

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002648.D
 Acq On : 16 Jun 2018 15:08
 Operator : JC/MD
 Sample : J3477-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:13:37 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	149419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	265630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	147291	64.87	ug/l	0.00
Spiked Amount			Recovery	=	129.74%	
35) Dibromofluoromethane	5.51	113	113519	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
50) Toluene-d8	8.72	98	396823	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	154194	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	41898	26.41	ug/l	98
3) Chloromethane	1.32	50	106278	56.32	ug/l	99
4) Vinyl Chloride	1.41	62	124305	63.48	ug/l	# 88
5) Bromomethane	1.64	94	60832	51.49	ug/l	98
6) Chloroethane	1.72	64	121442	94.10	ug/l	93
7) Trichlorofluoromethane	1.93	101	119359	37.52	ug/l	99
8) Diethyl Ether	2.19	74	78328	64.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49630	27.91	ug/l	99
10) Methyl Iodide	2.51	142	134333	55.36	ug/l	99
11) Tert butyl alcohol	3.08	59	130935	278.94	ug/l	98
12) 1,1-Dichloroethene	2.37	96	79347	47.53	ug/l	98
13) Acrolein	2.30	56	61463	278.50	ug/l	97
14) Allyl chloride	2.73	41	183904	55.48	ug/l	98
15) Acrylonitrile	3.15	53	332417	324.53	ug/l	100
16) Acetone	2.45	43	317152	316.59	ug/l	98
17) Carbon Disulfide	2.57	76	211375	53.38	ug/l	99
18) Methyl Acetate	2.78	43	149314	55.95	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	413426	66.01	ug/l	99
20) Methylene Chloride	2.86	84	120615	58.72	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	103876	57.35	ug/l	99
22) Diisopropyl ether	3.88	45	379807	63.33	ug/l	99
23) Vinyl Acetate	3.83	43	1341271	267.20	ug/l	99
24) 1,1-Dichloroethane	3.70	63	204583	62.85	ug/l	100
25) 2-Butanone	4.71	43	422698	321.30	ug/l	99
26) 2,2-Dichloropropane	4.59	77	69819	29.85	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	152433	82.71	ug/l	88
28) Bromochloromethane	5.03	49	106143	69.63	ug/l	97
29) Tetrahydrofuran	5.17	42	282773	327.96	ug/l	98
30) Chloroform	5.22	83	205476	65.46	ug/l	98
31) Cyclohexane	5.58	56	88225	32.92	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	148454	56.55	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114517	40.59	ug/l	98
37) Ethyl Acetate	4.87	43	143896	45.06	ug/l	99
38) Carbon Tetrachloride	5.79	117	116415	41.44	ug/l	99

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 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	73807	22.38	ug/l	95
40) Benzene	6.15	78	431520	51.01	ug/l	99
41) Methacrylonitrile	5.07	41	100080	55.51	ug/l	98
42) 1,2-Dichloroethane	6.20	62	178812	54.60	ug/l	99
43) Isopropyl Acetate	6.47	43	258716	48.90	ug/l	99
44) Trichloroethene	7.22	130	110924	45.43	ug/l	100
45) 1,2-Dichloropropane	7.52	63	118584	53.26	ug/l	100
46) Dibromomethane	7.67	93	84312	56.61	ug/l	98
47) Bromodichloromethane	7.90	83	151171	57.55	ug/l	97
48) Methyl methacrylate	7.78	41	149424	55.27	ug/l	99
49) 1,4-Dioxane	7.76	88	47702	931.72	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	928171	273.24	ug/l	99
52) Toluene	8.79	92	272683	50.53	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	158867	45.90	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	149191	45.30	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	124520	57.11	ug/l	97
56) Ethyl methacrylate	9.18	69	188779	56.26	ug/l	97
57) 1,3-Dichloropropane	9.38	76	201938	54.76	ug/l	99
59) 2-Hexanone	9.50	43	701057	273.89	ug/l	98
60) Dibromochloromethane	9.59	129	126286	51.38	ug/l	100
61) 1,2-Dibromoethane	9.68	107	130898	57.97	ug/l	100
64) Tetrachloroethene	9.34	164	94891	31.95	ug/l	98
65) Chlorobenzene	10.14	112	354683	53.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	124888	55.75	ug/l	99
67) Ethyl Benzene	10.26	91	521575	47.06	ug/l	99
68) m/p-Xylenes	10.36	106	404182	94.54	ug/l	99
69) o-Xylene	10.70	106	208711	49.69	ug/l	97
70) Styrene	10.71	104	351344	50.86	ug/l	99
71) Bromoform	10.86	173	97710	48.11	ug/l	100
73) Isopropylbenzene	11.02	105	505057	45.69	ug/l	100
74) N-amyl acetate	6.47	43	258716	47.11	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	191657	58.72	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	195427	62.67	ug/l	80
77) Bromobenzene	11.26	156	161043	52.30	ug/l	97
78) n-propylbenzene	11.37	91	558145	44.03	ug/l	99
79) 2-Chlorotoluene	11.43	91	370160	48.91	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	442900	47.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34460	36.58	ug/l	95
82) 4-Chlorotoluene	11.51	91	437099	48.94	ug/l	99
83) tert-Butylbenzene	11.77	119	432735	48.09	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	470808	49.39	ug/l	98
85) sec-Butylbenzene	11.95	105	462099	41.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	430657	42.54	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	286582	50.75	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	312459	54.38	ug/l	99
89) n-Butylbenzene	12.39	91	338715	37.92	ug/l	99
90) Hexachloroethane	12.60	117	70155	44.74	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	424378	74.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40843	59.74	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	201990	48.97	ug/l	99

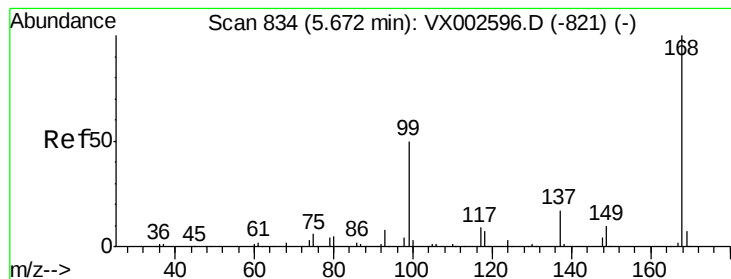
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	71690	32.99	ug/l	99
95) Naphthalene	13.84	128	622620	56.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	213740	51.59	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

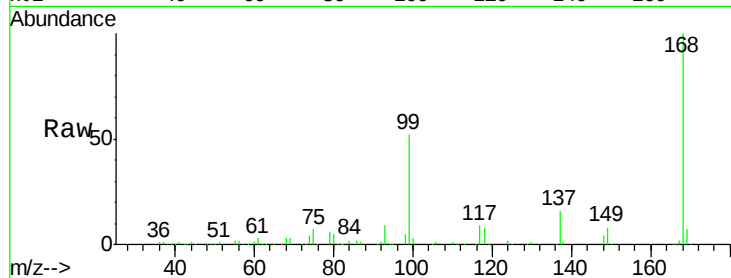
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 149419

Ion Ratio Lower Upper

168 100

99 52.2 39.3 58.9

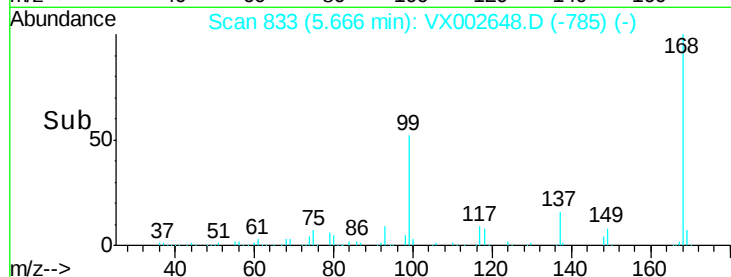


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



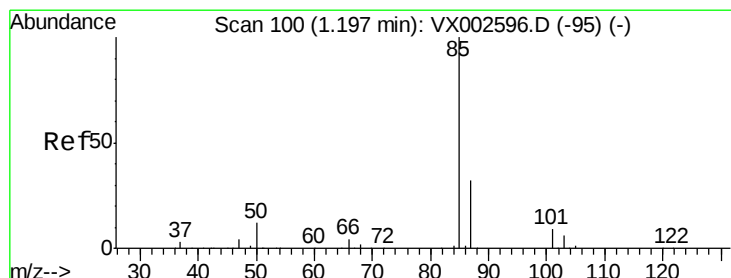
Abundance

Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 26.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002648.D

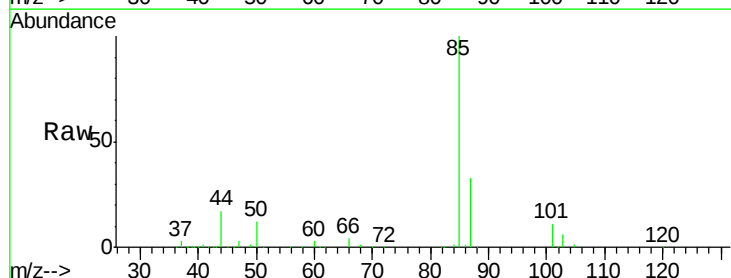
Acq: 16 Jun 2018 15:08

Tgt Ion: 85 Resp: 41898

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9

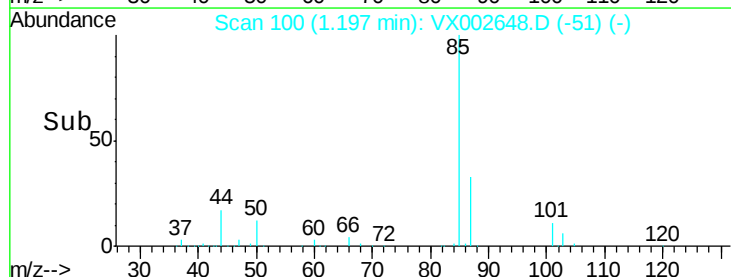


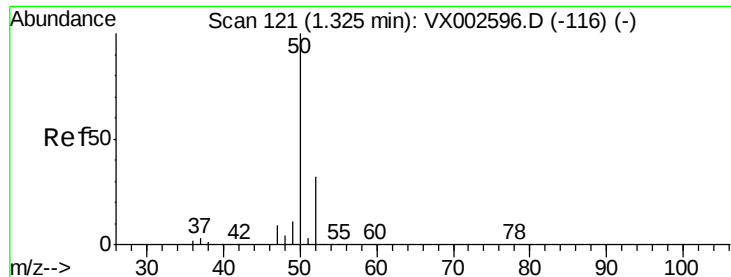
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 56.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

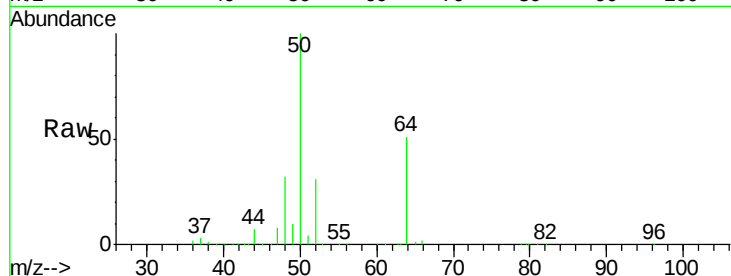
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 106278

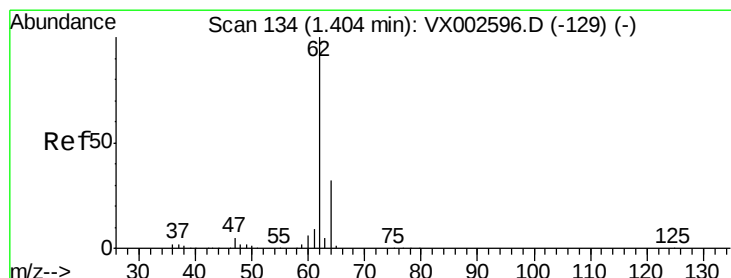
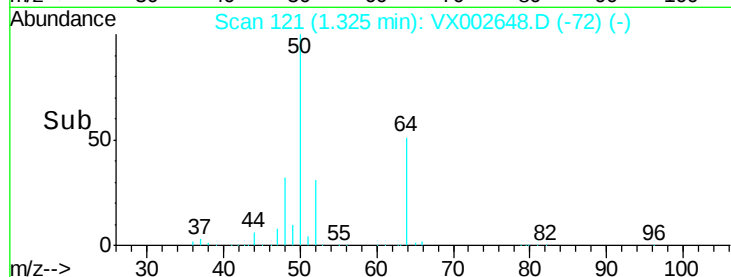
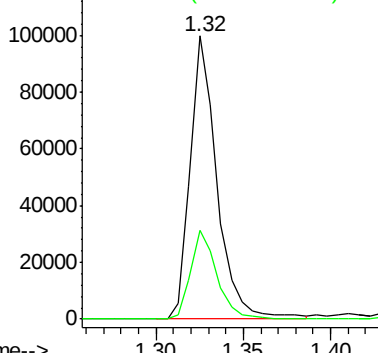
Ion Ratio Lower Upper

50 100

52 31.4 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: 63.48 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002648.D

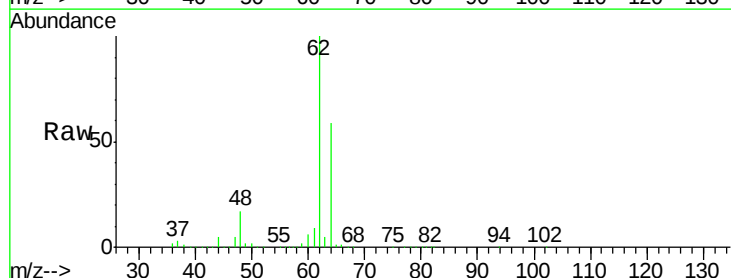
Acq: 16 Jun 2018 15:08

Tgt Ion: 62 Resp: 124305

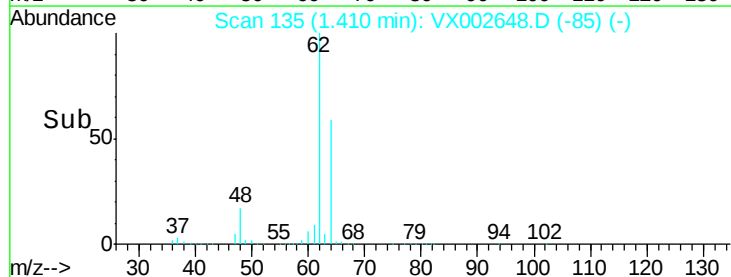
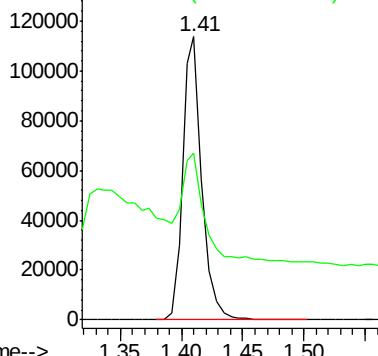
Ion Ratio Lower Upper

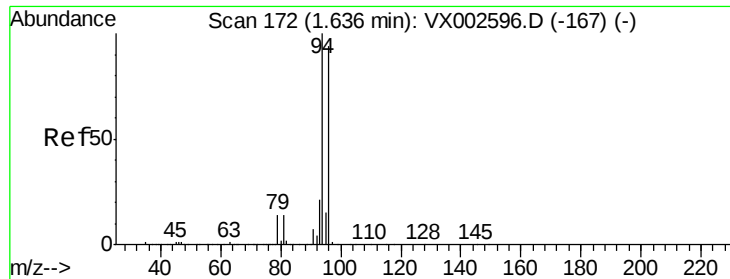
62 100

64 38.3 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: 51.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

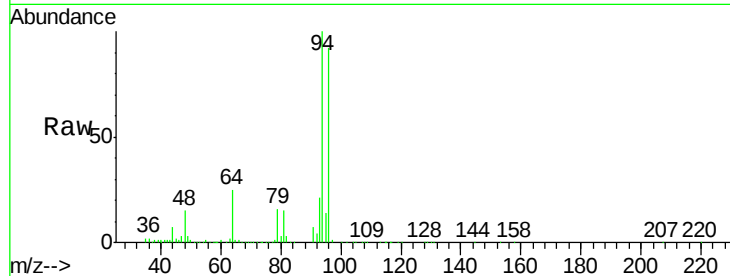
ClientSampleId :

Tot Ion: 94 Resp: 60832

Ion Ratio Lower Upper

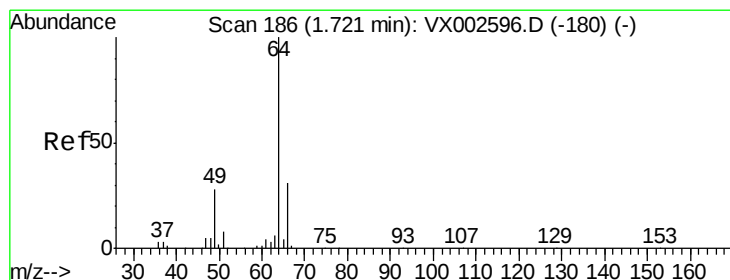
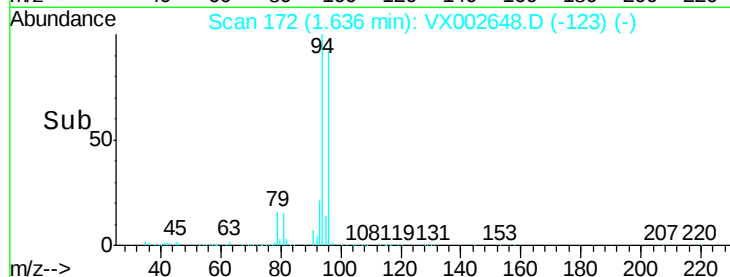
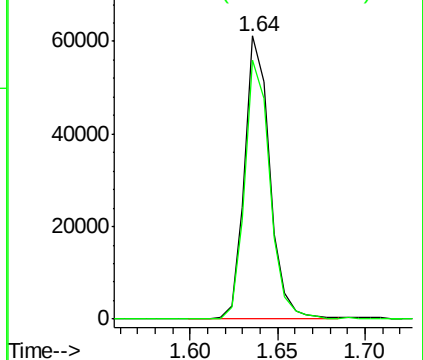
94 100

96 91.9 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: 94.10 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002648.D

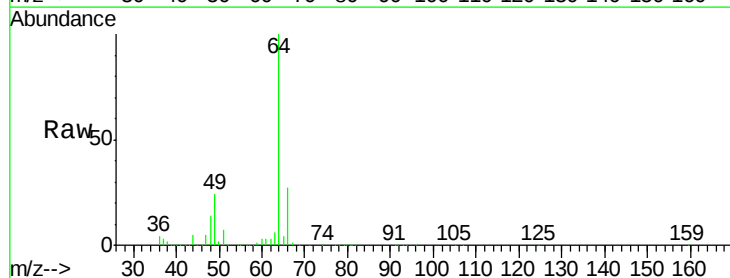
Acq: 16 Jun 2018 15:08

Tgt Ion: 64 Resp: 121442

Ion Ratio Lower Upper

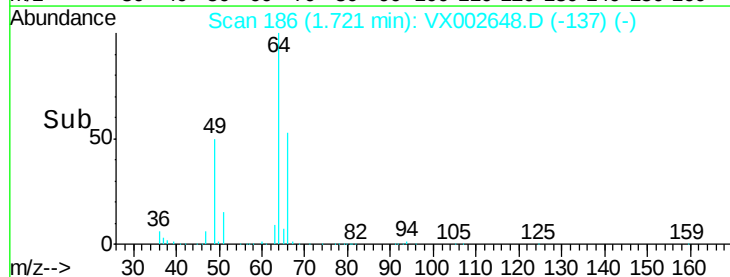
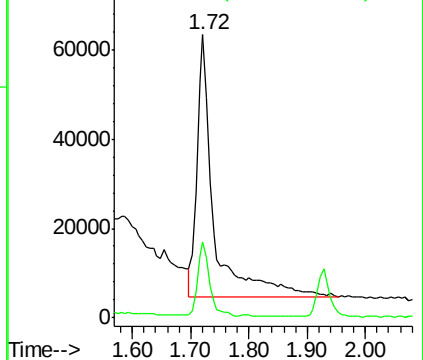
64 100

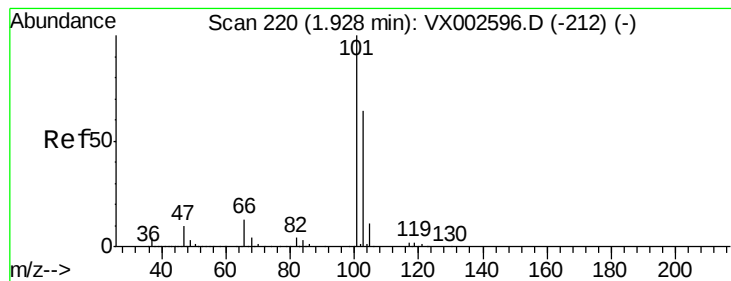
66 27.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



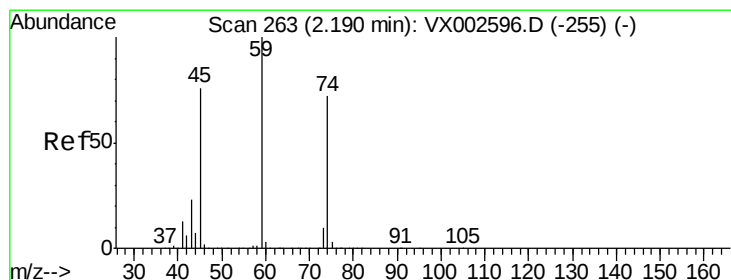
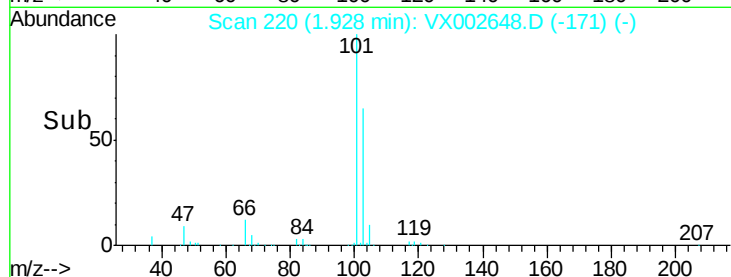
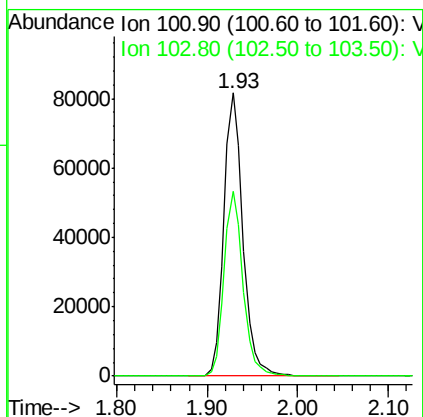
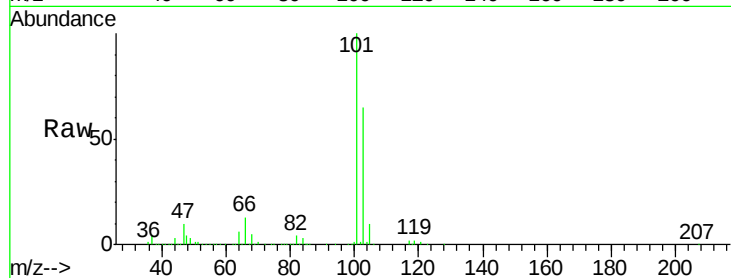


#7

Trichlorofluoromethane
 Concen: 37.52 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :

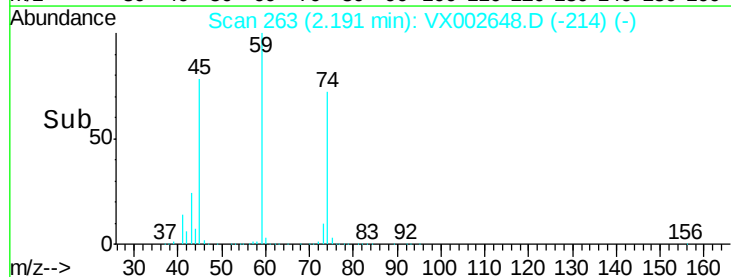
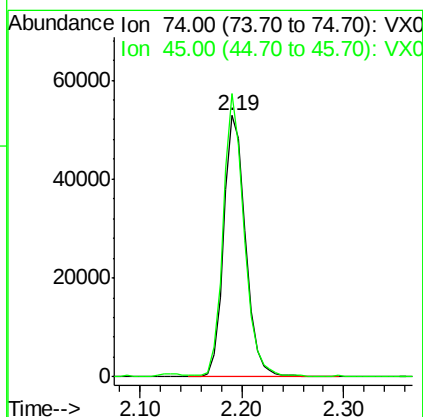
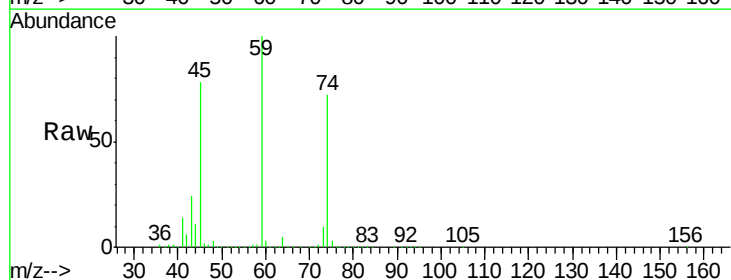
Tot Ion:101 Resp: 119359
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.8 79.2

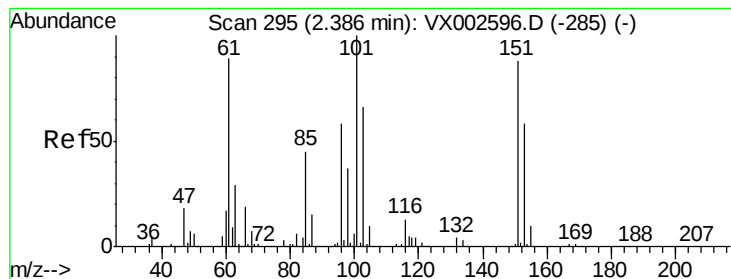


#8

Diethyl Ether
 Concen: 64.74 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion: 74 Resp: 78328
 Ion Ratio Lower Upper
 74 100
 45 103.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.91 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

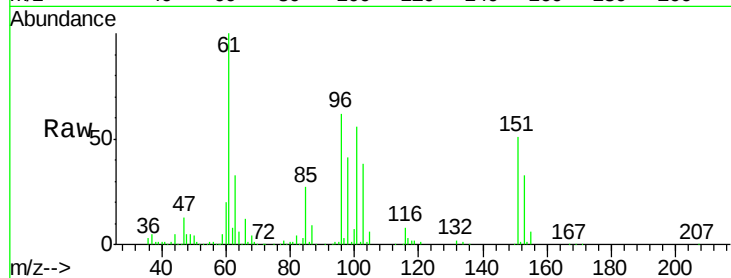
Tot Ion:101 Resp: 49630

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

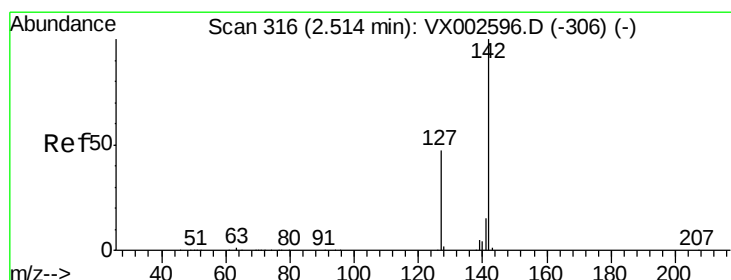
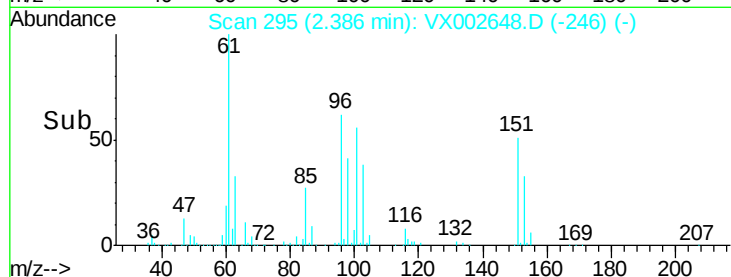
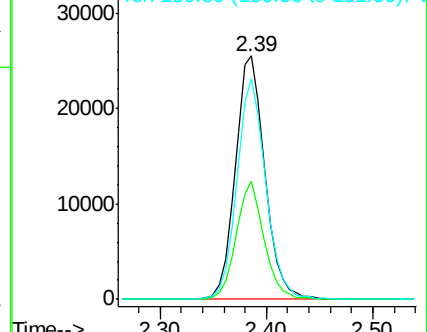
151 89.0 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.36 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

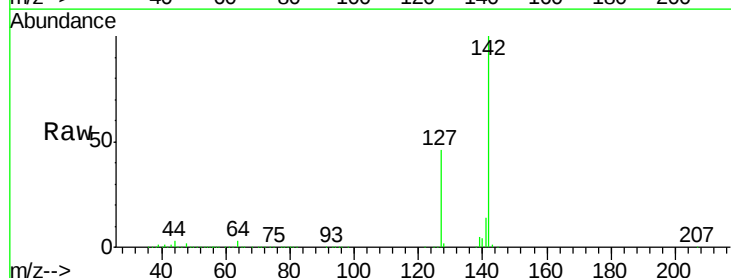
Tgt Ion:142 Resp: 134333

Ion Ratio Lower Upper

142 100

127 46.5 36.6 55.0

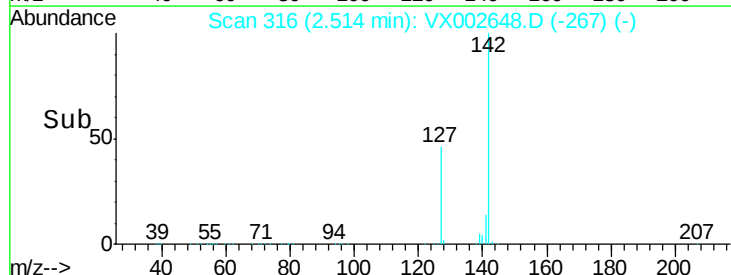
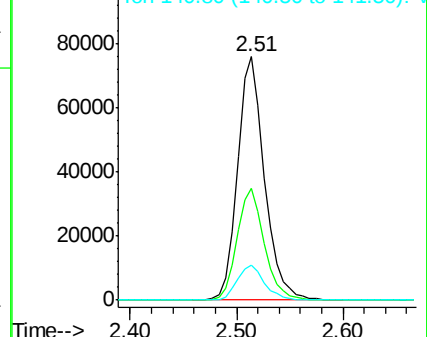
141 14.6 11.3 16.9

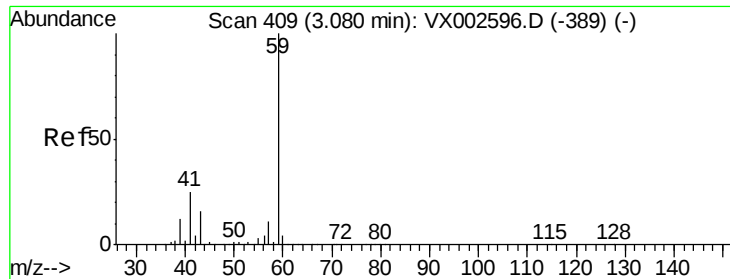


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



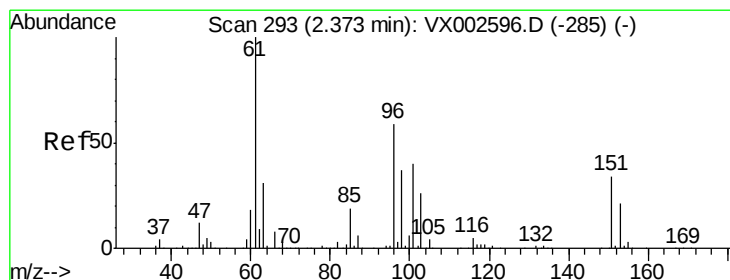
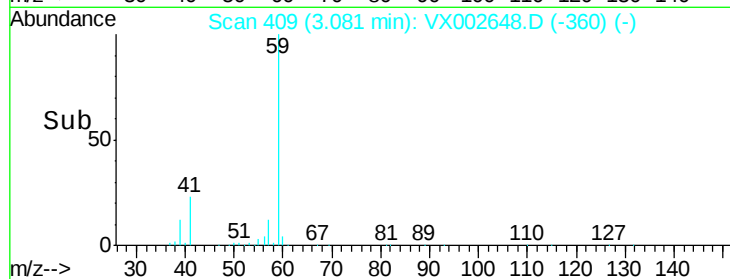
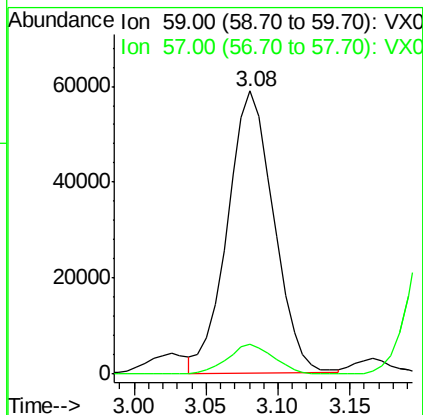
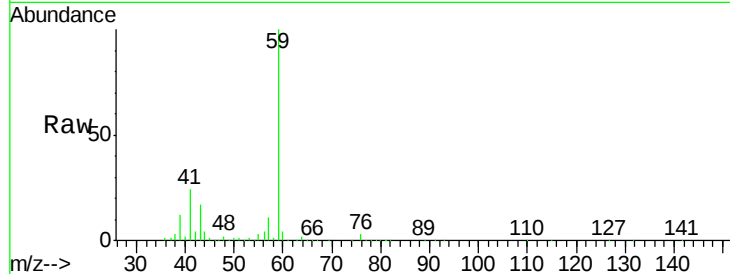


#11

Tert butyl alcohol
 Concen: 278.94 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :

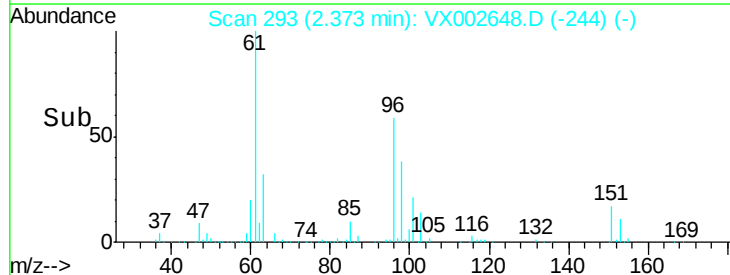
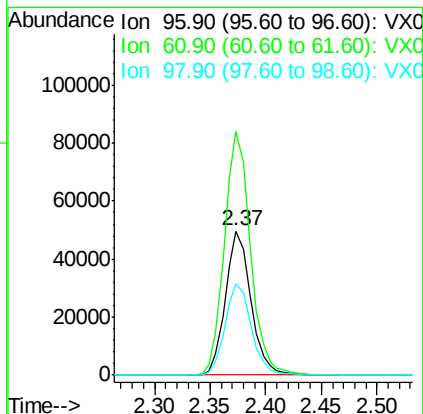
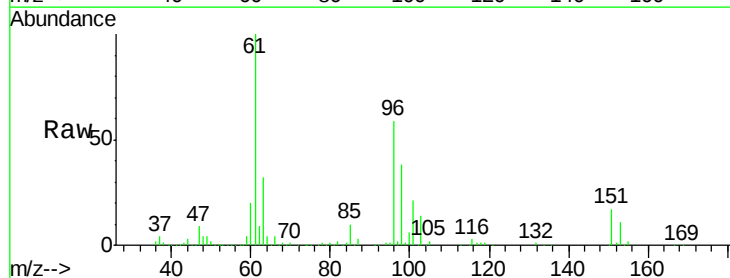
Tot Ion: 59 Resp: 130935
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.2 12.2

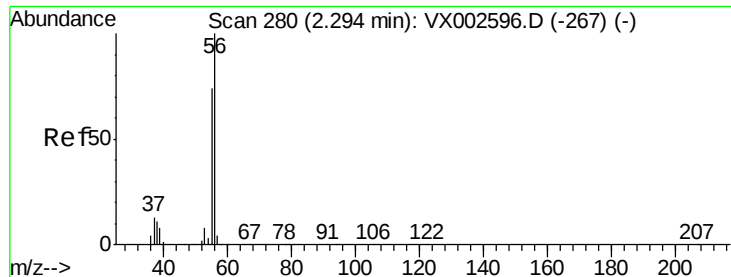


#12

1,1-Dichloroethene
 Concen: 47.53 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion: 96 Resp: 79347
 Ion Ratio Lower Upper
 96 100
 61 168.8 137.9 206.9
 98 63.4 51.6 77.4





#13

Acrolein

Concen: 278.50 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

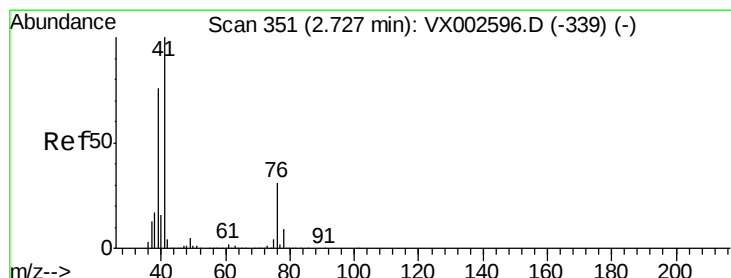
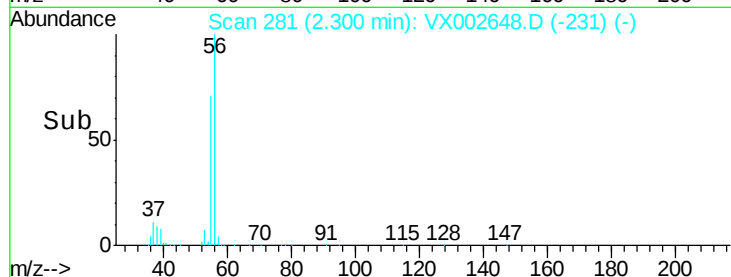
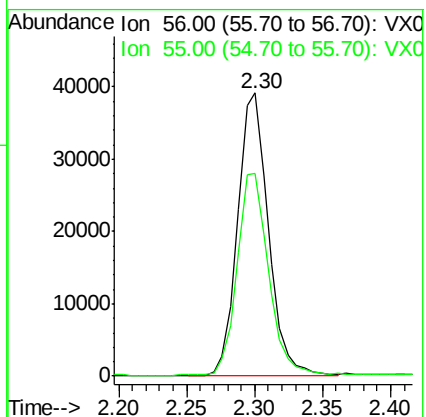
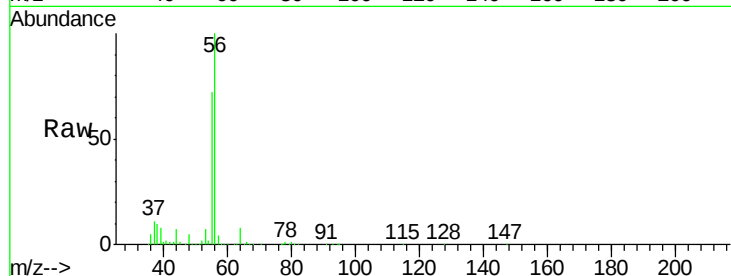
ClientSampled :

Tot Ion: 56 Resp: 61463

Ion Ratio Lower Upper

56 100

55 73.5 57.0 85.4



#14

Allyl chloride

Concen: 55.48 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

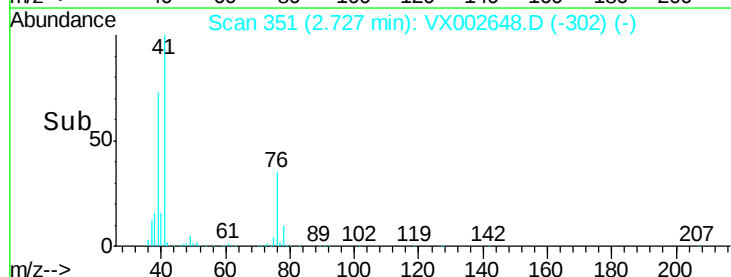
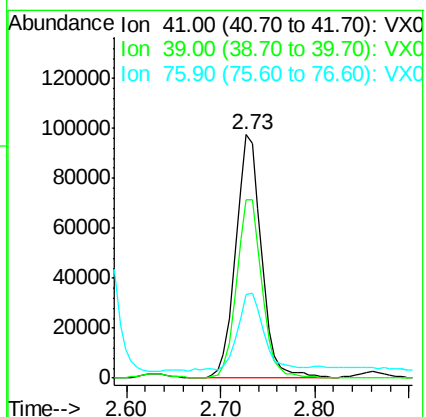
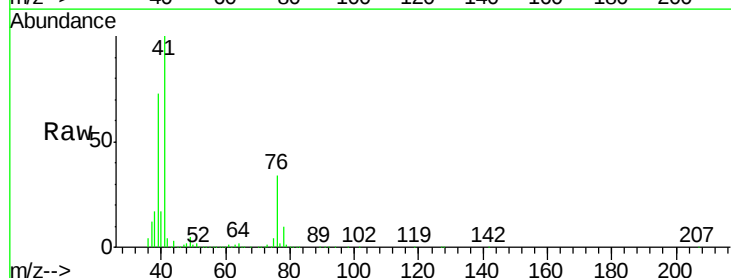
Tgt Ion: 41 Resp: 183904

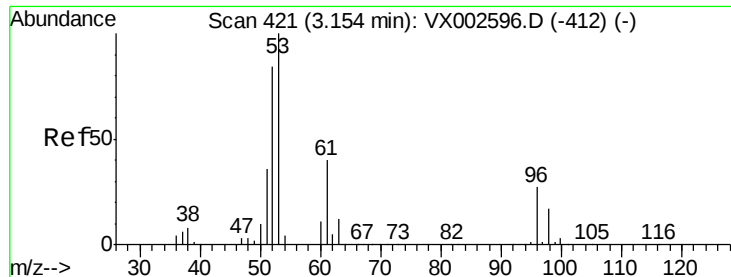
Ion Ratio Lower Upper

41 100

39 72.3 56.8 85.2

76 31.3 23.8 35.8





#15

Acrylonitrile

Concen: 324.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :

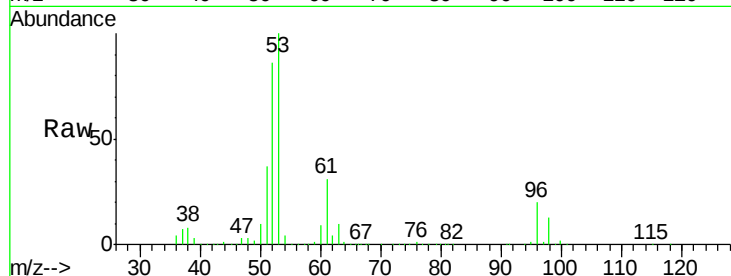
Tot Ion: 53 Resp: 332417

Ion Ratio Lower Upper

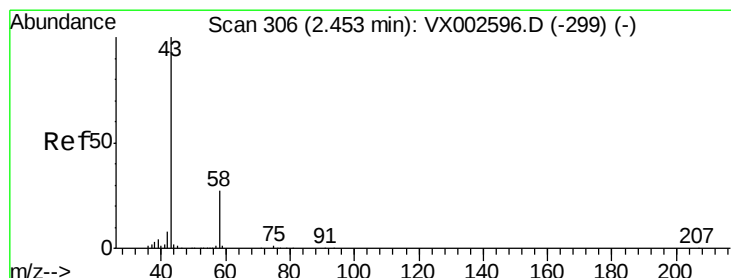
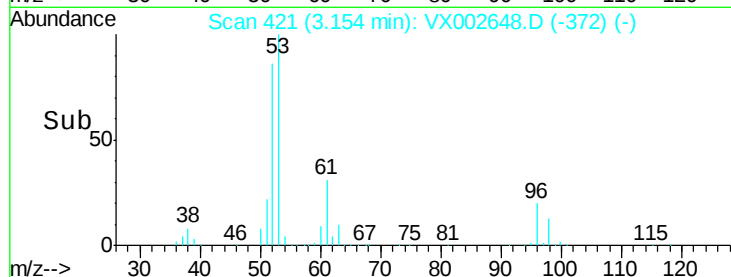
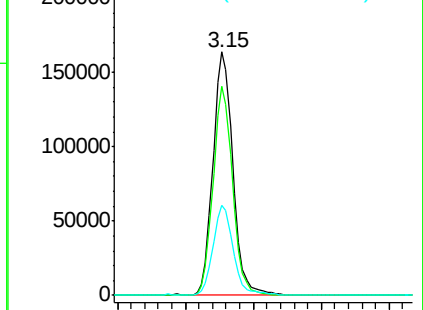
53 100

52 83.9 66.7 100.1

51 37.5 29.9 44.9



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



#16

Acetone

Concen: 316.59 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002648.D

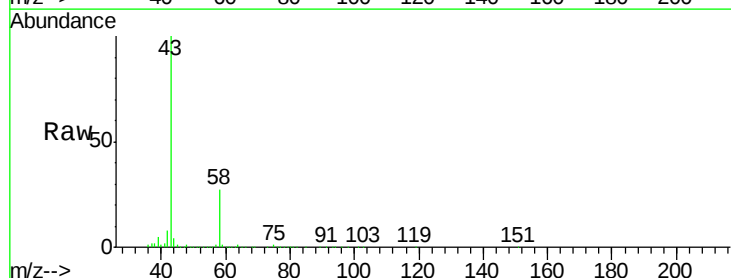
Acq: 16 Jun 2018 15:08

Tgt Ion: 43 Resp: 317152

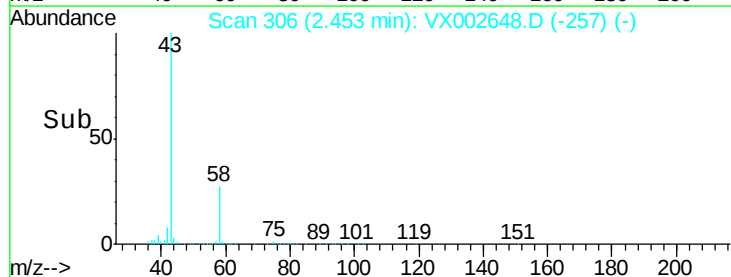
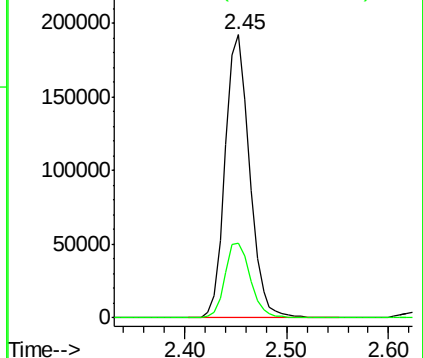
Ion Ratio Lower Upper

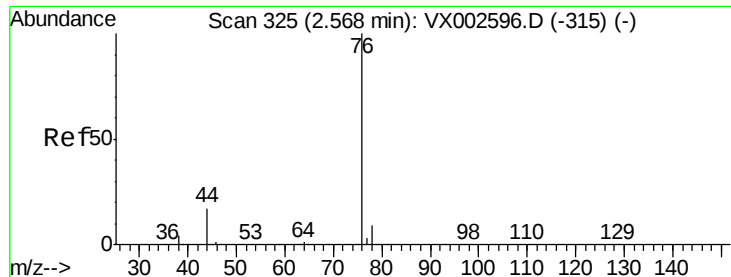
43 100

58 26.6 22.1 33.1



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

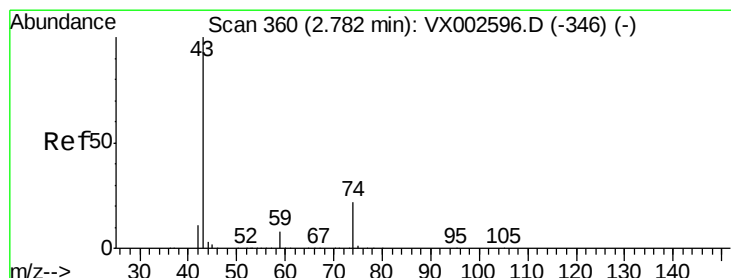
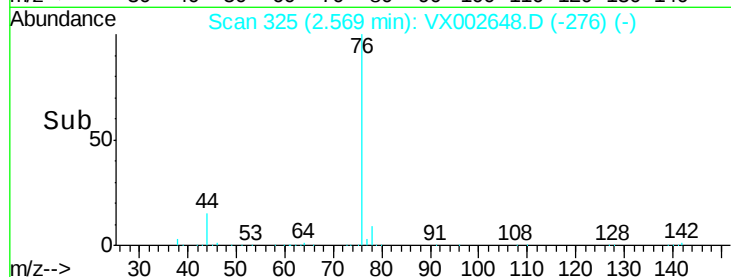
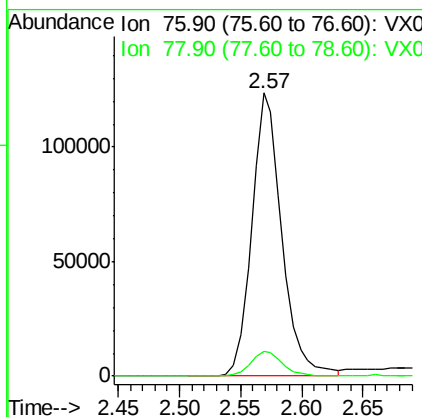
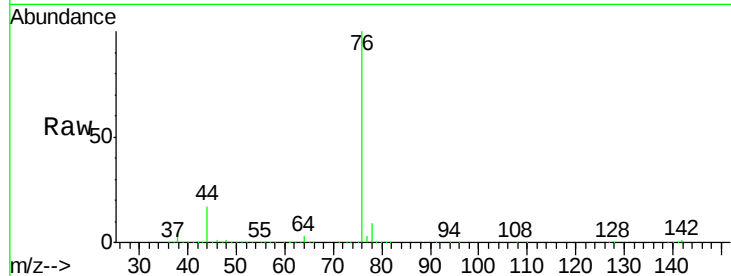




#17
Carbon Disulfide
Concen: 53.38 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

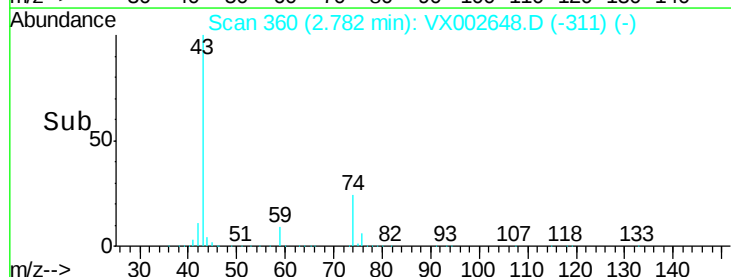
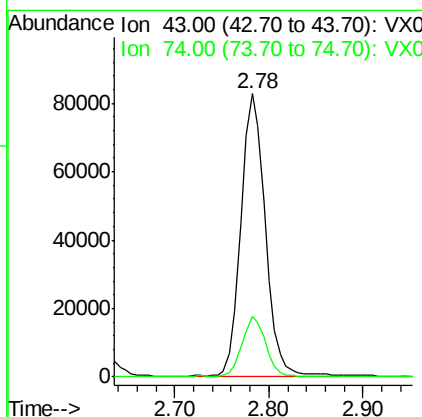
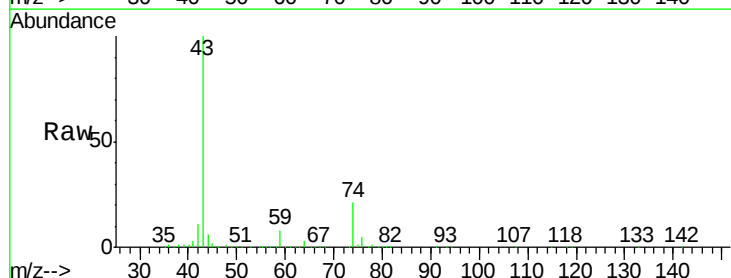
Instrument :
MSVOA_X
ClientSampled :

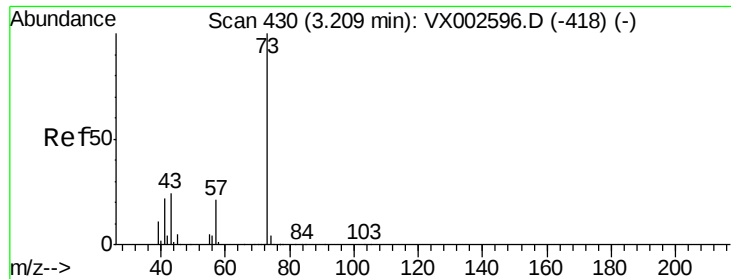
Tot Ion: 76 Resp: 211375
Ion Ratio Lower Upper
76 100
78 8.8 6.9 10.3



#18
Methyl Acetate
Concen: 55.95 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 43 Resp: 149314
Ion Ratio Lower Upper
43 100
74 20.6 16.7 25.1

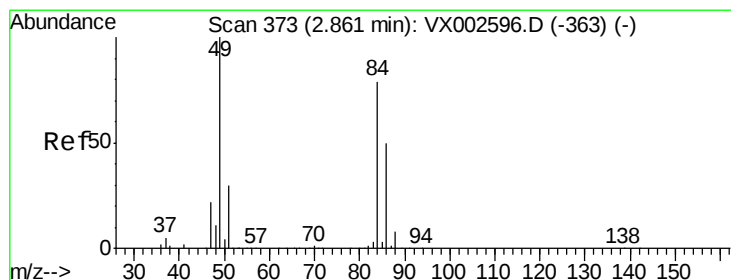
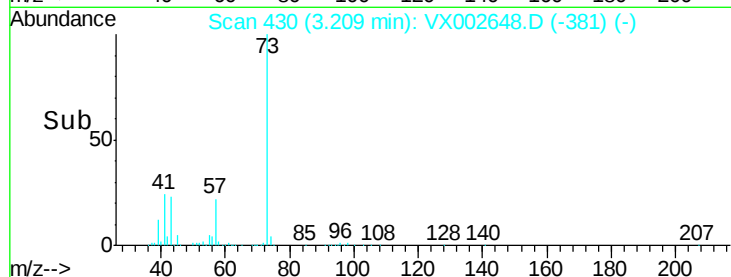
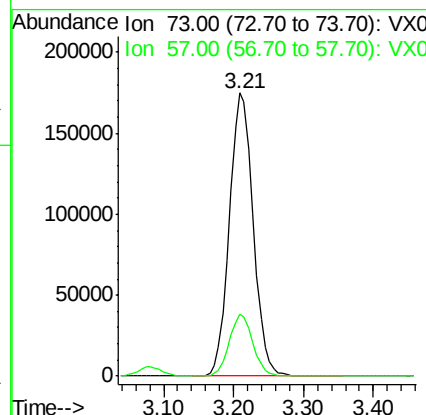
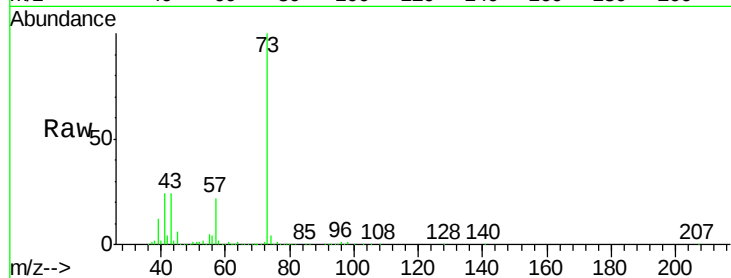




#19
Methvl tert-butvl Ether
Concen: 66.01 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

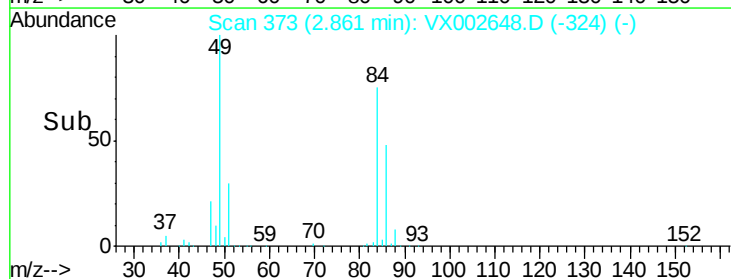
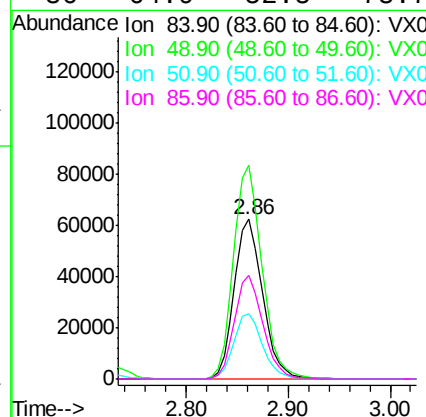
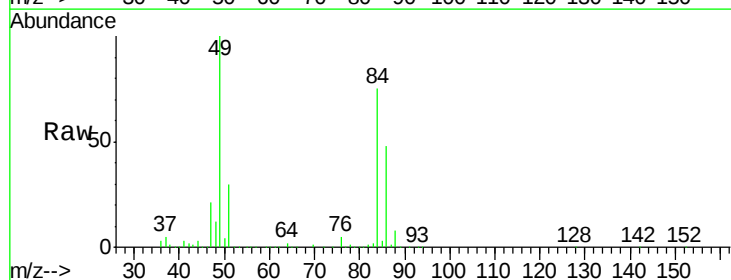
Instrument :
MSVOA_X
ClientSampleId :

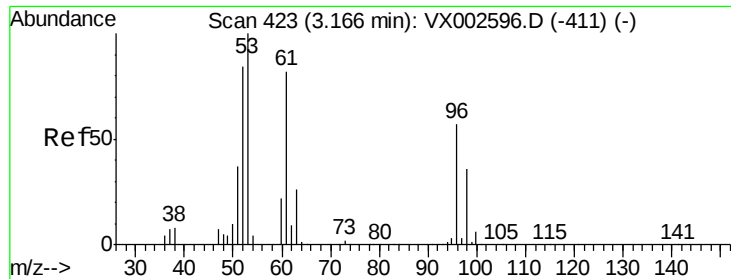
Tot Ion: 73 Resp: 413426
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5



#20
Methylene Chloride
Concen: 58.72 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 84 Resp: 120615
Ion Ratio Lower Upper
84 100
49 133.8 107.8 161.6
51 40.7 32.8 49.2
86 64.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 57.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

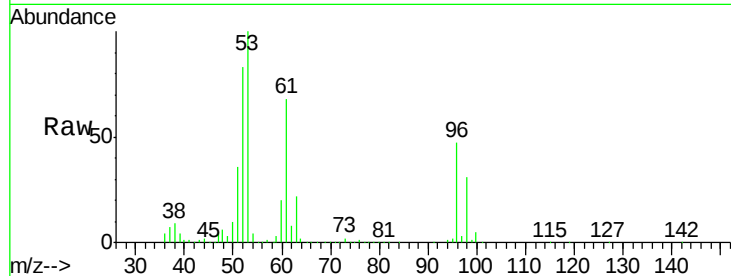
Tot Ion: 96 Resp: 103876

Ion Ratio Lower Upper

96 100

61 144.5 117.0 175.4

98 65.2 52.4 78.6

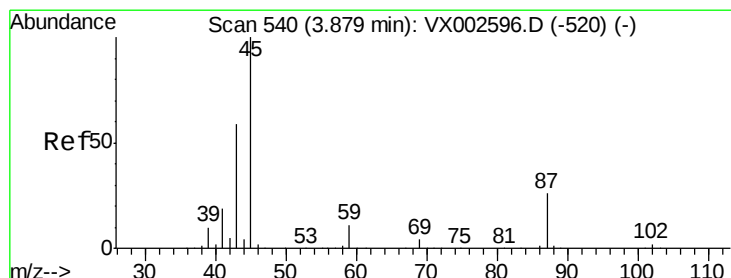
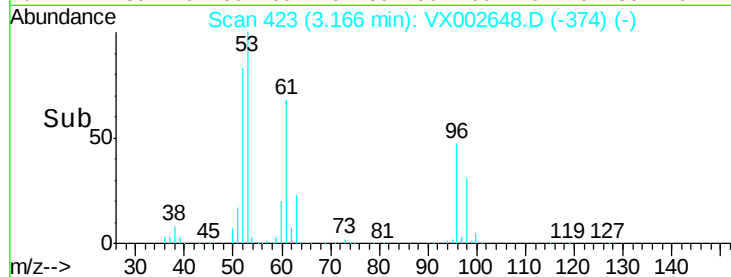
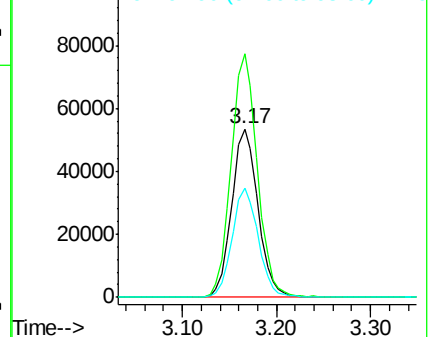


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 63.33 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion: 45 Resp: 379807

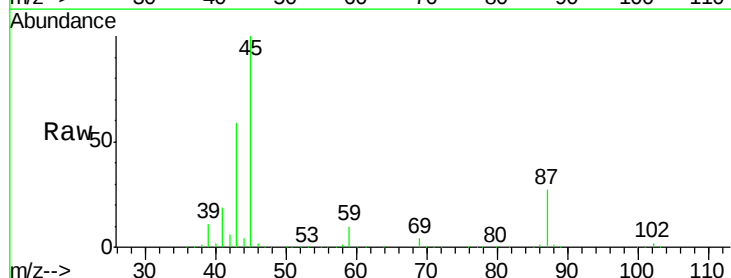
Ion Ratio Lower Upper

45 100

43 59.0 46.8 70.2

87 26.7 20.2 30.4

59 10.5 8.7 13.1



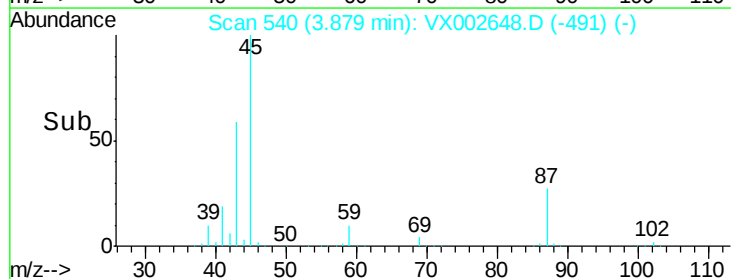
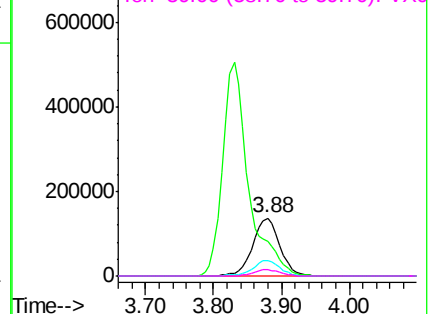
Abundance

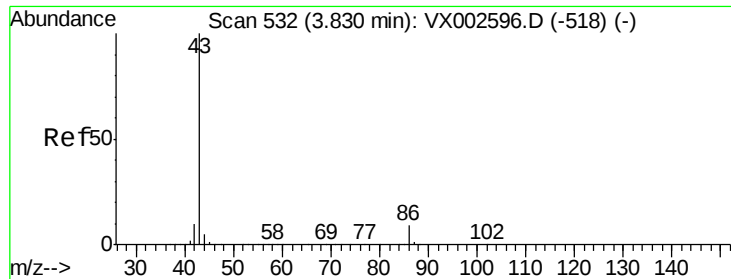
Ion 45.00 (44.70 to 45.70): VX0

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

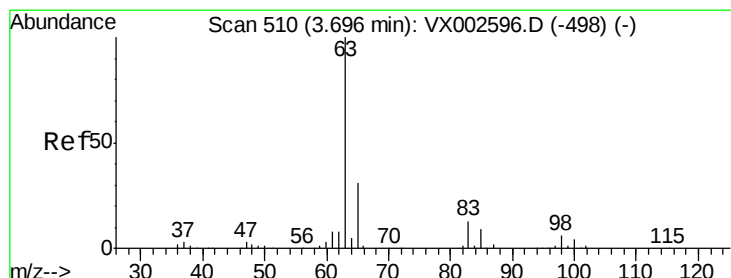
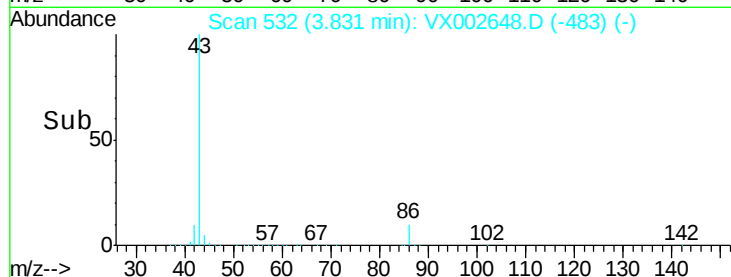
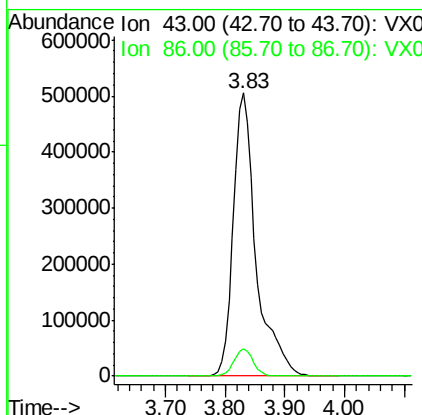
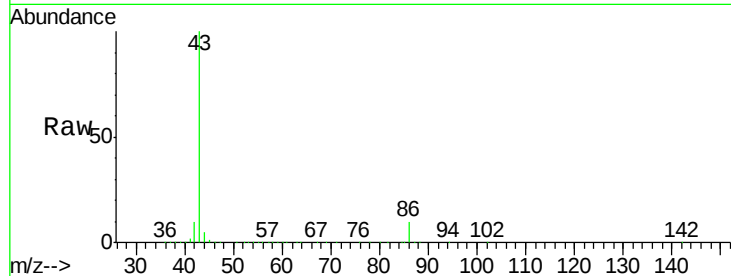




#23
 Vinyl Acetate
 Concen: 267.20 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

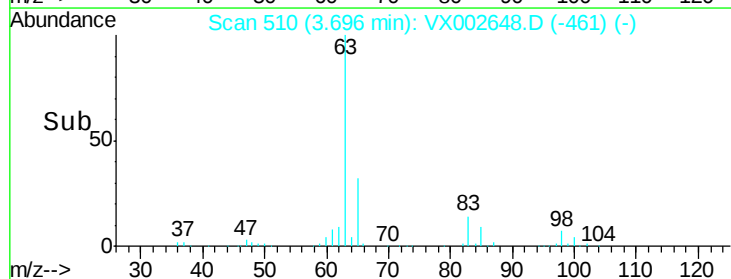
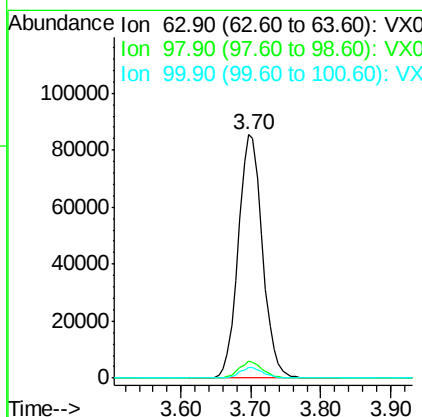
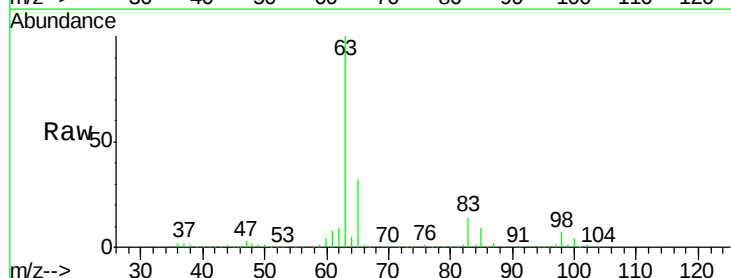
Instrument :
 MSVOA_X
 ClientSampled :

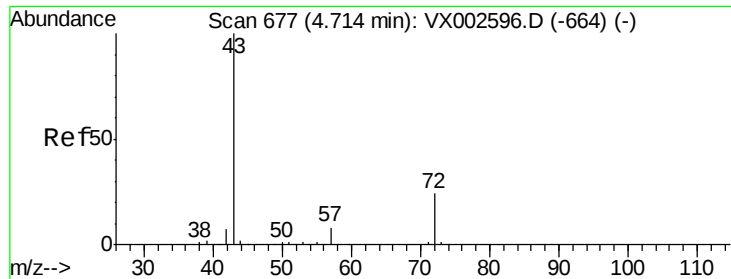
Tot Ion: 43 Resp: 1341271
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 62.85 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion: 63 Resp: 204583
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 321.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

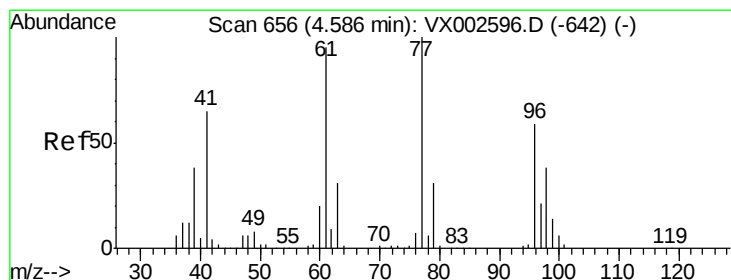
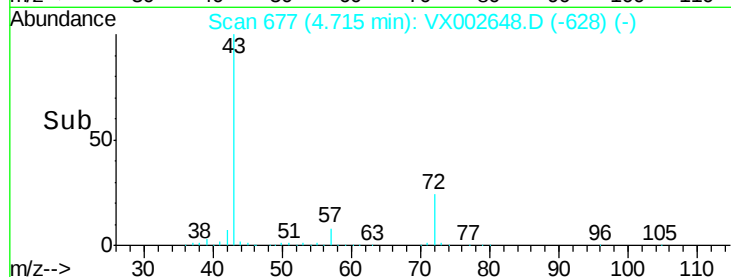
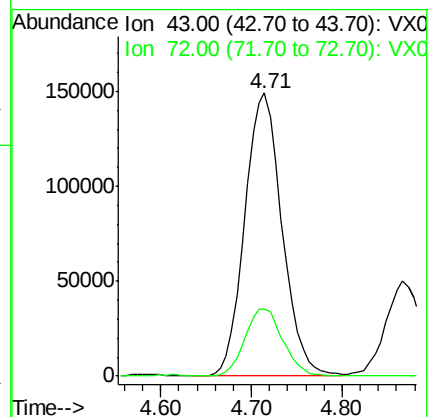
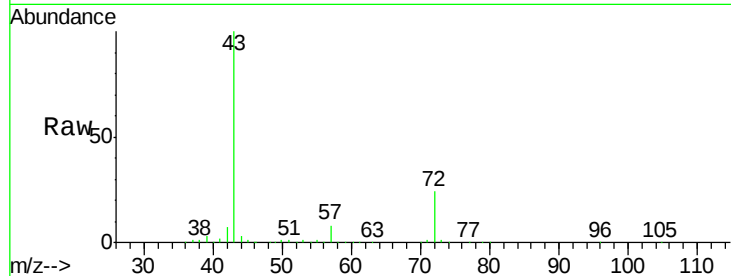
ClientSampleId :

Tot Ion: 43 Resp: 422698

Ion Ratio Lower Upper

43 100

72 23.6 18.5 27.7



#26

2,2-Dichloropropane

Concen: 29.85 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002648.D

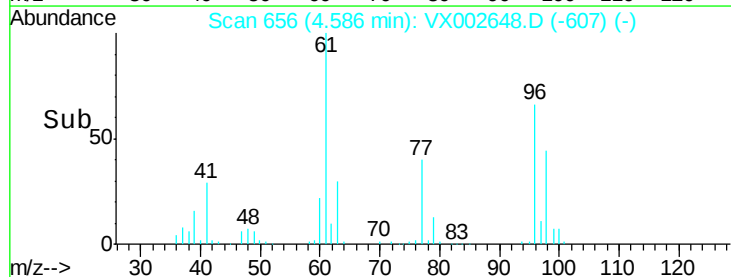
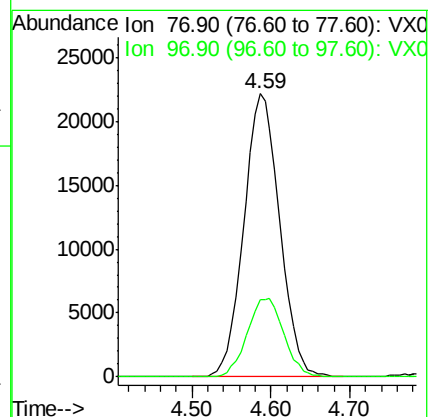
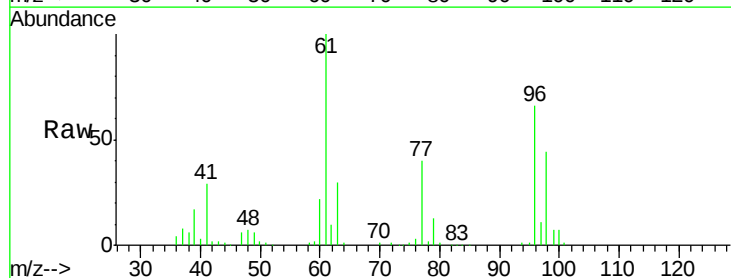
Acq: 16 Jun 2018 15:08

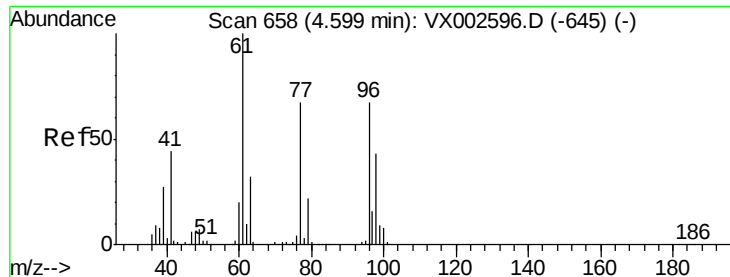
Tgt Ion: 77 Resp: 69819

Ion Ratio Lower Upper

77 100

97 28.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 82.71 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :

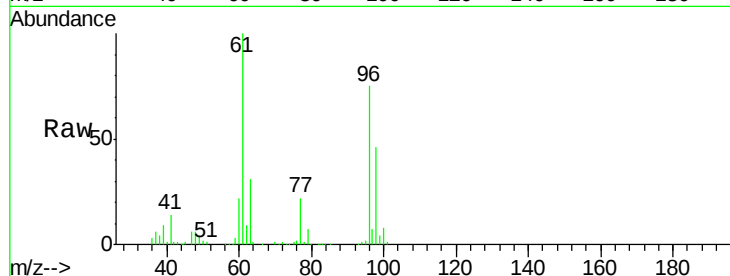
Tot Ion: 96 Resp: 152433

Ion Ratio Lower Upper

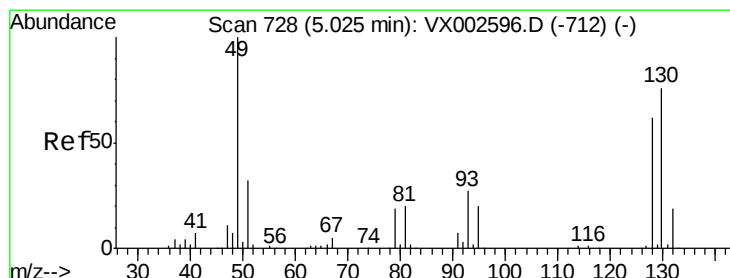
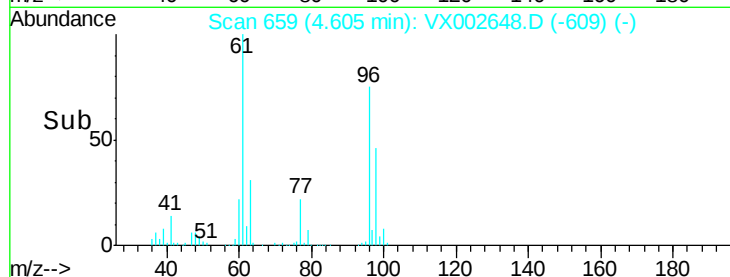
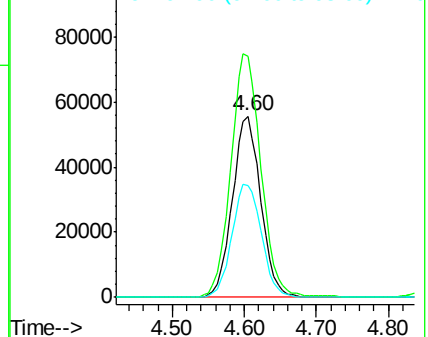
96 100

61 142.7 0.0 330.2

98 64.9 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: 69.63 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

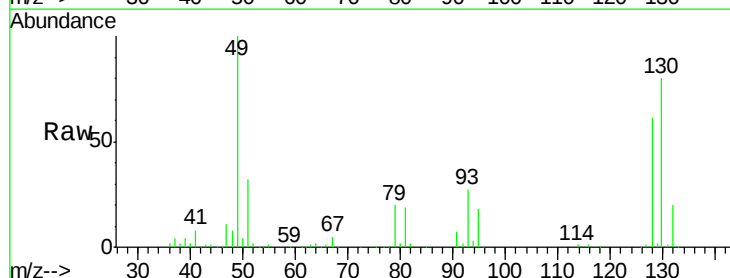
Tgt Ion: 49 Resp: 106143

Ion Ratio Lower Upper

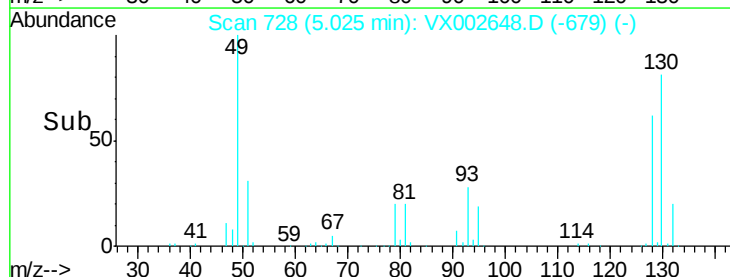
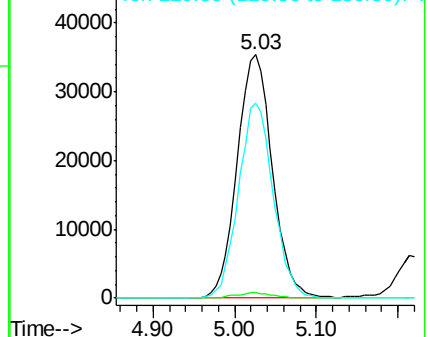
49 100

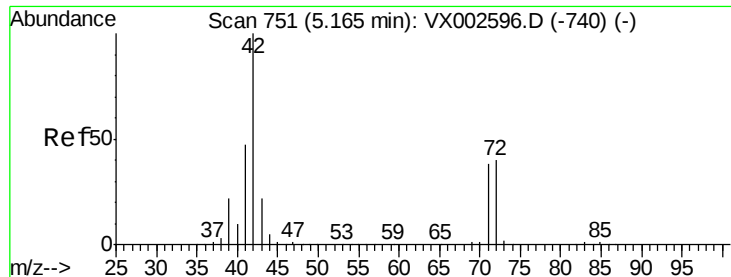
129 2.3 0.0 4.2

130 78.9 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: 327.96 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

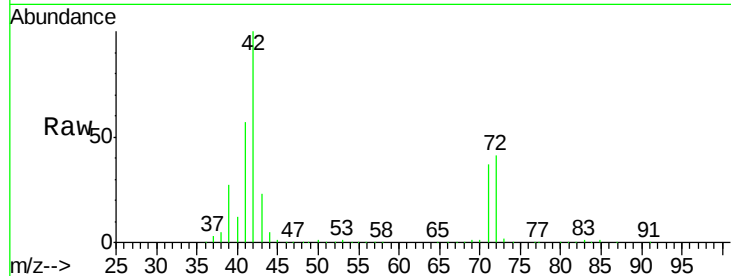
Tot Ion: 42 Resp: 282773

Ion Ratio Lower Upper

42 100

72 41.6 32.0 48.0

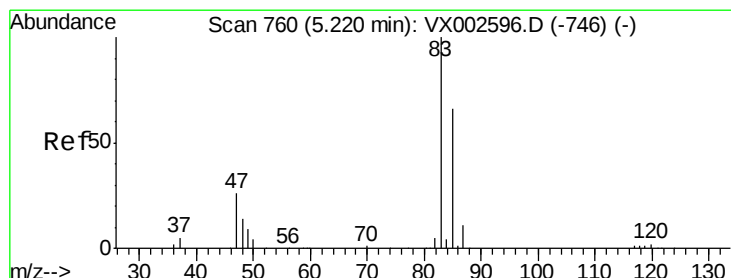
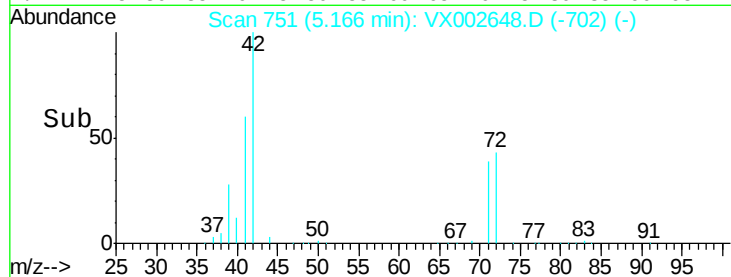
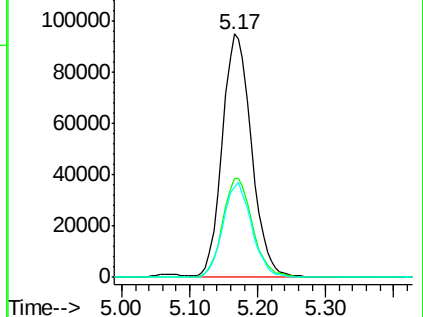
71 38.3 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 65.46 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002648.D

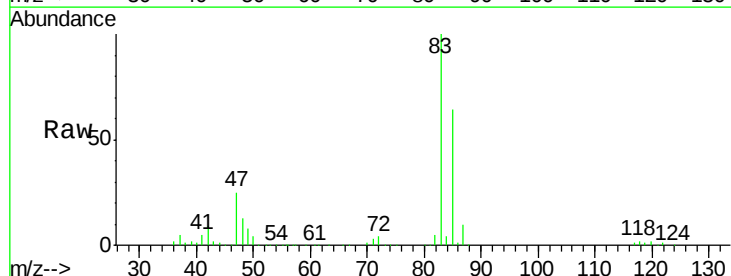
Acq: 16 Jun 2018 15:08

Tgt Ion: 83 Resp: 205476

Ion Ratio Lower Upper

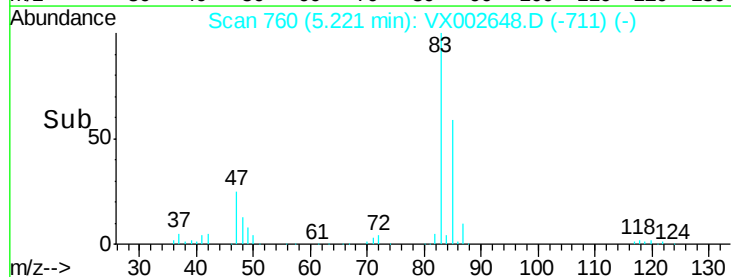
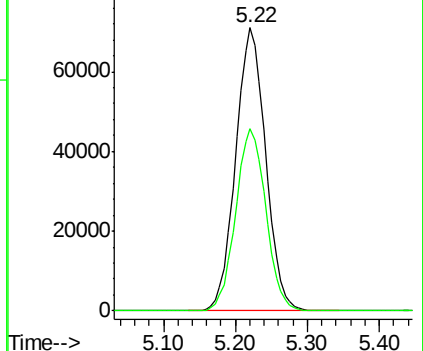
83 100

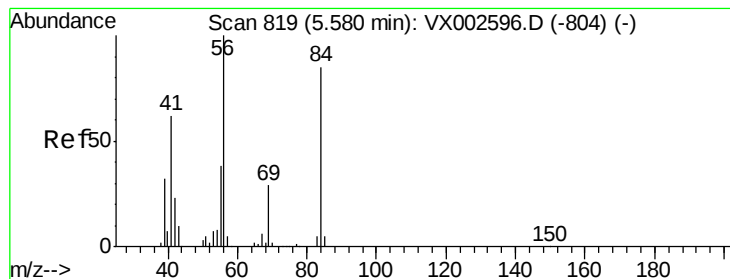
85 64.4 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 32.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

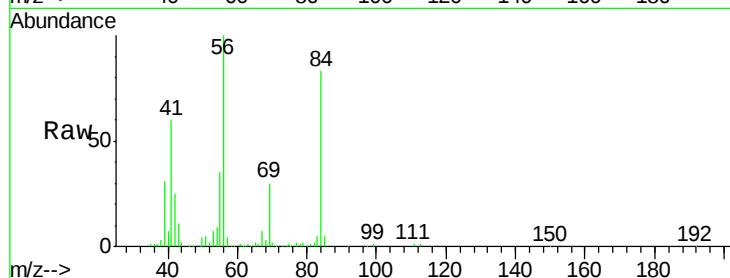
Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 88225

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	80.9	64.1	96.1

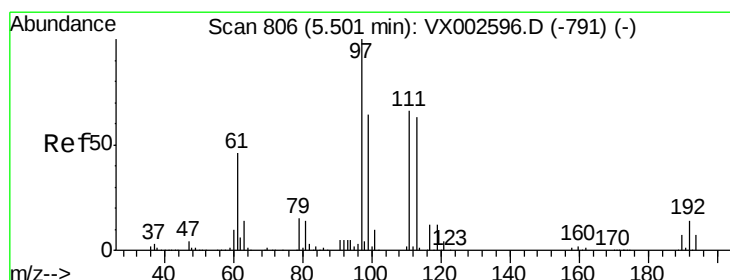
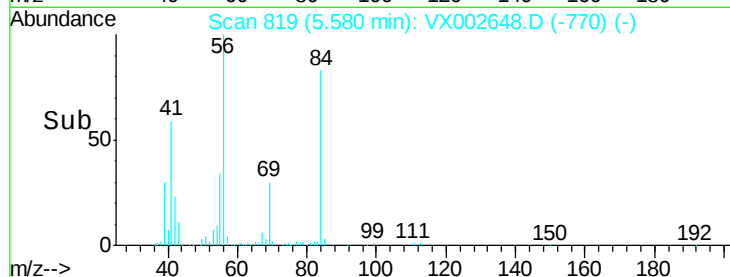
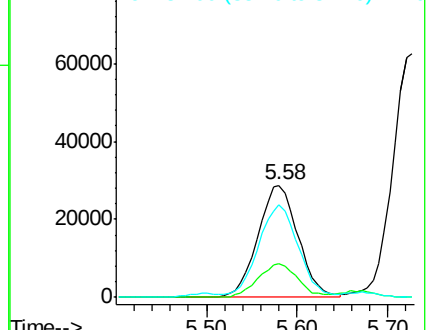


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 56.55 ug/l

RT: 5.50 min Scan# 806

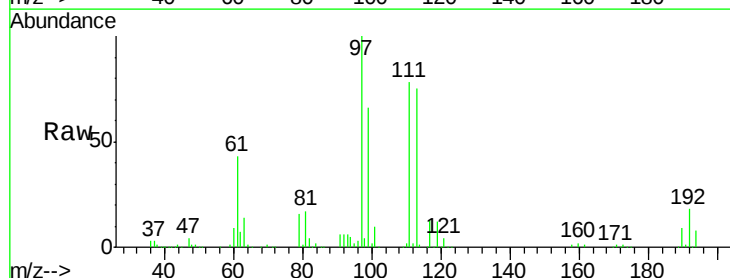
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion: 97 Resp: 148454

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.6	77.4
61	45.6	36.4	54.6

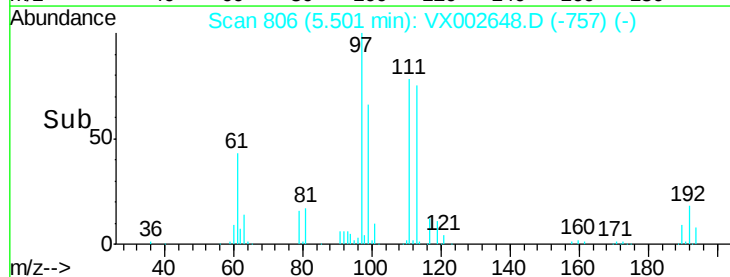
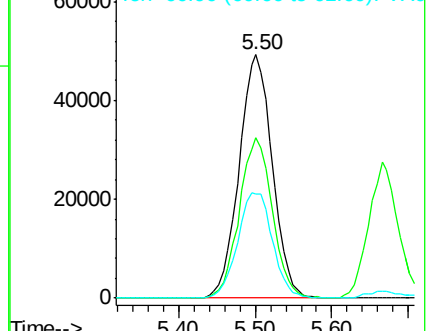


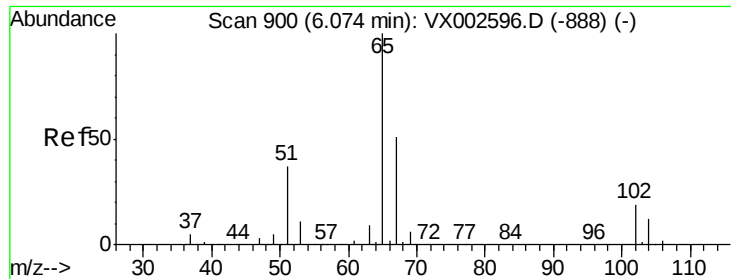
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 64.87 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

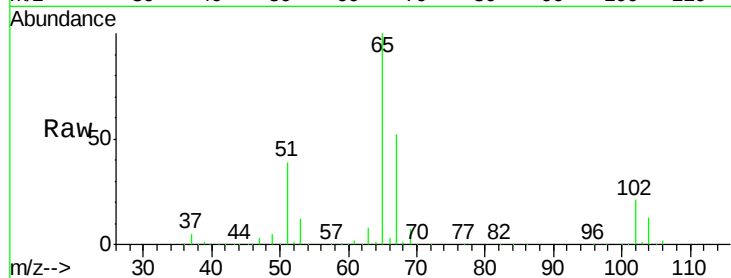
ClientSampleId :

Tot Ion: 65 Resp: 147291

Ion Ratio Lower Upper

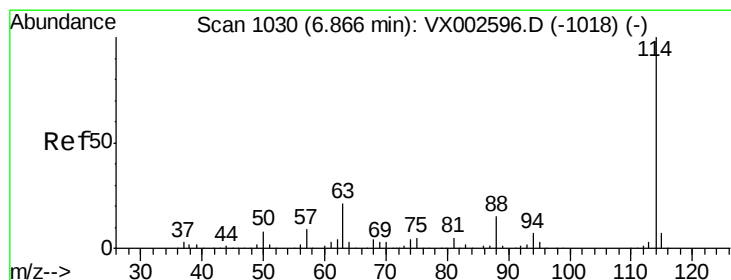
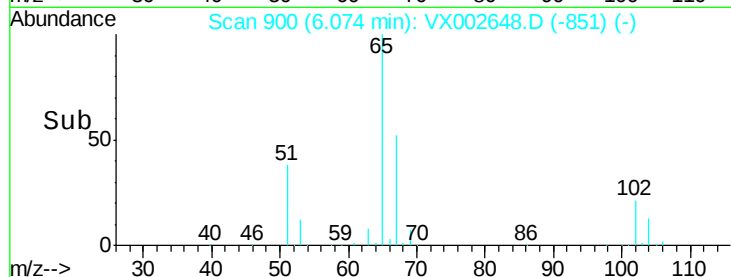
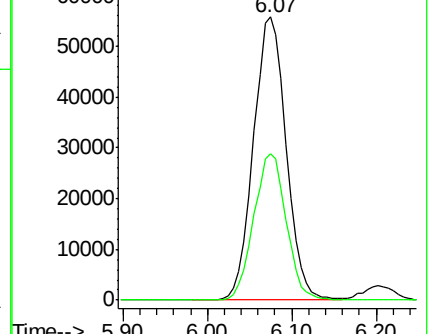
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

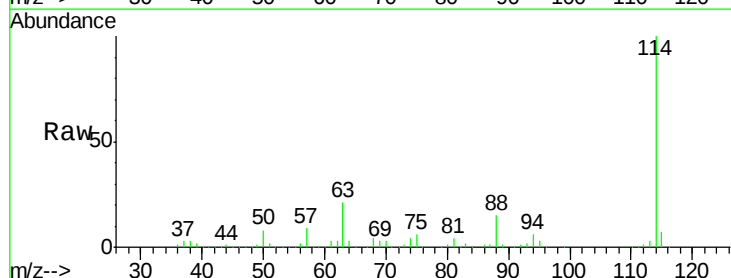
Tgt Ion: 114 Resp: 265630

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

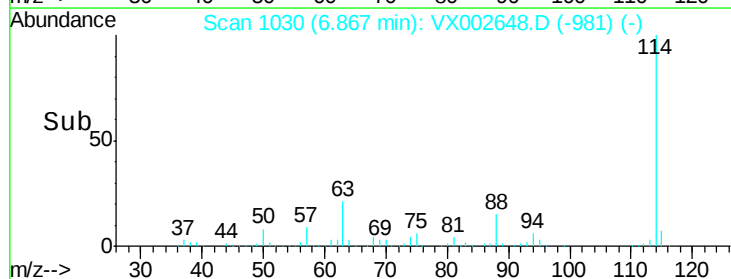
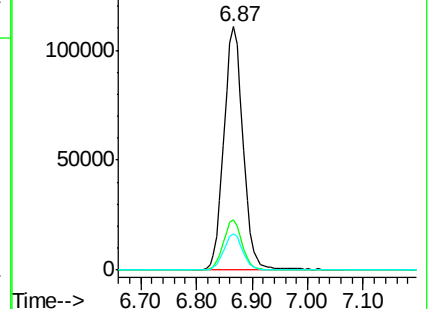
88 14.8 0.0 30.0

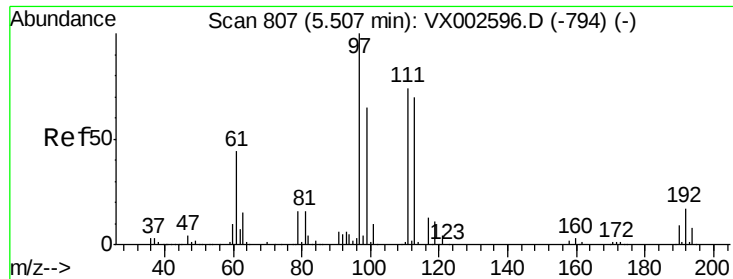


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

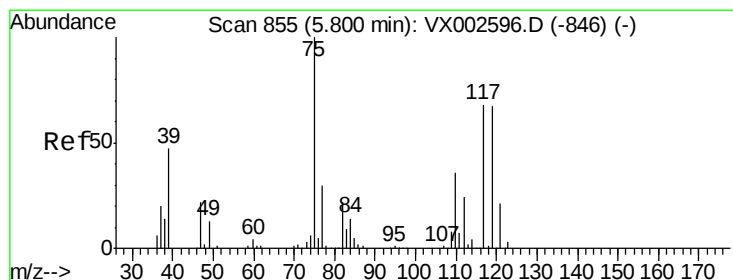
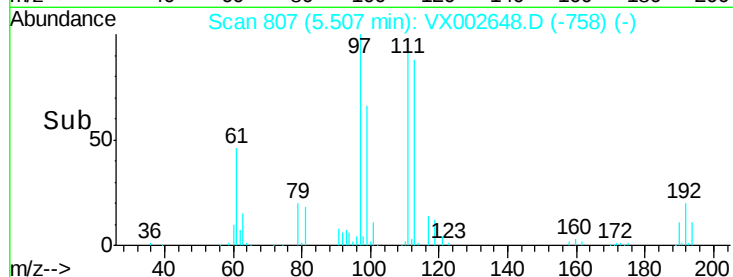
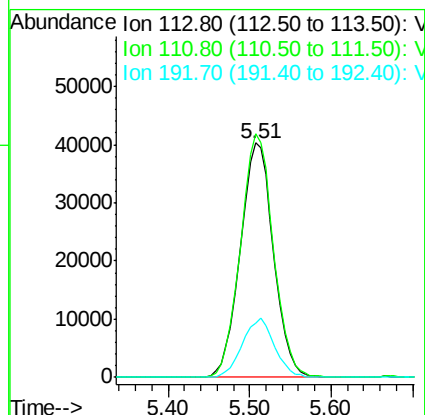
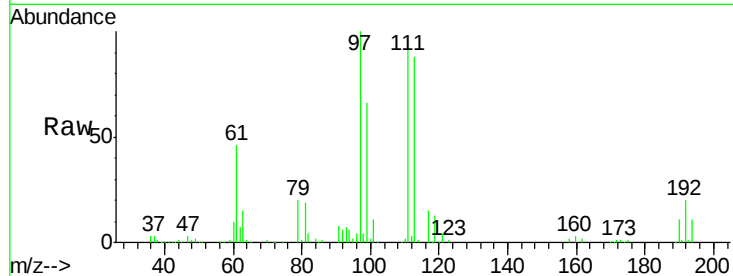




#35
Dibromofluoromethane
Concen: 53.55 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

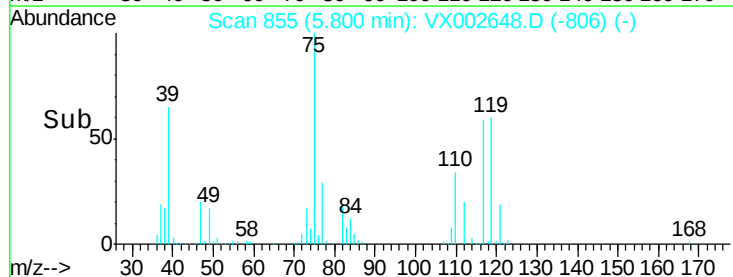
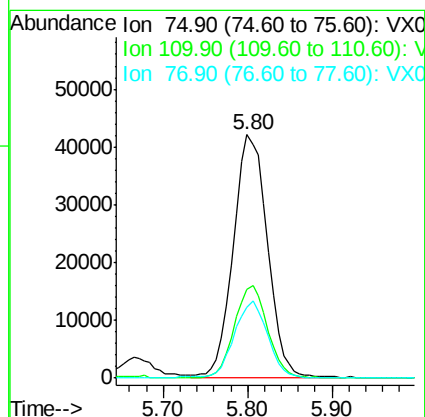
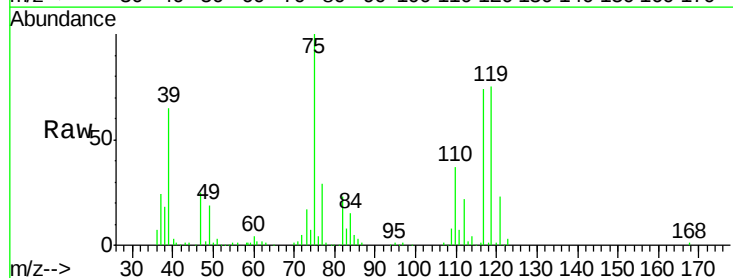
Instrument :
MSVOA_X
ClientSampleId :

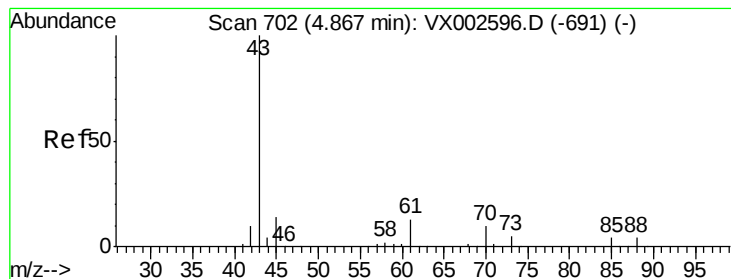
Tot Ion:113 Resp: 113519
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 24.5 19.1 28.7



#36
1,1-Dichloropropene
Concen: 40.59 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 75 Resp: 114517
Ion Ratio Lower Upper
75 100
110 37.2 18.1 54.4
77 31.8 24.3 36.5





#37

Ethyl Acetate

Concen: 45.06 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

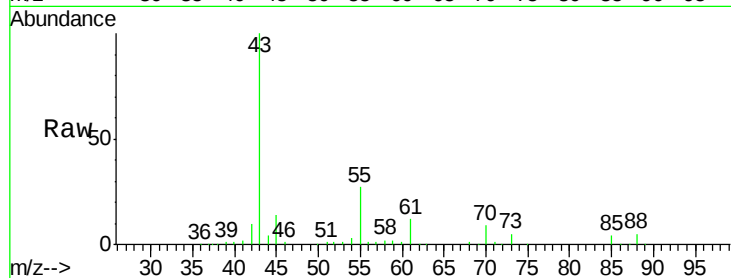
Tot Ion: 43 Resp: 143896

Ion Ratio Lower Upper

43 100

61 13.4 10.4 15.6

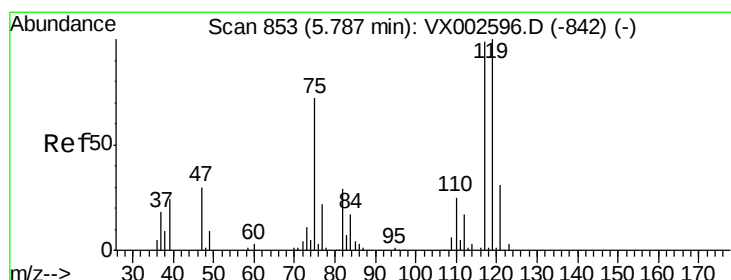
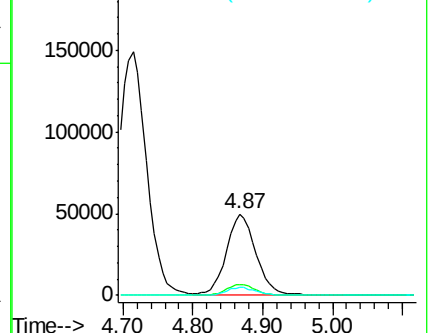
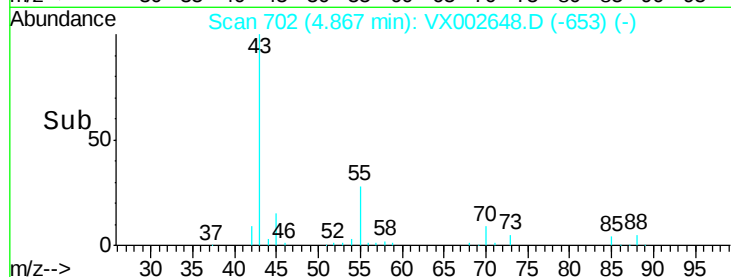
70 9.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX002648.D (-653) (-)

Ion 60.90 (60.60 to 61.60): VX002648.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX002648.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 41.44 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

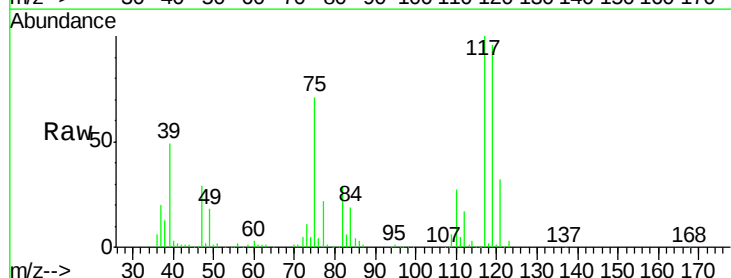
Tgt Ion: 117 Resp: 116415

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.0

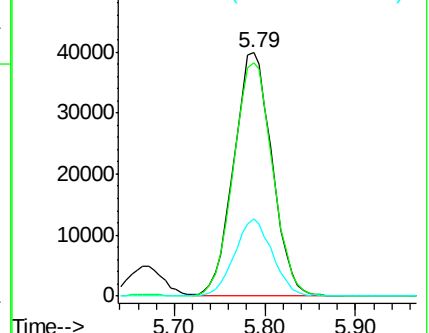
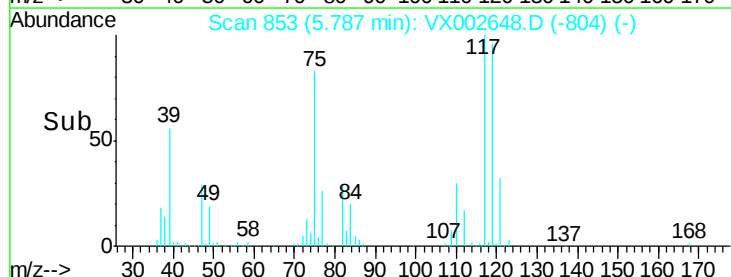
121 31.7 24.4 36.6

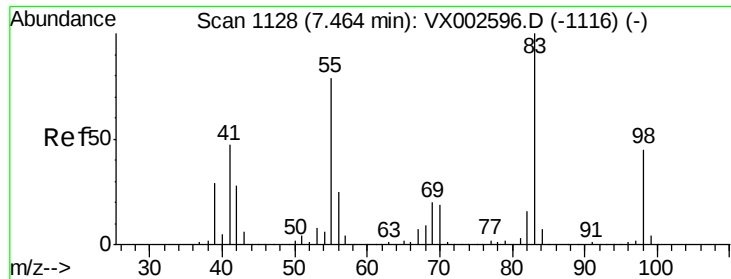


Abundance Ion 116.80 (116.50 to 117.50): VX002648.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX002648.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX002648.D (-804) (-)

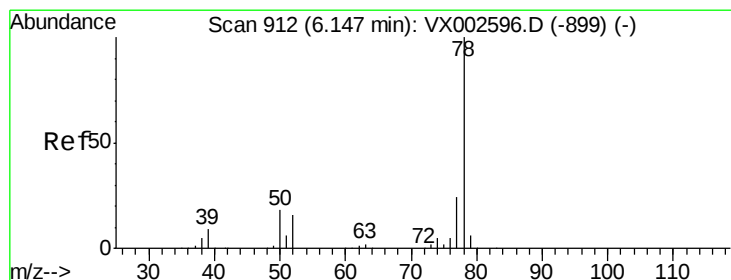
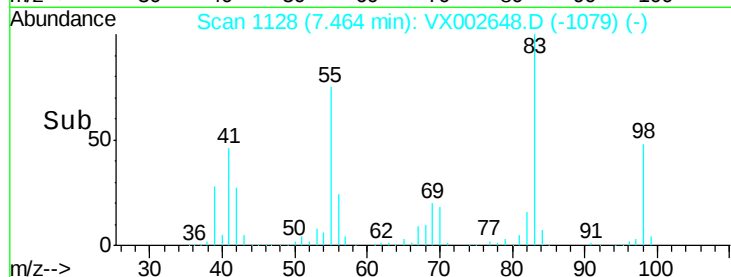
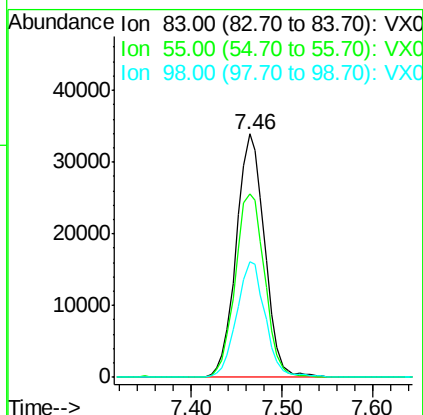
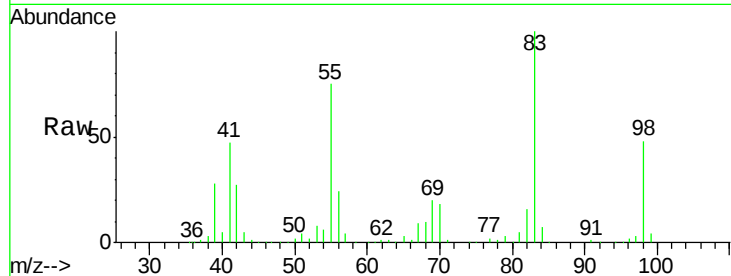




#39
Methvlcvclohexane
Concen: 22.38 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

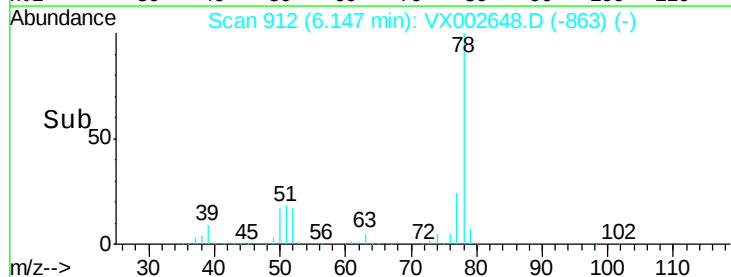
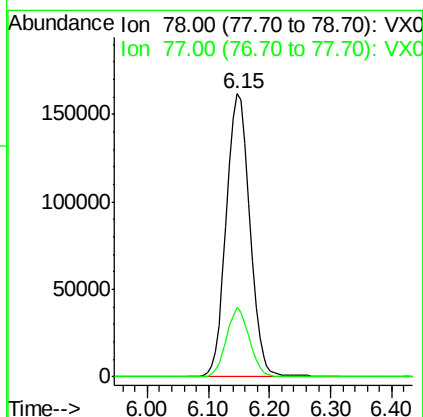
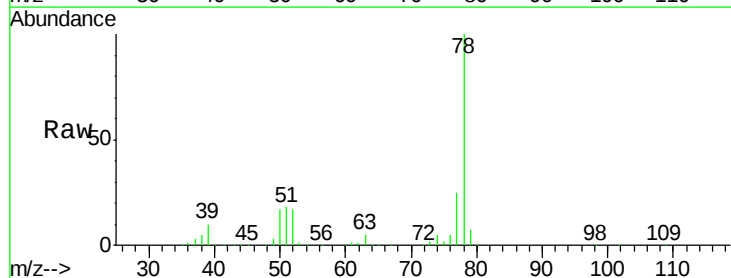
Instrument :
MSVOA_X
ClientSampleId :

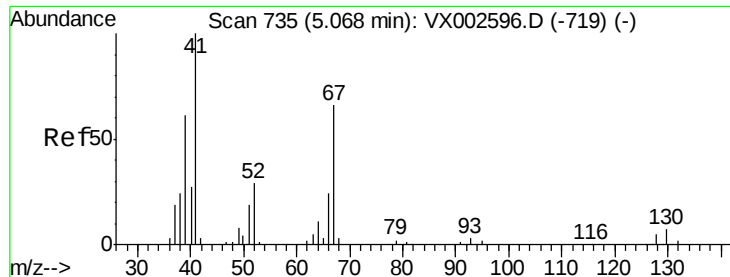
Tot Ion: 83 Resp: 73807
Ion Ratio Lower Upper
83 100
55 75.0 65.4 98.0
98 47.7 37.4 56.0



#40
Benzene
Concen: 51.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 78 Resp: 431520
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

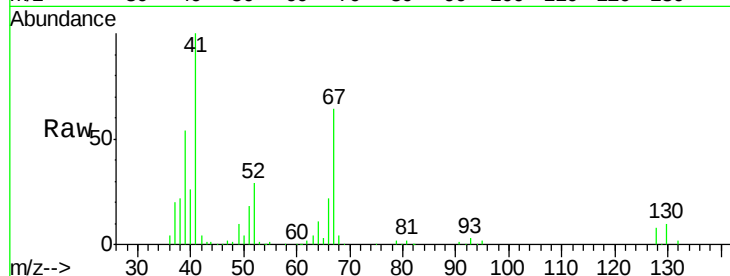




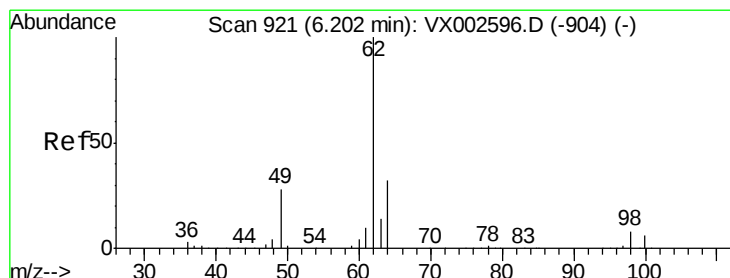
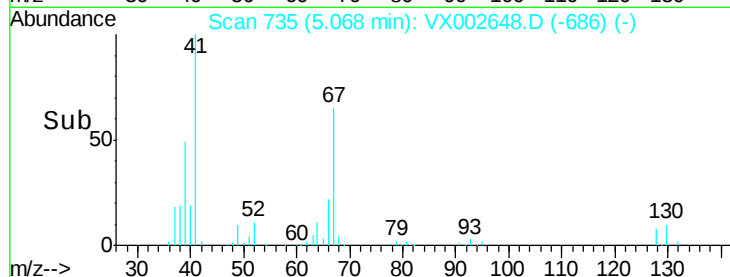
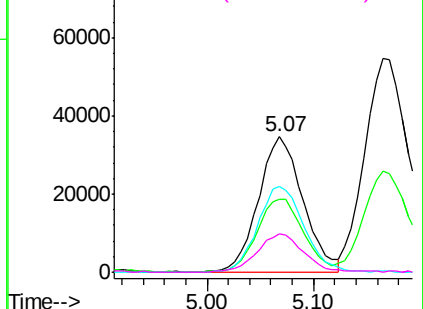
#41
Methacrylonitrile
Concen: 55.51 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	100080
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.8	68.6
67	66.4	51.3	76.9
52	29.9	23.0	34.6

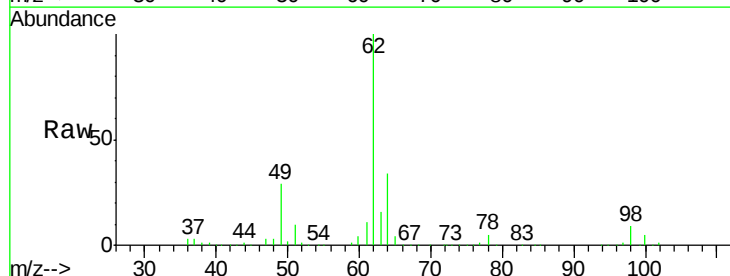


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

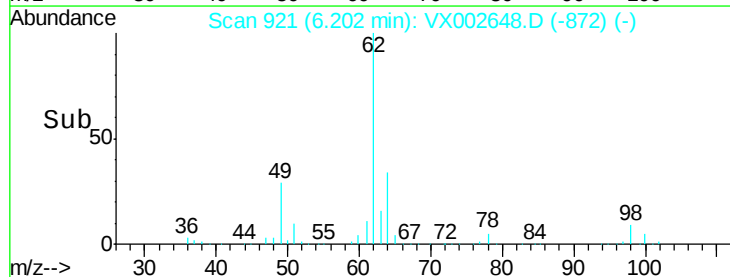
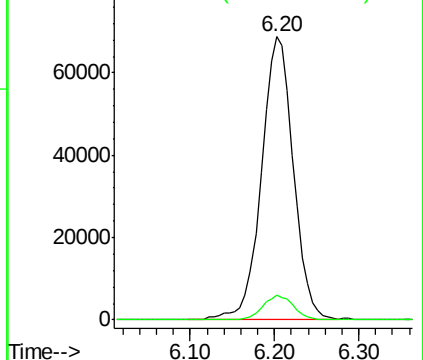


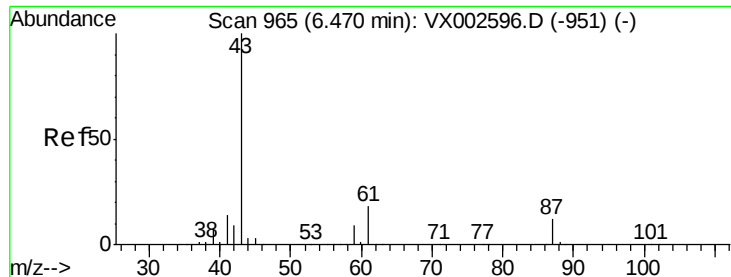
#42
1,2-Dichloroethane
Concen: 54.60 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion:	62	Resp:	178812
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



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



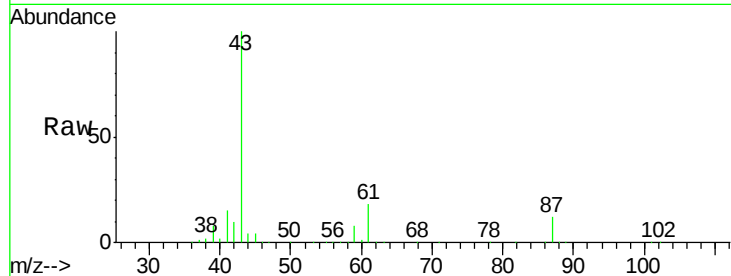


#43

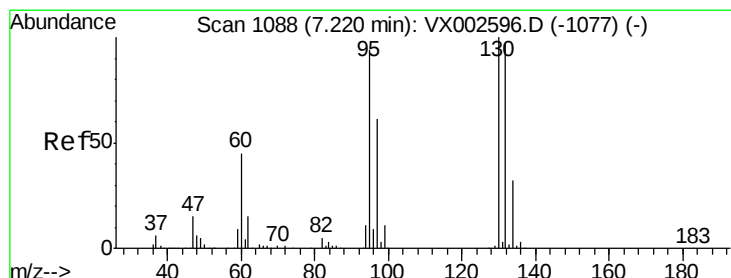
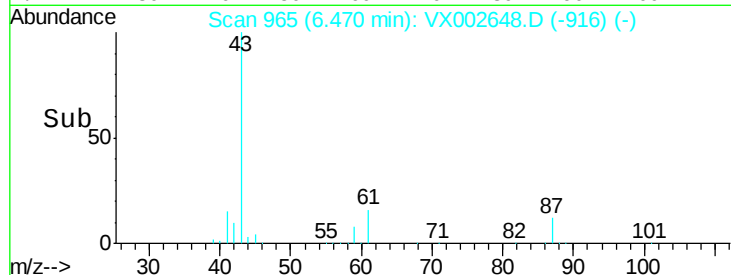
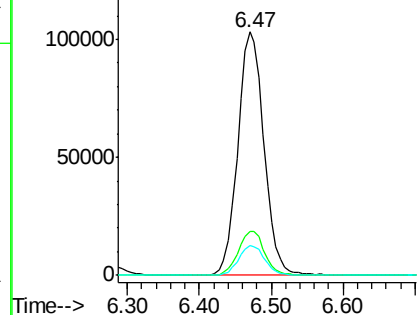
Isopropyl Acetate
 Concen: 48.90 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	43	Resp	258716
Ion Ratio	Lower	Upper	
43	100		
61	18.1	14.4	21.6
87	12.3	9.5	14.3



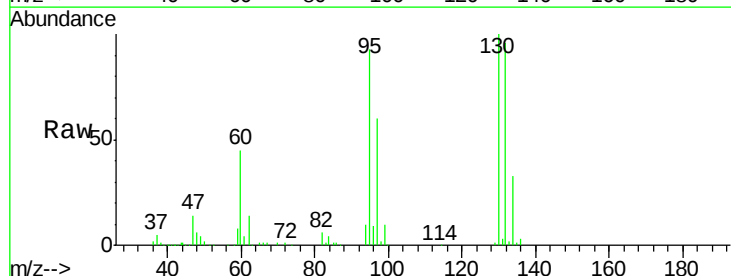
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



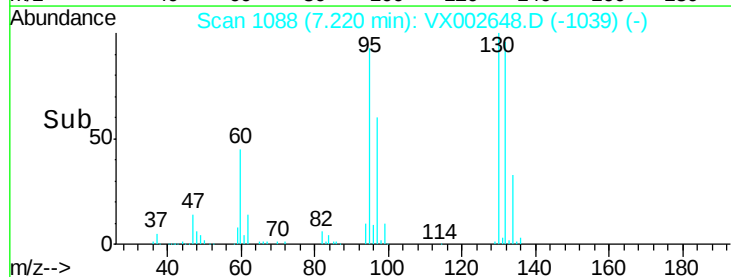
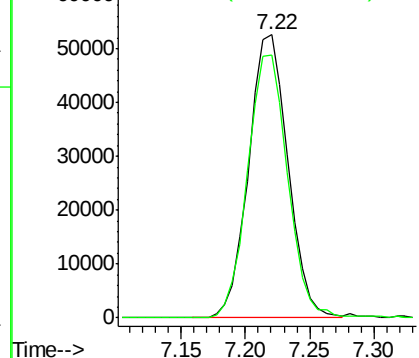
#44

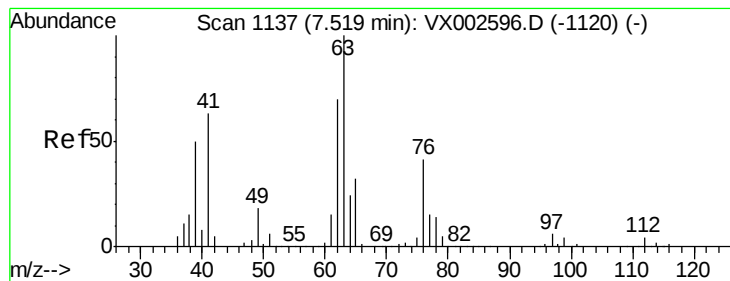
Trichloroethene
 Concen: 45.43 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	130	Resp	110924
Ion Ratio	Lower	Upper	
130	100		
95	93.0	0.0	185.4



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





#45

1,2-Dichloropropane

Concen: 53.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

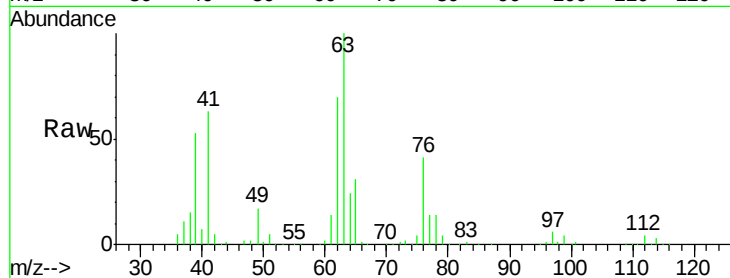
ClientSampleId :

Tot Ion: 63 Resp: 118584

Ion Ratio Lower Upper

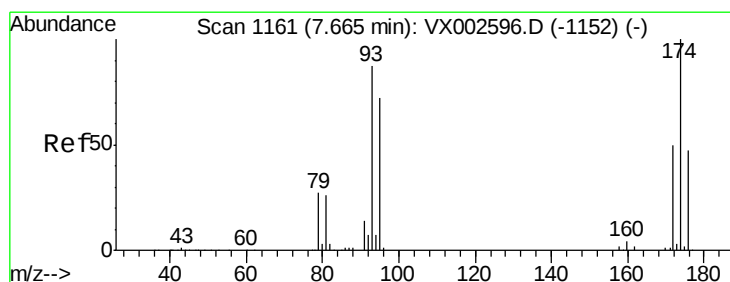
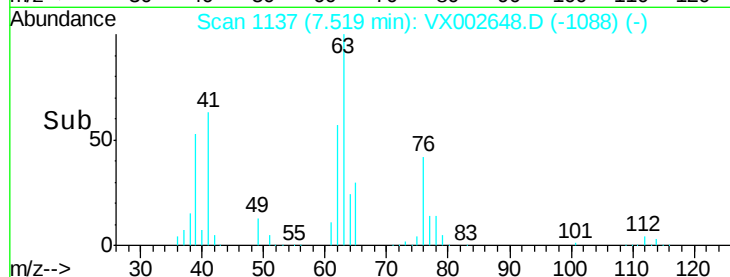
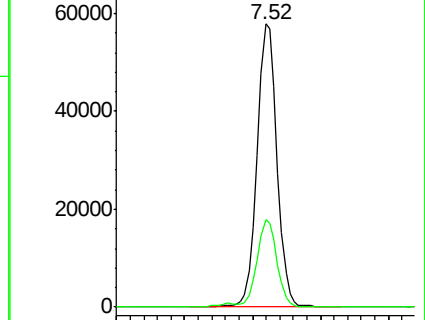
63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 56.61 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

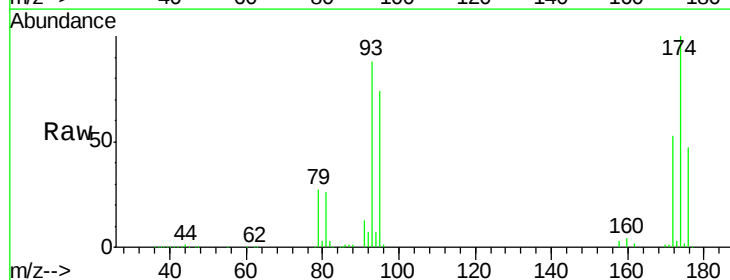
Tgt Ion: 93 Resp: 84312

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

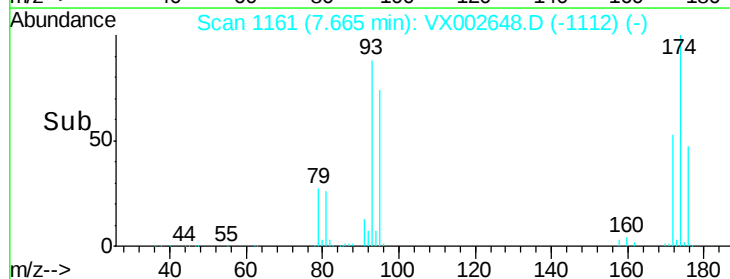
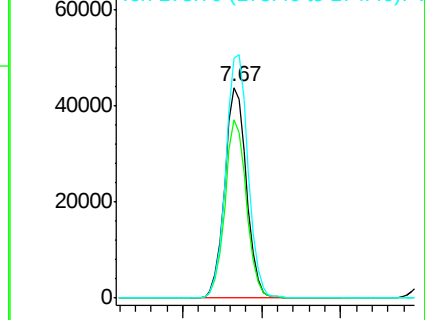
174 118.1 92.4 138.6

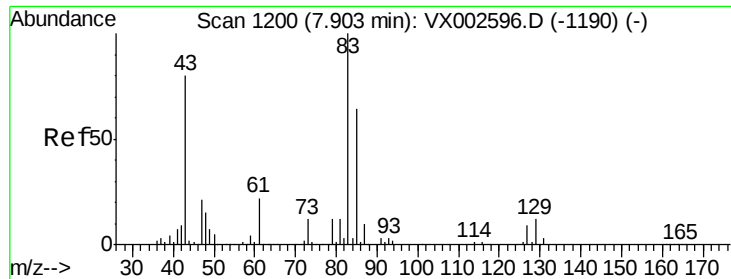


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 57.55 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

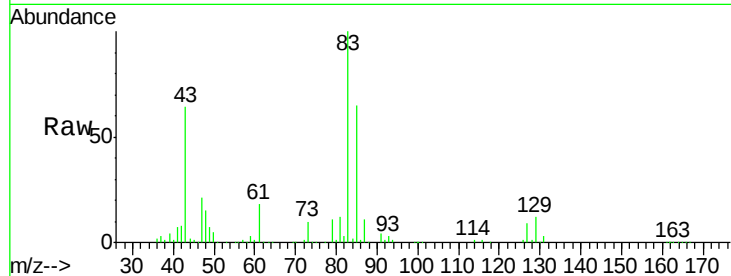
Tot Ion: 83 Resp: 151171

Ion Ratio Lower Upper

83 100

85 65.0 50.3 75.5

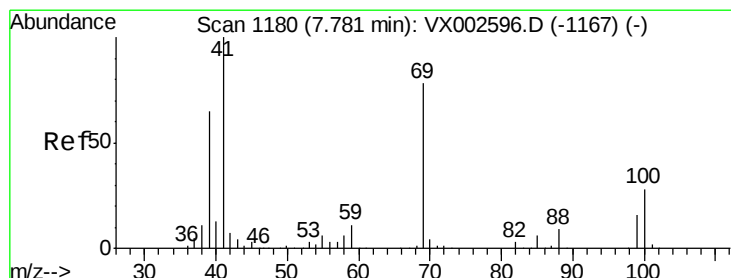
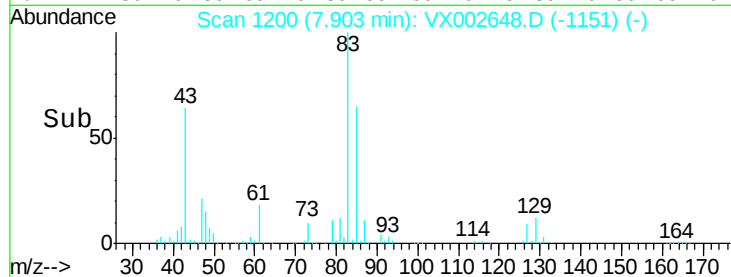
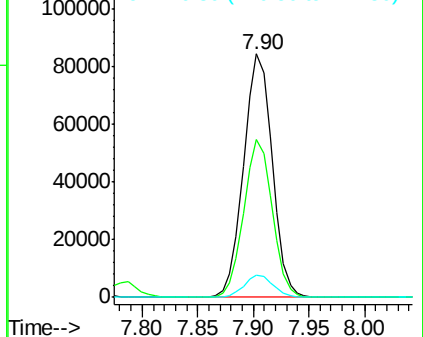
127 9.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.27 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

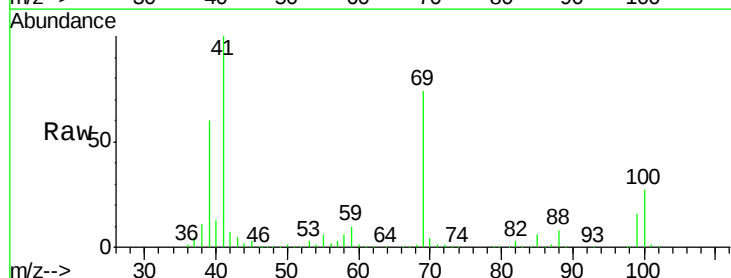
Tgt Ion: 41 Resp: 149424

Ion Ratio Lower Upper

41 100

69 75.6 59.1 88.7

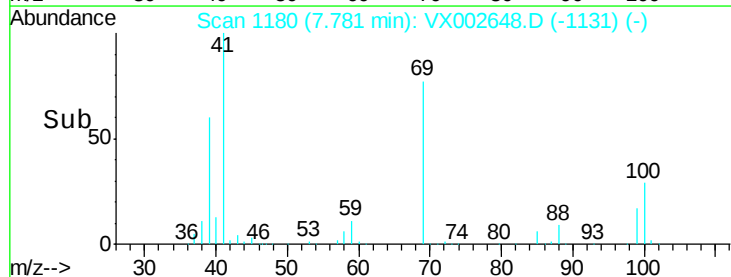
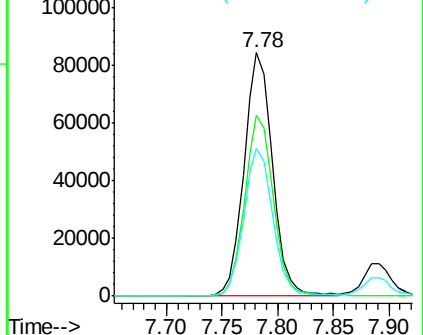
39 61.8 48.9 73.3

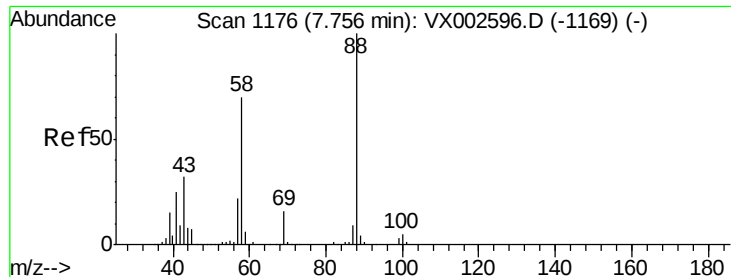


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 931.72 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :

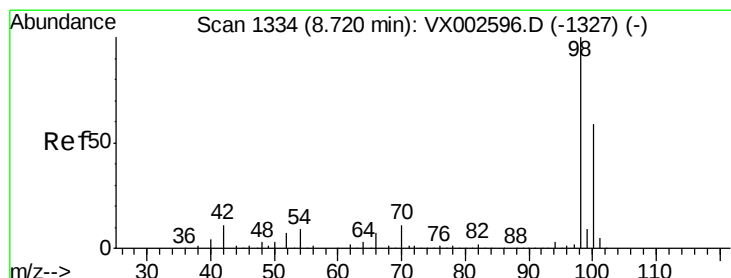
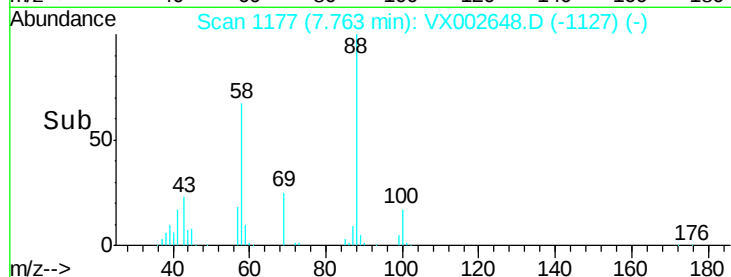
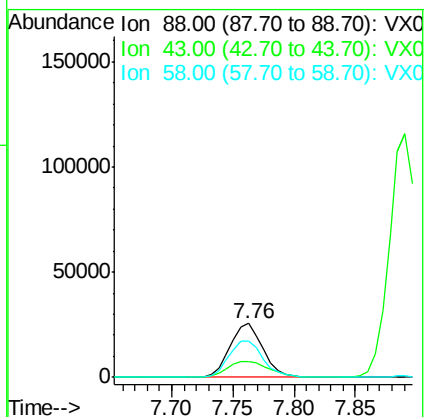
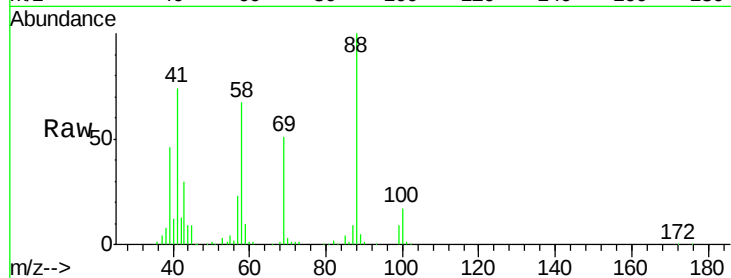
Tot Ion: 88 Resp: 47702

Ion Ratio Lower Upper

88 100

43 36.9 29.8 44.6

58 71.6 57.1 85.7



#50

Toluene-d8

Concen: 49.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002648.D

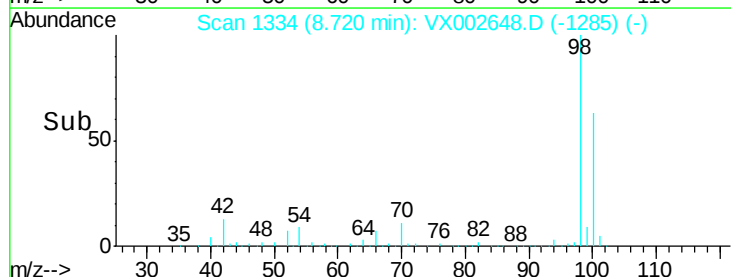
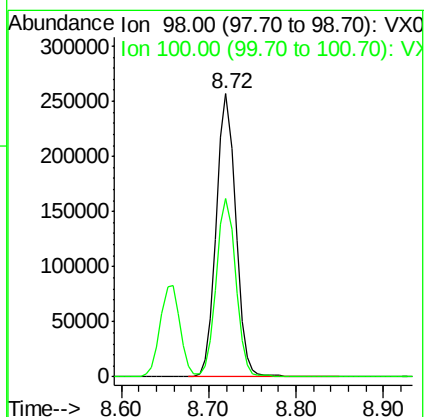
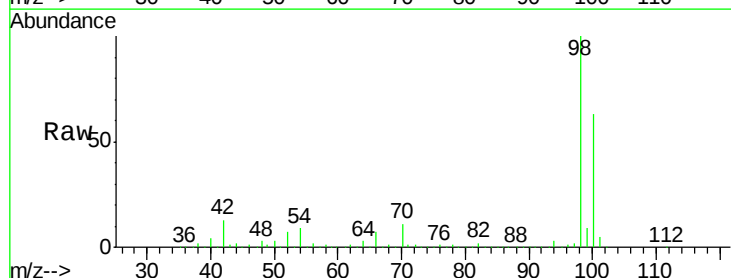
Acq: 16 Jun 2018 15:08

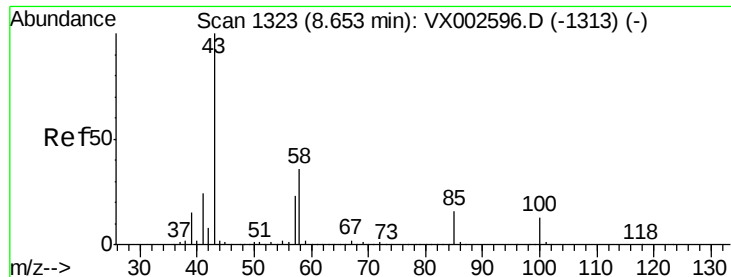
Tgt Ion: 98 Resp: 396823

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 273.24 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

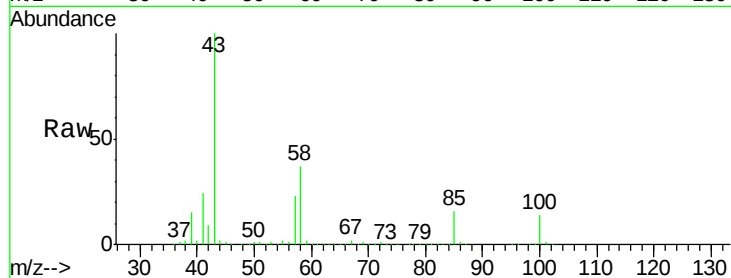
ClientSampleId :

Tot Ion: 43 Resp: 928171

Ion Ratio Lower Upper

43 100

58 36.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

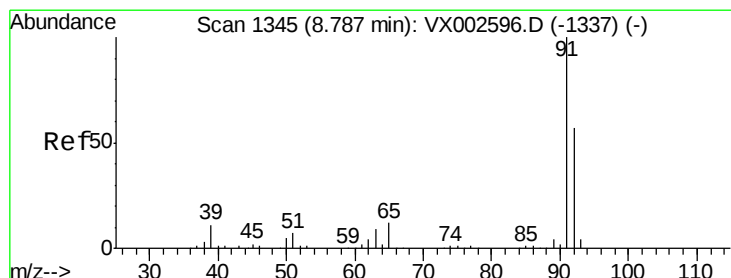
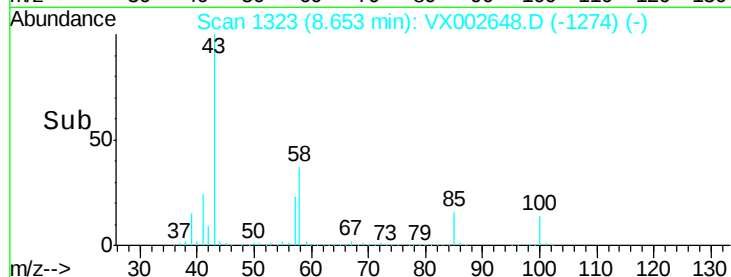
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.53 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002648.D

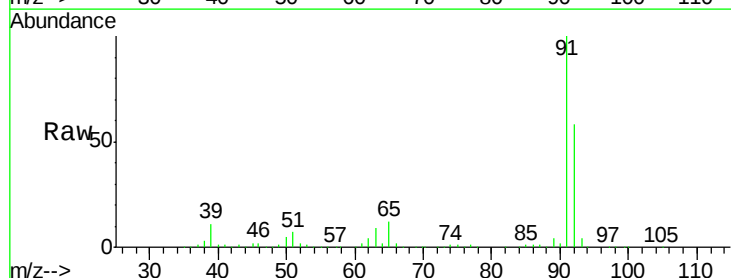
Acq: 16 Jun 2018 15:08

Tgt Ion: 92 Resp: 272683

Ion Ratio Lower Upper

92 100

91 174.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

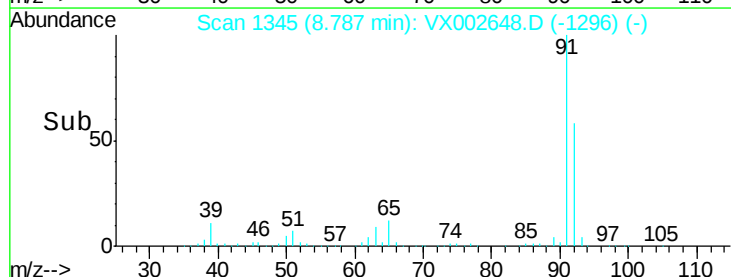
300000

200000

100000

0

Time-->

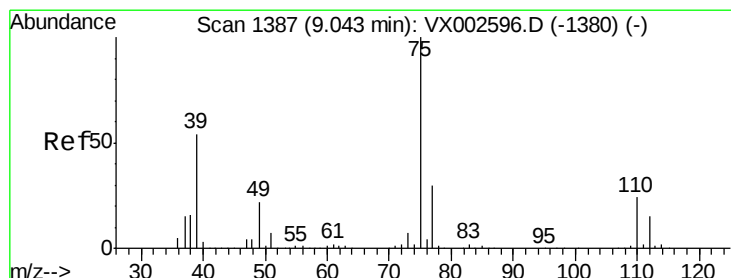
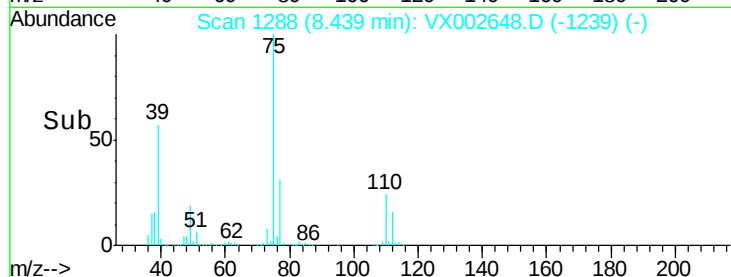
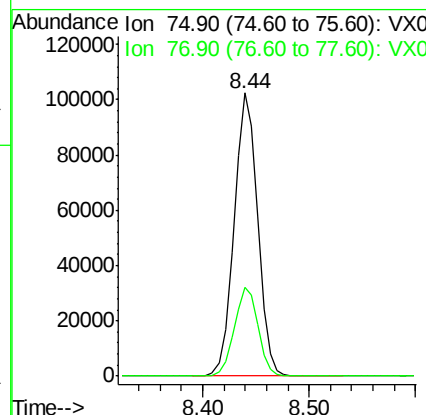
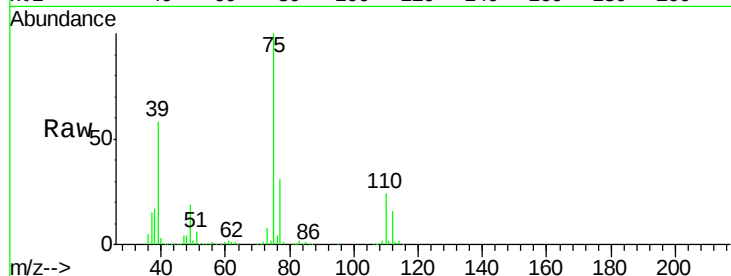




#53
 t-1,3-Dichloropropene
 Concen: 45.90 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

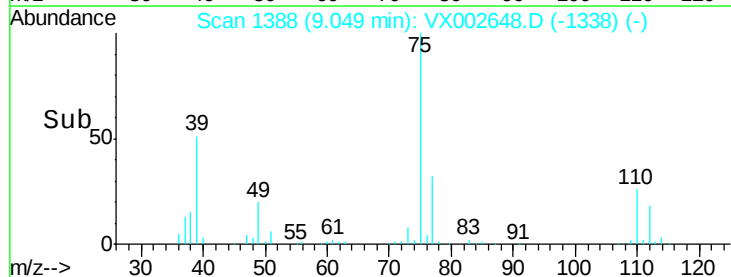
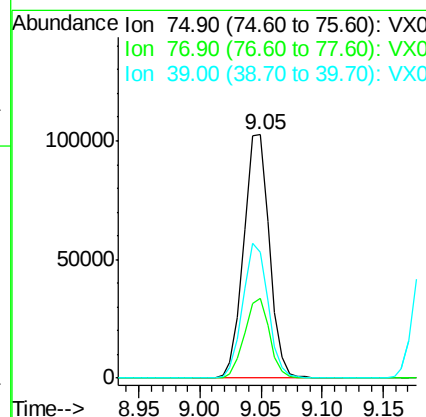
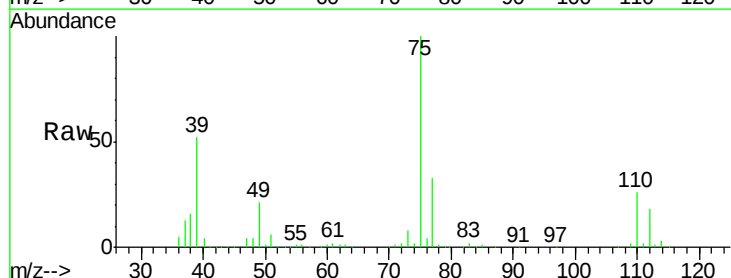
Instrument :
 MSVOA_X
 ClientSampled :

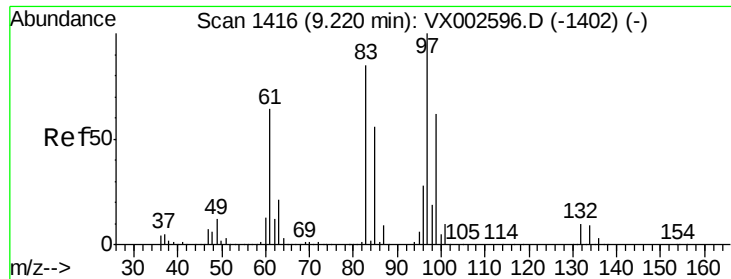
Tot Ion: 75 Resp: 158867
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 45.30 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion: 75 Resp: 149191
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.8 37.2
 39 51.5 42.4 63.6

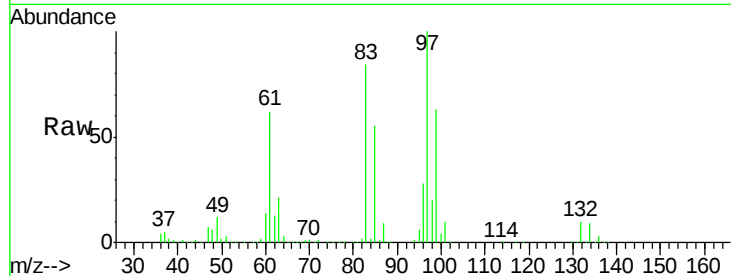




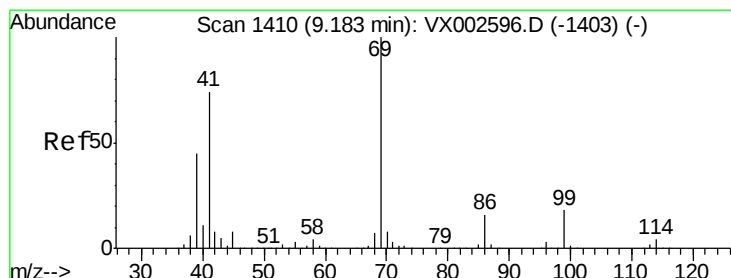
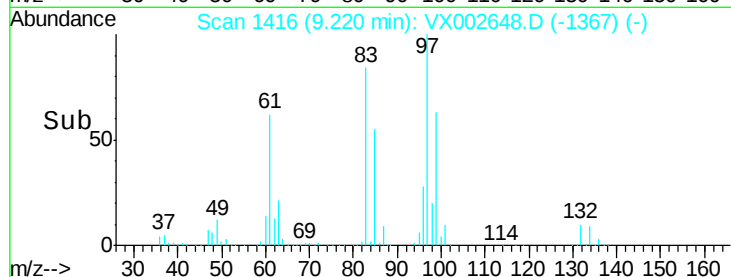
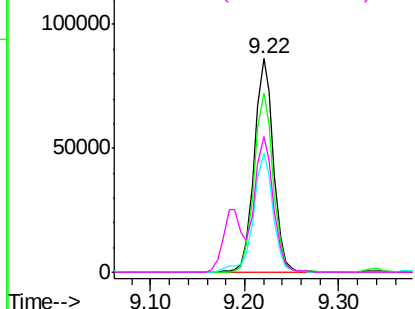
#55
 1,1,2-Trichloroethane
 Concen: 57.11 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	124520
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.2	105.2
85	55.5	44.9	67.3
99	63.5	49.8	74.8

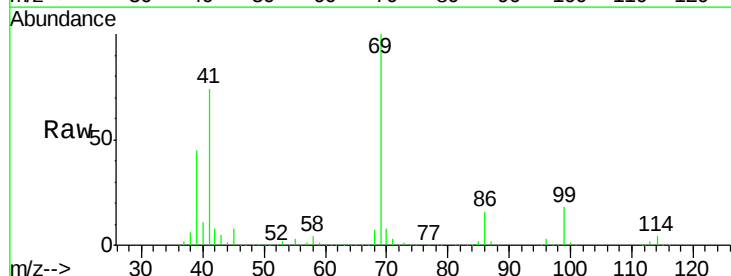


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

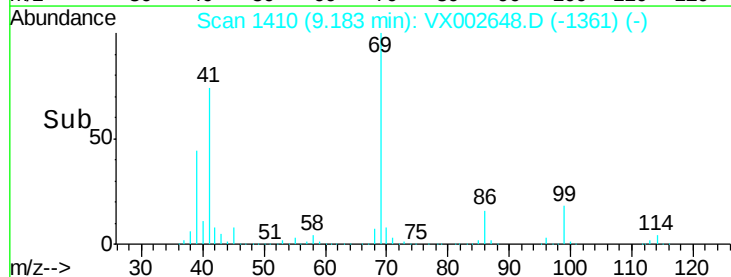
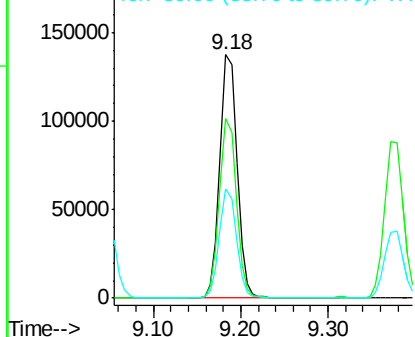


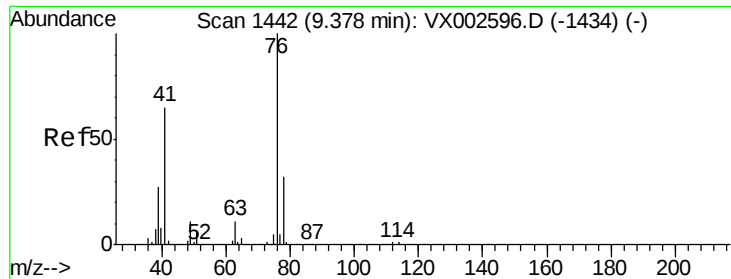
#56
 Ethyl methacrylate
 Concen: 56.26 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion:	69	Resp:	188779
Ion	Ratio	Lower	Upper
69	100		
41	72.3	60.3	90.5
39	43.9	35.8	53.8



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





#57

1,3-Dichloropropane

Concen: 54.76 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

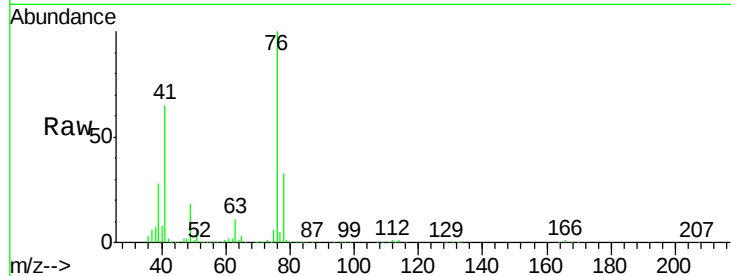
ClientSampled :

Tot Ion: 76 Resp: 201938

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

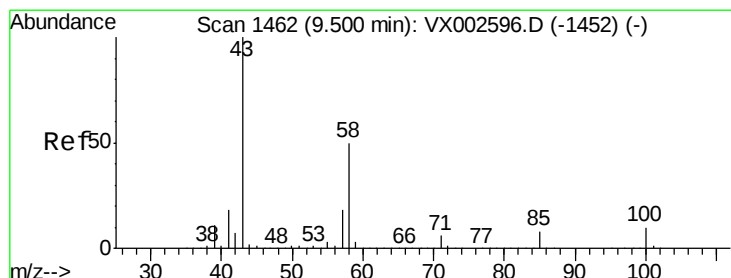
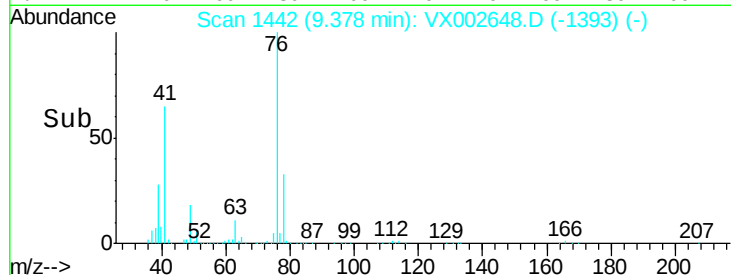
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 273.89 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002648.D

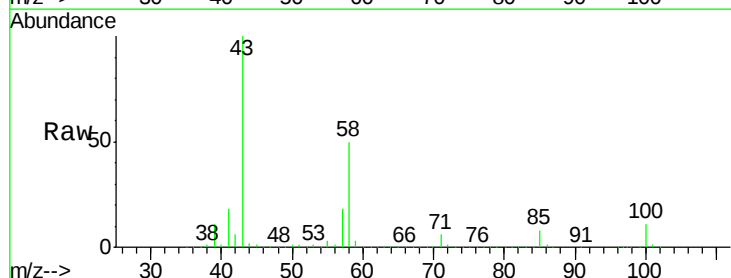
Acq: 16 Jun 2018 15:08

Tgt Ion: 43 Resp: 701057

Ion Ratio Lower Upper

43 100

58 50.5 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

500000

400000

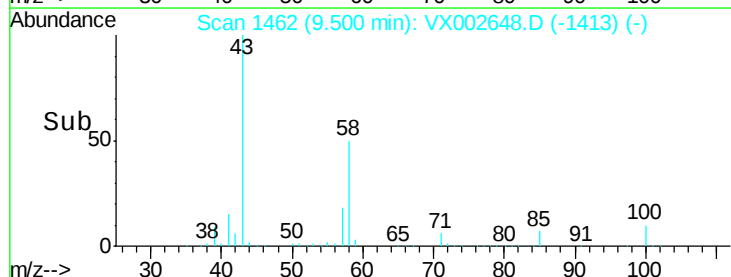
300000

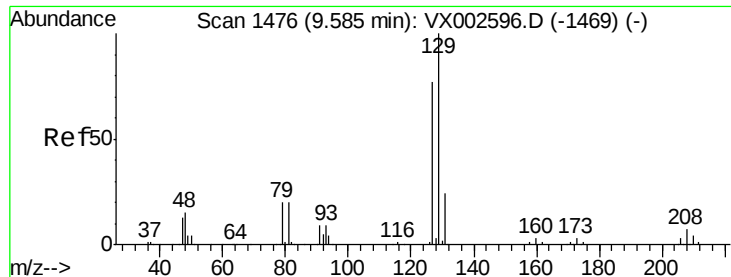
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 51.38 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

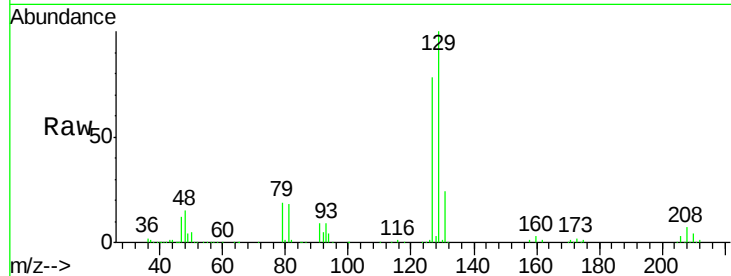
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 126286

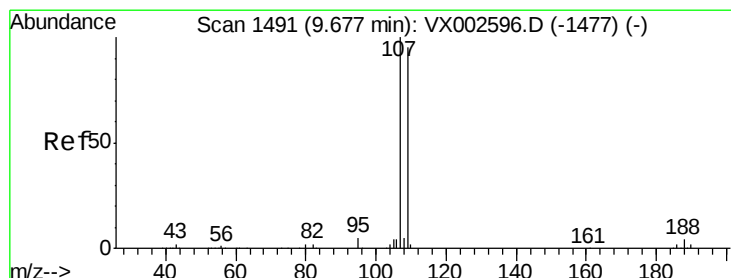
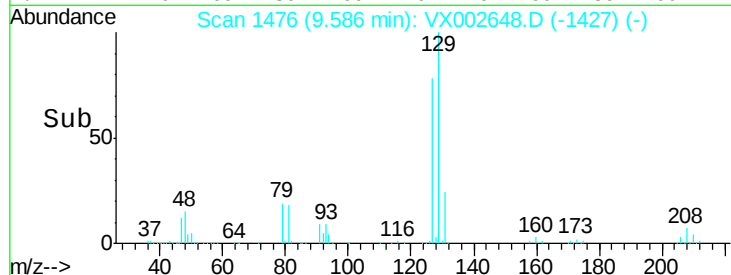
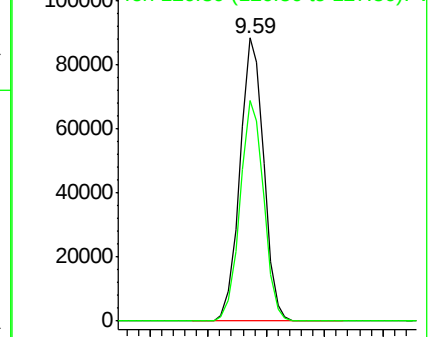
Ion Ratio Lower Upper

129 100

127 77.2 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: 57.97 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002648.D

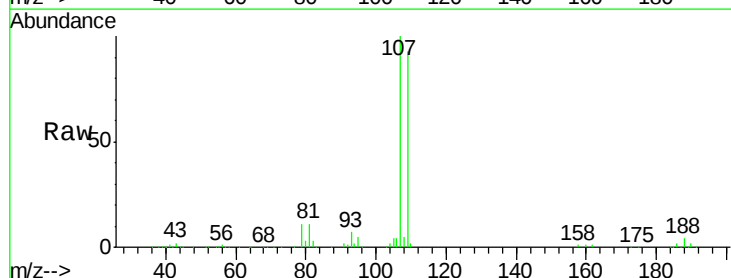
Acq: 16 Jun 2018 15:08

Tgt Ion:107 Resp: 130898

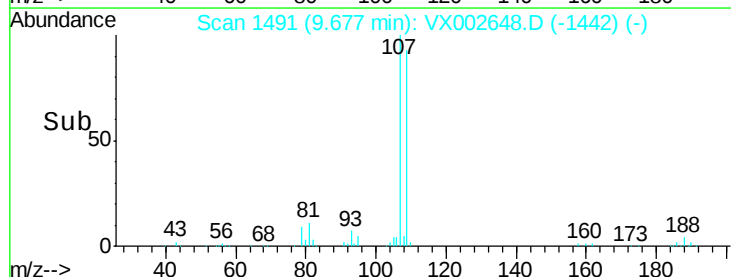
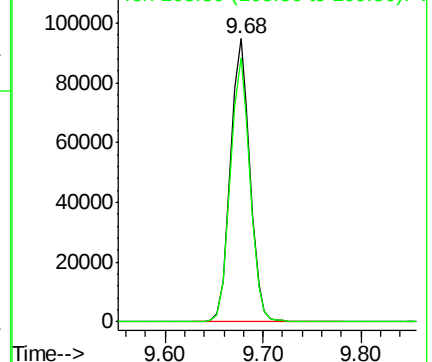
Ion Ratio Lower Upper

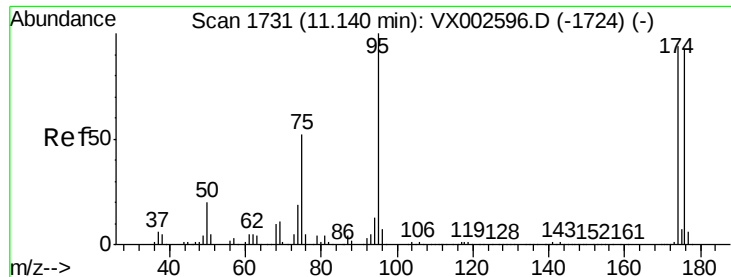
107 100

109 94.0 75.3 112.9



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

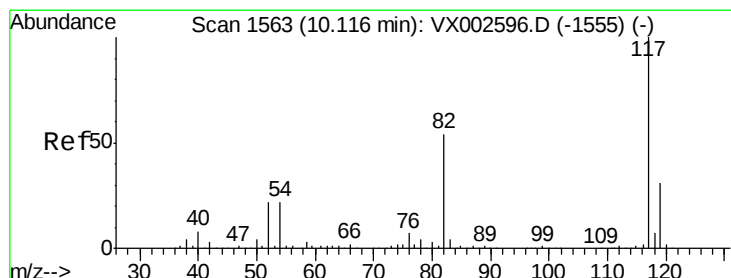
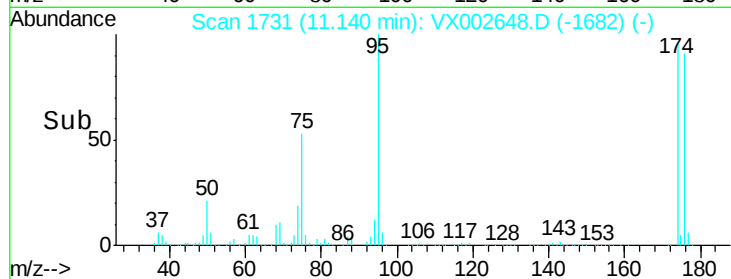
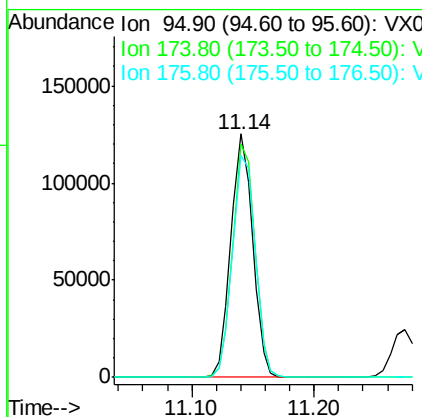
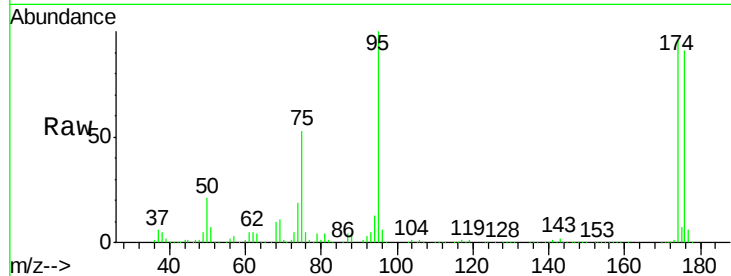




#62
4-Bromofluorobenzene
Concen: 50.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

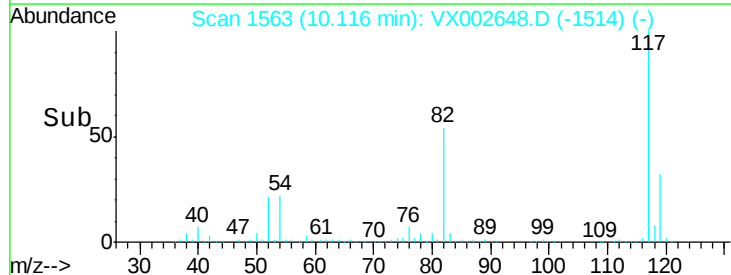
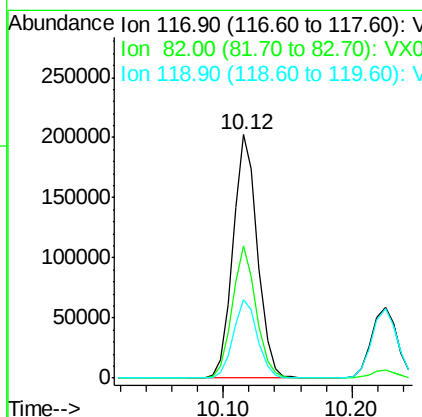
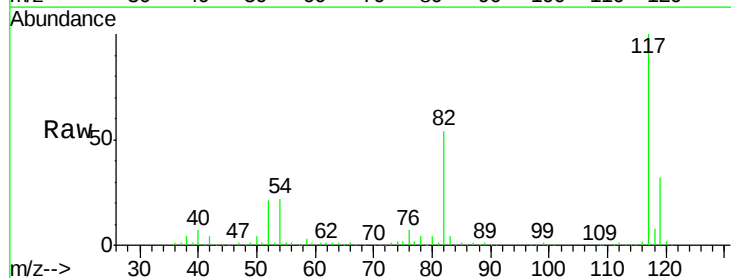
Instrument :
MSVOA_X
ClientSampleId :

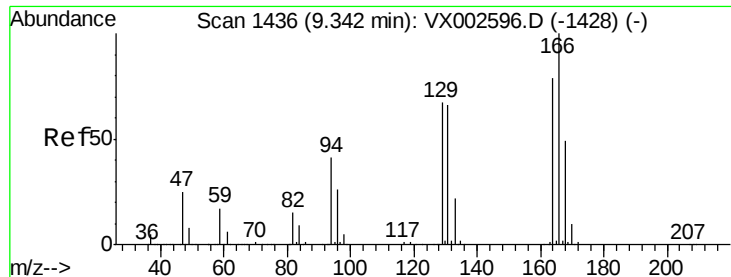
Tot Ion: 95 Resp: 154194
Ion Ratio Lower Upper
95 100
174 98.1 0.0 187.4
176 94.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 117 Resp: 267565
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.1 25.8 38.6





#64

Tetrachloroethene

Concen: 31.95 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 94891

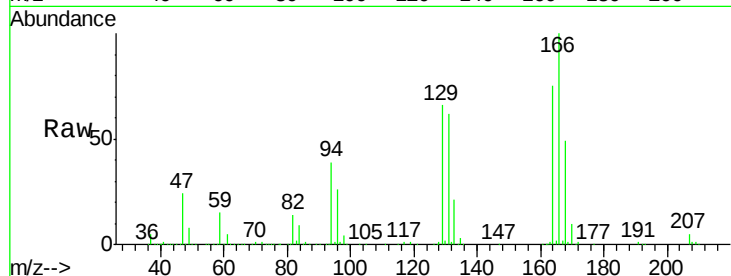
Ion Ratio Lower Upper

164 100

166 132.6 102.9 154.3

129 87.2 68.6 102.8

131 82.9 66.8 100.2

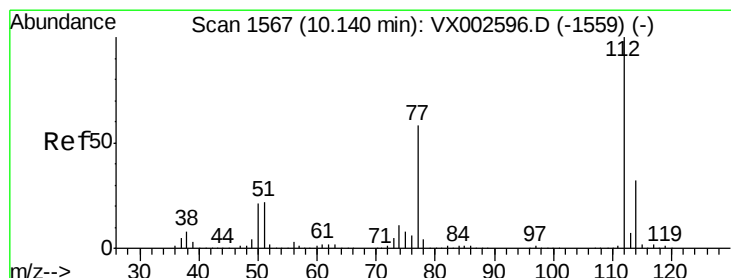
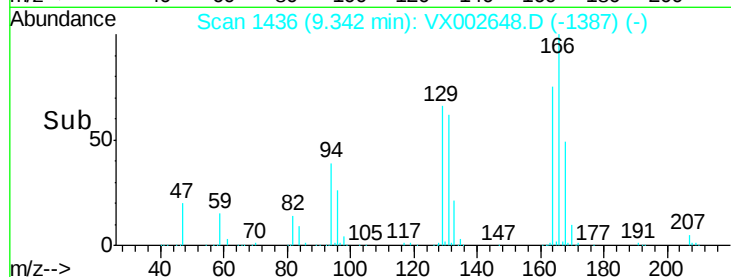
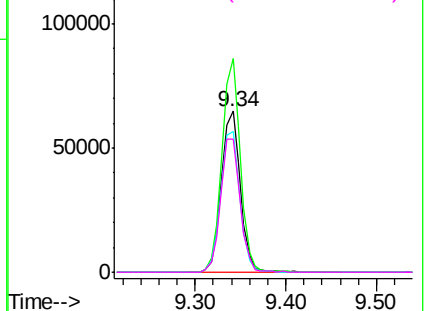


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 53.98 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002648.D

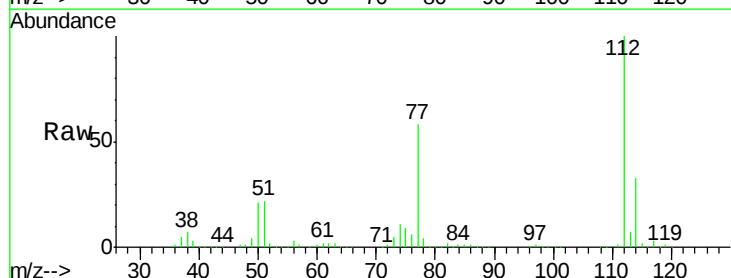
Acq: 16 Jun 2018 15:08

Tgt Ion:112 Resp: 354683

Ion Ratio Lower Upper

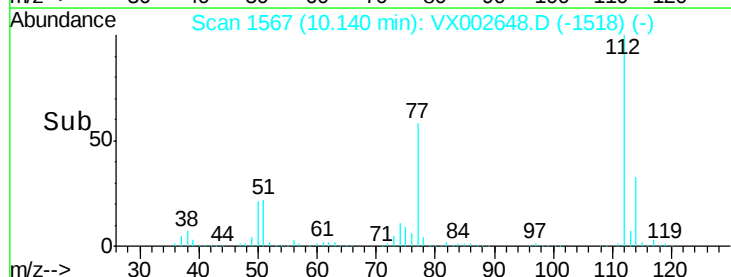
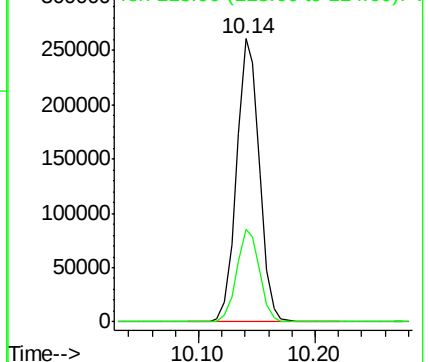
112 100

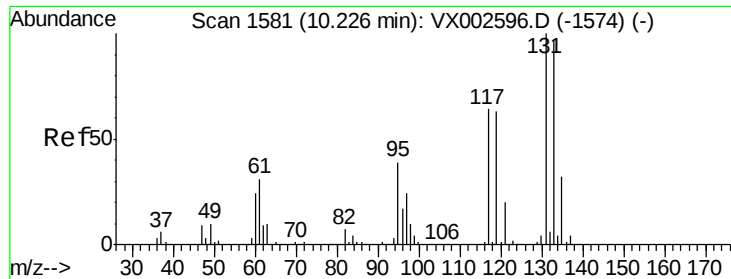
114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 55.75 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

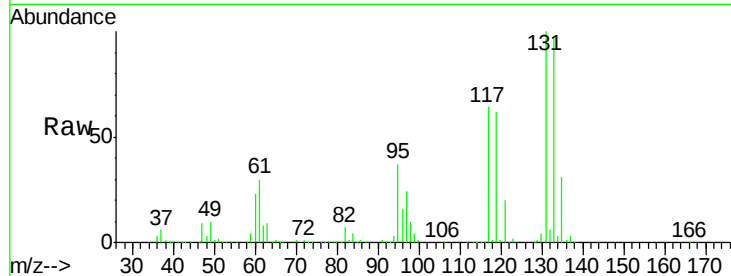
Tot Ion:131 Resp: 124888

Ion Ratio Lower Upper

131 100

133 94.9 47.9 143.6

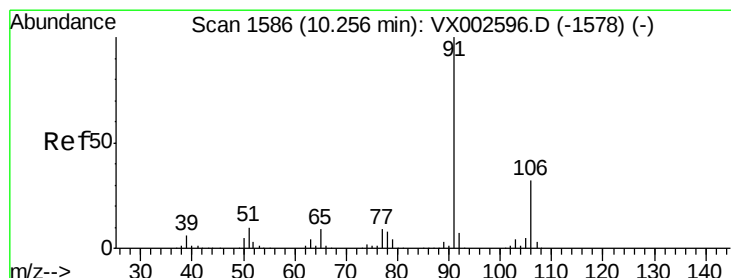
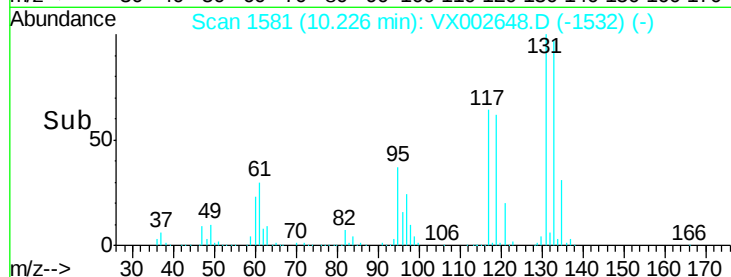
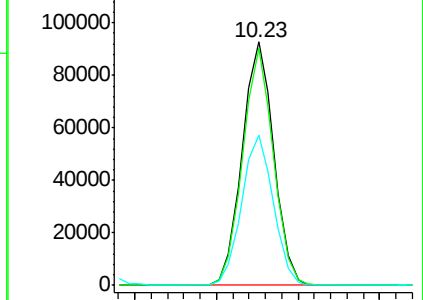
119 62.1 31.8 95.3



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: 47.06 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002648.D

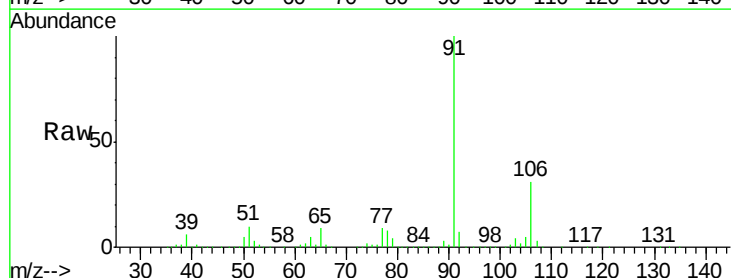
Acq: 16 Jun 2018 15:08

Tgt Ion: 91 Resp: 521575

Ion Ratio Lower Upper

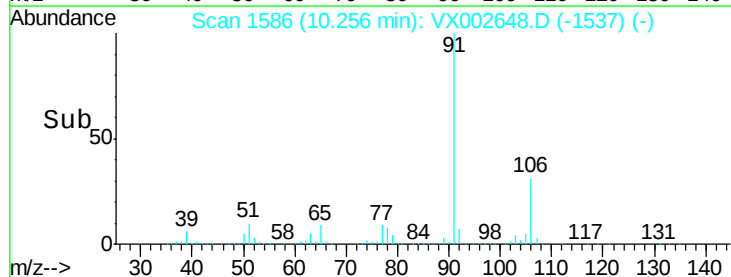
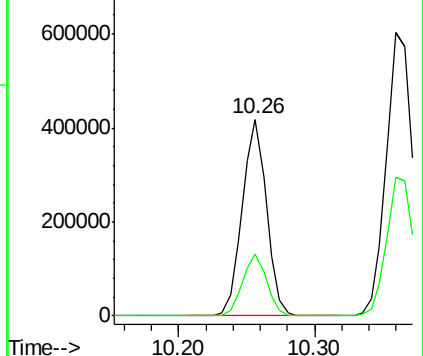
91 100

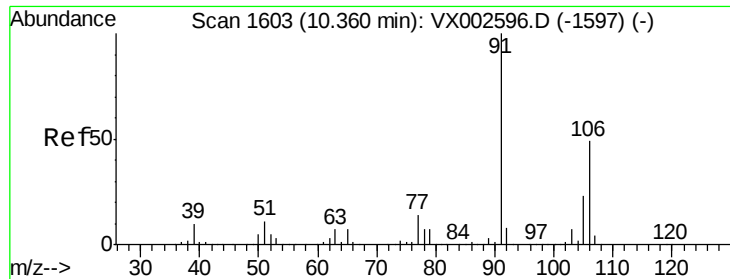
106 31.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

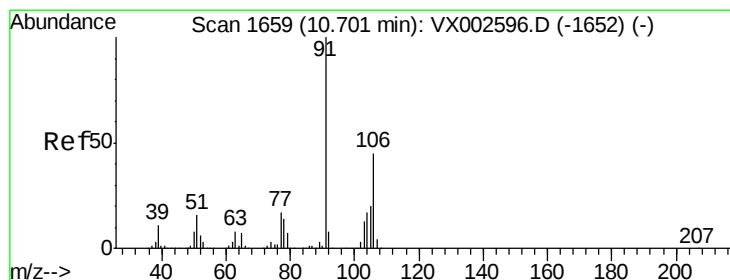
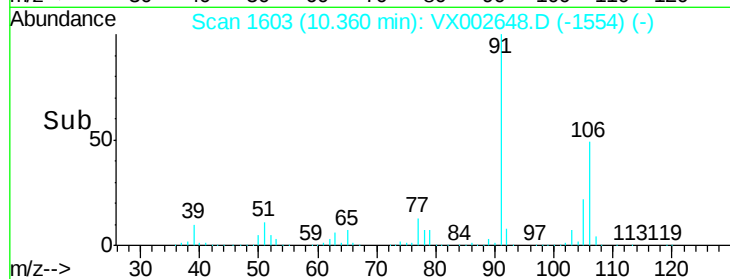
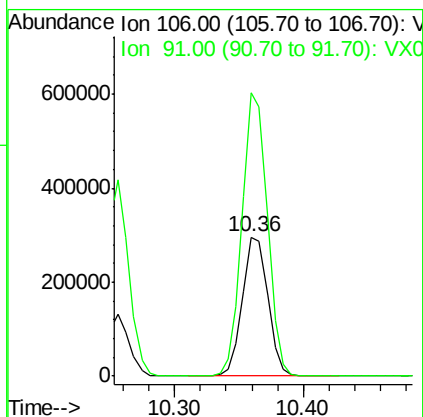
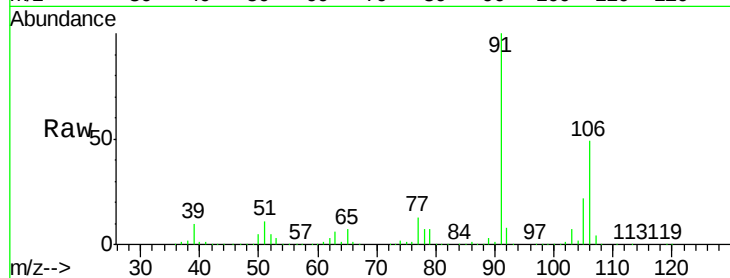




#68
m/p-Xvlenes
Concen: 94.54 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

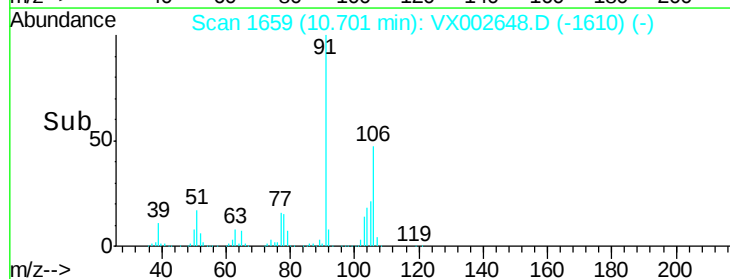
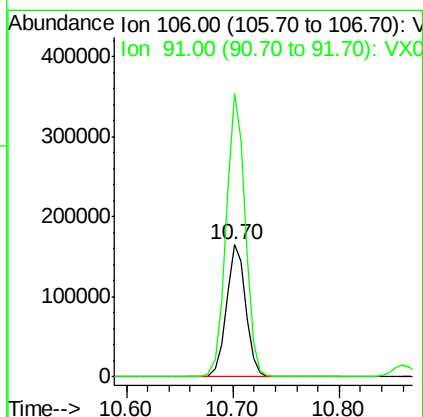
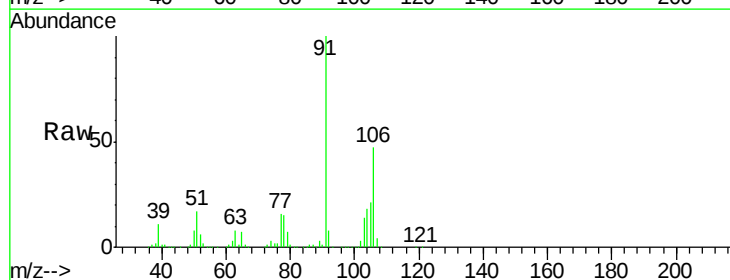
Instrument :
MSVOA_X
ClientSampleId :

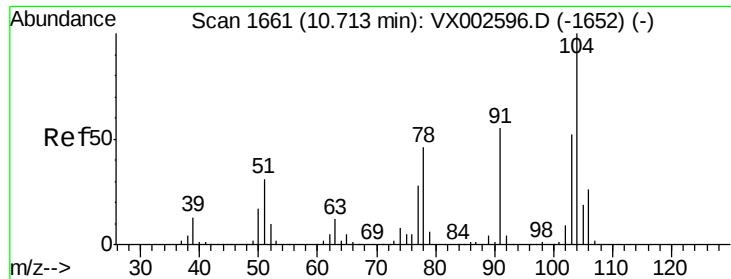
Tot Ion:106 Resp: 404182
Ion Ratio Lower Upper
106 100
91 202.5 163.4 245.2



#69
o-Xylene
Concen: 49.69 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion:106 Resp: 208711
Ion Ratio Lower Upper
106 100
91 211.9 108.2 324.6

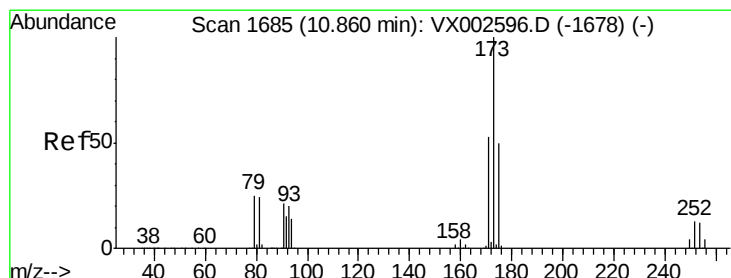
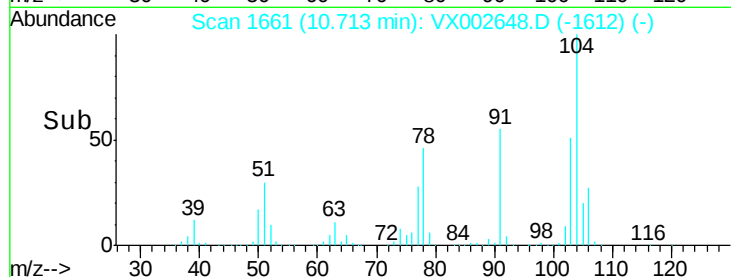
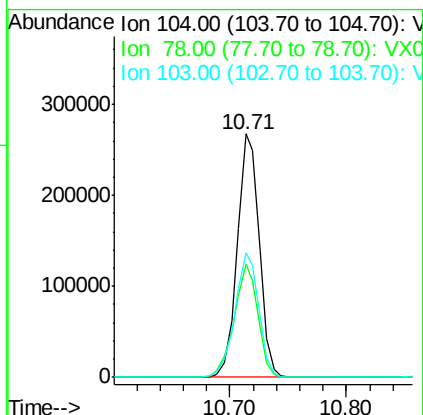
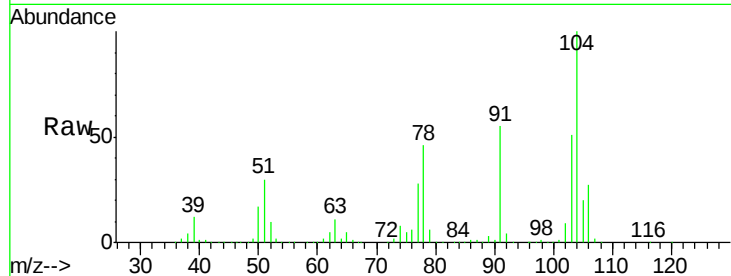




#70
Stvrene
Concen: 50.86 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

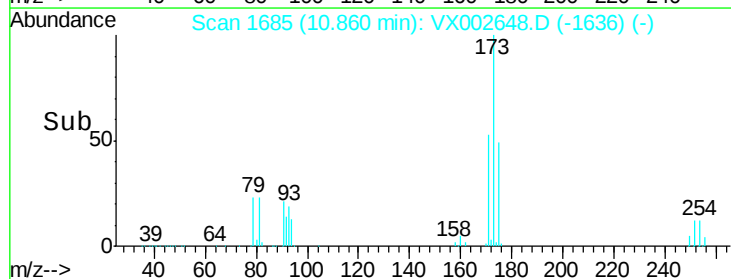
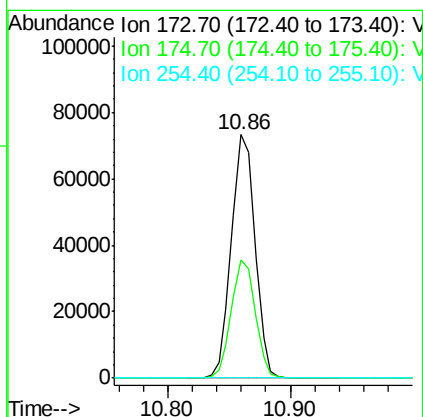
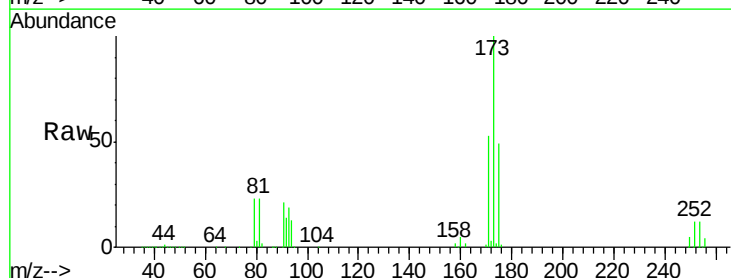
Instrument :
MSVOA_X
ClientSampleId :

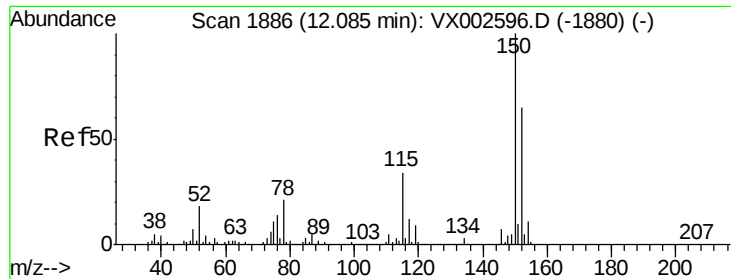
Tot Ion:104 Resp: 351344
Ion Ratio Lower Upper
104 100
78 50.1 41.0 61.6
103 55.4 44.2 66.4



#71
Bromoform
Concen: 48.11 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion:173 Resp: 97710
Ion Ratio Lower Upper
173 100
175 49.3 24.7 74.1
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

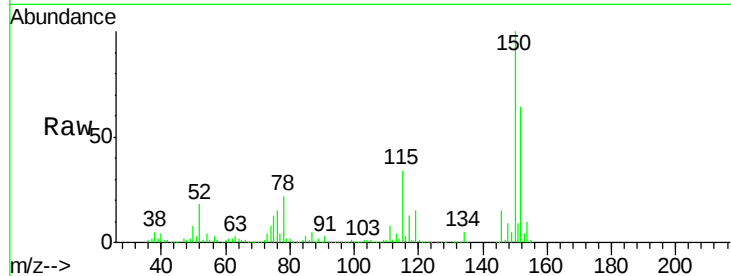
Tot Ion:152 Resp: 165268

Ion Ratio Lower Upper

152 100

115 74.4 40.1 120.2

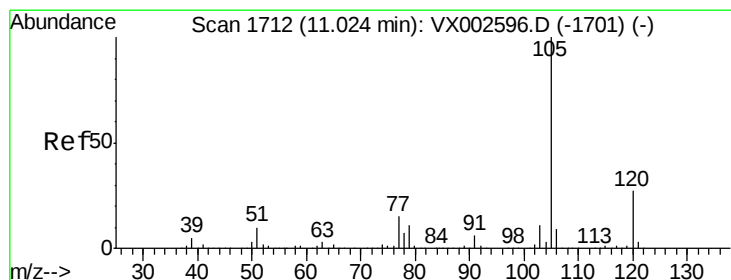
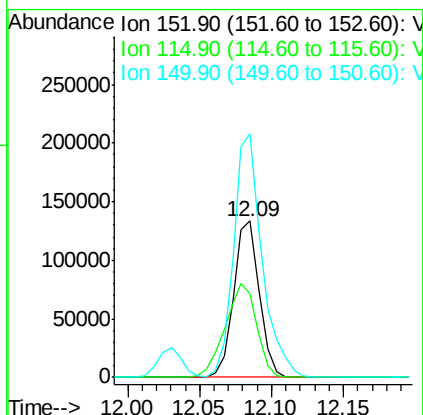
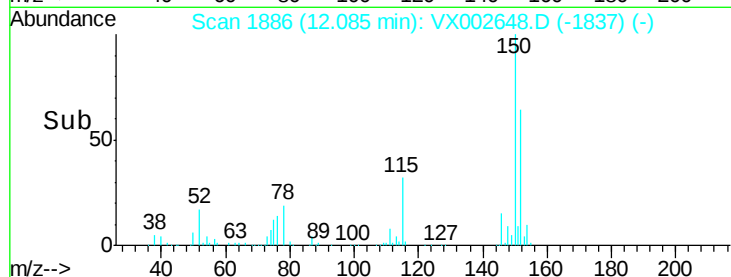
150 173.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 45.69 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002648.D

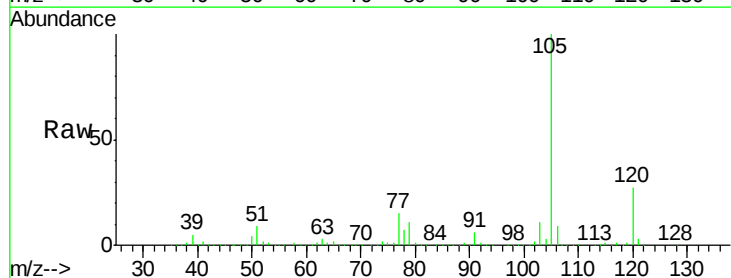
Acq: 16 Jun 2018 15:08

Tgt Ion:105 Resp: 505057

Ion Ratio Lower Upper

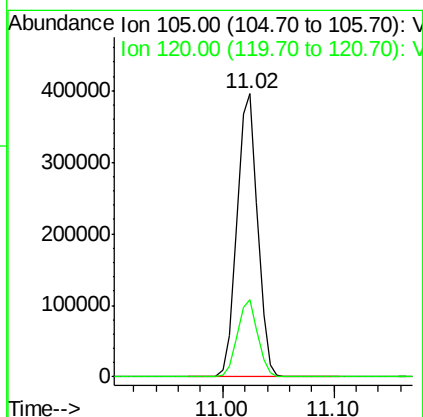
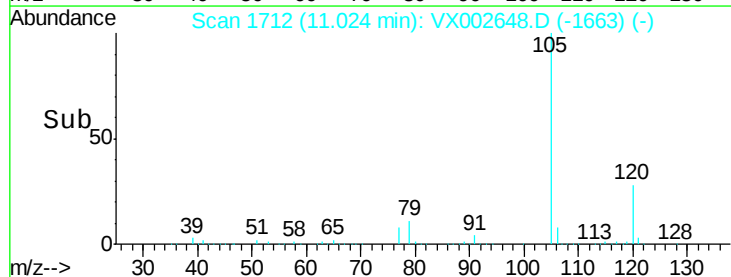
105 100

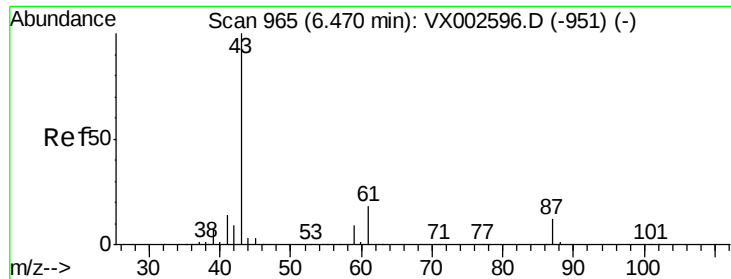
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

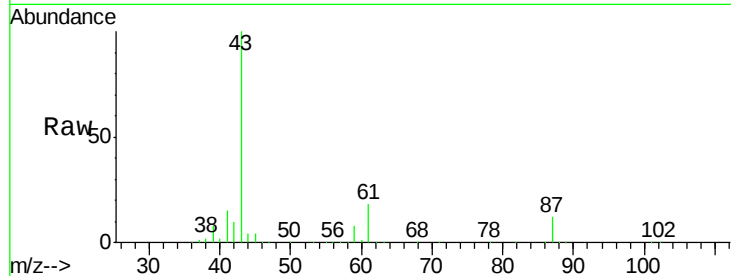
Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

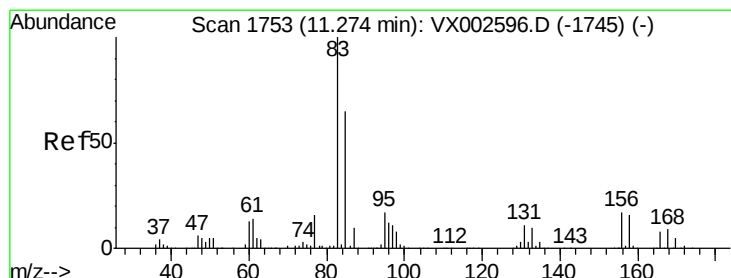
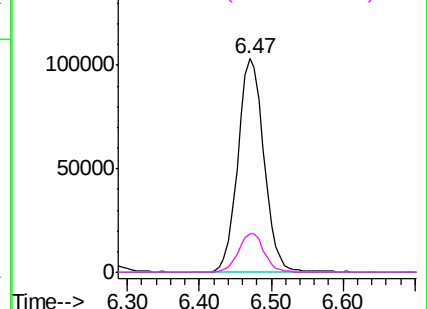
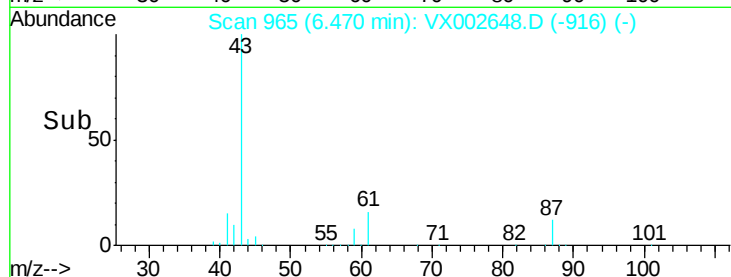
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 258716

Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	18.1	14.4	21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 58.72 ug/l

RT: 11.27 min Scan# 1753

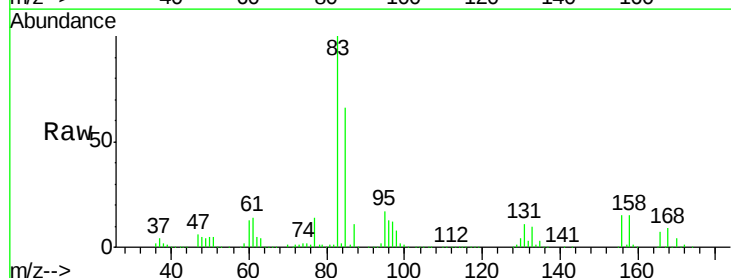
Delta R.T. 0.00 min

Lab File: VX002648.D

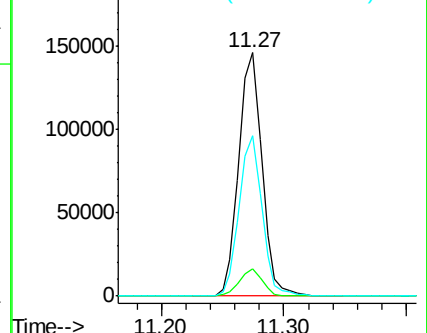
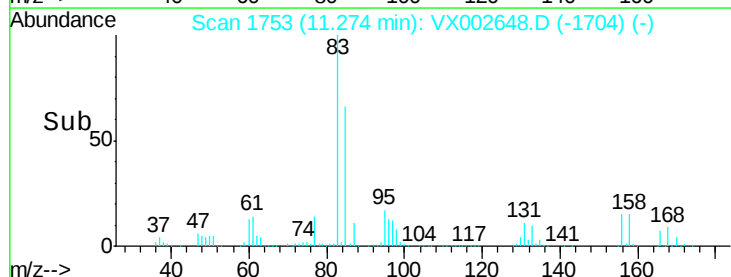
Acq: 16 Jun 2018 15:08

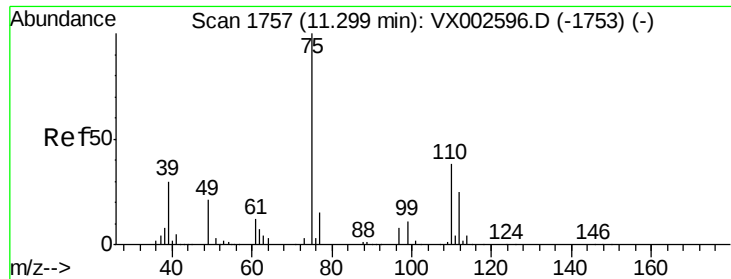
Tgt Ion: 83 Resp: 191657

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.6	16.8
85	65.2	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: 62.67 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

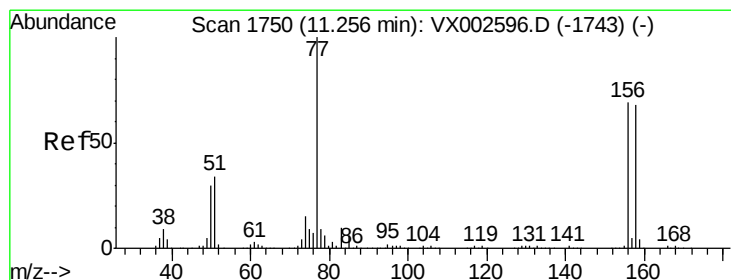
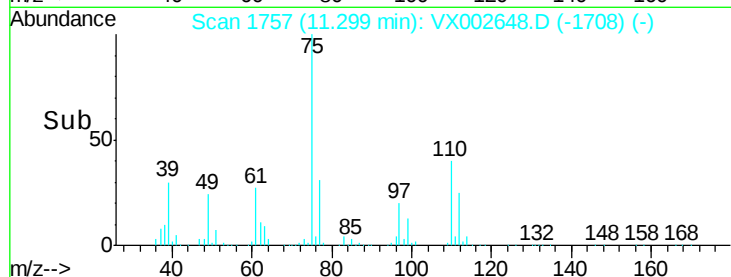
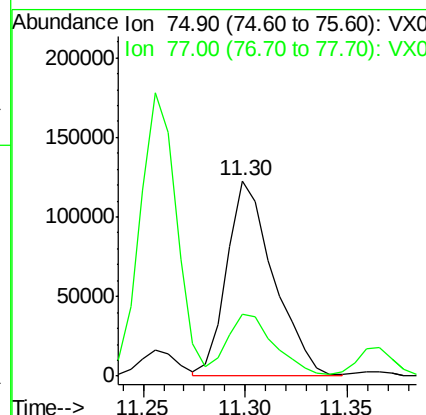
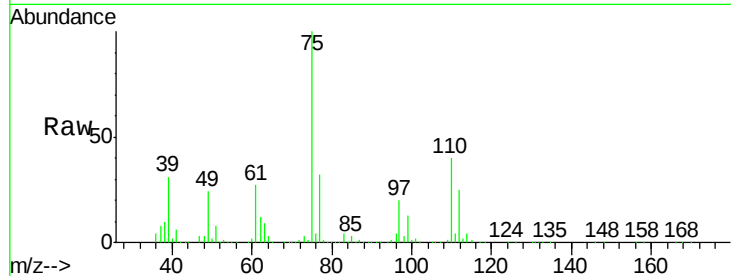
ClientSampleId :

Tot Ion: 75 Resp: 195427

Ion Ratio Lower Upper

75 100

77 32.4 22.8 68.3



#77

Bromobenzene

Concen: 52.30 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

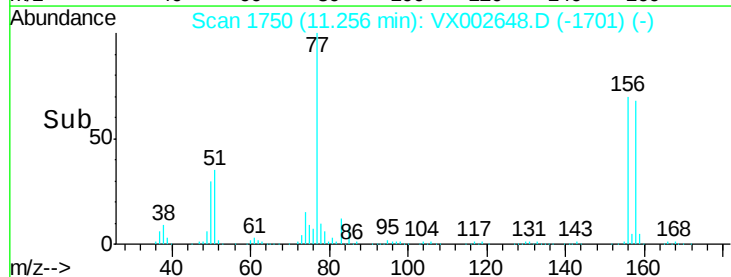
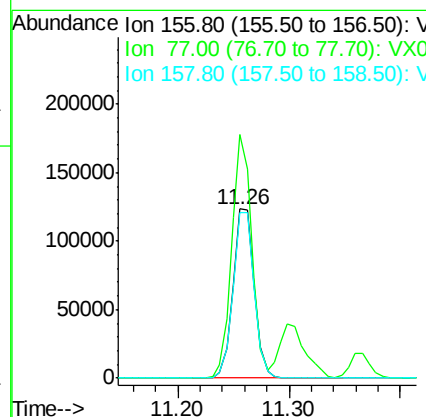
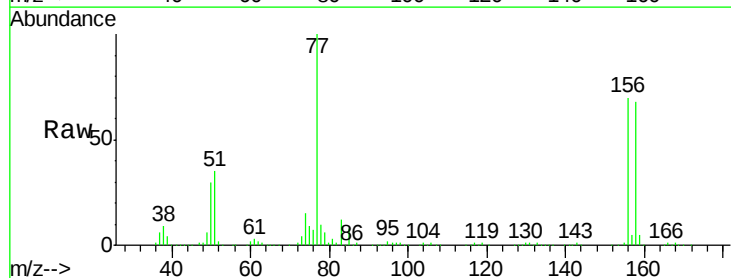
Tgt Ion: 156 Resp: 161043

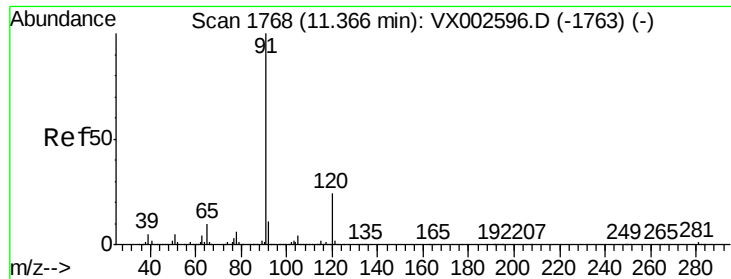
Ion Ratio Lower Upper

156 100

77 136.9 71.4 214.2

158 97.6 48.9 146.6





#78

n-propylbenzene

Concen: 44.03 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

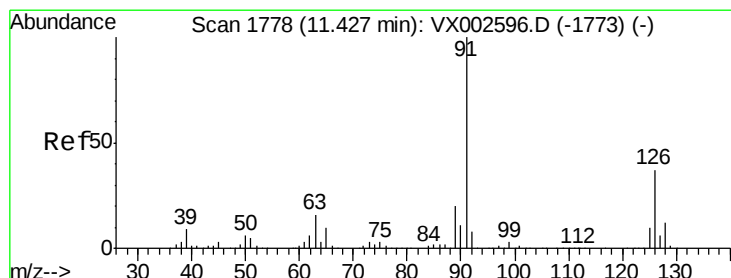
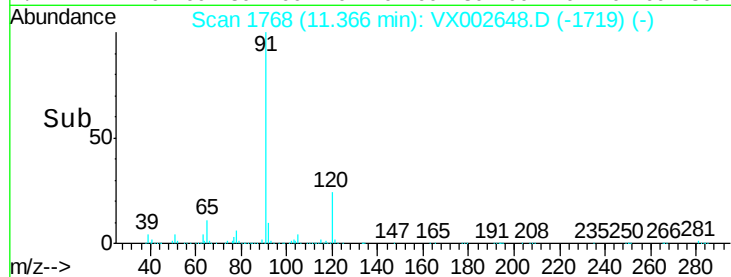
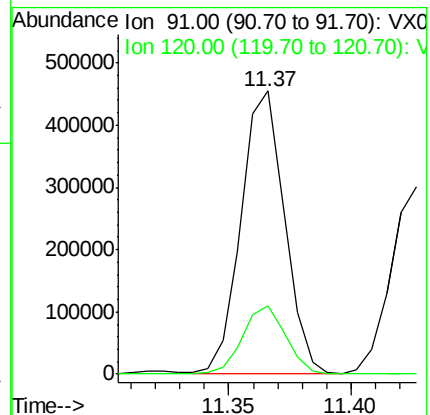
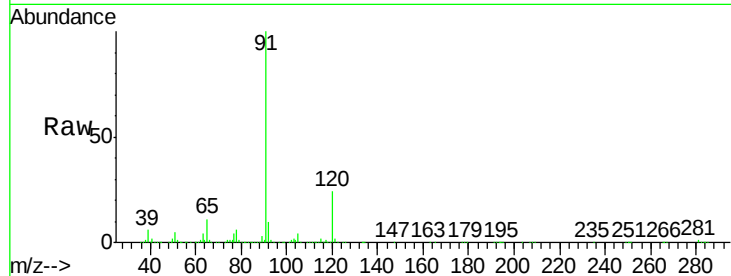
ClientSampleId :

Tot Ion: 91 Resp: 558145

Ion Ratio Lower Upper

91 100

120 24.0 11.8 35.4



#79

2-Chlorotoluene

Concen: 48.91 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002648.D

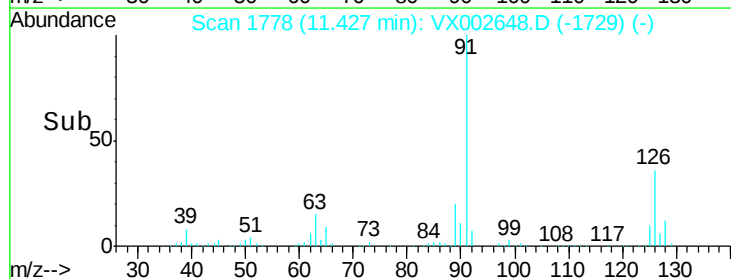
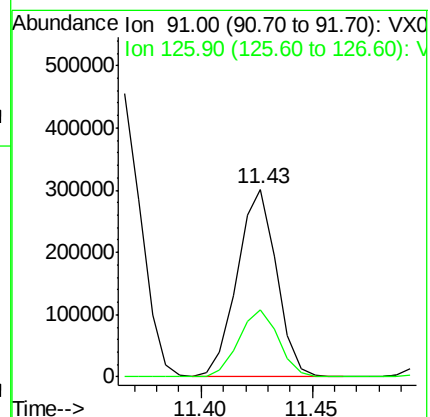
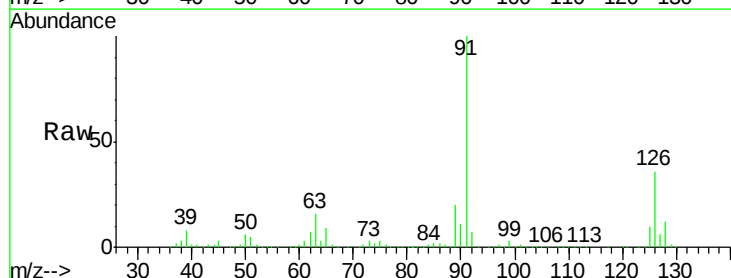
Acq: 16 Jun 2018 15:08

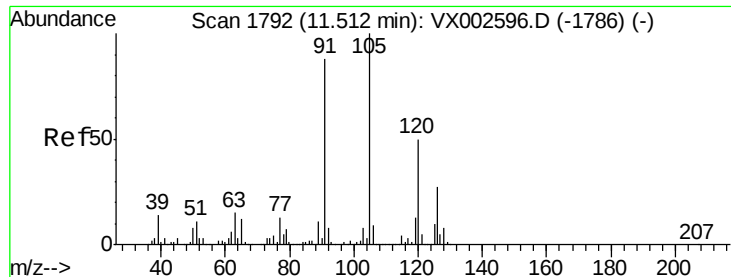
Tgt Ion: 91 Resp: 370160

Ion Ratio Lower Upper

91 100

126 36.4 17.7 53.1

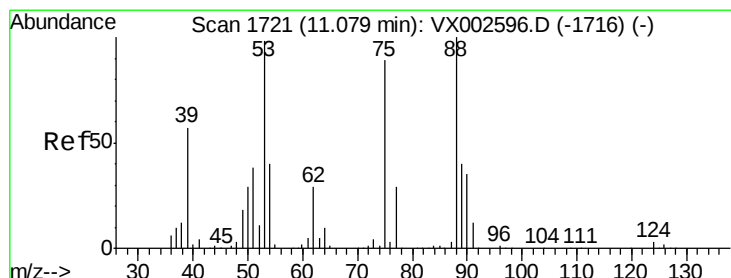
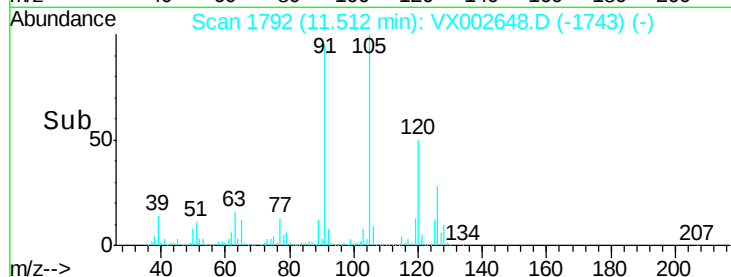
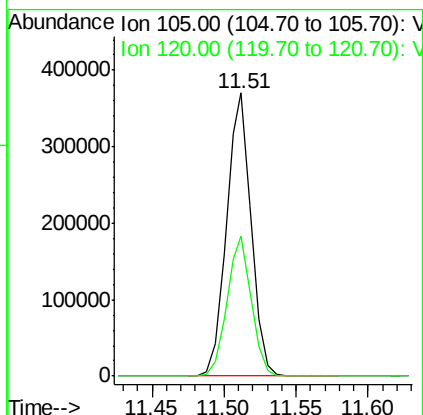
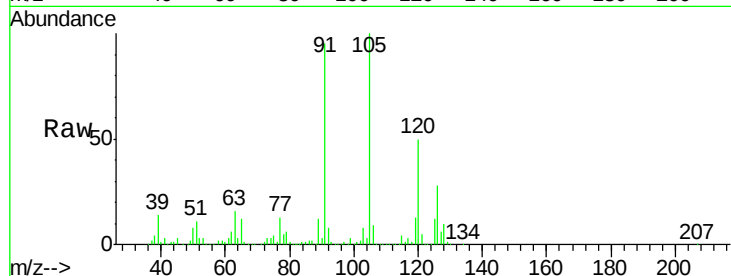




#80
 1,3,5-Trimethylbenzene
 Concen: 47.41 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

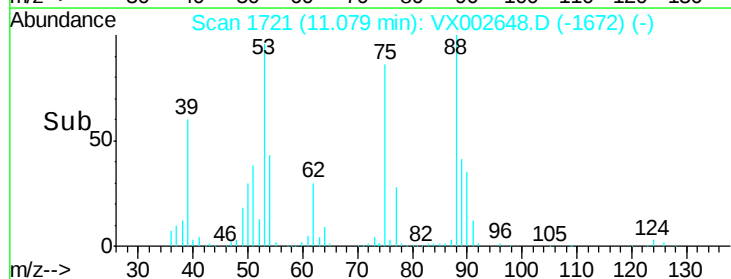
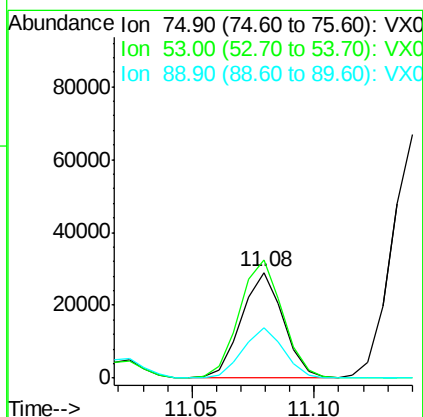
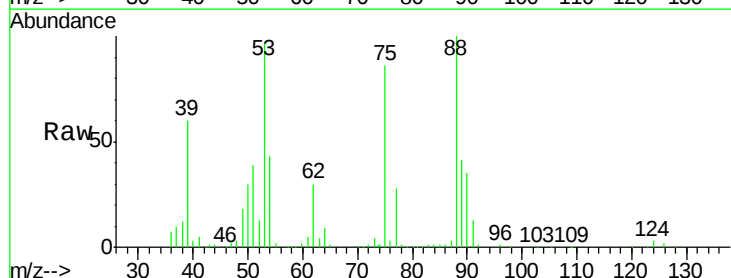
Instrument :
 MSVOA_X
 ClientSampled :

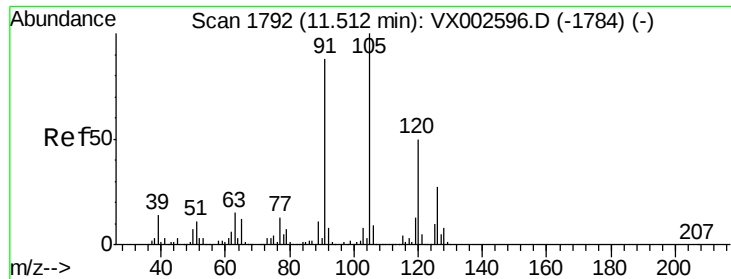
Tot Ion:105 Resp: 442900
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 36.58 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion: 75 Resp: 34460
 Ion Ratio Lower Upper
 75 100
 53 116.4 86.8 130.2
 89 47.1 38.2 57.2

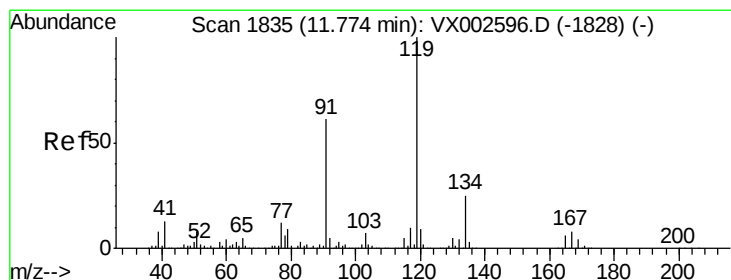
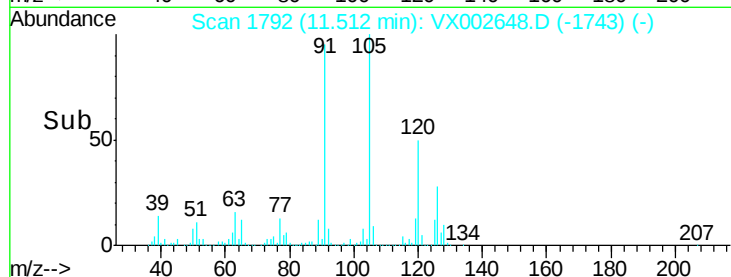
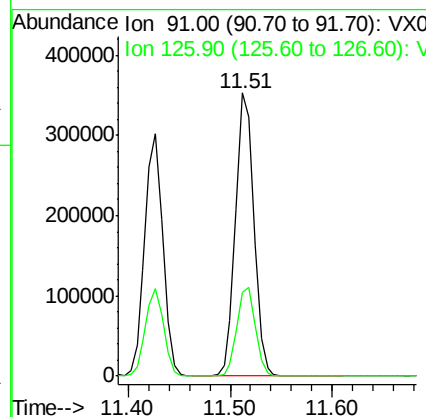
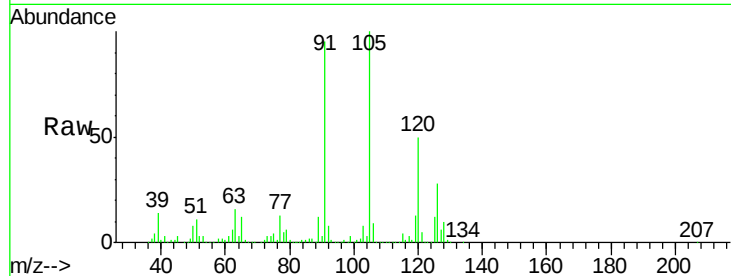




#82
4-Chlorotoluene
Concen: 48.94 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

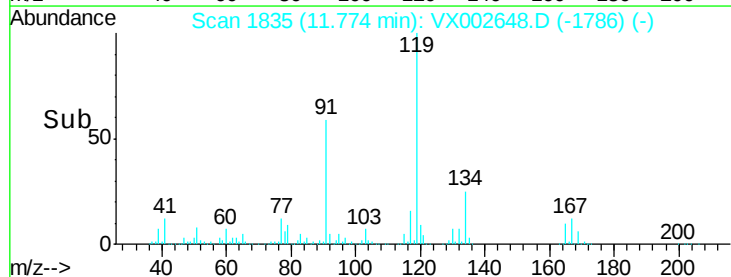
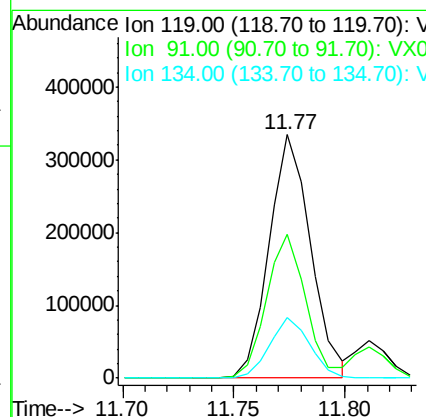
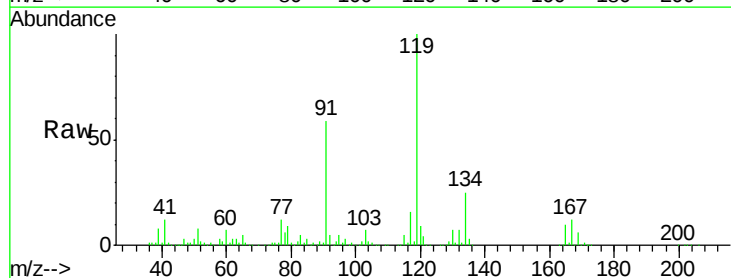
Instrument :
MSVOA_X
ClientSampled :

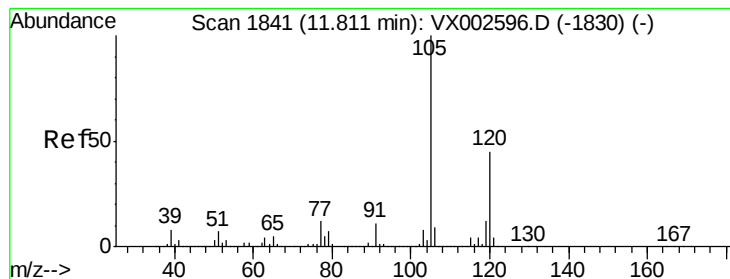
Tot Ion: 91 Resp: 437099
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.4



#83
tert-Butylbenzene
Concen: 48.09 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 119 Resp: 432735
Ion Ratio Lower Upper
119 100
91 56.2 30.3 90.9
134 23.8 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 49.39 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

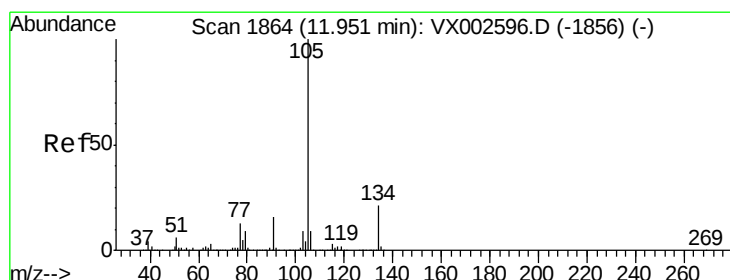
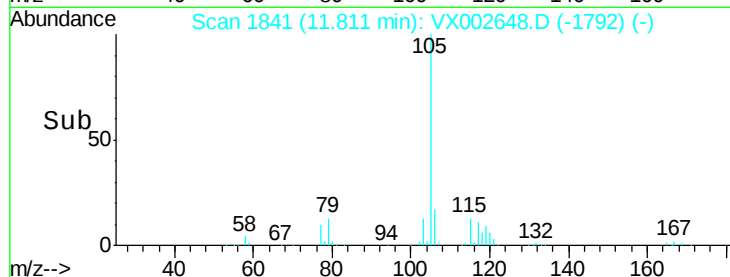
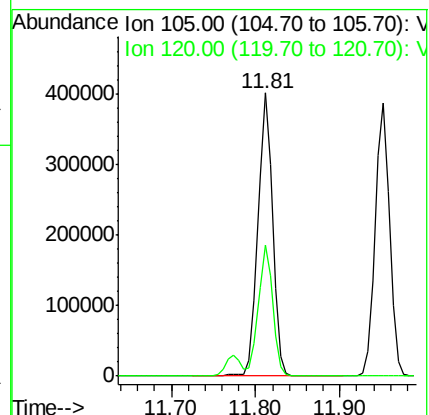
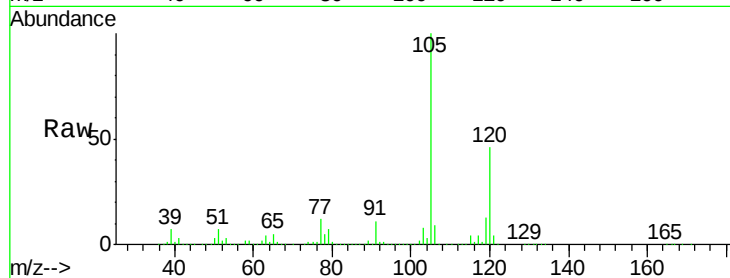
ClientSampled :

Tot Ion:105 Resp: 470808

Ion Ratio Lower Upper

105 100

120 45.5 22.3 66.8



#85

sec-Butylbenzene

Concen: 41.30 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002648.D

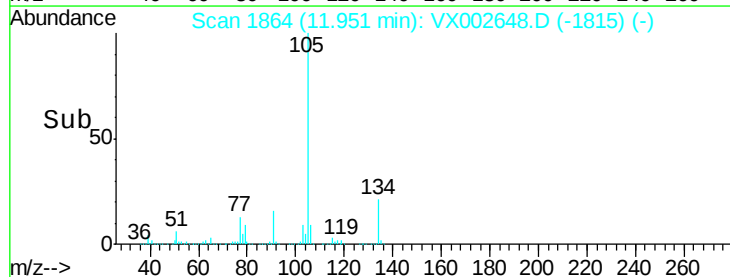
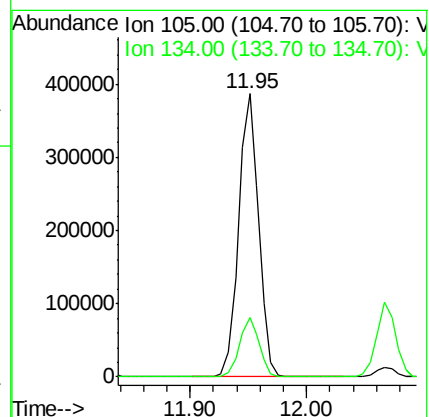
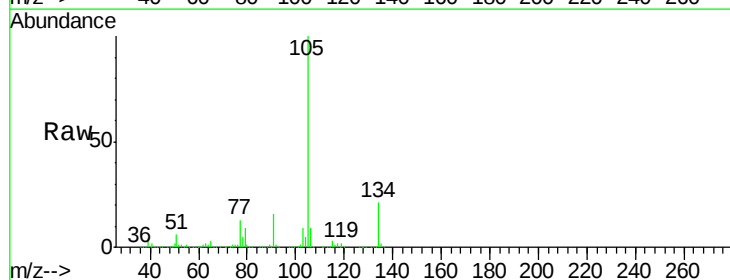
Acq: 16 Jun 2018 15:08

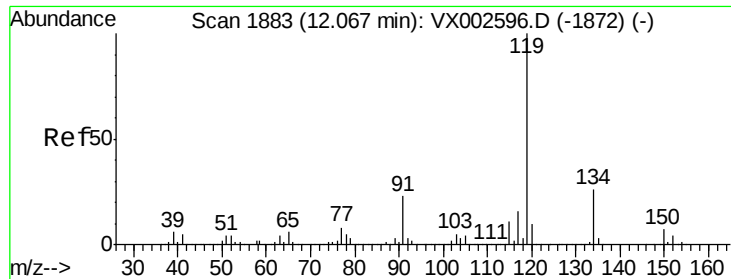
Tgt Ion:105 Resp: 462099

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1





#86

p-Isopropyltoluene

Concen: 42.54 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

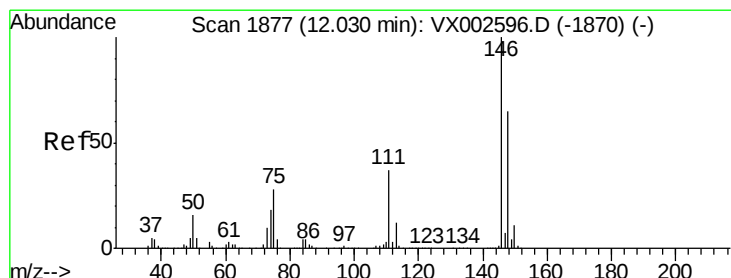
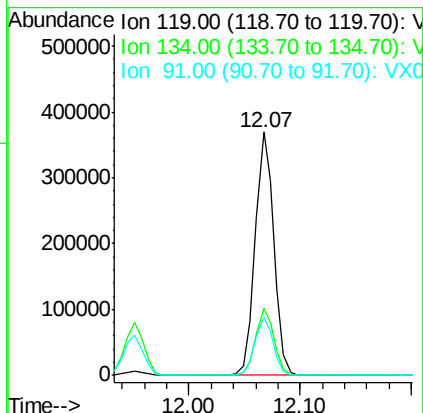
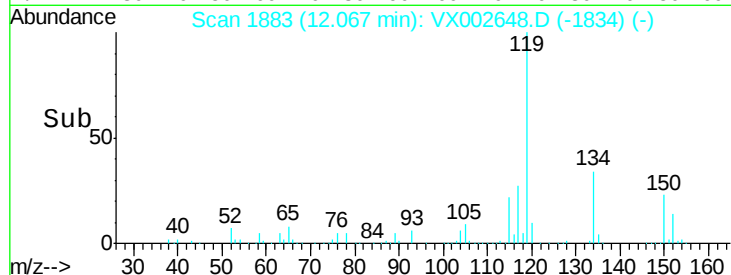
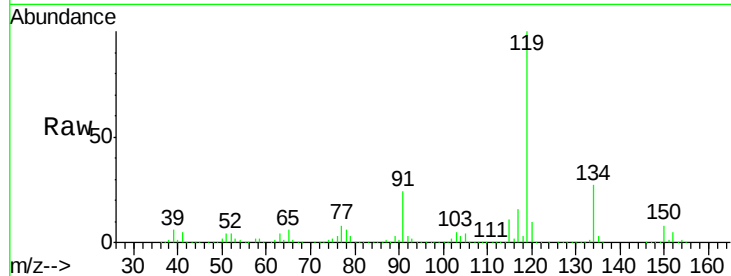
Tot Ion:119 Resp: 430657

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 23.5 11.9 35.7



#87

1,3-Dichlorobenzene

Concen: 50.75 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

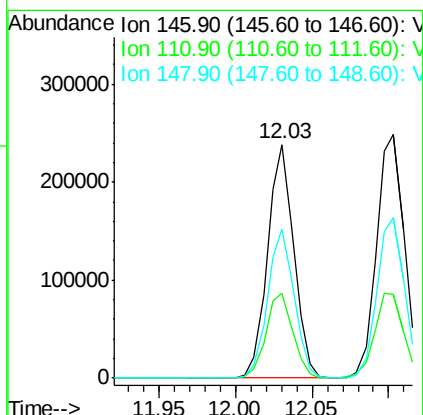
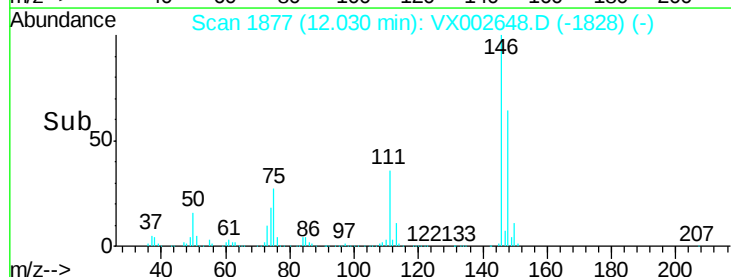
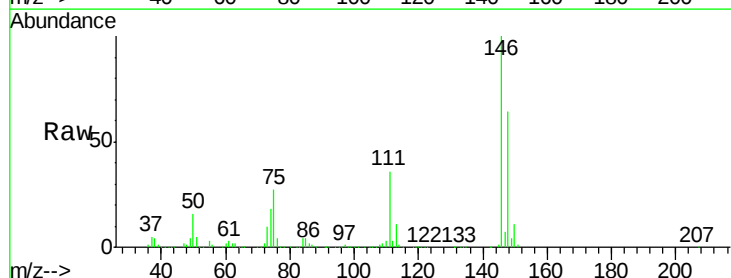
Tgt Ion:146 Resp: 286582

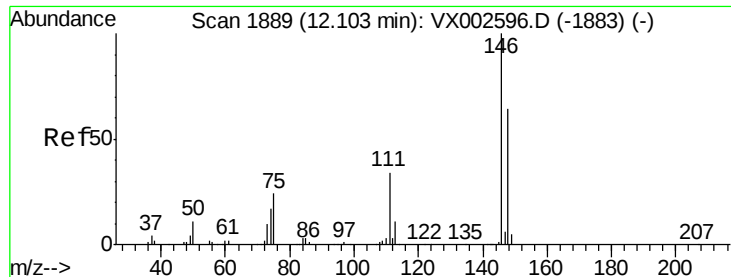
Ion Ratio Lower Upper

146 100

111 37.2 18.9 56.7

148 64.1 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 54.38 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

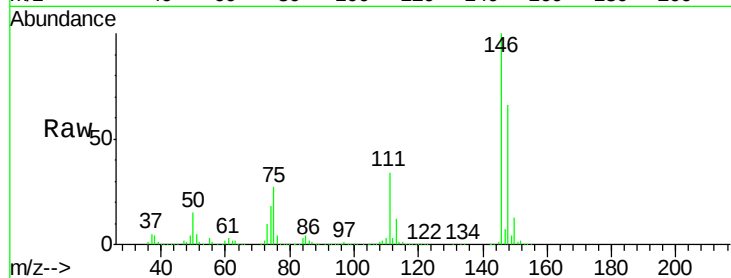
Tot Ion:146 Resp: 312459

Ion Ratio Lower Upper

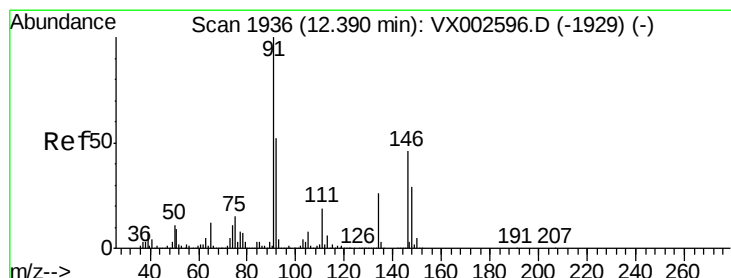
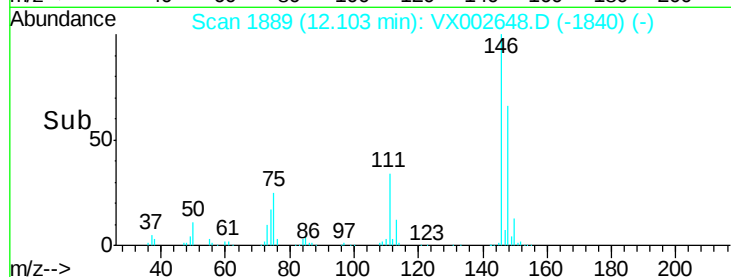
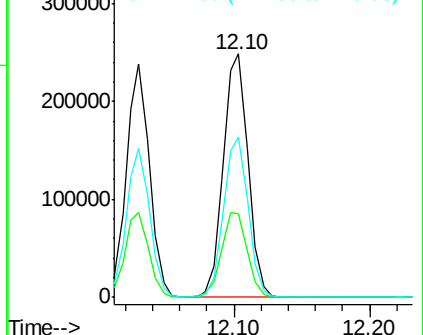
146 100

111 36.3 18.7 56.1

148 65.2 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: 37.92 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

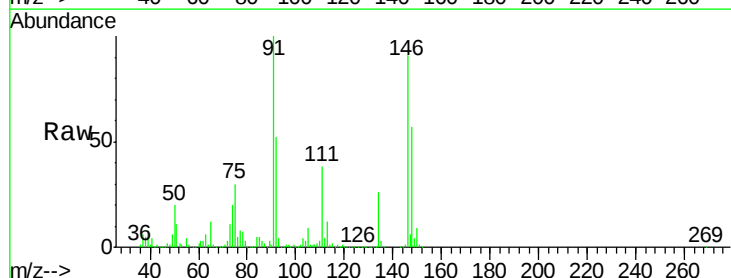
Tgt Ion: 91 Resp: 338715

Ion Ratio Lower Upper

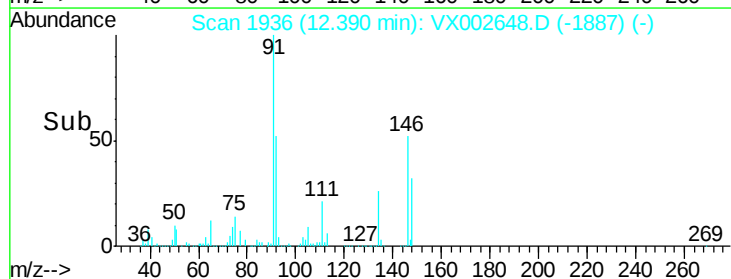
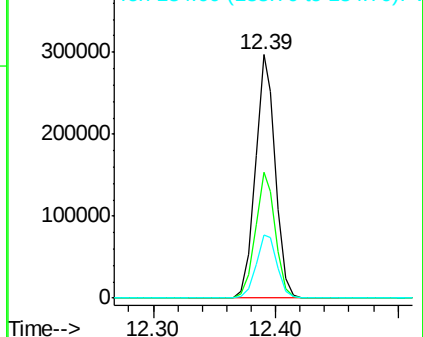
91 100

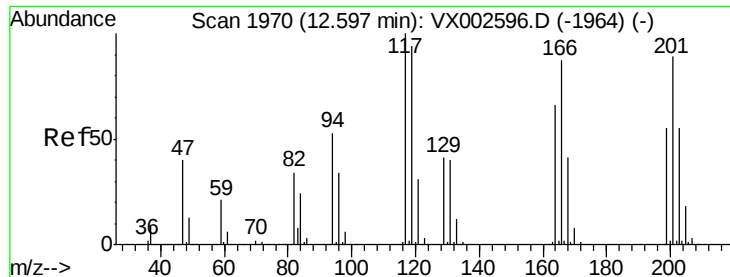
92 51.7 26.0 78.0

134 27.4 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: 44.74 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

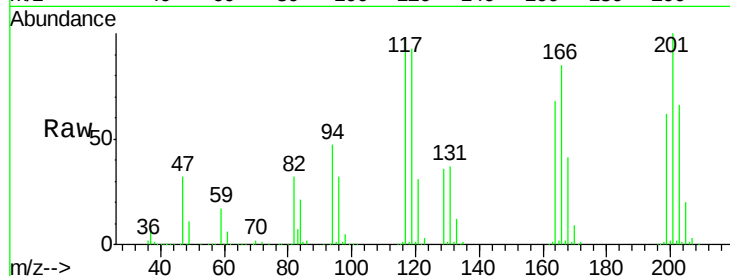
ClientSampled :

Tot Ion:117 Resp: 70155

Ion Ratio Lower Upper

117 100

201 97.6 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

60000

50000

40000

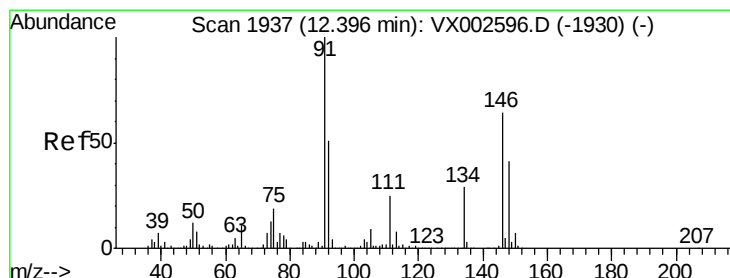
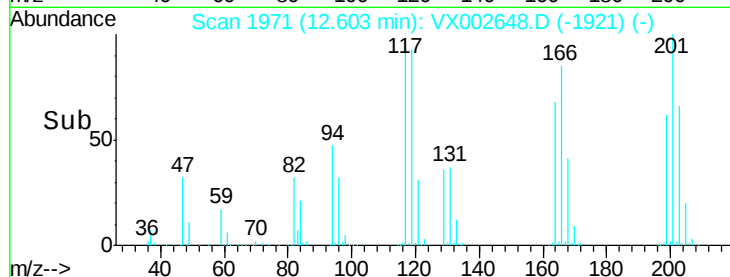
30000

20000

10000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 74.66 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

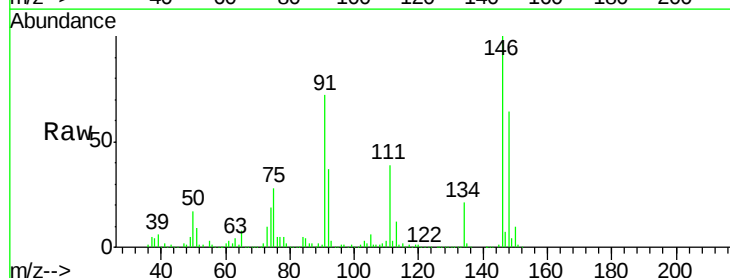
Tgt Ion:146 Resp: 424378

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.1

148 64.2 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

400000

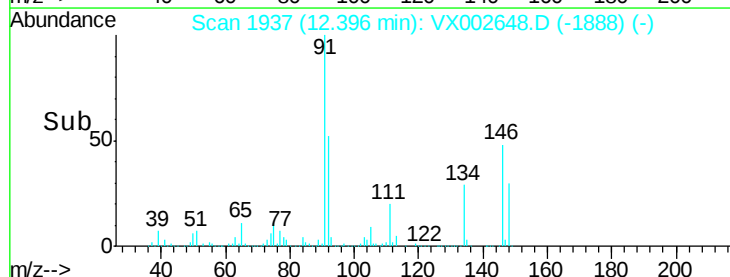
300000

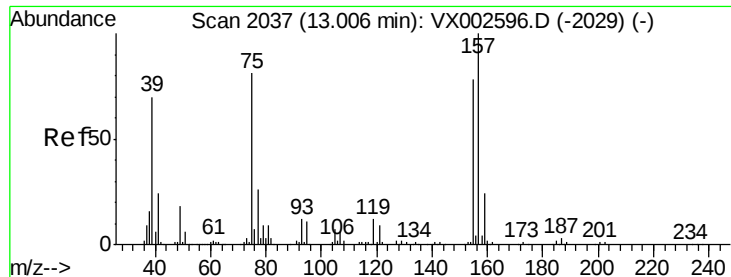
200000

100000

0

Time-->

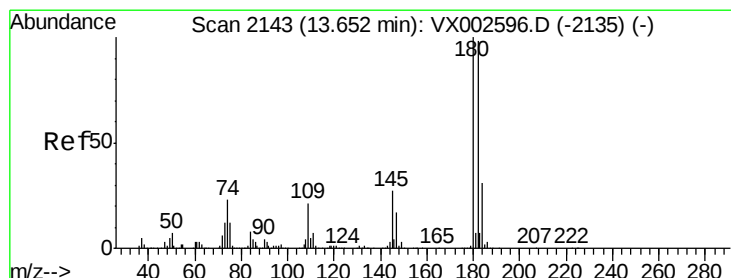
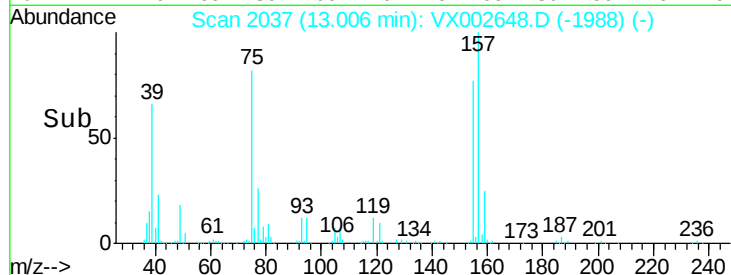
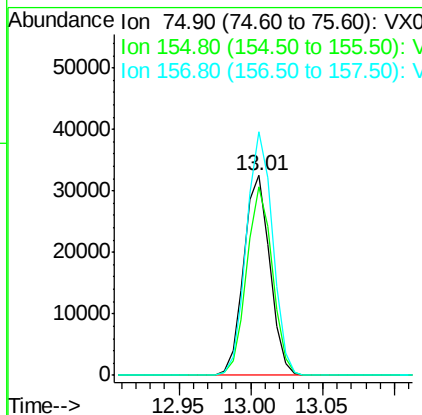
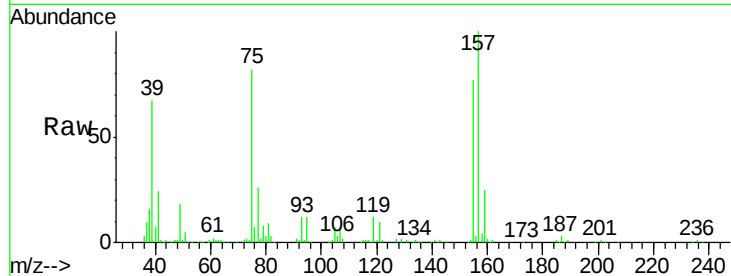




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.74 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

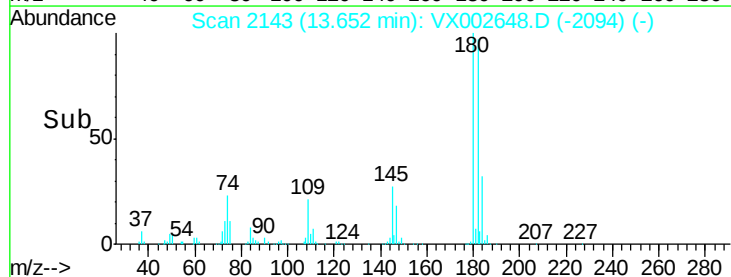
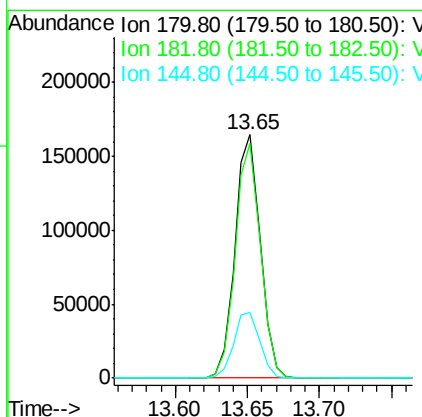
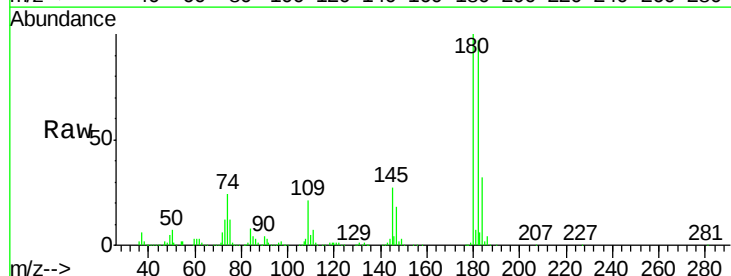
Instrument :
 MSVOA_X
 ClientSampled :

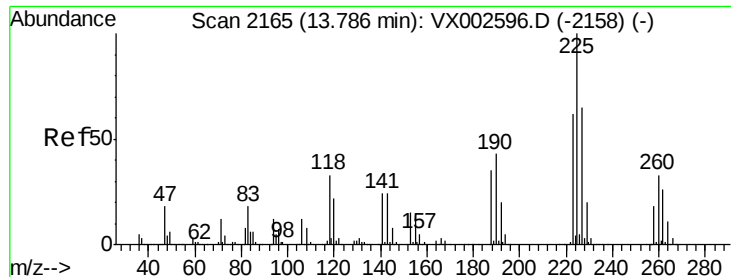
Tot Ion: 75 Resp: 40843
 Ion Ratio Lower Upper
 75 100
 155 92.5 45.8 137.4
 157 121.0 60.1 180.3



#93
 1,2,4-Trichlorobenzene
 Concen: 48.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion: 180 Resp: 201990
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.7 143.1
 145 27.8 14.1 42.4





#94

Hexachlorobutadiene

Concen: 32.99 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

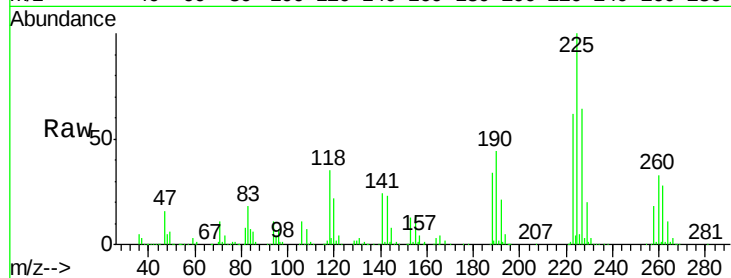
Tot Ion:225 Resp: 71690

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.6	95.0
227	64.1	32.4	97.2

225 100

223 62.5 31.6 95.0

227 64.1 32.4 97.2

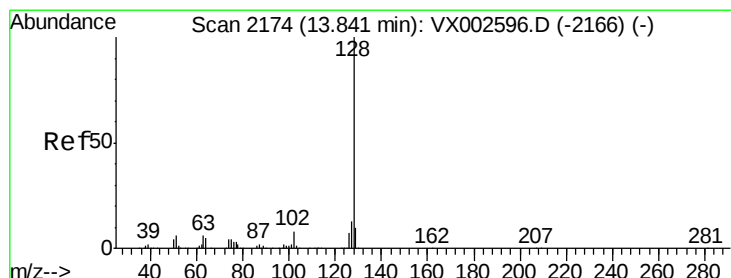
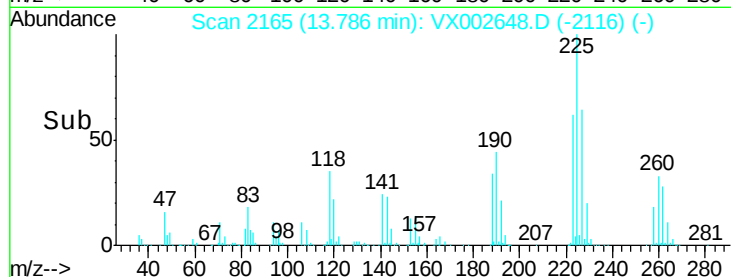
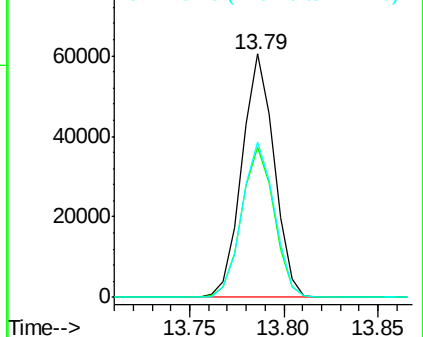


Abundance

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: 56.09 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

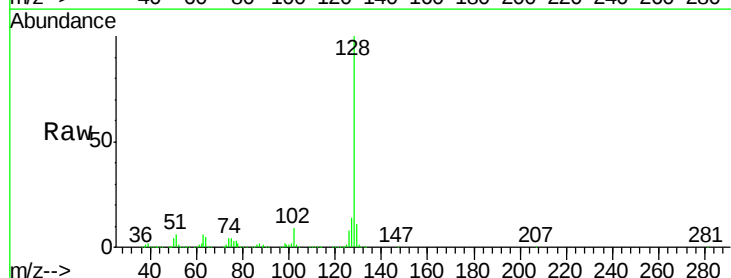
Tgt Ion:128 Resp: 622620

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

128 100

127 13.2 10.4 15.6

129 10.9 8.6 13.0

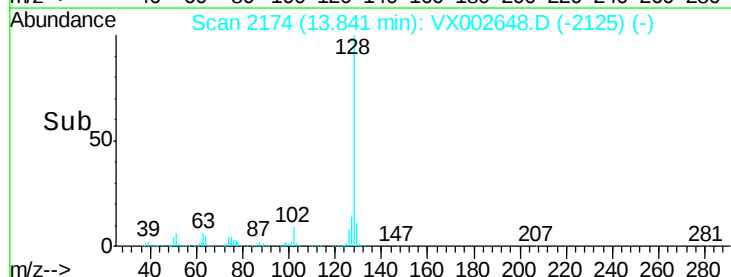
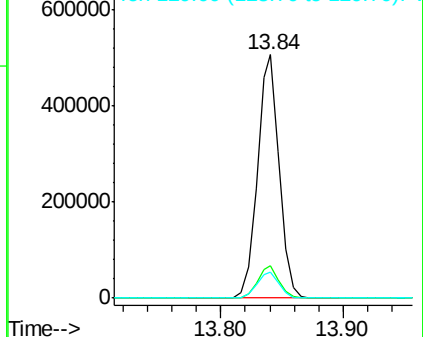


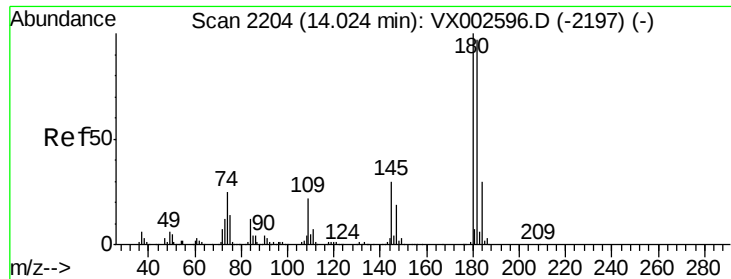
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

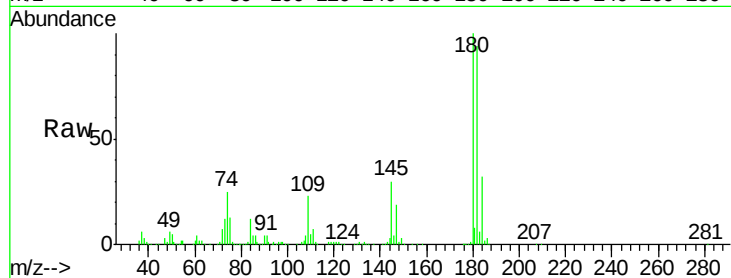




#96
 1,2,3-Trichlorobenzene
 Concen: 51.59 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.7	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

