

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002503.D
 Acq On : 13 Jun 2018 11:31
 Operator : JC/MD
 Sample : VX0613WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 01:42:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	258065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164716	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	141889	60.10	ug/l	0.00
Spiked Amount			Recovery	=	120.20%	
35) Dibromofluoromethane	5.51	113	103472	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	8.72	98	377454	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.14	95	146984	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	33436	19.25	ug/l	99
3) Chloromethane	1.33	50	42897	19.83	ug/l	100
4) Vinyl Chloride	1.41	62	44433	20.30	ug/l	97
5) Bromomethane	1.64	94	27985	20.64	ug/l	98
6) Chloroethane	1.73	64	31461	22.22	ug/l	100
7) Trichlorofluoromethane	1.93	101	75950	22.78	ug/l	100
8) Diethyl Ether	2.19	74	34698	28.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44551	24.76	ug/l	98
10) Methyl Iodide	2.51	142	36322	14.35	ug/l	97
11) Tert butyl alcohol	3.07	59	72046	138.32	ug/l	99
12) 1,1-Dichloroethene	2.38	96	38166	21.46	ug/l	100
13) Acrolein	2.29	56	22578	88.91	ug/l	98
14) Allyl chloride	2.73	41	86573	22.43	ug/l	99
15) Acrylonitrile	3.15	53	153506	147.00	ug/l	100
16) Acetone	2.45	43	157521	145.30	ug/l	100
17) Carbon Disulfide	2.57	76	76288	16.28	ug/l	97
18) Methyl Acetate	2.78	43	75915	30.68	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	181467	28.26	ug/l	100
20) Methylene Chloride	2.86	84	54084	27.38	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	43231	22.04	ug/l	95
22) Diisopropyl ether	3.87	45	188231	28.56	ug/l	94
23) Vinyl Acetate	3.83	43	839533	134.19	ug/l	99
24) 1,1-Dichloroethane	3.70	63	93758	24.58	ug/l	99
25) 2-Butanone	4.71	43	195382	119.29	ug/l	99
26) 2,2-Dichloropropane	4.59	77	57706	19.35	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	47875	22.45	ug/l	96
28) Bromochloromethane	5.03	49	42159	24.15	ug/l	99
29) Tetrahydrofuran	5.17	42	122504	116.01	ug/l	99
30) Chloroform	5.22	83	85445	23.21	ug/l	96
31) Cyclohexane	5.58	56	58727	19.47	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	64508	20.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	51914	19.14	ug/l	98
37) Ethyl Acetate	4.86	43	75695	23.20	ug/l	100
38) Carbon Tetrachloride	5.79	117	54343	19.15	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 01:42:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59917	18.04	ug/l	97
40) Benzene	6.15	78	175873	21.14	ug/l	100
41) Methacrylonitrile	5.06	41	42805	22.92	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76846	23.25	ug/l	100
43) Isopropyl Acetate	6.47	43	122660	22.13	ug/l	100
44) Trichloroethene	7.21	130	48236	20.89	ug/l	91
45) 1,2-Dichloropropane	7.52	63	50799	22.62	ug/l	99
46) Dibromomethane	7.67	93	34853	22.89	ug/l	97
47) Bromodichloromethane	7.90	83	60775	22.07	ug/l	96
48) Methyl methacrylate	7.78	41	64842	23.29	ug/l	99
49) 1,4-Dioxane	7.76	88	24405	468.90	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	413500	119.82	ug/l	99
52) Toluene	8.79	92	114385	21.62	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	71366	21.61	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	65577	21.05	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	52256	24.01	ug/l	98
56) Ethyl methacrylate	9.18	69	79092	22.77	ug/l	98
57) 1,3-Dichloropropane	9.38	76	87183	23.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	164145	102.08	ug/l	99
59) 2-Hexanone	9.50	43	317745	119.20	ug/l	99
60) Dibromochloromethane	9.59	129	48280	22.06	ug/l	99
61) 1,2-Dibromoethane	9.68	107	52976	23.35	ug/l	99
64) Tetrachloroethene	9.34	164	53812	19.99	ug/l	98
65) Chlorobenzene	10.14	112	138679	21.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	49691	21.13	ug/l	99
67) Ethyl Benzene	10.26	91	222031	20.43	ug/l	99
68) m/p-Xylenes	10.36	106	172865	40.91	ug/l	99
69) o-Xylene	10.70	106	86417	20.55	ug/l	99
70) Styrene	10.71	104	146946	21.38	ug/l	99
71) Bromoform	10.86	173	35921	19.33	ug/l #	98
73) Isopropylbenzene	11.02	105	223919	19.54	ug/l	100
74) N-amyl acetate	6.47	43	122660	19.87	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	77778	21.58	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	88095	24.37	ug/l	80
77) Bromobenzene	11.26	156	66113	20.55	ug/l	98
78) n-propylbenzene	11.37	91	258818	20.32	ug/l	100
79) 2-Chlorotoluene	11.43	91	161569	20.09	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	194862	19.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17717	17.18	ug/l #	84
82) 4-Chlorotoluene	11.51	91	190459	20.52	ug/l	99
83) tert-Butylbenzene	11.77	119	185734	19.41	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	206147	20.38	ug/l	99
85) sec-Butylbenzene	11.95	105	225768	20.12	ug/l	100
86) p-Isopropyltoluene	12.07	119	206512	20.21	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	120569	20.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	123996	20.91	ug/l	100
89) n-Butylbenzene	12.39	91	178558	20.83	ug/l	99
90) Hexachloroethane	12.60	117	27991	17.16	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	125944	21.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15737	19.97	ug/l	99

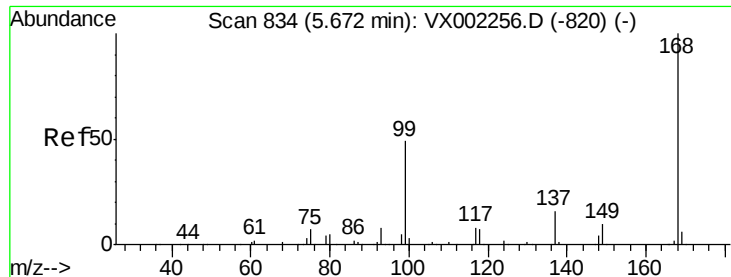
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061318\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	90778	21.75	ug/l	99
94) Hexachlorobutadiene	13.79	225	41728	20.24	ug/l	97
95) Naphthalene	13.84	128	261253	21.79	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	92849	21.82	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

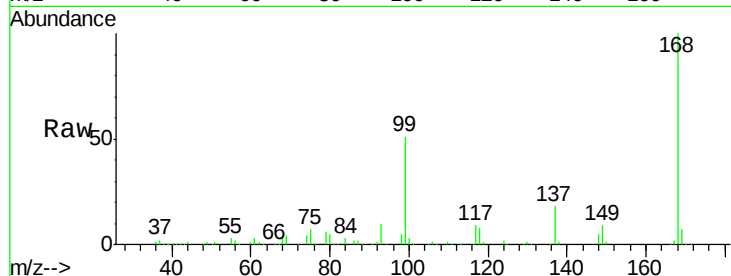
ClientSampleId :

Tot Ion:168 Resp: 167045

Ion Ratio Lower Upper

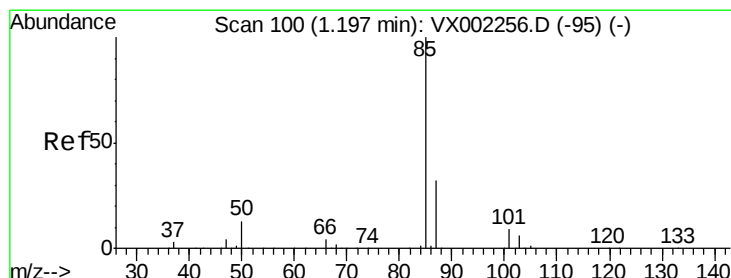
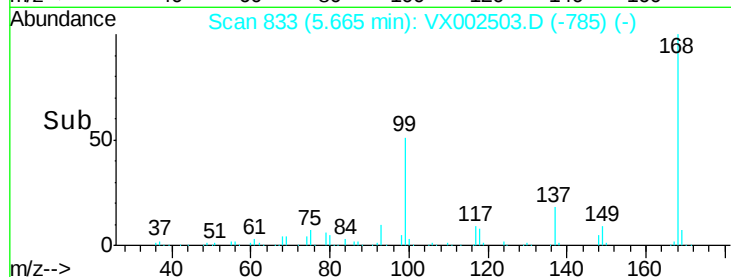
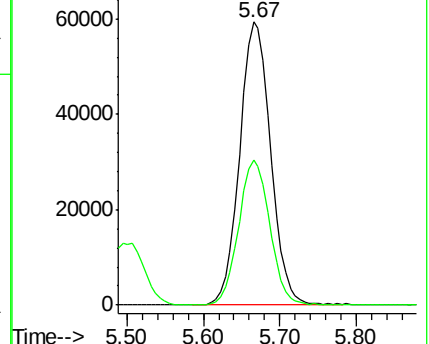
168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.25 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002503.D

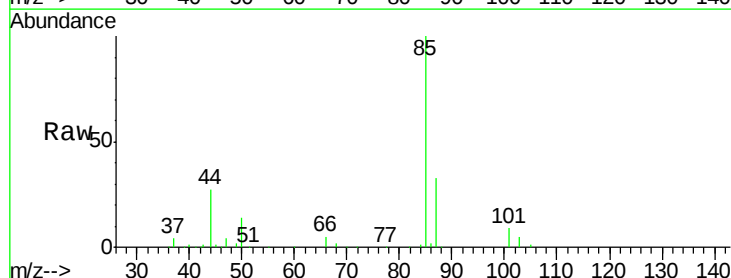
Acq: 13 Jun 2018 11:31

Tgt Ion: 85 Resp: 33436

Ion Ratio Lower Upper

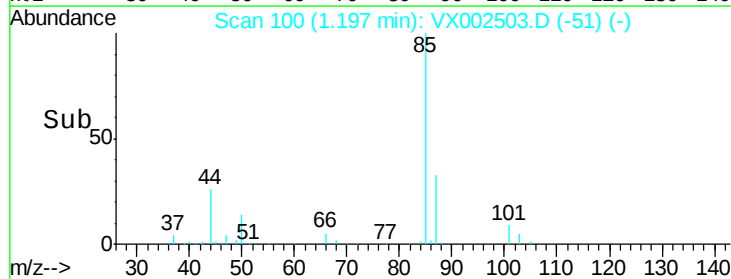
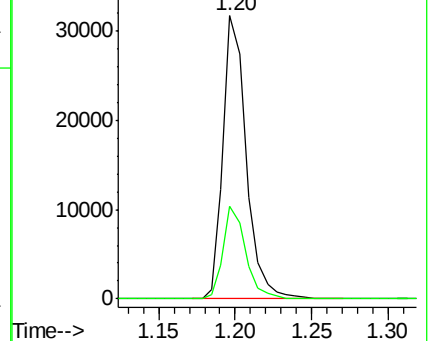
85 100

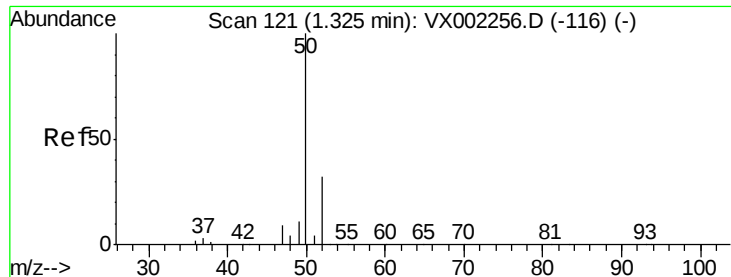
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.83 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

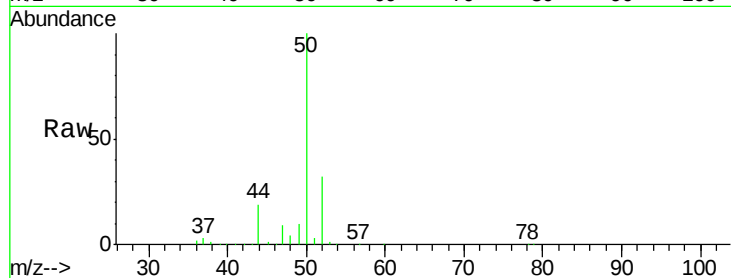
ClientSampleId :

Tot Ion: 50 Resp: 42897

Ion Ratio Lower Upper

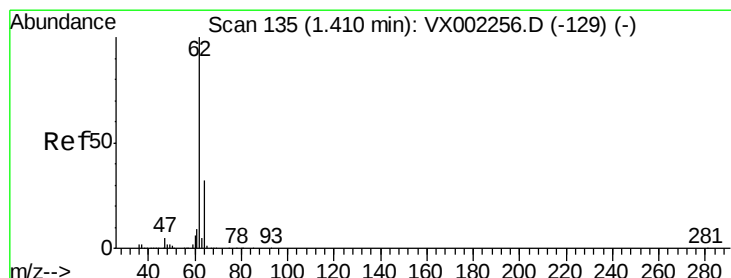
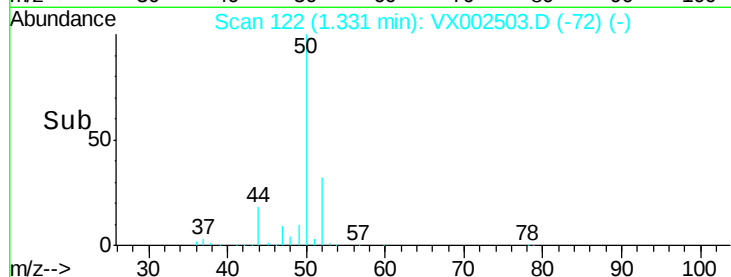
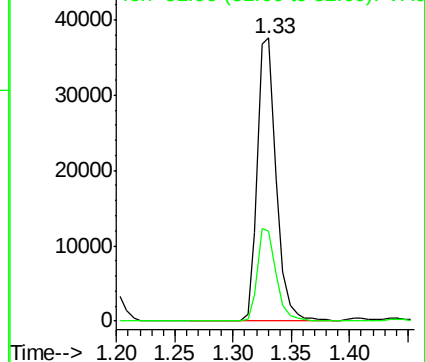
50 100

52 32.0 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: 20.30 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002503.D

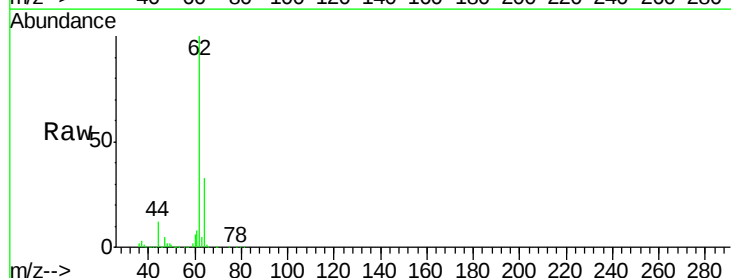
Acq: 13 Jun 2018 11:31

Tgt Ion: 62 Resp: 44433

Ion Ratio Lower Upper

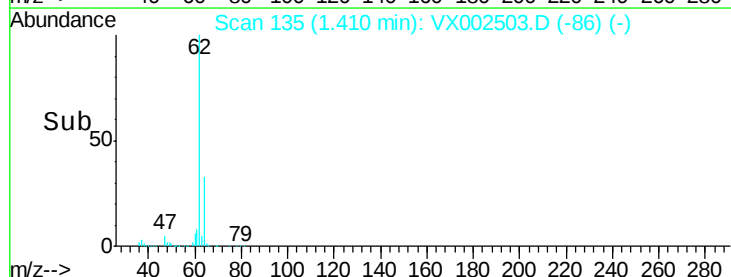
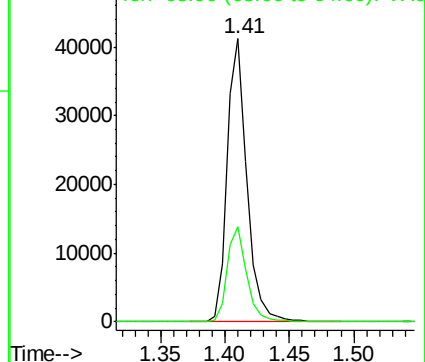
62 100

64 33.5 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: 20.64 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

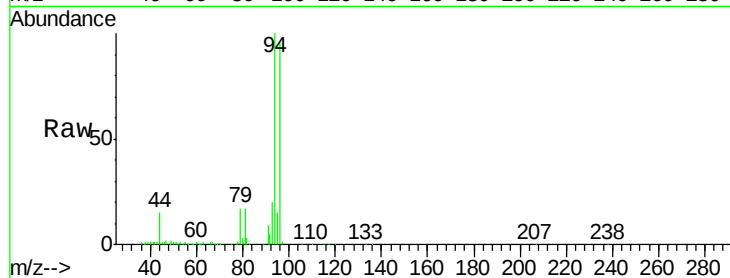
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 27985

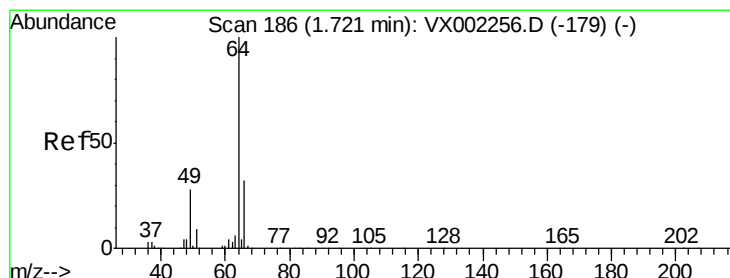
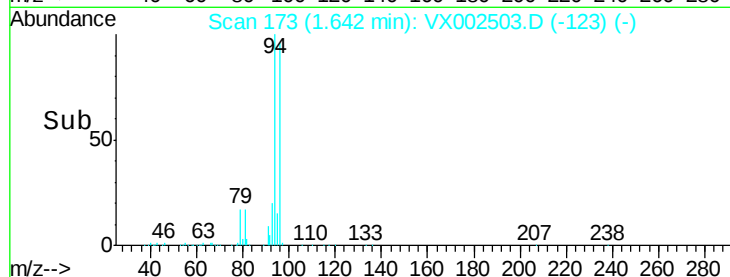
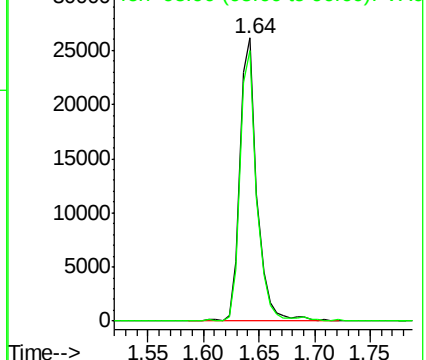
Ion Ratio Lower Upper

94 100

96 95.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.22 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002503.D

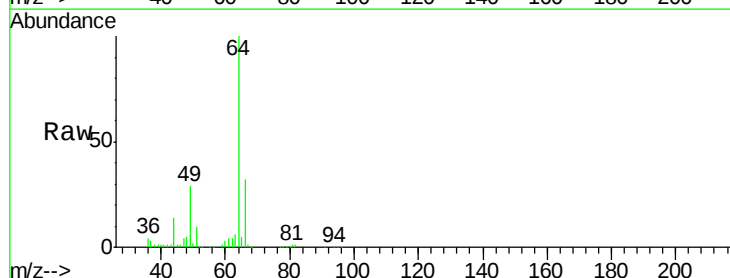
Acq: 13 Jun 2018 11:31

Tgt Ion: 64 Resp: 31461

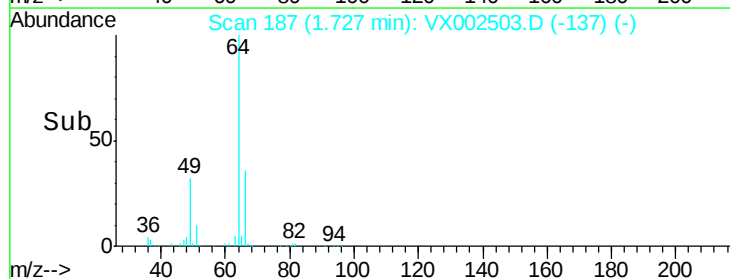
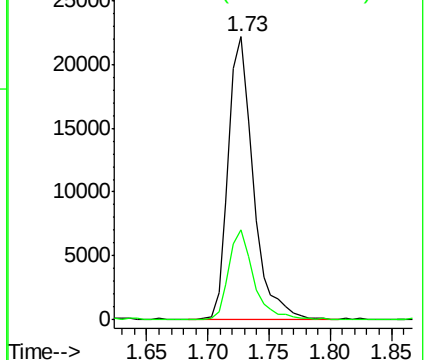
Ion Ratio Lower Upper

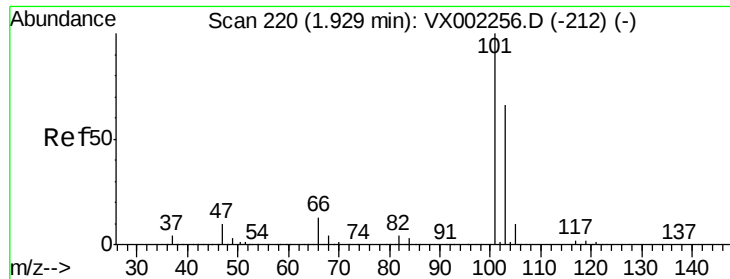
64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



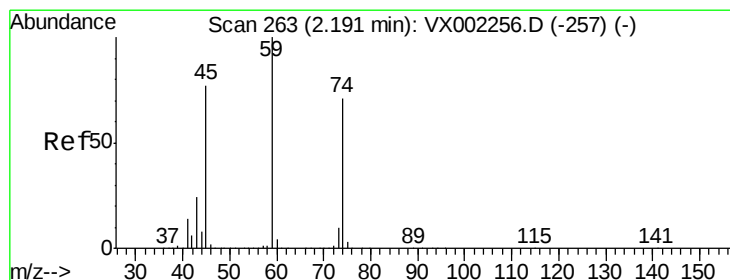
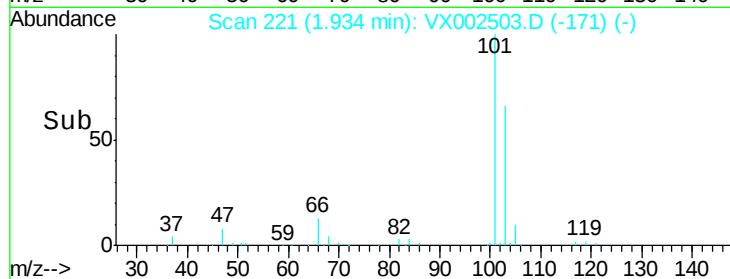
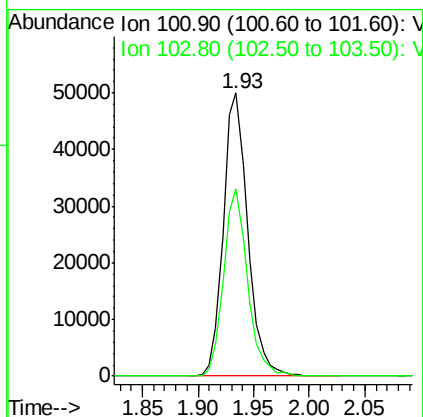
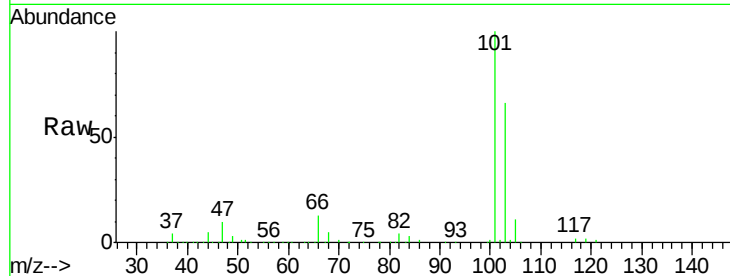


#7

Trichlorofluoromethane
Concen: 22.78 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampled :

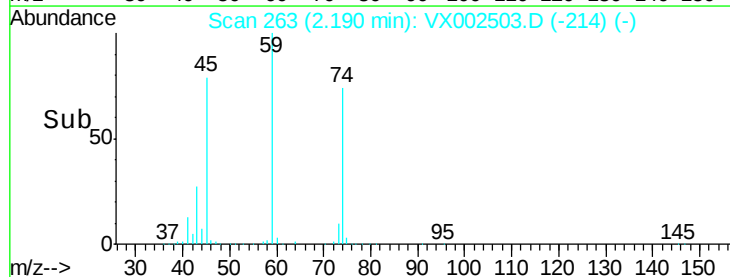
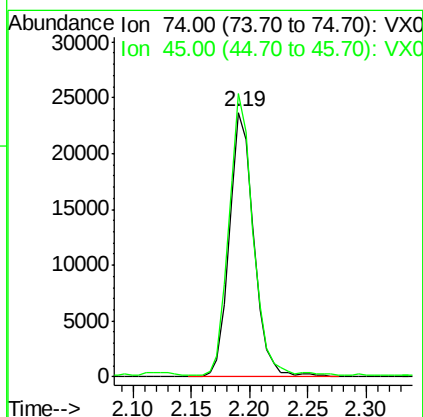
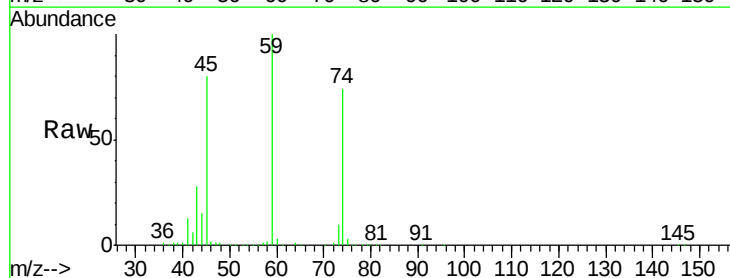
Tot Ion:101 Resp: 75950
Ion Ratio Lower Upper
101 100
103 66.3 52.8 79.2

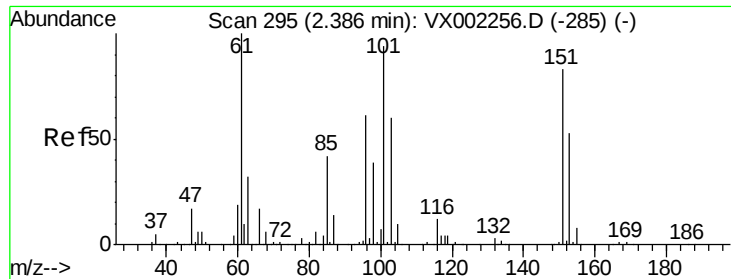


#8

Diethyl Ether
Concen: 28.24 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 74 Resp: 34698
Ion Ratio Lower Upper
74 100
45 105.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.76 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX002503.D

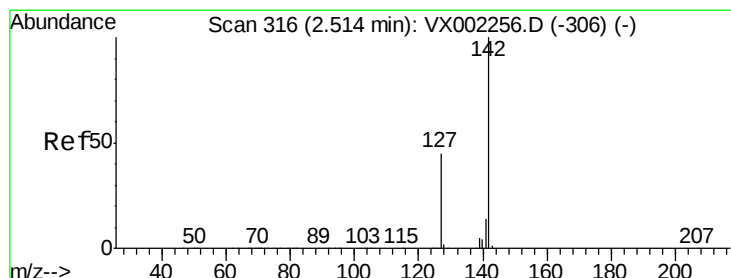
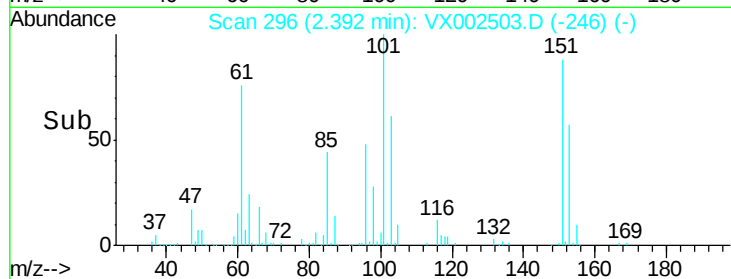
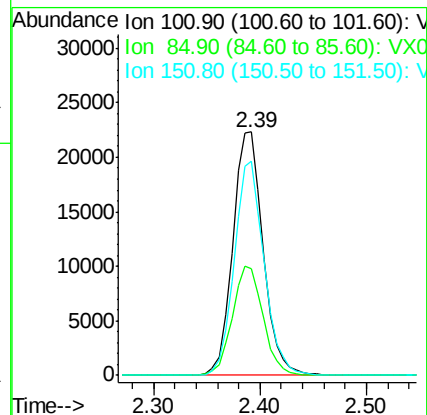
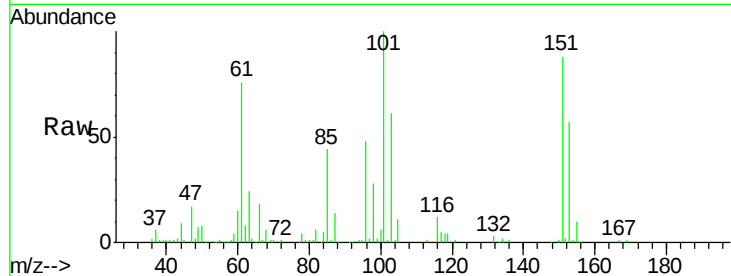
Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	44551
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.0	54.0
151	86.6	70.9	106.3



#10

Methyl Iodide

Concen: 14.35 ug/l

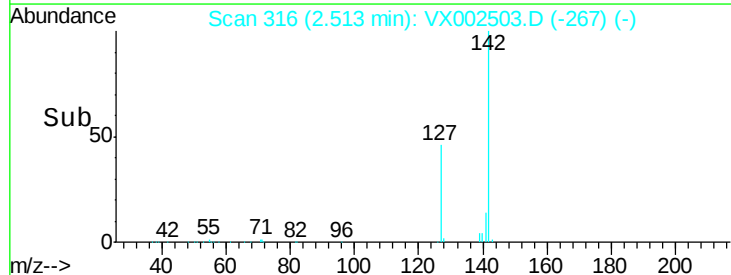
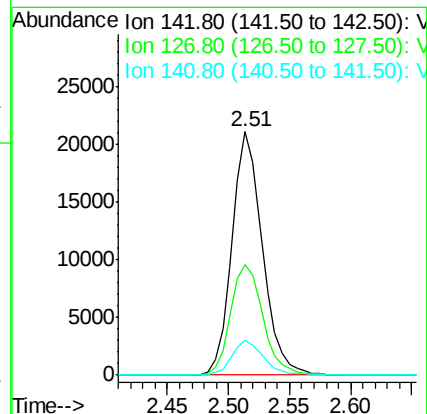
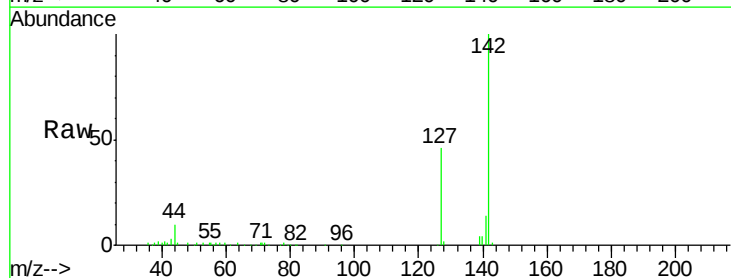
RT: 2.51 min Scan# 316

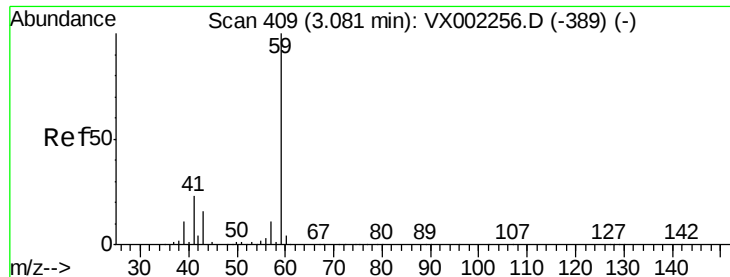
Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	142	Resp:	36322
Ion	Ratio	Lower	Upper
142	100		
127	48.1	36.6	55.0
141	14.9	11.3	16.9

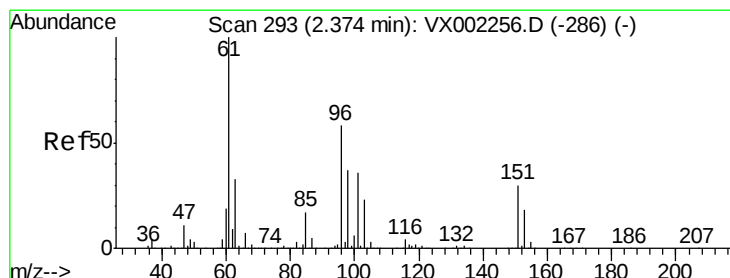
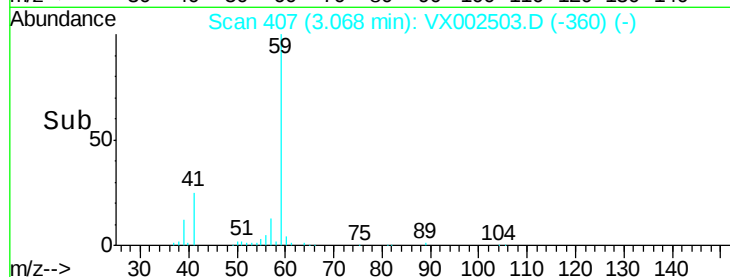
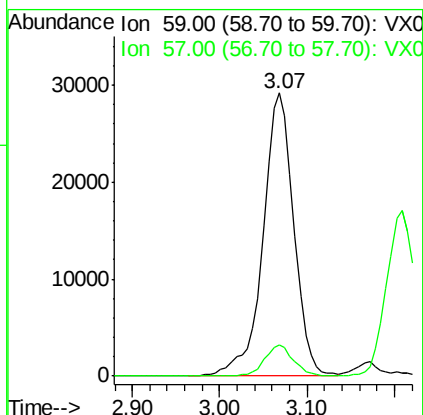
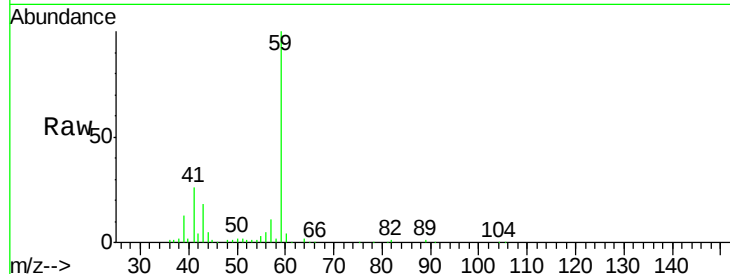




#11
Tert butyl alcohol
Concen: 138.32 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

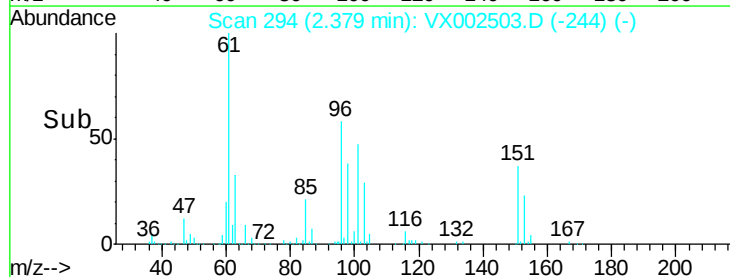
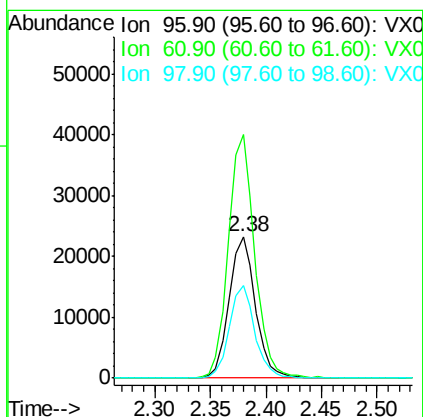
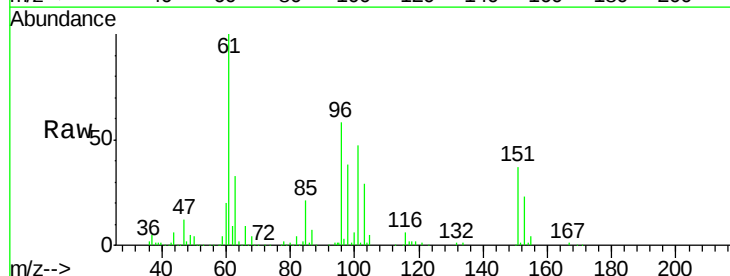
Instrument :
MSVOA_X
ClientSampleId :

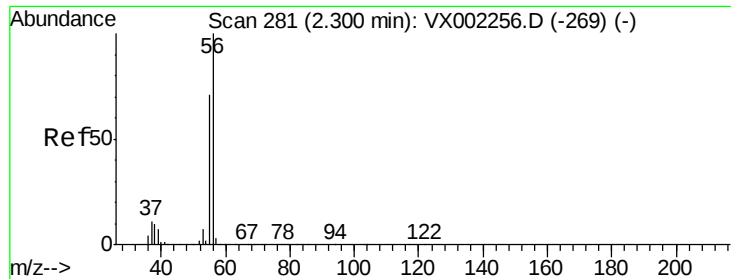
Tot Ion: 59 Resp: 72046
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 21.46 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 96 Resp: 38166
Ion Ratio Lower Upper
96 100
61 172.4 137.9 206.9
98 65.5 51.6 77.4





#13

Acrolein

Concen: 88.91 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

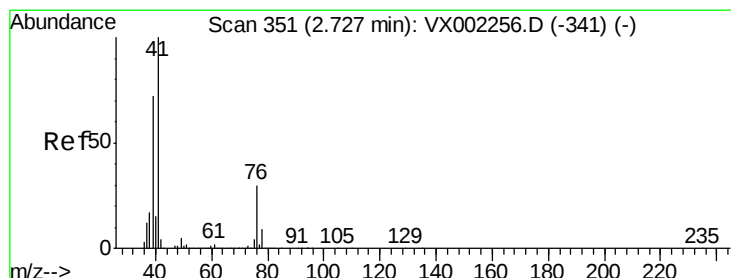
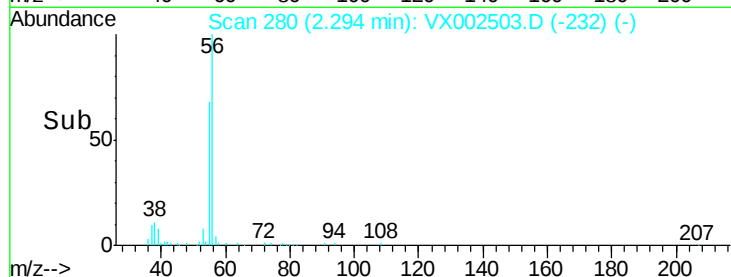
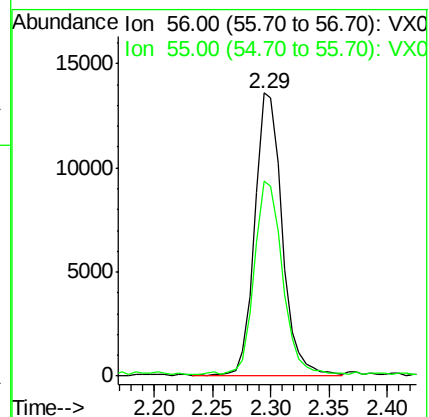
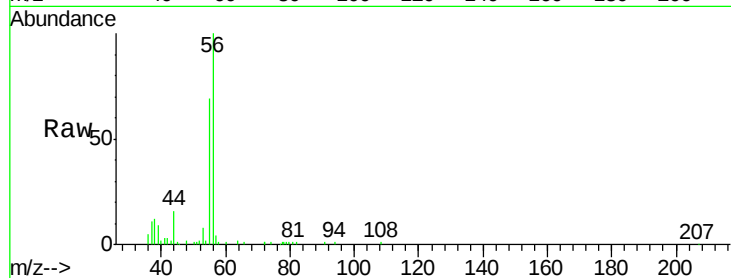
ClientSampleId :

Tot Ion: 56 Resp: 22578

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.4



#14

Allyl chloride

Concen: 22.43 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

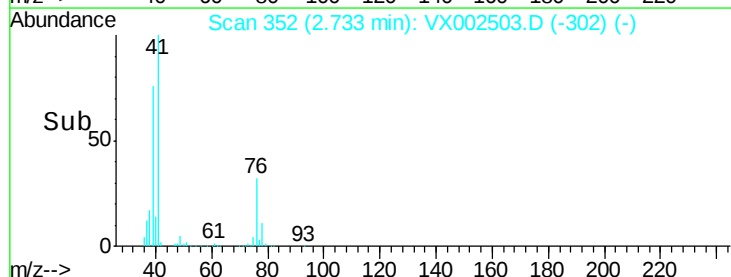
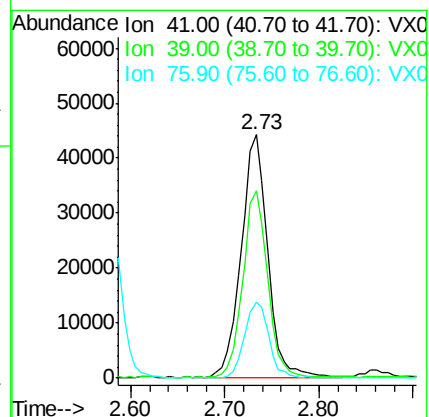
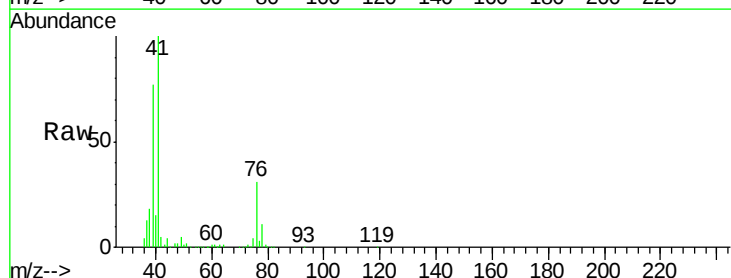
Tgt Ion: 41 Resp: 86573

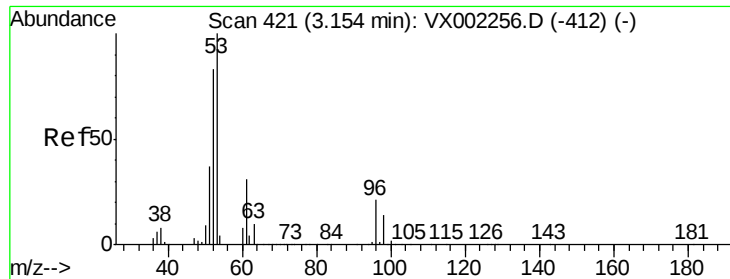
Ion Ratio Lower Upper

41 100

39 71.5 56.8 85.2

76 29.1 23.8 35.8





#15

Acrylonitrile

Concen: 147.00 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :

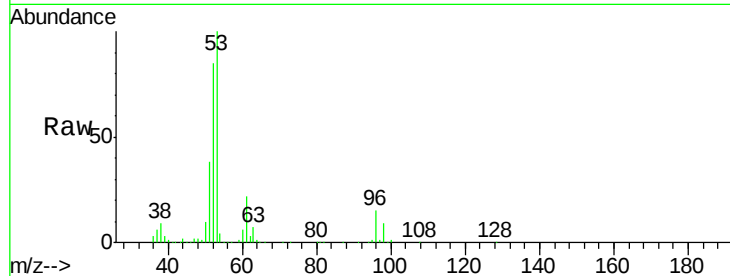
Tot Ion: 53 Resp: 153506

Ion Ratio Lower Upper

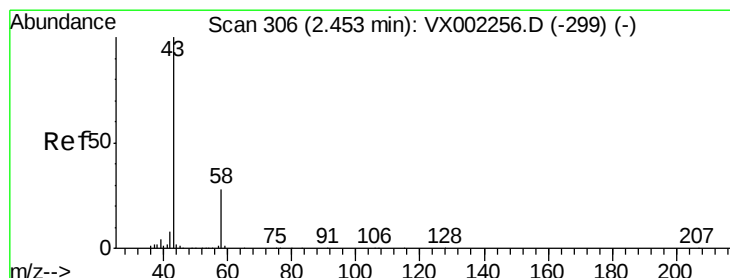
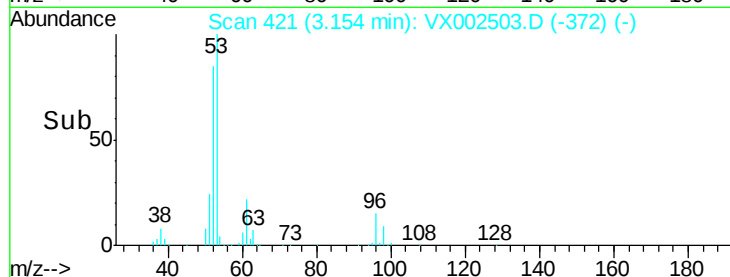
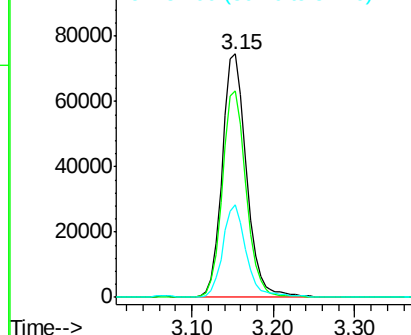
53 100

52 83.7 66.7 100.1

51 37.2 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: 145.30 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002503.D

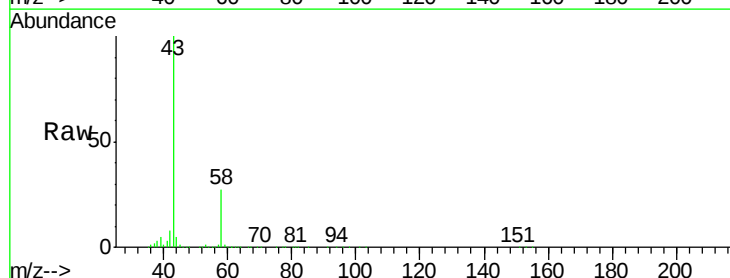
Acq: 13 Jun 2018 11:31

Tgt Ion: 43 Resp: 157521

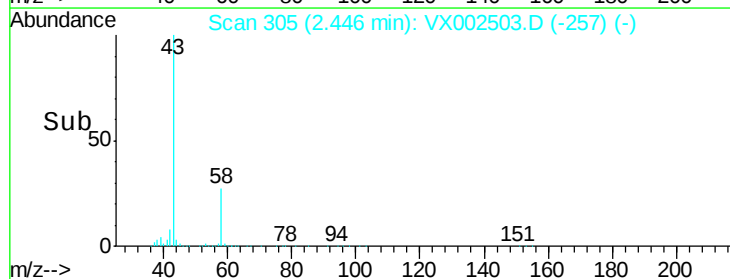
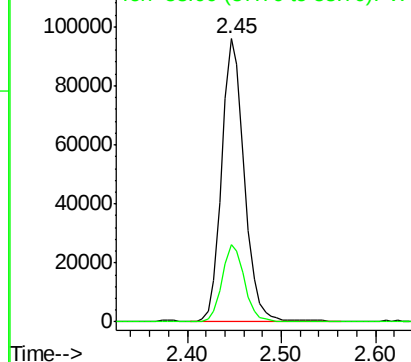
Ion Ratio Lower Upper

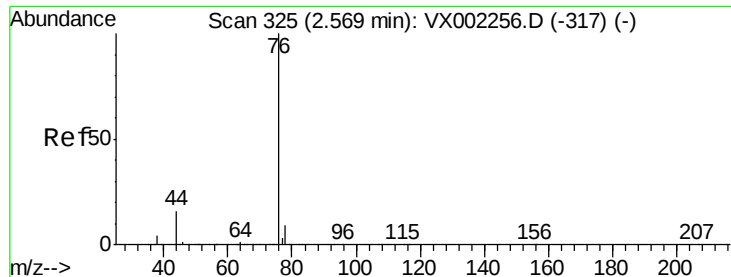
43 100

58 27.4 22.1 33.1



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

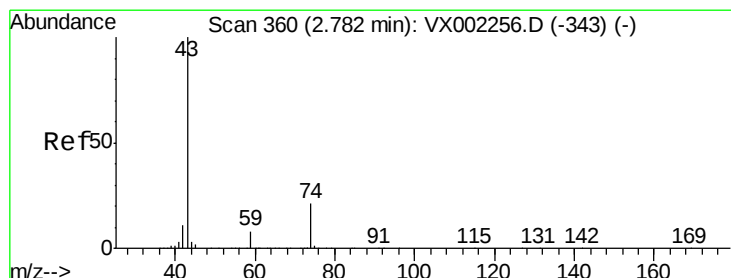
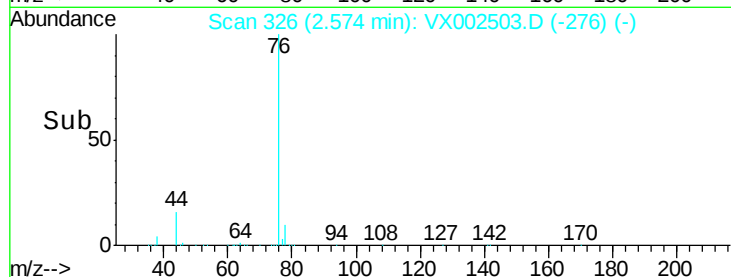
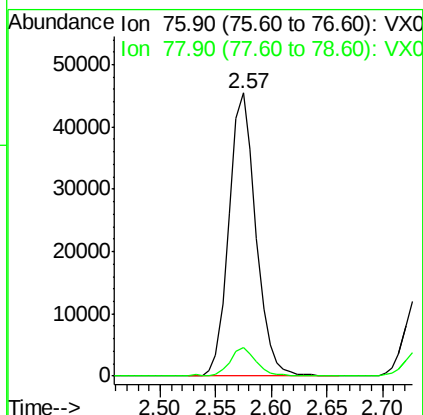
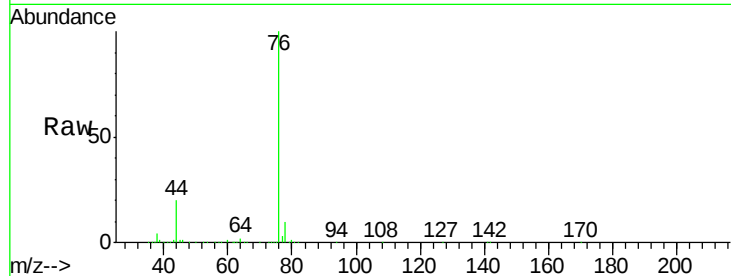




#17
Carbon Disulfide
Concen: 16.28 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

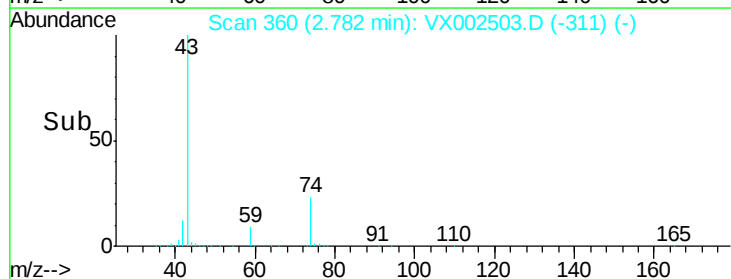
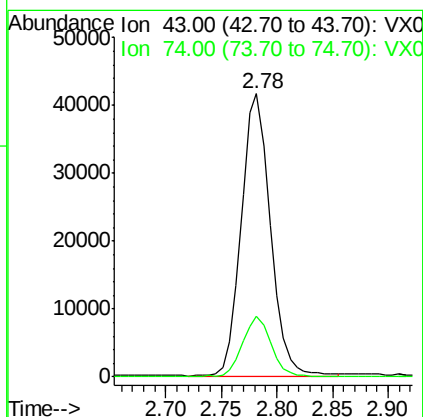
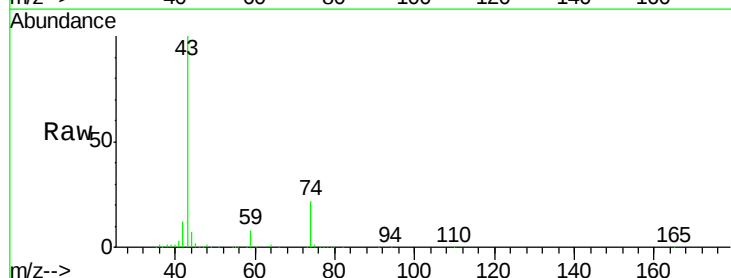
Instrument :
MSVOA_X
ClientSampled :

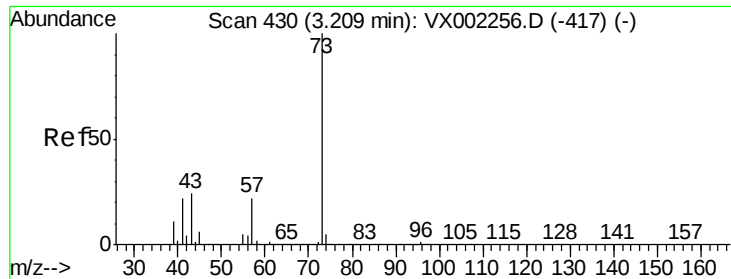
Tot Ion: 76 Resp: 76288
Ion Ratio Lower Upper
76 100
78 9.8 6.9 10.3



#18
Methyl Acetate
Concen: 30.68 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 43 Resp: 75915
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1

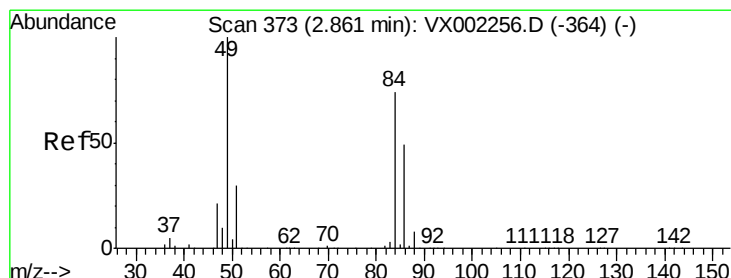
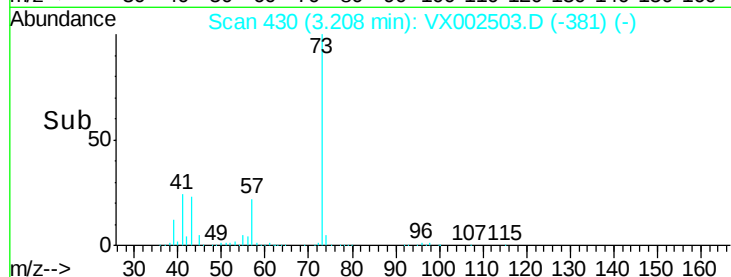
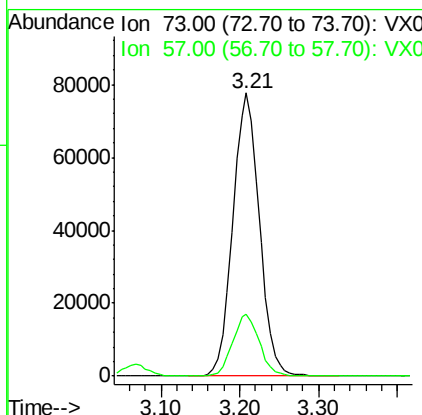
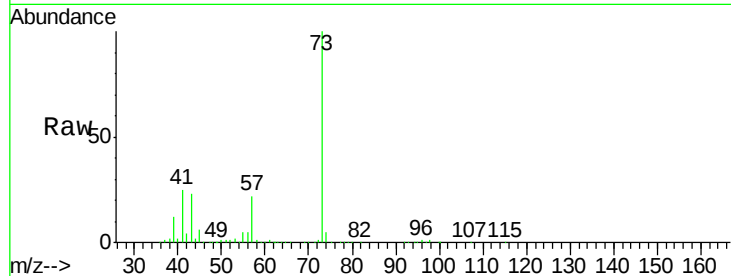




#19
Methyl tert-butyl Ether
Concen: 28.26 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

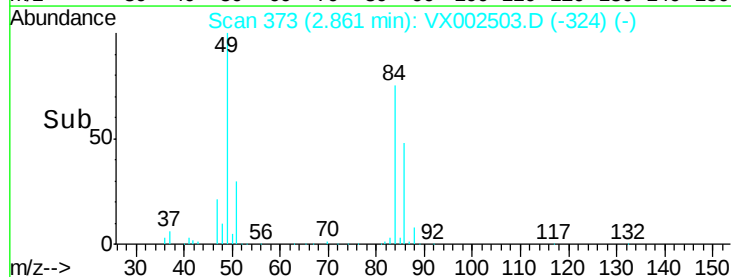
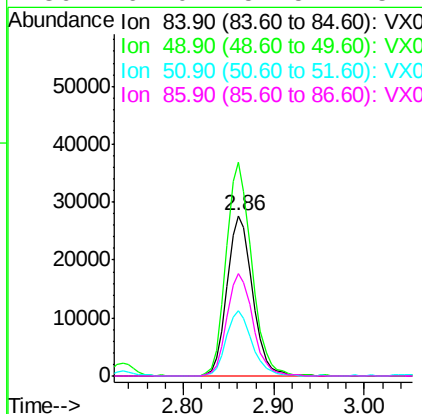
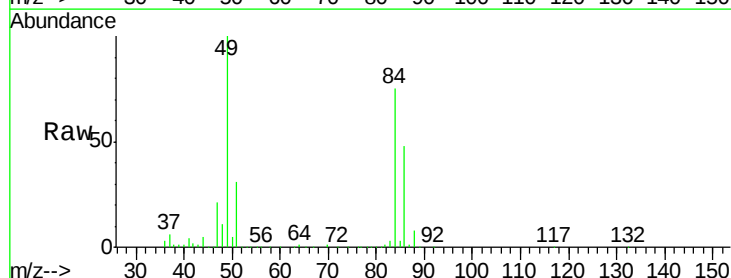
Instrument :
MSVOA_X
ClientSampled :

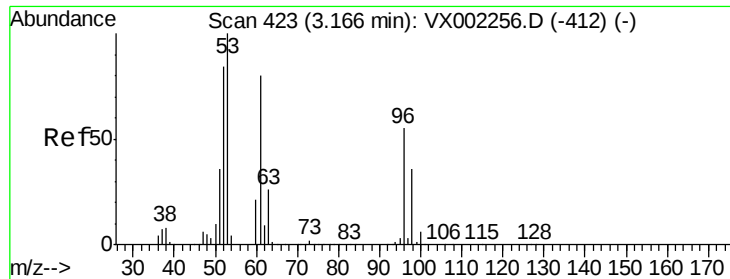
Tot Ion: 73 Resp: 181467
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5



#20
Methylene Chloride
Concen: 27.38 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 84 Resp: 54084
Ion Ratio Lower Upper
84 100
49 133.2 107.8 161.6
51 40.6 32.8 49.2
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 22.04 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

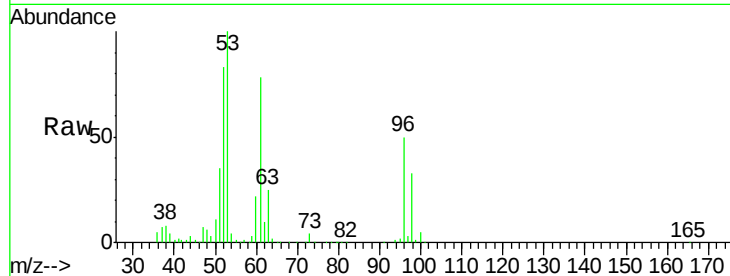
Tot Ion: 96 Resp: 43231

Ion Ratio Lower Upper

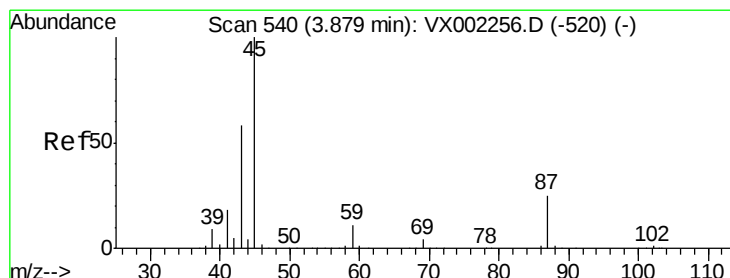
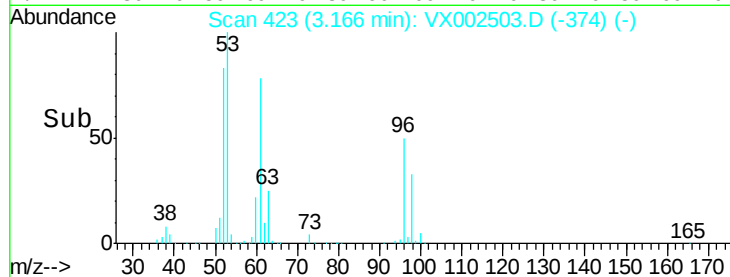
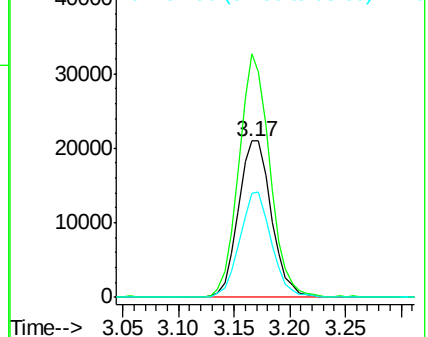
96 100

61 155.6 117.0 175.4

98 66.2 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: 28.56 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion: 45 Resp: 188231

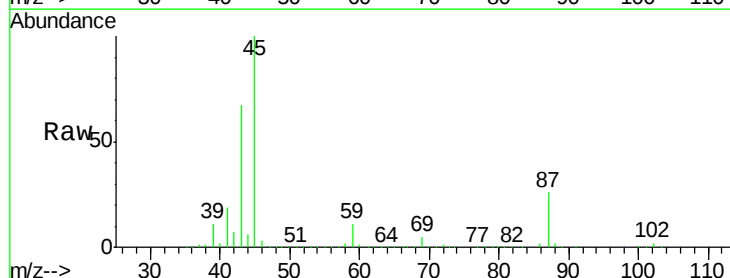
Ion Ratio Lower Upper

45 100

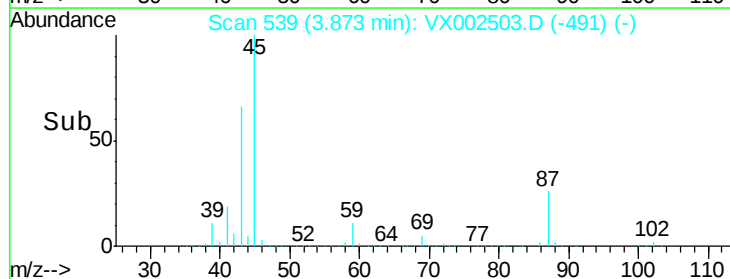
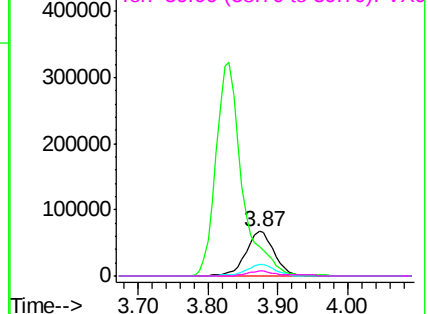
43 65.9 46.8 70.2

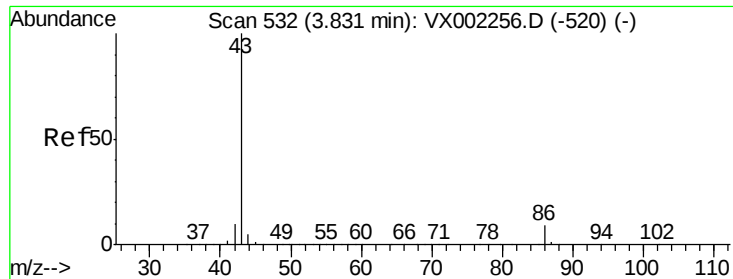
87 25.6 20.2 30.4

59 11.1 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: 134.19 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

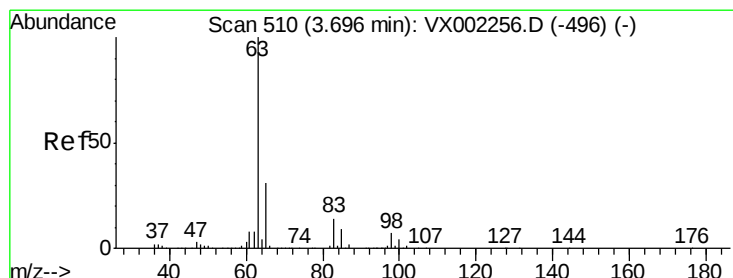
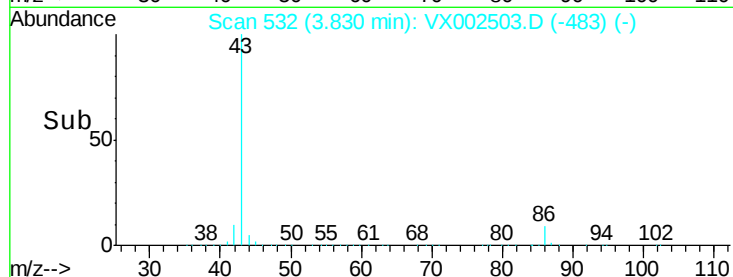
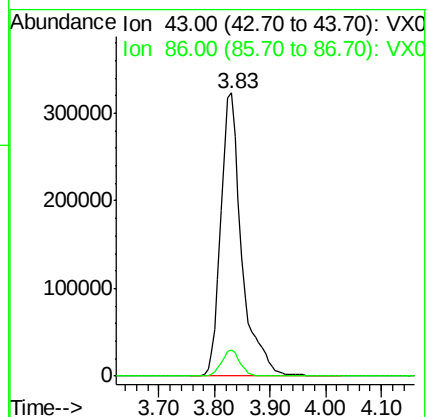
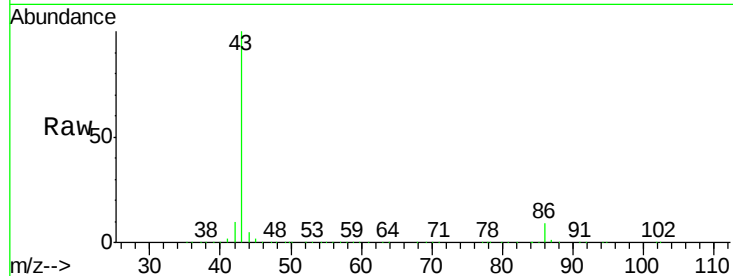
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 839533

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



#24

1,1-Dichloroethane

Concen: 24.58 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

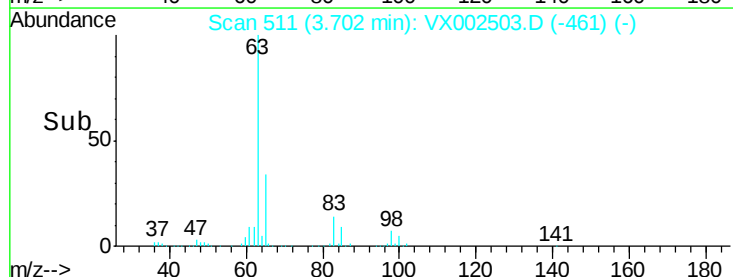
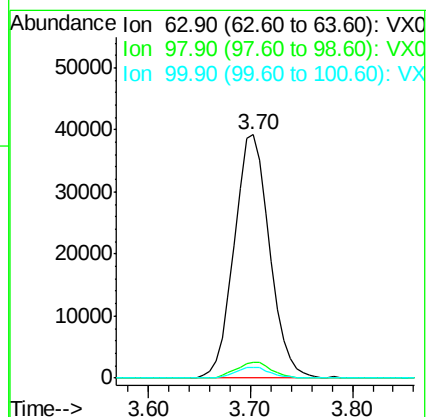
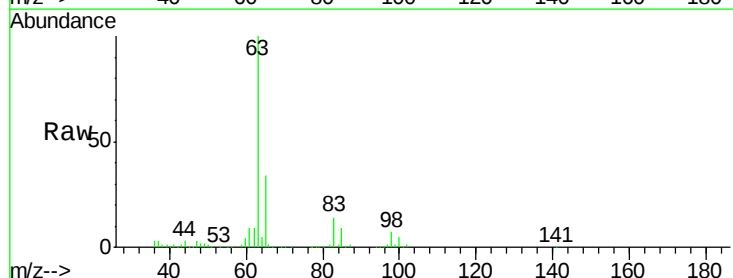
Tgt Ion: 63 Resp: 93758

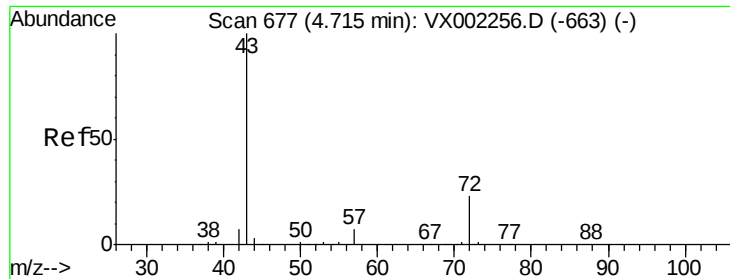
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 119.29 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

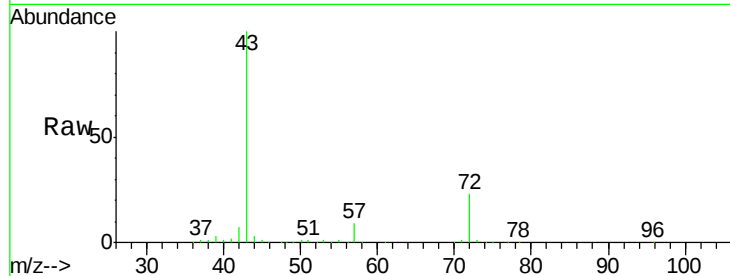
ClientSampleId :

Tot Ion: 43 Resp: 195382

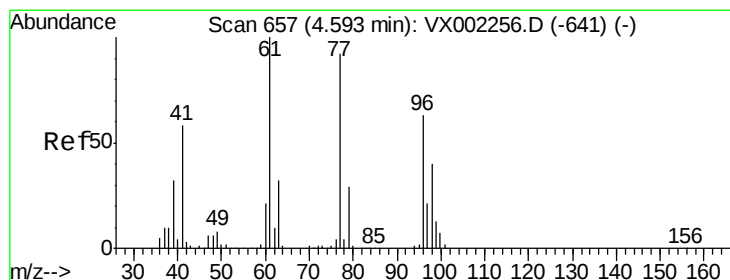
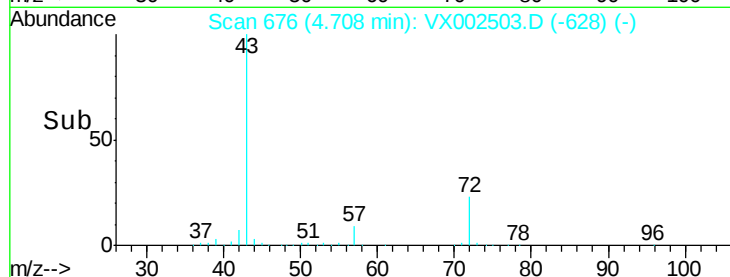
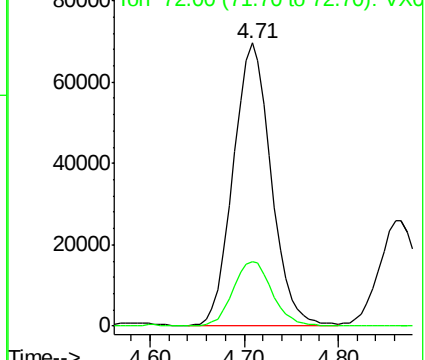
Ion Ratio Lower Upper

43 100

72 22.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX002256.D (-663) (-)



#26

2,2-Dichloropropane

Concen: 19.35 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002503.D

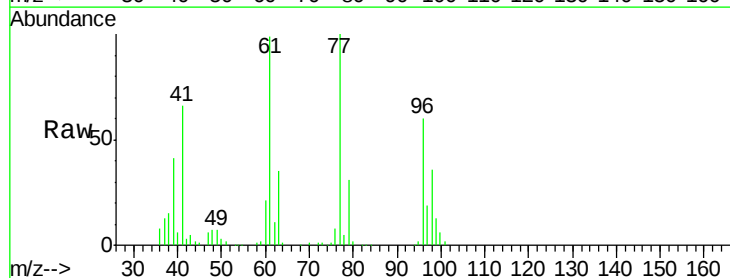
Acq: 13 Jun 2018 11:31

Tgt Ion: 77 Resp: 57706

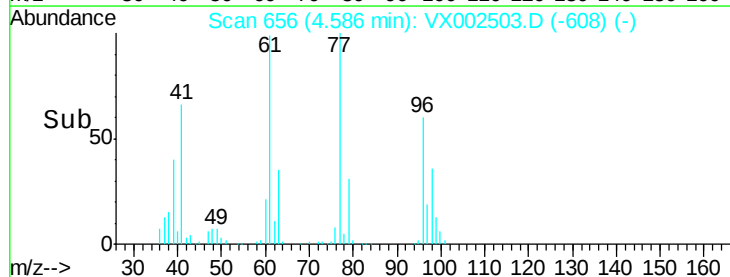
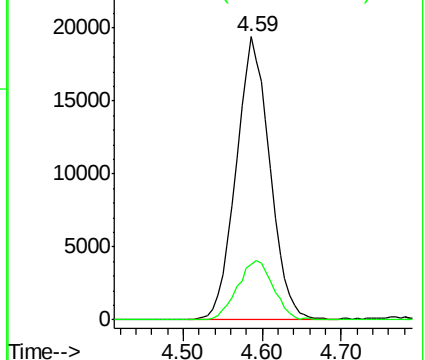
Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX002256.D (-641) (-)





#27

cis-1,2-Dichloroethene

Concen: 22.45 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

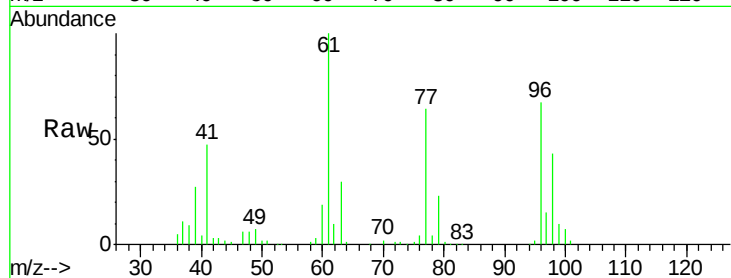
Tot Ion: 96 Resp: 47875

Ion Ratio Lower Upper

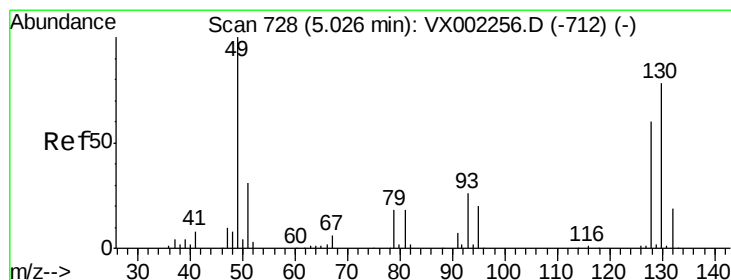
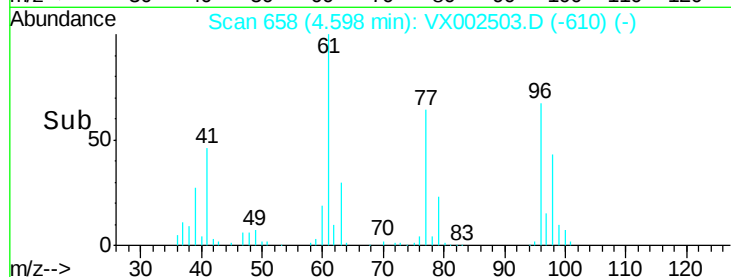
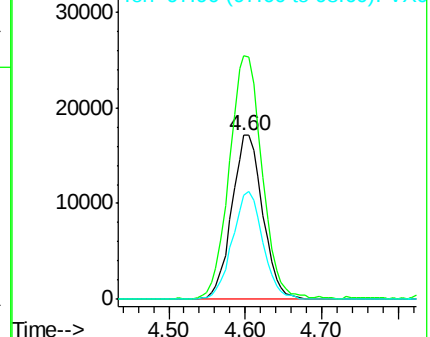
96 100

61 158.3 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: 24.15 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

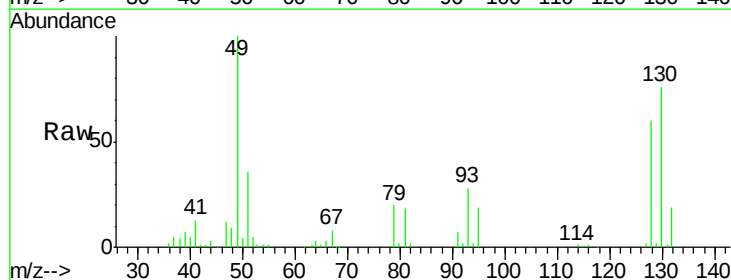
Tgt Ion: 49 Resp: 42159

Ion Ratio Lower Upper

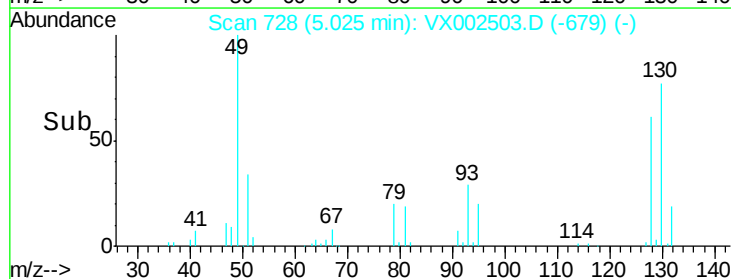
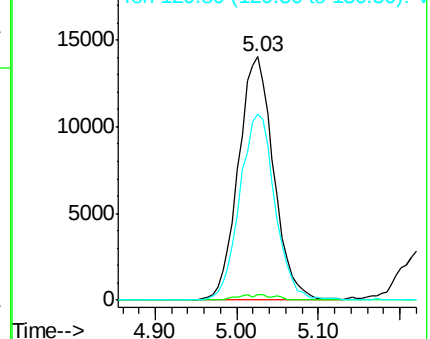
49 100

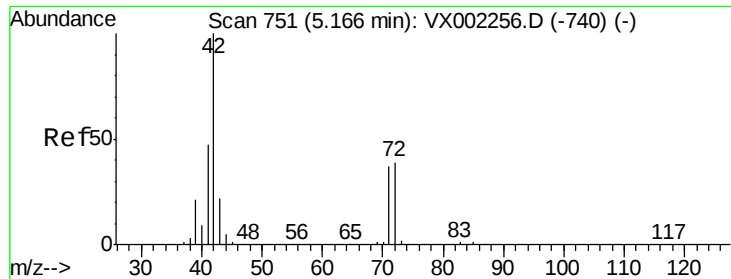
129 1.1 0.0 4.2

130 76.0 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

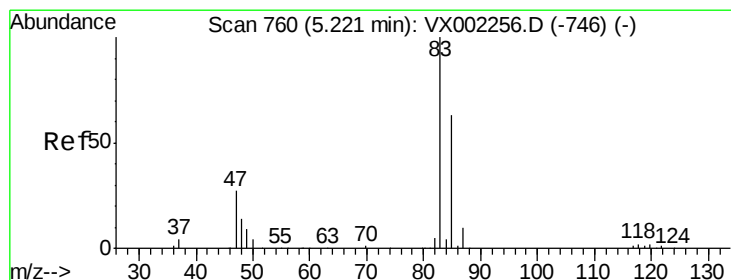
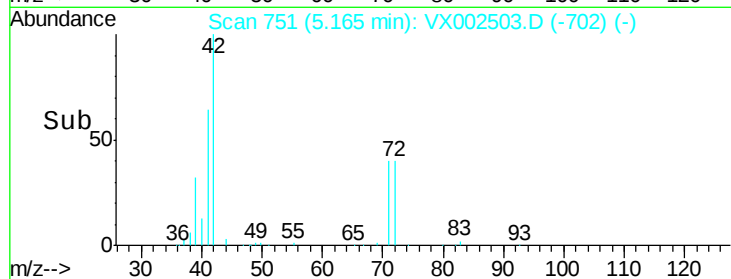
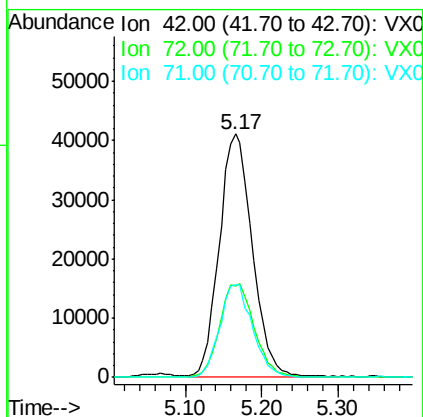
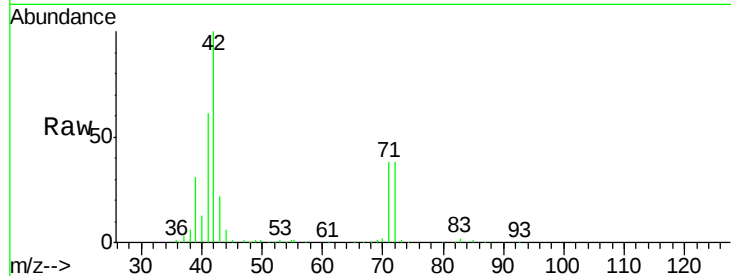




#29
Tetrahydrofuran
Concen: 116.01 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

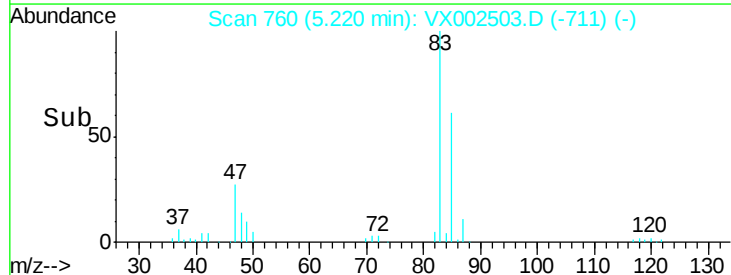
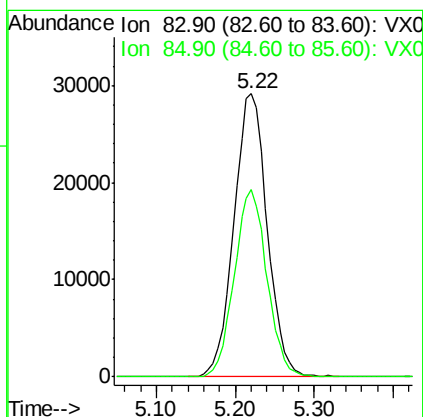
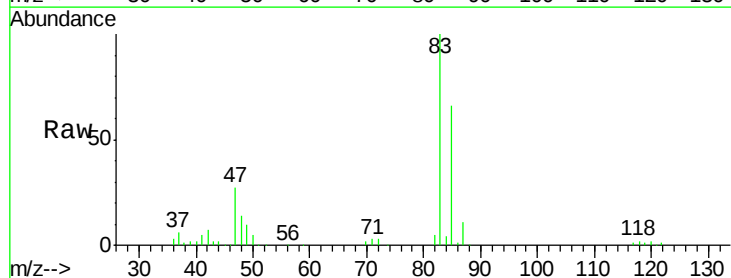
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 122504
Ion Ratio Lower Upper
42 100
72 40.5 32.0 48.0
71 38.1 30.1 45.1



#30
Chloroform
Concen: 23.21 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 83 Resp: 85445
Ion Ratio Lower Upper
83 100
85 66.3 50.4 75.6





#31

Cyclohexane

Concen: 19.47 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

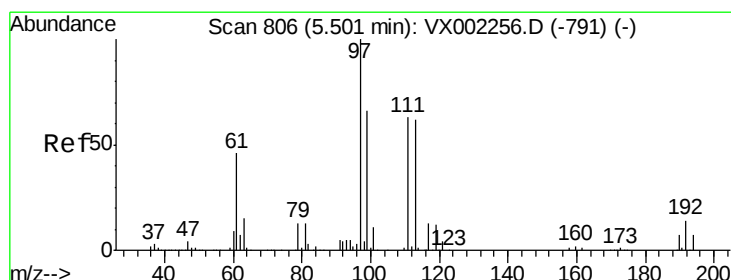
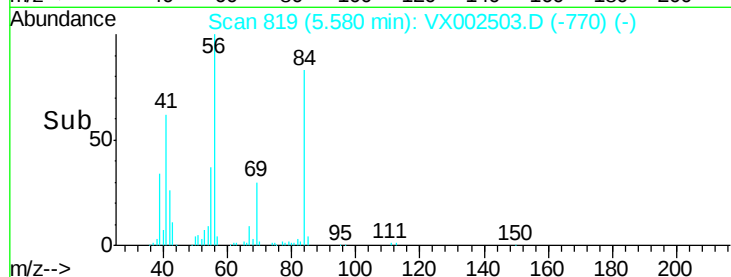
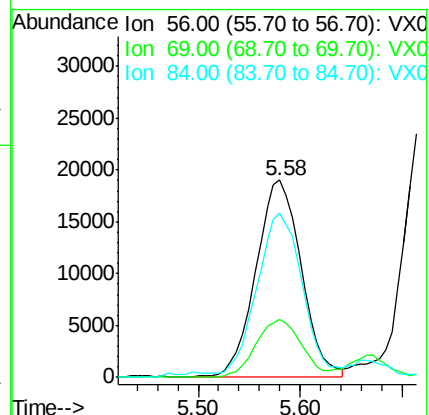
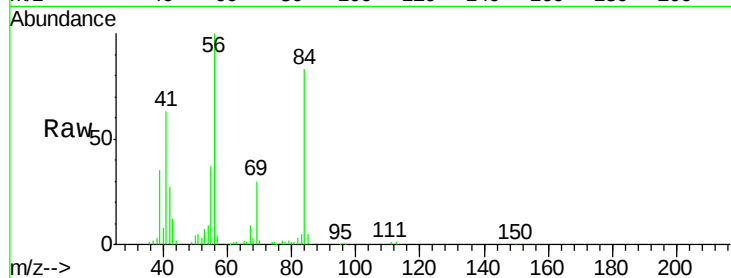
Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 58727

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	80.3	64.1	96.1



#32

1,1,1-Trichloroethane

Concen: 20.67 ug/l

RT: 5.51 min Scan# 807

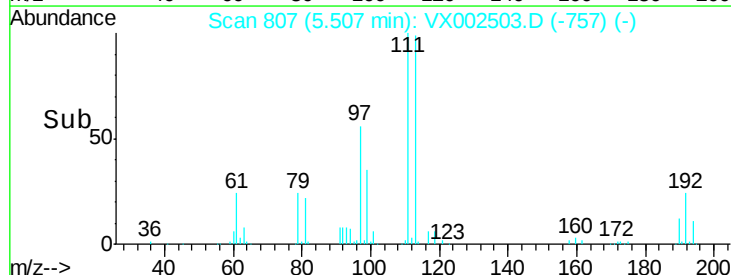
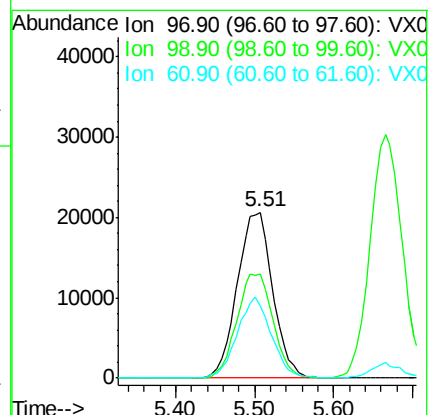
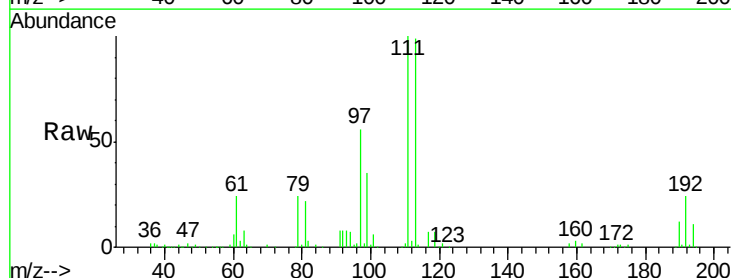
Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion: 97 Resp: 64508

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	47.0	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 60.10 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

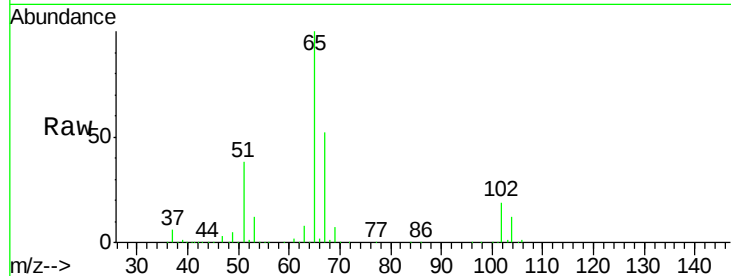
ClientSampled :

Tot Ion: 65 Resp: 141889

Ion Ratio Lower Upper

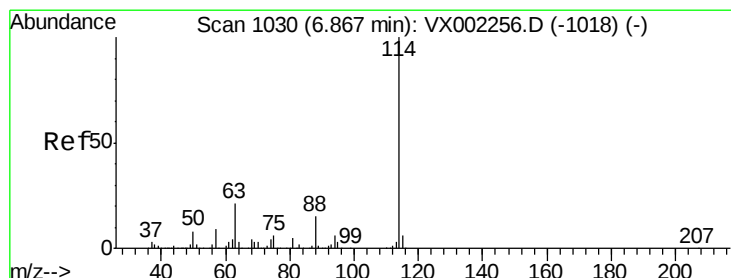
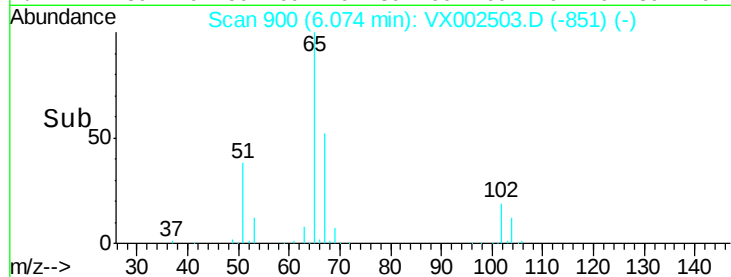
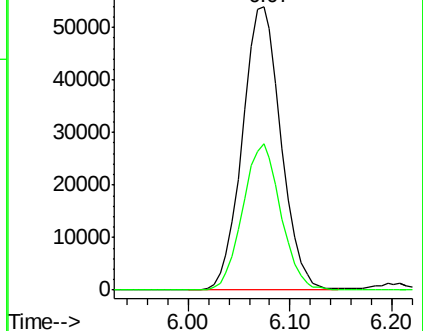
65 100

67 50.9 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: VX002503.D

Acq: 13 Jun 2018 11:31

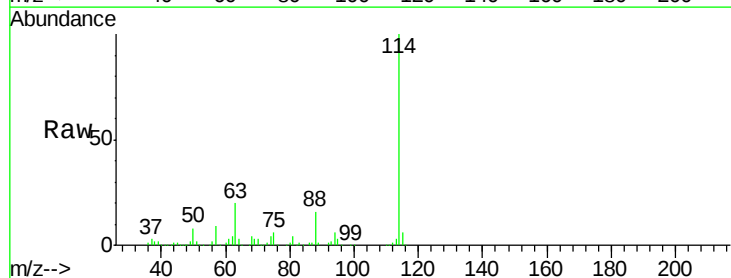
Tgt Ion: 114 Resp: 258065

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

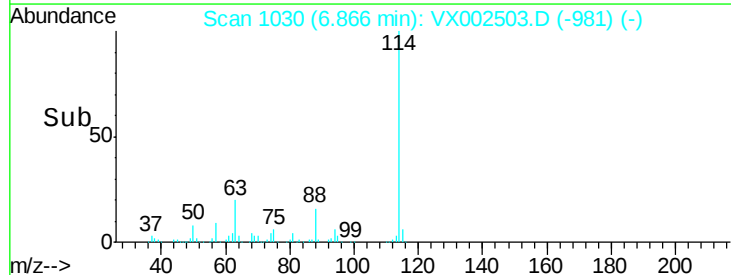
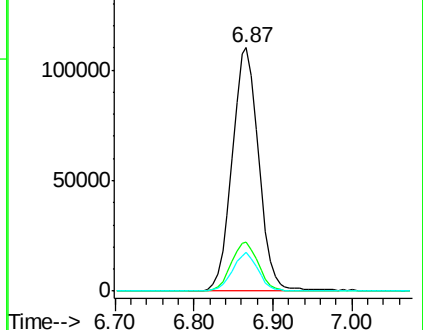
88 15.9 0.0 30.0

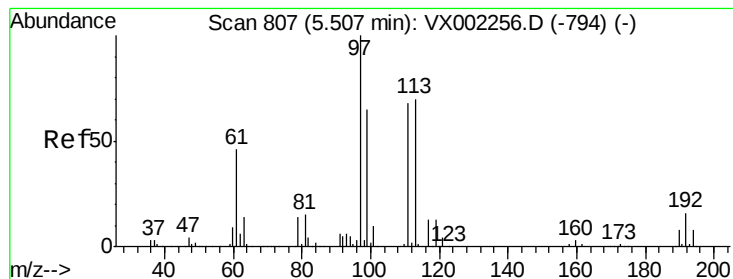


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.99 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

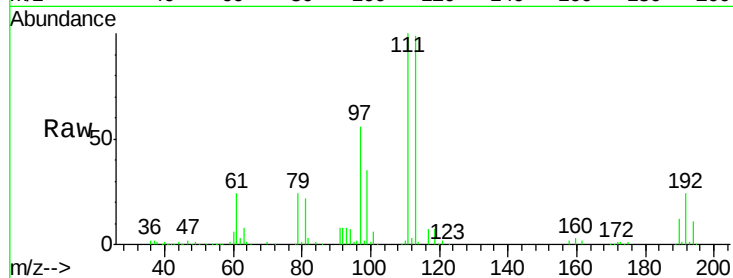
Tot Ion:113 Resp: 103472

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

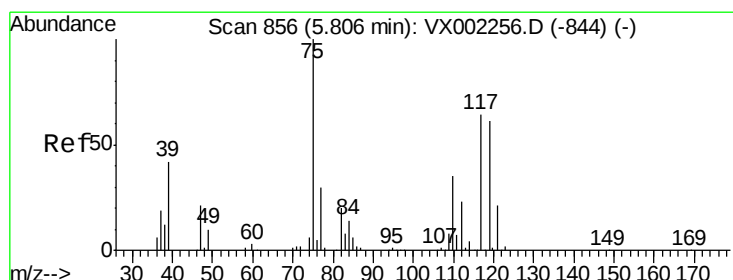
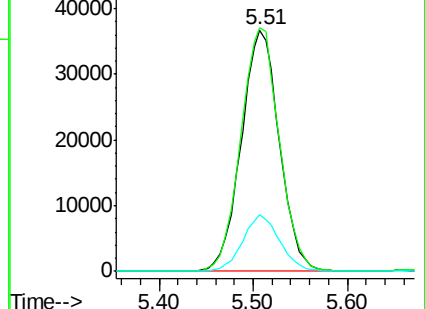
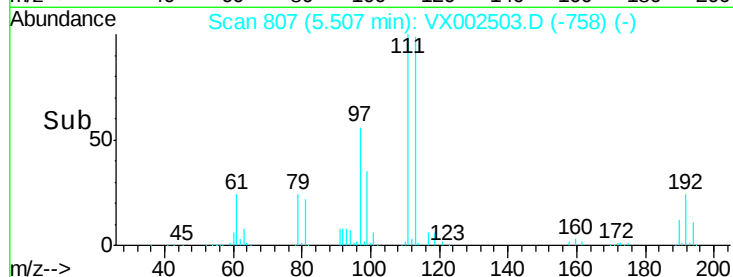
192 22.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.14 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

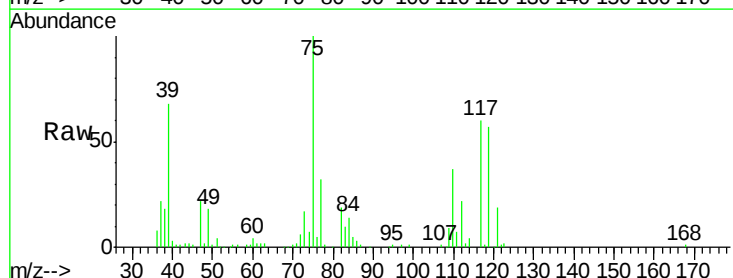
Tgt Ion: 75 Resp: 51914

Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.4

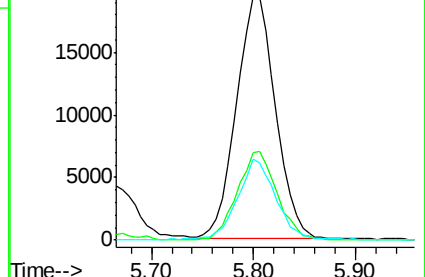
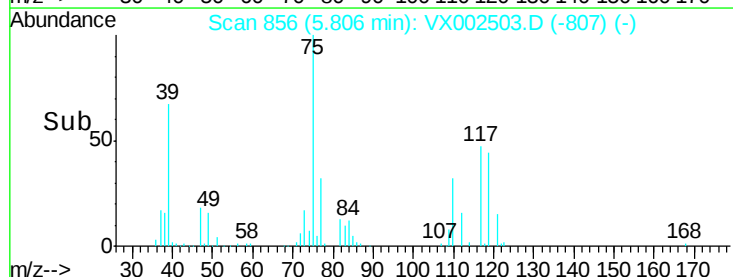
77 32.6 24.3 36.5

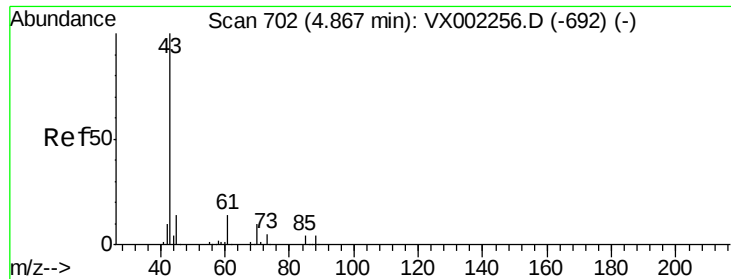


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

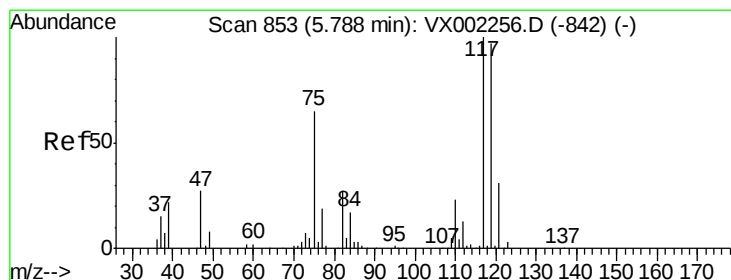
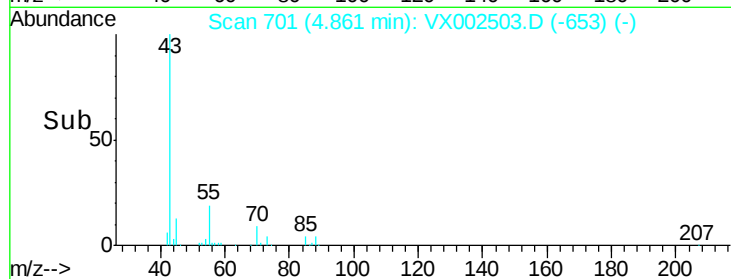
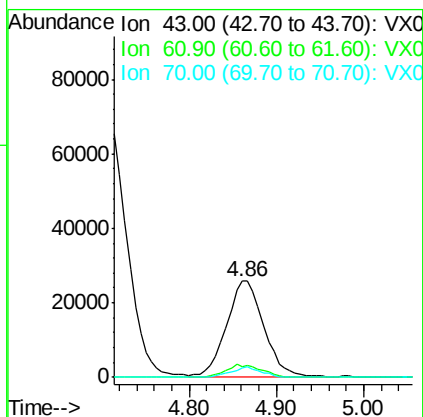
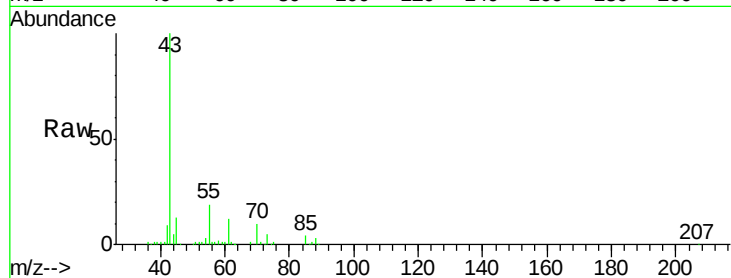




#37
Ethyl Acetate
Concen: 23.20 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

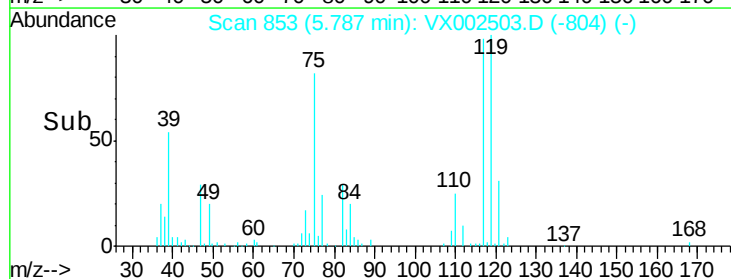
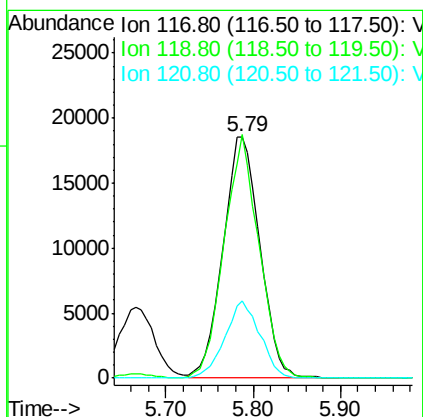
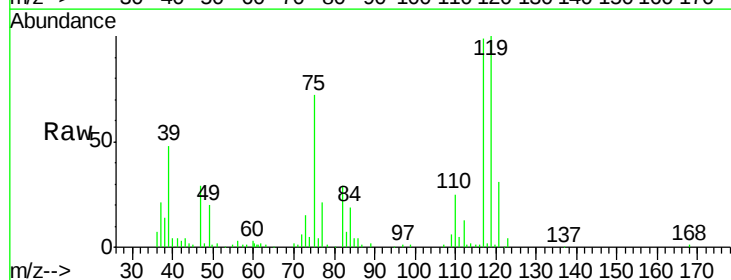
Instrument :
MSVOA_X
ClientSampled :

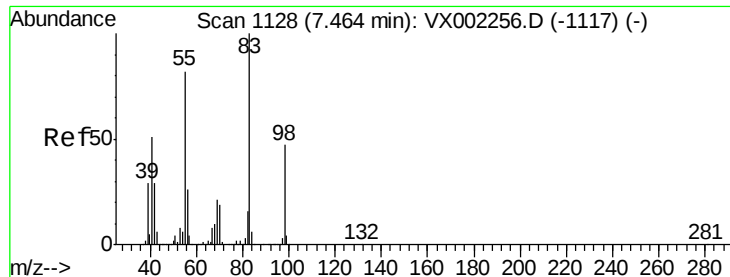
Tot Ion: 43 Resp: 75695
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.15 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 117 Resp: 54343
Ion Ratio Lower Upper
117 100
119 100.8 77.4 116.0
121 31.7 24.4 36.6

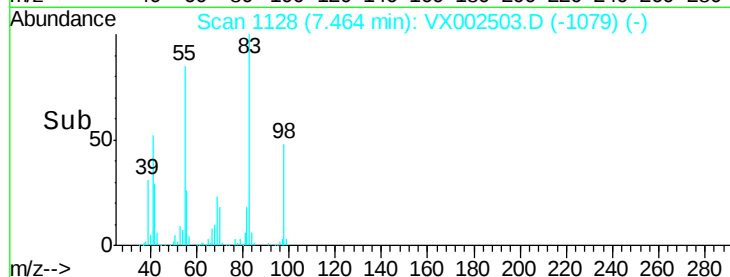
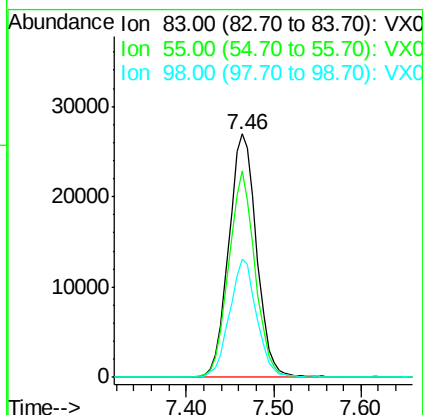
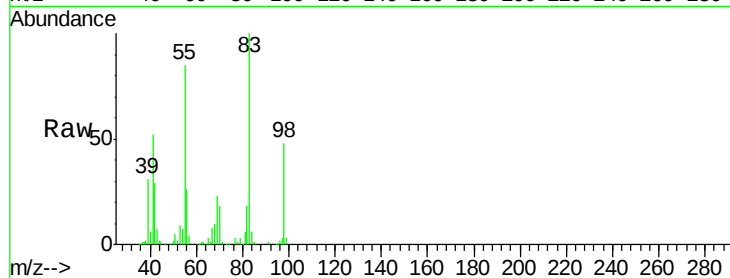




#39
Methvlcvclohexane
Concen: 18.04 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

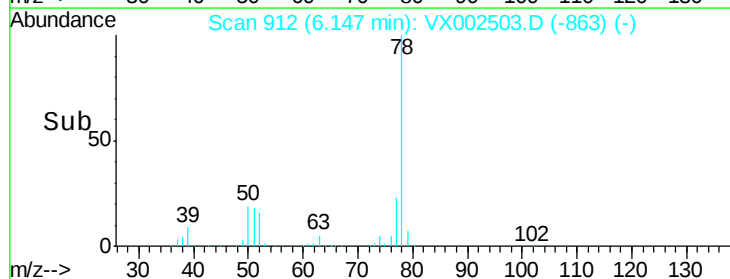
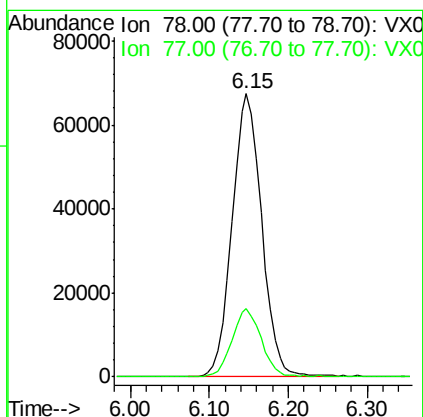
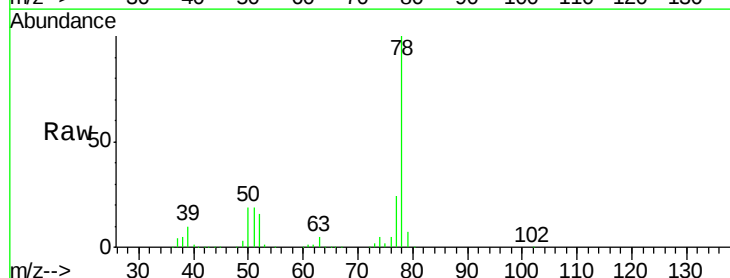
Instrument :
MSVOA_X
ClientSampleId :

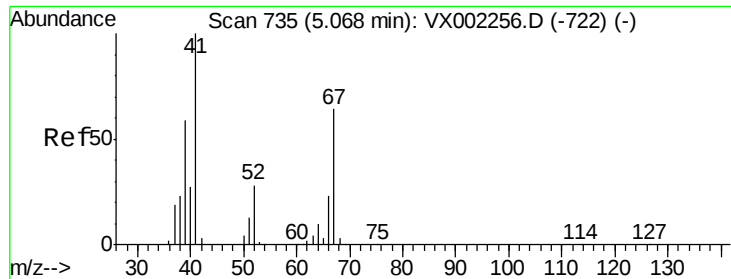
Tot Ion: 83 Resp: 59917
Ion Ratio Lower Upper
83 100
55 84.7 65.4 98.0
98 48.3 37.4 56.0



#40
Benzene
Concen: 21.14 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 78 Resp: 175873
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

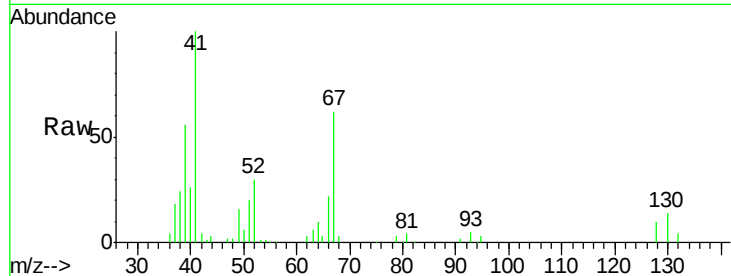




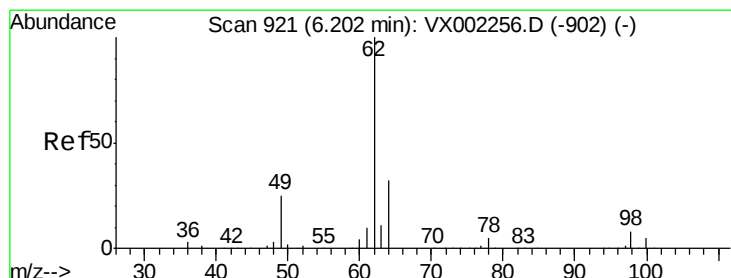
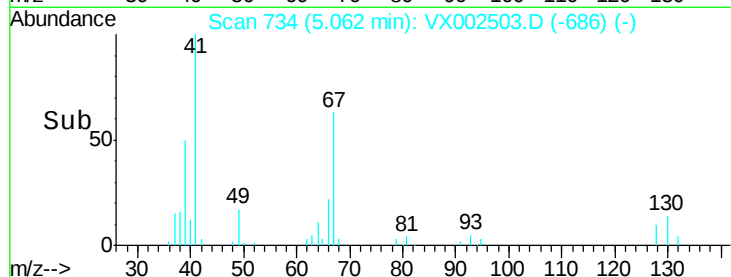
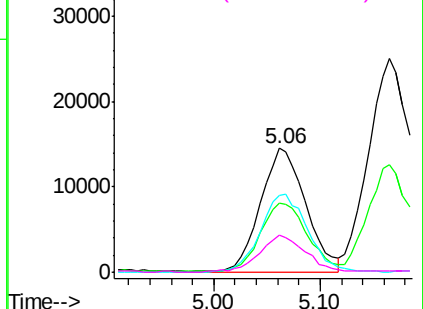
#41
Methacrylonitrile
Concen: 22.92 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	42805
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.8	68.6
67	66.1	51.3	76.9
52	31.0	23.0	34.6

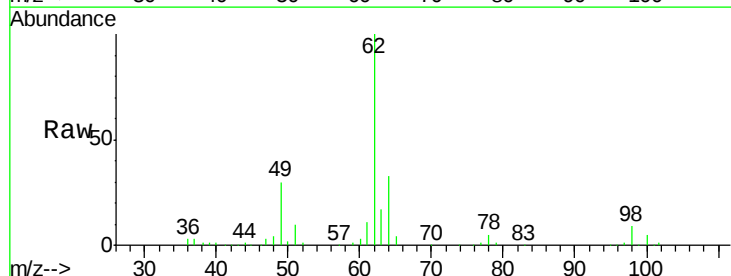


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

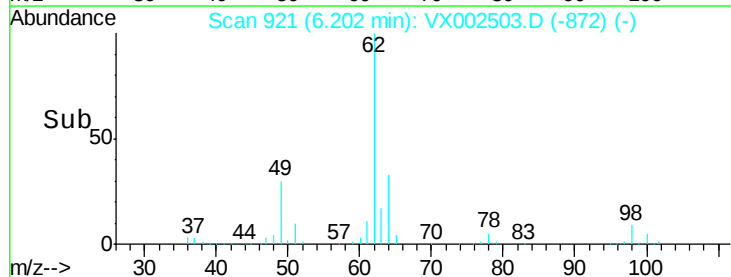
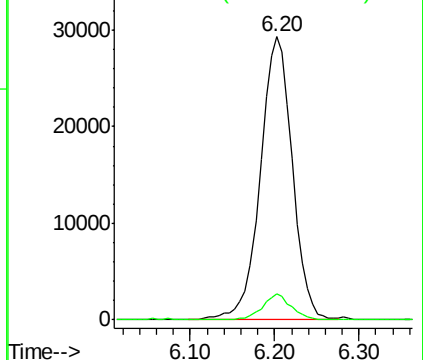


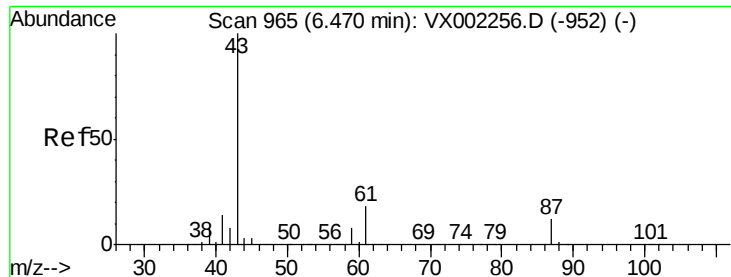
#42
1,2-Dichloroethane
Concen: 23.25 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:	62	Resp:	76846
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



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



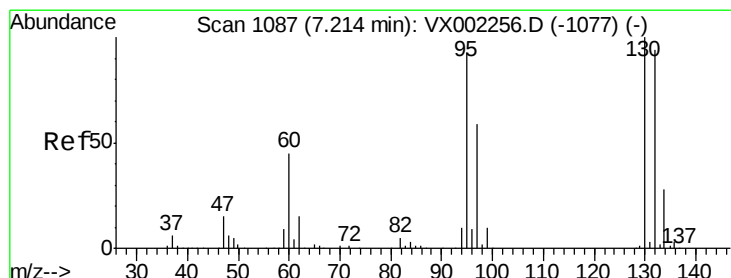
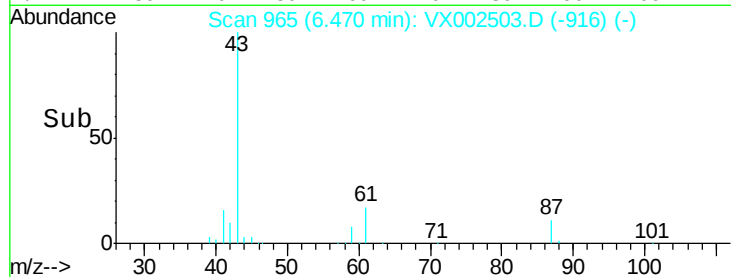
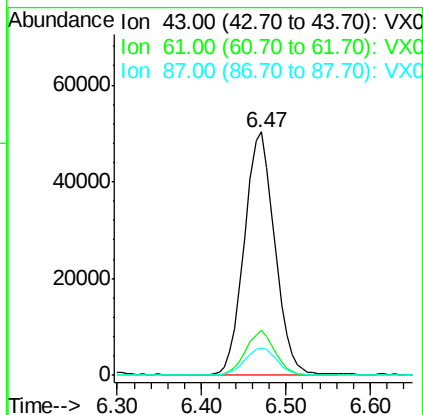
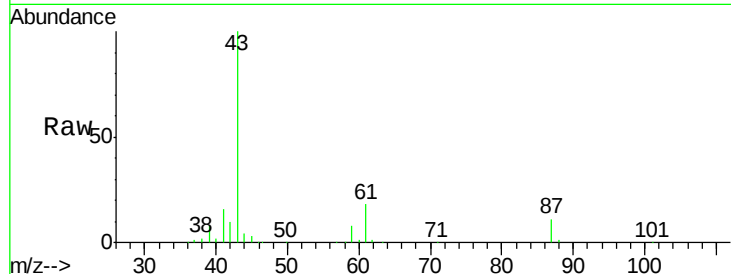


#43

Isopropyl Acetate
 Concen: 22.13 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

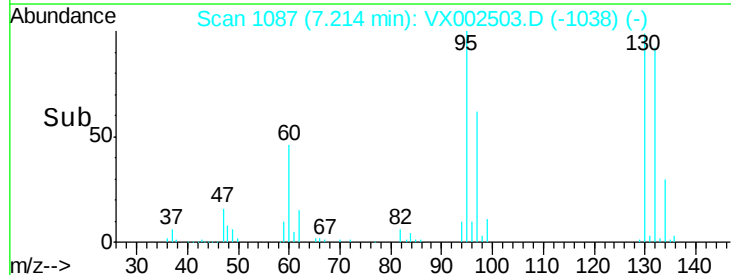
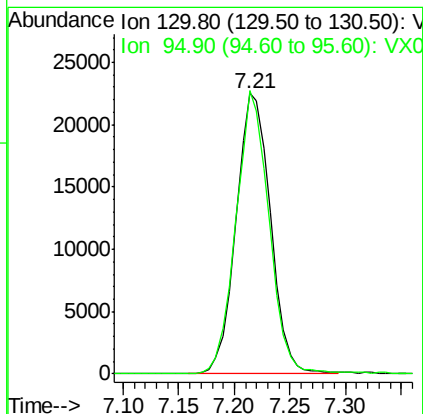
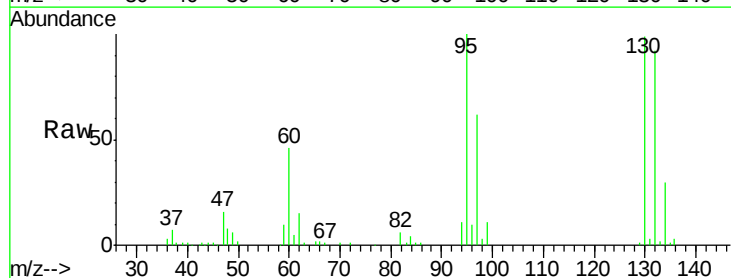
Tot Ion	43	Resp	122660
Ion Ratio	Lower	Upper	
43	100		
61	17.9	14.4	21.6
87	11.9	9.5	14.3

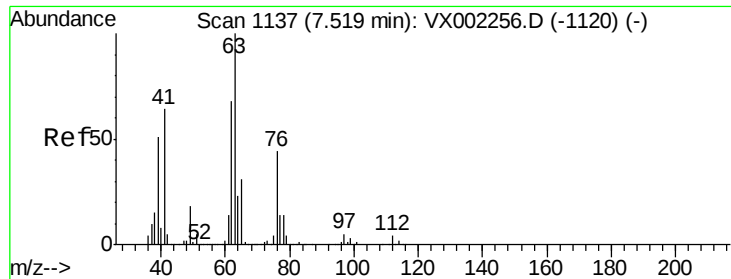


#44

Trichloroethene
 Concen: 20.89 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	130	Resp	48236
Ion Ratio	Lower	Upper	
130	100		
95	100.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 22.62 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

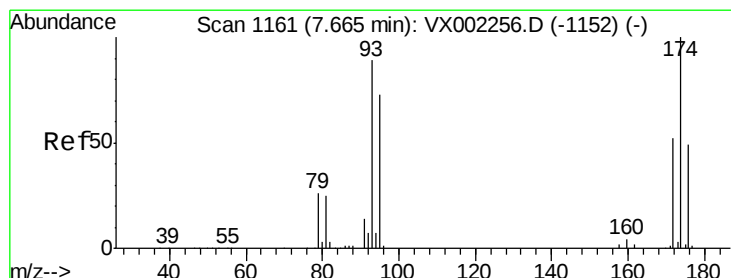
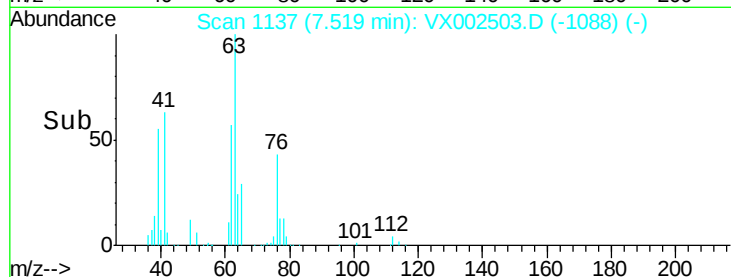
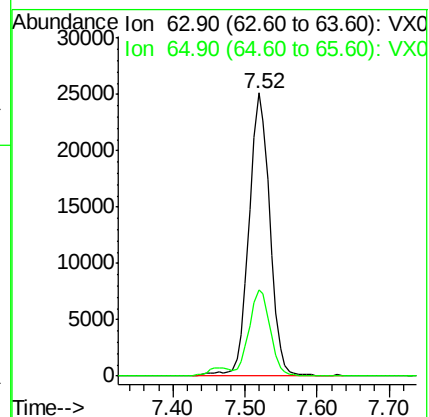
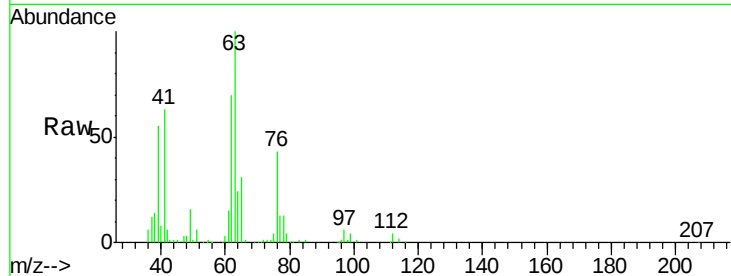
ClientSampleId :

Tot Ion: 63 Resp: 50799

Ion Ratio Lower Upper

63 100

65 30.5 24.7 37.1



#46

Dibromomethane

Concen: 22.89 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

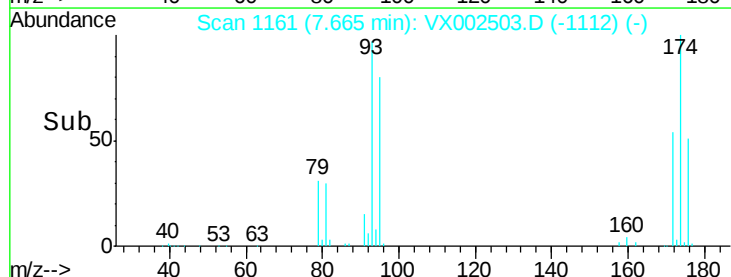
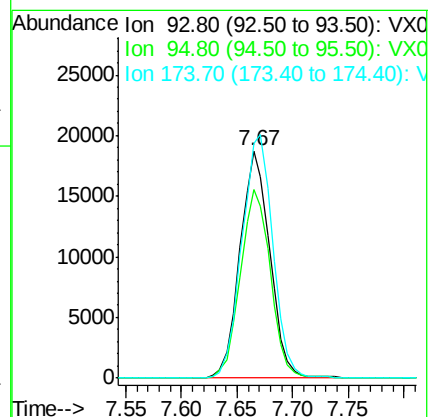
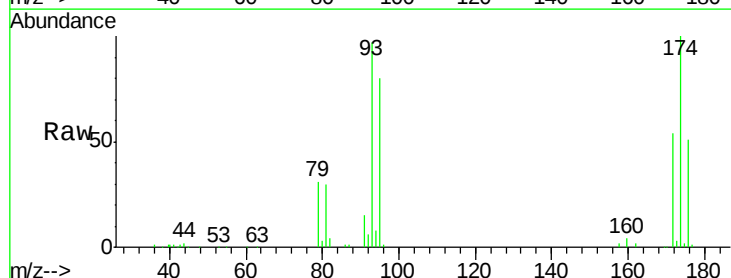
Tgt Ion: 93 Resp: 34853

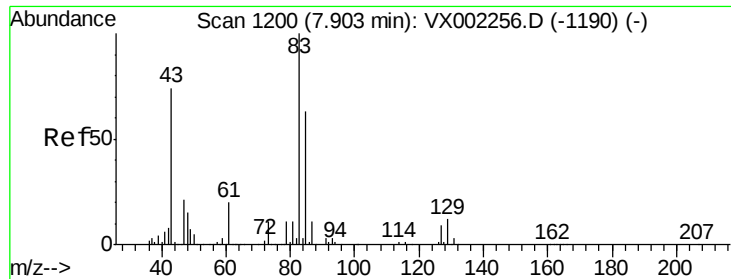
Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

174 111.3 92.4 138.6





#47

Bromodichloromethane

Concen: 22.07 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampled :

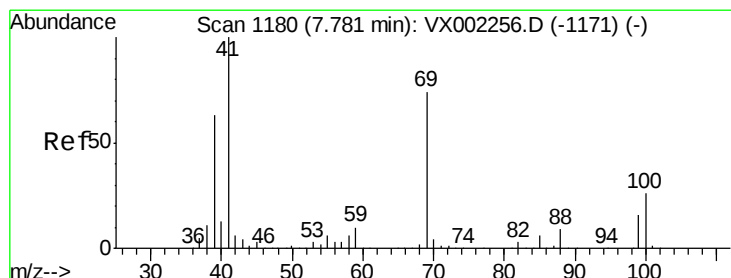
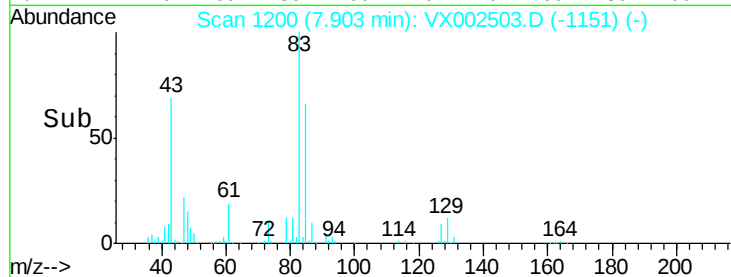
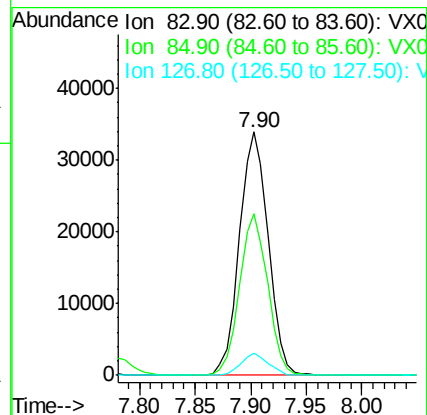
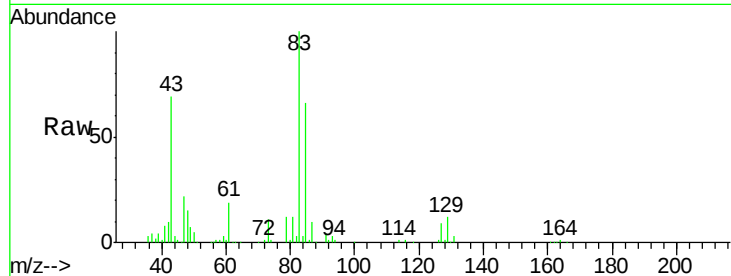
Tot Ion: 83 Resp: 60775

Ion Ratio Lower Upper

83 100

85 66.4 50.3 75.5

127 9.2 7.0 10.4



#48

Methyl methacrylate

Concen: 23.29 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

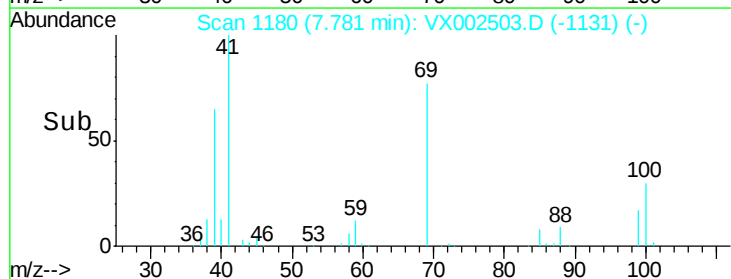
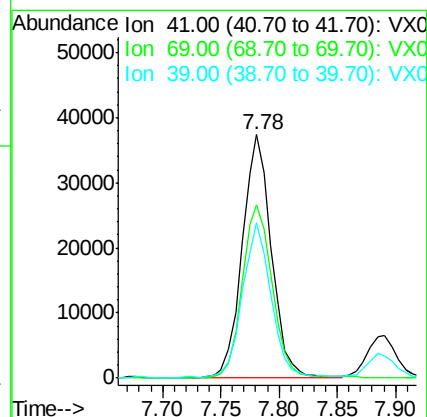
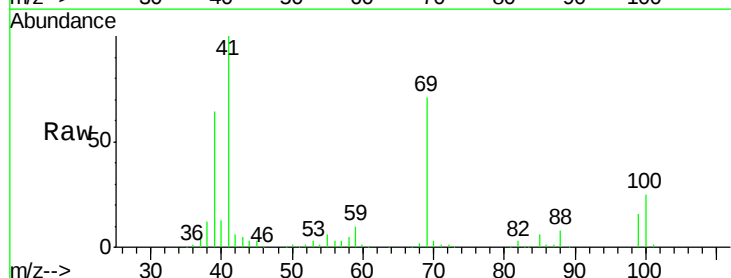
Tgt Ion: 41 Resp: 64842

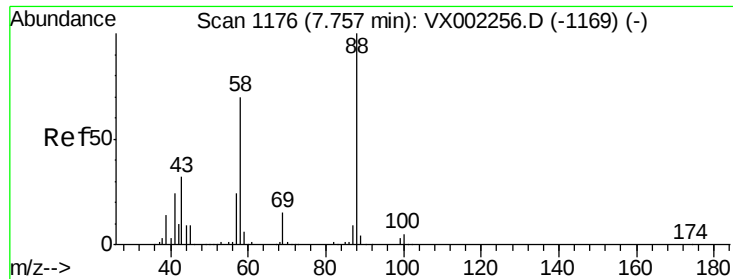
Ion Ratio Lower Upper

41 100

69 74.4 59.1 88.7

39 62.5 48.9 73.3

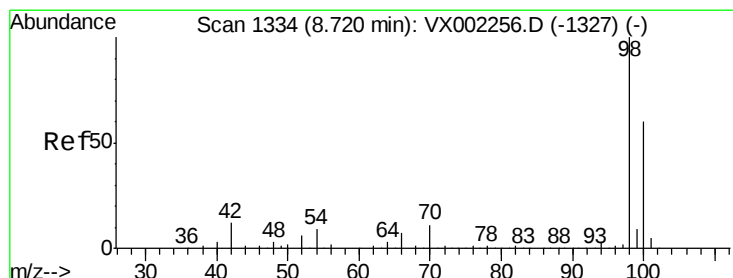
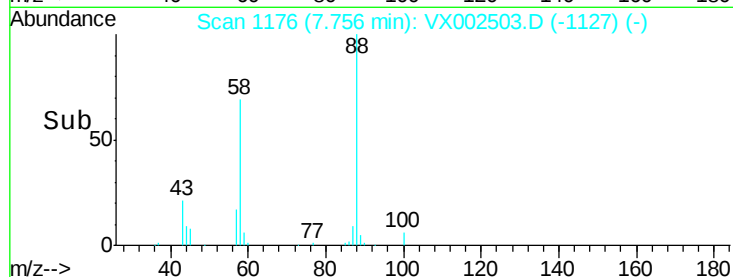
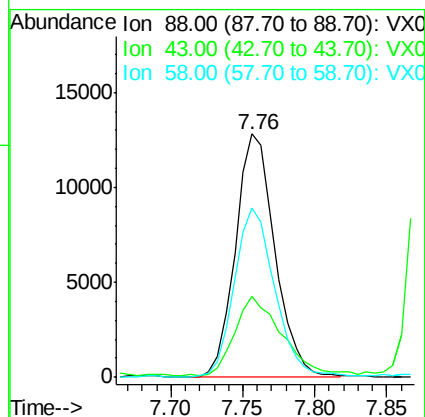
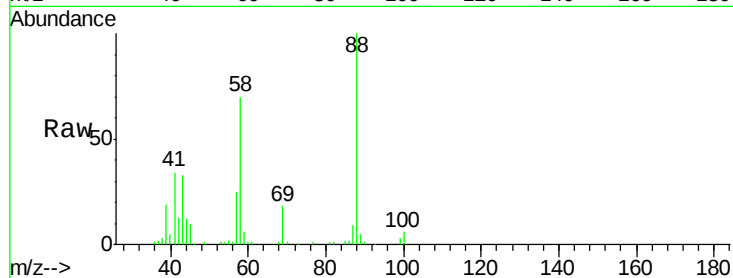




#49
 1,4-Dioxane
 Concen: 468.90 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

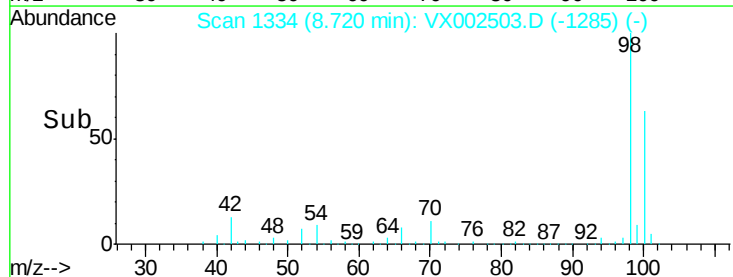
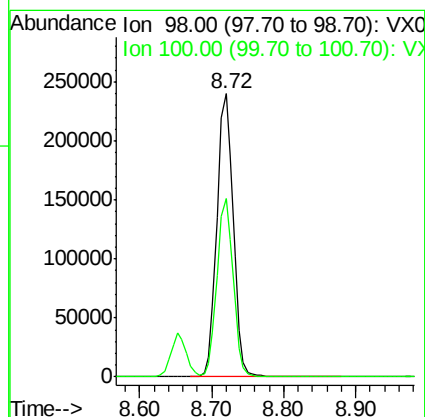
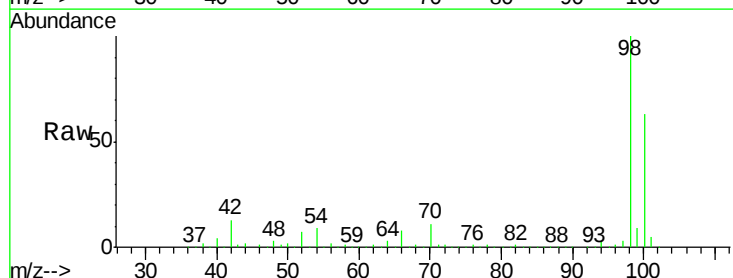
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	88	Resp	24405
Ion Ratio	Lower	Upper	
88	100		
43	39.6	29.8	44.6
58	72.2	57.1	85.7



#50
 Toluene-d8
 Concen: 48.52 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	98	Resp	377454
Ion Ratio	Lower	Upper	
98	100		
100	62.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 119.82 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

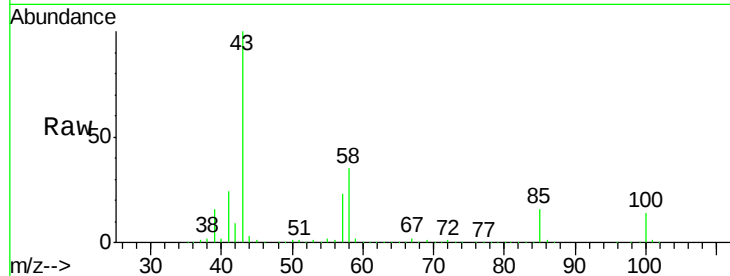
ClientSampleId :

Tot Ion: 43 Resp: 413500

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX002256.D (-1312) (-)

Ion 58.00 (57.70 to 58.70): VX002256.D (-1312) (-)

8.65

300000

250000

200000

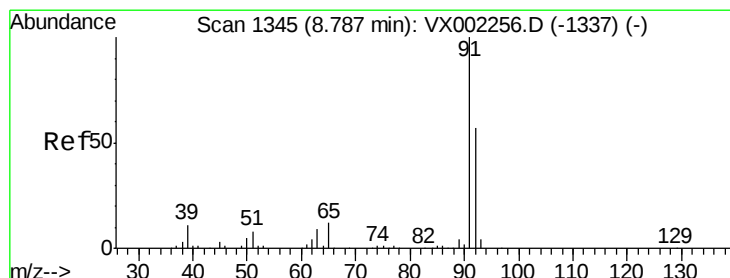
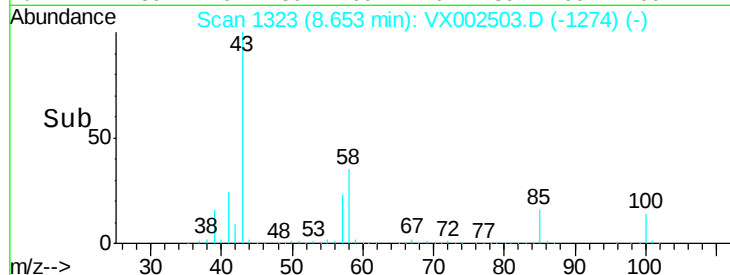
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.62 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002503.D

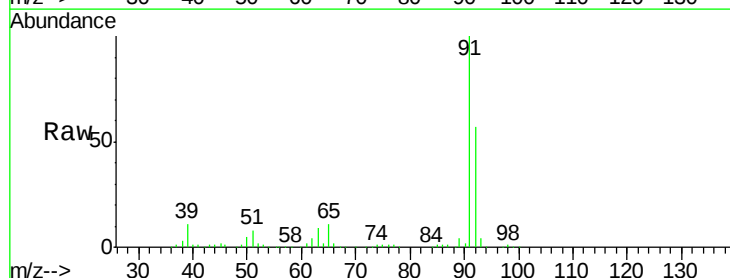
Acq: 13 Jun 2018 11:31

Tgt Ion: 92 Resp: 114385

Ion Ratio Lower Upper

92 100

91 177.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX002256.D (-1337) (-)

Ion 91.00 (90.70 to 91.70): VX002256.D (-1337) (-)

8.79

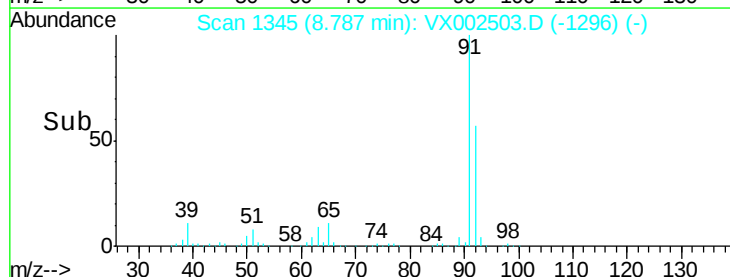
150000

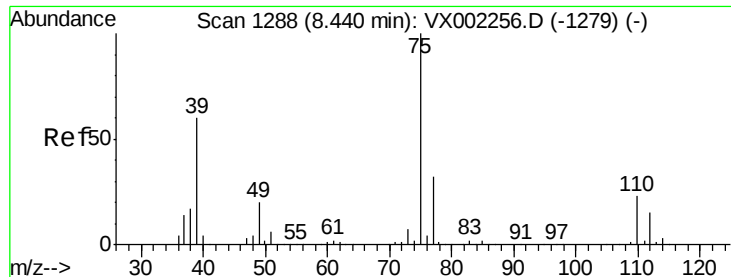
100000

50000

0

Time--> 8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 21.61 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

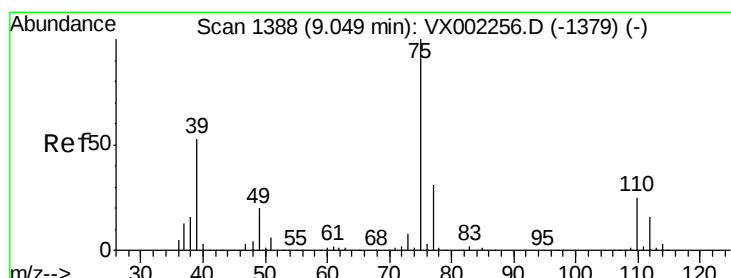
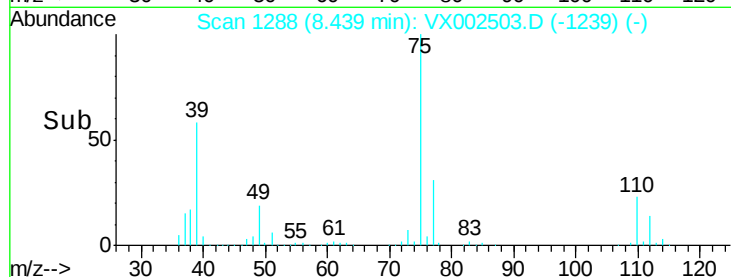
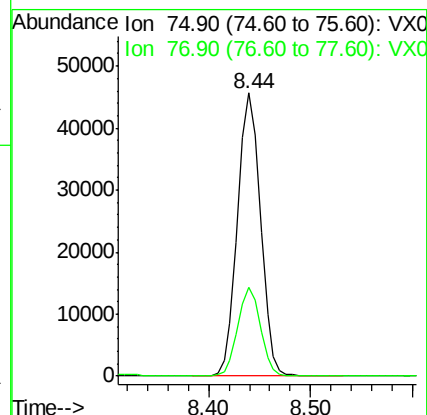
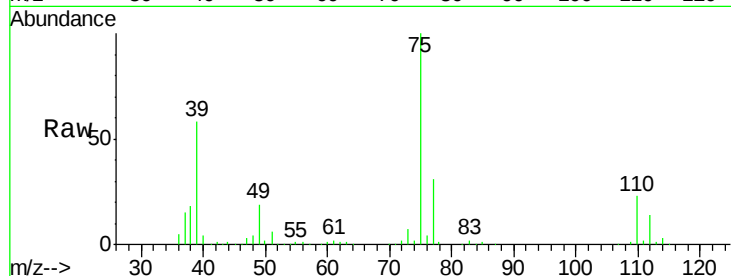
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 71366

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.05 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

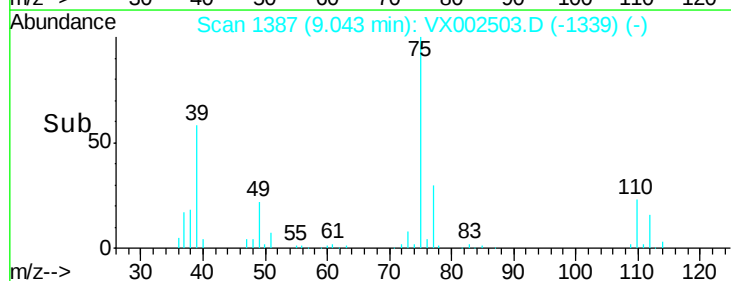
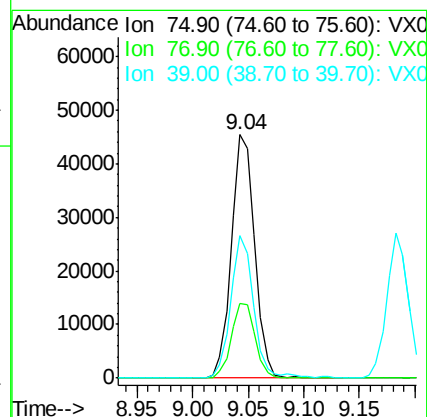
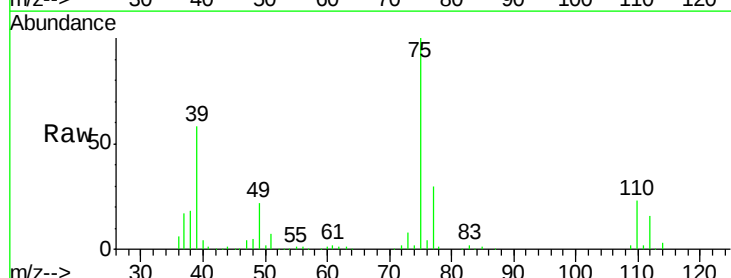
Tgt Ion: 75 Resp: 65577

Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2

39 58.0 42.4 63.6

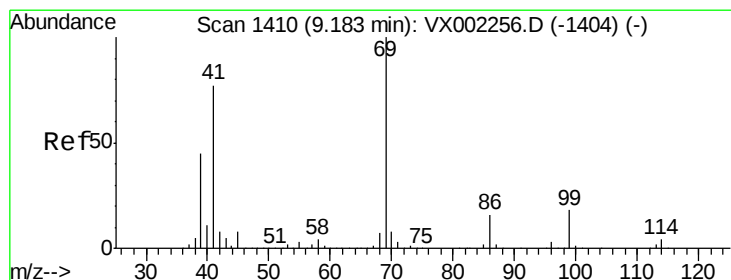
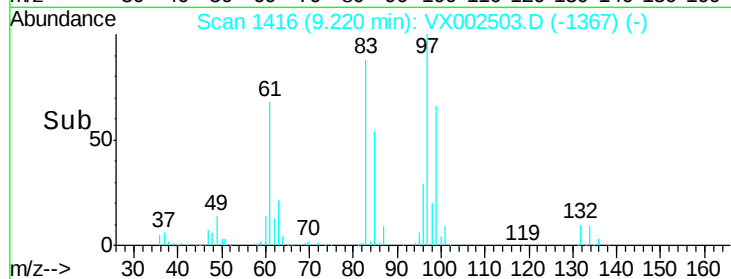
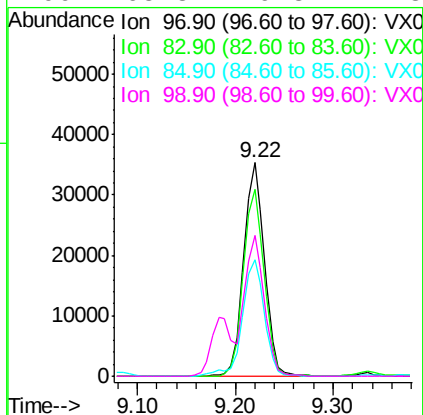
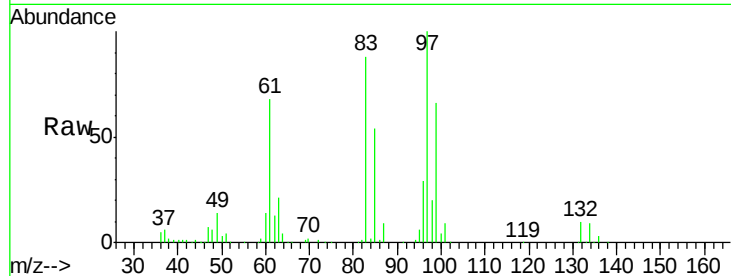




#55
 1,1,2-Trichloroethane
 Concen: 24.01 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

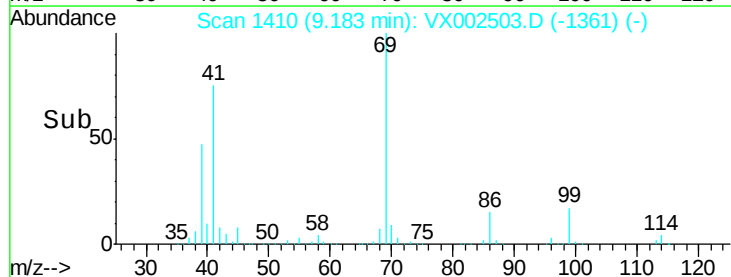
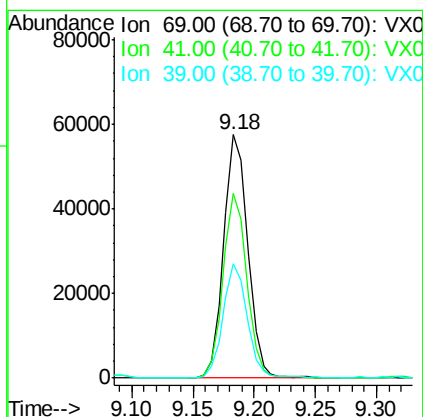
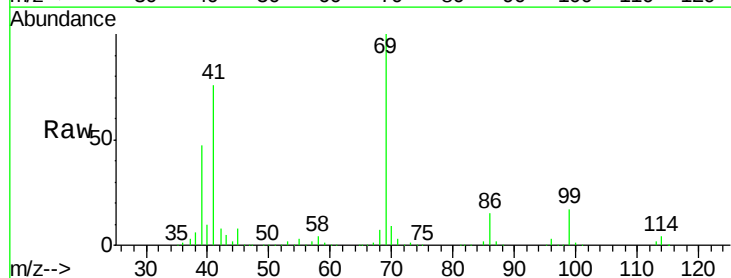
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:	97	Resp:	52256
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.2	105.2
85	54.3	44.9	67.3
99	65.8	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 22.77 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion:	69	Resp:	79092
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.3	90.5
39	46.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 23.88 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

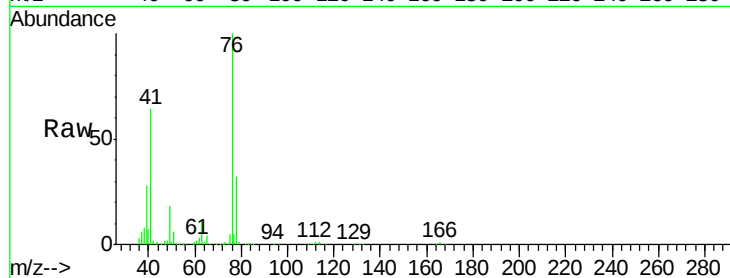
ClientSampleId :

Tot Ion: 76 Resp: 87183

Ion Ratio Lower Upper

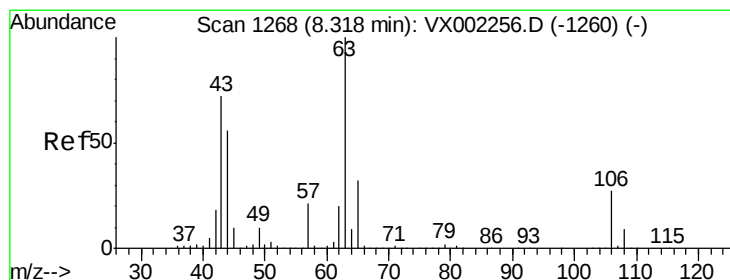
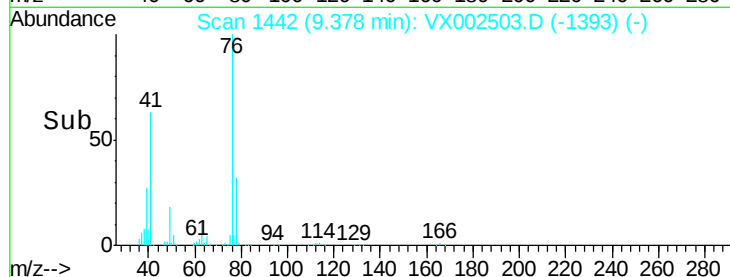
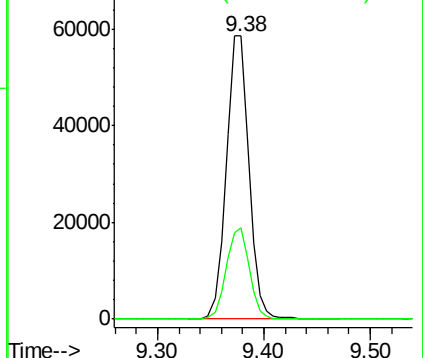
76 100

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



#58

2-Chloroethyl Vinyl ether

Concen: 102.08 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002503.D

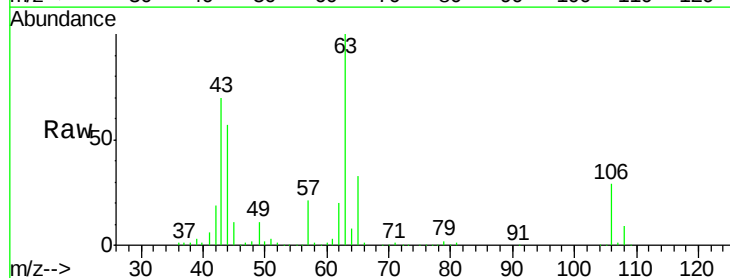
Acq: 13 Jun 2018 11:31

Tgt Ion: 63 Resp: 164145

Ion Ratio Lower Upper

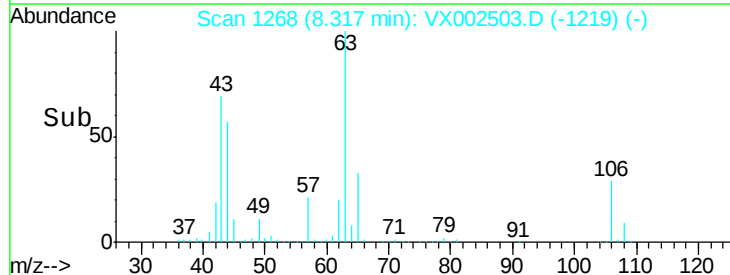
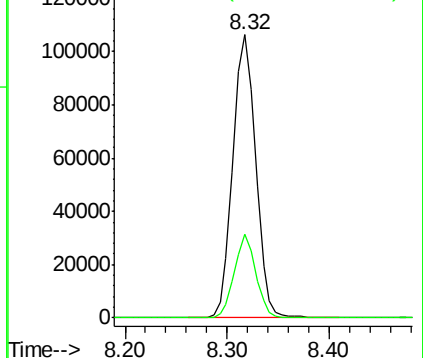
63 100

106 27.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

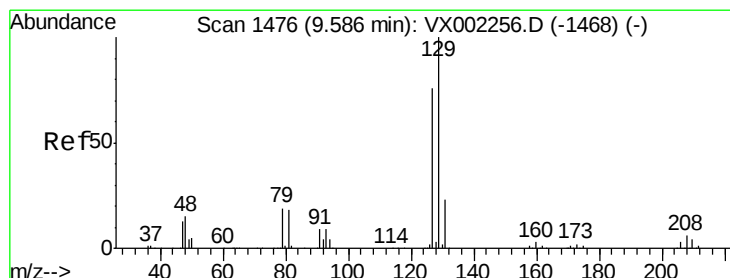
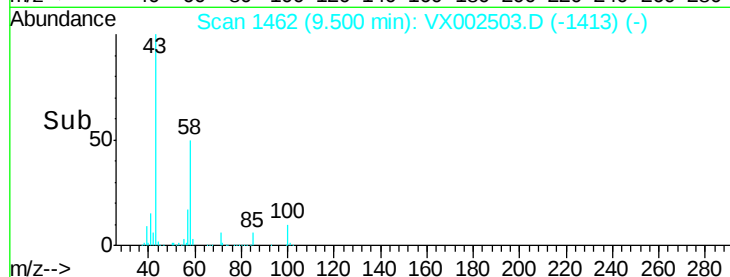
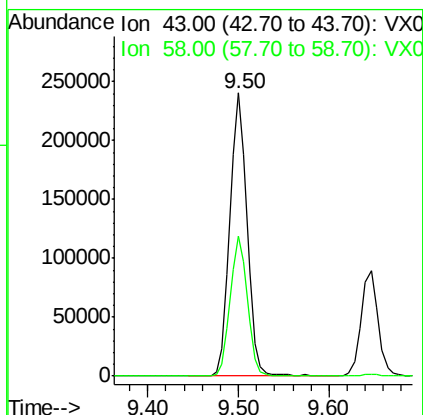
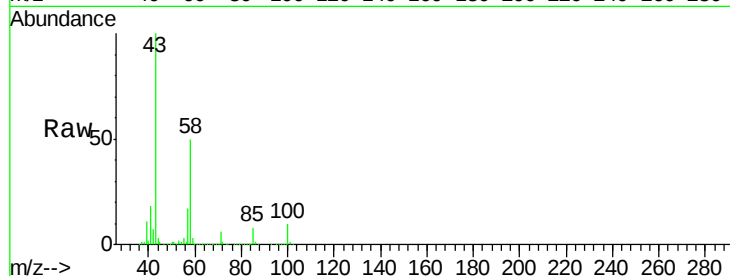




#59
2-Hexanone
Concen: 119.20 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

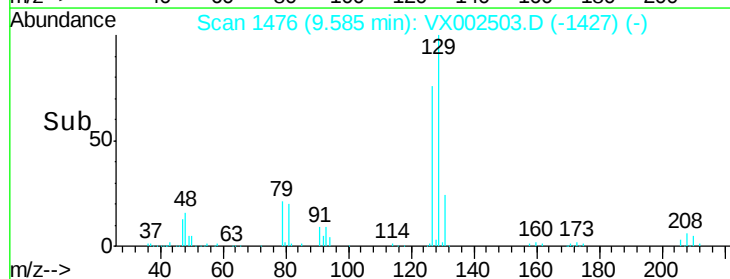
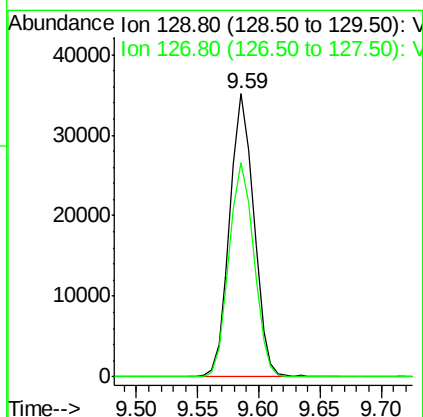
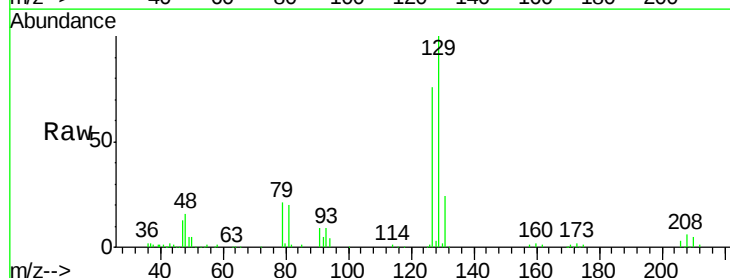
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 317745
Ion Ratio Lower Upper
43 100
58 49.5 24.6 73.6



#60
Dibromochloromethane
Concen: 22.06 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 129 Resp: 48280
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 23.35 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

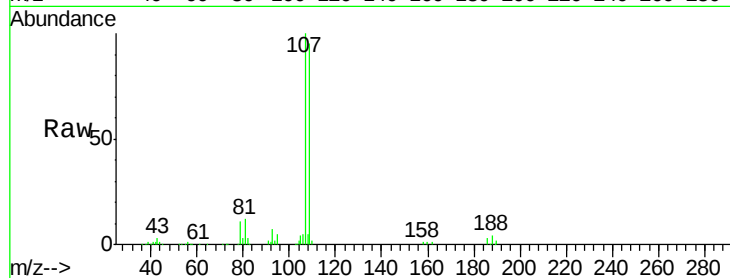
ClientSampleId :

Tot Ion:107 Resp: 52976

Ion Ratio Lower Upper

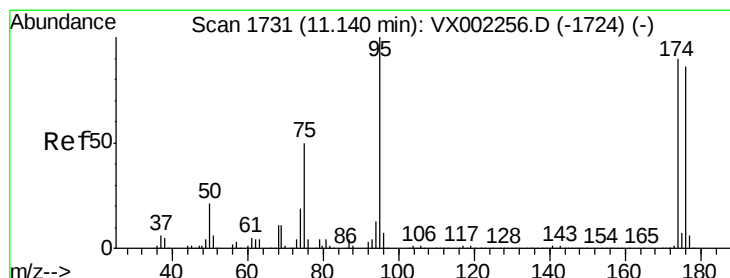
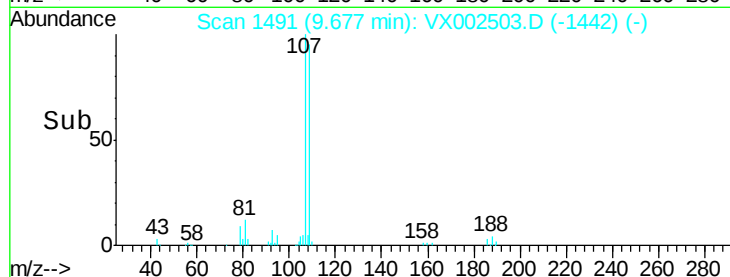
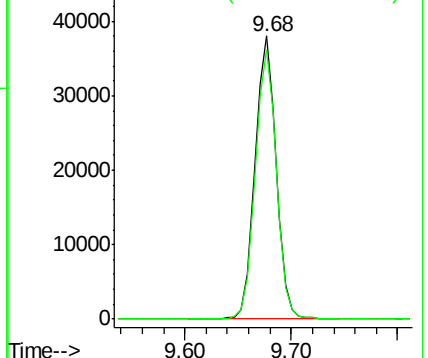
107 100

109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

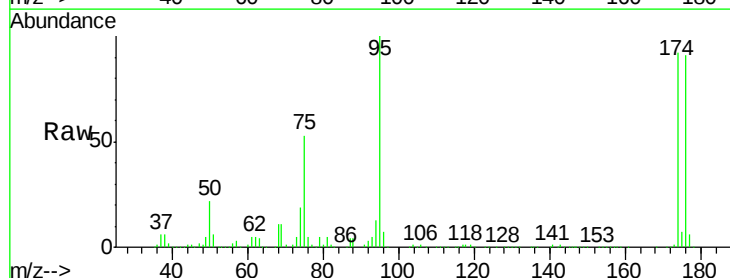
Tgt Ion: 95 Resp: 146984

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

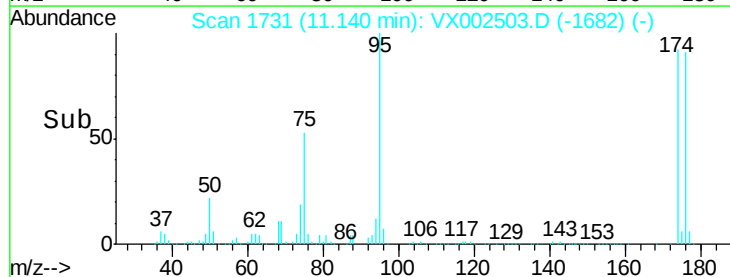
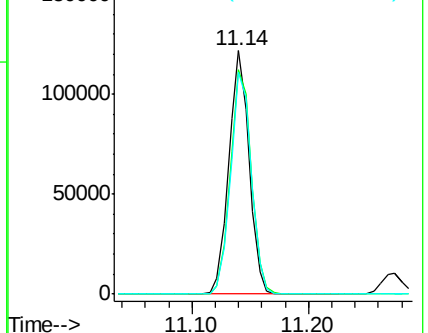
176 93.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

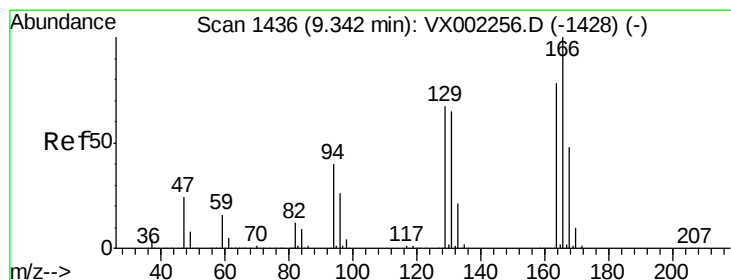
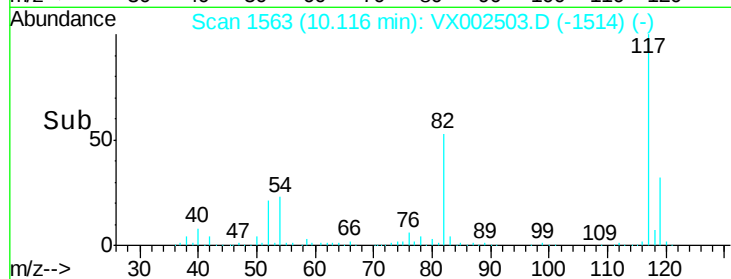
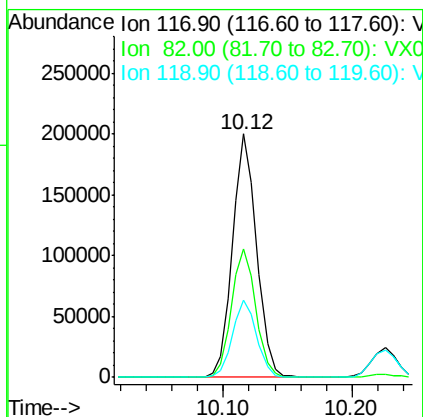
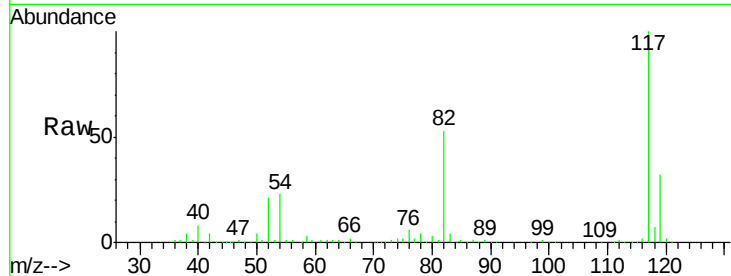




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

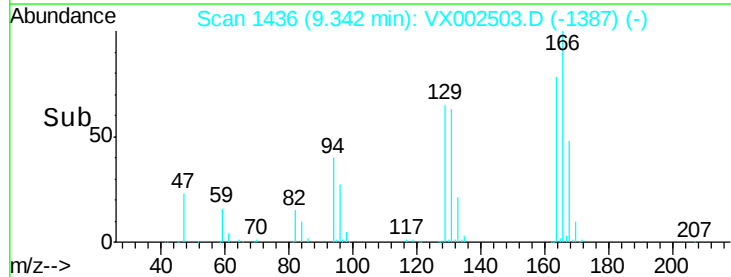
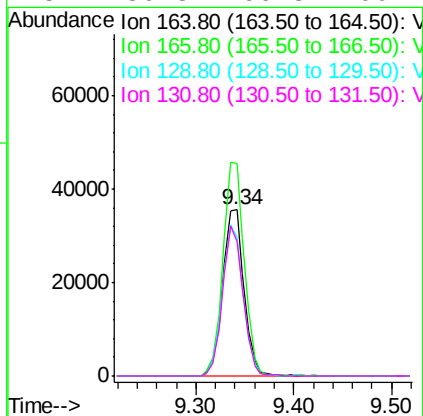
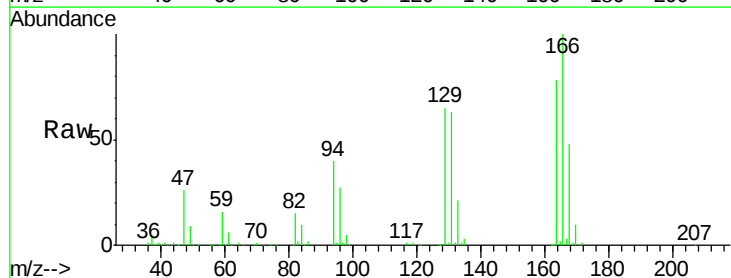
Instrument :
MSVOA_X
ClientSampleId :

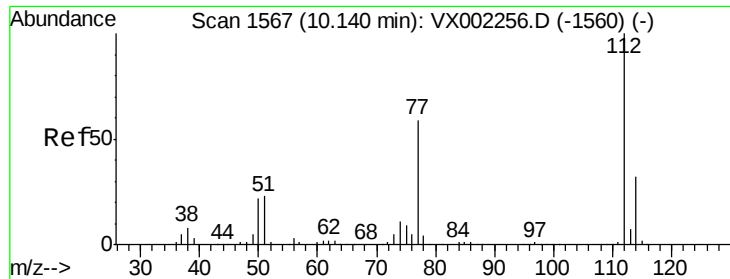
Tot Ion:117 Resp: 261010
Ion Ratio Lower Upper
117 100
82 52.8 45.0 67.4
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 19.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:164 Resp: 53812
Ion Ratio Lower Upper
164 100
166 127.7 102.9 154.3
129 83.4 68.6 102.8
131 80.8 66.8 100.2





#65

Chlorobenzene

Concen: 21.35 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

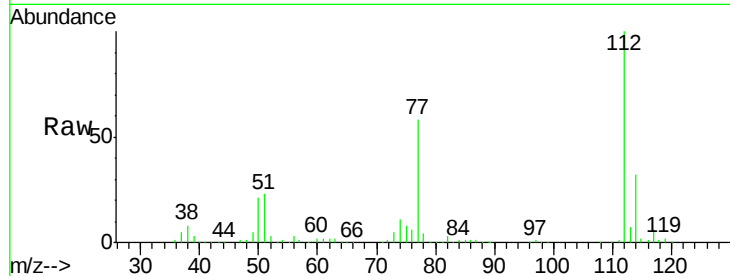
ClientSampled :

Tot Ion:112 Resp: 138679

Ion Ratio Lower Upper

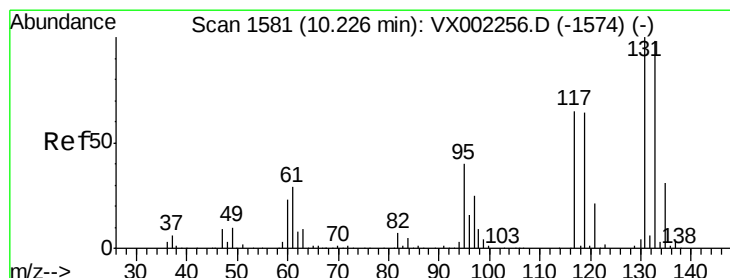
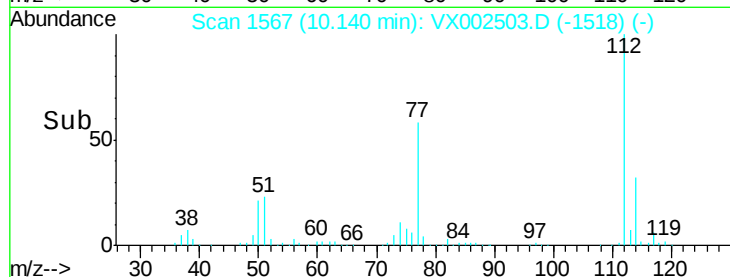
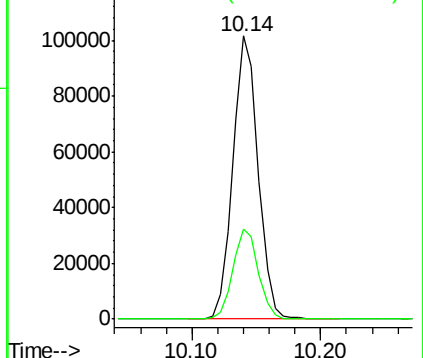
112 100

114 31.8 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: 21.13 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

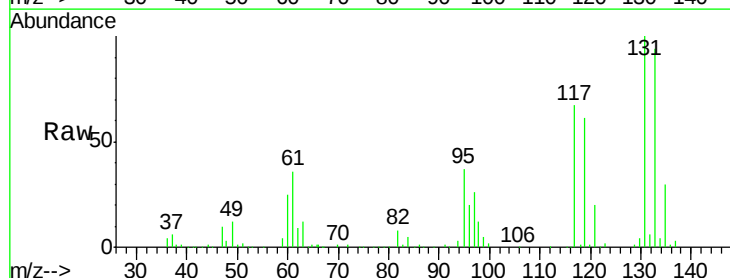
Tgt Ion:131 Resp: 49691

Ion Ratio Lower Upper

131 100

133 94.3 47.9 143.6

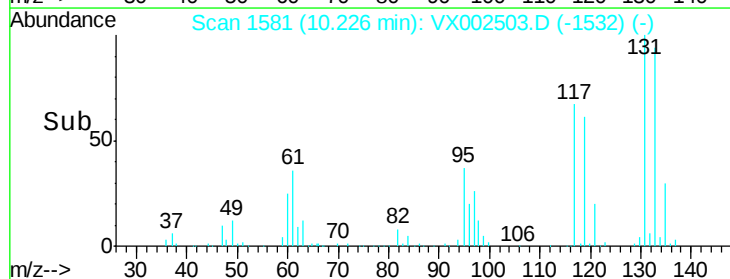
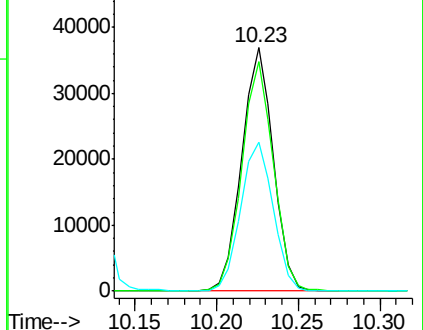
119 63.3 31.8 95.3

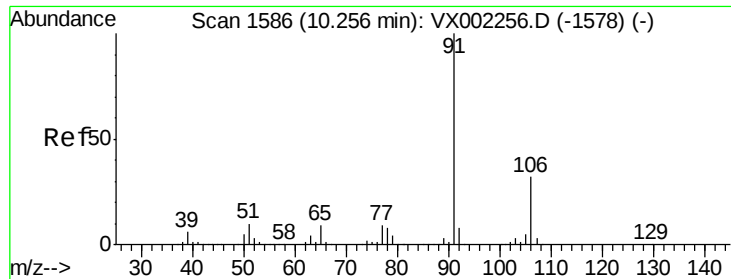


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

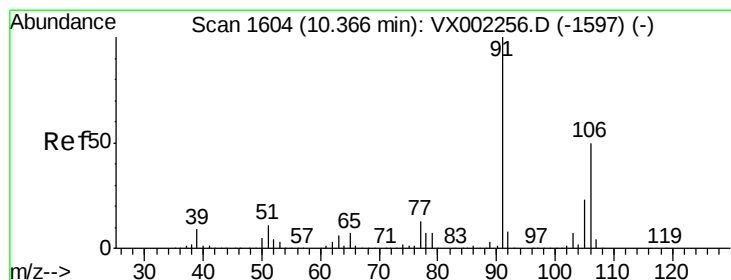
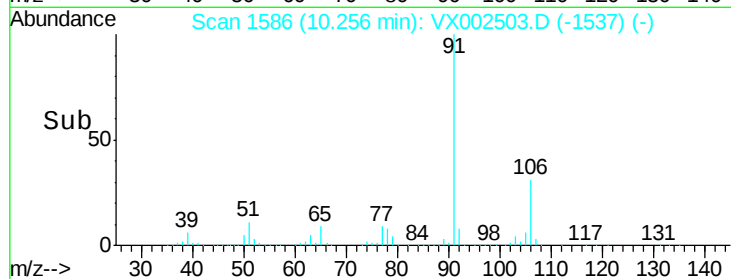
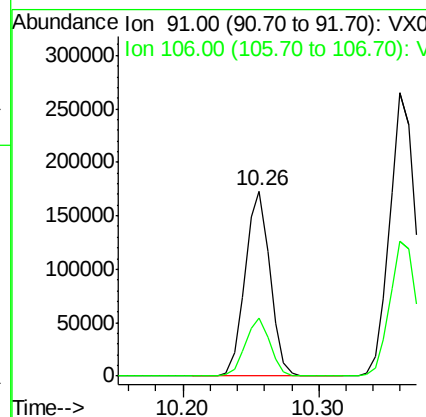
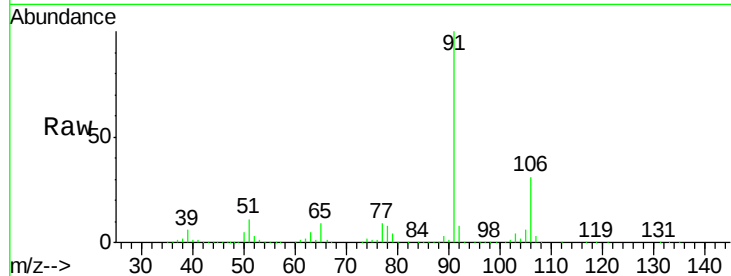




#67
Ethyl Benzene
Concen: 20.43 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

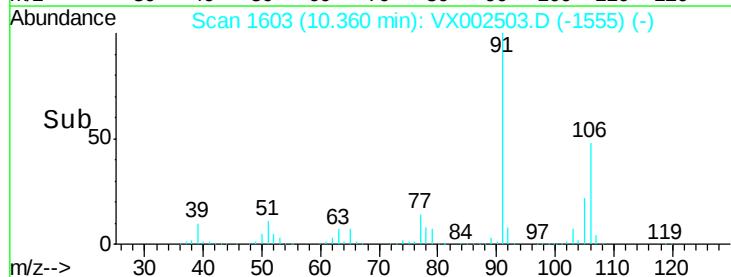
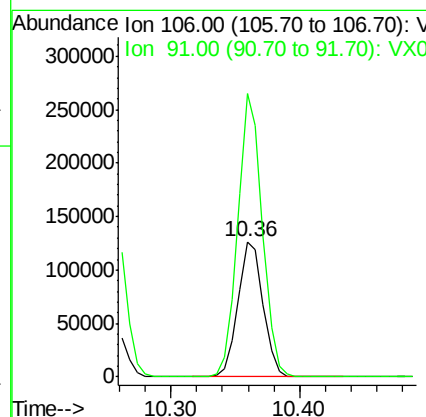
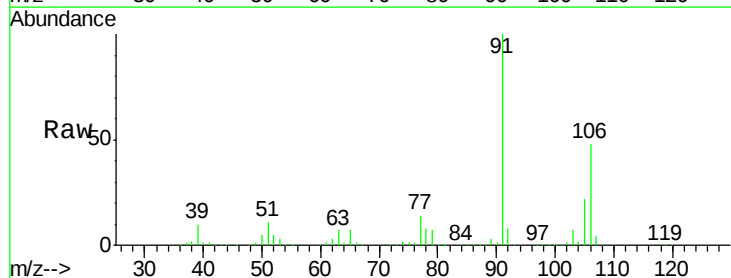
Instrument :
MSVOA_X
ClientSampleId :

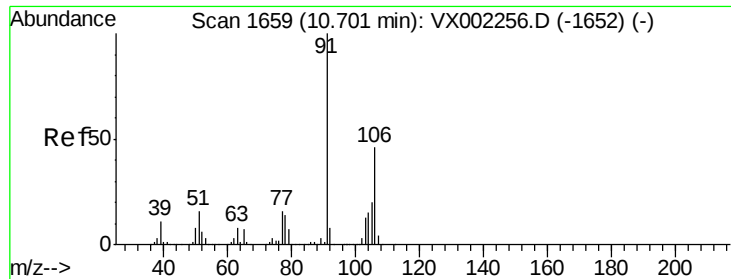
Tot Ion: 91 Resp: 222031
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 40.91 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 106 Resp: 172865
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2

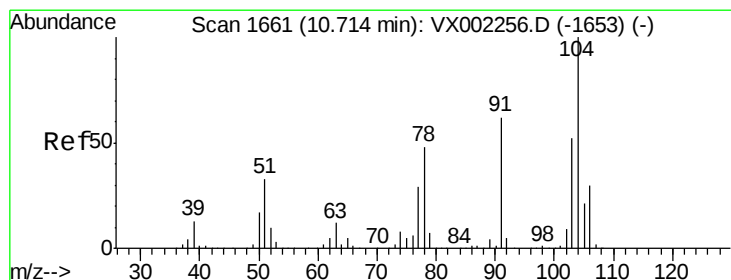
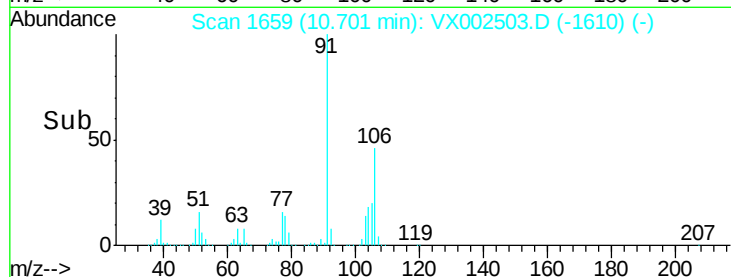
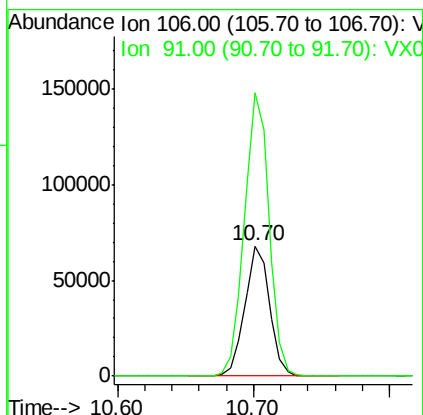
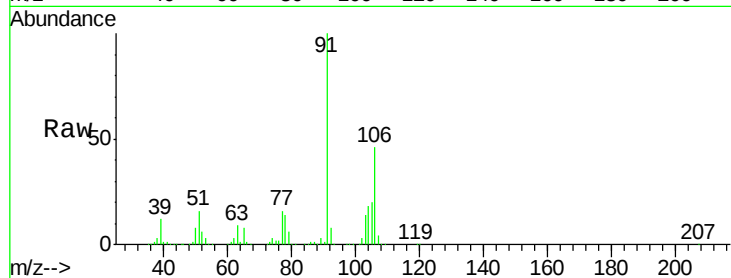




#69
o-Xylene
Concen: 20.55 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

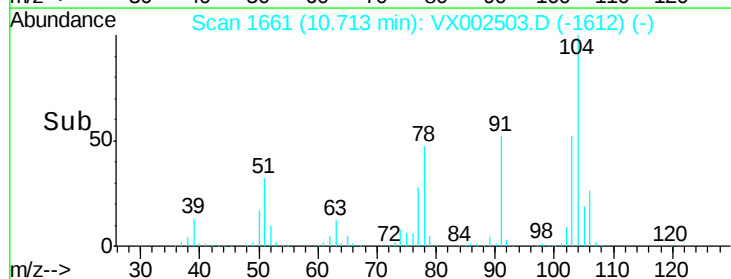
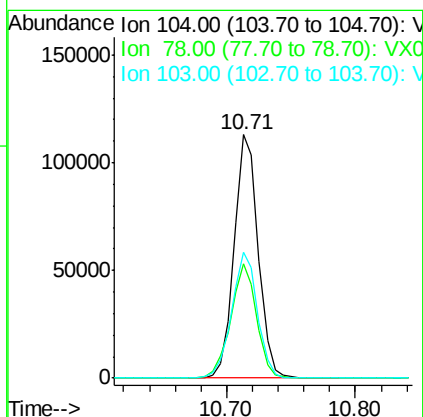
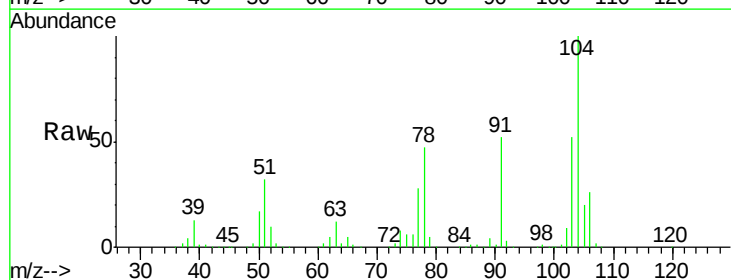
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 86417
Ion Ratio Lower Upper
106 100
91 217.7 108.2 324.6



#70
Styrene
Concen: 21.38 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:104 Resp: 146946
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 19.33 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

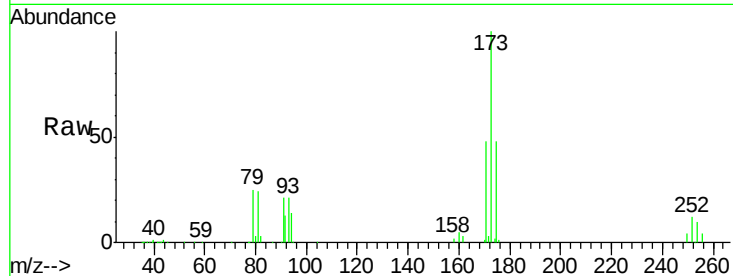
Tot Ion:173 Resp: 35921

Ion Ratio Lower Upper

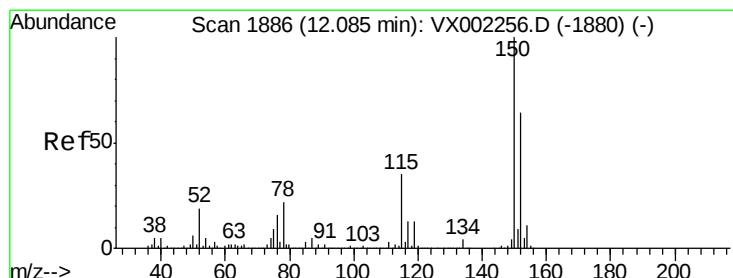
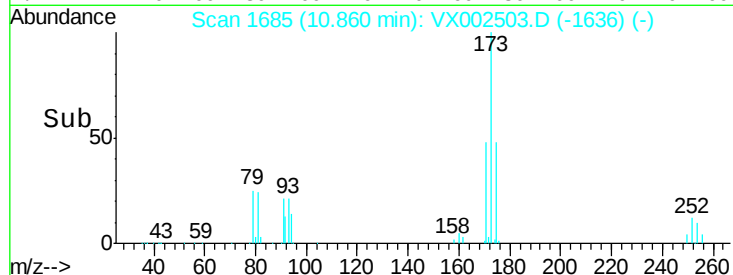
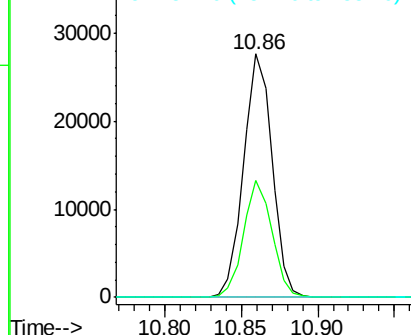
173 100

175 47.7 24.7 74.1

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

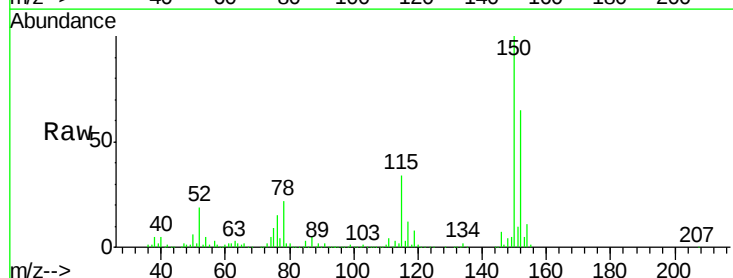
Tgt Ion:152 Resp: 164716

Ion Ratio Lower Upper

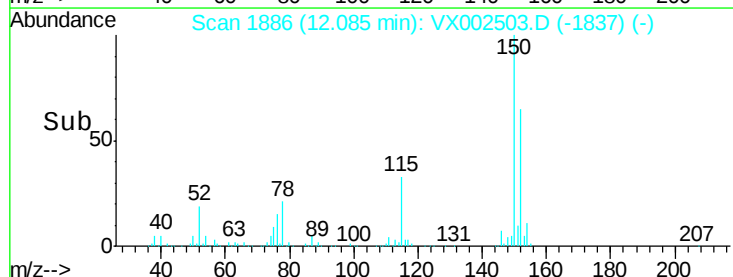
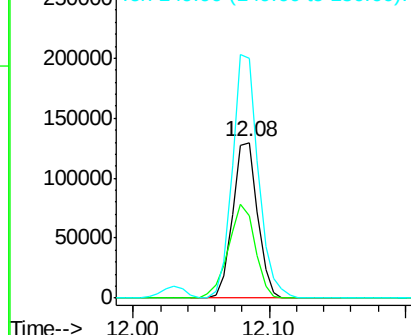
152 100

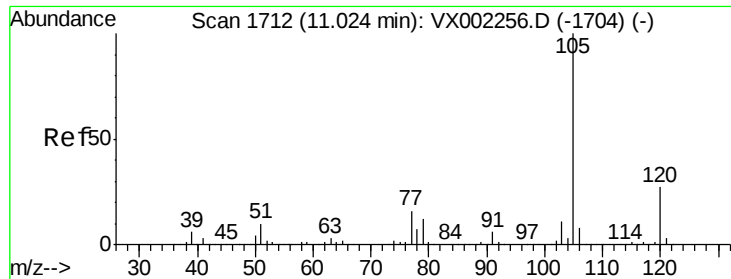
115 64.9 40.1 120.2

150 163.2 0.0 347.2



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





#73

Isopropylbenzene

Concen: 19.54 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

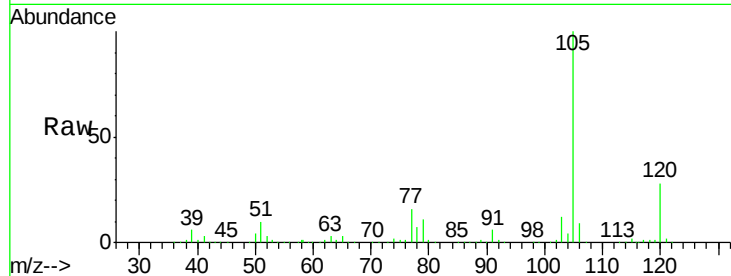
ClientSampleId :

Tot Ion:105 Resp: 223919

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

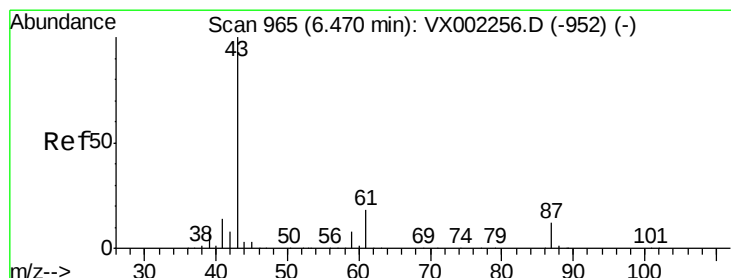
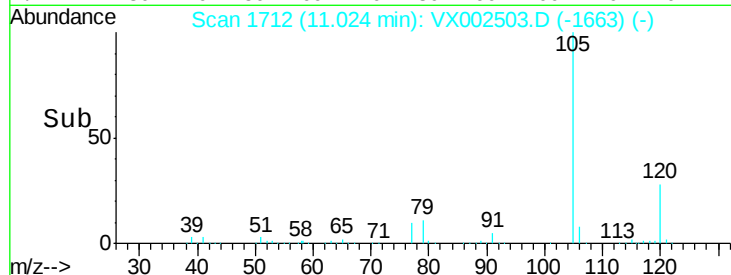
100000

50000

0

Time-->

10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 19.87 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion: 43 Resp: 122660

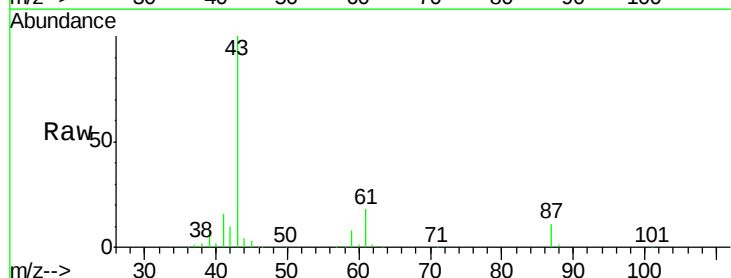
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.9 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

80000

60000

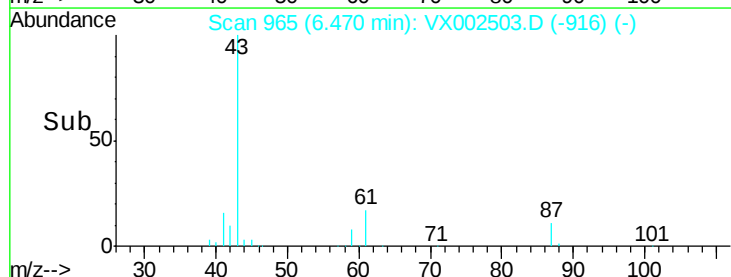
40000

20000

0

Time-->

6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.58 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

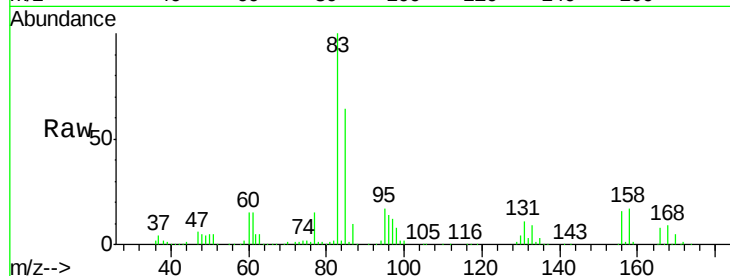
Tot Ion: 83 Resp: 77778

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.6	16.8
85	65.2	32.4	97.2

83 100

131 10.9 5.6 16.8

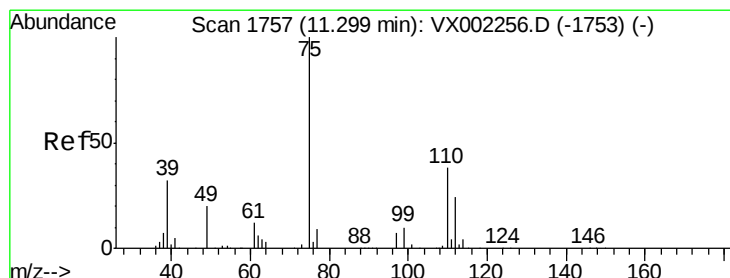
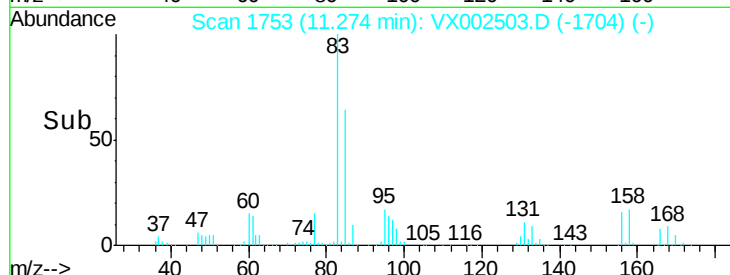
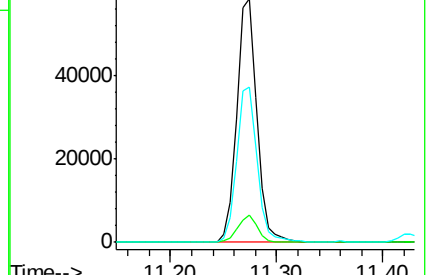
85 65.2 32.4 97.2



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: 24.37 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002503.D

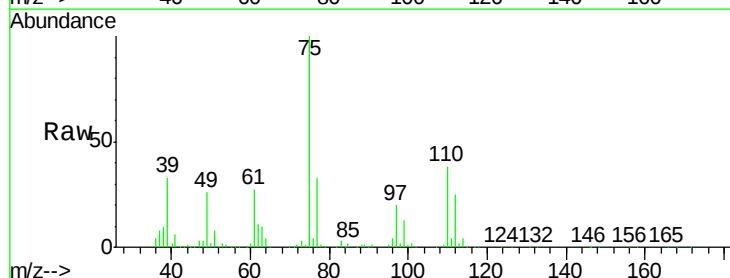
Acq: 13 Jun 2018 11:31

Tgt Ion: 75 Resp: 88095

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.8	68.3

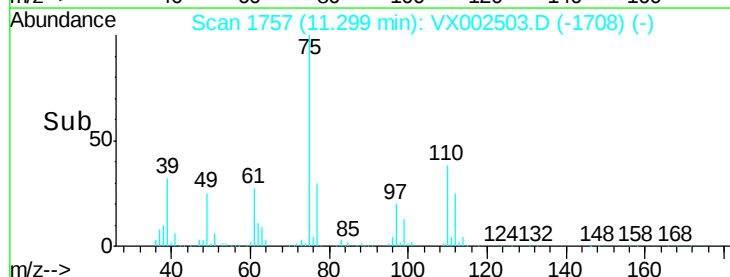
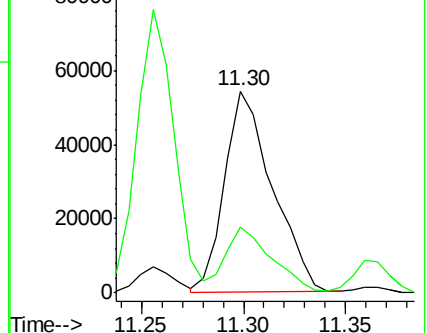
75 100

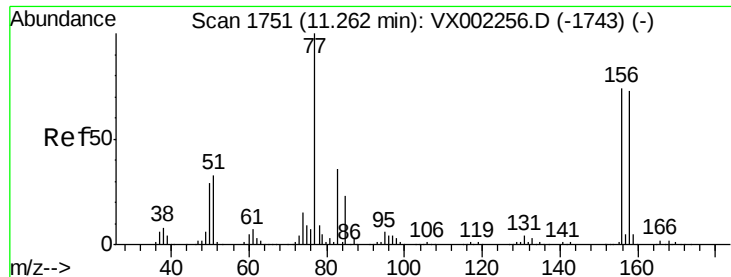
77 32.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

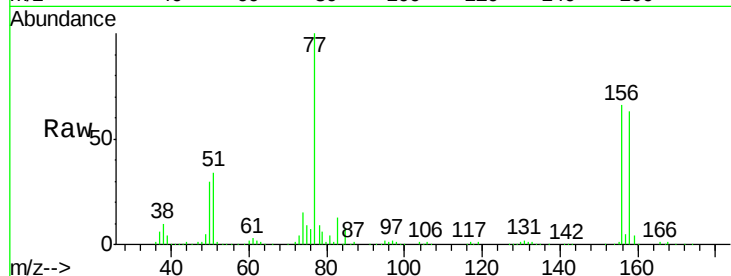
Tot Ion:156 Resp: 66113

Ion Ratio Lower Upper

156 100

77 145.9 71.4 214.2

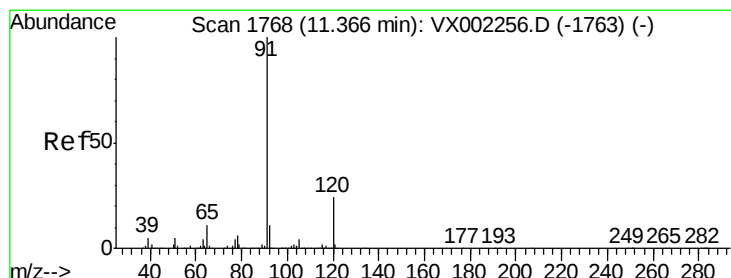
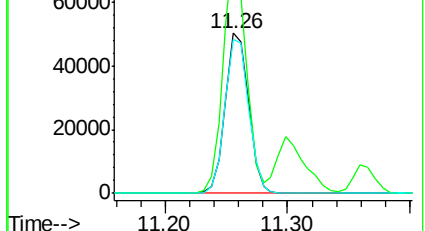
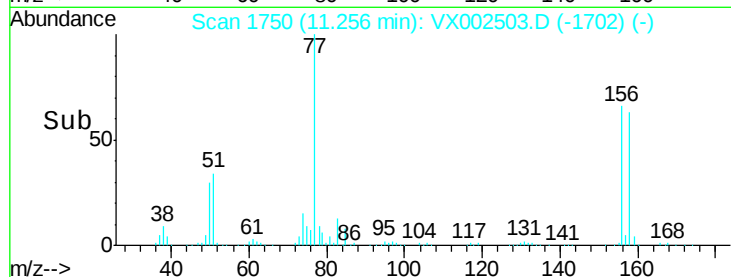
158 98.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.32 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002503.D

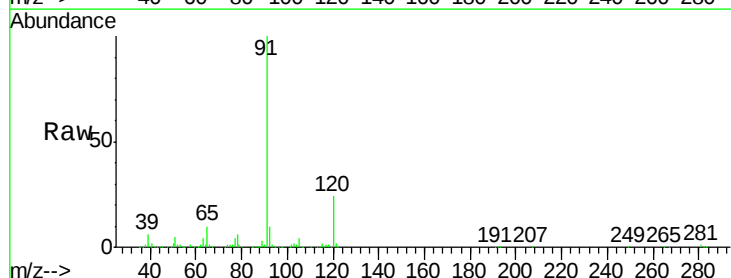
Acq: 13 Jun 2018 11:31

Tgt Ion: 91 Resp: 258818

Ion Ratio Lower Upper

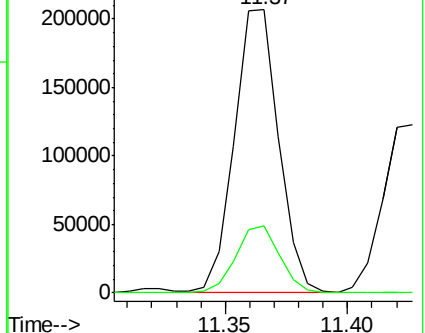
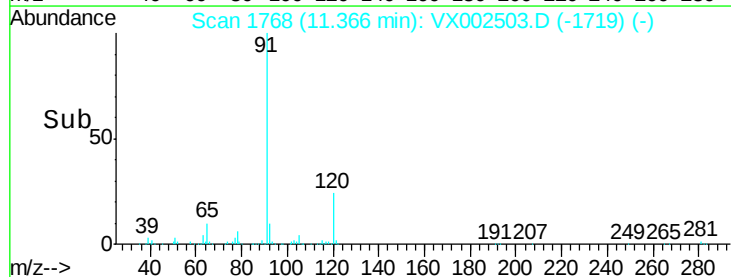
91 100

120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.09 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

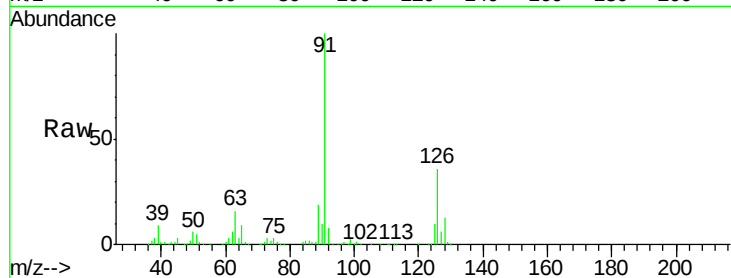
ClientSampled :

Tot Ion: 91 Resp: 161569

Ion Ratio Lower Upper

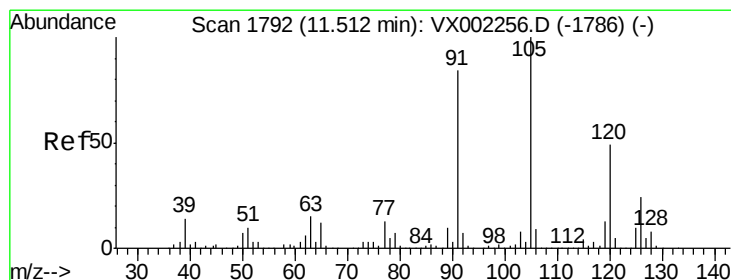
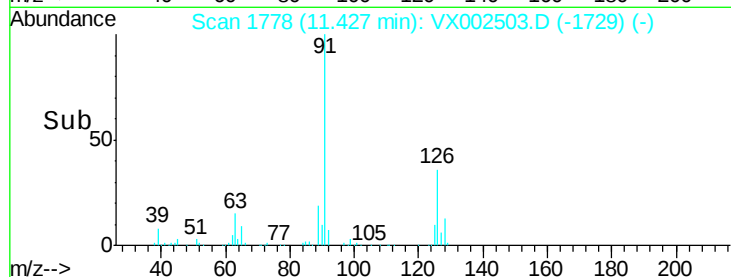
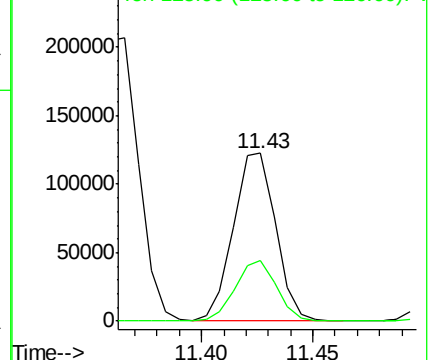
91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002503.D

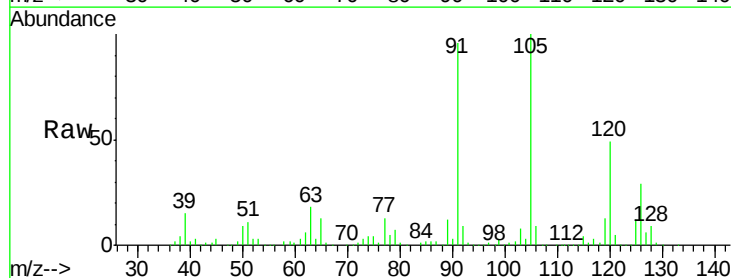
Acq: 13 Jun 2018 11:31

Tgt Ion: 105 Resp: 194862

Ion Ratio Lower Upper

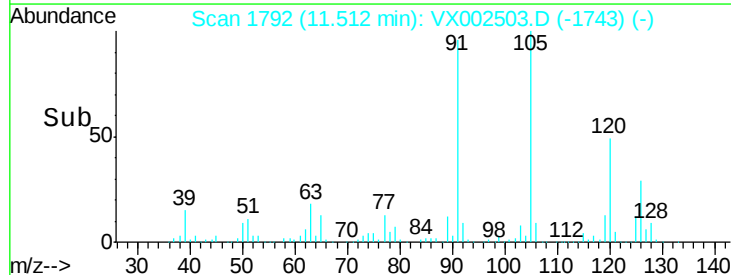
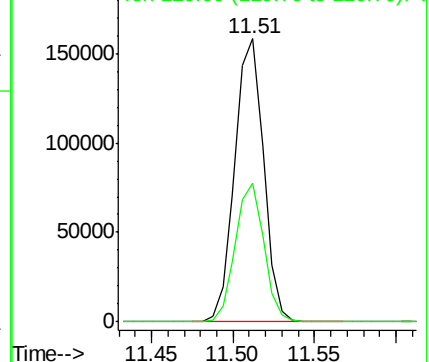
105 100

120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.18 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

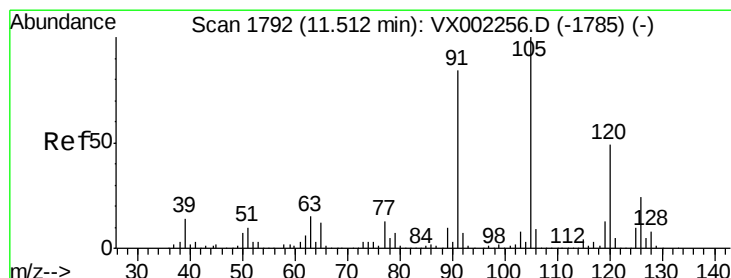
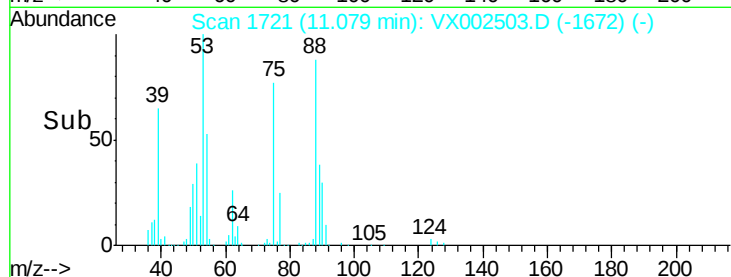
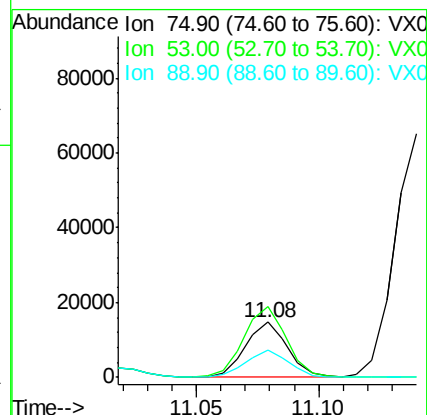
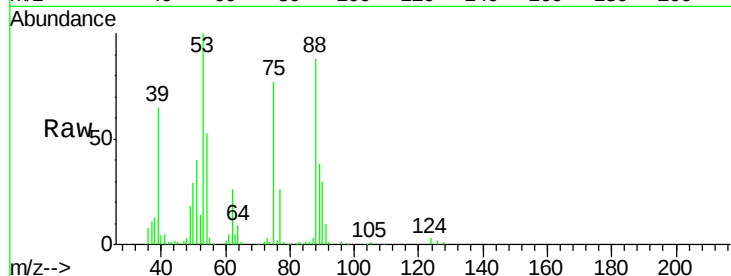
Tot Ion: 75 Resp: 17717

Ion Ratio Lower Upper

75 100

53 130.6 86.8 130.2#

89 50.5 38.2 57.2



#82

4-Chlorotoluene

Concen: 20.52 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002503.D

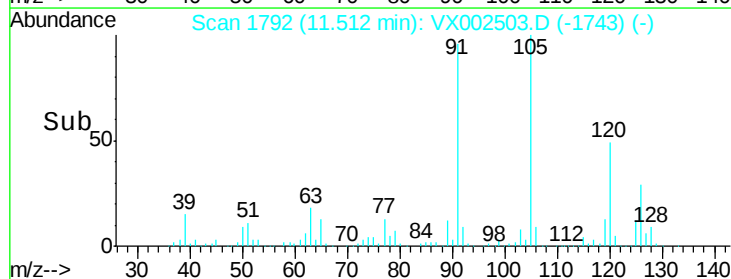
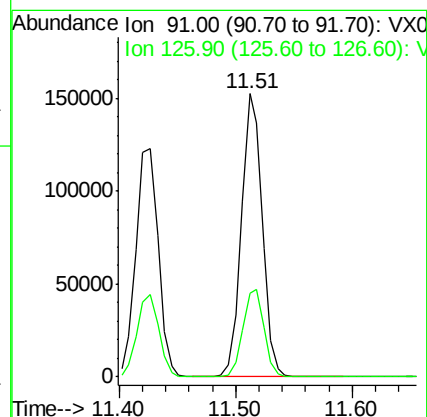
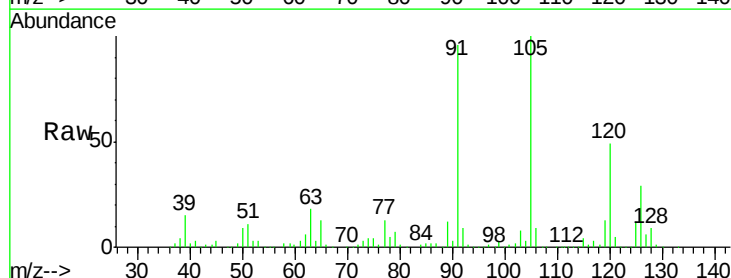
Acq: 13 Jun 2018 11:31

Tgt Ion: 91 Resp: 190459

Ion Ratio Lower Upper

91 100

126 31.5 15.4 46.4

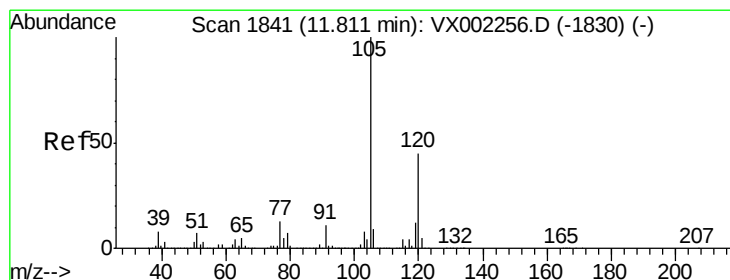
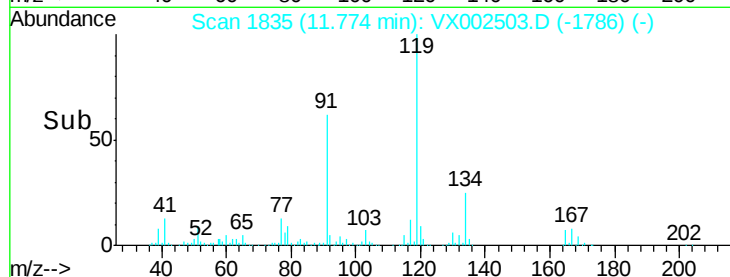
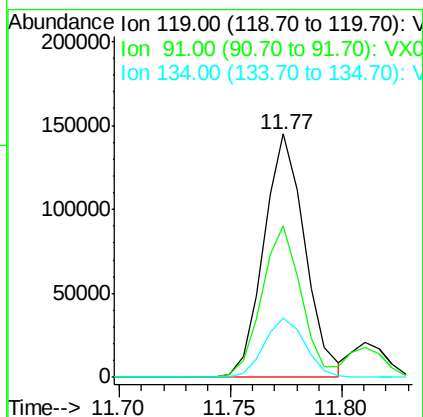
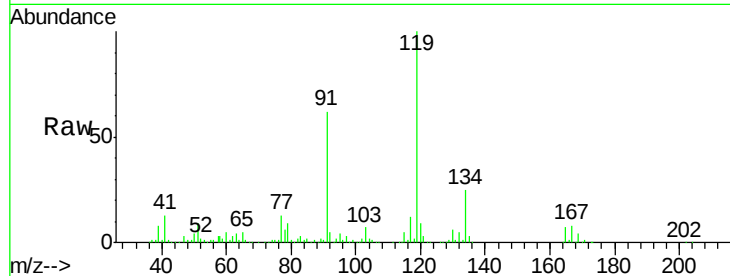




#83
tert-Butylbenzene
Concen: 19.41 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

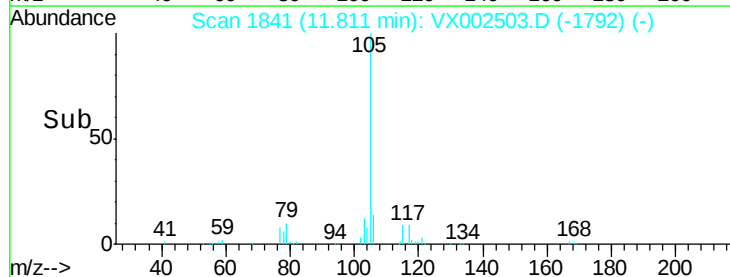
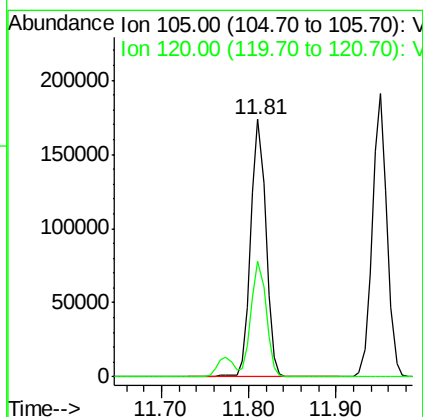
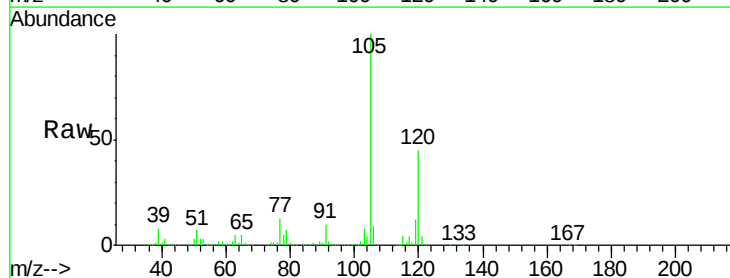
Instrument :
MSVOA_X
ClientSampleId :

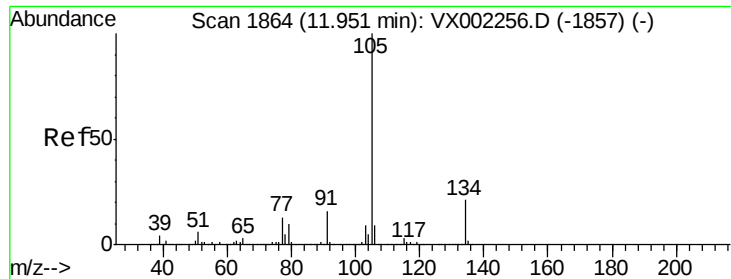
Tot Ion:119 Resp: 185734
Ion Ratio Lower Upper
119 100
91 60.4 30.3 90.9
134 24.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 20.38 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:105 Resp: 206147
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.8

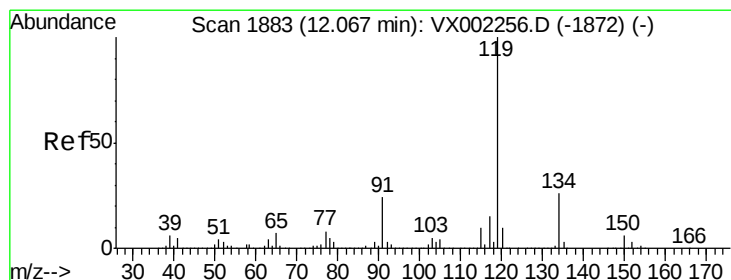
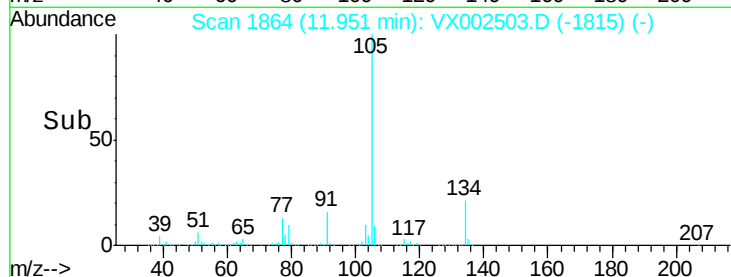
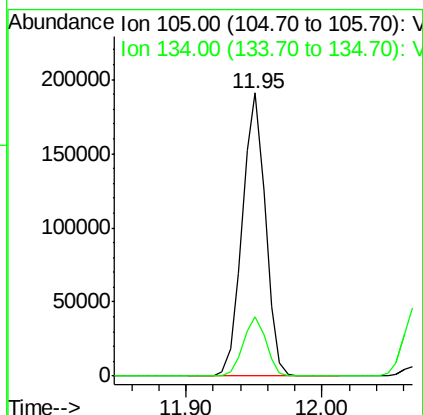
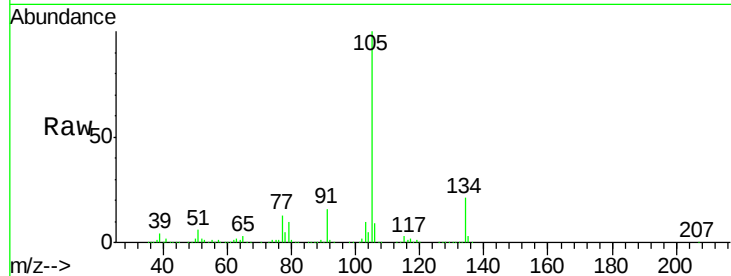




#85
 sec-Butylbenzene
 Concen: 20.12 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

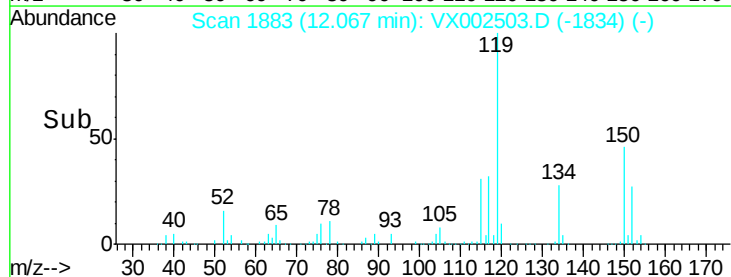
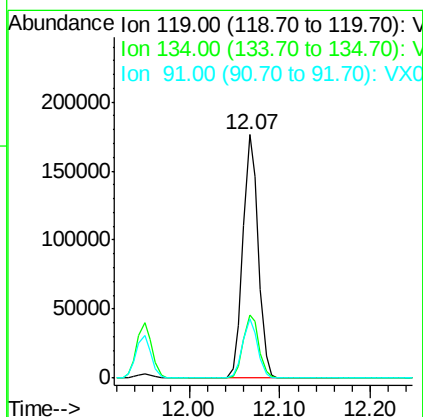
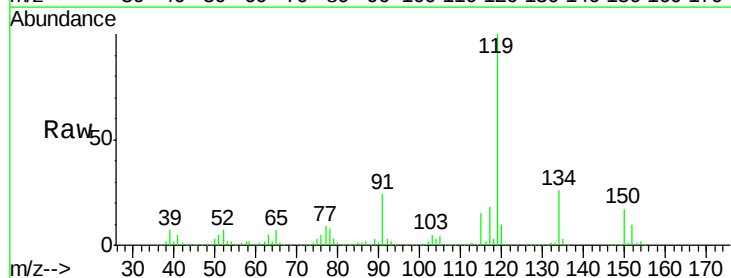
Instrument :
 MSVOA_X
 ClientSampleId :

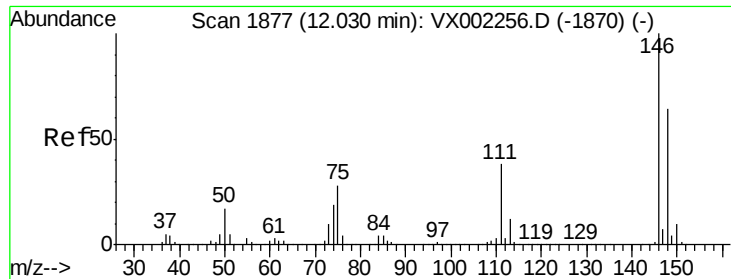
Tot Ion:105 Resp: 225768
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 20.21 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion:119 Resp: 206512
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 23.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 20.96 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

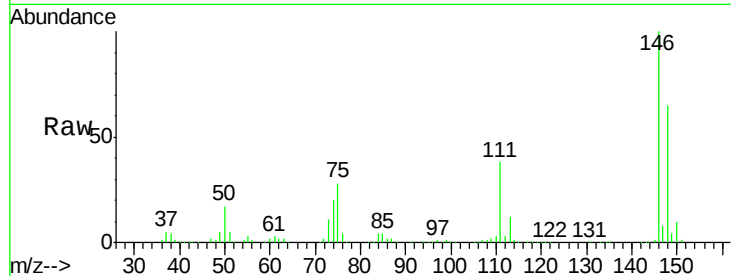
Tot Ion:146 Resp: 120569

Ion Ratio Lower Upper

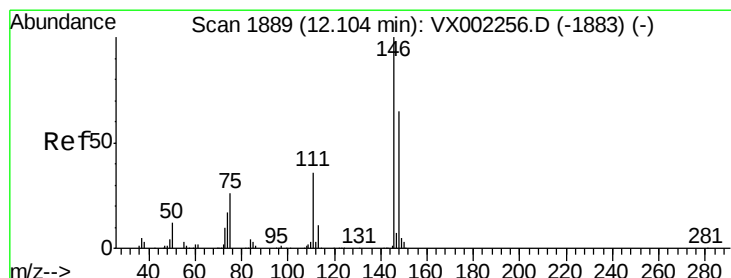
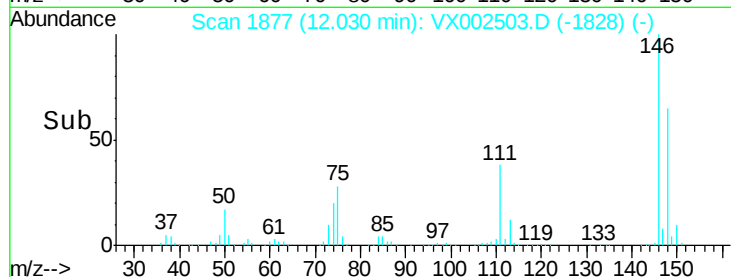
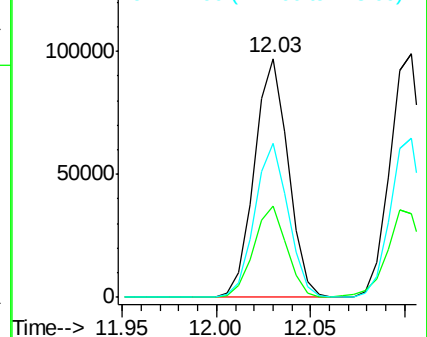
146 100

111 37.5 18.9 56.7

148 63.7 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 20.91 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

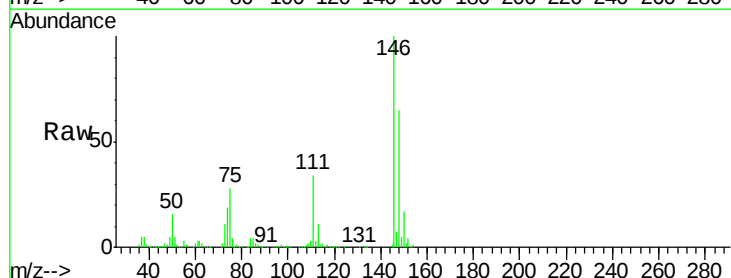
Tgt Ion:146 Resp: 123996

Ion Ratio Lower Upper

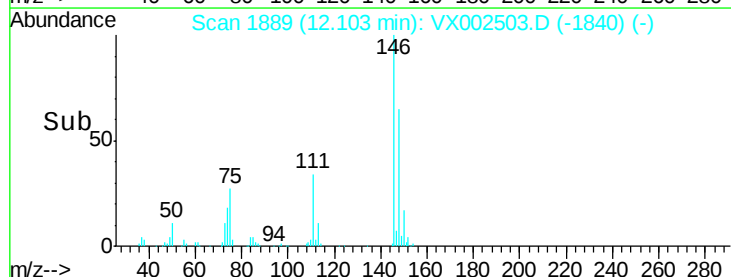
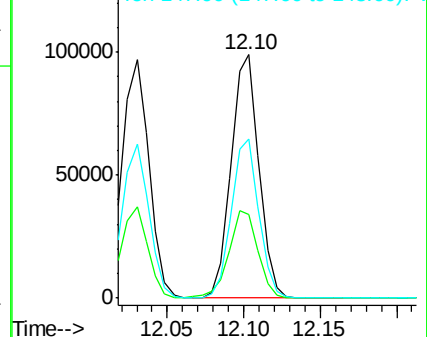
146 100

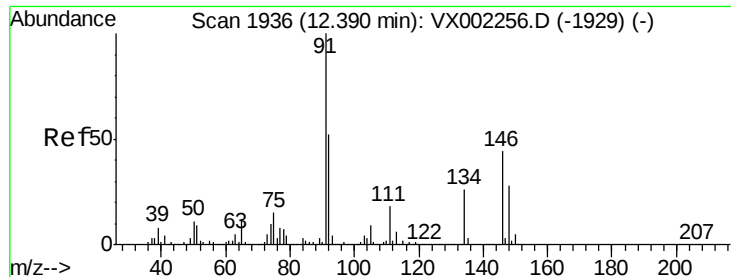
111 37.4 18.7 56.1

148 64.8 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: 20.83 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

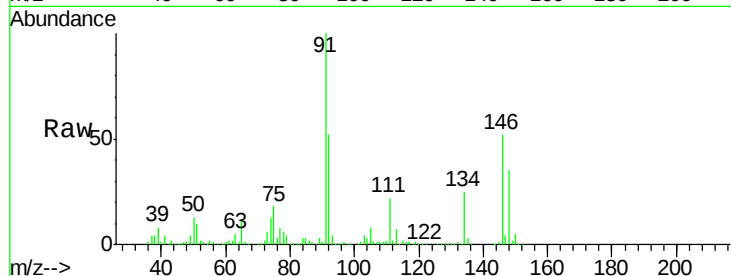
Tot Ion: 91 Resp: 178558

Ion Ratio Lower Upper

91 100

92 51.3 26.0 78.0

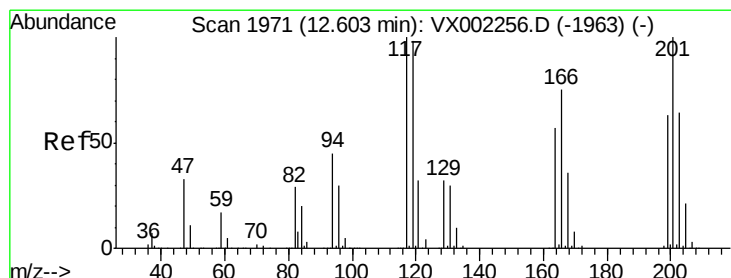
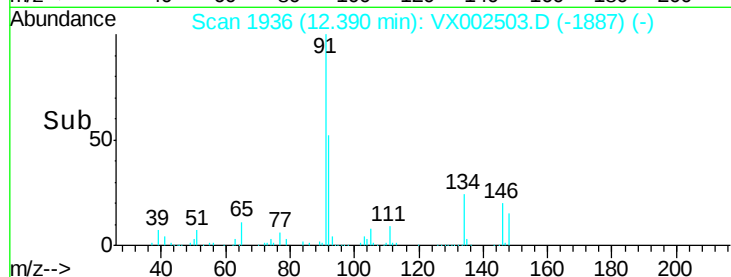
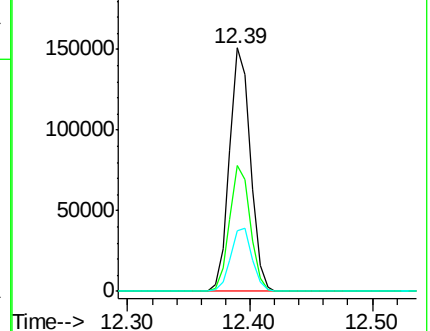
134 26.3 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX002256.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX002256.D (-1929) (-)



#90

Hexachloroethane

Concen: 17.16 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002503.D

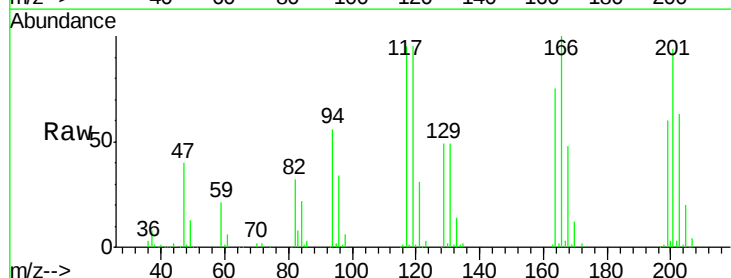
Acq: 13 Jun 2018 11:31

Tgt Ion: 117 Resp: 27991

Ion Ratio Lower Upper

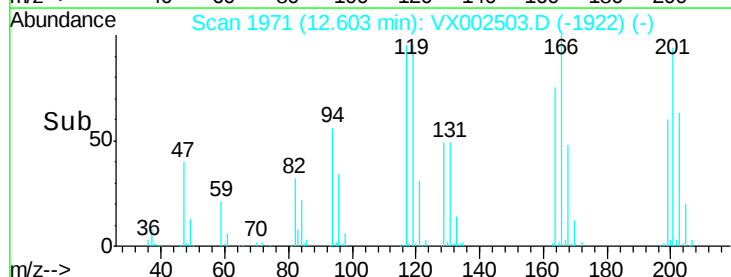
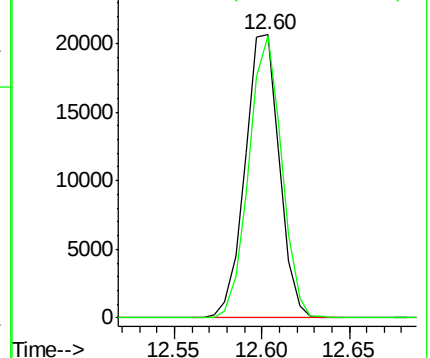
117 100

201 95.2 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX002256.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX002256.D (-1963) (-)





#91

1,2-Dichlorobenzene

Concen: 21.16 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

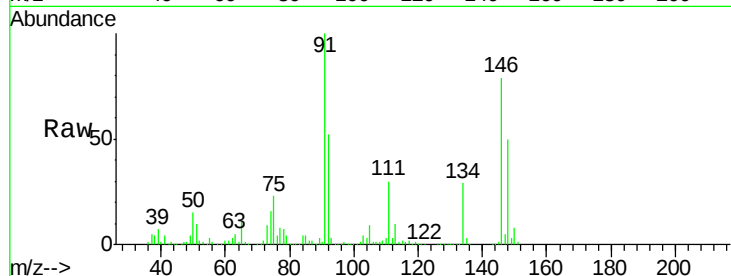
Tot Ion:146 Resp: 125944

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.1

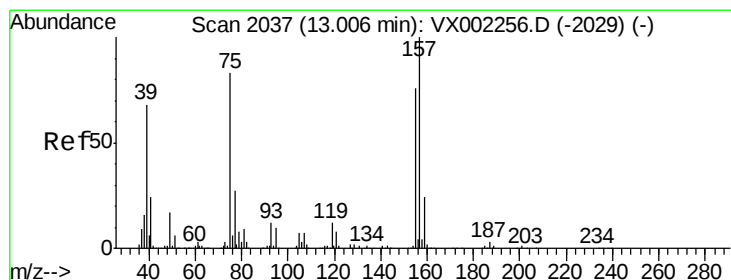
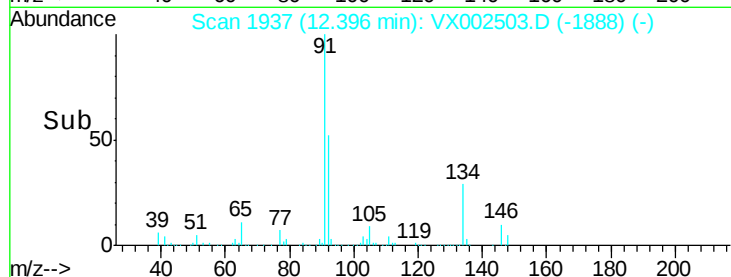
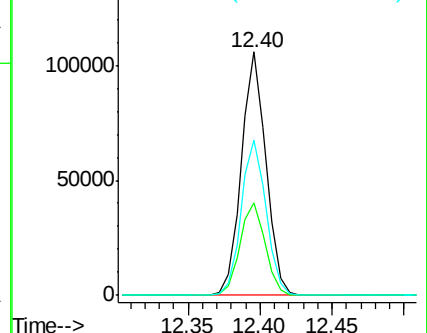
148 64.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.97 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

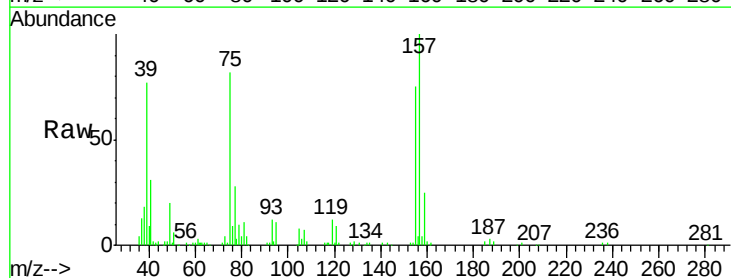
Tgt Ion: 75 Resp: 15737

Ion Ratio Lower Upper

75 100

155 93.1 45.8 137.4

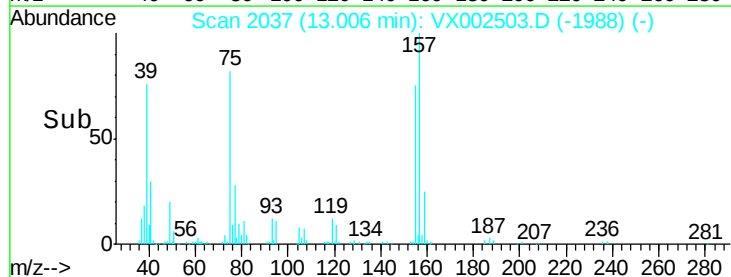
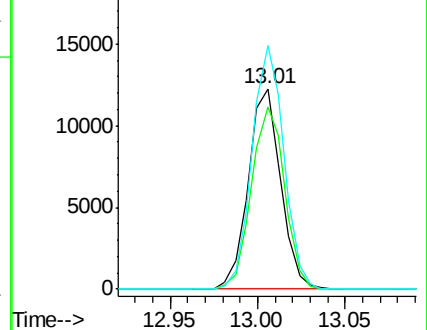
157 120.2 60.1 180.3

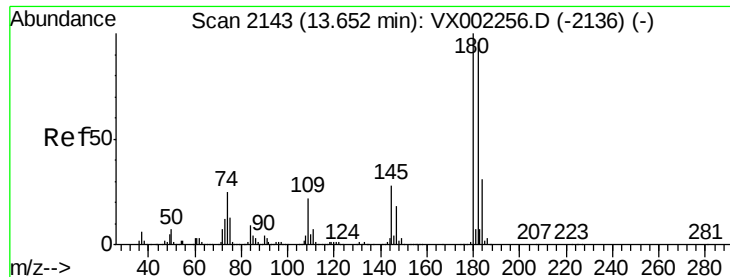


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

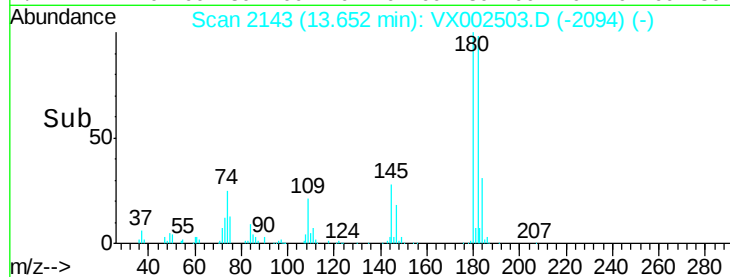
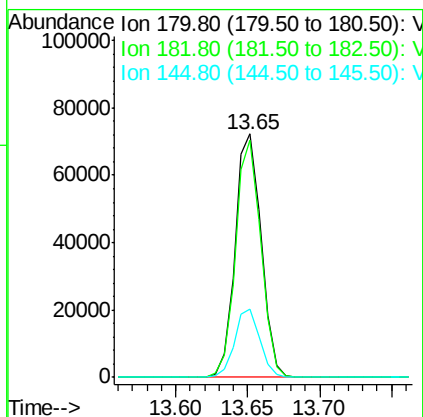
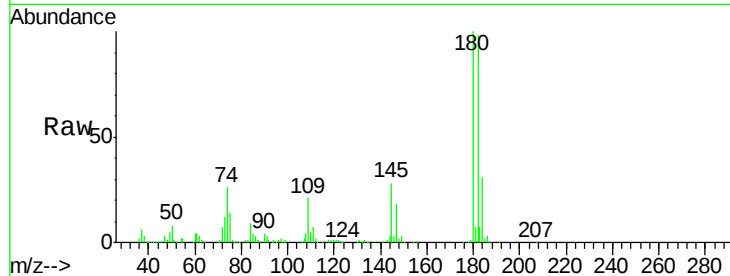




#93
 1,2,4-Trichlorobenzene
 Concen: 21.75 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

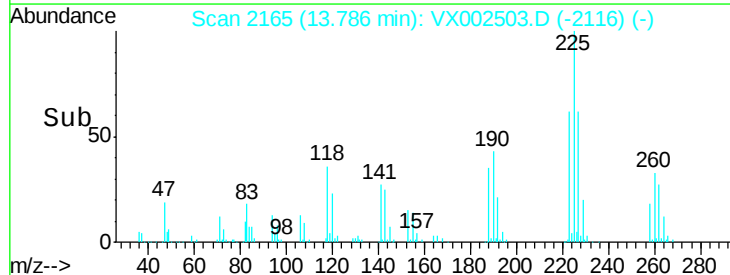
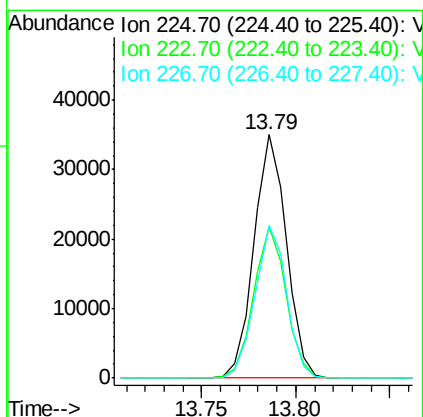
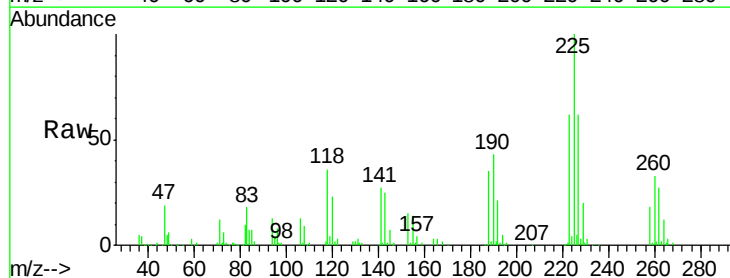
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 90778
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 20.24 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion:225 Resp: 41728
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.6 95.0
 227 61.3 32.4 97.2





#95

Naphthalene

Concen: 21.79 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

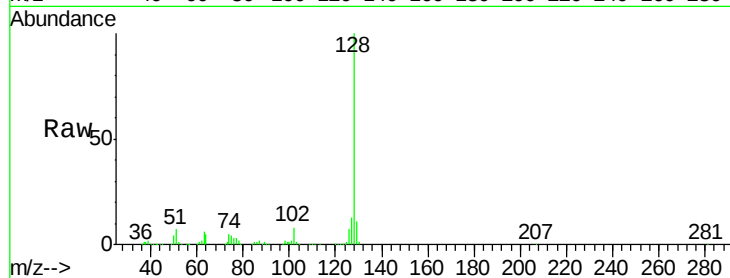
Tot Ion:128 Resp: 261253

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

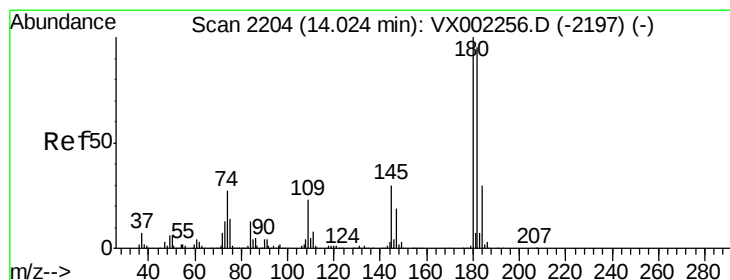
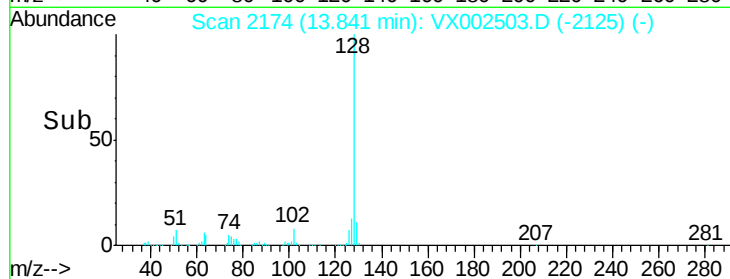
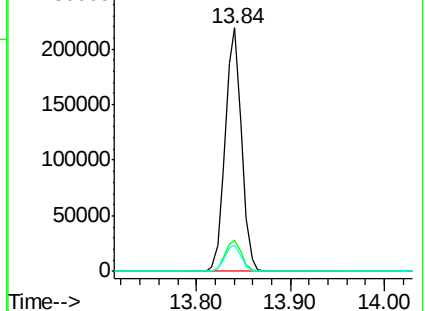
129 10.9 8.6 13.0



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: 21.82 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

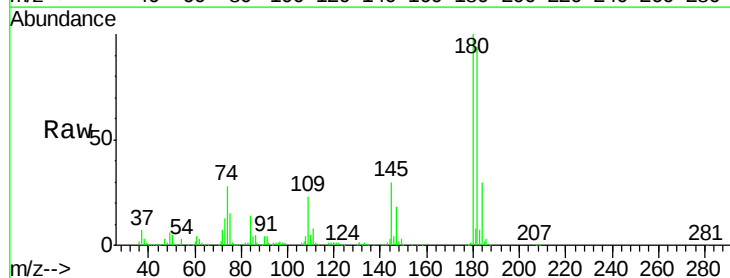
Tgt Ion:180 Resp: 92849

Ion Ratio Lower Upper

180 100

182 97.5 48.0 144.0

145 29.8 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

