

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000229.D
 Acq On : 08 Mar 2018 19:19
 Operator : JC/MD
 Sample : VX0308WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 04:14:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	128631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	220911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	127118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	88697	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.52	113	67577	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.73	98	273545	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.15	95	104825	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28029	20.00	ug/l	97
3) Chloromethane	1.32	50	29387	21.48	ug/l	98
4) Vinyl Chloride	1.41	62	35724	22.40	ug/l	94
5) Bromomethane	1.64	94	29809	17.27	ug/l	100
6) Chloroethane	1.73	64	22869	22.74	ug/l	98
7) Trichlorofluoromethane	1.93	101	59406	22.45	ug/l	100
8) Diethyl Ether	2.20	74	21447	22.09	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32032	21.68	ug/l	99
10) Methyl Iodide	2.52	142	26893	19.39	ug/l	98
11) Tert butyl alcohol	3.08	59	75791	115.68	ug/l	99
12) 1,1-Dichloroethene	2.38	96	30395	22.40	ug/l	95
13) Acrolein	2.30	56	41856	121.51	ug/l	97
14) Allyl chloride	2.73	41	55742	22.24	ug/l	99
15) Acrylonitrile	3.16	53	132507	116.21	ug/l	99
16) Acetone	2.45	43	147489	115.18	ug/l	100
17) Carbon Disulfide	2.57	76	78980	21.25	ug/l	98
18) Methyl Acetate	2.79	43	62848	23.05	ug/l	98
19) Methyl tert-butyl Ether	3.22	73	111458	23.07	ug/l	96
20) Methylene Chloride	2.87	84	32803	21.48	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32717	21.93	ug/l	95
22) Diisopropyl ether	3.89	45	82611	19.20	ug/l	94
23) Vinyl Acetate	3.84	43	396489	95.59	ug/l	100
24) 1,1-Dichloroethane	3.70	63	57378	21.75	ug/l	97
25) 2-Butanone	4.72	43	172624	109.23	ug/l	95
26) 2,2-Dichloropropane	4.59	77	40115	20.80	ug/l	99
27) cis-1,2-Dichloroethene	4.62	96	29865	21.11	ug/l	99
28) Bromochloromethane	5.03	49	24796	22.11	ug/l	100
29) Tetrahydrofuran	5.18	42	109061	109.88	ug/l	100
30) Chloroform	5.23	83	53141	20.83	ug/l	99
31) Cyclohexane	5.59	56	41630	21.34	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	46180	20.88	ug/l	95
36) 1,1-Dichloropropene	5.81	75	39220	19.95	ug/l	99
37) Ethyl Acetate	4.88	43	59482	20.94	ug/l	100
38) Carbon Tetrachloride	5.79	117	39264	19.74	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46718	19.37	ug/l	99
40) Benzene	6.16	78	115460	20.37	ug/l	97
41) Methacrylonitrile	5.08	41	29660	20.48	ug/l	98
42) 1,2-Dichloroethane	6.21	62	45675	20.54	ug/l	99
43) Isopropyl Acetate	6.48	43	85395	20.79	ug/l	99
44) Trichloroethene	7.22	130	32775	20.20	ug/l	98
45) 1,2-Dichloropropane	7.53	63	29607	20.62	ug/l #	89
46) Dibromomethane	7.67	93	23154	20.38	ug/l	97
47) Bromodichloromethane	7.91	83	41805	20.92	ug/l	98
48) Methyl methacrylate	7.79	41	41588	20.56	ug/l	98
49) 1,4-Dioxane	7.77	88	19307	420.41	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	332541	107.27	ug/l	98
52) Toluene	8.79	92	78603	20.23	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	47292	20.08	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	48940	21.48	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	33007	20.97	ug/l	100
56) Ethyl methacrylate	9.19	69	51901	22.04	ug/l	99
57) 1,3-Dichloropropane	9.38	76	54808	20.74	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	122780	103.26	ug/l	100
59) 2-Hexanone	9.51	43	282954	107.05	ug/l	100
60) Dibromochloromethane	9.59	129	33906	20.43	ug/l	99
61) 1,2-Dibromoethane	9.68	107	36751	21.03	ug/l	97
64) Tetrachloroethene	9.34	164	30323	19.46	ug/l	97
65) Chlorobenzene	10.15	112	95846	21.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	31661	20.59	ug/l	98
67) Ethyl Benzene	10.26	91	159969	20.38	ug/l	100
68) m/p-Xylenes	10.37	106	124550	41.23	ug/l	99
69) o-Xylene	10.71	106	60048	20.68	ug/l	97
70) Styrene	10.72	104	98957	20.54	ug/l	98
71) Bromoform	10.87	173	25939	18.62	ug/l #	100
73) Isopropylbenzene	11.02	105	165149	20.75	ug/l	99
74) N-amyl acetate	6.48	43	85395	20.97	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60468	21.67	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	70295	27.59	ug/l	83
77) Bromobenzene	11.26	156	41505	20.17	ug/l	96
78) n-propylbenzene	11.37	91	194003	20.71	ug/l	98
79) 2-Chlorotoluene	11.43	91	109400	20.70	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	140654	21.17	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	14893	17.90	ug/l	88
82) 4-Chlorotoluene	11.52	91	134531	20.94	ug/l	98
83) tert-Butylbenzene	11.78	119	137875	21.32	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	146148	21.39	ug/l	98
85) sec-Butylbenzene	11.96	105	172202	21.06	ug/l	99
86) p-Isopropyltoluene	12.07	119	151216	20.97	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	79681	20.37	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	84286	20.56	ug/l	97
89) n-Butylbenzene	12.40	91	145612	20.96	ug/l	98
90) Hexachloroethane	12.60	117	23046	19.83	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	80951	20.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17354	22.15	ug/l	96

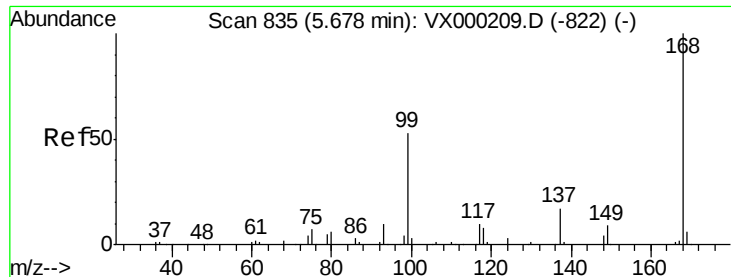
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QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58155	20.64	ug/l	99
94) Hexachlorobutadiene	13.79	225	23162	19.75	ug/l	97
95) Naphthalene	13.84	128	210982	21.46	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	57399	20.59	ug/l	98

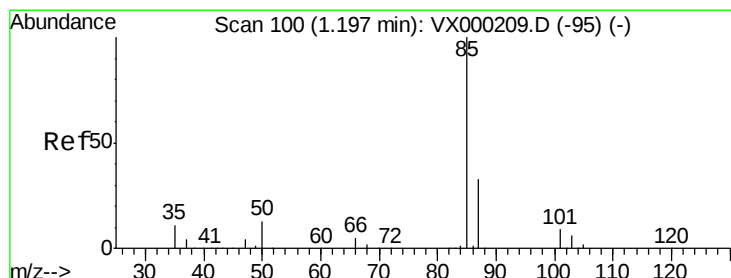
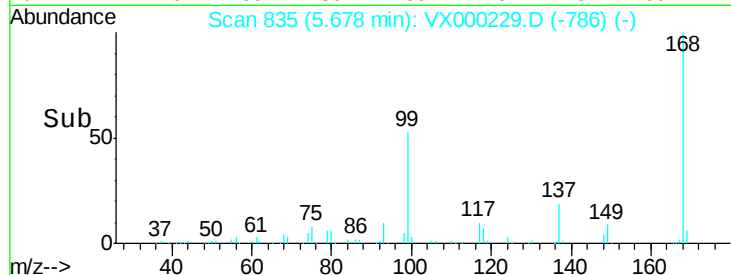
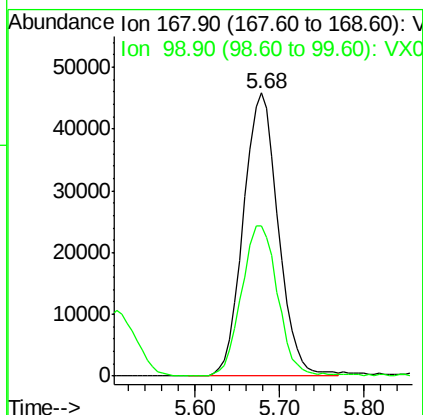
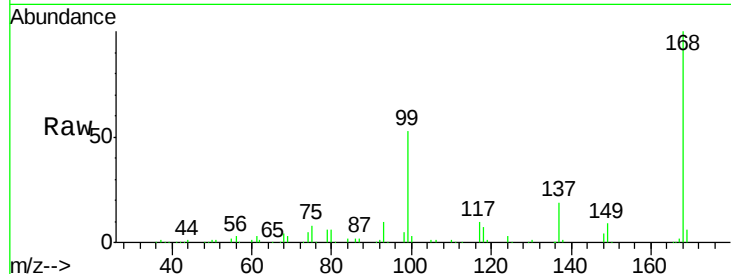
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

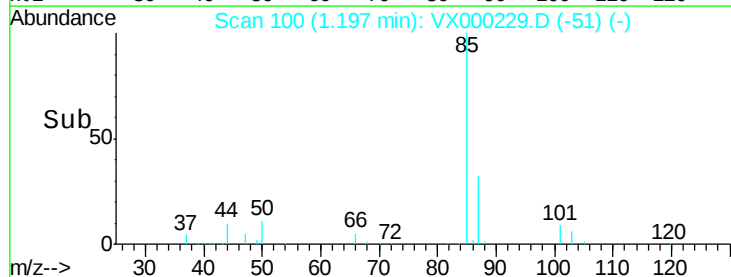
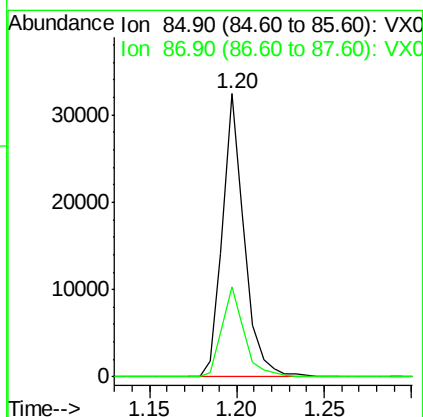
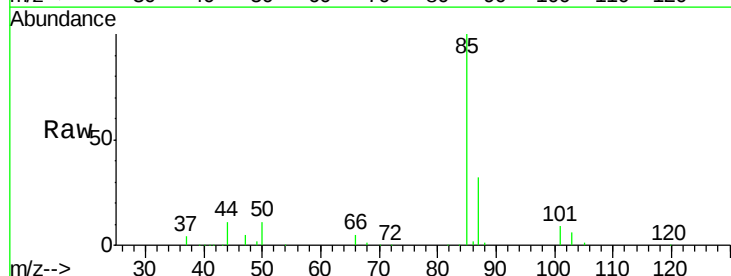
Instrument :
MSVOA_X
ClientSampleId :

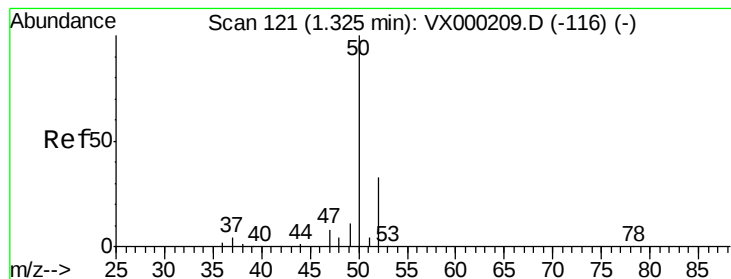
Tot Ion:168 Resp: 128631
Ion Ratio Lower Upper
168 100
99 52.9 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 20.00 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 85 Resp: 28029
Ion Ratio Lower Upper
85 100
87 31.7 16.7 50.0





#3

Chloromethane

Concen: 21.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

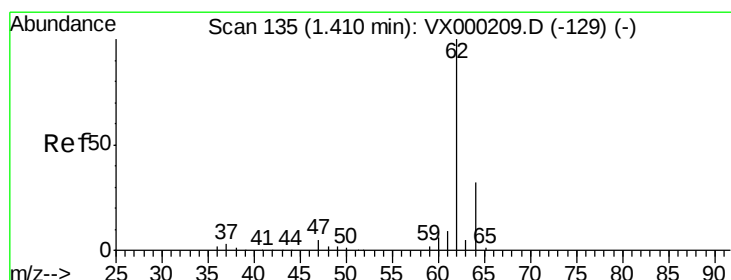
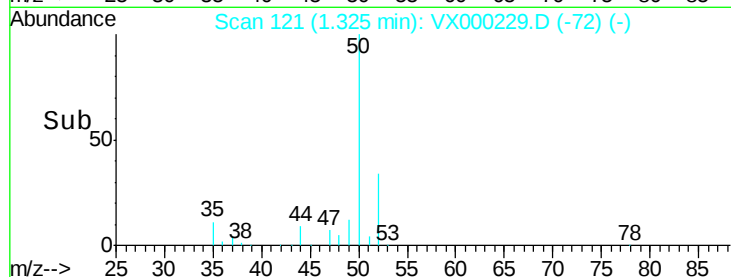
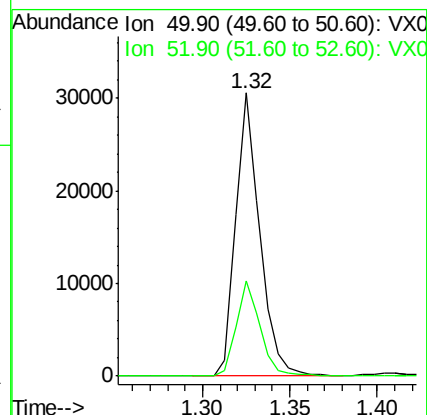
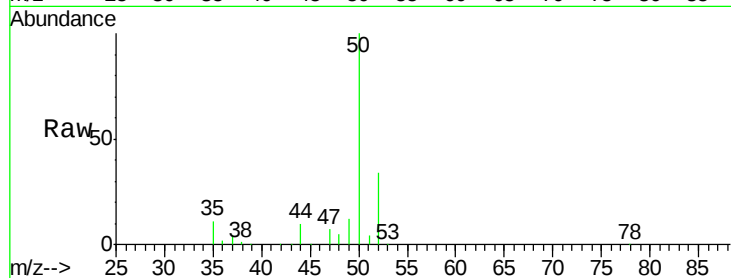
ClientSampleId :

Tot Ion: 50 Resp: 29387

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.2



#4

Vinyl Chloride

Concen: 22.40 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000229.D

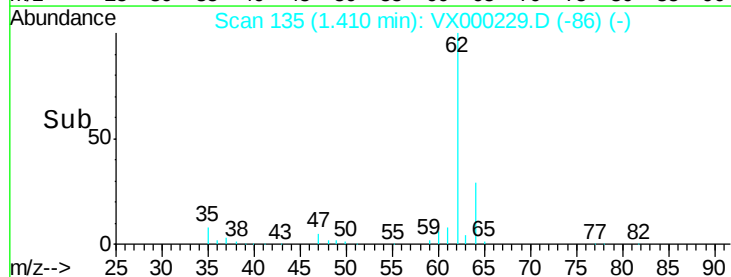
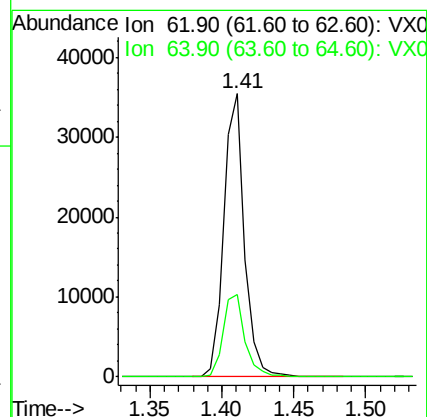
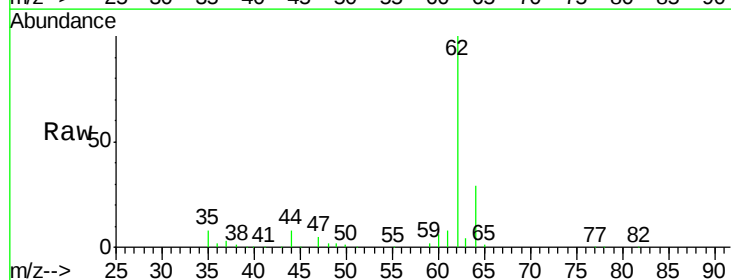
Acq: 08 Mar 2018 19:19

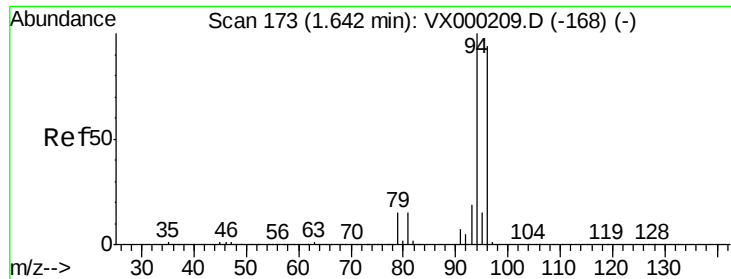
Tgt Ion: 62 Resp: 35724

Ion Ratio Lower Upper

62 100

64 28.9 25.7 38.5





#5

Bromomethane

Concen: 17.27 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

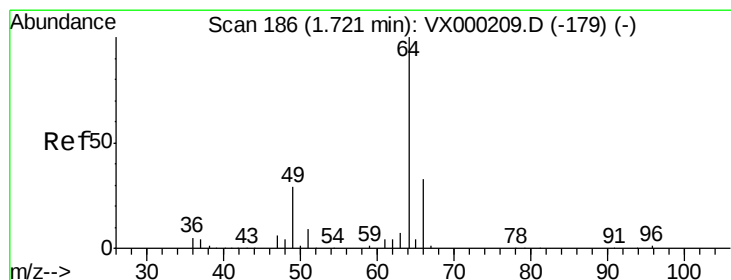
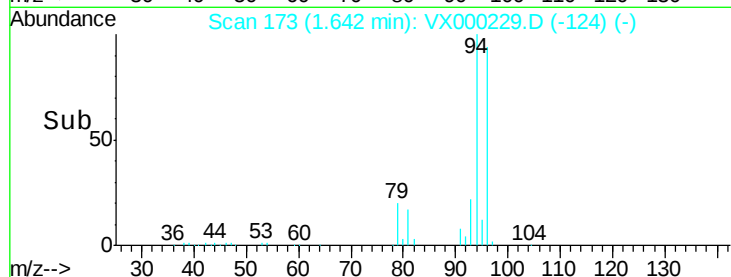
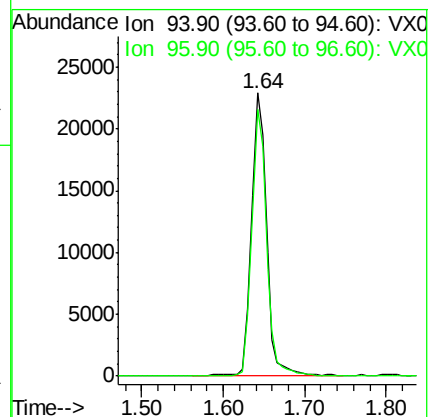
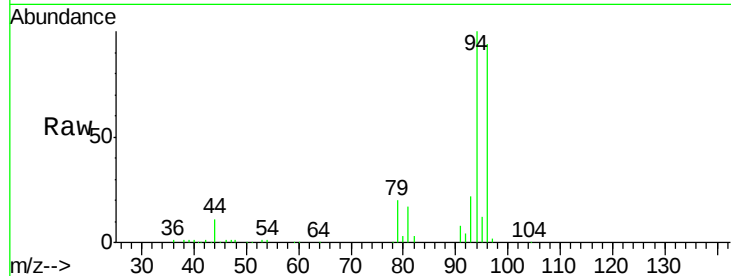
ClientSampled :

Tot Ion: 94 Resp: 29809

Ion Ratio Lower Upper

94 100

96 94.4 75.3 112.9



#6

Chloroethane

Concen: 22.74 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000229.D

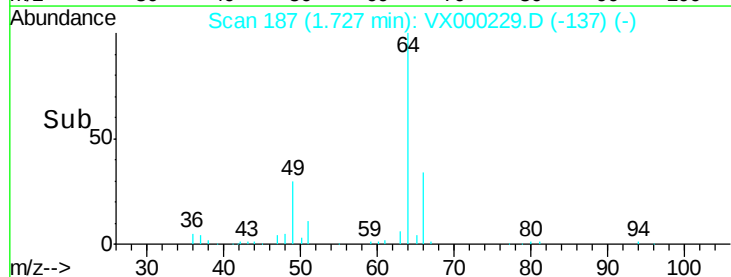
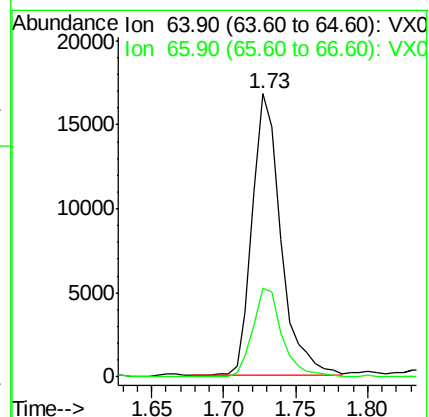
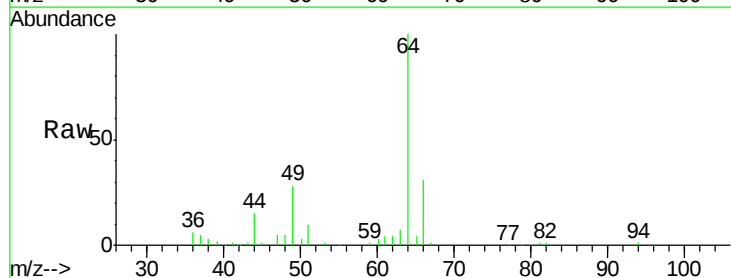
Acq: 08 Mar 2018 19:19

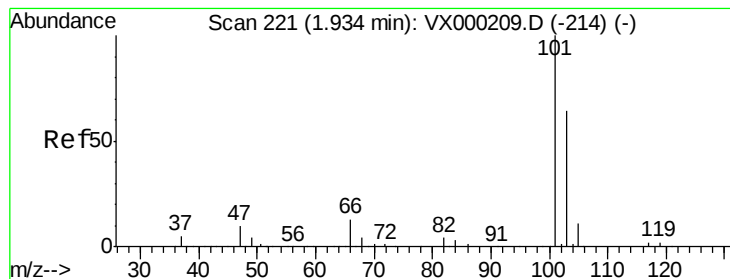
Tgt Ion: 64 Resp: 22869

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.4



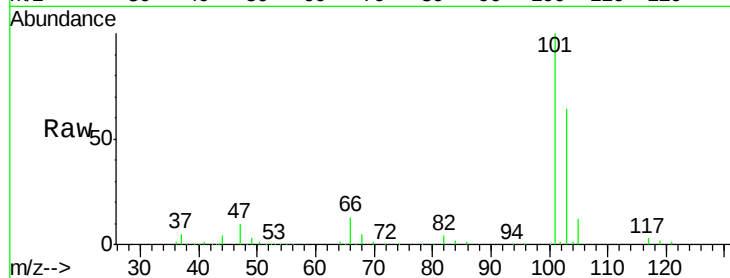


#7

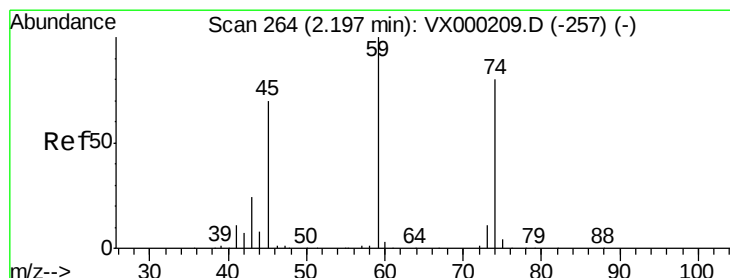
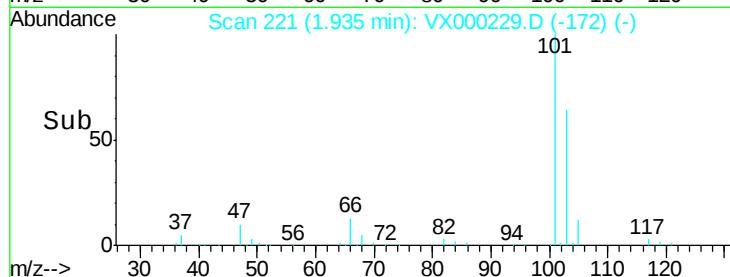
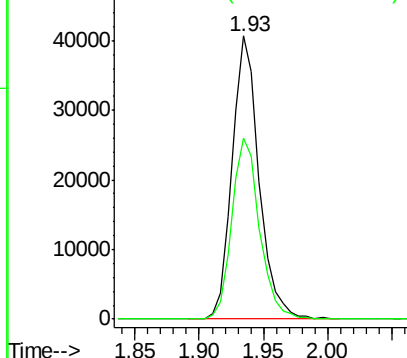
Trichlorofluoromethane
Concen: 22.45 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 59406
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8



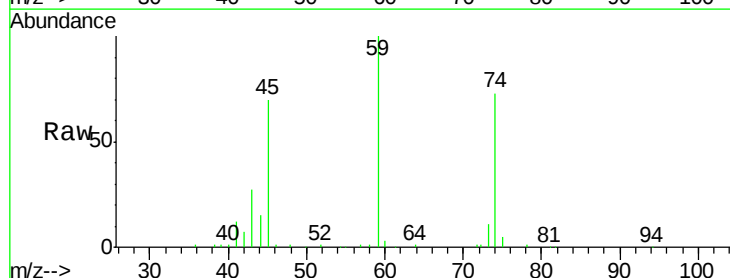
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



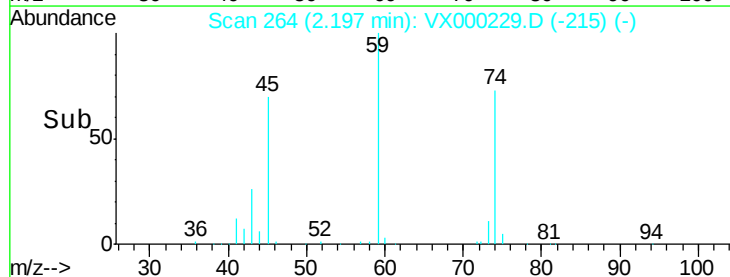
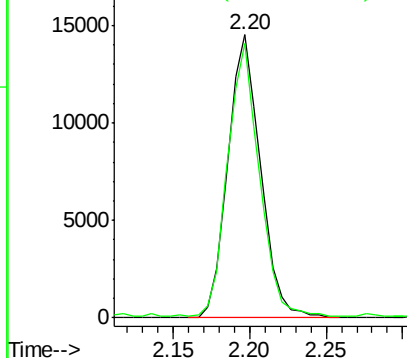
#8

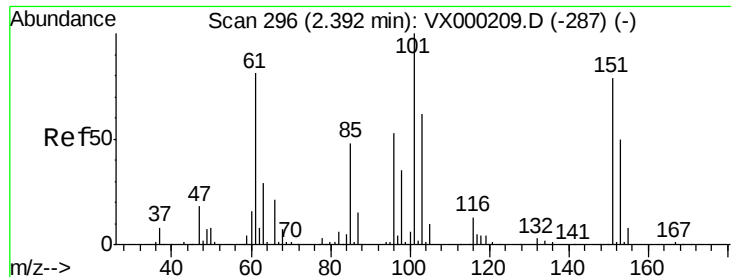
Diethyl Ether
Concen: 22.09 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 74 Resp: 21447
Ion Ratio Lower Upper
74 100
45 94.2 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.68 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

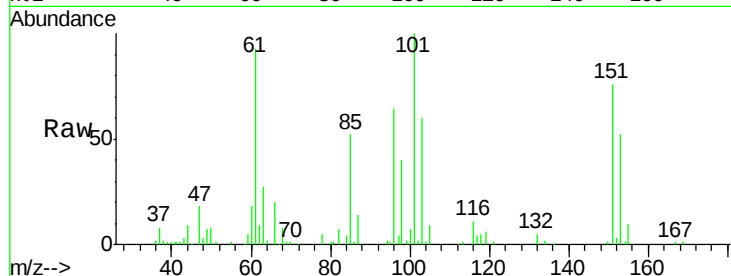
Tot Ion:101 Resp: 32032

Ion Ratio Lower Upper

101 100

85 49.1 38.3 57.5

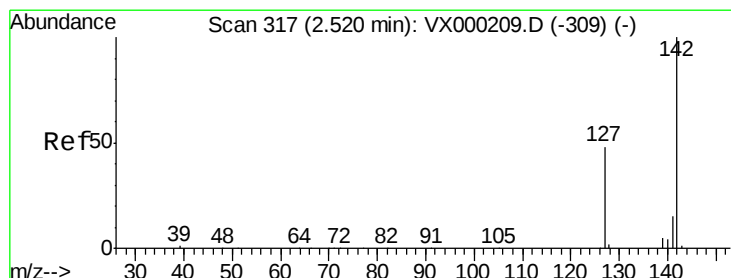
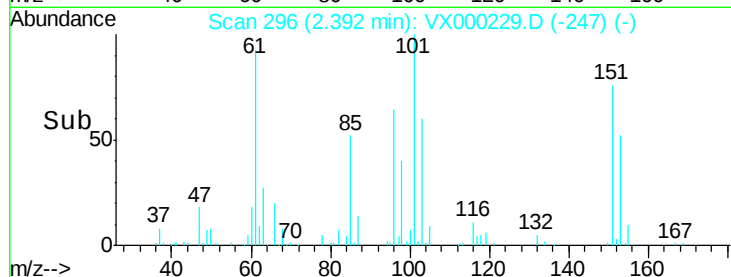
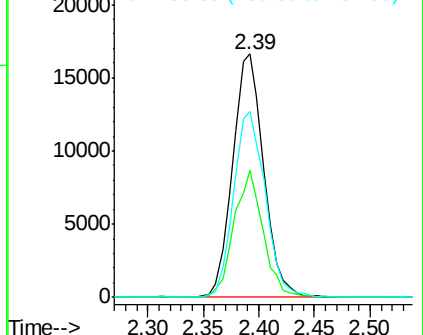
151 78.2 62.8 94.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.39 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

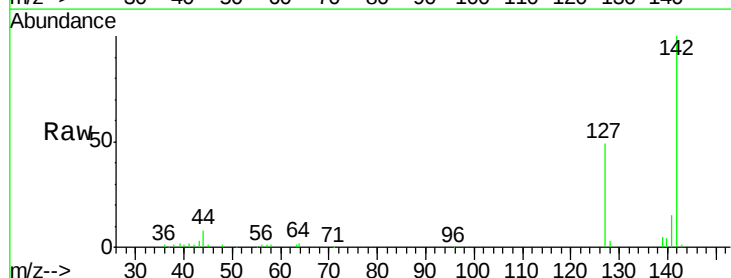
Tgt Ion:142 Resp: 26893

Ion Ratio Lower Upper

142 100

127 50.1 39.0 58.6

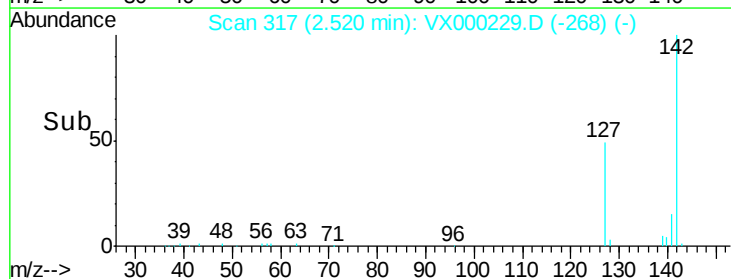
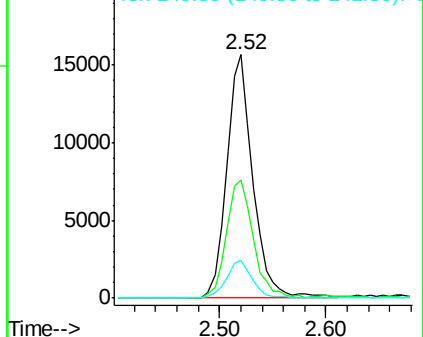
141 15.3 11.6 17.4

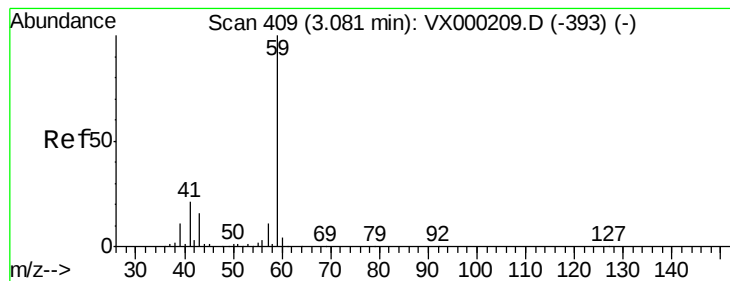


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



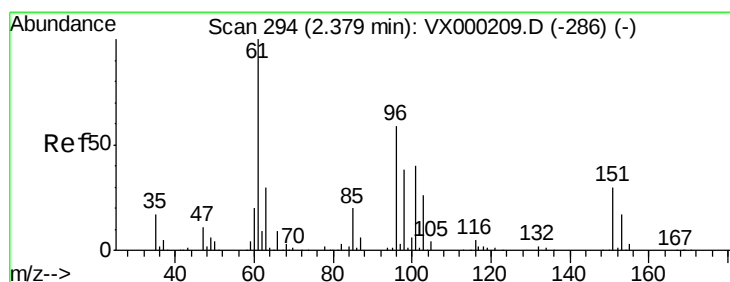
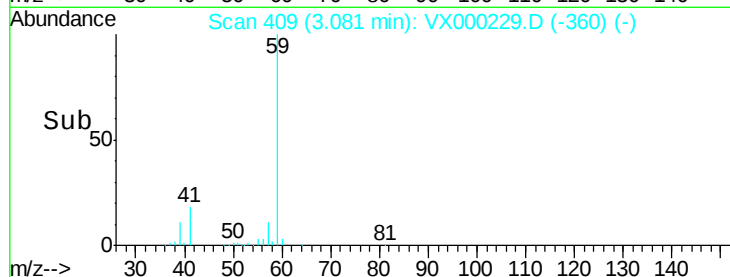
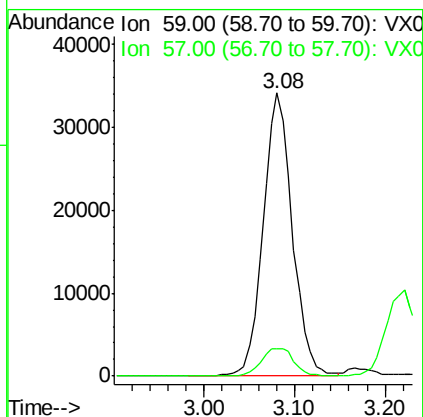
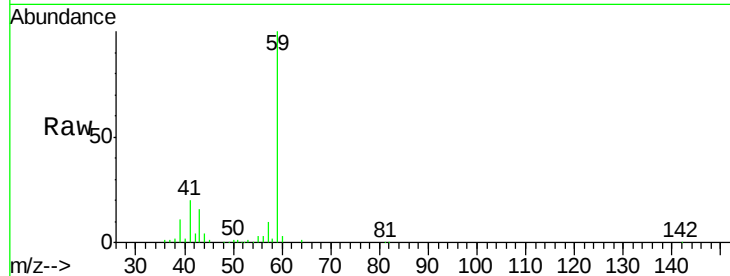


#11

Tert butyl alcohol
Concen: 115.68 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampleId :

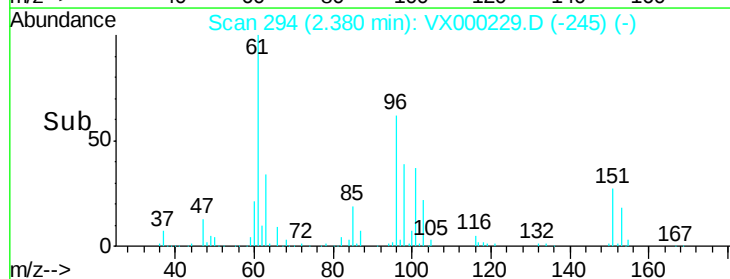
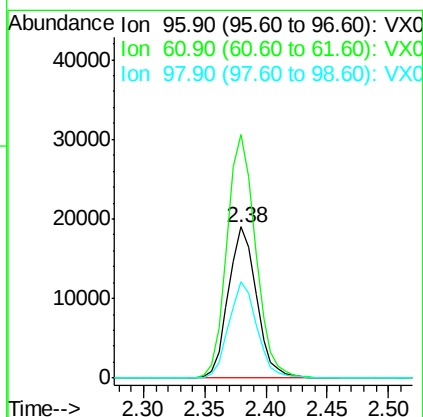
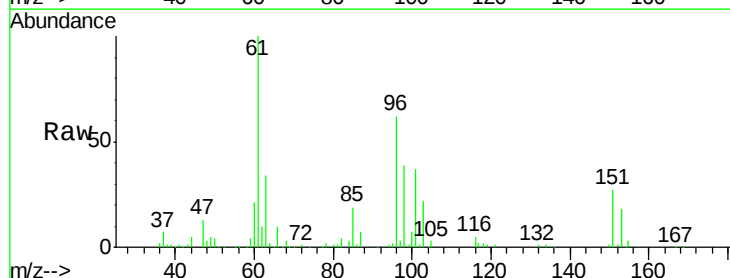
Tot Ion: 59 Resp: 75791
Ion Ratio Lower Upper
59 100
57 11.1 8.4 12.6

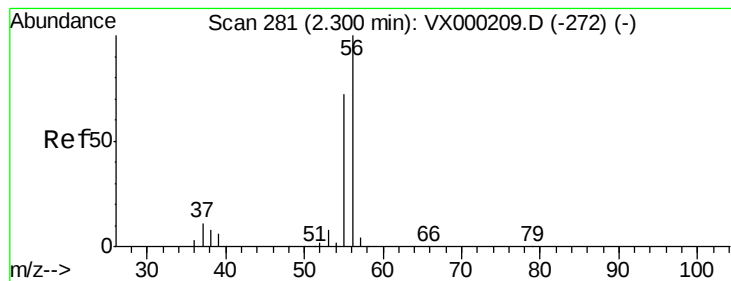


#12

1,1-Dichloroethene
Concen: 22.40 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 96 Resp: 30395
Ion Ratio Lower Upper
96 100
61 161.2 135.8 203.6
98 63.5 51.1 76.7





#13

Acrolein

Concen: 121.51 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

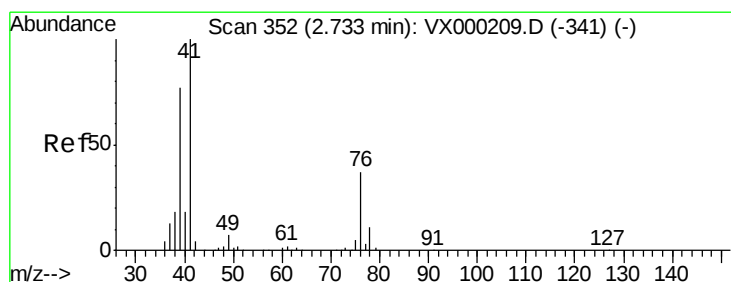
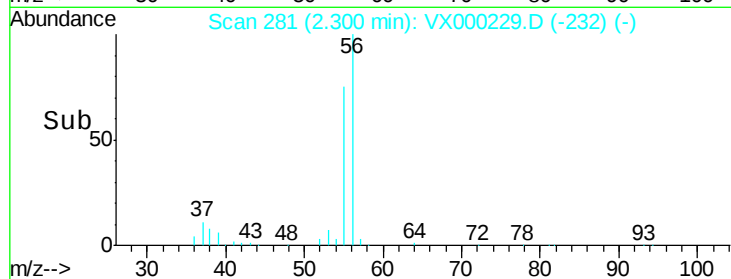
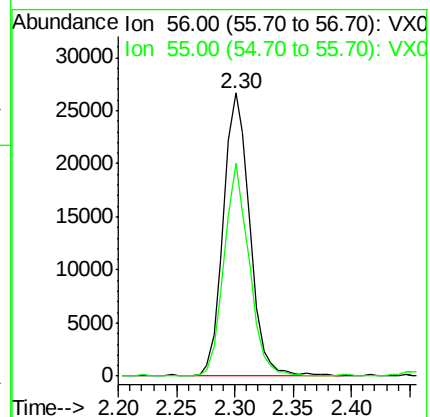
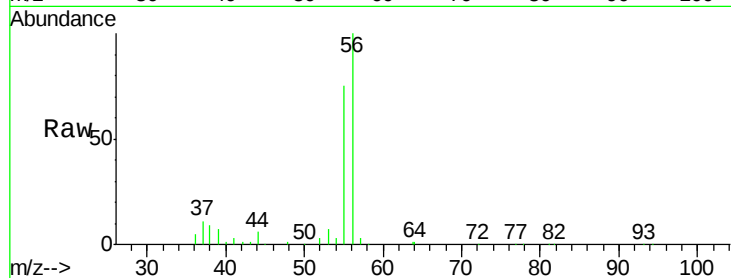
ClientSampleId :

Tot Ion: 56 Resp: 41856

Ion Ratio Lower Upper

56 100

55 71.6 59.2 88.8



#14

Allyl chloride

Concen: 22.24 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

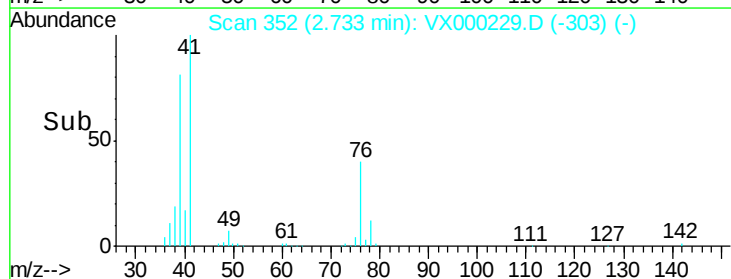
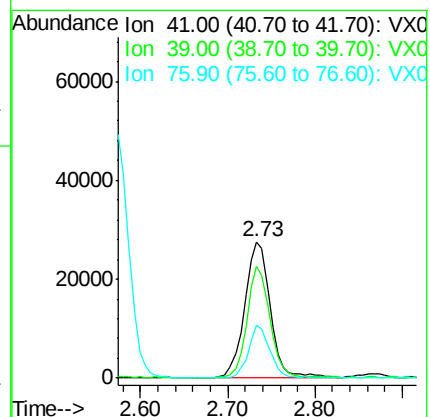
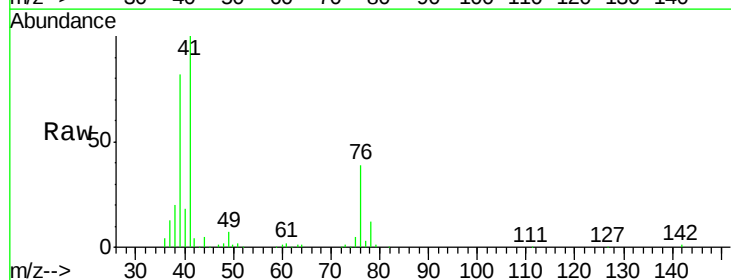
Tgt Ion: 41 Resp: 55742

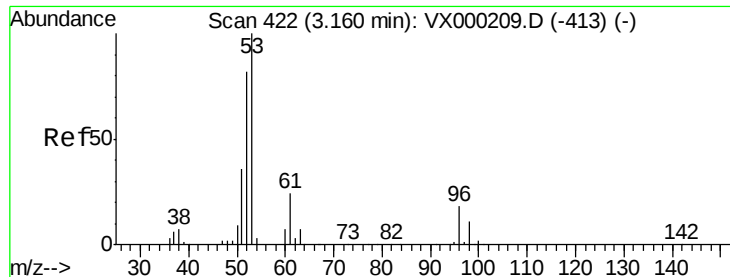
Ion Ratio Lower Upper

41 100

39 72.4 57.0 85.6

76 32.8 26.8 40.2





#15

Acrylonitrile

Concen: 116.21 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

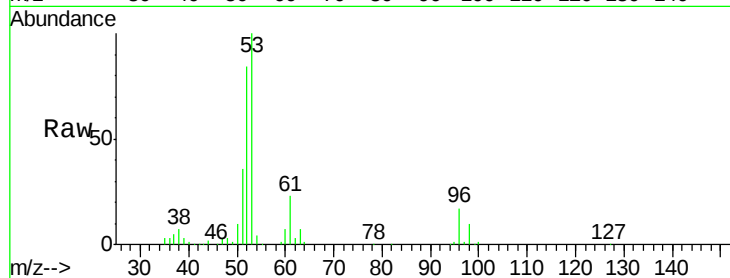
Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

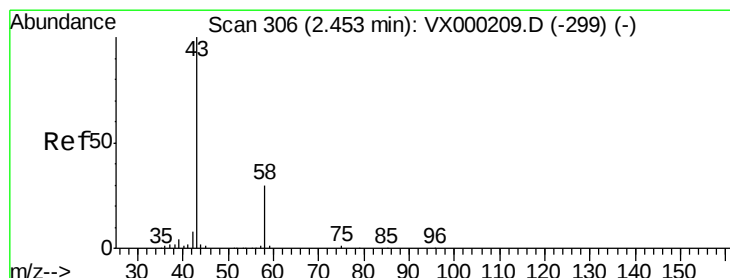
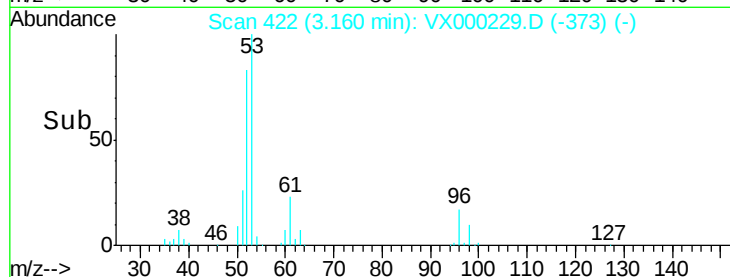
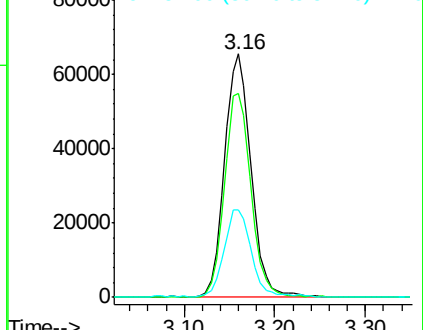
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 53 Resp: 132507

Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.3	99.5
51	37.6	29.6	44.4



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 115.18 ug/l

RT: 2.45 min Scan# 306

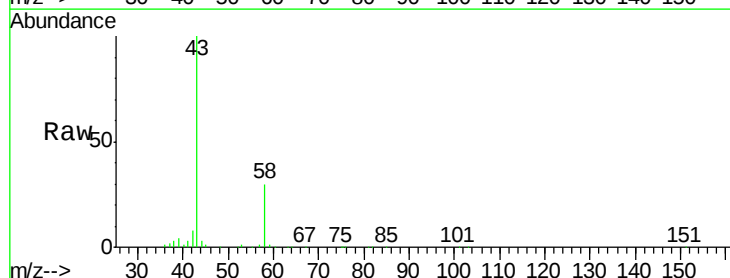
Delta R.T. 0.00 min

Lab File: VX000229.D

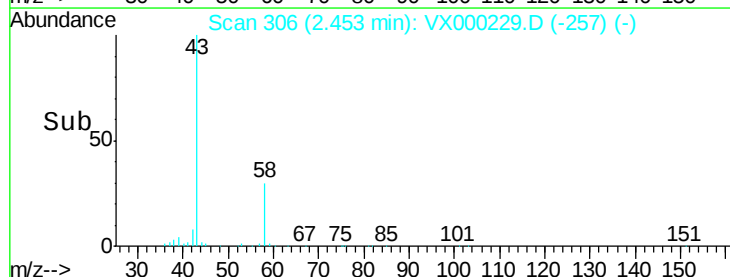
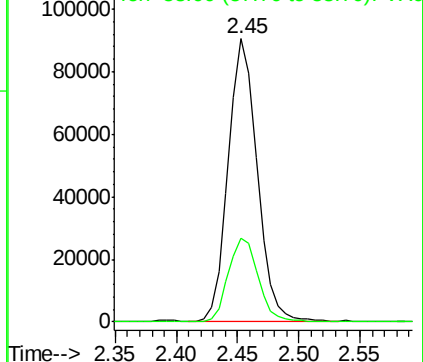
Acq: 08 Mar 2018 19:19

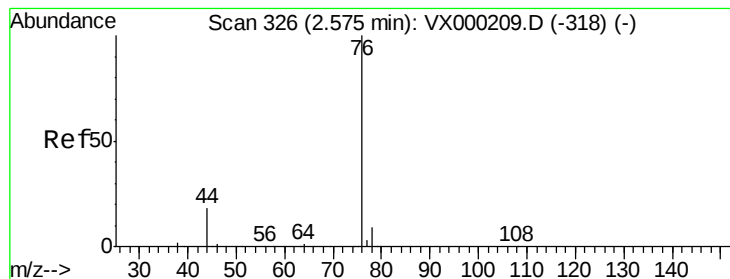
Tgt Ion: 43 Resp: 147489

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6



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





#17

Carbon Disulfide

Concen: 21.25 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

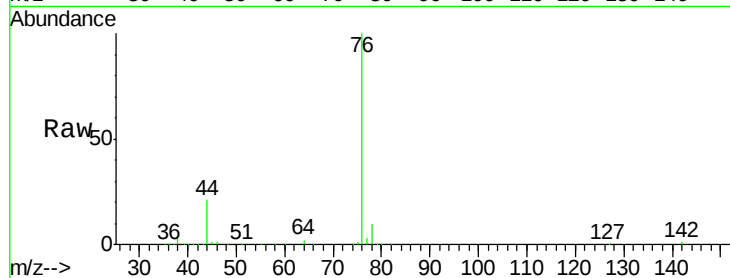
ClientSampled :

Tot Ion: 76 Resp: 78980

Ion Ratio Lower Upper

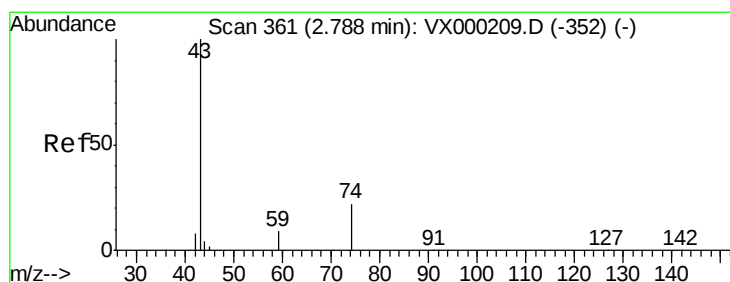
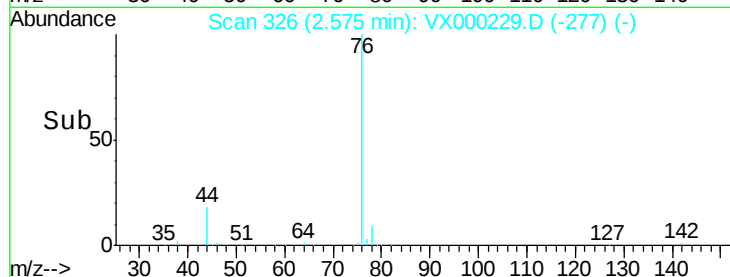
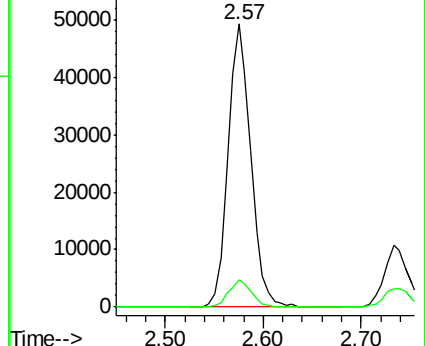
76 100

78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.05 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000229.D

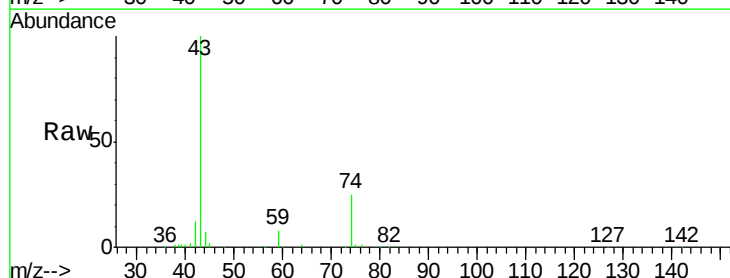
Acq: 08 Mar 2018 19:19

Tgt Ion: 43 Resp: 62848

Ion Ratio Lower Upper

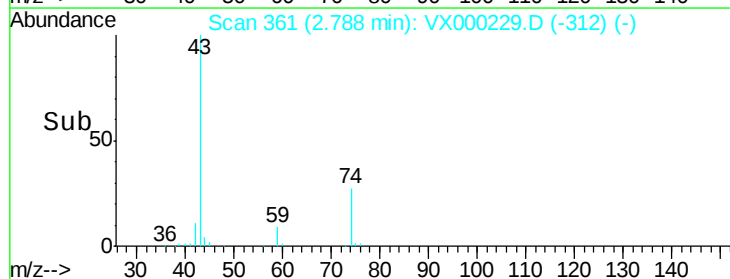
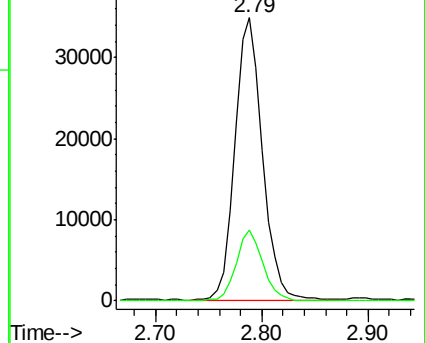
43 100

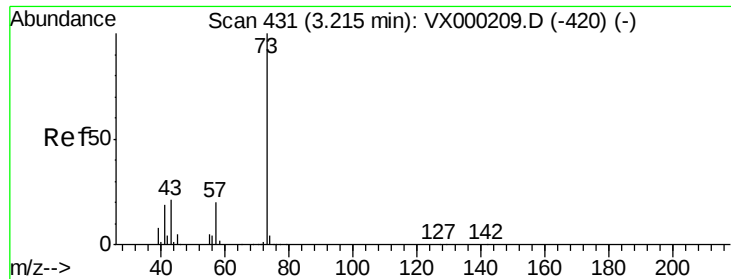
74 24.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

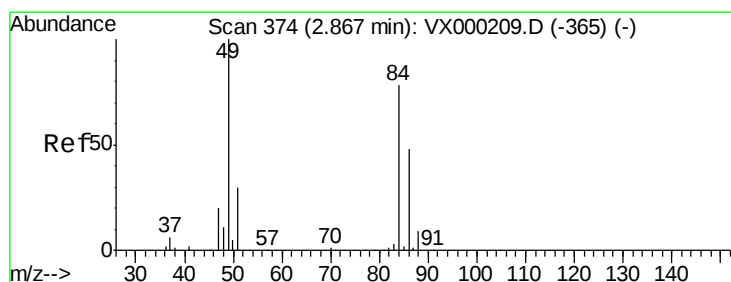
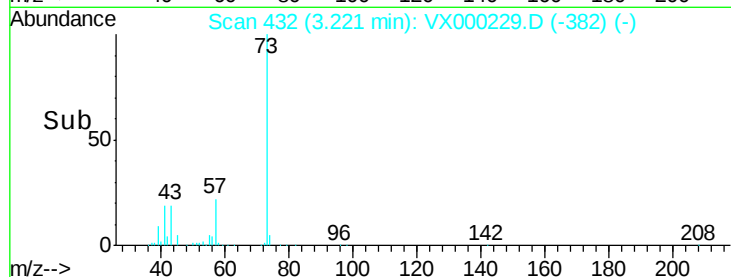
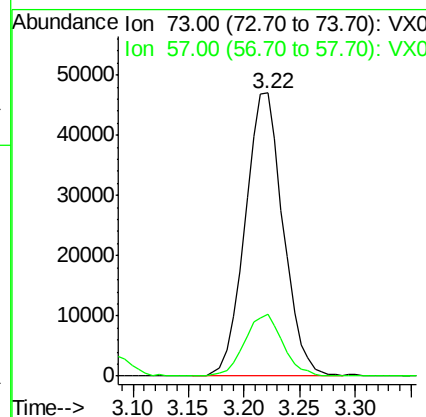
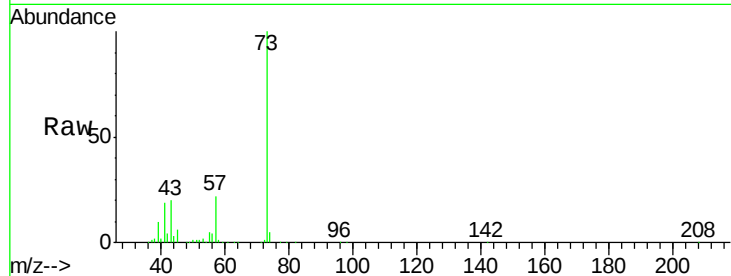




#19
Methvl tert-butvl Ether
Concen: 23.07 ug/l
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

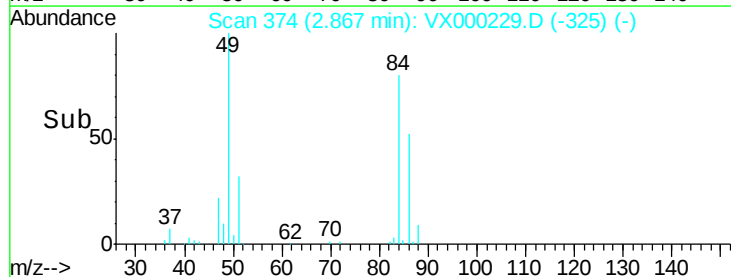
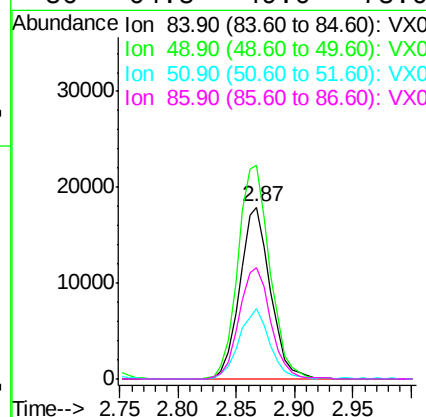
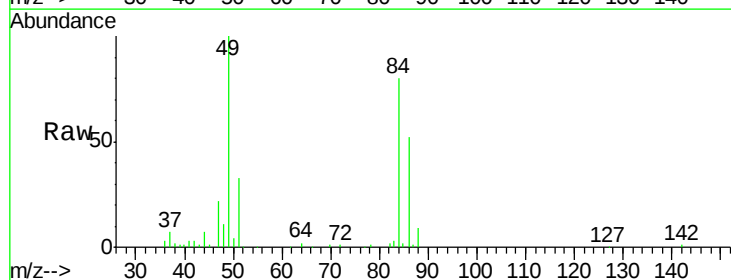
Instrument :
MSVOA_X
ClientSampleId :

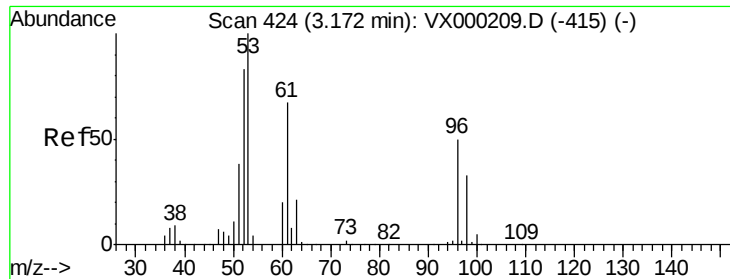
Tot Ion: 73 Resp: 111458
Ion Ratio Lower Upper
73 100
57 22.1 16.3 24.5



#20
Methylene Chloride
Concen: 21.48 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 84 Resp: 32803
Ion Ratio Lower Upper
84 100
49 124.3 102.1 153.1
51 40.9 30.6 45.8
86 64.8 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.93 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

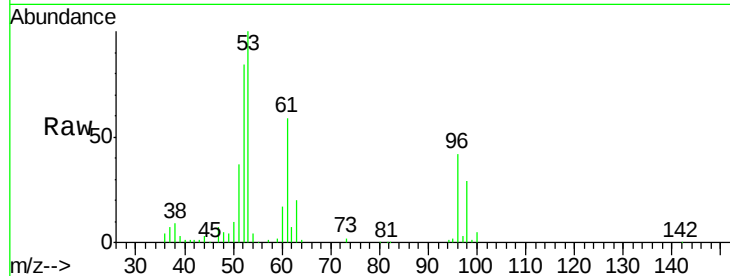
Tot Ion: 96 Resp: 32717

Ion Ratio Lower Upper

96 100

61 139.1 107.0 160.4

98 68.3 51.8 77.8

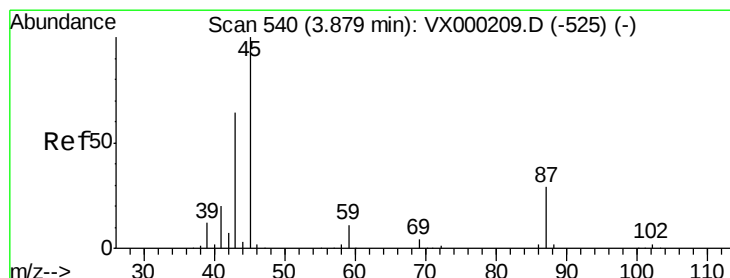
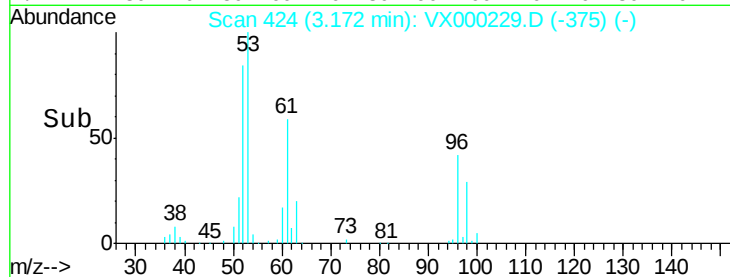
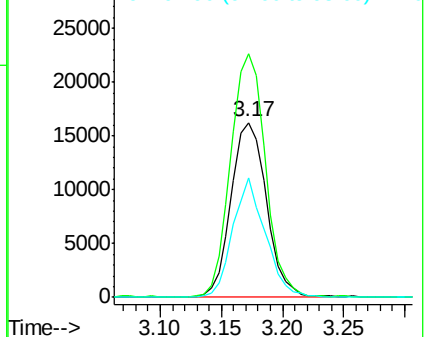


Abundance

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: 19.20 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Tgt Ion: 45 Resp: 82611

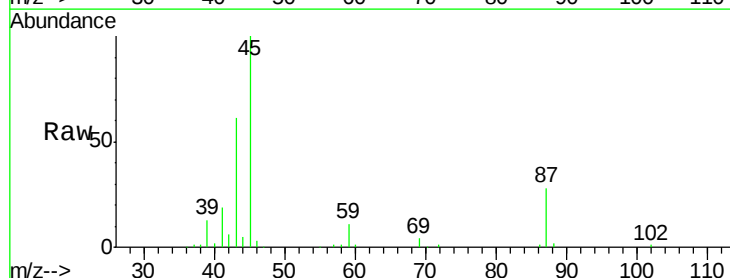
Ion Ratio Lower Upper

45 100

43 60.0 53.5 80.3

87 28.1 23.3 34.9

59 11.0 9.0 13.6



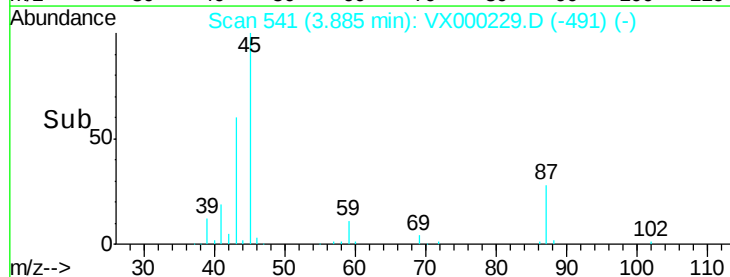
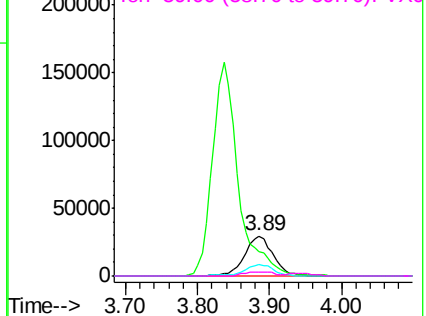
Abundance

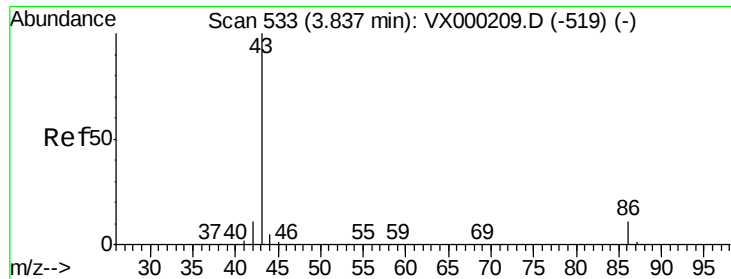
Ion 45.00 (44.70 to 45.70): VX0

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: 95.59 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

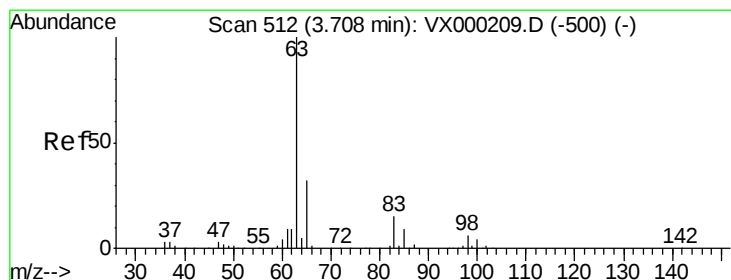
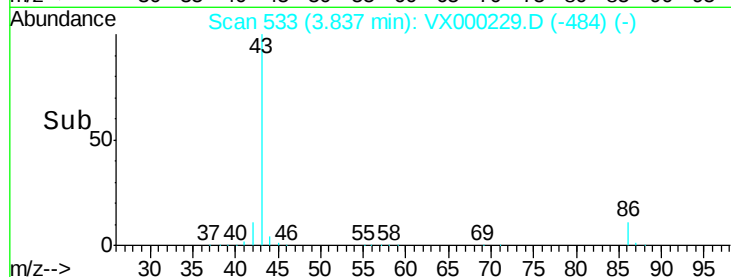
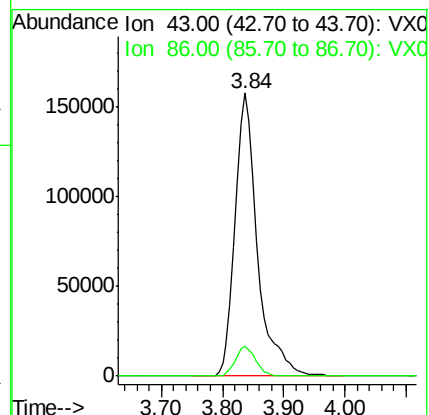
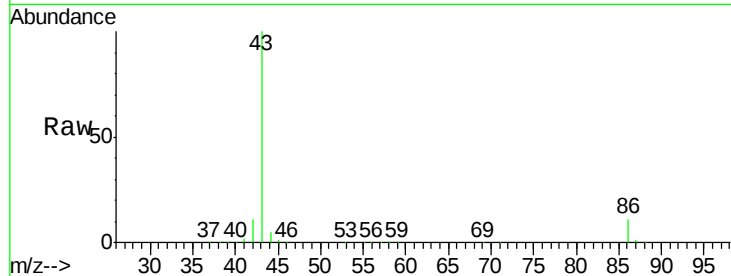
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 396489

Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7



#24

1,1-Dichloroethane

Concen: 21.75 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

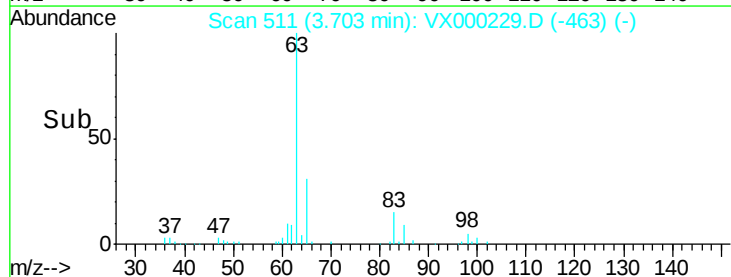
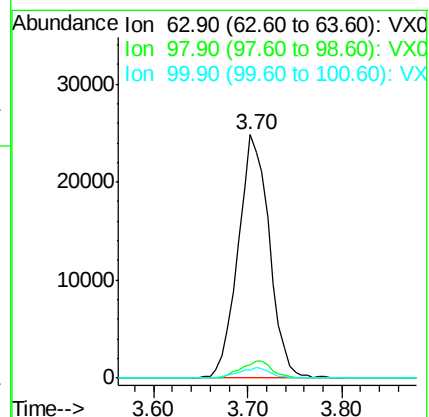
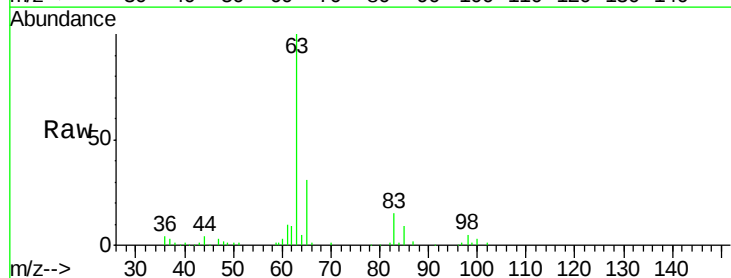
Tgt Ion: 63 Resp: 57378

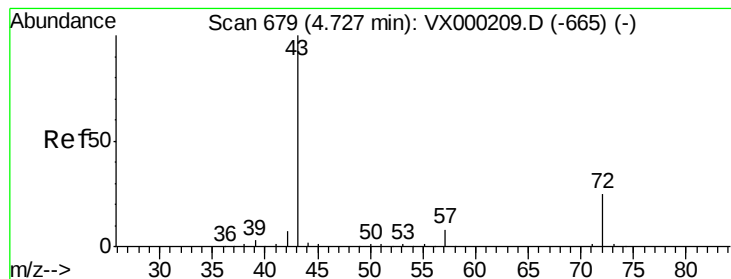
Ion Ratio Lower Upper

63 100

98 5.3 3.1 9.4

100 3.4 2.2 6.6





#25

2-Butanone

Concen: 109.23 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

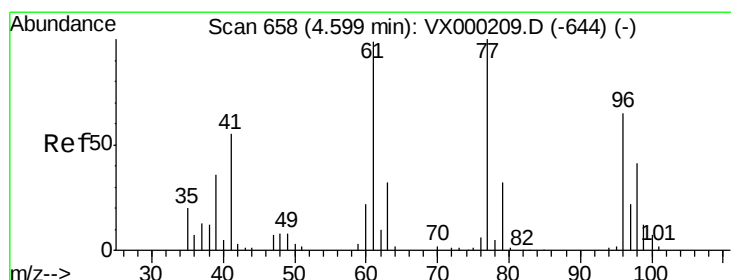
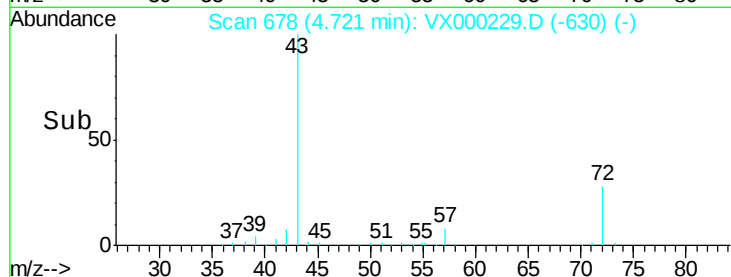
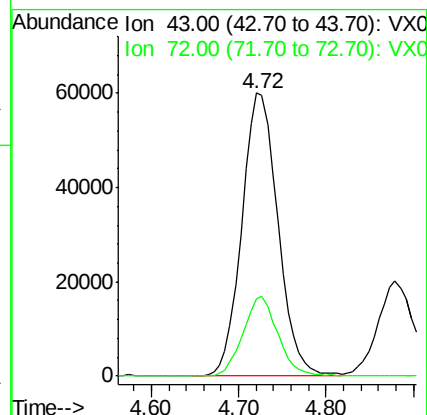
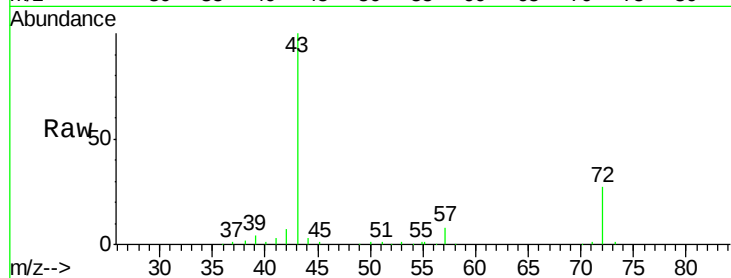
ClientSampleId :

Tot Ion: 43 Resp: 172624

Ion Ratio Lower Upper

43 100

72 27.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.80 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000229.D

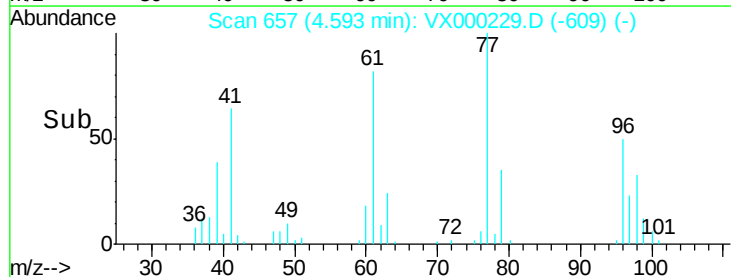
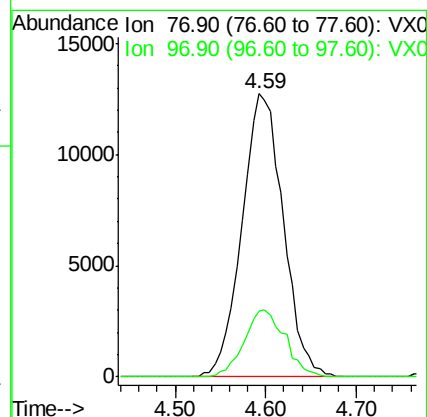
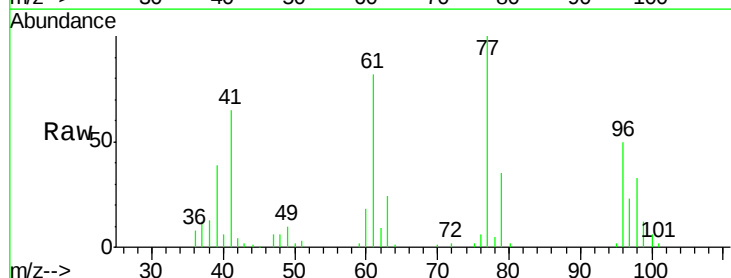
Acq: 08 Mar 2018 19:19

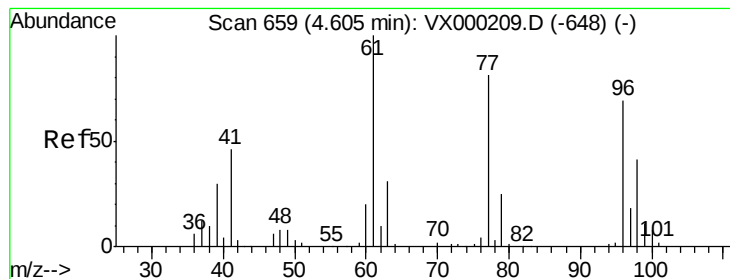
Tgt Ion: 77 Resp: 40115

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.1



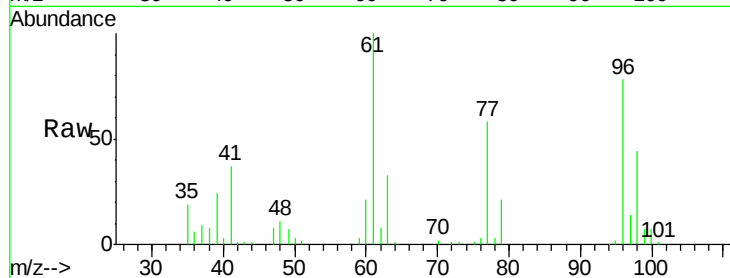


#27

cis-1,2-Dichloroethene
Concen: 21.11 ug/l
RT: 4.62 min Scan# 661
Delta R.T. 0.01 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp	29865
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	296.4
98	64.0	0.0	130.6

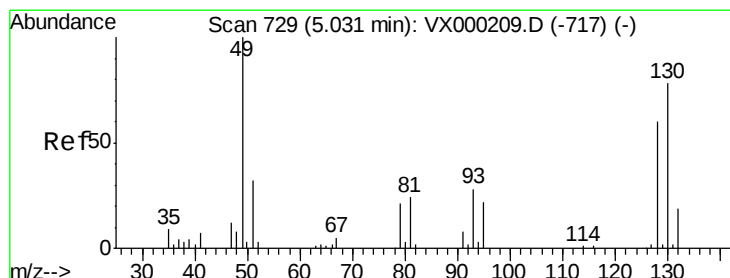
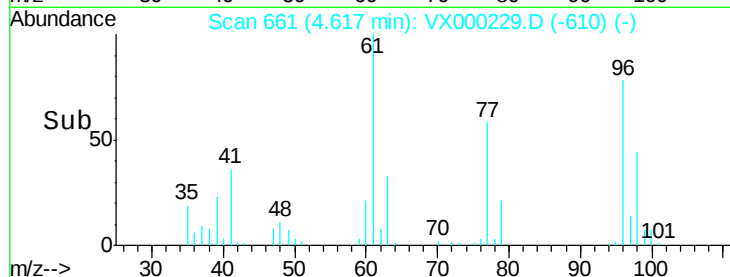
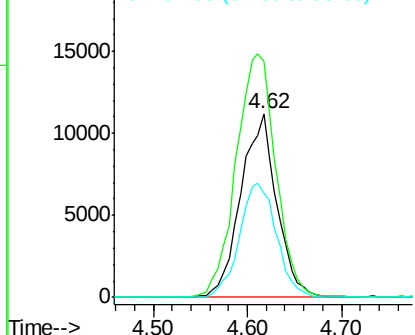


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

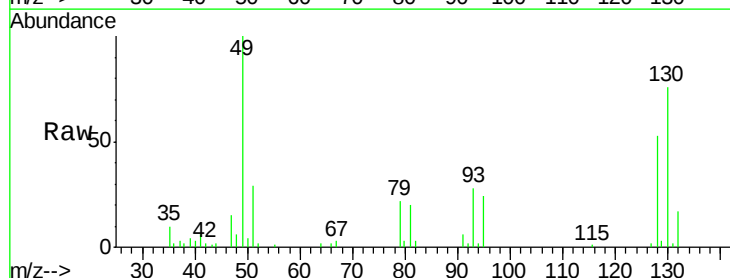
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 22.11 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion	49	Resp	24796
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	79.7	63.5	95.3

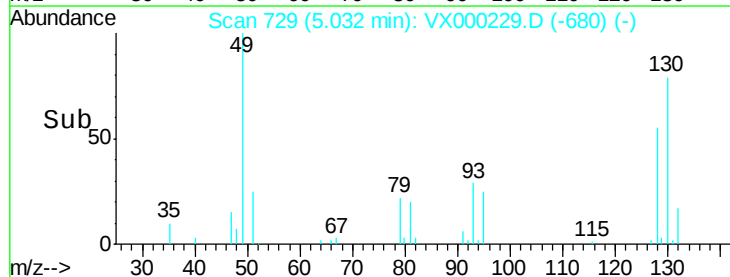
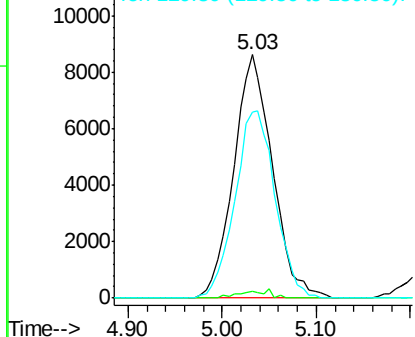


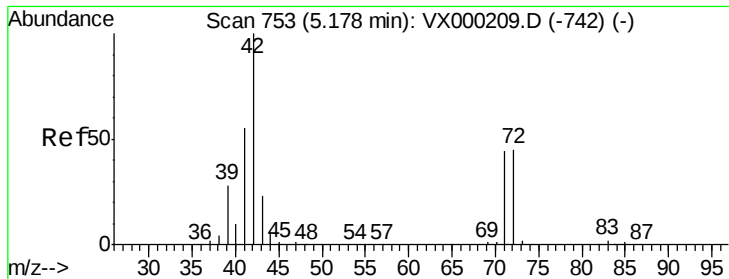
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

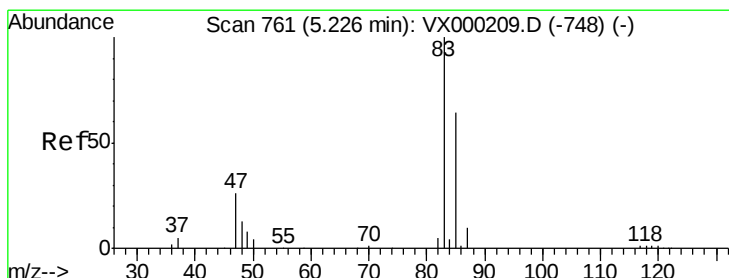
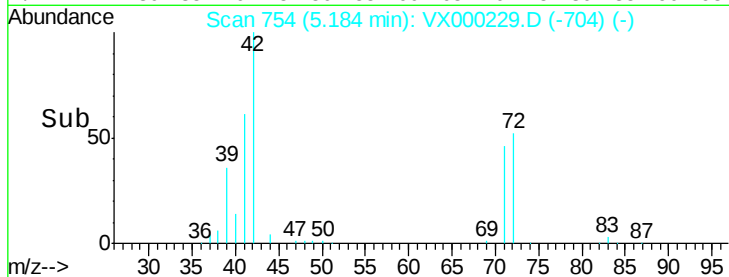
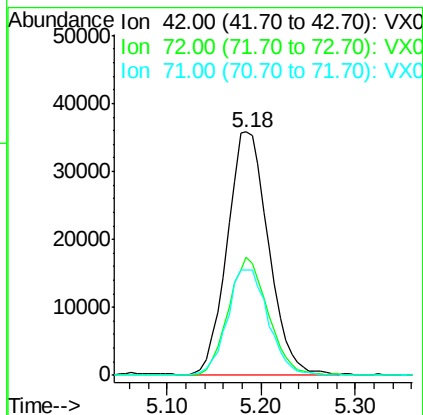
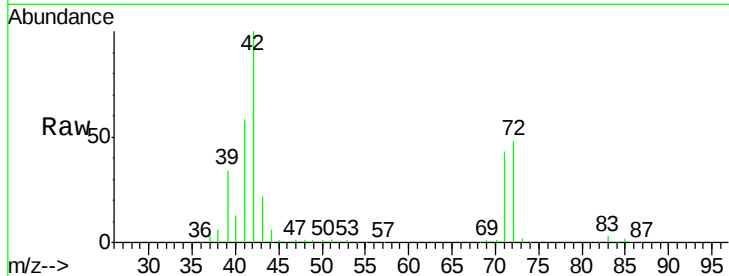




#29
Tetrahydrofuran
Concen: 109.88 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

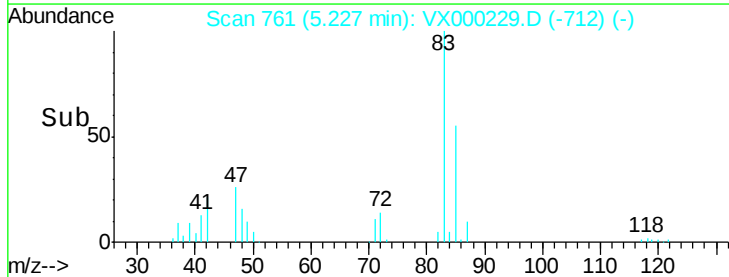
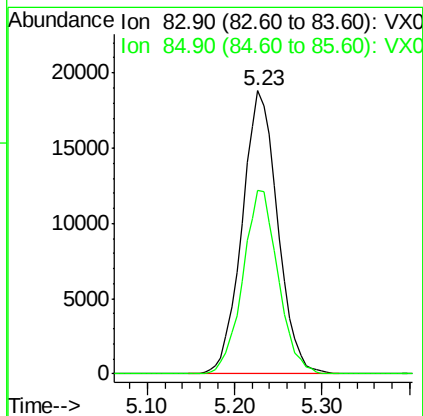
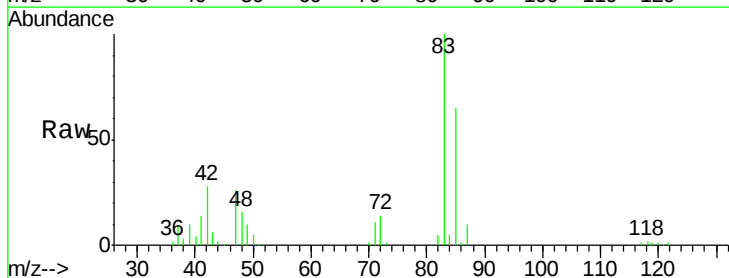
Instrument :
MSVOA_X
ClientSampled :

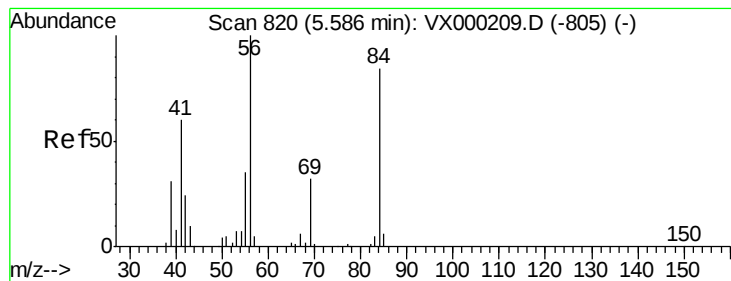
Tot Ion: 42 Resp: 109061
Ion Ratio Lower Upper
42 100
72 46.6 37.3 55.9
71 43.3 35.0 52.4



#30
Chloroform
Concen: 20.83 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 83 Resp: 53141
Ion Ratio Lower Upper
83 100
85 64.9 51.0 76.6





#31

Cyclohexane

Concen: 21.34 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampleId :

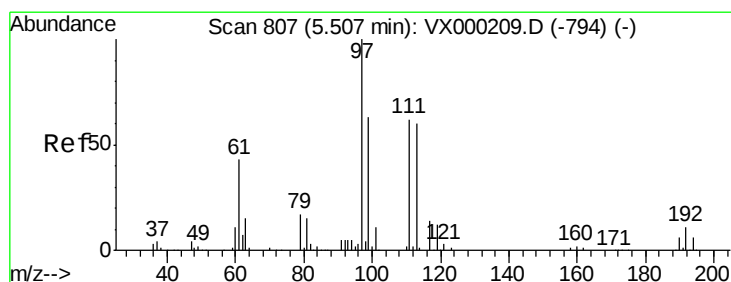
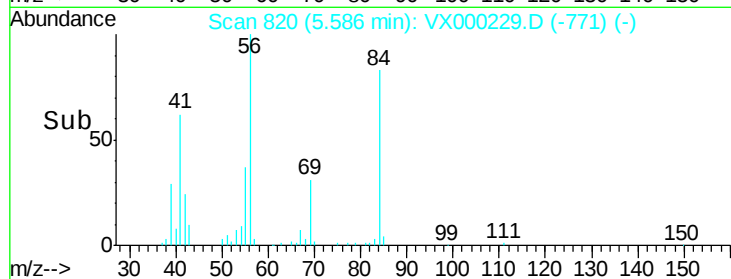
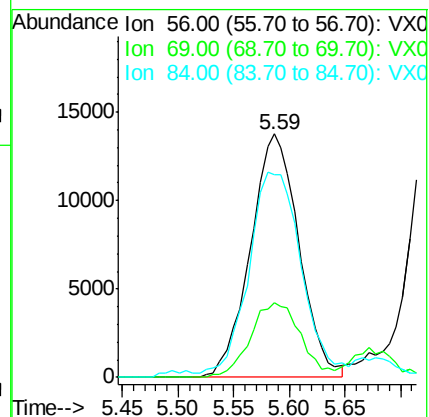
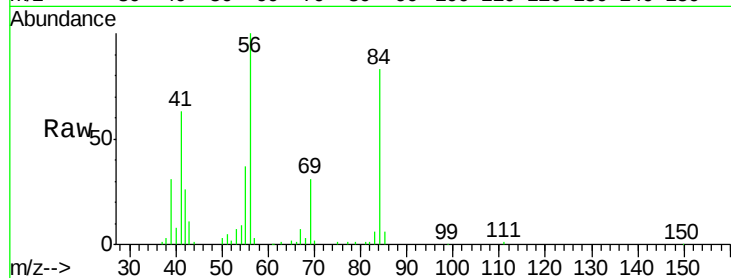
Tot Ion: 56 Resp: 41630

Ion Ratio Lower Upper

56 100

69 30.8 25.3 37.9

84 81.1 67.2 100.8



#32

1,1,1-Trichloroethane

Concen: 20.88 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

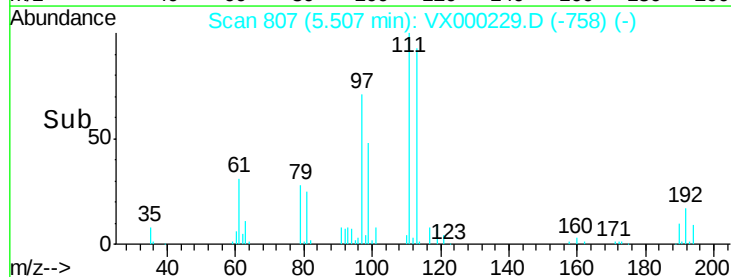
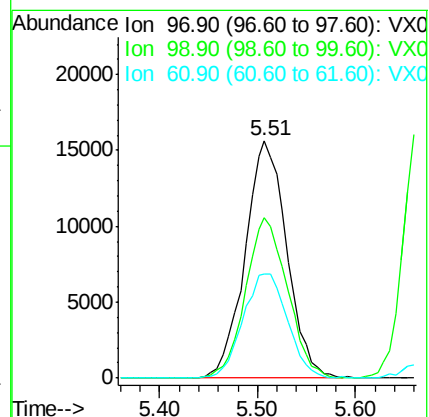
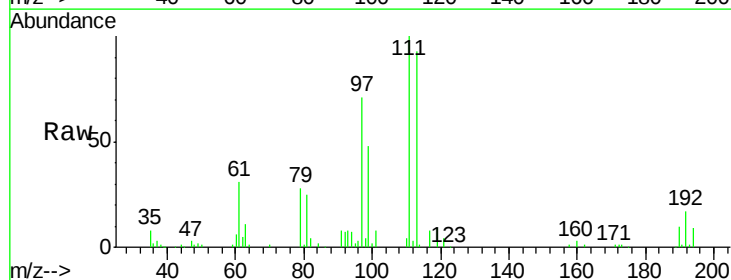
Tgt Ion: 97 Resp: 46180

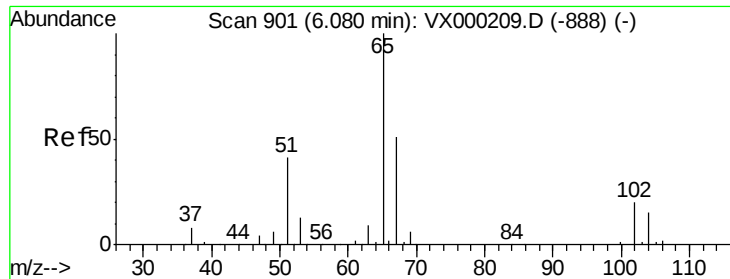
Ion Ratio Lower Upper

97 100

99 67.9 50.9 76.3

61 47.1 35.4 53.0

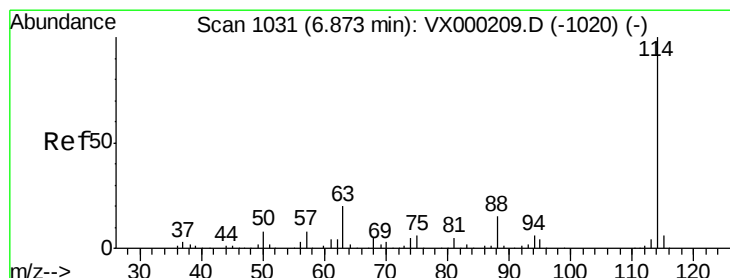
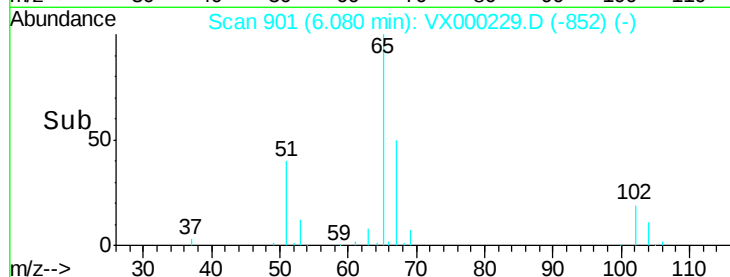
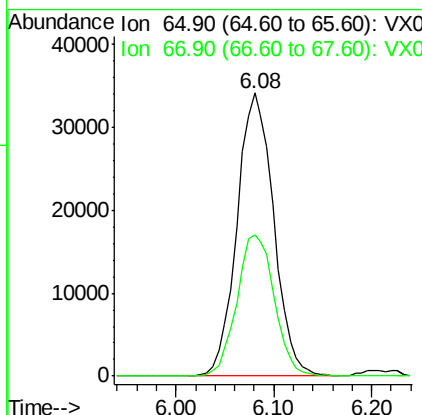
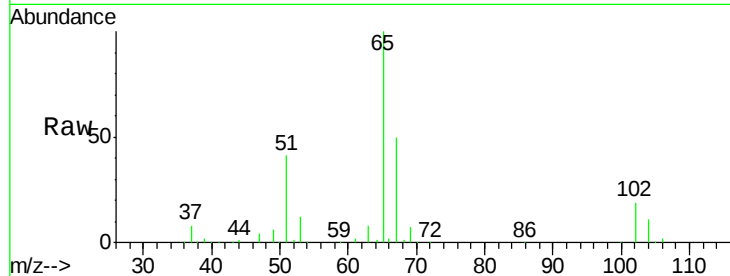




#33
 1,2-Dichloroethane-d4
 Concen: 49.74 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

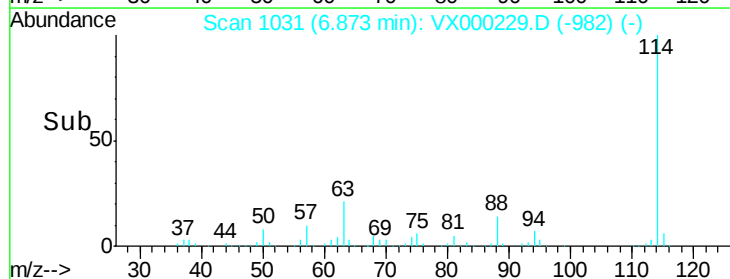
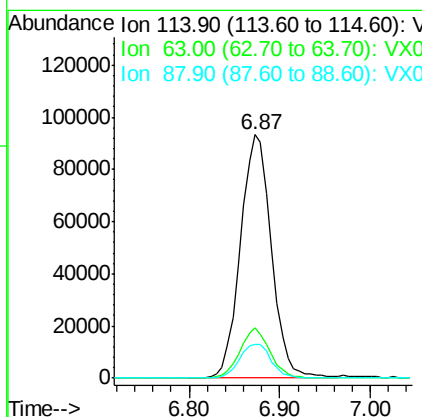
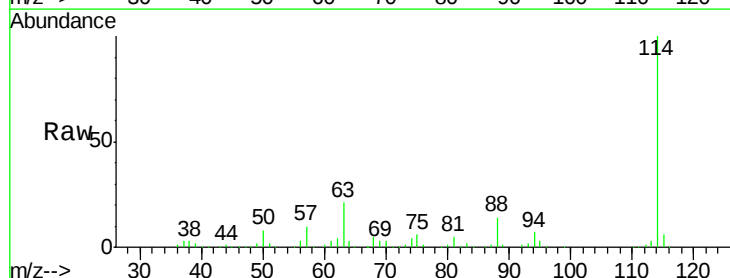
Instrument :
 MSVOA_X
 ClientSampleId :

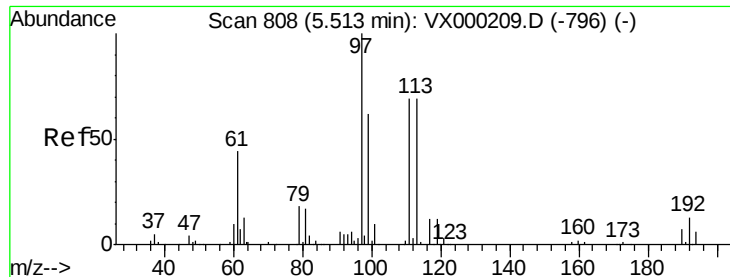
Tot Ion: 65 Resp: 88697
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

Tgt Ion: 114 Resp: 220911
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.2
 88 13.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.70 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

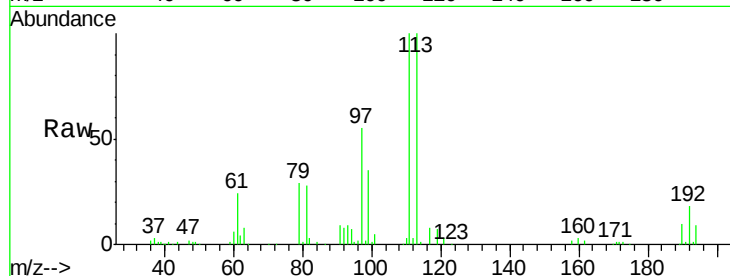
Tot Ion:113 Resp: 67577

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

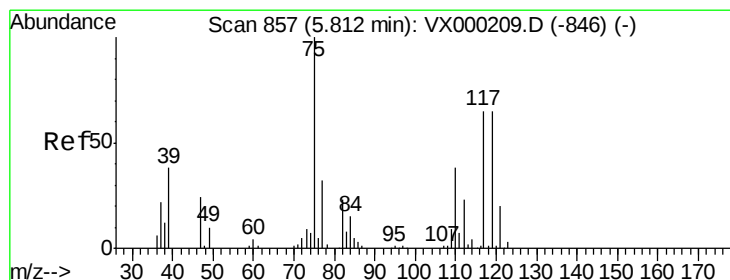
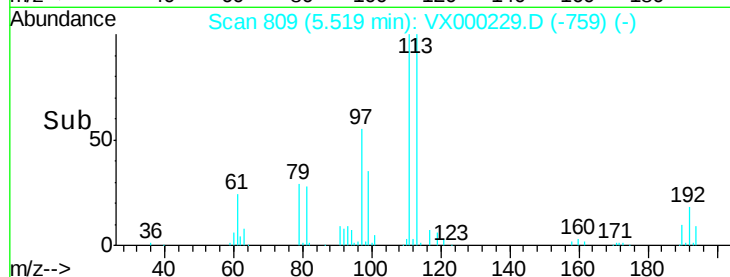
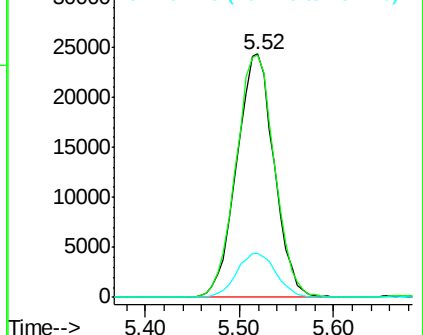
192 19.0 15.5 23.3



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: 19.95 ug/l

RT: 5.81 min Scan# 857

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

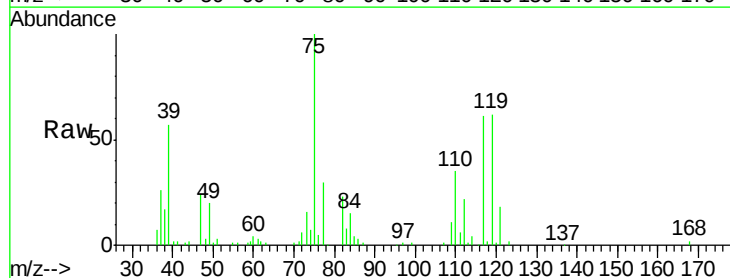
Tgt Ion: 75 Resp: 39220

Ion Ratio Lower Upper

75 100

110 35.2 17.8 53.5

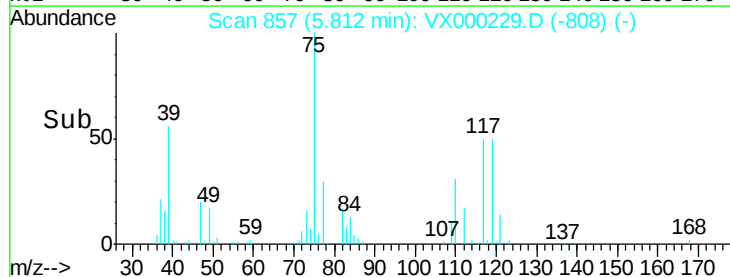
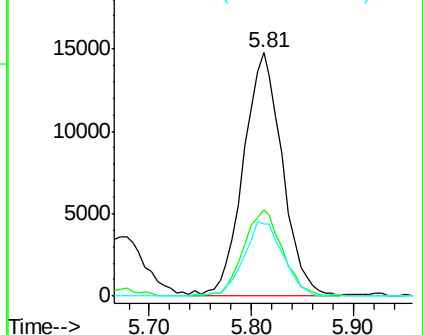
77 30.7 24.9 37.3

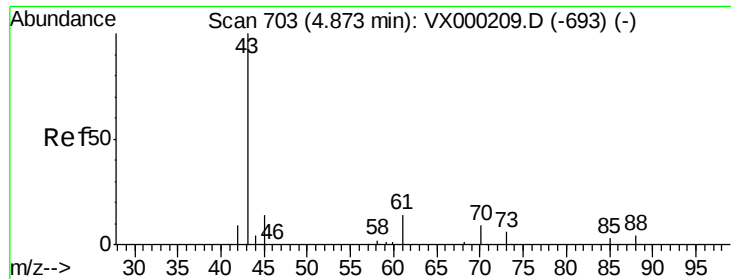


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

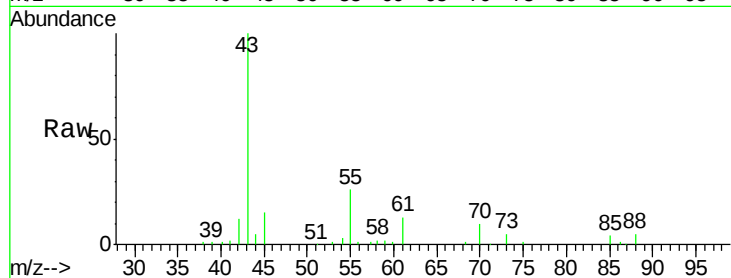




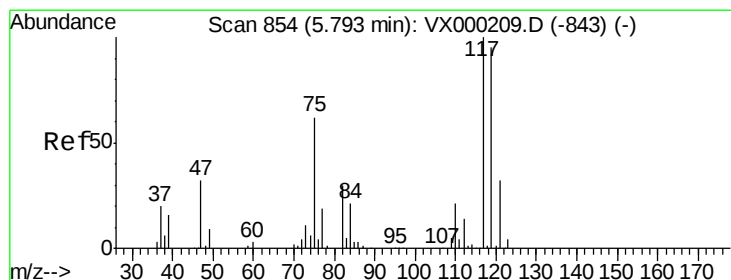
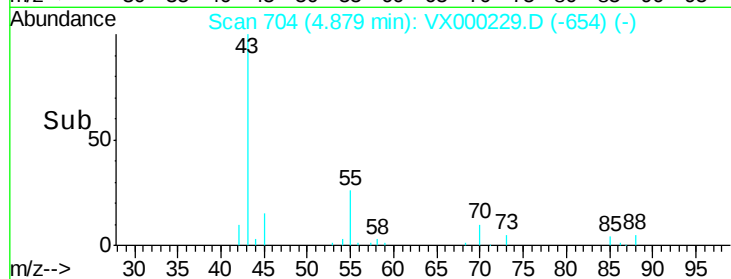
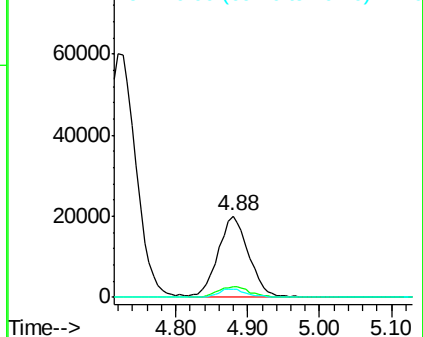
#37
Ethyl Acetate
Concen: 20.94 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 59482
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 9.5 7.8 11.6

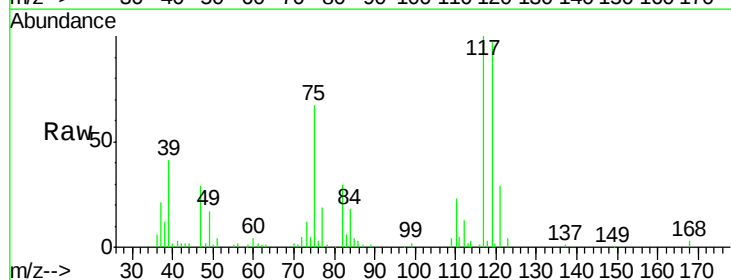


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

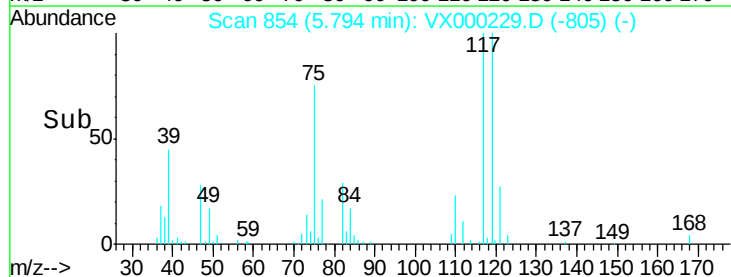
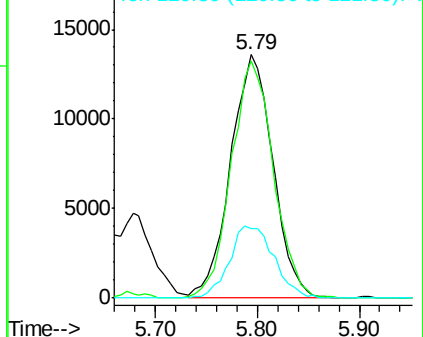


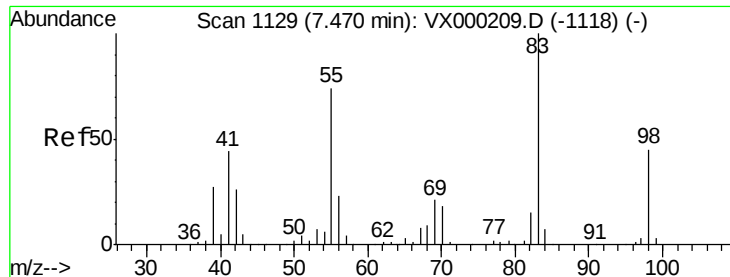
#38
Carbon Tetrachloride
Concen: 19.74 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 117 Resp: 39264
Ion Ratio Lower Upper
117 100
119 97.4 75.9 113.9
121 28.7 25.8 38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

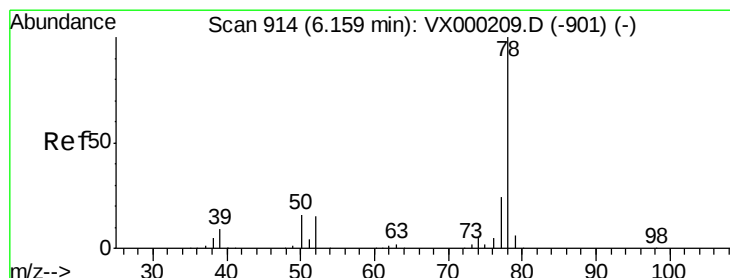
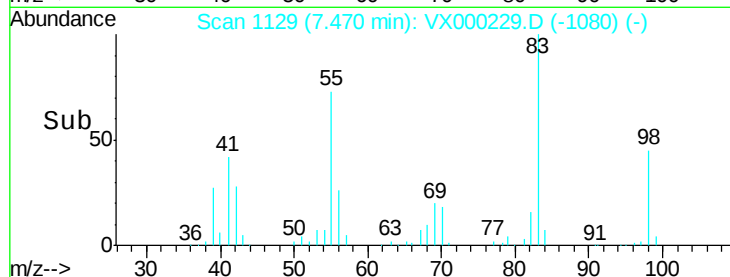
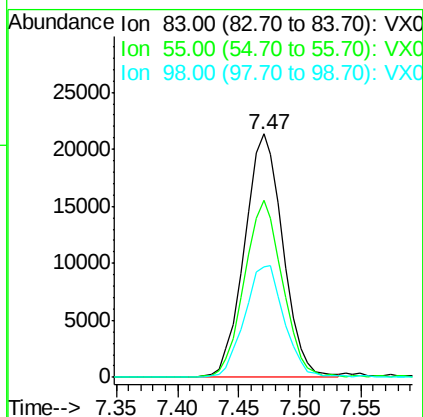
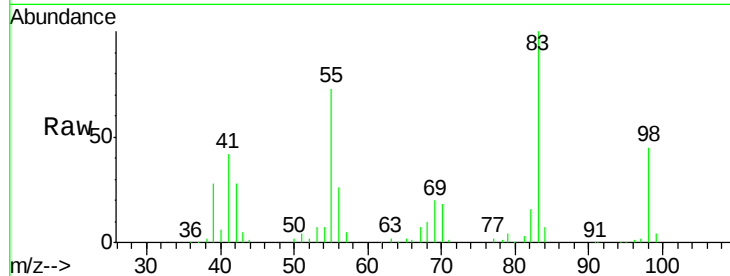




#39
Methvlcvclohexane
Concen: 19.37 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

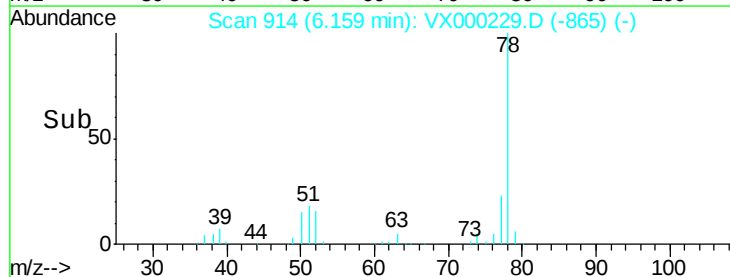
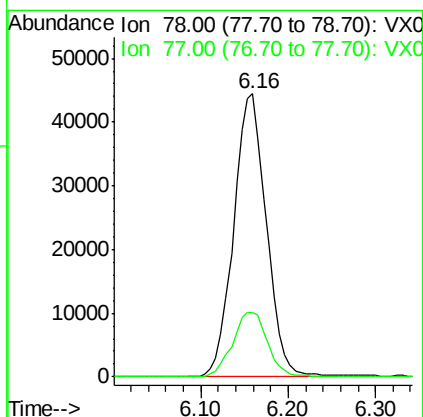
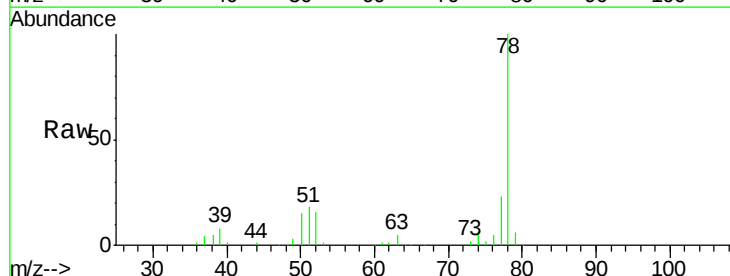
Instrument :
MSVOA_X
ClientSampled :

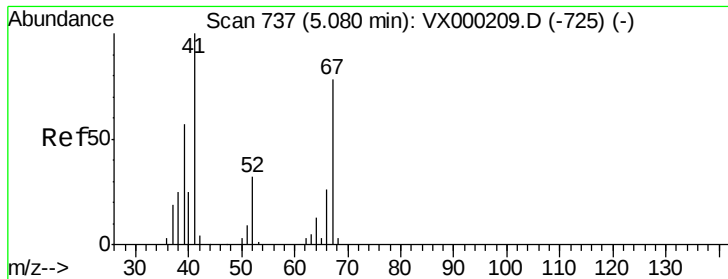
Tot Ion: 83 Resp: 46718
Ion Ratio Lower Upper
83 100
55 72.8 59.4 89.0
98 45.2 36.3 54.5



#40
Benzene
Concen: 20.37 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 78 Resp: 115460
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.2





#41

Methacrylonitrile

Concen: 20.48 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 29660

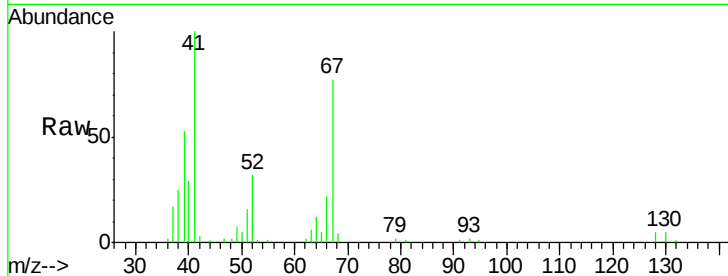
Ion Ratio Lower Upper

41 100

39 57.6 47.8 71.6

67 72.2 59.3 88.9

52 32.5 26.4 39.6

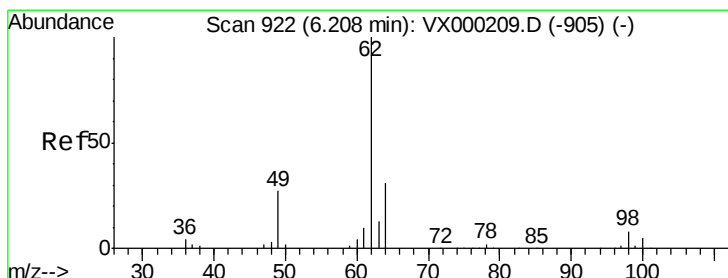
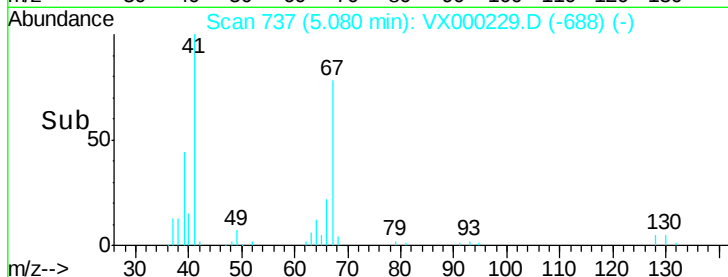
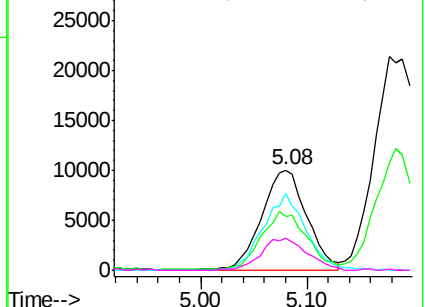


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.54 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX000229.D

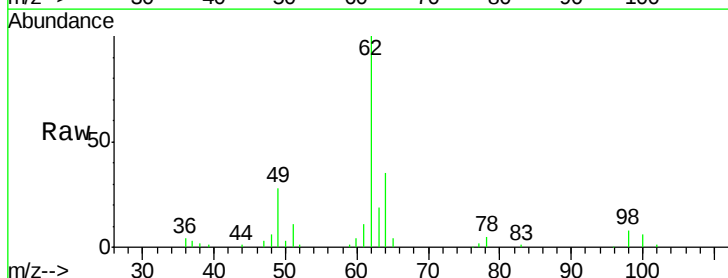
Acq: 08 Mar 2018 19:19

Tgt Ion: 62 Resp: 45675

Ion Ratio Lower Upper

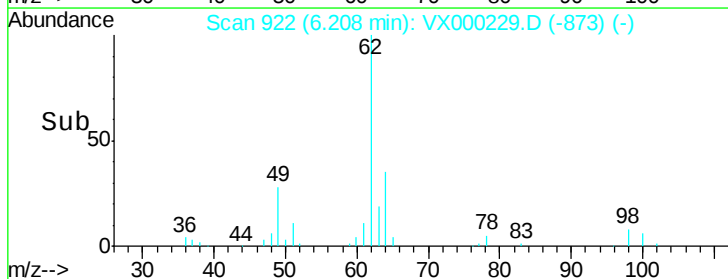
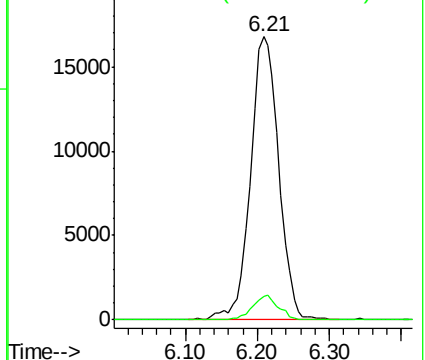
62 100

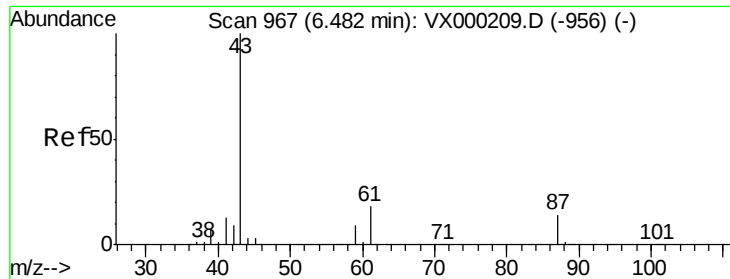
98 7.9 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

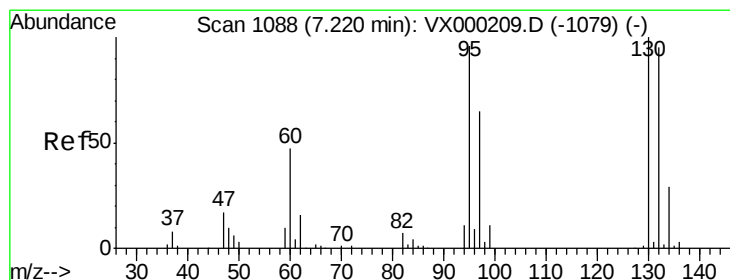
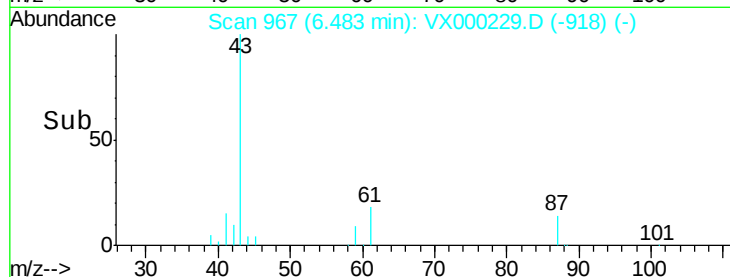
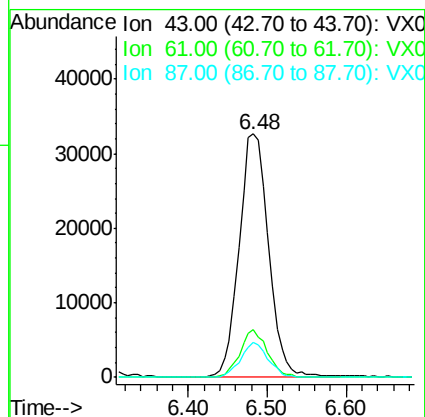
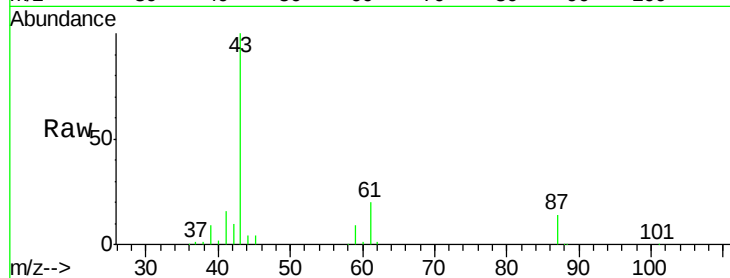




#43
Isopropyl Acetate
Concen: 20.79 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

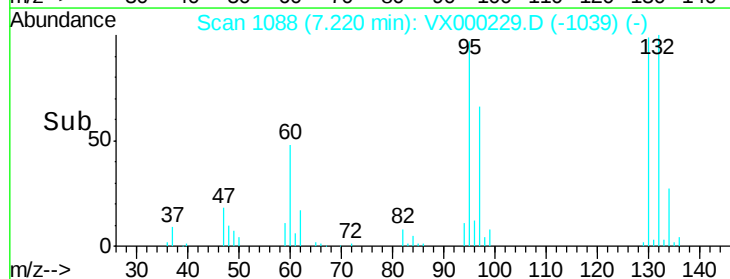
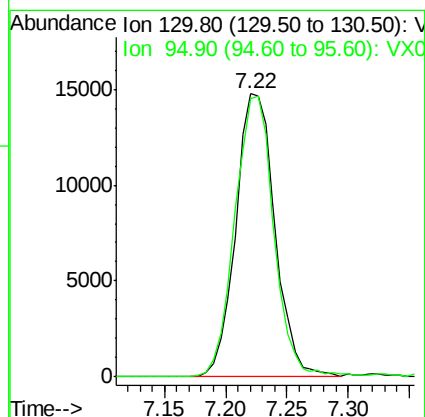
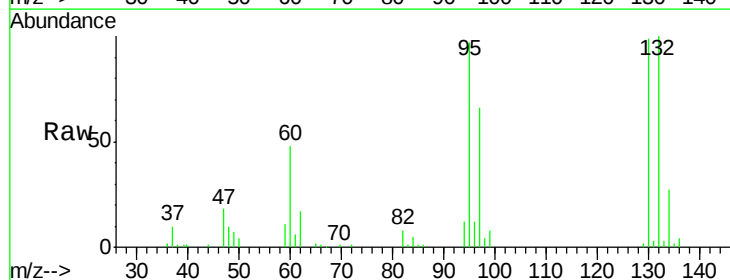
Instrument :
MSVOA_X
ClientSampled :

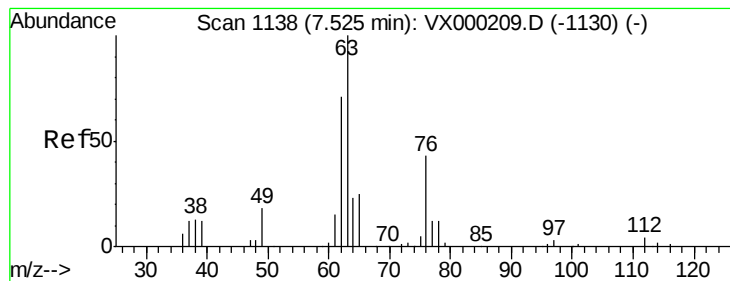
Tot Ion: 43 Resp: 85395
Ion Ratio Lower Upper
43 100
61 17.9 14.8 22.2
87 13.3 10.6 16.0



#44
Trichloroethene
Concen: 20.20 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion:130 Resp: 32775
Ion Ratio Lower Upper
130 100
95 98.2 0.0 191.8





#45

1,2-Dichloropropane

Concen: 20.62 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

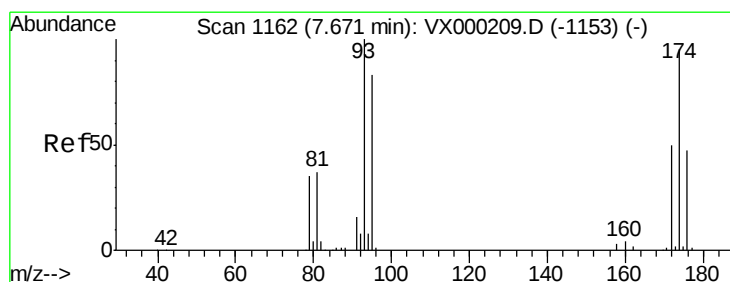
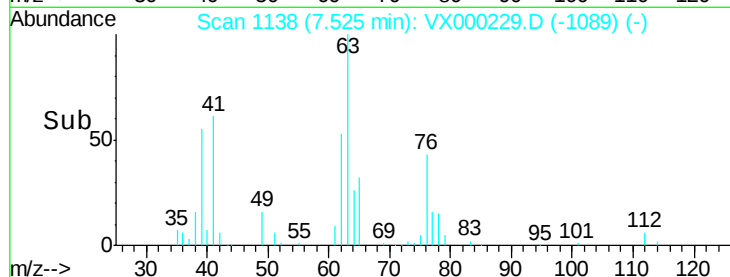
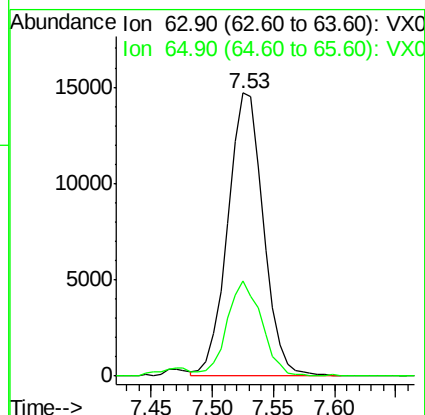
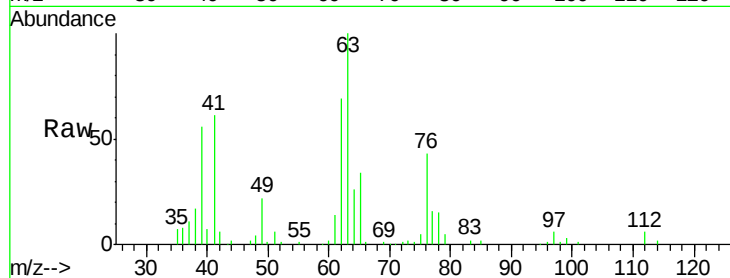
ClientSampled :

Tot Ion: 63 Resp: 29607

Ion Ratio Lower Upper

63 100

65 33.6 22.3 33.5#



#46

Dibromomethane

Concen: 20.38 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

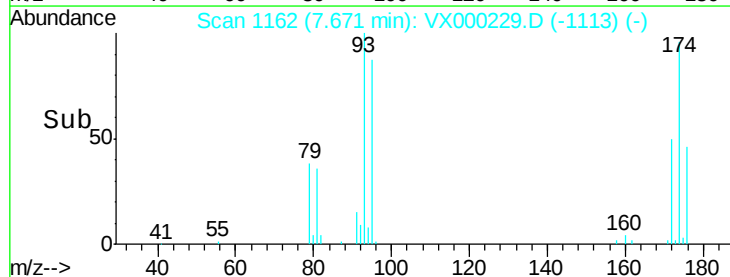
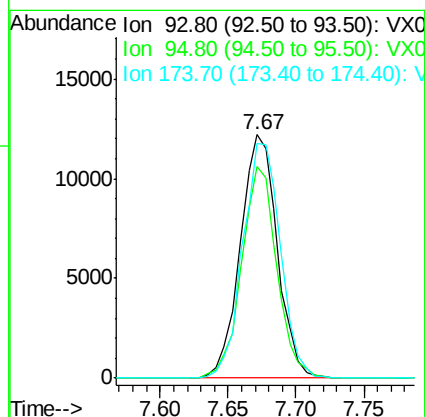
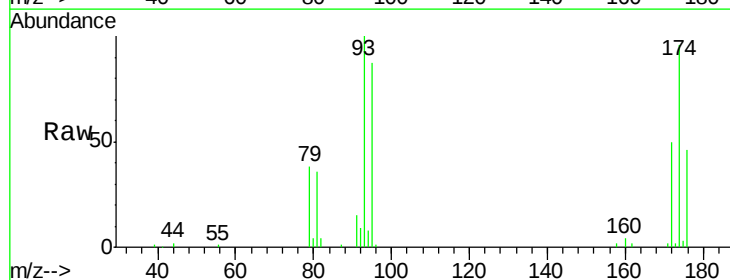
Tgt Ion: 93 Resp: 23154

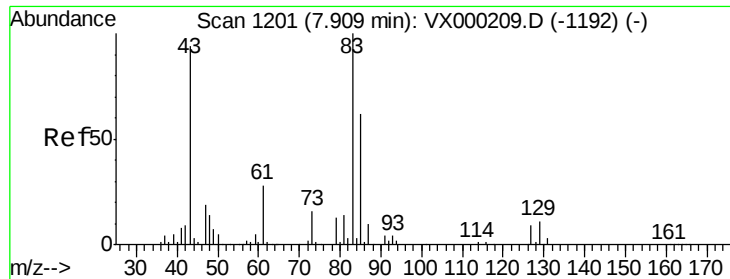
Ion Ratio Lower Upper

93 100

95 83.0 64.1 96.1

174 98.3 75.8 113.8





#47

Bromodichloromethane

Concen: 20.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampleId :

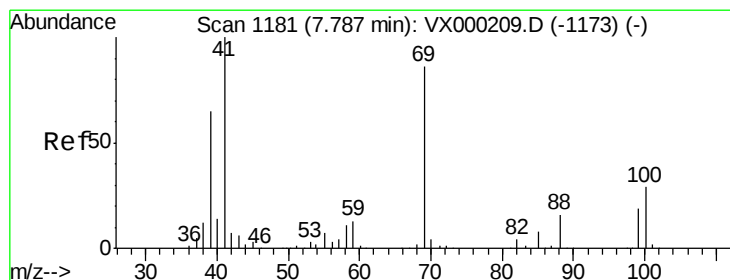
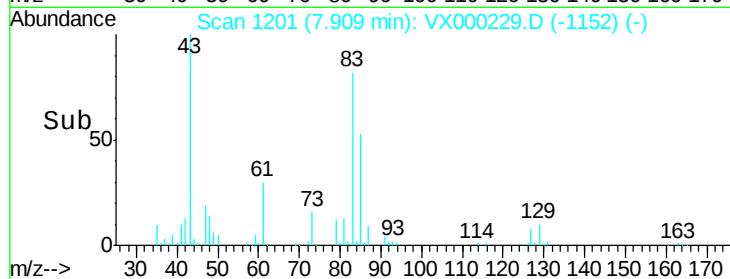
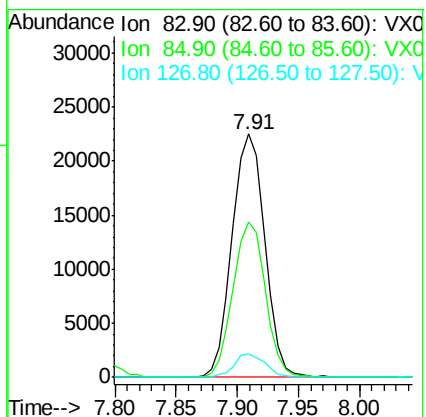
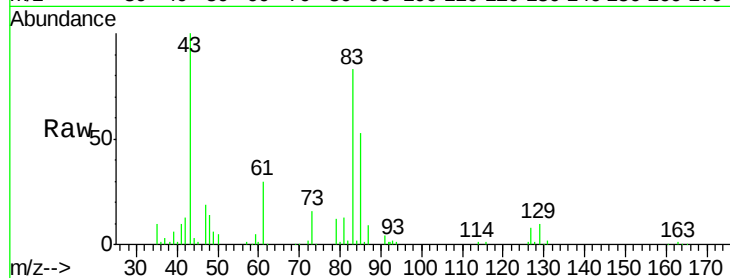
Tot Ion: 83 Resp: 41805

Ion Ratio Lower Upper

83 100

85 63.9 49.6 74.4

127 9.5 7.0 10.4



#48

Methyl methacrylate

Concen: 20.56 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

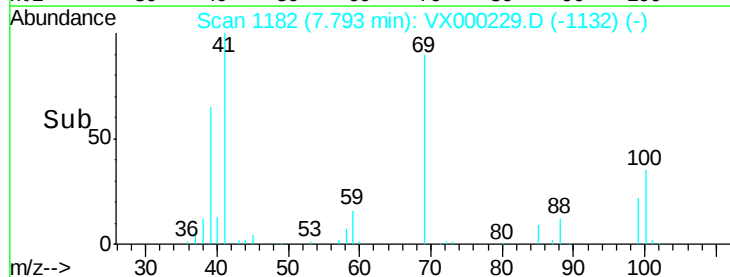
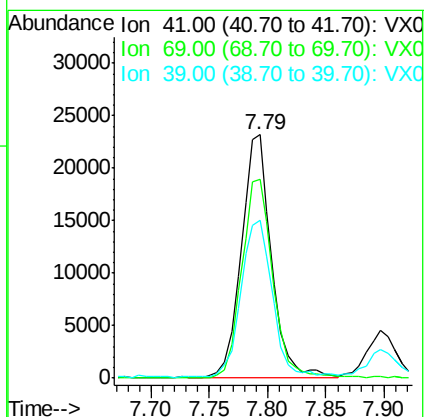
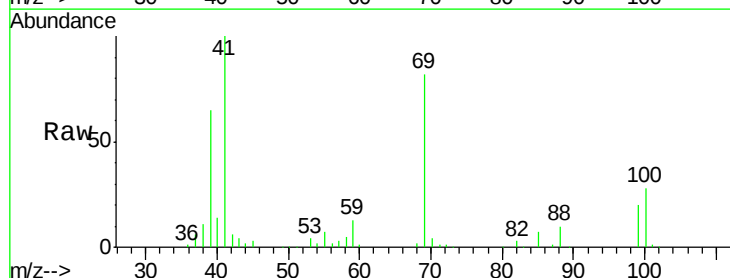
Tgt Ion: 41 Resp: 41588

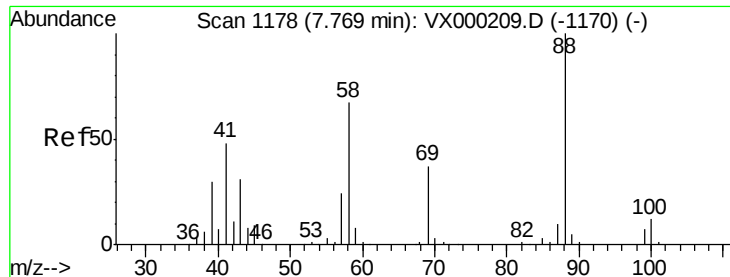
Ion Ratio Lower Upper

41 100

69 84.8 70.0 105.0

39 66.8 53.6 80.4

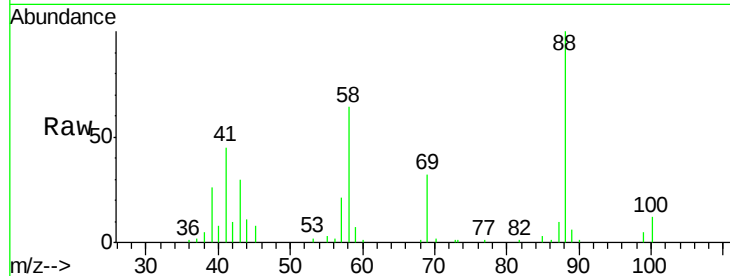




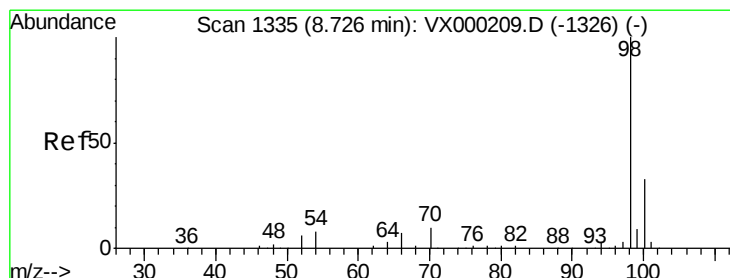
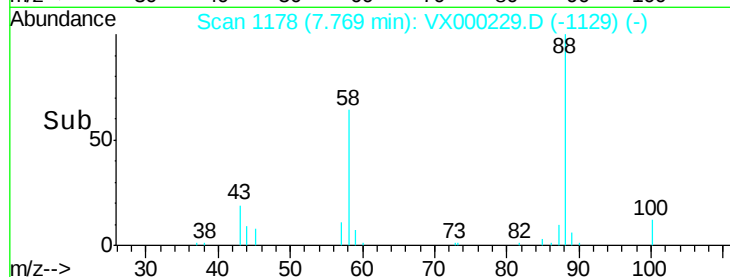
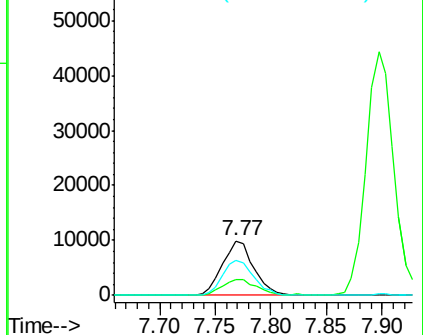
#49
1,4-Dioxane
Concen: 420.41 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 19307
Ion Ratio Lower Upper
88 100
43 33.0 26.9 40.3
58 65.2 52.2 78.4

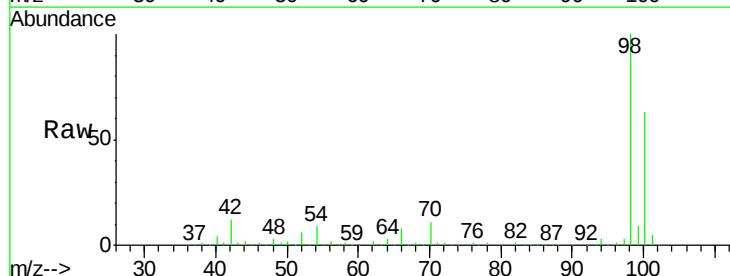


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

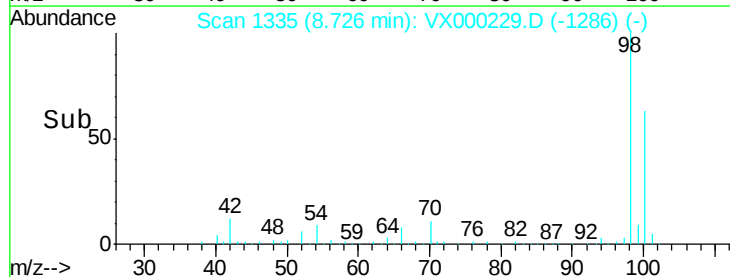
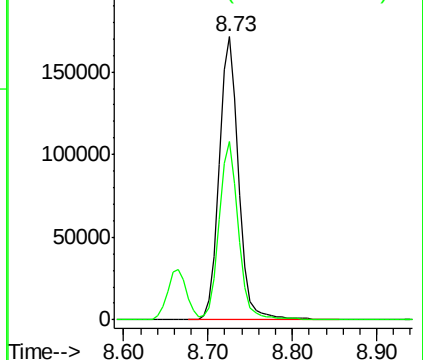


#50
Toluene-d8
Concen: 47.59 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 98 Resp: 273545
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



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: 107.27 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

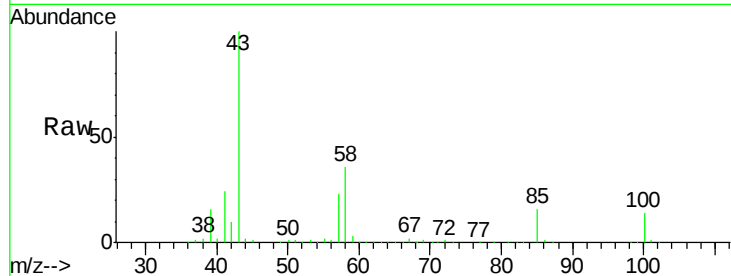
ClientSampleId :

Tot Ion: 43 Resp: 332541

Ion Ratio Lower Upper

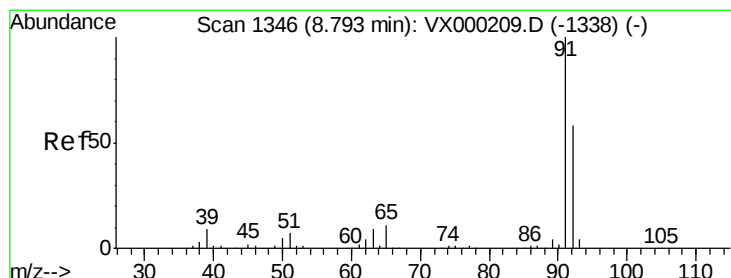
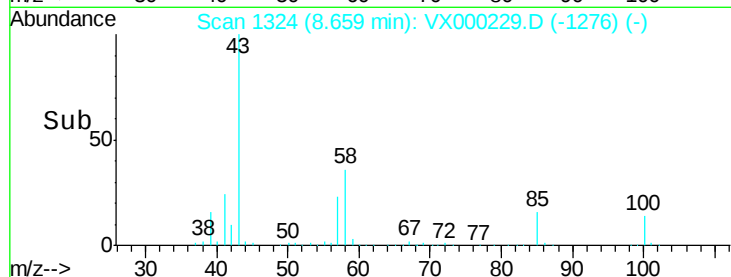
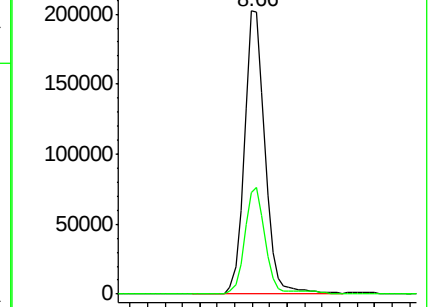
43 100

58 36.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.23 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000229.D

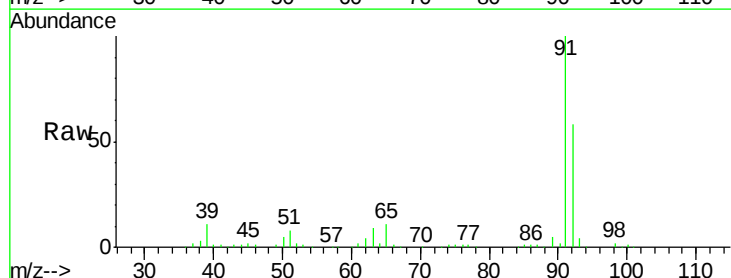
Acq: 08 Mar 2018 19:19

Tgt Ion: 92 Resp: 78603

Ion Ratio Lower Upper

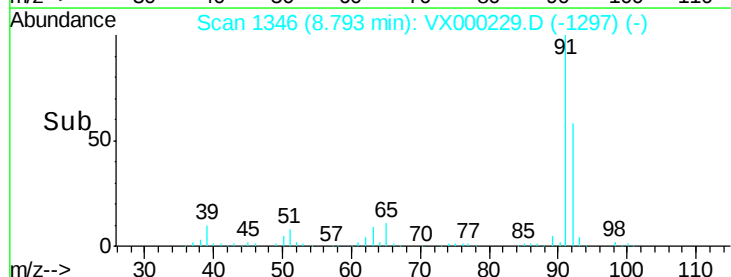
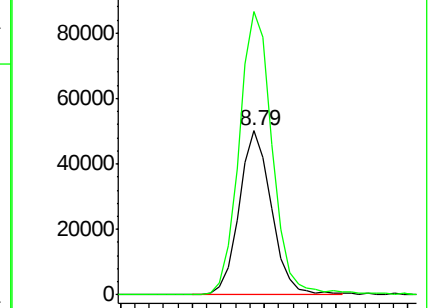
92 100

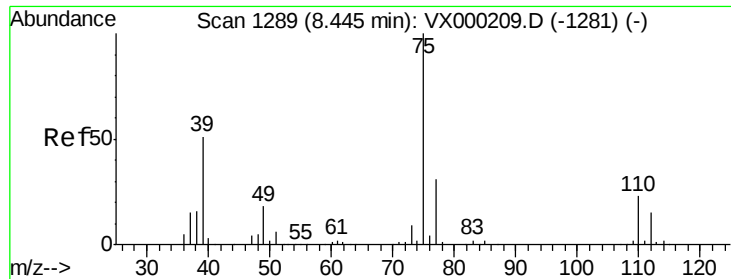
91 178.0 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

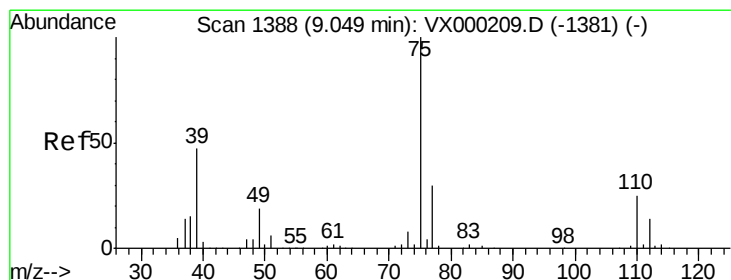
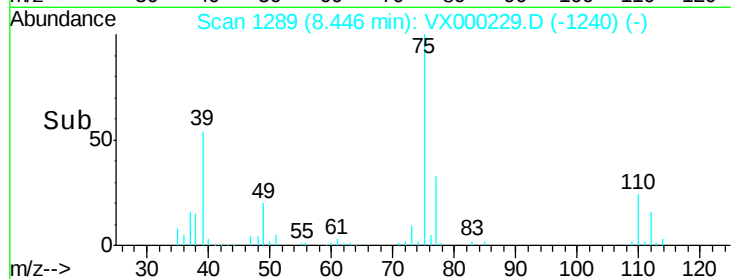
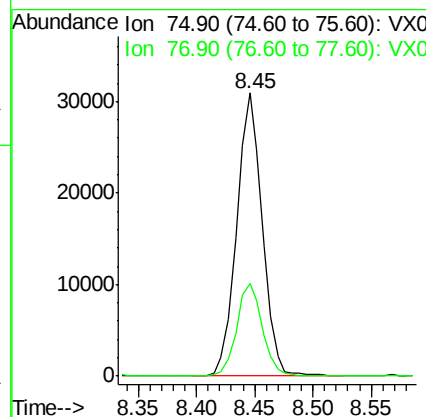
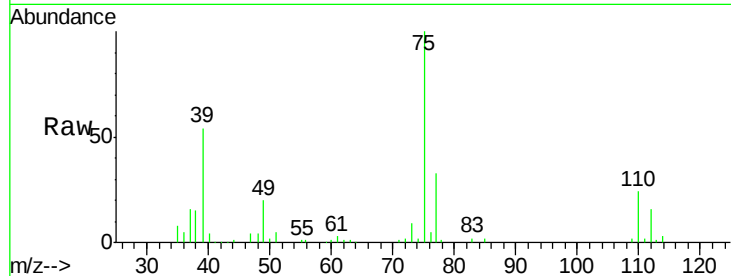




#53
 t-1,3-Dichloropropene
 Concen: 20.08 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

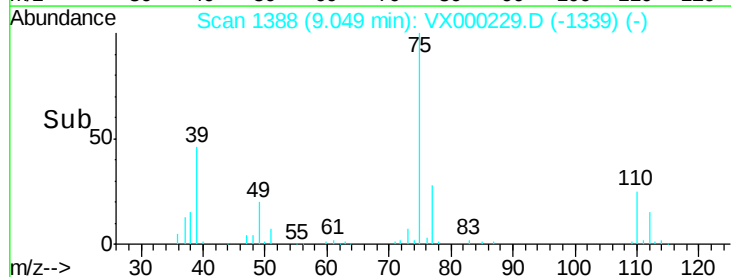
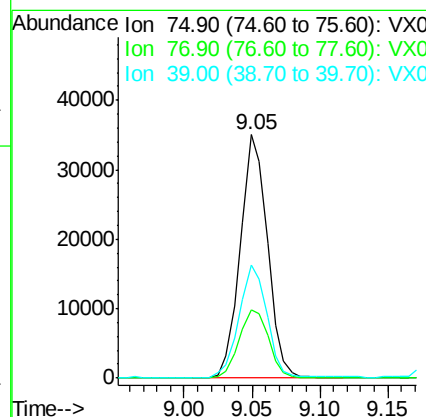
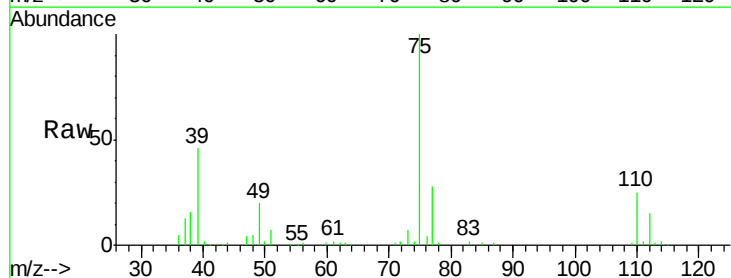
Instrument :
 MSVOA_X
 ClientSampleId :

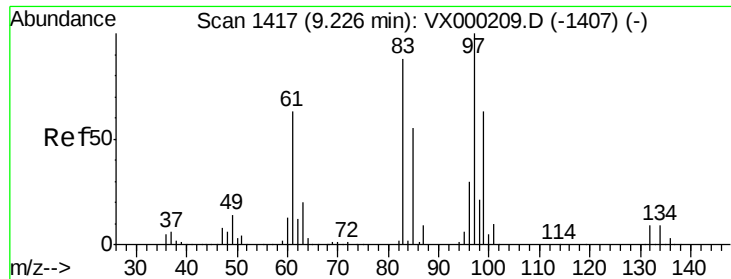
Tot Ion: 75 Resp: 47292
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.48 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

Tgt Ion: 75 Resp: 48940
 Ion Ratio Lower Upper
 75 100
 77 28.0 23.9 35.9
 39 46.1 37.4 56.2

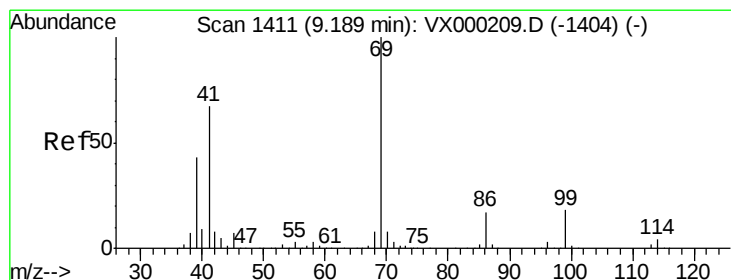
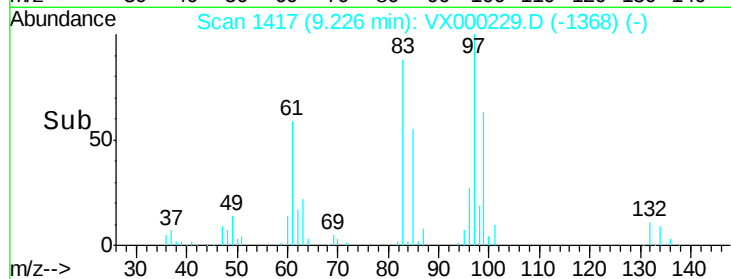
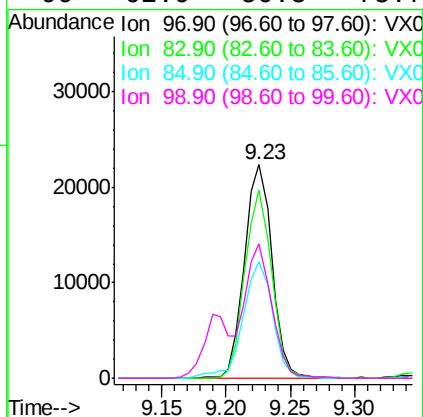
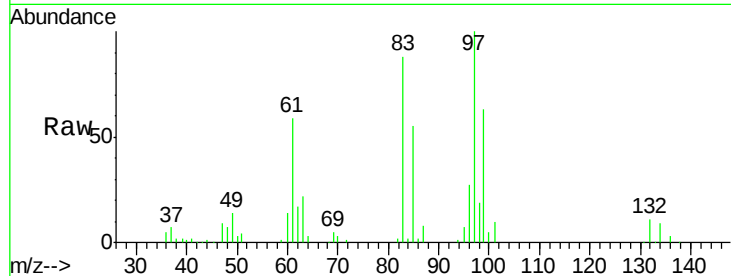




#55
 1,1,2-Trichloroethane
 Concen: 20.97 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

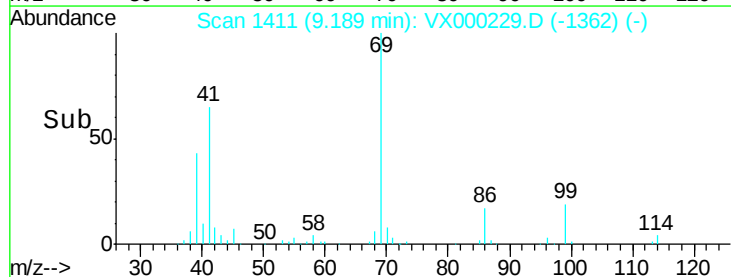
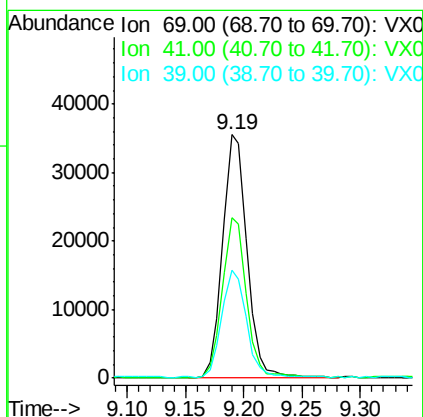
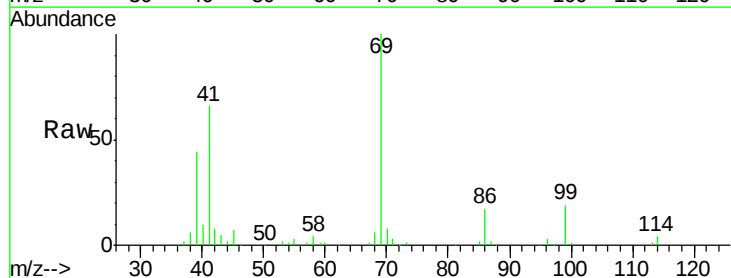
Instrument :
 MSVOA_X
 ClientSampleId :

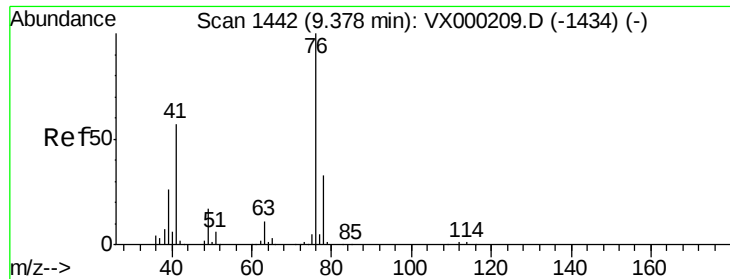
Tot Ion:	97	Resp:	33007
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.4	105.6
85	54.8	43.9	65.9
99	62.9	50.5	75.7



#56
 Ethyl methacrylate
 Concen: 22.04 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

Tgt Ion:	69	Resp:	51901
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.2	78.2
39	44.9	34.3	51.5





#57

1,3-Dichloropropane

Concen: 20.74 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

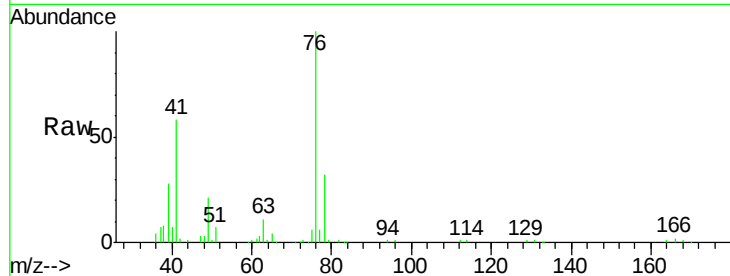
ClientSampled :

Tot Ion: 76 Resp: 54808

Ion Ratio Lower Upper

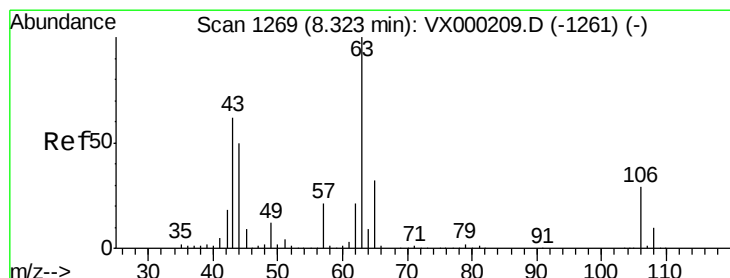
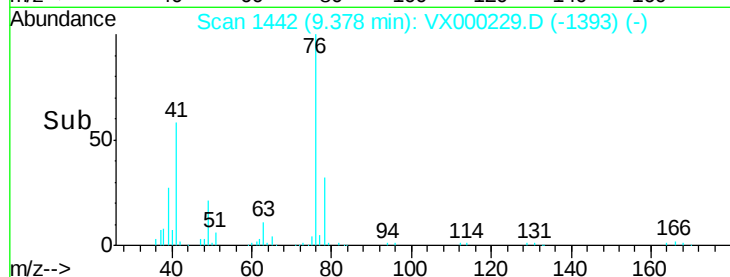
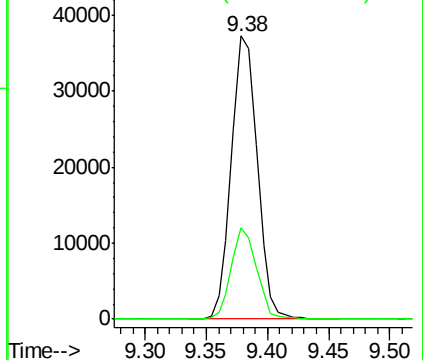
76 100

78 31.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.26 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000229.D

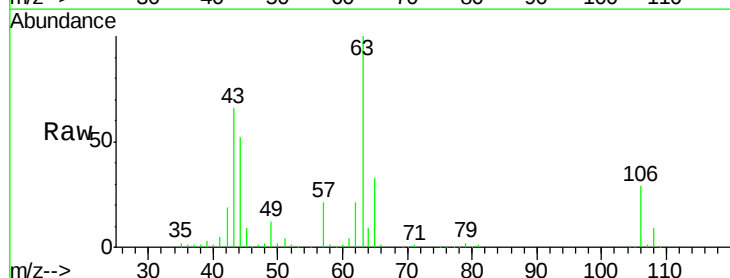
Acq: 08 Mar 2018 19:19

Tgt Ion: 63 Resp: 122780

Ion Ratio Lower Upper

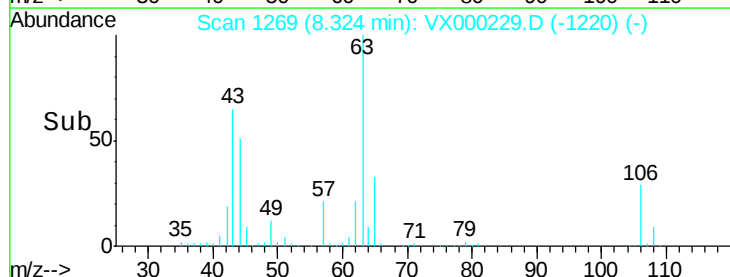
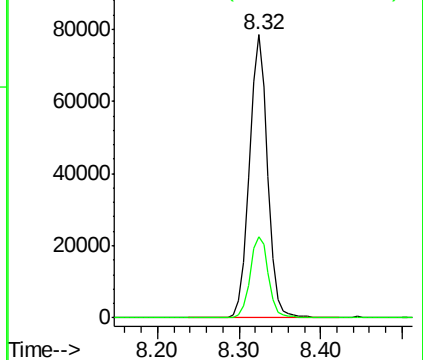
63 100

106 29.1 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

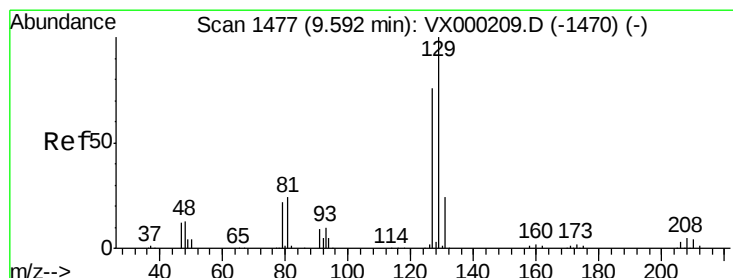
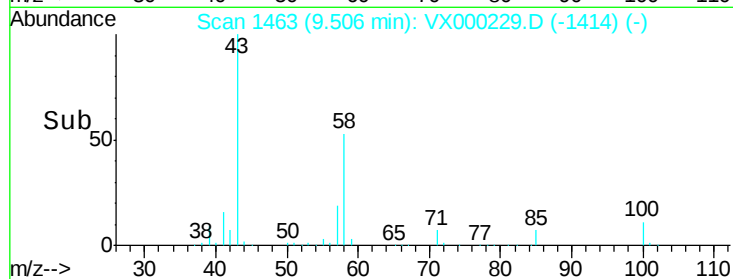
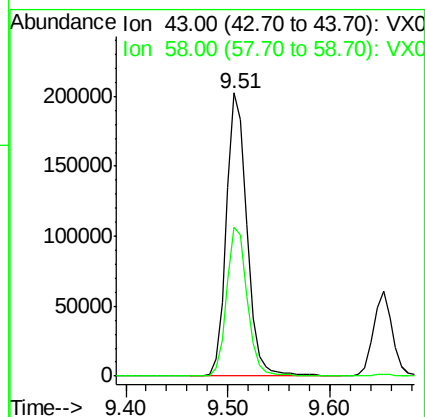
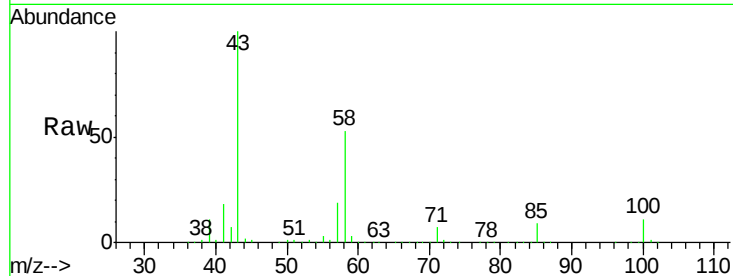




#59
2-Hexanone
Concen: 107.05 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

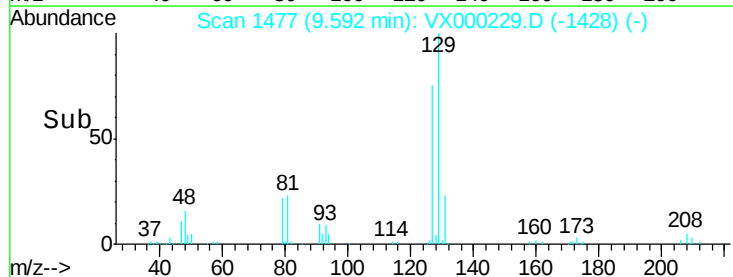
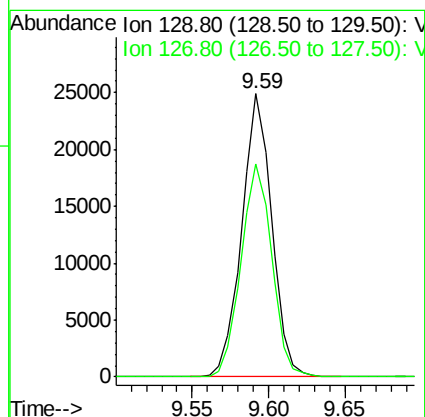
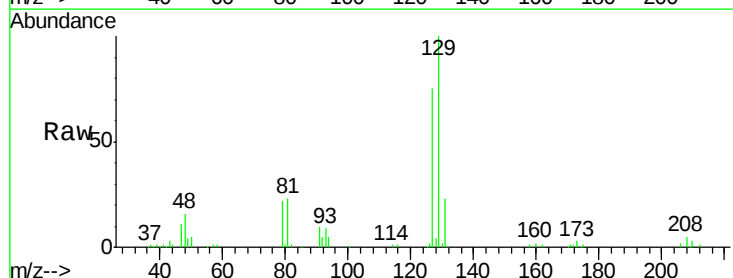
Instrument :
MSVOA_X
ClientSampleId :

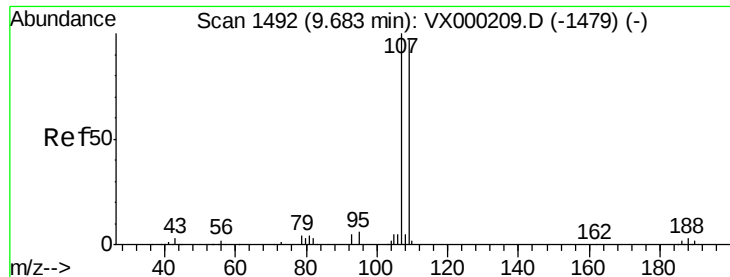
Tot Ion: 43 Resp: 282954
Ion Ratio Lower Upper
43 100
58 52.8 26.6 79.7



#60
Dibromochloromethane
Concen: 20.43 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion:129 Resp: 33906
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.03 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

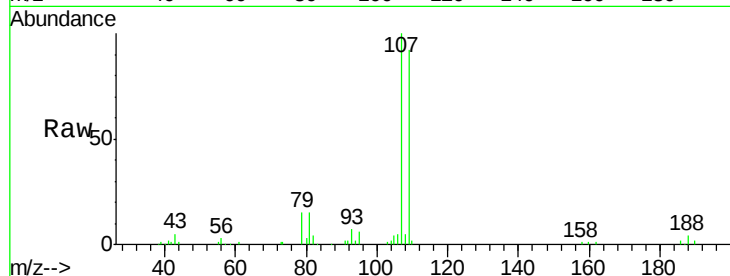
ClientSampleId :

Tot Ion:107 Resp: 36751

Ion Ratio Lower Upper

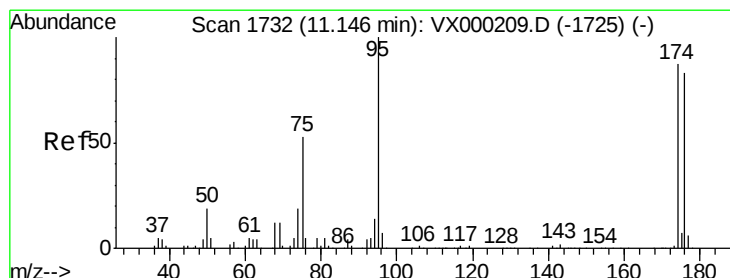
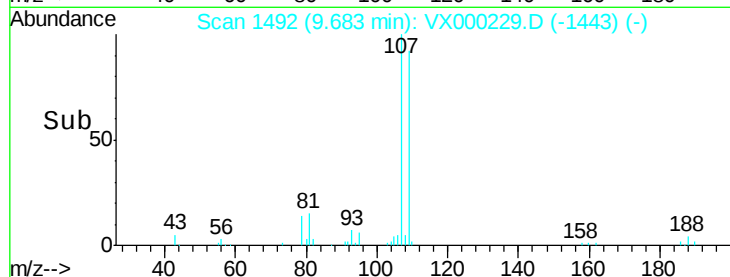
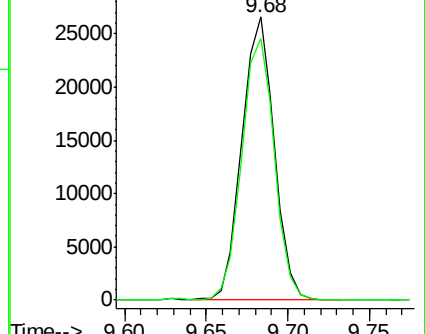
107 100

109 93.2 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.73 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

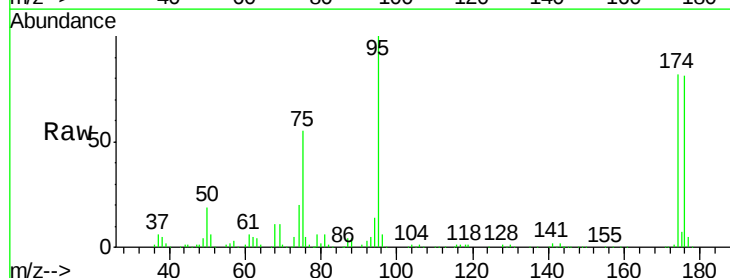
Tgt Ion: 95 Resp: 104825

Ion Ratio Lower Upper

95 100

174 82.2 0.0 175.6

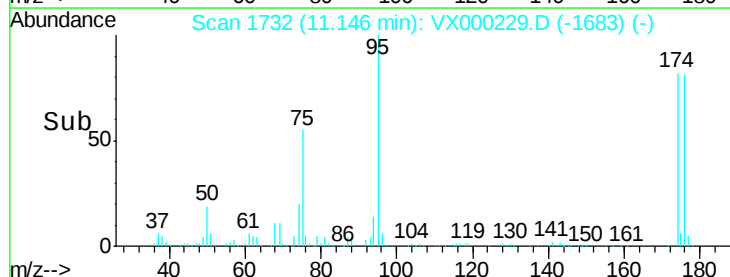
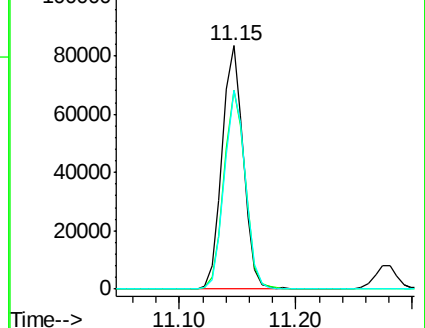
176 81.3 0.0 171.0

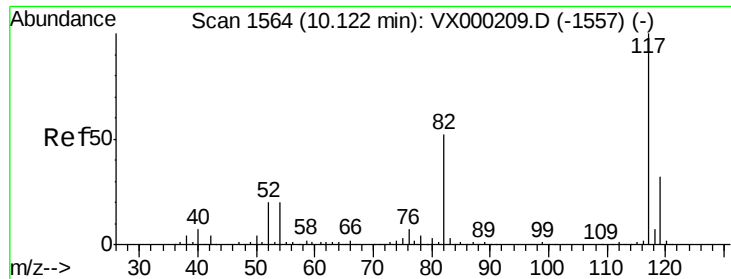


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

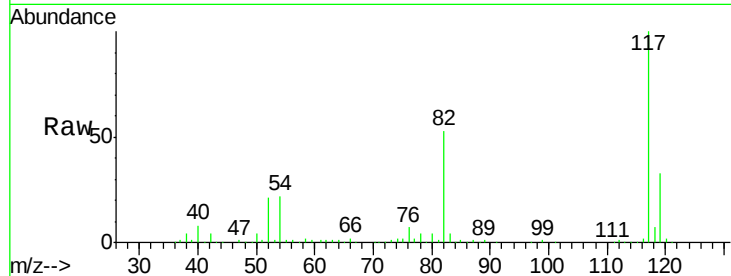




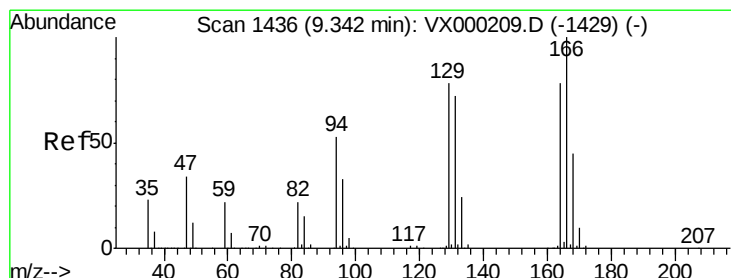
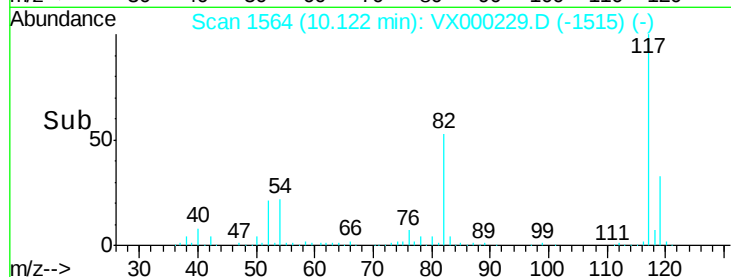
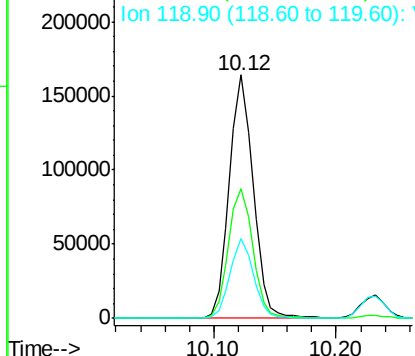
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 222701
Ion Ratio Lower Upper
117 100
82 53.5 42.0 63.0
119 32.9 25.3 37.9

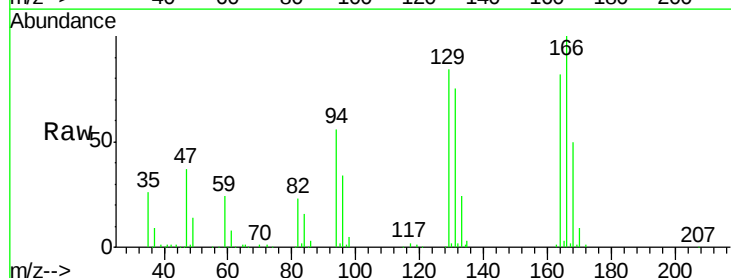


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

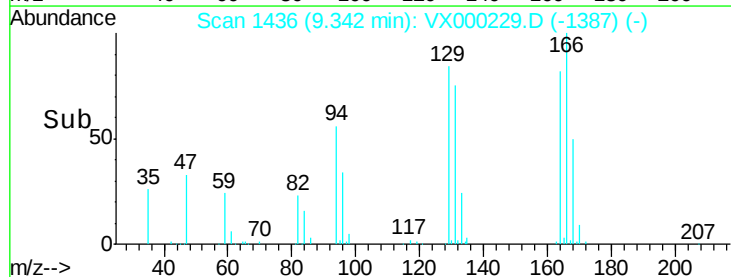
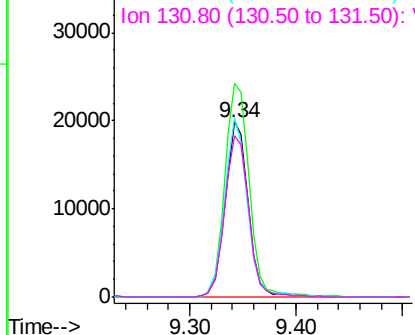


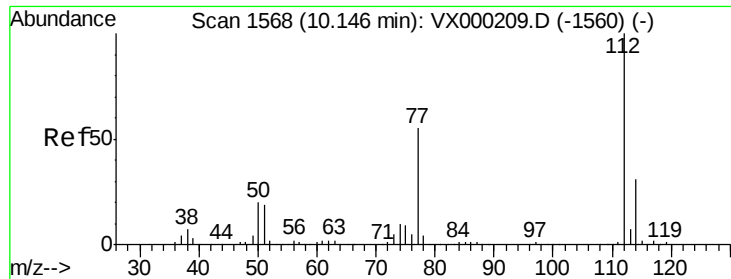
#64
Tetrachloroethene
Concen: 19.46 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion:164 Resp: 30323
Ion Ratio Lower Upper
164 100
166 122.1 103.0 154.6
129 102.6 80.2 120.4
131 92.0 74.2 111.4



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: 21.31 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

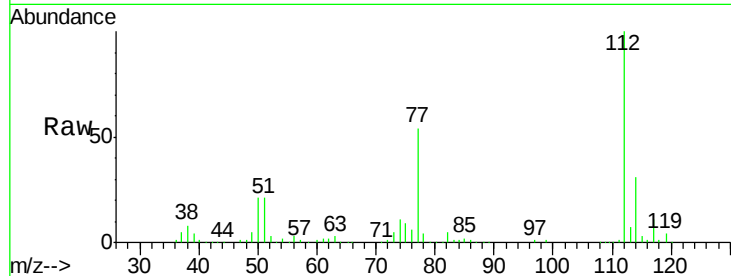
ClientSampleId :

Tot Ion:112 Resp: 95846

Ion Ratio Lower Upper

112 100

114 31.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

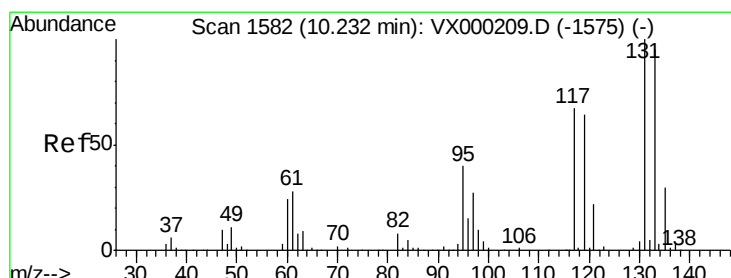
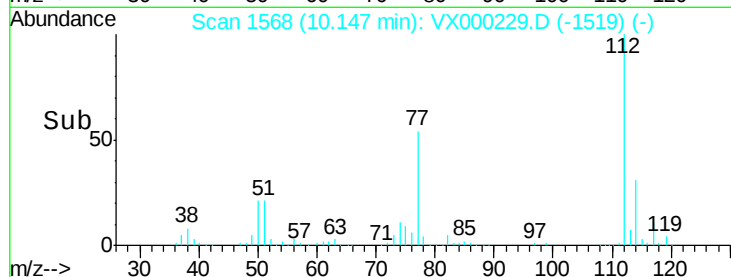
80000

60000

40000

20000

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.59 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

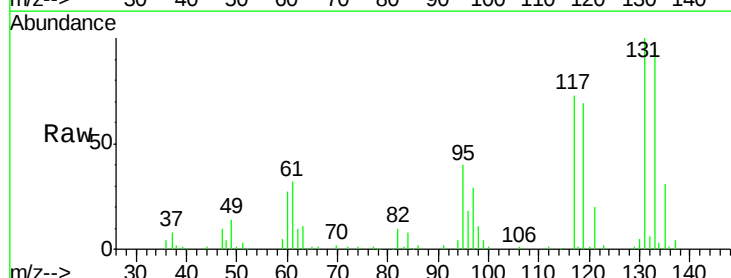
Tgt Ion:131 Resp: 31661

Ion Ratio Lower Upper

131 100

133 96.1 48.3 144.9

119 67.6 32.3 96.8



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

10.23

30000

25000

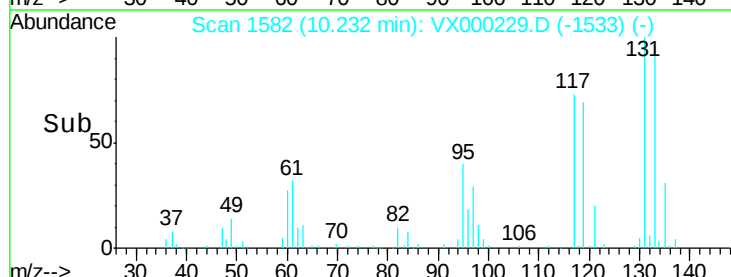
20000

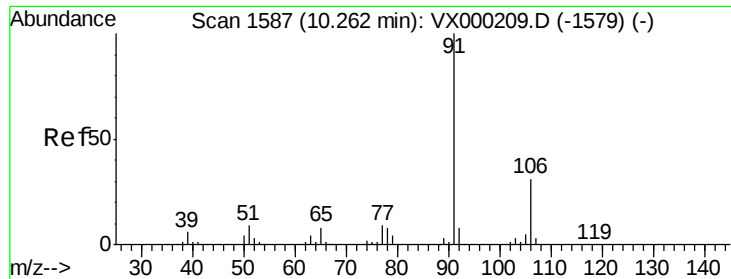
15000

10000

5000

Time-->

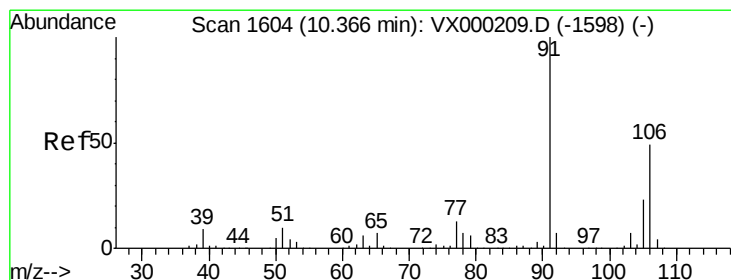
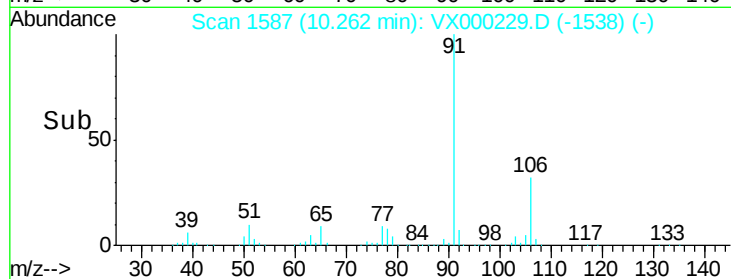
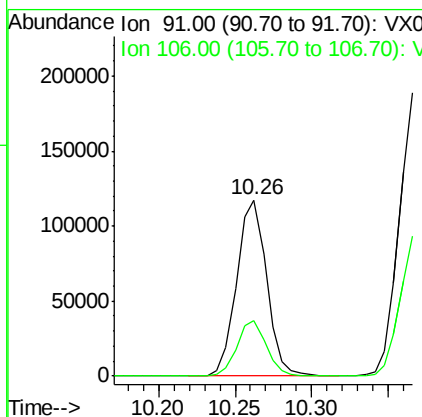
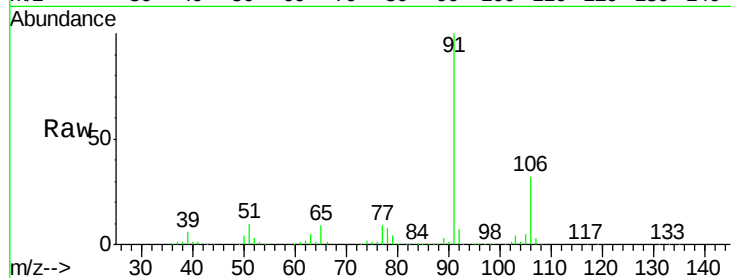




#67
Ethyl Benzene
Concen: 20.38 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

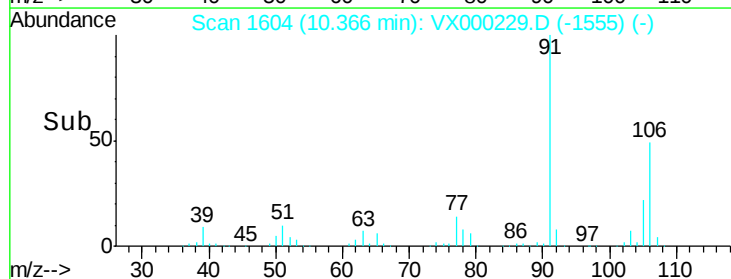
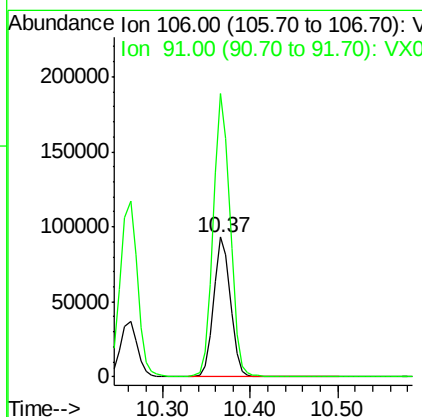
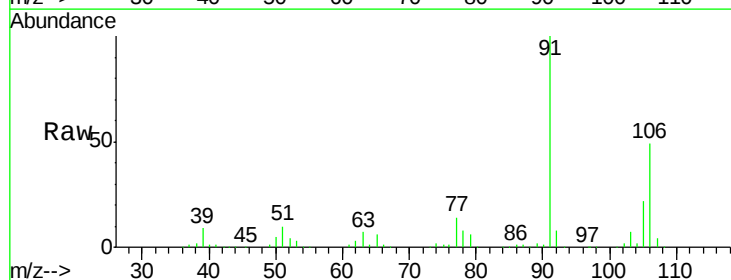
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 159969
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8



#68
m/p-Xylenes
Concen: 41.23 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 106 Resp: 124550
Ion Ratio Lower Upper
106 100
91 203.1 160.9 241.3

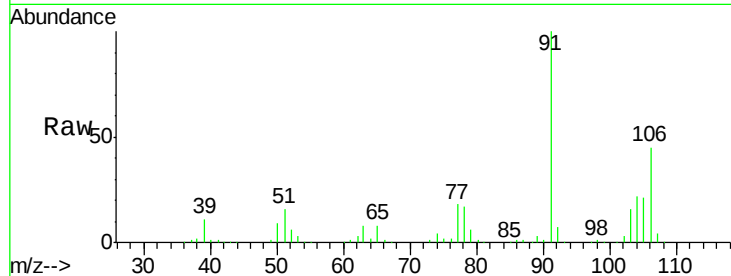




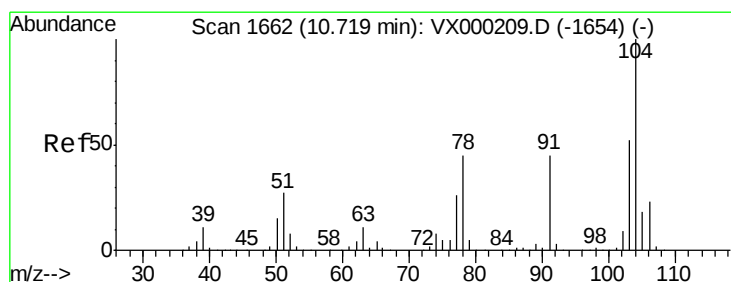
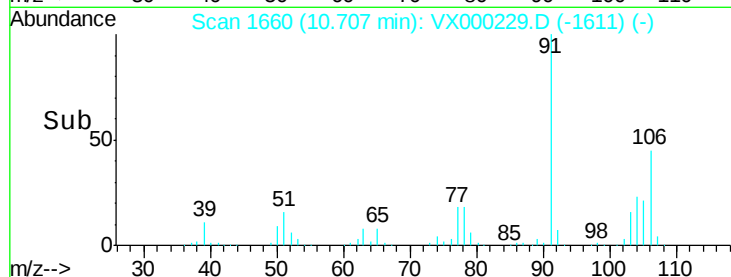
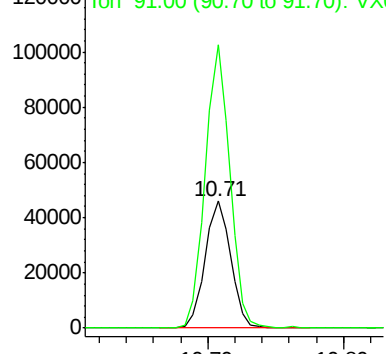
#69
o-Xylene
Concen: 20.68 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 60048
Ion Ratio Lower Upper
106 100
91 216.2 105.9 317.7

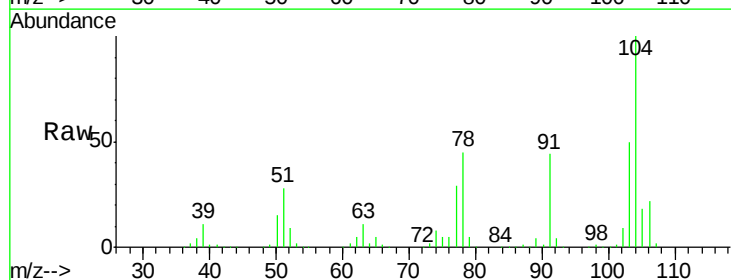


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

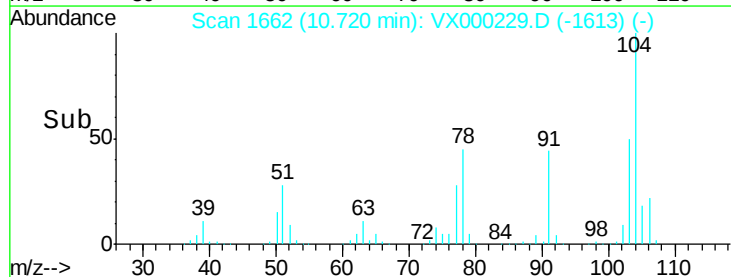
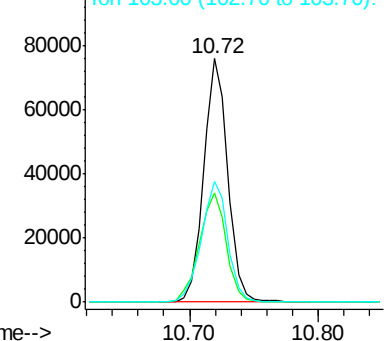


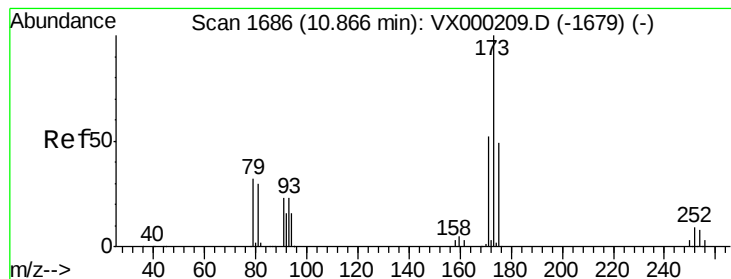
#70
Styrene
Concen: 20.54 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion:104 Resp: 98957
Ion Ratio Lower Upper
104 100
78 50.5 39.6 59.4
103 54.8 45.0 67.6



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





#71

Bromoform

Concen: 18.62 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

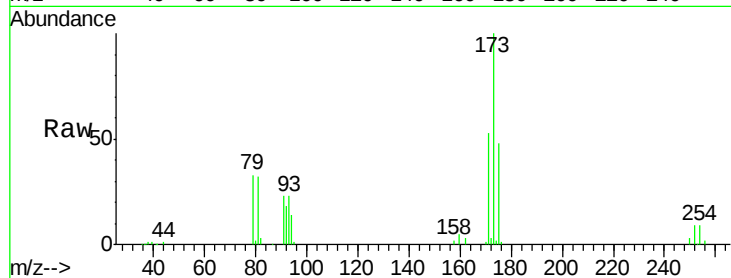
Tot Ion:173 Resp: 25939

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.2

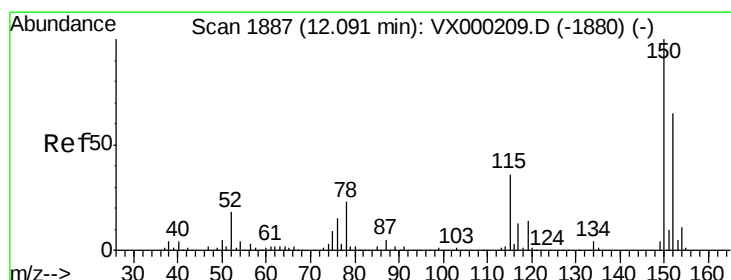
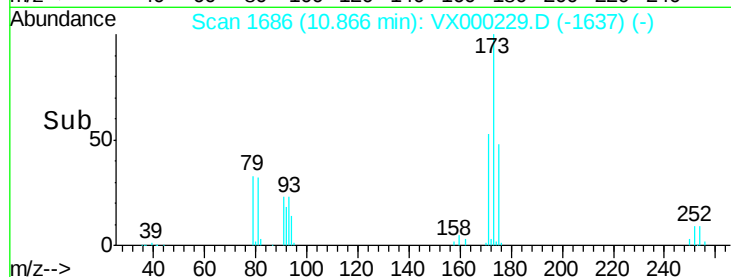
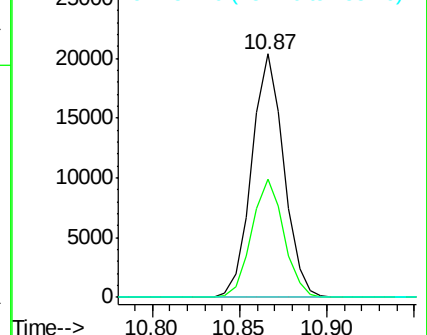
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

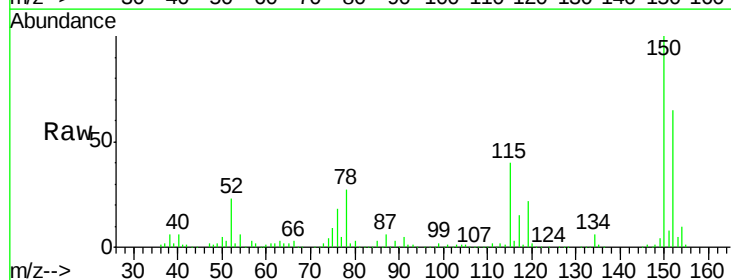
Tgt Ion:152 Resp: 127118

Ion Ratio Lower Upper

152 100

115 68.0 39.8 119.3

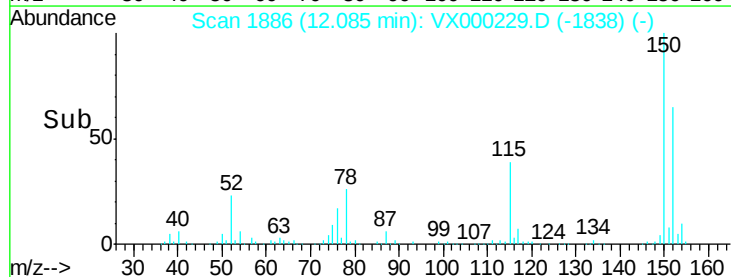
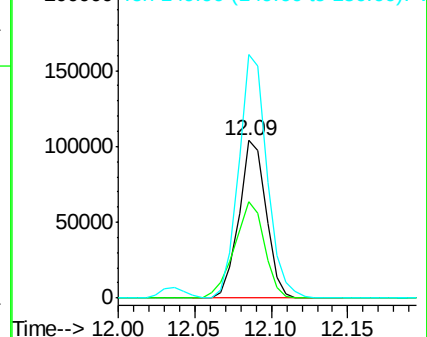
150 162.4 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.75 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

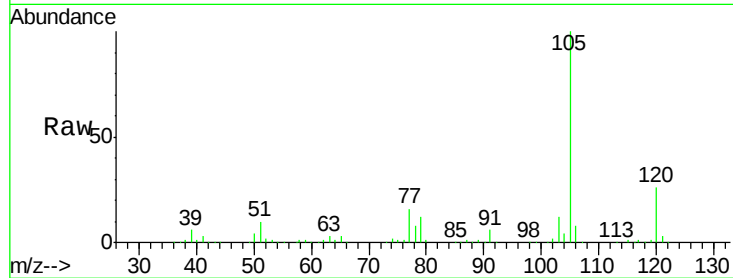
ClientSampleId :

Tot Ion:105 Resp: 165149

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

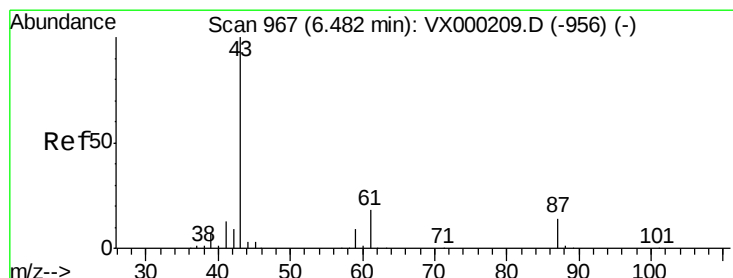
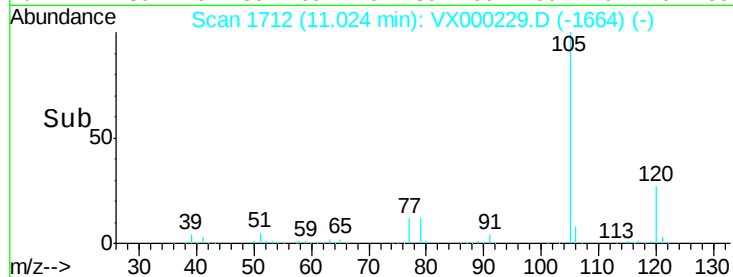
100000

50000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 20.97 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Tgt Ion: 43 Resp: 85395

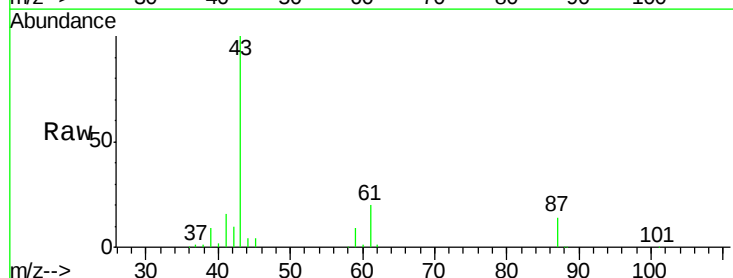
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 17.9 14.8 22.2



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

6.48

50000

40000

30000

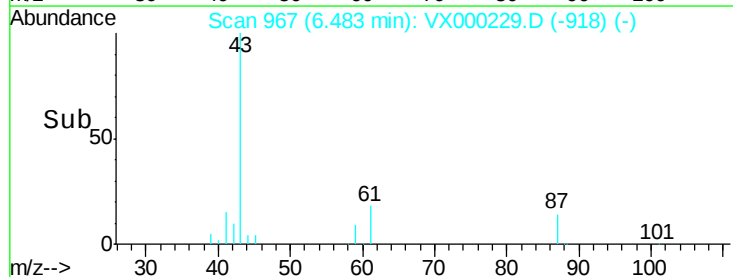
20000

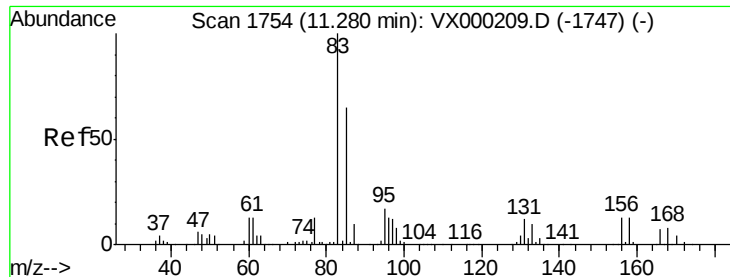
10000

0

Time-->

6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.67 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

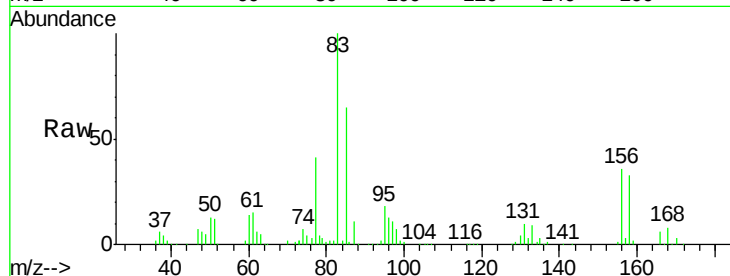
Tot Ion: 83 Resp: 60468

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.5

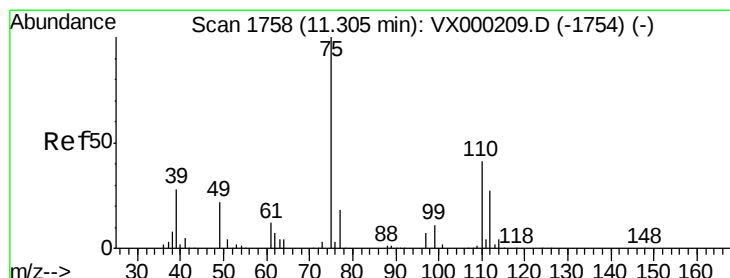
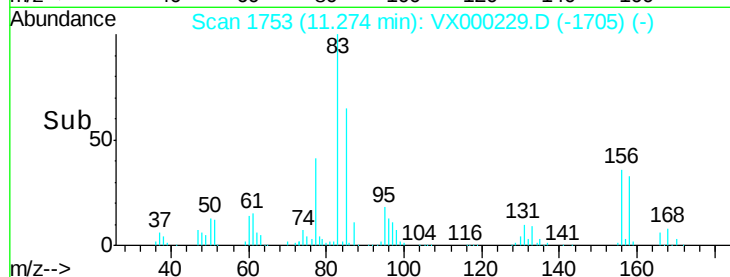
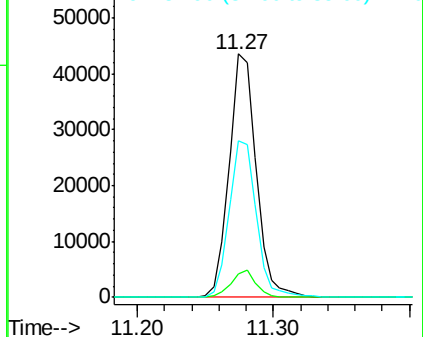
85 64.7 32.5 97.4



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: 27.59 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000229.D

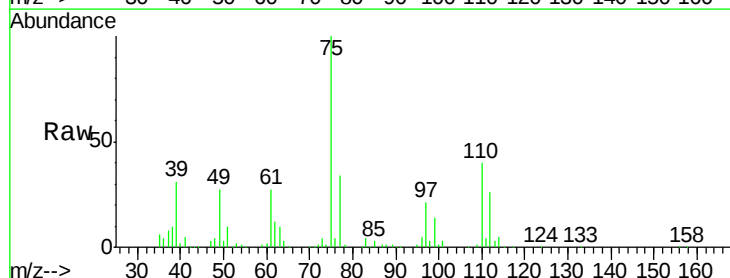
Acq: 08 Mar 2018 19:19

Tgt Ion: 75 Resp: 70295

Ion Ratio Lower Upper

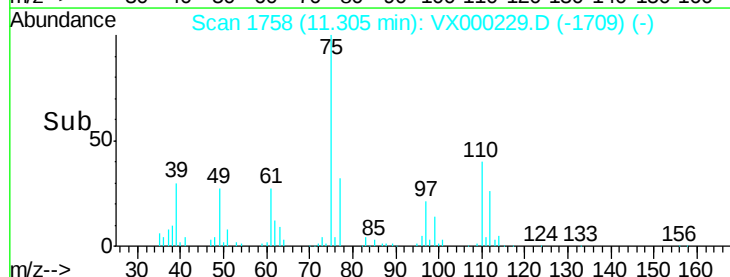
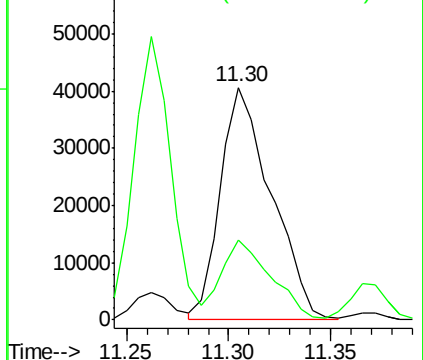
75 100

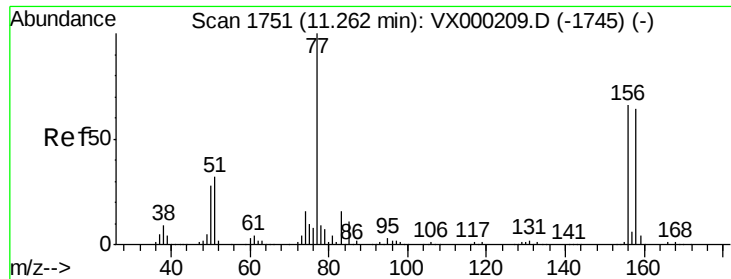
77 33.3 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

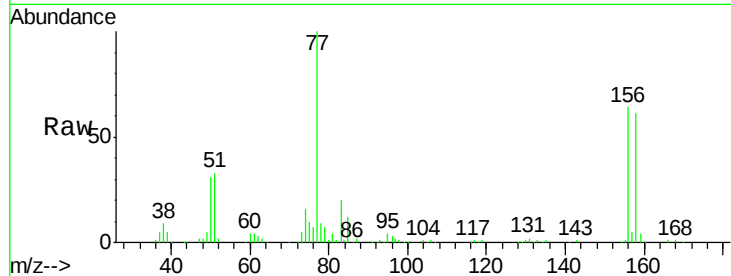
Tot Ion:156 Resp: 41505

Ion Ratio Lower Upper

156 100

77 150.5 71.9 215.7

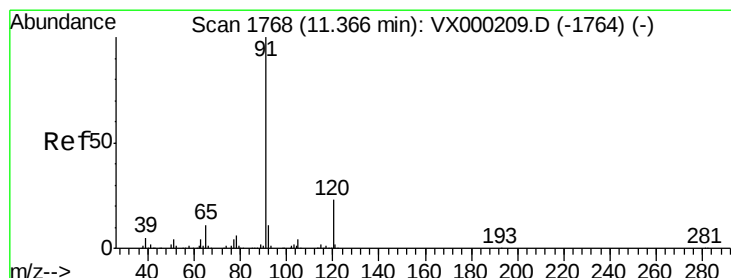
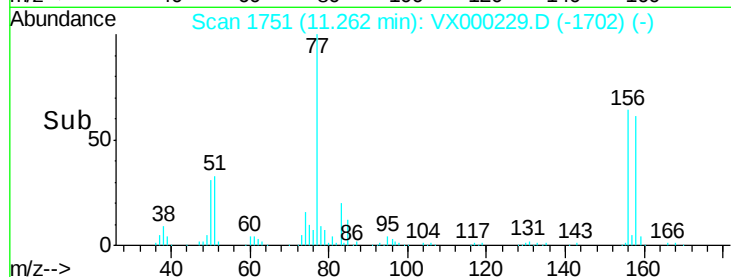
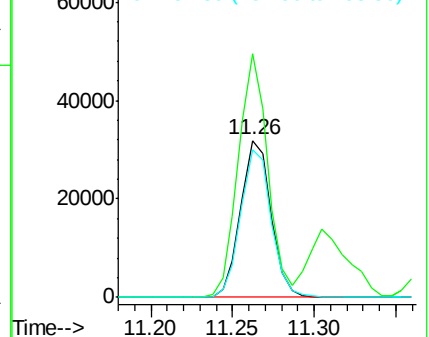
158 95.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000229.D

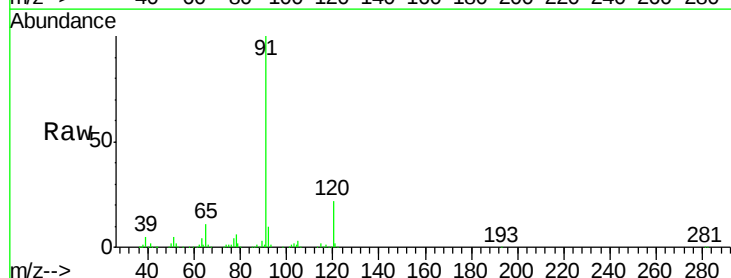
Acq: 08 Mar 2018 19:19

Tgt Ion: 91 Resp: 194003

Ion Ratio Lower Upper

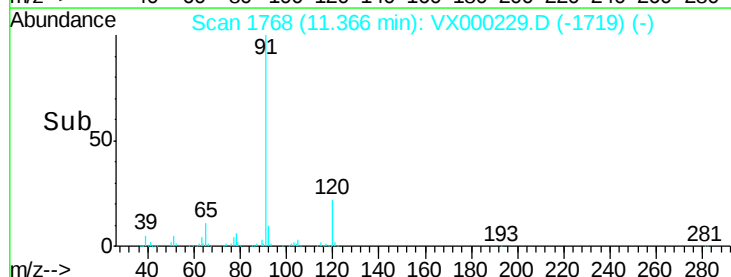
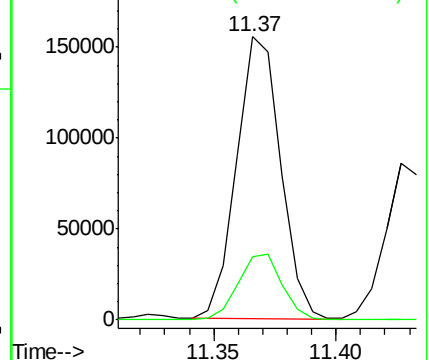
91 100

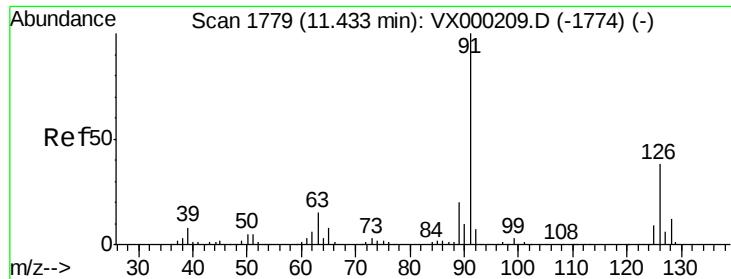
120 23.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.70 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

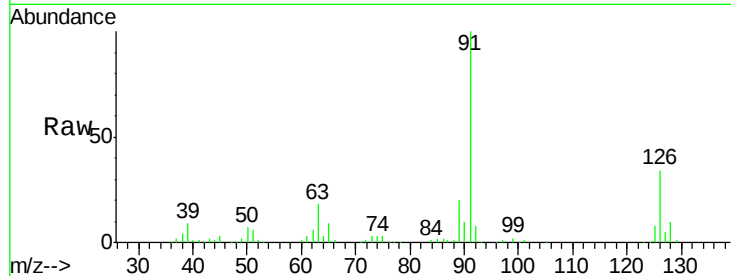
ClientSampleId :

Tot Ion: 91 Resp: 109400

Ion Ratio Lower Upper

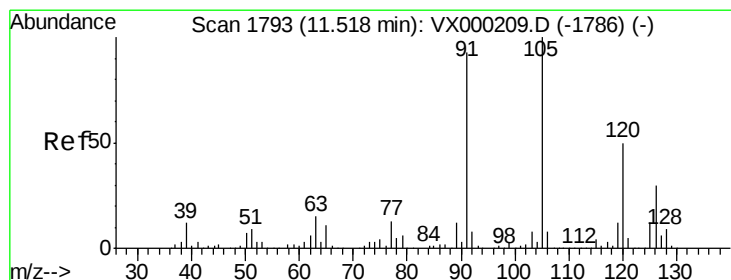
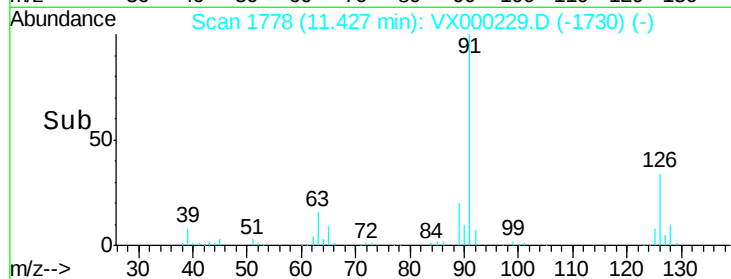
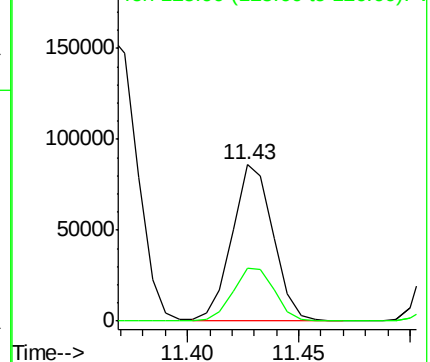
91 100

126 35.0 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000229.D

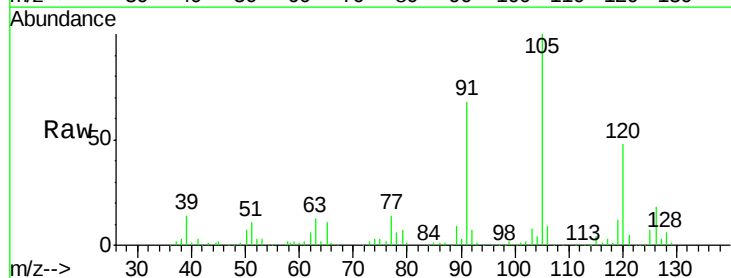
Acq: 08 Mar 2018 19:19

Tgt Ion:105 Resp: 140654

Ion Ratio Lower Upper

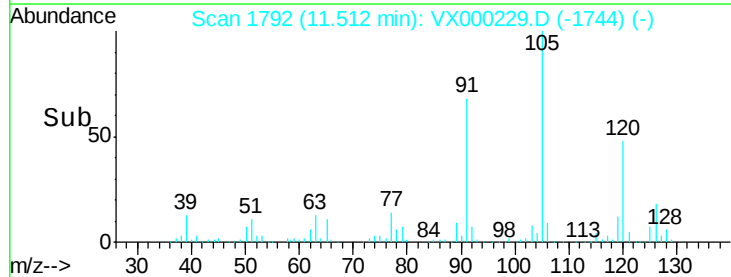
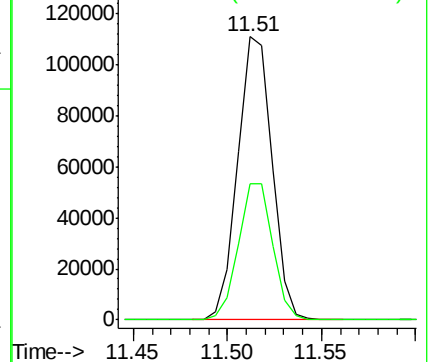
105 100

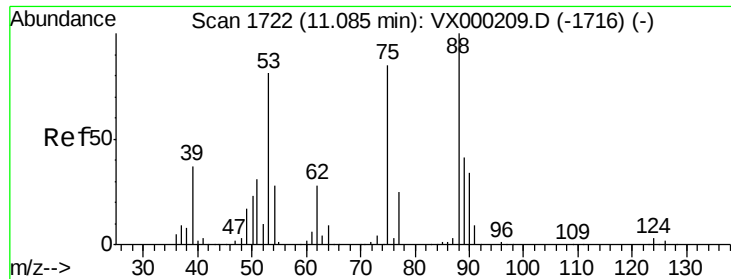
120 48.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

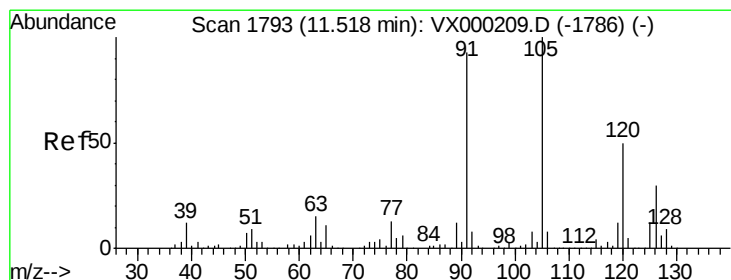
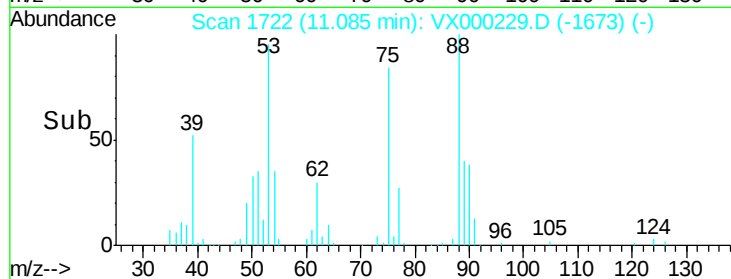
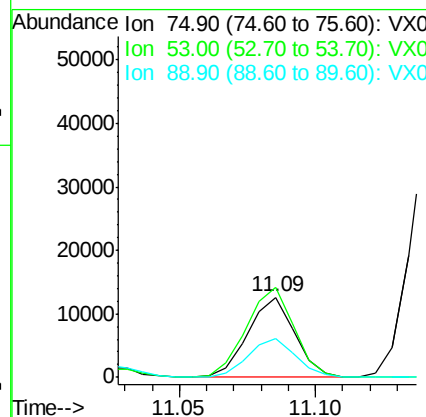
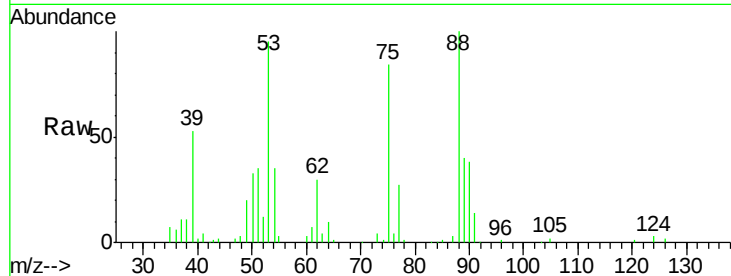




#81
trans-1,4-Dichloro-2-butene
Concen: 17.90 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

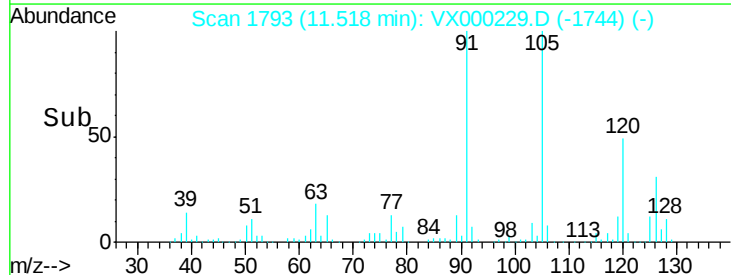
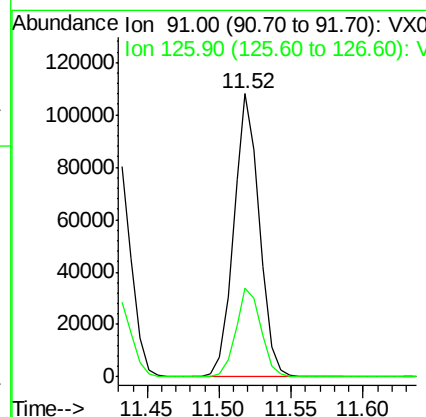
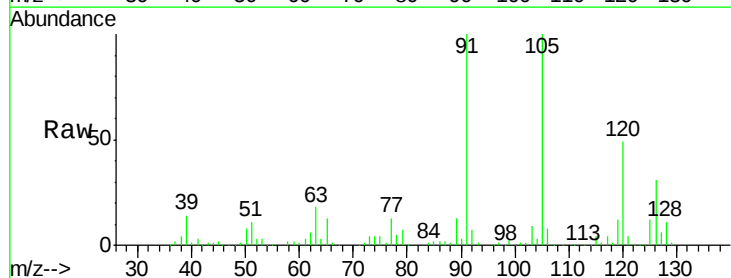
Instrument :
MSVOA_X
ClientSampled :

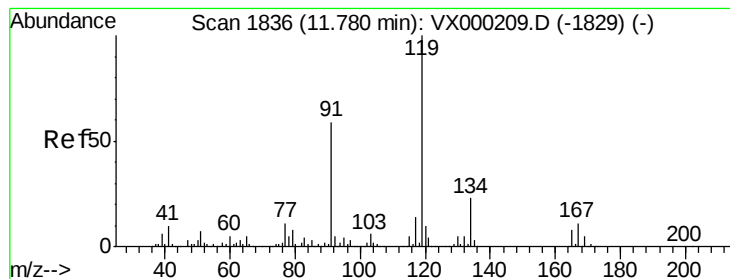
Tot Ion: 75 Resp: 14893
Ion Ratio Lower Upper
75 100
53 116.0 78.6 118.0
89 49.4 38.8 58.2



#82
4-Chlorotoluene
Concen: 20.94 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 91 Resp: 134531
Ion Ratio Lower Upper
91 100
126 30.8 16.0 48.0





#83

tert-Butylbenzene

Concen: 21.32 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

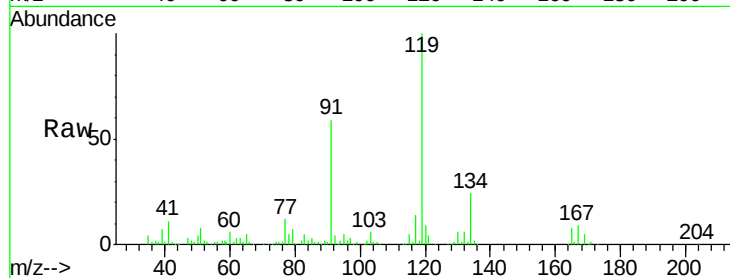
Tot Ion:119 Resp: 137875

Ion Ratio Lower Upper

119 100

91 57.8 28.9 86.7

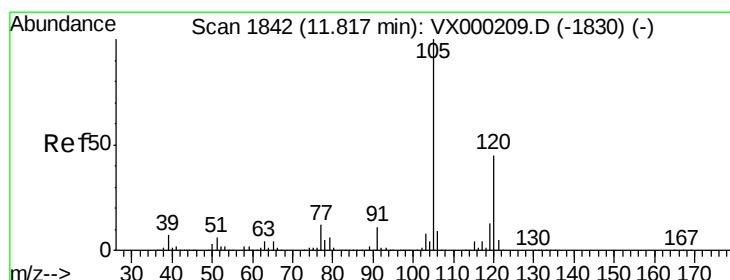
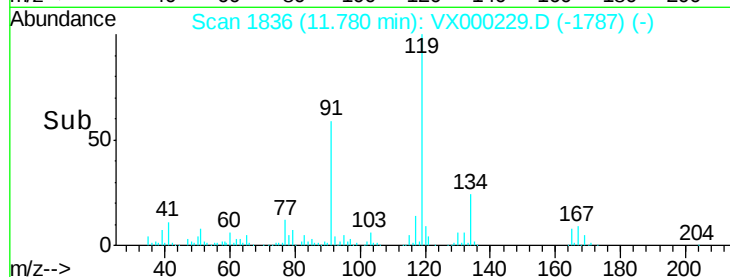
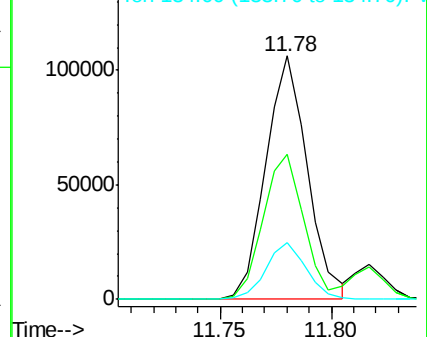
134 22.6 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.39 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000229.D

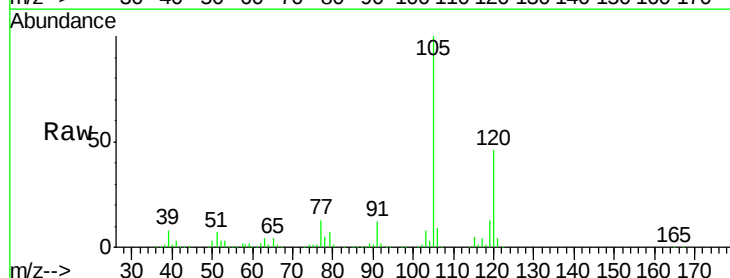
Acq: 08 Mar 2018 19:19

Tgt Ion:105 Resp: 146148

Ion Ratio Lower Upper

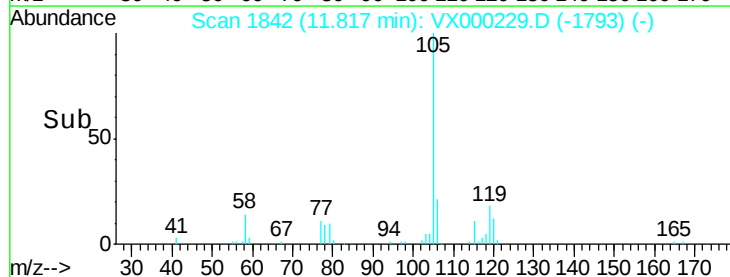
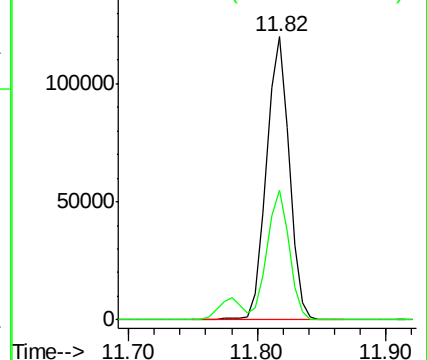
105 100

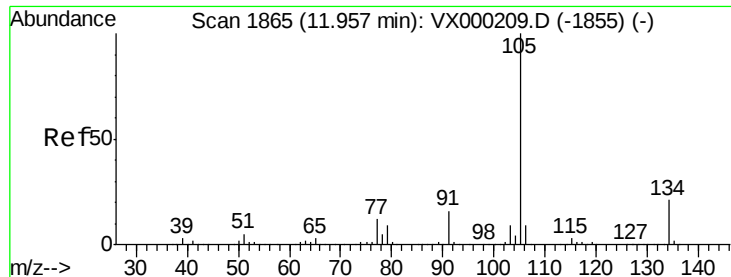
120 44.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.06 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

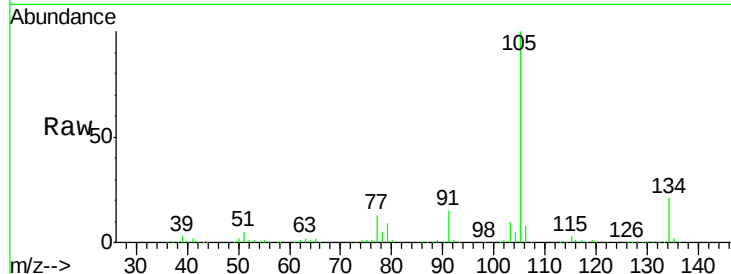
ClientSampleId :

Tot Ion:105 Resp: 172202

Ion Ratio Lower Upper

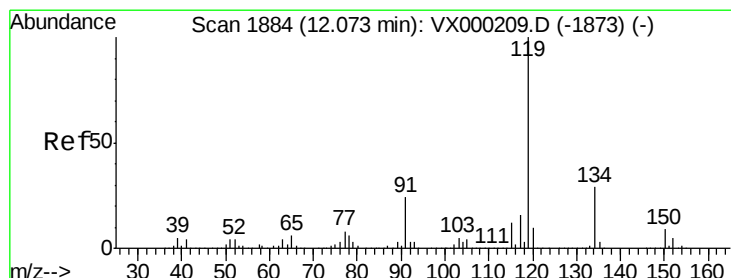
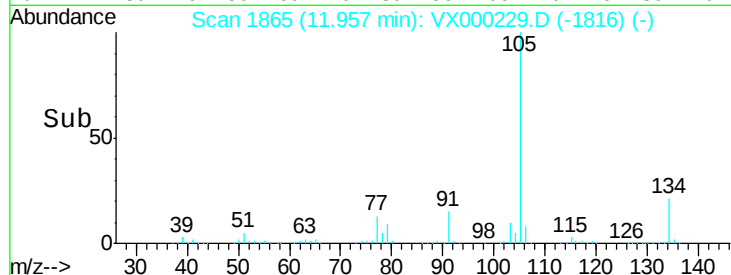
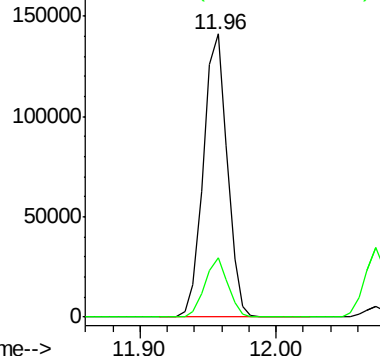
105 100

134 20.3 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.97 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

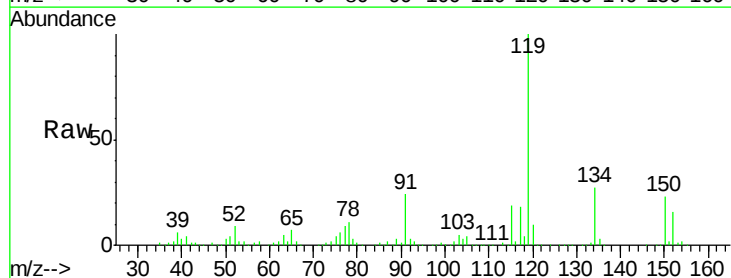
Tgt Ion:119 Resp: 151216

Ion Ratio Lower Upper

119 100

134 26.3 13.8 41.3

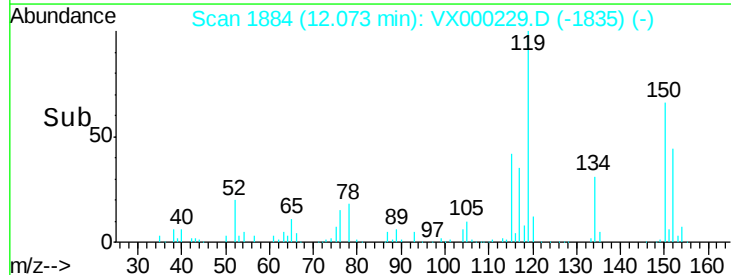
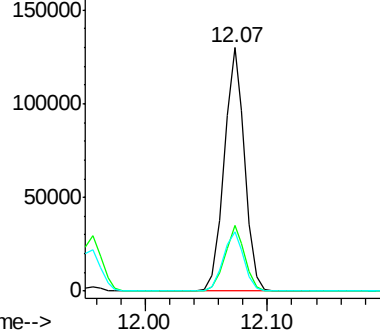
91 24.7 12.0 36.0

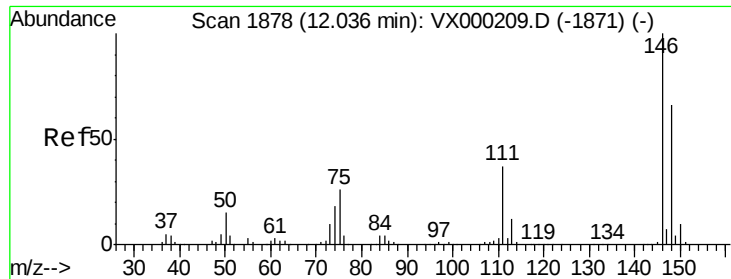


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

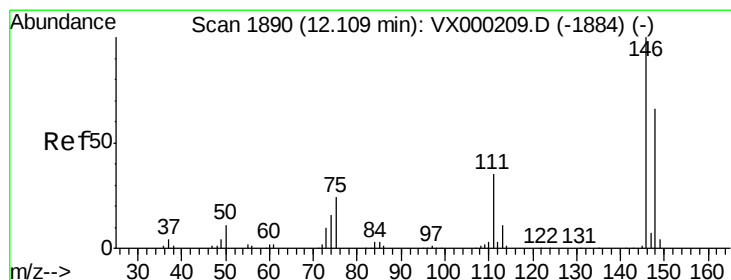
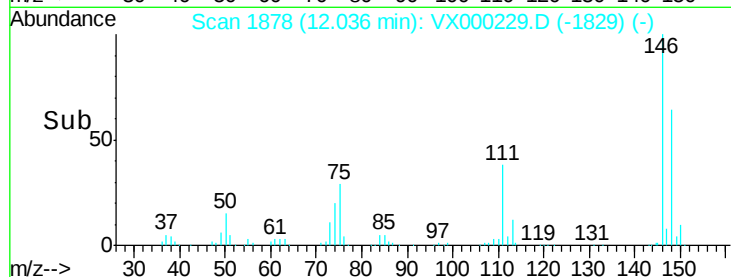
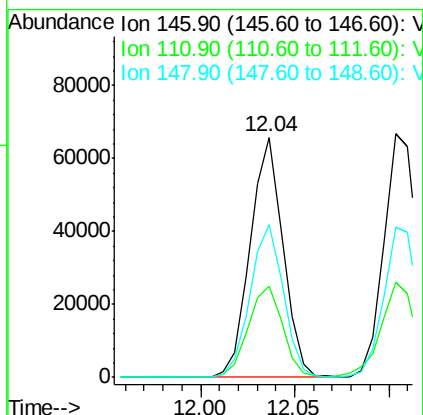
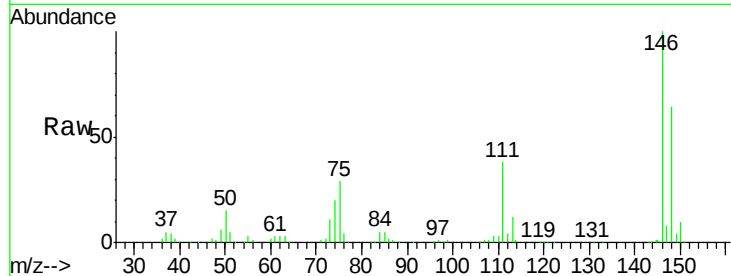




#87
 1,3-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

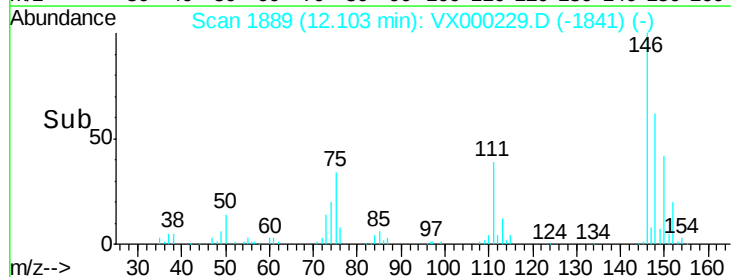
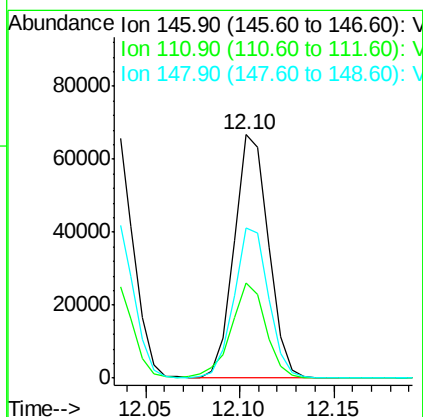
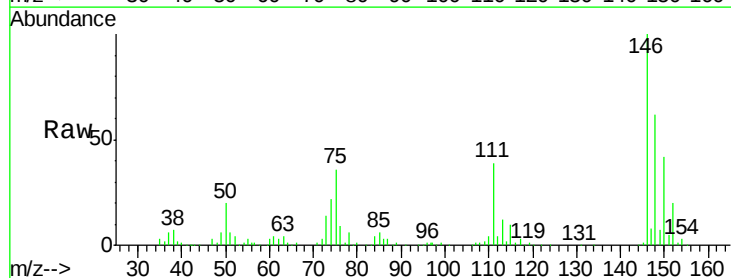
Instrument :
 MSVOA_X
 ClientSampled :

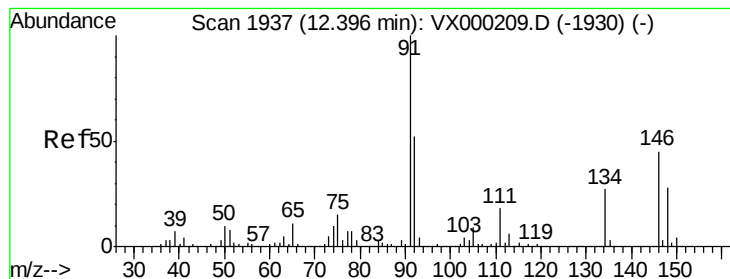
Tot Ion:146 Resp: 79681
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.0 57.0
 148 64.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

Tgt Ion:146 Resp: 84286
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.9 56.9
 148 62.6 32.6 97.8

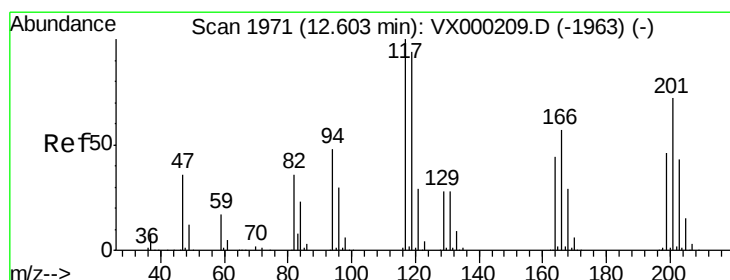
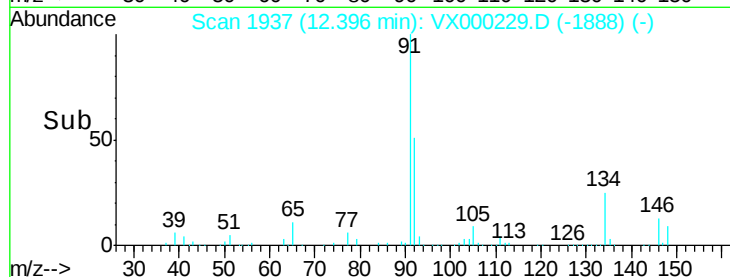
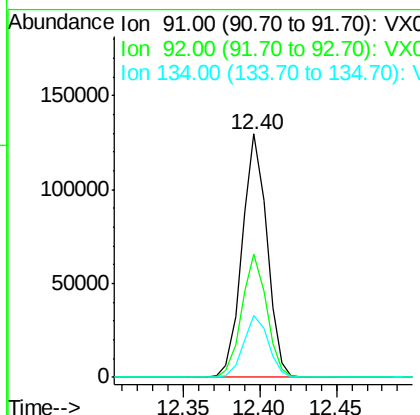
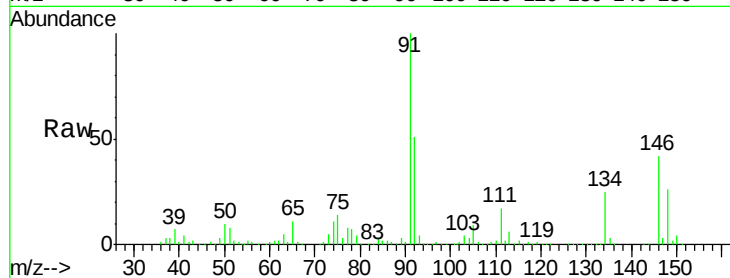




#89
n-Butylbenzene
Concen: 20.96 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

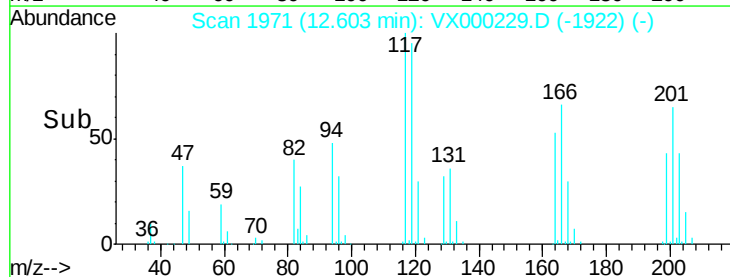
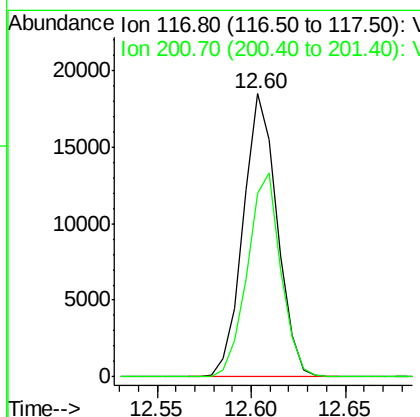
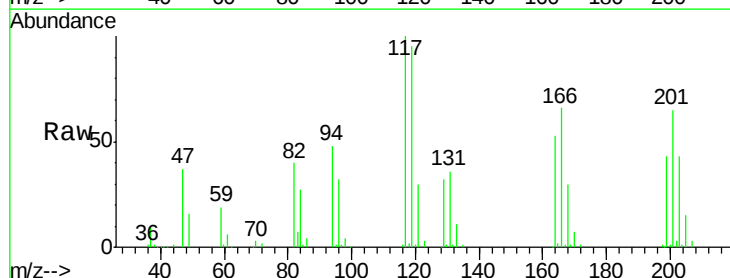
Instrument :
MSVOA_X
ClientSampleId :

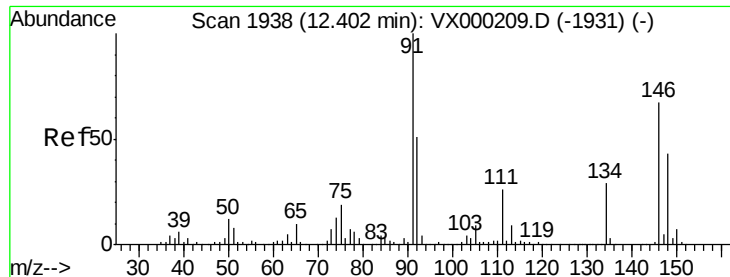
Tot Ion: 91 Resp: 145612
Ion Ratio Lower Upper
91 100
92 50.5 25.8 77.4
134 25.4 13.5 40.5



#90
Hexachloroethane
Concen: 19.83 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000229.D
Acq: 08 Mar 2018 19:19

Tgt Ion: 117 Resp: 23046
Ion Ratio Lower Upper
117 100
201 71.2 38.2 114.6





#91

1,2-Dichlorobenzene

Concen: 20.90 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

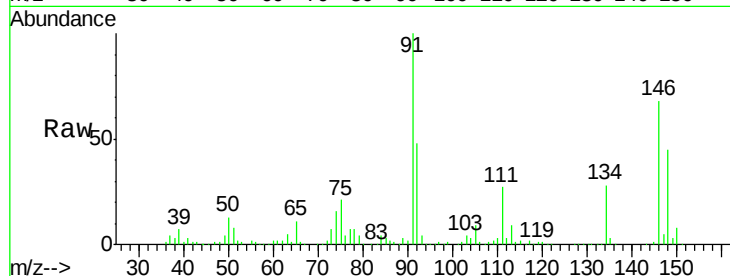
Tot Ion:146 Resp: 80951

Ion Ratio Lower Upper

146 100

111 39.8 19.7 59.0

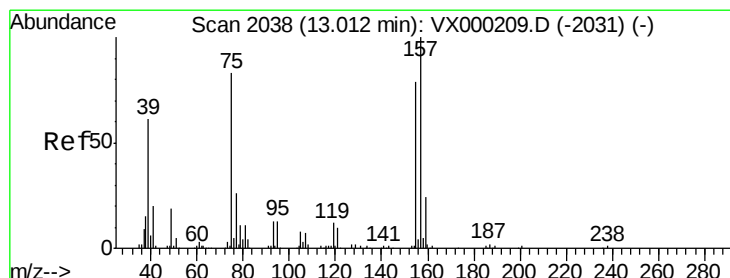
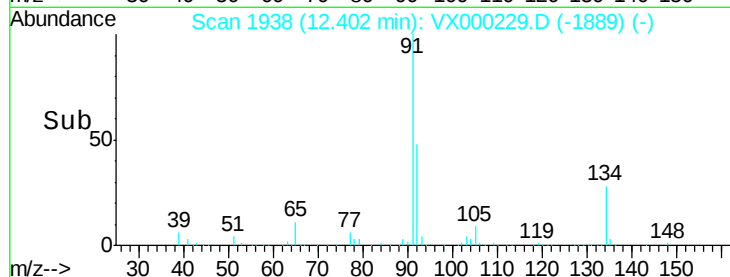
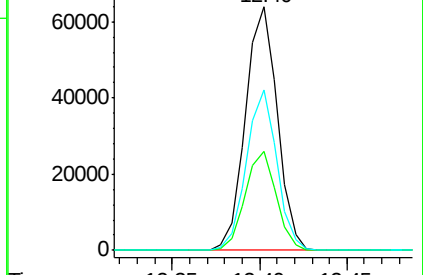
148 63.1 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.15 ug/l

RT: 13.01 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

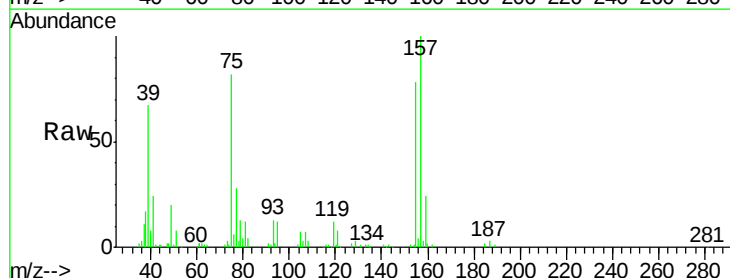
Tgt Ion: 75 Resp: 17354

Ion Ratio Lower Upper

75 100

155 87.9 45.5 136.5

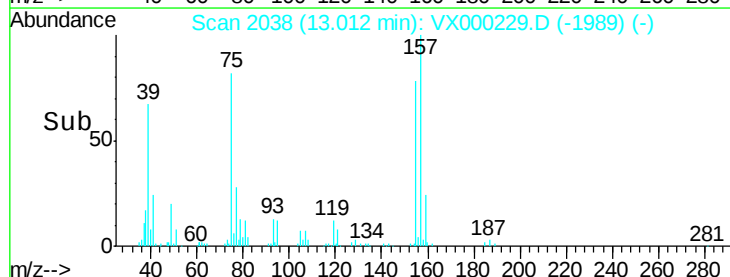
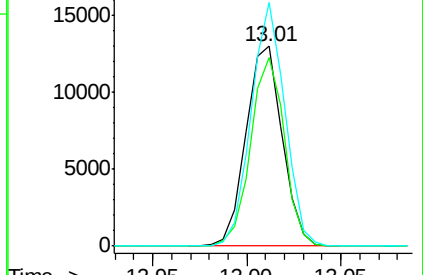
157 113.1 58.6 175.8

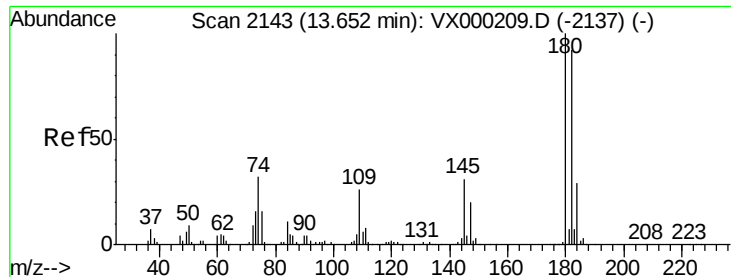


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

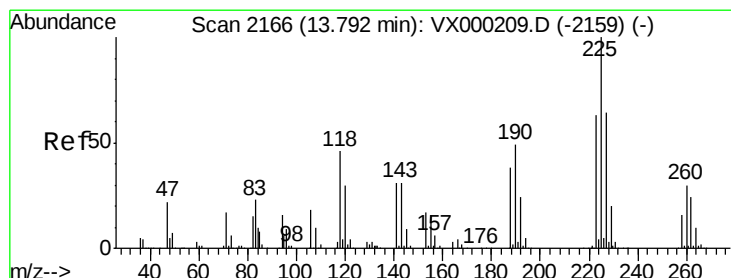
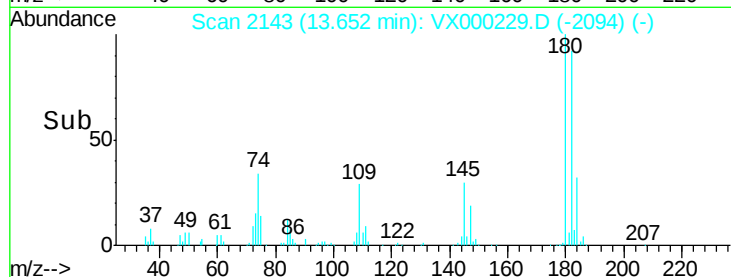
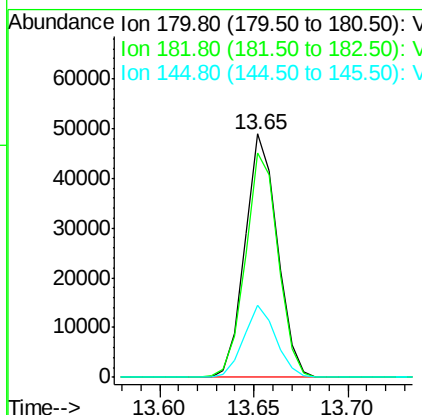
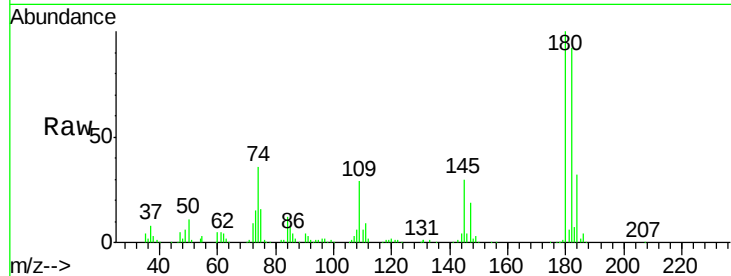




#93
 1,2,4-Trichlorobenzene
 Concen: 20.64 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

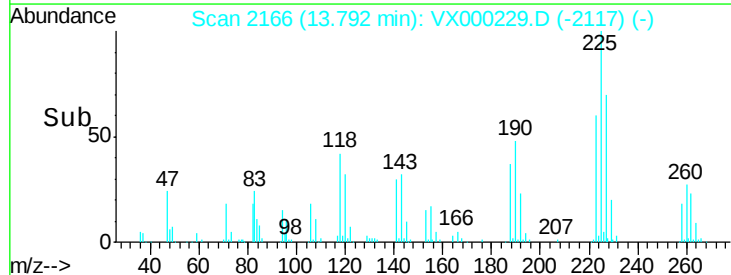
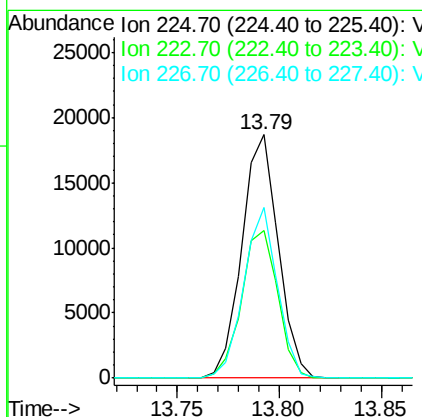
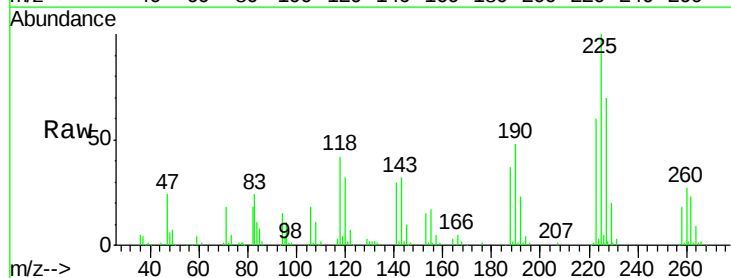
Instrument :
 MSVOA_X
 ClientSampleId :

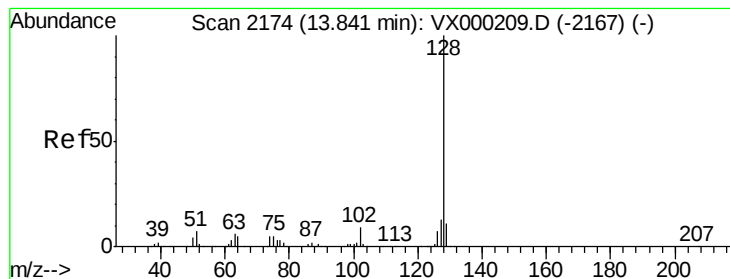
Tot Ion:180 Resp: 58155
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.0 141.0
 145 29.4 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 19.75 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000229.D
 Acq: 08 Mar 2018 19:19

Tgt Ion:225 Resp: 23162
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.8 95.3
 227 64.8 31.9 95.5





#95

Naphthalene

Concen: 21.46 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

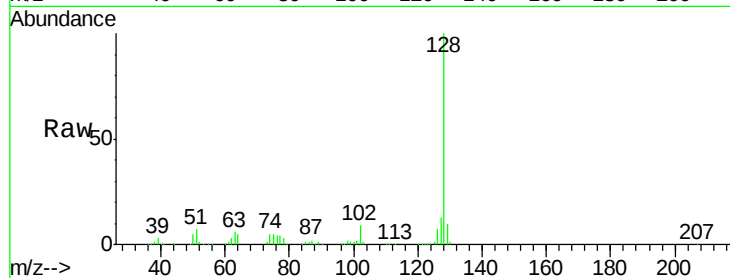
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 210982

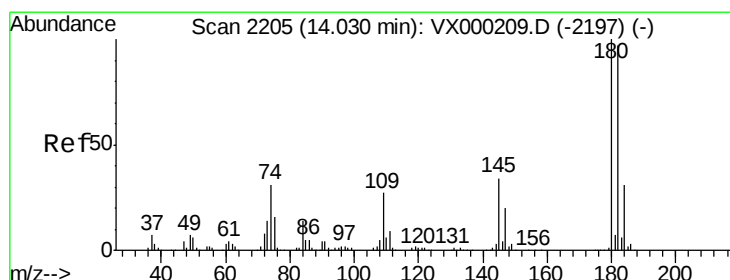
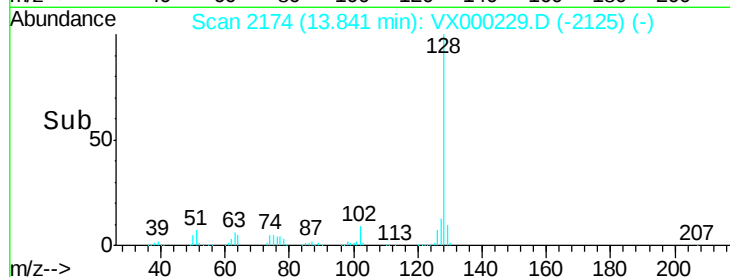
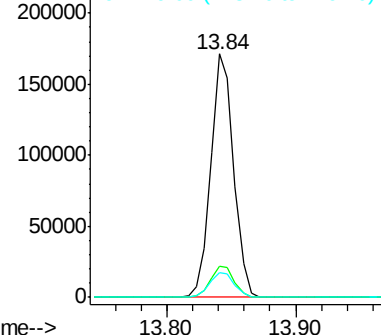
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.59 ug/l

RT: 14.03 min Scan# 2205

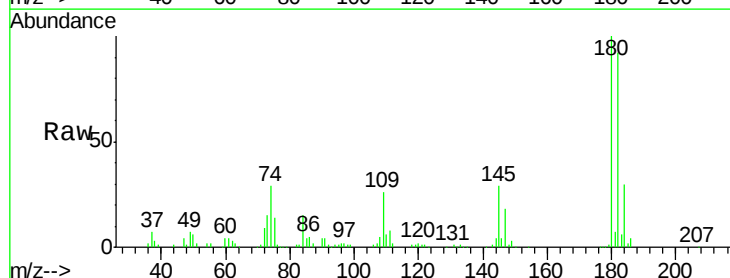
Delta R.T. 0.00 min

Lab File: VX000229.D

Acq: 08 Mar 2018 19:19

Tgt Ion:180 Resp: 57399

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.0
145	30.8	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

