

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002854.D
 Acq On : 23 Jun 2018 01:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 03:05:53 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	247576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208969	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	156026	41.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.94%		
35) Dibromofluoromethane	5.51	113	126411	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.54%		
50) Toluene-d8	8.72	98	446886	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.16%		
62) 4-Bromofluorobenzene	11.14	95	177818	45.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.48%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	122937	46.77	ug/l	99
3) Chloromethane	1.32	50	120440	38.52	ug/l	99
4) Vinyl Chloride	1.40	62	136767	42.16	ug/l	93
5) Bromomethane	1.64	94	90456	46.21	ug/l	98
6) Chloroethane	1.72	64	93598	43.77	ug/l	98
7) Trichlorofluoromethane	1.93	101	234653	44.52	ug/l	98
8) Diethyl Ether	2.19	74	84572	42.18	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	131445	44.61	ug/l	99
10) Methyl Iodide	2.51	142	141819	37.15	ug/l	100
11) Tert butyl alcohol	3.08	59	175931	226.20	ug/l	100
12) 1,1-Dichloroethene	2.37	96	120215	43.46	ug/l	93
13) Acrolein	2.29	56	66318	183.76	ug/l	100
14) Allyl chloride	2.73	41	232066	42.25	ug/l	99
15) Acrylonitrile	3.15	53	369493	217.71	ug/l	99
16) Acetone	2.45	43	347038	209.08	ug/l	100
17) Carbon Disulfide	2.57	76	306166	46.66	ug/l	100
18) Methyl Acetate	2.78	43	212264	48.00	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	439999	42.40	ug/l	99
20) Methylene Chloride	2.86	84	135214	39.73	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	126987	42.31	ug/l	98
22) Diisopropyl ether	3.88	45	456579	45.95	ug/l	99
23) Vinyl Acetate	3.83	43	1901669	228.64	ug/l	99
24) 1,1-Dichloroethane	3.70	63	240252	44.54	ug/l	99
25) 2-Butanone	4.71	43	527090	241.80	ug/l	99
26) 2,2-Dichloropropane	4.59	77	147376	38.03	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	144192	47.22	ug/l	98
28) Bromochloromethane	5.02	49	108717	43.04	ug/l	94
29) Tetrahydrofuran	5.17	42	340737	238.51	ug/l	98
30) Chloroform	5.22	83	253948	48.83	ug/l	97
31) Cyclohexane	5.58	56	206821	46.57	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	224966	51.72	ug/l	99
36) 1,1-Dichloropropene	5.80	75	180979	49.78	ug/l	100
37) Ethyl Acetate	4.87	43	204251	49.64	ug/l	99
38) Carbon Tetrachloride	5.79	117	201391	55.63	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	211299	49.72	ug/l	97
40) Benzene	6.15	78	533890	48.98	ug/l	99
41) Methacrylonitrile	5.07	41	118528	51.02	ug/l	99
42) 1,2-Dichloroethane	6.20	62	212671	50.39	ug/l	100
43) Isopropyl Acetate	6.47	43	336702	49.39	ug/l	99
44) Trichloroethene	7.21	130	158488	50.37	ug/l	100
45) 1,2-Dichloropropane	7.52	63	140060	48.82	ug/l	99
46) Dibromomethane	7.67	93	98020	51.08	ug/l	98
47) Bromodichloromethane	7.90	83	186705	55.16	ug/l	99
48) Methyl methacrylate	7.78	41	176813	50.75	ug/l	98
49) 1,4-Dioxane	7.76	88	70675	1071.27	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1107307	252.98	ug/l	98
52) Toluene	8.79	92	348471	50.12	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	208009	46.60	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	195538	46.02	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	144361	51.38	ug/l	98
56) Ethyl methacrylate	9.18	69	221307	51.18	ug/l	97
57) 1,3-Dichloropropane	9.38	76	238014	50.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	405038	193.68	ug/l	99
59) 2-Hexanone	9.50	43	850128	257.74	ug/l	98
60) Dibromochloromethane	9.59	129	154256	48.90	ug/l	99
61) 1,2-Dibromoethane	9.68	107	151680	52.13	ug/l	99
64) Tetrachloroethene	9.34	164	179405	49.51	ug/l	97
65) Chlorobenzene	10.14	112	410558	51.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	150752	55.16	ug/l	99
67) Ethyl Benzene	10.26	91	692927	51.24	ug/l	99
68) m/p-Xylenes	10.36	106	535232	102.61	ug/l	100
69) o-Xylene	10.70	106	262347	51.19	ug/l	98
70) Styrene	10.71	104	440492	52.26	ug/l	100
71) Bromoform	10.86	173	121256	48.85	ug/l	99
73) Isopropylbenzene	11.02	105	719939	51.51	ug/l	100
74) N-amyl acetate	6.47	43	336702	48.49	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	219952	53.29	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	243939	61.86	ug/l	80
77) Bromobenzene	11.26	156	197561	50.74	ug/l	98
78) n-propylbenzene	11.37	91	817815	51.02	ug/l	99
79) 2-Chlorotoluene	11.43	91	484510	50.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	611083	51.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	50973	42.09	ug/l	96
82) 4-Chlorotoluene	11.51	91	573994	50.83	ug/l	99
83) tert-Butylbenzene	11.77	119	599218	52.66	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	626411	51.98	ug/l	99
85) sec-Butylbenzene	11.95	105	726235	51.33	ug/l	100
86) p-Isopropyltoluene	12.07	119	653054	51.01	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	363552	50.91	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	366585	50.46	ug/l	99
89) n-Butylbenzene	12.39	91	558387	49.45	ug/l	100
90) Hexachloroethane	12.60	117	93243	46.90	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	366755	51.03	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50398	58.30	ug/l	99

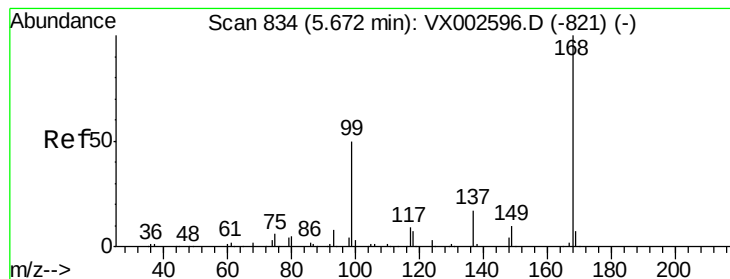
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	270899	51.94	ug/l	99
94) Hexachlorobutadiene	13.79	225	133620	48.63	ug/l	99
95) Naphthalene	13.84	128	767384	54.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	276021	52.69	ug/l	99

(#) = 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: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

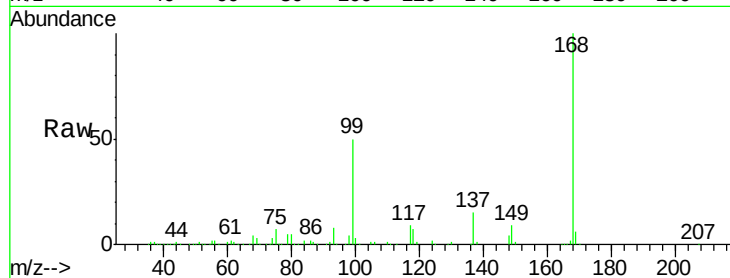
ClientSampleId :

Tot Ion:168 Resp: 247576

Ion Ratio Lower Upper

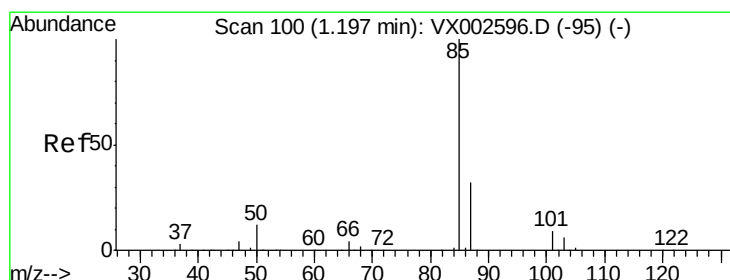
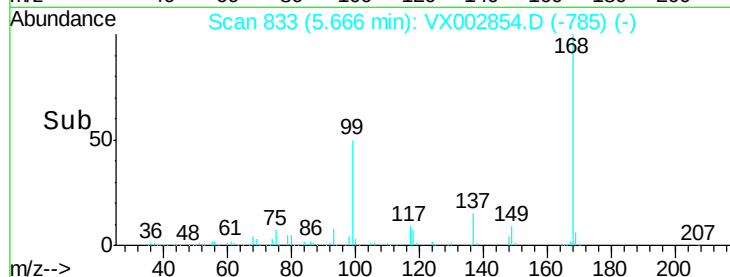
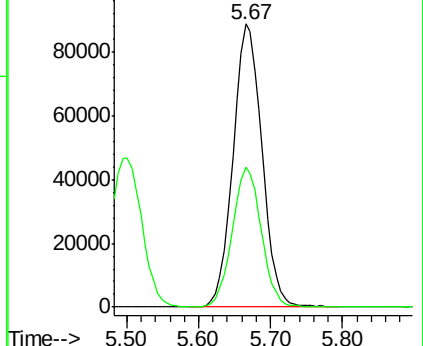
168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.77 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002854.D

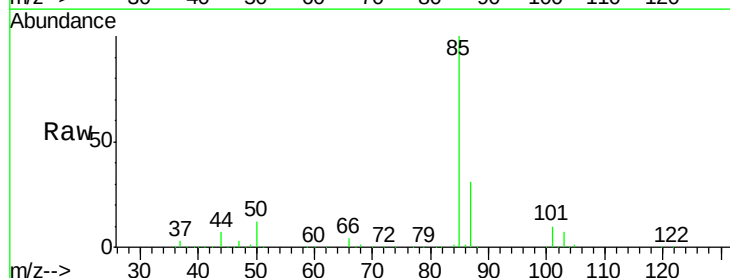
Acq: 23 Jun 2018 01:44

Tgt Ion: 85 Resp: 122937

Ion Ratio Lower Upper

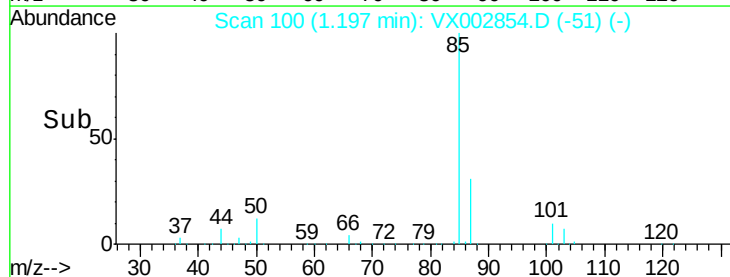
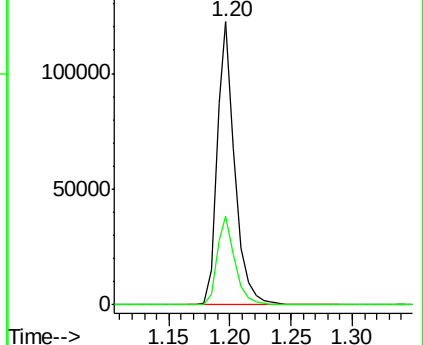
85 100

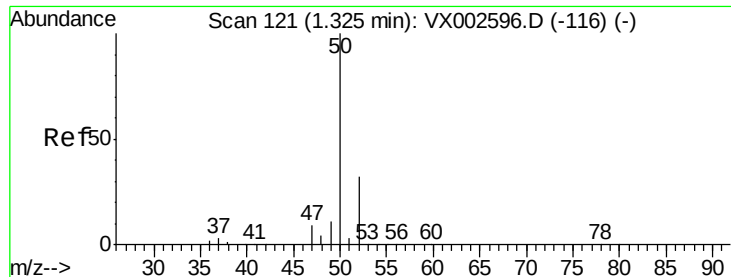
87 31.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 38.52 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

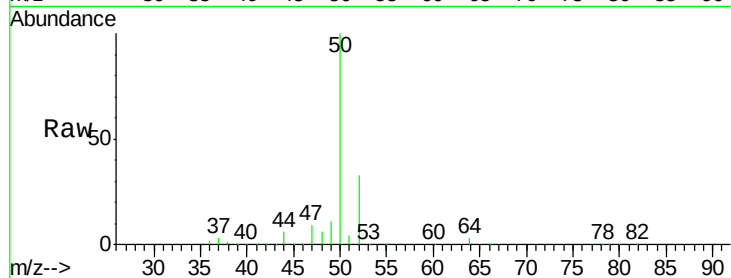
ClientSampleId :

Tot Ion: 50 Resp: 120440

Ion Ratio Lower Upper

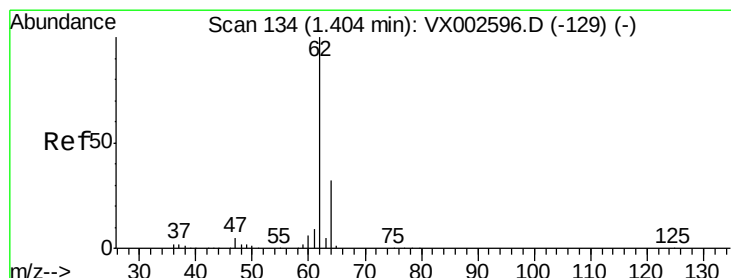
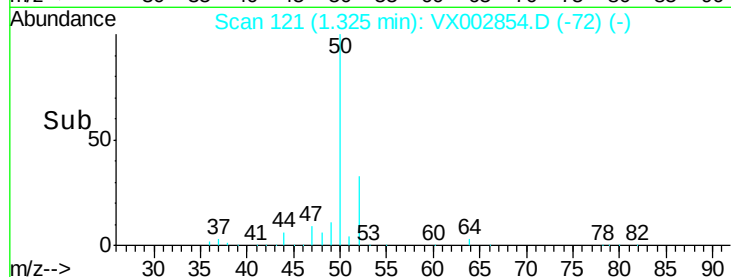
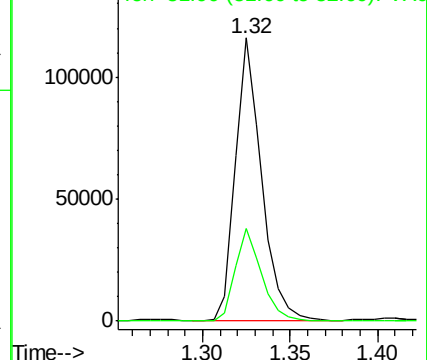
50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.16 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002854.D

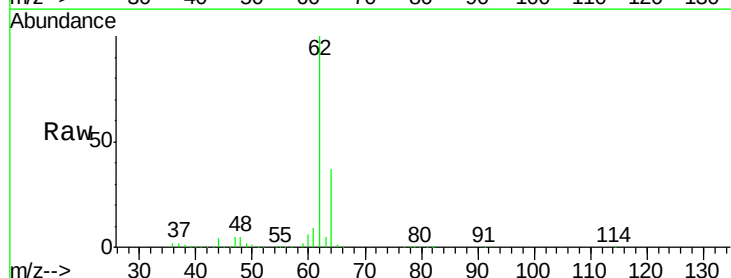
Acq: 23 Jun 2018 01:44

Tgt Ion: 62 Resp: 136767

Ion Ratio Lower Upper

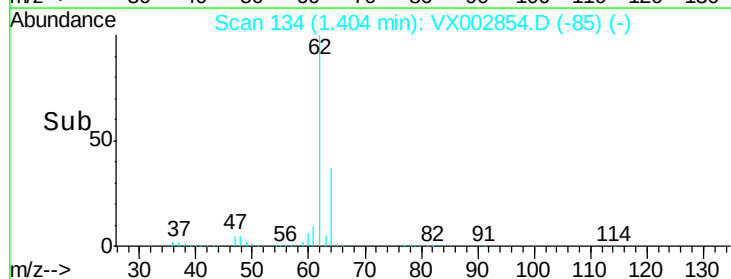
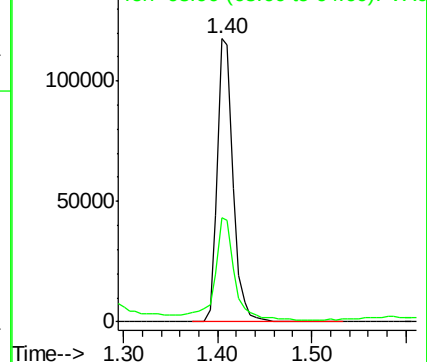
62 100

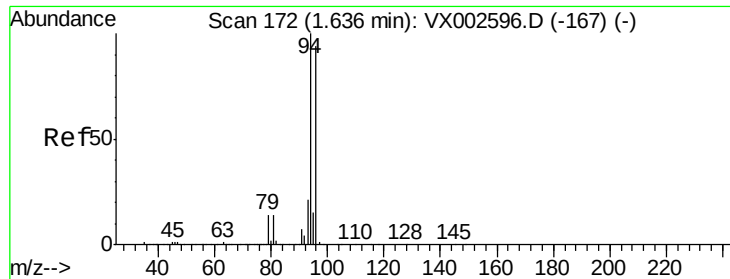
64 35.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.21 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

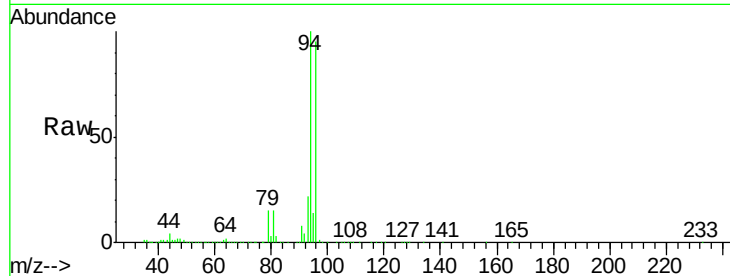
ClientSampled :

Tot Ion: 94 Resp: 90456

Ion Ratio Lower Upper

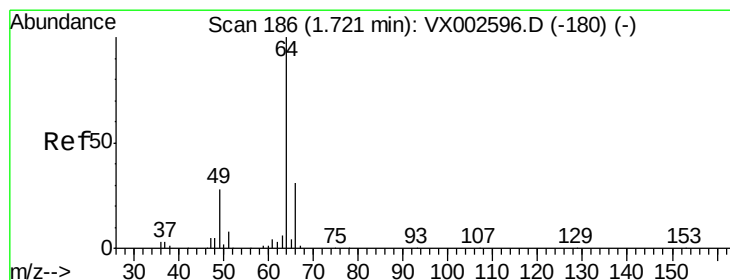
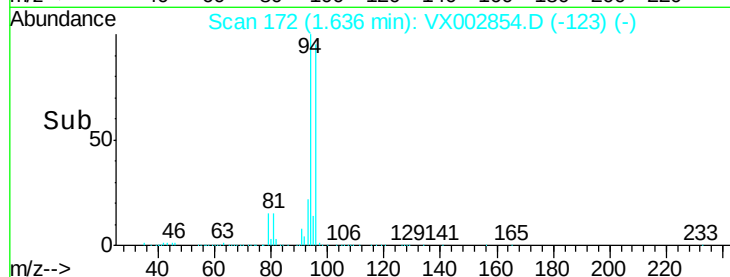
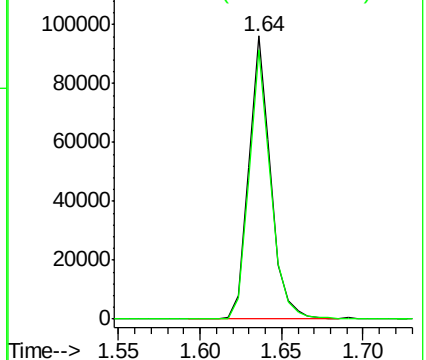
94 100

96 95.2 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: 43.77 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002854.D

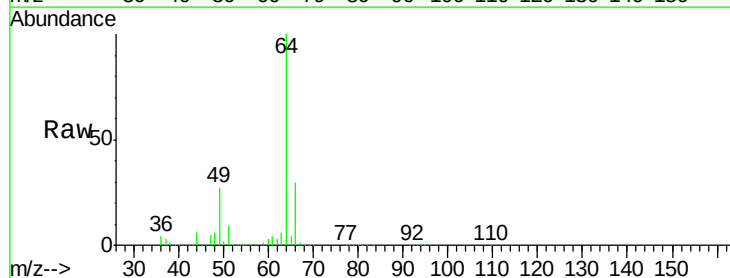
Acq: 23 Jun 2018 01:44

Tgt Ion: 64 Resp: 93598

Ion Ratio Lower Upper

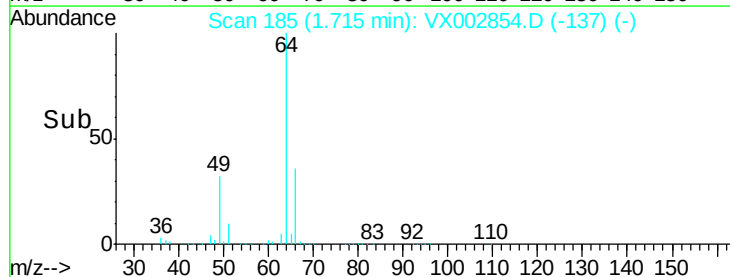
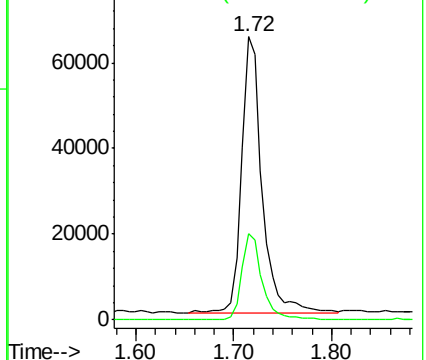
64 100

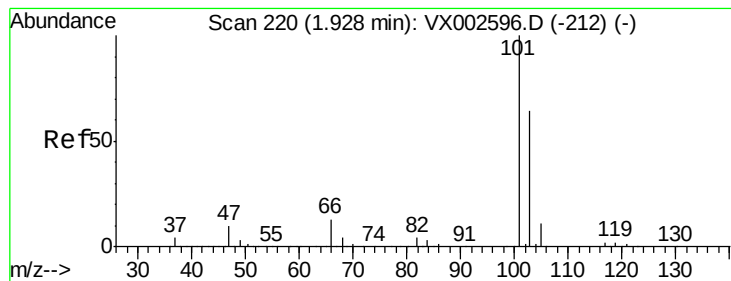
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



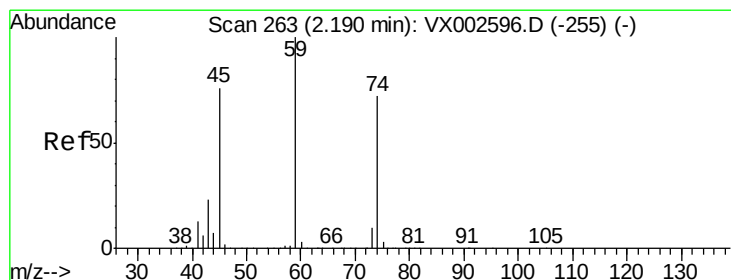
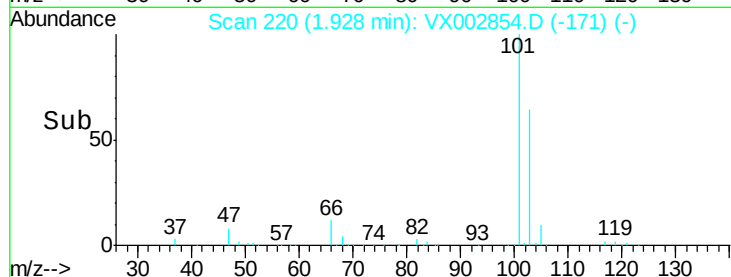
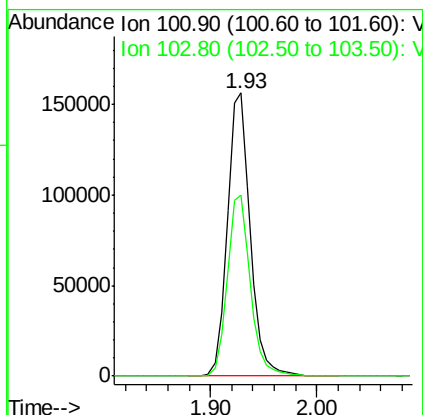
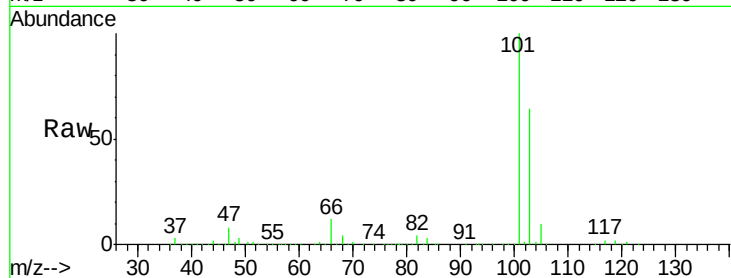


#7

Trichlorofluoromethane
 Concen: 44.52 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Instrument :
 MSVOA_X
 ClientSampleId :

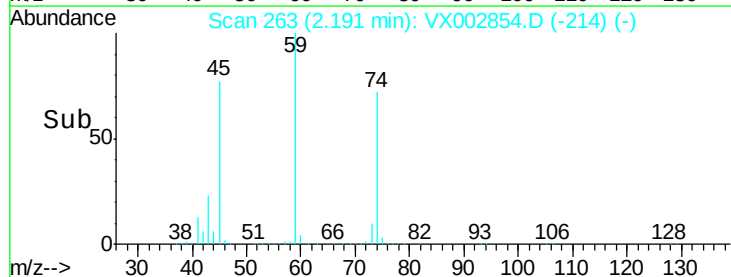
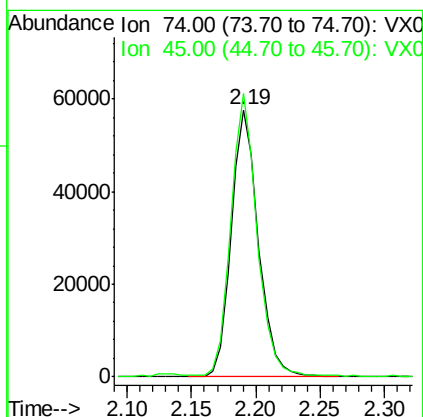
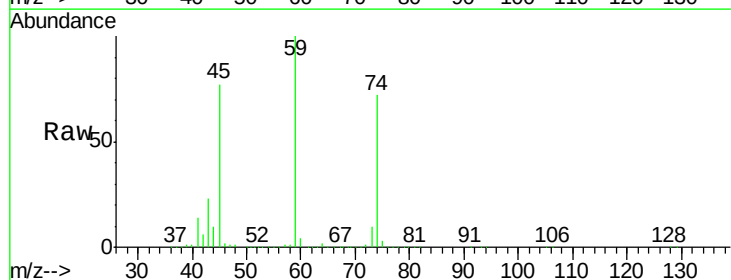
Tot Ion:101 Resp: 234653
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.8 79.2

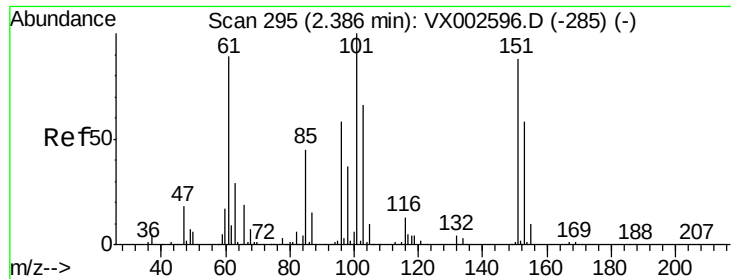


#8

Diethyl Ether
 Concen: 42.18 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion: 74 Resp: 84572
 Ion Ratio Lower Upper
 74 100
 45 102.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.61 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

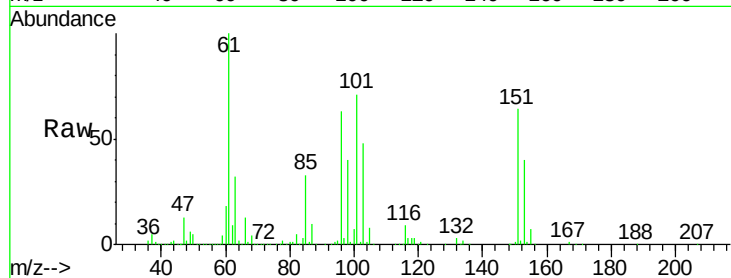
Tot Ion:101 Resp: 131445

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

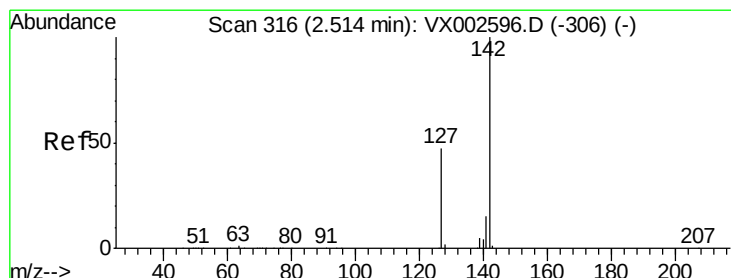
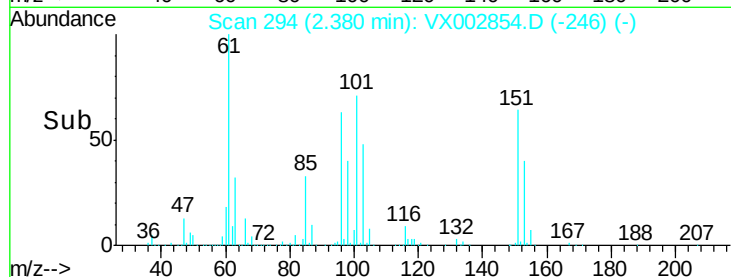
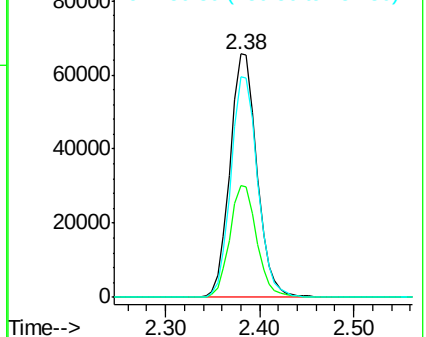
151 90.0 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 37.15 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

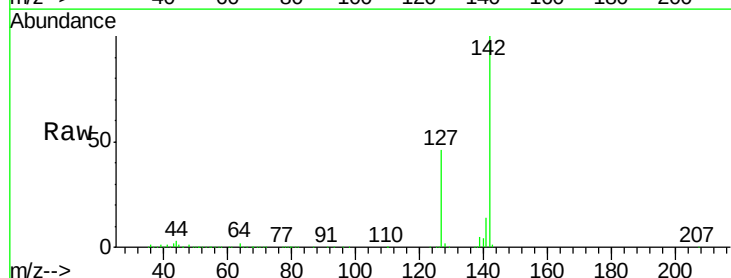
Tgt Ion:142 Resp: 141819

Ion Ratio Lower Upper

142 100

127 45.8 36.6 55.0

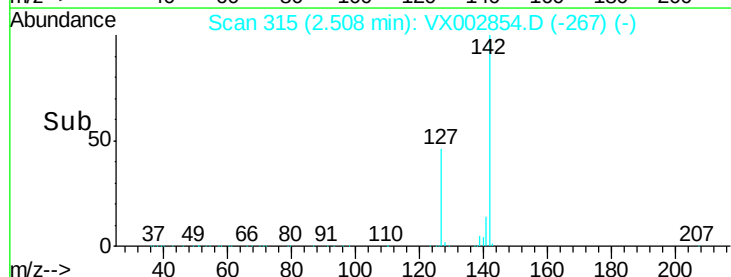
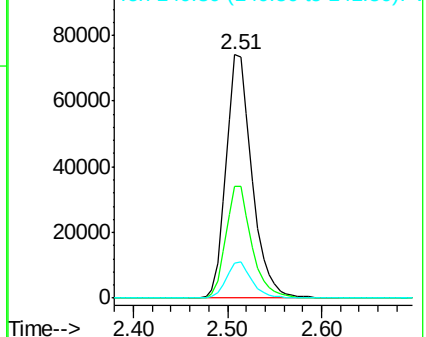
141 14.6 11.3 16.9

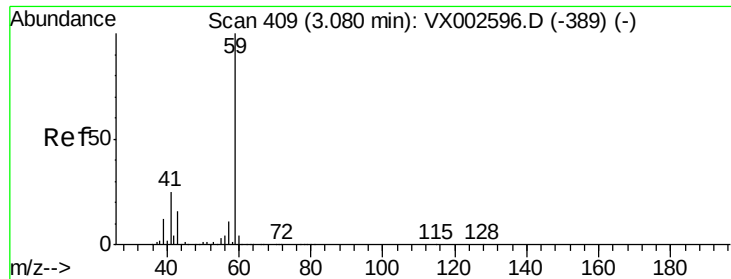


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



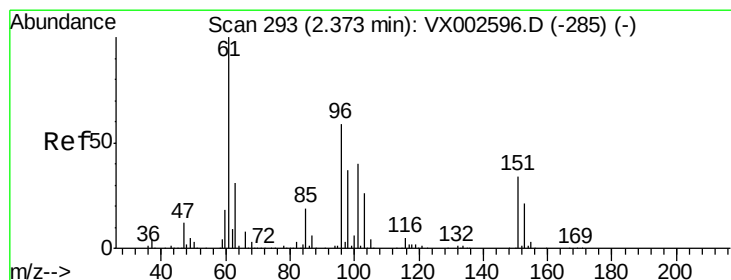
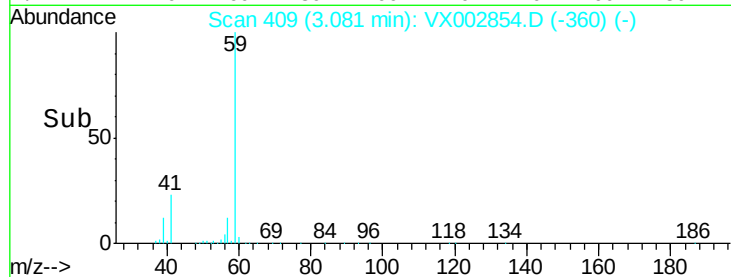
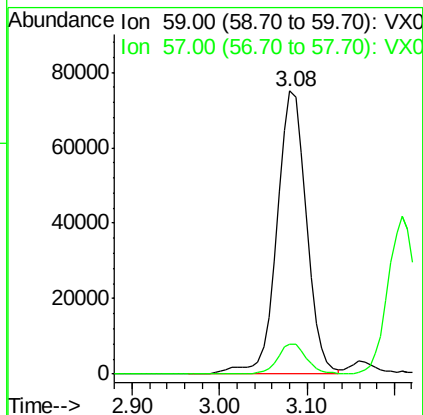
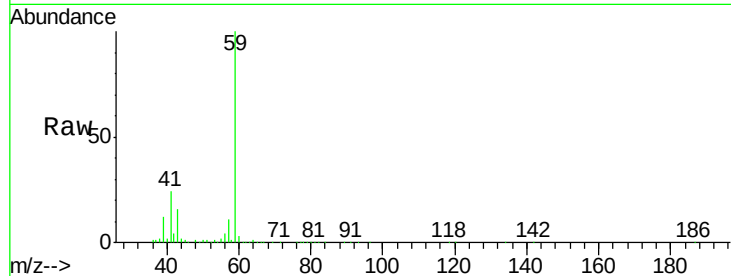


#11

Tert butyl alcohol
 Concen: 226.20 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Instrument :
 MSVOA_X
 ClientSampled :

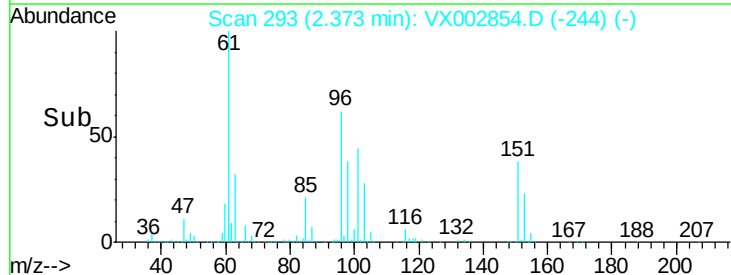
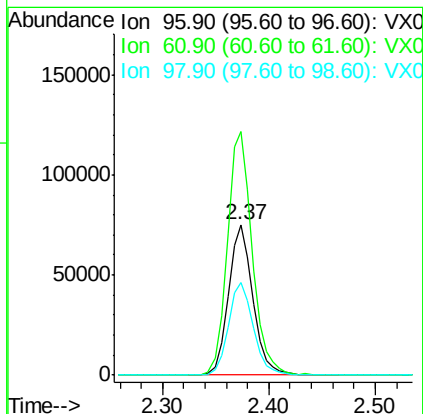
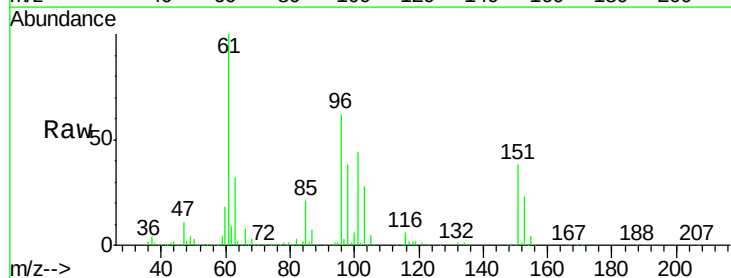
Tot Ion: 59 Resp: 175931
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

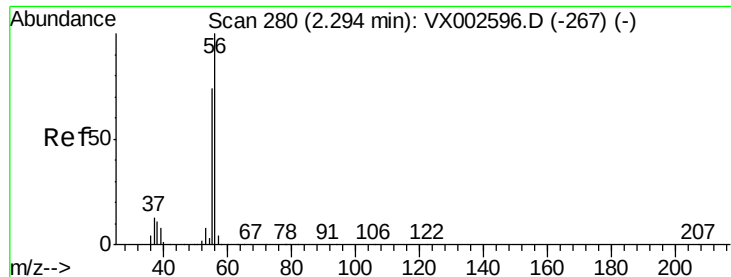


#12

1,1-Dichloroethene
 Concen: 43.46 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion: 96 Resp: 120215
 Ion Ratio Lower Upper
 96 100
 61 162.0 137.9 206.9
 98 61.3 51.6 77.4





#13

Acrolein

Concen: 183.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

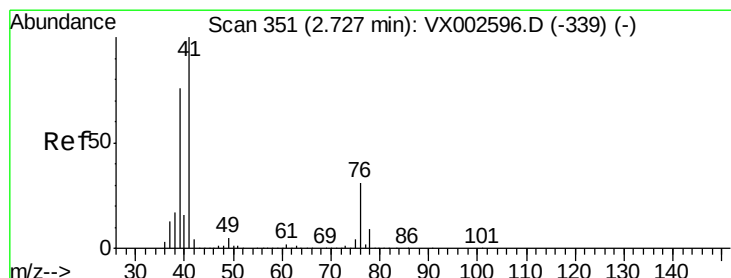
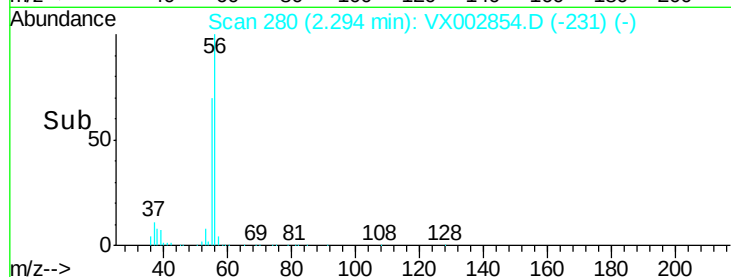
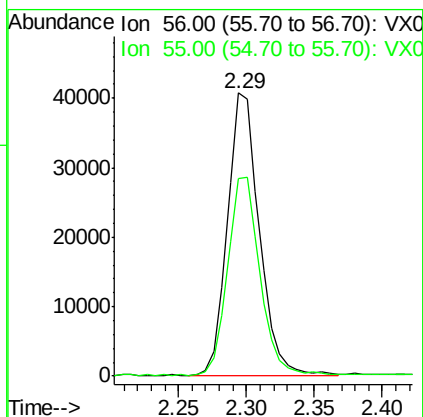
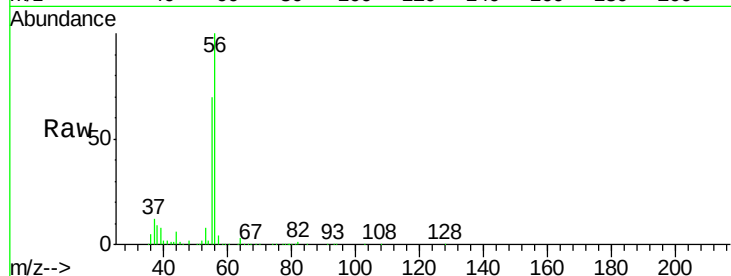
ClientSampleId :

Tot Ion: 56 Resp: 66318

Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.4



#14

Allyl chloride

Concen: 42.25 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

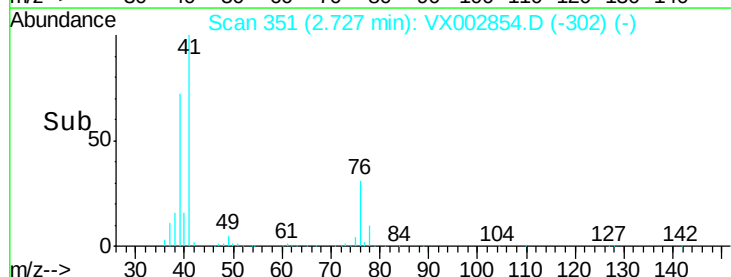
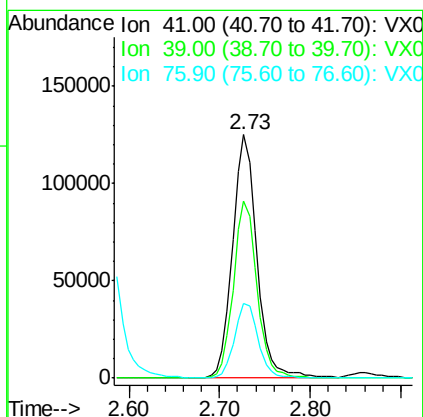
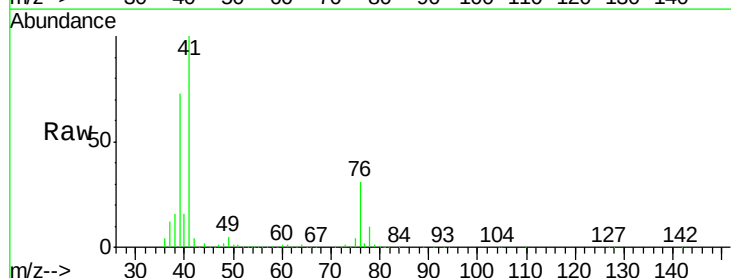
Tgt Ion: 41 Resp: 232066

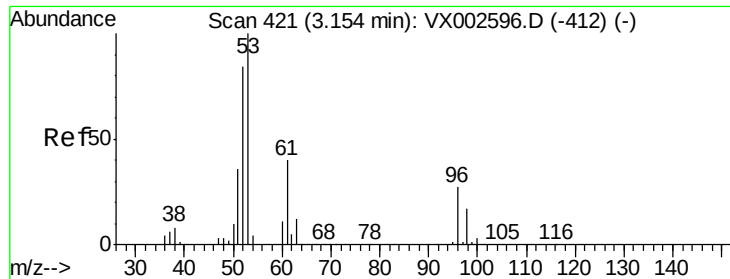
Ion Ratio Lower Upper

41 100

39 70.3 56.8 85.2

76 29.9 23.8 35.8





#15

Acrylonitrile

Concen: 217.71 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampleId :

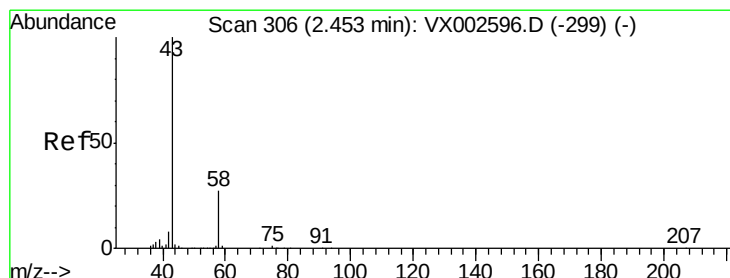
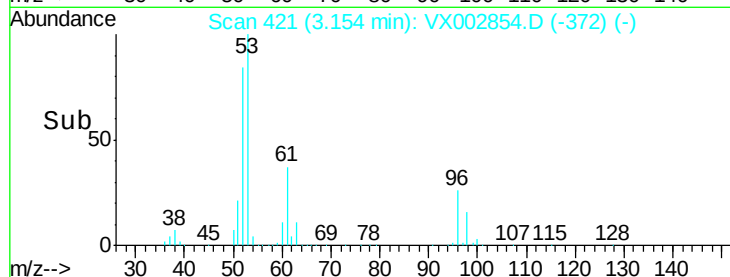
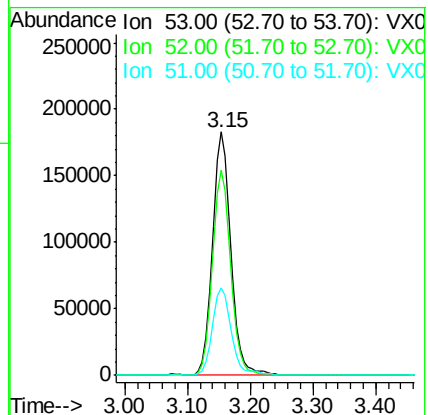
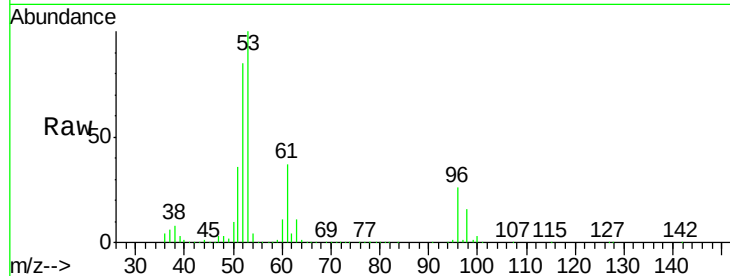
Tot Ion: 53 Resp: 369493

Ion Ratio Lower Upper

53 100

52 84.1 66.7 100.1

51 37.2 29.9 44.9



#16

Acetone

Concen: 209.08 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002854.D

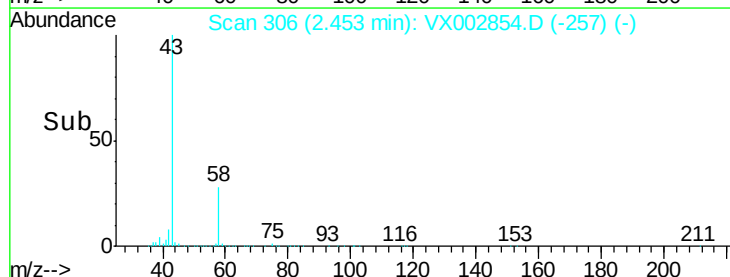
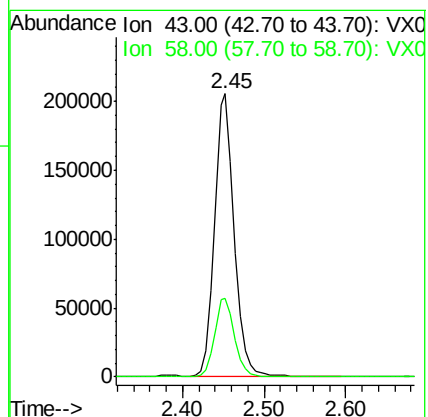
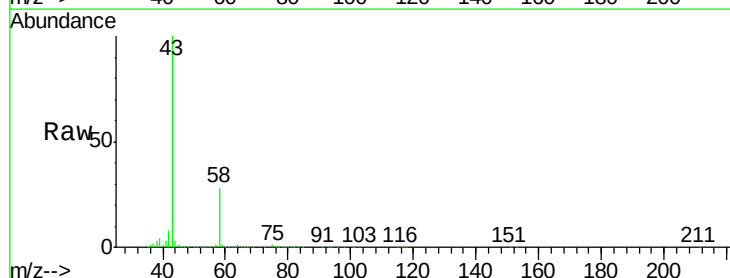
Acq: 23 Jun 2018 01:44

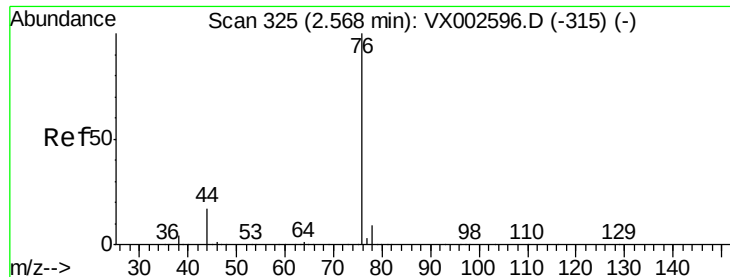
Tgt Ion: 43 Resp: 347038

Ion Ratio Lower Upper

43 100

58 27.6 22.1 33.1





#17

Carbon Disulfide

Concen: 46.66 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

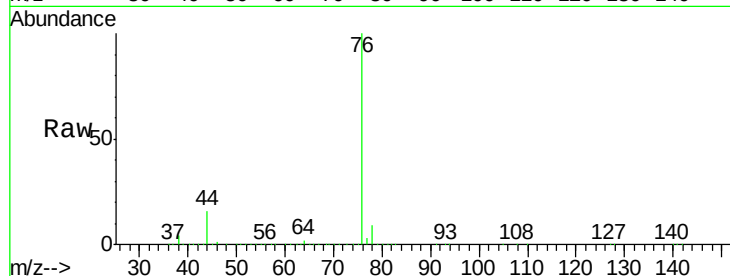
ClientSampleId :

Tot Ion: 76 Resp: 306166

Ion Ratio Lower Upper

76 100

78 8.6 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

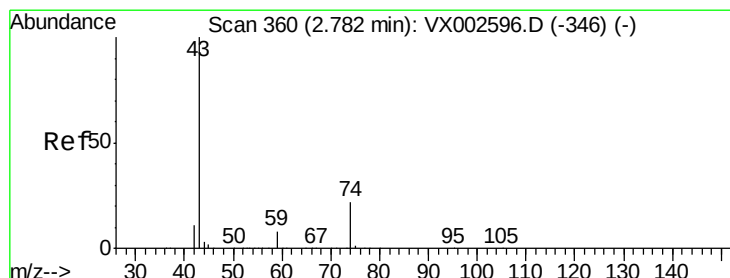
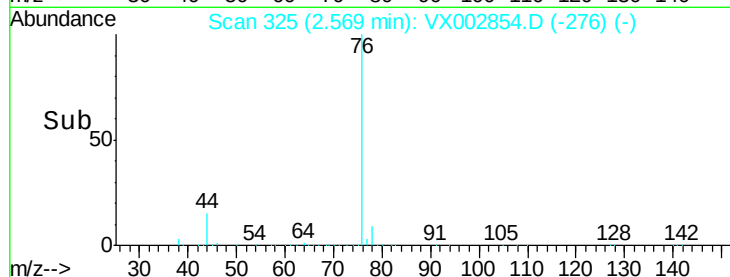
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.00 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002854.D

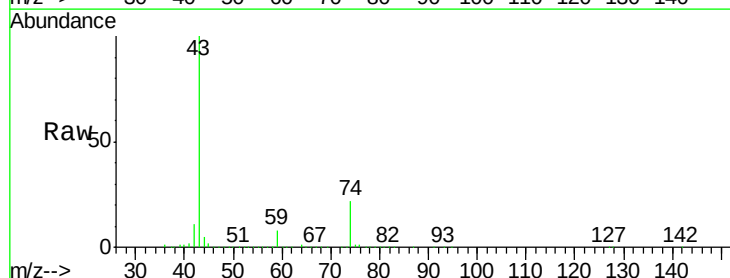
Acq: 23 Jun 2018 01:44

Tgt Ion: 43 Resp: 212264

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

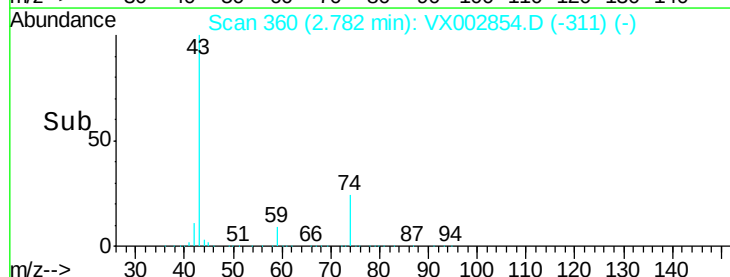
2.78

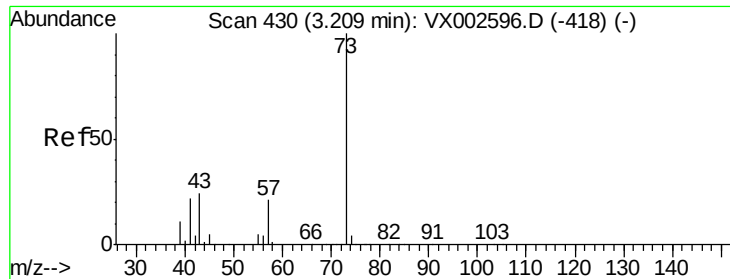
100000

50000

0

Time-->

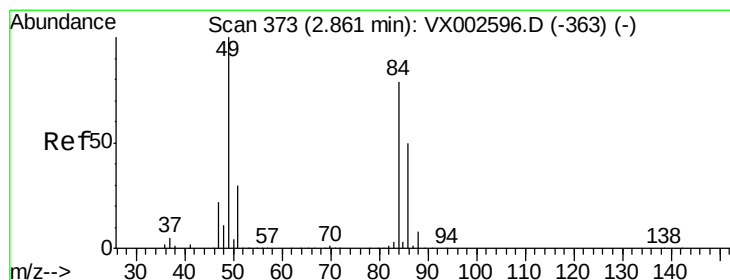
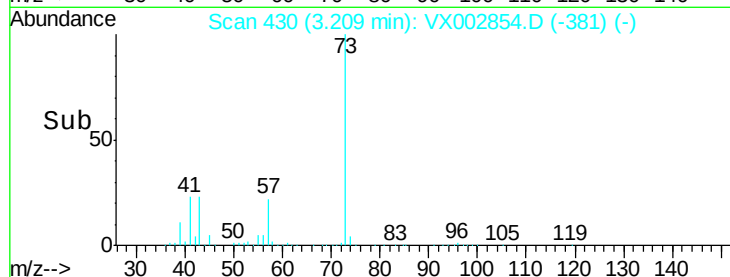
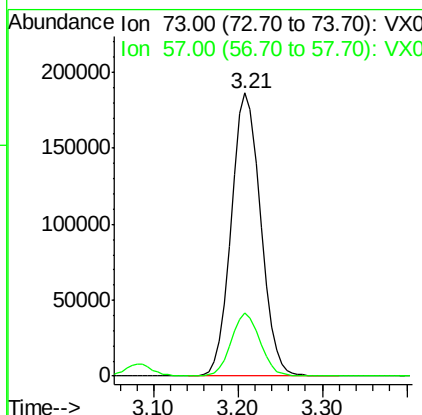
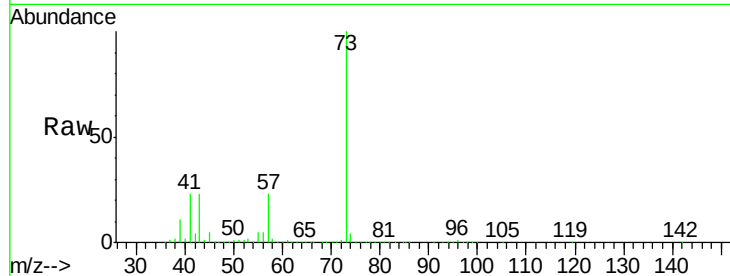




#19
Methyl tert-butyl Ether
Concen: 42.40 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

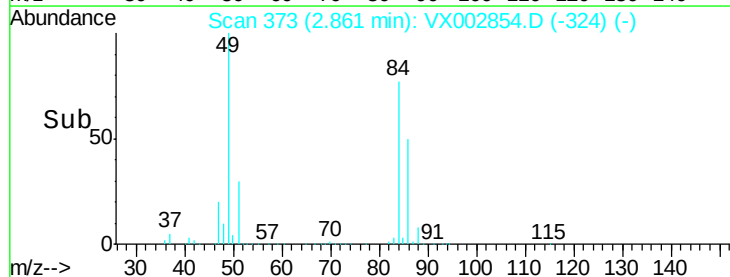
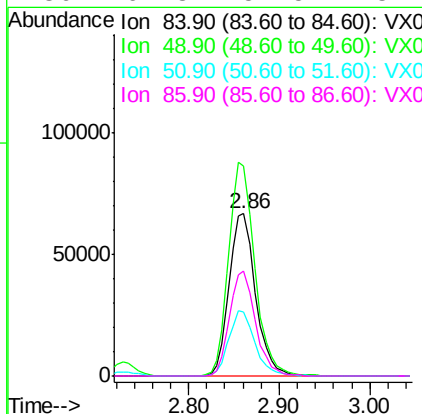
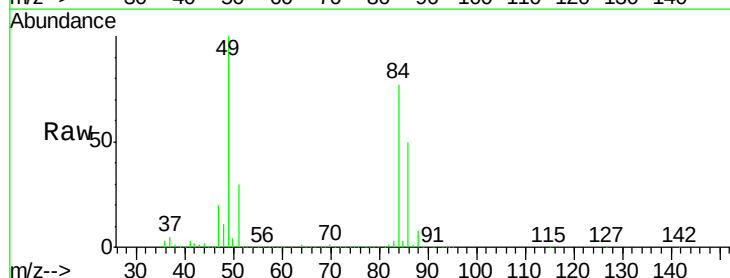
Instrument :
MSVOA_X
ClientSampleId :

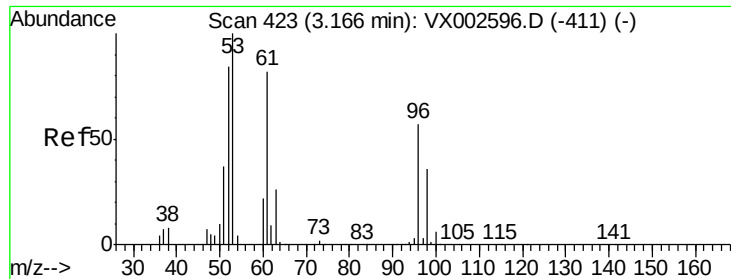
Tot Ion: 73 Resp: 439999
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5



#20
Methylene Chloride
Concen: 39.73 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 84 Resp: 135214
Ion Ratio Lower Upper
84 100
49 129.4 107.8 161.6
51 39.0 32.8 49.2
86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 42.31 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

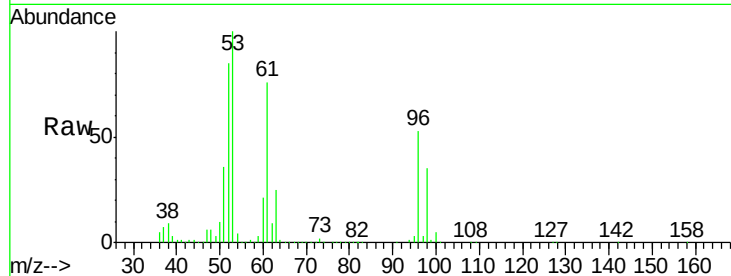
Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 126987

Ion	Ratio	Lower	Upper
96	100		
61	142.6	117.0	175.4
98	65.6	52.4	78.6

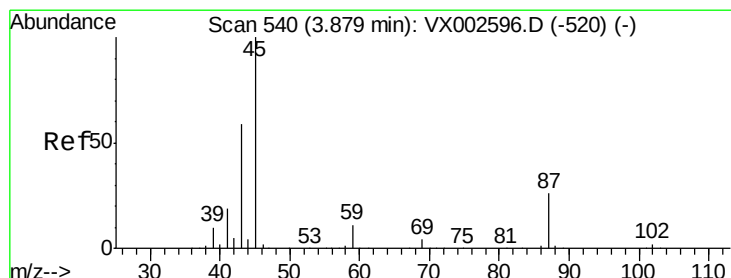
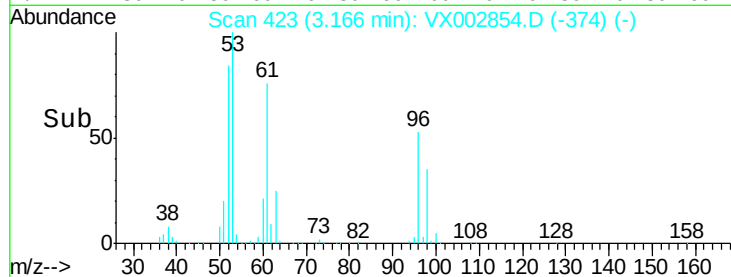
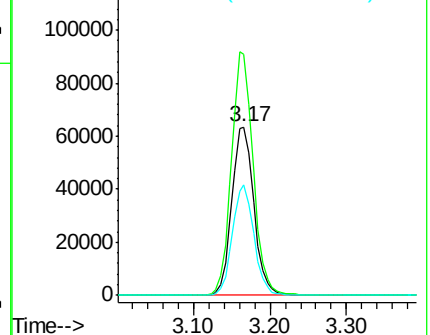


Abundance

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: 45.95 ug/l

RT: 3.88 min Scan# 540

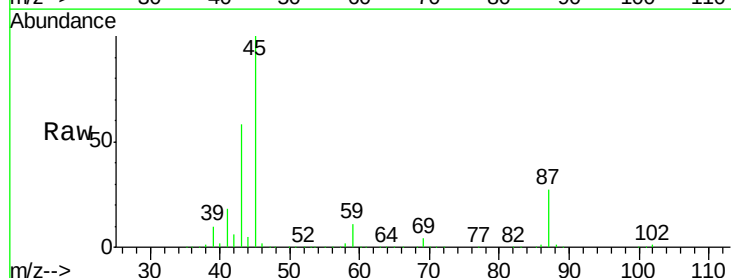
Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Tgt Ion: 45 Resp: 456579

Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.8	70.2
87	26.7	20.2	30.4
59	11.2	8.7	13.1



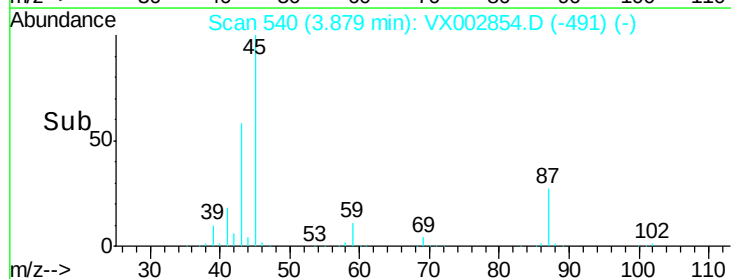
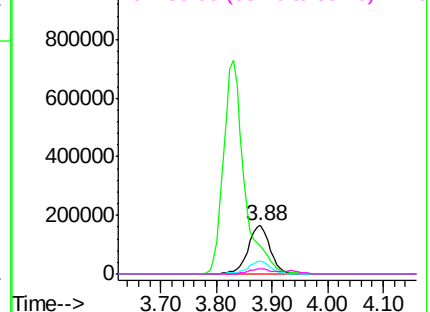
Abundance

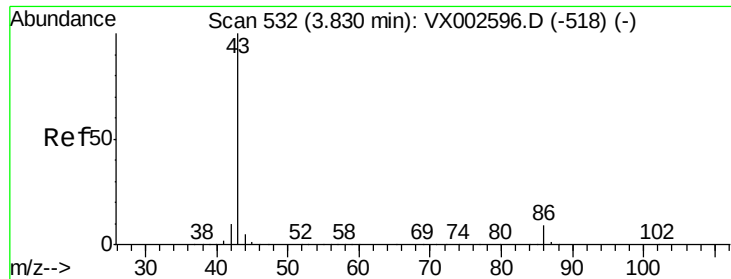
Ion 45.00 (44.70 to 45.70): VX0

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: 228.64 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

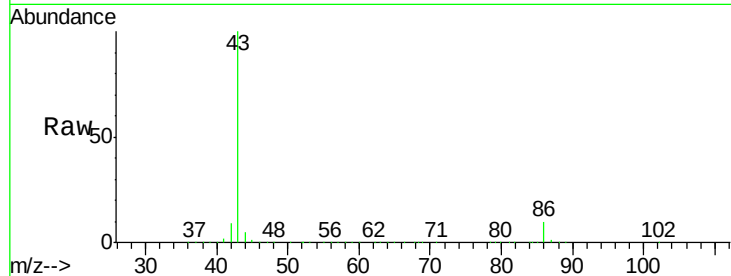
ClientSampleId :

Tot Ion: 43 Resp: 1901669

Ion Ratio Lower Upper

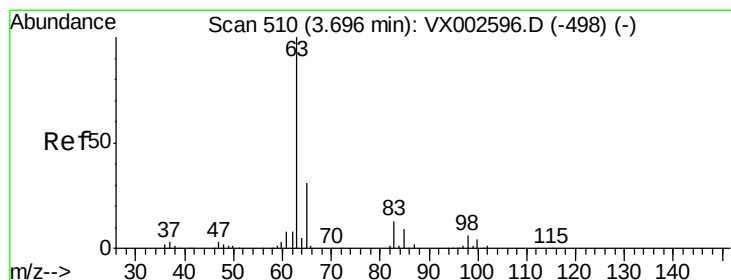
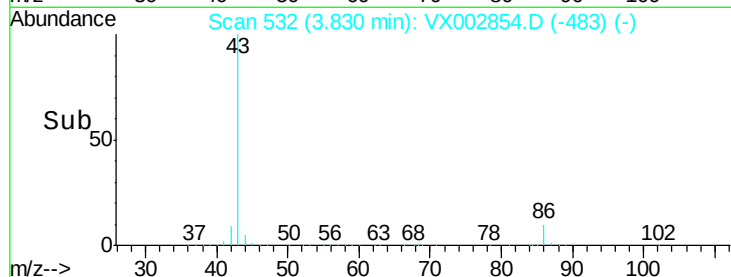
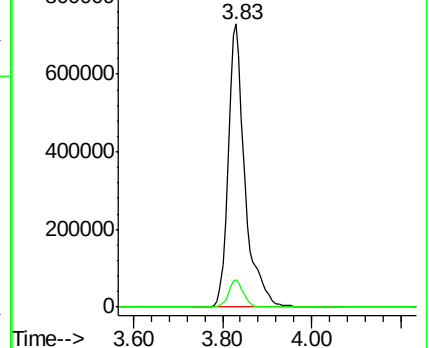
43 100

86 9.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 44.54 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

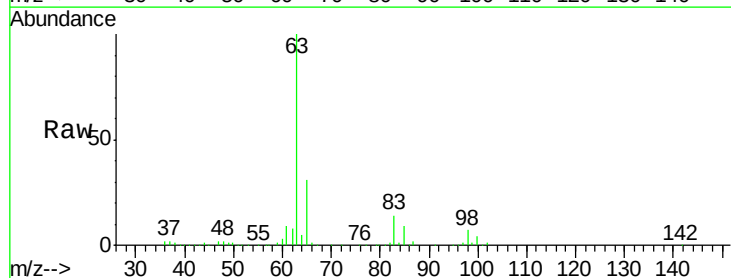
Tgt Ion: 63 Resp: 240252

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

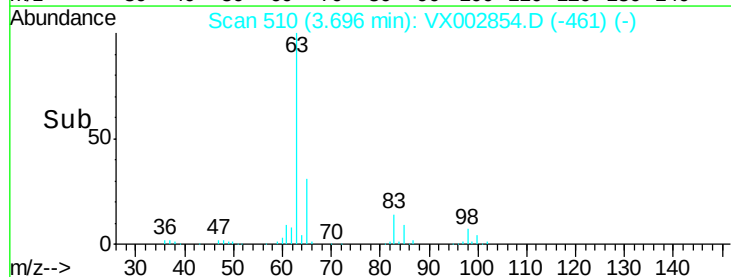
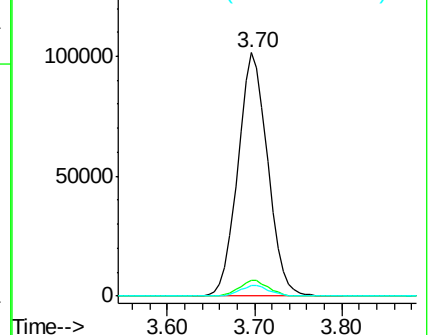
100 4.2 2.0 6.0

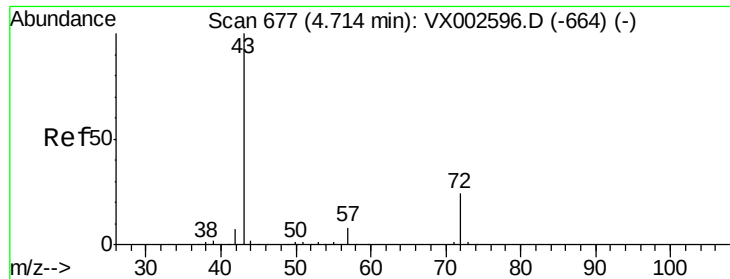


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 241.80 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

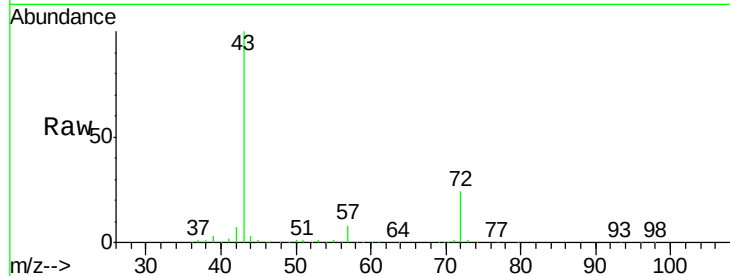
ClientSampleId :

Tot Ion: 43 Resp: 527090

Ion Ratio Lower Upper

43 100

72 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

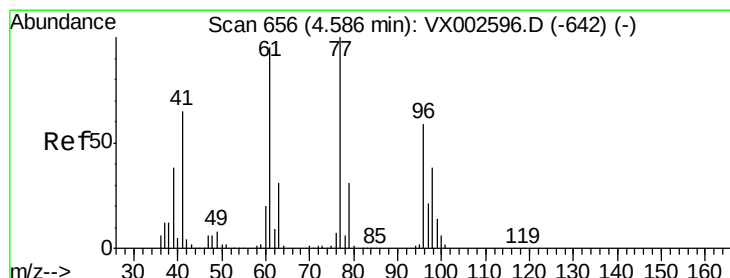
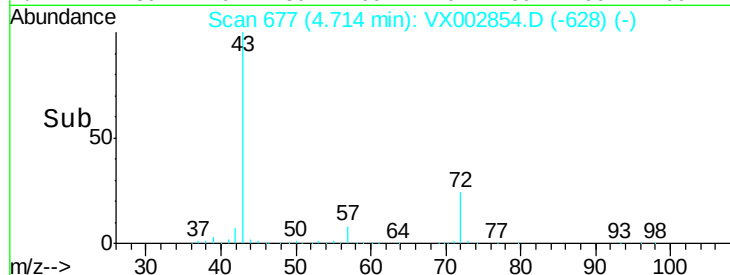
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.03 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002854.D

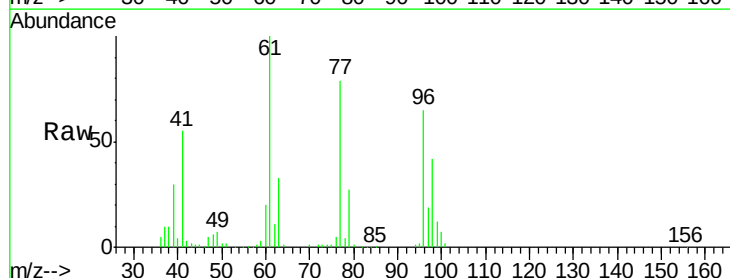
Acq: 23 Jun 2018 01:44

Tgt Ion: 77 Resp: 147376

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

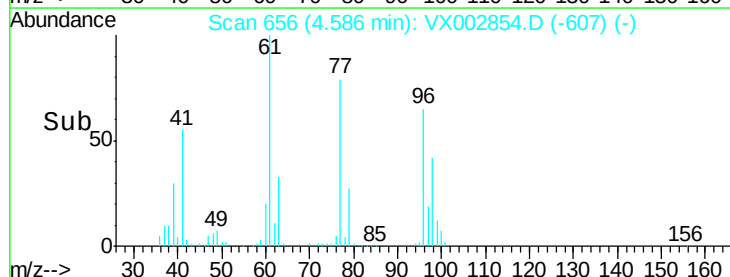
30000

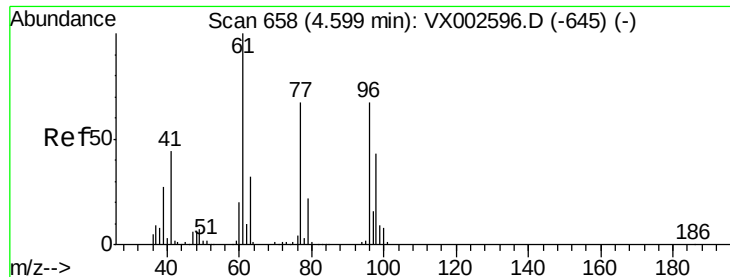
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.22 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampled :

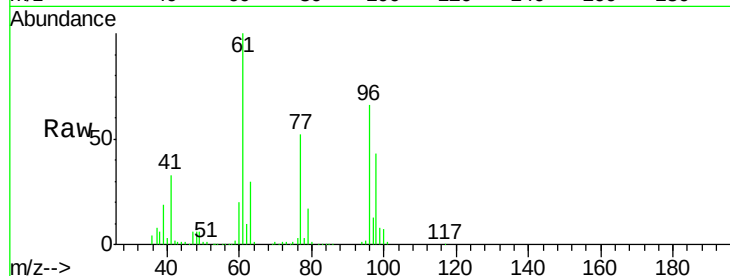
Tot Ion: 96 Resp: 144192

Ion Ratio Lower Upper

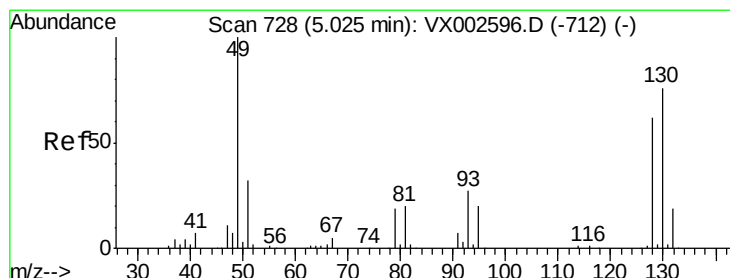
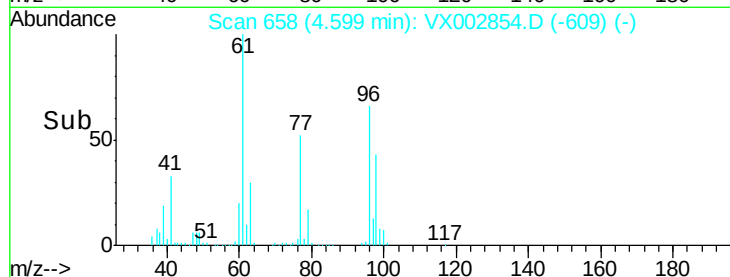
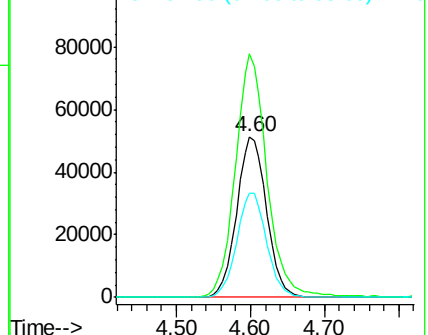
96 100

61 161.2 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: 43.04 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

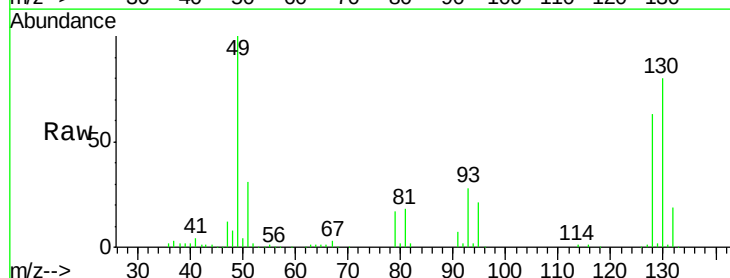
Tgt Ion: 49 Resp: 108717

Ion Ratio Lower Upper

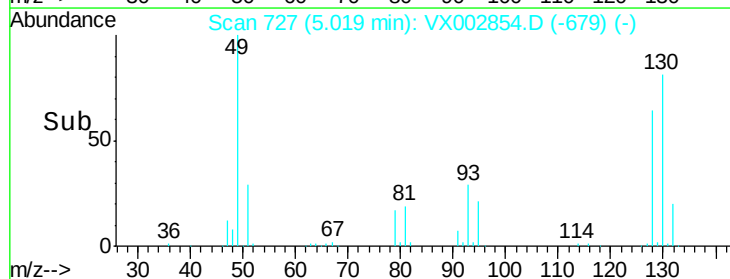
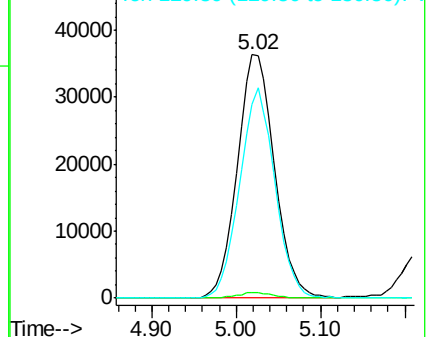
49 100

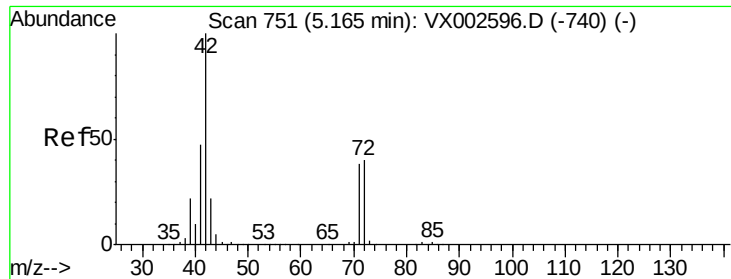
129 2.3 0.0 4.2

130 81.8 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

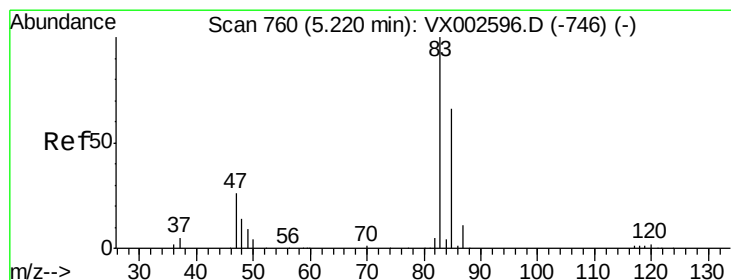
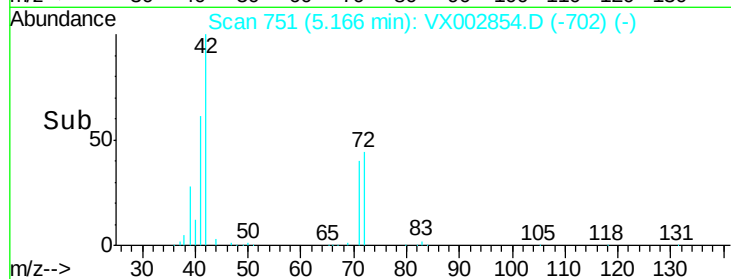
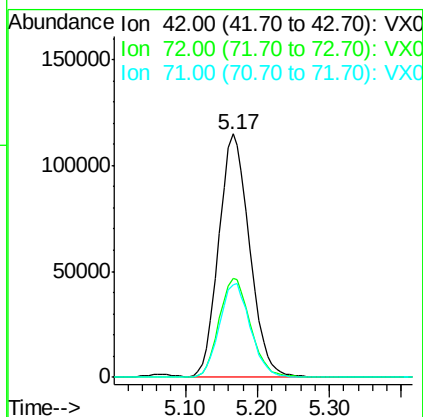
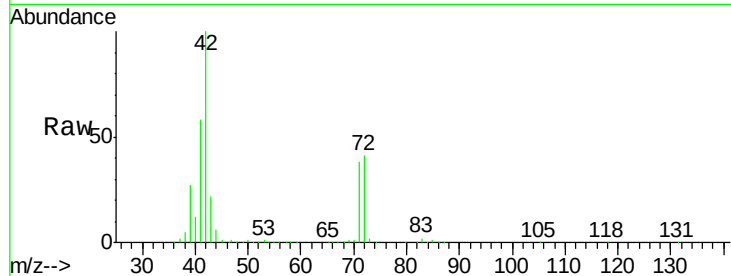




#29
Tetrahydrofuran
Concen: 238.51 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

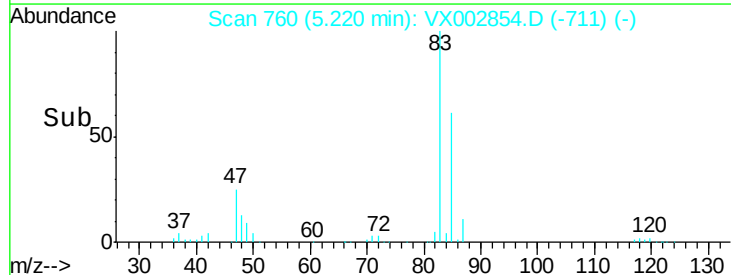
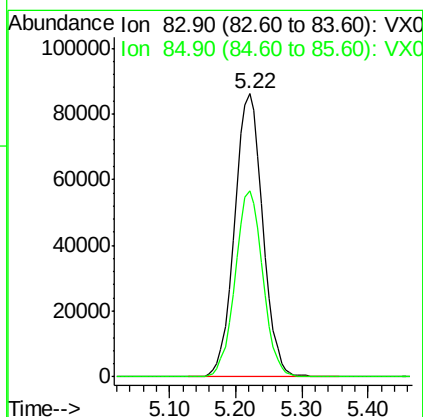
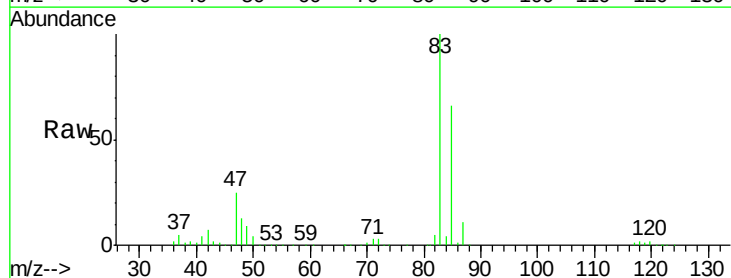
Instrument :
MSVOA_X
ClientSampled :

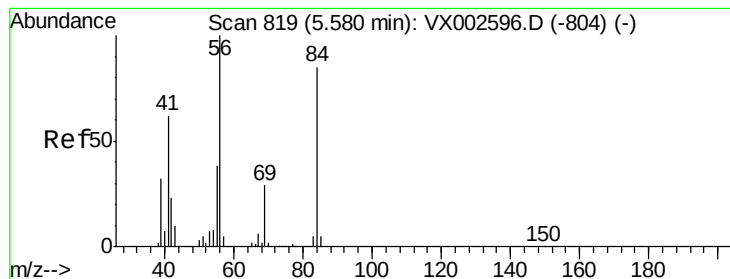
Tot Ion: 42 Resp: 340737
Ion Ratio Lower Upper
42 100
72 41.6 32.0 48.0
71 38.8 30.1 45.1



#30
Chloroform
Concen: 48.83 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 83 Resp: 253948
Ion Ratio Lower Upper
83 100
85 65.7 50.4 75.6





#31

Cyclohexane

Concen: 46.57 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

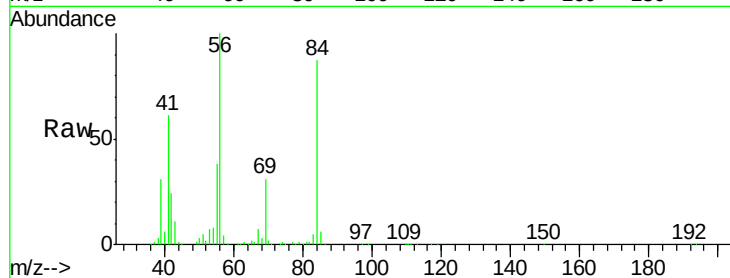
Tot Ion: 56 Resp: 206821

Ion Ratio Lower Upper

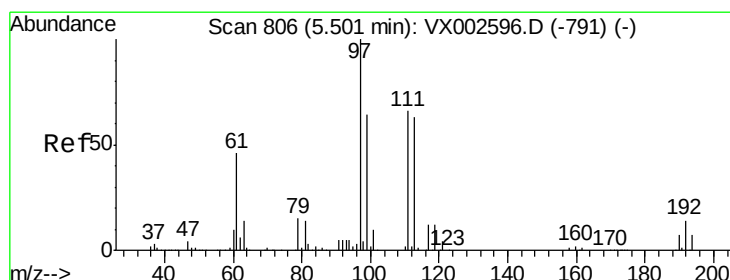
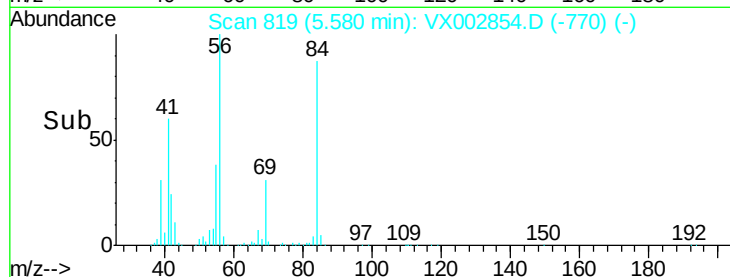
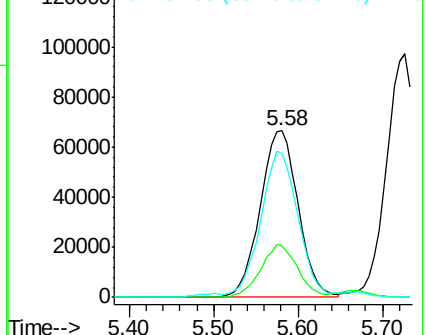
56 100

69 30.9 23.7 35.5

84 86.1 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 51.72 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

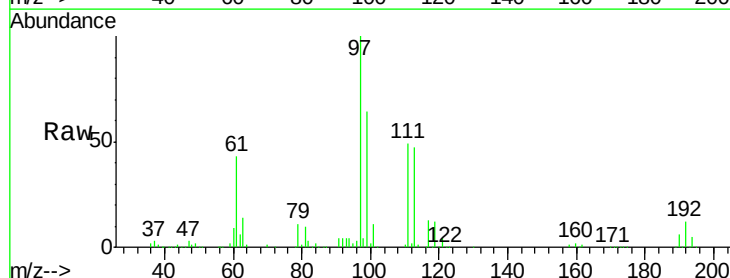
Tgt Ion: 97 Resp: 224966

Ion Ratio Lower Upper

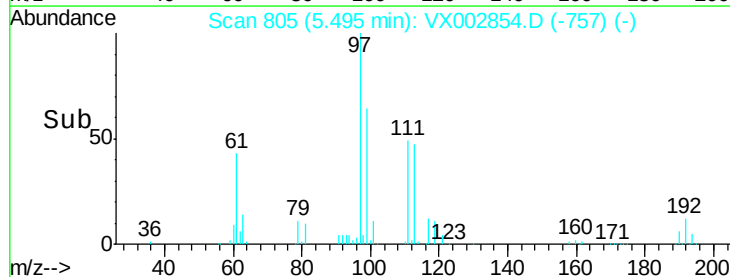
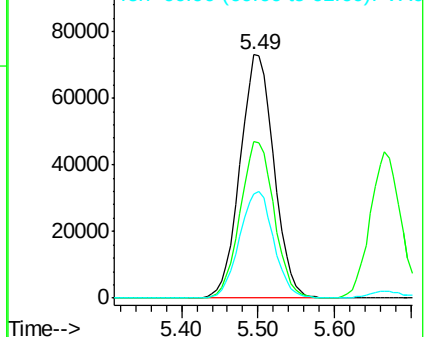
97 100

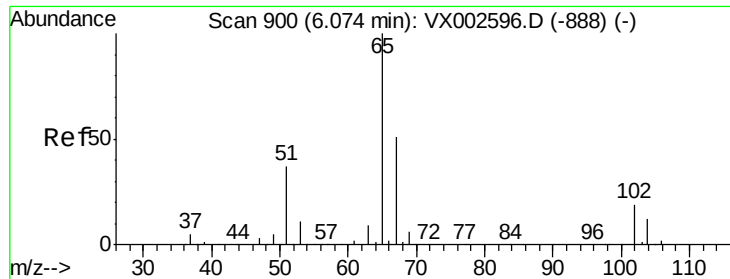
99 64.3 51.6 77.4

61 44.3 36.4 54.6



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

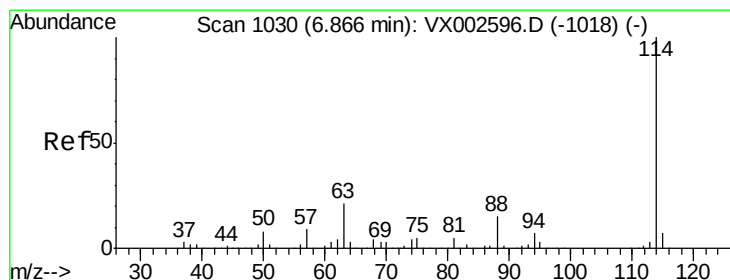
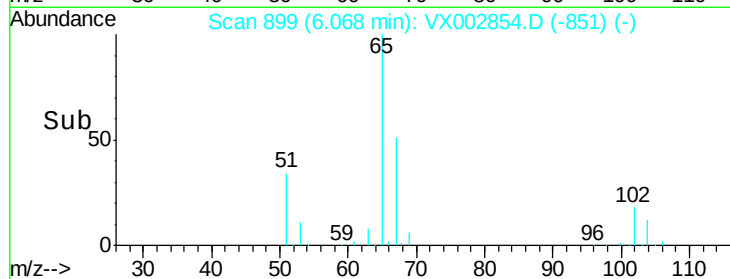
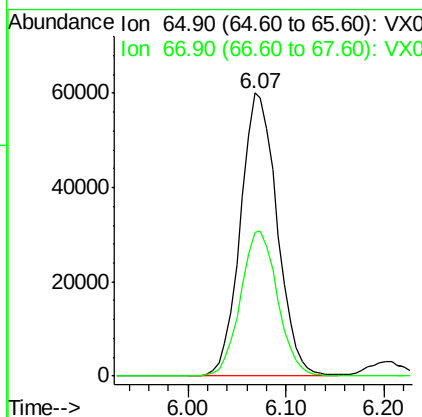
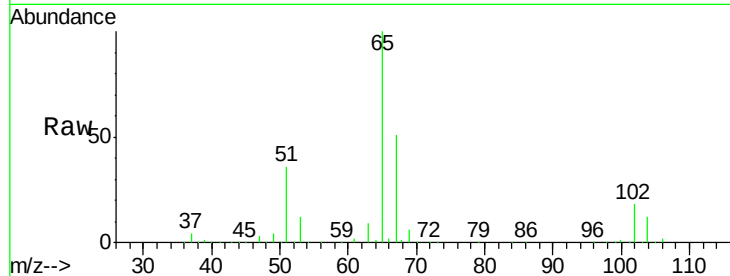




#33
 1,2-Dichloroethane-d4
 Concen: 41.47 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

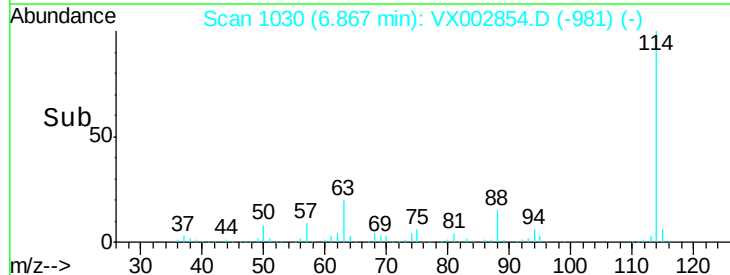
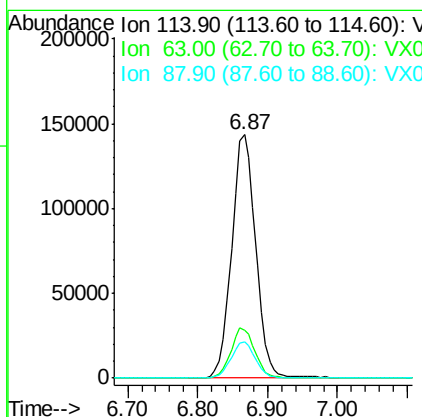
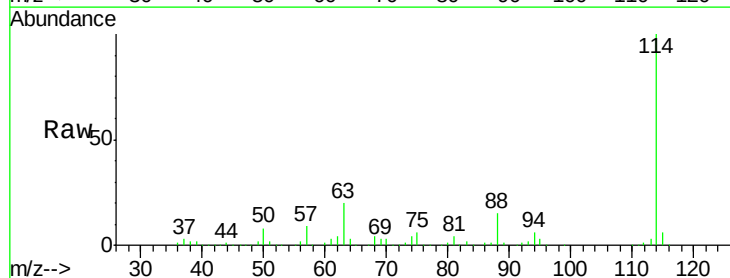
Instrument :
 MSVOA_X
 ClientSampleId :

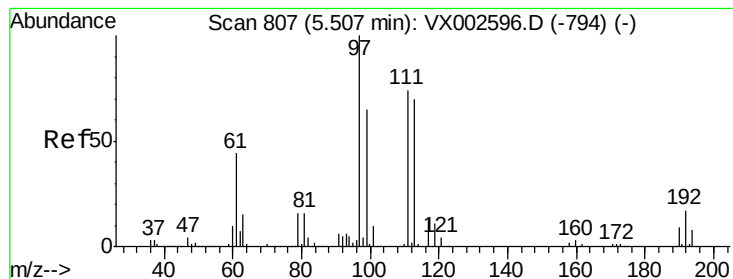
Tot Ion: 65 Resp: 156026
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion: 114 Resp: 342287
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.27 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

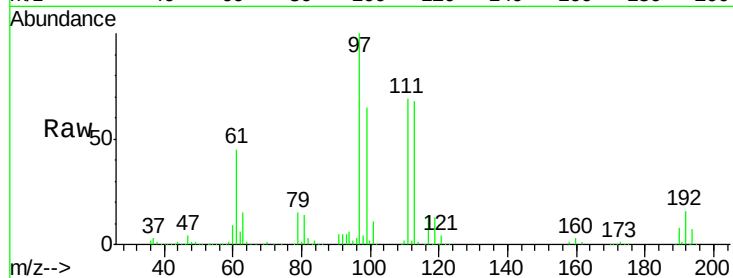
Tot Ion:113 Resp: 126411

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

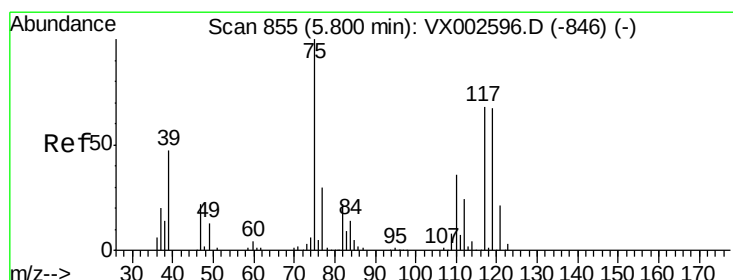
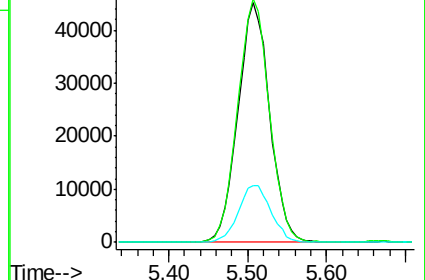
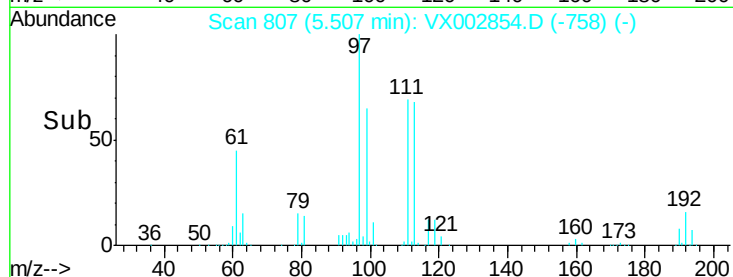
192 24.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.78 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

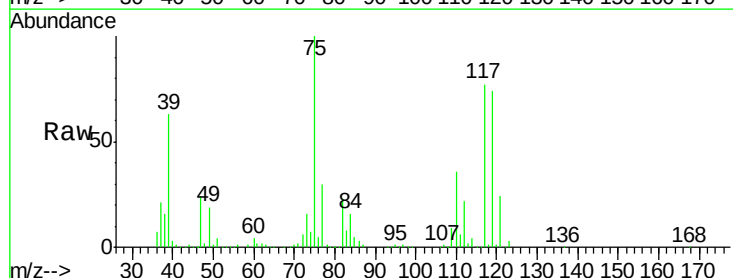
Tgt Ion: 75 Resp: 180979

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.4

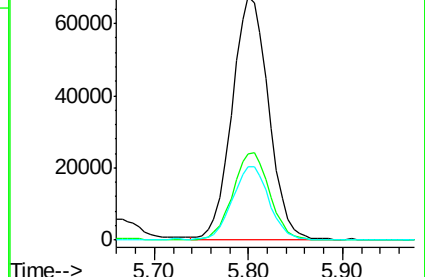
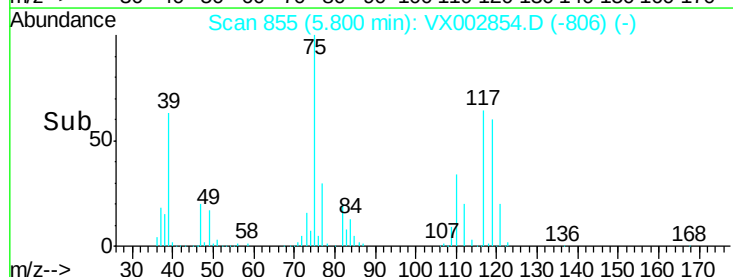
77 30.2 24.3 36.5

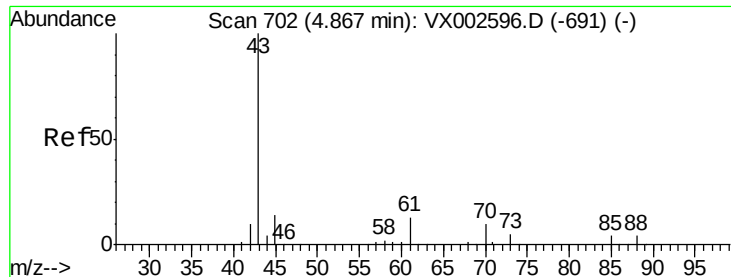


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

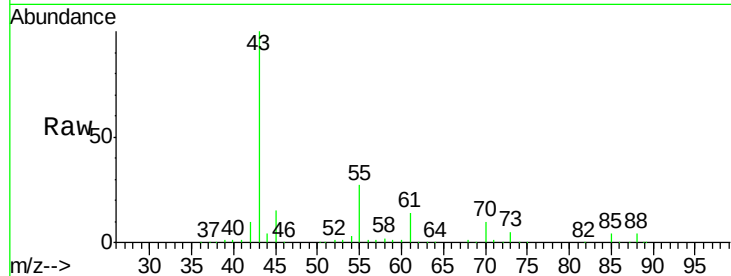




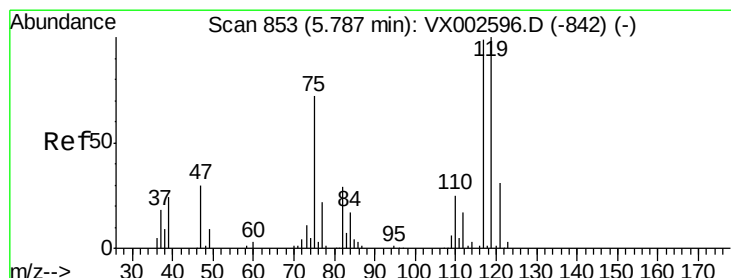
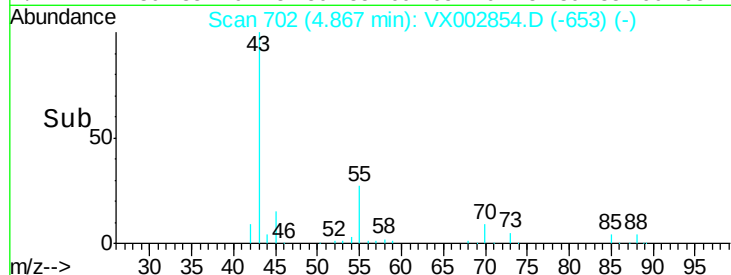
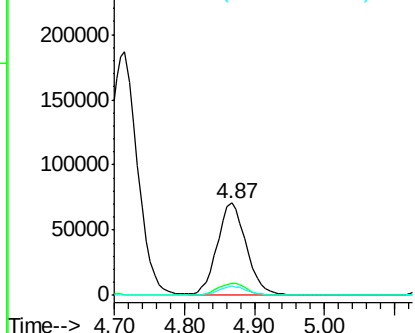
#37
Ethyl Acetate
Concen: 49.64 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 204251
Ion Ratio Lower Upper
43 100
61 12.8 10.4 15.6
70 9.9 7.6 11.4

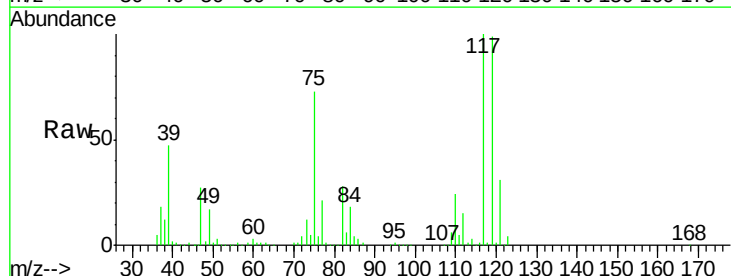


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

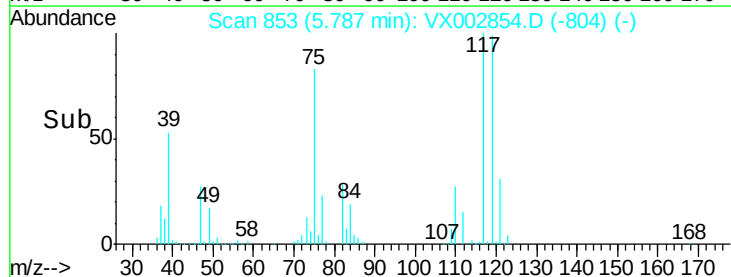
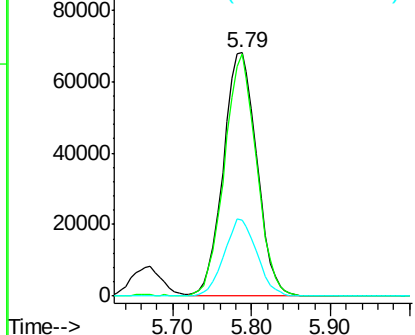


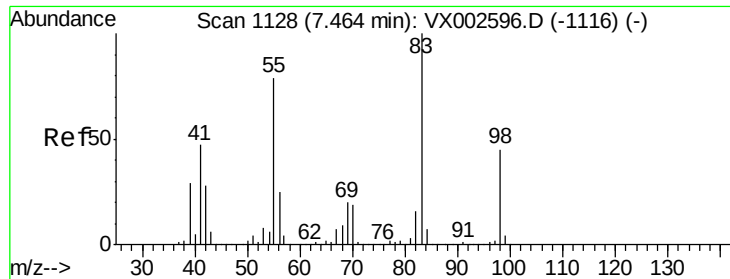
#38
Carbon Tetrachloride
Concen: 55.63 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 117 Resp: 201391
Ion Ratio Lower Upper
117 100
119 99.3 77.4 116.0
121 30.9 24.4 36.6



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

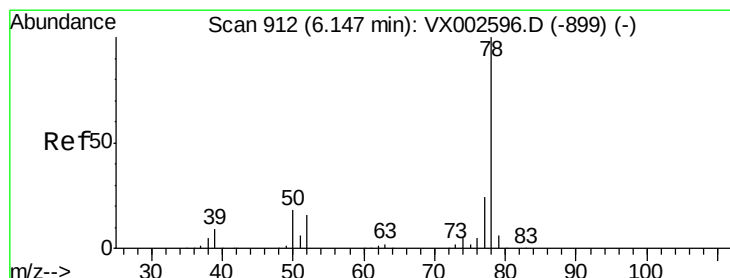
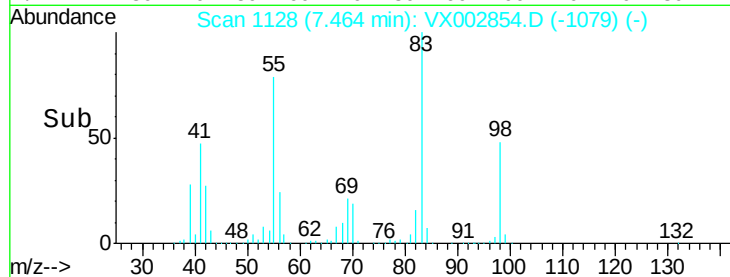
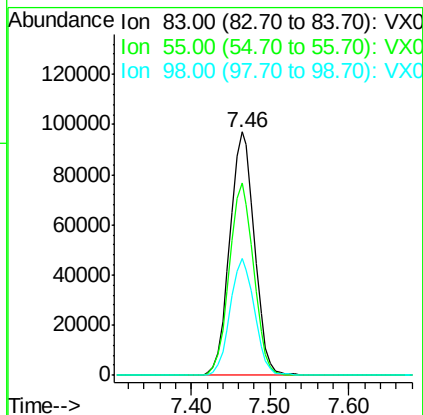
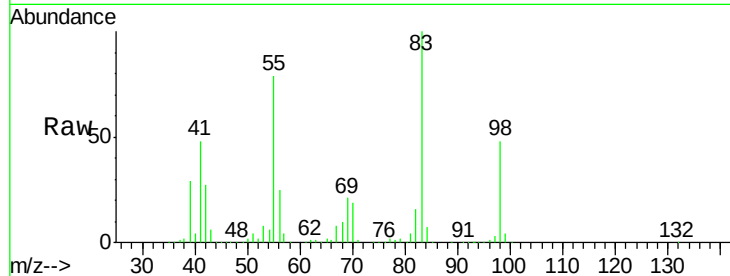




#39
Methylvlcyclohexane
Concen: 49.72 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

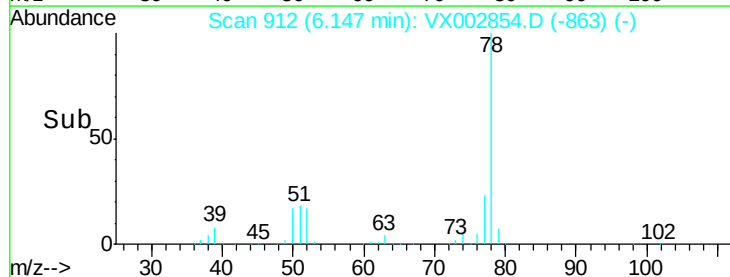
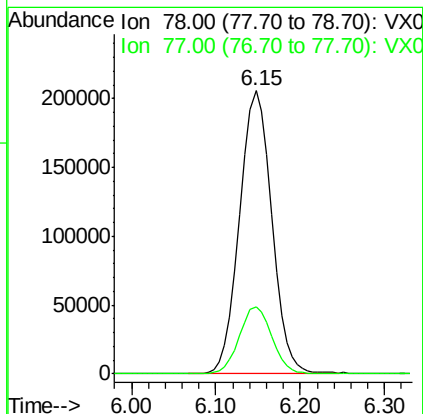
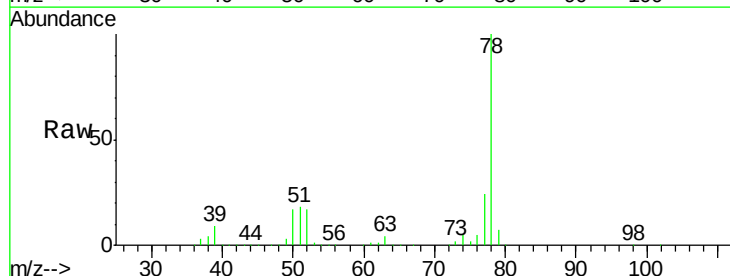
Instrument :
MSVOA_X
ClientSampleId :

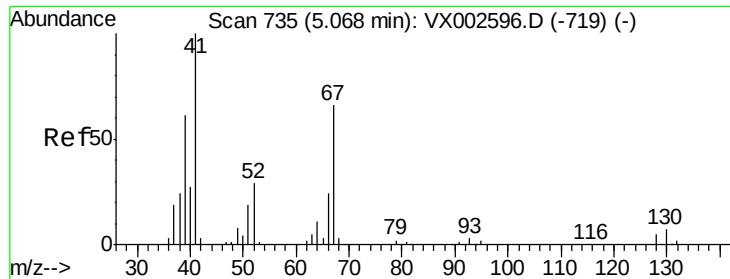
Tot Ion: 83 Resp: 211299
Ion Ratio Lower Upper
83 100
55 78.7 65.4 98.0
98 47.9 37.4 56.0



#40
Benzene
Concen: 48.98 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 78 Resp: 533890
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

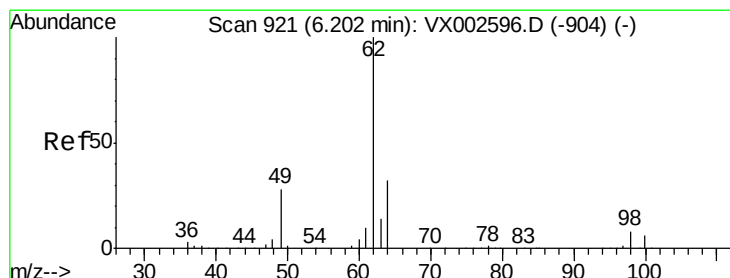
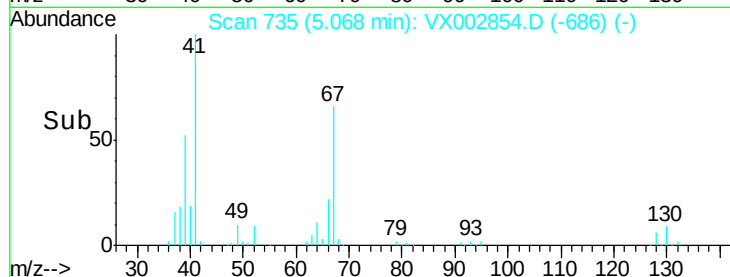
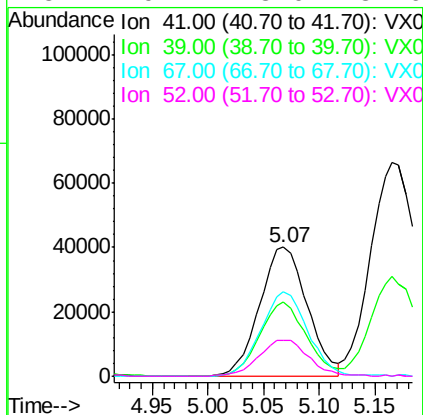
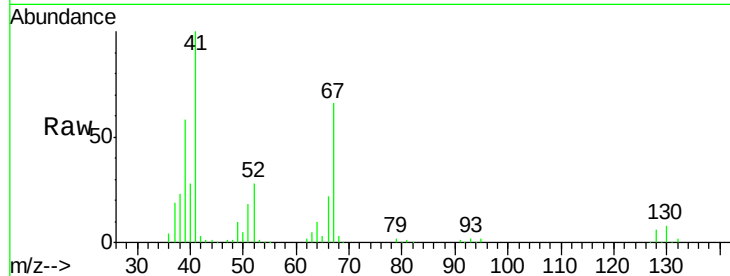




#41
Methacrylonitrile
Concen: 51.02 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

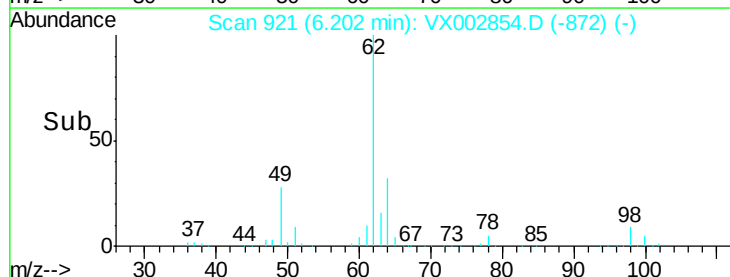
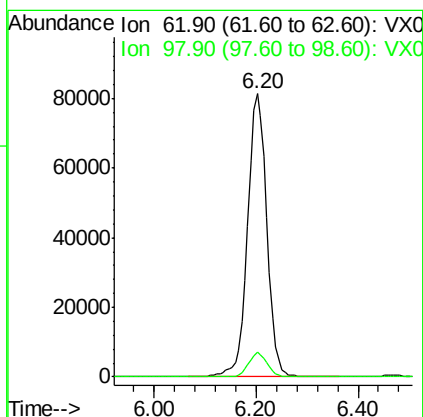
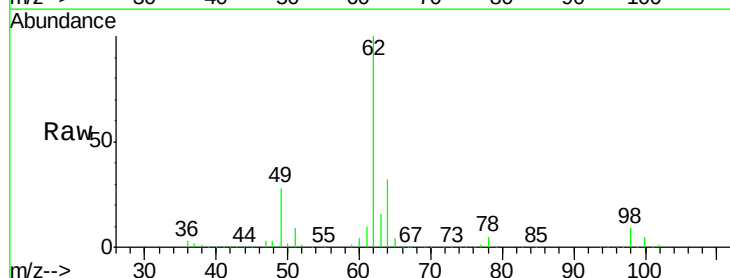
Instrument :
MSVOA_X
ClientSampled :

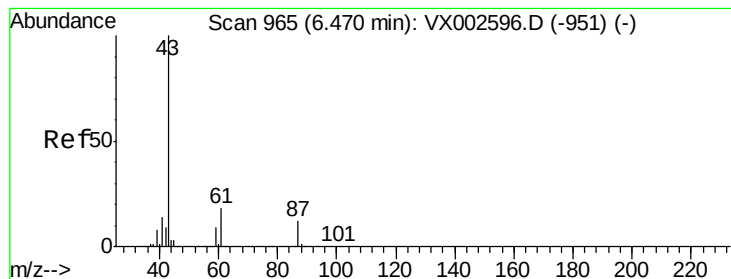
Tot Ion:	41	Resp:	118528
Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.8	68.6
67	65.2	51.3	76.9
52	29.2	23.0	34.6



#42
1,2-Dichloroethane
Concen: 50.39 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion:	62	Resp:	212671
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



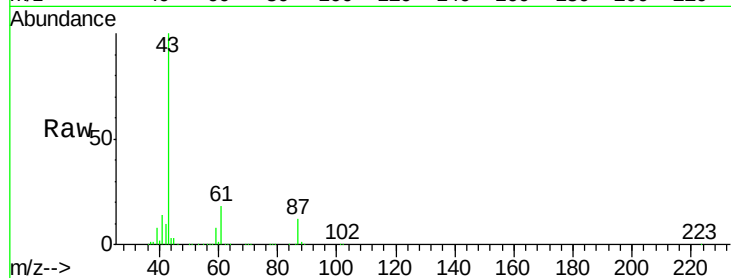


#43

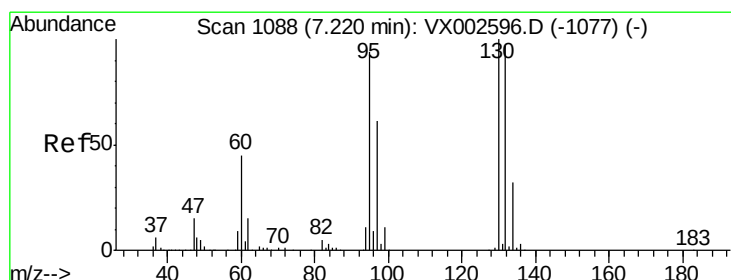
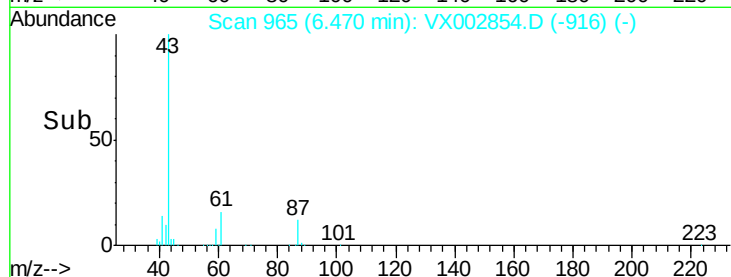
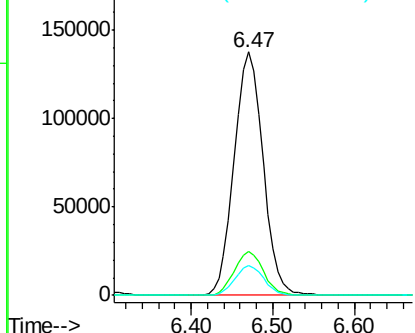
Isopropyl Acetate
 Concen: 49.39 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	12.2	9.5	14.3



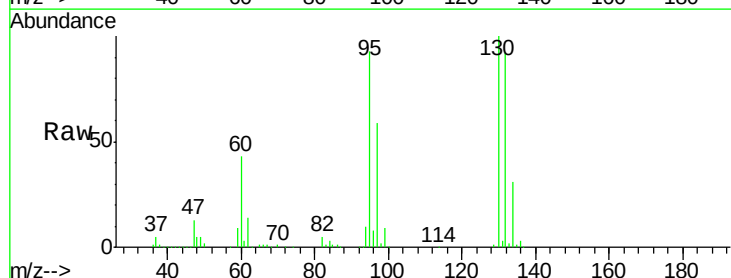
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



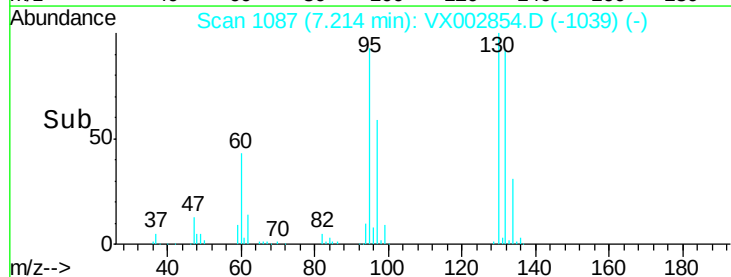
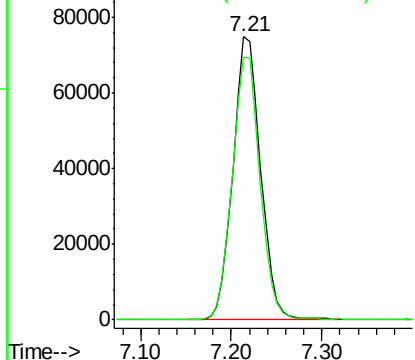
#44

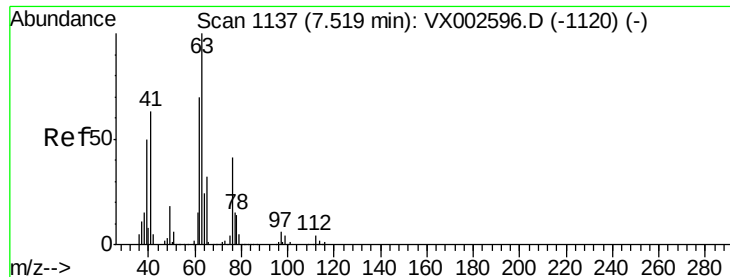
Trichloroethene
 Concen: 50.37 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.4



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

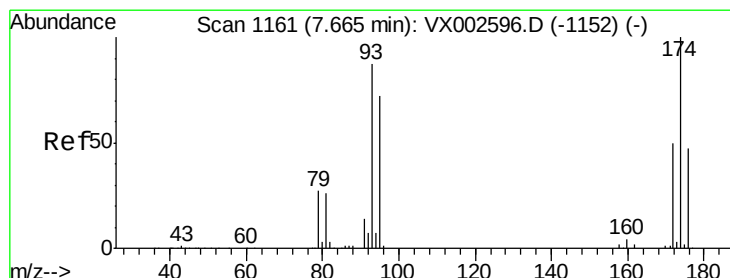
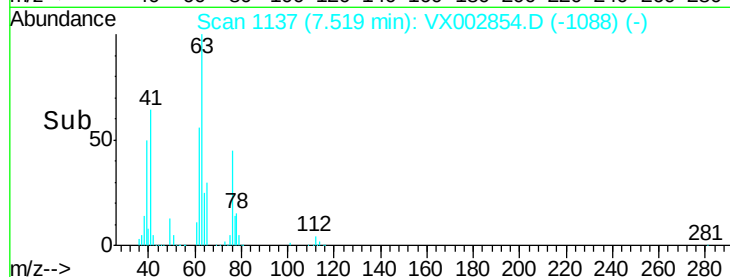
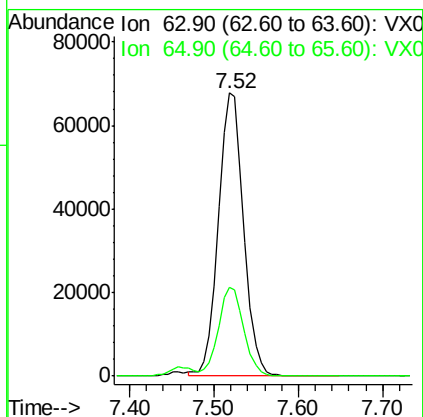
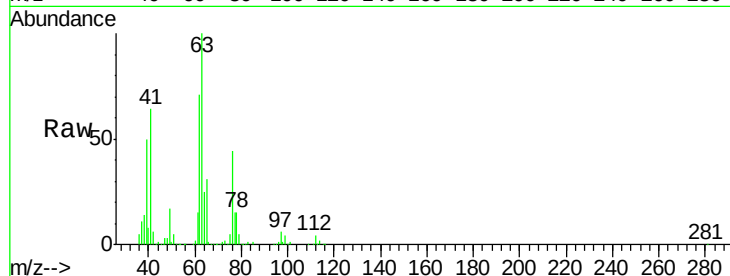




#45
 1,2-Dichloropropane
 Concen: 48.82 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

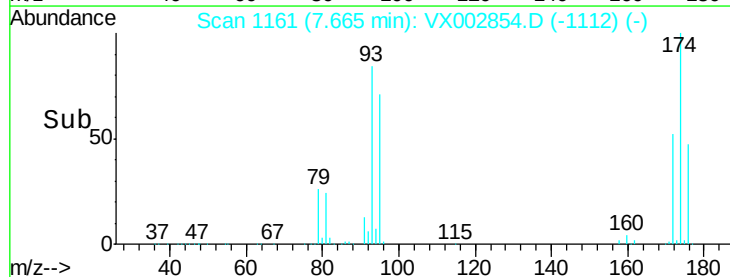
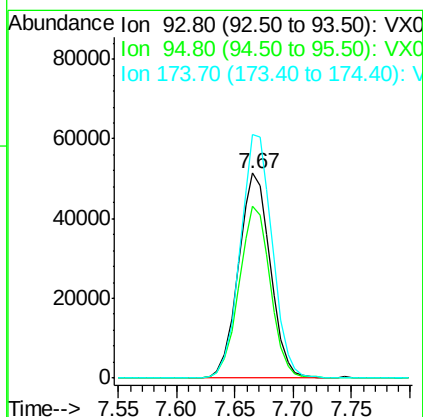
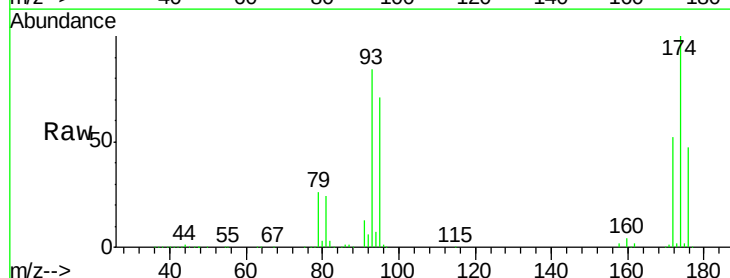
Instrument :
 MSVOA_X
 ClientSampleId :

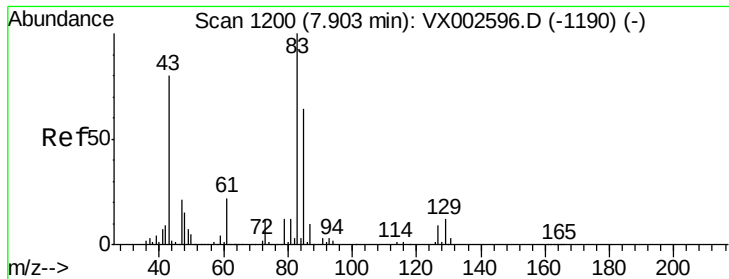
Tot Ion: 63 Resp: 140060
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 51.08 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion: 93 Resp: 98020
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.9 98.9
 174 119.5 92.4 138.6





#47

Bromodichloromethane

Concen: 55.16 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampled :

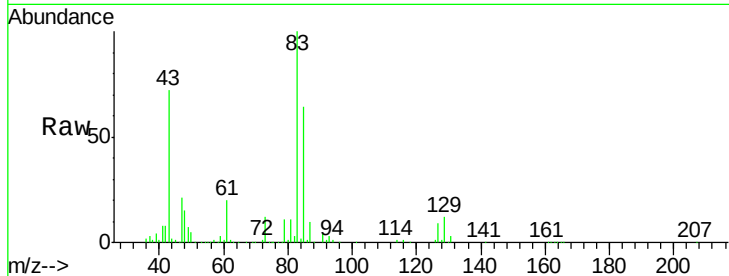
Tot Ion: 83 Resp: 186705

Ion Ratio Lower Upper

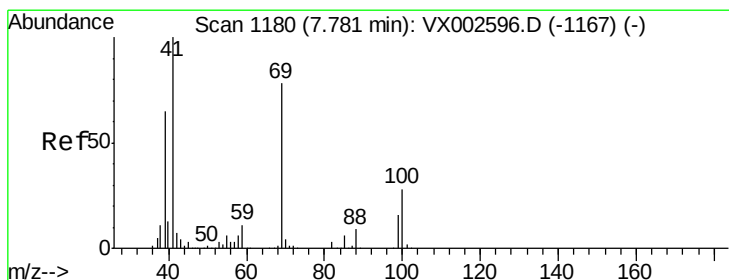
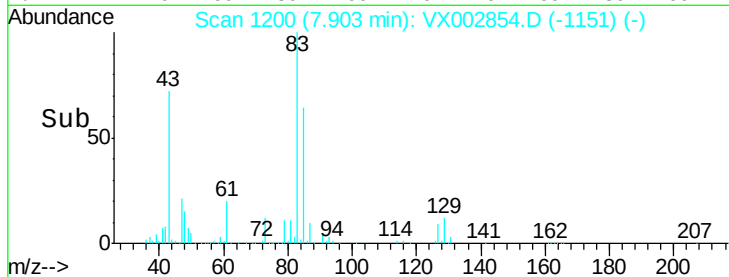
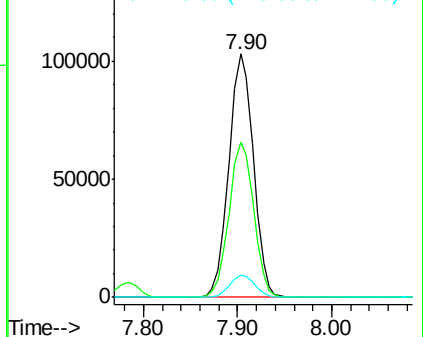
83 100

85 63.7 50.3 75.5

127 9.1 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: 50.75 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

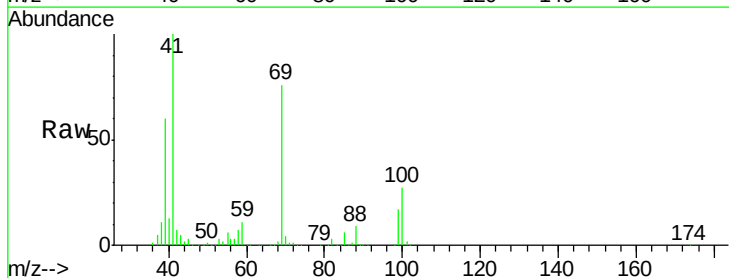
Tgt Ion: 41 Resp: 176813

Ion Ratio Lower Upper

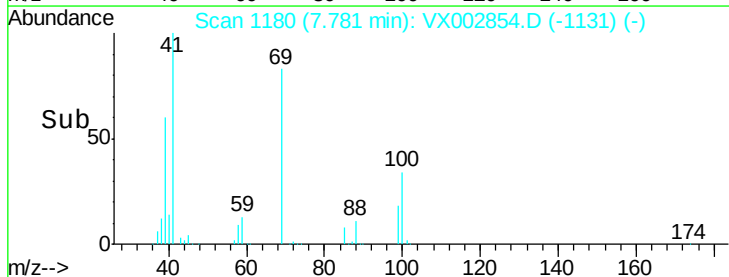
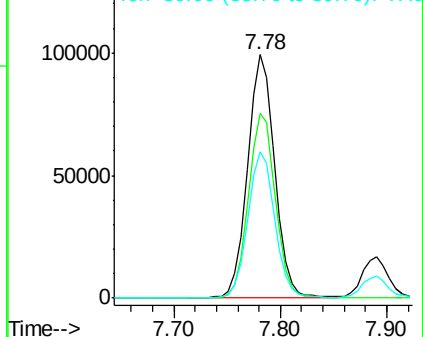
41 100

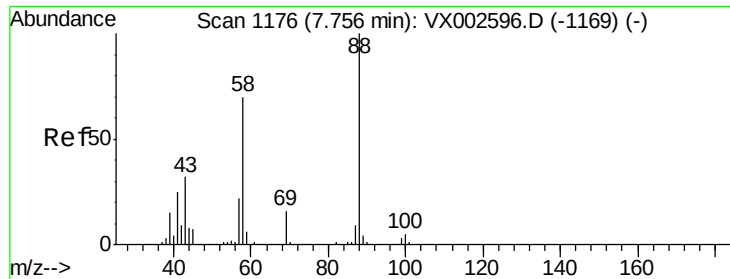
69 76.3 59.1 88.7

39 59.9 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

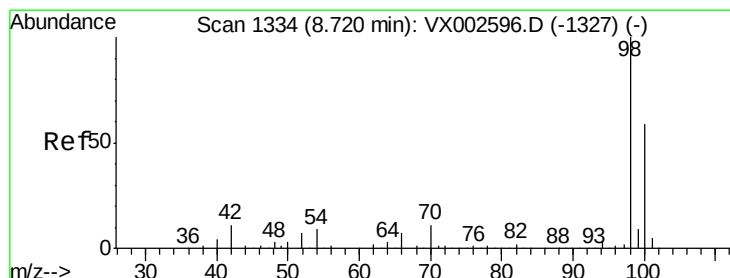
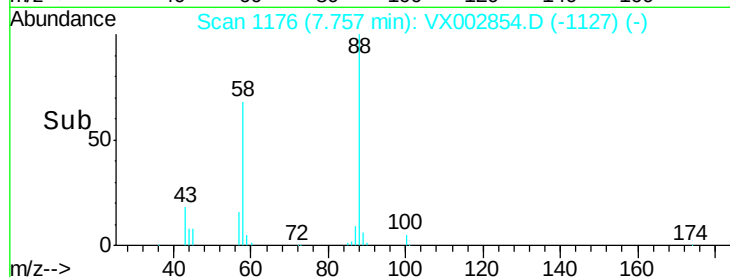
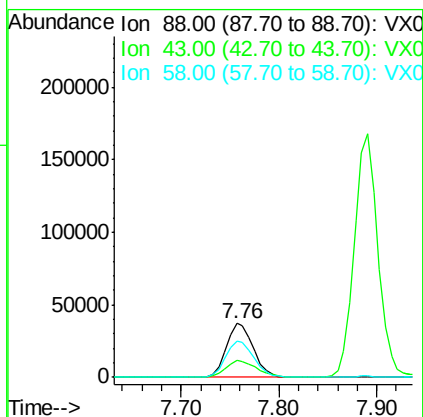
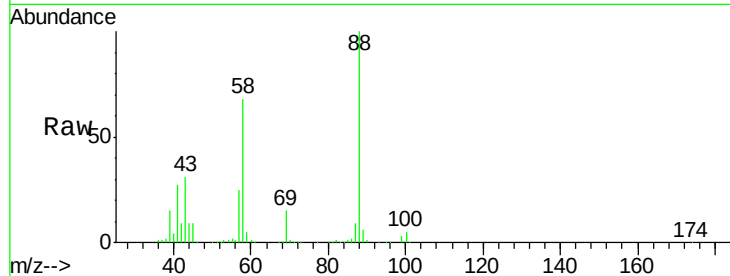




#49
1,4-Dioxane
Concen: 1071.27 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

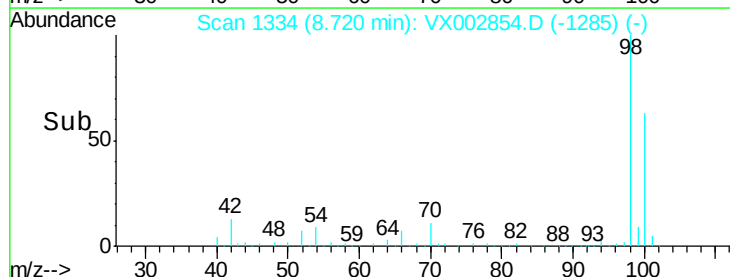
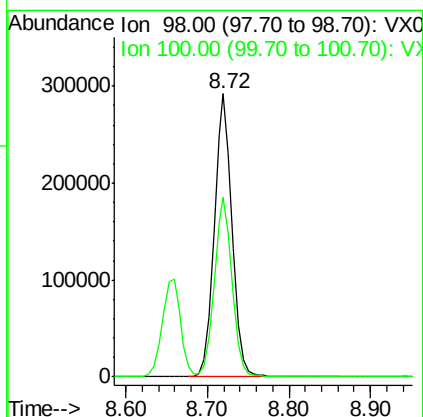
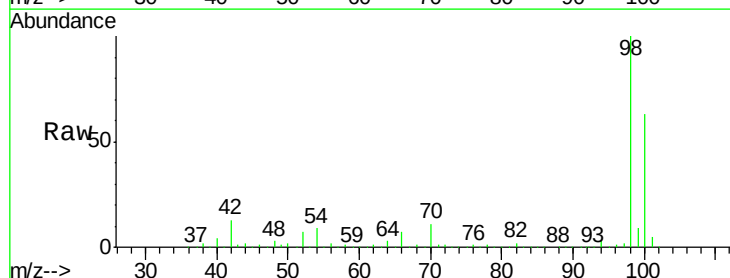
Instrument :
MSVOA_X
ClientSampleId :

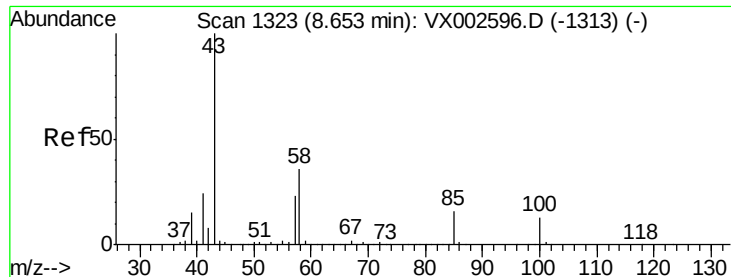
Tot Ion: 88 Resp: 70675
Ion Ratio Lower Upper
88 100
43 35.2 29.8 44.6
58 70.3 57.1 85.7



#50
Toluene-d8
Concen: 43.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 98 Resp: 446886
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 252.98 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

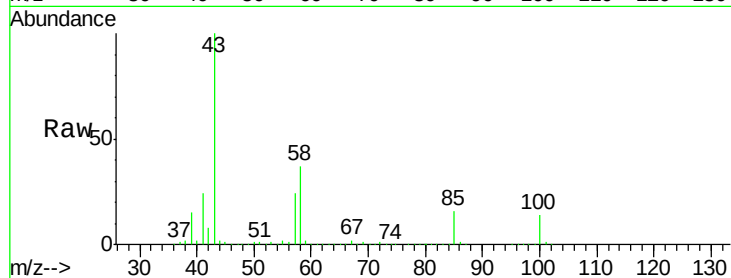
ClientSampleId :

Tot Ion: 43 Resp: 1107307

Ion Ratio Lower Upper

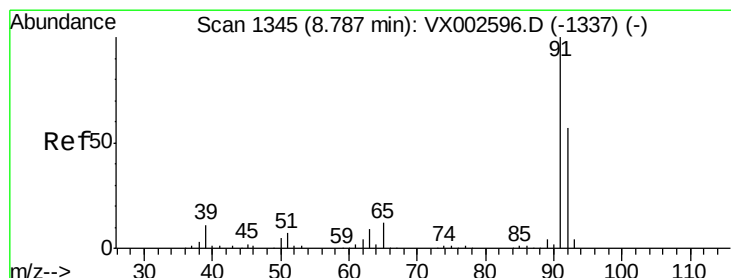
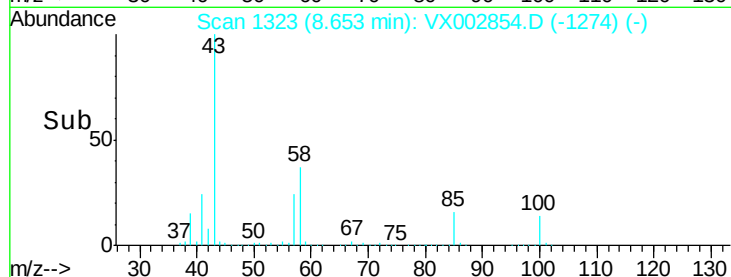
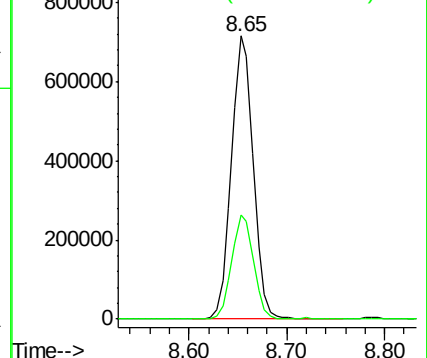
43 100

58 36.9 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: 50.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002854.D

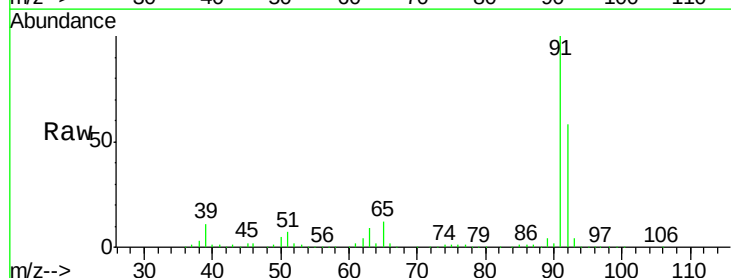
Acq: 23 Jun 2018 01:44

Tgt Ion: 92 Resp: 348471

Ion Ratio Lower Upper

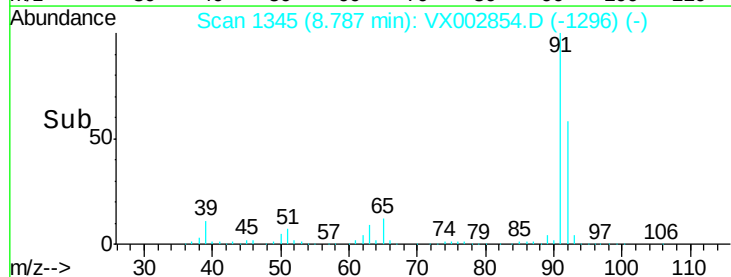
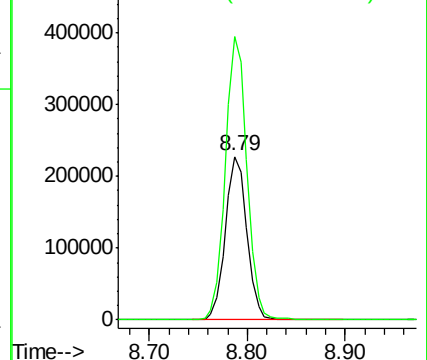
92 100

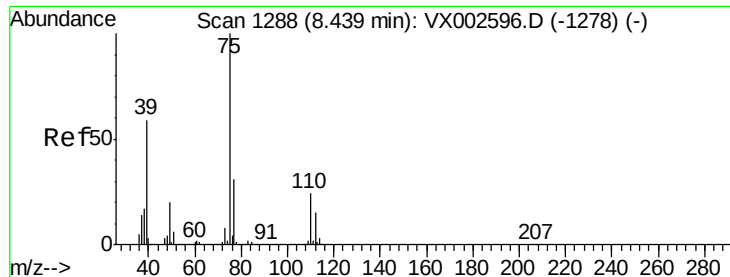
91 173.9 140.4 210.6



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: 46.60 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

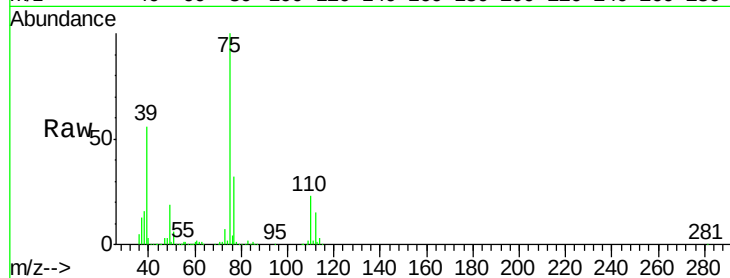
ClientSampled :

Tot Ion: 75 Resp: 208009

Ion Ratio Lower Upper

75 100

77 31.9 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

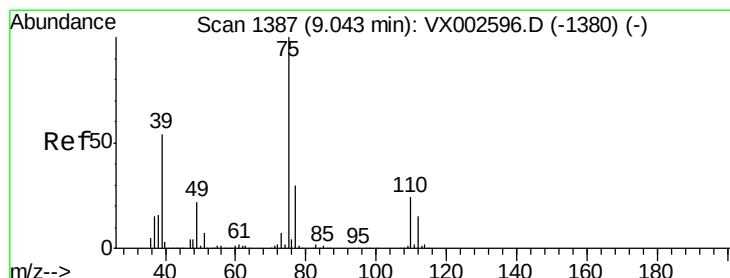
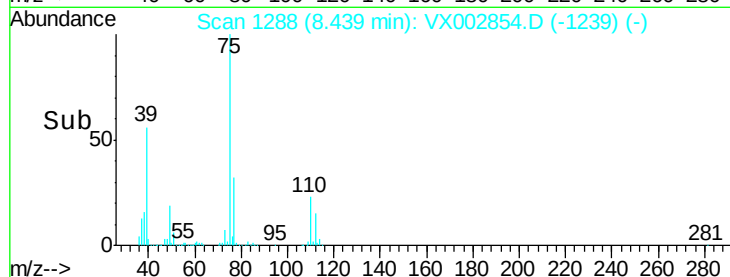
100000

50000

0

8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.02 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

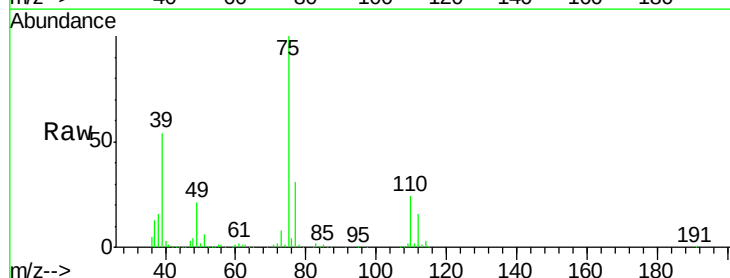
Tgt Ion: 75 Resp: 195538

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 53.8 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

9.04

150000

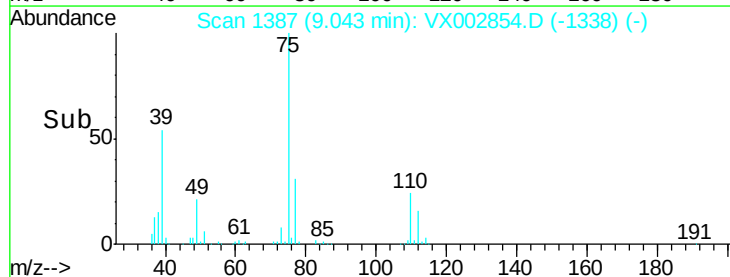
100000

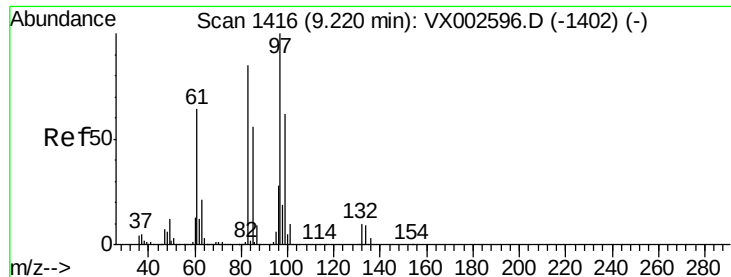
50000

0

8.95 9.00 9.05 9.10 9.15

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.38 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

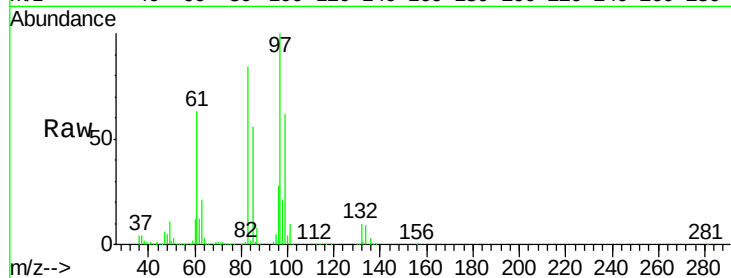
Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 144361

Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.2
85	56.4	44.9	67.3
99	61.7	49.8	74.8

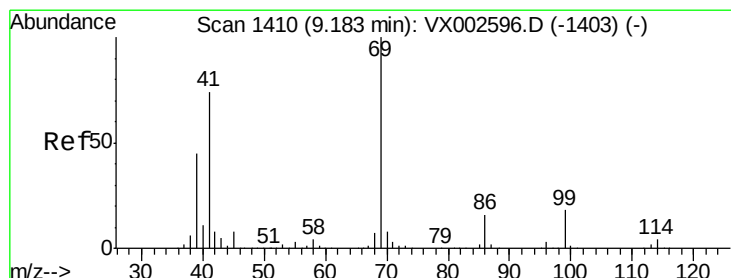
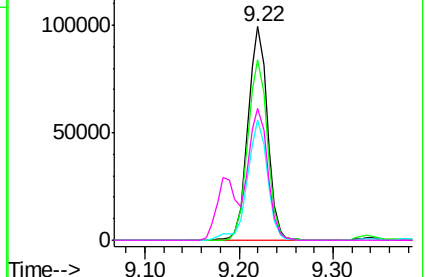
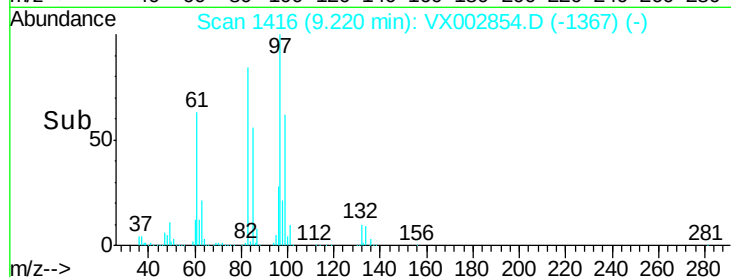


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.18 ug/l

RT: 9.18 min Scan# 1410

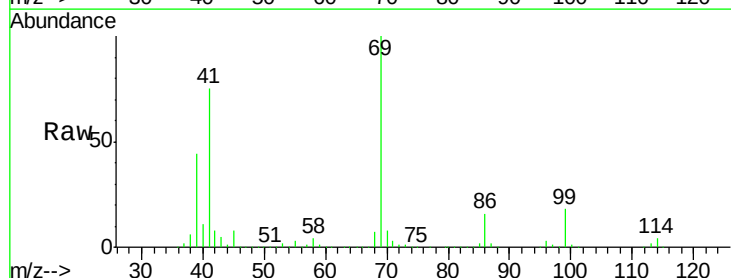
Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Tgt Ion: 69 Resp: 221307

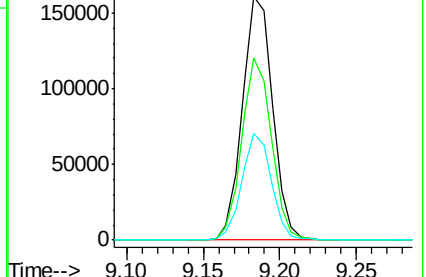
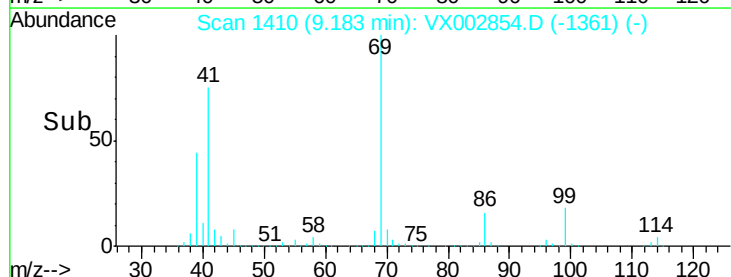
Ion	Ratio	Lower	Upper
69	100		
41	73.5	60.3	90.5
39	42.6	35.8	53.8

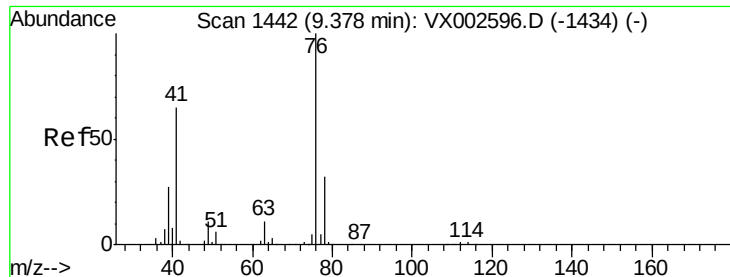


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.09 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

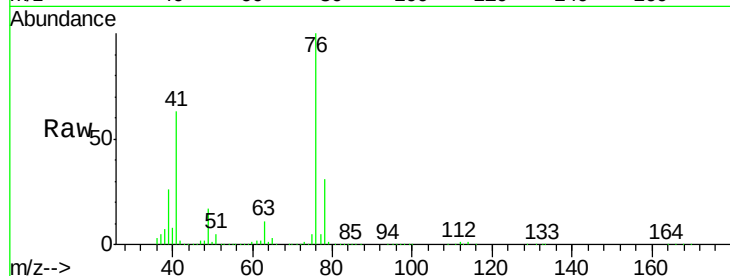
ClientSampleId :

Tot Ion: 76 Resp: 238014

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

150000

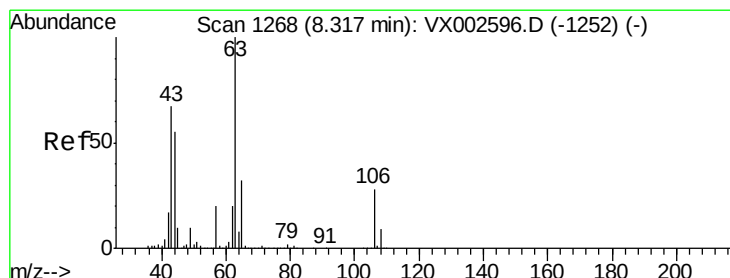
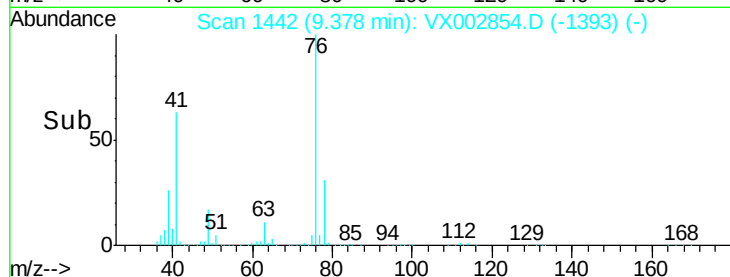
100000

50000

0

Time-->

9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 193.68 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002854.D

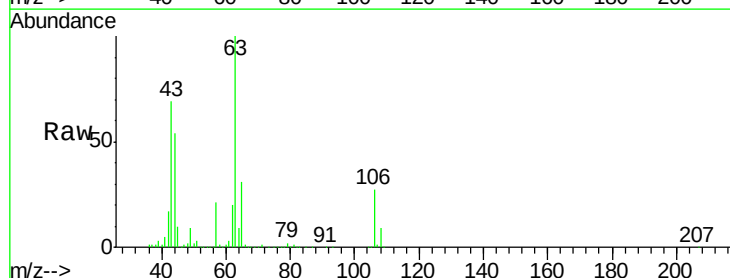
Acq: 23 Jun 2018 01:44

Tgt Ion: 63 Resp: 405038

Ion Ratio Lower Upper

63 100

106 27.7 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

300000

250000

200000

150000

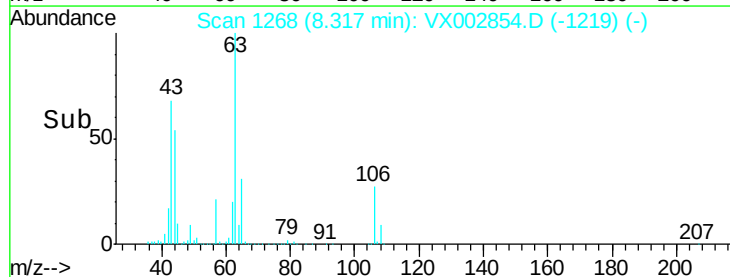
100000

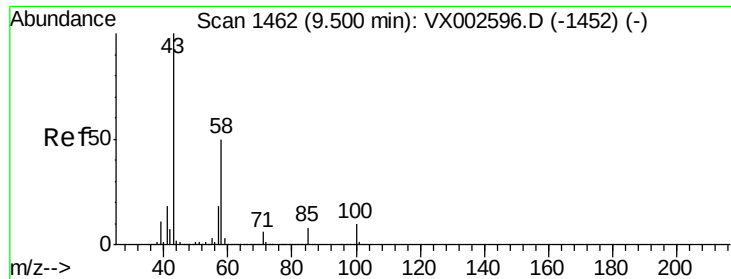
50000

0

Time-->

8.20 8.30 8.40

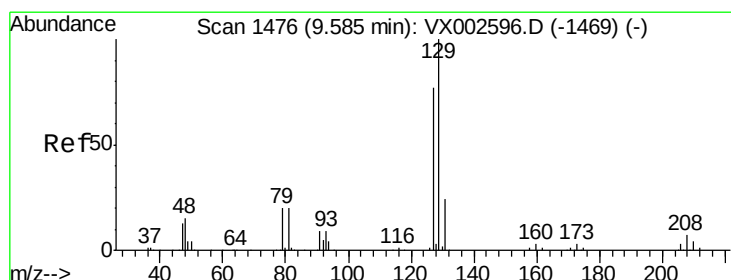
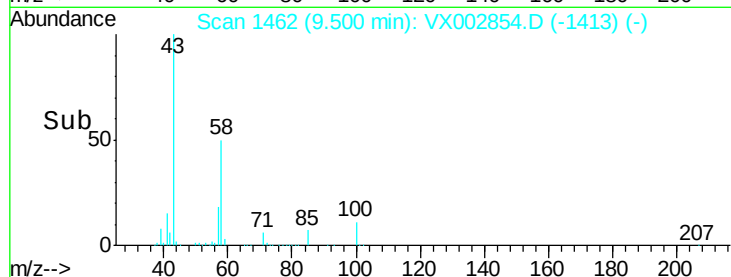
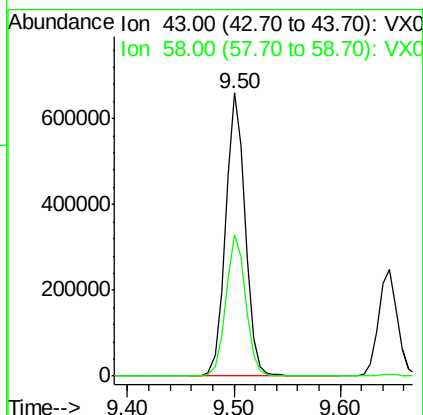
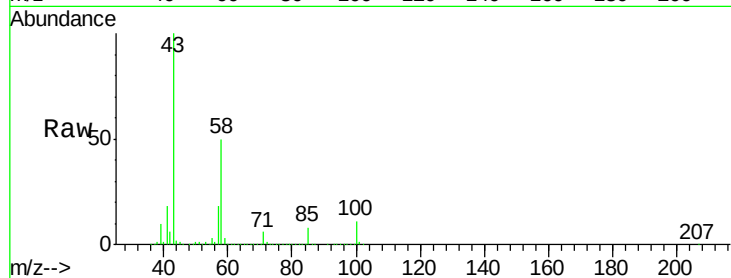




#59
2-Hexanone
Concen: 257.74 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

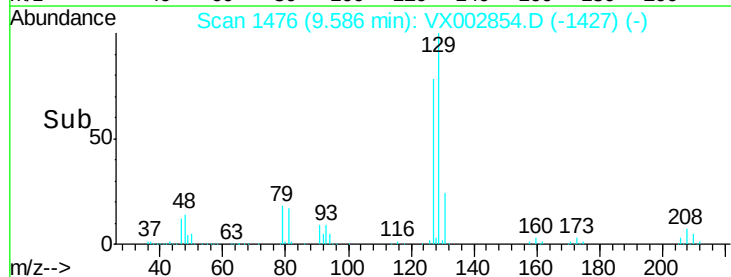
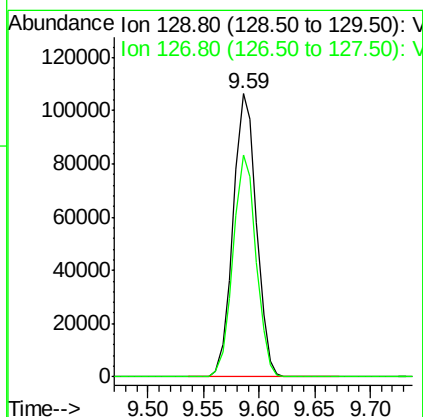
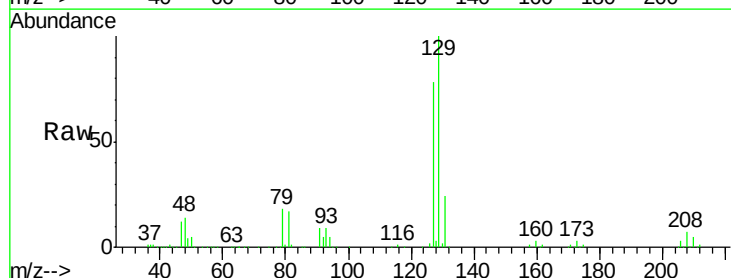
Instrument :
MSVOA_X
ClientSampleId :

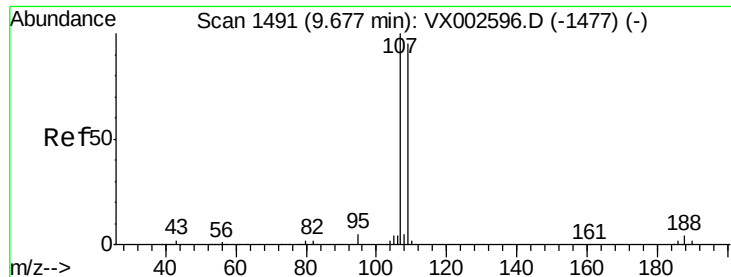
Tot Ion: 43 Resp: 850128
Ion Ratio Lower Upper
43 100
58 50.4 24.6 73.6



#60
Dibromochloromethane
Concen: 48.90 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 129 Resp: 154256
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.13 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

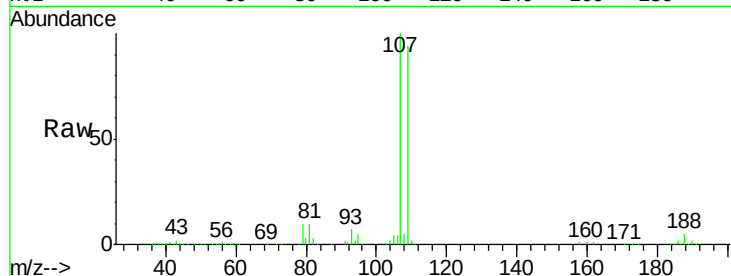
ClientSampleId :

Tot Ion:107 Resp: 151680

Ion Ratio Lower Upper

107 100

109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

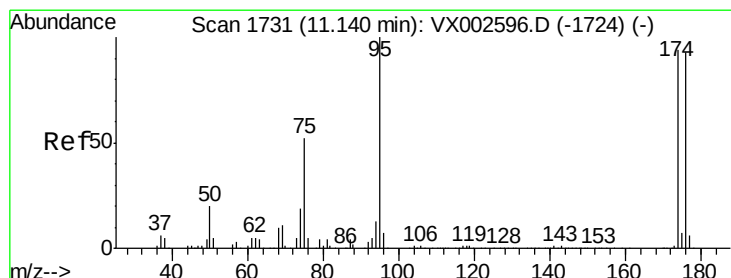
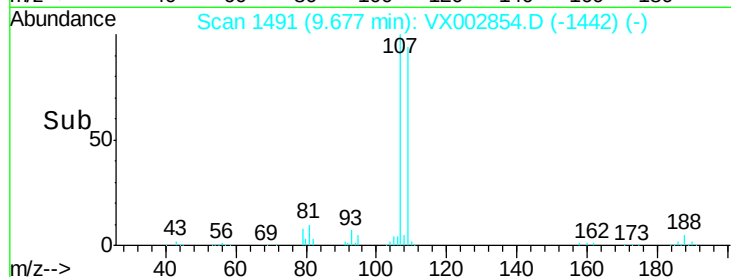
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

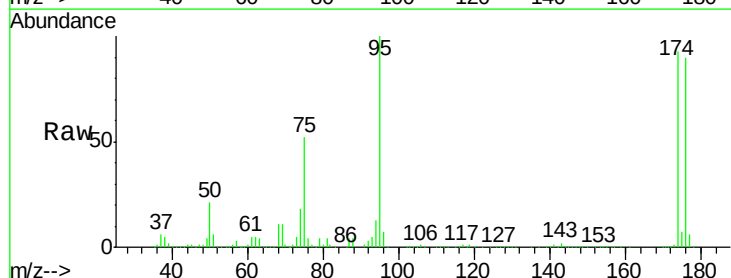
Tgt Ion: 95 Resp: 177818

Ion Ratio Lower Upper

95 100

174 96.7 0.0 187.4

176 93.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

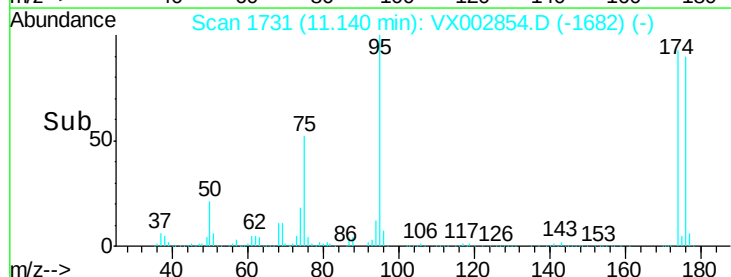
150000

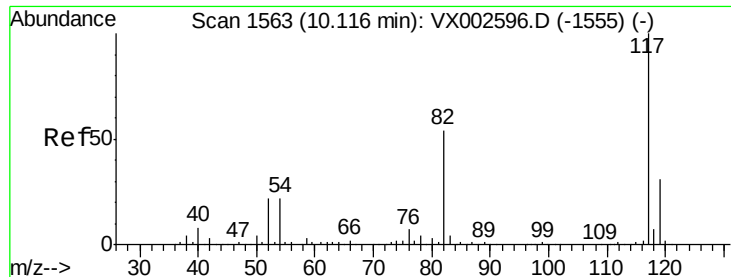
100000

50000

0

Time-->

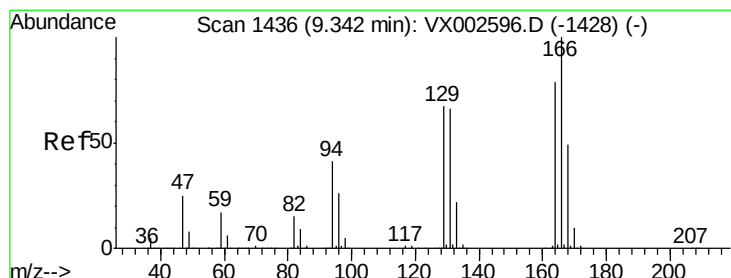
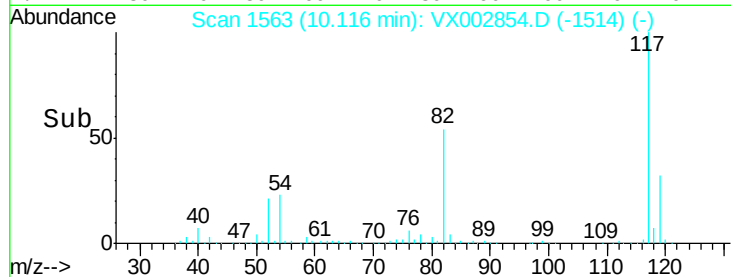
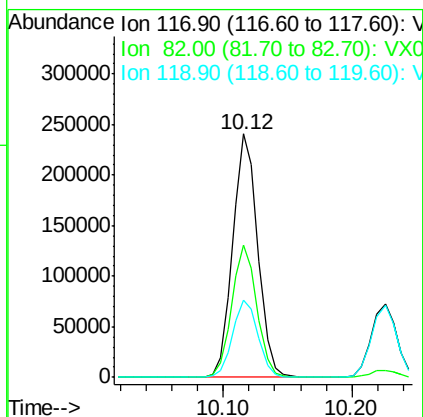
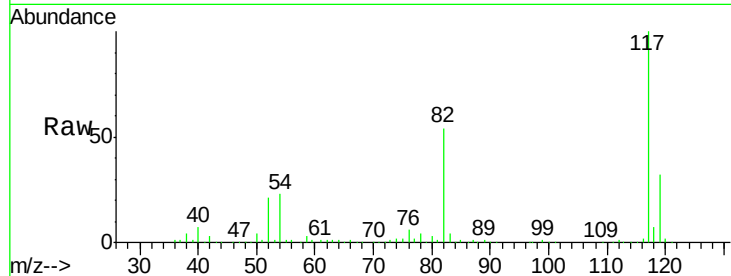




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

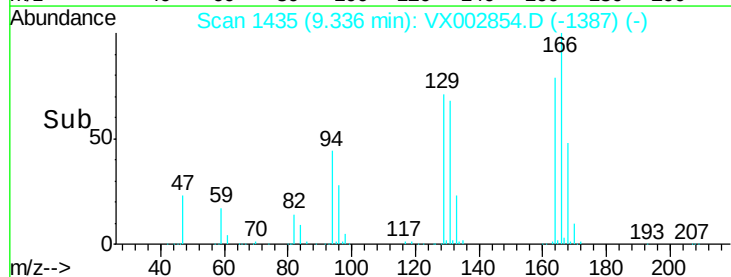
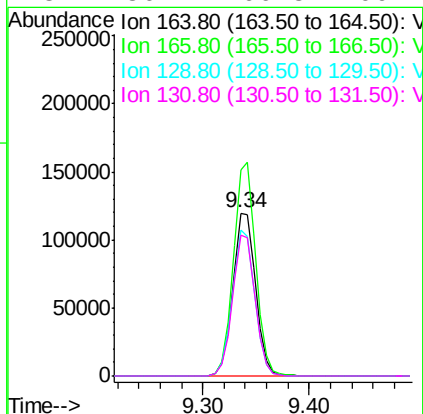
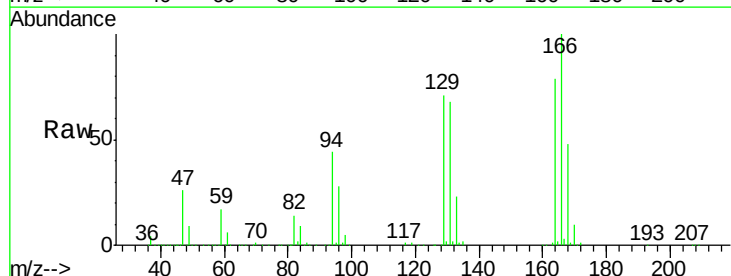
Instrument :
MSVOA_X
ClientSampled :

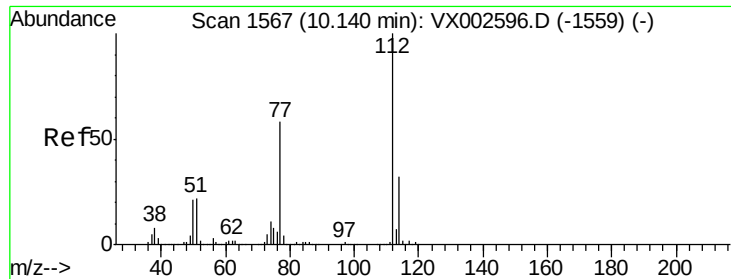
Tot Ion:117 Resp: 326450
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 49.51 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion:164 Resp: 179405
Ion Ratio Lower Upper
164 100
166 126.6 102.9 154.3
129 90.0 68.6 102.8
131 86.1 66.8 100.2





#65

Chlorobenzene

Concen: 51.21 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

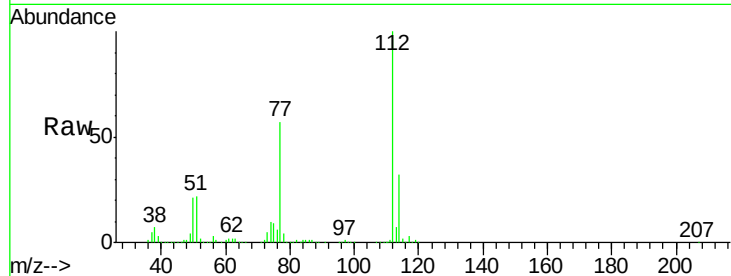
ClientSampled :

Tot Ion:112 Resp: 410558

Ion Ratio Lower Upper

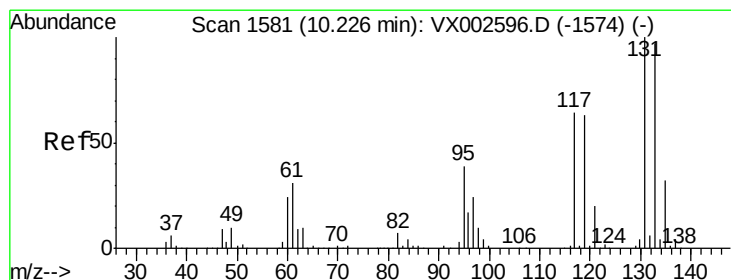
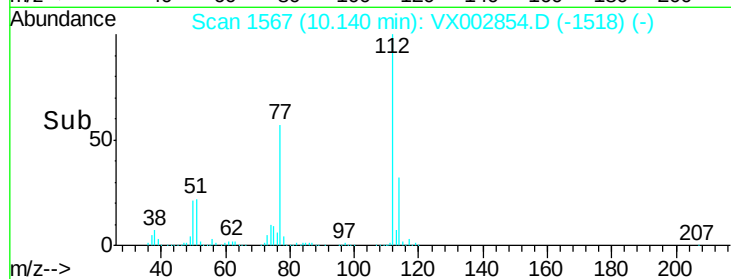
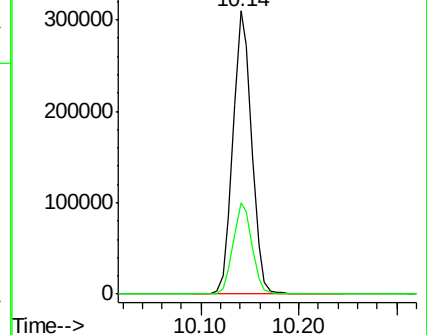
112 100

114 32.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.16 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

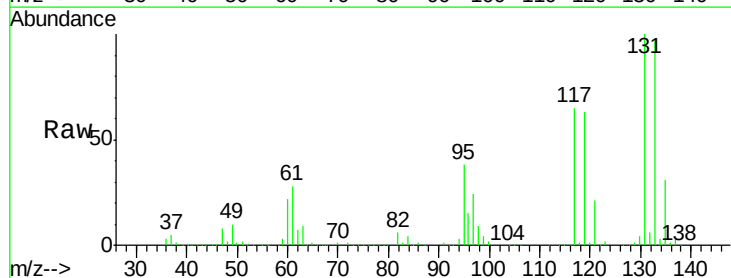
Tgt Ion:131 Resp: 150752

Ion Ratio Lower Upper

131 100

133 96.9 47.9 143.6

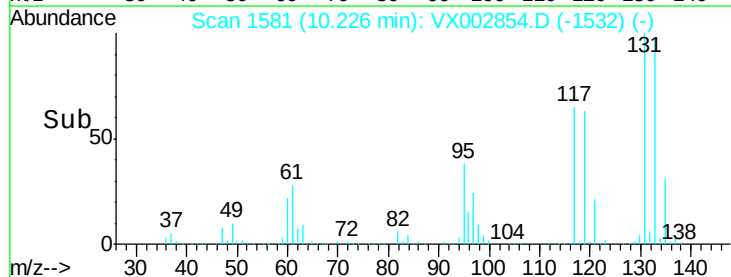
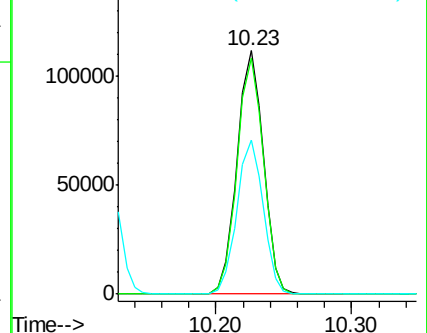
119 63.4 31.8 95.3

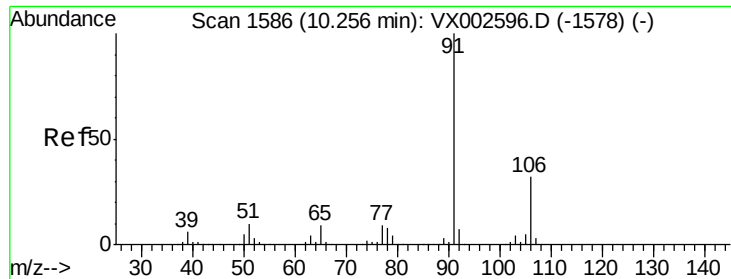


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

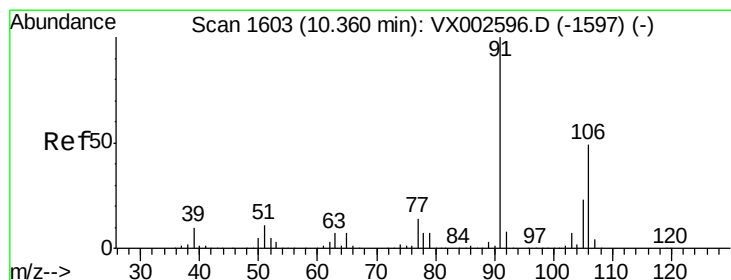
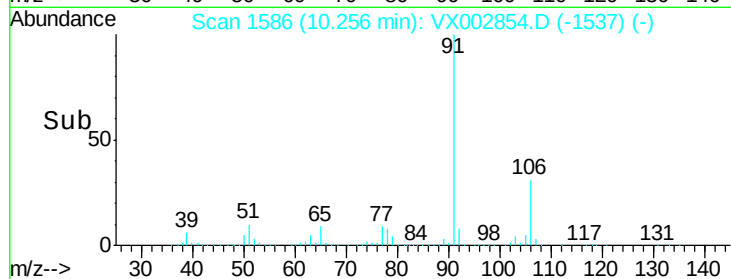
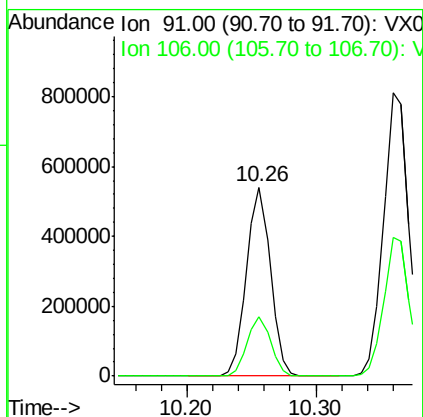
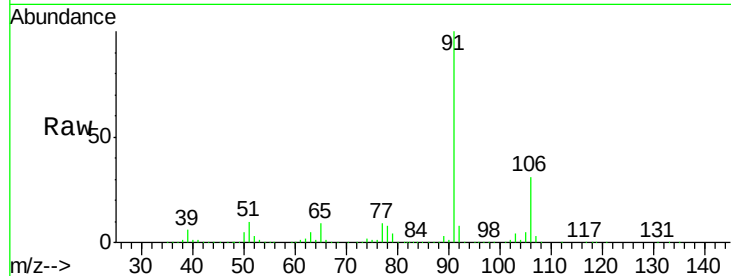




#67
Ethyl Benzene
Concen: 51.24 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

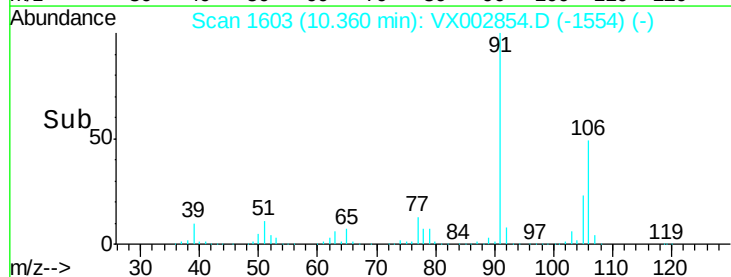
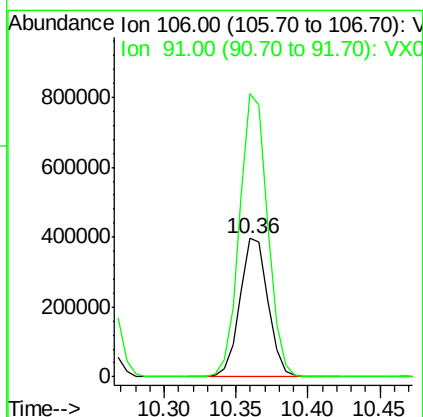
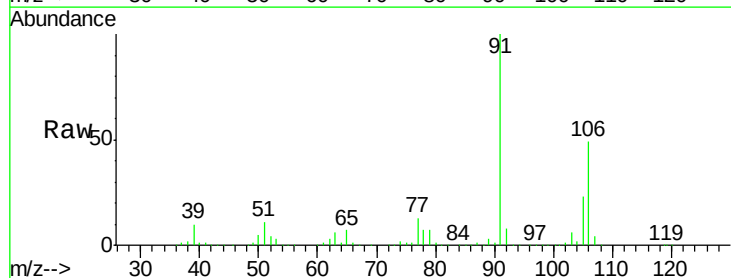
Instrument :
MSVOA_X
ClientSampled :

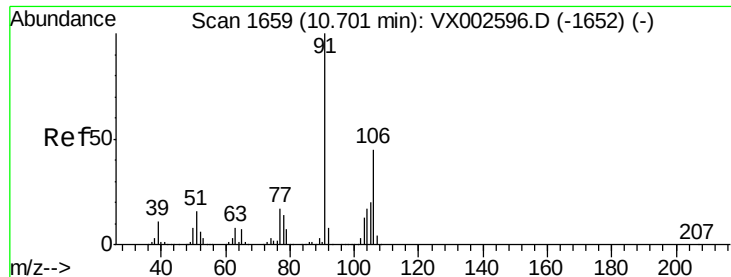
Tot Ion: 91 Resp: 692927
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 102.61 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion: 106 Resp: 535232
Ion Ratio Lower Upper
106 100
91 204.8 163.4 245.2

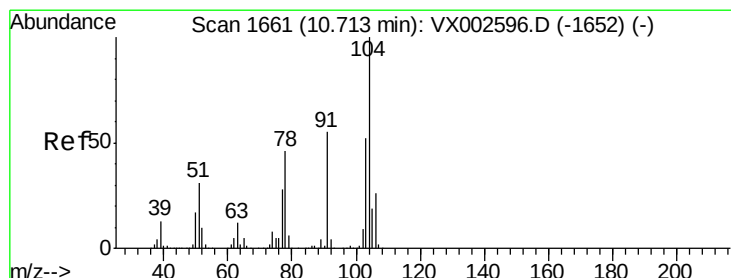
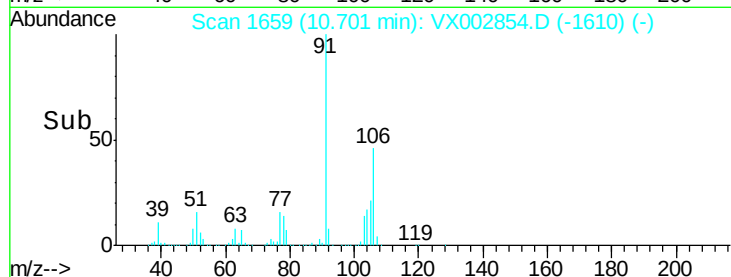
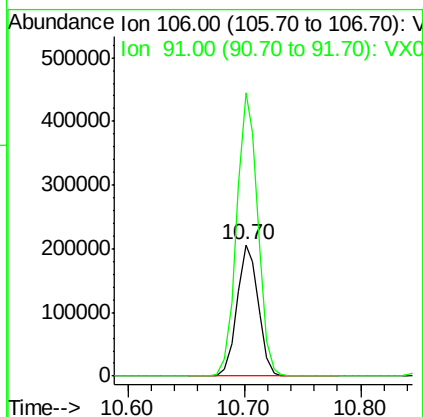
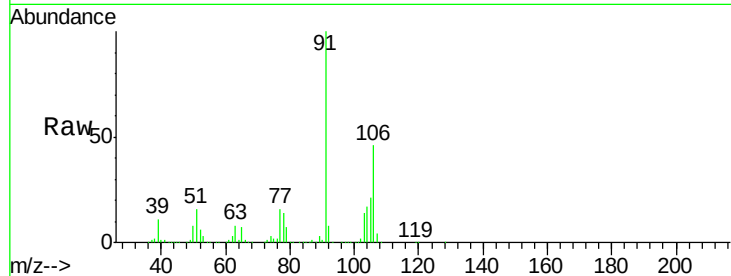




#69
o-Xylene
Concen: 51.19 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

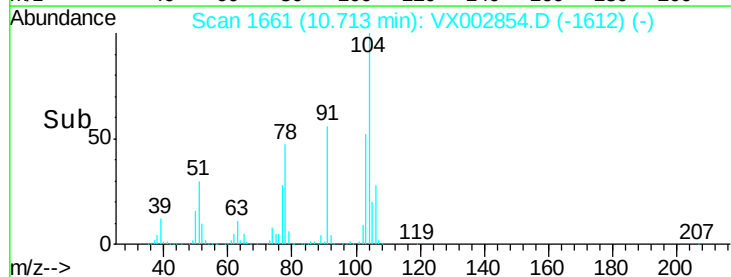
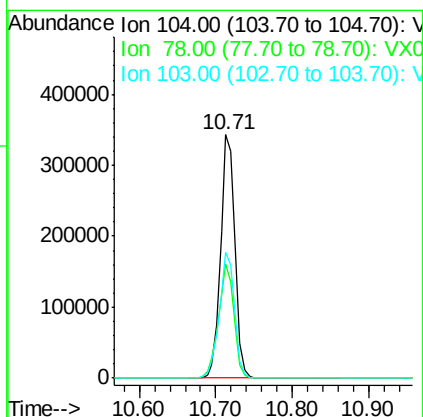
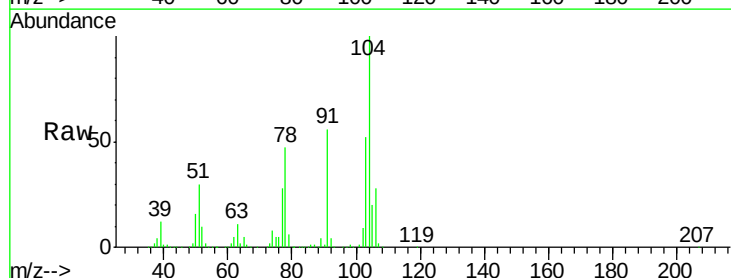
Instrument :
MSVOA_X
ClientSampled :

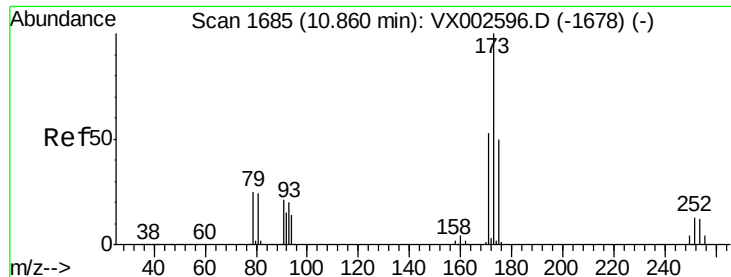
Tot Ion:106 Resp: 262347
Ion Ratio Lower Upper
106 100
91 214.0 108.2 324.6



#70
Styrene
Concen: 52.26 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002854.D
Acq: 23 Jun 2018 01:44

Tgt Ion:104 Resp: 440492
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 55.4 44.2 66.4





#71

Bromoform

Concen: 48.85 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

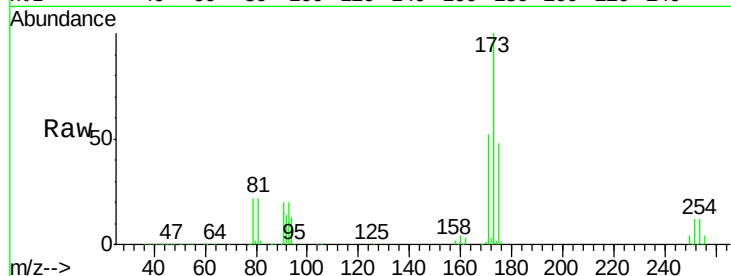
Tot Ion:173 Resp: 121256

Ion Ratio Lower Upper

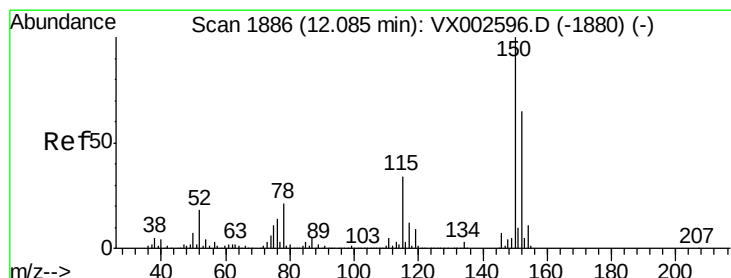
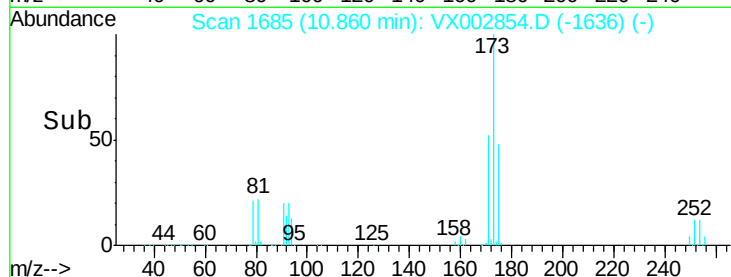
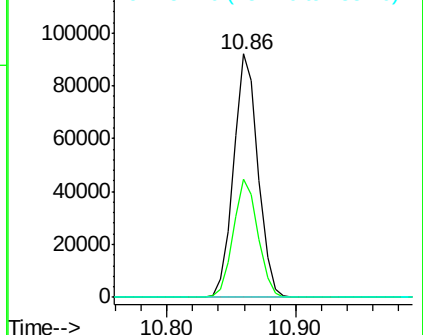
173 100

175 49.0 24.7 74.1

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

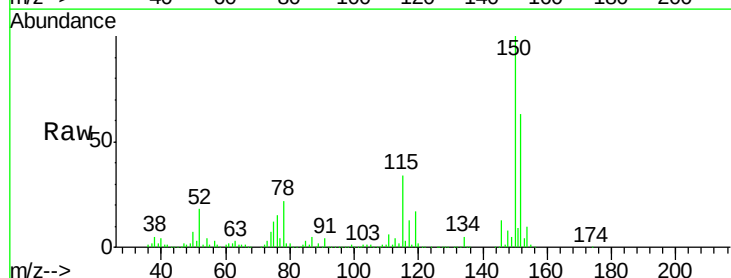
Tgt Ion:152 Resp: 208969

Ion Ratio Lower Upper

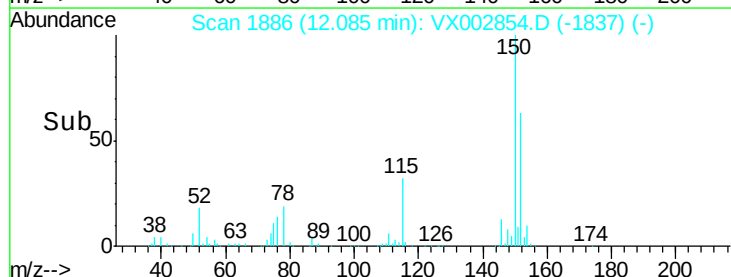
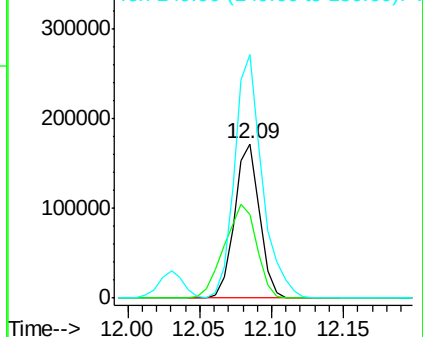
152 100

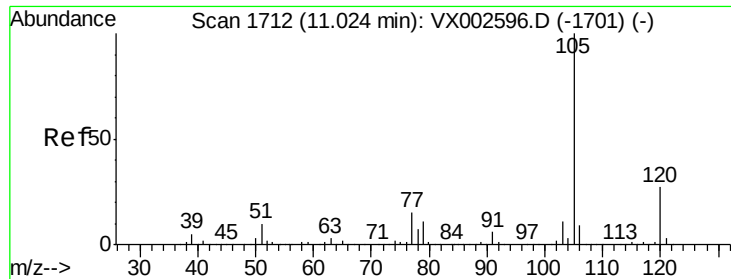
115 79.1 40.1 120.2

150 173.9 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: 51.51 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

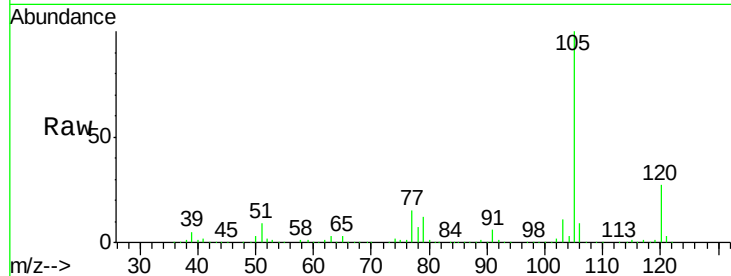
ClientSampleId :

Tot Ion:105 Resp: 719939

Ion Ratio Lower Upper

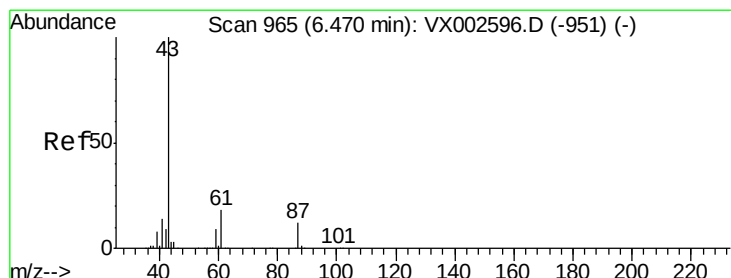
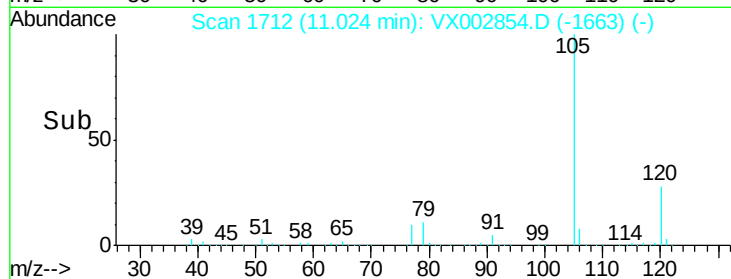
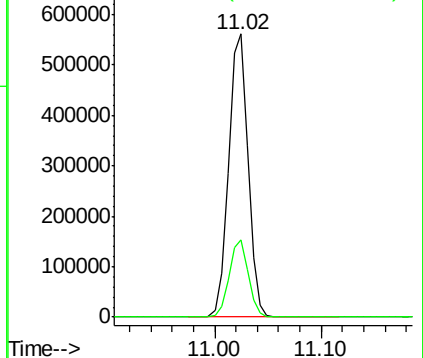
105 100

120 26.7 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: 48.49 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Tgt Ion: 43 Resp: 336702

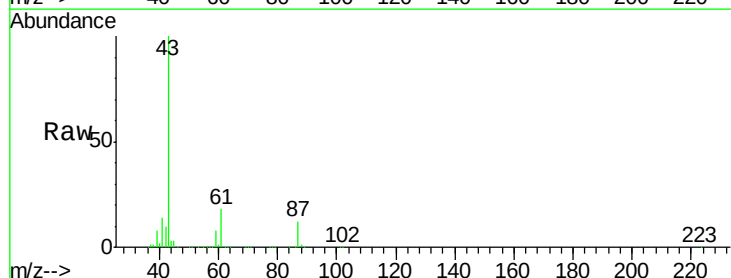
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

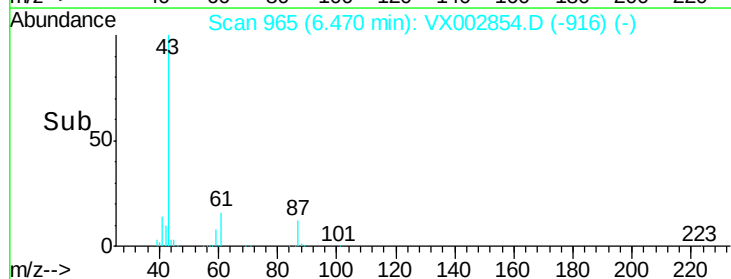
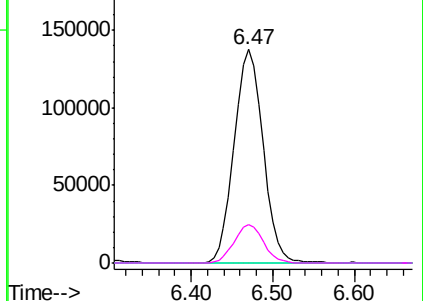


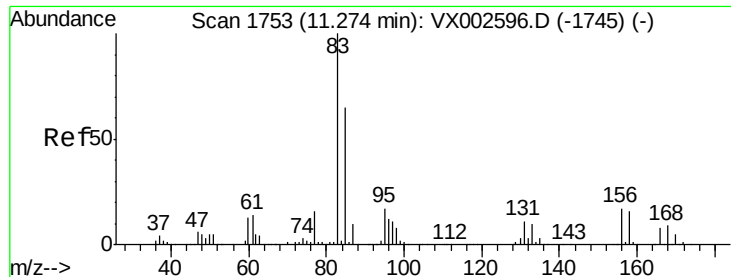
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 53.29 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

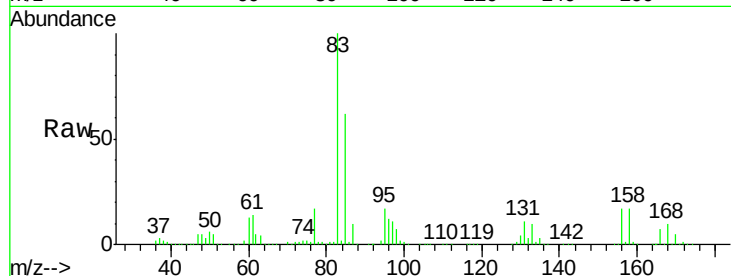
Tot Ion: 83 Resp: 219952

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

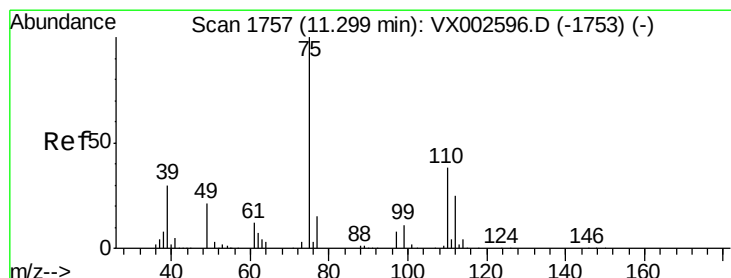
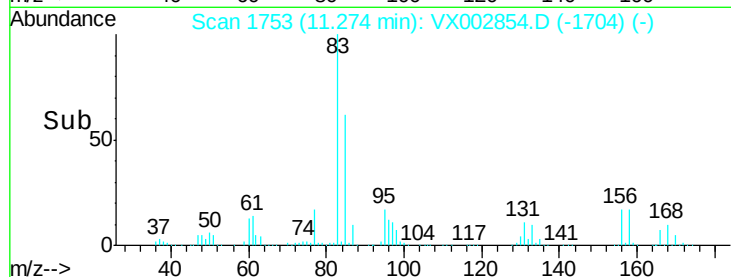
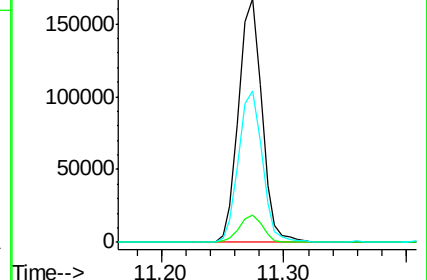
85 63.7 32.4 97.2



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: 61.86 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002854.D

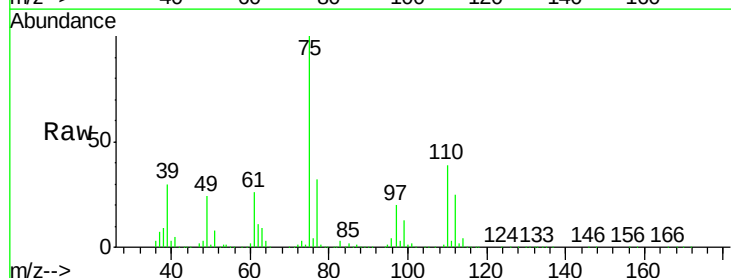
Acq: 23 Jun 2018 01:44

Tgt Ion: 75 Resp: 243939

Ion Ratio Lower Upper

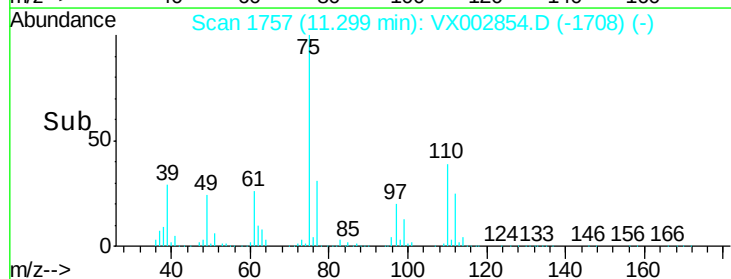
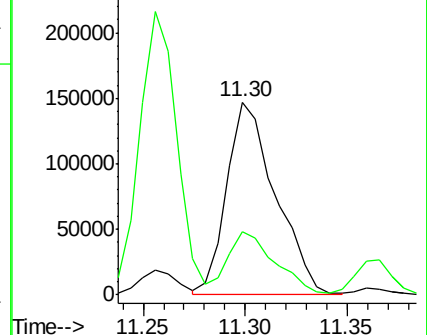
75 100

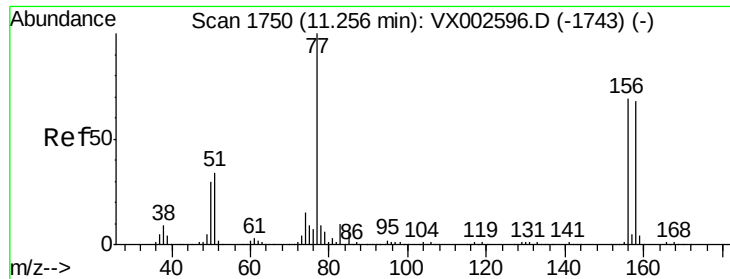
77 32.1 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.74 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

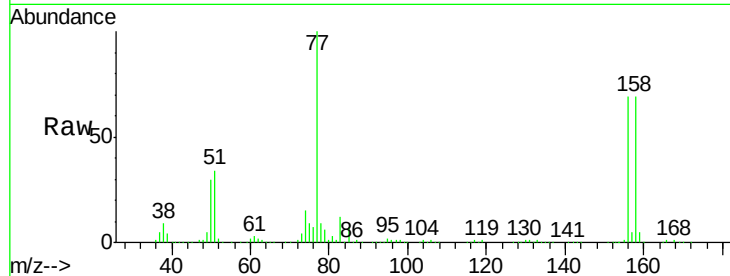
Tot Ion:156 Resp: 197561

Ion Ratio Lower Upper

156 100

77 138.9 71.4 214.2

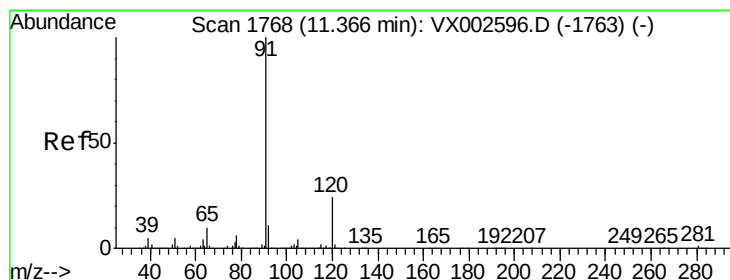
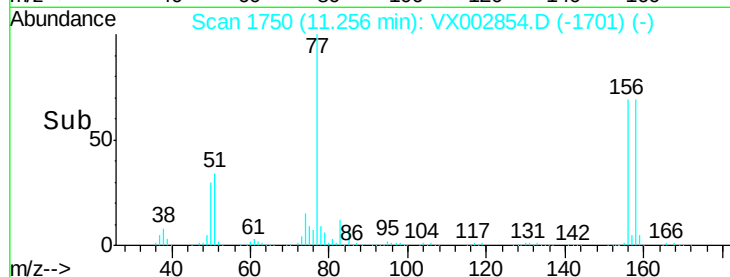
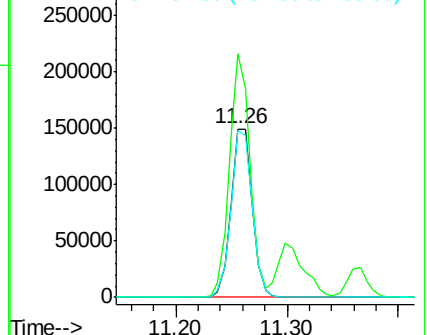
158 98.0 48.9 146.6



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: 51.02 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002854.D

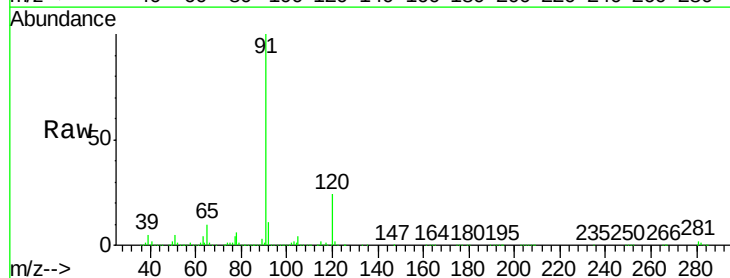
Acq: 23 Jun 2018 01:44

Tgt Ion: 91 Resp: 817815

Ion Ratio Lower Upper

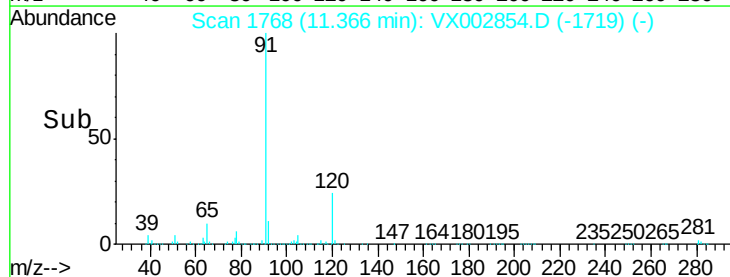
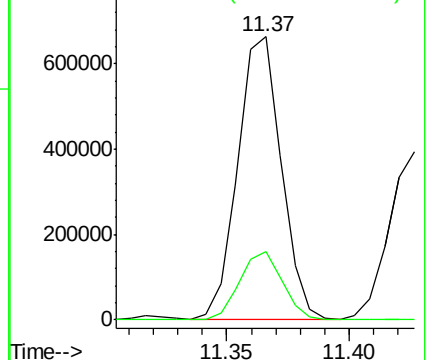
91 100

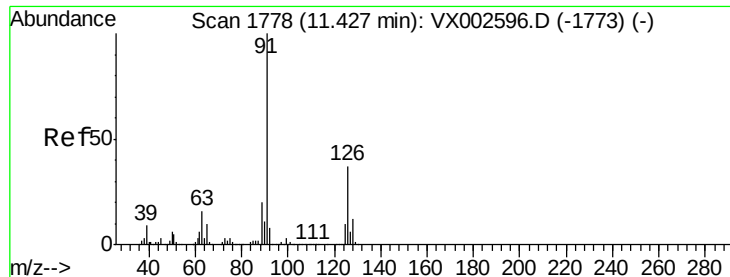
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.63 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

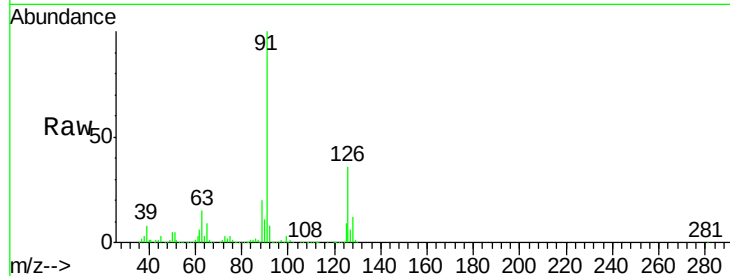
ClientSampleId :

Tot Ion: 91 Resp: 484510

Ion Ratio Lower Upper

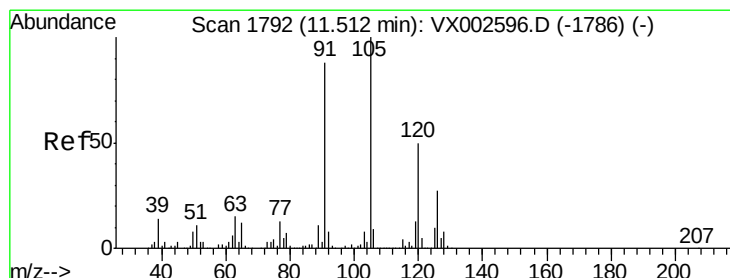
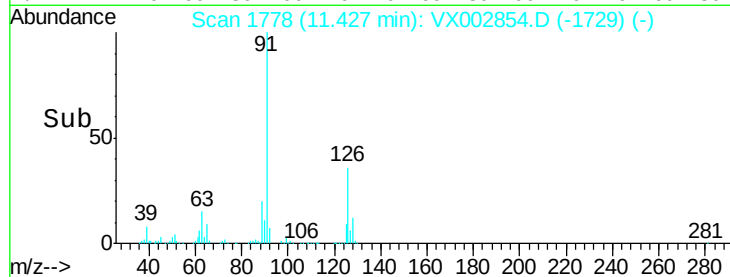
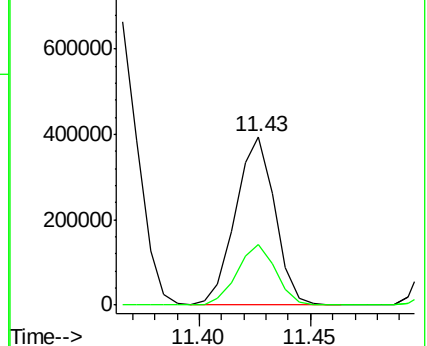
91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.74 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002854.D

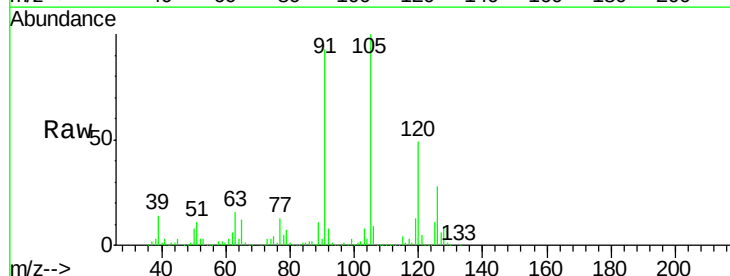
Acq: 23 Jun 2018 01:44

Tgt Ion:105 Resp: 611083

Ion Ratio Lower Upper

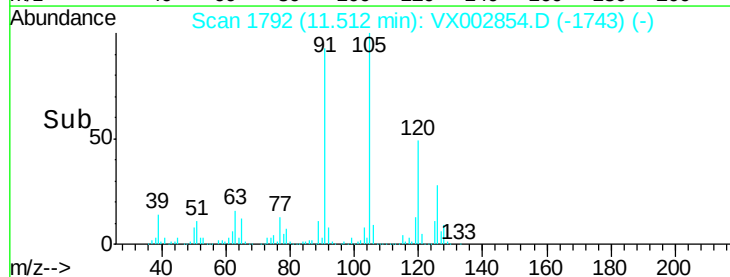
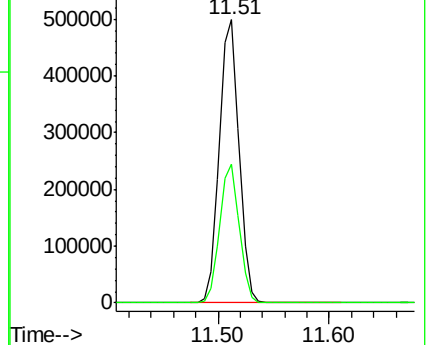
105 100

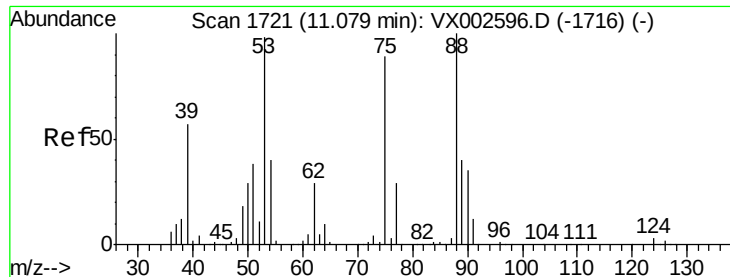
120 48.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.09 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

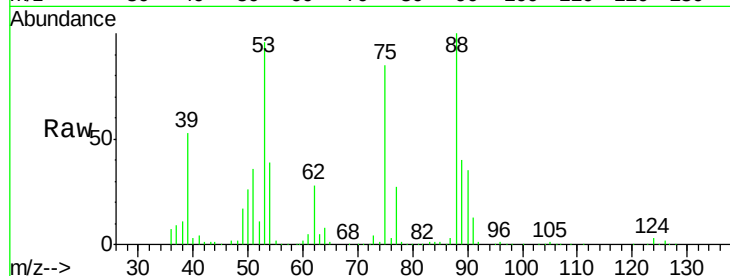
Tot Ion: 75 Resp: 50973

Ion Ratio Lower Upper

75 100

53 113.2 86.8 130.2

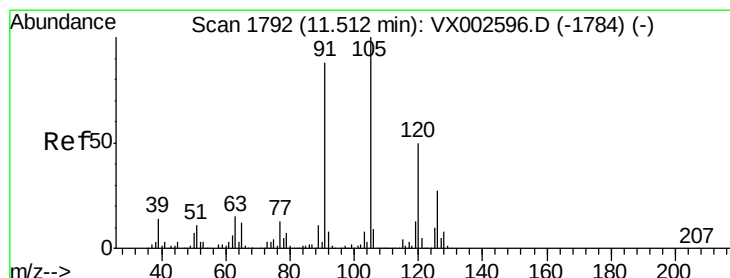
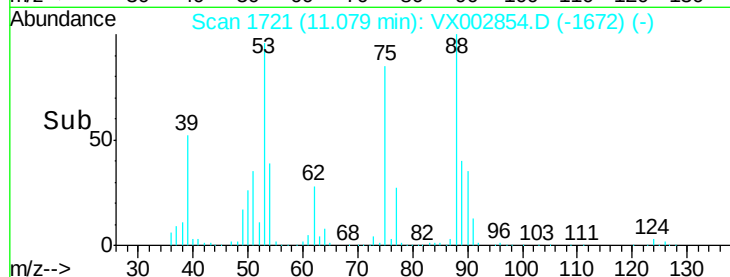
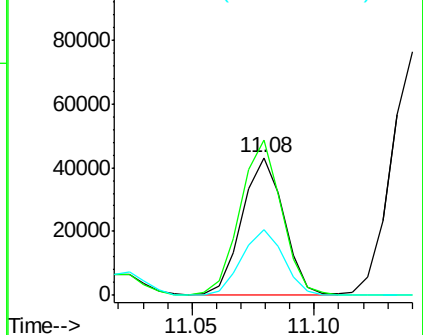
89 48.7 38.2 57.2



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: 50.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002854.D

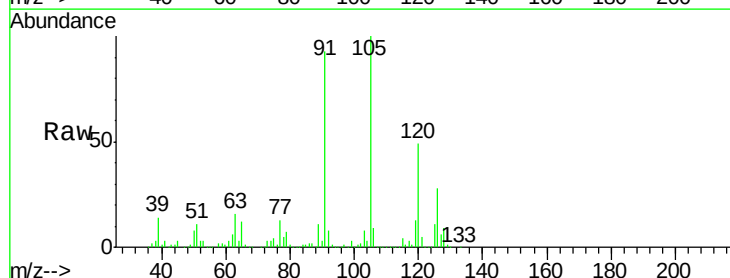
Acq: 23 Jun 2018 01:44

Tgt Ion: 91 Resp: 573994

Ion Ratio Lower Upper

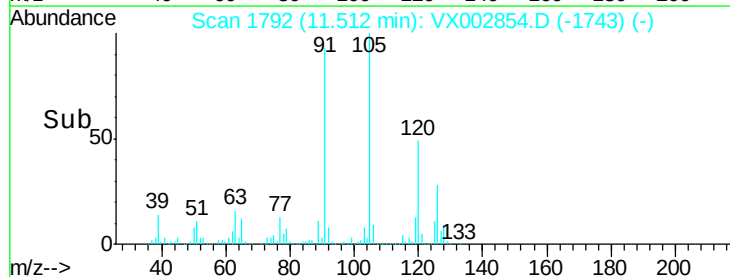
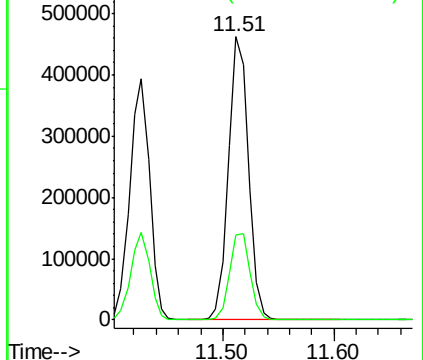
91 100

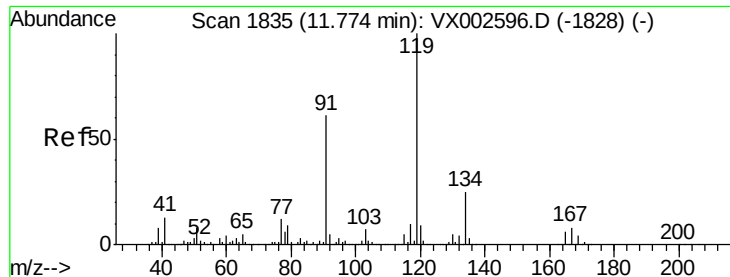
126 31.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

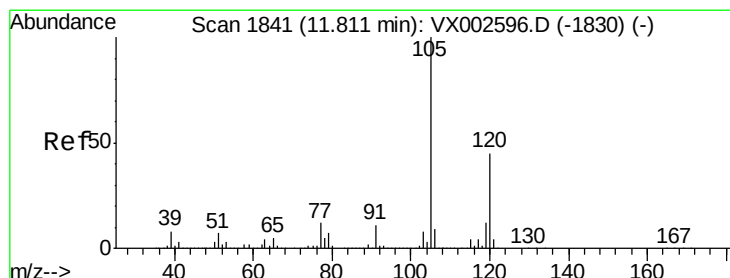
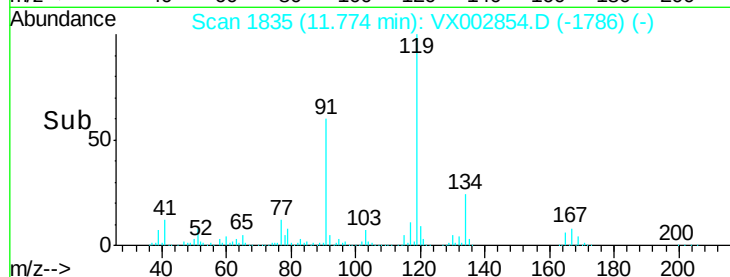
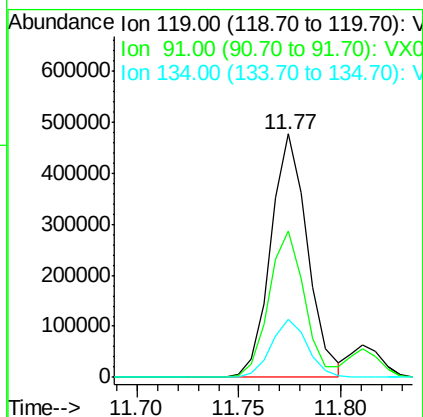
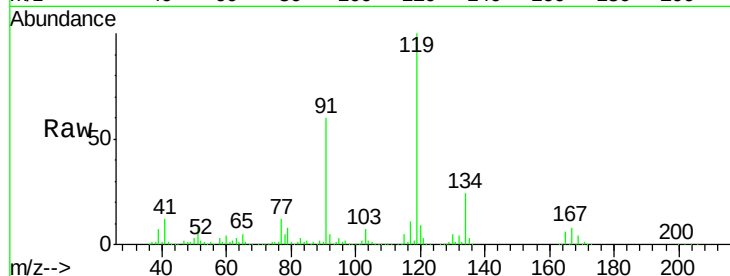




#83
 tert-Butylbenzene
 Concen: 52.66 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

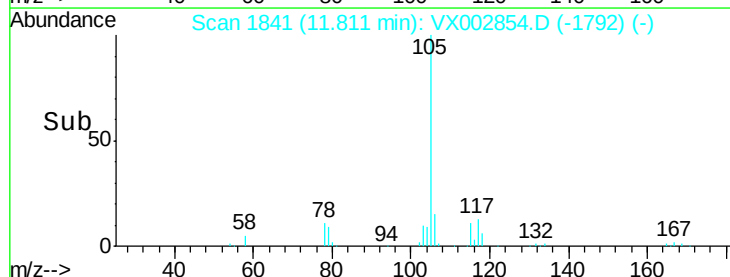
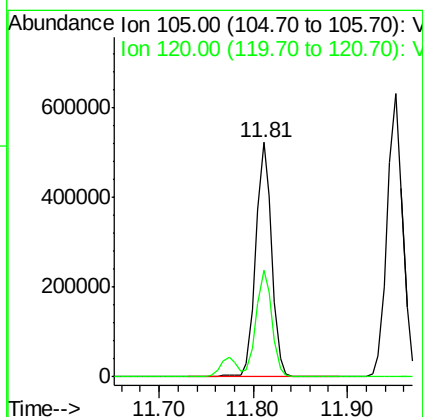
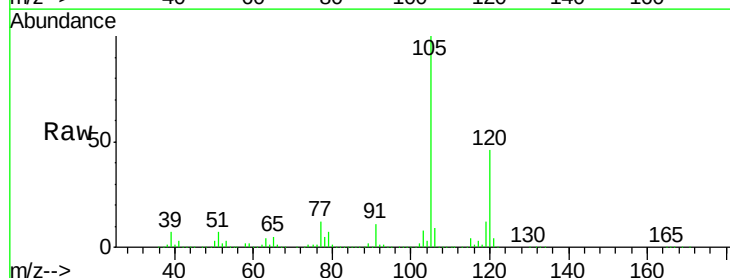
Instrument :
 MSVOA_X
 ClientSampleId :

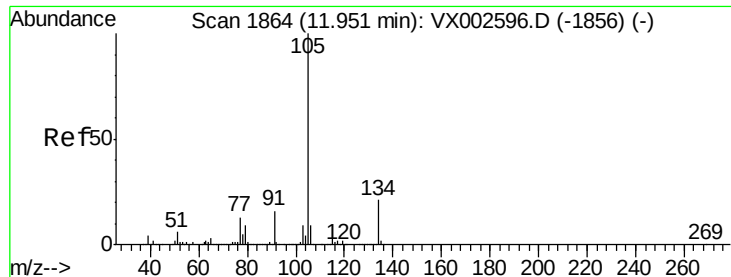
Tot Ion:119 Resp: 599218
 Ion Ratio Lower Upper
 119 100
 91 58.9 30.3 90.9
 134 23.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.98 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion:105 Resp: 626411
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 51.33 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

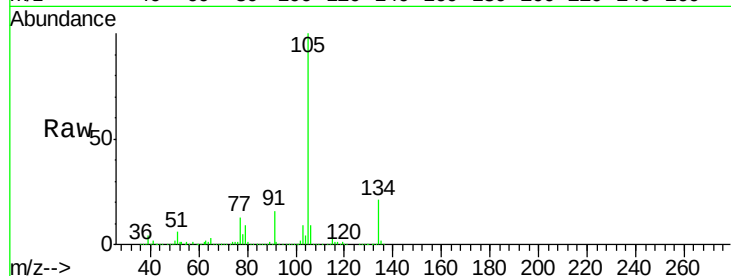
ClientSampleId :

Tot Ion:105 Resp: 726235

Ion Ratio Lower Upper

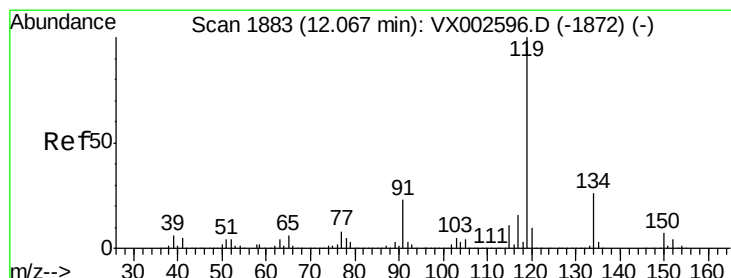
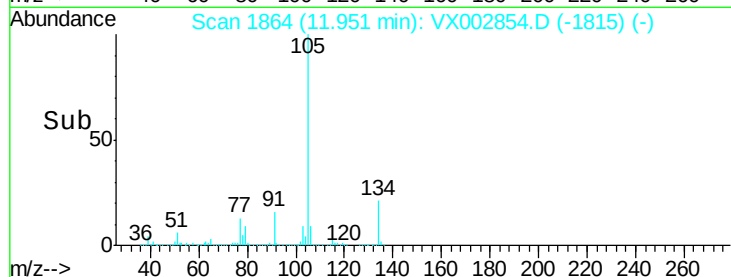
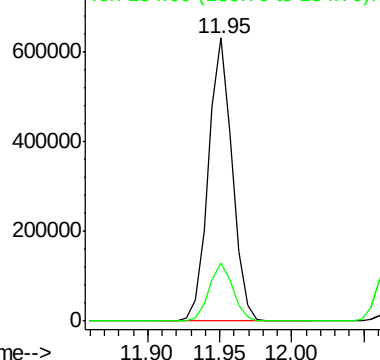
105 100

134 20.6 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: 51.01 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

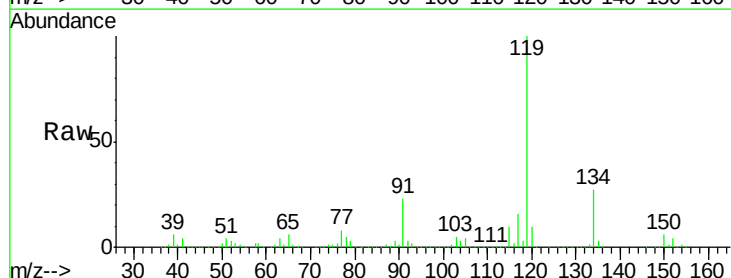
Tgt Ion:119 Resp: 653054

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

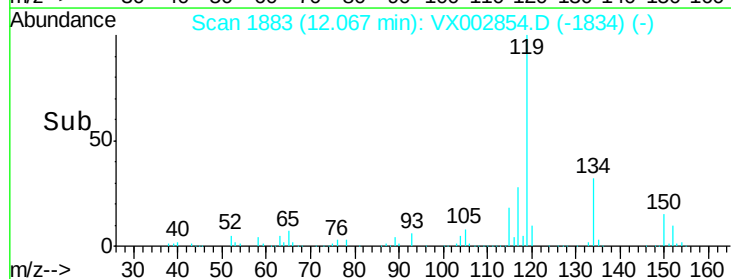
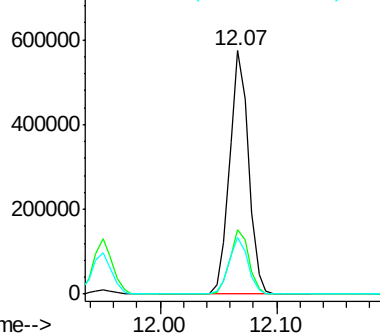
91 23.6 11.9 35.7

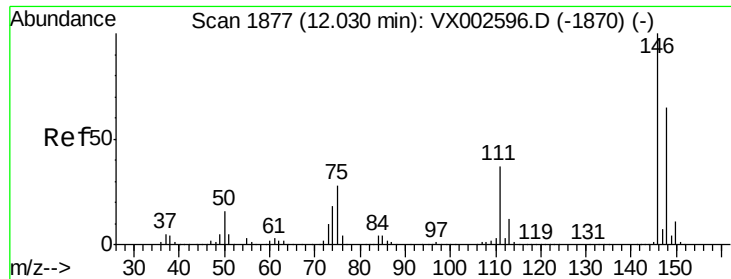


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

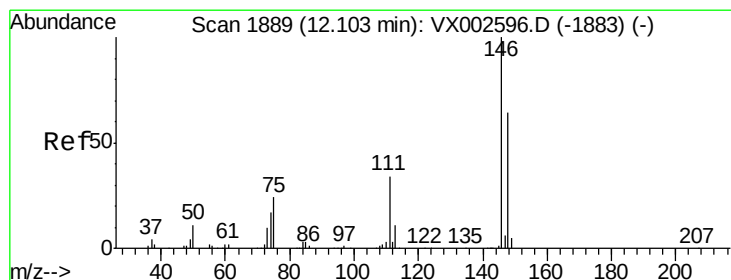
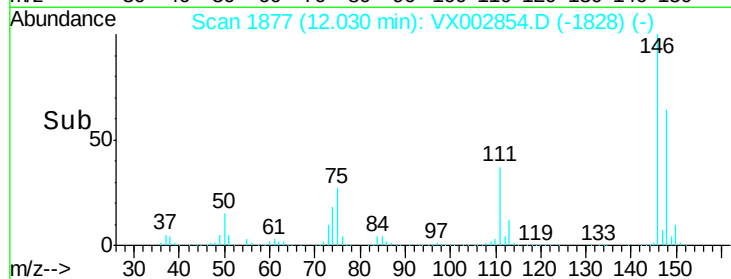
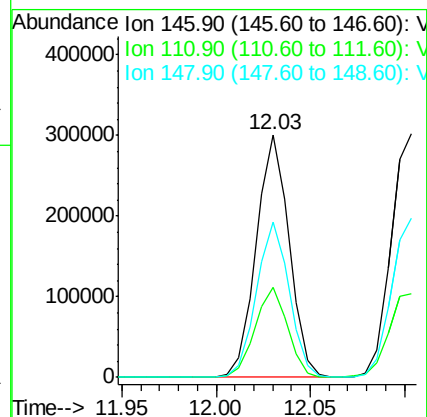
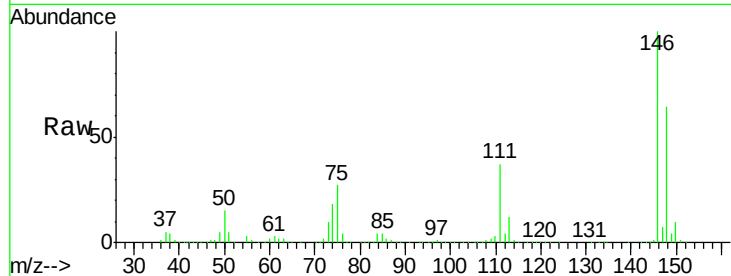




#87
 1,3-Dichlorobenzene
 Concen: 50.91 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

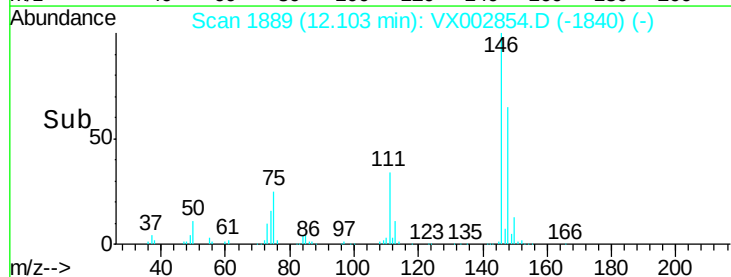
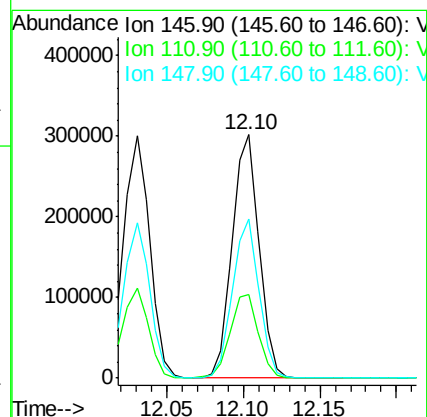
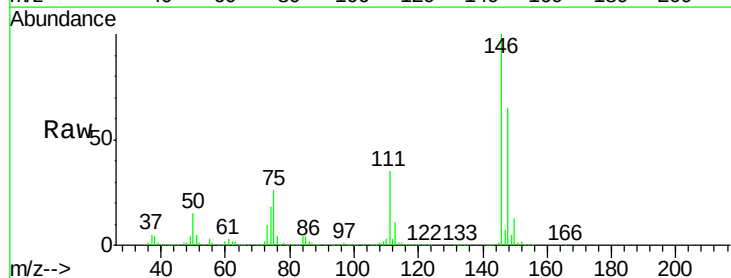
Instrument :
 MSVOA_X
 ClientSampleId :

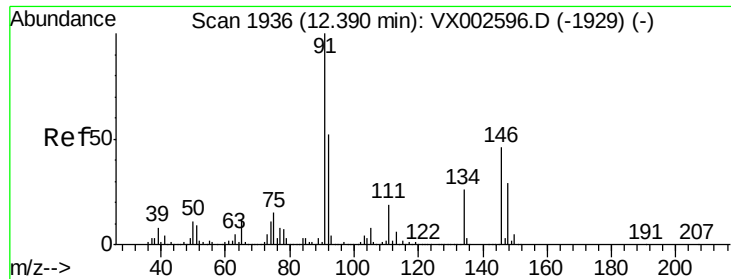
Tot Ion:146 Resp: 363552
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 63.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion:146 Resp: 366585
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.7 56.1
 148 64.4 32.4 97.0





#89

n-Butylbenzene

Concen: 49.45 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

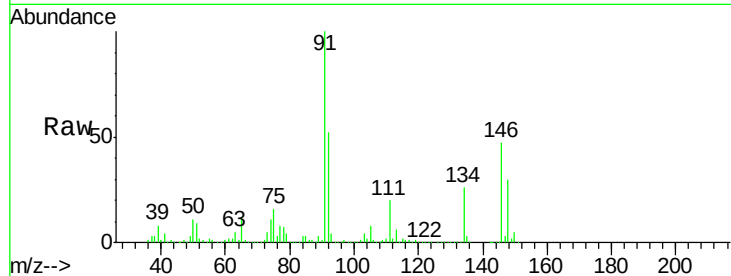
Tot Ion: 91 Resp: 558387

Ion Ratio Lower Upper

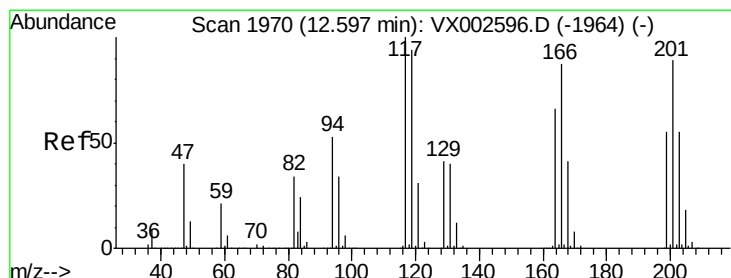
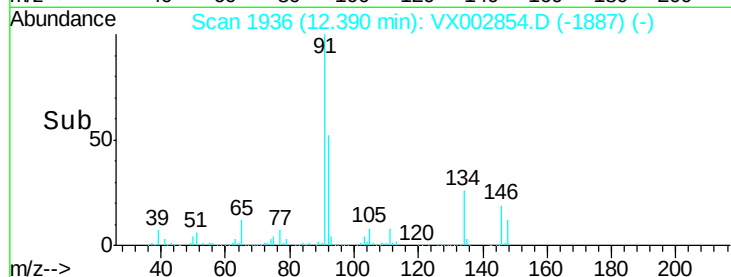
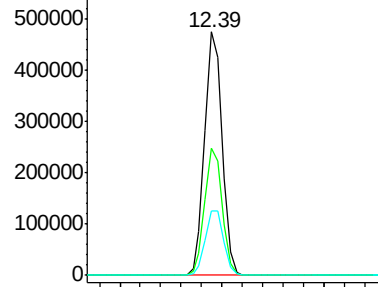
91 100

92 52.0 26.0 78.0

134 27.7 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 46.90 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX002854.D

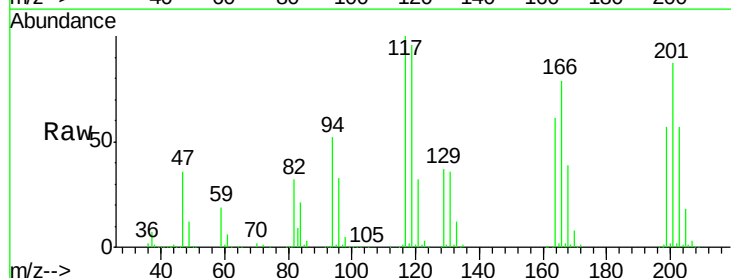
Acq: 23 Jun 2018 01:44

Tgt Ion: 117 Resp: 93243

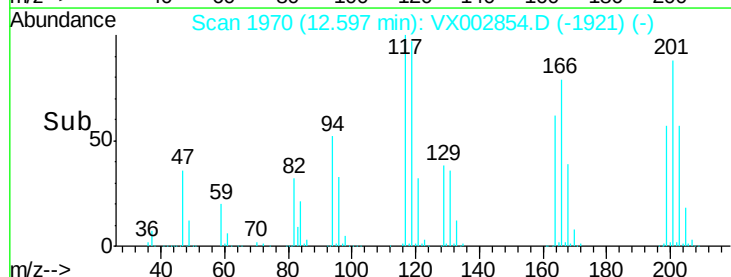
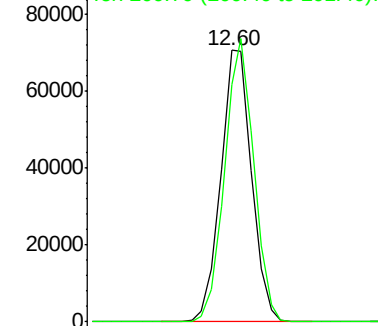
Ion Ratio Lower Upper

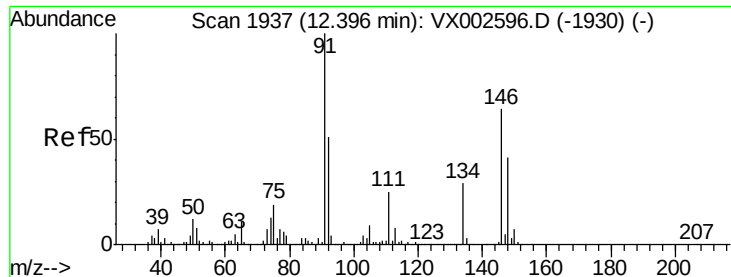
117 100

201 98.4 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.03 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

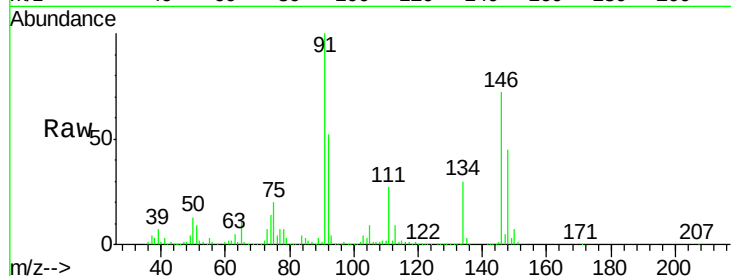
Tot Ion:146 Resp: 366755

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

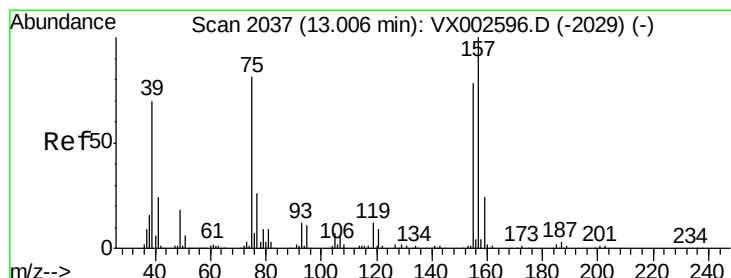
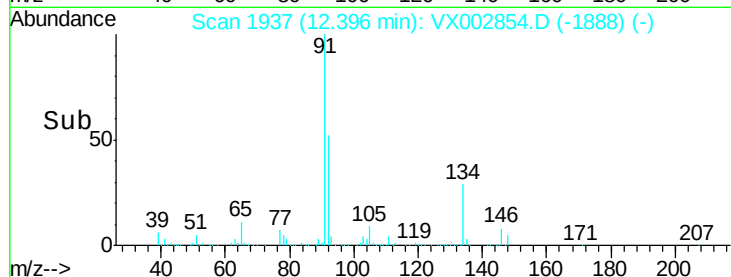
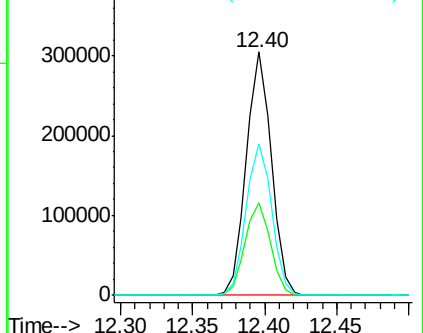
148 63.7 31.7 95.1



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: 58.30 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

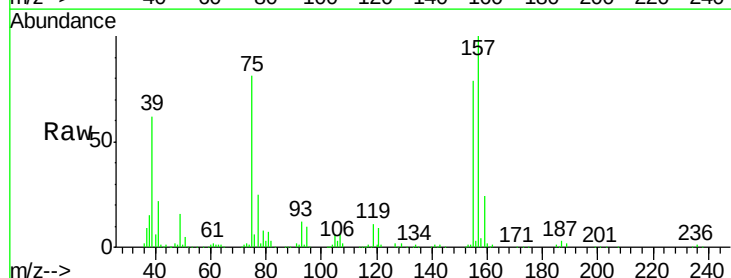
Tgt Ion: 75 Resp: 50398

Ion Ratio Lower Upper

75 100

155 93.7 45.8 137.4

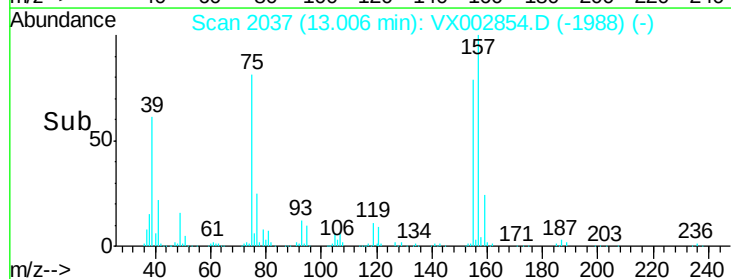
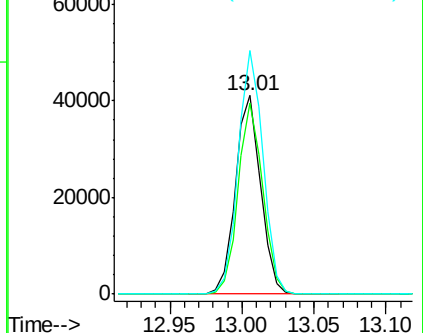
157 120.1 60.1 180.3

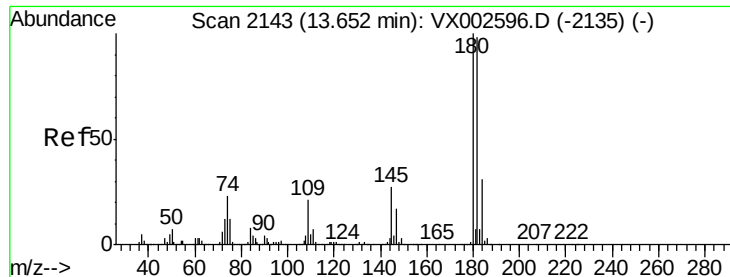


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

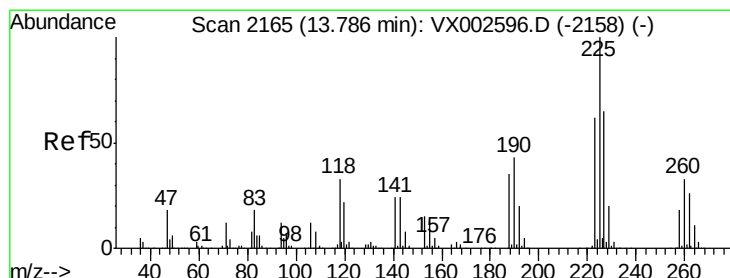
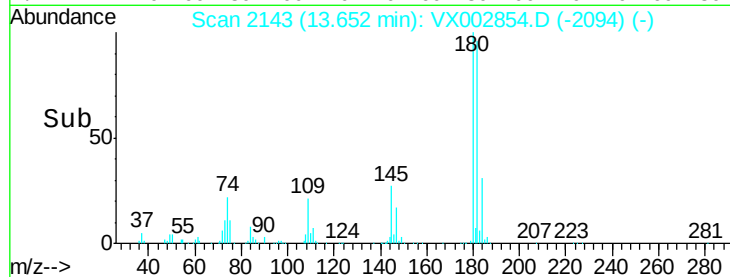
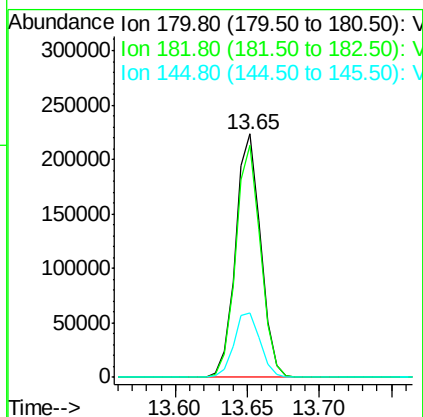
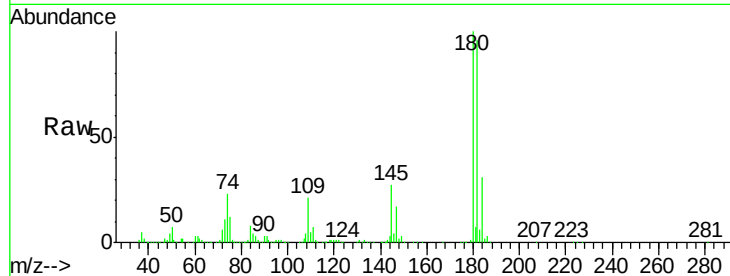




#93
 1,2,4-Trichlorobenzene
 Concen: 51.94 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

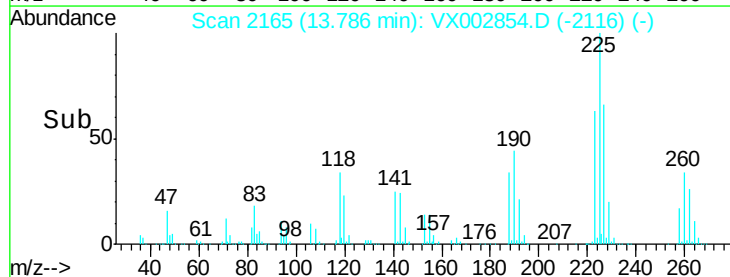
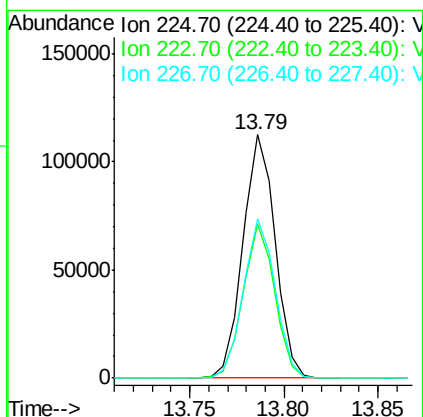
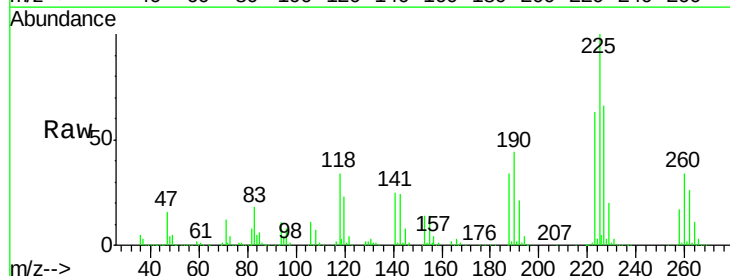
Instrument :
 MSVOA_X
 ClientSampled :

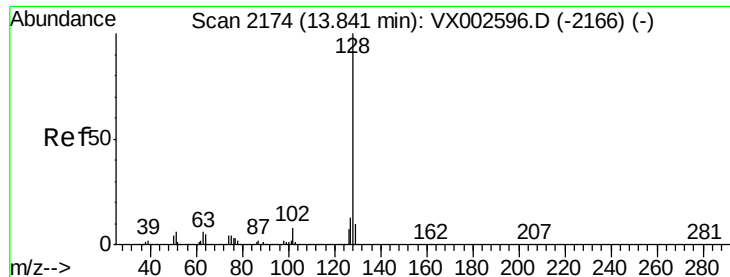
Tot Ion:180 Resp: 270899
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.7 143.1
 145 28.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 48.63 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002854.D
 Acq: 23 Jun 2018 01:44

Tgt Ion:225 Resp: 133620
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.6 95.0
 227 64.6 32.4 97.2





#95

Naphthalene

Concen: 54.67 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

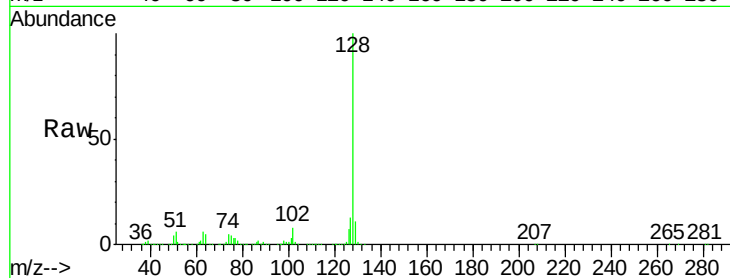
Tot Ion:128 Resp: 767384

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

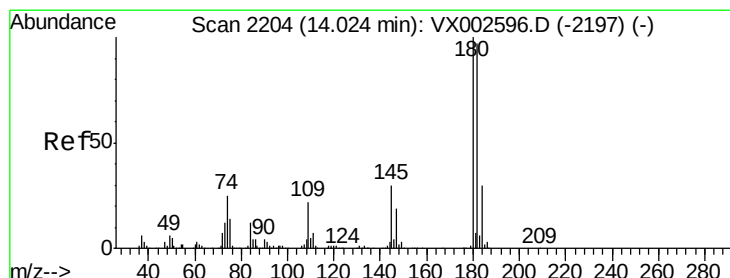
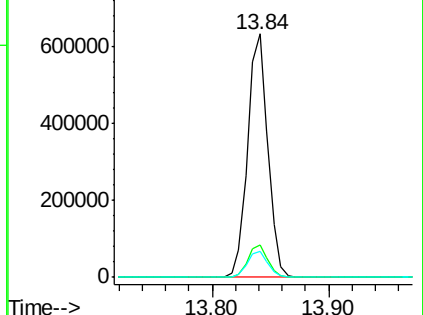
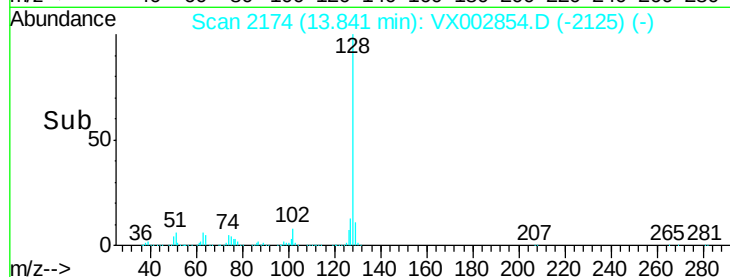
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.69 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002854.D

Acq: 23 Jun 2018 01:44

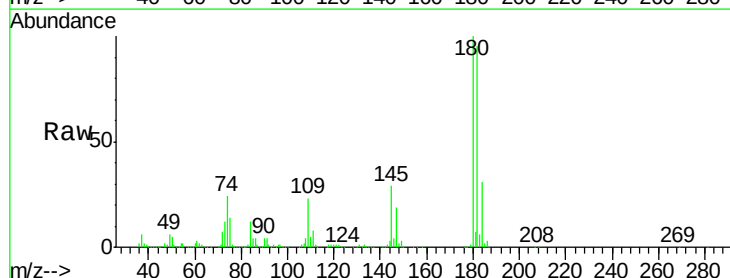
Tgt Ion:180 Resp: 276021

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.0

145 29.1 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

