

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006689.D
 Acq On : 20 Dec 2018 21:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 03:35:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	577263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	819765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	411663	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	316755	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	5.51	113	286554	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.71	98	1089268	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	392106	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	243122	46.038	ug/l	98
3) Chloromethane	1.33	50	263050	46.235	ug/l	98
4) Vinyl Chloride	1.41	62	285812	48.100	ug/l	98
5) Bromomethane	1.64	94	283821	51.231	ug/l	96
6) Chloroethane	1.71	64	190596	46.324	ug/l	97
7) Trichlorofluoromethane	1.93	101	458248	49.464	ug/l	99
8) Diethyl Ether	2.19	74	181504	49.327	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	266808	49.050	ug/l	99
10) Methyl Iodide	2.51	142	402831	51.735	ug/l	99
11) Tert butyl alcohol	3.08	59	355345	255.926	ug/l	99
12) 1,1-Dichloroethene	2.37	96	250367	48.543	ug/l	100
13) Acrolein	2.29	56	203736	217.511	ug/l	98
14) Allyl chloride	2.73	41	433677	49.954	ug/l	99
15) Acrylonitrile	3.15	53	810834	263.016	ug/l	100
16) Acetone	2.45	43	673593	235.658	ug/l	100
17) Carbon Disulfide	2.57	76	592344	43.398	ug/l	99
18) Methyl Acetate	2.78	43	453667	53.976	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	892158	52.117	ug/l	100
20) Methylene Chloride	2.85	84	286483	48.470	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	271368	47.486	ug/l	99
22) Diisopropyl ether	3.87	45	841637	52.992	ug/l	94
23) Vinyl Acetate	3.82	43	3378720	260.075	ug/l	100
24) 1,1-Dichloroethane	3.70	63	464248	48.966	ug/l	99
25) 2-Butanone	4.70	43	1026498	255.308	ug/l	99
26) 2,2-Dichloropropane	4.59	77	317017	43.286	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	316665	50.223	ug/l	99
28) Bromochloromethane	5.02	49	218456	54.839	ug/l	98
29) Tetrahydrofuran	5.15	42	693926	262.046	ug/l	99
30) Chloroform	5.21	83	499658	50.891	ug/l	98
31) Cyclohexane	5.57	56	420658	48.838	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	421015	50.784	ug/l	98
36) 1,1-Dichloropropene	5.80	75	365437	49.196	ug/l	99
37) Ethyl Acetate	4.85	43	398563	51.551	ug/l	99
38) Carbon Tetrachloride	5.79	117	357548	49.529	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	470121	48.073	ug/l	98
40) Benzene	6.14	78	1126956	49.911	ug/l	99
41) Methacrylonitrile	5.06	41	218416	53.211	ug/l	98
42) 1,2-Dichloroethane	6.20	62	380333	49.433	ug/l	100
43) Isopropyl Acetate	6.46	43	620849	52.777	ug/l	99
44) Trichloroethene	7.21	130	332123	48.599	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282627	51.437	ug/l	98
46) Dibromomethane	7.66	93	204728	50.655	ug/l	99
47) Bromodichloromethane	7.90	83	351339	52.361	ug/l	97
48) Methyl methacrylate	7.77	41	323169	54.022	ug/l	99
49) 1,4-Dioxane	7.76	88	161478	1032.322	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1984791	265.175	ug/l	99
52) Toluene	8.79	92	747335	51.233	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	371750	51.658	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	419043	53.069	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	307012	51.419	ug/l	97
56) Ethyl methacrylate	9.18	69	449069	53.214	ug/l	98
57) 1,3-Dichloropropane	9.37	76	493627	51.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1163328	259.334	ug/l	99
59) 2-Hexanone	9.49	43	1498382	261.645	ug/l	99
60) Dibromochloromethane	9.59	129	307471	49.272	ug/l	98
61) 1,2-Dibromoethane	9.67	107	336298	52.985	ug/l	100
64) Tetrachloroethene	9.34	164	327888	50.512	ug/l	97
65) Chlorobenzene	10.14	112	868162	50.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	295810	54.669	ug/l	99
67) Ethyl Benzene	10.25	91	1434898	50.633	ug/l	100
68) m/p-Xylenes	10.36	106	1132488	101.272	ug/l	100
69) o-Xylene	10.70	106	557652	50.500	ug/l	98
70) Styrene	10.71	104	898881	51.453	ug/l	99
71) Bromoform	10.86	173	214050	44.404	ug/l #	99
73) Isopropylbenzene	11.02	105	1484819	52.723	ug/l	99
74) N-amyl acetate	10.90	43	552385	54.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	450217	53.753	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	496366	64.881	ug/l	91
77) Bromobenzene	11.26	156	393528	51.686	ug/l	99
78) n-propylbenzene	11.36	91	1636510	52.769	ug/l	99
79) 2-Chlorotoluene	11.42	91	957474	50.946	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1211533	52.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	109815	44.218	ug/l	97
82) 4-Chlorotoluene	11.51	91	1104068	51.214	ug/l	100
83) tert-Butylbenzene	11.77	119	1230231	52.990	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1250221	51.241	ug/l	100
85) sec-Butylbenzene	11.94	105	1491706	52.406	ug/l	99
86) p-Isopropyltoluene	12.06	119	1325621	52.980	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	701303	51.107	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	700449	49.793	ug/l	99
89) n-Butylbenzene	12.39	91	1125446	52.852	ug/l	100
90) Hexachloroethane	12.60	117	188993	48.377	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	688491	50.156	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	91026	52.524	ug/l	99

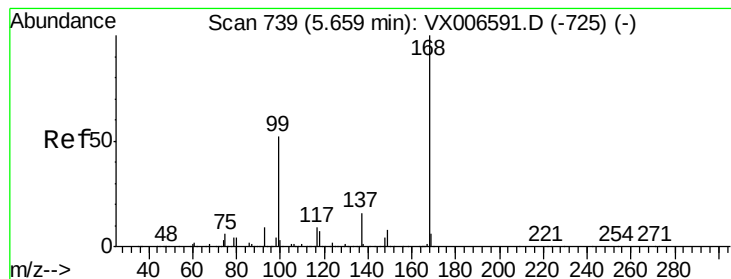
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	492360	51.998	ug/l	99
94) Hexachlorobutadiene	13.78	225	220662	49.442	ug/l	99
95) Naphthalene	13.83	128	1565674	51.808	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	492712	50.398	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

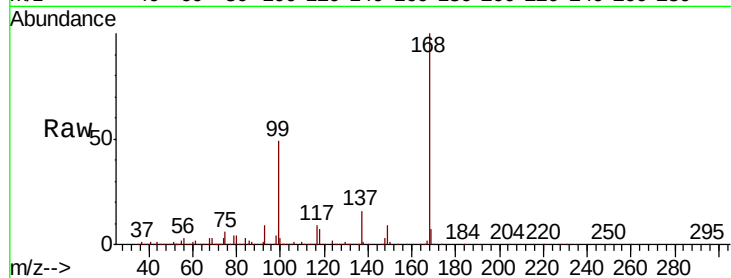
ClientSampleId :

Tot Ion:168 Resp: 577263

Ion Ratio Lower Upper

168 100

99 48.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

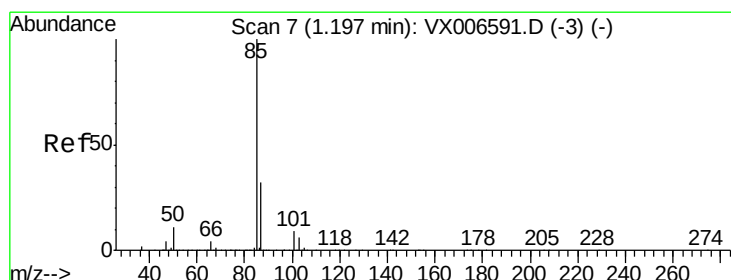
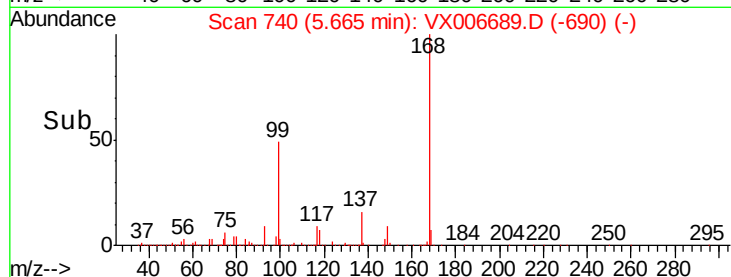
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.038 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006689.D

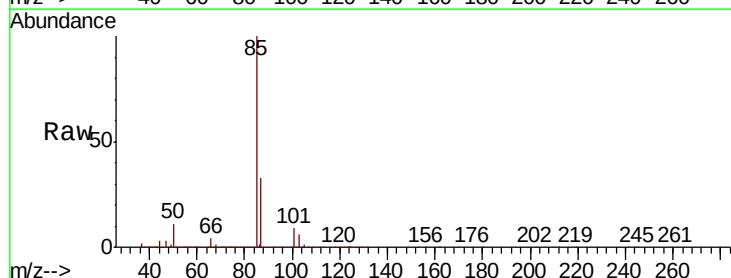
Acq: 20 Dec 2018 21:34

Tgt Ion: 85 Resp: 243122

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

150000

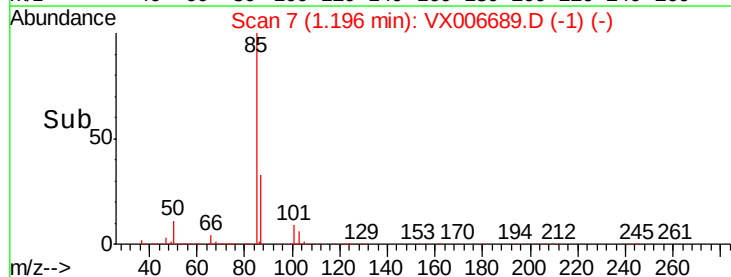
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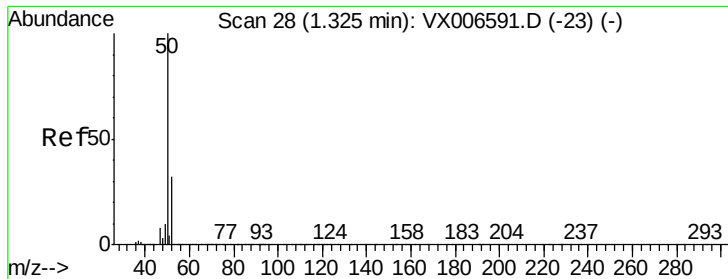
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.235 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

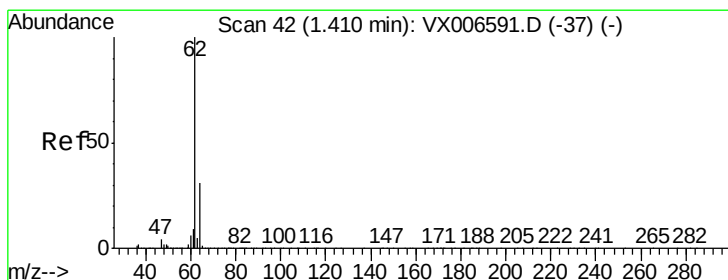
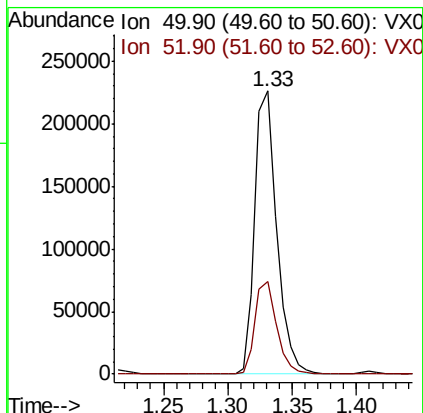
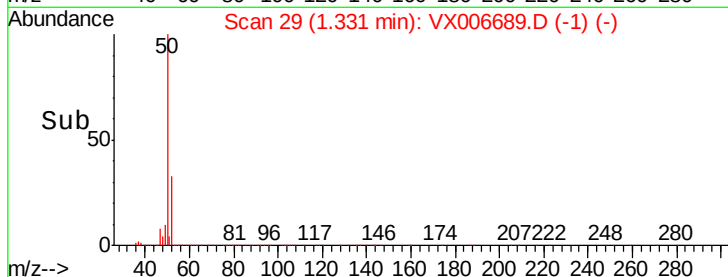
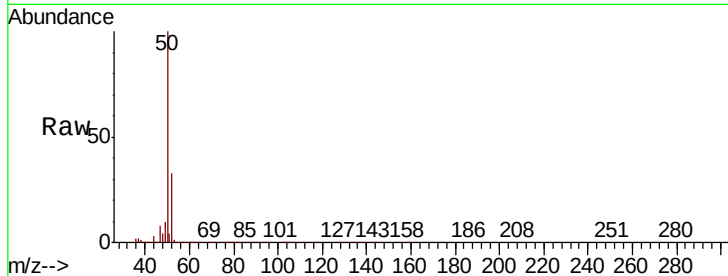
ClientSampleId :

Tot Ion: 50 Resp: 263050

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2



#4

Vinyl Chloride

Concen: 48.100 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006689.D

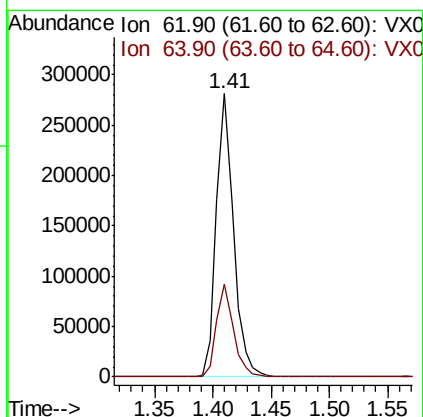
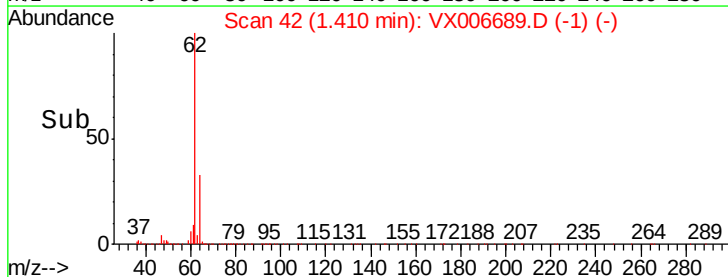
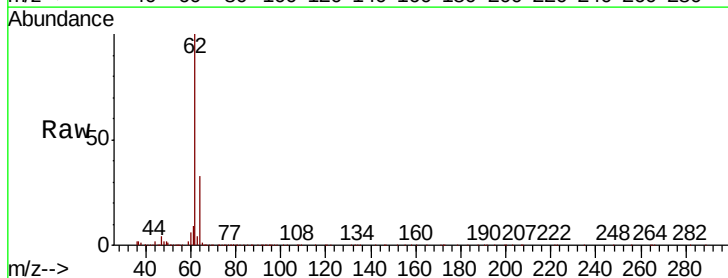
Acq: 20 Dec 2018 21:34

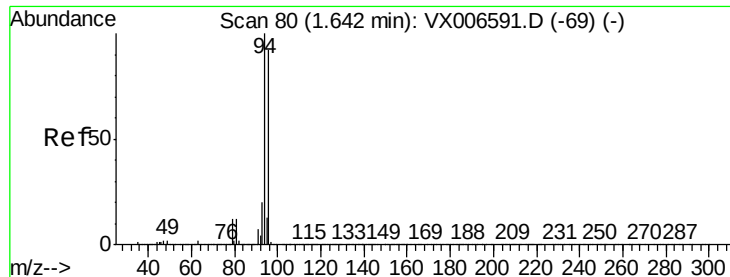
Tgt Ion: 62 Resp: 285812

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7





#5

Bromomethane

Concen: 51.231 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

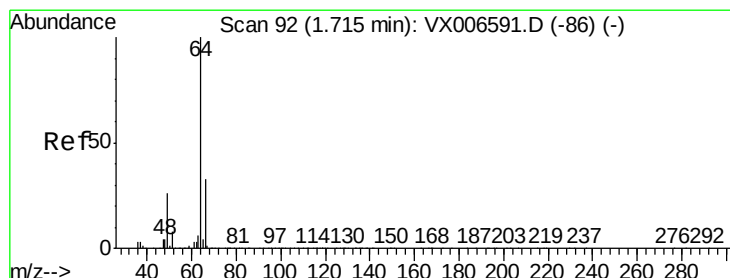
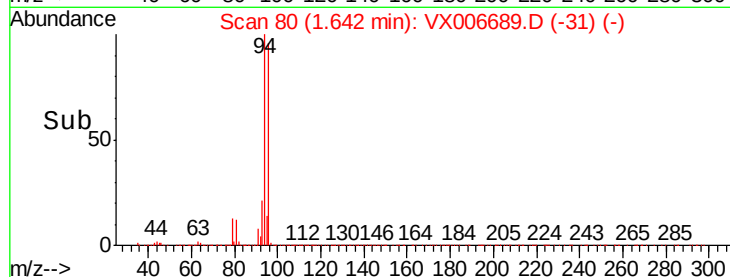
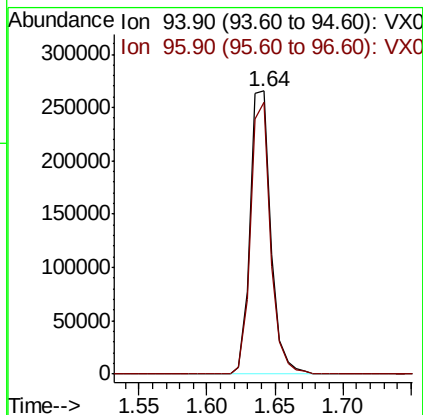
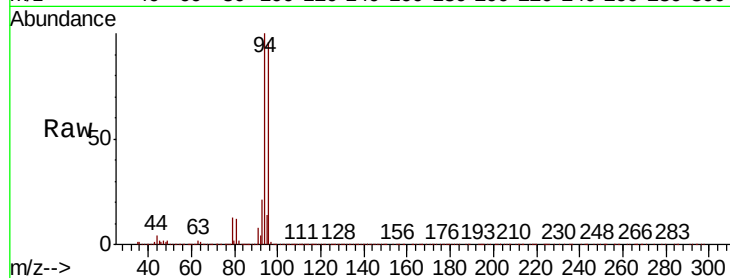
ClientSampleId :

Tot Ion: 94 Resp: 283821

Ion Ratio Lower Upper

94 100

96 96.0 73.4 110.2



#6

Chloroethane

Concen: 46.324 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006689.D

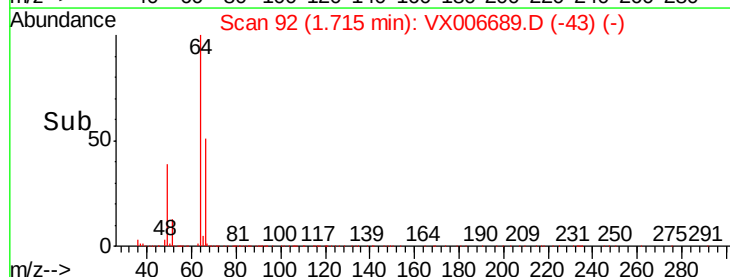
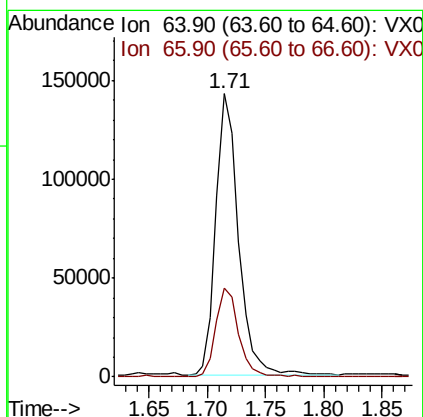
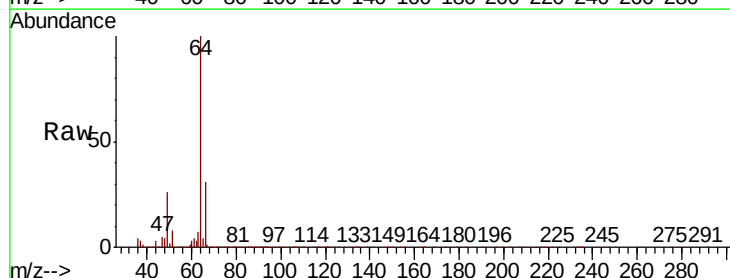
Acq: 20 Dec 2018 21:34

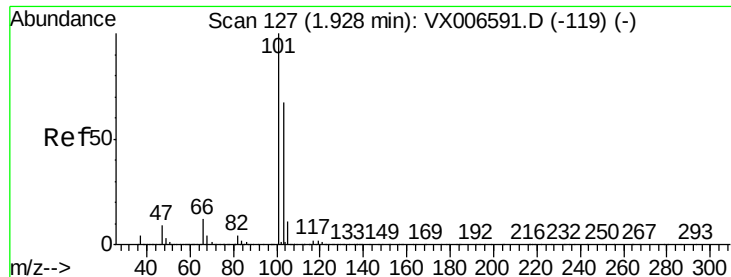
Tgt Ion: 64 Resp: 190596

Ion Ratio Lower Upper

64 100

66 31.3 26.4 39.6



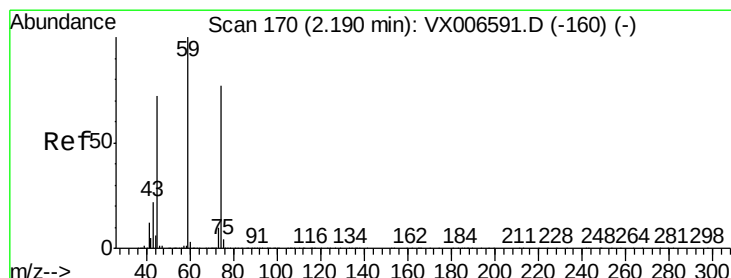
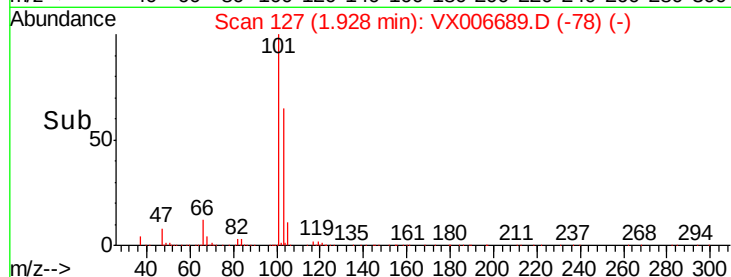
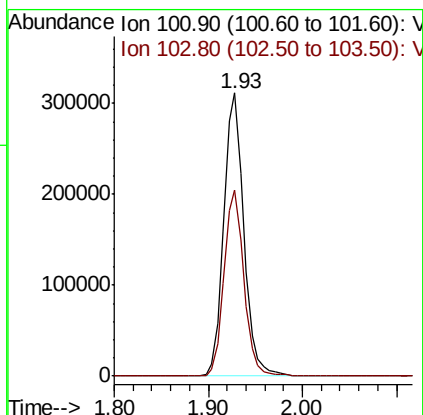
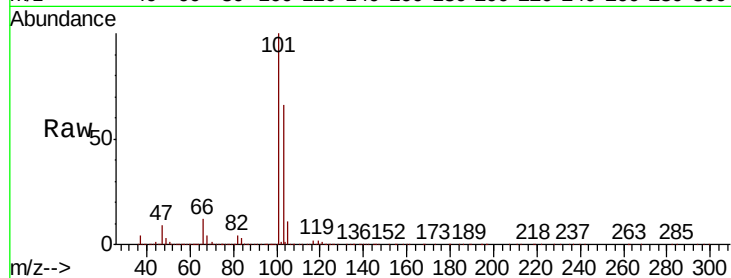


#7

Trichlorofluoromethane
Concen: 49.464 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

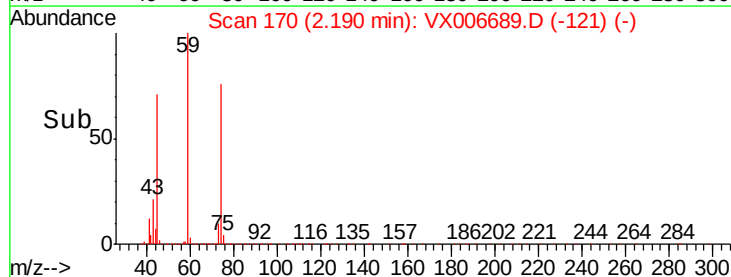
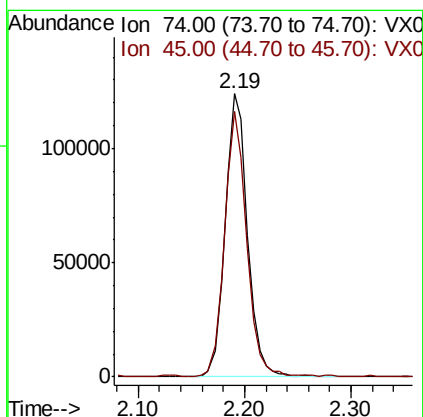
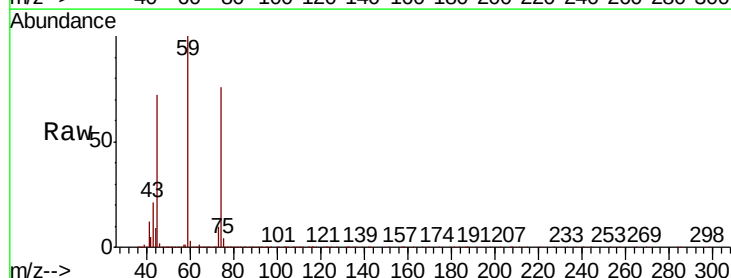
Tot Ion:101 Resp: 458248
Ion Ratio Lower Upper
101 100
103 65.5 53.2 79.8

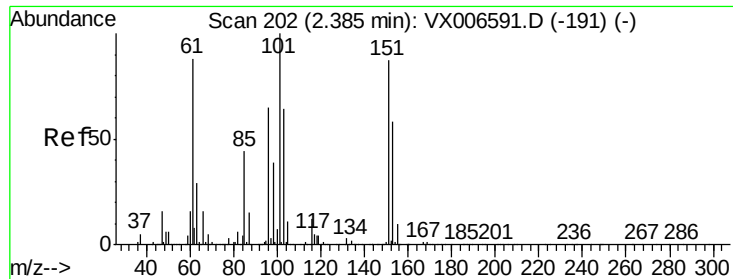


#8

Diethyl Ether
Concen: 49.327 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 74 Resp: 181504
Ion Ratio Lower Upper
74 100
45 92.0 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.050 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

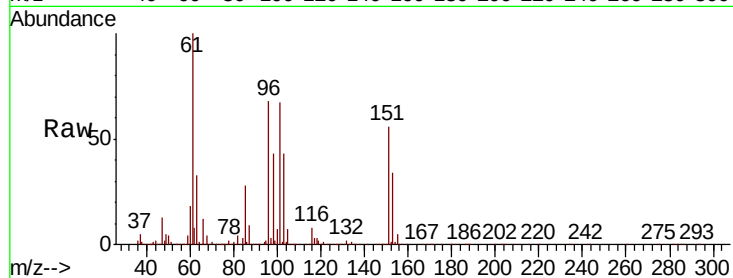
Tot Ion:101 Resp: 266808

Ion Ratio Lower Upper

101 100

85 44.2 35.1 52.7

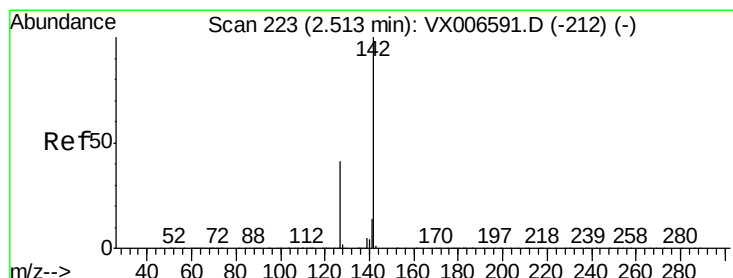
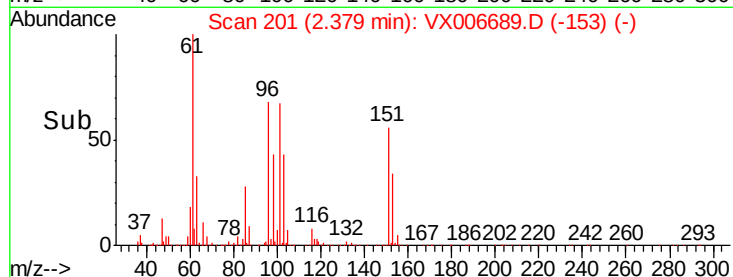
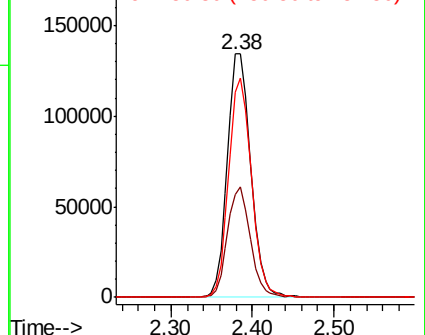
151 87.5 68.9 103.3



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: 51.735 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

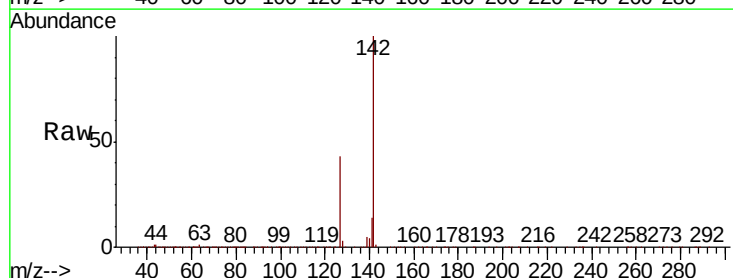
Tgt Ion:142 Resp: 402831

Ion Ratio Lower Upper

142 100

127 42.9 33.9 50.9

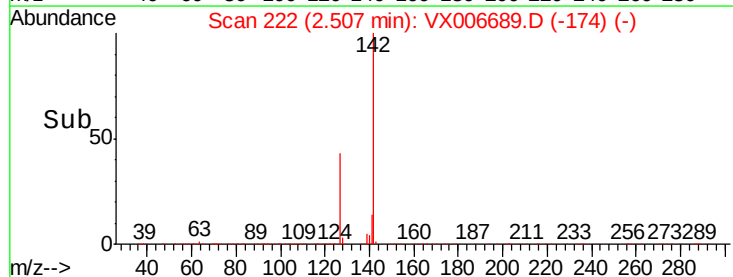
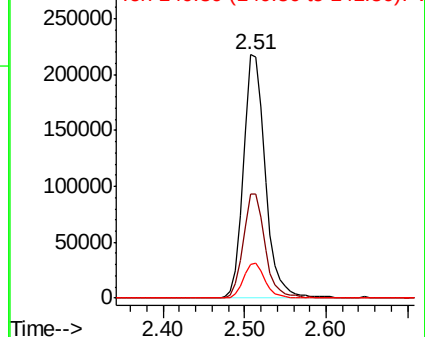
141 14.1 11.4 17.0

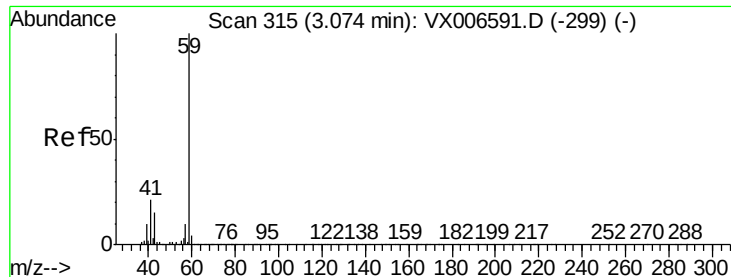


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



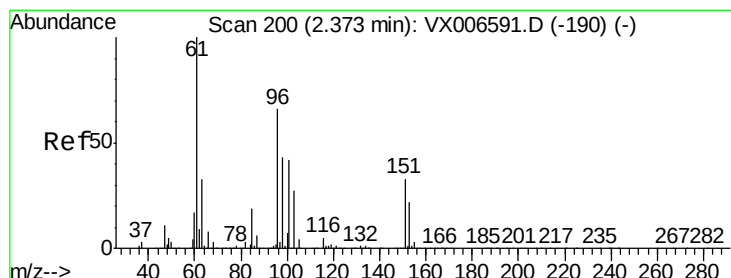
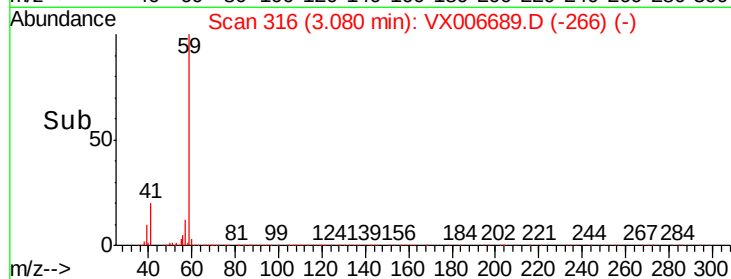
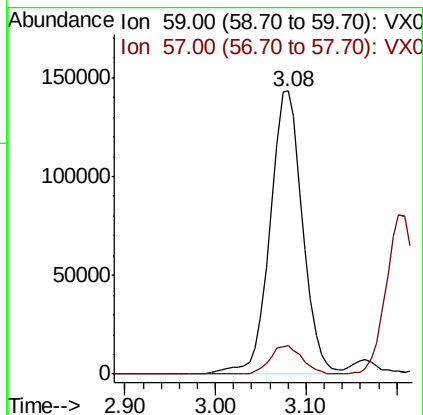
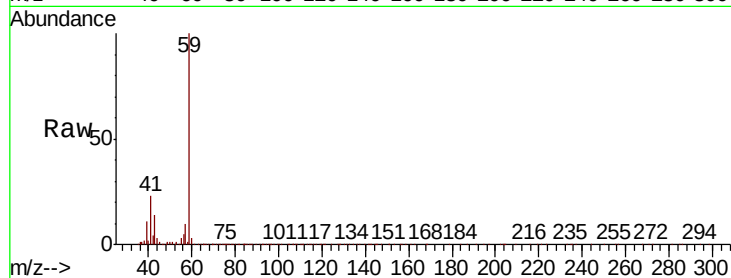


#11

Tert butyl alcohol
Concen: 255.926 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

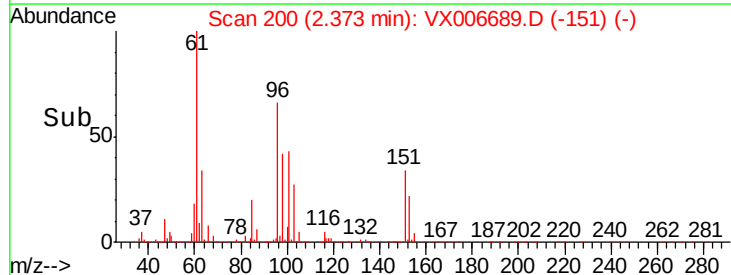
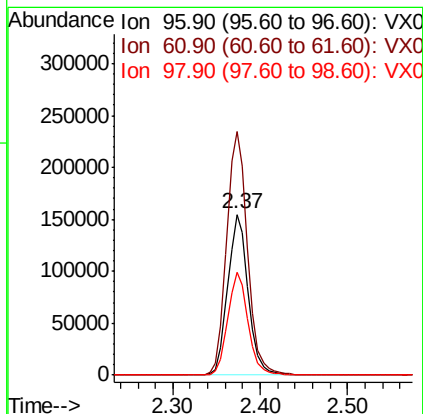
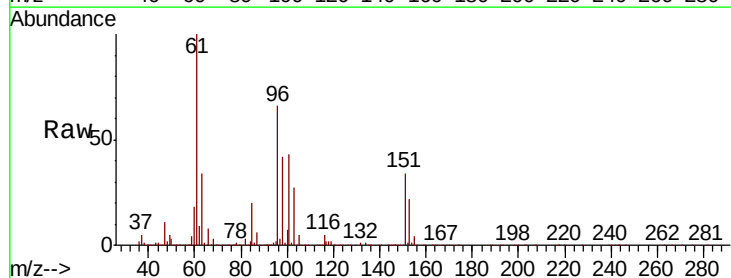
Tot Ion: 59 Resp: 355345
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

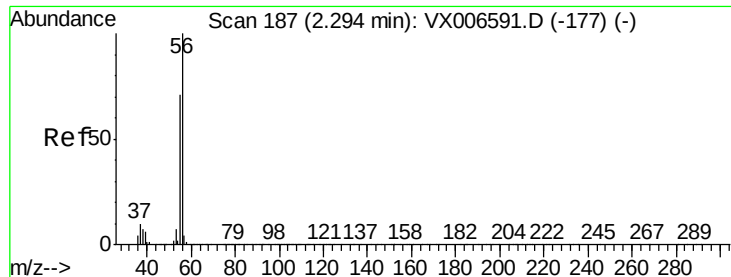


#12

1,1-Dichloroethene
Concen: 48.543 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 96 Resp: 250367
Ion Ratio Lower Upper
96 100
61 151.6 121.4 182.2
98 64.3 51.9 77.9





#13

Acrolein

Concen: 217.511 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

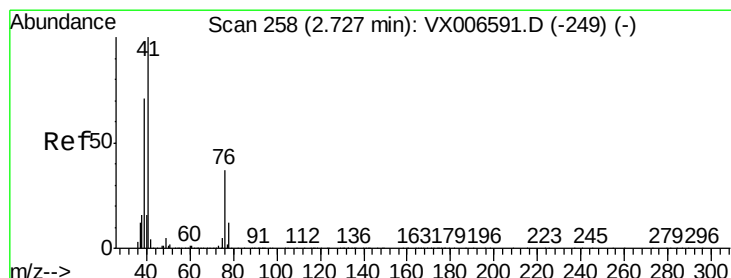
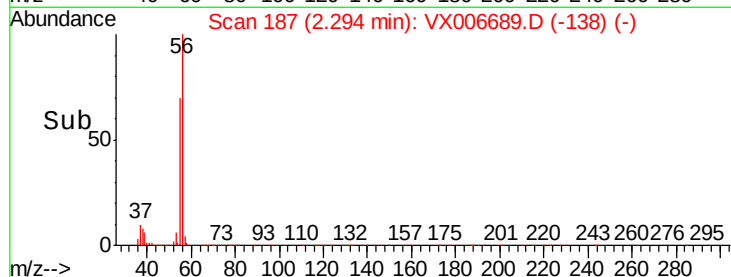
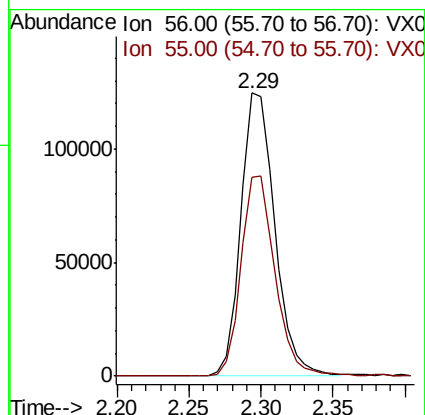
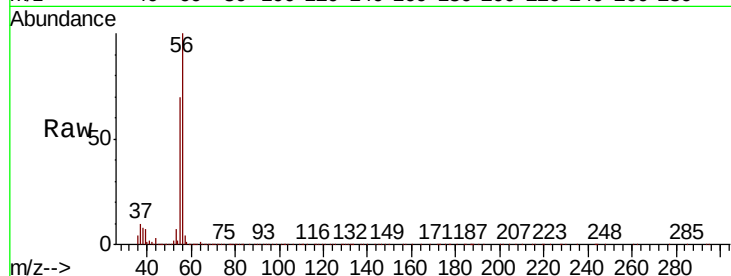
ClientSampled :

Tot Ion: 56 Resp: 203736

Ion Ratio Lower Upper

56 100

55 70.8 58.2 87.4



#14

Allyl chloride

Concen: 49.954 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

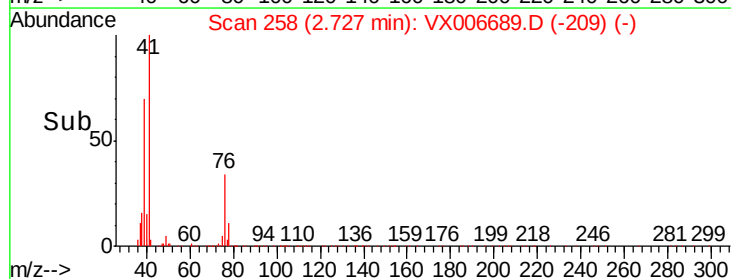
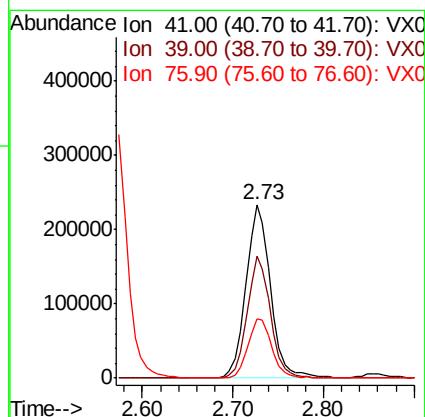
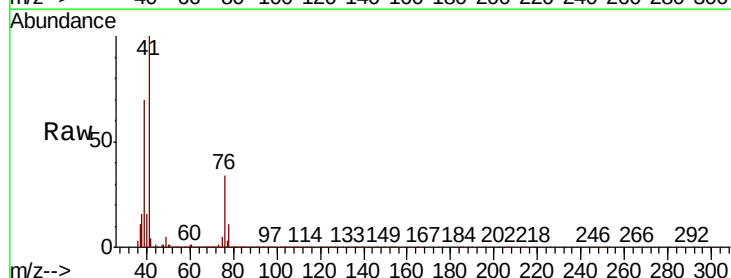
Tgt Ion: 41 Resp: 433677

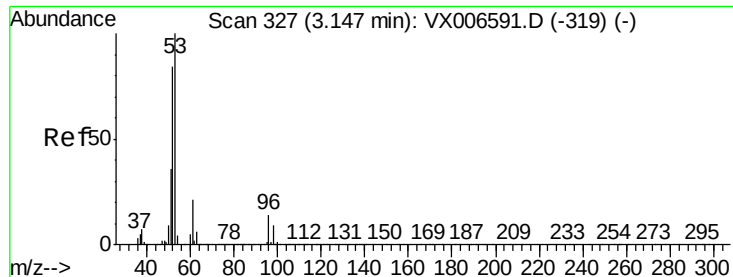
Ion Ratio Lower Upper

41 100

39 66.3 53.6 80.4

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 263.016 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

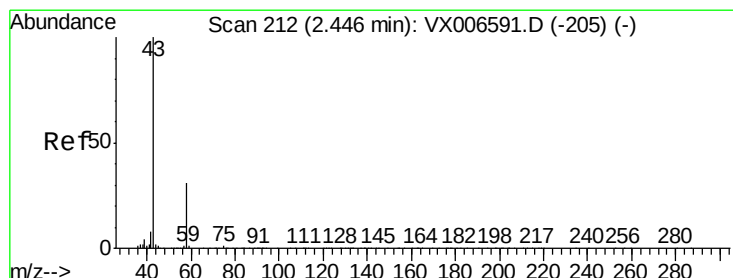
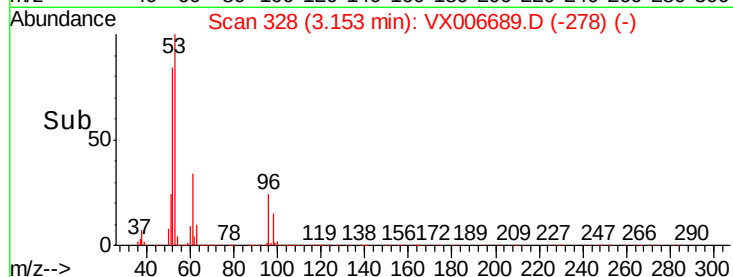
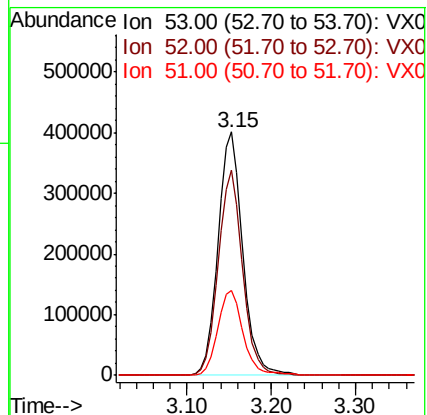
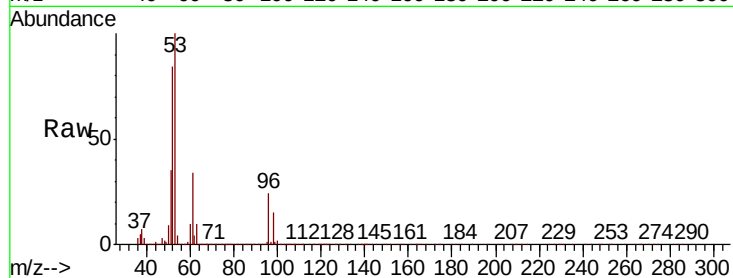
Tot Ion: 53 Resp: 810834

Ion Ratio Lower Upper

53 100

52 82.7 66.0 99.0

51 35.8 28.6 42.8



#16

Acetone

Concen: 235.658 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006689.D

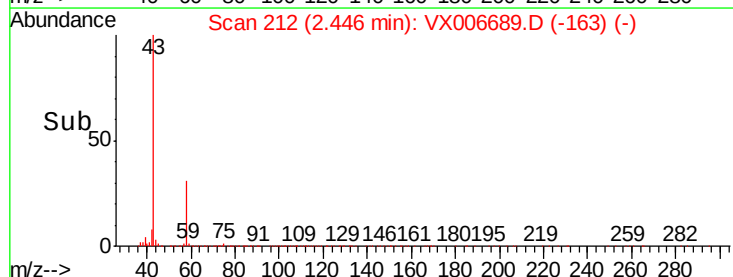
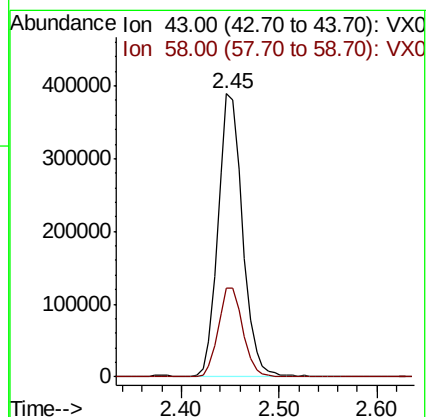
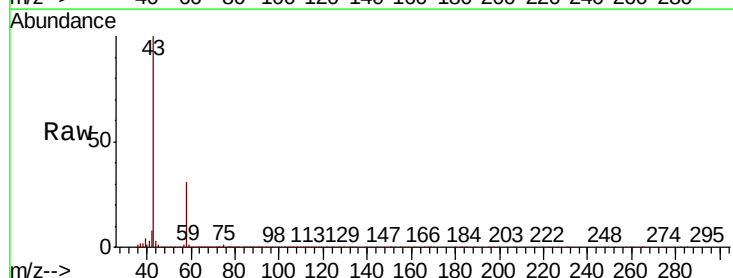
Acq: 20 Dec 2018 21:34

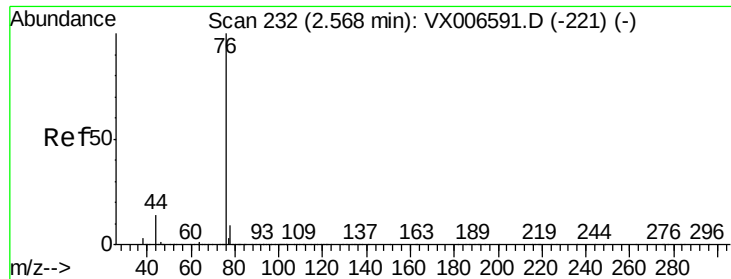
Tgt Ion: 43 Resp: 673593

Ion Ratio Lower Upper

43 100

58 31.4 25.0 37.6

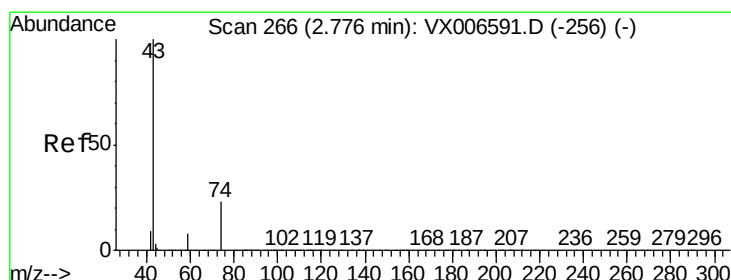
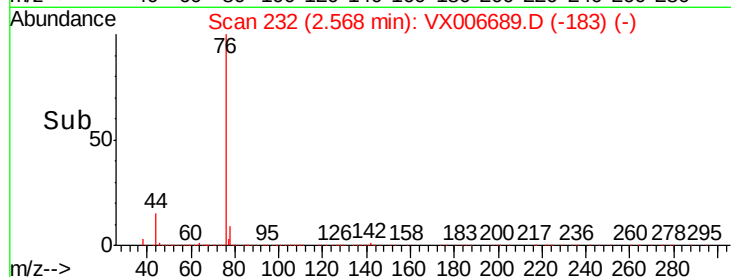
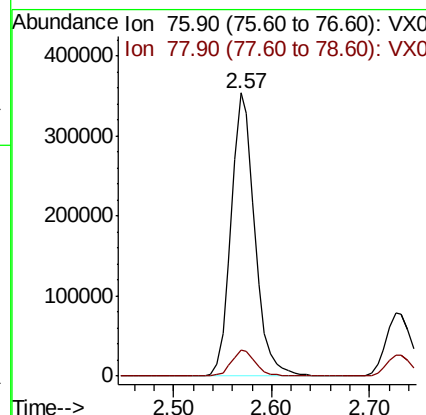
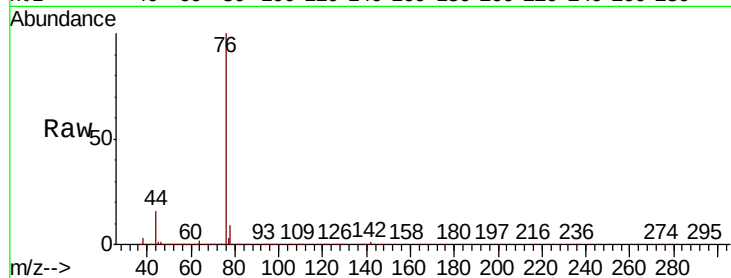




#17
Carbon Disulfide
Concen: 43.398 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

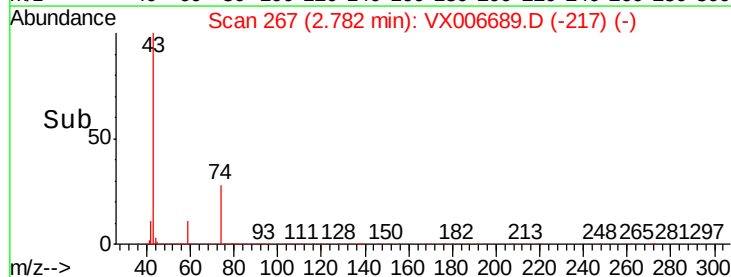
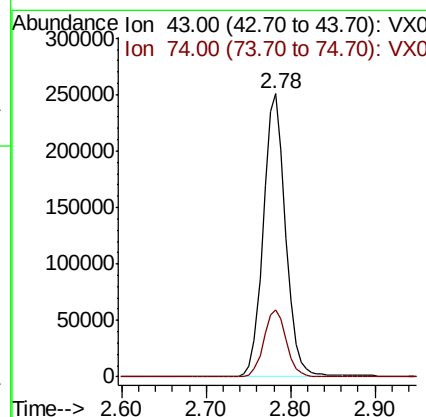
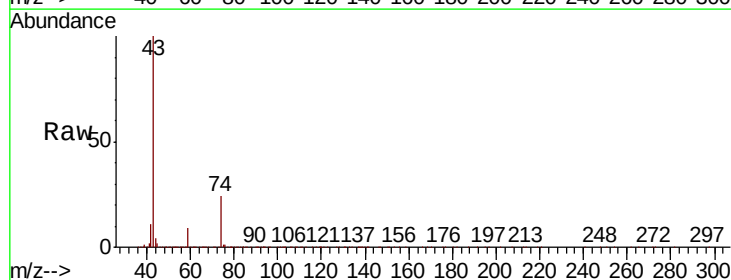
Instrument :
MSVOA_X
ClientSampleId :

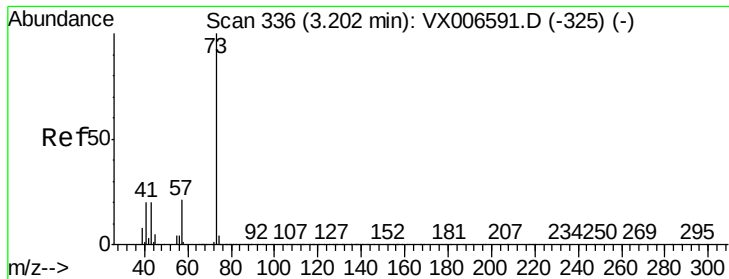
Tot Ion: 76 Resp: 592344
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 53.976 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 43 Resp: 453667
Ion Ratio Lower Upper
43 100
74 24.5 18.6 28.0

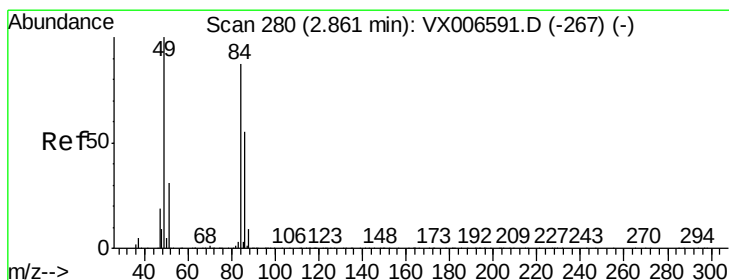
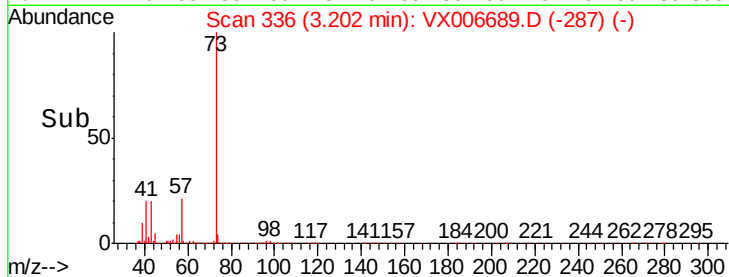
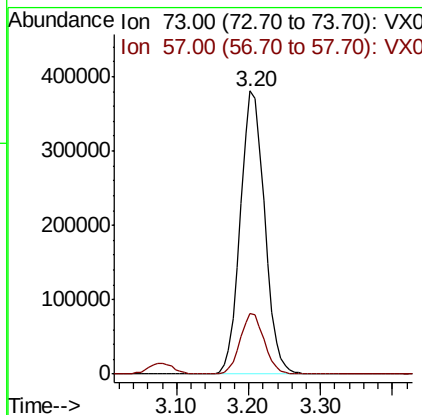
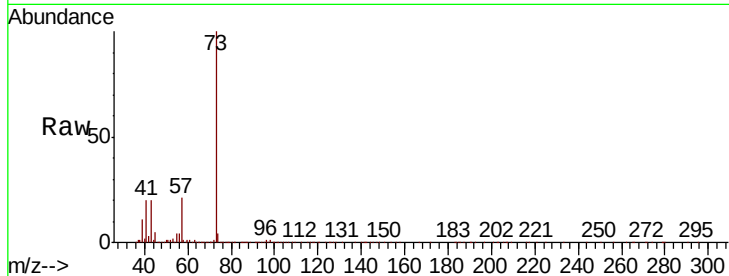




#19
Methyl tert-butyl Ether
Concen: 52.117 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

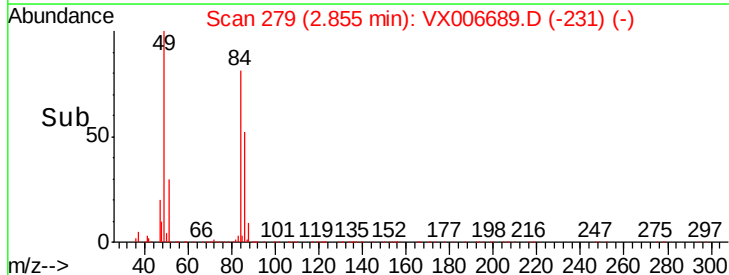
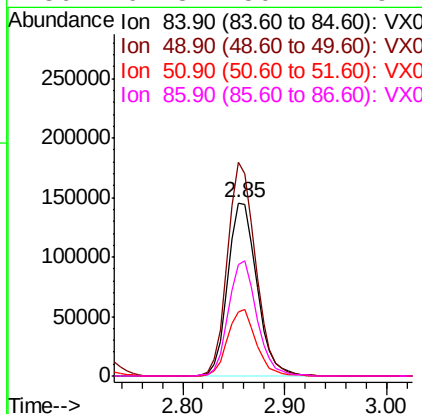
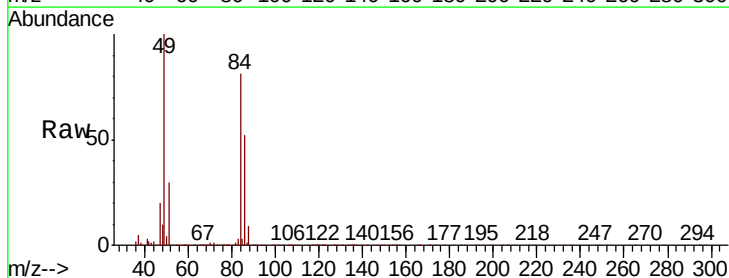
Instrument :
MSVOA_X
ClientSampleId :

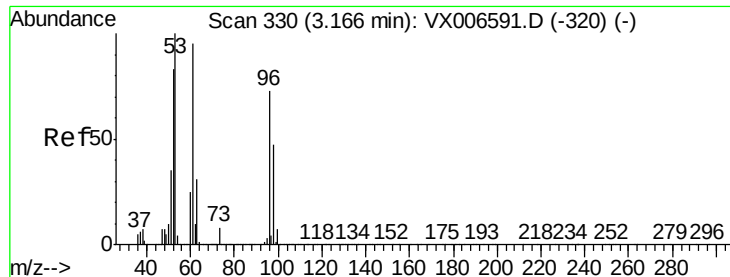
Tot Ion: 73 Resp: 892158
Ion Ratio Lower Upper
73 100
57 21.2 16.8 25.2



#20
Methylene Chloride
Concen: 48.470 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 84 Resp: 286483
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.6
51 37.2 28.5 42.7
86 64.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.486 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

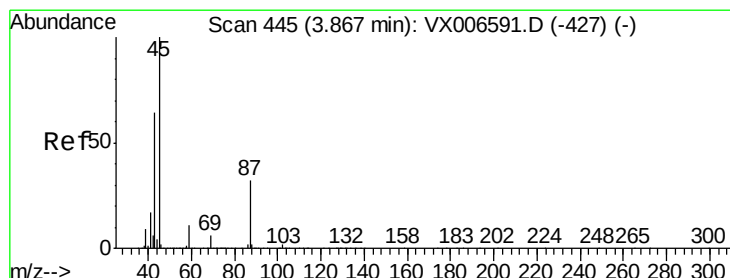
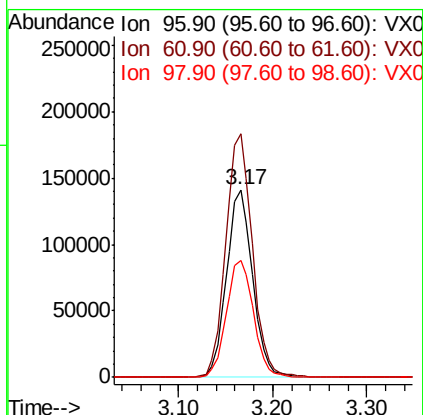
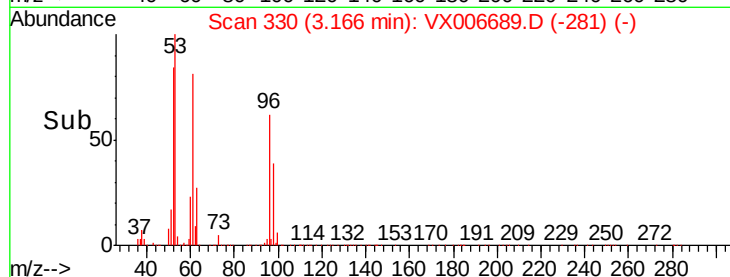
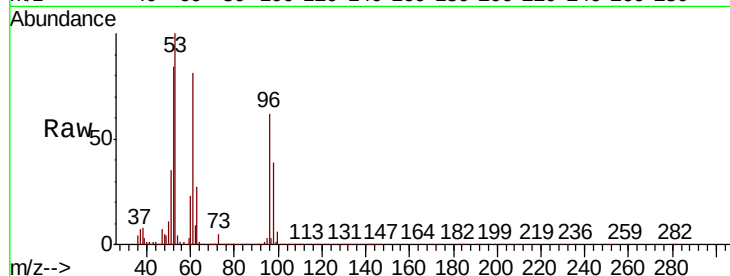
Tot Ion: 96 Resp: 271368

Ion Ratio Lower Upper

96 100

61 129.8 103.7 155.5

98 62.0 51.0 76.6



#22

Diisopropyl ether

Concen: 52.992 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion: 45 Resp: 841637

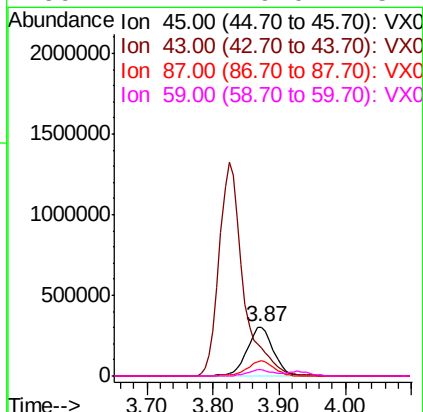
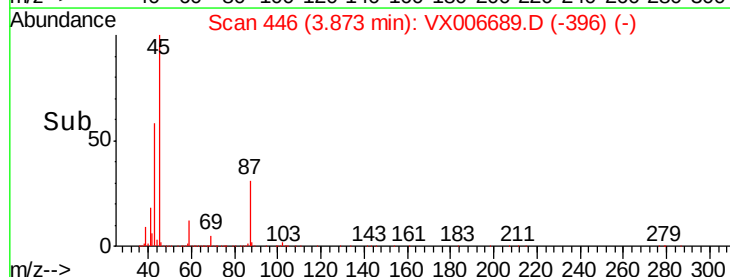
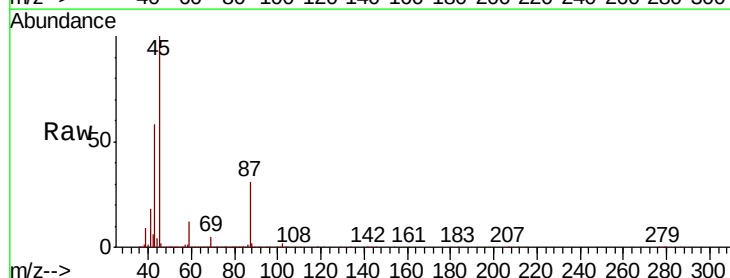
Ion Ratio Lower Upper

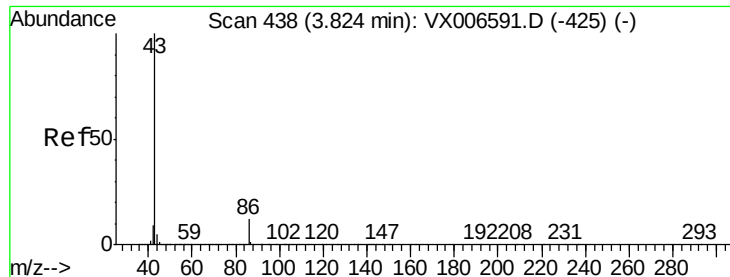
45 100

43 57.9 51.2 76.8

87 30.7 25.8 38.6

59 12.4 9.0 13.4





#23

Vinyl Acetate

Concen: 260.075 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

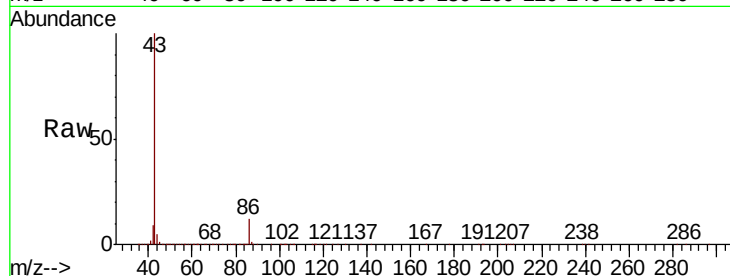
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 3378720

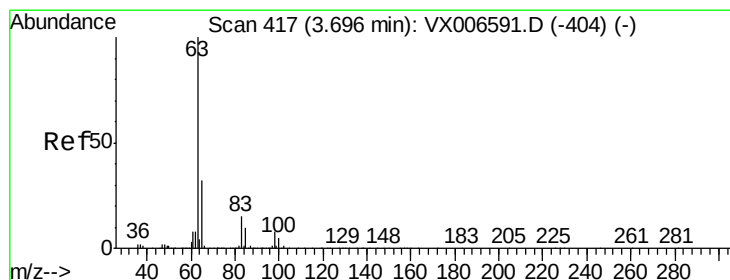
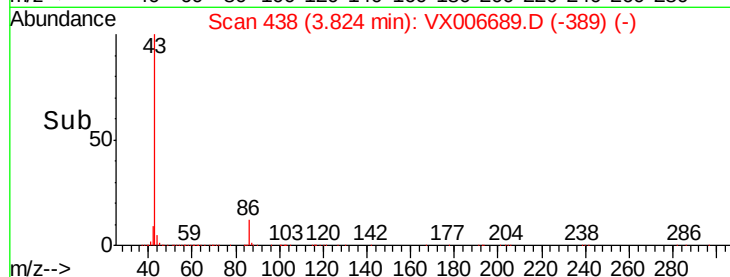
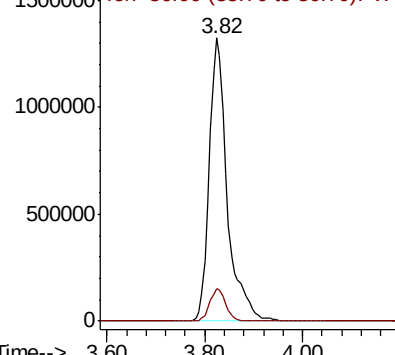
Ion Ratio Lower Upper

43 100

86 11.6 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.966 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

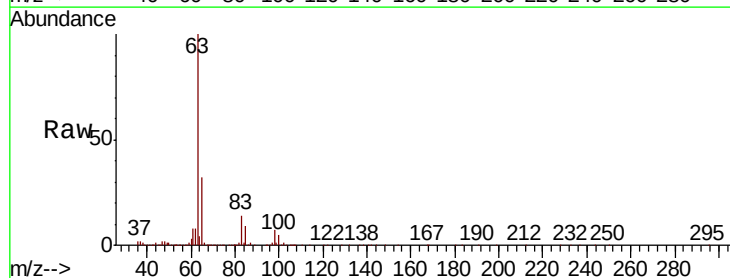
Tgt Ion: 63 Resp: 464248

Ion Ratio Lower Upper

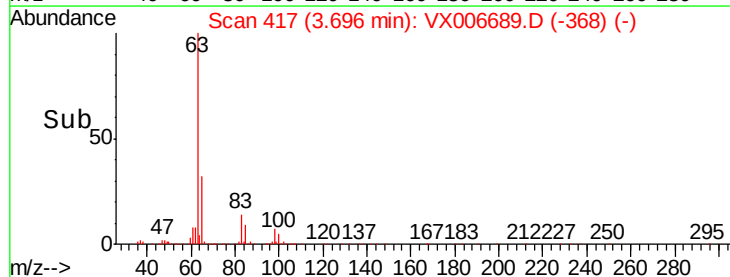
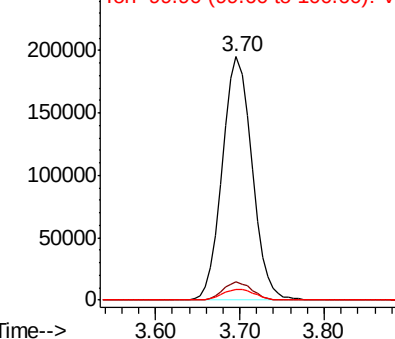
63 100

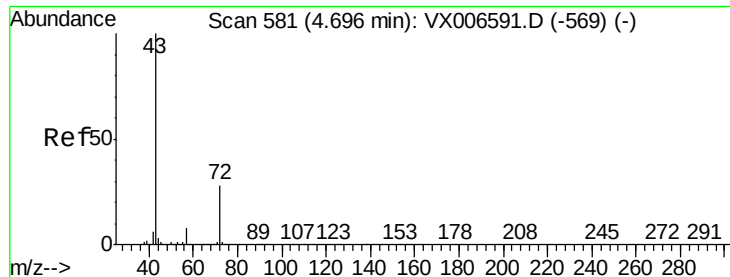
98 7.4 3.9 11.5

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.308 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

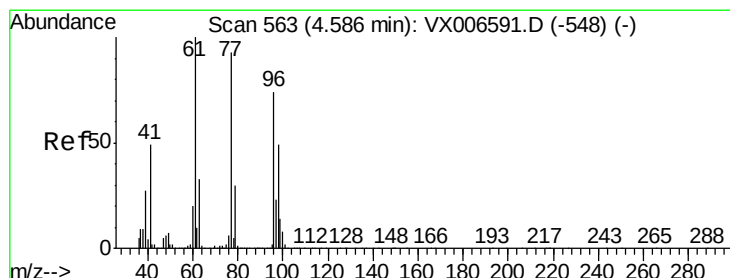
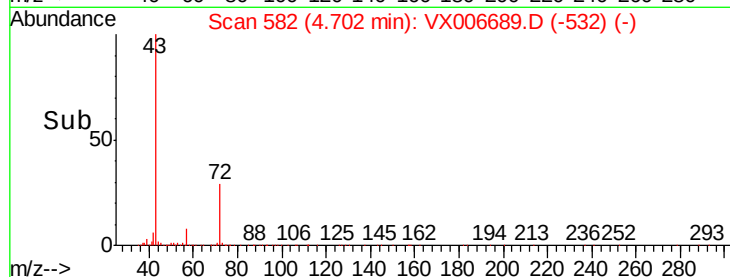
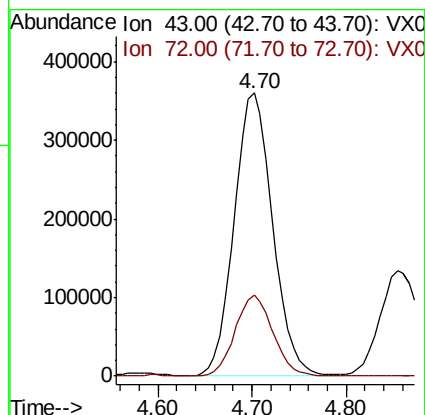
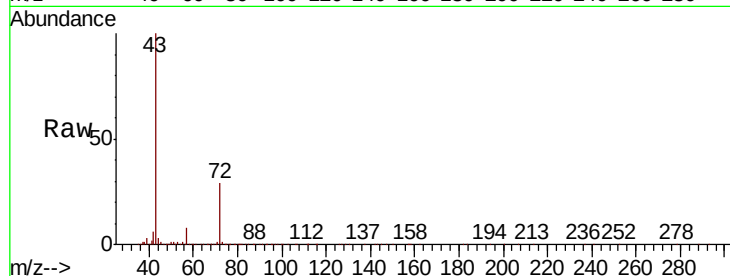
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1026498

Ion Ratio Lower Upper

43 100

72 28.7 22.4 33.6



#26

2,2-Dichloropropane

Concen: 43.286 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006689.D

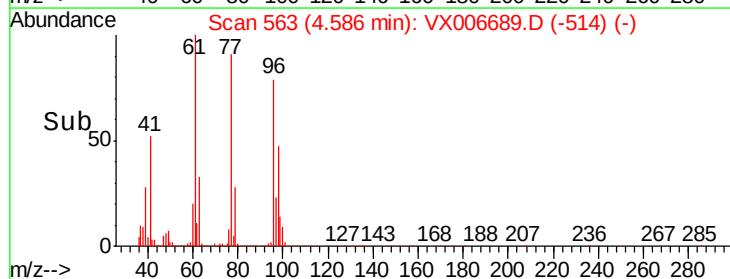
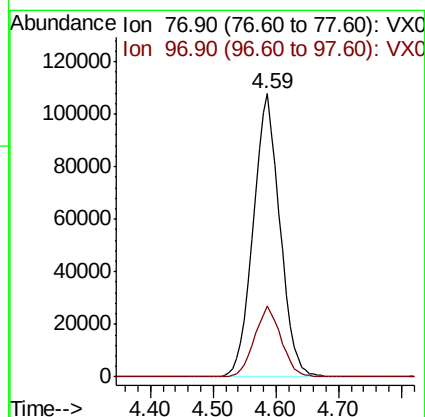
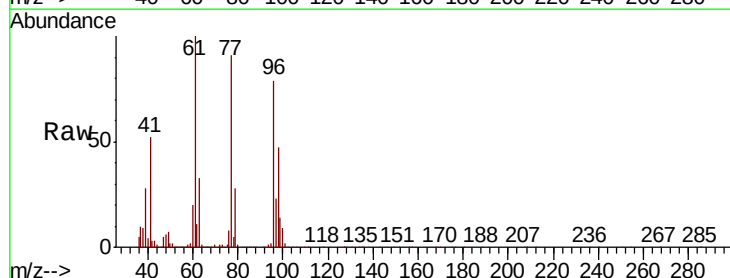
Acq: 20 Dec 2018 21:34

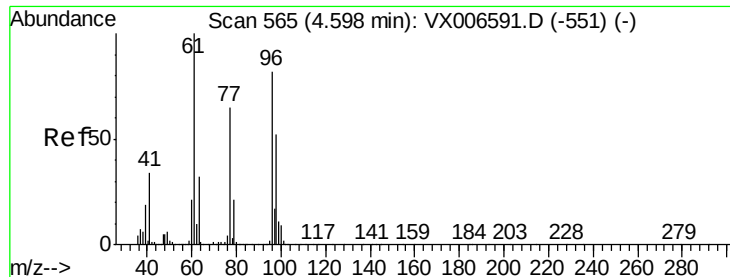
Tgt Ion: 77 Resp: 317017

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4



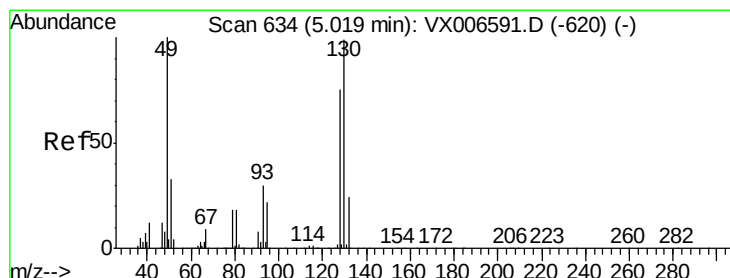
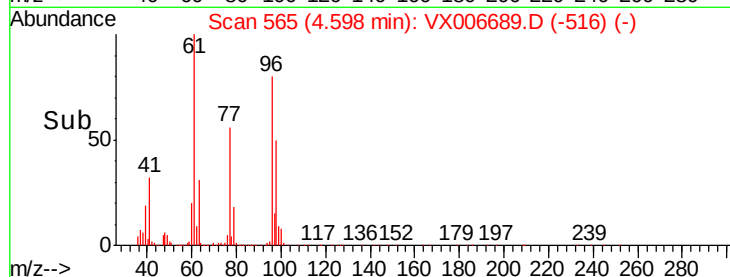
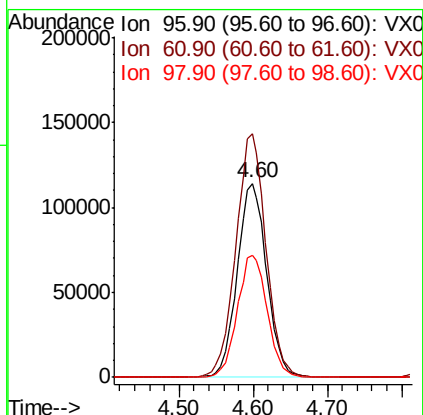
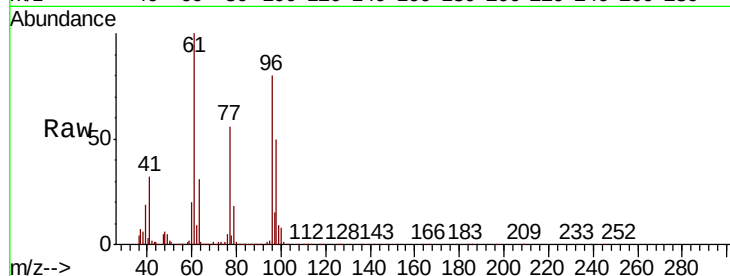


#27

cis-1,2-Dichloroethene
 Concen: 50.223 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :

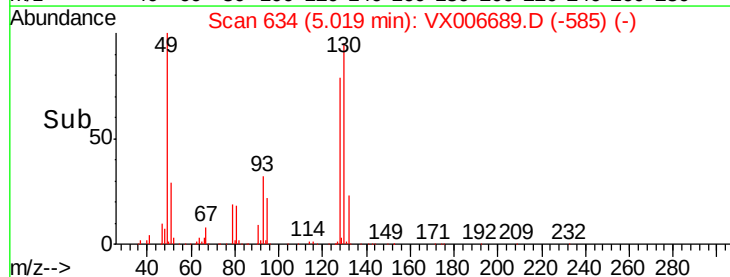
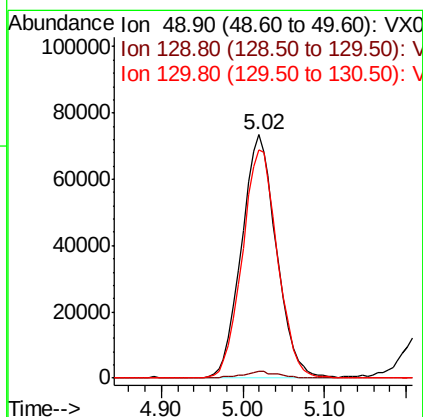
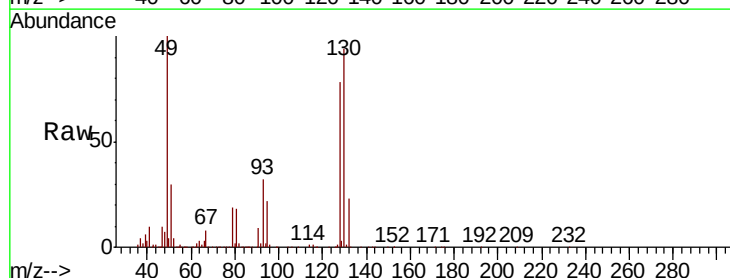
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	258.6
98	64.0	0.0	132.0

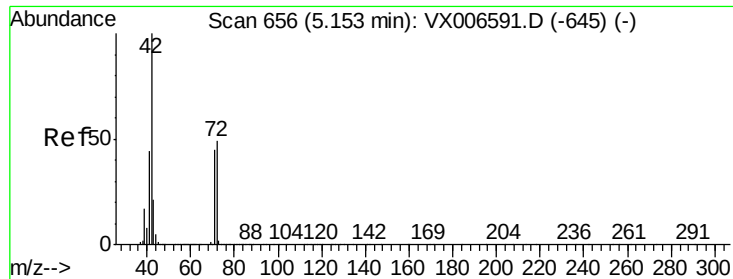


#28

Bromochloromethane
 Concen: 54.839 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	94.8	77.7	116.5

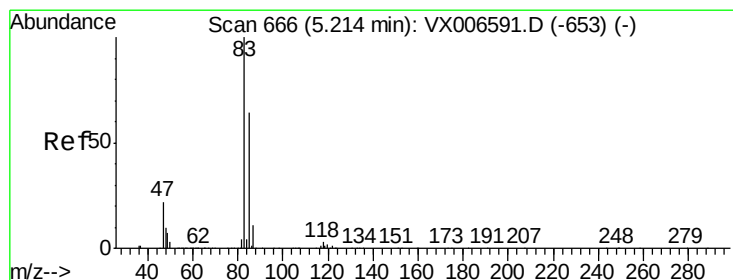
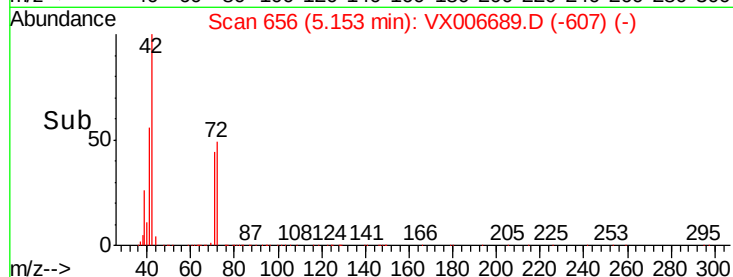
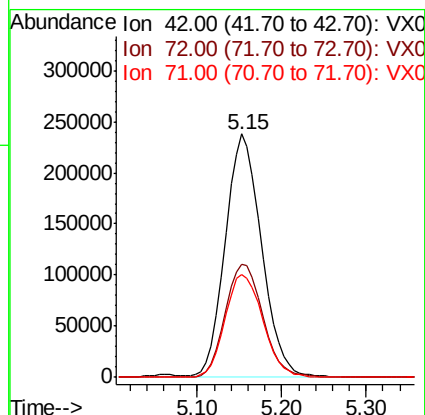
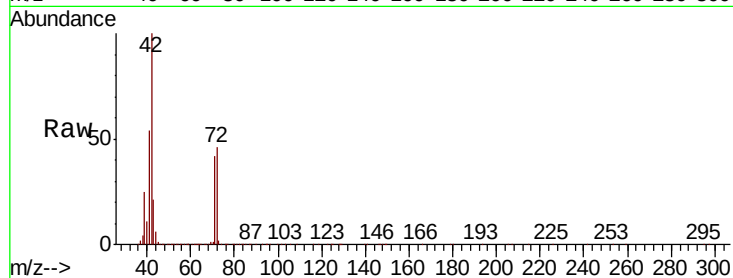




#29
Tetrahydrofuran
Concen: 262.046 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

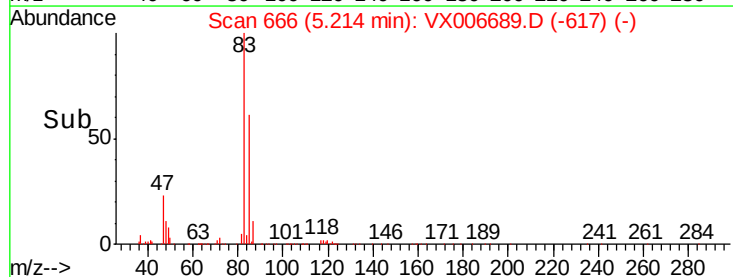
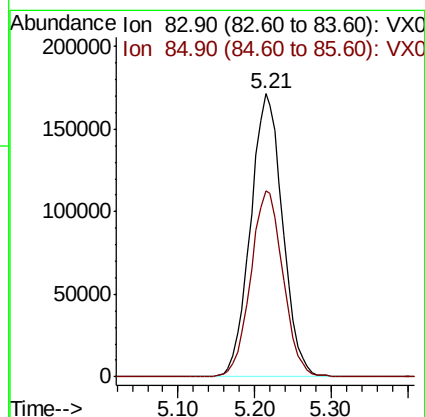
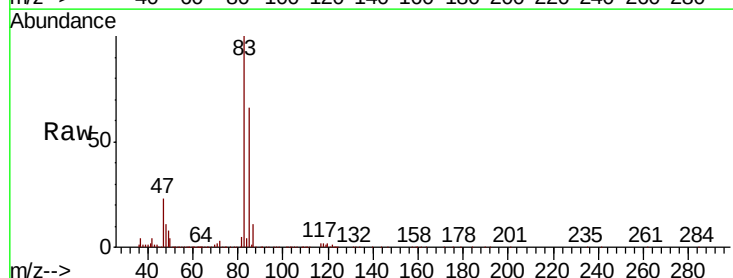
Instrument :
MSVOA_X
ClientSampleId :

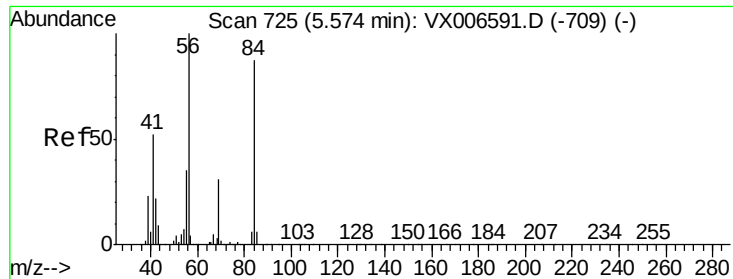
Tot Ion: 42 Resp: 693926
Ion Ratio Lower Upper
42 100
72 48.7 38.9 58.3
71 44.2 36.2 54.4



#30
Chloroform
Concen: 50.891 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 83 Resp: 499658
Ion Ratio Lower Upper
83 100
85 65.9 51.2 76.8

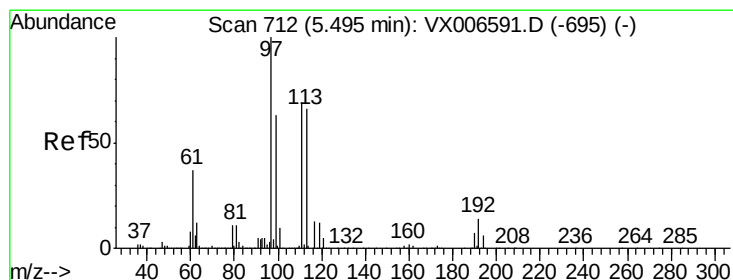
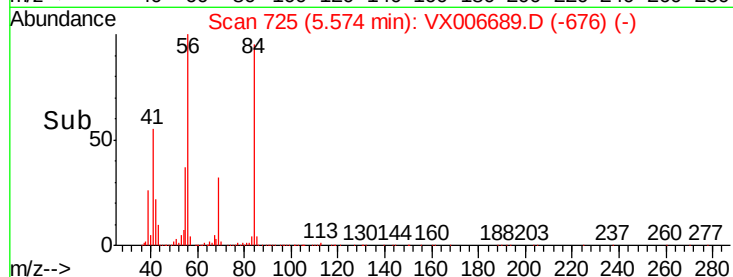
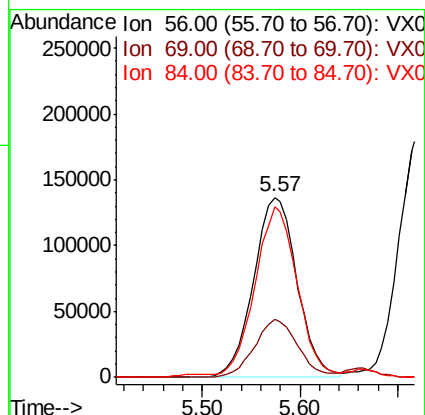
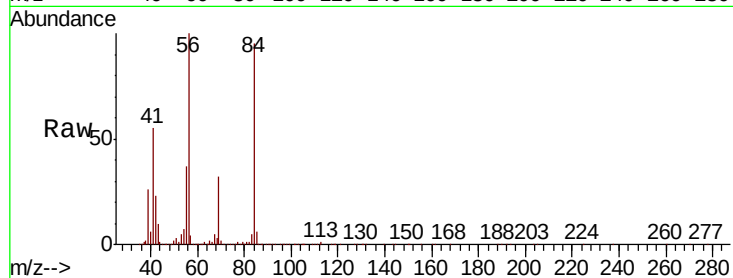




#31
Cyclohexane
Concen: 48.838 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

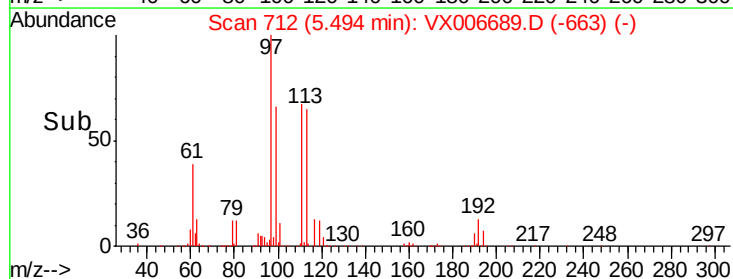
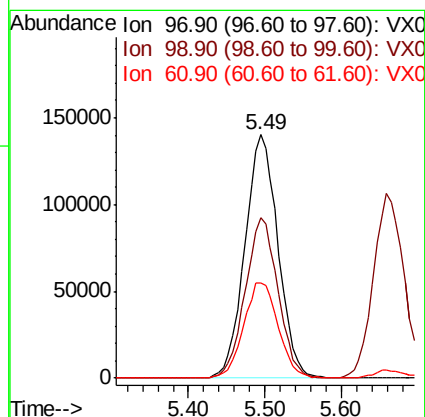
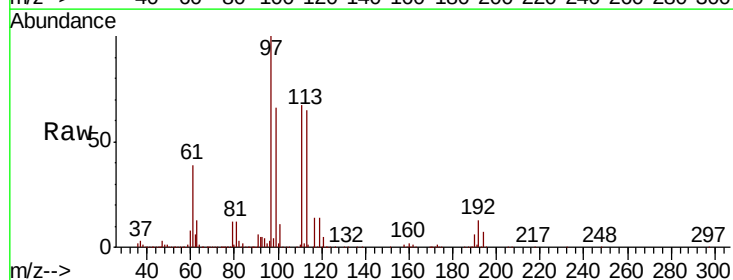
Instrument :
MSVOA_X
ClientSampleId :

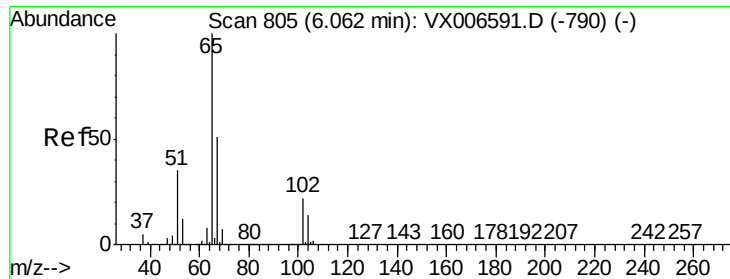
Tot Ion: 56 Resp: 420658
Ion Ratio Lower Upper
56 100
69 32.3 24.4 36.6
84 93.5 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 50.784 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 97 Resp: 421015
Ion Ratio Lower Upper
97 100
99 65.5 51.7 77.5
61 40.8 31.3 46.9

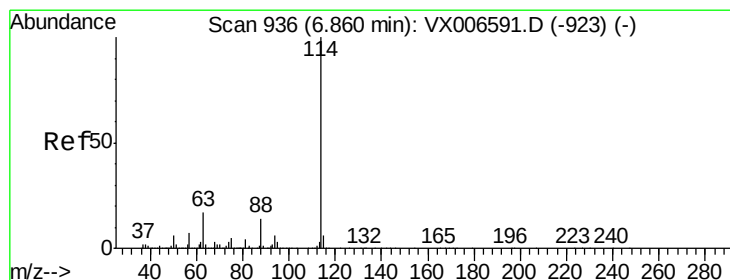
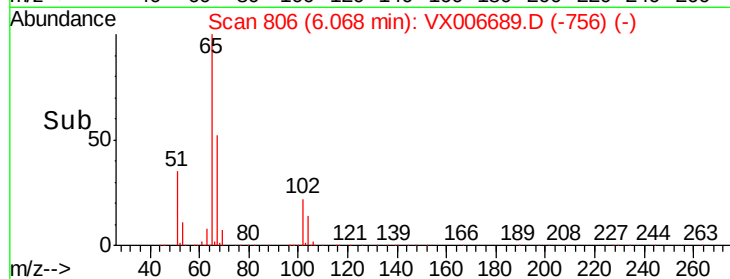
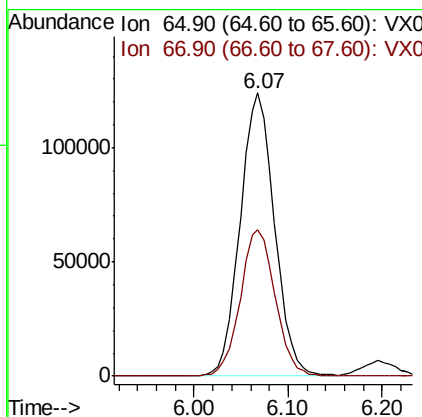
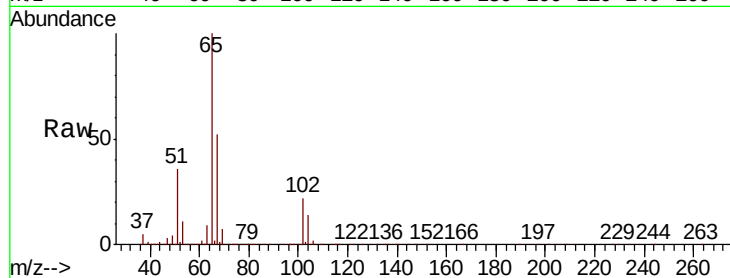




#33
 1,2-Dichloroethane-d4
 Concen: 50.913 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

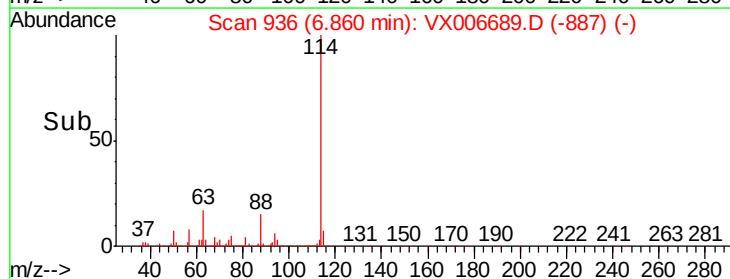
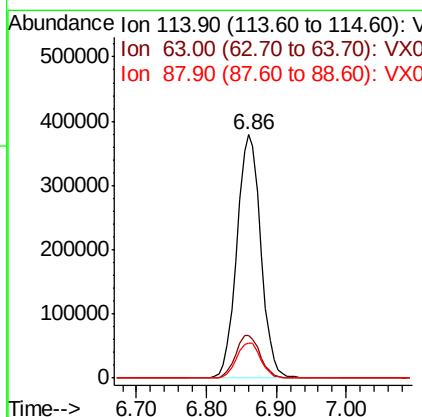
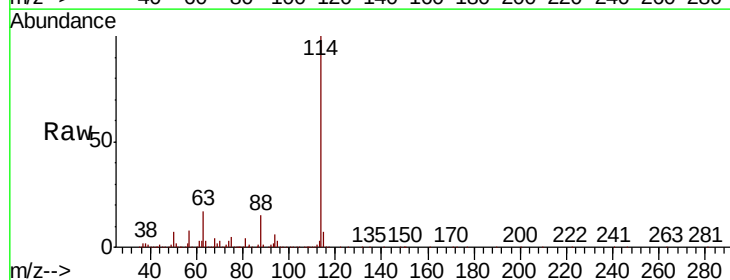
Instrument :
 MSVOA_X
 ClientSampleId :

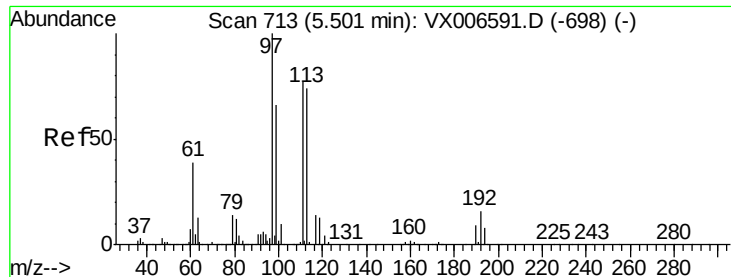
Tot Ion: 65 Resp: 316755
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion: 114 Resp: 896871
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.8
 88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 50.524 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

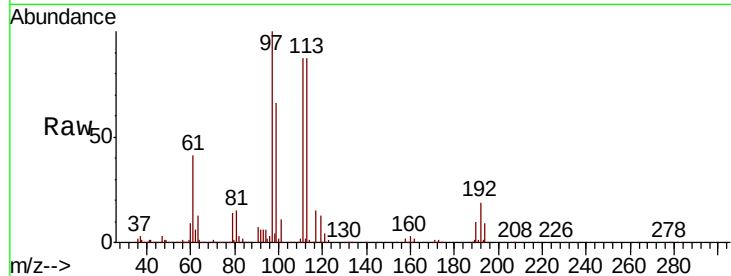
Tot Ion:113 Resp: 286554

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

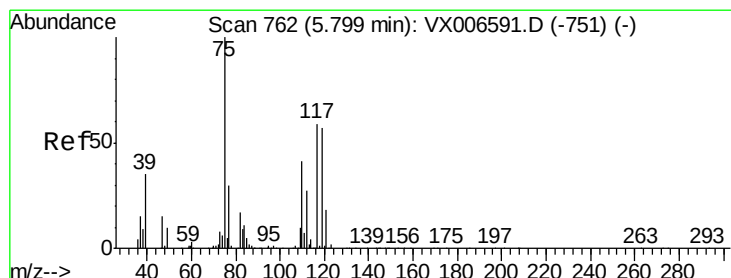
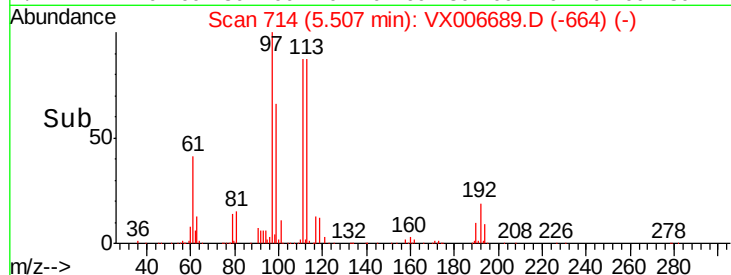
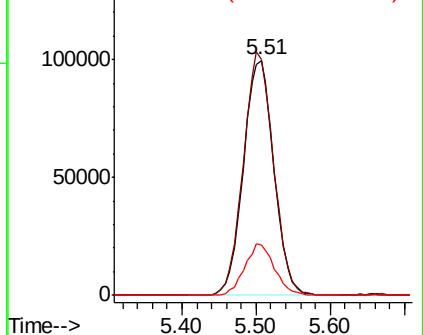
192 21.4 16.7 25.1



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: 49.196 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

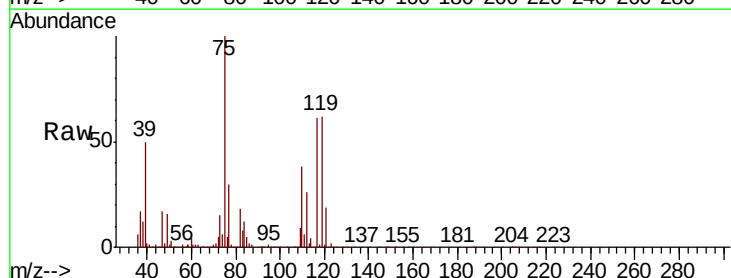
Tgt Ion: 75 Resp: 365437

Ion Ratio Lower Upper

75 100

110 39.6 20.2 60.5

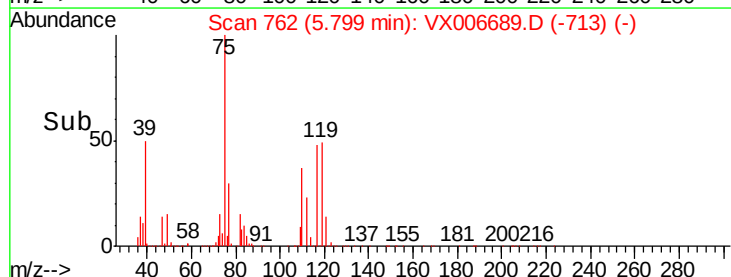
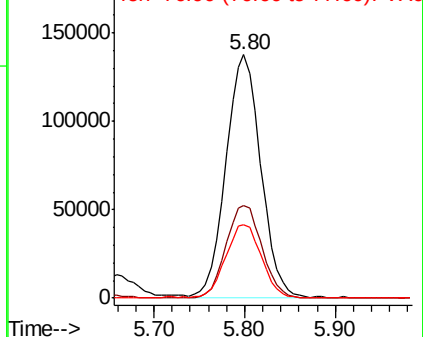
77 31.3 24.8 37.2

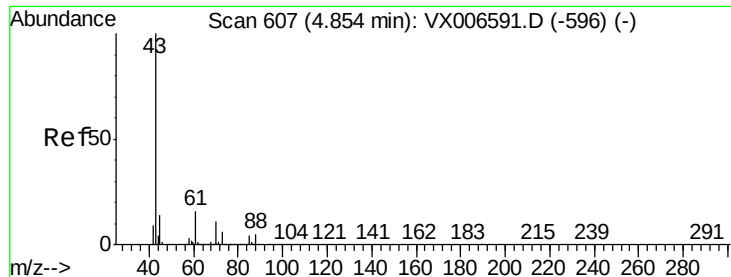


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

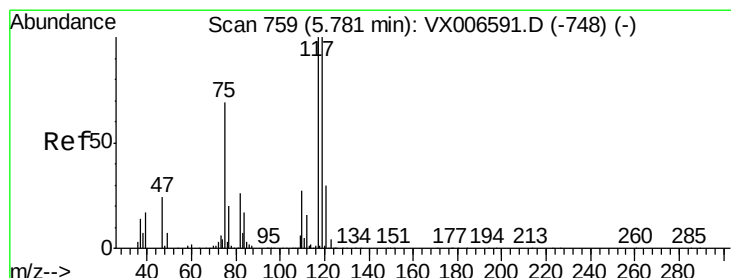
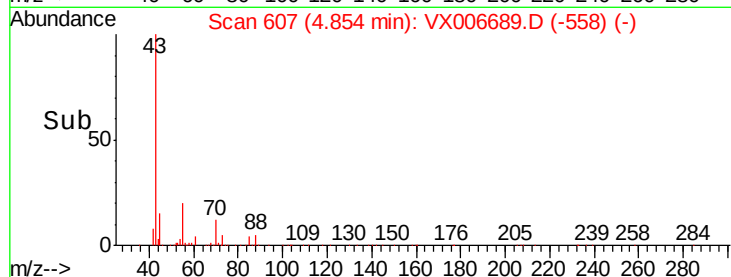
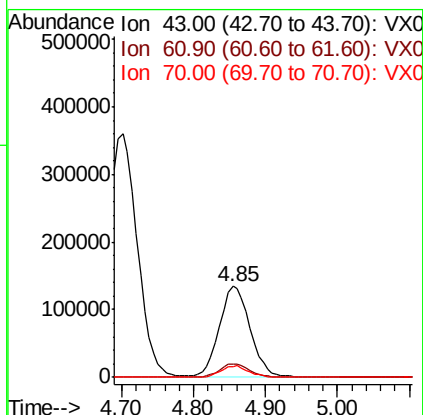
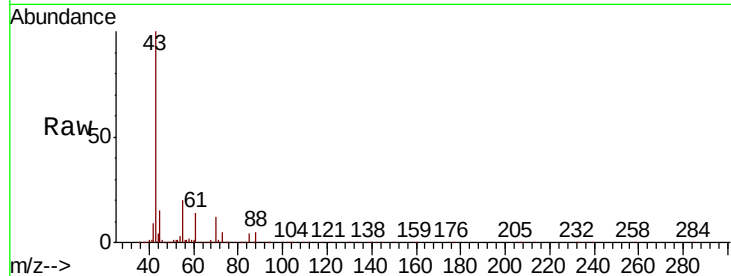




#37
Ethyl Acetate
Concen: 51.551 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

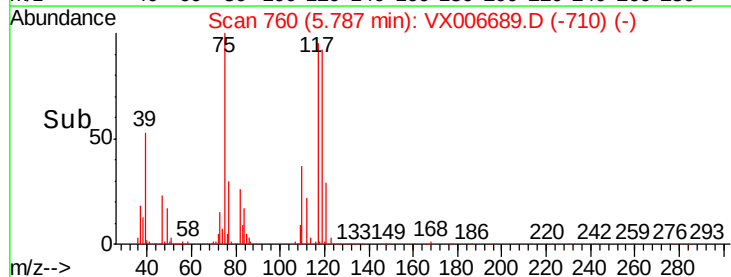
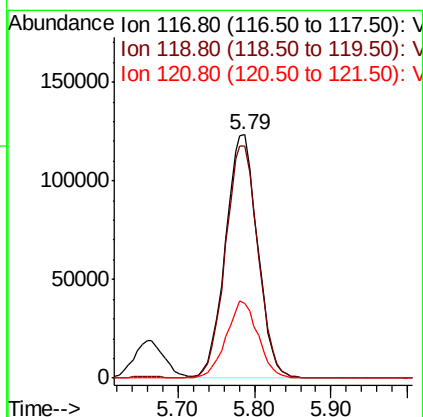
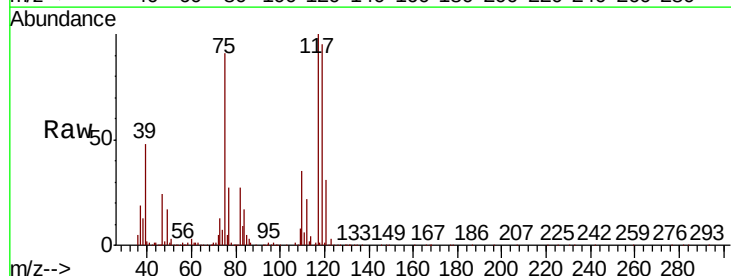
Instrument :
MSVOA_X
ClientSampled :

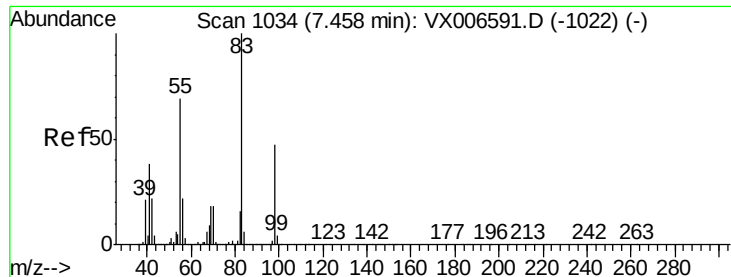
Tot Ion: 43 Resp: 398563
Ion Ratio Lower Upper
43 100
61 14.4 11.9 17.9
70 11.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 49.529 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 117 Resp: 357548
Ion Ratio Lower Upper
117 100
119 95.4 79.4 119.2
121 30.6 24.0 36.0

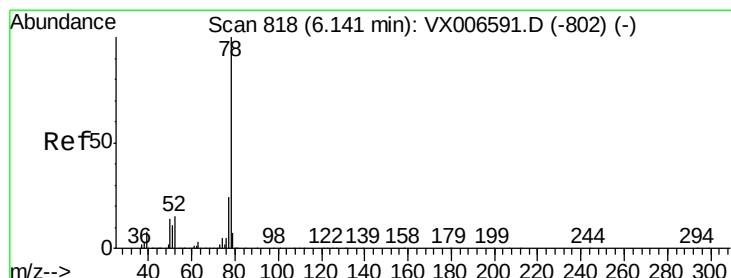
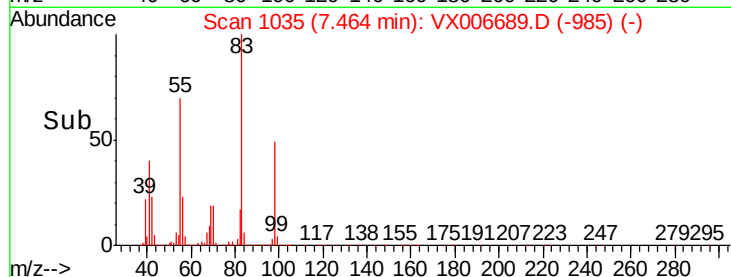
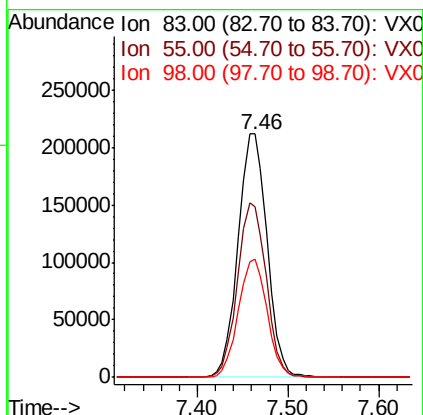
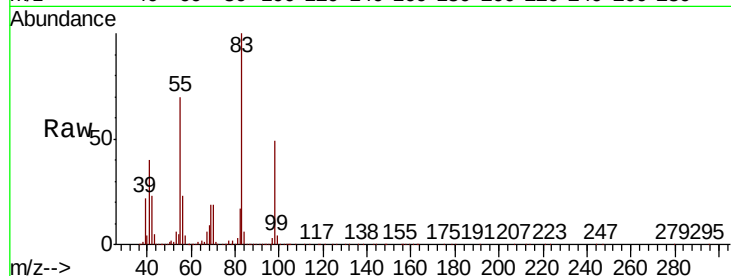




#39
Methylvlcyclohexane
Concen: 48.073 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

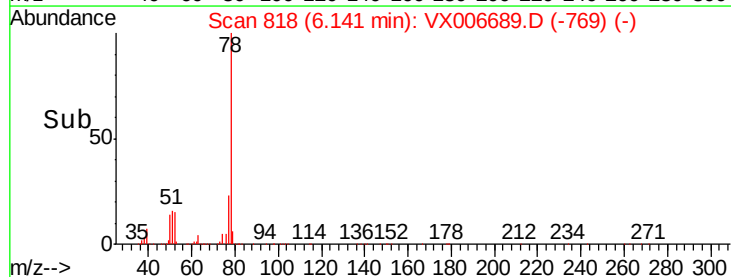
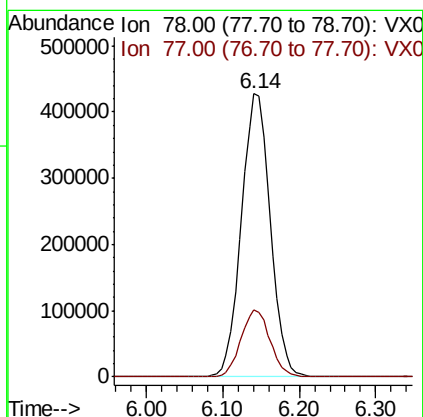
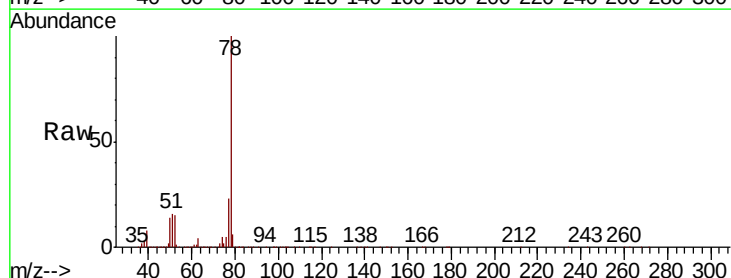
Instrument :
MSVOA_X
ClientSampleId :

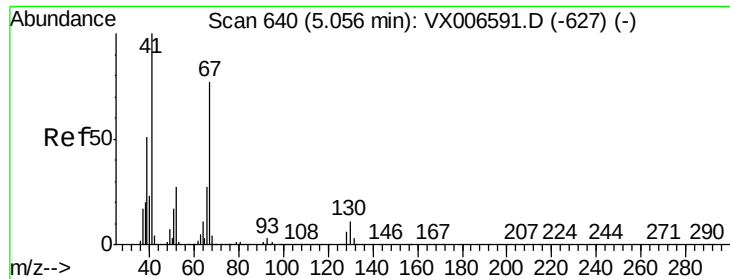
Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	54.9	82.3
98	48.6	37.9	56.9



#40
Benzene
Concen: 49.911 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 53.211 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 218416

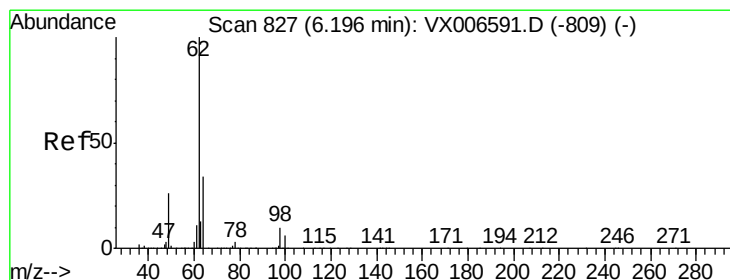
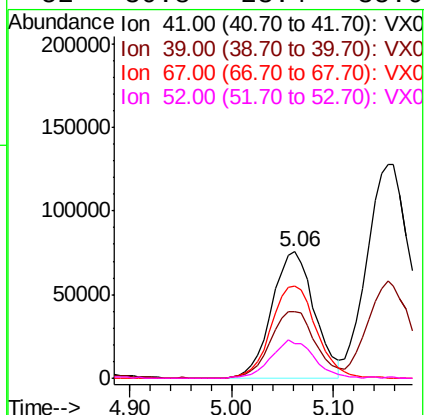
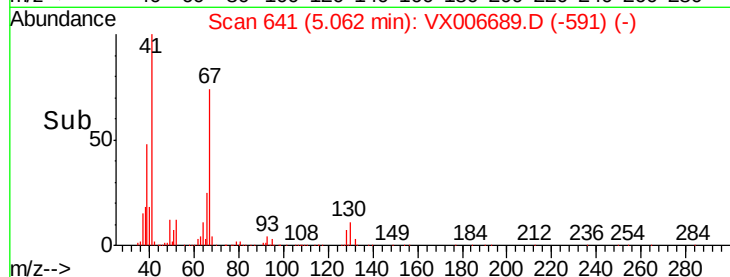
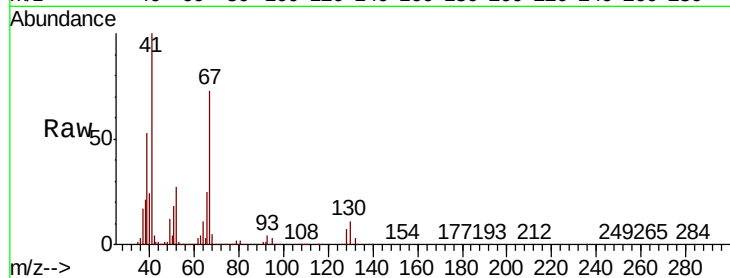
Ion Ratio Lower Upper

41 100

39 56.0 42.8 64.2

67 77.9 62.1 93.1

52 30.8 23.4 35.0



#42

1,2-Dichloroethane

Concen: 49.433 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006689.D

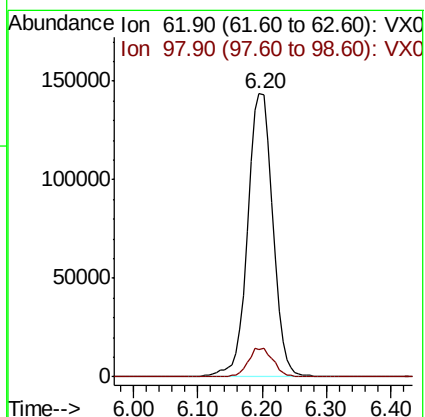
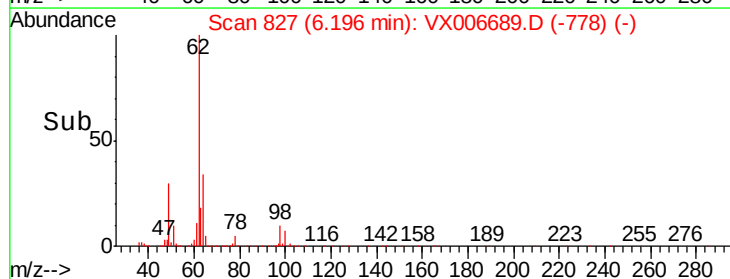
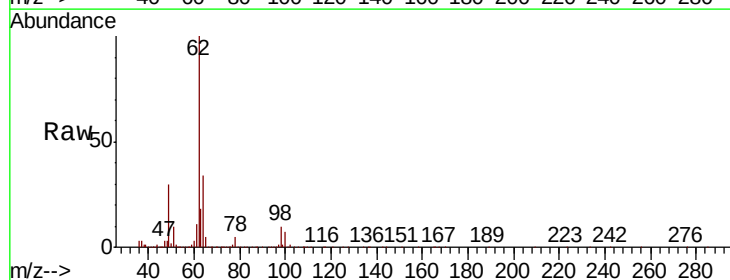
Acq: 20 Dec 2018 21:34

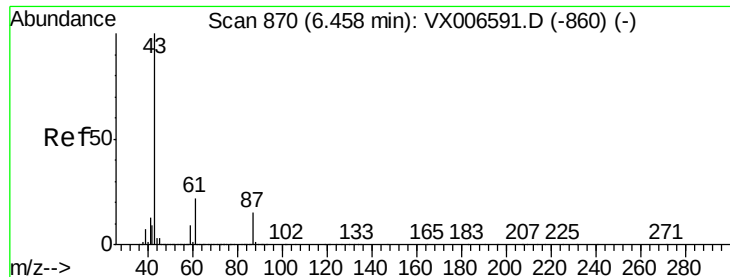
Tgt Ion: 62 Resp: 380333

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 52.777 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

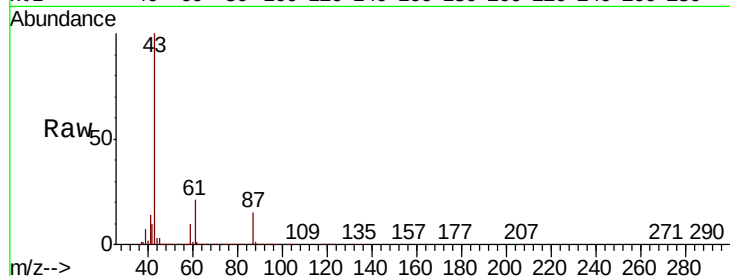
Tot Ion: 43 Resp: 620849

Ion Ratio Lower Upper

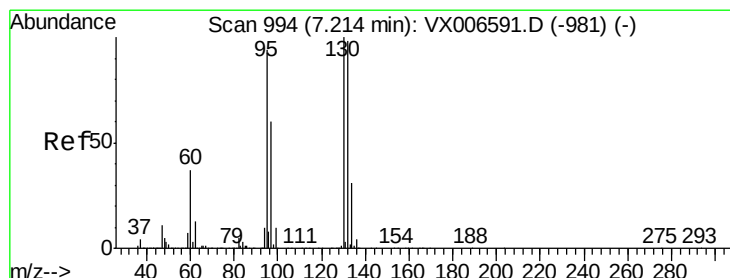
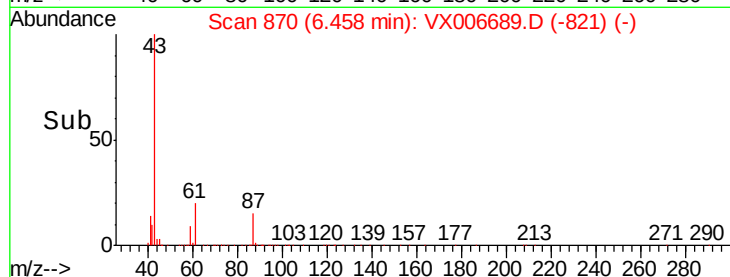
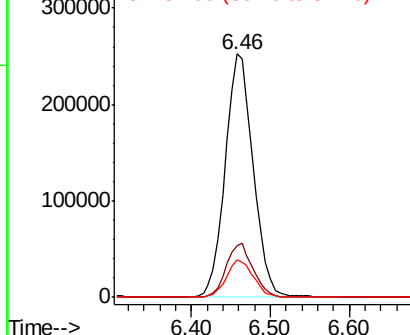
43 100

61 21.4 16.8 25.2

87 15.0 12.4 18.6



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



#44

Trichloroethene

Concen: 48.599 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006689.D

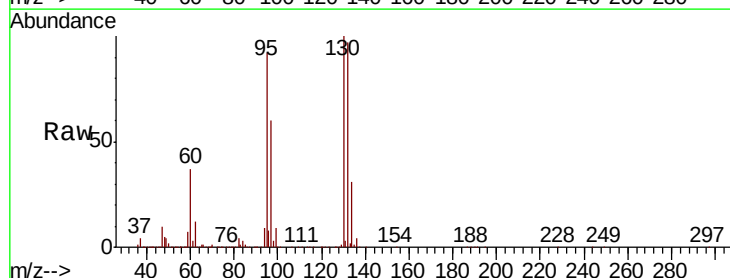
Acq: 20 Dec 2018 21:34

Tgt Ion:130 Resp: 332123

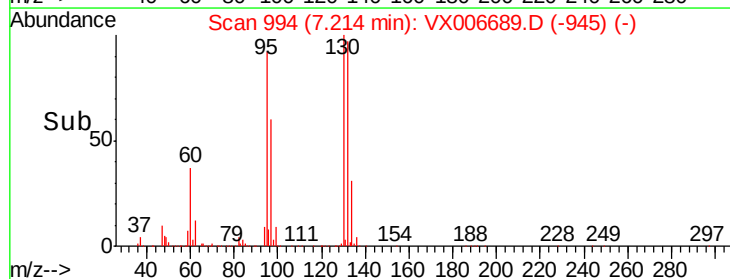
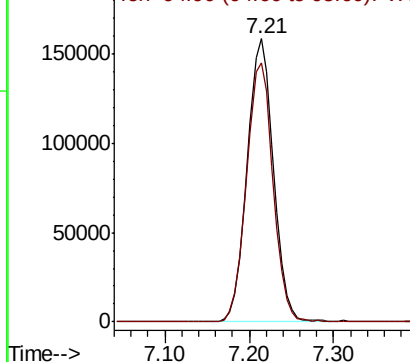
Ion Ratio Lower Upper

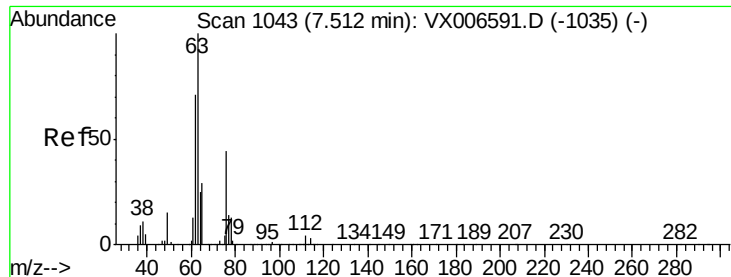
130 100

95 91.6 0.0 187.0



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





#45

1,2-Dichloropropane

Concen: 51.437 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

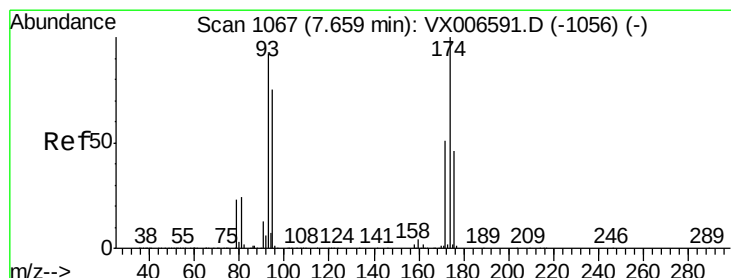
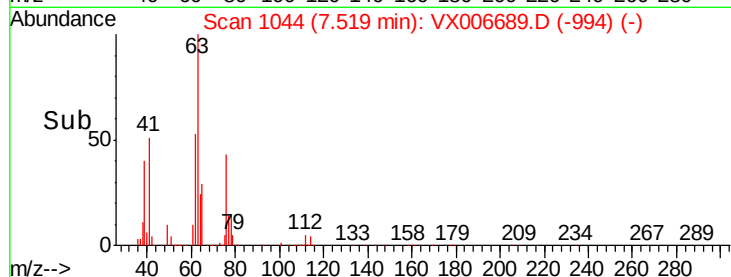
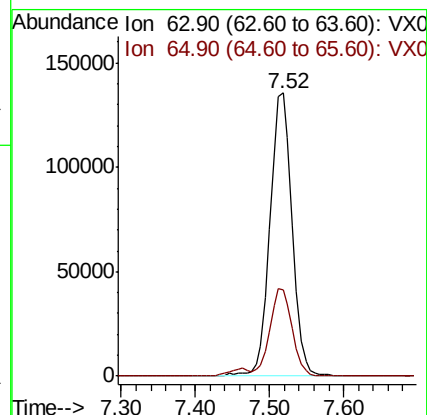
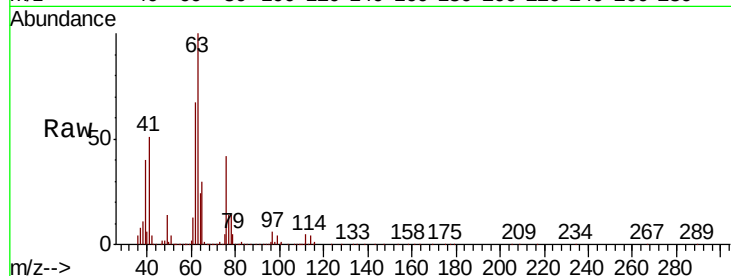
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 282627

Ion Ratio Lower Upper

63 100

65 30.4 25.4 38.0



#46

Dibromomethane

Concen: 50.655 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

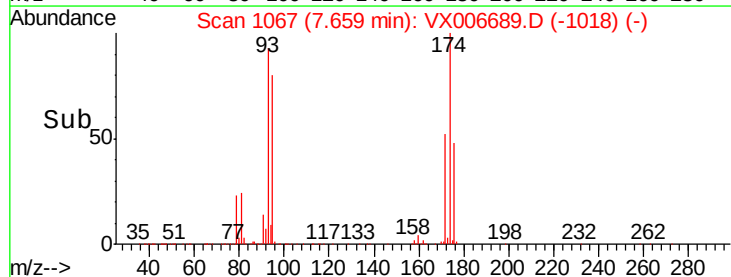
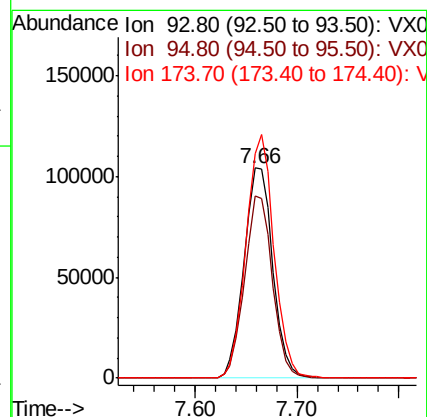
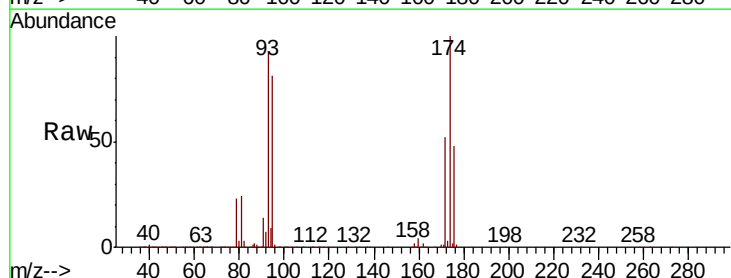
Tgt Ion: 93 Resp: 204728

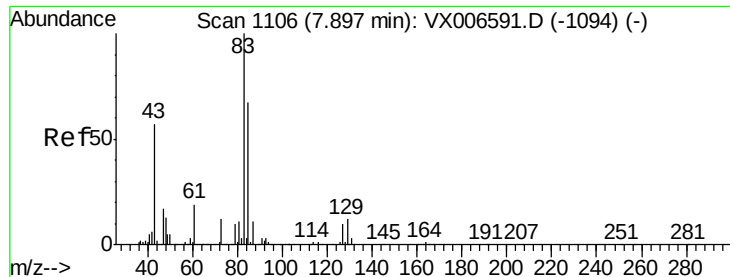
Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.4

174 112.6 91.0 136.4





#47

Bromodichloromethane

Concen: 52.361 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampled :

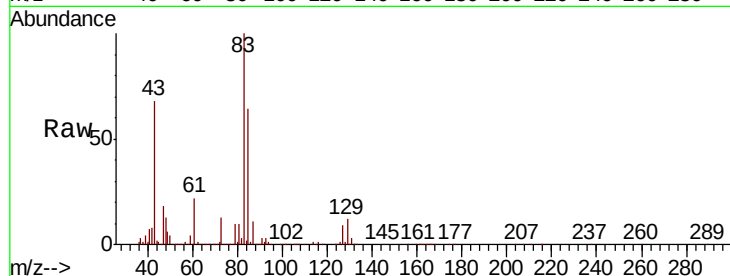
Tot Ion: 83 Resp: 351339

Ion Ratio Lower Upper

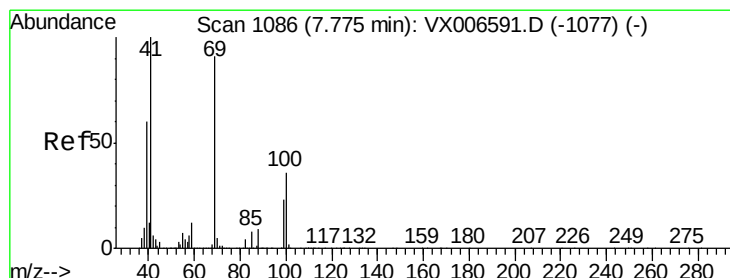
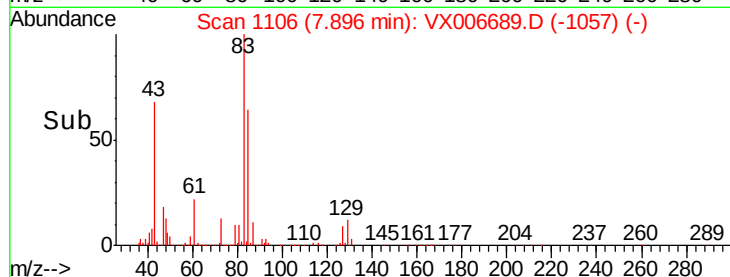
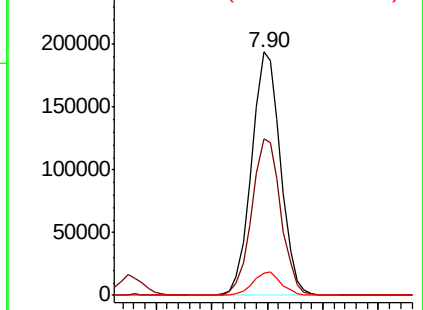
83 100

85 64.3 53.2 79.8

127 9.3 7.8 11.6



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



#48

Methyl methacrylate

Concen: 54.022 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

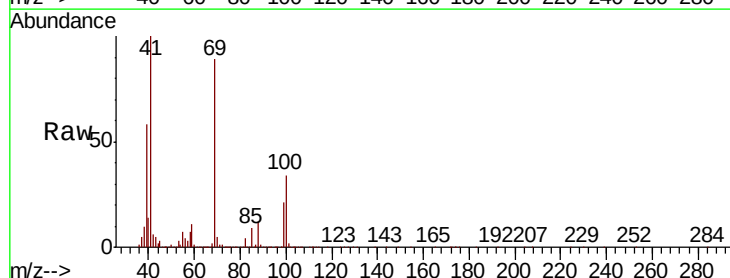
Tgt Ion: 41 Resp: 323169

Ion Ratio Lower Upper

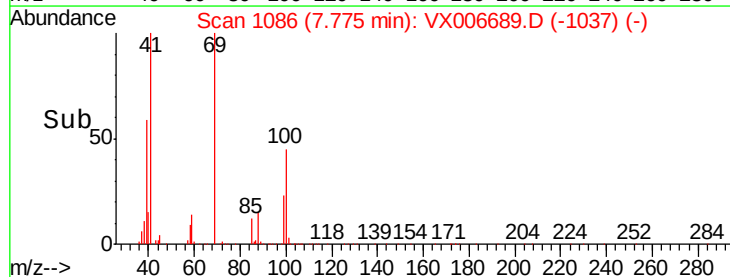
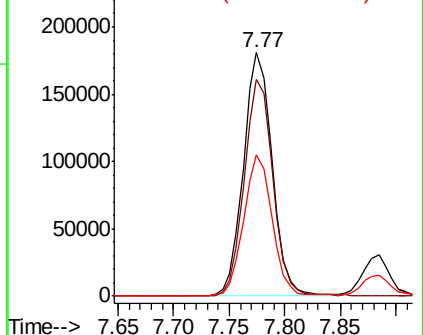
41 100

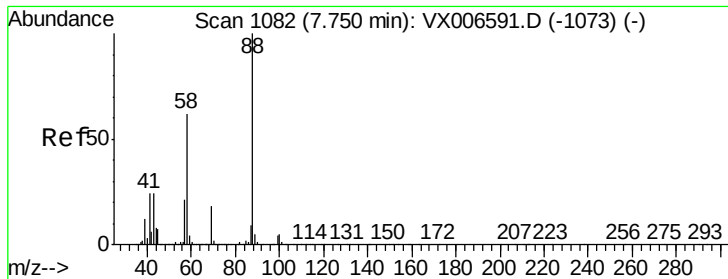
69 89.3 72.4 108.6

39 57.6 45.8 68.8



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: 1032.322 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

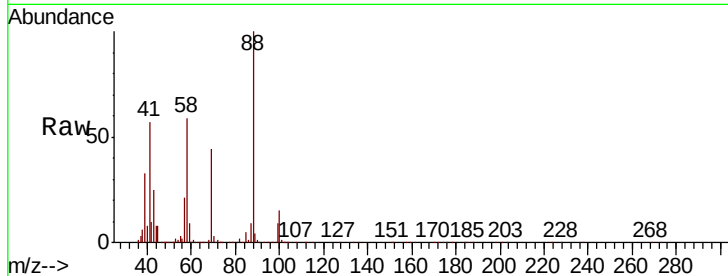
Tot Ion: 88 Resp: 161478

Ion Ratio Lower Upper

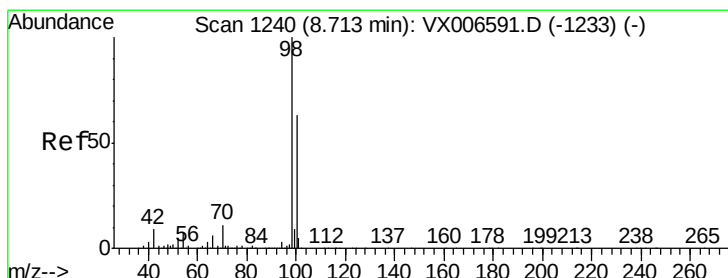
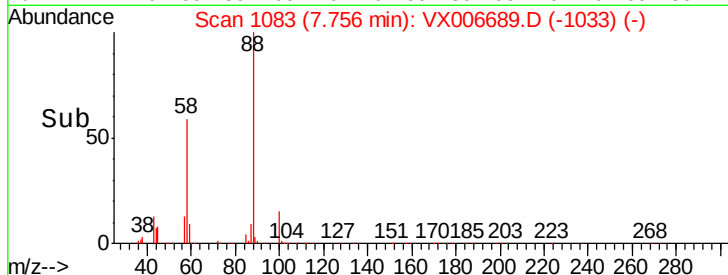
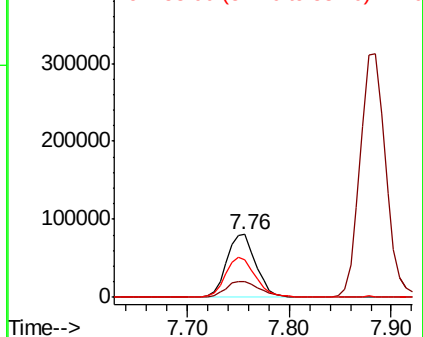
88 100

43 28.9 22.2 33.4

58 64.1 51.0 76.4



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



#50

Toluene-d8

Concen: 50.943 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006689.D

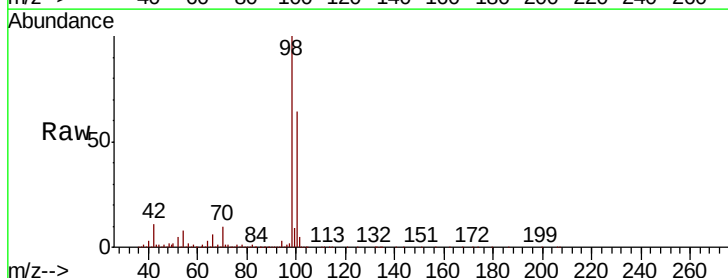
Acq: 20 Dec 2018 21:34

Tgt Ion: 98 Resp: 1089268

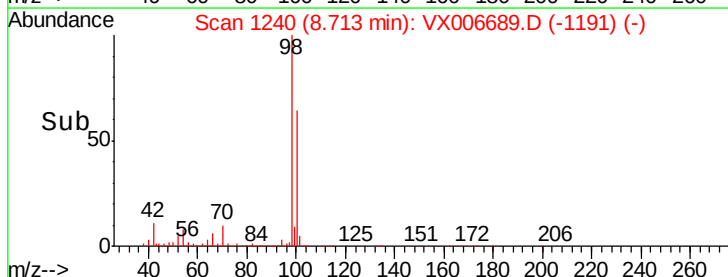
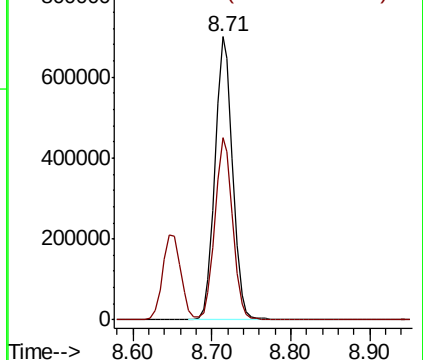
Ion Ratio Lower Upper

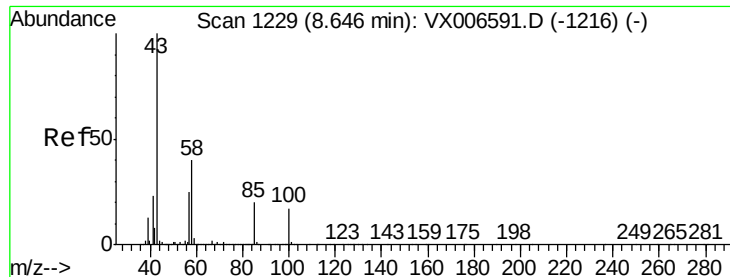
98 100

100 64.6 52.0 78.0



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

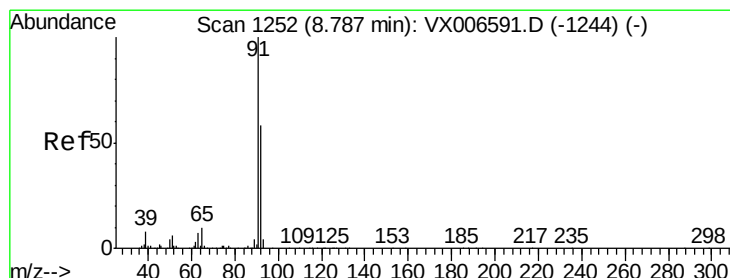
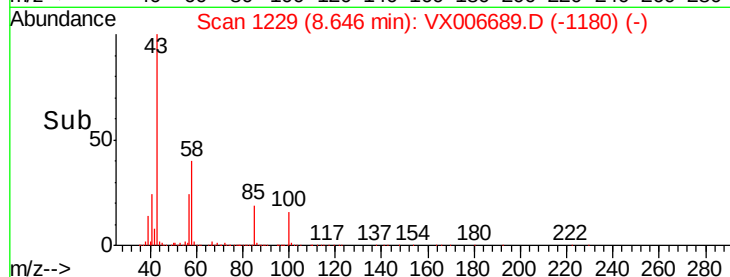
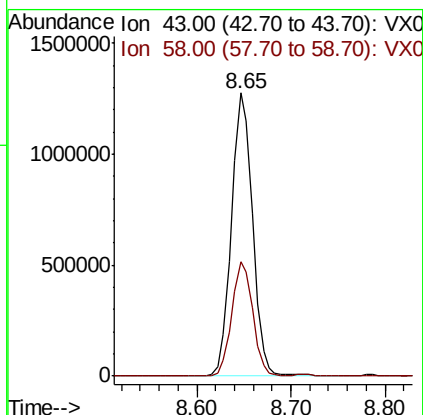
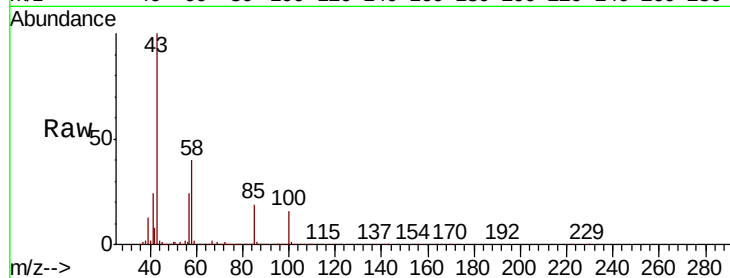




#51
4-Methyl-2-Pentanone
Concen: 265.175 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

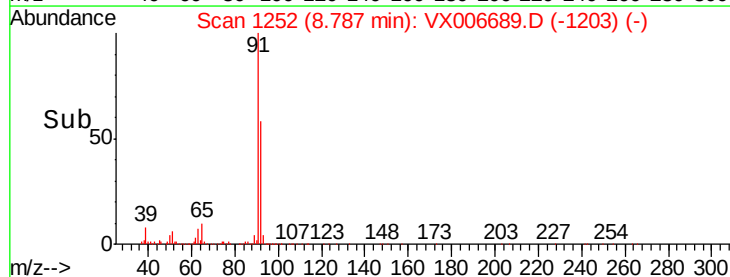
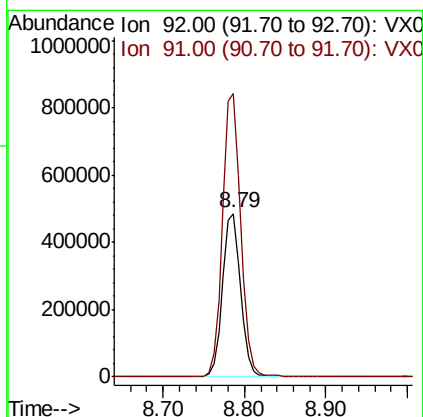
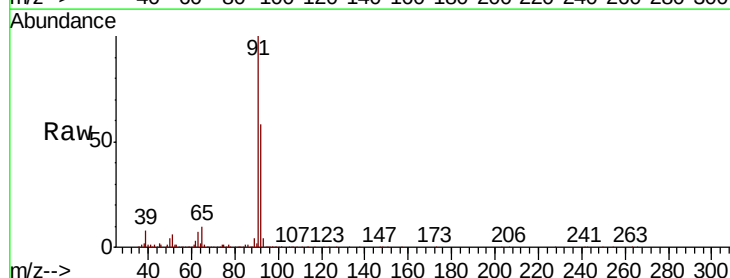
Instrument :
MSVOA_X
ClientSampled :

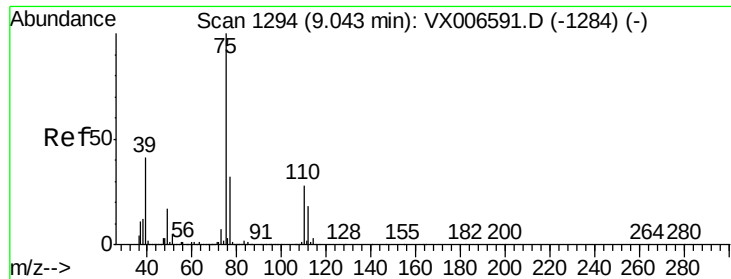
Tot Ion: 43 Resp: 1984791
Ion Ratio Lower Upper
43 100
58 40.1 31.8 47.6



#52
Toluene
Concen: 51.233 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 92 Resp: 747335
Ion Ratio Lower Upper
92 100
91 174.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 51.658 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

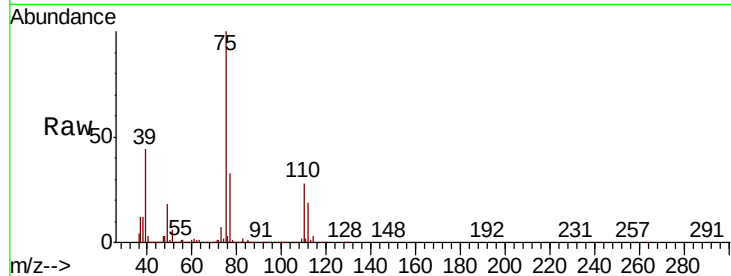
ClientSampled :

Tot Ion: 75 Resp: 371750

Ion Ratio Lower Upper

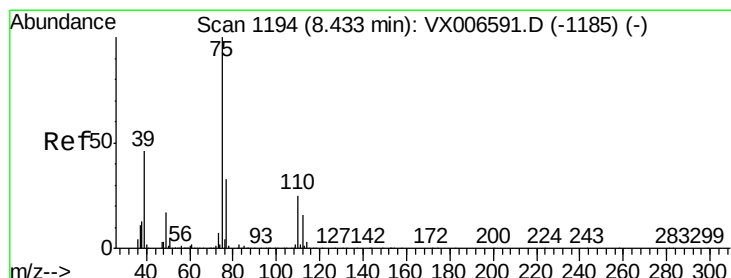
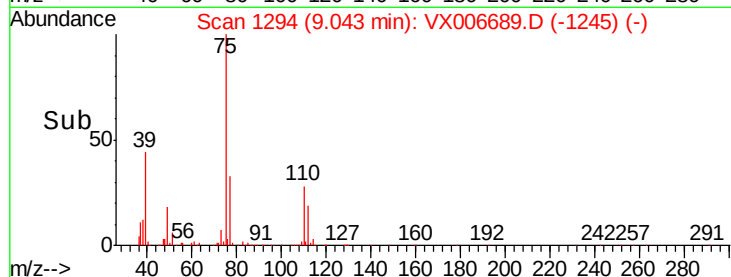
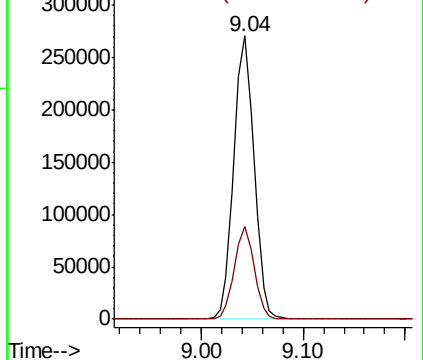
75 100

77 32.6 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.069 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

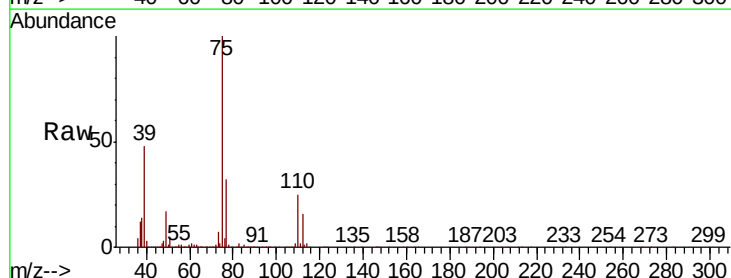
Tgt Ion: 75 Resp: 419043

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

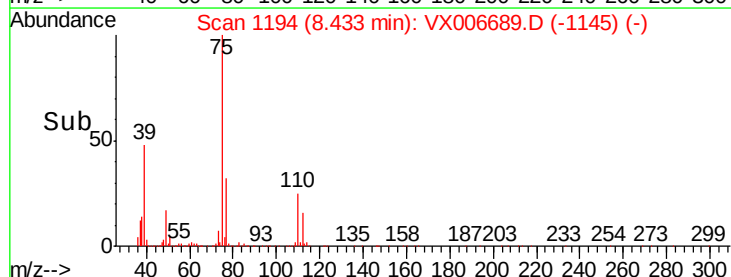
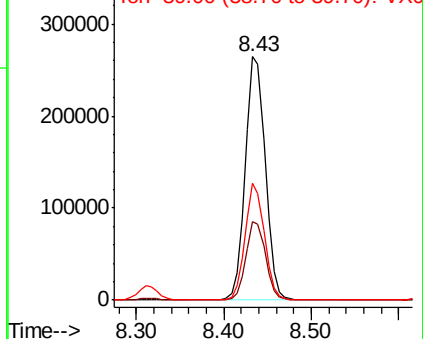
39 48.1 36.7 55.1

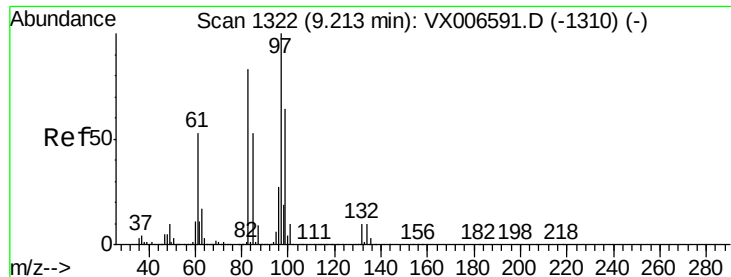


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

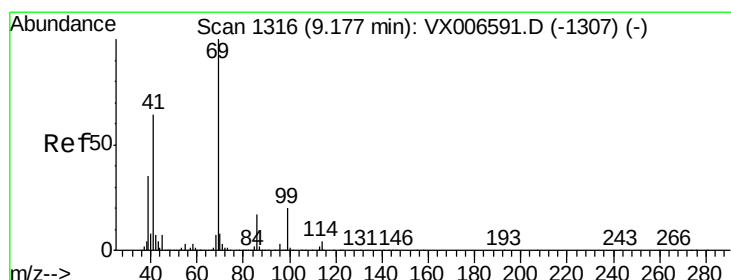
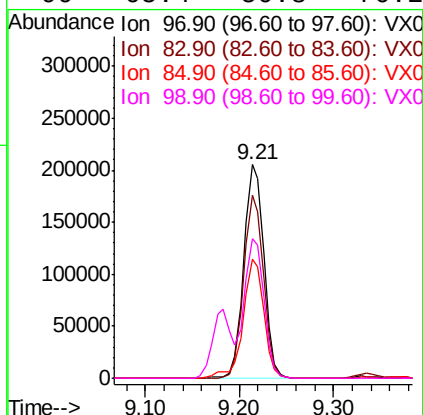
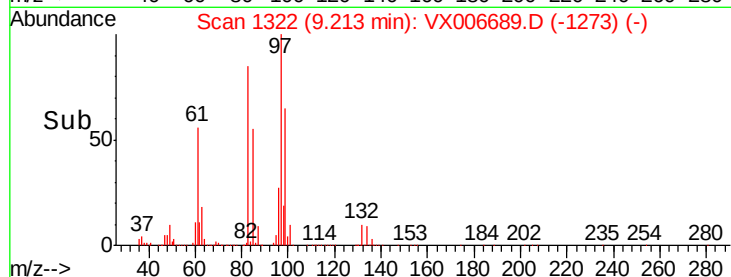
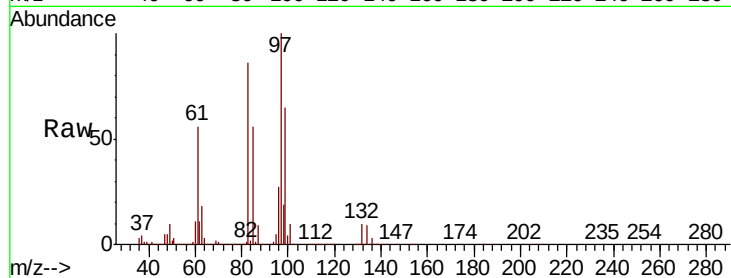




#55
 1,1,2-Trichloroethane
 Concen: 51.419 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

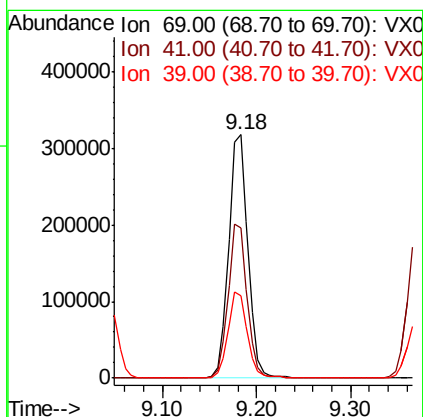
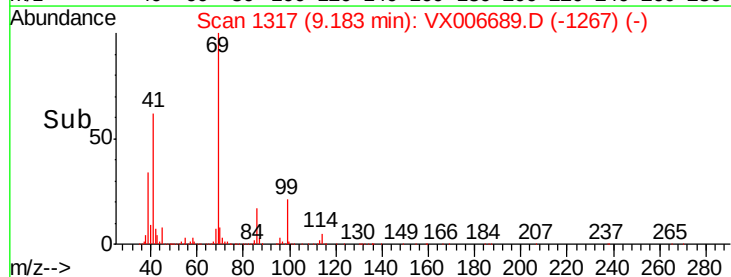
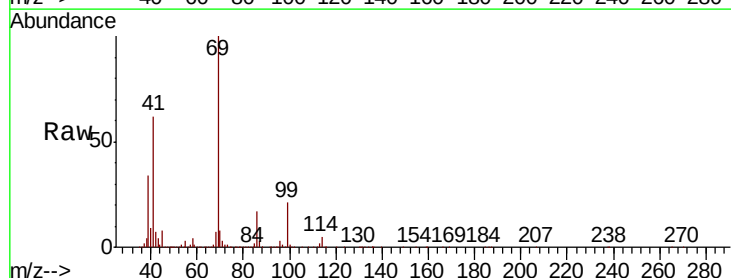
Instrument :
 MSVOA_X
 ClientSampleId :

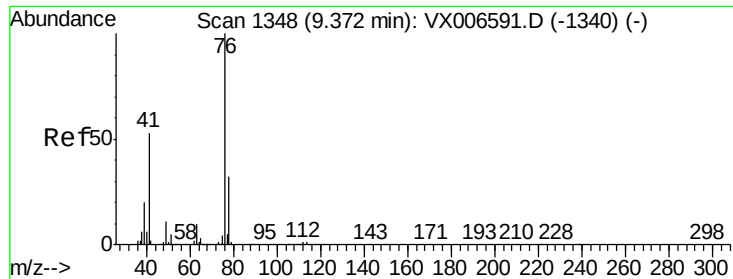
Tot Ion:	97	Resp:	307012
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.6	99.8
85	55.5	42.7	64.1
99	65.4	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 53.214 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion:	69	Resp:	449069
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.7	73.1
39	35.3	27.0	40.6

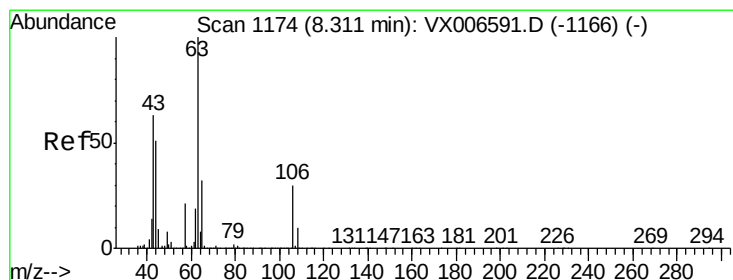
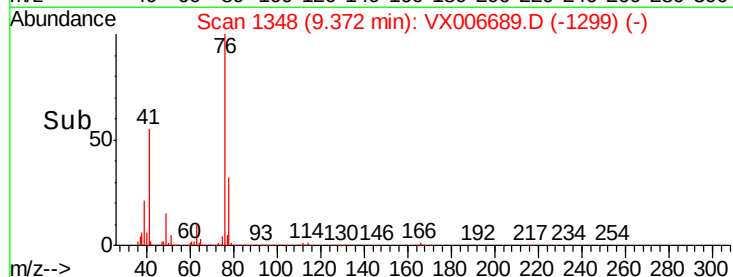
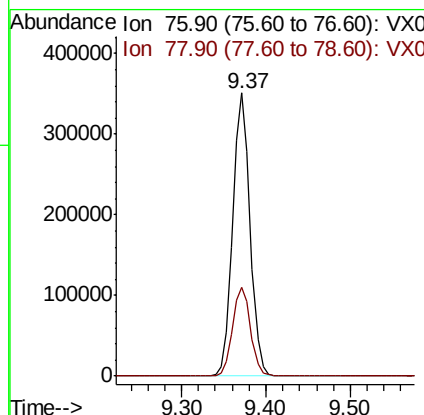
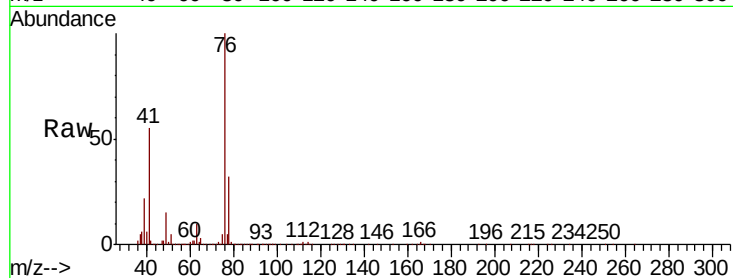




#57
 1,3-Dichloropropane
 Concen: 51.386 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

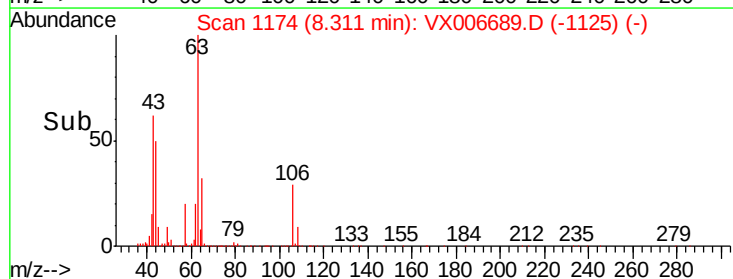
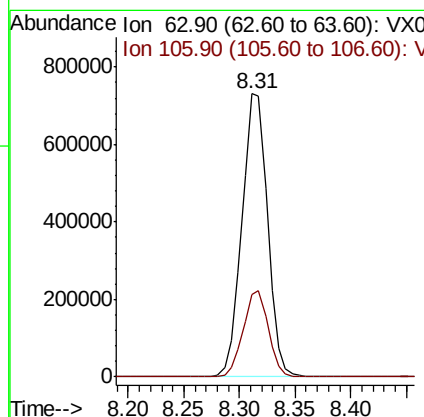
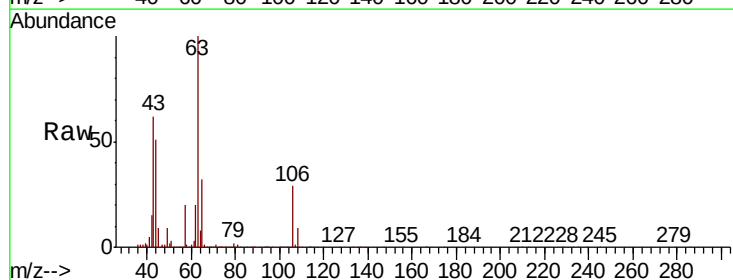
Instrument :
 MSVOA_X
 ClientSampleId :

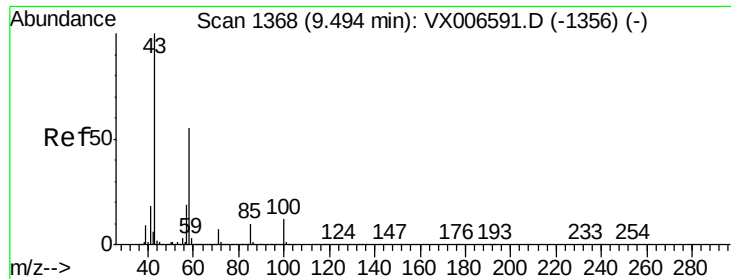
Tot Ion: 76 Resp: 493627
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.334 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion: 63 Resp: 1163328
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.6 36.8

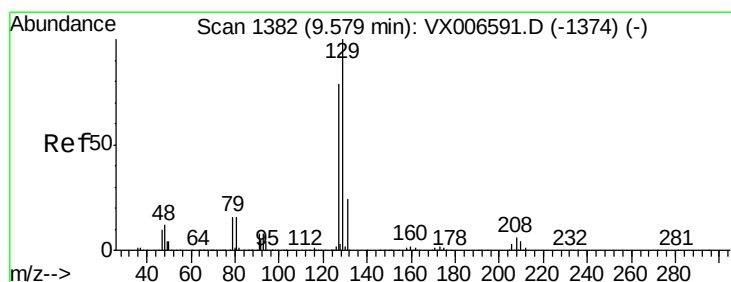
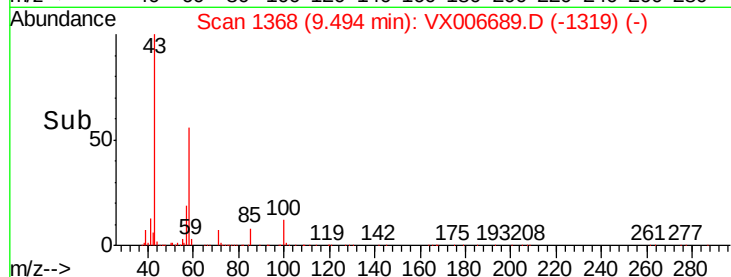
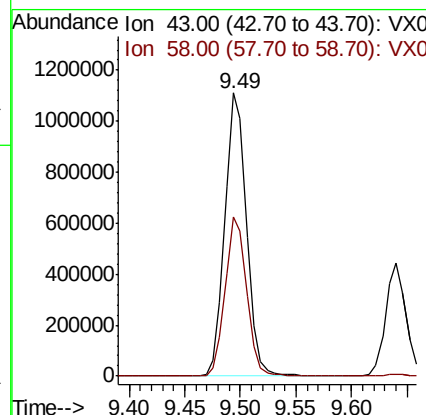
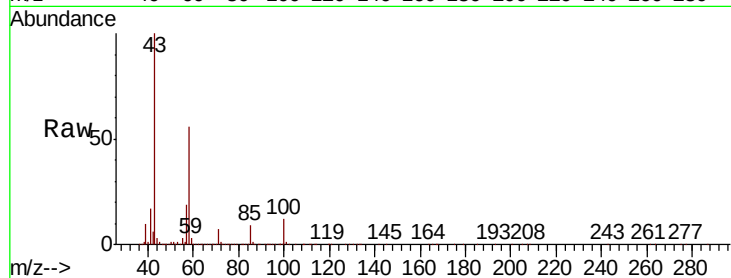




#59
2-Hexanone
Concen: 261.645 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

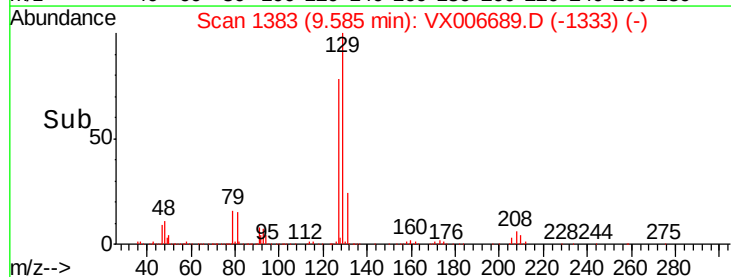
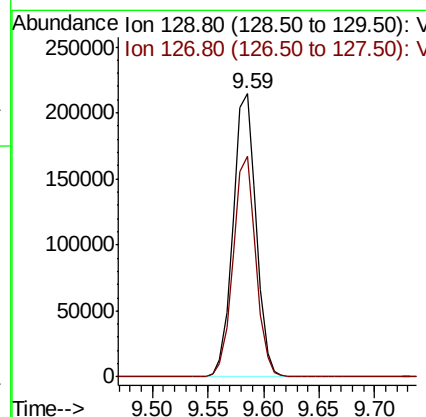
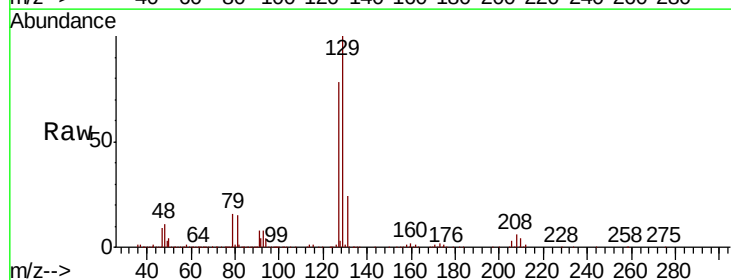
Instrument :
MSVOA_X
ClientSampleId :

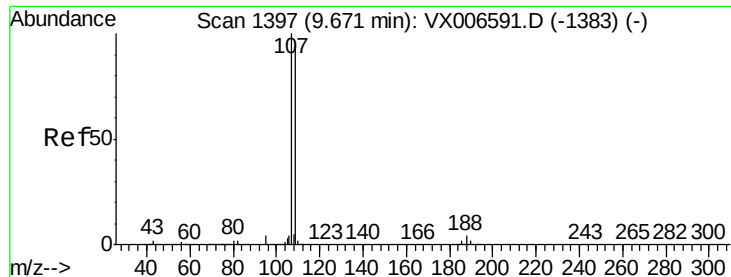
Tot Ion: 43 Resp: 1498382
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1



#60
Dibromochloromethane
Concen: 49.272 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 129 Resp: 307471
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 52.985 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

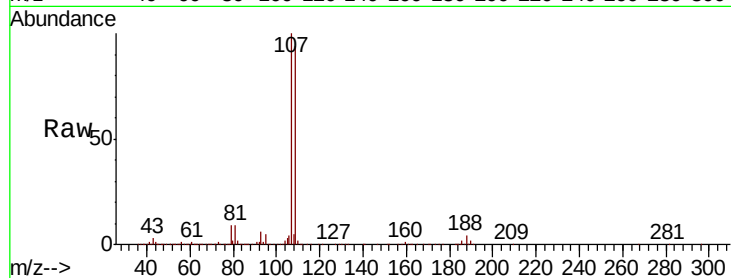
ClientSampleId :

Tot Ion: 107 Resp: 336298

Ion Ratio Lower Upper

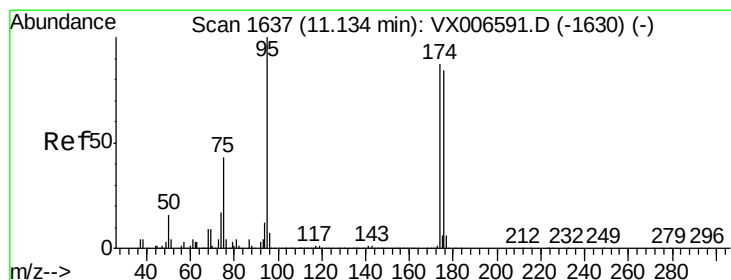
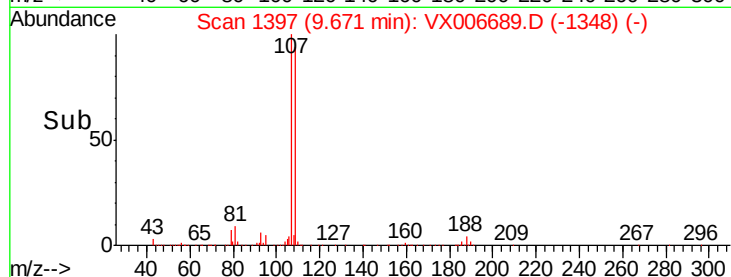
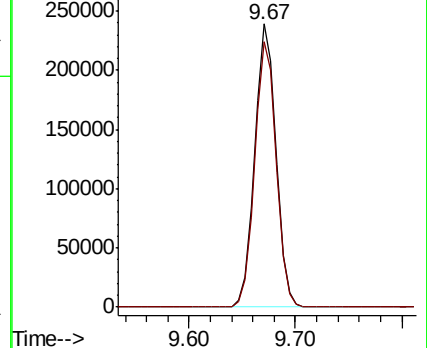
107 100

109 94.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.070 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

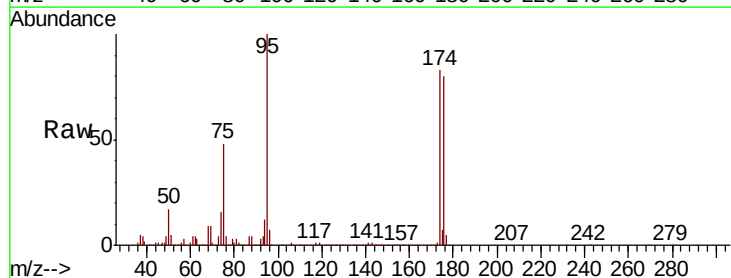
Tgt Ion: 95 Resp: 392106

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.2

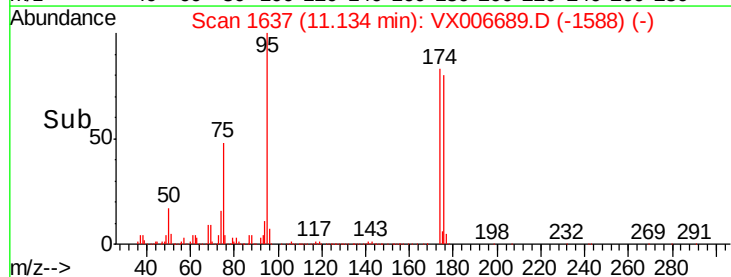
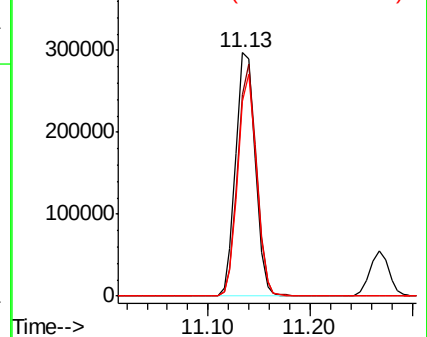
176 87.8 0.0 178.8

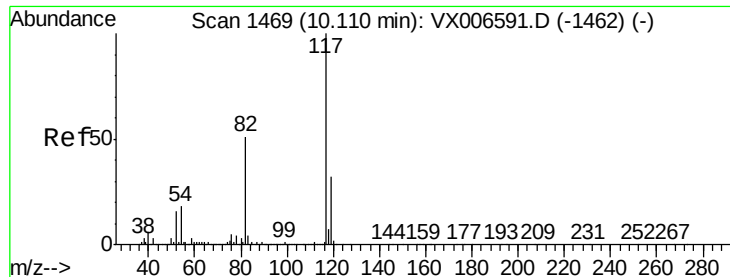


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

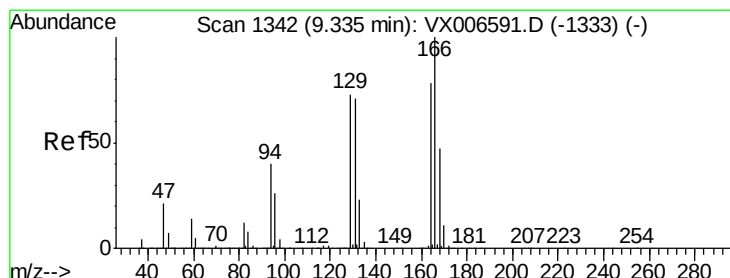
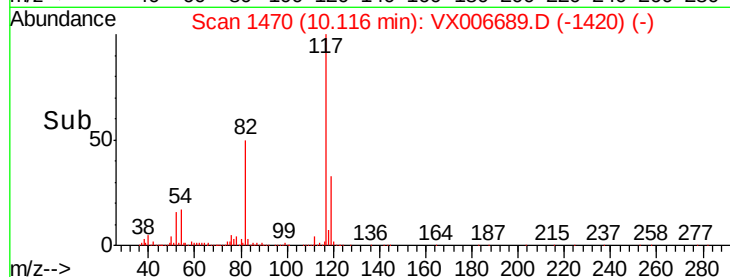
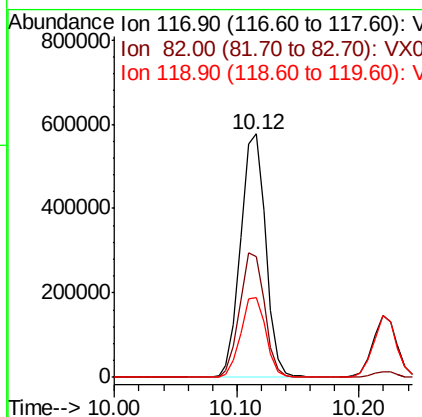
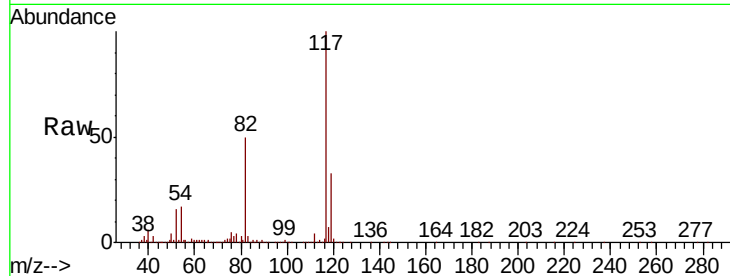




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

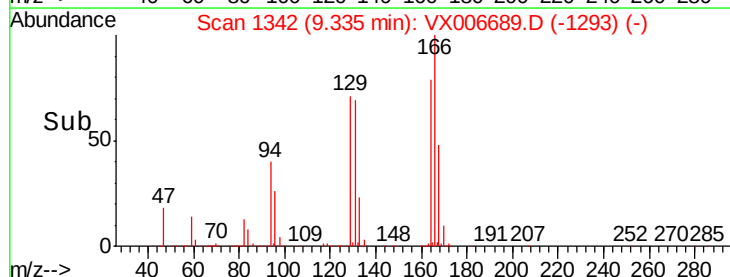
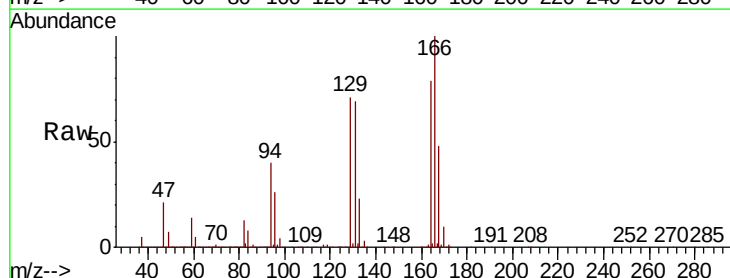
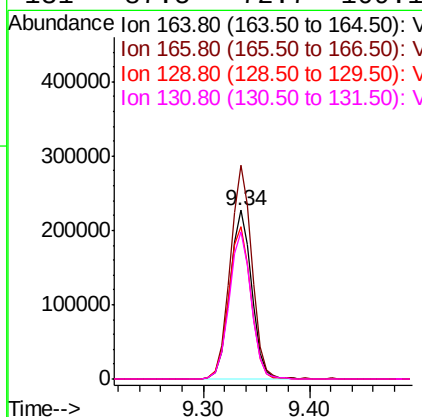
Instrument :
MSVOA_X
ClientSampled :

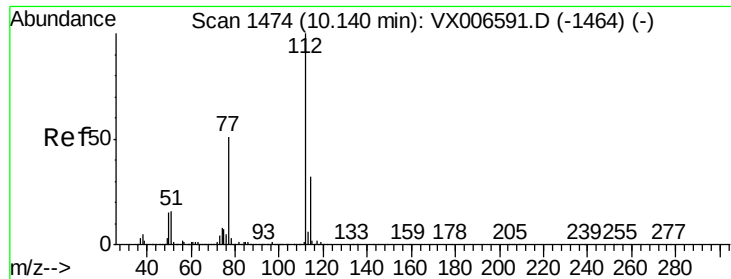
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.0	61.6
119	33.0	25.4	38.0



#64
Tetrachloroethene
Concen: 50.512 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.5	153.7
129	90.2	75.1	112.7
131	87.5	72.7	109.1

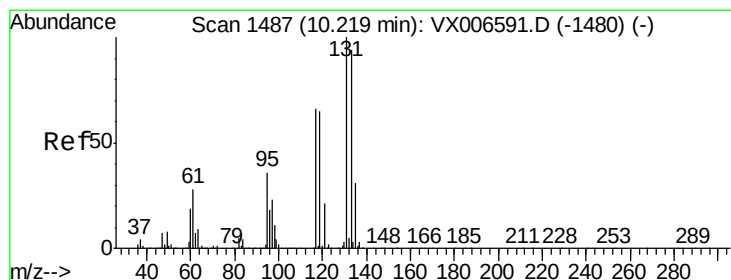
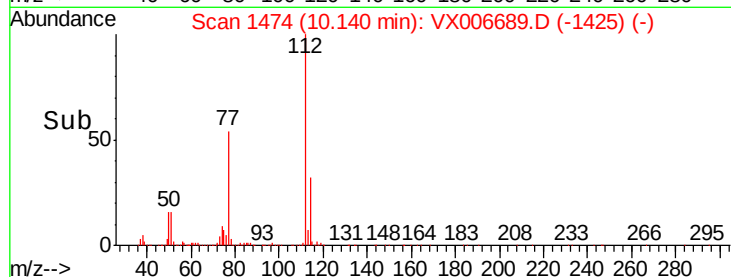
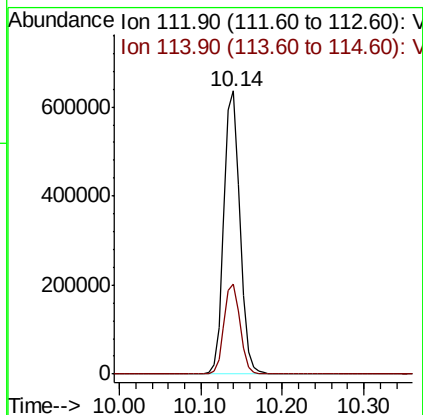
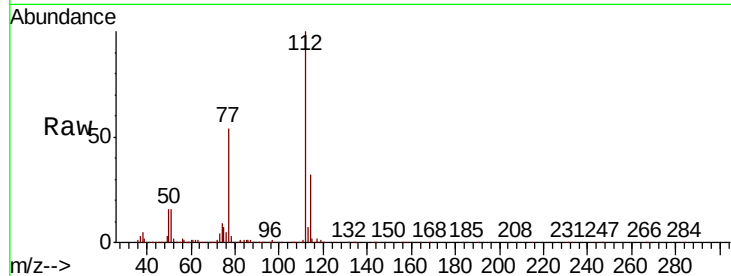




#65
Chlorobenzene
Concen: 50.059 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

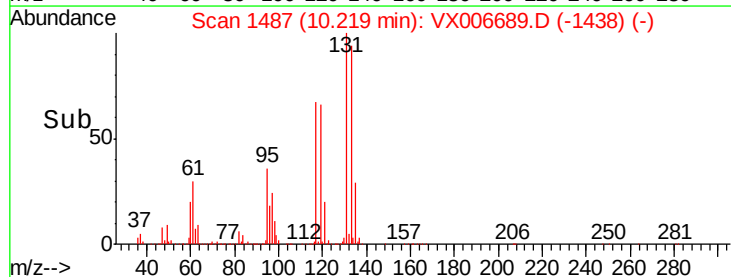
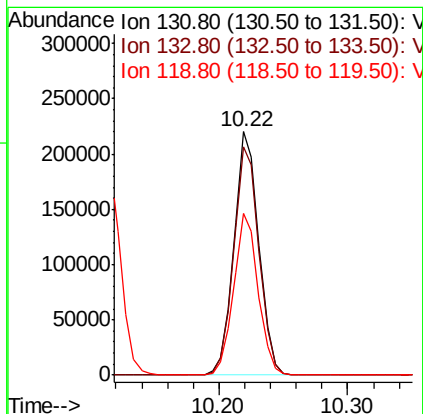
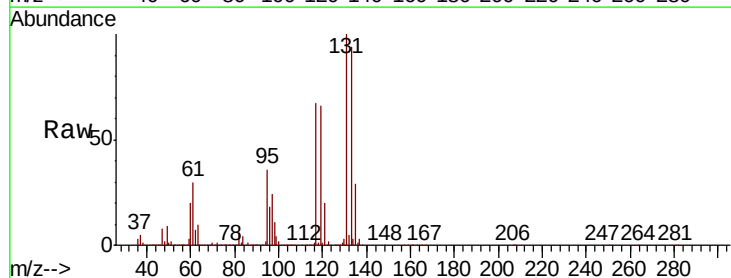
Instrument :
MSVOA_X
ClientSampleId :

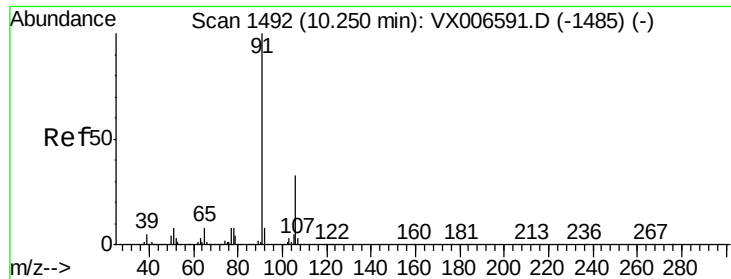
Tot Ion:112 Resp: 868162
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.669 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion:131 Resp: 295810
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 65.3 32.6 97.8





#67

Ethyl Benzene

Concen: 50.633 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

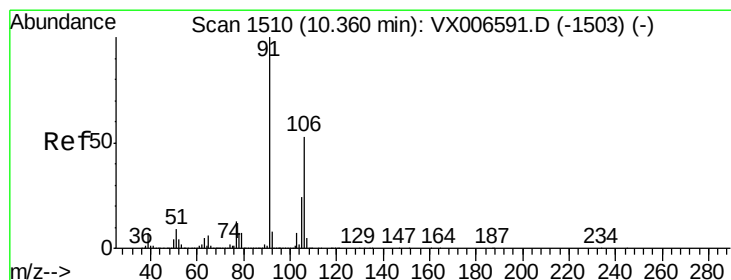
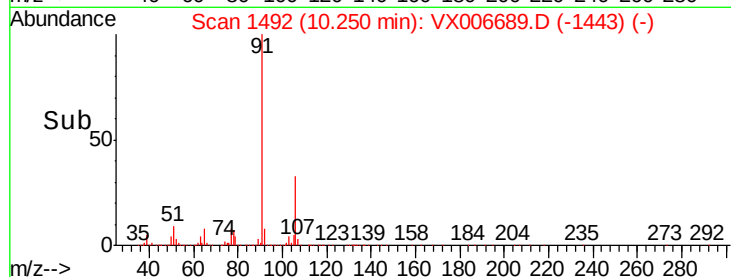
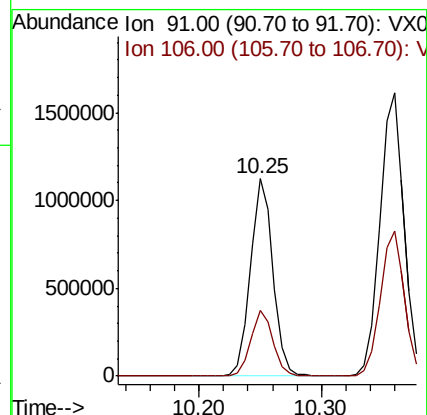
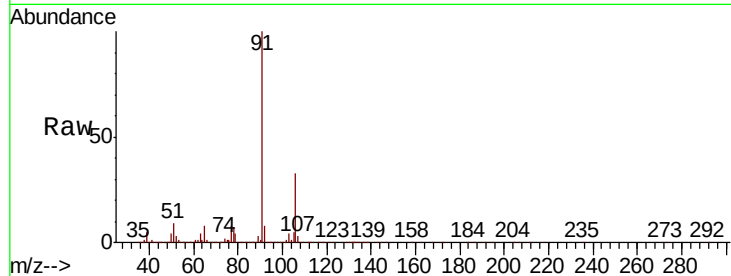
ClientSampleId :

Tot Ion: 91 Resp: 1434898

Ion Ratio Lower Upper

91 100

106 33.1 26.4 39.6



#68

m/p-Xylenes

Concen: 101.272 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006689.D

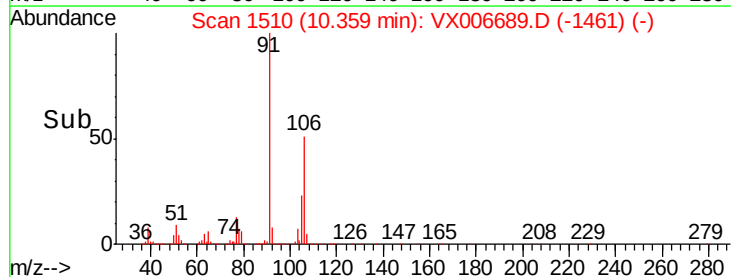
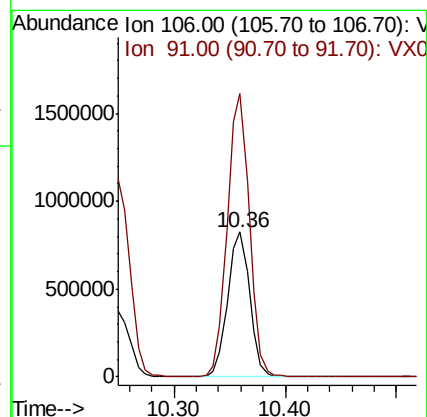
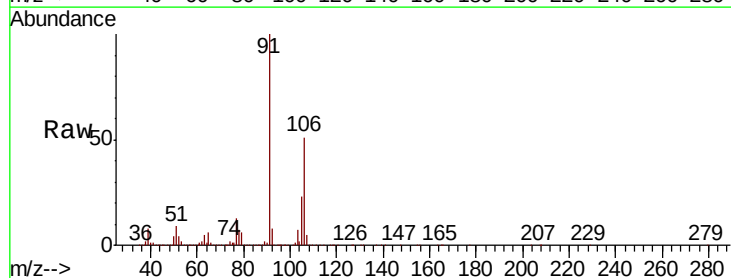
Acq: 20 Dec 2018 21:34

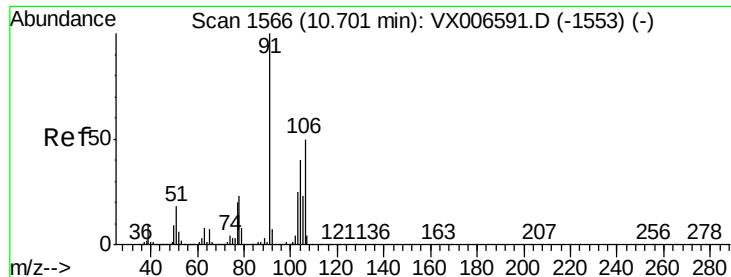
Tgt Ion: 106 Resp: 1132488

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6

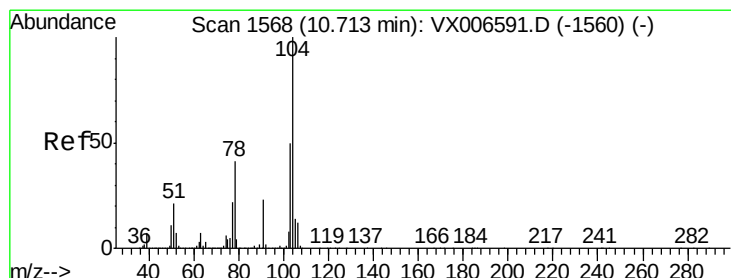
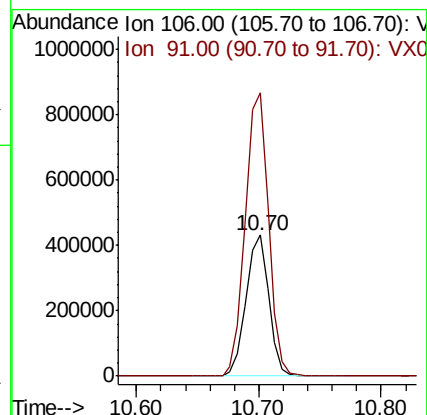
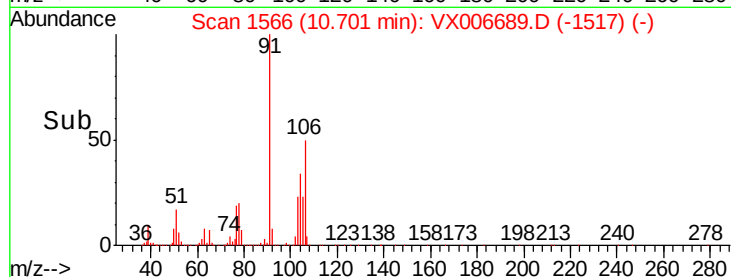
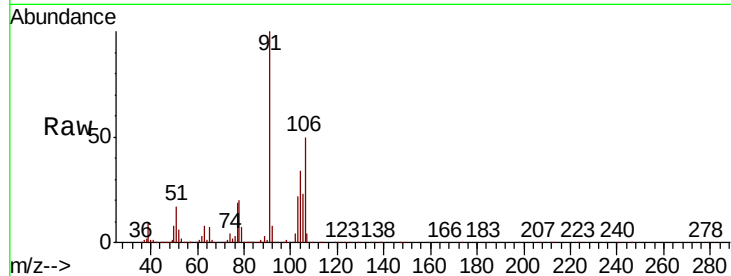




#69
o-Xylene
Concen: 50.500 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

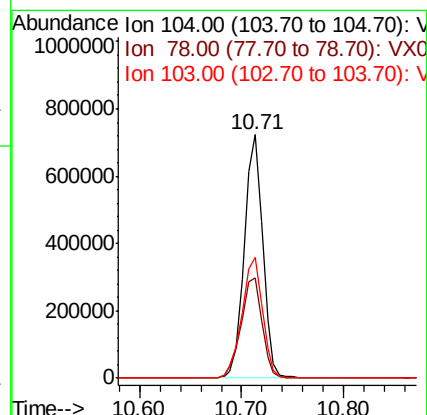
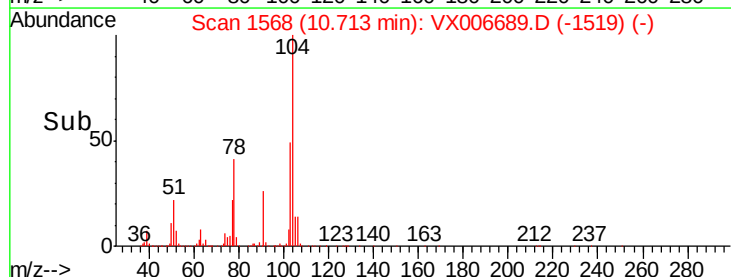
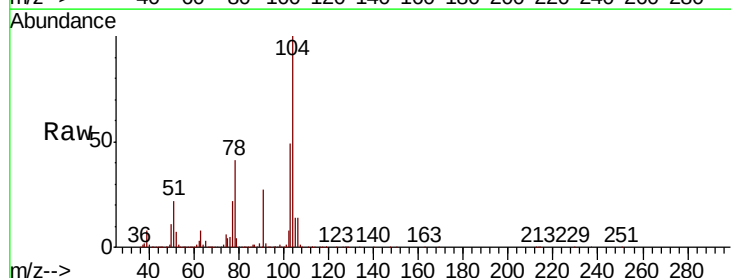
Instrument :
MSVOA_X
ClientSampled :

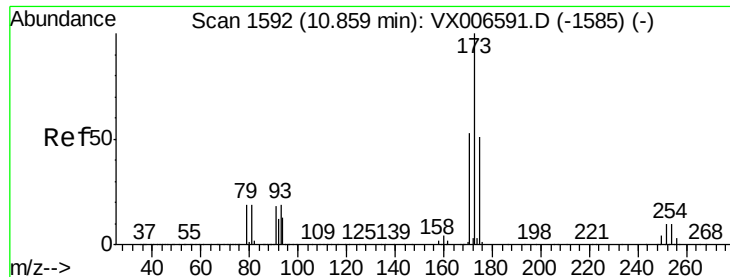
Tot Ion:106 Resp: 557652
Ion Ratio Lower Upper
106 100
91 204.9 101.3 303.7



#70
Styrene
Concen: 51.453 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion:104 Resp: 898881
Ion Ratio Lower Upper
104 100
78 47.4 37.7 56.5
103 55.5 43.8 65.8





#71

Bromoform

Concen: 44.404 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

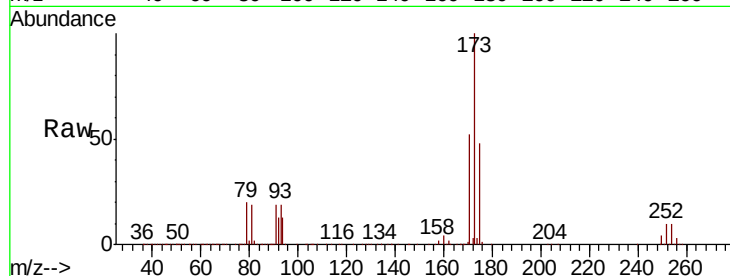
Tot Ion:173 Resp: 214050

Ion Ratio Lower Upper

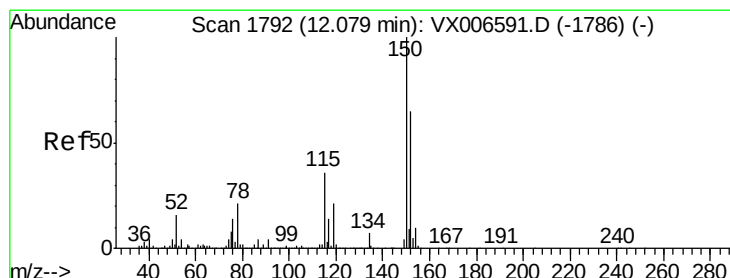
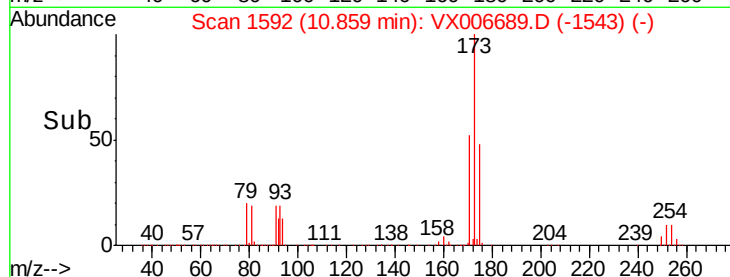
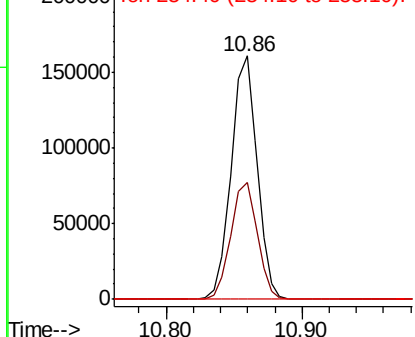
173 100

175 49.0 24.7 74.1

254 0.2 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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

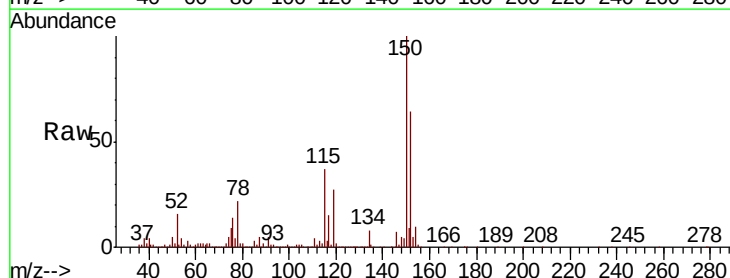
Tgt Ion:152 Resp: 411663

Ion Ratio Lower Upper

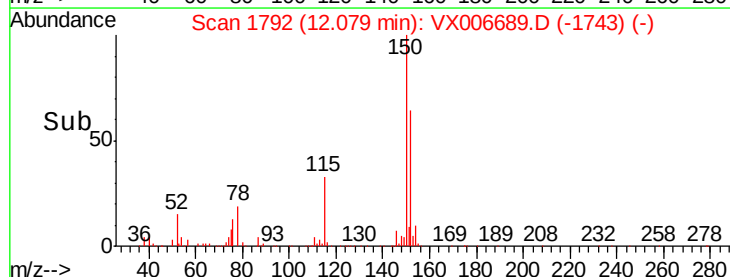
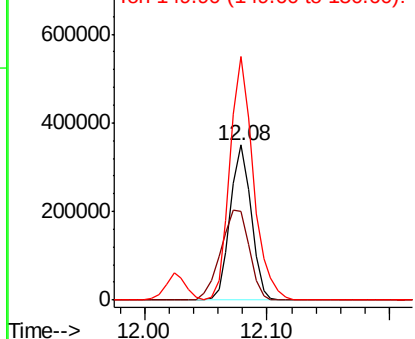
152 100

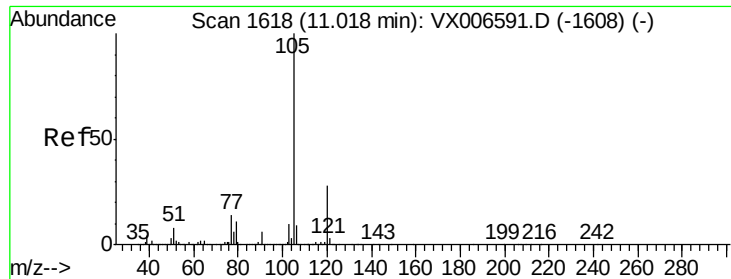
115 80.0 39.1 117.2

150 175.6 0.0 344.8



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: 52.723 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

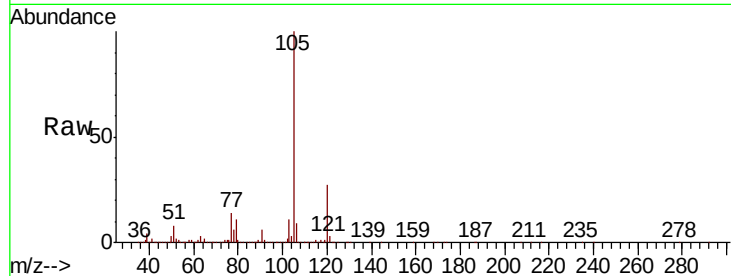
ClientSampleId :

Tot Ion:105 Resp: 1484819

Ion Ratio Lower Upper

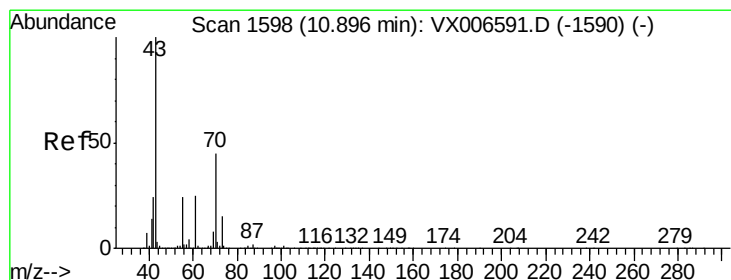
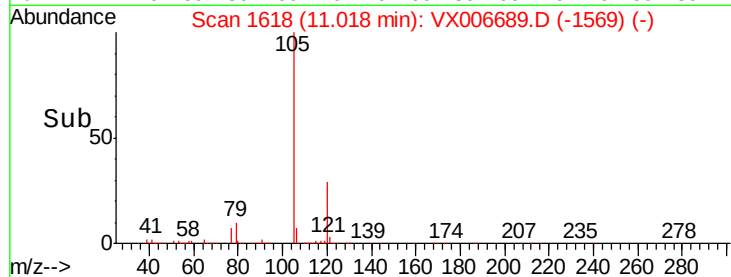
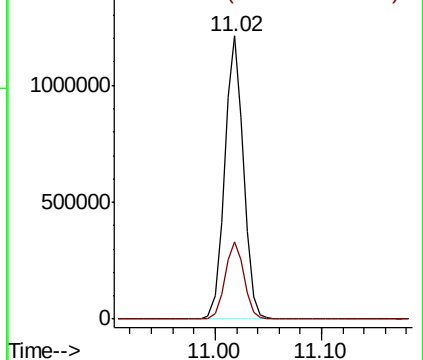
105 100

120 27.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.797 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion: 43 Resp: 552385

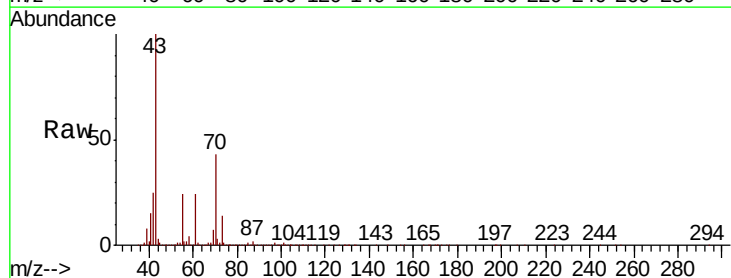
Ion Ratio Lower Upper

43 100

70 44.1 35.8 53.8

55 24.8 19.4 29.0

61 24.6 20.1 30.1

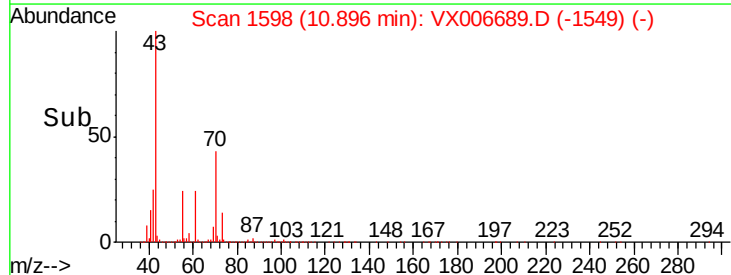
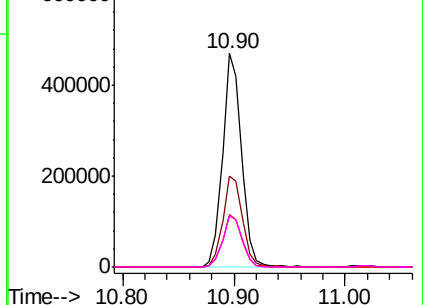


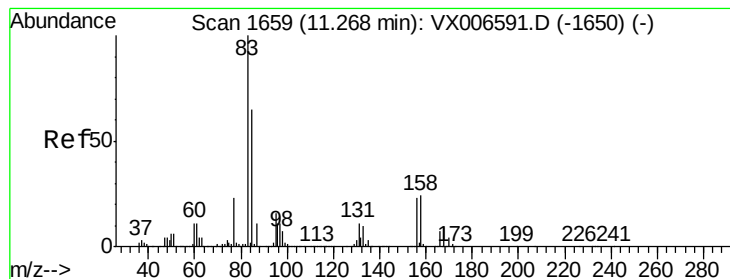
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.753 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

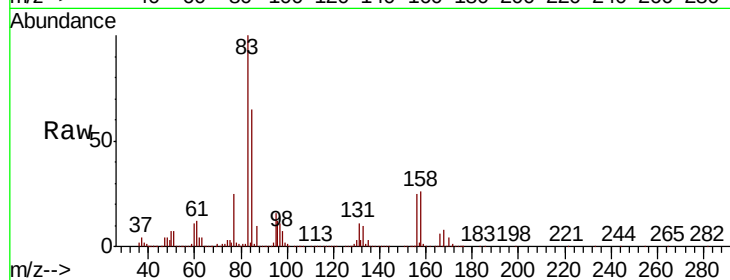
Tot Ion: 83 Resp: 450217

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

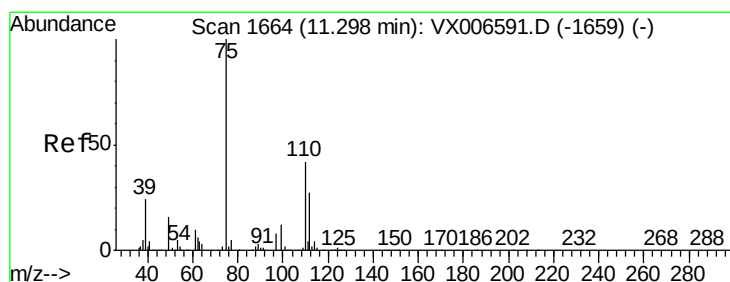
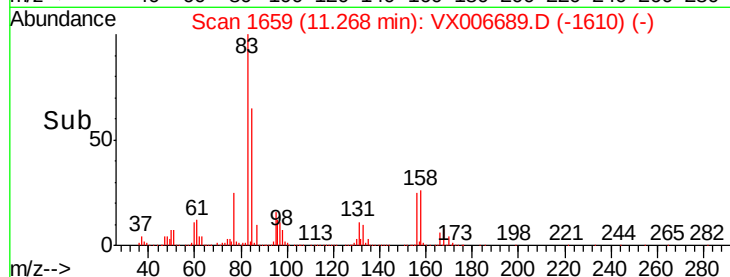
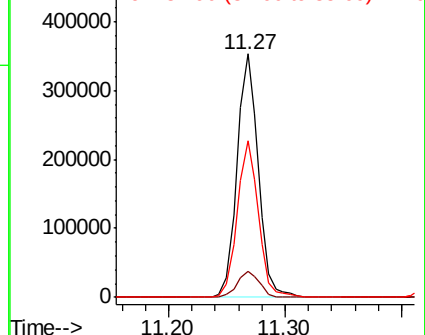
85 64.3 32.2 96.6



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: 64.881 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006689.D

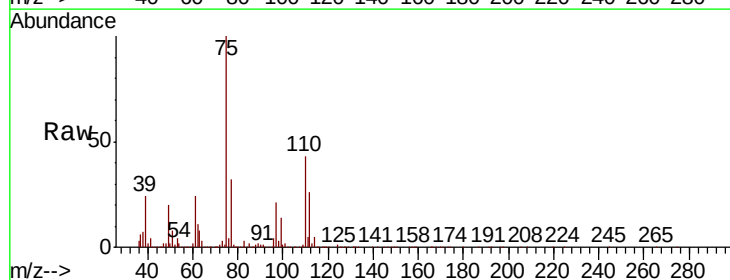
Acq: 20 Dec 2018 21:34

Tgt Ion: 75 Resp: 496366

Ion Ratio Lower Upper

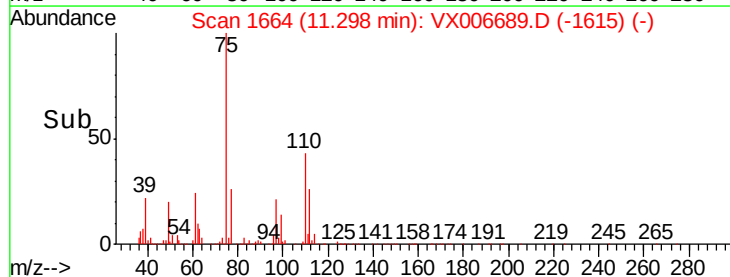
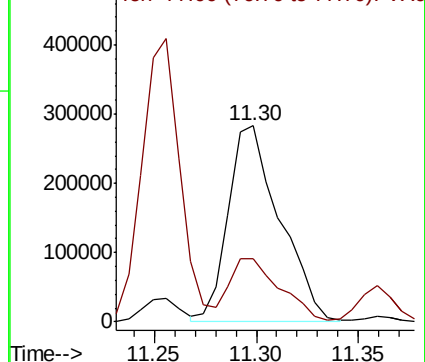
75 100

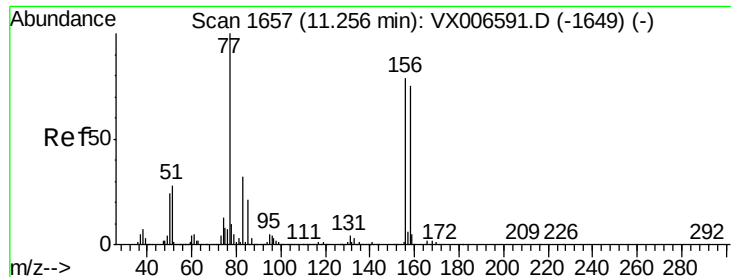
77 31.4 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.686 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

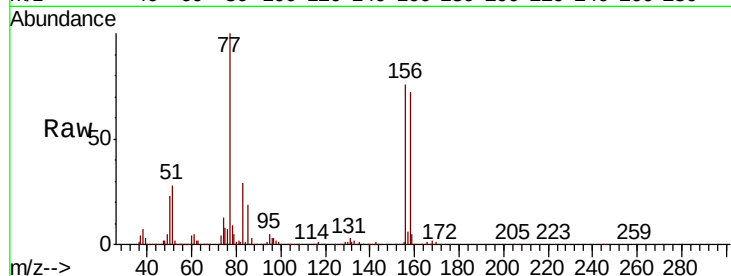
Tot Ion:156 Resp: 393528

Ion Ratio Lower Upper

156 100

77 135.0 68.0 204.0

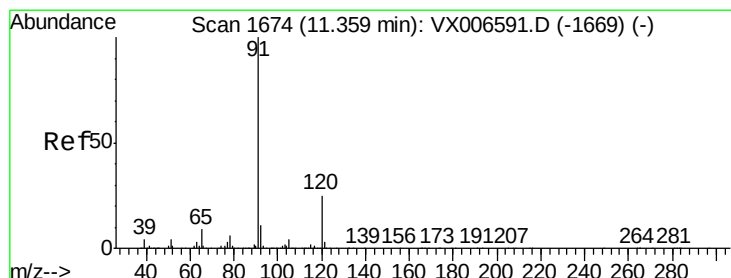
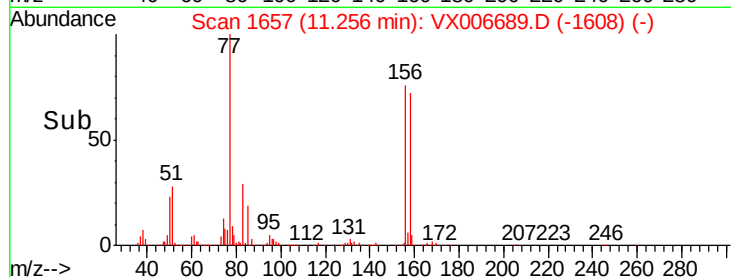
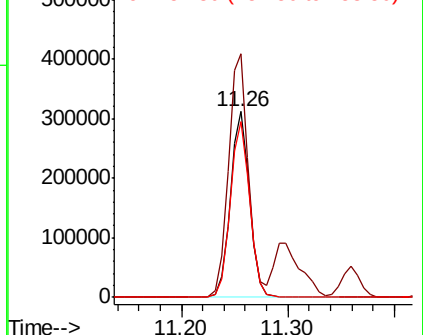
158 96.0 48.3 144.8



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: 52.769 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006689.D

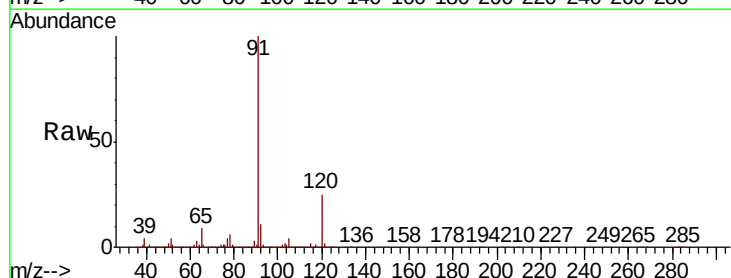
Acq: 20 Dec 2018 21:34

Tgt Ion: 91 Resp: 1636510

Ion Ratio Lower Upper

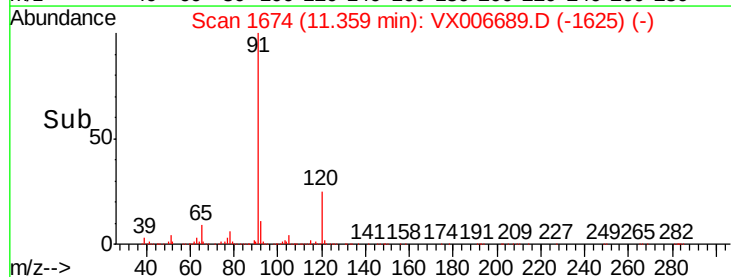
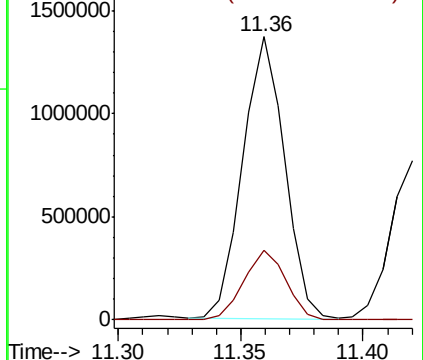
91 100

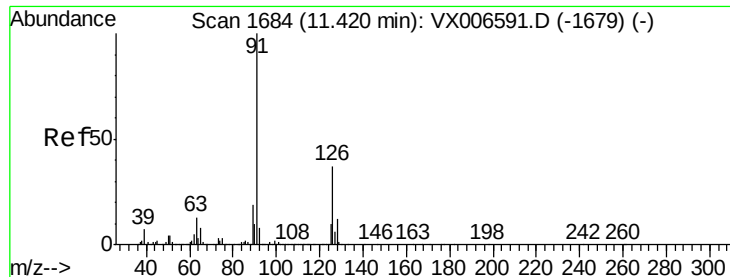
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.946 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

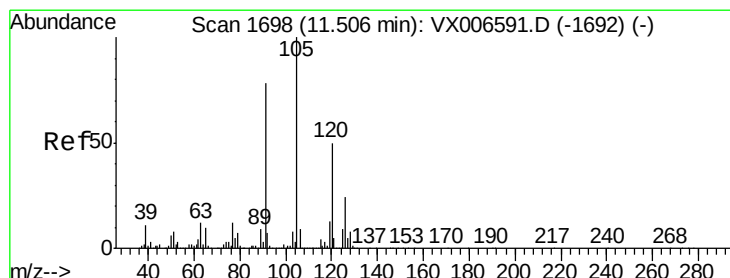
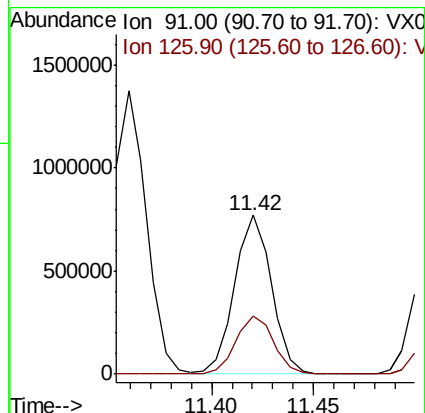
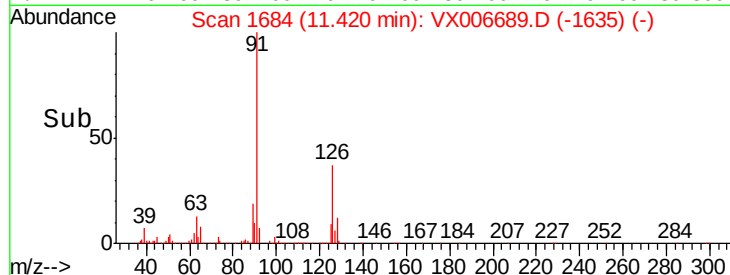
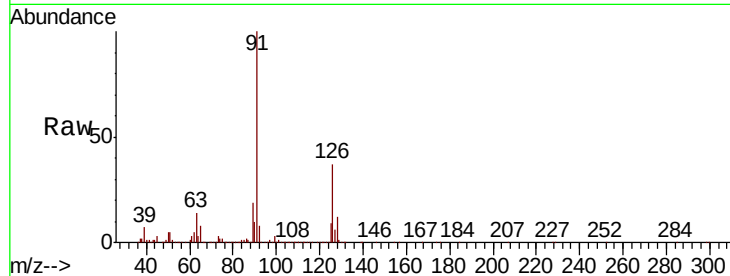
ClientSampleId :

Tot Ion: 91 Resp: 957474

Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 52.229 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006689.D

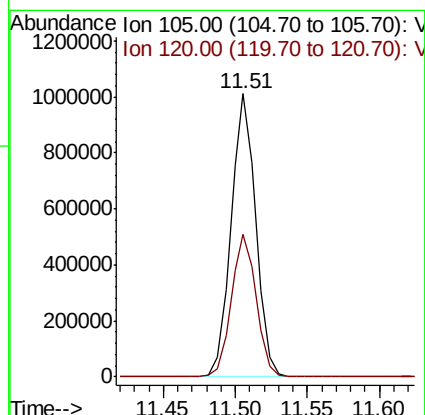
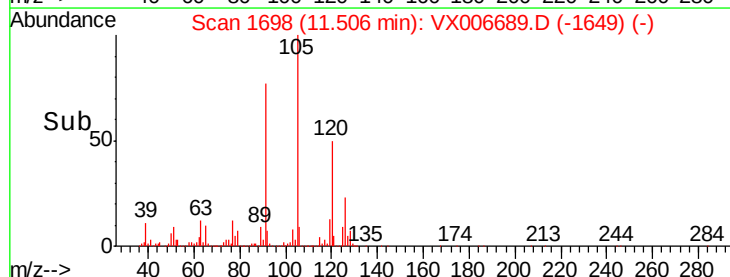
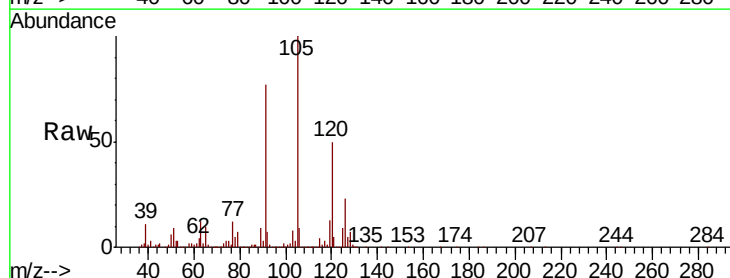
Acq: 20 Dec 2018 21:34

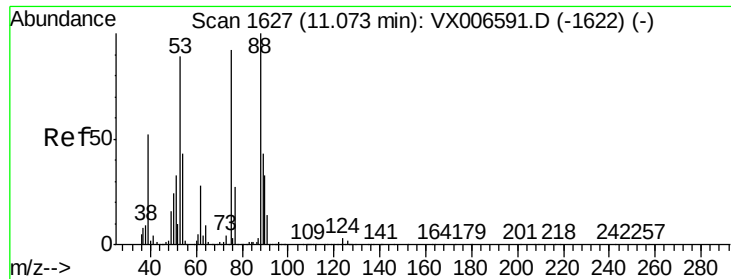
Tgt Ion:105 Resp: 1211533

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3

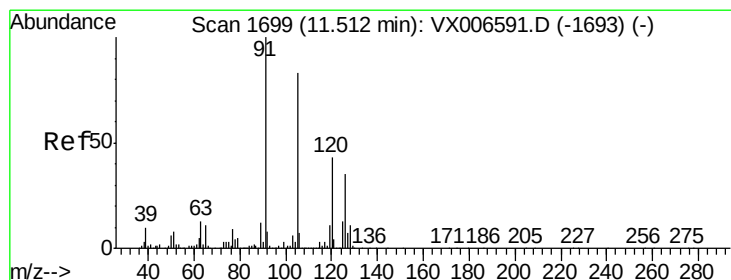
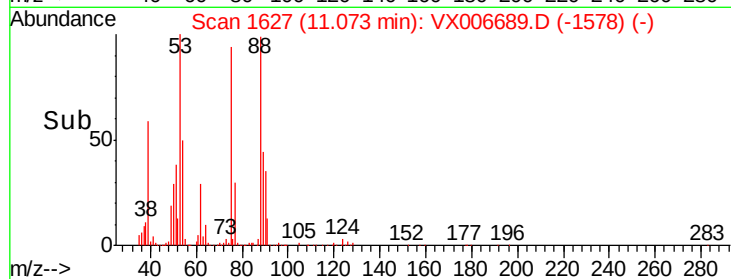
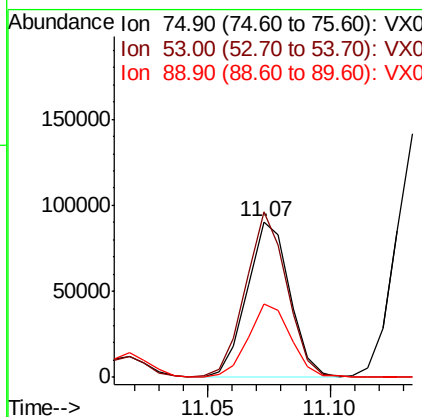
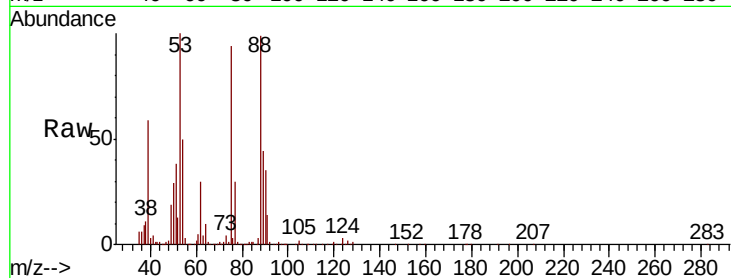




#81
trans-1,4-Dichloro-2-butene
Concen: 44.218 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

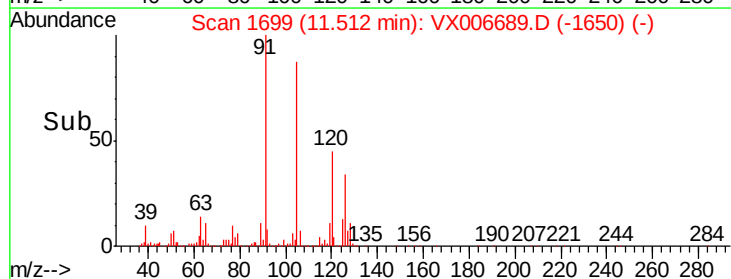
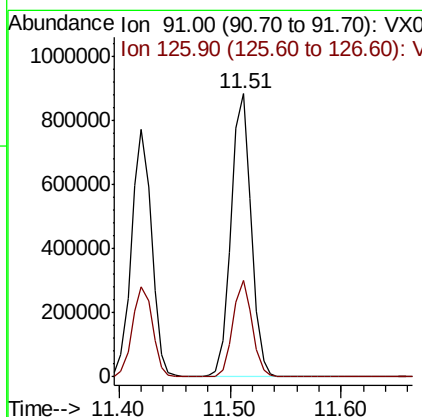
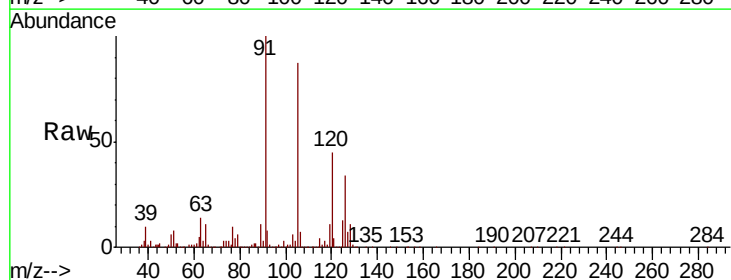
Instrument :
MSVOA_X
ClientSampleId :

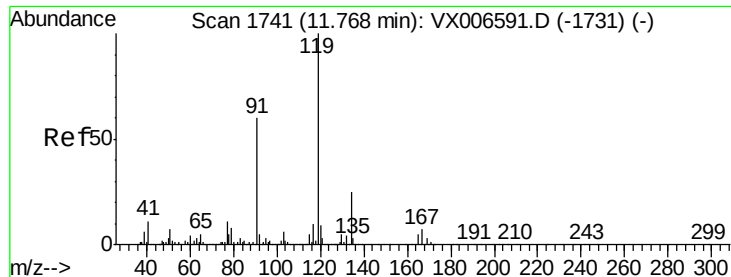
Tot Ion: 75 Resp: 109815
Ion Ratio Lower Upper
75 100
53 103.8 79.7 119.5
89 47.5 38.0 57.0



#82
4-Chlorotoluene
Concen: 51.214 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 91 Resp: 1104068
Ion Ratio Lower Upper
91 100
126 32.7 16.3 48.9

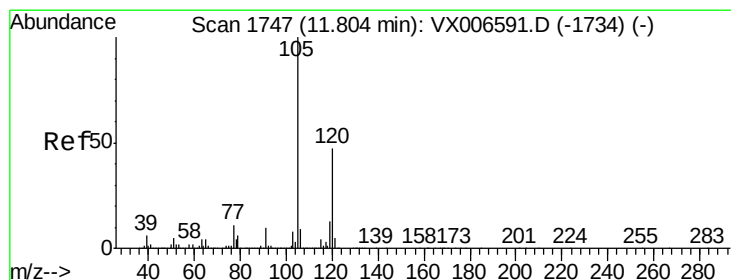
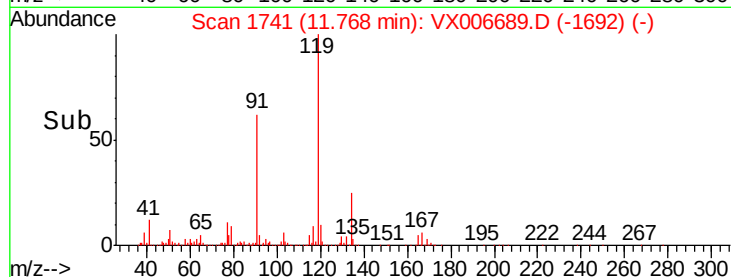
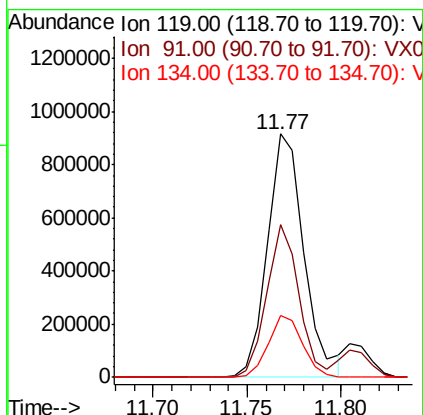
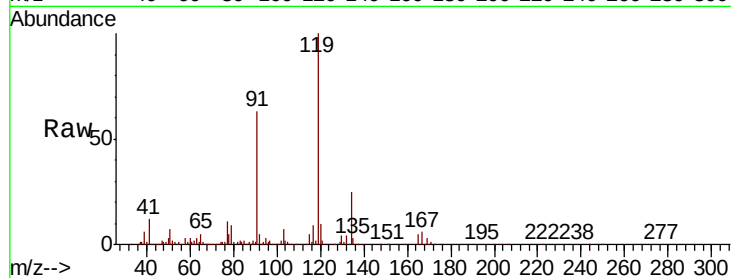




#83
 tert-Butylbenzene
 Concen: 52.990 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

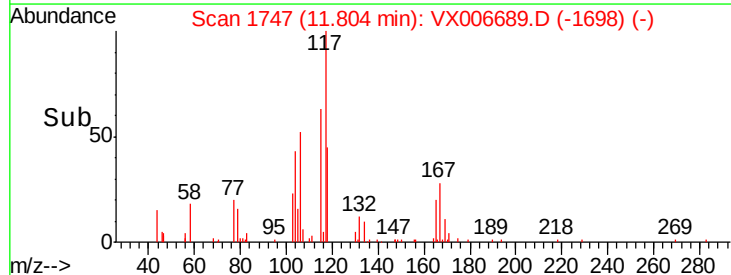
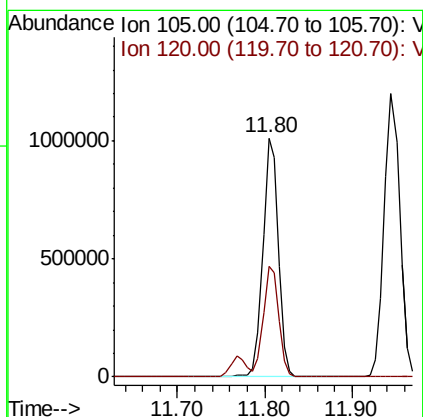
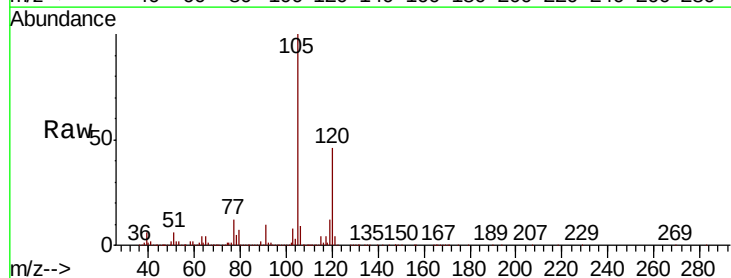
Instrument :
 MSVOA_X
 ClientSampled :

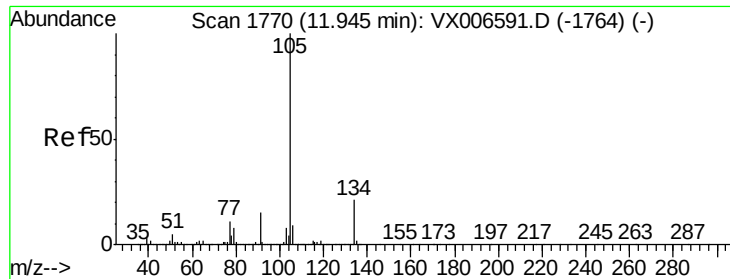
Tot Ion:119 Resp: 1230231
 Ion Ratio Lower Upper
 119 100
 91 55.4 27.7 83.1
 134 24.0 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.241 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion:105 Resp: 1250221
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 52.406 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

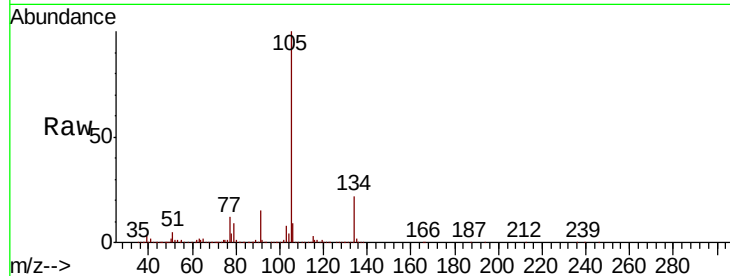
ClientSampleId :

Tot Ion:105 Resp: 1491706

Ion Ratio Lower Upper

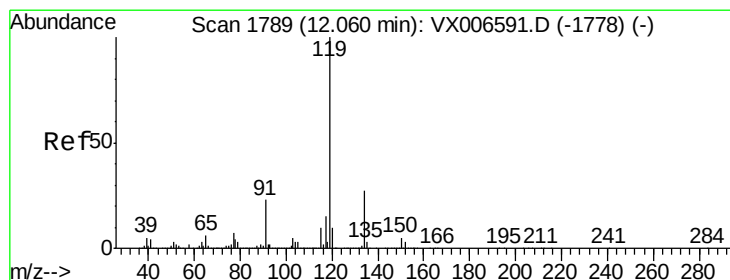
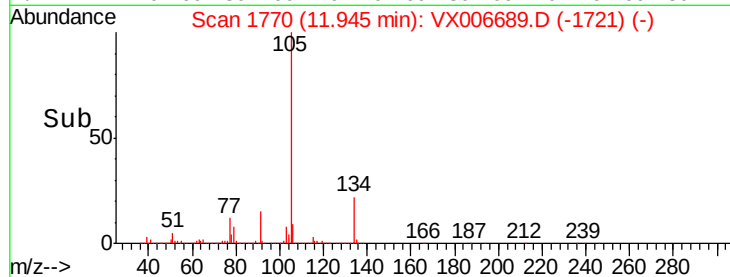
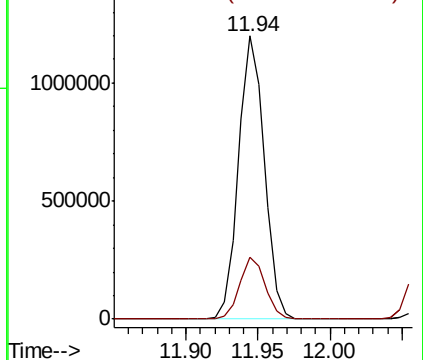
105 100

134 21.6 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.980 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

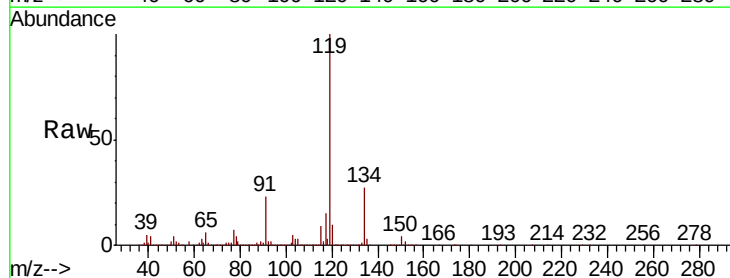
Tgt Ion:119 Resp: 1325621

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

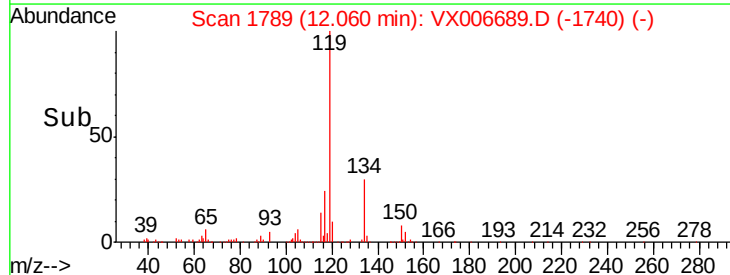
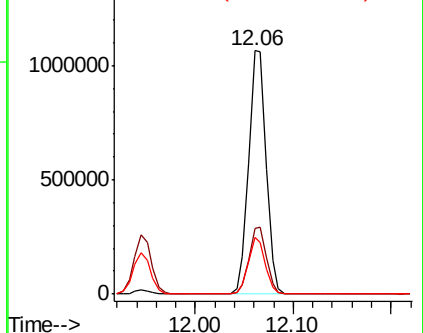
91 22.5 11.3 33.9

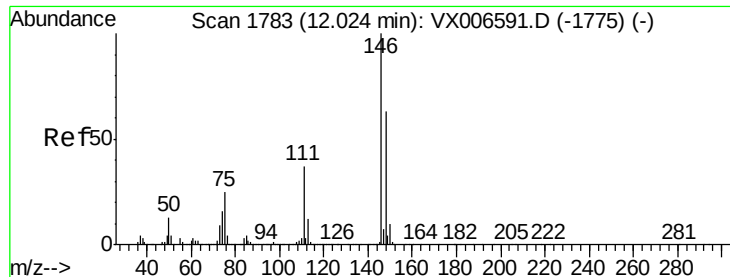


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

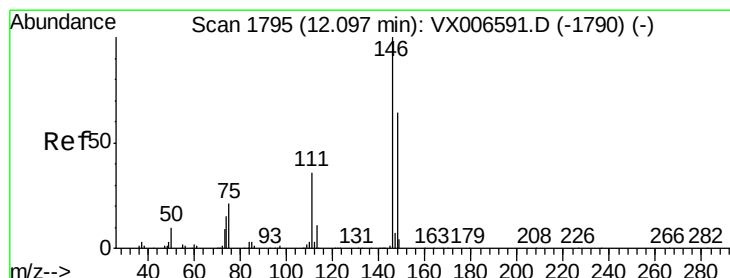
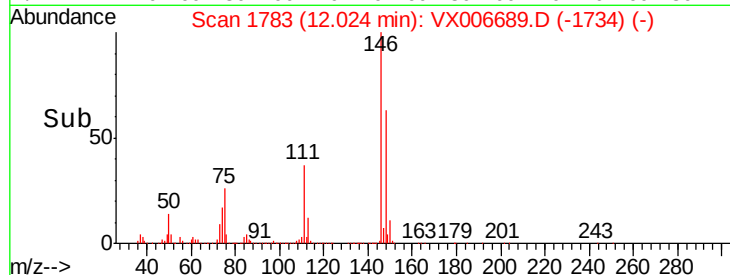
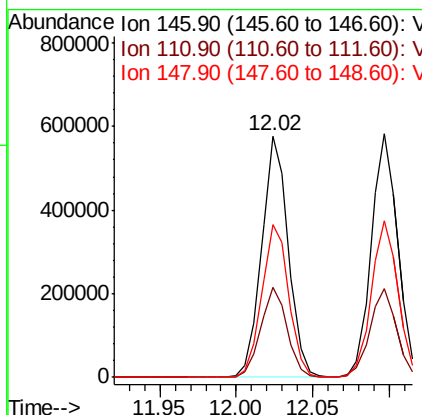
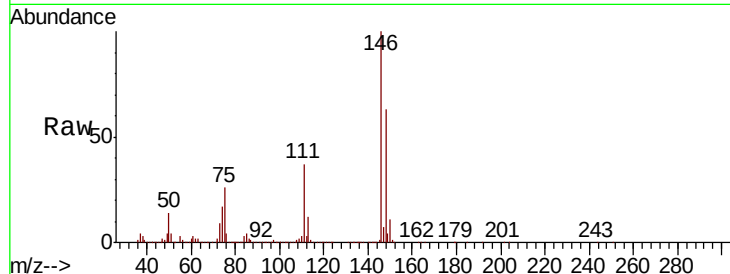




#87
 1,3-Dichlorobenzene
 Concen: 51.107 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

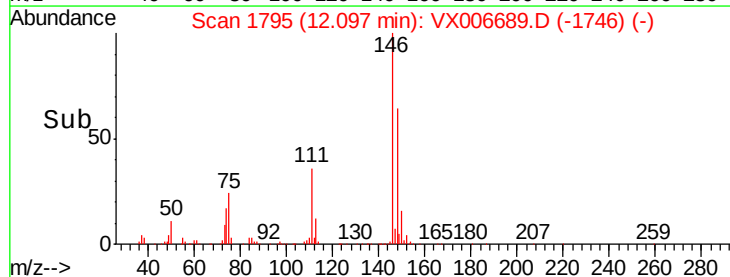
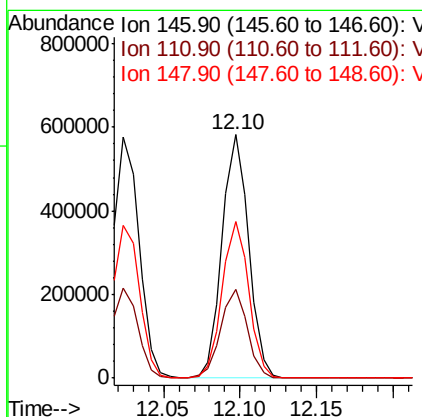
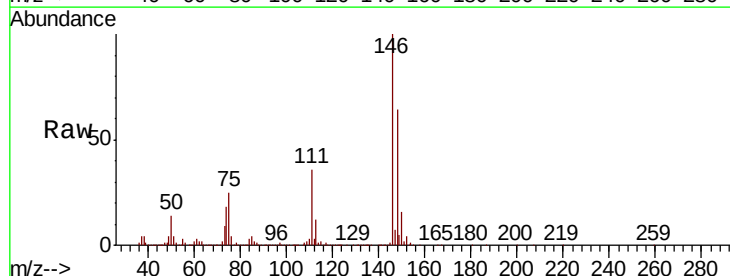
Instrument :
 MSVOA_X
 ClientSampleId :

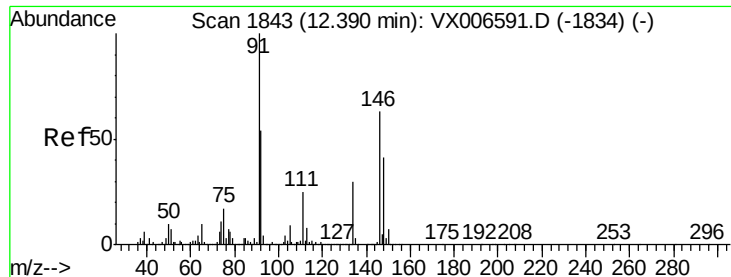
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.4	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 49.793 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.6	31.9	95.9





#89

n-Butylbenzene

Concen: 52.852 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

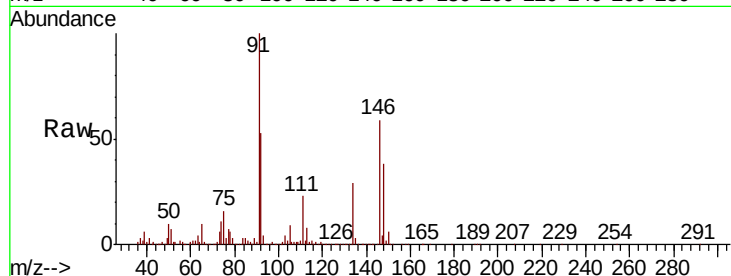
Tot Ion: 91 Resp: 1125446

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	28.6	14.4	43.2

91 100

92 53.3 26.8 80.4

134 28.6 14.4 43.2

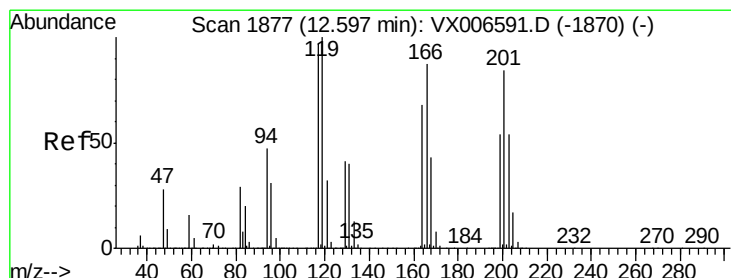
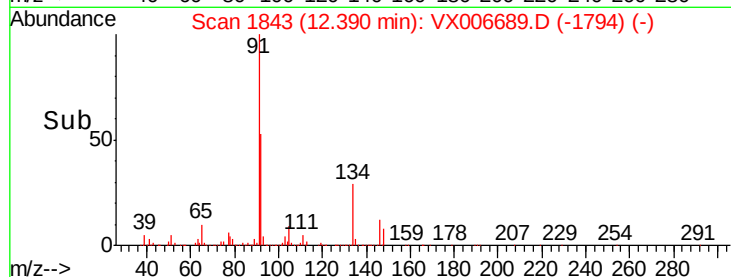
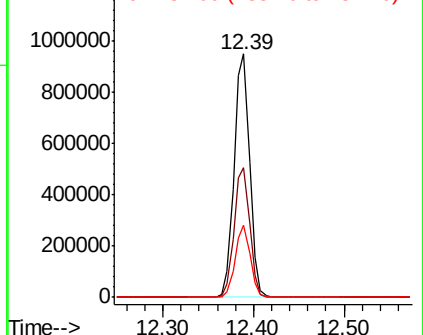


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.377 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006689.D

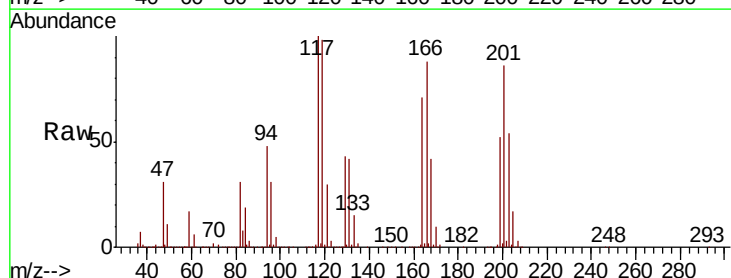
Acq: 20 Dec 2018 21:34

Tgt Ion: 117 Resp: 188993

Ion	Ratio	Lower	Upper
117	100		
201	84.0	42.9	128.7

117 100

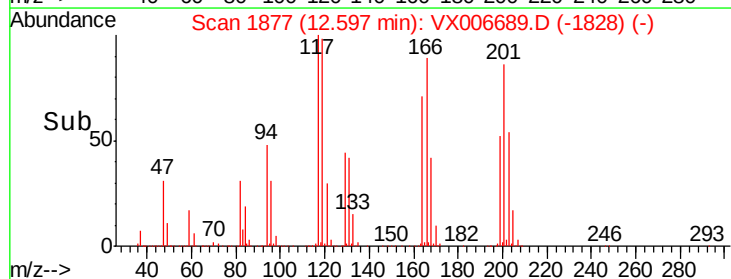
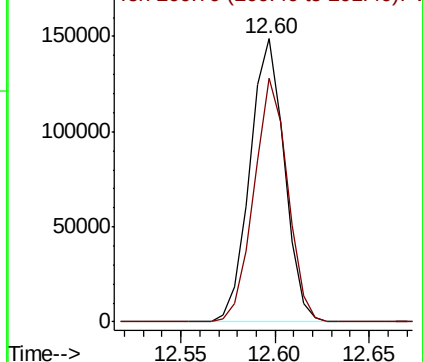
201 84.0 42.9 128.7

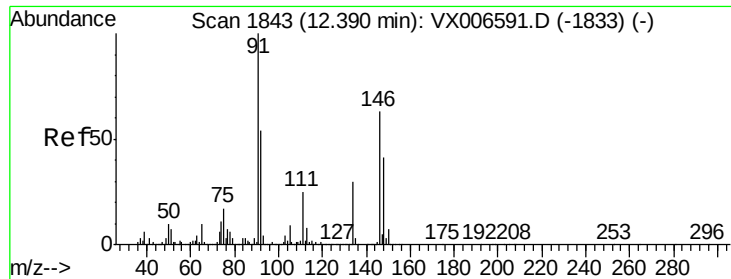


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

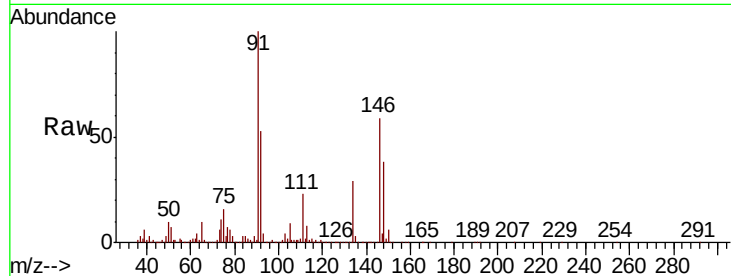




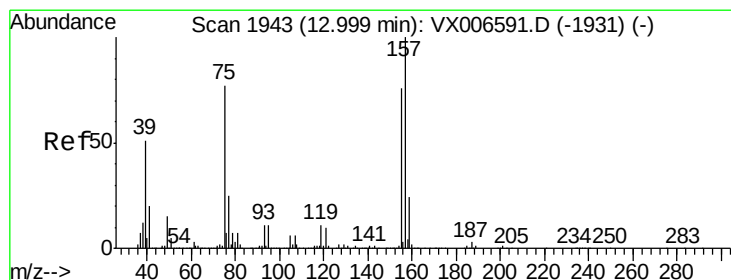
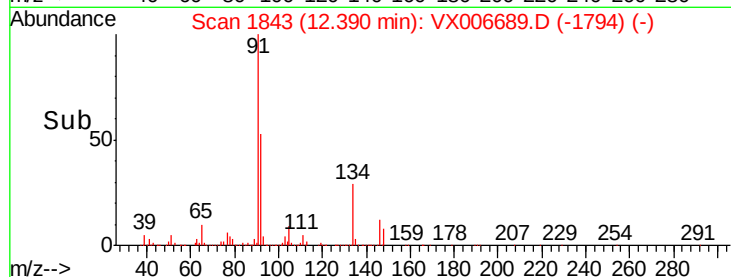
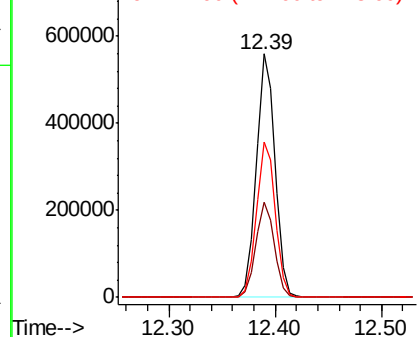
#91
 1,2-Dichlorobenzene
 Concen: 50.156 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.3	32.3	96.9

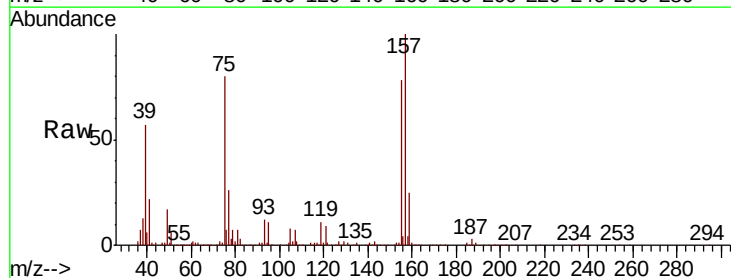


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

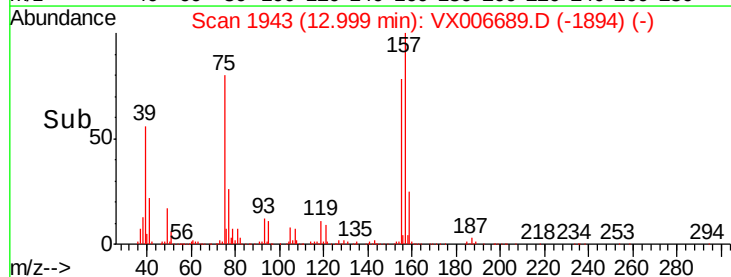
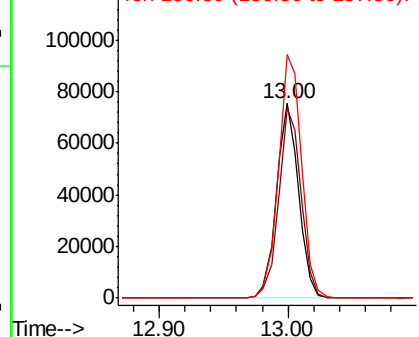


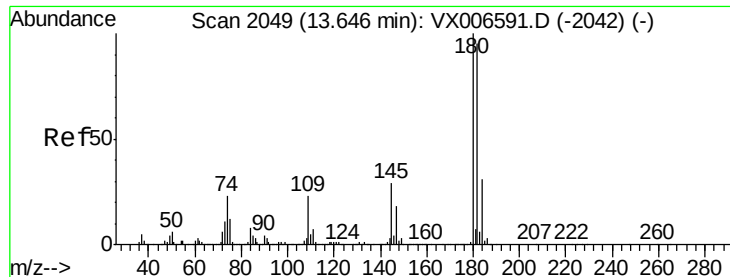
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.524 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	50.6	151.8
157	130.0	64.6	193.8



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

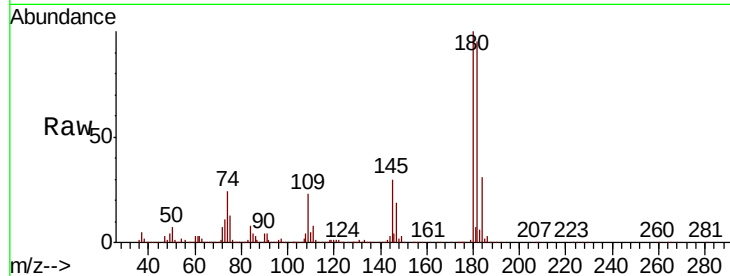




#93
 1,2,4-Trichlorobenzene
 Concen: 51.998 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	142.0
145	29.7	14.8	44.3

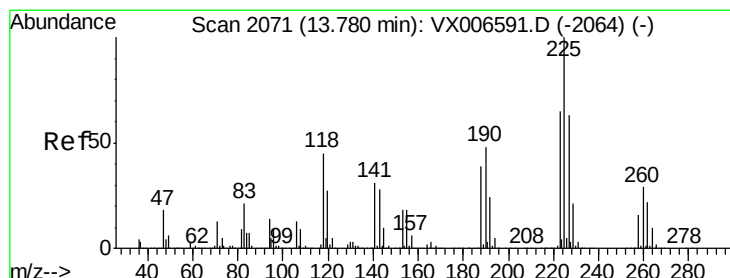
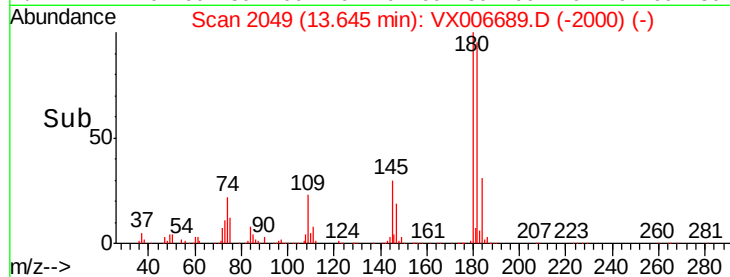
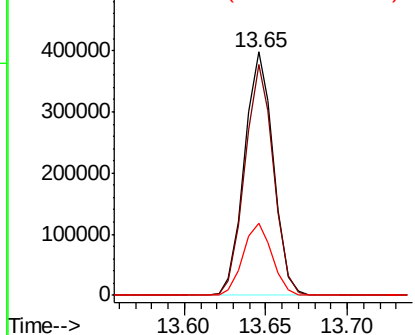


Abundance

Ion 179.80 (179.50 to 180.50): V

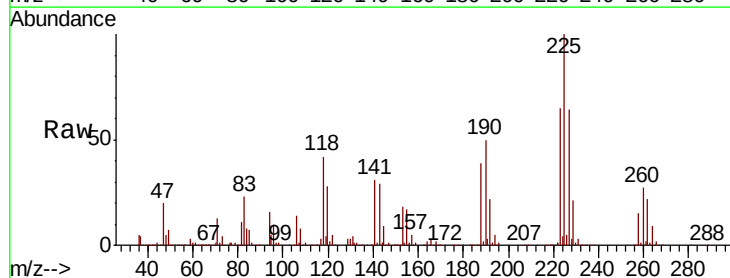
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.442 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.1	96.3
227	64.7	32.3	96.8

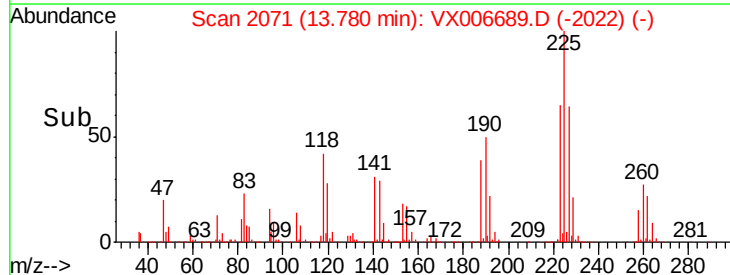
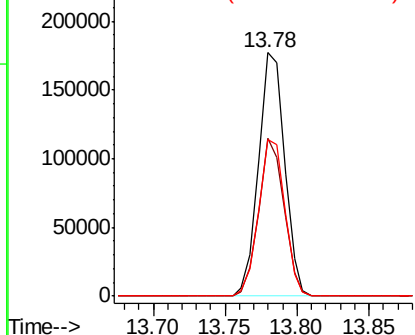


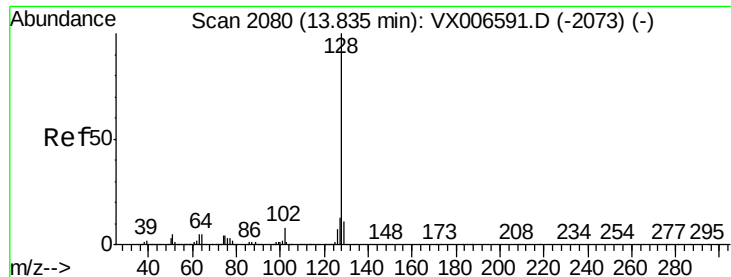
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

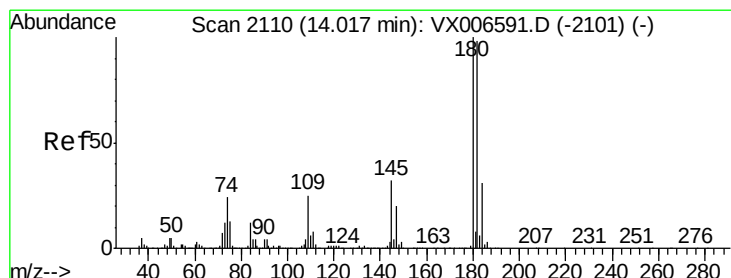
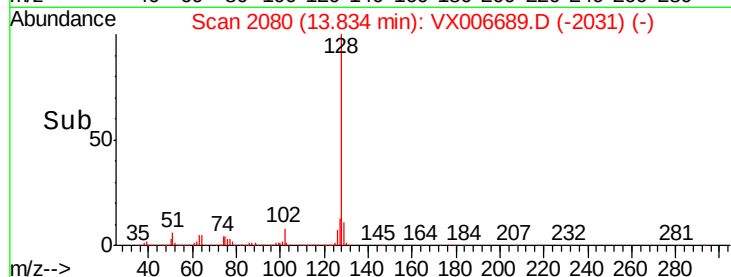
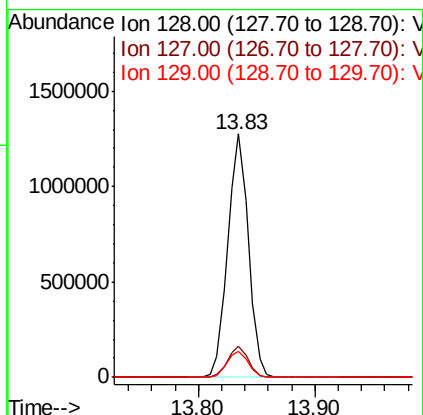
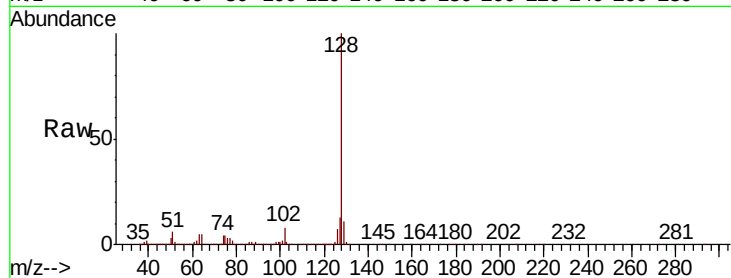




#95
Naphthalene
Concen: 51.808 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1565674
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.398 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion:180 Resp: 492712
Ion Ratio Lower Upper
180 100
182 95.7 48.5 145.5
145 31.7 16.0 47.9

