

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
 Data File : VX000659.D
 Acq On : 04 Apr 2018 15:53
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 05 02:07:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 02:06:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	93047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	150441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	149621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	76420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.09	65	1857	1.47	ug/l	0.00
Spiked Amount			Recovery	=	2.94%	
35) Dibromofluoromethane	5.51	113	767	0.80	ug/l	0.00
Spiked Amount			Recovery	=	1.60%	
50) Toluene-d8	8.72	98	4081	1.02	ug/l	0.00
Spiked Amount			Recovery	=	2.04%	
62) 4-Bromofluorobenzene	11.15	95	1556	0.98	ug/l	0.00
Spiked Amount			Recovery	=	1.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1363	1.29	ug/l	90
3) Chloromethane	1.32	50	1238	1.16	ug/l	96
4) Vinyl Chloride	1.40	62	1801	1.53	ug/l	96
5) Bromomethane	1.65	94	1241	0.88	ug/l	84
6) Chloroethane	1.73	64	1101	1.24	ug/l #	87
7) Trichlorofluoromethane	1.93	101	2490	1.18	ug/l #	76
8) Diethyl Ether	2.19	74	1020	1.34	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1402	1.19	ug/l	93
10) Methyl Iodide	2.53	142	311	0.33	ug/l #	89
11) Tert butyl alcohol	3.06	59	2978	6.66	ug/l #	91
12) 1,1-Dichloroethene	2.38	96	1520	1.48	ug/l	82
13) Acrolein	2.30	56	2051	11.39	ug/l	98
14) Allyl chloride	2.73	41	3172	1.58	ug/l	94
15) Acrylonitrile	3.15	53	5311	5.96	ug/l #	93
16) Acetone	2.45	43	8399	8.09	ug/l #	88
17) Carbon Disulfide	2.57	76	3383	1.16	ug/l	97
18) Methyl Acetate	2.78	43	3043	1.37	ug/l	91
19) Methyl tert-butyl Ether	3.22	73	4473	1.16	ug/l #	90
20) Methylene Chloride	2.86	84	1999	1.68	ug/l	90
21) trans-1,2-Dichloroethene	3.18	96	1624	1.42	ug/l #	57
22) Diisopropyl ether	3.87	45	4443	1.40	ug/l #	95
23) Vinyl Acetate	3.83	43	20602	7.01	ug/l	95
24) 1,1-Dichloroethane	3.70	63	2567	1.27	ug/l #	80
25) 2-Butanone	4.72	43	7268	6.34	ug/l #	89
26) 2,2-Dichloropropane	4.60	77	661	0.49	ug/l	83
27) cis-1,2-Dichloroethene	4.61	96	1113	1.08	ug/l	94
28) Bromochloromethane	5.03	49	859	1.06	ug/l #	93
29) Tetrahydrofuran	5.17	42	4246	5.99	ug/l #	83
30) Chloroform	5.23	83	2160	1.17	ug/l	96
31) Cyclohexane	5.59	56	1812	1.20	ug/l #	94
32) 1,1,1-Trichloroethane	5.51	97	1537	0.93	ug/l #	52
36) 1,1-Dichloropropene	5.80	75	1661	1.19	ug/l	86
37) Ethyl Acetate	4.87	43	2251	1.17	ug/l #	84
38) Carbon Tetrachloride	5.78	117	1485	1.03	ug/l #	82

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 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 02:06:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2157	1.29	ug/l	93
40) Benzene	6.15	78	4409	1.10	ug/l #	87
41) Methacrylonitrile	5.07	41	1064	1.04	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	1857	1.16	ug/l	86
43) Isopropyl Acetate	6.48	43	3058	1.06	ug/l #	89
44) Trichloroethene	7.23	130	1454	1.26	ug/l	44
45) 1,2-Dichloropropane	7.52	63	1141	1.10	ug/l #	79
46) Dibromomethane	7.67	93	824	1.02	ug/l	91
47) Bromodichloromethane	7.90	83	1489	1.04	ug/l #	83
48) Methyl methacrylate	7.79	41	1714	1.23	ug/l	91
49) 1,4-Dioxane	7.76	88	377	12.73	ug/l #	25
51) 4-Methyl-2-Pentanone	8.66	43	10703	4.74	ug/l	99
52) Toluene	8.79	92	2894	1.02	ug/l	79
53) t-1,3-Dichloropropene	8.45	75	1429	0.86	ug/l #	62
54) cis-1,3-Dichloropropene	9.05	75	1375	0.85	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	1065	0.91	ug/l	94
56) Ethyl methacrylate	9.20	69	1626	0.92	ug/l #	82
57) 1,3-Dichloropropane	9.38	76	2046	1.09	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	4000	4.82	ug/l	98
59) 2-Hexanone	9.51	43	9063	4.71	ug/l	96
60) Dibromochloromethane	9.60	129	1011	0.85	ug/l	100
61) 1,2-Dibromoethane	9.68	107	1153	0.92	ug/l	94
64) Tetrachloroethene	9.34	164	1043	0.93	ug/l #	85
65) Chlorobenzene	10.15	112	3056	0.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	1073	0.98	ug/l #	64
67) Ethyl Benzene	10.26	91	5603	1.01	ug/l	99
68) m/p-Xylenes	10.37	106	3330	1.53	ug/l	86
69) o-Xylene	10.71	106	1859	0.88	ug/l	99
70) Styrene	10.72	104	2891	0.83	ug/l	92
71) Bromoform	10.87	173	696	0.71	ug/l #	83
73) Isopropylbenzene	11.02	105	4872	0.99	ug/l	89
74) N-amyl acetate	6.48	43	3058	1.23	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	1918	1.09	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	2243	1.39	ug/l	85
77) Bromobenzene	11.26	156	1332	1.02	ug/l	93
78) n-propylbenzene	11.37	91	5949	1.00	ug/l	92
79) 2-Chlorotoluene	11.43	91	3365	0.98	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	3897	0.94	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.09	75	371	0.75	ug/l #	39
82) 4-Chlorotoluene	11.52	91	4324	1.05	ug/l	98
83) tert-Butylbenzene	11.78	119	3926	0.94	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	4123	0.95	ug/l	95
85) sec-Butylbenzene	11.96	105	4741	0.91	ug/l	92
86) p-Isopropyltoluene	12.07	119	3844	0.83	ug/l	86
87) 1,3-Dichlorobenzene	12.03	146	2333	0.94	ug/l	94
88) 1,4-Dichlorobenzene	12.03	146	2333	0.89	ug/l	95
89) n-Butylbenzene	12.40	91	4420	1.02	ug/l	97
90) Hexachloroethane	12.60	117	806	1.12	ug/l	73
91) 1,2-Dichlorobenzene	12.40	146	2702	1.11	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.01	75	489	0.99	ug/l	80

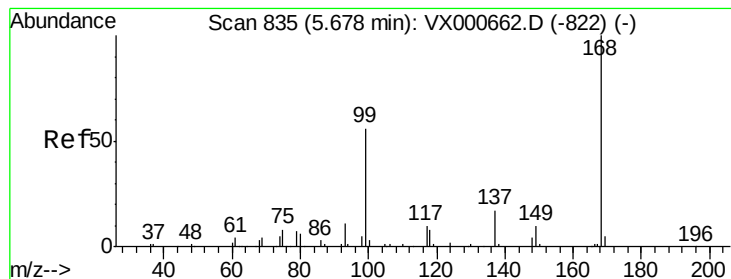
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1643	0.94	ug/l	93
94) Hexachlorobutadiene	13.79	225	729	1.03	ug/l	93
95) Naphthalene	13.84	128	5353	0.88	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.03	180	1700	0.99	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

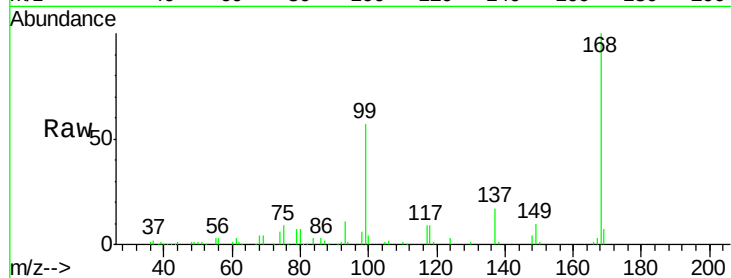
VSTDIC001

Tot Ion:168 Resp: 93047

Ion Ratio Lower Upper

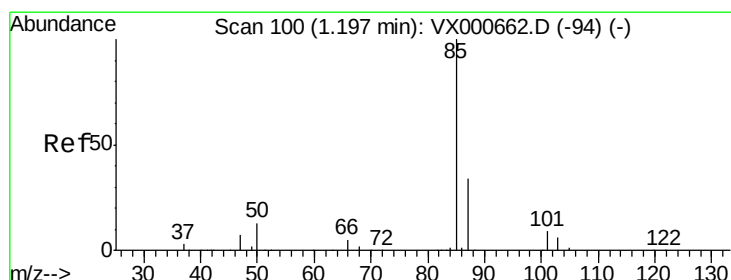
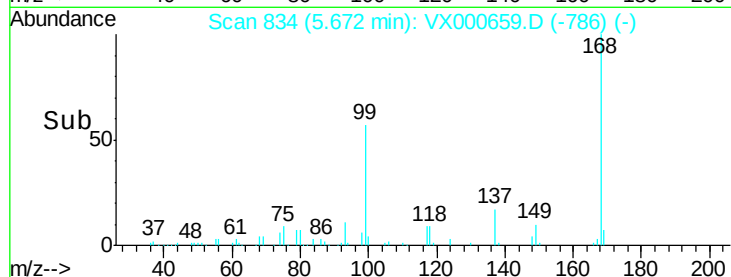
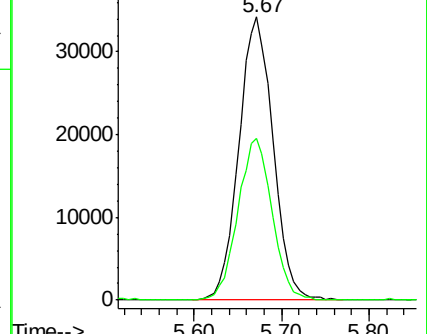
168 100

99 57.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.29 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000659.D

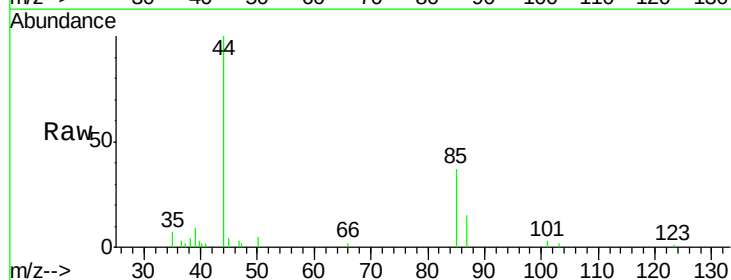
Acq: 04 Apr 2018 15:53

Tgt Ion: 85 Resp: 1363

Ion Ratio Lower Upper

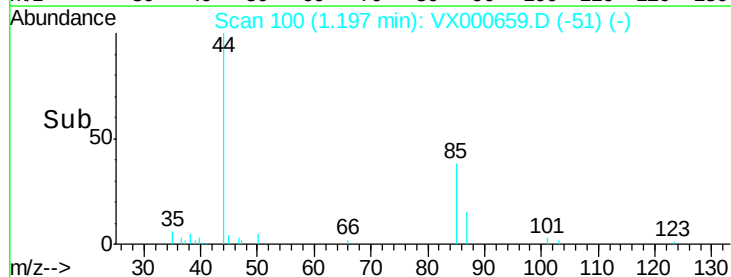
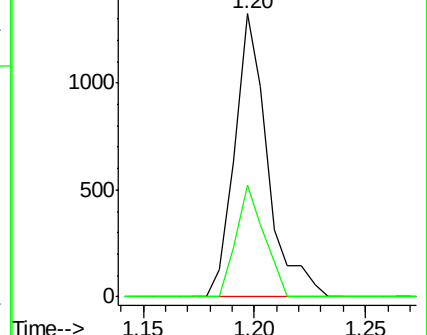
85 100

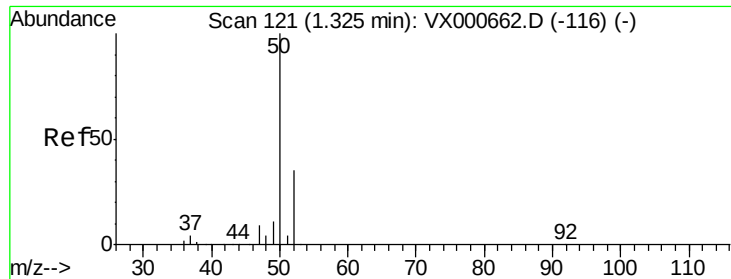
87 39.6 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.16 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

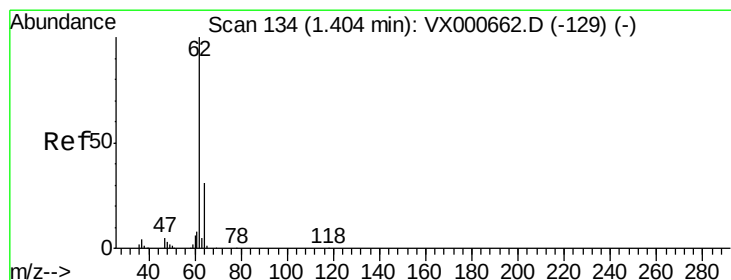
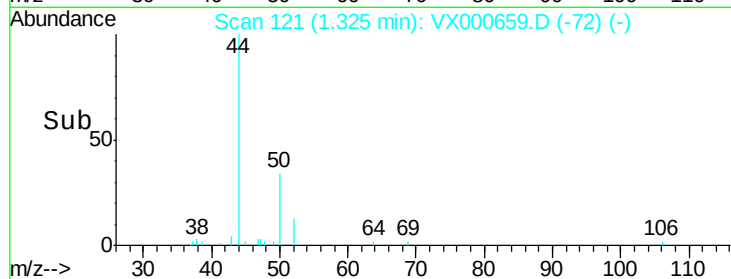
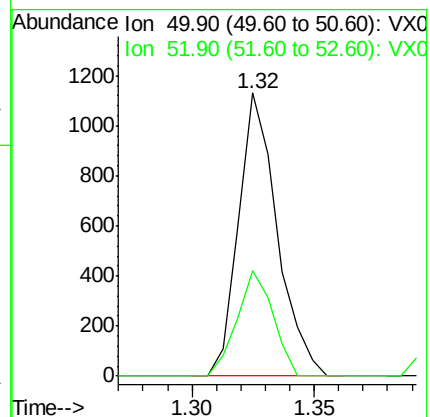
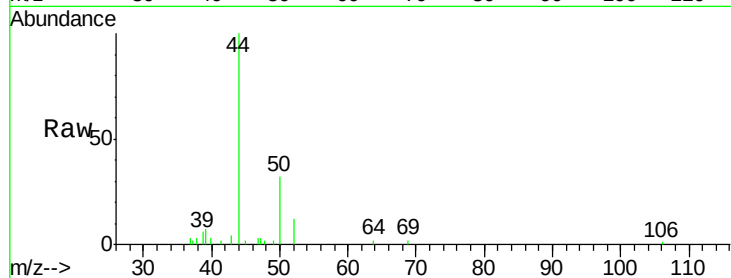
VSTDIC001

Tot Ion: 50 Resp: 1238

Ion Ratio Lower Upper

50 100

52 37.4 28.0 42.0



#4

Vinyl Chloride

Concen: 1.53 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000659.D

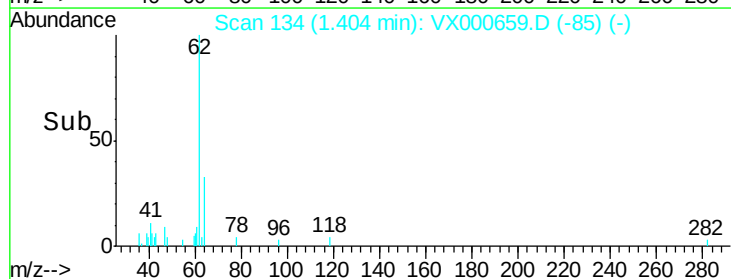
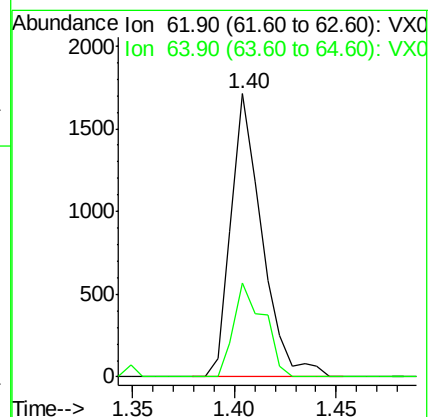
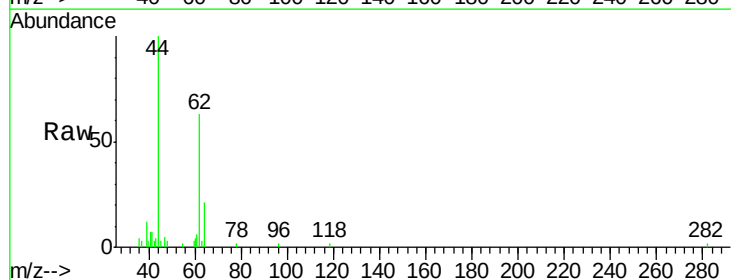
Acq: 04 Apr 2018 15:53

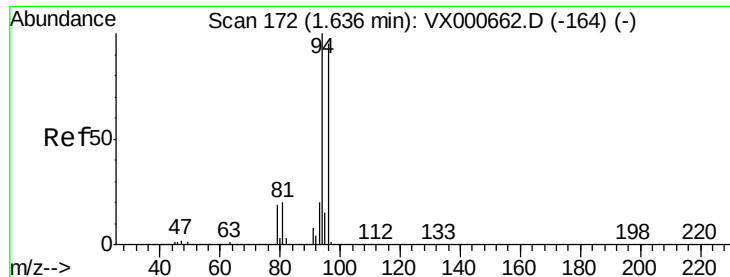
Tgt Ion: 62 Resp: 1801

Ion Ratio Lower Upper

62 100

64 33.3 24.6 37.0





#5

Bromomethane

Concen: 0.88 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

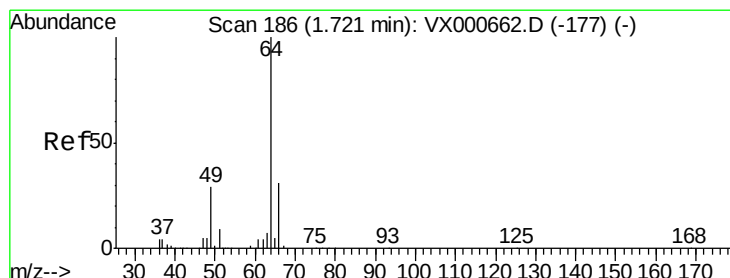
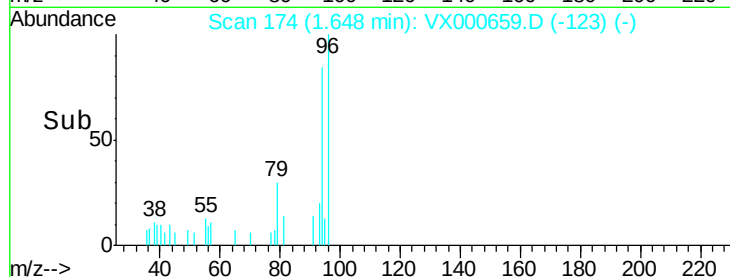
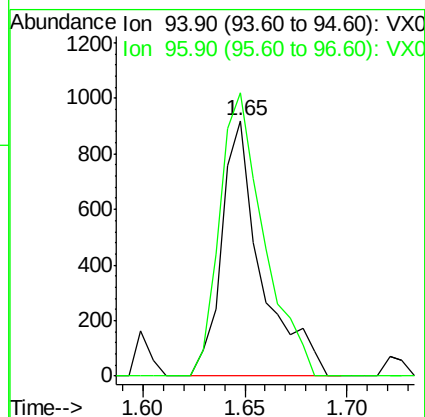
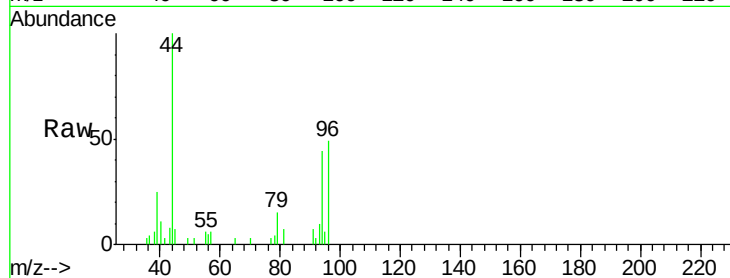
VSTDIC001

Tot Ion: 94 Resp: 1241

Ion Ratio Lower Upper

94 100

96 110.6 76.3 114.5



#6

Chloroethane

Concen: 1.24 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000659.D

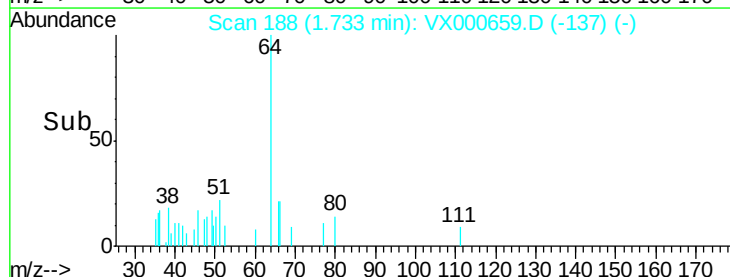
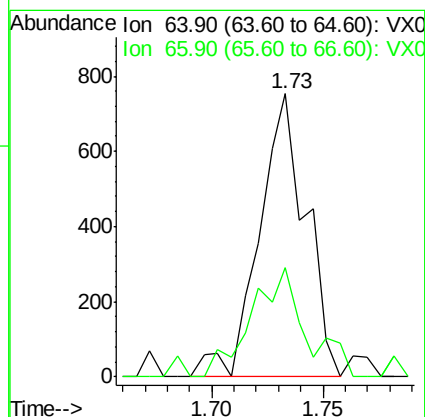
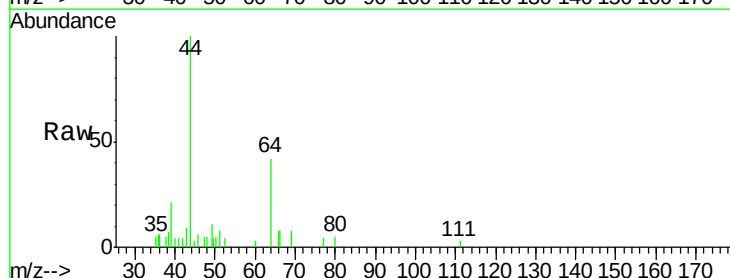
Acq: 04 Apr 2018 15:53

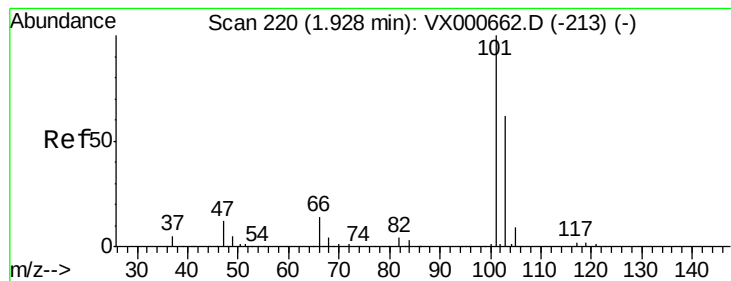
Tgt Ion: 64 Resp: 1101

Ion Ratio Lower Upper

64 100

66 38.4 25.0 37.6#



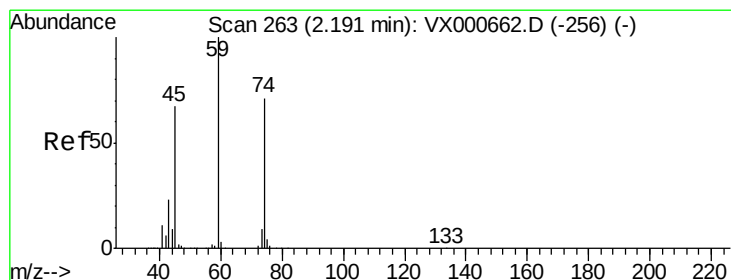
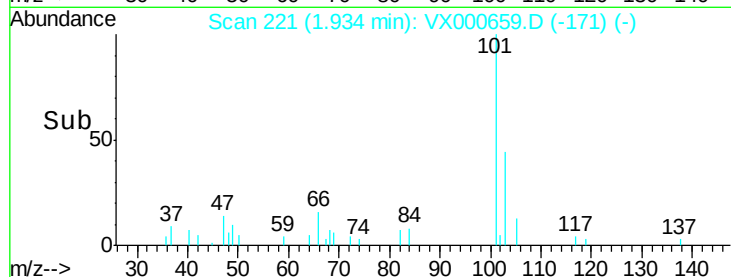
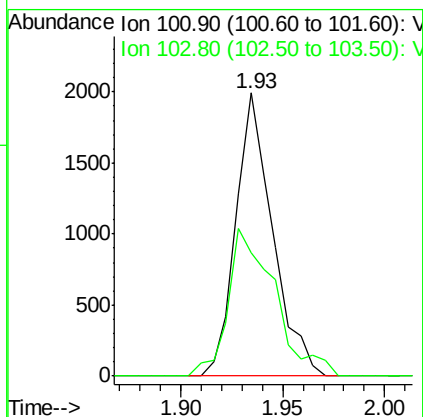
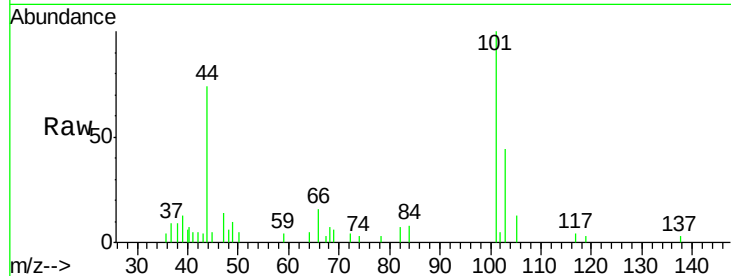


#7

Trichlorofluoromethane
 Concen: 1.18 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

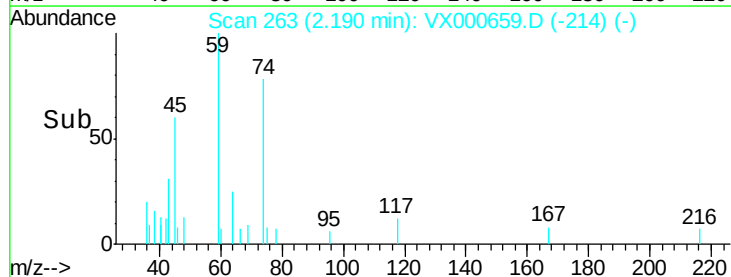
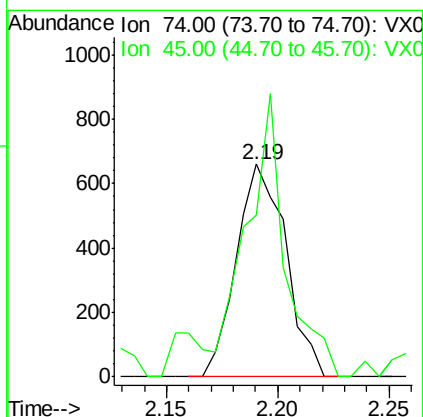
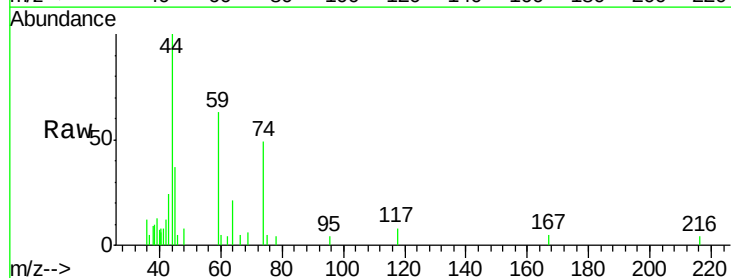
Tot Ion:101 Resp: 2490
 Ion Ratio Lower Upper
 101 100
 103 43.5 49.4 74.0#

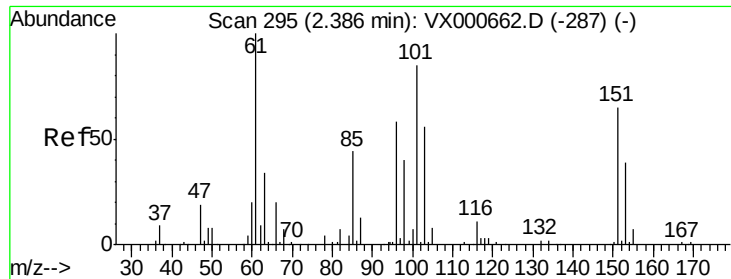


#8

Diethyl Ether
 Concen: 1.34 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion: 74 Resp: 1020
 Ion Ratio Lower Upper
 74 100
 45 103.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.19 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

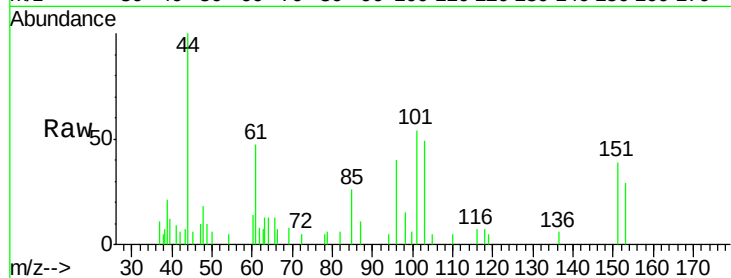
Tot Ion:101 Resp: 1402

Ion Ratio Lower Upper

101 100

85 60.0 40.0 60.0

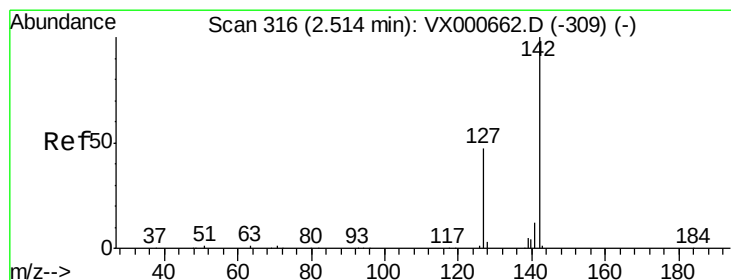
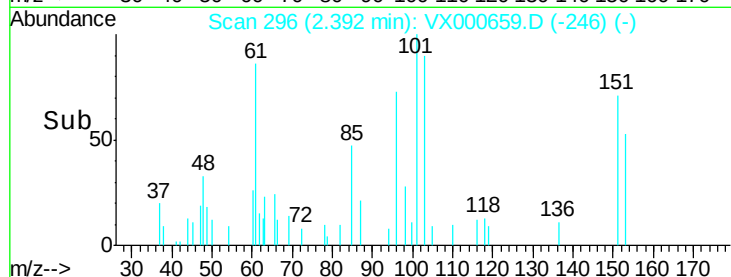
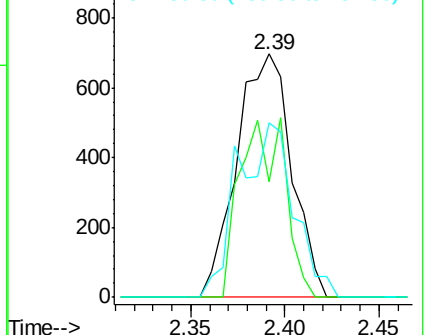
151 73.0 57.4 86.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.33 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

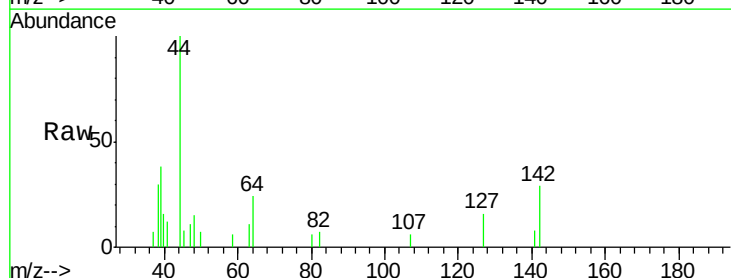
Tgt Ion:142 Resp: 311

Ion Ratio Lower Upper

142 100

127 57.9 40.7 61.1

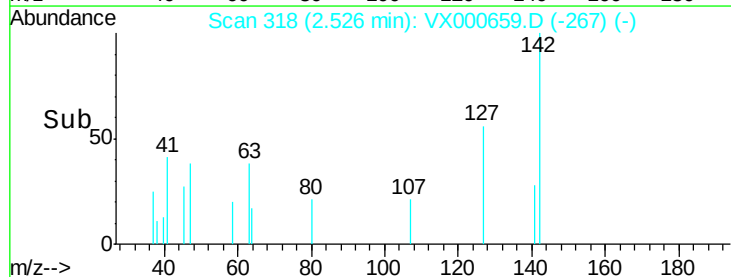
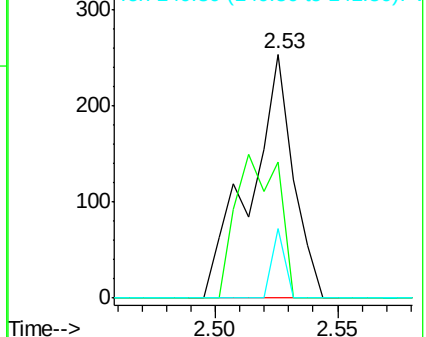
141 8.4 11.1 16.7#

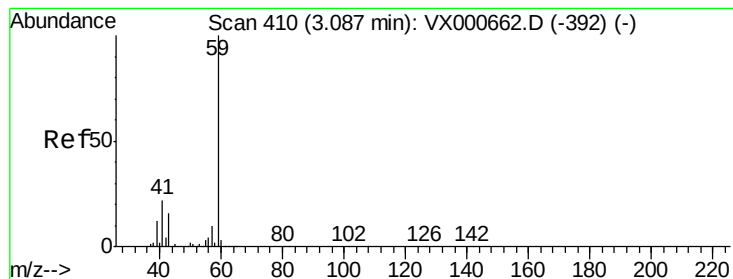


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 6.66 ug/l

RT: 3.06 min Scan# 406

Delta R.T. -0.02 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

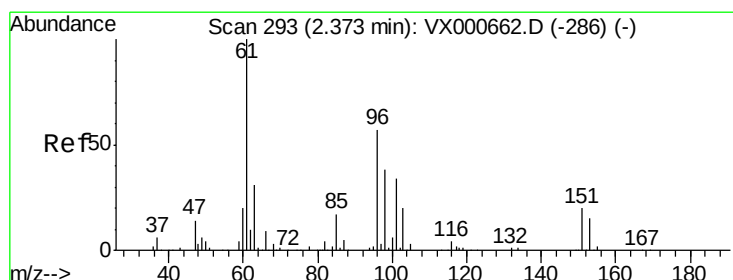
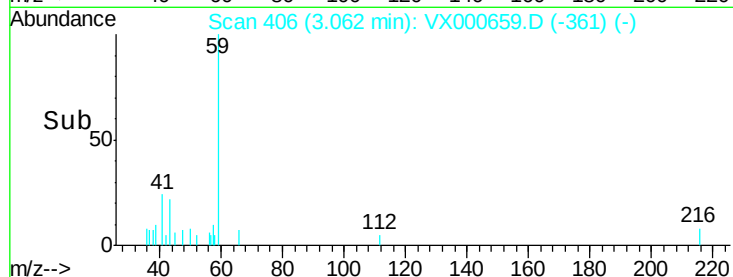
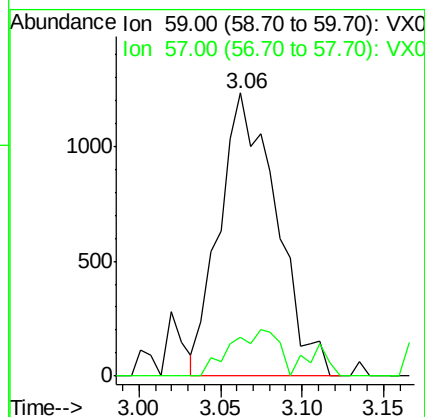
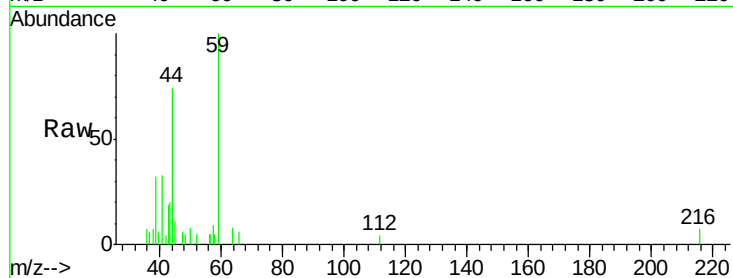
VSTDIC001

Tot Ion: 59 Resp: 2978

Ion Ratio Lower Upper

59 100

57 13.9 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 1.48 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

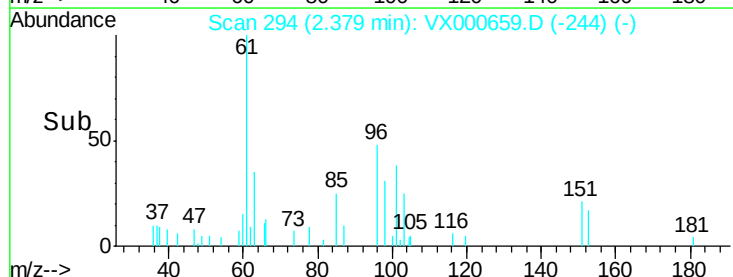
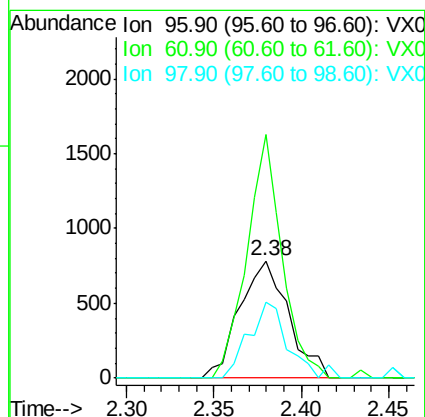
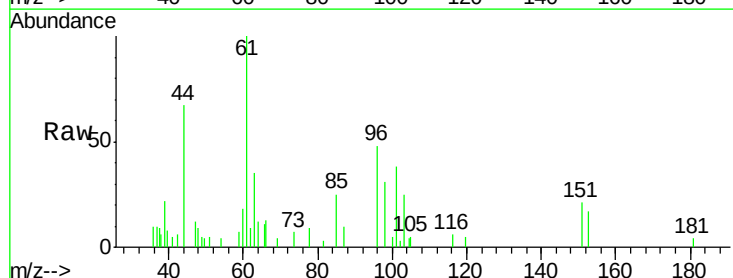
Tgt Ion: 96 Resp: 1520

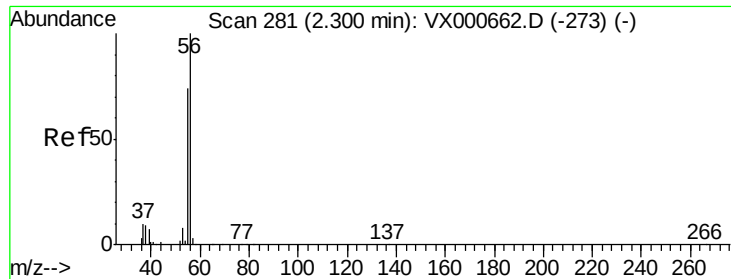
Ion Ratio Lower Upper

96 100

61 208.3 140.2 210.2

98 64.9 52.6 79.0





#13

Acrolein

Concen: 11.39 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

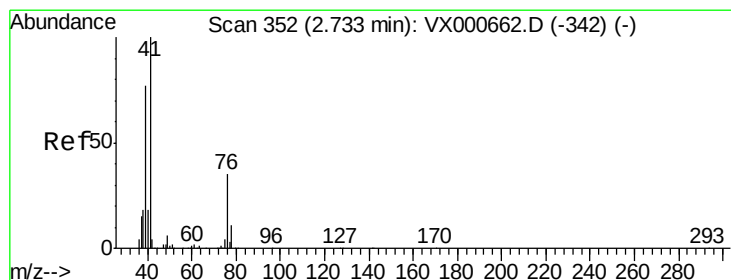
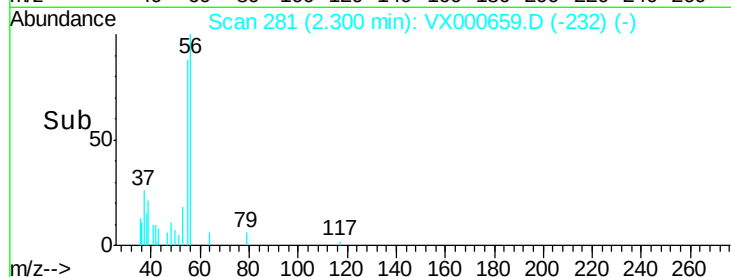
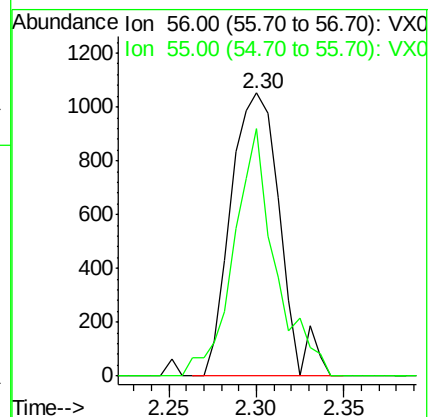
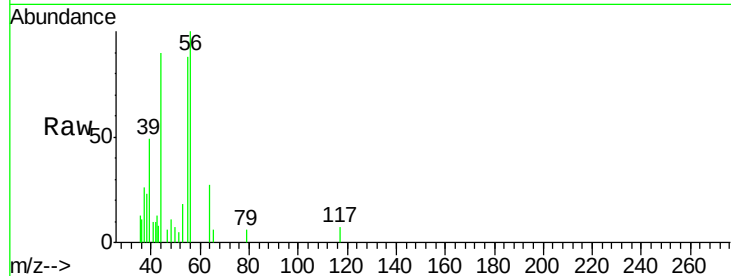
VSTDIC001

Tot Ion: 56 Resp: 2051

Ion Ratio Lower Upper

56 100

55 74.3 58.1 87.1



#14

Allyl chloride

Concen: 1.58 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

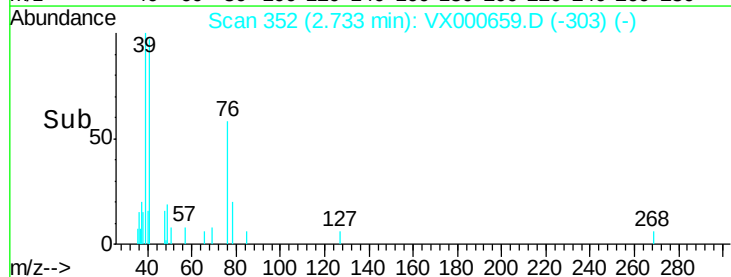
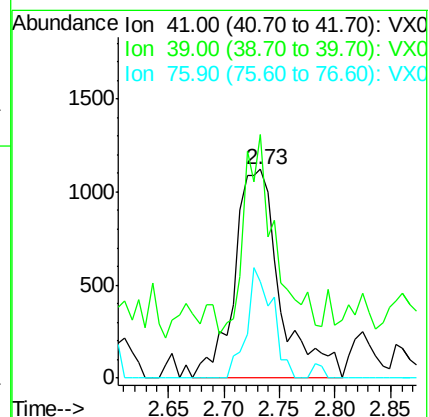
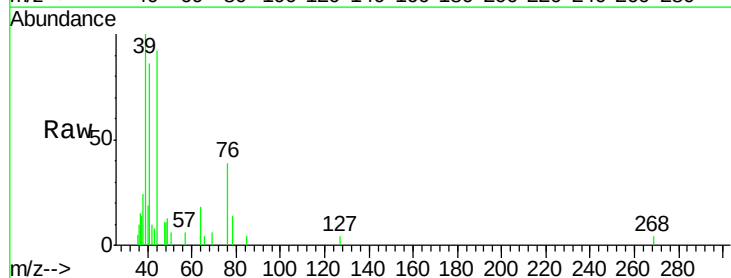
Tgt Ion: 41 Resp: 3172

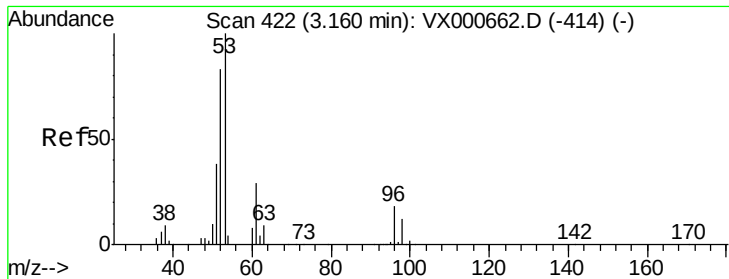
Ion Ratio Lower Upper

41 100

39 64.7 57.0 85.6

76 30.3 23.9 35.9





#15

Acrylonitrile

Concen: 5.96 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

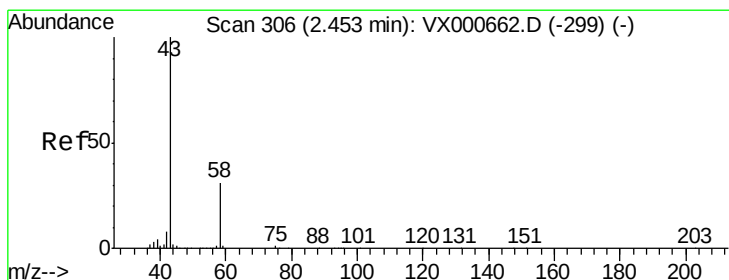
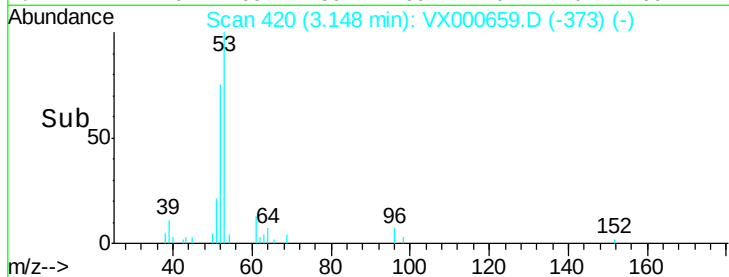
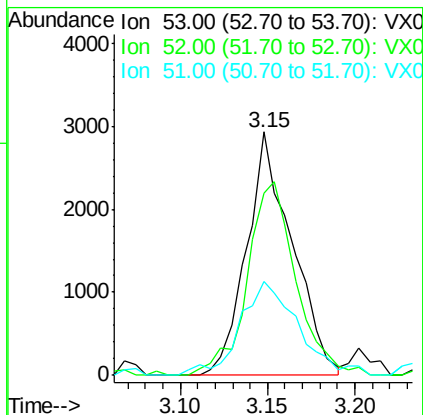
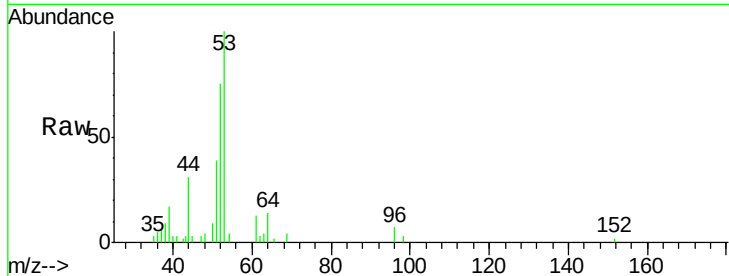
Tot Ion: 53 Resp: 5311

Ion Ratio Lower Upper

53 100

52 85.0 66.5 99.7

51 49.4 30.6 46.0#



#16

Acetone

Concen: 8.09 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000659.D

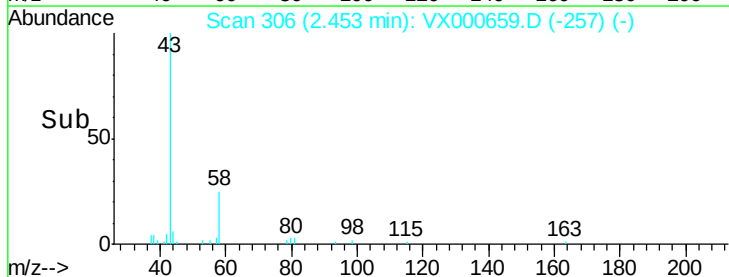
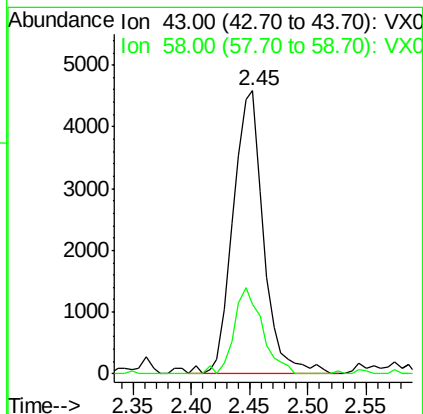
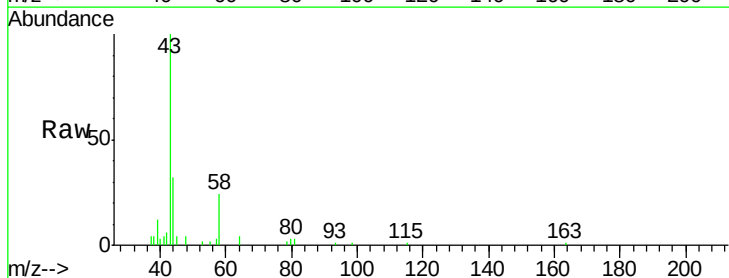
Acq: 04 Apr 2018 15:53

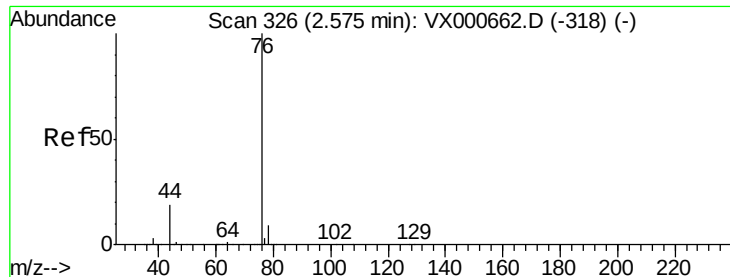
Tgt Ion: 43 Resp: 8399

Ion Ratio Lower Upper

43 100

58 24.5 24.7 37.1#

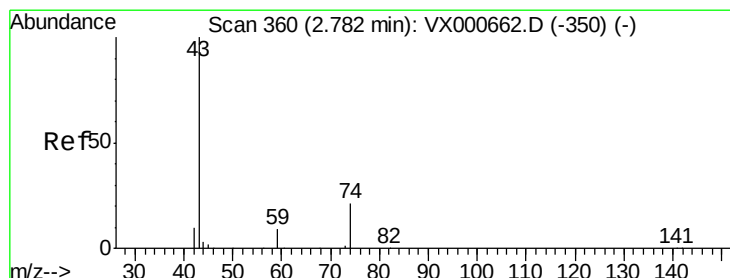
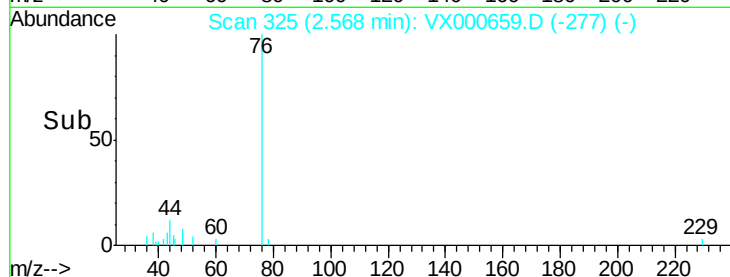
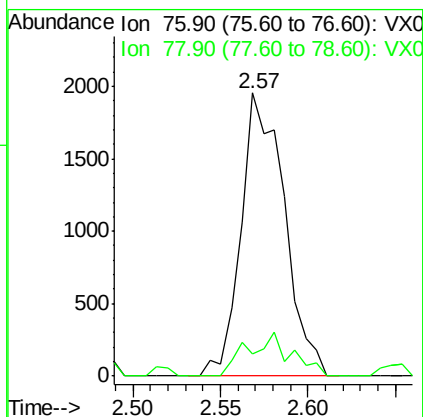
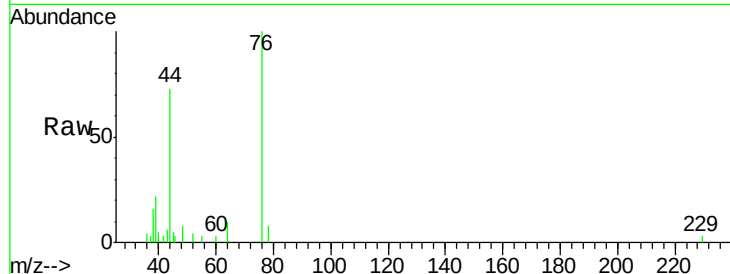




#17
Carbon Disulfide
Concen: 1.16 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

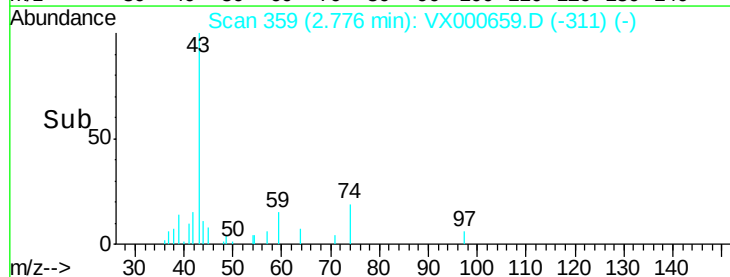
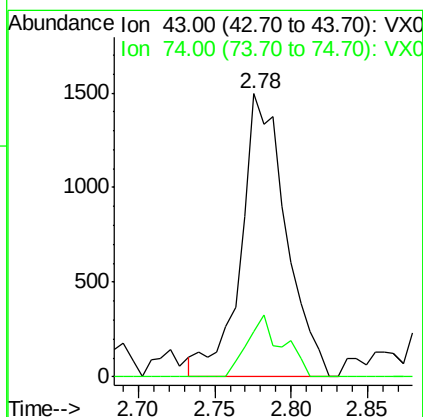
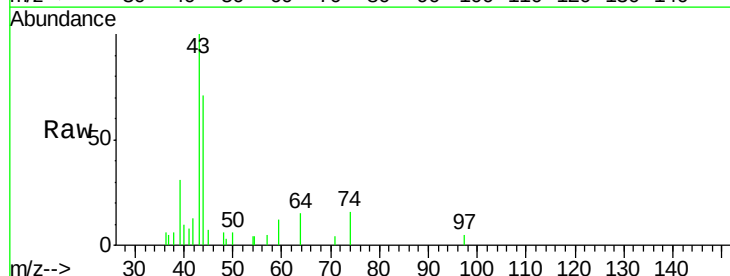
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

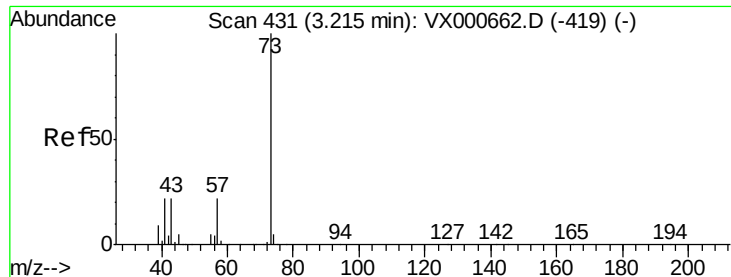
Tot Ion: 76 Resp: 3383
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.6



#18
Methyl Acetate
Concen: 1.37 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
74 17.1 17.0 25.4





#19

Methyl tert-butyl Ether

Concen: 1.16 ug/l

RT: 3.22 min Scan# 432

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

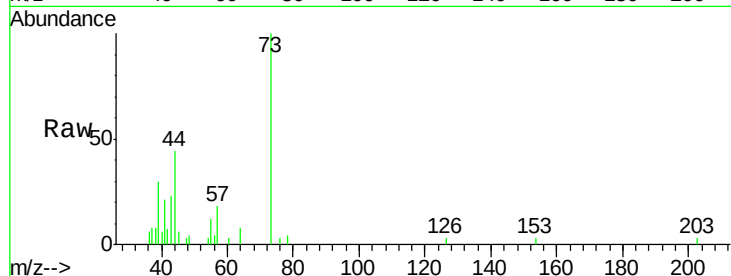
VSTDIC001

Tot Ion: 73 Resp: 4473

Ion Ratio Lower Upper

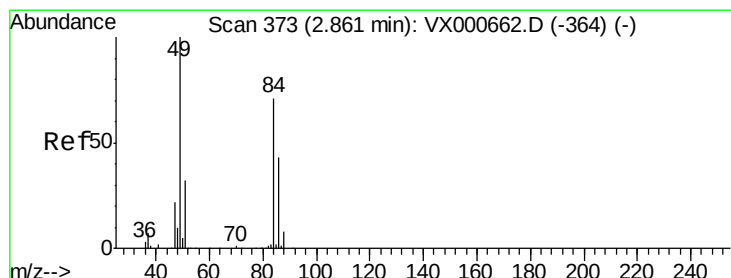
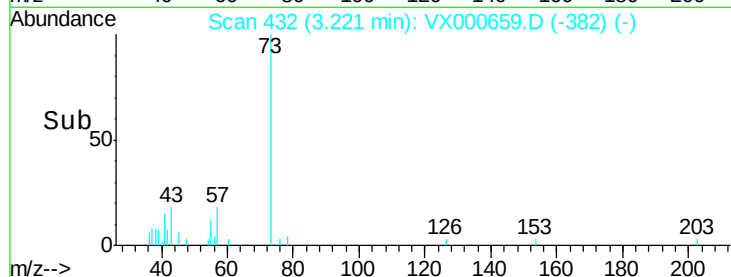
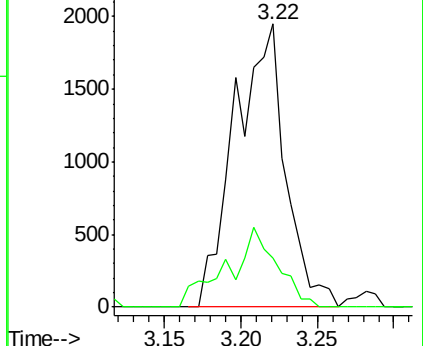
73 100

57 17.5 17.8 26.6#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 1.68 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Tgt Ion: 84 Resp: 1999

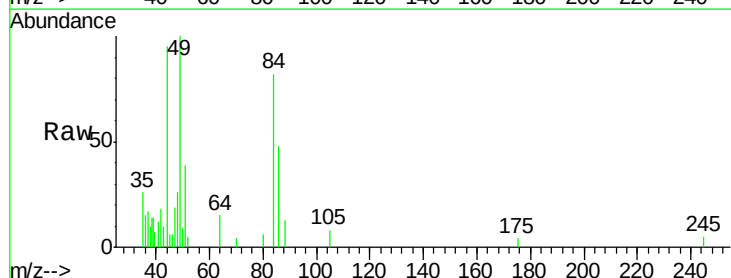
Ion Ratio Lower Upper

84 100

49 122.0 112.1 168.1

51 47.7 35.4 53.0

86 58.6 48.7 73.1

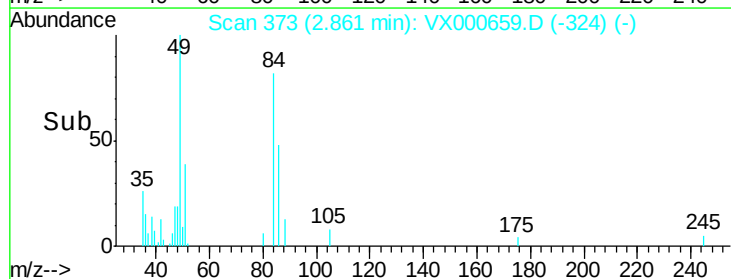
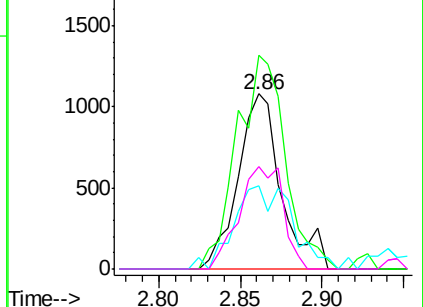


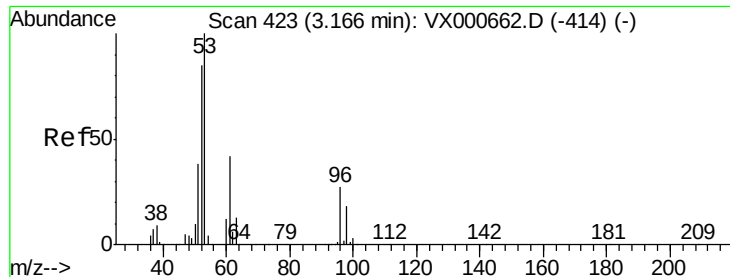
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 1.42 ug/l

RT: 3.18 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

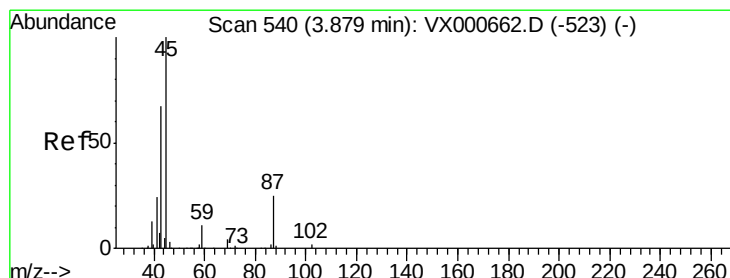
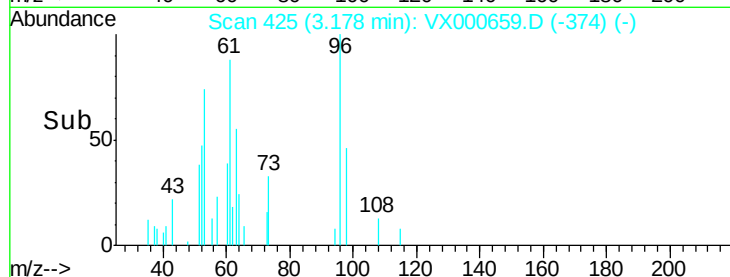
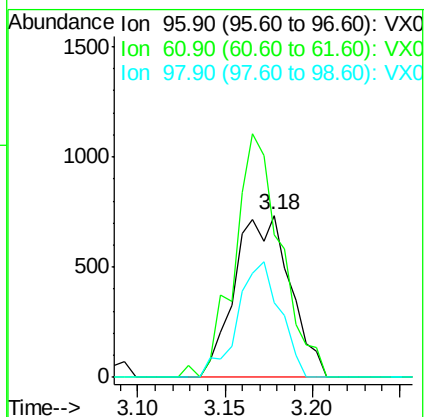
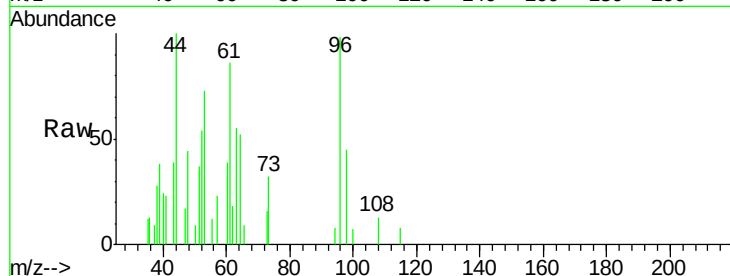
Tot Ion: 96 Resp: 1624

Ion Ratio Lower Upper

96 100

61 87.9 123.5 185.3#

98 45.8 51.9 77.9#



#22

Diisopropyl ether

Concen: 1.40 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Tgt Ion: 45 Resp: 4443

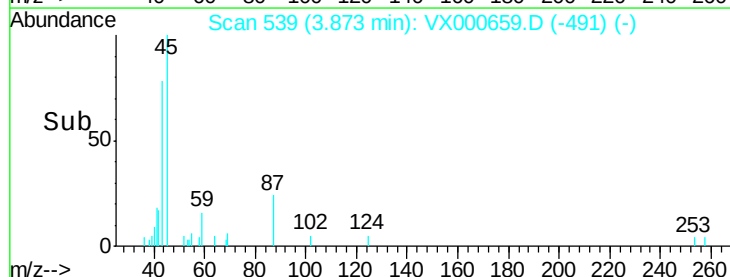
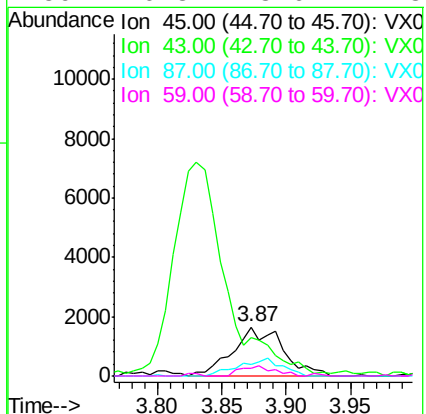
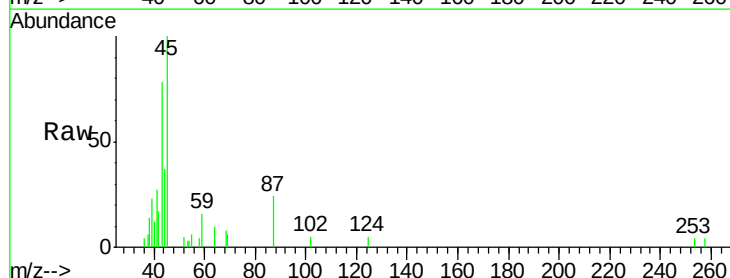
Ion Ratio Lower Upper

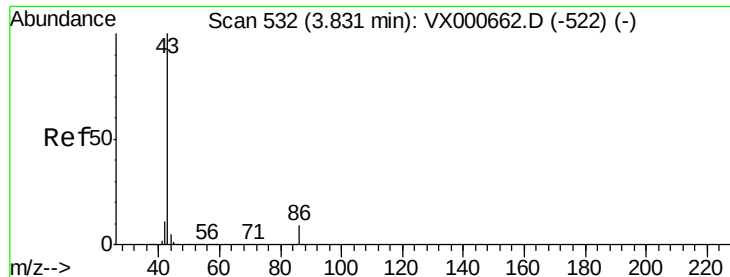
45 100

43 71.0 53.8 80.8

87 24.1 19.8 29.6

59 16.3 8.6 12.8#





#23

Vinyl Acetate

Concen: 7.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

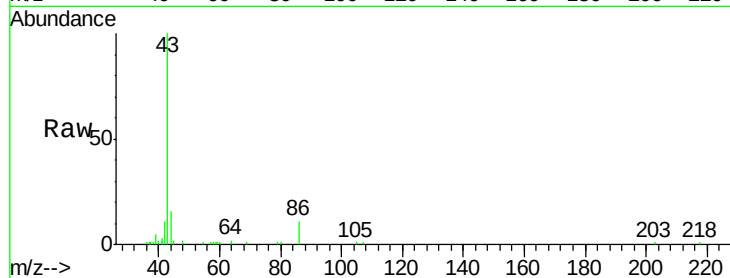
VSTDIC001

Tot Ion: 43 Resp: 20602

Ion Ratio Lower Upper

43 100

86 11.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

8000

6000

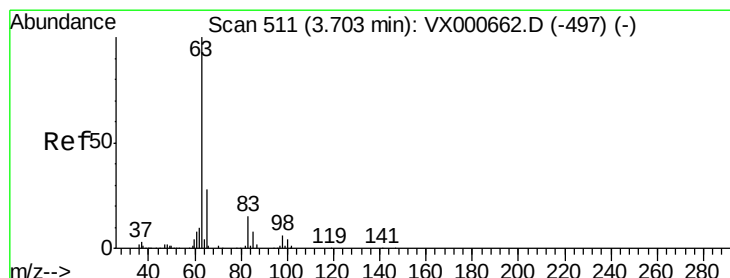
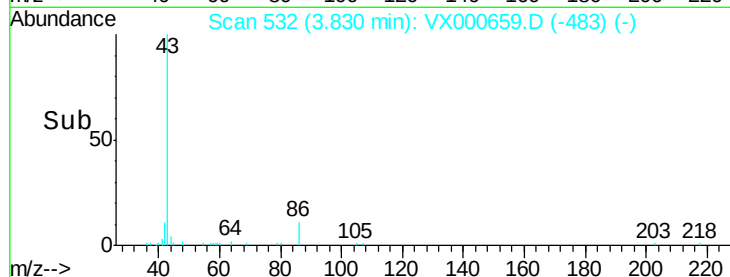
4000

2000

0

Time-->

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 1.27 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

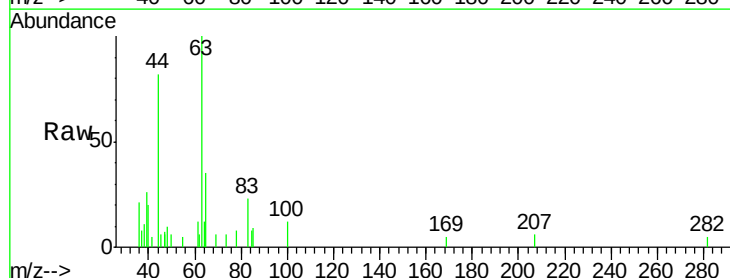
Tgt Ion: 63 Resp: 2567

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

100 11.9 2.1 6.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

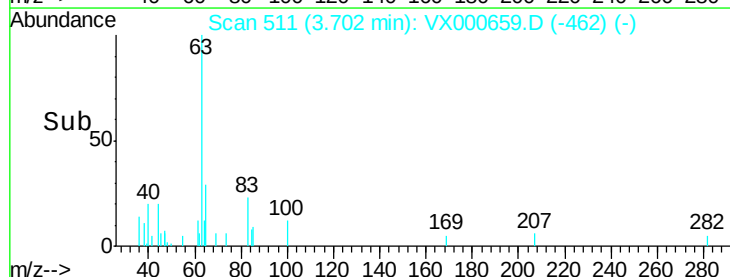
1000

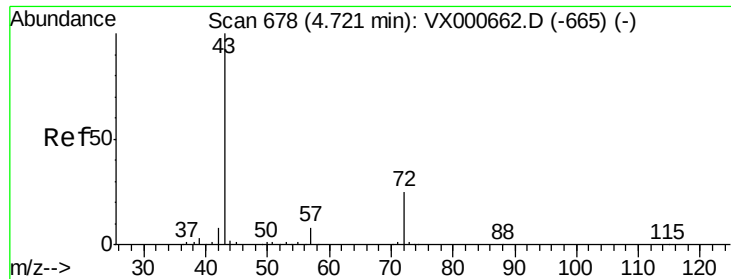
500

0

Time-->

3.65 3.70 3.75





#25

2-Butanone

Concen: 6.34 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

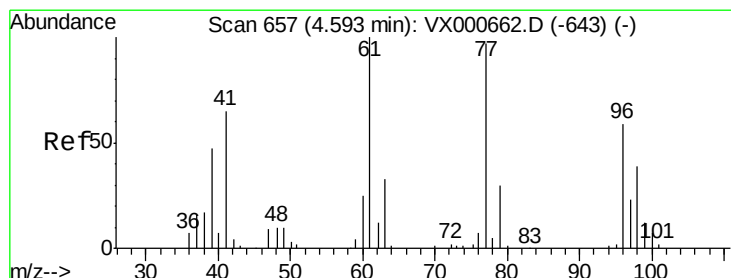
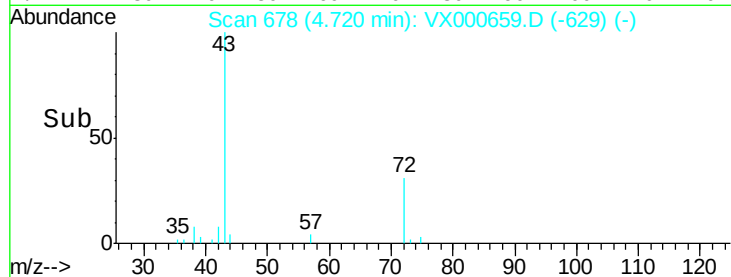
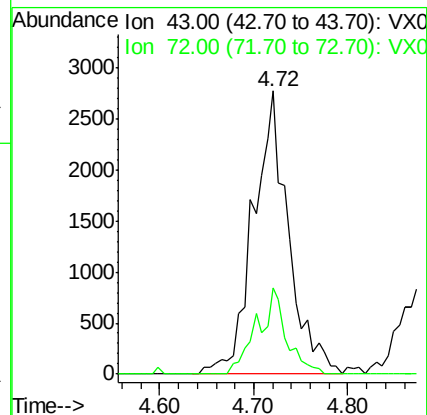
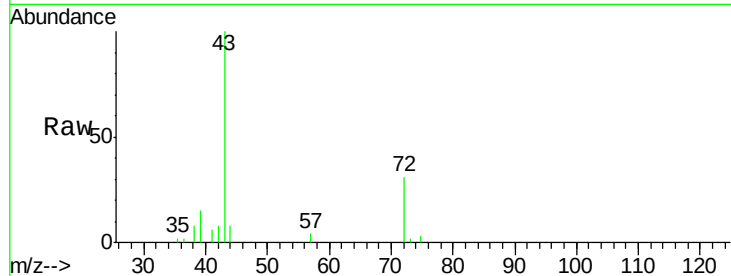
VSTDIC001

Tot Ion: 43.00 Resp: 7268

Ion Ratio Lower Upper

43 100

72 30.6 20.0 30.0#



#26

2,2-Dichloropropane

Concen: 0.49 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX000659.D

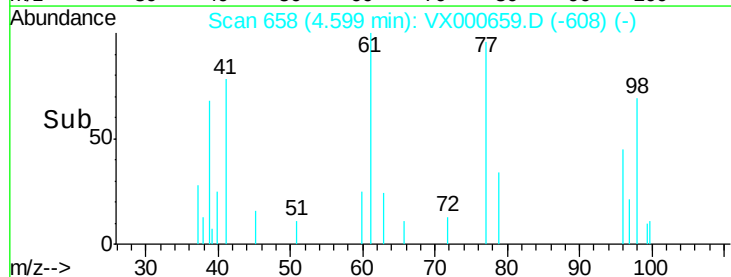
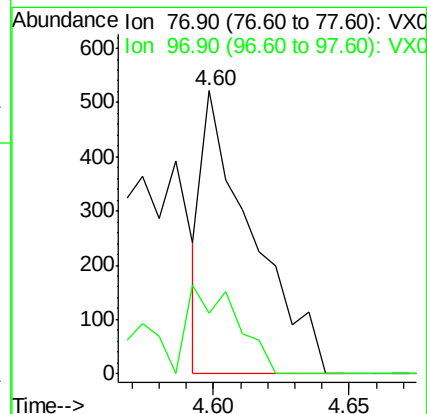
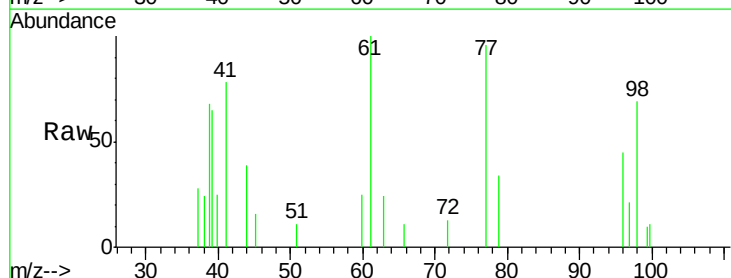
Acq: 04 Apr 2018 15:53

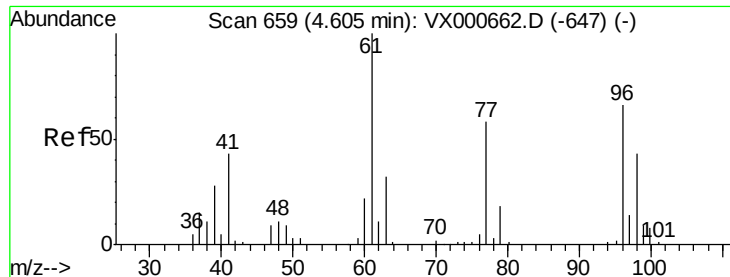
Tgt Ion: 77 Resp: 661

Ion Ratio Lower Upper

77 100

97 31.0 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 1.08 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

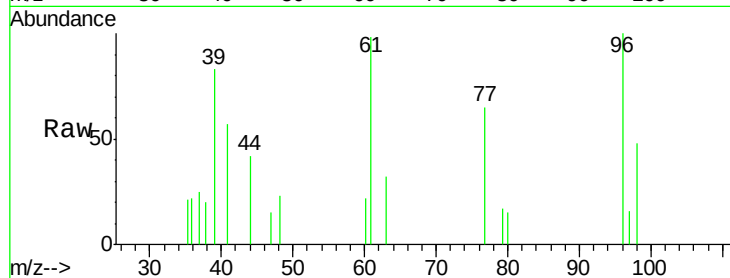
Tot Ion: 96 Resp: 1113

Ion Ratio Lower Upper

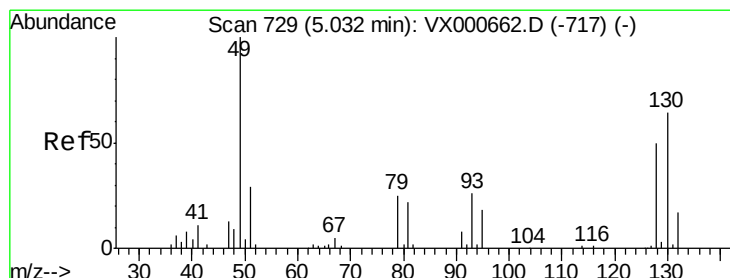
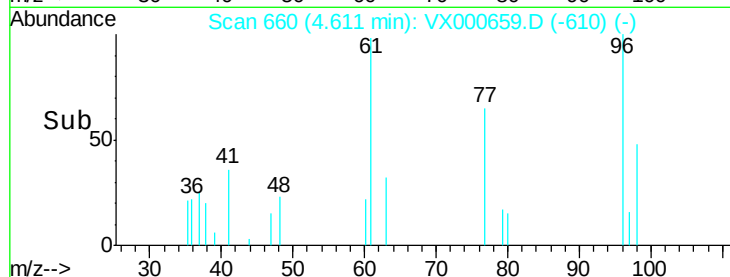
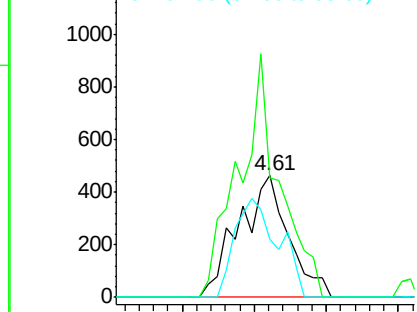
96 100

61 162.3 0.0 309.4

98 70.7 0.0 129.2



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



#28

Bromochloromethane

Concen: 1.06 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

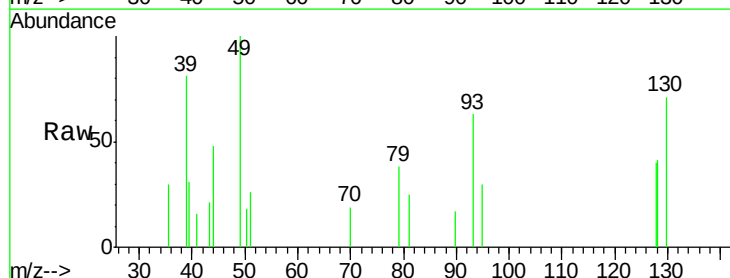
Tgt Ion: 49 Resp: 859

Ion Ratio Lower Upper

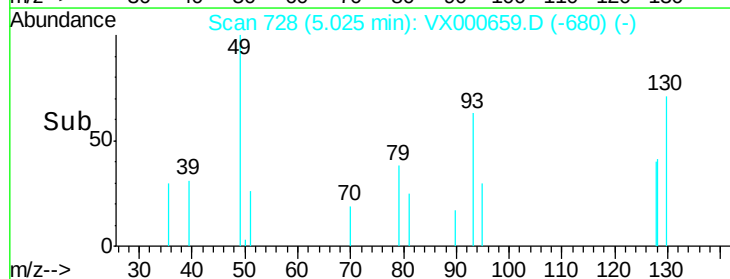
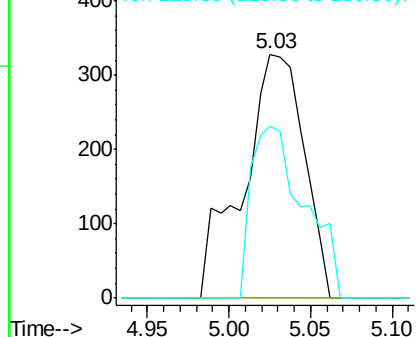
49 100

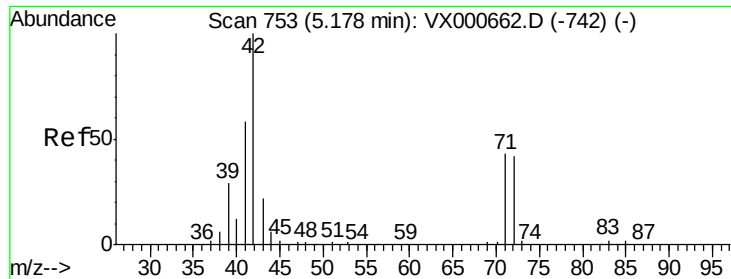
129 0.0 0.0 4.8

130 61.2 53.8 80.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 5.99 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

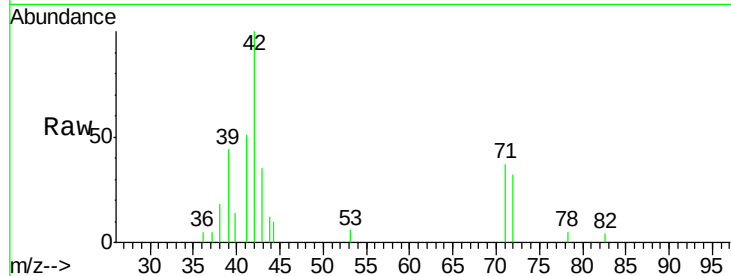
Tot Ion: 42 Resp: 4246

Ion Ratio Lower Upper

42 100

72 41.7 34.5 51.7

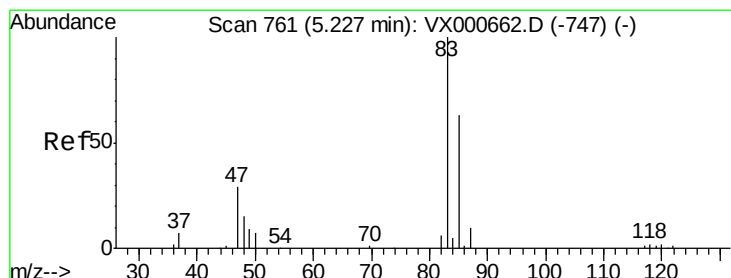
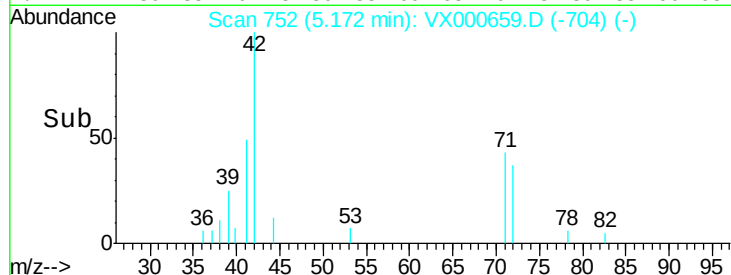
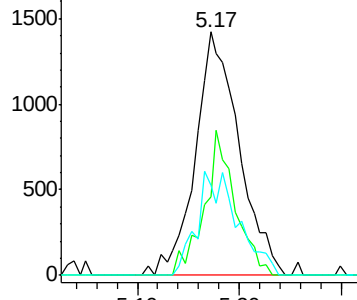
71 19.5 32.2 48.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 1.17 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000659.D

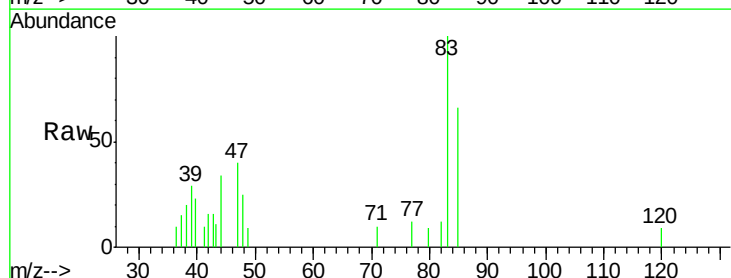
Acq: 04 Apr 2018 15:53

Tgt Ion: 83 Resp: 2160

Ion Ratio Lower Upper

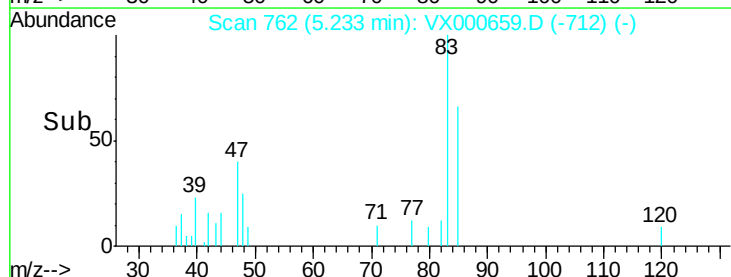
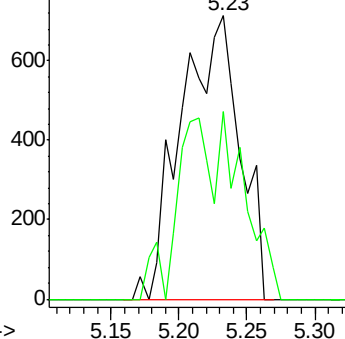
83 100

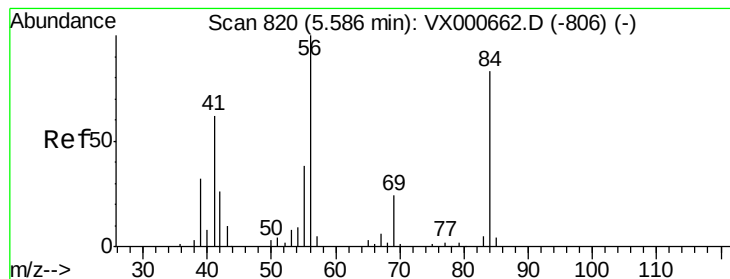
85 66.1 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.20 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

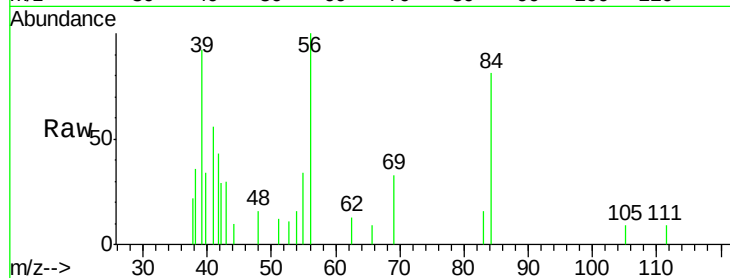
Tot Ion: 56 Resp: 1812

Ion Ratio Lower Upper

56 100

69 32.6 19.4 29.0#

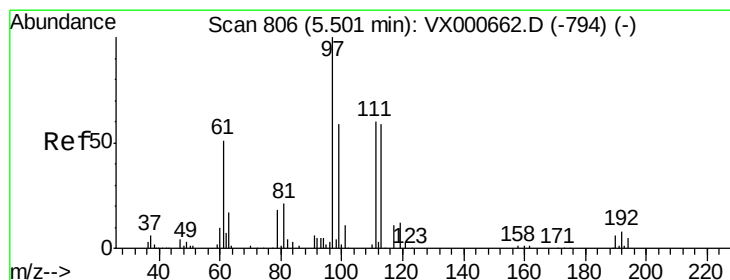
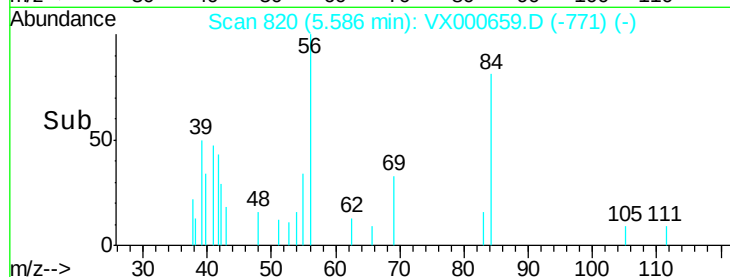
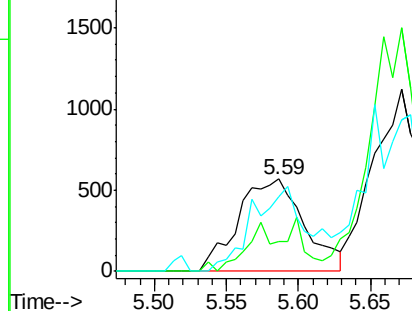
84 80.6 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.93 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

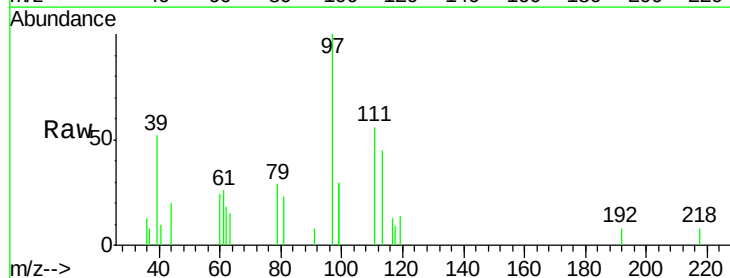
Tgt Ion: 97 Resp: 1537

Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5#

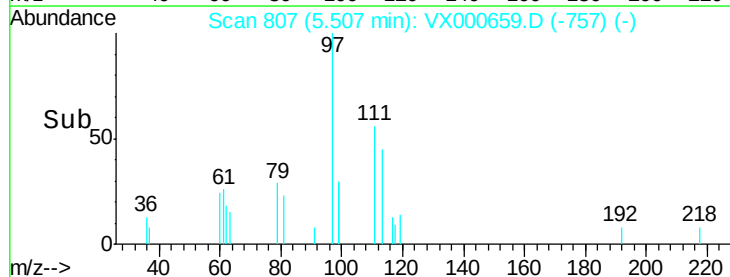
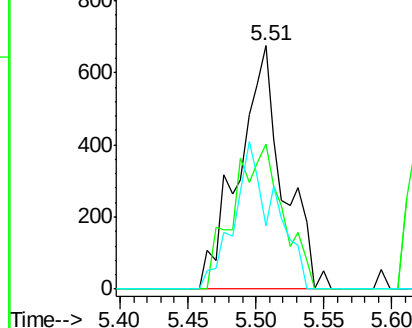
61 55.3 41.4 62.2

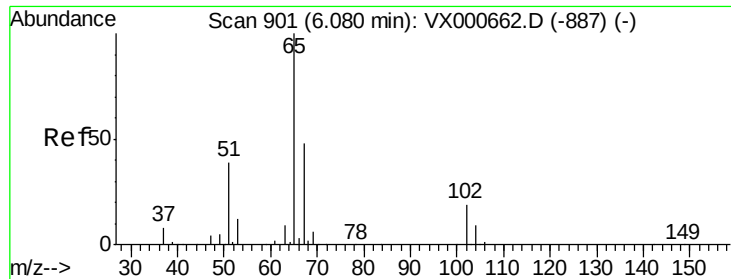


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

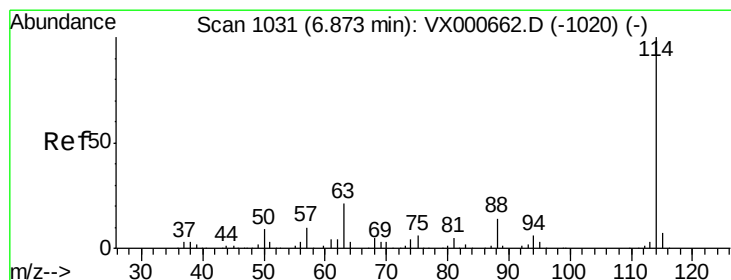
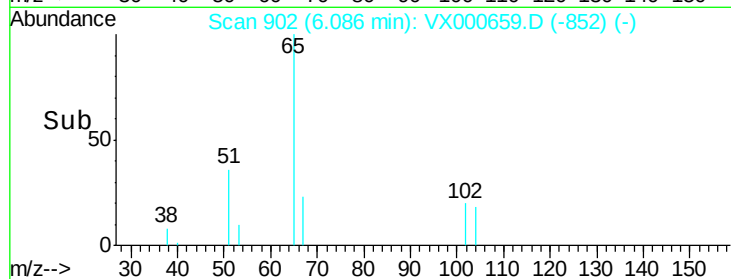
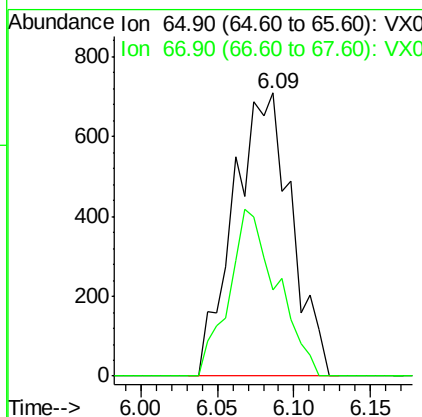
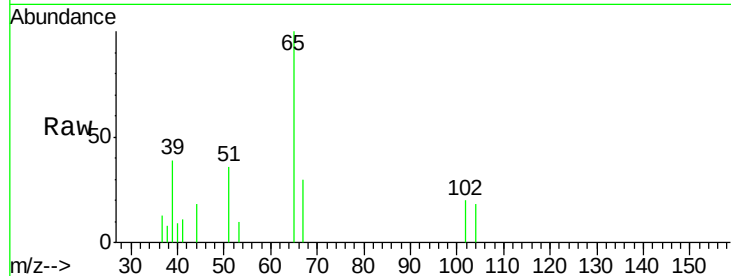




#33
 1,2-Dichloroethane-d4
 Concen: 1.47 ug/l
 RT: 6.09 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

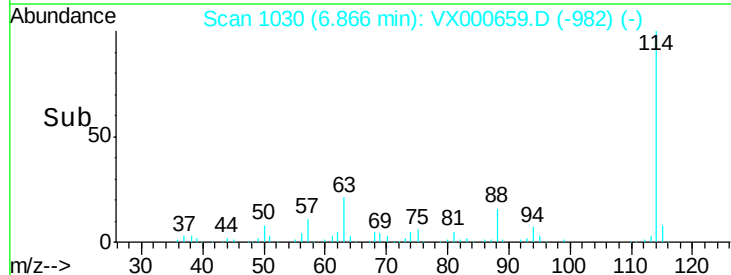
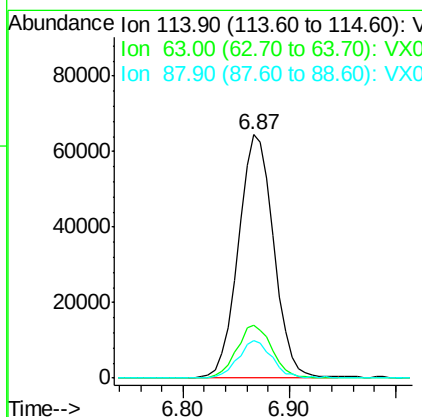
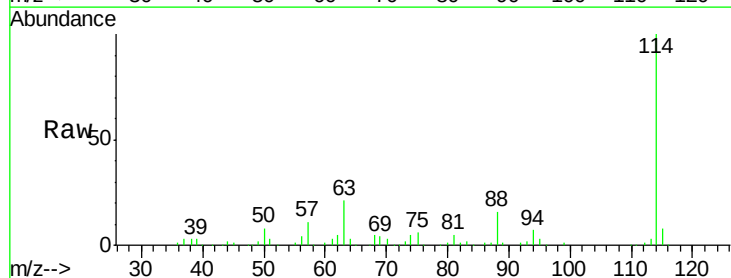
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

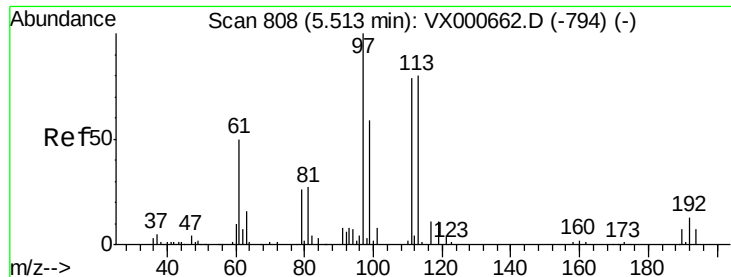
Tot Ion: 65 Resp: 1857
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion: 114 Resp: 150441
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.6
 88 15.6 0.0 28.6

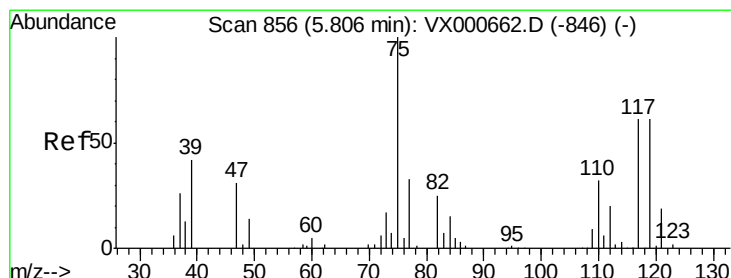
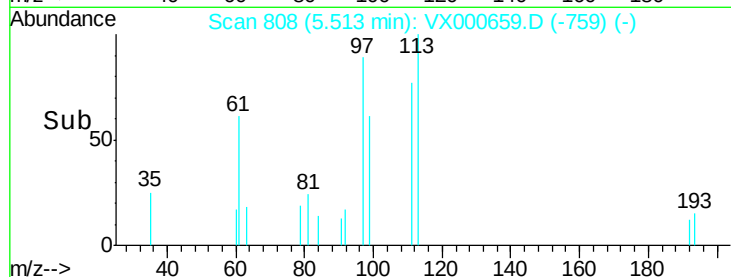
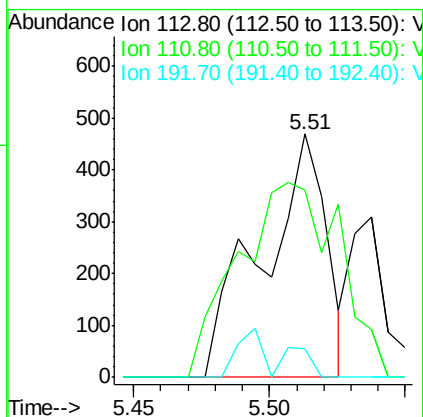
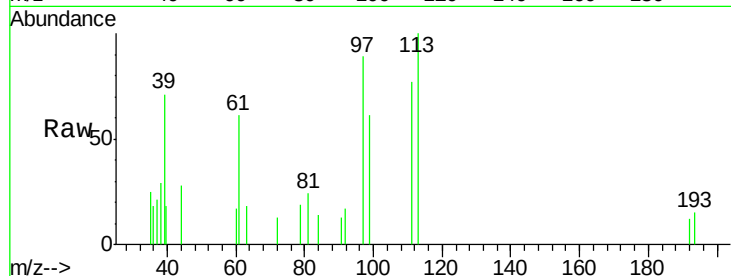




#35
 Dibromofluoromethane
 Concen: 0.80 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

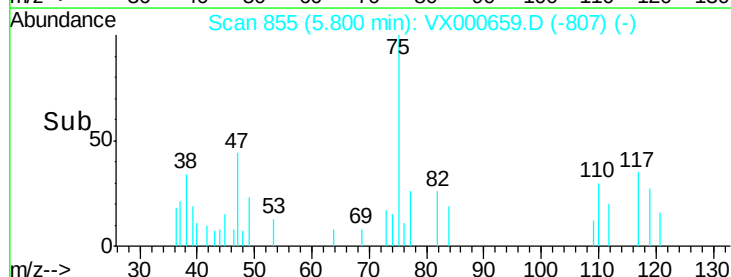
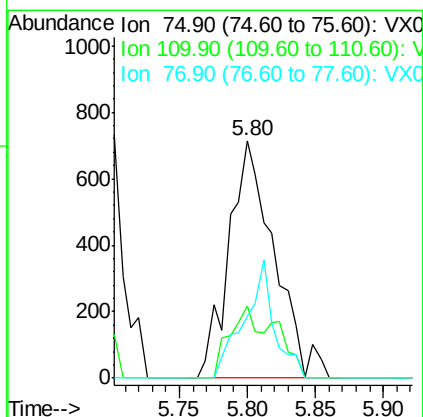
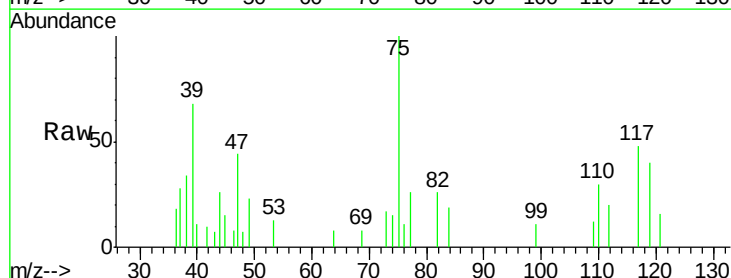
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

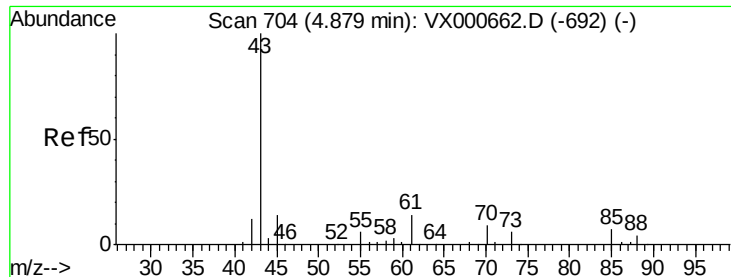
Tot Ion:113 Resp: 767
 Ion Ratio Lower Upper
 113 100
 111 126.3 82.0 123.0#
 192 7.7 14.3 21.5#



#36
 1,1-Dichloropropene
 Concen: 1.19 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion: 75 Resp: 1661
 Ion Ratio Lower Upper
 75 100
 110 20.0 16.3 48.9
 77 32.9 24.3 36.5

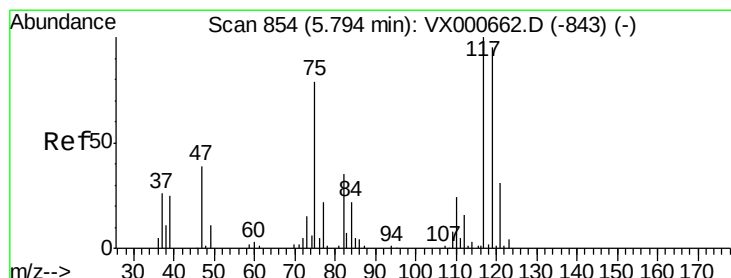
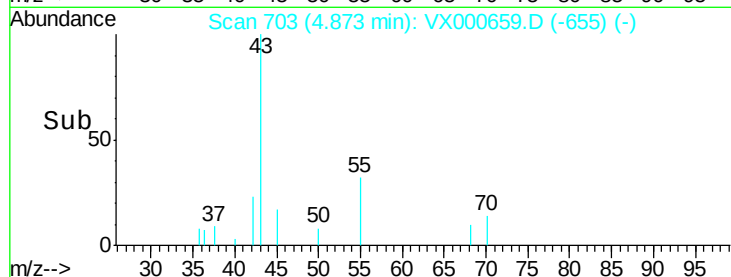
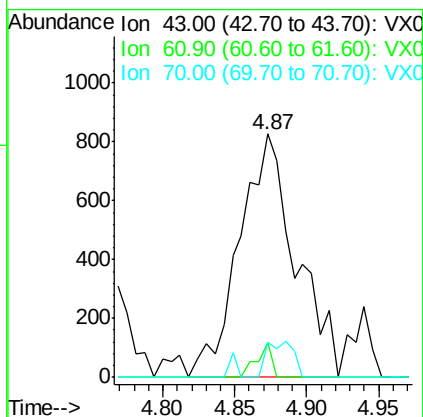
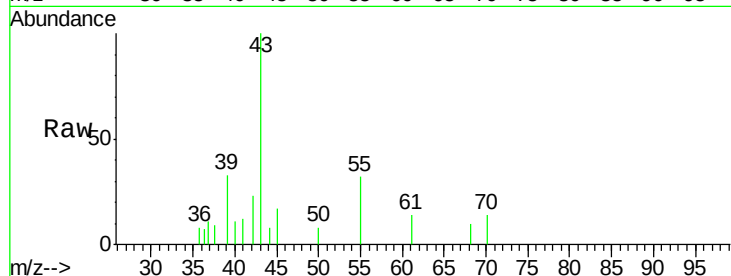




#37
Ethyl Acetate
Concen: 1.17 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

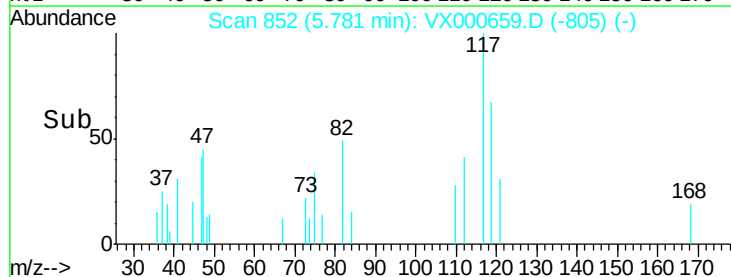
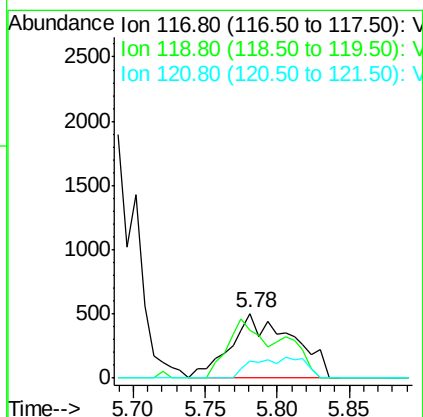
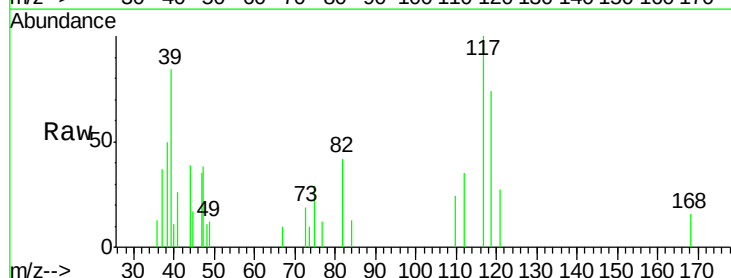
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

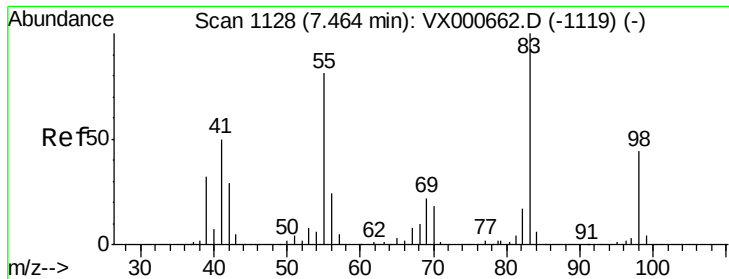
Tot Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
61 3.6 10.4 15.6#
70 7.0 6.8 10.2



#38
Carbon Tetrachloride
Concen: 1.03 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion: 117 Resp: 1485
Ion Ratio Lower Upper
117 100
119 74.0 76.1 114.1#
121 26.6 24.8 37.2

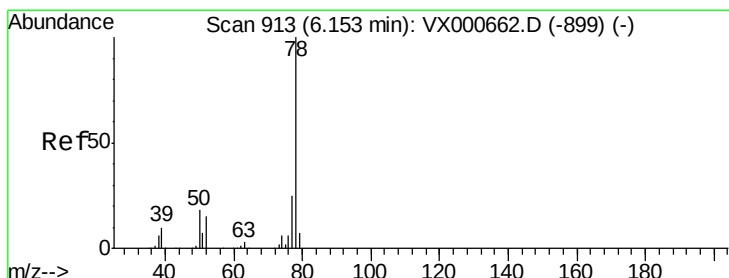
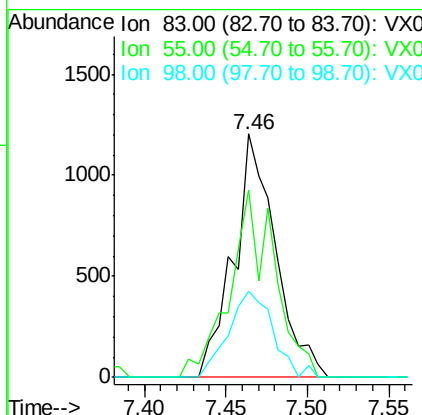
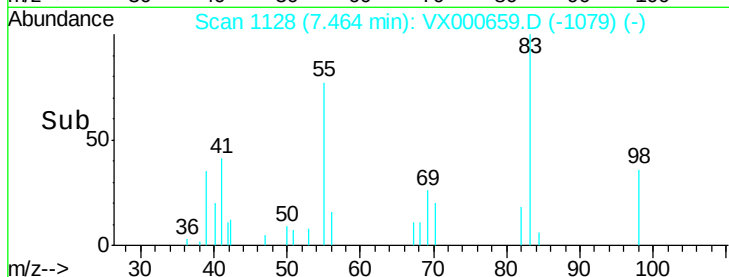
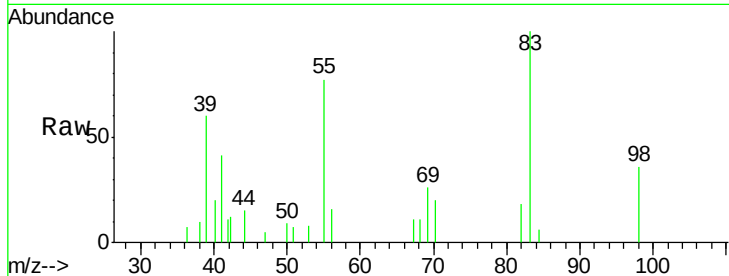




#39
Methylvlcyclohexane
Concen: 1.29 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

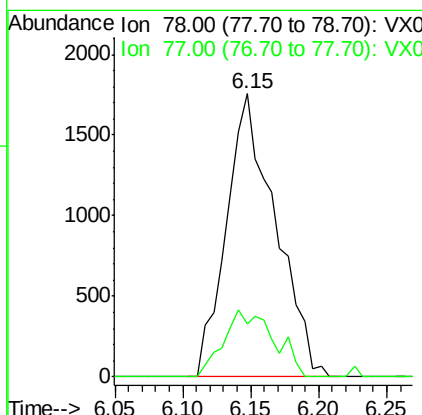
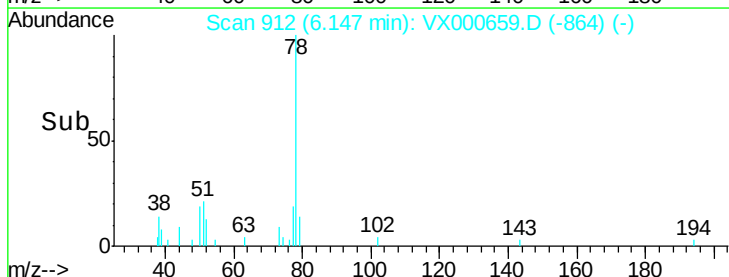
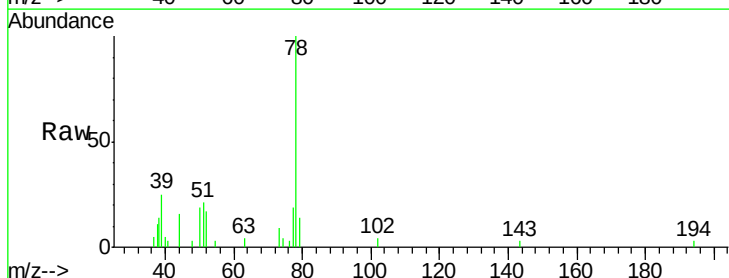
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

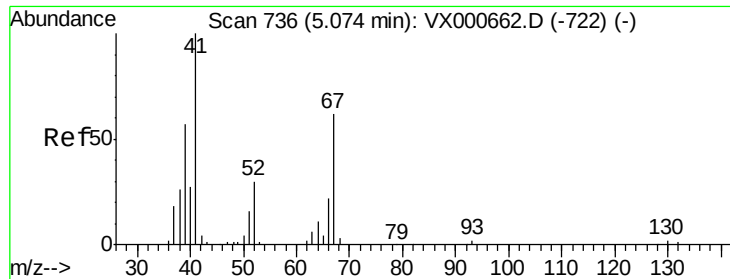
Tot Ion: 83 Resp: 2157
Ion Ratio Lower Upper
83 100
55 77.0 64.5 96.7
98 35.5 35.0 52.6



#40
Benzene
Concen: 1.10 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion: 78 Resp: 4409
Ion Ratio Lower Upper
78 100
77 18.6 20.2 30.2#

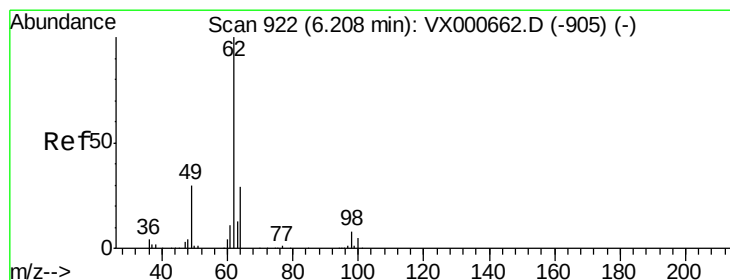
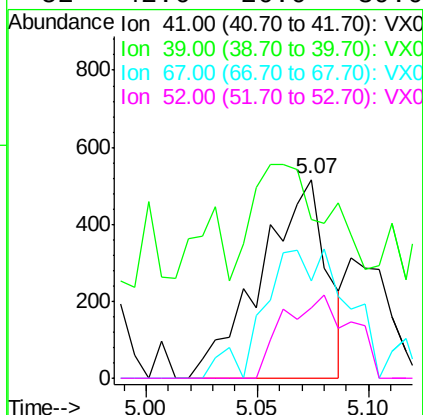
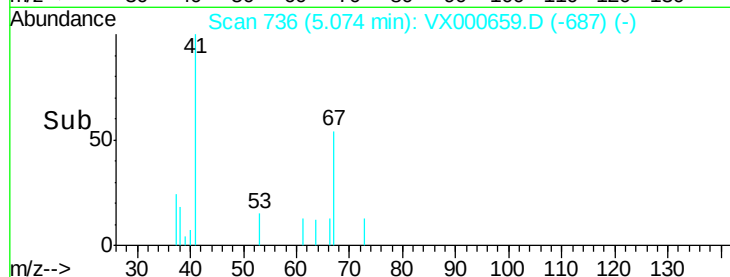
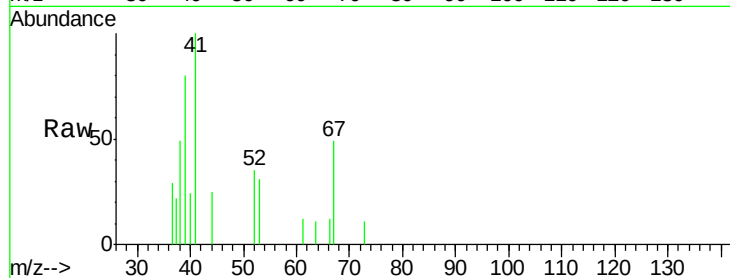




#41
Methacrylonitrile
Concen: 1.04 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

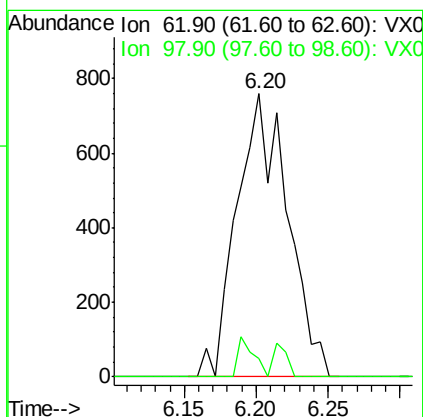
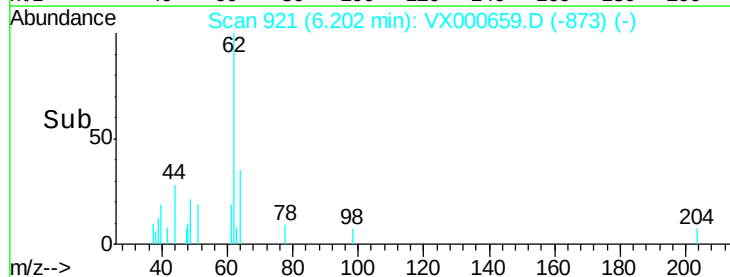
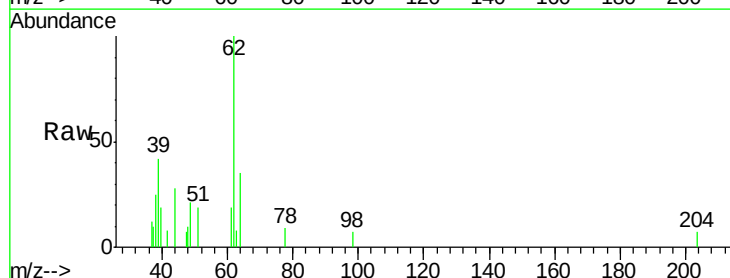
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

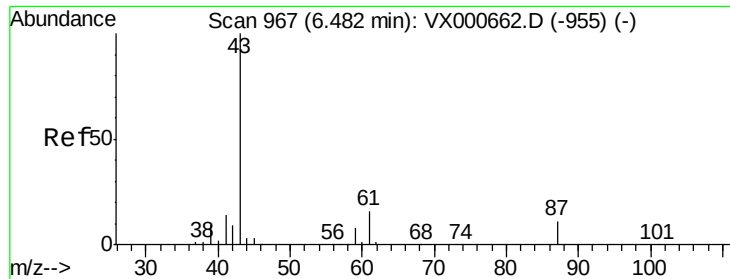
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.7	46.2	69.4
67	86.1	52.4	78.6
52	42.6	26.0	39.0



#42
1,2-Dichloroethane
Concen: 1.16 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 1.06 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

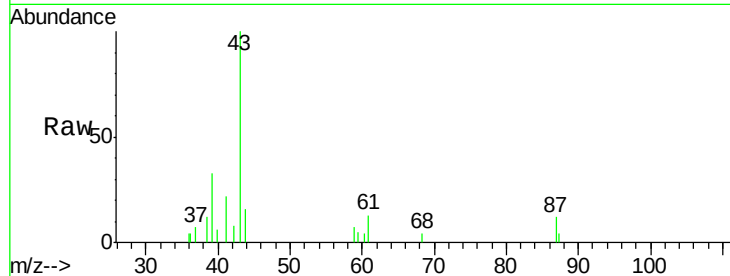
Tot Ion: 43 Resp: 3058

Ion Ratio Lower Upper

43 100

61 9.6 13.4 20.2#

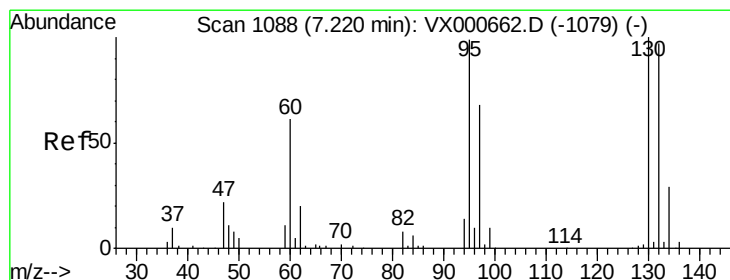
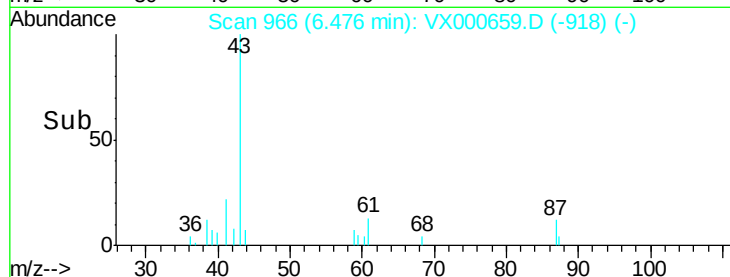
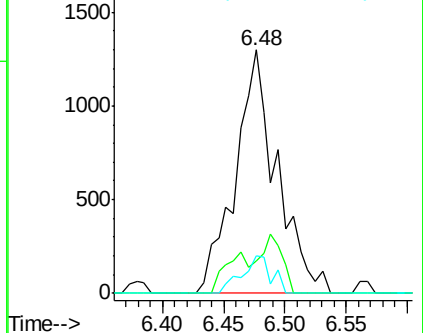
87 10.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 1.26 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX000659.D

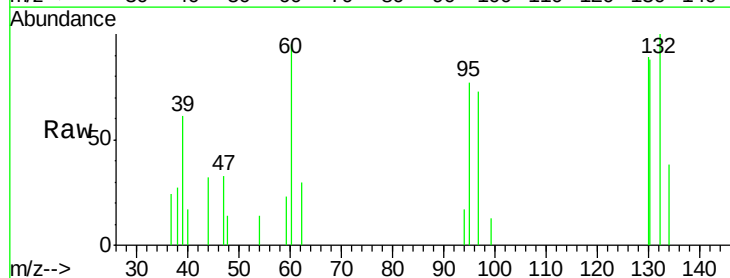
Acq: 04 Apr 2018 15:53

Tgt Ion: 130 Resp: 1454

Ion Ratio Lower Upper

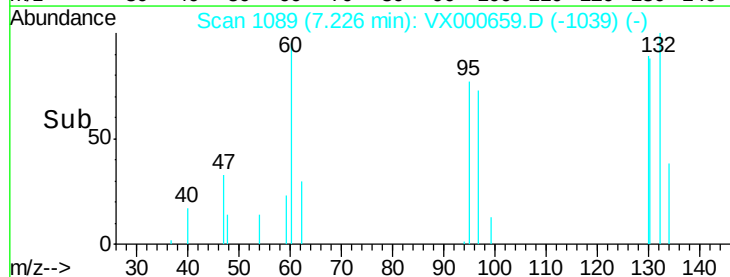
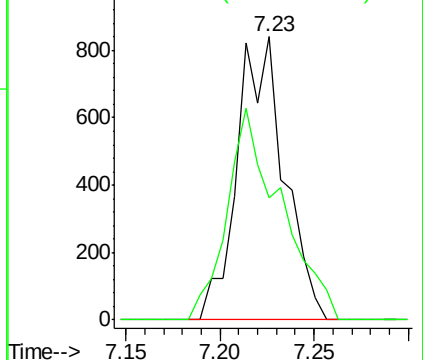
130 100

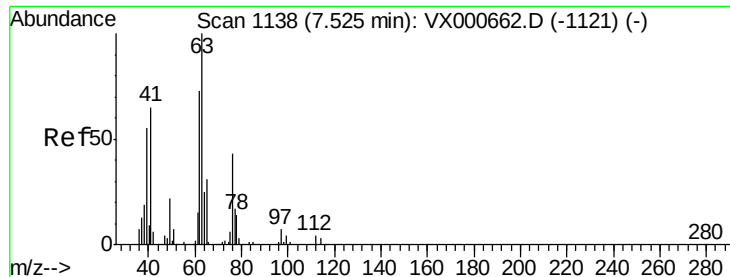
95 43.2 0.0 198.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.10 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

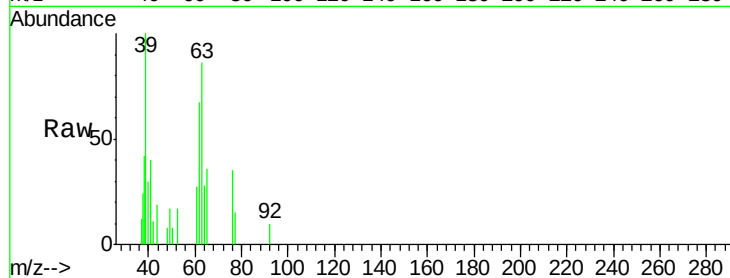
VSTDIC001

Tot Ion: 63 Resp: 1141

Ion Ratio Lower Upper

63 100

65 42.3 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

600

500

400

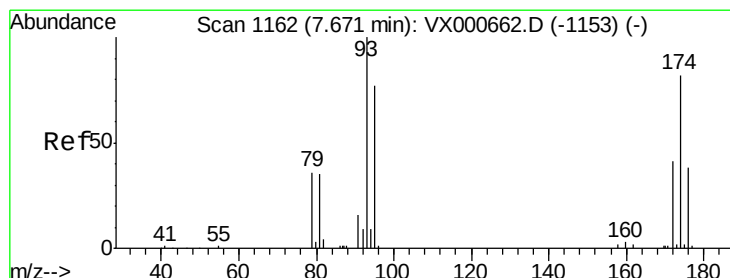
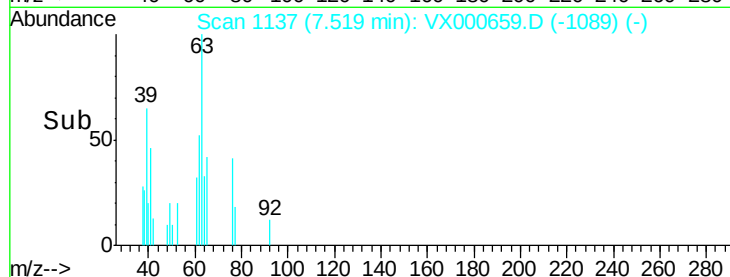
300

200

100

0

Time--> 7.45 7.50 7.55



#46

Dibromomethane

Concen: 1.02 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

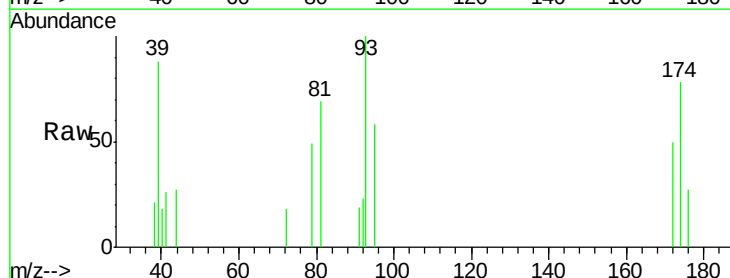
Tgt Ion: 93 Resp: 824

Ion Ratio Lower Upper

93 100

95 88.0 65.3 97.9

174 78.6 70.2 105.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

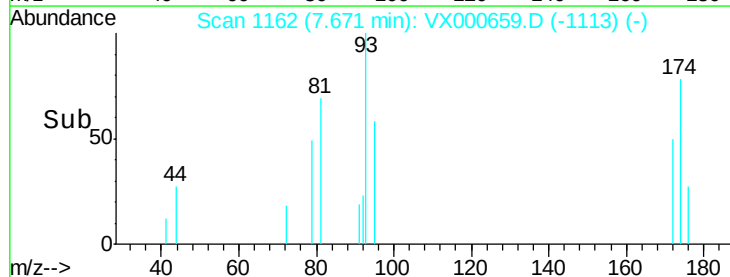
600

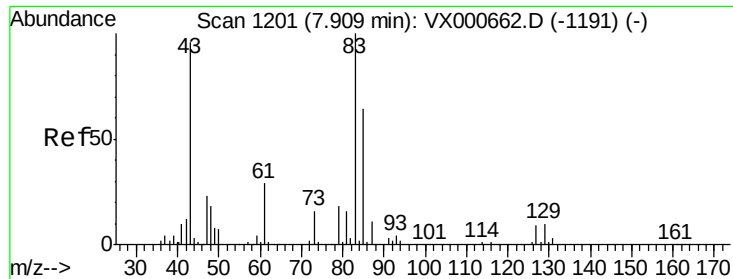
400

200

0

Time--> 7.60 7.65 7.70





#47

Bromodichloromethane

Concen: 1.04 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

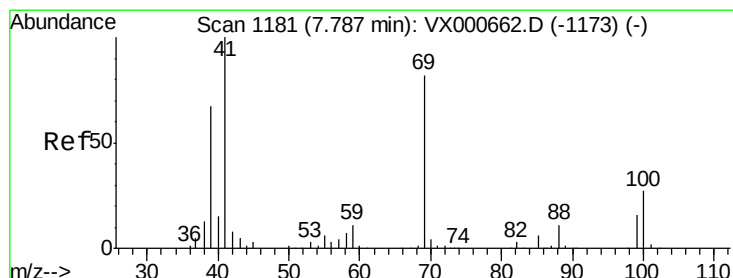
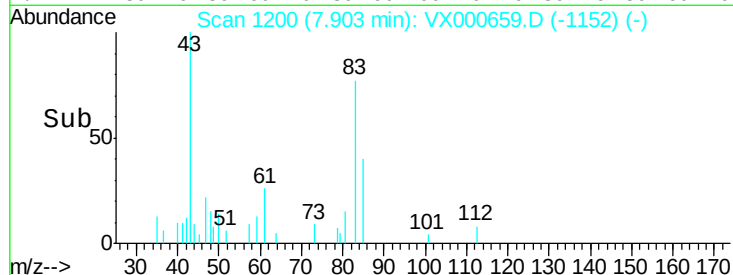
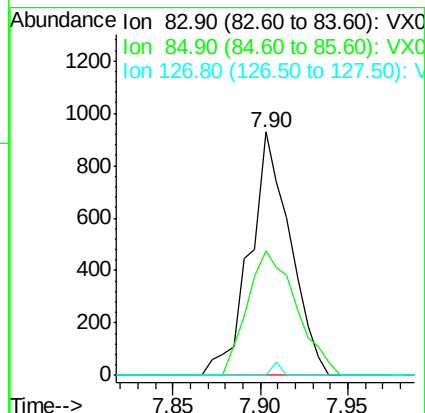
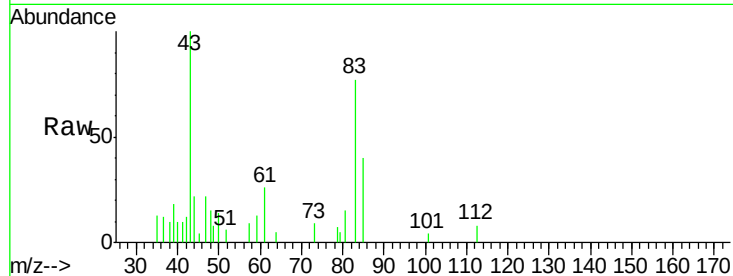
Tot Ion: 83 Resp: 1489

Ion Ratio Lower Upper

83 100

85 51.3 51.4 77.0#

127 0.0 7.3 10.9#



#48

Methyl methacrylate

Concen: 1.23 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

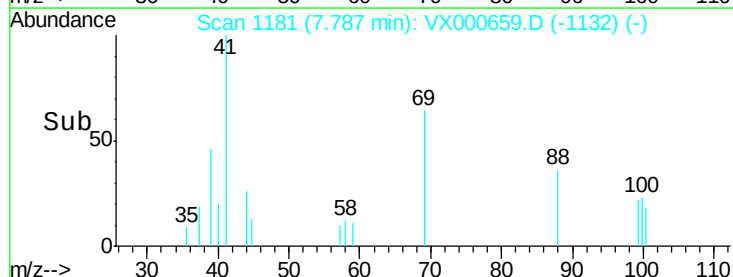
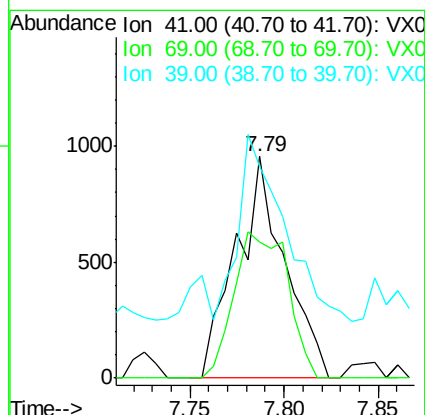
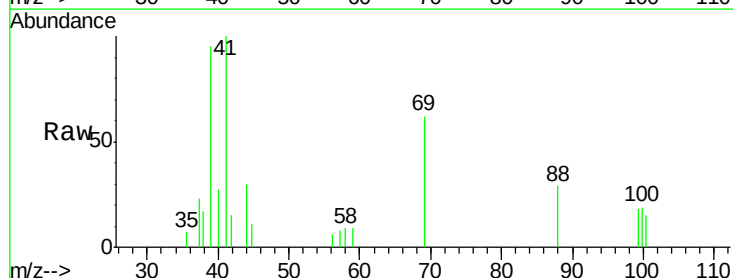
Tgt Ion: 41 Resp: 1714

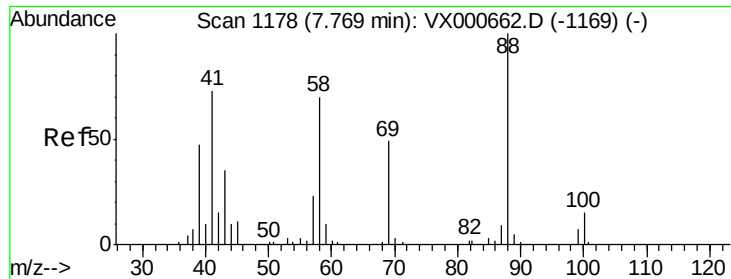
Ion Ratio Lower Upper

41 100

69 72.5 64.3 96.5

39 79.2 57.0 85.4

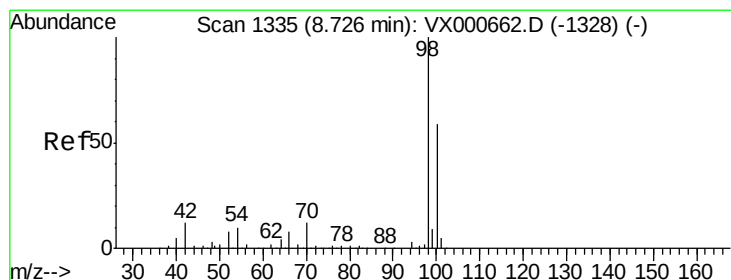
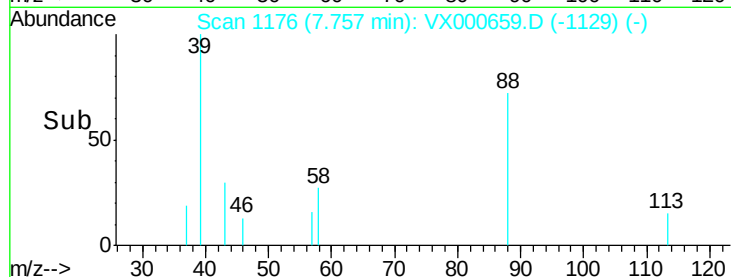
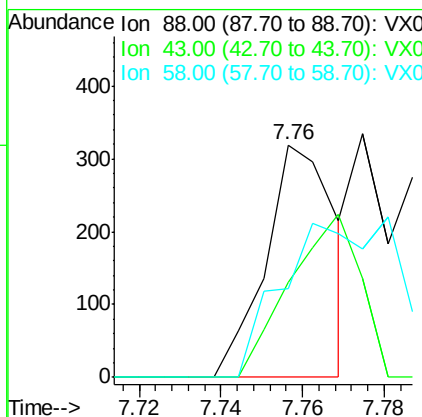
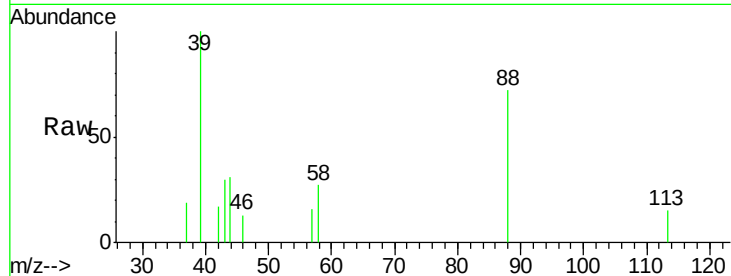




#49
1,4-Dioxane
Concen: 12.73 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

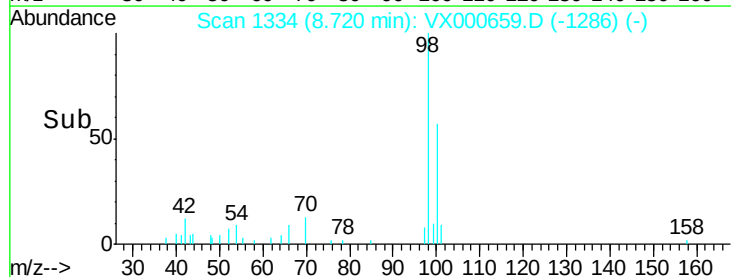
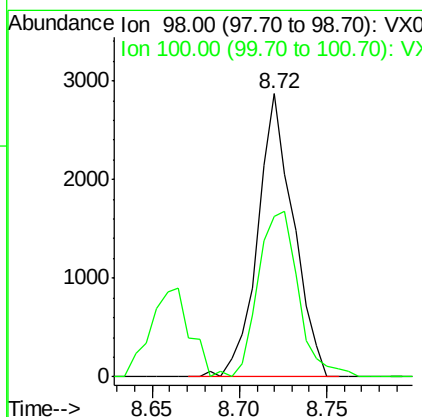
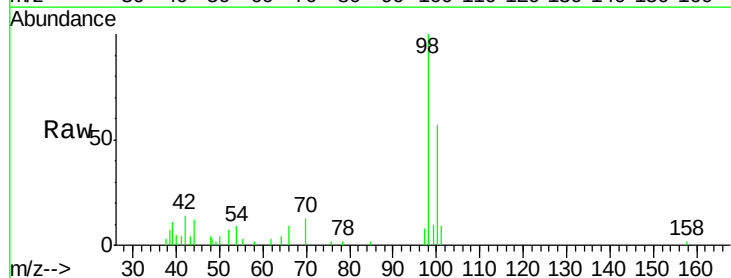
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

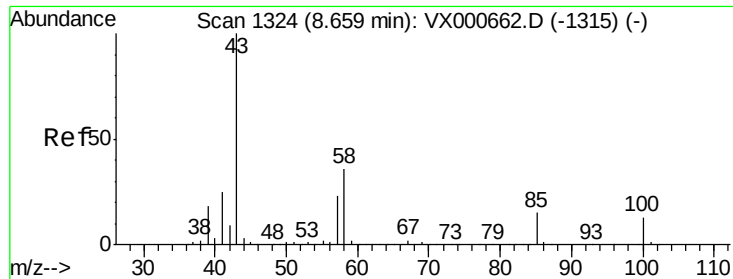
Tot Ion: 88 Resp: 377
Ion Ratio Lower Upper
88 100
43 71.4 29.4 44.0#
58 0.0 53.4 80.0#



#50
Toluene-d8
Concen: 1.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion: 98 Resp: 4081
Ion Ratio Lower Upper
98 100
100 65.3 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 4.74 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

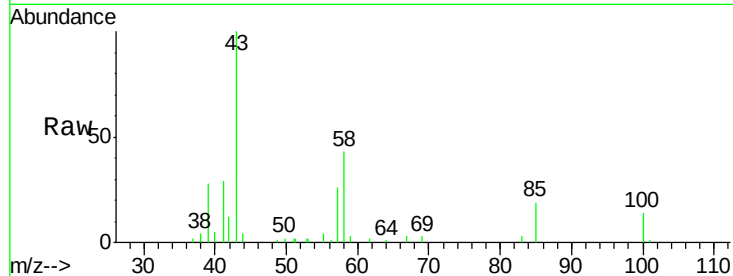
VSTDIC001

Tot Ion: 43 Resp: 10703

Ion Ratio Lower Upper

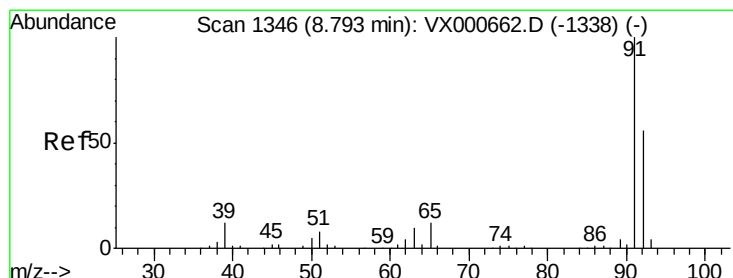
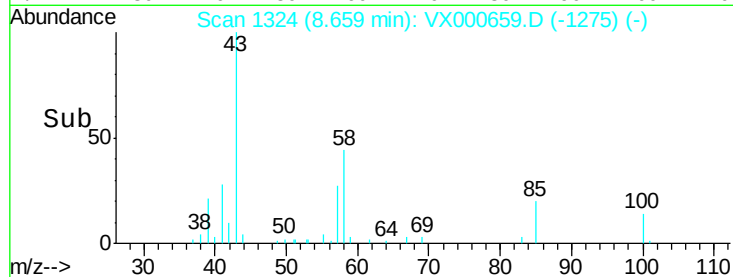
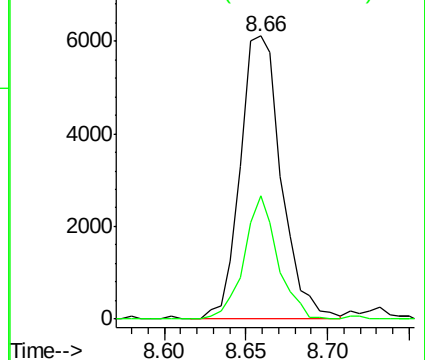
43 100

58 35.7 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.02 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX000659.D

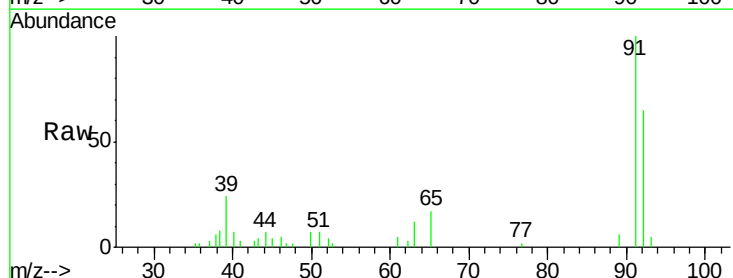
Acq: 04 Apr 2018 15:53

Tgt Ion: 92 Resp: 2894

Ion Ratio Lower Upper

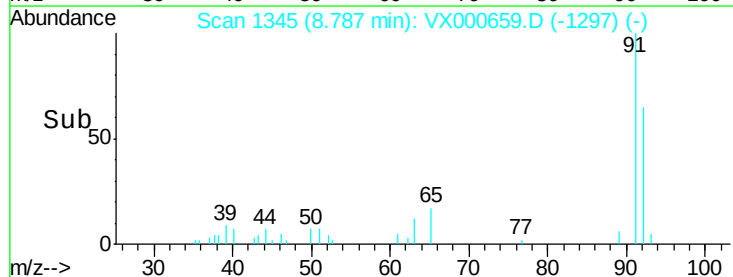
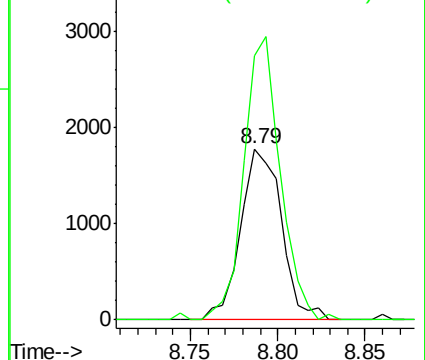
92 100

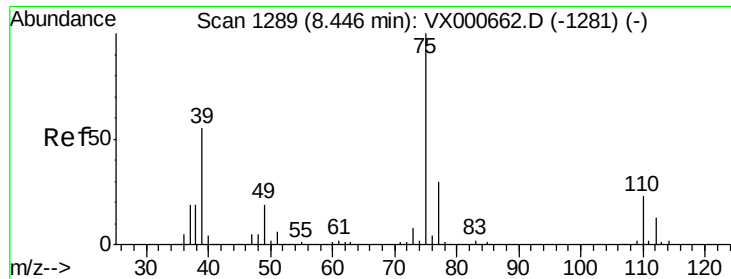
91 147.0 141.7 212.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 0.86 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

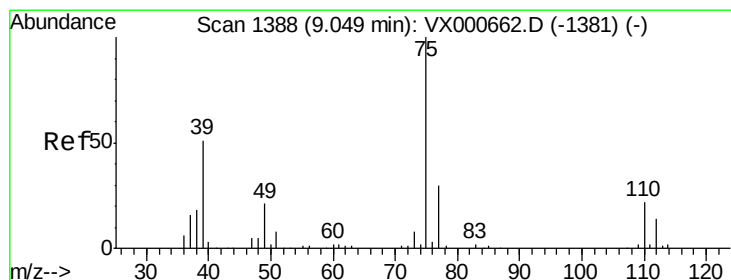
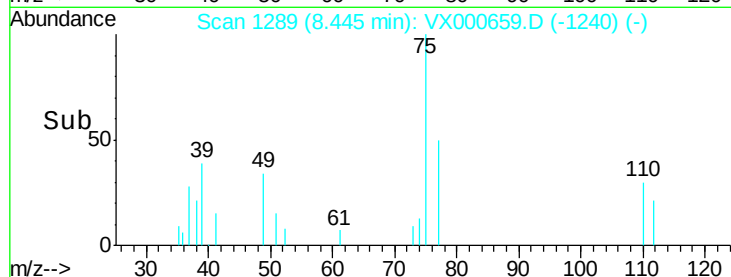
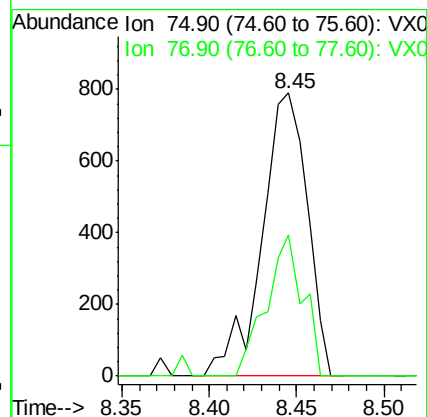
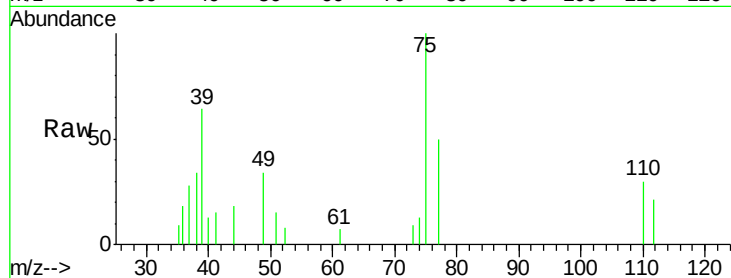
VSTDIC001

Tot Ion: 75 Resp: 1429

Ion Ratio Lower Upper

75 100

77 50.0 23.8 35.6#



#54

cis-1,3-Dichloropropene

Concen: 0.85 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

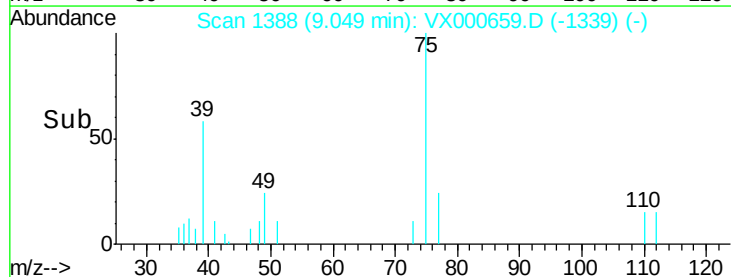
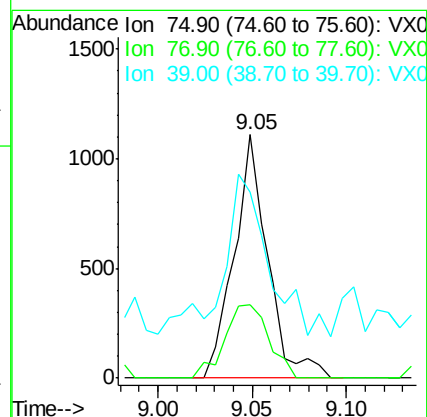
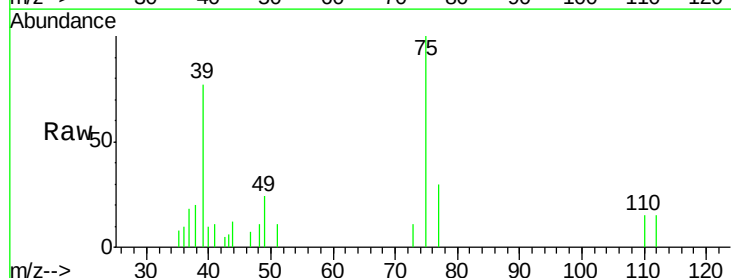
Tgt Ion: 75 Resp: 1375

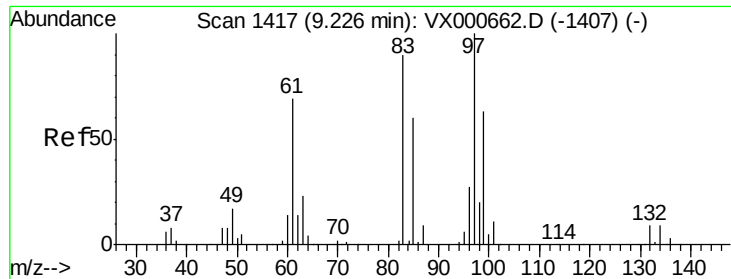
Ion Ratio Lower Upper

75 100

77 30.4 24.1 36.1

39 46.1 40.7 61.1

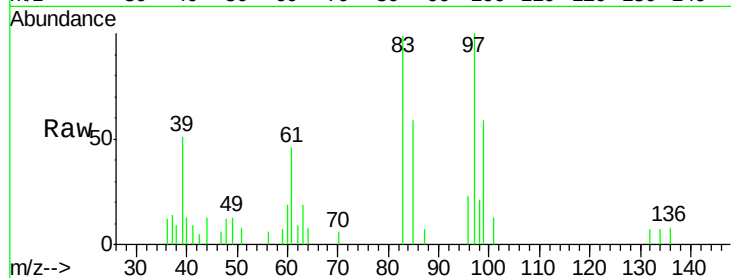




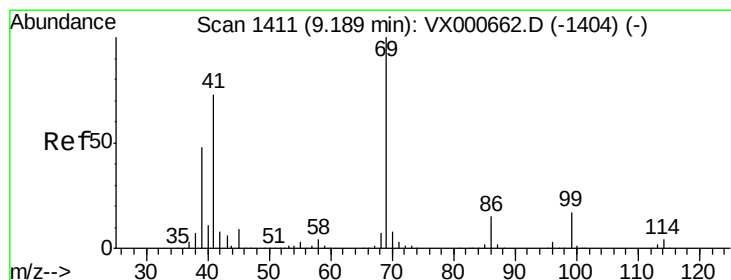
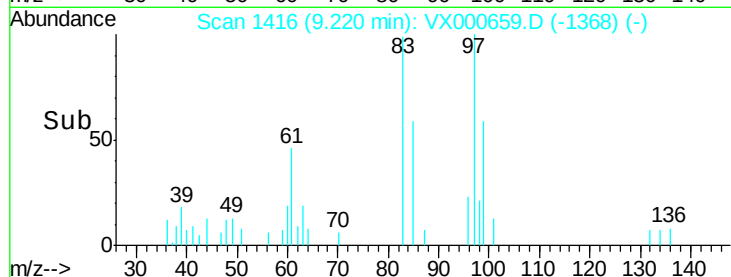
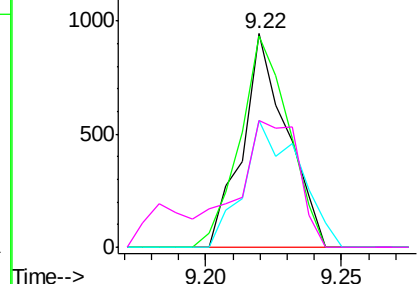
#55
 1,1,2-Trichloroethane
 Concen: 0.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion:	97	Resp:	1065
Ion	Ratio	Lower	Upper
97	100		
83	99.2	72.1	108.1
85	59.4	48.3	72.5
99	59.4	51.0	76.6

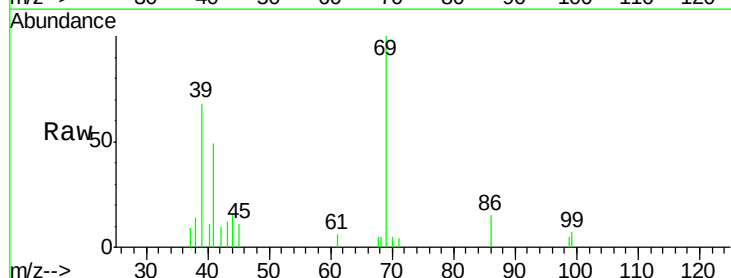


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

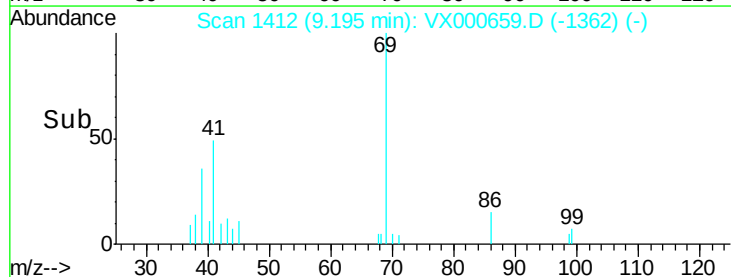
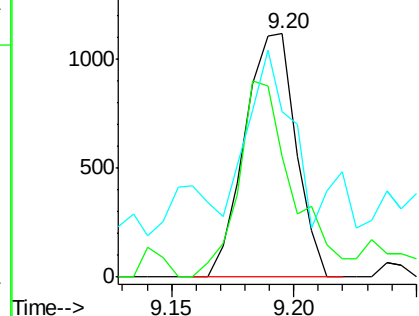


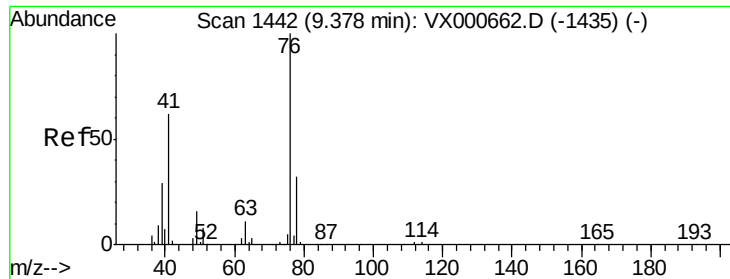
#56
 Ethyl methacrylate
 Concen: 0.92 ug/l
 RT: 9.20 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion:	69	Resp:	1626
Ion	Ratio	Lower	Upper
69	100		
41	84.7	56.5	84.7
39	62.9	39.8	59.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

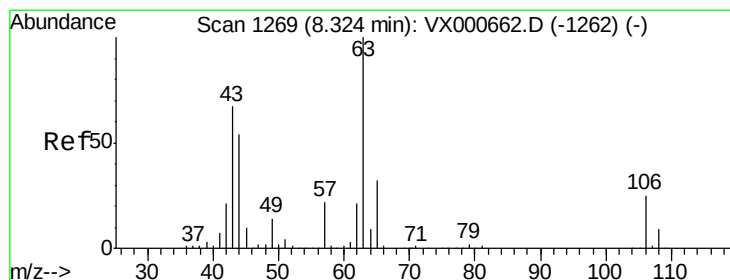
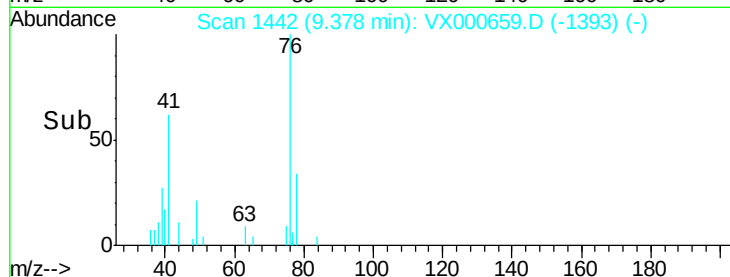
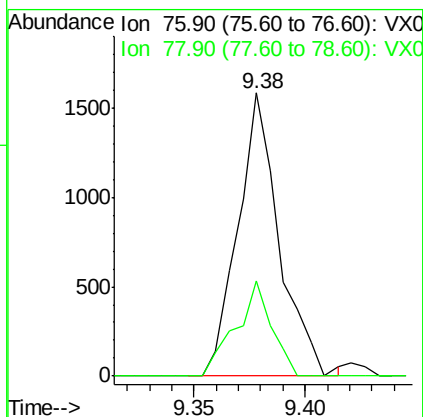
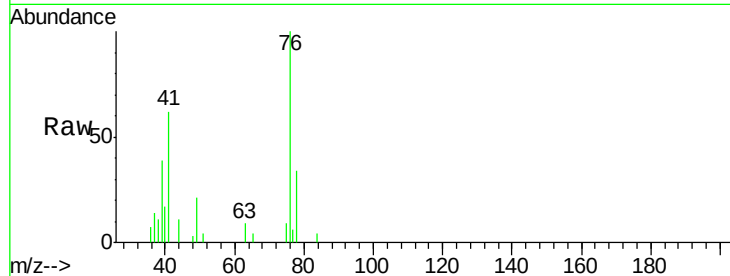




#57
 1,3-Dichloropropane
 Concen: 1.09 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

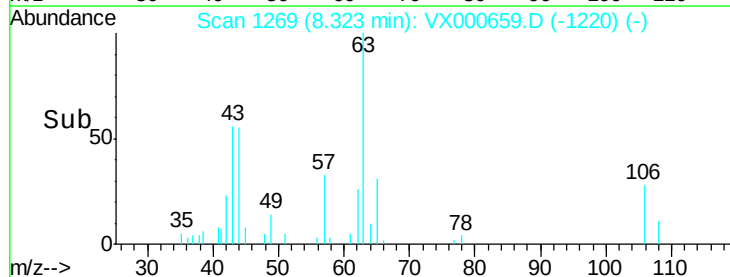
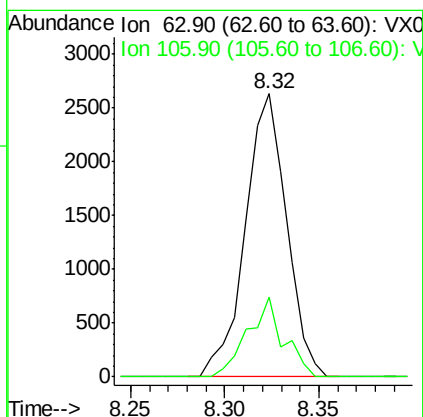
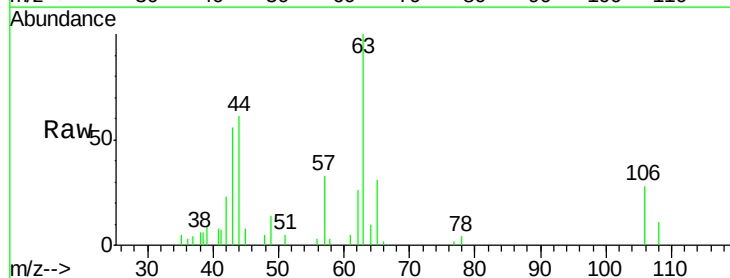
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

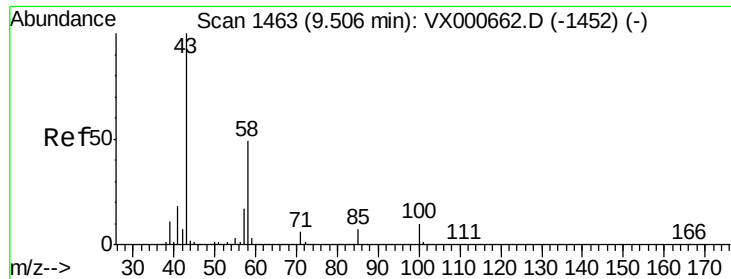
Tot Ion: 76 Resp: 2046
 Ion Ratio Lower Upper
 76 100
 78 29.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.82 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion: 63 Resp: 4000
 Ion Ratio Lower Upper
 63 100
 106 24.3 20.5 30.7

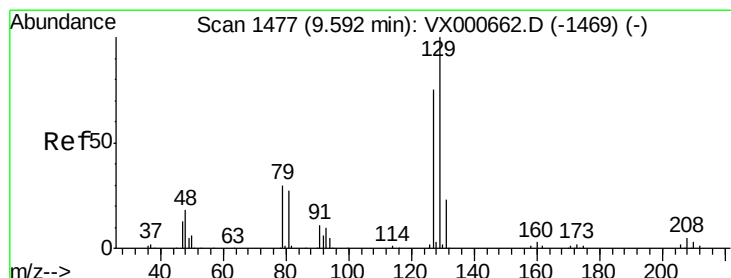
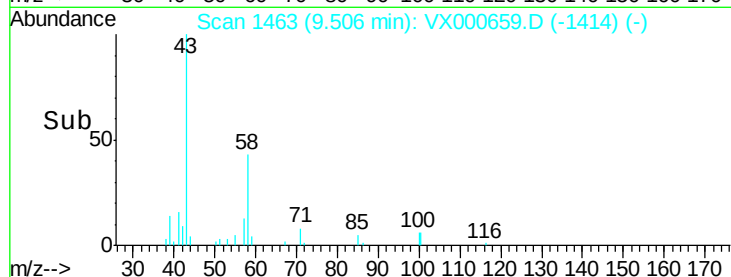
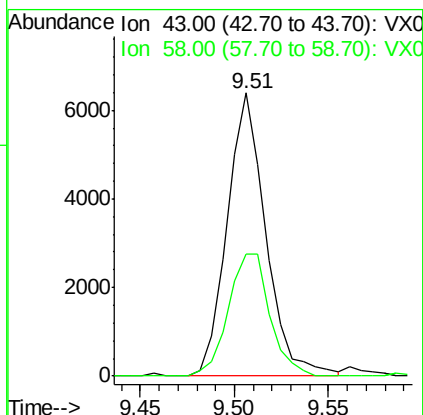
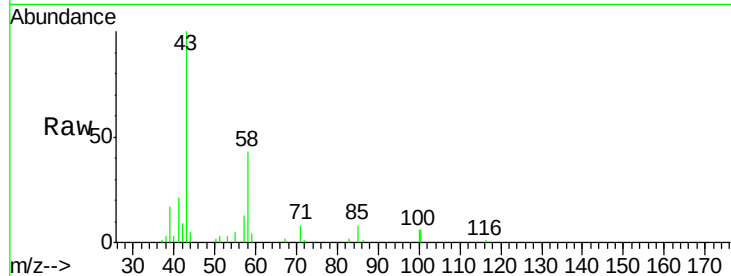




#59
2-Hexanone
Concen: 4.71 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

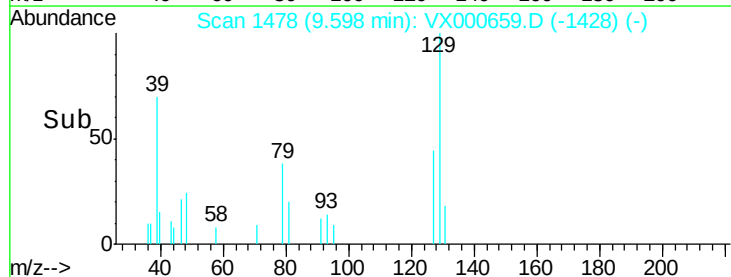
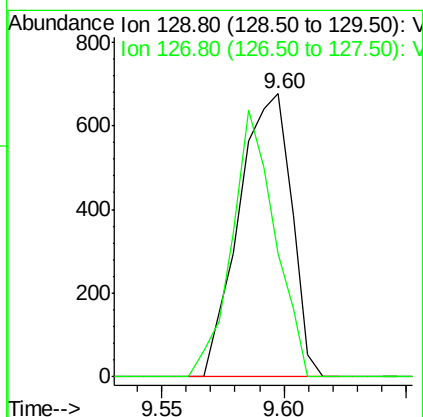
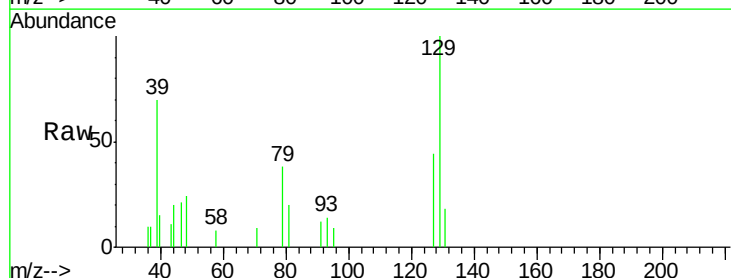
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

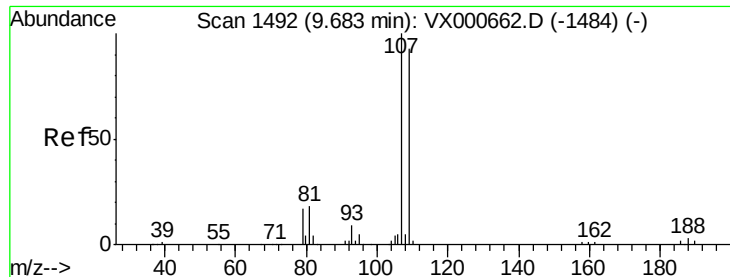
Tot Ion: 43.00 Resp: 9063
Ion Ratio Lower Upper
43 100
58 46.5 24.8 74.3



#60
Dibromochloromethane
Concen: 0.85 ug/l
RT: 9.60 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion: 129 Resp: 1011
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 0.92 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

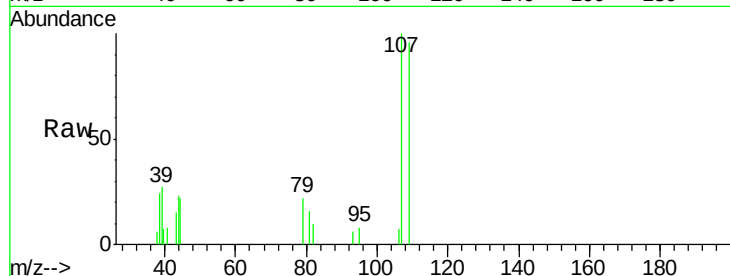
VSTDIC001

Tot Ion:107 Resp: 1153

Ion Ratio Lower Upper

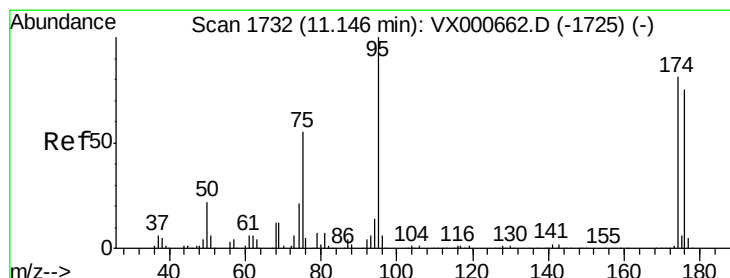
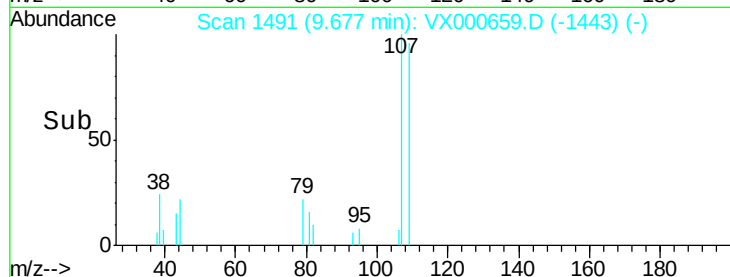
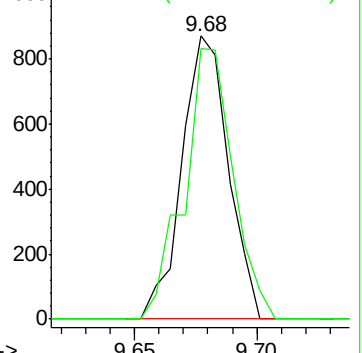
107 100

109 101.6 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 0.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

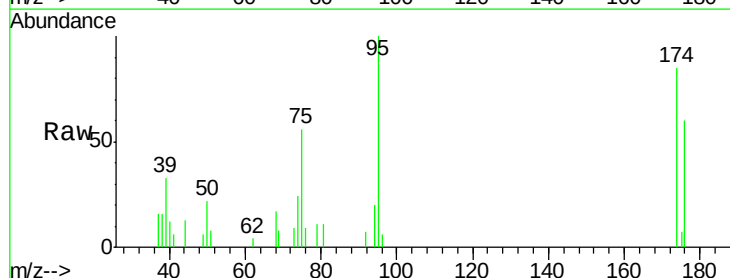
Tgt Ion: 95 Resp: 1556

Ion Ratio Lower Upper

95 100

174 85.7 0.0 156.8

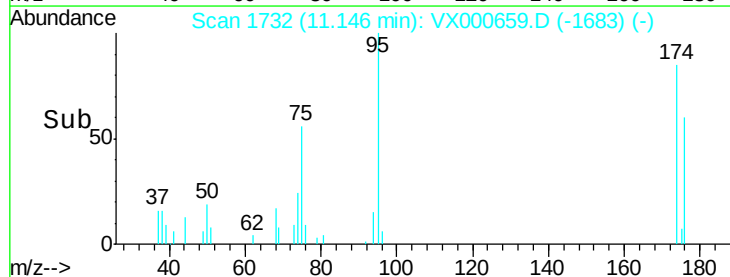
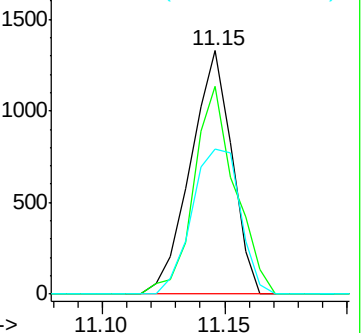
176 69.9 0.0 150.6

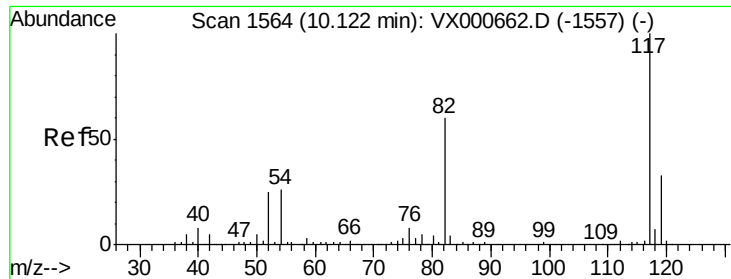


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

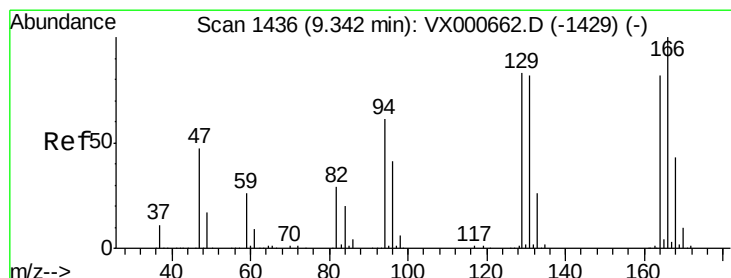
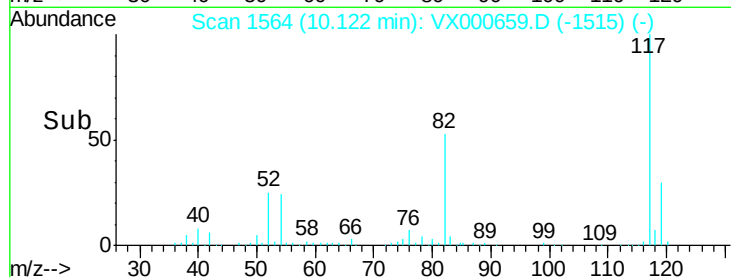
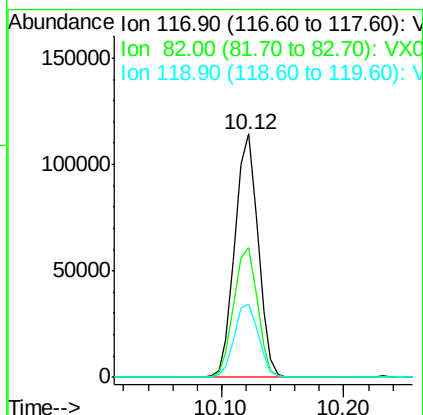
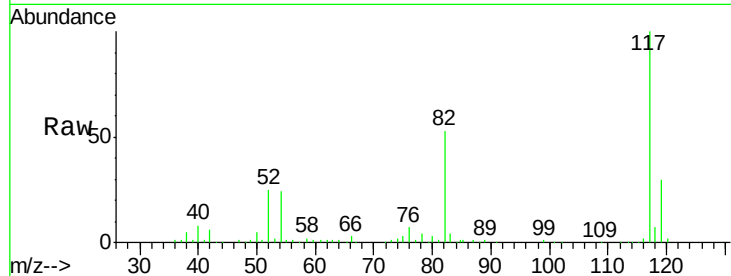




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

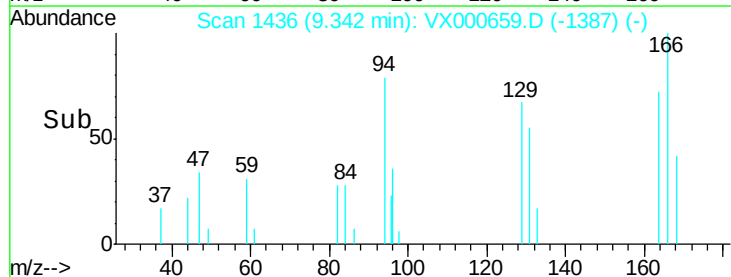
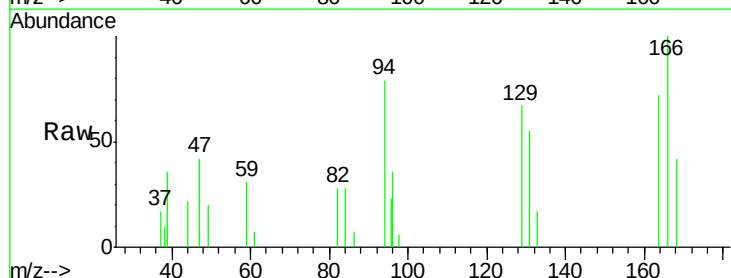
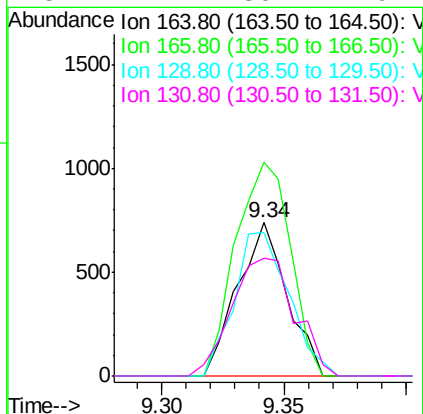
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

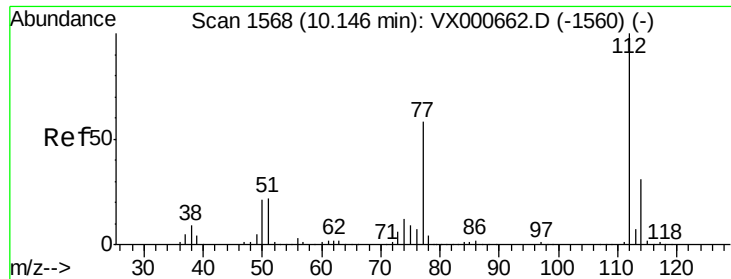
Tot Ion:117 Resp: 149621
Ion Ratio Lower Upper
117 100
82 53.4 48.3 72.5
119 30.2 26.0 39.0



#64
Tetrachloroethene
Concen: 0.93 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion:164 Resp: 1043
Ion Ratio Lower Upper
164 100
166 139.4 97.8 146.8
129 93.6 81.3 121.9
131 77.1 80.2 120.2#

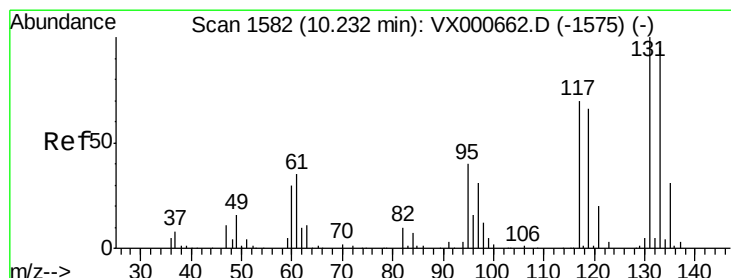
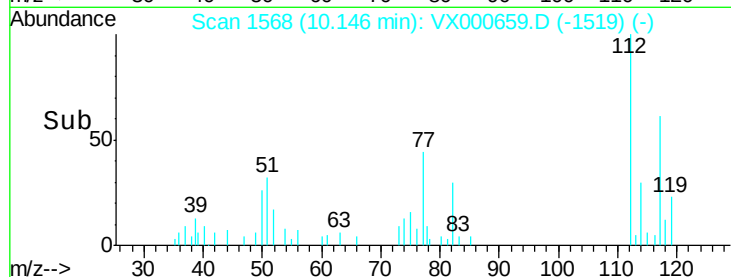
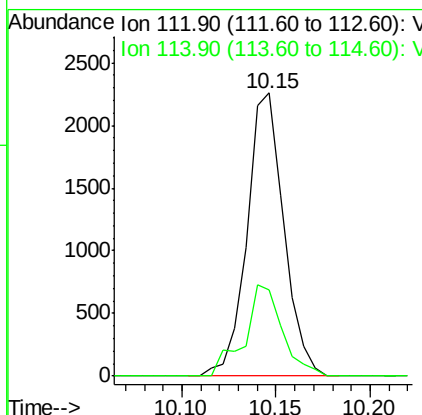
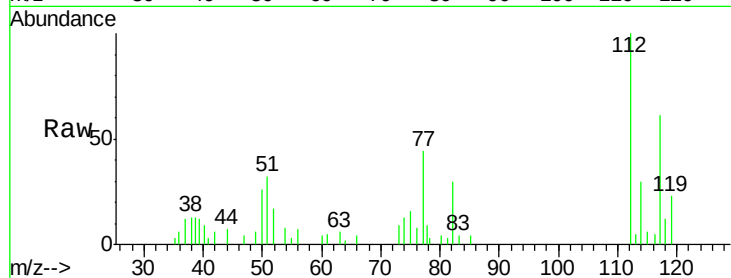




#65
Chlorobenzene
Concen: 0.94 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

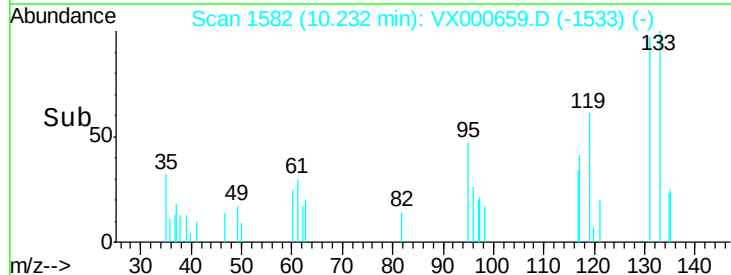
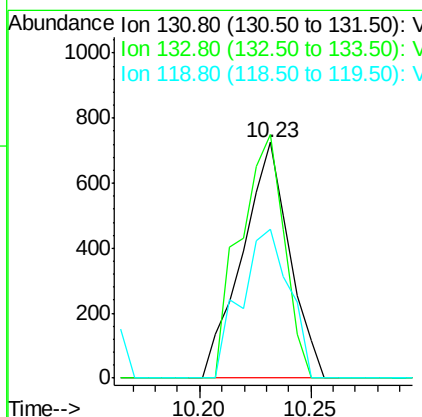
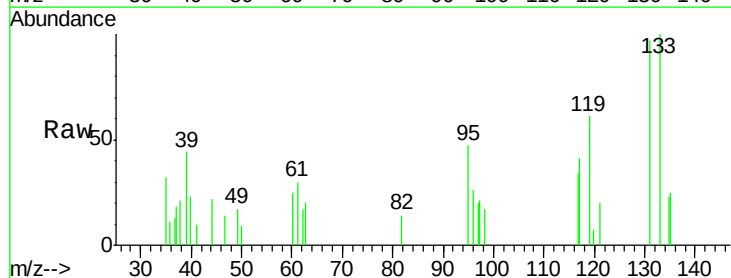
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

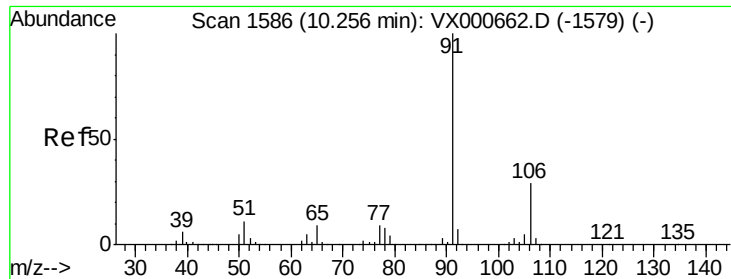
Tot Ion:112 Resp: 3056
Ion Ratio Lower Upper
112 100
114 30.4 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.98 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion:131 Resp: 1073
Ion Ratio Lower Upper
131 100
133 96.6 49.0 147.2
119 0.0 34.9 104.8#

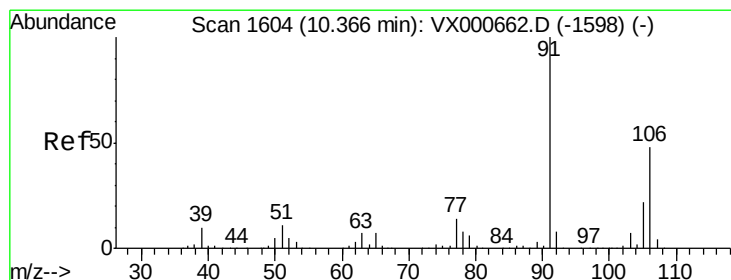
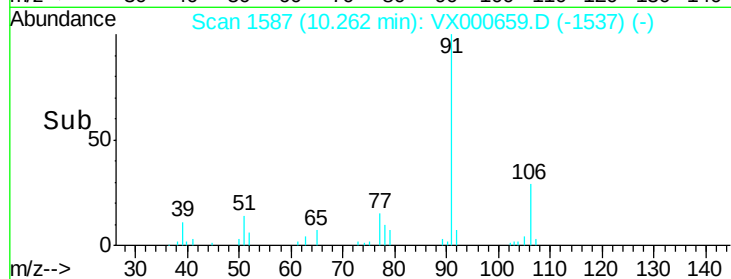
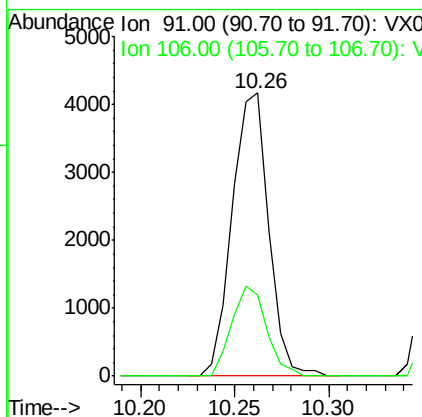
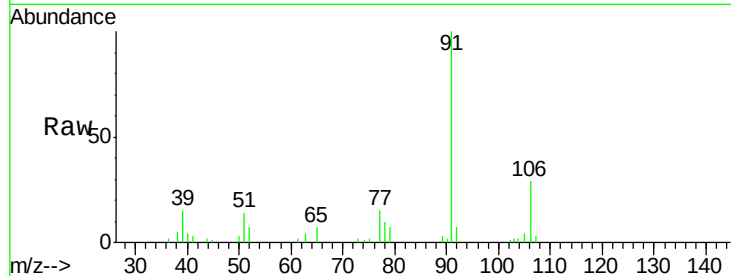




#67
Ethyl Benzene
Concen: 1.01 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

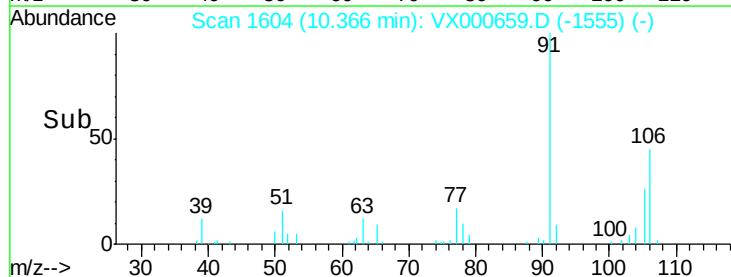
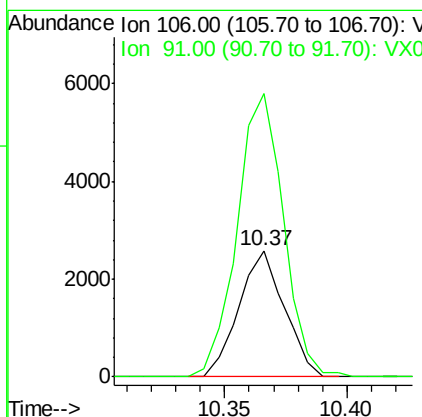
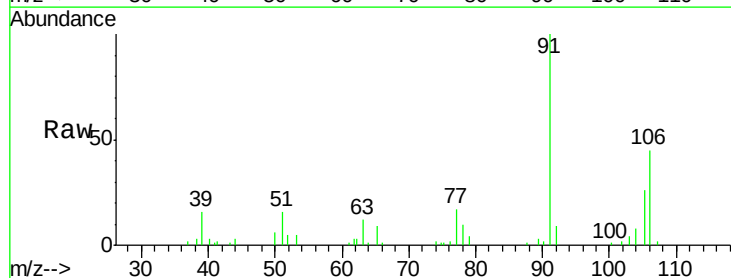
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

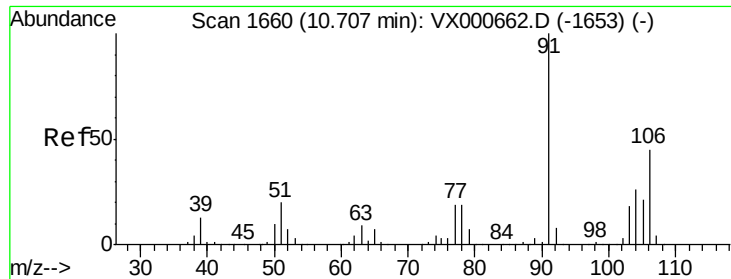
Tot Ion: 91 Resp: 5603
Ion Ratio Lower Upper
91 100
106 28.6 23.4 35.2



#68
m/p-Xylenes
Concen: 1.53 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion: 106 Resp: 3330
Ion Ratio Lower Upper
106 100
91 229.8 167.0 250.6

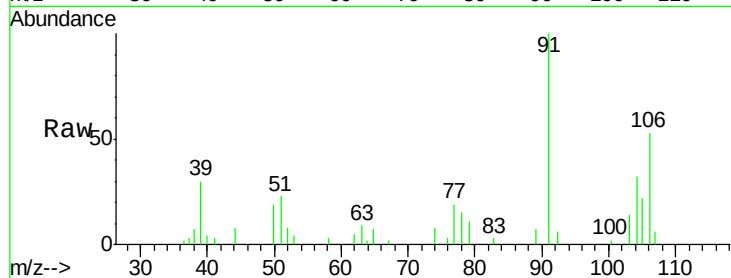




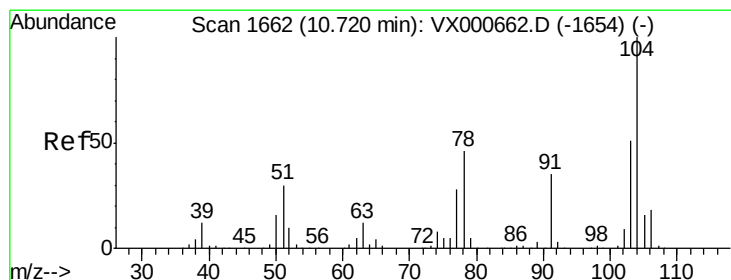
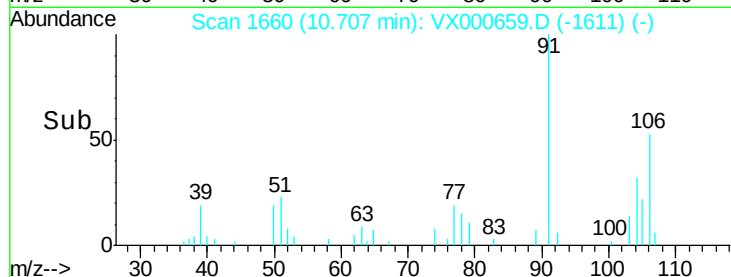
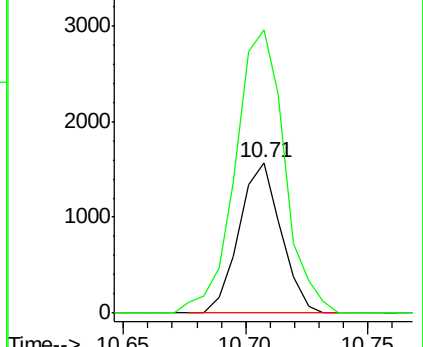
#69
o-Xylene
Concen: 0.88 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 1859
Ion Ratio Lower Upper
106 100
91 222.1 111.6 334.6

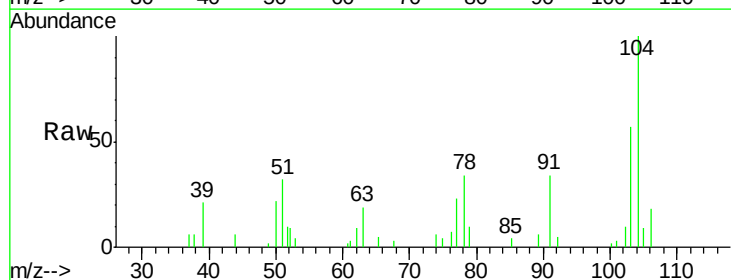


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

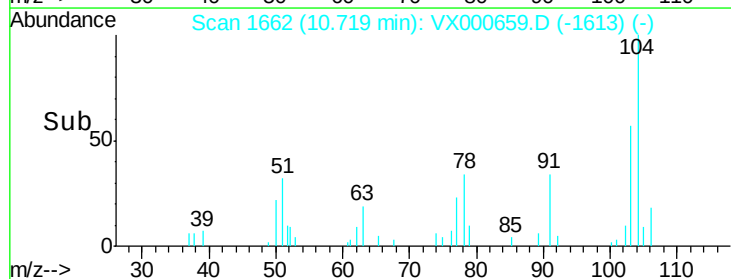
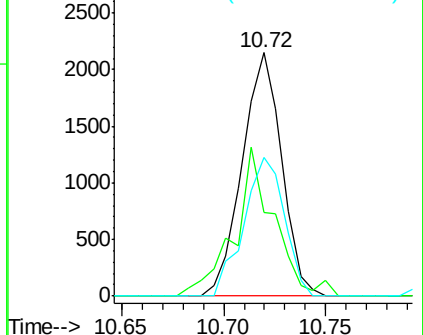


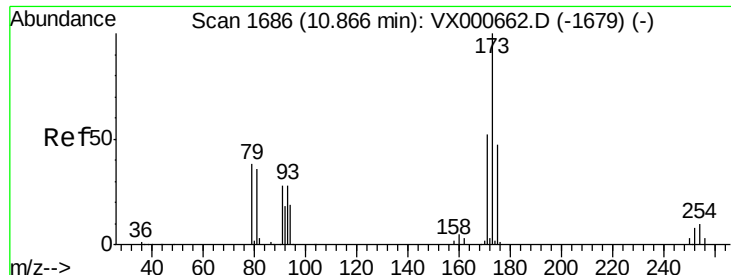
#70
Styrene
Concen: 0.83 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000659.D
Acq: 04 Apr 2018 15:53

Tgt Ion:104 Resp: 2891
Ion Ratio Lower Upper
104 100
78 61.2 41.9 62.9
103 58.8 45.3 67.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.71 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

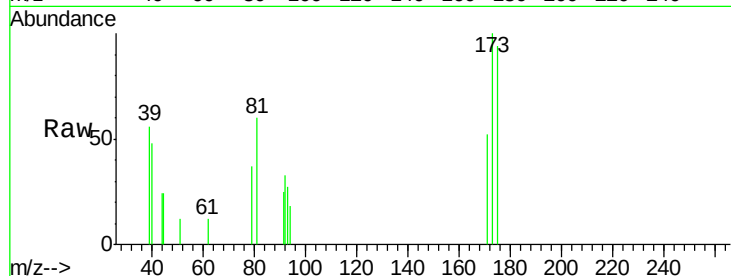
Tot Ion:173 Resp: 696

Ion Ratio Lower Upper

173 100

175 59.2 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.87

400

300

200

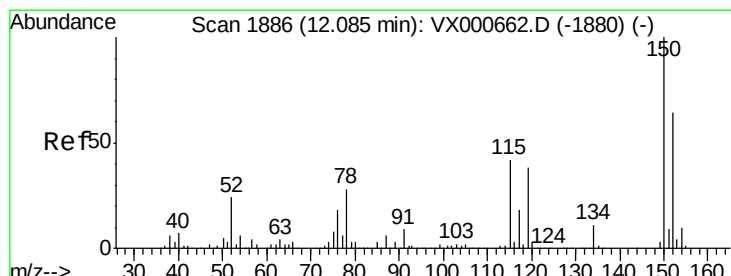
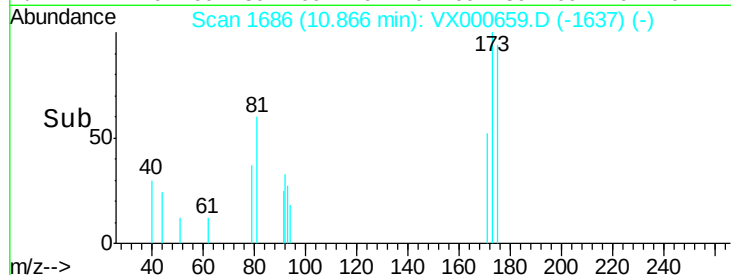
100

0

10.85

10.90

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

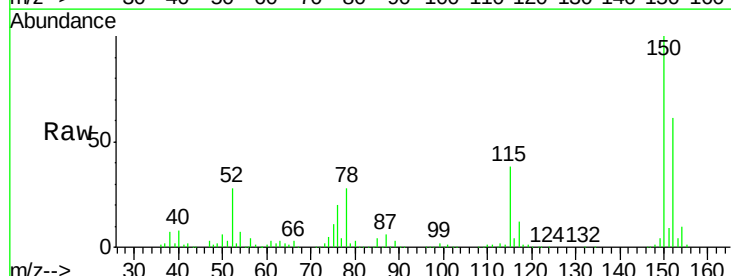
Tgt Ion:152 Resp: 76420

Ion Ratio Lower Upper

152 100

115 58.8 41.9 125.8

150 158.6 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.09

100000

50000

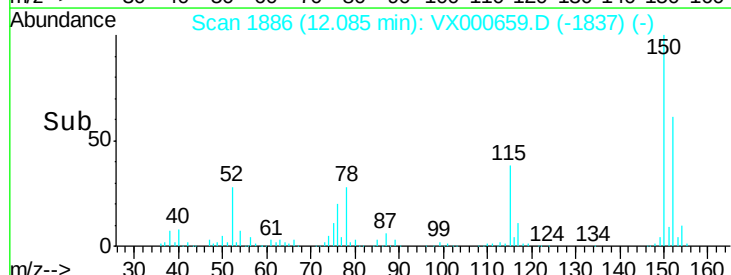
0

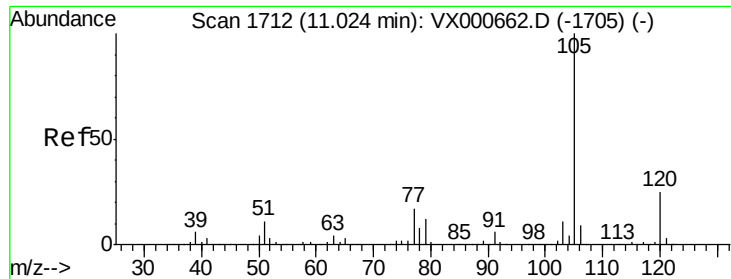
12.05

12.10

12.15

Time-->





#73

Isopropylbenzene

Concen: 0.99 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

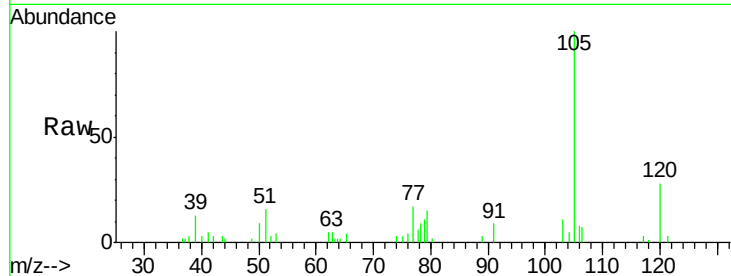
VSTDIC001

Tot Ion:105 Resp: 4872

Ion Ratio Lower Upper

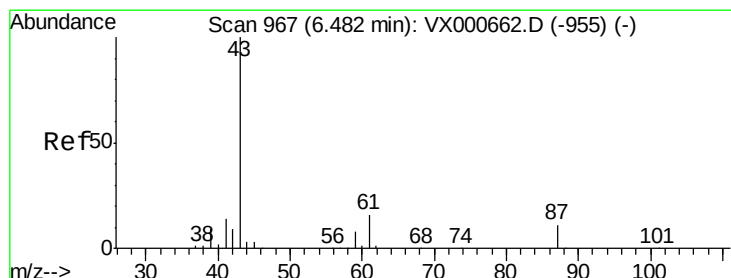
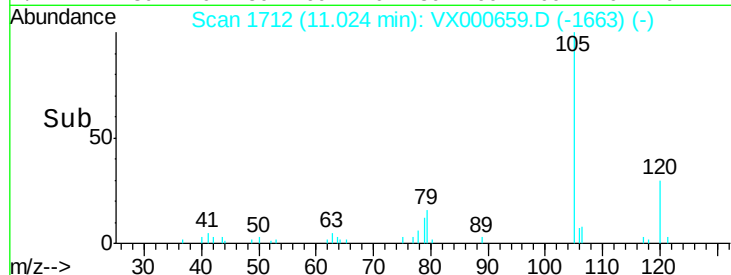
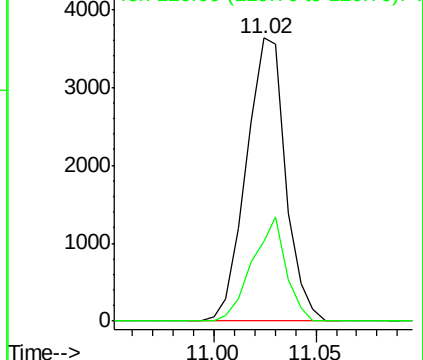
105 100

120 31.4 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.23 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Tgt Ion: 43 Resp: 3058

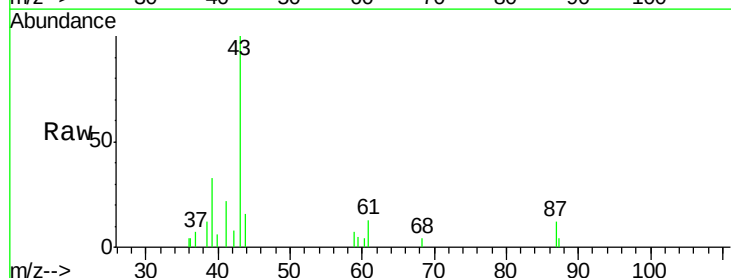
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 13.2 13.4 20.2#

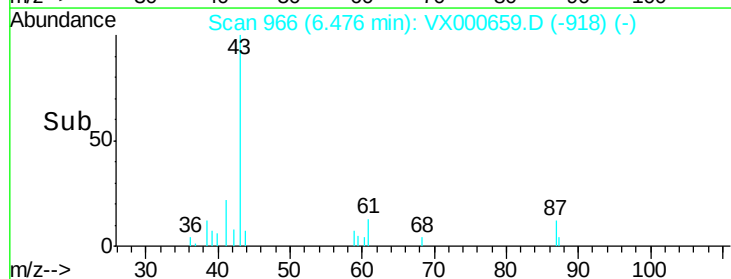
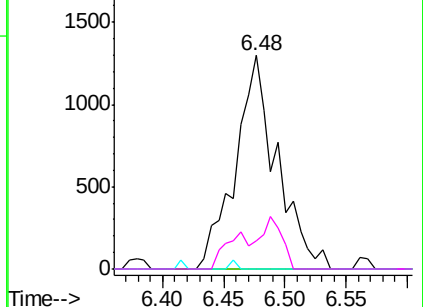


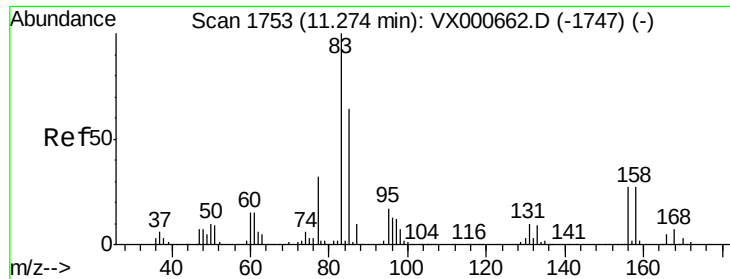
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.09 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

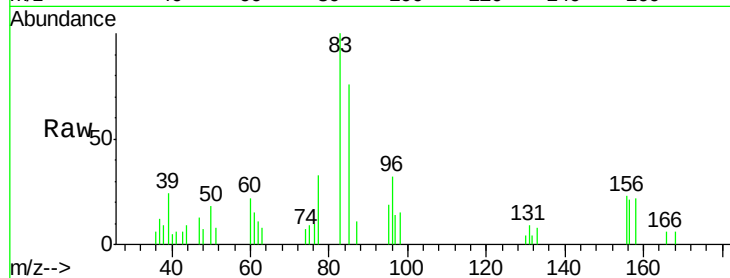
Tot Ion: 83 Resp: 1918

Ion Ratio Lower Upper

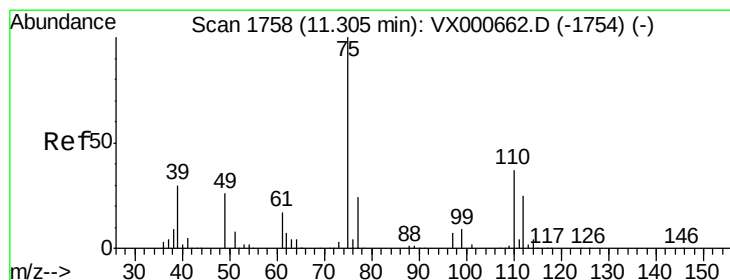
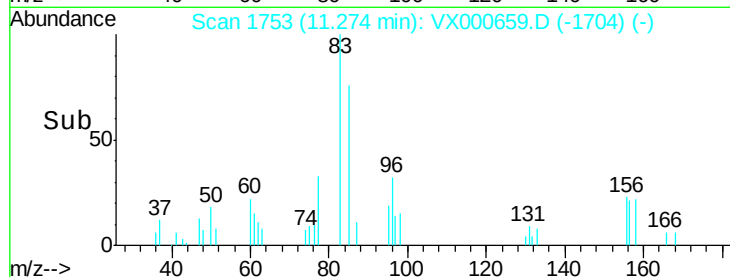
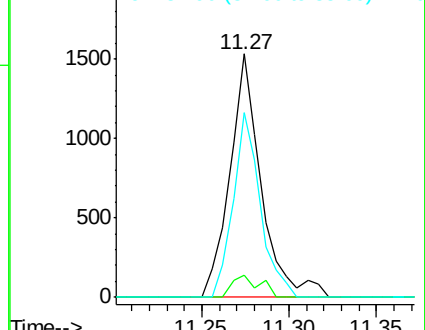
83 100

131 7.9 4.7 14.1

85 65.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.39 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX000659.D

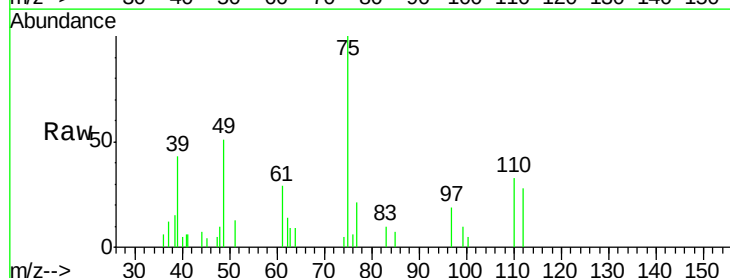
Acq: 04 Apr 2018 15:53

Tgt Ion: 75 Resp: 2243

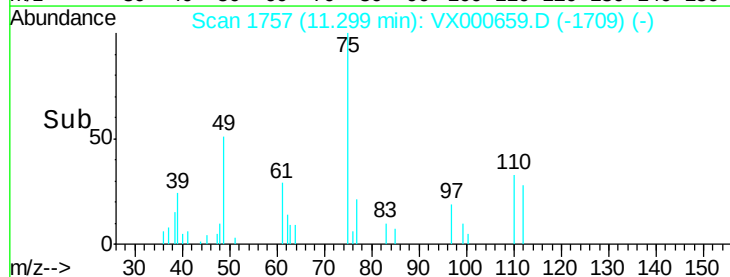
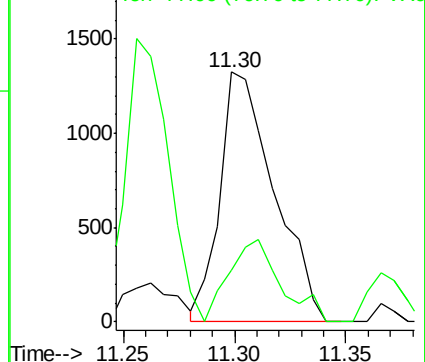
Ion Ratio Lower Upper

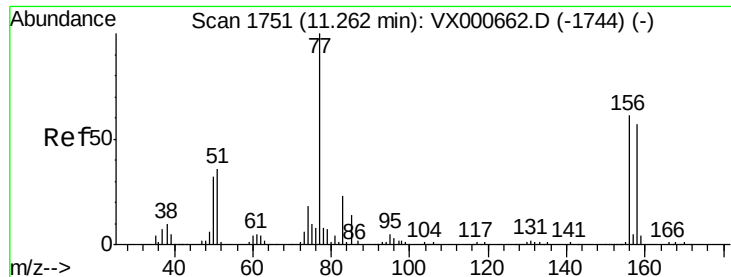
75 100

77 31.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 1.02 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

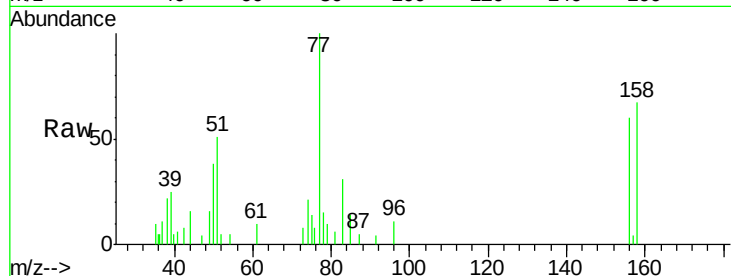
Tot Ion:156 Resp: 1332

Ion Ratio Lower Upper

156 100

77 152.0 82.3 246.9

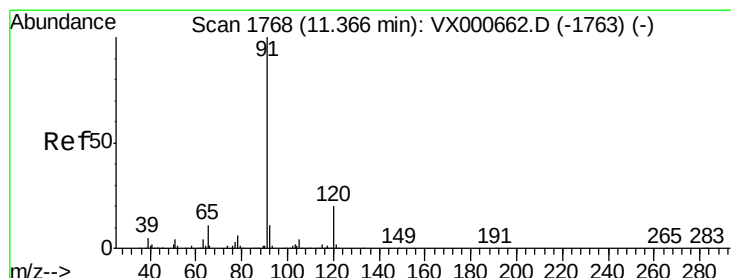
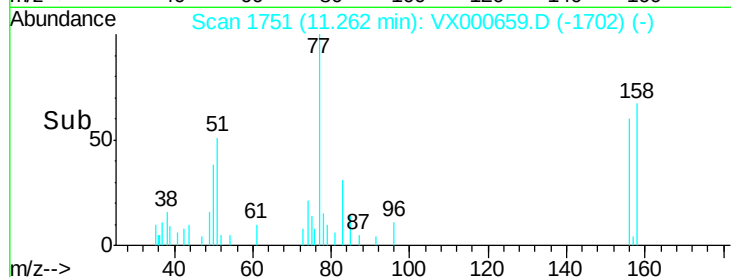
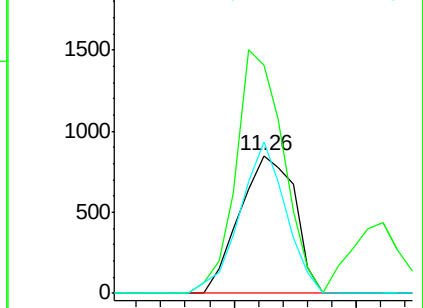
158 91.7 46.9 140.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.00 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000659.D

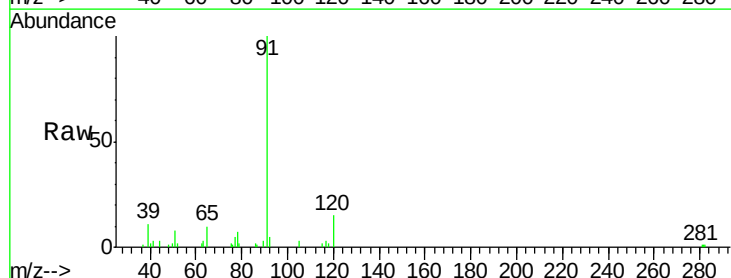
Acq: 04 Apr 2018 15:53

Tgt Ion: 91 Resp: 5949

Ion Ratio Lower Upper

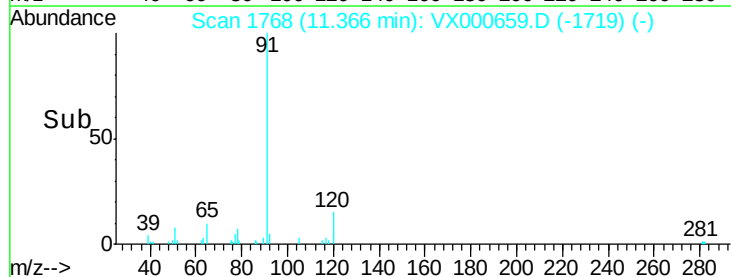
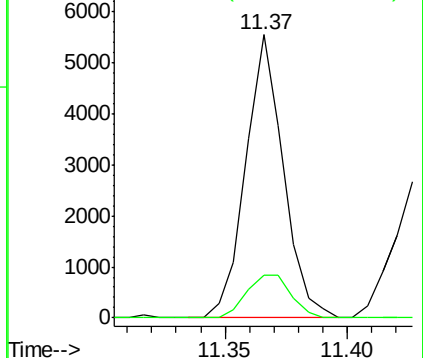
91 100

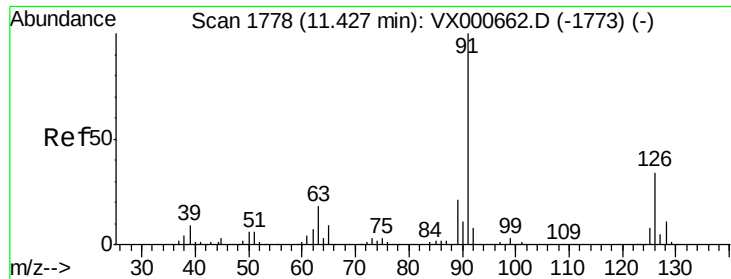
120 18.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

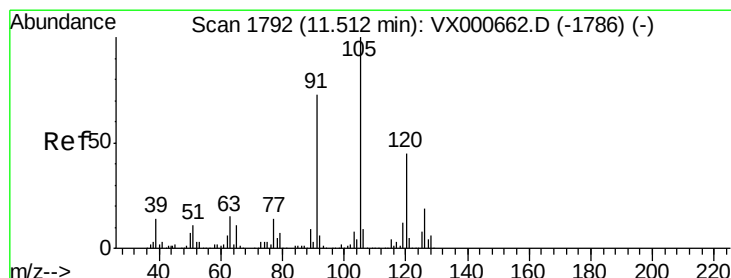
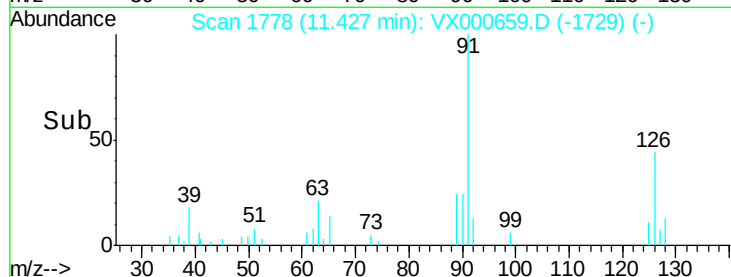
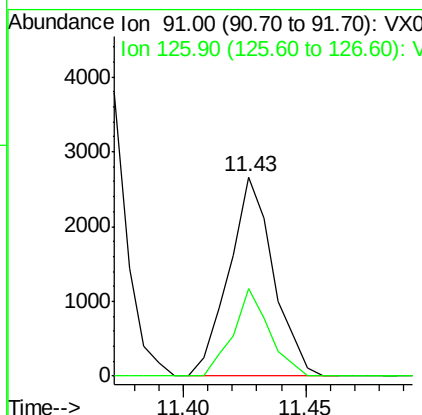
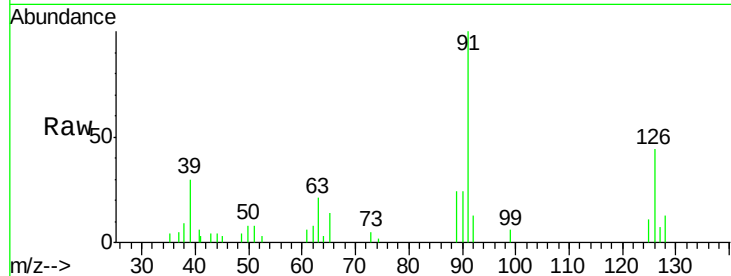




#79
 2-Chlorotoluene
 Concen: 0.98 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

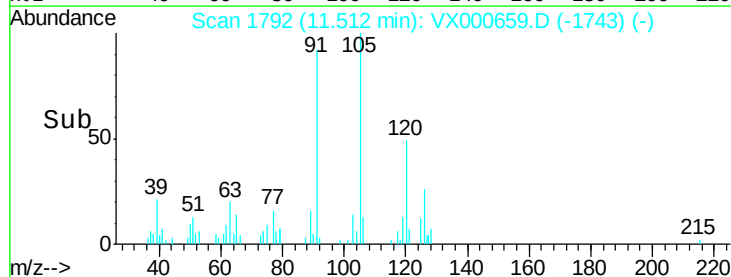
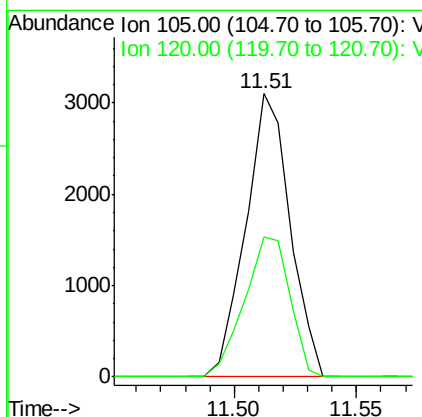
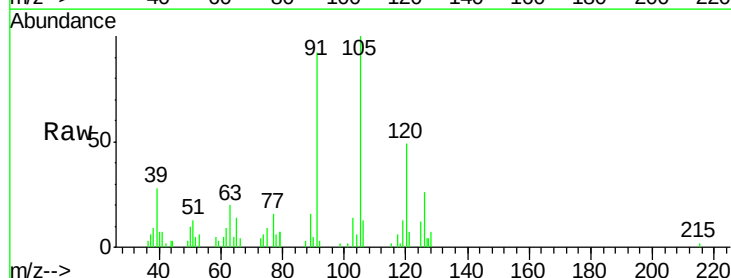
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

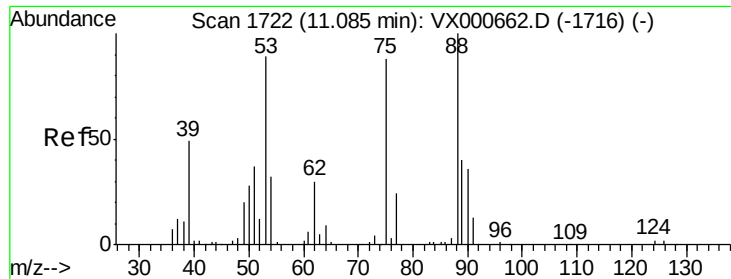
Tot Ion: 91 Resp: 3365
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 0.94 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion: 105 Resp: 3897
 Ion Ratio Lower Upper
 105 100
 120 50.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 0.75 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

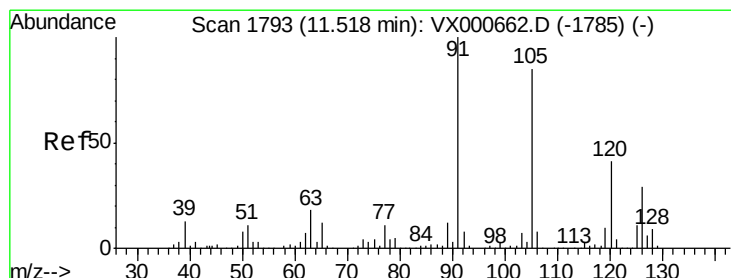
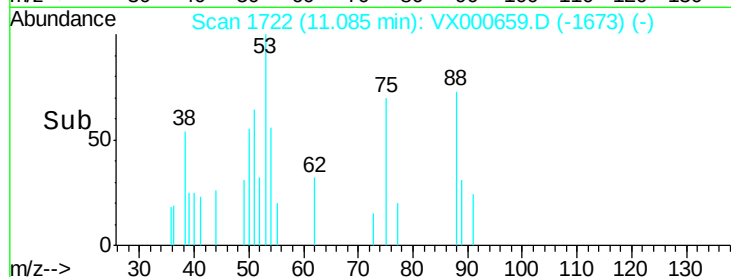
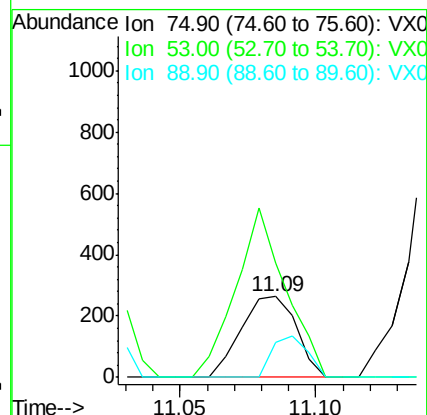
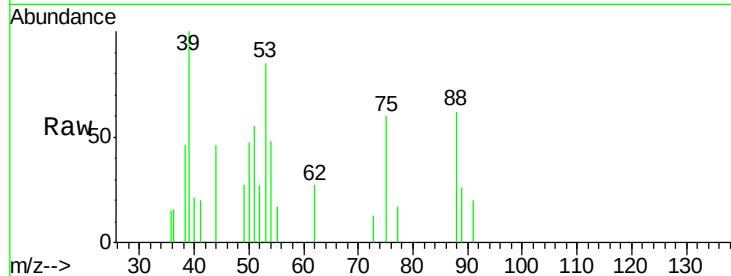
Tot Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

53 189.2 85.7 128.5#

89 32.3 36.3 54.5#



#82

4-Chlorotoluene

Concen: 1.05 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000659.D

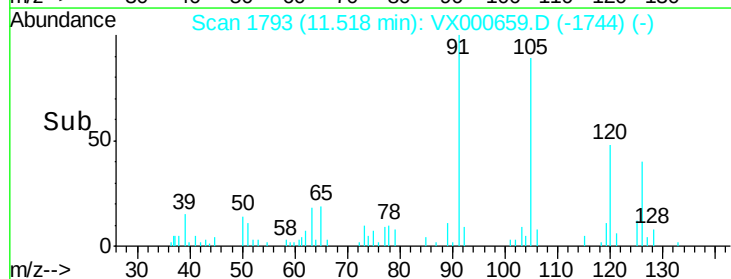
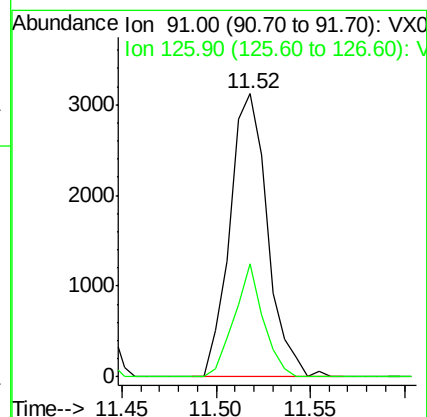
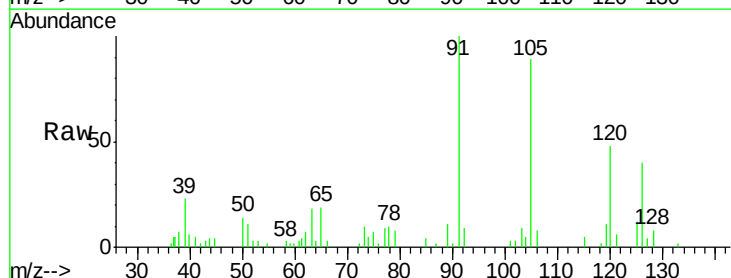
Acq: 04 Apr 2018 15:53

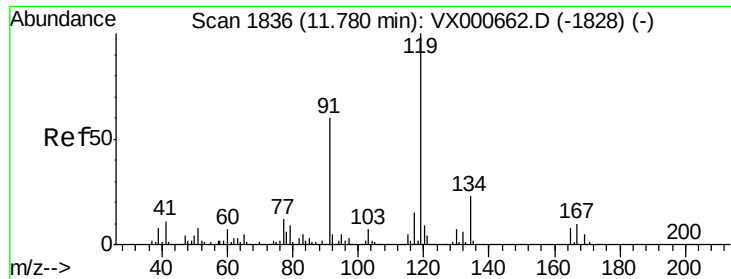
Tgt Ion: 91 Resp: 4324

Ion Ratio Lower Upper

91 100

126 30.8 14.8 44.3

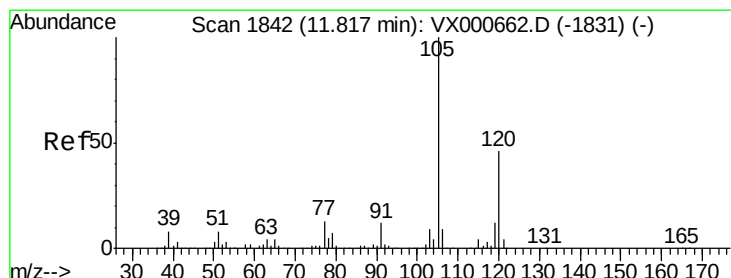
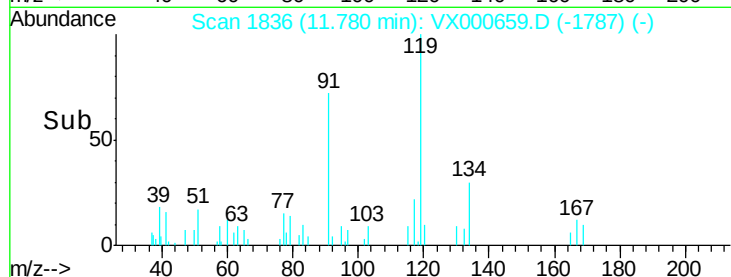
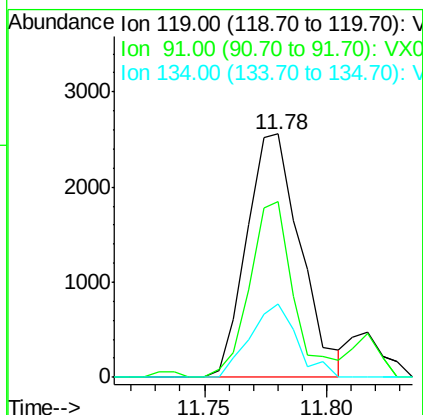
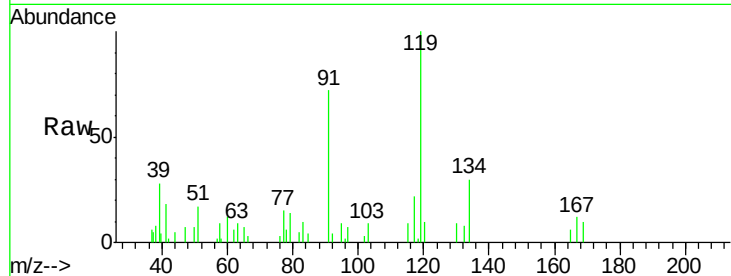




#83
 tert-Butylbenzene
 Concen: 0.94 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

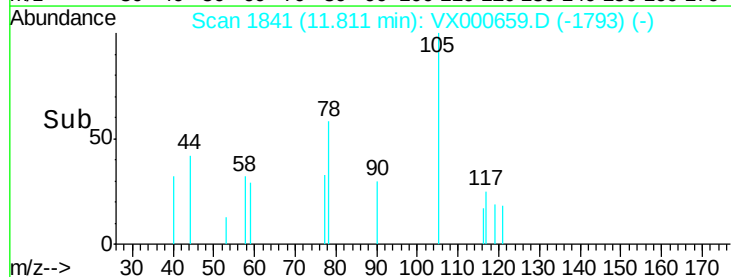
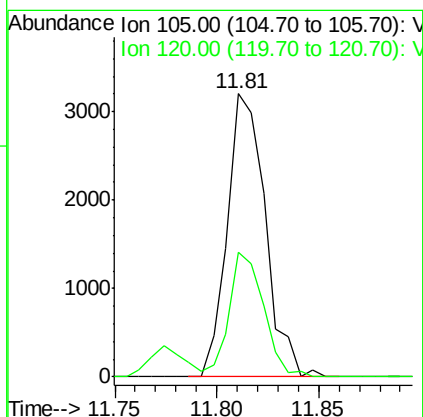
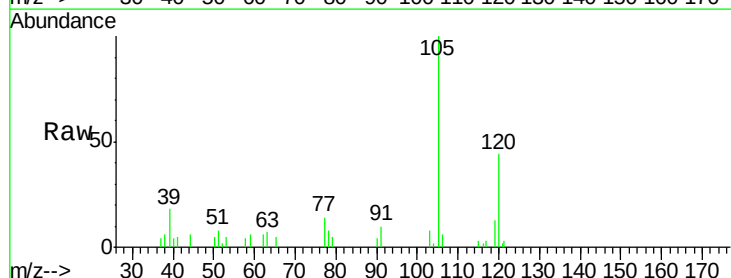
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

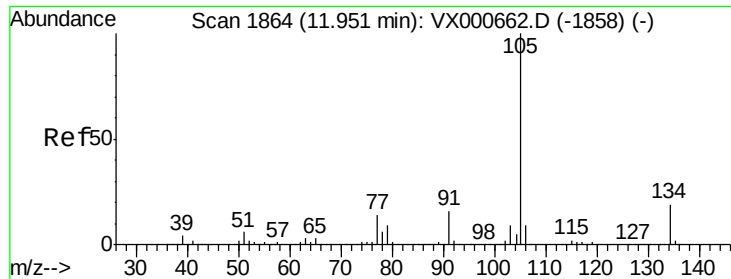
Tot Ion:119 Resp: 3926
 Ion Ratio Lower Upper
 119 100
 91 59.3 30.9 92.8
 134 26.1 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 0.95 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion:105 Resp: 4123
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.6 65.0





#85

sec-Butylbenzene

Concen: 0.91 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

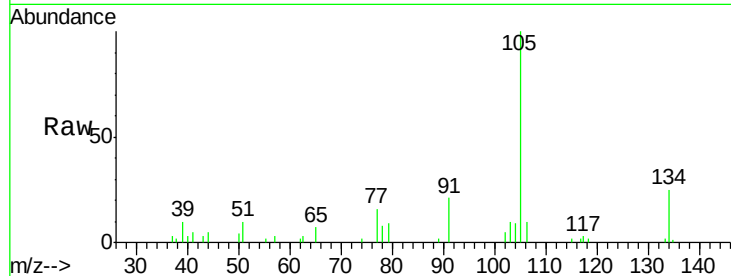
VSTDIC001

Tot Ion:105 Resp: 4741

Ion Ratio Lower Upper

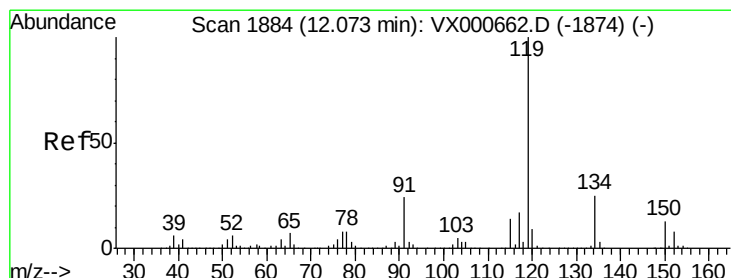
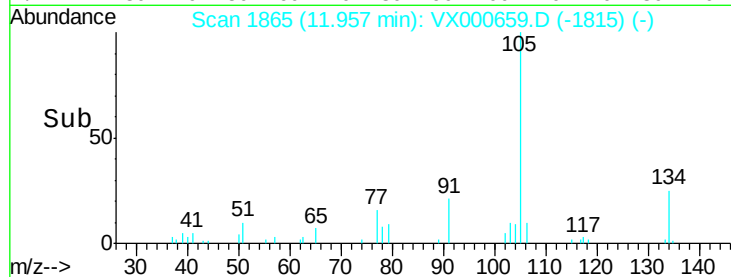
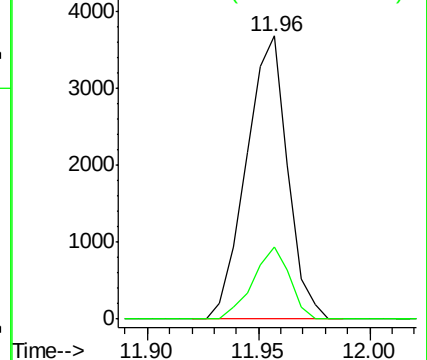
105 100

134 22.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.83 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

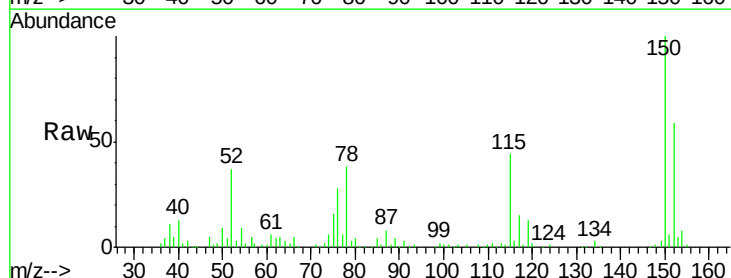
Tgt Ion:119 Resp: 3844

Ion Ratio Lower Upper

119 100

134 32.4 12.9 38.6

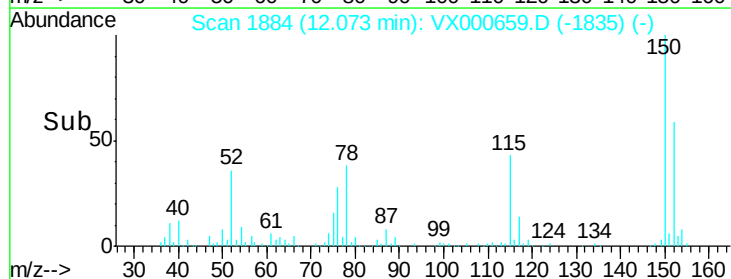
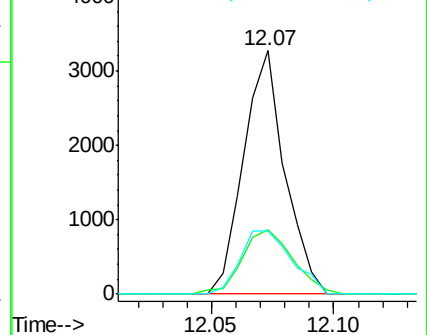
91 32.8 12.6 37.6

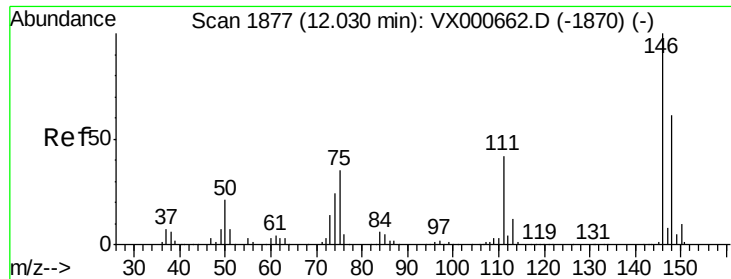


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

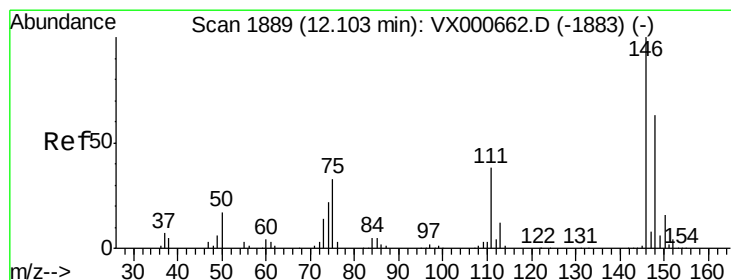
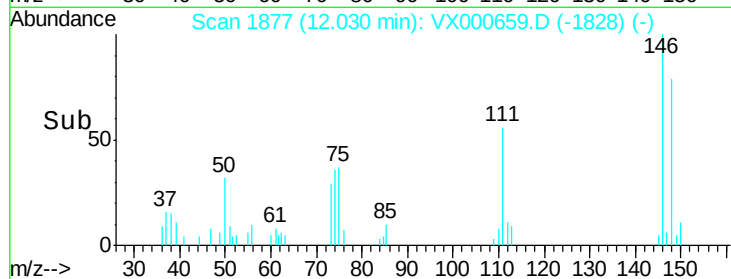
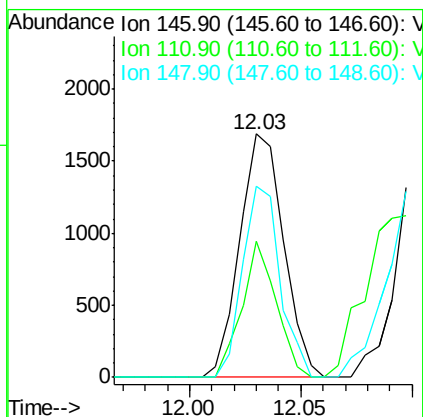
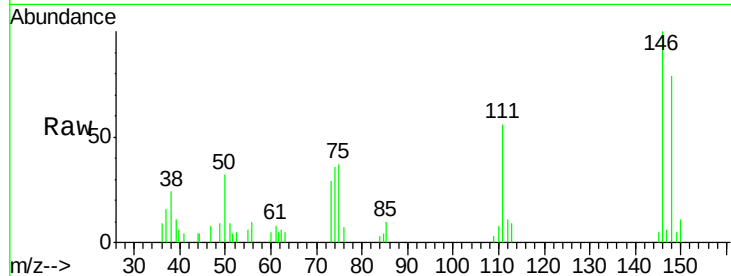




#87
 1,3-Dichlorobenzene
 Concen: 0.94 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

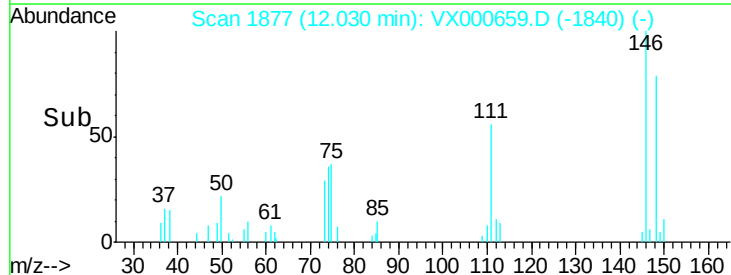
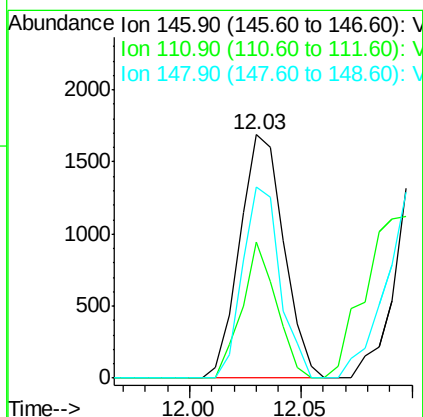
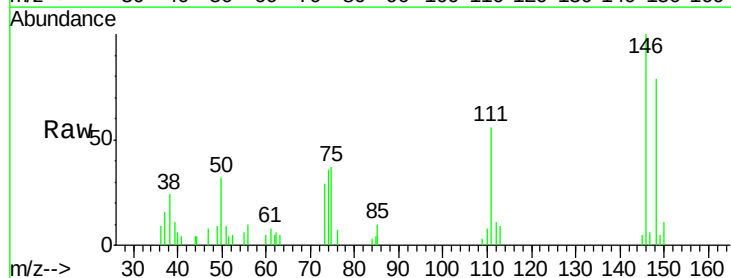
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

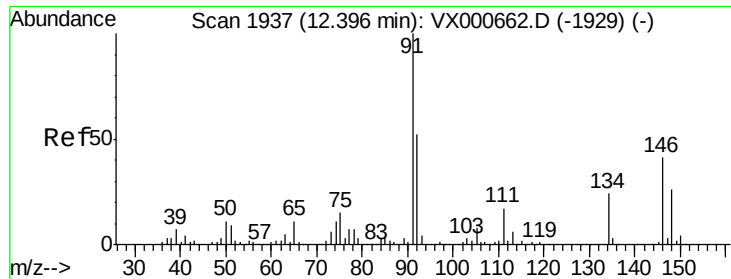
Tot Ion:146 Resp: 2333
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.2 60.6
 148 67.0 31.0 93.0



#88
 1,4-Dichlorobenzene
 Concen: 0.89 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion:146 Resp: 2333
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.1 60.3
 148 67.0 31.8 95.4





#89

n-Butylbenzene

Concen: 1.02 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

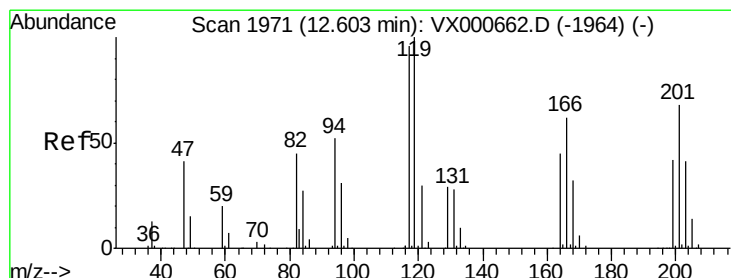
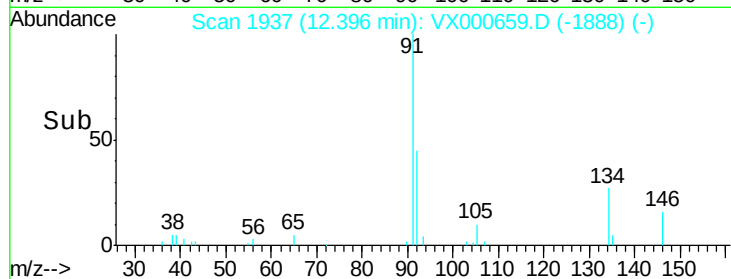
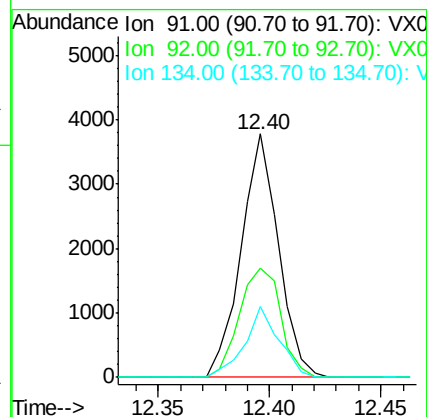
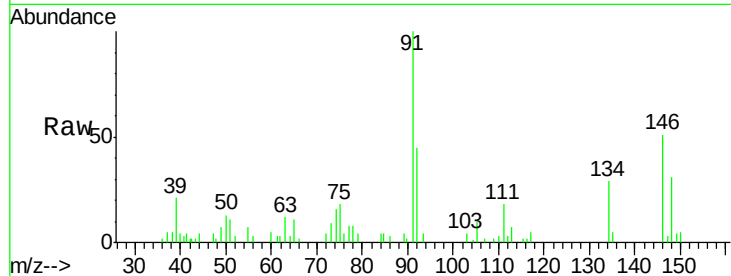
Tot Ion: 91 Resp: 4420

Ion Ratio Lower Upper

91 100

92 49.9 25.9 77.8

134 26.4 12.2 36.6



#90

Hexachloroethane

Concen: 1.12 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000659.D

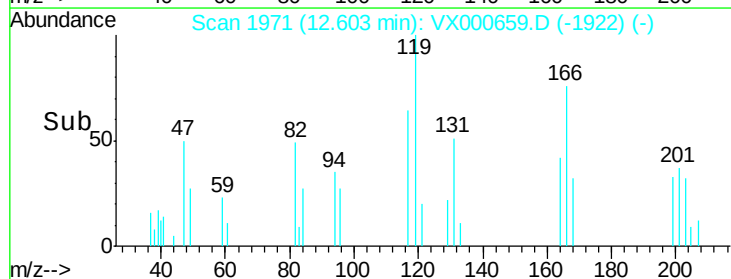
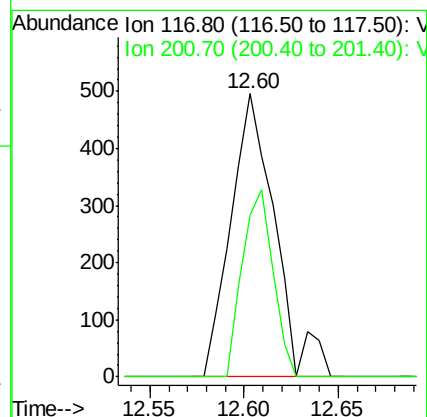
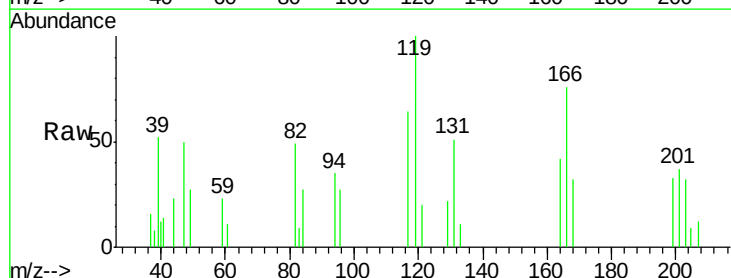
Acq: 04 Apr 2018 15:53

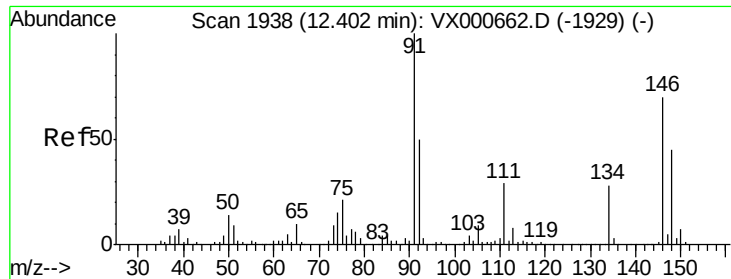
Tgt Ion: 117 Resp: 806

Ion Ratio Lower Upper

117 100

201 45.9 33.9 101.6

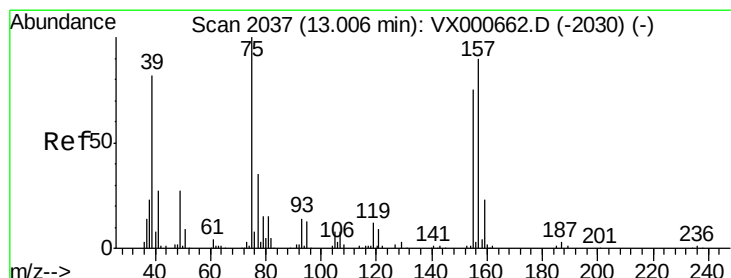
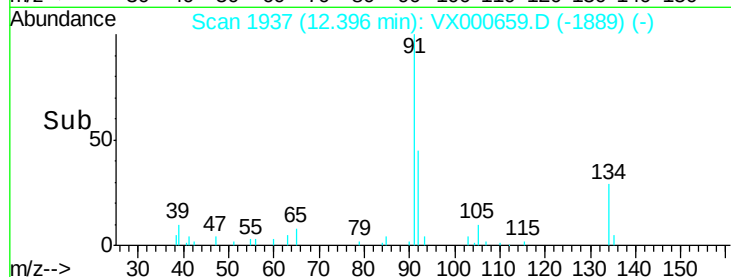
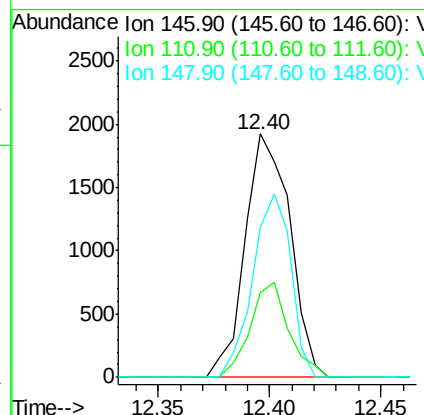
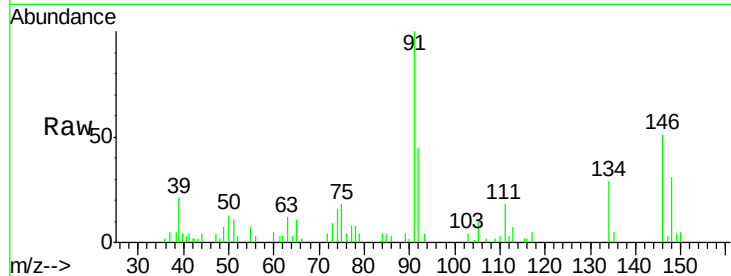




#91
 1,2-Dichlorobenzene
 Concen: 1.11 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

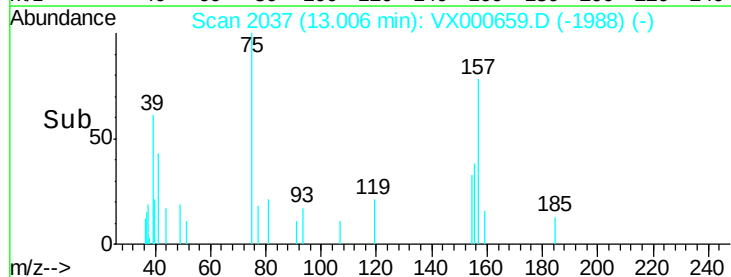
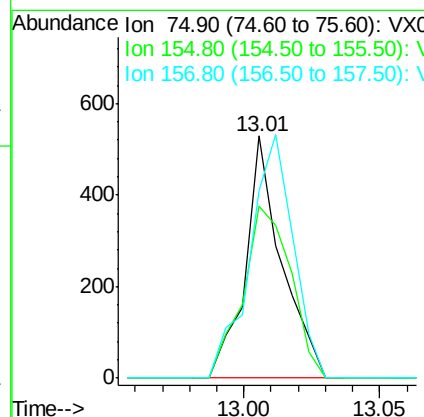
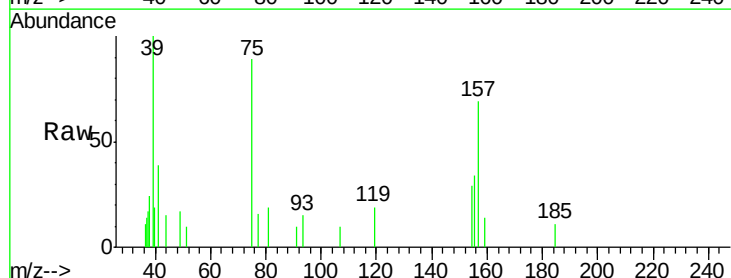
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

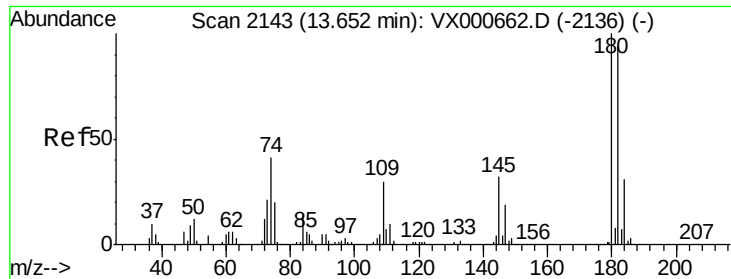
Tot Ion:146 Resp: 2702
 Ion Ratio Lower Upper
 146 100
 111 33.9 21.3 63.7
 148 64.3 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.99 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion: 75 Resp: 489
 Ion Ratio Lower Upper
 75 100
 155 93.5 38.9 116.7
 157 119.6 49.1 147.3

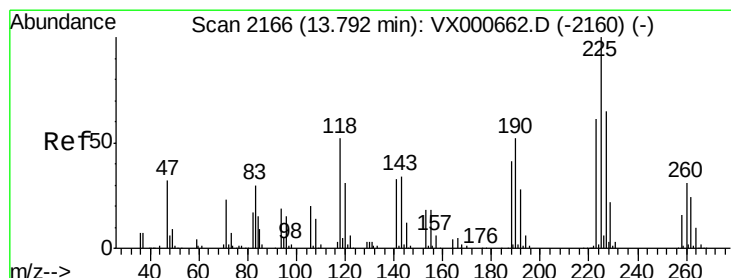
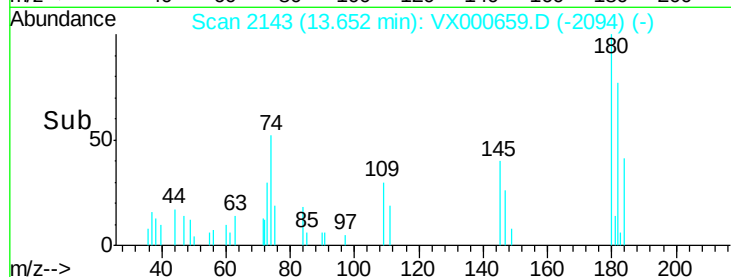
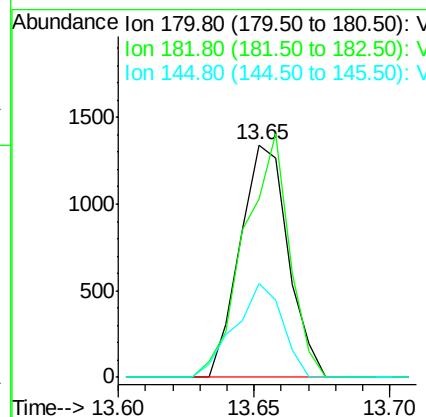
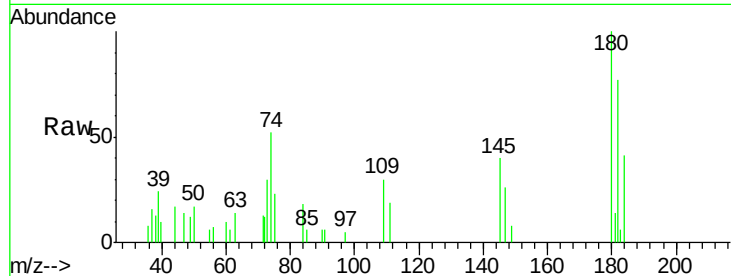




#93
 1,2,4-Trichlorobenzene
 Concen: 0.94 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

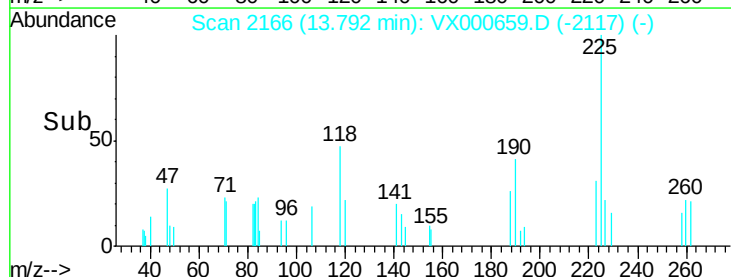
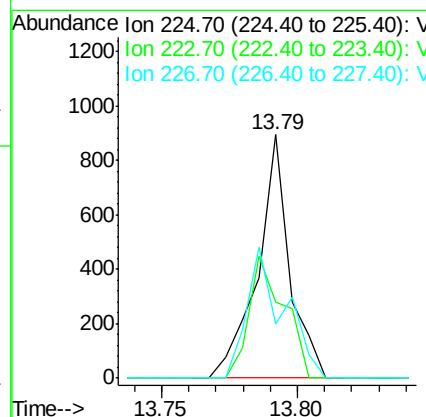
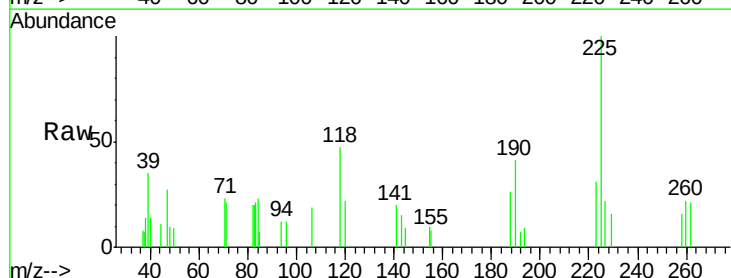
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

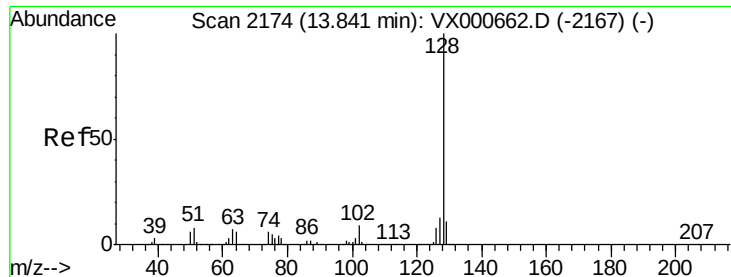
Tot Ion:180 Resp: 1643
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.4 142.2
 145 39.9 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 1.03 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000659.D
 Acq: 04 Apr 2018 15:53

Tgt Ion:225 Resp: 729
 Ion Ratio Lower Upper
 225 100
 223 54.6 31.4 94.0
 227 62.3 32.7 98.1





#95

Naphthalene

Concen: 0.88 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

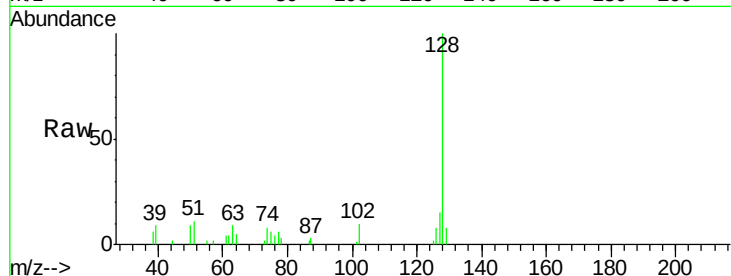
Tot Ion:128 Resp: 5353

Ion Ratio Lower Upper

128 100

127 17.6 10.6 16.0#

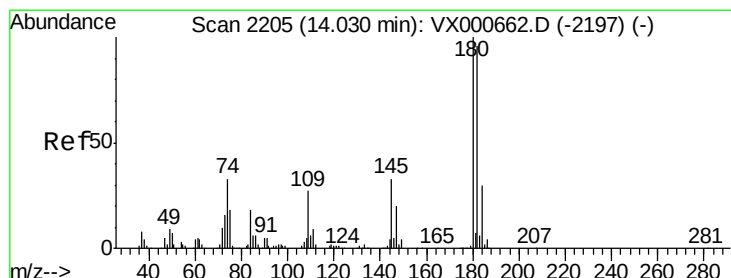
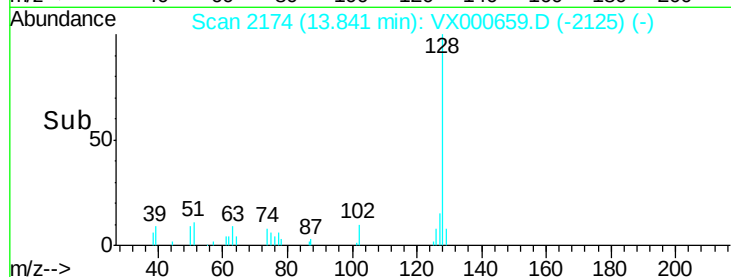
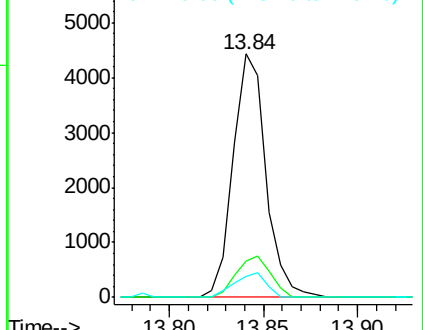
129 9.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.99 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000659.D

Acq: 04 Apr 2018 15:53

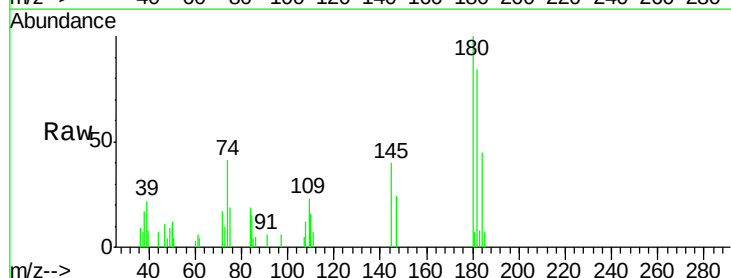
Tgt Ion:180 Resp: 1700

Ion Ratio Lower Upper

180 100

182 97.9 47.2 141.6

145 35.4 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

