

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001009.D
 Acq On : 20 Apr 2018 15:27
 Operator : JC/MD
 Sample : VX0420MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:33:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217216	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148363	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.51	113	120739	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	8.72	98	440965	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	182855	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	65168	21.52	ug/l	98
3) Chloromethane	1.32	50	55344	19.62	ug/l	99
4) Vinyl Chloride	1.40	62	58452	20.00	ug/l	100
5) Bromomethane	1.65	94	40337	21.74	ug/l	99
6) Chloroethane	1.73	64	34109	19.64	ug/l	97
7) Trichlorofluoromethane	1.93	101	87522	19.93	ug/l	98
8) Diethyl Ether	2.19	74	32207	19.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50022	19.44	ug/l	98
10) Methyl Iodide	2.52	142	37183	20.02	ug/l	100
11) Tert butyl alcohol	3.07	59	48324	103.51	ug/l	98
12) 1,1-Dichloroethene	2.38	96	46933	19.73	ug/l	99
13) Acrolein	2.29	56	16919	122.17	ug/l	98
14) Allyl chloride	2.73	41	85044	19.75	ug/l	99
15) Acrylonitrile	3.15	53	123783	97.97	ug/l	99
16) Acetone	2.45	43	115019	98.67	ug/l	99
17) Carbon Disulfide	2.57	76	125870	18.56	ug/l	98
18) Methyl Acetate	2.78	43	77079	21.85	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	159215	19.90	ug/l	100
20) Methylene Chloride	2.86	84	50909	19.80	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	51001	19.25	ug/l	99
22) Diisopropyl ether	3.88	45	166524	19.98	ug/l	99
23) Vinyl Acetate	3.83	43	678865	98.37	ug/l	100
24) 1,1-Dichloroethane	3.70	63	91788	19.63	ug/l	98
25) 2-Butanone	4.71	43	181630	99.81	ug/l	98
26) 2,2-Dichloropropane	4.59	77	79389	19.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	58217	19.73	ug/l	100
28) Bromochloromethane	5.03	49	33228	18.48	ug/l	98
29) Tetrahydrofuran	5.17	42	112583	97.91	ug/l	99
30) Chloroform	5.22	83	95837	19.79	ug/l	100
31) Cyclohexane	5.59	56	83649	19.17	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	86041	19.82	ug/l	99
36) 1,1-Dichloropropene	5.81	75	73314	18.84	ug/l	99
37) Ethyl Acetate	4.87	43	71211	19.95	ug/l	99
38) Carbon Tetrachloride	5.79	117	74466	18.90	ug/l	98

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 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:33:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	85085	18.79	ug/l	99
40) Benzene	6.15	78	210994	19.50	ug/l	99
41) Methacrylonitrile	5.07	41	41511	18.62	ug/l	98
42) 1,2-Dichloroethane	6.21	62	80957	19.50	ug/l	99
43) Isopropyl Acetate	6.47	43	119222	19.47	ug/l	99
44) Trichloroethene	7.22	130	63897	19.33	ug/l	95
45) 1,2-Dichloropropane	7.53	63	53738	19.76	ug/l	98
46) Dibromomethane	7.67	93	36886	19.41	ug/l	100
47) Bromodichloromethane	7.90	83	68423	19.43	ug/l	98
48) Methyl methacrylate	7.79	41	63789	19.35	ug/l	98
49) 1,4-Dioxane	7.76	88	18690	385.47	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	372148	100.09	ug/l	99
52) Toluene	8.79	92	138867	19.67	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	82417	19.57	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	77514	19.52	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	55126	19.64	ug/l	98
56) Ethyl methacrylate	9.19	69	81063	19.67	ug/l	98
57) 1,3-Dichloropropane	9.38	76	90412	19.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	202314	100.57	ug/l	100
59) 2-Hexanone	9.51	43	284886	100.10	ug/l	99
60) Dibromochloromethane	9.59	129	56938	19.32	ug/l	100
61) 1,2-Dibromoethane	9.68	107	58287	19.68	ug/l	99
64) Tetrachloroethene	9.34	164	65701	19.60	ug/l	99
65) Chlorobenzene	10.15	112	163351	19.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56894	19.72	ug/l	99
67) Ethyl Benzene	10.26	91	272864	19.55	ug/l	98
68) m/p-Xylenes	10.37	106	213101	38.74	ug/l	100
69) o-Xylene	10.71	106	102958	19.41	ug/l	99
70) Styrene	10.72	104	169358	19.39	ug/l	99
71) Bromoform	10.87	173	44563	18.41	ug/l #	99
73) Isopropylbenzene	11.02	105	279814	19.70	ug/l	99
74) N-amyl acetate	6.47	43	119222	19.63	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	78943	19.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	88373	23.45	ug/l	89
77) Bromobenzene	11.26	156	80058	19.42	ug/l	98
78) n-propylbenzene	11.37	91	318547	19.54	ug/l	99
79) 2-Chlorotoluene	11.43	91	188767	19.60	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	237889	19.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	19079	17.77	ug/l	92
82) 4-Chlorotoluene	11.52	91	226297	19.44	ug/l	99
83) tert-Butylbenzene	11.77	119	238740	19.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	244572	19.74	ug/l	99
85) sec-Butylbenzene	11.95	105	284626	19.64	ug/l	100
86) p-Isopropyltoluene	12.07	119	263320	19.64	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	148777	19.28	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	152239	19.22	ug/l	99
89) n-Butylbenzene	12.40	91	233396	19.56	ug/l	99
90) Hexachloroethane	12.60	117	35426	18.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	144463	19.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16623	19.74	ug/l	97

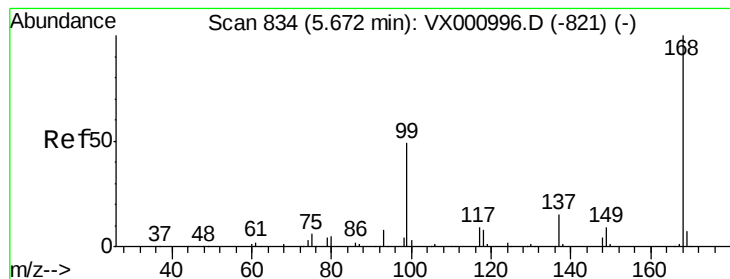
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
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Quant Time: Apr 21 05:33:57 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118982	18.97	ug/l	99
94) Hexachlorobutadiene	13.79	225	52051	18.34	ug/l	99
95) Naphthalene	13.84	128	309469	20.06	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115034	18.97	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

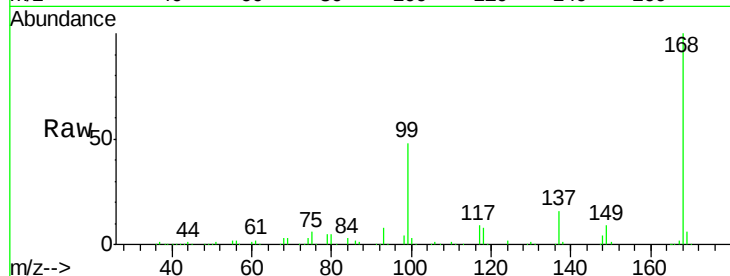
ClientSampled :

Tot Ion:168 Resp: 244207

Ion Ratio Lower Upper

168 100

99 47.9 39.2 58.8

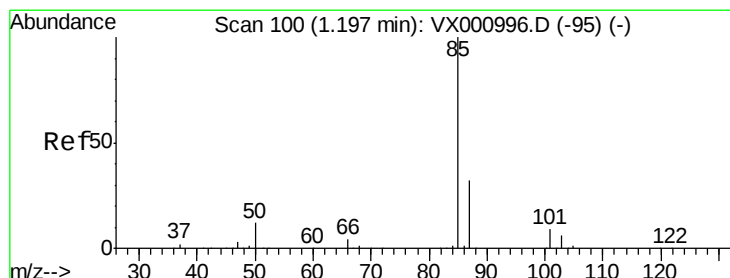
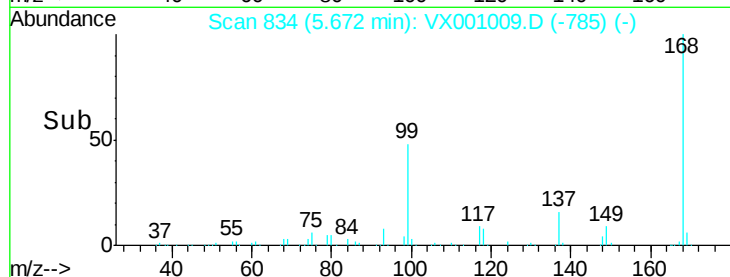


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 21.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001009.D

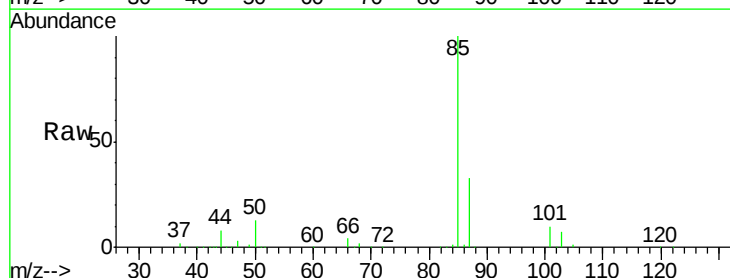
Acq: 20 Apr 2018 15:27

Tgt Ion: 85 Resp: 65168

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4

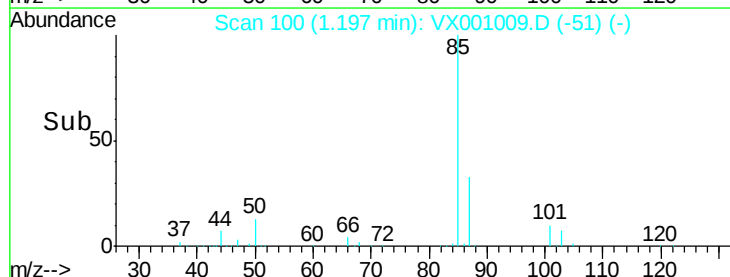


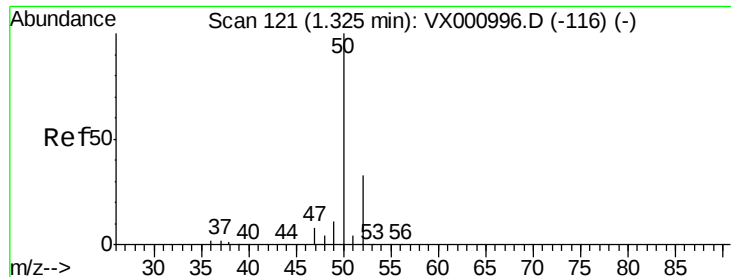
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 19.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

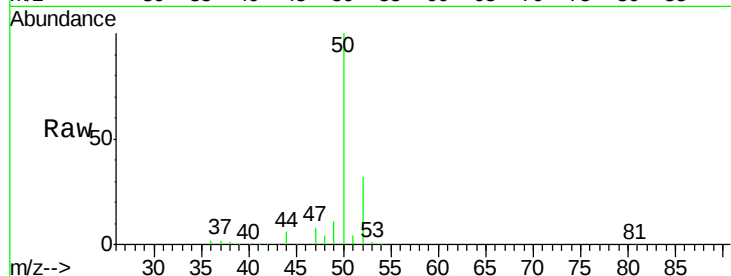
ClientSampleId :

Tot Ion: 50 Resp: 55344

Ion Ratio Lower Upper

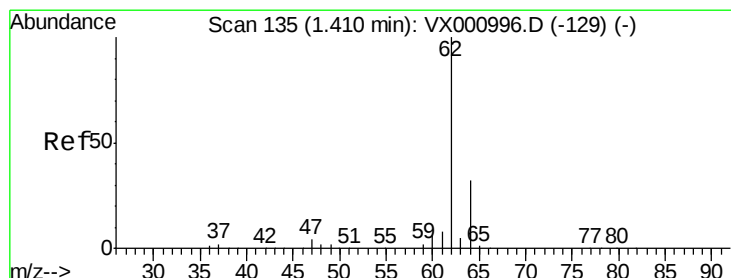
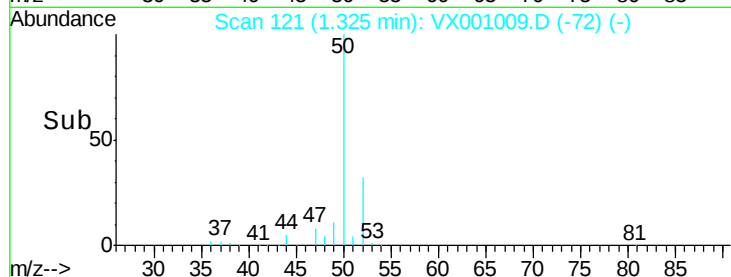
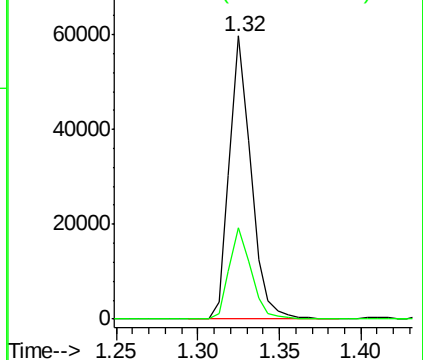
50 100

52 32.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001009.D

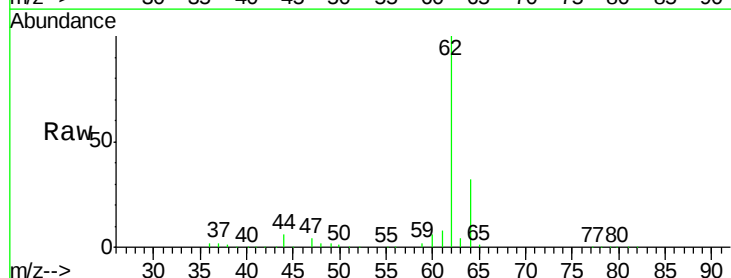
Acq: 20 Apr 2018 15:27

Tgt Ion: 62 Resp: 58452

Ion Ratio Lower Upper

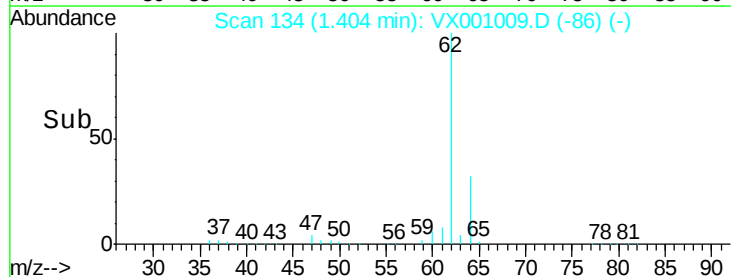
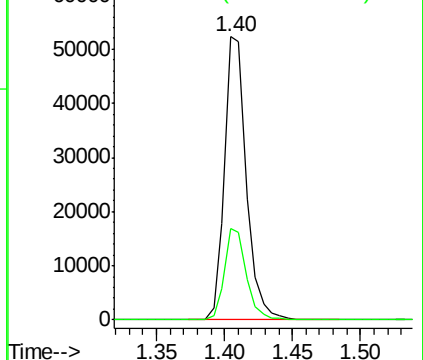
62 100

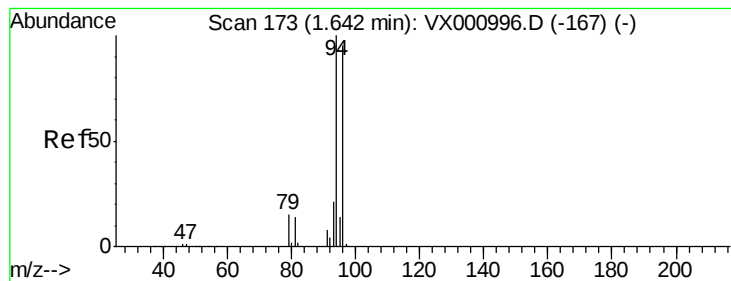
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.74 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

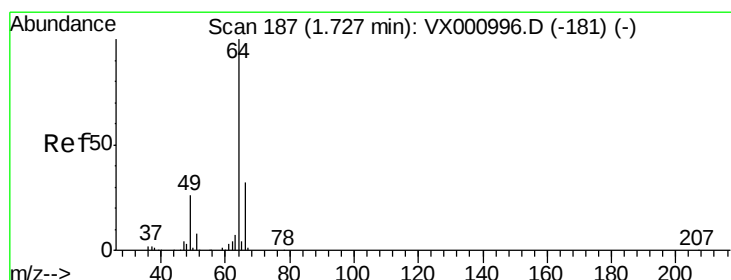
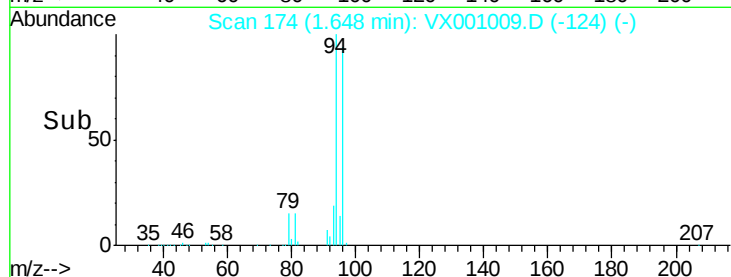
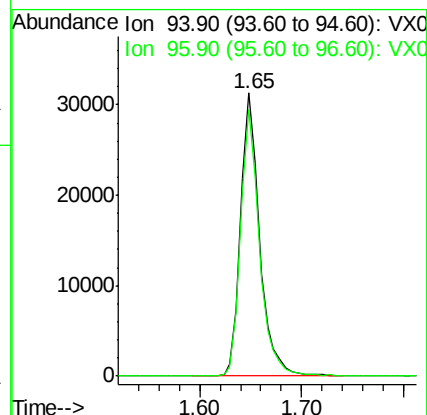
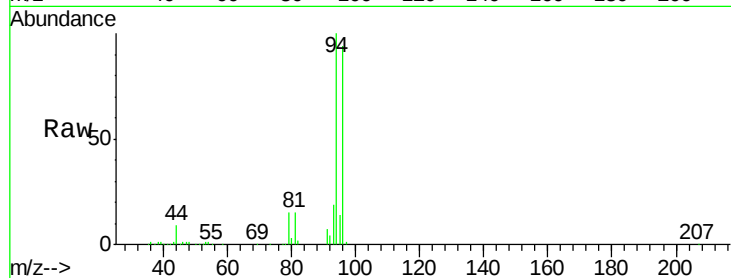
ClientSampleId :

Tot Ion: 94 Resp: 40337

Ion Ratio Lower Upper

94 100

96 94.1 76.0 114.0



#6

Chloroethane

Concen: 19.64 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001009.D

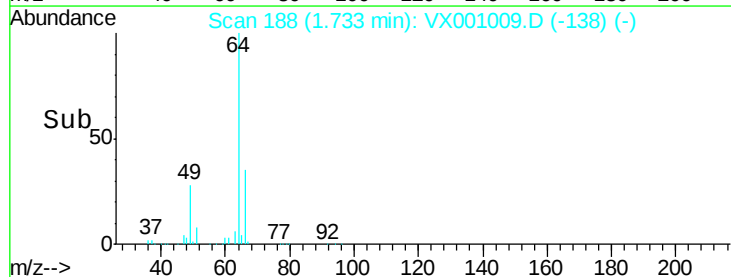
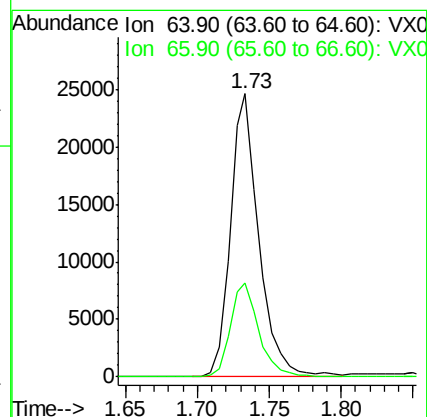
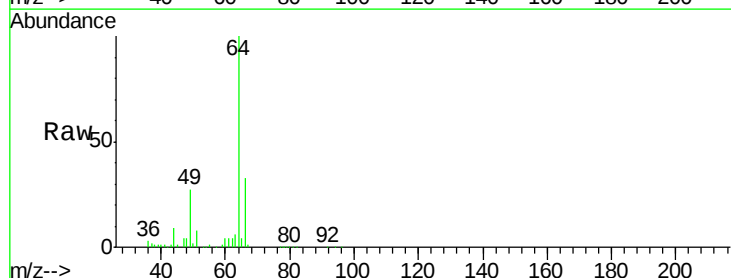
Acq: 20 Apr 2018 15:27

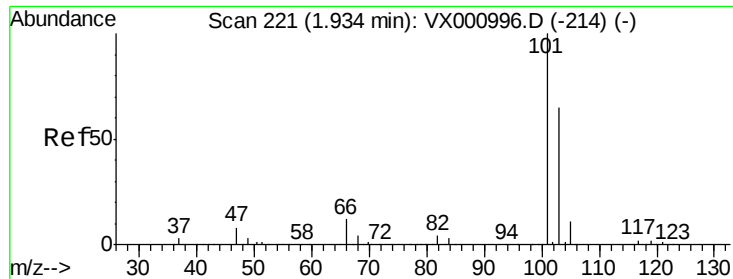
Tgt Ion: 64 Resp: 34109

Ion Ratio Lower Upper

64 100

66 33.1 25.3 37.9



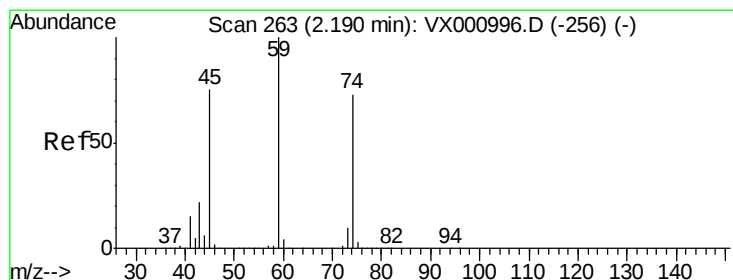
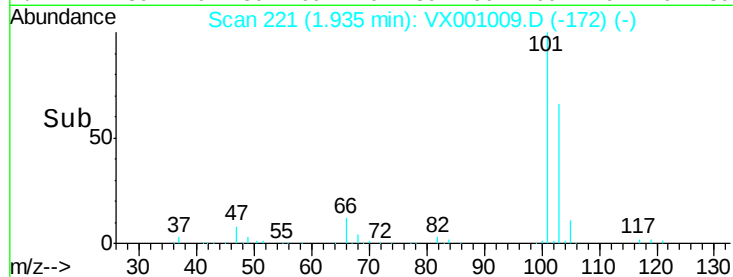
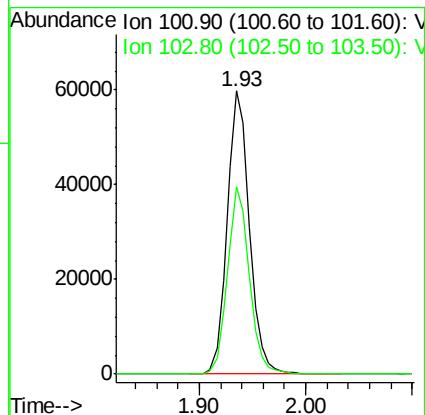
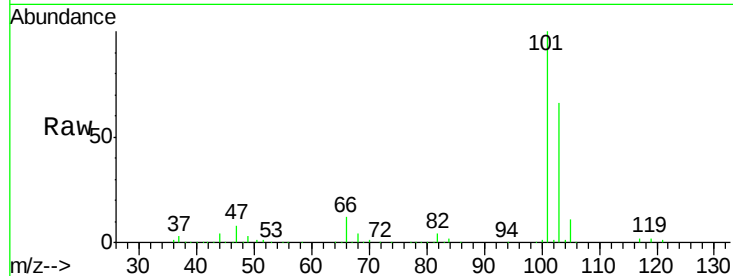


#7

Trichlorofluoromethane
 Concen: 19.93 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :

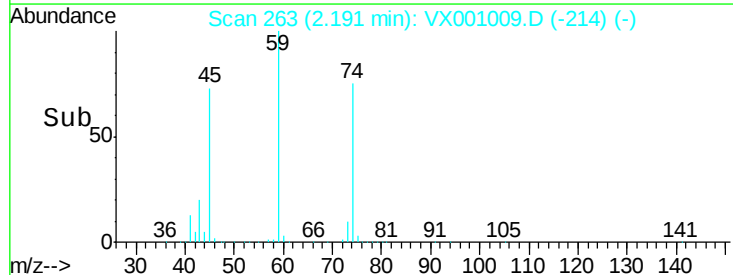
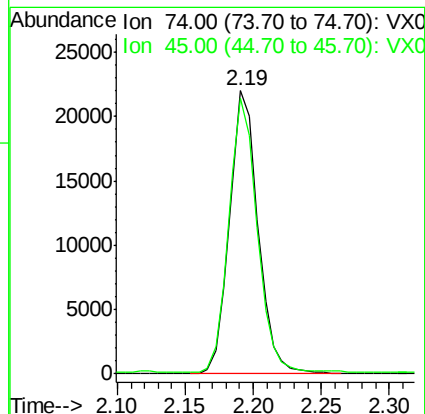
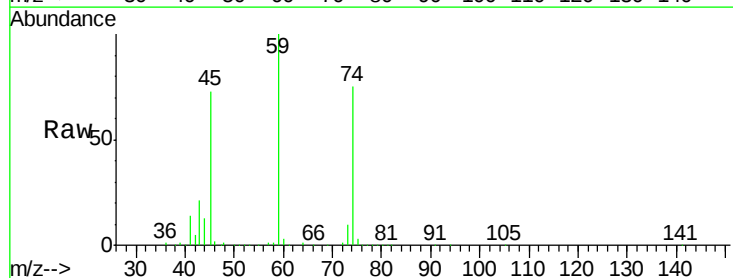
Tot Ion:101 Resp: 87522
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8

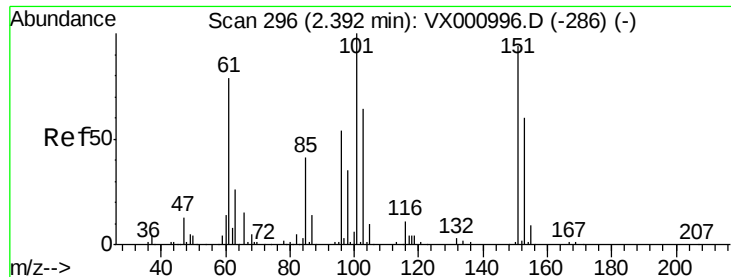


#8

Diethyl Ether
 Concen: 19.86 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion: 74 Resp: 32207
 Ion Ratio Lower Upper
 74 100
 45 96.5 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.44 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

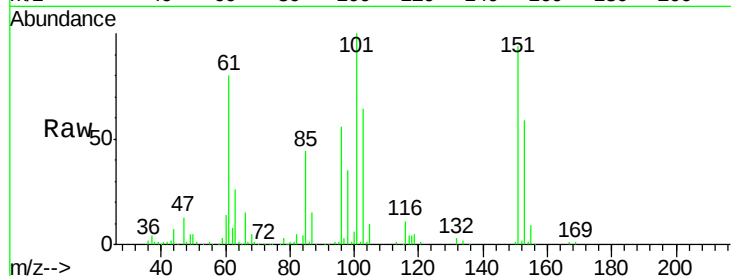
Tot Ion:101 Resp: 50022

Ion Ratio Lower Upper

101 100

85 43.6 33.9 50.9

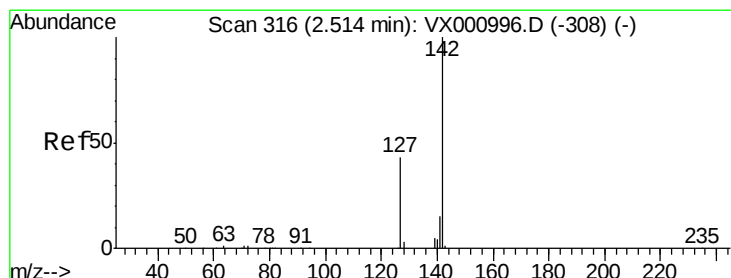
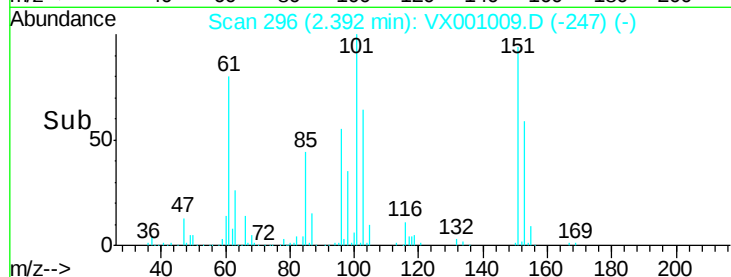
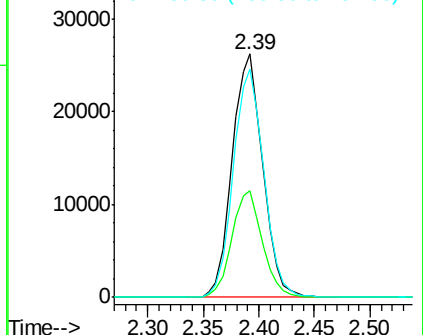
151 93.5 73.5 110.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.02 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

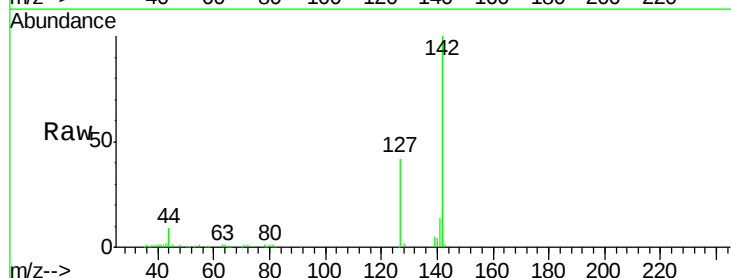
Tgt Ion:142 Resp: 37183

Ion Ratio Lower Upper

142 100

127 42.4 34.0 51.0

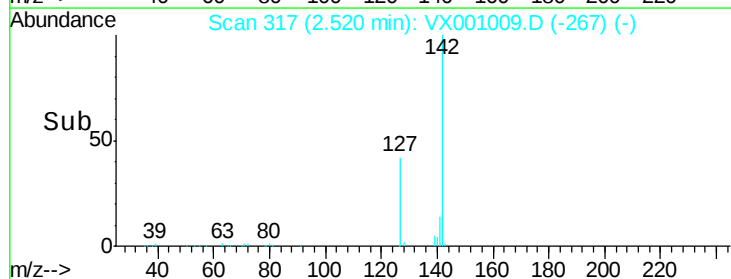
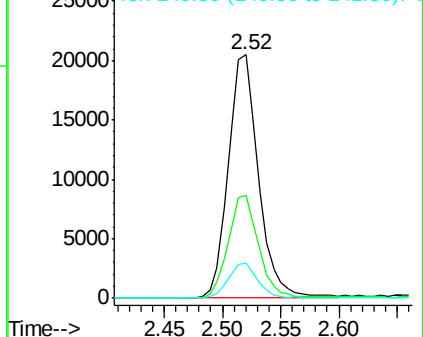
141 14.1 11.4 17.2

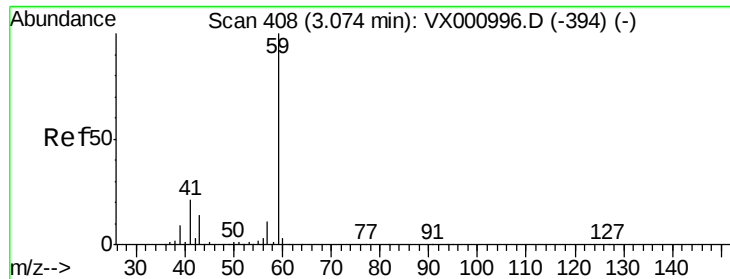


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

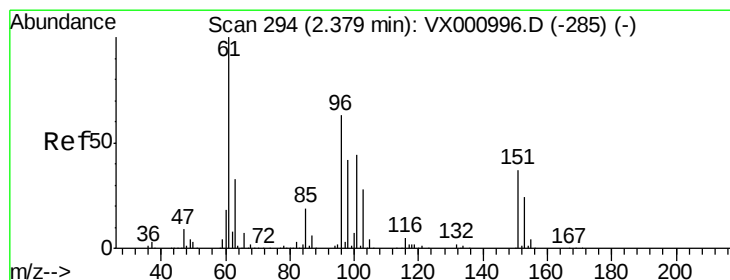
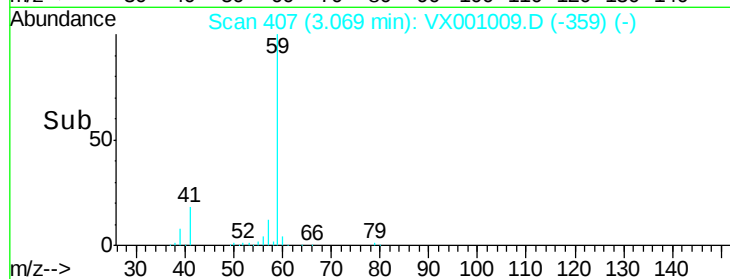
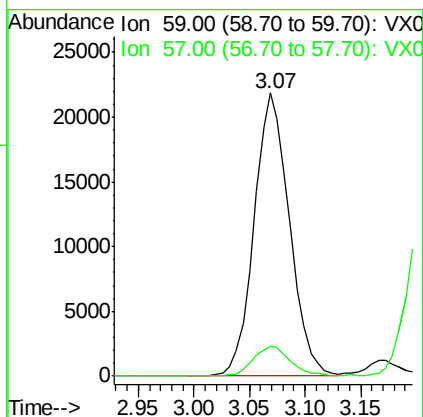
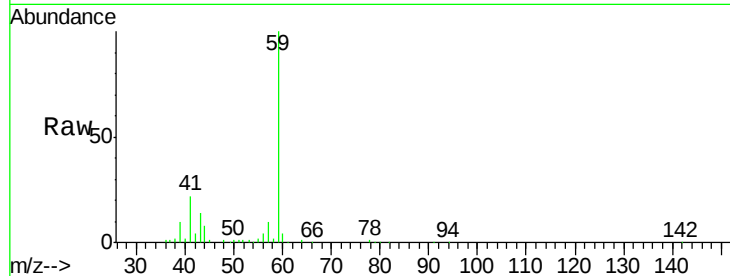




#11
Tert butyl alcohol
Concen: 103.51 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

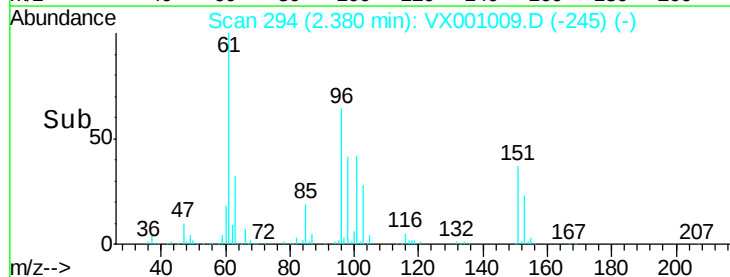
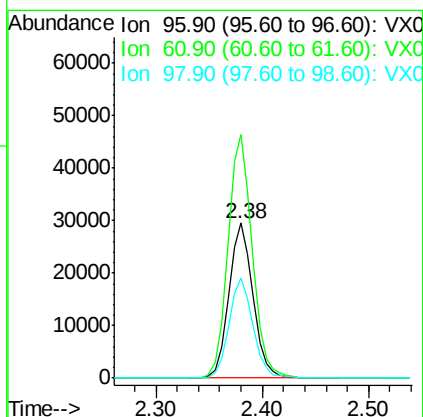
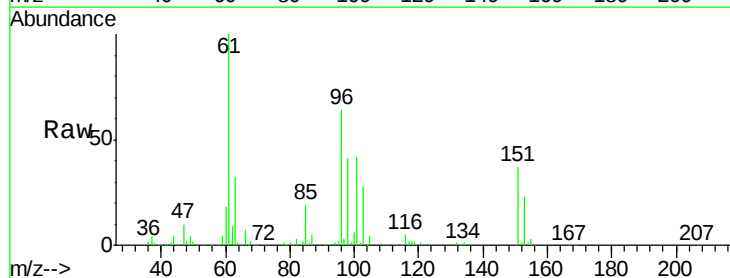
Instrument :
MSVOA_X
ClientSampled :

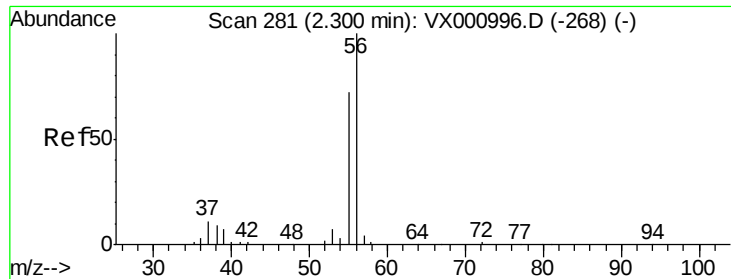
Tot Ion: 59 Resp: 48324
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.73 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 96 Resp: 46933
Ion Ratio Lower Upper
96 100
61 157.2 126.4 189.6
98 65.0 52.6 78.8





#13

Acrolein

Concen: 122.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

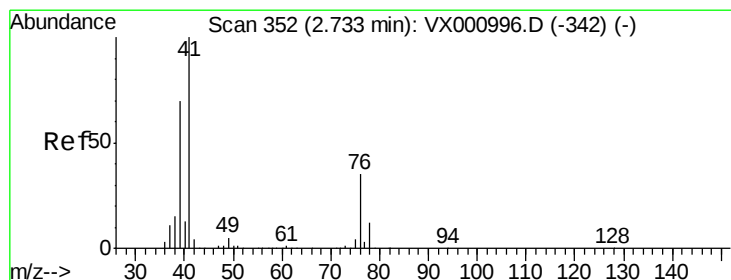
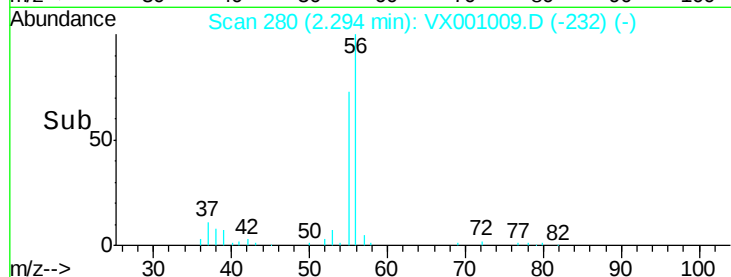
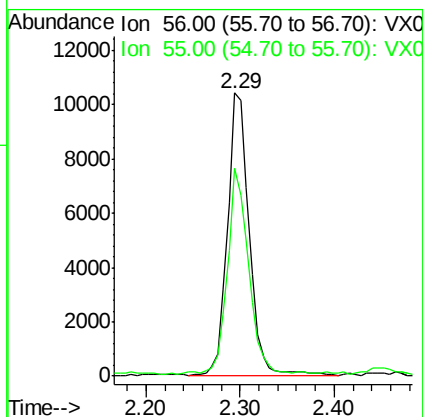
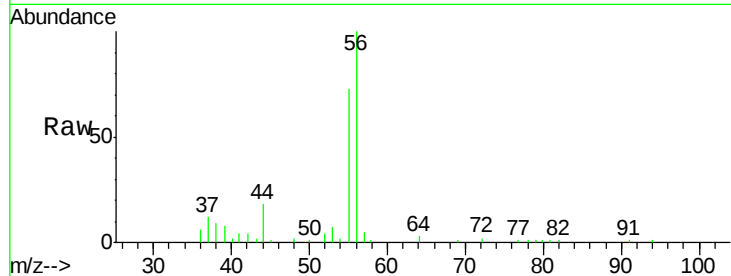
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 16919

Ion Ratio Lower Upper

56 100

55 70.3 57.4 86.2



#14

Allyl chloride

Concen: 19.75 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

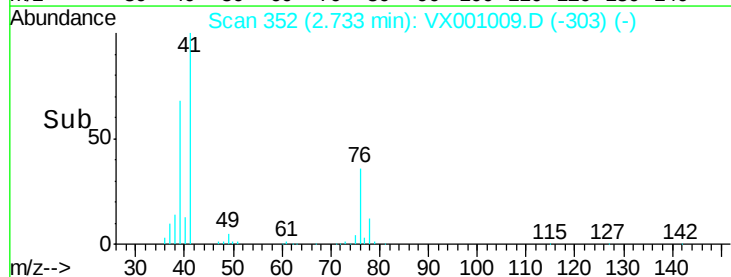
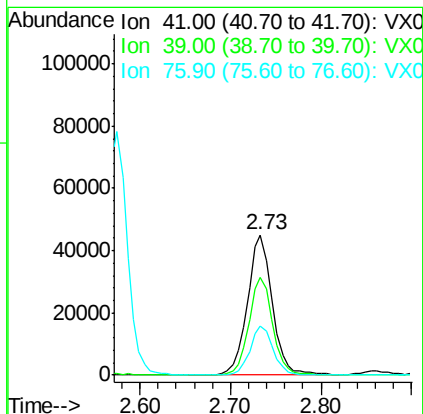
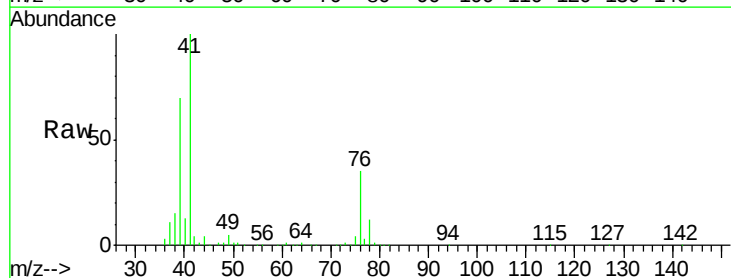
Tgt Ion: 41 Resp: 85044

Ion Ratio Lower Upper

41 100

39 65.7 53.0 79.6

76 32.7 25.9 38.9





#15

Acrylonitrile

Concen: 97.97 ug/l

RT: 3.15 min Scan# 421

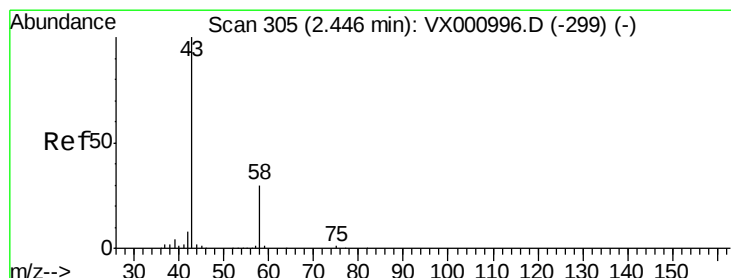
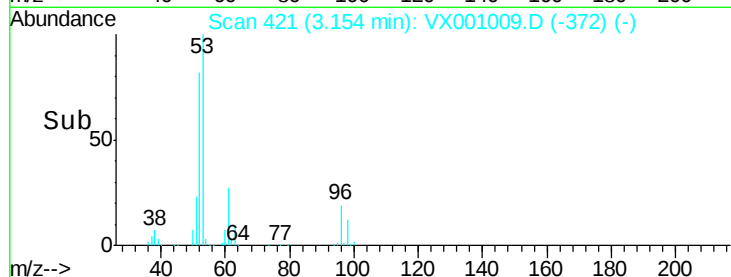
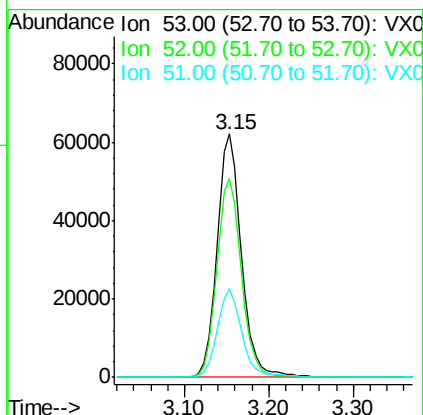
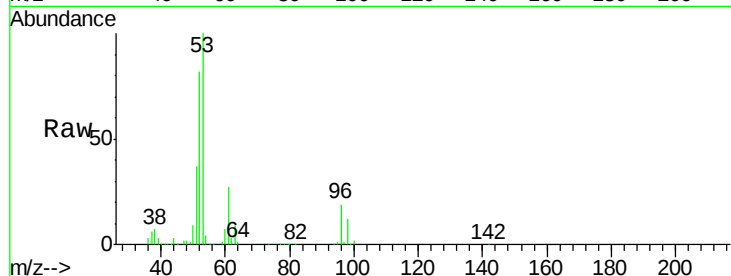
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	123783
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	36.7	29.0	43.6



#16

Acetone

Concen: 98.67 ug/l

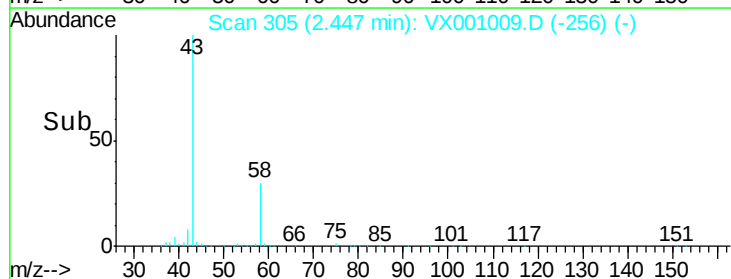
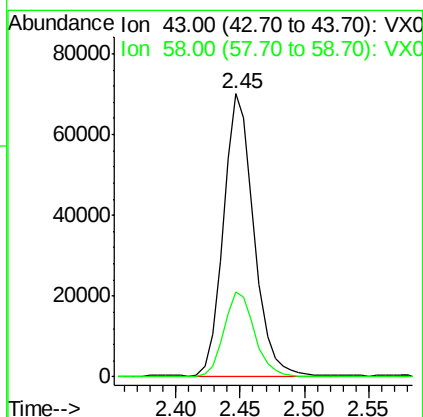
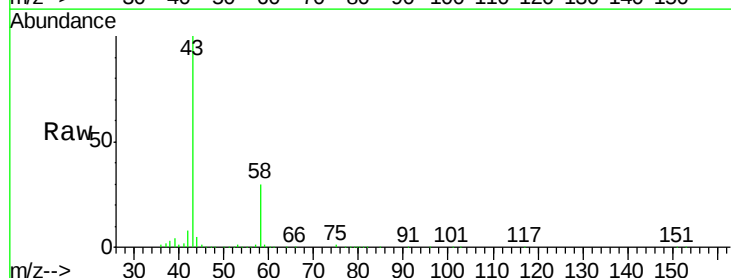
RT: 2.45 min Scan# 305

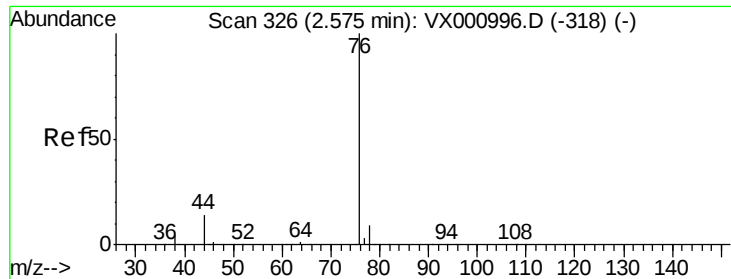
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	43	Resp:	115019
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.7	35.5

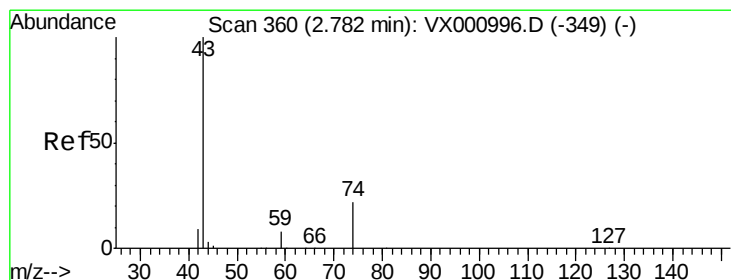
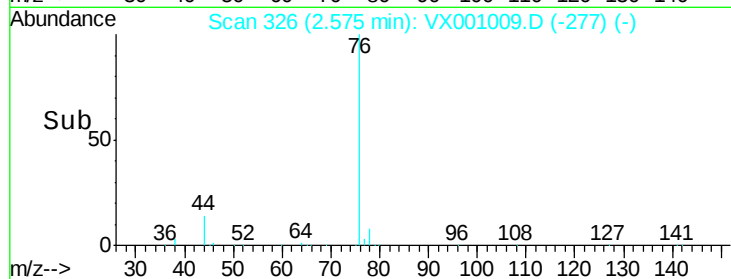
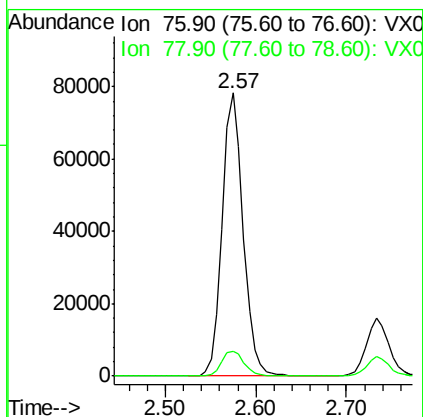
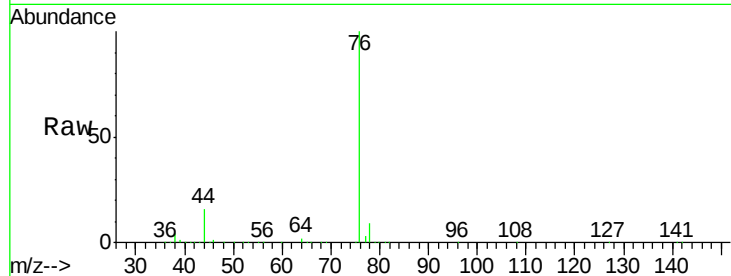




#17
Carbon Disulfide
Concen: 18.56 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

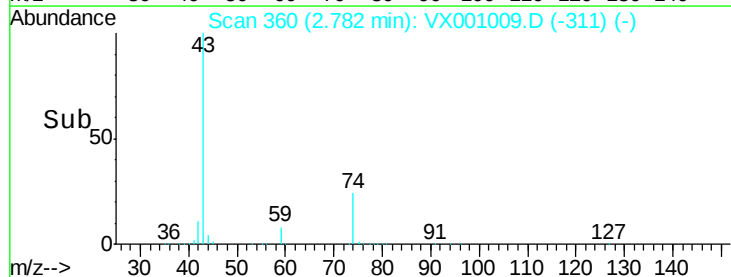
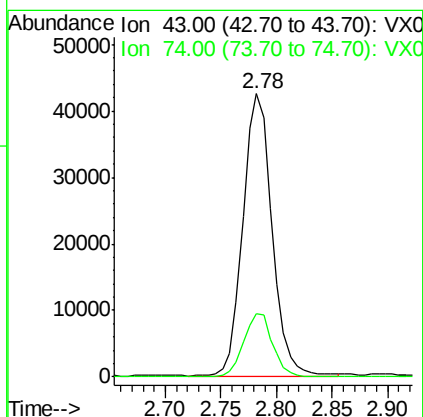
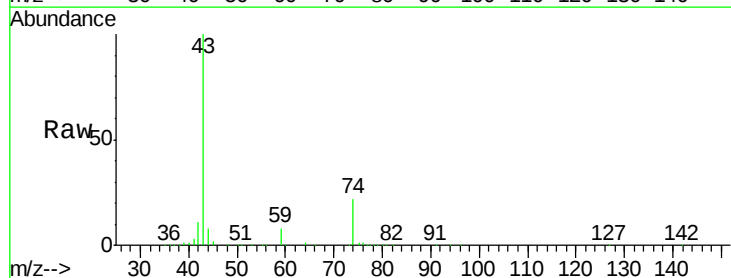
Instrument :
MSVOA_X
ClientSampled :

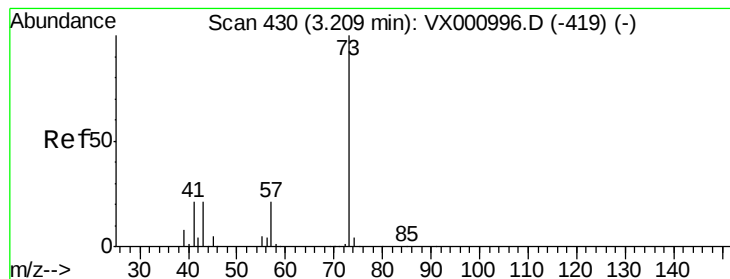
Tot Ion: 76 Resp: 125870
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 21.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 43 Resp: 77079
Ion Ratio Lower Upper
43 100
74 22.7 18.3 27.5





#19

Methyl tert-butyl Ether

Concen: 19.90 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

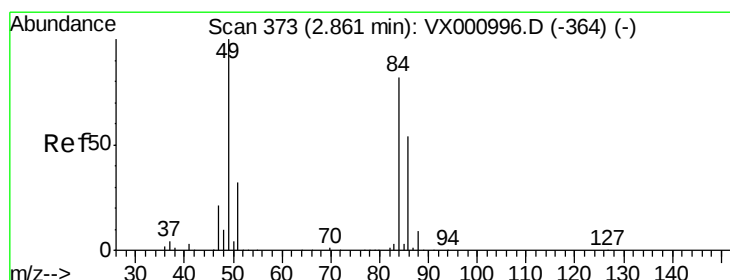
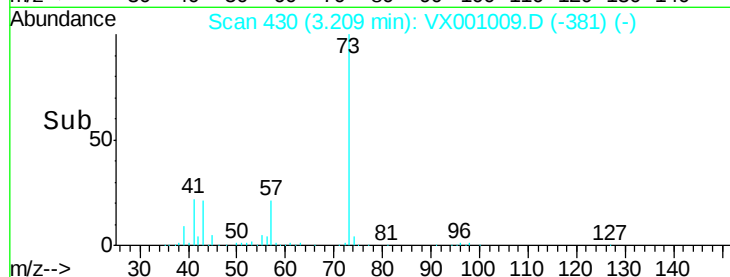
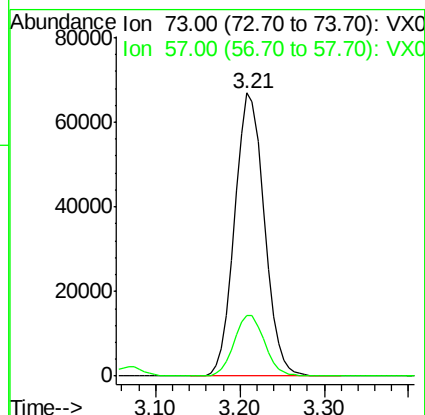
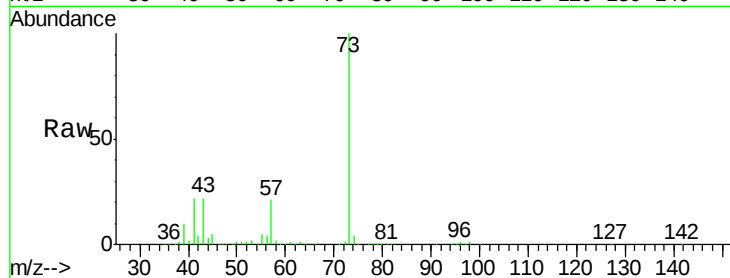
ClientSampleId :

Tot Ion: 73 Resp: 159215

Ion Ratio Lower Upper

73 100

57 21.3 17.1 25.7



#20

Methylene Chloride

Concen: 19.80 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion: 84 Resp: 50909

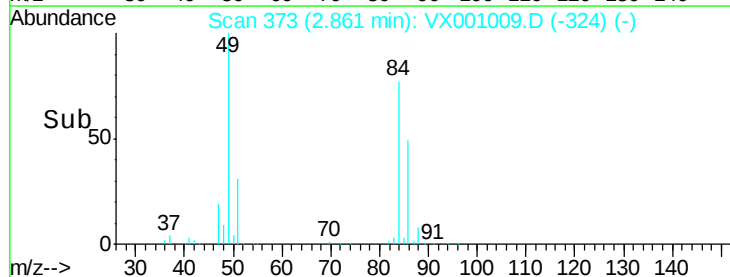
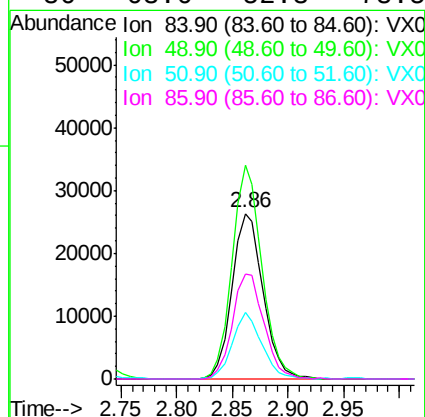
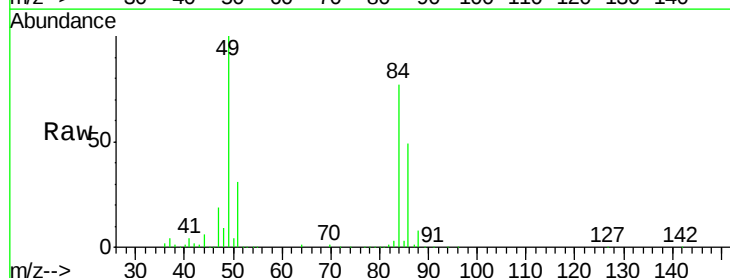
Ion Ratio Lower Upper

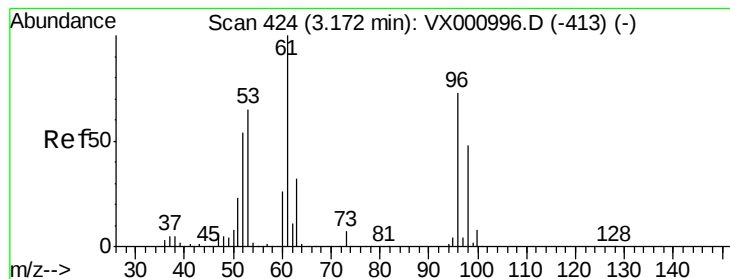
84 100

49 129.1 97.1 145.7

51 40.0 30.8 46.2

86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.25 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :

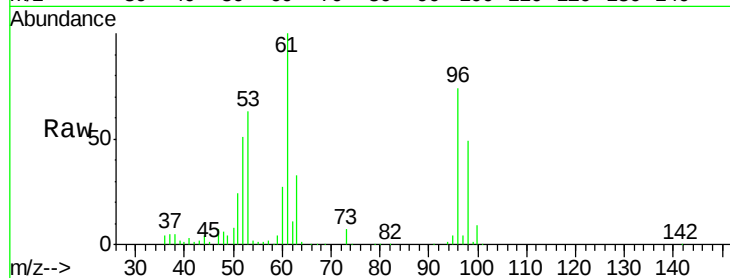
Tot Ion: 96 Resp: 51001

Ion Ratio Lower Upper

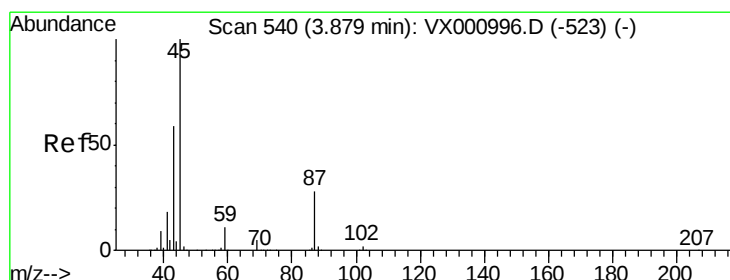
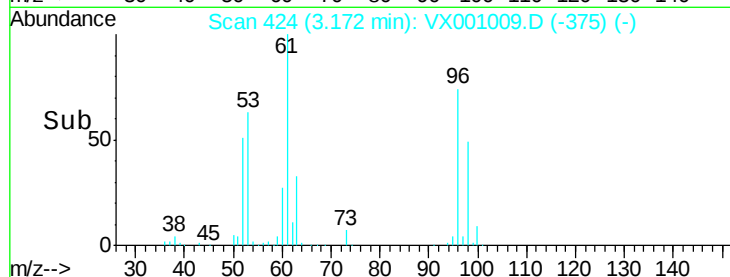
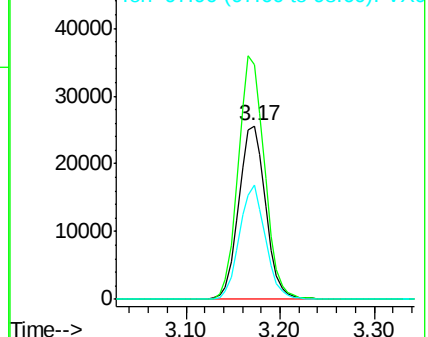
96 100

61 135.0 109.4 164.2

98 65.6 52.6 78.8



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



#22

Diisopropyl ether

Concen: 19.98 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion: 45 Resp: 166524

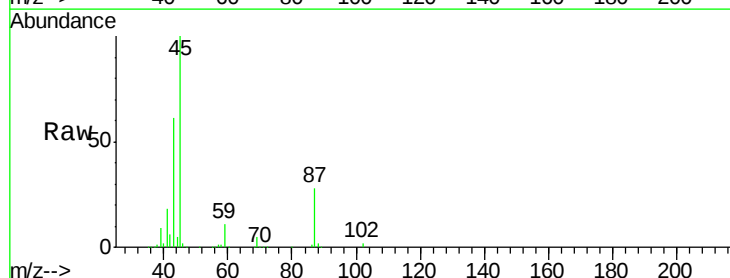
Ion Ratio Lower Upper

45 100

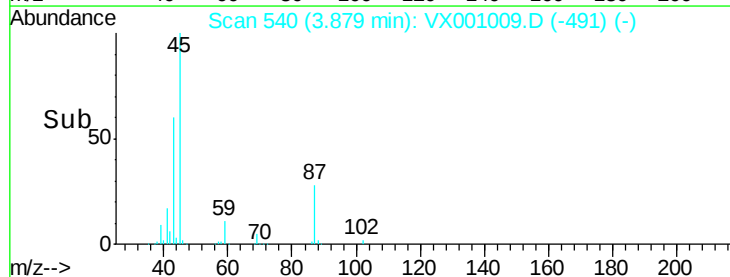
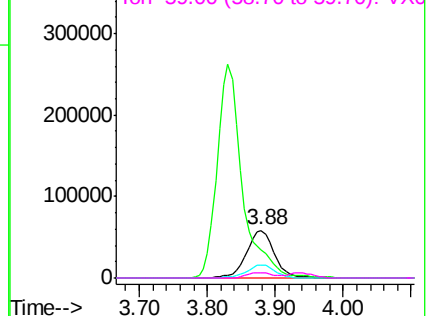
43 60.1 47.0 70.4

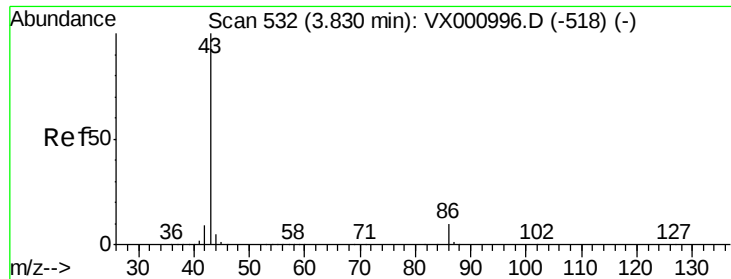
87 27.6 22.5 33.7

59 11.0 8.8 13.2



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





#23

Vinyl Acetate

Concen: 98.37 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

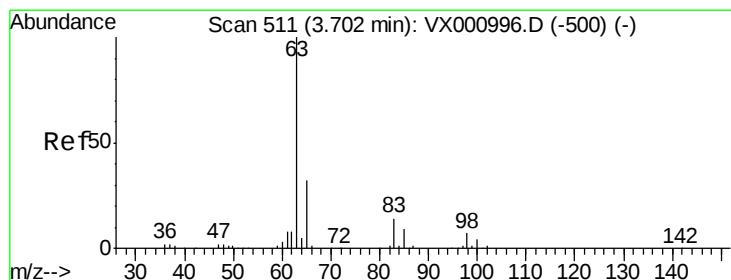
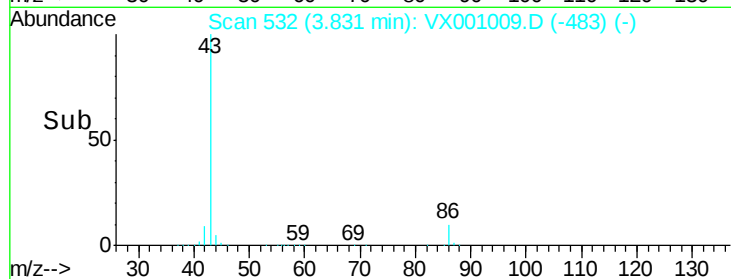
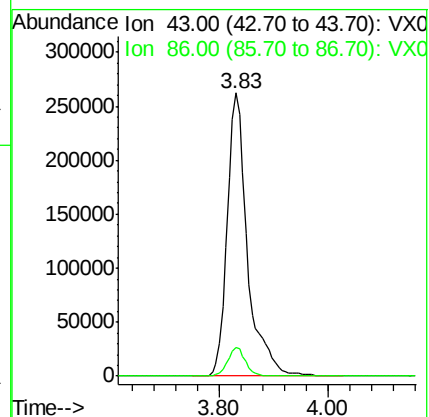
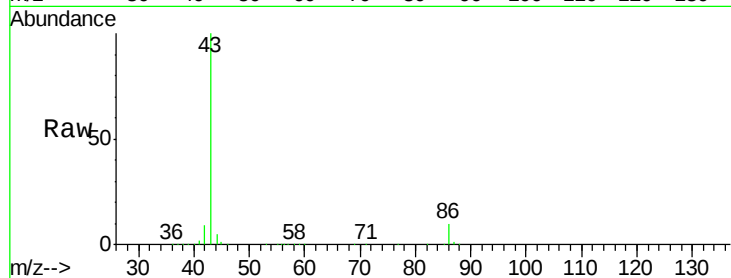
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 678865

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



#24

1,1-Dichloroethane

Concen: 19.63 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

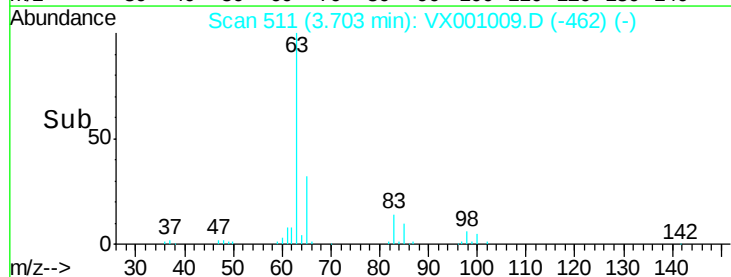
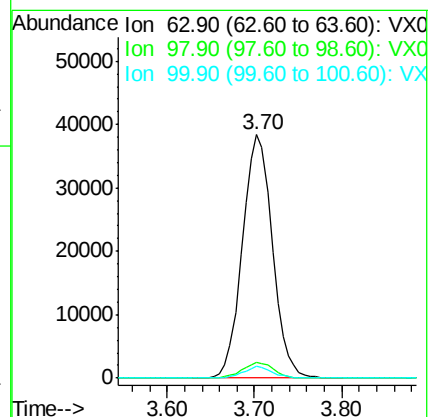
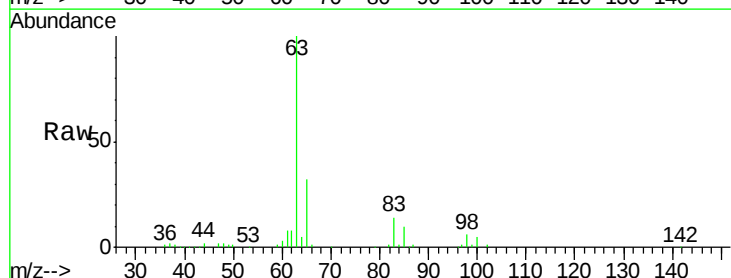
Tgt Ion: 63 Resp: 91788

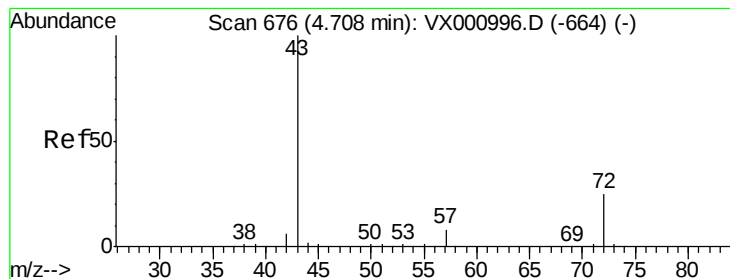
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 5.2 2.1 6.3





#25

2-Butanone

Concen: 99.81 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

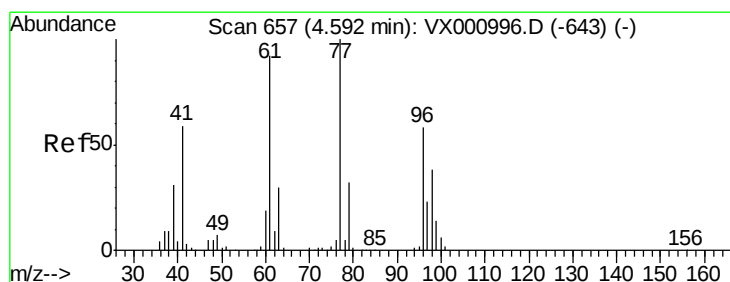
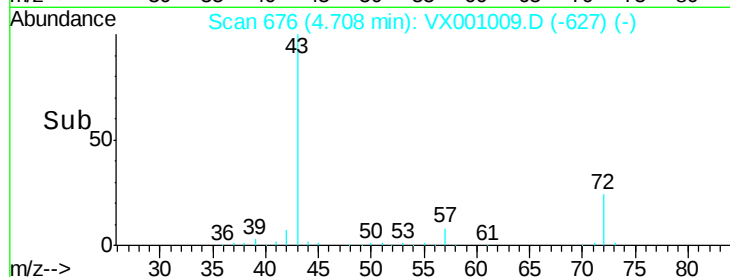
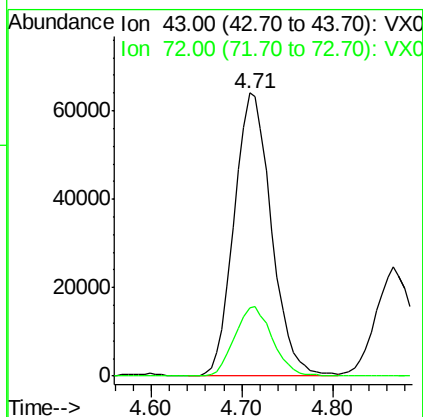
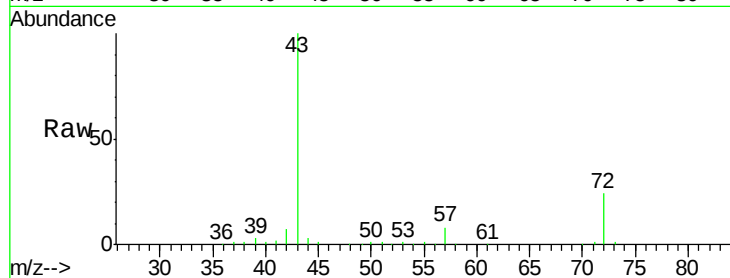
ClientSampleId :

Tot Ion: 43 Resp: 181630

Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.74 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001009.D

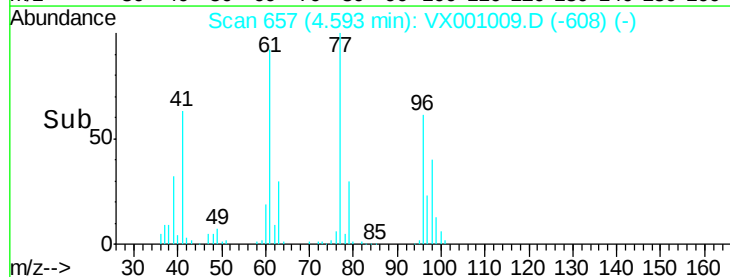
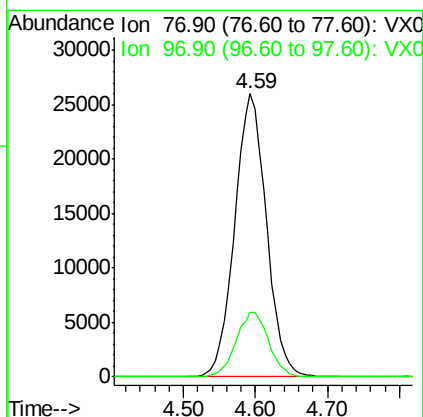
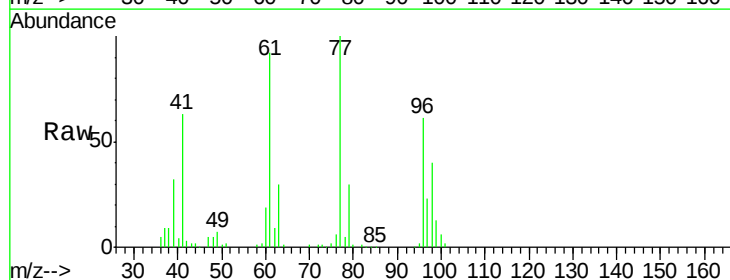
Acq: 20 Apr 2018 15:27

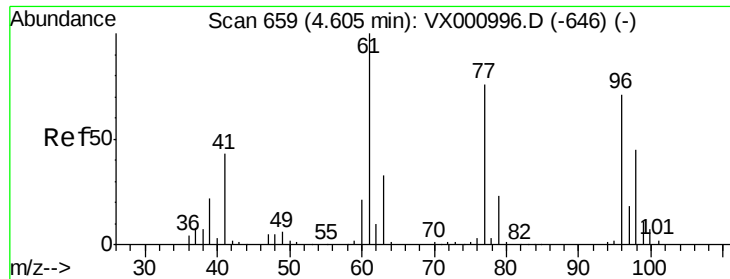
Tgt Ion: 77 Resp: 79389

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



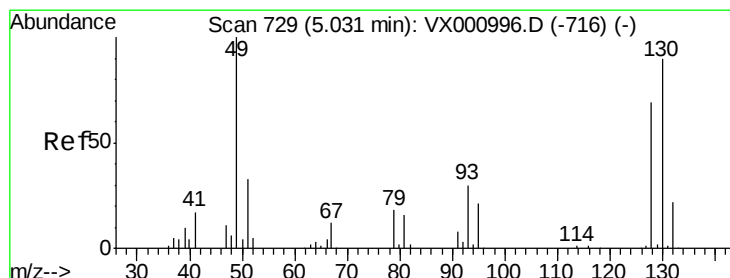
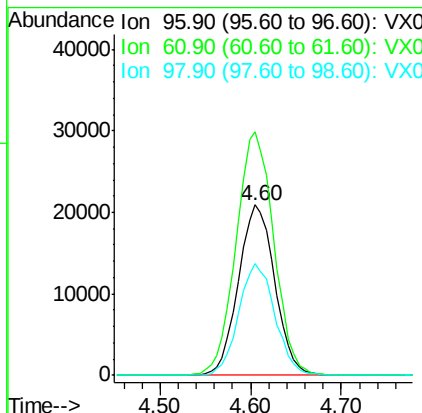
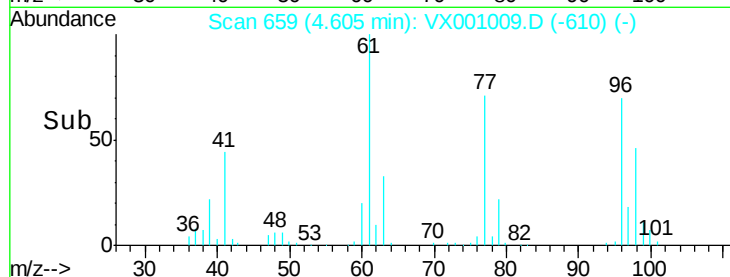
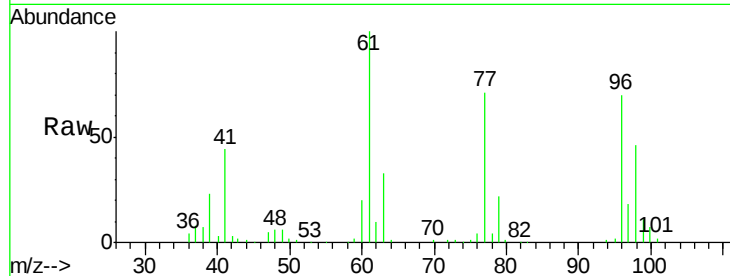


#27

cis-1,2-Dichloroethene
Concen: 19.73 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :

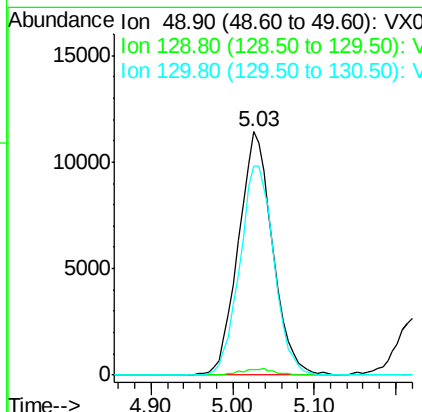
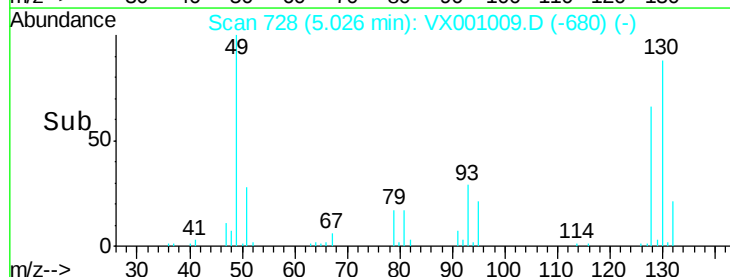
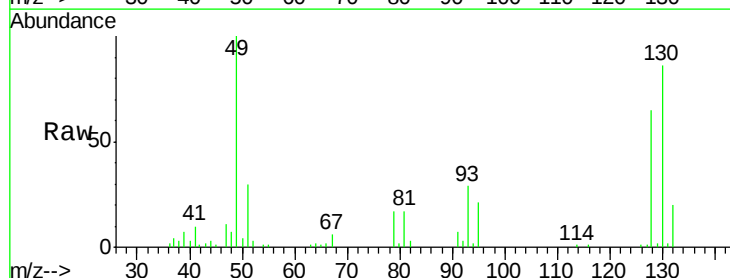
Tot Ion: 96 Resp: 58217
Ion Ratio Lower Upper
96 100
61 148.0 0.0 297.0
98 65.2 0.0 130.0

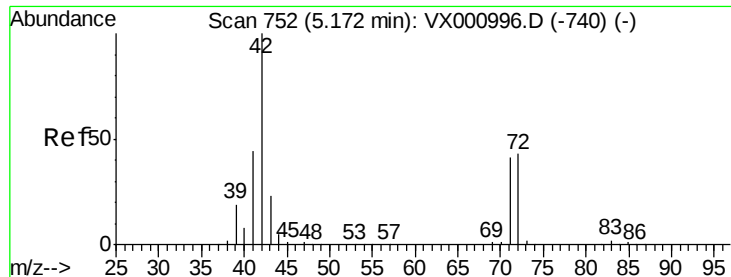


#28

Bromochloromethane
Concen: 18.48 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 49 Resp: 33228
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.8
130 86.0 70.6 105.8

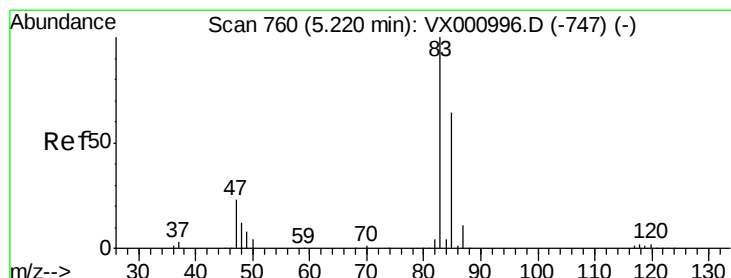
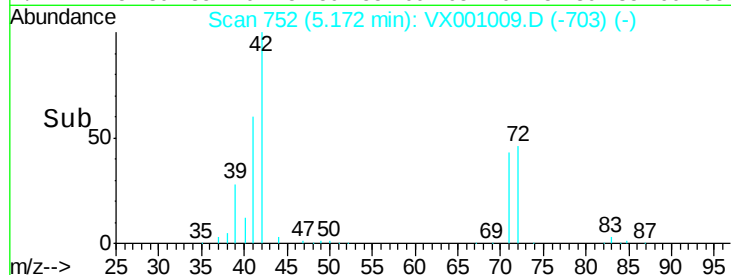
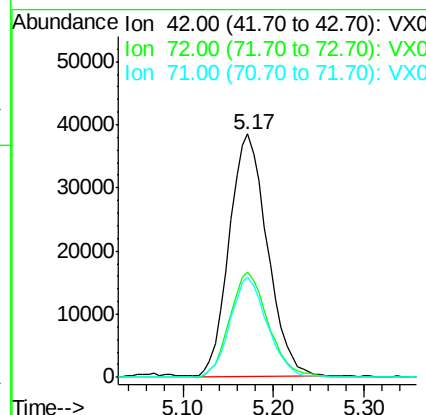
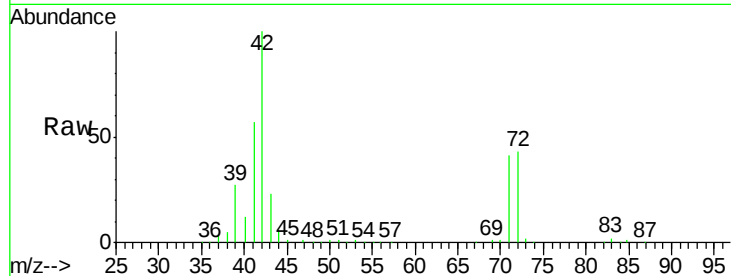




#29
Tetrahydrofuran
Concen: 97.91 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

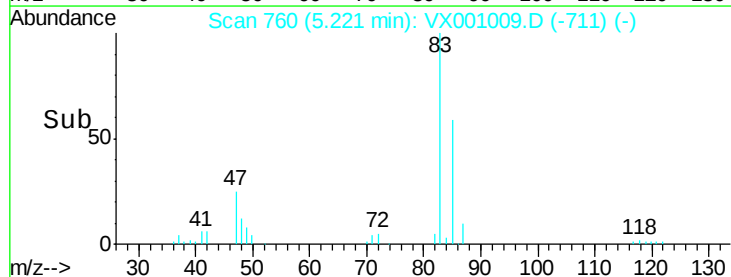
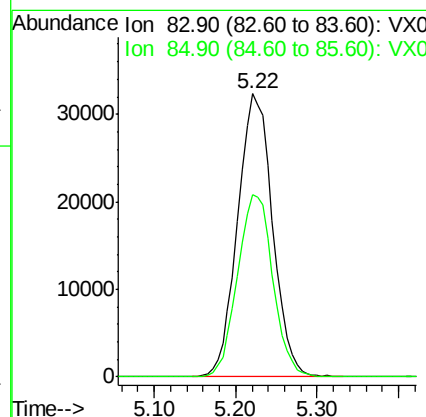
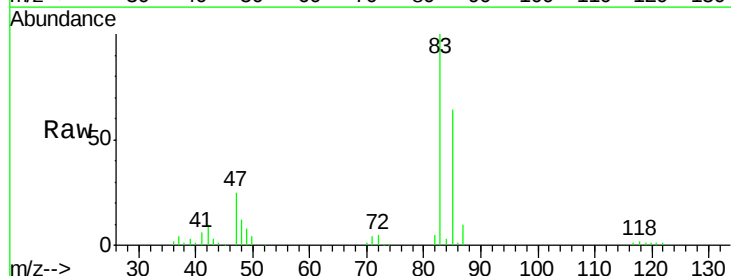
Instrument :
MSVOA_X
ClientSampled :

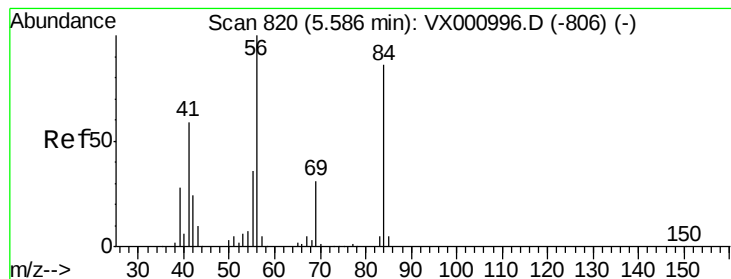
Tot Ion: 42 Resp: 112583
Ion Ratio Lower Upper
42 100
72 43.8 34.6 52.0
71 40.5 32.6 49.0



#30
Chloroform
Concen: 19.79 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 83 Resp: 95837
Ion Ratio Lower Upper
83 100
85 64.2 51.3 76.9





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

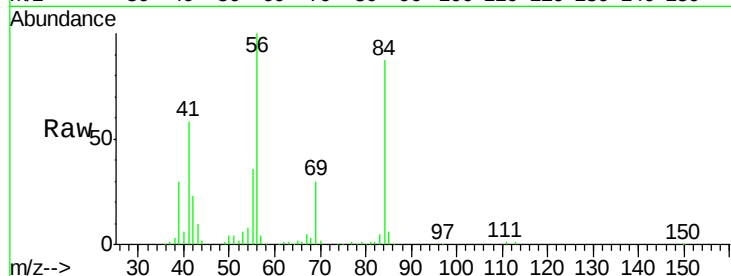
Tot Ion: 56 Resp: 83649

Ion Ratio Lower Upper

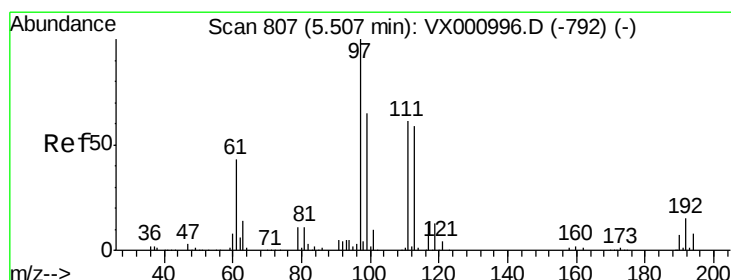
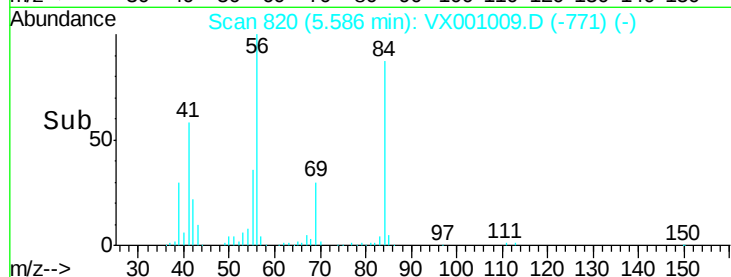
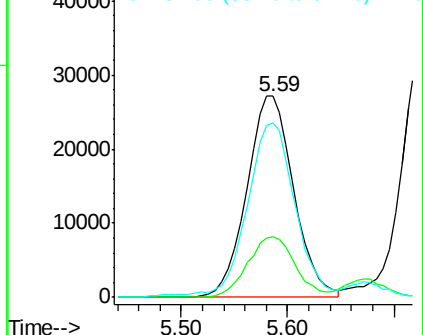
56 100

69 30.2 24.6 36.8

84 84.8 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.82 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

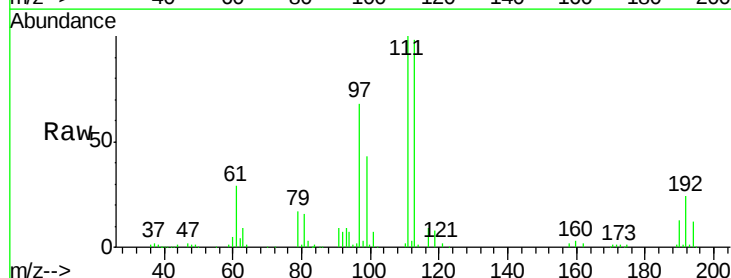
Tgt Ion: 97 Resp: 86041

Ion Ratio Lower Upper

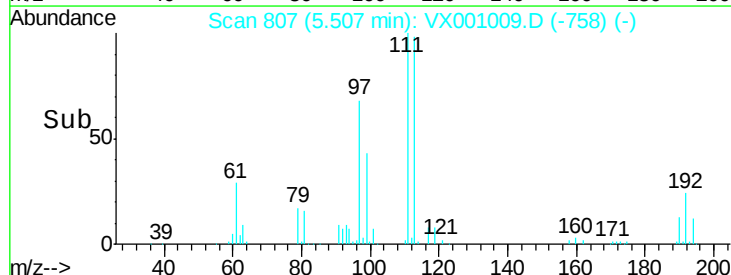
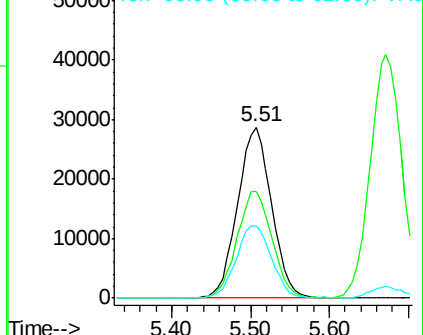
97 100

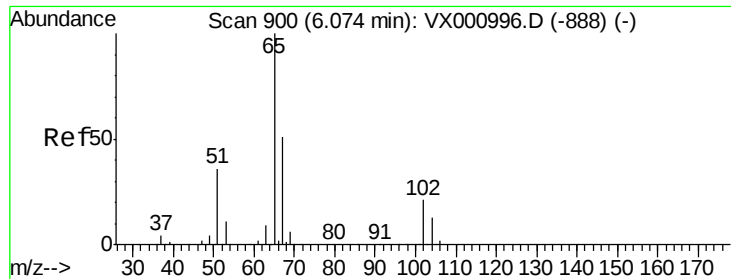
99 64.5 51.1 76.7

61 44.2 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.93 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

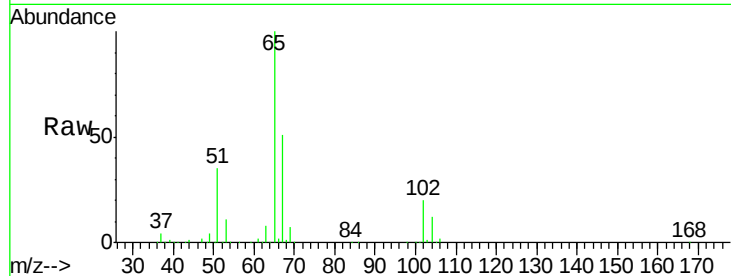
ClientSampleId :

Tot Ion: 65 Resp: 148363

Ion Ratio Lower Upper

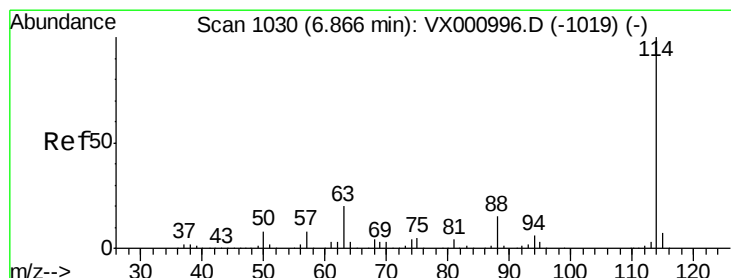
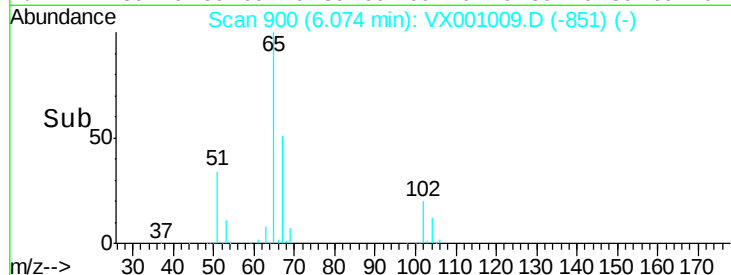
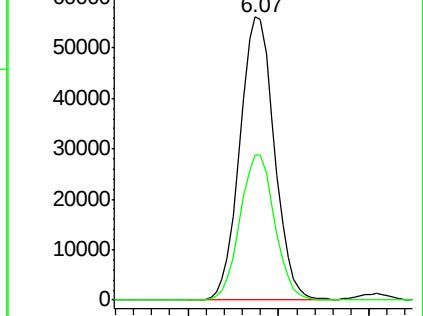
65 100

67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

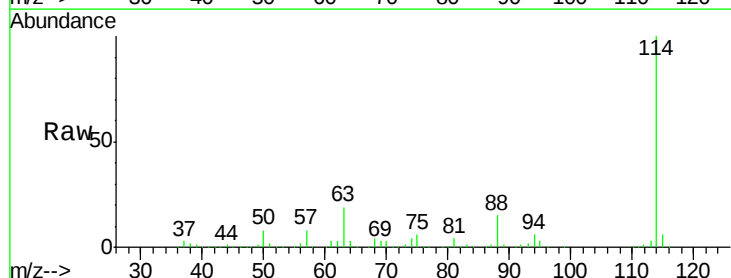
Tgt Ion: 114 Resp: 331116

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

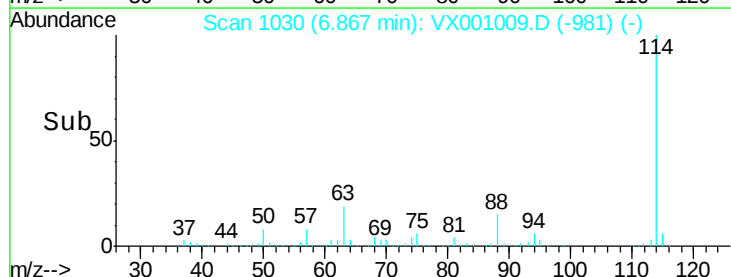
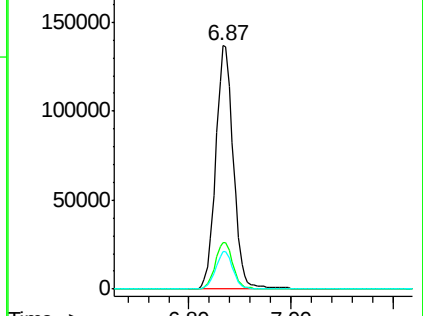
88 15.3 0.0 29.8

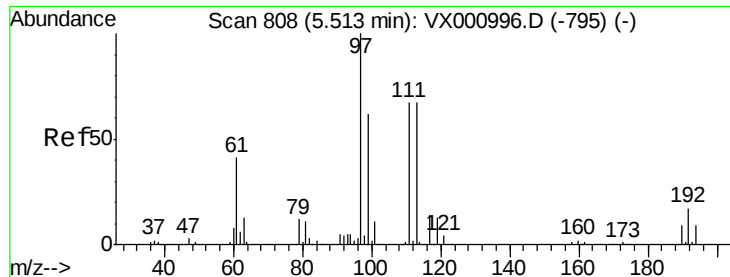


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

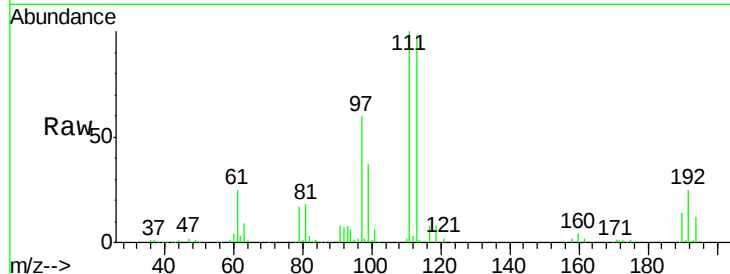




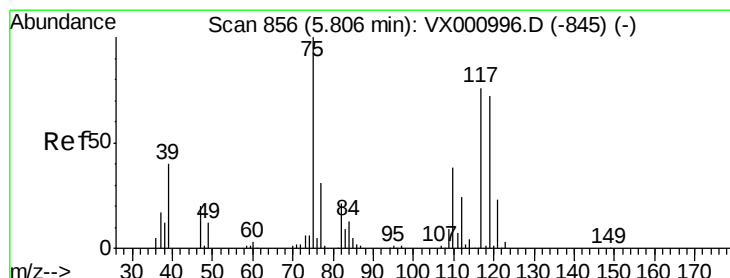
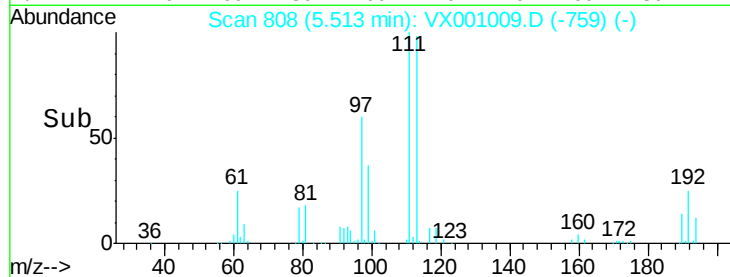
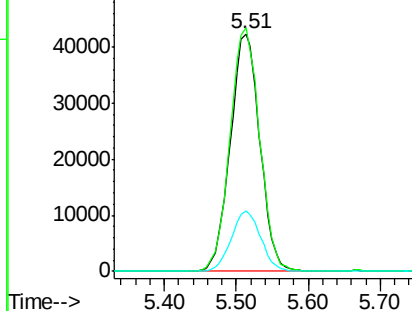
#35
 Dibromofluoromethane
 Concen: 47.82 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.2
192	25.3	20.4	30.6

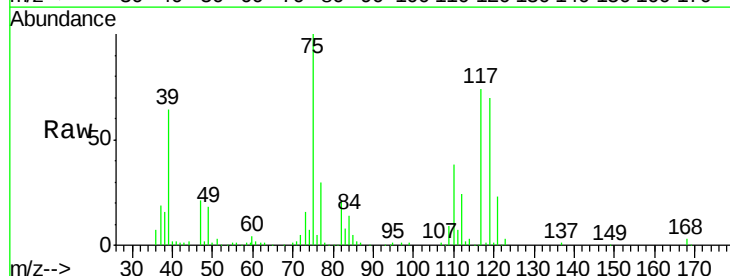


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

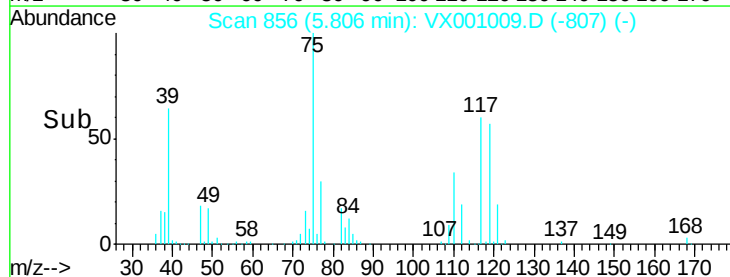
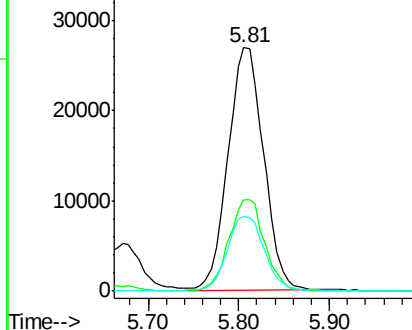


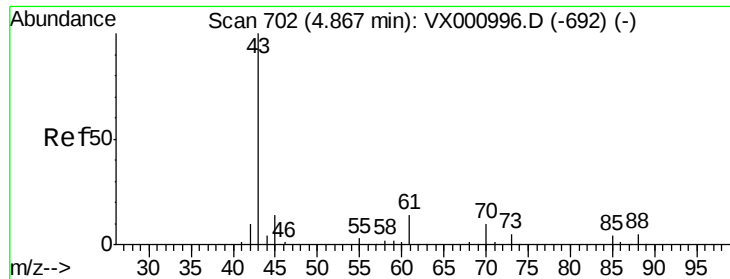
#36
 1,1-Dichloropropene
 Concen: 18.84 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.7	56.1
77	31.5	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

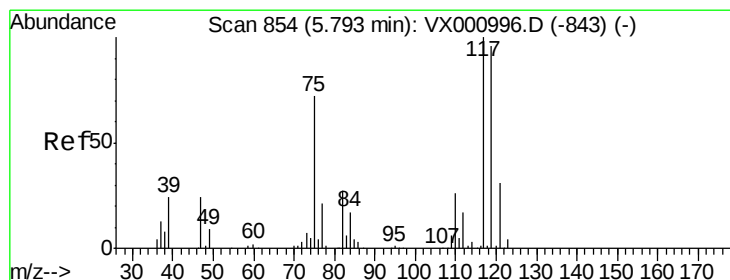
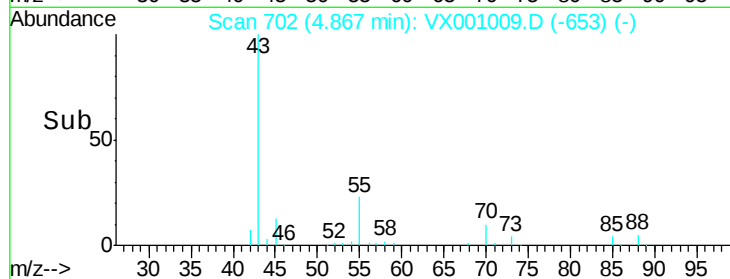
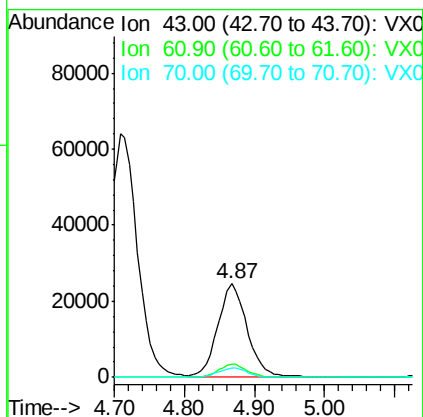
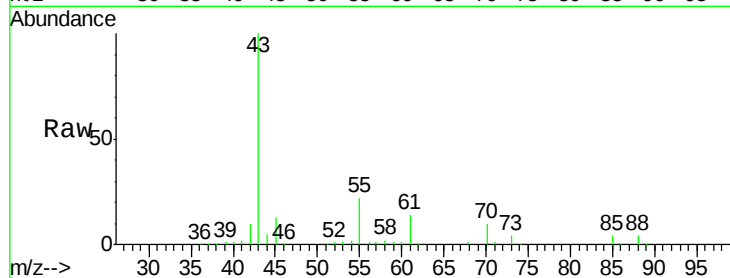




#37
Ethyl Acetate
Concen: 19.95 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

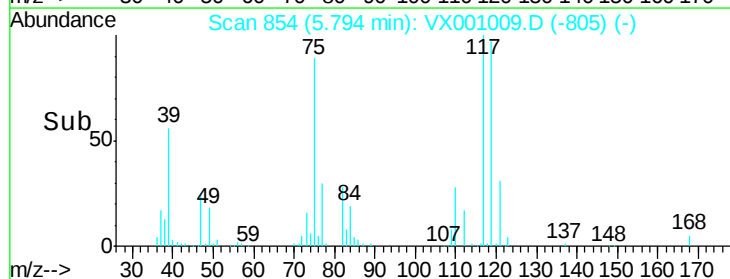
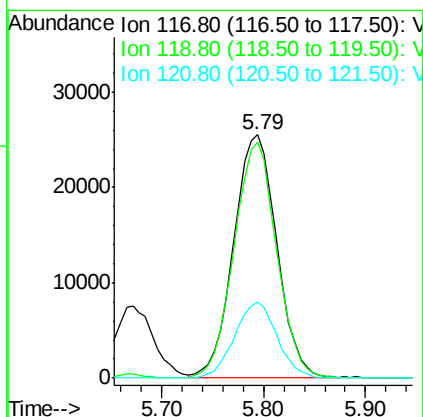
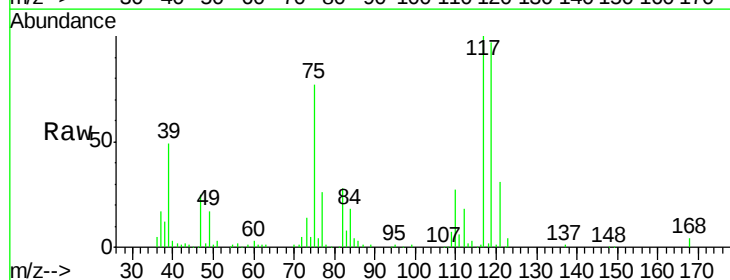
Instrument :
MSVOA_X
ClientSampled :

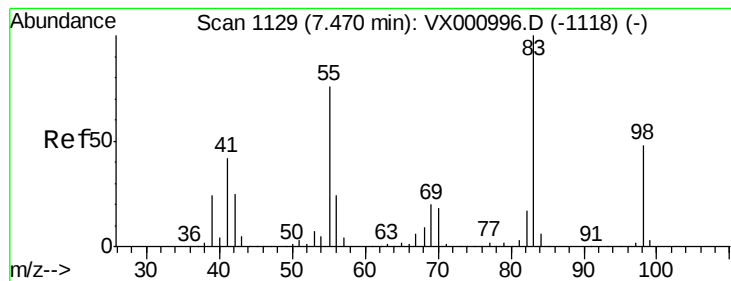
Tot Ion: 43 Resp: 71211
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 10.0 8.3 12.5



#38
Carbon Tetrachloride
Concen: 18.90 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 117 Resp: 74466
Ion Ratio Lower Upper
117 100
119 97.2 76.5 114.7
121 31.3 24.5 36.7





#39

Methvlcvclohexane

Concen: 18.79 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

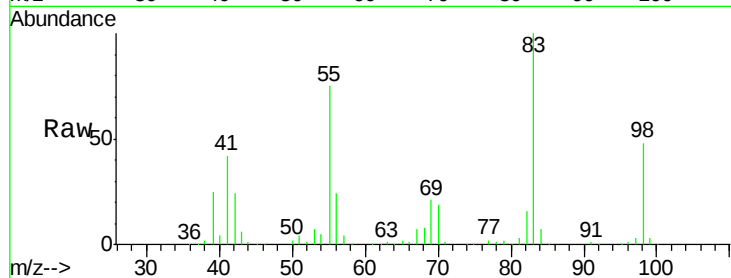
Tot Ion: 83 Resp: 85085

Ion Ratio Lower Upper

83 100

55 75.3 60.6 91.0

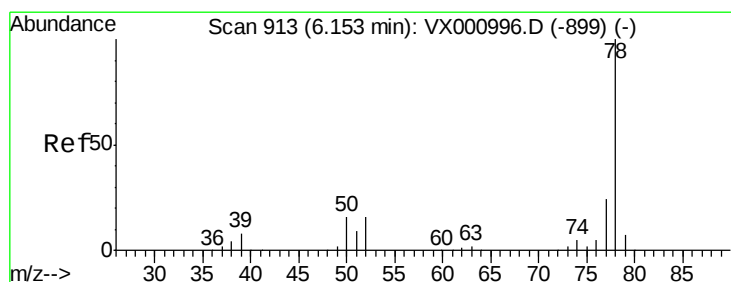
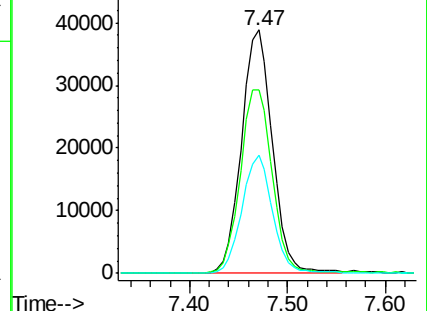
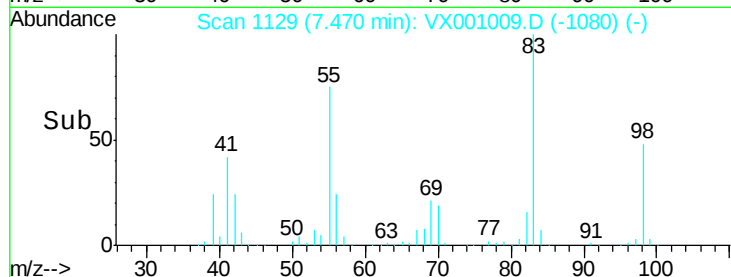
98 48.5 38.2 57.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 19.50 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001009.D

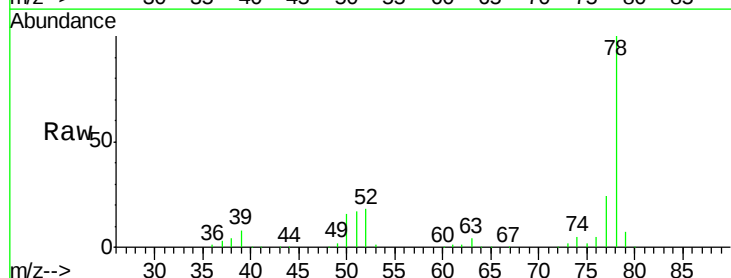
Acq: 20 Apr 2018 15:27

Tgt Ion: 78 Resp: 210994

Ion Ratio Lower Upper

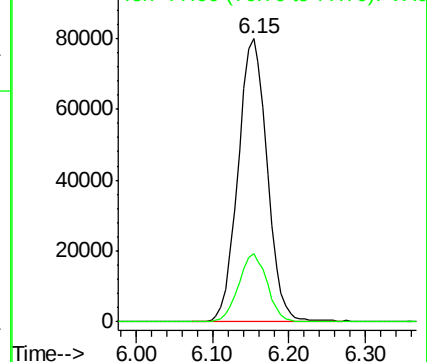
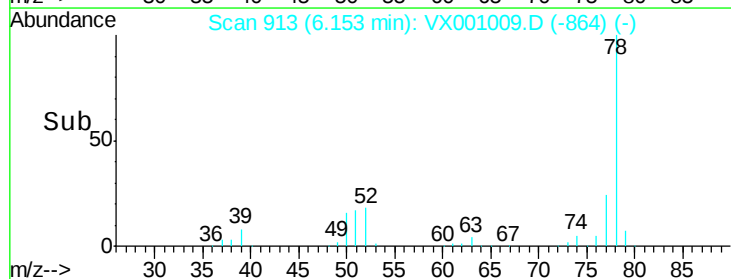
78 100

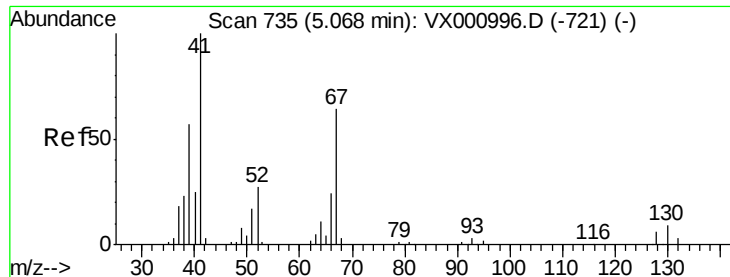
77 24.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

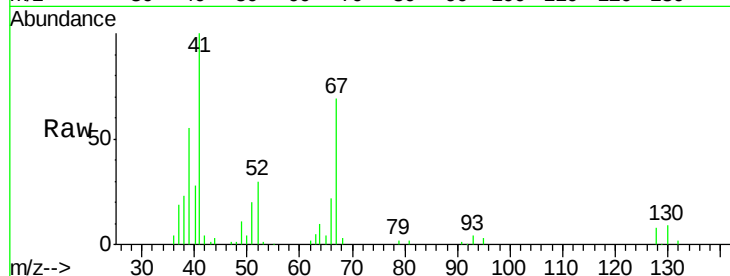




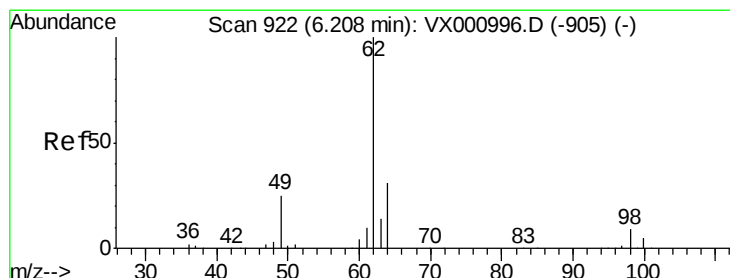
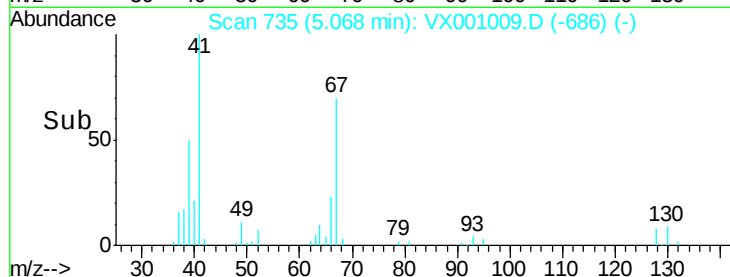
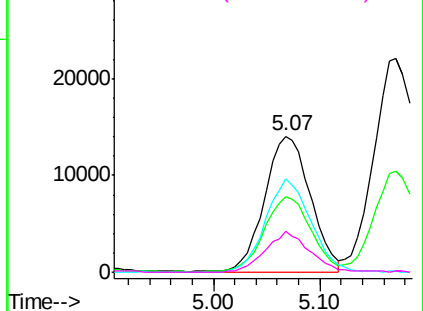
#41
Methacrylonitrile
Concen: 18.62 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	41511
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.2	67.8
67	68.9	53.8	80.8
52	29.4	22.4	33.6

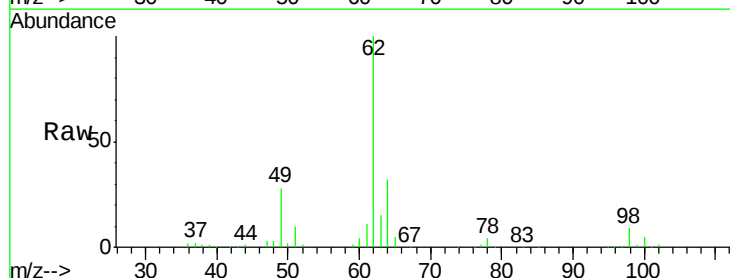


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

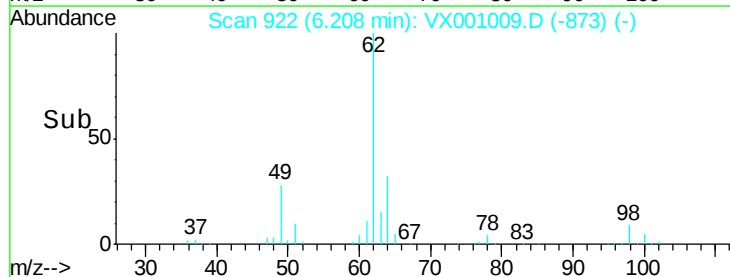
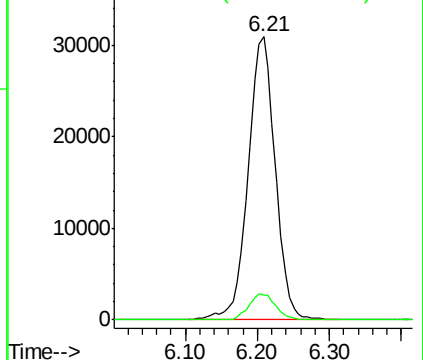


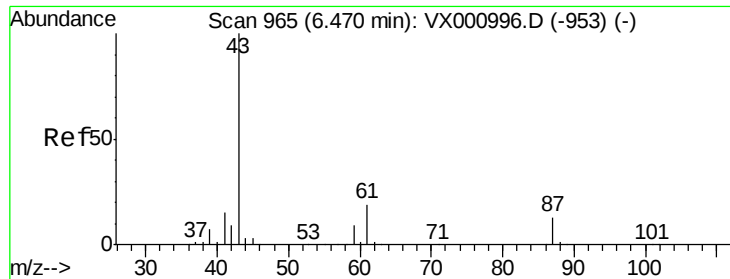
#42
1,2-Dichloroethane
Concen: 19.50 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:	62	Resp:	80957
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



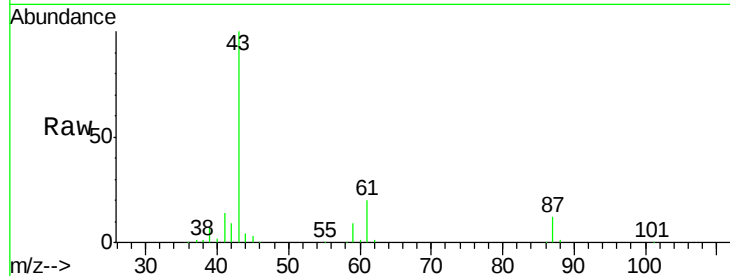


#43

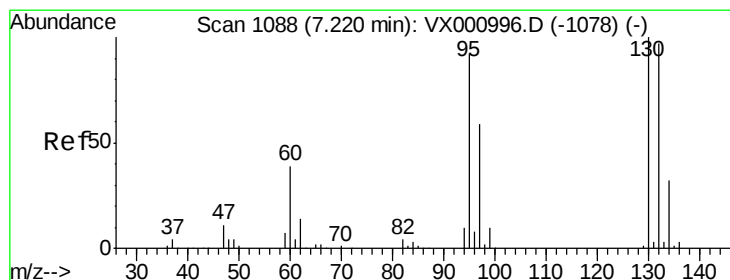
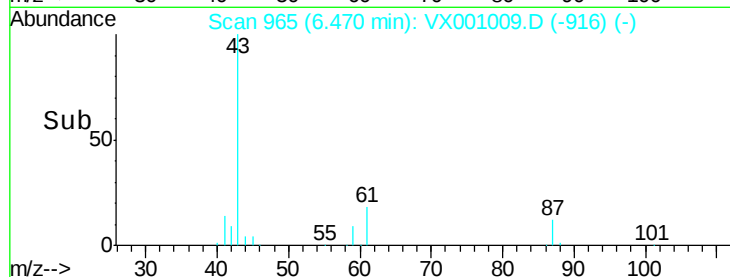
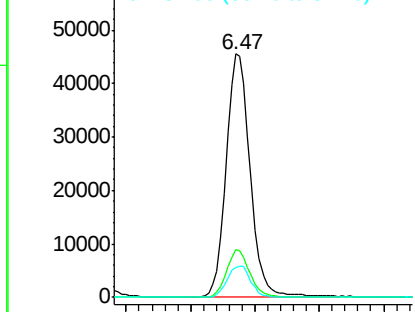
Isopropyl Acetate
 Concen: 19.47 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 119222
 Ion Ratio Lower Upper
 43 100
 61 19.1 15.4 23.2
 87 12.8 10.6 15.8



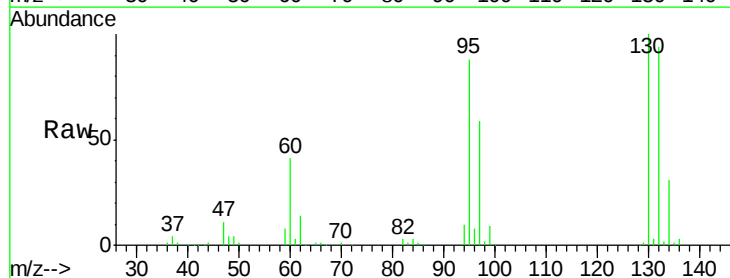
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



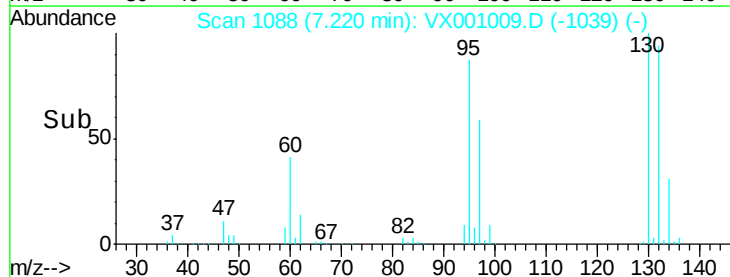
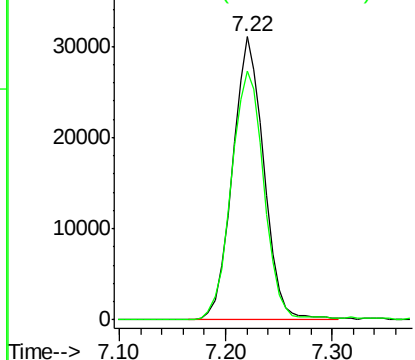
#44

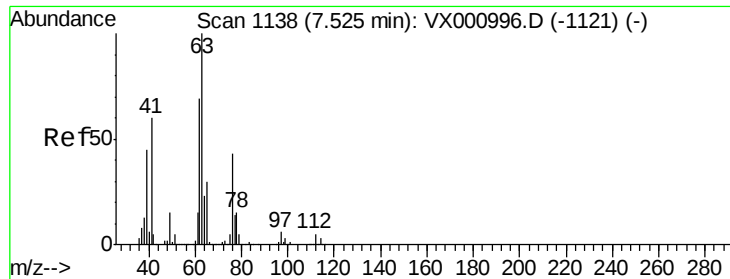
Trichloroethene
 Concen: 19.33 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion:130 Resp: 63897
 Ion Ratio Lower Upper
 130 100
 95 87.7 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

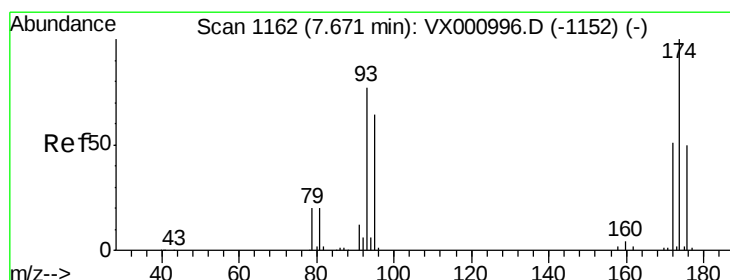
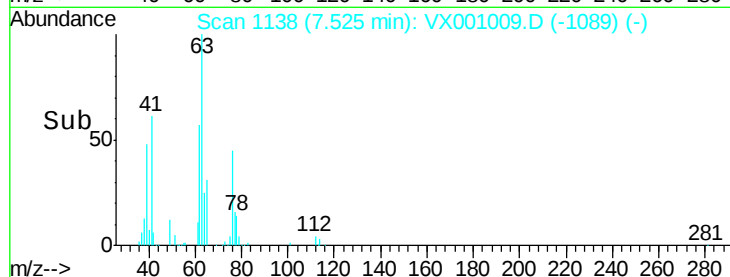
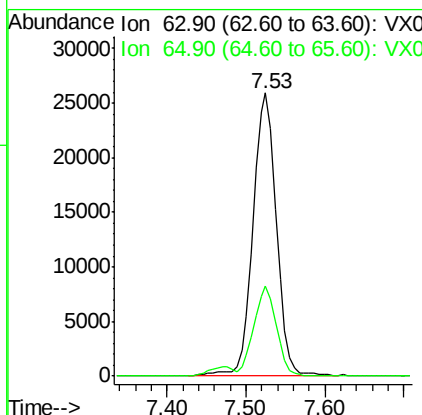
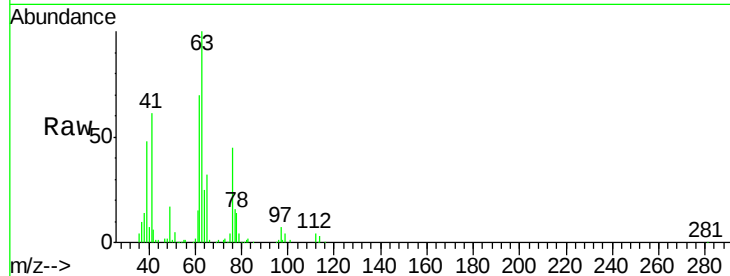




#45
 1,2-Dichloropropane
 Concen: 19.76 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

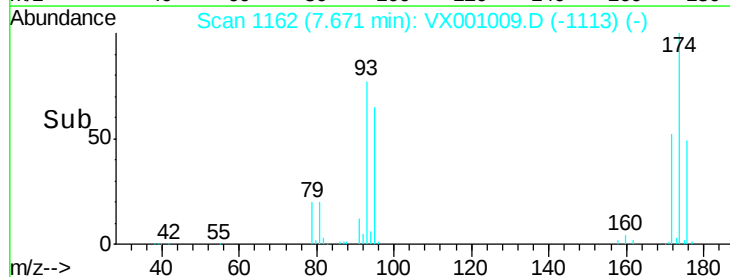
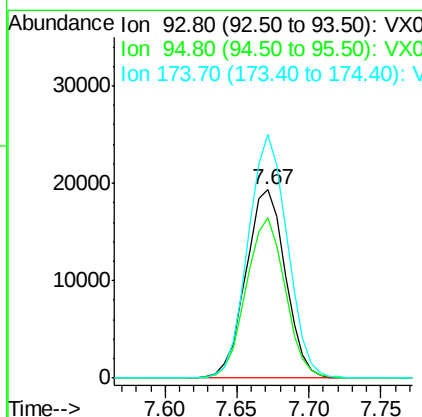
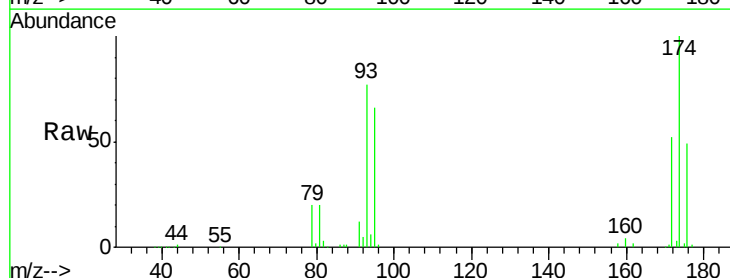
Instrument :
 MSVOA_X
 ClientSampled :

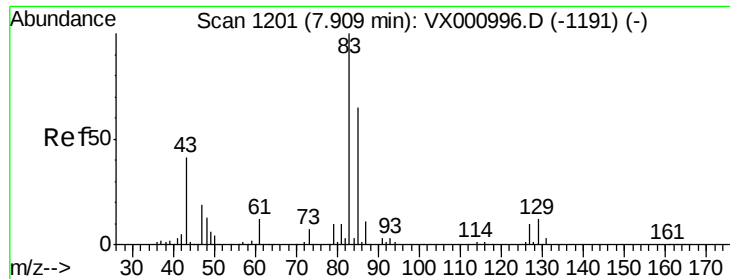
Tot Ion: 63 Resp: 53738
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.4 36.6



#46
 Dibromomethane
 Concen: 19.41 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion: 93 Resp: 36886
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 127.9 101.8 152.6





#47

Bromodichloromethane

Concen: 19.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

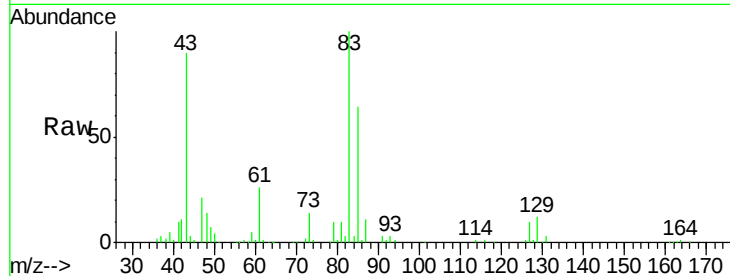
Tot Ion: 83 Resp: 68423

Ion Ratio Lower Upper

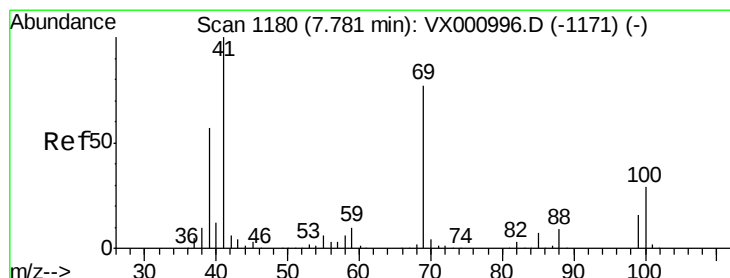
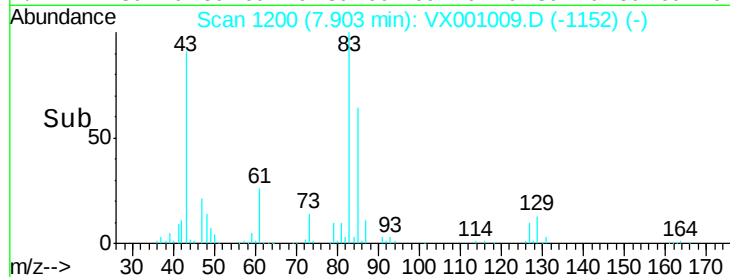
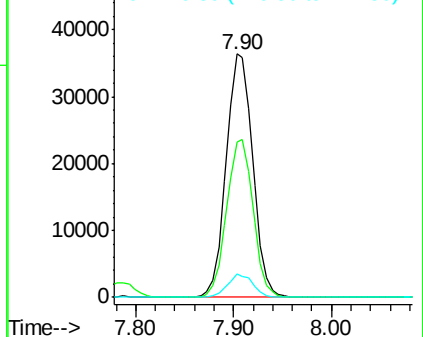
83 100

85 63.9 52.3 78.5

127 9.6 7.8 11.6



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



#48

Methyl methacrylate

Concen: 19.35 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

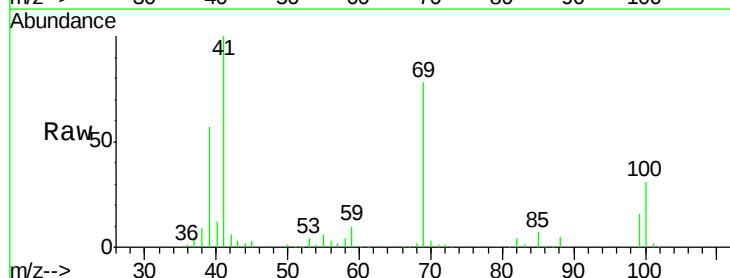
Tgt Ion: 41 Resp: 63789

Ion Ratio Lower Upper

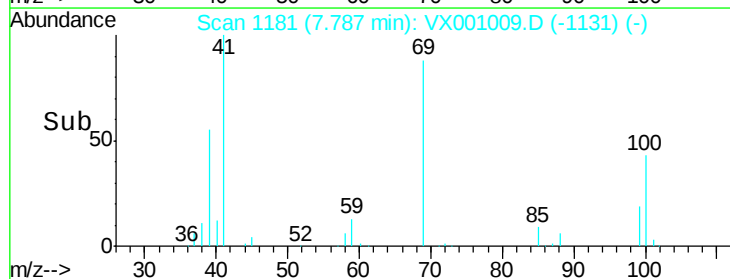
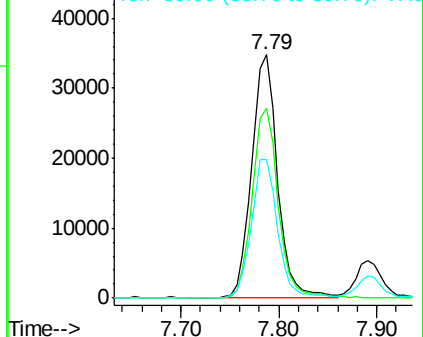
41 100

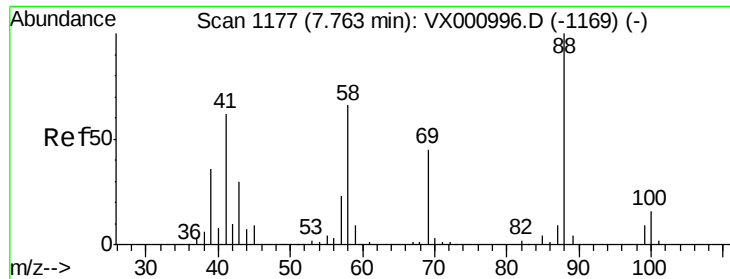
69 79.6 62.6 94.0

39 58.6 45.3 67.9



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

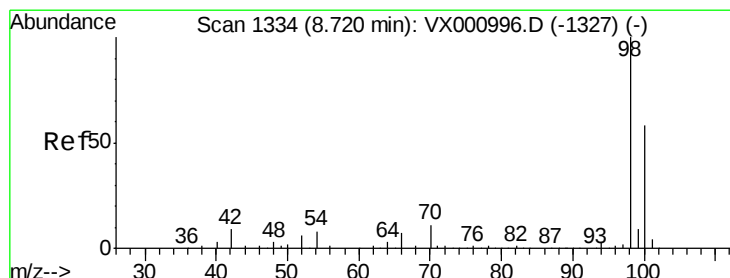
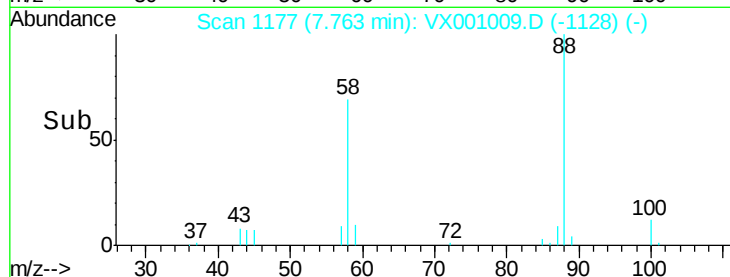
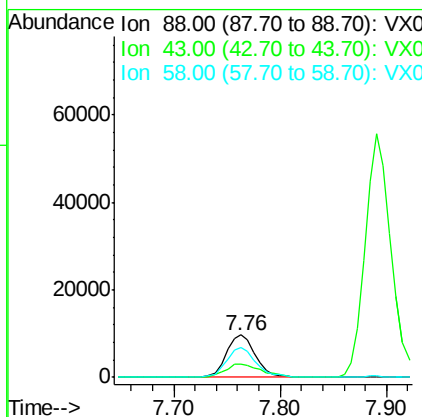
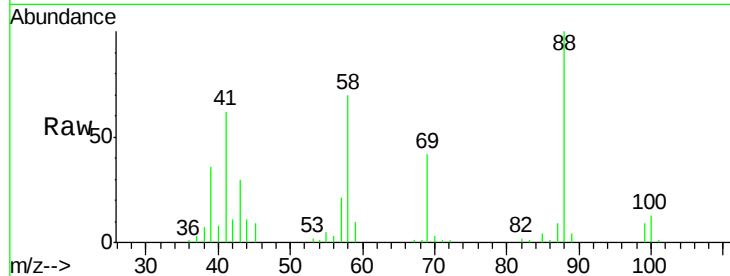




#49
1,4-Dioxane
Concen: 385.47 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

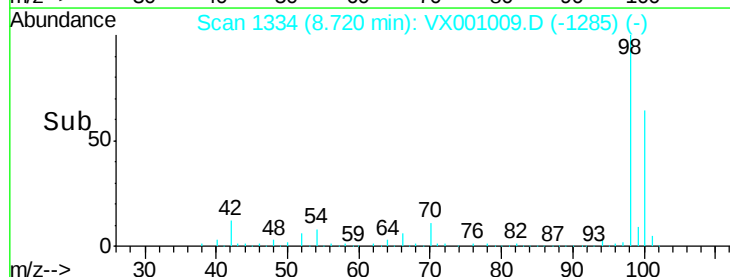
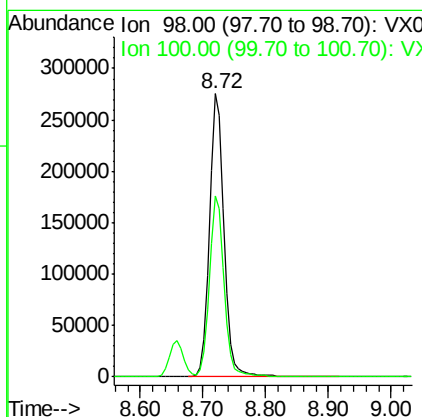
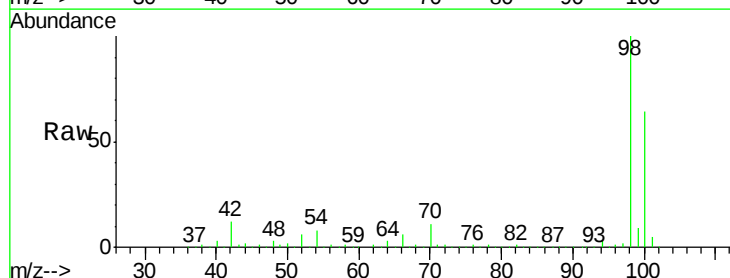
Instrument :
MSVOA_X
ClientSampleId :

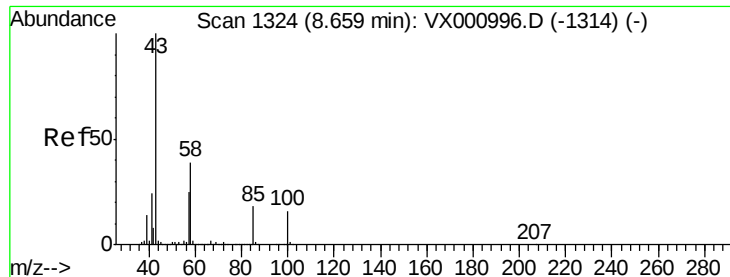
Tot Ion: 88 Resp: 18690
Ion Ratio Lower Upper
88 100
43 37.4 29.2 43.8
58 72.0 55.0 82.6



#50
Toluene-d8
Concen: 47.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 98 Resp: 440965
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 100.09 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

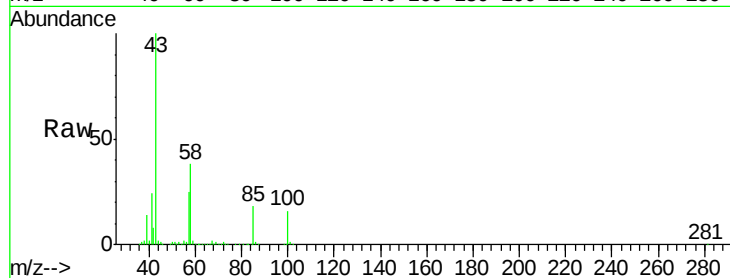
ClientSampleId :

Tot Ion: 43 Resp: 372148

Ion Ratio Lower Upper

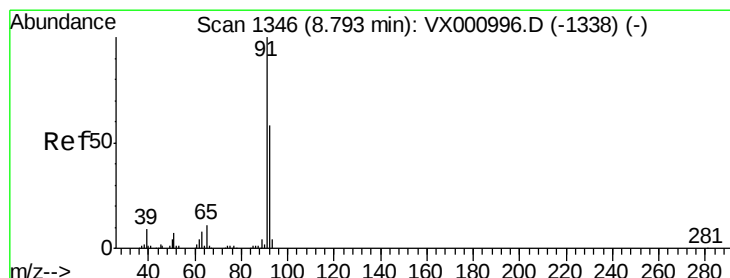
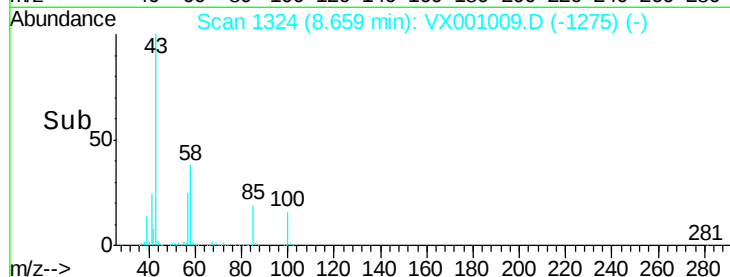
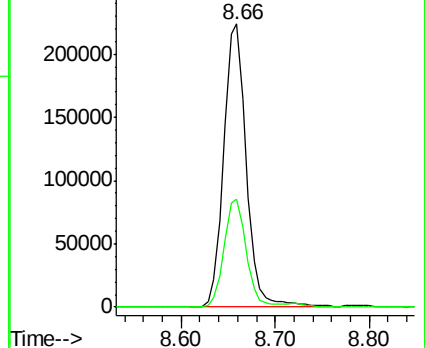
43 100

58 37.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.67 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001009.D

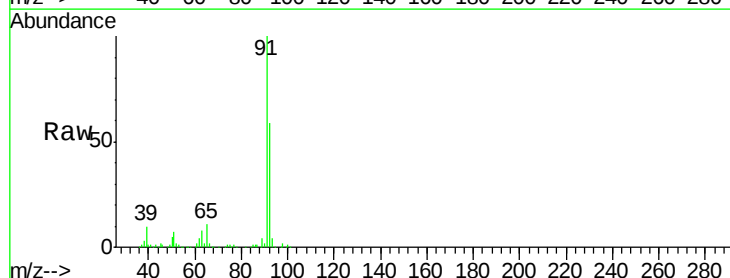
Acq: 20 Apr 2018 15:27

Tgt Ion: 92 Resp: 138867

Ion Ratio Lower Upper

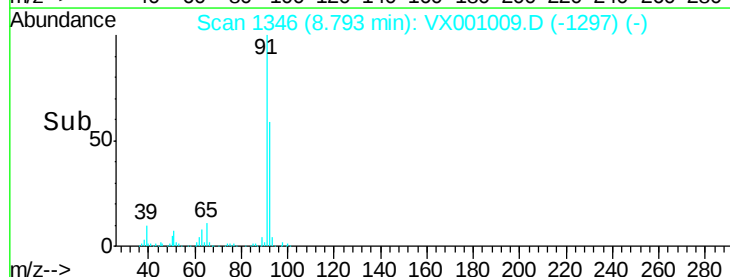
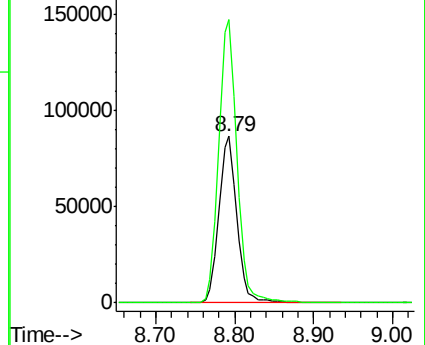
92 100

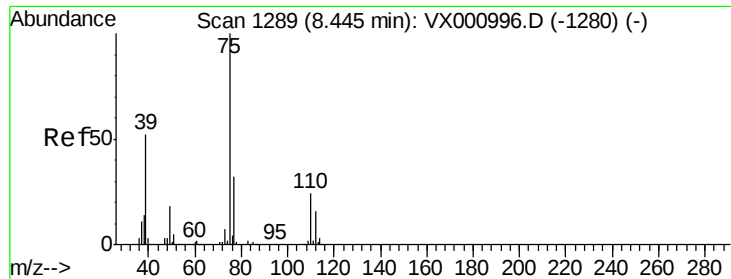
91 172.6 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

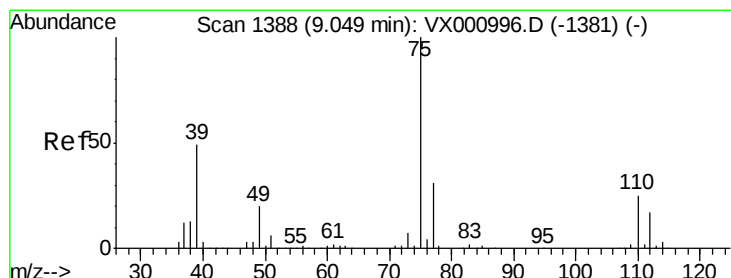
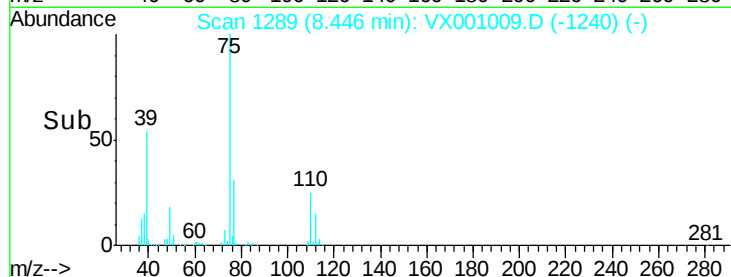
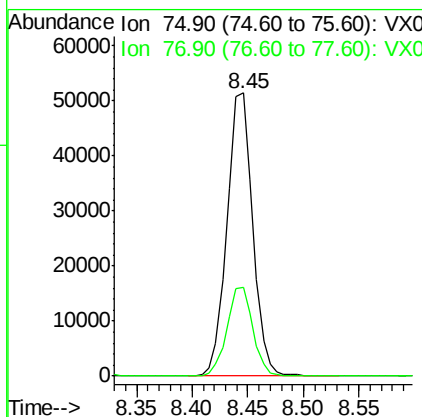
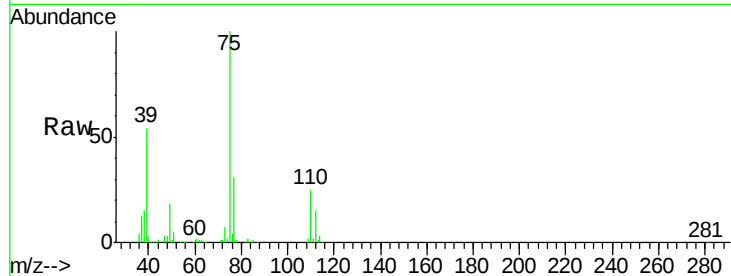




#53
t-1,3-Dichloropropene
Concen: 19.57 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

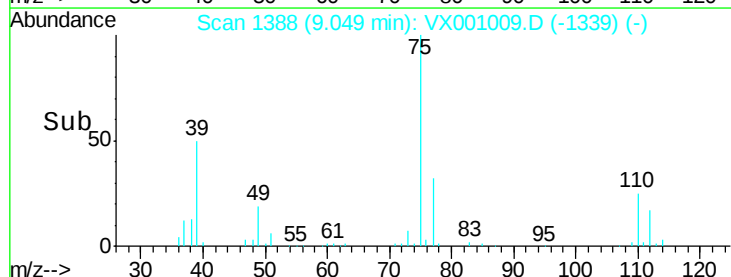
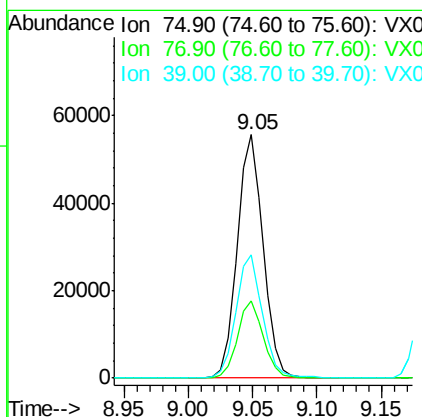
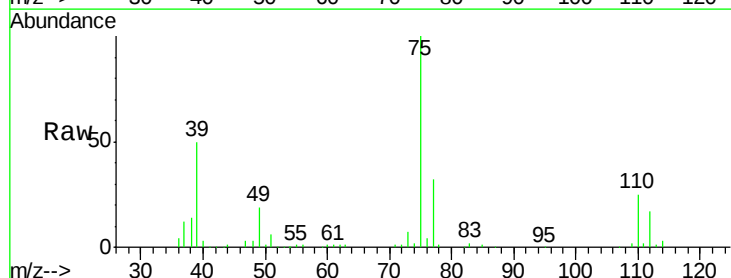
Instrument :
MSVOA_X
ClientSampleId :

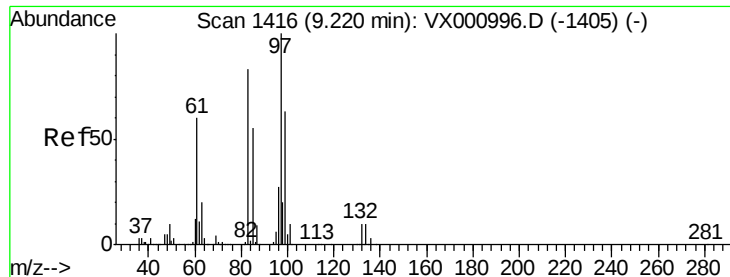
Tot Ion: 75 Resp: 82417
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 19.52 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 75 Resp: 77514
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 50.3 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.64 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 55126

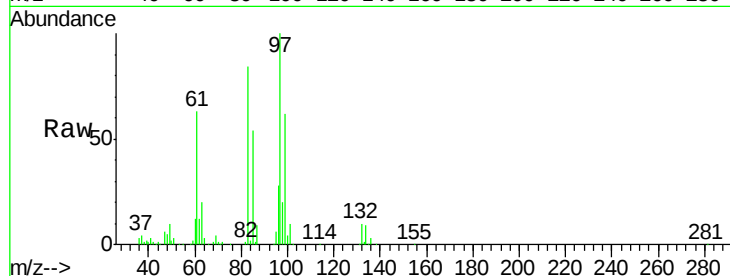
Ion Ratio Lower Upper

97 100

83 84.2 66.2 99.4

85 53.5 44.2 66.4

99 61.8 50.2 75.4

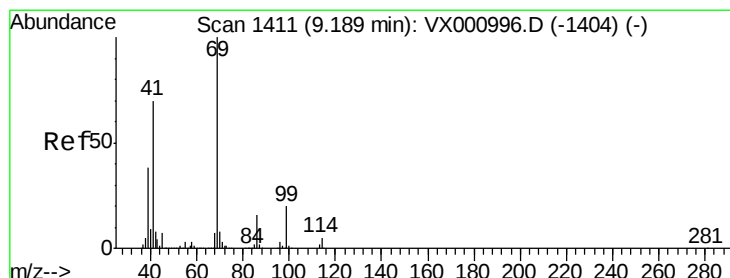
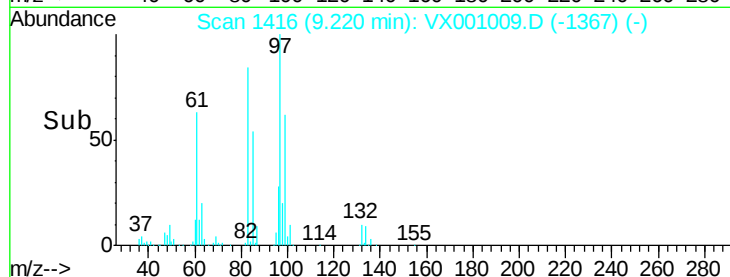
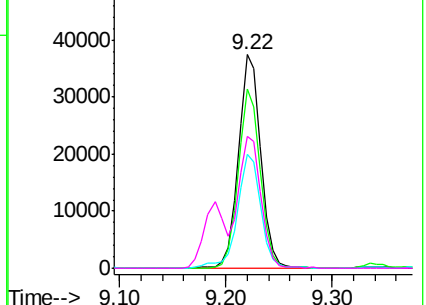


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.67 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

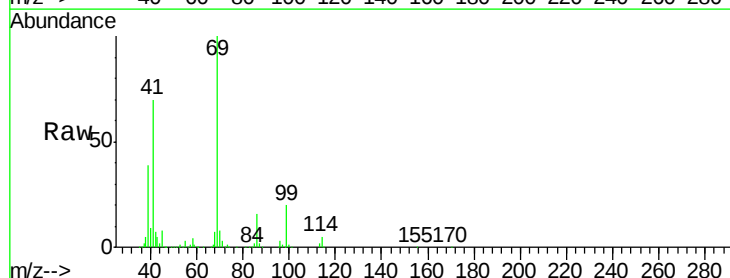
Tgt Ion: 69 Resp: 81063

Ion Ratio Lower Upper

69 100

41 72.0 56.3 84.5

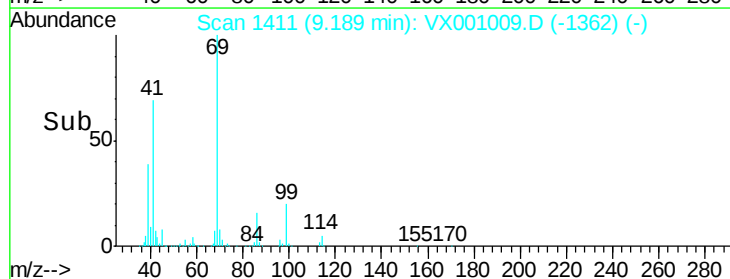
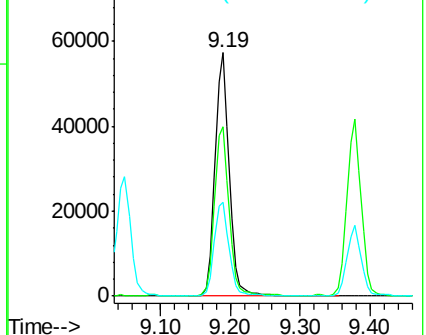
39 39.8 30.4 45.6

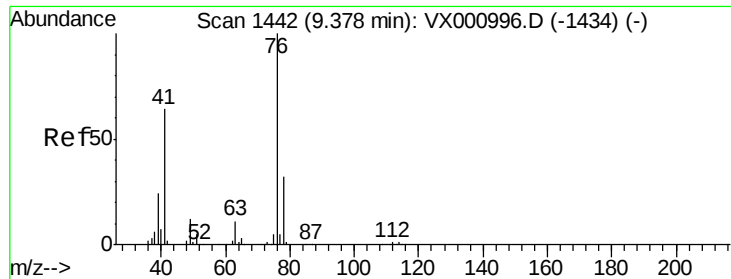


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.45 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

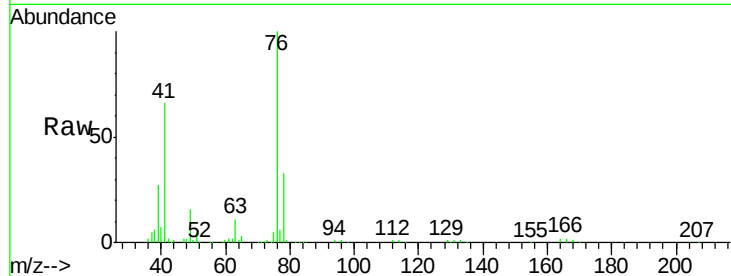
ClientSampleId :

Tot Ion: 76 Resp: 90412

Ion Ratio Lower Upper

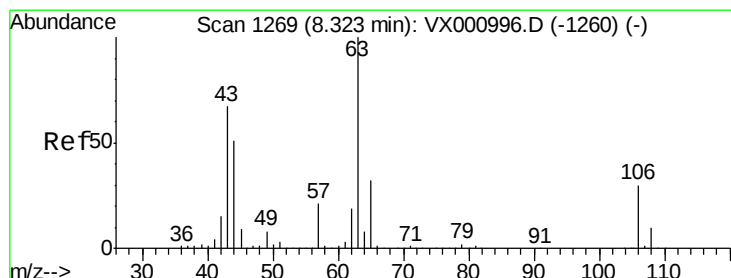
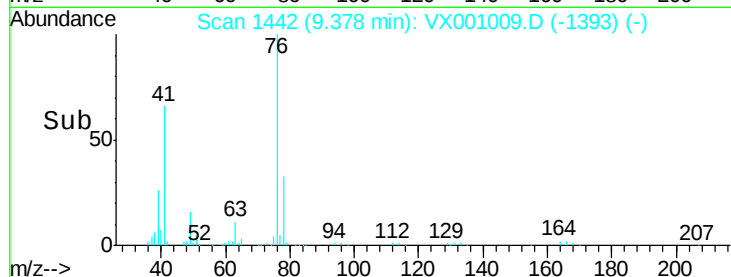
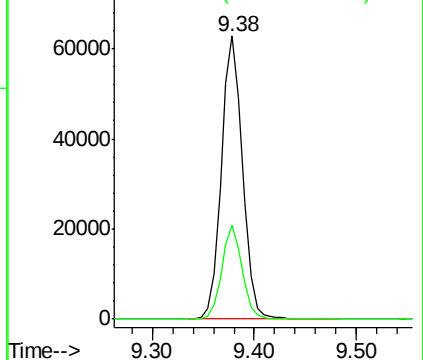
76 100

78 32.0 25.8 38.6



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: 100.57 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001009.D

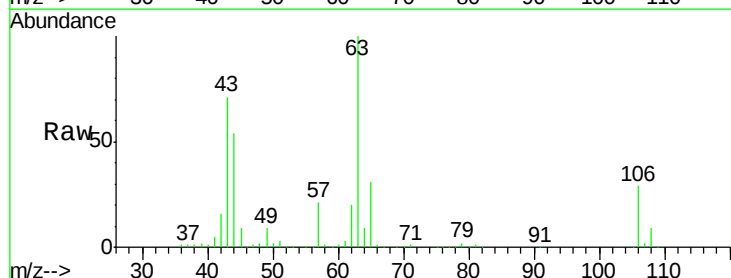
Acq: 20 Apr 2018 15:27

Tgt Ion: 63 Resp: 202314

Ion Ratio Lower Upper

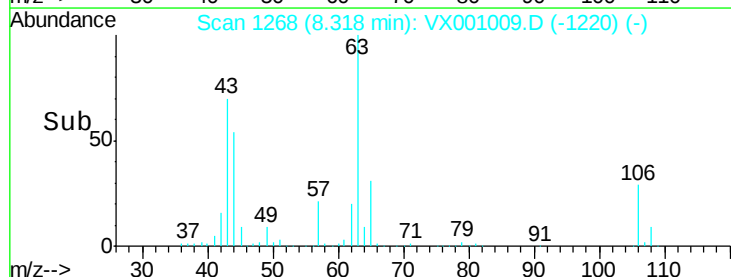
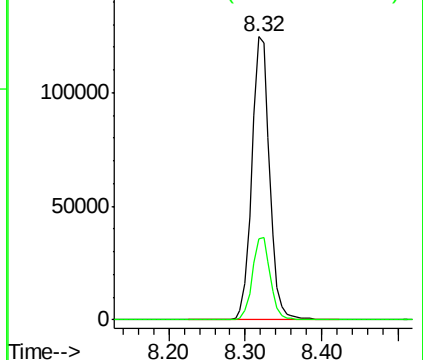
63 100

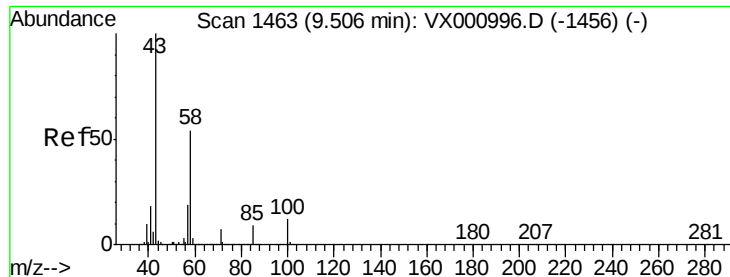
106 29.5 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

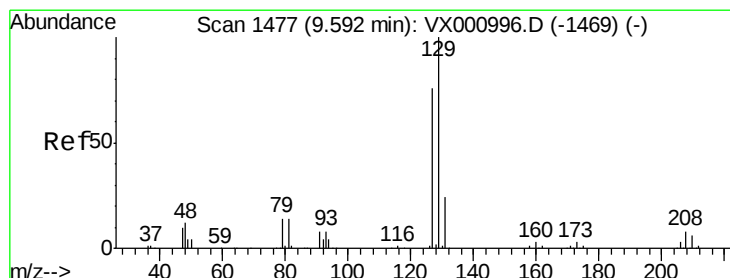
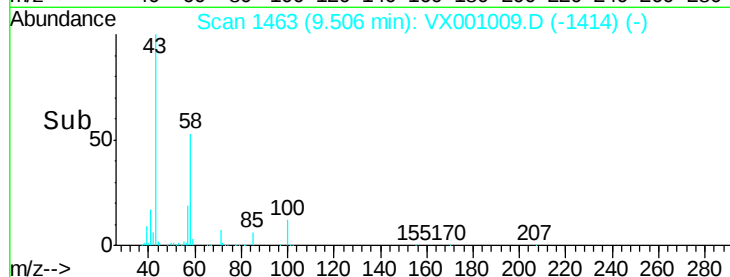
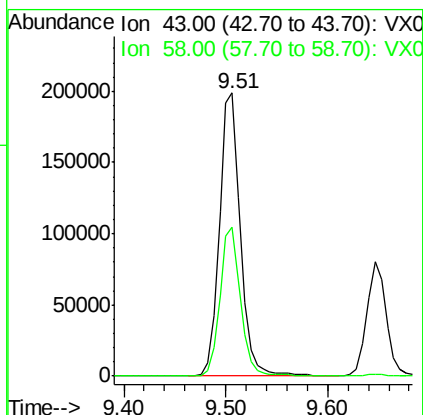
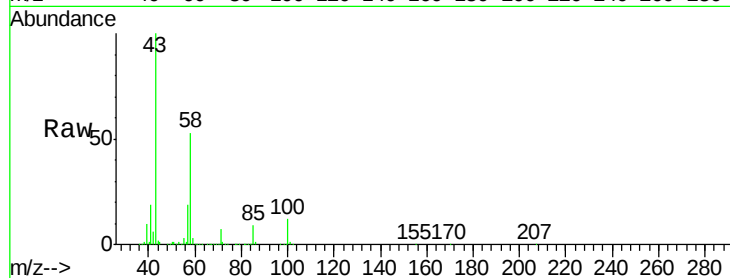




#59
2-Hexanone
Concen: 100.10 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

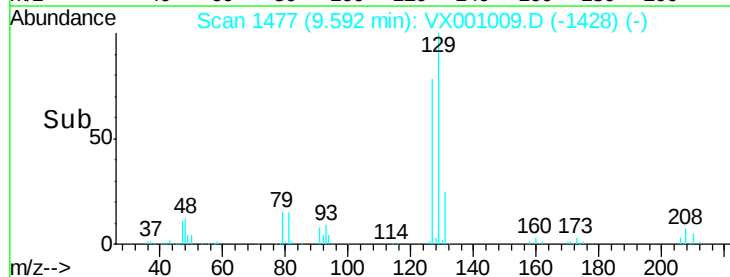
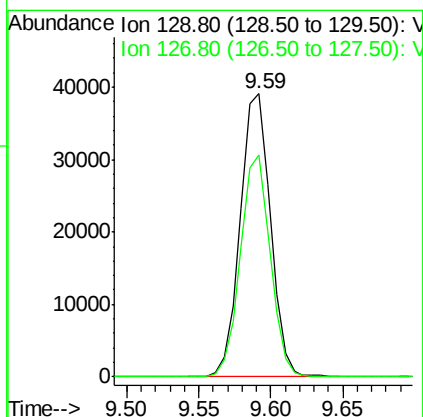
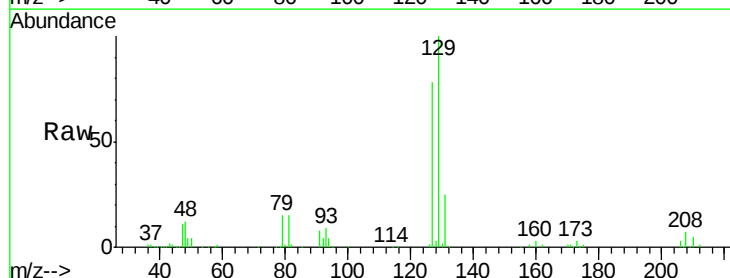
Instrument :
MSVOA_X
ClientSampleId :

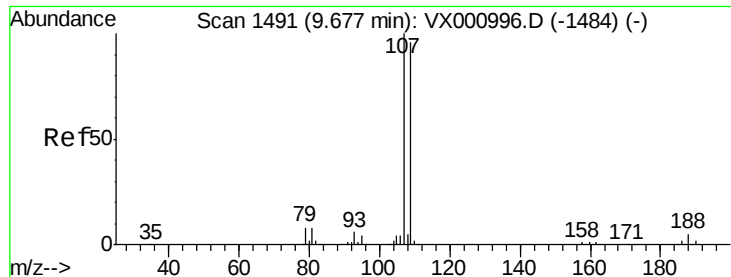
Tot Ion: 43 Resp: 284886
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9



#60
Dibromochloromethane
Concen: 19.32 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:129 Resp: 56938
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

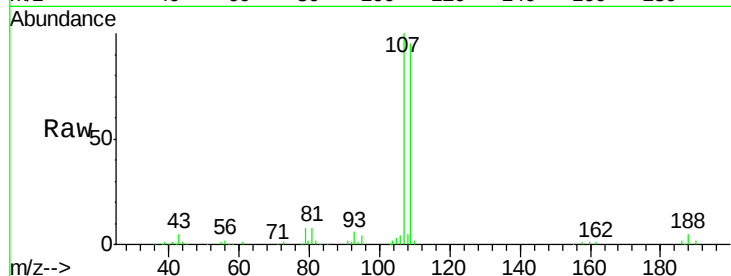
ClientSampleId :

Tot Ion:107 Resp: 58287

Ion Ratio Lower Upper

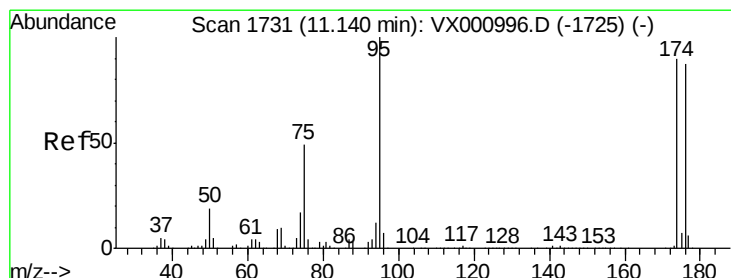
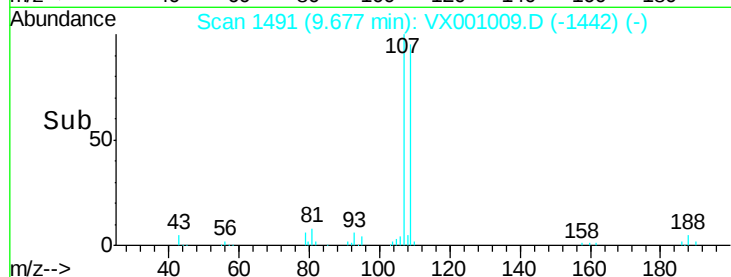
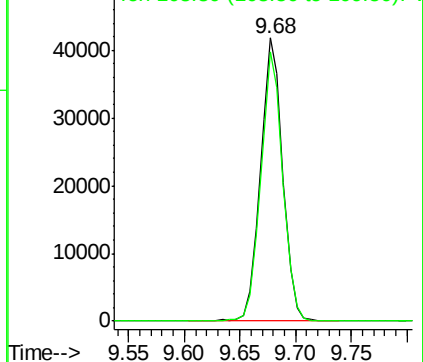
107 100

109 94.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

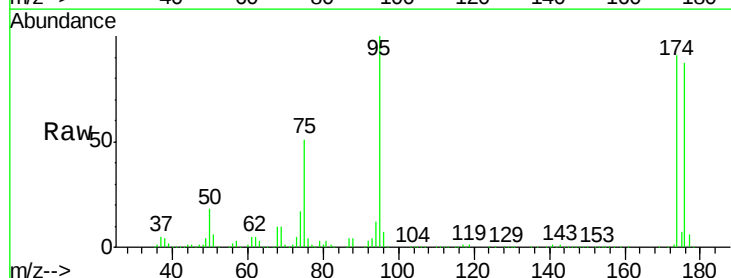
Tgt Ion: 95 Resp: 182855

Ion Ratio Lower Upper

95 100

174 98.3 0.0 198.4

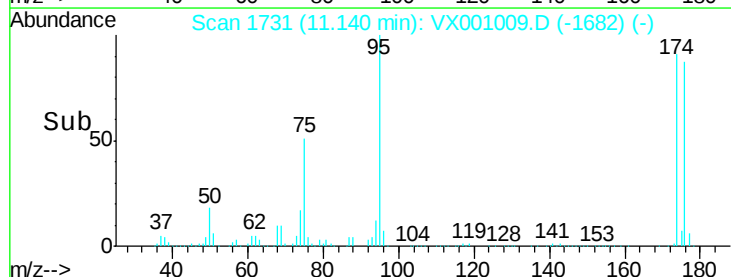
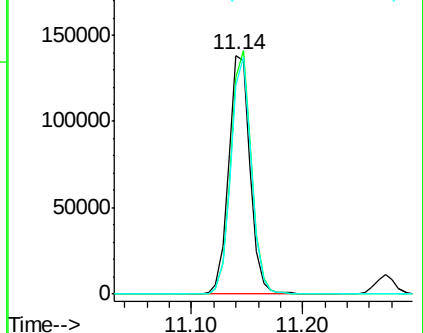
176 95.5 0.0 192.0

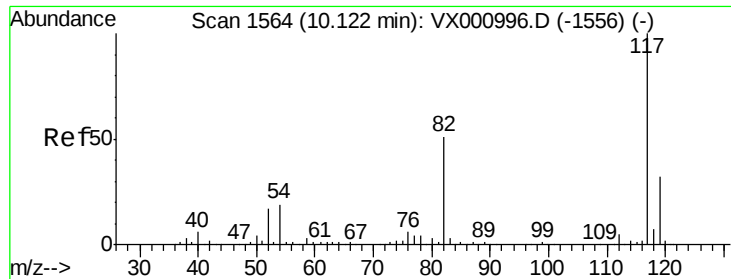


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

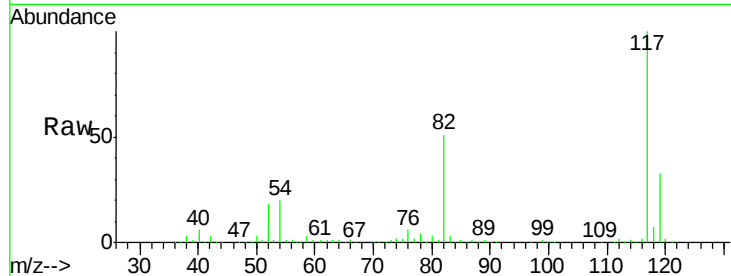




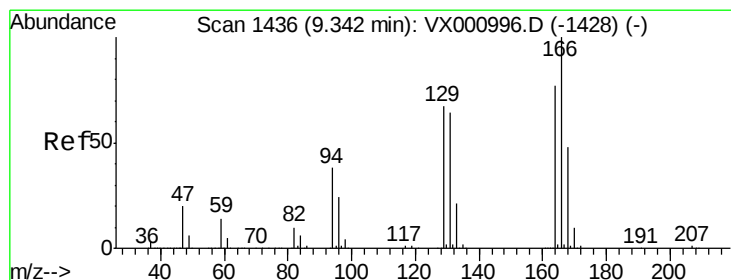
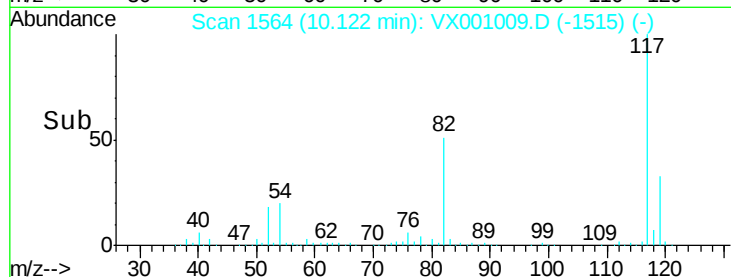
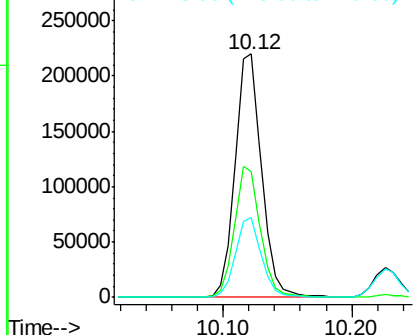
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 315628
Ion Ratio Lower Upper
117 100
82 51.4 40.6 60.8
119 32.8 26.0 39.0

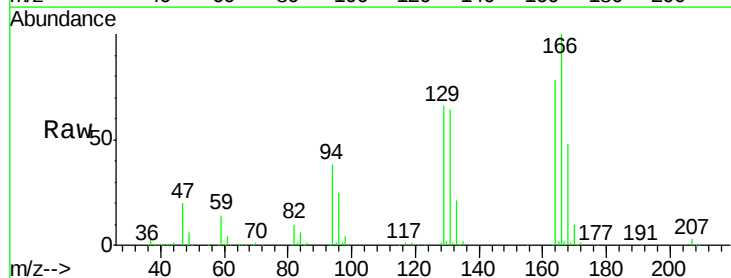


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

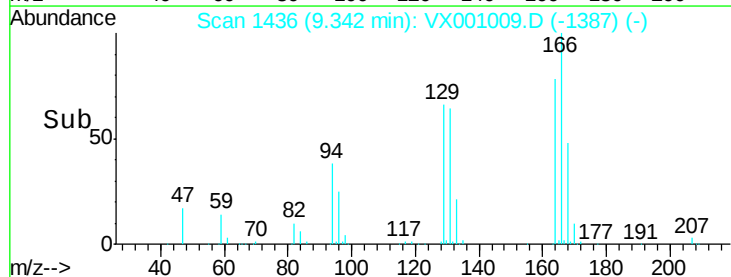
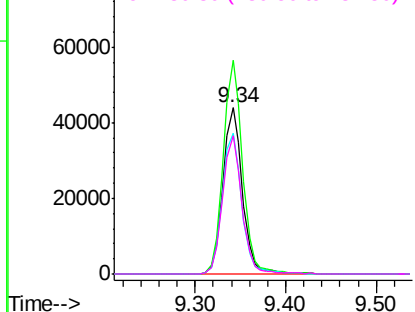


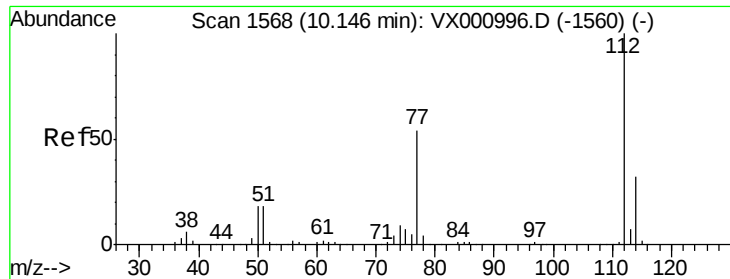
#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:164 Resp: 65701
Ion Ratio Lower Upper
164 100
166 128.4 103.5 155.3
129 84.5 69.6 104.4
131 82.7 65.8 98.8



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

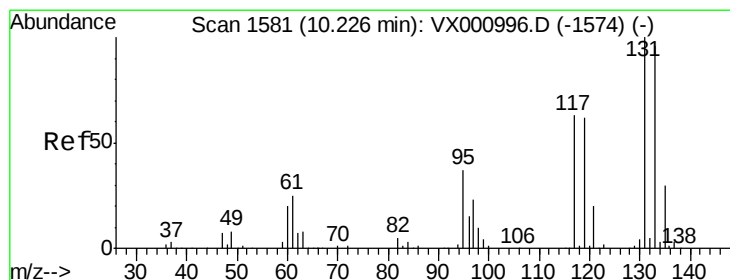
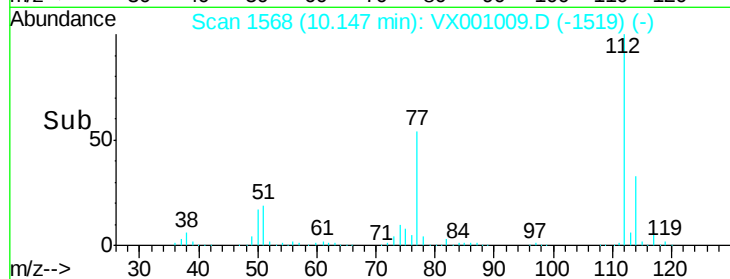
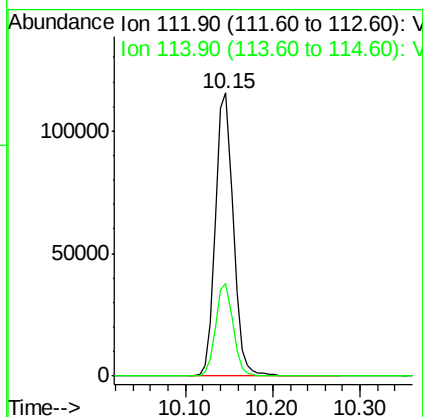
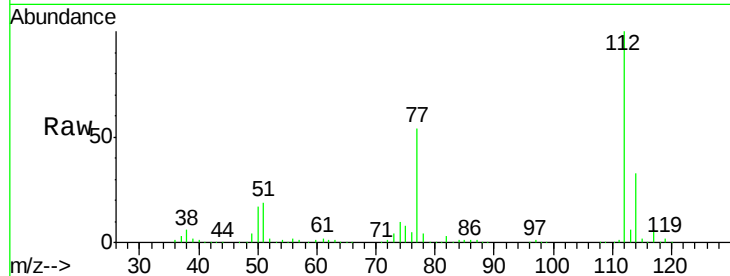




#65
Chlorobenzene
Concen: 19.44 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

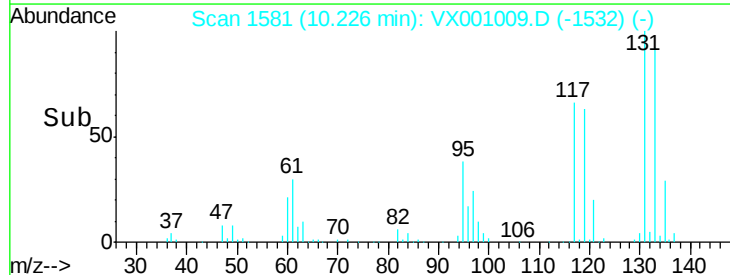
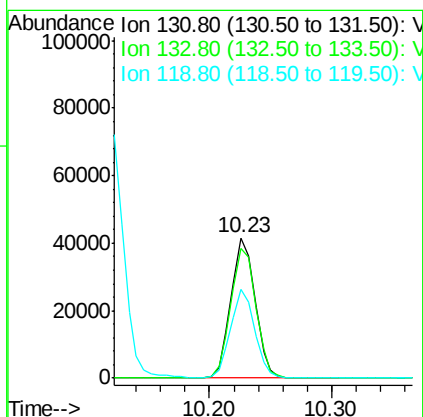
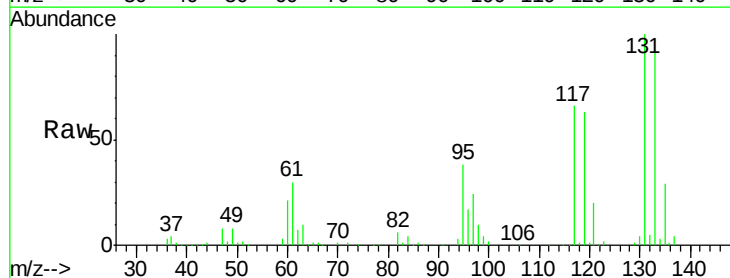
Instrument :
MSVOA_X
ClientSampled :

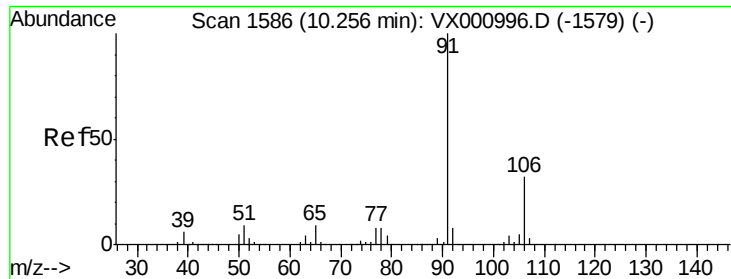
Tot Ion:112 Resp: 163351
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:131 Resp: 56894
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.8
119 62.9 31.1 93.2

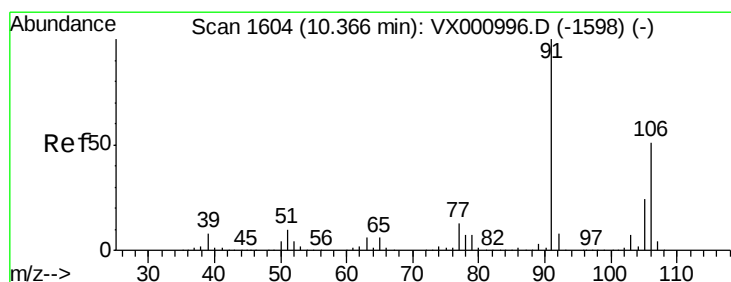
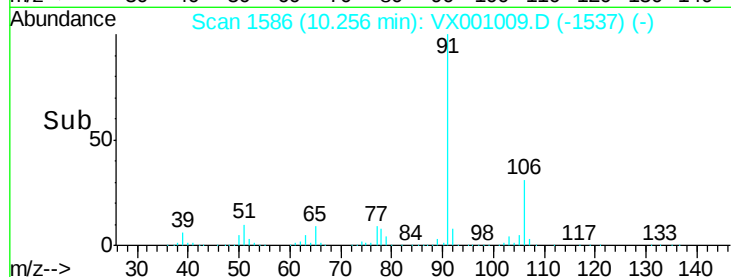
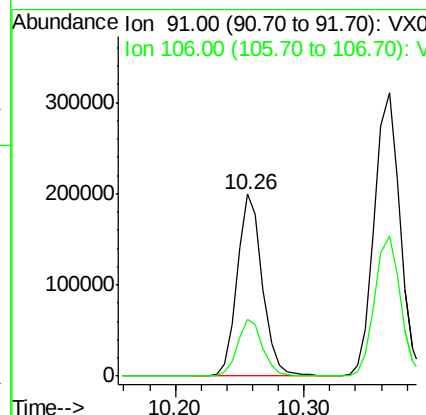
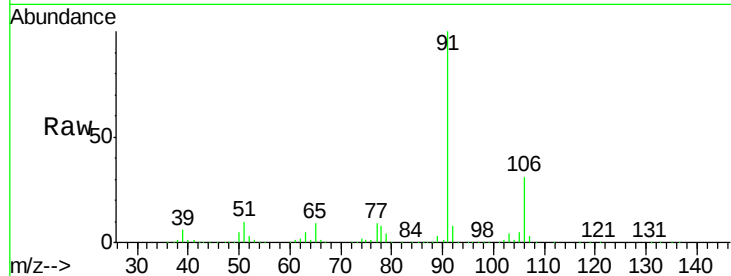




#67
Ethyl Benzene
Concen: 19.55 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

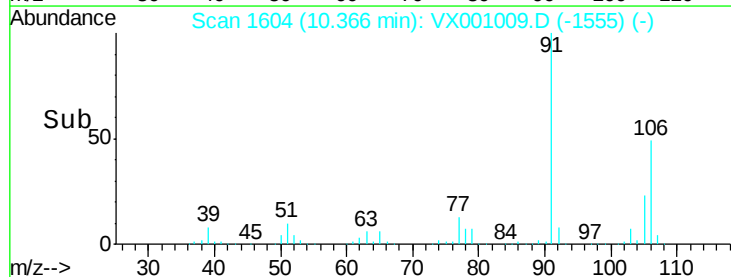
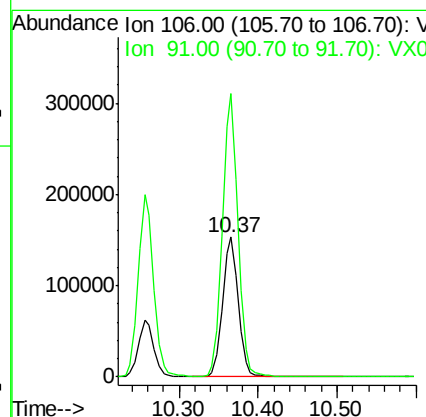
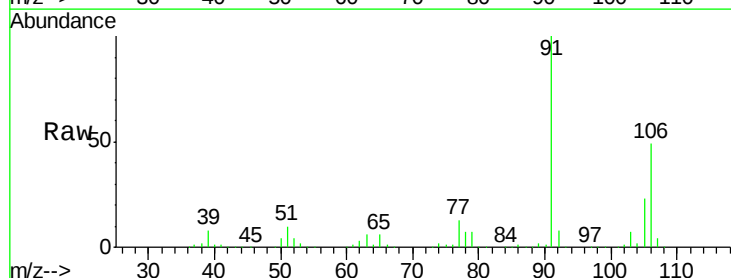
Instrument :
MSVOA_X
ClientSampleId :

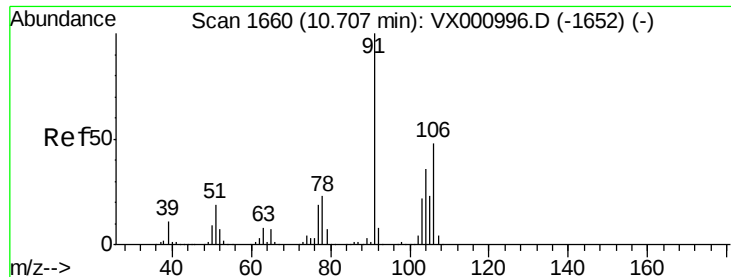
Tot Ion: 91 Resp: 272864
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5



#68
m/p-Xylenes
Concen: 38.74 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 106 Resp: 213101
Ion Ratio Lower Upper
106 100
91 199.8 159.3 238.9

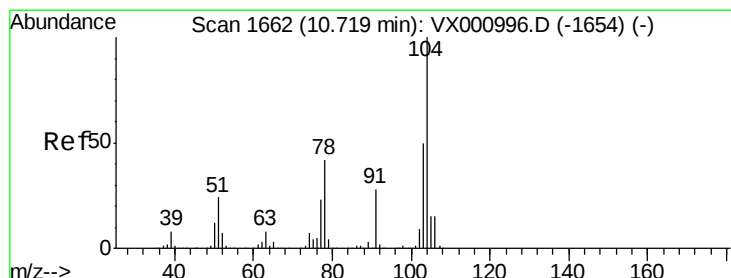
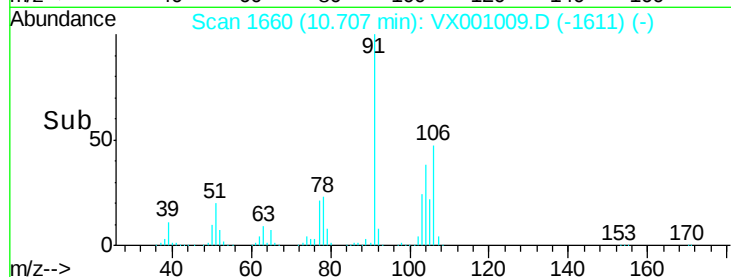
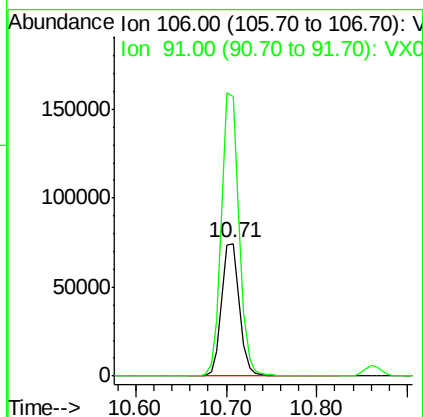
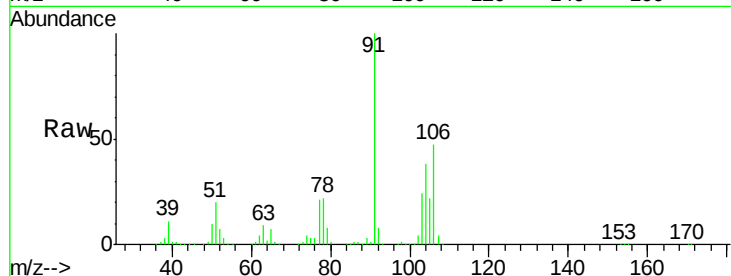




#69
o-Xylene
Concen: 19.41 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

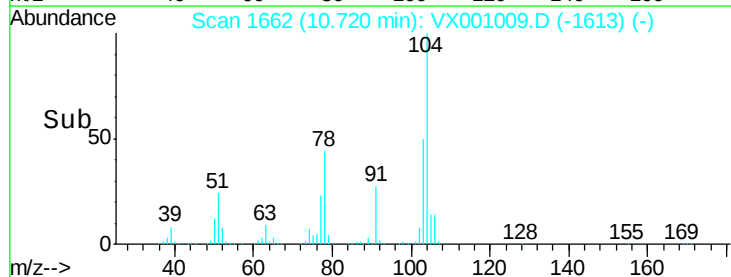
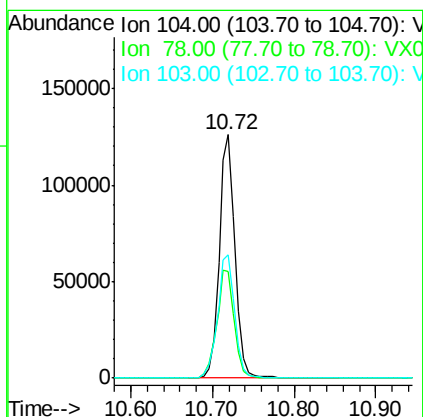
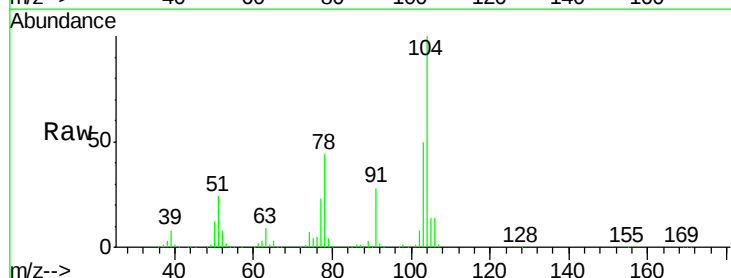
Instrument :
MSVOA_X
ClientSampleId :

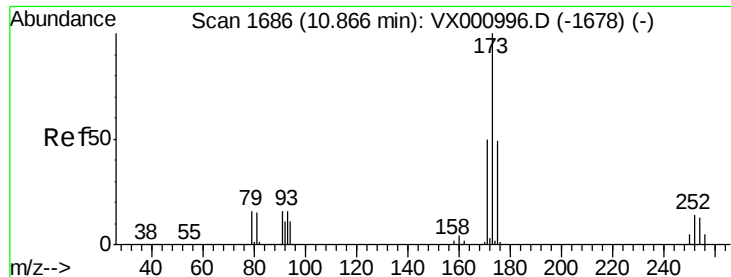
Tot Ion:106 Resp: 102958
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.1



#70
Styrene
Concen: 19.39 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:104 Resp: 169358
Ion Ratio Lower Upper
104 100
78 50.0 39.4 59.2
103 56.0 44.2 66.2

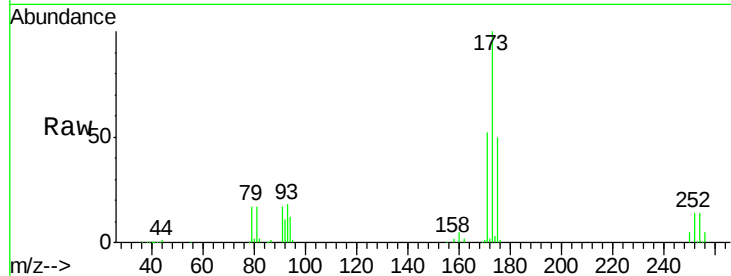




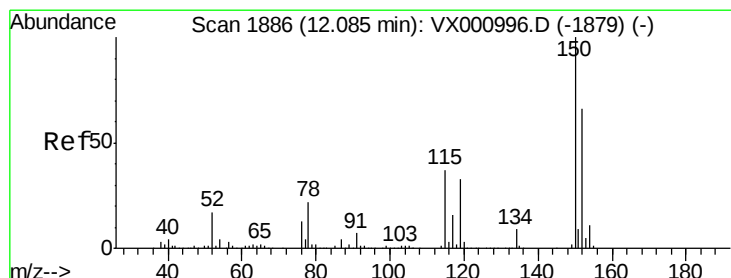
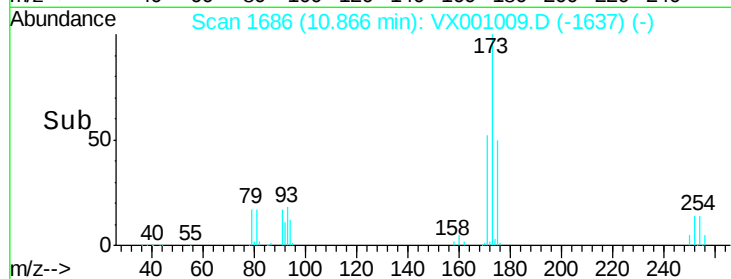
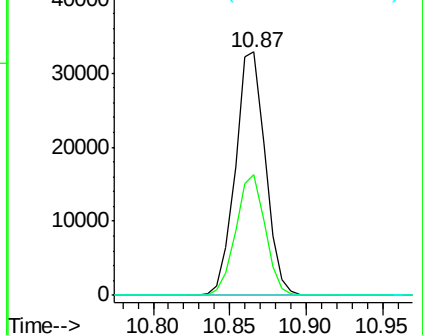
#71
Bromoform
Concen: 18.41 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 44563
Ion Ratio Lower Upper
173 100
175 48.5 24.8 74.3
254 0.1 0.2 0.2#

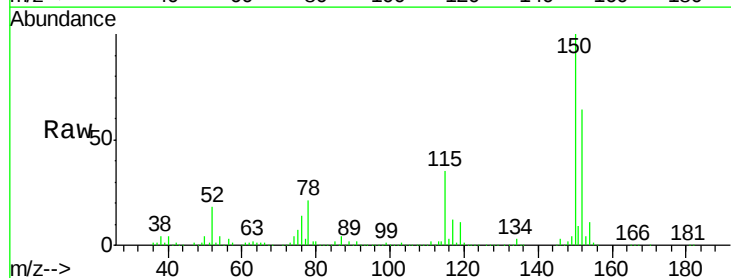


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

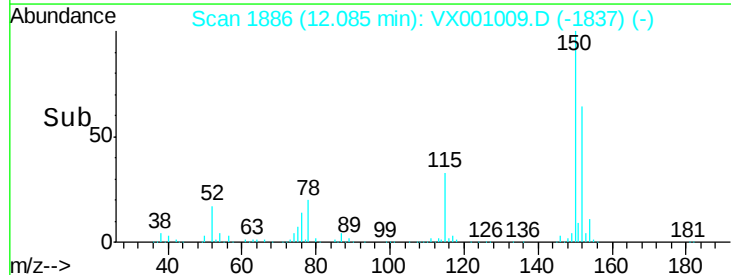
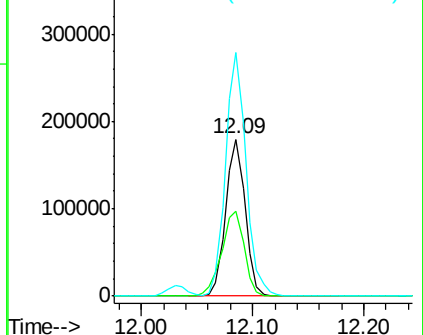


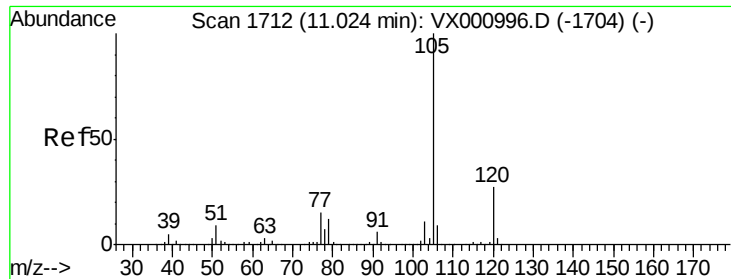
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:152 Resp: 217216
Ion Ratio Lower Upper
152 100
115 61.9 38.2 114.6
150 163.2 0.0 350.4



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: 19.70 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

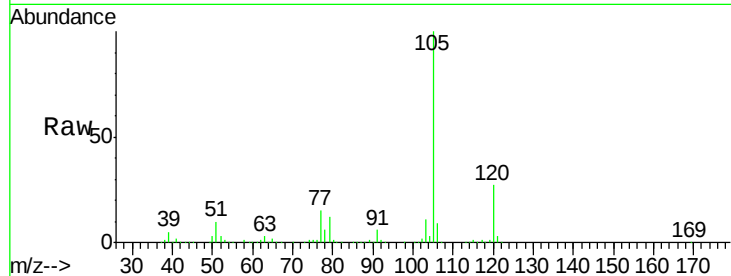
ClientSampled :

Tot Ion:105 Resp: 279814

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

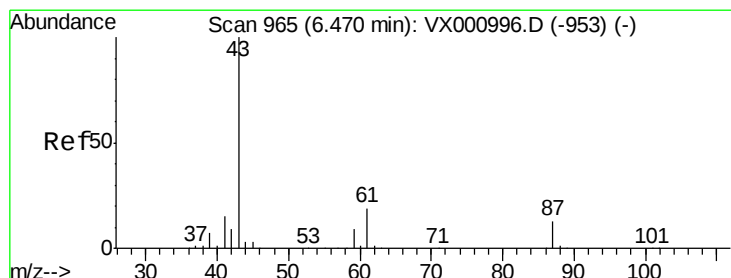
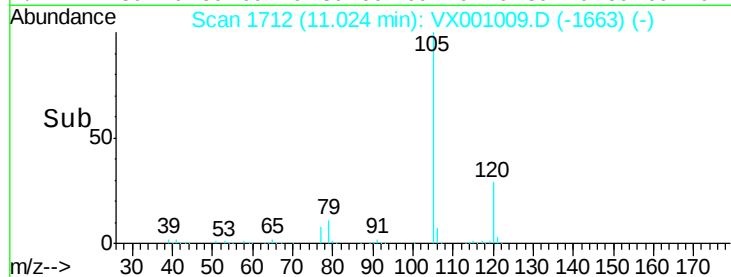
50000

0

11.02

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 19.63 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion: 43 Resp: 119222

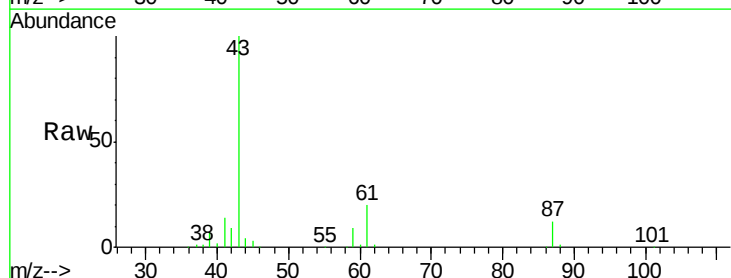
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.1 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

40000

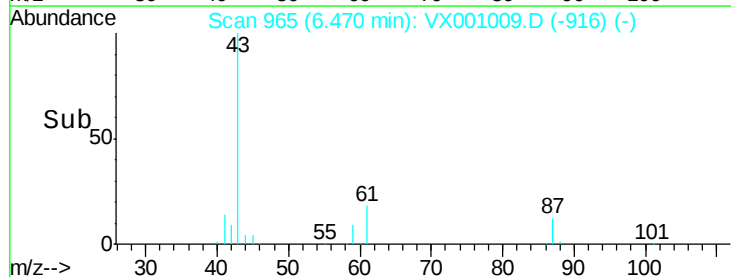
20000

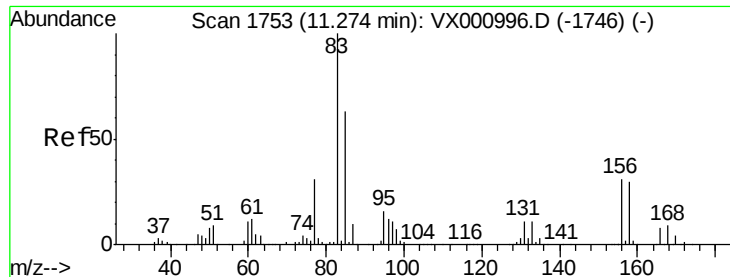
0

6.47

6.30 6.40 6.50 6.60 6.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.64 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

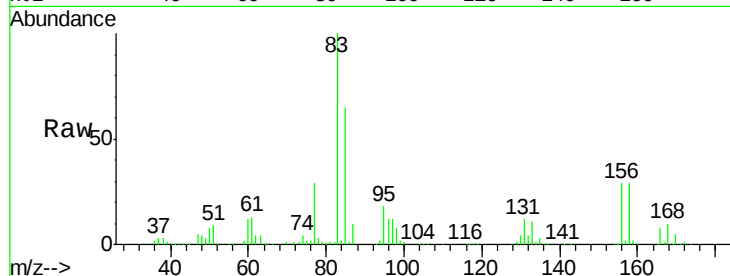
Tot Ion: 83 Resp: 78943

Ion Ratio Lower Upper

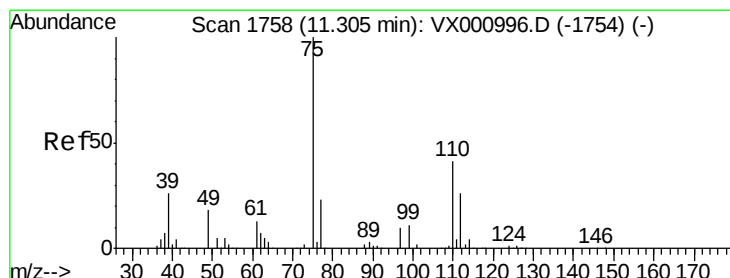
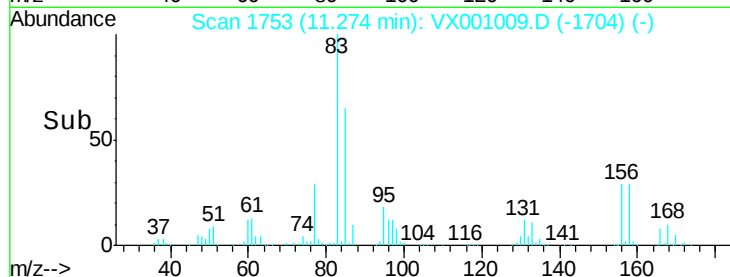
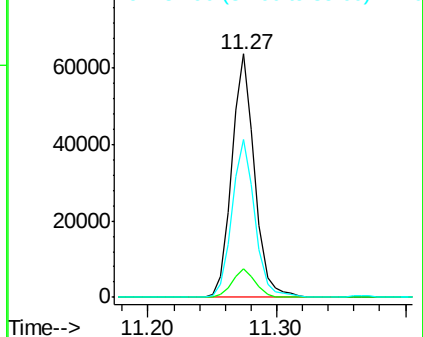
83 100

131 12.1 5.8 17.4

85 65.1 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 23.45 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001009.D

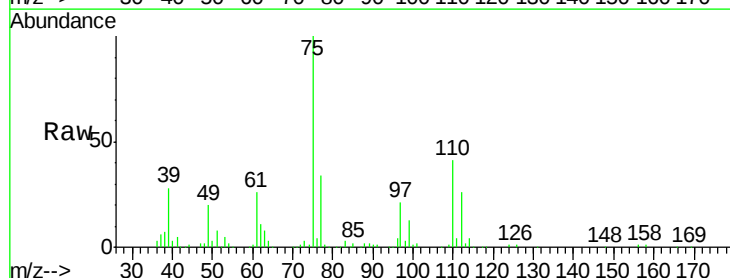
Acq: 20 Apr 2018 15:27

Tgt Ion: 75 Resp: 88373

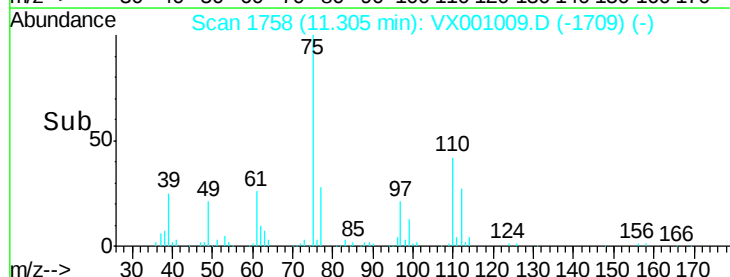
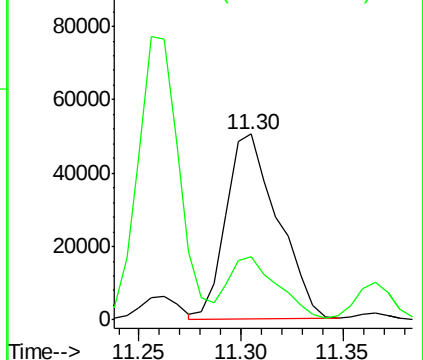
Ion Ratio Lower Upper

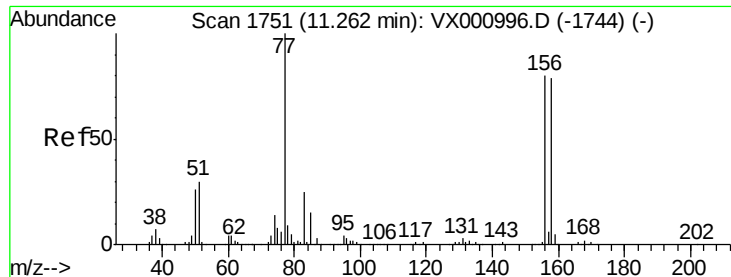
75 100

77 32.3 19.6 58.7



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





#77

Bromobenzene

Concen: 19.42 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

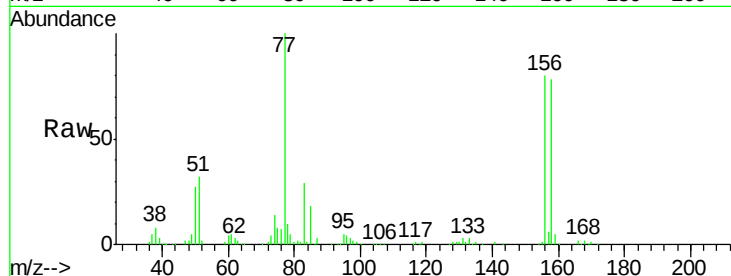
Tot Ion:156 Resp: 80058

Ion Ratio Lower Upper

156 100

77 135.2 66.3 199.0

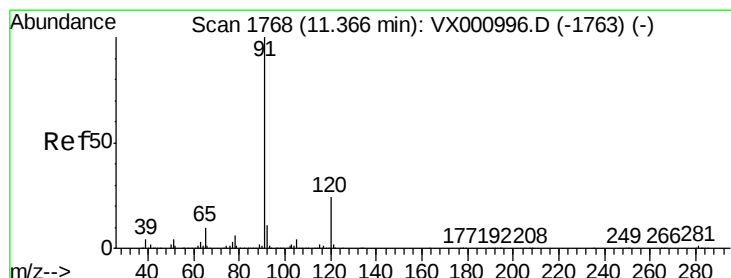
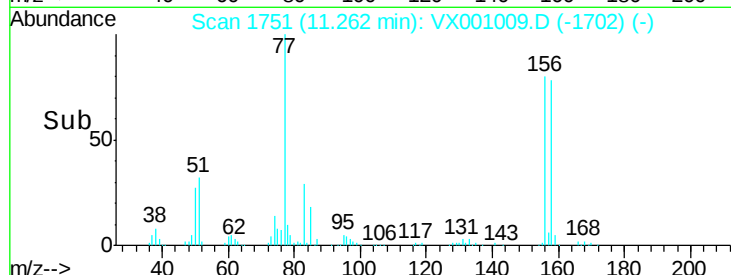
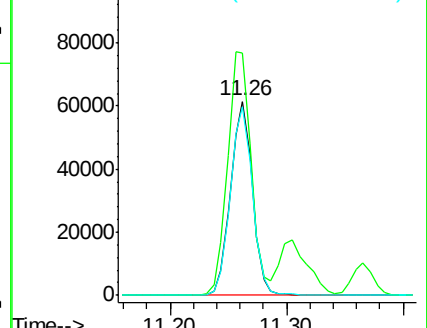
158 98.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.54 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001009.D

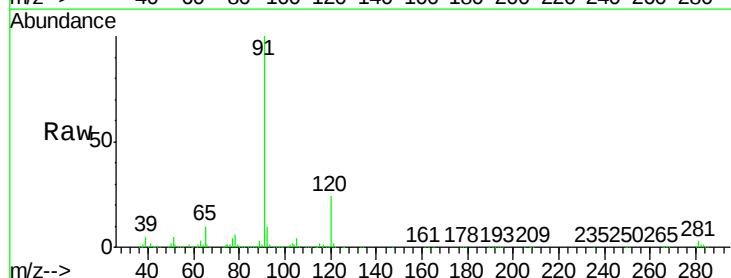
Acq: 20 Apr 2018 15:27

Tgt Ion: 91 Resp: 318547

Ion Ratio Lower Upper

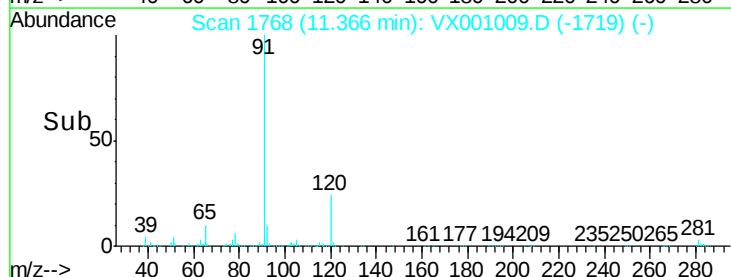
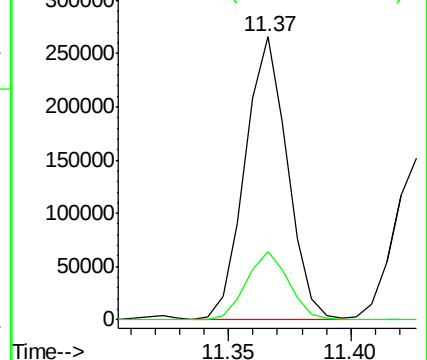
91 100

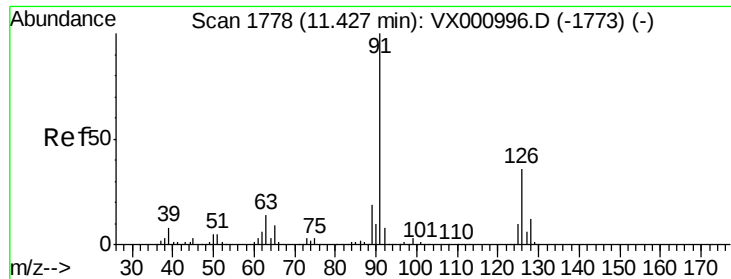
120 24.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

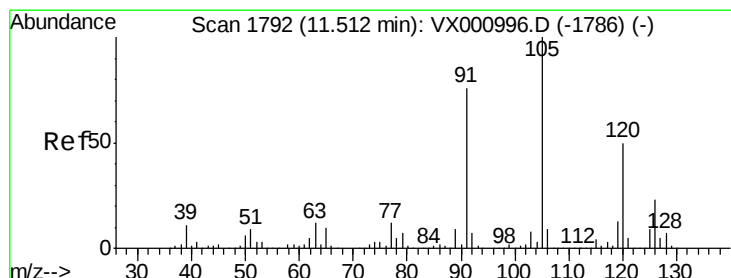
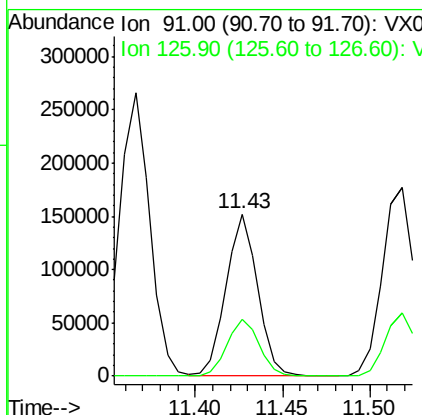
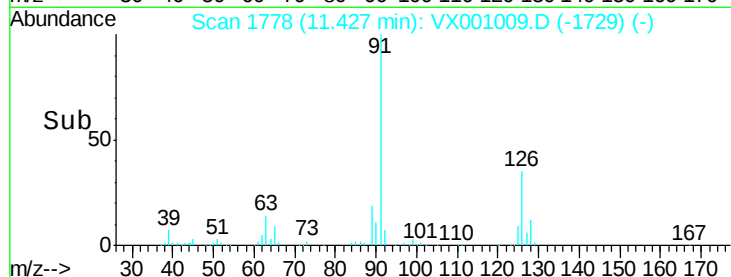
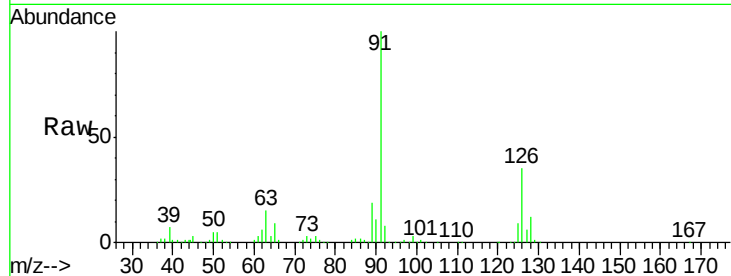




#79
 2-Chlorotoluene
 Concen: 19.60 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

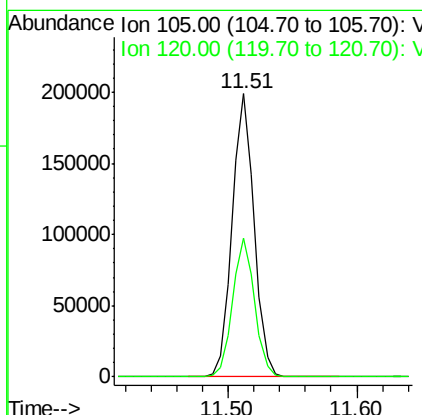
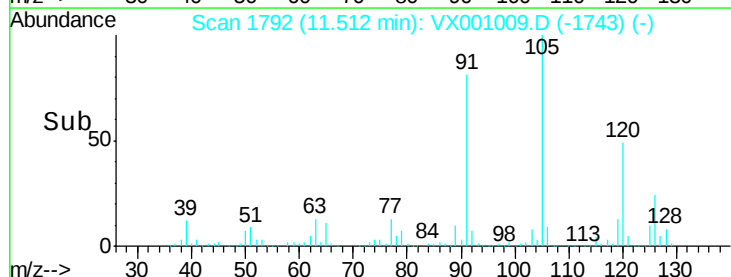
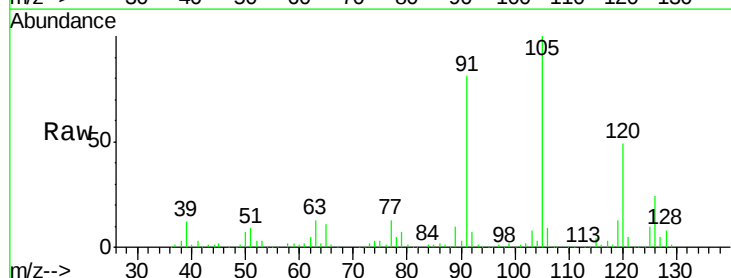
Instrument :
 MSVOA_X
 ClientSampleId :

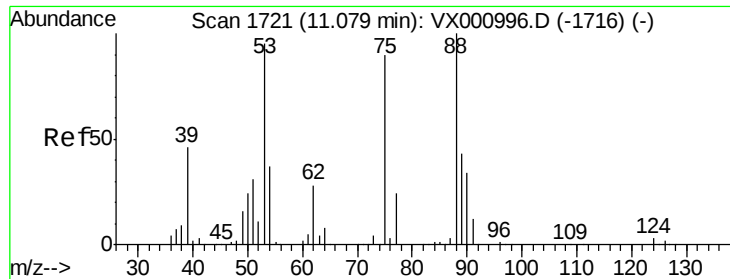
Tot Ion: 91 Resp: 188767
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.3 54.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.76 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion: 105 Resp: 237889
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.77 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

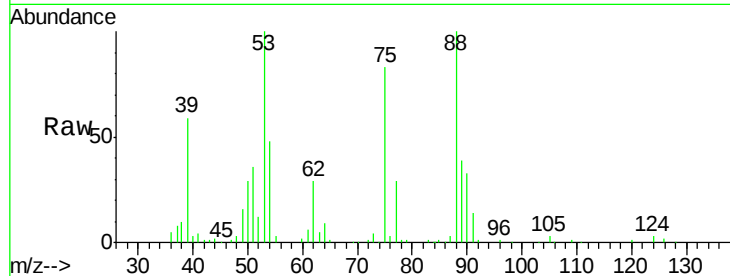
Tot Ion: 75 Resp: 19079

Ion Ratio Lower Upper

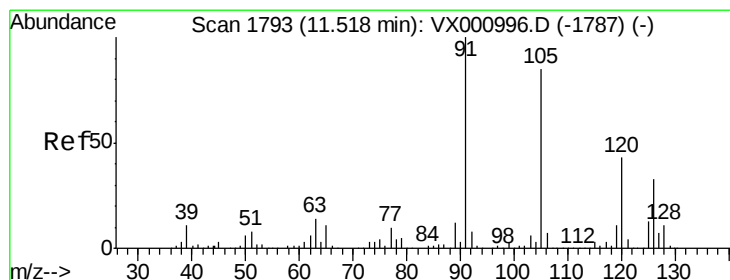
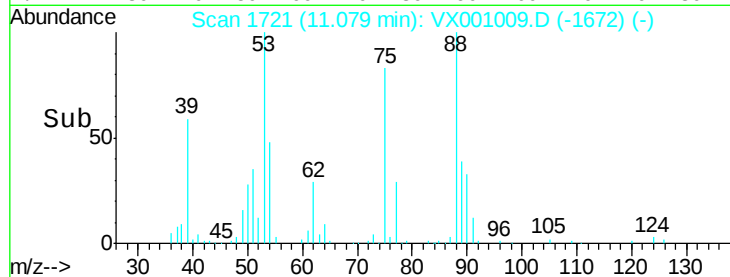
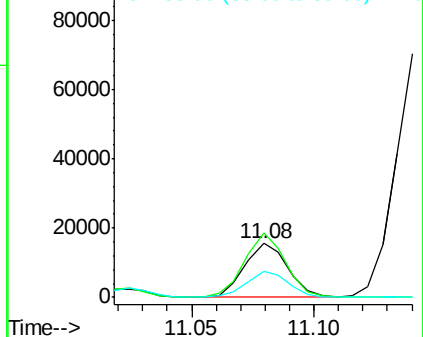
75 100

53 115.0 83.4 125.2

89 47.5 39.7 59.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.44 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001009.D

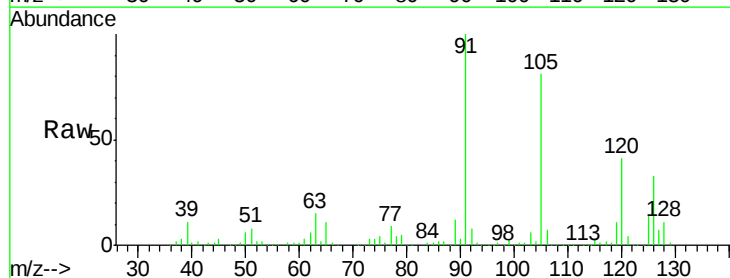
Acq: 20 Apr 2018 15:27

Tgt Ion: 91 Resp: 226297

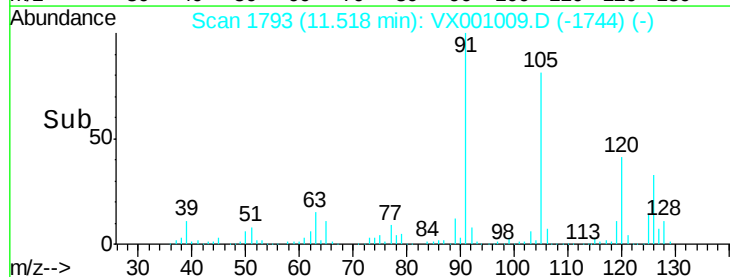
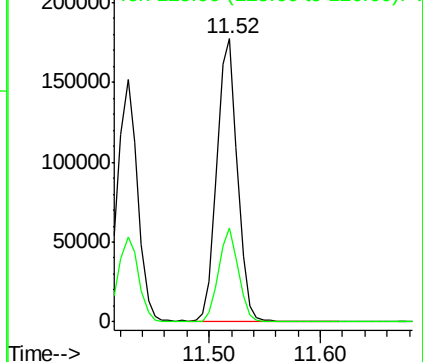
Ion Ratio Lower Upper

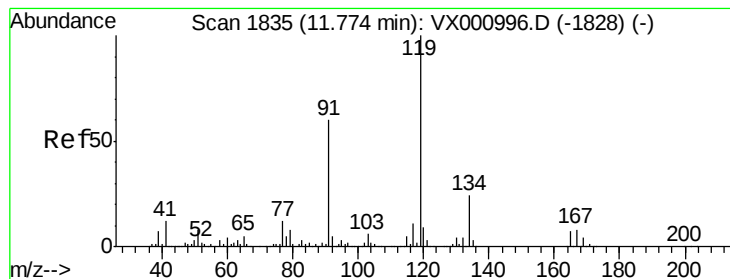
91 100

126 31.8 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.66 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

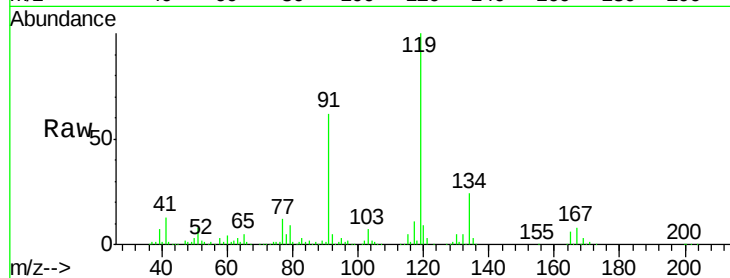
Tot Ion:119 Resp: 238740

Ion Ratio Lower Upper

119 100

91 56.4 27.0 81.0

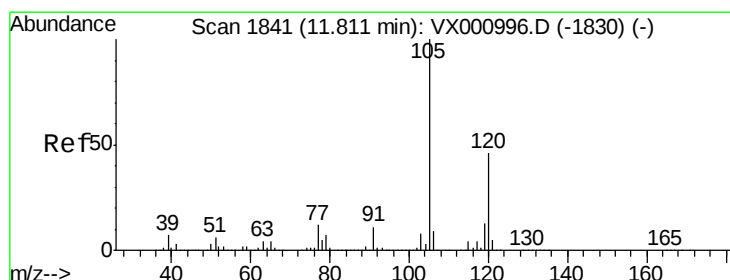
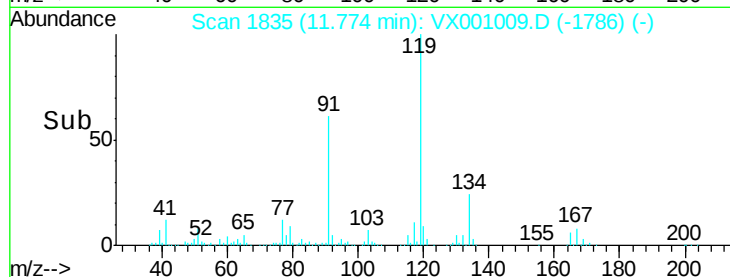
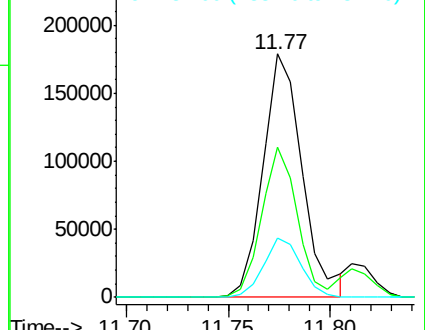
134 23.5 11.6 34.7



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: 19.74 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001009.D

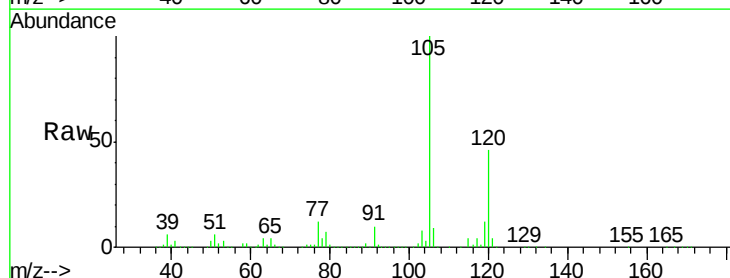
Acq: 20 Apr 2018 15:27

Tgt Ion:105 Resp: 244572

Ion Ratio Lower Upper

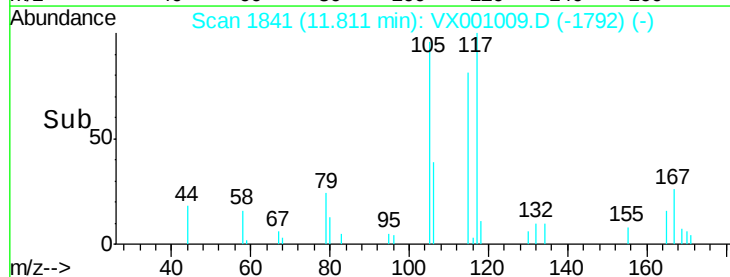
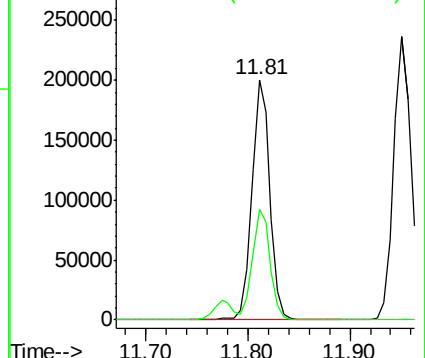
105 100

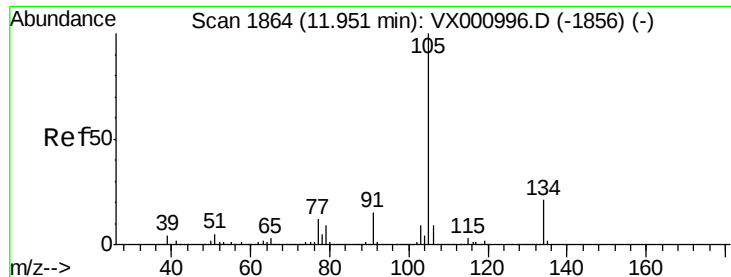
120 45.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.64 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

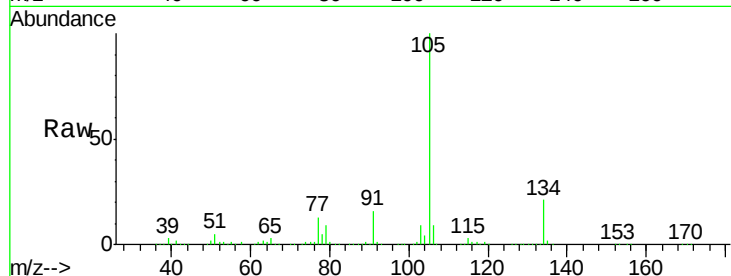
ClientSampleId :

Tot Ion:105 Resp: 284626

Ion Ratio Lower Upper

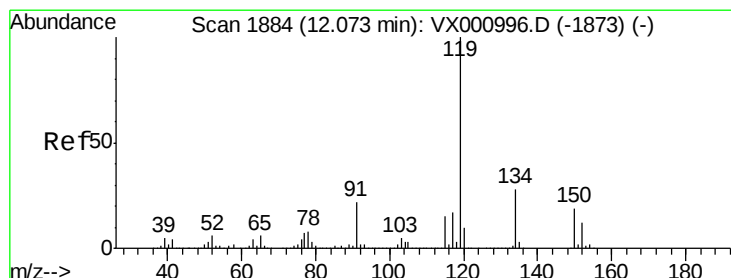
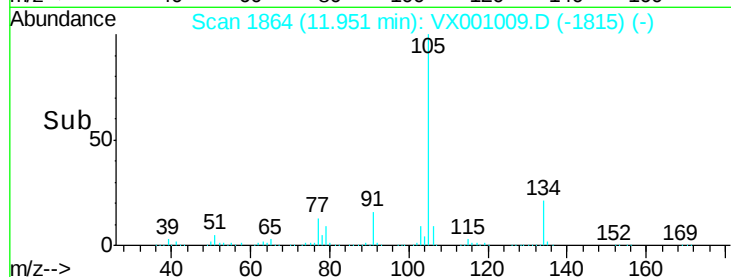
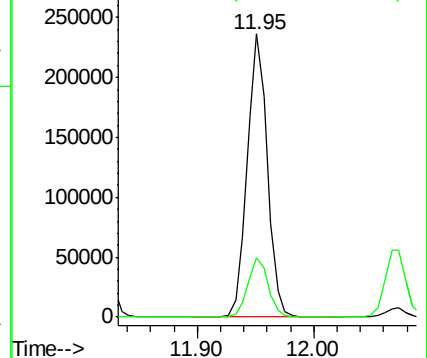
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.64 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

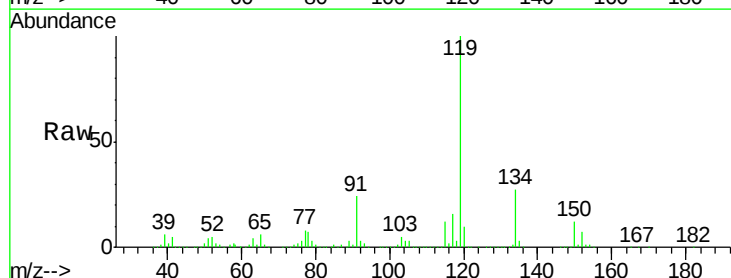
Tgt Ion:119 Resp: 263320

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

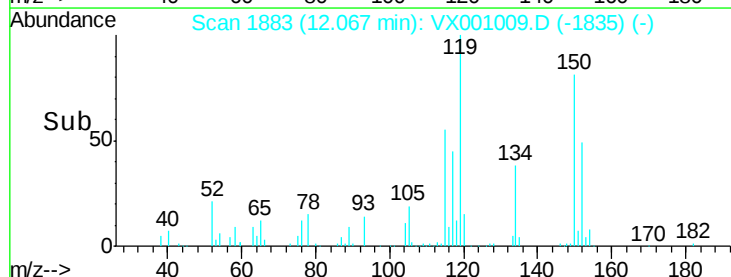
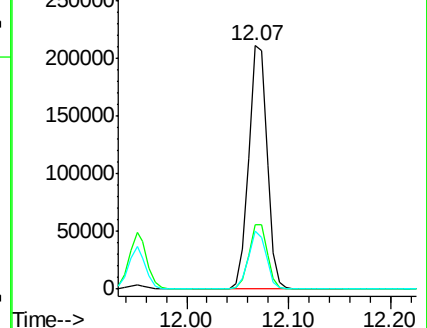
91 23.1 11.4 34.1

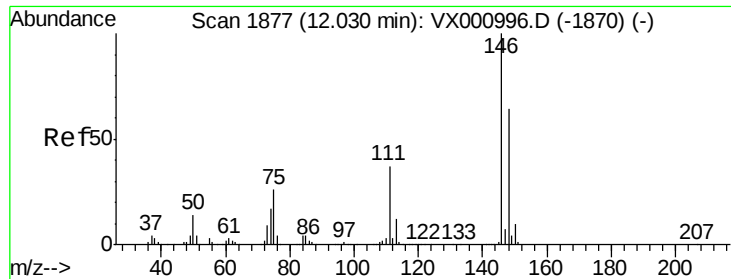


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.28 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

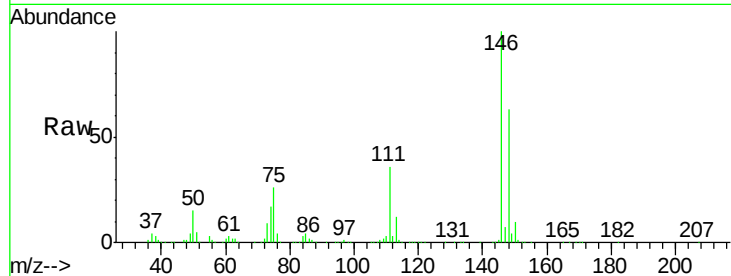
Tot Ion:146 Resp: 148777

Ion Ratio Lower Upper

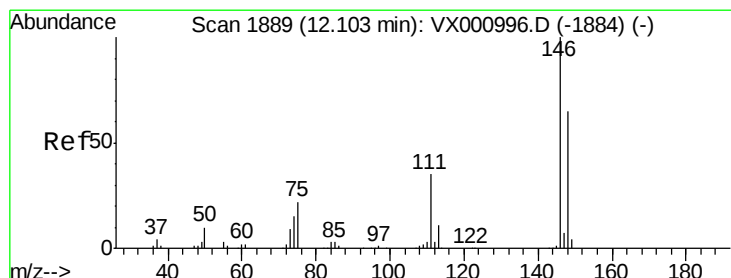
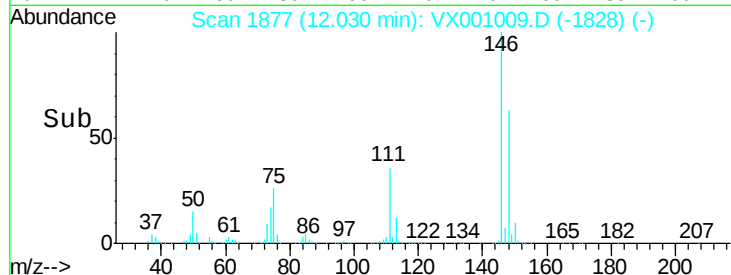
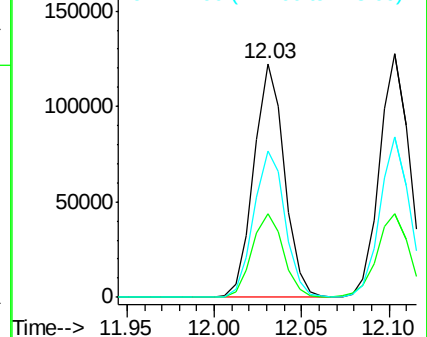
146 100

111 36.8 18.3 54.8

148 63.9 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.22 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

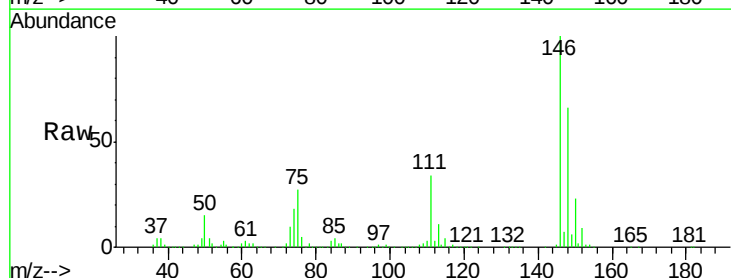
Tgt Ion:146 Resp: 152239

Ion Ratio Lower Upper

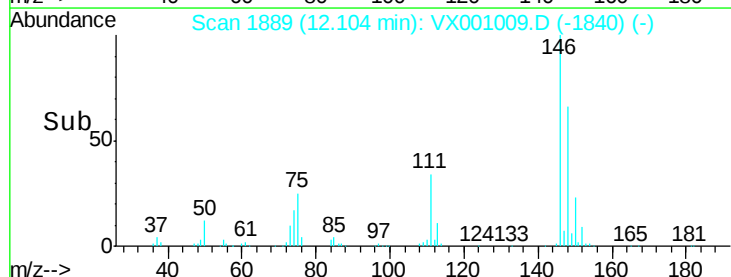
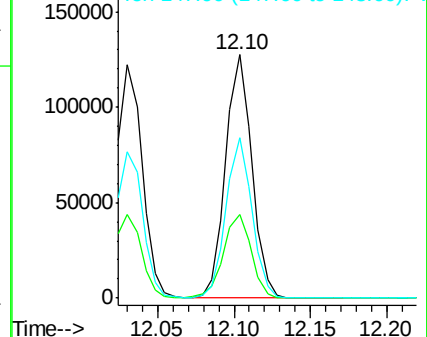
146 100

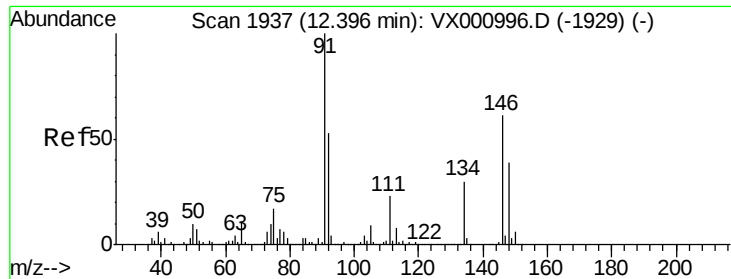
111 36.6 18.0 54.0

148 65.3 32.4 97.0



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

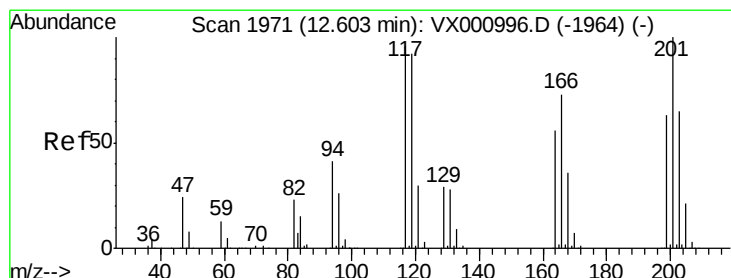
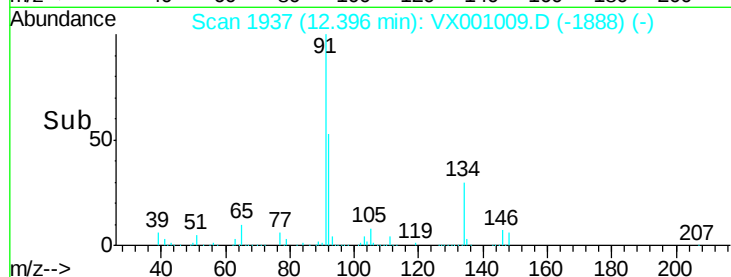
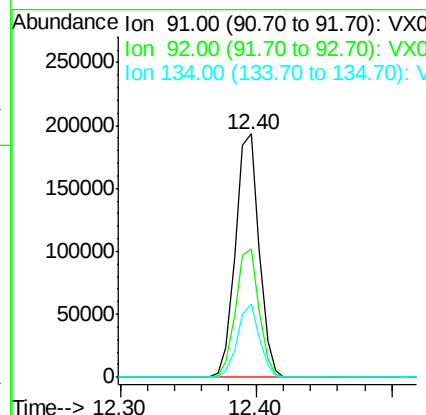
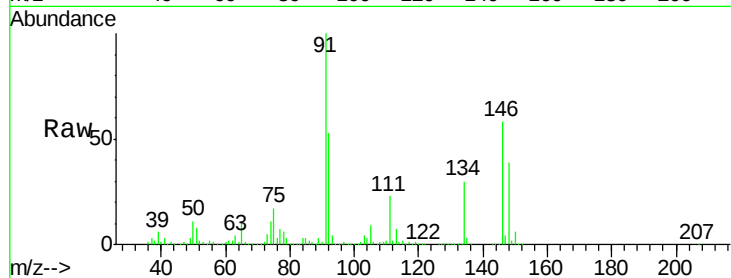




#89
n-Butylbenzene
Concen: 19.56 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

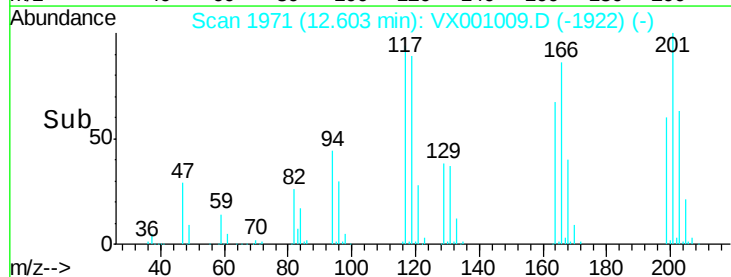
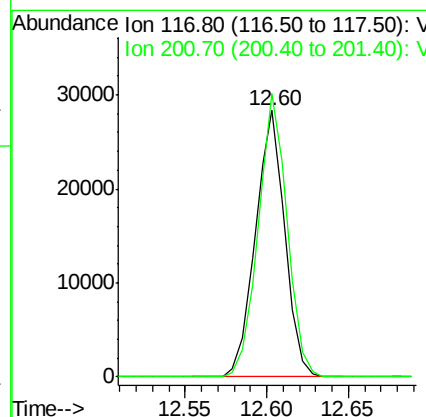
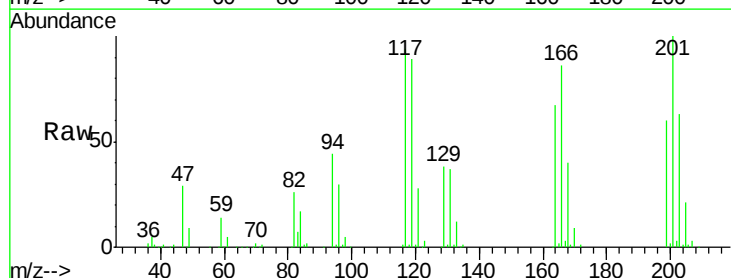
Instrument :
MSVOA_X
ClientSampleId :

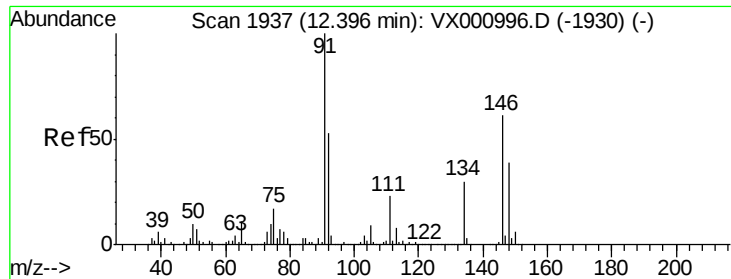
Tot Ion: 91 Resp: 233396
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 28.2 14.4 43.0



#90
Hexachloroethane
Concen: 18.64 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 117 Resp: 35426
Ion Ratio Lower Upper
117 100
201 104.2 52.3 157.1





#91

1,2-Dichlorobenzene

Concen: 19.34 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

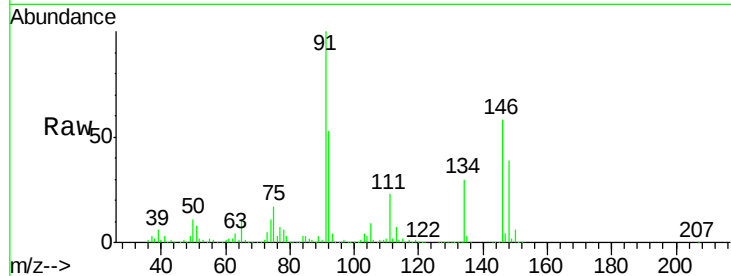
Tot Ion:146 Resp: 144463

Ion Ratio Lower Upper

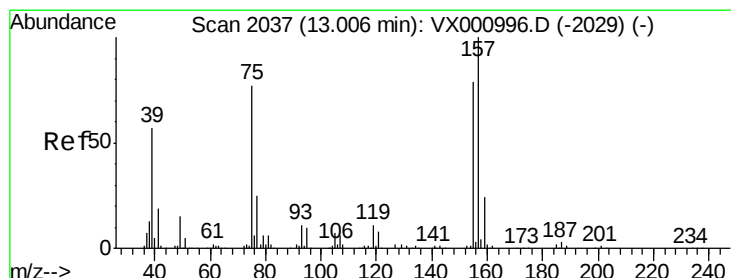
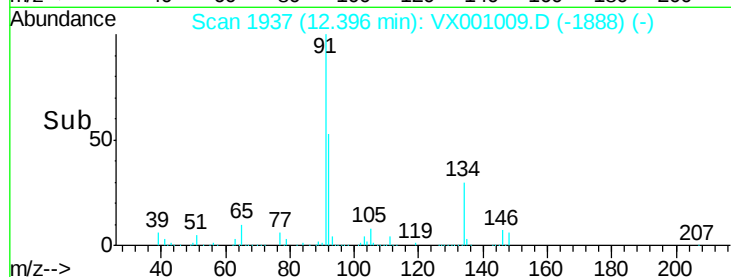
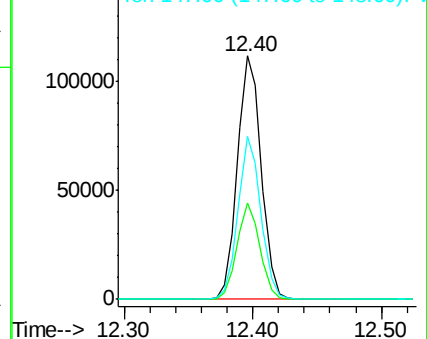
146 100

111 38.2 18.6 56.0

148 64.4 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.74 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

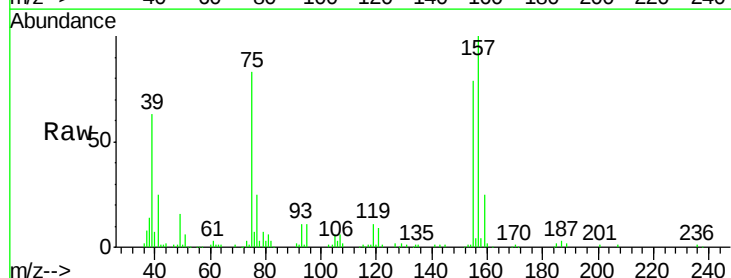
Tgt Ion: 75 Resp: 16623

Ion Ratio Lower Upper

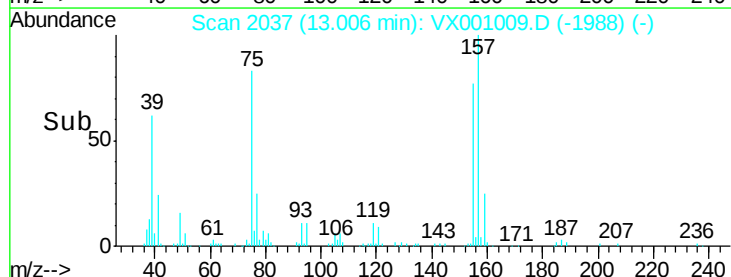
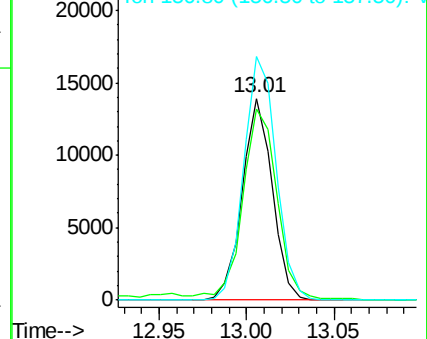
75 100

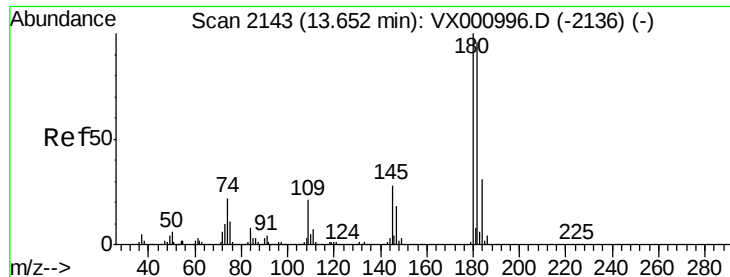
155 108.6 51.0 153.0

157 129.7 64.9 194.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

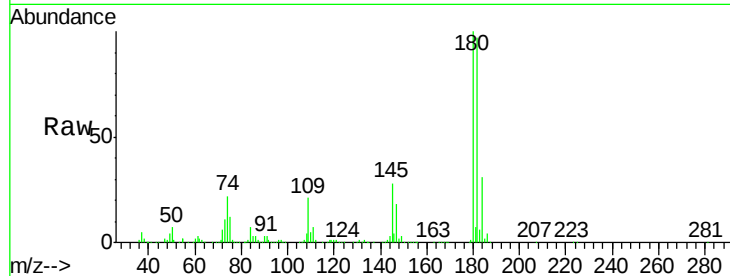




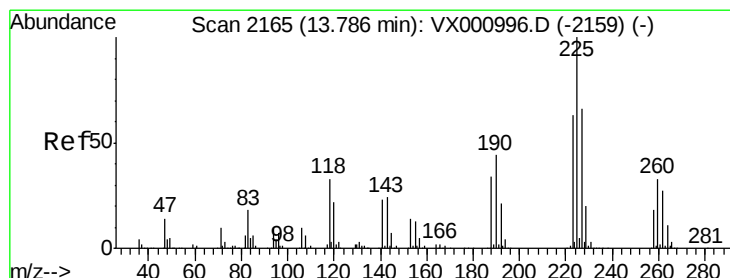
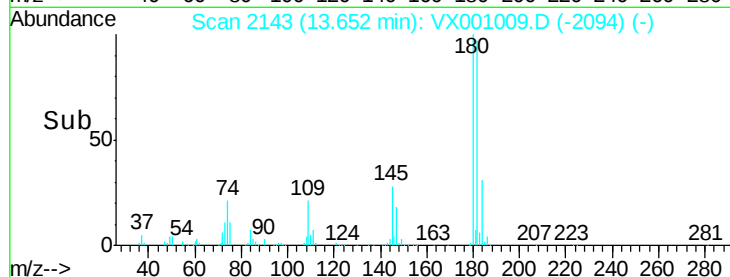
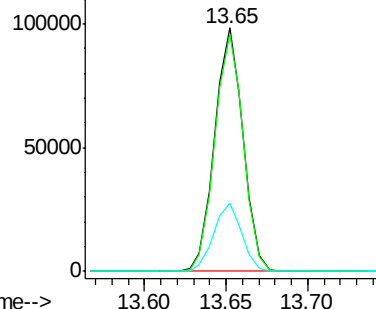
#93
 1,2,4-Trichlorobenzene
 Concen: 18.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.0	144.0
145	27.8	13.9	41.7

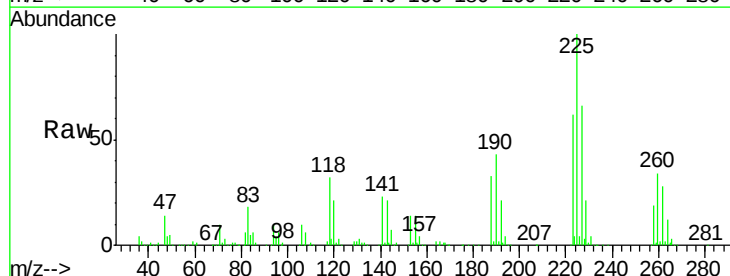


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

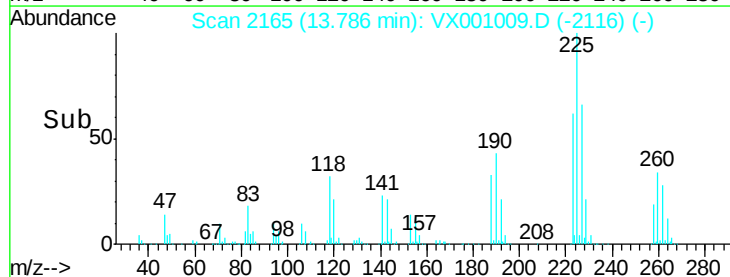
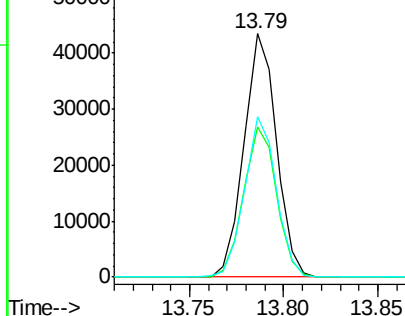


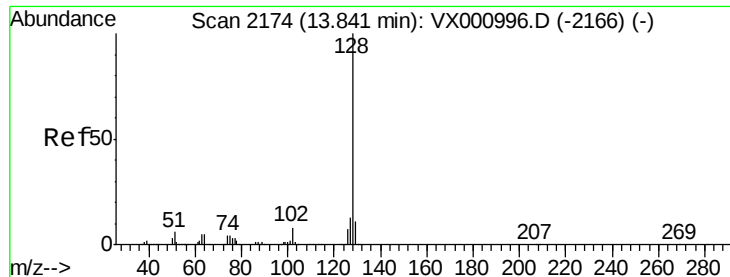
#94
 Hexachlorobutadiene
 Concen: 18.34 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	64.5	32.6	97.8



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





#95

Naphthalene

Concen: 20.06 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

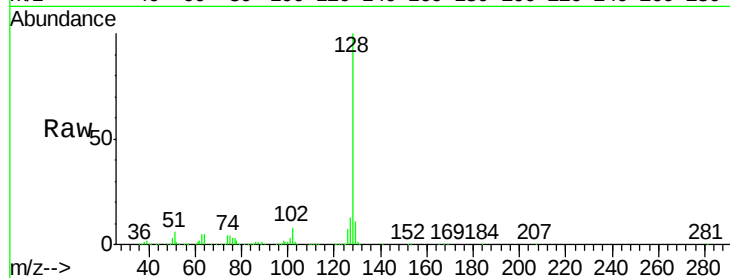
Tot Ion:128 Resp: 309469

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

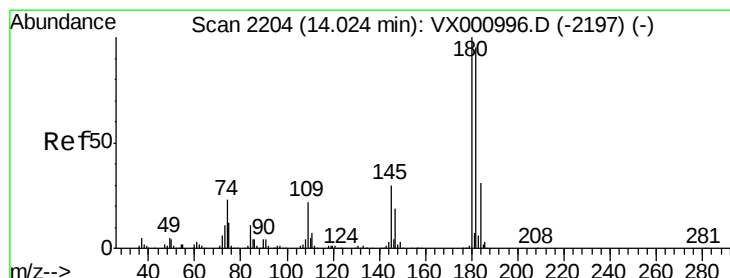
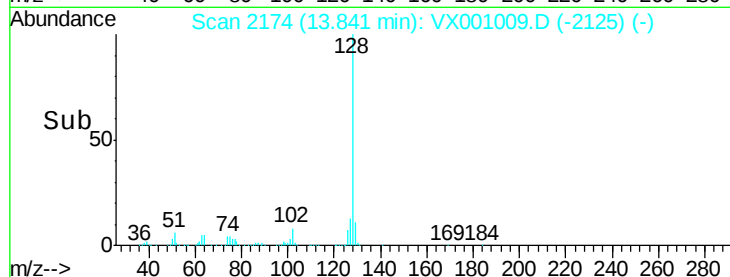
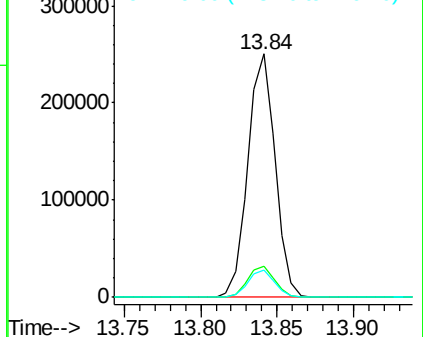
129 11.0 8.7 13.1



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: 18.97 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

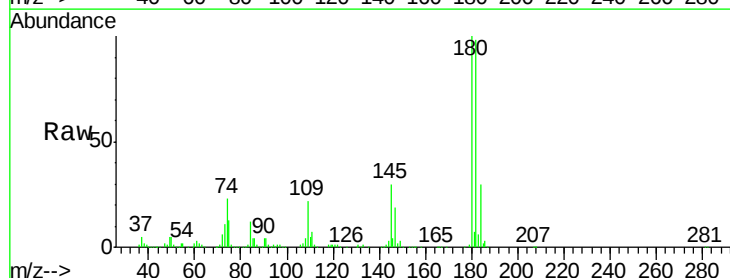
Tgt Ion:180 Resp: 115034

Ion Ratio Lower Upper

180 100

182 97.5 47.9 143.7

145 29.5 14.5 43.6



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

