

Data File : VX001958.D

Acq On : 24 May 2018 23:25

Operator : JC/MD

Sample : VSTDIC050

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Quant Time: May 25 01:58:11 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 25 01:52:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	68226	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	380625	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	347147	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	159497	31.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.97%
60) 4-Bromofluorobenzene	11.14	95	177723	31.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.60%
63) Toluene-d8	8.72	98	465746	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	175094	54.13	ug/l	99
3) Chloromethane	1.32	50	211732	57.55	ug/l	99
4) Vinyl Chloride	1.40	62	209140	54.99	ug/l	100
5) Bromomethane	1.64	94	113173	60.47	ug/l	98
6) Chloroethane	1.72	64	125231	50.50	ug/l	96
7) Trichlorofluoromethane	1.93	101	323243	58.12	ug/l	98
8) Diethyl Ether	2.19	74	120686	51.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	172672	56.55	ug/l	98
10) 1,1-Dichloroethene	2.37	96	167003	53.38	ug/l	97
11) Methyl Iodide	2.51	142	279642	60.44	ug/l	98
12) Methyl Acetate	2.78	43	275349	52.40	ug/l	99
13) Acrolein	2.30	56	110412	192.51	ug/l	99
14) Acrylonitrile	3.16	53	562463	265.53	ug/l	99
15) Acetone	2.45	58	149381	262.66	ug/l	99
16) Carbon Disulfide	2.57	76	474826	59.15	ug/l	99
17) Allyl chloride	2.73	41	351909	57.73	ug/l	99
18) Methylene Chloride	2.86	84	189316	51.75	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	178110	52.74	ug/l	97
20) Diisopropyl ether	3.88	45	661571	57.77	ug/l	97
21) 1,1-Dichloroethane	3.70	63	352164	54.60	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	212213	55.10	ug/l	85
23) tert-Butyl Alcohol	2.79	59	22812	23.27	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	659935	57.10	ug/l	99
25) Chloroform	5.23	83	371669	55.71	ug/l	99
26) Cyclohexane	5.58	56	325922	65.73	ug/l #	100
29) 1,1-Dichloropropene	5.81	75	269555	56.45	ug/l	100
30) 2-Butanone	4.72	43	935227	291.84	ug/l	99
31) 2,2-Dichloropropane	4.59	77	231638	55.60	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	348126	57.04	ug/l	99
33) Carbon Tetrachloride	5.79	117	315858	58.06	ug/l	97
34) Benzene	6.15	78	810229	53.55	ug/l	98
35) Methacrylonitrile	5.07	41	208363	59.84	ug/l	98
36) 1,2-Dichloroethane	6.21	62	317939	53.35	ug/l	100
37) Trichloroethene	7.22	130	230436	52.10	ug/l	96
38) Methylcyclohexane	7.46	83	315169	60.56	ug/l	99
39) 1,2-Dichloropropane	7.52	63	216417	56.03	ug/l	99
40) Dibromomethane	7.67	93	145774	53.51	ug/l	98

Data File : VX001958.D

Acq On : 24 May 2018 23:25

Operator : JC/MD

Sample : VSTDIC050

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Quant Time: May 25 01:58:11 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 25 01:52:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	304779	58.02	ug/l	96
42) Vinyl Acetate	3.83	43	2973796	282.06	ug/l	100
43) Ethyl Acetate	4.88	43	372101	60.39	ug/l	97
44) Isopropyl Acetate	6.48	43	616000	63.74	ug/l	100
45) 1,4-Dioxane	7.77	88	117146	1088.74	ug/l #	92
46) Methyl methacrylate	7.79	41	310564	60.65	ug/l	99
47) n-amyl Acetate	10.90	43	571099	67.43	ug/l #	91
48) t-1,3-Dichloropropene	8.45	75	343515	58.90	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	337302	64.05	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	212741	53.54	ug/l	98
51) Ethyl methacrylate	9.19	69	368069	60.78	ug/l	97
52) 1,3-Dichloropropane	9.38	76	356345	53.84	ug/l	100
53) Dibromochloromethane	9.59	129	259730	60.21	ug/l	99
54) 1,2-Dibromoethane	9.68	107	229886	54.50	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	858797	273.18	ug/l	100
56) Bromoform	10.87	173	227645	63.31	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	1910113	297.66	ug/l	100
59) 2-Hexanone	9.51	43	1487122	307.54	ug/l	100
61) Tetrachloroethene	9.34	164	268239	53.70	ug/l	98
62) Toluene	8.79	91	891367	53.83	ug/l	99
64) Chlorobenzene	10.15	112	579525	53.64	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	232902	55.84	ug/l	99
66) Ethyl Benzene	10.26	91	1007027	57.69	ug/l	99
67) m/p-Xylenes	10.37	106	763317	111.15	ug/l	99
68) o-Xylene	10.71	106	383782	56.08	ug/l	99
69) Styrene	10.72	104	643221	57.00	ug/l	99
70) Isopropylbenzene	11.02	105	1029227	58.21	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	314281	53.63	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	405354	70.09	ug/l	91
73) Bromobenzene	11.26	156	275145	52.57	ug/l	99
74) n-propylbenzene	11.37	91	1161633	59.59	ug/l	99
75) 2-Chlorotoluene	11.43	91	706805	58.01	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	875437	58.72	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	107498	67.11	ug/l	97
78) 4-Chlorotoluene	11.52	91	811661	58.71	ug/l	100
79) tert-butylbenzene	12.07	119	928125	59.17	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	887035	58.47	ug/l	99
81) sec-Butylbenzene	11.95	105	1037235	59.89	ug/l	100
82) p-Isopropyltoluene	12.07	119	928125	59.17	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	491475	53.92	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	488577	53.45	ug/l	100
85) n-Butylbenzene	12.40	91	782103	61.81	ug/l	99
86) Hexachloroethane	12.60	117	182666	68.80	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	502623	53.27	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	94706	65.67	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	364075	54.19	ug/l	100
90) Hexachlorobutadiene	13.79	225	191888	55.72	ug/l	99
91) Naphthalene	13.84	128	1139306	55.66	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	375350	52.88	ug/l	99

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX052518\
Quantitation Report (Not Reviewed)

Data File : VX001958.D
Acq On : 24 May 2018 23:25
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Quant Time: May 25 01:58:11 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 01:52:03 2018
Response via : Initial Calibration

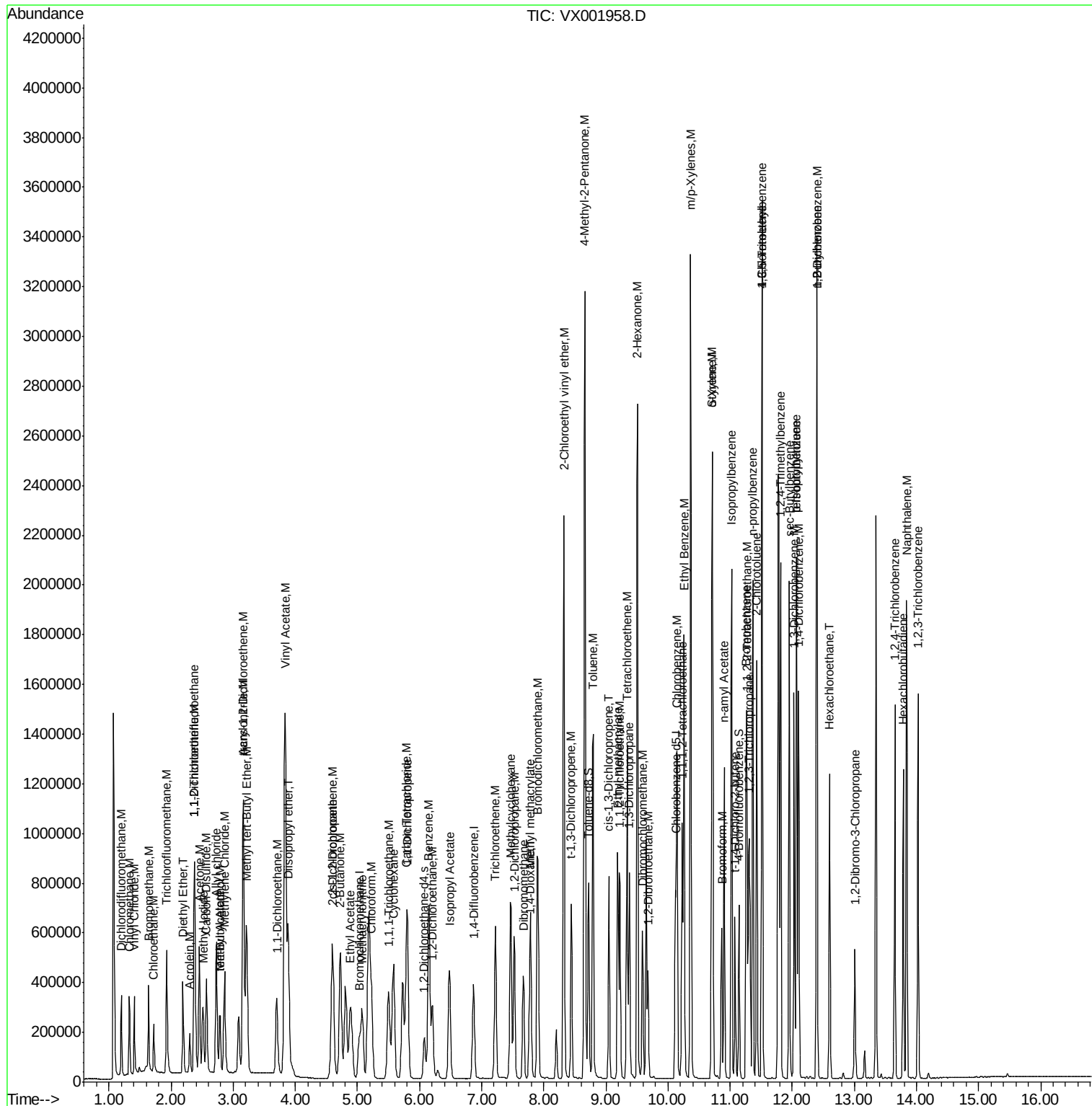
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

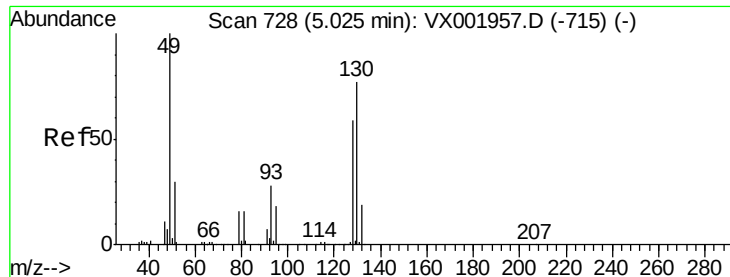
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 26 Sample Multiplier: 1

VSTDICC050

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

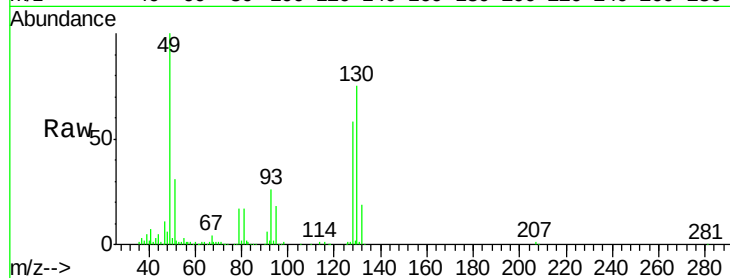
Tgt Ion:128 Resp: 68226

Ion Ratio Lower Upper

128 100

49 170.0 0.0 423.0

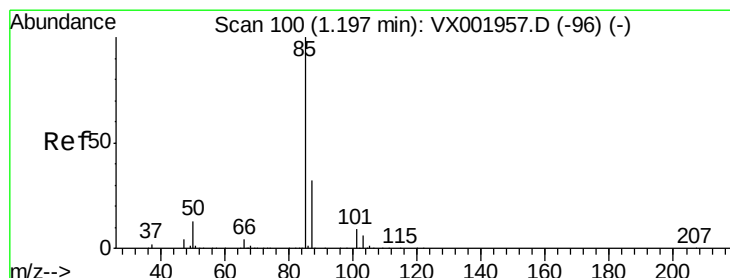
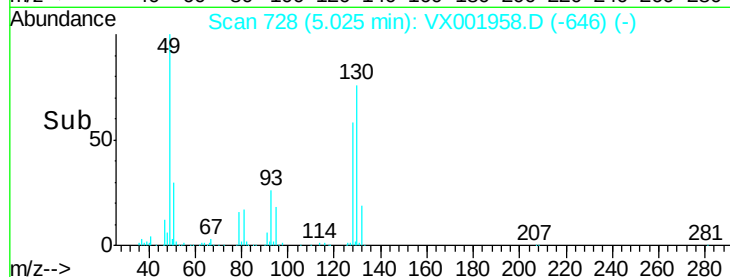
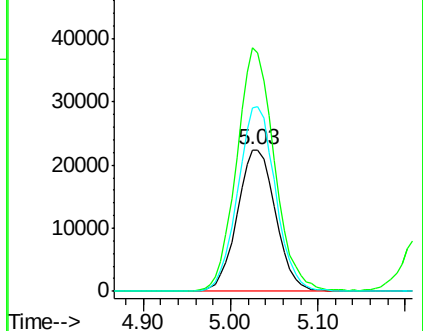
130 128.1 0.0 324.3



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: 54.13 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001958.D

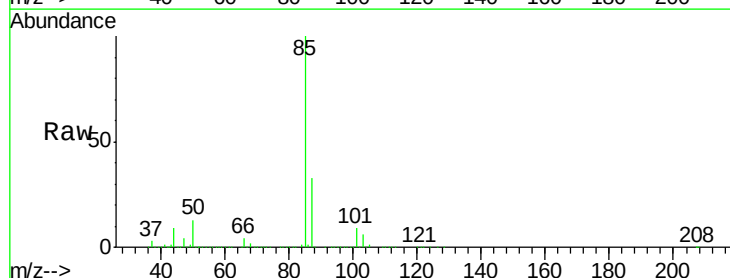
Acq: 24 May 2018 23:25

Tgt Ion: 85 Resp: 175094

Ion Ratio Lower Upper

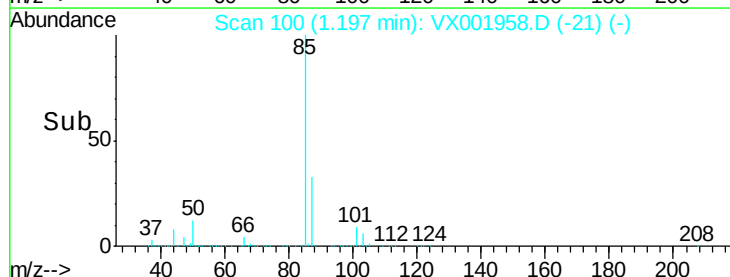
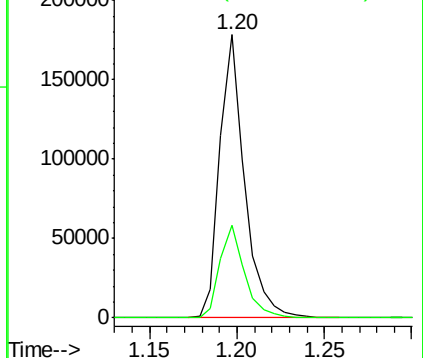
85 100

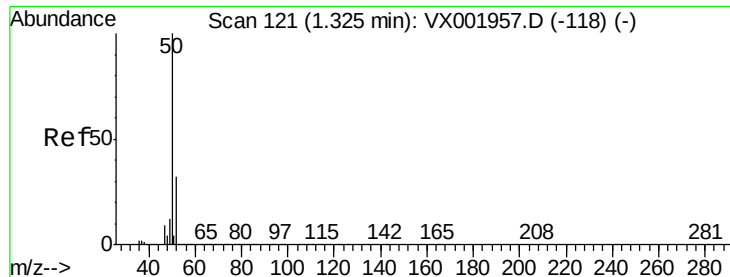
87 32.7 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 57.55 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

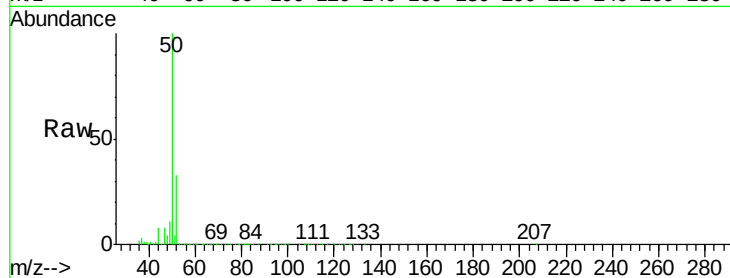
VSTDIC050

Tgt Ion: 50 Resp: 211732

Ion Ratio Lower Upper

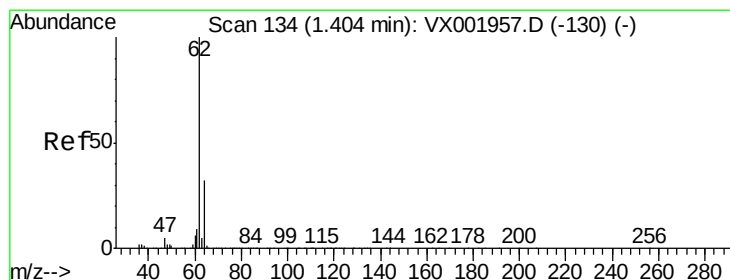
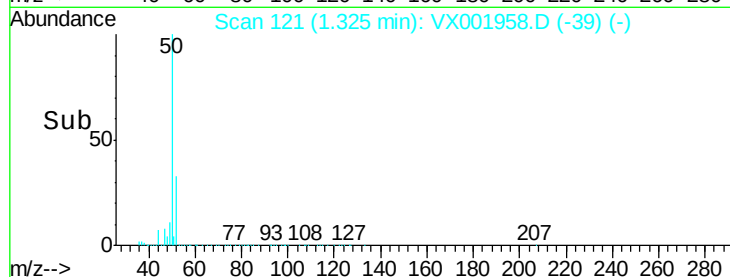
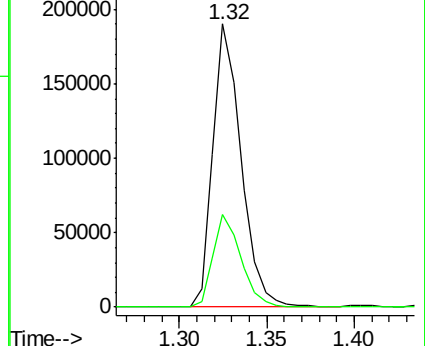
50 100

52 32.5 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 54.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001958.D

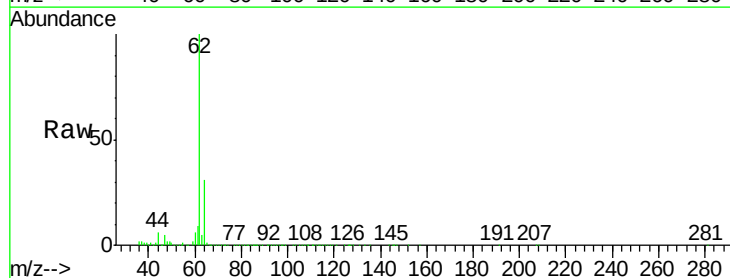
Acq: 24 May 2018 23:25

Tgt Ion: 62 Resp: 209140

Ion Ratio Lower Upper

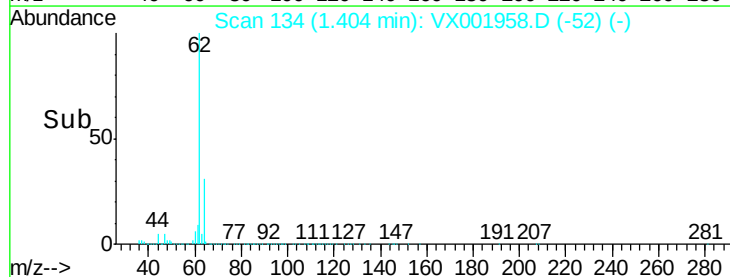
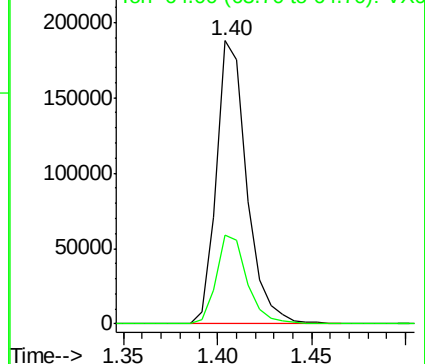
62 100

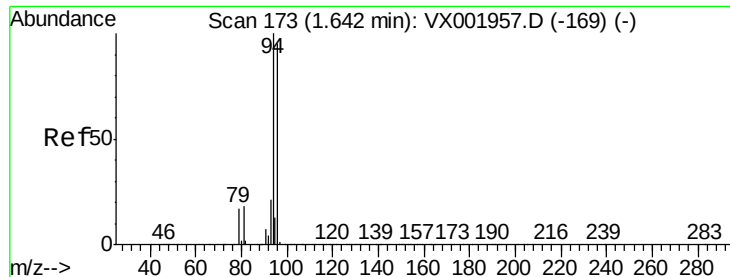
64 31.4 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 60.47 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

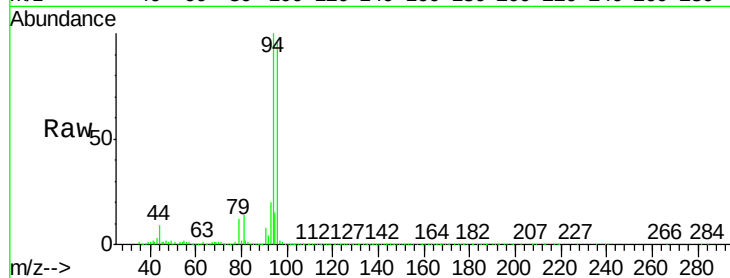
VSTDIC050

Tgt Ion: 94 Resp: 113173

Ion Ratio Lower Upper

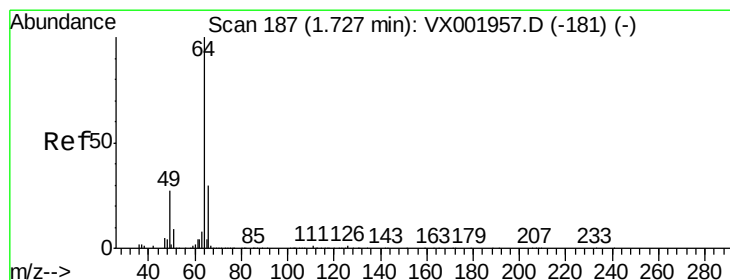
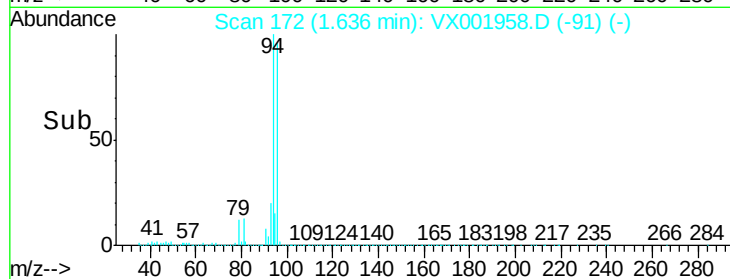
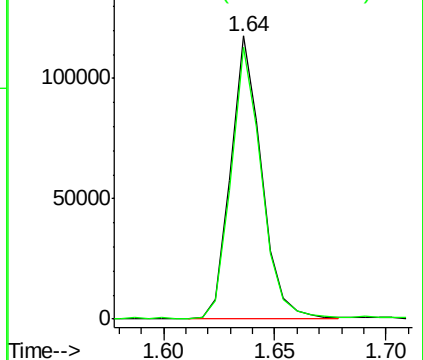
94 100

96 96.1 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: 50.50 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001958.D

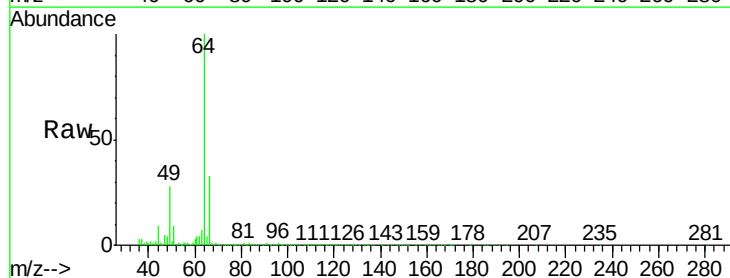
Acq: 24 May 2018 23:25

Tgt Ion: 64 Resp: 125231

Ion Ratio Lower Upper

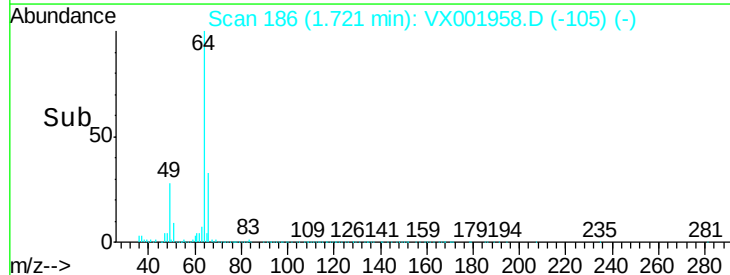
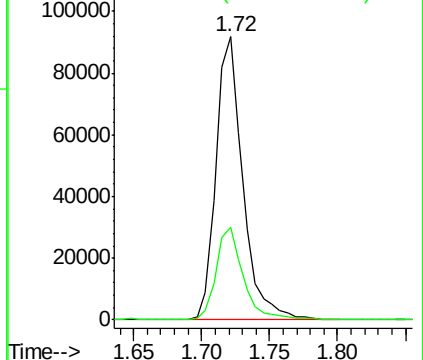
64 100

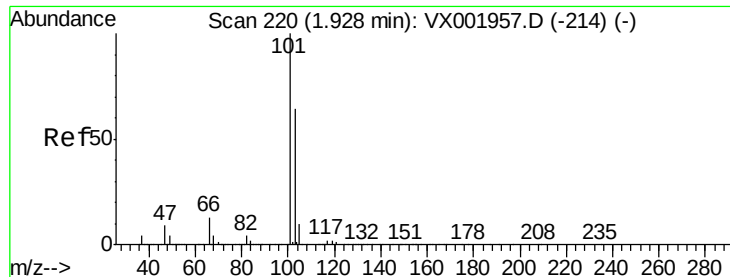
66 32.6 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 58.12 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

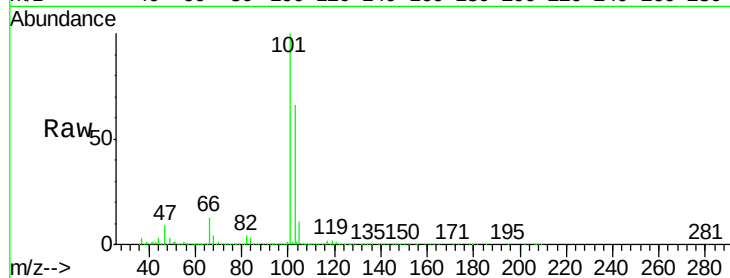
VSTDIC050

Tgt Ion:101 Resp: 323243

Ion Ratio Lower Upper

101 100

103 66.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.93

200000

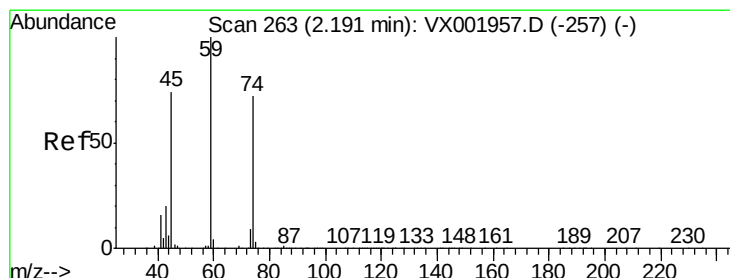
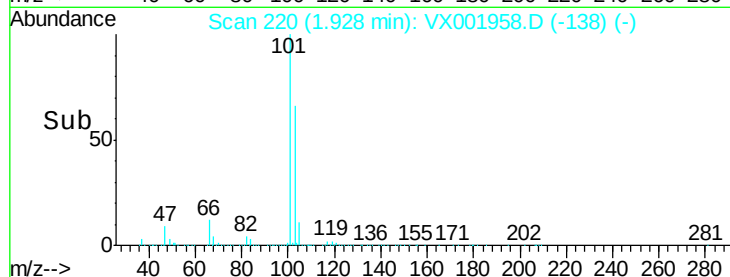
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 51.44 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001958.D

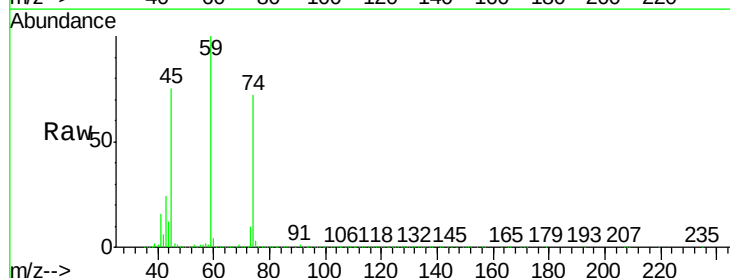
Acq: 24 May 2018 23:25

Tgt Ion: 74 Resp: 120686

Ion Ratio Lower Upper

74 100

45 103.6 20.5 184.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

100000

80000

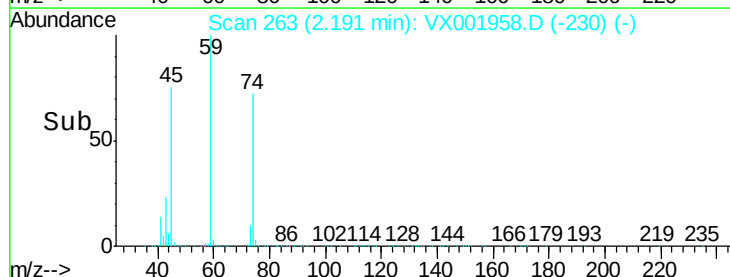
60000

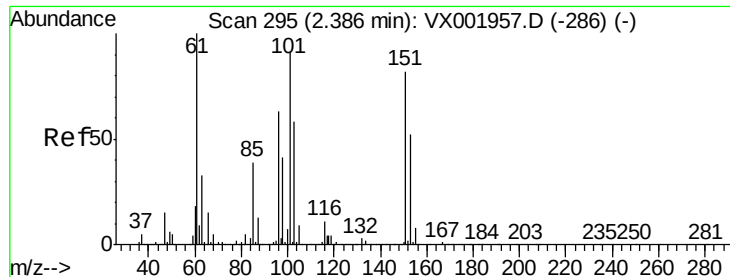
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.55 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

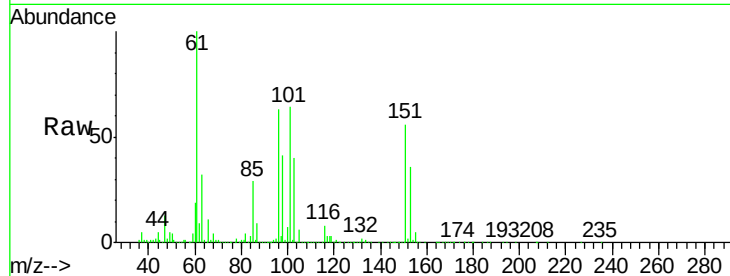
Tgt Ion: 101 Resp: 172672

Ion Ratio Lower Upper

101 100

85 44.5 0.0 87.0

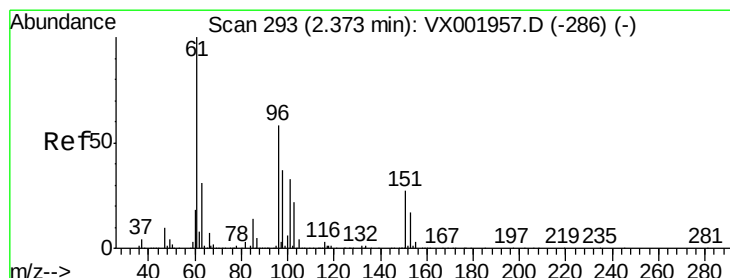
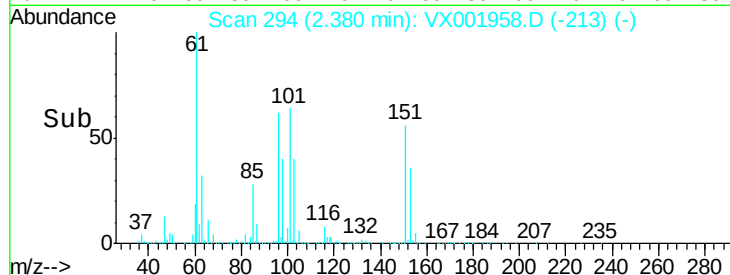
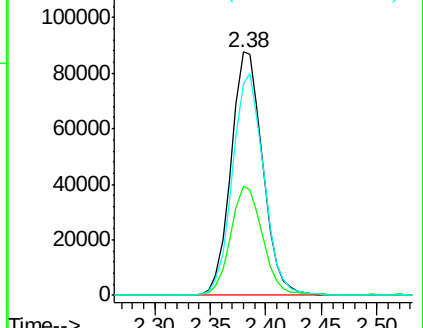
151 90.2 0.0 177.6



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: 53.38 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

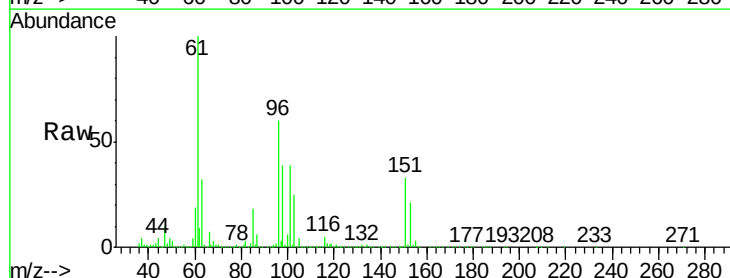
Tgt Ion: 96 Resp: 167003

Ion Ratio Lower Upper

96 100

61 166.9 137.5 206.3

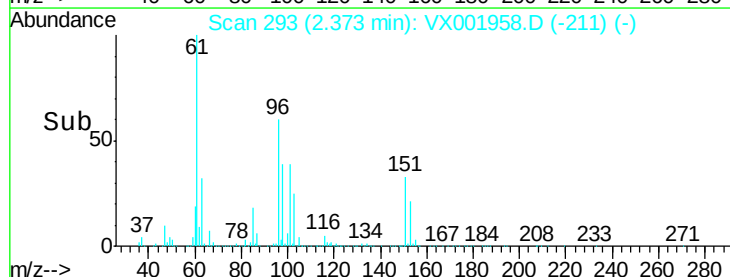
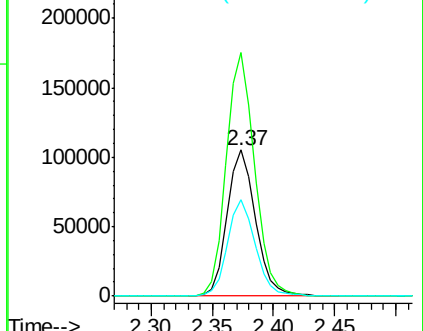
98 65.7 51.4 77.2

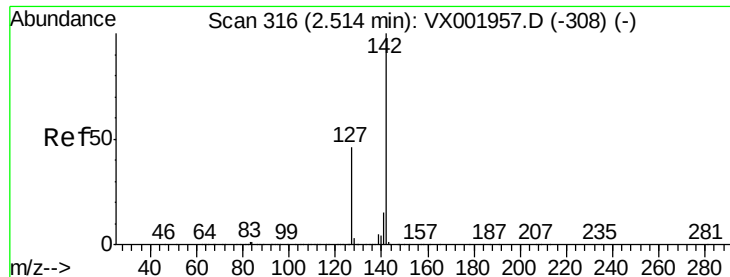


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

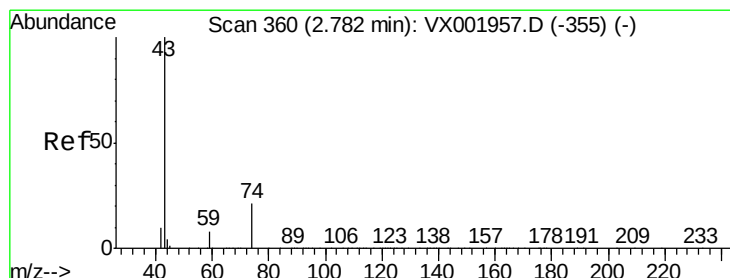
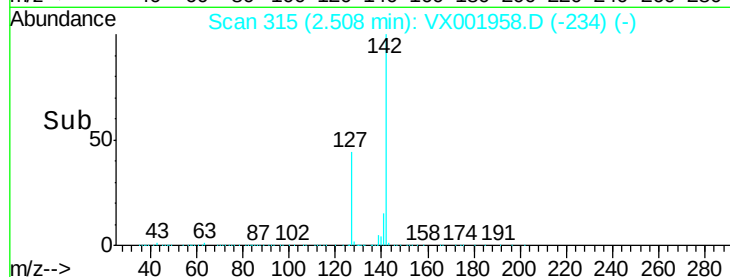
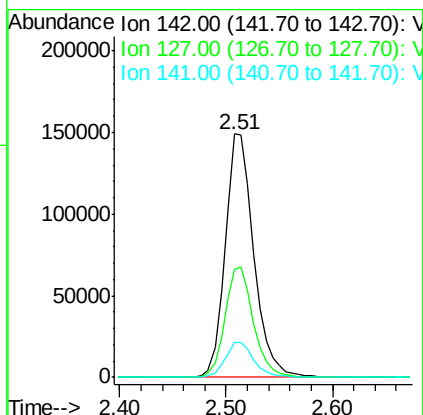
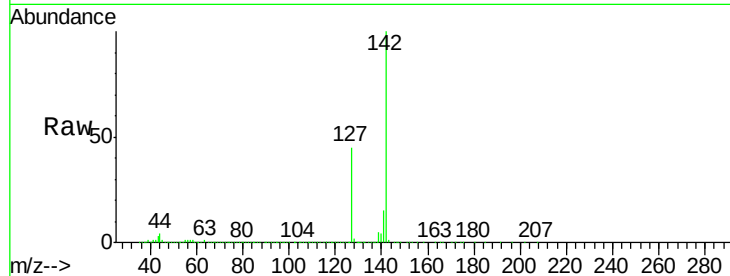




#11
Methyl Iodide
Concen: 60.44 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

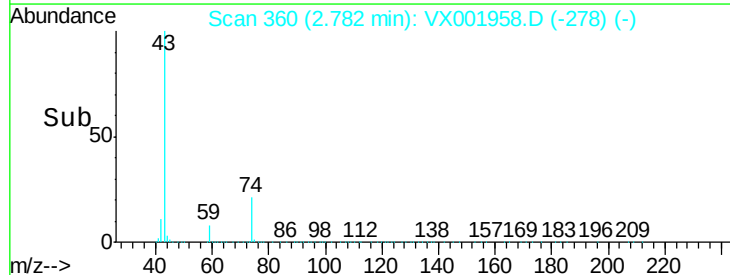
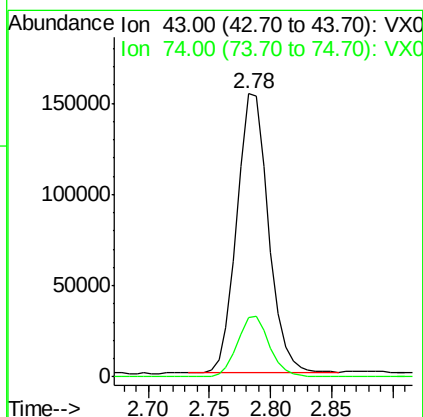
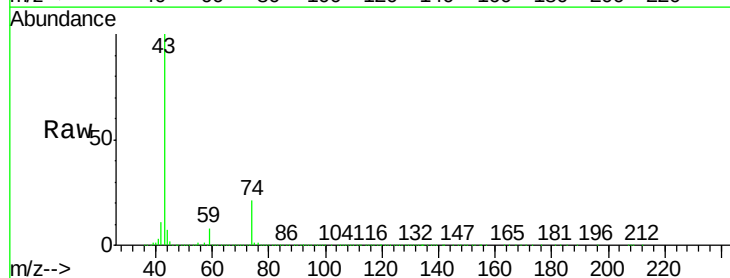
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

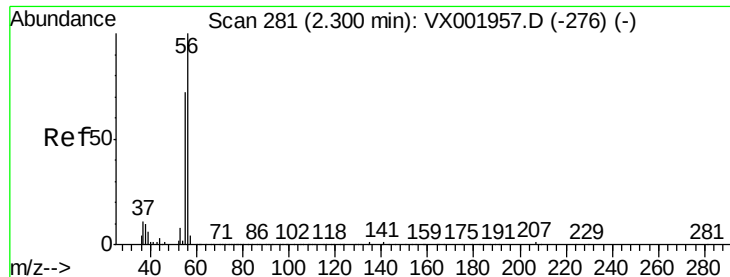
Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.5	23.2	69.6
141	14.5	7.4	22.2



#12
Methyl Acetate
Concen: 52.40 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.4	24.6





#13

Acrolein

Concen: 192.51 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

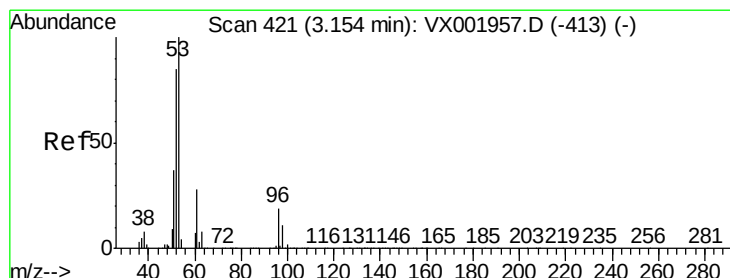
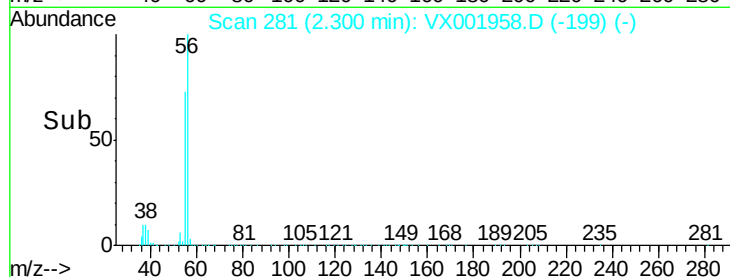
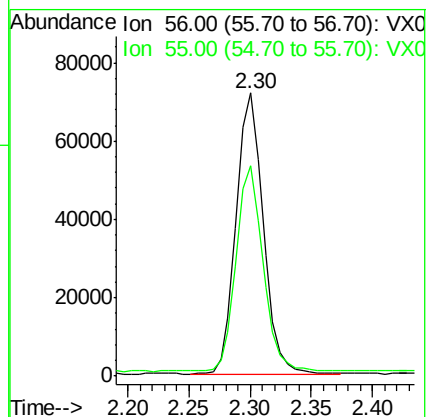
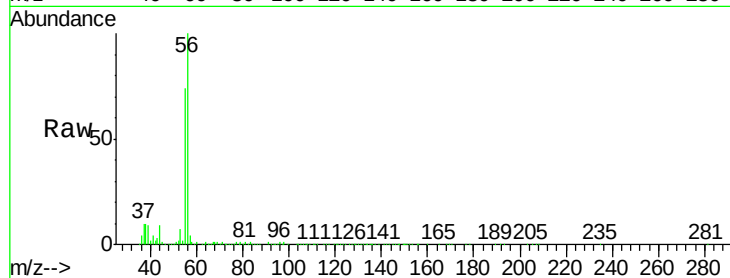
VSTDIC050

Tgt Ion: 56 Resp: 110412

Ion Ratio Lower Upper

56 100

55 72.7 57.3 85.9



#14

Acrylonitrile

Concen: 265.53 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

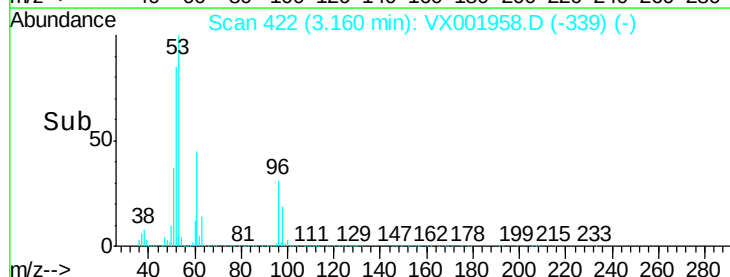
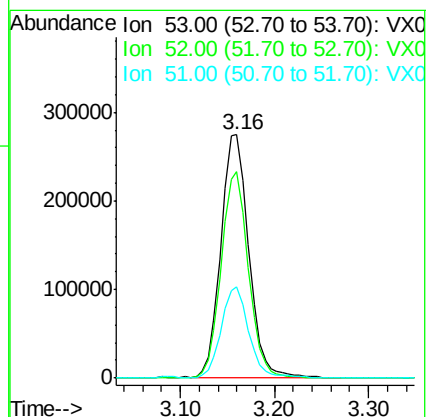
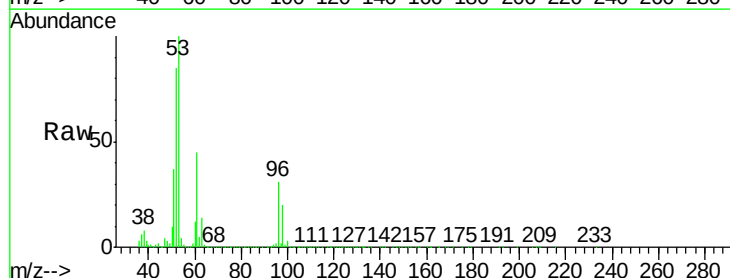
Tgt Ion: 53 Resp: 562463

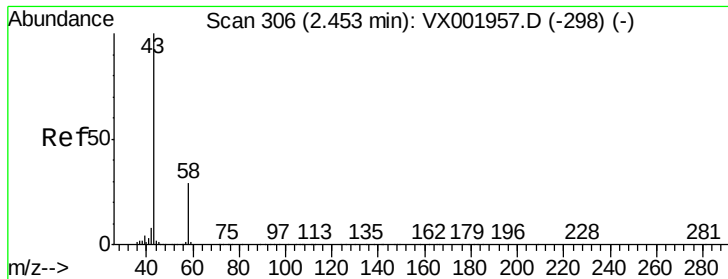
Ion Ratio Lower Upper

53 100

52 83.3 41.5 124.6

51 37.2 17.9 53.8





#15

Acetone

Concen: 262.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

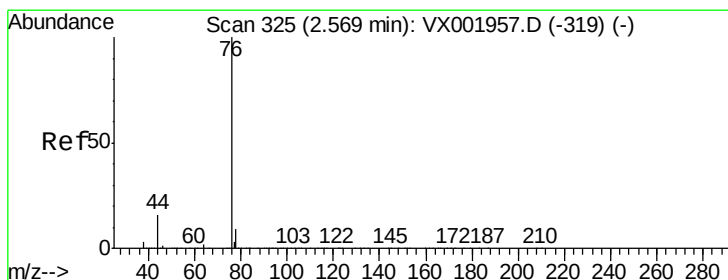
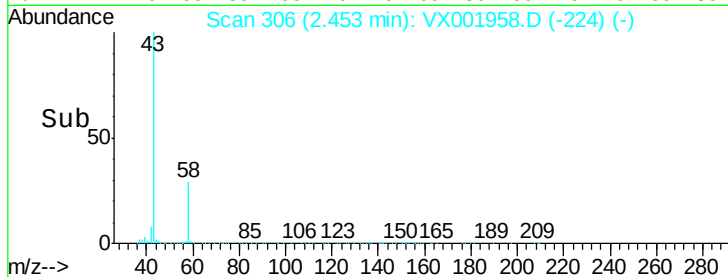
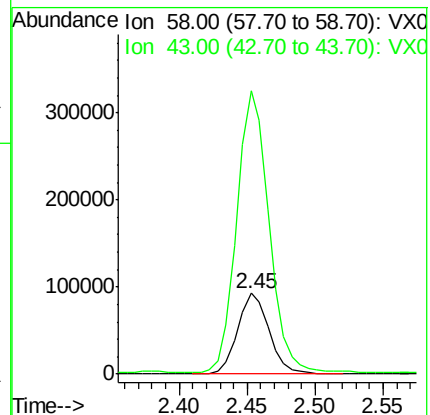
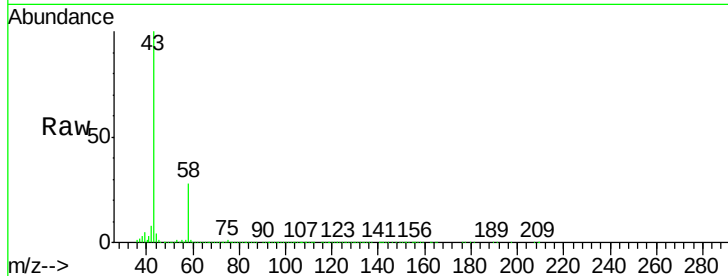
VSTDIC050

Tgt Ion: 58 Resp: 149381

Ion Ratio Lower Upper

58 100

43 350.3 278.8 418.2



#16

Carbon Disulfide

Concen: 59.15 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001958.D

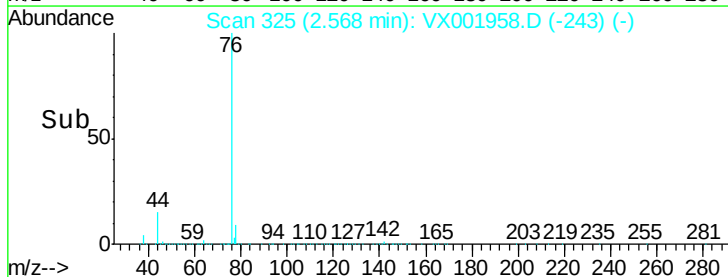
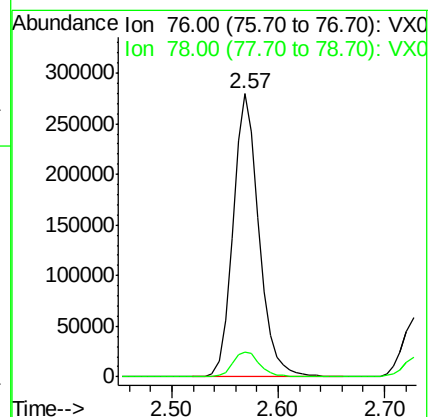
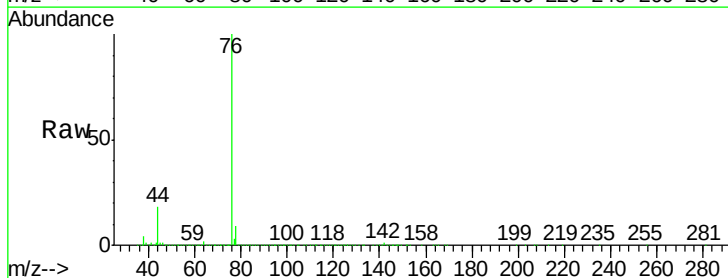
Acq: 24 May 2018 23:25

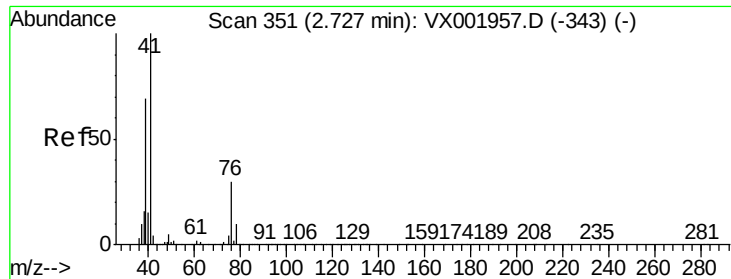
Tgt Ion: 76 Resp: 474826

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#17

Allyl chloride

Concen: 57.73 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

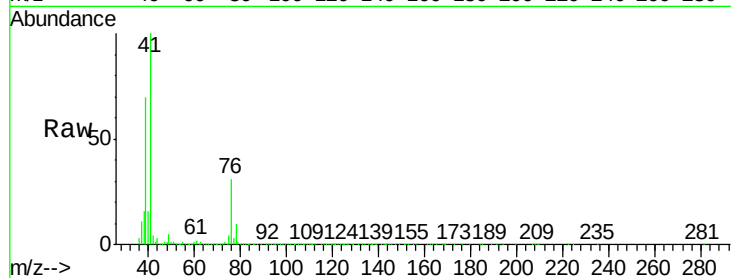
Tgt Ion: 41 Resp: 351909

Ion Ratio Lower Upper

41 100

39 70.3 34.6 103.8

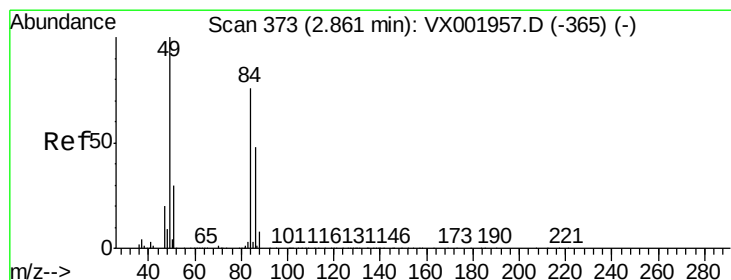
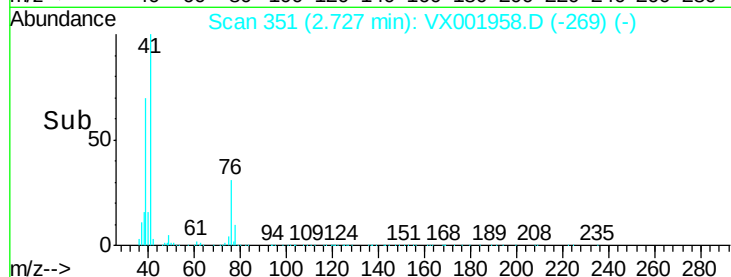
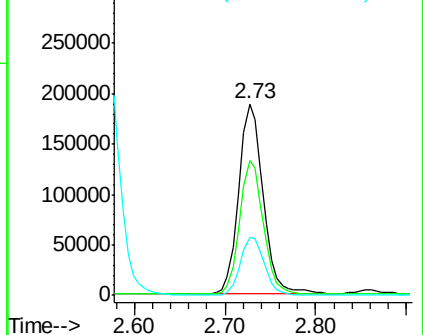
76 30.7 15.0 45.1



Abundance Ion 41.00 (40.70 to 41.70): VX001957.D (-343) (-)

Ion 39.00 (38.70 to 39.70): VX001957.D (-343) (-)

Ion 76.00 (75.70 to 76.70): VX001957.D (-343) (-)



#18

Methylene Chloride

Concen: 51.75 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Tgt Ion: 84 Resp: 189316

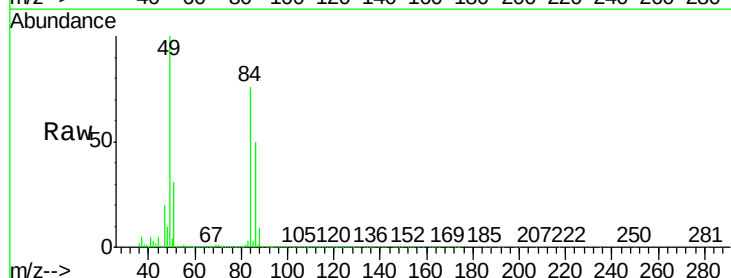
Ion Ratio Lower Upper

84 100

49 132.8 104.7 157.1

51 40.6 31.0 46.4

86 66.2 50.8 76.2

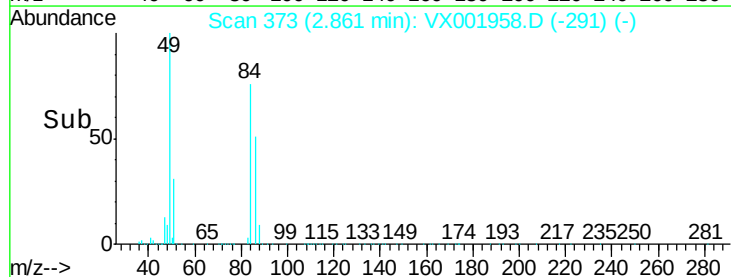
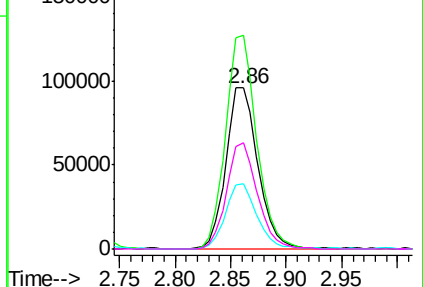


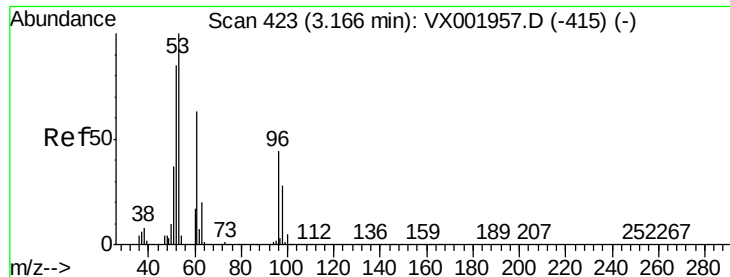
Abundance Ion 84.00 (83.70 to 84.70): VX001957.D (-365) (-)

Ion 49.00 (48.70 to 49.70): VX001957.D (-365) (-)

Ion 51.00 (50.70 to 51.70): VX001957.D (-365) (-)

Ion 86.00 (85.70 to 86.70): VX001957.D (-365) (-)





#19

trans-1,2-Dichloroethene

Concen: 52.74 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

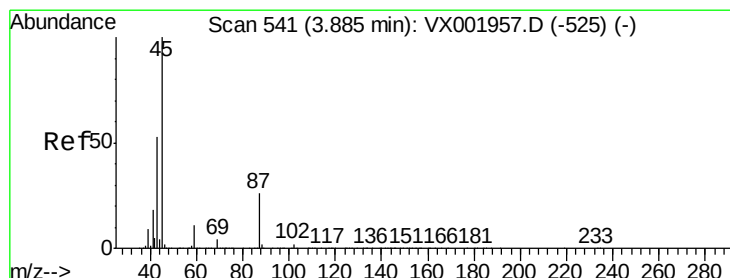
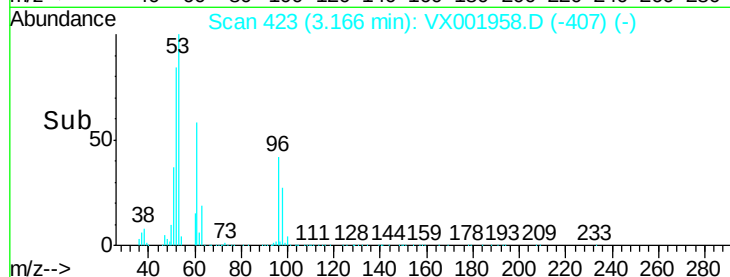
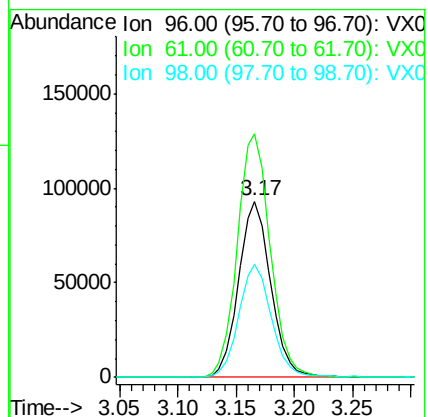
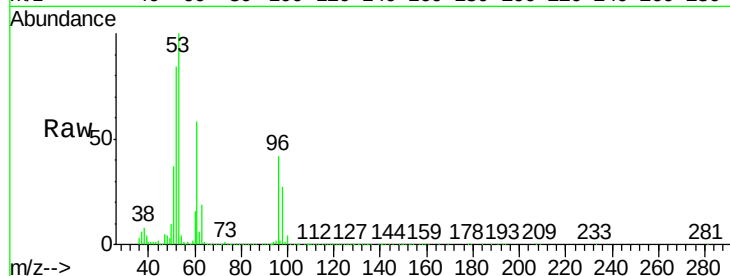
Tgt Ion: 96 Resp: 178110

Ion Ratio Lower Upper

96 100

61 138.4 114.6 172.0

98 63.9 51.3 76.9



#20

Diisopropyl ether

Concen: 57.77 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Tgt Ion: 45 Resp: 661571

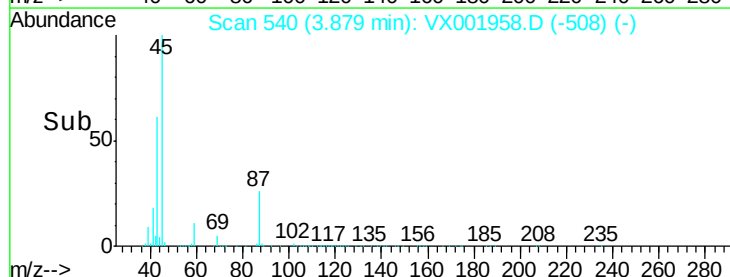
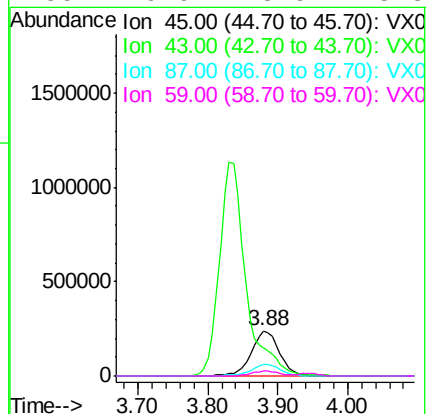
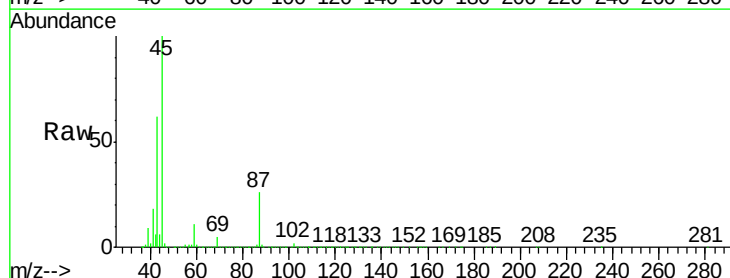
Ion Ratio Lower Upper

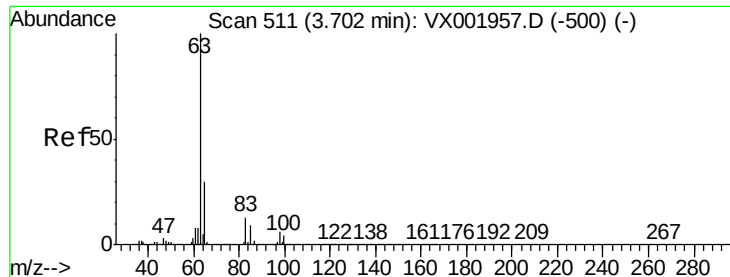
45 100

43 61.1 45.6 68.4

87 26.1 20.7 31.1

59 10.9 8.9 13.3





#21

1,1-Dichloroethane

Concen: 54.60 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

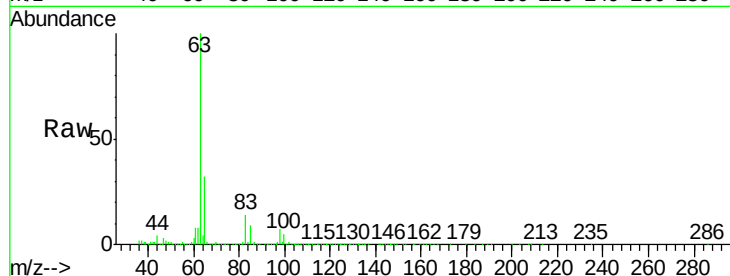
Tgt Ion: 63 Resp: 352164

Ion Ratio Lower Upper

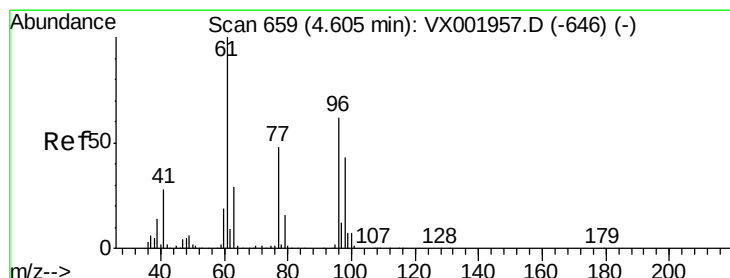
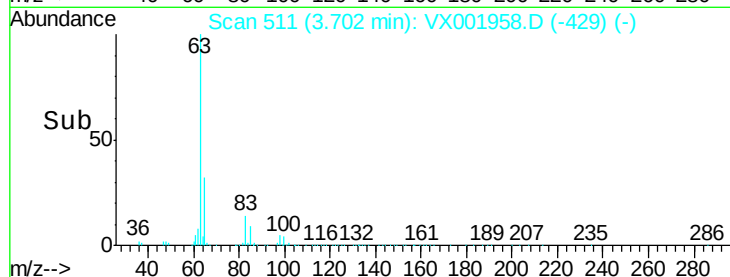
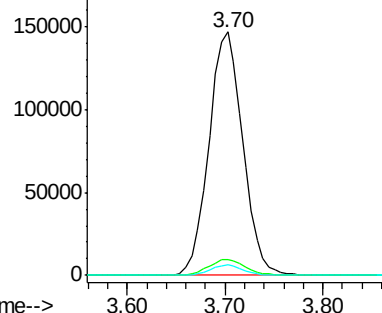
63 100

98 6.3 3.1 9.3

100 4.5 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: 55.10 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

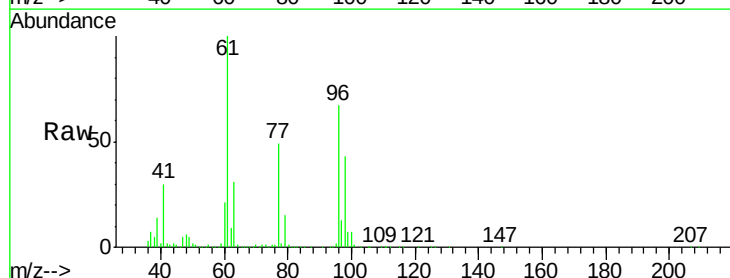
Tgt Ion: 96 Resp: 212213

Ion Ratio Lower Upper

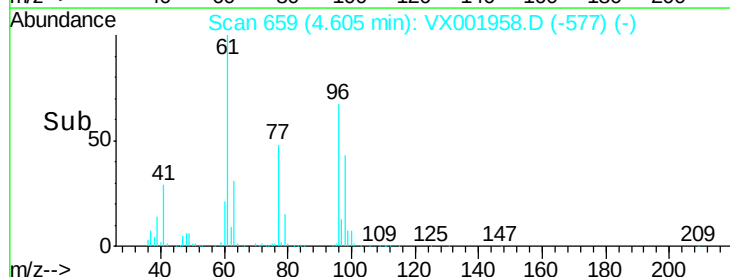
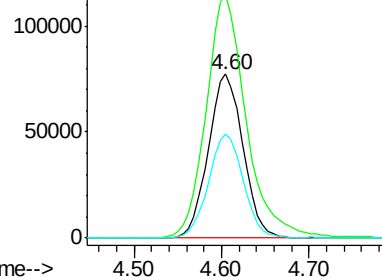
96 100

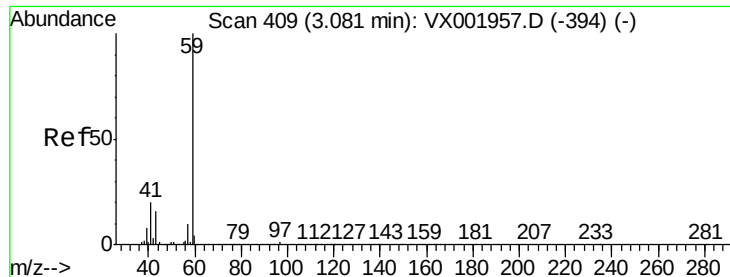
61 171.8 160.2 240.2

98 63.5 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: 23.27 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.29 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

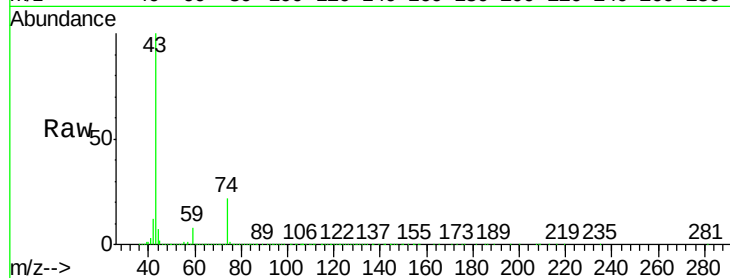
VSTDIC050

Tgt Ion: 59 Resp: 22812

Ion Ratio Lower Upper

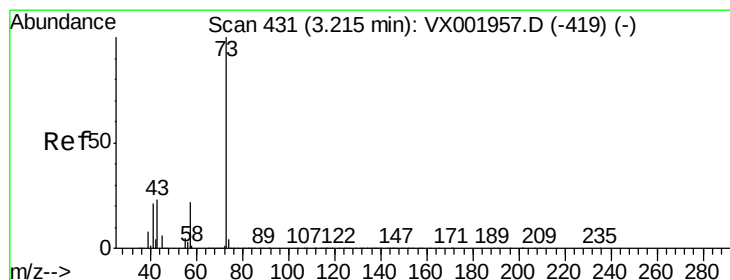
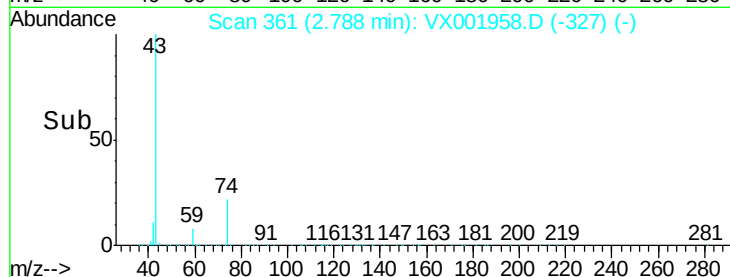
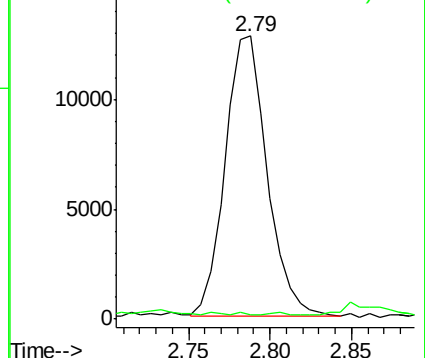
59 100

52 0.2 0.2 0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 57.10 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX001958.D

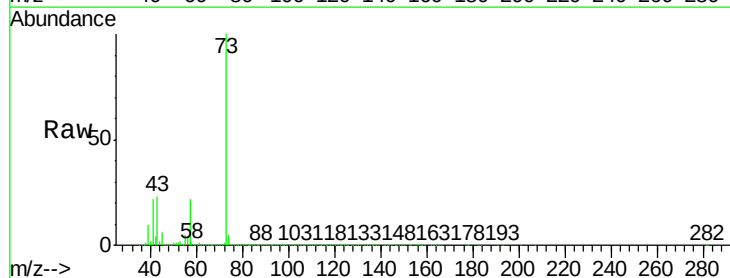
Acq: 24 May 2018 23:25

Tgt Ion: 73 Resp: 659935

Ion Ratio Lower Upper

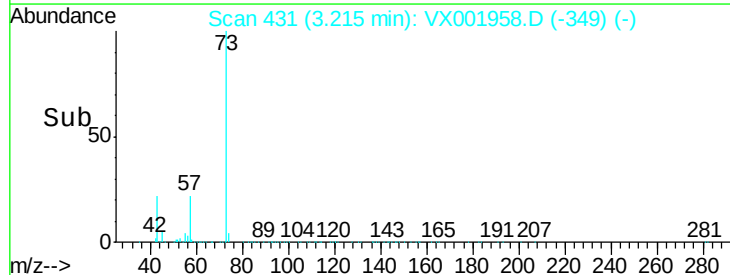
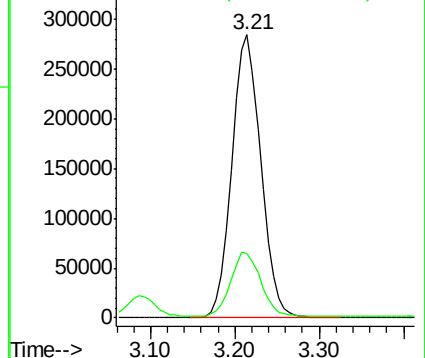
73 100

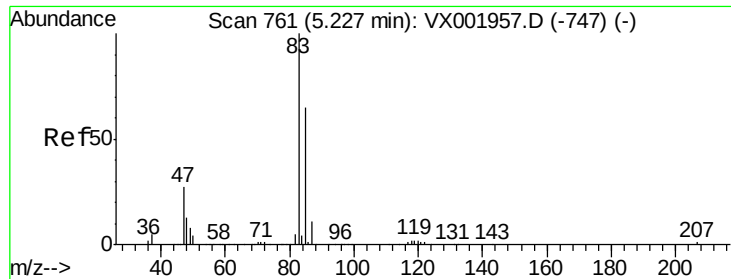
43 23.2 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

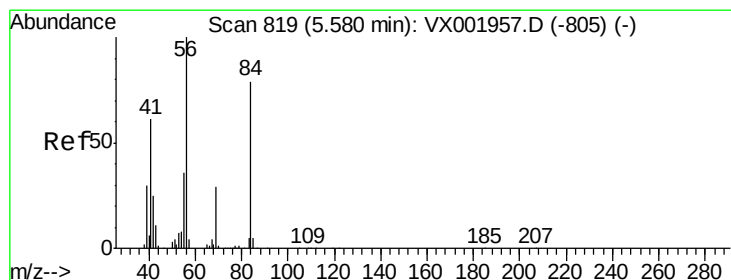
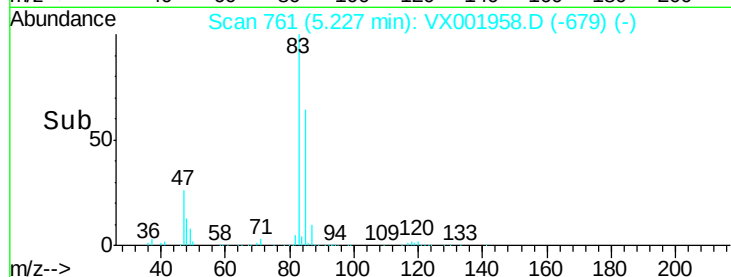
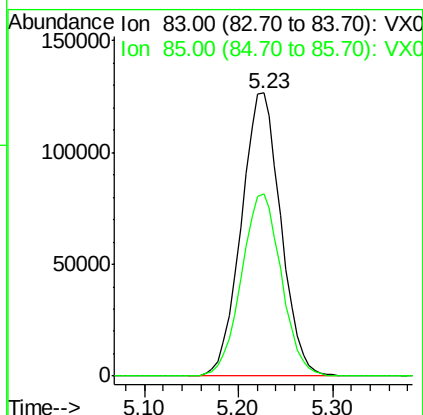
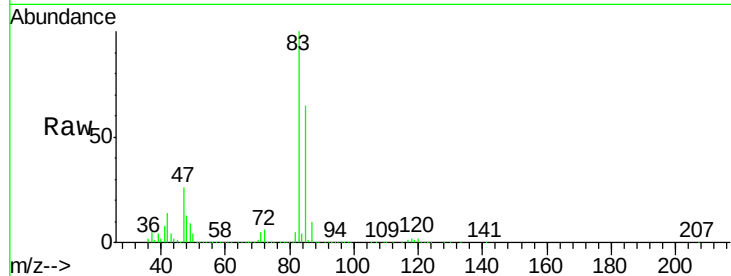




#25
Chloroform
Concen: 55.71 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

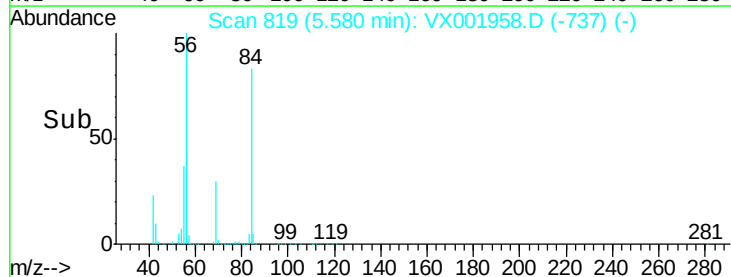
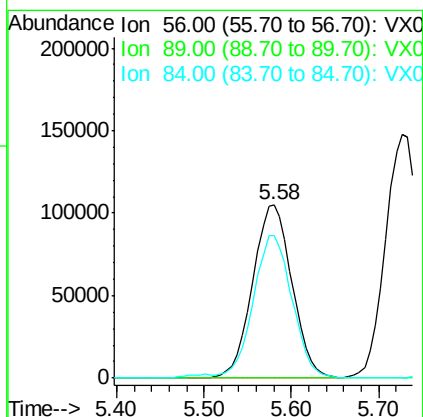
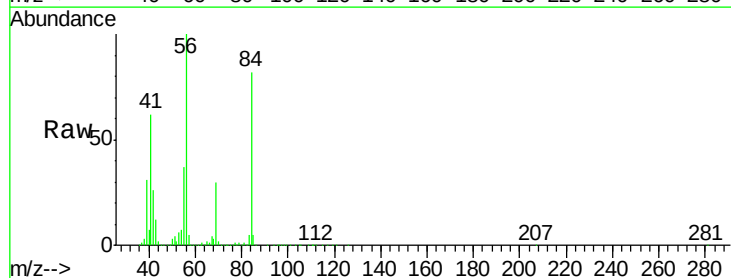
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

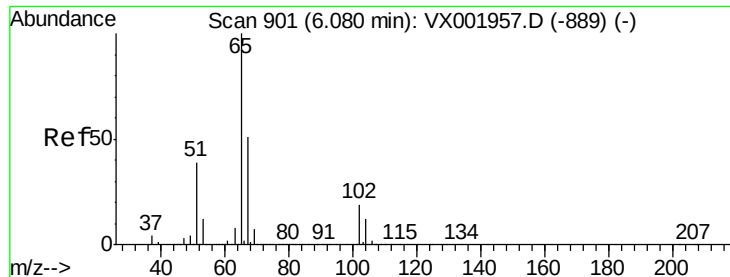
Tgt Ion: 83 Resp: 371669
Ion Ratio Lower Upper
83 100
85 64.5 51.9 77.9



#26
Cyclohexane
Concen: 65.73 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion: 56 Resp: 325922
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 81.4 64.9 97.3

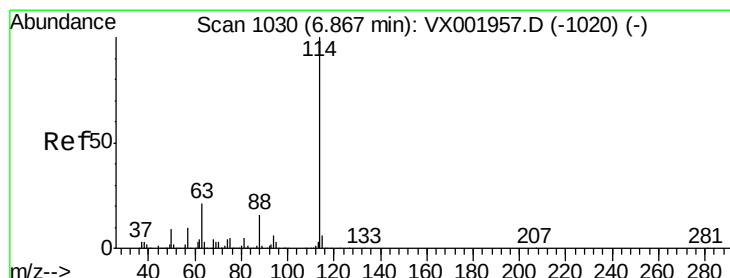
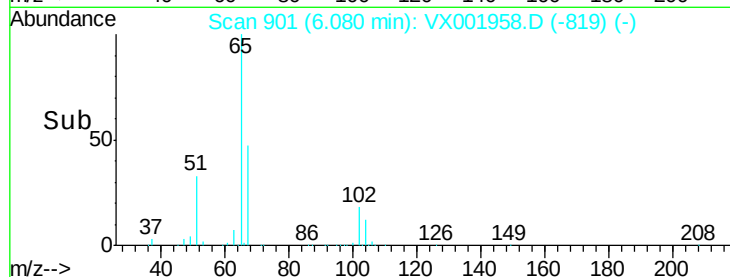
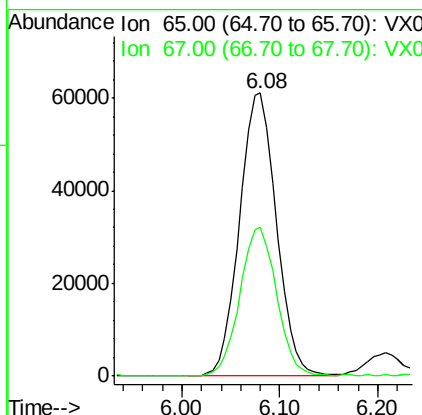
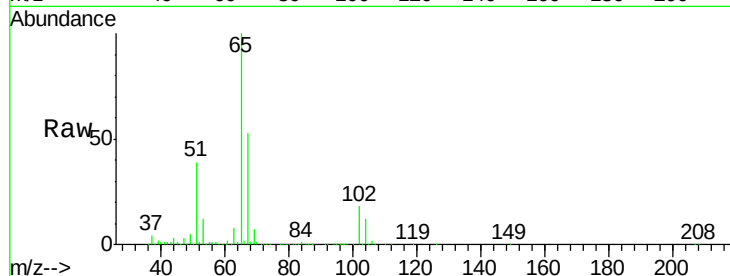




#27
 1,2-Dichloroethane-d4
 Concen: 31.79 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

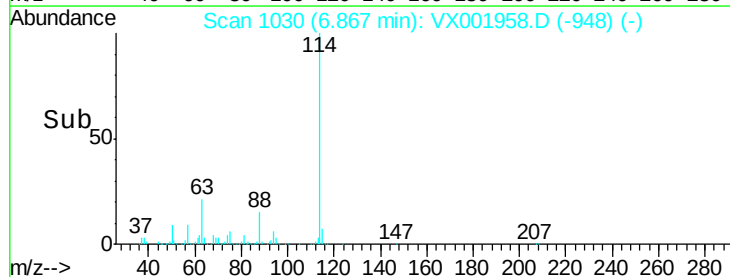
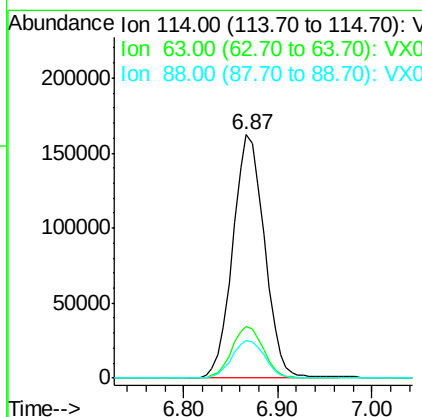
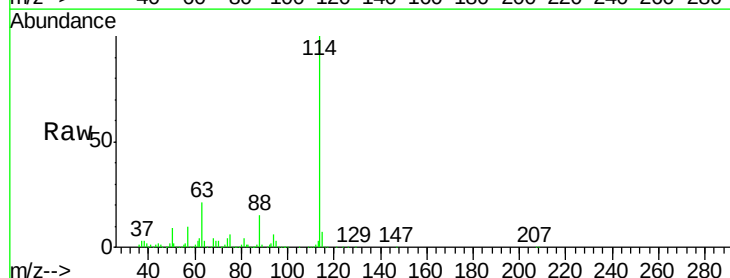
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

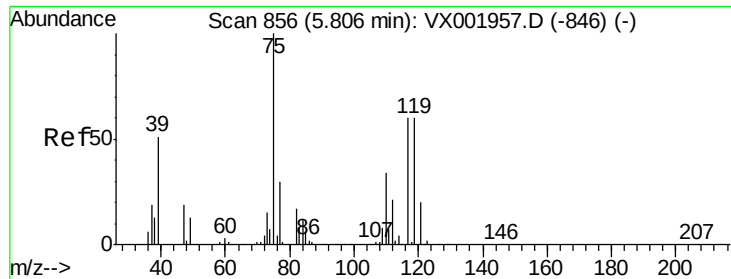
Tgt Ion: 65 Resp: 159497
 Ion Ratio Lower Upper
 65 100
 67 51.9 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

Tgt Ion: 114 Resp: 380625
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.1 25.7
 88 15.9 12.6 19.0

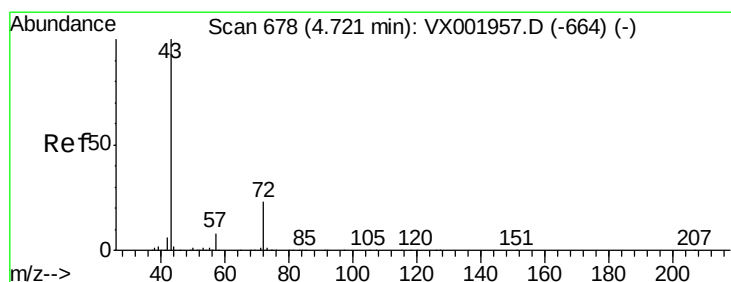
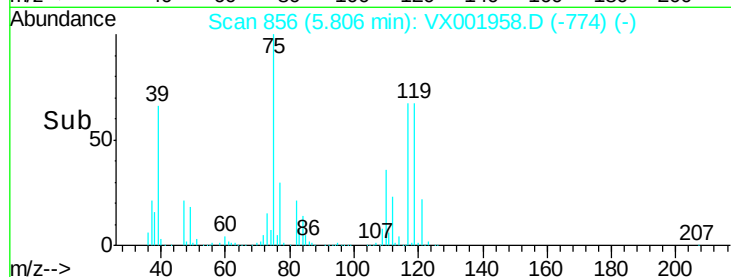
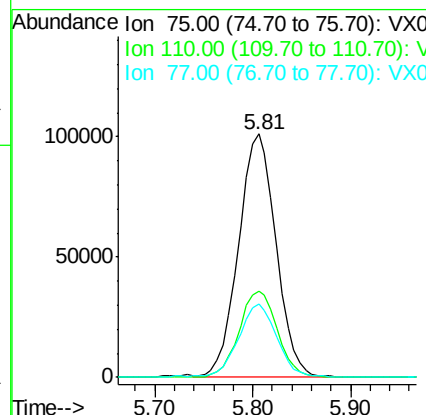
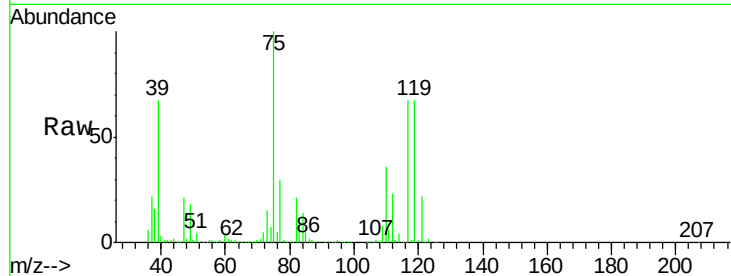




#29
 1,1-Dichloropropene
 Concen: 56.45 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

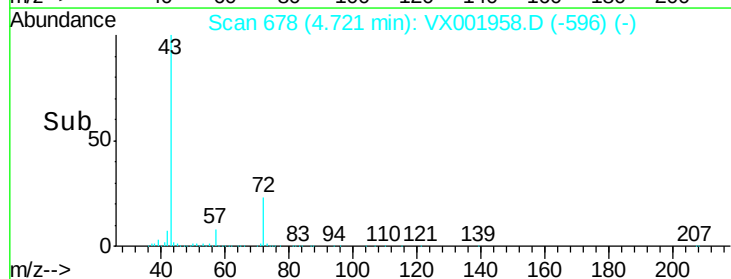
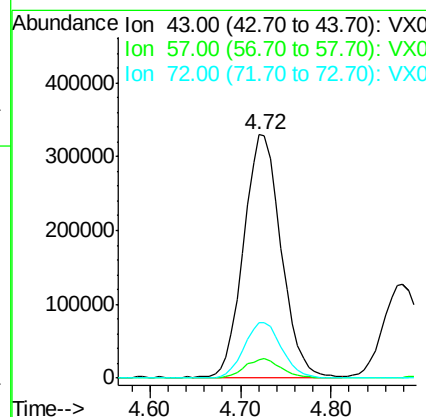
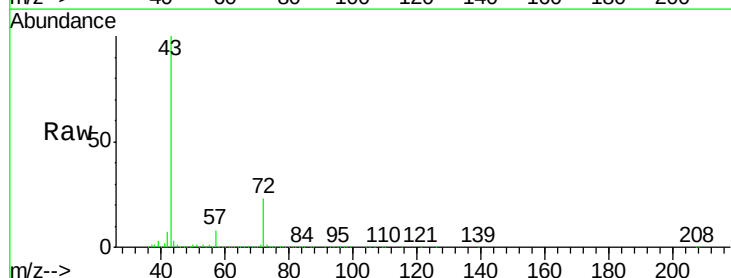
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

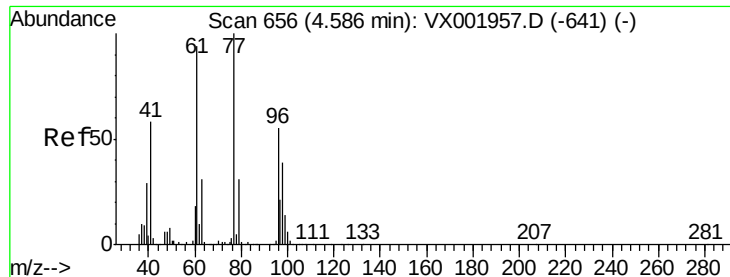
Tgt Ion: 75 Resp: 269555
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 71.4
 77 30.2 0.0 60.6



#30
 2-Butanone
 Concen: 291.84 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

Tgt Ion: 43 Resp: 935227
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.1 9.1
 72 23.0 18.1 27.1





#31

2,2-Dichloropropane

Concen: 55.60 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

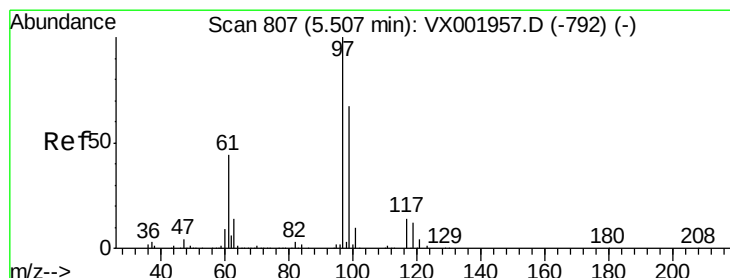
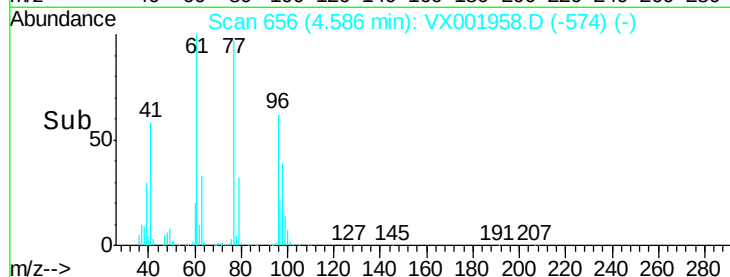
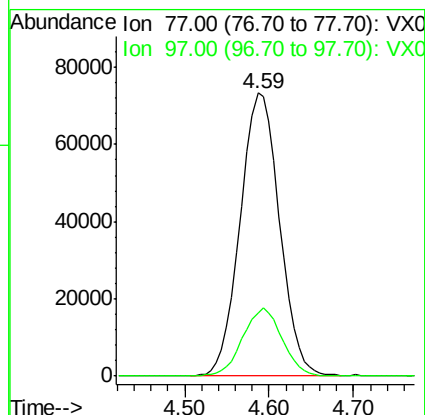
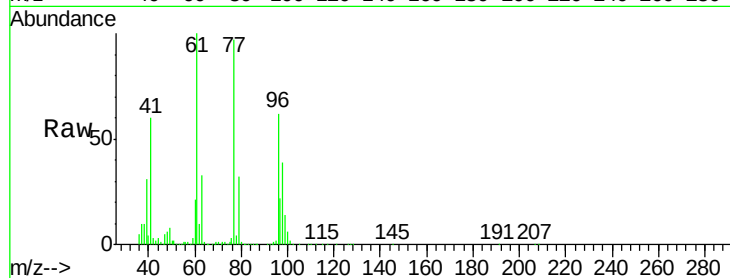
VSTDIC050

Tgt Ion: 77 Resp: 231638

Ion Ratio Lower Upper

77 100

97 23.5 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 57.04 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

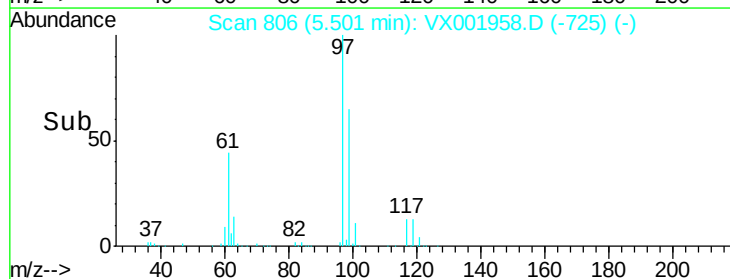
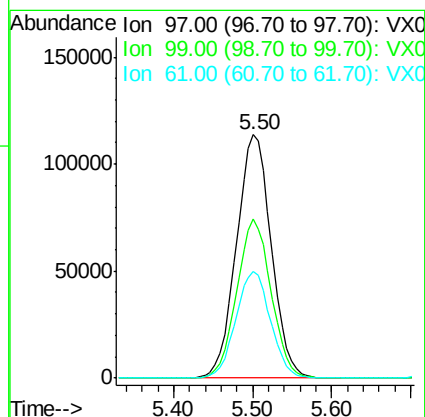
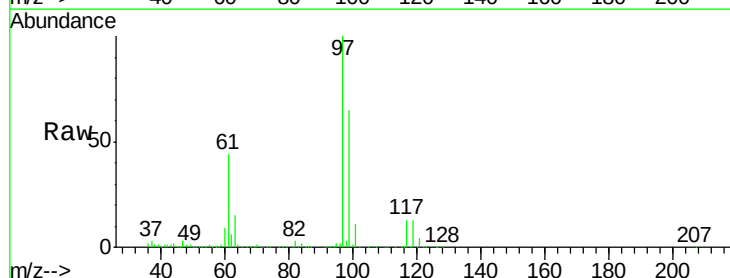
Tgt Ion: 97 Resp: 348126

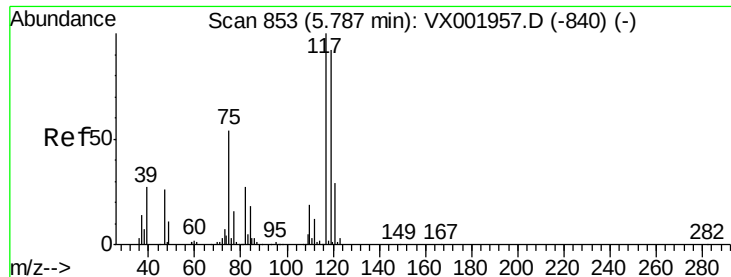
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 43.7 36.4 54.6





#33

Carbon Tetrachloride

Concen: 58.06 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

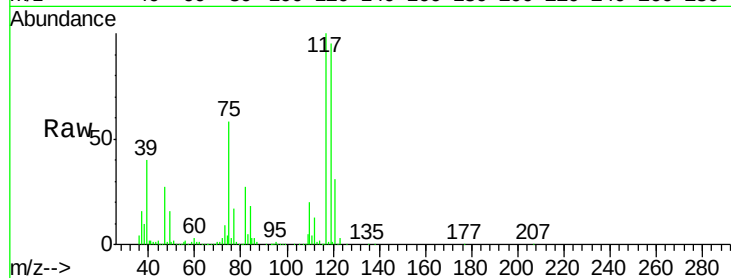
Tgt Ion:117 Resp: 315858

Ion Ratio Lower Upper

117 100

119 94.6 73.3 109.9

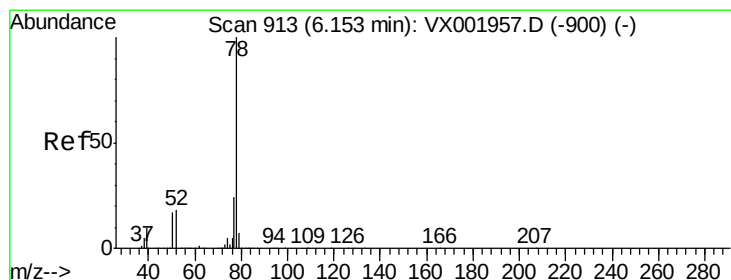
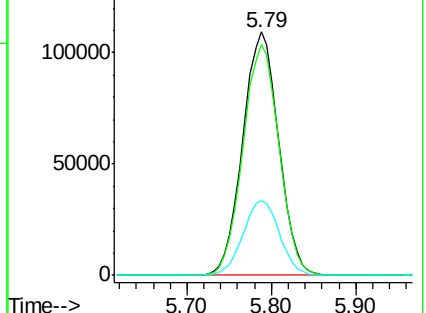
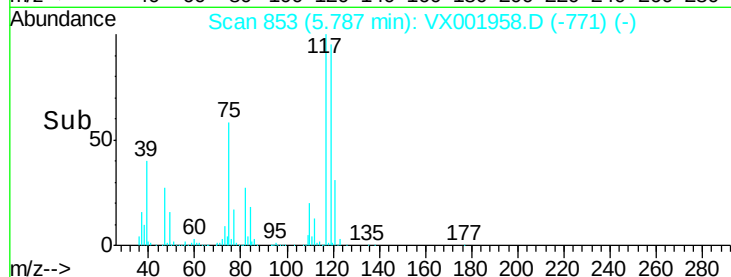
121 30.9 23.6 35.4



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: 53.55 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

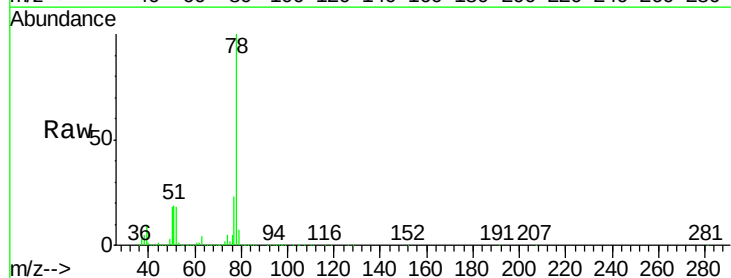
Tgt Ion: 78 Resp: 810229

Ion Ratio Lower Upper

78 100

77 23.3 19.4 29.0

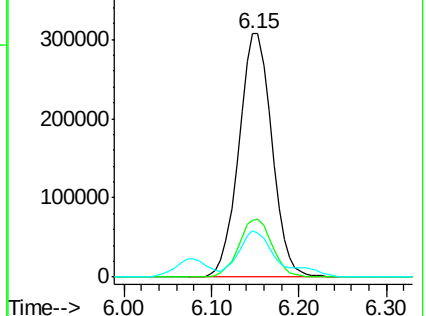
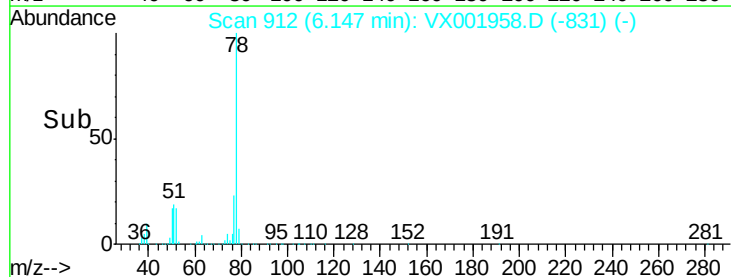
51 18.6 13.8 20.6

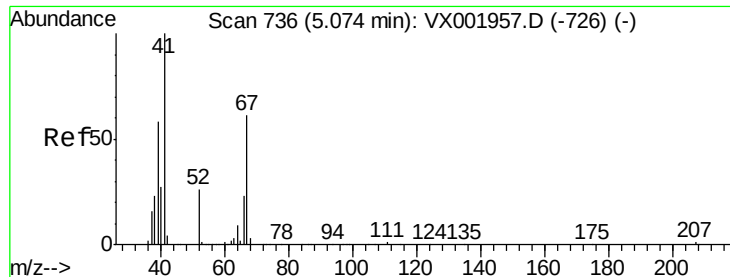


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

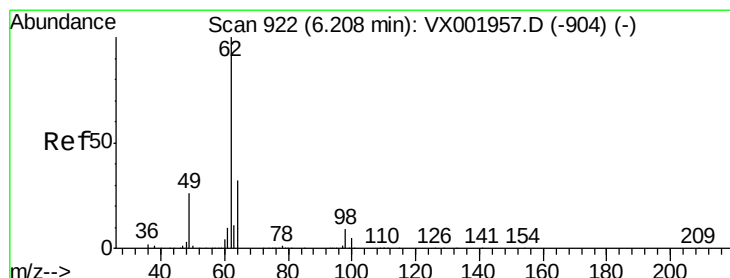
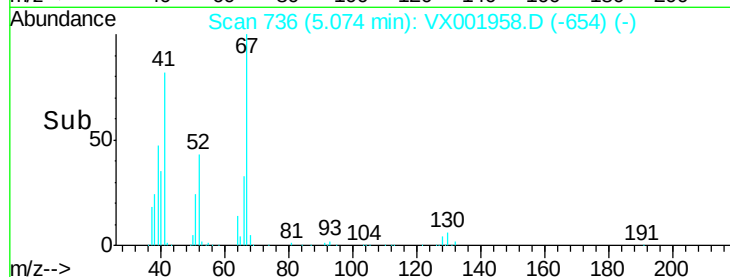
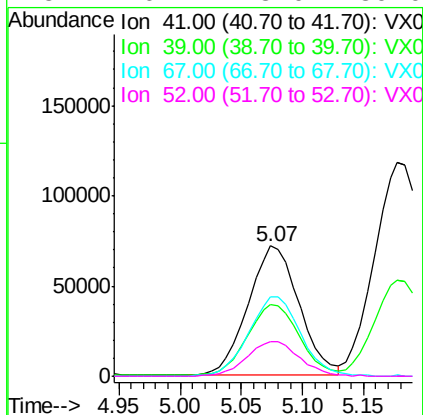
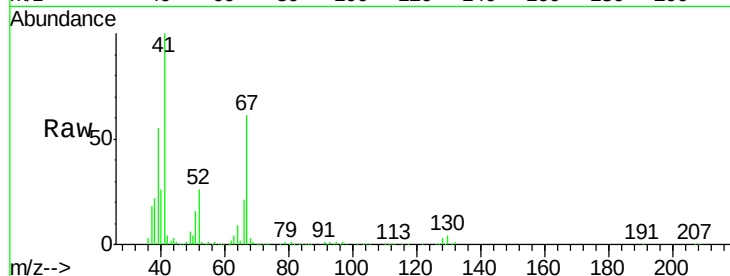




#35
Methacrylonitrile
Concen: 59.84 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

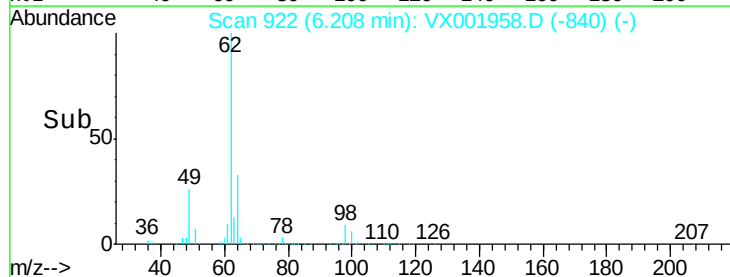
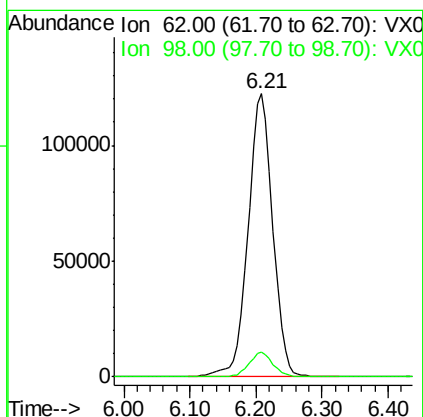
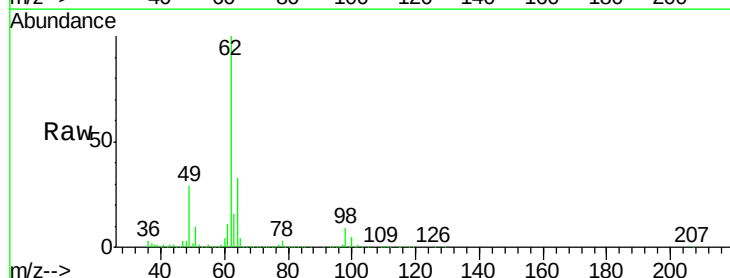
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

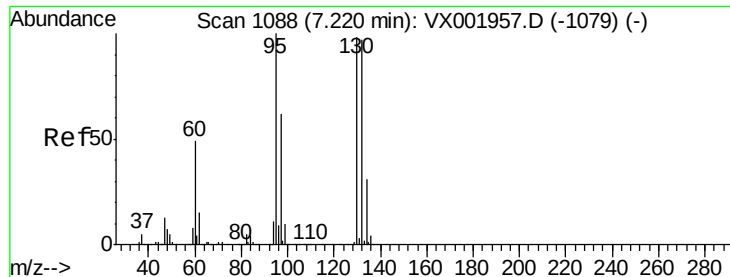
Tgt Ion:	41	Resp:	208363
Ion	Ratio	Lower	Upper
41	100		
39	55.0	28.8	86.5
67	61.7	30.4	91.2
52	26.1	13.0	39.0



#36
1,2-Dichloroethane
Concen: 53.35 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion:	62	Resp:	317939
Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.5	9.7





#37

Trichloroethene

Concen: 52.10 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

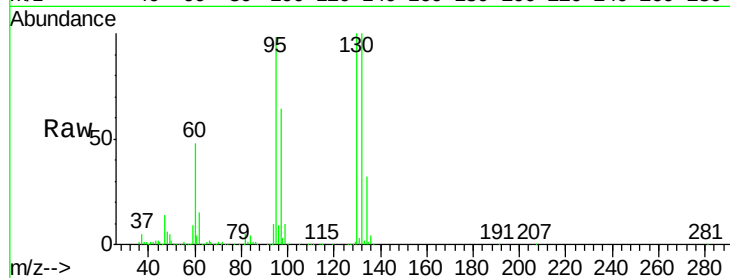
VSTDIC050

Tgt Ion:130 Resp: 230436

Ion Ratio Lower Upper

130 100

95 97.6 81.5 122.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

120000

100000

80000

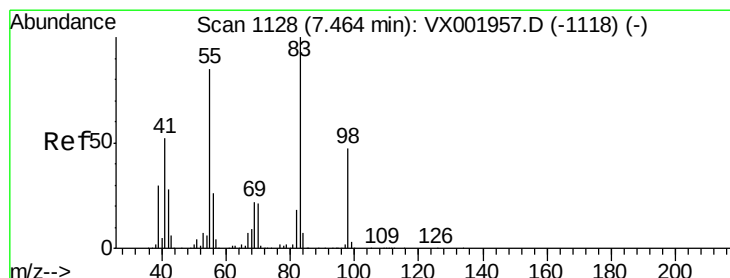
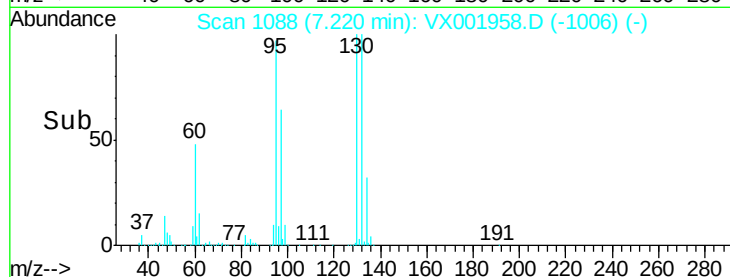
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 60.56 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

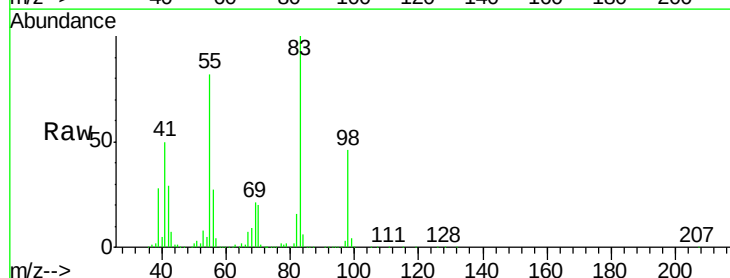
Tgt Ion: 83 Resp: 315169

Ion Ratio Lower Upper

83 100

55 80.5 40.6 121.8

98 46.1 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

200000

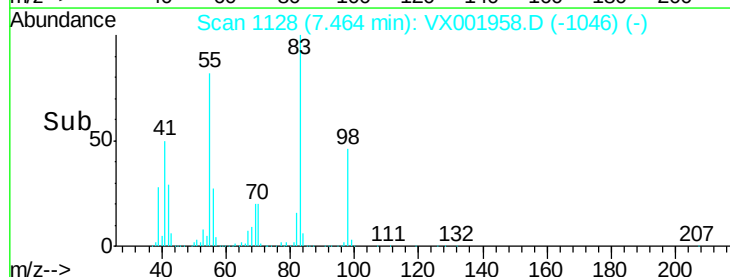
150000

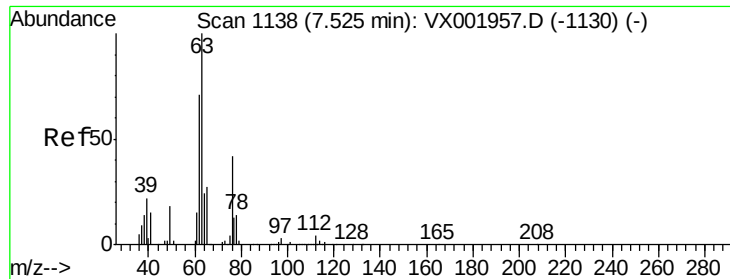
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 56.03 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

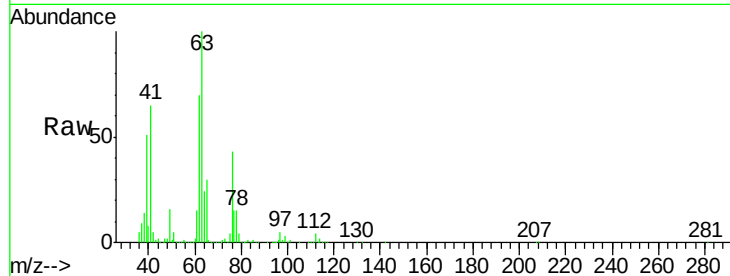
VSTDIC050

Tgt Ion: 63 Resp: 216417

Ion Ratio Lower Upper

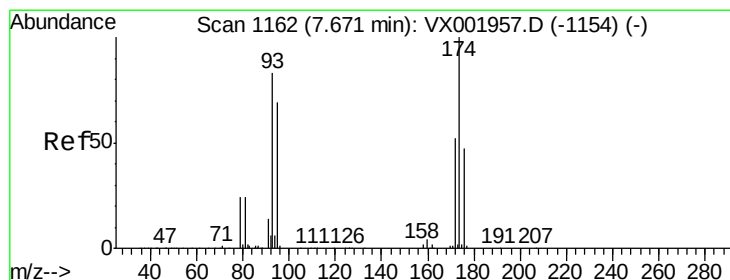
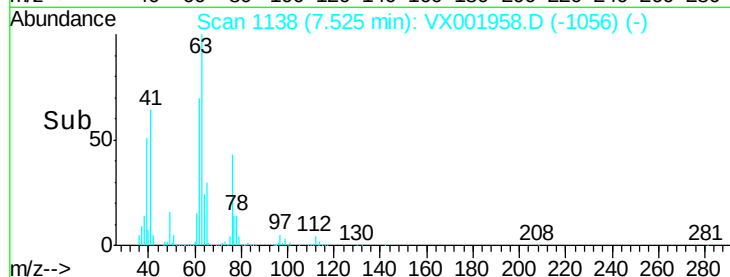
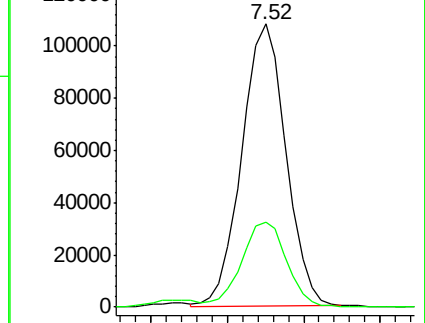
63 100

65 29.7 23.3 34.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 53.51 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

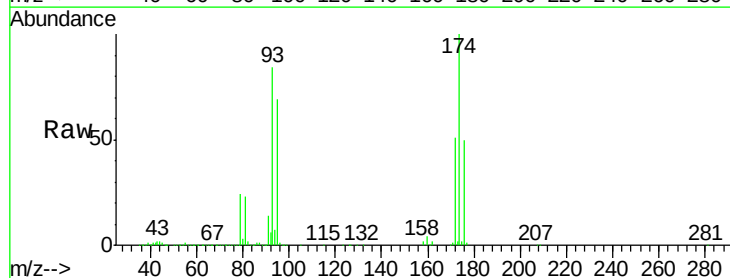
Tgt Ion: 93 Resp: 145774

Ion Ratio Lower Upper

93 100

95 83.1 0.0 162.6

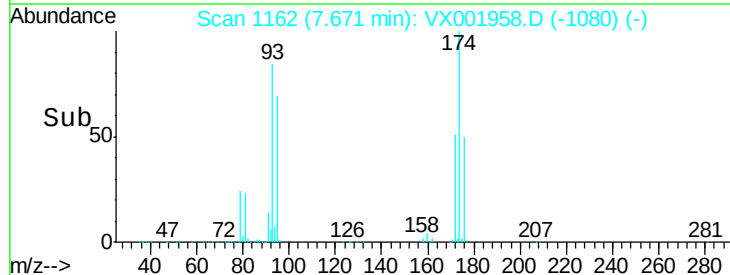
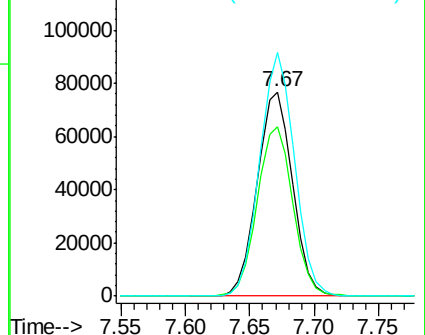
174 117.4 0.0 229.4

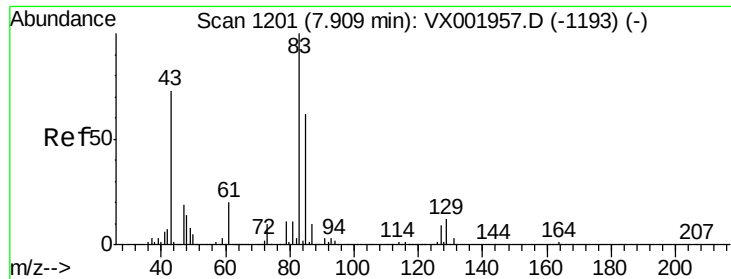


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 58.02 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

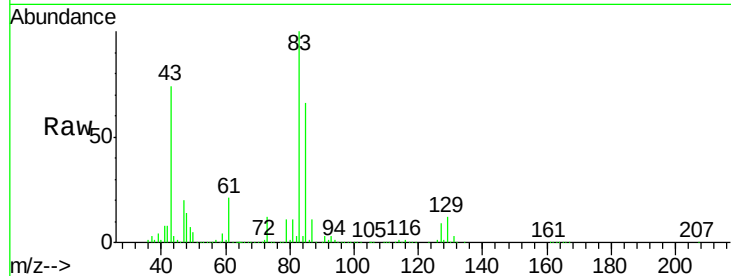
Tgt Ion: 83 Resp: 304779

Ion Ratio Lower Upper

83 100

85 65.4 49.8 74.8

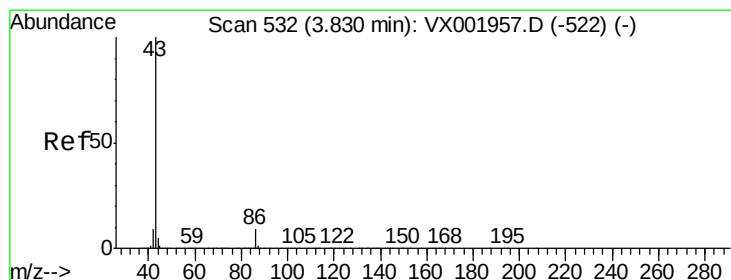
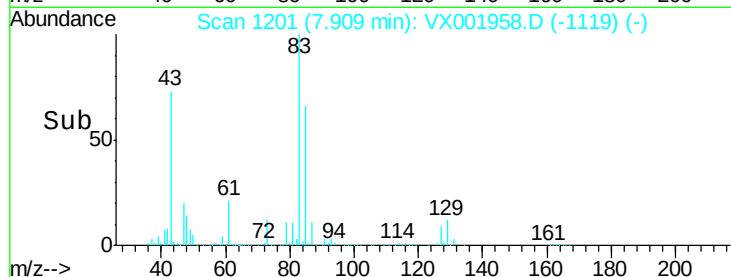
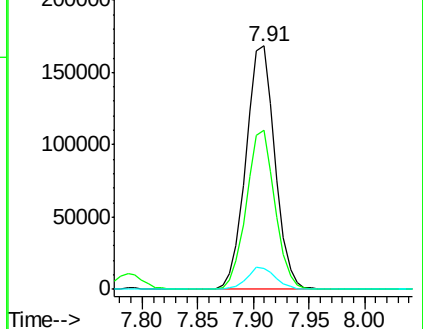
127 8.8 7.3 10.9



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: 282.06 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001958.D

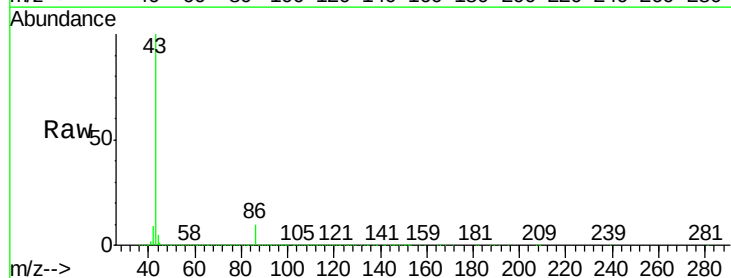
Acq: 24 May 2018 23:25

Tgt Ion: 43 Resp: 2973796

Ion Ratio Lower Upper

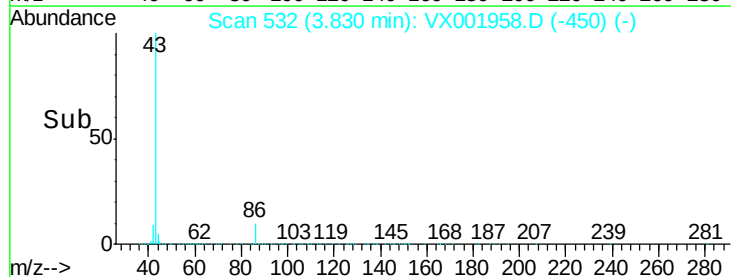
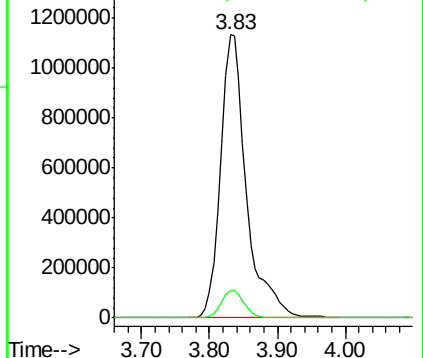
43 100

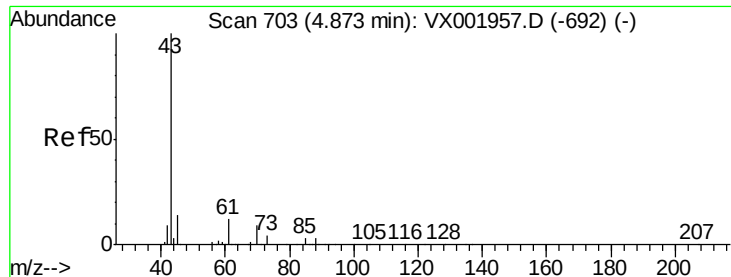
86 8.6 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

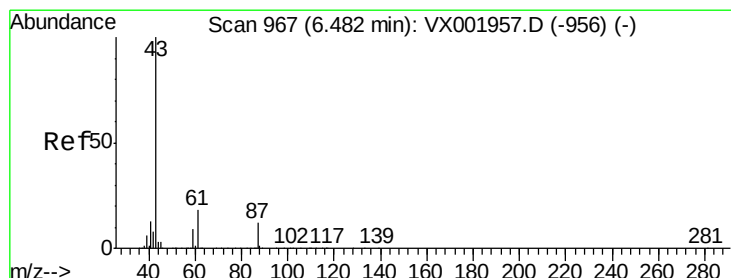
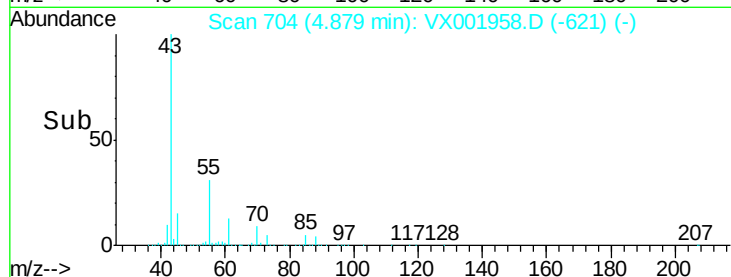
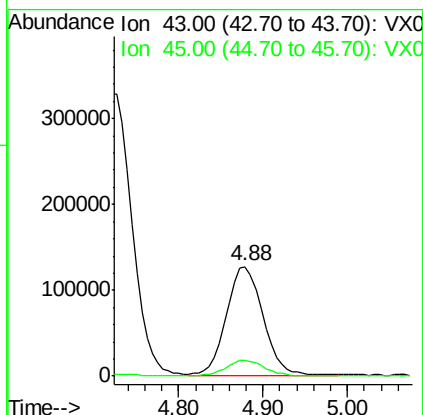
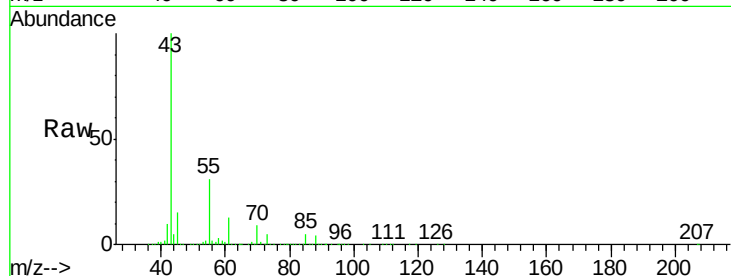




#43
Ethyl Acetate
Concen: 60.39 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

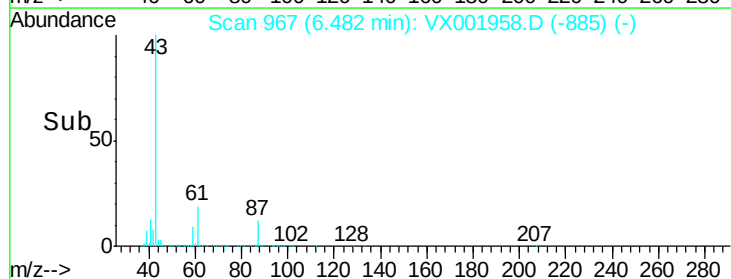
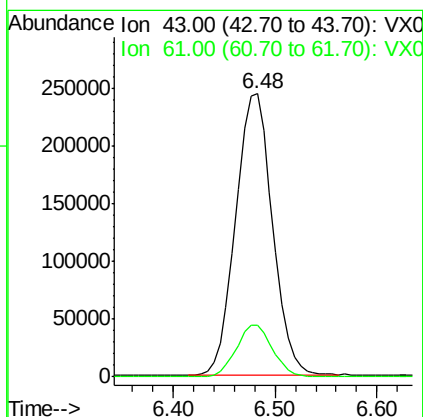
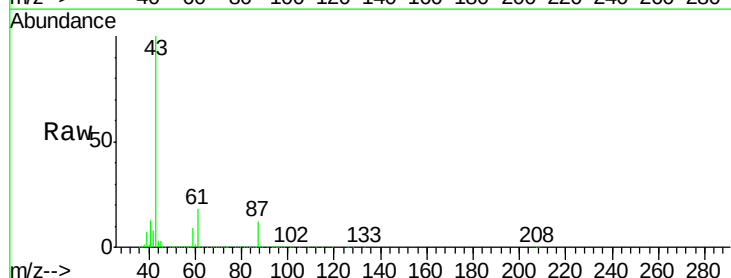
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

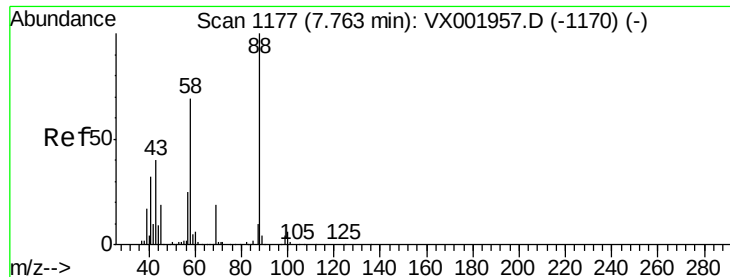
Tgt Ion: 43 Resp: 372101
Ion Ratio Lower Upper
43 100
45 14.8 11.0 16.4



#44
Isopropyl Acetate
Concen: 63.74 ug/l
RT: 6.48 min Scan# 967
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion: 43 Resp: 616000
Ion Ratio Lower Upper
43 100
61 18.2 14.5 21.7

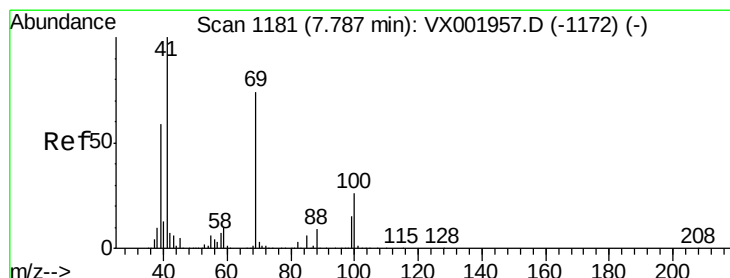
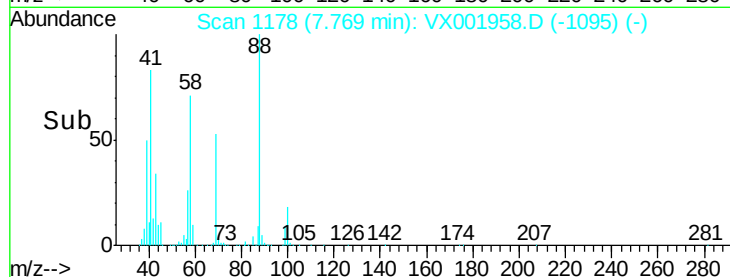
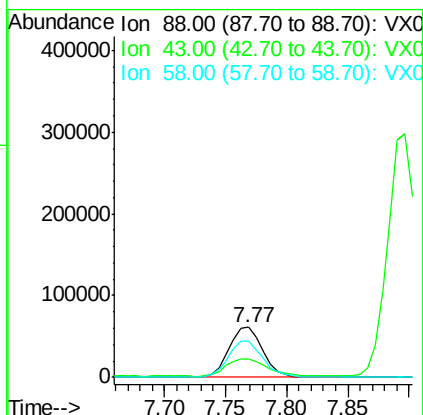
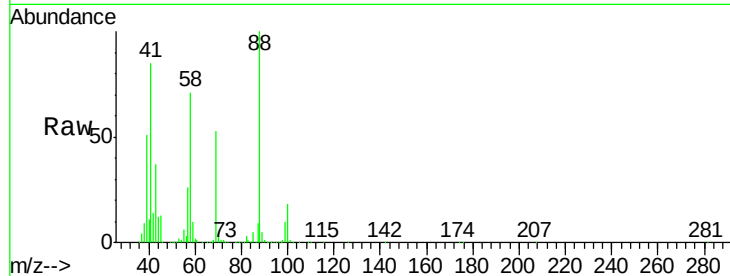




#45
 1,4-Dioxane
 Concen: 1088.74 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

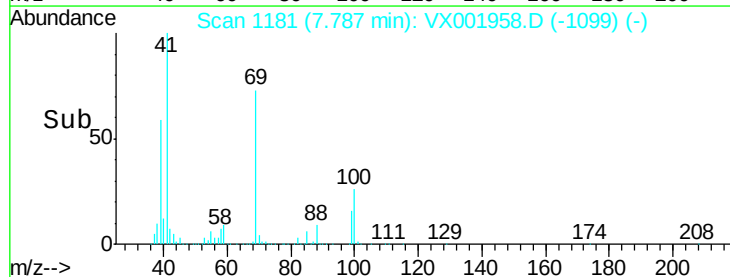
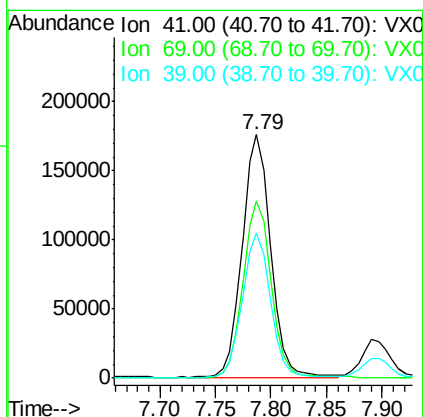
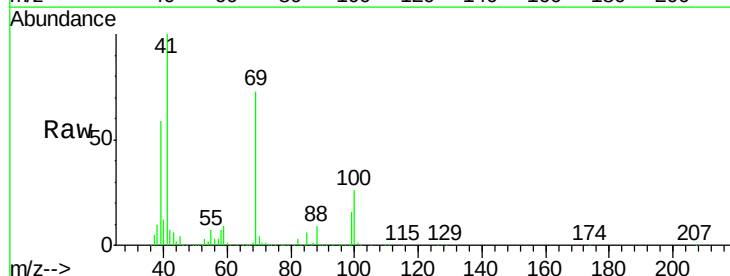
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

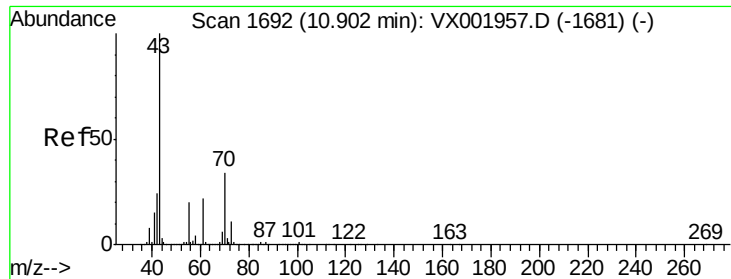
Tgt Ion: 88 Resp: 117146
 Ion Ratio Lower Upper
 88 100
 43 42.7 43.2 64.8#
 58 73.0 60.2 90.2



#46
 Methyl methacrylate
 Concen: 60.65 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

Tgt Ion: 41 Resp: 310564
 Ion Ratio Lower Upper
 41 100
 69 72.9 37.0 110.9
 39 59.4 29.6 88.9





#47

n-amyI Acetate

Concen: 67.43 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

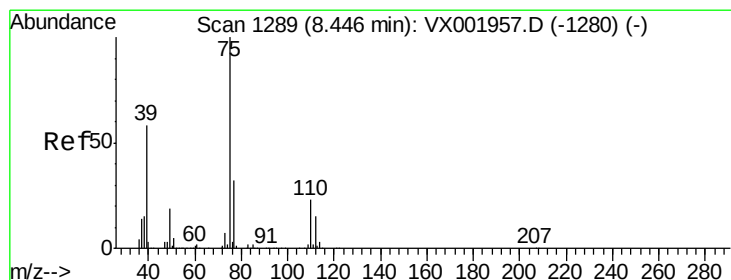
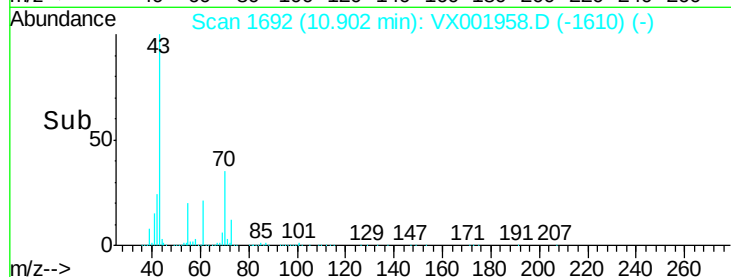
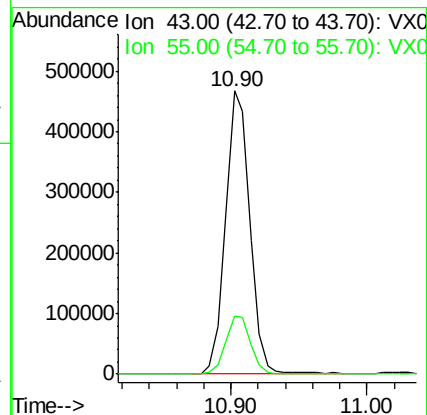
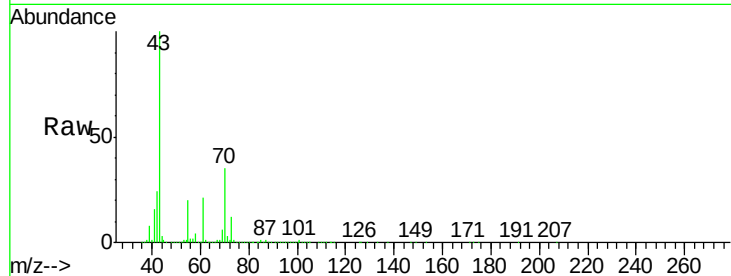
VSTDIC050

Tgt Ion: 43 Resp: 571099

Ion Ratio Lower Upper

43 100

55 20.9 0.1 0.1#



#48

t-1,3-Dichloropropene

Concen: 58.90 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX001958.D

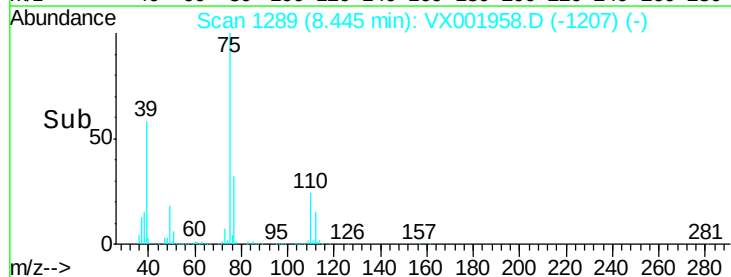
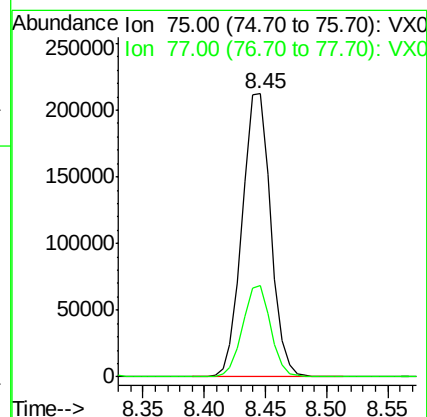
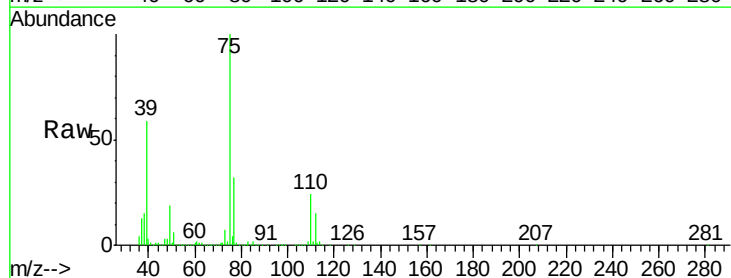
Acq: 24 May 2018 23:25

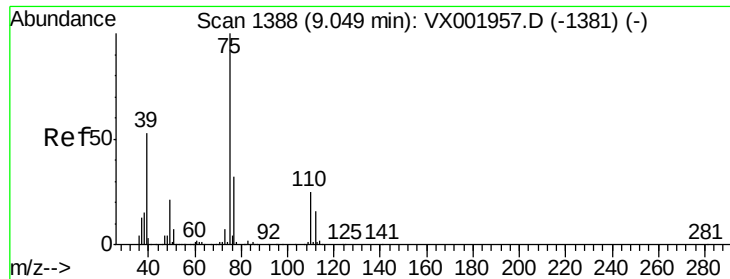
Tgt Ion: 75 Resp: 343515

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 64.05 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

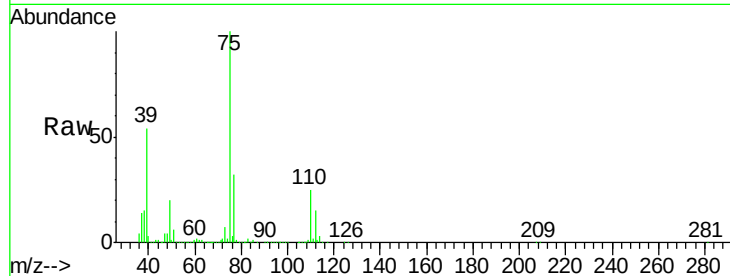
Tgt Ion: 75 Resp: 337302

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

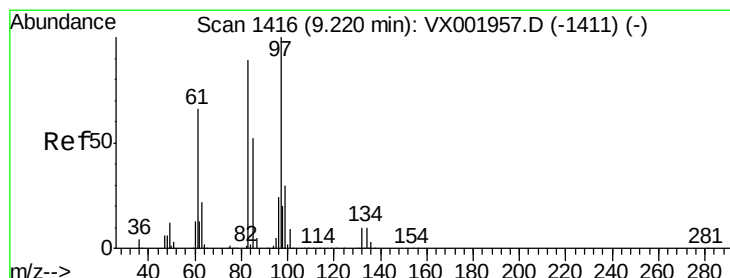
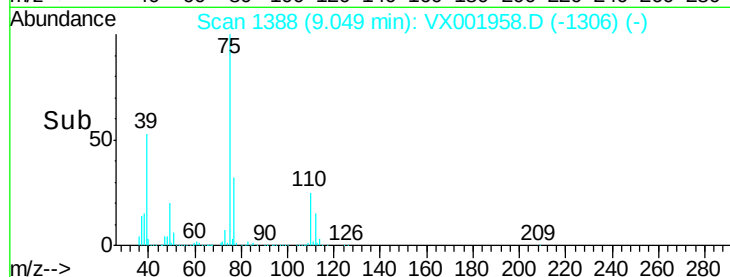
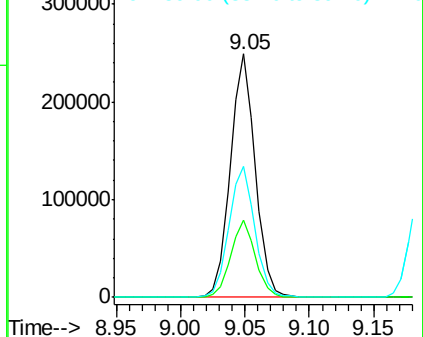
39 53.5 42.3 63.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

1,1,2-Trichloroethane

Concen: 53.54 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Tgt Ion: 97 Resp: 212741

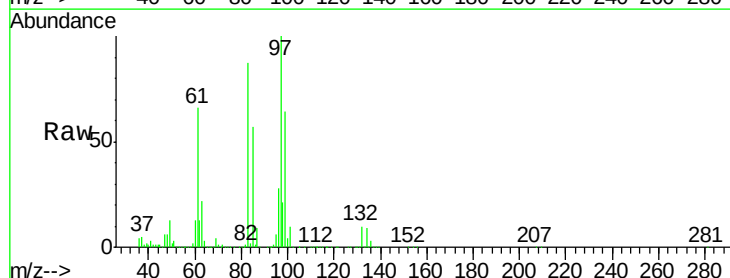
Ion Ratio Lower Upper

97 100

83 87.3 70.8 106.2

85 57.0 43.5 65.3

99 63.6 50.9 76.3

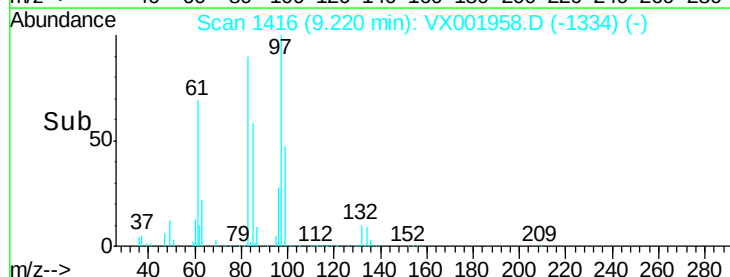
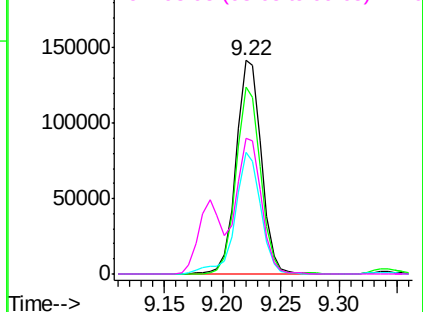


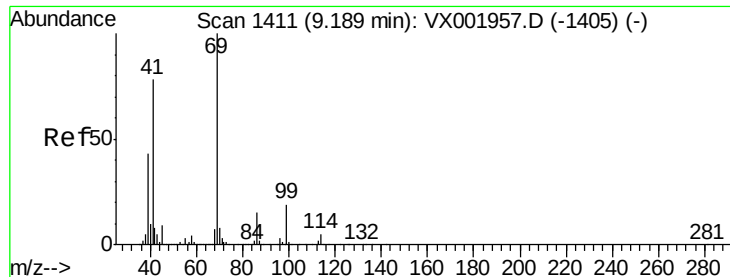
Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 60.78 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

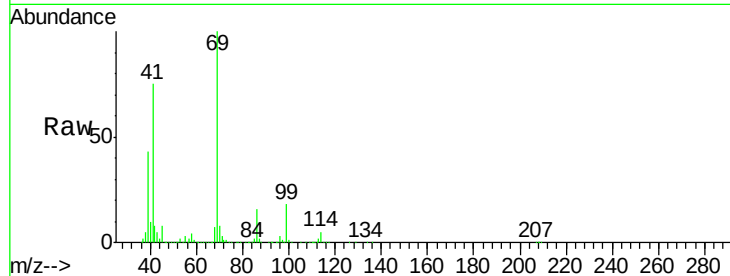
Tgt Ion: 69 Resp: 368069

Ion Ratio Lower Upper

69 100

41 74.6 39.1 117.3

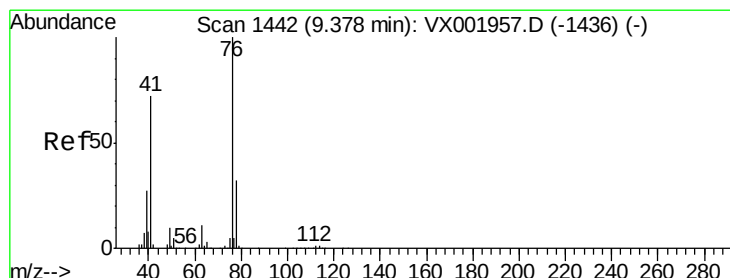
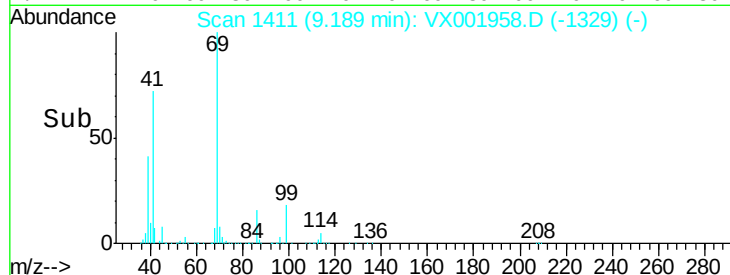
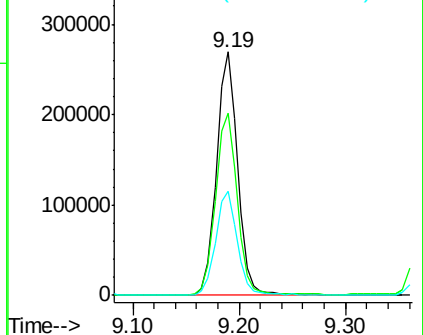
39 42.4 21.7 65.1



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: 53.84 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001958.D

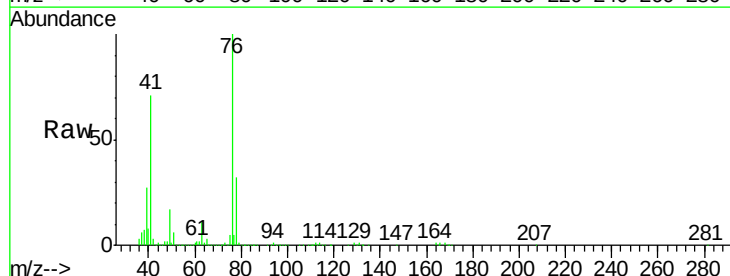
Acq: 24 May 2018 23:25

Tgt Ion: 76 Resp: 356345

Ion Ratio Lower Upper

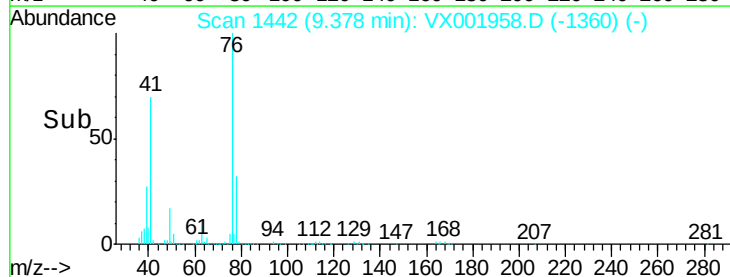
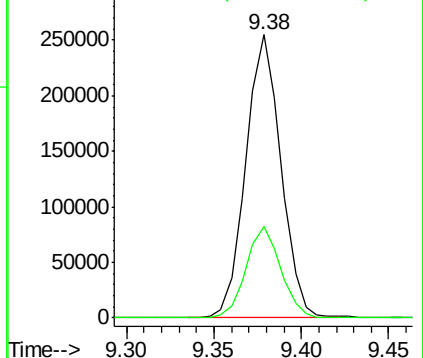
76 100

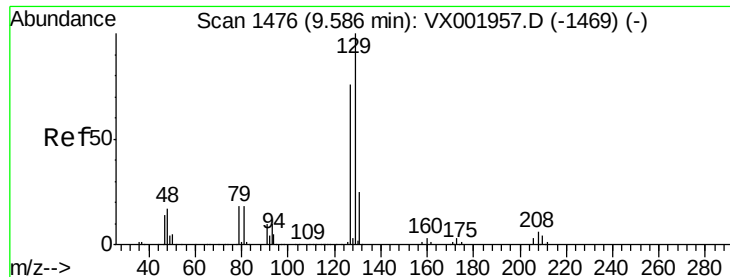
78 31.8 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 60.21 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.01 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

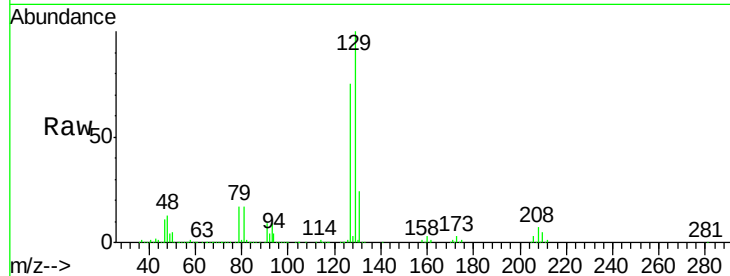
VSTDIC050

Tgt Ion:129 Resp: 259730

Ion Ratio Lower Upper

129 100

127 76.4 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

200000

150000

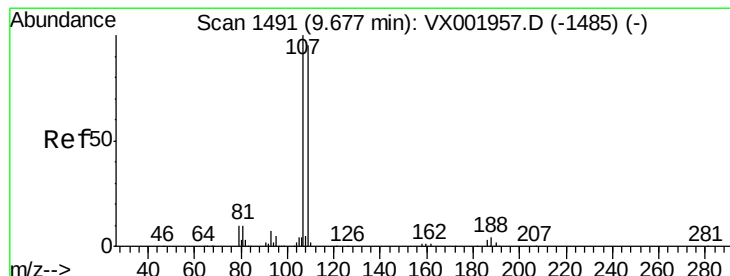
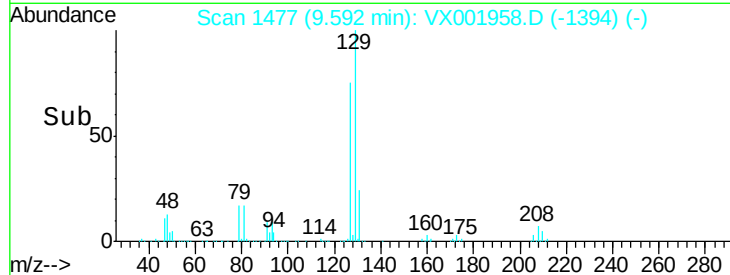
100000

50000

0

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 54.50 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001958.D

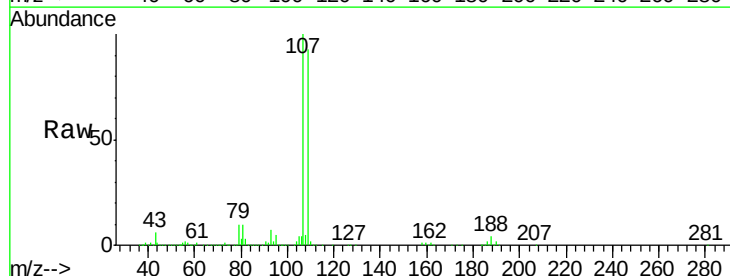
Acq: 24 May 2018 23:25

Tgt Ion:107 Resp: 229886

Ion Ratio Lower Upper

107 100

109 93.1 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

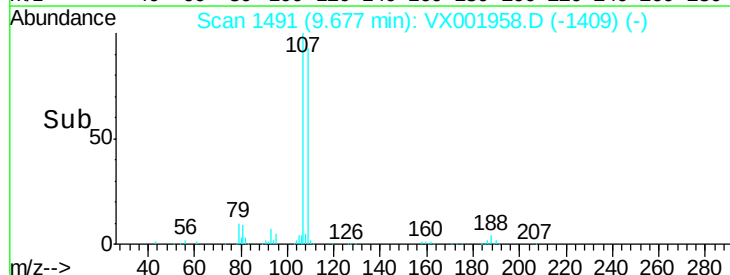
100000

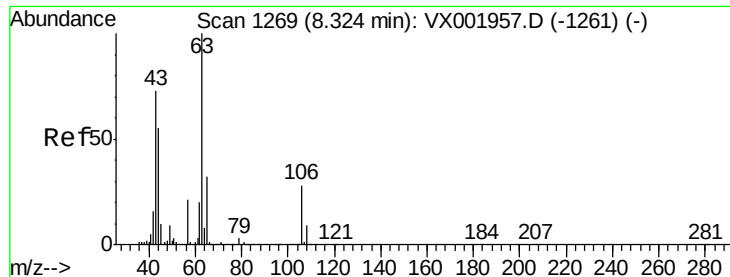
50000

0

9.60 9.65 9.70 9.75

Time-->

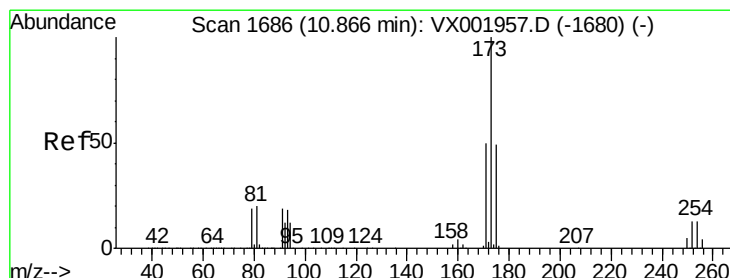
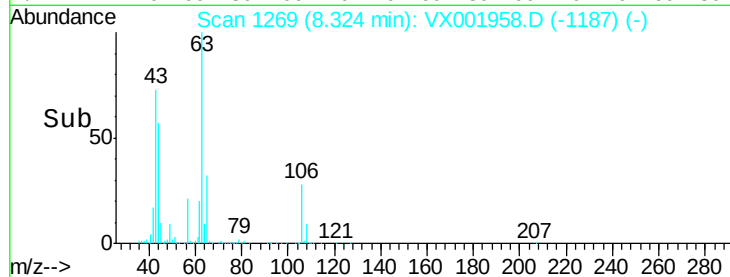
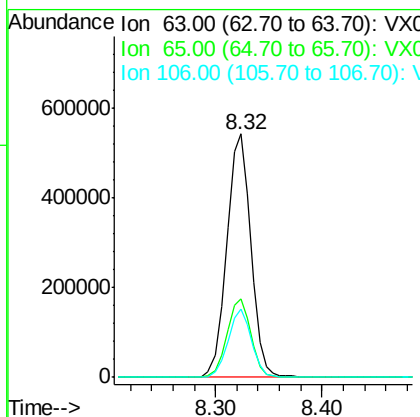
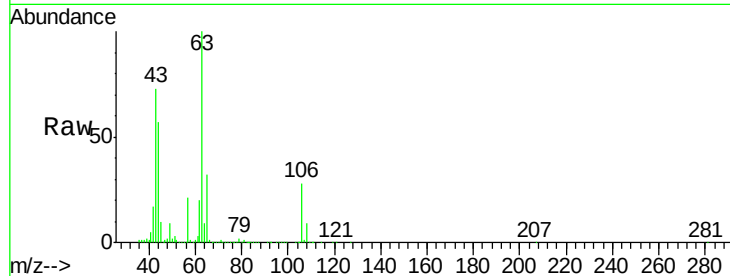




#55
2-Chloroethyl vinyl ether
Concen: 273.18 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

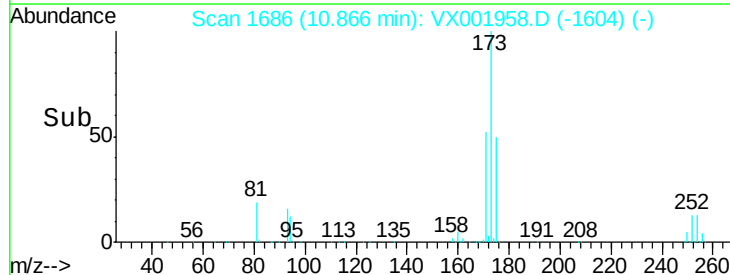
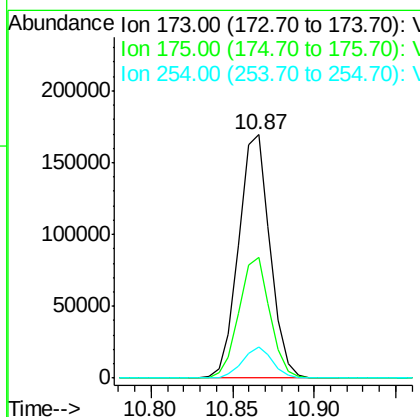
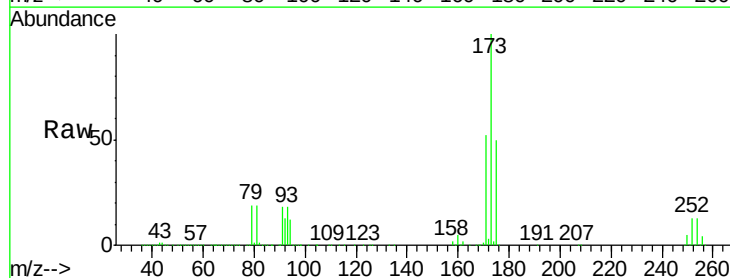
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

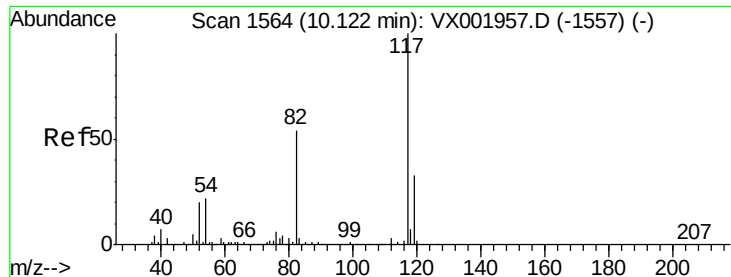
Tgt Ion: 63 Resp: 858797
Ion Ratio Lower Upper
63 100
65 32.1 25.6 38.4
106 27.2 21.6 32.4



#56
Bromoform
Concen: 63.31 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion: 173 Resp: 227645
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.4
254 12.3 9.6 14.4

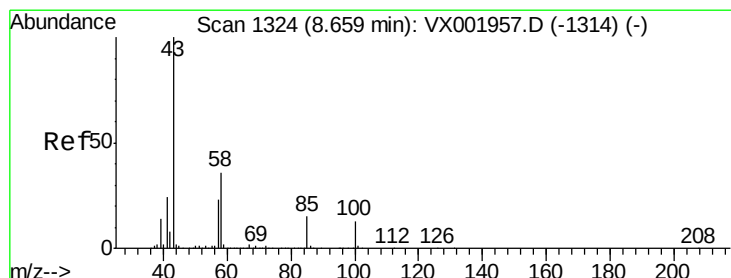
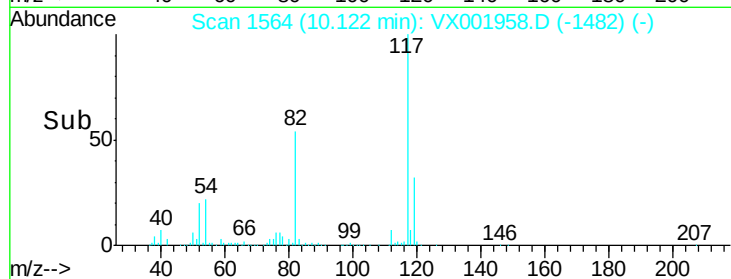
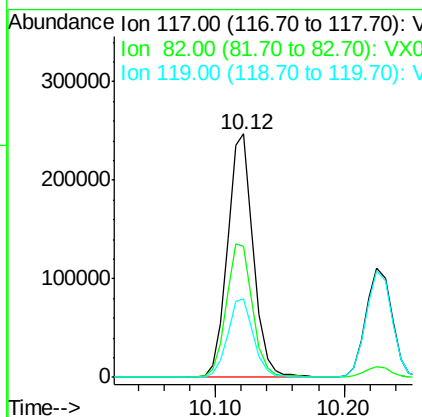
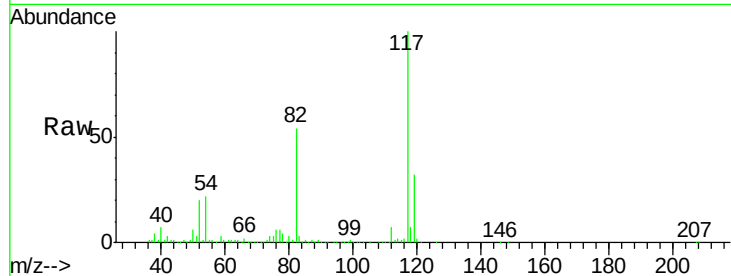




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

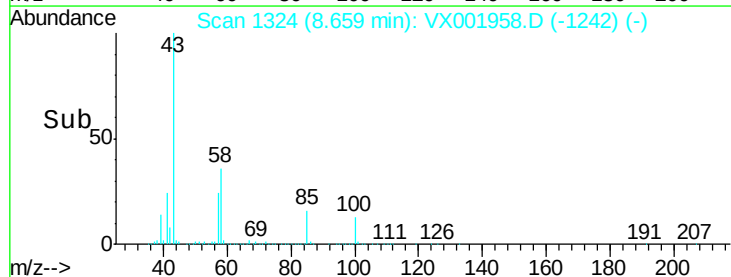
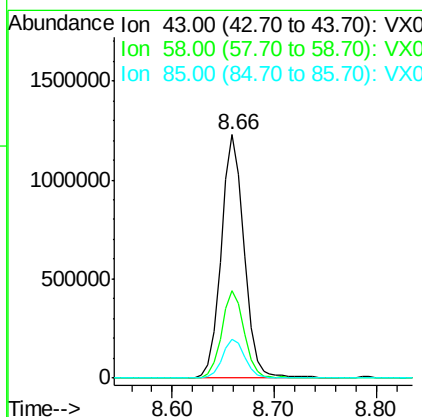
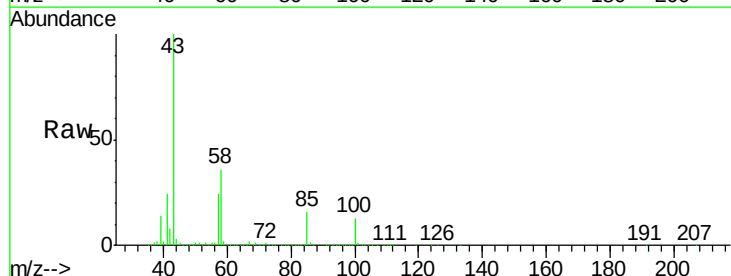
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

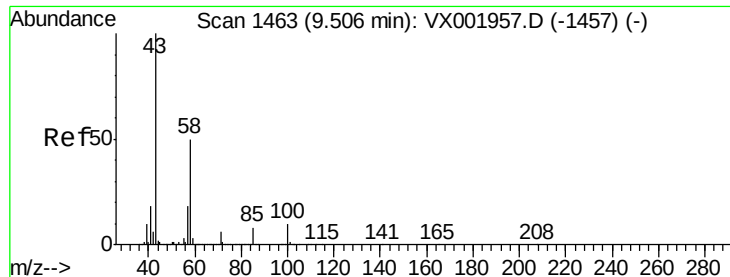
Tgt Ion:117 Resp: 347147
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.6 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 297.66 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion: 43 Resp: 1910113
Ion Ratio Lower Upper
43 100
58 35.4 28.2 42.4
85 15.9 12.4 18.6

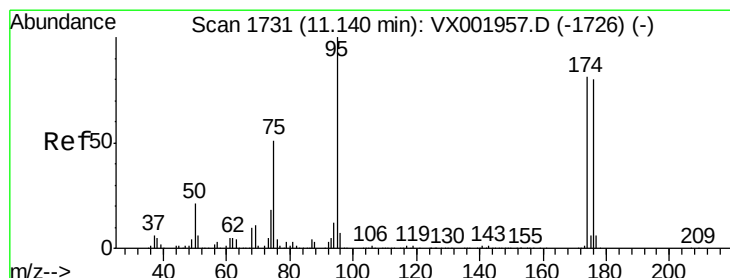
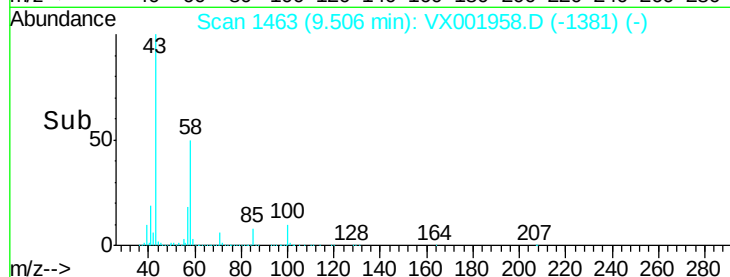
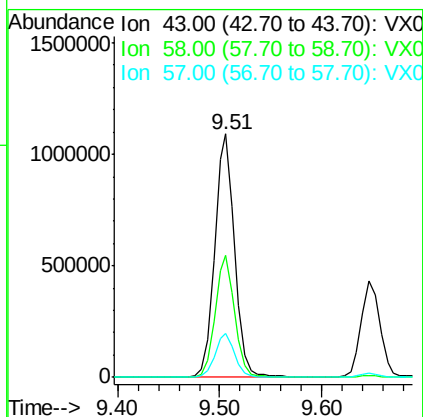
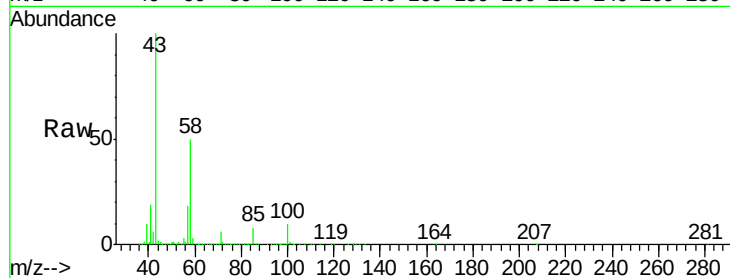




#59
2-Hexanone
Concen: 307.54 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

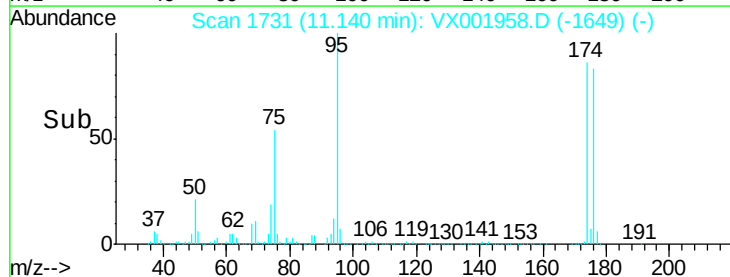
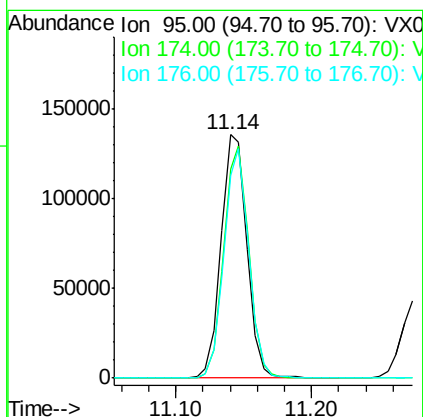
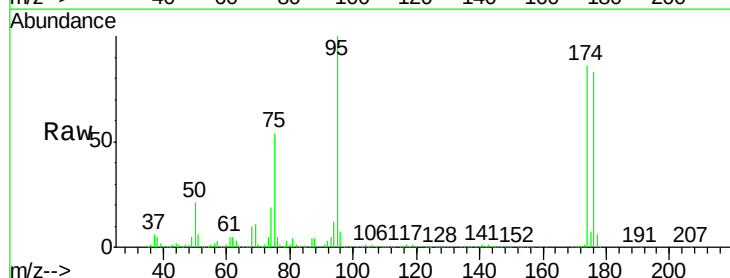
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

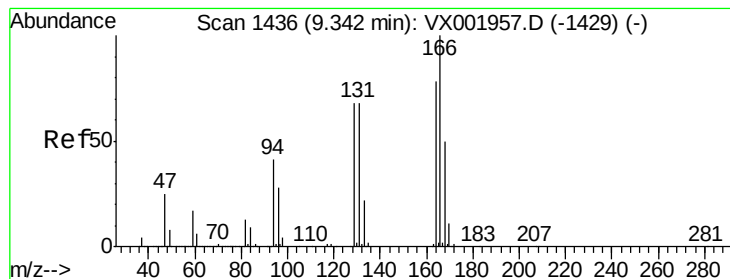
Tgt Ion: 43 Resp: 1487122
Ion Ratio Lower Upper
43 100
58 49.5 39.6 59.4
57 17.9 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 31.98 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion: 95 Resp: 177723
Ion Ratio Lower Upper
95 100
174 93.0 71.8 107.6
176 90.8 70.1 105.1





#61

Tetrachloroethene

Concen: 53.70 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 268239

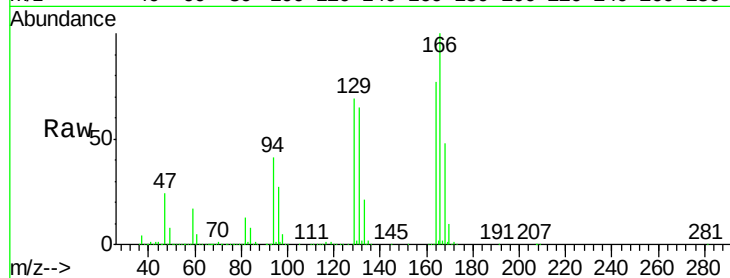
Ion Ratio Lower Upper

164 100

166 129.2 102.4 153.6

129 89.1 70.1 105.1

131 84.4 69.1 103.7

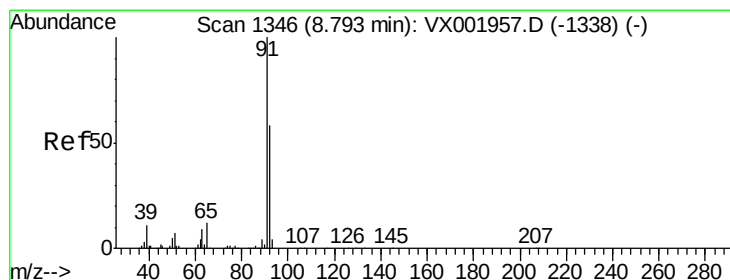
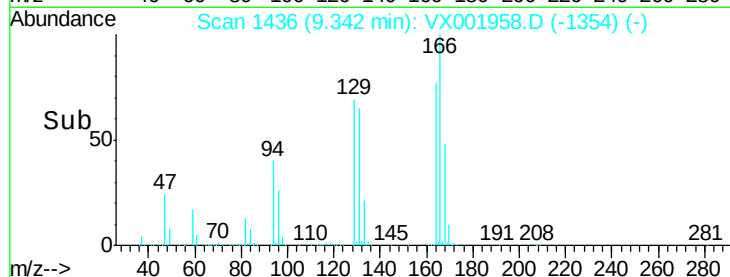
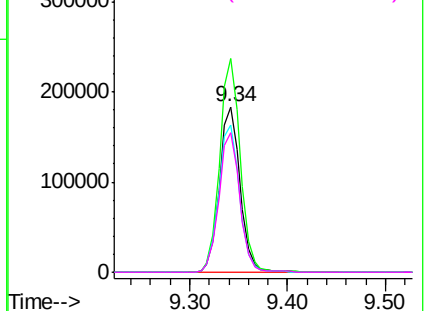


Abundance Ion 163.85 (163.55 to 164.55): V

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: 53.83 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001958.D

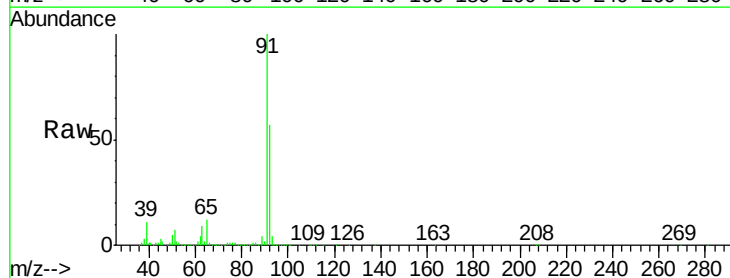
Acq: 24 May 2018 23:25

Tgt Ion: 91 Resp: 891367

Ion Ratio Lower Upper

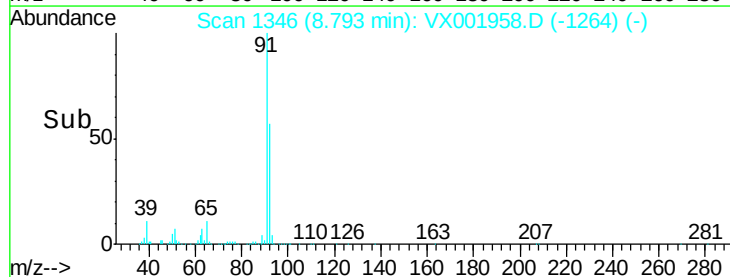
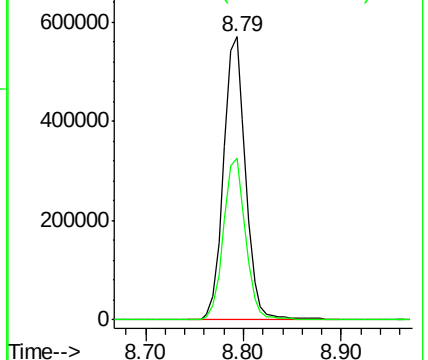
91 100

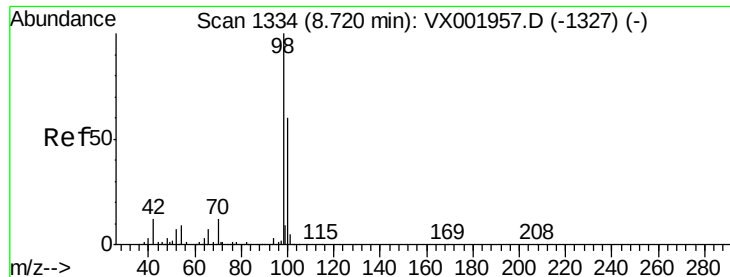
92 57.6 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.15 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

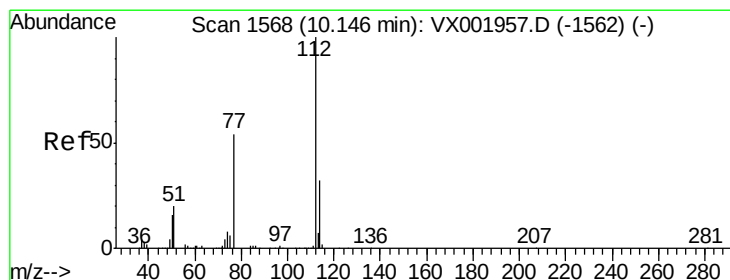
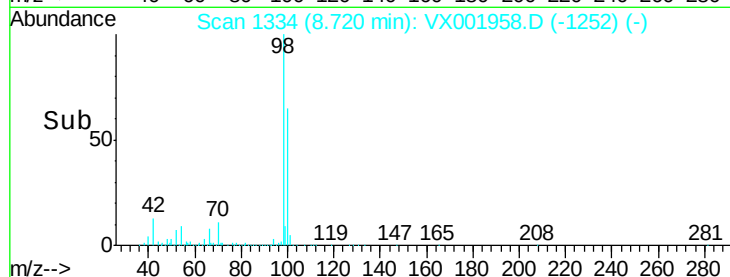
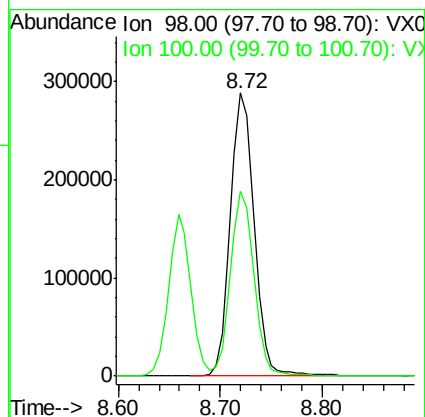
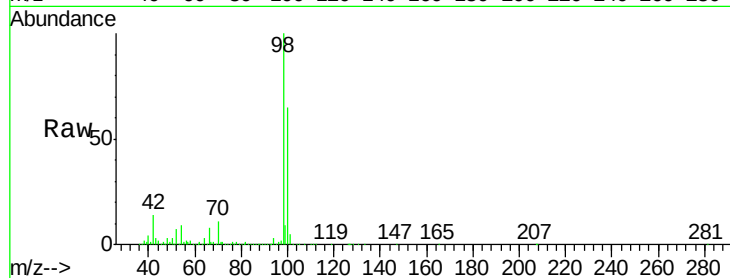
VSTDIC050

Tgt Ion: 98 Resp: 465746

Ion Ratio Lower Upper

98 100

100 65.2 50.8 76.2



#64

Chlorobenzene

Concen: 53.64 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001958.D

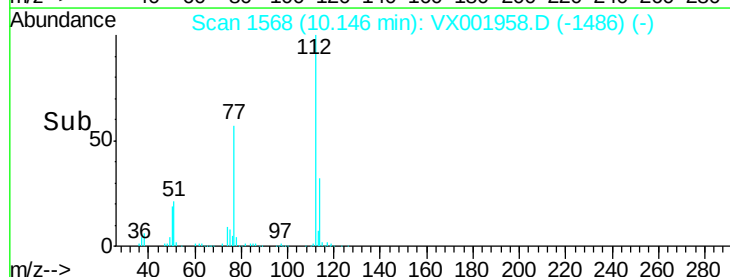
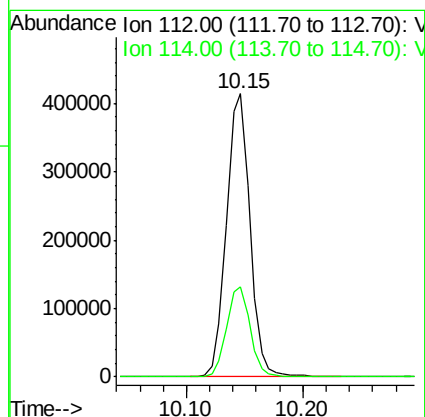
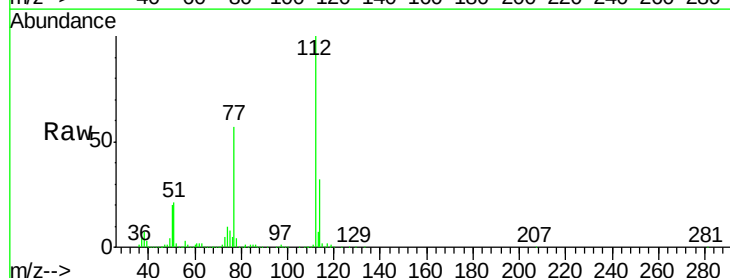
Acq: 24 May 2018 23:25

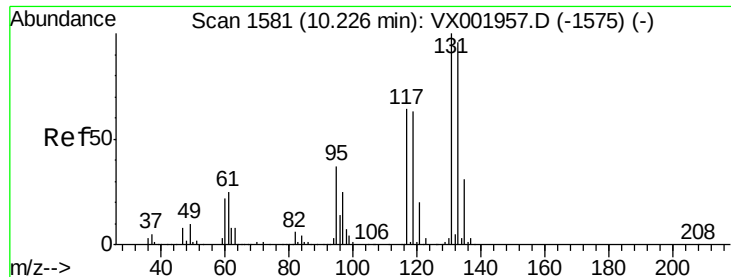
Tgt Ion: 112 Resp: 579525

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 55.84 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

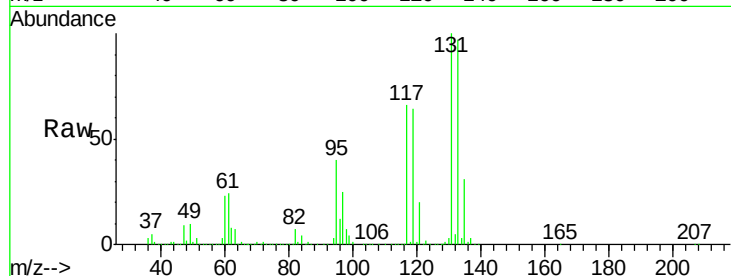
Tgt Ion:131 Resp: 232902

Ion Ratio Lower Upper

131 100

133 96.5 0.0 191.2

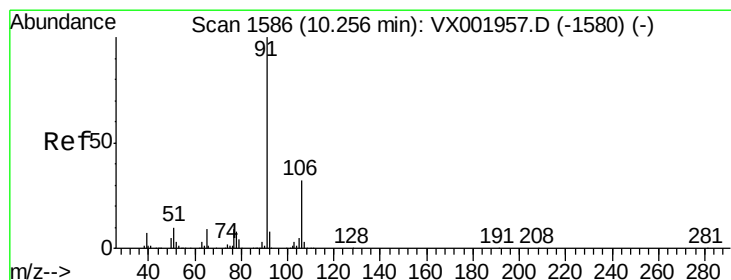
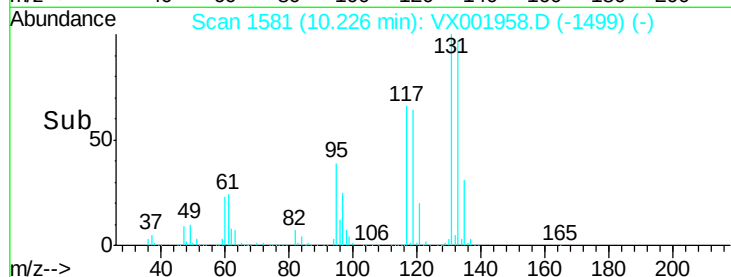
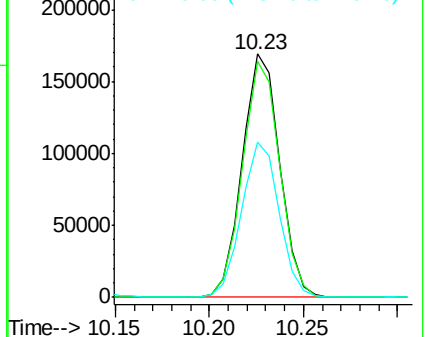
119 64.0 0.0 125.4



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: 57.69 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001958.D

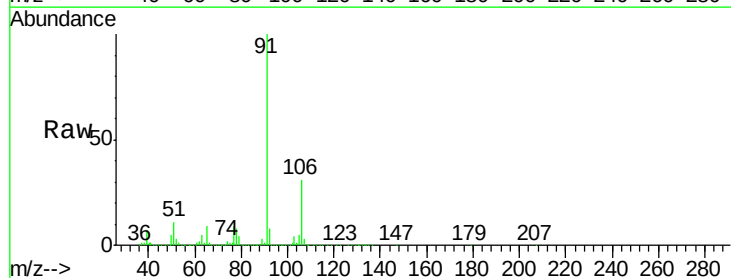
Acq: 24 May 2018 23:25

Tgt Ion: 91 Resp: 1007027

Ion Ratio Lower Upper

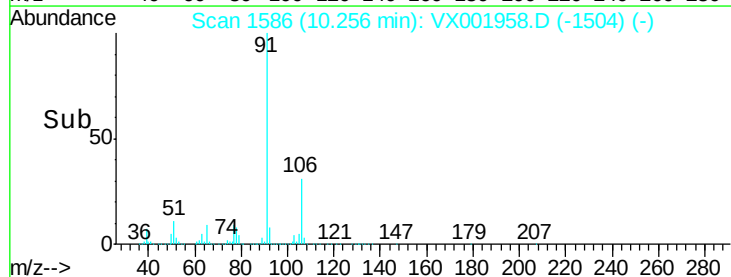
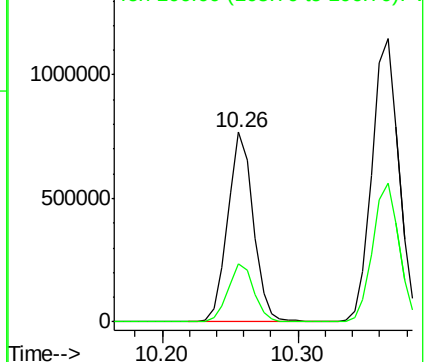
91 100

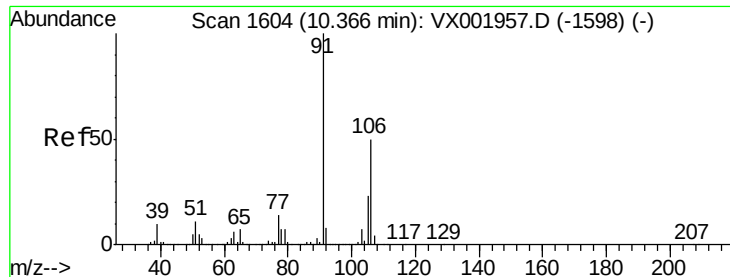
106 30.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

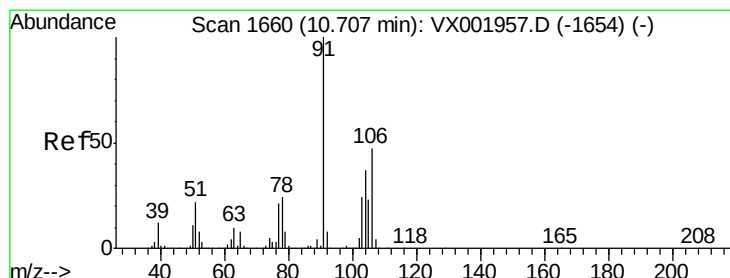
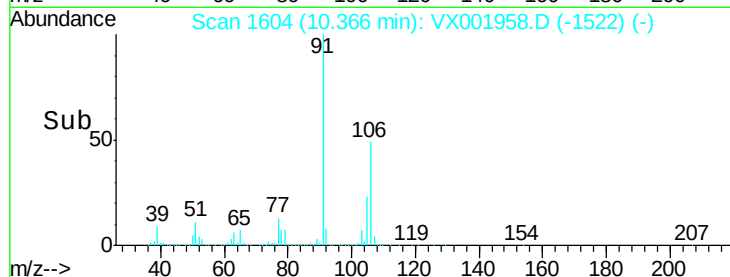
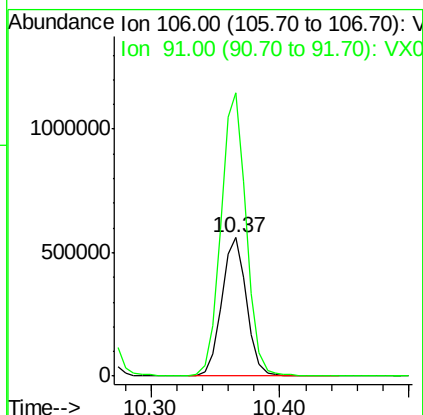
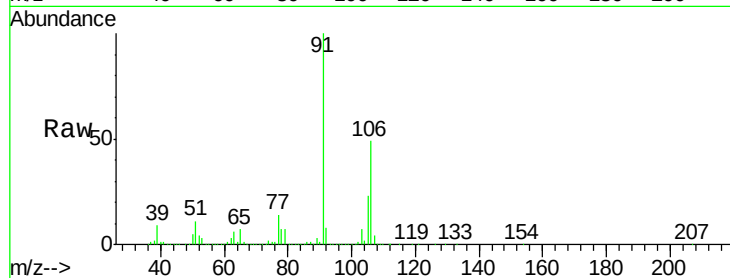




#67
m/p-Xylenes
Concen: 111.15 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

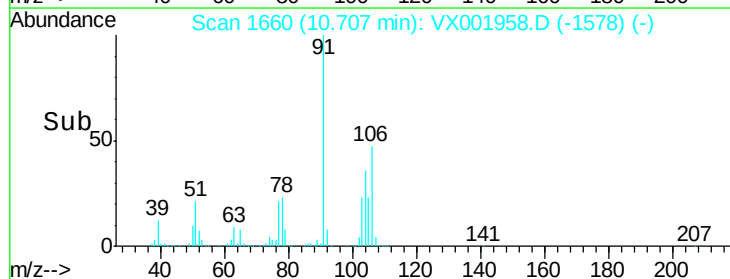
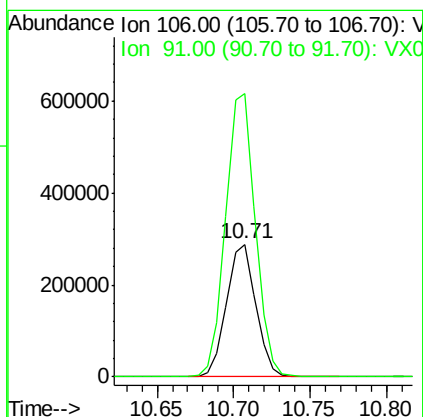
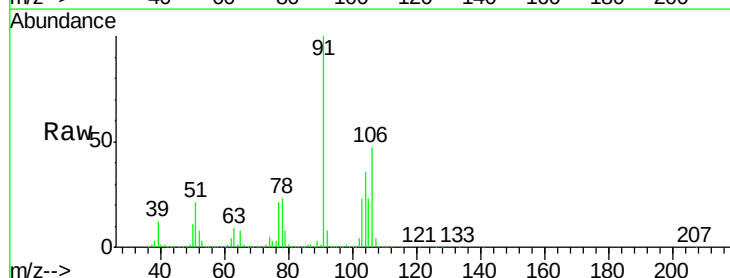
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

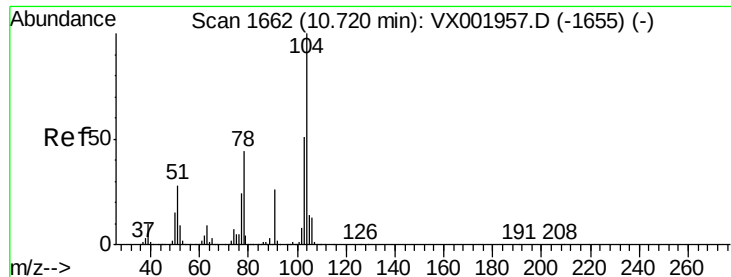
Tgt Ion:106 Resp: 763317
Ion Ratio Lower Upper
106 100
91 206.9 164.1 246.1



#68
o-Xylene
Concen: 56.08 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion:106 Resp: 383782
Ion Ratio Lower Upper
106 100
91 216.2 109.1 327.3





#69

Styrene

Concen: 57.00 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

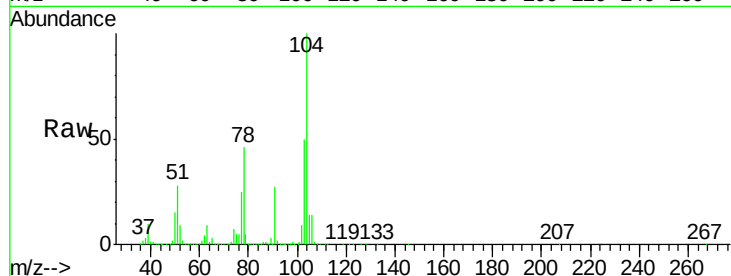
Tgt Ion:104 Resp: 643221

Ion Ratio Lower Upper

104 100

78 52.0 41.8 62.8

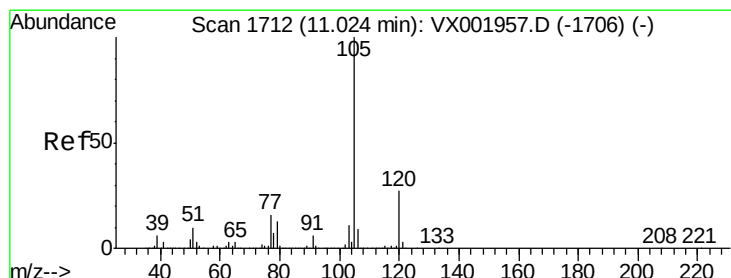
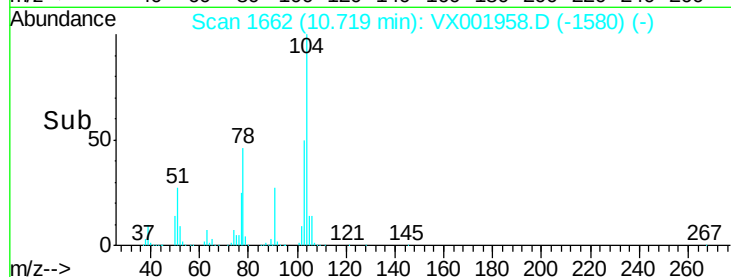
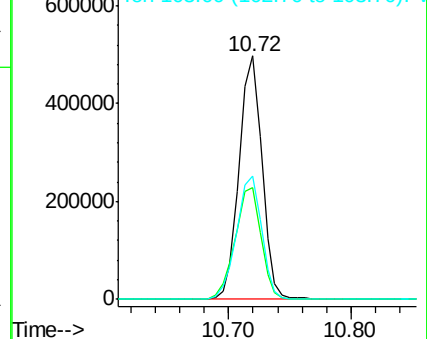
103 55.4 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 58.21 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001958.D

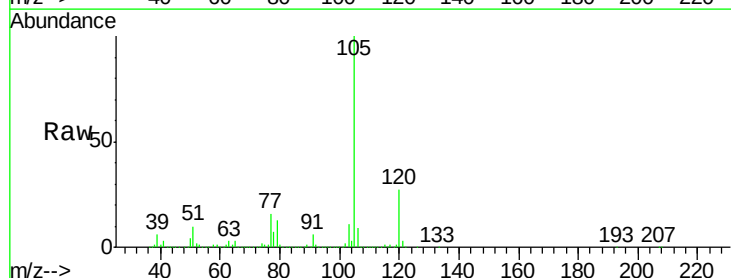
Acq: 24 May 2018 23:25

Tgt Ion:105 Resp: 1029227

Ion Ratio Lower Upper

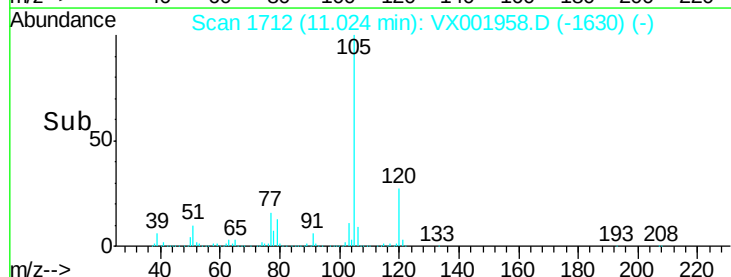
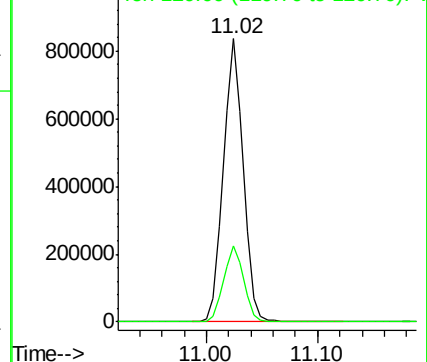
105 100

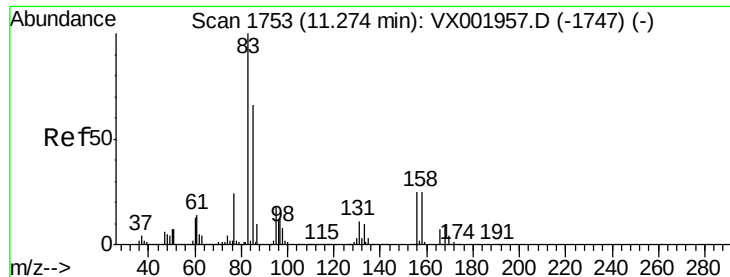
120 26.9 19.0 35.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 53.63 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

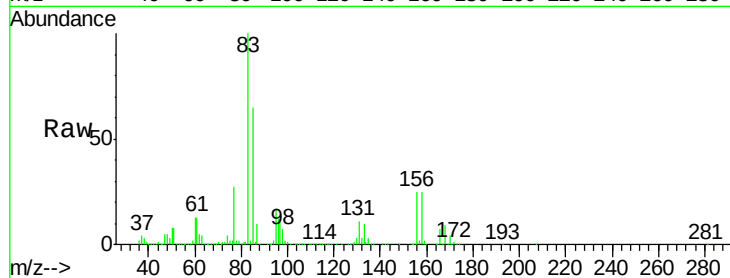
Tgt Ion: 83 Resp: 314281

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

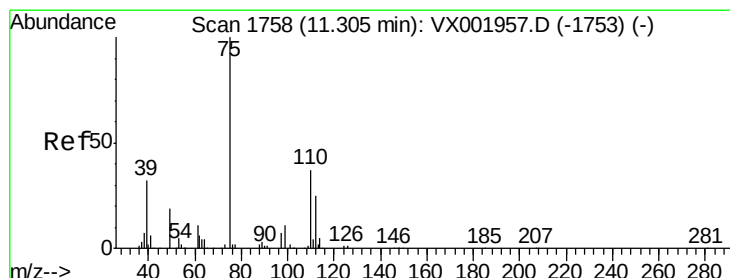
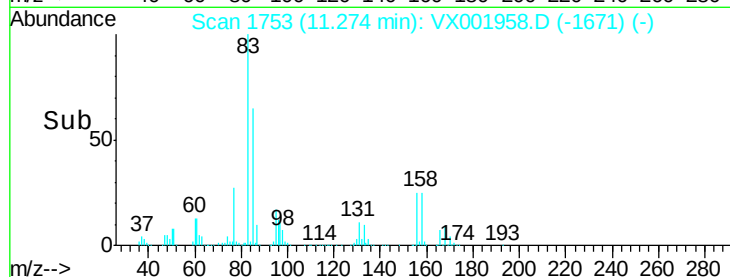
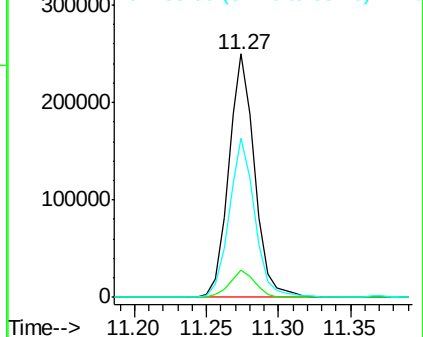
85 64.7 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 70.09 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001958.D

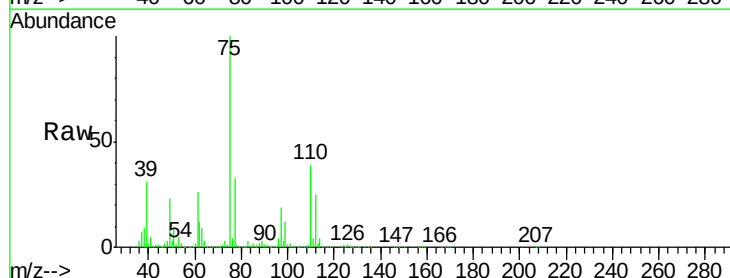
Acq: 24 May 2018 23:25

Tgt Ion: 75 Resp: 405354

Ion Ratio Lower Upper

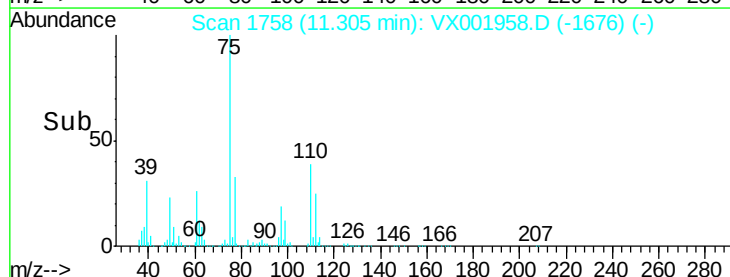
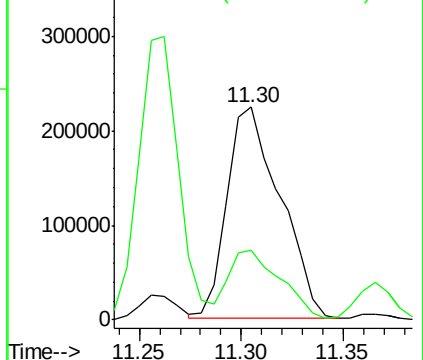
75 100

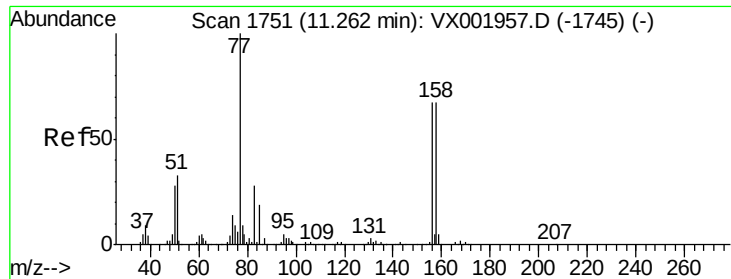
77 30.5 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

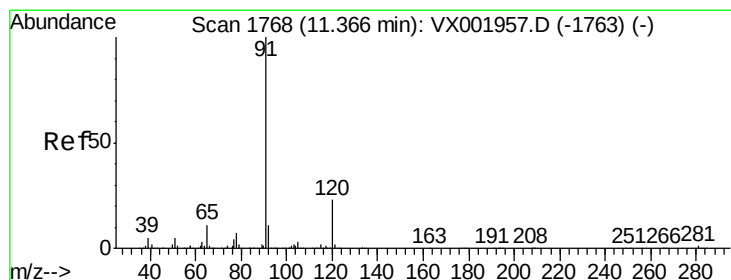
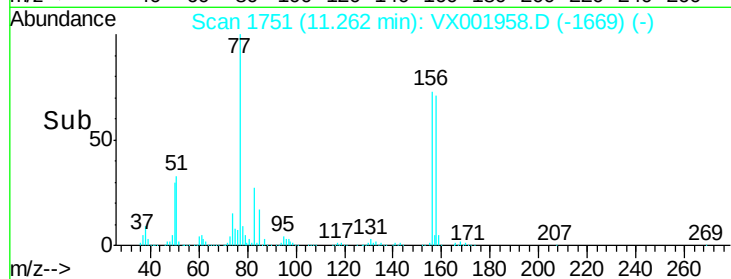
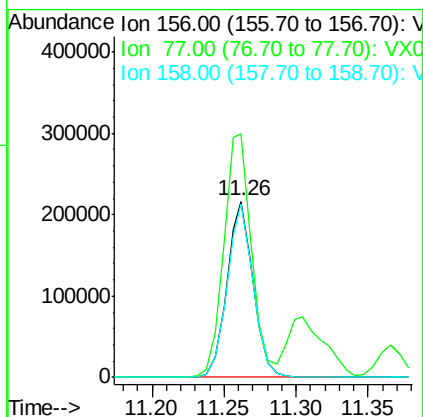
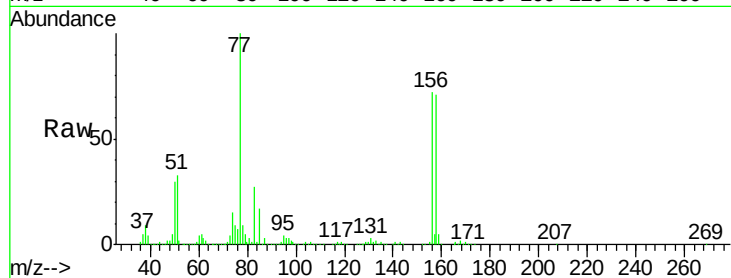




#73
Bromobenzene
Concen: 52.57 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

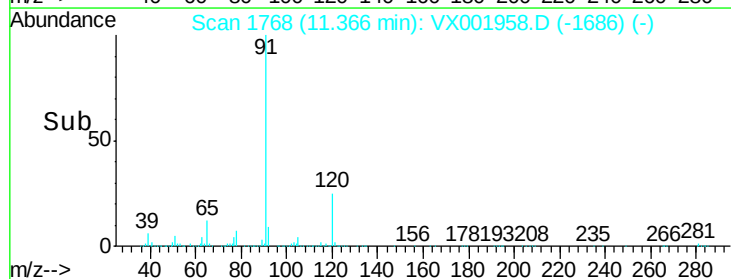
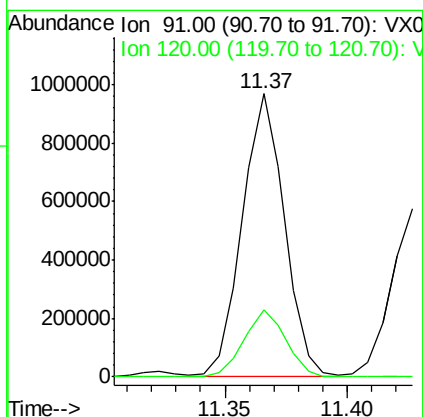
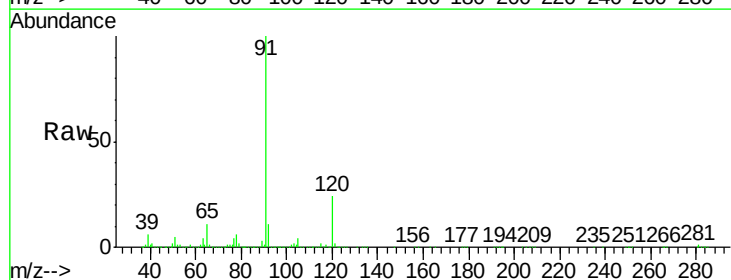
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

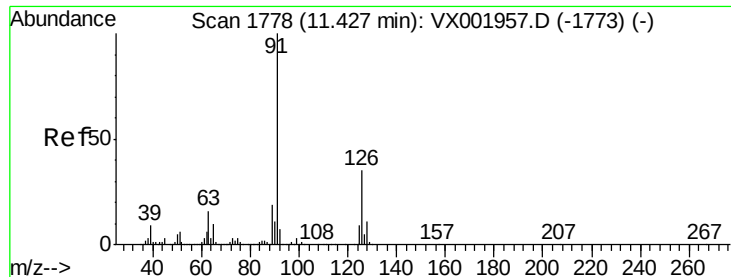
Tgt Ion	Ratio	Lower	Upper
156	100		
77	147.8	0.0	301.0
158	98.2	0.0	196.2



#74
n-propylbenzene
Concen: 59.59 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	0.0	46.2





#75

2-Chlorotoluene

Concen: 58.01 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampled :

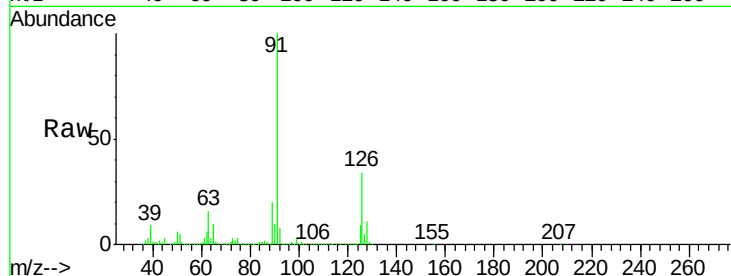
VSTDIC050

Tgt Ion: 91 Resp: 706805

Ion Ratio Lower Upper

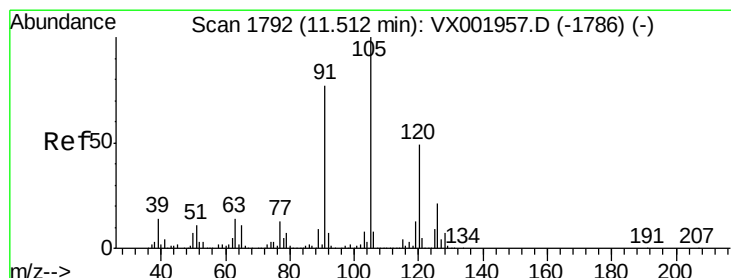
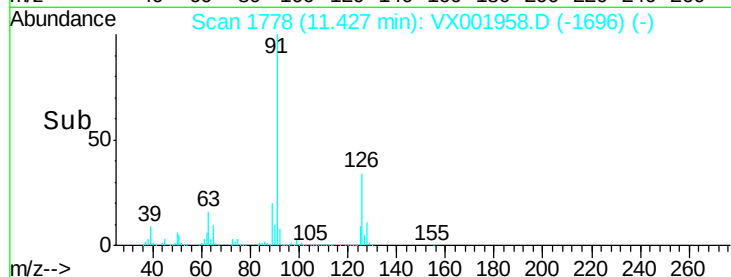
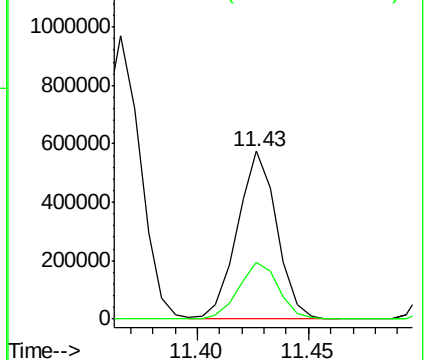
91 100

126 34.3 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 58.72 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001958.D

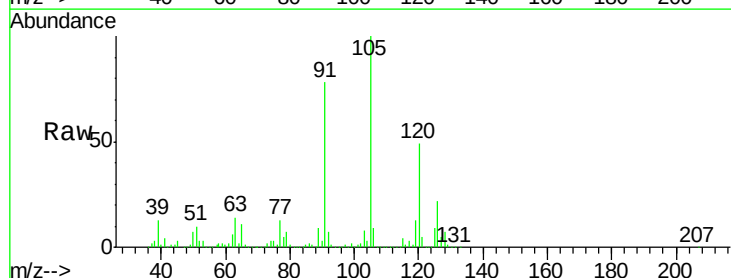
Acq: 24 May 2018 23:25

Tgt Ion: 105 Resp: 875437

Ion Ratio Lower Upper

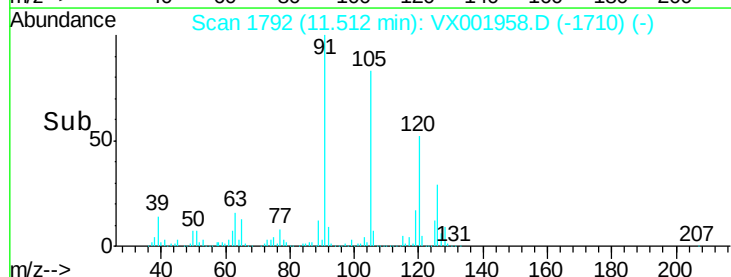
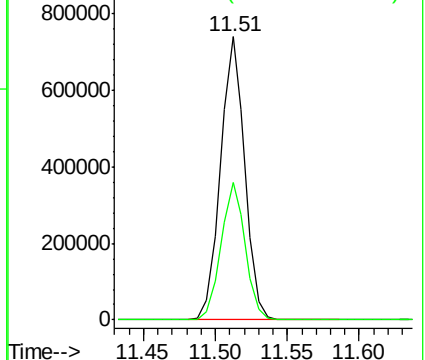
105 100

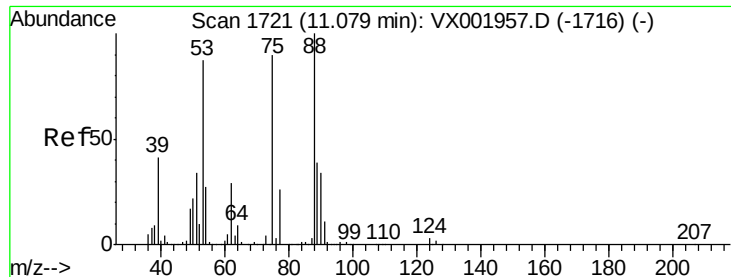
120 48.5 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 67.11 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

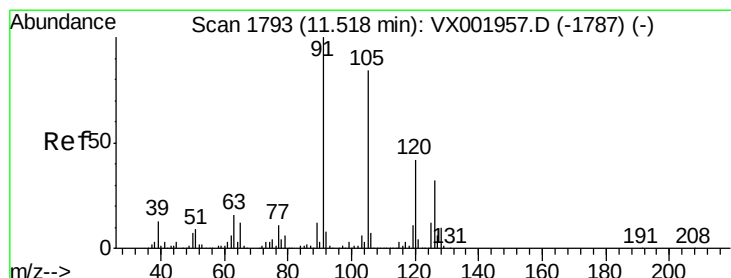
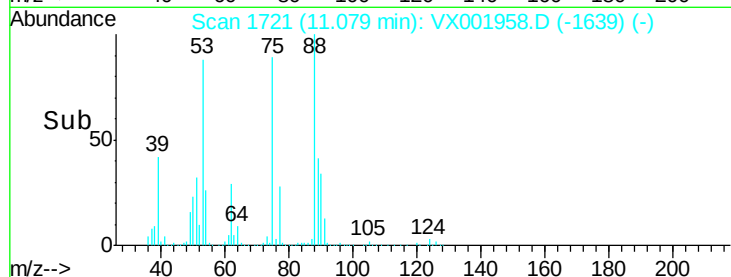
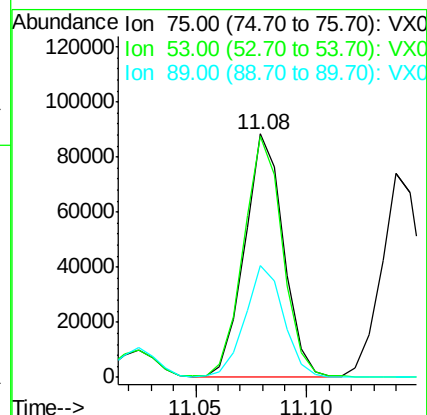
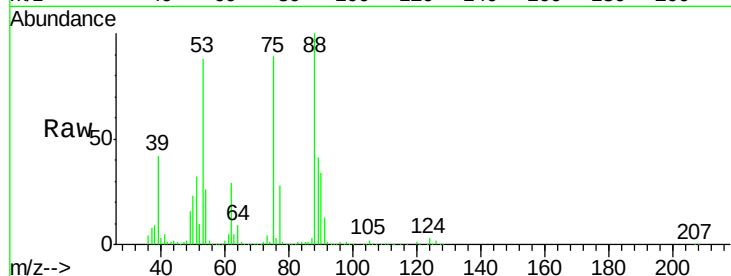
Tgt Ion: 75 Resp: 107498

Ion Ratio Lower Upper

75 100

53 98.7 48.3 144.9

89 45.7 21.8 65.4



#78

4-Chlorotoluene

Concen: 58.71 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001958.D

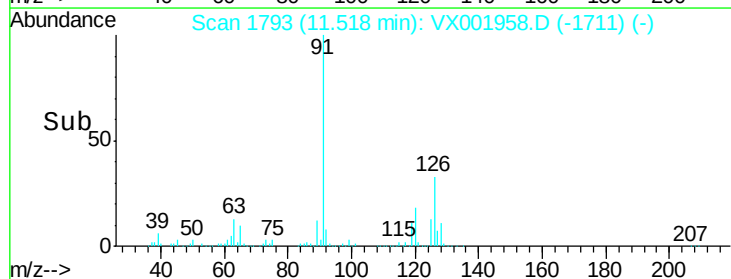
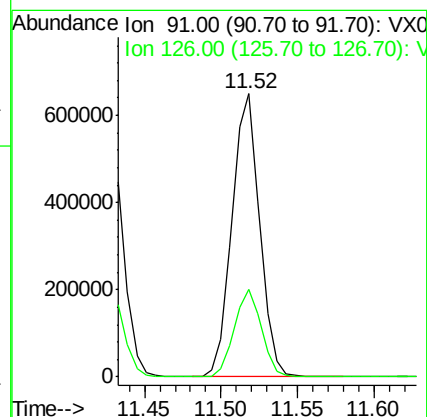
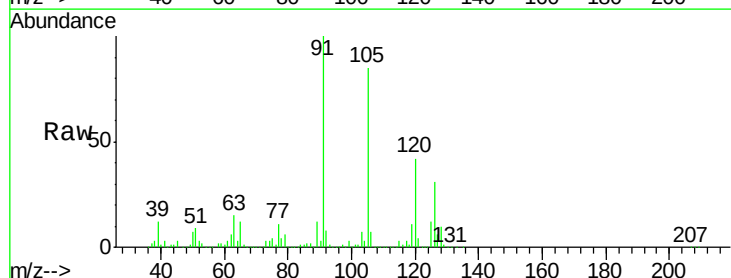
Acq: 24 May 2018 23:25

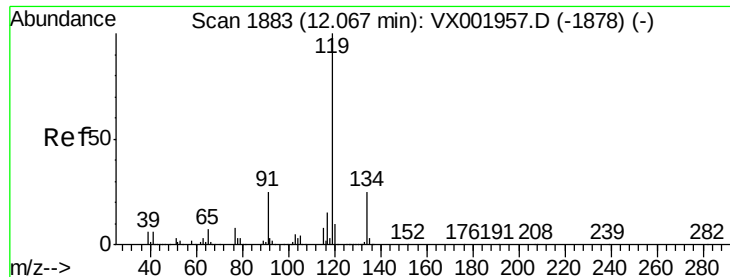
Tgt Ion: 91 Resp: 811661

Ion Ratio Lower Upper

91 100

126 30.5 0.0 61.0

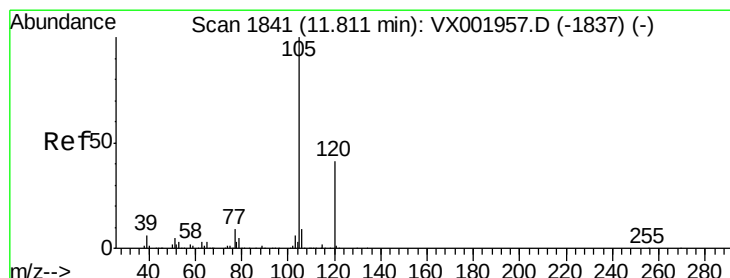
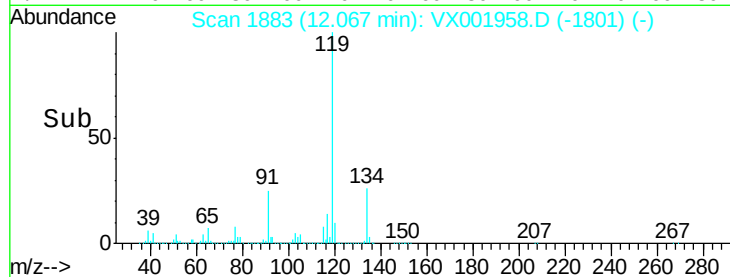
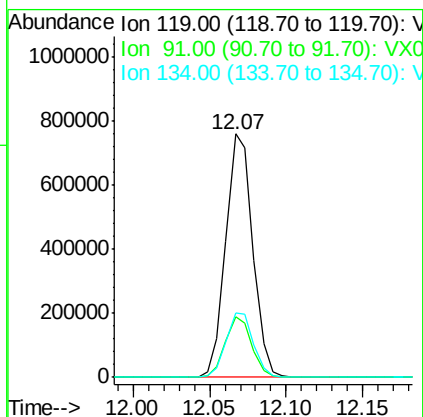
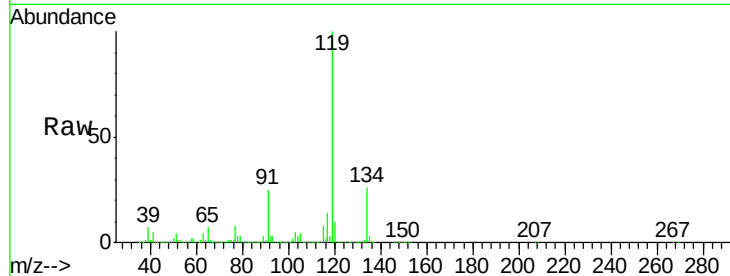




#79
tert-butylbenzene
Concen: 59.17 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

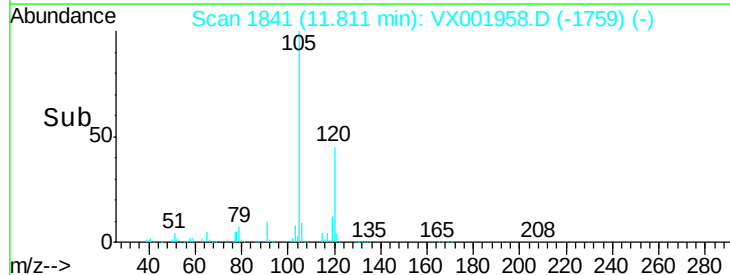
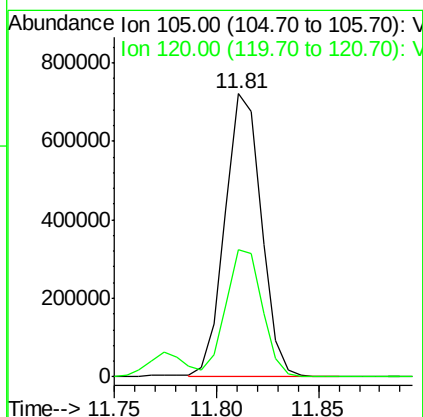
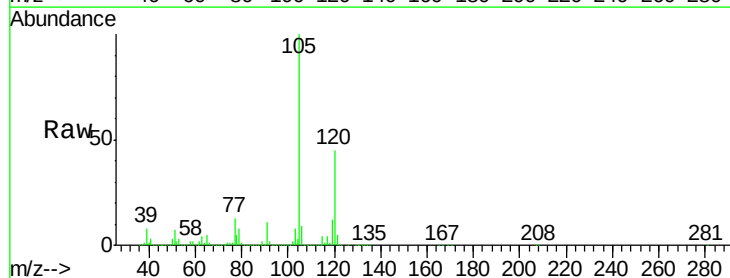
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

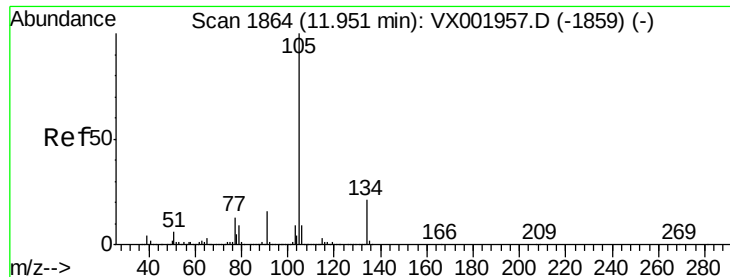
Tgt Ion	Ratio	Lower	Upper
119	100		
91	24.2	0.0	48.0
134	26.8	0.0	52.6



#80
1,2,4-Trimethylbenzene
Concen: 58.47 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	0.0	89.2

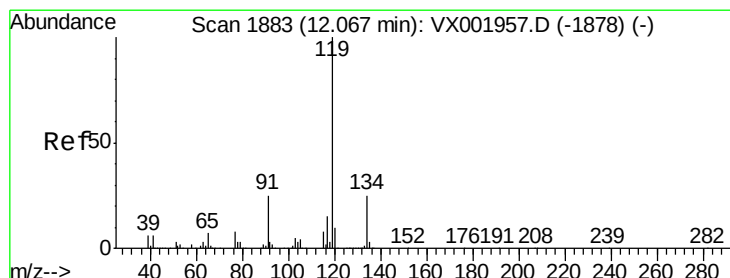
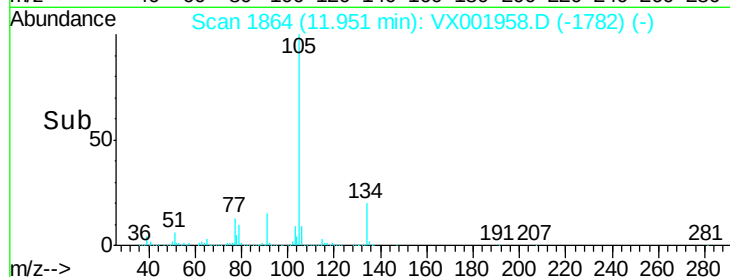
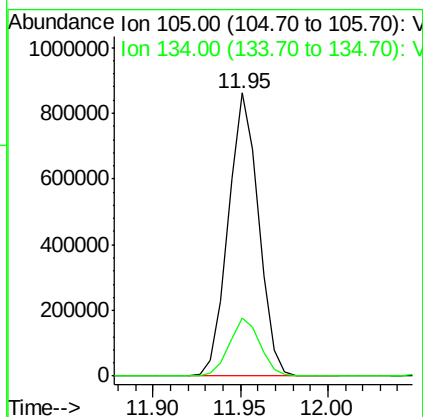
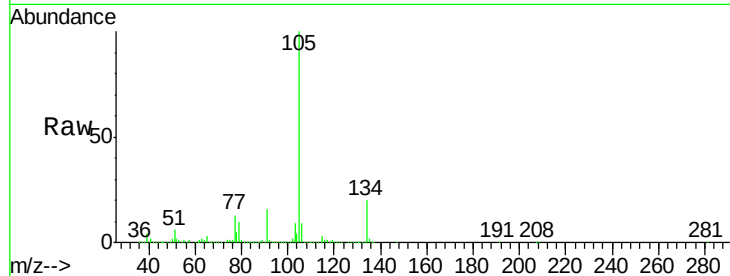




#81
 sec-Butylbenzene
 Concen: 59.89 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

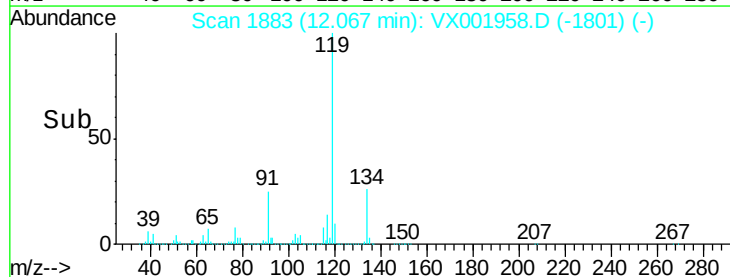
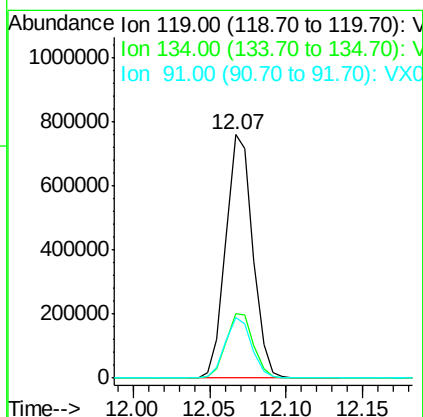
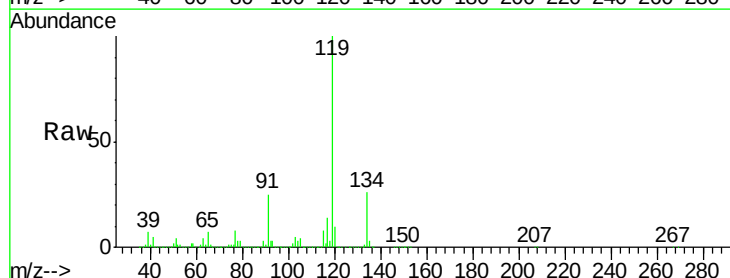
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

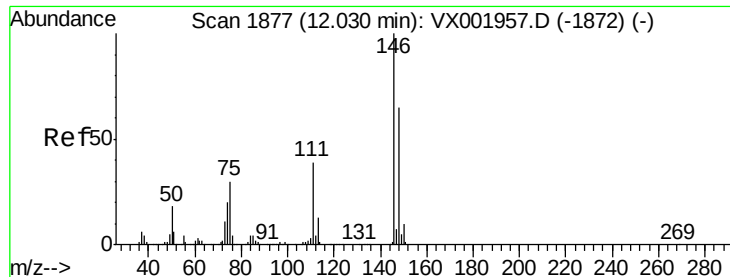
Tgt Ion:105 Resp: 1037235
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 41.6



#82
 p-Isopropyltoluene
 Concen: 59.17 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

Tgt Ion:119 Resp: 928125
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.6
 91 24.2 0.0 48.0





#83

1,3-Dichlorobenzene

Concen: 53.92 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

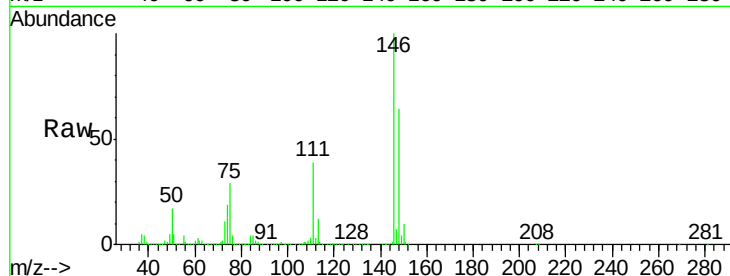
Tgt Ion:146 Resp: 491475

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.5

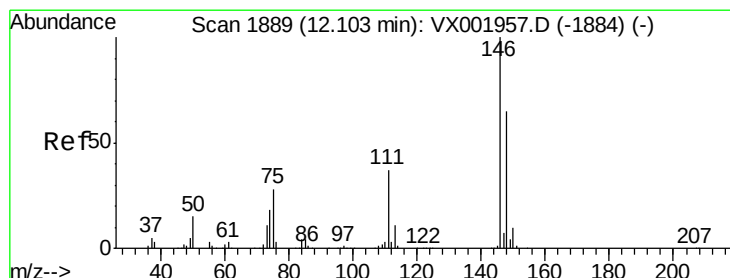
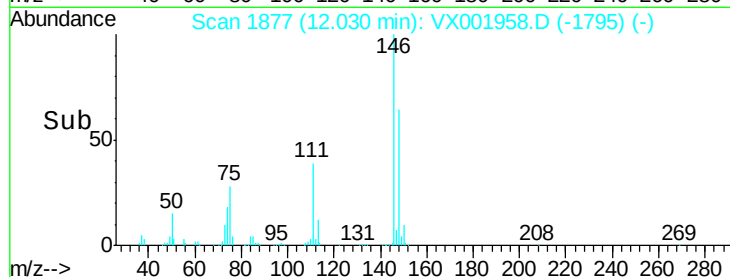
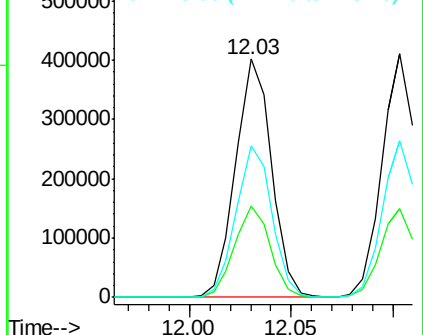
148 63.8 31.9 95.7



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: 53.45 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

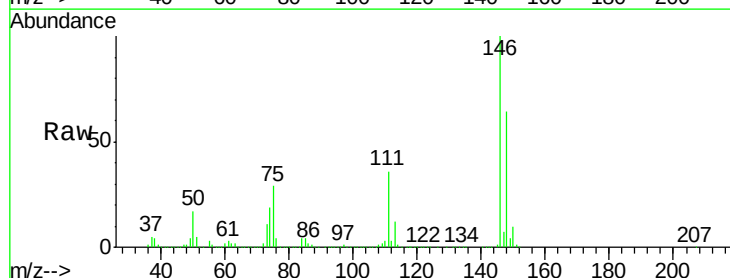
Tgt Ion:146 Resp: 488577

Ion Ratio Lower Upper

146 100

111 36.8 18.5 55.5

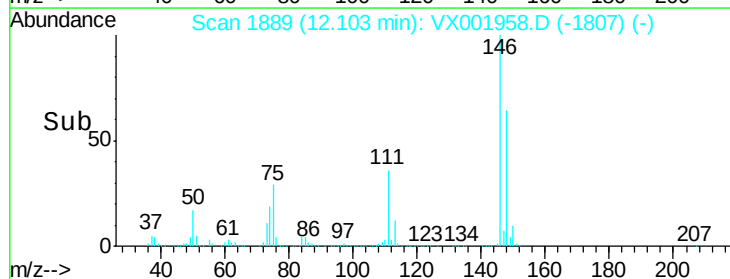
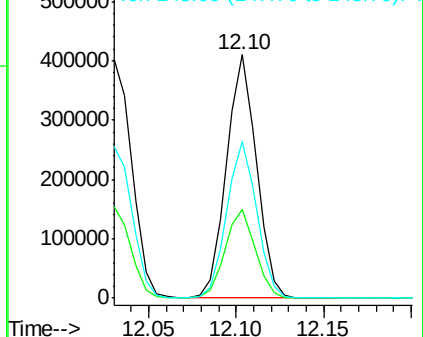
148 64.2 32.0 96.0

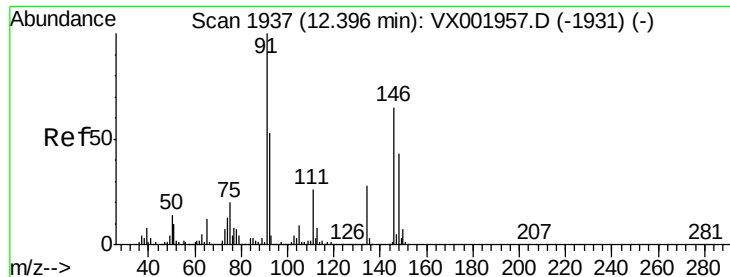


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 61.81 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001958.D

Acq: 24 May 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

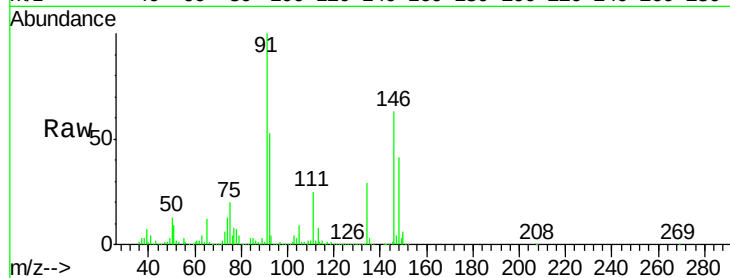
Tgt Ion: 91 Resp: 782103

Ion Ratio Lower Upper

91 100

92 52.8 0.0 105.2

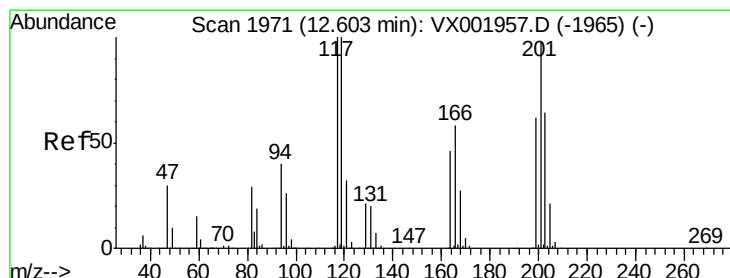
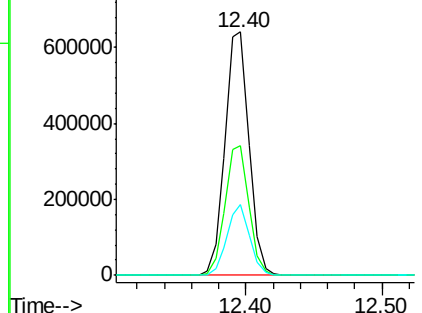
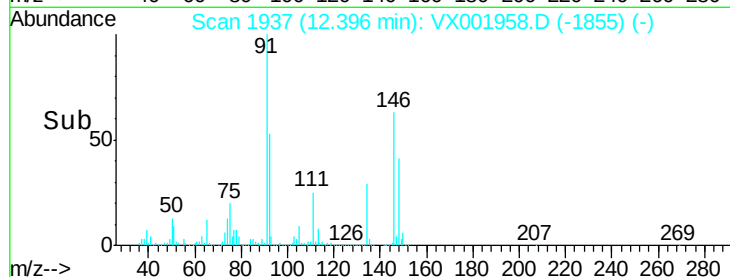
134 27.4 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VX001957.D (-1931) (-)

Ion 92.00 (91.70 to 92.70): VX001957.D (-1931) (-)

Ion 134.00 (133.70 to 134.70): VX001957.D (-1931) (-)



#86

Hexachloroethane

Concen: 68.80 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX001958.D

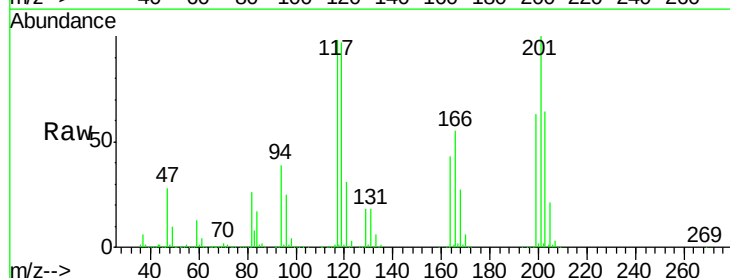
Acq: 24 May 2018 23:25

Tgt Ion: 117 Resp: 182666

Ion Ratio Lower Upper

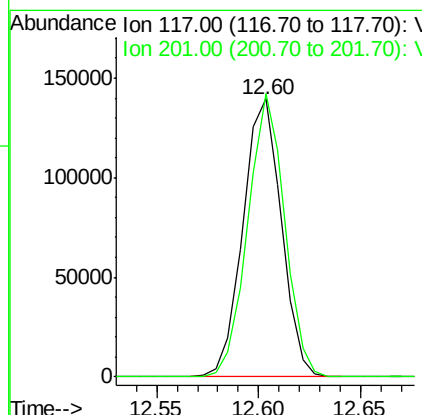
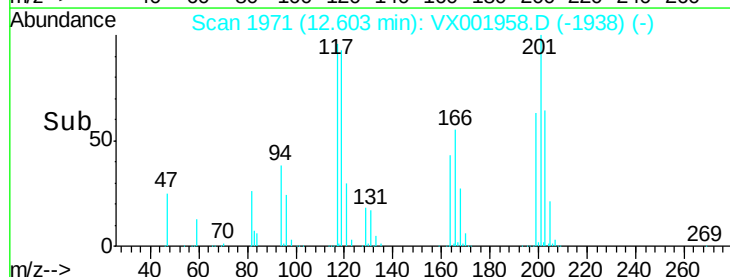
117 100

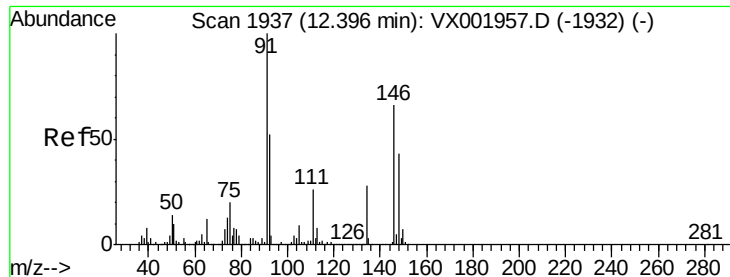
201 97.3 47.6 142.8



Abundance Ion 117.00 (116.70 to 117.70): VX001957.D (-1965) (-)

Ion 201.00 (200.70 to 201.70): VX001957.D (-1965) (-)

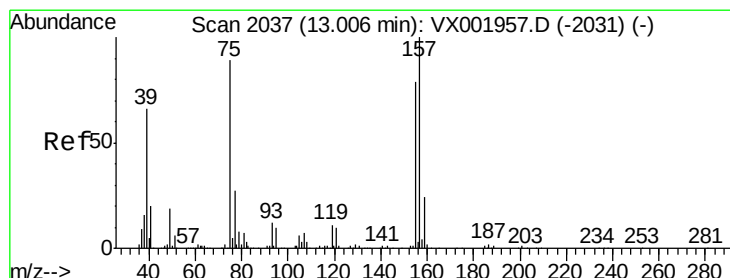
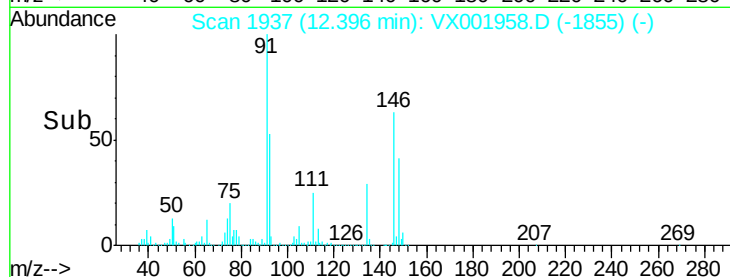
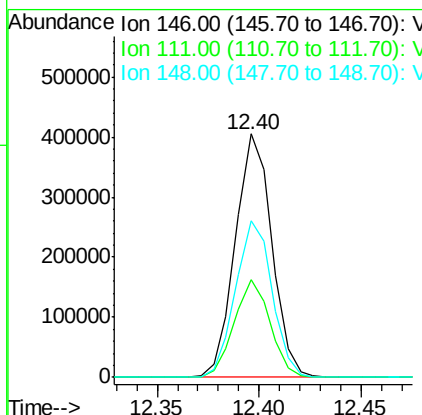
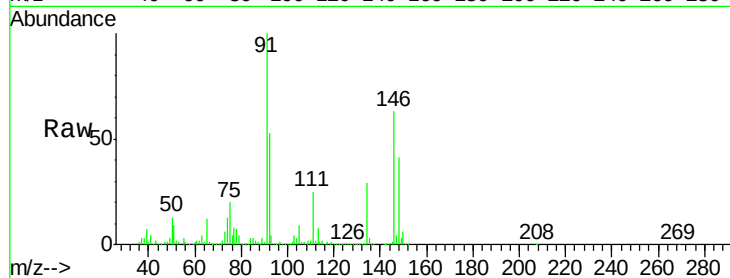




#87
 1,2-Dichlorobenzene
 Concen: 53.27 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

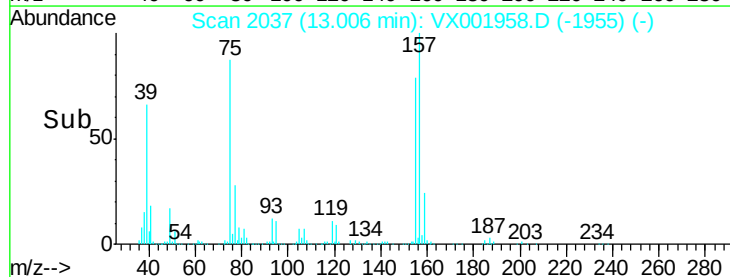
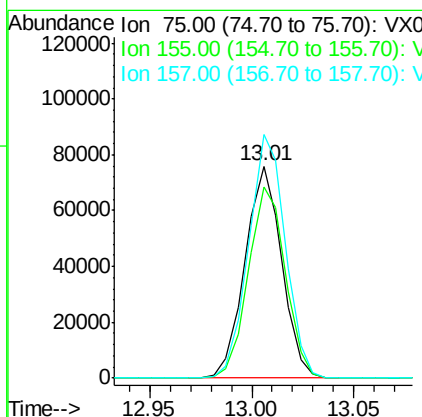
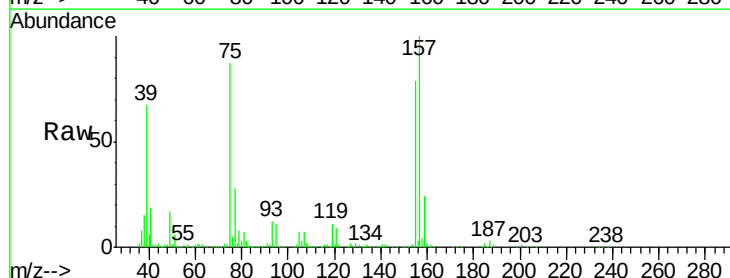
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

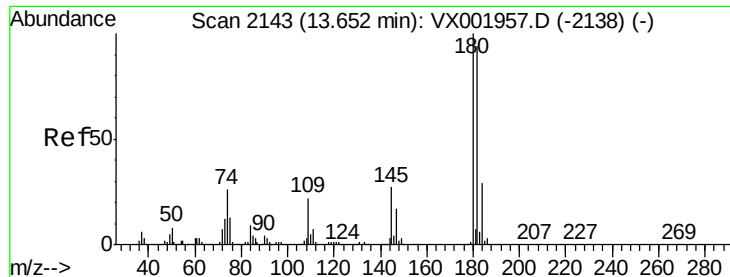
Tgt Ion:146 Resp: 502623
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 64.7 32.8 98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 65.67 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

Tgt Ion: 75 Resp: 94706
 Ion Ratio Lower Upper
 75 100
 155 91.4 73.1 109.7
 157 115.7 93.1 139.7

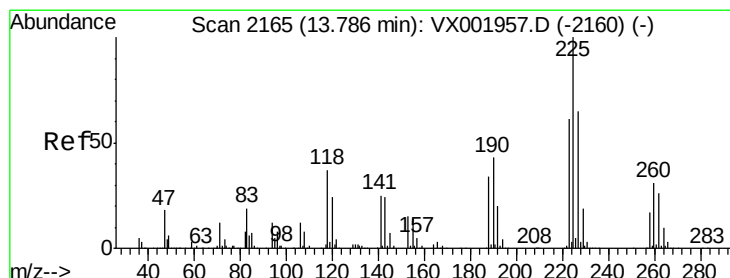
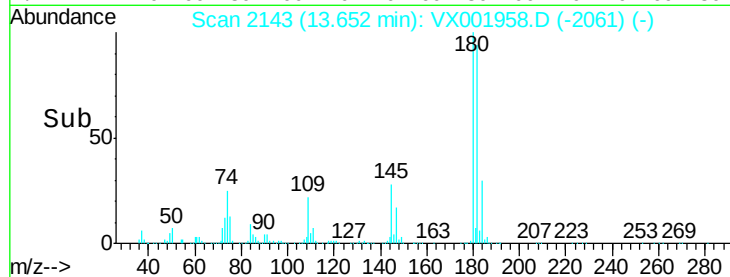
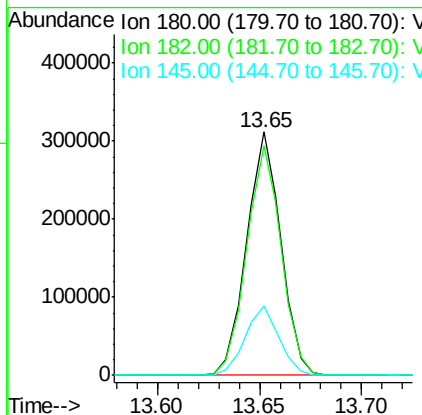
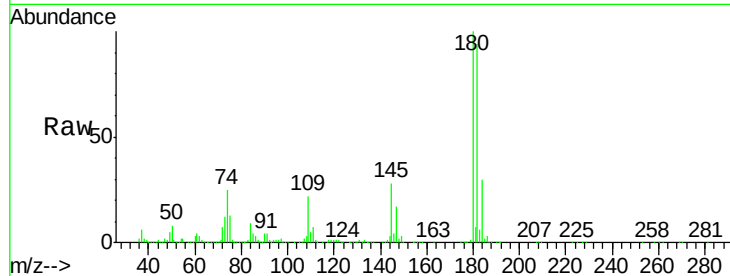




#89
 1,2,4-Trichlorobenzene
 Concen: 54.19 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

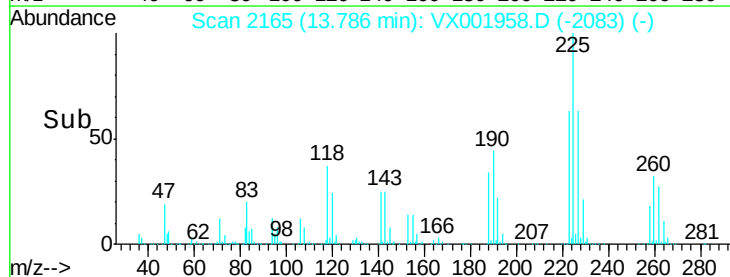
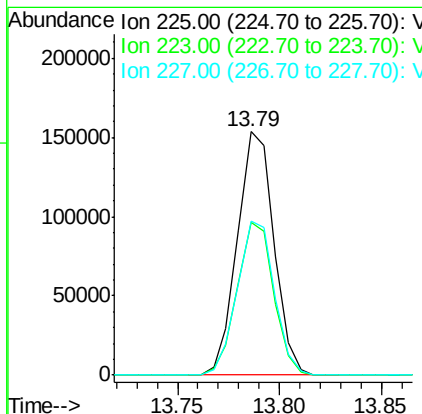
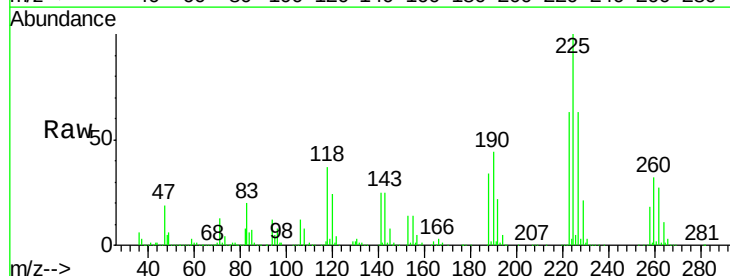
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

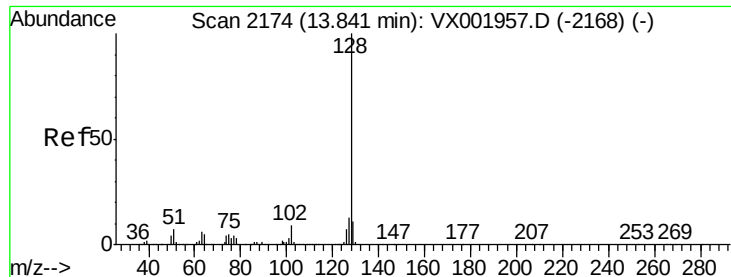
Tgt Ion:180 Resp: 364075
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.4 114.6
 145 28.3 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 55.72 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001958.D
 Acq: 24 May 2018 23:25

Tgt Ion:225 Resp: 191888
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 122.4
 227 64.0 0.0 128.0

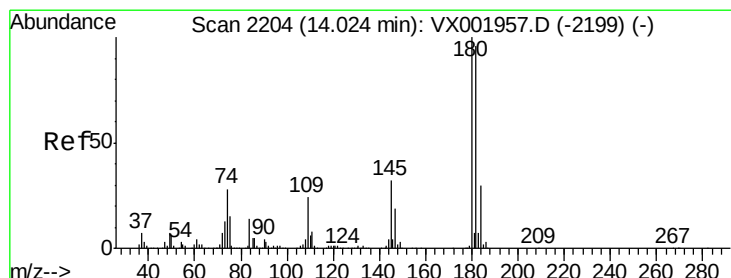
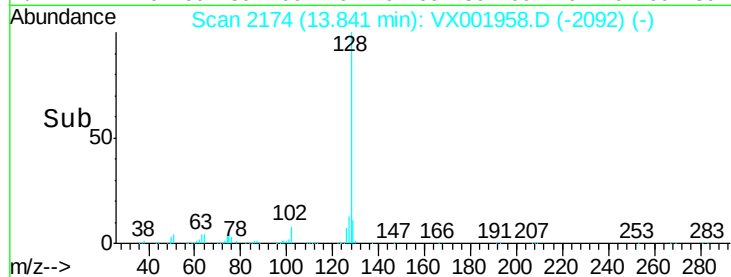
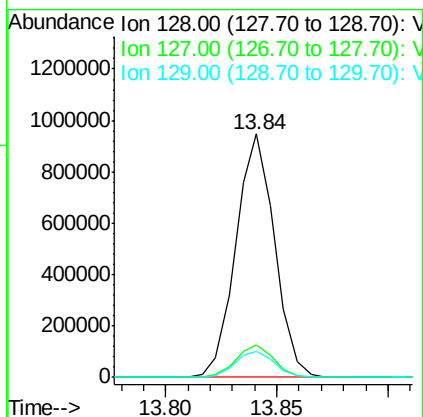
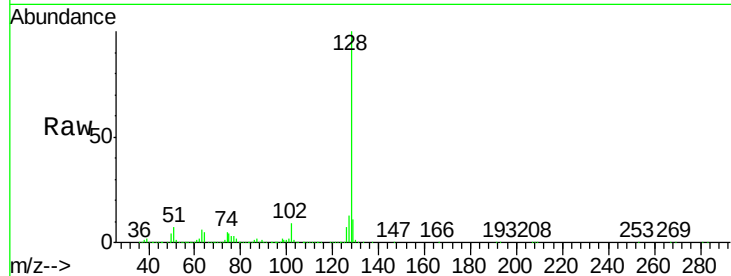




#91
Naphthalene
Concen: 55.66 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 1139306
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 52.88 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001958.D
Acq: 24 May 2018 23:25

Tgt Ion:180 Resp: 375350
Ion Ratio Lower Upper
180 100
182 97.0 0.0 191.0
145 30.2 0.0 60.6

