

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002646.D
 Acq On : 16 Jun 2018 14:15
 Operator : JC/MD
 Sample : J3479-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:12:25 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	209802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163035	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	5.51	113	129055	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.72	98	484479	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.14	95	184976	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	102277	45.92	ug/l	99
3) Chloromethane	1.32	50	115731	43.68	ug/l	100
4) Vinyl Chloride	1.41	62	128291	46.66	ug/l	99
5) Bromomethane	1.64	94	67534	40.71	ug/l	95
6) Chloroethane	1.72	64	87945	48.53	ug/l	98
7) Trichlorofluoromethane	1.93	101	221059	49.49	ug/l	99
8) Diethyl Ether	2.19	74	82059	48.30	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	120260	48.17	ug/l	99
10) Methyl Iodide	2.51	142	128177	39.28	ug/l	98
11) Tert butyl alcohol	3.08	59	207188	314.36	ug/l	100
12) 1,1-Dichloroethene	2.37	96	114057	48.65	ug/l	100
13) Acrolein	2.30	56	72616	235.43	ug/l	99
14) Allyl chloride	2.73	41	213288	45.82	ug/l	99
15) Acrylonitrile	3.15	53	382225	265.76	ug/l	100
16) Acetone	2.45	43	379889	270.08	ug/l	100
17) Carbon Disulfide	2.57	76	278432	50.08	ug/l	98
18) Methyl Acetate	2.78	43	190503	50.84	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	425125	48.34	ug/l	100
20) Methylene Chloride	2.86	84	130603	45.28	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	121513	47.78	ug/l	98
22) Diisopropyl ether	3.88	45	409355	48.61	ug/l	99
23) Vinyl Acetate	3.83	43	1633928	231.82	ug/l	99
24) 1,1-Dichloroethane	3.70	63	230425	50.41	ug/l	100
25) 2-Butanone	4.71	43	527043	285.31	ug/l	98
26) 2,2-Dichloropropane	4.59	77	86820	26.44	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	130872	50.58	ug/l	89
28) Bromochloromethane	5.03	49	111051	51.88	ug/l	96
29) Tetrahydrofuran	5.17	42	341699	282.25	ug/l	98
30) Chloroform	5.22	83	228126	51.76	ug/l	99
31) Cyclohexane	5.58	56	186653	49.60	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	194206	52.68	ug/l	100
36) 1,1-Dichloropropene	5.81	75	162361	48.67	ug/l	99
37) Ethyl Acetate	4.87	43	186808	49.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	172608	51.96	ug/l	99

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Quant Time: Jun 18 06:12:25 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)
39) Methylcyclohexane	7.46	83	184068	47.20	ug/l	99
40) Benzene	6.15	78	527968	52.78	ug/l	100
41) Methacrylonitrile	5.07	41	112529	52.78	ug/l	98
42) 1,2-Dichloroethane	6.20	62	192746	49.77	ug/l	100
43) Isopropyl Acetate	6.47	43	308837	49.37	ug/l	99
44) Trichloroethene	7.22	130	140270	48.58	ug/l	100
45) 1,2-Dichloropropane	7.52	63	128194	48.69	ug/l	99
46) Dibromomethane	7.66	93	90056	51.14	ug/l	99
47) Bromodichloromethane	7.90	83	163642	52.69	ug/l	97
48) Methyl methacrylate	7.78	41	166973	52.23	ug/l	98
49) 1,4-Dioxane	7.76	88	64379	1063.41	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1134860	282.54	ug/l	99
52) Toluene	8.79	92	321797	50.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	173080	42.48	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	163993	42.34	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	131318	50.93	ug/l	98
56) Ethyl methacrylate	9.19	69	209431	52.78	ug/l	97
57) 1,3-Dichloropropane	9.38	76	217800	49.95	ug/l	99
59) 2-Hexanone	9.50	43	898858	296.97	ug/l	98
60) Dibromochloromethane	9.59	129	137478	47.60	ug/l	100
61) 1,2-Dibromoethane	9.68	107	141816	53.11	ug/l	99
64) Tetrachloroethene	9.34	164	148021	42.91	ug/l	98
65) Chlorobenzene	10.15	112	5904729	773.74	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	135625	52.13	ug/l	99
67) Ethyl Benzene	10.26	91	641186	49.81	ug/l	98
68) m/p-Xylenes	10.37	106	490370	98.76	ug/l	99
69) o-Xylene	10.70	106	241018	49.41	ug/l	98
70) Styrene	10.71	104	406130	50.62	ug/l	99
71) Bromoform	10.86	173	109619	46.64	ug/l	98
73) Isopropylbenzene	11.02	105	651774	47.78	ug/l	99
74) N-amyl acetate	6.47	43	308837	45.57	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	206720	51.32	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	225106	58.49	ug/l	79
77) Bromobenzene	11.26	156	183364	48.25	ug/l	97
78) n-propylbenzene	11.37	91	738169	47.18	ug/l	99
79) 2-Chlorotoluene	11.43	91	443110	47.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	553515	48.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	40813	35.28	ug/l	94
82) 4-Chlorotoluene	11.51	91	527642	47.87	ug/l	99
83) tert-Butylbenzene	11.77	119	547531	49.30	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	567997	48.29	ug/l	99
85) sec-Butylbenzene	11.95	105	658076	47.66	ug/l	99
86) p-Isopropyltoluene	12.07	119	596728	47.76	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	982369	140.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	2289001	322.79	ug/l	99
89) n-Butylbenzene	12.40	91	594517	53.94	ug/l	99
90) Hexachloroethane	12.60	117	87707	45.29	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	13010690	1854.83	ug/l	82
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48736	57.76	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	286925	56.36	ug/l	100

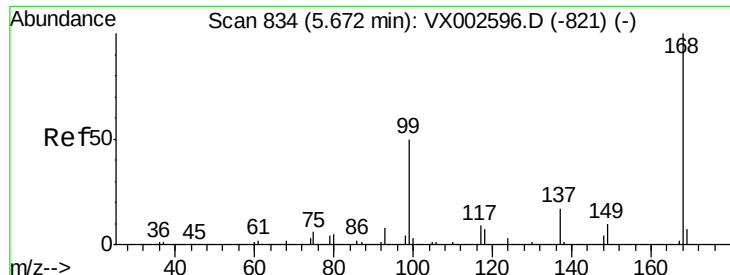
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	121739	45.40	ug/l	100
95) Naphthalene	13.84	128	740937	54.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	280612	54.88	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: VX002646.D

Acq: 16 Jun 2018 14:15

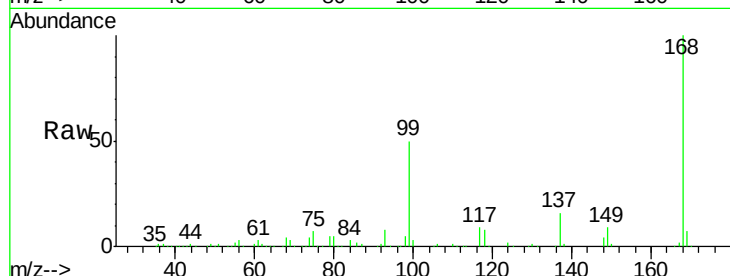
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 209802

Ion Ratio Lower Upper

168 100

99 50.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

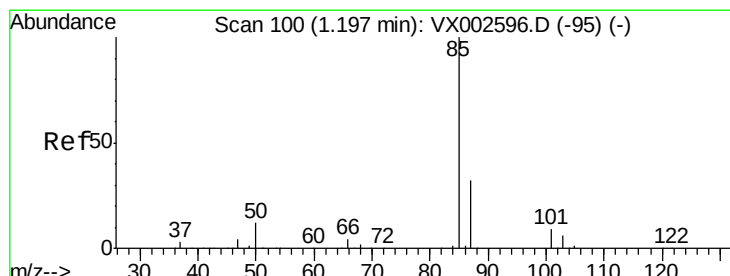
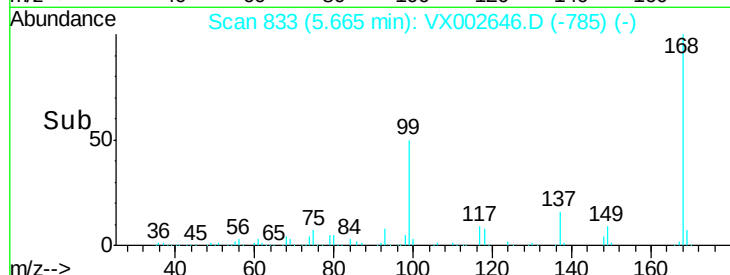
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.92 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002646.D

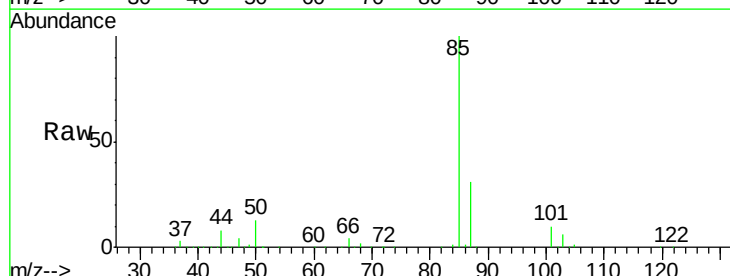
Acq: 16 Jun 2018 14:15

Tgt Ion: 85 Resp: 102277

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

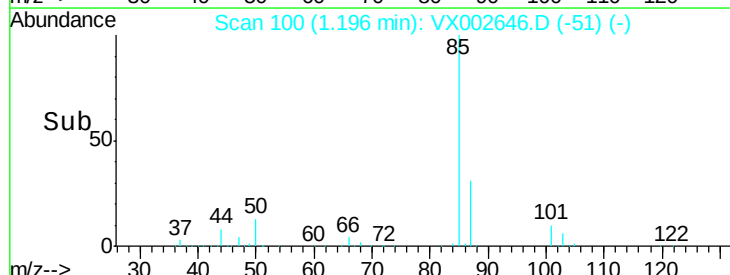
60000

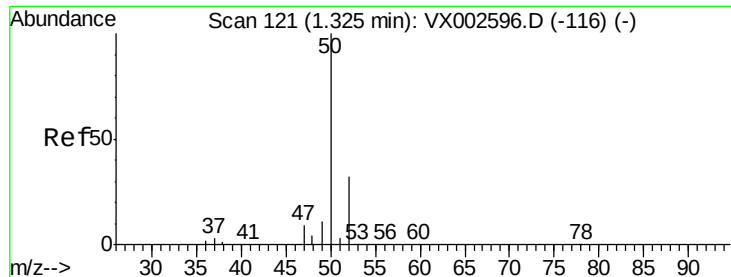
40000

20000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.68 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

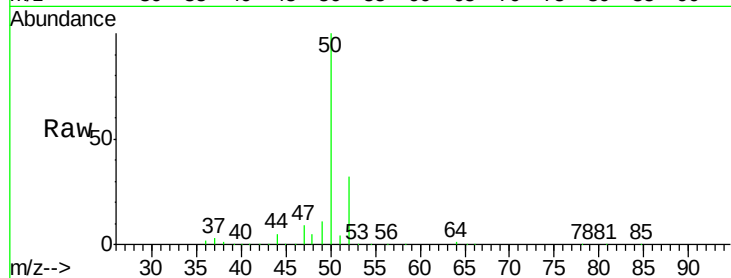
ClientSampled :

Tot Ion: 50 Resp: 115731

Ion Ratio Lower Upper

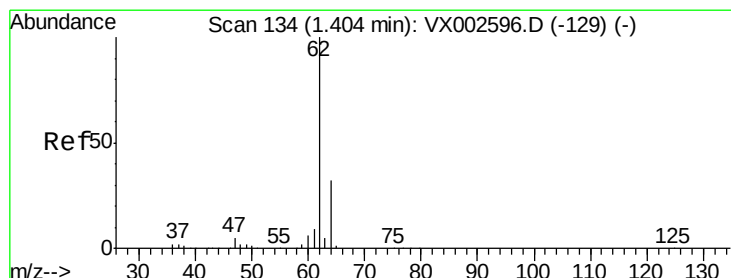
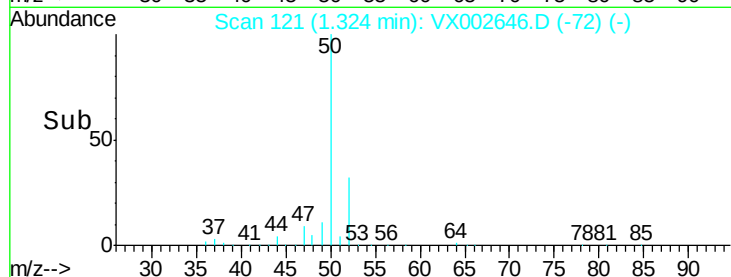
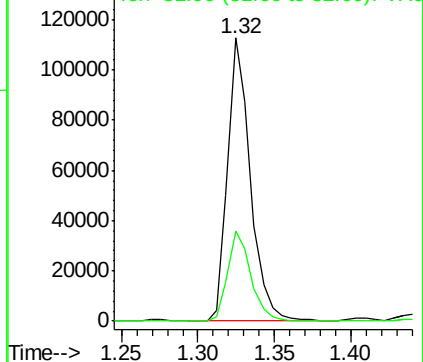
50 100

52 31.8 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: 46.66 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002646.D

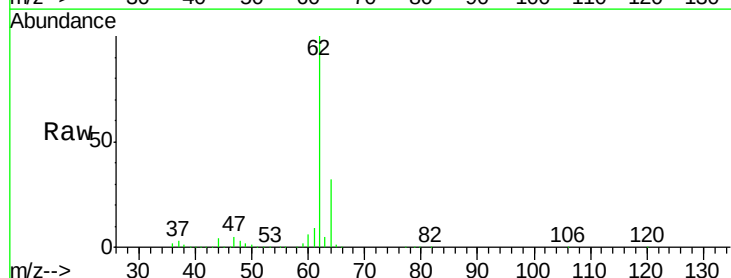
Acq: 16 Jun 2018 14:15

Tgt Ion: 62 Resp: 128291

Ion Ratio Lower Upper

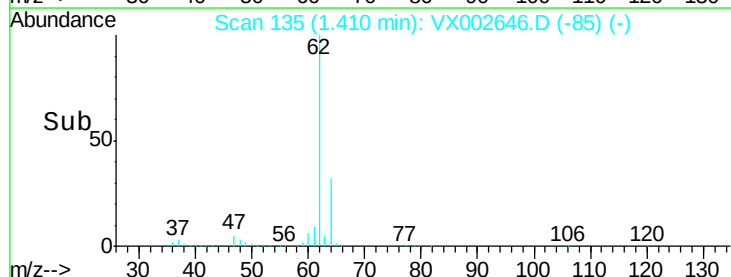
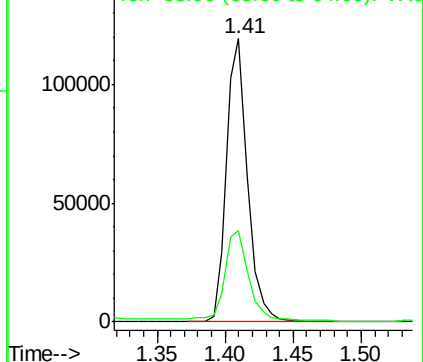
62 100

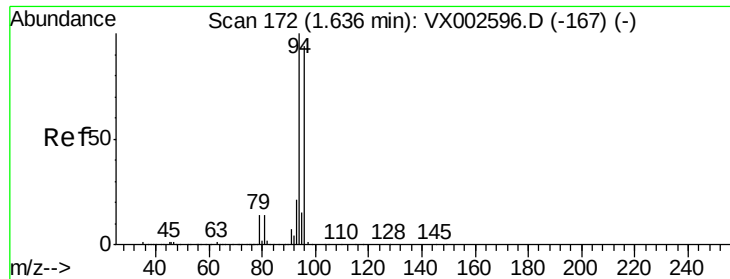
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.71 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

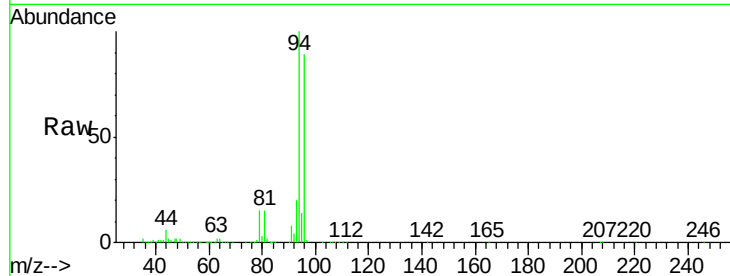
ClientSampleId :

Tot Ion: 94 Resp: 67534

Ion Ratio Lower Upper

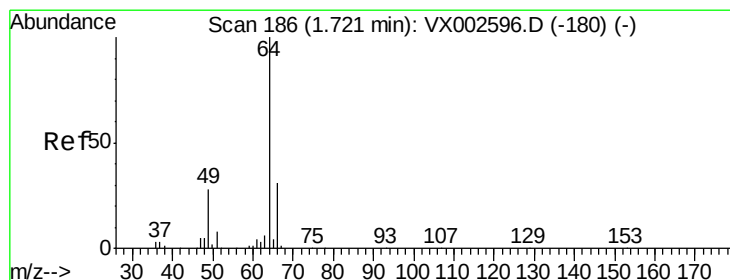
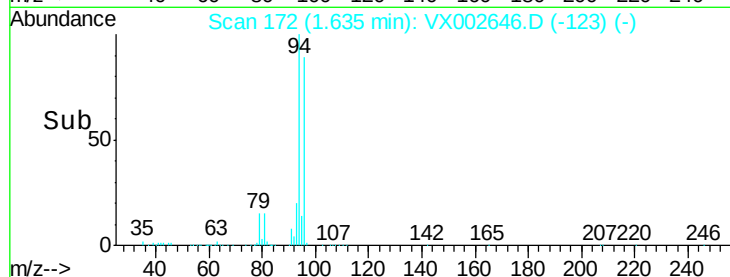
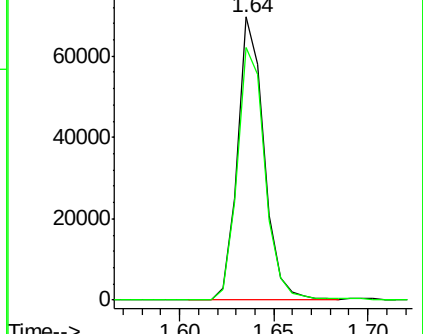
94 100

96 89.3 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: 48.53 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002646.D

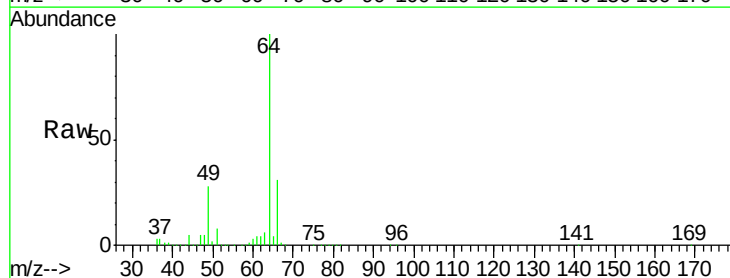
Acq: 16 Jun 2018 14:15

Tgt Ion: 64 Resp: 87945

Ion Ratio Lower Upper

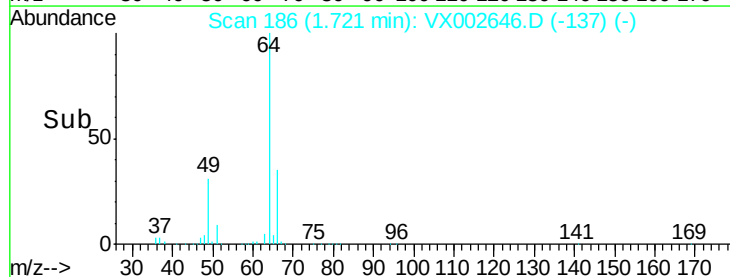
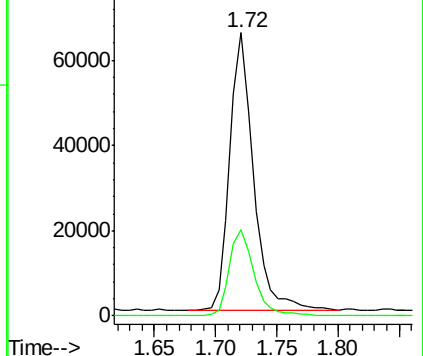
64 100

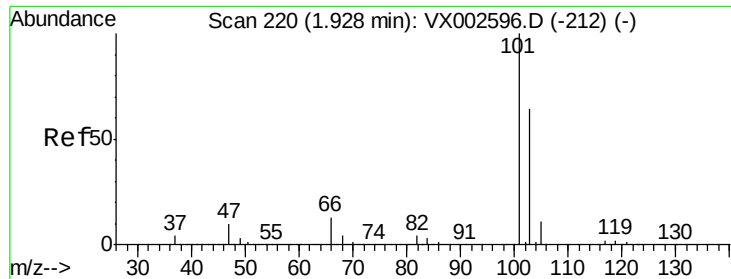
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



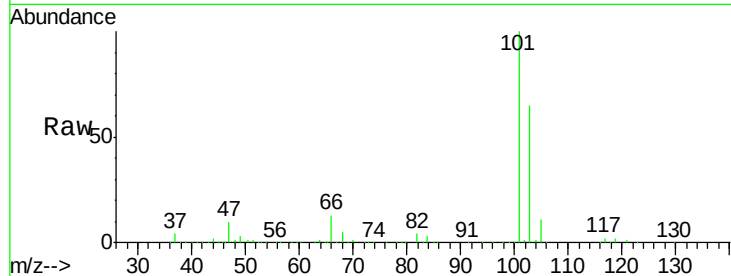


#7

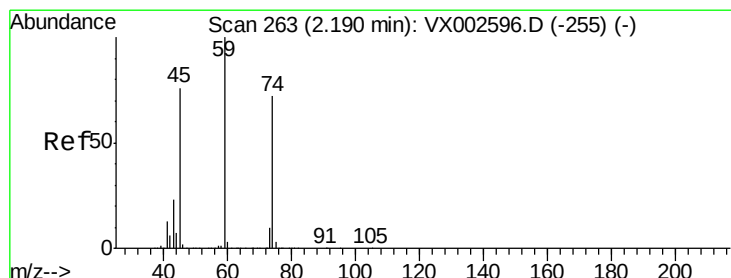
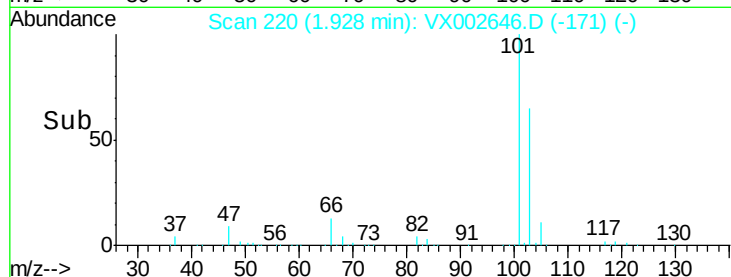
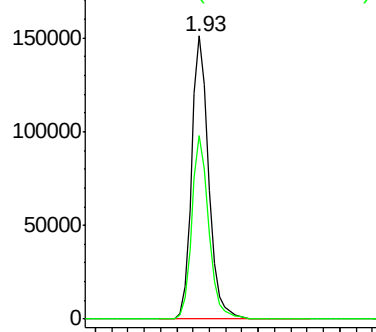
Trichlorofluoromethane
Concen: 49.49 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 221059
Ion Ratio Lower Upper
101 100
103 64.9 52.8 79.2



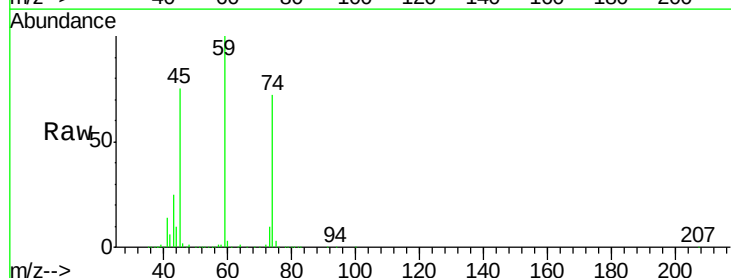
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



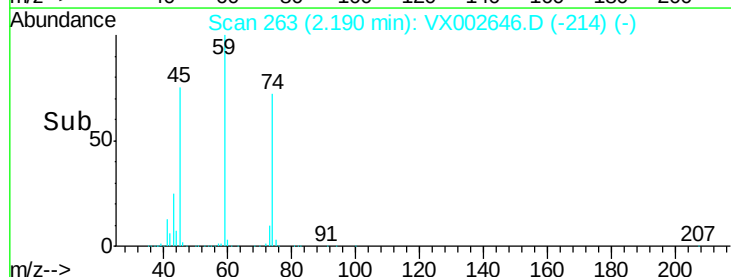
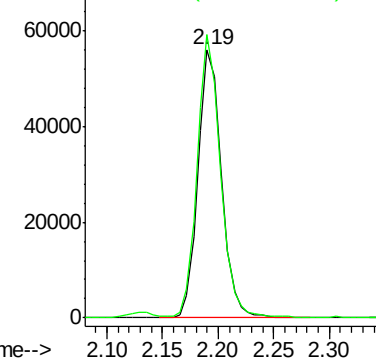
#8

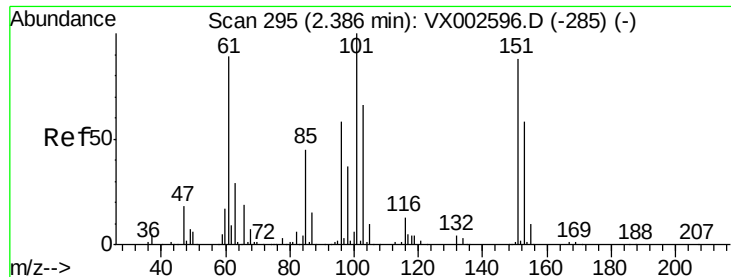
Diethyl Ether
Concen: 48.30 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 74 Resp: 82059
Ion Ratio Lower Upper
74 100
45 103.7 53.1 159.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.17 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

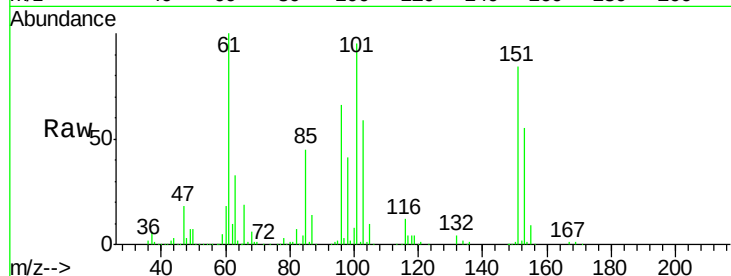
Tot Ion:101 Resp: 120260

Ion Ratio Lower Upper

101 100

85 46.1 36.0 54.0

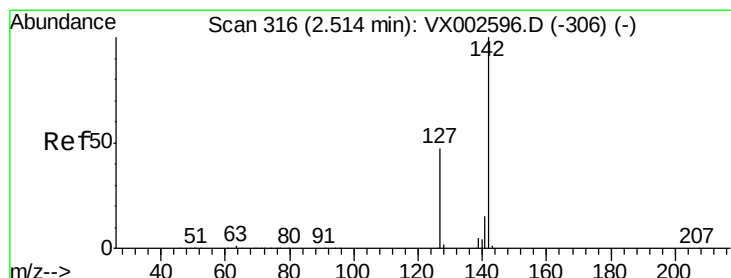
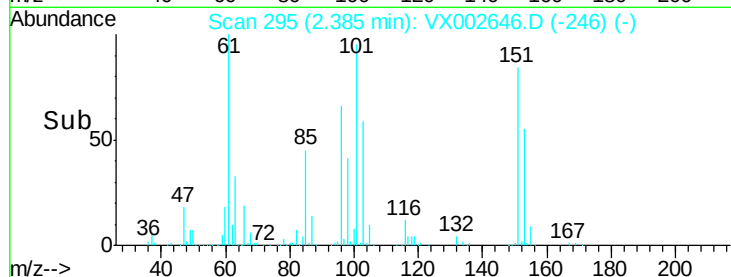
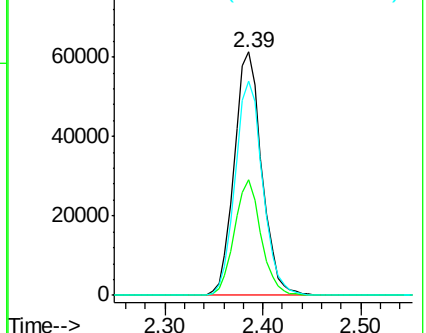
151 88.3 70.9 106.3



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: 39.28 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

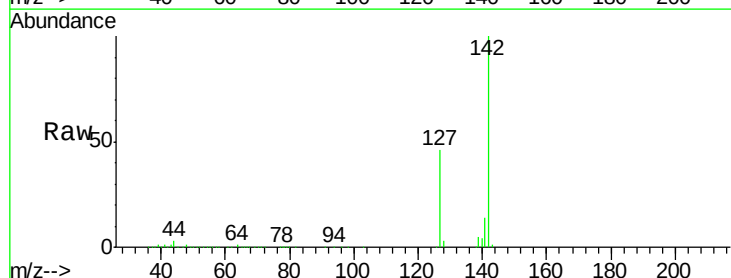
Tgt Ion:142 Resp: 128177

Ion Ratio Lower Upper

142 100

127 47.4 36.6 55.0

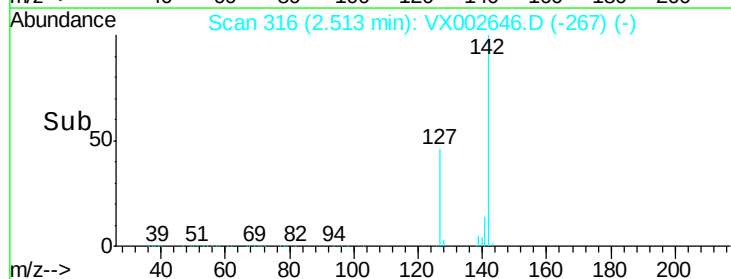
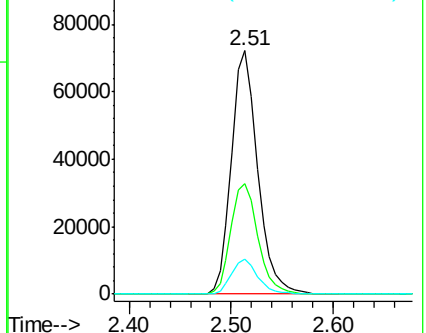
141 14.4 11.3 16.9

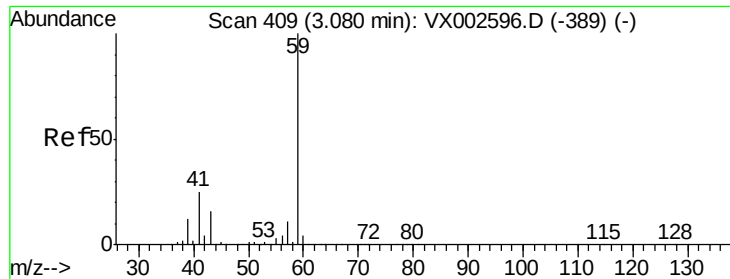


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

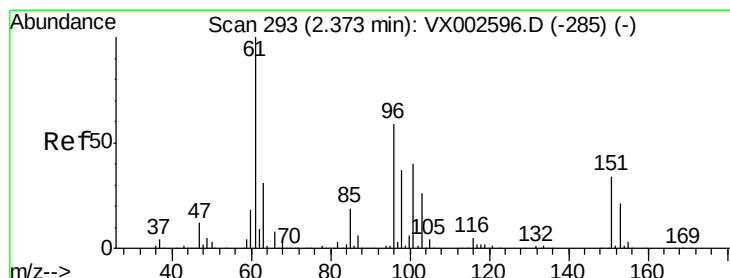
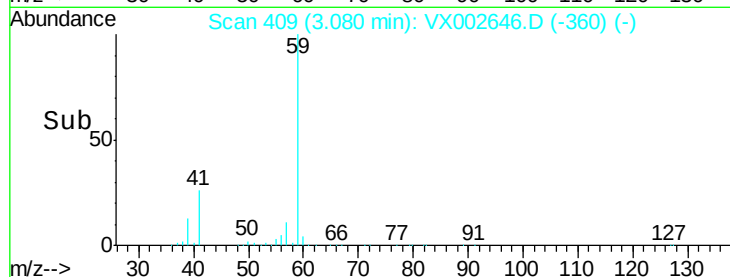
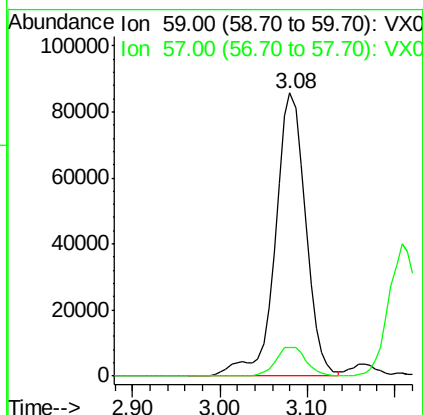
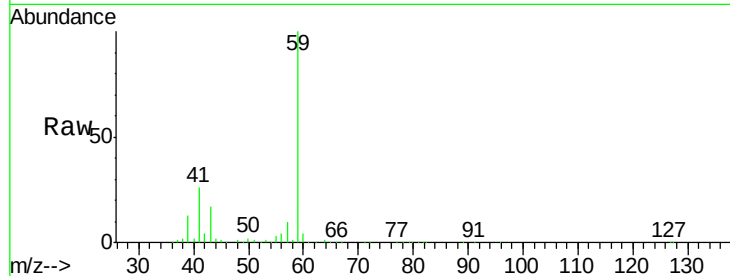




#11
Tert butyl alcohol
Concen: 314.36 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

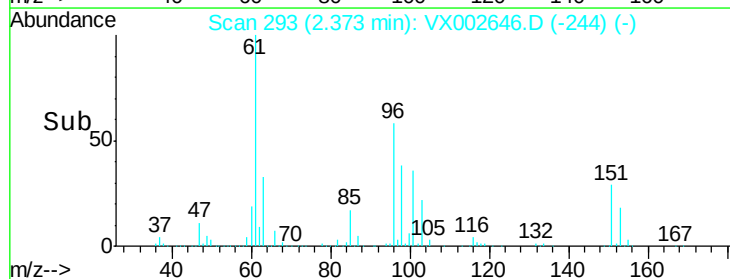
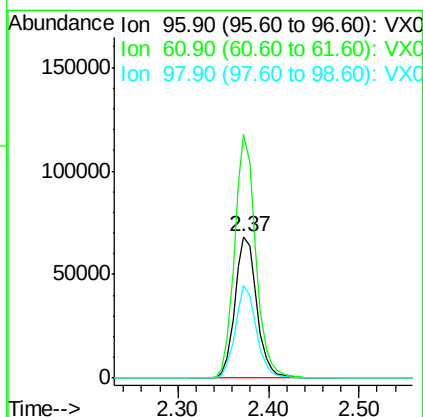
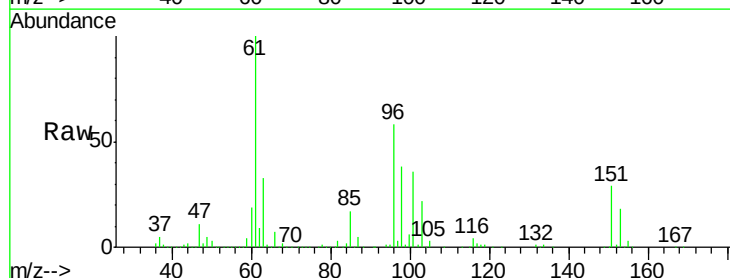
Instrument :
MSVOA_X
ClientSampled :

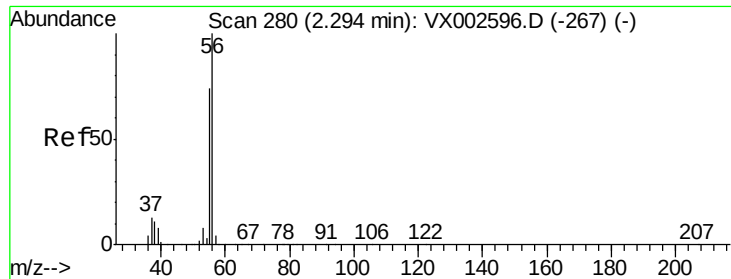
Tot Ion: 59 Resp: 207188
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.65 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 96 Resp: 114057
Ion Ratio Lower Upper
96 100
61 172.1 137.9 206.9
98 65.2 51.6 77.4





#13

Acrolein

Concen: 235.43 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

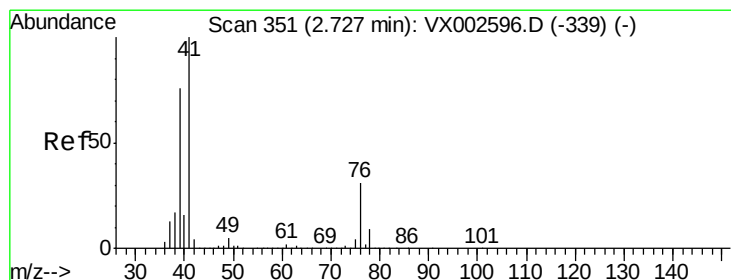
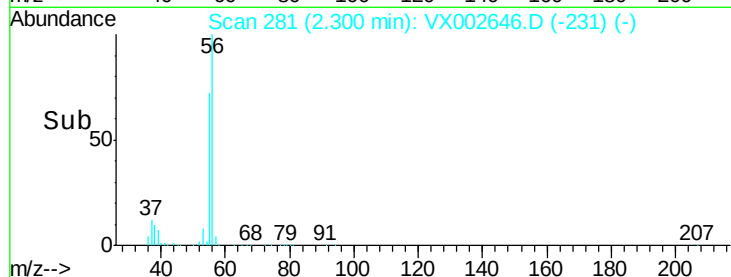
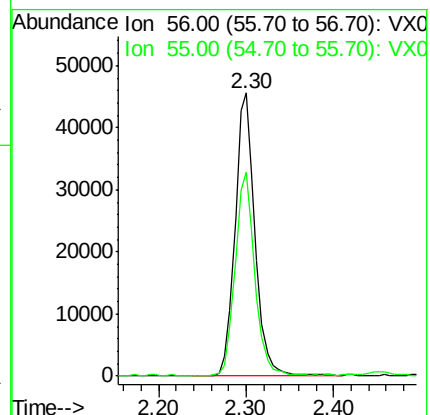
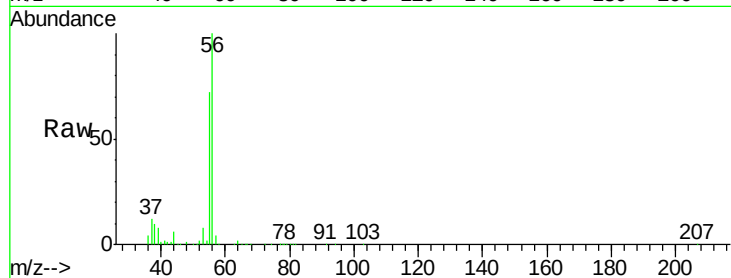
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 72616

Ion Ratio Lower Upper

56 100

55 70.6 57.0 85.4



#14

Allyl chloride

Concen: 45.82 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

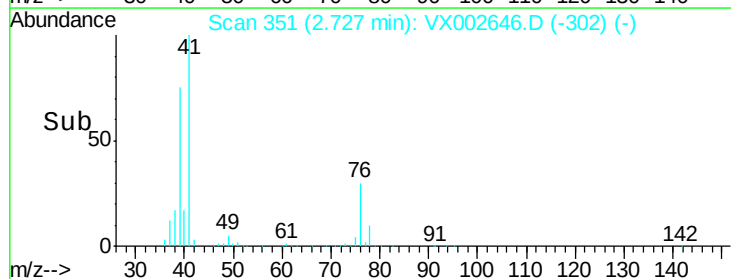
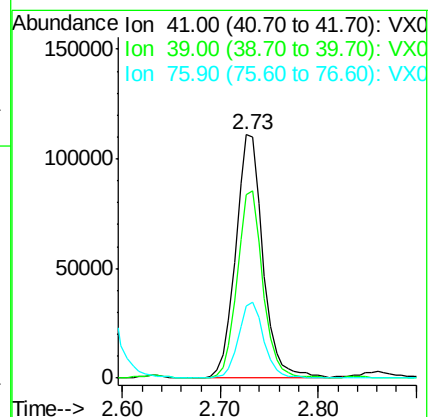
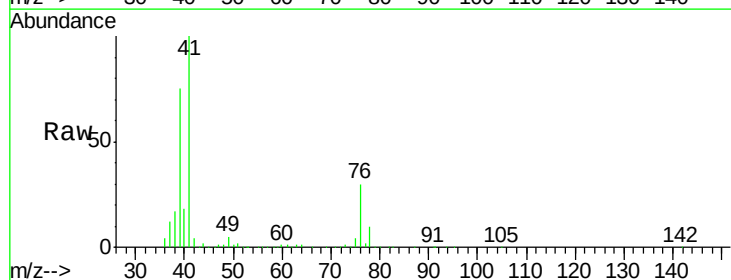
Tgt Ion: 41 Resp: 213288

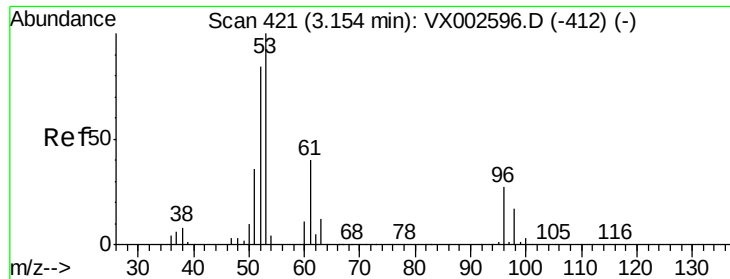
Ion Ratio Lower Upper

41 100

39 72.5 56.8 85.2

76 29.5 23.8 35.8





#15

Acrylonitrile

Concen: 265.76 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

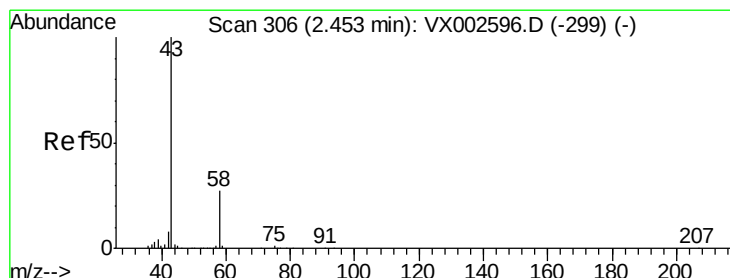
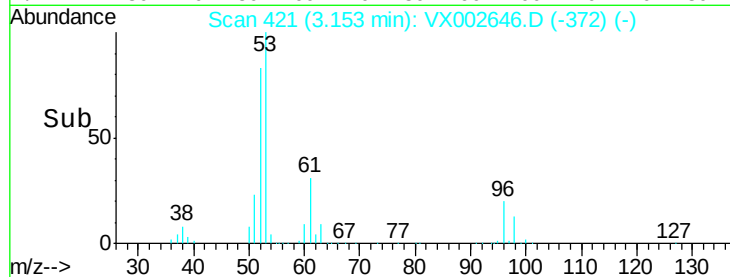
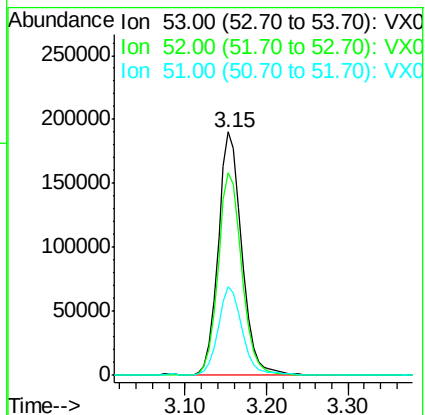
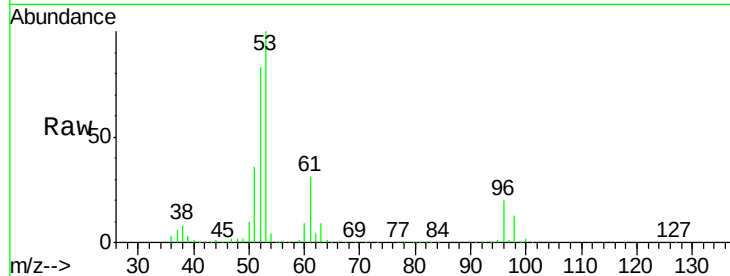
Tot Ion: 53 Resp: 382225

Ion Ratio Lower Upper

53 100

52 83.6 66.7 100.1

51 36.8 29.9 44.9



#16

Acetone

Concen: 270.08 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002646.D

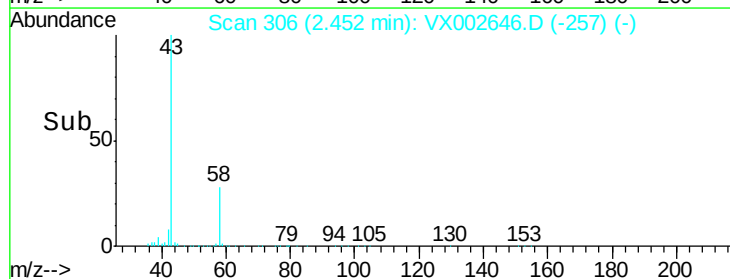
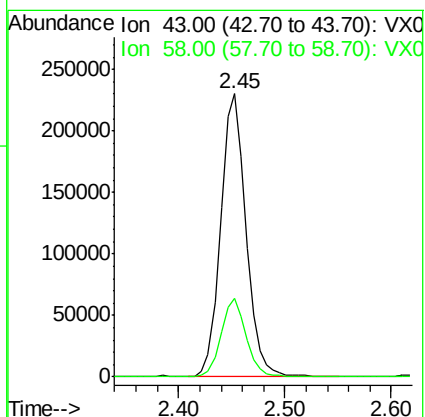
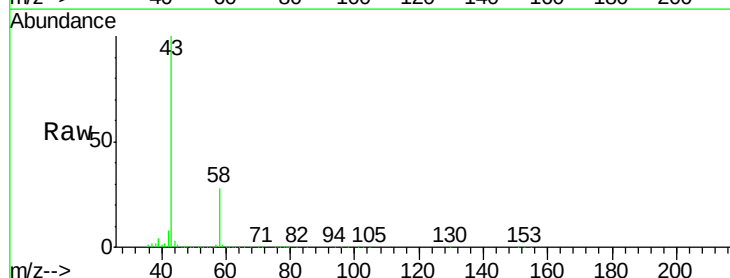
Acq: 16 Jun 2018 14:15

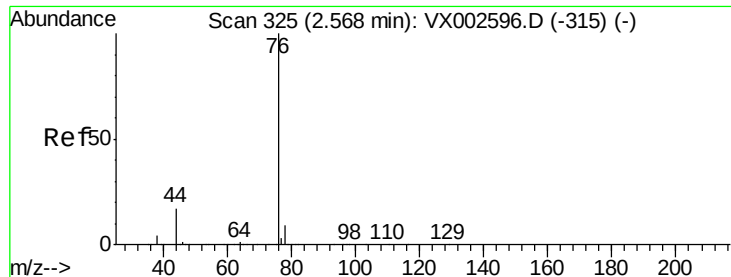
Tgt Ion: 43 Resp: 379889

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1





#17

Carbon Disulfide

Concen: 50.08 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

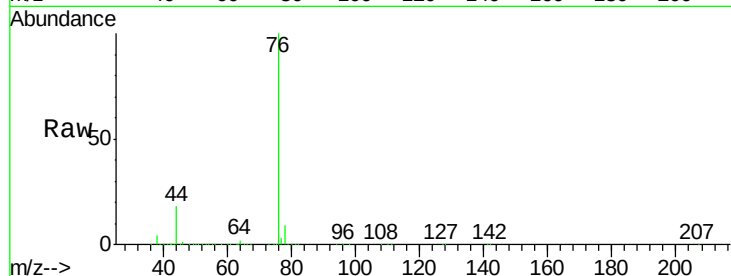
ClientSampleId :

Tot Ion: 76 Resp: 278432

Ion Ratio Lower Upper

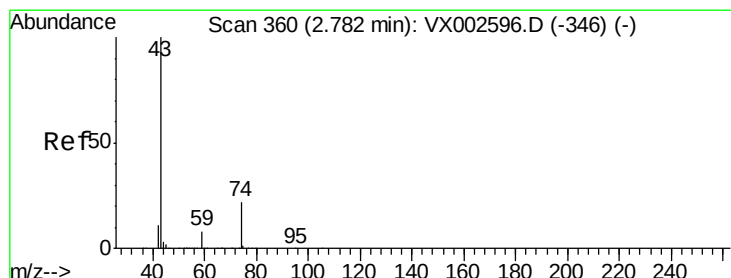
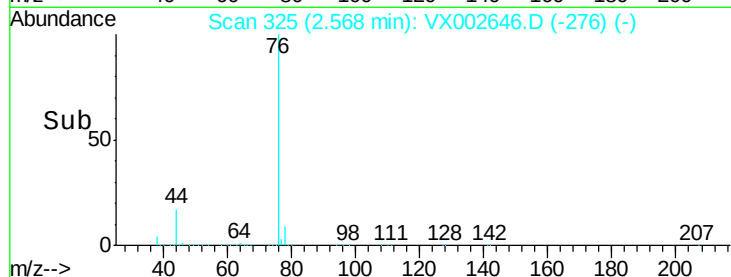
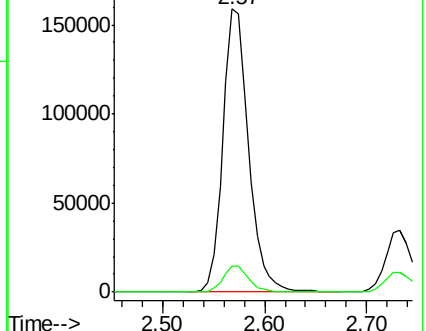
76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.84 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002646.D

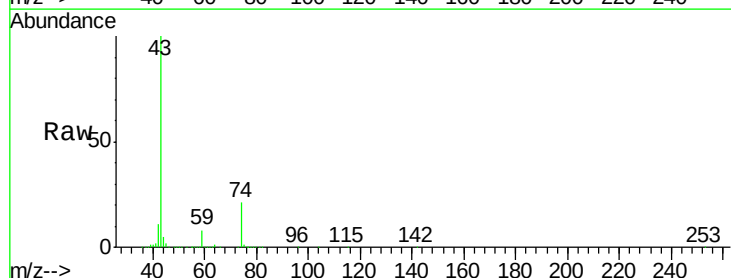
Acq: 16 Jun 2018 14:15

Tgt Ion: 43 Resp: 190503

Ion Ratio Lower Upper

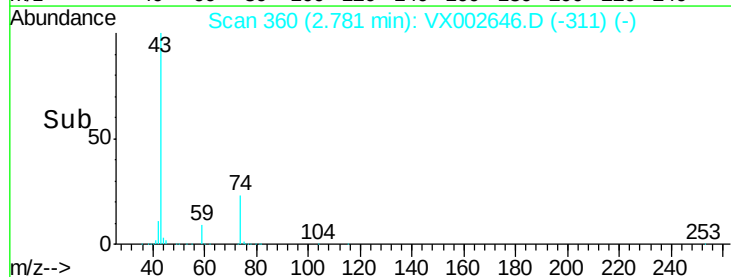
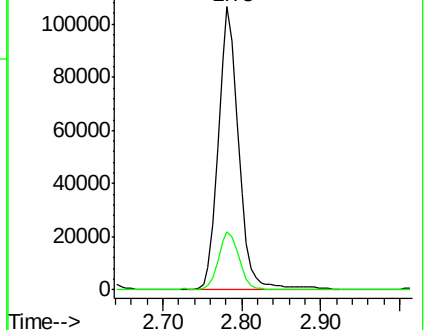
43 100

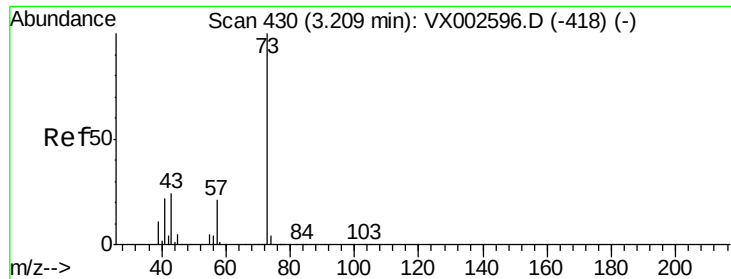
74 20.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 48.34 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

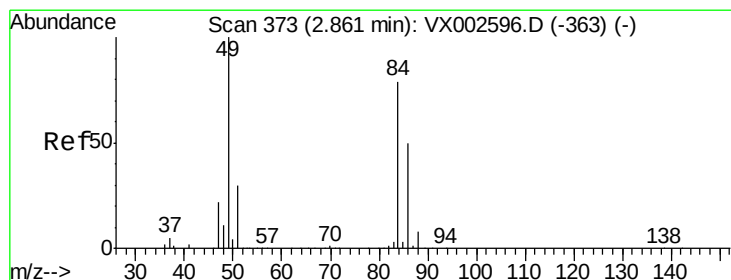
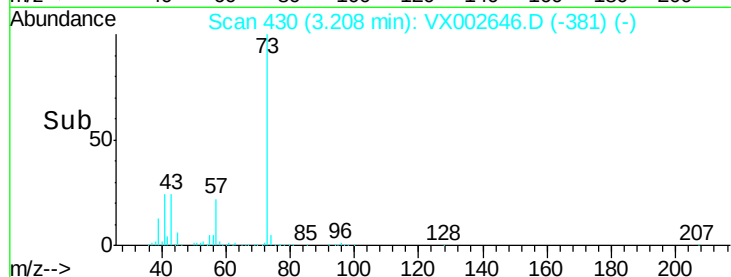
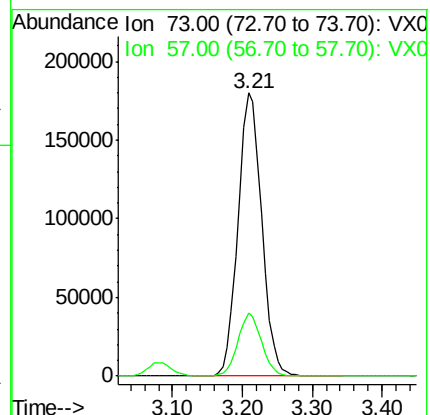
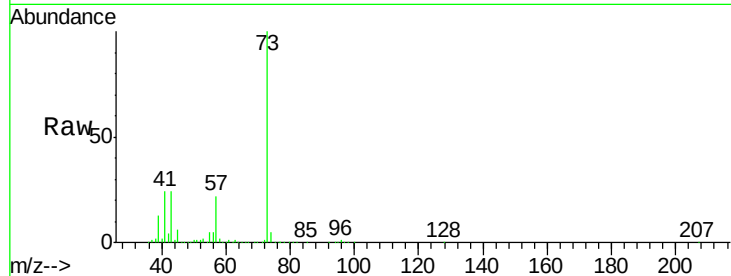
ClientSampleId :

Tot Ion: 73 Resp: 425125

Ion Ratio Lower Upper

73 100

57 22.3 17.7 26.5



#20

Methylene Chloride

Concen: 45.28 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Tgt Ion: 84 Resp: 130603

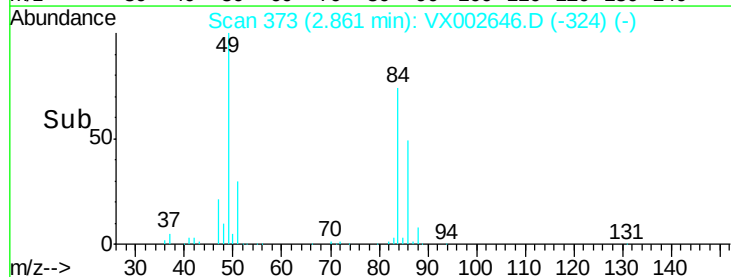
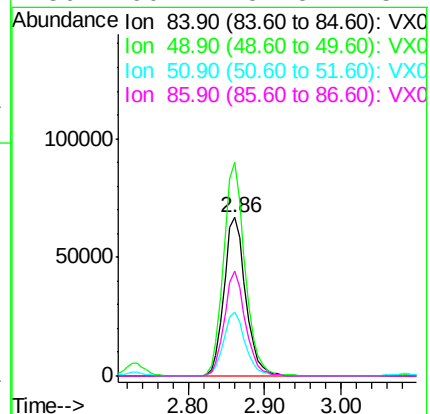
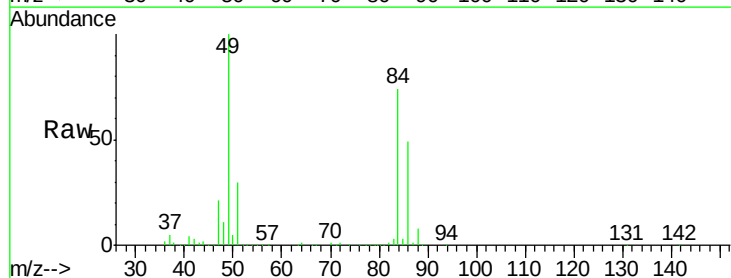
Ion Ratio Lower Upper

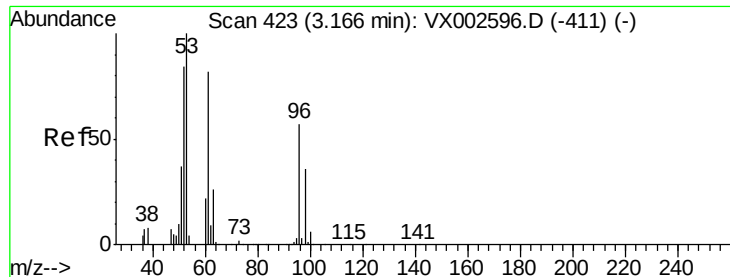
84 100

49 135.0 107.8 161.6

51 40.1 32.8 49.2

86 66.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

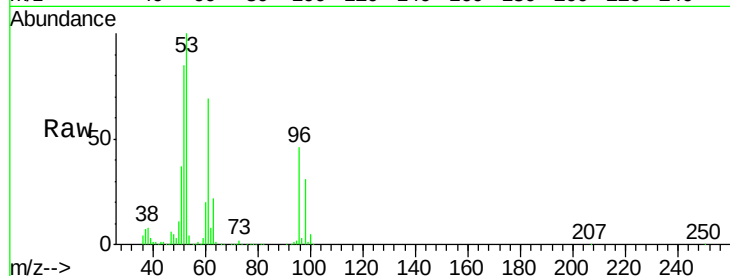
Tot Ion: 96 Resp: 121513

Ion Ratio Lower Upper

96 100

61 149.3 117.0 175.4

98 66.4 52.4 78.6

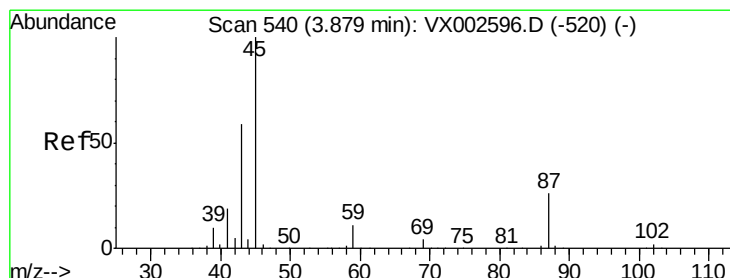
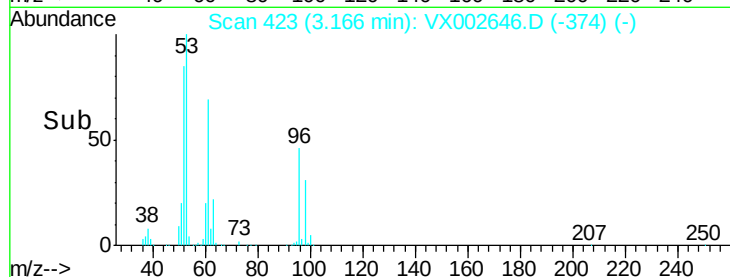
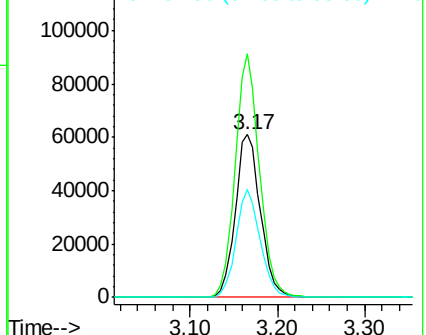


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.61 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Tgt Ion: 45 Resp: 409355

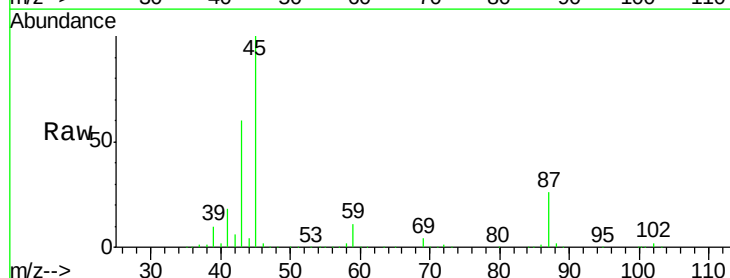
Ion Ratio Lower Upper

45 100

43 59.5 46.8 70.2

87 25.8 20.2 30.4

59 10.6 8.7 13.1



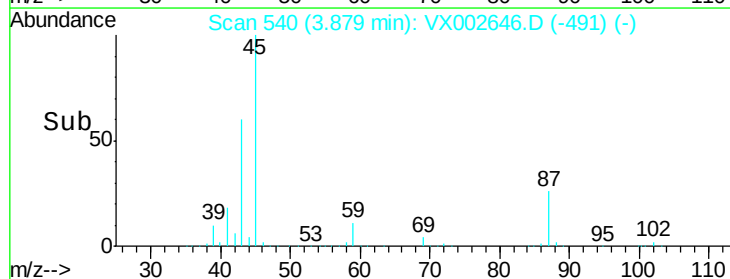
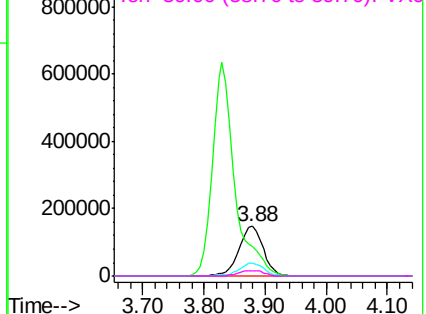
Abundance

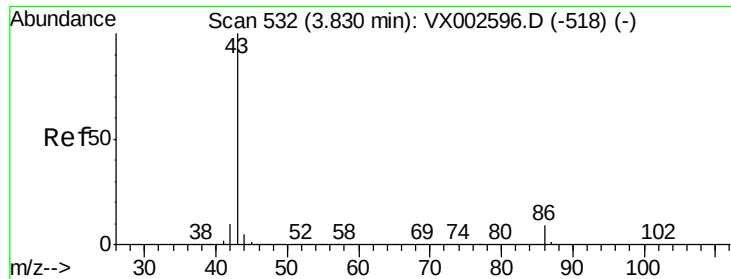
Ion 45.00 (44.70 to 45.70): VX0

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: 231.82 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

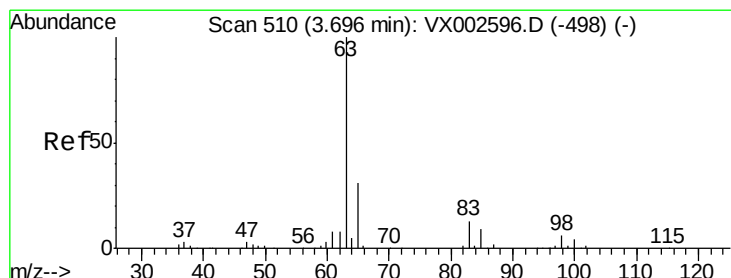
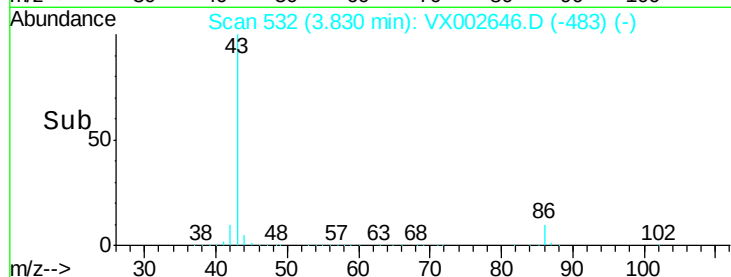
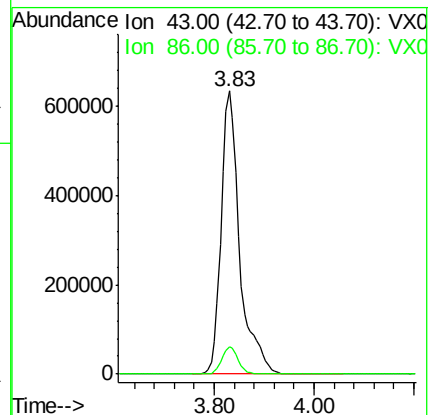
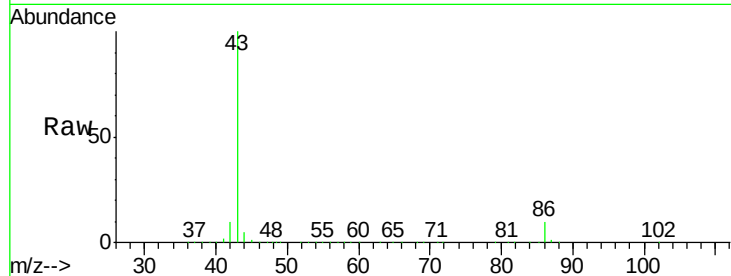
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1633928

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.0



#24

1,1-Dichloroethane

Concen: 50.41 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

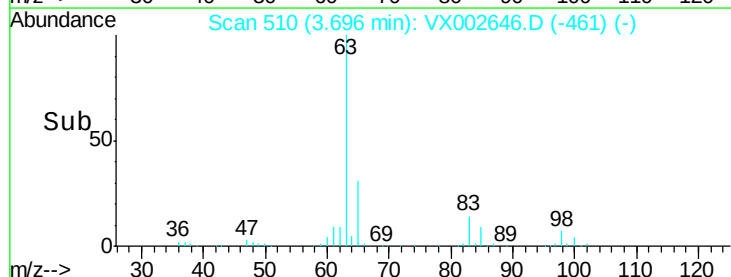
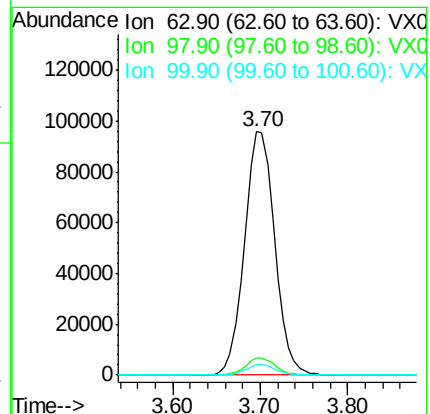
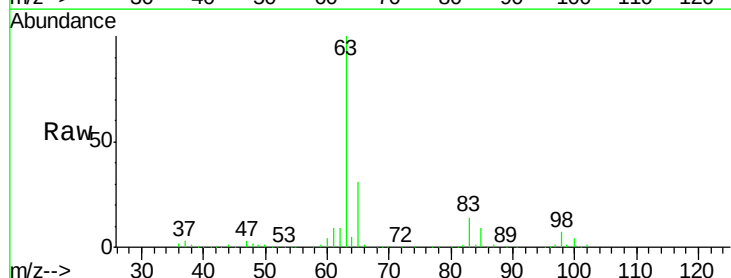
Tgt Ion: 63 Resp: 230425

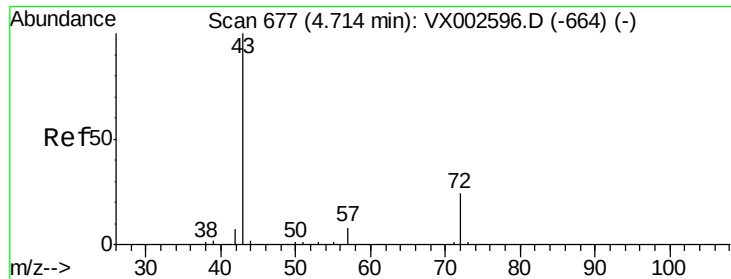
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 285.31 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

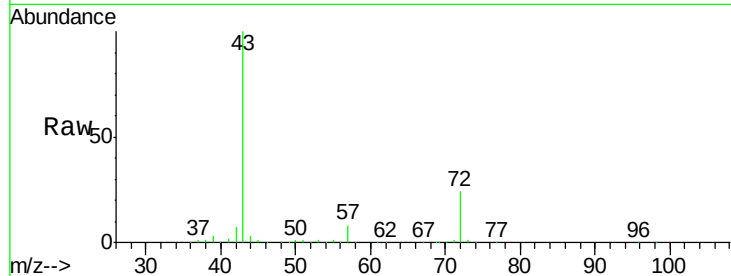
ClientSampleId :

Tot Ion: 43 Resp: 527043

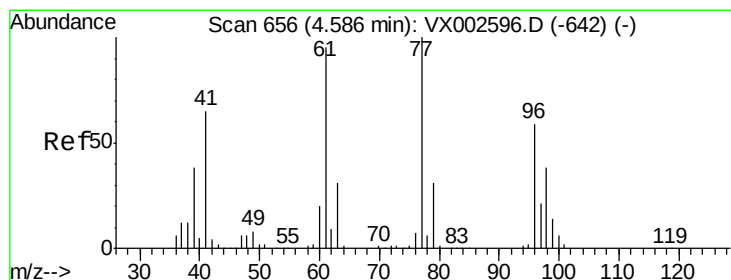
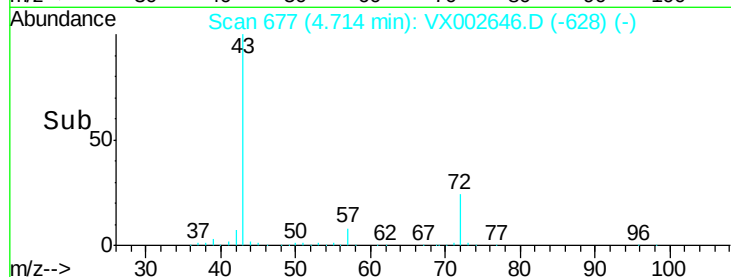
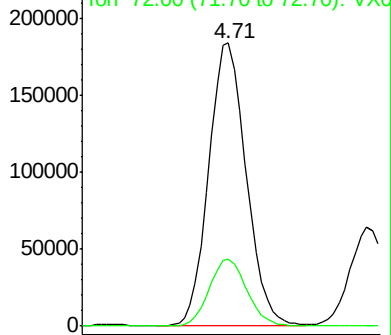
Ion Ratio Lower Upper

43 100

72 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 26.44 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002646.D

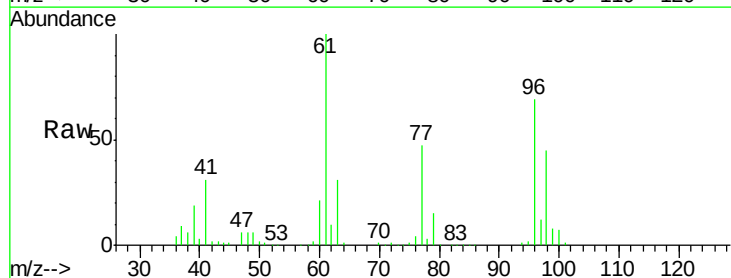
Acq: 16 Jun 2018 14:15

Tgt Ion: 77 Resp: 86820

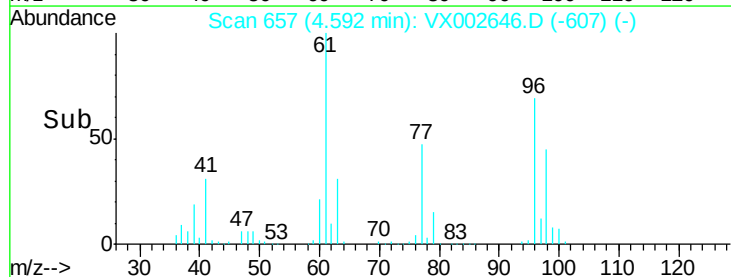
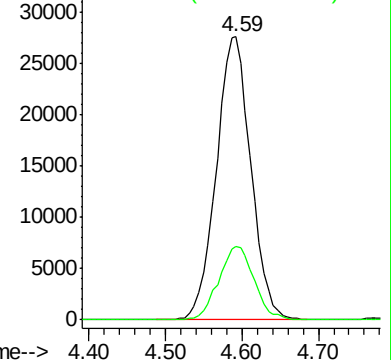
Ion Ratio Lower Upper

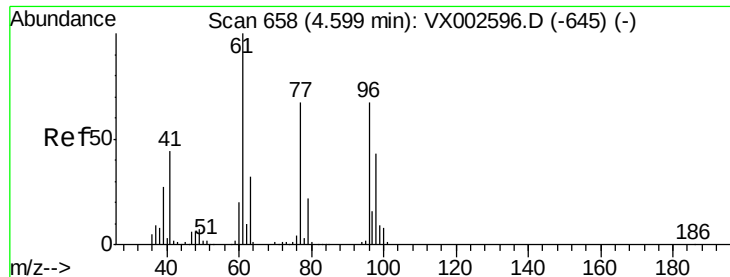
77 100

97 26.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 50.58 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampled :

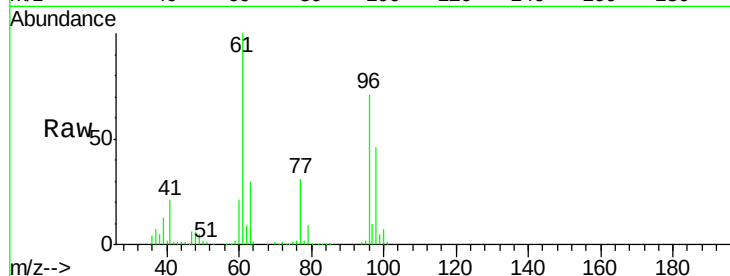
Tot Ion: 96 Resp: 130872

Ion Ratio Lower Upper

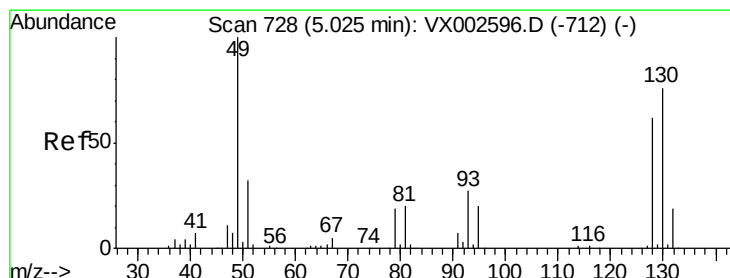
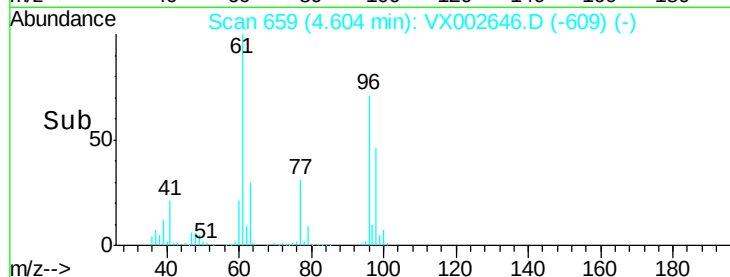
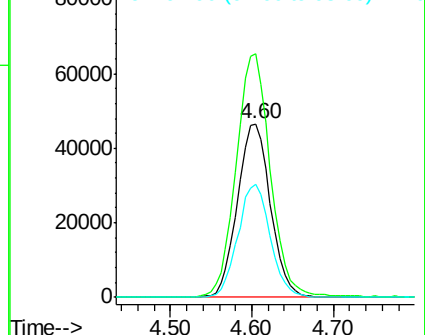
96 100

61 145.4 0.0 330.2

98 63.9 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: 51.88 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

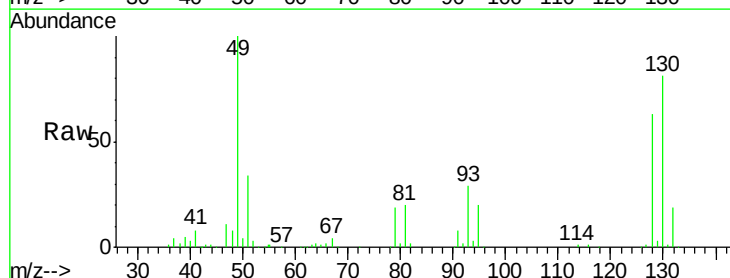
Tgt Ion: 49 Resp: 111051

Ion Ratio Lower Upper

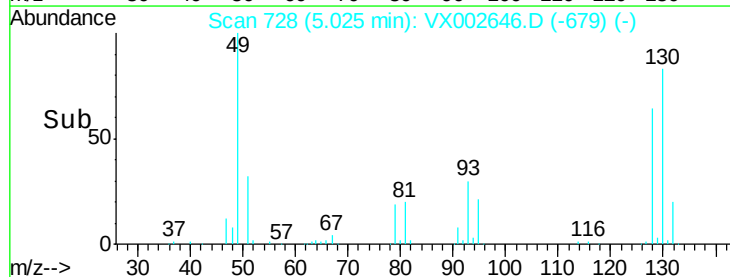
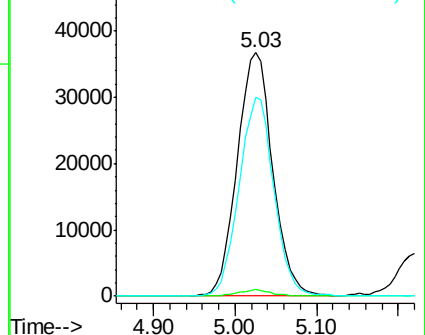
49 100

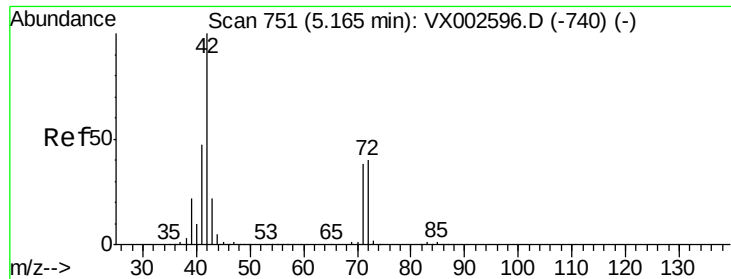
129 2.3 0.0 4.2

130 79.9 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

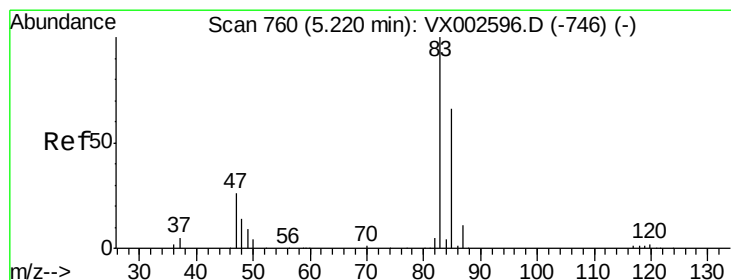
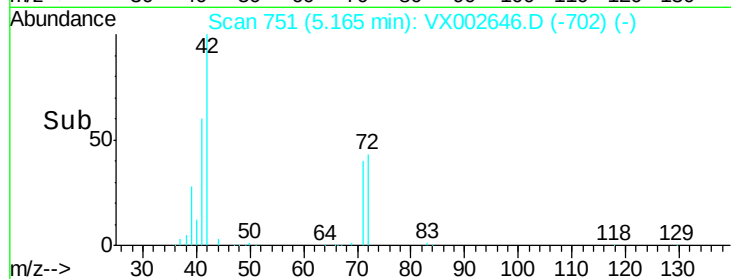
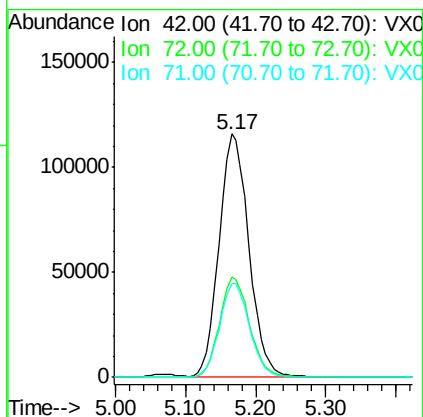
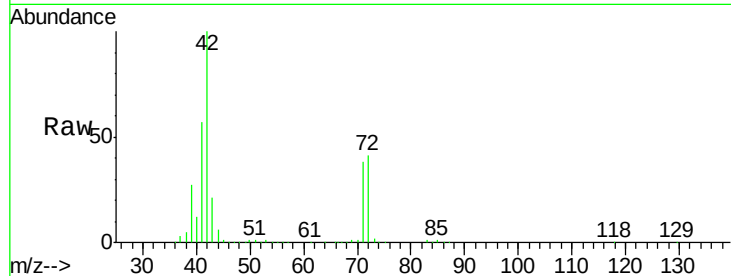




#29
Tetrahydrofuran
Concen: 282.25 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

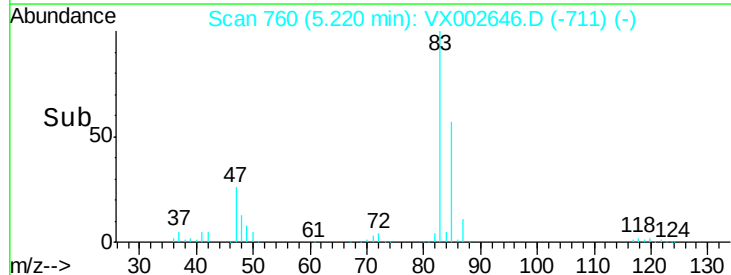
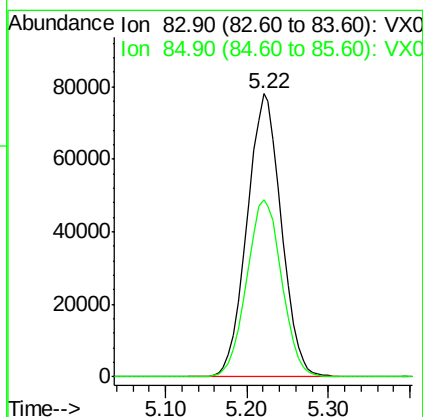
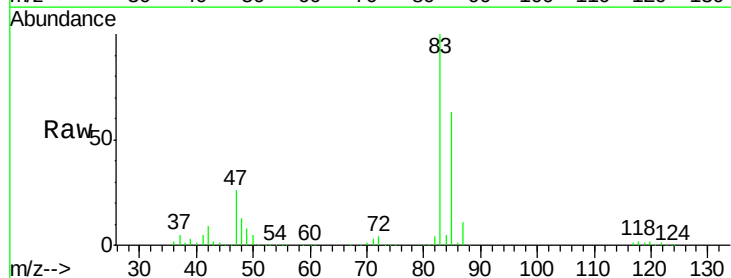
Instrument :
MSVOA_X
ClientSampled :

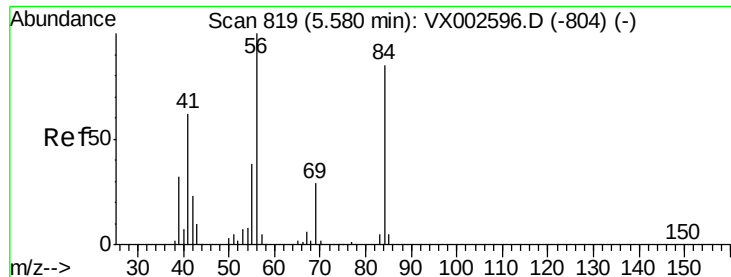
Tot Ion: 42 Resp: 341699
Ion Ratio Lower Upper
42 100
72 41.5 32.0 48.0
71 38.9 30.1 45.1



#30
Chloroform
Concen: 51.76 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 83 Resp: 228126
Ion Ratio Lower Upper
83 100
85 62.6 50.4 75.6

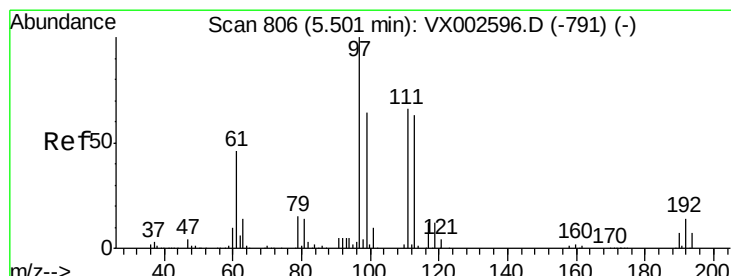
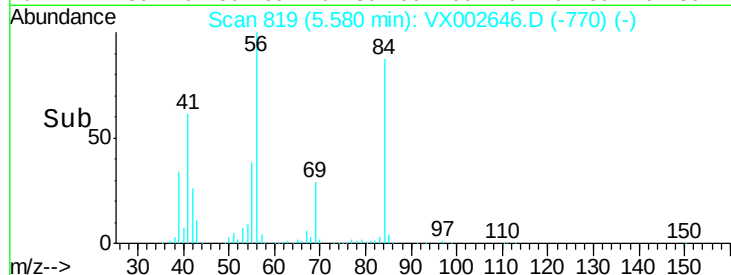
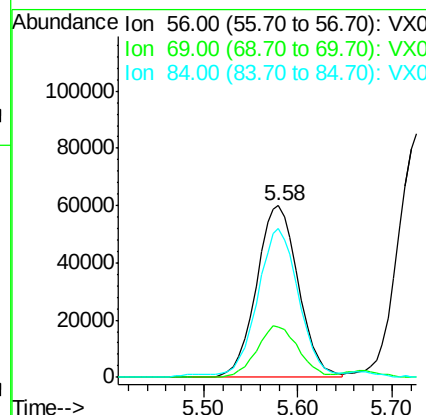
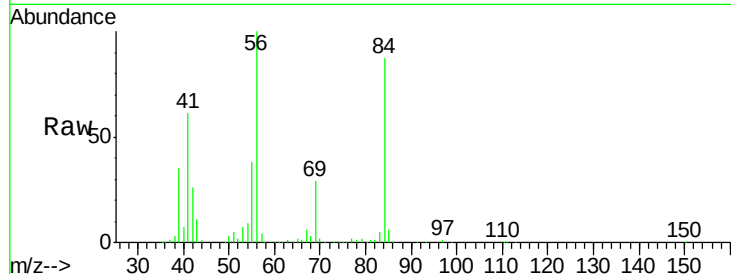




#31
Cyclohexane
Concen: 49.60 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

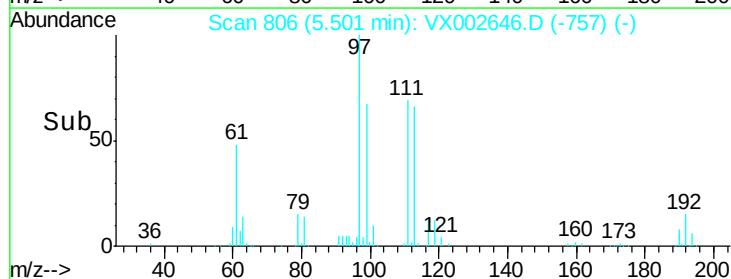
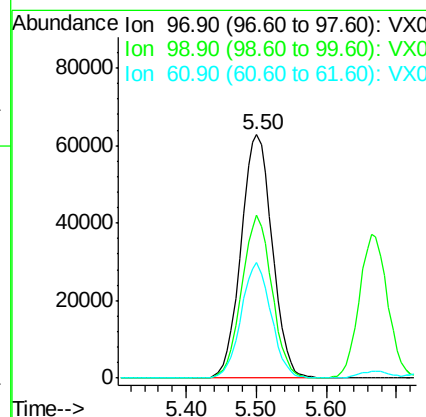
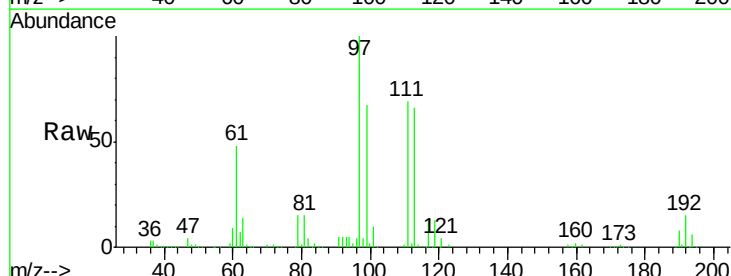
Instrument :
MSVOA_X
ClientSampled :

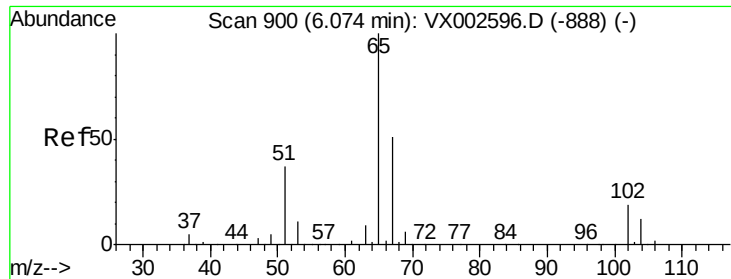
Tot Ion: 56 Resp: 186653
Ion Ratio Lower Upper
56 100
69 29.4 23.7 35.5
84 84.9 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 52.68 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 97 Resp: 194206
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 45.7 36.4 54.6

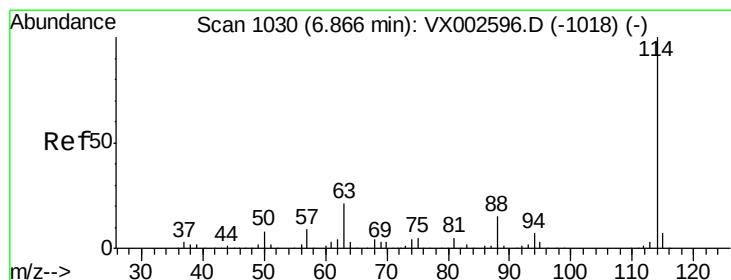
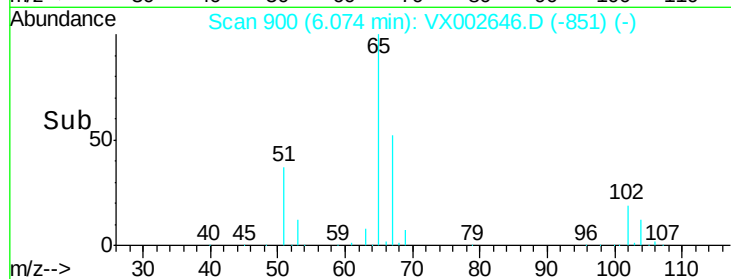
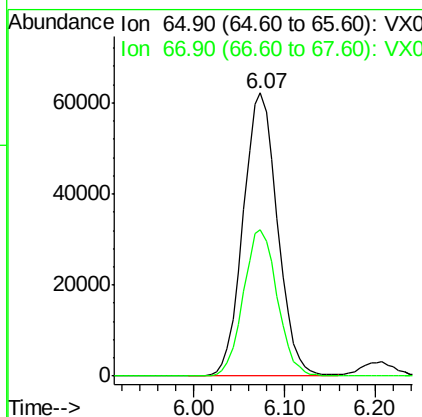
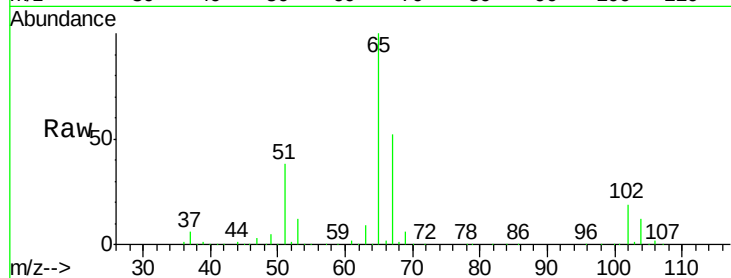




#33
 1,2-Dichloroethane-d4
 Concen: 51.14 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

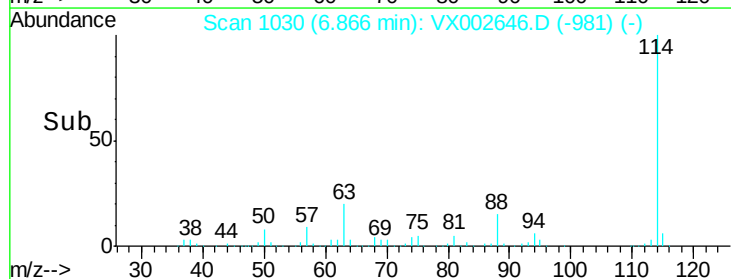
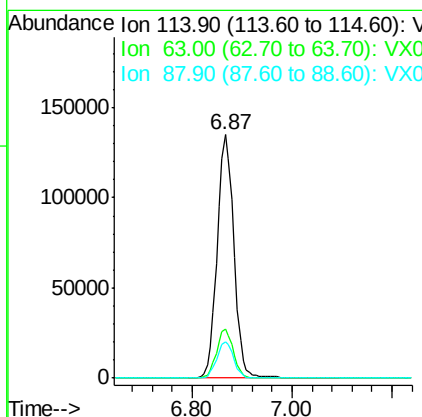
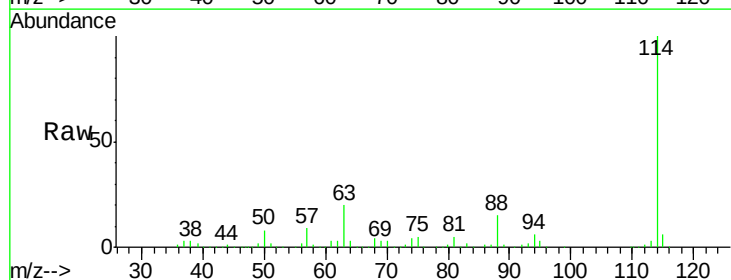
Instrument :
 MSVOA_X
 ClientSampleId :

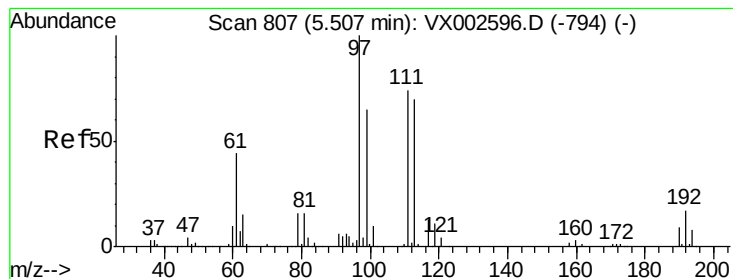
Tot Ion: 65 Resp: 163035
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion: 114 Resp: 314102
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.48 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

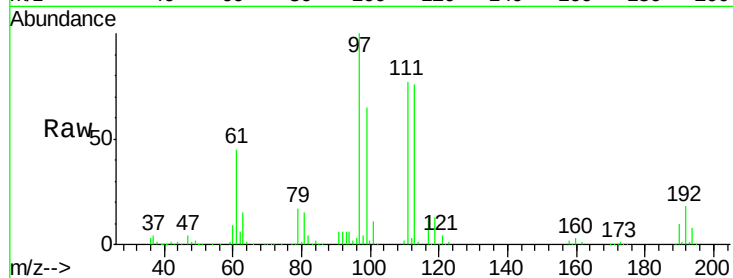
Tot Ion:113 Resp: 129055

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

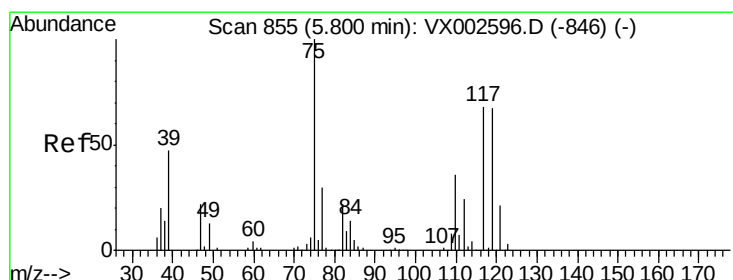
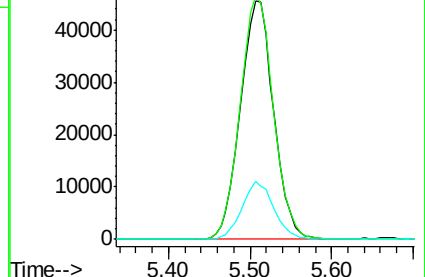
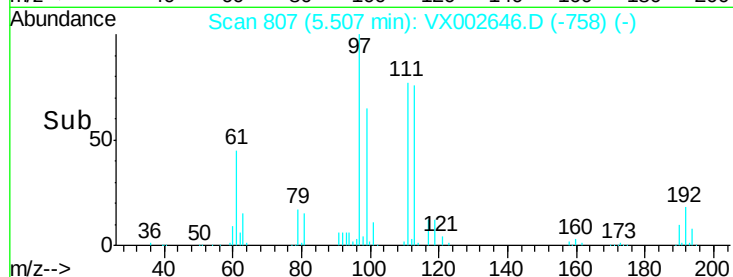
192 23.4 19.1 28.7



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: 48.67 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

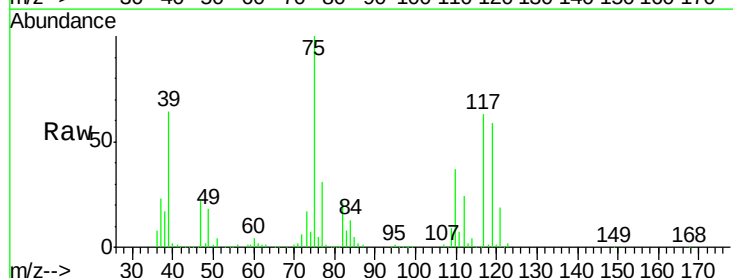
Tgt Ion: 75 Resp: 162361

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.4

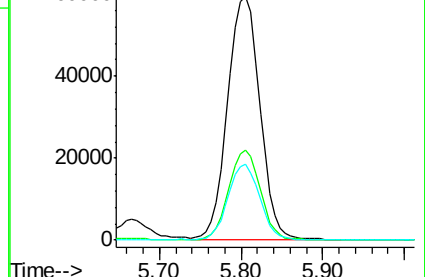
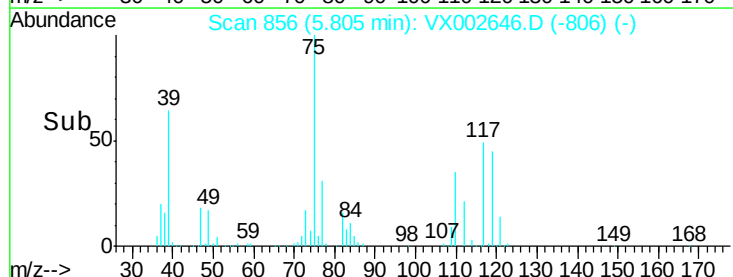
77 31.0 24.3 36.5

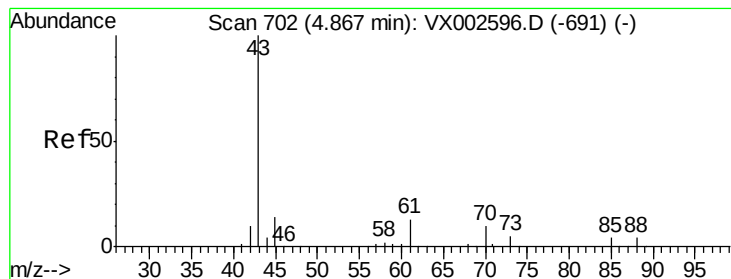


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.47 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

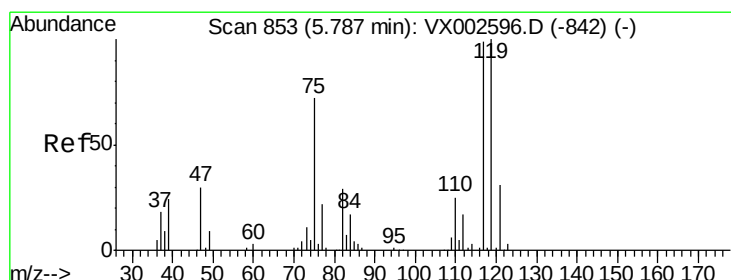
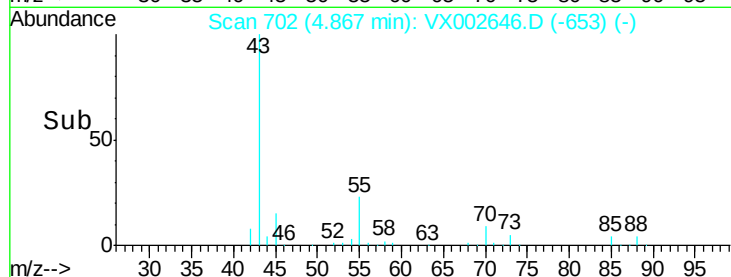
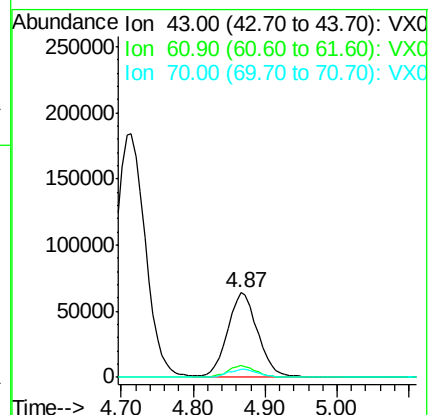
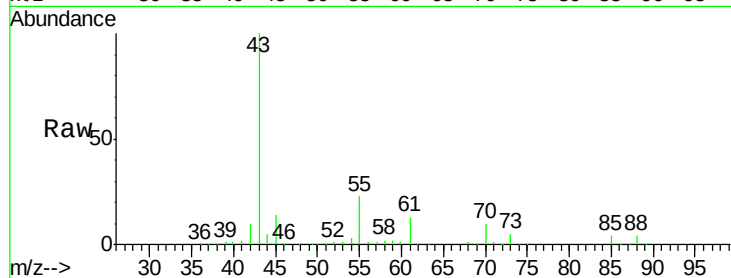
Tot Ion: 43 Resp: 186808

Ion Ratio Lower Upper

43 100

61 13.3 10.4 15.6

70 9.5 7.6 11.4



#38

Carbon Tetrachloride

Concen: 51.96 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

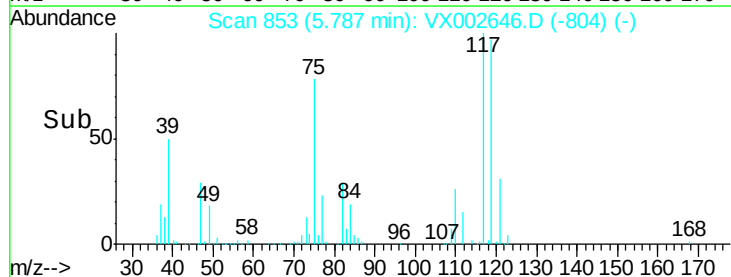
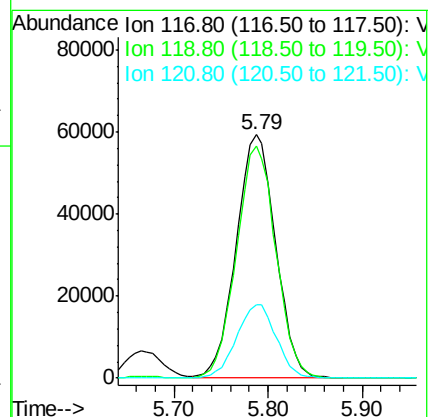
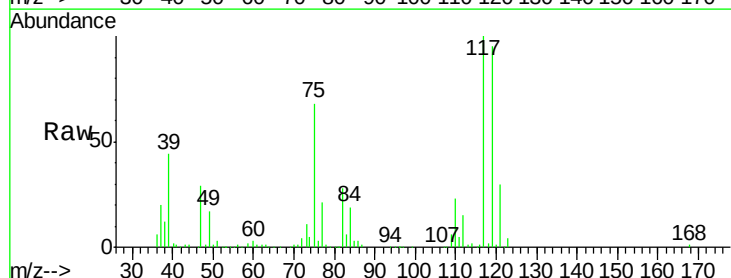
Tgt Ion: 117 Resp: 172608

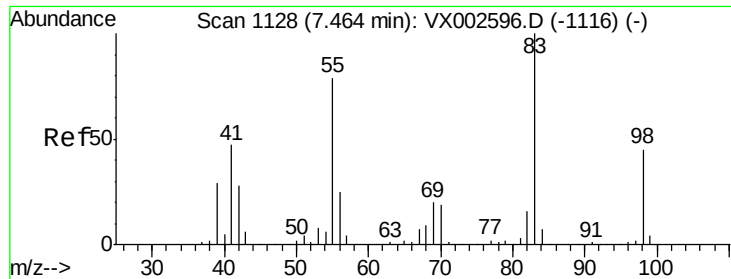
Ion Ratio Lower Upper

117 100

119 95.4 77.4 116.0

121 30.4 24.4 36.6

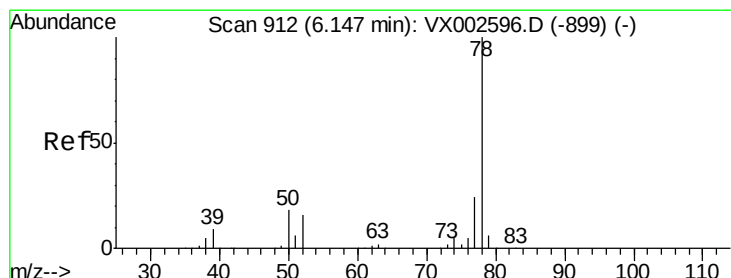
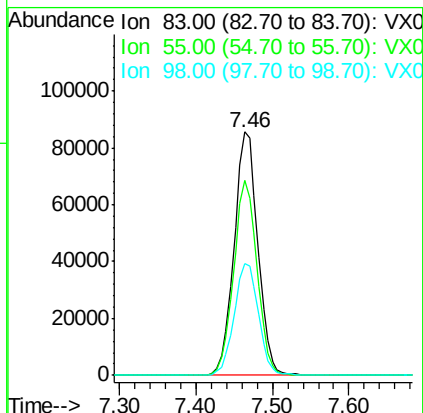
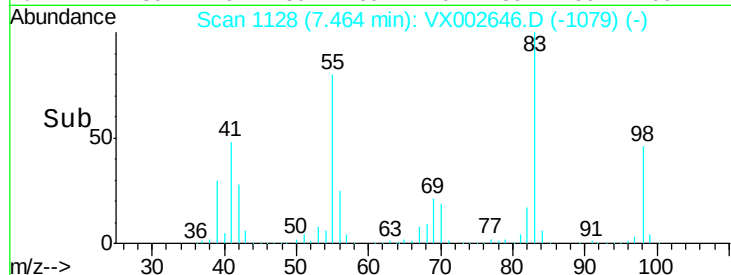
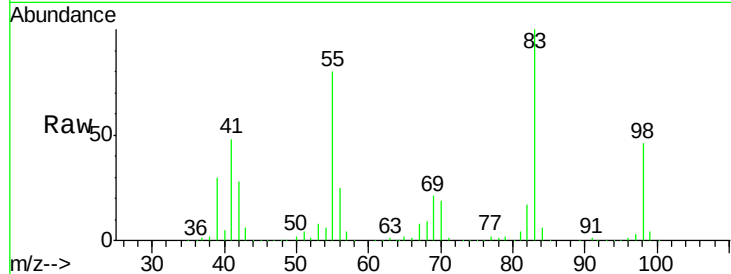




#39
Methylvlcyclohexane
Concen: 47.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

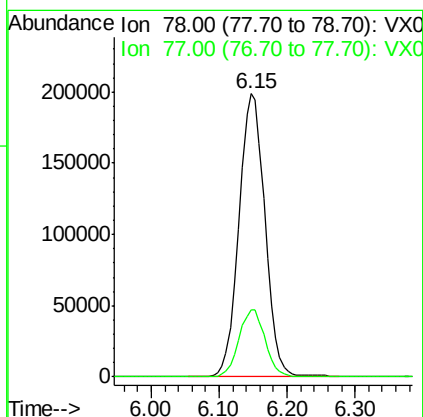
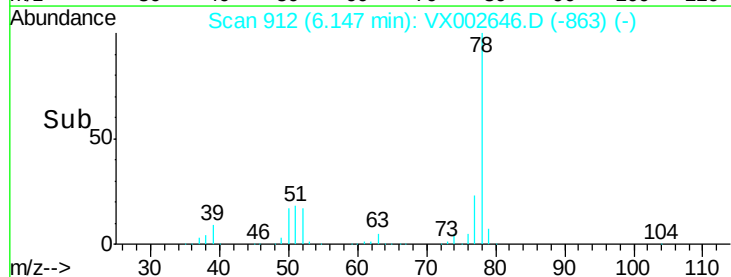
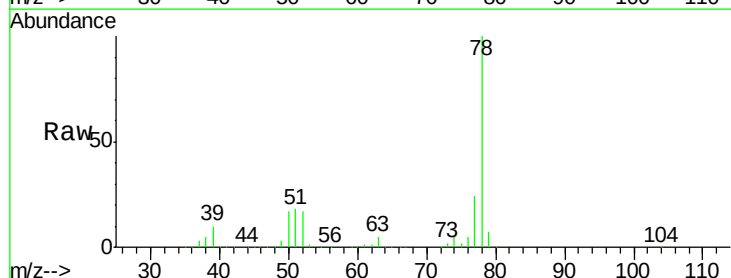
Instrument :
MSVOA_X
ClientSampleId :

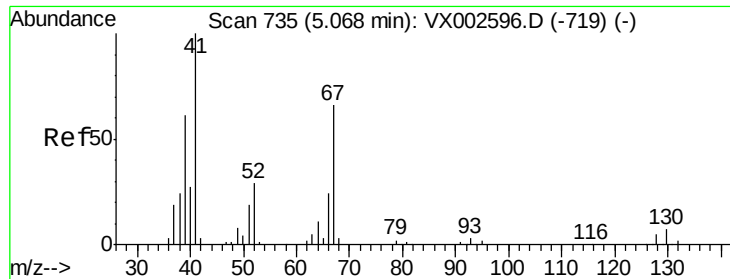
Tot Ion: 83 Resp: 184068
Ion Ratio Lower Upper
83 100
55 80.3 65.4 98.0
98 46.1 37.4 56.0



#40
Benzene
Concen: 52.78 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 78 Resp: 527968
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

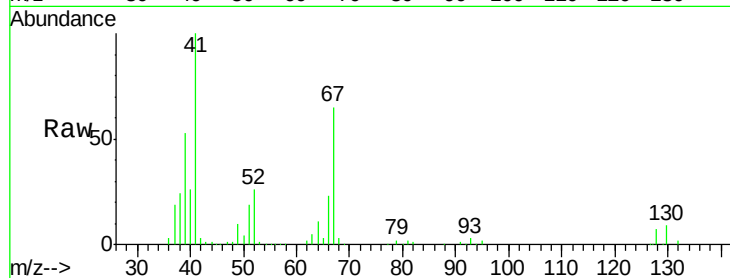




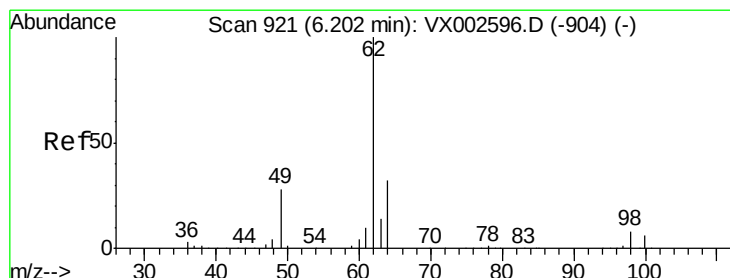
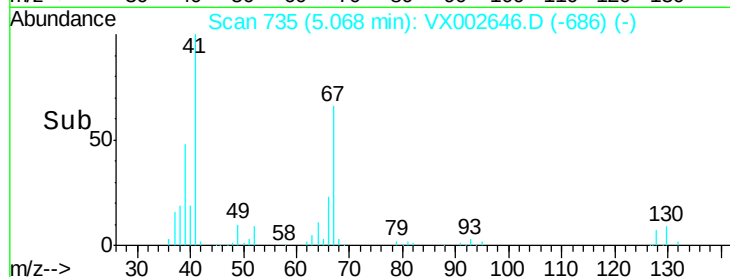
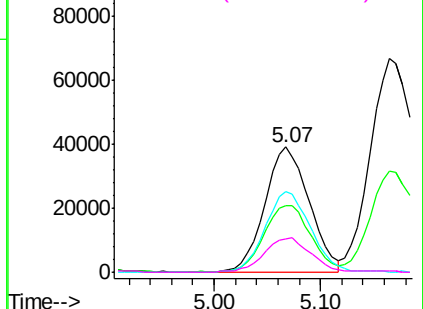
#41
Methacrylonitrile
Concen: 52.78 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	112529
Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.8	68.6
67	66.6	51.3	76.9
52	28.6	23.0	34.6

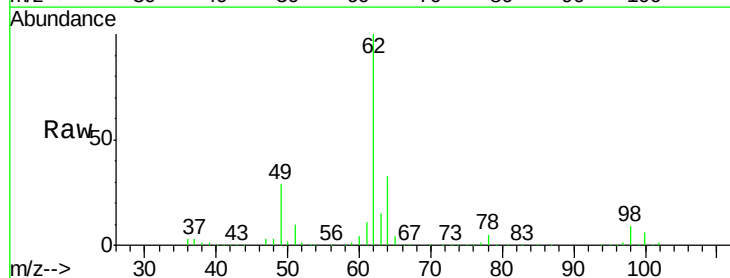


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

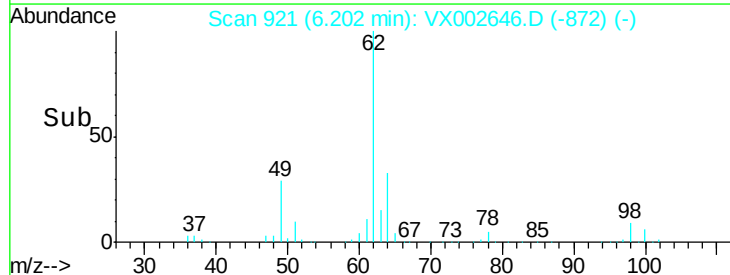
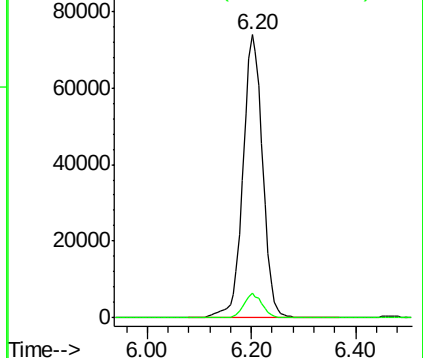


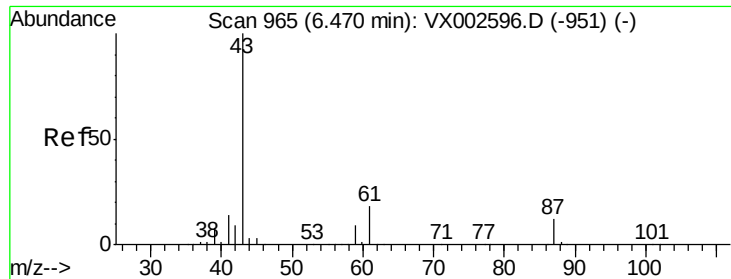
#42
1,2-Dichloroethane
Concen: 49.77 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion:	62	Resp:	192746
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 49.37 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

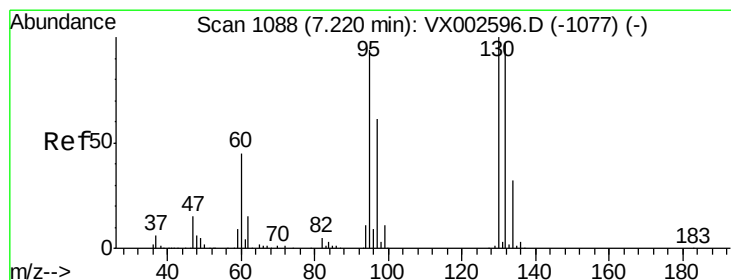
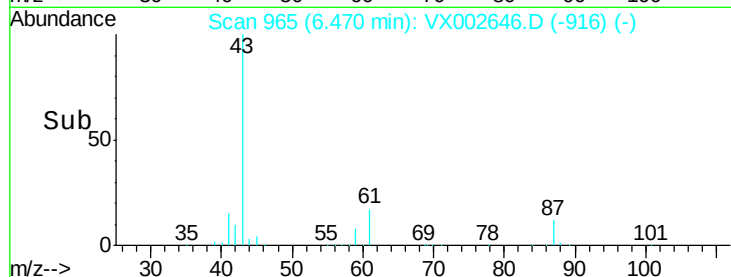
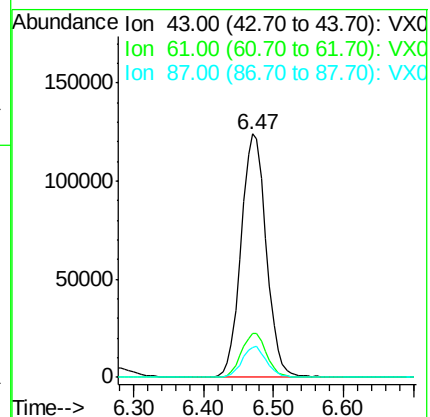
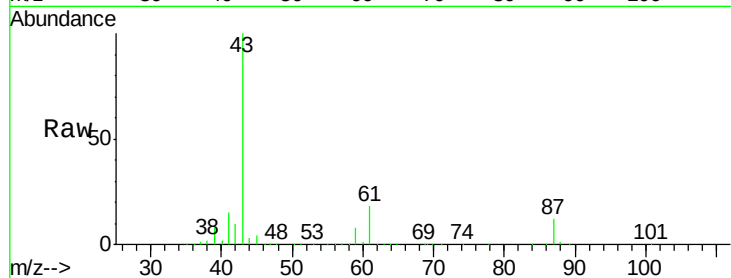
Tot Ion: 43 Resp: 308837

Ion Ratio Lower Upper

43 100

61 18.2 14.4 21.6

87 12.2 9.5 14.3



#44

Trichloroethene

Concen: 48.58 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002646.D

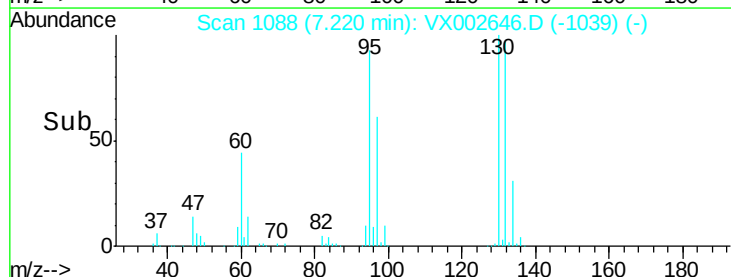
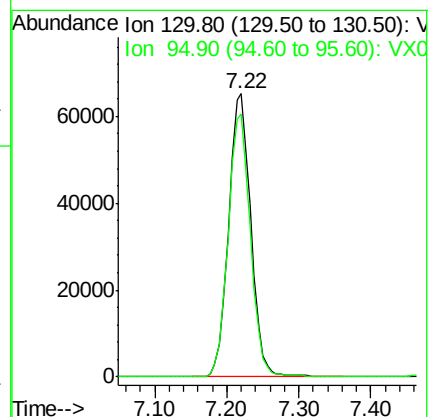
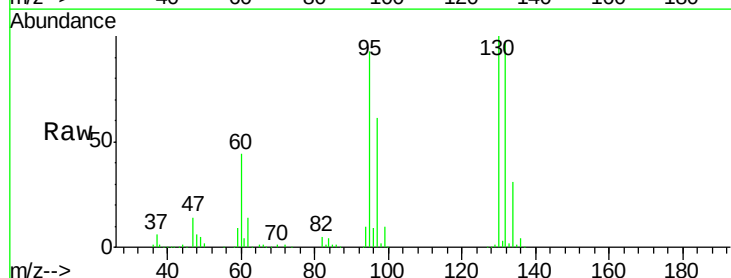
Acq: 16 Jun 2018 14:15

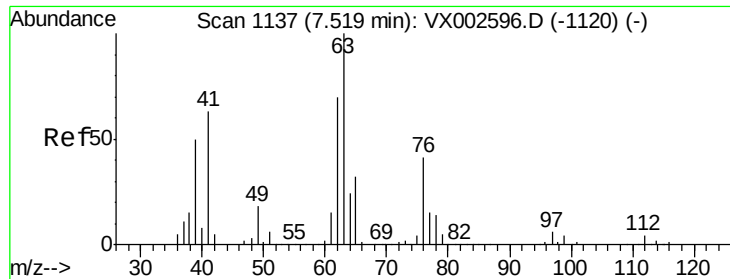
Tgt Ion:130 Resp: 140270

Ion Ratio Lower Upper

130 100

95 92.7 0.0 185.4

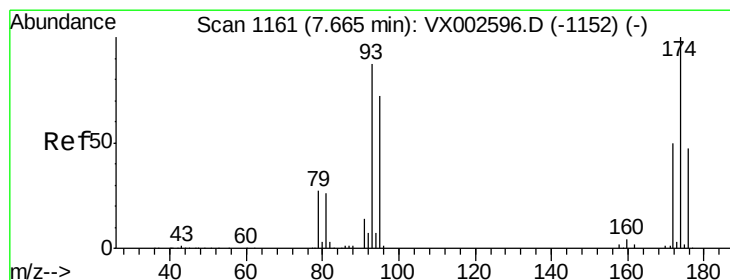
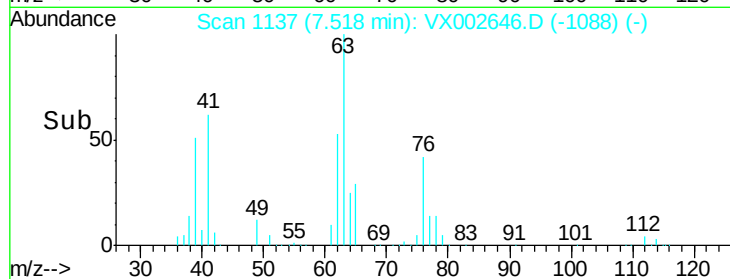
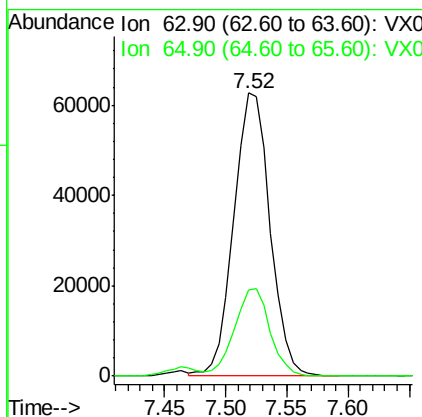
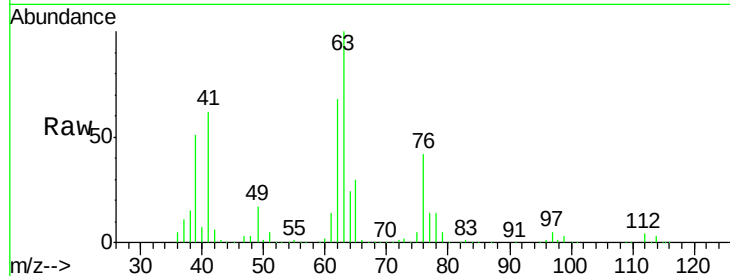




#45
 1,2-Dichloropropane
 Concen: 48.69 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

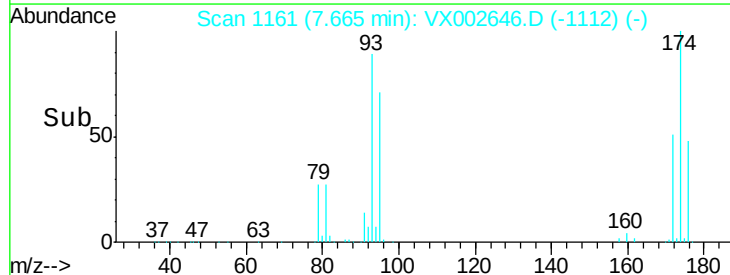
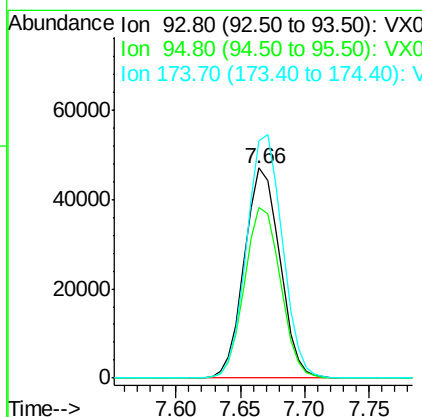
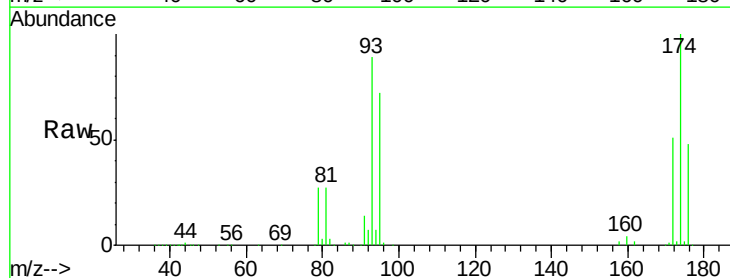
Instrument :
 MSVOA_X
 ClientSampled :

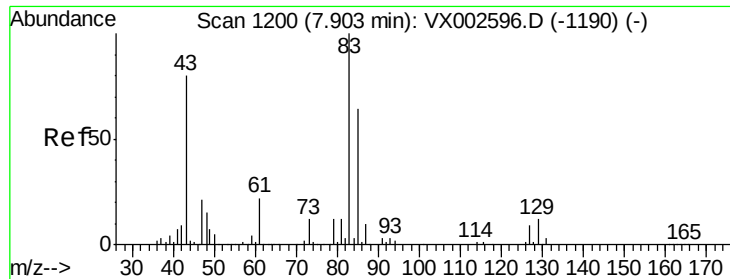
Tot Ion: 63 Resp: 128194
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1



#46
 Dibromomethane
 Concen: 51.14 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion: 93 Resp: 90056
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.9 98.9
 174 116.6 92.4 138.6





#47

Bromodichloromethane

Concen: 52.69 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

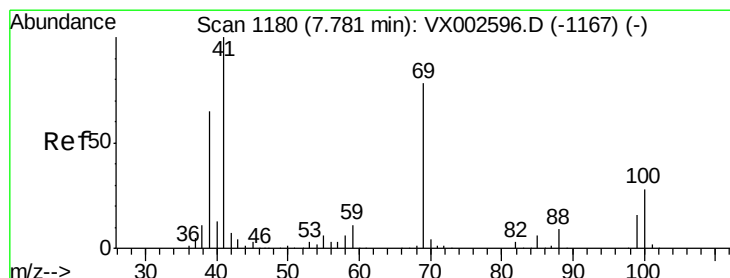
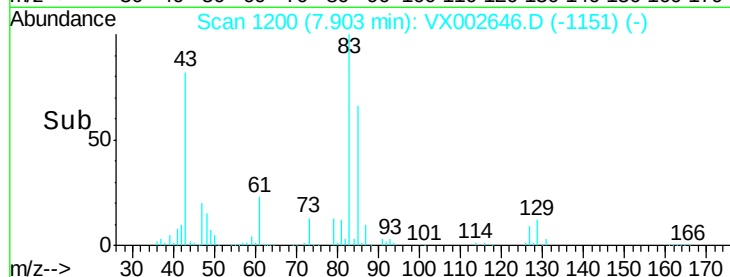
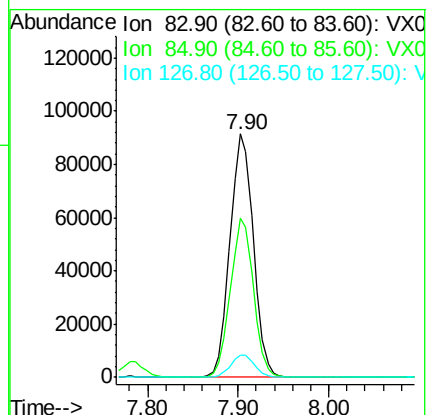
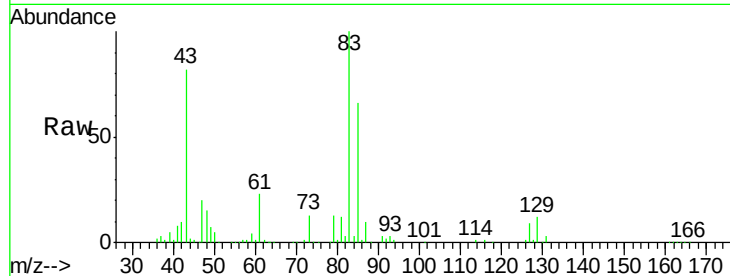
Tot Ion: 83 Resp: 163642

Ion Ratio Lower Upper

83 100

85 65.6 50.3 75.5

127 9.2 7.0 10.4



#48

Methyl methacrylate

Concen: 52.23 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

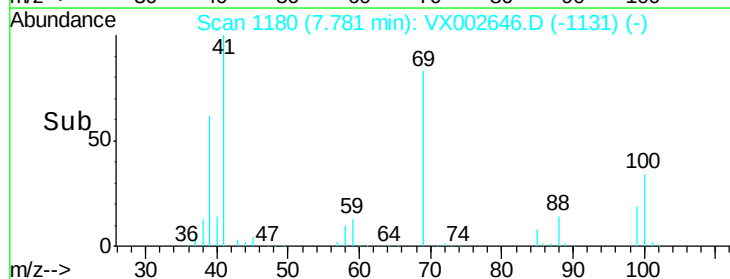
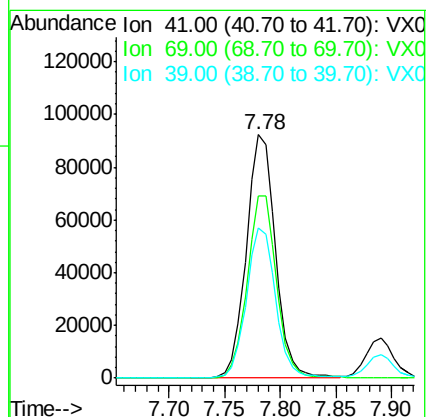
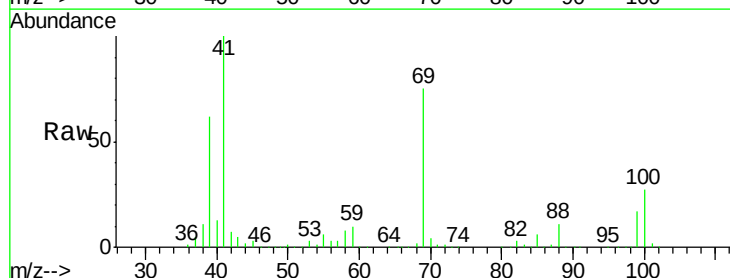
Tgt Ion: 41 Resp: 166973

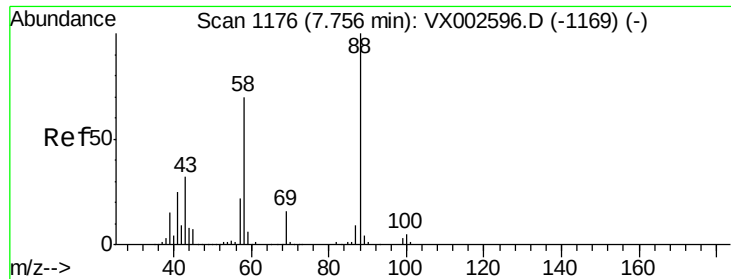
Ion Ratio Lower Upper

41 100

69 76.5 59.1 88.7

39 62.0 48.9 73.3

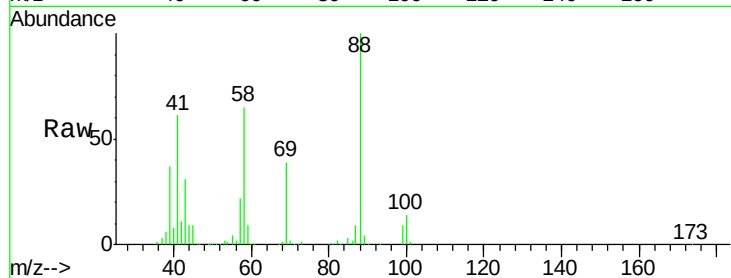




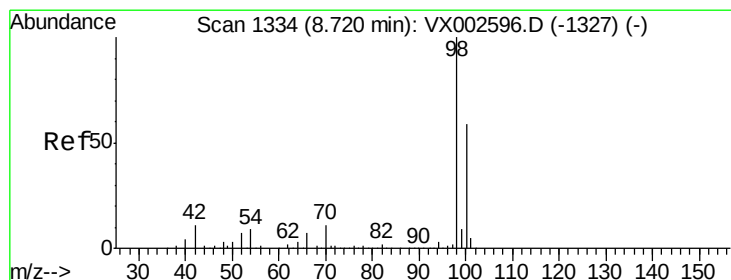
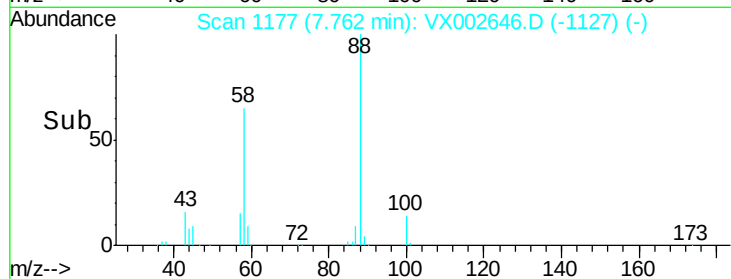
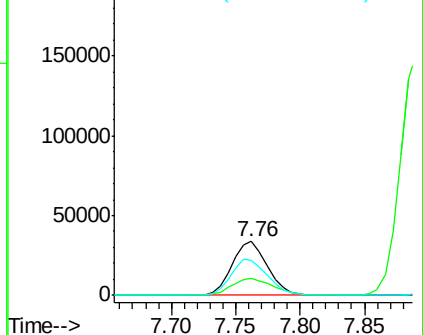
#49
1,4-Dioxane
Concen: 1063.41 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 64379
Ion Ratio Lower Upper
88 100
43 36.0 29.8 44.6
58 70.1 57.1 85.7

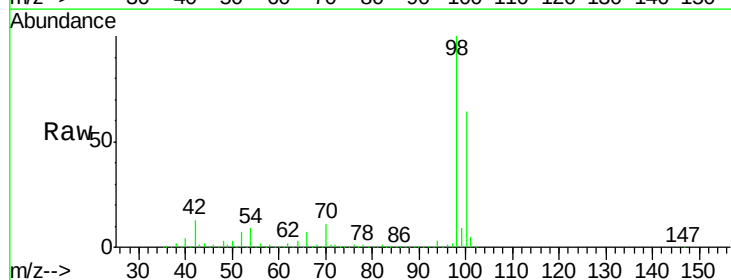


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

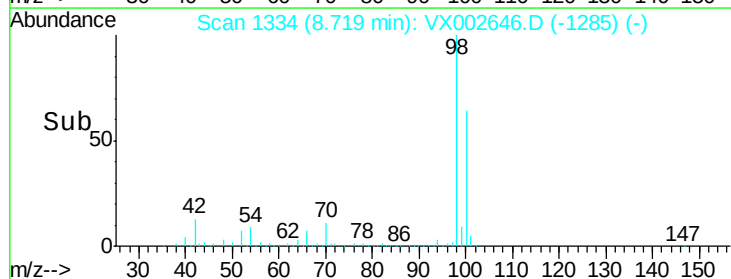
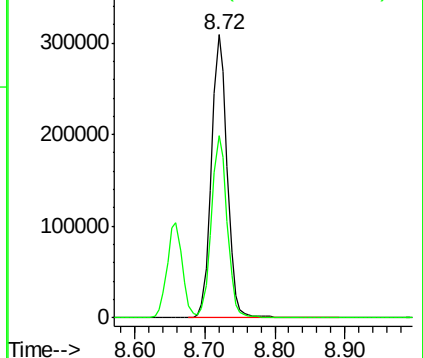


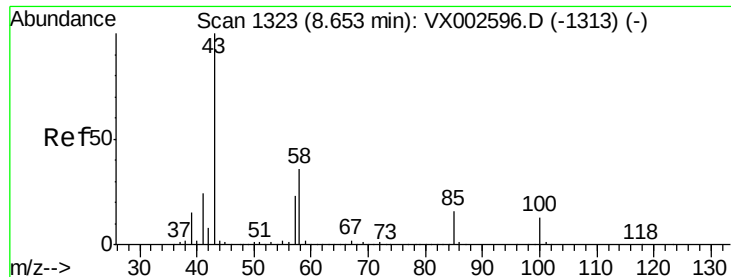
#50
Toluene-d8
Concen: 50.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 98 Resp: 484479
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 282.54 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

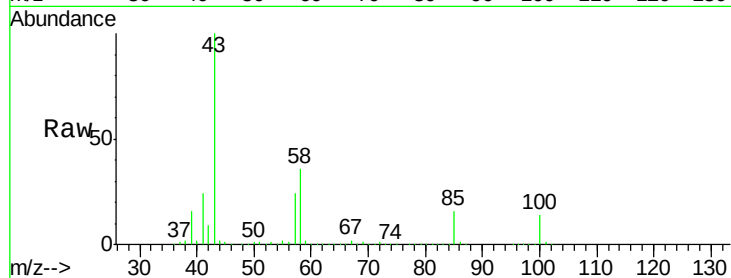
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1134860

Ion Ratio Lower Upper

43 100

58 36.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

600000

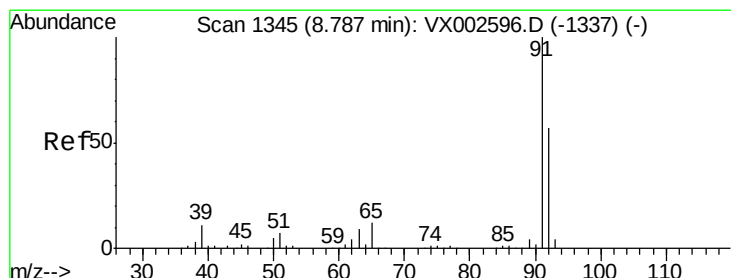
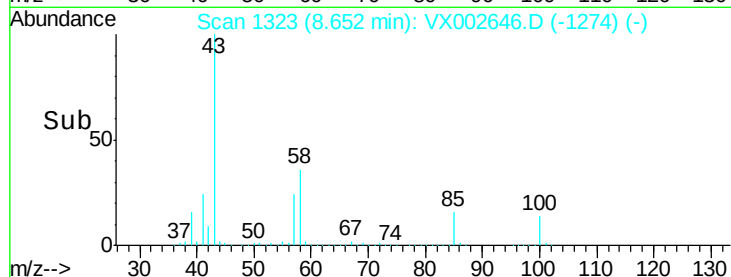
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 50.43 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002646.D

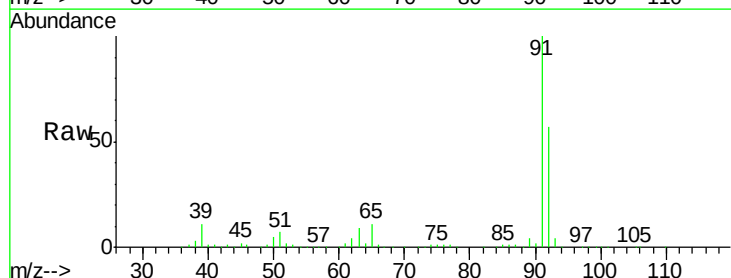
Acq: 16 Jun 2018 14:15

Tgt Ion: 92 Resp: 321797

Ion Ratio Lower Upper

92 100

91 174.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

300000

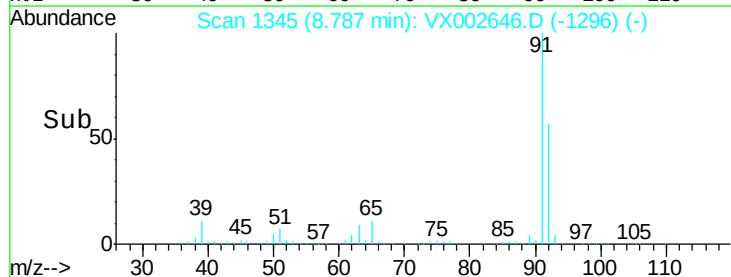
200000

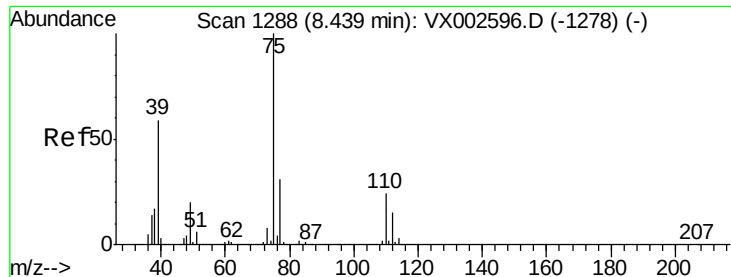
100000

0

8.70 8.80 8.90 9.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 42.48 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

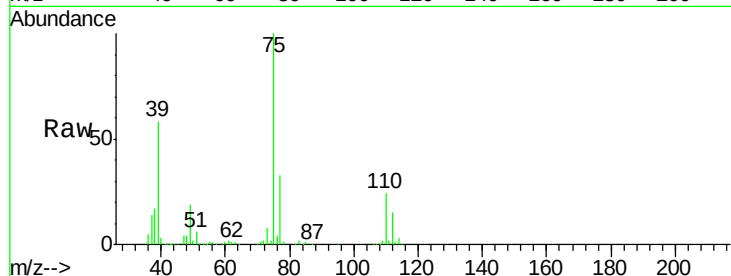
ClientSampled :

Tot Ion: 75 Resp: 173080

Ion Ratio Lower Upper

75 100

77 32.6 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

120000

100000

80000

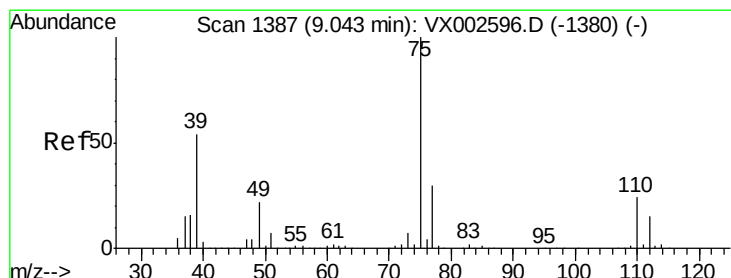
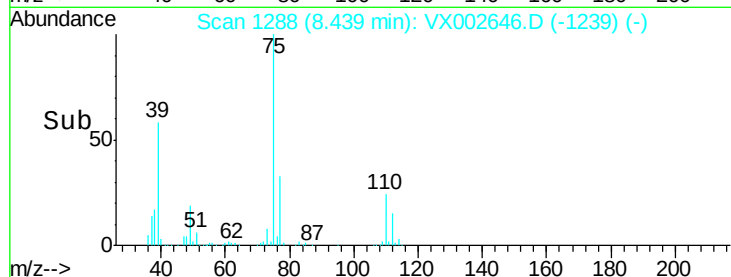
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 42.34 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

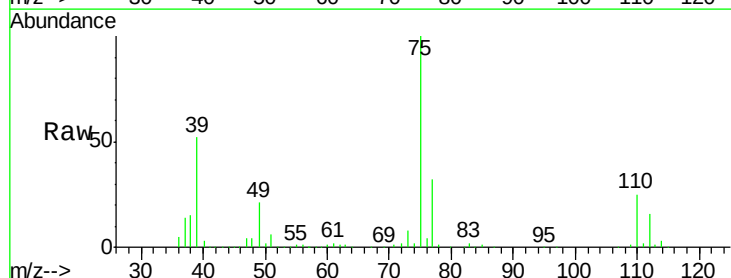
Tgt Ion: 75 Resp: 163993

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

39 51.8 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

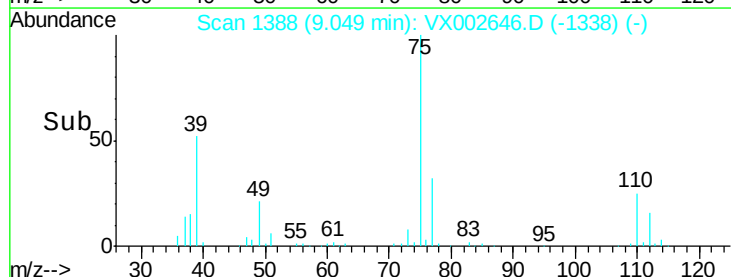
150000

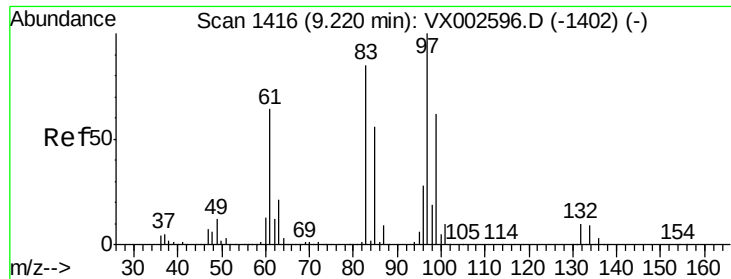
100000

50000

0

Time-->



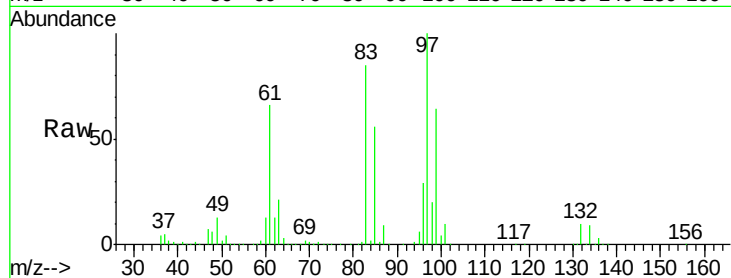


#55
 1,1,2-Trichloroethane
 Concen: 50.93 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

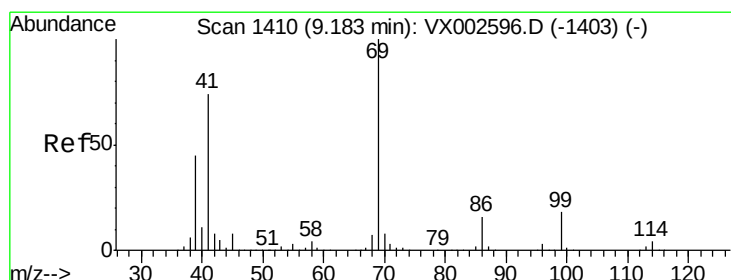
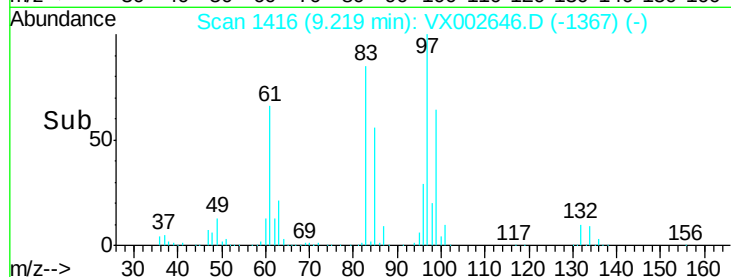
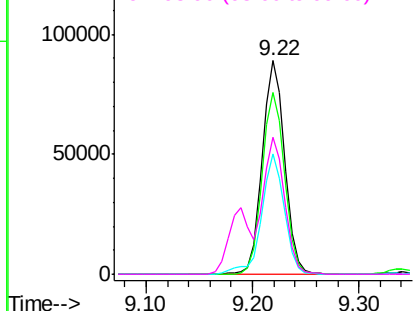
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 97 Resp: 131318

Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	56.1	44.9	67.3
99	63.9	49.8	74.8



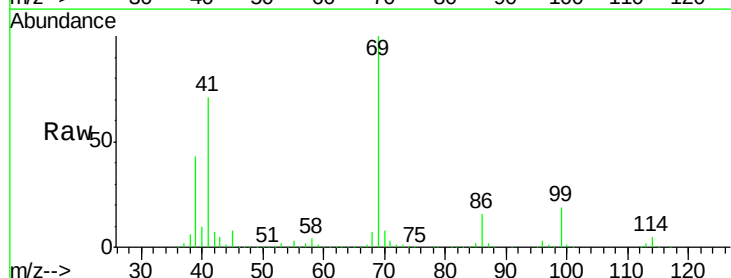
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



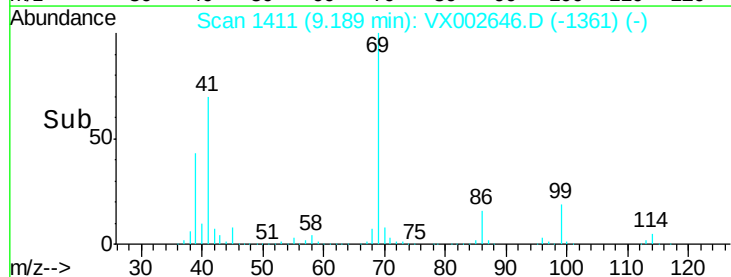
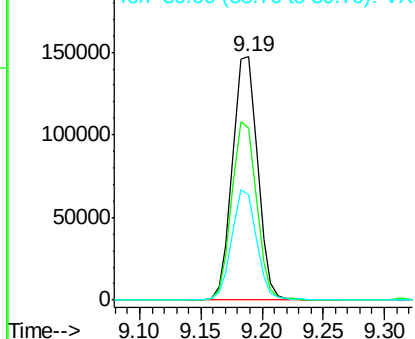
#56
 Ethyl methacrylate
 Concen: 52.78 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

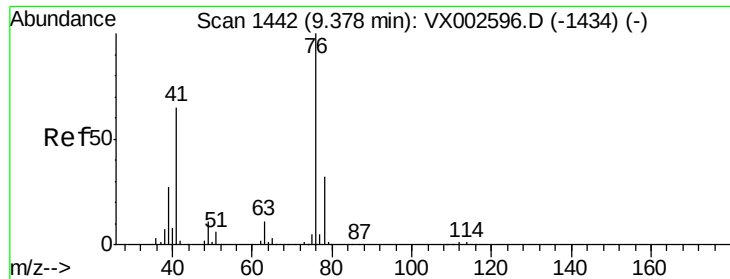
Tgt Ion: 69 Resp: 209431

Ion	Ratio	Lower	Upper
69	100		
41	72.4	60.3	90.5
39	44.2	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

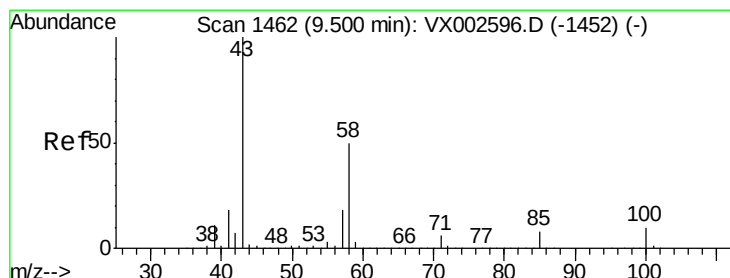
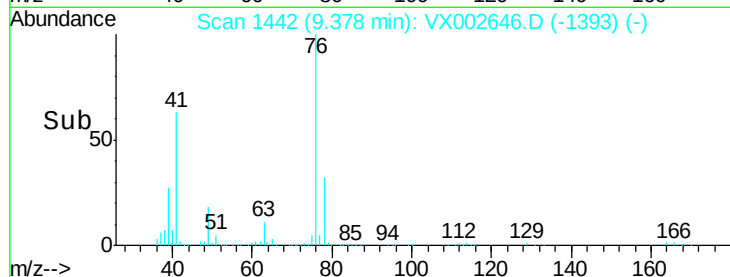
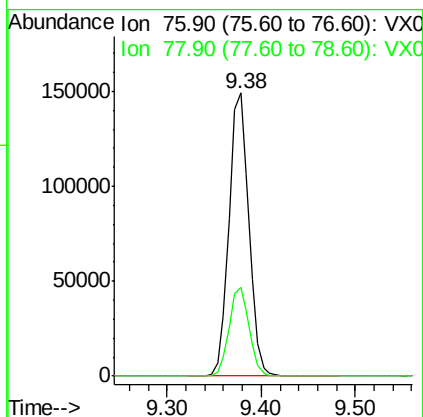
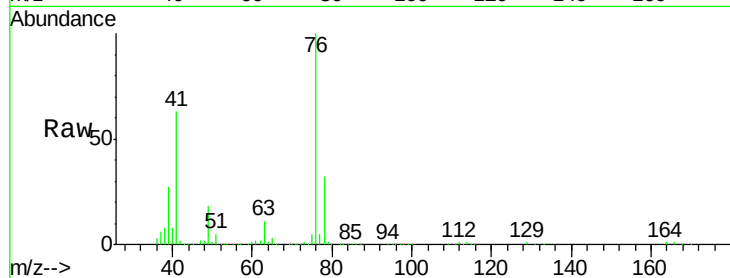




#57
 1,3-Dichloropropane
 Concen: 49.95 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

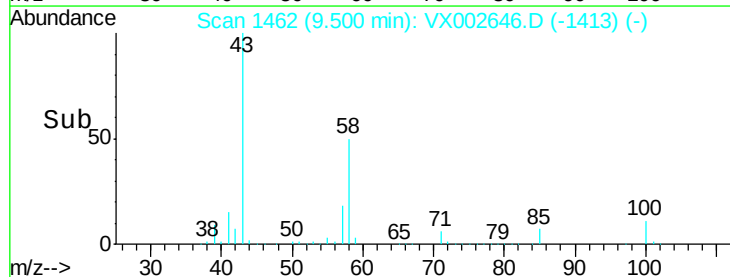
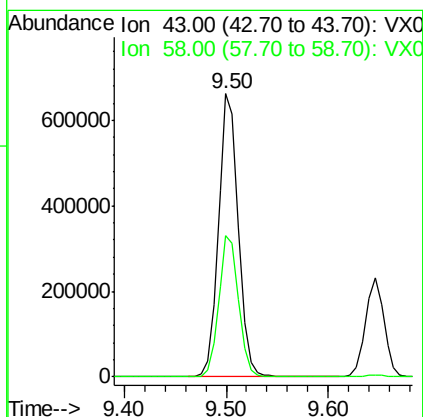
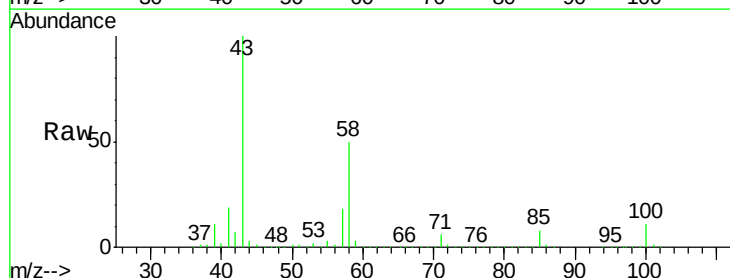
Instrument :
 MSVOA_X
 ClientSampleId :

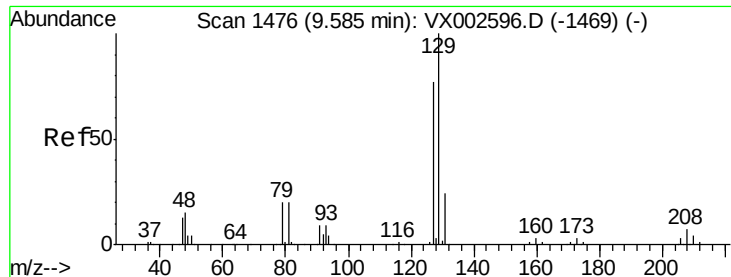
Tot Ion: 76 Resp: 217800
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#59
 2-Hexanone
 Concen: 296.97 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion: 43 Resp: 898858
 Ion Ratio Lower Upper
 43 100
 58 50.3 24.6 73.6





#60

Dibromochloromethane

Concen: 47.60 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

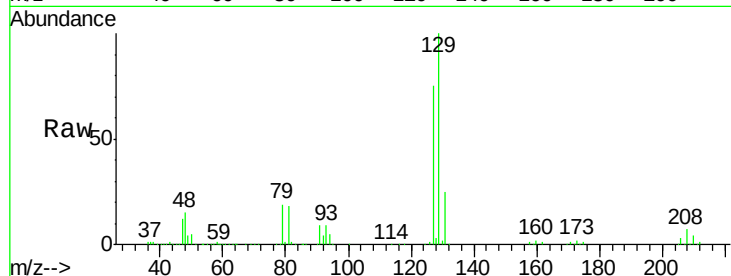
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 137478

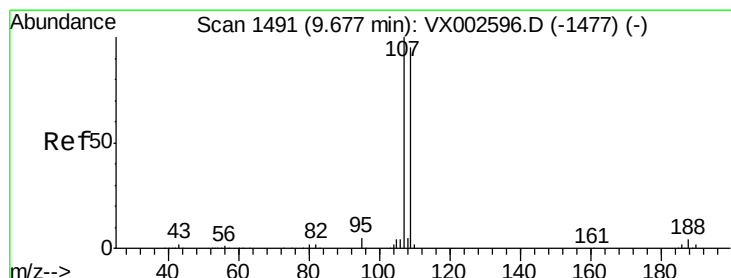
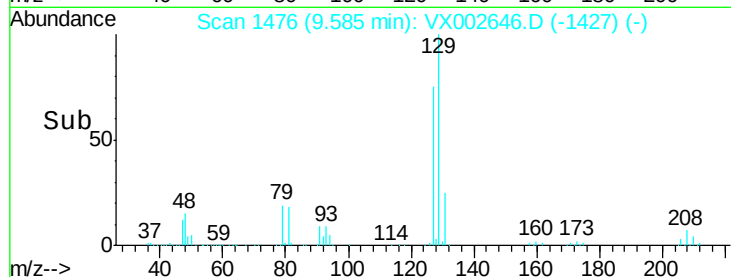
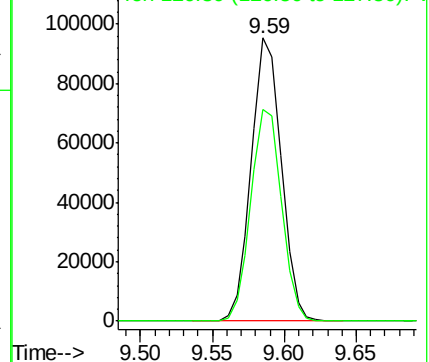
Ion Ratio Lower Upper

129 100

127 76.5 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002646.D

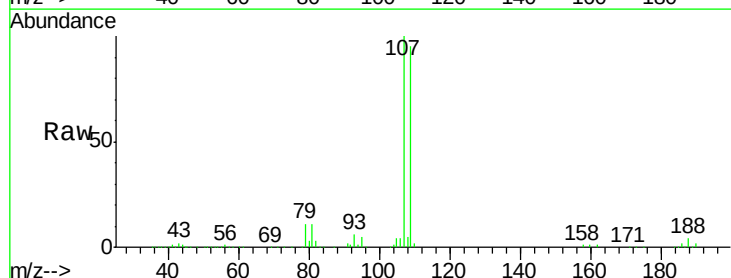
Acq: 16 Jun 2018 14:15

Tgt Ion:107 Resp: 141816

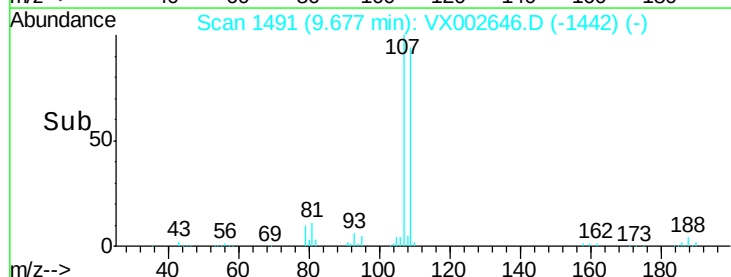
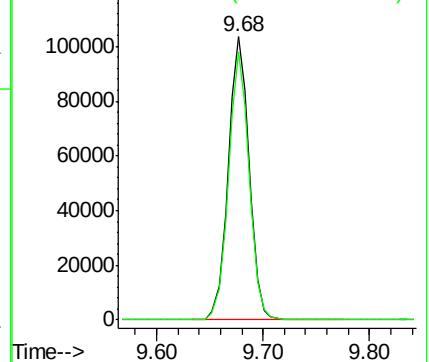
Ion Ratio Lower Upper

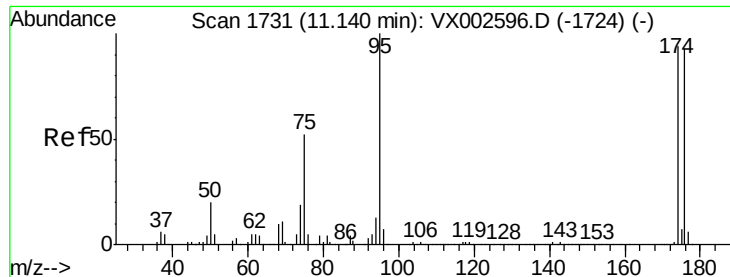
107 100

109 93.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

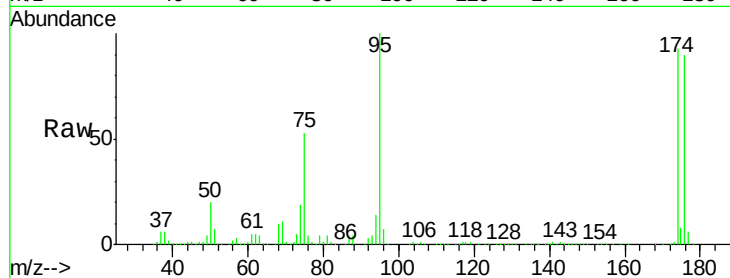
Tot Ion: 95 Resp: 184976

Ion Ratio Lower Upper

95 100

174 99.5 0.0 187.4

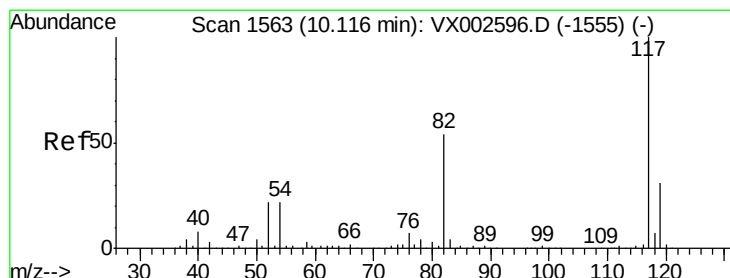
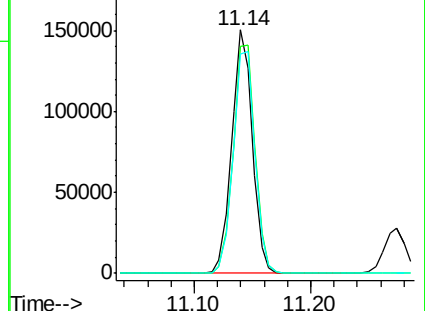
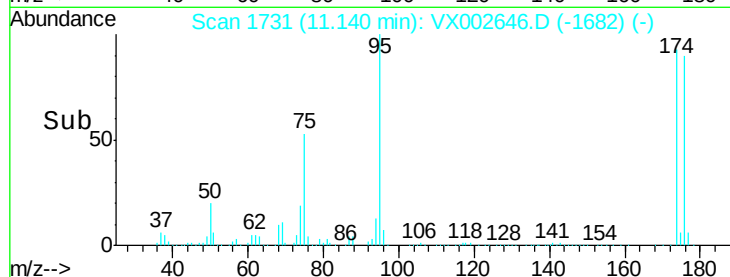
176 96.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002646.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002646.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002646.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

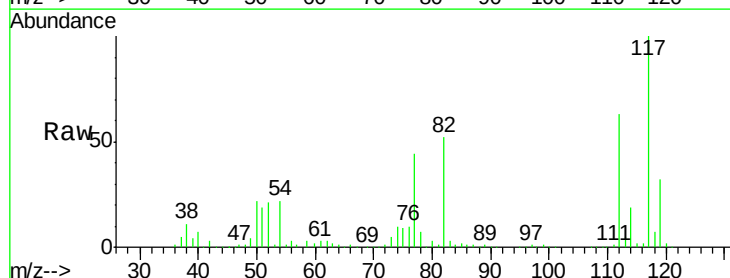
Tgt Ion: 117 Resp: 310745

Ion Ratio Lower Upper

117 100

82 52.1 45.0 67.4

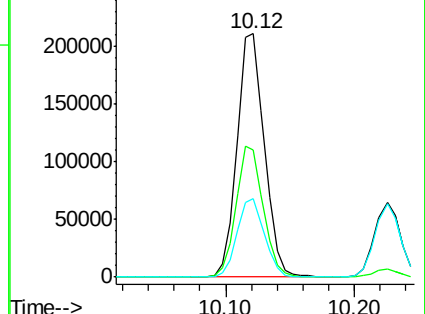
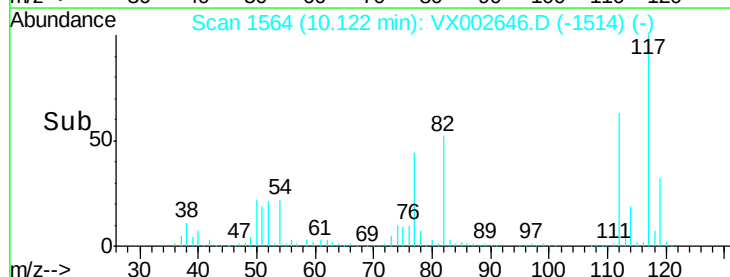
119 32.2 25.8 38.6

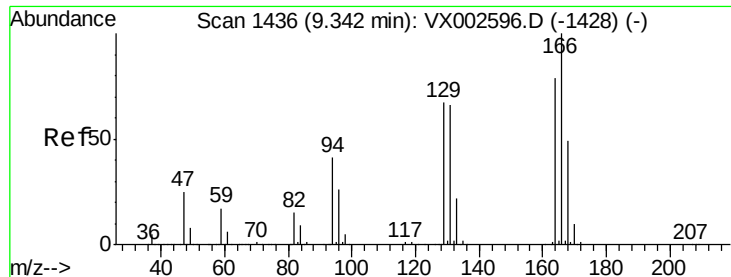


Abundance Ion 116.90 (116.60 to 117.60): VX002646.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002646.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002646.D (-1514) (-)

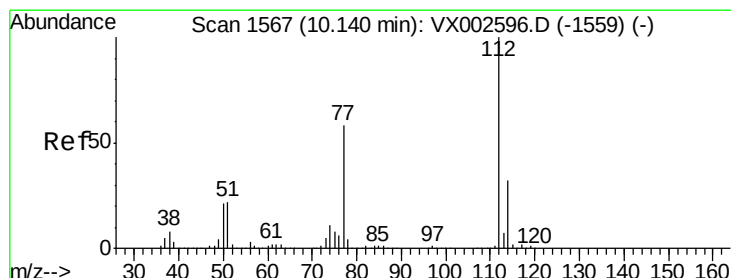
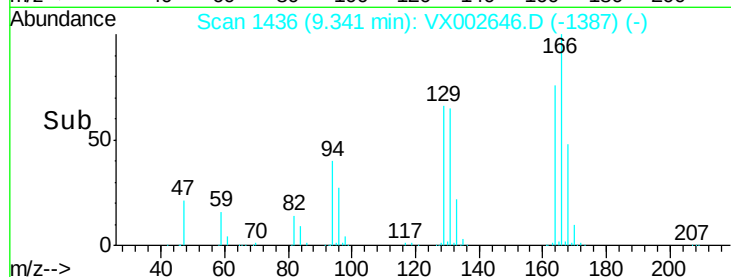
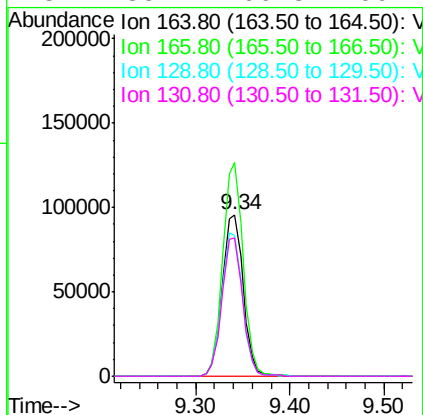
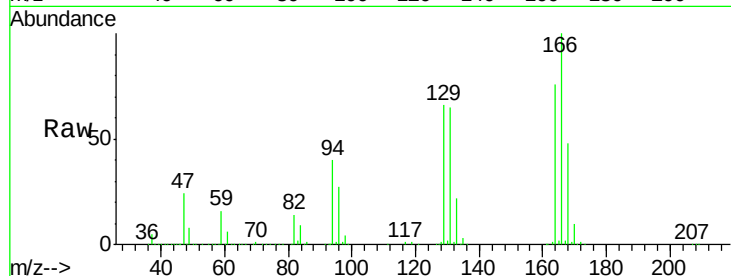




#64
Tetrachloroethene
Concen: 42.91 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

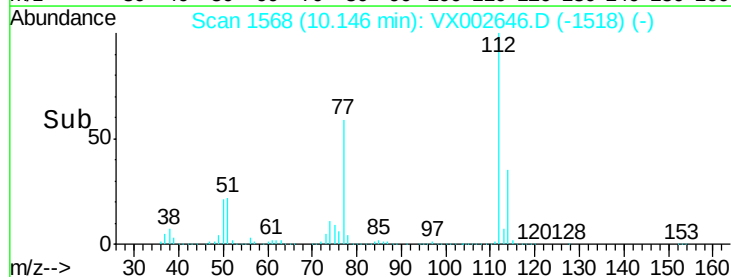
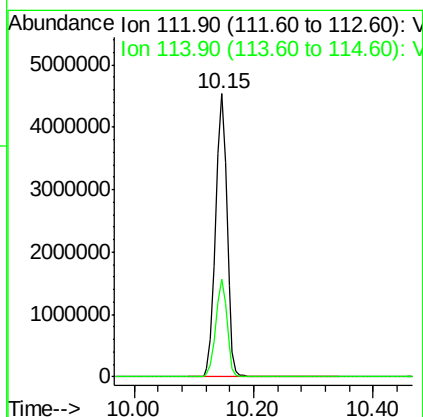
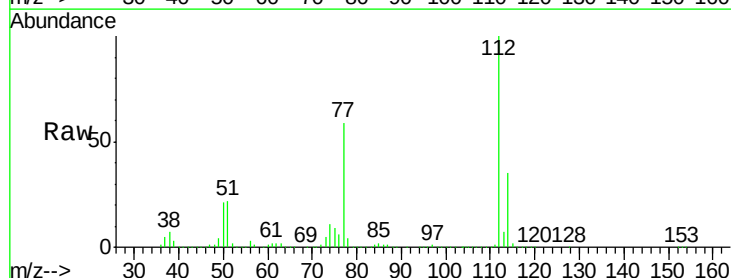
Instrument :
MSVOA_X
ClientSampleId :

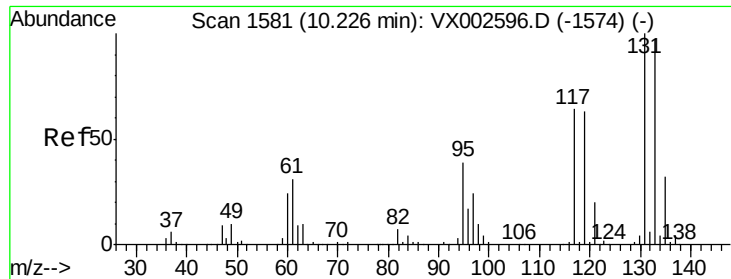
Tot Ion	Ratio	Lower	Upper
164	100		
166	131.9	102.9	154.3
129	87.3	68.6	102.8
131	85.4	66.8	100.2



#65
Chlorobenzene
Concen: 773.74 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.5	25.3	37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 52.13 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

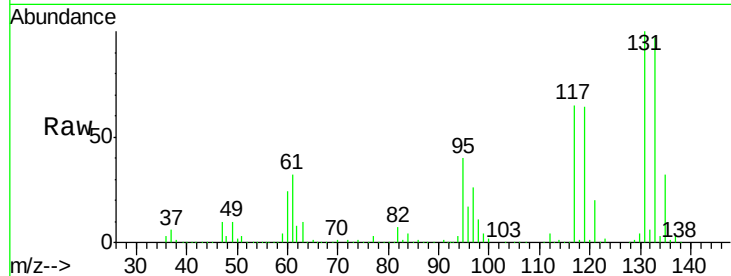
Tot Ion:131 Resp: 135625

Ion Ratio Lower Upper

131 100

133 96.5 47.9 143.6

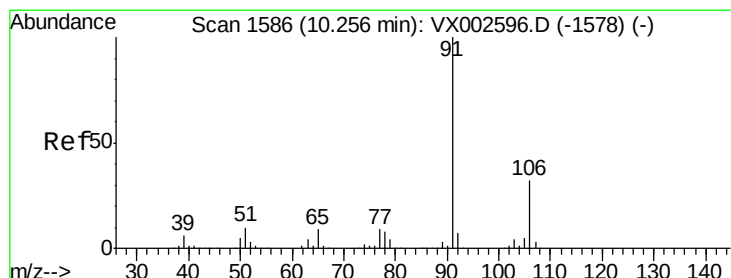
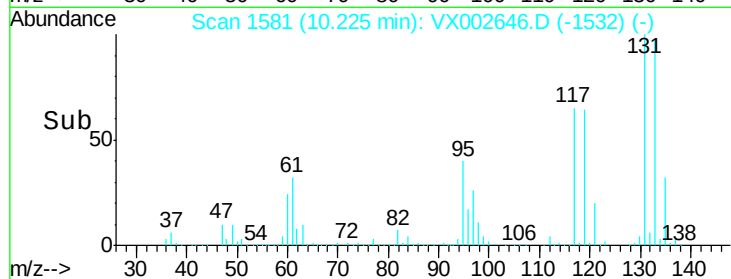
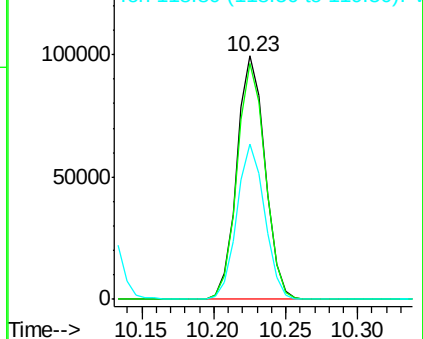
119 63.4 31.8 95.3



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: 49.81 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002646.D

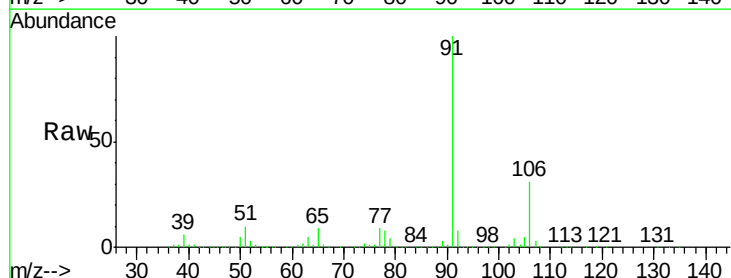
Acq: 16 Jun 2018 14:15

Tgt Ion: 91 Resp: 641186

Ion Ratio Lower Upper

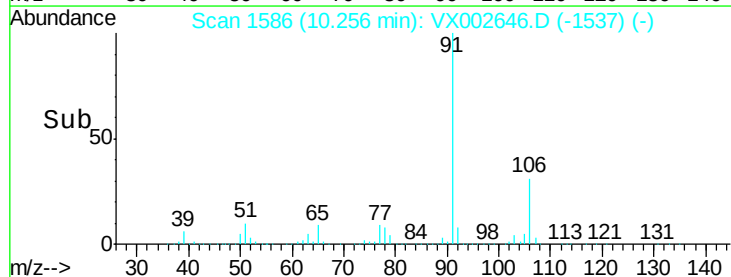
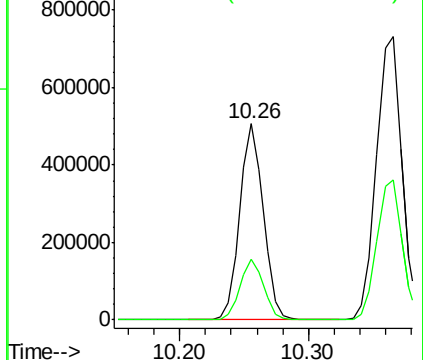
91 100

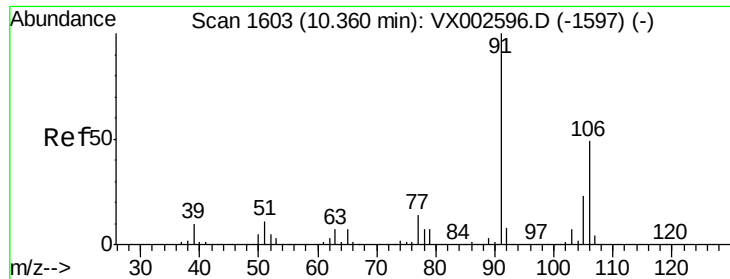
106 31.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

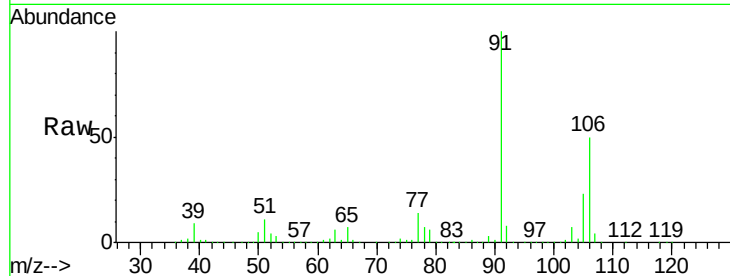




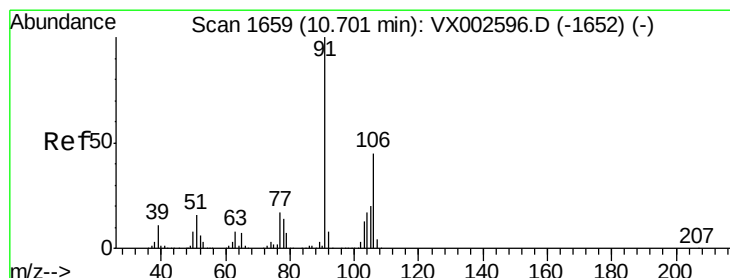
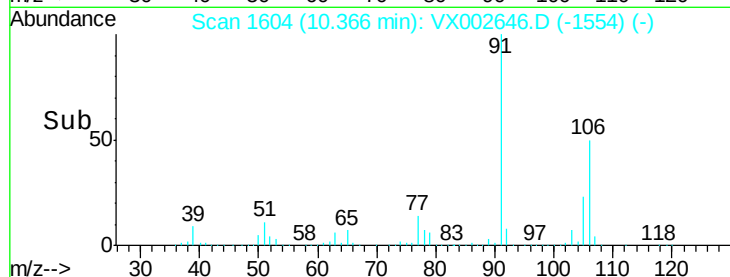
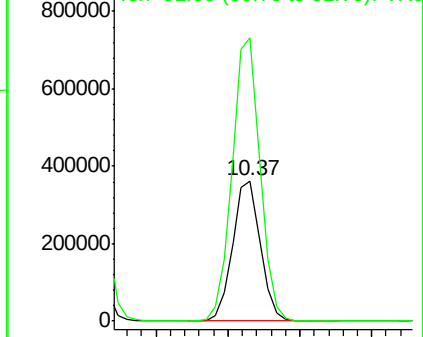
#68
m/p-Xylenes
Concen: 98.76 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 490370
Ion Ratio Lower Upper
106 100
91 202.9 163.4 245.2

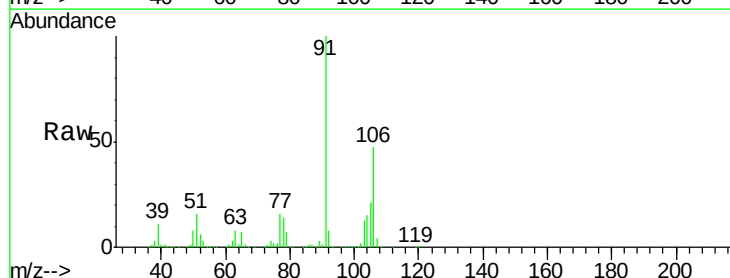


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

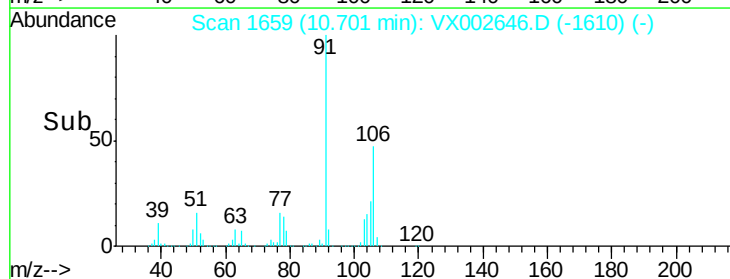
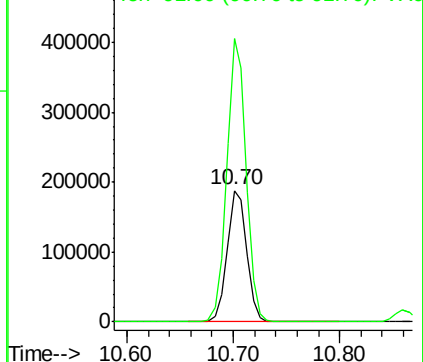


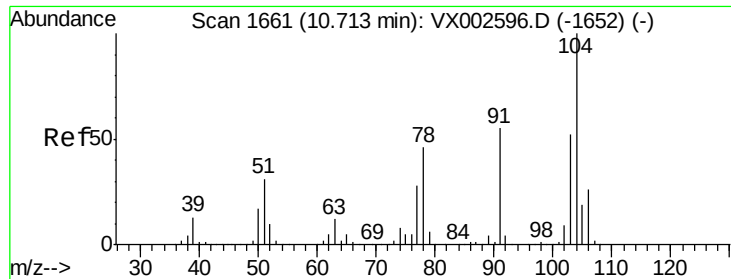
#69
o-Xylene
Concen: 49.41 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion:106 Resp: 241018
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6



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

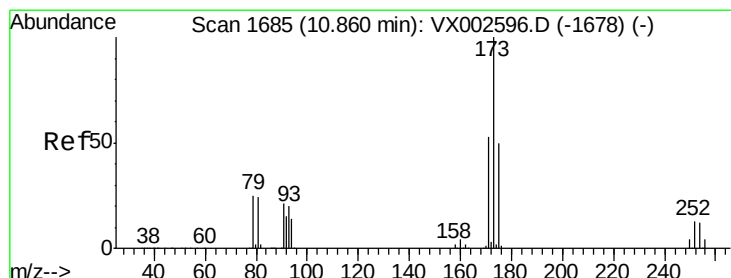
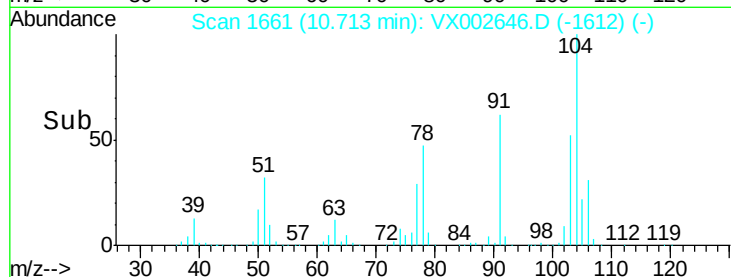
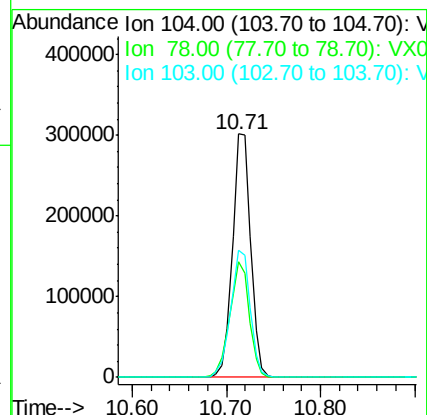
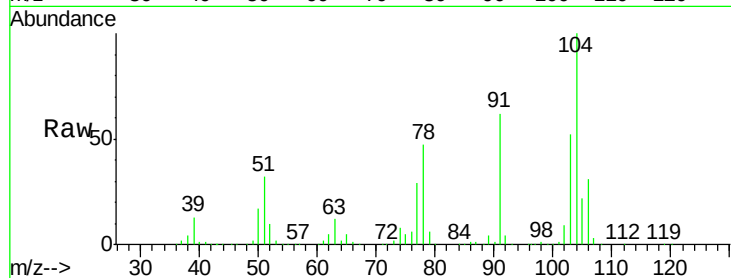




#70
Stvrene
Concen: 50.62 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

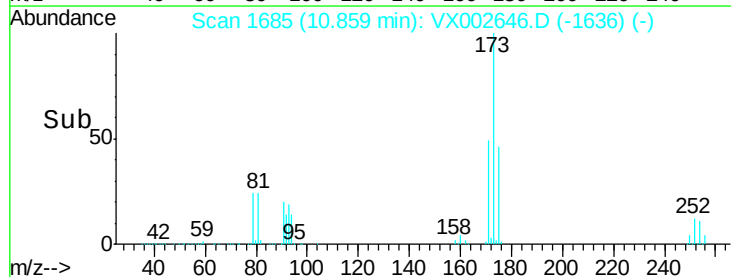
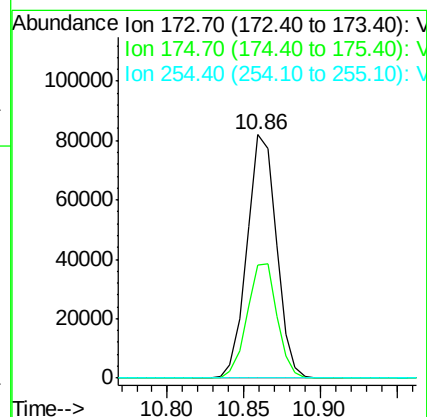
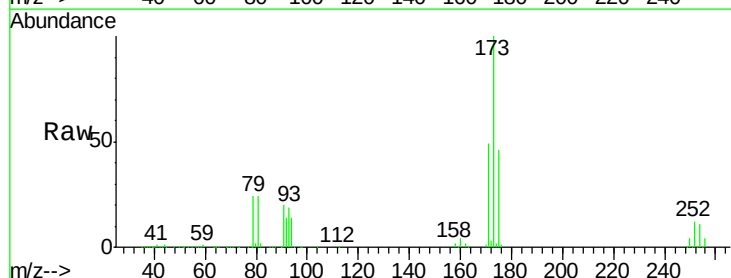
Instrument :
MSVOA_X
ClientSampleId :

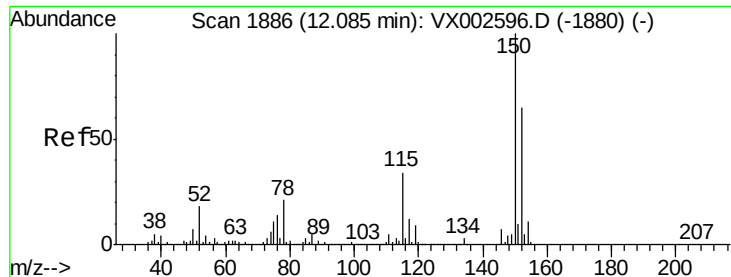
Tot Ion:104 Resp: 406130
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.6
103 55.9 44.2 66.4



#71
Bromoform
Concen: 46.64 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion:173 Resp: 109619
Ion Ratio Lower Upper
173 100
175 48.0 24.7 74.1
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

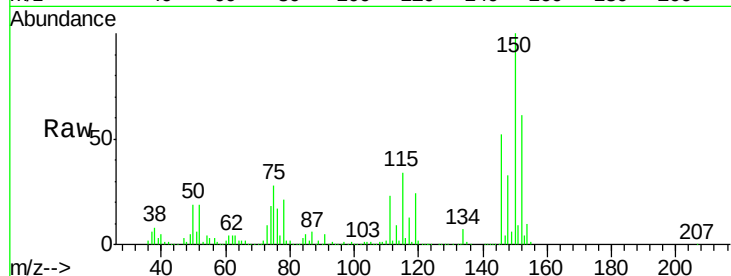
Tot Ion:152 Resp: 203961

Ion Ratio Lower Upper

152 100

115 77.5 40.1 120.2

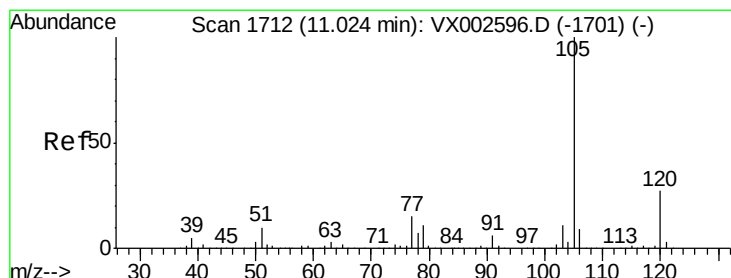
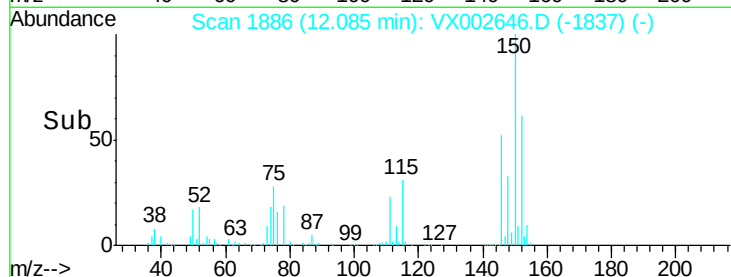
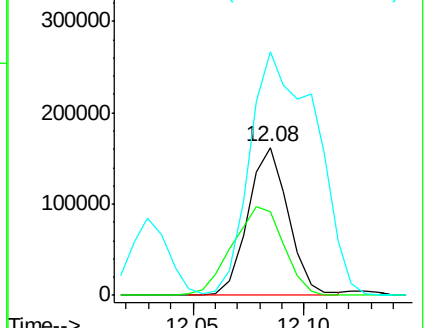
150 271.2 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.78 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002646.D

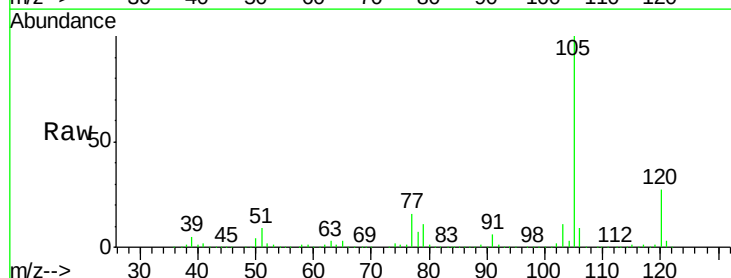
Acq: 16 Jun 2018 14:15

Tgt Ion:105 Resp: 651774

Ion Ratio Lower Upper

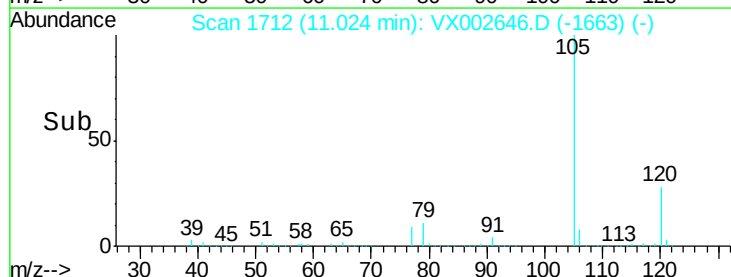
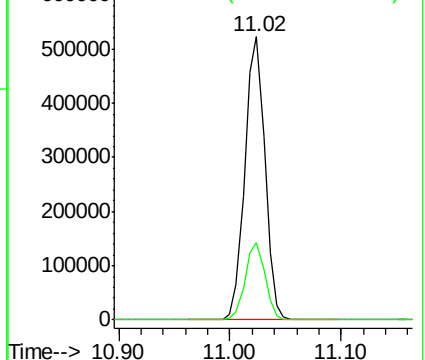
105 100

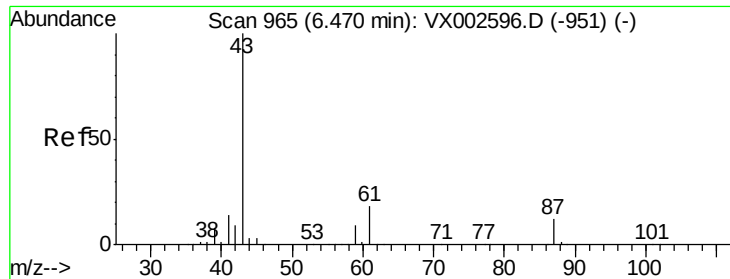
120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.57 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 308837

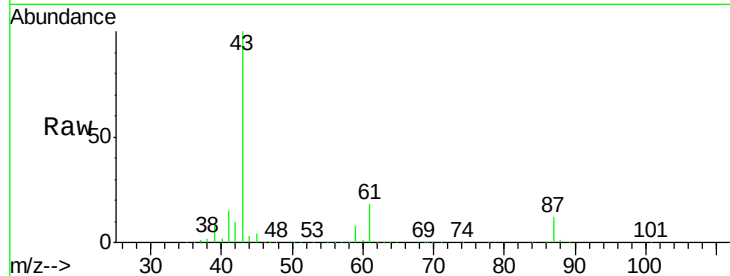
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

61 18.2 14.4 21.6

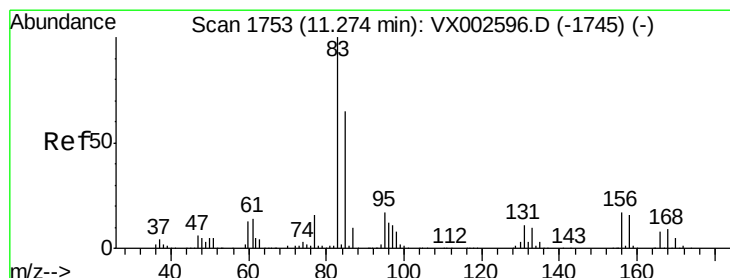
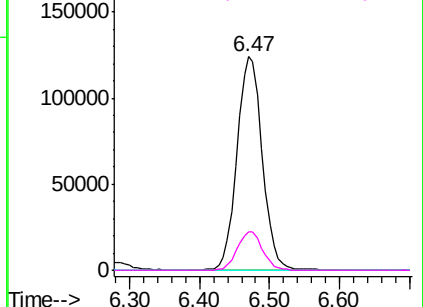
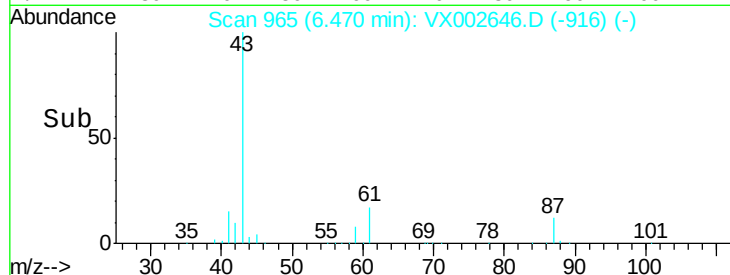


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.32 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

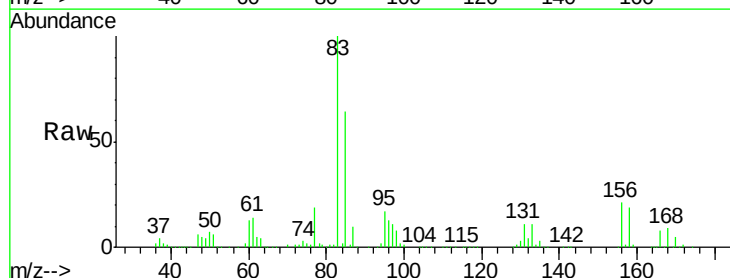
Tgt Ion: 83 Resp: 206720

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

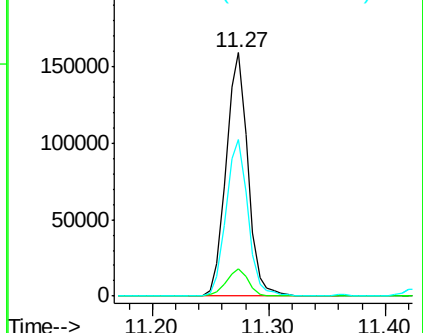
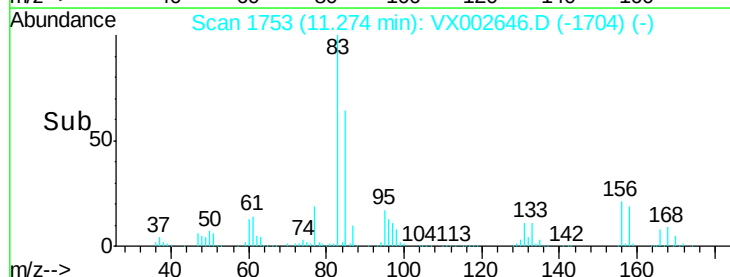
85 64.7 32.4 97.2

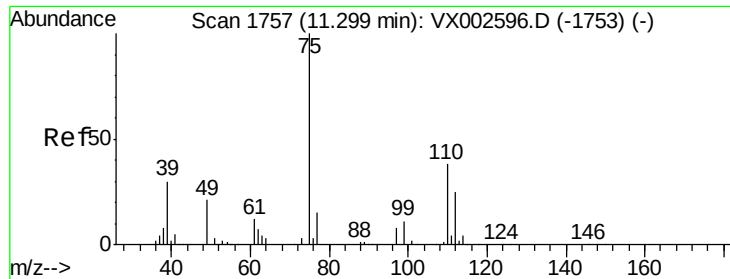


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

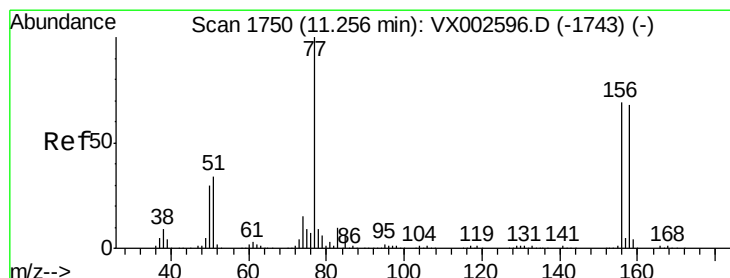
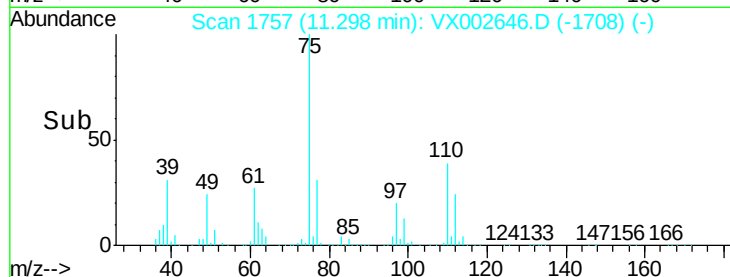
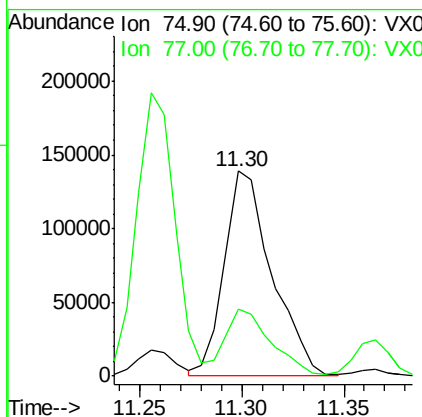
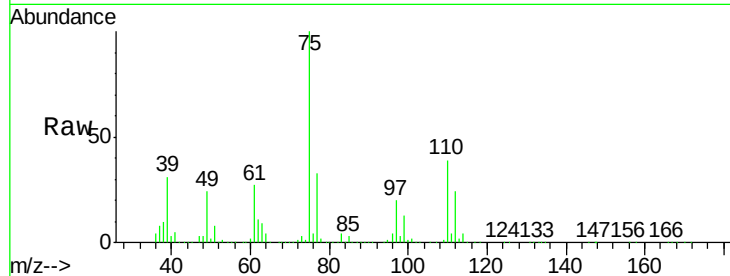




#76
 1,2,3-Trichloropropane
 Concen: 58.49 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

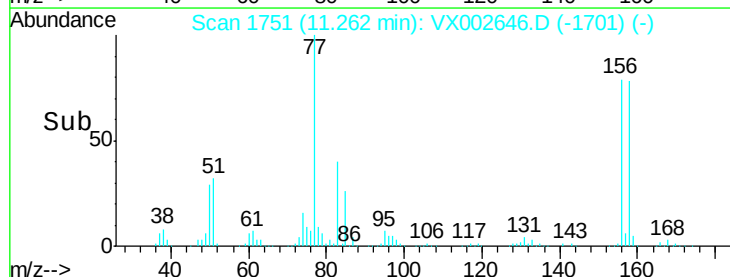
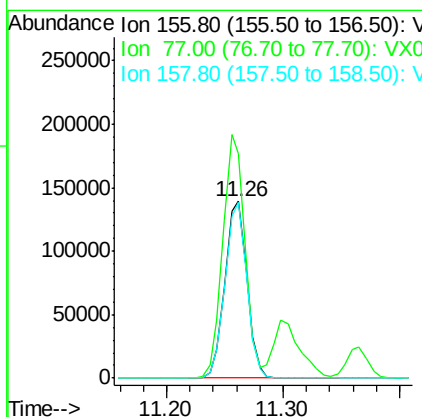
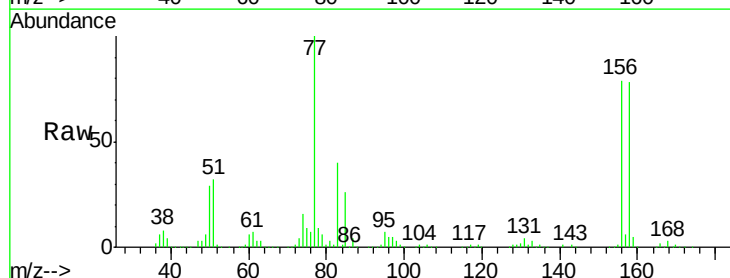
Instrument :
 MSVOA_X
 ClientSampled :

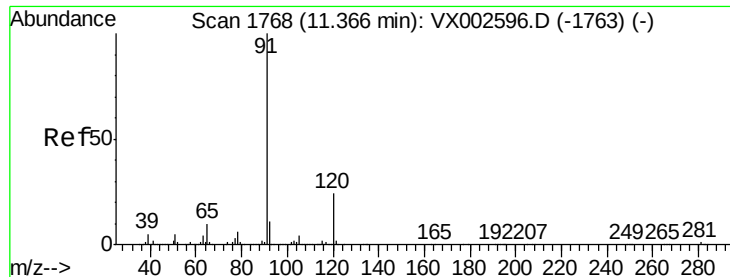
Tot Ion: 75 Resp: 225106
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.8 68.3



#77
 Bromobenzene
 Concen: 48.25 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion: 156 Resp: 183364
 Ion Ratio Lower Upper
 156 100
 77 136.9 71.4 214.2
 158 97.7 48.9 146.6





#78

n-propylbenzene

Concen: 47.18 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

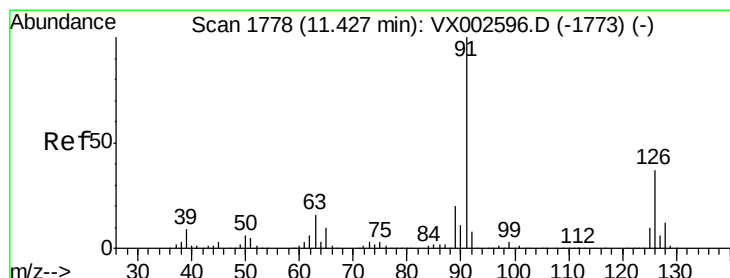
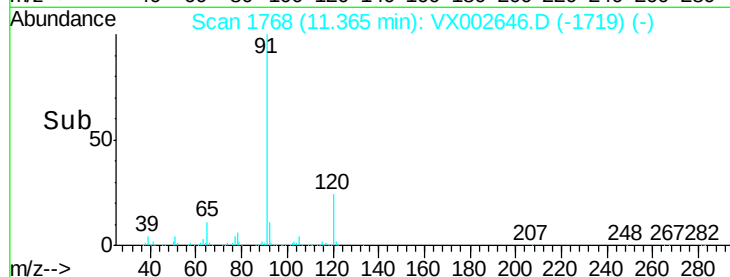
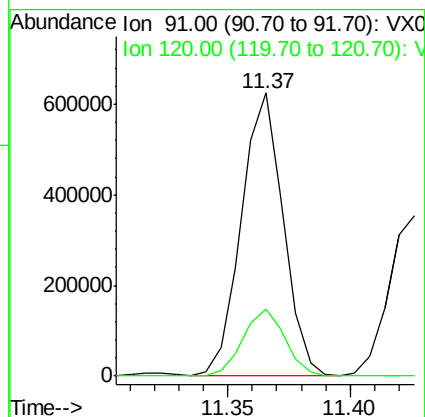
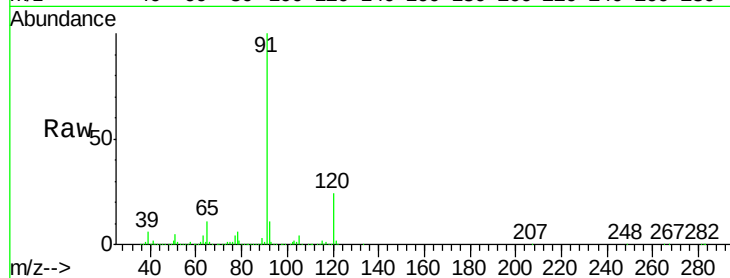
ClientSampleId :

Tot Ion: 91 Resp: 738169

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4



#79

2-Chlorotoluene

Concen: 47.44 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002646.D

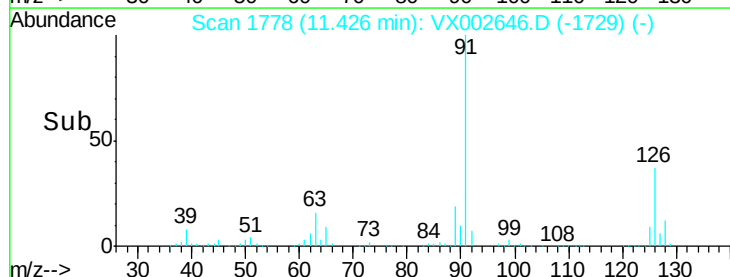
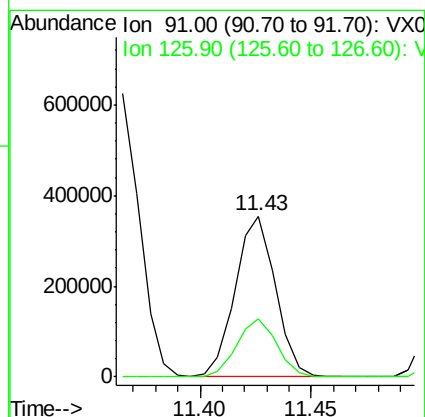
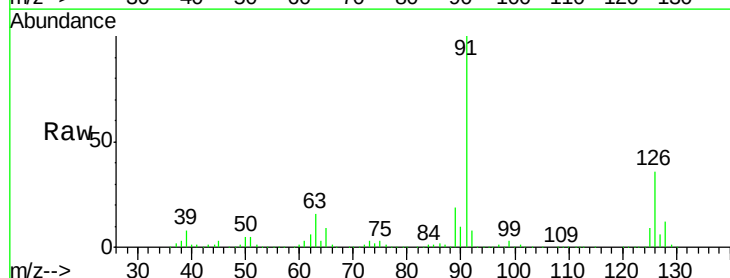
Acq: 16 Jun 2018 14:15

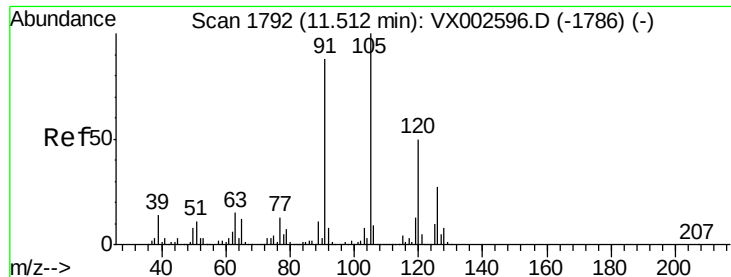
Tgt Ion: 91 Resp: 443110

Ion Ratio Lower Upper

91 100

126 36.1 17.7 53.1

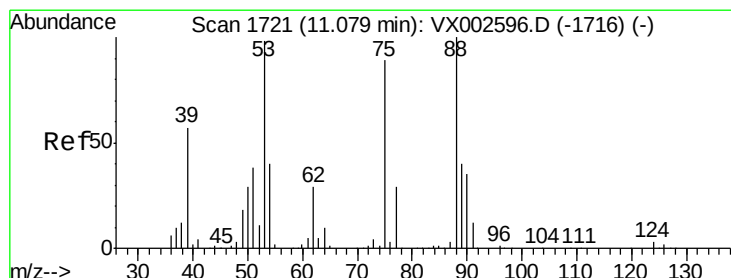
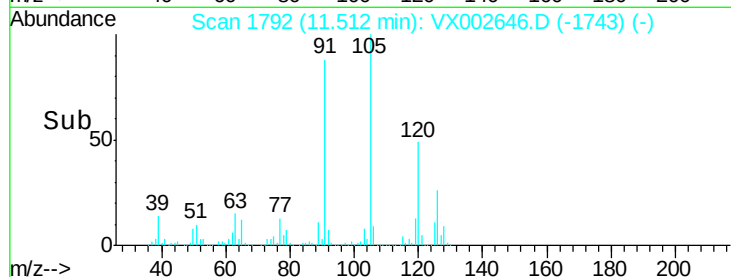
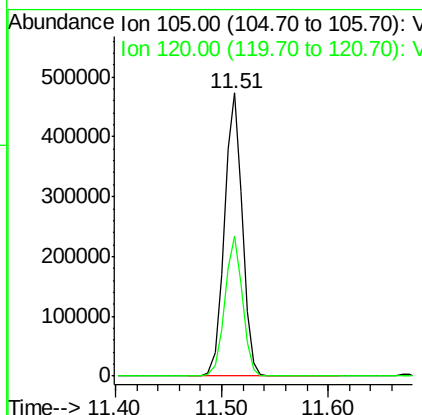
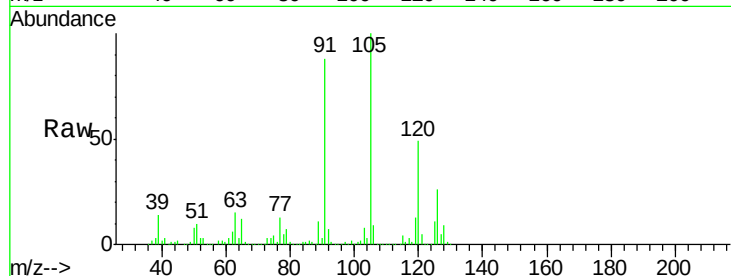




#80
 1,3,5-Trimethylbenzene
 Concen: 48.01 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

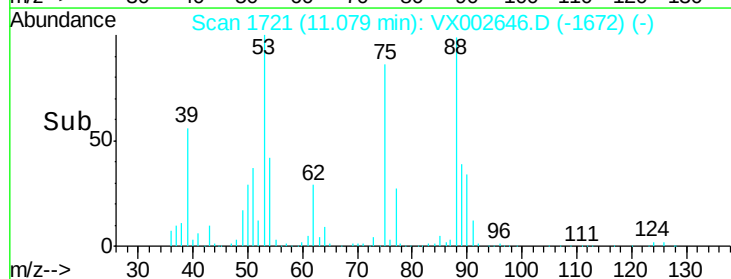
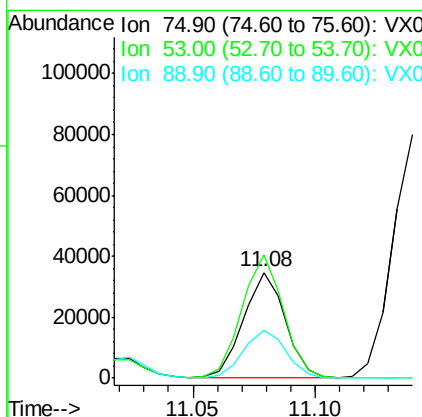
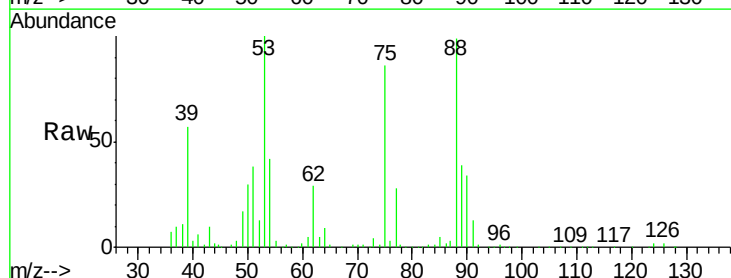
Instrument :
 MSVOA_X
 ClientSampled :

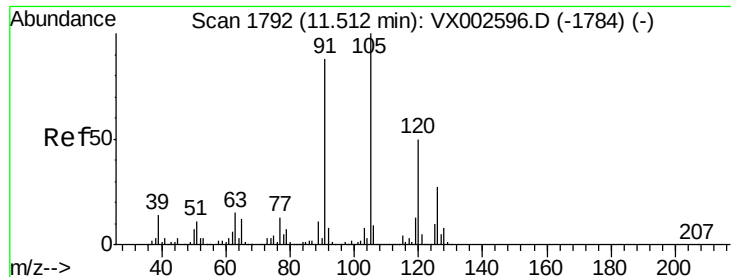
Tot Ion:105 Resp: 553515
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 35.28 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion: 75 Resp: 40813
 Ion Ratio Lower Upper
 75 100
 53 116.5 86.8 130.2
 89 47.0 38.2 57.2

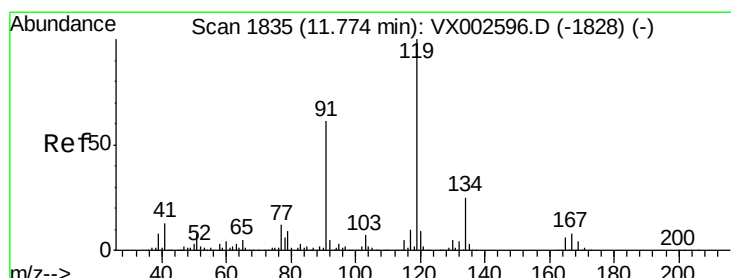
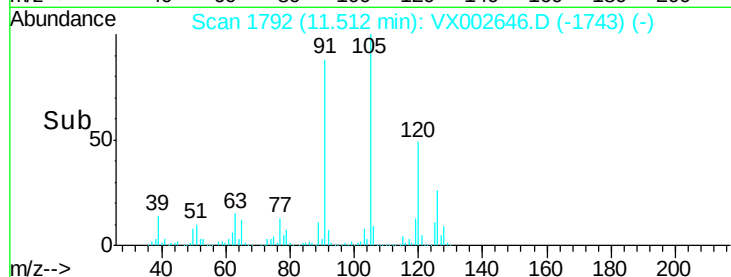
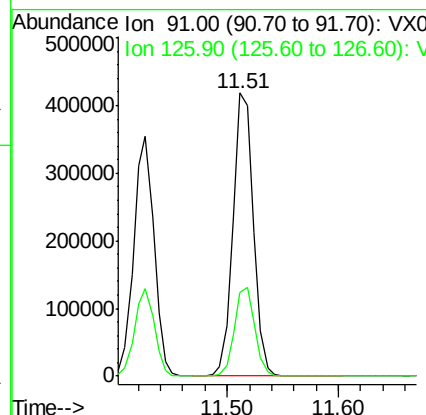
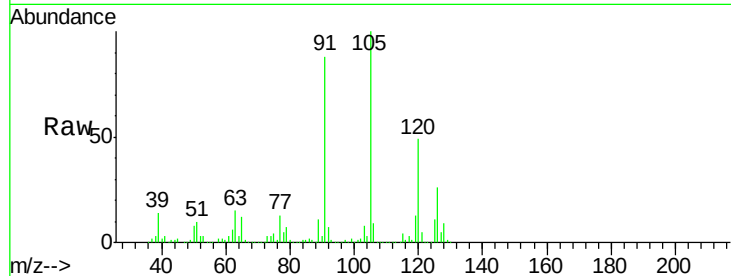




#82
4-Chlorotoluene
Concen: 47.87 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

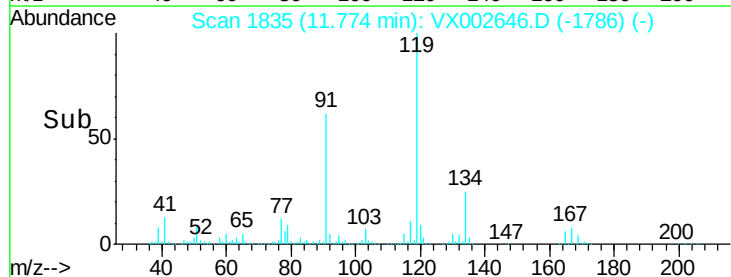
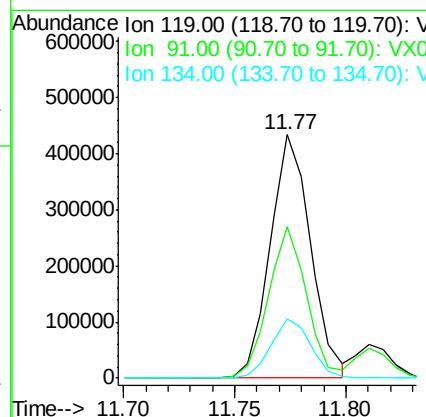
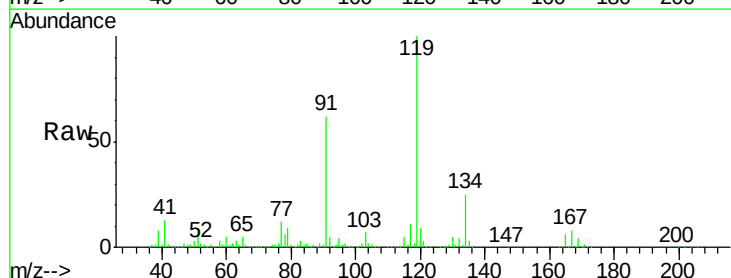
Instrument :
MSVOA_X
ClientSampled :

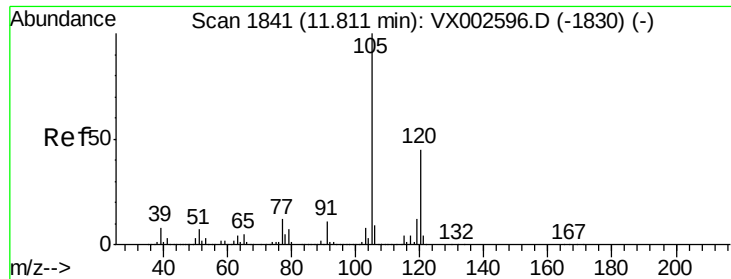
Tot Ion: 91 Resp: 527642
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4



#83
tert-Butylbenzene
Concen: 49.30 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002646.D
Acq: 16 Jun 2018 14:15

Tgt Ion: 119 Resp: 547531
Ion Ratio Lower Upper
119 100
91 58.6 30.3 90.9
134 24.0 11.7 35.1

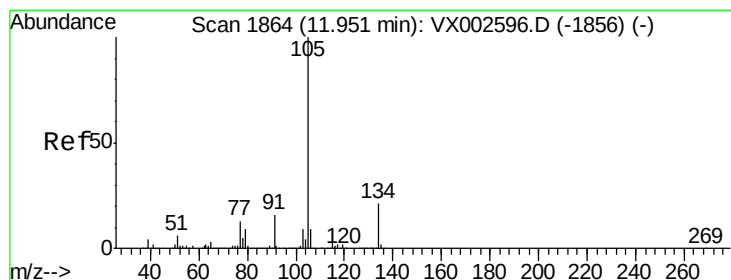
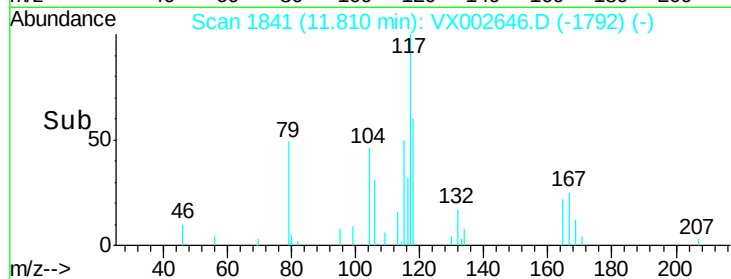
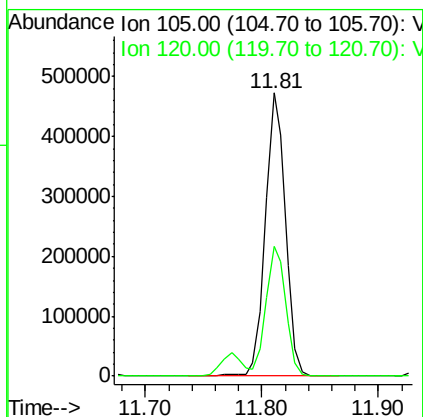
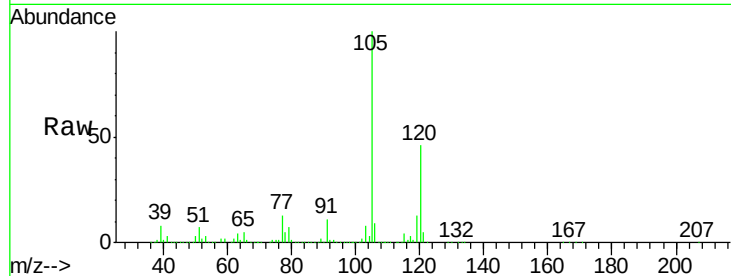




#84
 1,2,4-Trimethylbenzene
 Concen: 48.29 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

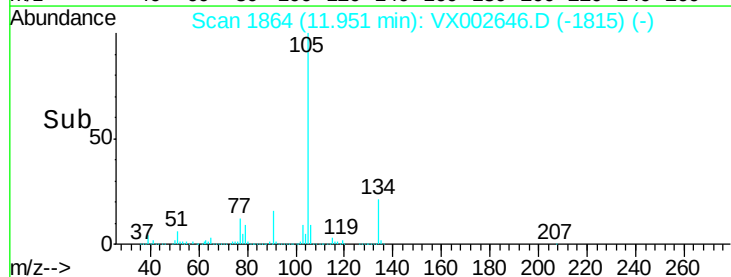
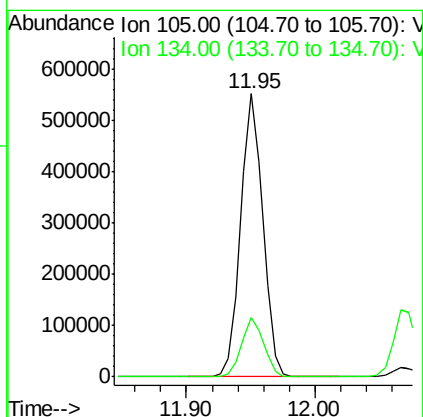
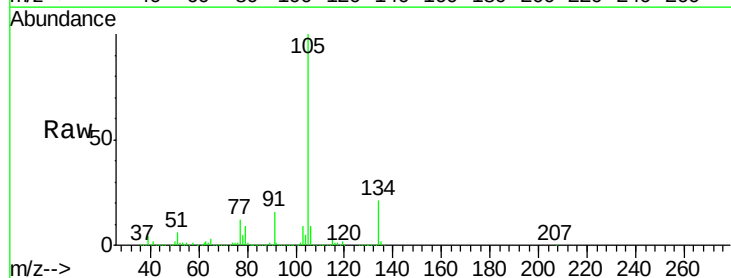
Instrument :
 MSVOA_X
 ClientSampled :

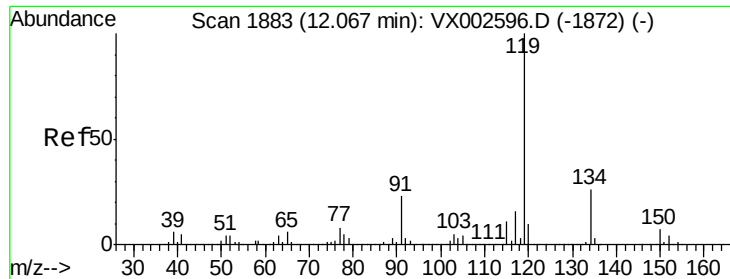
Tot Ion:105 Resp: 567997
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 47.66 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion:105 Resp: 658076
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.1

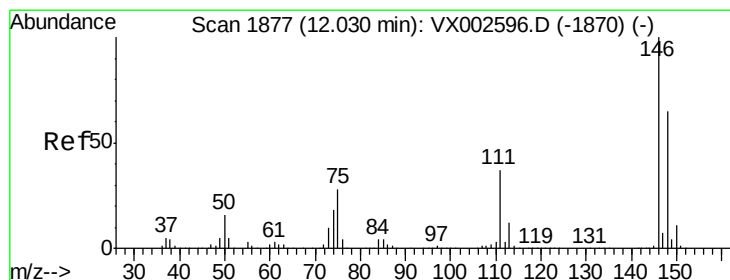
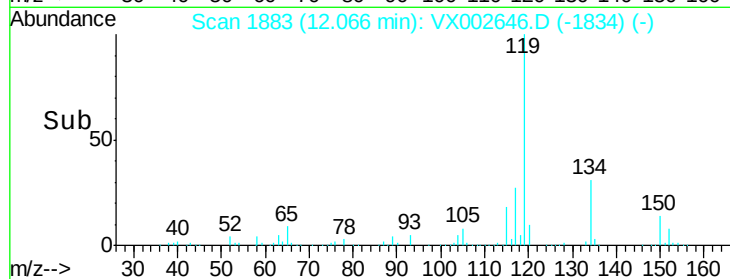
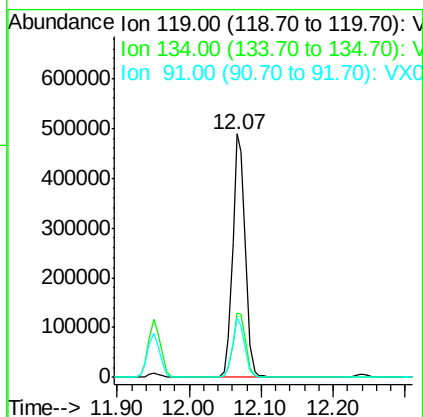
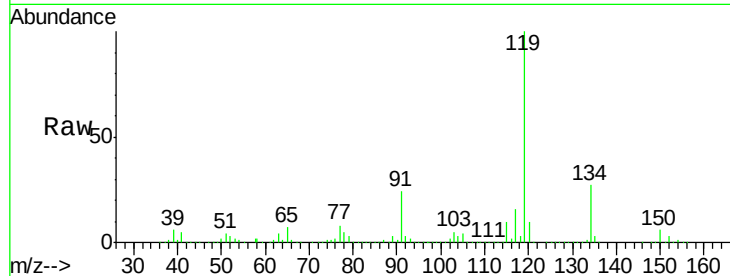




#86
 p-Isopropyltoluene
 Concen: 47.76 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

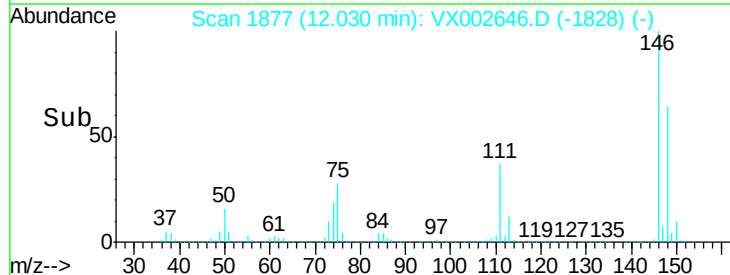
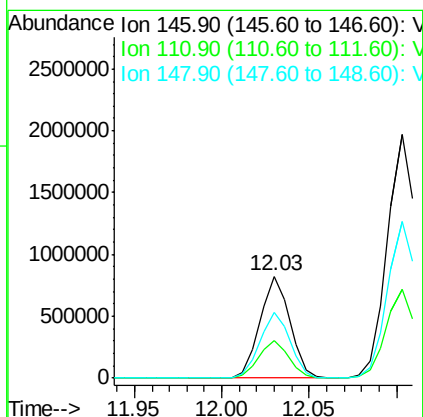
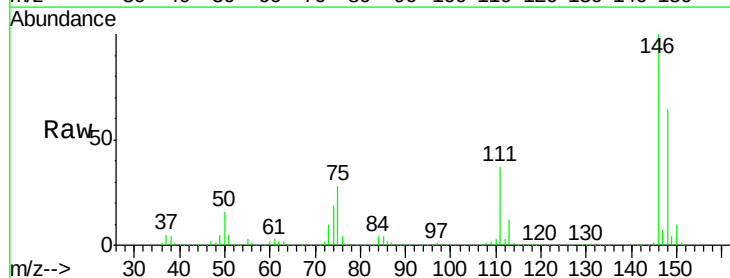
Instrument :
 MSVOA_X
 ClientSampleId :

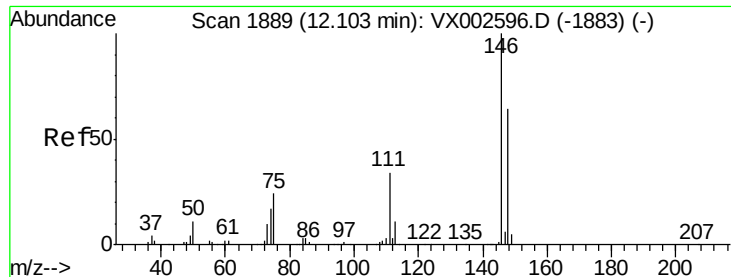
Tot Ion:119 Resp: 596728
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 23.6 11.9 35.7



#87
 1,3-Dichlorobenzene
 Concen: 140.96 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Tgt Ion:146 Resp: 982369
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.7
 148 64.5 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 322.79 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

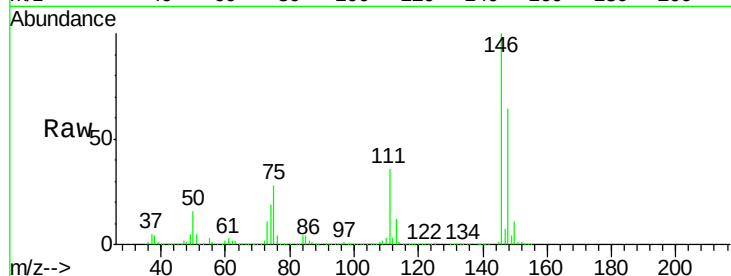
Tot Ion:146 Resp: 2289001

Ion Ratio Lower Upper

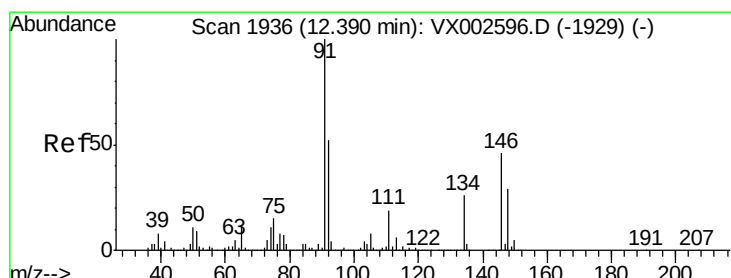
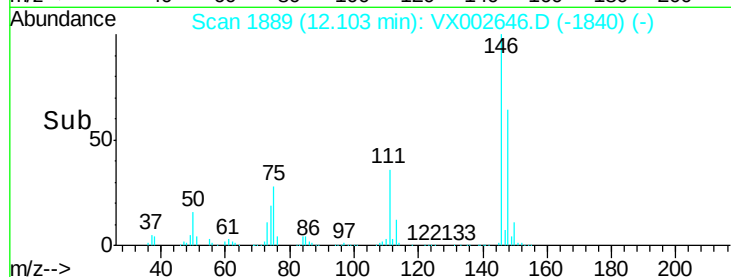
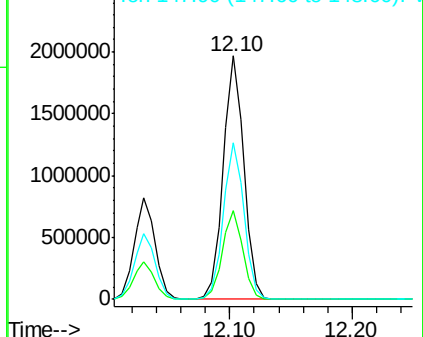
146 100

111 36.0 18.7 56.1

148 64.4 32.4 97.0



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



#89

n-Butylbenzene

Concen: 53.94 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

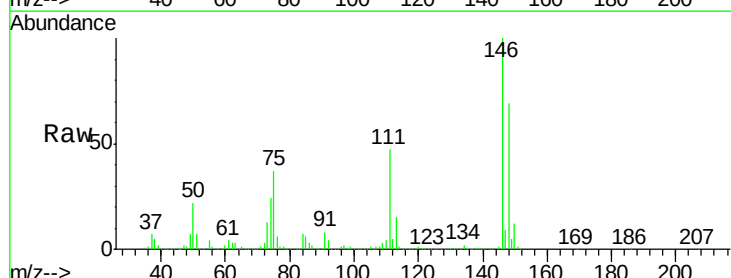
Tgt Ion: 91 Resp: 594517

Ion Ratio Lower Upper

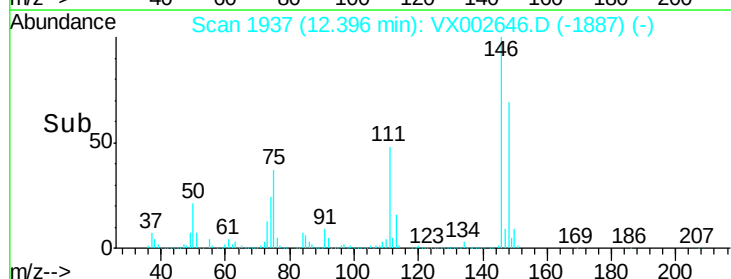
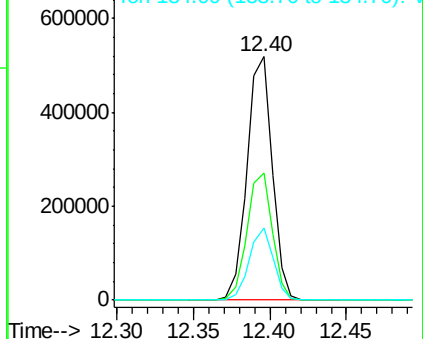
91 100

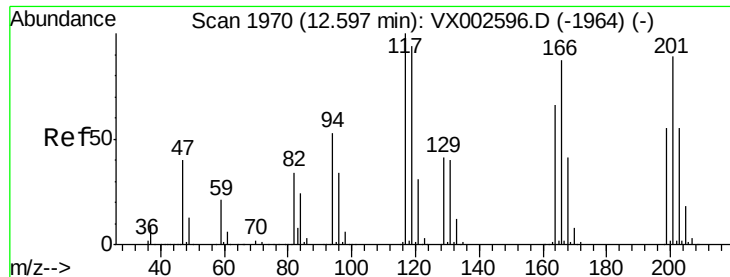
92 52.4 26.0 78.0

134 28.5 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: 45.29 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

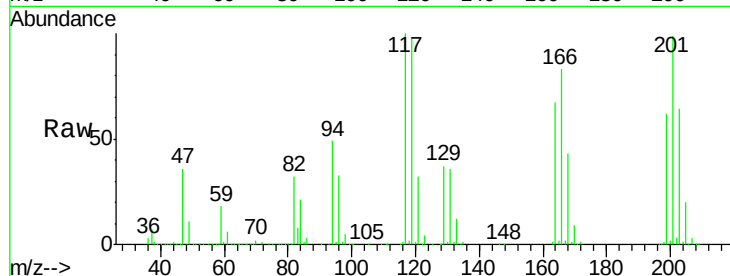
ClientSampled :

Tot Ion:117 Resp: 87707

Ion Ratio Lower Upper

117 100

201 96.7 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.60

80000

60000

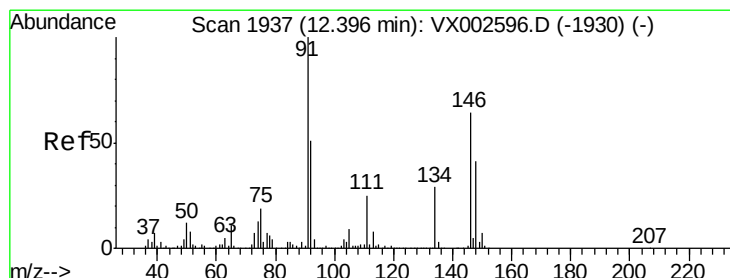
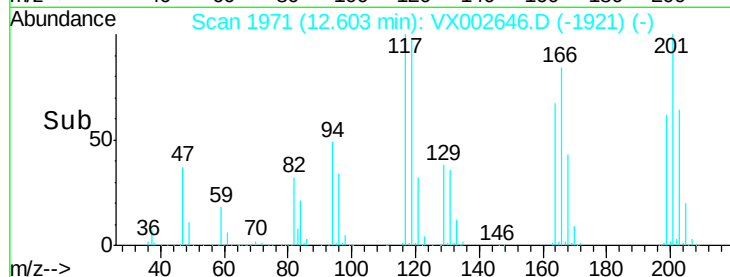
40000

20000

0

Time-->

12.55 12.60 12.65 12.70



#91

1,2-Dichlorobenzene

Concen: 1854.83 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.01 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

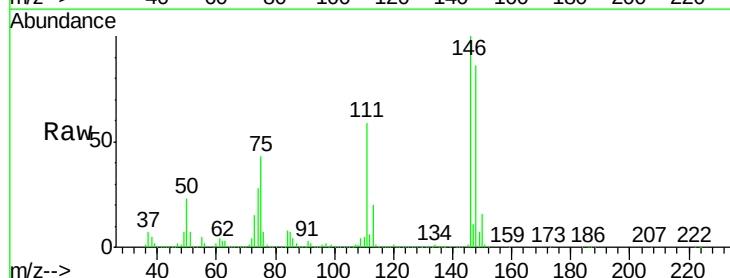
Tgt Ion:146 Resp:13010690

Ion Ratio Lower Upper

146 100

111 49.6 19.4 58.1

148 77.1 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

12.40

1e+07

8000000

6000000

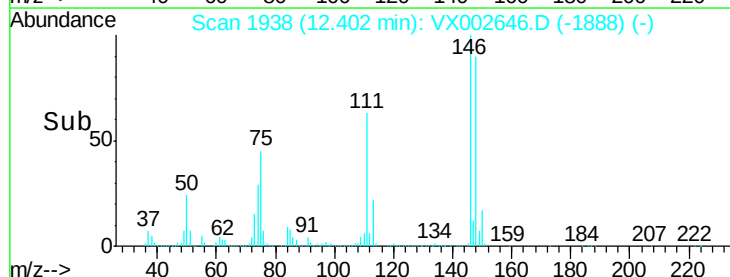
4000000

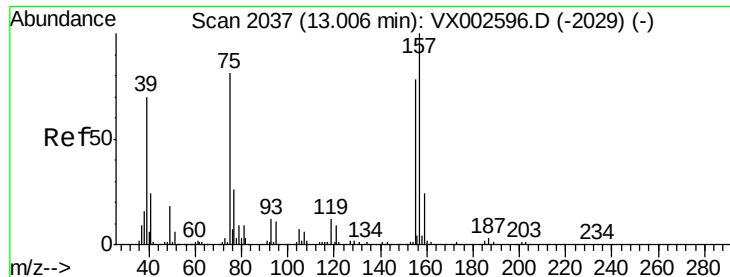
2000000

0

Time-->

12.30 12.40 12.50





#92

1,2-Dibromo-3-Chloropropane

Concen: 57.76 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

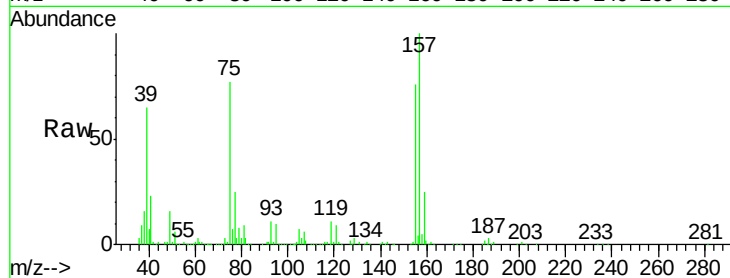
Tot Ion: 75 Resp: 48736

Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.8	137.4
157	125.2	60.1	180.3

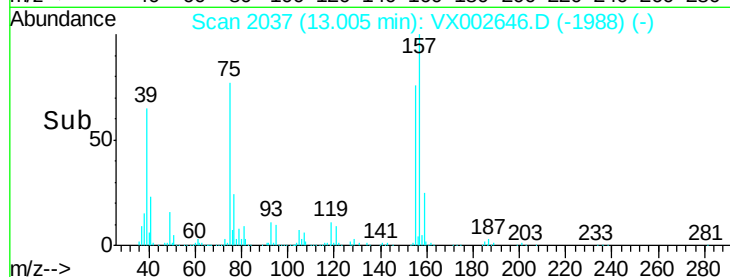
75 100

155 95.2 45.8 137.4

157 125.2 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX002646.D (-1988) (-)

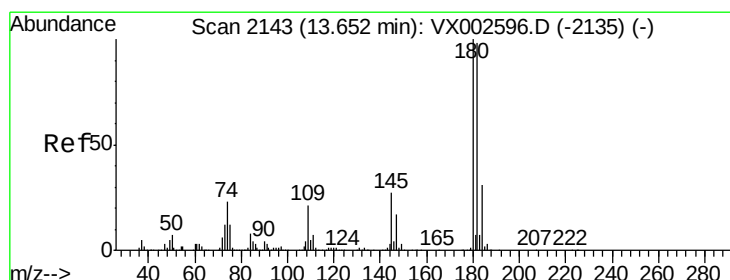


Ion 154.80 (154.50 to 155.50): VX002646.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX002646.D (-1988) (-)

13.01

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 56.36 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

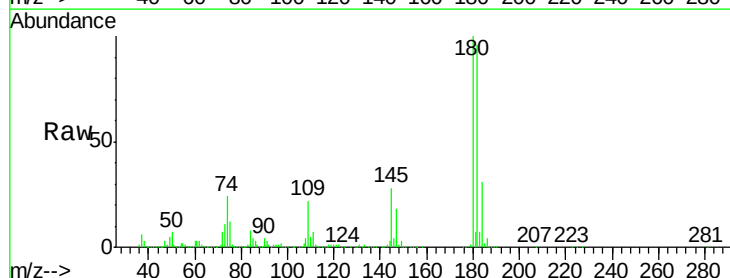
Tgt Ion: 180 Resp: 286925

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.7	143.1
145	28.0	14.1	42.4

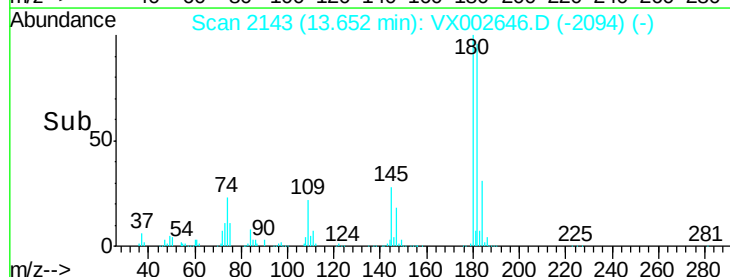
180 100

182 95.6 47.7 143.1

145 28.0 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): VX002646.D (-2094) (-)

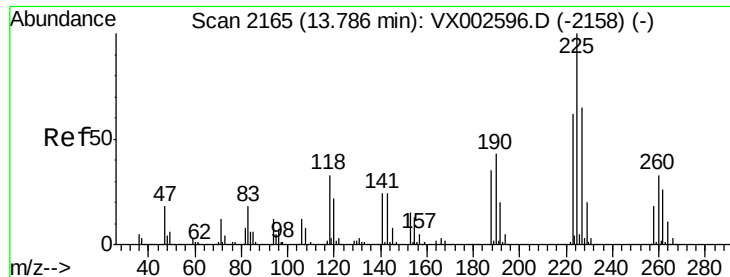


Ion 181.80 (181.50 to 182.50): VX002646.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX002646.D (-2094) (-)

13.65

Time-->



#94

Hexachlorobutadiene

Concen: 45.40 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

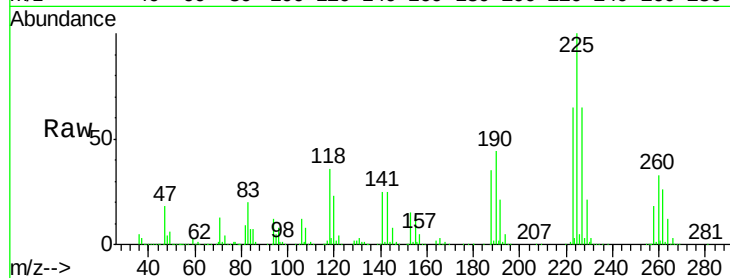
Tot Ion:225 Resp: 121739

Ion Ratio Lower Upper

225 100

223 63.5 31.6 95.0

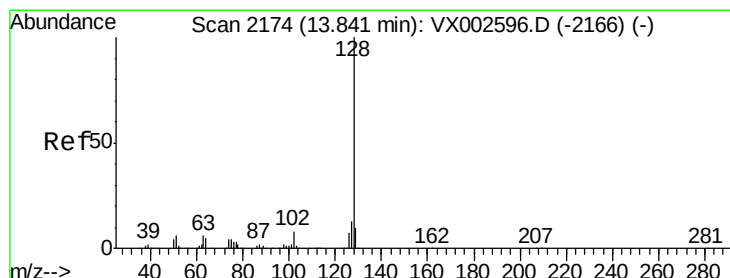
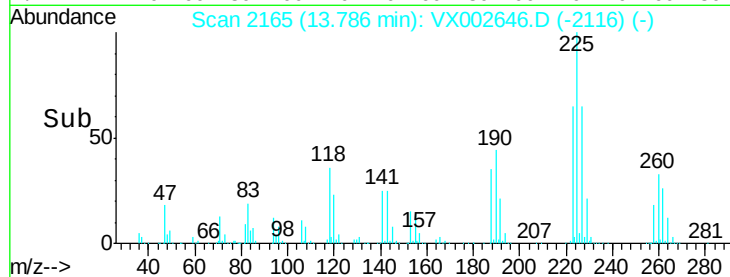
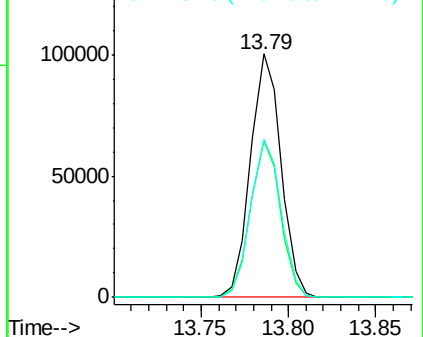
227 64.6 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 54.09 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002646.D

Acq: 16 Jun 2018 14:15

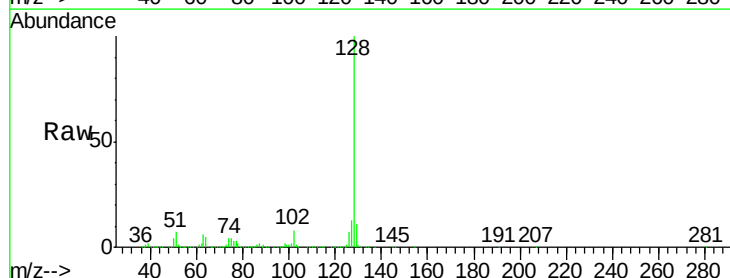
Tgt Ion:128 Resp: 740937

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

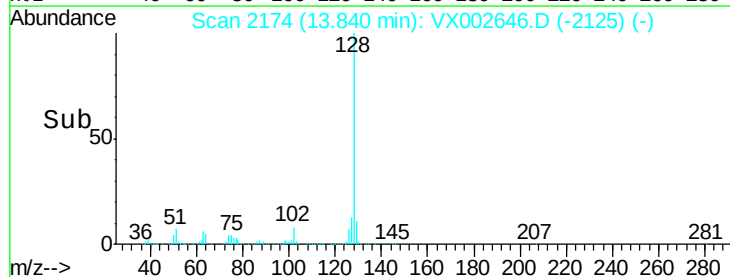
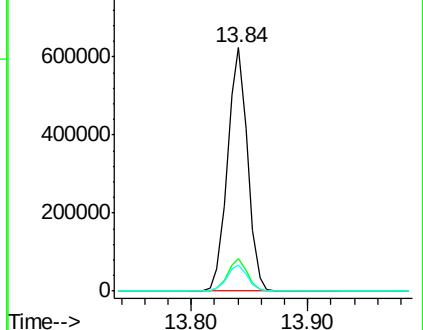
129 10.9 8.6 13.0

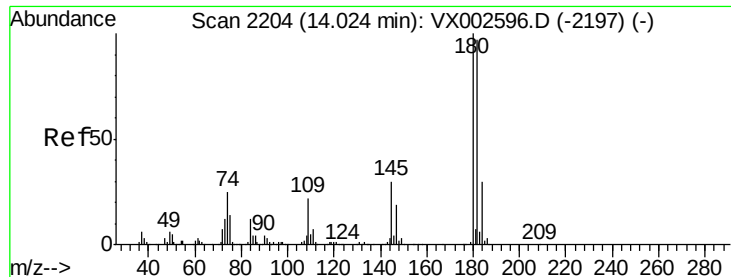


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

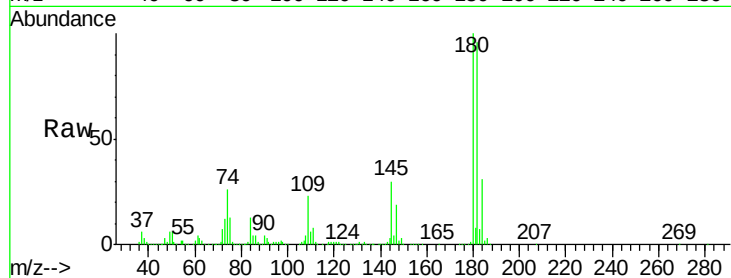




#96
 1,2,3-Trichlorobenzene
 Concen: 54.88 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002646.D
 Acq: 16 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.0	144.0
145	29.8	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

