

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002833.D
 Acq On : 22 Jun 2018 14:15
 Operator : JC/MD
 Sample : VX0622WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:10:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	45333	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	241482	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	224722	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	105313	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.14	95	110770	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	8.72	98	301333	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	45579	21.07	ug/l	100
3) Chloromethane	1.32	50	46852	19.95	ug/l	100
4) Vinyl Chloride	1.40	62	52175	19.94	ug/l	99
5) Bromomethane	1.64	94	23487	15.36	ug/l	97
6) Chloroethane	1.73	64	33611	19.10	ug/l	93
7) Trichlorofluoromethane	1.93	101	88423	19.01	ug/l	97
8) Diethyl Ether	2.19	74	33109	19.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50872	19.11	ug/l	100
10) 1,1-Dichloroethene	2.37	96	44580	19.02	ug/l	94
11) Methyl Iodide	2.51	142	47998	17.78	ug/l	99
12) Methyl Acetate	2.78	43	83929	22.07	ug/l	97
13) Acrolein	2.29	56	21154	78.23	ug/l	100
14) Acrylonitrile	3.15	53	149438	104.47	ug/l	99
15) Acetone	2.45	58	41386	104.09	ug/l	93
16) Carbon Disulfide	2.57	76	108913	18.56	ug/l	100
17) Allyl chloride	2.73	41	88842	19.05	ug/l	97
18) Methylene Chloride	2.86	84	53448	19.92	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	47730	18.99	ug/l	100
20) Diisopropyl ether	3.88	45	169913	19.55	ug/l	96
21) 1,1-Dichloroethane	3.70	63	94212	20.16	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	54043	20.01	ug/l	94
23) tert-Butyl Alcohol	3.07	59	66693	102.69	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	170121	19.44	ug/l	99
25) Chloroform	5.22	83	97731	20.84	ug/l	99
26) Cyclohexane	5.58	56	75577	19.04	ug/l	# 94
29) 1,1-Dichloropropene	5.81	75	64525	19.79	ug/l	96
30) 2-Butanone	4.71	43	208794	111.89	ug/l	98
31) 2,2-Dichloropropane	4.59	77	69356	19.90	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	80443	20.42	ug/l	99
33) Carbon Tetrachloride	5.79	117	72215	20.39	ug/l	98
34) Benzene	6.15	78	200407	20.75	ug/l	99
35) Methacrylonitrile	5.07	41	44854	22.08	ug/l	96
36) 1,2-Dichloroethane	6.20	62	80790	21.31	ug/l	99
37) Trichloroethene	7.21	130	58851	20.81	ug/l	93
38) Methylcyclohexane	7.46	83	75545	19.04	ug/l	98
39) 1,2-Dichloropropane	7.52	63	52500	20.84	ug/l	95
40) Dibromomethane	7.67	93	37511	21.43	ug/l	96

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 ClientSampleId :

Quant Time: Jun 23 00:10:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	66791	20.32	ug/l	98
42) Vinyl Acetate	3.83	43	728113	102.88	ug/l	100
43) Ethyl Acetate	4.87	43	80242	22.48	ug/l	99
44) Isopropyl Acetate	6.47	43	126345	21.13	ug/l	100
45) 1,4-Dioxane	7.76	88	25849	441.25	ug/l #	88
46) Methyl methacrylate	7.78	41	66153	21.65	ug/l	98
47) n-amyl Acetate	10.90	43	110369	19.56	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	76245	19.75	ug/l	97
49) cis-1,3-Dichloropropene	9.04	75	69515	19.28	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	54857	21.25	ug/l	97
51) Ethyl methacrylate	9.18	69	80004	20.53	ug/l	97
52) 1,3-Dichloropropane	9.37	76	89539	21.23	ug/l	99
53) Dibromochloromethane	9.59	129	54208	19.78	ug/l	99
54) 1,2-Dibromoethane	9.68	107	57322	21.07	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	169620	91.64	ug/l	99
56) Bromoform	10.86	173	40928	18.71	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	426301	111.73	ug/l	98
59) 2-Hexanone	9.50	43	326038	111.78	ug/l	99
61) Tetrachloroethene	9.34	164	67982	22.04	ug/l	96
62) Toluene	8.79	91	224633	20.74	ug/l	98
64) Chlorobenzene	10.14	112	148916	20.69	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	54522	20.67	ug/l	98
66) Ethyl Benzene	10.26	91	246420	20.20	ug/l	100
67) m/p-Xylenes	10.36	106	191417	40.38	ug/l	99
68) o-Xylene	10.70	106	92787	20.09	ug/l	99
69) Styrene	10.71	104	153613	19.93	ug/l	99
70) Isopropylbenzene	11.02	105	256201	20.12	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	79850	20.97	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	91001	27.57	ug/l	94
73) Bromobenzene	11.26	156	71135	20.08	ug/l	94
74) n-propylbenzene	11.37	91	291951	19.75	ug/l	99
75) 2-Chlorotoluene	11.43	91	176036	20.46	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	214299	19.82	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	19161	18.05	ug/l	79
78) 4-Chlorotoluene	11.51	91	204470	20.06	ug/l	100
79) tert-butylbenzene	12.07	119	227094	19.04	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	221169	20.03	ug/l	99
81) sec-Butylbenzene	11.95	105	254875	19.27	ug/l	99
82) p-Isopropyltoluene	12.07	119	227094	19.04	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	127980	19.64	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	130169	19.77	ug/l	99
85) n-Butylbenzene	12.39	91	191744	18.14	ug/l	99
86) Hexachloroethane	12.60	117	31523	17.44	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	129780	19.72	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	16801	19.75	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	92710	18.66	ug/l	100
90) Hexachlorobutadiene	13.79	225	47513	18.37	ug/l	99
91) Naphthalene	13.84	128	265661	20.17	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	96816	19.59	ug/l	99

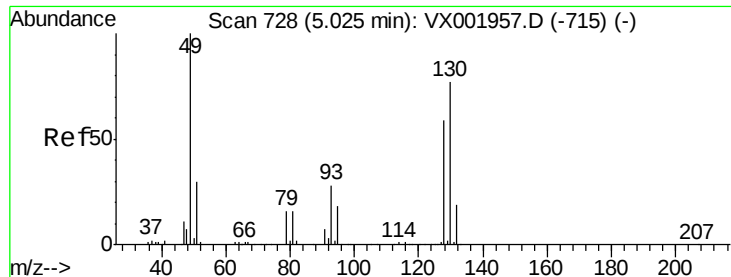
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QLast Update : Mon Jun 18 15:18:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

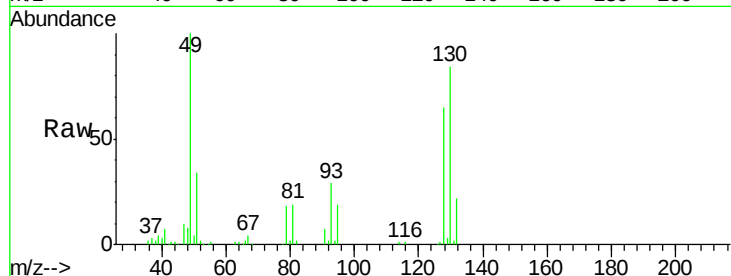
Tot Ion:128 Resp: 45333

Ion Ratio Lower Upper

128 100

49 161.7 0.0 423.0

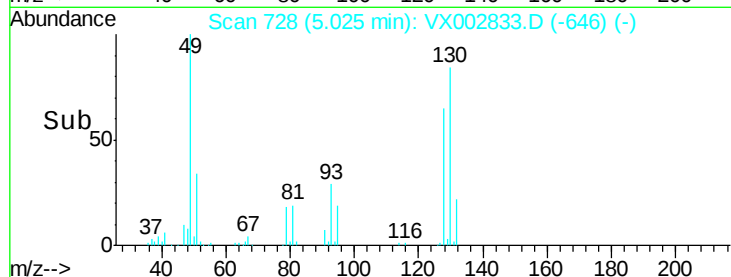
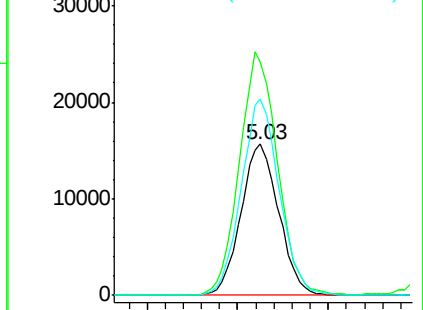
130 130.5 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.07 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002833.D

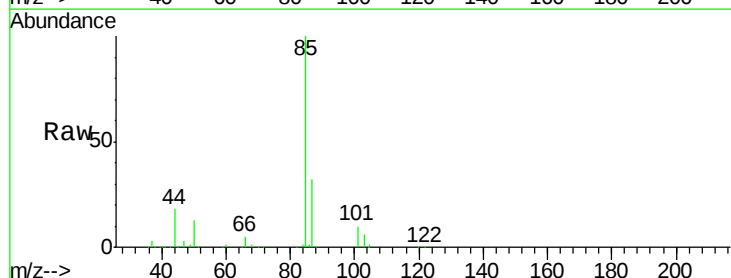
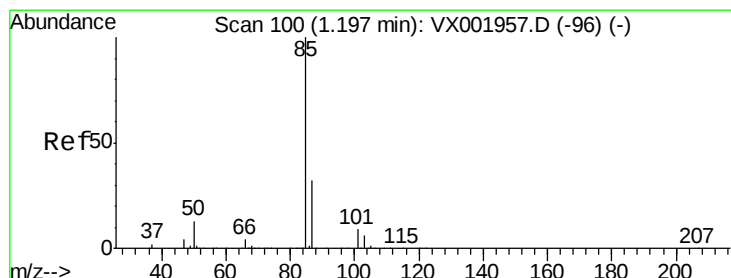
Acq: 22 Jun 2018 14:15

Tgt Ion: 85 Resp: 45579

Ion Ratio Lower Upper

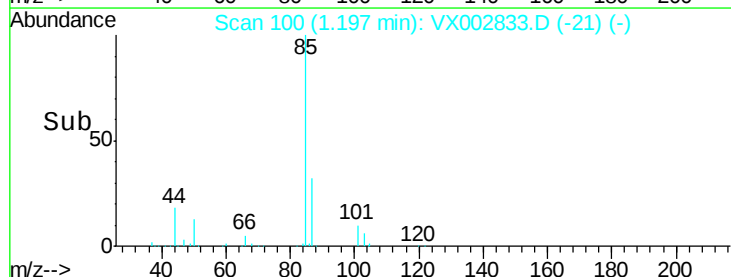
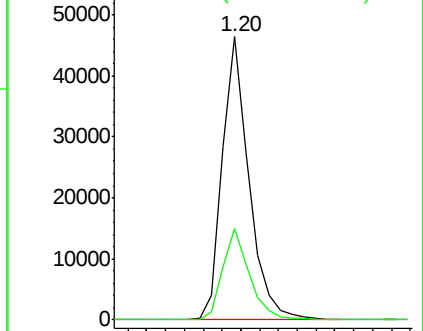
85 100

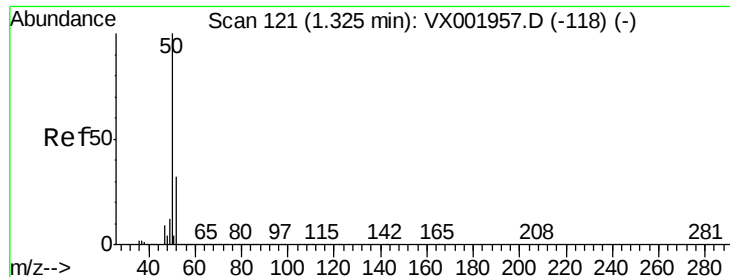
87 32.3 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

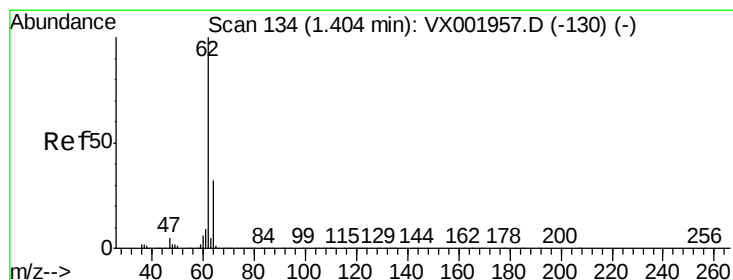
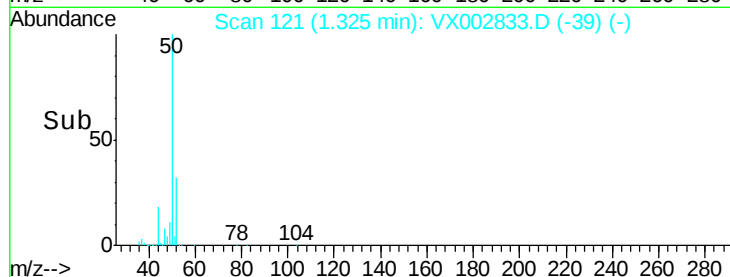
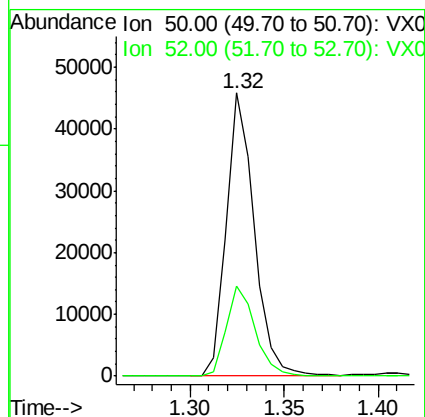
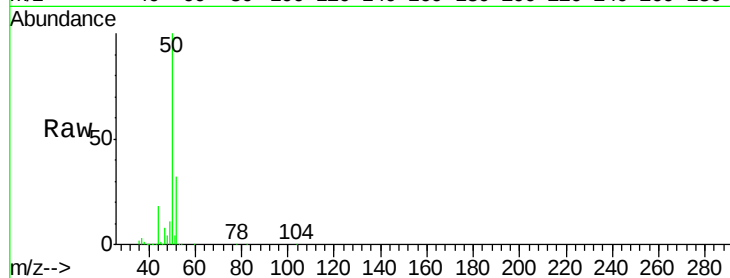
ClientSampled :

Tot Ion: 50 Resp: 46852

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4



#4

Vinyl Chloride

Concen: 19.94 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002833.D

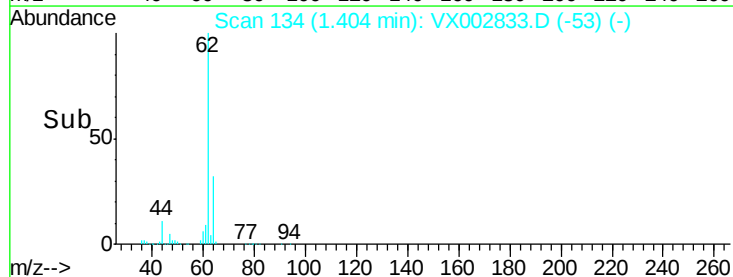
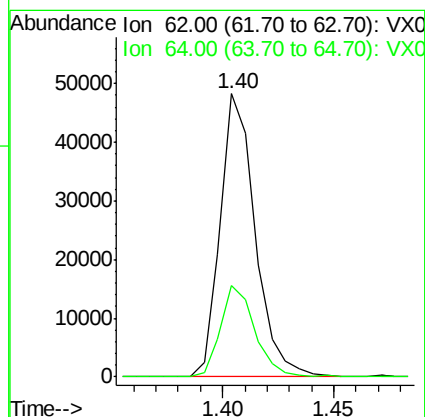
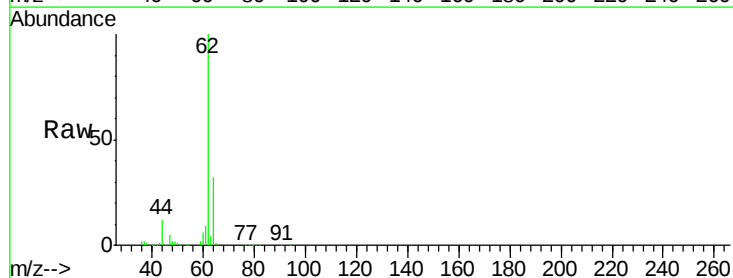
Acq: 22 Jun 2018 14:15

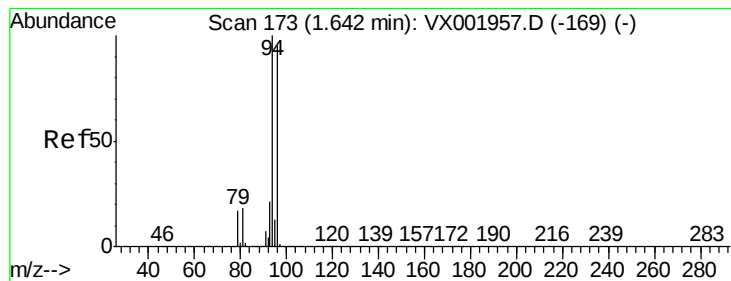
Tgt Ion: 62 Resp: 52175

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 15.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

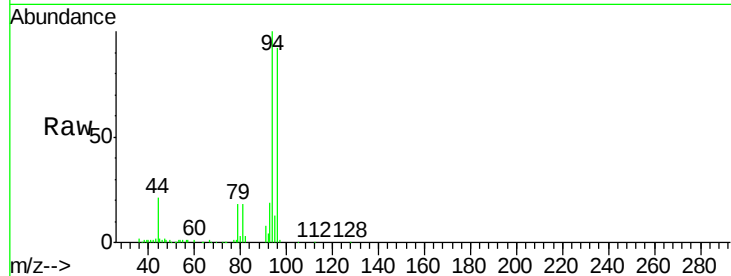
ClientSampleId :

Tot Ion: 94 Resp: 23487

Ion Ratio Lower Upper

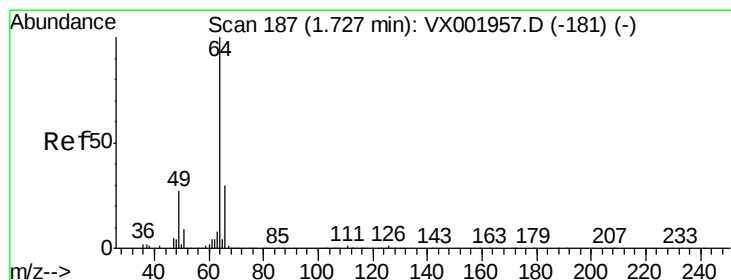
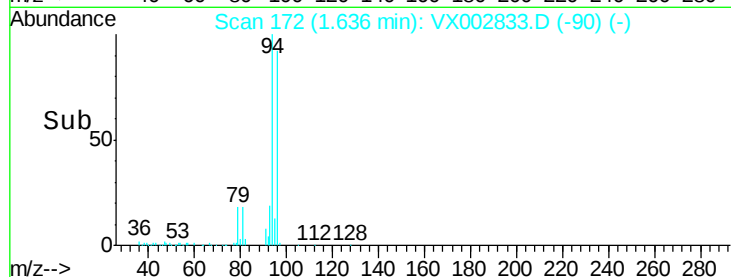
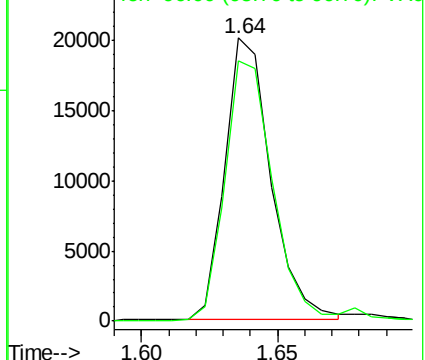
94 100

96 91.7 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.10 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX002833.D

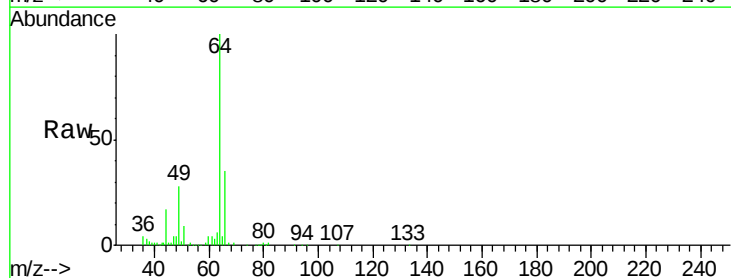
Acq: 22 Jun 2018 14:15

Tgt Ion: 64 Resp: 33611

Ion Ratio Lower Upper

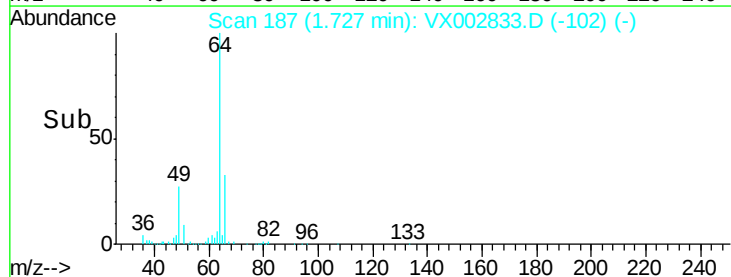
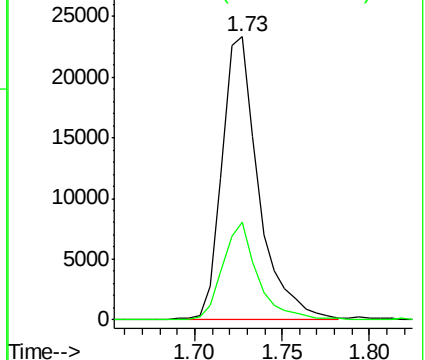
64 100

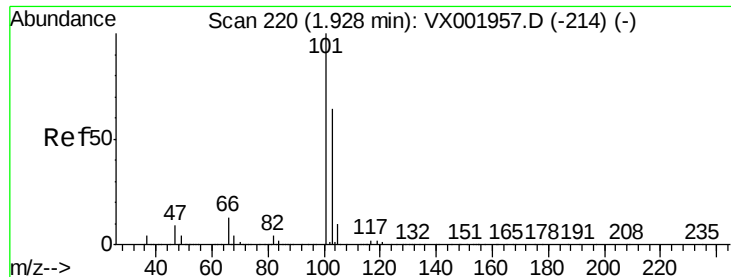
66 34.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



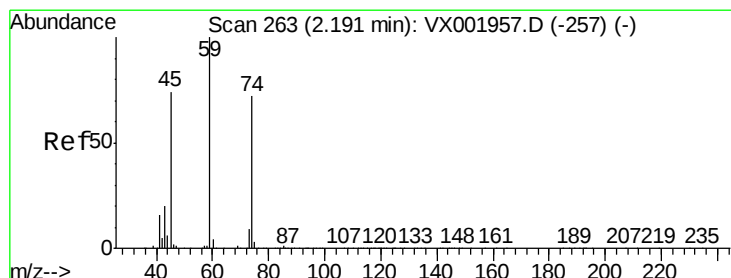
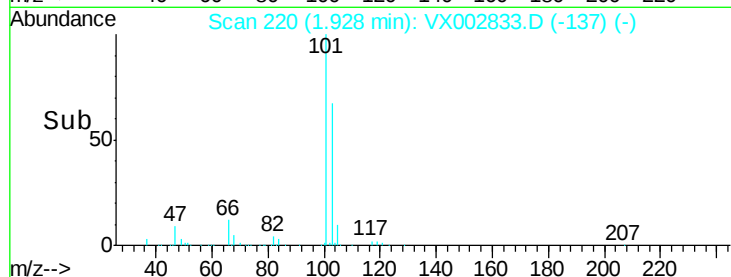
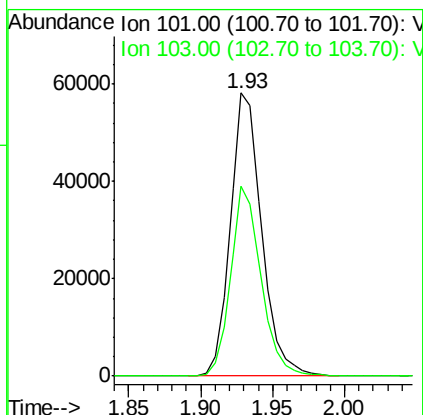
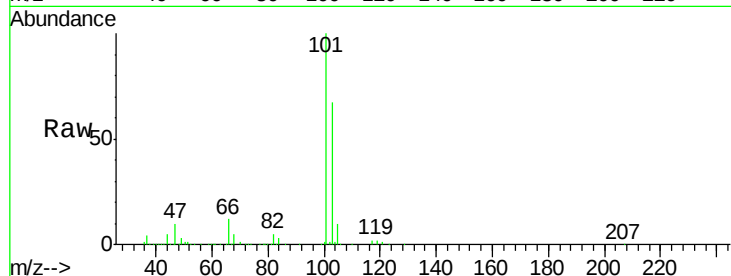


#7

Trichlorofluoromethane
Concen: 19.01 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

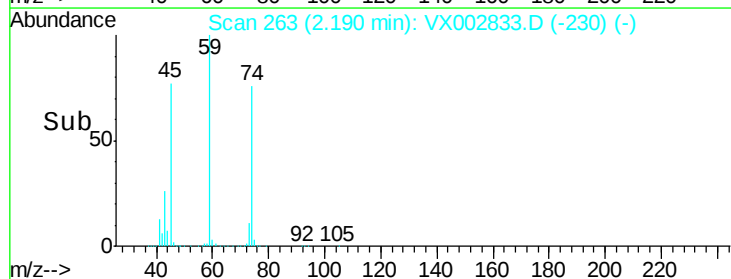
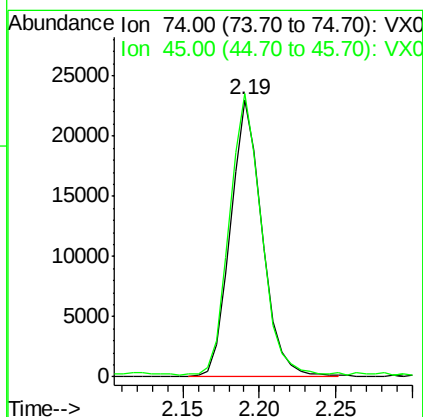
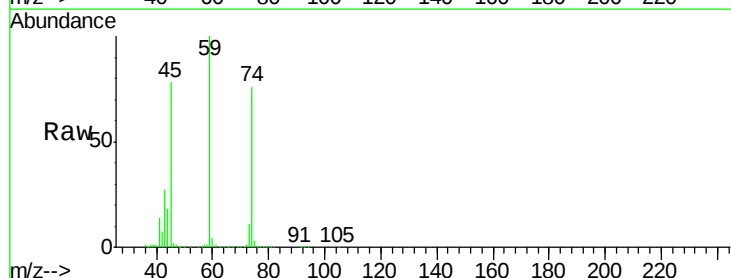
Tot Ion:101 Resp: 88423
Ion Ratio Lower Upper
101 100
103 67.0 51.5 77.3

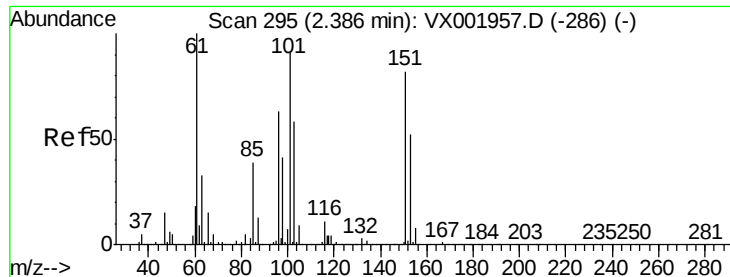


#8

Diethyl Ether
Concen: 19.96 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 74 Resp: 33109
Ion Ratio Lower Upper
74 100
45 101.9 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.11 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

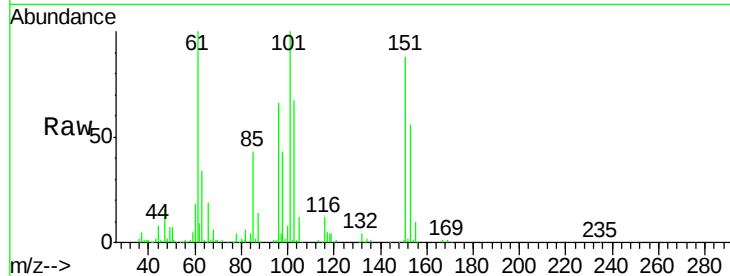
Tot Ion:101 Resp: 50872

Ion Ratio Lower Upper

101 100

85 43.6 0.0 87.0

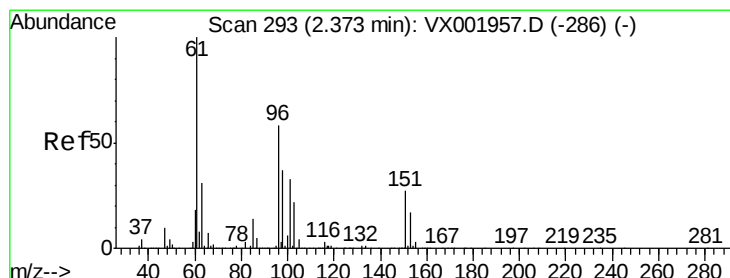
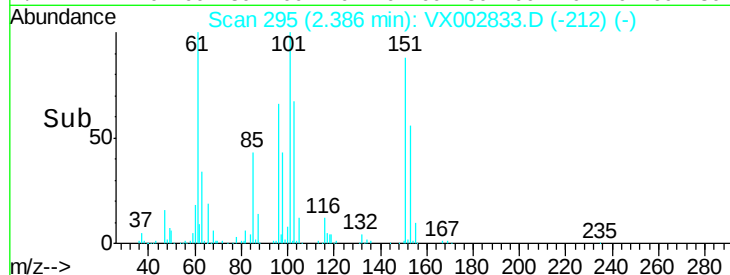
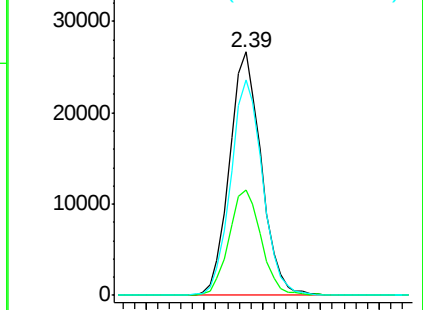
151 88.6 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.02 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

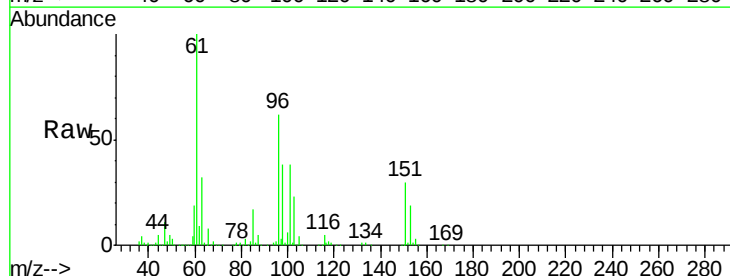
Tgt Ion: 96 Resp: 44580

Ion Ratio Lower Upper

96 100

61 162.1 137.5 206.3

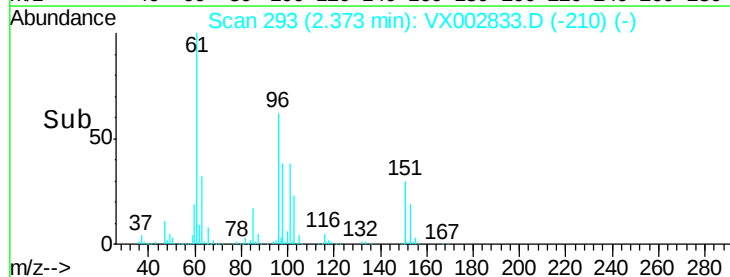
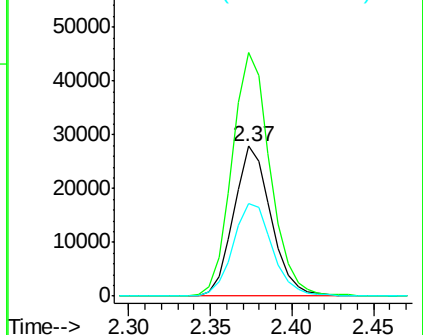
98 61.7 51.4 77.2

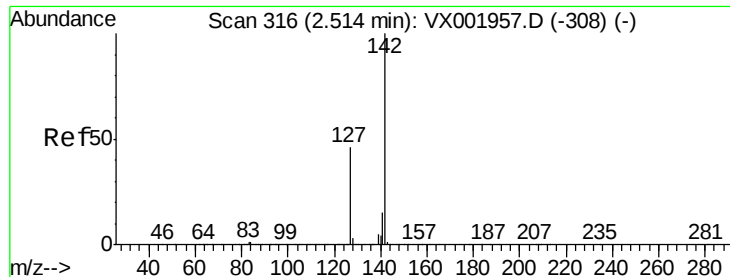


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

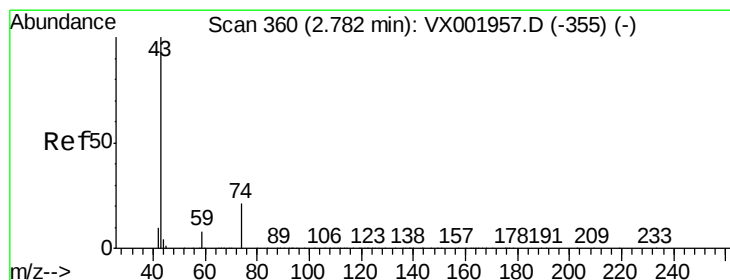
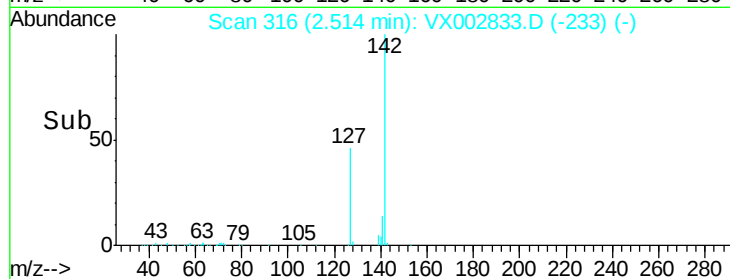
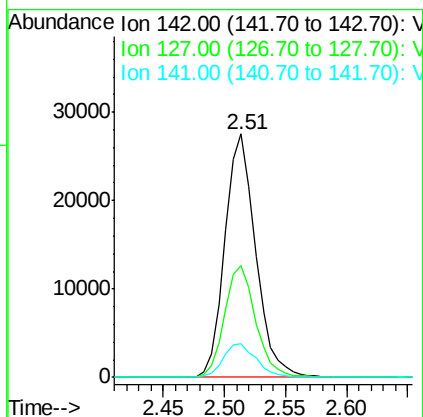
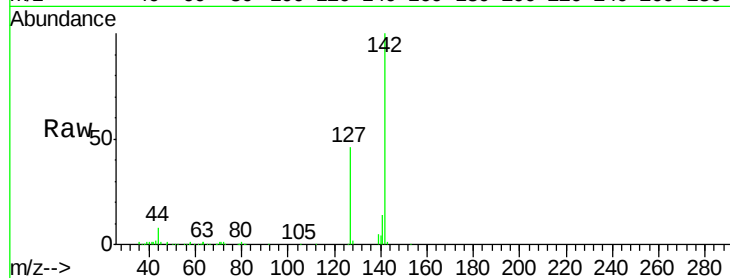




#11
Methvl Iodide
Concen: 17.78 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

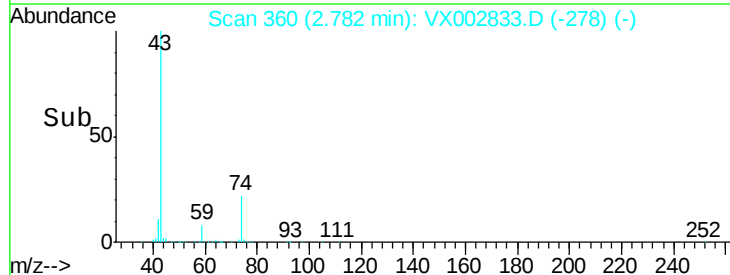
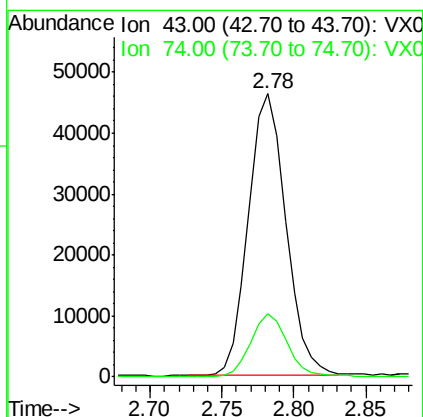
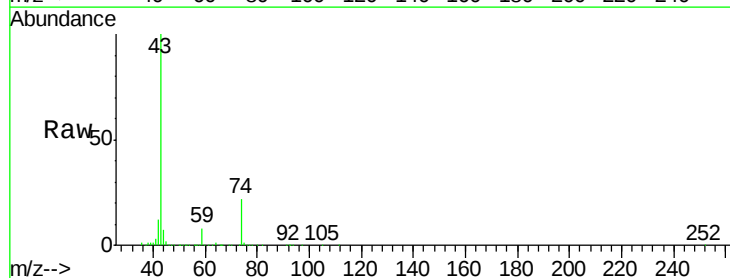
Instrument :
MSVOA_X
ClientSampleId :

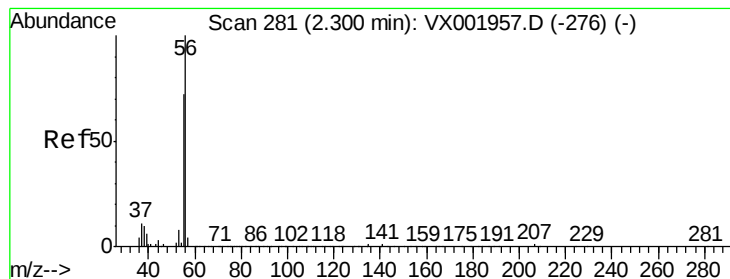
Tot Ion:142 Resp: 47998
Ion Ratio Lower Upper
142 100
127 45.8 23.2 69.6
141 13.7 7.4 22.2



#12
Methyl Acetate
Concen: 22.07 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 83929
Ion Ratio Lower Upper
43 100
74 22.0 16.4 24.6





#13

Acrolein

Concen: 78.23 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

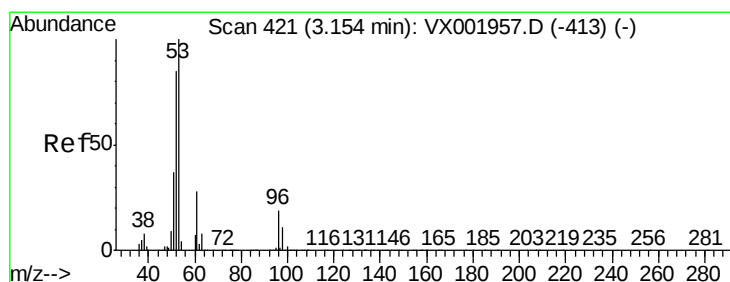
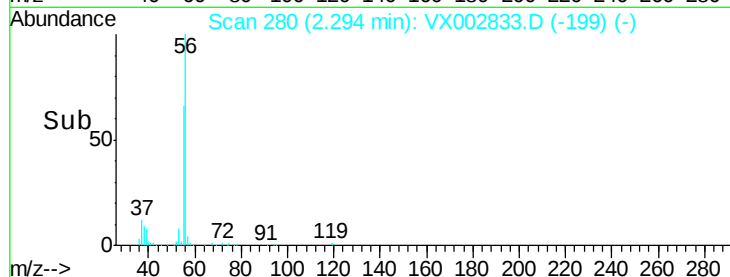
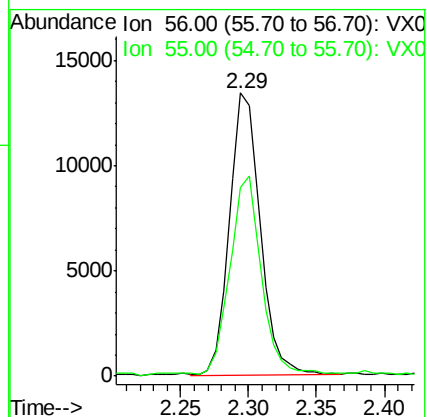
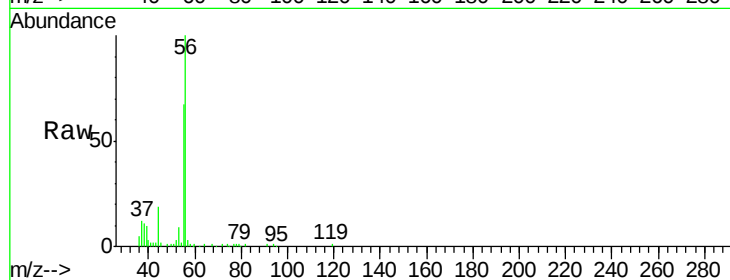
ClientSampleId :

Tot Ion: 56 Resp: 21154

Ion Ratio Lower Upper

56 100

55 71.3 57.3 85.9



#14

Acrylonitrile

Concen: 104.47 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

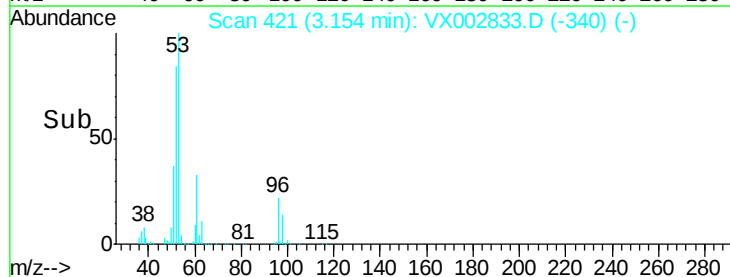
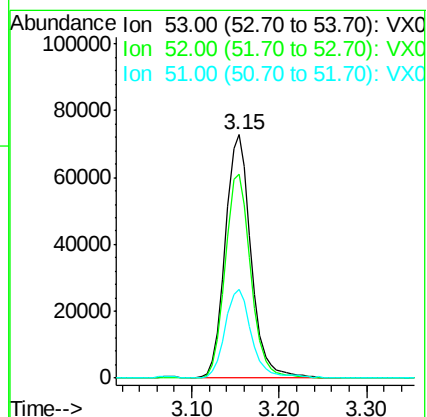
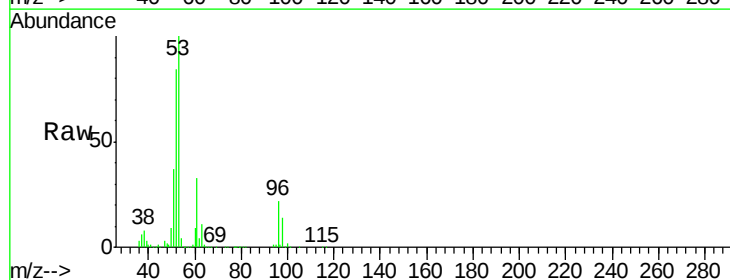
Tgt Ion: 53 Resp: 149438

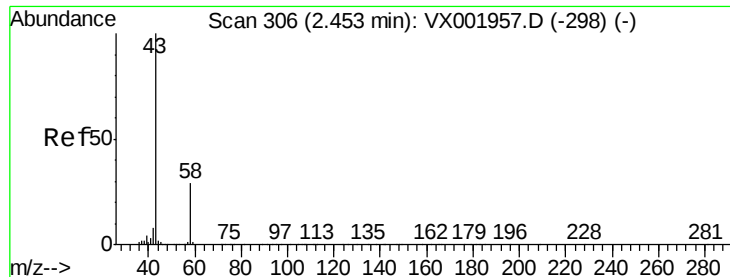
Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.6

51 36.9 17.9 53.8





#15

Acetone

Concen: 104.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

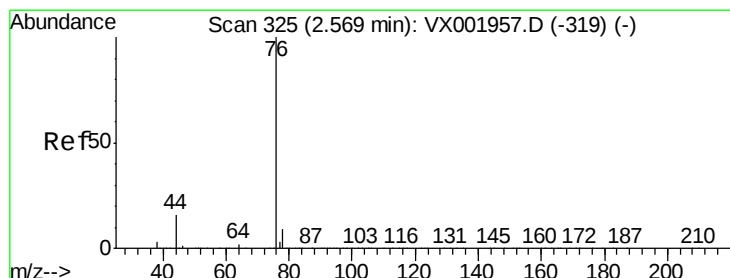
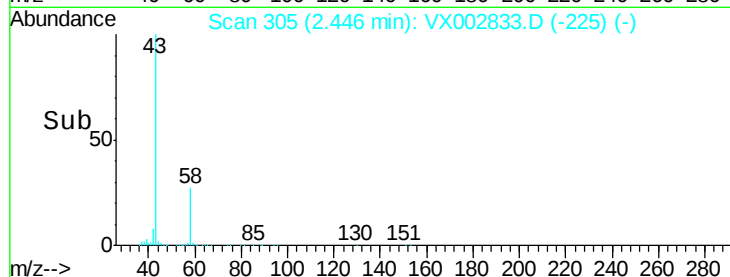
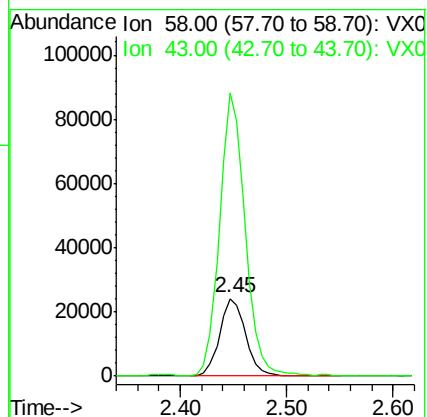
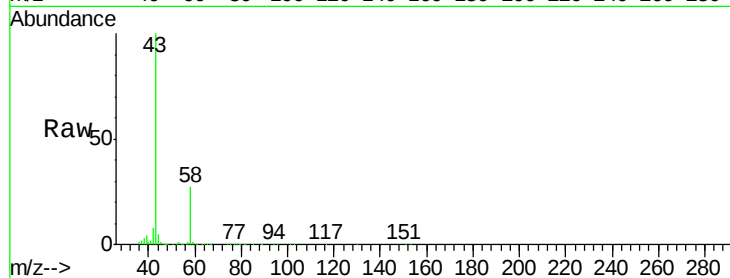
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 41386

Ion Ratio Lower Upper

58 100

43 364.0 278.8 418.2



#16

Carbon Disulfide

Concen: 18.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002833.D

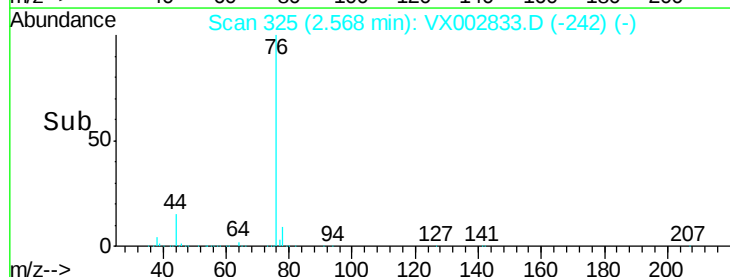
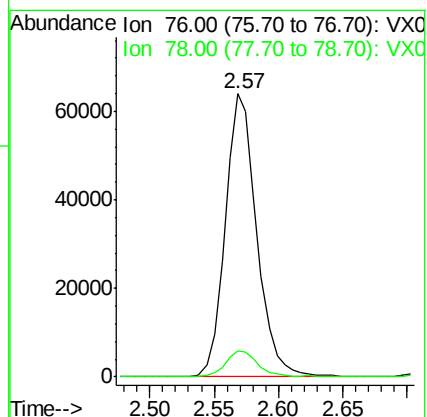
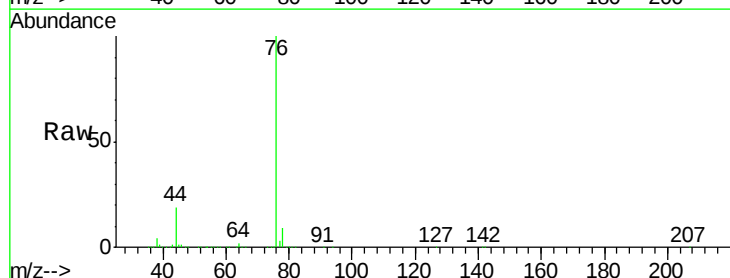
Acq: 22 Jun 2018 14:15

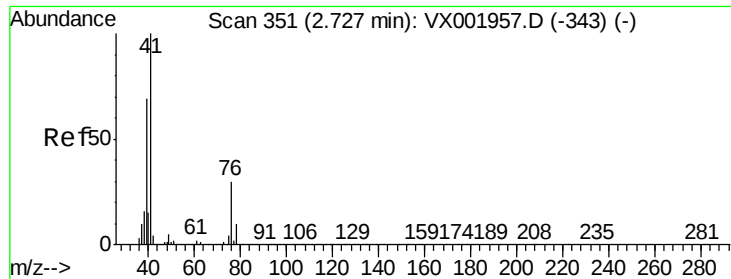
Tgt Ion: 76 Resp: 108913

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

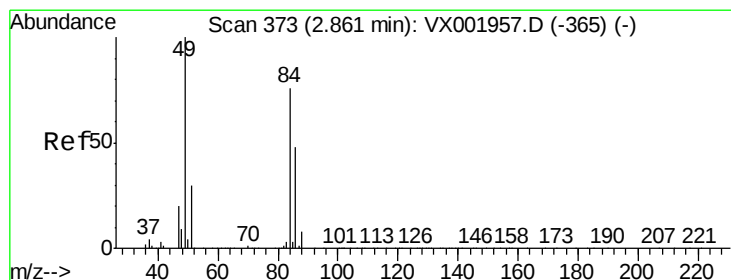
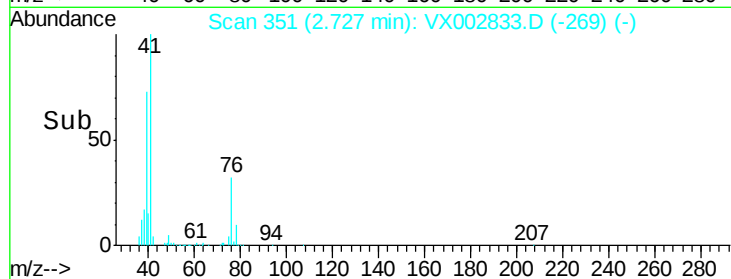
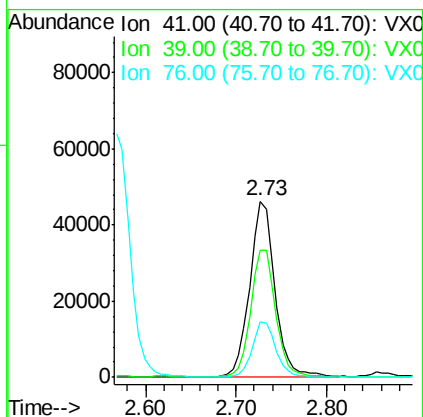
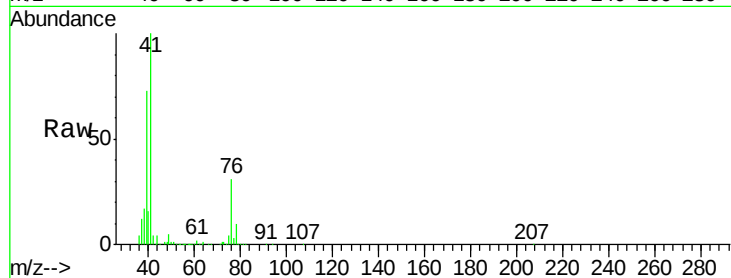




#17
Allvl chloride
Concen: 19.05 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

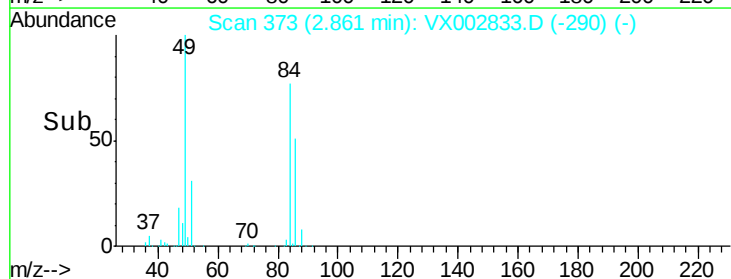
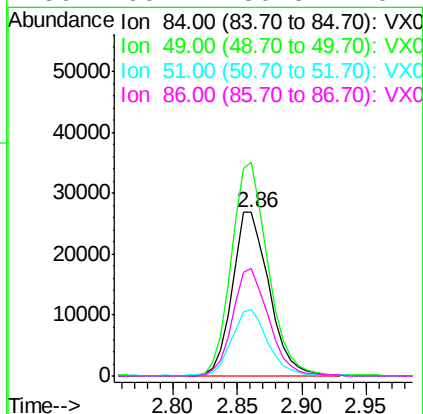
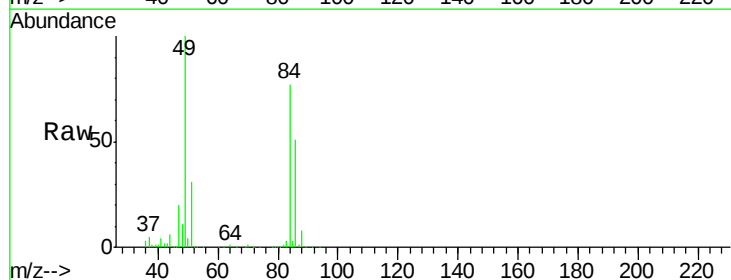
Instrument :
MSVOA_X
ClientSampleId :

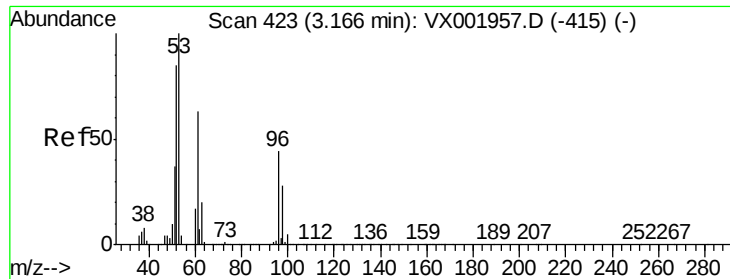
Tot Ion: 41 Resp: 88842
Ion Ratio Lower Upper
41 100
39 72.4 34.6 103.8
76 31.4 15.0 45.1



#18
Methylene Chloride
Concen: 19.92 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 84 Resp: 53448
Ion Ratio Lower Upper
84 100
49 130.5 104.7 157.1
51 39.9 31.0 46.4
86 66.1 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 18.99 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

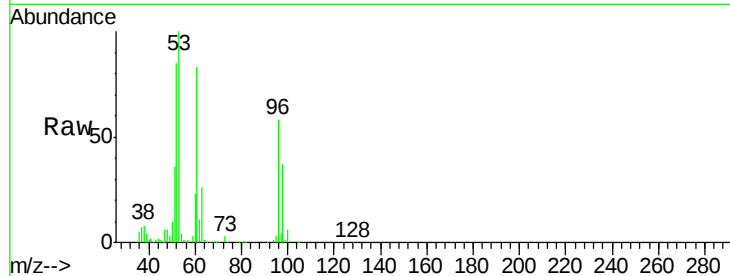
Tot Ion: 96 Resp: 47730

Ion Ratio Lower Upper

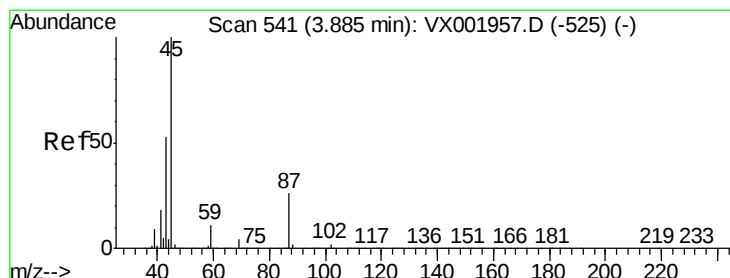
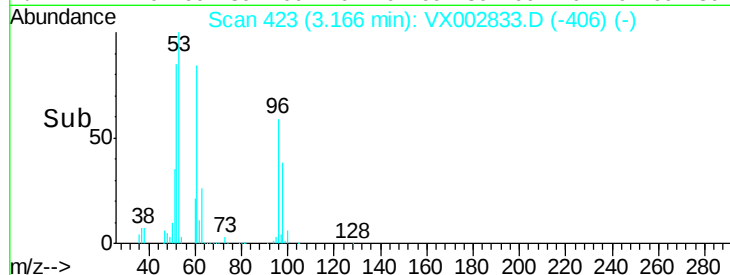
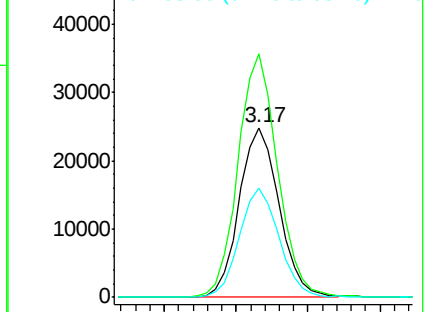
96 100

61 143.4 114.6 172.0

98 64.2 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 19.55 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion: 45 Resp: 169913

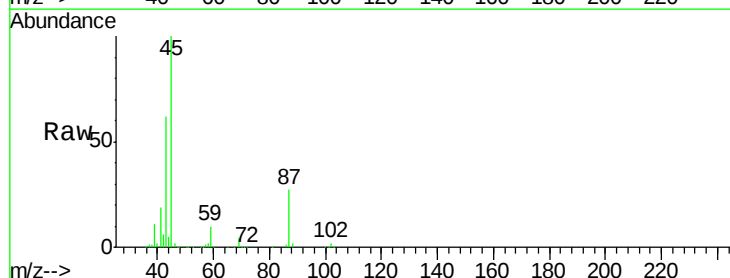
Ion Ratio Lower Upper

45 100

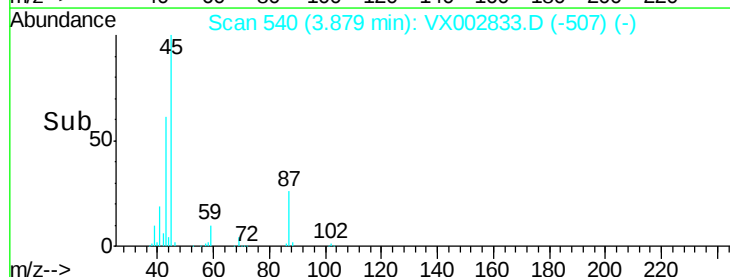
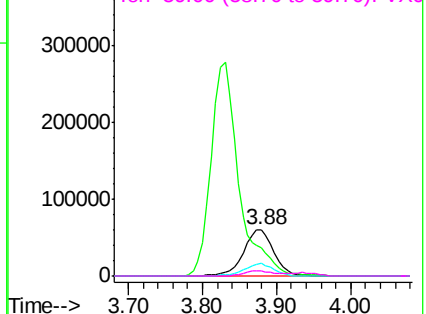
43 60.8 45.6 68.4

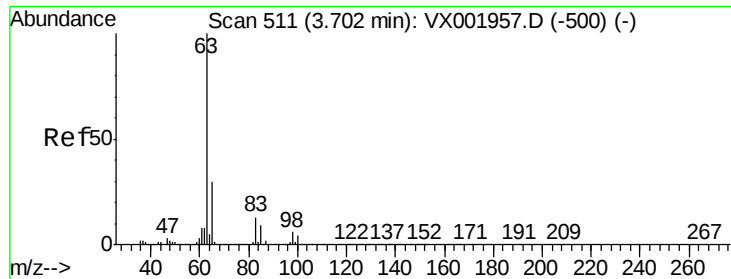
87 26.6 20.7 31.1

59 10.4 8.9 13.3



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





#21

1,1-Dichloroethane

Concen: 20.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

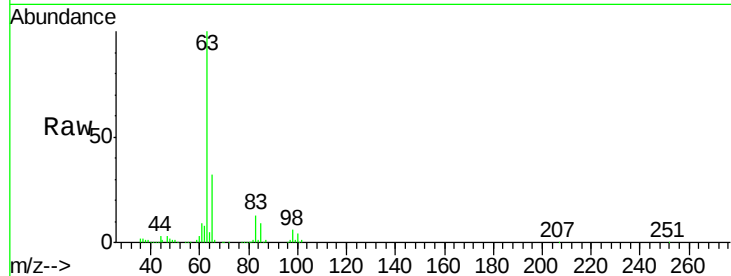
Tot Ion: 63 Resp: 94212

Ion Ratio Lower Upper

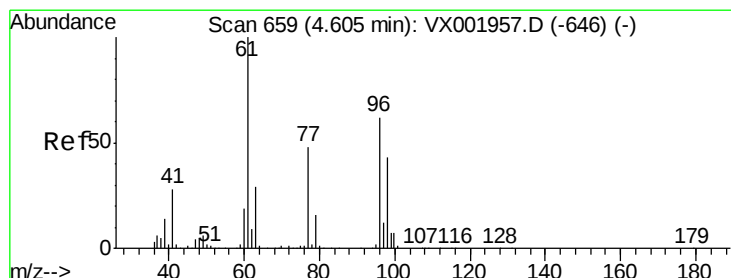
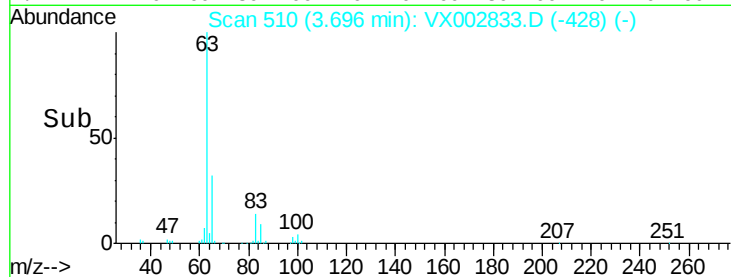
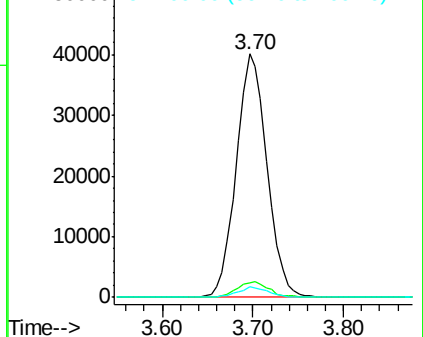
63 100

98 6.0 3.1 9.3

100 4.2 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.01 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

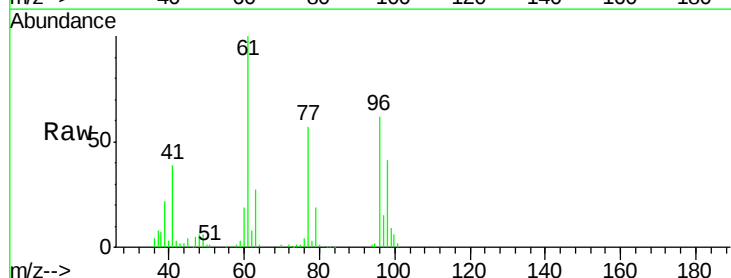
Tgt Ion: 96 Resp: 54043

Ion Ratio Lower Upper

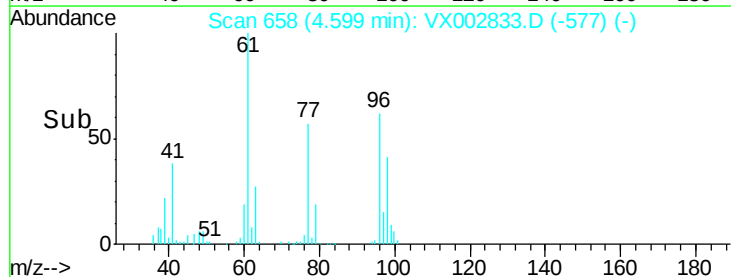
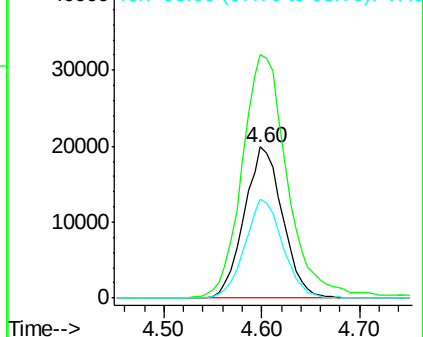
96 100

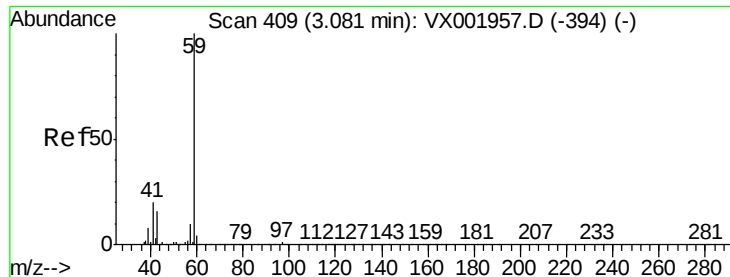
61 189.5 160.2 240.2

98 64.8 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



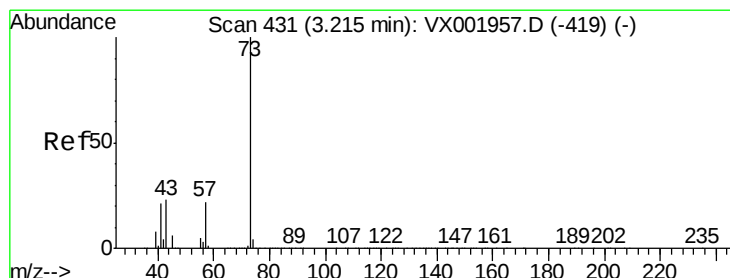
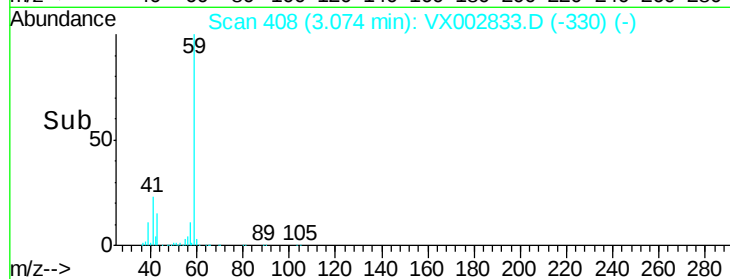
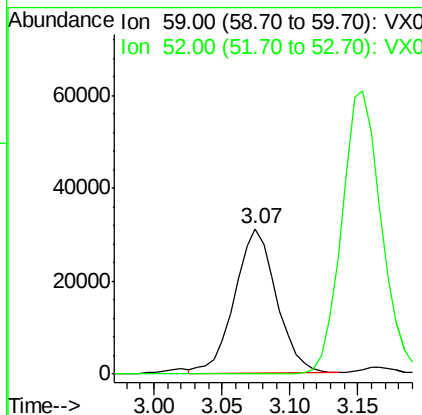
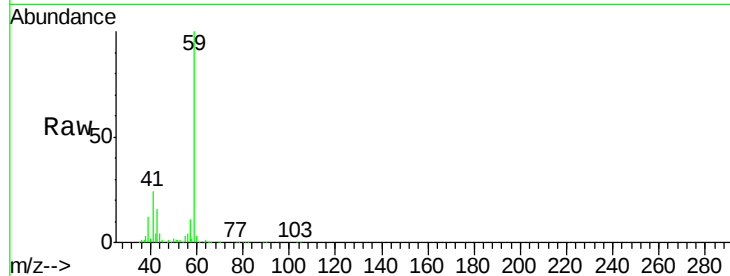


#23

tert-Butyl Alcohol
 Concen: 102.69 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.02 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :

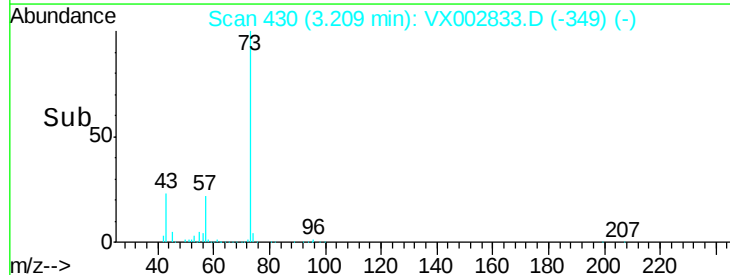
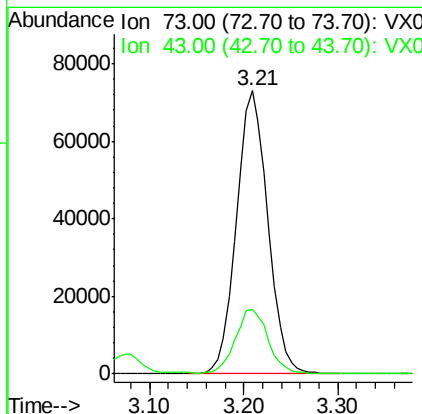
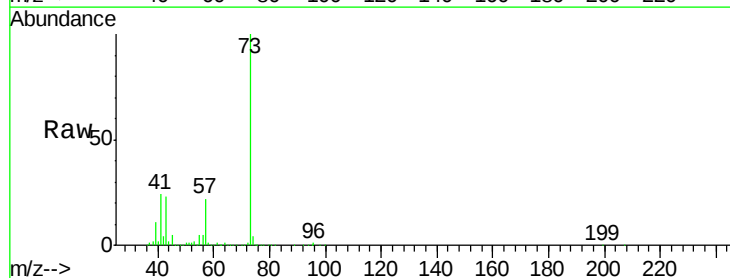
Tot Ion: 59 Resp: 66693
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

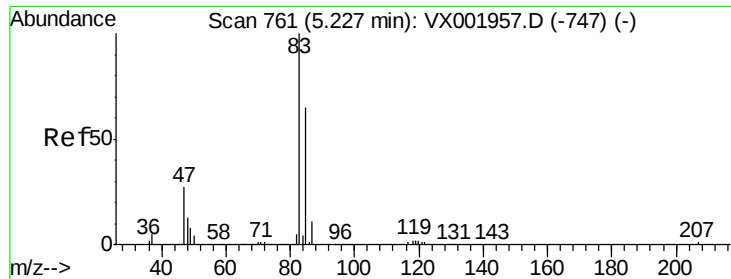


#24

Methyl tert-Butyl Ether
 Concen: 19.44 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 73 Resp: 170121
 Ion Ratio Lower Upper
 73 100
 43 23.2 19.0 28.4





#25

Chloroform

Concen: 20.84 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

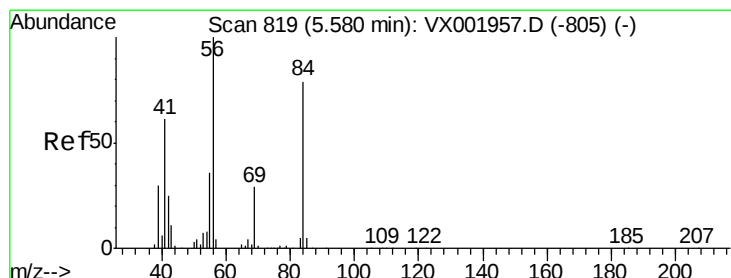
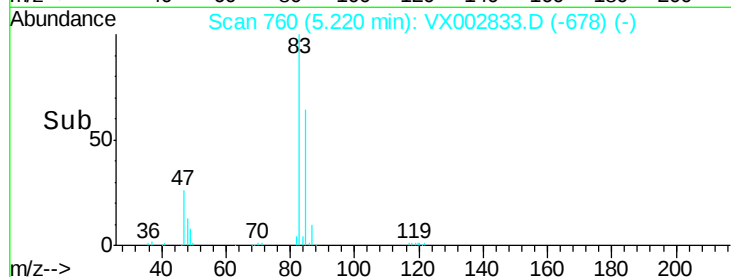
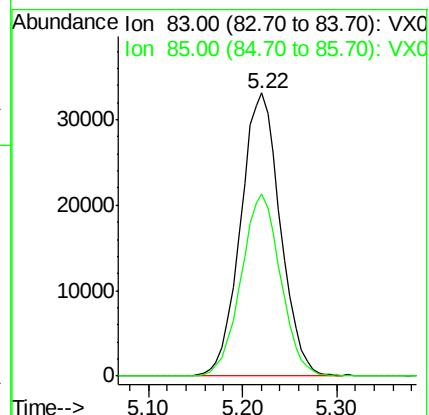
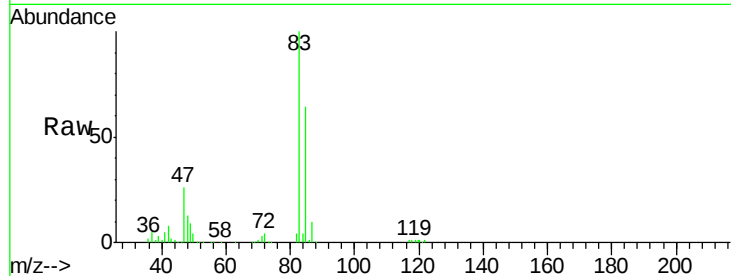
ClientSampleId :

Tot Ion: 83 Resp: 97731

Ion Ratio Lower Upper

83 100

85 64.5 51.9 77.9



#26

Cyclohexane

Concen: 19.04 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

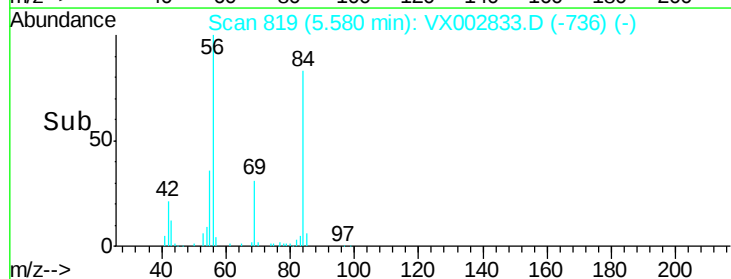
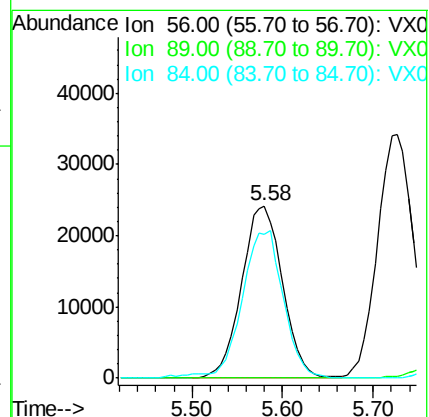
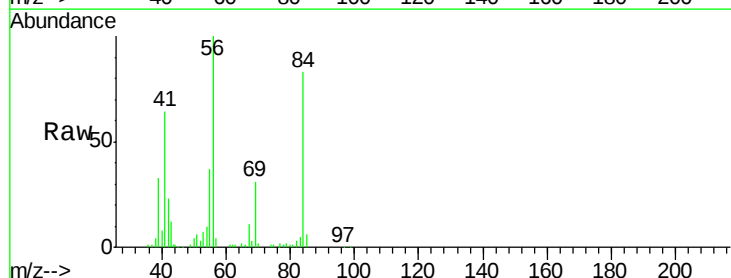
Tgt Ion: 56 Resp: 75577

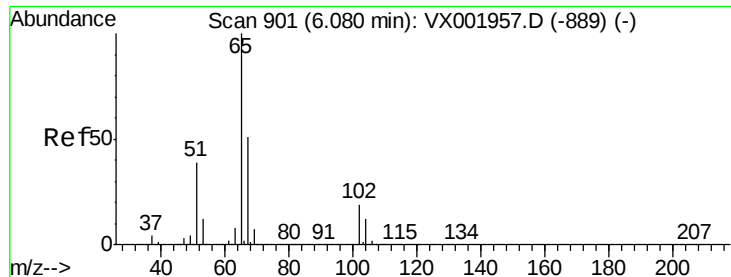
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 86.4 64.9 97.3





#27

1,2-Dichloroethane-d4

Concen: 30.42 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

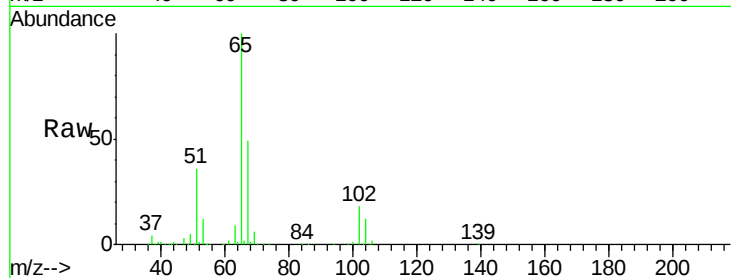
ClientSampleId :

Tot Ion: 65 Resp: 105313

Ion Ratio Lower Upper

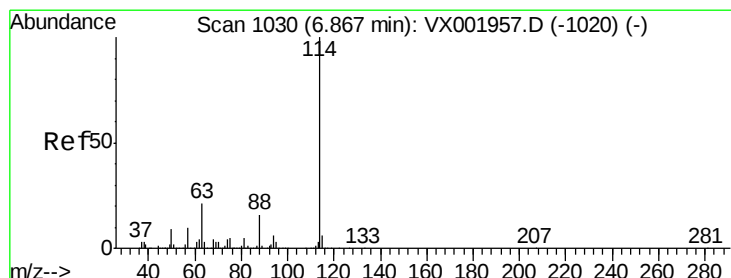
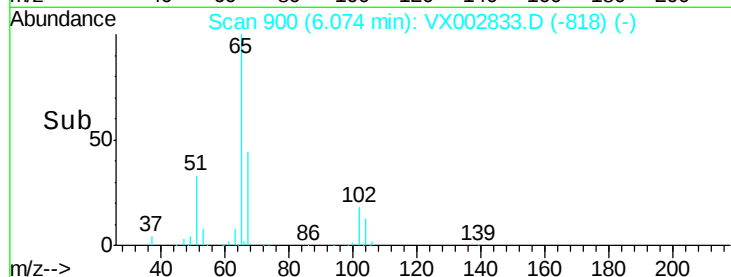
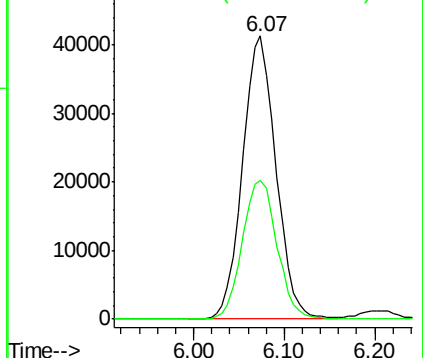
65 100

67 50.8 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

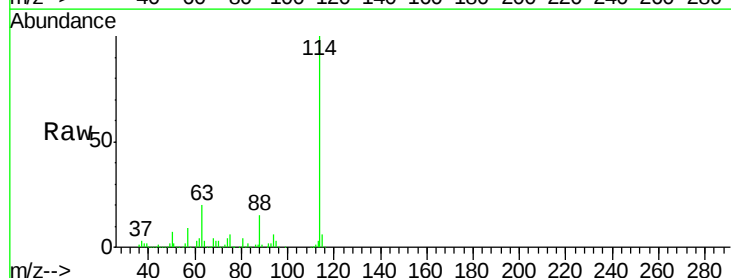
Tgt Ion: 114 Resp: 241482

Ion Ratio Lower Upper

114 100

63 20.2 17.1 25.7

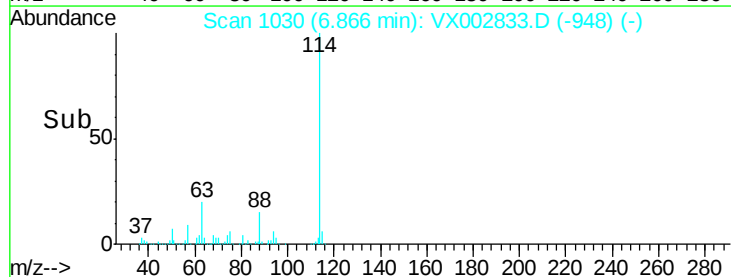
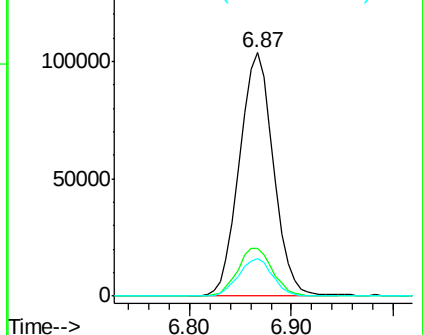
88 15.5 12.6 19.0

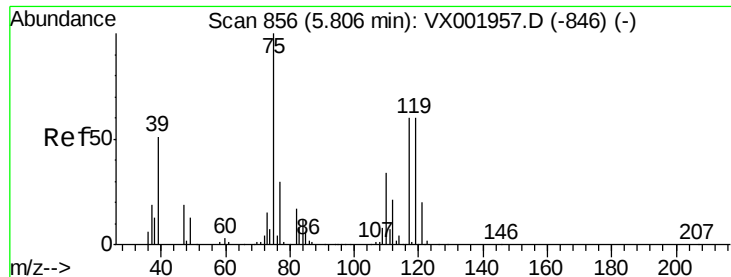


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.79 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

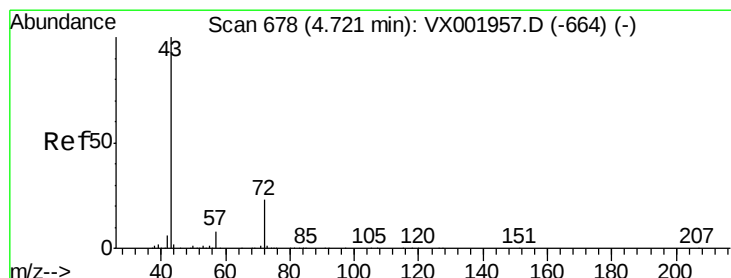
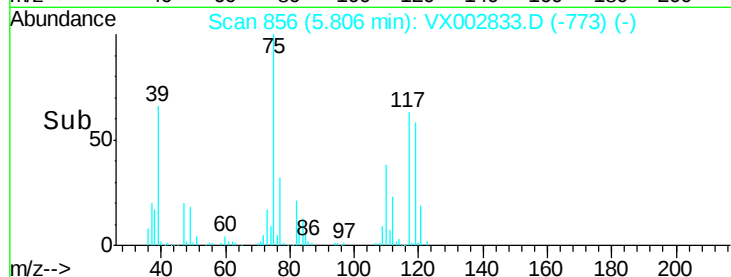
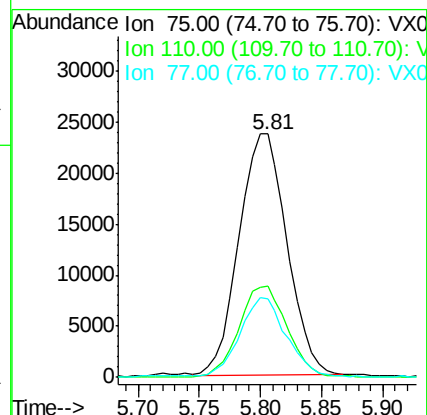
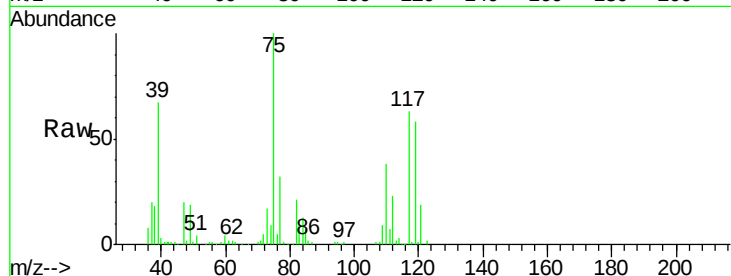
Tot Ion: 75 Resp: 64525

Ion Ratio Lower Upper

75 100

110 38.1 0.0 71.4

77 32.4 0.0 60.6



#30

2-Butanone

Concen: 111.89 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

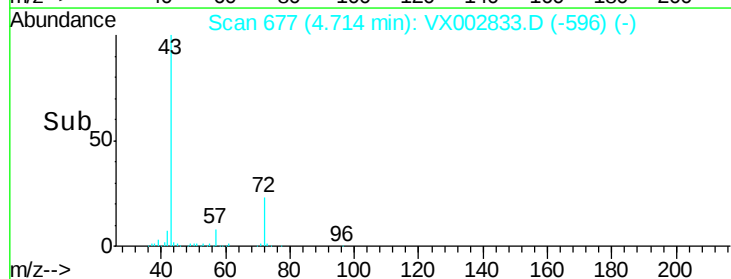
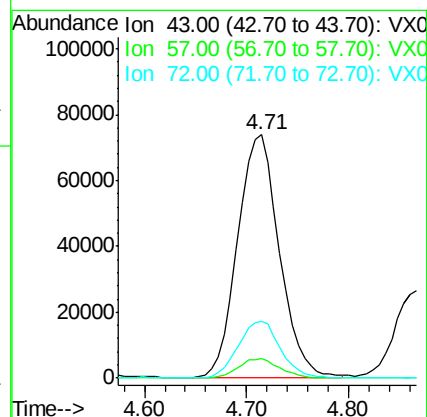
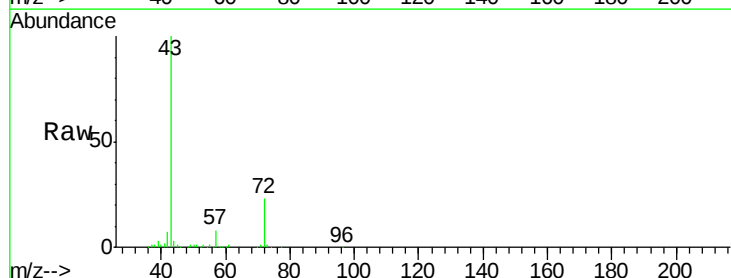
Tgt Ion: 43 Resp: 208794

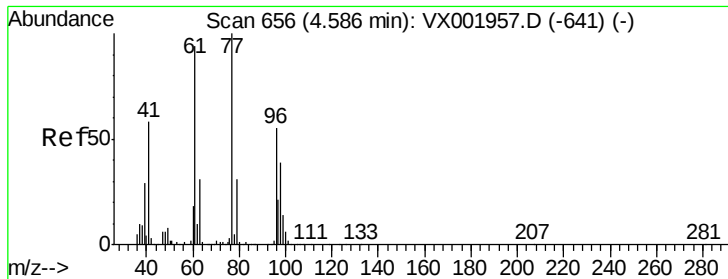
Ion Ratio Lower Upper

43 100

57 8.0 6.1 9.1

72 23.9 18.1 27.1





#31

2,2-Dichloropropane

Concen: 19.90 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

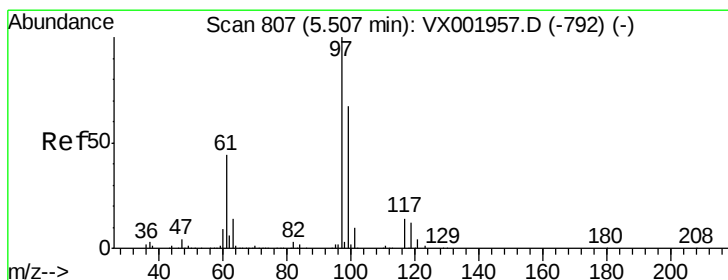
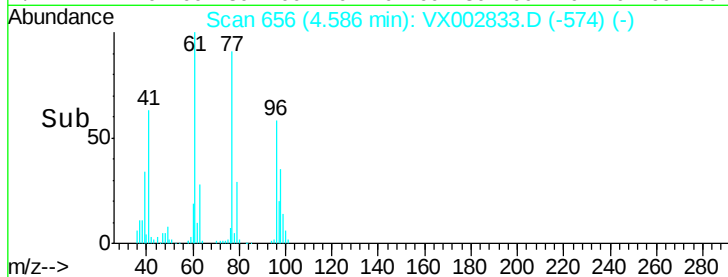
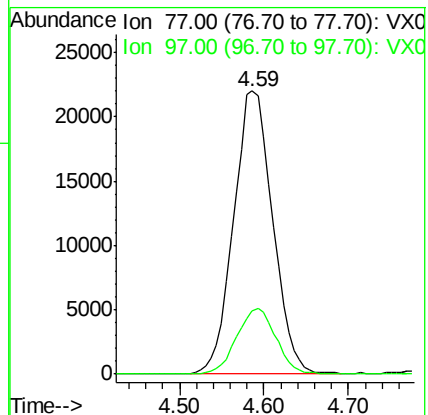
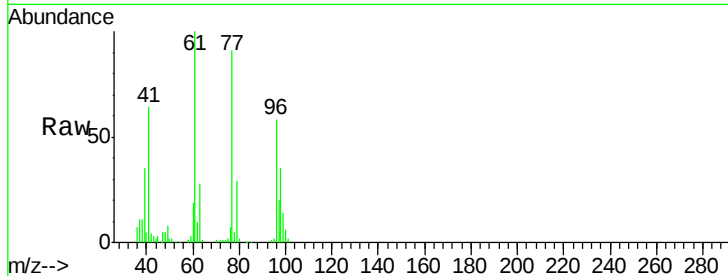
ClientSampleId :

Tot Ion: 77 Resp: 69356

Ion Ratio Lower Upper

77 100

97 23.1 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 20.42 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

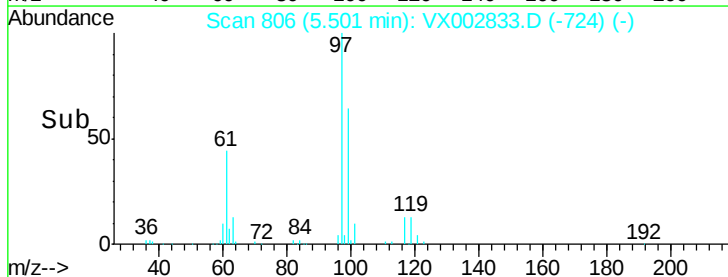
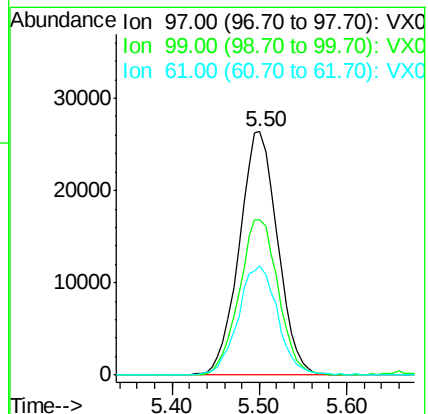
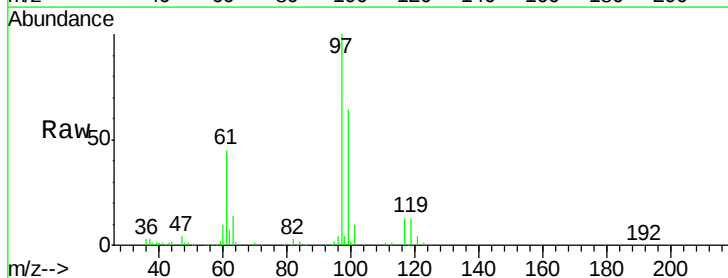
Tgt Ion: 97 Resp: 80443

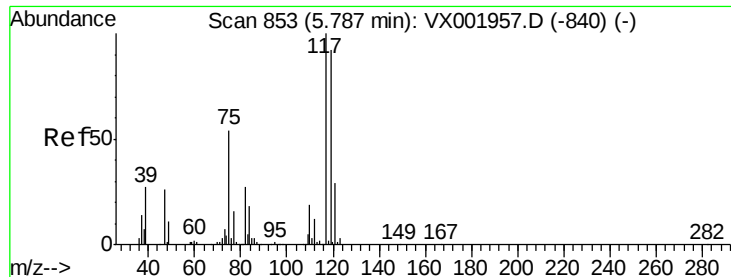
Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 46.0 36.4 54.6





#33

Carbon Tetrachloride

Concen: 20.39 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

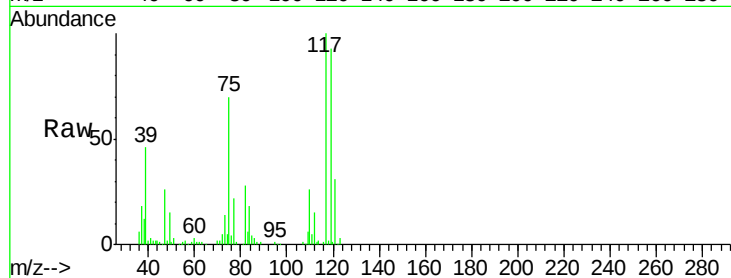
Tot Ion:117 Resp: 72215

Ion Ratio Lower Upper

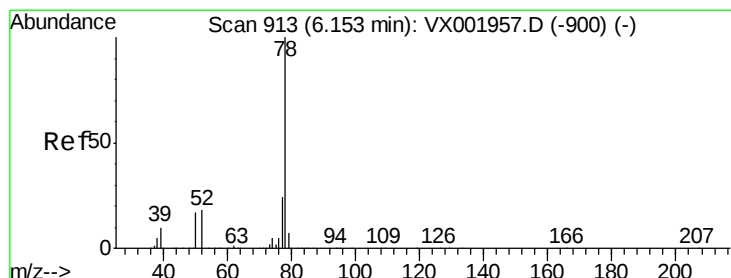
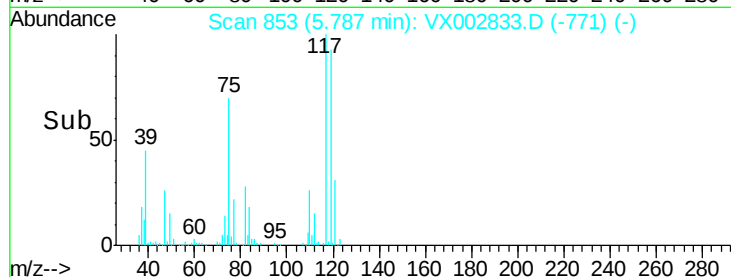
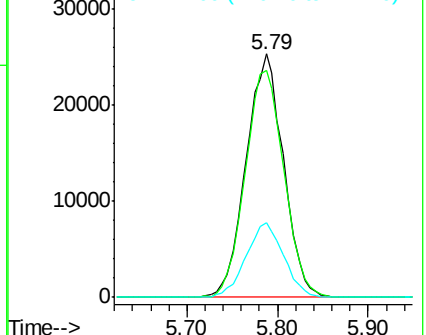
117 100

119 93.3 73.3 109.9

121 30.7 23.6 35.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.75 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

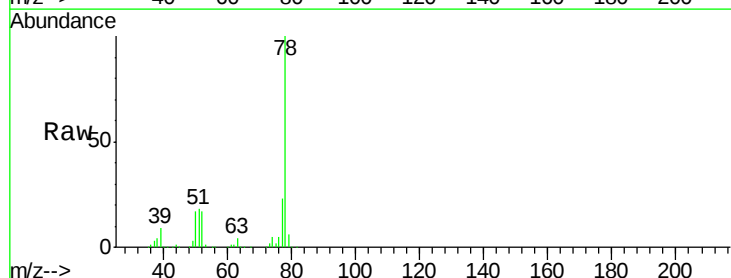
Tgt Ion: 78 Resp: 200407

Ion Ratio Lower Upper

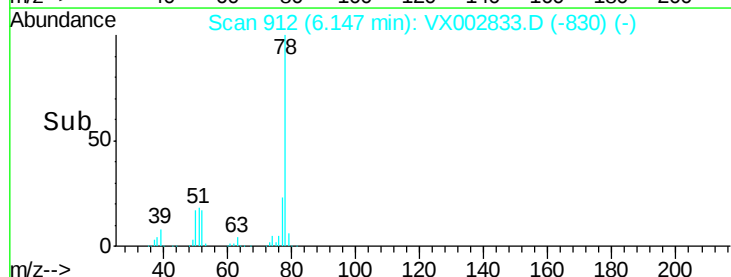
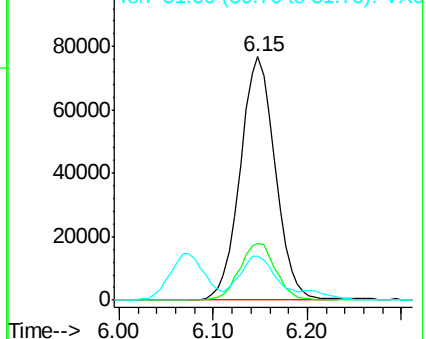
78 100

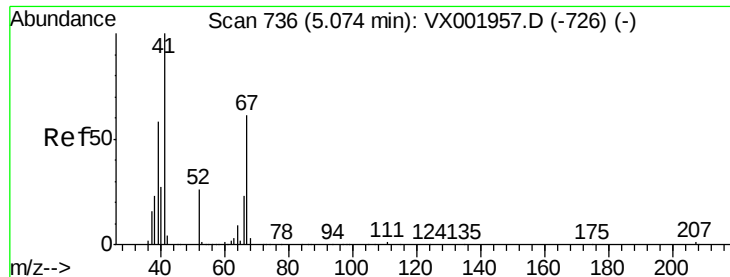
77 23.3 19.4 29.0

51 16.7 13.8 20.6



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

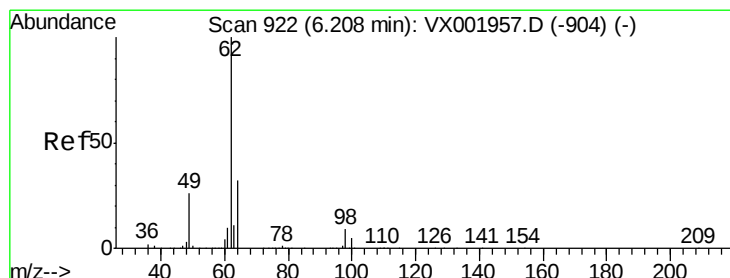
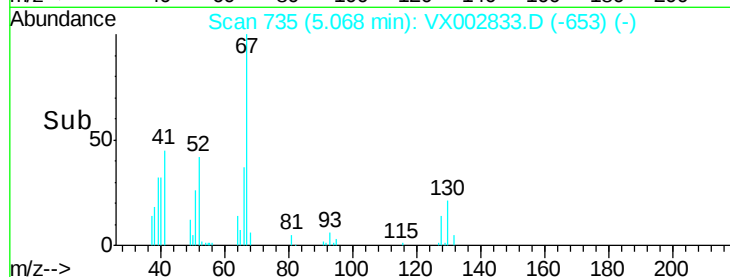
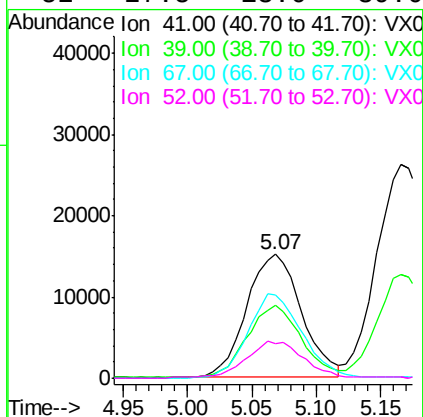
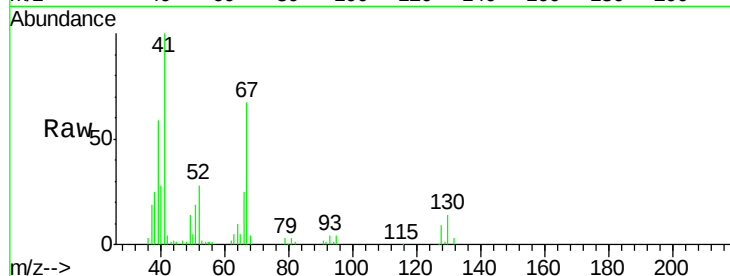




#35
Methacrylonitrile
Concen: 22.08 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

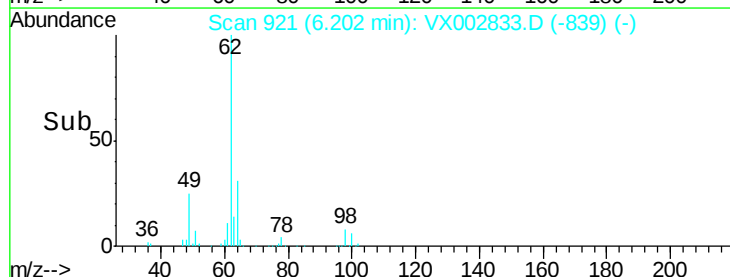
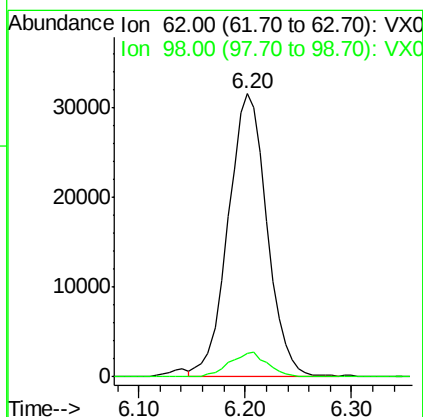
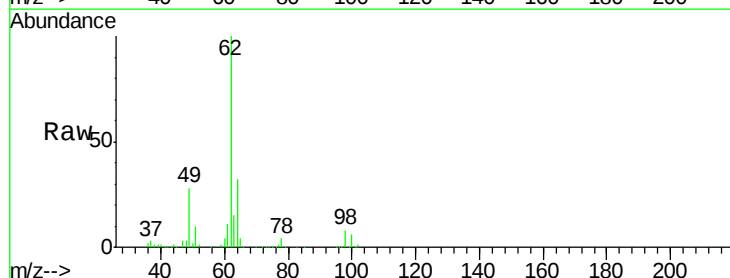
Instrument :
MSVOA_X
ClientSampled :

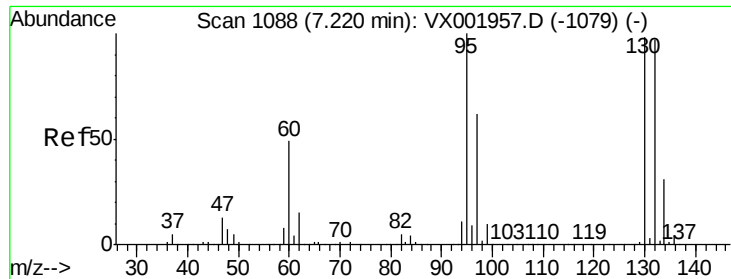
Tot Ion:	41	Resp:	44854
Ion	Ratio	Lower	Upper
41	100		
39	58.0	28.8	86.5
67	67.6	30.4	91.2
52	27.5	13.0	39.0



#36
1,2-Dichloroethane
Concen: 21.31 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion:	62	Resp:	80790
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.5	9.7

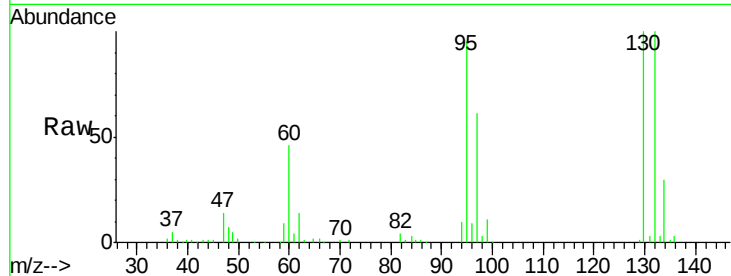




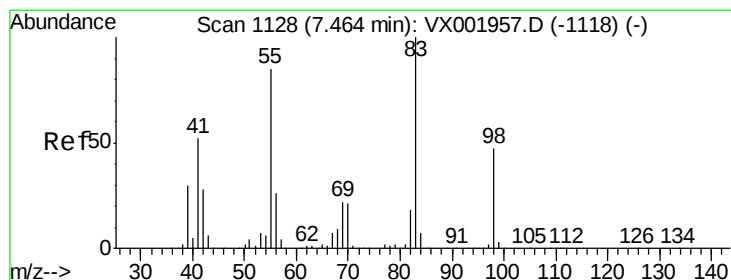
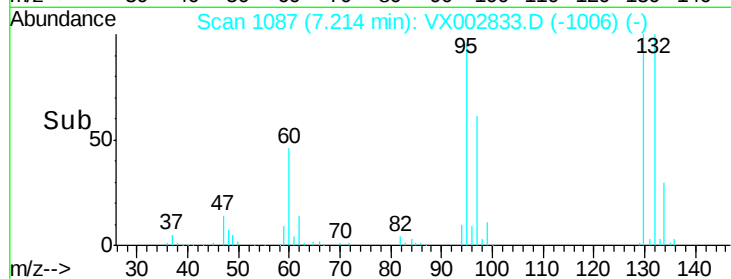
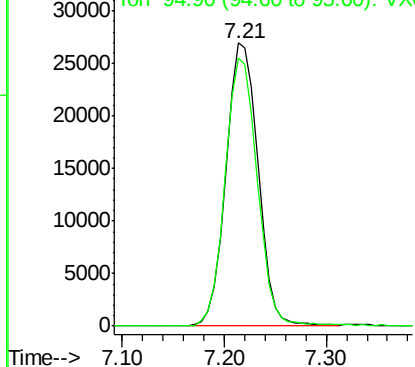
#37
 Trichloroethene
 Concen: 20.81 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 58851
 Ion Ratio Lower Upper
 130 100
 95 94.3 81.5 122.3

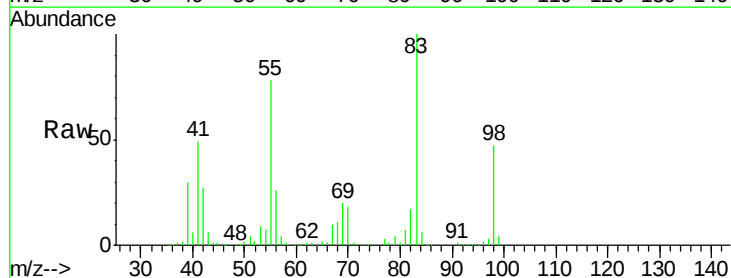


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

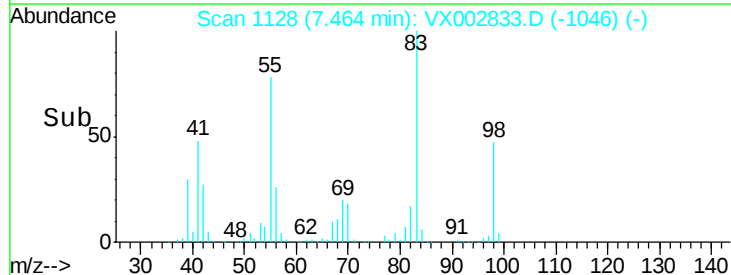
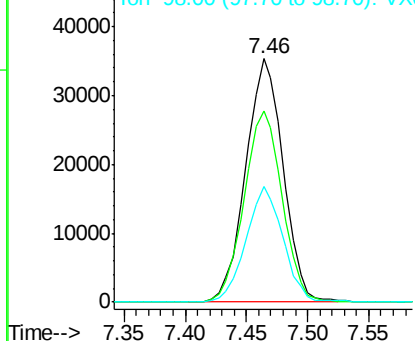


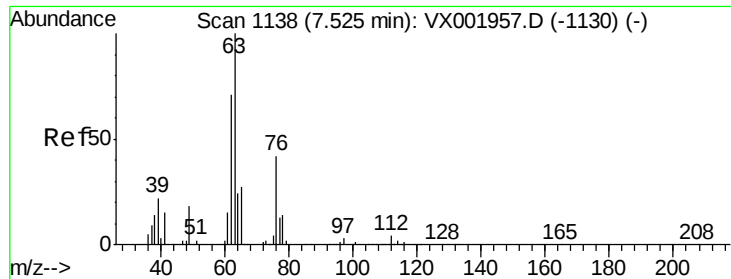
#38
 Methylcyclohexane
 Concen: 19.04 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 83 Resp: 75545
 Ion Ratio Lower Upper
 83 100
 55 79.6 40.6 121.8
 98 46.4 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

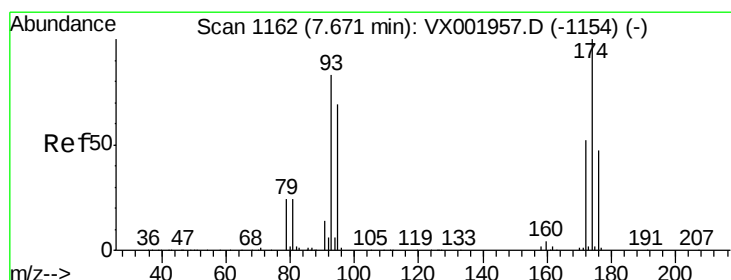
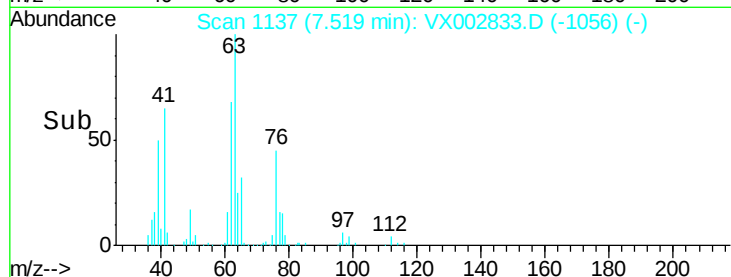
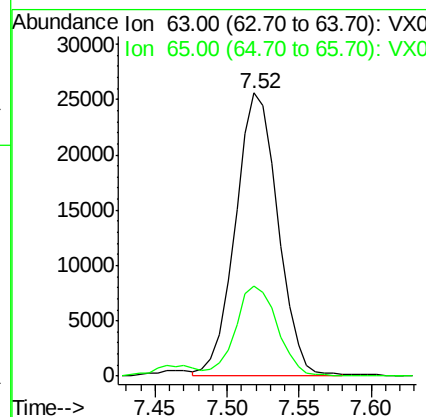
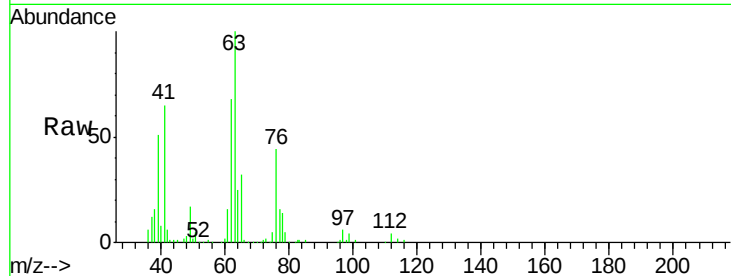




#39
 1,2-Dichloropropane
 Concen: 20.84 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

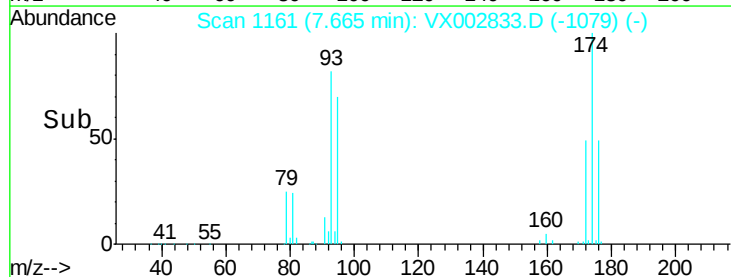
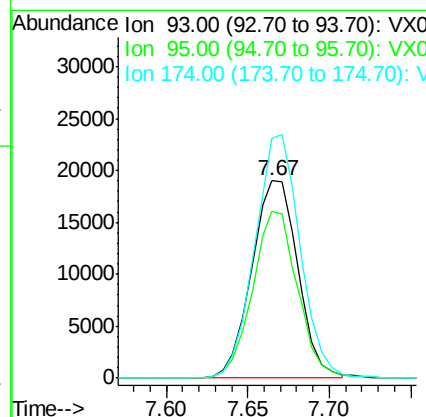
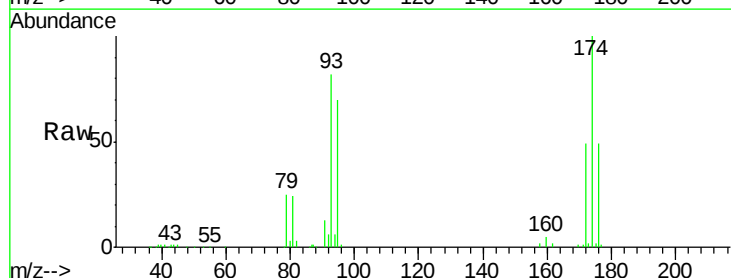
Instrument :
 MSVOA_X
 ClientSampleId :

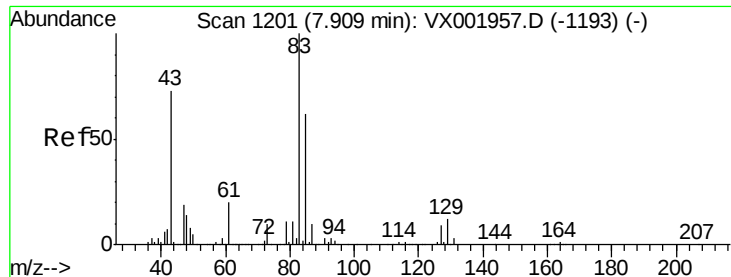
Tot Ion: 63 Resp: 52500
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.3 34.9



#40
 Dibromomethane
 Concen: 21.43 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 93 Resp: 37511
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 162.6
 174 120.6 0.0 229.4





#41

Bromodichloromethane

Concen: 20.32 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

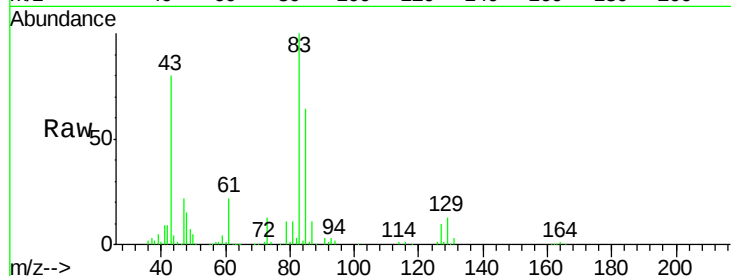
Tot Ion: 83 Resp: 66791

Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.8	74.8
127	9.8	7.3	10.9

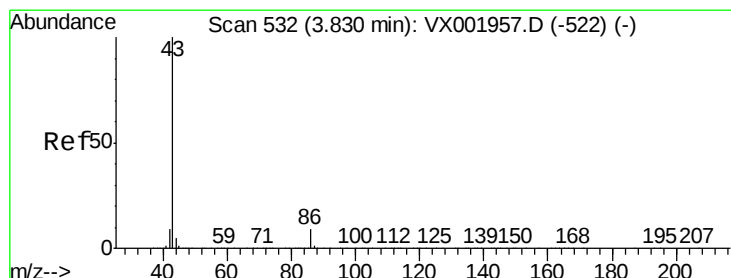
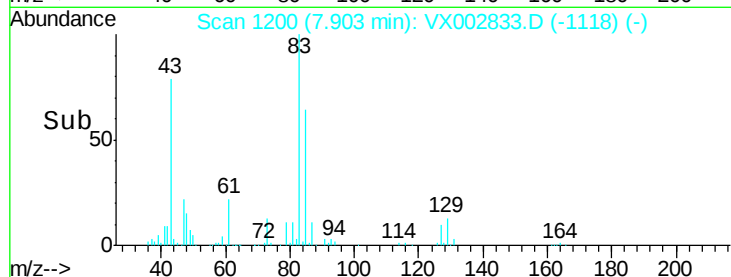
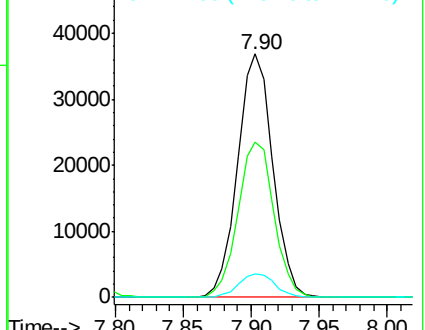
83 100

85 64.0 49.8 74.8

127 9.8 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 102.88 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002833.D

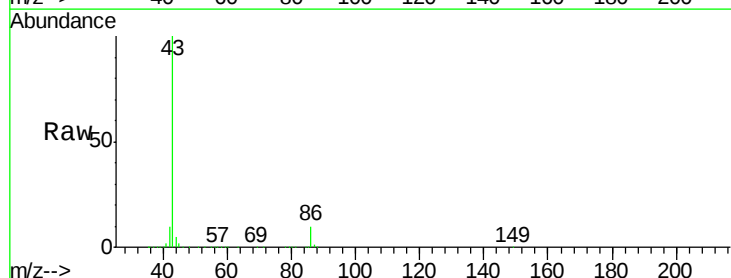
Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 728113

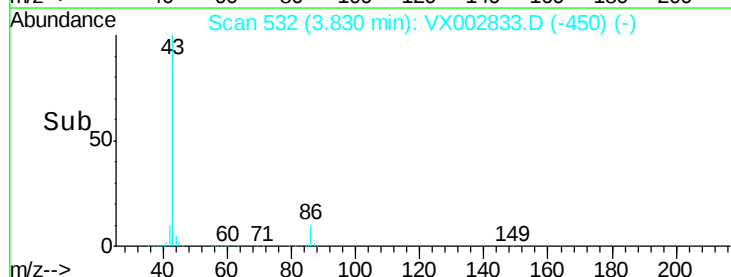
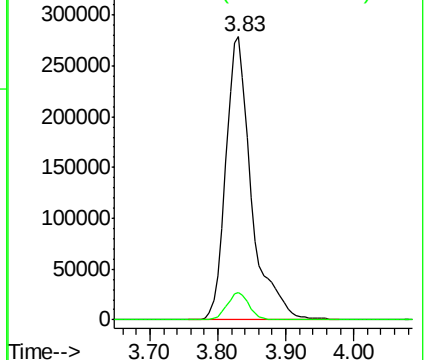
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.7	10.1

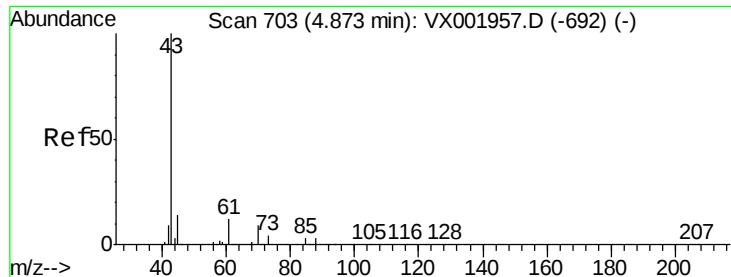
43 100

86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

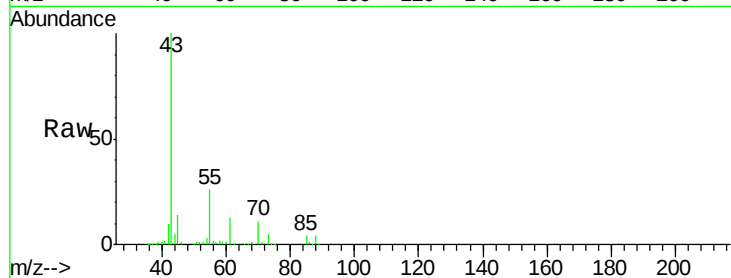




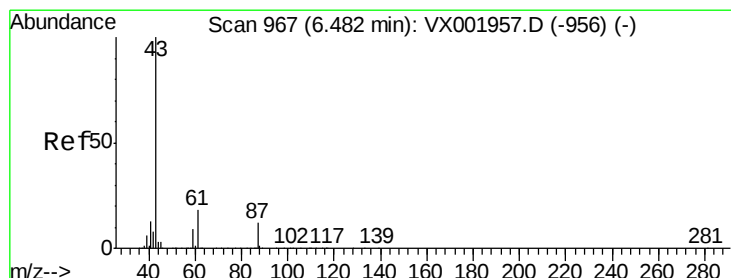
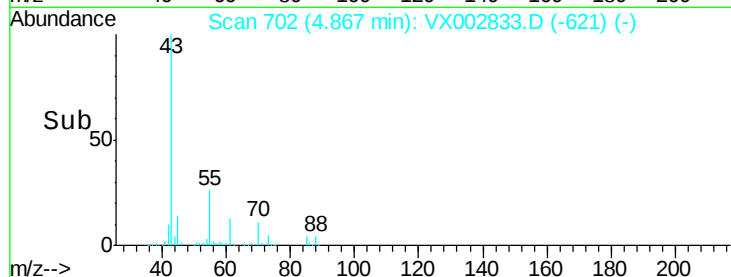
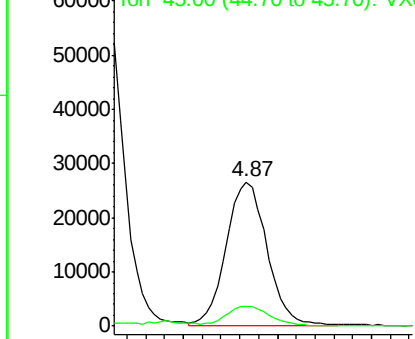
#43
Ethyl Acetate
Concen: 22.48 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 80242
Ion Ratio Lower Upper
43 100
45 14.0 11.0 16.4

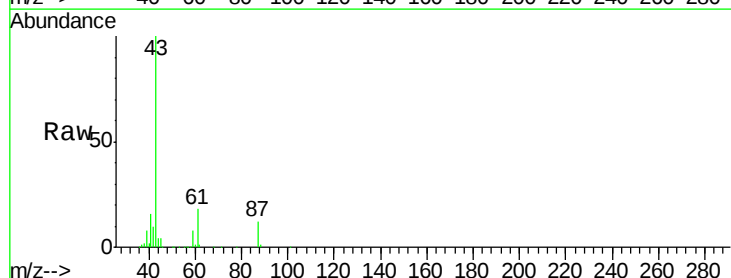


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 45.00 (44.70 to 45.70): VX0

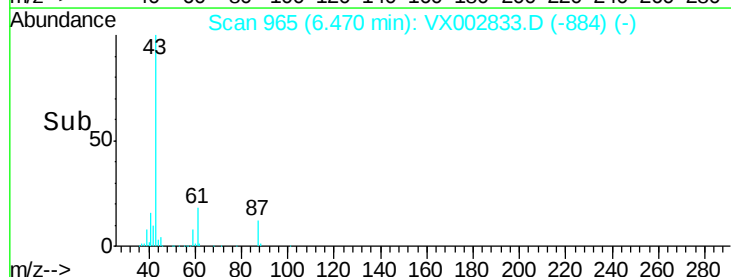
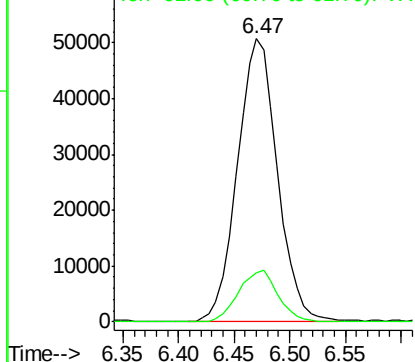


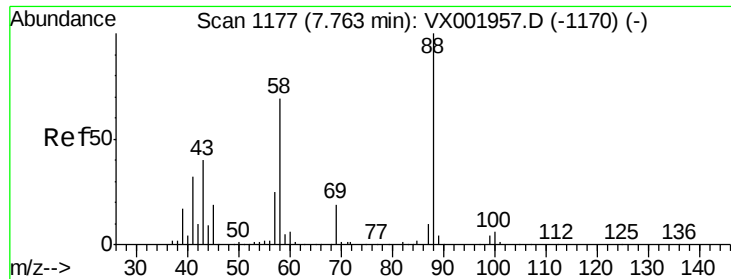
#44
Isopropyl Acetate
Concen: 21.13 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 126345
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7



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





#45

1,4-Dioxane

Concen: 441.25 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

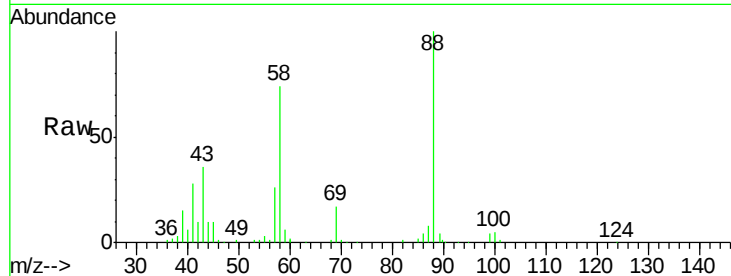
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 88 Resp: 25849

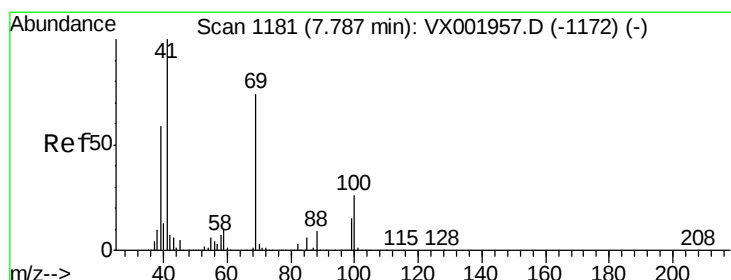
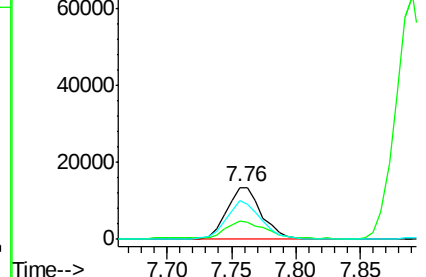
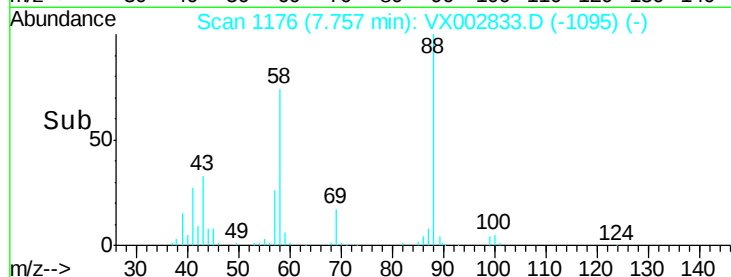
Ion	Ratio	Lower	Upper
88	100		
43	37.3	43.2	64.8#
58	72.6	60.2	90.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 21.65 ug/l

RT: 7.78 min Scan# 1180

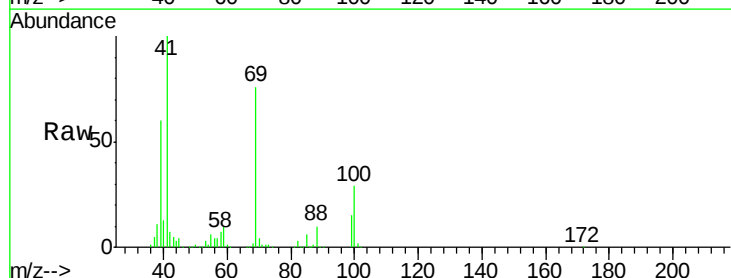
Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion: 41 Resp: 66153

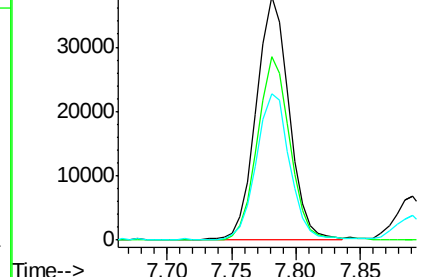
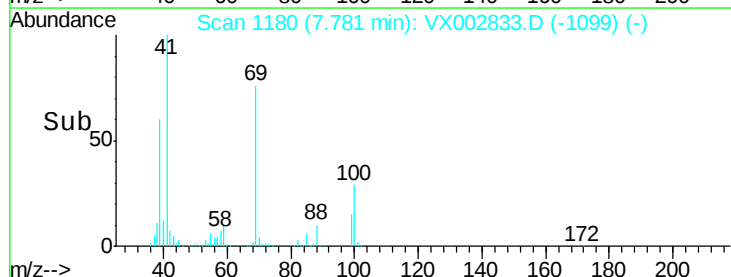
Ion	Ratio	Lower	Upper
41	100		
69	75.8	37.0	110.9
39	60.2	29.6	88.9

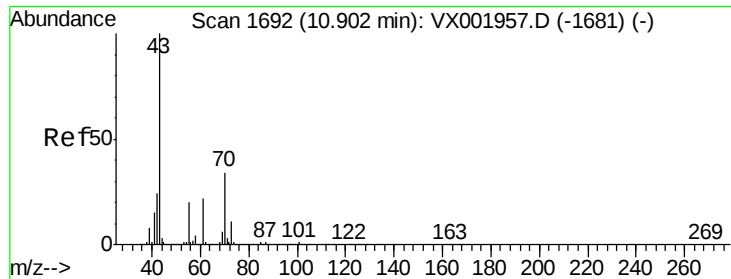


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

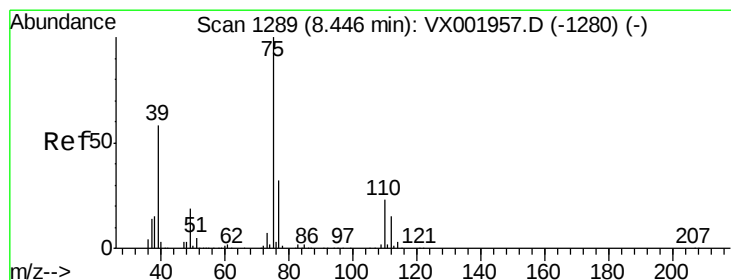
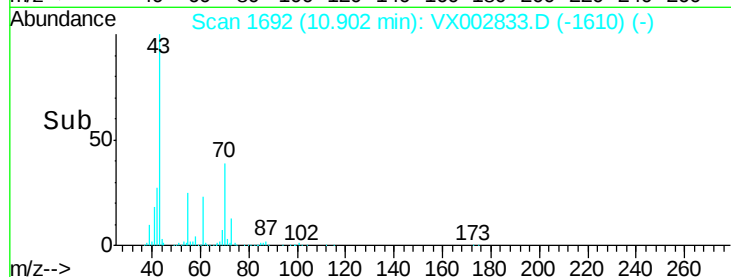
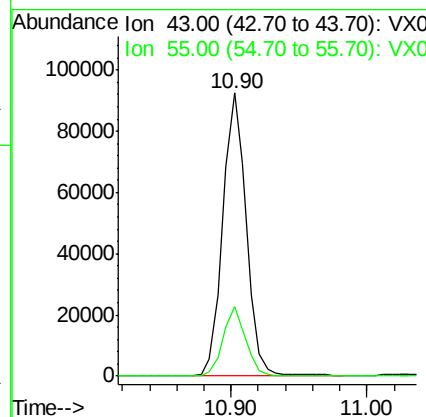
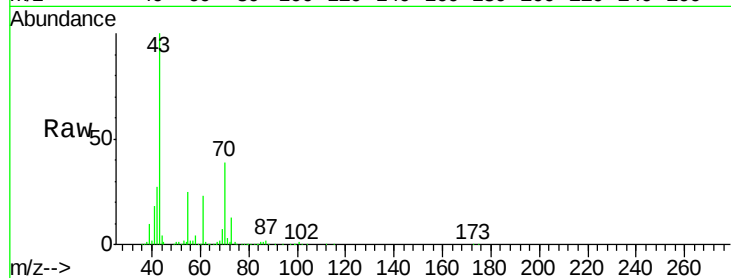




#47
n-amvl Acetate
Concen: 19.56 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

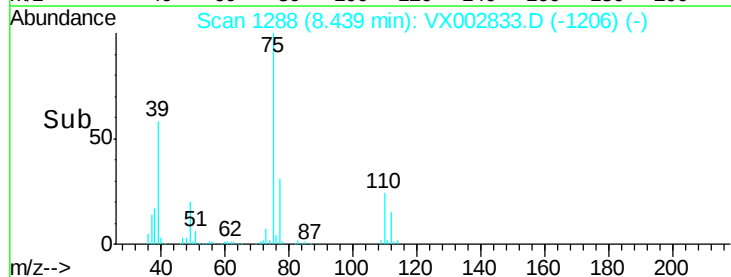
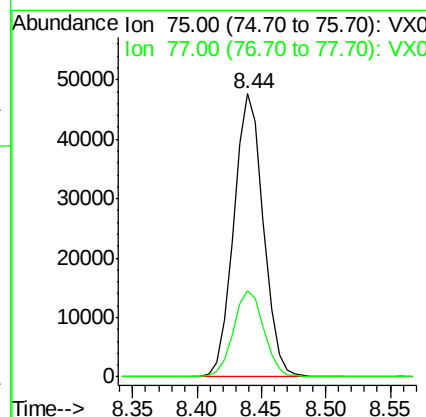
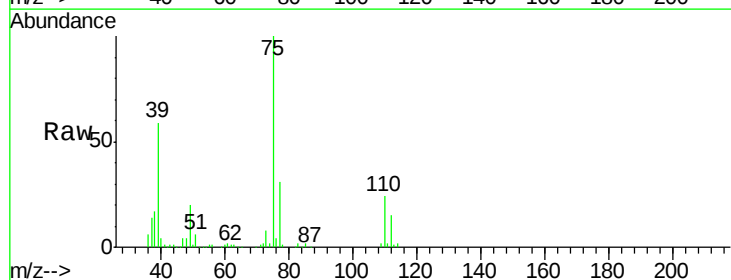
Instrument :
MSVOA_X
ClientSampleId :

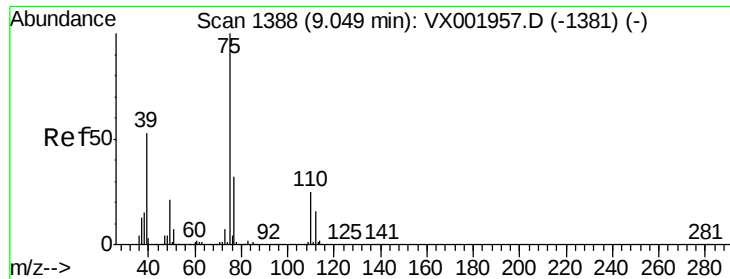
Tot Ion: 43 Resp: 110369
Ion Ratio Lower Upper
43 100
55 23.8 0.1 0.1#



#48
t-1,3-Dichloropropene
Concen: 19.75 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 75 Resp: 76245
Ion Ratio Lower Upper
75 100
77 30.6 25.6 38.4

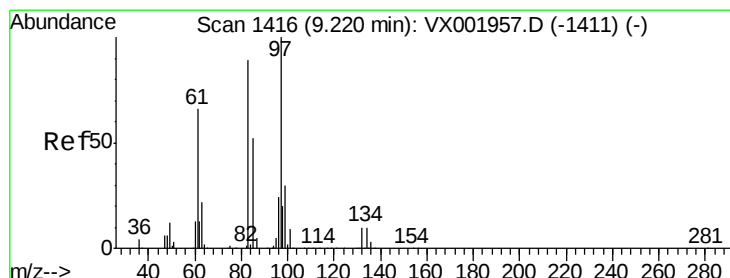
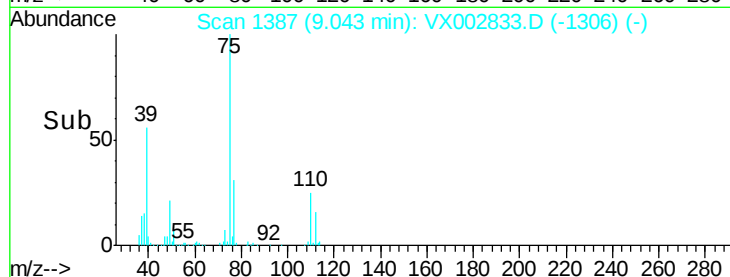
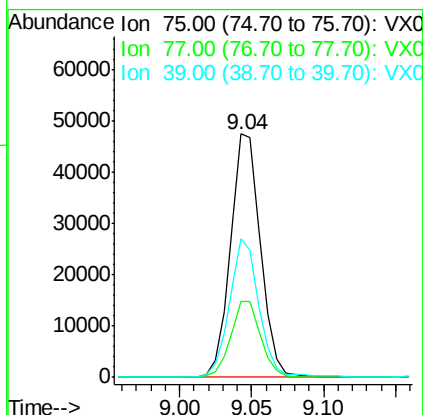
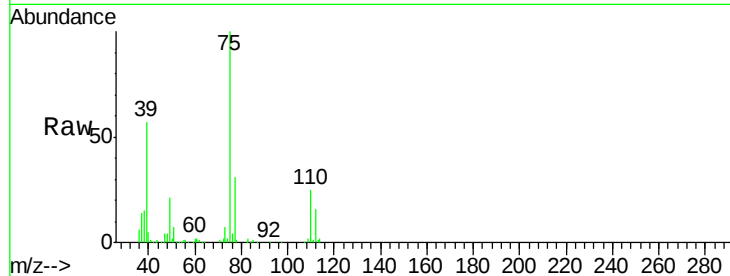




#49
 cis-1,3-Dichloropropene
 Concen: 19.28 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

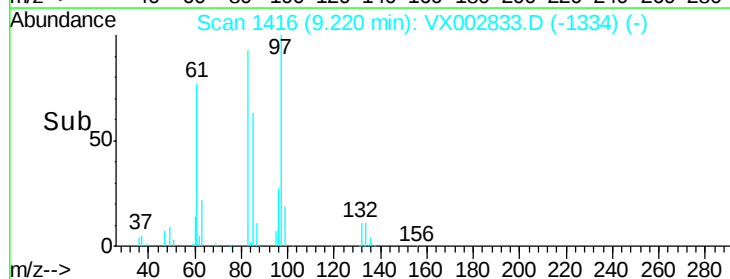
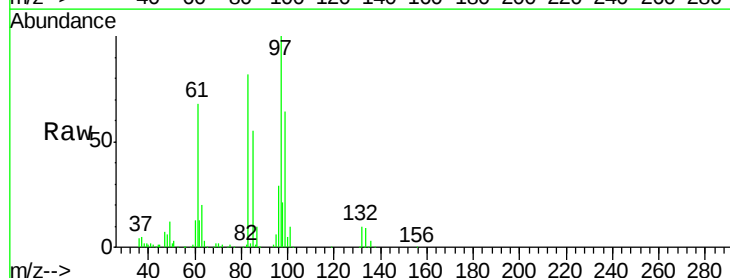
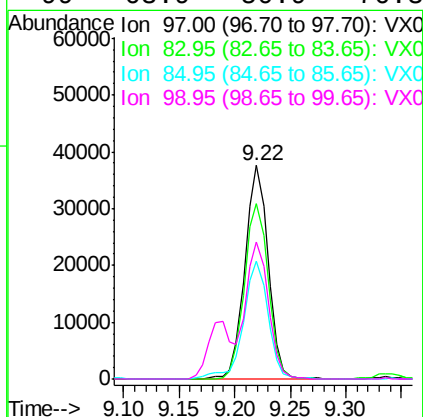
Instrument :
 MSVOA_X
 ClientSampleId :

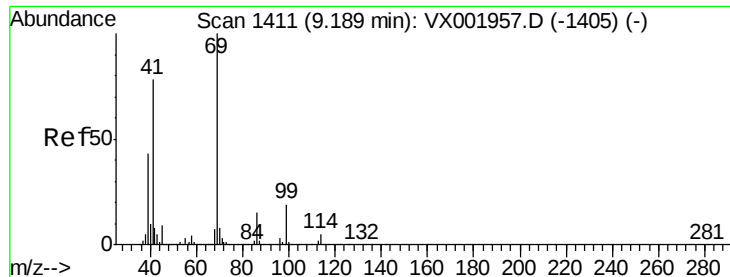
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	56.3	42.3	63.5



#50
 1,1,2-Trichloroethane
 Concen: 21.25 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.9	70.8	106.2
85	55.3	43.5	65.3
99	63.9	50.9	76.3





#51

Ethyl methacrylate

Concen: 20.53 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

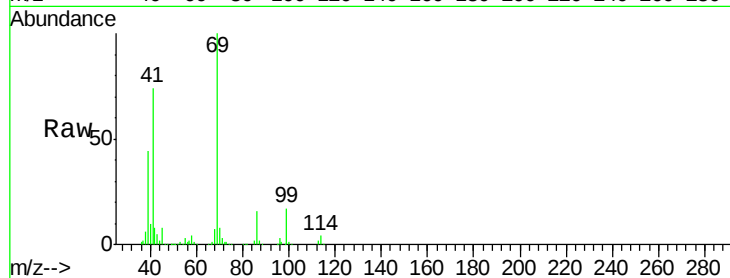
Tot Ion: 69 Resp: 80004

Ion	Ratio	Lower	Upper
69	100		
41	73.7	39.1	117.3
39	43.5	21.7	65.1

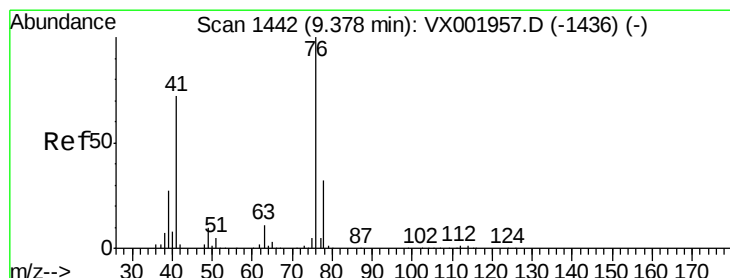
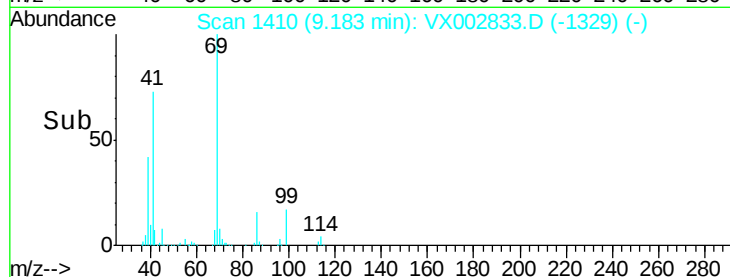
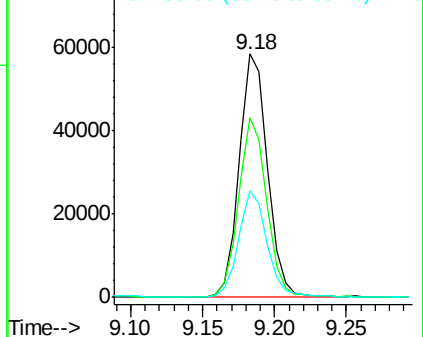
69 100

41 73.7 39.1 117.3

39 43.5 21.7 65.1



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



#52

1,3-Dichloropropane

Concen: 21.23 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002833.D

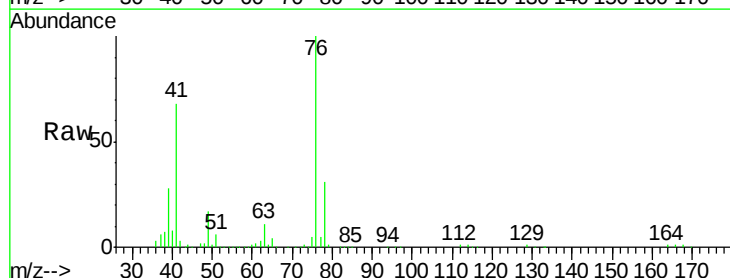
Acq: 22 Jun 2018 14:15

Tgt Ion: 76 Resp: 89539

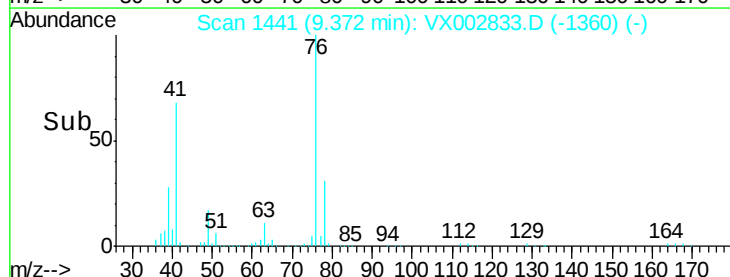
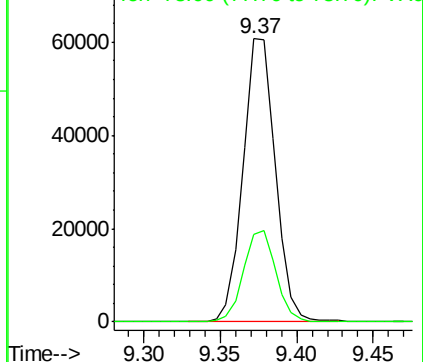
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4

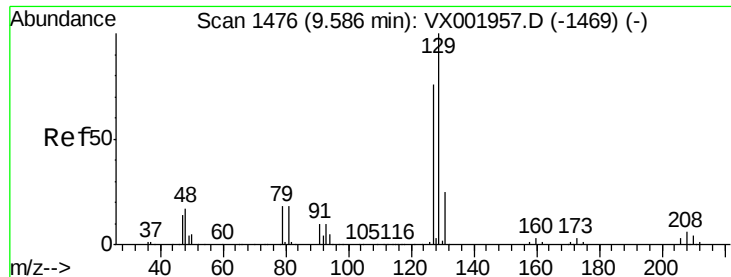
76 100

78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0

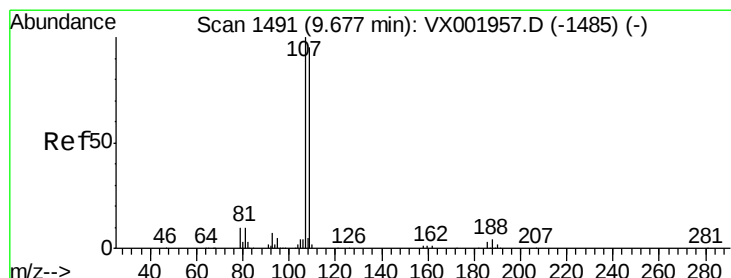
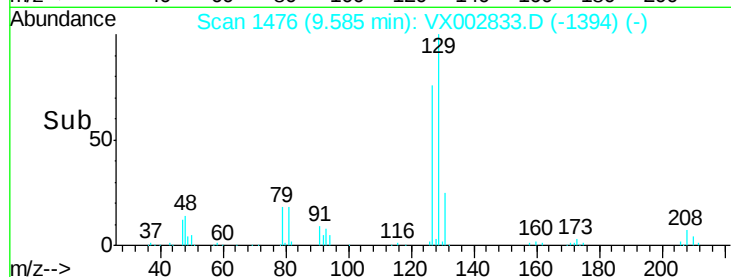
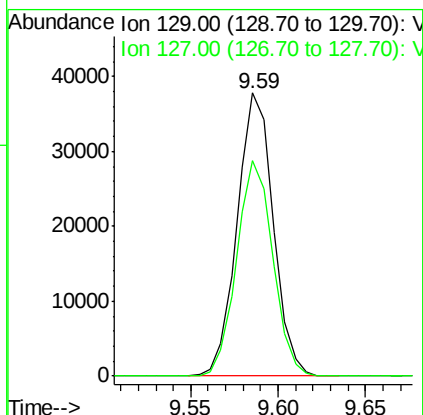
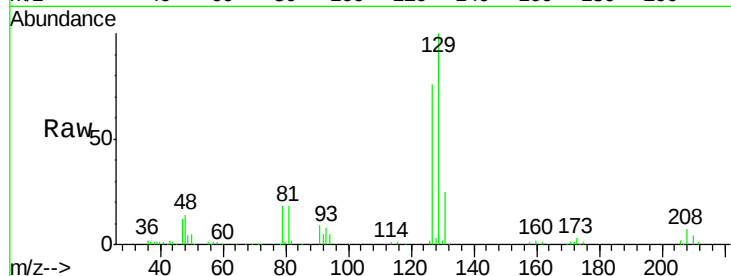




#53
 Dibromochloromethane
 Concen: 19.78 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

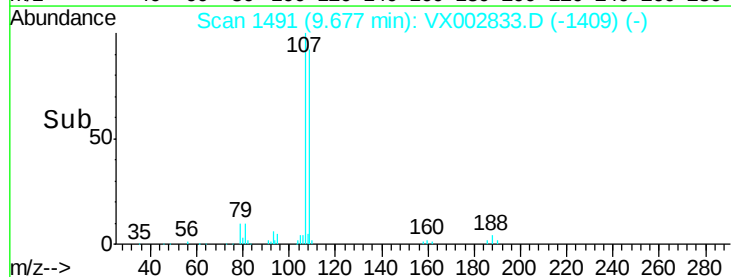
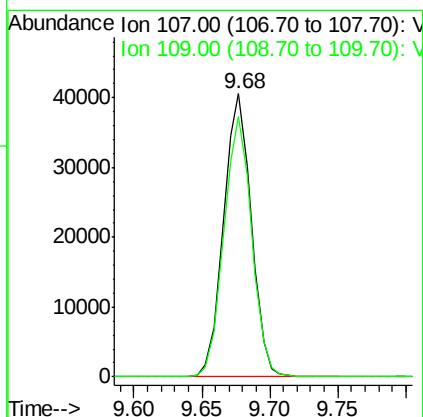
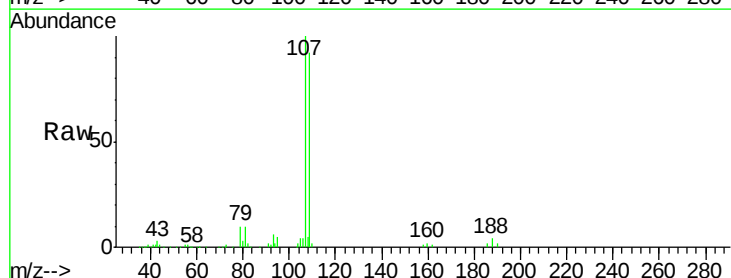
Instrument :
 MSVOA_X
 ClientSampleId :

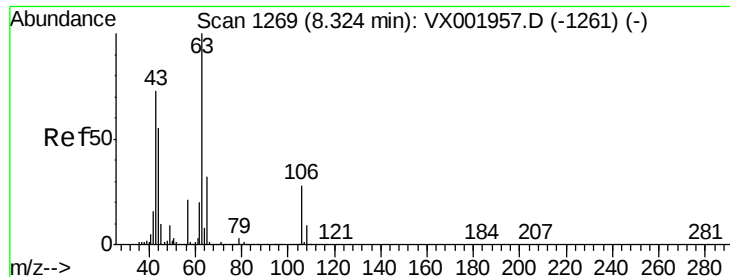
Tot Ion:129 Resp: 54208
 Ion Ratio Lower Upper
 129 100
 127 76.2 38.5 115.3



#54
 1,2-Dibromoethane
 Concen: 21.07 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion:107 Resp: 57322
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 91.64 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

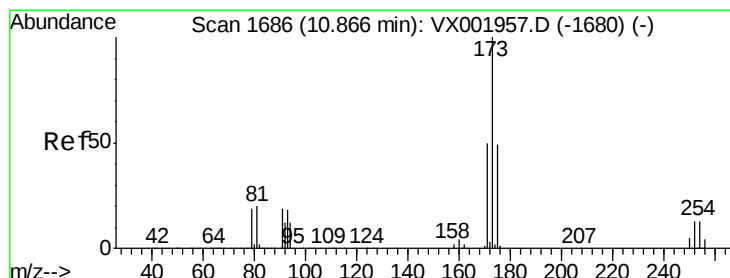
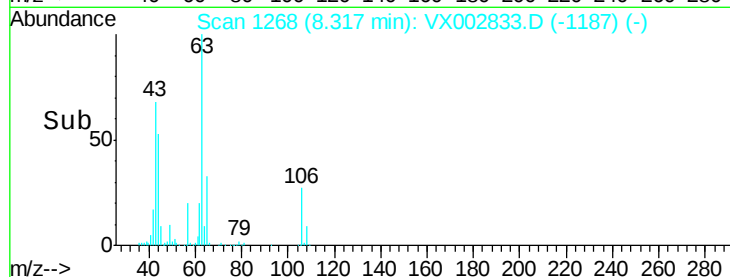
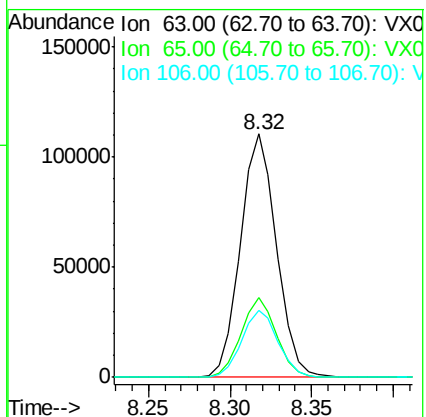
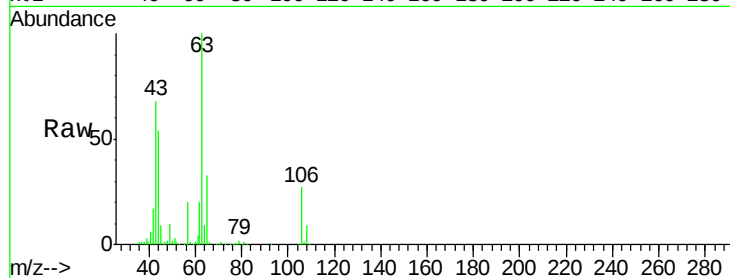
Tot Ion: 63 Resp: 169620

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.7	21.6	32.4

63 100

65 32.1 25.6 38.4

106 27.7 21.6 32.4



#56

Bromoform

Concen: 18.71 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

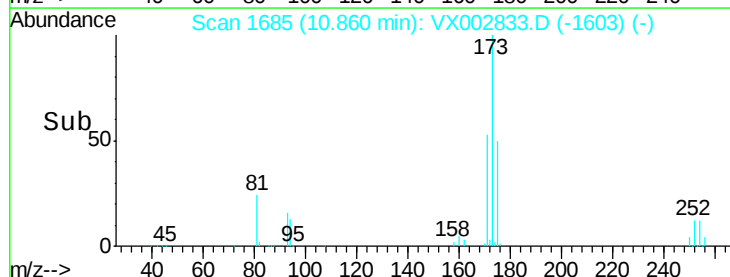
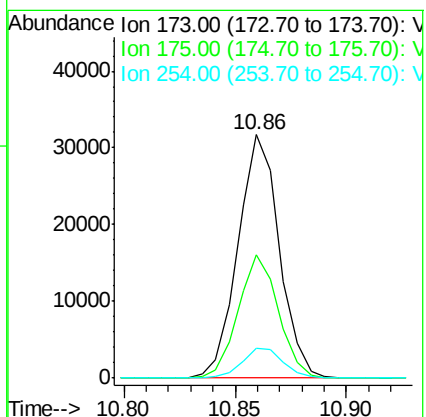
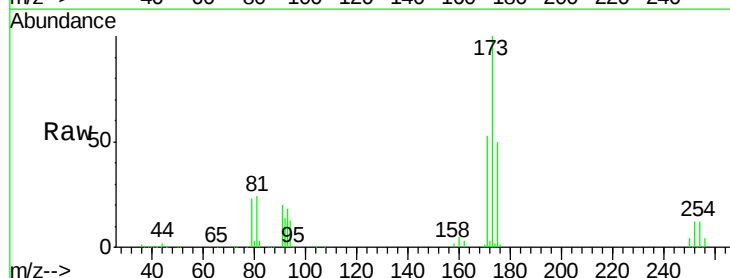
Tgt Ion:173 Resp: 40928

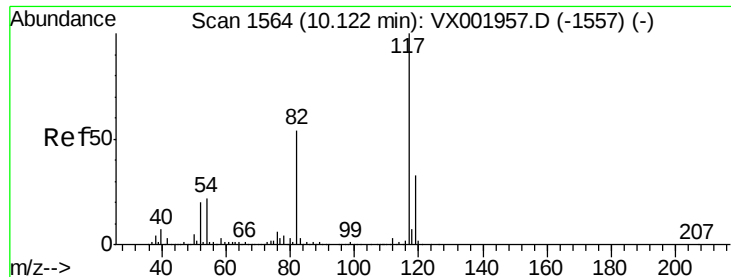
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	12.2	9.6	14.4

173 100

175 49.2 39.0 58.4

254 12.2 9.6 14.4

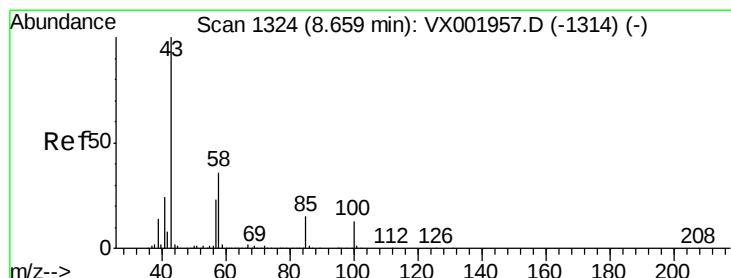
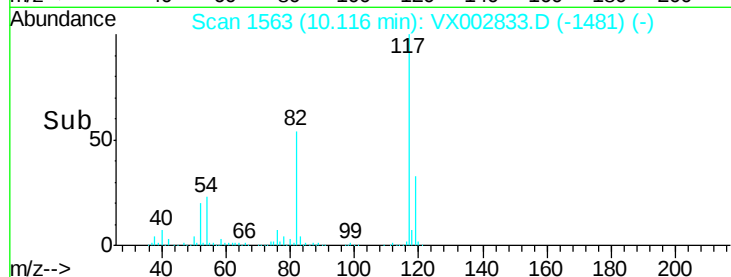
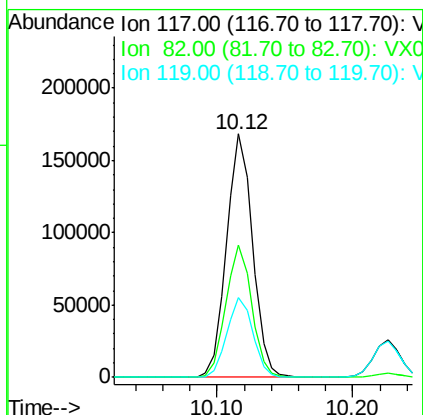
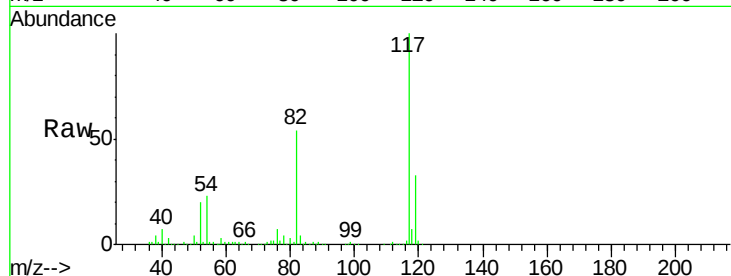




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

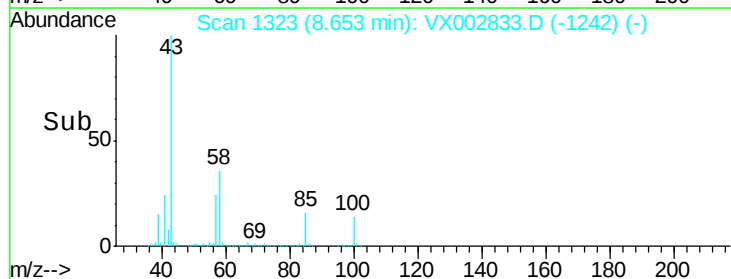
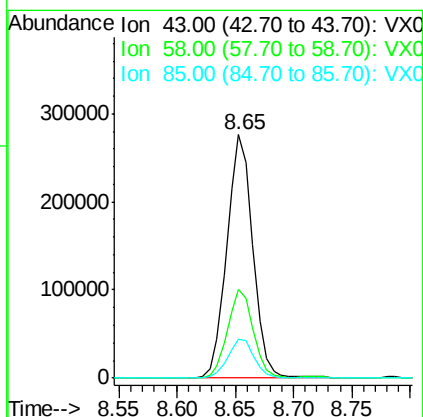
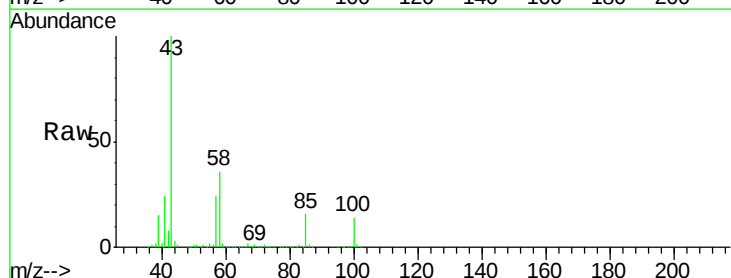
Instrument :
MSVOA_X
ClientSampled :

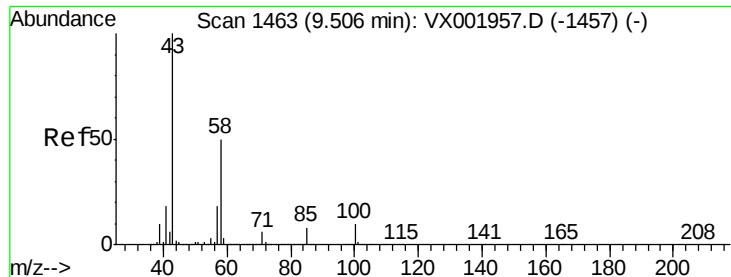
Tot Ion:117 Resp: 224722
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.8 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 111.73 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 426301
Ion Ratio Lower Upper
43 100
58 36.1 28.2 42.4
85 16.3 12.4 18.6

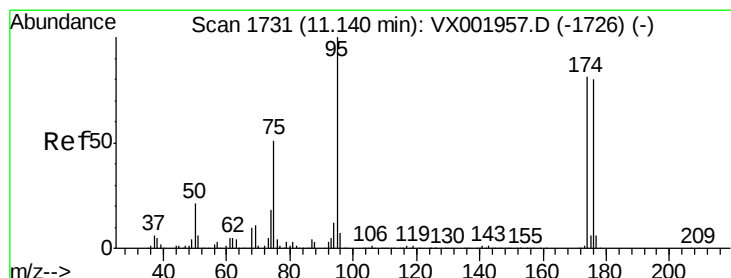
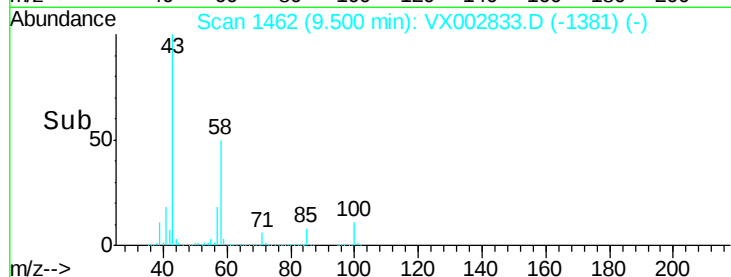
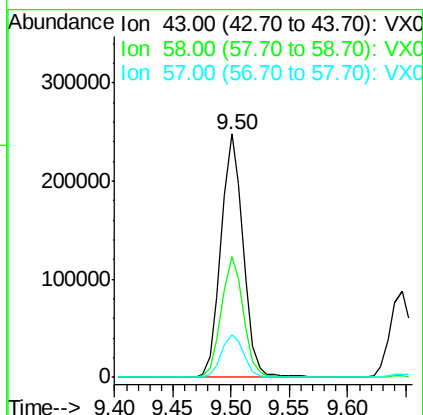
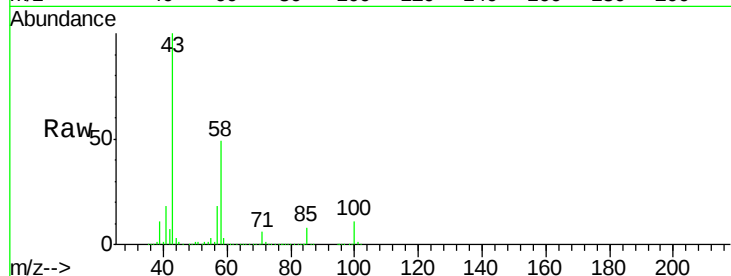




#59
2-Hexanone
Concen: 111.78 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

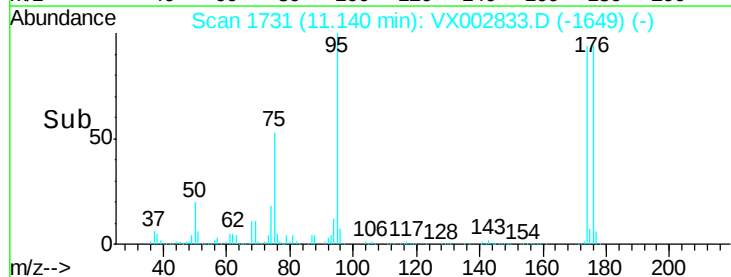
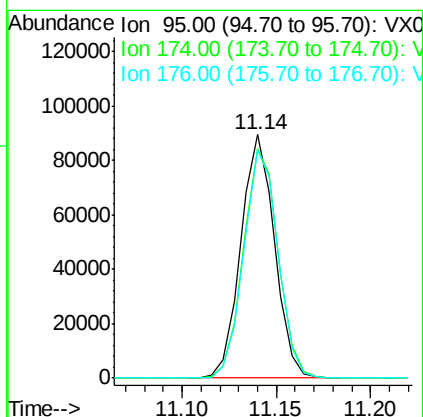
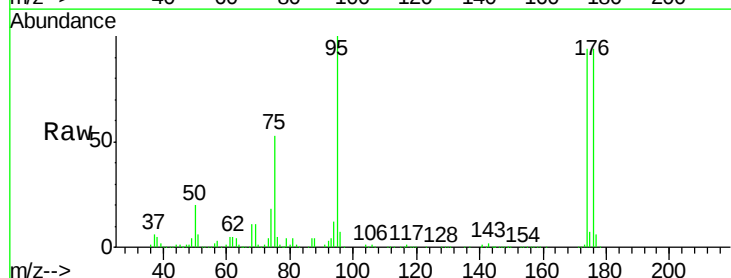
Instrument :
MSVOA_X
ClientSampleId :

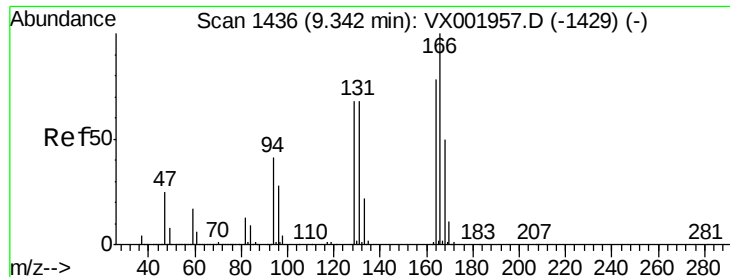
Tot Ion: 43 Resp: 326038
Ion Ratio Lower Upper
43 100
58 49.2 39.6 59.4
57 18.0 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 95 Resp: 110770
Ion Ratio Lower Upper
95 100
174 97.2 71.8 107.6
176 95.3 70.1 105.1

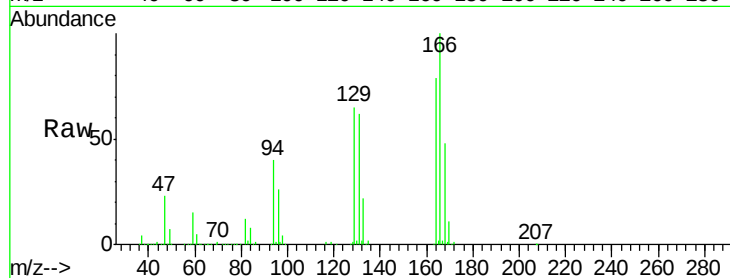




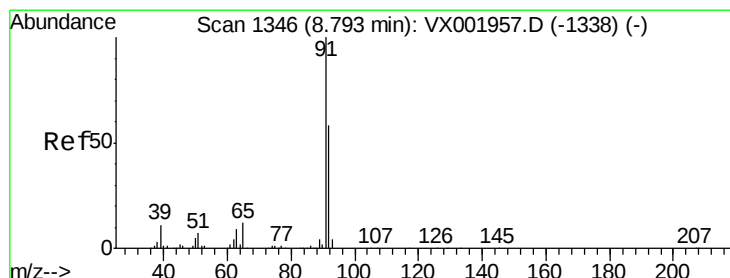
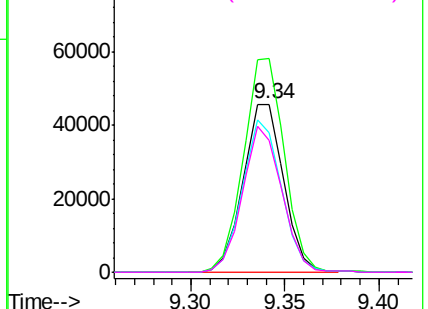
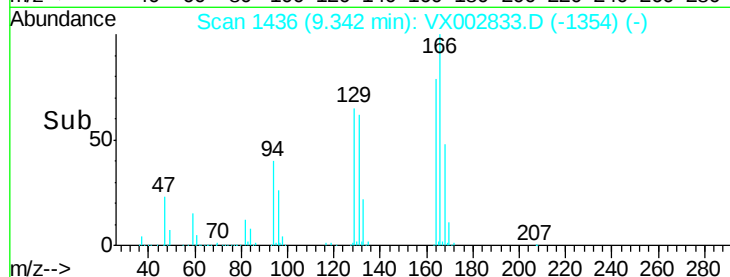
#61
Tetrachloroethene
Concen: 22.04 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 67982
Ion Ratio Lower Upper
164 100
166 127.1 102.4 153.6
129 83.0 70.1 105.1
131 78.5 69.1 103.7

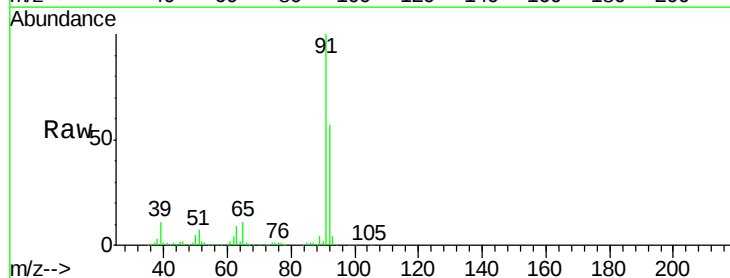


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

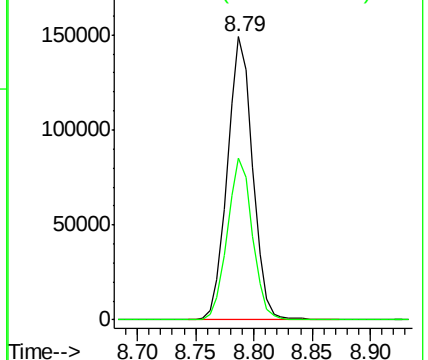
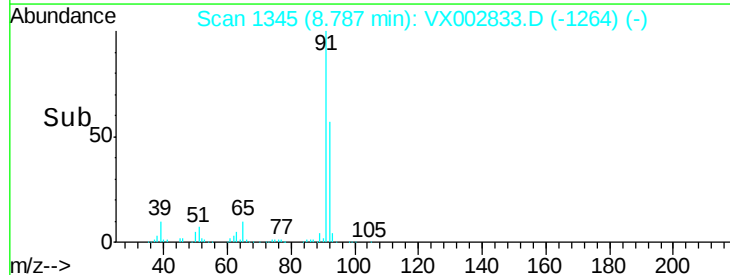


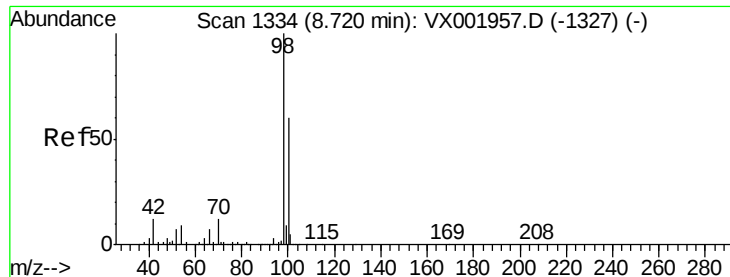
#62
Toluene
Concen: 20.74 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 91 Resp: 224633
Ion Ratio Lower Upper
91 100
92 56.7 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.70 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

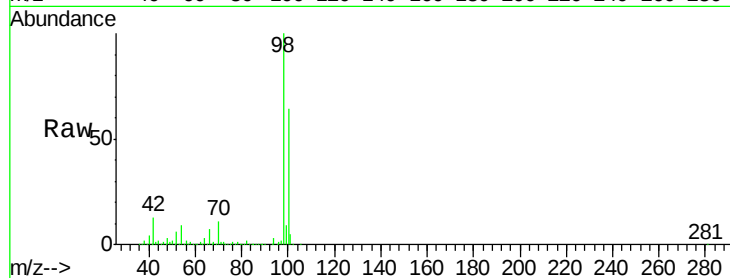
ClientSampleId :

Tot Ion: 98 Resp: 301333

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX001957.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX002833.D (-1252) (-)

8.72

200000

150000

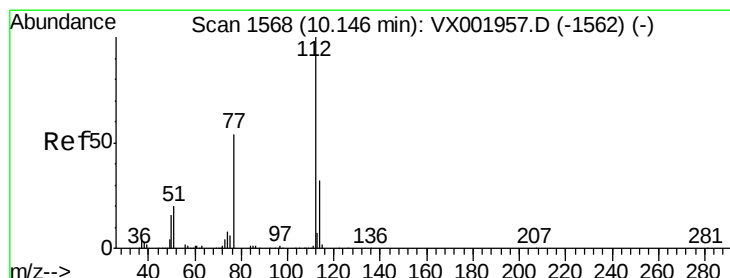
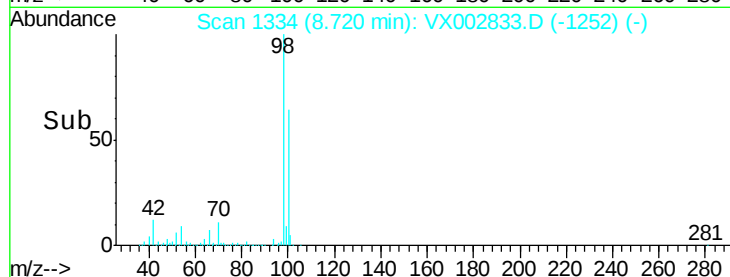
100000

50000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#64

Chlorobenzene

Concen: 20.69 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002833.D

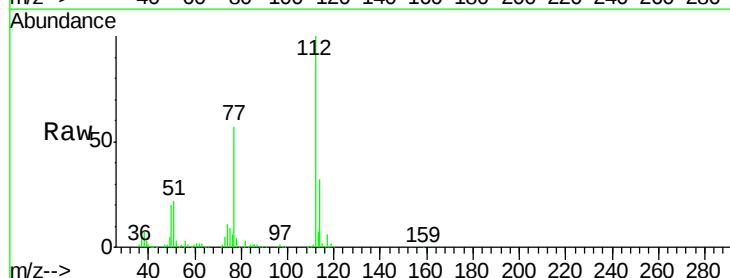
Acq: 22 Jun 2018 14:15

Tgt Ion: 112 Resp: 148916

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX001957.D (-1562) (-)

Ion 114.00 (113.70 to 114.70): VX002833.D (-1485) (-)

10.14

120000

100000

80000

60000

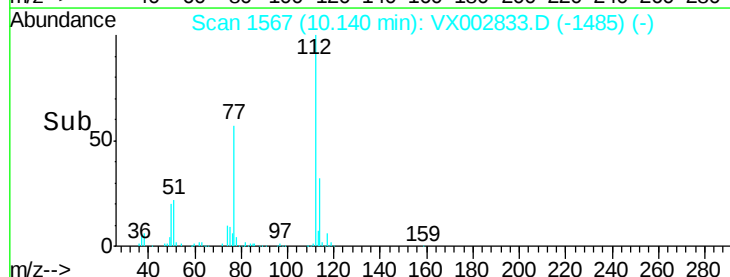
40000

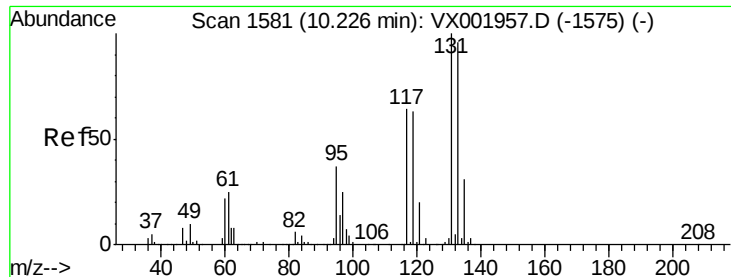
20000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.67 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

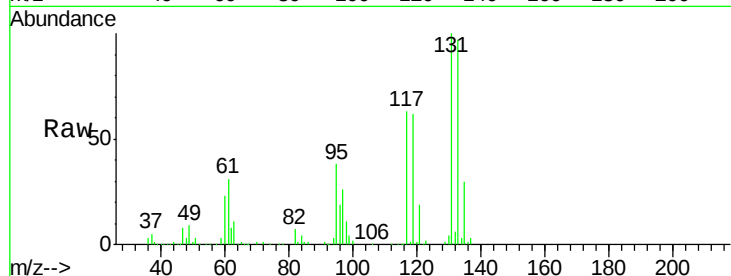
Tot Ion:131 Resp: 54522

Ion Ratio Lower Upper

131 100

133 97.2 0.0 191.2

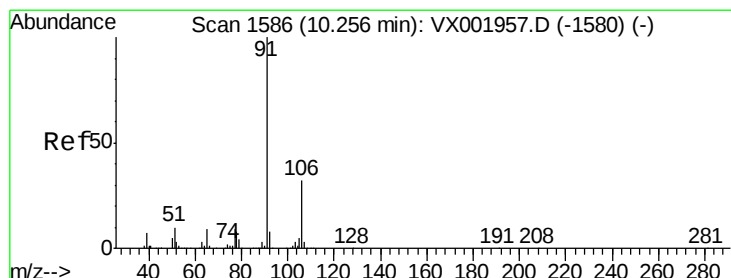
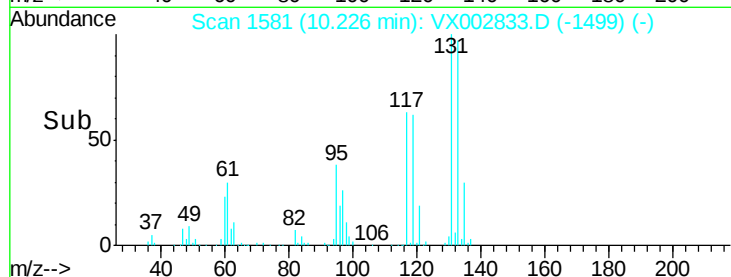
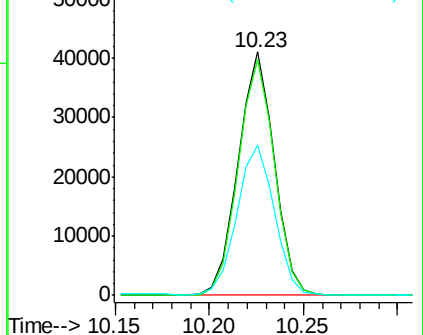
119 63.9 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.20 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002833.D

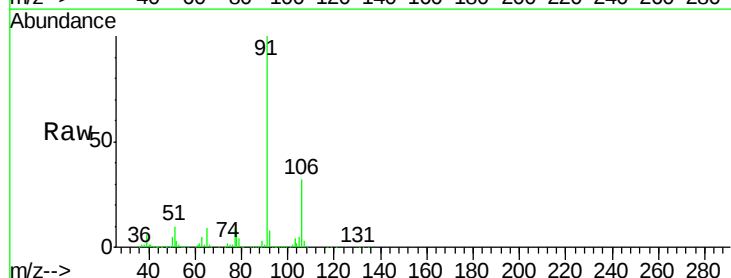
Acq: 22 Jun 2018 14:15

Tgt Ion: 91 Resp: 246420

Ion Ratio Lower Upper

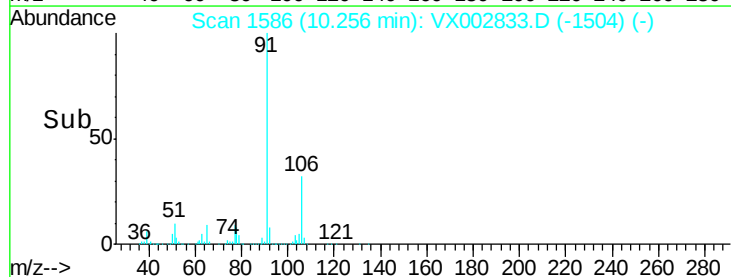
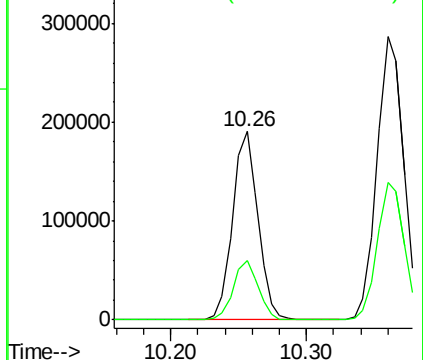
91 100

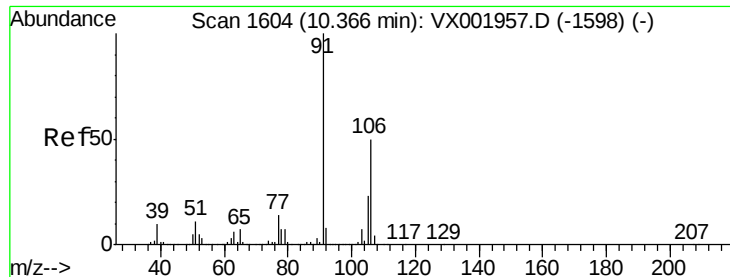
106 31.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 40.38 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

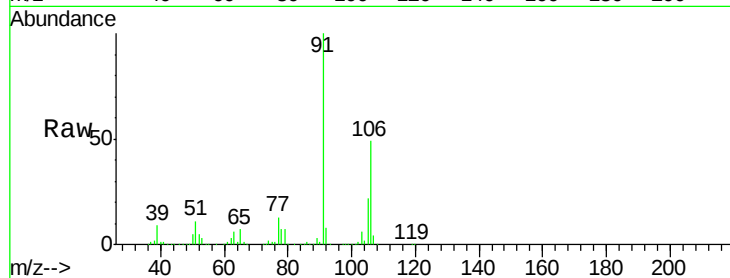
ClientSampleId :

Tot Ion:106 Resp: 191417

Ion Ratio Lower Upper

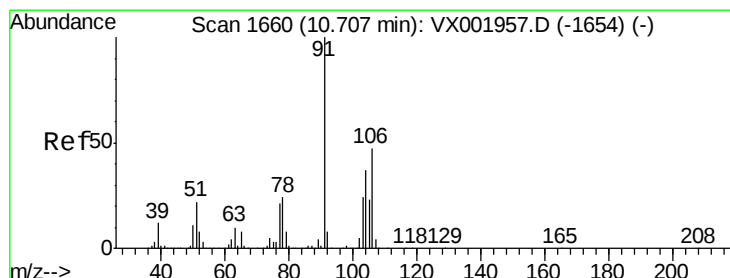
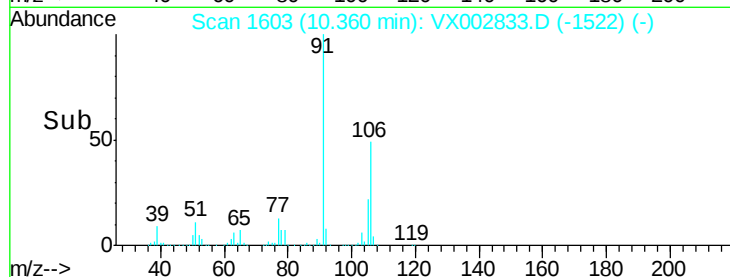
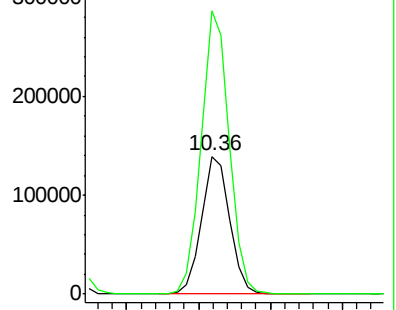
106 100

91 203.8 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.09 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002833.D

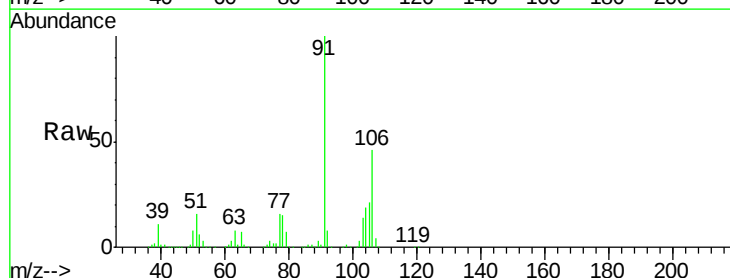
Acq: 22 Jun 2018 14:15

Tgt Ion:106 Resp: 92787

Ion Ratio Lower Upper

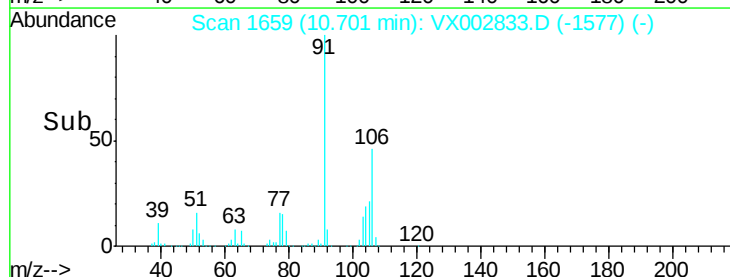
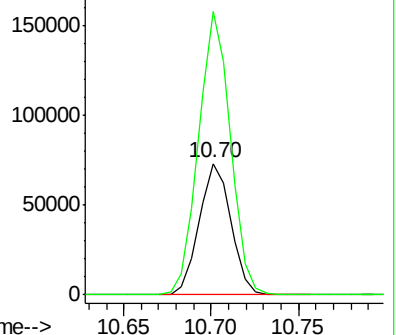
106 100

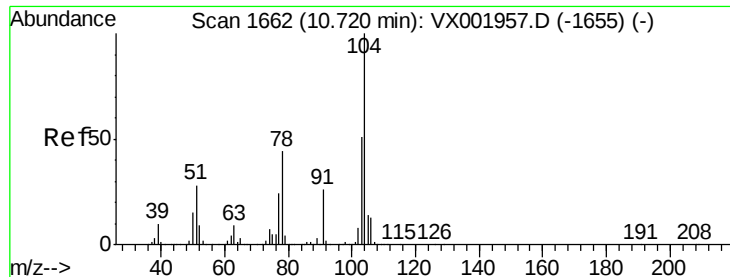
91 215.9 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

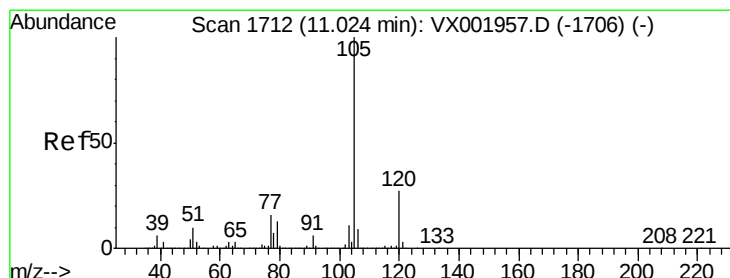
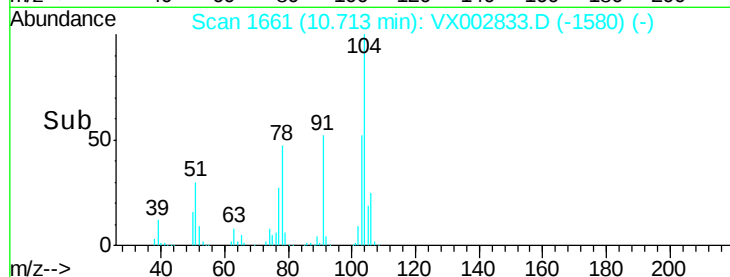
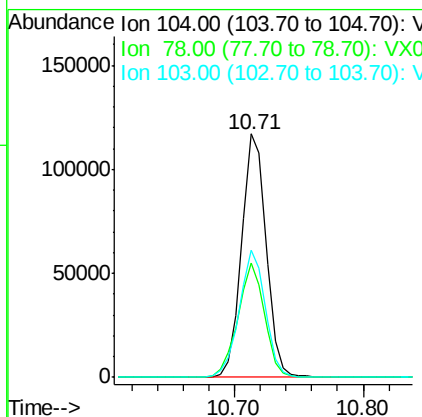
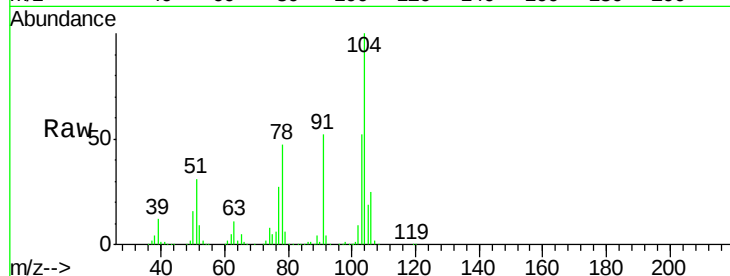




#69
Stvrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

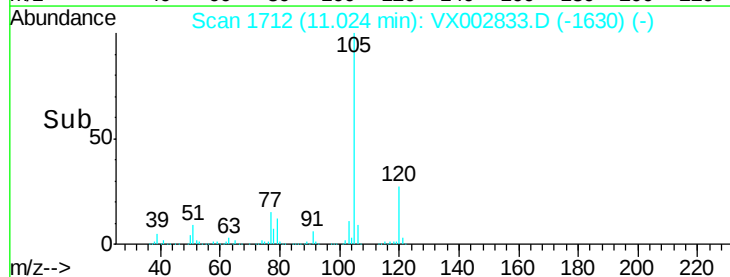
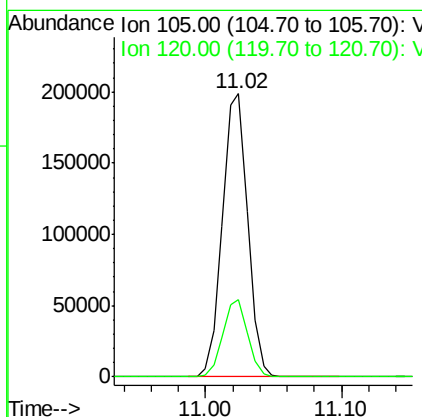
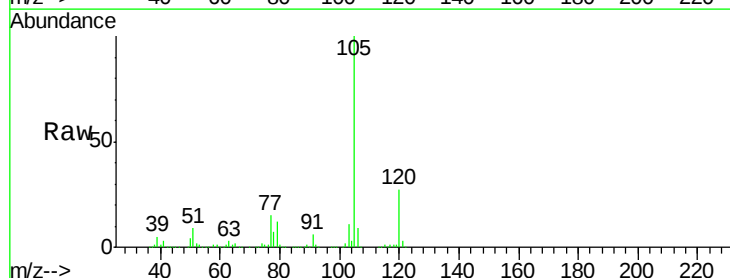
Instrument :
MSVOA_X
ClientSampleId :

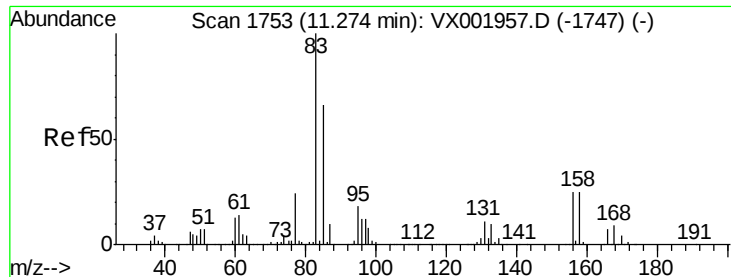
Tot Ion:104 Resp: 153613
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 55.7 44.9 67.3



#70
Isopropylbenzene
Concen: 20.12 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion:105 Resp: 256201
Ion Ratio Lower Upper
105 100
120 26.8 19.0 35.2

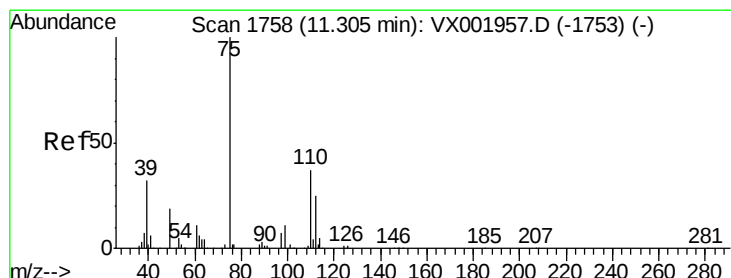
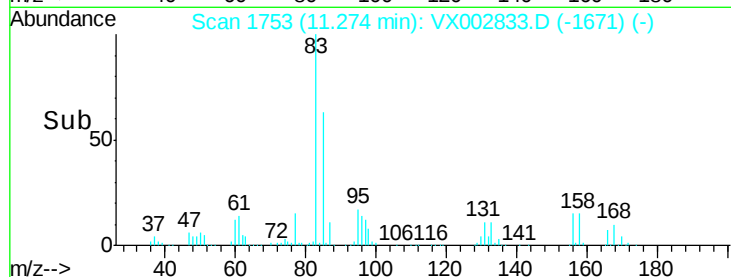
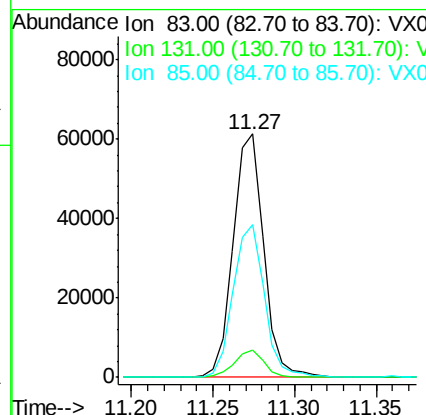
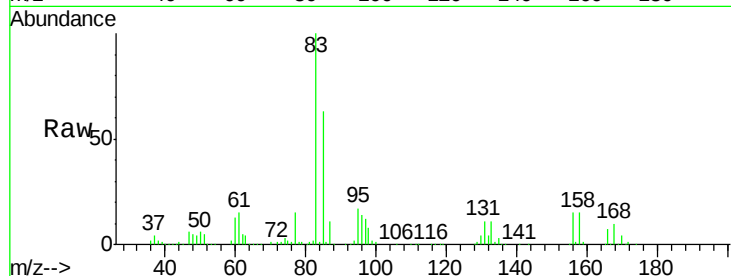




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.97 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

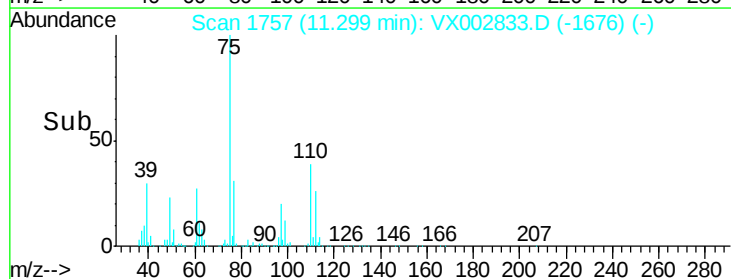
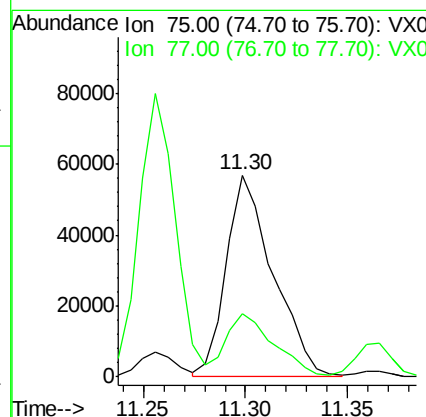
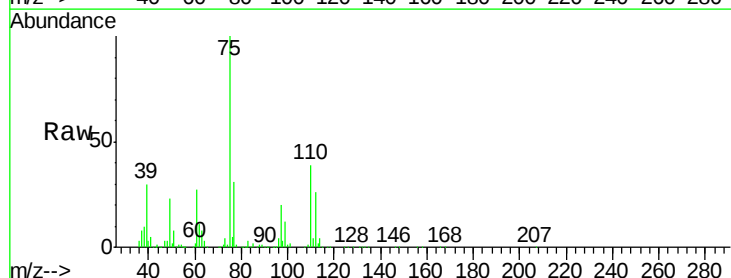
Instrument :
 MSVOA_X
 ClientSampleId :

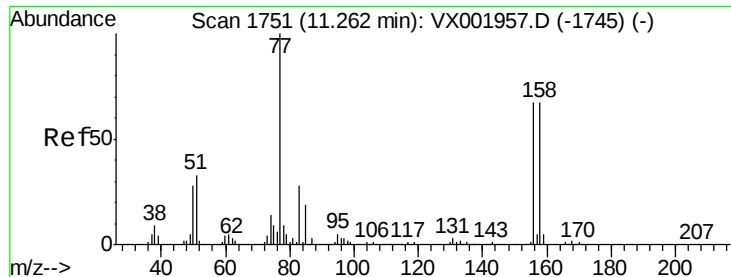
Tot Ion: 83 Resp: 79850
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.4 16.2
 85 64.2 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 27.57 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 75 Resp: 91001
 Ion Ratio Lower Upper
 75 100
 77 32.3 0.0 71.8





#73

Bromobenzene

Concen: 20.08 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

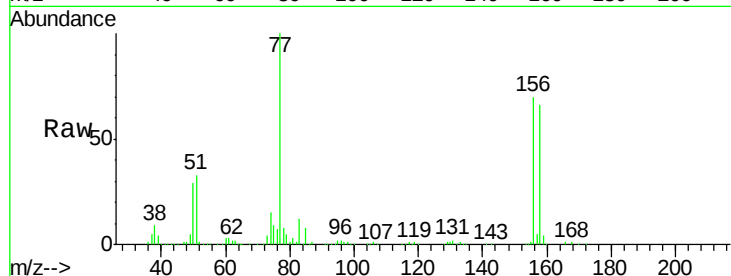
Tot Ion:156 Resp: 71135

Ion Ratio Lower Upper

156 100

77 139.1 0.0 301.0

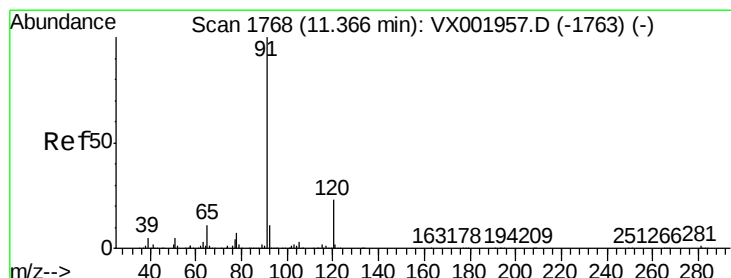
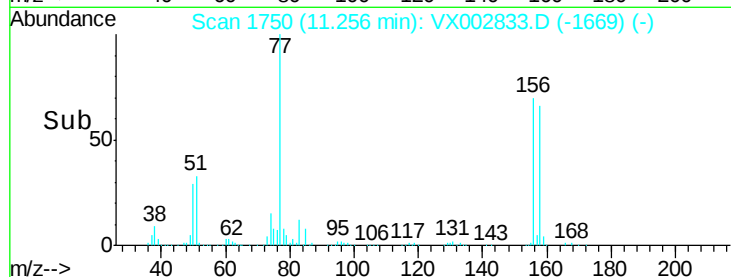
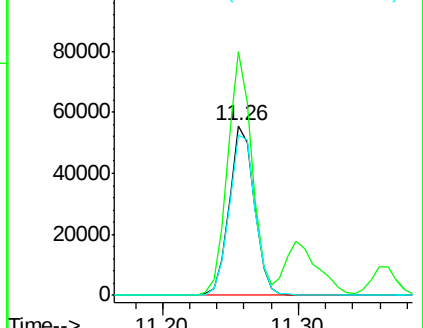
158 97.6 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.75 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002833.D

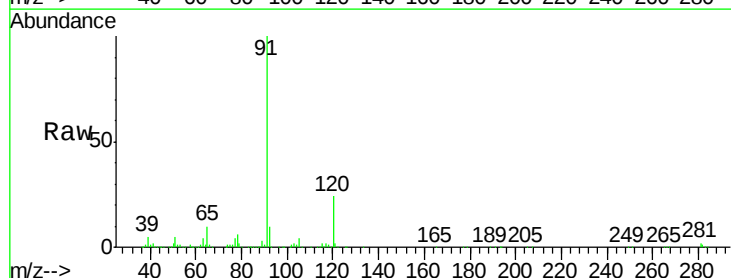
Acq: 22 Jun 2018 14:15

Tgt Ion: 91 Resp: 291951

Ion Ratio Lower Upper

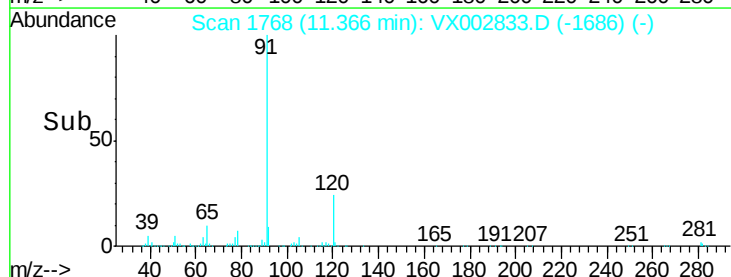
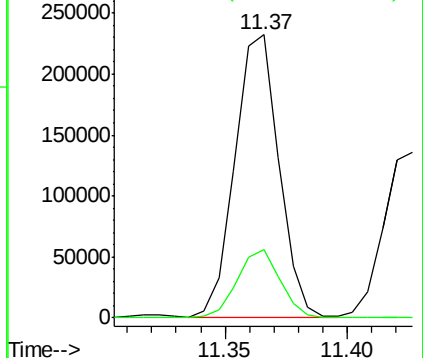
91 100

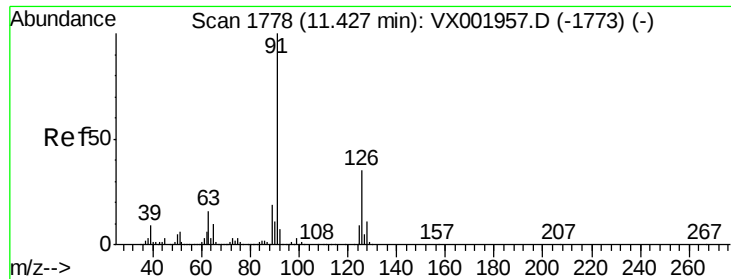
120 23.6 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.46 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

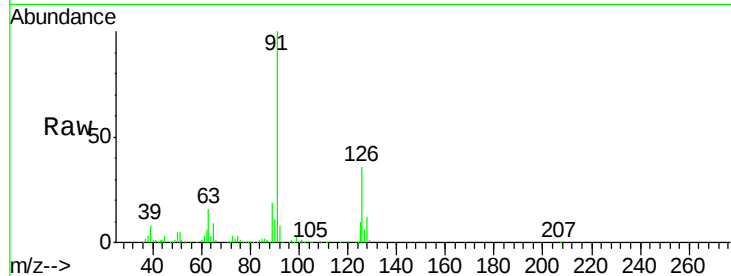
ClientSampled :

Tot Ion: 91 Resp: 176036

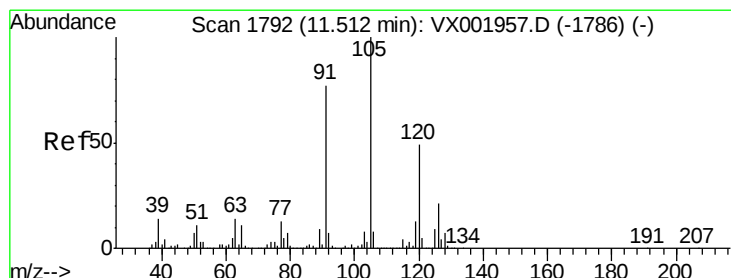
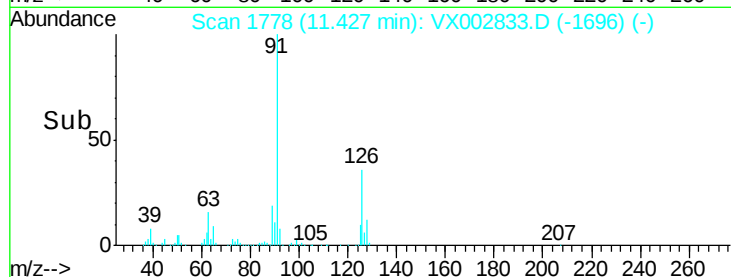
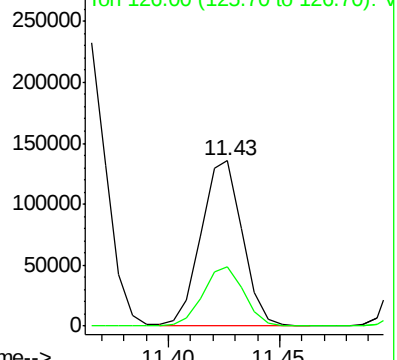
Ion Ratio Lower Upper

91 100

126 35.4 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX001957.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.82 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002833.D

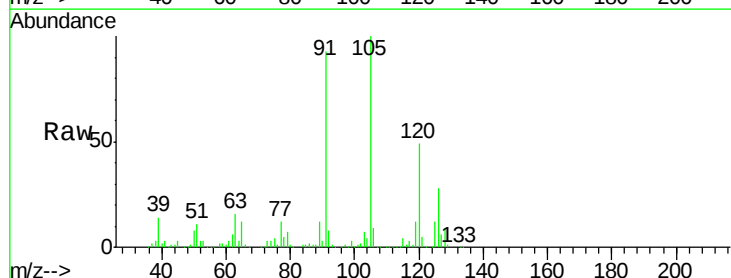
Acq: 22 Jun 2018 14:15

Tgt Ion:105 Resp: 214299

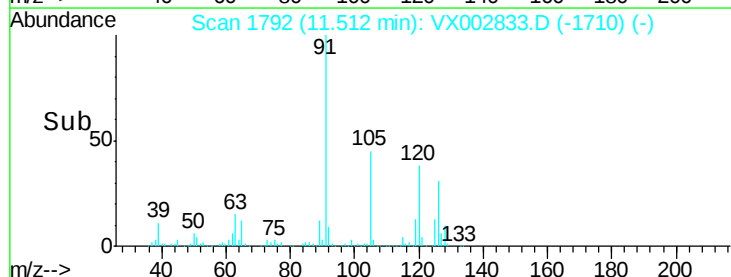
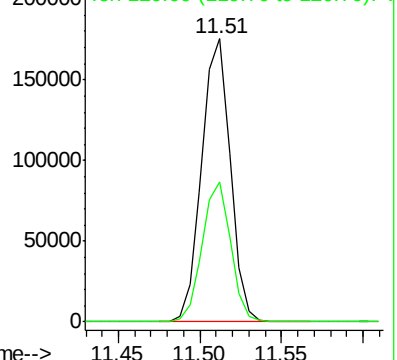
Ion Ratio Lower Upper

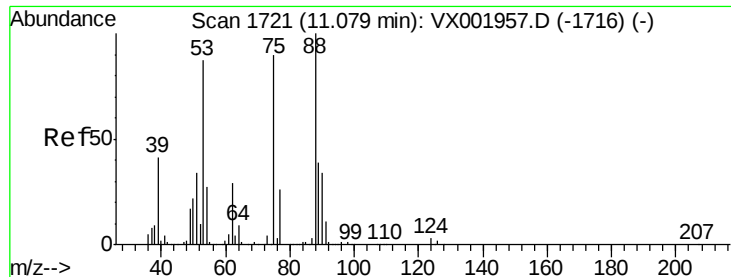
105 100

120 48.9 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX001957.D (-1786) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.05 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

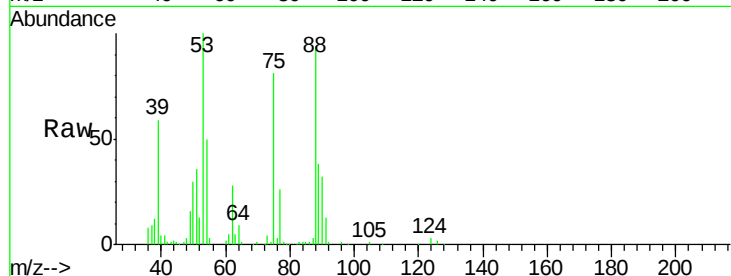
Tot Ion: 75 Resp: 19161

Ion Ratio Lower Upper

75 100

53 124.2 48.3 144.9

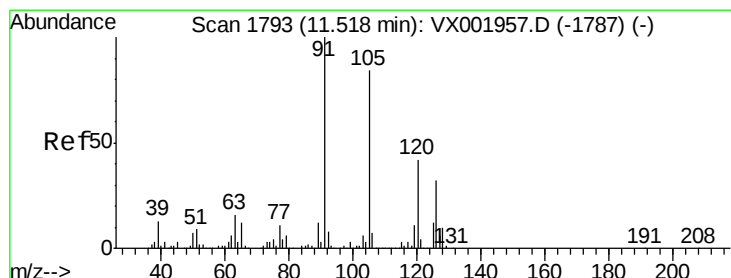
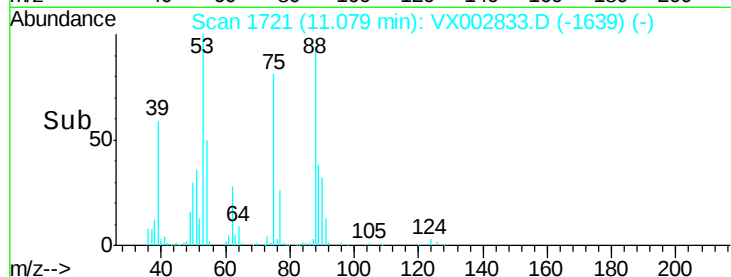
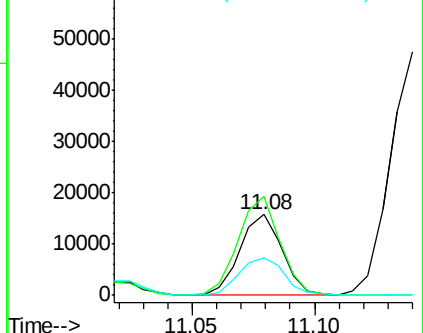
89 46.7 21.8 65.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.06 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002833.D

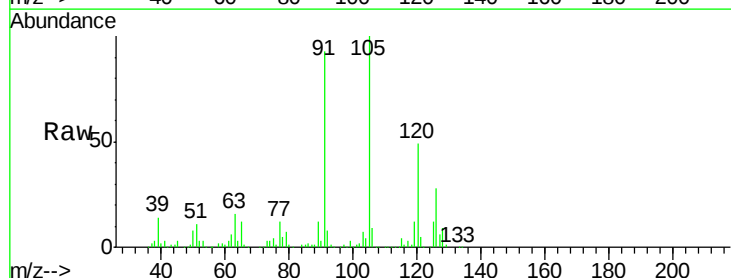
Acq: 22 Jun 2018 14:15

Tgt Ion: 91 Resp: 204470

Ion Ratio Lower Upper

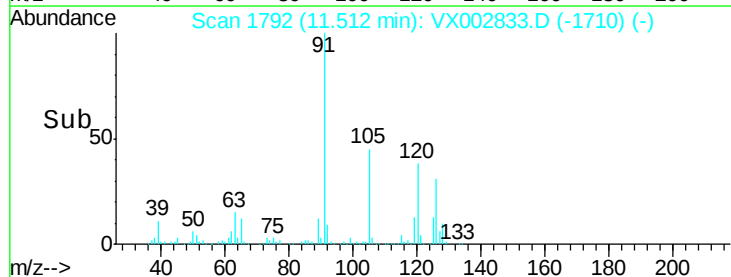
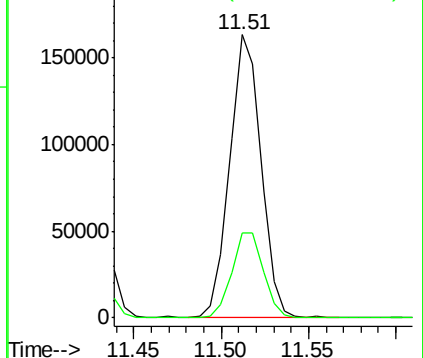
91 100

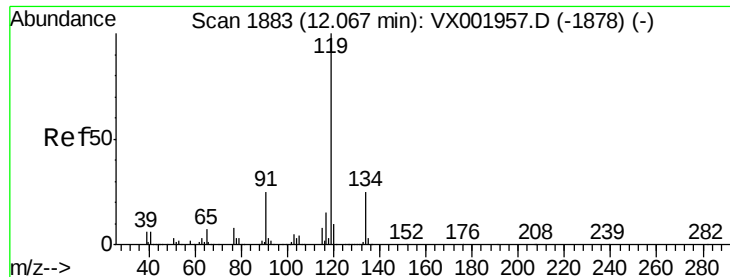
126 30.5 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.04 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

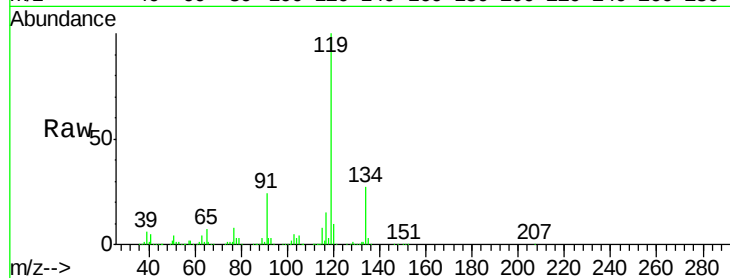
Tot Ion:119 Resp: 227094

Ion Ratio Lower Upper

119 100

91 23.7 0.0 48.0

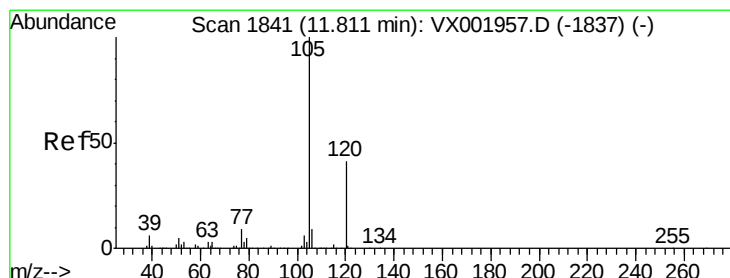
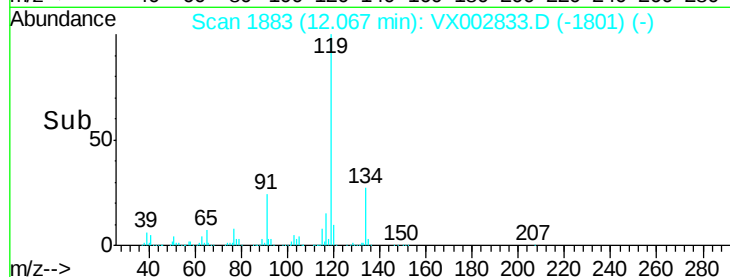
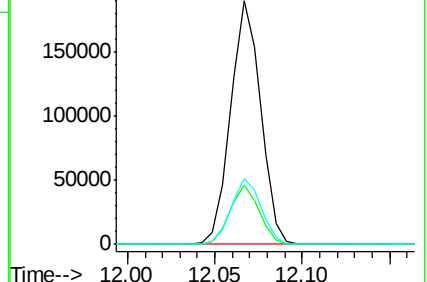
134 27.0 0.0 52.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.03 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002833.D

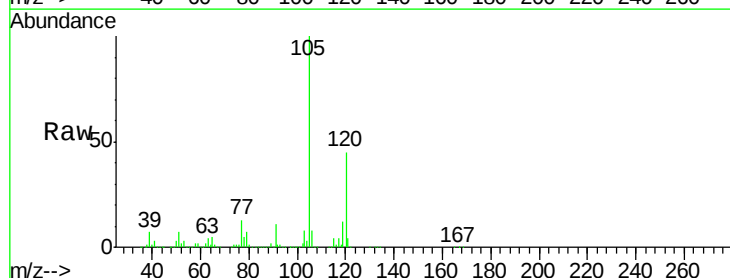
Acq: 22 Jun 2018 14:15

Tgt Ion:105 Resp: 221169

Ion Ratio Lower Upper

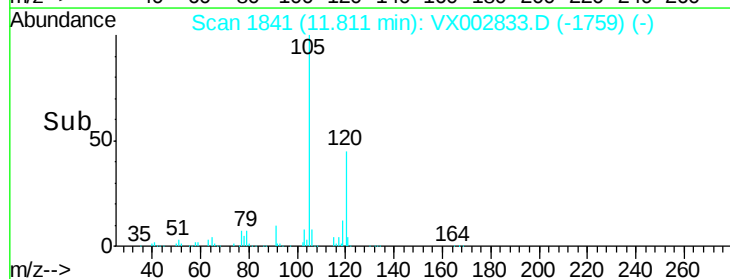
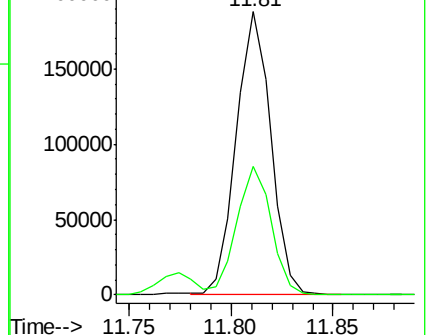
105 100

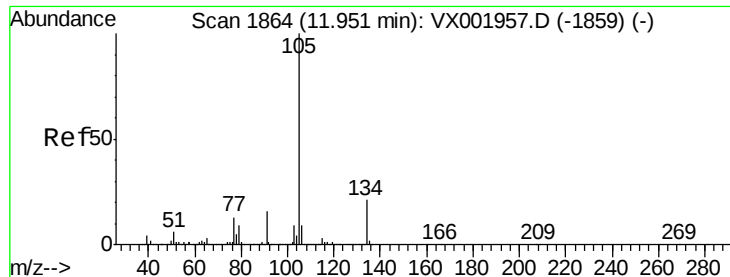
120 45.3 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

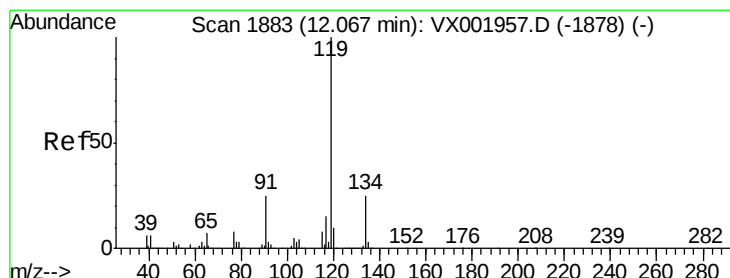
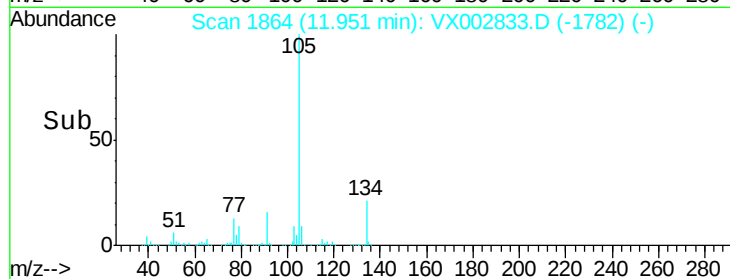
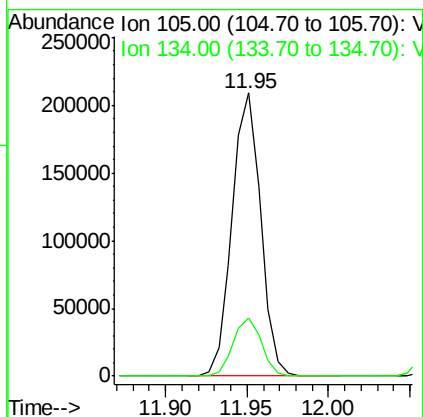
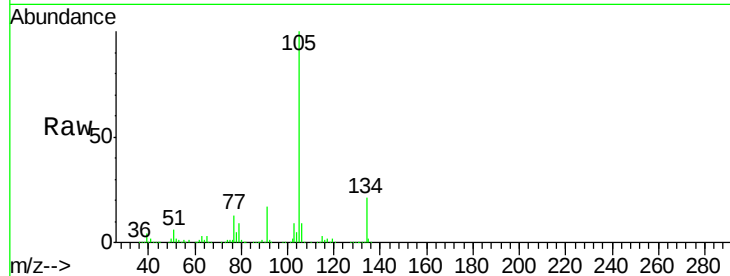




#81
 sec-Butylbenzene
 Concen: 19.27 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

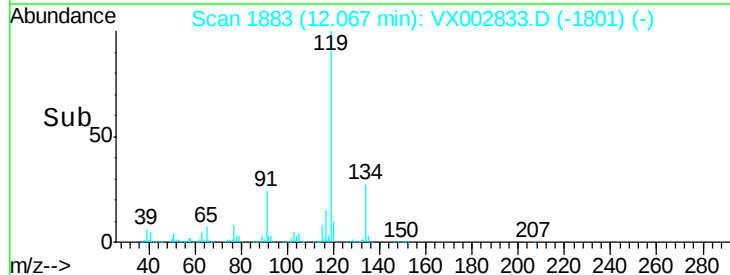
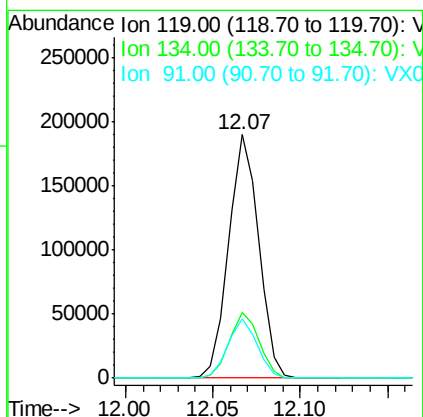
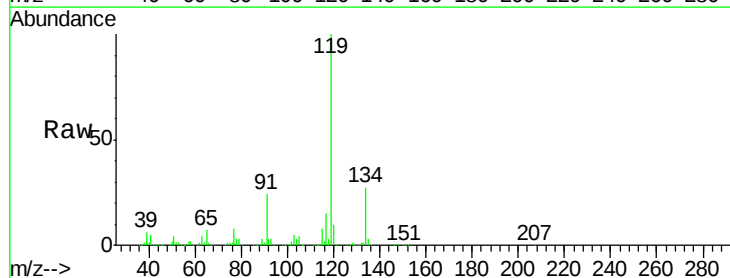
Instrument :
 MSVOA_X
 ClientSampleId :

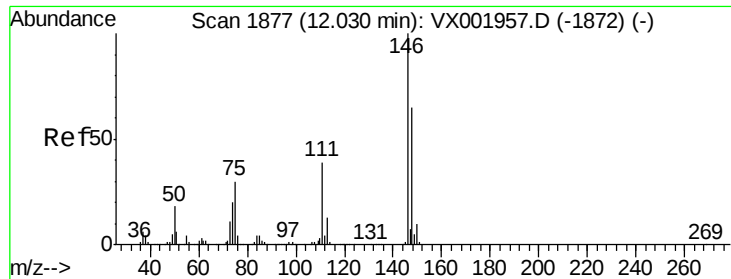
Tot Ion:105 Resp: 254875
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 41.6



#82
 p-Isopropyltoluene
 Concen: 19.04 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion:119 Resp: 227094
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 52.6
 91 23.7 0.0 48.0





#83

1,3-Dichlorobenzene

Concen: 19.64 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

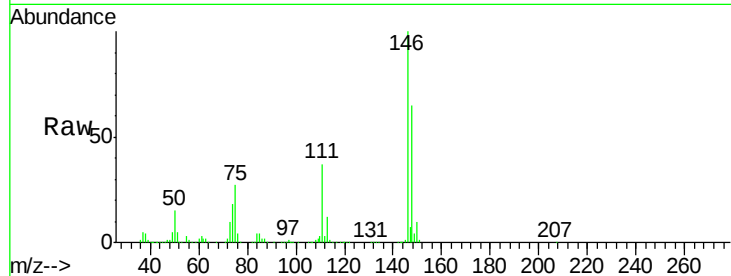
Tot Ion:146 Resp: 127980

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.5

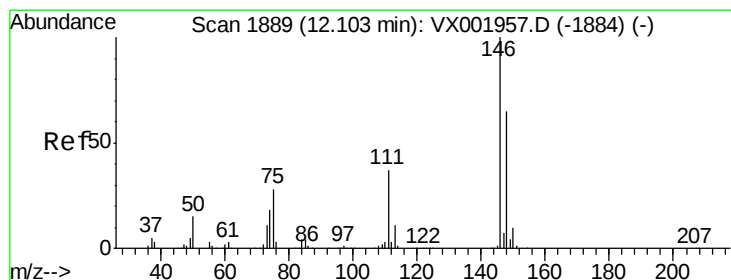
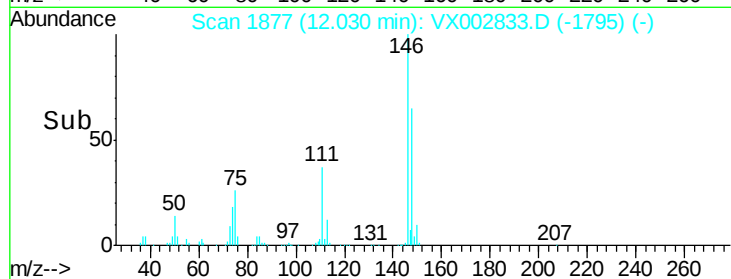
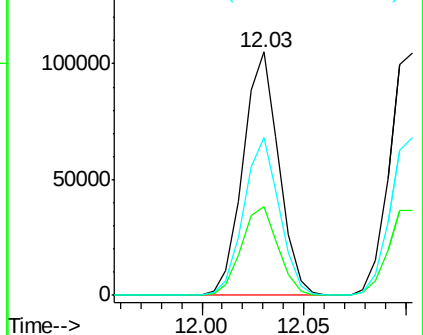
148 64.5 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.77 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

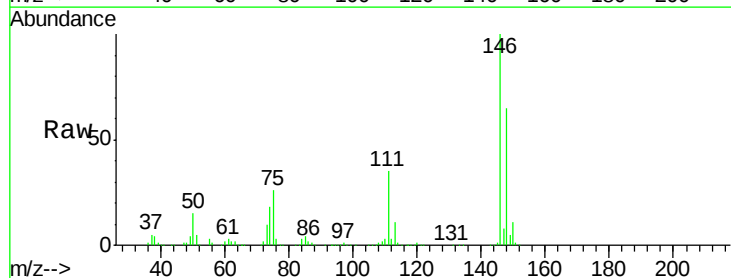
Tgt Ion:146 Resp: 130169

Ion Ratio Lower Upper

146 100

111 35.8 18.5 55.5

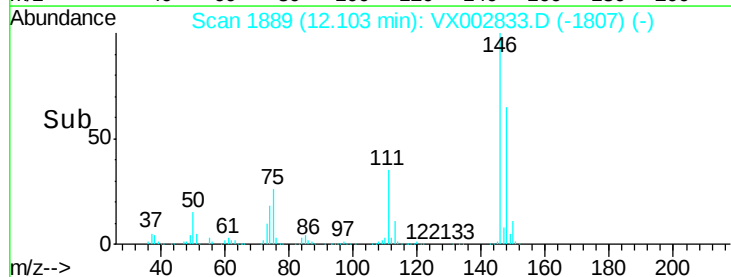
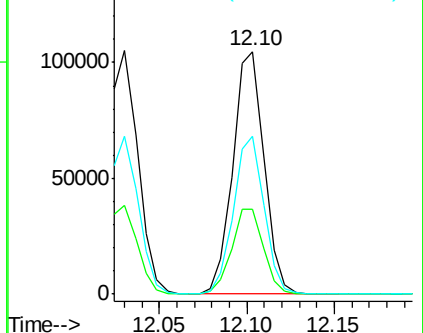
148 64.0 32.0 96.0

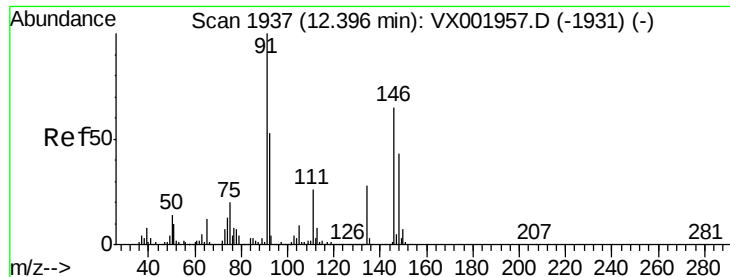


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

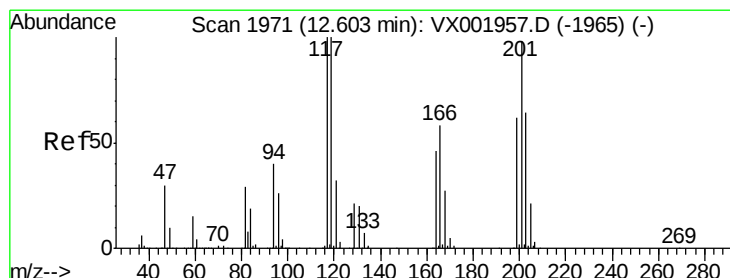
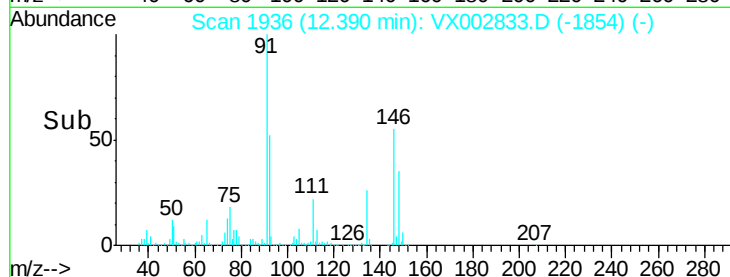
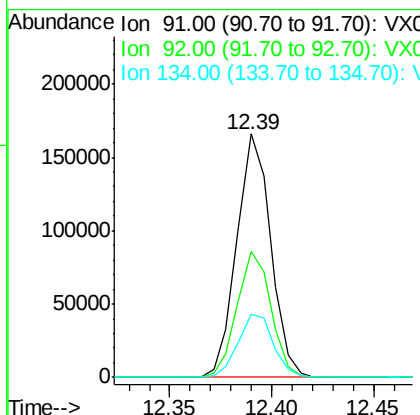
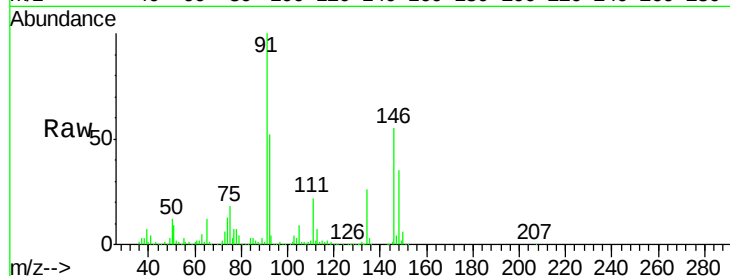




#85
n-Butylbenzene
Concen: 18.14 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

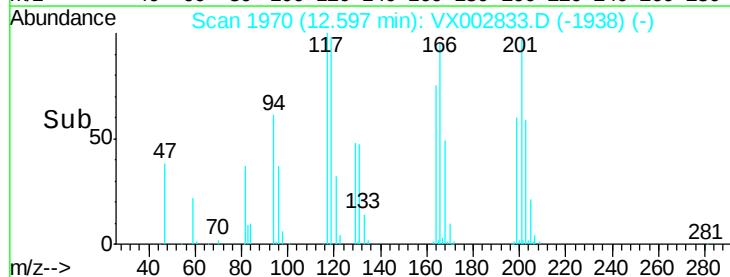
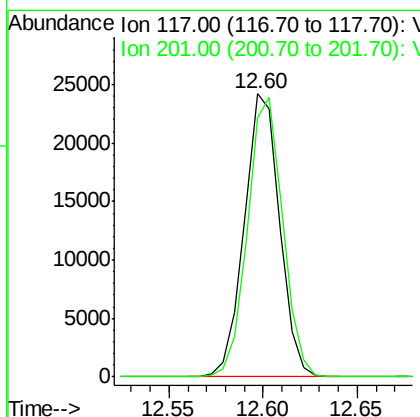
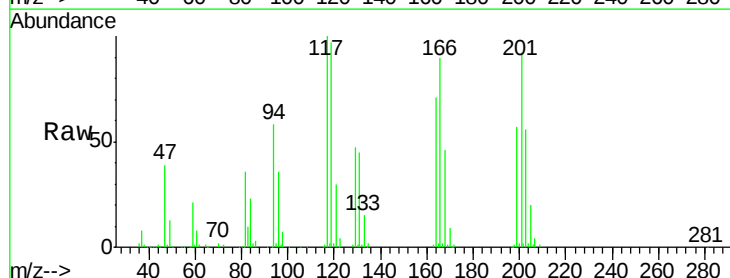
Instrument :
MSVOA_X
ClientSampled :

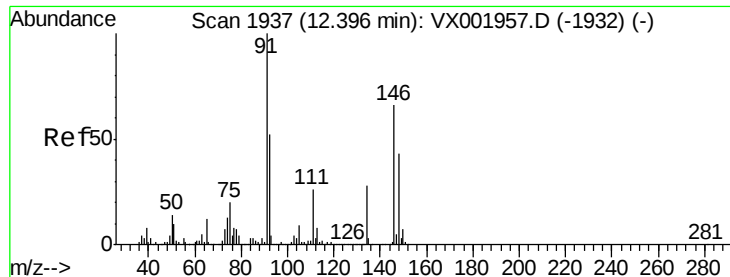
Tot Ion: 91 Resp: 191744
Ion Ratio Lower Upper
91 100
92 51.7 0.0 105.2
134 26.9 0.0 53.2



#86
Hexachloroethane
Concen: 17.44 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 117 Resp: 31523
Ion Ratio Lower Upper
117 100
201 98.0 47.6 142.8

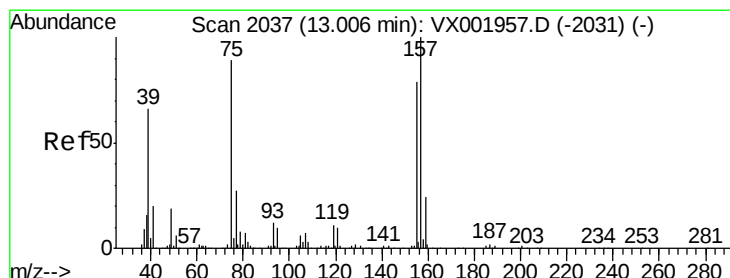
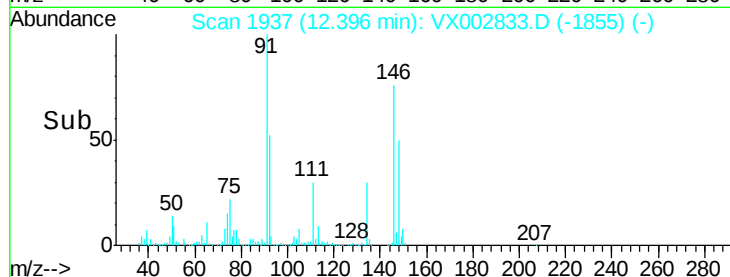
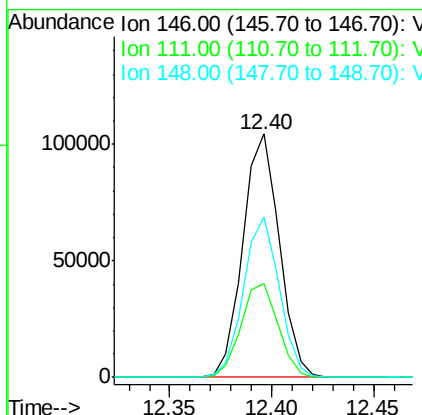
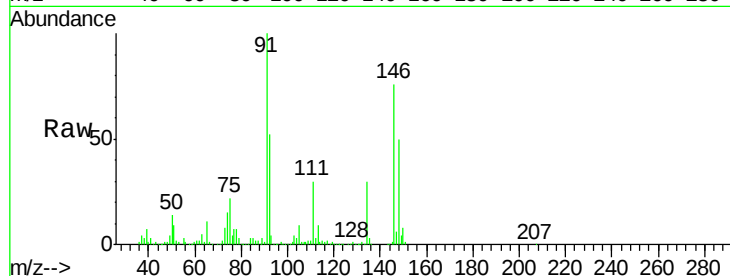




#87
 1,2-Dichlorobenzene
 Concen: 19.72 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

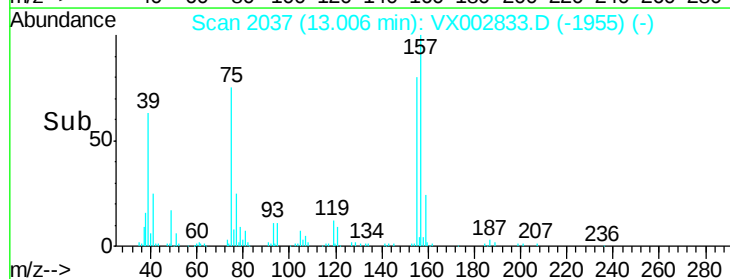
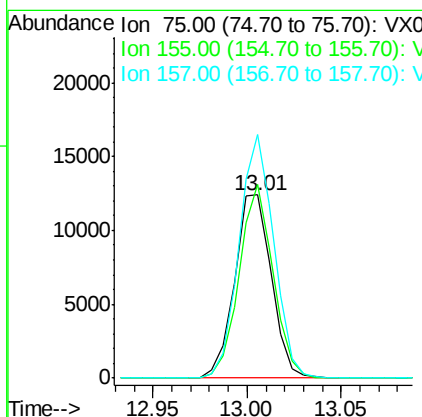
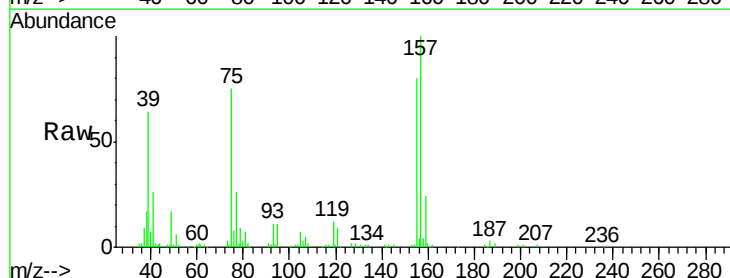
Instrument :
 MSVOA_X
 ClientSampleId :

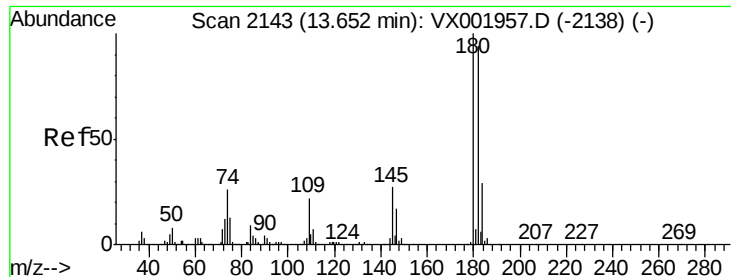
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	65.0	32.8	98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.75 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	73.1	109.7
157	124.5	93.1	139.7

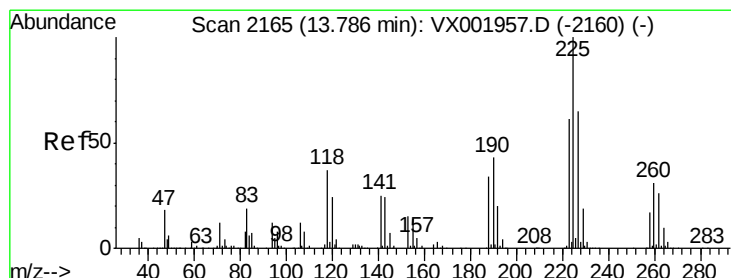
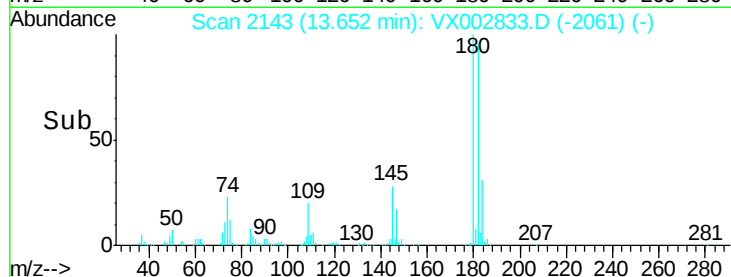
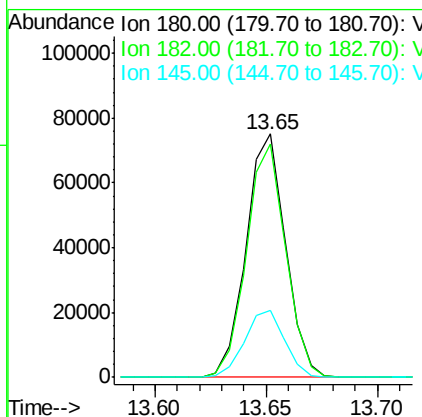
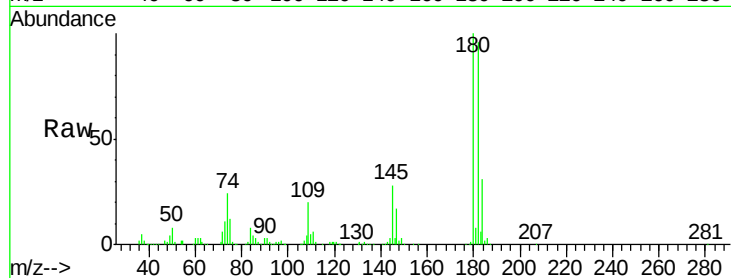




#89
 1,2,4-Trichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

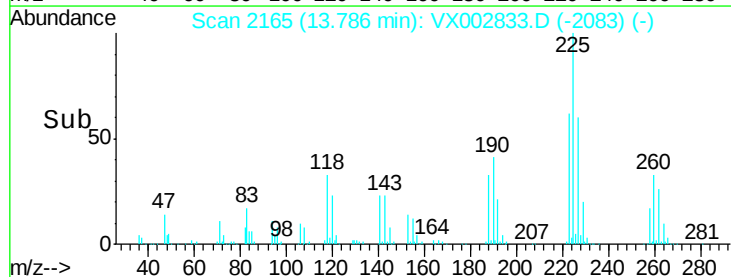
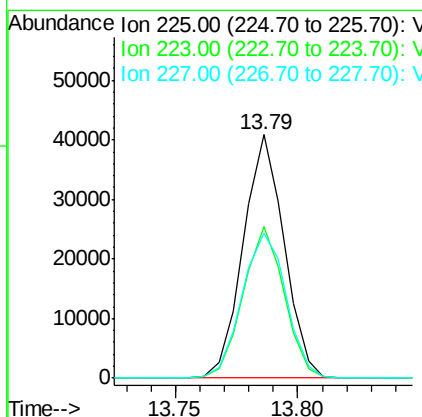
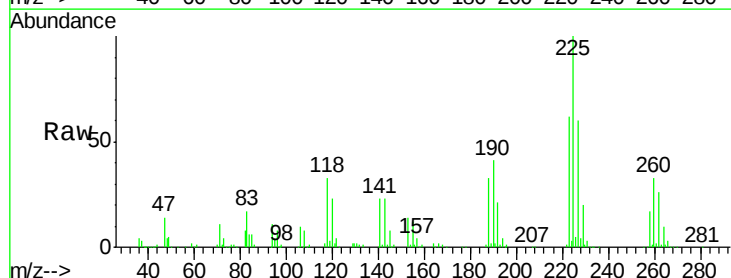
Instrument :
 MSVOA_X
 ClientSampleId :

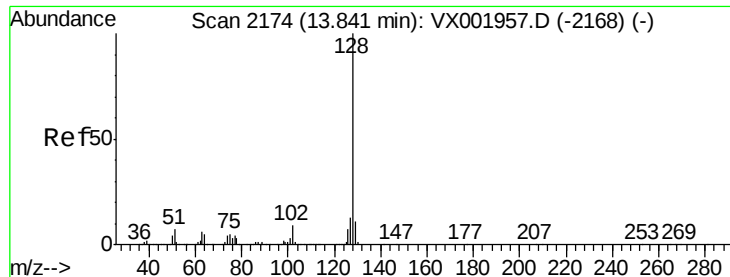
Tot Ion:180 Resp: 92710
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 145 28.1 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 18.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion:225 Resp: 47513
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 122.4
 227 64.3 0.0 128.0





#91

Naphthalene

Concen: 20.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

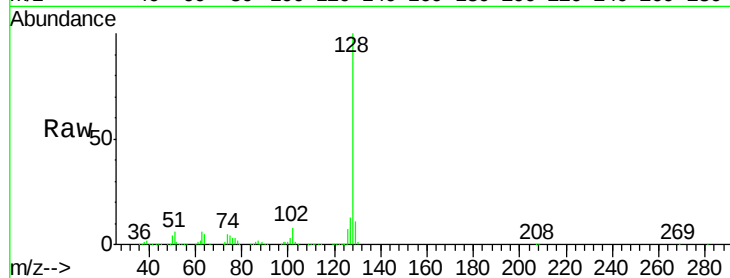
Tot Ion:128 Resp: 265661

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

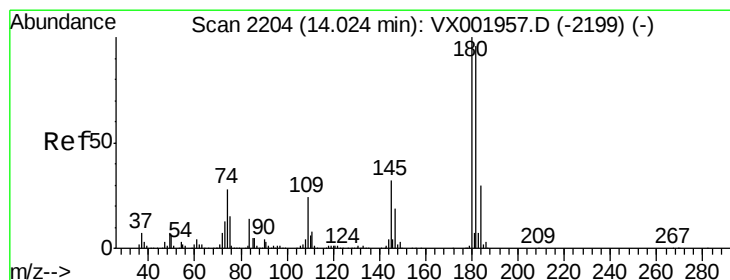
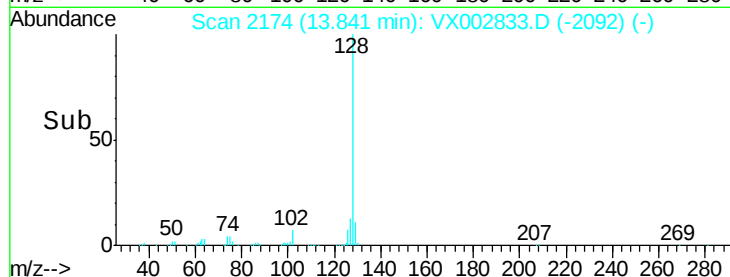
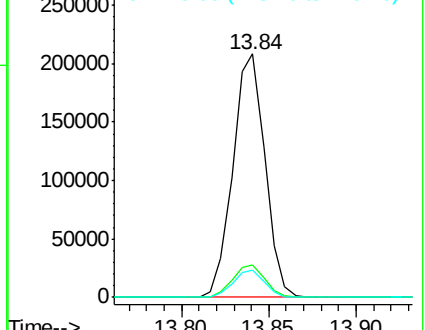
129 11.0 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 19.59 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

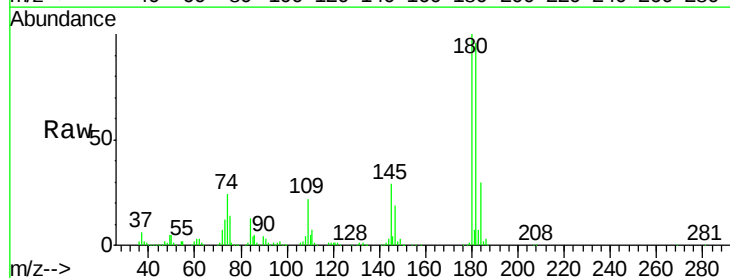
Tgt Ion:180 Resp: 96816

Ion Ratio Lower Upper

180 100

182 95.3 0.0 191.0

145 29.1 0.0 60.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

