

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002804.D
 Acq On : 21 Jun 2018 22:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 22 02:22:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329845	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208775	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	161371	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
35) Dibromofluoromethane	5.51	113	130454	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	8.72	98	466694	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.14	95	184232	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113964	44.92	ug/l	99
3) Chloromethane	1.32	50	126055	41.77	ug/l	99
4) Vinyl Chloride	1.40	62	138816	44.33	ug/l	100
5) Bromomethane	1.64	94	60957	32.26	ug/l	97
6) Chloroethane	1.71	64	91111	44.14	ug/l	99
7) Trichlorofluoromethane	1.92	101	247021	48.55	ug/l	99
8) Diethyl Ether	2.19	74	87430	45.18	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	136952	48.15	ug/l	99
10) Methyl Iodide	2.51	142	141793	38.30	ug/l	100
11) Tert butyl alcohol	3.09	59	175002	233.10	ug/l	99
12) 1,1-Dichloroethene	2.37	96	123494	46.25	ug/l	97
13) Acrolein	2.30	56	79869	227.56	ug/l	99
14) Allyl chloride	2.73	41	241596	45.57	ug/l	100
15) Acrylonitrile	3.15	53	394088	240.55	ug/l	100
16) Acetone	2.45	43	369973	230.91	ug/l	99
17) Carbon Disulfide	2.57	76	328904	51.93	ug/l	100
18) Methyl Acetate	2.78	43	229338	53.73	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	455581	45.48	ug/l	100
20) Methylene Chloride	2.85	84	140890	42.89	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	133628	46.13	ug/l	99
22) Diisopropyl ether	3.88	45	464206	48.39	ug/l	99
23) Vinyl Acetate	3.83	43	1943515	242.08	ug/l	99
24) 1,1-Dichloroethane	3.70	63	259441	49.83	ug/l	98
25) 2-Butanone	4.71	43	554767	263.65	ug/l	99
26) 2,2-Dichloropropane	4.59	77	148906	39.80	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	146935	49.85	ug/l	96
28) Bromochloromethane	5.02	49	113842	46.69	ug/l	94
29) Tetrahydrofuran	5.17	42	359486	260.68	ug/l	98
30) Chloroform	5.22	83	261589	52.10	ug/l	97
31) Cyclohexane	5.58	56	219900	51.30	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	230135	54.81	ug/l	100
36) 1,1-Dichloropropene	5.80	75	189771	54.17	ug/l	99
37) Ethyl Acetate	4.87	43	213485	53.84	ug/l	100
38) Carbon Tetrachloride	5.79	117	209705	60.12	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	223223	54.51	ug/l	98
40) Benzene	6.15	78	561683	53.47	ug/l	100
41) Methacrylonitrile	5.07	41	123034	54.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	222019	54.59	ug/l	100
43) Isopropyl Acetate	6.47	43	347605	52.91	ug/l	99
44) Trichloroethene	7.21	130	162989	53.76	ug/l	97
45) 1,2-Dichloropropane	7.52	63	148306	53.65	ug/l	99
46) Dibromomethane	7.66	93	103151	55.78	ug/l	98
47) Bromodichloromethane	7.90	83	195908	60.06	ug/l	100
48) Methyl methacrylate	7.78	41	187274	55.78	ug/l	98
49) 1,4-Dioxane	7.76	88	70341	1106.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1168302	276.98	ug/l	99
52) Toluene	8.79	92	365756	54.59	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	216754	50.19	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	202093	49.13	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	149395	55.18	ug/l	99
56) Ethyl methacrylate	9.18	69	222176	53.32	ug/l	98
57) 1,3-Dichloropropane	9.38	76	246537	53.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	518392	257.23	ug/l	99
59) 2-Hexanone	9.50	43	902114	283.82	ug/l	99
60) Dibromochloromethane	9.59	129	161283	52.73	ug/l	99
61) 1,2-Dibromoethane	9.68	107	160614	57.28	ug/l	99
64) Tetrachloroethene	9.34	164	194602	54.42	ug/l	99
65) Chlorobenzene	10.14	112	423901	53.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	159893	59.28	ug/l	98
67) Ethyl Benzene	10.26	91	723226	54.20	ug/l	99
68) m/p-Xylenes	10.37	106	561707	109.12	ug/l	100
69) o-Xylene	10.70	106	274643	54.31	ug/l	99
70) Styrene	10.71	104	451775	54.32	ug/l	99
71) Bromoform	10.86	173	128022	51.93	ug/l	100
73) Isopropylbenzene	11.02	105	744907	53.35	ug/l	100
74) N-amyl acetate	6.47	43	347605	50.11	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	225183	54.61	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	261732	66.44	ug/l	80
77) Bromobenzene	11.26	156	206597	53.11	ug/l	97
78) n-propylbenzene	11.37	91	849271	53.03	ug/l	100
79) 2-Chlorotoluene	11.43	91	503789	52.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	636650	53.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	57018	46.62	ug/l	97
82) 4-Chlorotoluene	11.51	91	598554	53.06	ug/l	99
83) tert-Butylbenzene	11.77	119	615115	54.11	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	653151	54.24	ug/l	100
85) sec-Butylbenzene	11.95	105	753229	53.29	ug/l	100
86) p-Isopropyltoluene	12.07	119	685265	53.58	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	374459	52.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	383441	52.83	ug/l	99
89) n-Butylbenzene	12.39	91	584608	51.82	ug/l	100
90) Hexachloroethane	12.60	117	103275	51.71	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	382594	53.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52309	60.56	ug/l	98

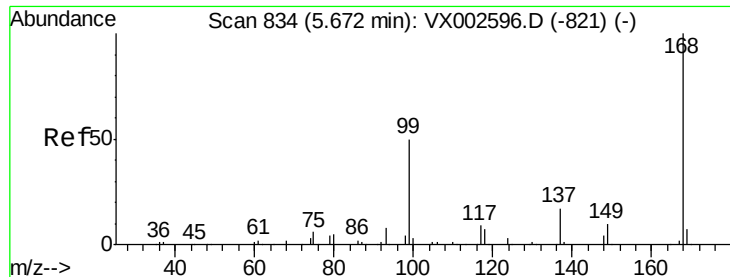
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	276576	53.08	ug/l	100
94) Hexachlorobutadiene	13.79	225	141635	51.60	ug/l	99
95) Naphthalene	13.84	128	783053	55.84	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	282583	53.99	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

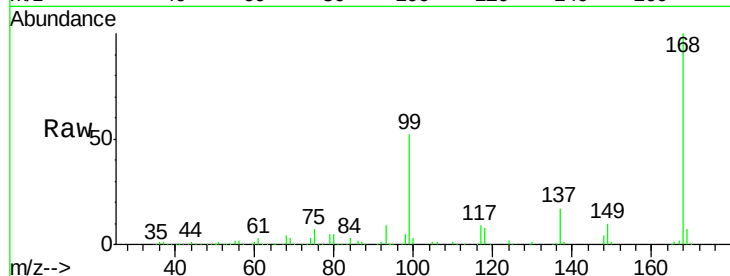
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 238980

Ion Ratio Lower Upper

168 100

99 51.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

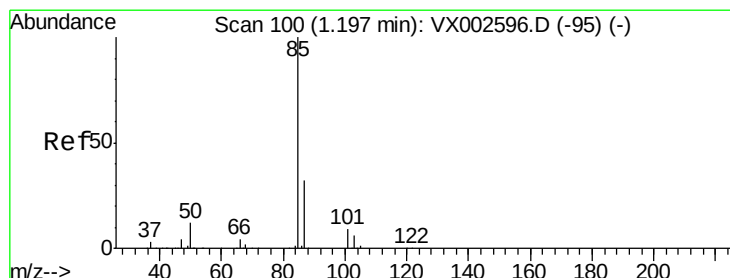
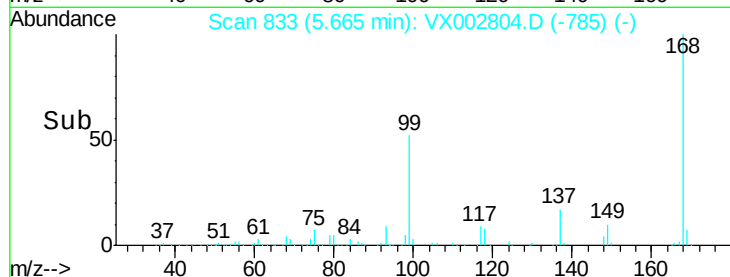
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.92 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002804.D

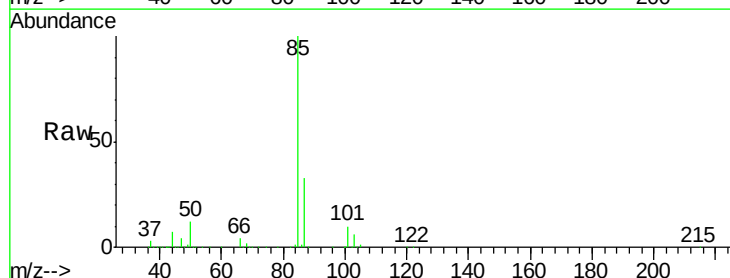
Acq: 21 Jun 2018 22:41

Tgt Ion: 85 Resp: 113964

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

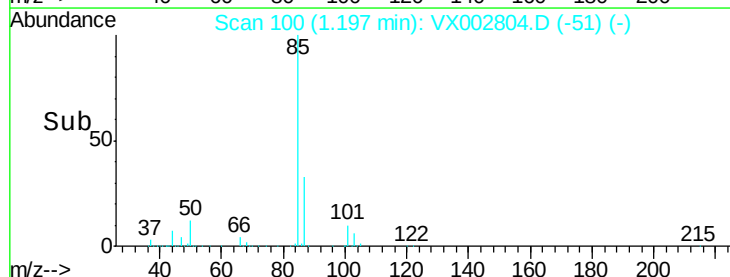
1.20

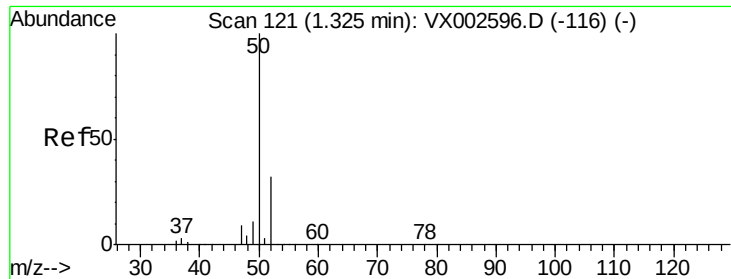
100000

50000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 41.77 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

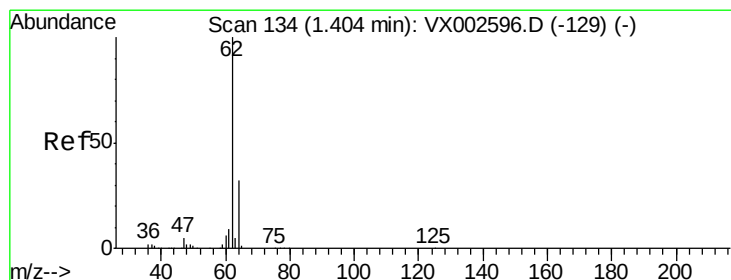
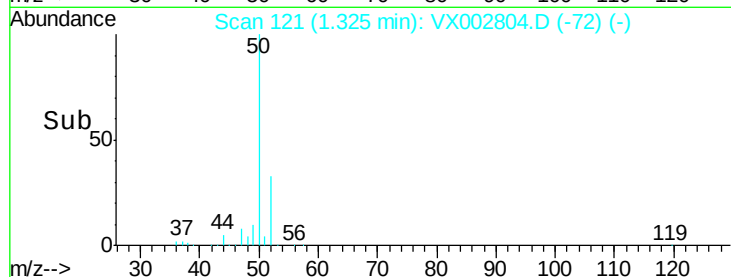
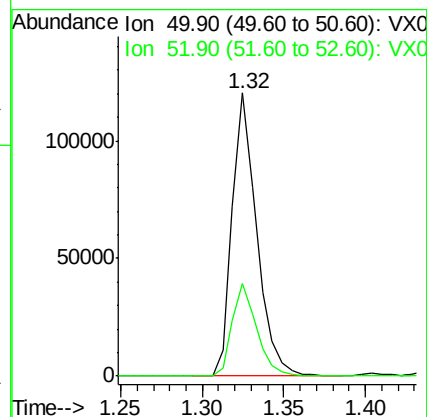
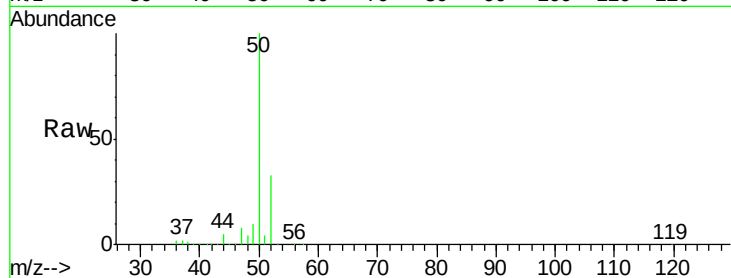
ClientSampled :

Tot Ion: 50 Resp: 126055

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 44.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002804.D

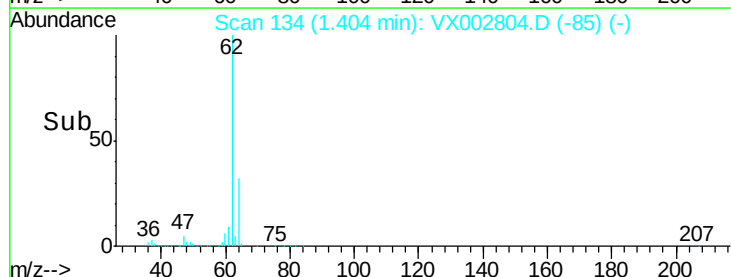
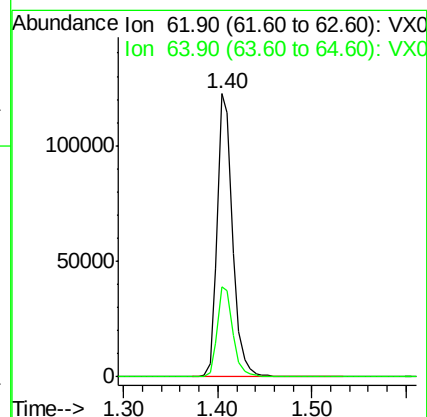
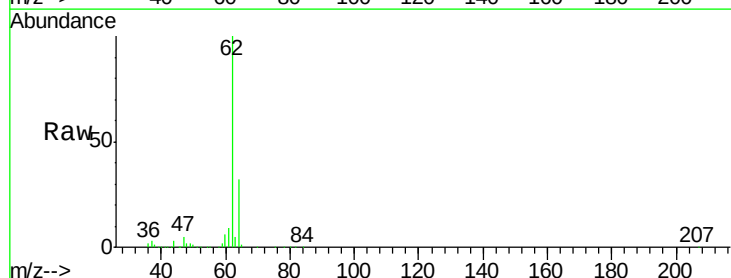
Acq: 21 Jun 2018 22:41

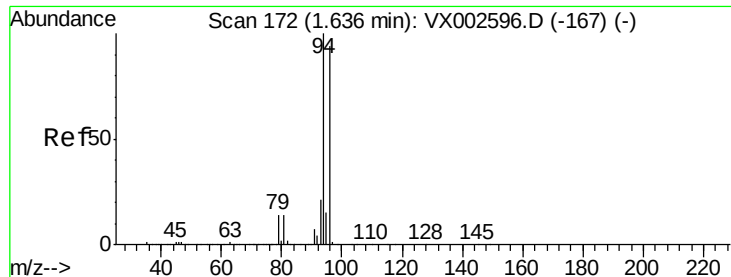
Tgt Ion: 62 Resp: 138816

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 32.26 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

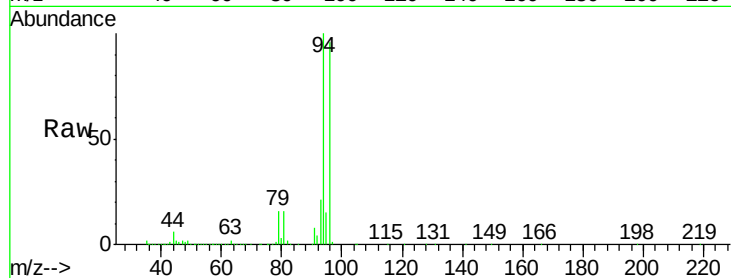
ClientSampleId :

Tot Ion: 94 Resp: 60957

Ion Ratio Lower Upper

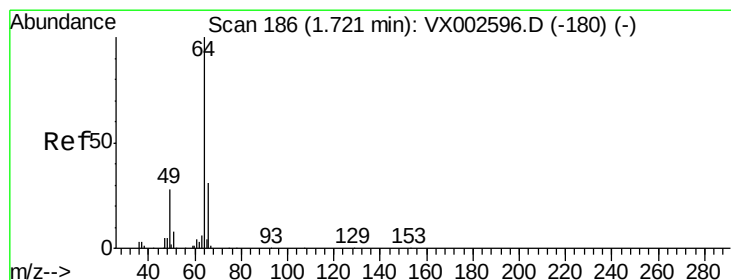
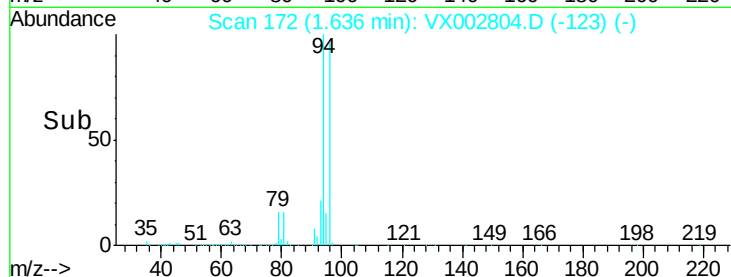
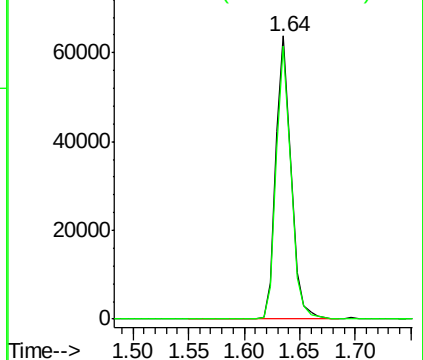
94 100

96 96.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.14 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002804.D

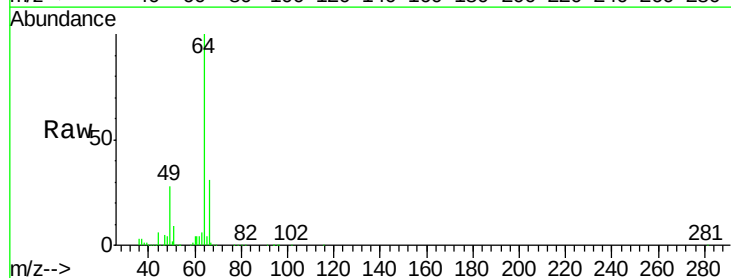
Acq: 21 Jun 2018 22:41

Tgt Ion: 64 Resp: 91111

Ion Ratio Lower Upper

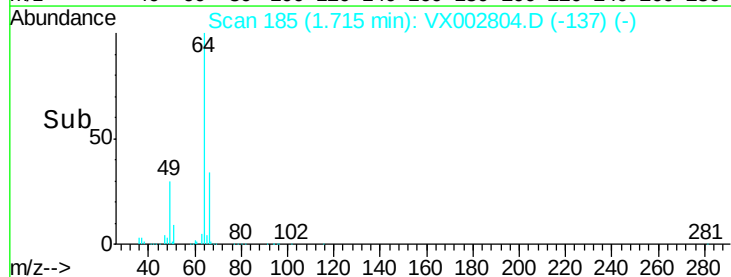
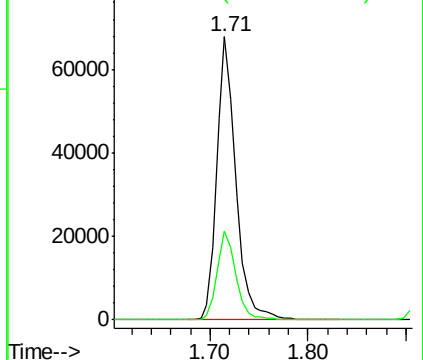
64 100

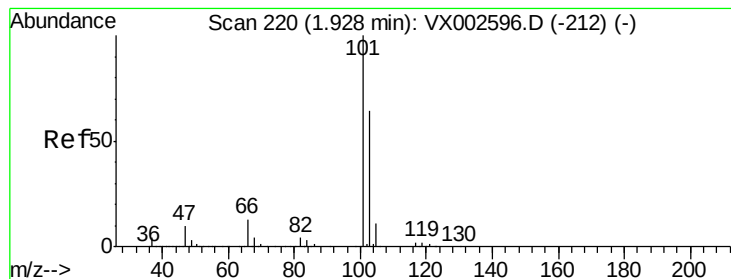
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 48.55 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

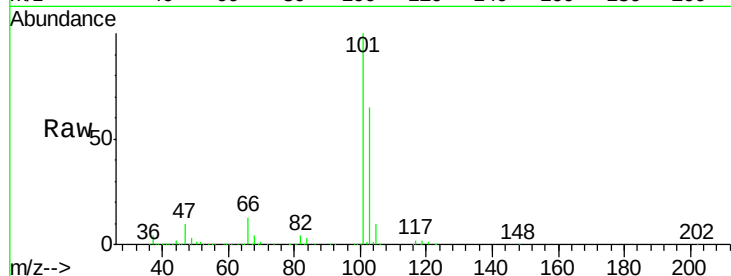
ClientSampleId :

Tot Ion:101 Resp: 247021

Ion Ratio Lower Upper

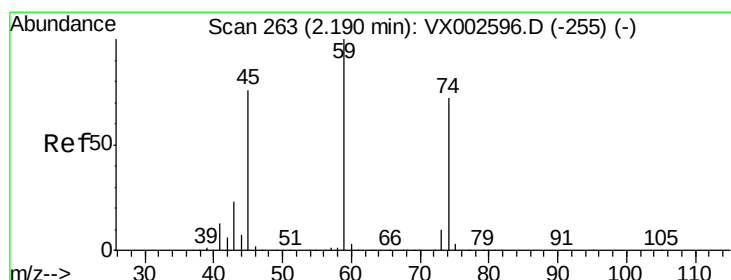
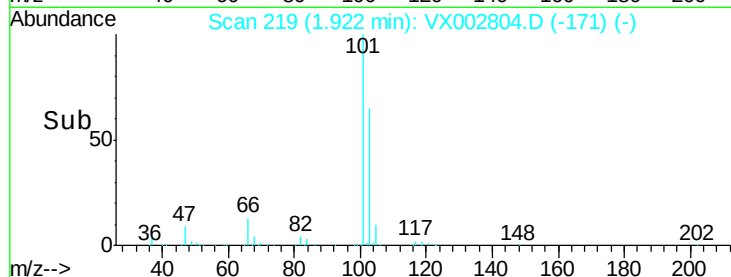
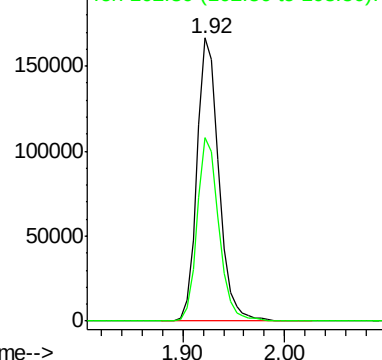
101 100

103 64.9 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 45.18 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX002804.D

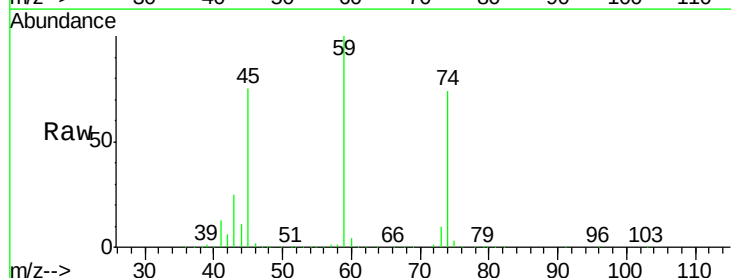
Acq: 21 Jun 2018 22:41

Tgt Ion: 74 Resp: 87430

Ion Ratio Lower Upper

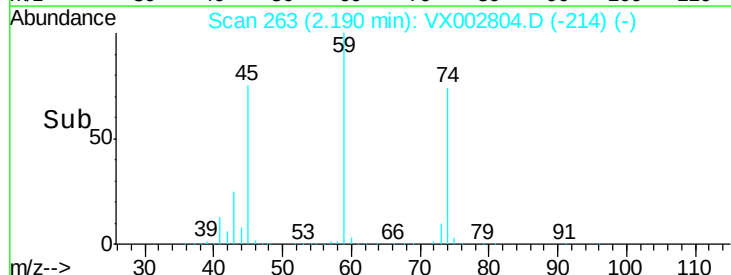
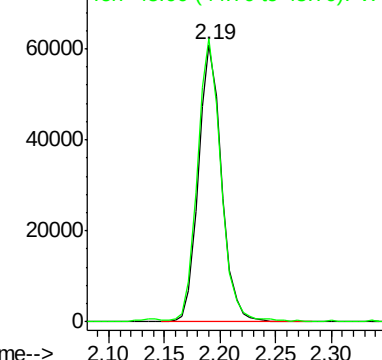
74 100

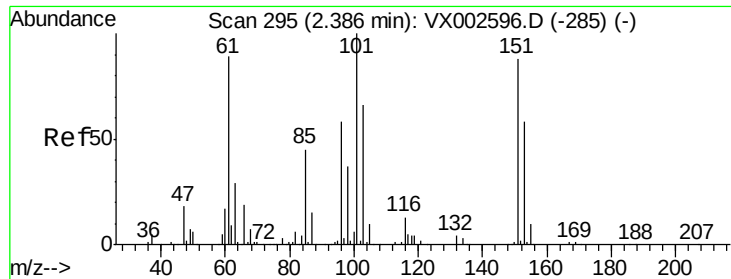
45 102.8 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.15 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002804.D

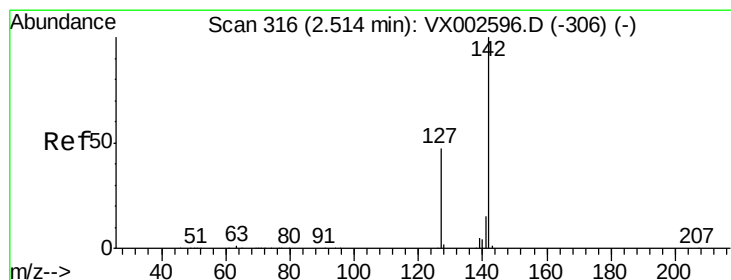
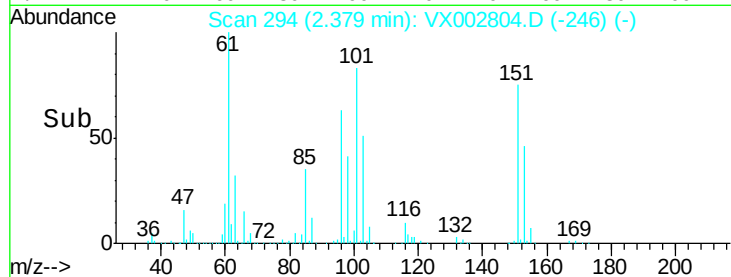
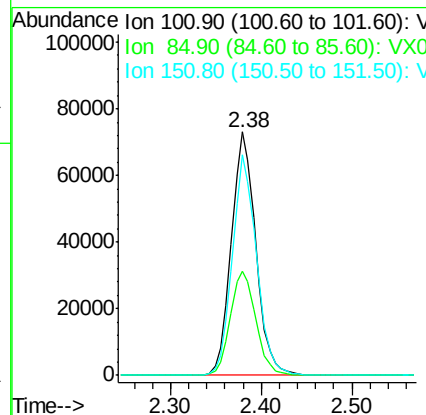
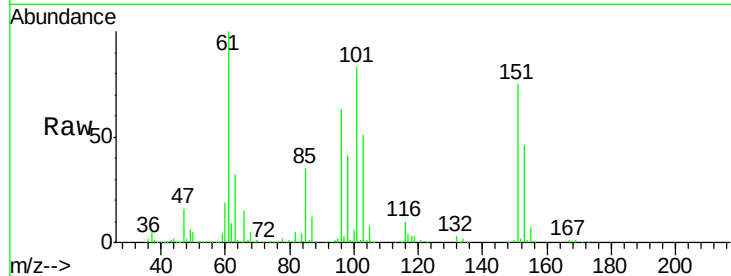
Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	136952
Ion	Ratio	Lower	Upper
101	100		
85	44.6	36.0	54.0
151	89.5	70.9	106.3



#10

Methyl Iodide

Concen: 38.30 ug/l

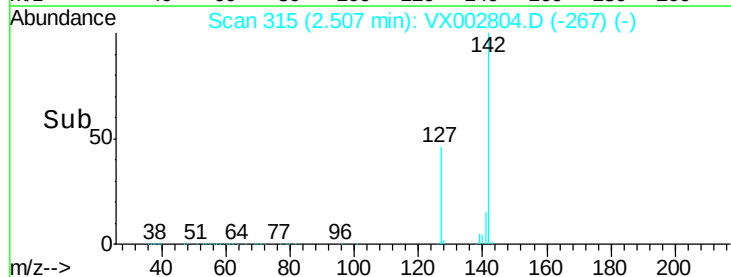
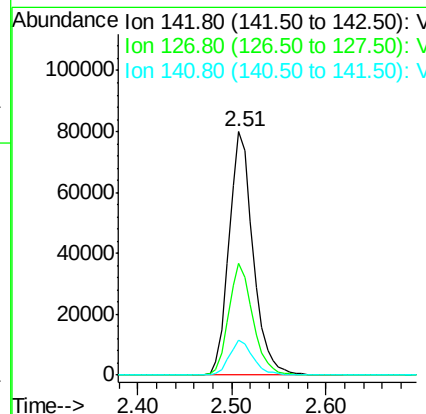
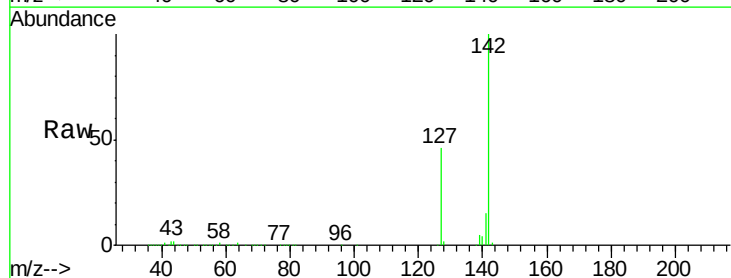
RT: 2.51 min Scan# 315

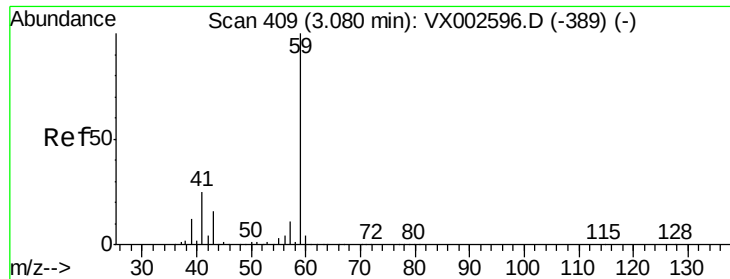
Delta R.T. -0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Tgt Ion:	142	Resp:	141793
Ion	Ratio	Lower	Upper
142	100		
127	45.9	36.6	55.0
141	14.3	11.3	16.9

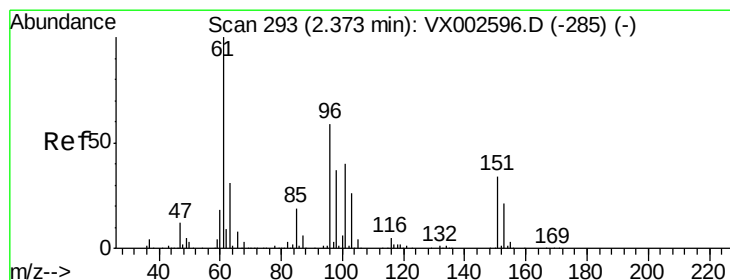
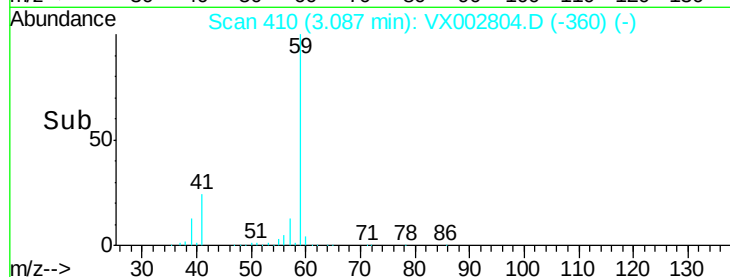
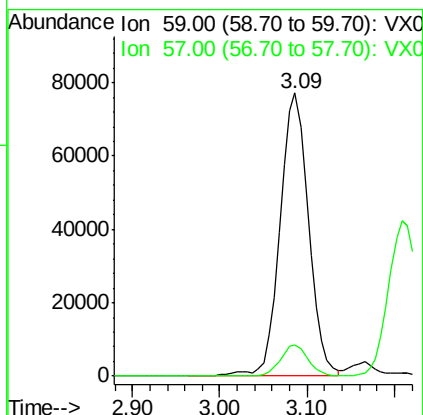
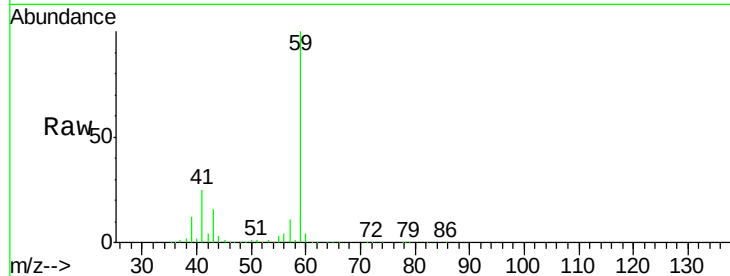




#11
Tert butyl alcohol
Concen: 233.10 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

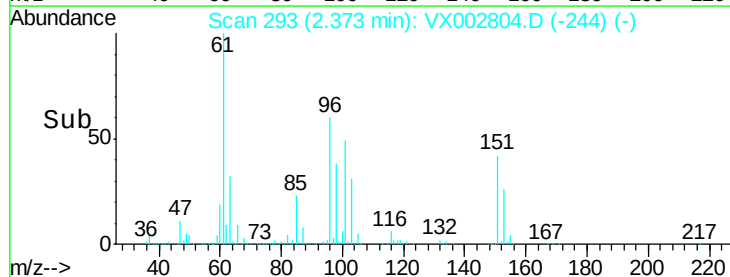
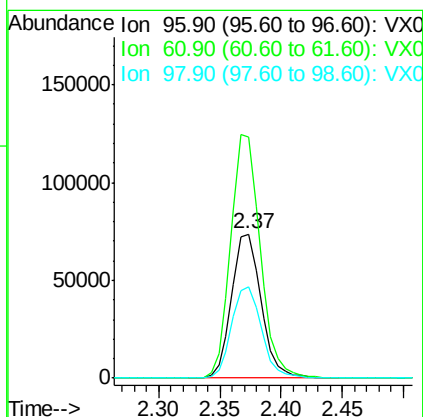
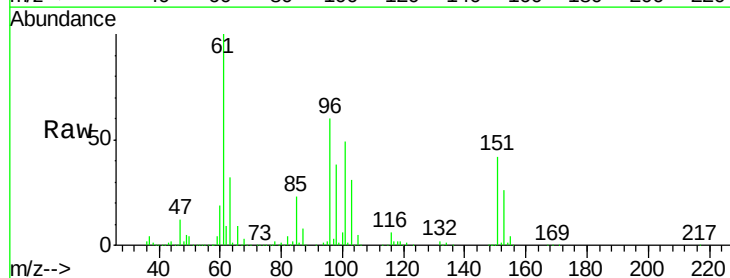
Instrument :
MSVOA_X
ClientSampled :

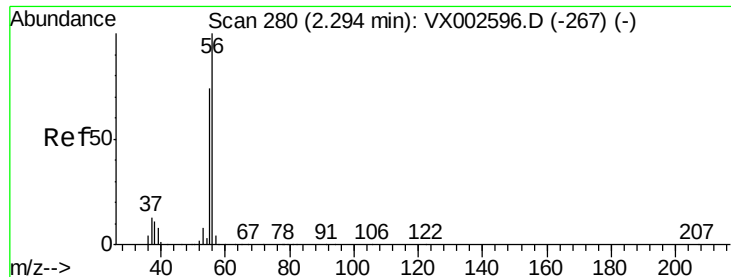
Tot Ion: 59 Resp: 175002
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 46.25 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 96 Resp: 123494
Ion Ratio Lower Upper
96 100
61 168.0 137.9 206.9
98 63.9 51.6 77.4

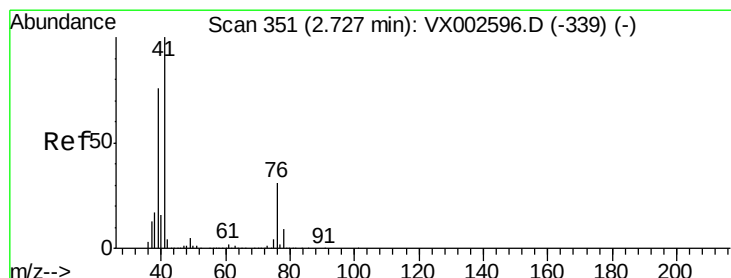
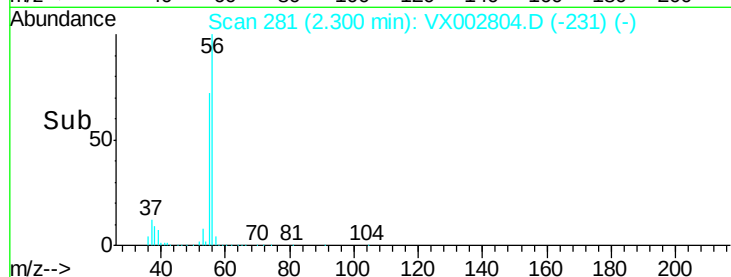
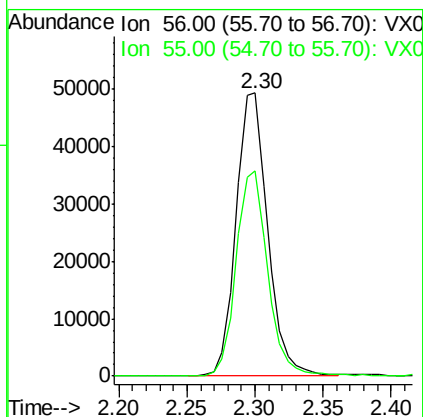
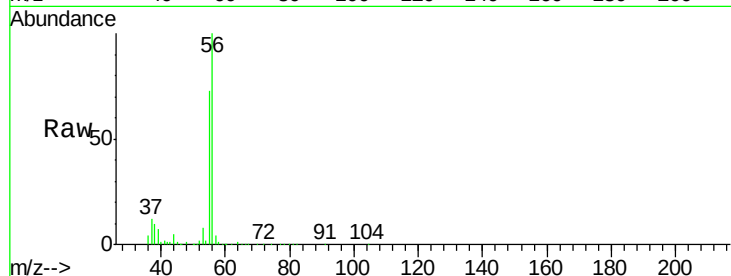




#13
Acrolein
Concen: 227.56 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

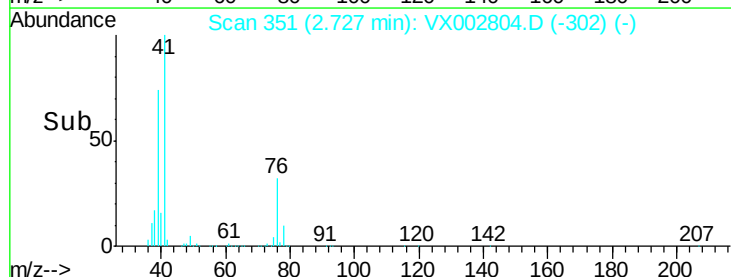
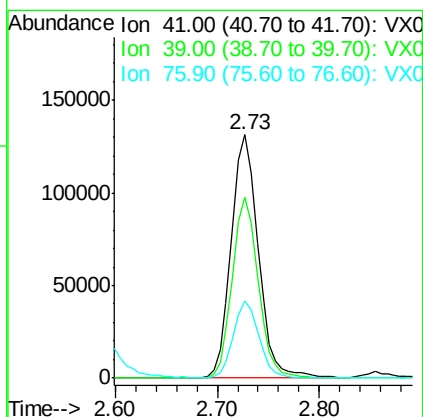
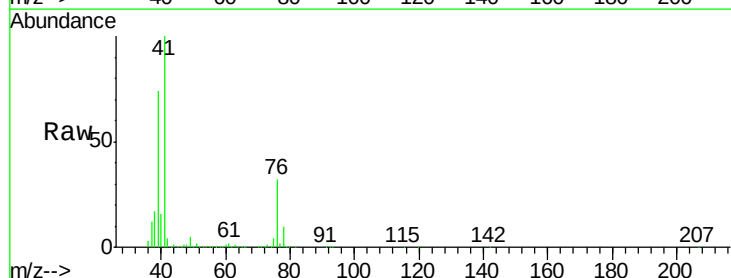
Instrument :
MSVOA_X
ClientSampled :

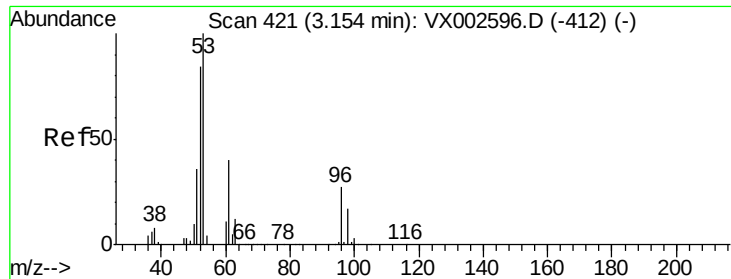
Tot Ion: 56 Resp: 79869
Ion Ratio Lower Upper
56 100
55 72.2 57.0 85.4



#14
Allyl chloride
Concen: 45.57 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 41 Resp: 241596
Ion Ratio Lower Upper
41 100
39 70.8 56.8 85.2
76 30.3 23.8 35.8





#15

Acrylonitrile

Concen: 240.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

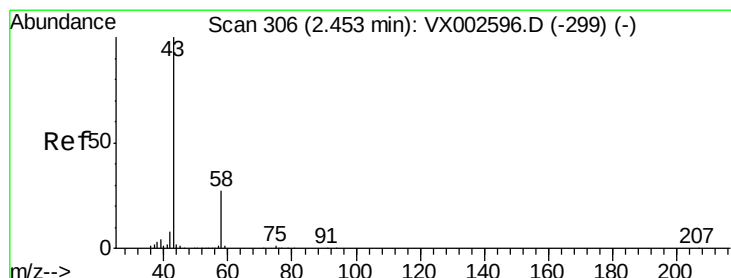
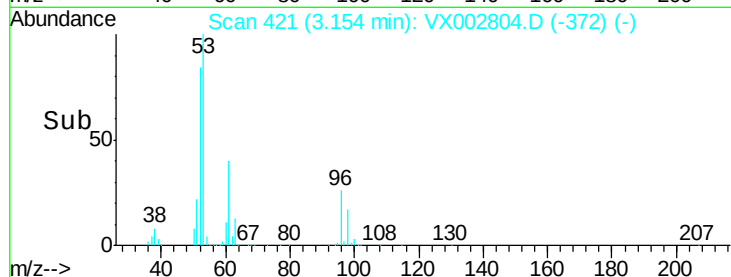
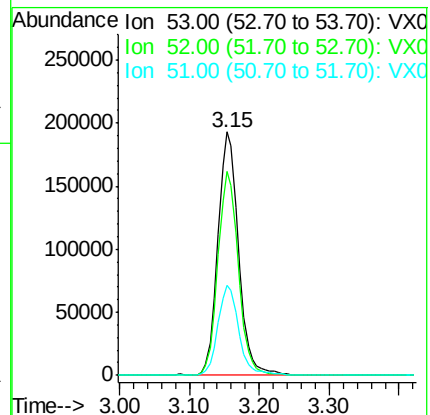
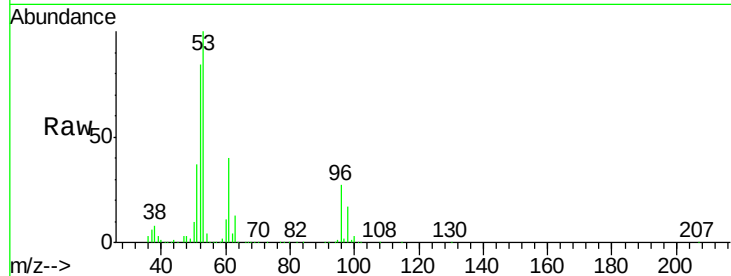
Tot Ion: 53 Resp: 394088

Ion Ratio Lower Upper

53 100

52 83.1 66.7 100.1

51 37.3 29.9 44.9



#16

Acetone

Concen: 230.91 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002804.D

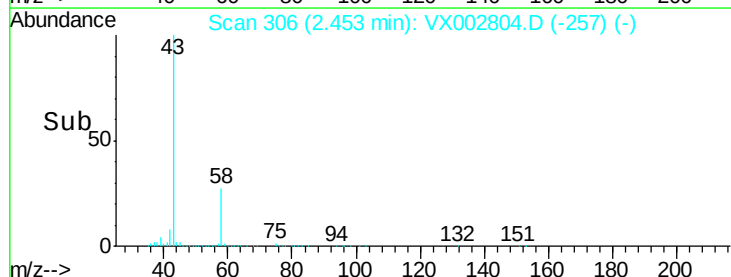
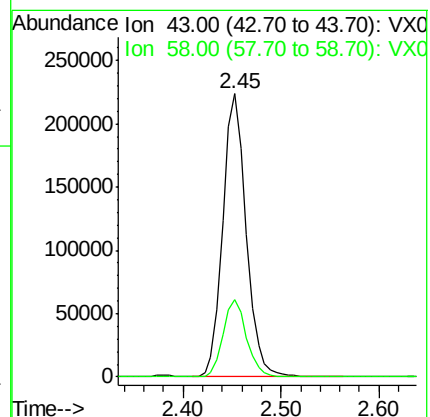
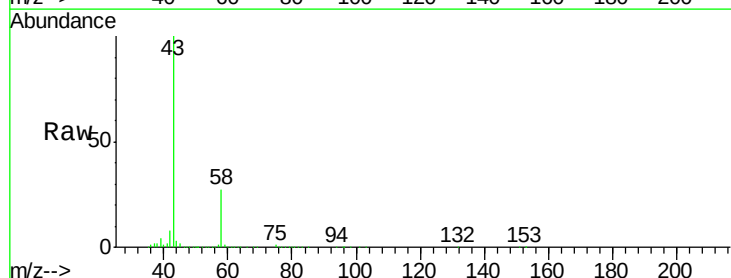
Acq: 21 Jun 2018 22:41

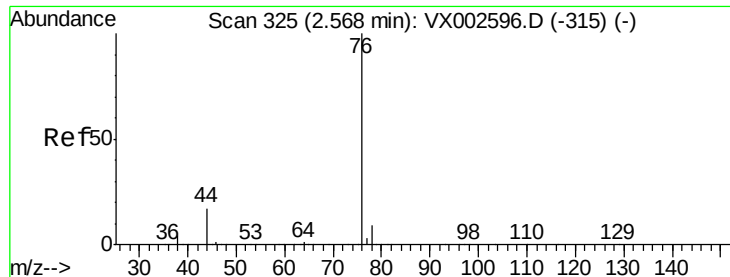
Tgt Ion: 43 Resp: 369973

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1





#17

Carbon Disulfide

Concen: 51.93 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

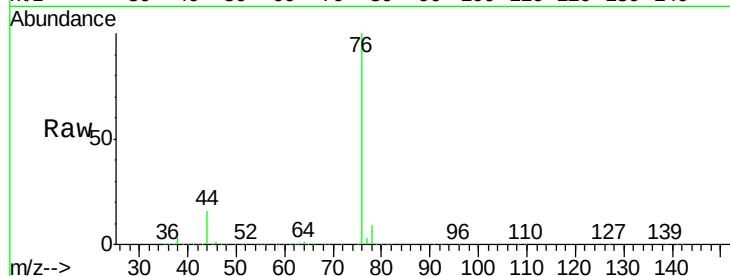
ClientSampleId :

Tot Ion: 76 Resp: 328904

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

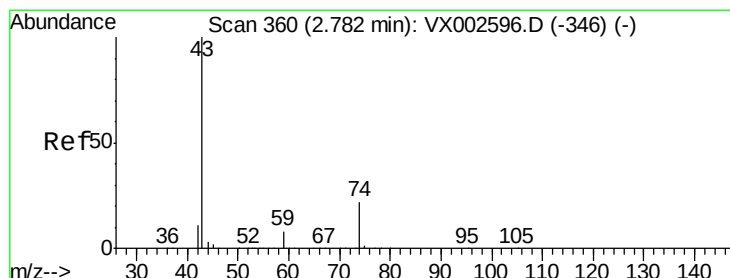
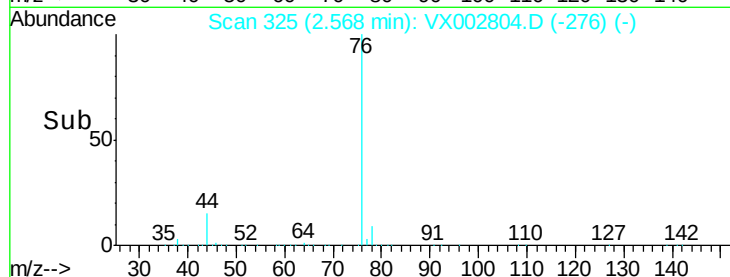
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 53.73 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002804.D

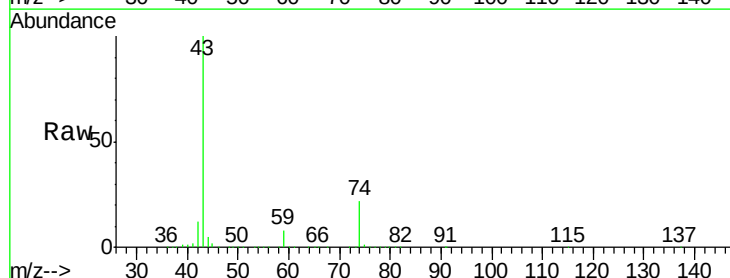
Acq: 21 Jun 2018 22:41

Tgt Ion: 43 Resp: 229338

Ion Ratio Lower Upper

43 100

74 20.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

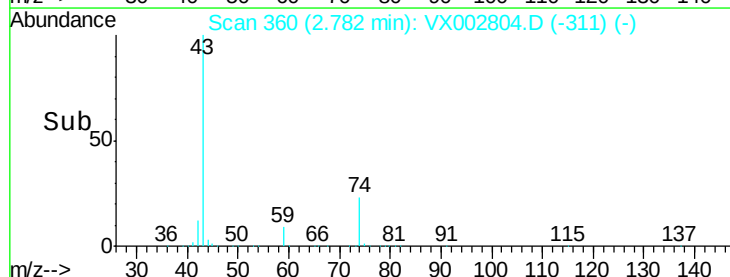
100000

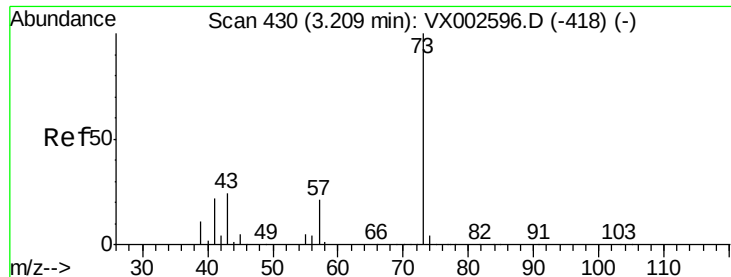
50000

0

Time-->

2.70 2.75 2.80 2.85 2.90





#19

Methyl tert-butyl Ether

Concen: 45.48 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

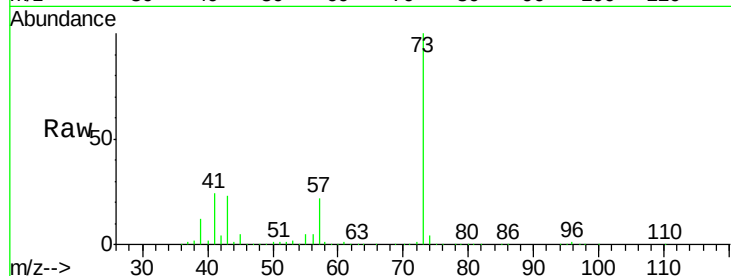
ClientSampleId :

Tot Ion: 73 Resp: 455581

Ion Ratio Lower Upper

73 100

57 21.9 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

200000

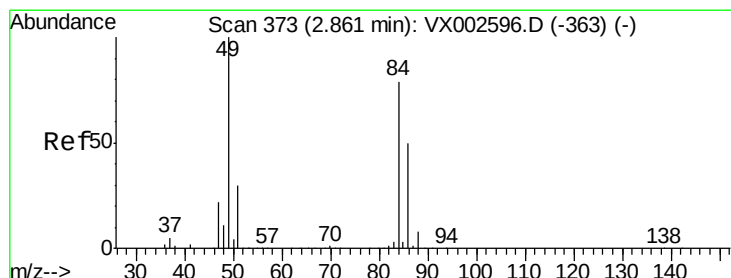
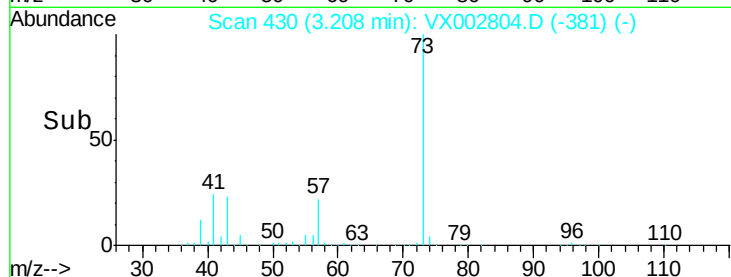
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 42.89 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Tgt Ion: 84 Resp: 140890

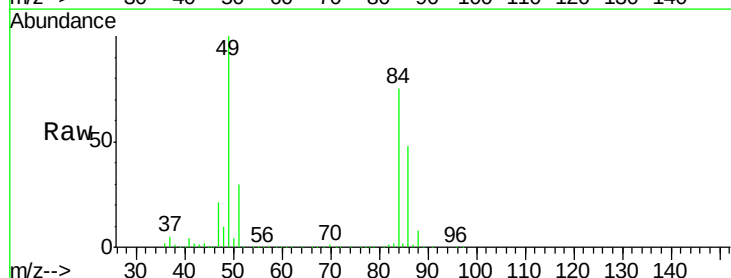
Ion Ratio Lower Upper

84 100

49 133.4 107.8 161.6

51 40.4 32.8 49.2

86 63.5 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

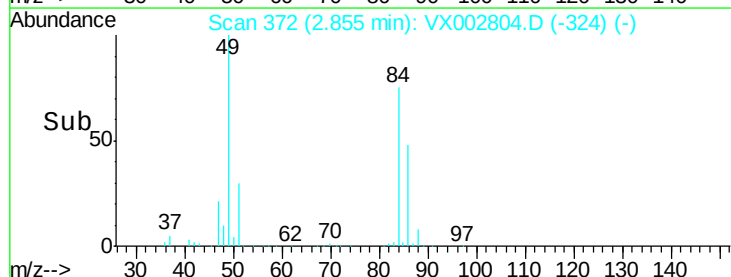
2.85

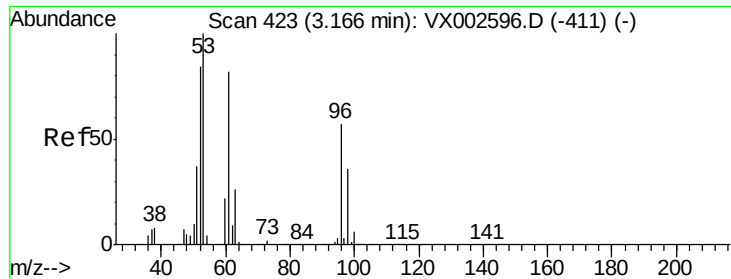
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.13 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

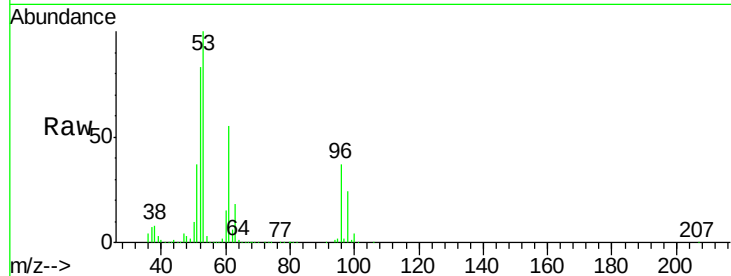
Tot Ion: 96 Resp: 133628

Ion Ratio Lower Upper

96 100

61 147.5 117.0 175.4

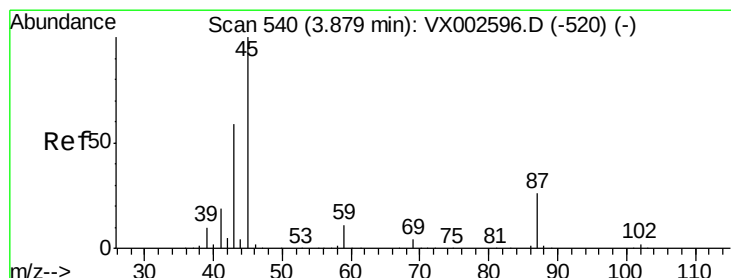
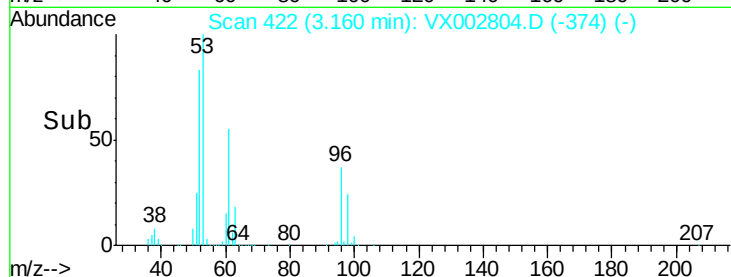
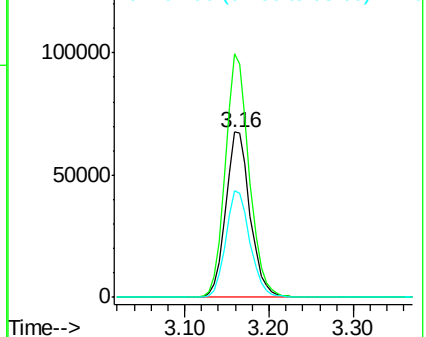
98 64.9 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.39 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Tgt Ion: 45 Resp: 464206

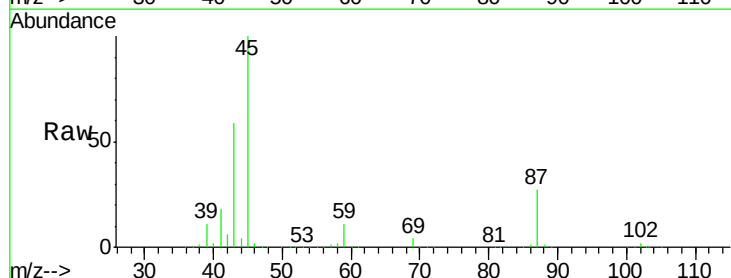
Ion Ratio Lower Upper

45 100

43 58.8 46.8 70.2

87 26.7 20.2 30.4

59 11.3 8.7 13.1

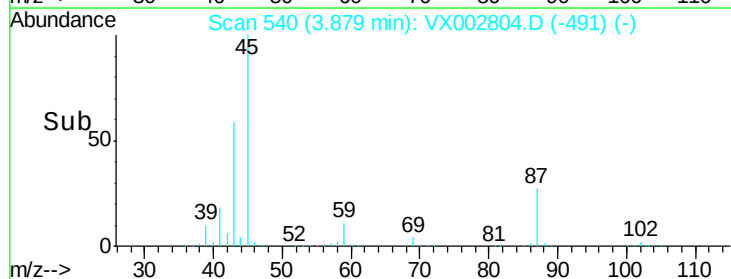
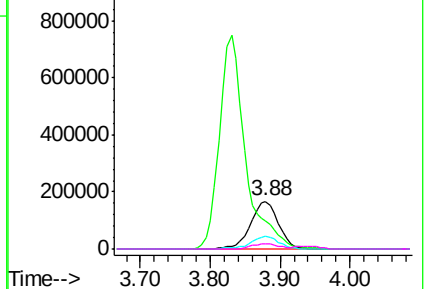


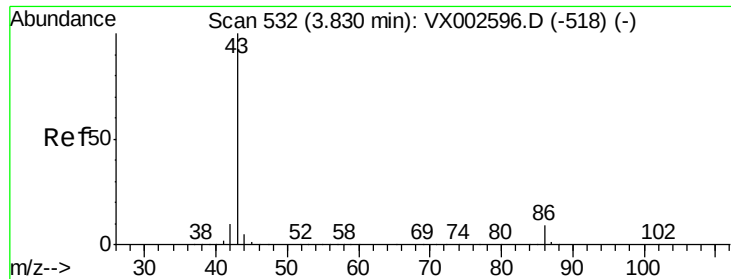
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 242.08 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

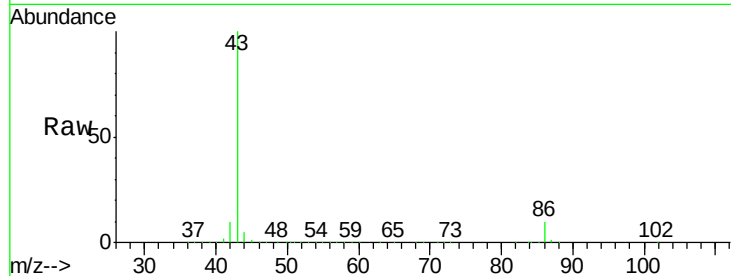
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1943515

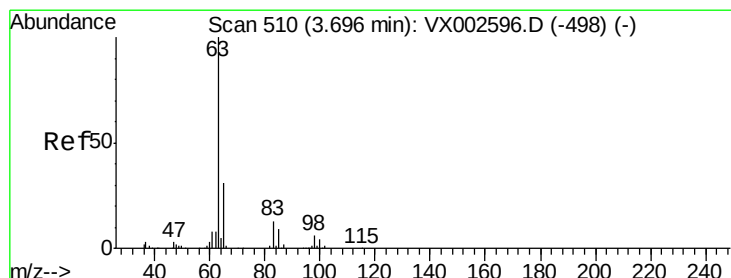
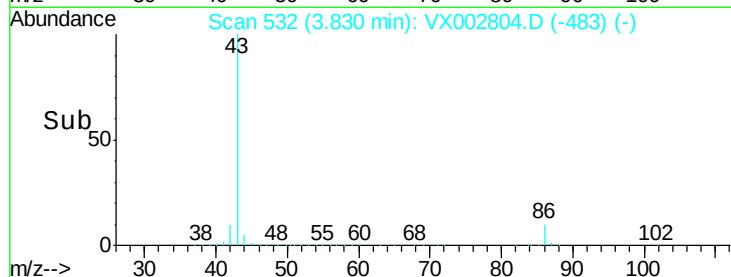
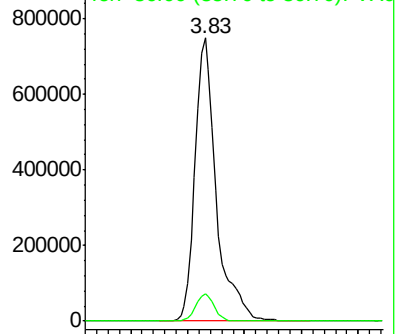
Ion Ratio Lower Upper

43 100

86 9.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX002804.D (-483) (-)



#24

1,1-Dichloroethane

Concen: 49.83 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

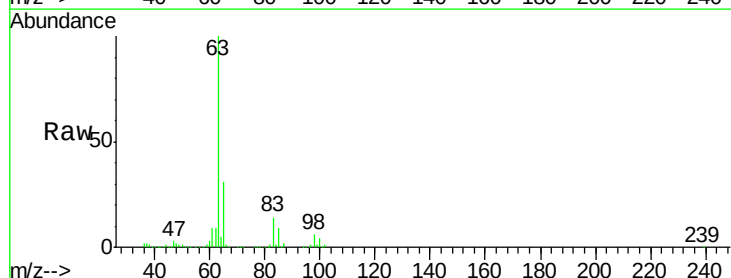
Tgt Ion: 63 Resp: 259441

Ion Ratio Lower Upper

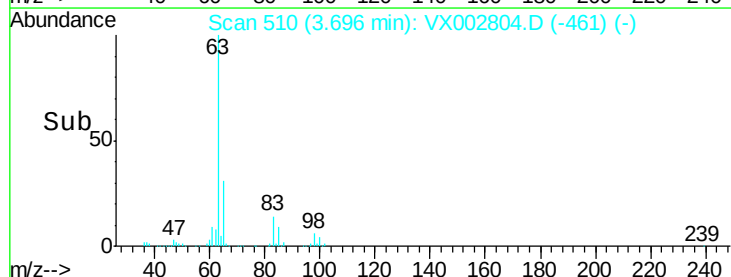
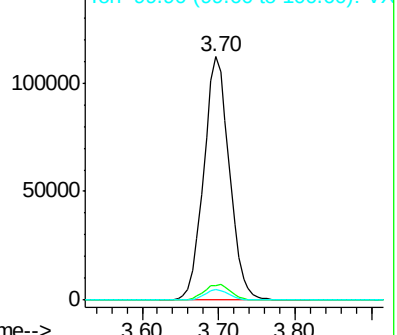
63 100

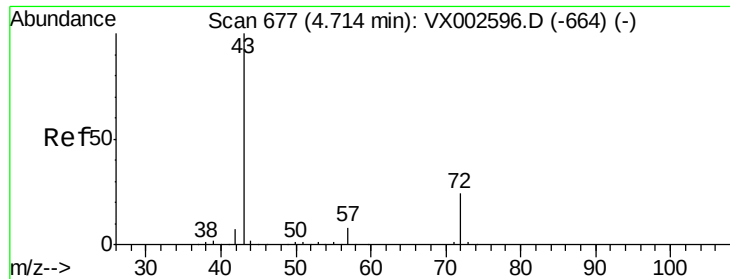
98 6.1 3.4 10.2

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX002804.D (-461) (-)





#25

2-Butanone

Concen: 263.65 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

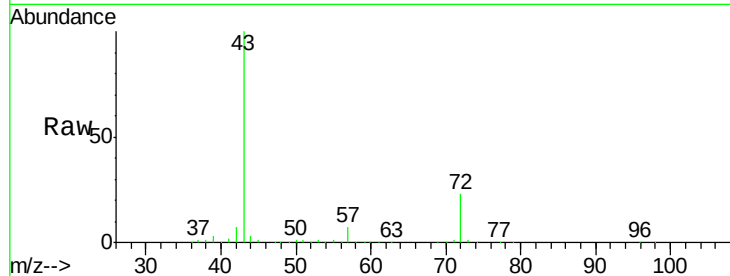
ClientSampled :

Tot Ion: 43 Resp: 554767

Ion Ratio Lower Upper

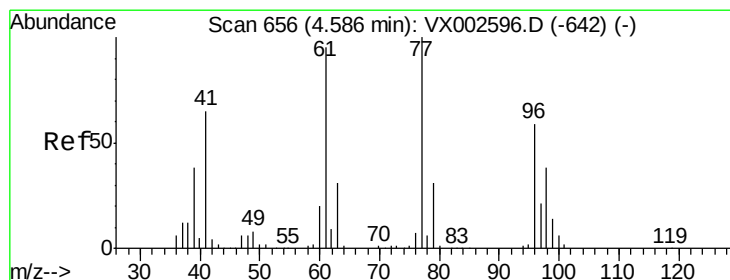
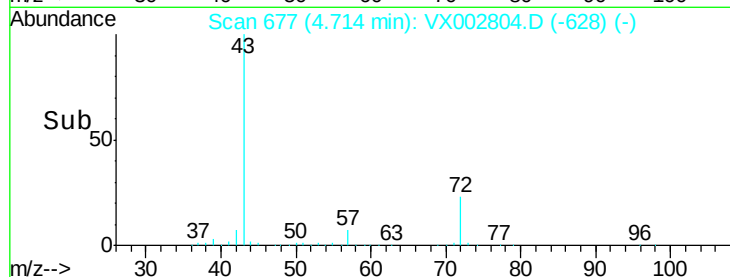
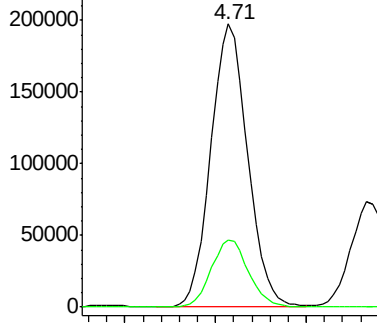
43 100

72 23.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 39.80 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002804.D

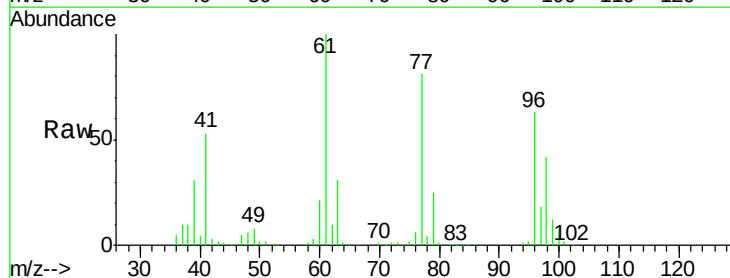
Acq: 21 Jun 2018 22:41

Tgt Ion: 77 Resp: 148906

Ion Ratio Lower Upper

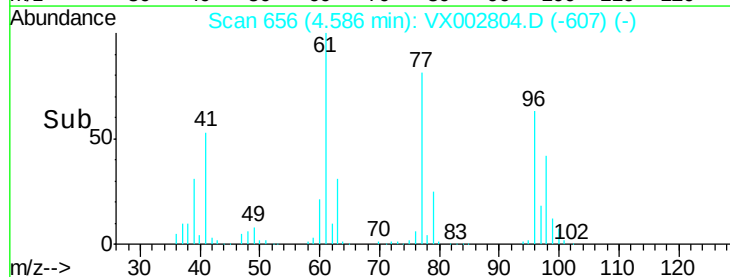
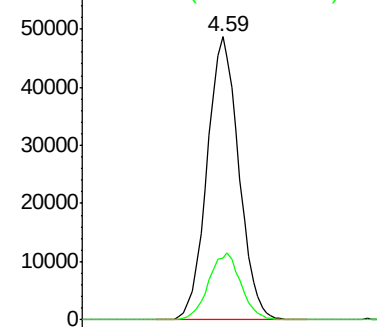
77 100

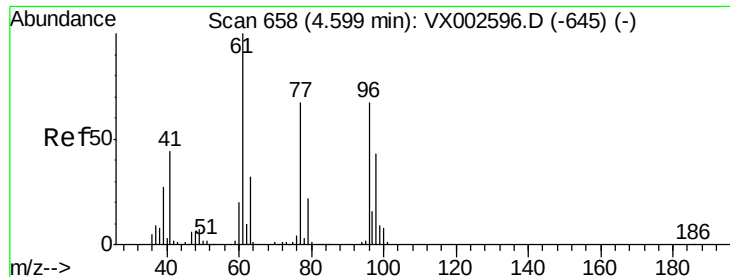
97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 49.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampled :

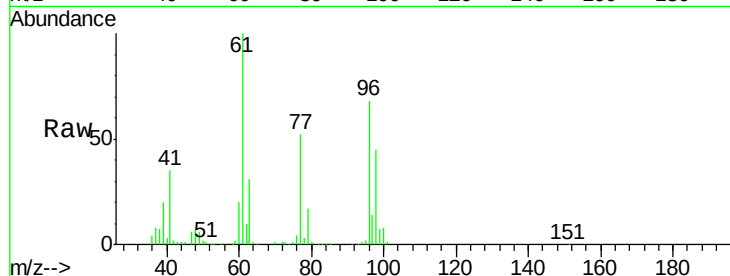
Tot Ion: 96 Resp: 146935

Ion Ratio Lower Upper

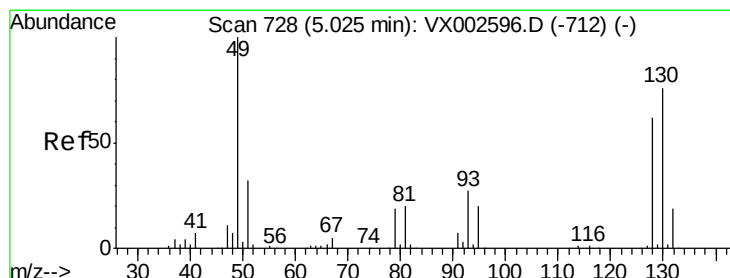
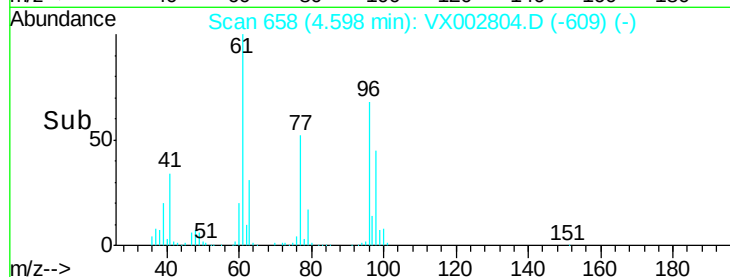
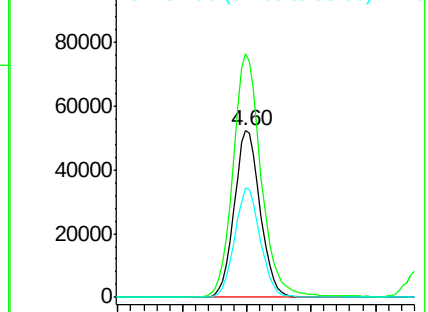
96 100

61 158.2 0.0 330.2

98 64.7 0.0 130.2



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



#28

Bromochloromethane

Concen: 46.69 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

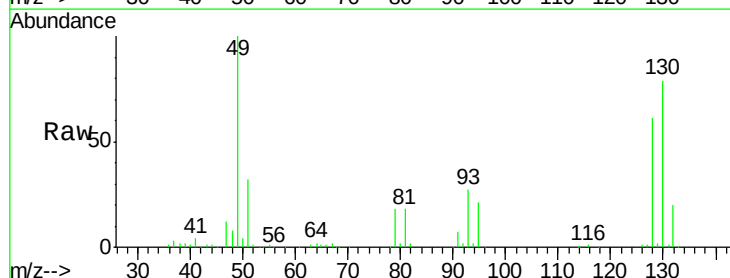
Tgt Ion: 49 Resp: 113842

Ion Ratio Lower Upper

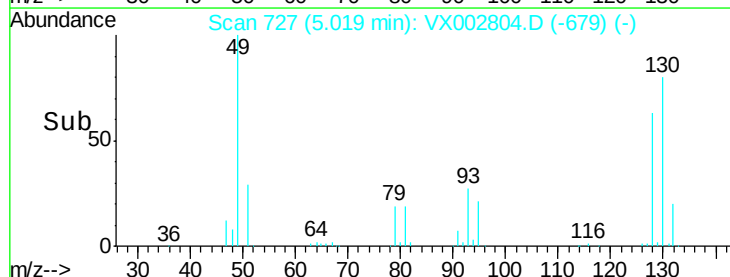
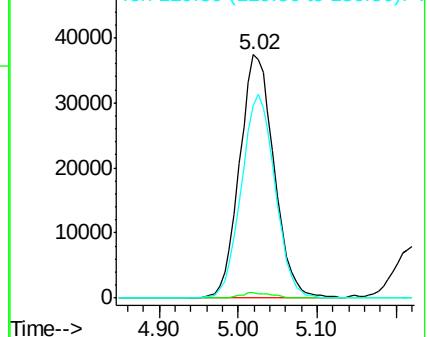
49 100

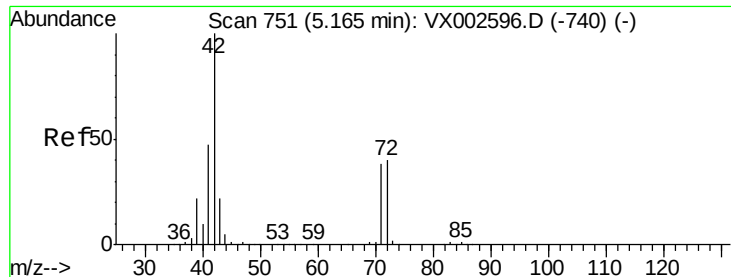
129 2.3 0.0 4.2

130 81.6 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.68 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

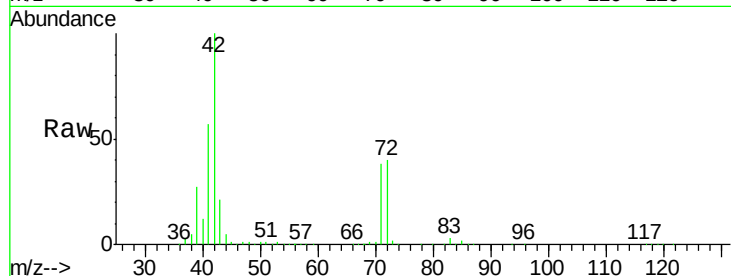
Tot Ion: 42 Resp: 359486

Ion Ratio Lower Upper

42 100

72 41.6 32.0 48.0

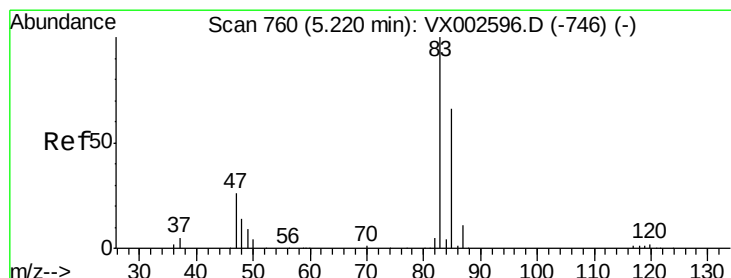
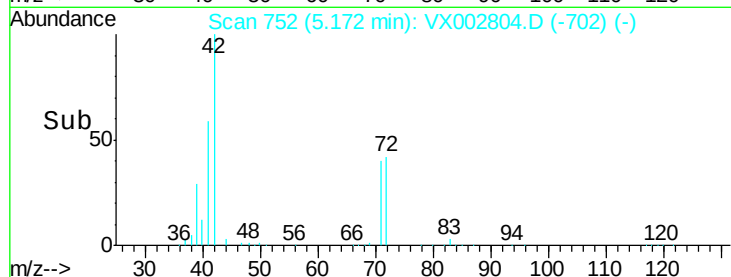
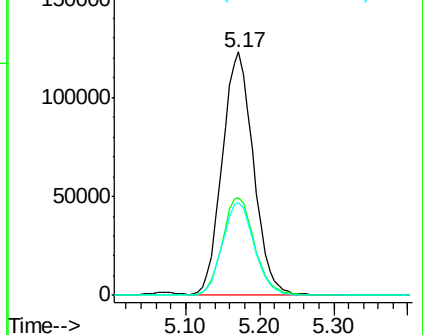
71 38.8 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 52.10 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002804.D

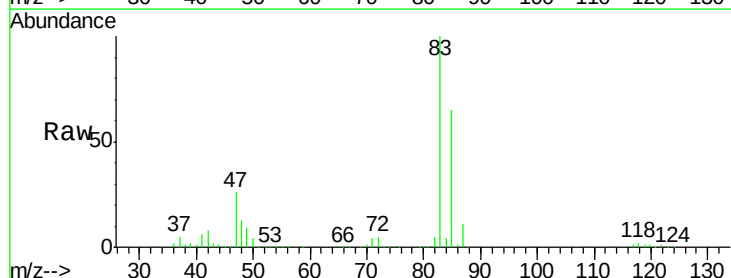
Acq: 21 Jun 2018 22:41

Tgt Ion: 83 Resp: 261589

Ion Ratio Lower Upper

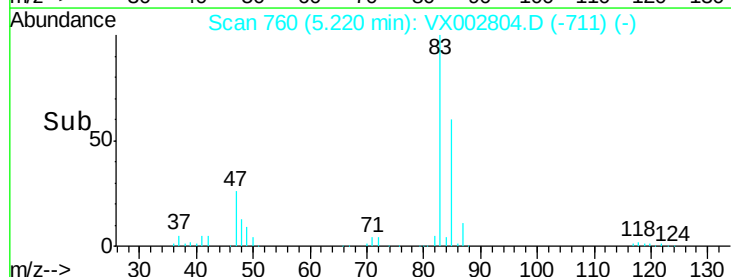
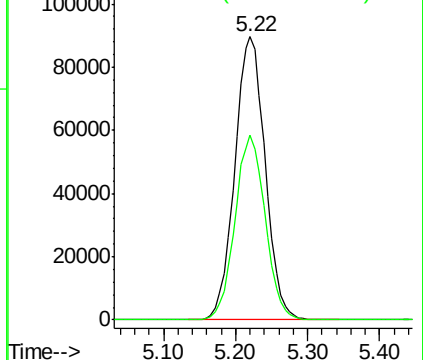
83 100

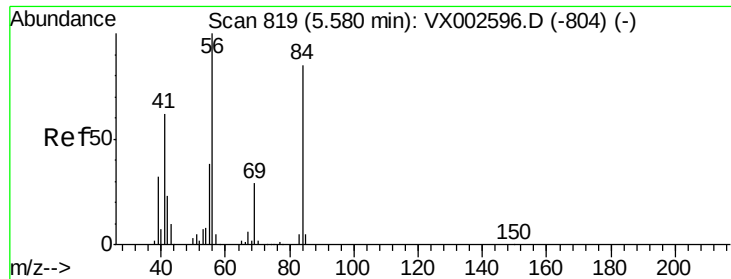
85 65.4 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

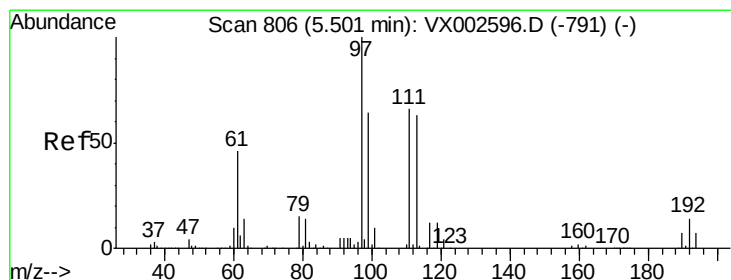
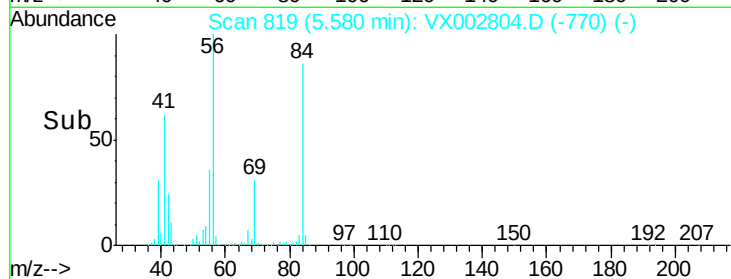
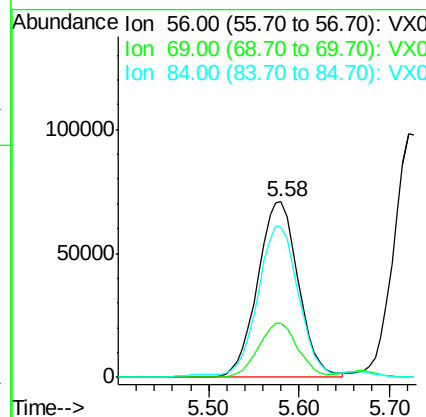
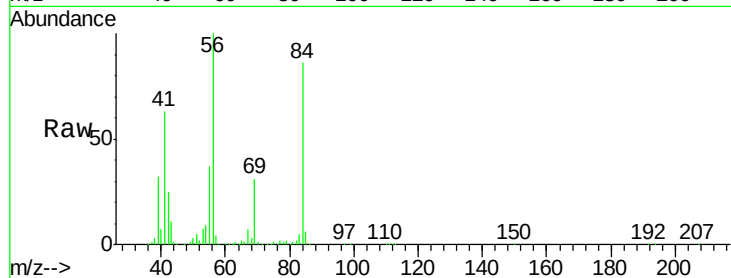




#31
Cyclohexane
Concen: 51.30 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

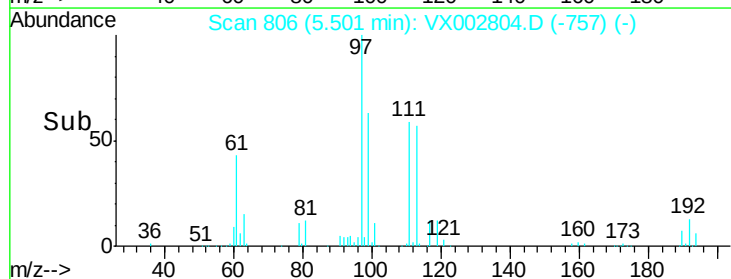
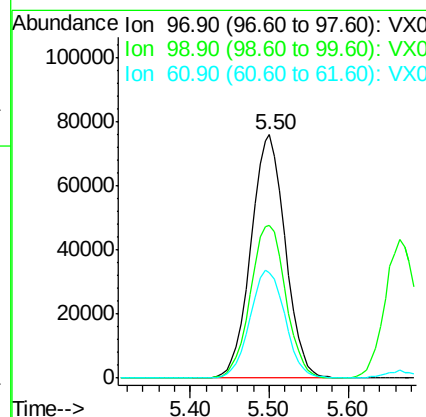
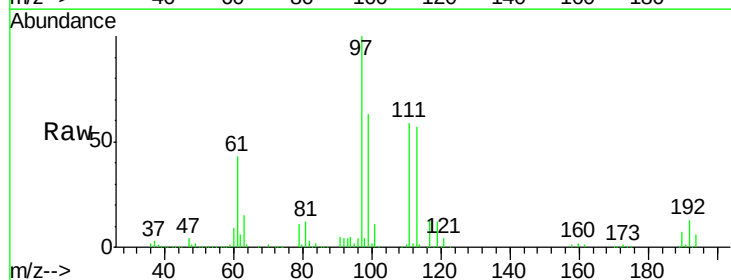
Instrument :
MSVOA_X
ClientSampled :

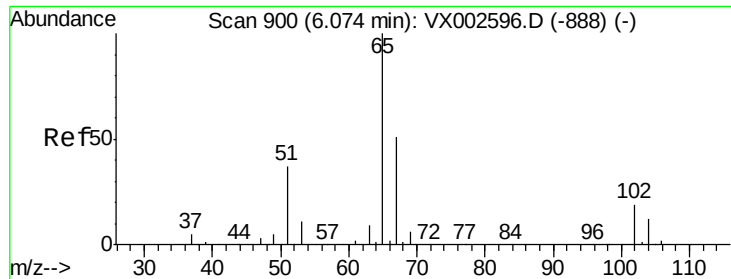
Tot Ion: 56 Resp: 219900
Ion Ratio Lower Upper
56 100
69 30.9 23.7 35.5
84 84.5 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 54.81 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 97 Resp: 230135
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 45.4 36.4 54.6

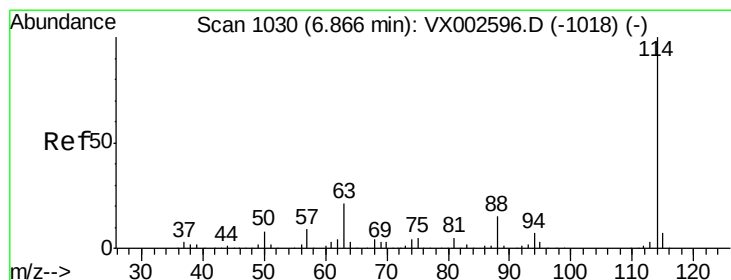
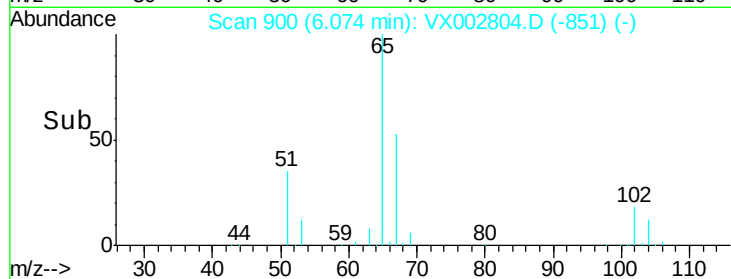
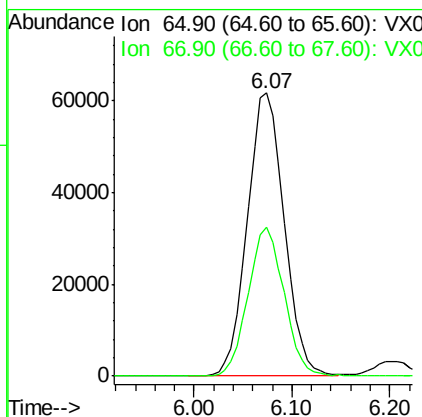
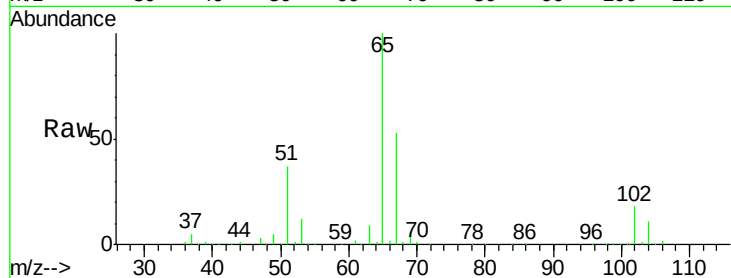




#33
 1,2-Dichloroethane-d4
 Concen: 44.44 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

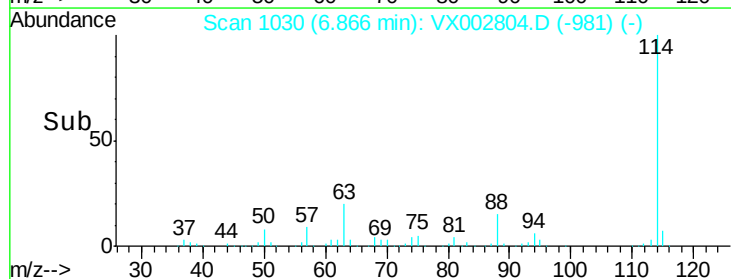
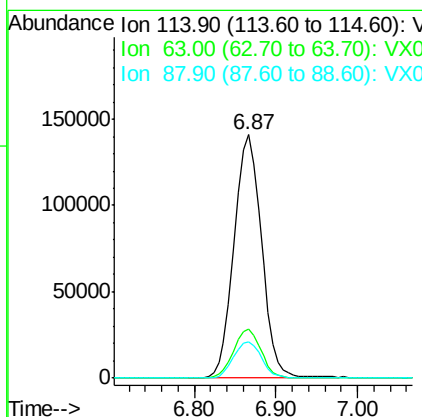
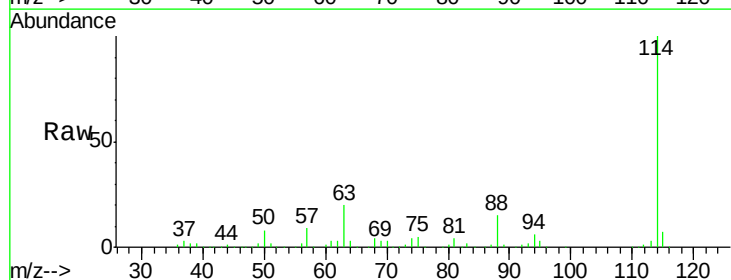
Instrument :
 MSVOA_X
 ClientSampleId :

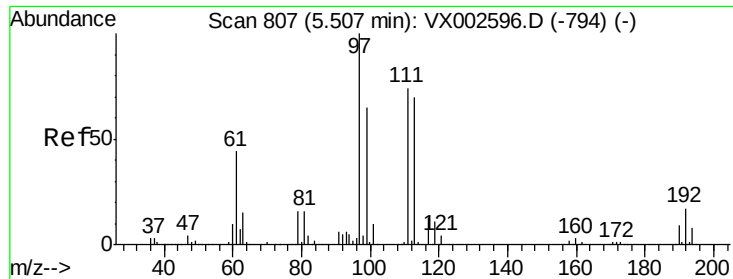
Tot Ion: 65 Resp: 161371
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion: 114 Resp: 329845
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.7 0.0 30.0

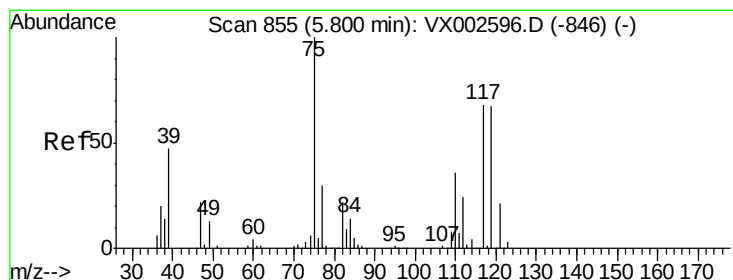
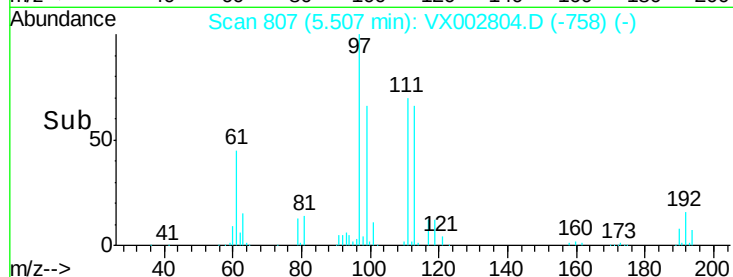
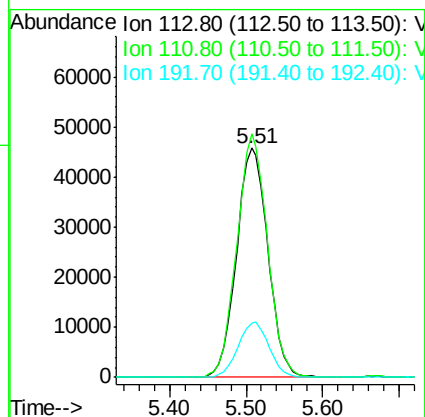
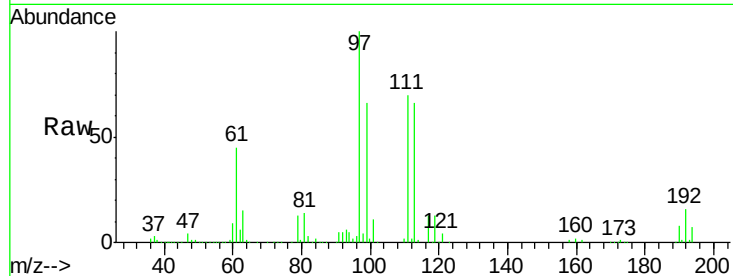




#35
 Dibromofluoromethane
 Concen: 49.56 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

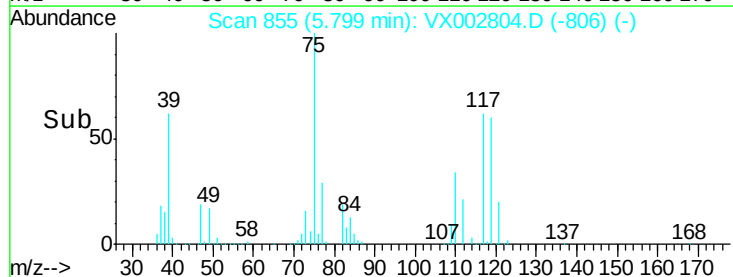
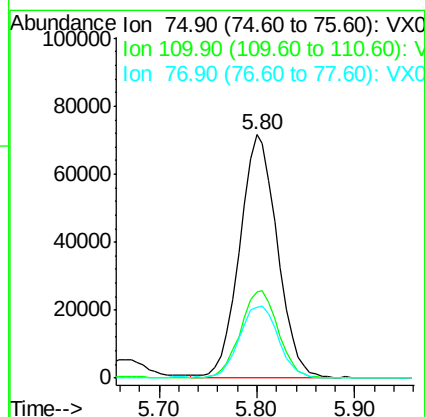
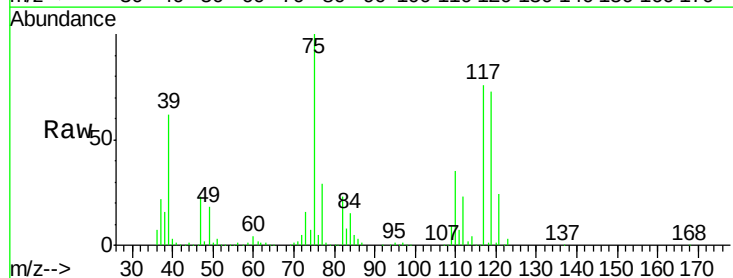
Instrument :
 MSVOA_X
 ClientSampled :

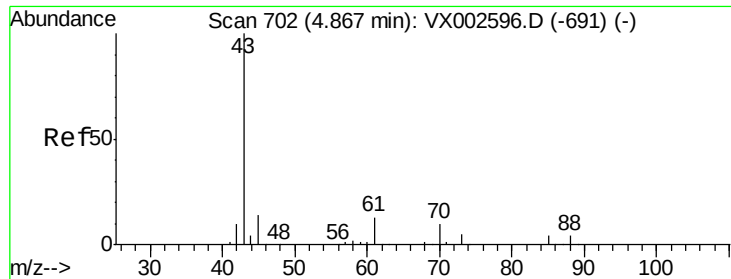
Tot Ion:113 Resp: 130454
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.0
 192 23.9 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 54.17 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion: 75 Resp: 189771
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.4
 77 30.9 24.3 36.5

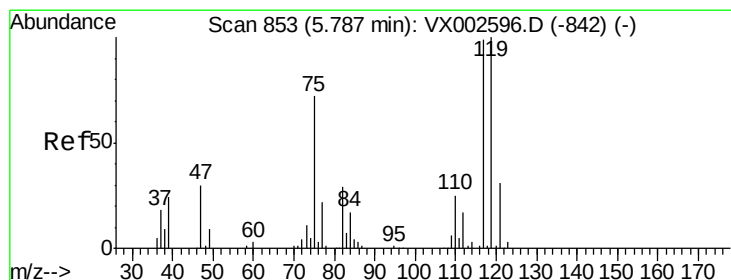
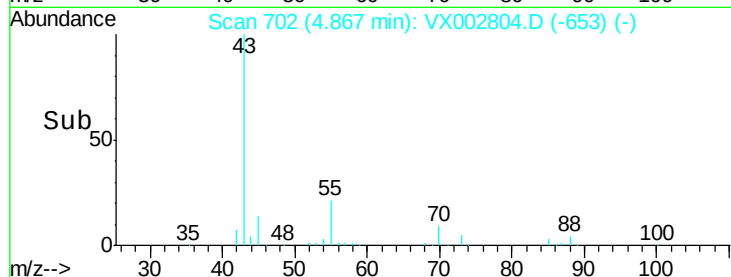
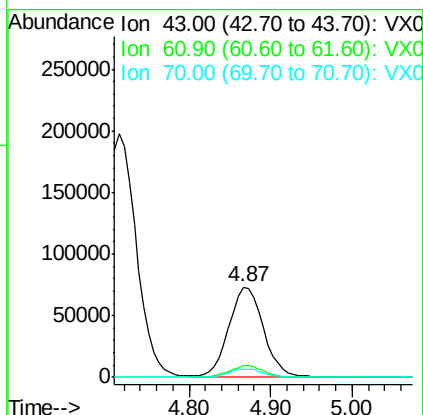
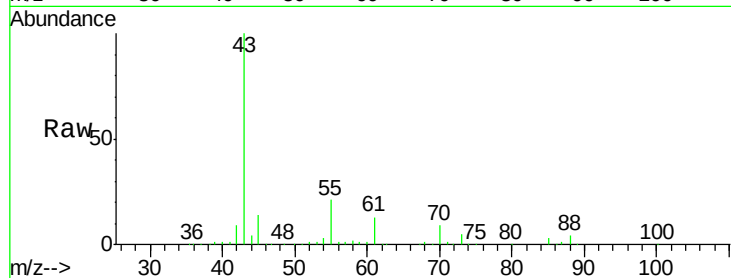




#37
Ethyl Acetate
Concen: 53.84 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

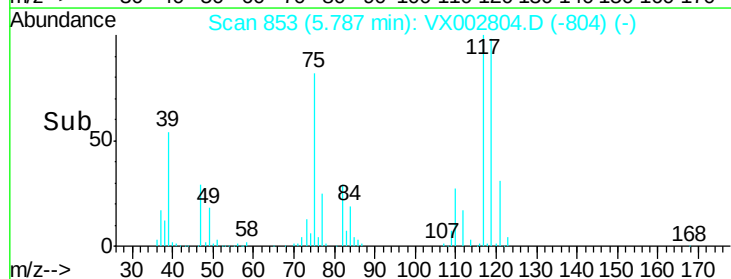
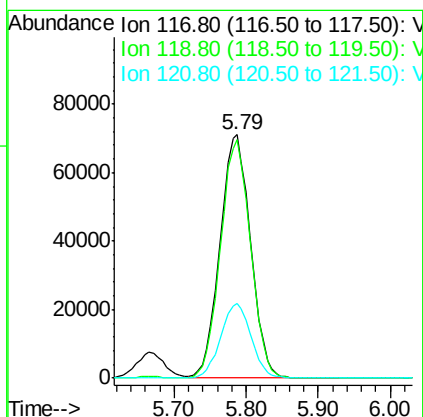
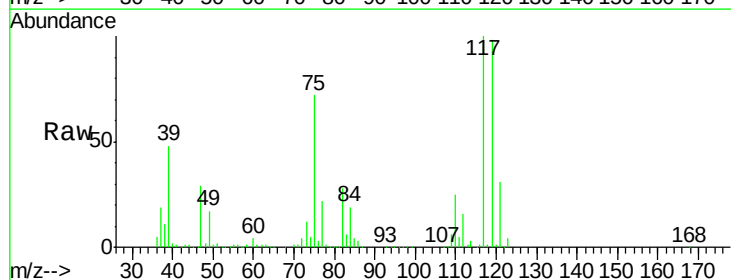
Instrument :
MSVOA_X
ClientSampled :

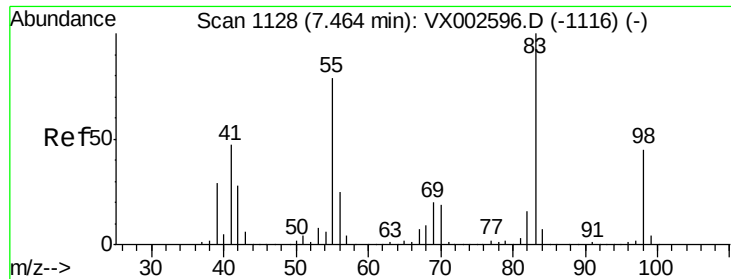
Tot Ion	43	Resp	213485
Ion Ratio	Lower	Upper	
43	100		
61	13.3	10.4	15.6
70	9.6	7.6	11.4



#38
Carbon Tetrachloride
Concen: 60.12 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion	117	Resp	209705
Ion Ratio	Lower	Upper	
117	100		
119	97.8	77.4	116.0
121	30.6	24.4	36.6

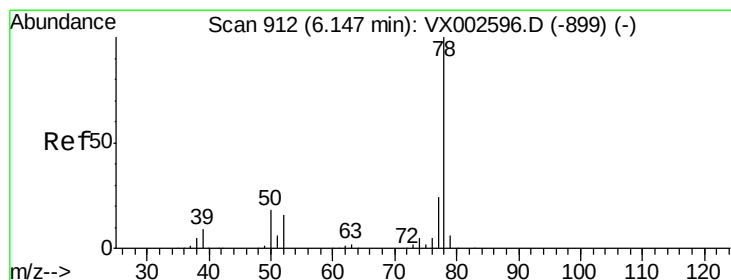
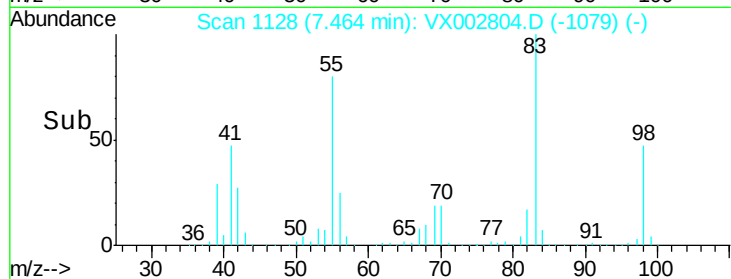
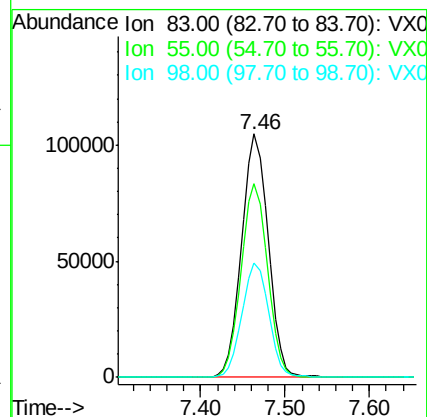
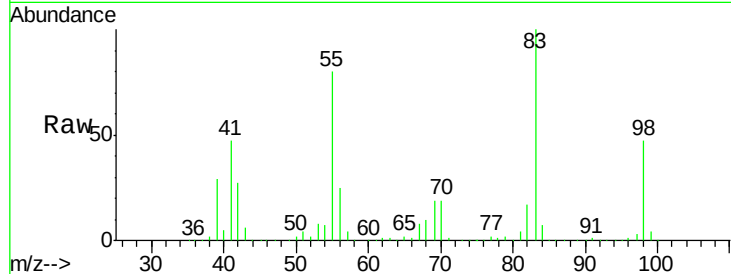




#39
Methylvlcyclohexane
Concen: 54.51 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

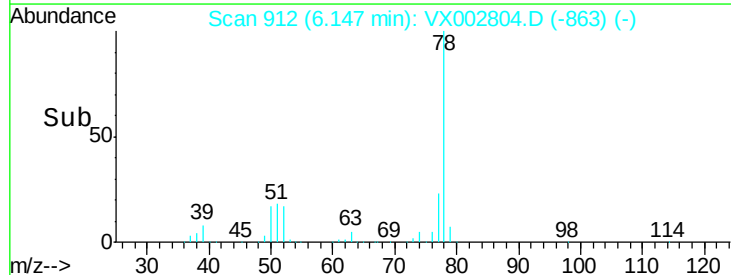
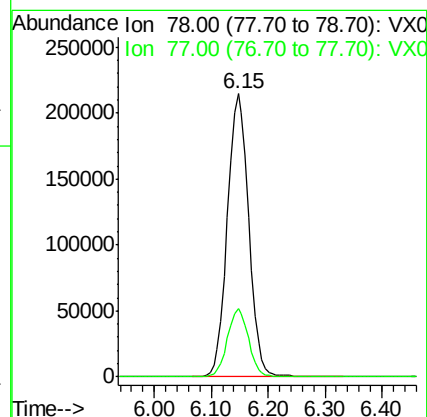
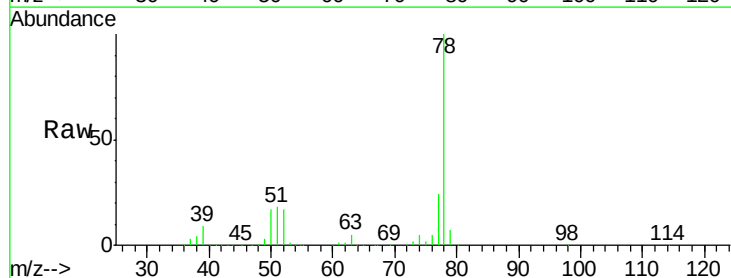
Instrument :
MSVOA_X
ClientSampled :

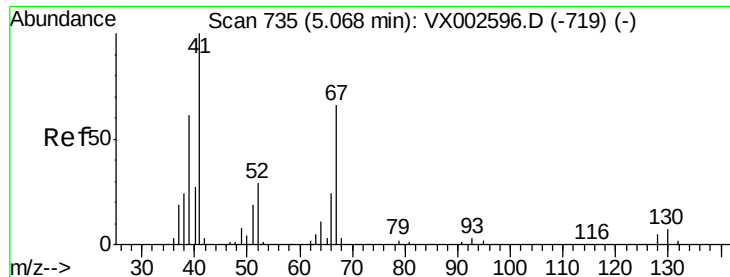
Tot Ion: 83 Resp: 223223
Ion Ratio Lower Upper
83 100
55 79.5 65.4 98.0
98 46.7 37.4 56.0



#40
Benzene
Concen: 53.47 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 78 Resp: 561683
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

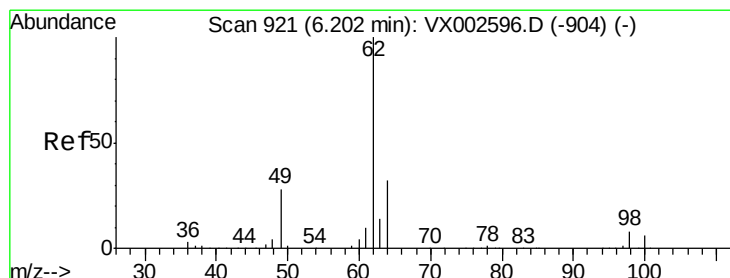
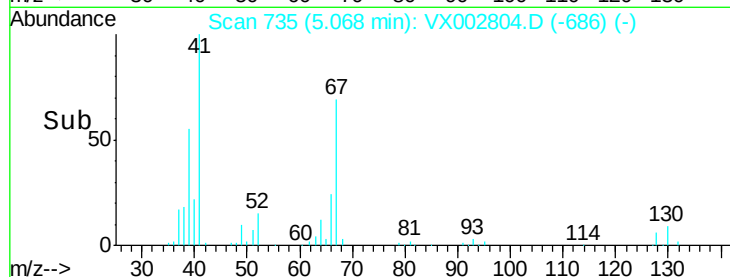
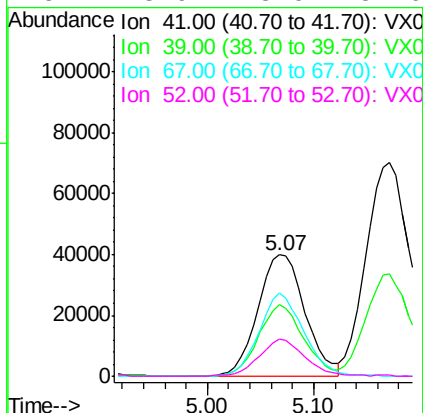
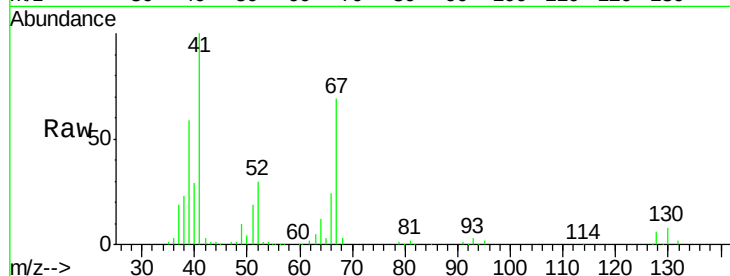




#41
Methacrylonitrile
Concen: 54.96 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

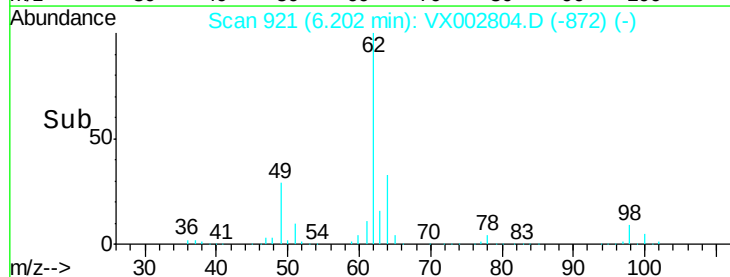
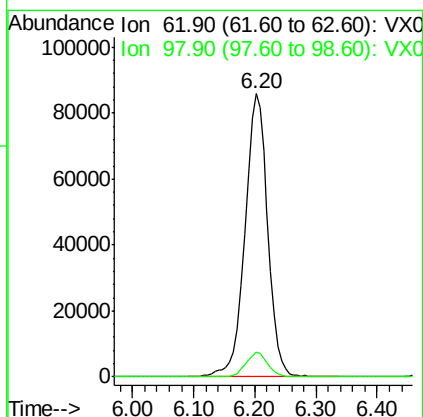
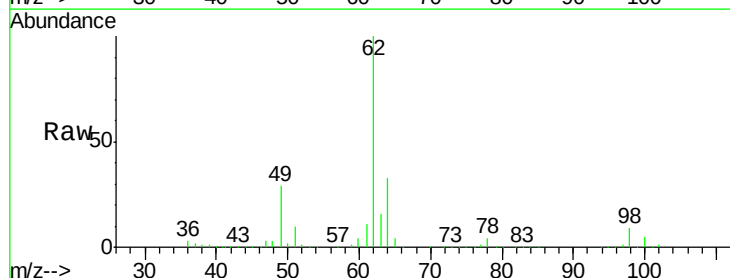
Instrument :
MSVOA_X
ClientSampleId :

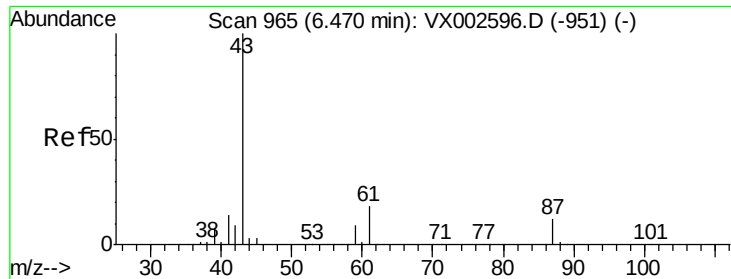
Tot Ion:	41	Resp:	123034
Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.8	68.6
67	64.8	51.3	76.9
52	28.9	23.0	34.6



#42
1,2-Dichloroethane
Concen: 54.59 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion:	62	Resp:	222019
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 52.91 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

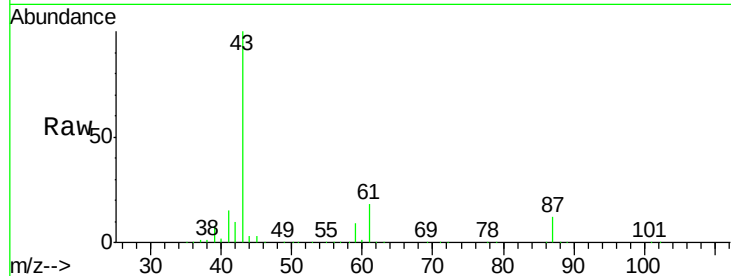
Tot Ion: 43 Resp: 347605

Ion Ratio Lower Upper

43 100

61 18.1 14.4 21.6

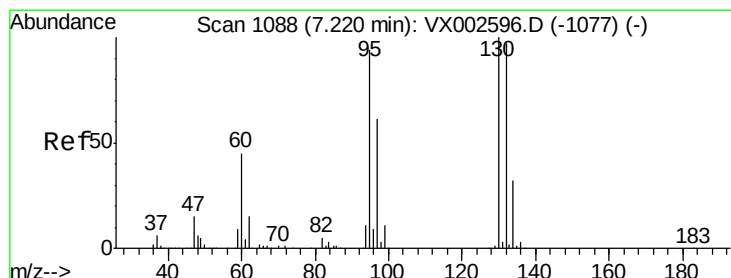
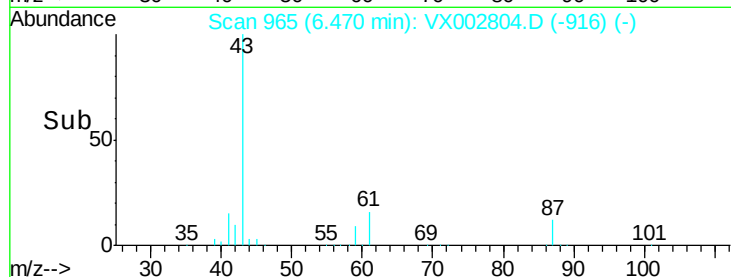
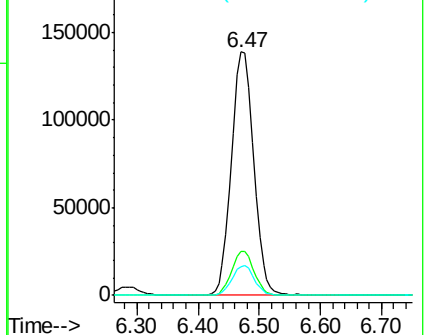
87 12.3 9.5 14.3



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: 53.76 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002804.D

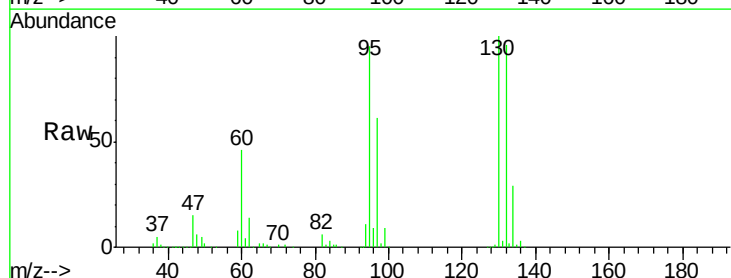
Acq: 21 Jun 2018 22:41

Tgt Ion:130 Resp: 162989

Ion Ratio Lower Upper

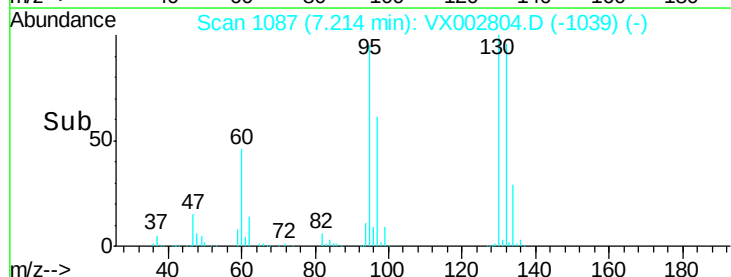
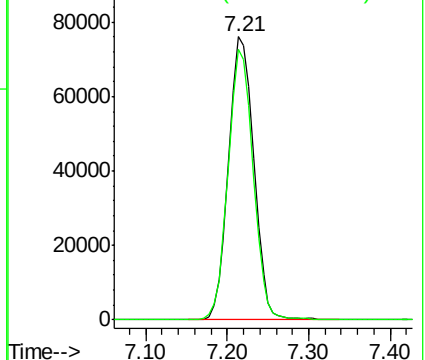
130 100

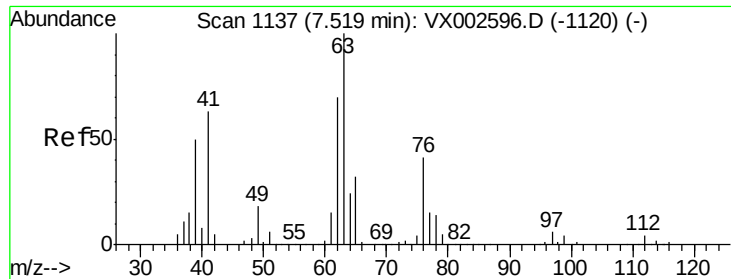
95 95.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

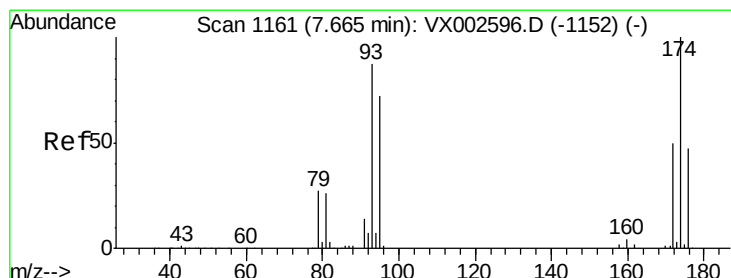
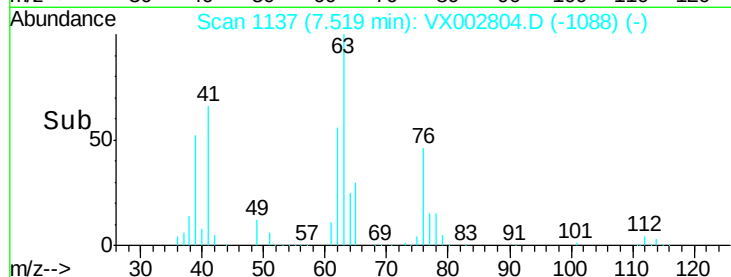
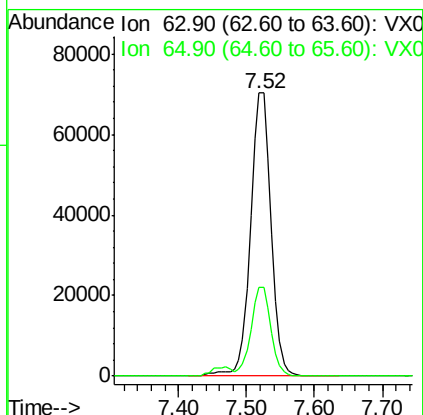
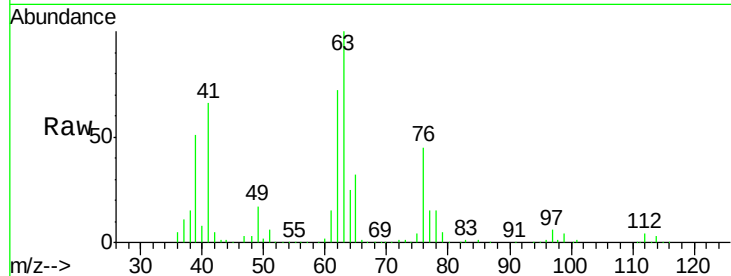




#45
 1,2-Dichloropropane
 Concen: 53.65 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

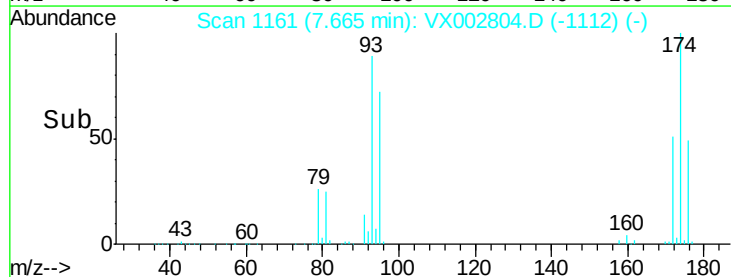
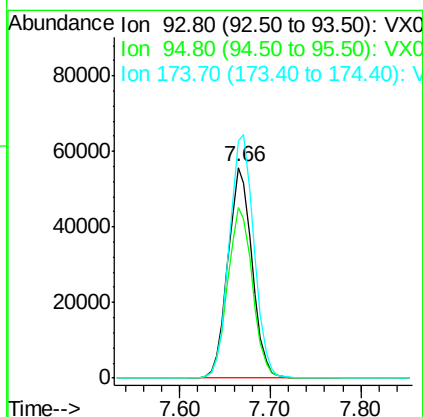
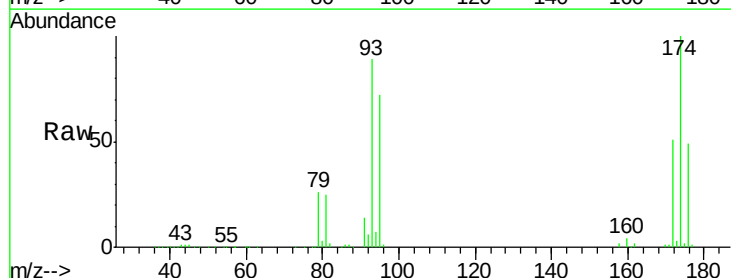
Instrument :
 MSVOA_X
 ClientSampled :

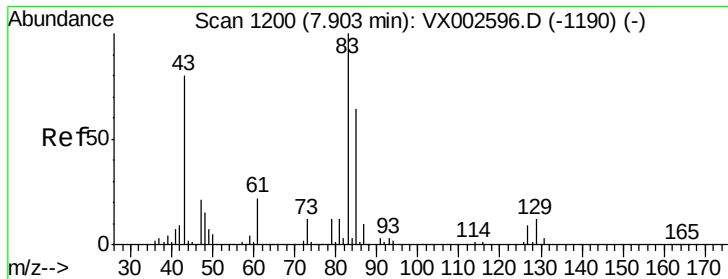
Tot Ion: 63 Resp: 148306
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1



#46
 Dibromomethane
 Concen: 55.78 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion: 93 Resp: 103151
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 118.4 92.4 138.6





#47

Bromodichloromethane

Concen: 60.06 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampled :

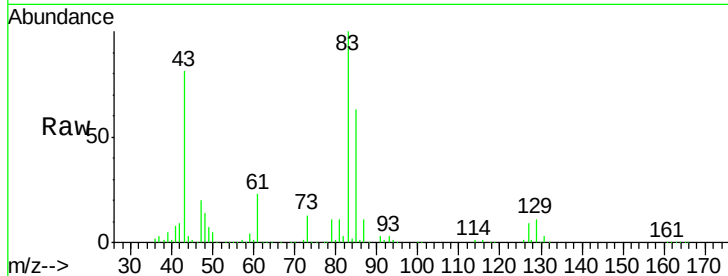
Tot Ion: 83 Resp: 195908

Ion Ratio Lower Upper

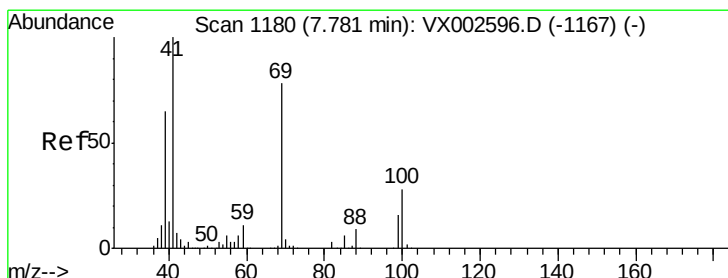
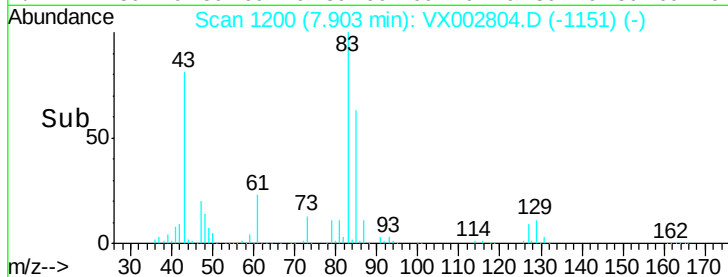
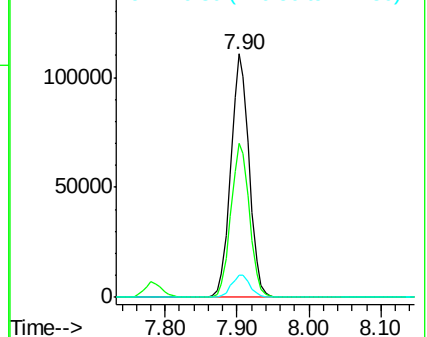
83 100

85 63.0 50.3 75.5

127 9.4 7.0 10.4



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



#48

Methyl methacrylate

Concen: 55.78 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

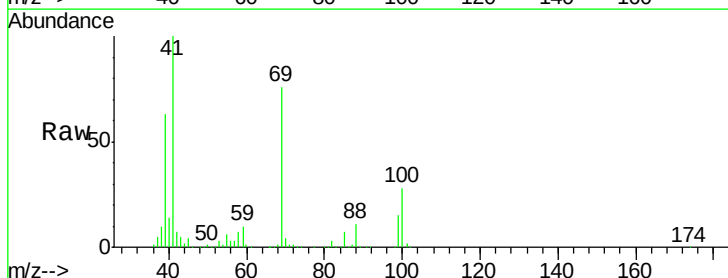
Tgt Ion: 41 Resp: 187274

Ion Ratio Lower Upper

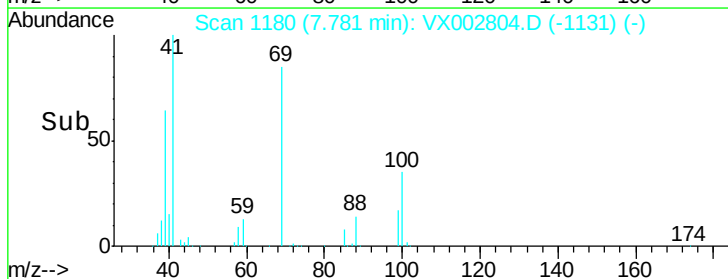
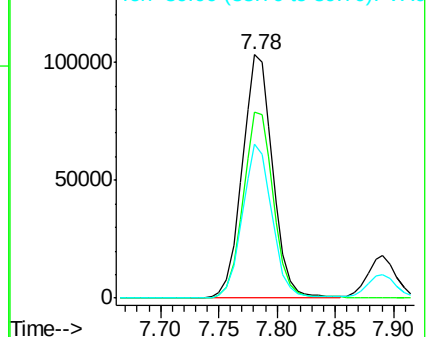
41 100

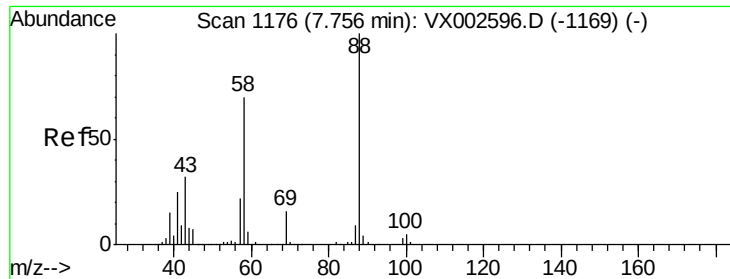
69 76.4 59.1 88.7

39 61.4 48.9 73.3



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

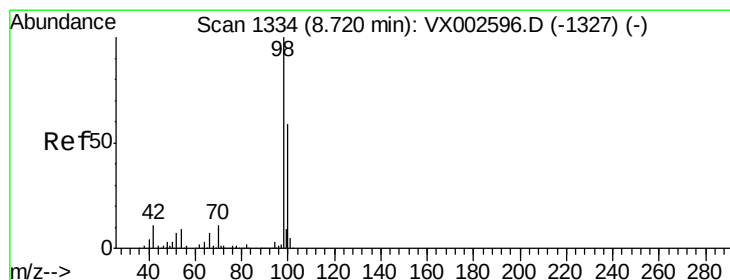
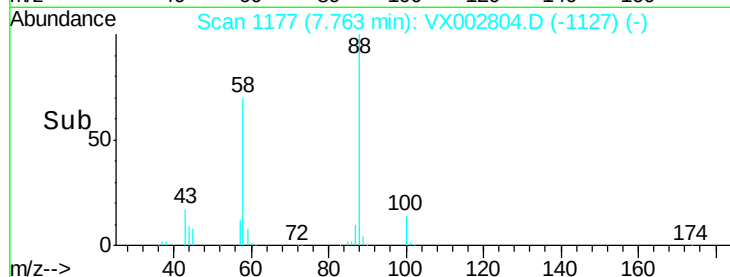
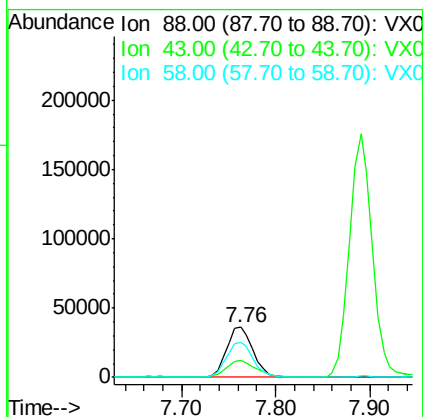
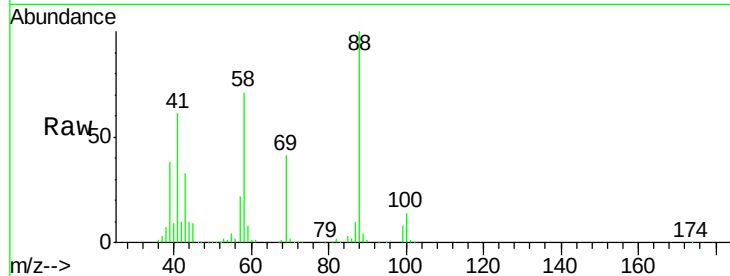




#49
1,4-Dioxane
Concen: 1106.43 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

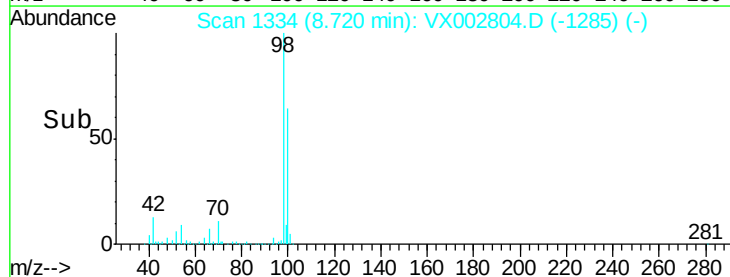
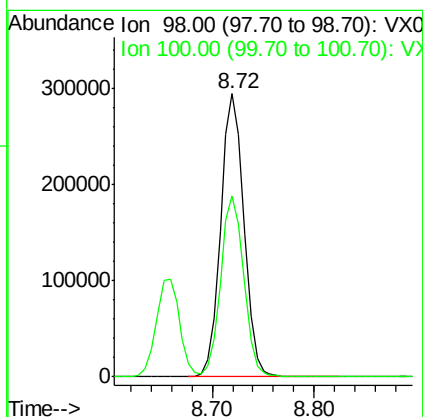
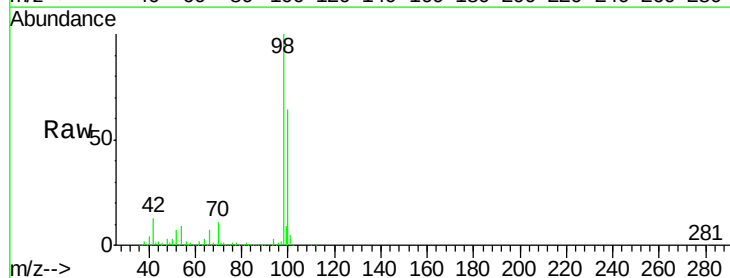
Instrument :
MSVOA_X
ClientSampleId :

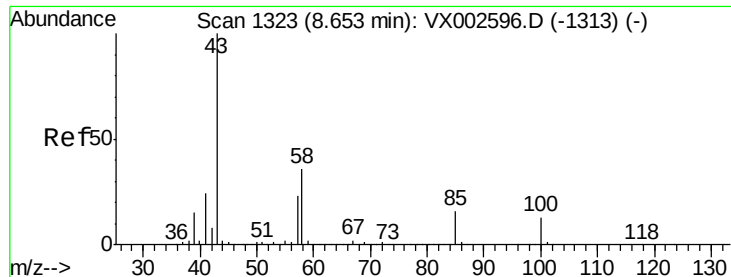
Tot Ion: 88 Resp: 70341
Ion Ratio Lower Upper
88 100
43 35.5 29.8 44.6
58 71.1 57.1 85.7



#50
Toluene-d8
Concen: 46.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 98 Resp: 466694
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 276.98 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

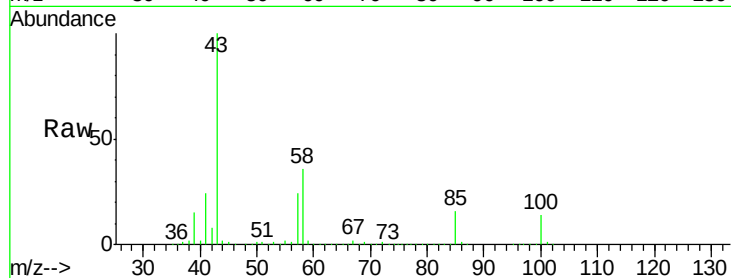
ClientSampled :

Tot Ion: 43 Resp: 1168302

Ion Ratio Lower Upper

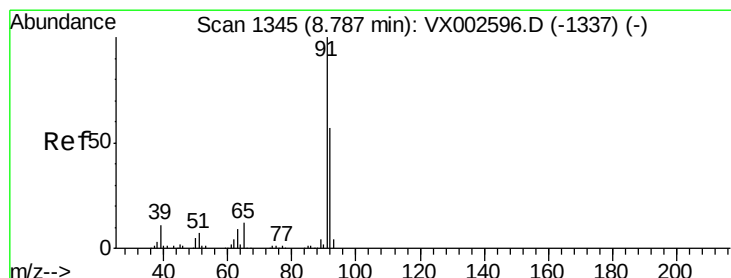
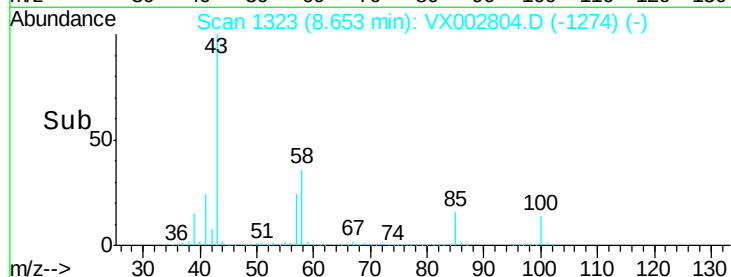
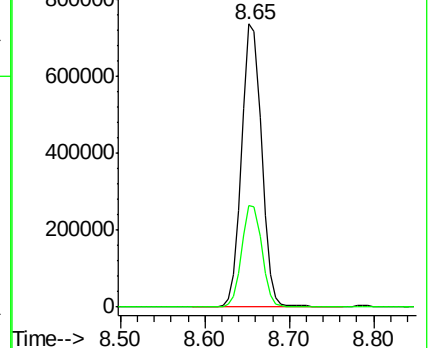
43 100

58 36.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002804.D

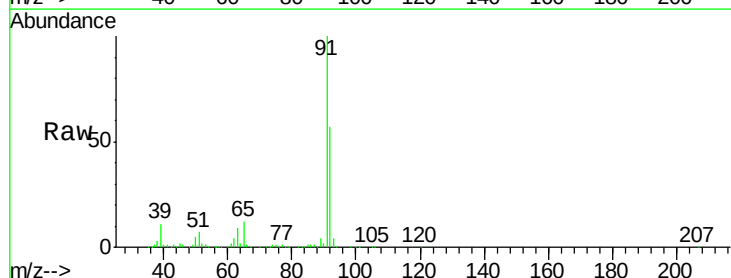
Acq: 21 Jun 2018 22:41

Tgt Ion: 92 Resp: 365756

Ion Ratio Lower Upper

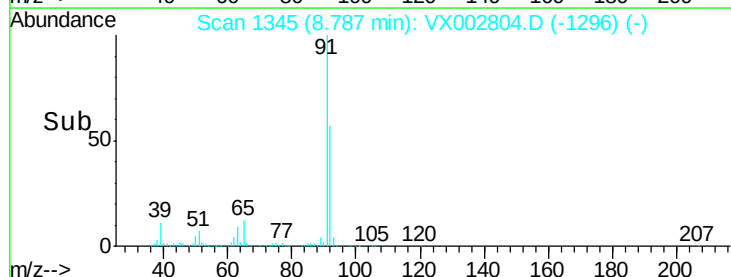
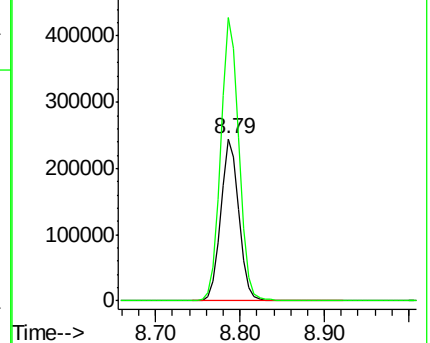
92 100

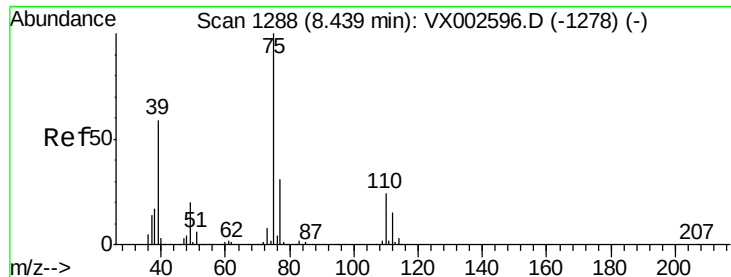
91 175.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

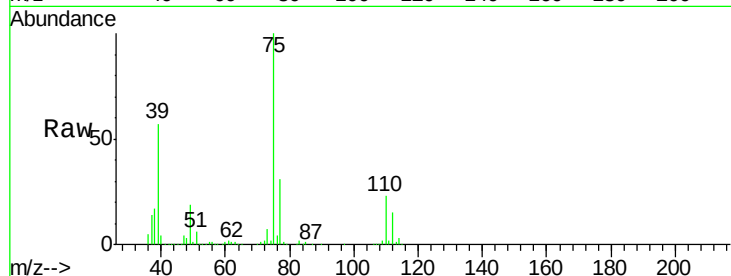
ClientSampleId :

Tot Ion: 75 Resp: 216754

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

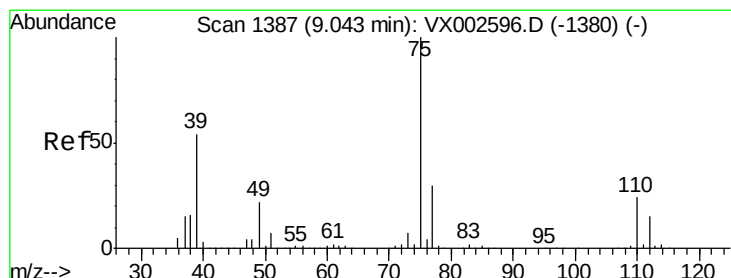
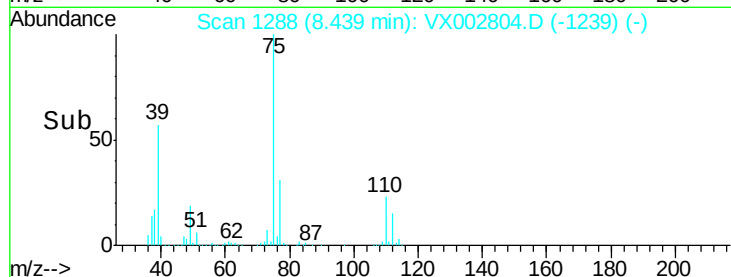
150000

100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55



#54

cis-1,3-Dichloropropene

Concen: 49.13 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

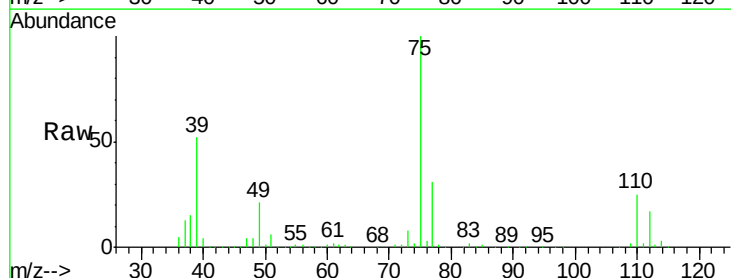
Tgt Ion: 75 Resp: 202093

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 51.4 42.4 63.6



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

9.05

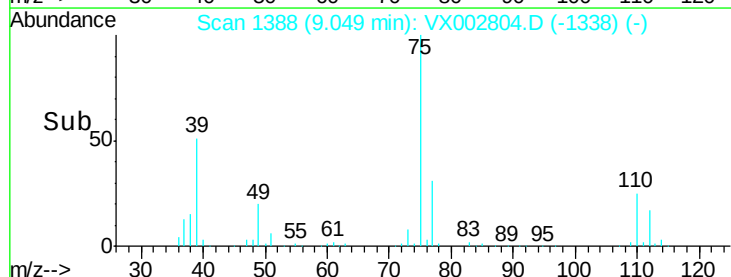
150000

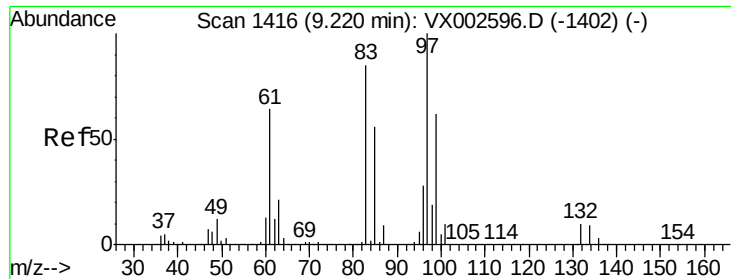
100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15

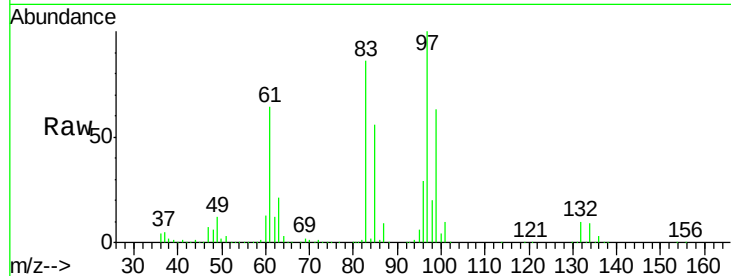




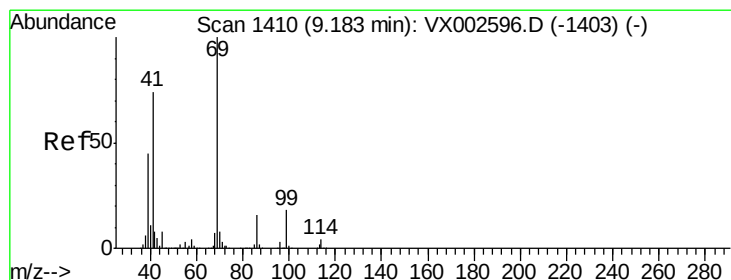
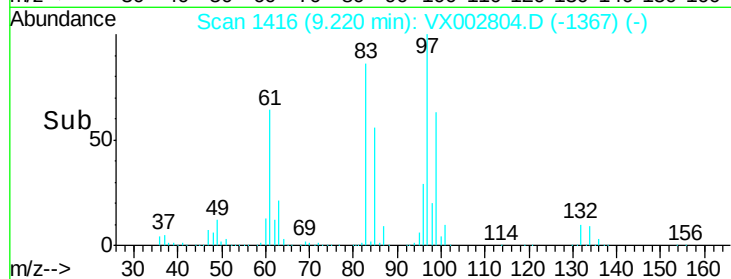
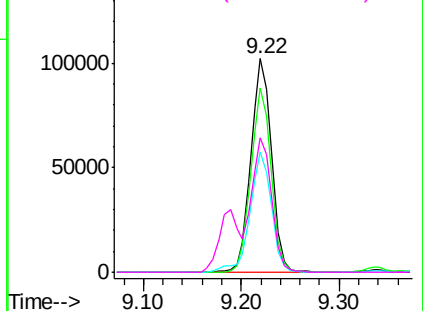
#55
 1,1,2-Trichloroethane
 Concen: 55.18 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	149395
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.2
85	56.1	44.9	67.3
99	63.0	49.8	74.8

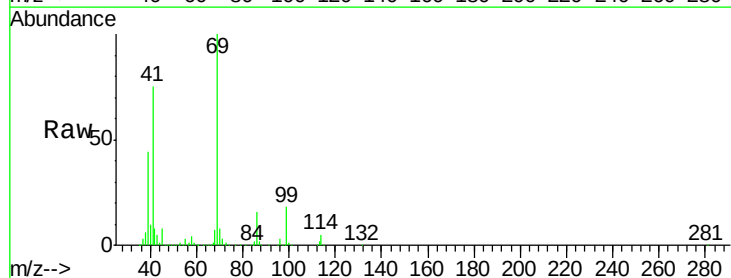


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

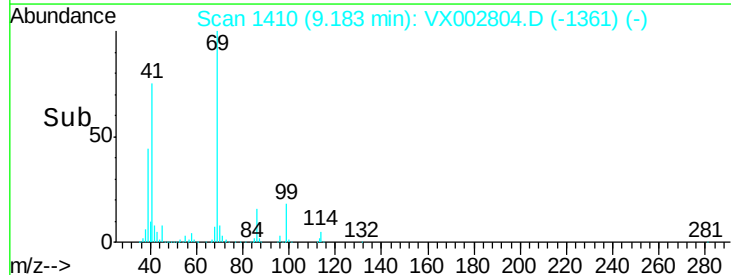
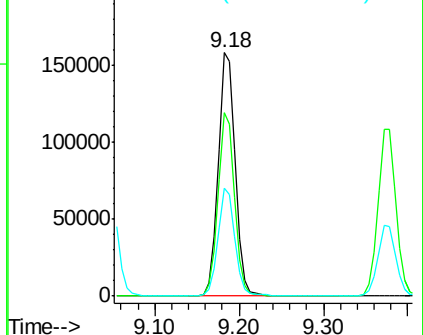


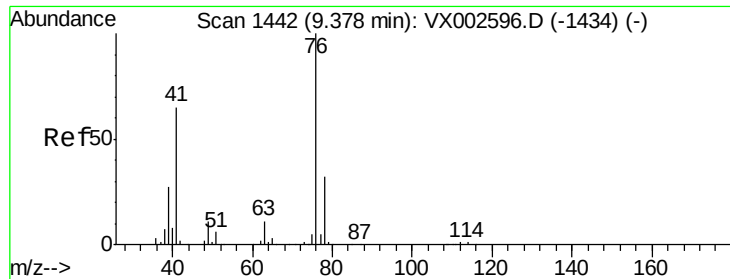
#56
 Ethyl methacrylate
 Concen: 53.32 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion:	69	Resp:	222176
Ion	Ratio	Lower	Upper
69	100		
41	73.5	60.3	90.5
39	43.9	35.8	53.8



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

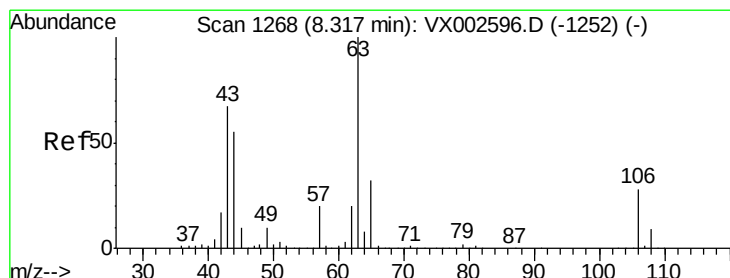
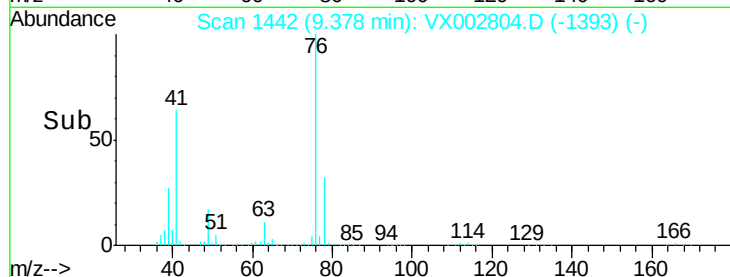
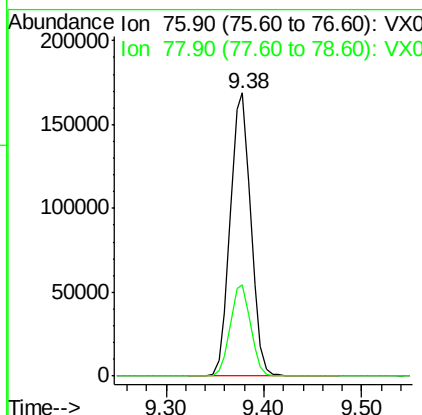
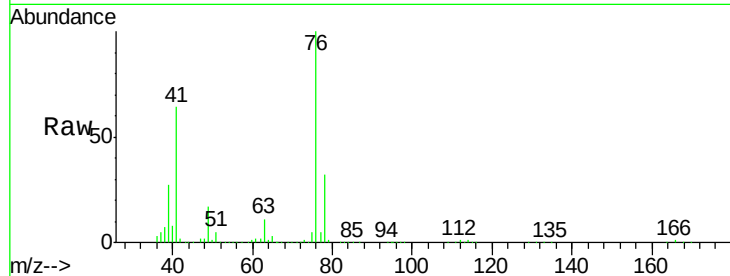




#57
 1,3-Dichloropropane
 Concen: 53.84 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

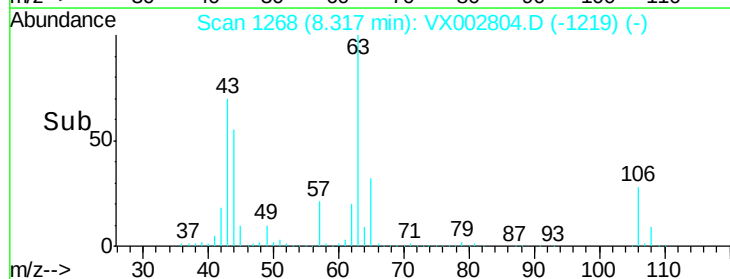
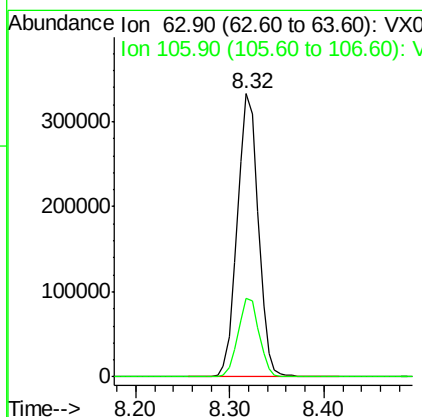
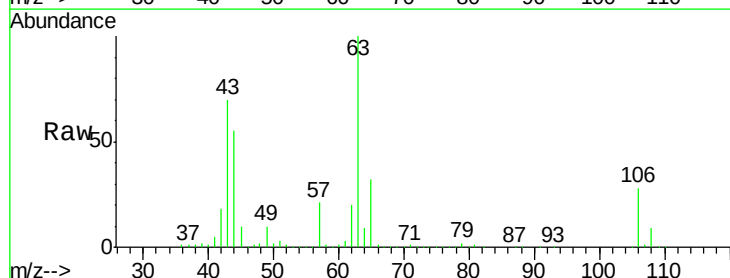
Instrument :
 MSVOA_X
 ClientSampled :

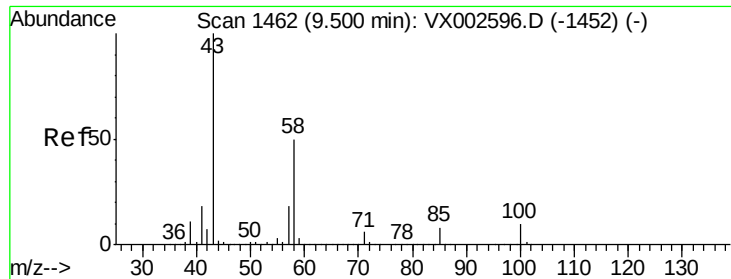
Tot Ion: 76 Resp: 246537
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.23 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion: 63 Resp: 518392
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.8 32.8

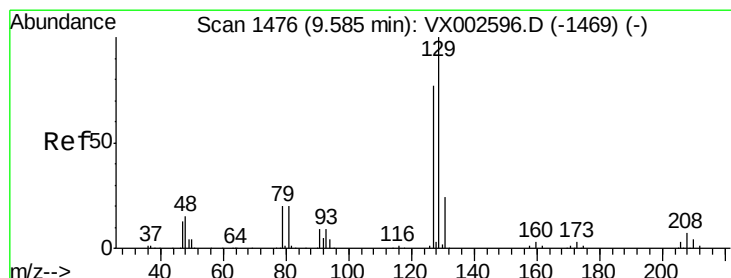
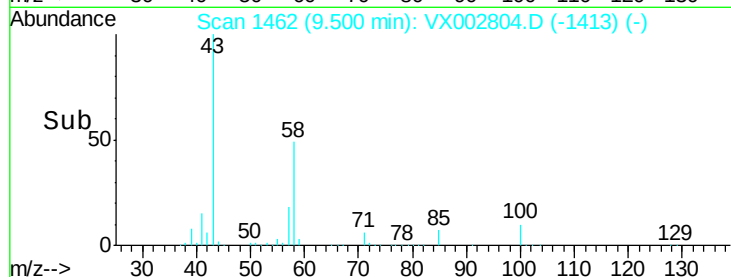
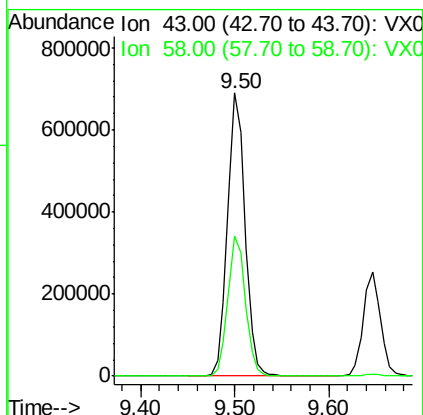
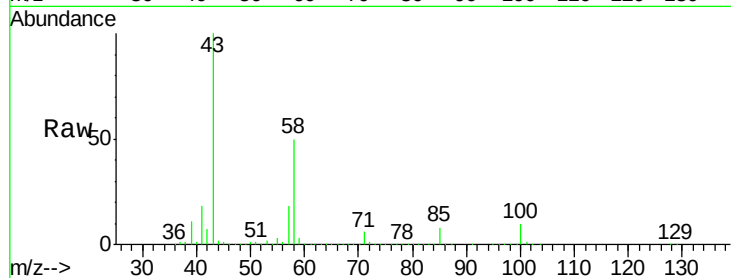




#59
2-Hexanone
Concen: 283.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

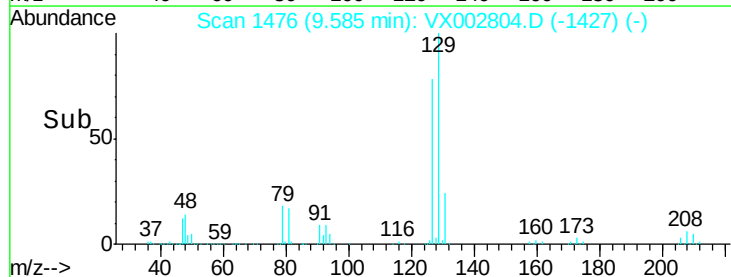
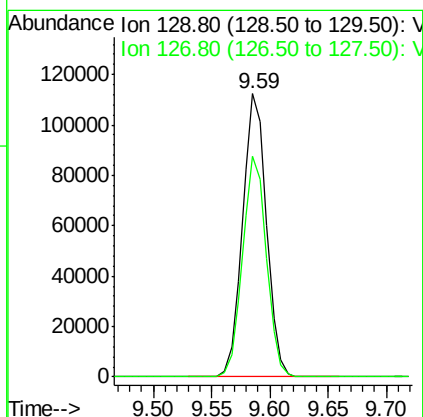
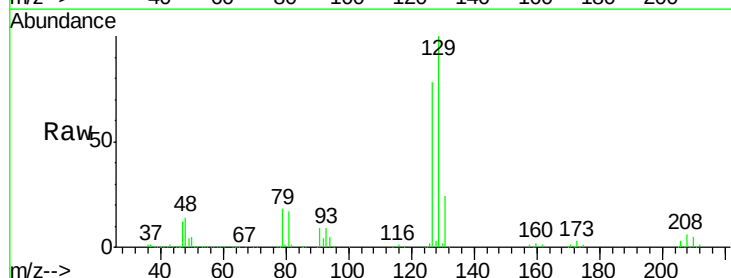
Instrument :
MSVOA_X
ClientSampleId :

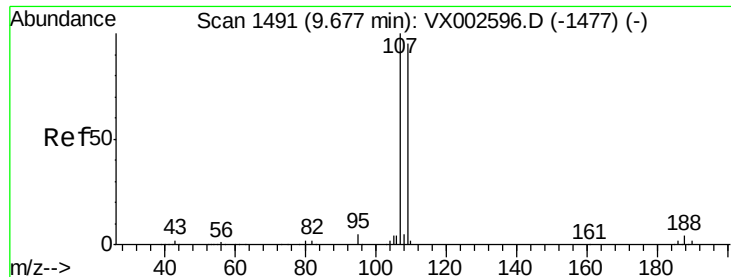
Tot Ion: 43 Resp: 902114
Ion Ratio Lower Upper
43 100
58 49.6 24.6 73.6



#60
Dibromochloromethane
Concen: 52.73 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion:129 Resp: 161283
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 57.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

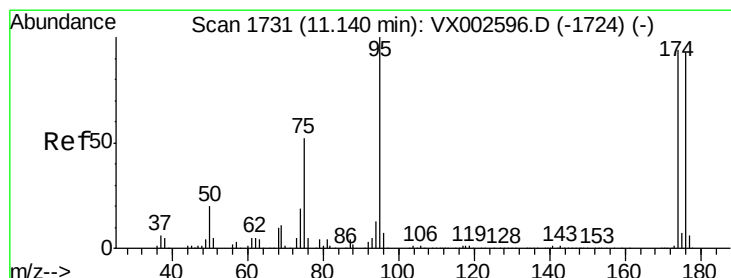
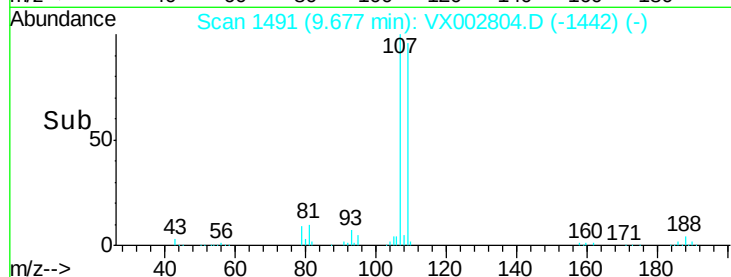
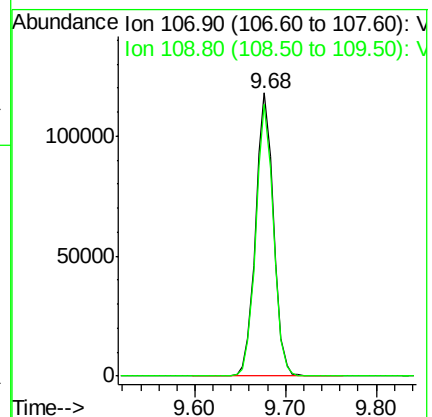
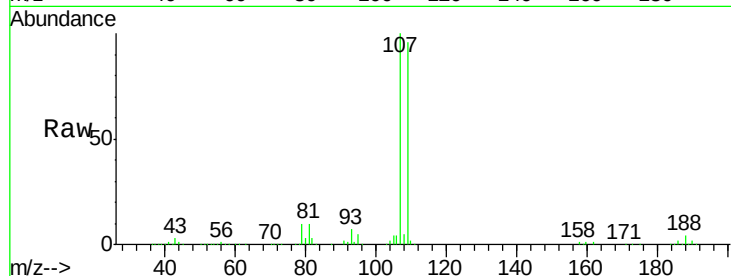
ClientSampleId :

Tot Ion:107 Resp: 160614

Ion Ratio Lower Upper

107 100

109 94.9 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 48.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

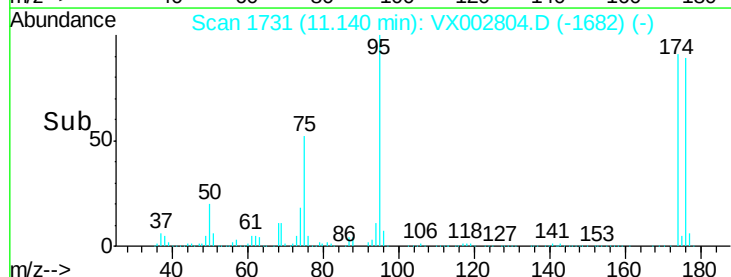
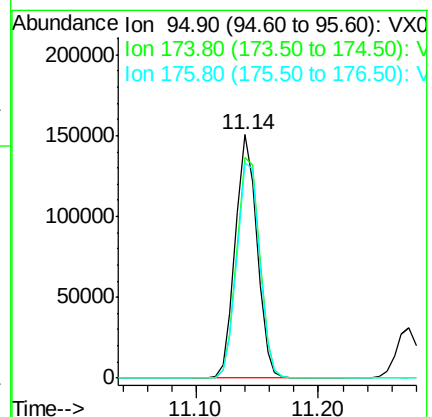
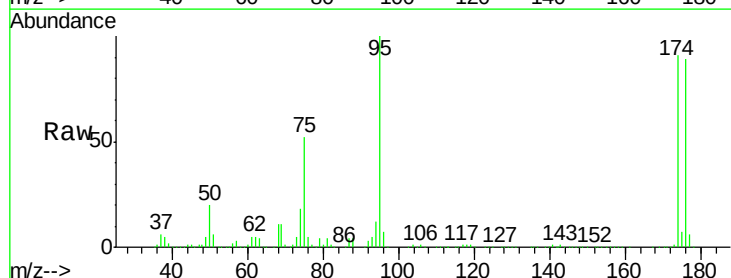
Tgt Ion: 95 Resp: 184232

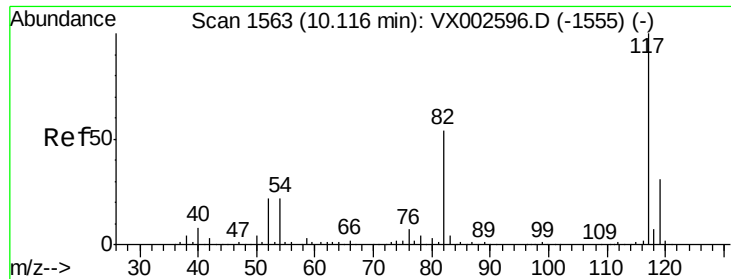
Ion Ratio Lower Upper

95 100

174 96.6 0.0 187.4

176 93.4 0.0 181.0

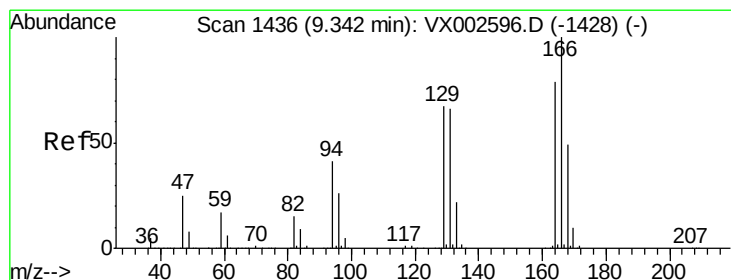
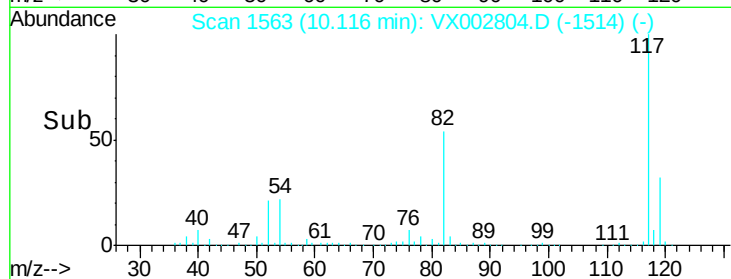
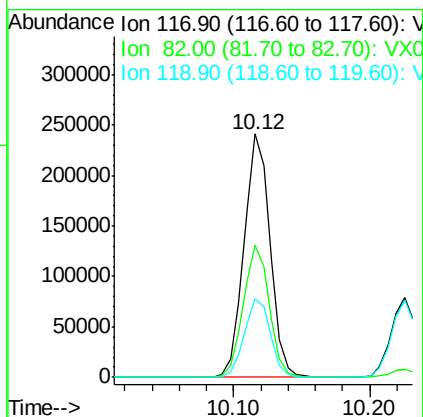
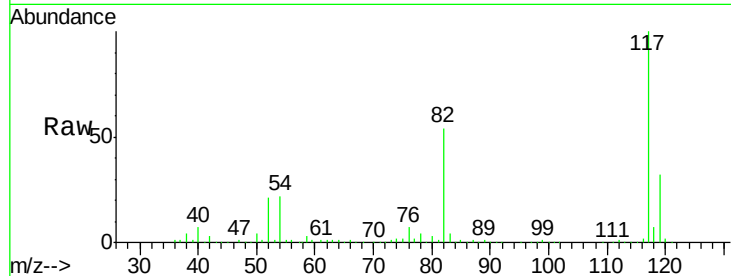




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

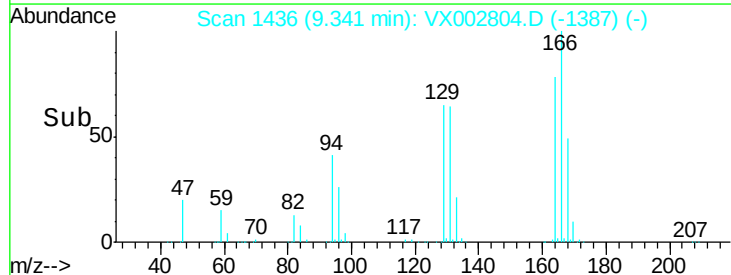
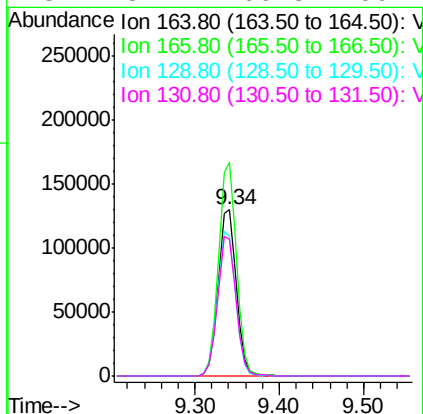
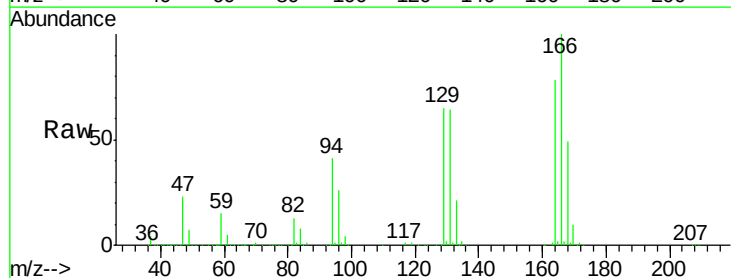
Instrument :
MSVOA_X
ClientSampleId :

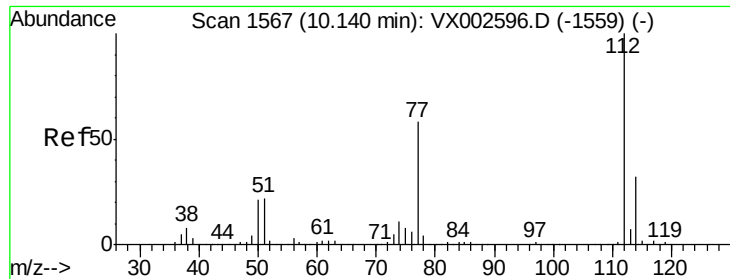
Tot Ion:117 Resp: 322146
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 54.42 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion:164 Resp: 194602
Ion Ratio Lower Upper
164 100
166 128.7 102.9 154.3
129 83.9 68.6 102.8
131 82.4 66.8 100.2

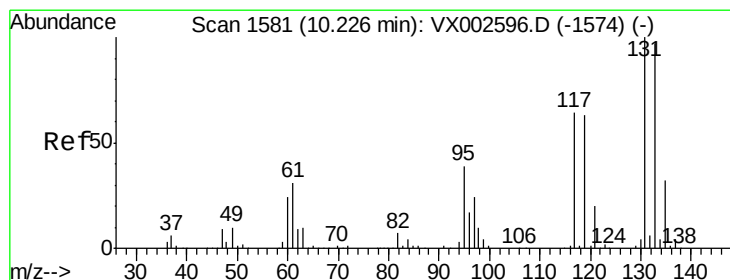
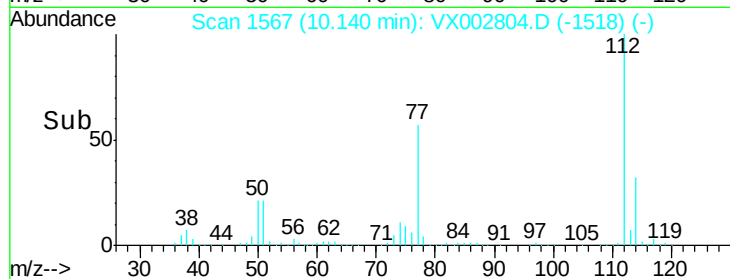
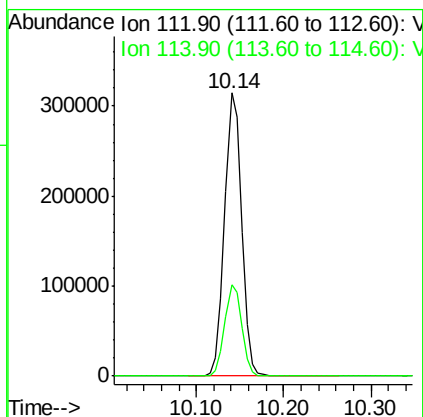
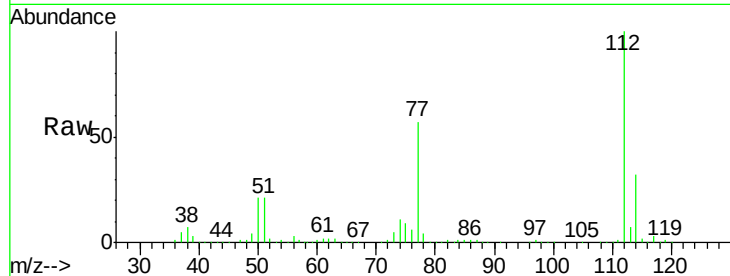




#65
Chlorobenzene
Concen: 53.58 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

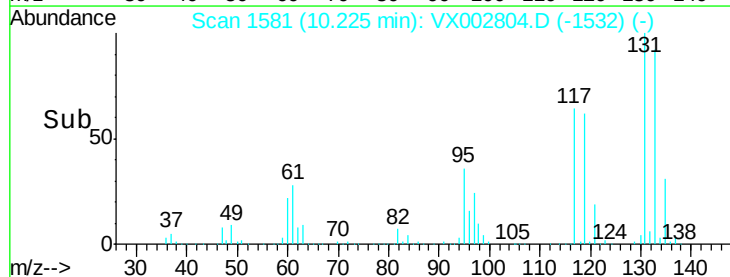
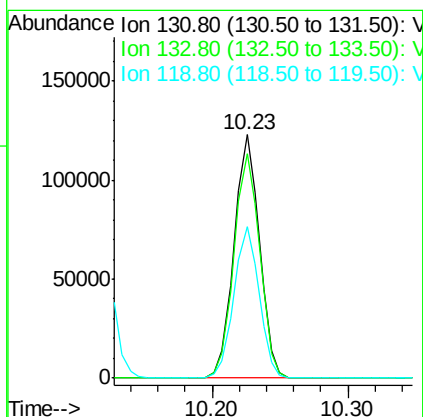
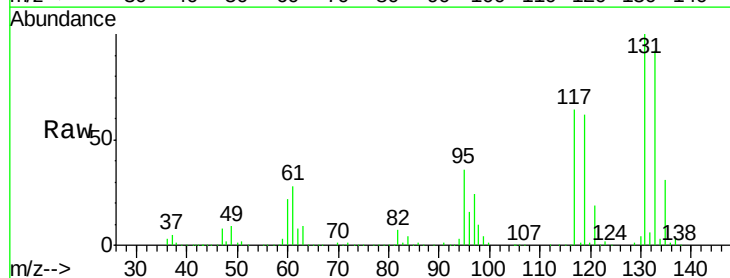
Instrument :
MSVOA_X
ClientSampleId :

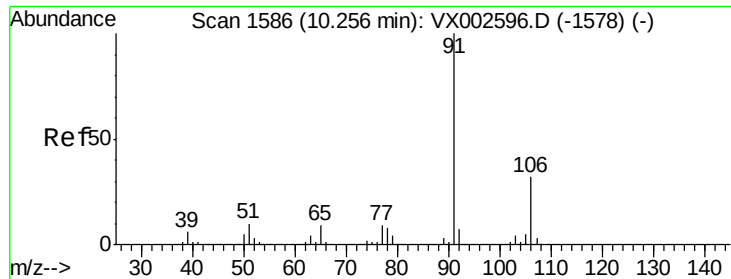
Tot Ion:112 Resp: 423901
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 59.28 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion:131 Resp: 159893
Ion Ratio Lower Upper
131 100
133 93.8 47.9 143.6
119 62.1 31.8 95.3

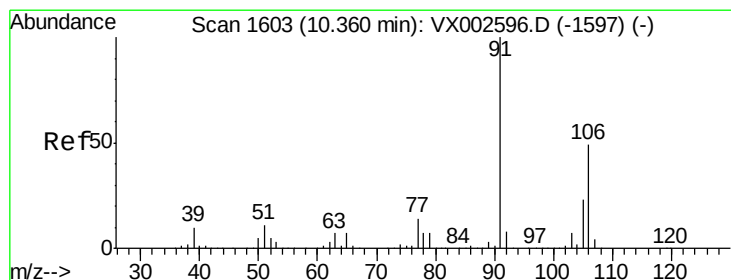
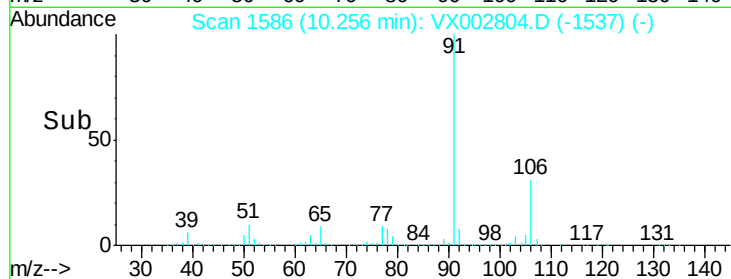
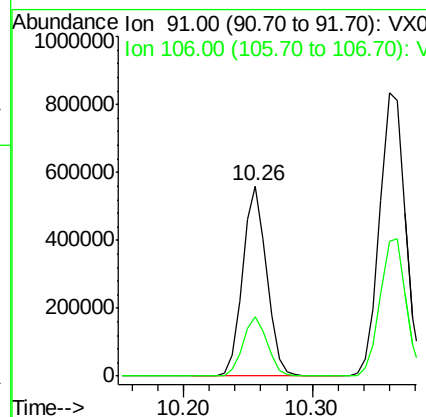
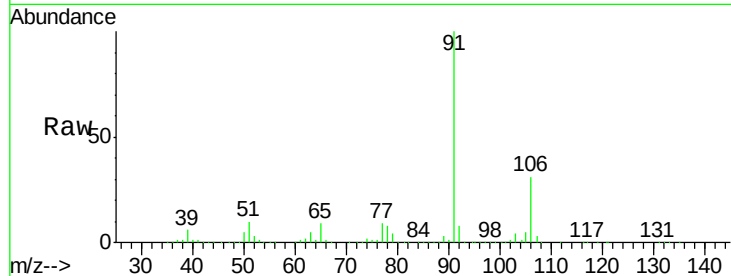




#67
Ethyl Benzene
Concen: 54.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

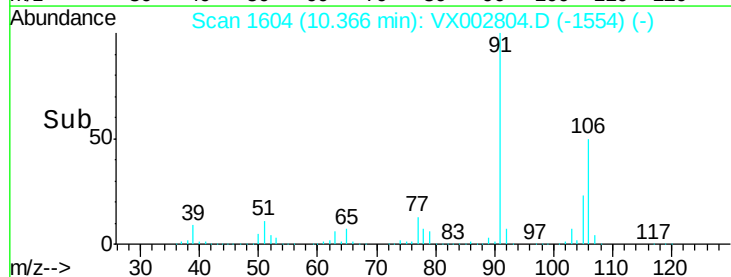
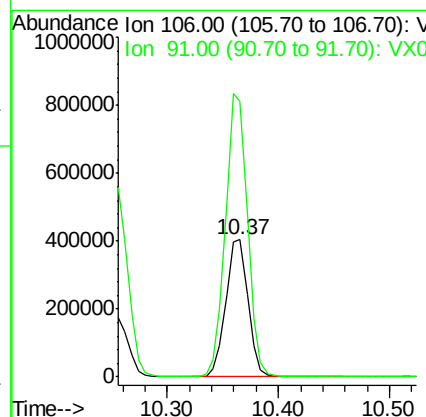
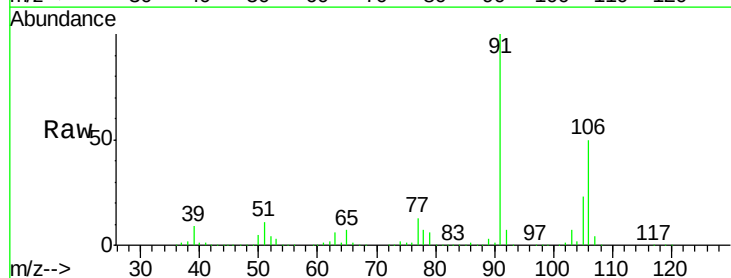
Instrument :
MSVOA_X
ClientSampled :

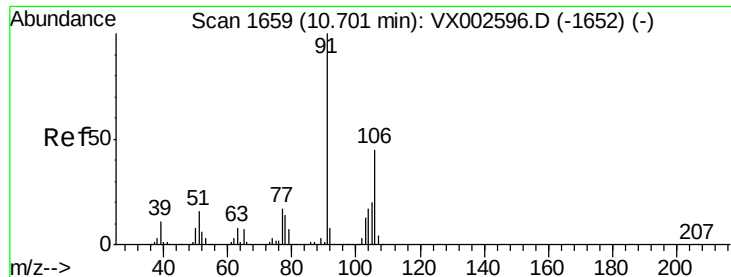
Tot Ion: 91 Resp: 723226
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 109.12 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 106 Resp: 561707
Ion Ratio Lower Upper
106 100
91 204.3 163.4 245.2

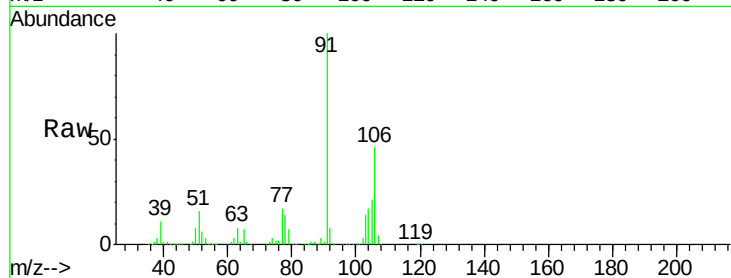




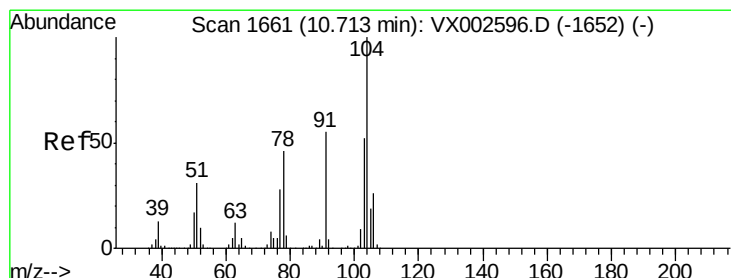
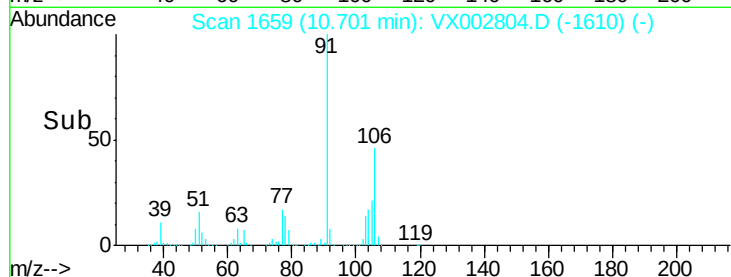
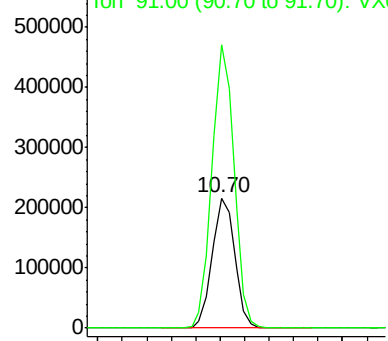
#69
o-Xylene
Concen: 54.31 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 274643
Ion Ratio Lower Upper
106 100
91 214.2 108.2 324.6

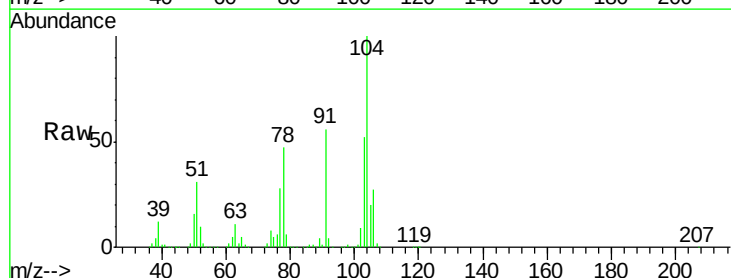


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

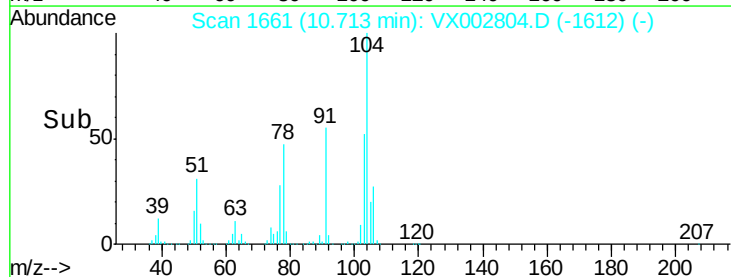
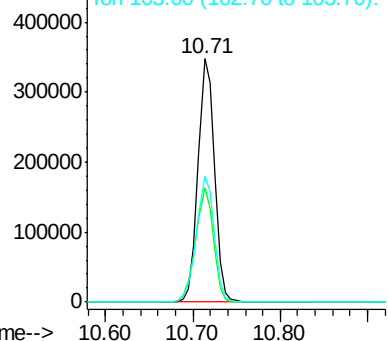


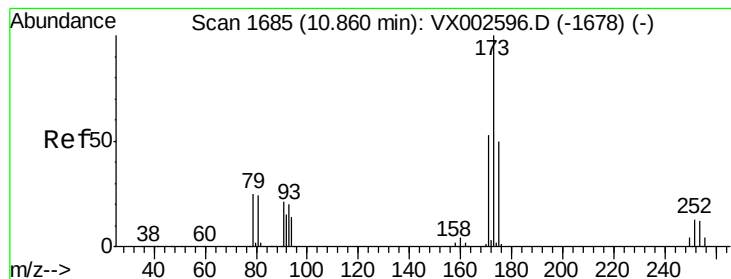
#70
Styrene
Concen: 54.32 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion:104 Resp: 451775
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 55.6 44.2 66.4



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





#71

Bromoform

Concen: 51.93 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

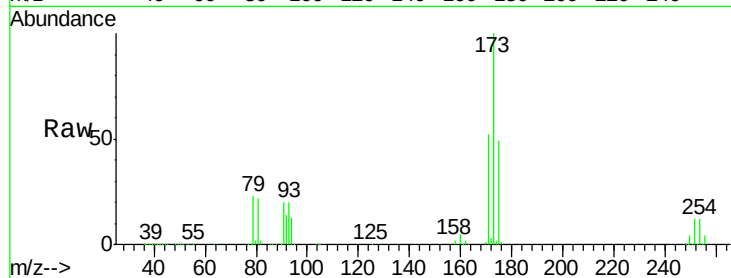
Tot Ion:173 Resp: 128022

Ion Ratio Lower Upper

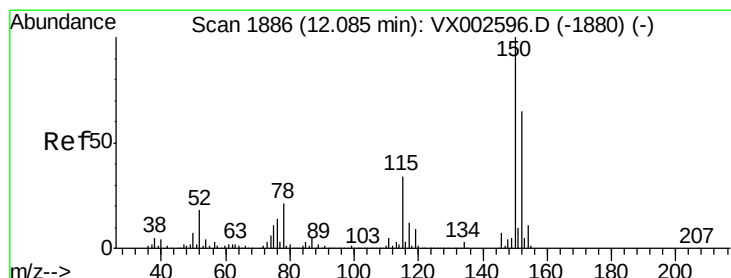
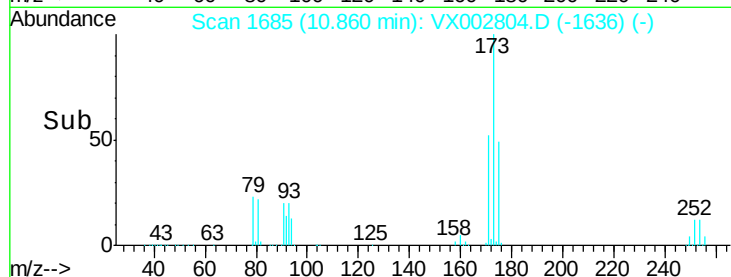
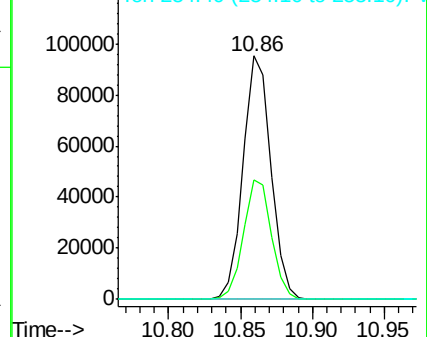
173 100

175 49.1 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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

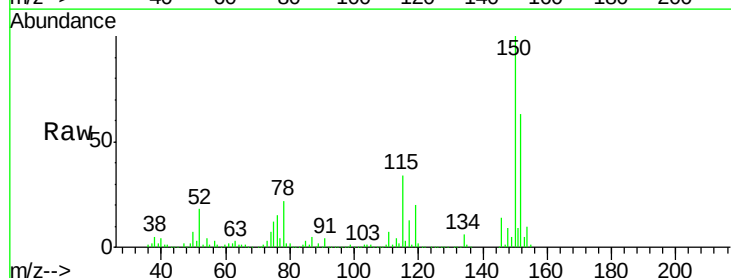
Tgt Ion:152 Resp: 208775

Ion Ratio Lower Upper

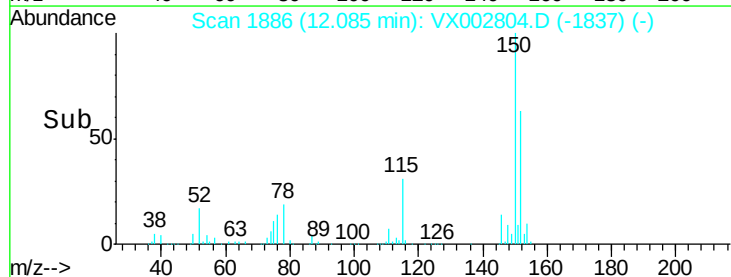
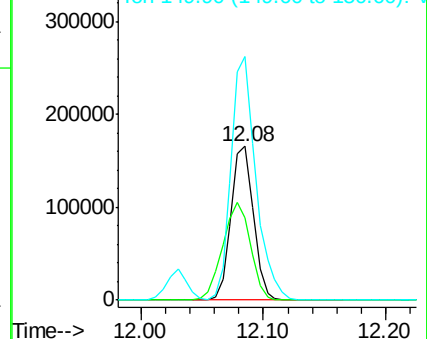
152 100

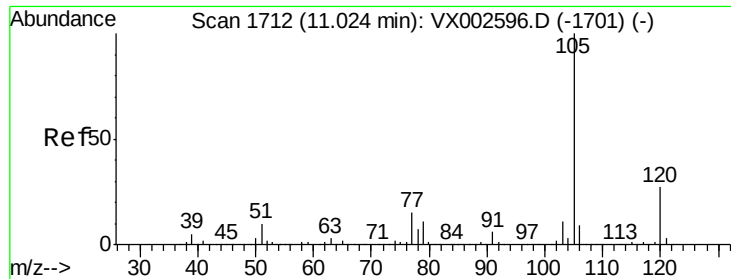
115 79.4 40.1 120.2

150 175.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

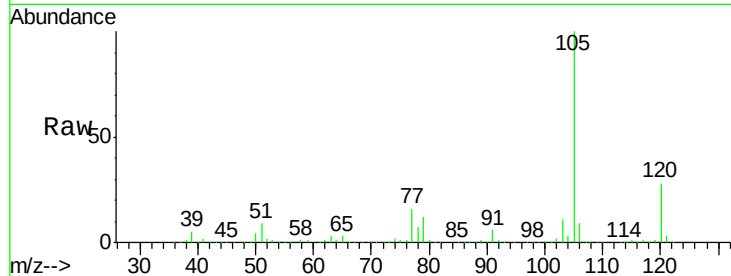
ClientSampleId :

Tot Ion:105 Resp: 744907

Ion Ratio Lower Upper

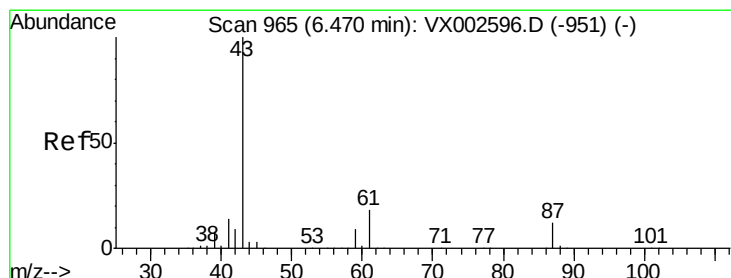
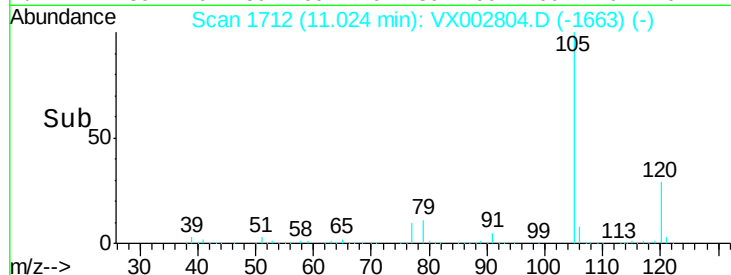
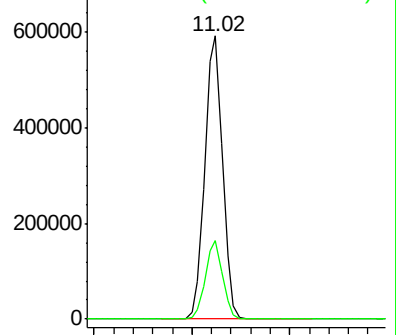
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Tgt Ion: 43 Resp: 347605

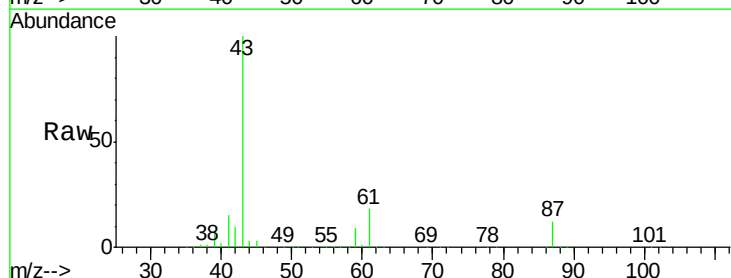
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.1 14.4 21.6

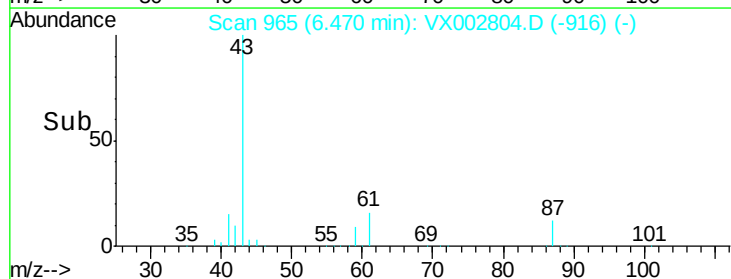
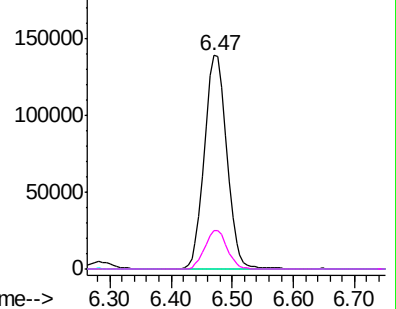


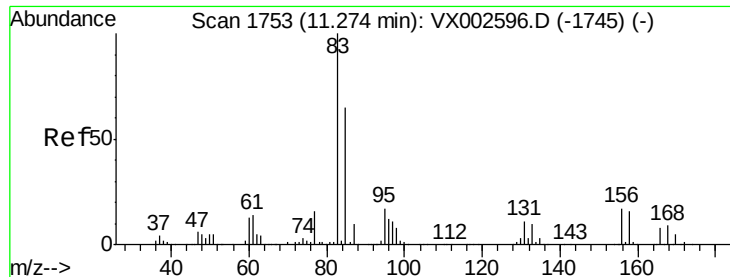
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.61 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

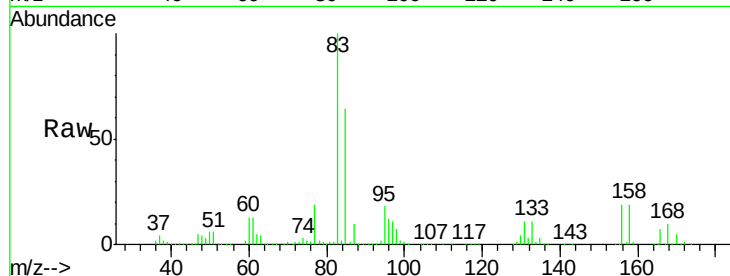
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 83 Resp: 225183

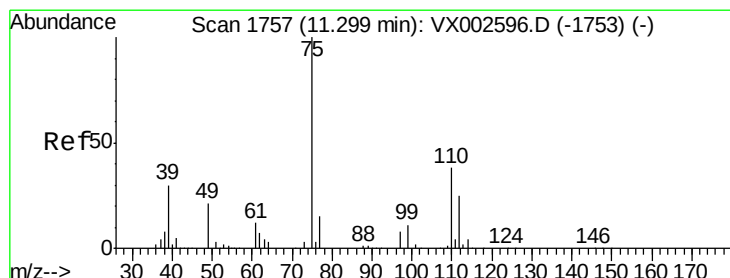
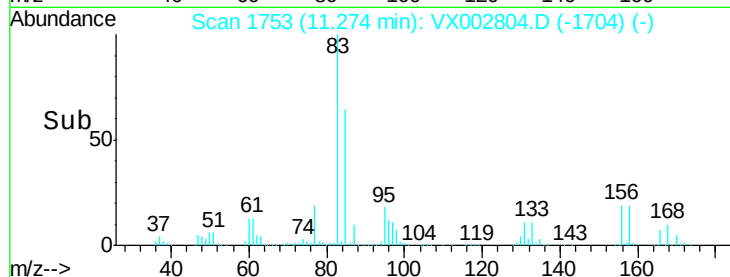
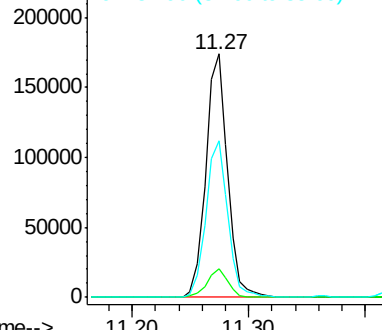
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	65.0	32.4	97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 66.44 ug/l

RT: 11.30 min Scan# 1757

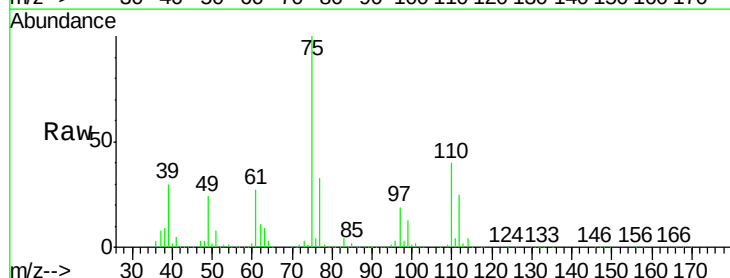
Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

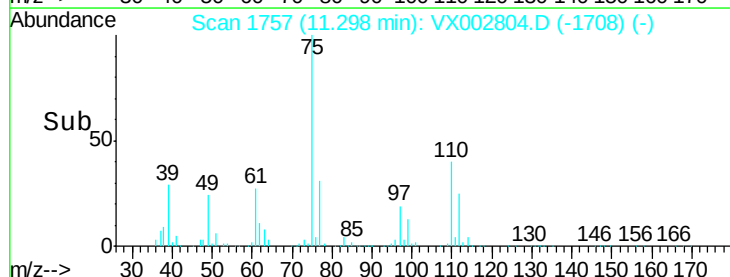
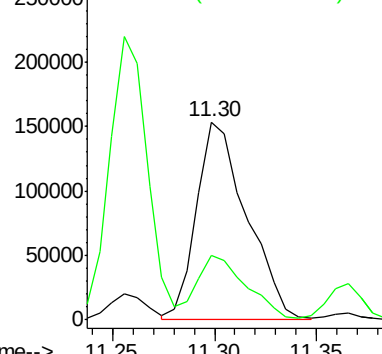
Tgt Ion: 75 Resp: 261732

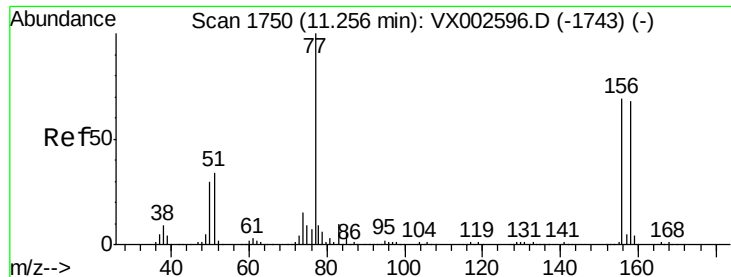
Ion	Ratio	Lower	Upper
75	100		
77	32.5	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.11 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

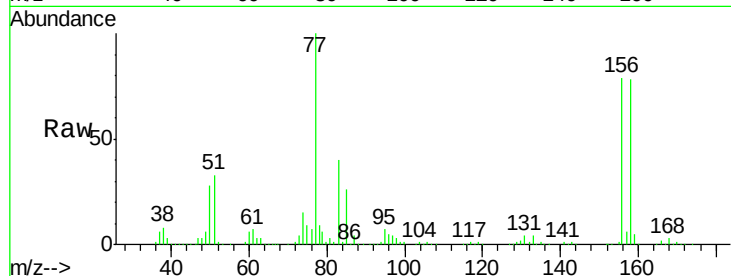
Tot Ion:156 Resp: 206597

Ion Ratio Lower Upper

156 100

77 137.1 71.4 214.2

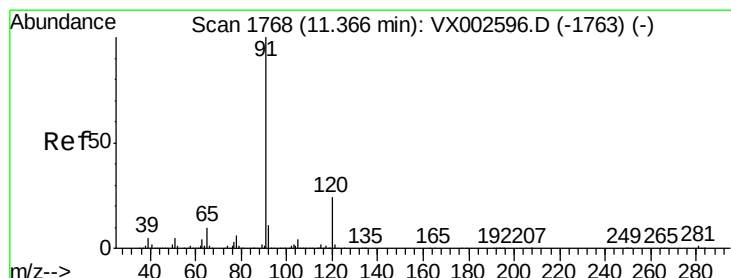
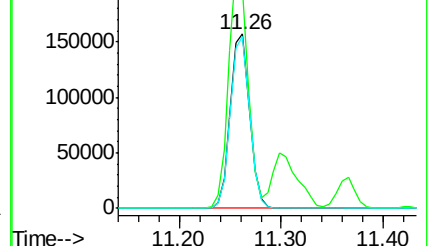
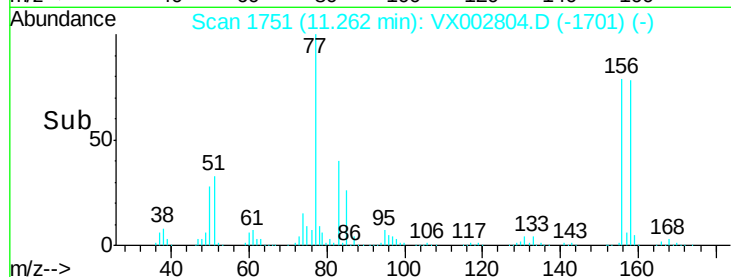
158 97.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.03 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002804.D

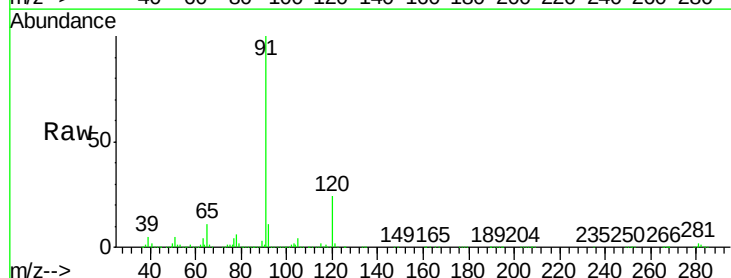
Acq: 21 Jun 2018 22:41

Tgt Ion: 91 Resp: 849271

Ion Ratio Lower Upper

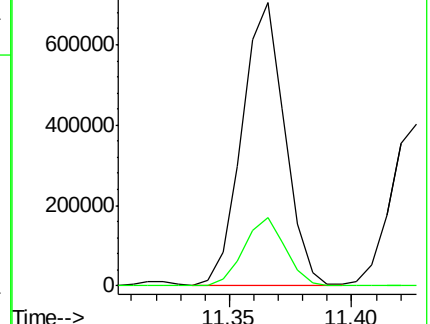
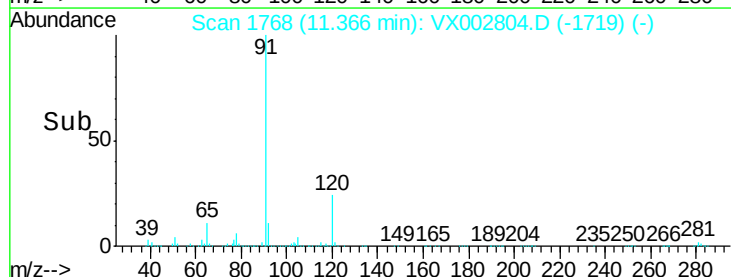
91 100

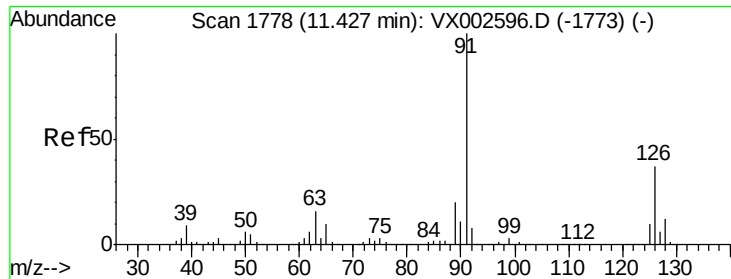
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

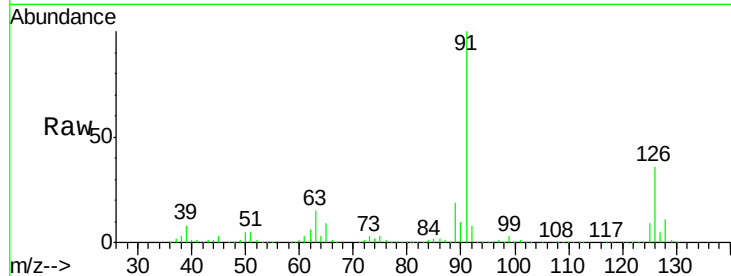
ClientSampled :

Tot Ion: 91 Resp: 503789

Ion Ratio Lower Upper

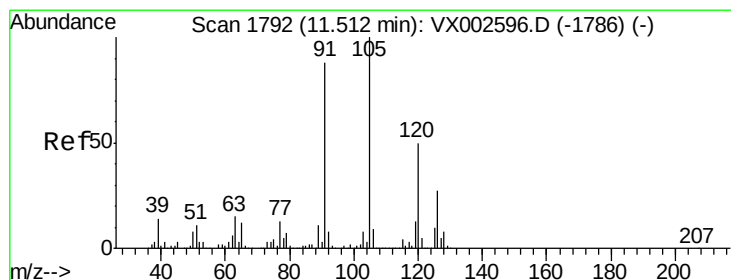
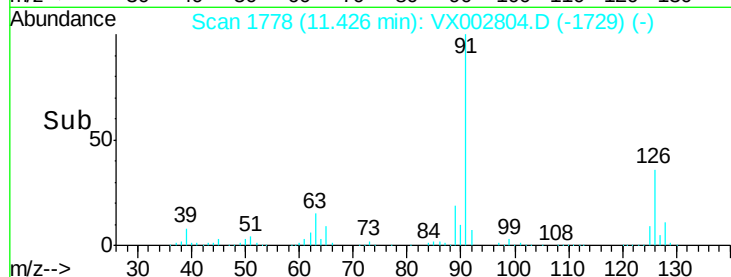
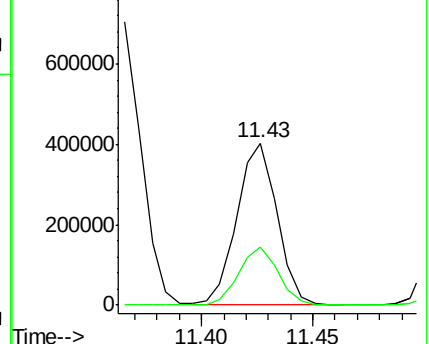
91 100

126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002596.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002804.D

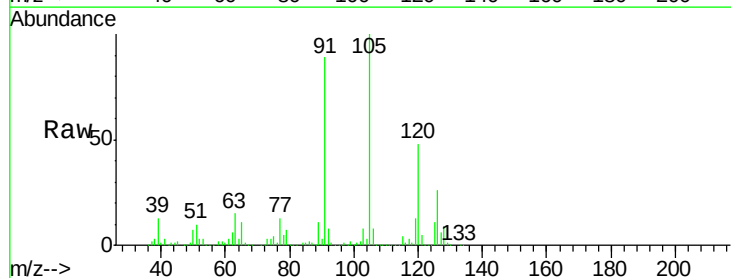
Acq: 21 Jun 2018 22:41

Tgt Ion: 105 Resp: 636650

Ion Ratio Lower Upper

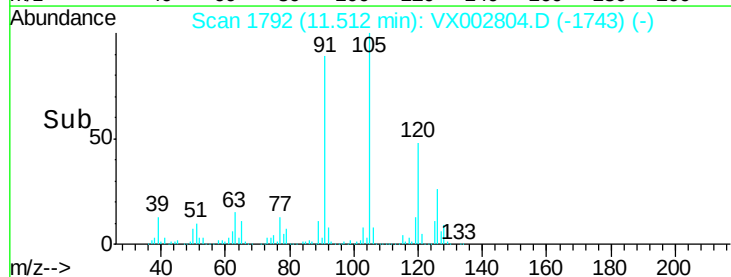
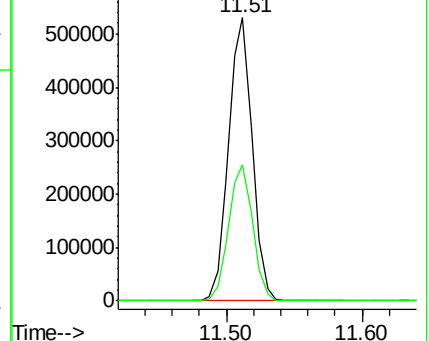
105 100

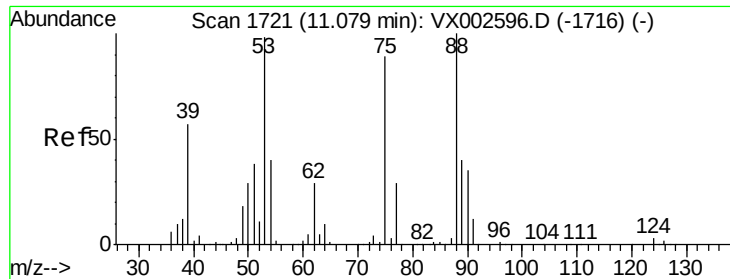
120 48.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002596.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002596.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.62 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

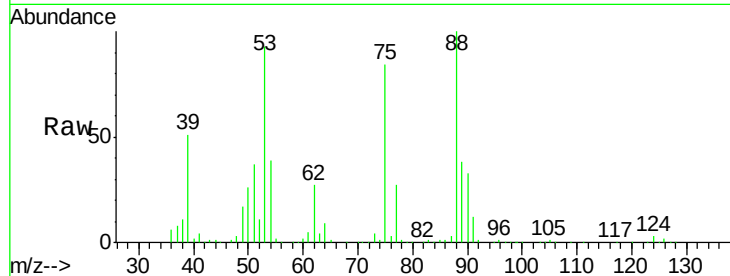
Tot Ion: 75 Resp: 57018

Ion Ratio Lower Upper

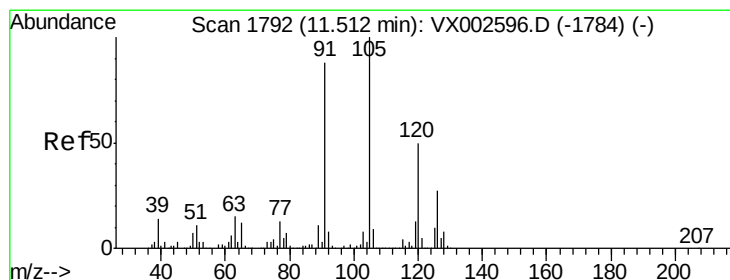
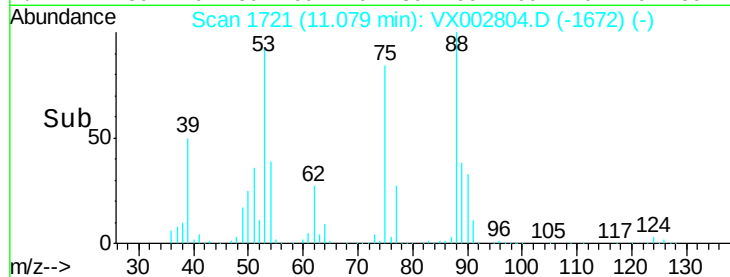
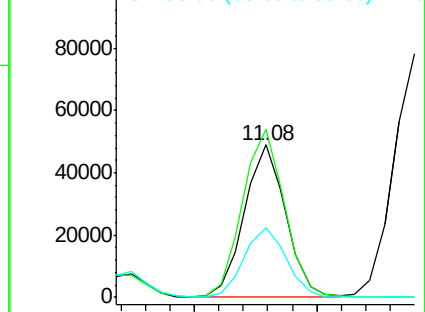
75 100

53 112.5 86.8 130.2

89 47.5 38.2 57.2



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



#82

4-Chlorotoluene

Concen: 53.06 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002804.D

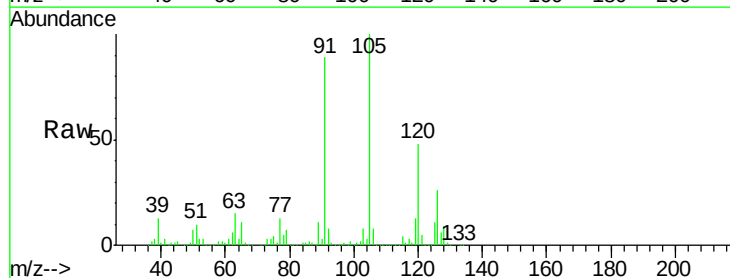
Acq: 21 Jun 2018 22:41

Tgt Ion: 91 Resp: 598554

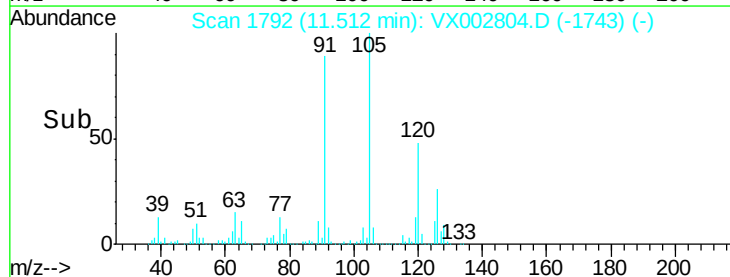
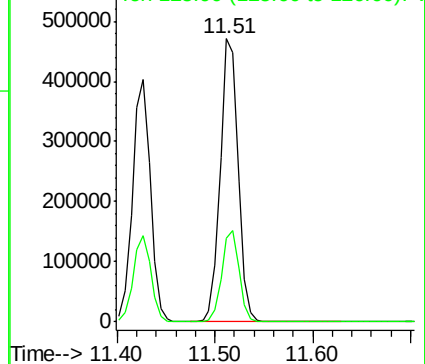
Ion Ratio Lower Upper

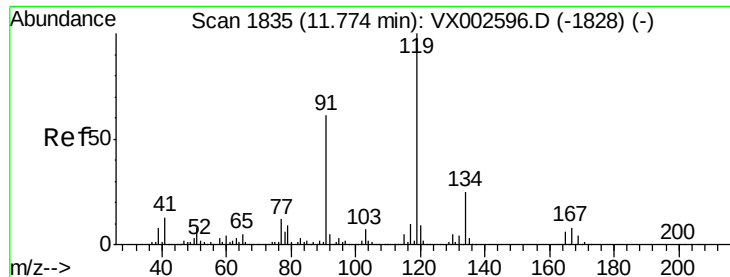
91 100

126 31.3 15.4 46.4



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





#83

tert-Butylbenzene

Concen: 54.11 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

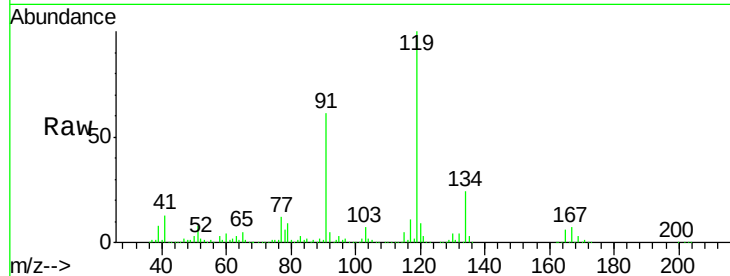
Tot Ion:119 Resp: 615115

Ion Ratio Lower Upper

119 100

91 59.1 30.3 90.9

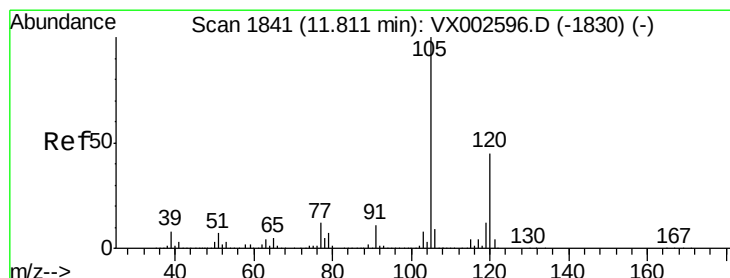
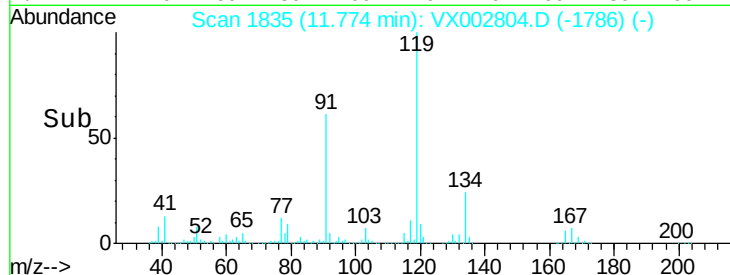
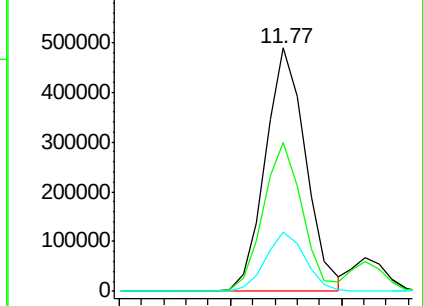
134 23.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.24 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002804.D

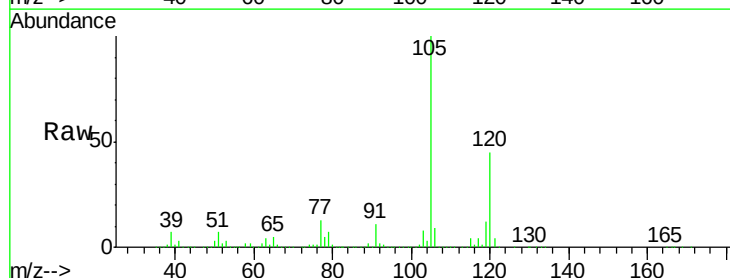
Acq: 21 Jun 2018 22:41

Tgt Ion:105 Resp: 653151

Ion Ratio Lower Upper

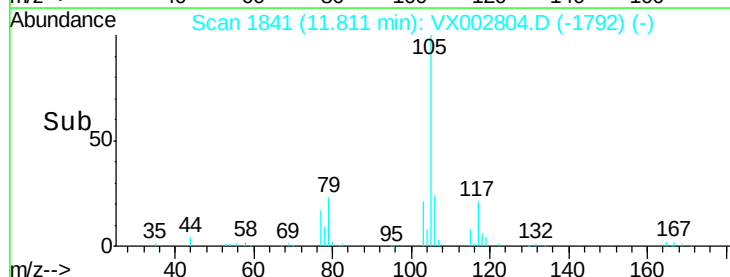
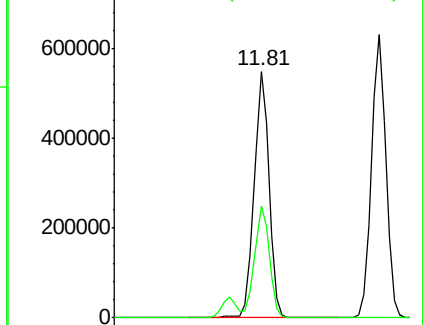
105 100

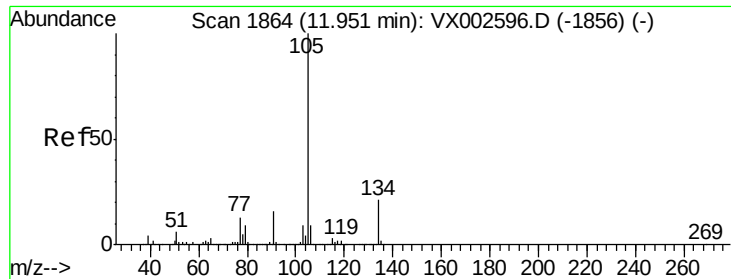
120 44.8 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

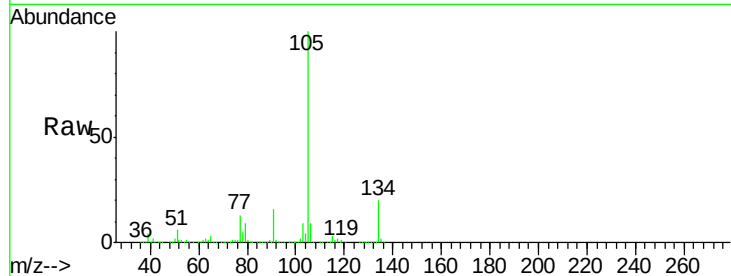
ClientSampleId :

Tot Ion:105 Resp: 753229

Ion Ratio Lower Upper

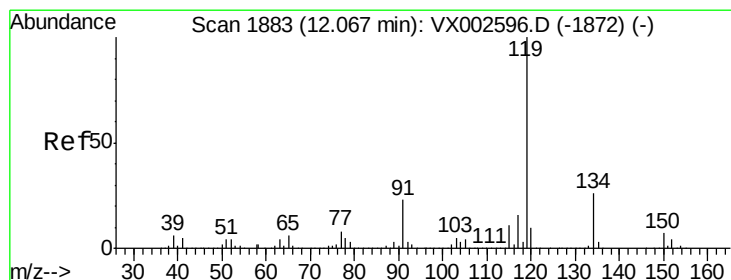
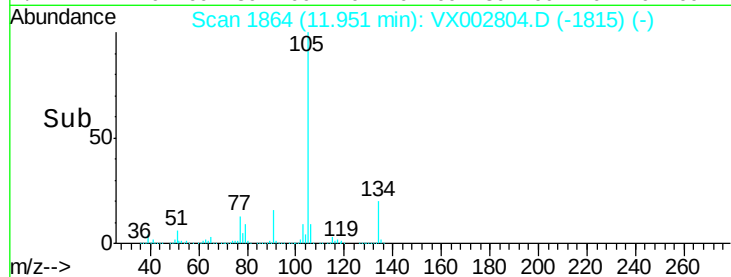
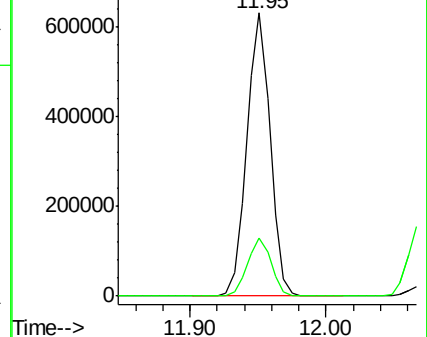
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.58 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

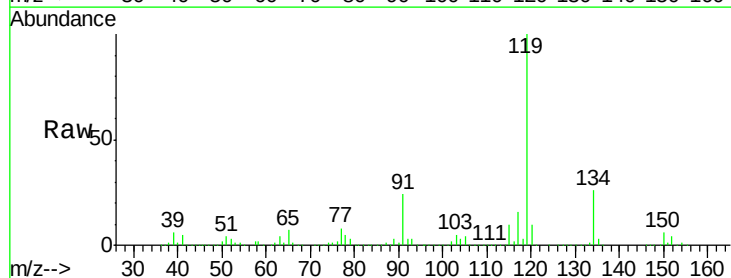
Tgt Ion:119 Resp: 685265

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

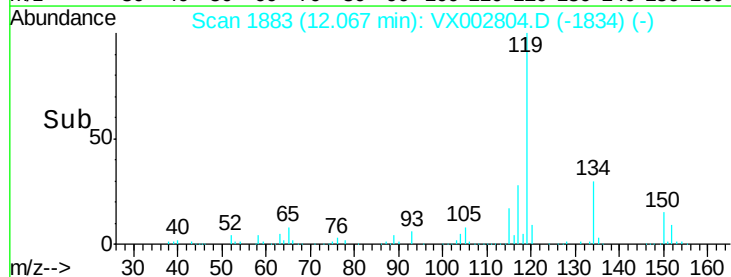
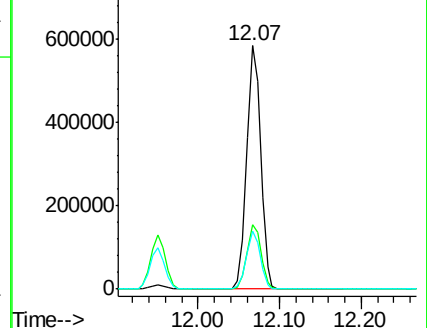
91 23.5 11.9 35.7

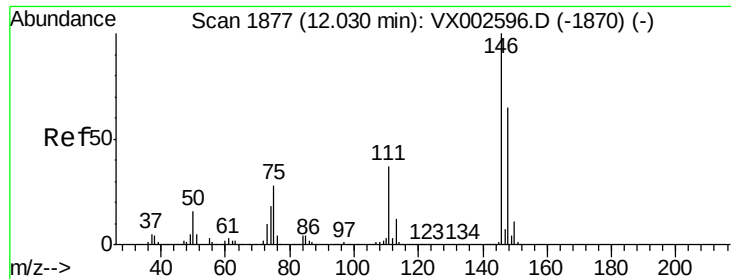


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

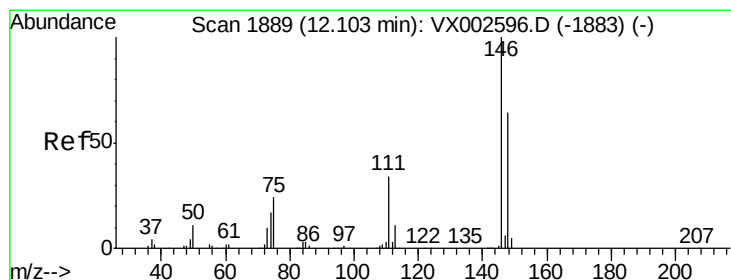
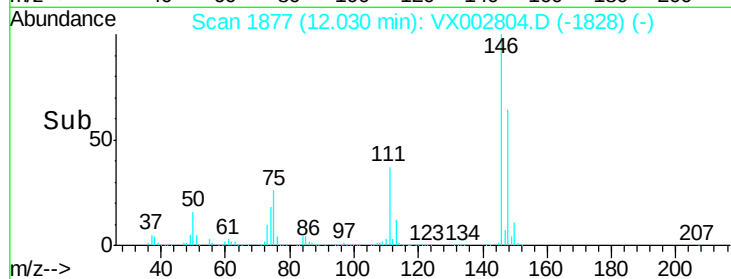
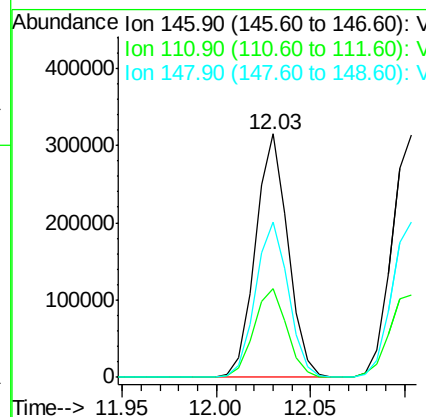
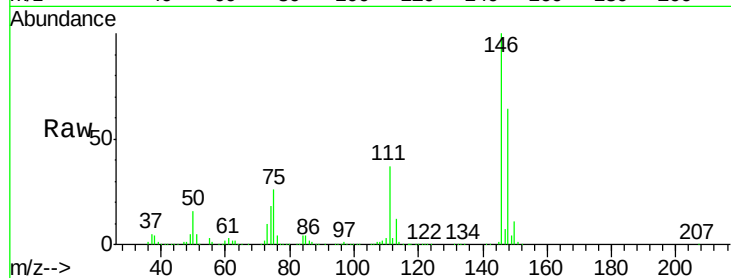




#87
 1,3-Dichlorobenzene
 Concen: 52.49 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

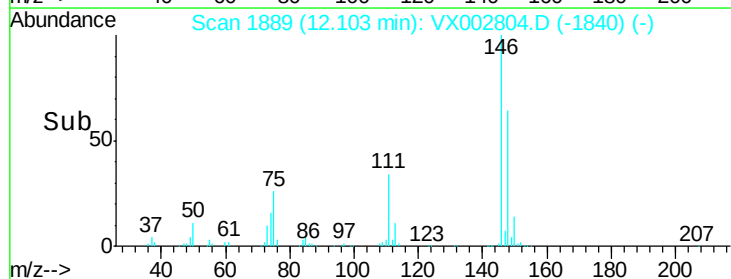
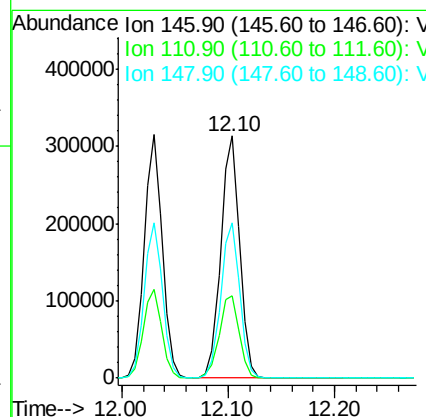
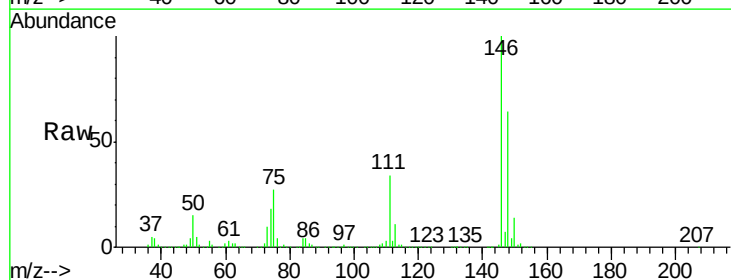
Instrument :
 MSVOA_X
 ClientSampleId :

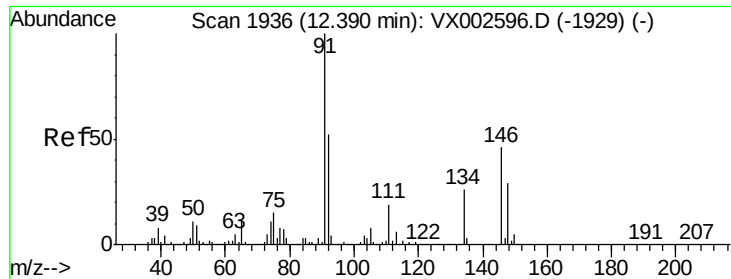
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.7
148	64.6	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.83 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.7	56.1
148	64.7	32.4	97.0

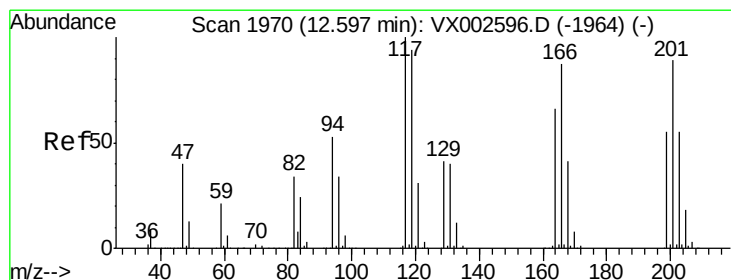
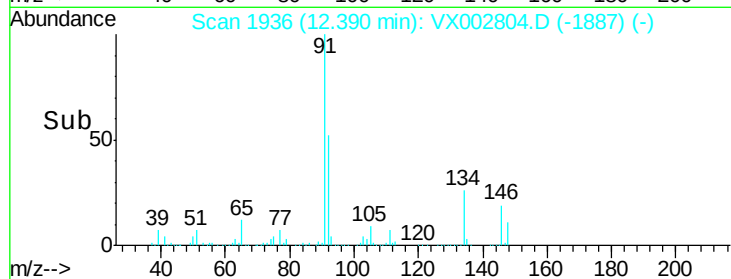
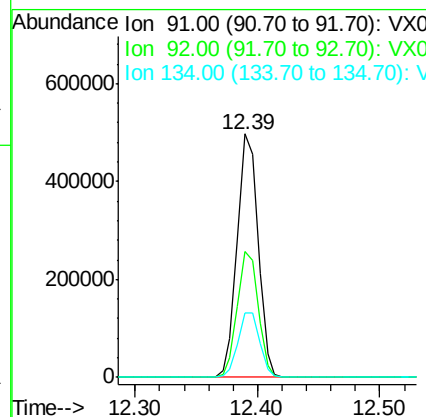
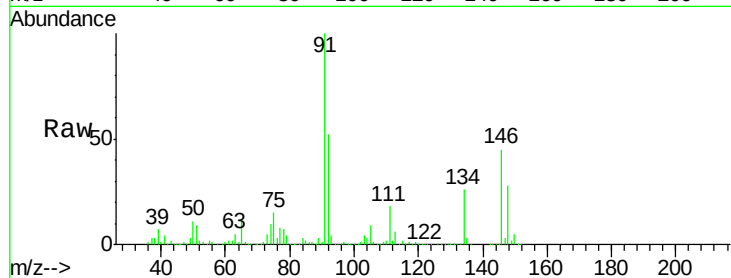




#89
n-Butylbenzene
Concen: 51.82 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

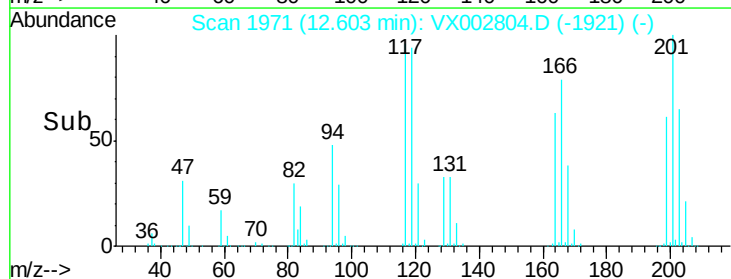
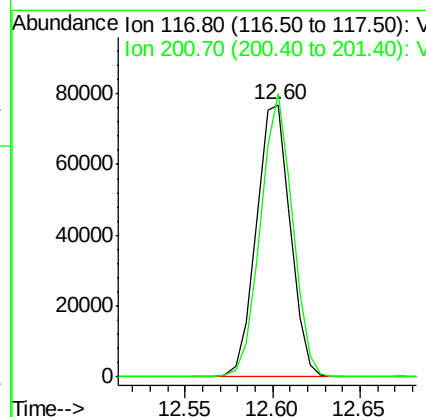
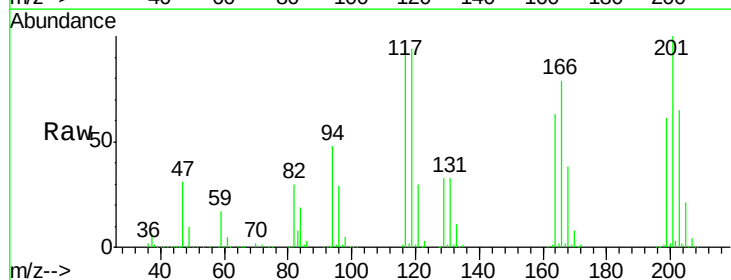
Instrument :
MSVOA_X
ClientSampleId :

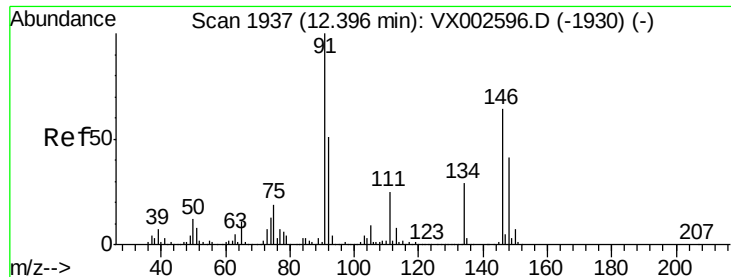
Tot Ion: 91 Resp: 584608
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 27.4 13.5 40.5



#90
Hexachloroethane
Concen: 51.71 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002804.D
Acq: 21 Jun 2018 22:41

Tgt Ion: 117 Resp: 103275
Ion Ratio Lower Upper
117 100
201 98.0 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 53.29 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

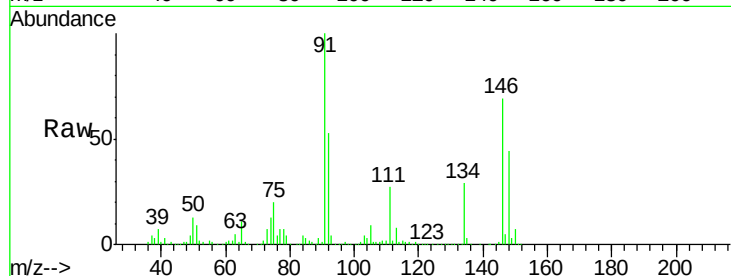
Tot Ion:146 Resp: 382594

Ion Ratio Lower Upper

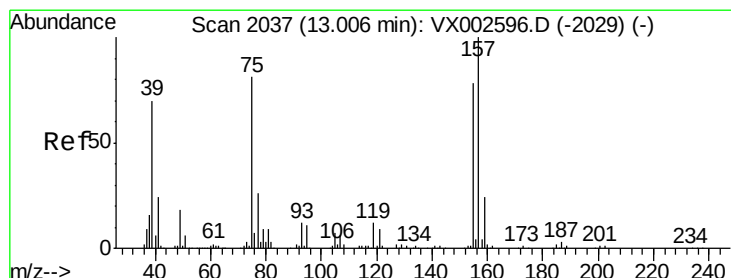
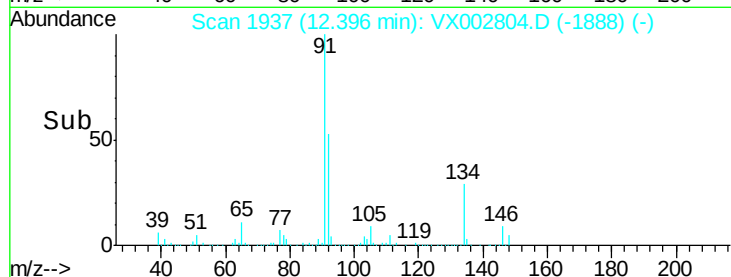
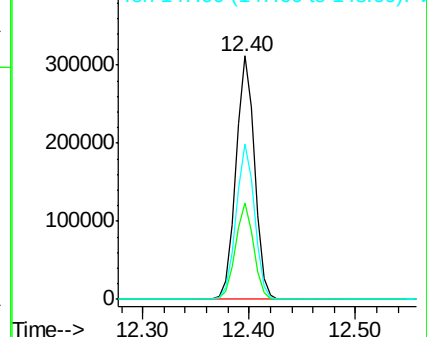
146 100

111 38.5 19.4 58.1

148 63.3 31.7 95.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.56 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

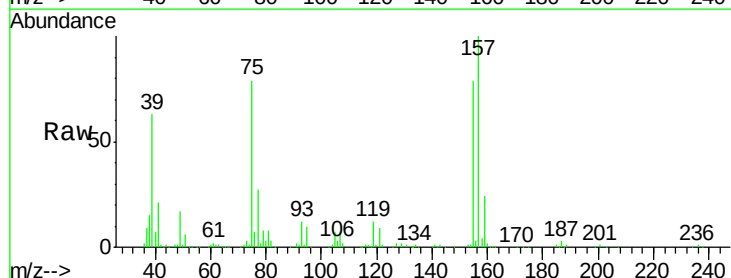
Tgt Ion: 75 Resp: 52309

Ion Ratio Lower Upper

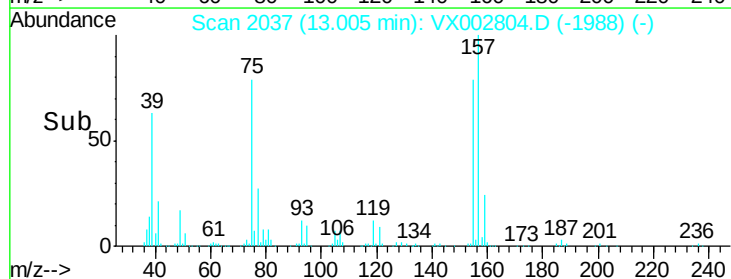
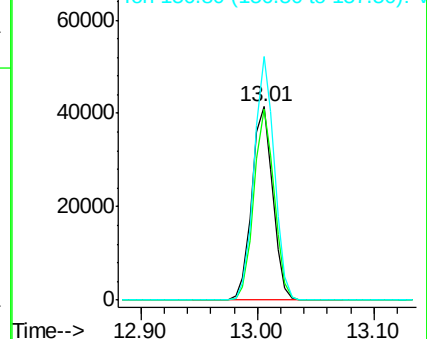
75 100

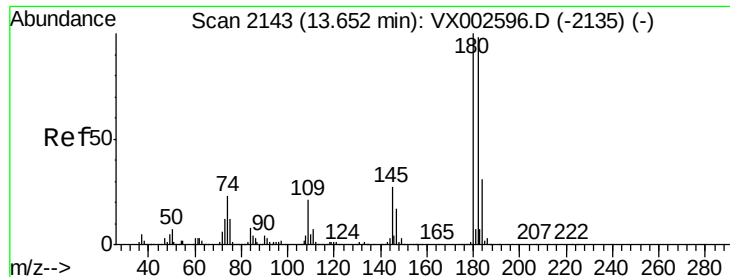
155 95.9 45.8 137.4

157 121.0 60.1 180.3



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

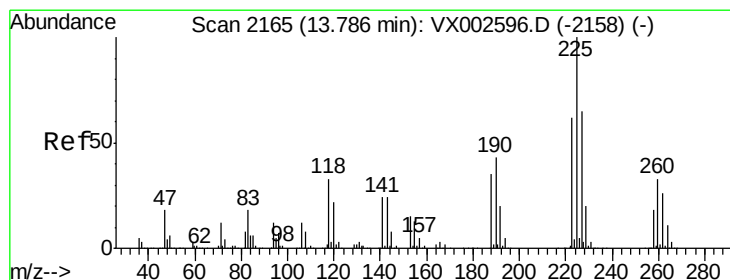
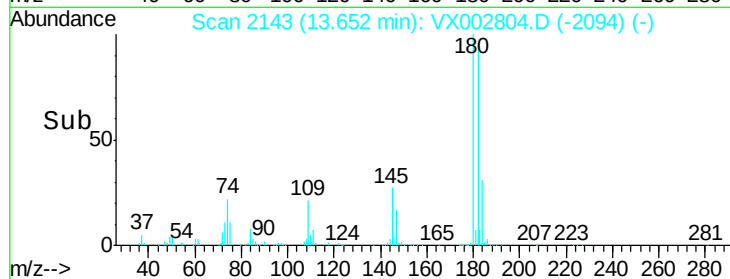
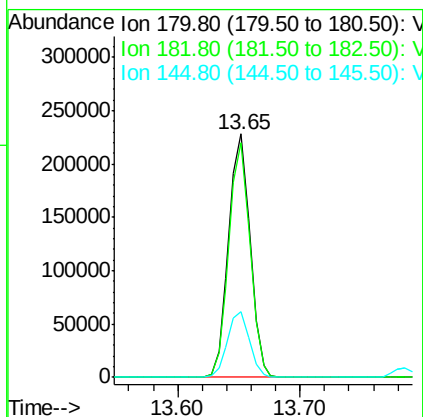
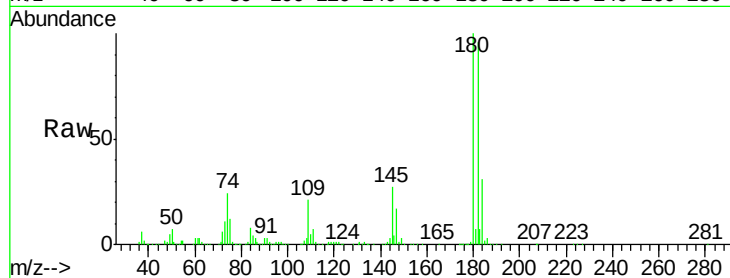




#93
 1,2,4-Trichlorobenzene
 Concen: 53.08 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

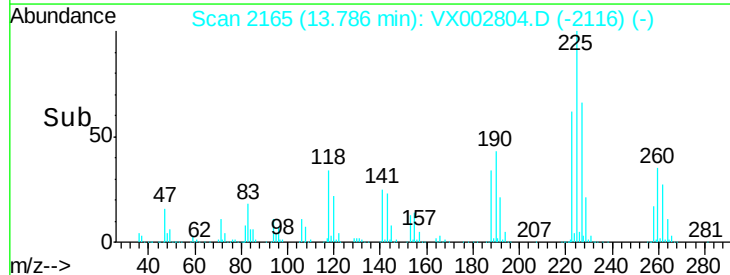
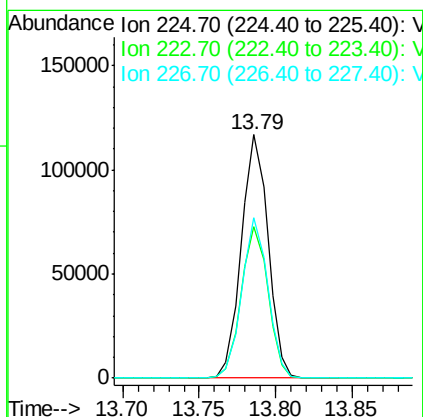
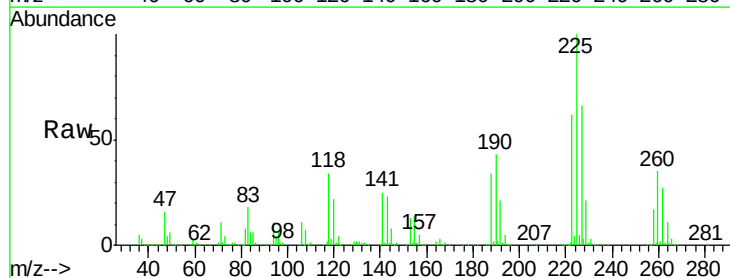
Instrument :
 MSVOA_X
 ClientSampleId :

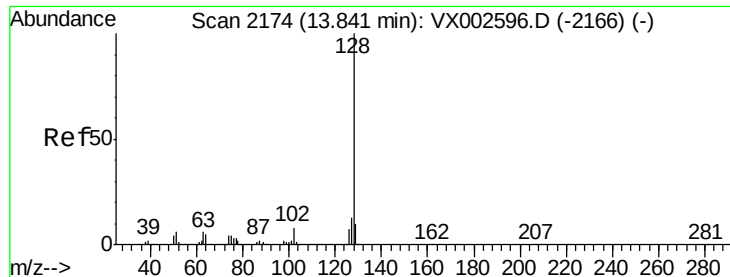
Tot Ion:180 Resp: 276576
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 51.60 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002804.D
 Acq: 21 Jun 2018 22:41

Tgt Ion:225 Resp: 141635
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 95.0
 227 64.2 32.4 97.2





#95

Naphthalene

Concen: 55.84 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

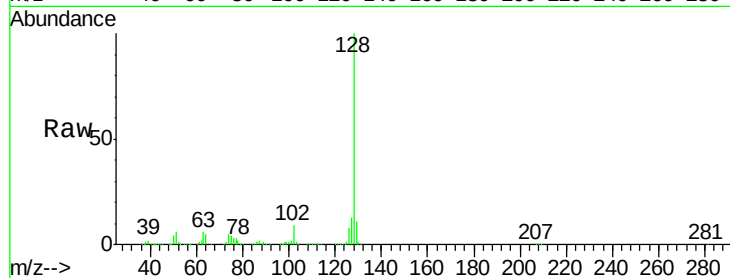
Tot Ion:128 Resp: 783053

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

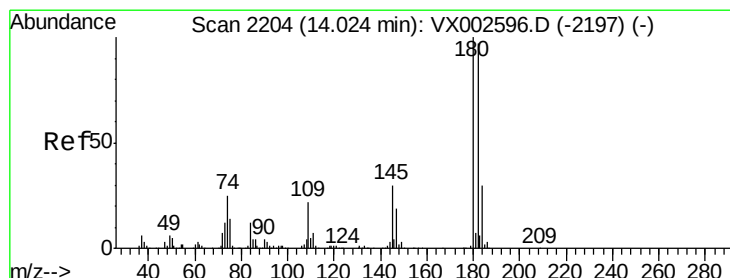
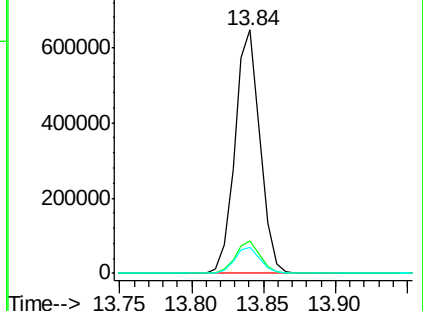
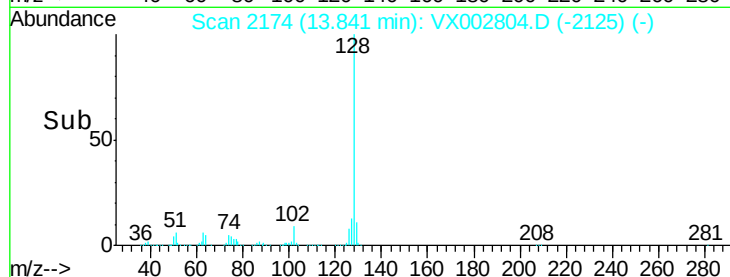
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.99 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002804.D

Acq: 21 Jun 2018 22:41

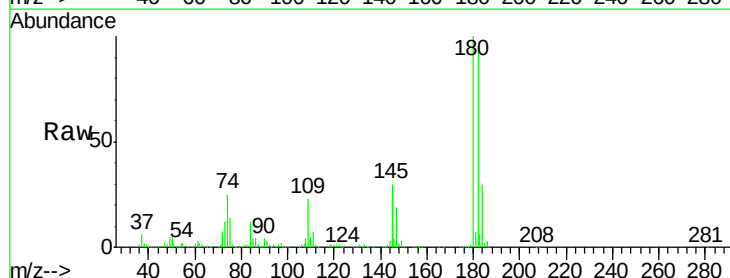
Tgt Ion:180 Resp: 282583

Ion Ratio Lower Upper

180 100

182 95.5 48.0 144.0

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

