

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003223.D
 Acq On : 06 Jul 2018 20:13
 Operator : JC/MD
 Sample : VX0706WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 00:02:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176430	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	156546	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	5.51	113	133832	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
50) Toluene-d8	8.72	98	451614	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.14	95	177104	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	37912	19.33	ug/l	96
3) Chloromethane	1.32	50	40342	19.27	ug/l	98
4) Vinyl Chloride	1.40	62	44361	18.03	ug/l	93
5) Bromomethane	1.64	94	19745	15.30	ug/l	96
6) Chloroethane	1.72	64	29267	18.96	ug/l	99
7) Trichlorofluoromethane	1.93	101	70741	17.04	ug/l	100
8) Diethyl Ether	2.19	74	27629	18.31	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41653	17.32	ug/l	96
10) Methyl Iodide	2.51	142	36481	19.32	ug/l	96
11) Tert butyl alcohol	3.08	59	53528	89.35	ug/l	98
12) 1,1-Dichloroethene	2.37	96	37740	17.59	ug/l	93
13) Acrolein	2.29	56	38432	117.99	ug/l	97
14) Allyl chloride	2.73	41	74752	17.67	ug/l	95
15) Acrylonitrile	3.15	53	118398	92.53	ug/l	99
16) Acetone	2.45	43	105024	84.33	ug/l	97
17) Carbon Disulfide	2.57	76	95612	16.72	ug/l	99
18) Methyl Acetate	2.78	43	58959	16.93	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	138844	18.00	ug/l	99
20) Methylene Chloride	2.86	84	50029	20.64	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	42363	18.13	ug/l	93
22) Diisopropyl ether	3.87	45	154350	19.09	ug/l	97
23) Vinyl Acetate	3.83	43	625511	91.36	ug/l	97
24) 1,1-Dichloroethane	3.70	63	80112	18.23	ug/l	99
25) 2-Butanone	4.71	43	177707	96.14	ug/l	95
26) 2,2-Dichloropropane	4.59	77	63654	17.81	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	50790	19.38	ug/l	99
28) Bromochloromethane	5.02	49	47771	22.71	ug/l	91
29) Tetrahydrofuran	5.17	42	113215	95.52	ug/l	95
30) Chloroform	5.22	83	86879	19.26	ug/l	97
31) Cyclohexane	5.57	56	68397	18.14	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	74939	18.89	ug/l	98
36) 1,1-Dichloropropene	5.80	75	59870	18.41	ug/l	97
37) Ethyl Acetate	4.87	43	68659	19.60	ug/l	96
38) Carbon Tetrachloride	5.78	117	66376	18.60	ug/l	97

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Instrument :
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 ClientSampleId :

Quant Time: Jul 07 00:02:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66444	17.54	ug/l	96
40) Benzene	6.15	78	187011	19.79	ug/l	100
41) Methacrylonitrile	5.07	41	39024	19.35	ug/l	96
42) 1,2-Dichloroethane	6.20	62	69564	18.22	ug/l	98
43) Isopropyl Acetate	6.47	43	108630	18.49	ug/l	97
44) Trichloroethene	7.22	130	54135	19.21	ug/l	96
45) 1,2-Dichloropropane	7.52	63	48080	19.18	ug/l	97
46) Dibromomethane	7.67	93	33481	19.24	ug/l	96
47) Bromodichloromethane	7.90	83	61273	19.05	ug/l	99
48) Methyl methacrylate	7.78	41	54425	17.98	ug/l	94
49) 1,4-Dioxane	7.76	88	23649	401.63	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	354890	96.57	ug/l	99
52) Toluene	8.79	92	118058	19.50	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	69898	19.19	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	62936	17.96	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	50341	20.23	ug/l	98
56) Ethyl methacrylate	9.18	69	68779	18.92	ug/l	92
57) 1,3-Dichloropropane	9.38	76	80377	19.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	177414	101.14	ug/l	97
59) 2-Hexanone	9.50	43	266392	95.38	ug/l	97
60) Dibromochloromethane	9.59	129	49781	19.01	ug/l	100
61) 1,2-Dibromoethane	9.68	107	51380	19.69	ug/l	99
64) Tetrachloroethene	9.34	164	61294	19.51	ug/l	97
65) Chlorobenzene	10.14	112	137230	19.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	49762	19.09	ug/l	99
67) Ethyl Benzene	10.26	91	218392	18.42	ug/l	100
68) m/p-Xylenes	10.36	106	170988	37.42	ug/l	99
69) o-Xylene	10.70	106	82452	18.53	ug/l	99
70) Styrene	10.71	104	139067	19.24	ug/l	98
71) Bromoform	10.86	173	38963	19.15	ug/l #	98
73) Isopropylbenzene	11.02	105	227656	19.18	ug/l	99
74) N-amyl acetate	6.47	43	108630	18.71	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	72239	19.76	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	76548	23.95	ug/l	82
77) Bromobenzene	11.26	156	65037	19.24	ug/l	96
78) n-propylbenzene	11.37	91	246273	18.23	ug/l	98
79) 2-Chlorotoluene	11.42	91	153236	18.73	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	187448	18.75	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16429	17.27	ug/l	96
82) 4-Chlorotoluene	11.51	91	178614	18.45	ug/l	98
83) tert-Butylbenzene	11.77	119	186777	18.96	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	190529	18.40	ug/l	98
85) sec-Butylbenzene	11.95	105	221713	18.55	ug/l	99
86) p-Isopropyltoluene	12.07	119	195567	18.20	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	116900	18.94	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	118746	18.69	ug/l	99
89) n-Butylbenzene	12.39	91	155452	16.62	ug/l	99
90) Hexachloroethane	12.60	117	28066	17.56	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	118747	19.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14494	17.63	ug/l	92

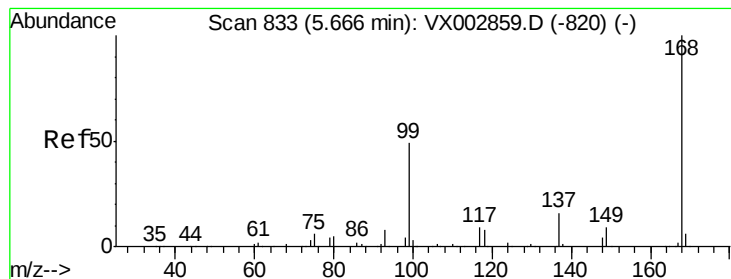
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	81106	17.89	ug/l	99
94) Hexachlorobutadiene	13.79	225	40126	17.74	ug/l	99
95) Naphthalene	13.83	128	231977	19.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	85455	18.87	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

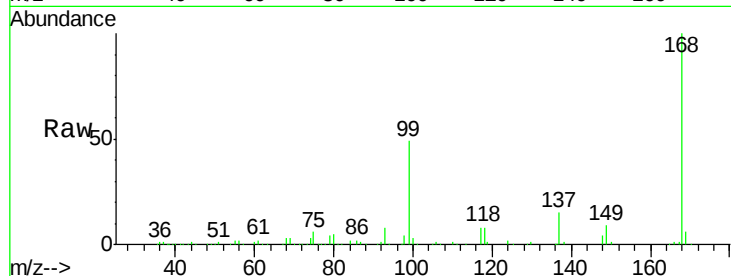
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 217576

Ion Ratio Lower Upper

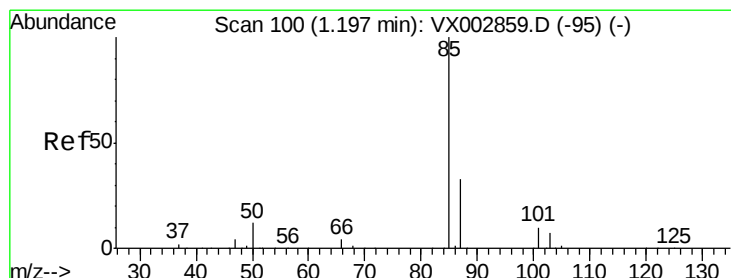
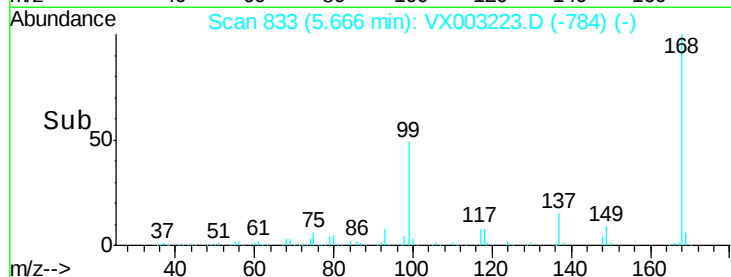
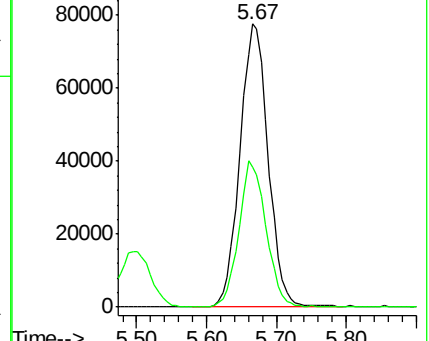
168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.33 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003223.D

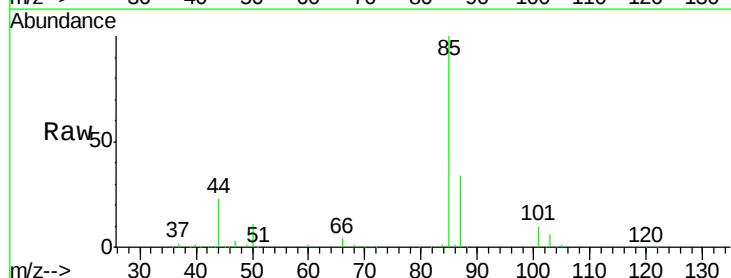
Acq: 06 Jul 2018 20:13

Tgt Ion: 85 Resp: 37912

Ion Ratio Lower Upper

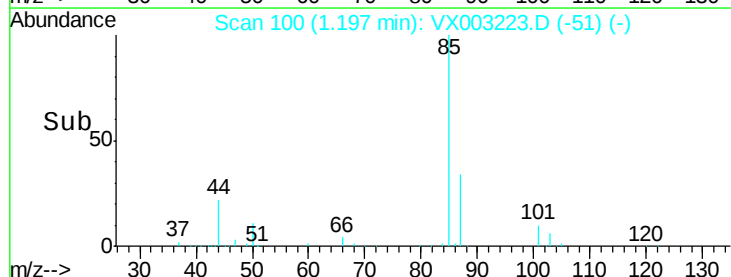
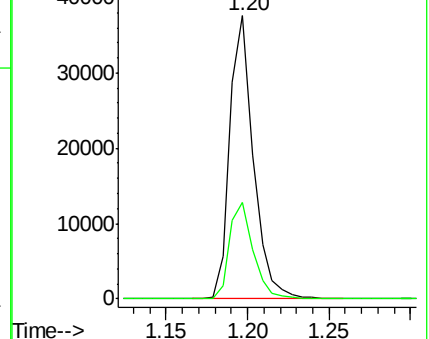
85 100

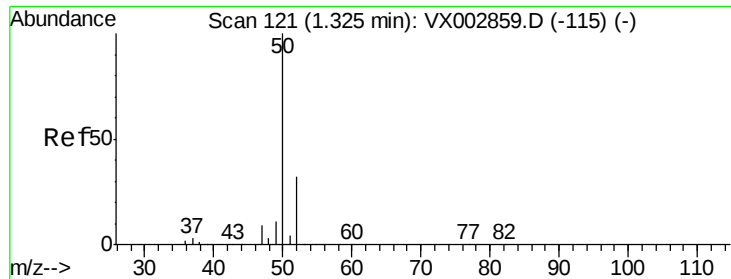
87 34.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.27 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

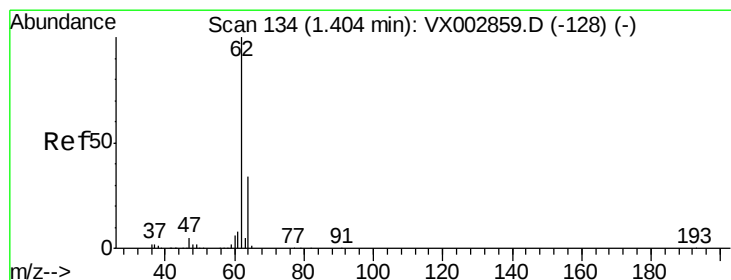
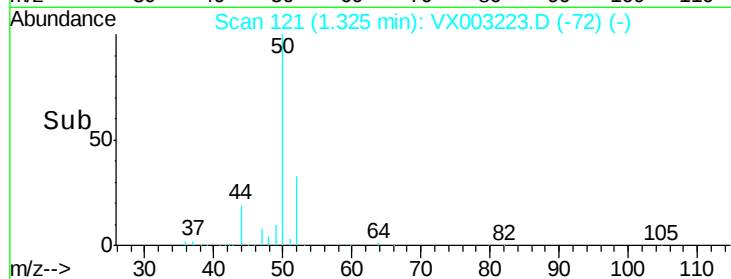
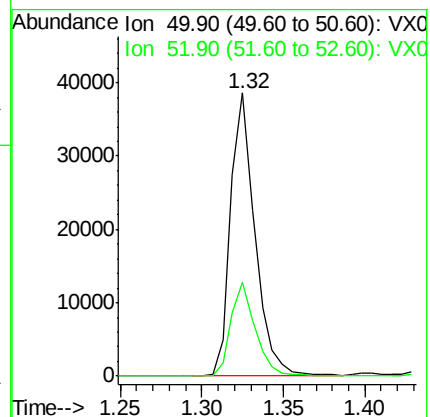
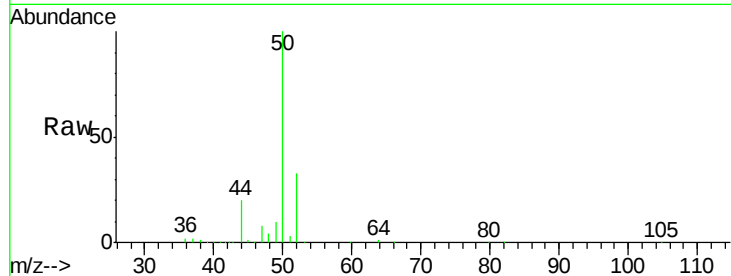
ClientSampled :

Tot Ion: 50 Resp: 40342

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



#4

Vinyl Chloride

Concen: 18.03 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003223.D

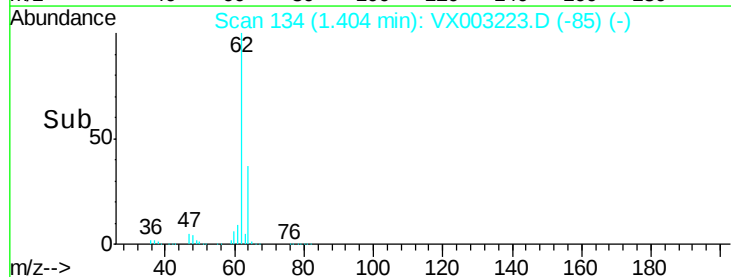
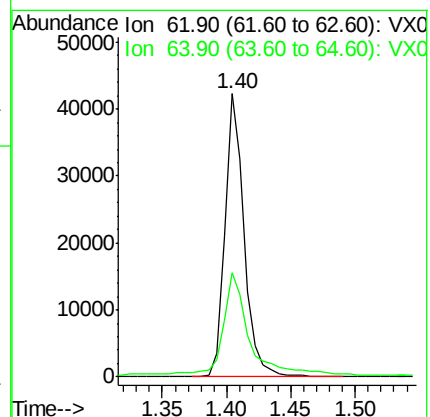
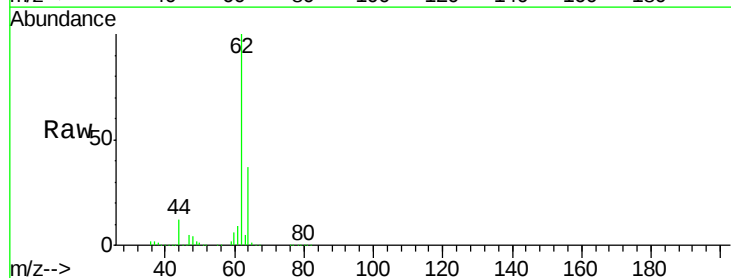
Acq: 06 Jul 2018 20:13

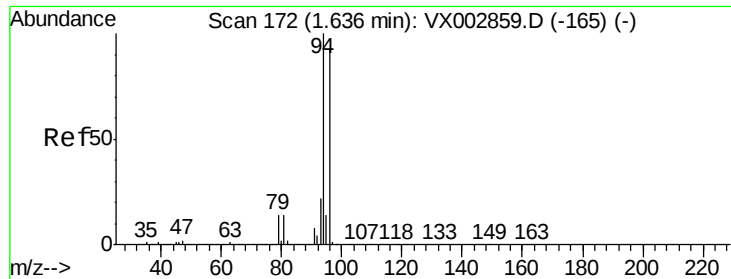
Tgt Ion: 62 Resp: 44361

Ion Ratio Lower Upper

62 100

64 35.6 25.4 38.2





#5

Bromomethane

Concen: 15.30 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

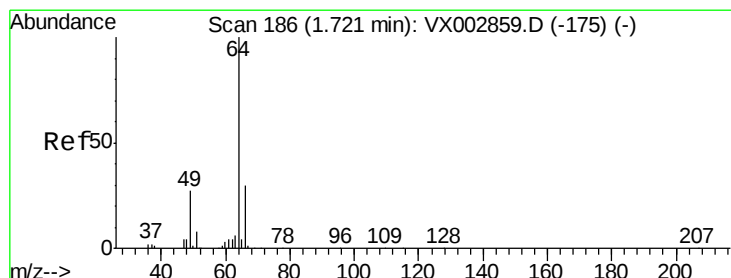
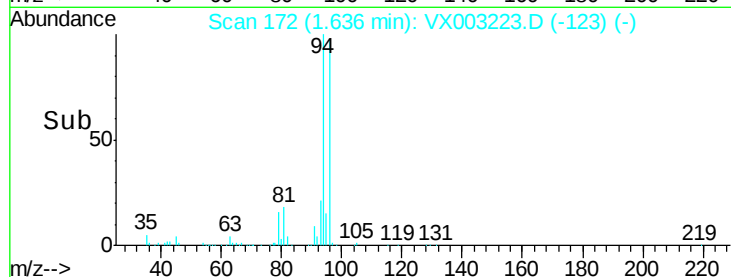
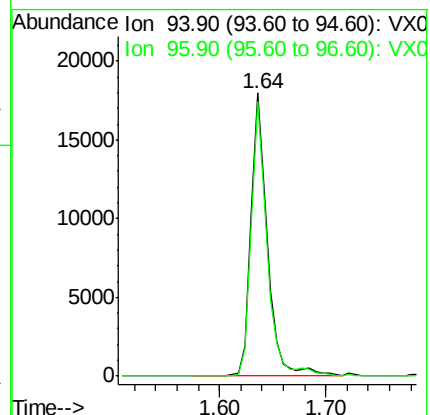
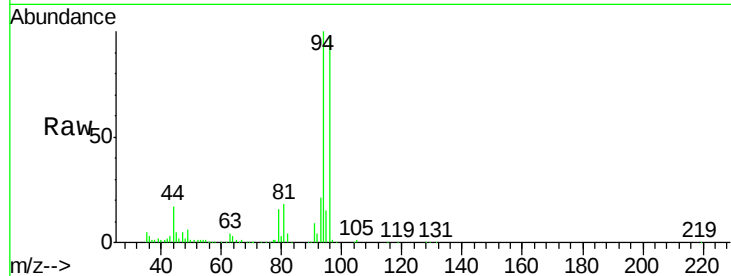
ClientSampleId :

Tot Ion: 94 Resp: 19745

Ion Ratio Lower Upper

94 100

96 97.1 74.9 112.3



#6

Chloroethane

Concen: 18.96 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003223.D

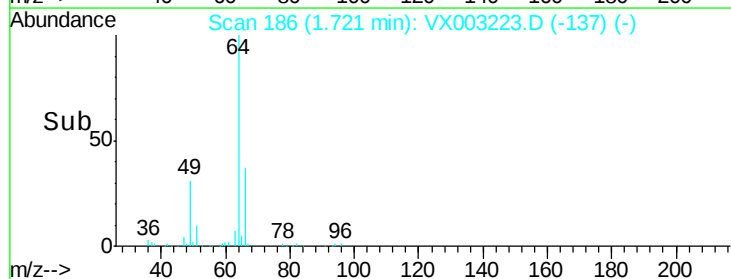
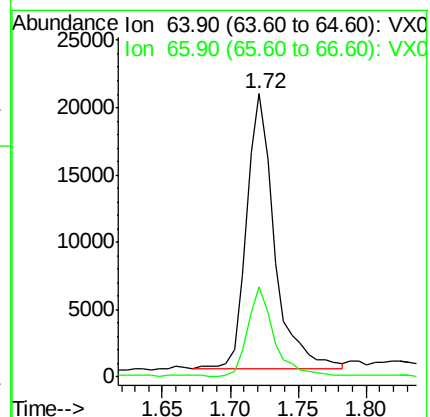
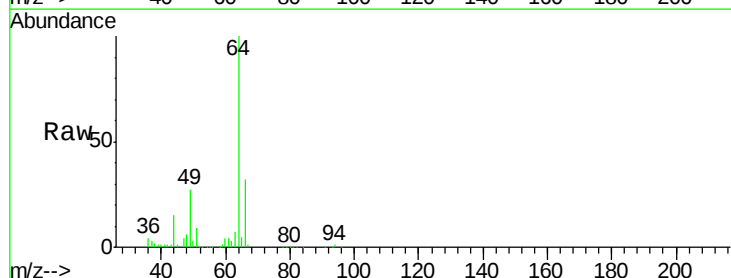
Acq: 06 Jul 2018 20:13

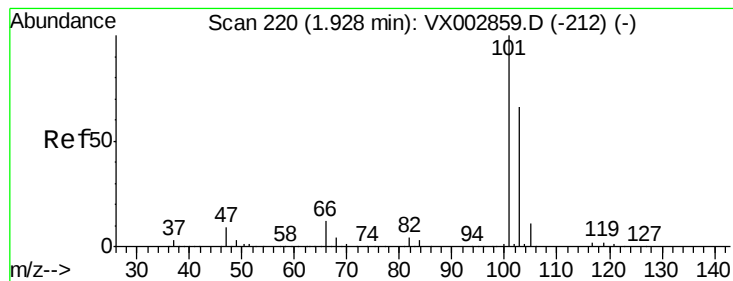
Tgt Ion: 64 Resp: 29267

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

Trichlorofluoromethane

Concen: 17.04 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

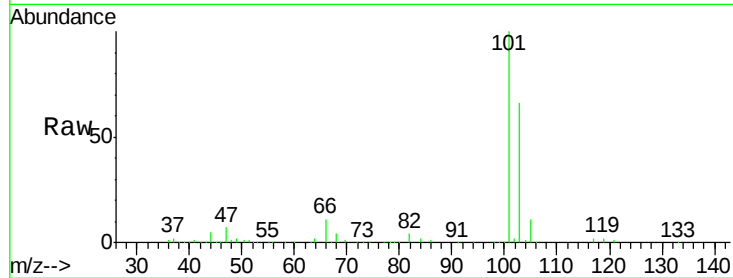
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 70741

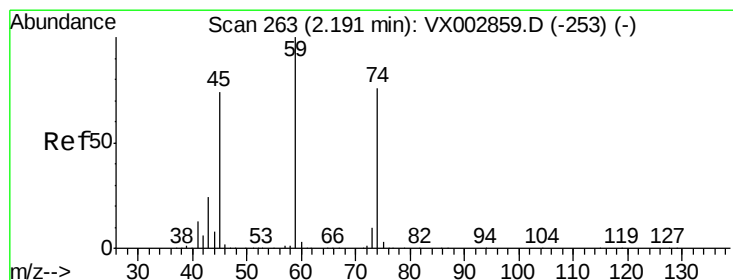
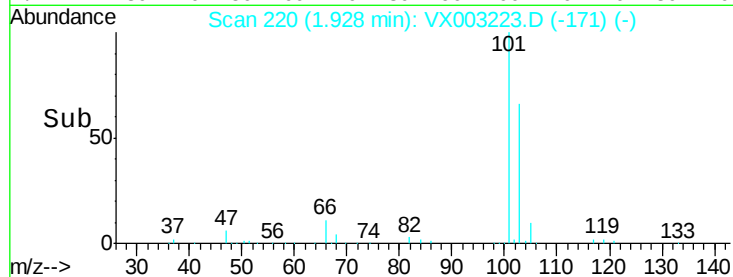
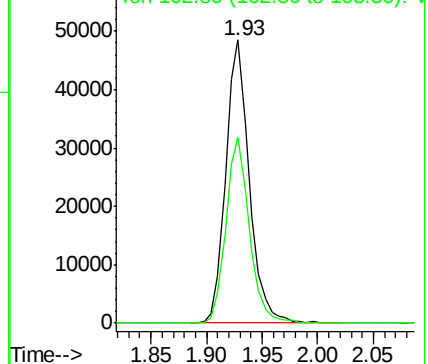
Ion Ratio Lower Upper

101 100

103 65.7 52.8 79.2



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



#8

Diethyl Ether

Concen: 18.31 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003223.D

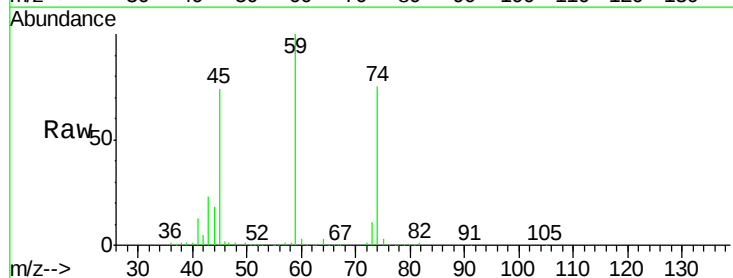
Acq: 06 Jul 2018 20:13

Tgt Ion: 74 Resp: 27629

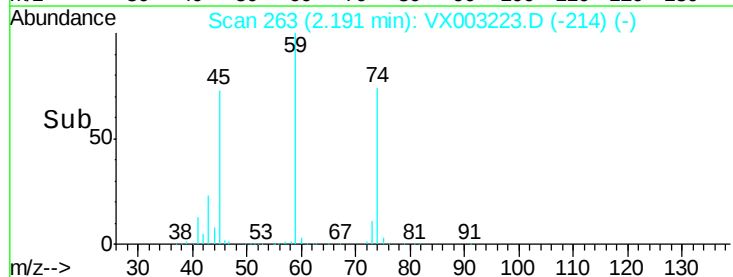
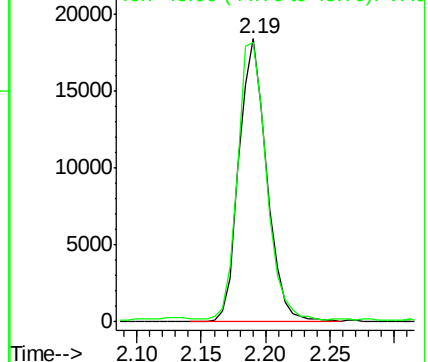
Ion Ratio Lower Upper

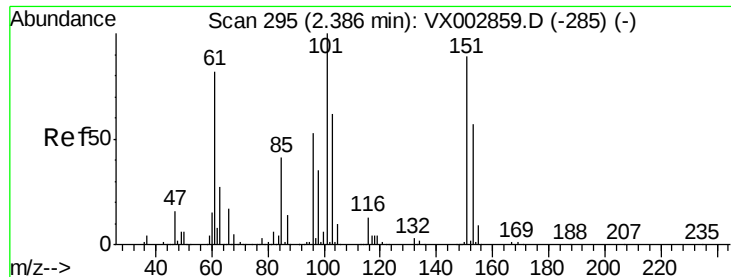
74 100

45 101.8 53.1 159.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.32 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

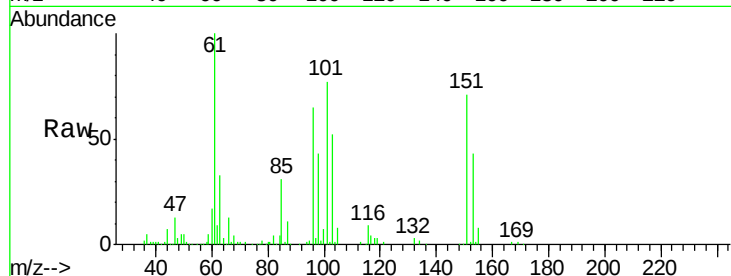
Tot Ion:101 Resp: 41653

Ion Ratio Lower Upper

101 100

85 43.5 36.0 54.0

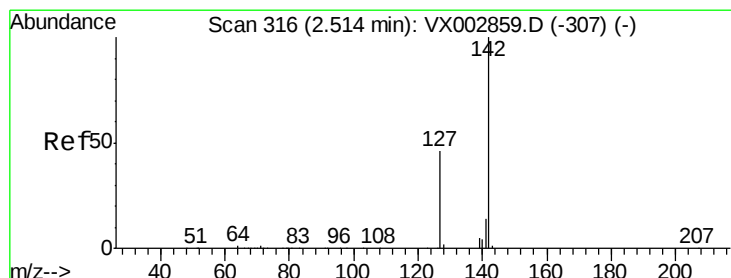
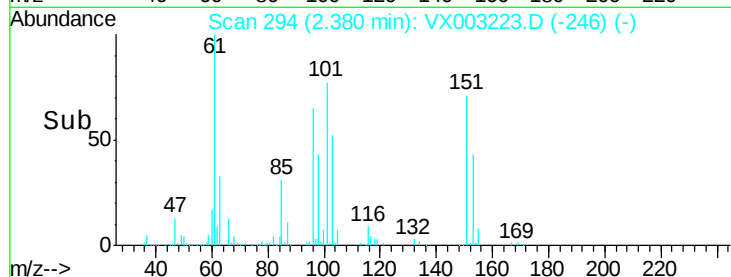
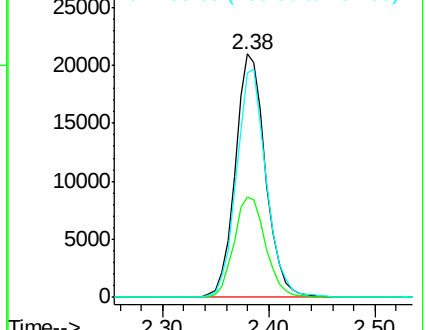
151 93.0 70.9 106.3



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: 19.32 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

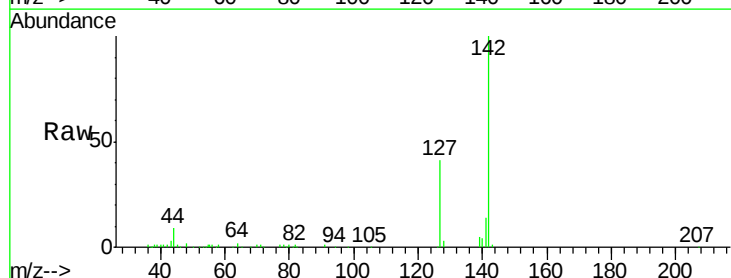
Tgt Ion:142 Resp: 36481

Ion Ratio Lower Upper

142 100

127 42.7 36.6 55.0

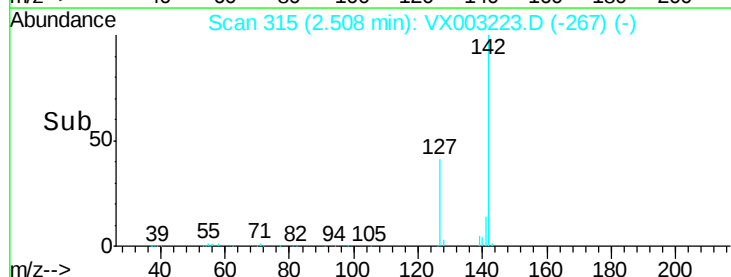
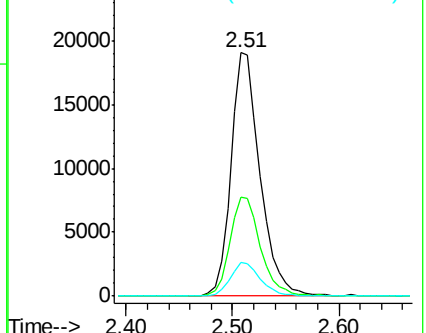
141 14.4 11.3 16.9

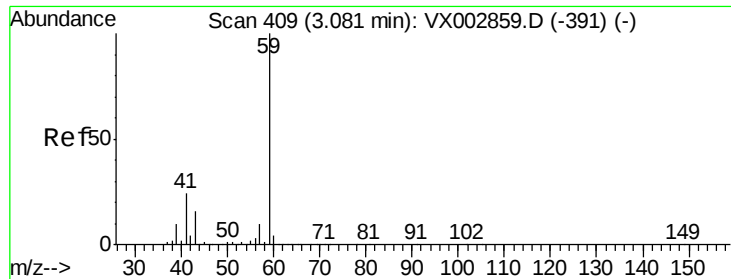


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



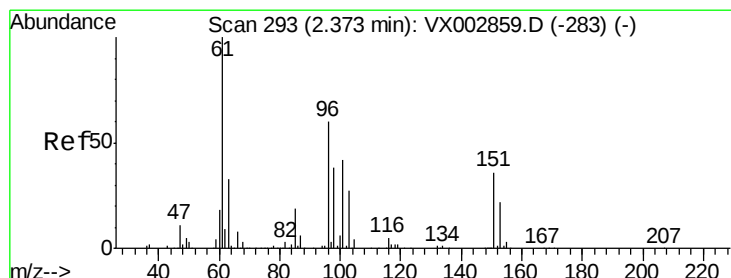
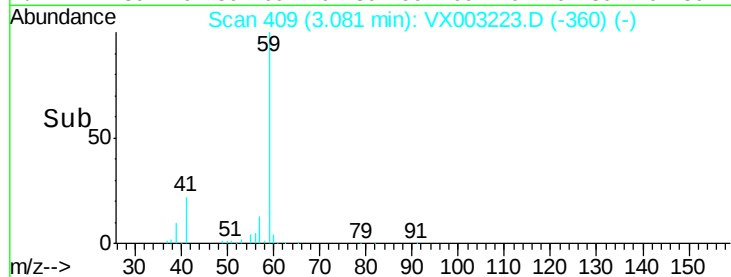
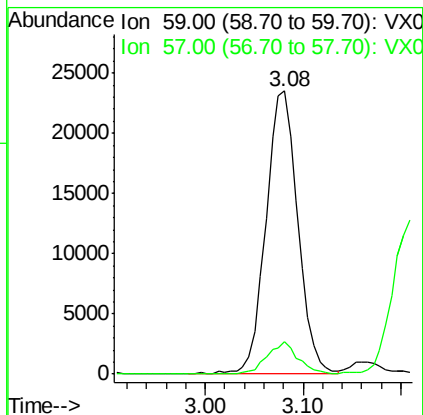
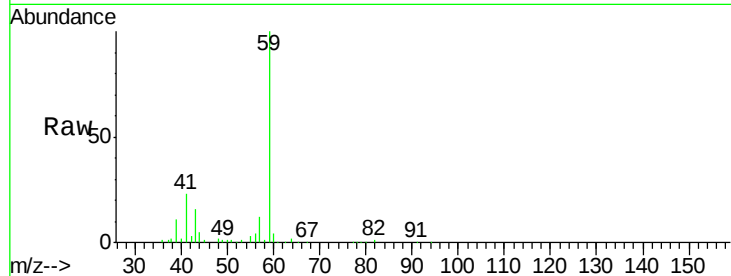


#11

Tert butyl alcohol
Concen: 89.35 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :

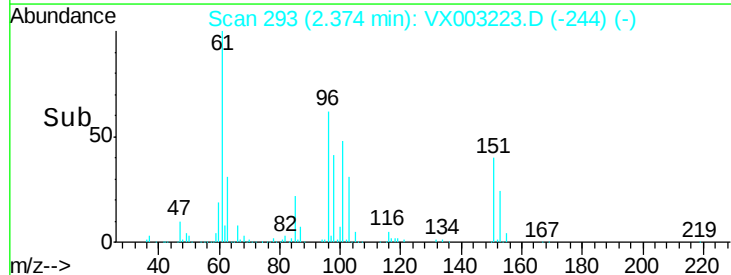
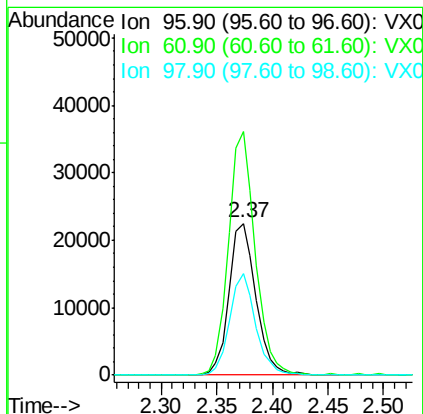
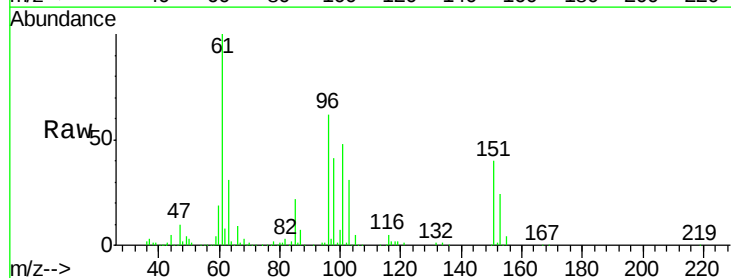
Tot Ion: 59 Resp: 53528
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

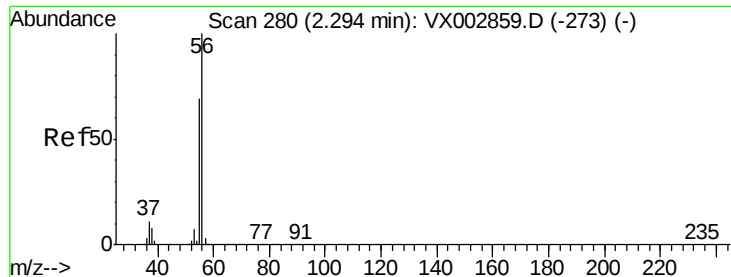


#12

1,1-Dichloroethene
Concen: 17.59 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 96 Resp: 37740
Ion Ratio Lower Upper
96 100
61 160.7 137.9 206.9
98 66.7 51.6 77.4





#13

Acrolein

Concen: 117.99 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

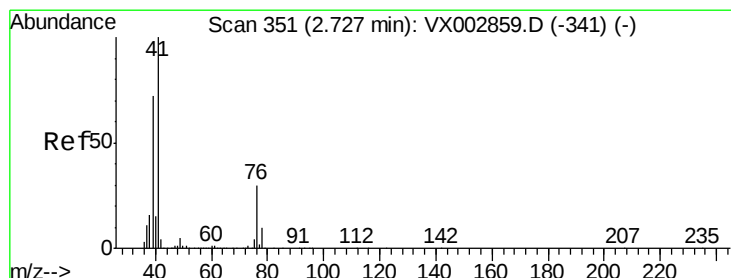
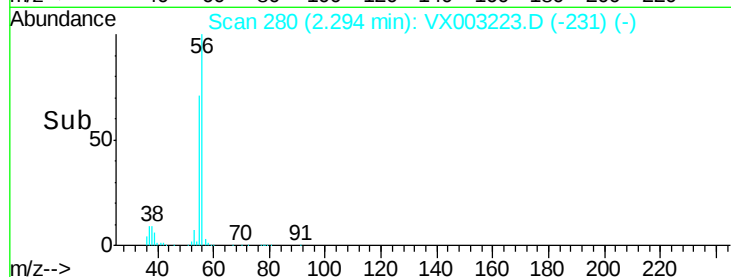
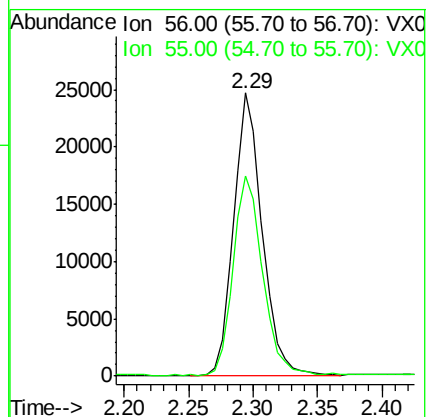
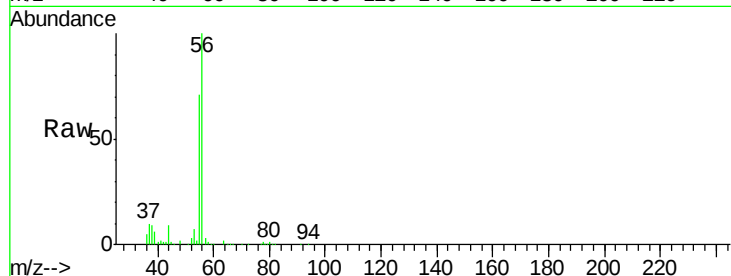
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 38432

Ion Ratio Lower Upper

56 100

55 73.6 57.0 85.4



#14

Allyl chloride

Concen: 17.67 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

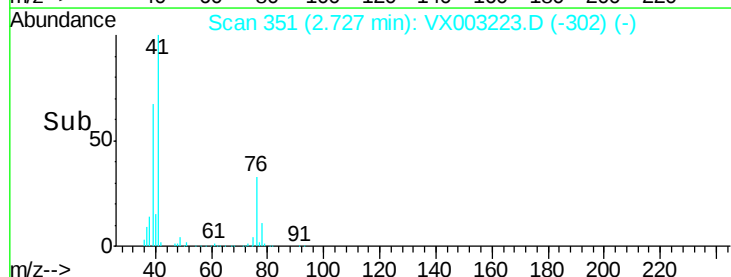
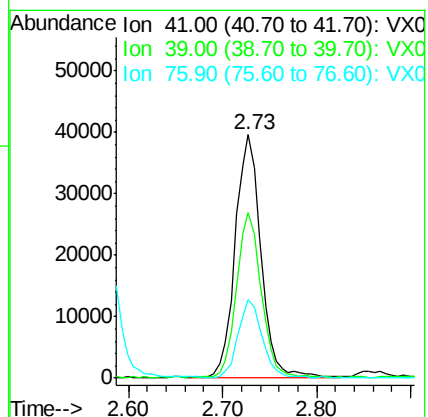
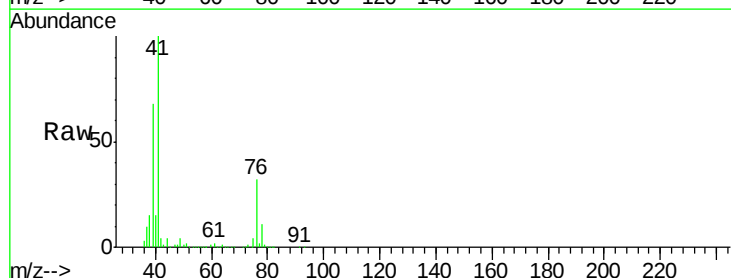
Tgt Ion: 41 Resp: 74752

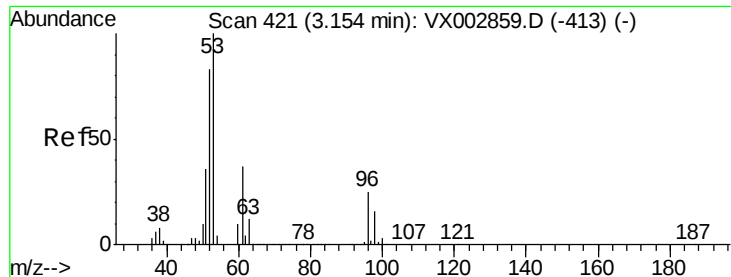
Ion Ratio Lower Upper

41 100

39 65.2 56.8 85.2

76 30.3 23.8 35.8





#15

Acrylonitrile

Concen: 92.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :

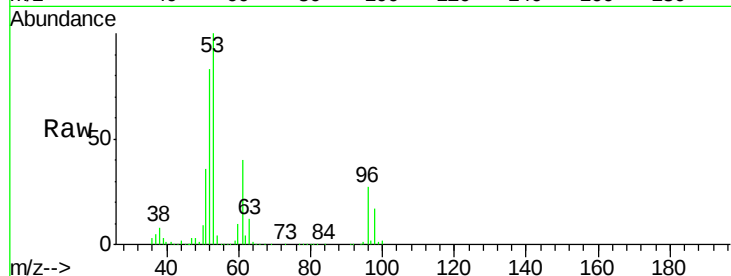
Tot Ion: 53 Resp: 118398

Ion Ratio Lower Upper

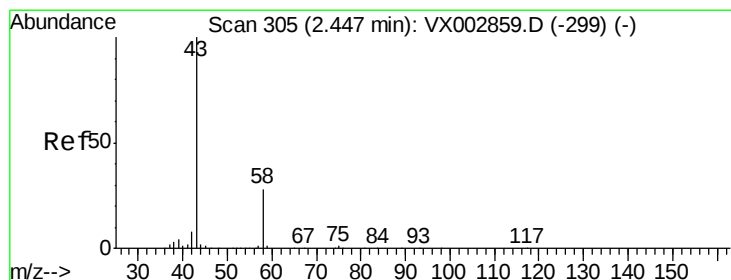
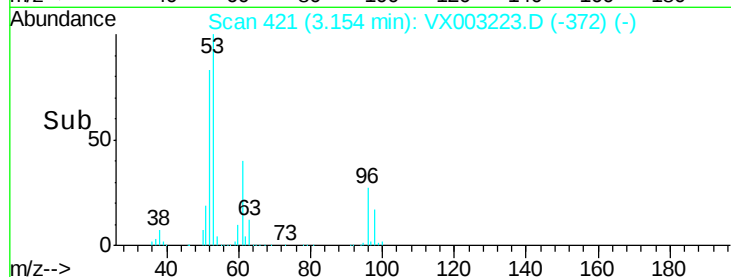
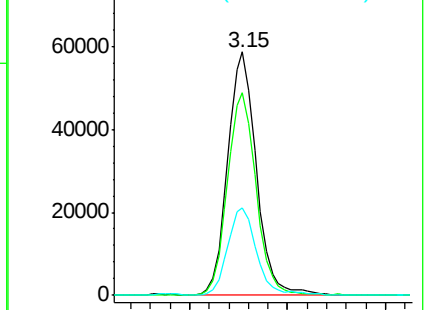
53 100

52 83.2 66.7 100.1

51 36.1 29.9 44.9



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



#16

Acetone

Concen: 84.33 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003223.D

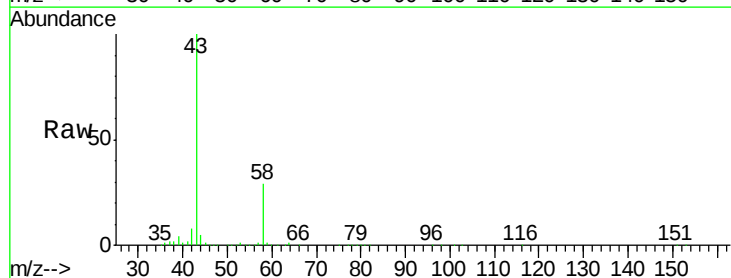
Acq: 06 Jul 2018 20:13

Tgt Ion: 43 Resp: 105024

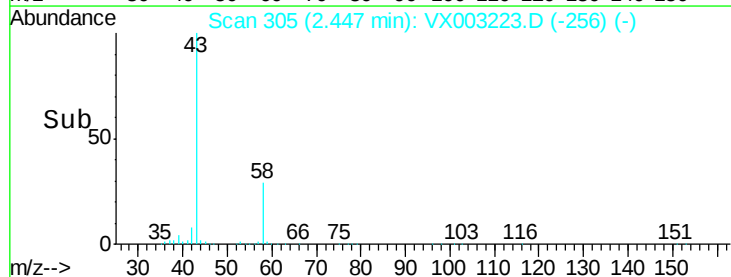
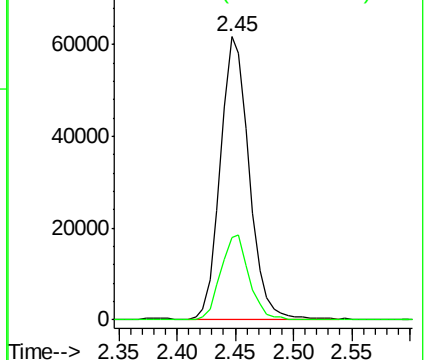
Ion Ratio Lower Upper

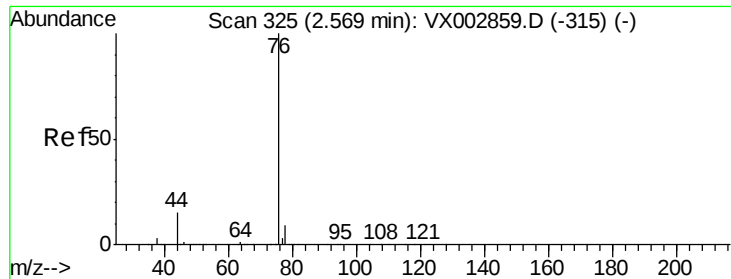
43 100

58 28.9 22.1 33.1



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

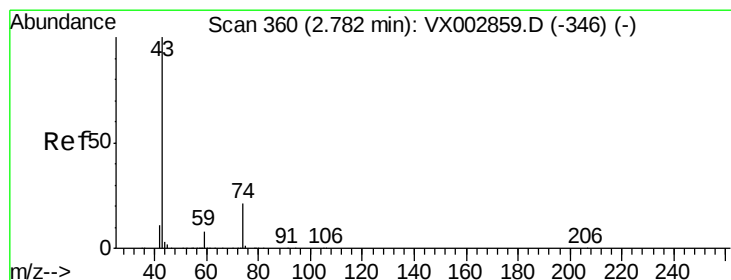
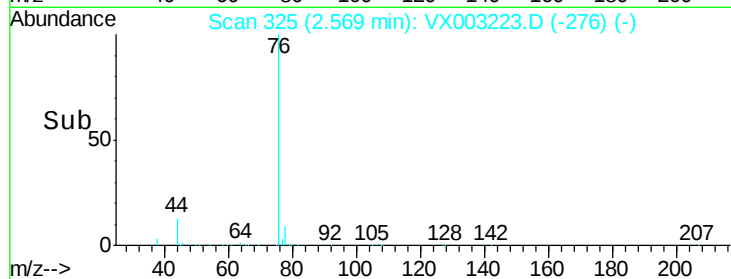
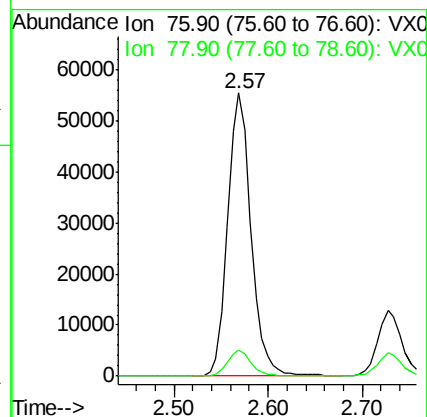
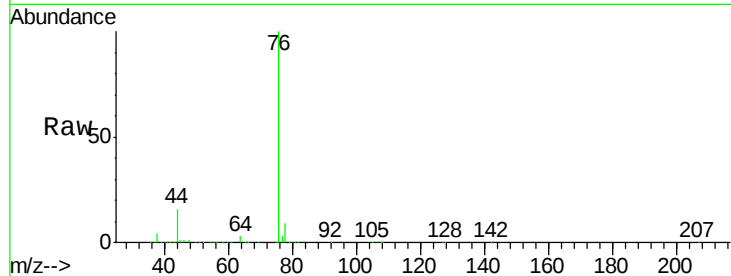




#17
Carbon Disulfide
Concen: 16.72 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

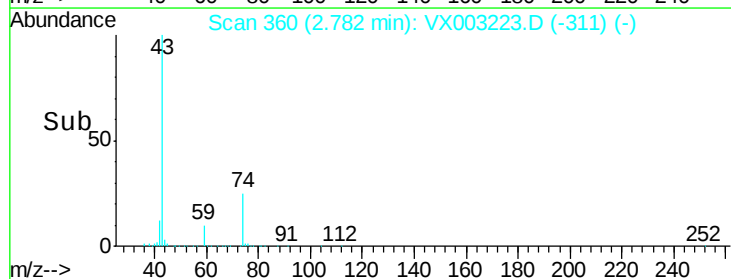
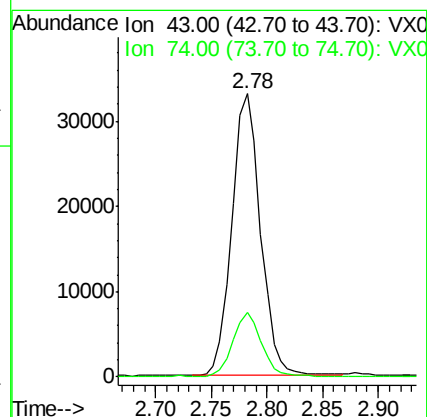
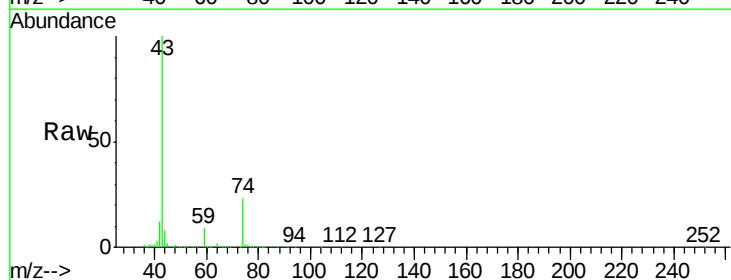
Instrument :
MSVOA_X
ClientSampled :

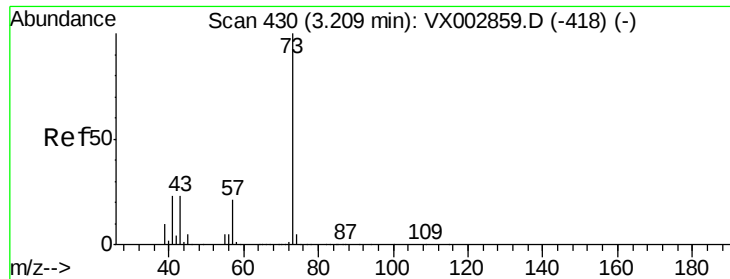
Tot Ion: 76 Resp: 95612
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 16.93 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 43 Resp: 58959
Ion Ratio Lower Upper
43 100
74 23.1 16.7 25.1

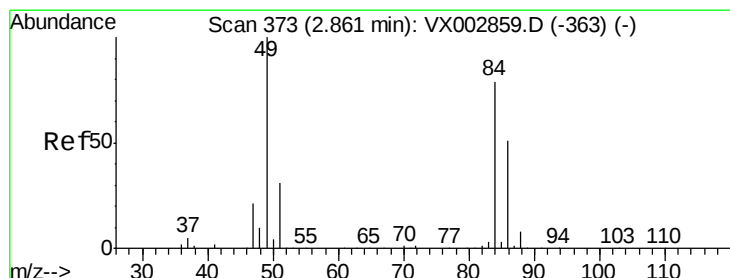
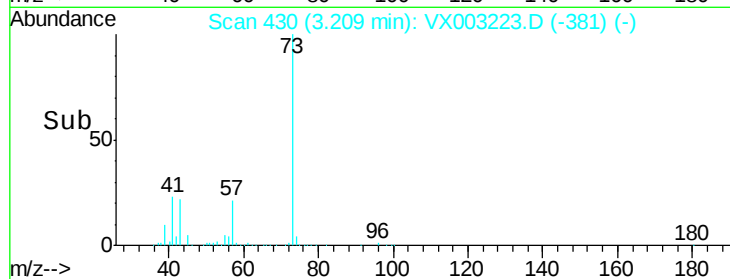
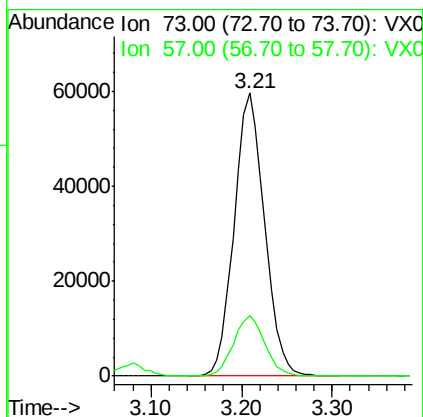
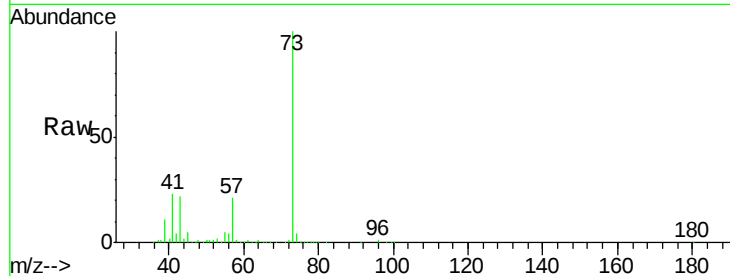




#19
Methvl tert-butvl Ether
Concen: 18.00 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

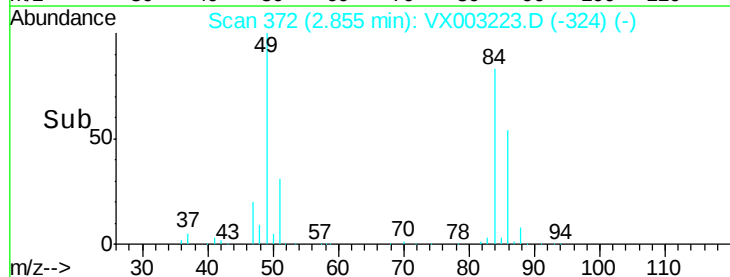
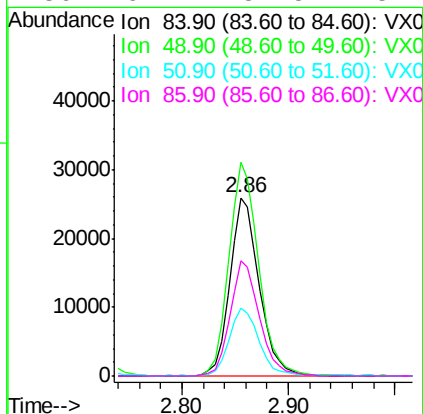
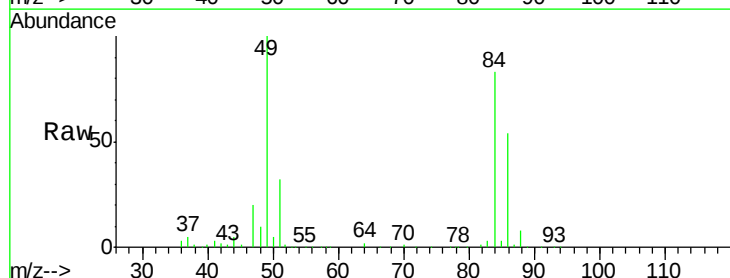
Instrument :
MSVOA_X
ClientSampleId :

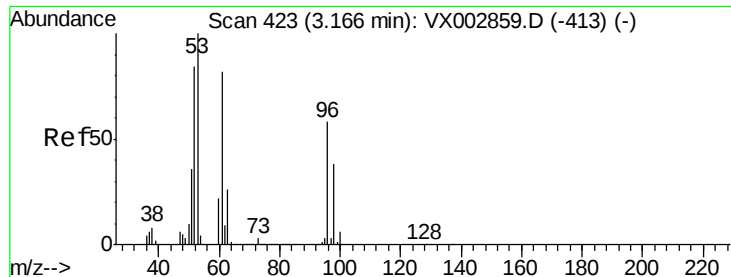
Tot Ion: 73 Resp: 138844
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#20
Methylene Chloride
Concen: 20.64 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 84 Resp: 50029
Ion Ratio Lower Upper
84 100
49 119.6 107.8 161.6
51 37.4 32.8 49.2
86 64.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.13 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :

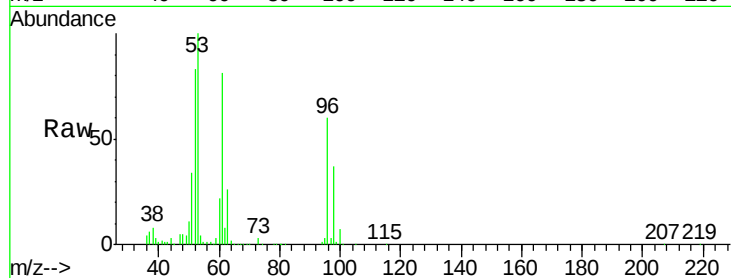
Tot Ion: 96 Resp: 42363

Ion Ratio Lower Upper

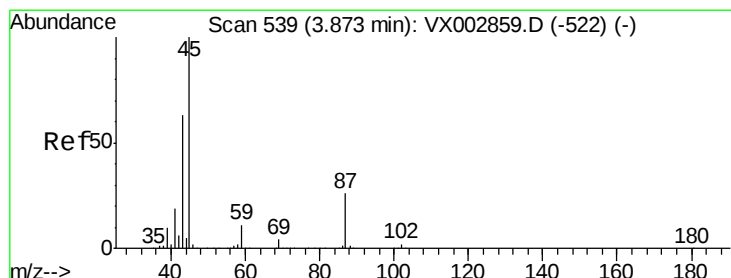
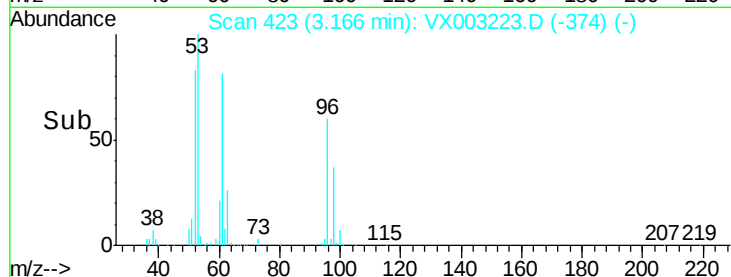
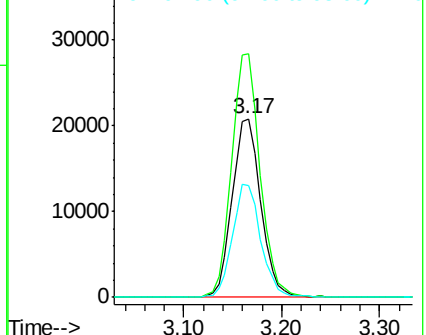
96 100

61 135.9 117.0 175.4

98 62.2 52.4 78.6



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



#22

Diisopropyl ether

Concen: 19.09 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion: 45 Resp: 154350

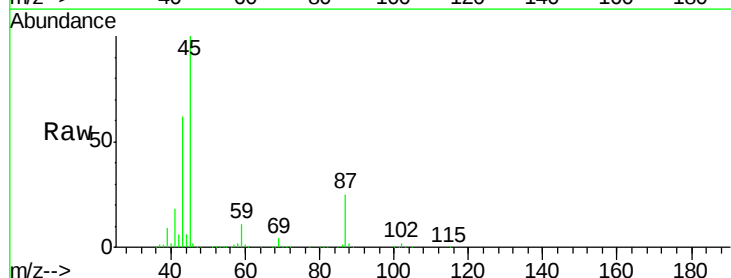
Ion Ratio Lower Upper

45 100

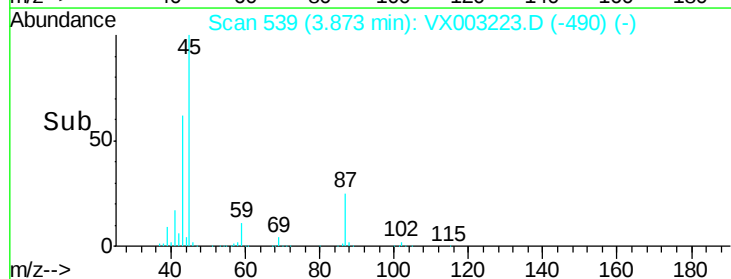
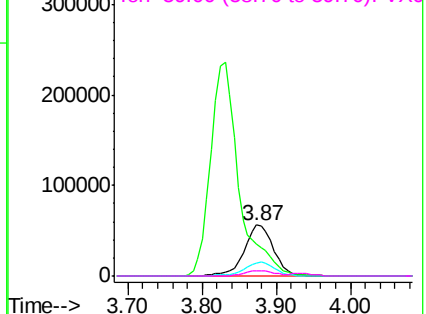
43 61.8 46.8 70.2

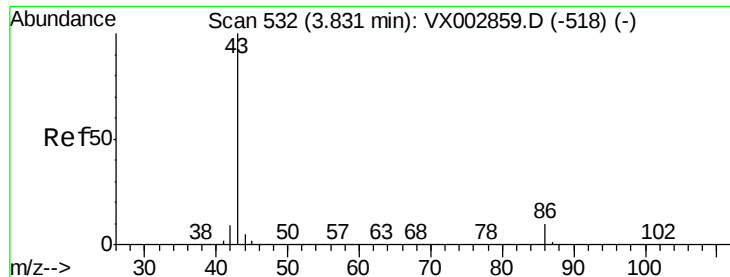
87 25.3 20.2 30.4

59 11.4 8.7 13.1



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: 91.36 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

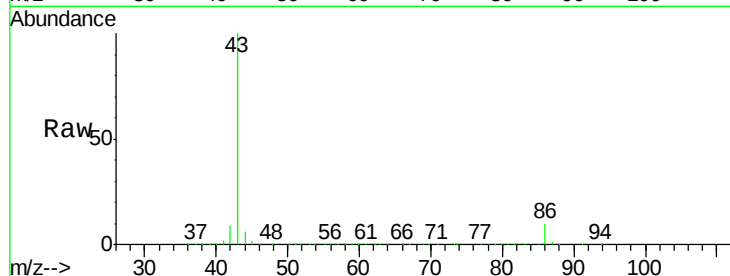
ClientSampleId :

Tot Ion: 43 Resp: 625511

Ion Ratio Lower Upper

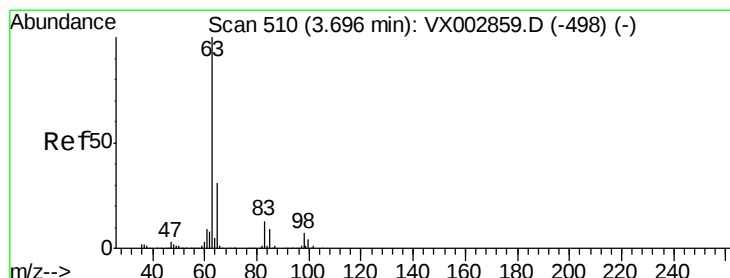
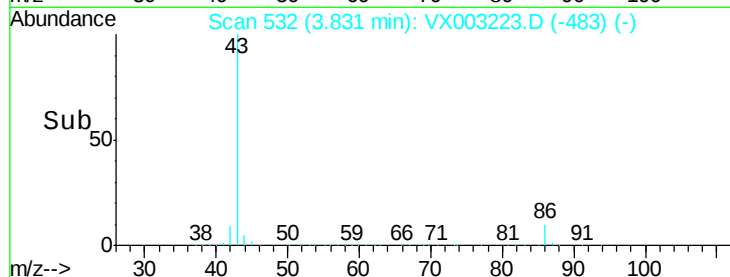
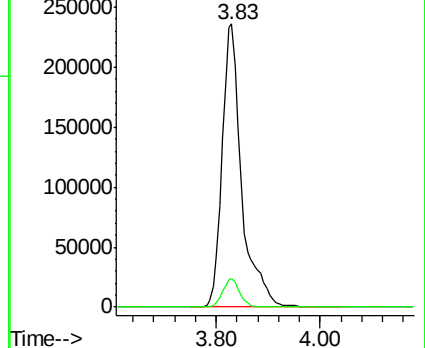
43 100

86 10.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.23 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

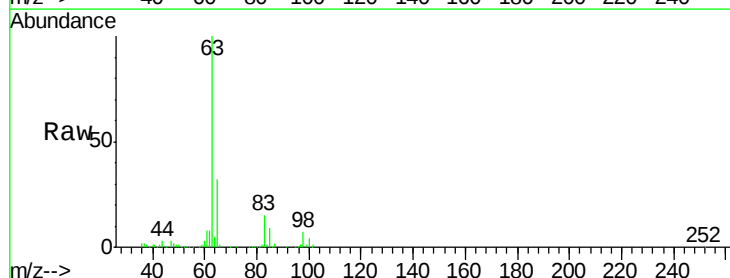
Tgt Ion: 63 Resp: 80112

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

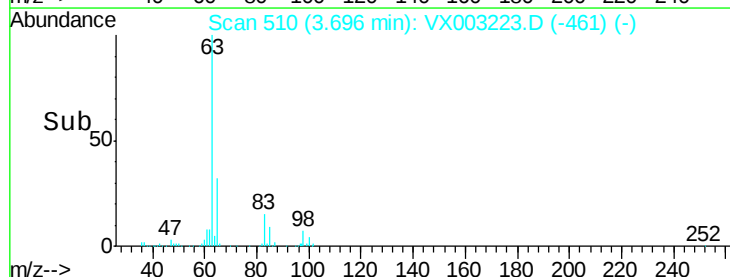
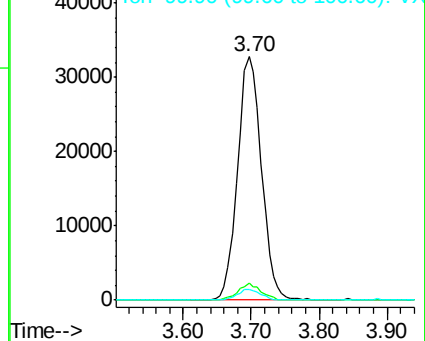
100 4.5 2.0 6.0

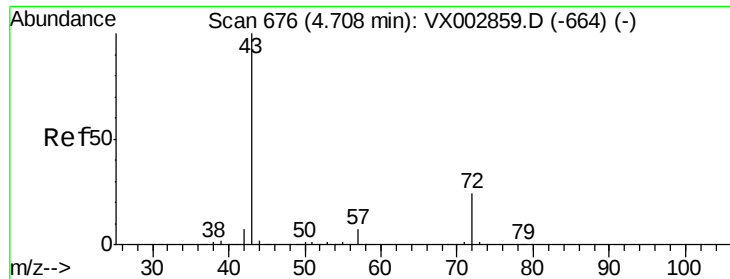


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.14 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

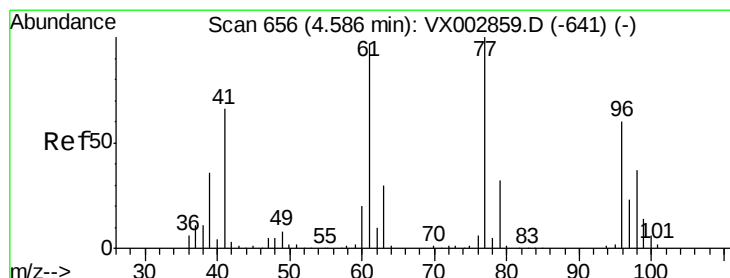
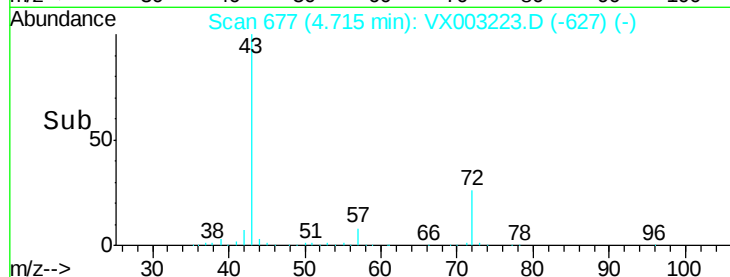
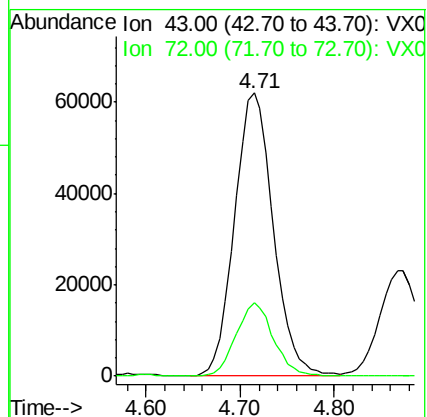
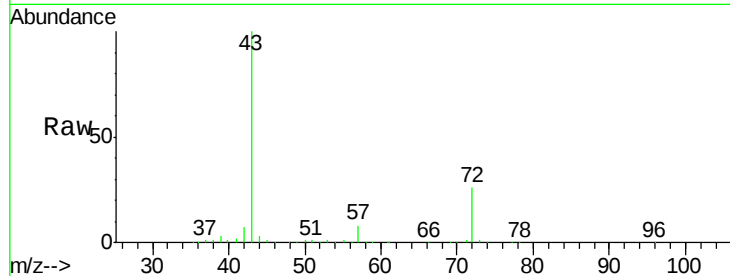
ClientSampleId :

Tot Ion: 43 Resp: 177707

Ion Ratio Lower Upper

43 100

72 25.7 18.5 27.7



#26

2,2-Dichloropropane

Concen: 17.81 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003223.D

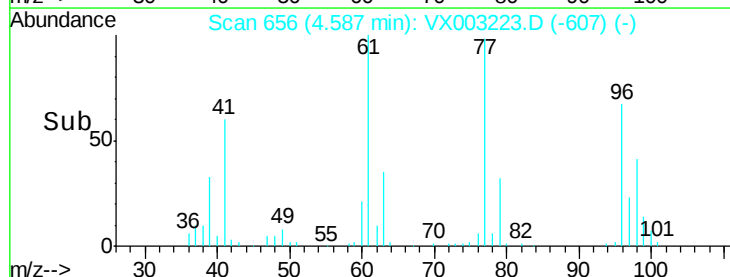
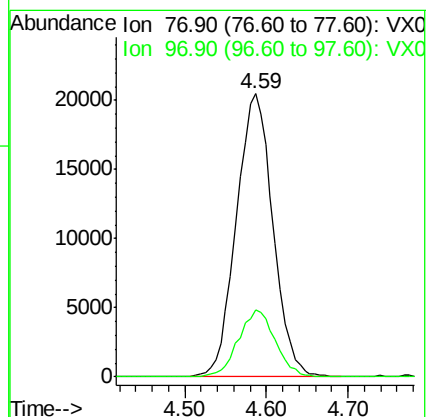
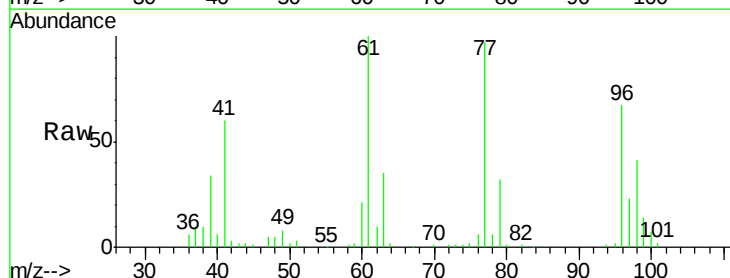
Acq: 06 Jul 2018 20:13

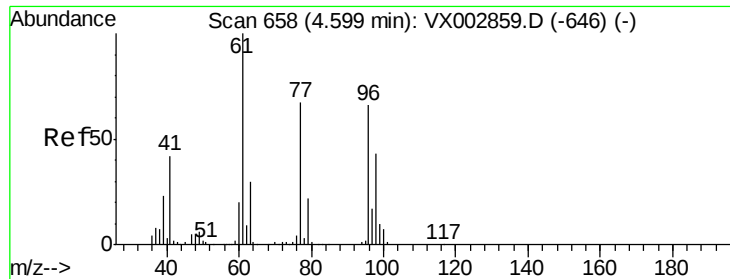
Tgt Ion: 77 Resp: 63654

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.5



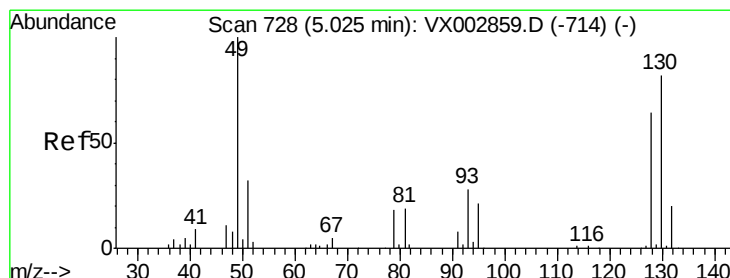
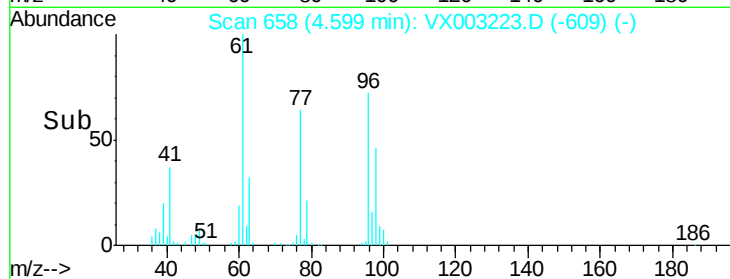
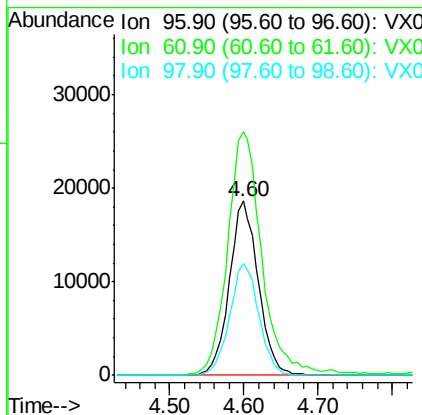
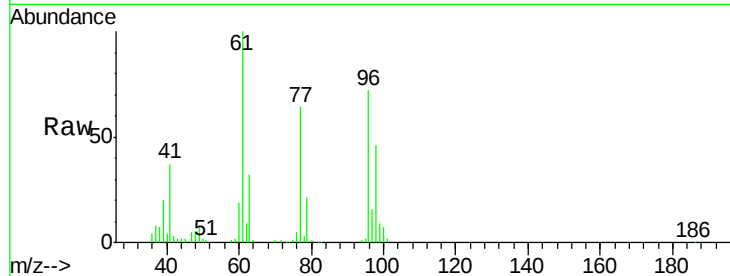


#27

cis-1,2-Dichloroethene
 Concen: 19.38 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :

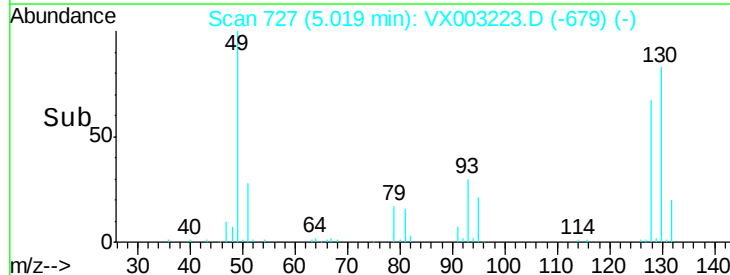
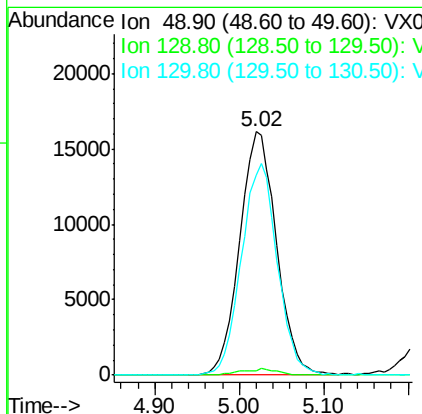
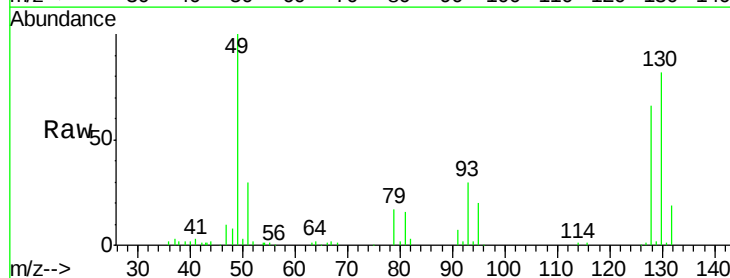
Tot Ion: 96 Resp: 50790
 Ion Ratio Lower Upper
 96 100
 61 164.2 0.0 330.2
 98 64.8 0.0 130.2

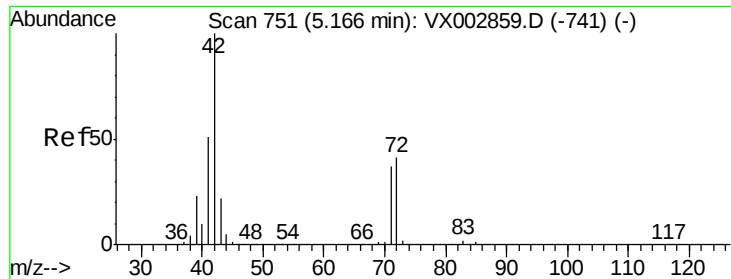


#28

Bromochloromethane
 Concen: 22.71 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 49 Resp: 47771
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.2
 130 84.8 61.2 91.8

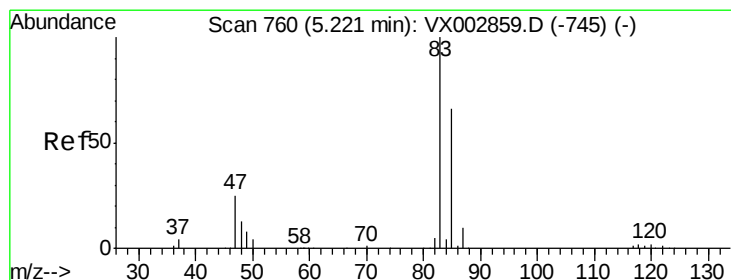
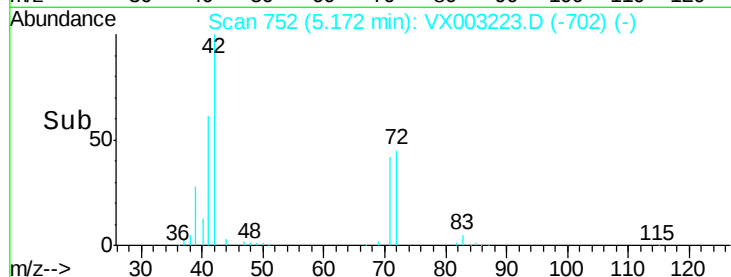
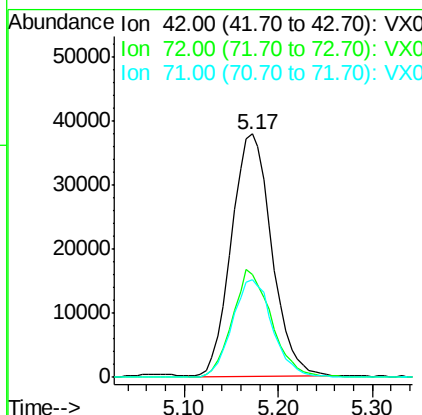
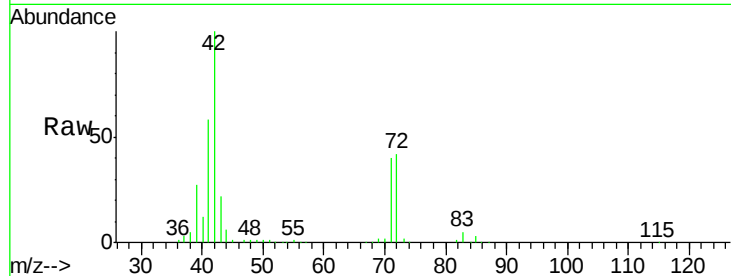




#29
Tetrahydrofuran
Concen: 95.52 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

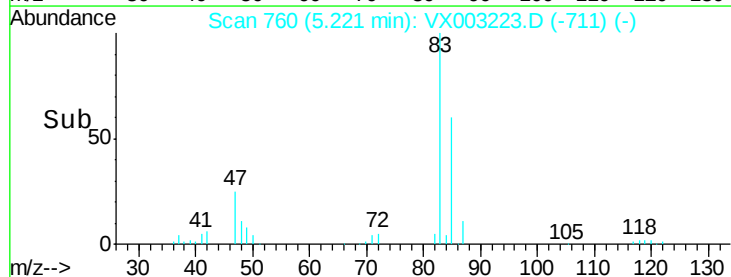
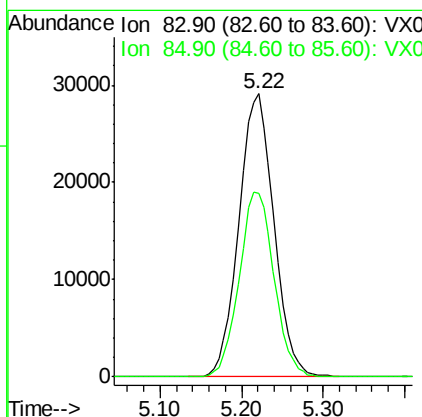
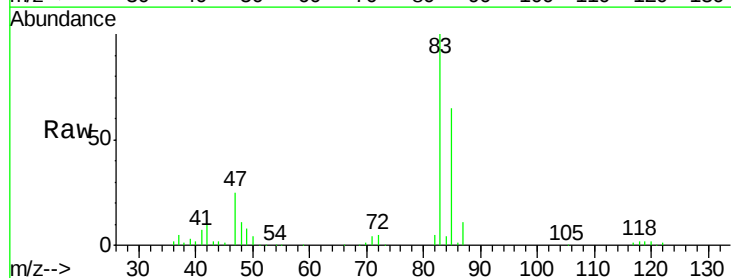
Instrument :
MSVOA_X
ClientSampled :

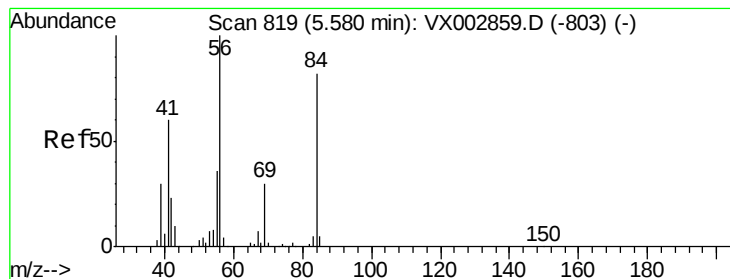
Tot Ion: 42 Resp: 113215
Ion Ratio Lower Upper
42 100
72 43.1 32.0 48.0
71 40.3 30.1 45.1



#30
Chloroform
Concen: 19.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 83 Resp: 86879
Ion Ratio Lower Upper
83 100
85 65.0 50.4 75.6





#31

Cyclohexane

Concen: 18.14 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :

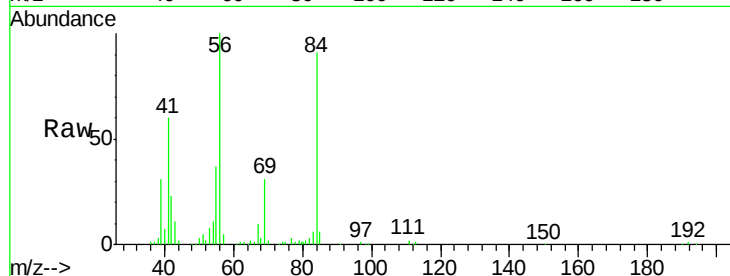
Tot Ion: 56 Resp: 68397

Ion Ratio Lower Upper

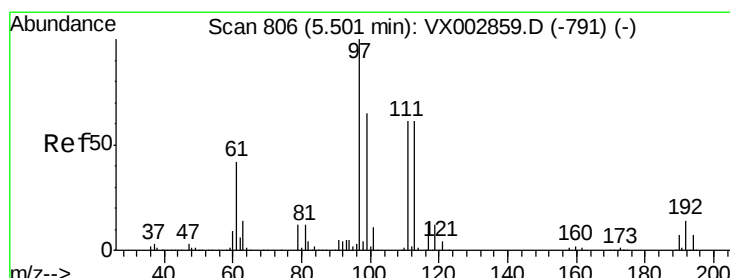
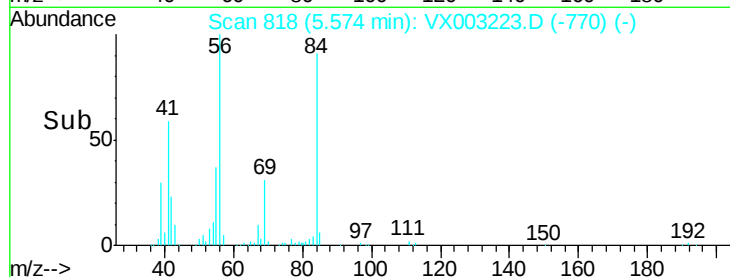
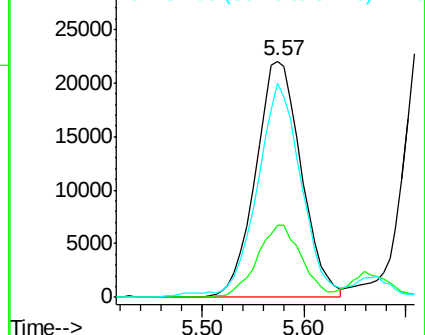
56 100

69 30.6 23.7 35.5

84 88.8 64.1 96.1



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: 18.89 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

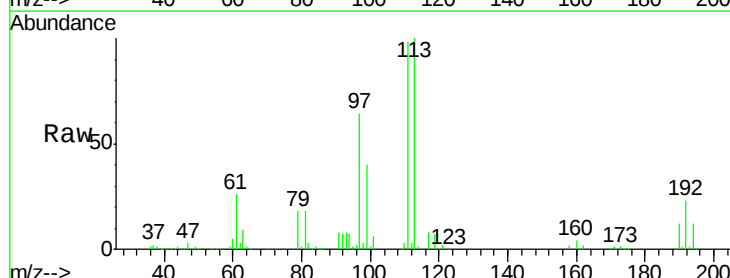
Tgt Ion: 97 Resp: 74939

Ion Ratio Lower Upper

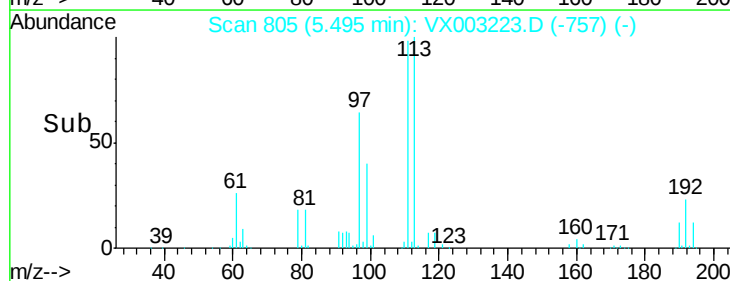
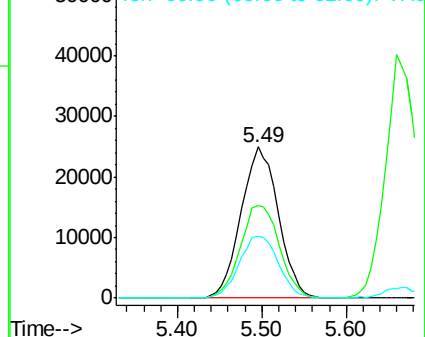
97 100

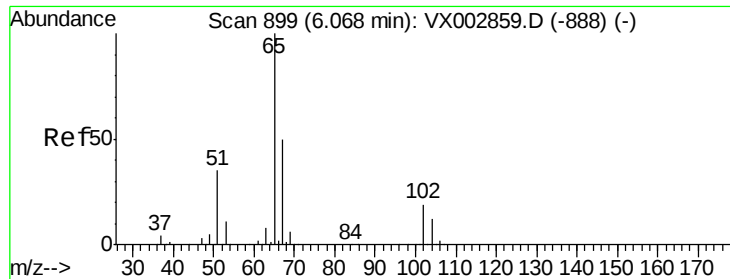
99 64.1 51.6 77.4

61 43.3 36.4 54.6



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

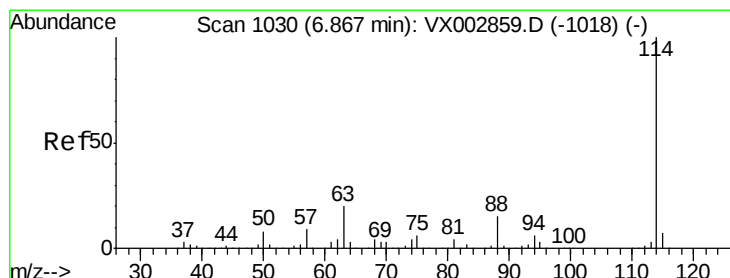
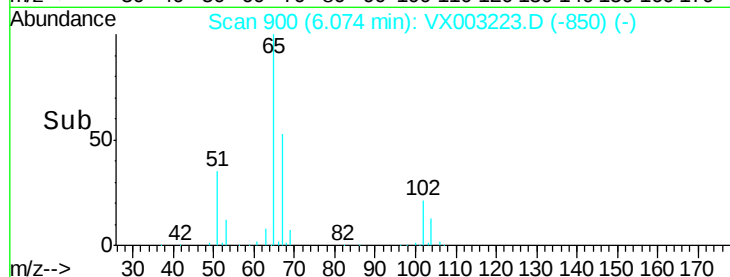
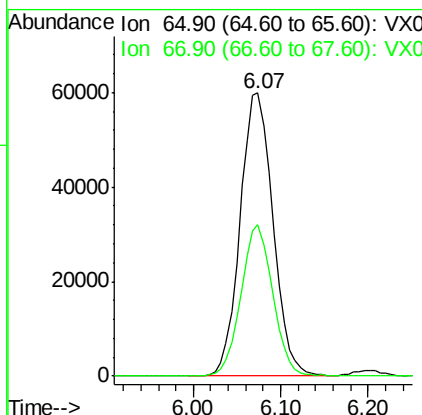
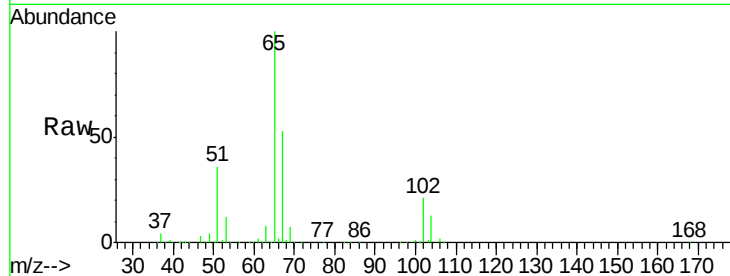




#33
 1,2-Dichloroethane-d4
 Concen: 52.05 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

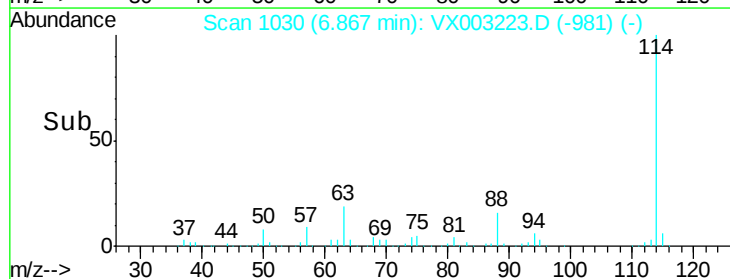
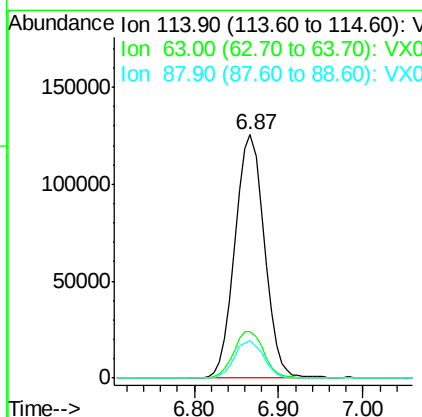
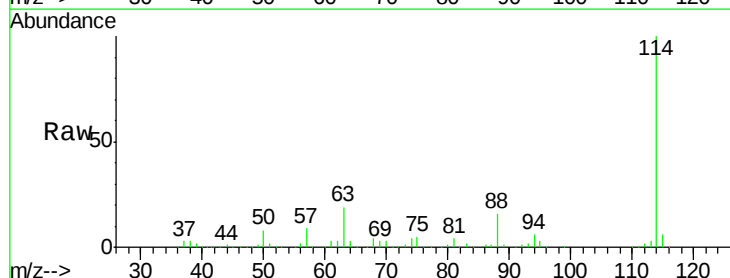
Instrument :
 MSVOA_X
 ClientSampleId :

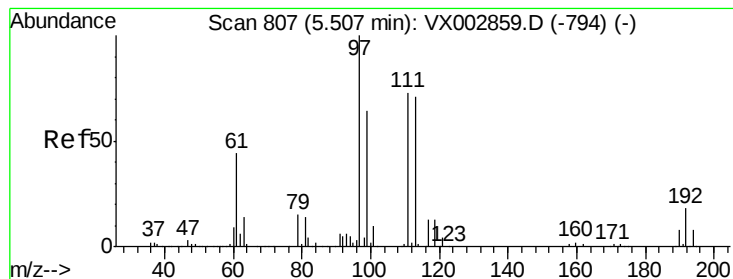
Tot Ion: 65 Resp: 156546
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 114 Resp: 296614
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 56.98 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

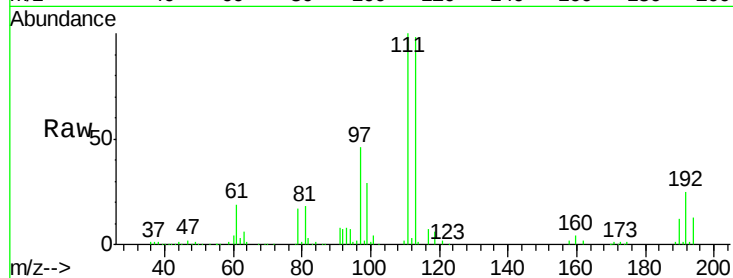
Tot Ion:113 Resp: 133832

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

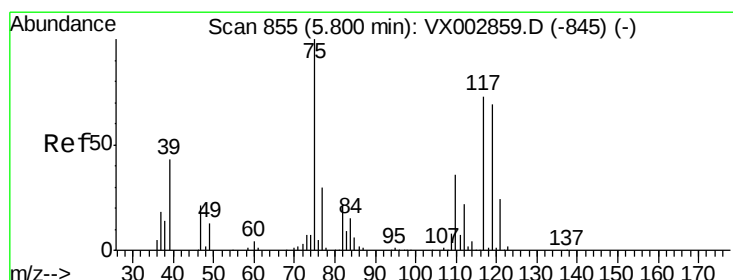
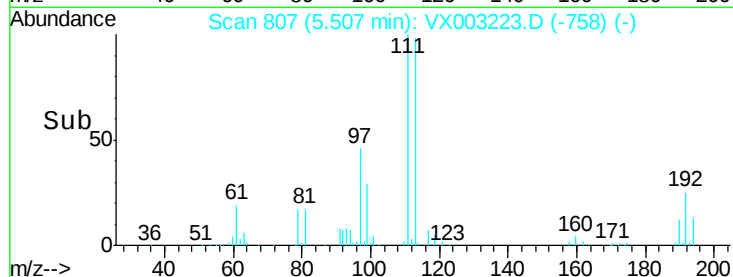
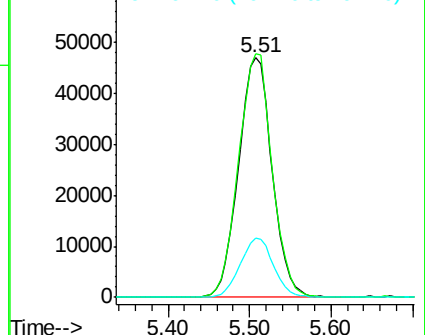
192 24.6 19.1 28.7



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: 18.41 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

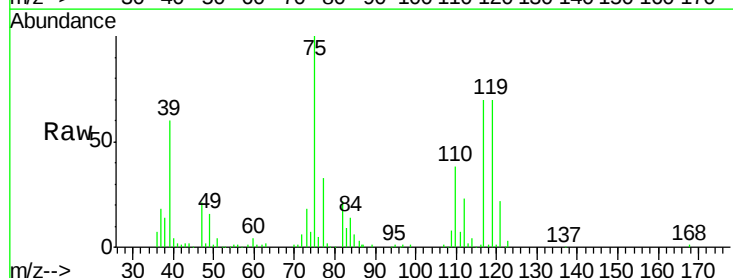
Tgt Ion: 75 Resp: 59870

Ion Ratio Lower Upper

75 100

110 38.0 18.1 54.4

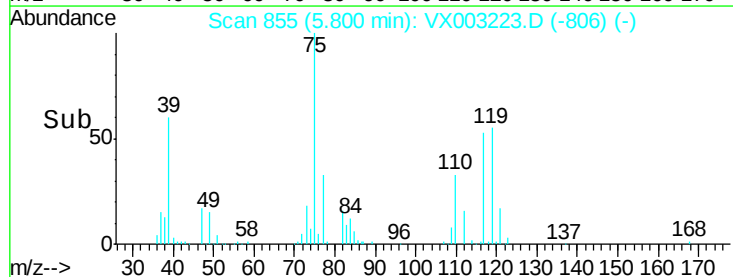
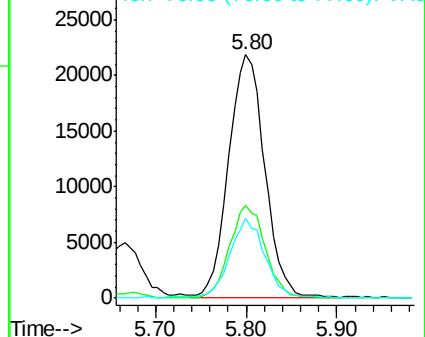
77 32.6 24.3 36.5

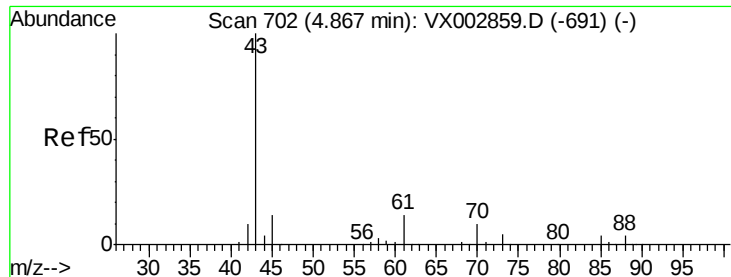


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

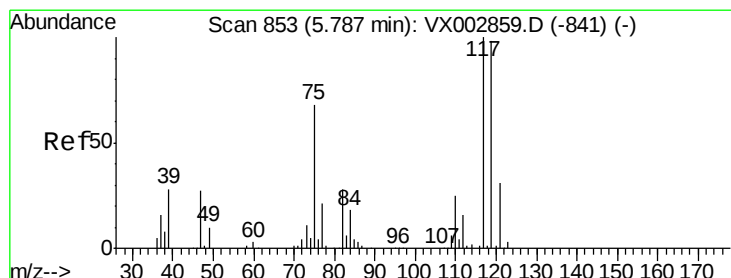
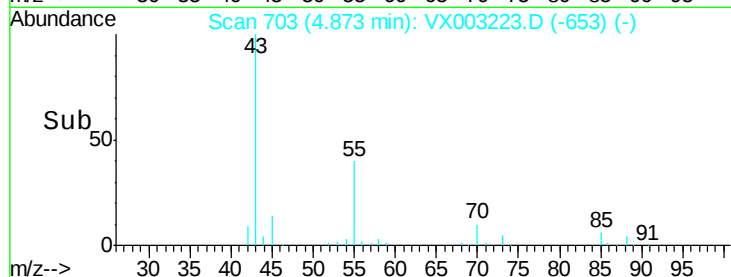
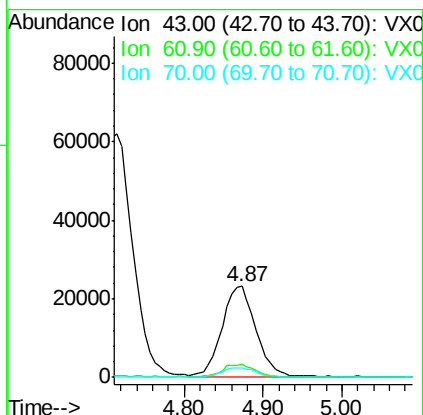
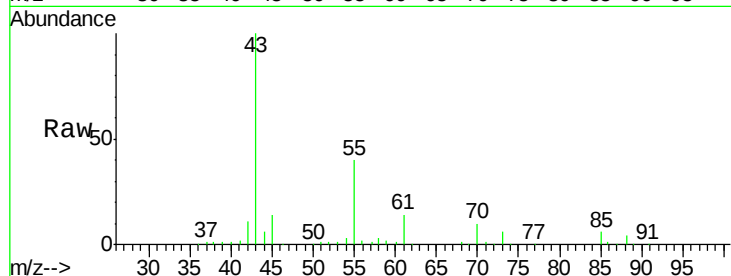




#37
Ethyl Acetate
Concen: 19.60 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

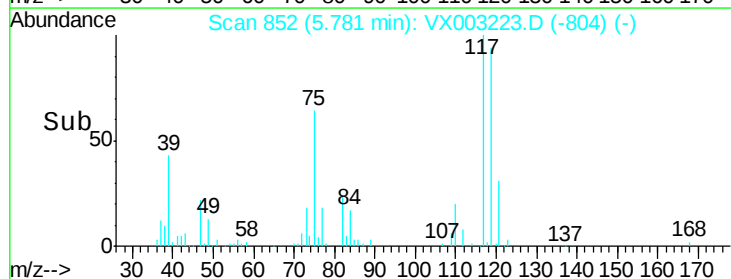
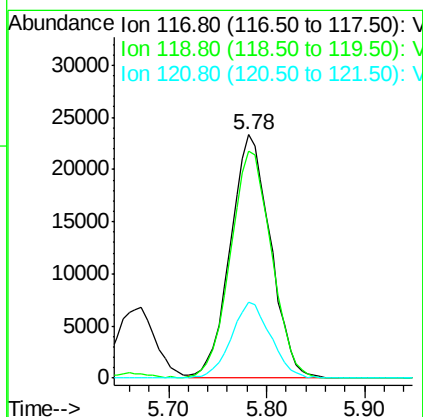
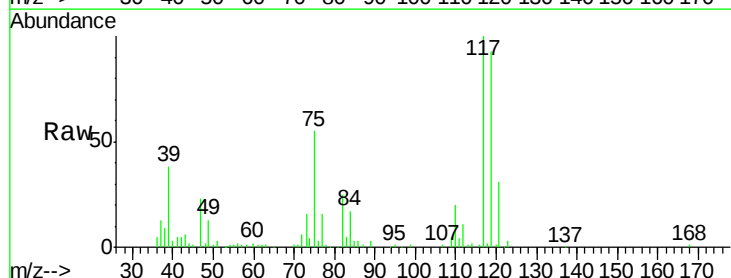
Instrument :
MSVOA_X
ClientSampleId :

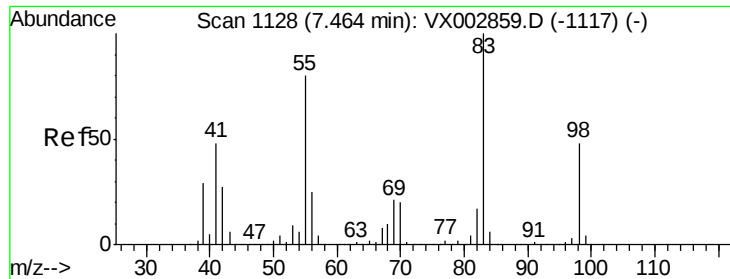
Tot Ion: 43 Resp: 68659
Ion Ratio Lower Upper
43 100
61 14.8 10.4 15.6
70 10.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.60 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 117 Resp: 66376
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.0
121 31.3 24.4 36.6

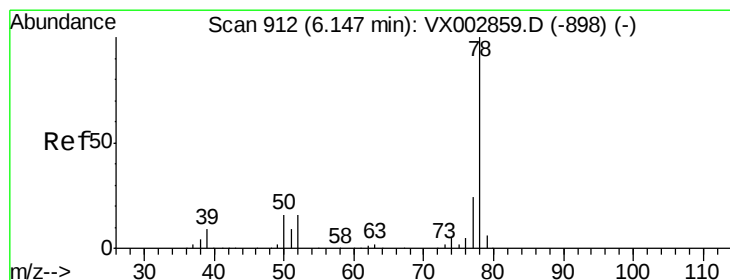
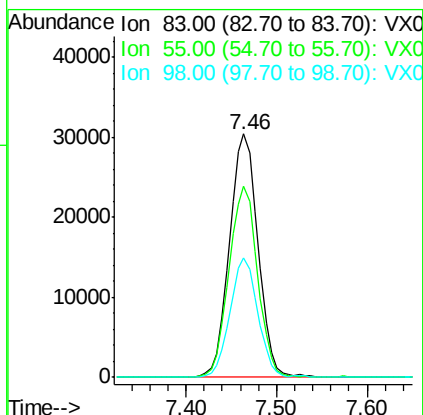
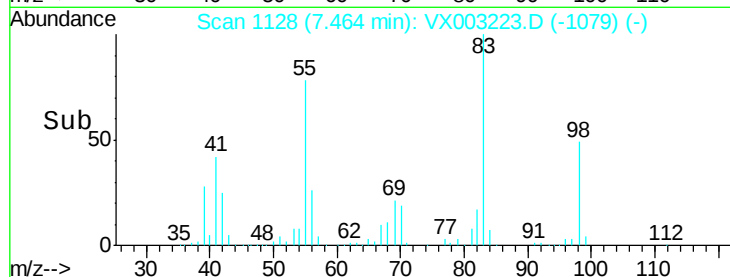
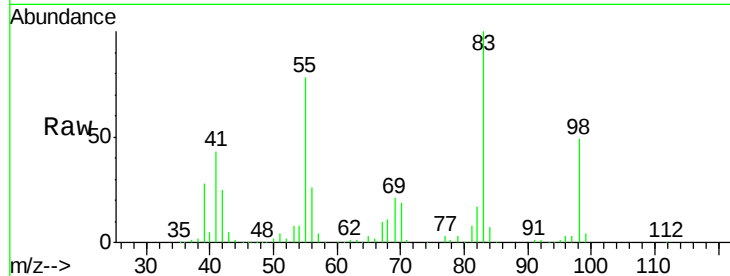




#39
Methvlcvclohexane
Concen: 17.54 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

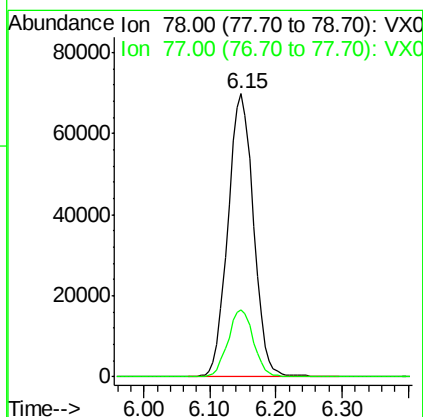
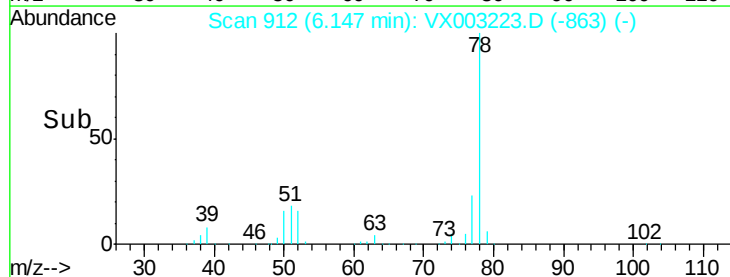
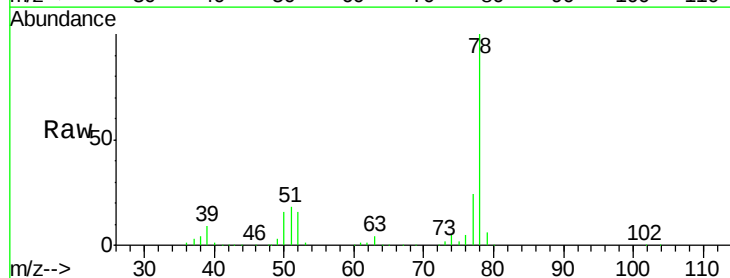
Instrument :
MSVOA_X
ClientSampled :

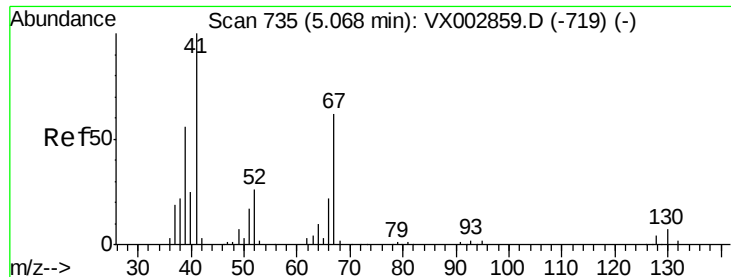
Tot Ion: 83 Resp: 66444
Ion Ratio Lower Upper
83 100
55 78.3 65.4 98.0
98 48.9 37.4 56.0



#40
Benzene
Concen: 19.79 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 78 Resp: 187011
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





#41

Methacrylonitrile

Concen: 19.35 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 39024

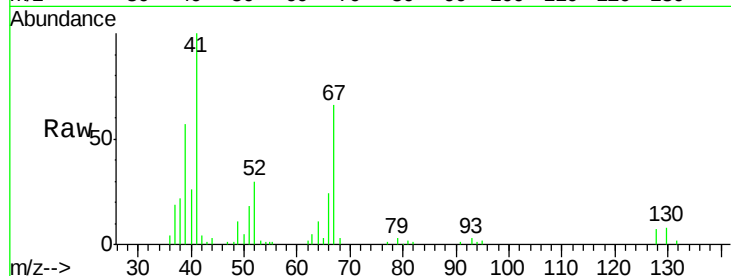
Ion Ratio Lower Upper

41 100

39 55.2 45.8 68.6

67 68.5 51.3 76.9

52 30.1 23.0 34.6

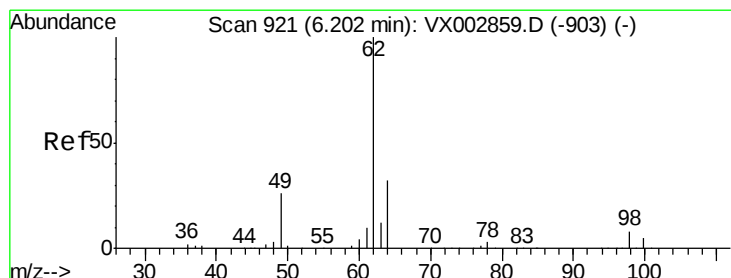
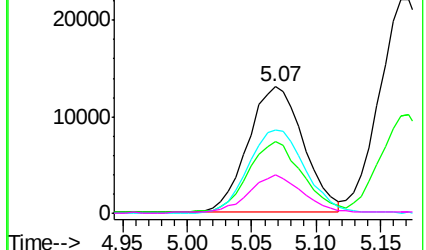
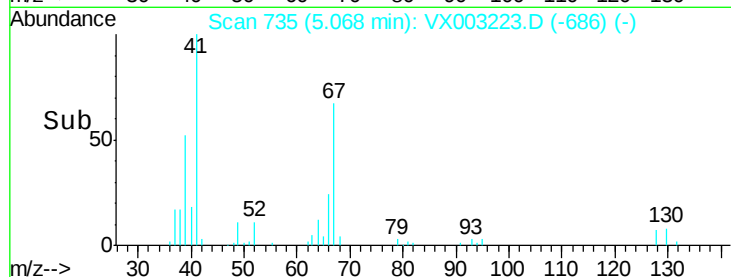


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.22 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003223.D

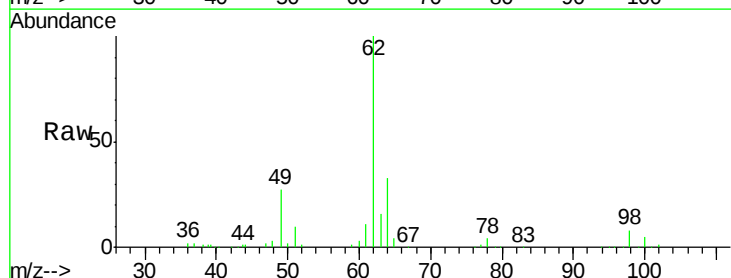
Acq: 06 Jul 2018 20:13

Tgt Ion: 62 Resp: 69564

Ion Ratio Lower Upper

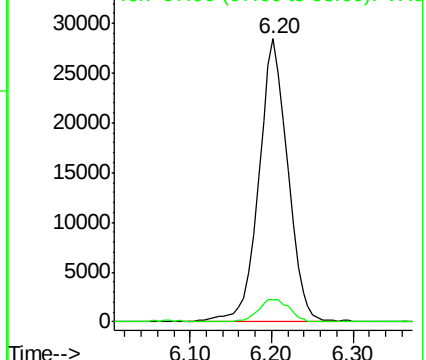
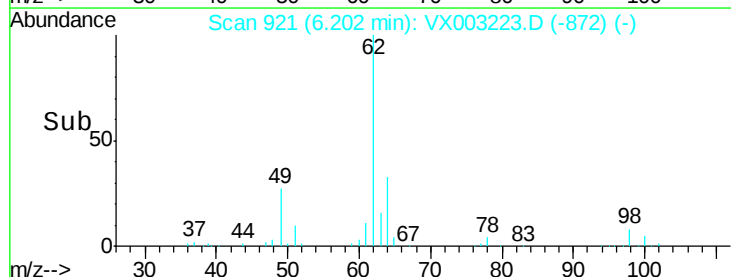
62 100

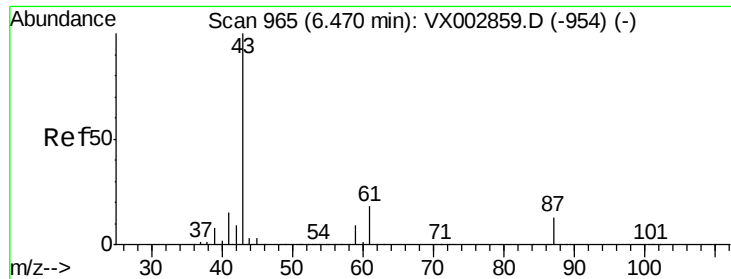
98 8.9 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



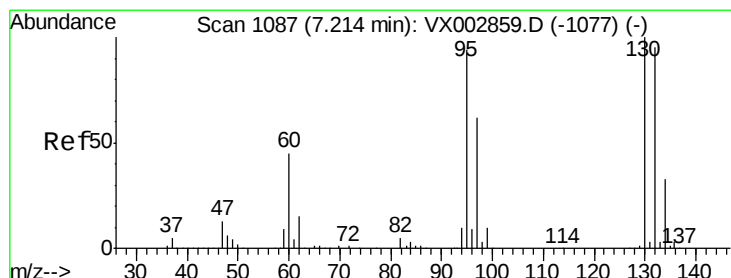
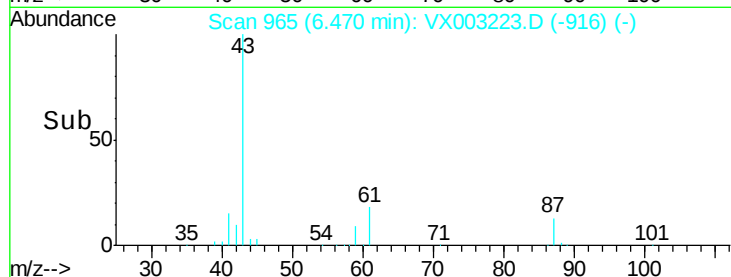
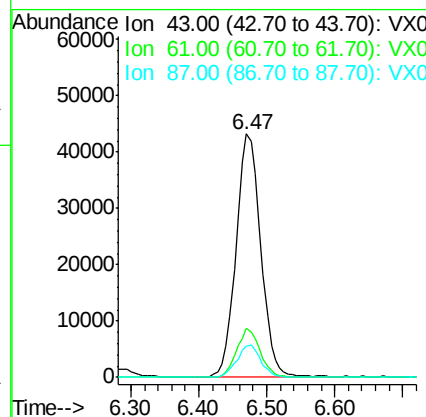
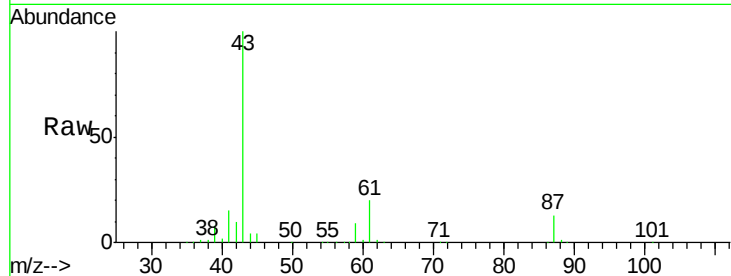


#43

Isopropyl Acetate
 Concen: 18.49 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampled :

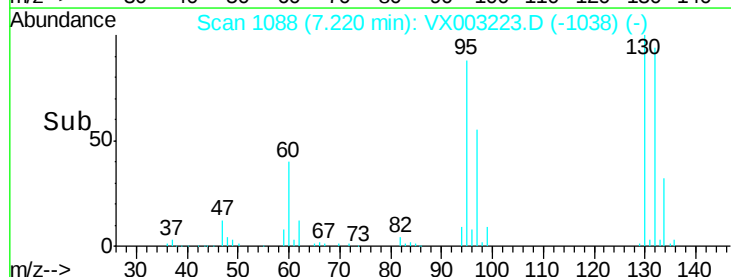
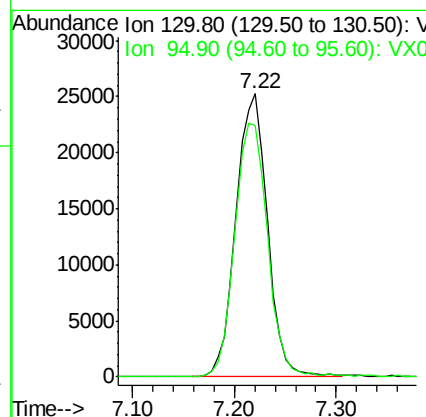
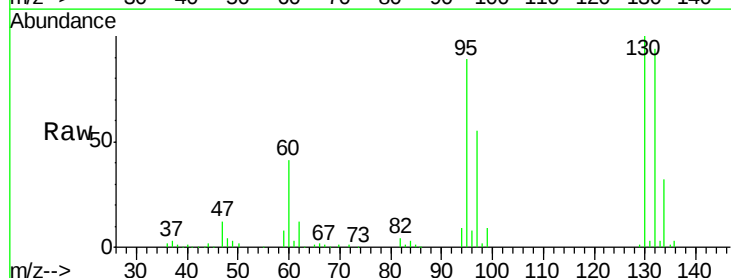
Tot Ion: 43 Resp: 108630
 Ion Ratio Lower Upper
 43 100
 61 19.3 14.4 21.6
 87 13.0 9.5 14.3

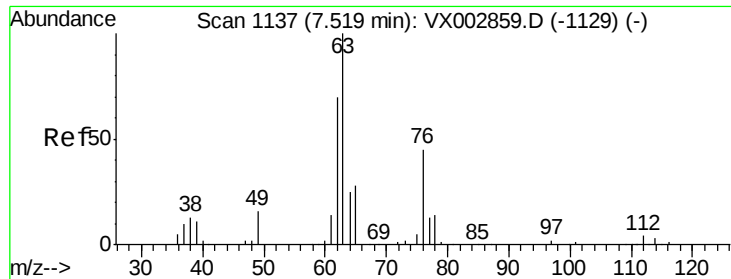


#44

Trichloroethene
 Concen: 19.21 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 130 Resp: 54135
 Ion Ratio Lower Upper
 130 100
 95 88.7 0.0 185.4

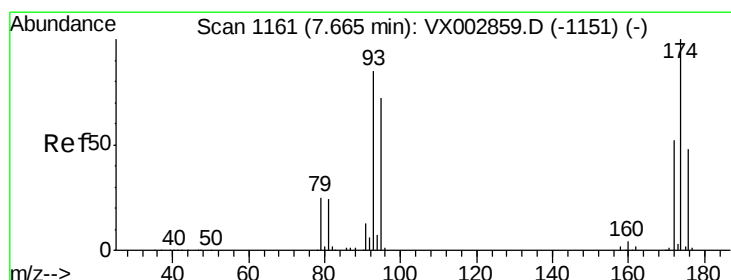
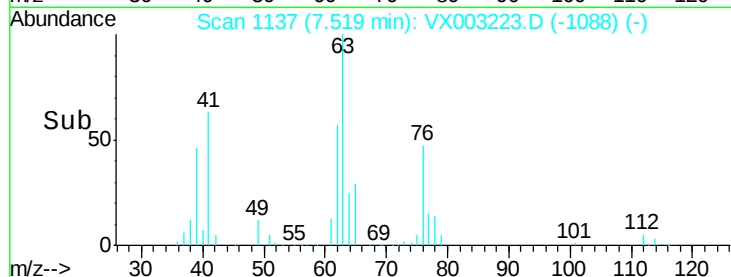
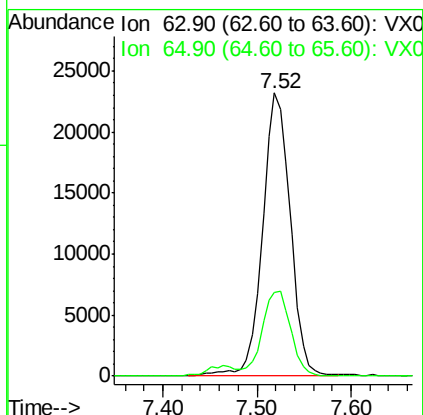
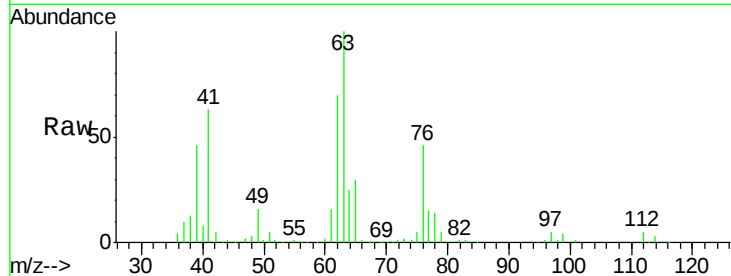




#45
1,2-Dichloropropane
Concen: 19.18 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

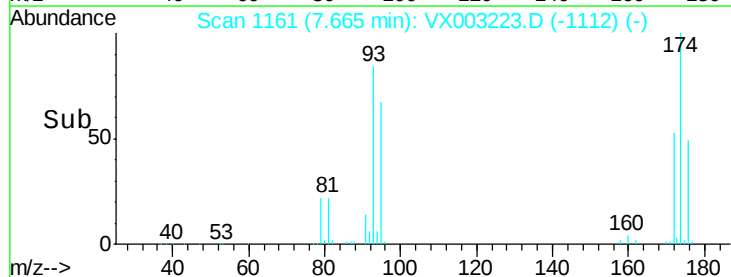
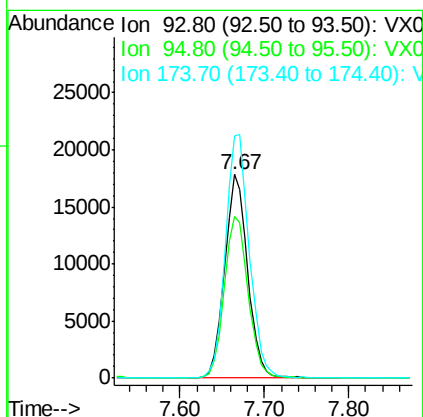
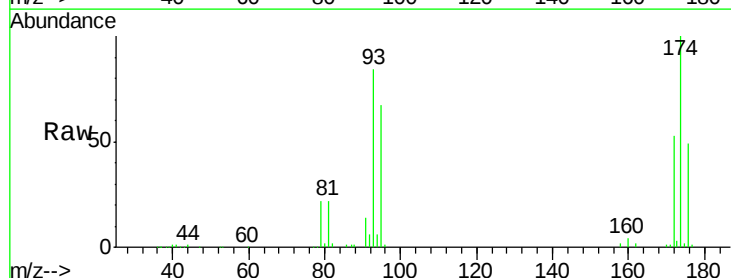
Instrument :
MSVOA_X
ClientSampleId :

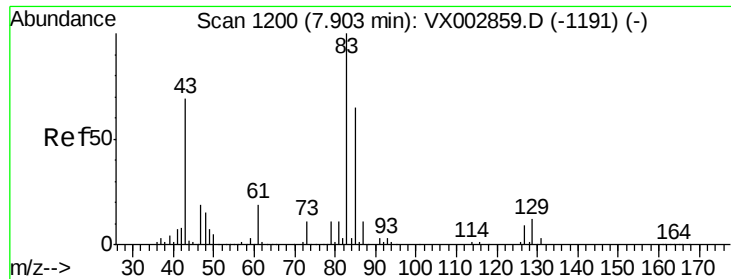
Tot Ion: 63 Resp: 48080
Ion Ratio Lower Upper
63 100
65 29.4 24.7 37.1



#46
Dibromomethane
Concen: 19.24 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 93 Resp: 33481
Ion Ratio Lower Upper
93 100
95 82.3 65.9 98.9
174 123.3 92.4 138.6





#47

Bromodichloromethane

Concen: 19.05 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :

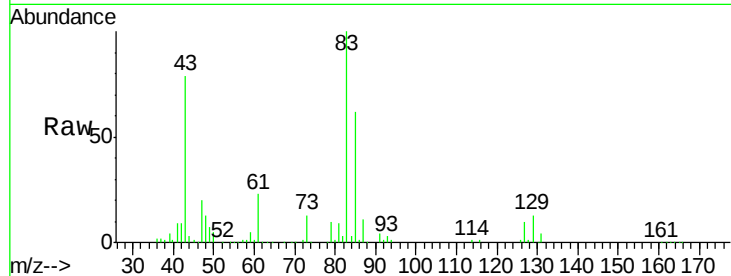
Tot Ion: 83 Resp: 61273

Ion Ratio Lower Upper

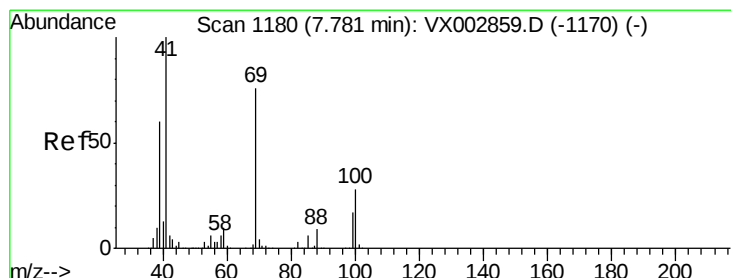
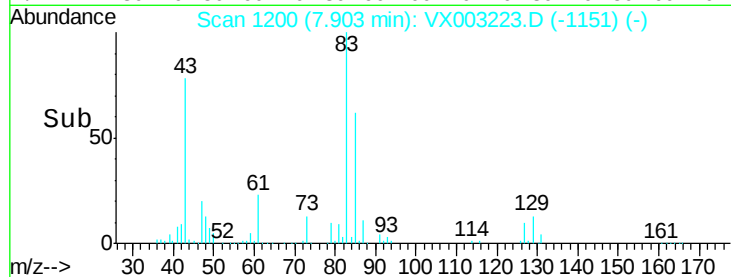
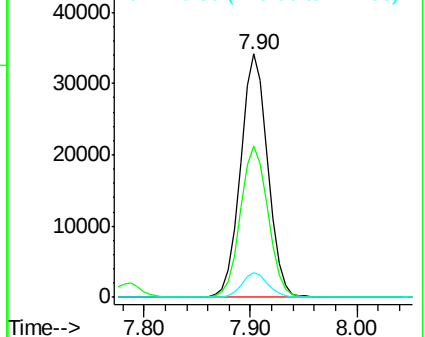
83 100

85 62.4 50.3 75.5

127 9.9 7.0 10.4



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: 17.98 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

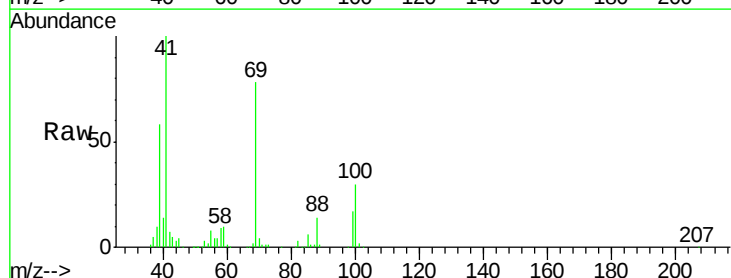
Tgt Ion: 41 Resp: 54425

Ion Ratio Lower Upper

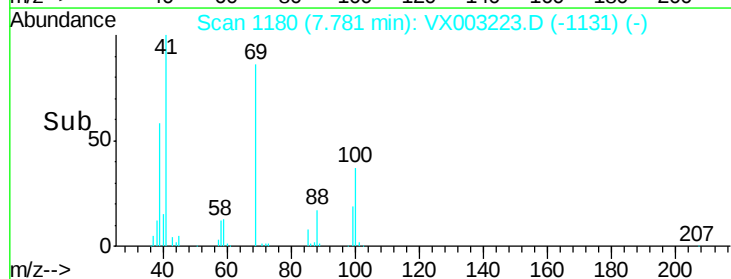
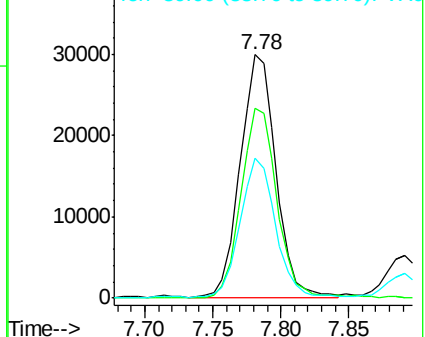
41 100

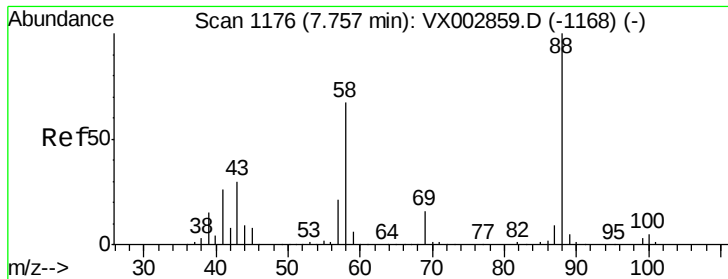
69 79.7 59.1 88.7

39 57.3 48.9 73.3



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

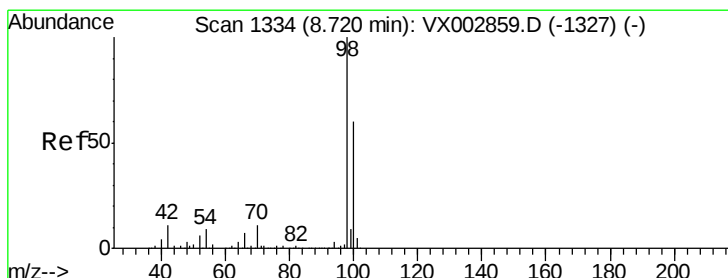
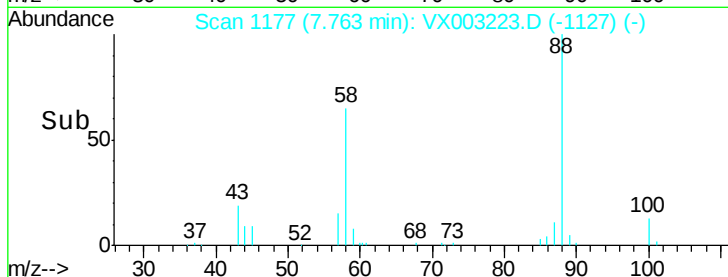
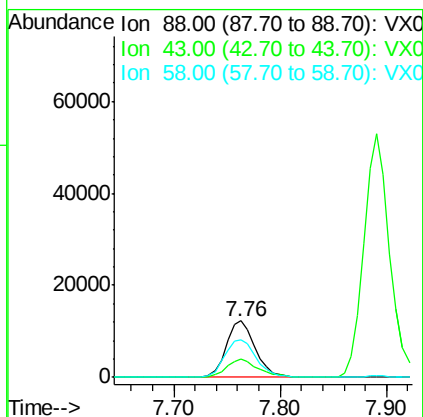
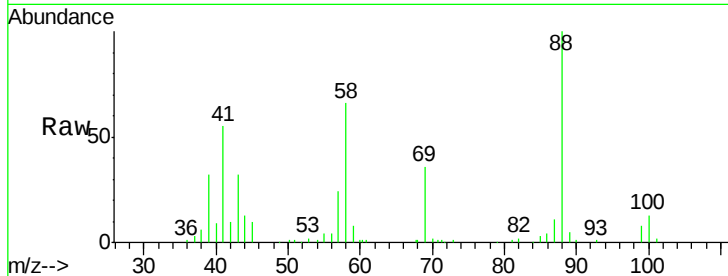




#49
1,4-Dioxane
Concen: 401.63 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

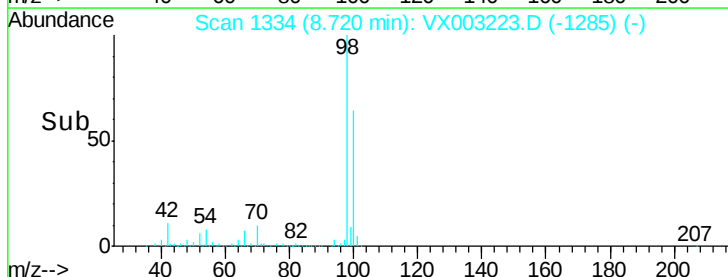
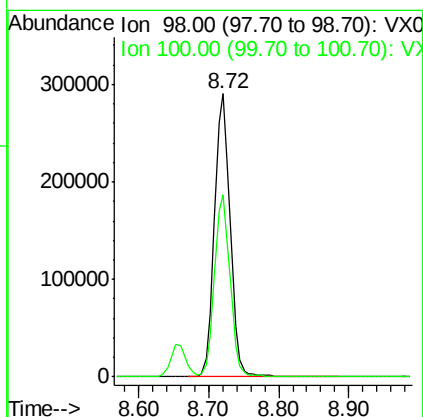
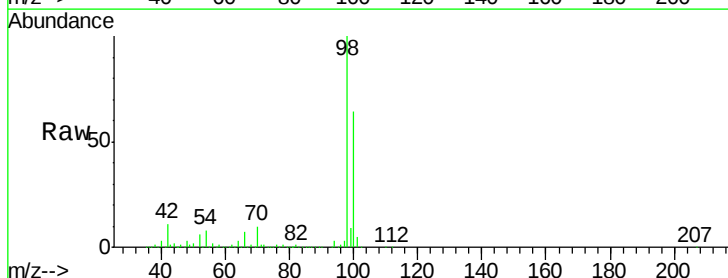
Instrument :
MSVOA_X
ClientSampleId :

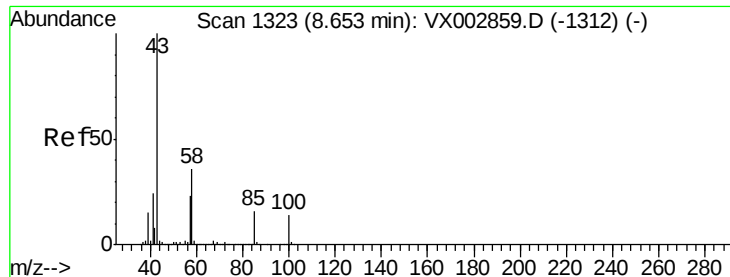
Tot Ion: 88 Resp: 23649
Ion Ratio Lower Upper
88 100
43 35.4 29.8 44.6
58 69.9 57.1 85.7



#50
Toluene-d8
Concen: 52.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 98 Resp: 451614
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 96.57 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

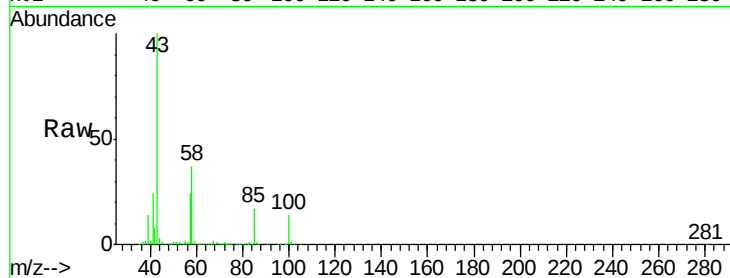
ClientSampleId :

Tot Ion: 43 Resp: 354890

Ion Ratio Lower Upper

43 100

58 36.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

250000

200000

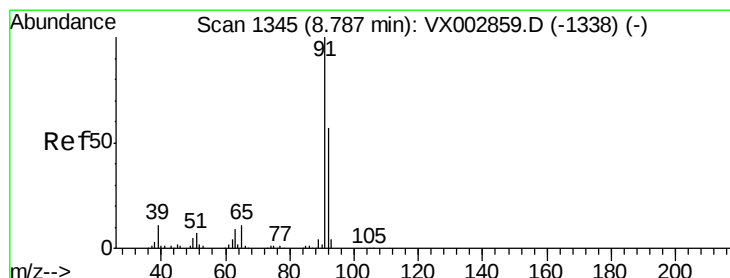
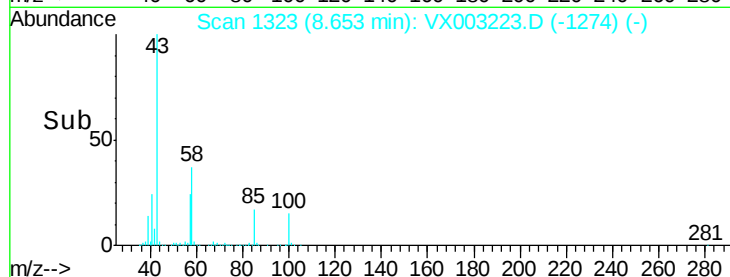
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.50 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003223.D

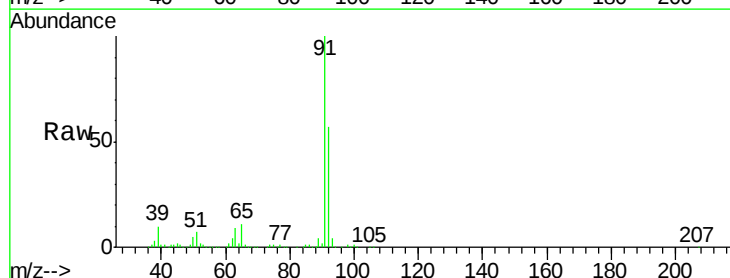
Acq: 06 Jul 2018 20:13

Tgt Ion: 92 Resp: 118058

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

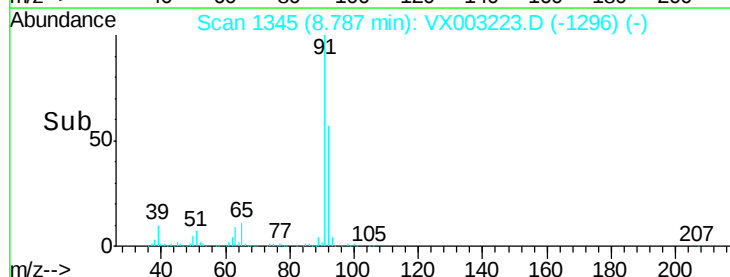
150000

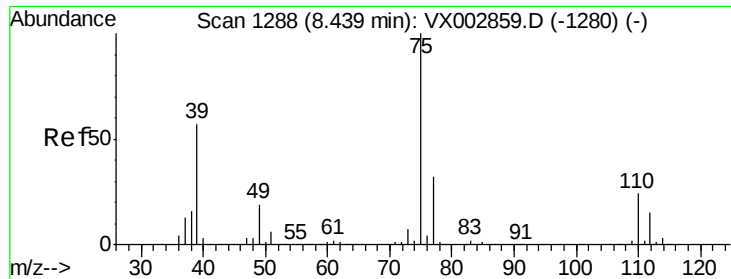
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

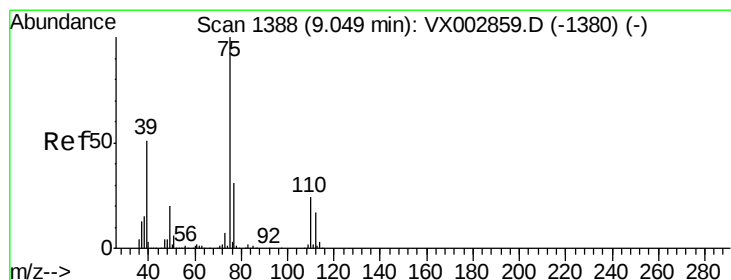
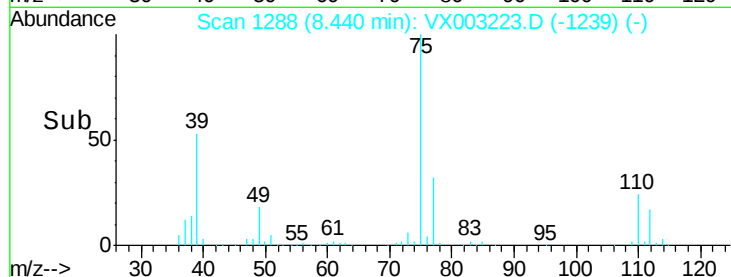
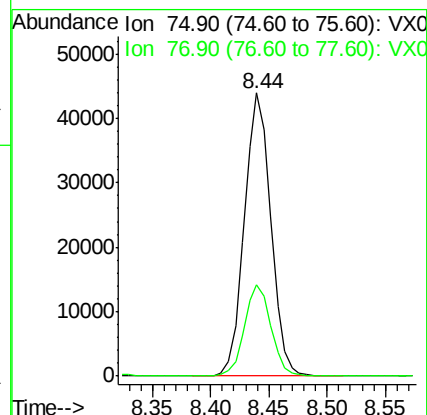
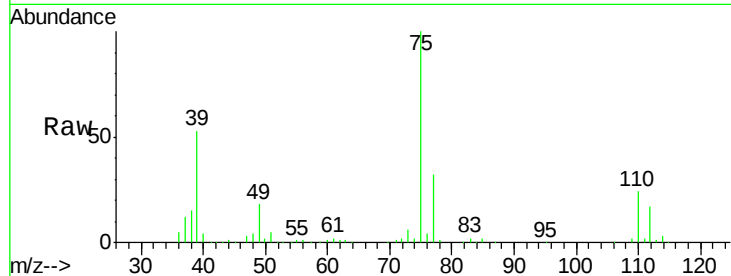
ClientSampleId :

Tot Ion: 75 Resp: 69898

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.96 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

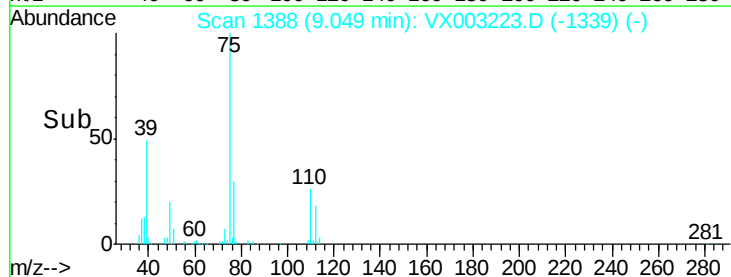
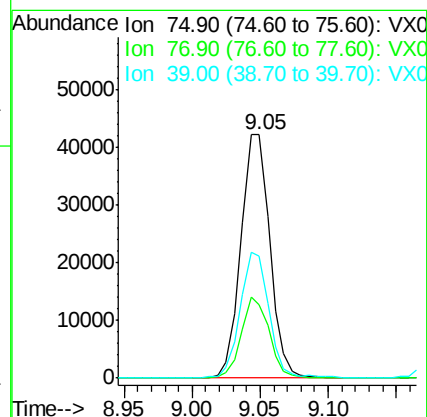
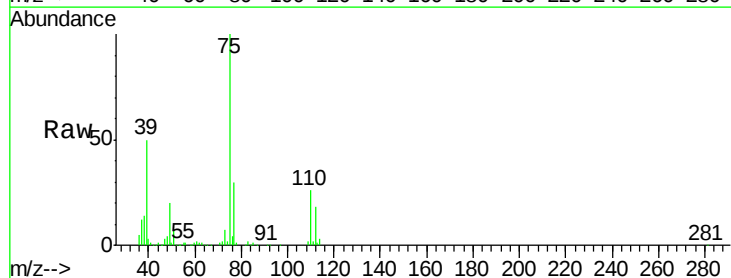
Tgt Ion: 75 Resp: 62936

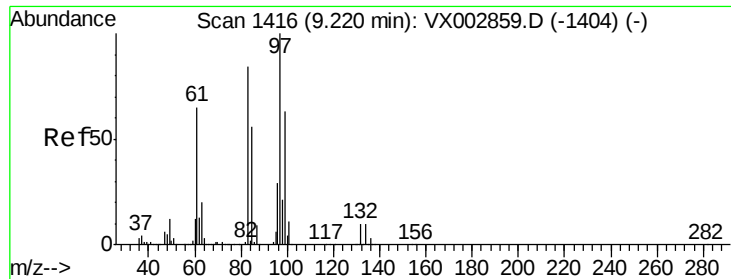
Ion Ratio Lower Upper

75 100

77 30.1 24.8 37.2

39 49.7 42.4 63.6

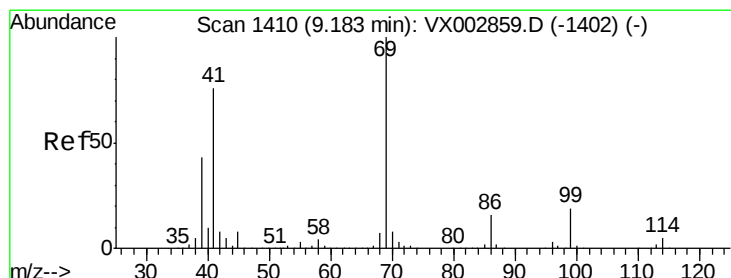
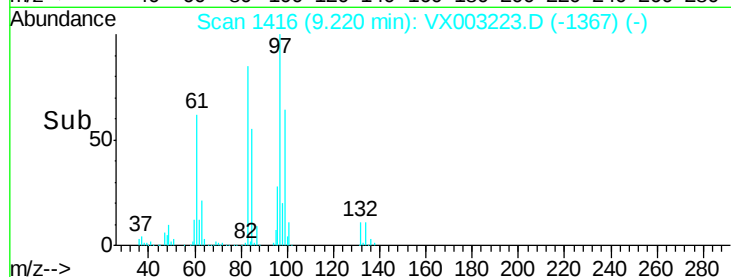
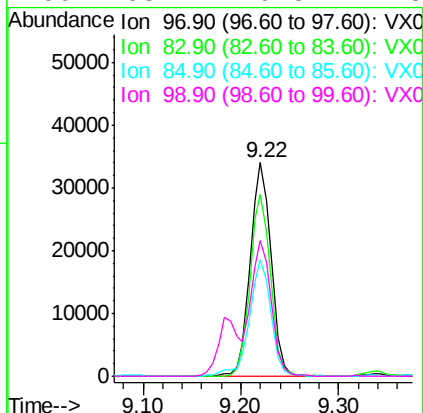
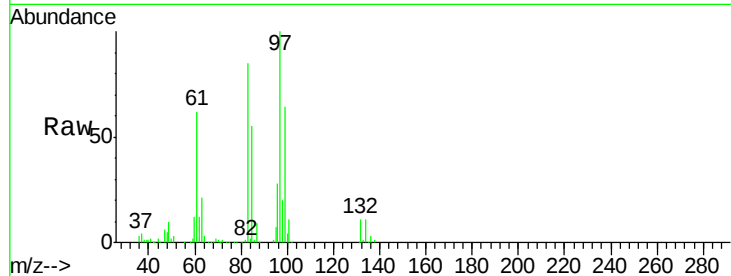




#55
 1,1,2-Trichloroethane
 Concen: 20.23 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

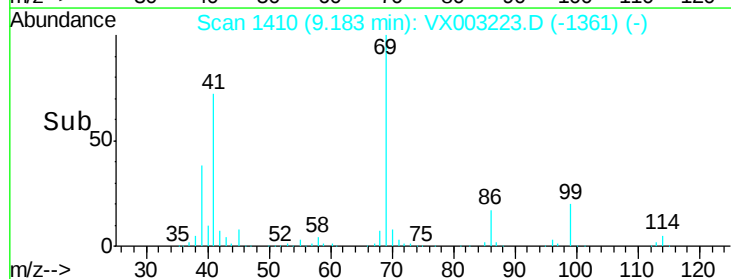
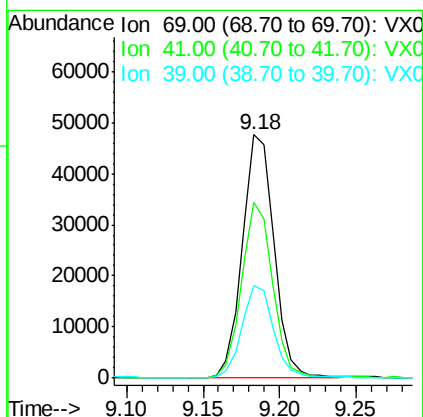
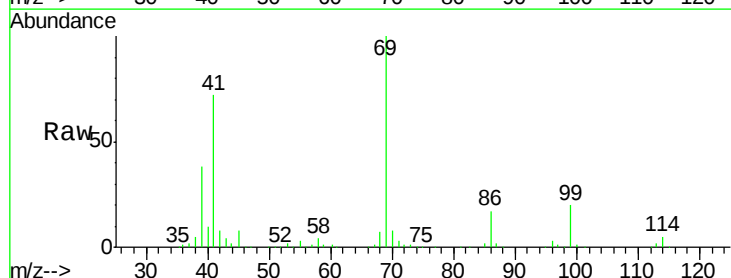
Instrument :
 MSVOA_X
 ClientSampled :

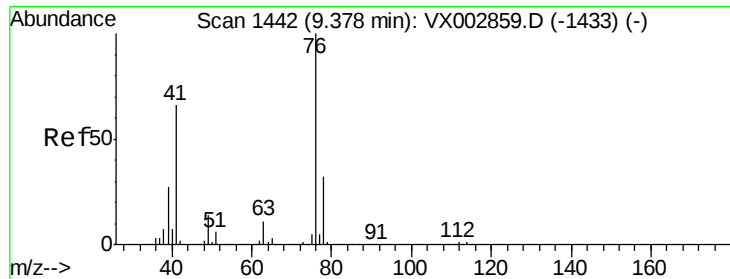
Tot Ion: 97 Resp: 50341
 Ion Ratio Lower Upper
 97 100
 83 85.2 70.2 105.2
 85 54.7 44.9 67.3
 99 63.7 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 18.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 69 Resp: 68779
 Ion Ratio Lower Upper
 69 100
 41 69.9 60.3 90.5
 39 38.0 35.8 53.8

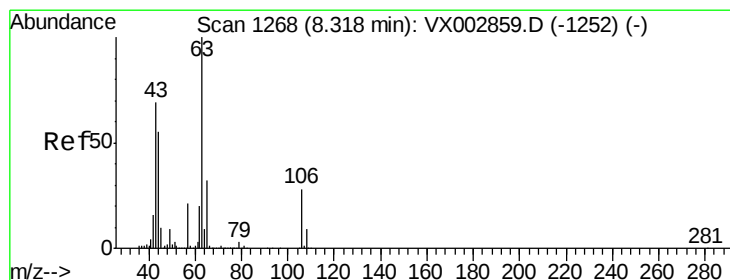
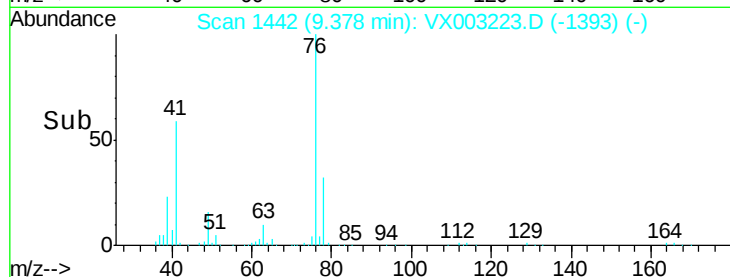
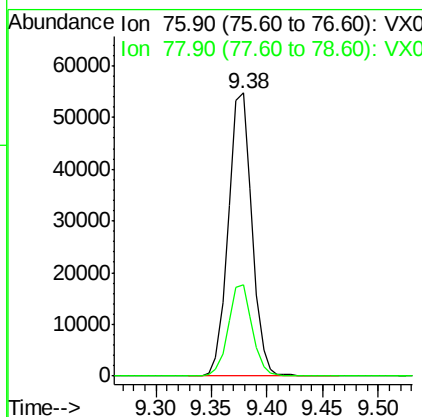
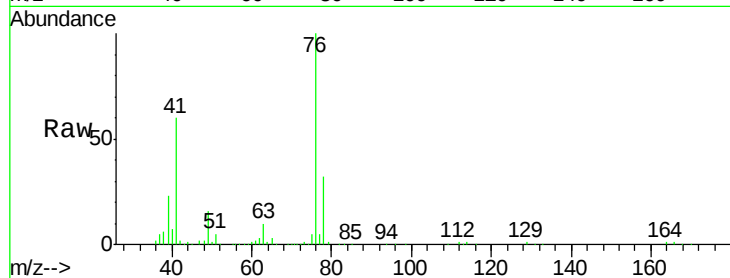




#57
 1,3-Dichloropropane
 Concen: 19.67 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

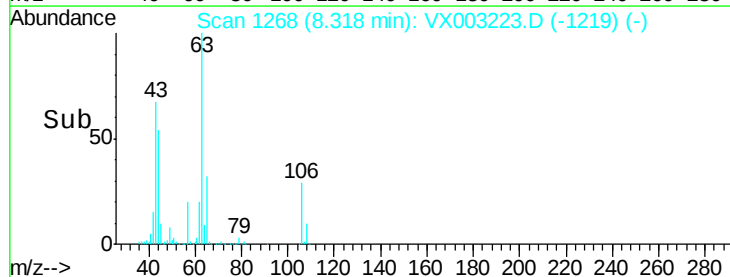
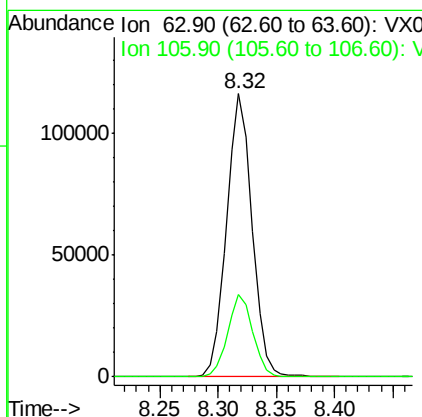
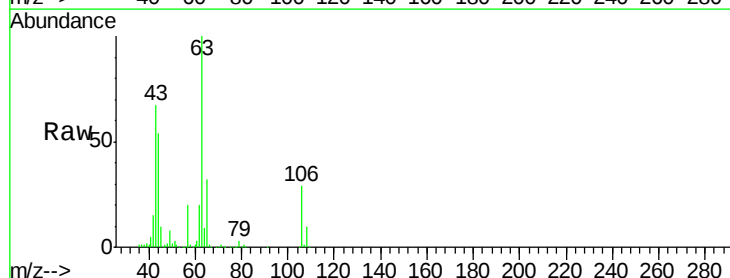
Instrument :
 MSVOA_X
 ClientSampled :

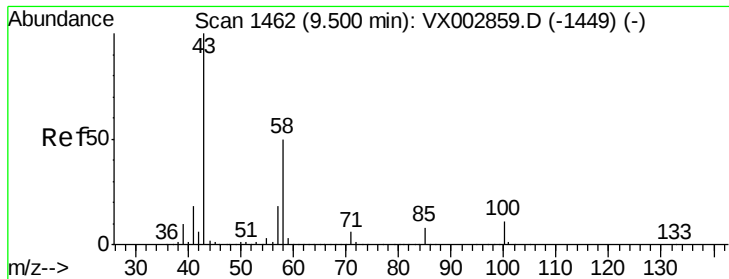
Tot Ion: 76 Resp: 80377
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.14 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 63 Resp: 177414
 Ion Ratio Lower Upper
 63 100
 106 28.9 21.8 32.8

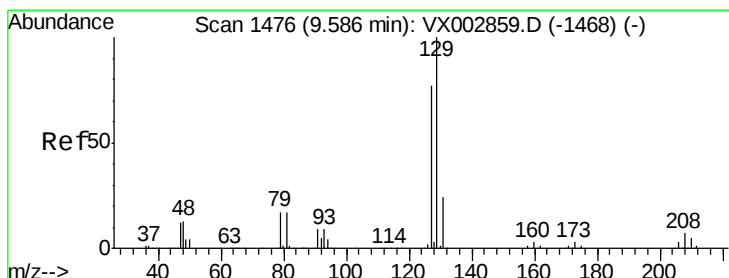
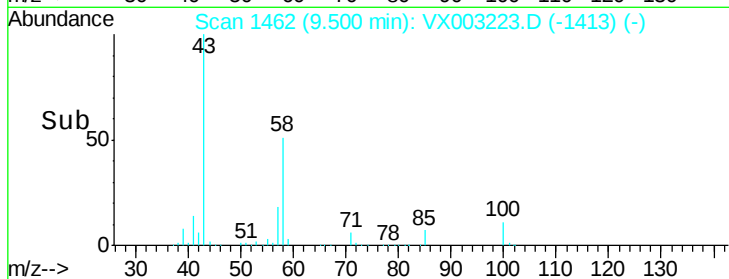
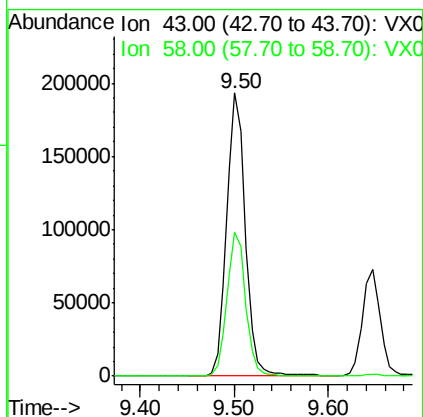
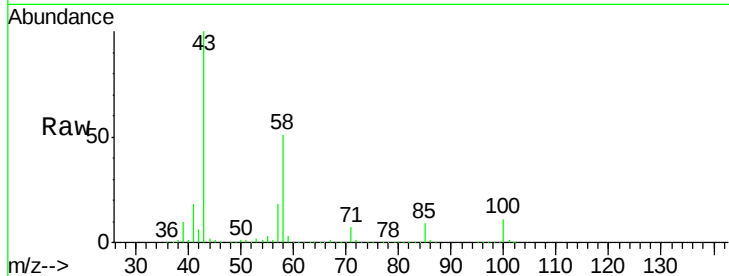




#59
2-Hexanone
Concen: 95.38 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

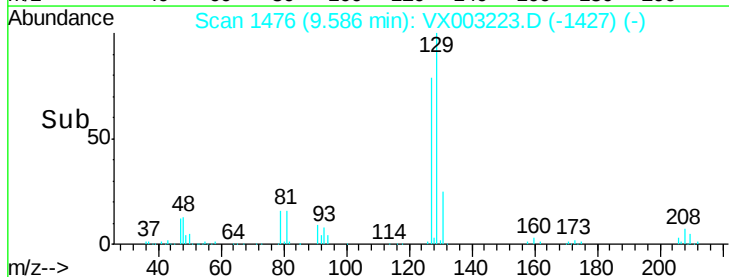
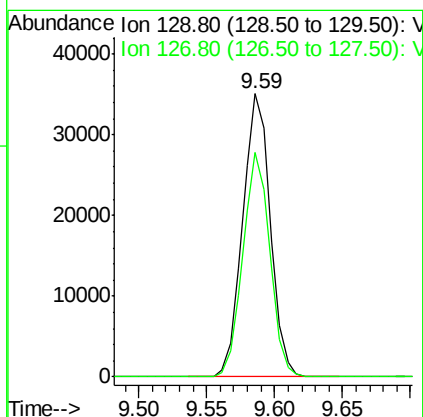
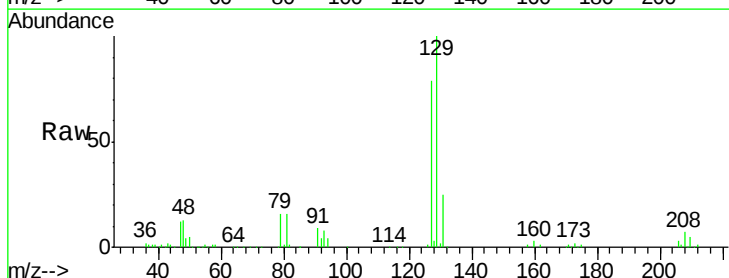
Instrument :
MSVOA_X
ClientSampled :

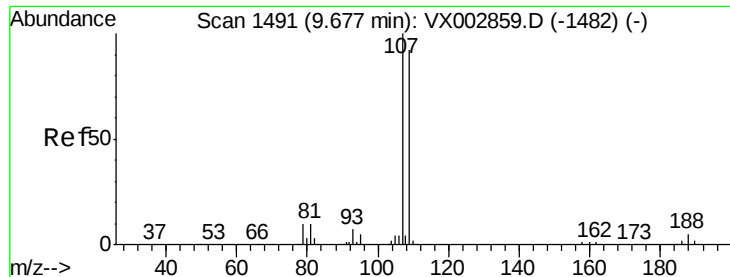
Tot Ion: 43 Resp: 266392
Ion Ratio Lower Upper
43 100
58 51.2 24.6 73.6



#60
Dibromochloromethane
Concen: 19.01 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion:129 Resp: 49781
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.69 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

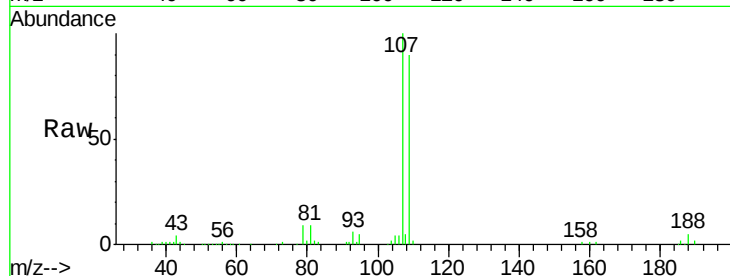
ClientSampleId :

Tot Ion:107 Resp: 51380

Ion Ratio Lower Upper

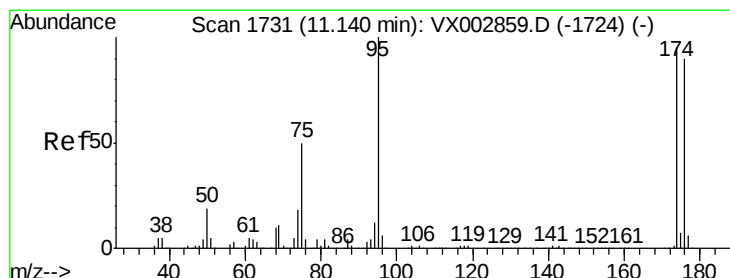
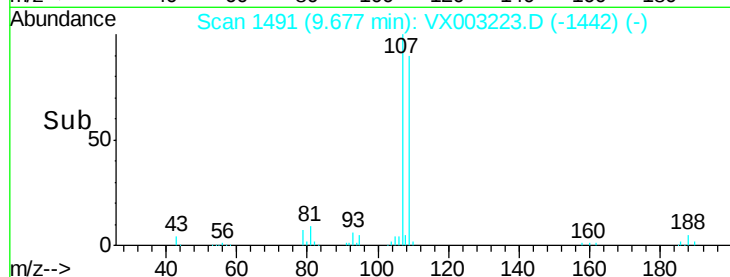
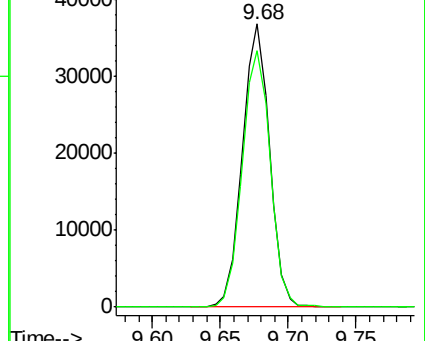
107 100

109 93.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

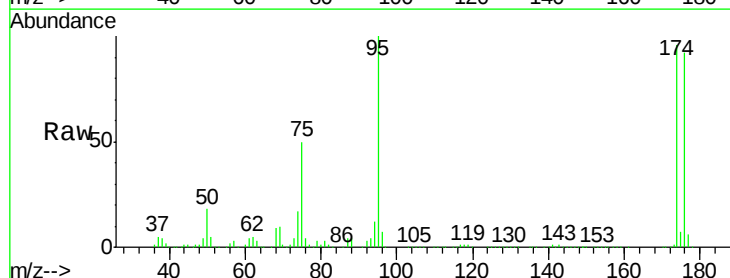
Tgt Ion: 95 Resp: 177104

Ion Ratio Lower Upper

95 100

174 98.1 0.0 187.4

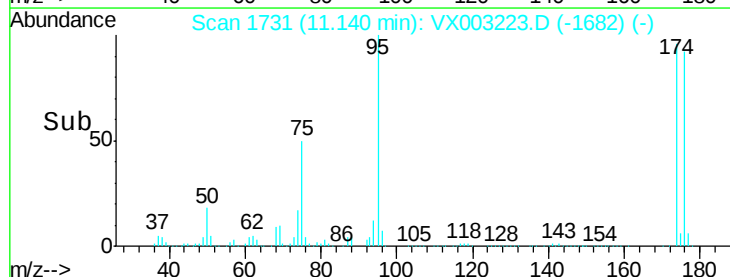
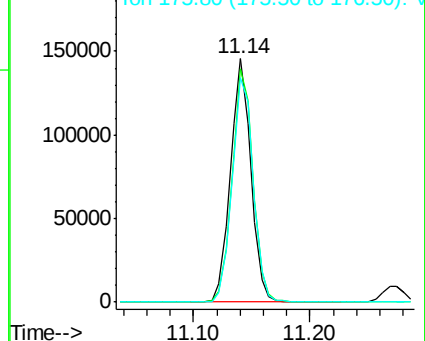
176 95.7 0.0 181.0

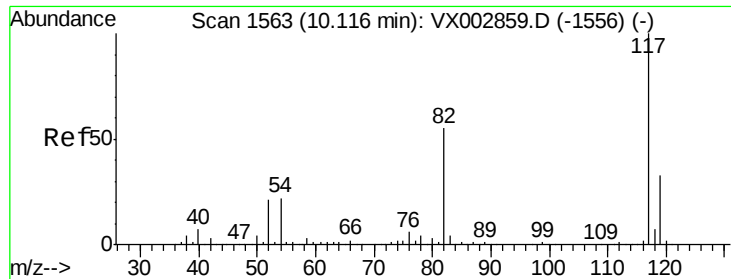


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

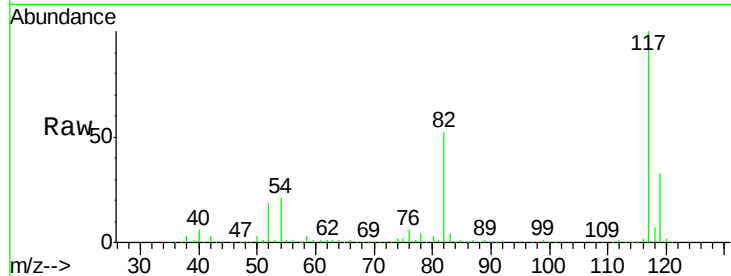




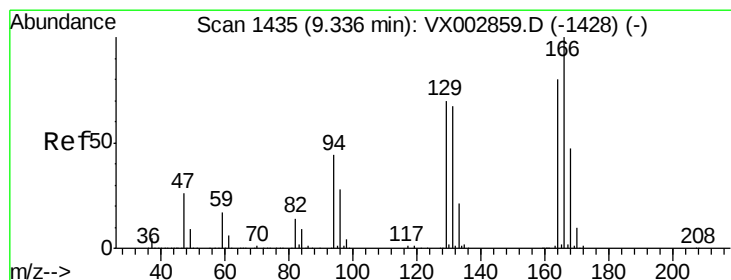
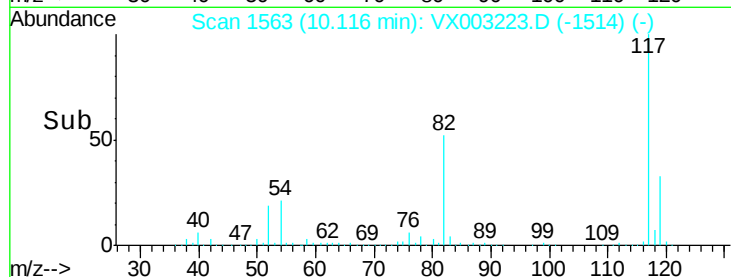
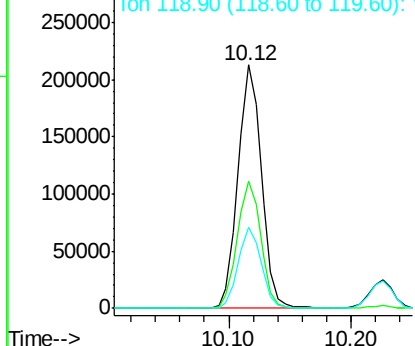
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 282553
Ion Ratio Lower Upper
117 100
82 52.5 45.0 67.4
119 33.1 25.8 38.6

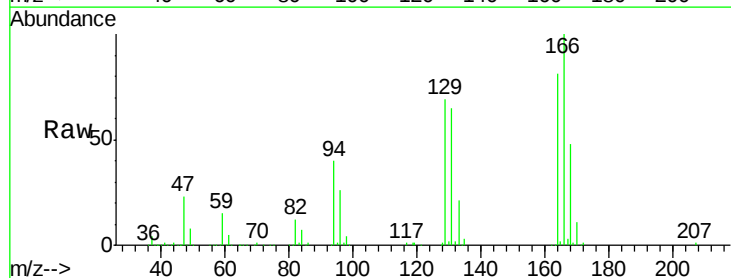


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

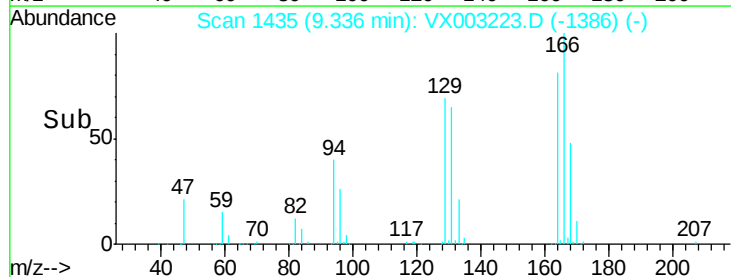
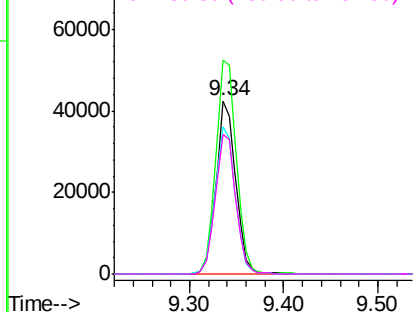


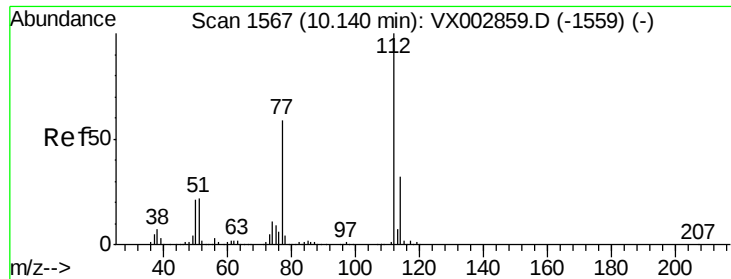
#64
Tetrachloroethene
Concen: 19.51 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion:164 Resp: 61294
Ion Ratio Lower Upper
164 100
166 123.2 102.9 154.3
129 85.1 68.6 102.8
131 80.4 66.8 100.2



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: 19.12 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

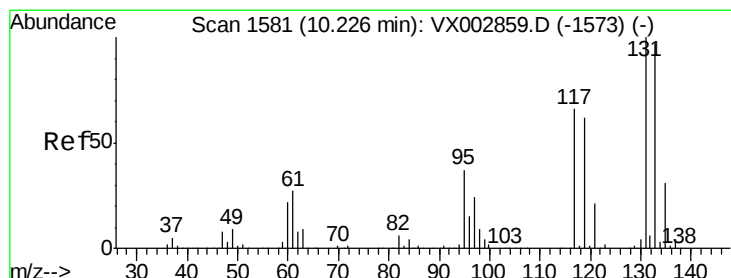
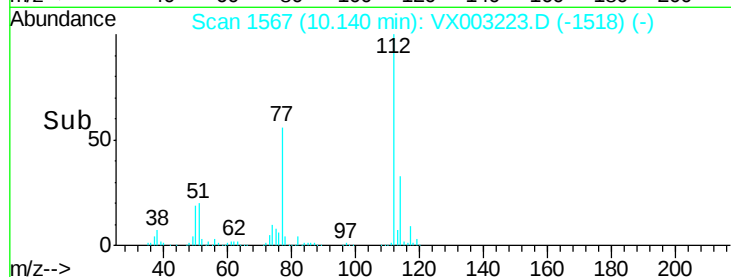
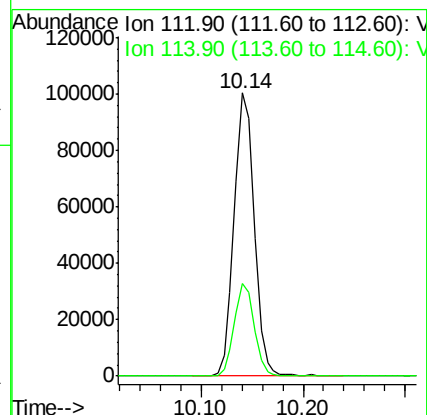
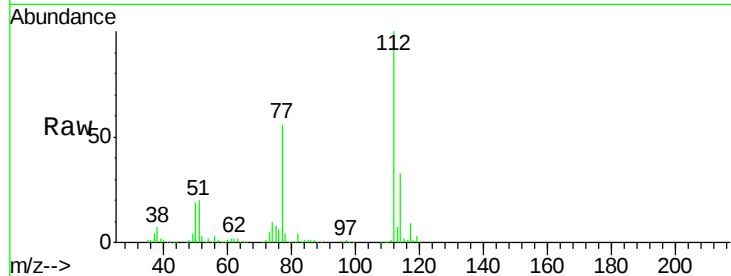
ClientSampled :

Tot Ion:112 Resp: 137230

Ion Ratio Lower Upper

112 100

114 32.6 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.09 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

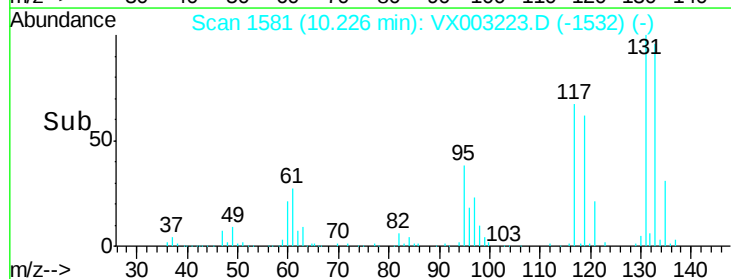
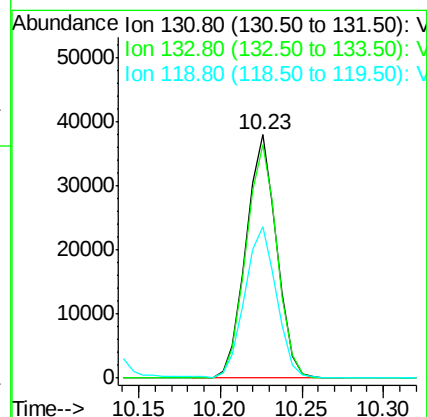
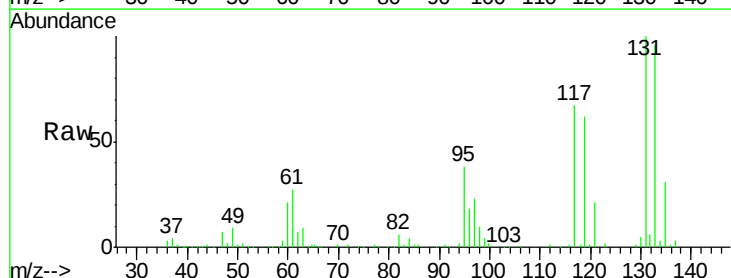
Tgt Ion:131 Resp: 49762

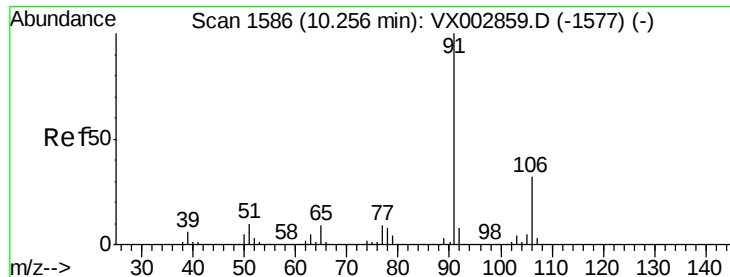
Ion Ratio Lower Upper

131 100

133 96.9 47.9 143.6

119 64.4 31.8 95.3

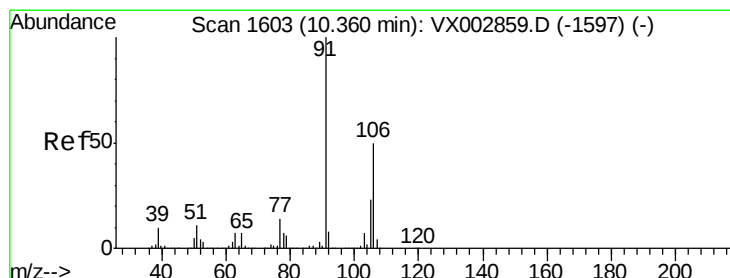
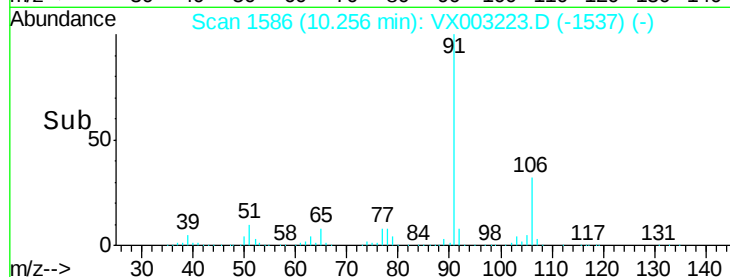
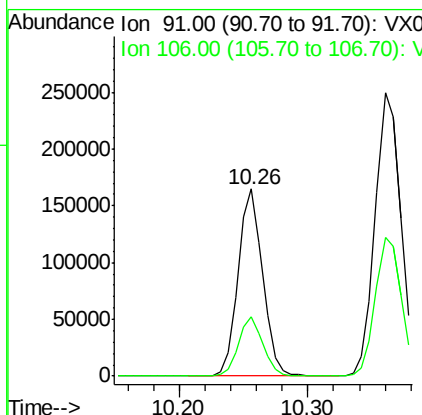
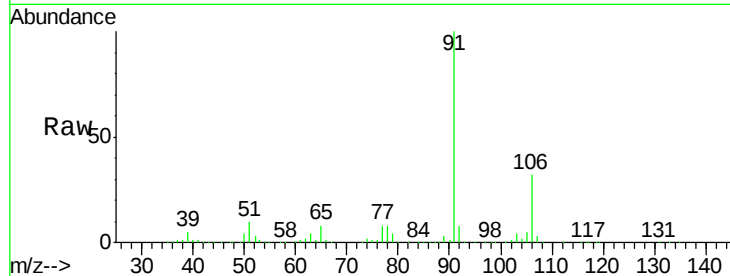




#67
Ethyl Benzene
Concen: 18.42 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

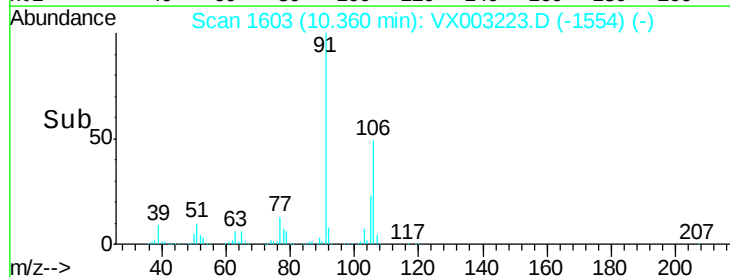
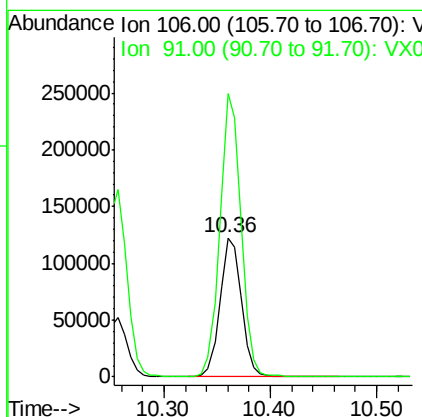
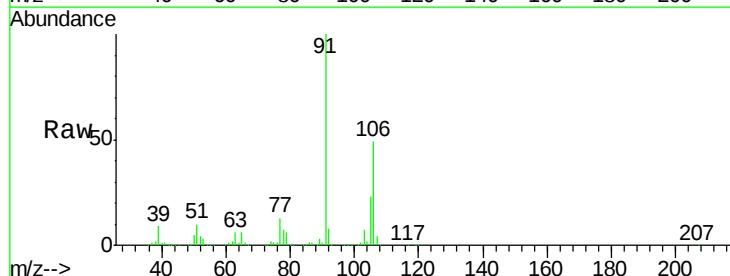
Instrument :
MSVOA_X
ClientSampled :

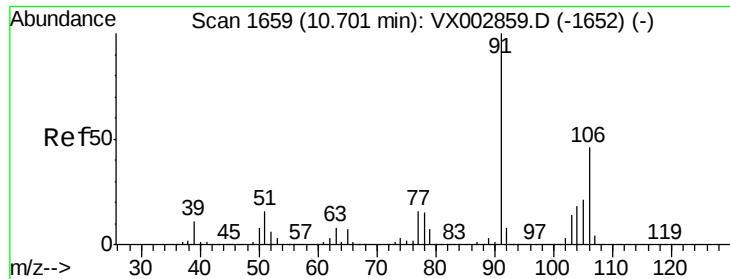
Tot Ion: 91 Resp: 218392
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 37.42 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 106 Resp: 170988
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.2

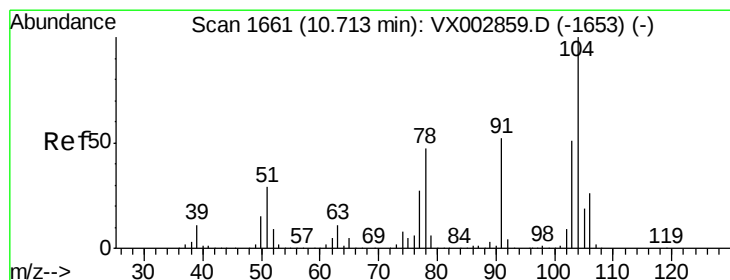
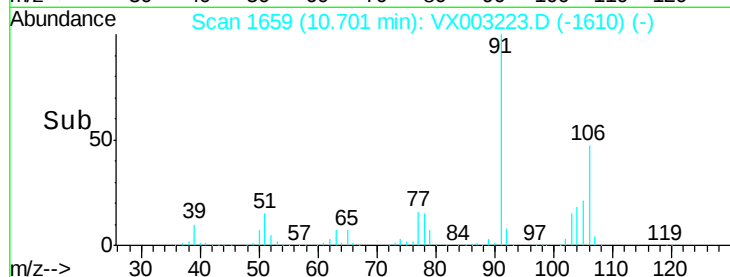
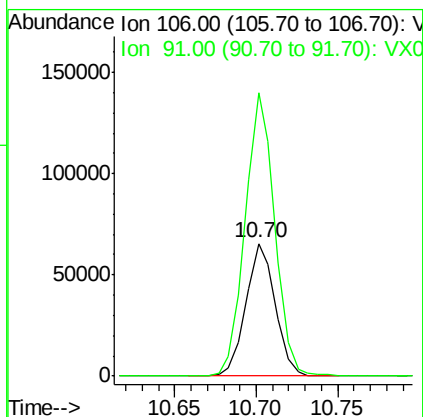
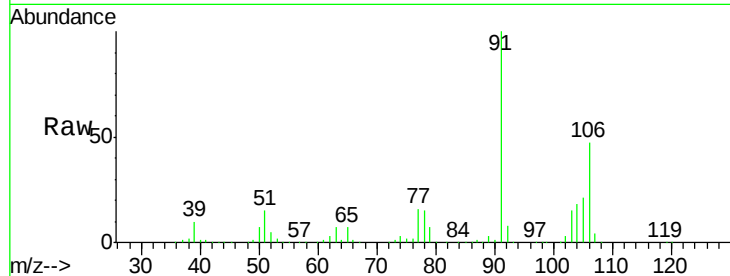




#69
o-Xylene
Concen: 18.53 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

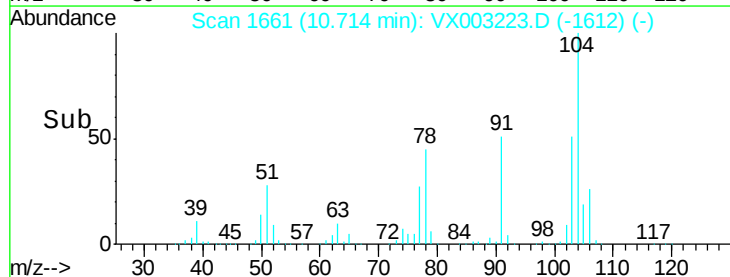
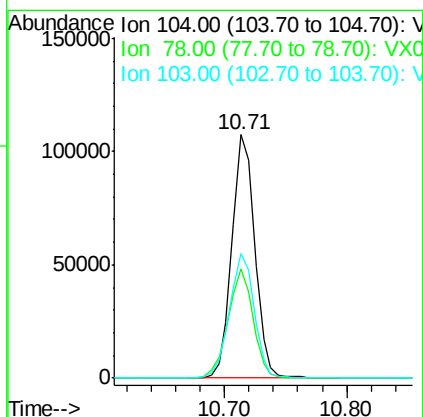
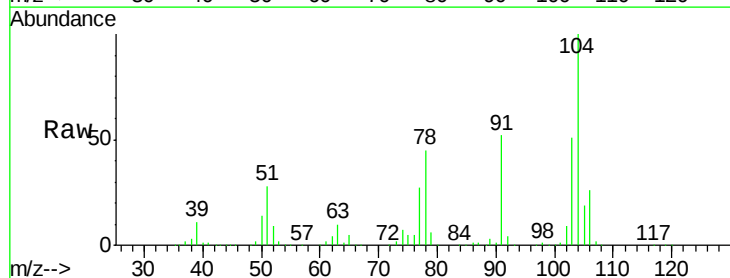
Instrument :
MSVOA_X
ClientSampled :

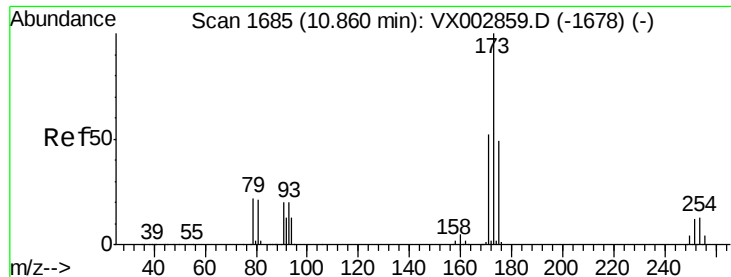
Tot Ion:106 Resp: 82452
Ion Ratio Lower Upper
106 100
91 215.0 108.2 324.6



#70
Styrene
Concen: 19.24 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion:104 Resp: 139067
Ion Ratio Lower Upper
104 100
78 49.2 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 19.15 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

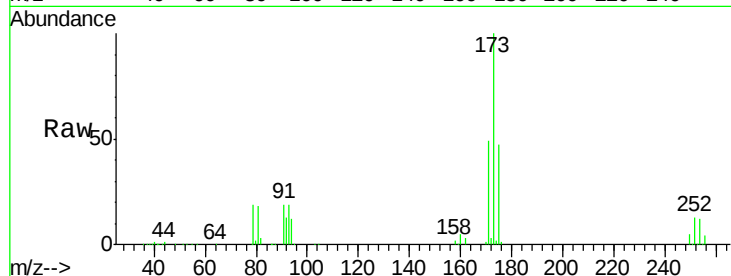
Tot Ion:173 Resp: 38963

Ion Ratio Lower Upper

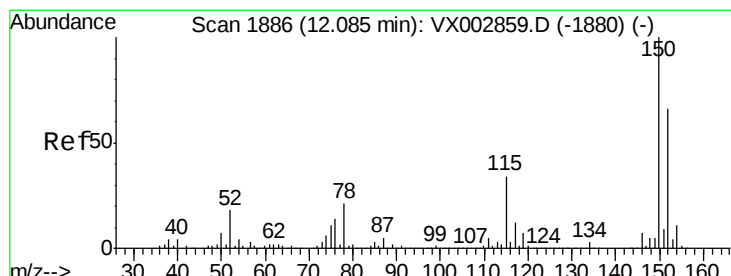
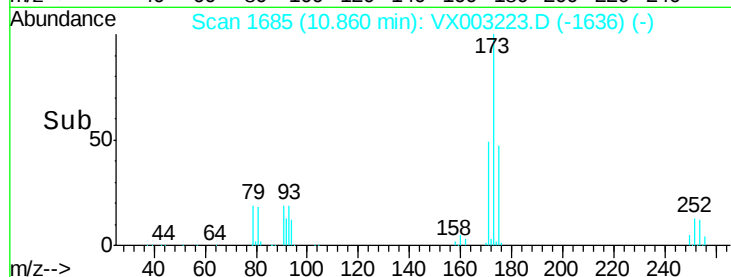
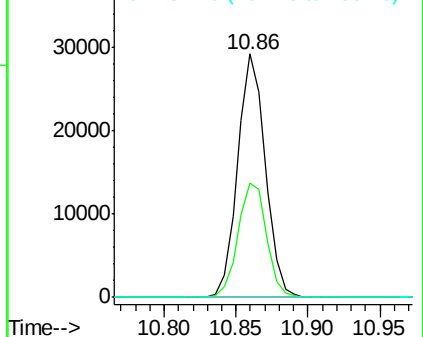
173 100

175 48.2 24.7 74.1

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: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

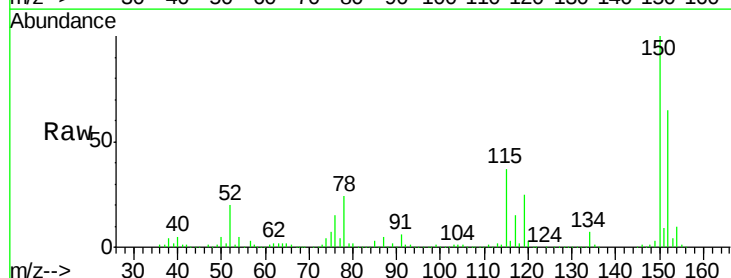
Tgt Ion:152 Resp: 176430

Ion Ratio Lower Upper

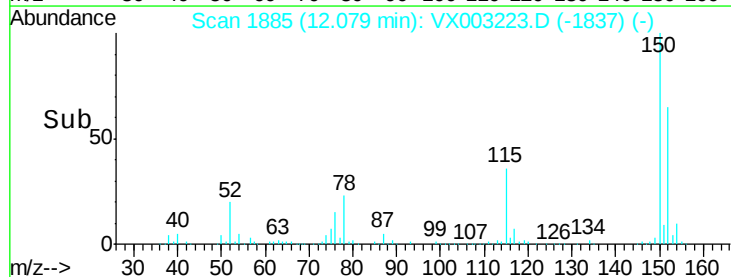
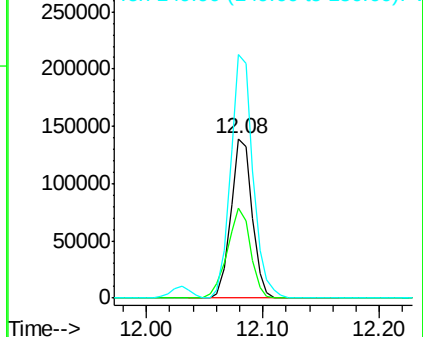
152 100

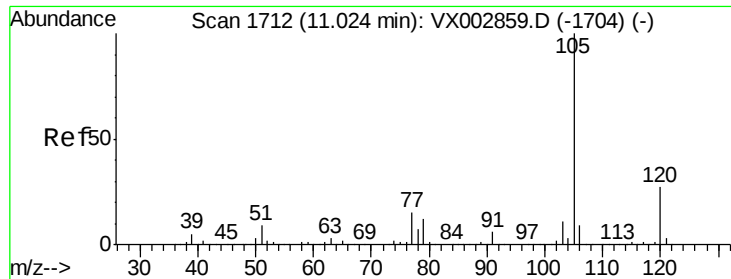
115 61.9 40.1 120.2

150 161.2 0.0 347.2



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: 19.18 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

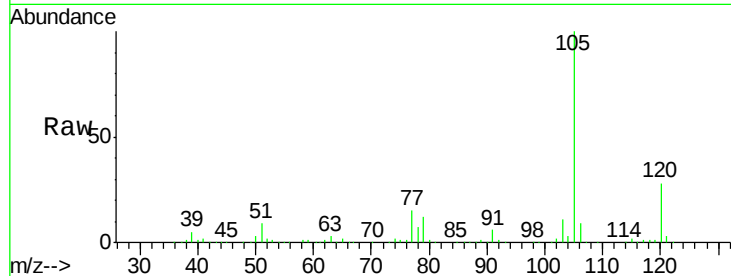
ClientSampleId :

Tot Ion:105 Resp: 227656

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

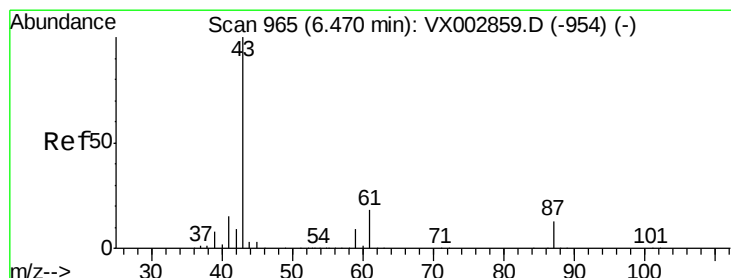
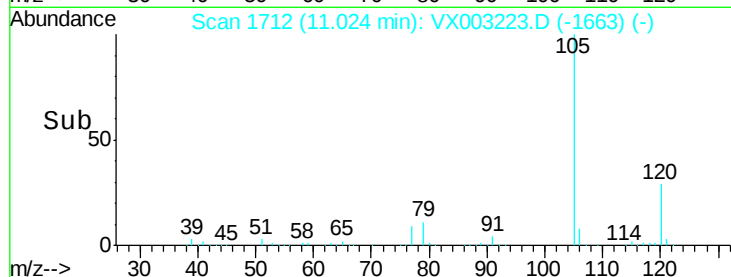
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 18.71 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion: 43 Resp: 108630

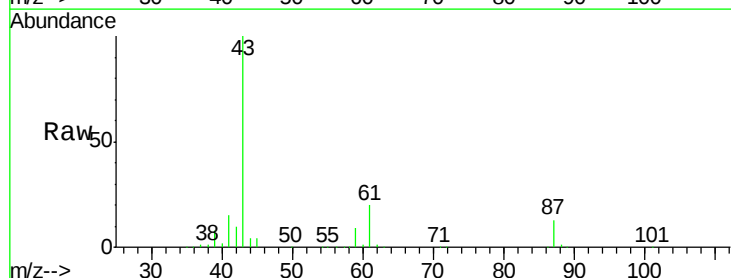
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.3 14.4 21.6



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

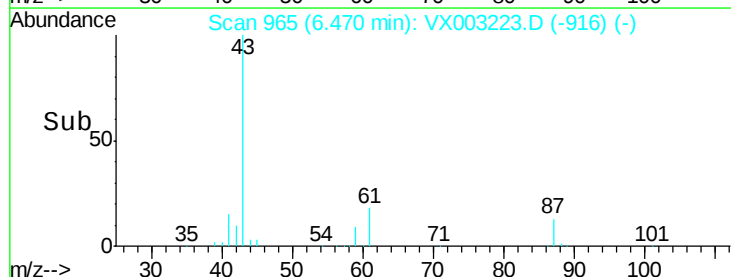
60000

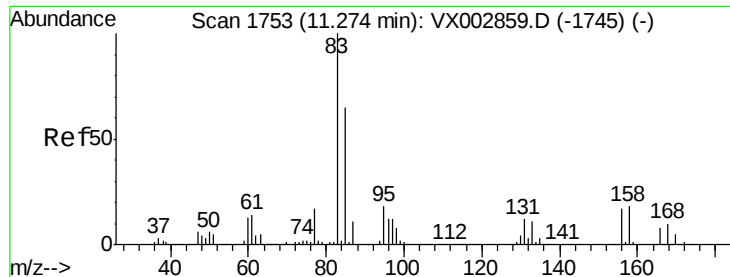
40000

20000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 19.76 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

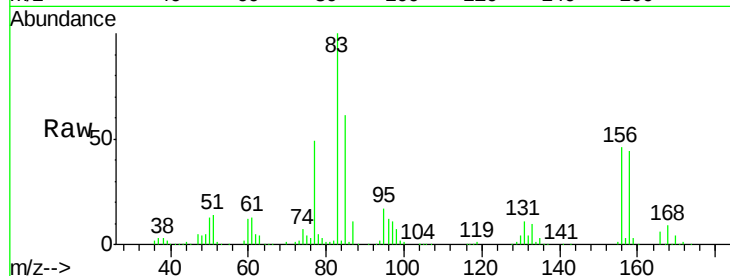
Tot Ion: 83 Resp: 72239

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

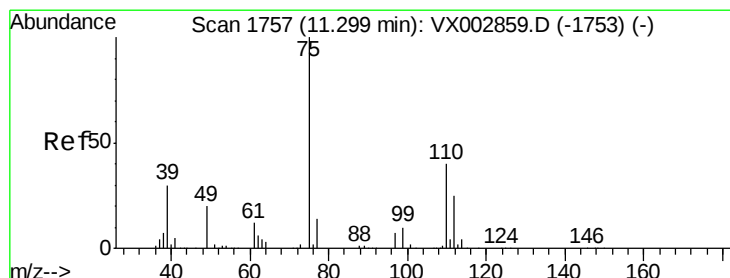
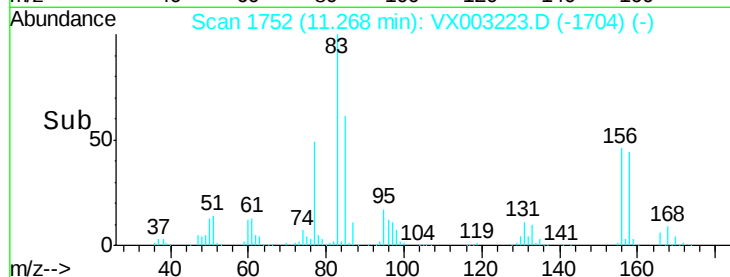
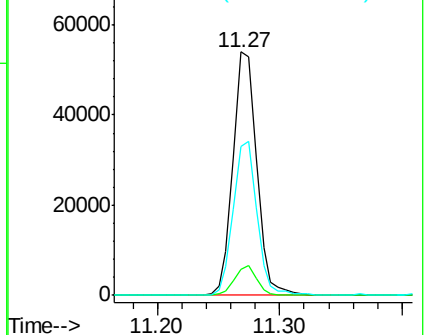
85 63.4 32.4 97.2



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: 23.95 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003223.D

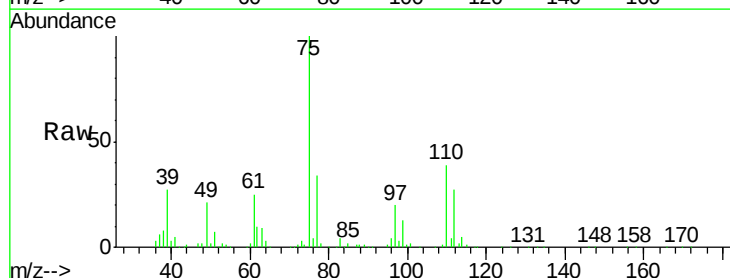
Acq: 06 Jul 2018 20:13

Tgt Ion: 75 Resp: 76548

Ion Ratio Lower Upper

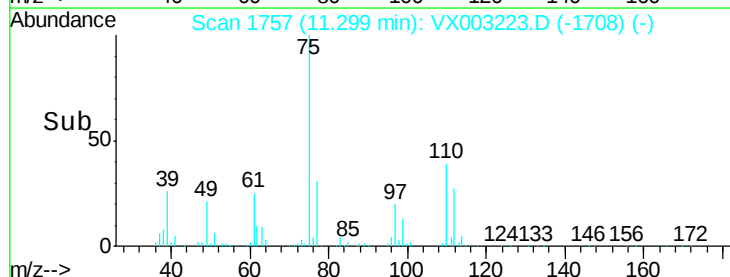
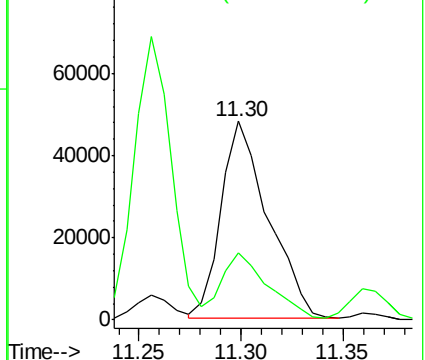
75 100

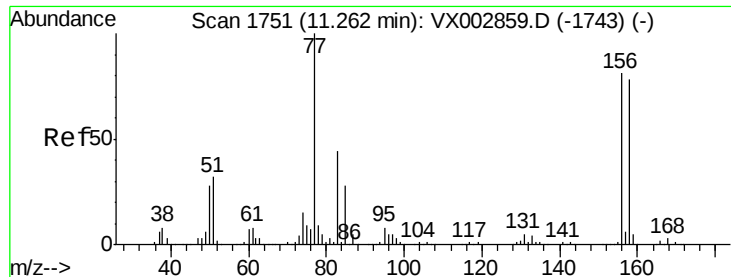
77 33.7 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.24 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

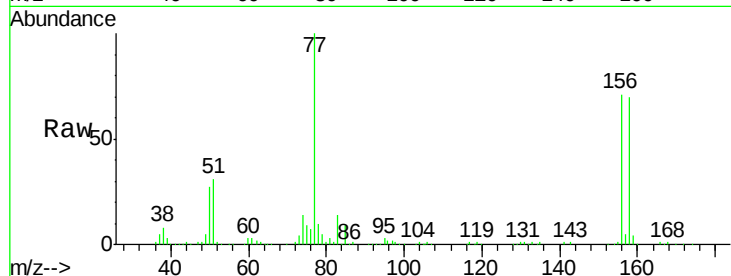
Tot Ion:156 Resp: 65037

Ion Ratio Lower Upper

156 100

77 135.3 71.4 214.2

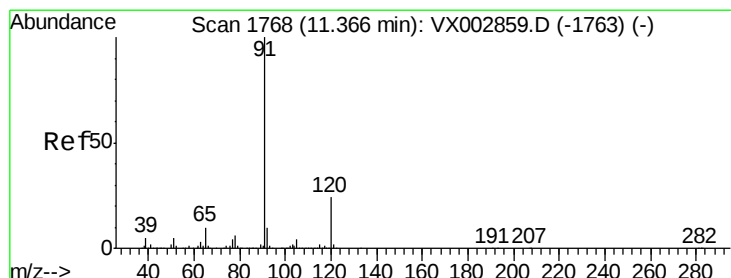
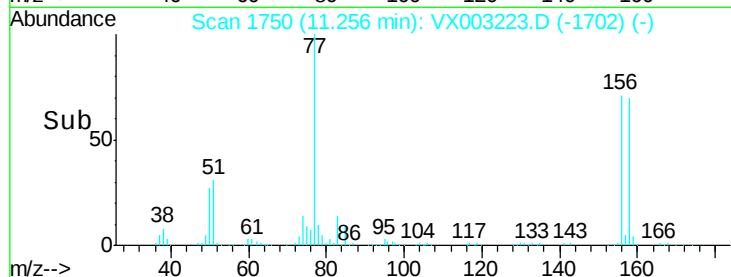
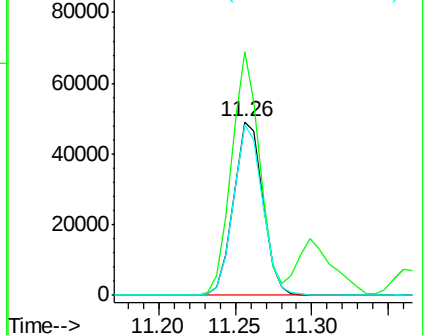
158 98.1 48.9 146.6



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: 18.23 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003223.D

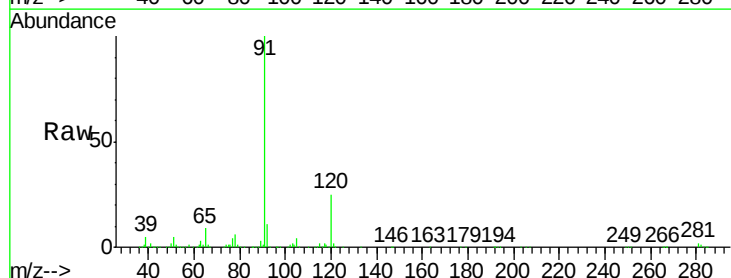
Acq: 06 Jul 2018 20:13

Tgt Ion: 91 Resp: 246273

Ion Ratio Lower Upper

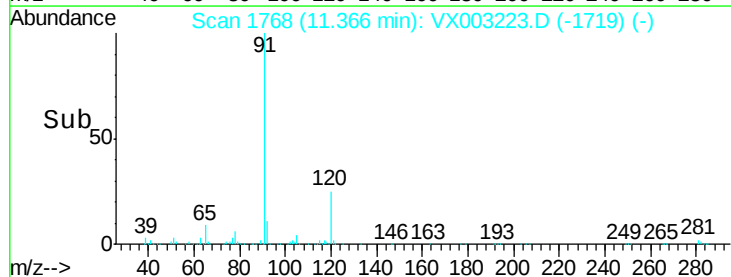
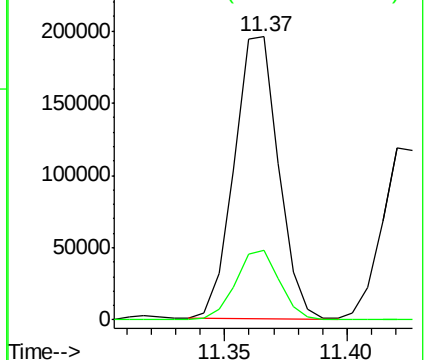
91 100

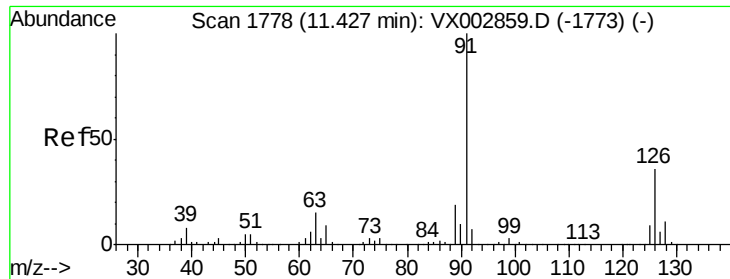
120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.73 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

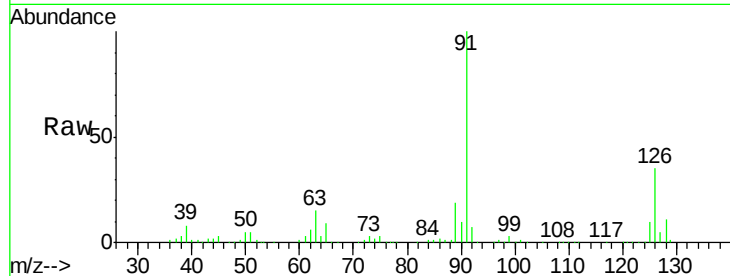
ClientSampleId :

Tot Ion: 91 Resp: 153236

Ion Ratio Lower Upper

91 100

126 36.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)

200000

150000

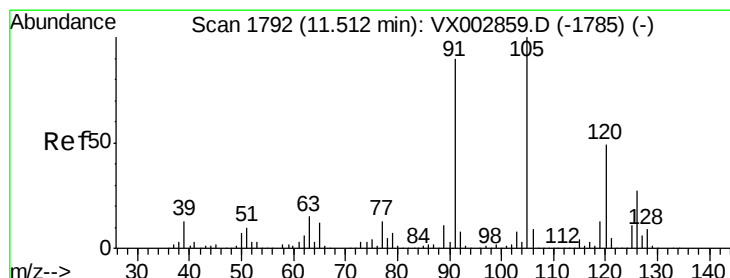
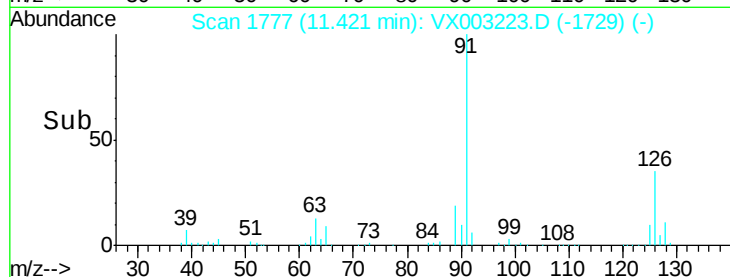
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.75 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003223.D

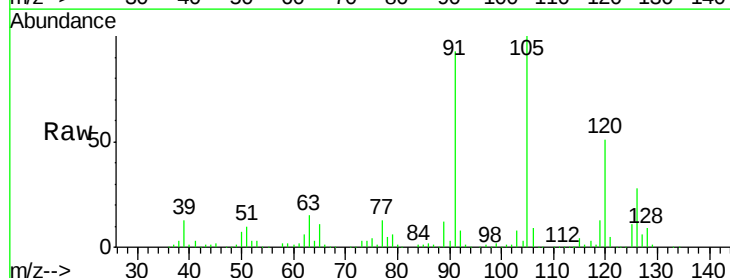
Acq: 06 Jul 2018 20:13

Tgt Ion: 105 Resp: 187448

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)

150000

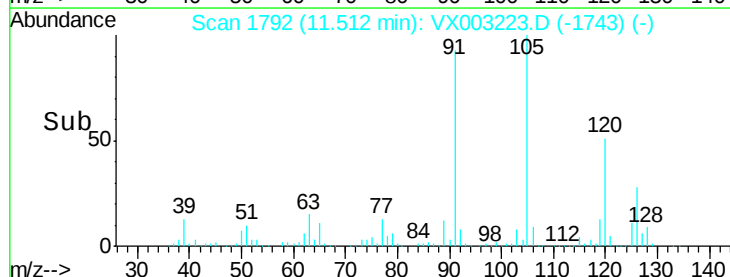
100000

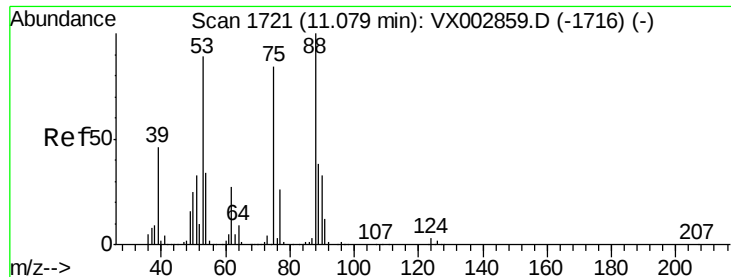
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.27 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

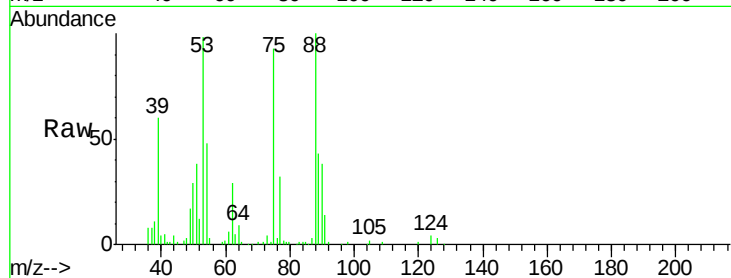
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 75 Resp: 16429

Ion	Ratio	Lower	Upper
75	100		
53	111.7	86.8	130.2
89	51.9	38.2	57.2

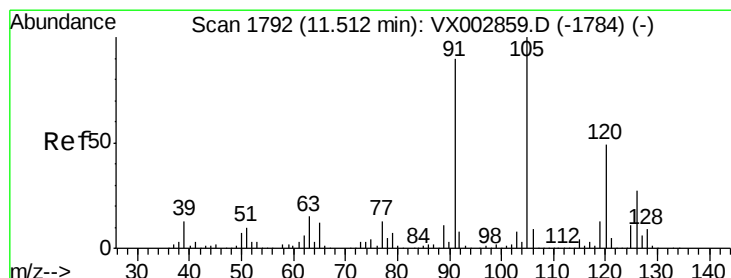
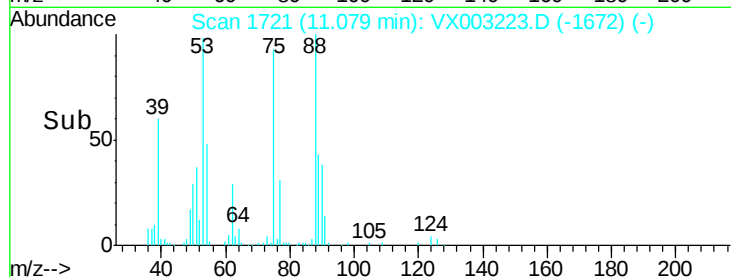
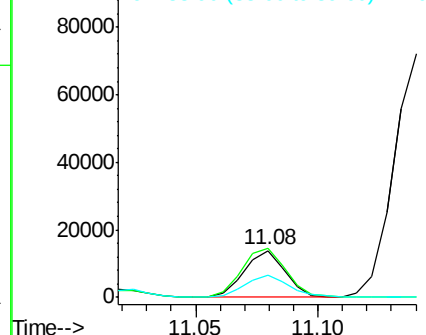


Abundance

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: 18.45 ug/l

RT: 11.51 min Scan# 1792

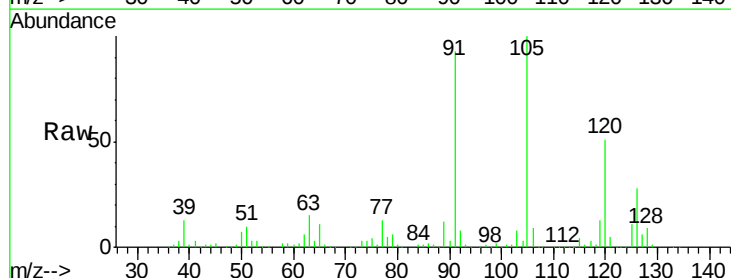
Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion: 91 Resp: 178614

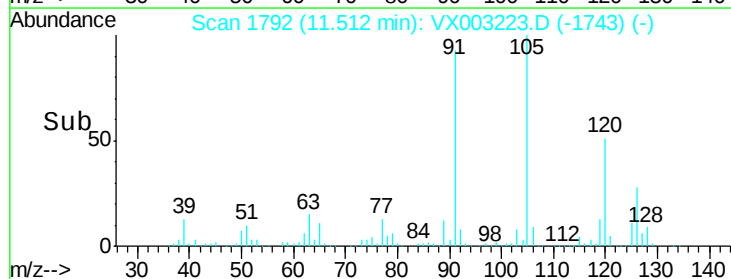
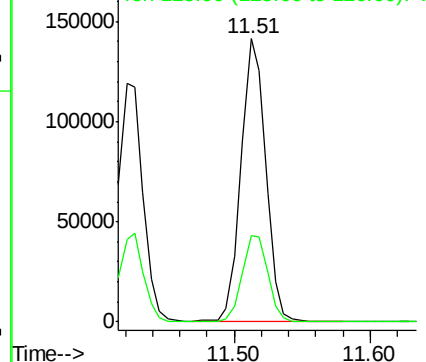
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.4

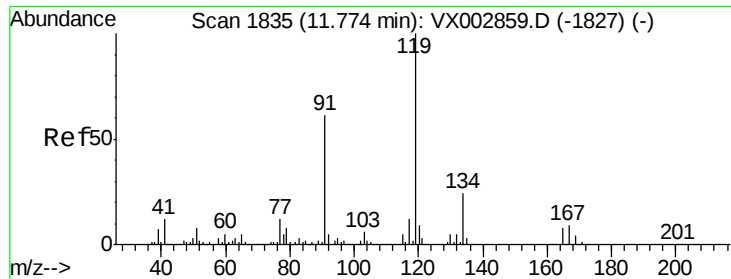


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

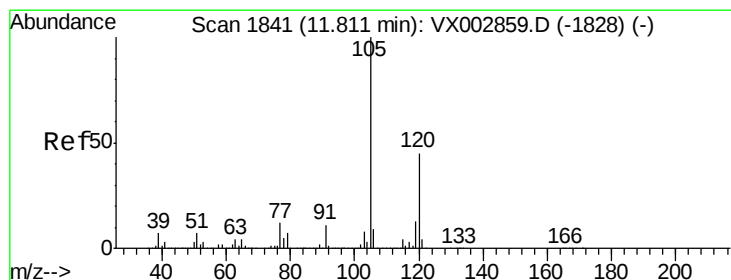
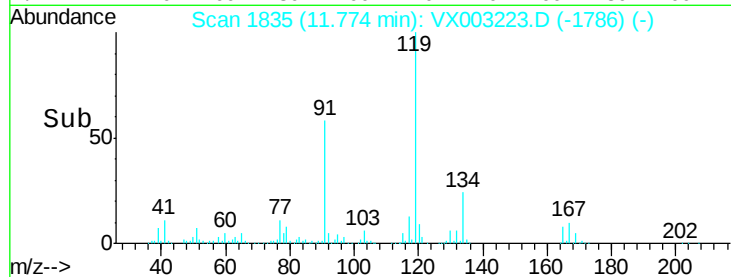
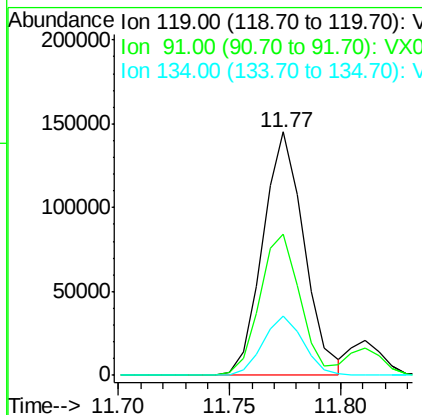
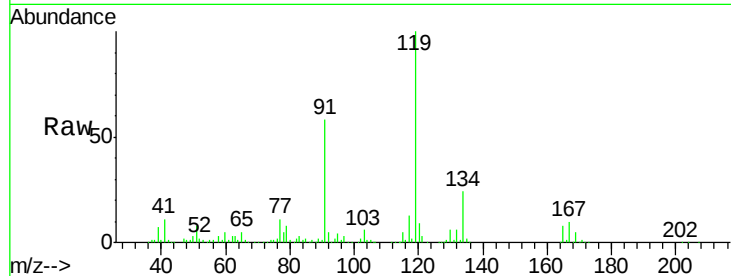




#83
 tert-Butylbenzene
 Concen: 18.96 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

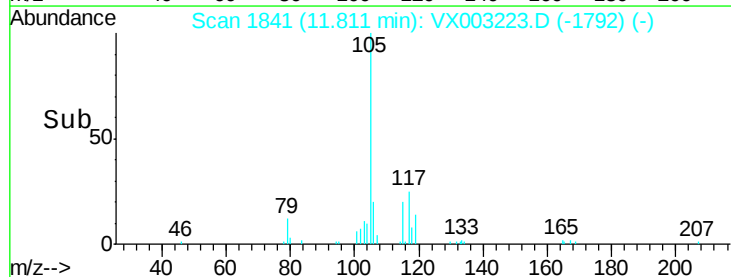
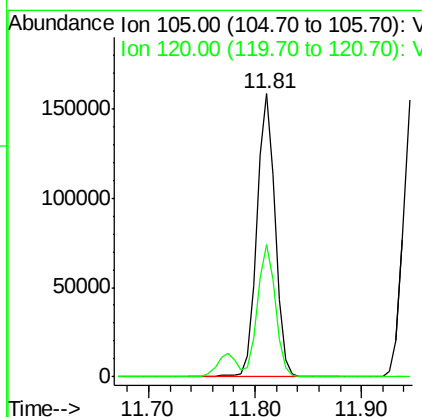
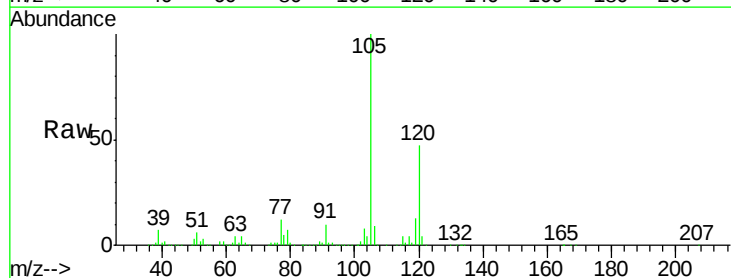
Instrument :
 MSVOA_X
 ClientSampled :

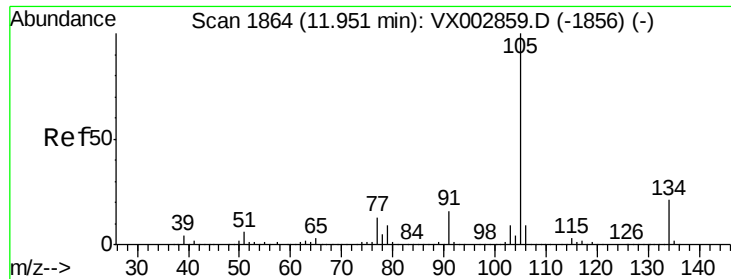
Tot Ion:119 Resp: 186777
 Ion Ratio Lower Upper
 119 100
 91 57.7 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.40 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion:105 Resp: 190529
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 18.55 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

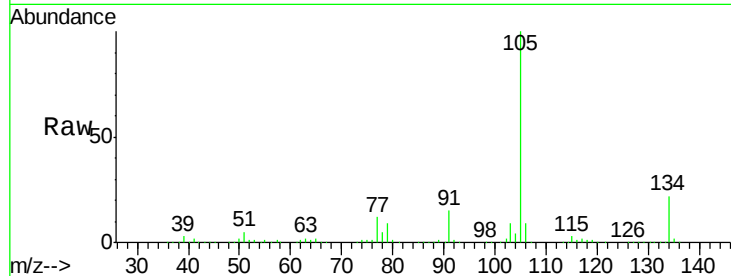
ClientSampled :

Tot Ion:105 Resp: 221713

Ion Ratio Lower Upper

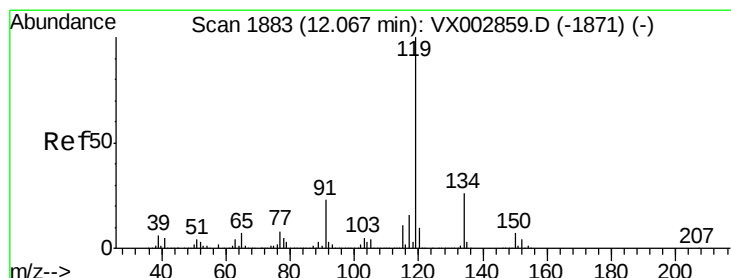
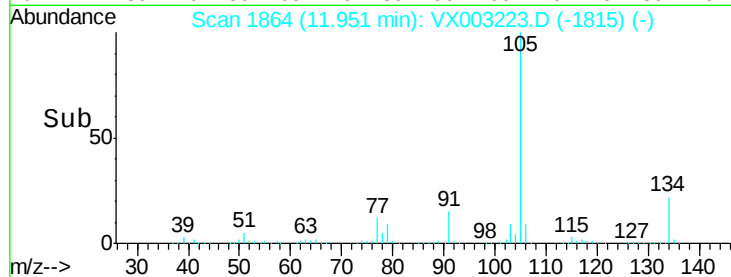
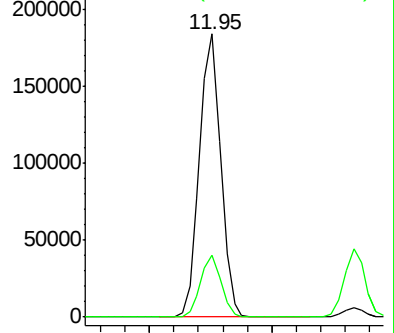
105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.20 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

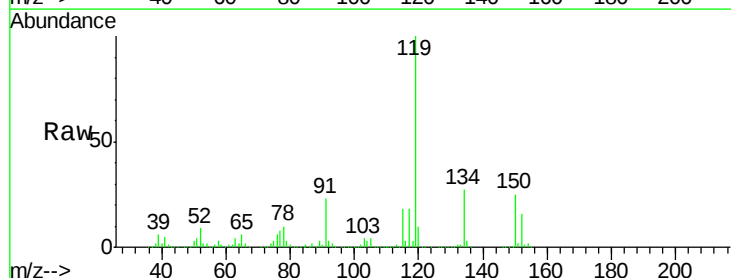
Tgt Ion:119 Resp: 195567

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

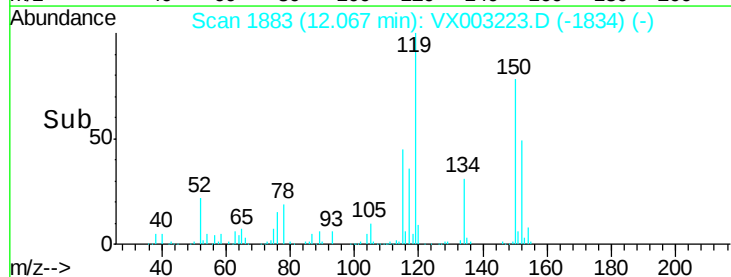
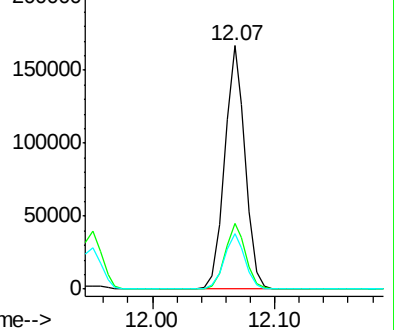
91 23.1 11.9 35.7

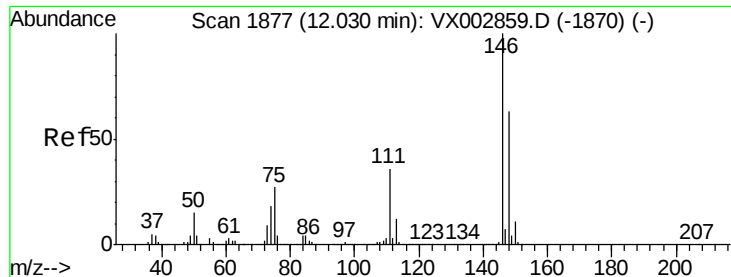


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.94 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

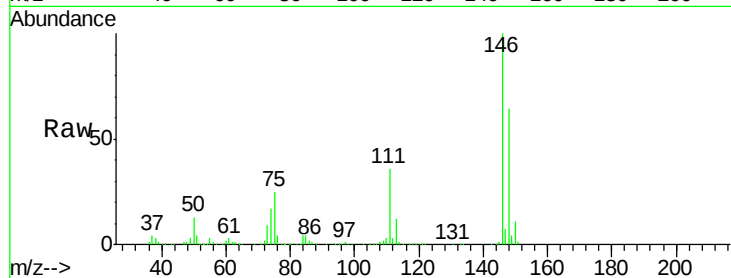
Tot Ion:146 Resp: 116900

Ion Ratio Lower Upper

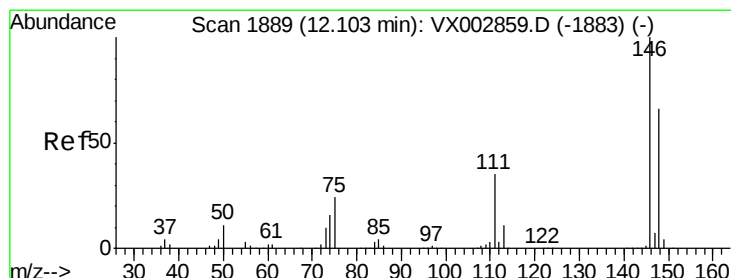
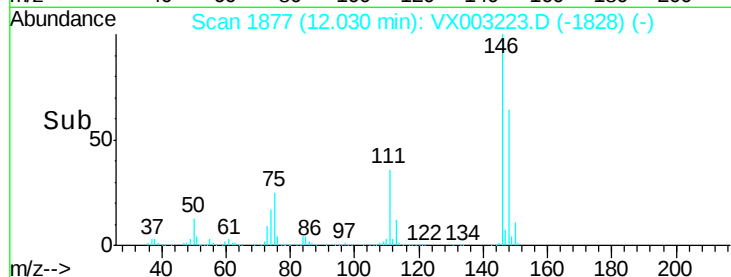
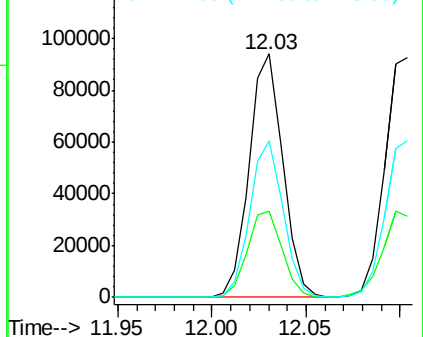
146 100

111 36.6 18.9 56.7

148 63.4 32.1 96.3



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: 18.69 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

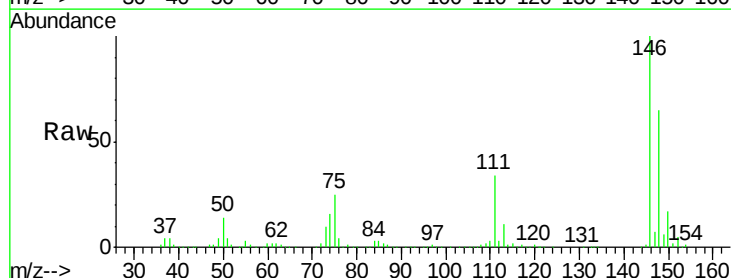
Tgt Ion:146 Resp: 118746

Ion Ratio Lower Upper

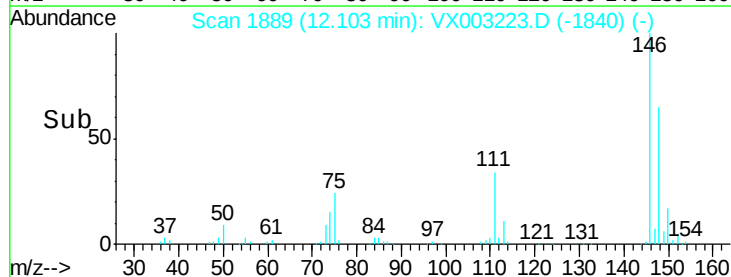
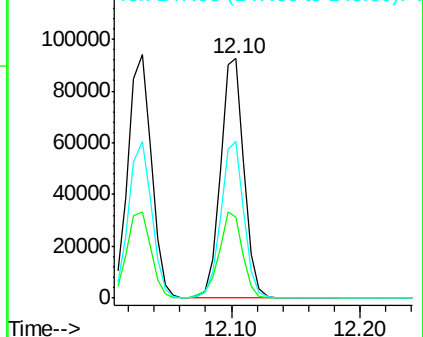
146 100

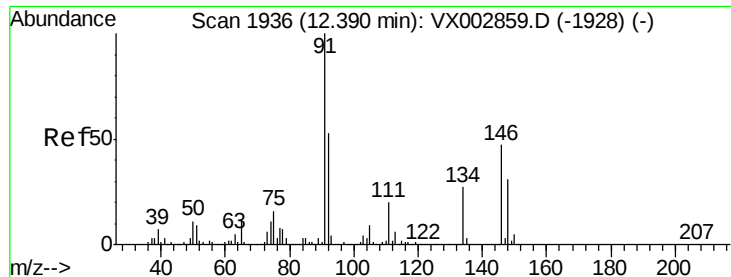
111 36.5 18.7 56.1

148 64.6 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: 16.62 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

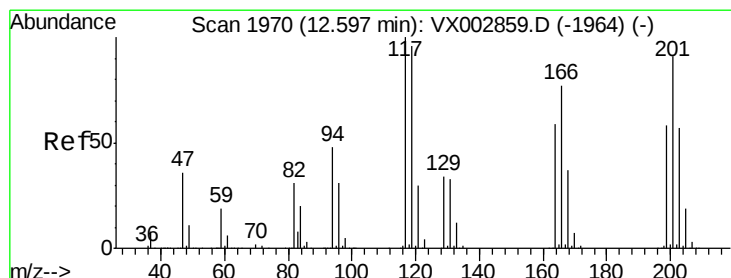
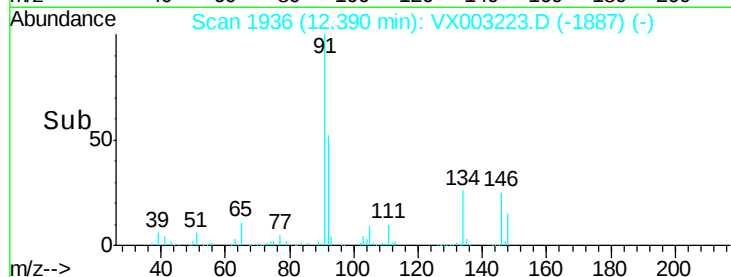
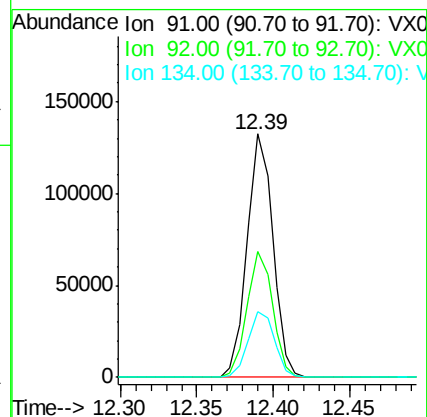
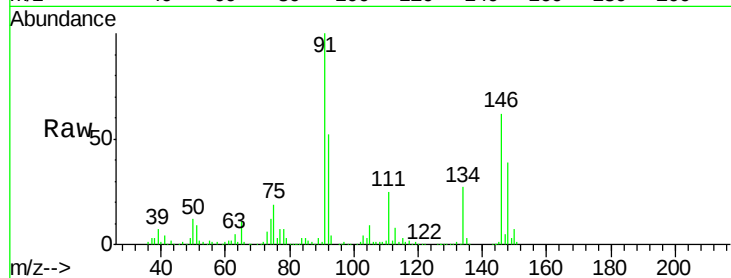
Tot Ion: 91 Resp: 155452

Ion Ratio Lower Upper

91 100

92 51.7 26.0 78.0

134 27.9 13.5 40.5



#90

Hexachloroethane

Concen: 17.56 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003223.D

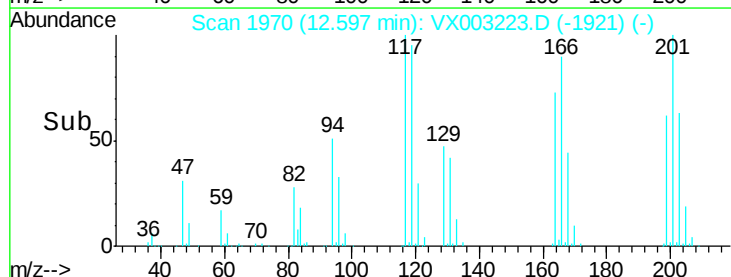
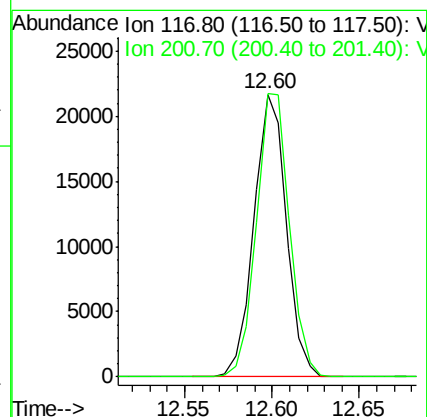
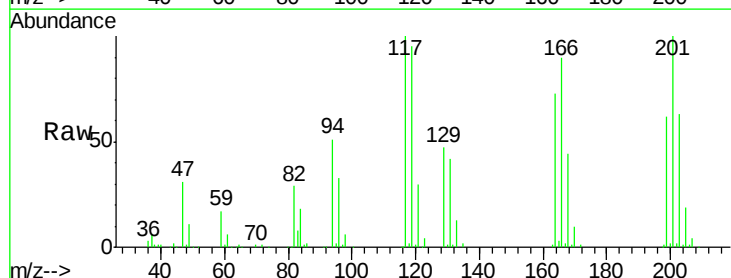
Acq: 06 Jul 2018 20:13

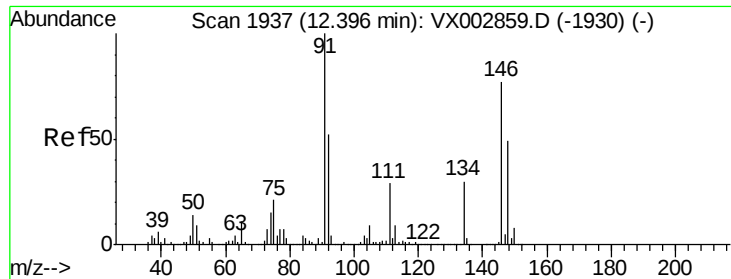
Tgt Ion: 117 Resp: 28066

Ion Ratio Lower Upper

117 100

201 102.0 49.0 147.0

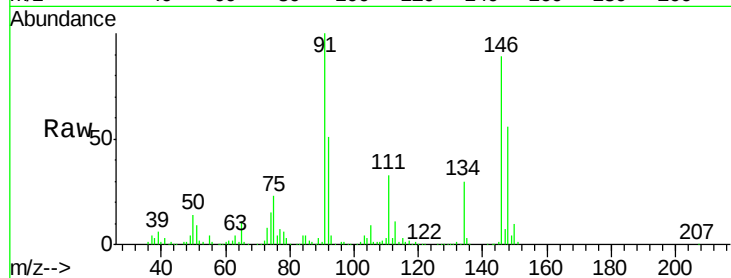




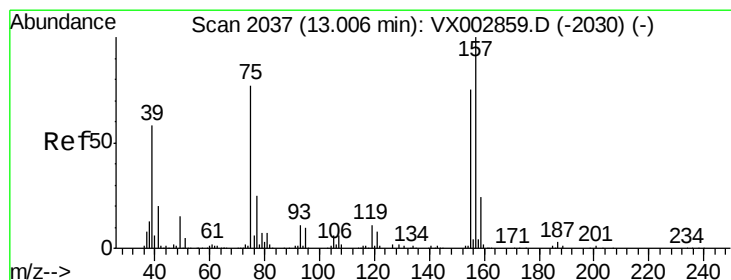
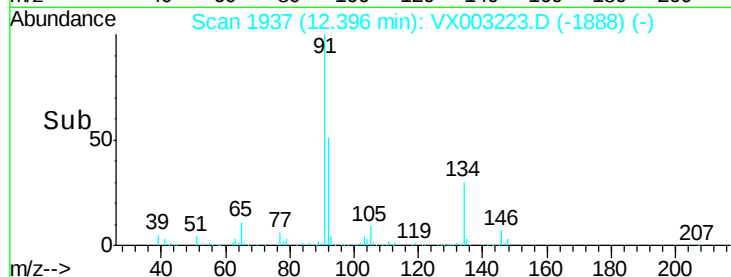
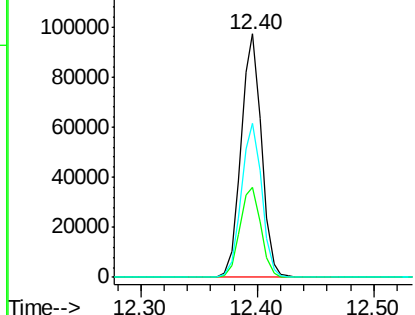
#91
 1,2-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 118747
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.1
 148 63.6 31.7 95.1

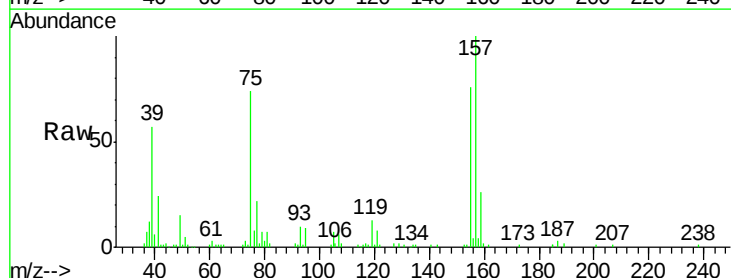


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

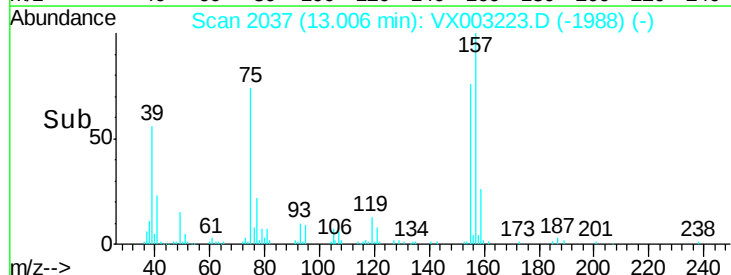
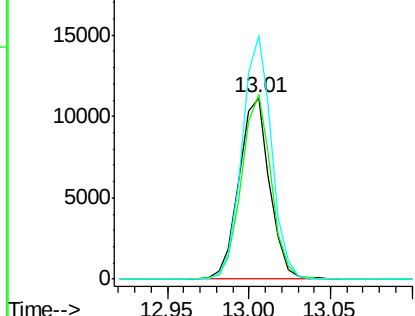


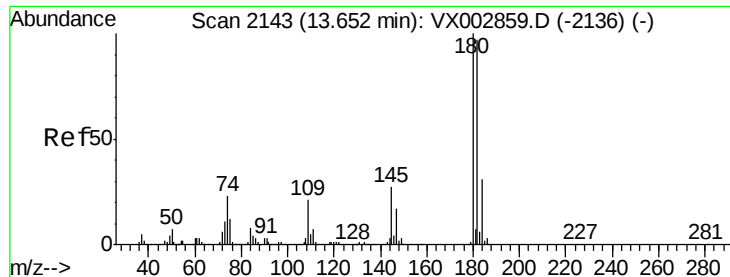
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.63 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 75 Resp: 14494
 Ion Ratio Lower Upper
 75 100
 155 99.1 45.8 137.4
 157 129.3 60.1 180.3



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

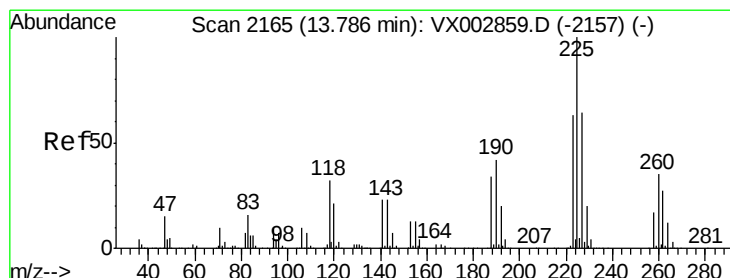
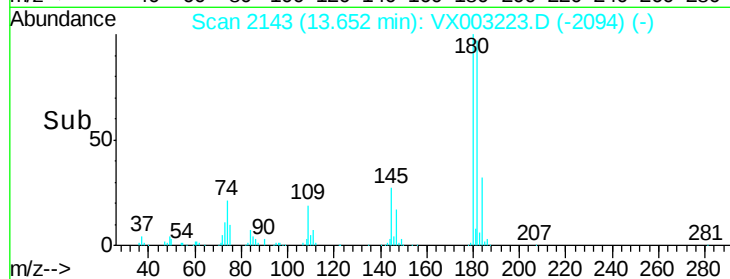
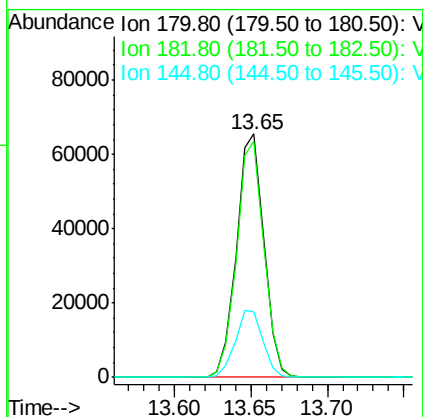
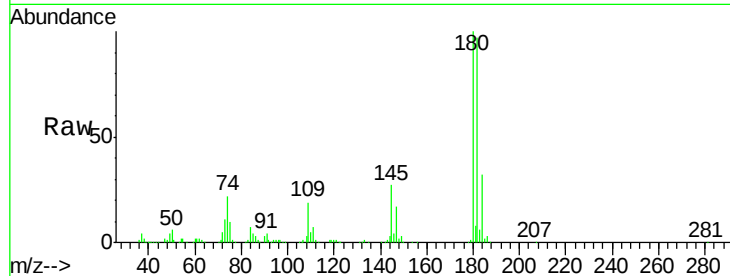




#93
 1,2,4-Trichlorobenzene
 Concen: 17.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

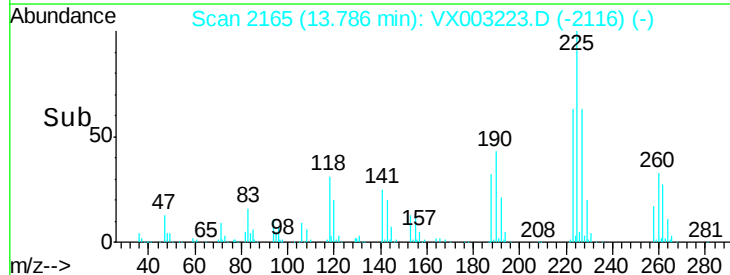
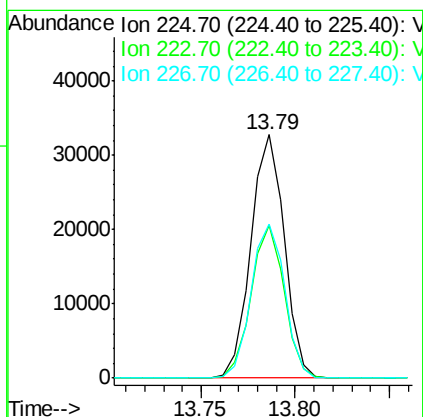
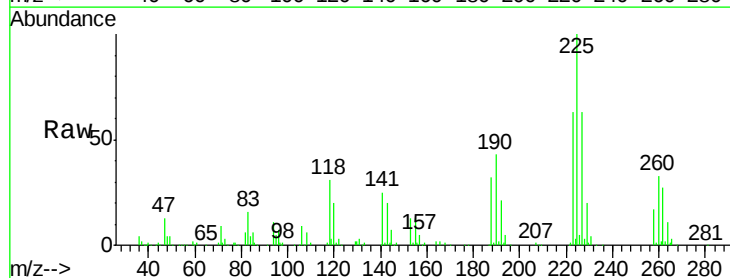
Instrument :
 MSVOA_X
 ClientSampleId :

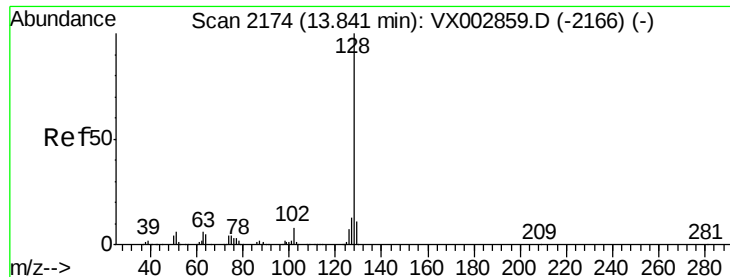
Tot Ion:180 Resp: 81106
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.7 143.1
 145 27.7 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 17.74 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion:225 Resp: 40126
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.6 95.0
 227 64.0 32.4 97.2

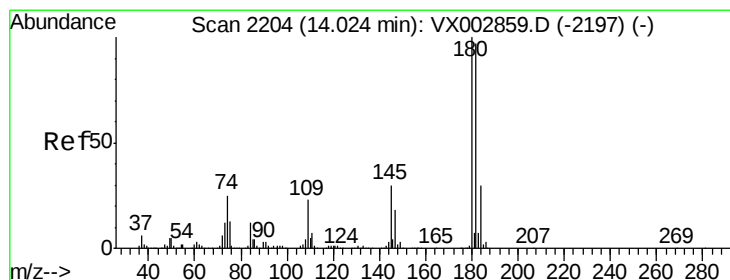
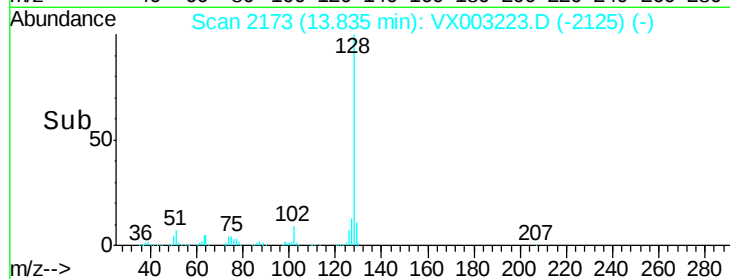
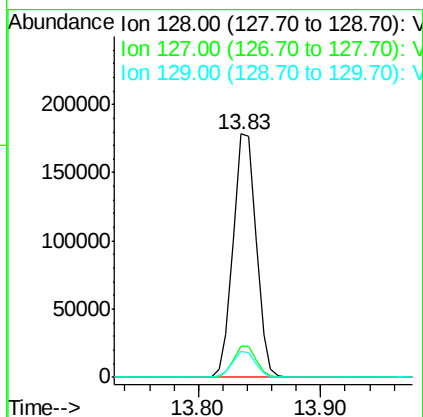
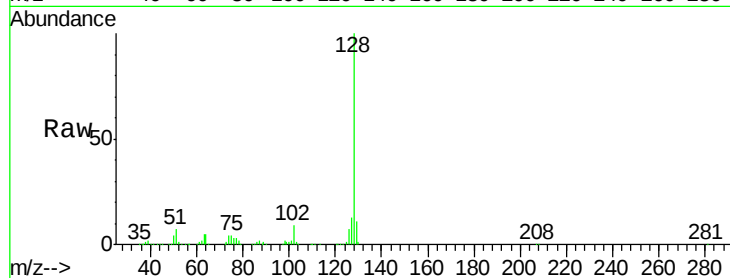




#95
Naphthalene
Concen: 19.21 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 231977
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.87 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion:180 Resp: 85455
Ion Ratio Lower Upper
180 100
182 96.1 48.0 144.0
145 29.5 14.8 44.3

