

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001025.D
 Acq On : 20 Apr 2018 23:04
 Operator : JC/MD
 Sample : VX0420WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:39:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	226613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	317089	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209295	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	149202	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	5.51	113	120952	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	8.72	98	441428	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.14	95	183139	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	63434	22.57	ug/l	97
3) Chloromethane	1.32	50	54082	20.67	ug/l	98
4) Vinyl Chloride	1.41	62	57139	21.07	ug/l	97
5) Bromomethane	1.65	94	39753	23.27	ug/l	99
6) Chloroethane	1.73	64	34398	21.34	ug/l	98
7) Trichlorofluoromethane	1.93	101	87262	21.41	ug/l	100
8) Diethyl Ether	2.19	74	31447	20.89	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48805	20.44	ug/l	100
10) Methyl Iodide	2.52	142	34833	20.14	ug/l	99
11) Tert butyl alcohol	3.07	59	45652	105.38	ug/l	99
12) 1,1-Dichloroethene	2.38	96	46924	21.25	ug/l	94
13) Acrolein	2.29	56	14828	115.99	ug/l	97
14) Allyl chloride	2.73	41	81877	20.49	ug/l	98
15) Acrylonitrile	3.15	53	120451	102.73	ug/l	100
16) Acetone	2.45	43	107105	99.02	ug/l	99
17) Carbon Disulfide	2.57	76	120241	19.11	ug/l	99
18) Methyl Acetate	2.78	43	75398	23.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	157952	21.28	ug/l	100
20) Methylene Chloride	2.86	84	51394	21.67	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	50547	20.56	ug/l	99
22) Diisopropyl ether	3.88	45	163535	21.14	ug/l	99
23) Vinyl Acetate	3.83	43	654407	102.19	ug/l	99
24) 1,1-Dichloroethane	3.70	63	91178	21.02	ug/l	99
25) 2-Butanone	4.71	43	170767	101.13	ug/l	98
26) 2,2-Dichloropropane	4.59	77	66619	17.85	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	57052	20.84	ug/l	99
28) Bromochloromethane	5.03	49	32536	19.50	ug/l	96
29) Tetrahydrofuran	5.17	42	110358	103.42	ug/l	99
30) Chloroform	5.22	83	95304	21.21	ug/l	98
31) Cyclohexane	5.58	56	81002	20.00	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	84427	20.96	ug/l	99
36) 1,1-Dichloropropene	5.81	75	72353	19.42	ug/l	100
37) Ethyl Acetate	4.87	43	66135	19.35	ug/l	99
38) Carbon Tetrachloride	5.79	117	73040	19.36	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	83281	19.20	ug/l	100
40) Benzene	6.15	78	208405	20.12	ug/l	99
41) Methacrylonitrile	5.07	41	41261	19.33	ug/l	98
42) 1,2-Dichloroethane	6.21	62	79725	20.05	ug/l	100
43) Isopropyl Acetate	6.47	43	114114	19.46	ug/l	99
44) Trichloroethene	7.22	130	62938	19.89	ug/l	99
45) 1,2-Dichloropropane	7.52	63	53104	20.39	ug/l	100
46) Dibromomethane	7.67	93	35740	19.64	ug/l	98
47) Bromodichloromethane	7.90	83	67169	19.92	ug/l	99
48) Methyl methacrylate	7.79	41	62026	19.64	ug/l	99
49) 1,4-Dioxane	7.76	88	18398	396.23	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	361800	101.61	ug/l	98
52) Toluene	8.79	92	135834	20.09	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	79062	19.61	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	74346	19.55	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	53837	20.03	ug/l	99
56) Ethyl methacrylate	9.19	69	79147	20.05	ug/l	99
57) 1,3-Dichloropropane	9.38	76	88853	19.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	195709	101.59	ug/l	100
59) 2-Hexanone	9.51	43	265154	97.29	ug/l	98
60) Dibromochloromethane	9.59	129	55883	19.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	57558	20.29	ug/l	100
64) Tetrachloroethene	9.34	164	66758	20.63	ug/l	99
65) Chlorobenzene	10.15	112	159754	19.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56231	20.19	ug/l	99
67) Ethyl Benzene	10.26	91	264728	19.65	ug/l	99
68) m/p-Xylenes	10.37	106	211105	39.75	ug/l	100
69) o-Xylene	10.71	106	101689	19.86	ug/l	100
70) Styrene	10.72	104	167143	19.82	ug/l	99
71) Bromoform	10.87	173	43349	18.53	ug/l #	99
73) Isopropylbenzene	11.02	105	271420	19.84	ug/l	98
74) N-amyl acetate	6.47	43	114114	19.50	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	77706	20.06	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	84395	23.24	ug/l	89
77) Bromobenzene	11.26	156	78873	19.86	ug/l	98
78) n-propylbenzene	11.37	91	310461	19.76	ug/l	100
79) 2-Chlorotoluene	11.43	91	184040	19.83	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	231705	19.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	17175	16.82	ug/l	92
82) 4-Chlorotoluene	11.52	91	222408	19.83	ug/l	99
83) tert-Butylbenzene	11.77	119	229929	19.65	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	240132	20.12	ug/l	98
85) sec-Butylbenzene	11.95	105	276754	19.82	ug/l	100
86) p-Isopropyltoluene	12.07	119	254919	19.73	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	145686	19.59	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	149850	19.63	ug/l	99
89) n-Butylbenzene	12.40	91	221067	19.23	ug/l	99
90) Hexachloroethane	12.60	117	34868	19.05	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	142199	19.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16153	19.91	ug/l	94

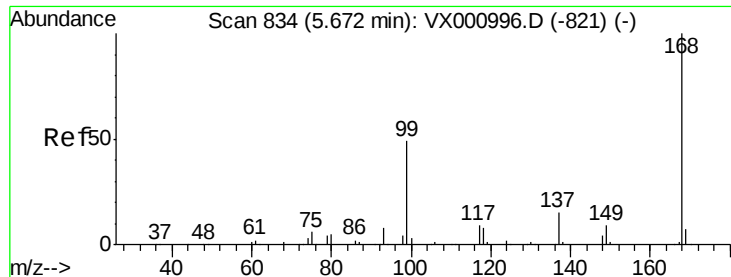
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115440	19.10	ug/l	99
94) Hexachlorobutadiene	13.79	225	50789	18.58	ug/l	99
95) Naphthalene	13.84	128	296362	19.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112210	19.20	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

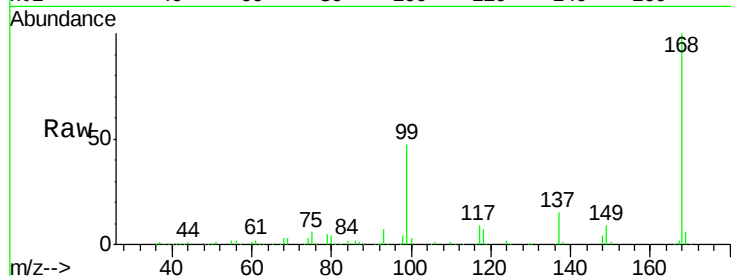
ClientSampleId :

Tot Ion:168 Resp: 226613

Ion Ratio Lower Upper

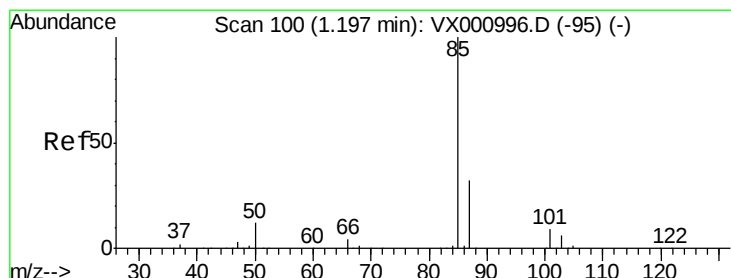
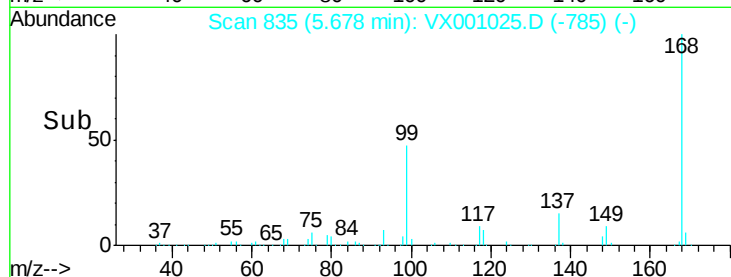
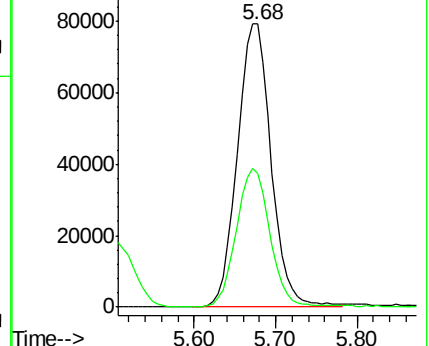
168 100

99 46.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.57 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001025.D

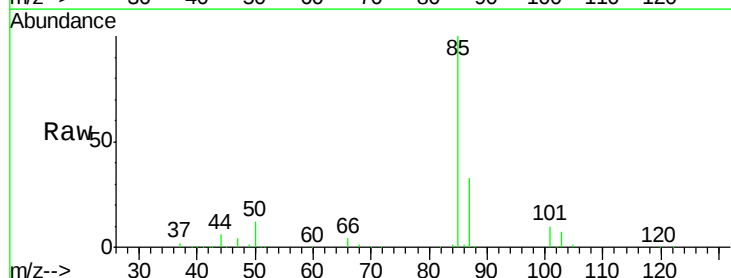
Acq: 20 Apr 2018 23:04

Tgt Ion: 85 Resp: 63434

Ion Ratio Lower Upper

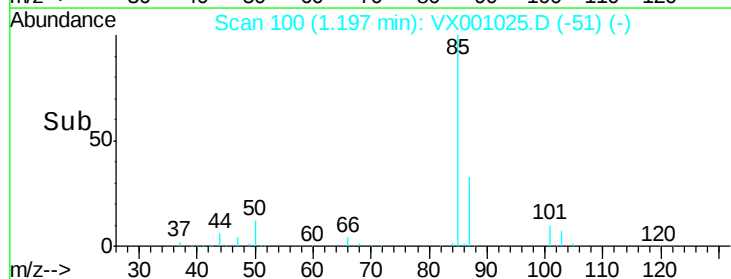
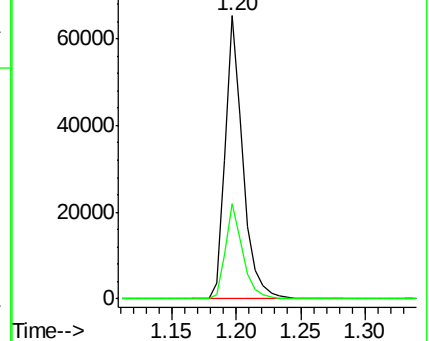
85 100

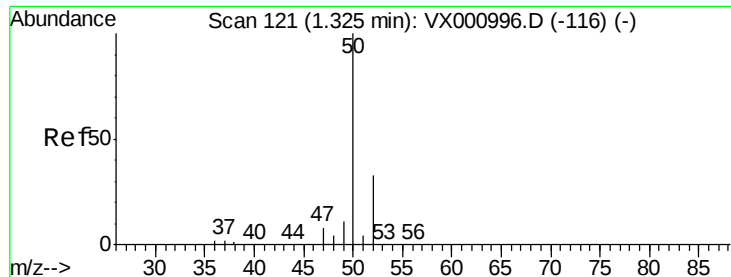
87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

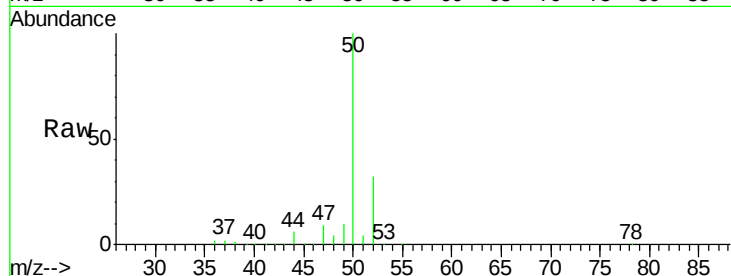
ClientSampleId :

Tot Ion: 50 Resp: 54082

Ion Ratio Lower Upper

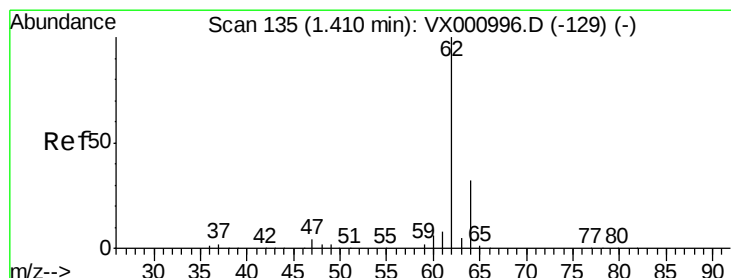
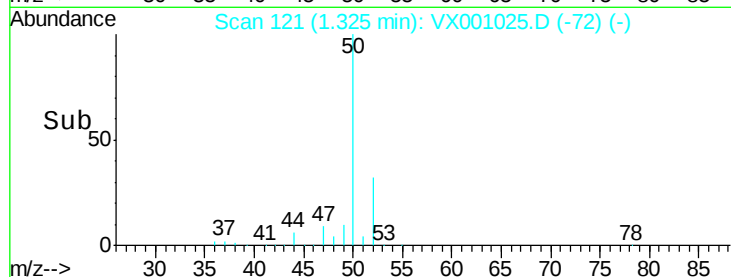
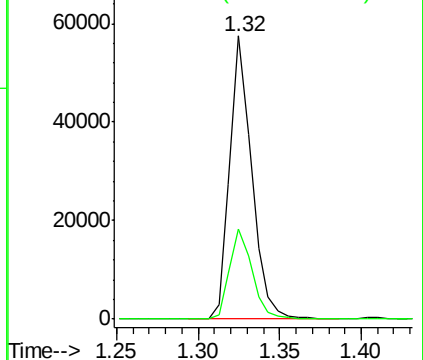
50 100

52 31.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.07 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001025.D

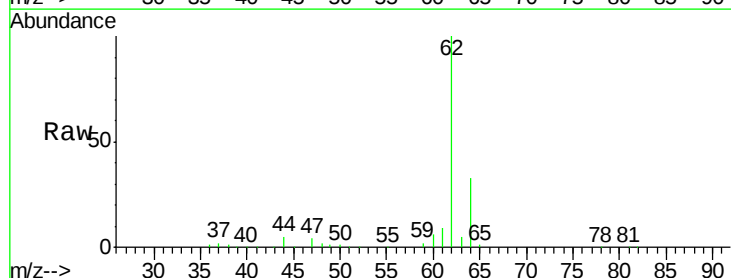
Acq: 20 Apr 2018 23:04

Tgt Ion: 62 Resp: 57139

Ion Ratio Lower Upper

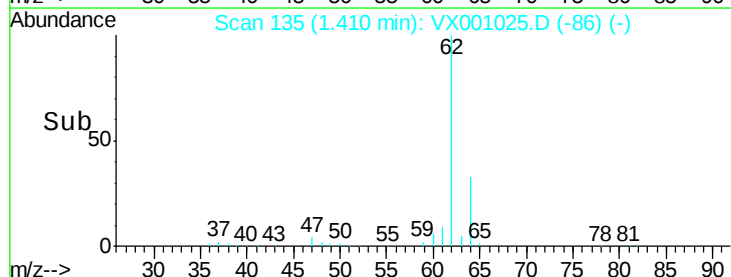
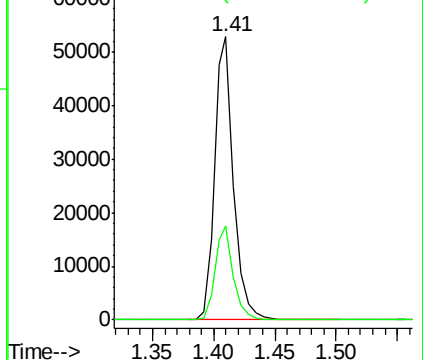
62 100

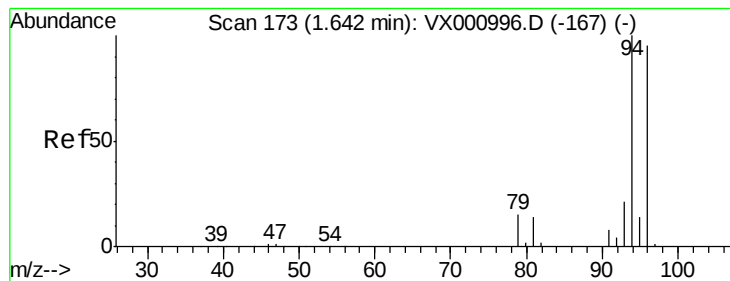
64 33.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.27 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

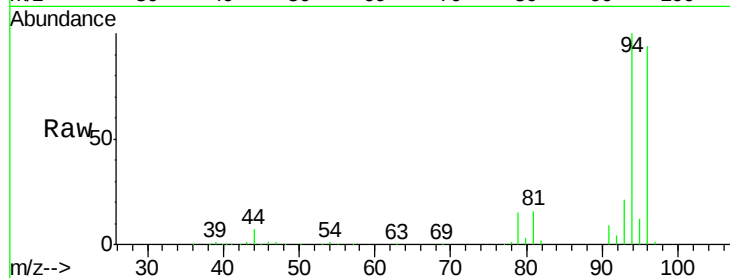
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 39753

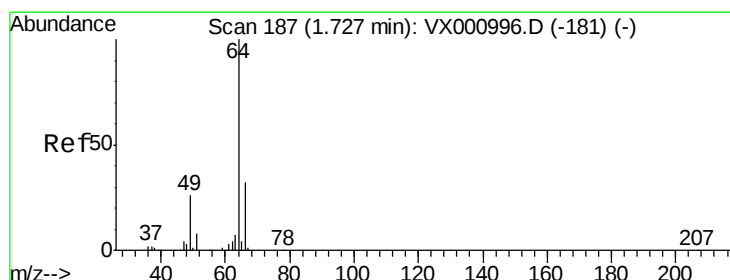
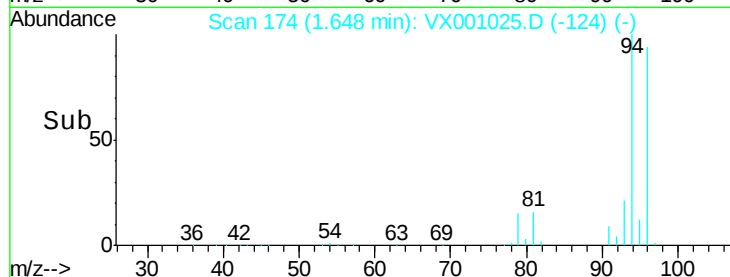
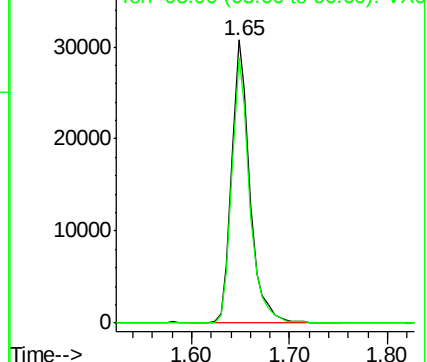
Ion Ratio Lower Upper

94 100

96 93.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.34 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001025.D

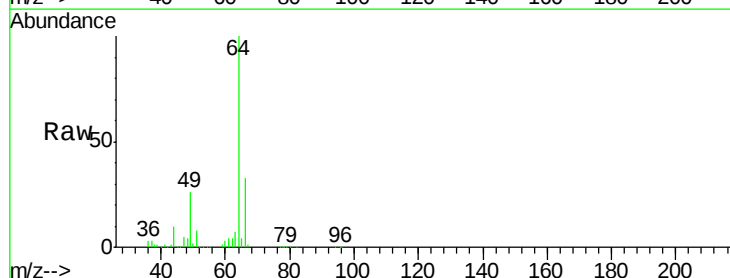
Acq: 20 Apr 2018 23:04

Tgt Ion: 64 Resp: 34398

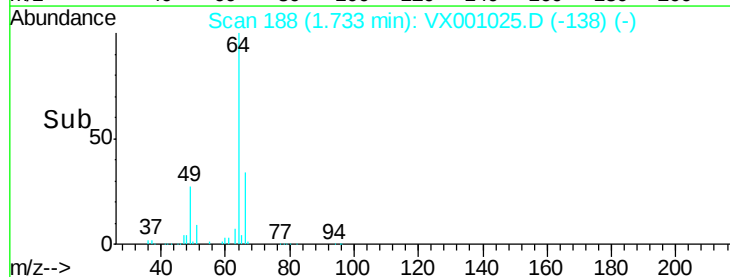
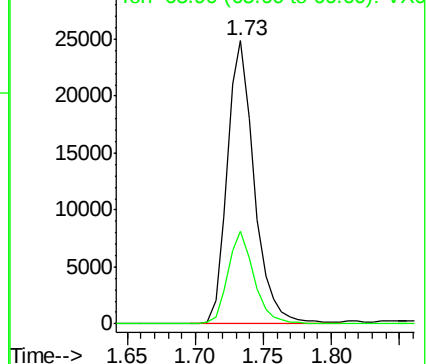
Ion Ratio Lower Upper

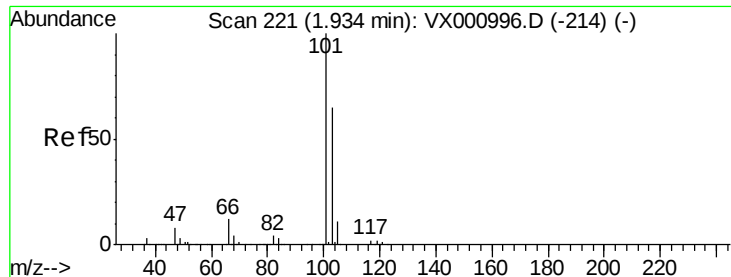
64 100

66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



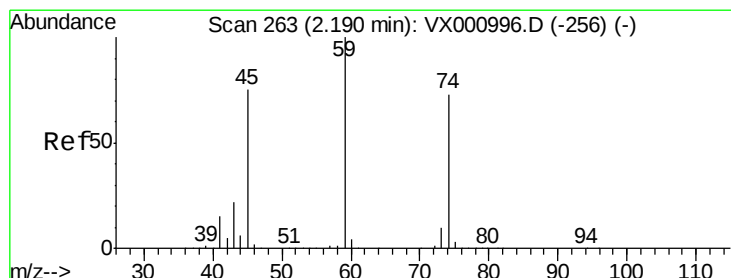
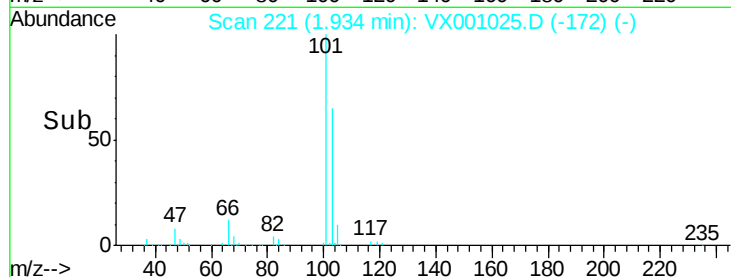
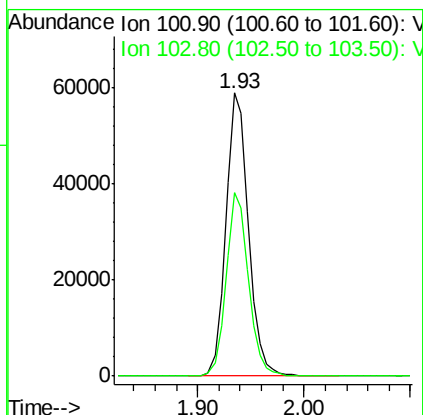
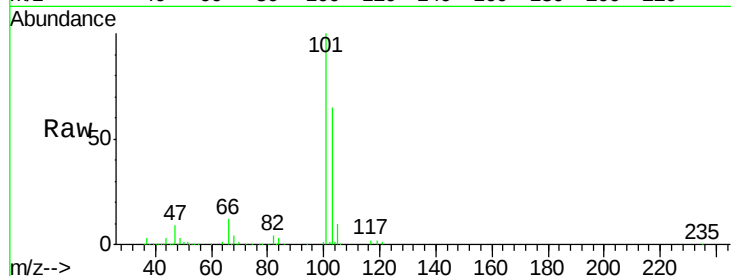


#7

Trichlorofluoromethane
Concen: 21.41 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

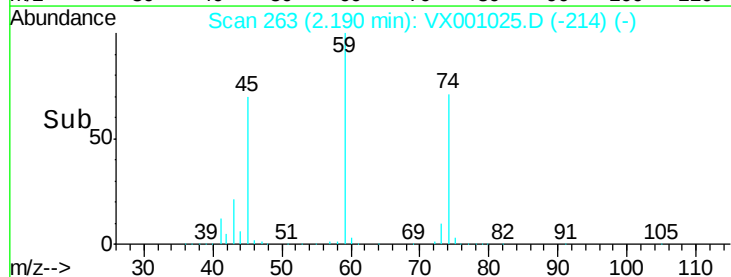
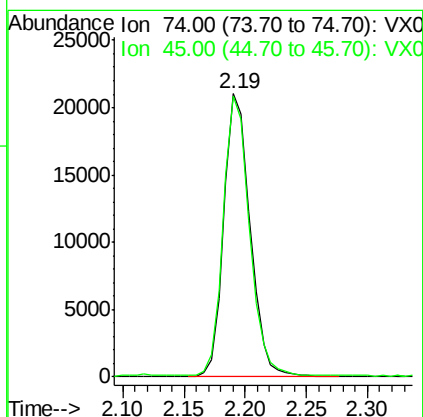
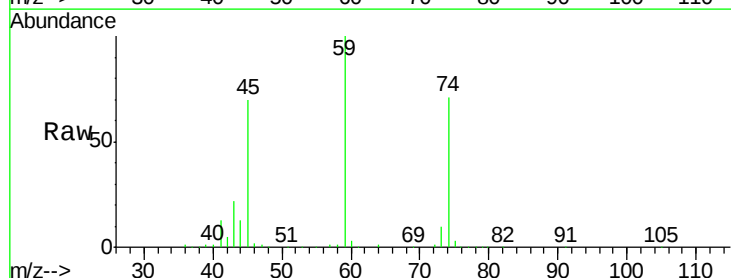
Tot Ion:101 Resp: 87262
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

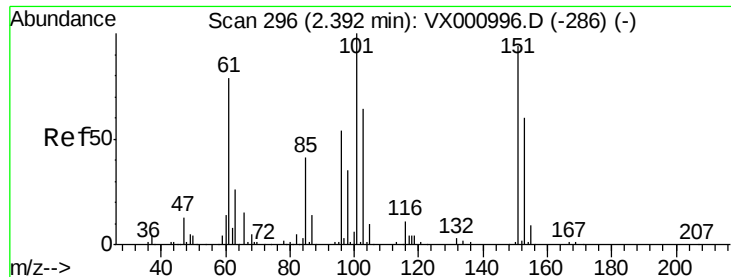


#8

Diethyl Ether
Concen: 20.89 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 74 Resp: 31447
Ion Ratio Lower Upper
74 100
45 98.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.44 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

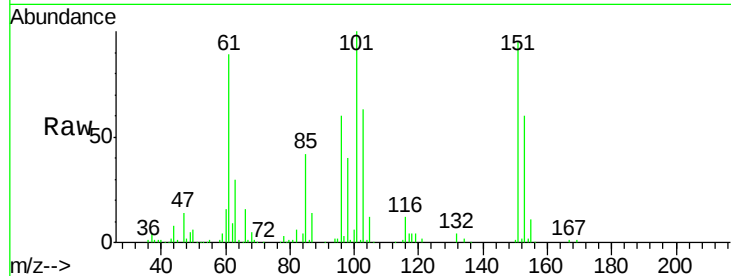
Tot Ion:101 Resp: 48805

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

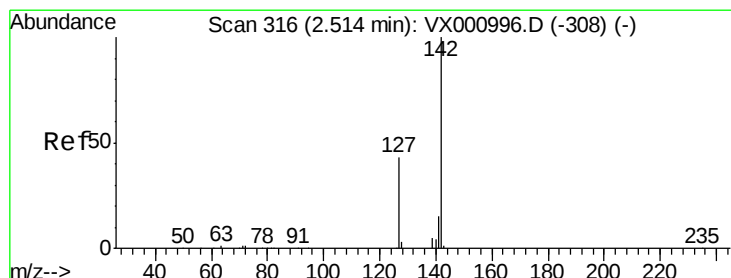
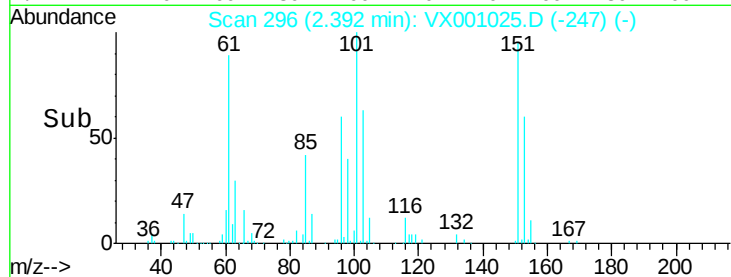
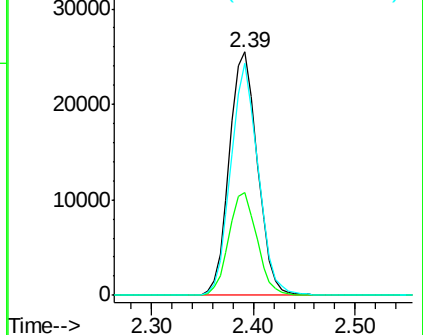
151 92.3 73.5 110.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.14 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

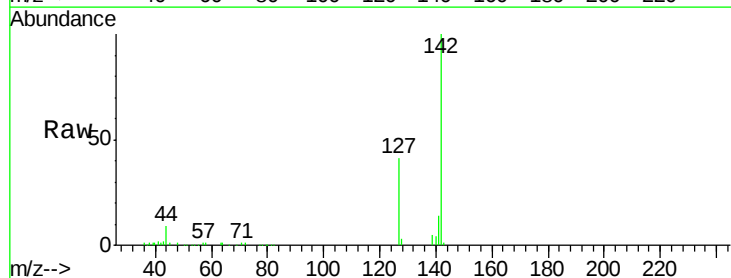
Tgt Ion:142 Resp: 34833

Ion Ratio Lower Upper

142 100

127 43.0 34.0 51.0

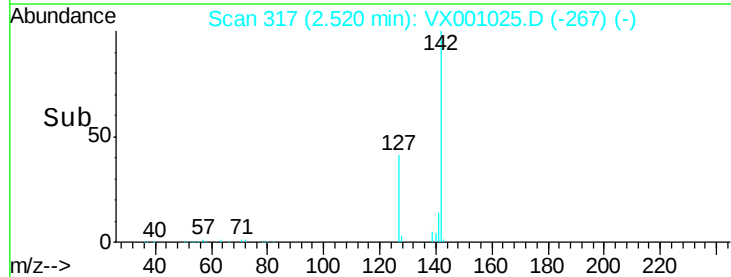
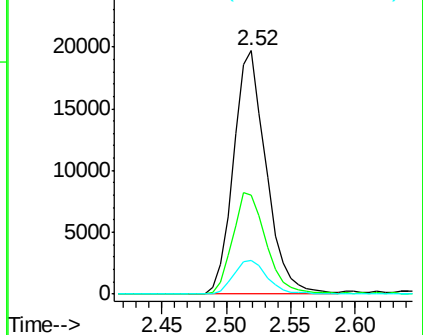
141 14.2 11.4 17.2

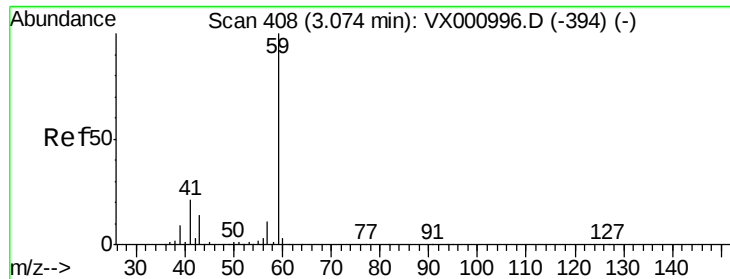


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

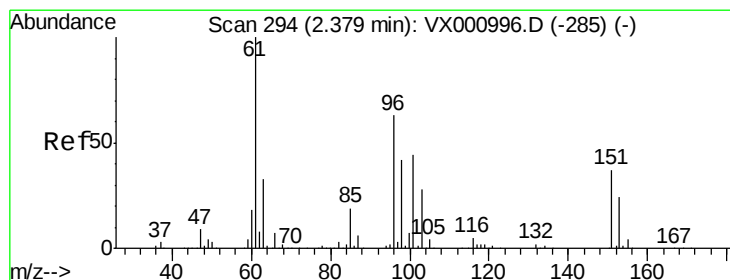
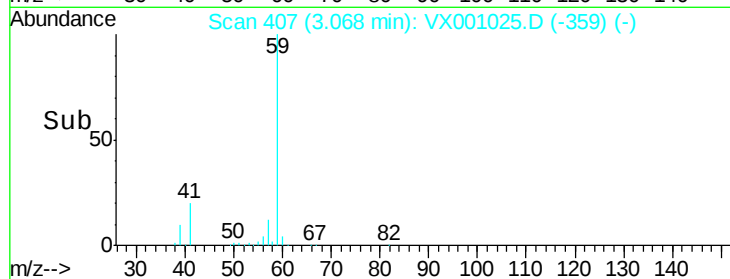
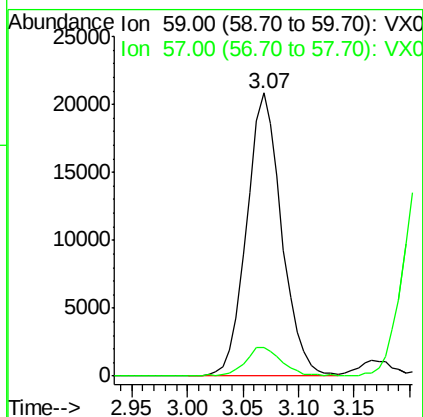
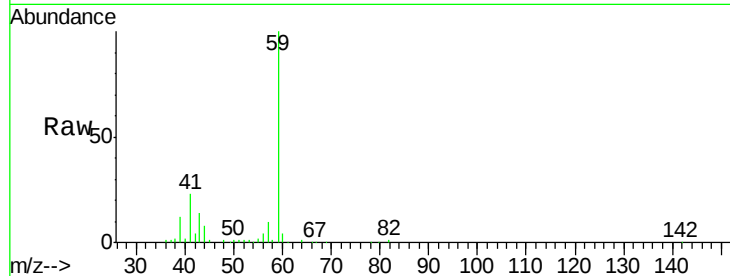




#11
Tert butyl alcohol
Concen: 105.38 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

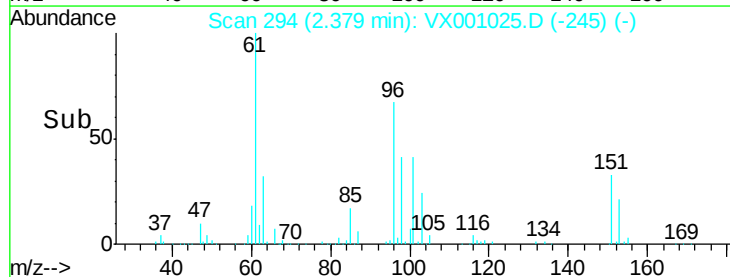
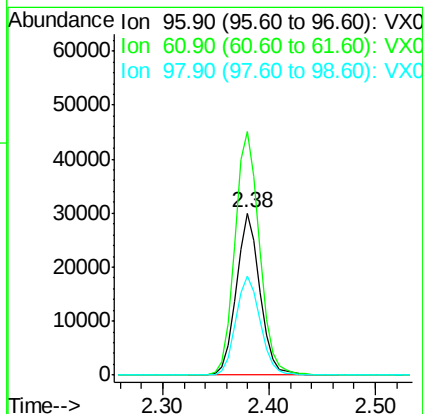
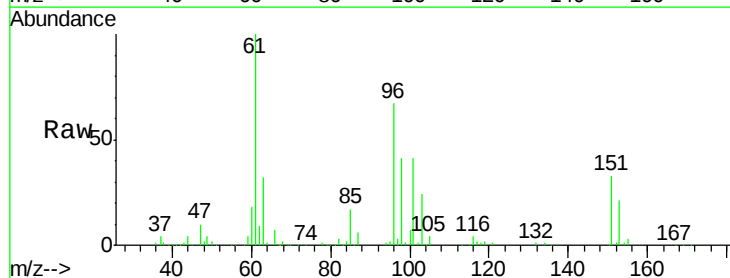
Instrument :
MSVOA_X
ClientSampleId :

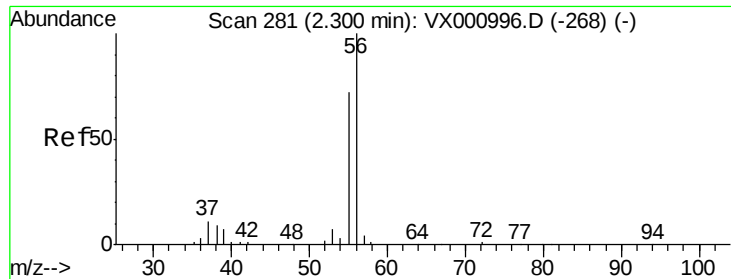
Tot Ion: 59 Resp: 45652
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 21.25 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 96 Resp: 46924
Ion Ratio Lower Upper
96 100
61 150.3 126.4 189.6
98 61.4 52.6 78.8





#13

Acrolein

Concen: 115.99 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

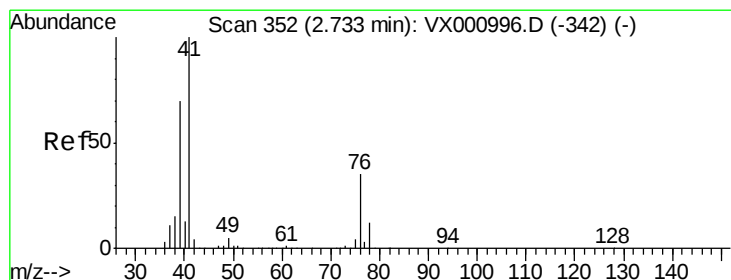
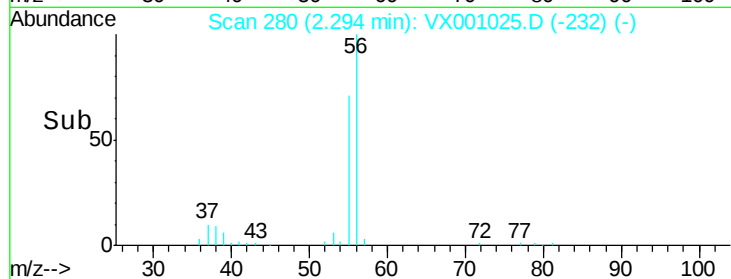
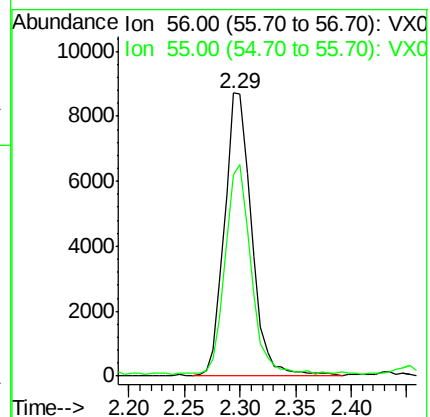
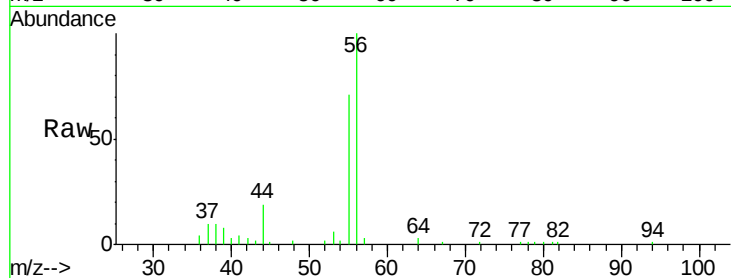
ClientSampleId :

Tot Ion: 56 Resp: 14828

Ion Ratio Lower Upper

56 100

55 69.2 57.4 86.2



#14

Allyl chloride

Concen: 20.49 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

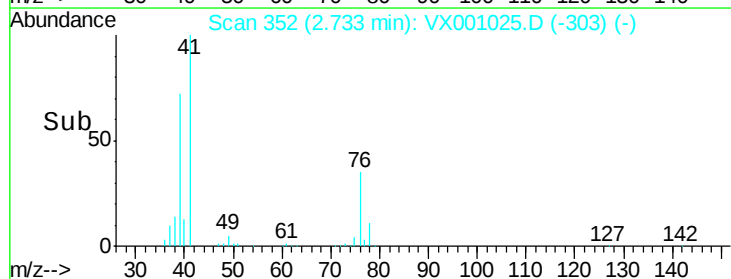
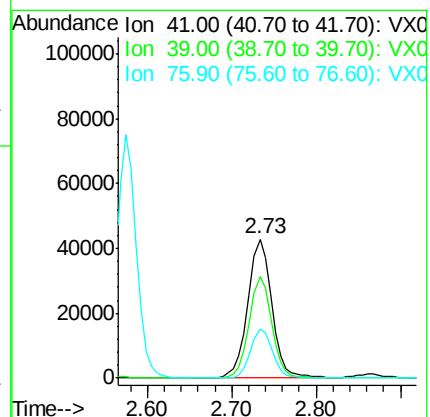
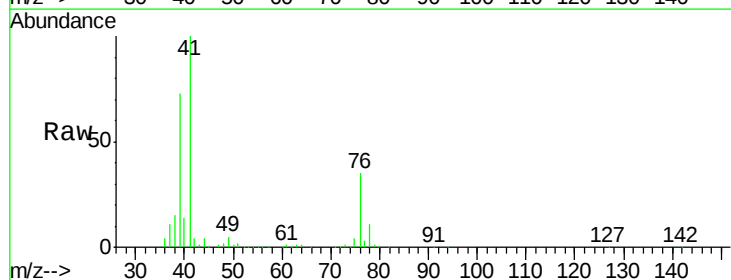
Tgt Ion: 41 Resp: 81877

Ion Ratio Lower Upper

41 100

39 68.6 53.0 79.6

76 32.7 25.9 38.9





#15

Acrylonitrile

Concen: 102.73 ug/l

RT: 3.15 min Scan# 421

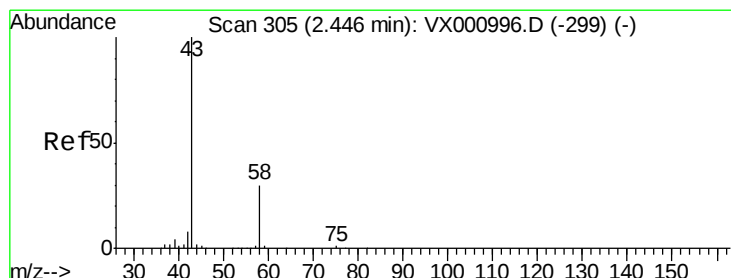
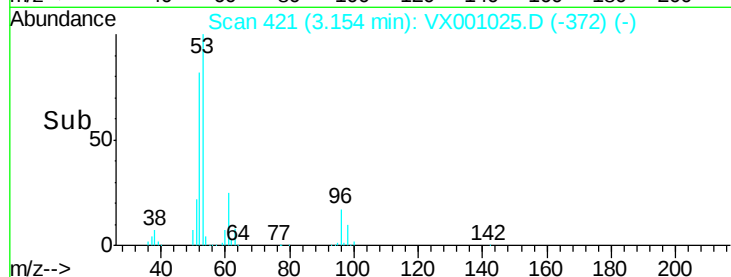
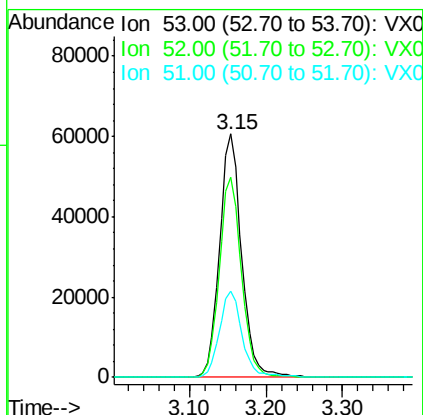
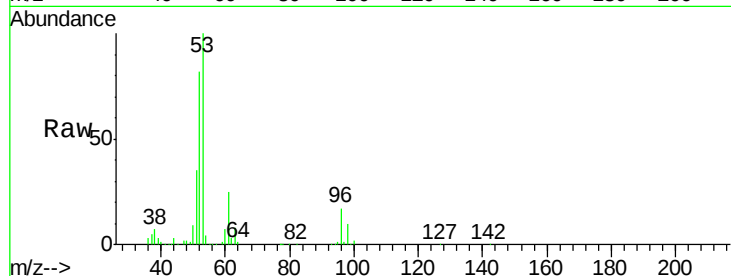
Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	120451
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.6	29.0	43.6



#16

Acetone

Concen: 99.02 ug/l

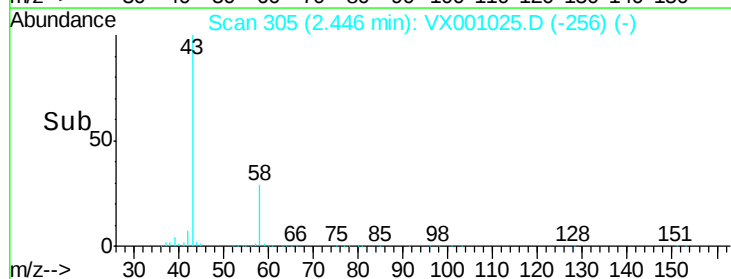
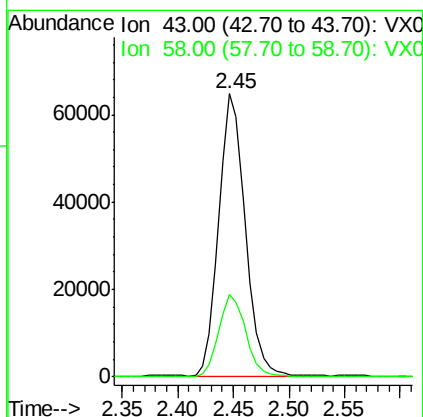
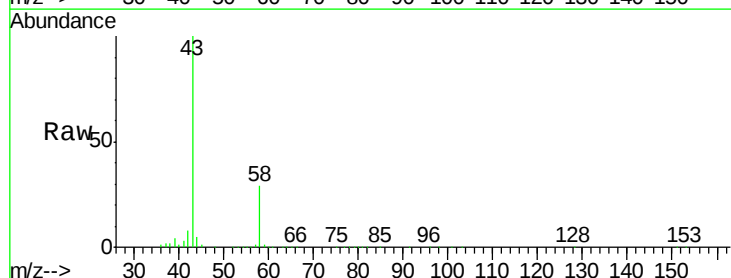
RT: 2.45 min Scan# 305

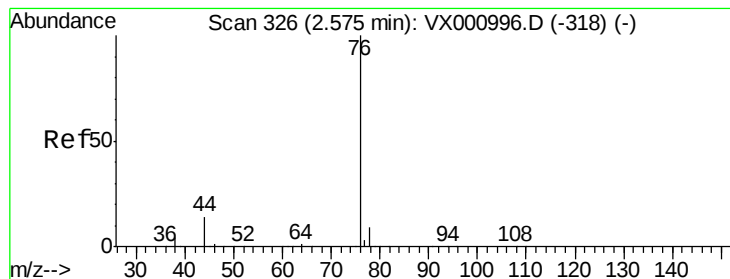
Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Tgt Ion:	43	Resp:	107105
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.7	35.5





#17

Carbon Disulfide

Concen: 19.11 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

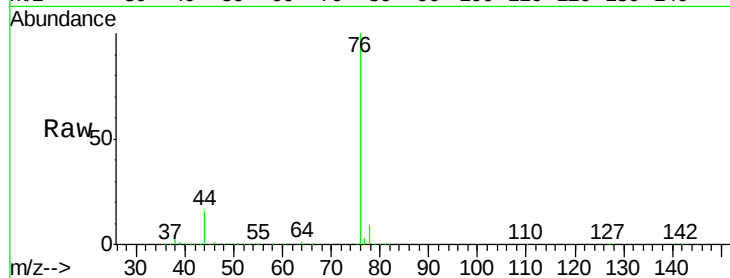
ClientSampleId :

Tot Ion: 76 Resp: 120241

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

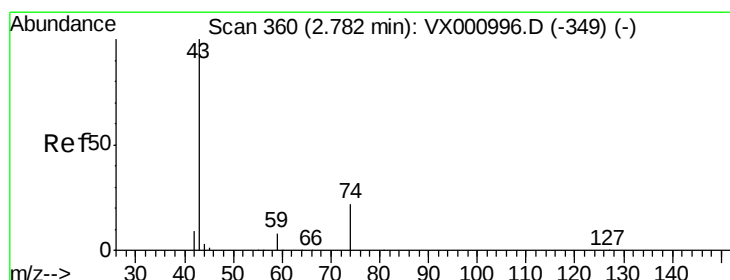
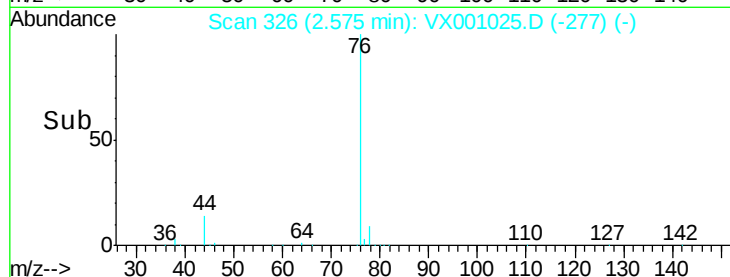
40000

20000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#18

Methyl Acetate

Concen: 23.04 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001025.D

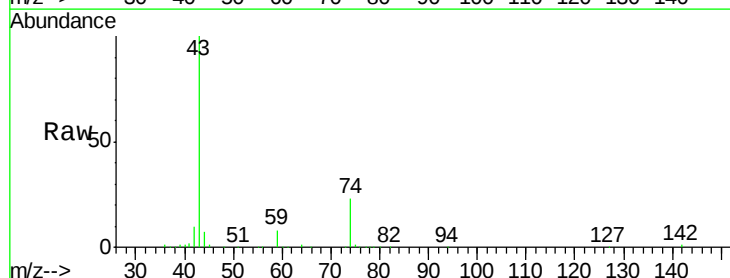
Acq: 20 Apr 2018 23:04

Tgt Ion: 43 Resp: 75398

Ion Ratio Lower Upper

43 100

74 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

50000

40000

30000

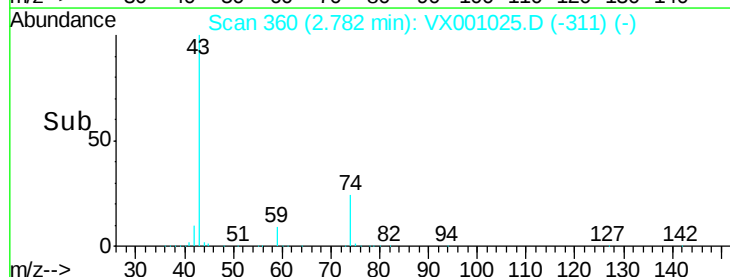
20000

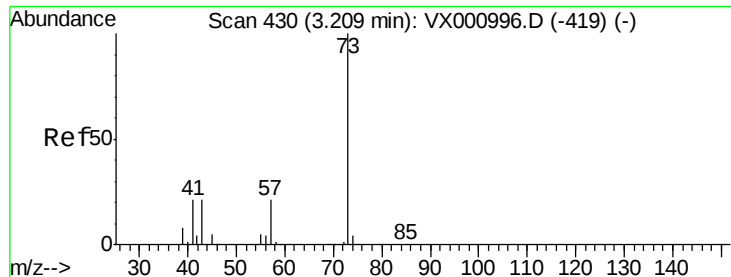
10000

0

2.70 2.75 2.80 2.85

Time-->



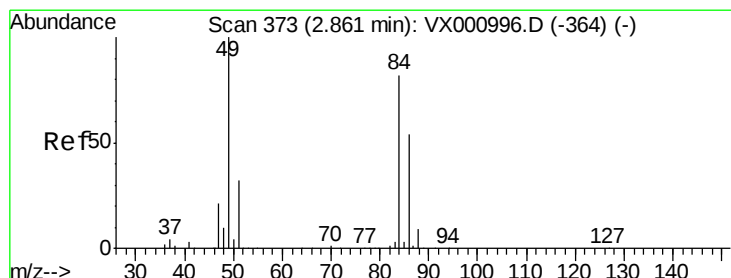
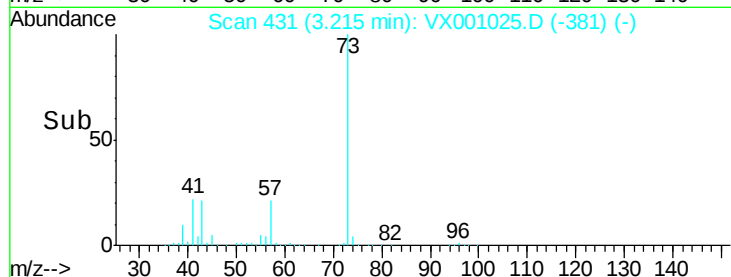
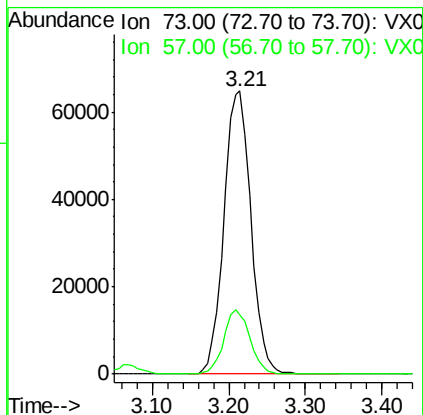
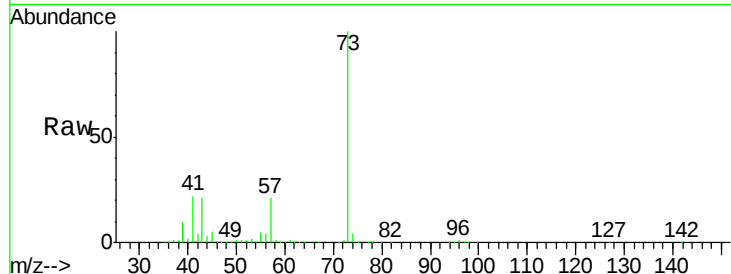


#19

Methyl tert-butyl Ether
 Concen: 21.28 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Instrument :
 MSVOA_X
 ClientSampled :

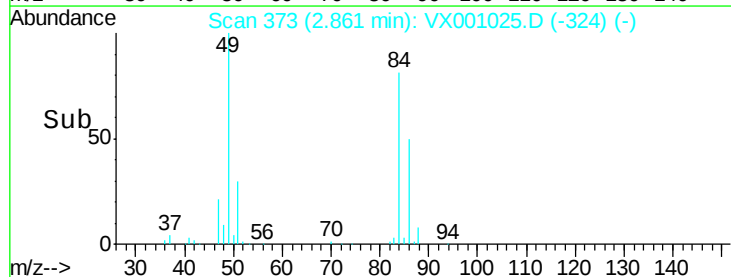
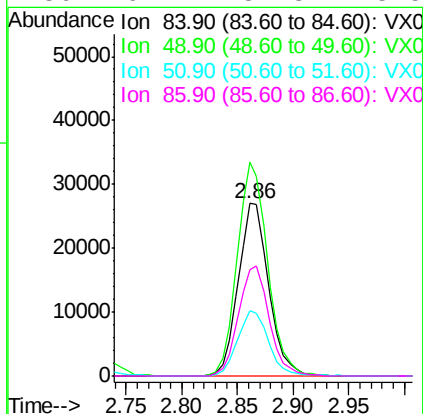
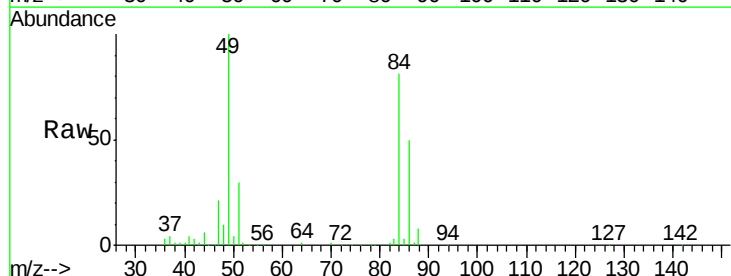
Tot Ion: 73 Resp: 157952
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.1 25.7

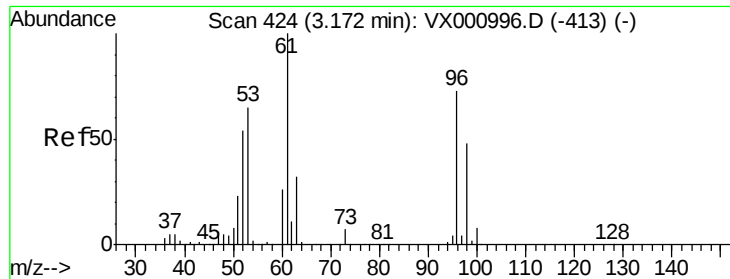


#20

Methylene Chloride
 Concen: 21.67 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Tgt Ion: 84 Resp: 51394
 Ion Ratio Lower Upper
 84 100
 49 123.8 97.1 145.7
 51 37.3 30.8 46.2
 86 61.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.56 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

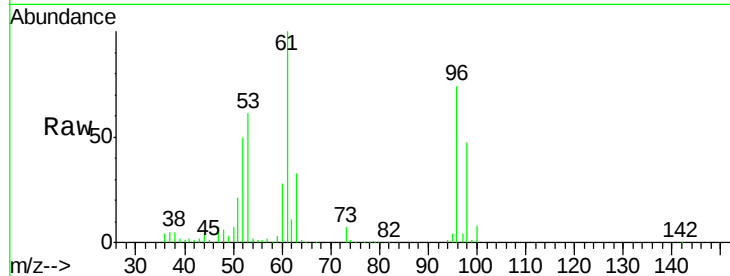
Tot Ion: 96 Resp: 50547

Ion Ratio Lower Upper

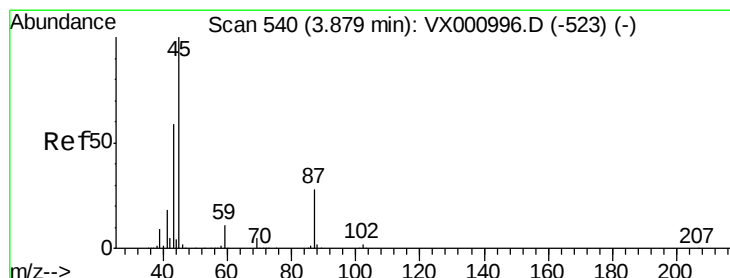
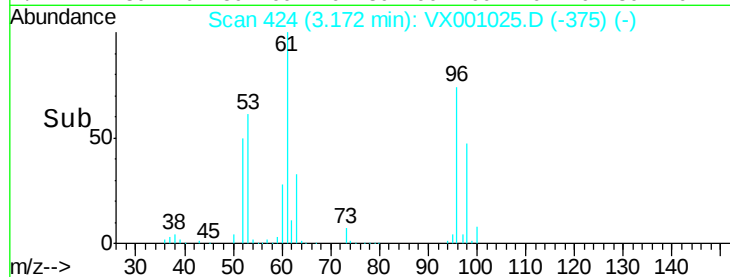
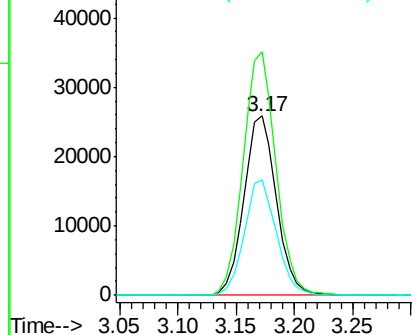
96 100

61 135.8 109.4 164.2

98 64.4 52.6 78.8



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



#22

Diisopropyl ether

Concen: 21.14 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Tgt Ion: 45 Resp: 163535

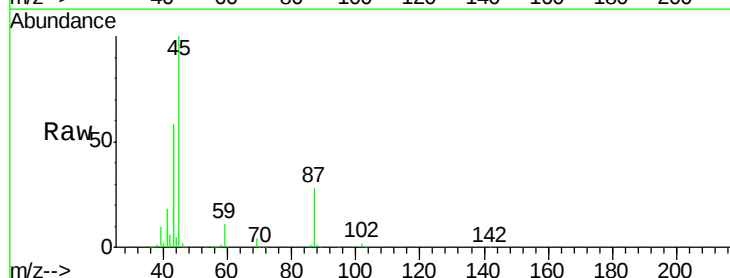
Ion Ratio Lower Upper

45 100

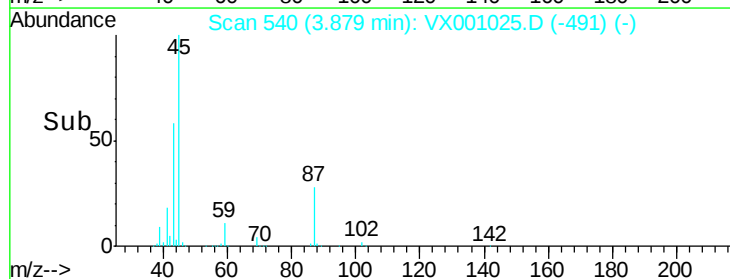
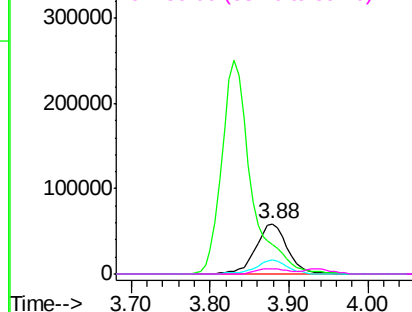
43 57.4 47.0 70.4

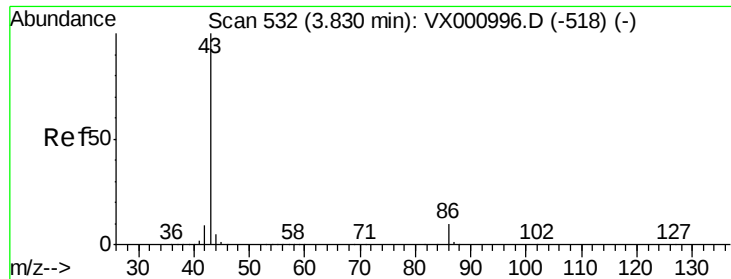
87 27.9 22.5 33.7

59 10.5 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 102.19 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

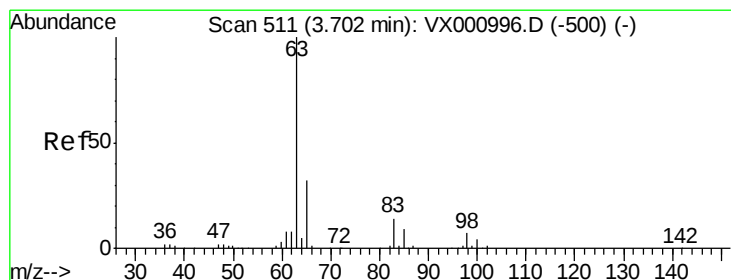
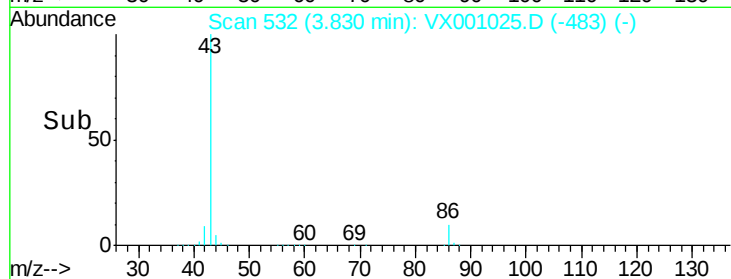
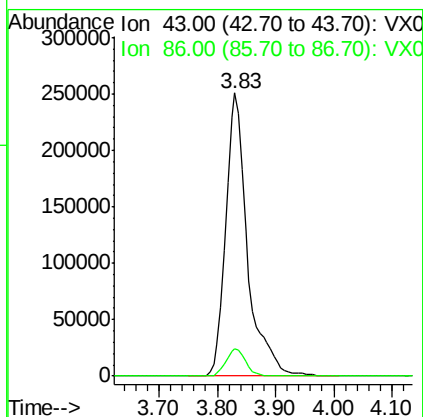
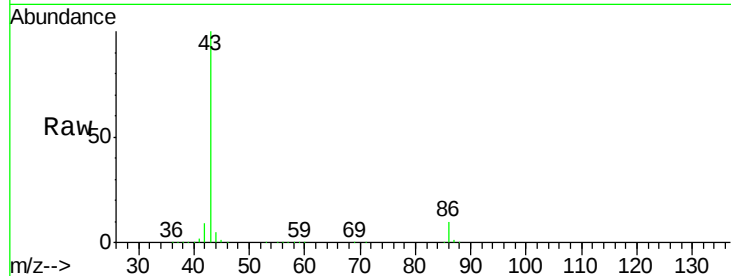
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 654407

Ion Ratio Lower Upper

43 100

86 9.6 8.1 12.1



#24

1,1-Dichloroethane

Concen: 21.02 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

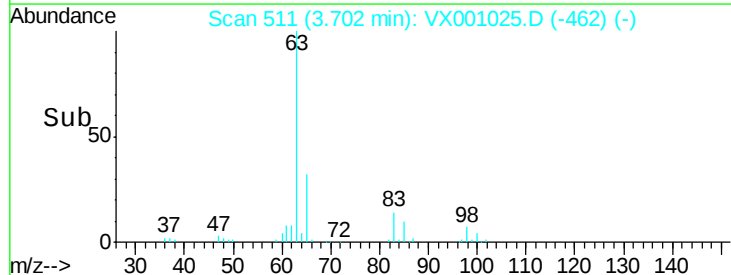
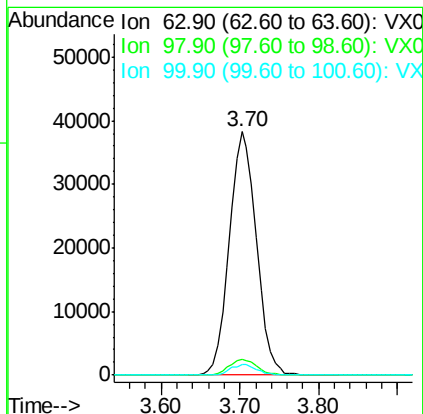
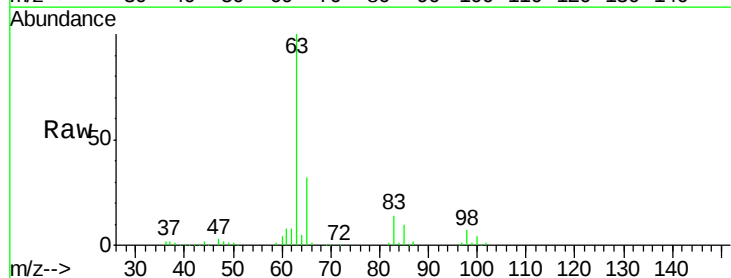
Tgt Ion: 63 Resp: 91178

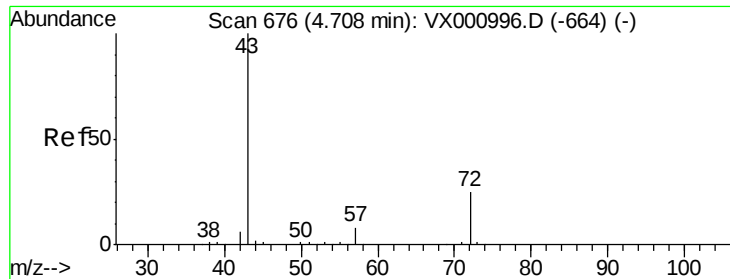
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 101.13 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

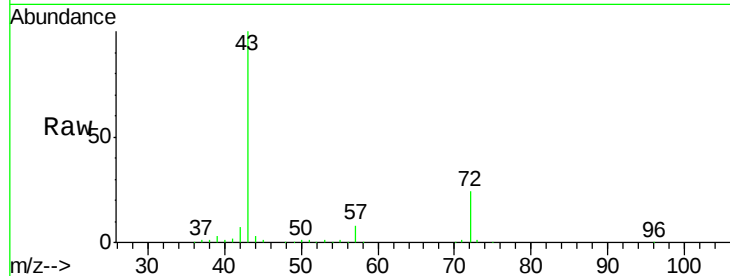
ClientSampleId :

Tot Ion: 43 Resp: 170767

Ion Ratio Lower Upper

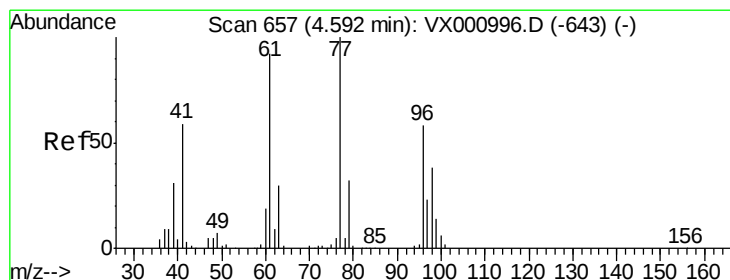
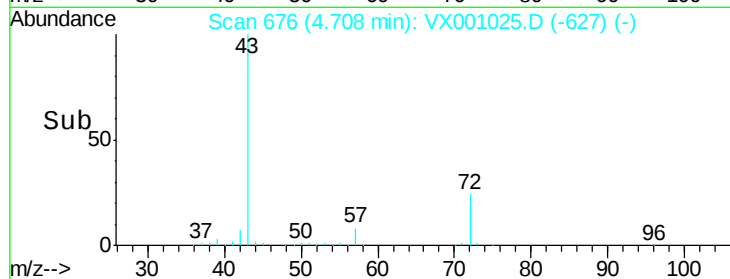
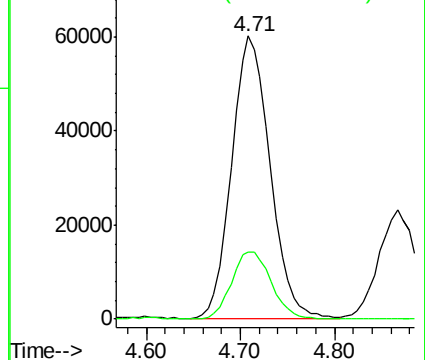
43 100

72 23.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.85 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001025.D

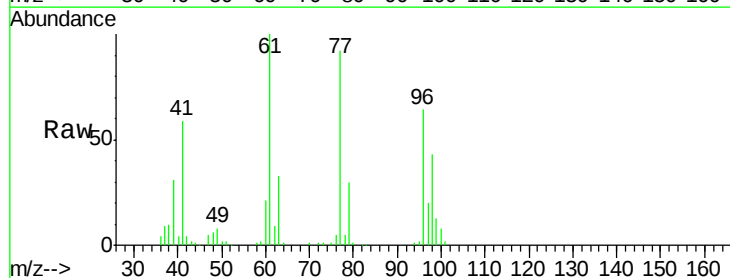
Acq: 20 Apr 2018 23:04

Tgt Ion: 77 Resp: 66619

Ion Ratio Lower Upper

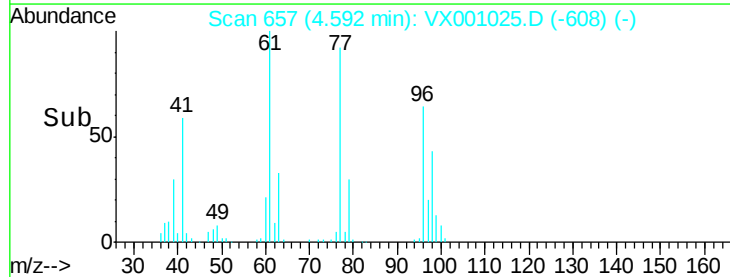
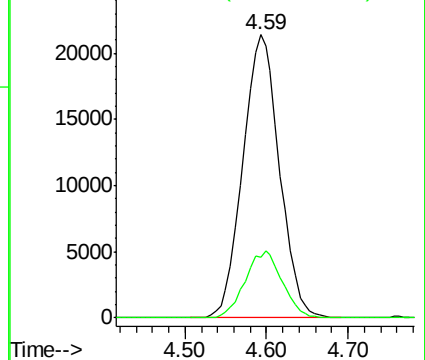
77 100

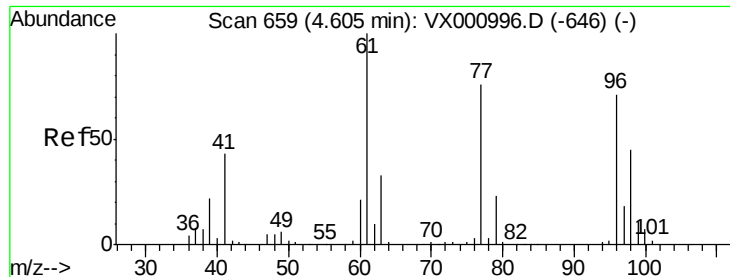
97 24.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



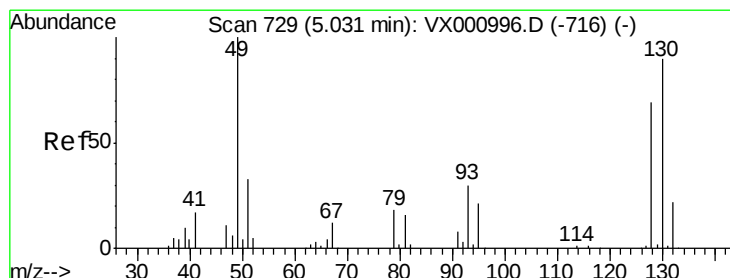
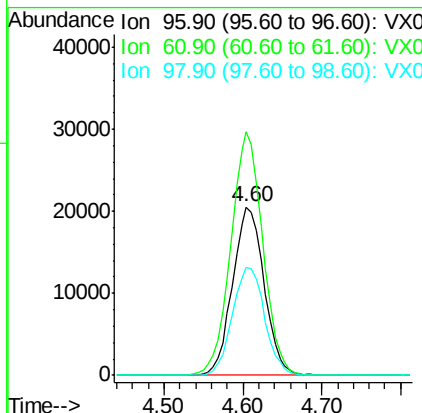
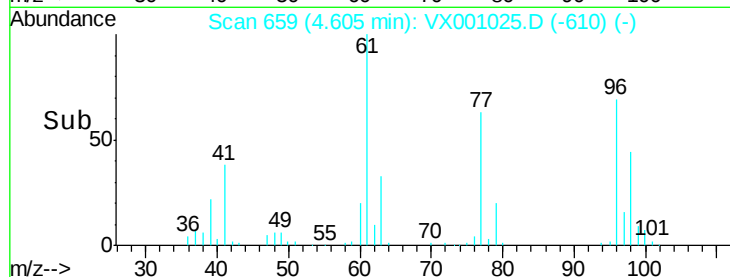
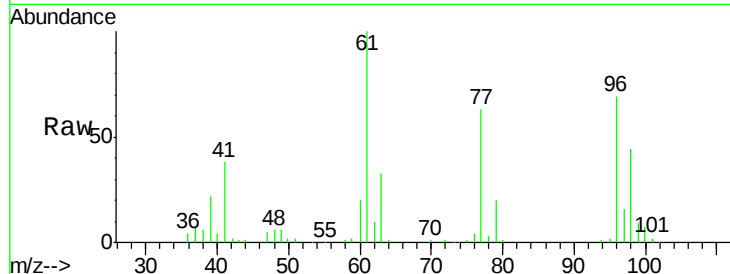


#27

cis-1,2-Dichloroethene
 Concen: 20.84 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :

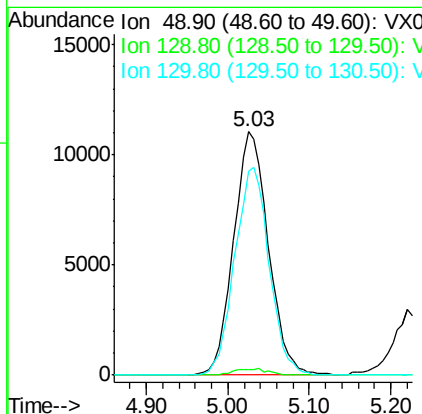
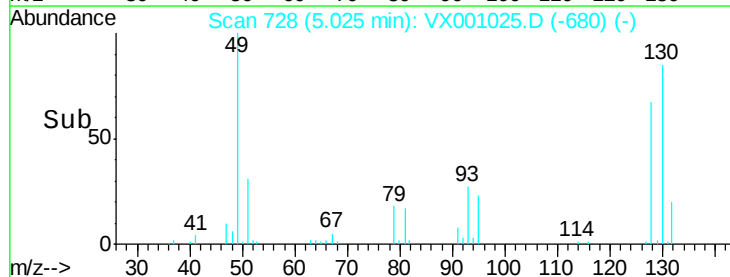
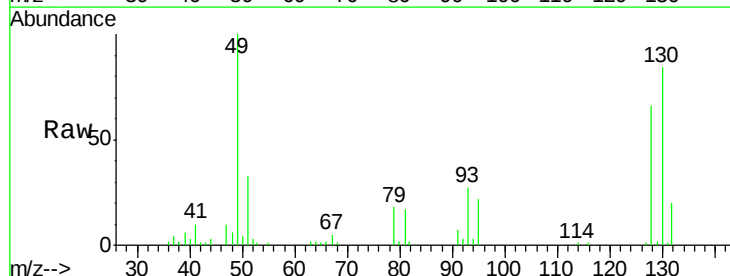
Tot Ion: 96 Resp: 57052
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 297.0
 98 65.5 0.0 130.0

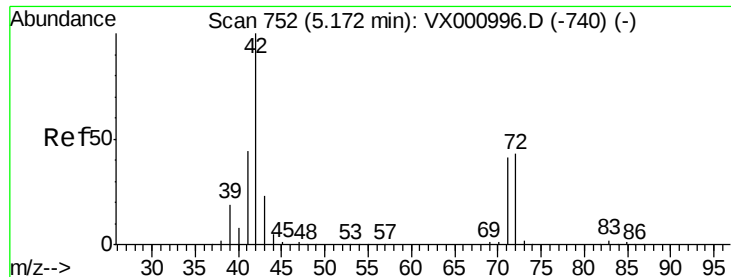


#28

Bromochloromethane
 Concen: 19.50 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Tgt Ion: 49 Resp: 32536
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 84.7 70.6 105.8

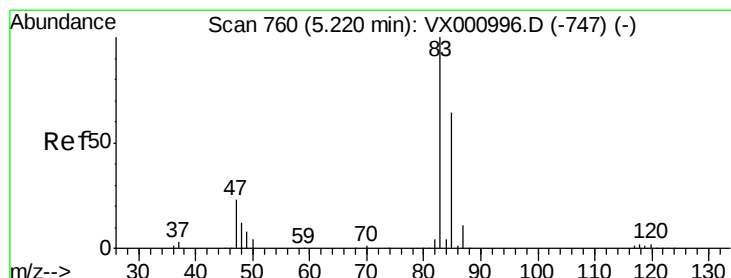
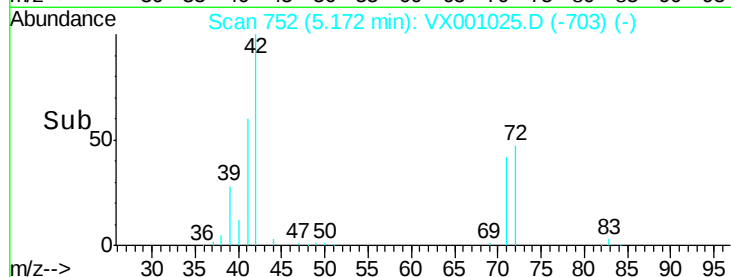
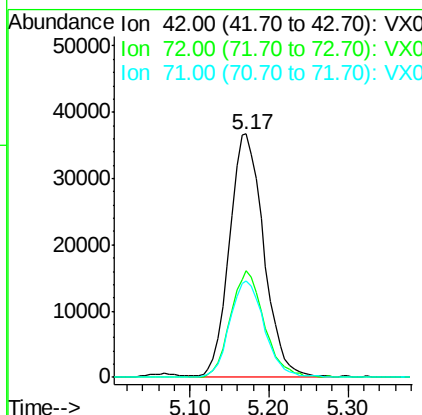
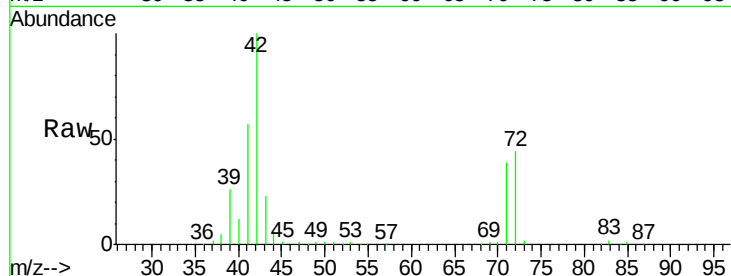




#29
Tetrahydrofuran
Concen: 103.42 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

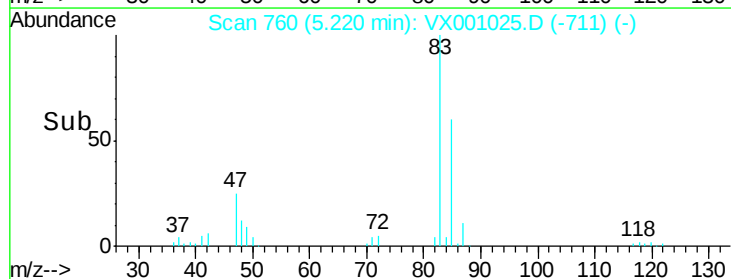
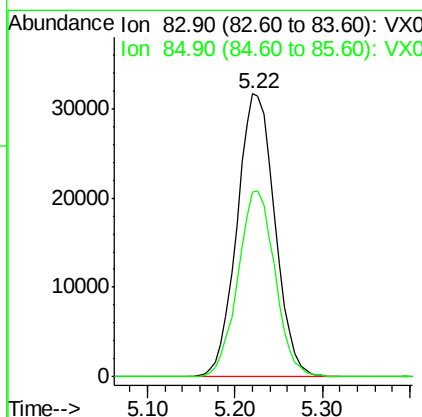
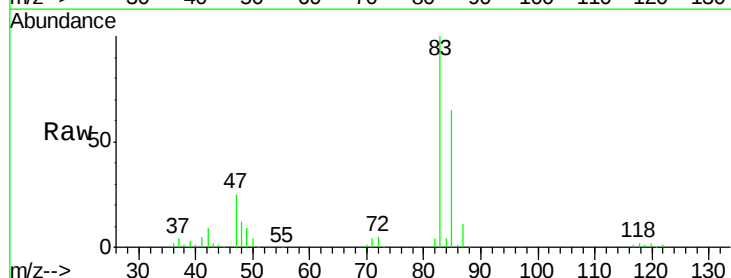
Instrument :
MSVOA_X
ClientSampled :

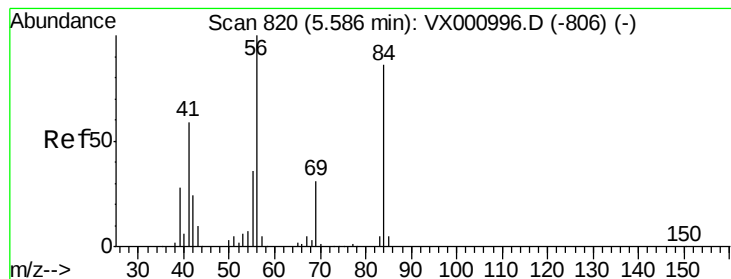
Tot Ion: 42 Resp: 110358
Ion Ratio Lower Upper
42 100
72 43.3 34.6 52.0
71 40.1 32.6 49.0



#30
Chloroform
Concen: 21.21 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 83 Resp: 95304
Ion Ratio Lower Upper
83 100
85 65.3 51.3 76.9





#31

Cyclohexane

Concen: 20.00 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

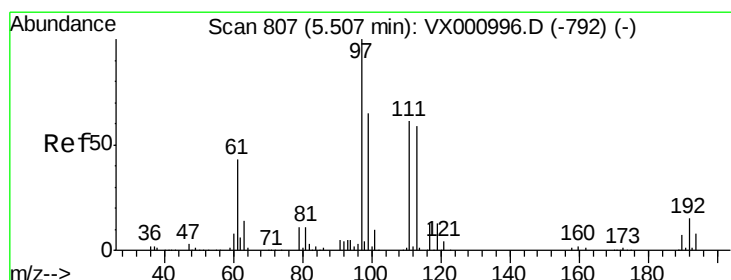
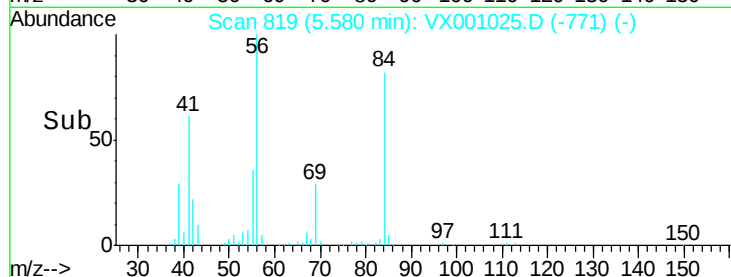
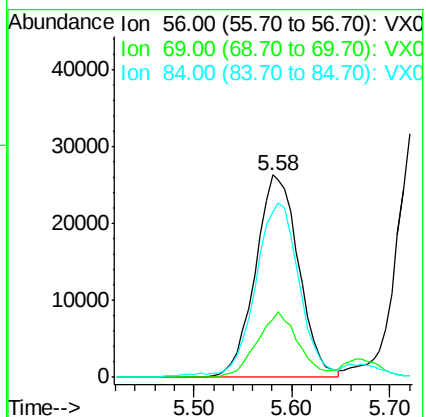
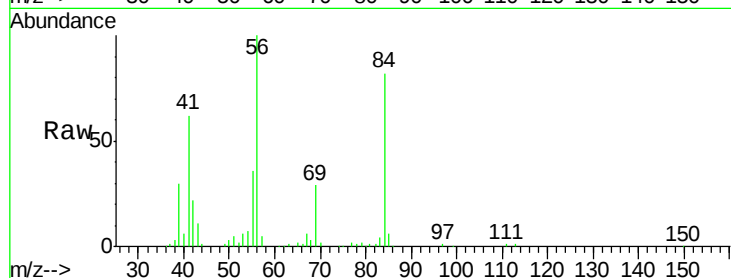
Tot Ion: 56 Resp: 81002

Ion Ratio Lower Upper

56 100

69 28.5 24.6 36.8

84 80.2 69.0 103.6



#32

1,1,1-Trichloroethane

Concen: 20.96 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

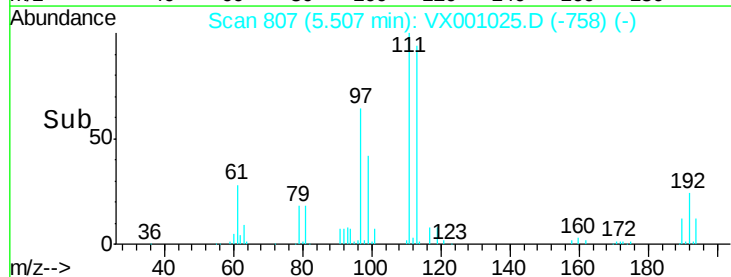
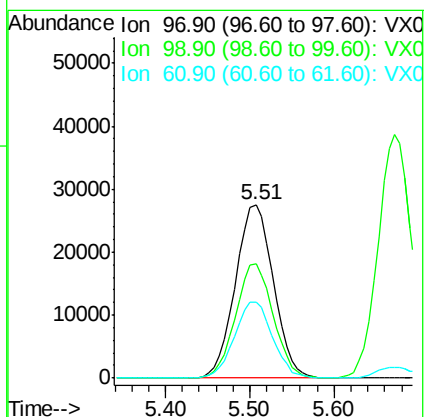
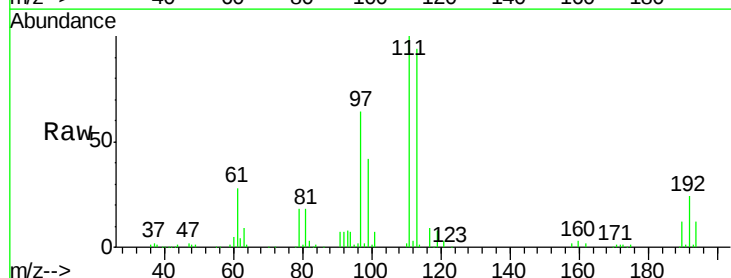
Tgt Ion: 97 Resp: 84427

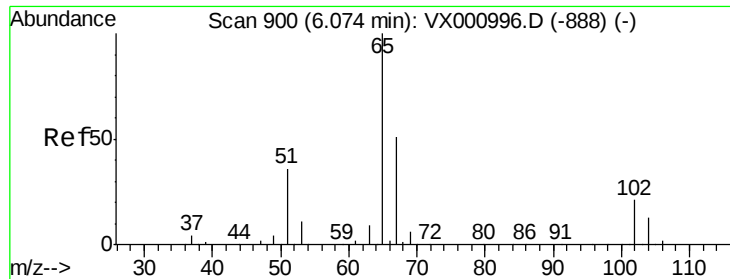
Ion Ratio Lower Upper

97 100

99 65.1 51.1 76.7

61 43.9 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 51.94 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

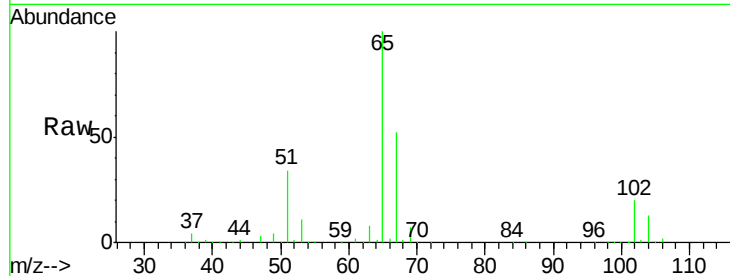
ClientSampleId :

Tot Ion: 65 Resp: 149202

Ion Ratio Lower Upper

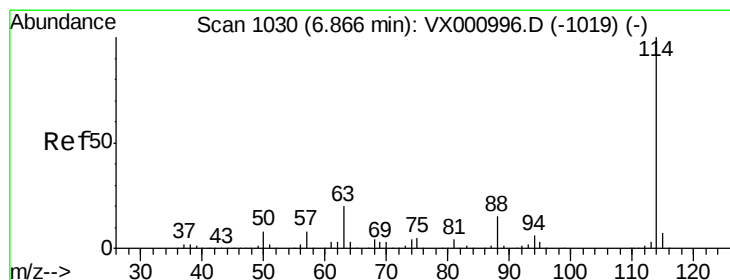
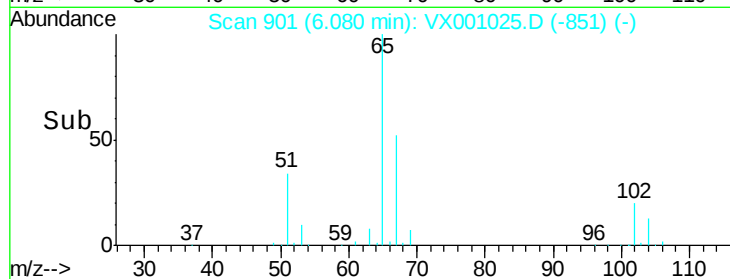
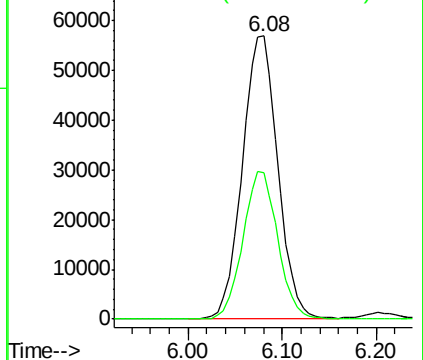
65 100

67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

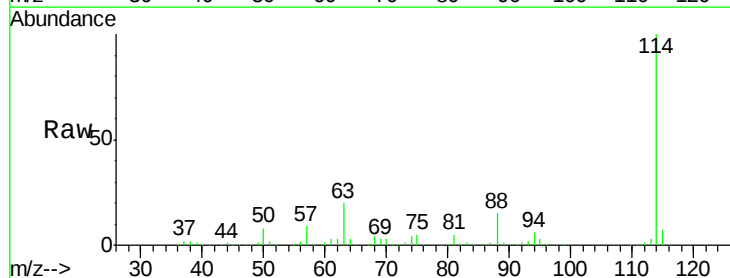
Tgt Ion: 114 Resp: 317089

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

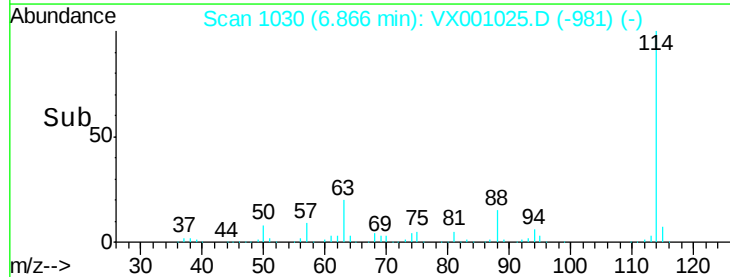
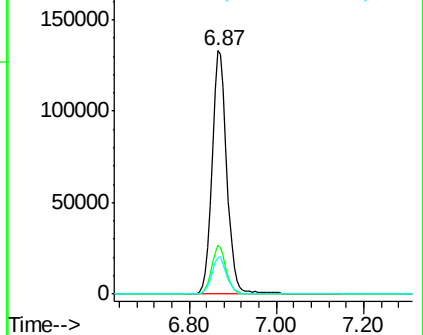
88 14.8 0.0 29.8

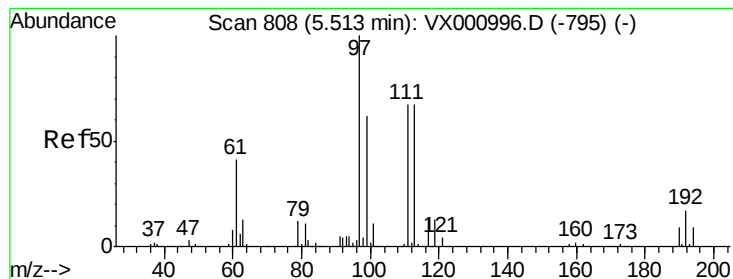


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.02 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampled :

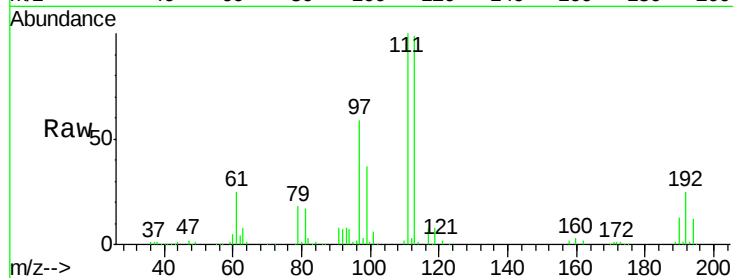
Tot Ion:113 Resp: 120952

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

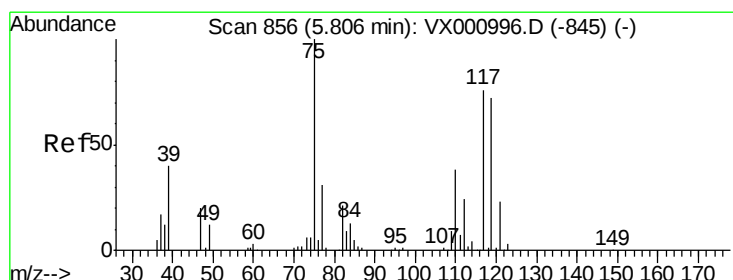
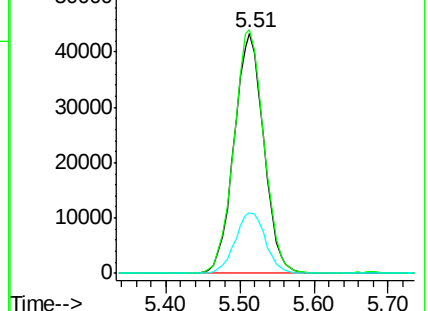
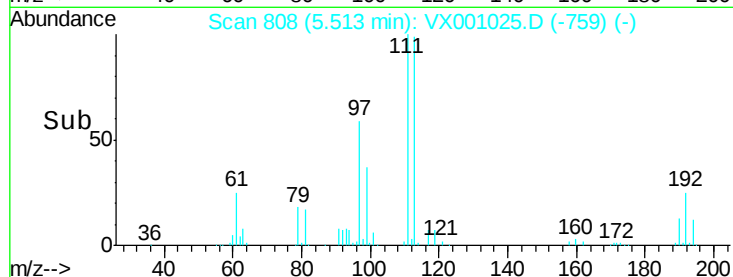
192 25.8 20.4 30.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.42 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

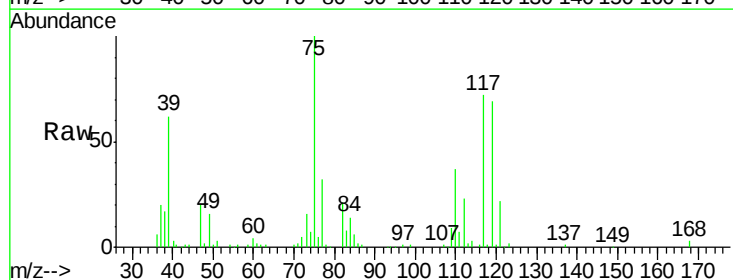
Tgt Ion: 75 Resp: 72353

Ion Ratio Lower Upper

75 100

110 37.4 18.7 56.1

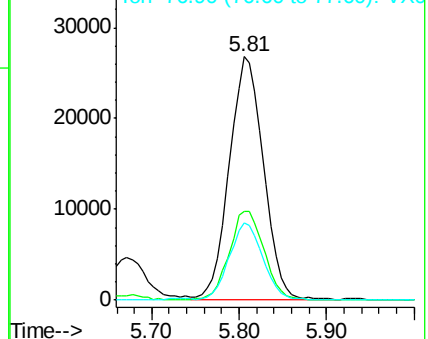
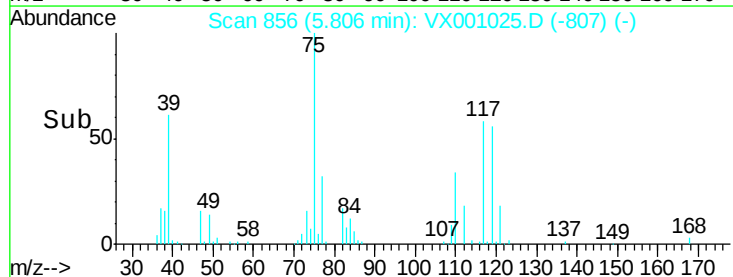
77 31.6 25.0 37.4

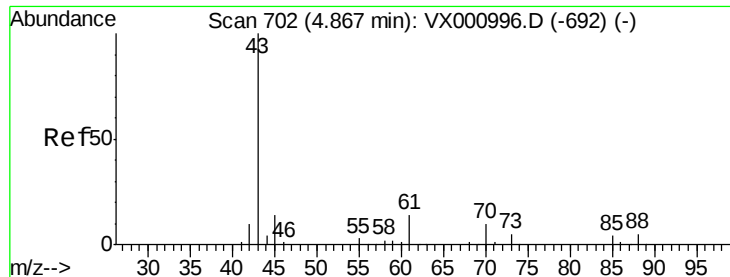


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

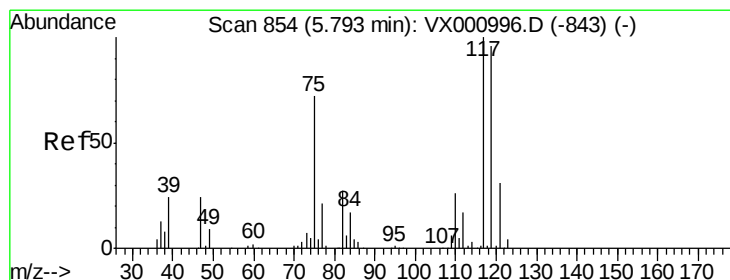
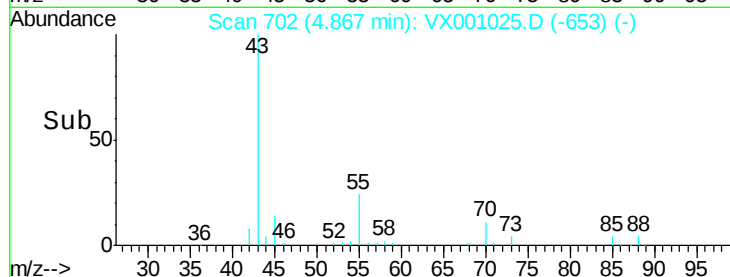
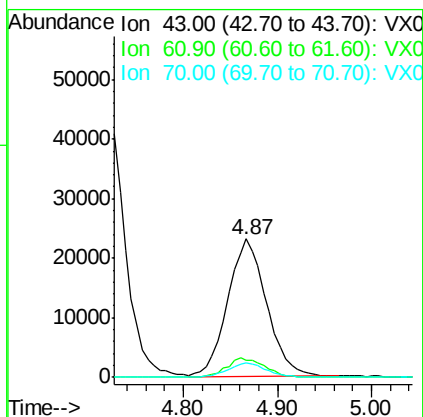
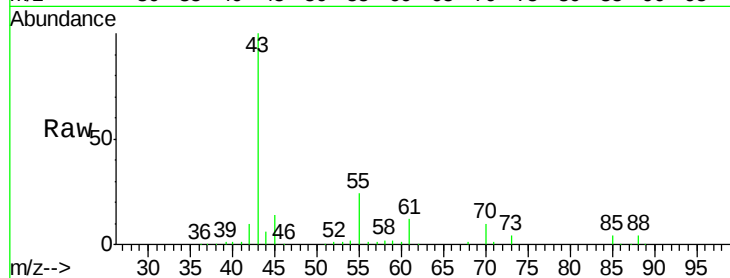




#37
Ethyl Acetate
Concen: 19.35 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

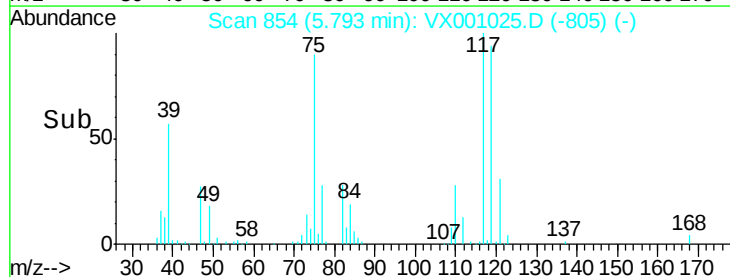
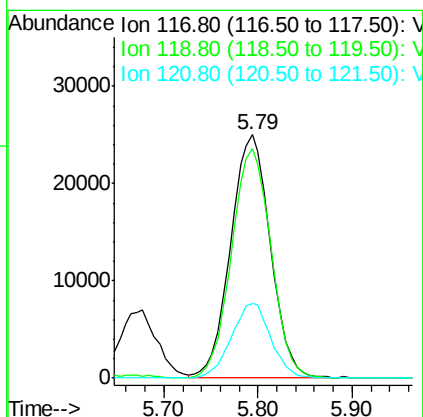
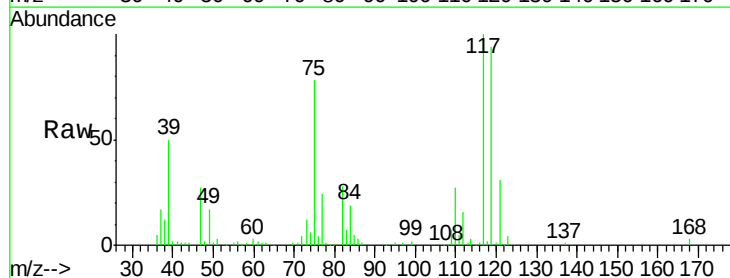
Instrument :
MSVOA_X
ClientSampleId :

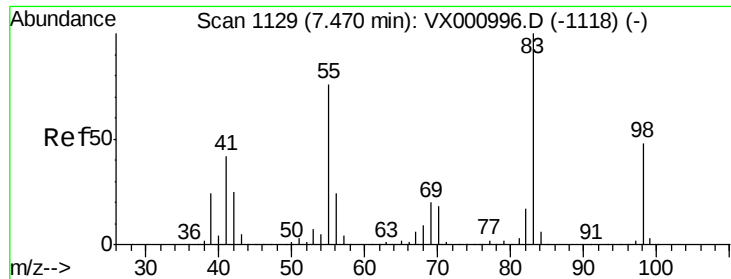
Tot Ion: 43 Resp: 66135
Ion Ratio Lower Upper
43 100
61 14.0 10.7 16.1
70 10.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.36 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 117 Resp: 73040
Ion Ratio Lower Upper
117 100
119 94.2 76.5 114.7
121 30.6 24.5 36.7

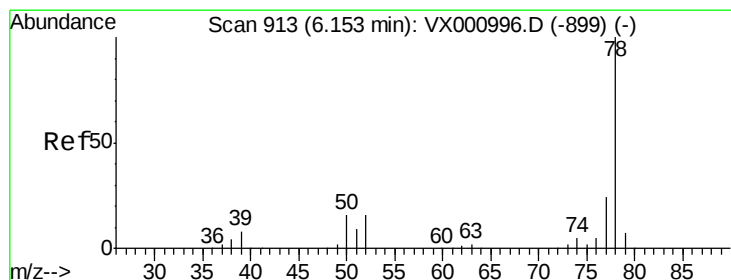
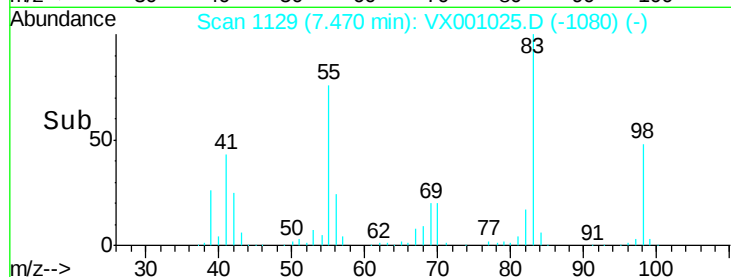
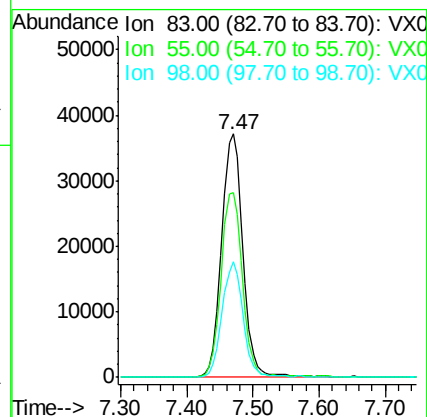
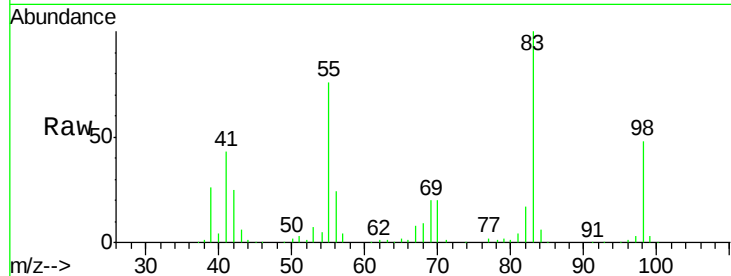




#39
Methvlcvclohexane
Concen: 19.20 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

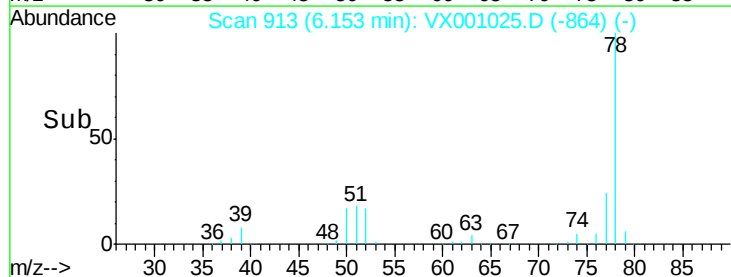
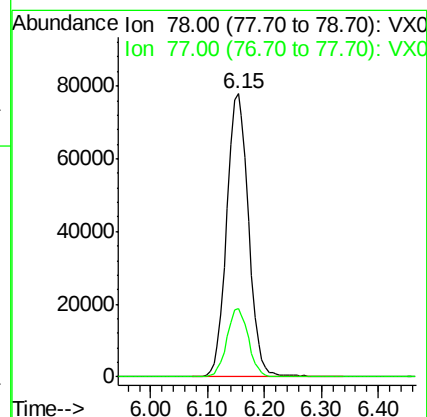
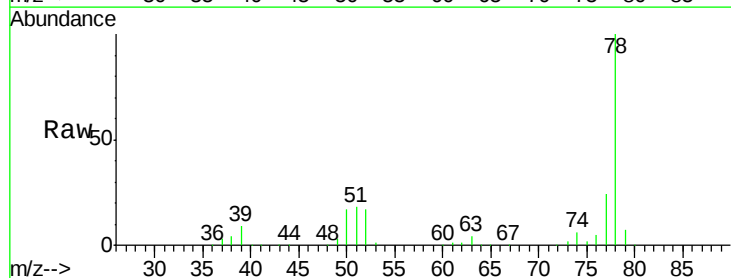
Instrument :
MSVOA_X
ClientSampled :

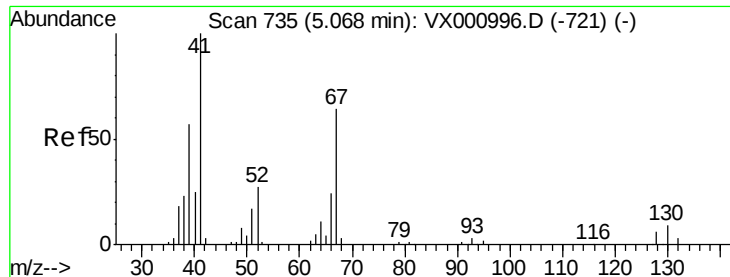
Tot Ion: 83 Resp: 83281
Ion Ratio Lower Upper
83 100
55 75.7 60.6 91.0
98 47.7 38.2 57.4



#40
Benzene
Concen: 20.12 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 78 Resp: 208405
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3

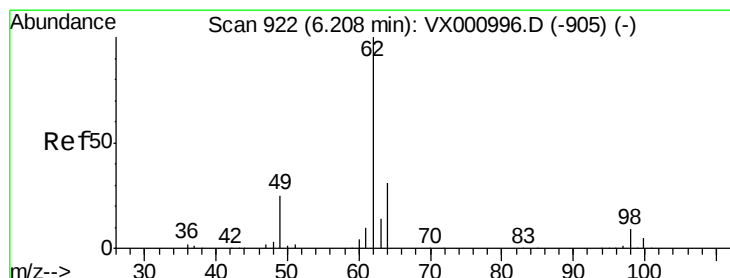
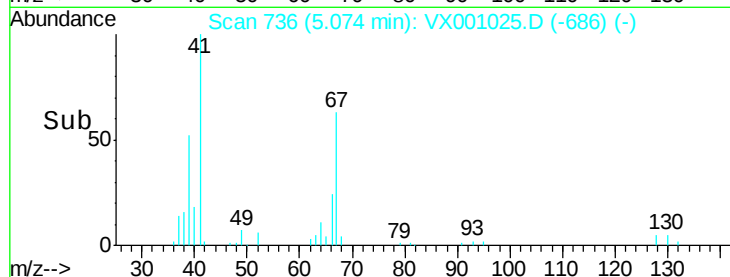
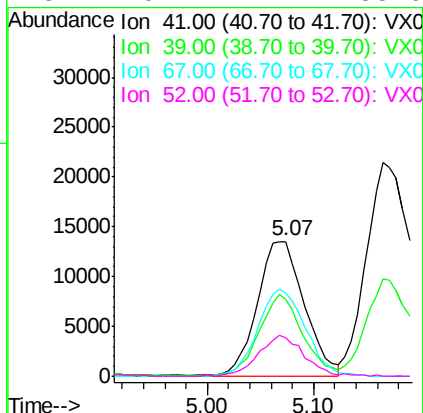
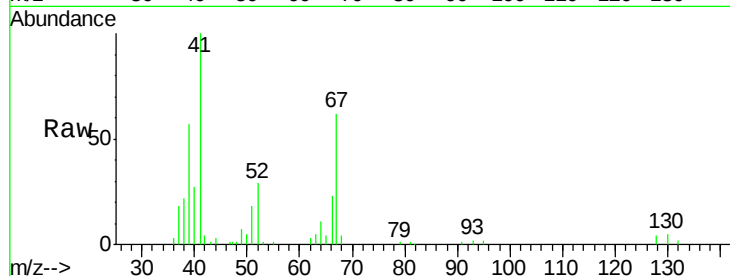




#41
Methacrylonitrile
Concen: 19.33 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

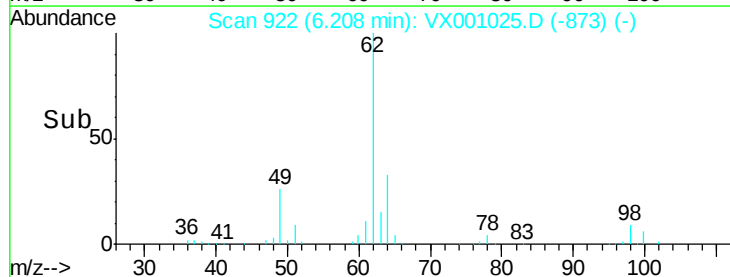
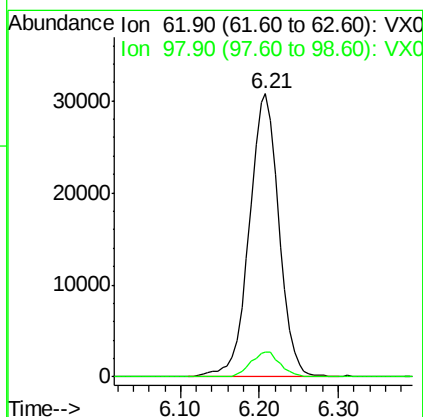
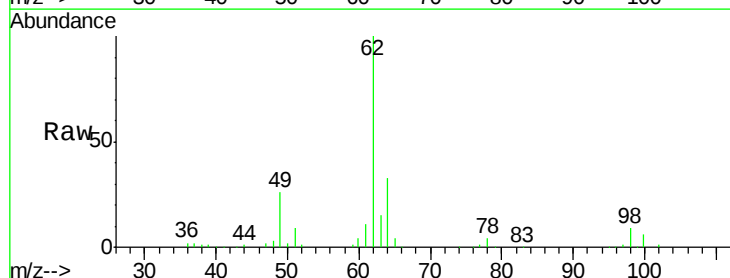
Instrument :
MSVOA_X
ClientSampled :

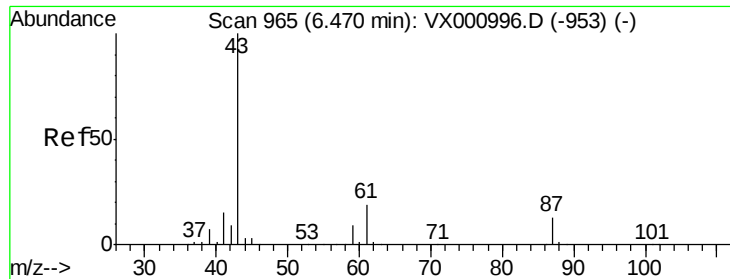
Tot Ion:	41	Resp:	41261
Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.2	67.8
67	65.9	53.8	80.8
52	29.7	22.4	33.6



#42
1,2-Dichloroethane
Concen: 20.05 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion:	62	Resp:	79725
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.46 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

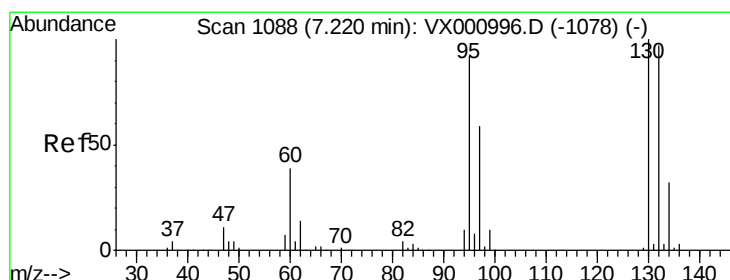
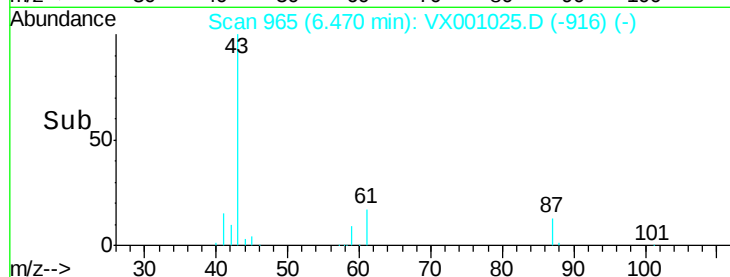
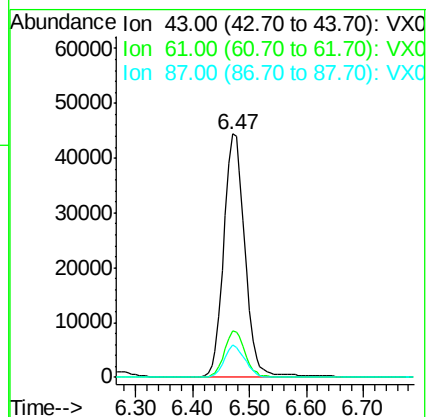
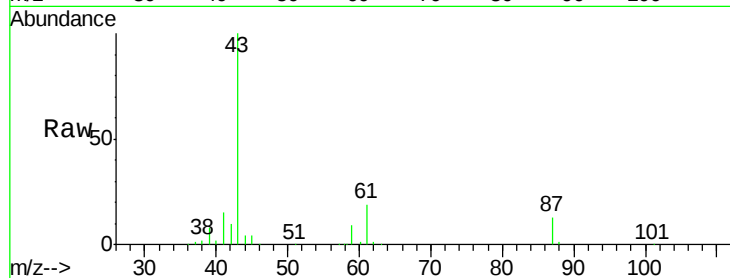
Tot Ion: 43 Resp: 114114

Ion Ratio Lower Upper

43 100

61 18.8 15.4 23.2

87 12.9 10.6 15.8



#44

Trichloroethene

Concen: 19.89 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001025.D

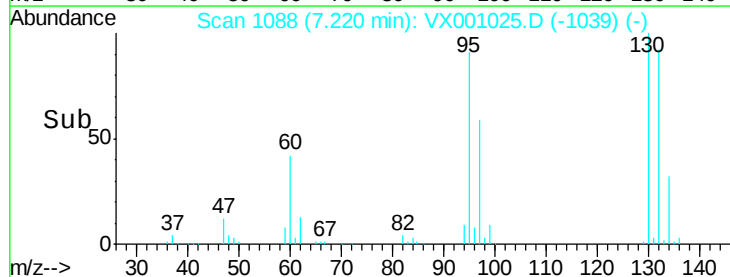
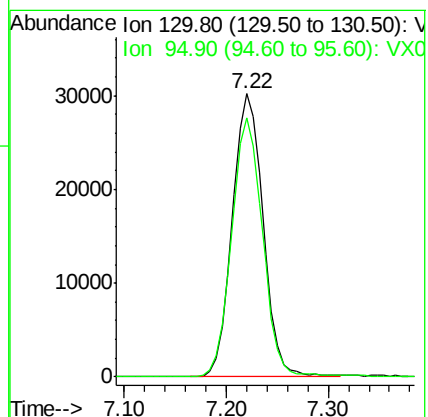
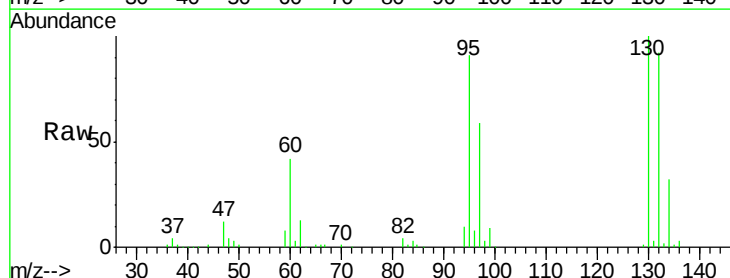
Acq: 20 Apr 2018 23:04

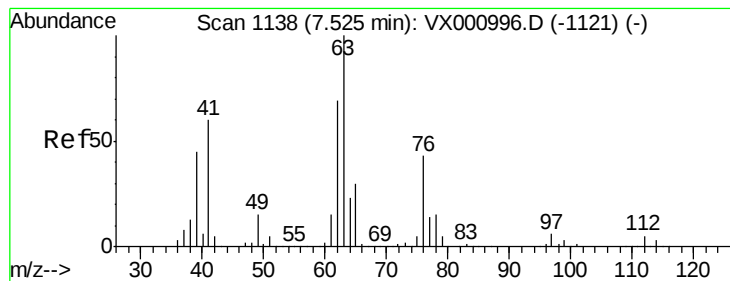
Tgt Ion:130 Resp: 62938

Ion Ratio Lower Upper

130 100

95 91.4 0.0 184.2





#45

1,2-Dichloropropane

Concen: 20.39 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

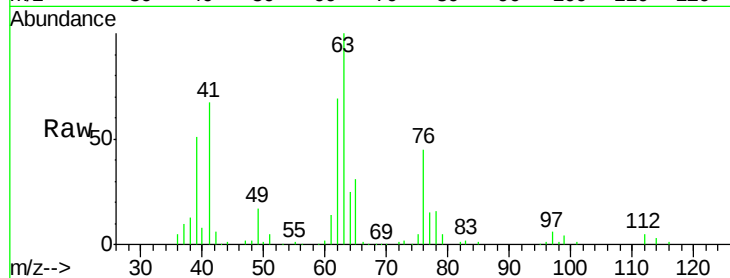
ClientSampleId :

Tot Ion: 63 Resp: 53104

Ion Ratio Lower Upper

63 100

65 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

10000

5000

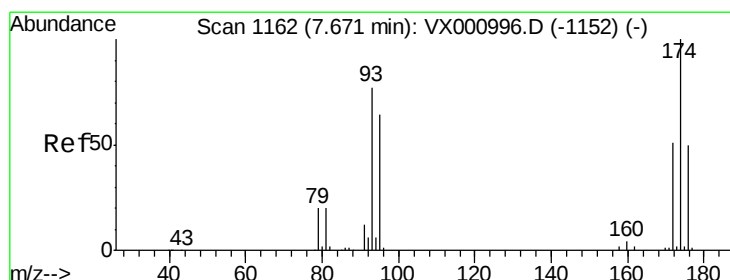
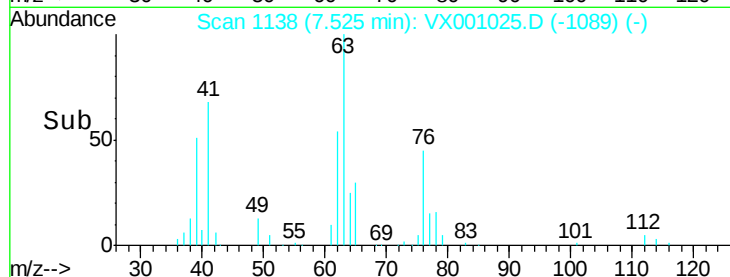
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 19.64 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

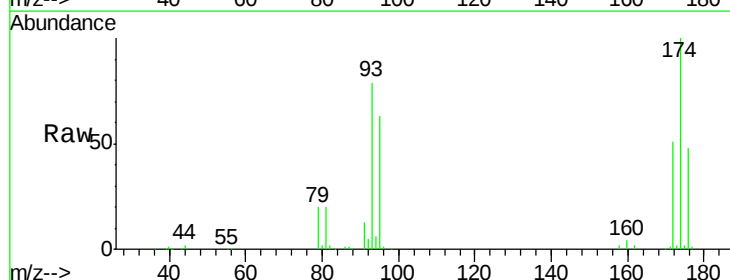
Tgt Ion: 93 Resp: 35740

Ion Ratio Lower Upper

93 100

95 84.5 66.7 100.1

174 129.3 101.8 152.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

10000

5000

0

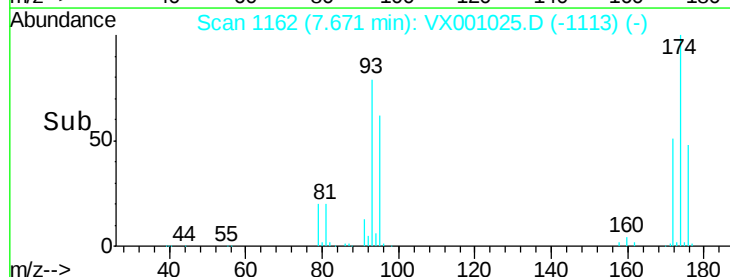
7.60

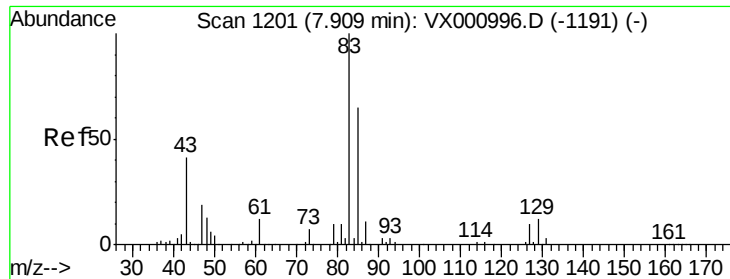
7.65

7.70

7.75

Time-->





#47

Bromodichloromethane

Concen: 19.92 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

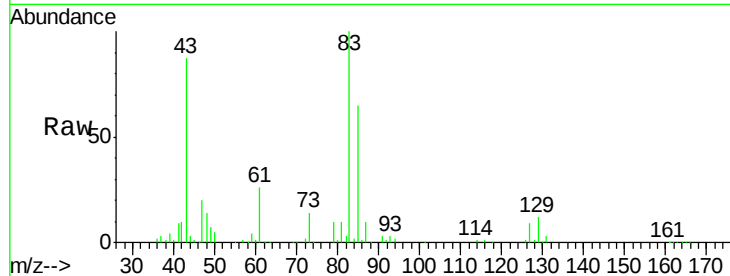
Tot Ion: 83 Resp: 67169

Ion Ratio Lower Upper

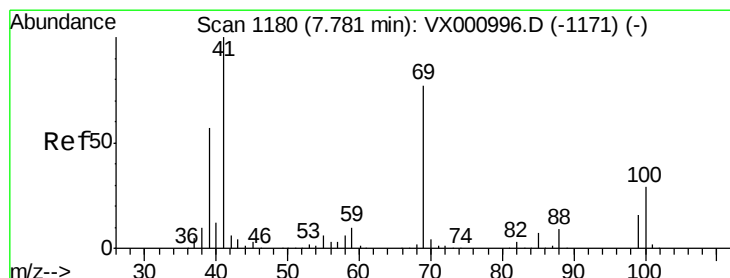
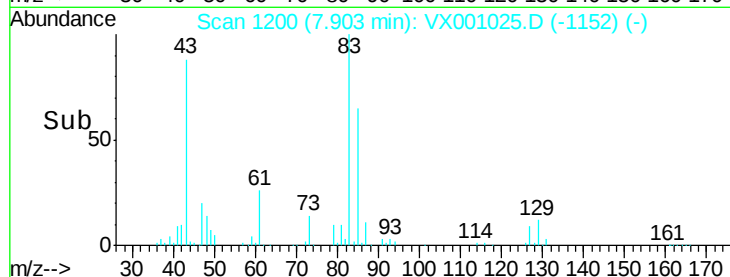
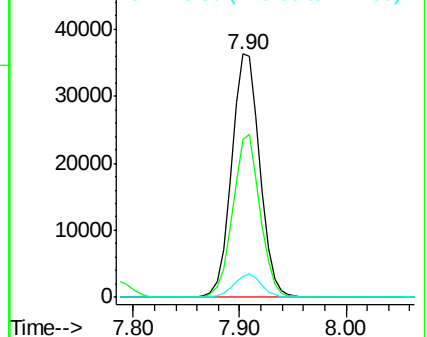
83 100

85 64.9 52.3 78.5

127 8.7 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.64 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

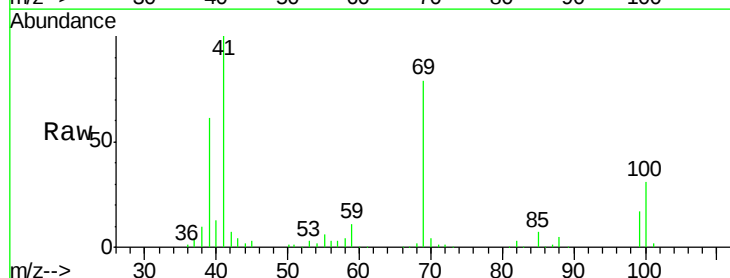
Tgt Ion: 41 Resp: 62026

Ion Ratio Lower Upper

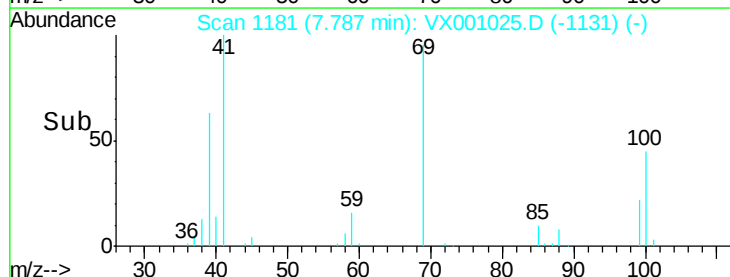
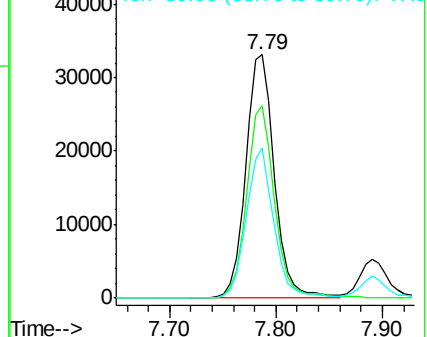
41 100

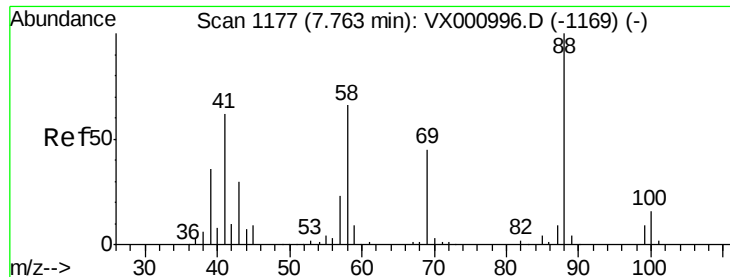
69 78.1 62.6 94.0

39 58.8 45.3 67.9



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

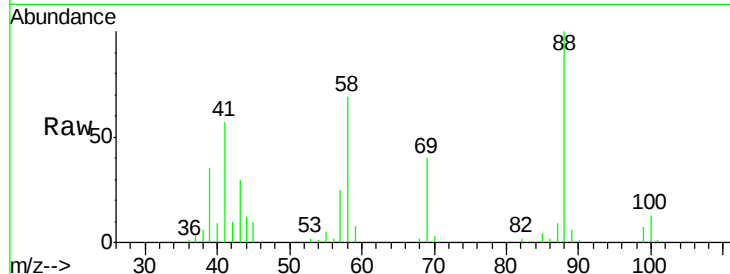




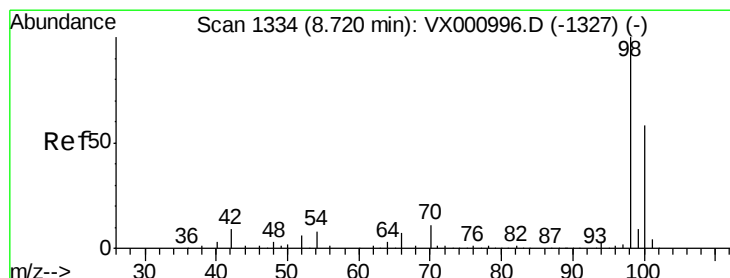
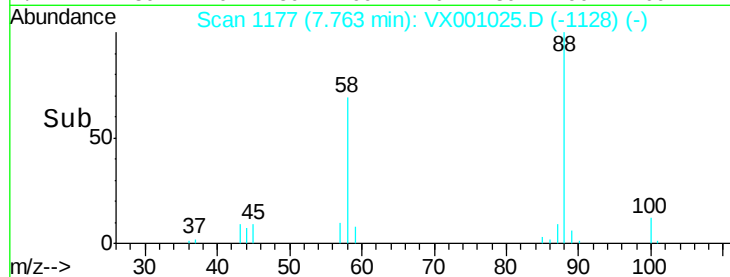
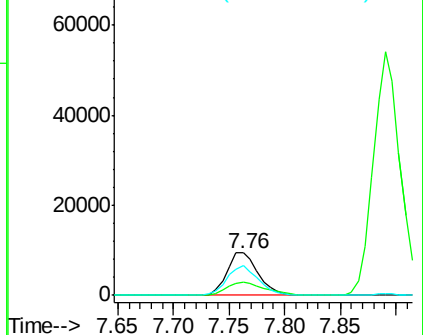
#49
1,4-Dioxane
Concen: 396.23 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 18398
Ion Ratio Lower Upper
88 100
43 37.6 29.2 43.8
58 71.8 55.0 82.6

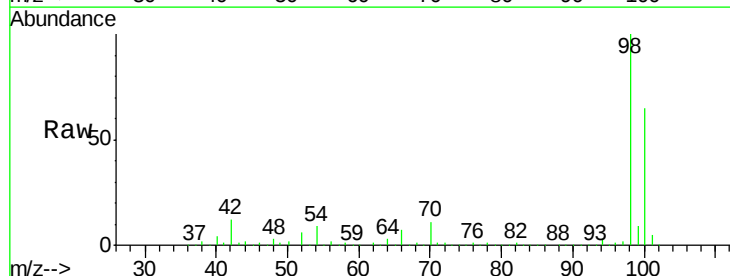


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

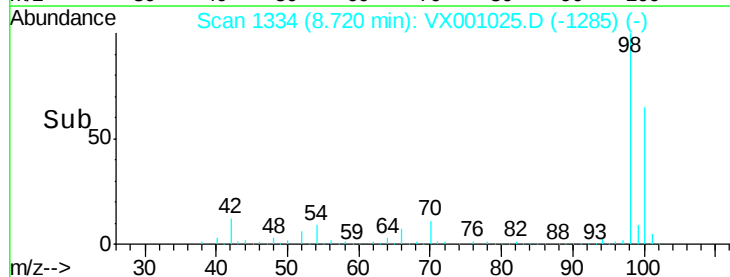
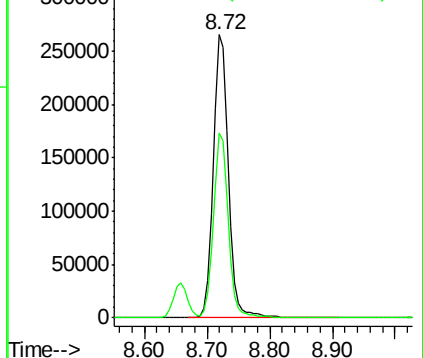


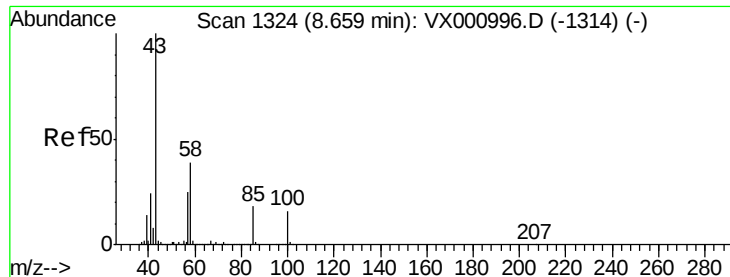
#50
Toluene-d8
Concen: 49.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 98 Resp: 441428
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 101.61 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

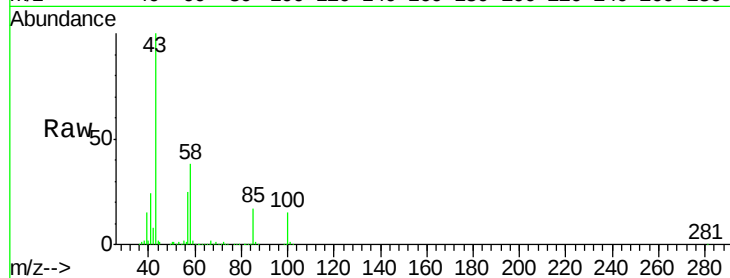
ClientSampleId :

Tot Ion: 43 Resp: 361800

Ion Ratio Lower Upper

43 100

58 36.4 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

250000

200000

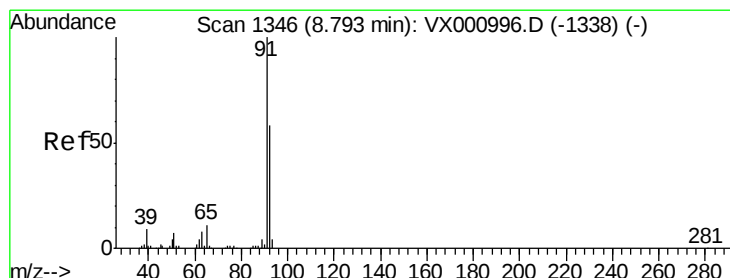
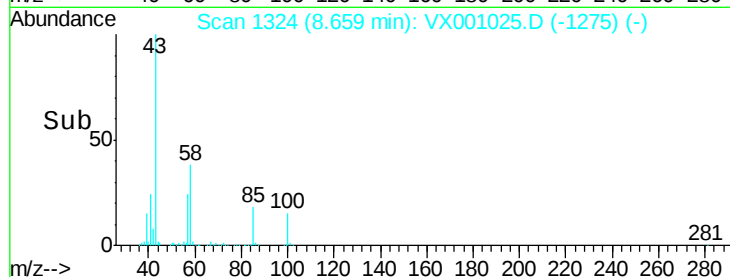
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.09 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001025.D

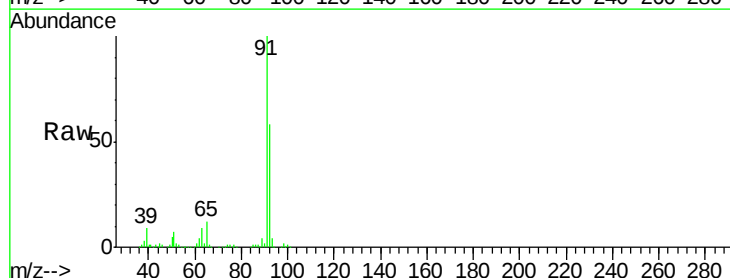
Acq: 20 Apr 2018 23:04

Tgt Ion: 92 Resp: 135834

Ion Ratio Lower Upper

92 100

91 173.8 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

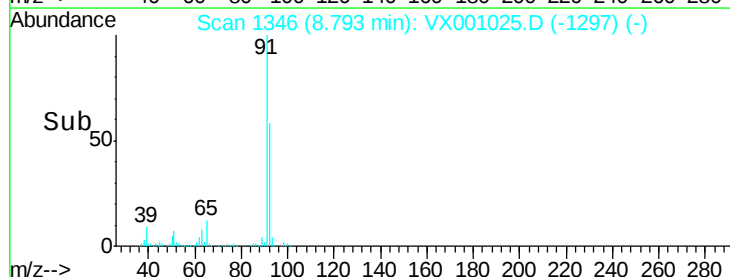
150000

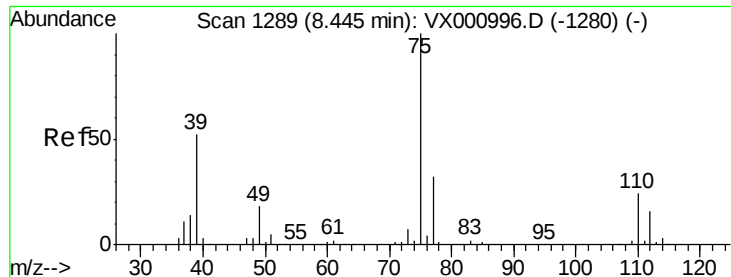
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.61 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

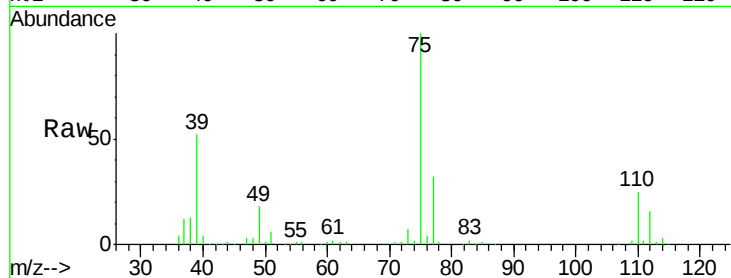
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 79062

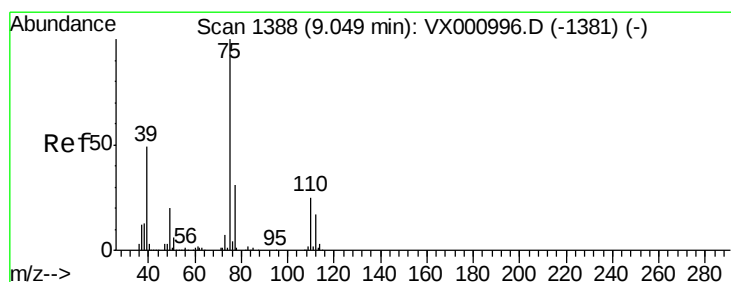
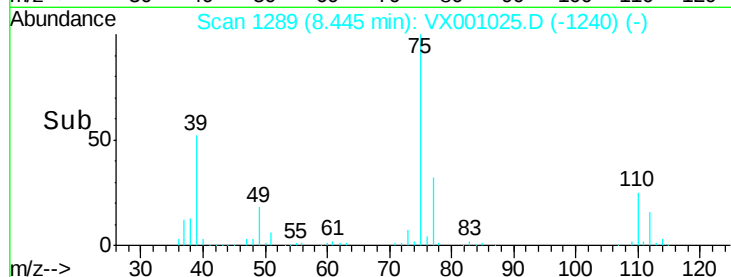
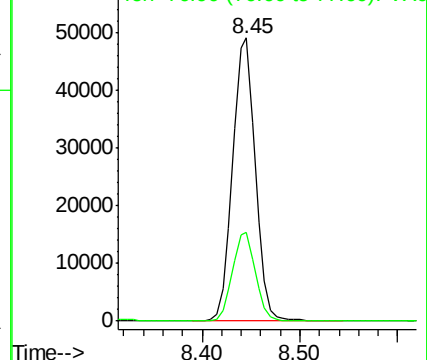
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.55 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

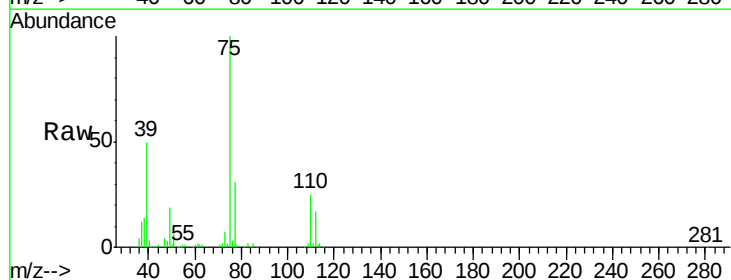
Tgt Ion: 75 Resp: 74346

Ion Ratio Lower Upper

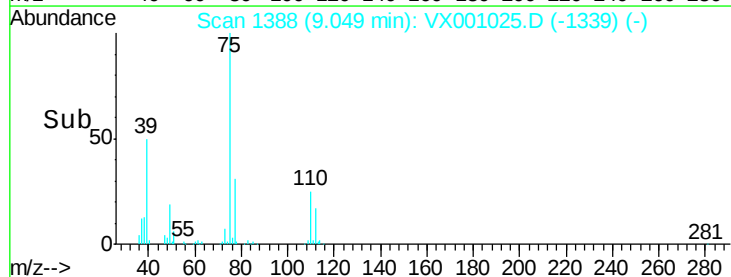
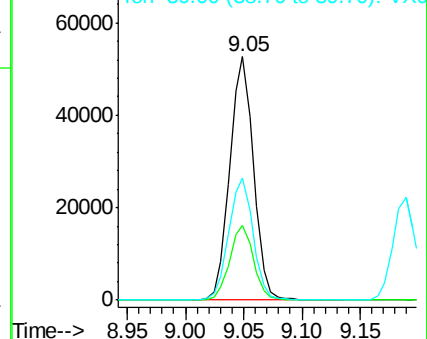
75 100

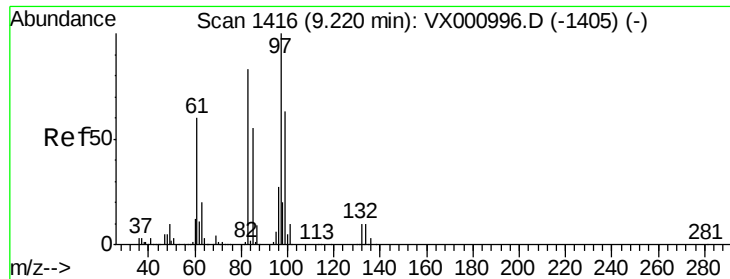
77 30.6 25.0 37.6

39 50.2 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.03 ug/l

RT: 9.22 min Scan# 1416

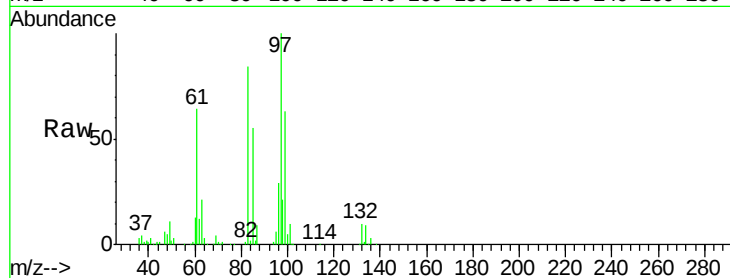
Delta R.T. 0.00 min

Lab File: VX001025.D

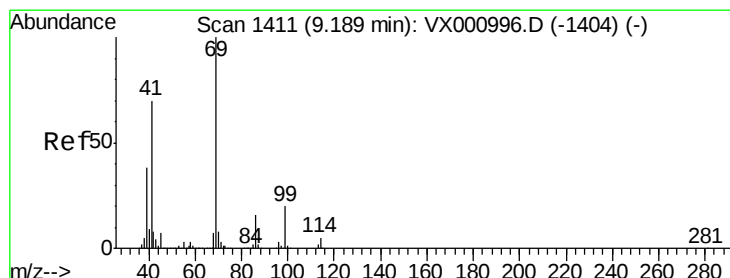
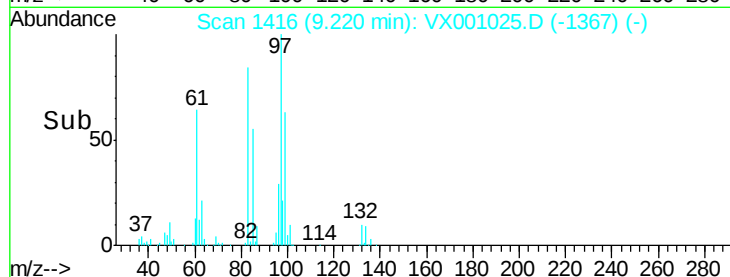
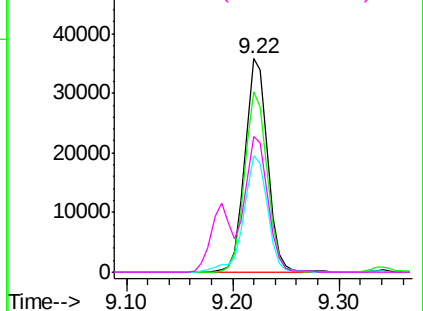
Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	53837
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.2	99.4
85	54.6	44.2	66.4
99	63.4	50.2	75.4



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



#56

Ethyl methacrylate

Concen: 20.05 ug/l

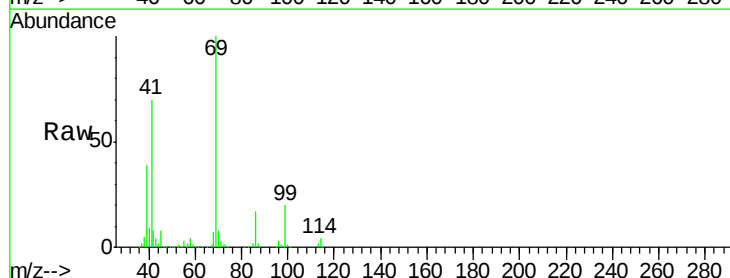
RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

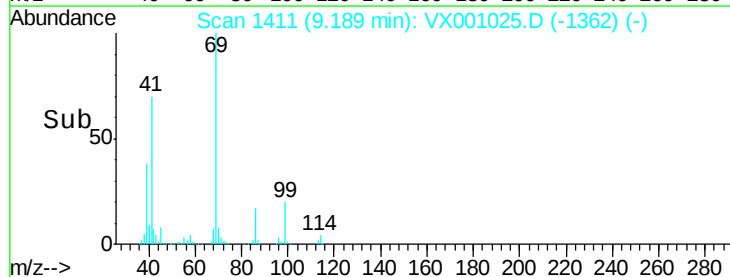
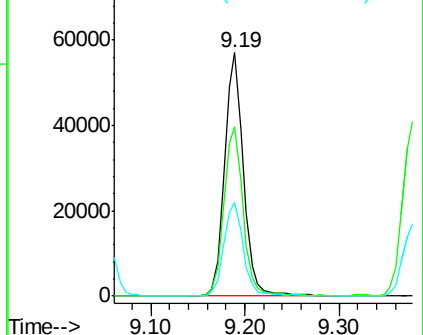
Lab File: VX001025.D

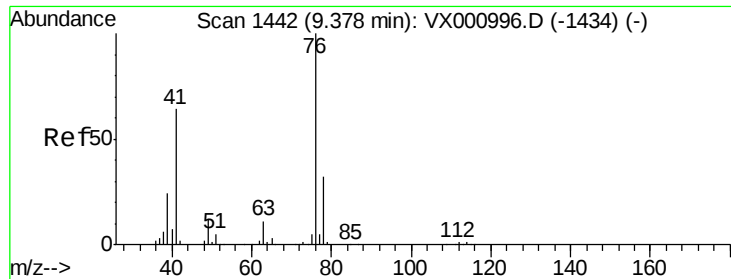
Acq: 20 Apr 2018 23:04

Tgt Ion:	69	Resp:	79147
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.3	84.5
39	39.6	30.4	45.6



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

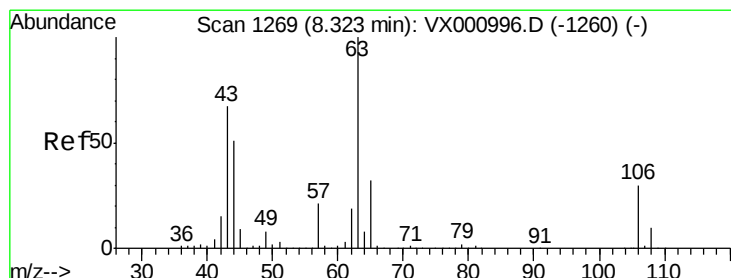
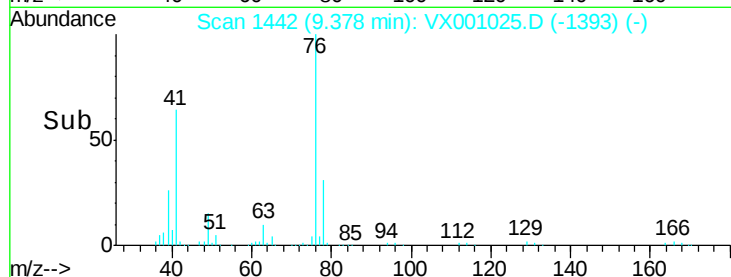
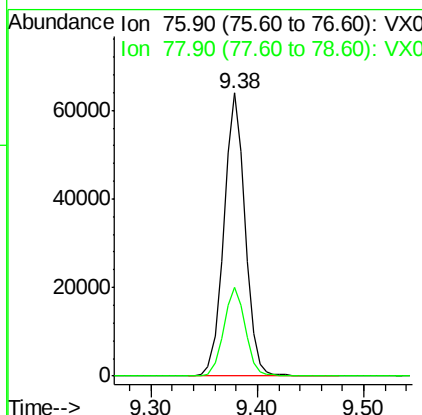
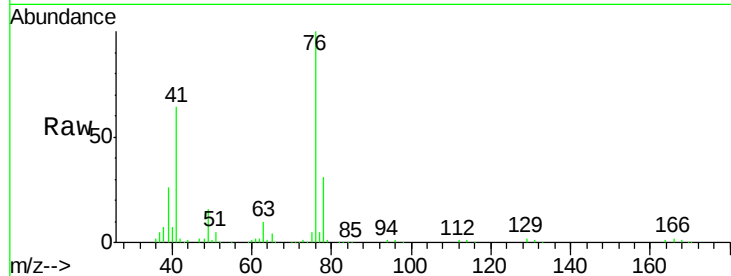




#57
 1,3-Dichloropropane
 Concen: 19.96 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

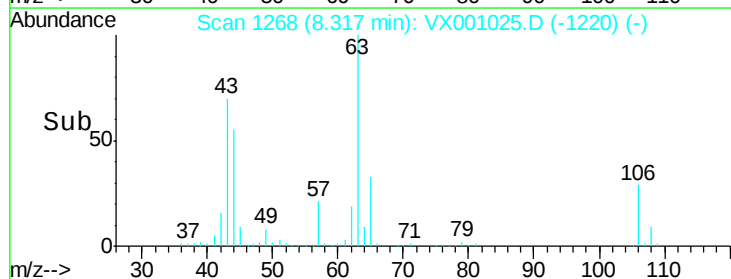
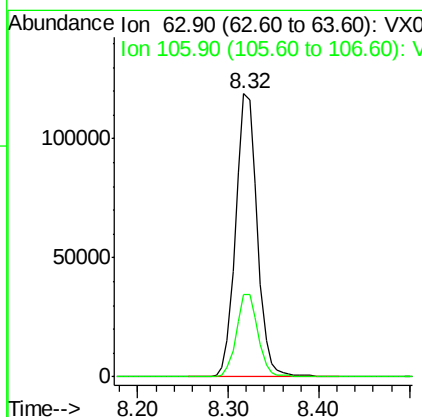
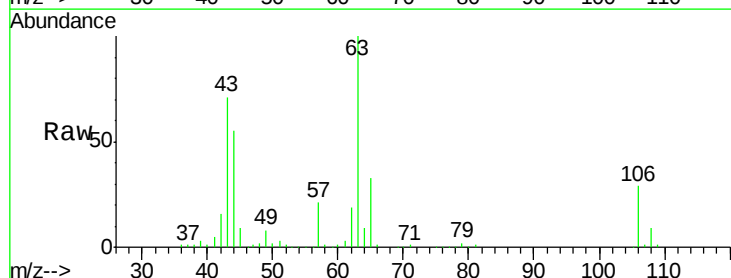
Instrument :
 MSVOA_X
 ClientSampleId :

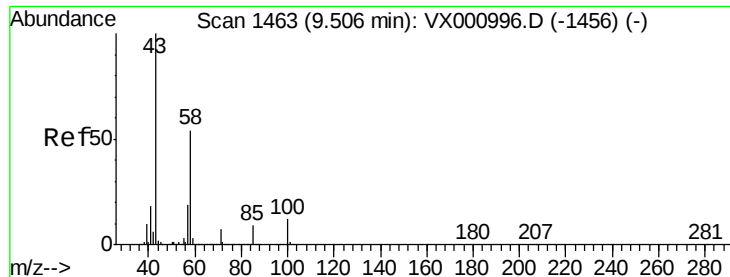
Tot Ion: 76 Resp: 88853
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.59 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Tgt Ion: 63 Resp: 195709
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6

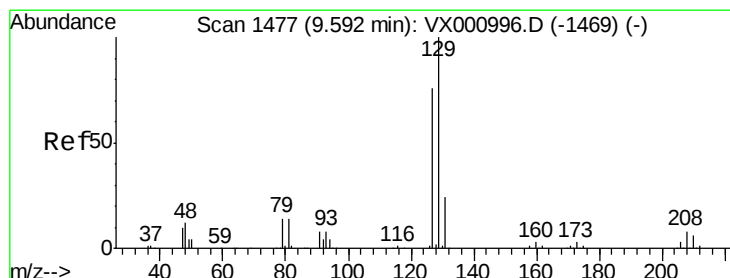
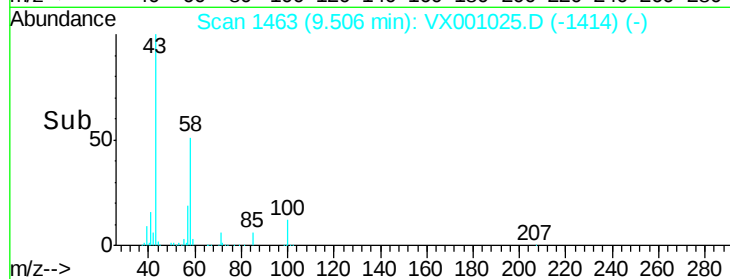
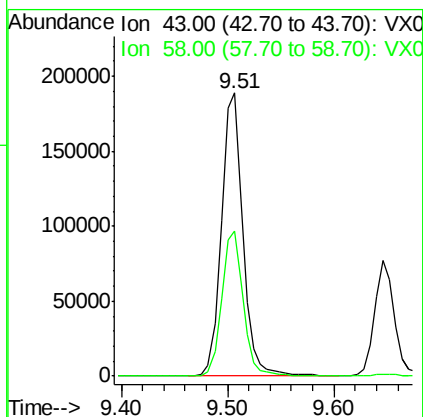
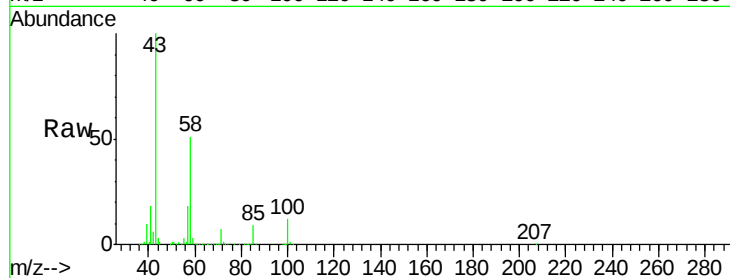




#59
2-Hexanone
Concen: 97.29 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

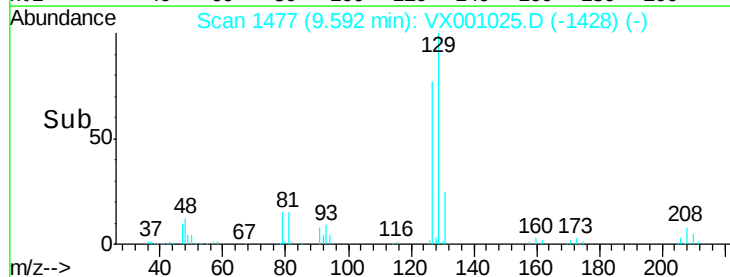
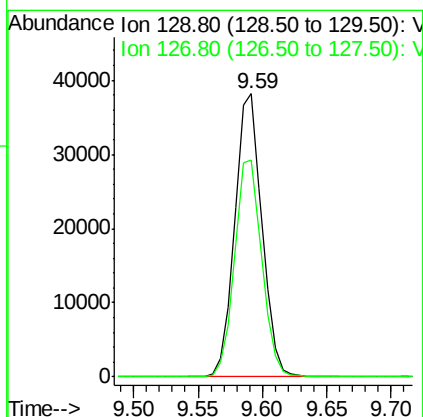
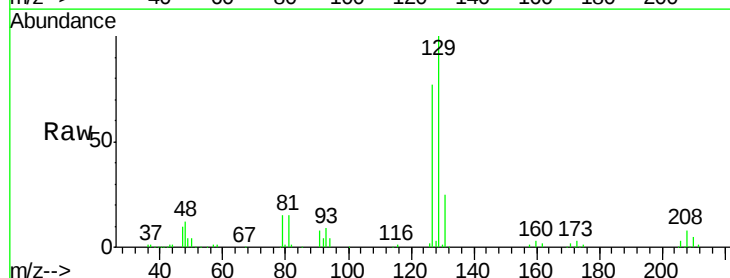
Instrument :
MSVOA_X
ClientSampleId :

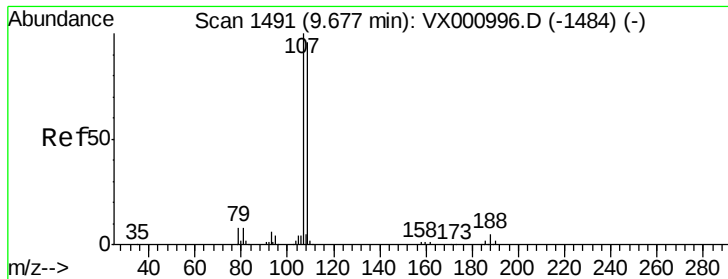
Tot Ion: 43 Resp: 265154
Ion Ratio Lower Upper
43 100
58 51.3 26.3 78.9



#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 129 Resp: 55883
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.29 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

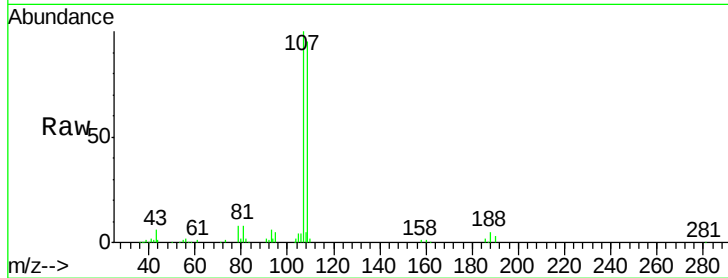
ClientSampleId :

Tot Ion:107 Resp: 57558

Ion Ratio Lower Upper

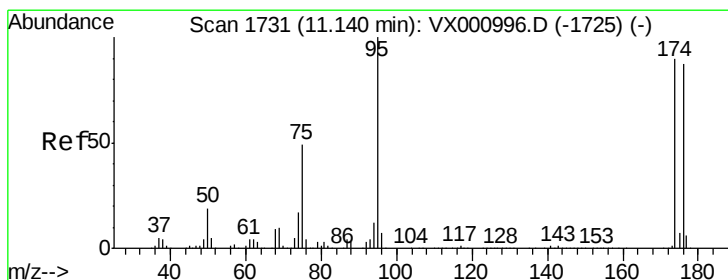
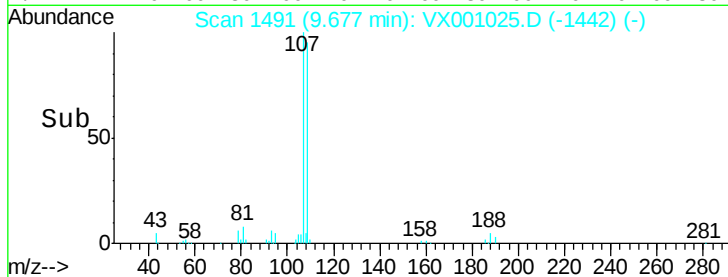
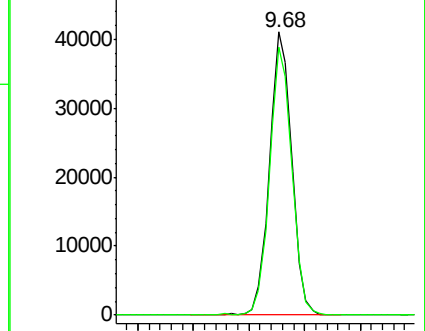
107 100

109 94.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

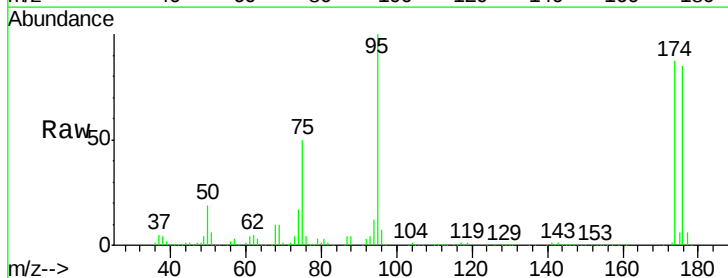
Tgt Ion: 95 Resp: 183139

Ion Ratio Lower Upper

95 100

174 96.9 0.0 198.4

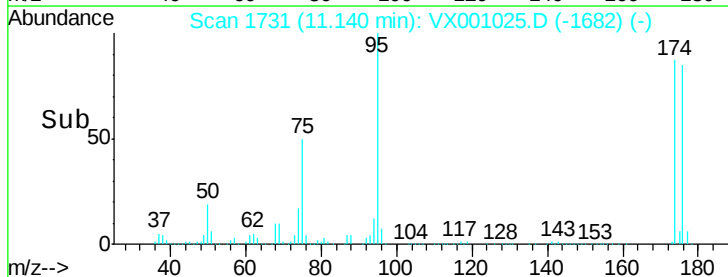
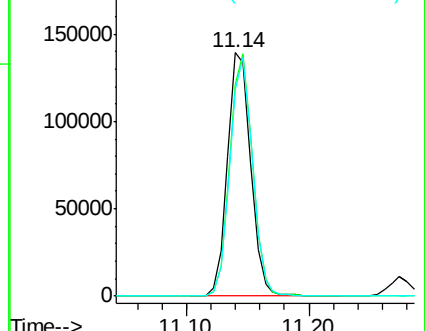
176 95.1 0.0 192.0

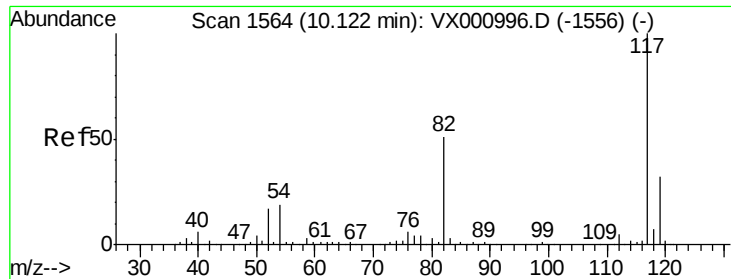


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

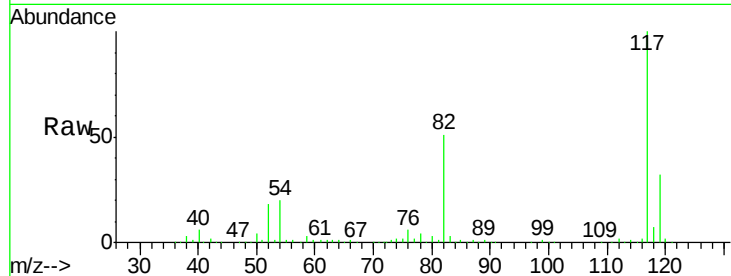




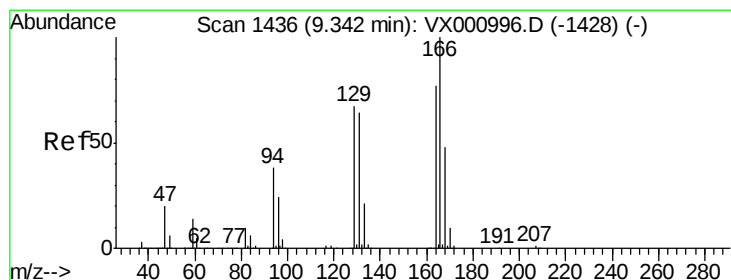
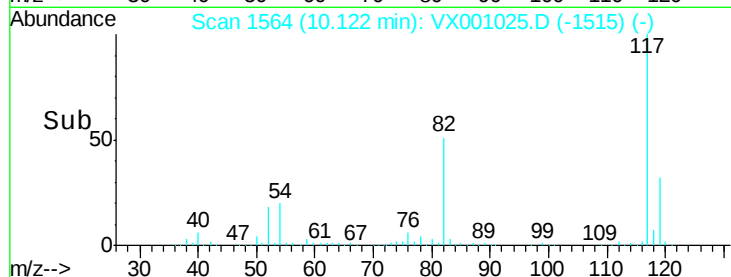
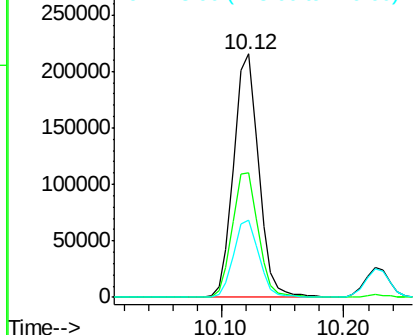
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 304699
Ion Ratio Lower Upper
117 100
82 51.3 40.6 60.8
119 31.8 26.0 39.0

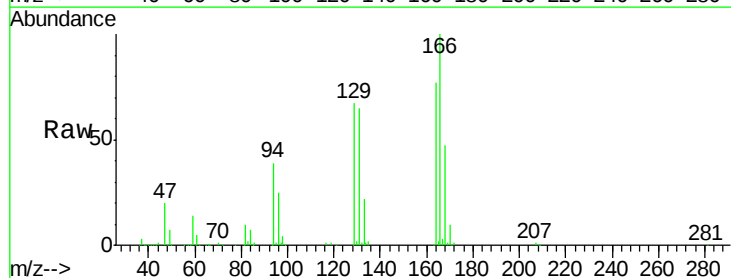


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

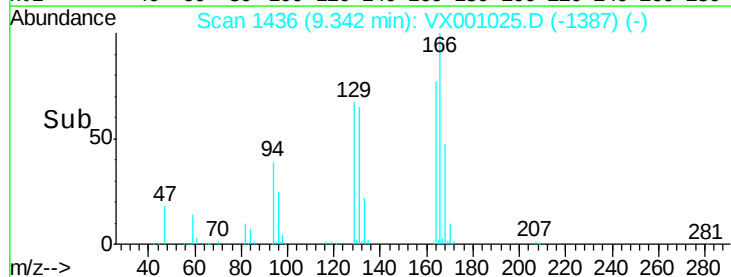
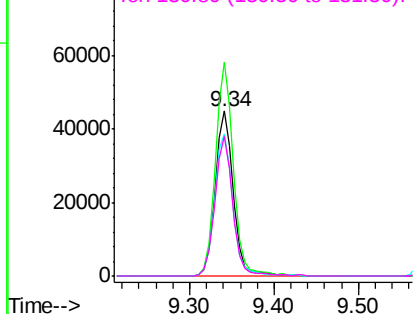


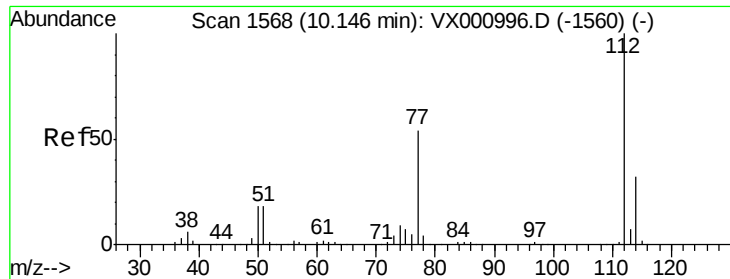
#64
Tetrachloroethene
Concen: 20.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion:164 Resp: 66758
Ion Ratio Lower Upper
164 100
166 129.5 103.5 155.3
129 86.4 69.6 104.4
131 84.6 65.8 98.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.69 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

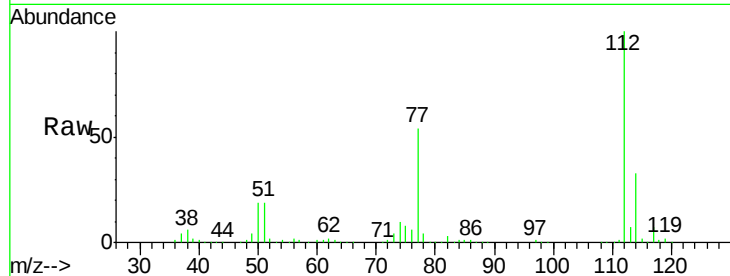
ClientSampleId :

Tot Ion:112 Resp: 159754

Ion Ratio Lower Upper

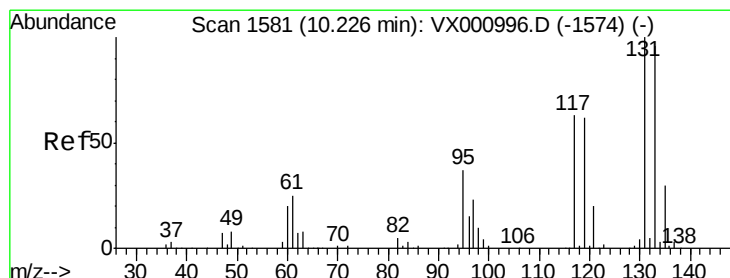
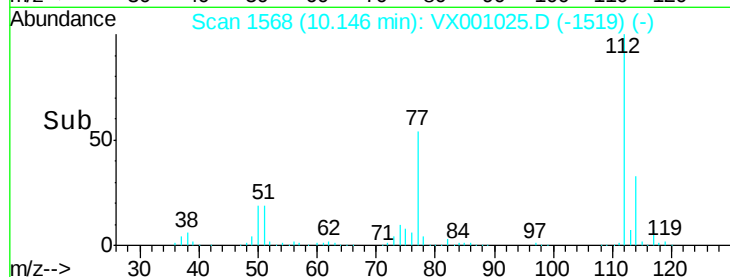
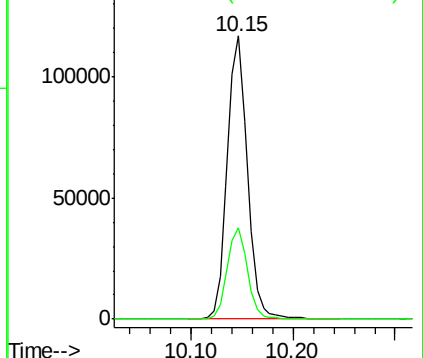
112 100

114 32.5 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.19 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

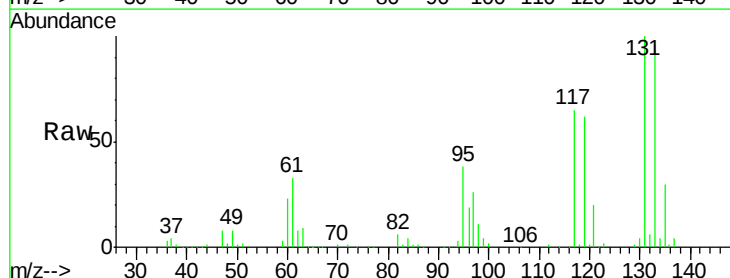
Tgt Ion:131 Resp: 56231

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.8

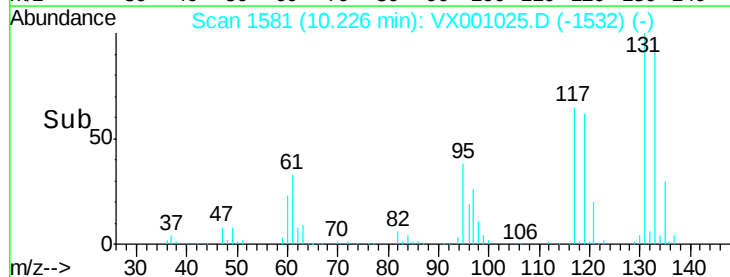
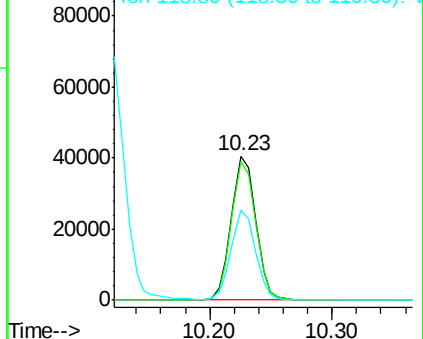
119 62.1 31.1 93.2

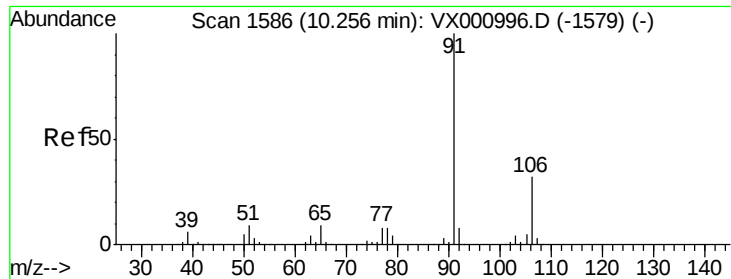


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

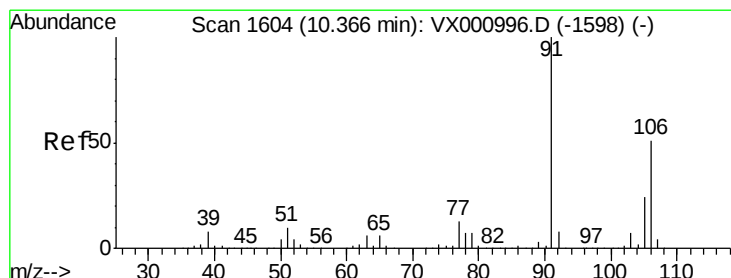
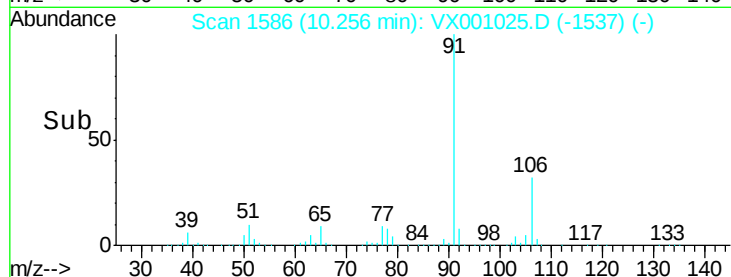
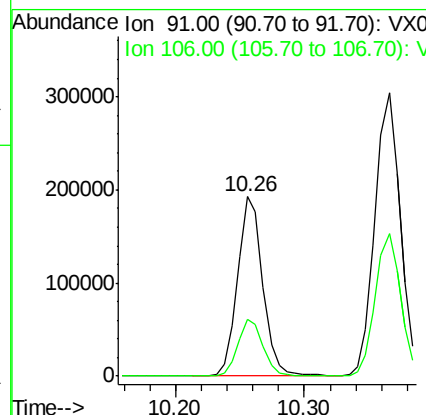
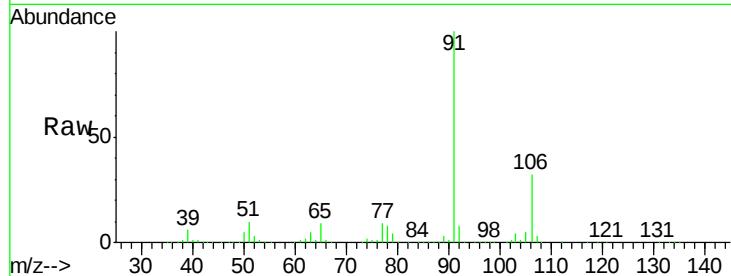




#67
Ethyl Benzene
Concen: 19.65 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

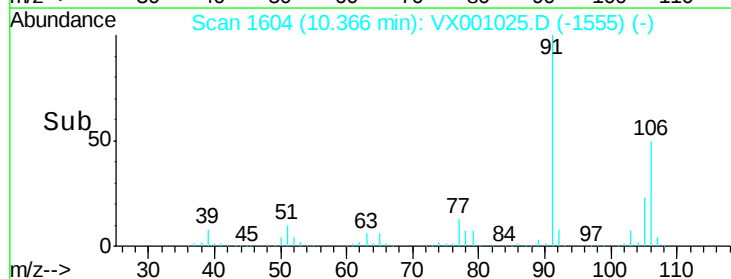
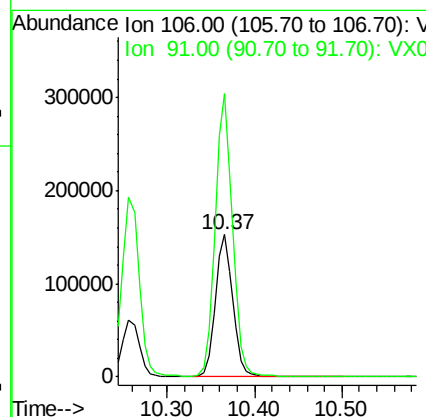
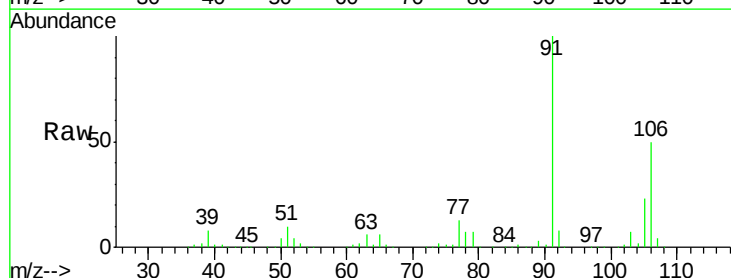
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 264728
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#68
m/p-Xylenes
Concen: 39.75 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion: 106 Resp: 211105
Ion Ratio Lower Upper
106 100
91 198.9 159.3 238.9

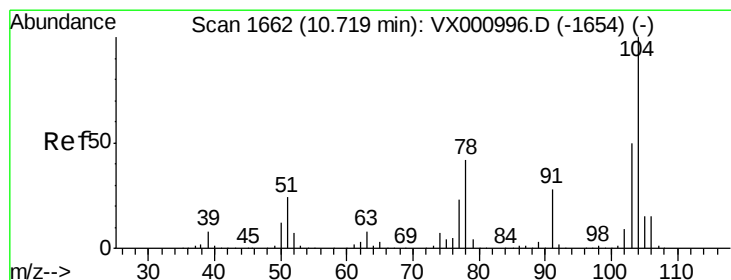
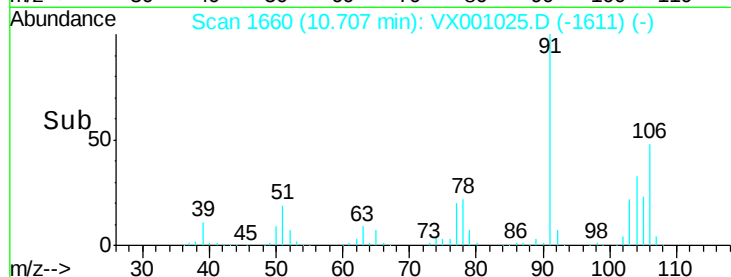
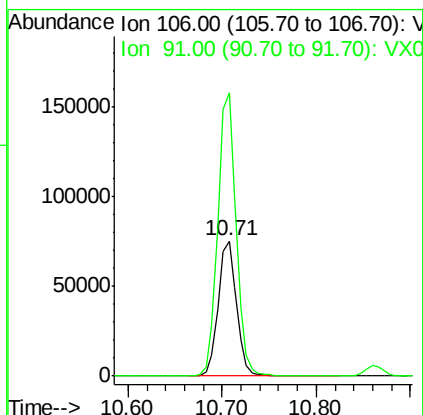
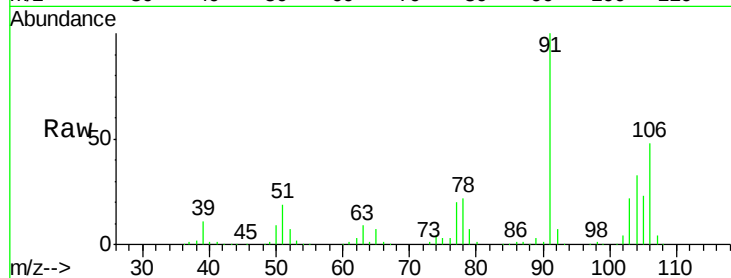




#69
o-Xylene
Concen: 19.86 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

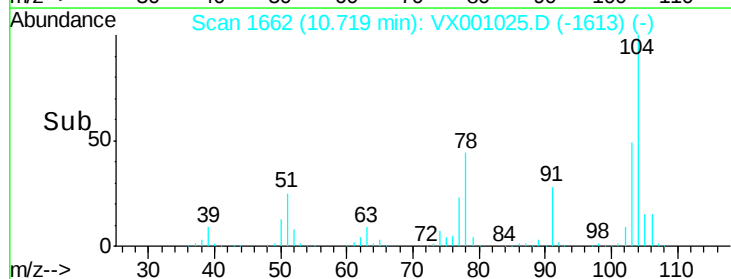
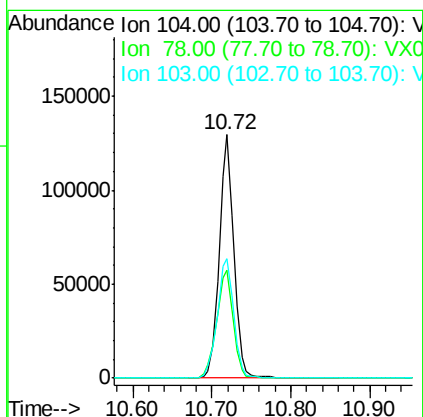
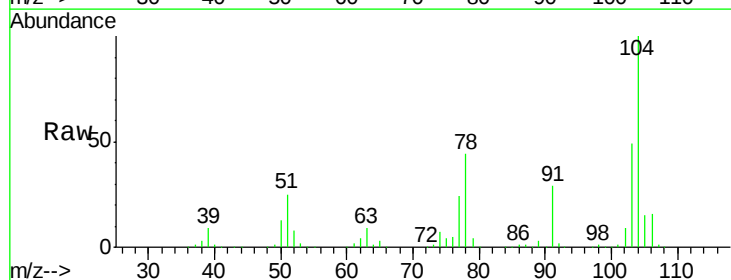
Instrument :
MSVOA_X
ClientSampleId :

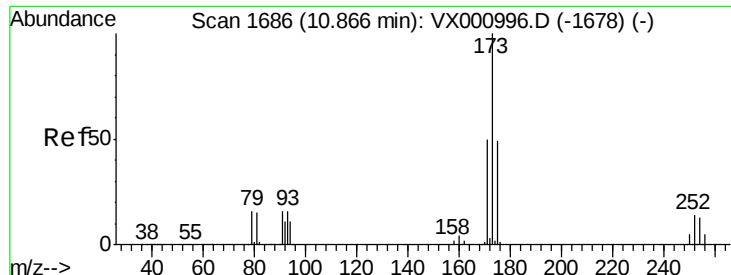
Tot Ion:106 Resp: 101689
Ion Ratio Lower Upper
106 100
91 210.8 105.1 315.1



#70
Styrene
Concen: 19.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion:104 Resp: 167143
Ion Ratio Lower Upper
104 100
78 50.8 39.4 59.2
103 55.8 44.2 66.2

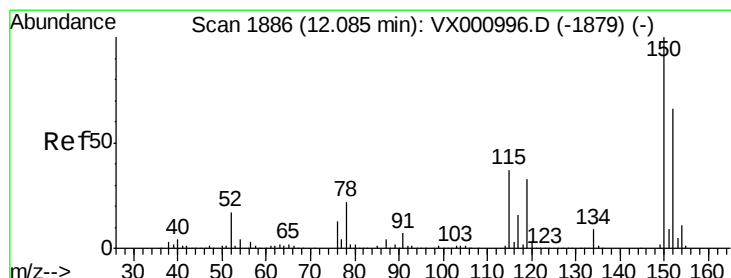
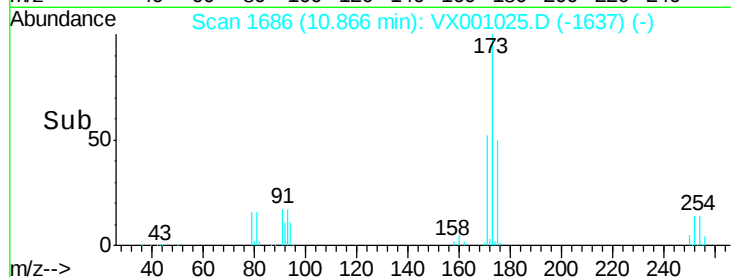
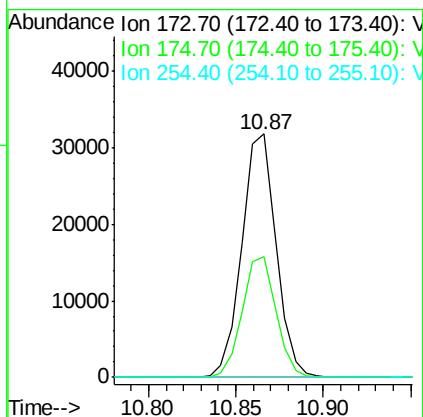
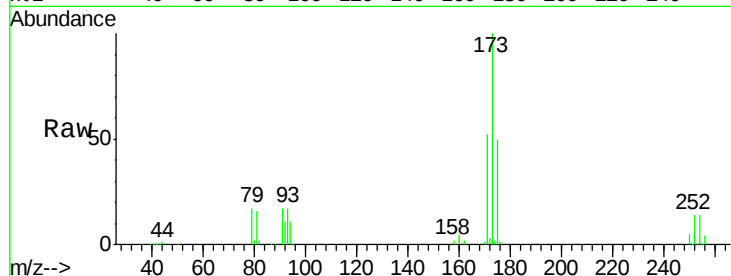




#71
Bromoform
Concen: 18.53 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

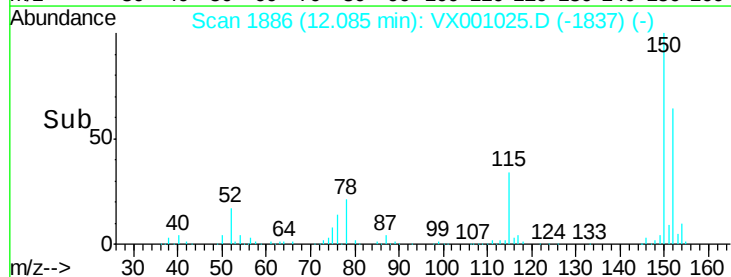
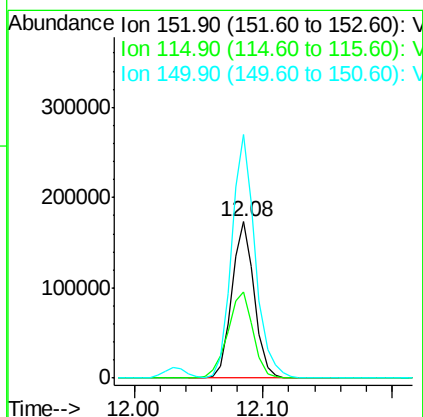
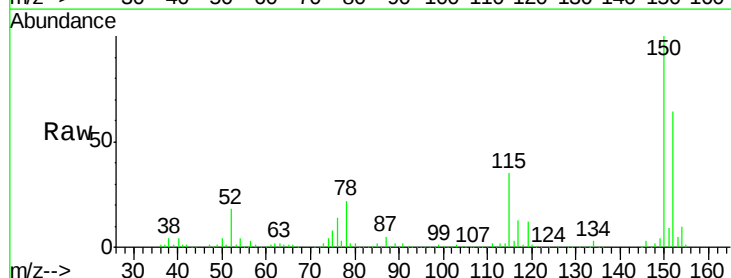
Instrument :
MSVOA_X
ClientSampleId :

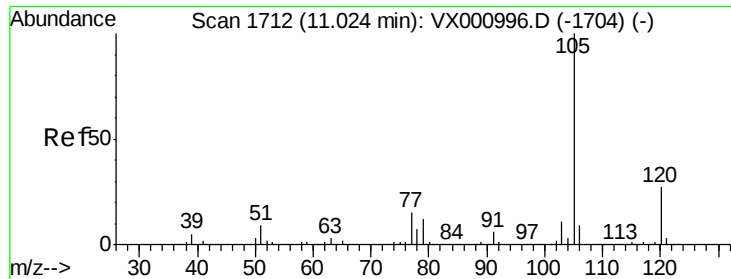
Tot Ion:173 Resp: 43349
Ion Ratio Lower Upper
173 100
175 49.0 24.8 74.3
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion:152 Resp: 209295
Ion Ratio Lower Upper
152 100
115 63.0 38.2 114.6
150 163.7 0.0 350.4





#73

Isopropylbenzene

Concen: 19.84 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

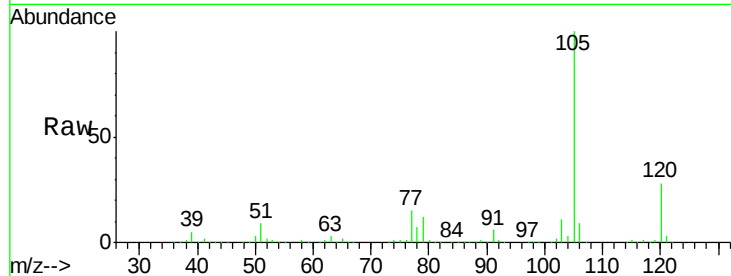
ClientSampleId :

Tot Ion:105 Resp: 271420

Ion Ratio Lower Upper

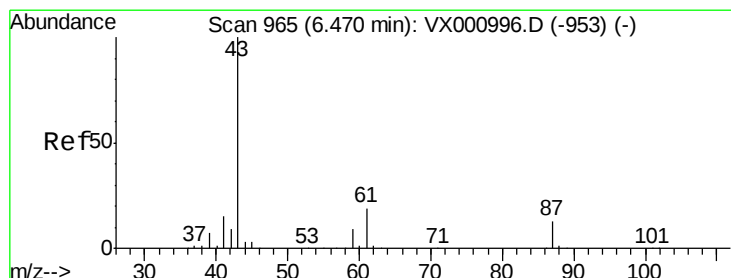
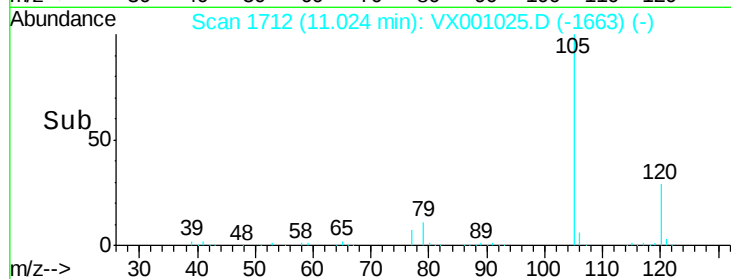
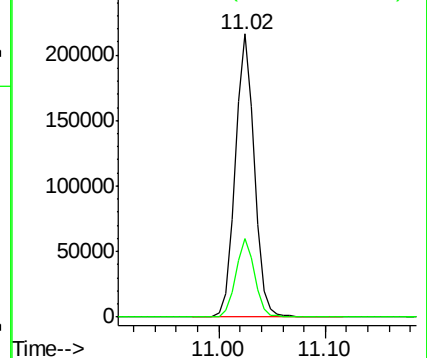
105 100

120 27.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.50 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Tgt Ion: 43 Resp: 114114

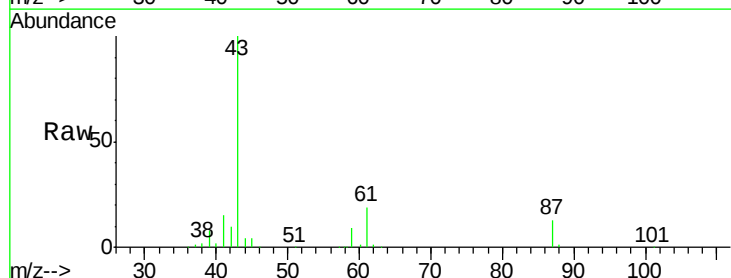
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 18.8 15.4 23.2

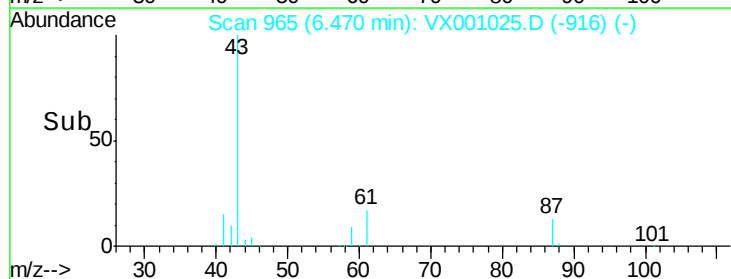
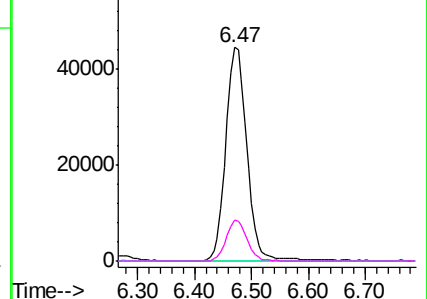


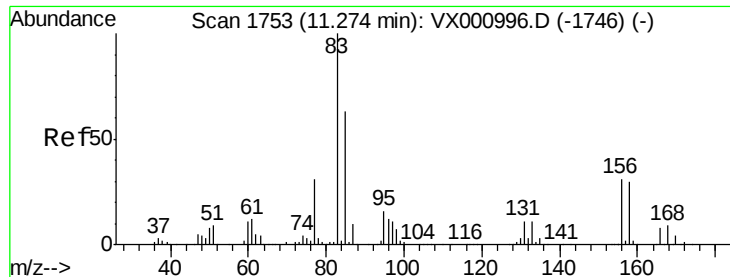
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.06 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

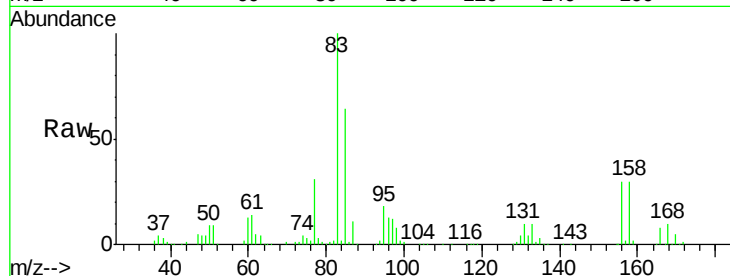
Tot Ion: 83 Resp: 77706

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.4

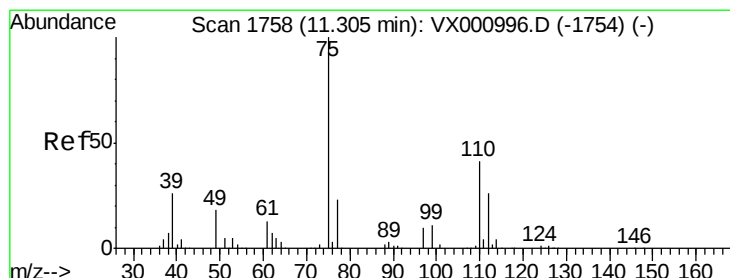
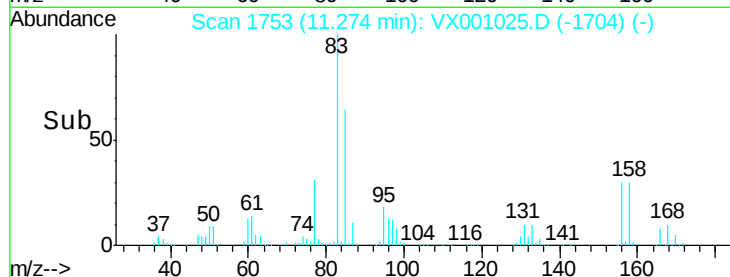
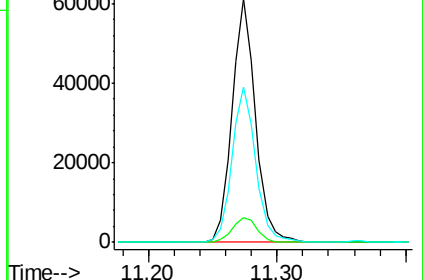
85 64.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.24 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001025.D

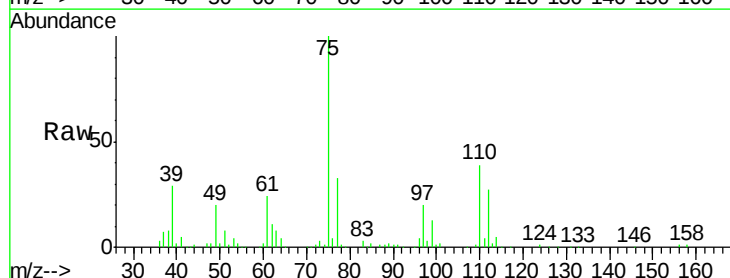
Acq: 20 Apr 2018 23:04

Tgt Ion: 75 Resp: 84395

Ion Ratio Lower Upper

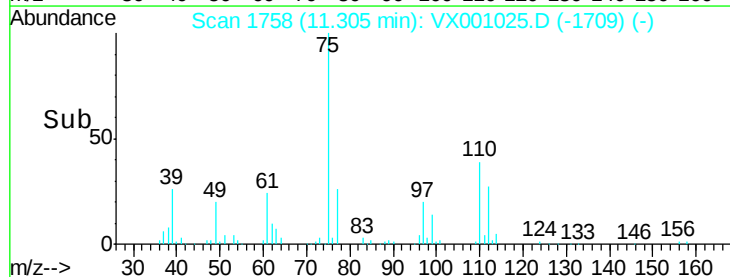
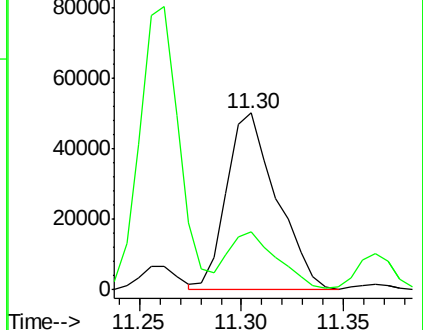
75 100

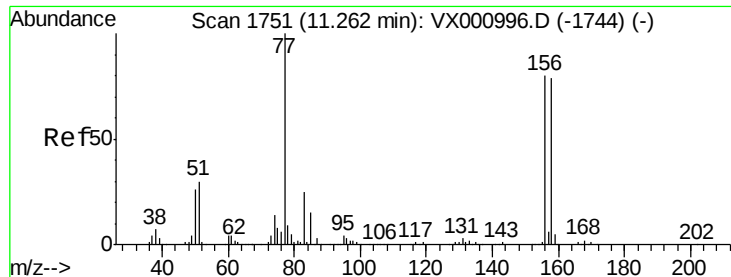
77 32.3 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.86 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

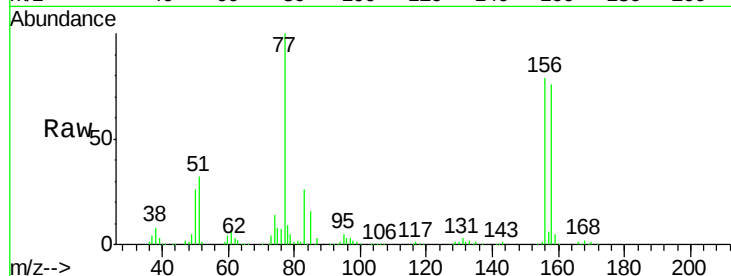
Tot Ion:156 Resp: 78873

Ion Ratio Lower Upper

156 100

77 136.1 66.3 199.0

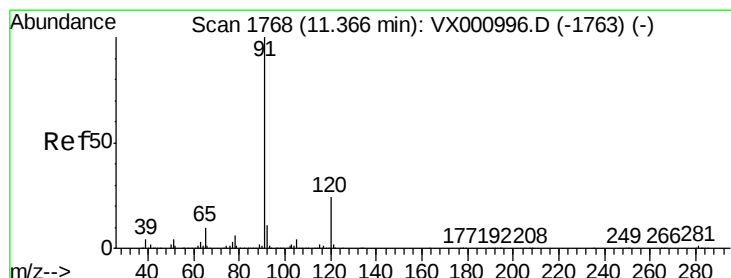
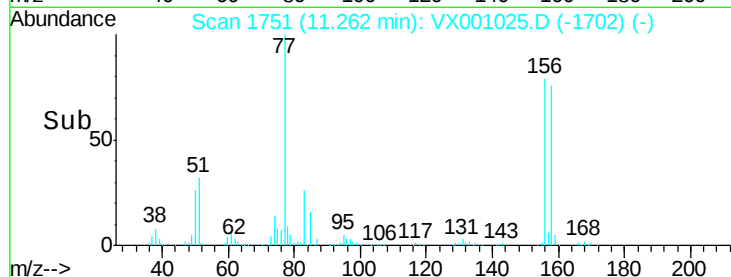
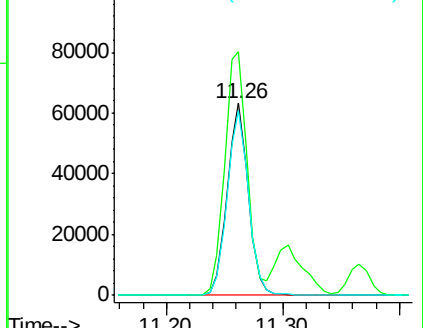
158 98.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.76 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001025.D

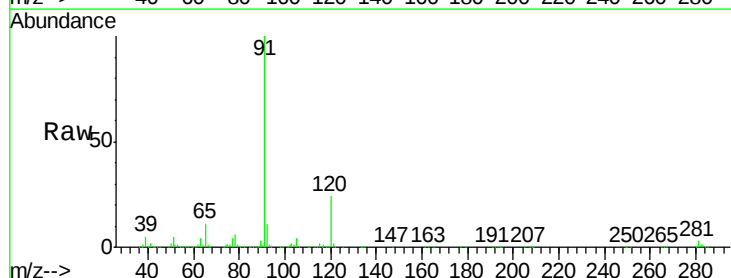
Acq: 20 Apr 2018 23:04

Tgt Ion: 91 Resp: 310461

Ion Ratio Lower Upper

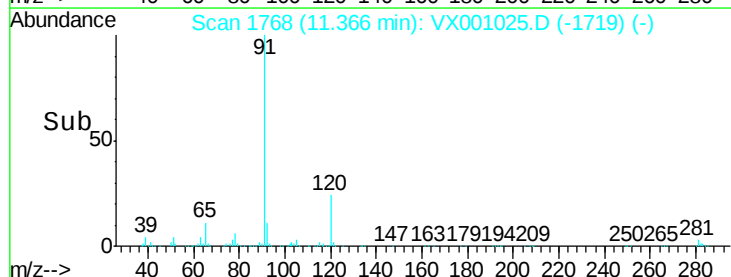
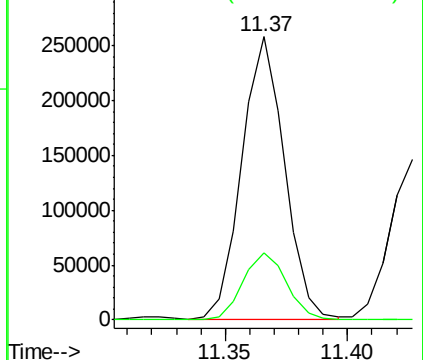
91 100

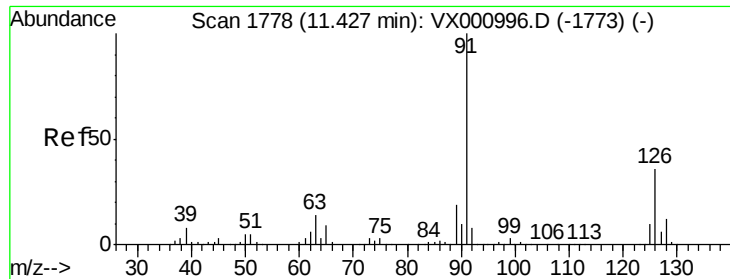
120 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.83 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

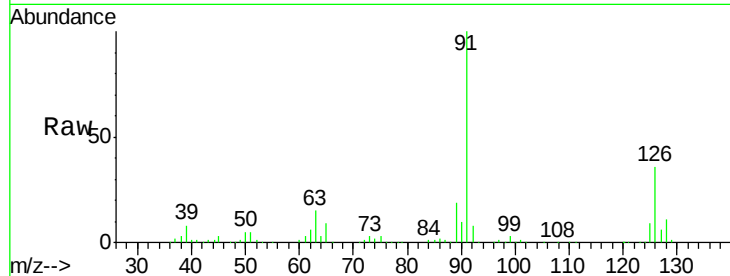
ClientSampleId :

Tot Ion: 91 Resp: 184040

Ion Ratio Lower Upper

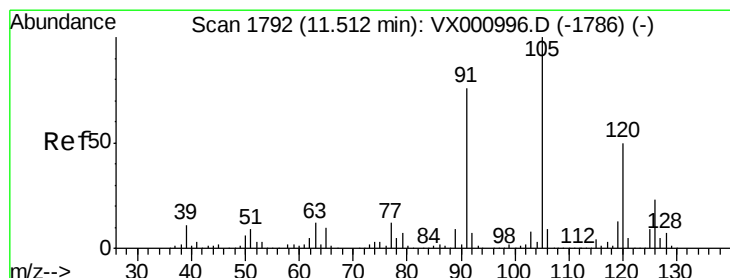
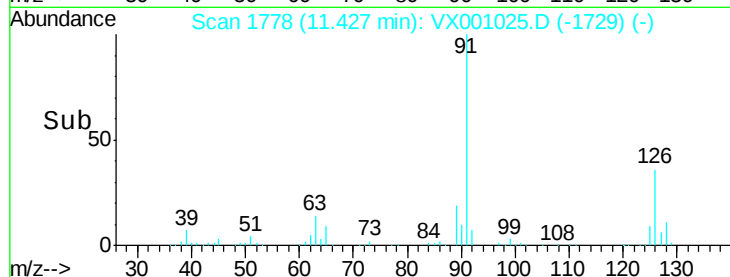
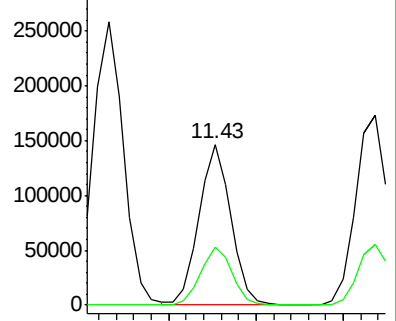
91 100

126 36.3 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VX000996.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000996.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.98 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001025.D

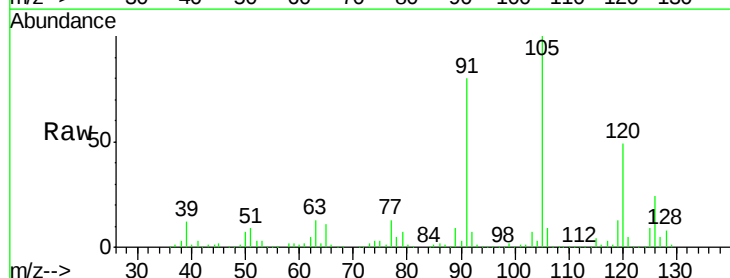
Acq: 20 Apr 2018 23:04

Tgt Ion: 105 Resp: 231705

Ion Ratio Lower Upper

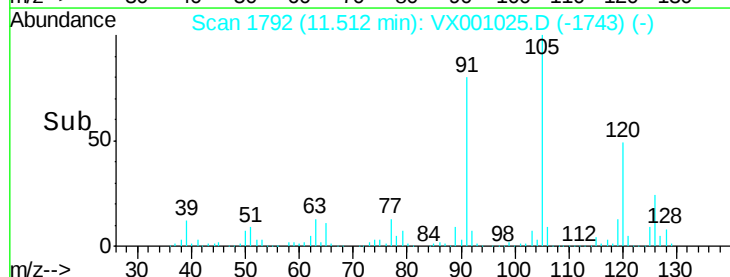
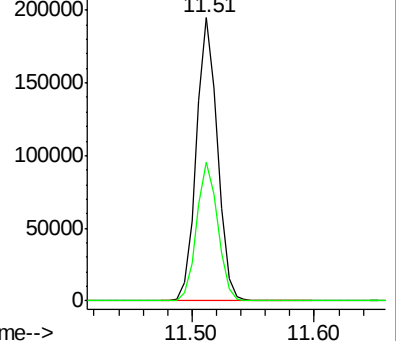
105 100

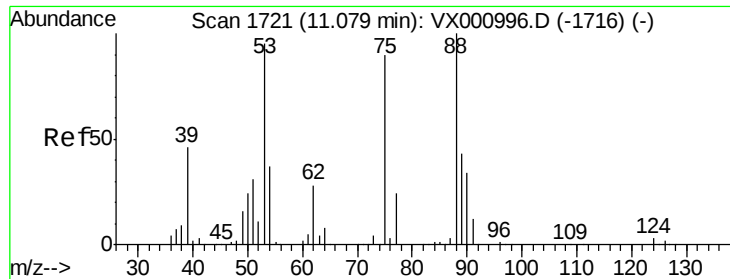
120 49.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000996.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000996.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.82 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

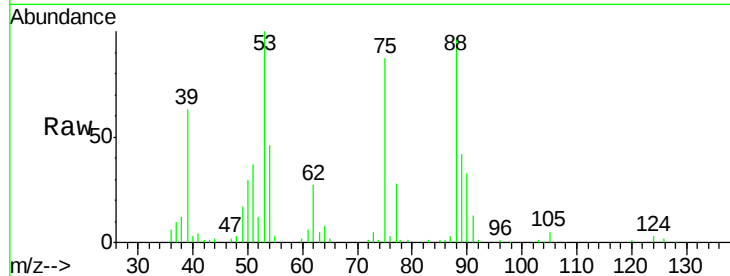
Tot Ion: 75 Resp: 17175

Ion Ratio Lower Upper

75 100

53 116.4 83.4 125.2

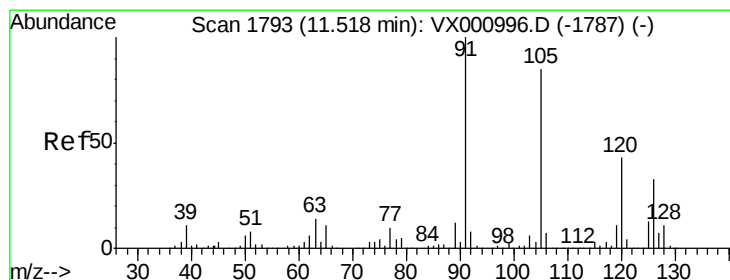
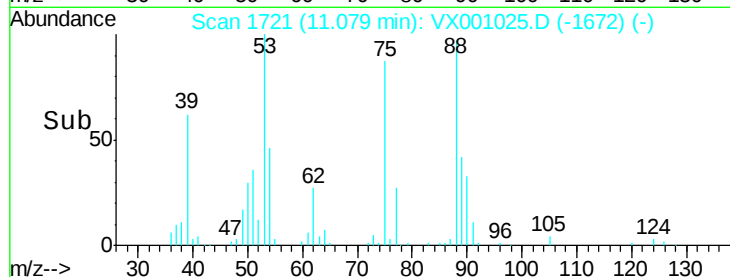
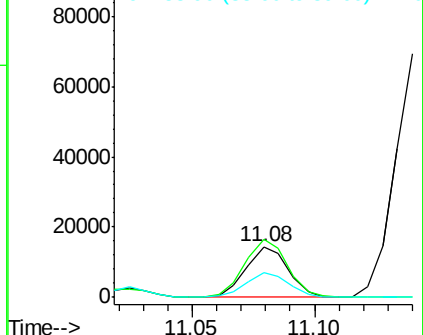
89 49.3 39.7 59.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.83 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001025.D

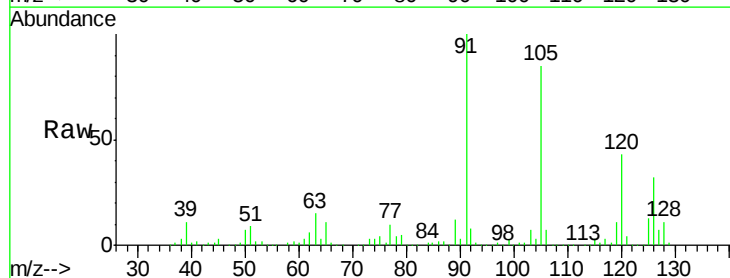
Acq: 20 Apr 2018 23:04

Tgt Ion: 91 Resp: 222408

Ion Ratio Lower Upper

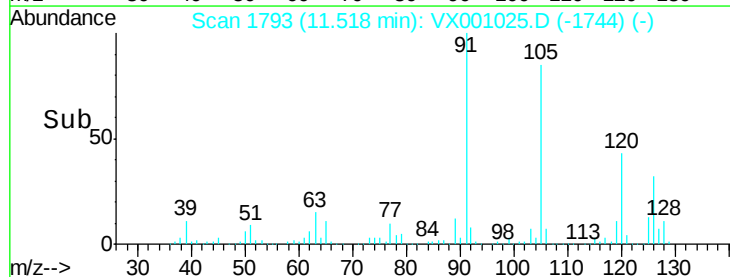
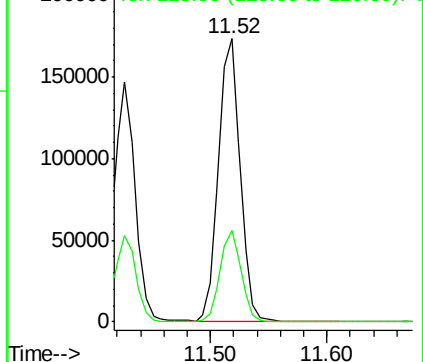
91 100

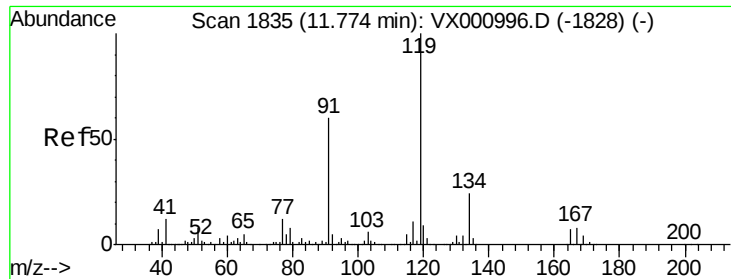
126 31.5 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

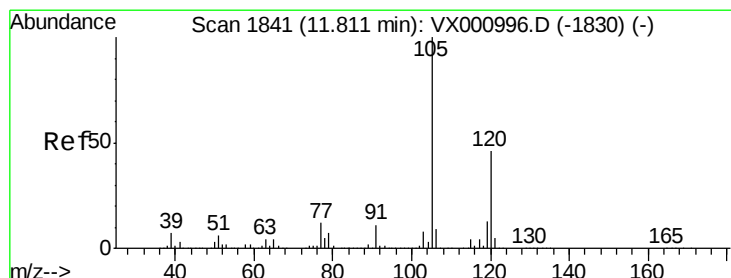
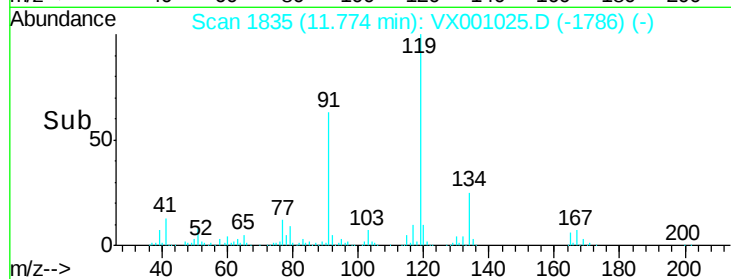
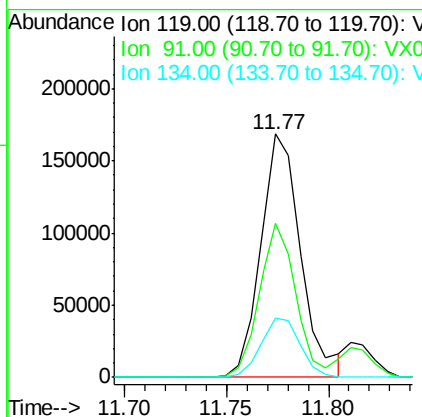
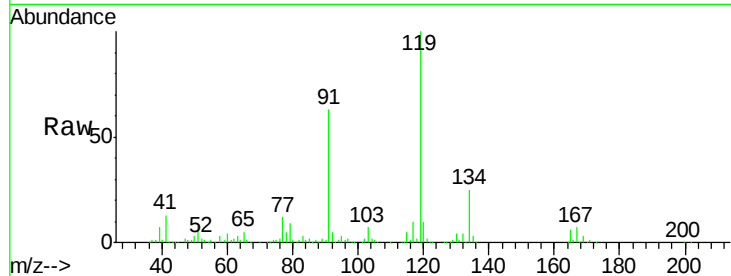




#83
 tert-Butylbenzene
 Concen: 19.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

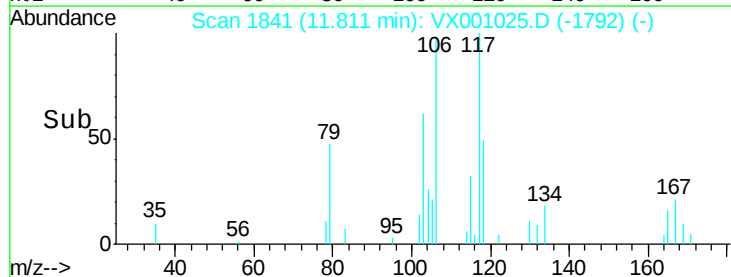
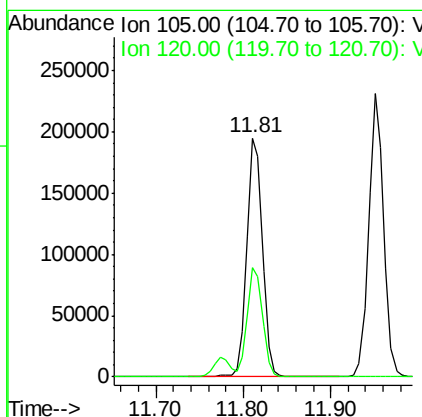
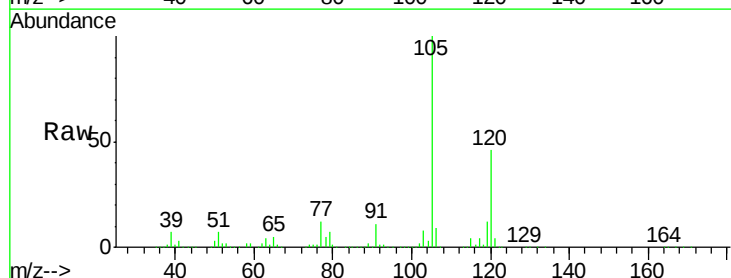
Instrument :
 MSVOA_X
 ClientSampleID :

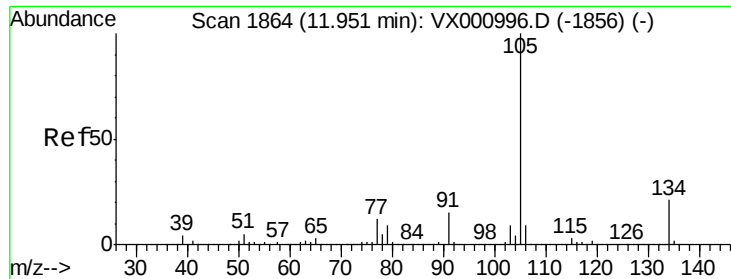
Tot Ion:119 Resp: 229929
 Ion Ratio Lower Upper
 119 100
 91 57.6 27.0 81.0
 134 24.0 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.12 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Tgt Ion:105 Resp: 240132
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.82 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

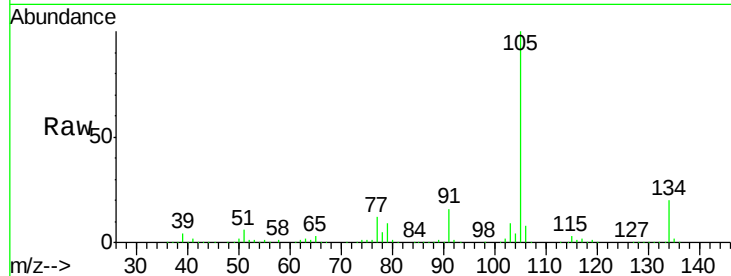
ClientSampled :

Tot Ion:105 Resp: 276754

Ion Ratio Lower Upper

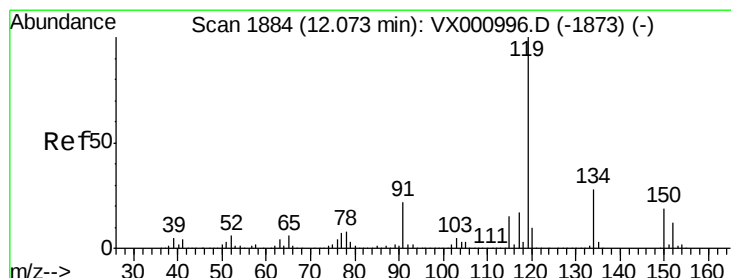
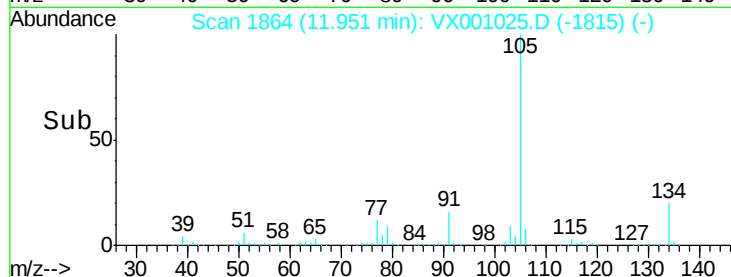
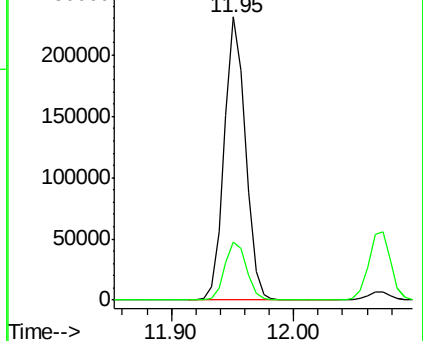
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.73 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

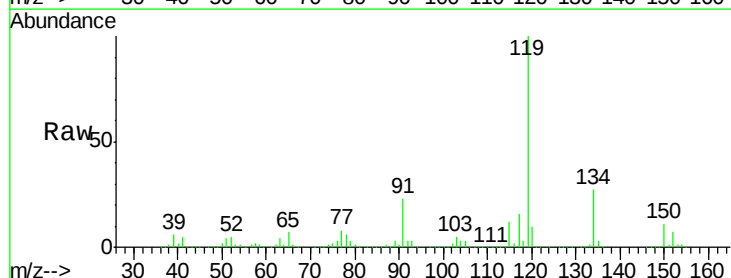
Tgt Ion:119 Resp: 254919

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

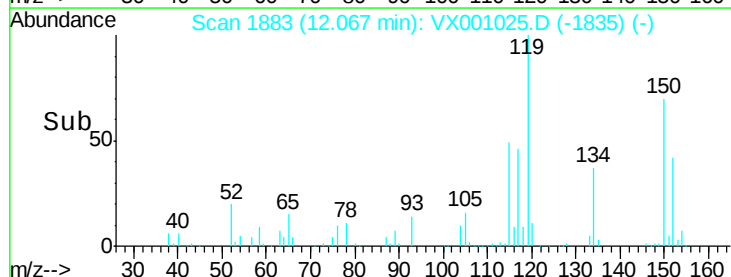
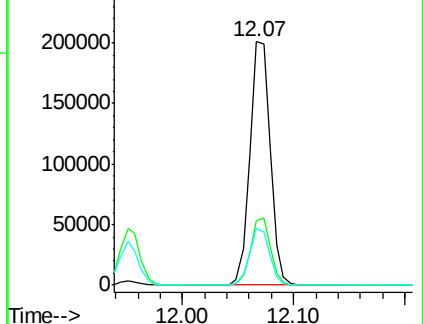
91 23.0 11.4 34.1

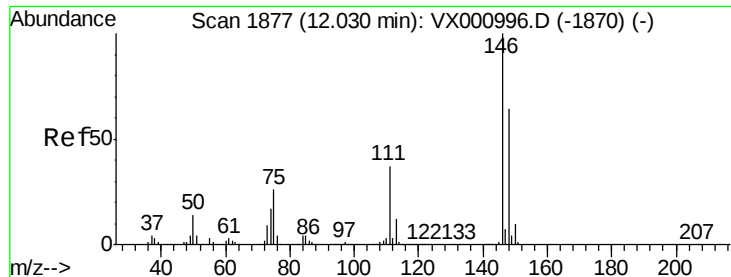


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.59 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

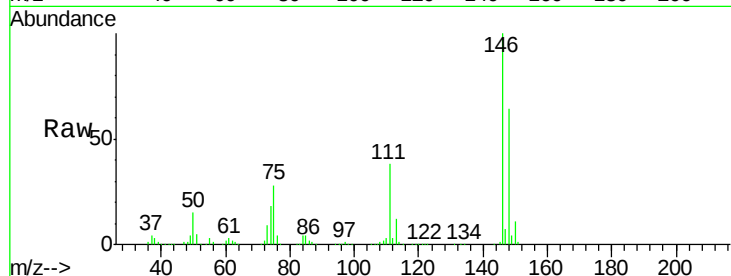
Tot Ion:146 Resp: 145686

Ion Ratio Lower Upper

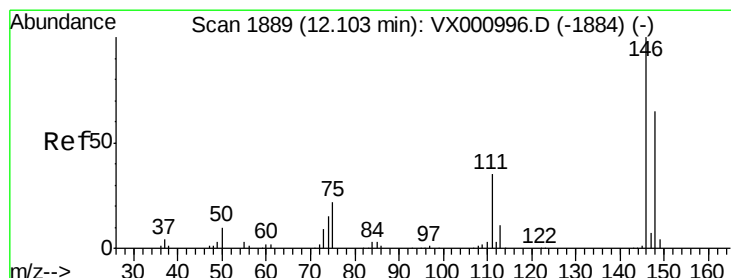
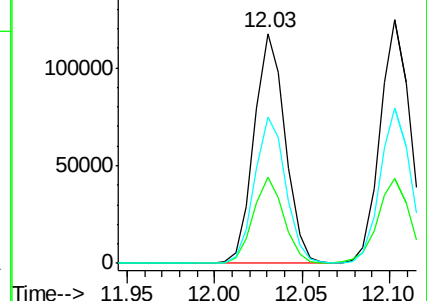
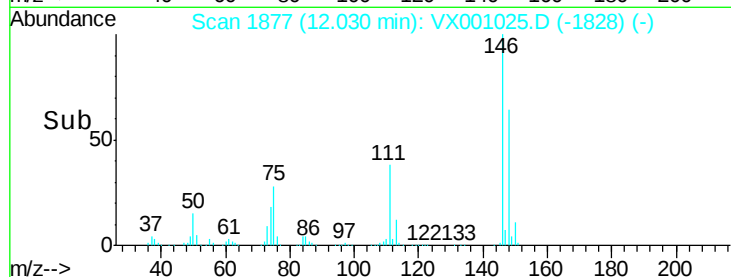
146 100

111 36.8 18.3 54.8

148 63.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.63 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

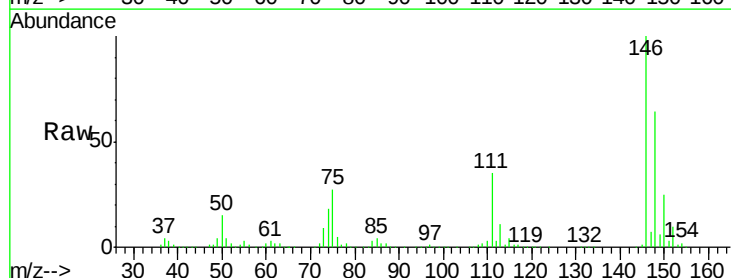
Tgt Ion:146 Resp: 149850

Ion Ratio Lower Upper

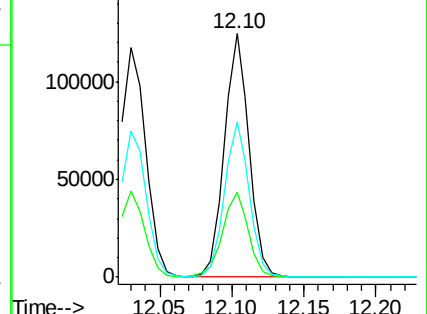
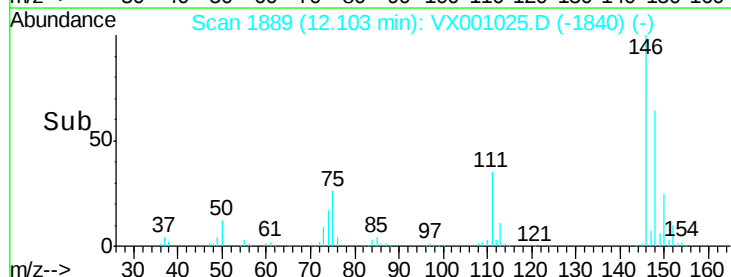
146 100

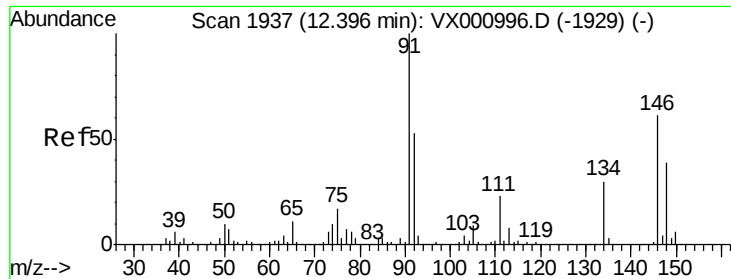
111 36.8 18.0 54.0

148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.23 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampled :

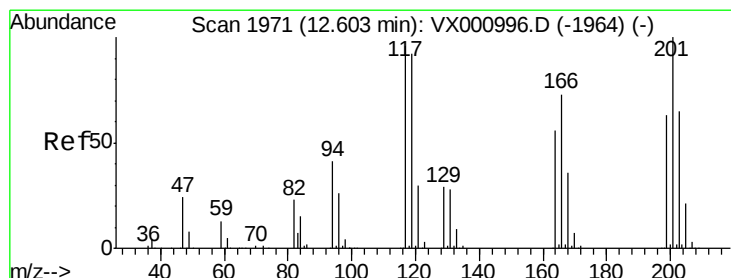
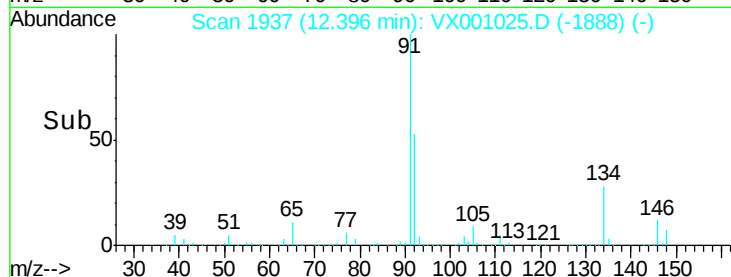
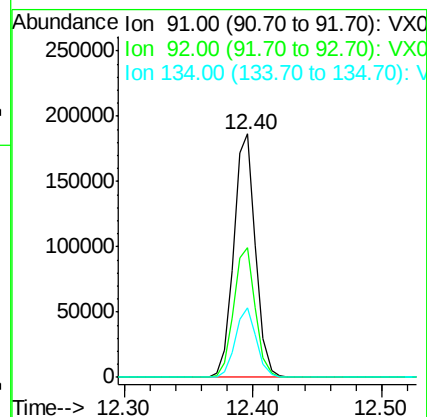
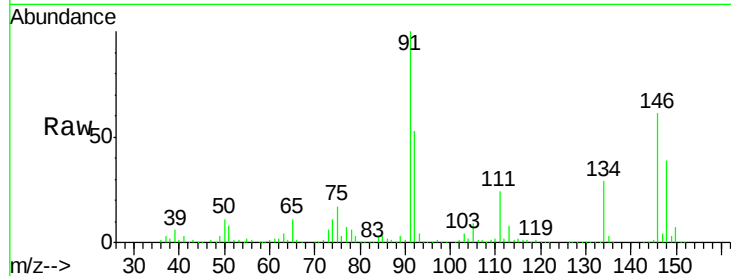
Tot Ion: 91 Resp: 221067

Ion Ratio Lower Upper

91 100

92 53.3 26.3 78.9

134 27.9 14.4 43.0



#90

Hexachloroethane

Concen: 19.05 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001025.D

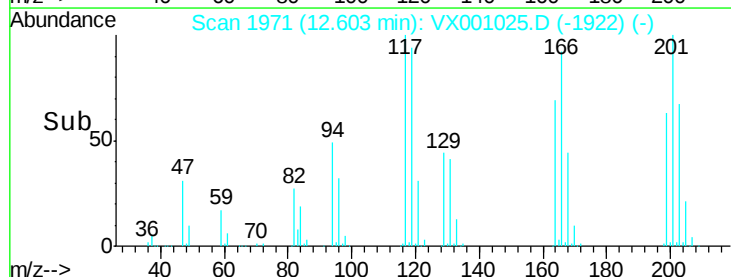
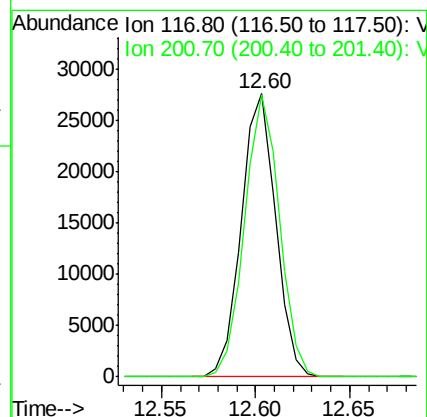
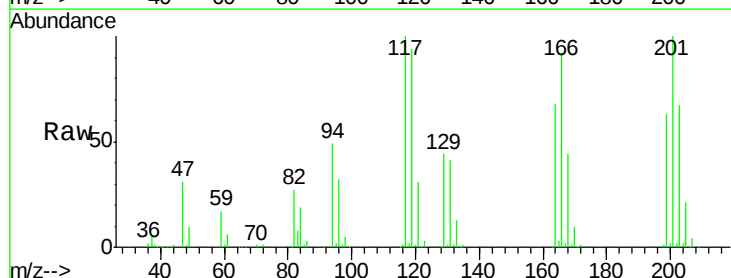
Acq: 20 Apr 2018 23:04

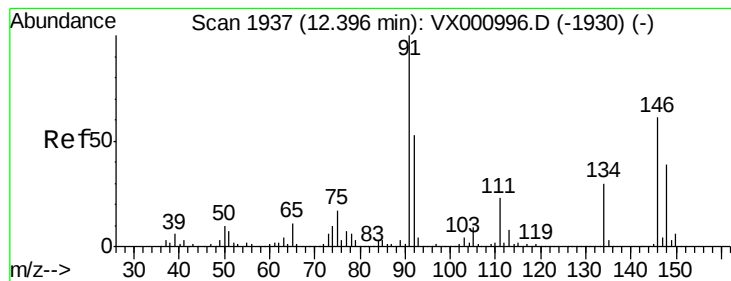
Tgt Ion: 117 Resp: 34868

Ion Ratio Lower Upper

117 100

201 101.2 52.3 157.1





#91

1,2-Dichlorobenzene

Concen: 19.75 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

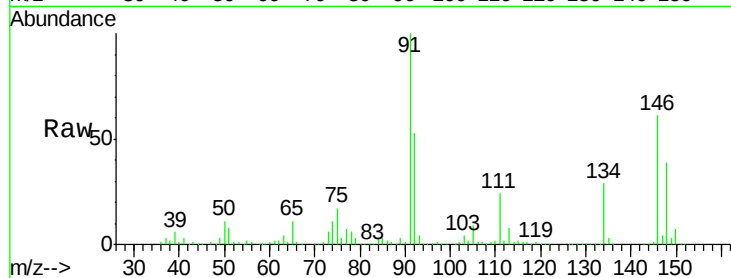
Tot Ion:146 Resp: 142199

Ion Ratio Lower Upper

146 100

111 38.6 18.6 56.0

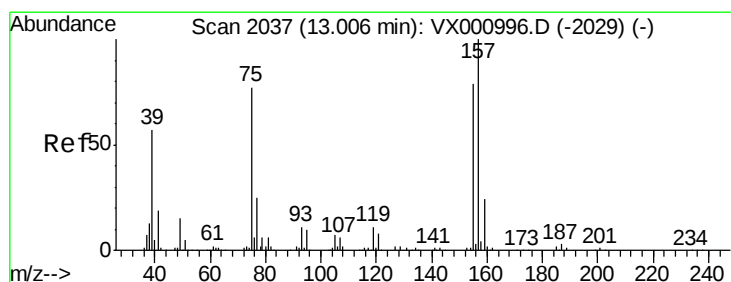
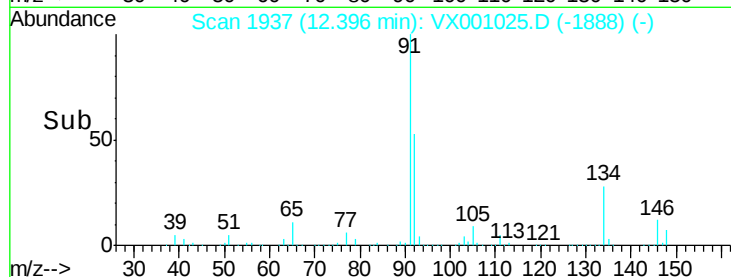
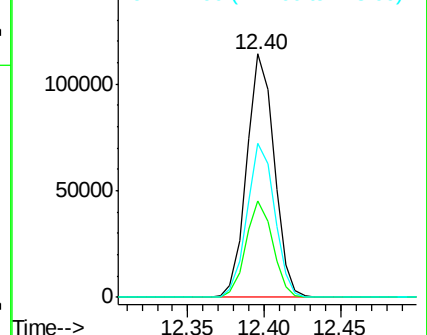
148 63.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.91 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001025.D

Acq: 20 Apr 2018 23:04

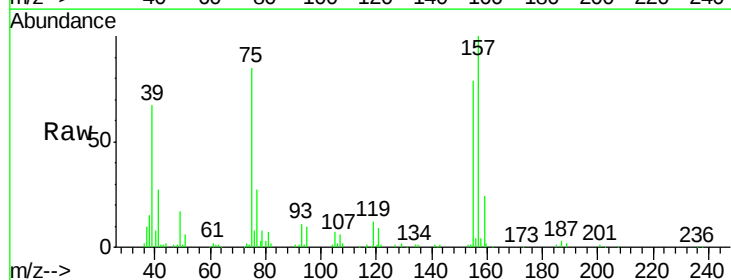
Tgt Ion: 75 Resp: 16153

Ion Ratio Lower Upper

75 100

155 94.0 51.0 153.0

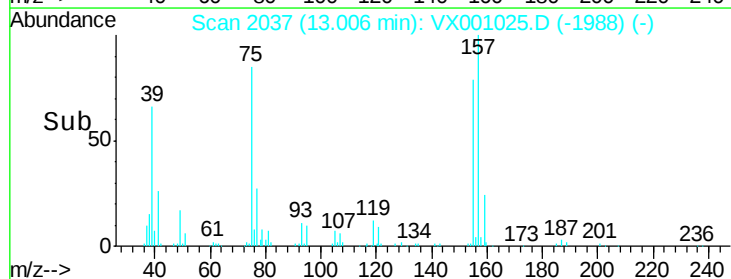
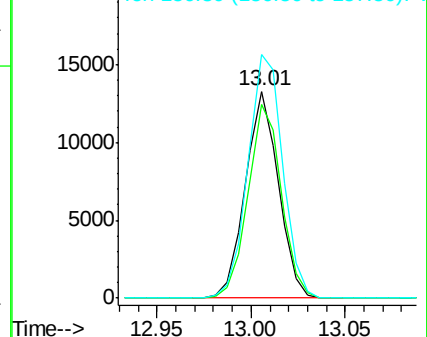
157 123.8 64.9 194.7

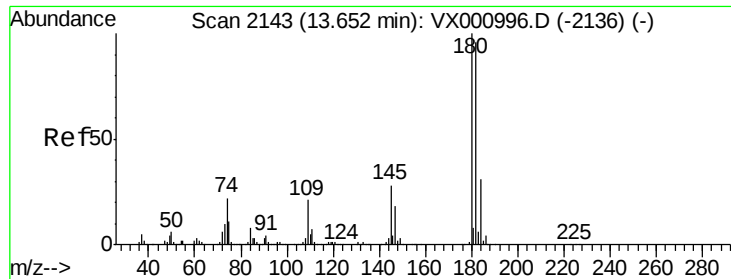


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

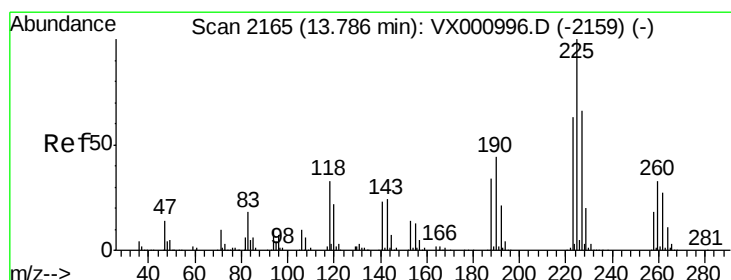
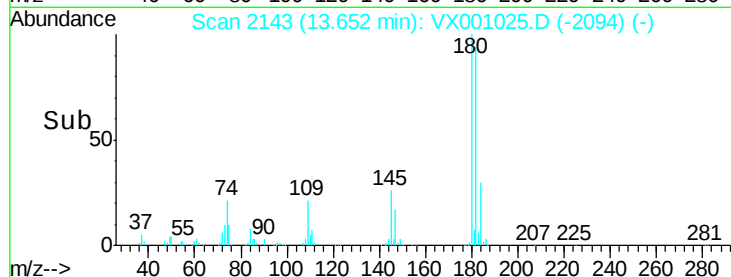
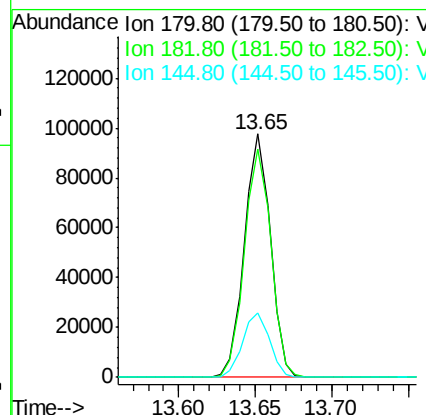
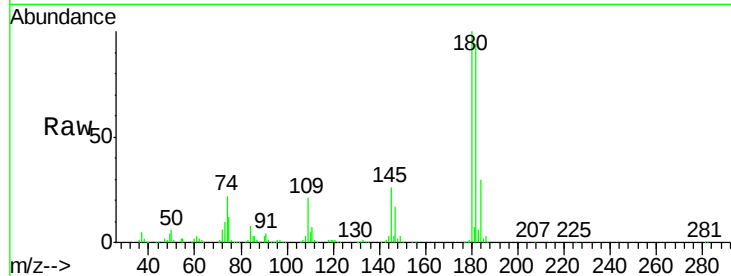




#93
 1,2,4-Trichlorobenzene
 Concen: 19.10 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

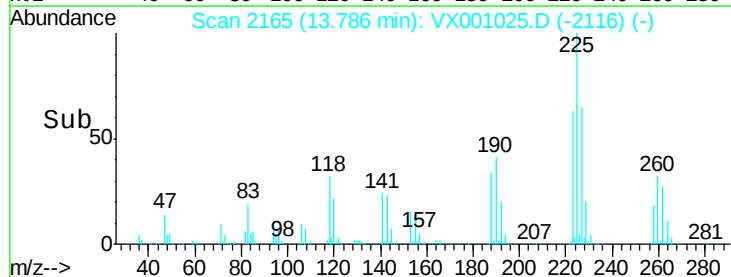
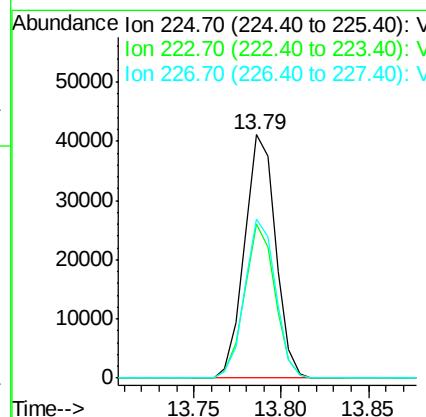
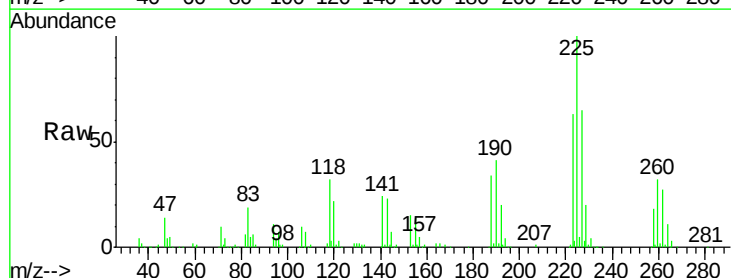
Instrument :
 MSVOA_X
 ClientSampleId :

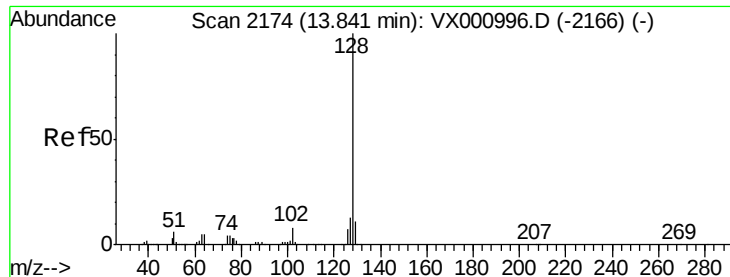
Tot Ion:180 Resp: 115440
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.0
 145 27.2 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 18.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001025.D
 Acq: 20 Apr 2018 23:04

Tgt Ion:225 Resp: 50789
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.5 94.5
 227 64.7 32.6 97.8

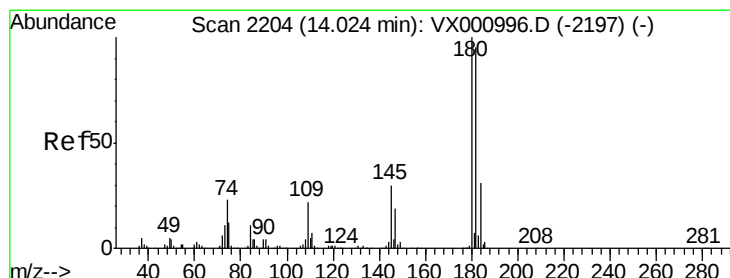
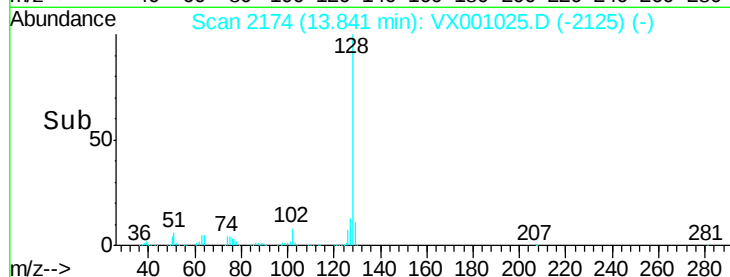
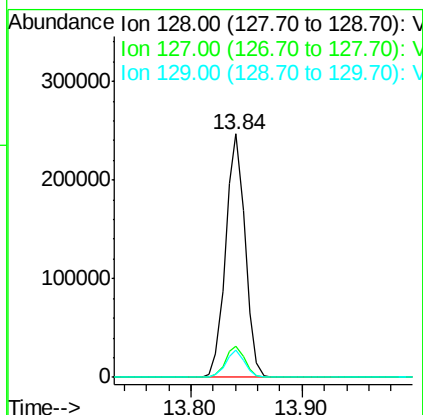
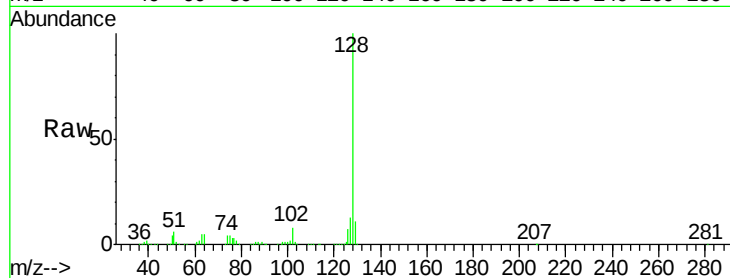




#95
Naphthalene
Concen: 19.94 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 296362
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.20 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001025.D
Acq: 20 Apr 2018 23:04

Tgt Ion:180 Resp: 112210
Ion Ratio Lower Upper
180 100
182 96.9 47.9 143.7
145 29.3 14.5 43.6

