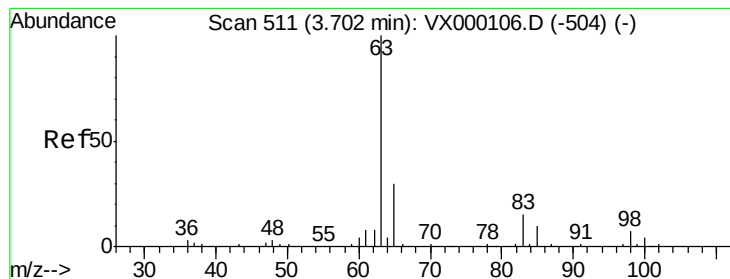
45 100

43 60.1 49.6 74.4

87 26.5 23.1 34.7

59 10.2 10.8 16.2#





#21

1,1-Dichloroethane

Concen: 10.07 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

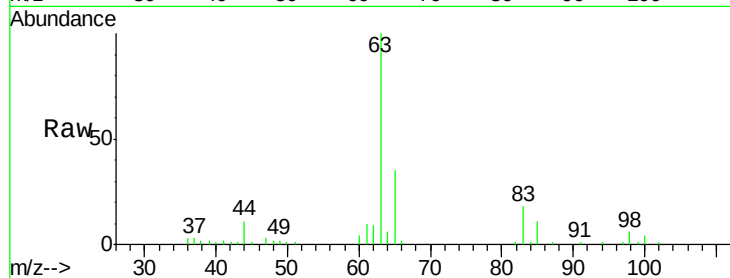
Tgt Ion: 63 Resp: 19831

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

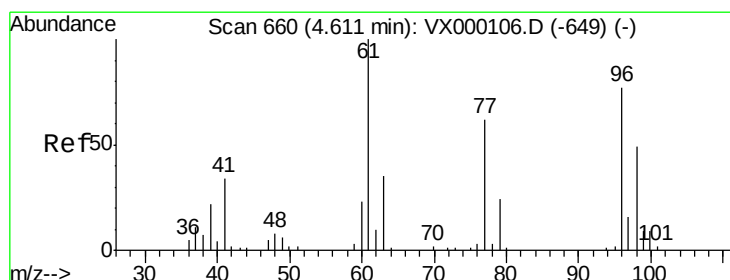
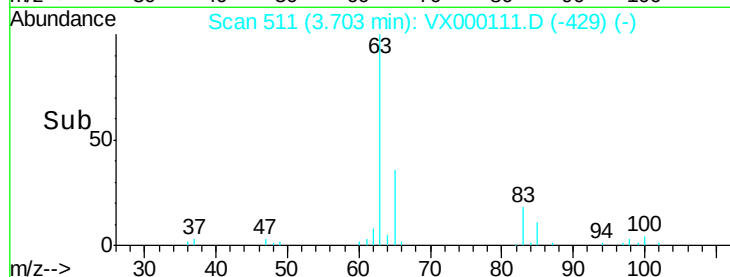
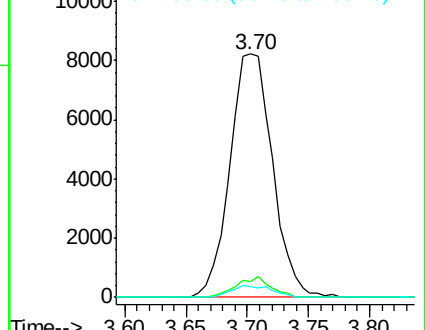
100 4.4 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 10.38 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

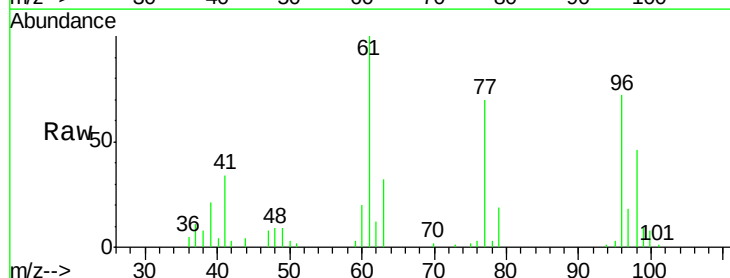
Tgt Ion: 96 Resp: 11172

Ion Ratio Lower Upper

96 100

61 146.5 113.5 170.3

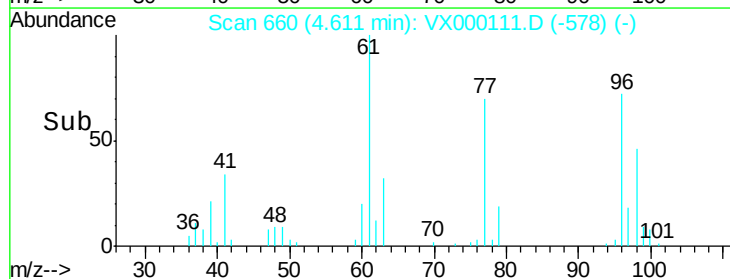
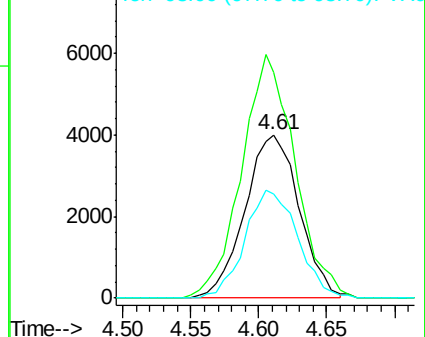
98 64.3 51.8 77.8

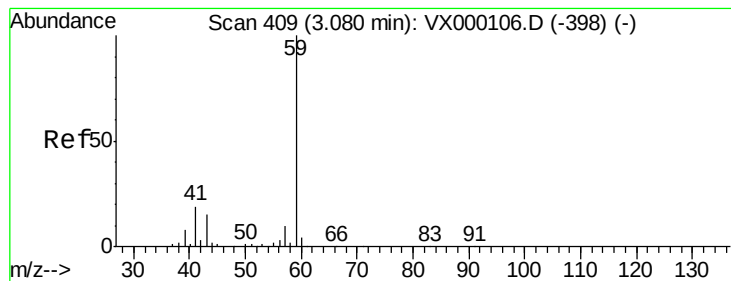


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 51.03 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

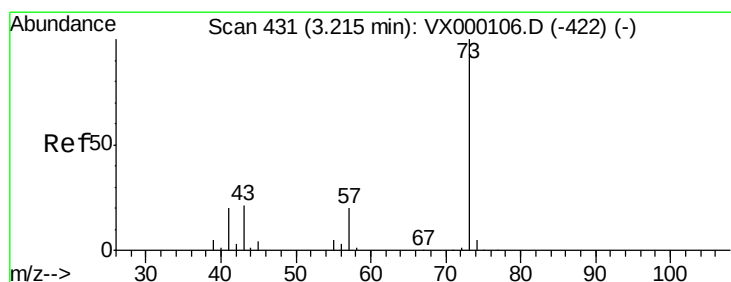
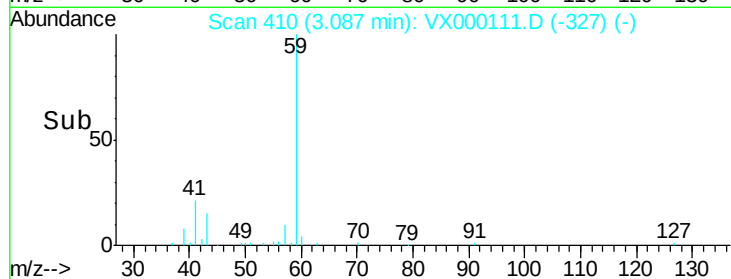
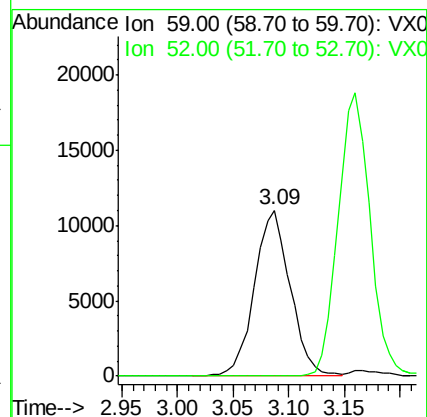
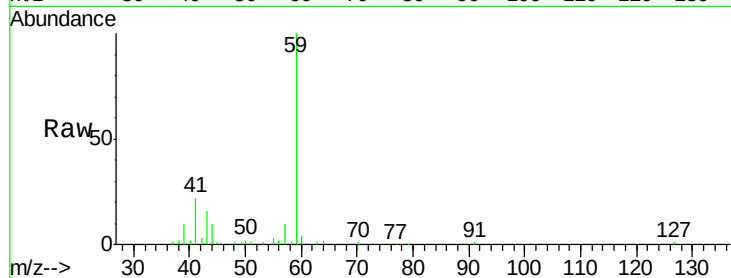
VSTDIC010

Tgt Ion: 59 Resp: 24779

Ion Ratio Lower Upper

59 100

52 0.2 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 10.79 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX000111.D

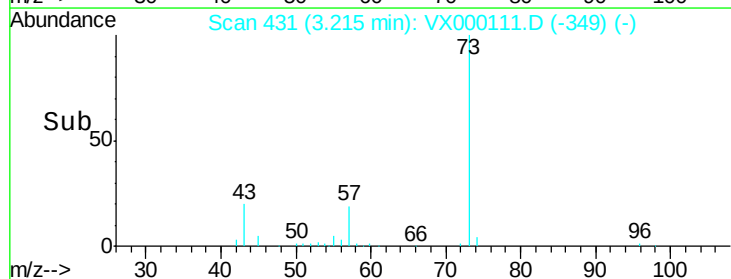
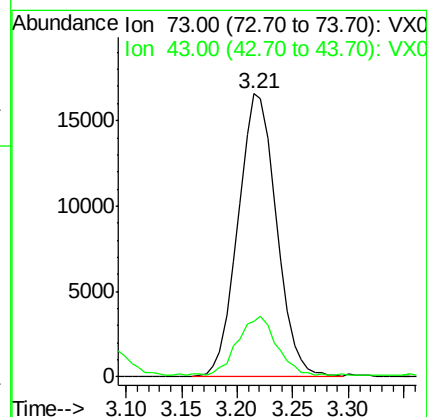
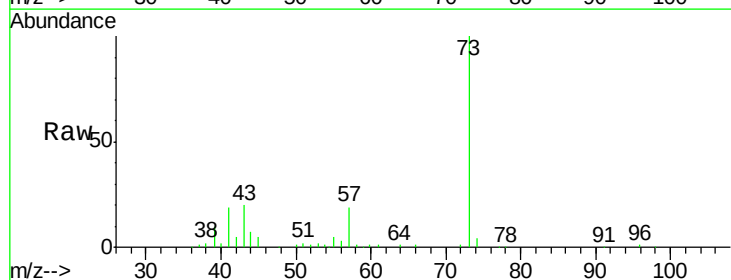
Acq: 20 Feb 2018 16:30

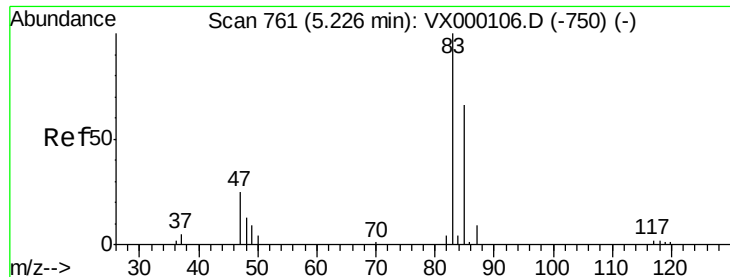
Tgt Ion: 73 Resp: 39772

Ion Ratio Lower Upper

73 100

43 21.1 16.5 24.7

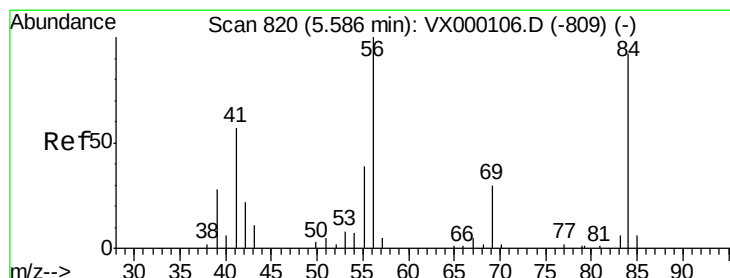
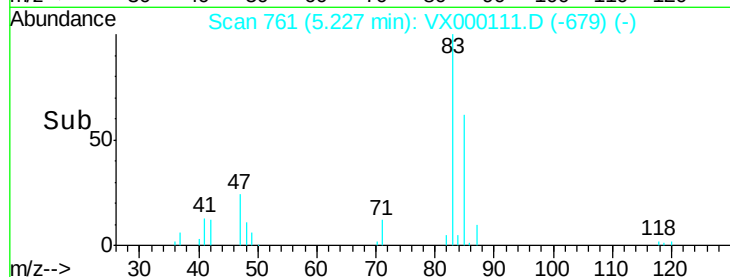
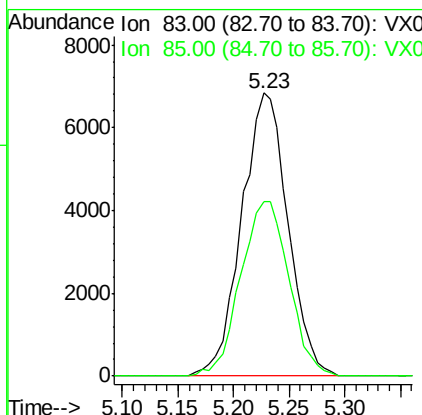
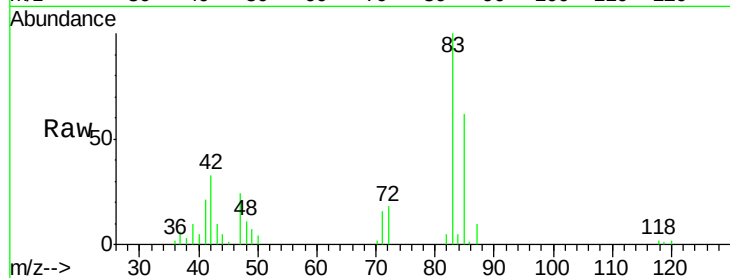




#25
Chloroform
Concen: 10.59 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

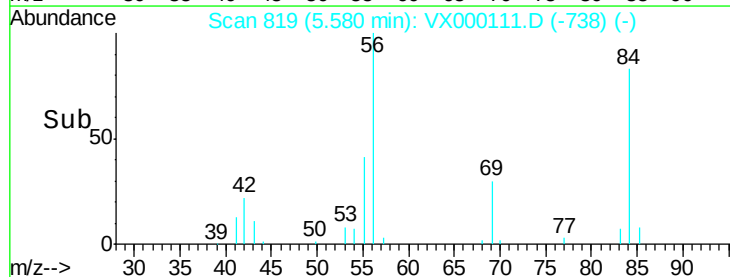
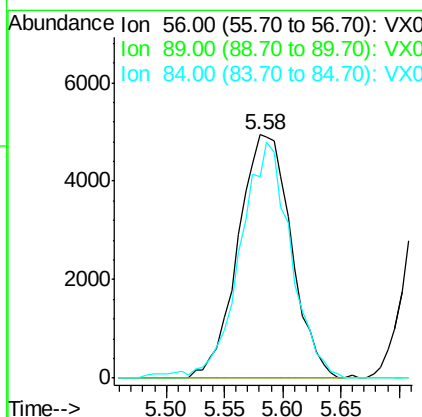
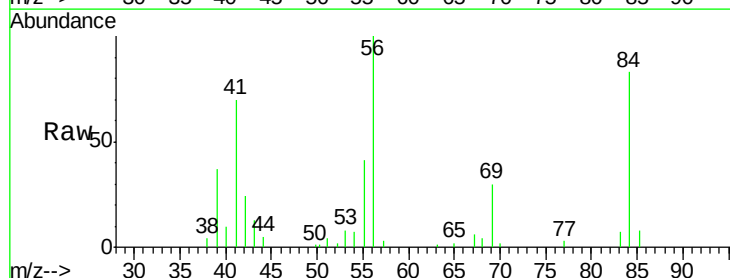
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

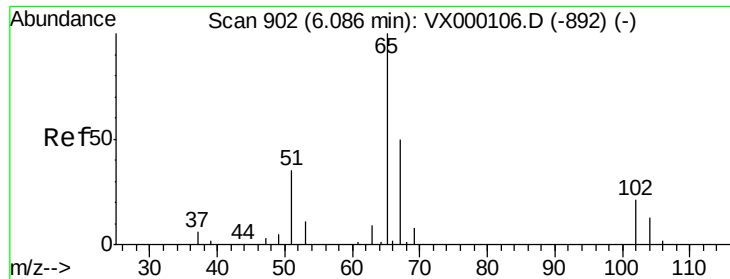
Tgt Ion: 83 Resp: 19740
Ion Ratio Lower Upper
83 100
85 61.8 52.5 78.7



#26
Cyclohexane
Concen: 10.66 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 56 Resp: 15654
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 91.7 74.8 112.2

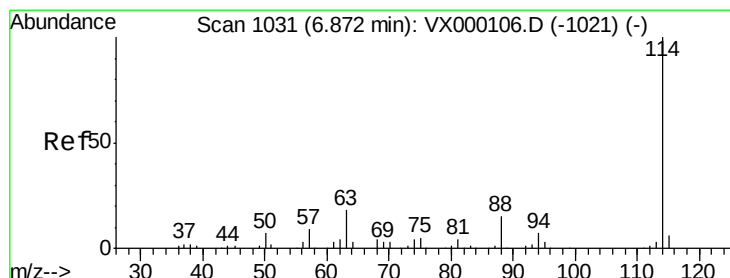
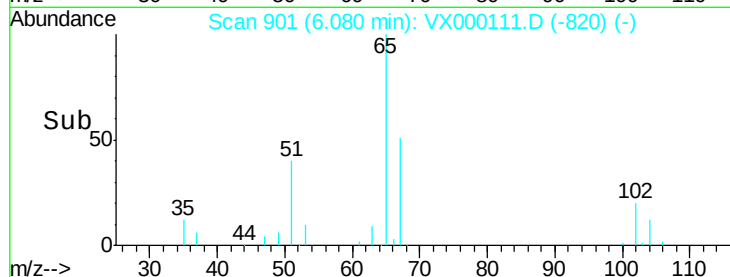
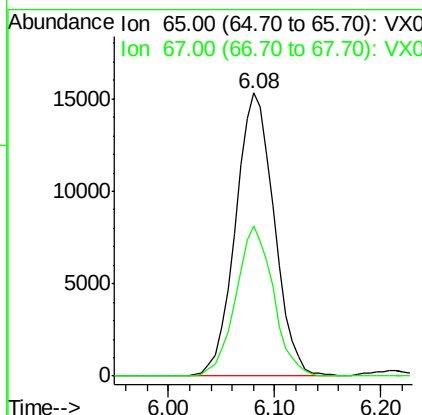
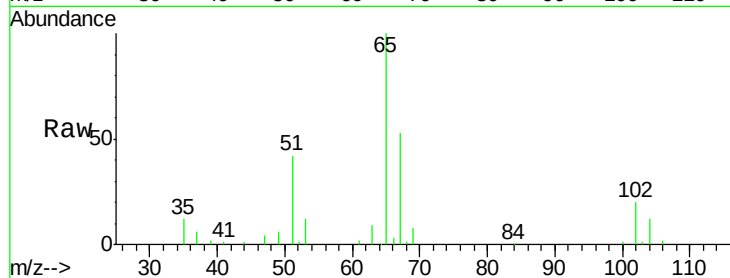




#27
 1,2-Dichloroethane-d4
 Concen: 31.58 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

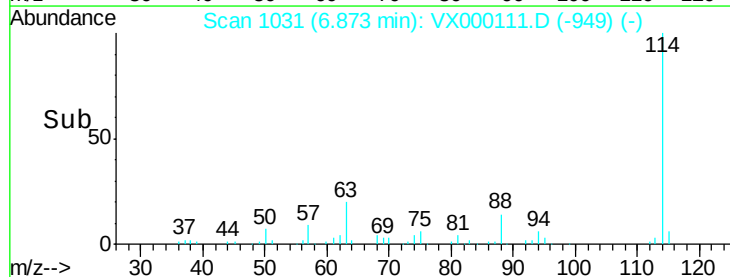
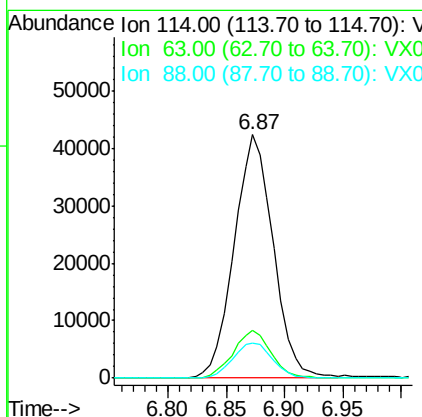
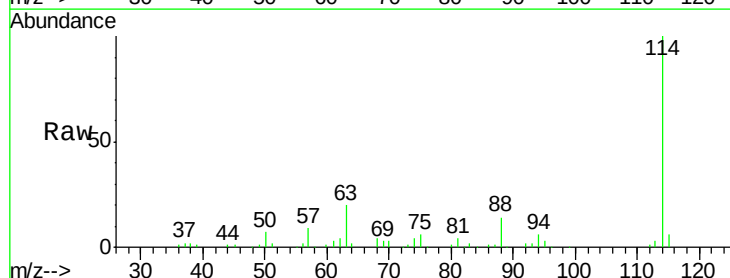
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

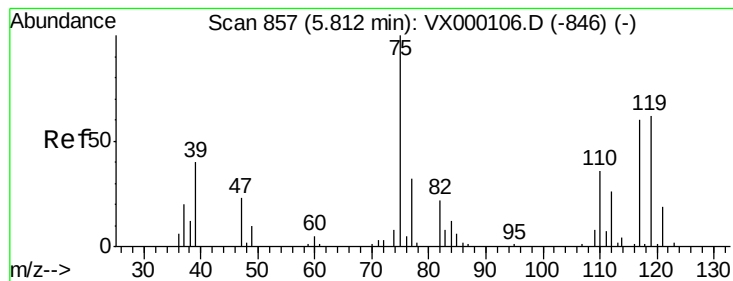
Tgt Ion: 65 Resp: 38999
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 114 Resp: 98850
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.0 22.4
 88 14.8 11.8 17.8





#29

1,1-Dichloropropene

Concen: 10.52 ug/l

RT: 5.81 min Scan# 857

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

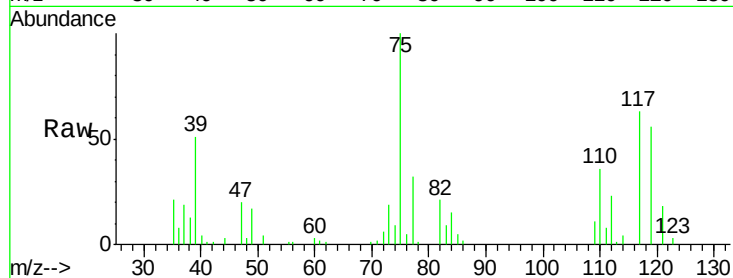
Tgt Ion: 75 Resp: 14987

Ion Ratio Lower Upper

75 100

110 35.9 0.0 75.6

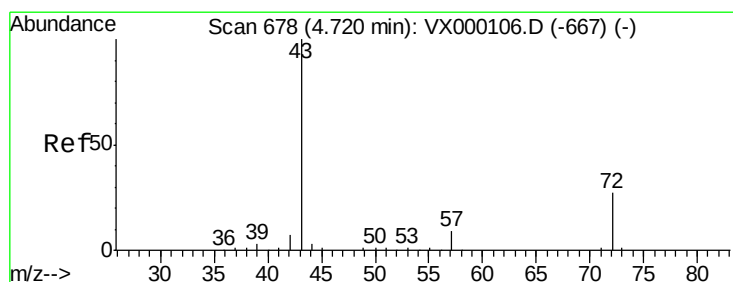
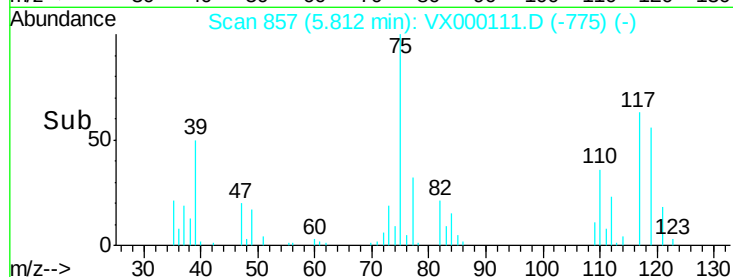
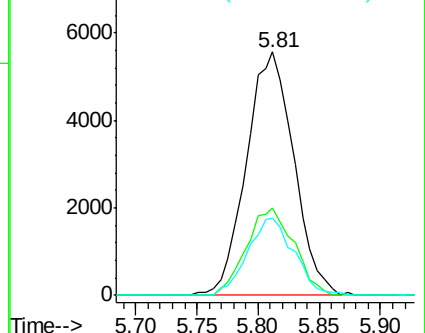
77 31.0 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 49.74 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

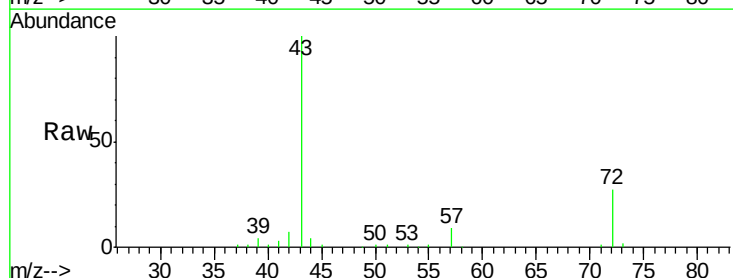
Tgt Ion: 43 Resp: 56627

Ion Ratio Lower Upper

43 100

57 8.8 6.6 10.0

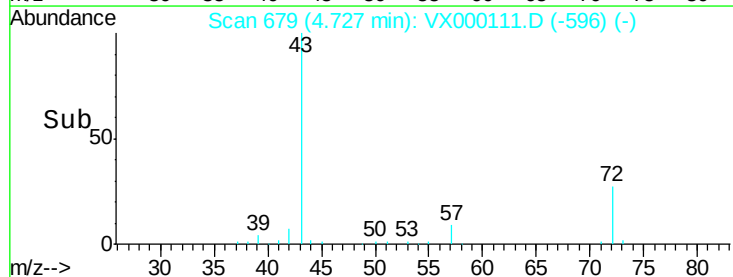
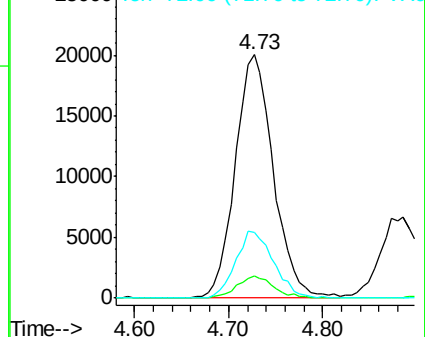
72 27.1 21.8 32.6

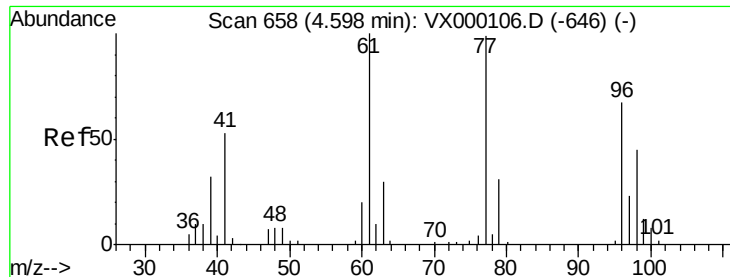


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

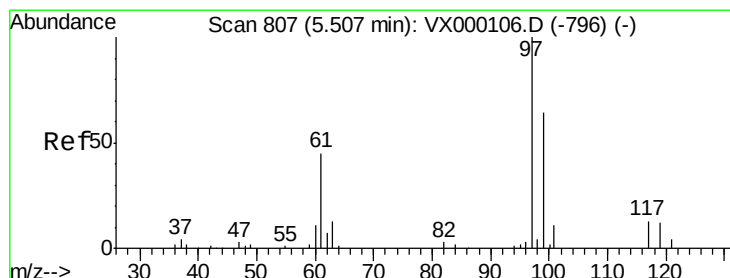
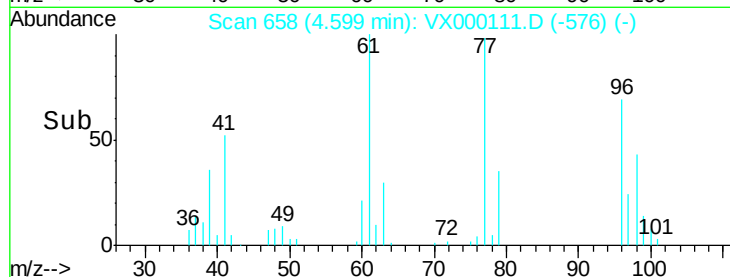
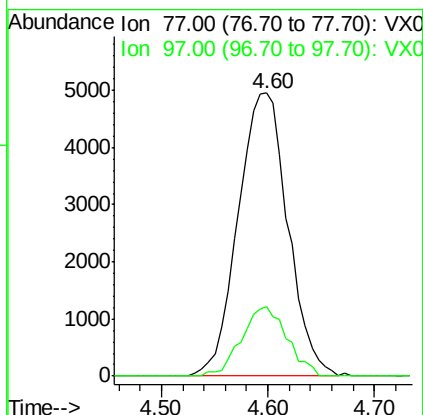
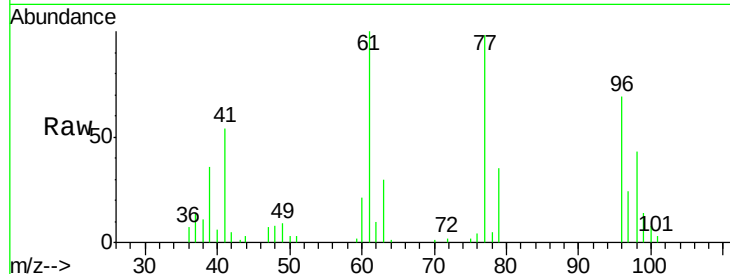




#31
 2,2-Dichloropropane
 Concen: 10.55 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

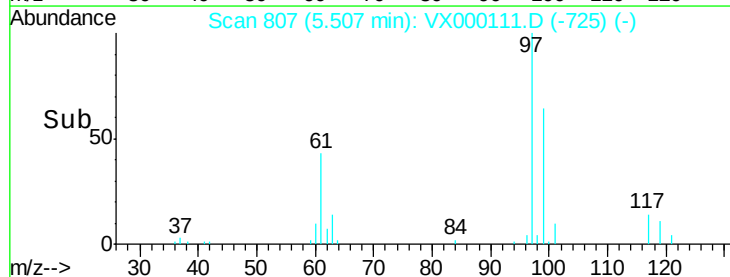
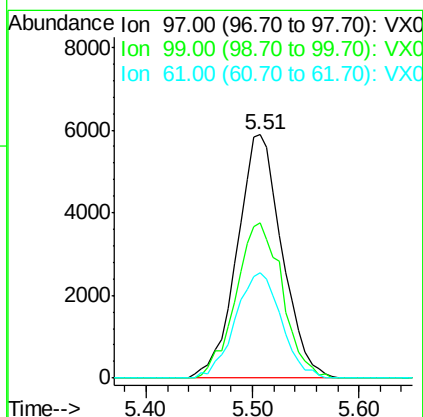
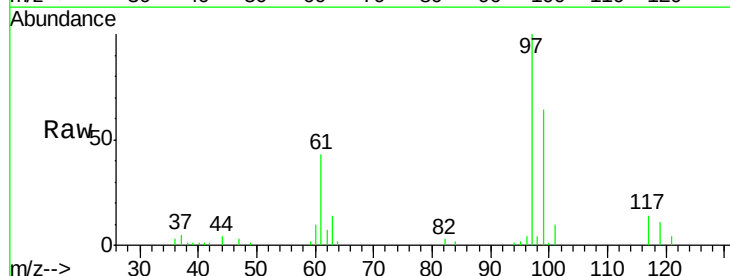
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

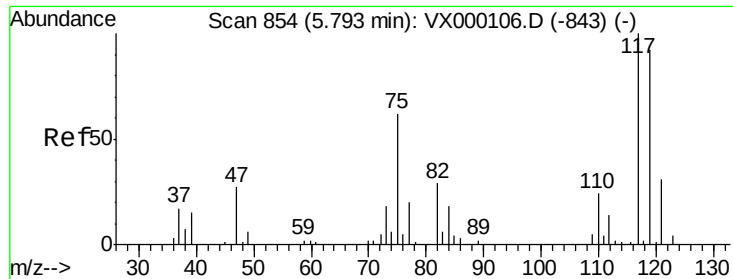
Tgt Ion: 77 Resp: 16205
 Ion Ratio Lower Upper
 77 100
 97 22.0 18.6 27.8



#32
 1,1,1-Trichloroethane
 Concen: 10.01 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 97 Resp: 17355
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.3 78.5
 61 44.5 34.3 51.5

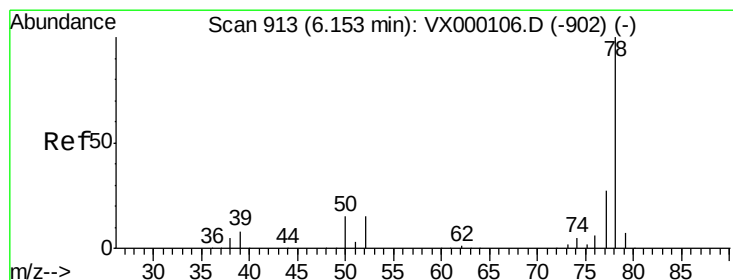
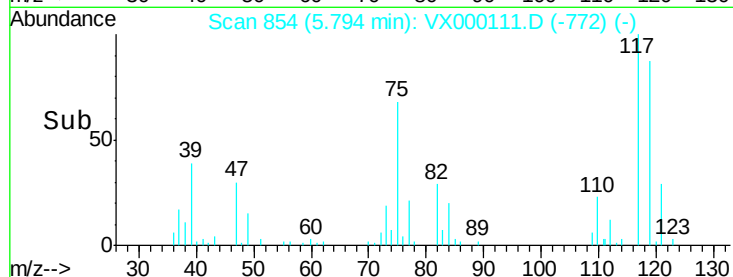
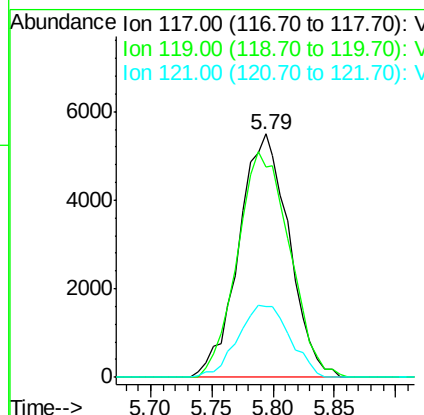
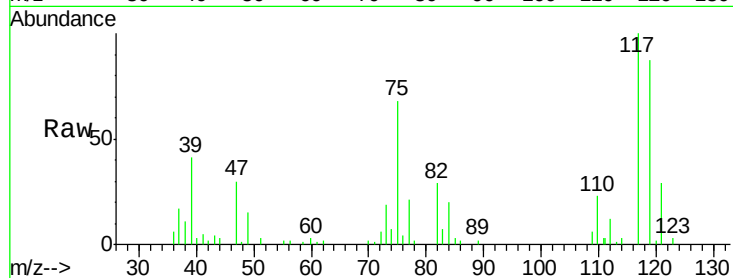




#33
Carbon Tetrachloride
Concen: 10.22 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

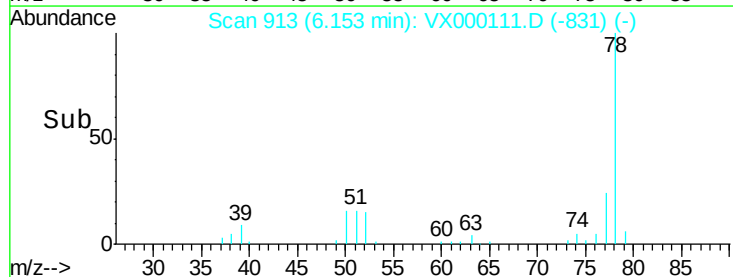
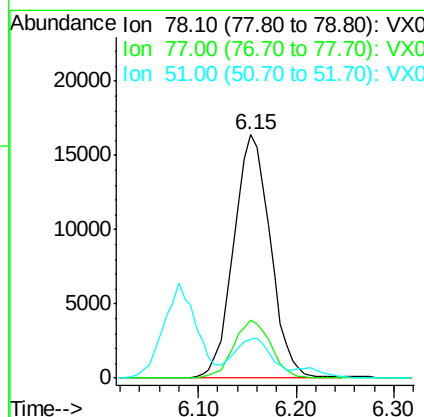
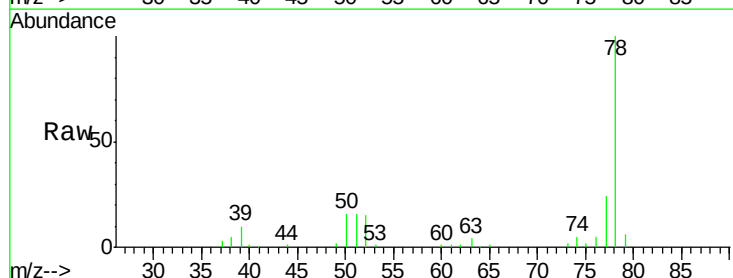
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

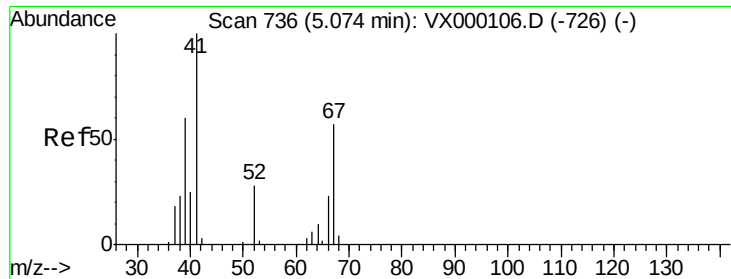
Tgt Ion: 117 Resp: 15642
Ion Ratio Lower Upper
117 100
119 86.6 73.5 110.3
121 29.1 24.6 37.0



#34
Benzene
Concen: 10.25 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 78 Resp: 42670
Ion Ratio Lower Upper
78 100
77 23.6 21.7 32.5
51 15.5 14.9 22.3

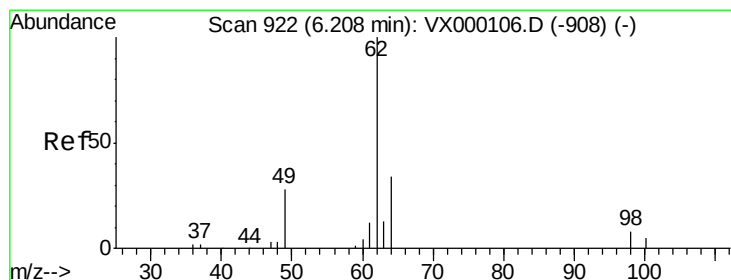
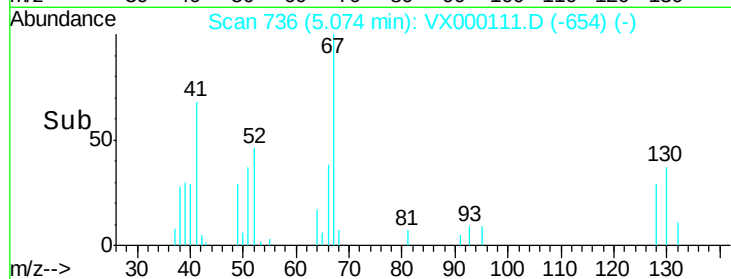
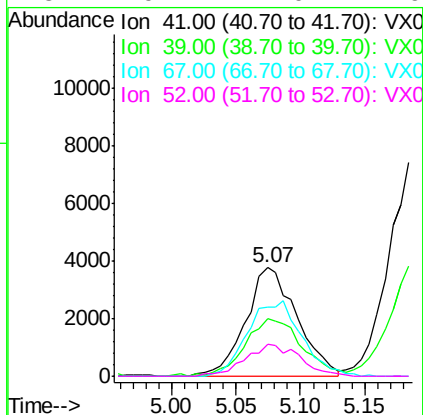
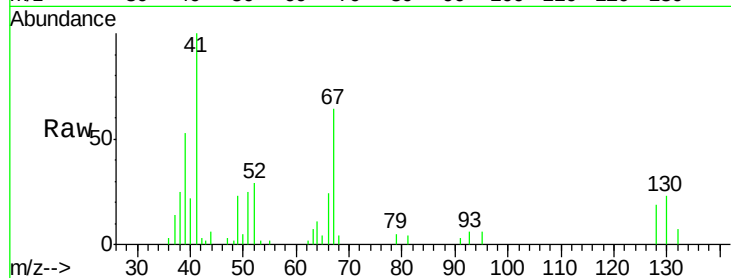




#35
Methacrylonitrile
Concen: 10.27 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

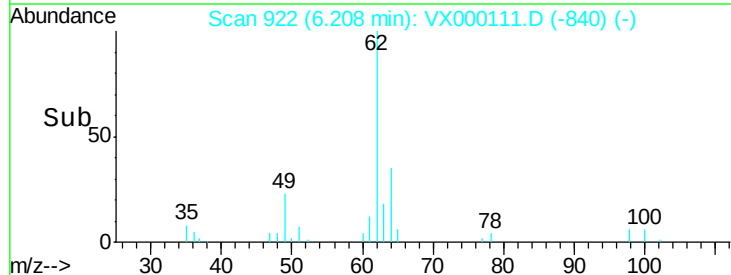
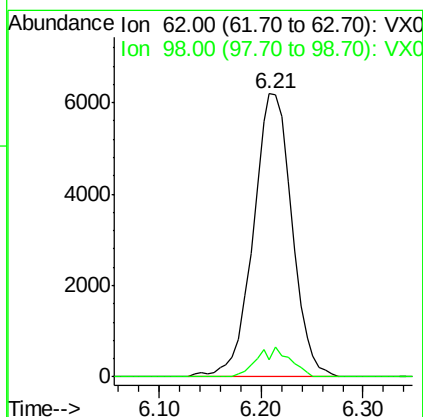
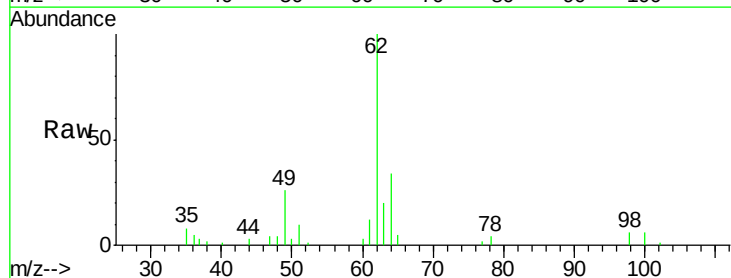
Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

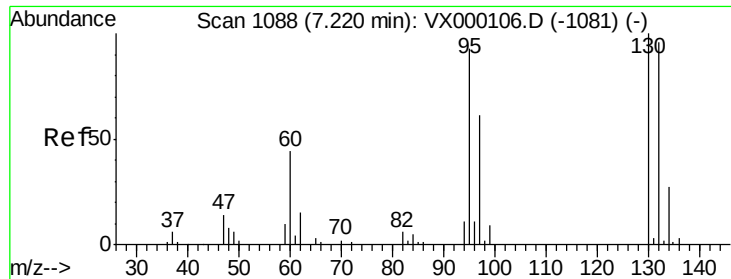
Tgt Ion:	41	Resp:	10420
Ion	Ratio	Lower	Upper
41	100		
39	53.3	29.8	89.3
67	63.7	28.7	86.3
52	29.1	14.0	41.9



#36
1,2-Dichloroethane
Concen: 10.37 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion:	62	Resp:	16302
Ion	Ratio	Lower	Upper
62	100		
98	4.8	6.9	10.3#





#37

Trichloroethene

Concen: 9.83 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

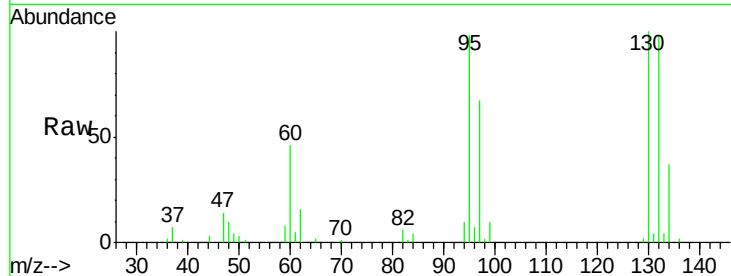
VSTDIC010

Tgt Ion:130 Resp: 12168

Ion Ratio Lower Upper

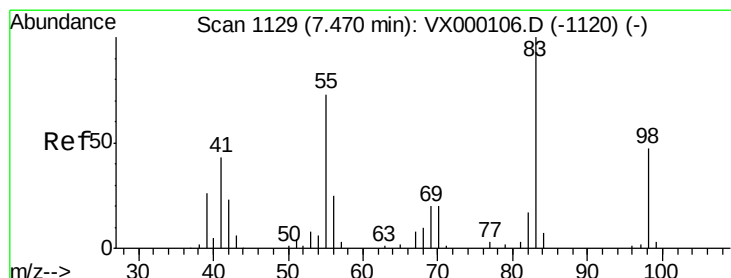
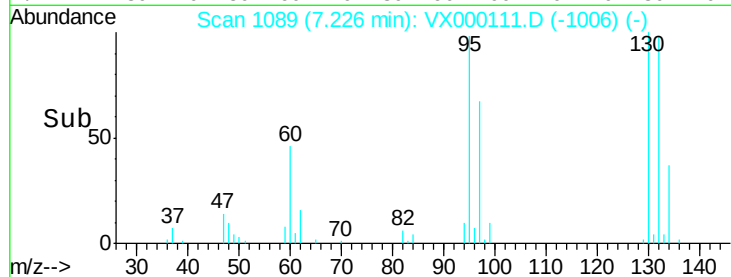
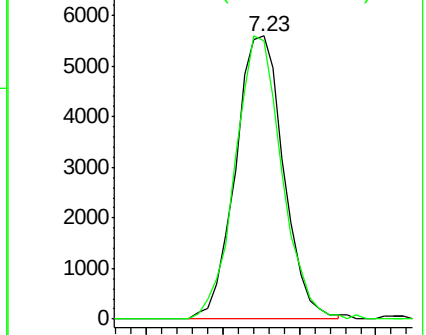
130 100

95 98.3 74.6 112.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 10.74 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

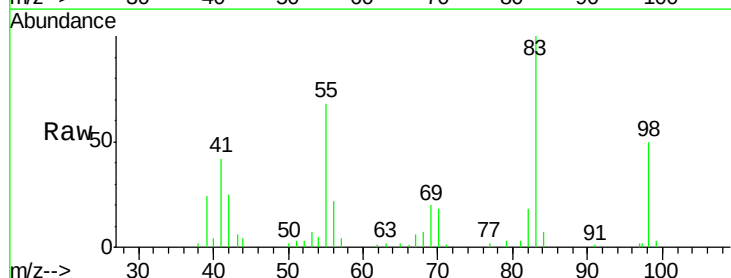
Tgt Ion: 83 Resp: 18032

Ion Ratio Lower Upper

83 100

55 70.3 35.9 107.7

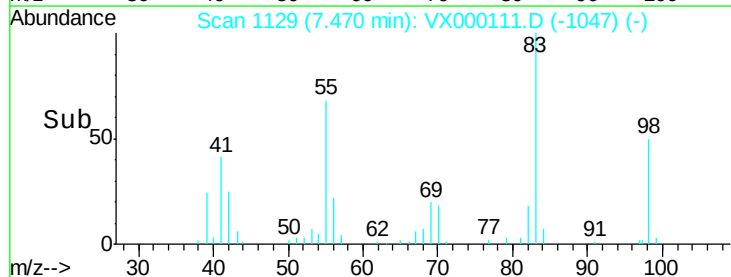
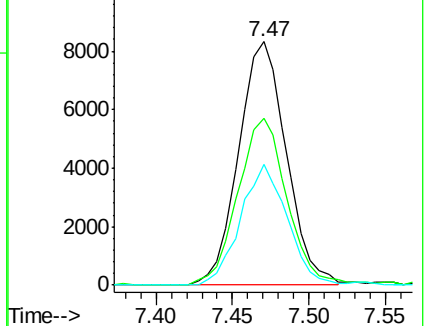
98 48.5 24.6 74.0

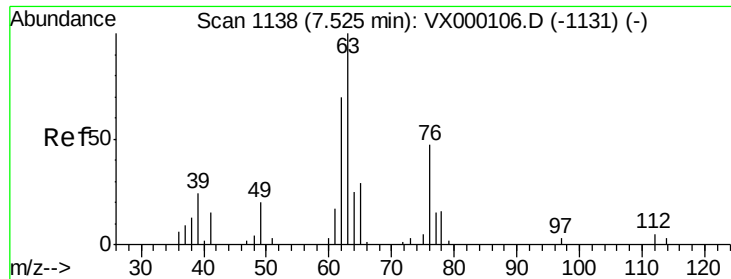


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

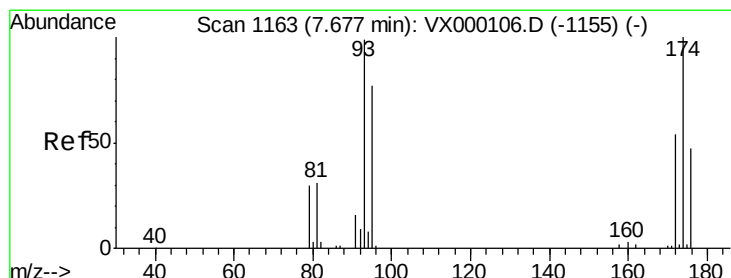
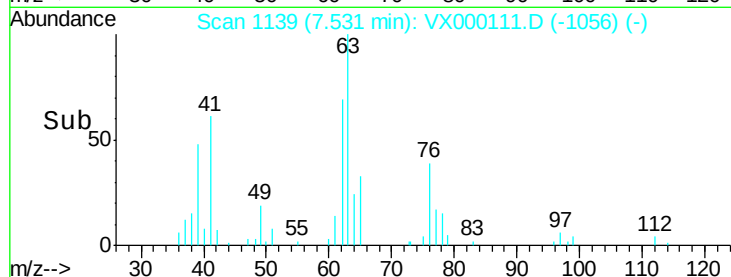
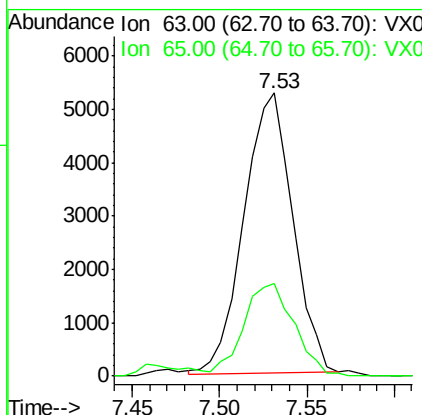
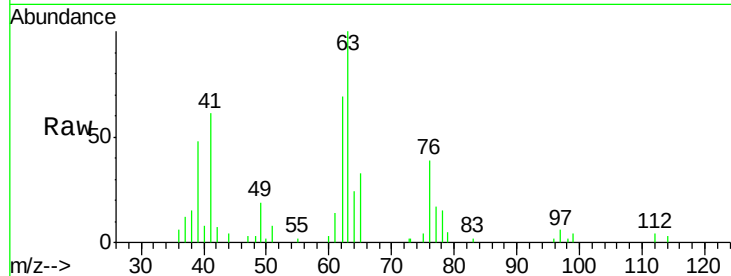




#39
 1,2-Dichloropropane
 Concen: 9.73 ug/l
 RT: 7.53 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

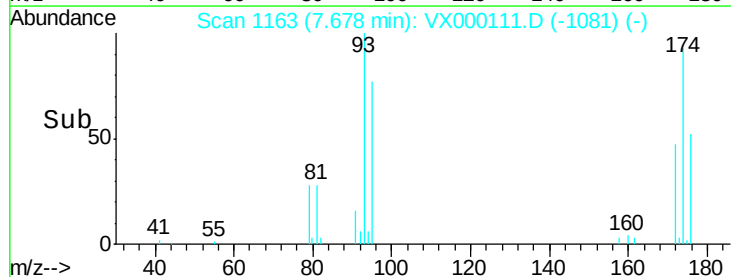
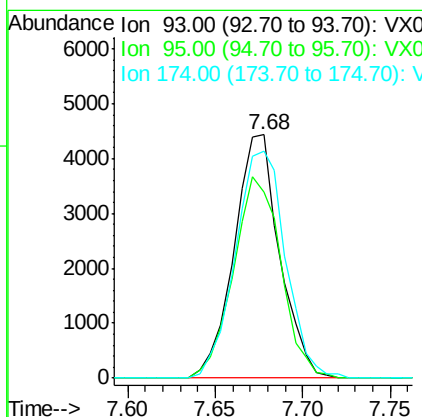
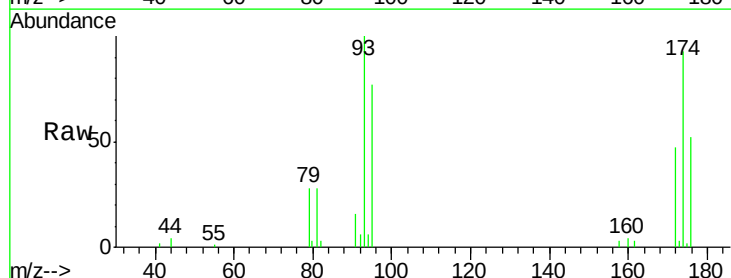
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

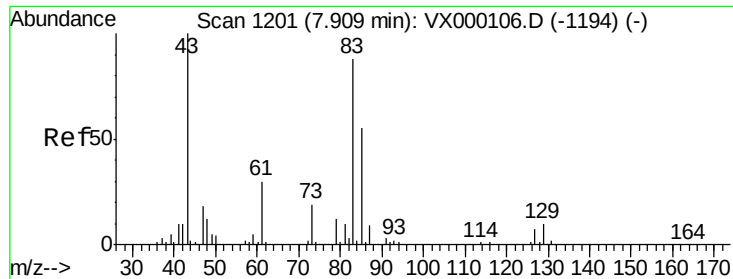
Tgt Ion: 63 Resp: 10234
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6



#40
 Dibromomethane
 Concen: 10.19 ug/l
 RT: 7.68 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 93 Resp: 8055
 Ion Ratio Lower Upper
 93 100
 95 86.2 0.0 170.6
 174 102.6 0.0 210.4





#41

Bromodichloromethane

Concen: 9.85 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

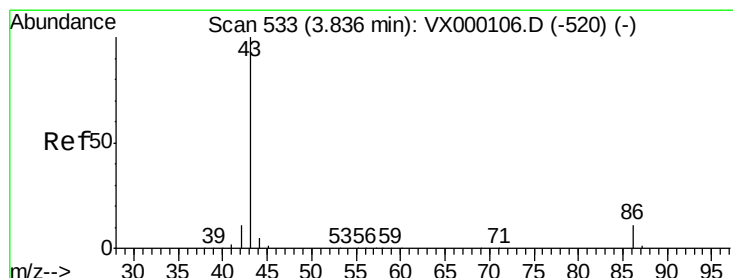
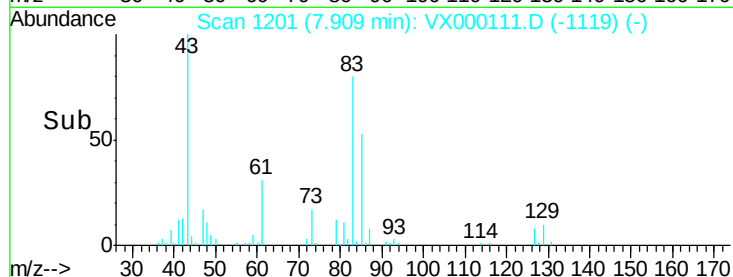
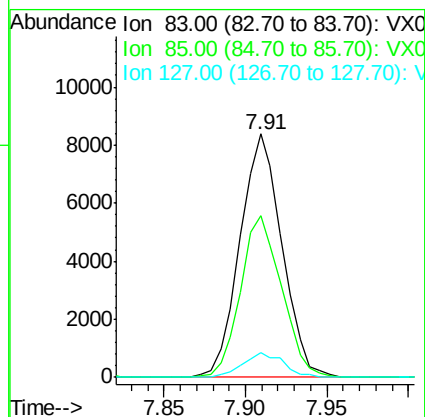
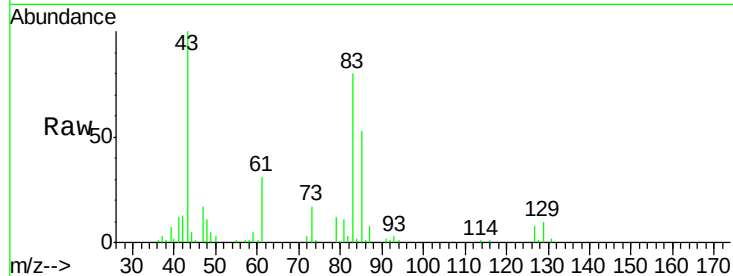
Tgt Ion: 83 Resp: 15023

Ion Ratio Lower Upper

83 100

85 66.5 50.0 75.0

127 11.5 6.6 10.0#



#42

Vinyl Acetate

Concen: 49.73 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000111.D

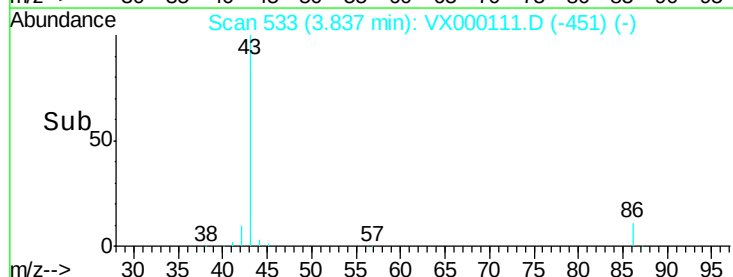
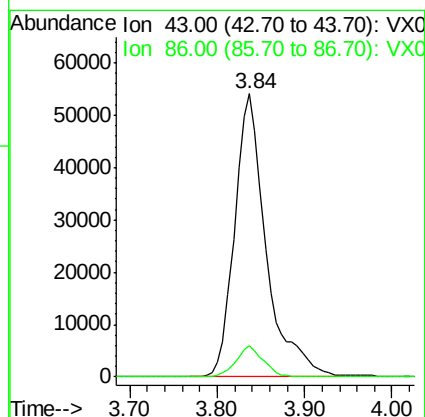
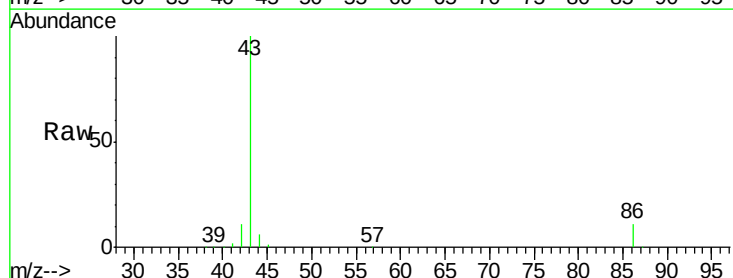
Acq: 20 Feb 2018 16:30

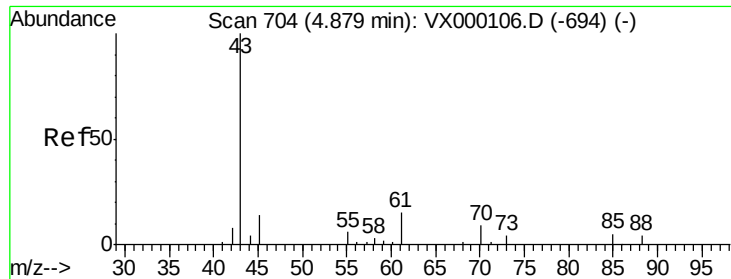
Tgt Ion: 43 Resp: 136098

Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.6





#43

Ethyl Acetate

Concen: 9.82 ug/l

RT: 4.89 min Scan# 705

Delta R.T. 0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

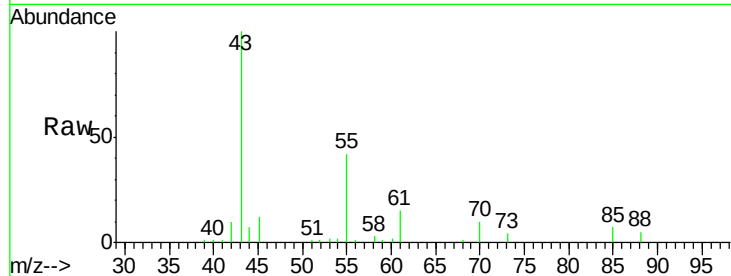
VSTDIC010

Tgt Ion: 43 Resp: 19537

Ion Ratio Lower Upper

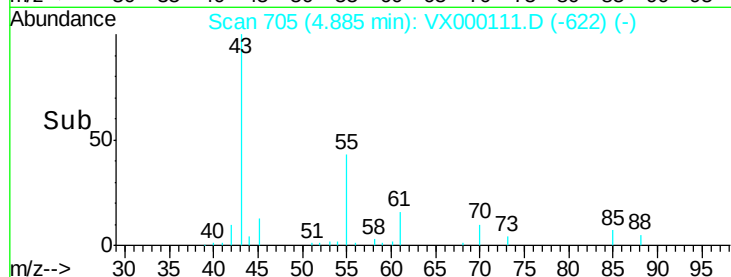
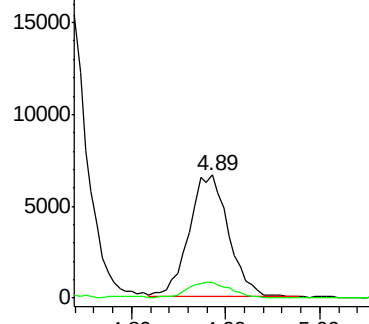
43 100

45 14.0 11.4 17.0

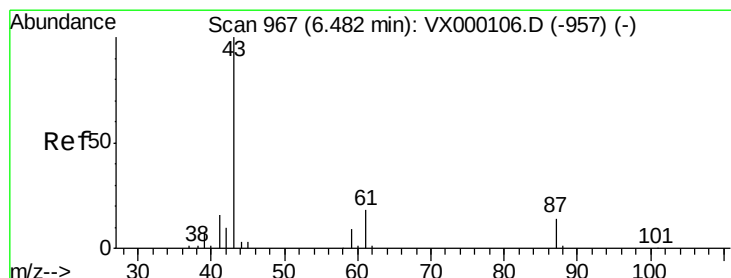


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#44

Isopropyl Acetate

Concen: 10.18 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000111.D

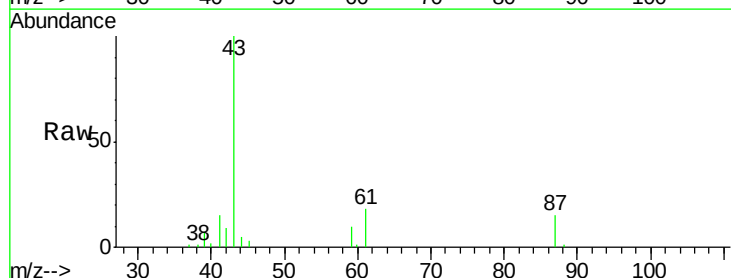
Acq: 20 Feb 2018 16:30

Tgt Ion: 43 Resp: 28915

Ion Ratio Lower Upper

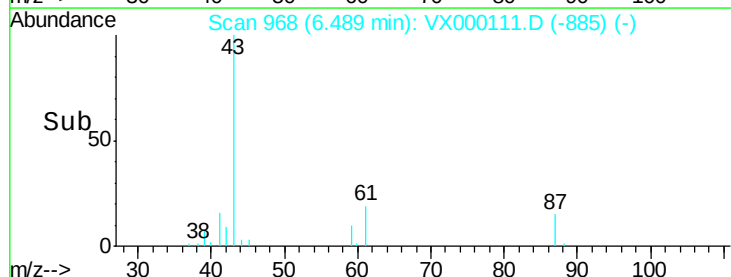
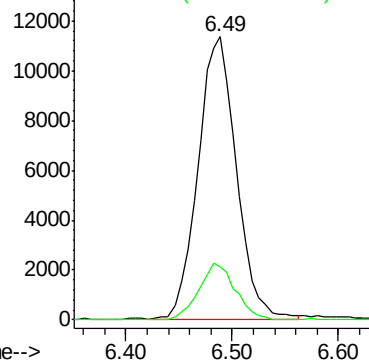
43 100

61 18.8 15.7 23.5

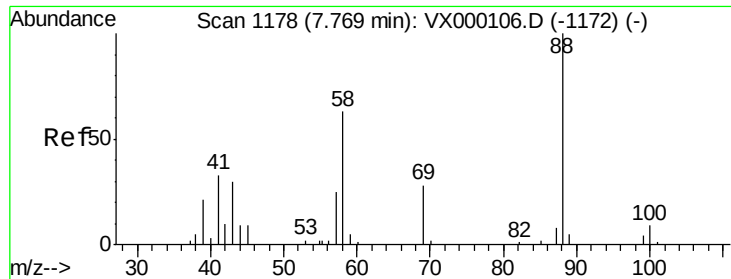


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



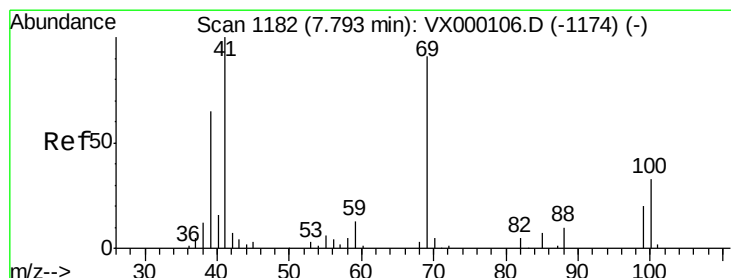
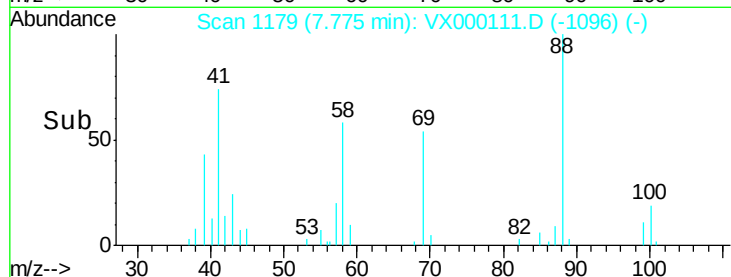
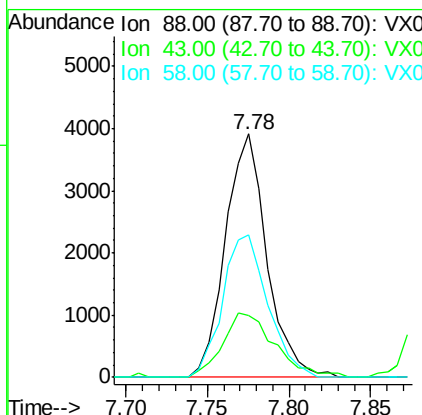
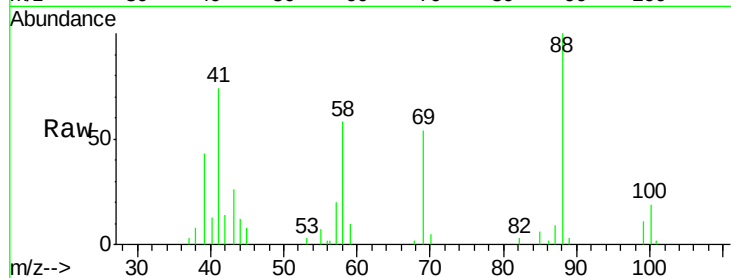
Time-->



#45
1,4-Dioxane
Concen: 196.28 ug/l
RT: 7.78 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

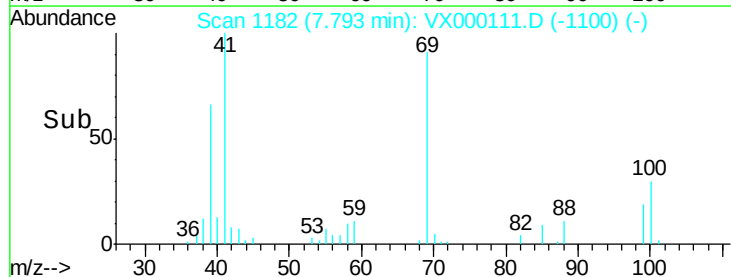
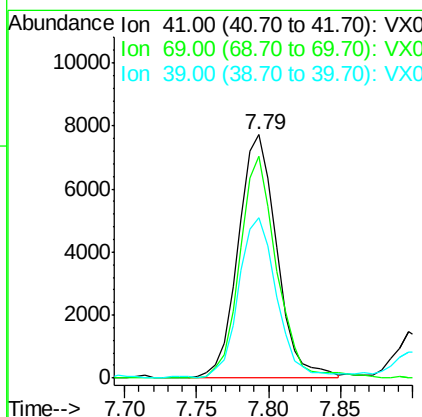
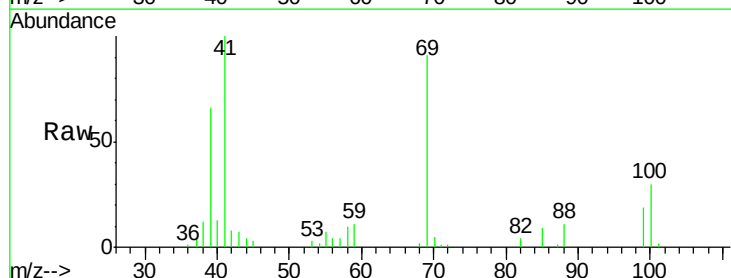
Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

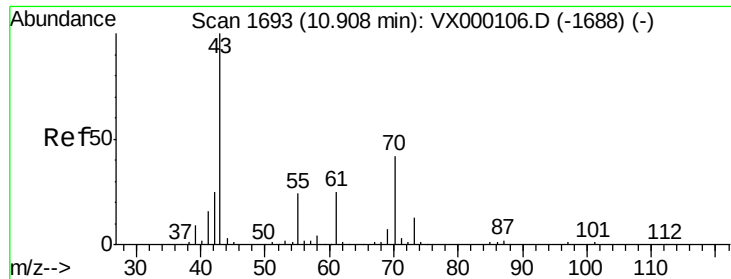
Tgt Ion: 88 Resp: 6905
Ion Ratio Lower Upper
88 100
43 32.7 26.8 40.2
58 63.9 52.1 78.1



#46
Methyl methacrylate
Concen: 10.38 ug/l
RT: 7.79 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 41 Resp: 14400
Ion Ratio Lower Upper
41 100
69 91.2 45.5 136.5
39 65.0 32.5 97.5





#47

n-amyl Acetate

Concen: 9.98 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

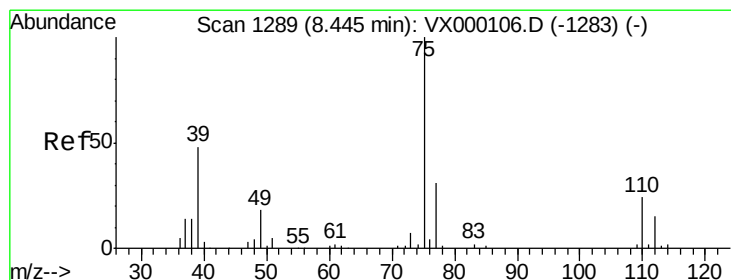
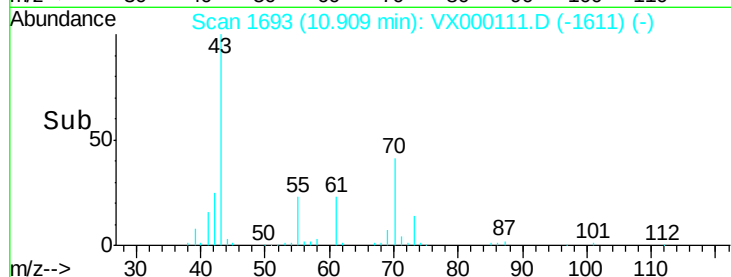
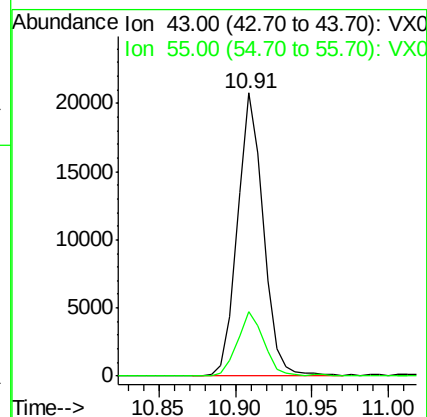
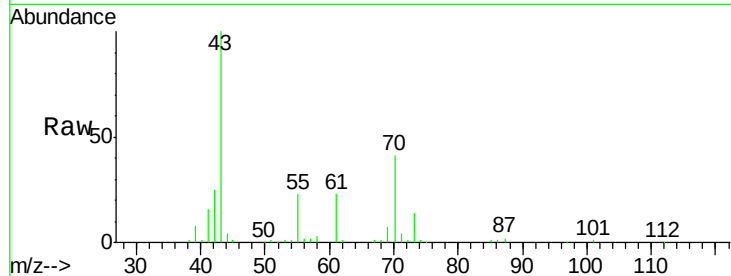
VSTDIC010

Tgt Ion: 43 Resp: 24367

Ion Ratio Lower Upper

43 100

55 23.4 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 9.72 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000111.D

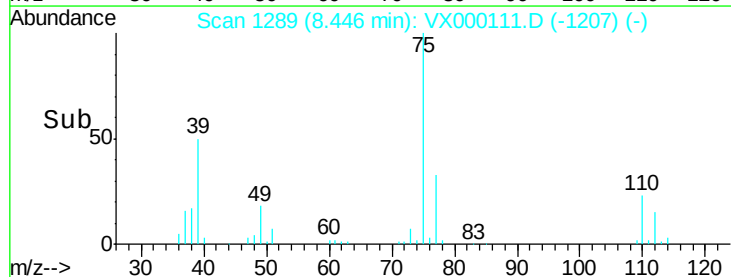
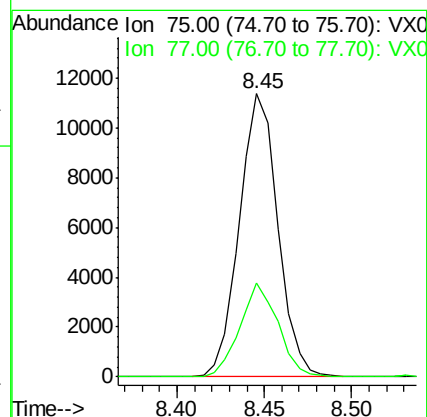
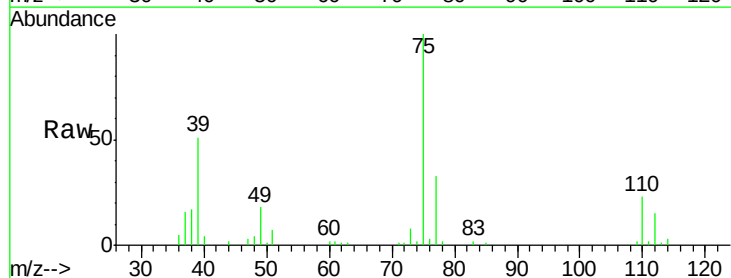
Acq: 20 Feb 2018 16:30

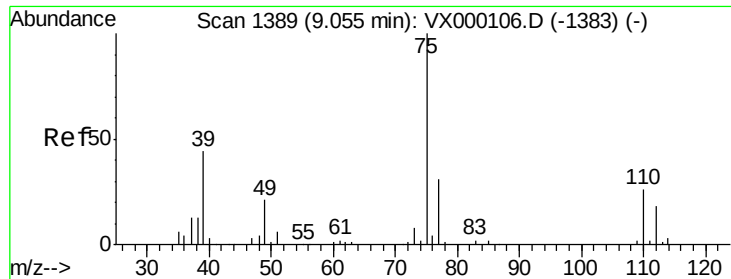
Tgt Ion: 75 Resp: 17401

Ion Ratio Lower Upper

75 100

77 33.2 24.6 37.0



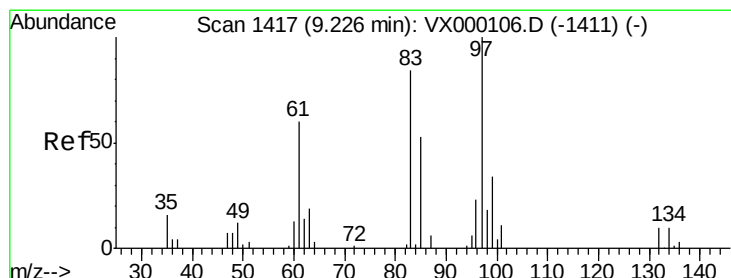
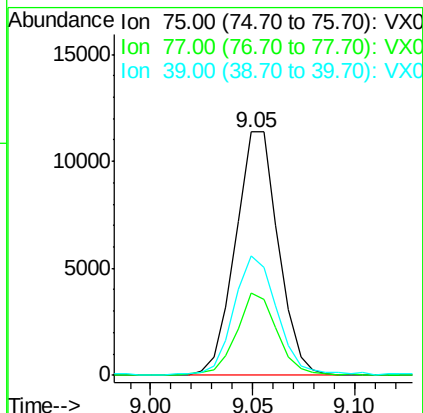
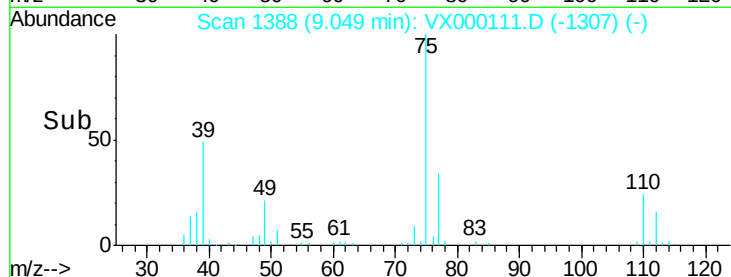
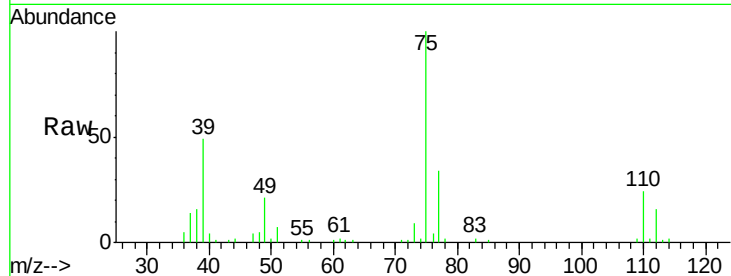


#49

cis-1,3-Dichloropropene
Concen: 9.62 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

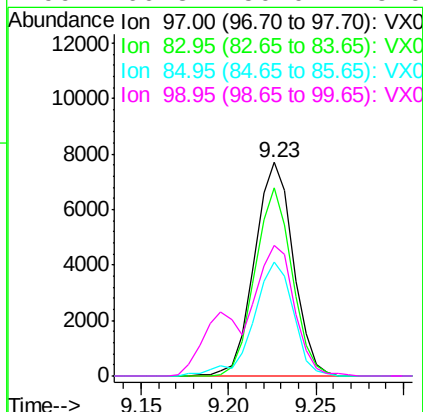
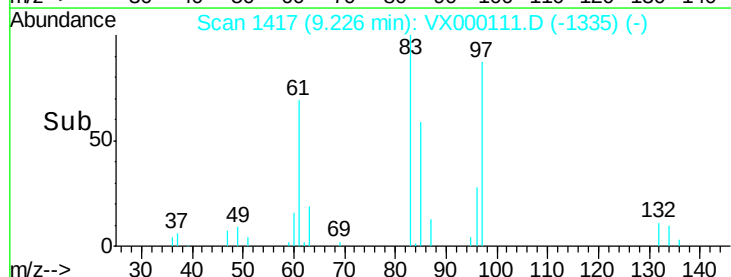
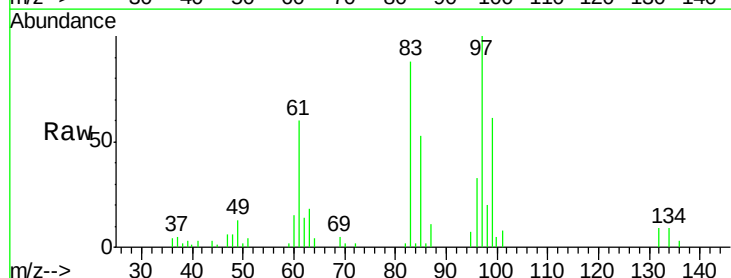
Tgt Ion: 75 Resp: 16650
Ion Ratio Lower Upper
75 100
77 33.9 24.5 36.7
39 48.4 35.6 53.4

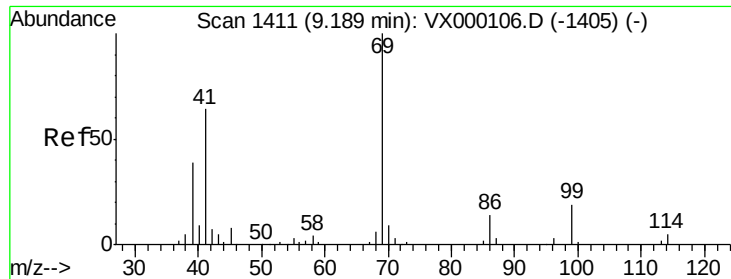


#50

1,1,2-Trichloroethane
Concen: 10.38 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 97 Resp: 11842
Ion Ratio Lower Upper
97 100
83 88.2 66.9 100.3
85 53.5 44.4 66.6
99 60.3 50.0 75.0





#51

Ethyl methacrylate

Concen: 10.24 ug/l

RT: 9.20 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

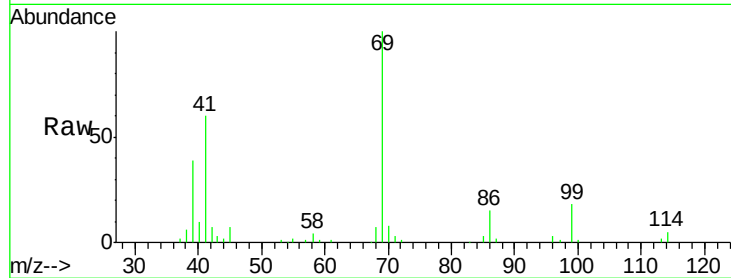
Tgt Ion: 69 Resp: 17795

Ion Ratio Lower Upper

69 100

41 59.6 32.1 96.3

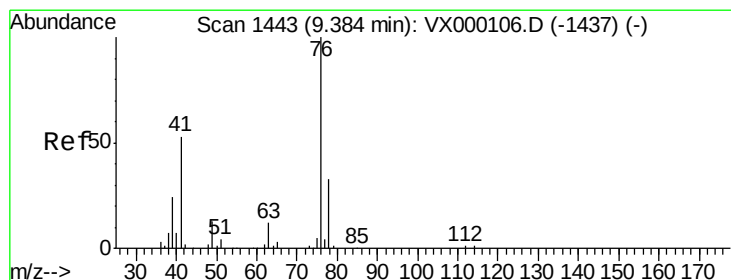
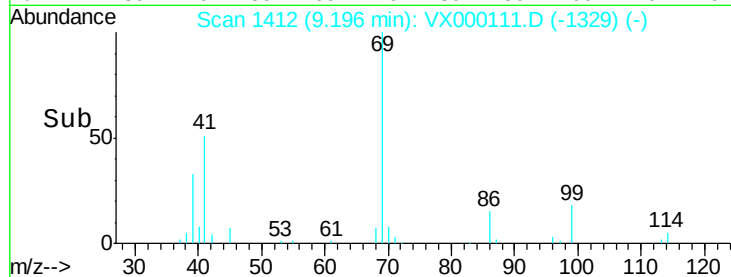
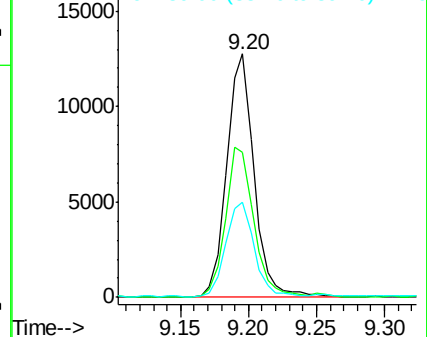
39 39.0 19.6 58.7



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 9.84 ug/l

RT: 9.38 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VX000111.D

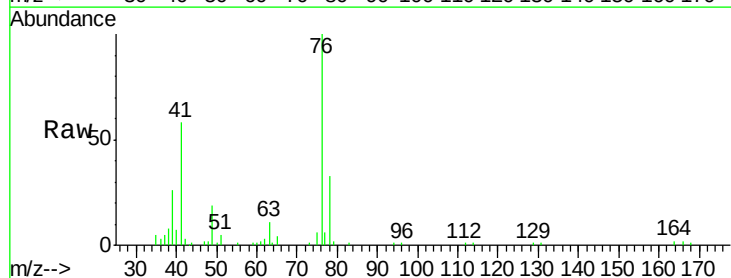
Acq: 20 Feb 2018 16:30

Tgt Ion: 76 Resp: 18660

Ion Ratio Lower Upper

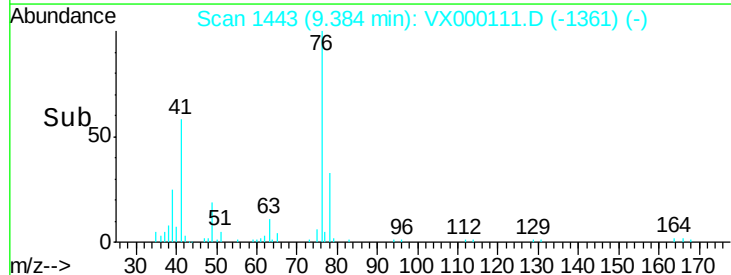
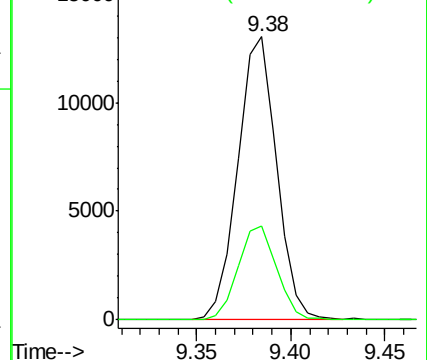
76 100

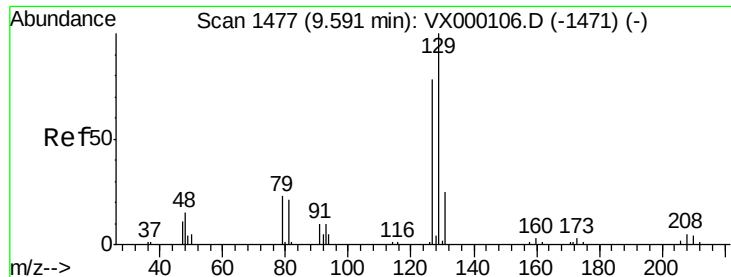
78 33.0 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

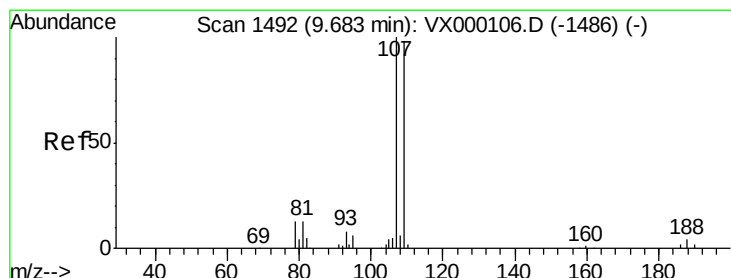
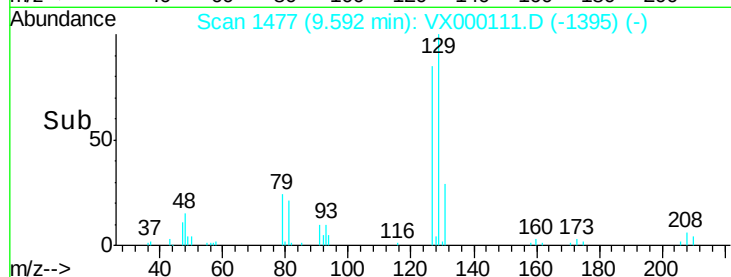
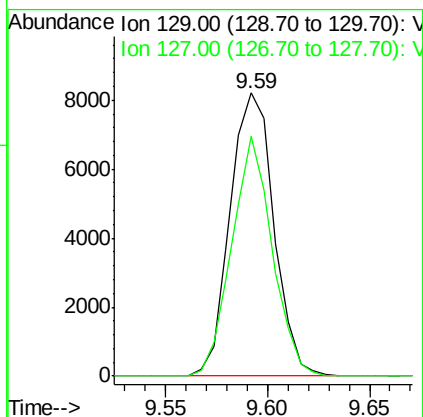
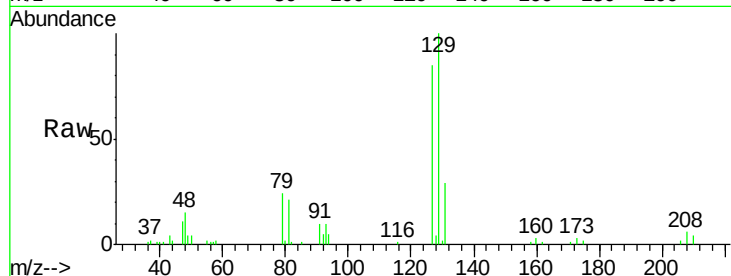




#53
Dibromochloromethane
Concen: 9.44 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

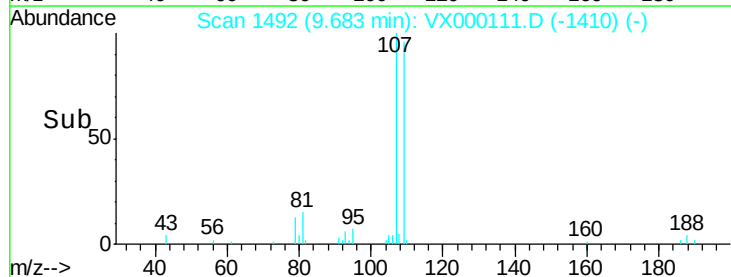
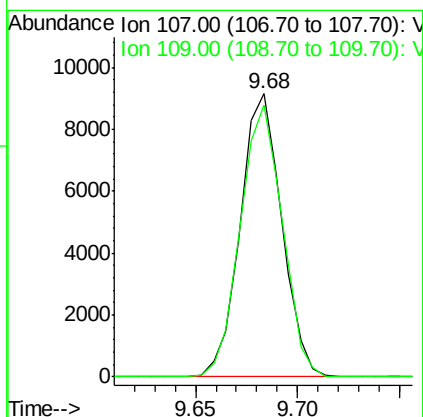
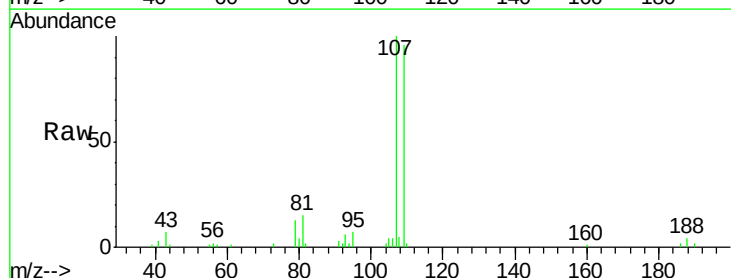
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

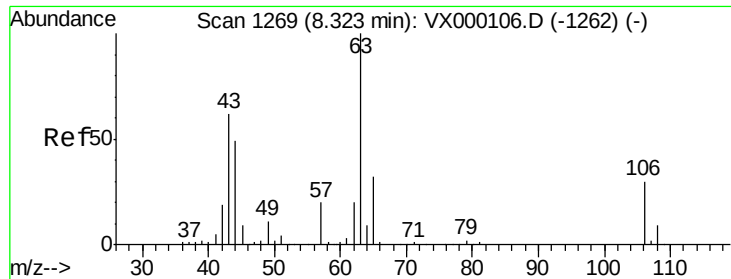
Tgt Ion:129 Resp: 12199
Ion Ratio Lower Upper
129 100
127 78.3 37.5 112.5



#54
1,2-Dibromoethane
Concen: 9.93 ug/l
RT: 9.68 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion:107 Resp: 12914
Ion Ratio Lower Upper
107 100
109 97.3 74.5 111.7

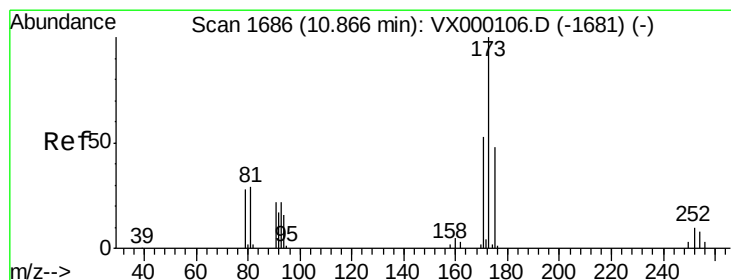
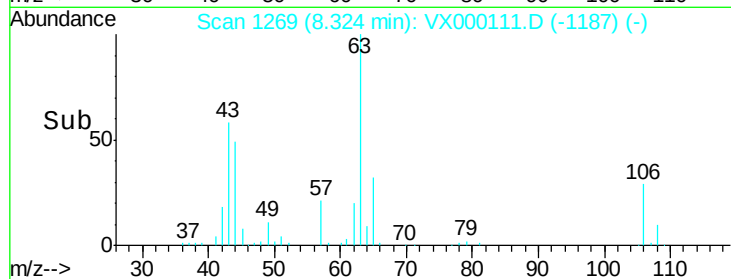
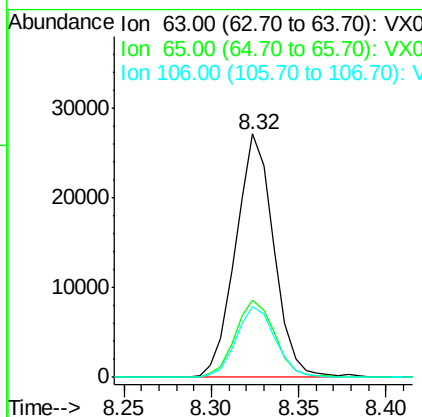
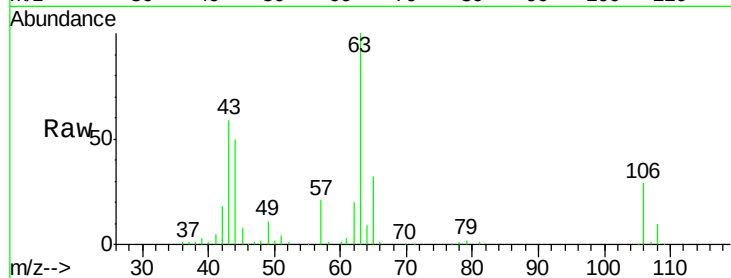




#55
 2-Chloroethyl vinyl ether
 Concen: 46.15 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

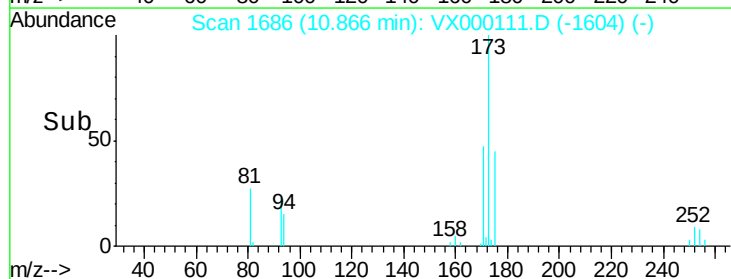
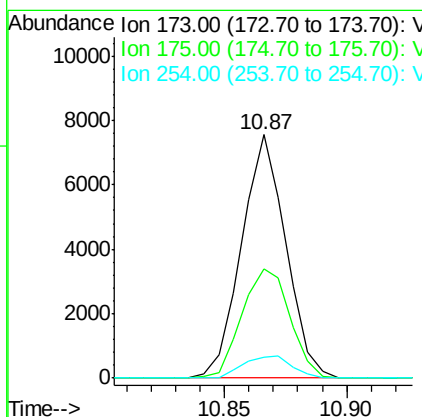
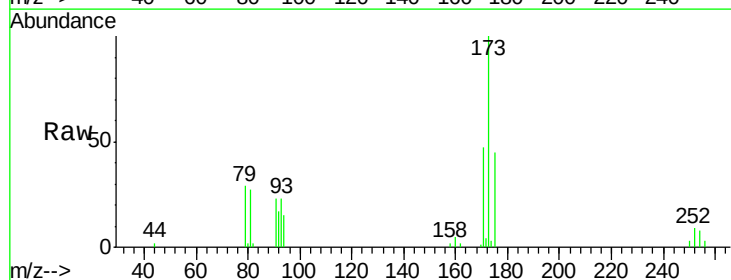
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

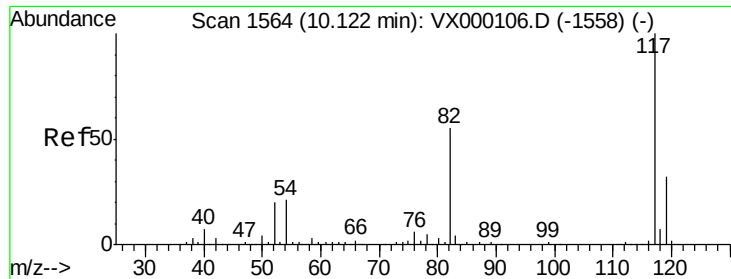
Tgt Ion: 63 Resp: 40893
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.8 38.8
 106 29.8 23.8 35.6



#56
 Bromoform
 Concen: 9.29 ug/l
 RT: 10.87 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 173 Resp: 9537
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 9.8 7.0 10.4

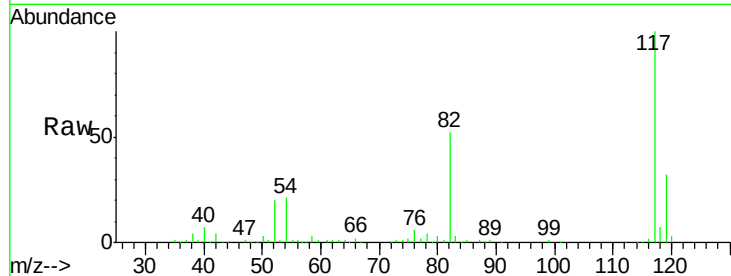




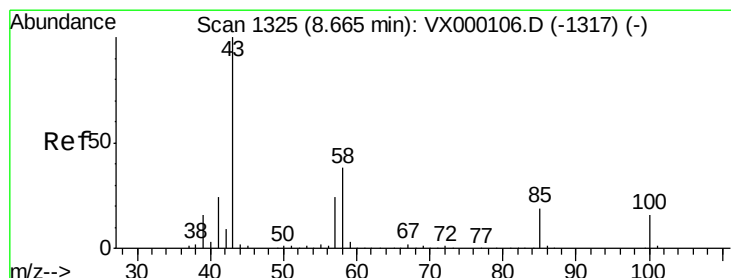
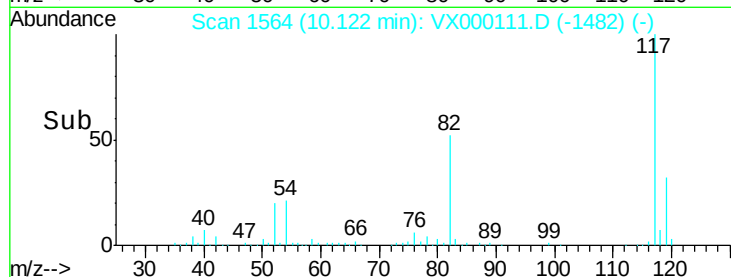
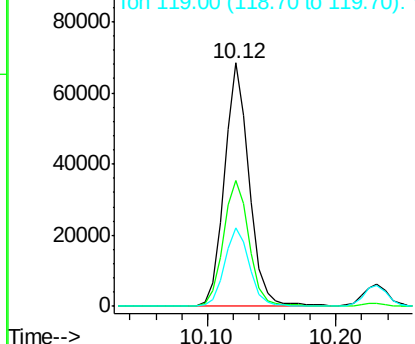
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tgt Ion: 117 Resp: 92480
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.4 25.8 38.8

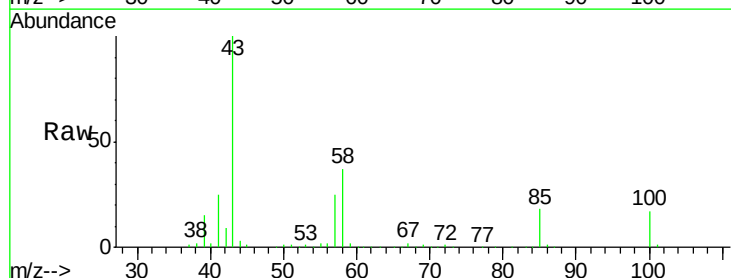


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

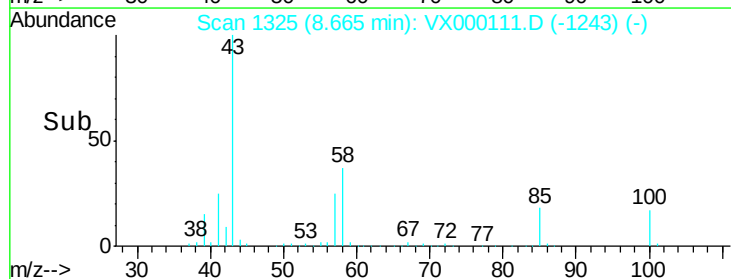
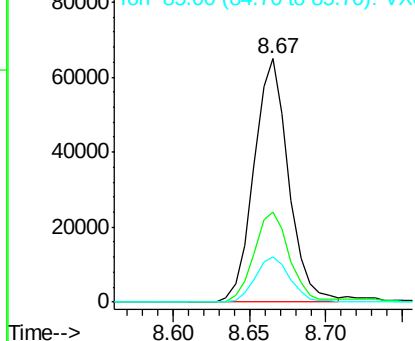


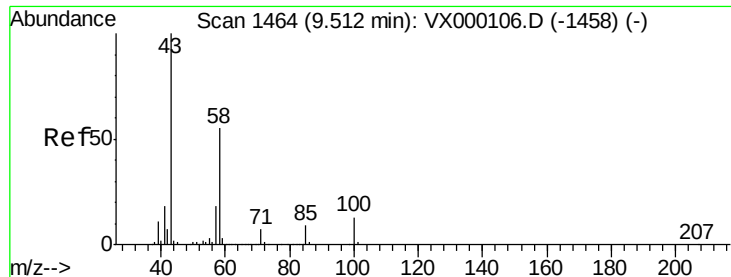
#58
4-Methyl-2-Pentanone
Concen: 49.02 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 43 Resp: 102138
Ion Ratio Lower Upper
43 100
58 37.9 29.8 44.8
85 19.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

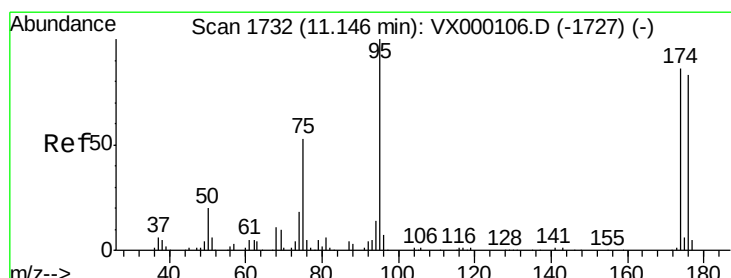
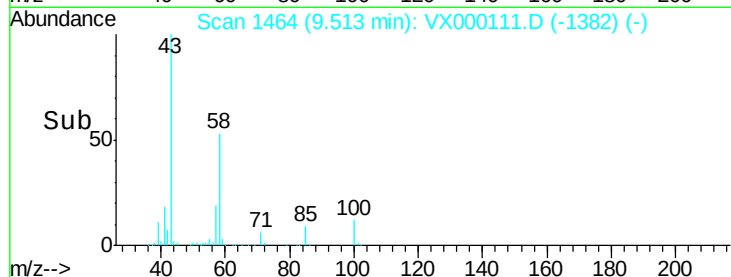
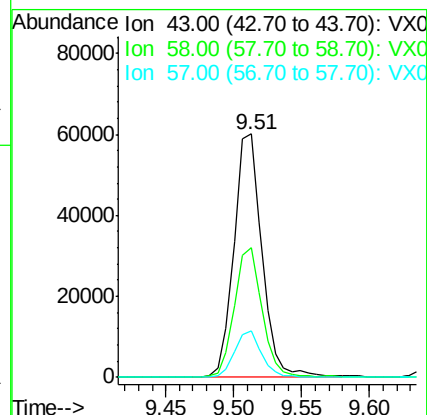
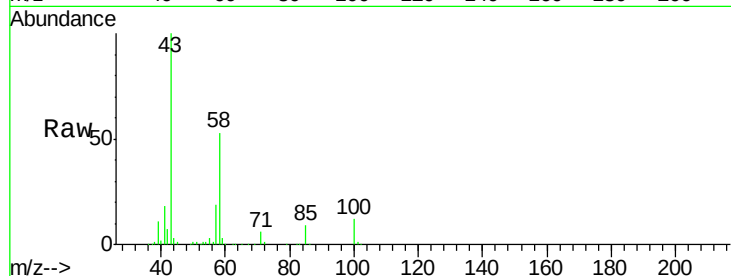




#59
2-Hexanone
Concen: 48.61 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

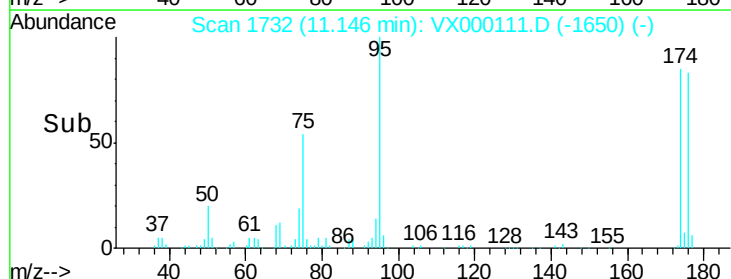
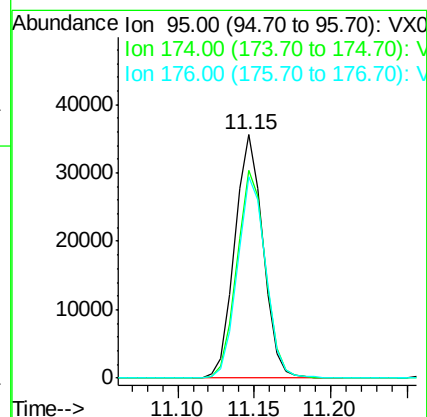
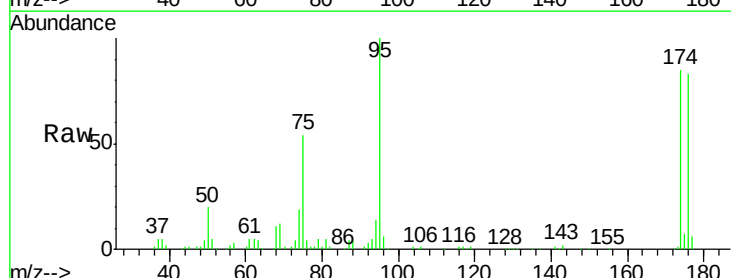
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

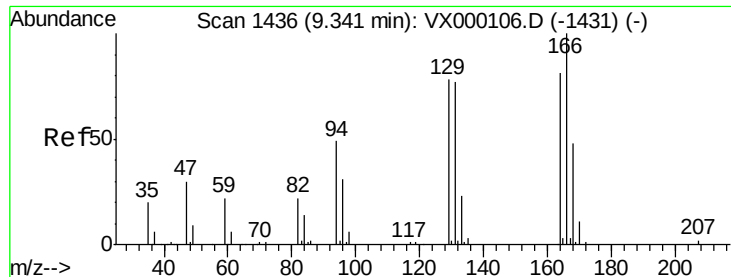
Tgt Ion: 43 Resp: 86246
Ion Ratio Lower Upper
43 100
58 52.7 43.0 64.6
57 18.5 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 30.30 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 95 Resp: 45602
Ion Ratio Lower Upper
95 100
174 85.6 71.1 106.7
176 82.7 69.3 103.9





#61

Tetrachloroethene

Concen: 9.90 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. 0.01 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tgt Ion:164 Resp: 11138

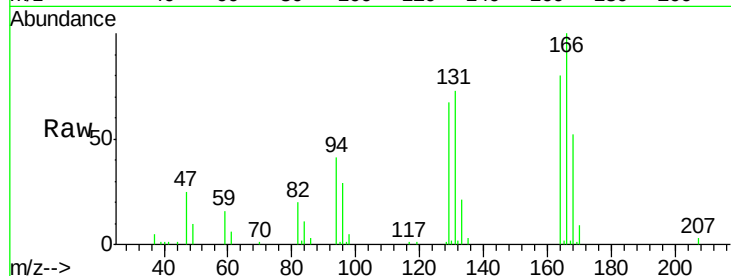
Ion Ratio Lower Upper

164 100

166 124.7 99.0 148.4

129 83.5 77.0 115.6

131 91.4 75.8 113.6

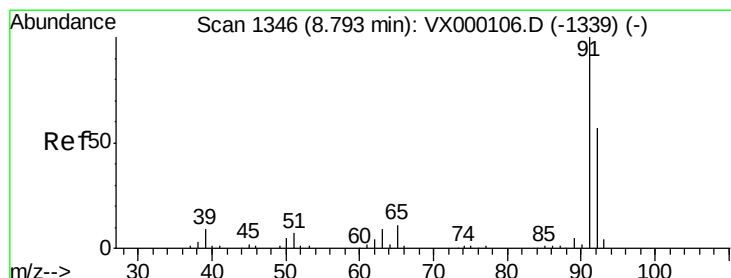
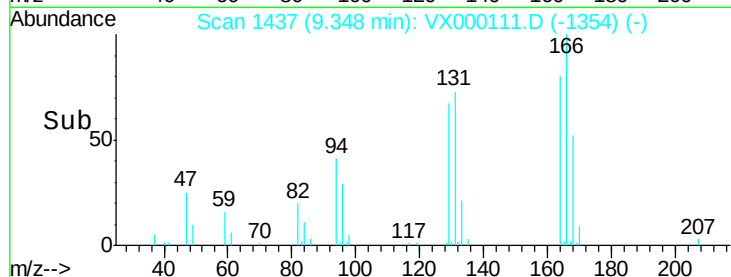
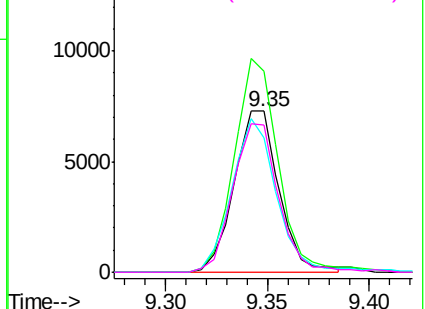


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 10.17 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000111.D

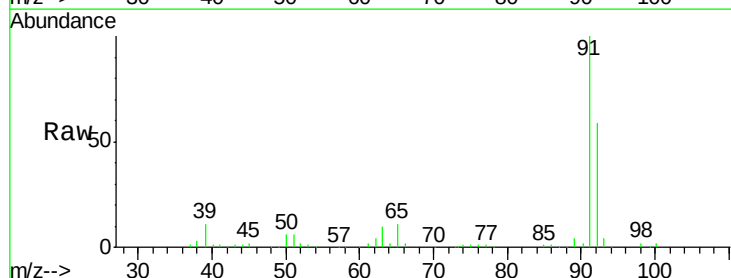
Acq: 20 Feb 2018 16:30

Tgt Ion: 91 Resp: 49435

Ion Ratio Lower Upper

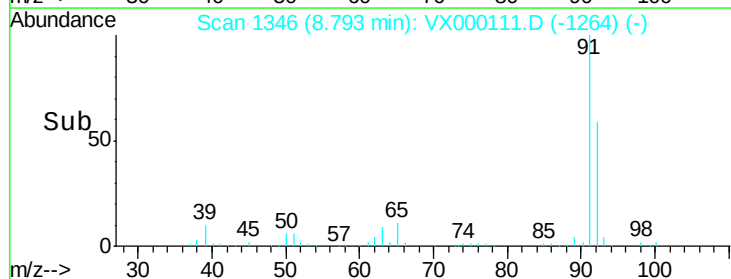
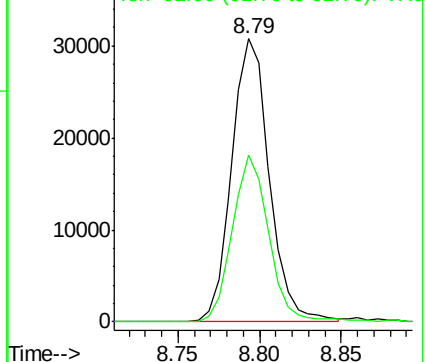
91 100

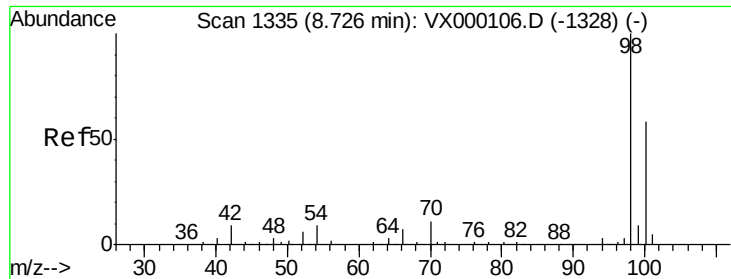
92 57.4 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.24 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

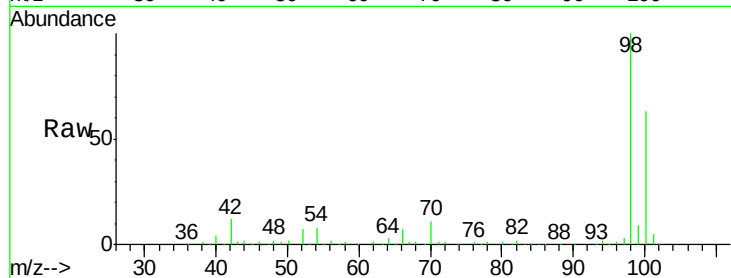
VSTDIC010

Tgt Ion: 98 Resp: 119971

Ion Ratio Lower Upper

98 100

100 64.8 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX000106.D (-1328) (-)

Ion 100.00 (99.70 to 100.70): VX000106.D (-1328) (-)

8.73

80000

60000

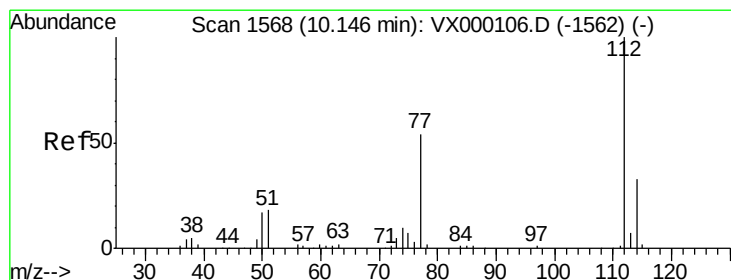
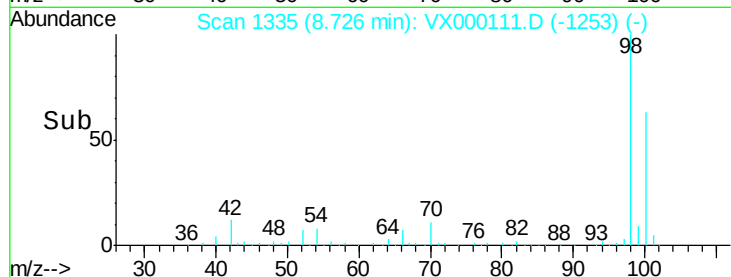
40000

20000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 10.21 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000111.D

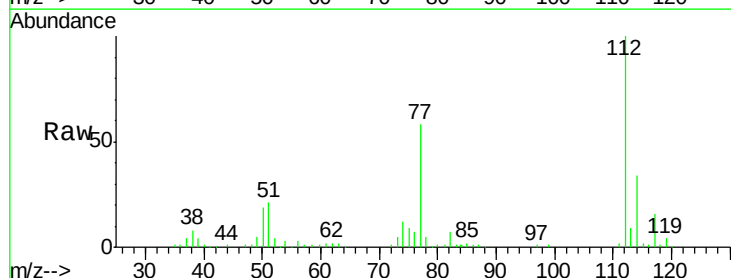
Acq: 20 Feb 2018 16:30

Tgt Ion: 112 Resp: 33092

Ion Ratio Lower Upper

112 100

114 33.7 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): VX000106.D (-1562) (-)

Ion 114.00 (113.70 to 114.70): VX000106.D (-1562) (-)

10.15

25000

20000

15000

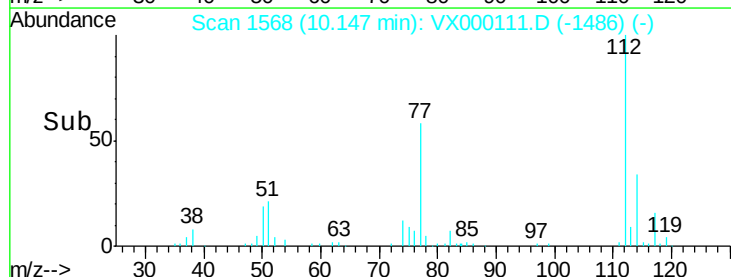
10000

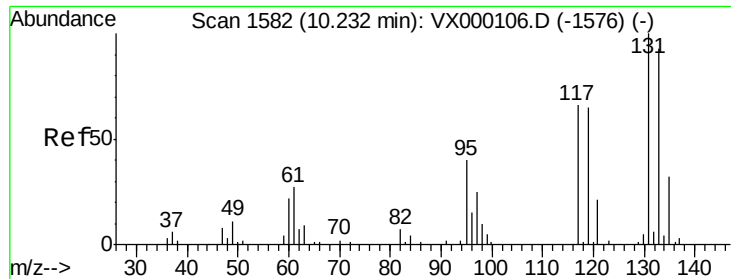
5000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 10.02 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

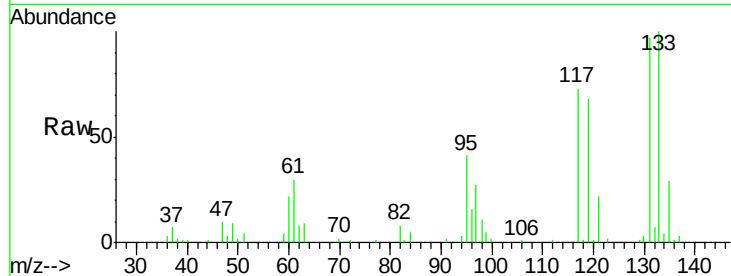
Tgt Ion:131 Resp: 11580

Ion Ratio Lower Upper

131 100

133 95.3 0.0 187.6

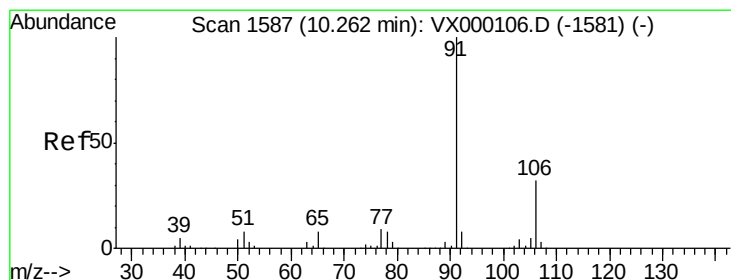
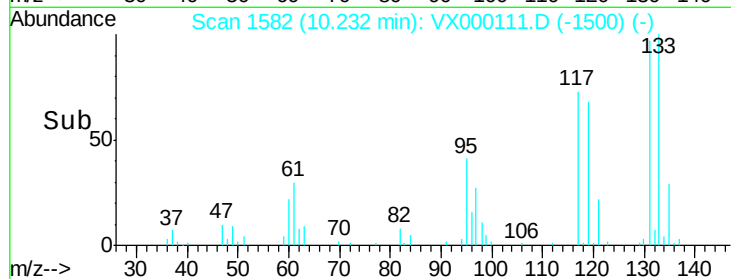
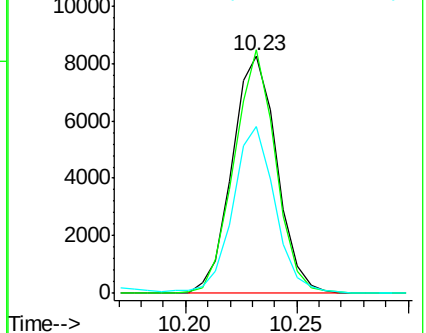
119 66.8 0.0 134.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 10.06 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000111.D

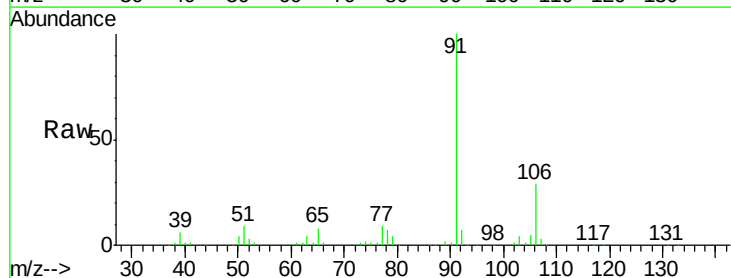
Acq: 20 Feb 2018 16:30

Tgt Ion: 91 Resp: 56161

Ion Ratio Lower Upper

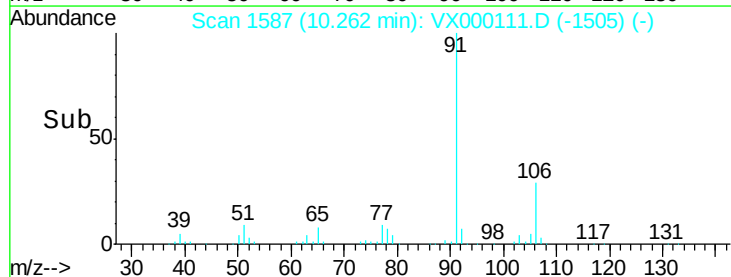
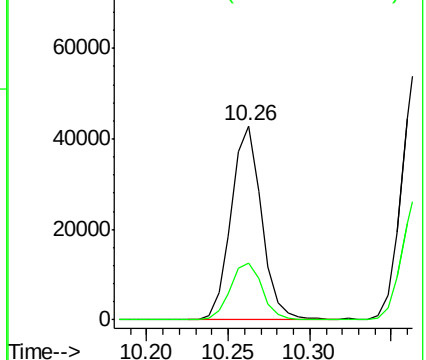
91 100

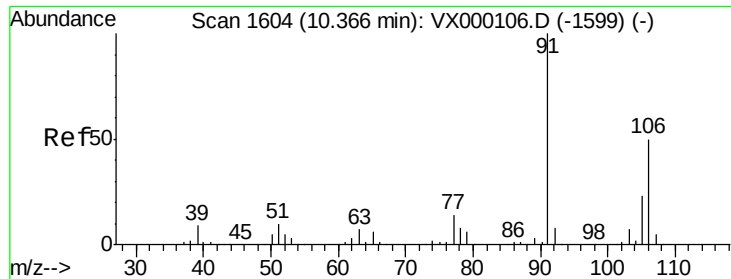
106 29.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 20.08 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

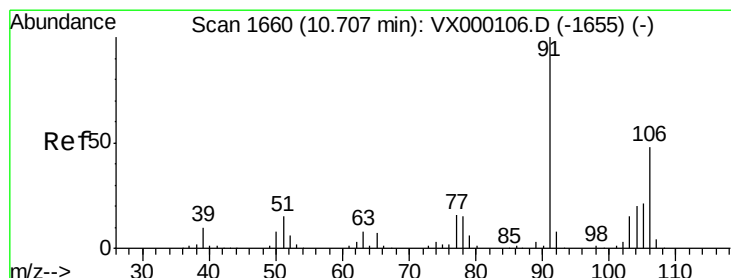
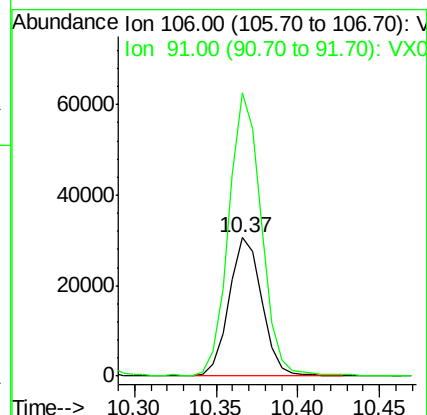
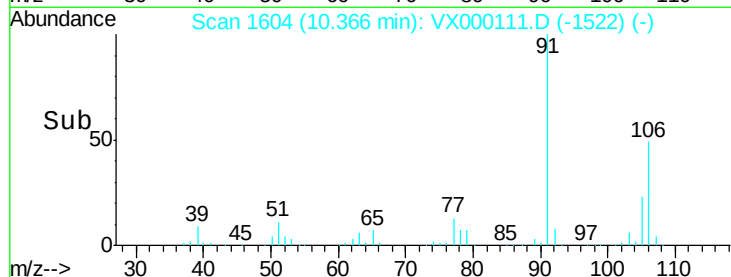
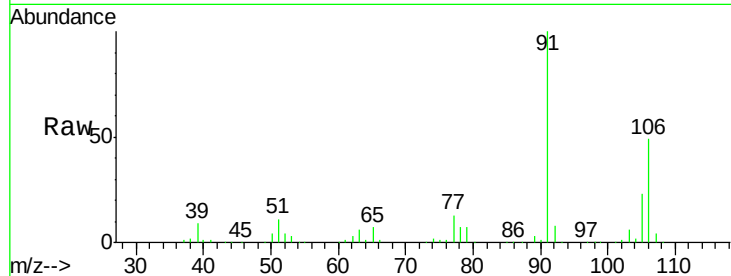
VSTDIC010

Tgt Ion:106 Resp: 43001

Ion Ratio Lower Upper

106 100

91 201.9 161.6 242.4



#68

o-Xylene

Concen: 9.91 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX000111.D

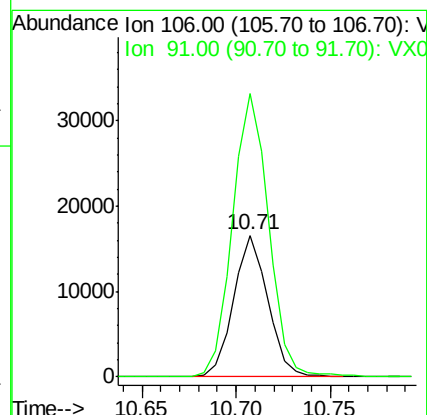
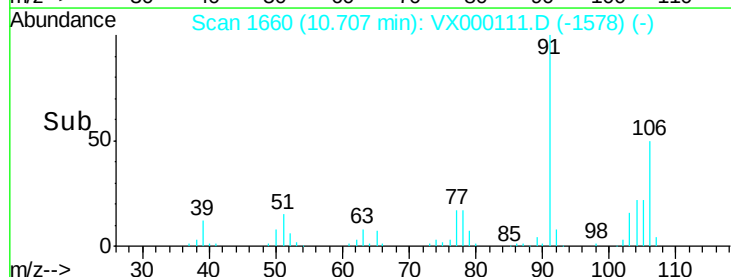
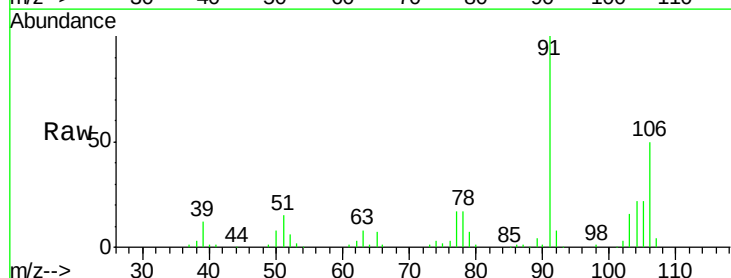
Acq: 20 Feb 2018 16:30

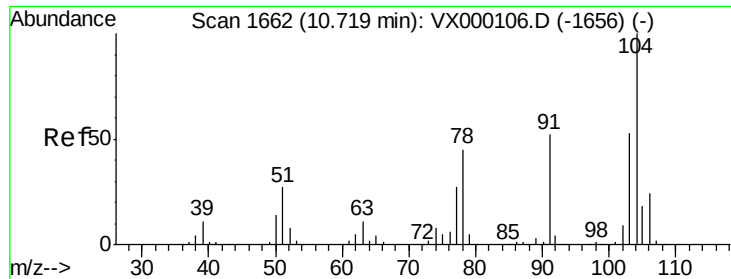
Tgt Ion:106 Resp: 20944

Ion Ratio Lower Upper

106 100

91 210.7 105.6 316.8





#69

Styrene

Concen: 9.78 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

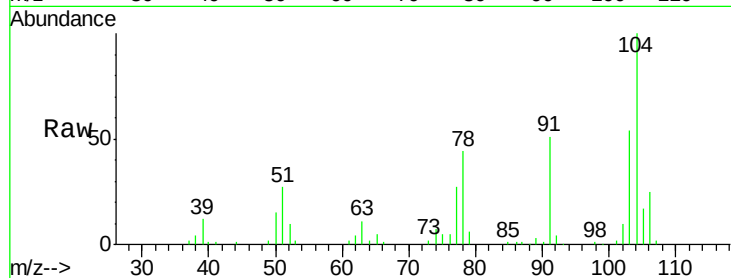
Tgt Ion:104 Resp: 34175

Ion Ratio Lower Upper

104 100

78 49.3 39.0 58.4

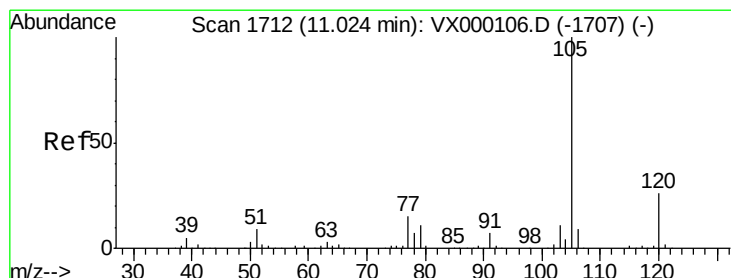
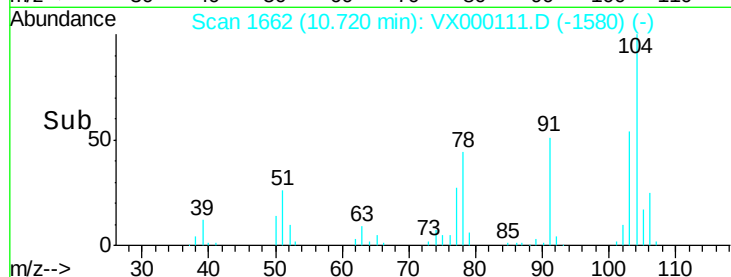
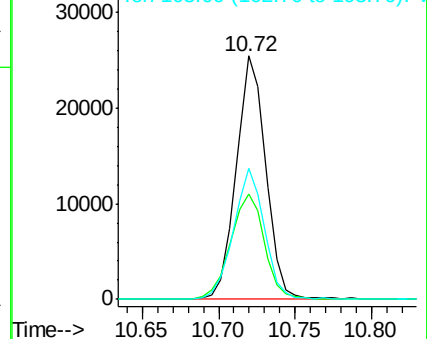
103 56.3 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 9.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000111.D

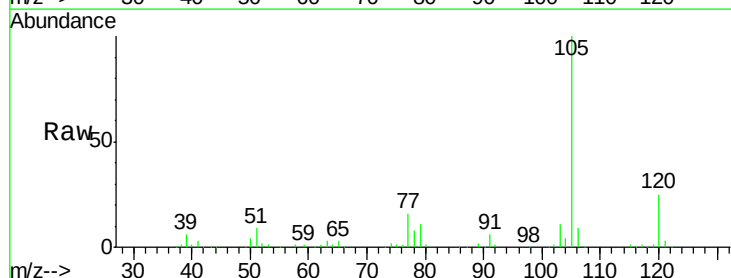
Acq: 20 Feb 2018 16:30

Tgt Ion:105 Resp: 56659

Ion Ratio Lower Upper

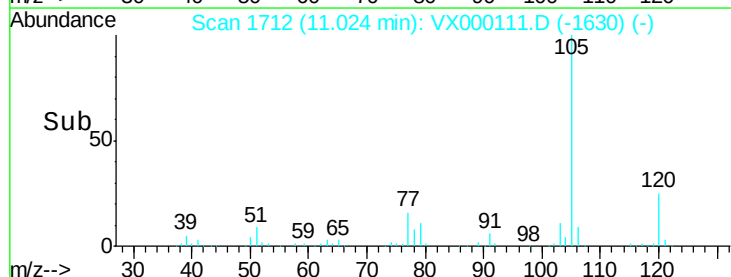
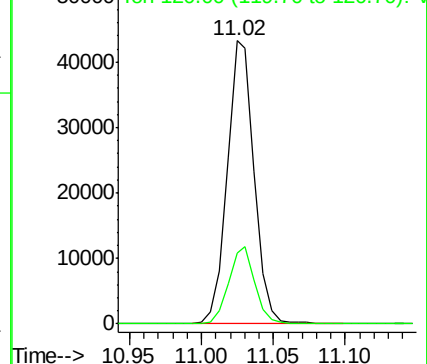
105 100

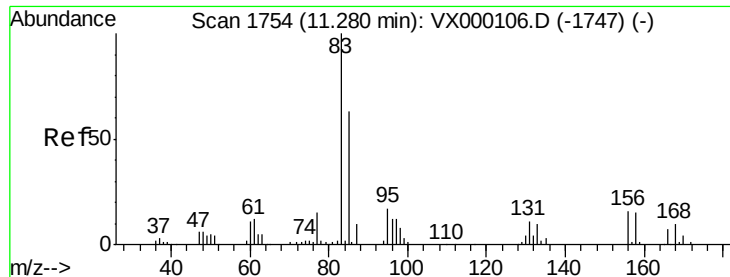
120 26.5 18.8 35.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 9.97 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

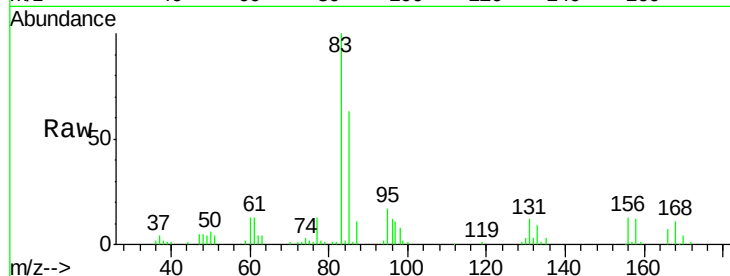
Tgt Ion: 83 Resp: 19627

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

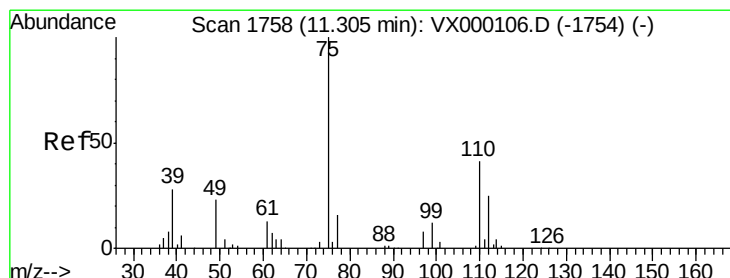
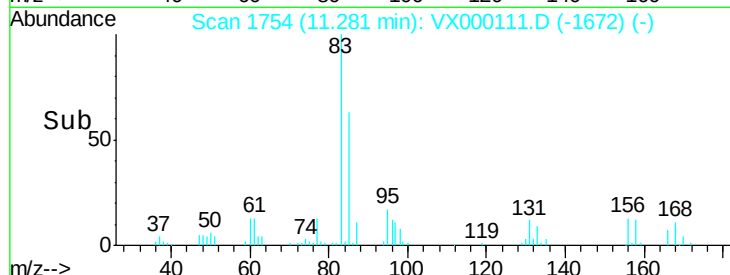
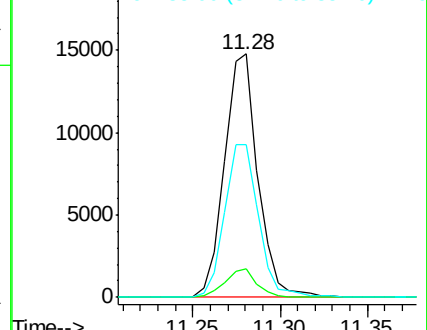
85 64.3 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 12.92 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000111.D

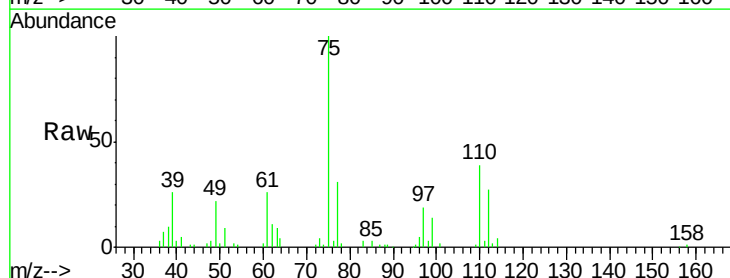
Acq: 20 Feb 2018 16:30

Tgt Ion: 75 Resp: 23353

Ion Ratio Lower Upper

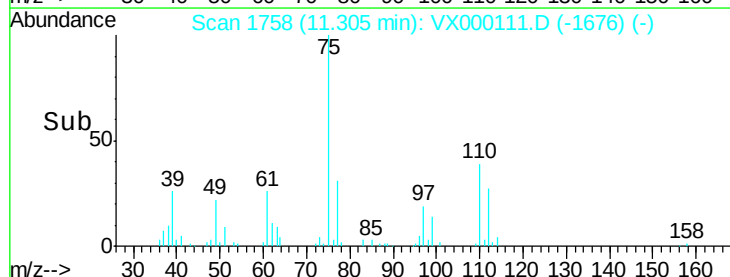
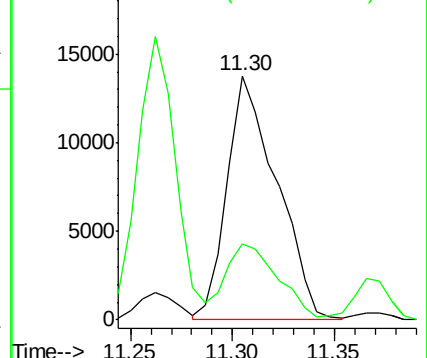
75 100

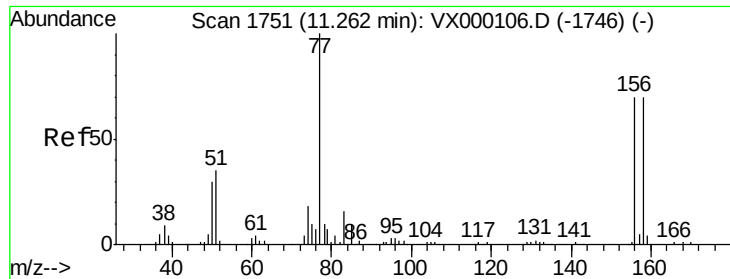
77 33.0 0.0 85.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 9.88 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

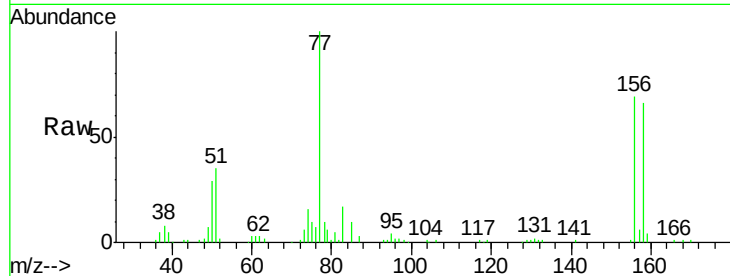
Tgt Ion:156 Resp: 14566

Ion Ratio Lower Upper

156 100

77 142.9 0.0 280.2

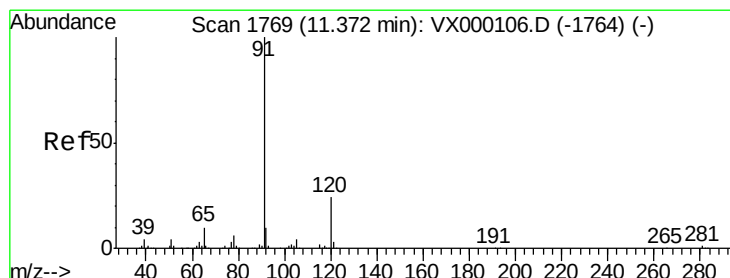
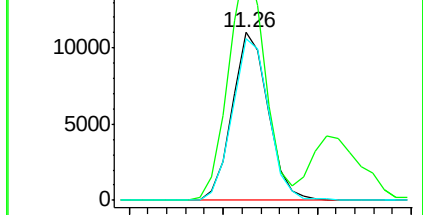
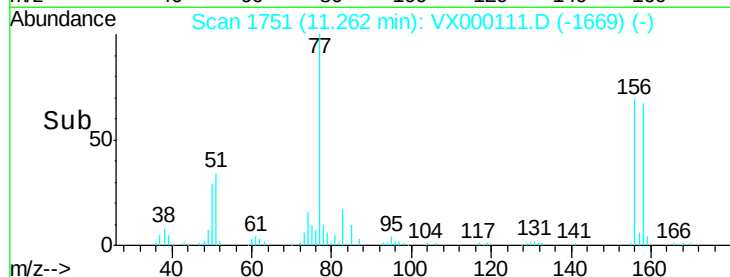
158 96.9 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 9.89 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.01 min

Lab File: VX000111.D

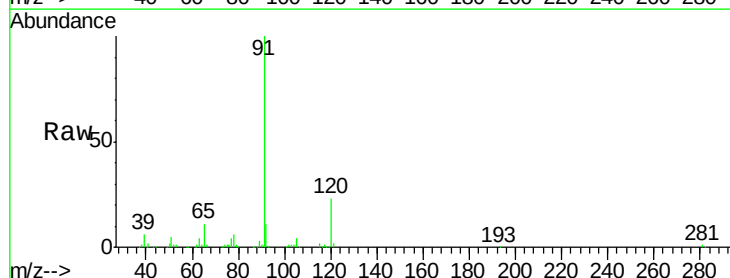
Acq: 20 Feb 2018 16:30

Tgt Ion: 91 Resp: 66112

Ion Ratio Lower Upper

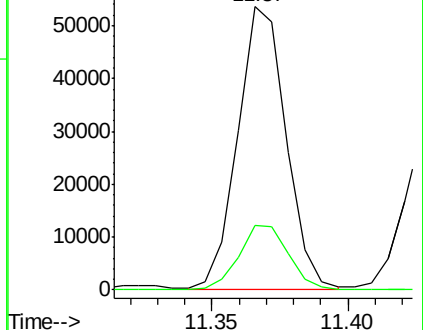
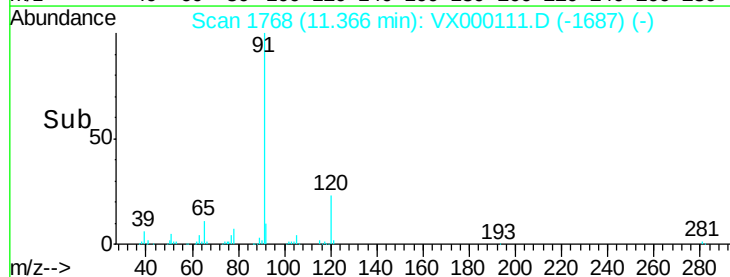
91 100

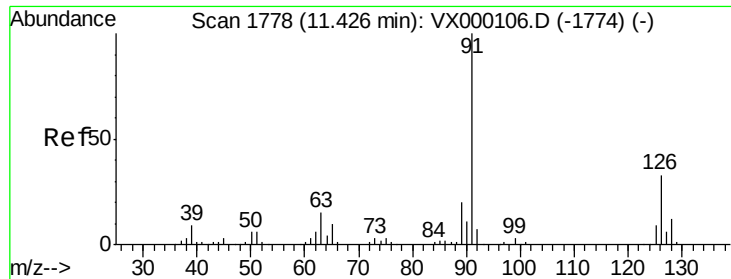
120 23.3 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 9.80 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

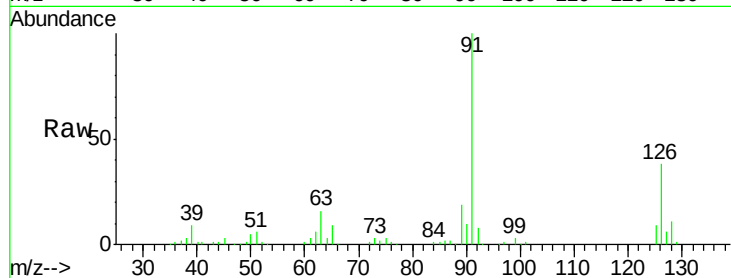
VSTDIC010

Tgt Ion: 91 Resp: 38263

Ion Ratio Lower Upper

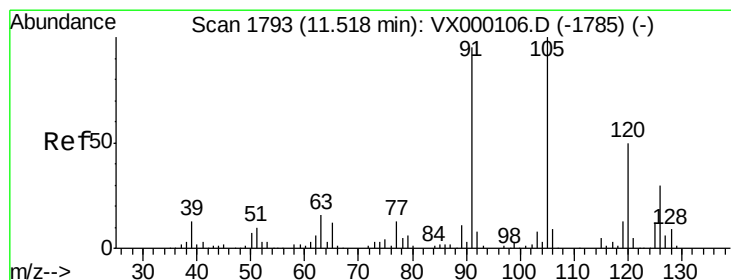
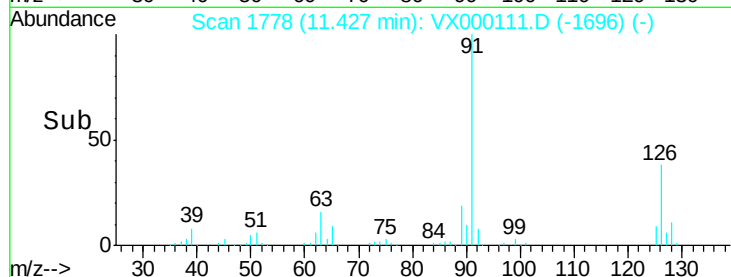
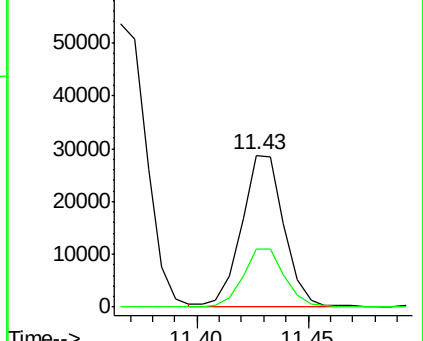
91 100

126 37.6 0.0 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 9.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000111.D

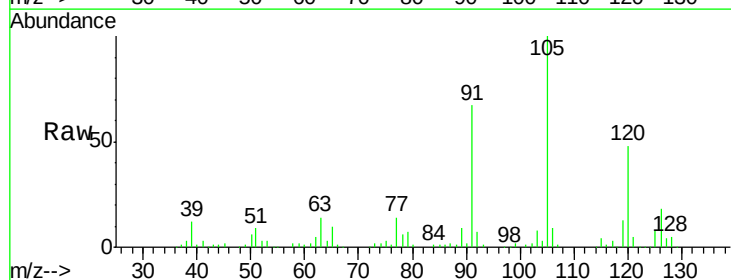
Acq: 20 Feb 2018 16:30

Tgt Ion: 105 Resp: 47676

Ion Ratio Lower Upper

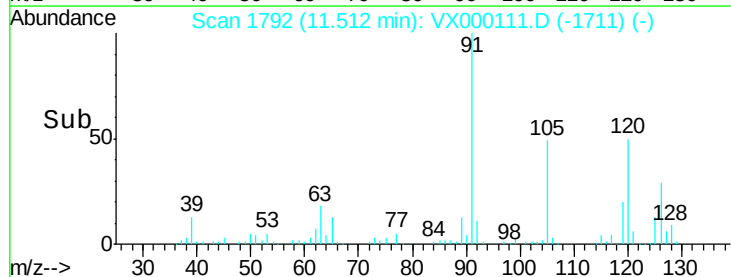
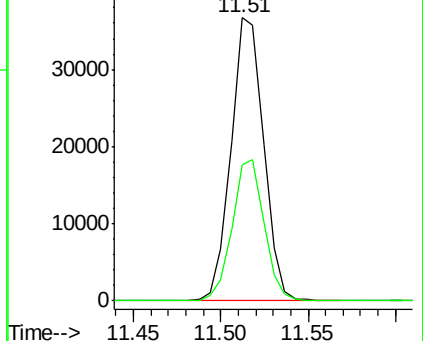
105 100

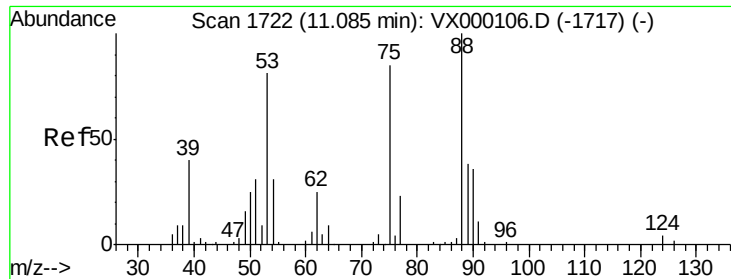
120 48.8 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 8.89 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

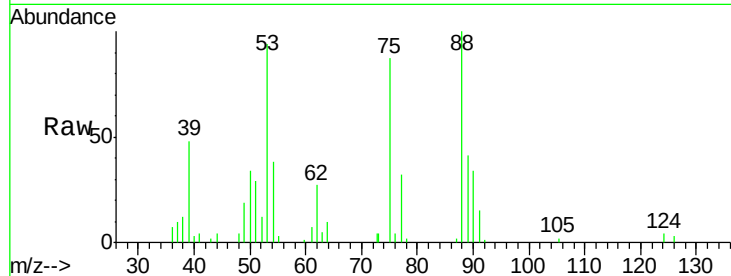
Tgt Ion: 75 Resp: 5607

Ion Ratio Lower Upper

75 100

53 107.7 47.8 143.3

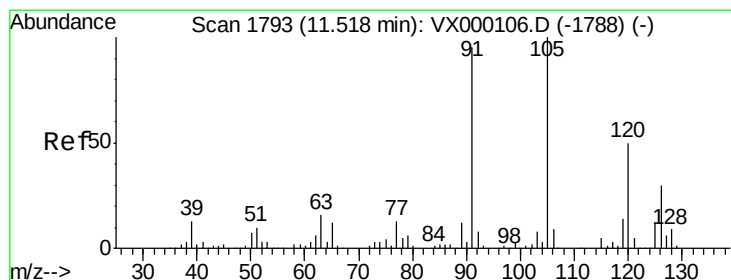
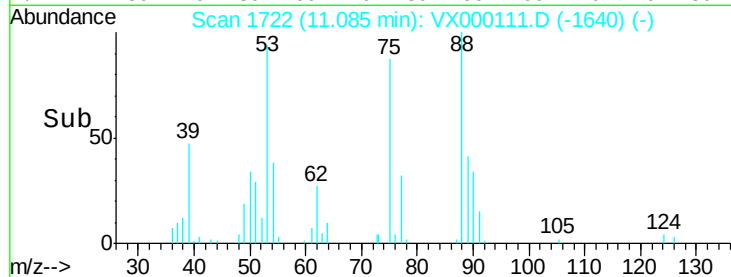
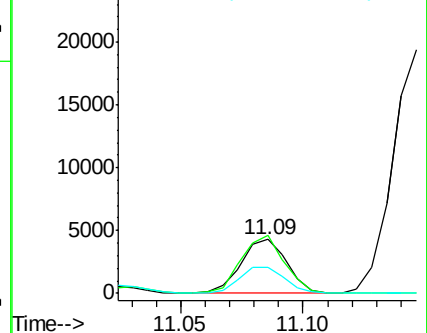
89 47.6 22.3 66.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 10.03 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000111.D

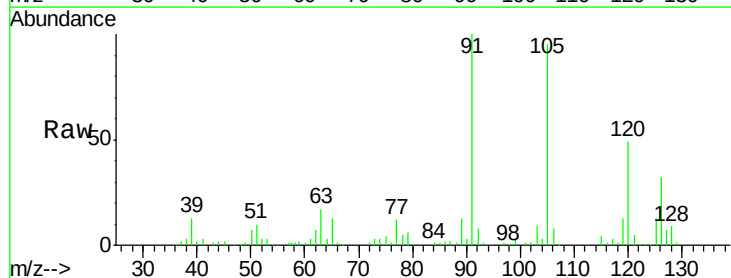
Acq: 20 Feb 2018 16:30

Tgt Ion: 91 Resp: 46199

Ion Ratio Lower Upper

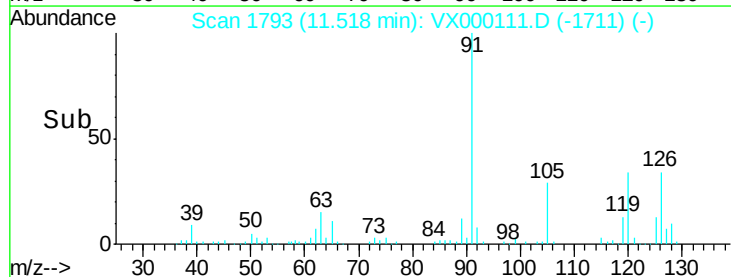
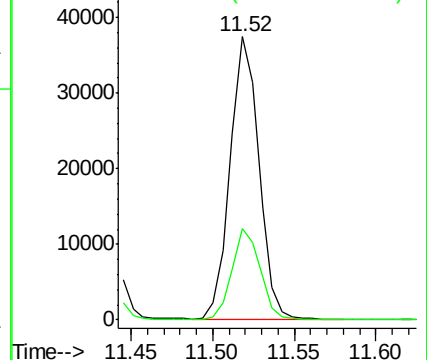
91 100

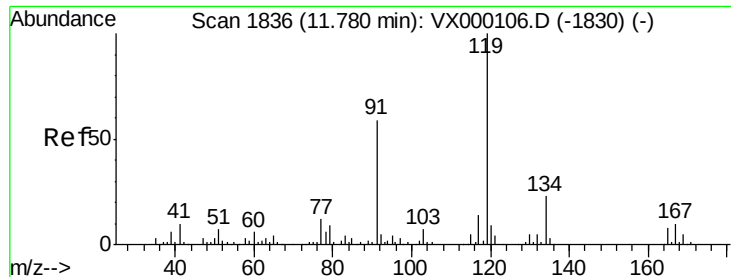
126 31.4 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

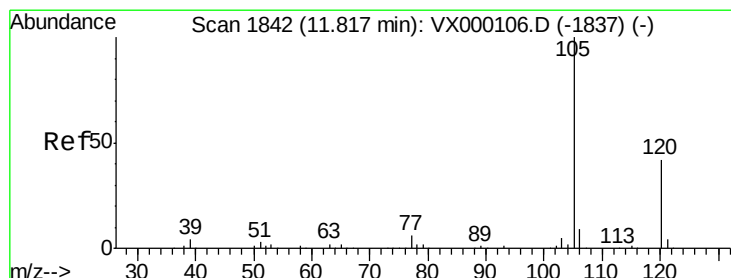
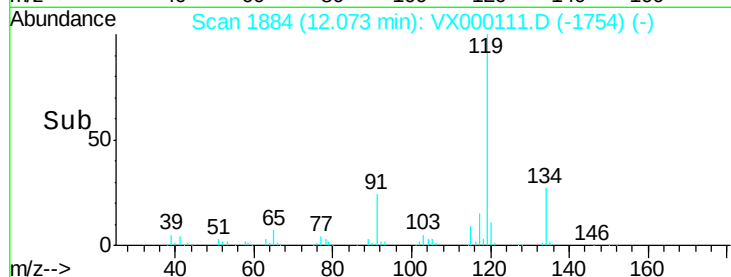
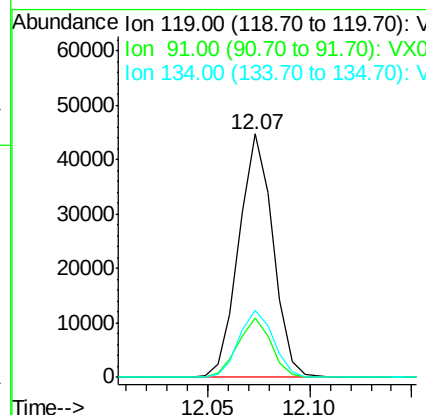
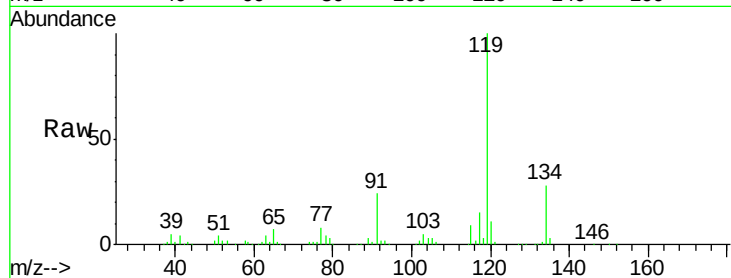




#79
tert-butylbenzene
Concen: 10.66 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.29 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

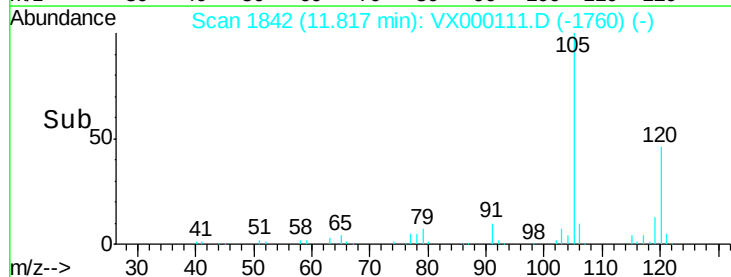
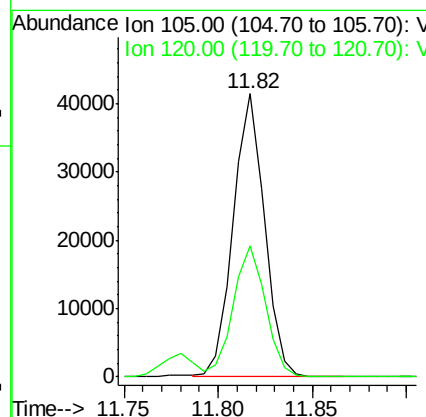
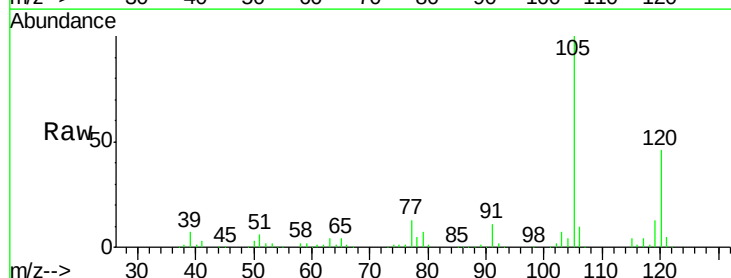
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

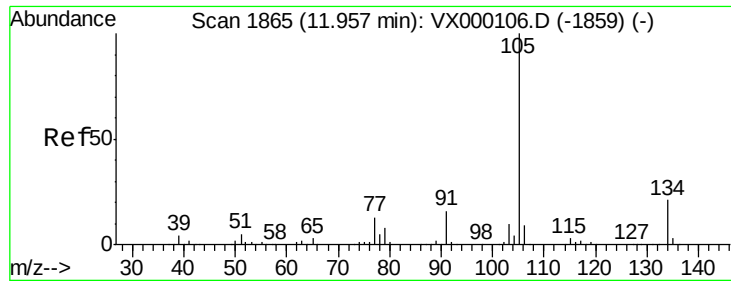
Tgt Ion:119 Resp: 51648
Ion Ratio Lower Upper
119 100
91 23.9 0.0 51.6
134 27.9 0.0 60.2



#80
1,2,4-Trimethylbenzene
Concen: 9.59 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion:105 Resp: 47897
Ion Ratio Lower Upper
105 100
120 47.0 0.0 93.0

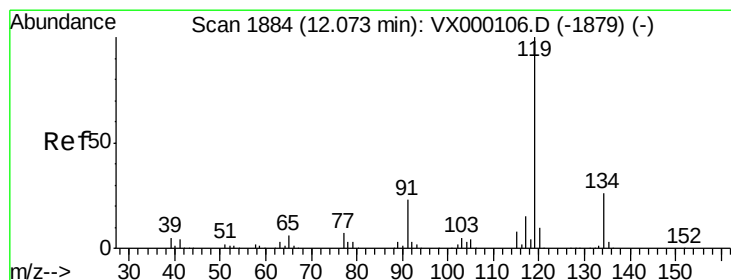
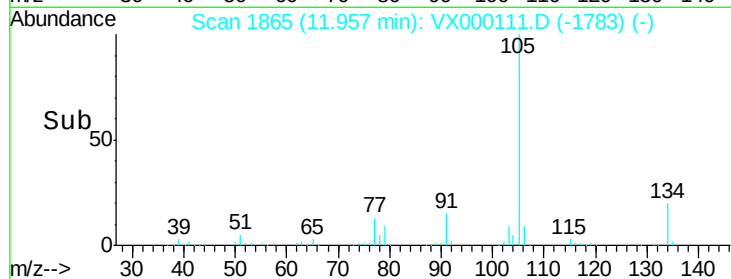
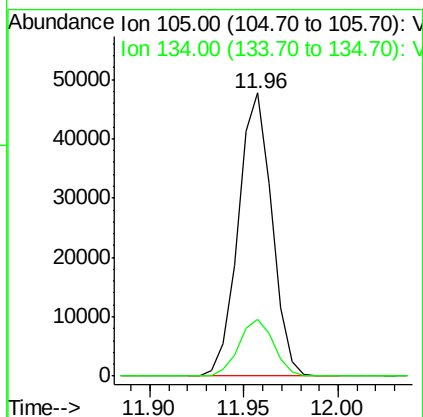
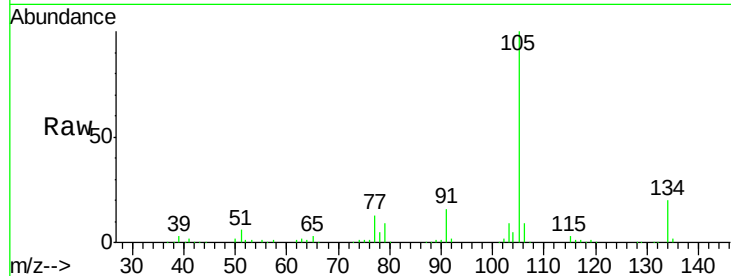




#81
 sec-Butylbenzene
 Concen: 9.84 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

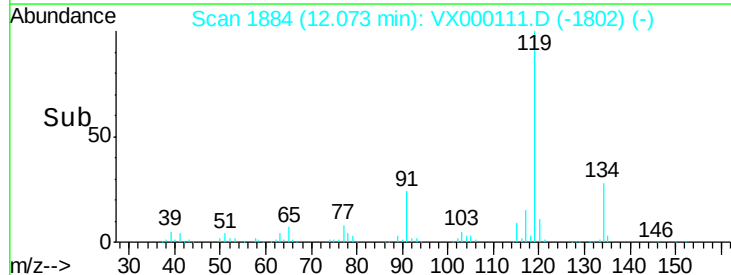
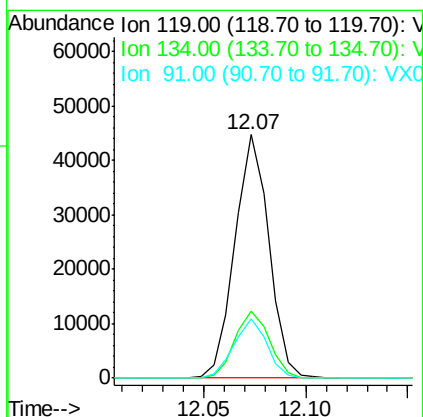
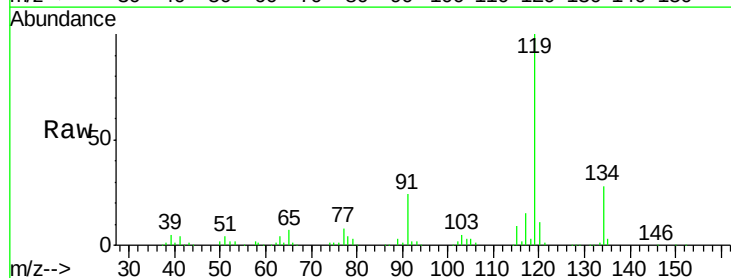
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

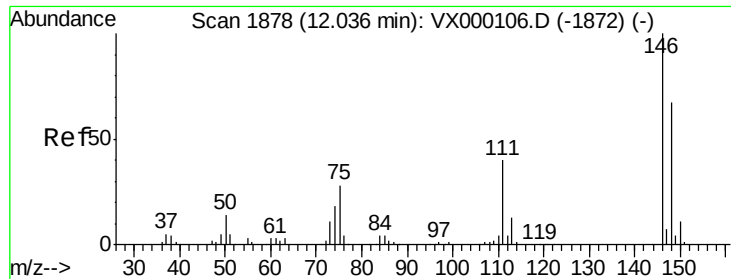
Tgt Ion:105 Resp: 58992
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 9.63 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion:119 Resp: 51648
 Ion Ratio Lower Upper
 119 100
 134 27.9 0.0 54.4
 91 23.9 0.0 46.6

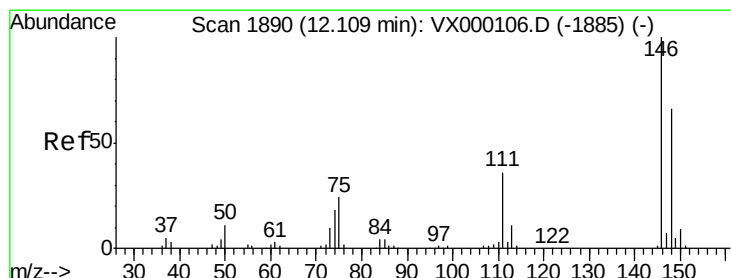
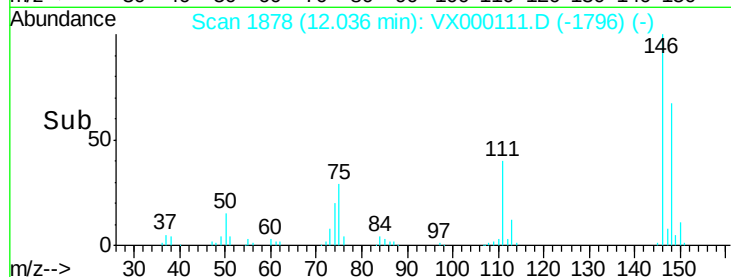
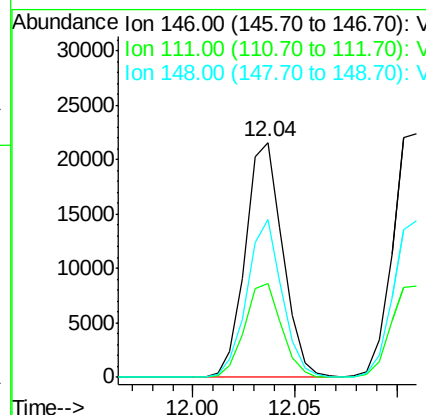
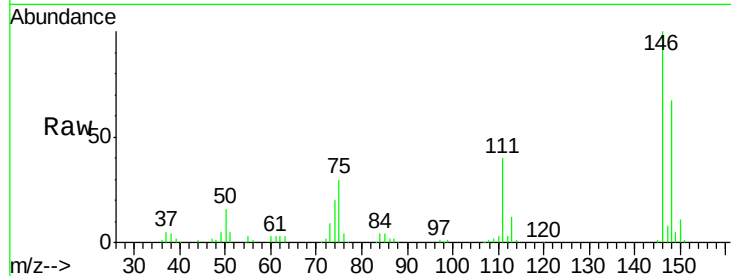




#83
 1,3-Dichlorobenzene
 Concen: 9.74 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

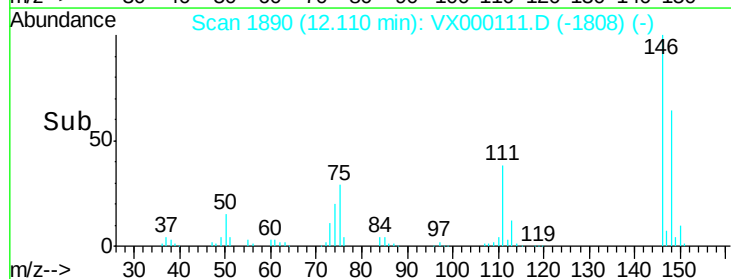
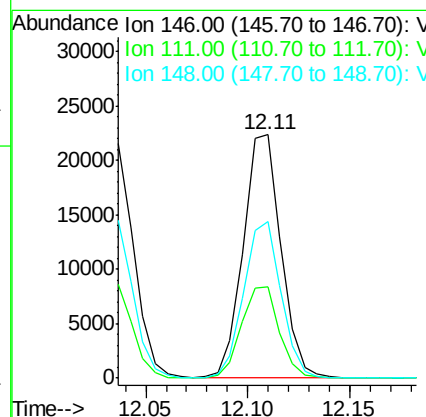
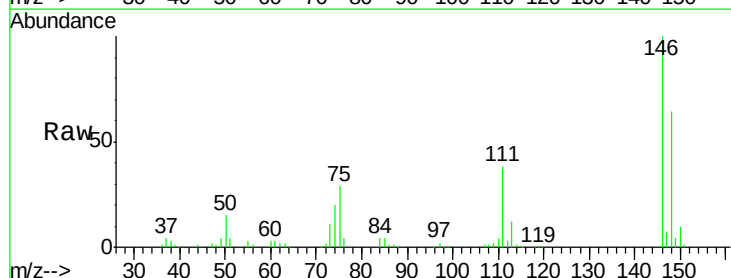
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

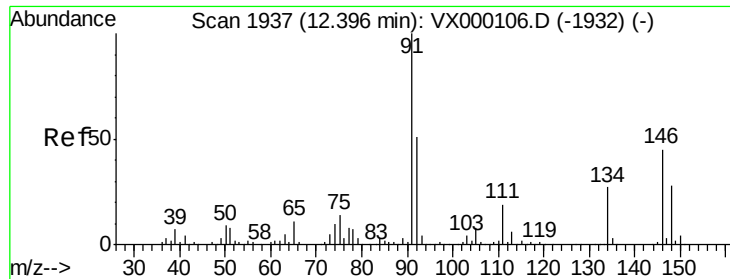
Tgt Ion:146 Resp: 27627
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.2
 148 63.0 32.6 97.7



#84
 1,4-Dichlorobenzene
 Concen: 9.88 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion:146 Resp: 28848
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.0
 148 63.7 31.9 95.7

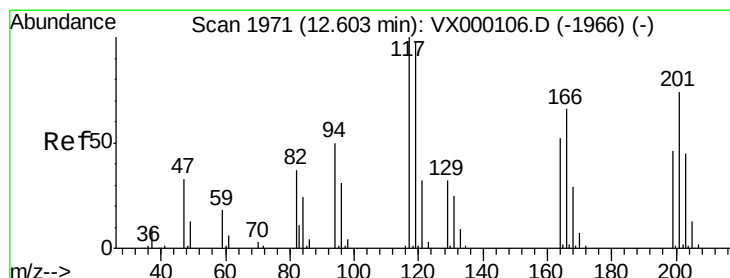
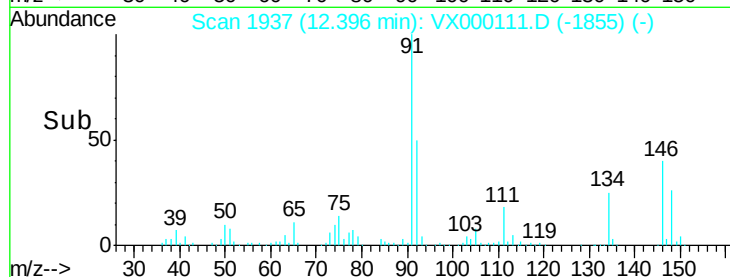
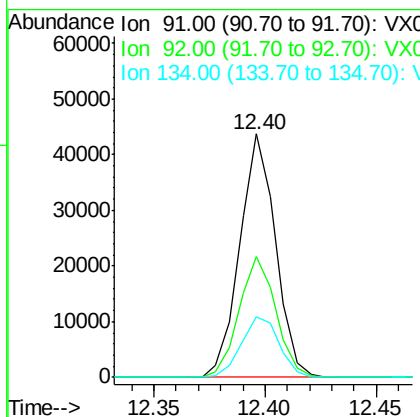
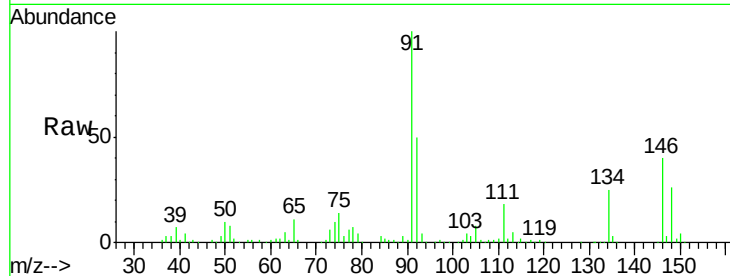




#85
n-Butylbenzene
Concen: 9.78 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

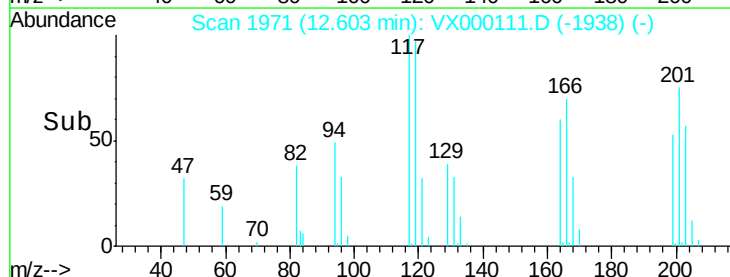
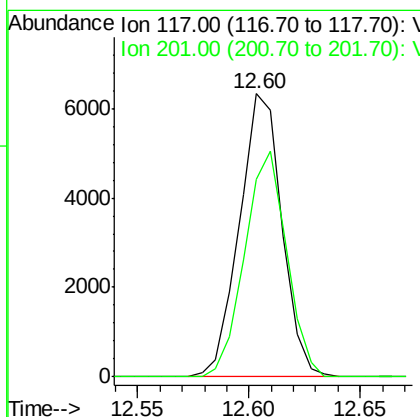
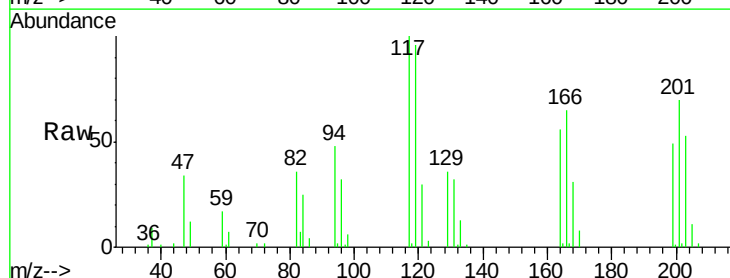
Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

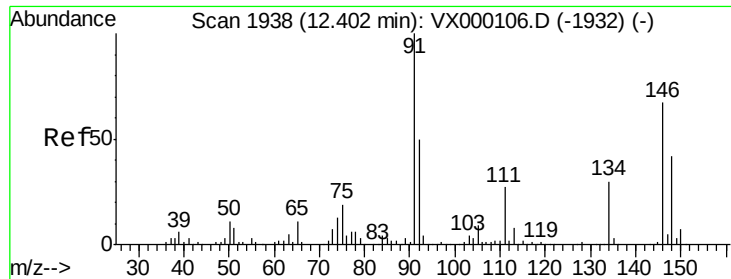
Tgt Ion: 91 Resp: 49030
Ion Ratio Lower Upper
91 100
92 50.9 0.0 102.0
134 26.4 0.0 54.2



#86
Hexachloroethane
Concen: 9.61 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000111.D
Acq: 20 Feb 2018 16:30

Tgt Ion: 117 Resp: 8435
Ion Ratio Lower Upper
117 100
201 78.4 38.9 116.6

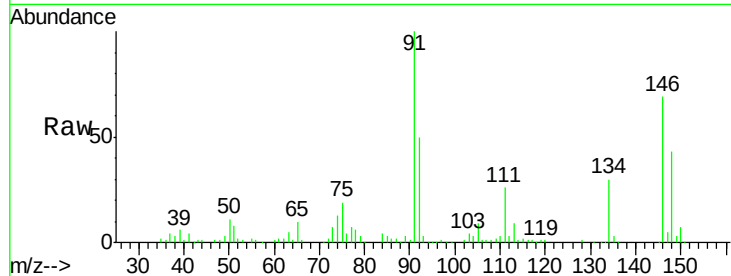




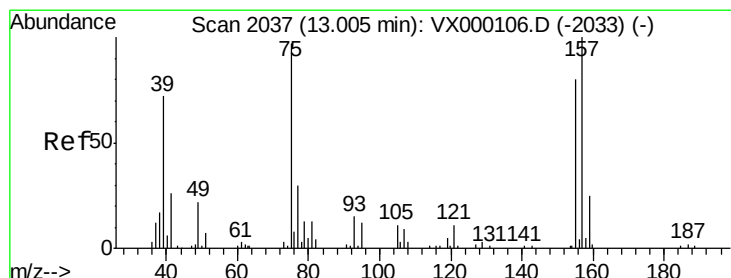
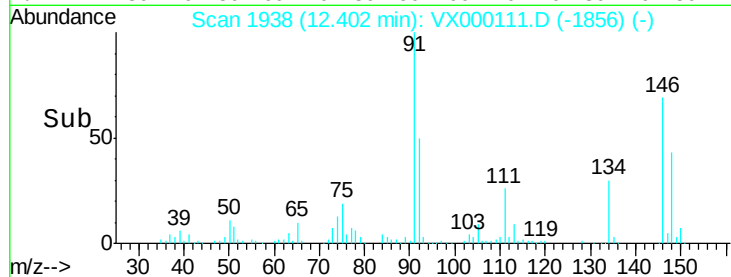
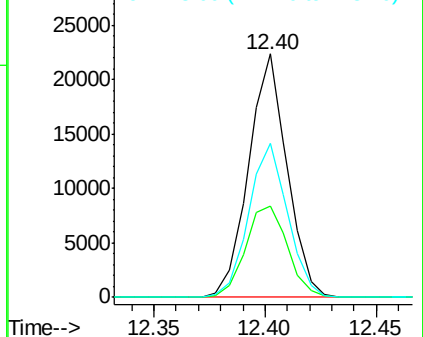
#87
 1,2-Dichlorobenzene
 Concen: 9.44 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tgt Ion: 146 Resp: 26853
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 64.2 31.6 95.0

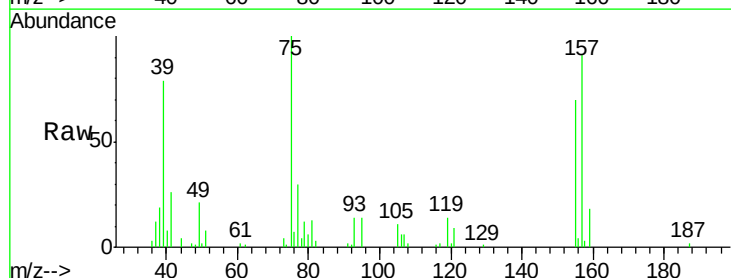


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

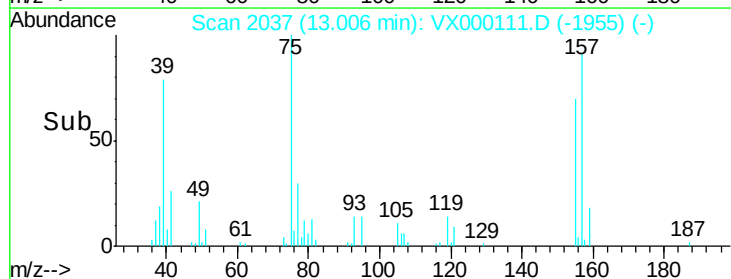
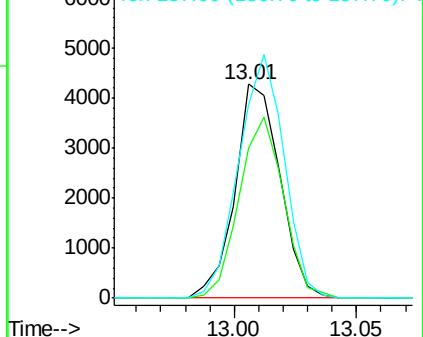


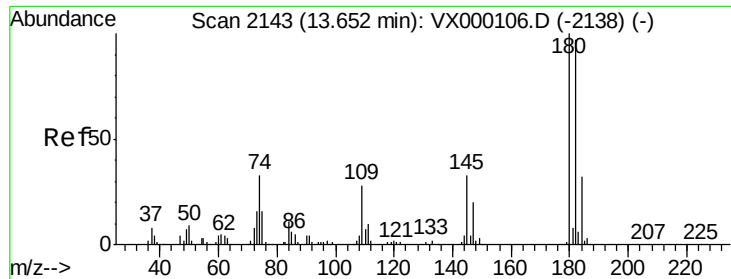
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 10.01 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion: 75 Resp: 5481
 Ion Ratio Lower Upper
 75 100
 155 83.4 75.1 112.7
 157 115.1 99.0 148.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

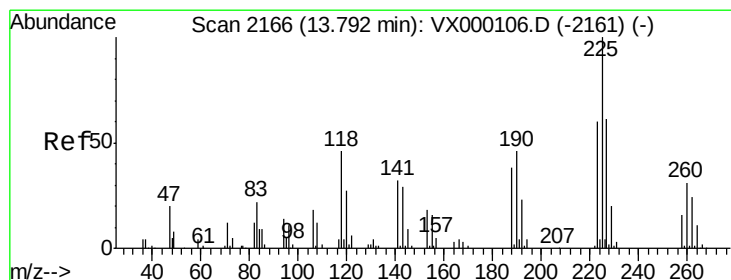
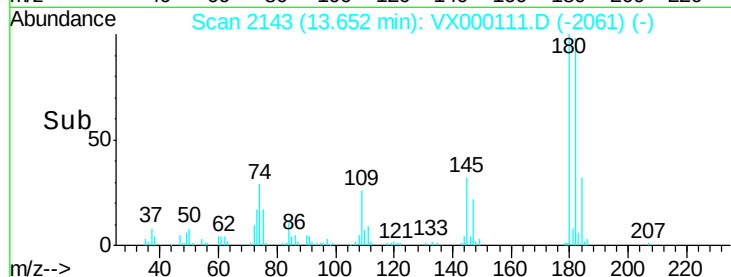
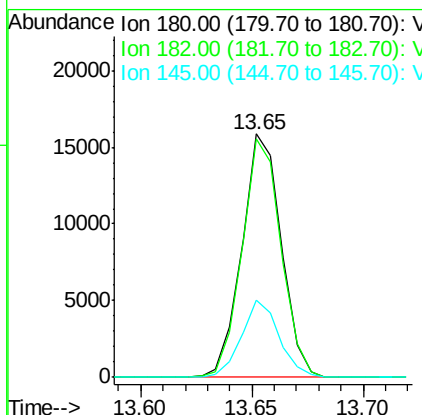
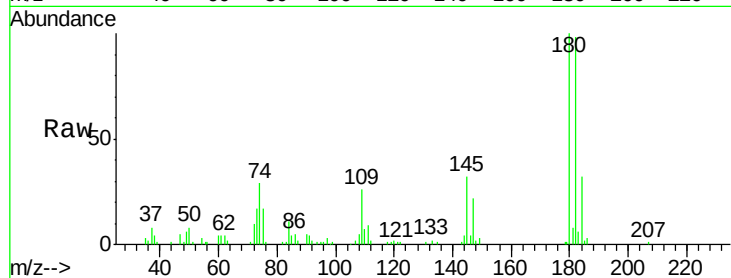




#89
 1,2,4-Trichlorobenzene
 Concen: 9.60 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

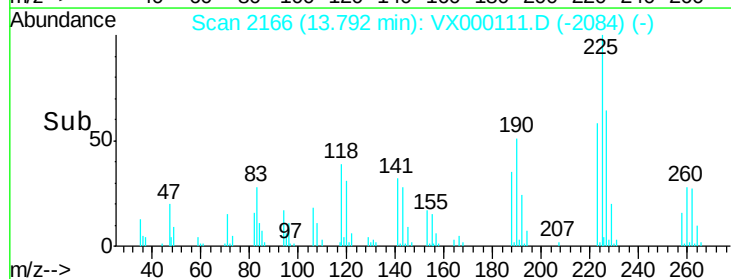
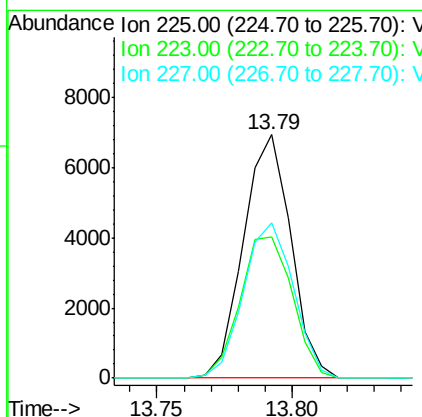
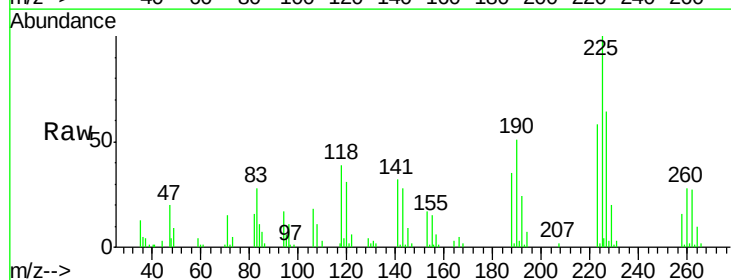
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

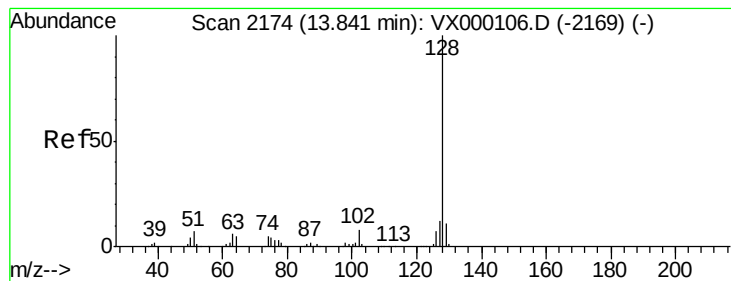
Tgt Ion:180 Resp: 19561
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.3 114.5
 145 30.3 24.6 37.0



#90
 Hexachlorobutadiene
 Concen: 9.91 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000111.D
 Acq: 20 Feb 2018 16:30

Tgt Ion:225 Resp: 8411
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 131.2
 227 66.9 0.0 127.6





#91

Naphthalene

Concen: 9.61 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

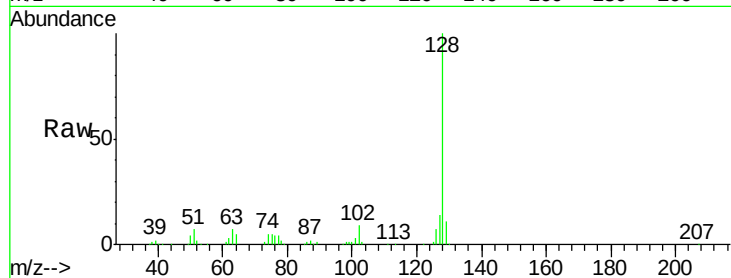
Tgt Ion:128 Resp: 70233

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

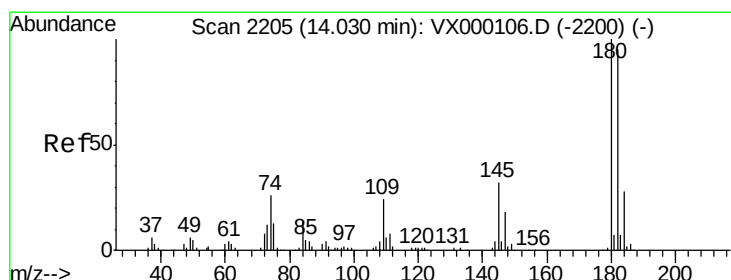
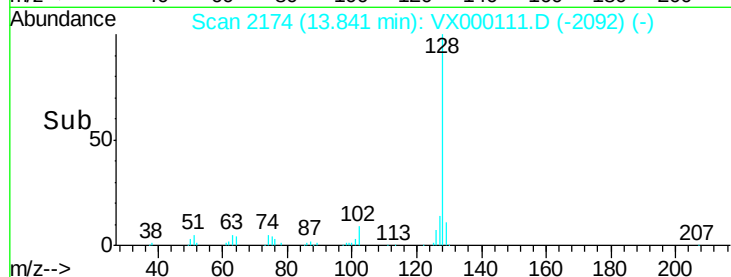
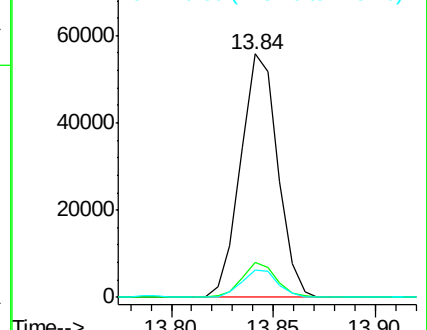
129 11.1 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 9.54 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000111.D

Acq: 20 Feb 2018 16:30

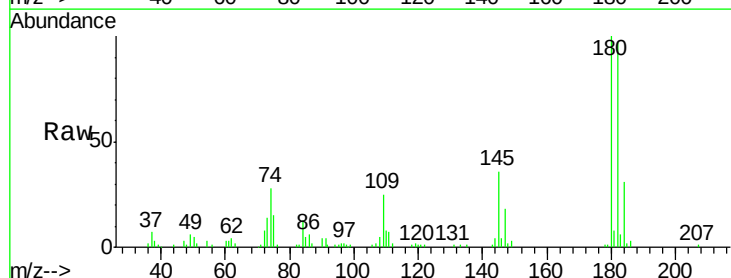
Tgt Ion:180 Resp: 19789

Ion Ratio Lower Upper

180 100

182 95.7 0.0 188.6

145 32.8 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

