

Data File : VX001993.D

Acq On : 25 May 2018 23:16

Operator : JC/MD

Sample : VX0525WBSD02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Quant Time: May 26 00:50:11 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	362804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	226201	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	5.51	113	175404	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	8.72	98	633821	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.14	95	241646	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63370	18.80	ug/l	98
3) Chloromethane	1.32	50	77680	20.01	ug/l	99
4) Vinyl Chloride	1.40	62	78101	20.84	ug/l	99
5) Bromomethane	1.64	94	41311	23.44	ug/l	99
6) Chloroethane	1.73	64	51380	23.26	ug/l	99
7) Trichlorofluoromethane	1.93	101	124225	22.07	ug/l	97
8) Diethyl Ether	2.19	74	46908	22.97	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68496	21.81	ug/l	98
10) Methyl Iodide	2.51	142	76504	18.00	ug/l	98
11) Tert butyl alcohol	3.08	59	108974	123.11	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63795	21.70	ug/l	95
13) Acrolein	2.30	56	34752	90.80	ug/l	99
14) Allyl chloride	2.73	41	135251	21.91	ug/l	99
15) Acrylonitrile	3.15	53	213662	117.38	ug/l	99
16) Acetone	2.45	43	202159	116.16	ug/l	100
17) Carbon Disulfide	2.57	76	178821	21.13	ug/l	99
18) Methyl Acetate	2.78	43	112053	26.19	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	256518	23.19	ug/l	100
20) Methylene Chloride	2.86	84	73926	23.65	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	67283	22.64	ug/l	96
22) Diisopropyl ether	3.88	45	267495	21.31	ug/l	99
23) Vinyl Acetate	3.83	43	1174031	112.79	ug/l	98
24) 1,1-Dichloroethane	3.70	63	132323	22.19	ug/l	99
25) 2-Butanone	4.71	43	333431	104.53	ug/l	99
26) 2,2-Dichloropropane	4.59	77	87350	14.47	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	78171	20.39	ug/l	99
28) Bromochloromethane	5.03	49	61770	23.57	ug/l	100
29) Tetrahydrofuran	5.18	42	218431	105.25	ug/l	100
30) Chloroform	5.22	83	134065	19.95	ug/l	98
31) Cyclohexane	5.57	56	119886	19.29	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	123376	19.70	ug/l	100
36) 1,1-Dichloropropene	5.80	75	93962	18.62	ug/l	98
37) Ethyl Acetate	4.87	43	130462	19.83	ug/l	98
38) Carbon Tetrachloride	5.79	117	111585	18.96	ug/l	97

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ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Quant Time: May 26 00:50:11 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116012	18.71	ug/l	96
40) Benzene	6.15	78	293562	19.86	ug/l	99
41) Methacrylonitrile	5.07	41	72971	20.21	ug/l	100
42) 1,2-Dichloroethane	6.20	62	116131	19.66	ug/l	99
43) Isopropyl Acetate	6.48	43	221380	20.19	ug/l	100
44) Trichloroethene	7.22	130	82102	19.06	ug/l	100
45) 1,2-Dichloropropane	7.53	63	80800	20.12	ug/l	100
46) Dibromomethane	7.67	93	53795	20.24	ug/l	99
47) Bromodichloromethane	7.90	83	108793	19.19	ug/l	98
48) Methyl methacrylate	7.78	41	112084	20.09	ug/l	99
49) 1,4-Dioxane	7.76	88	42312	430.36	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	702235	106.27	ug/l	98
52) Toluene	8.79	92	183273	19.48	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	121840	18.66	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	116466	18.31	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	78222	19.90	ug/l	100
56) Ethyl methacrylate	9.19	69	130637	19.32	ug/l	98
57) 1,3-Dichloropropane	9.38	76	132034	20.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	314669	105.01	ug/l	99
59) 2-Hexanone	9.50	43	531823	104.37	ug/l	99
60) Dibromochloromethane	9.59	129	89978	19.33	ug/l	99
61) 1,2-Dibromoethane	9.68	107	82576	20.02	ug/l	98
64) Tetrachloroethene	9.34	164	93084	19.42	ug/l	98
65) Chlorobenzene	10.14	112	206078	19.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	82200	19.22	ug/l	100
67) Ethyl Benzene	10.26	91	357221	19.41	ug/l	100
68) m/p-Xylenes	10.37	106	270929	38.51	ug/l	100
69) o-Xylene	10.70	106	136050	19.37	ug/l	98
70) Styrene	10.72	104	223238	19.16	ug/l	100
71) Bromoform	10.86	173	74661	18.41	ug/l	100
73) Isopropylbenzene	11.02	105	363121	19.94	ug/l	100
74) N-amyl acetate	6.48	43	221380	21.65	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	113053	21.99	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	140199	27.15	ug/l	81
77) Bromobenzene	11.26	156	96244	19.92	ug/l	98
78) n-propylbenzene	11.37	91	401647	19.70	ug/l	100
79) 2-Chlorotoluene	11.43	91	242947	20.35	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	305139	19.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	35227	16.39	ug/l	96
82) 4-Chlorotoluene	11.51	91	281395	19.56	ug/l	100
83) tert-Butylbenzene	11.77	119	300386	19.67	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	314600	19.56	ug/l	99
85) sec-Butylbenzene	11.95	105	360464	19.64	ug/l	100
86) p-Isopropyltoluene	12.07	119	319330	19.44	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	166067	19.20	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	168108	19.44	ug/l	99
89) n-Butylbenzene	12.39	91	260068	18.69	ug/l	100
90) Hexachloroethane	12.60	117	58826	18.16	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	175578	19.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	31642	19.55	ug/l	98

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

Data File : VX001993.D
Acq On : 25 May 2018 23:16
Operator : JC/MD
Sample : VX0525WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Quant Time: May 26 00:50:11 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

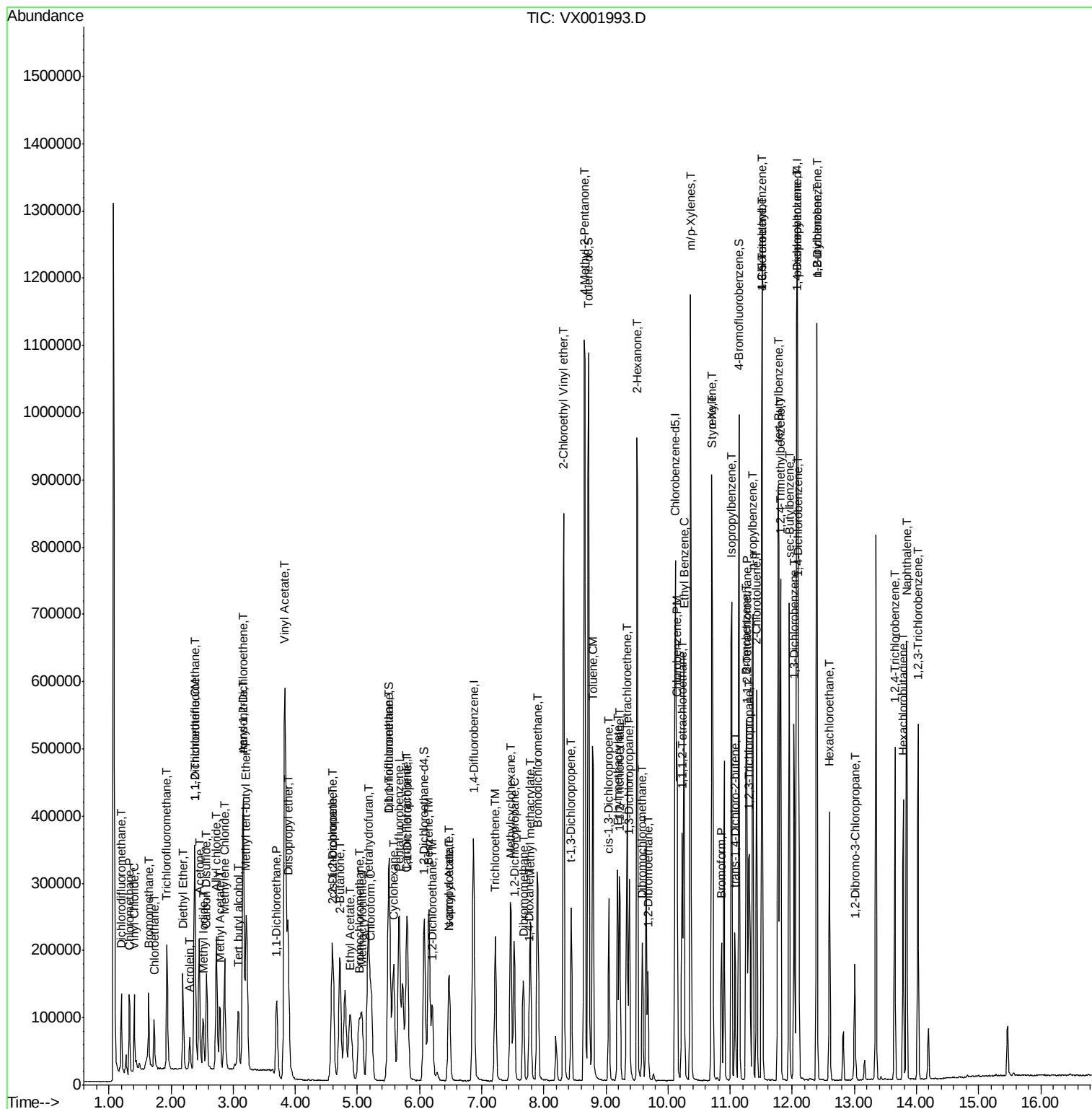
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121503	19.28	ug/l	99
94) Hexachlorobutadiene	13.79	225	63130	18.62	ug/l	99
95) Naphthalene	13.84	128	393224	20.25	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	127824	19.60	ug/l	99

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

ALS Vial : 30 Sample Multiplier: 1

VX0525WBSD02

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

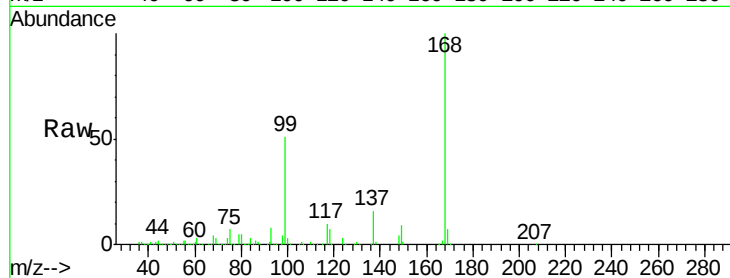
VX0525WBSD02

Tgt Ion:168 Resp: 252274

Ion Ratio Lower Upper

168 100

99 50.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

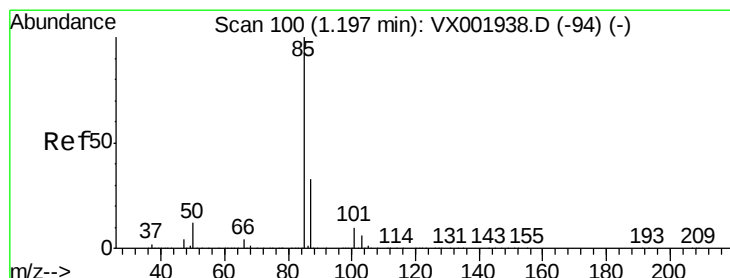
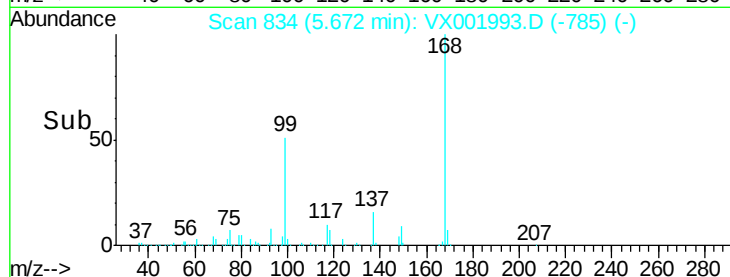
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.80 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001993.D

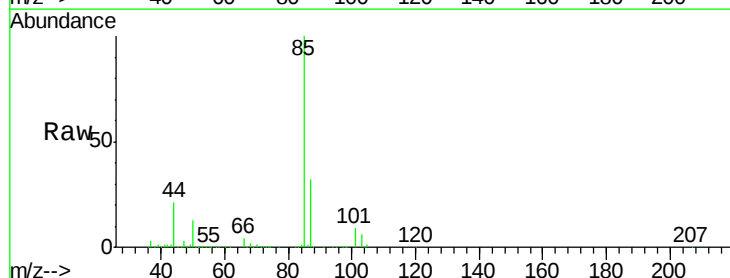
Acq: 25 May 2018 23:16

Tgt Ion: 85 Resp: 63370

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

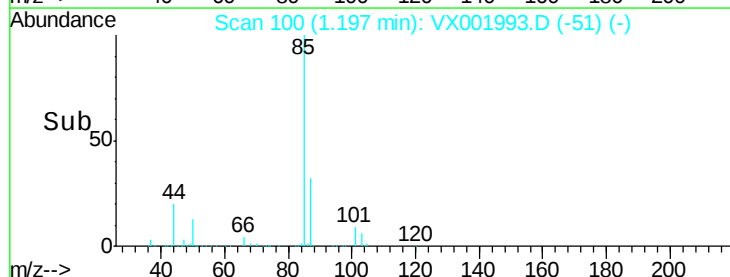
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

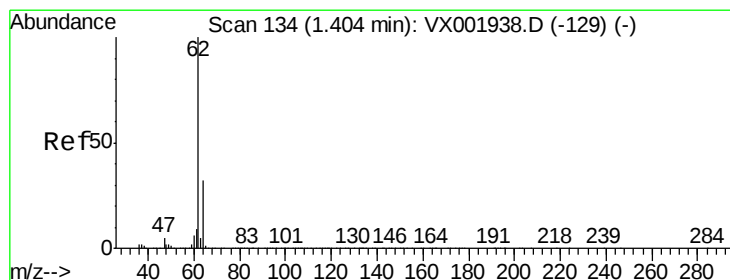
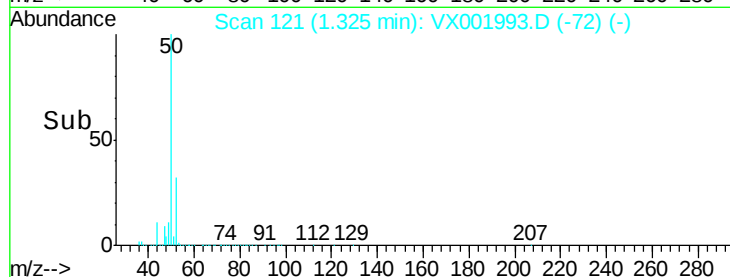
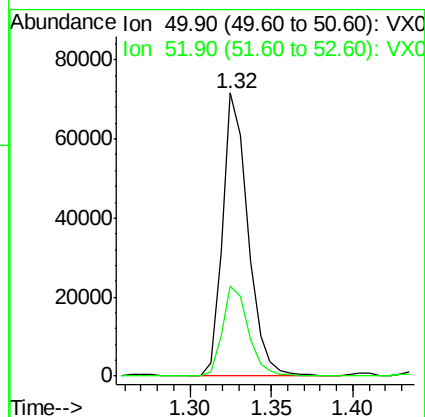
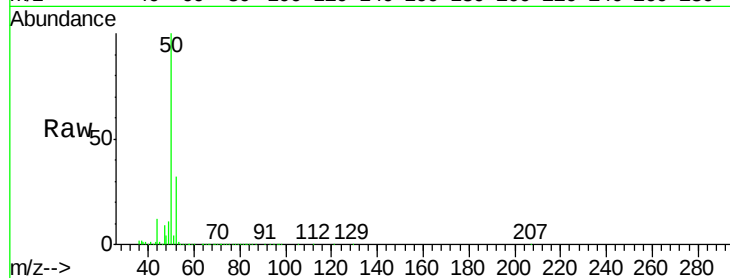
VX0525WBSD02

Tgt Ion: 50 Resp: 77680

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0



#4

Vinyl Chloride

Concen: 20.84 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001993.D

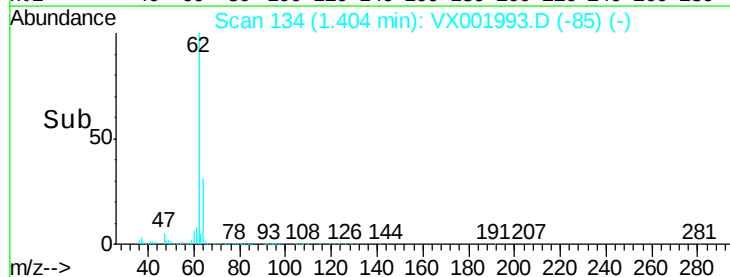
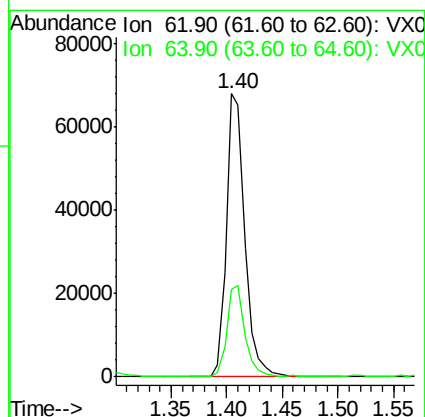
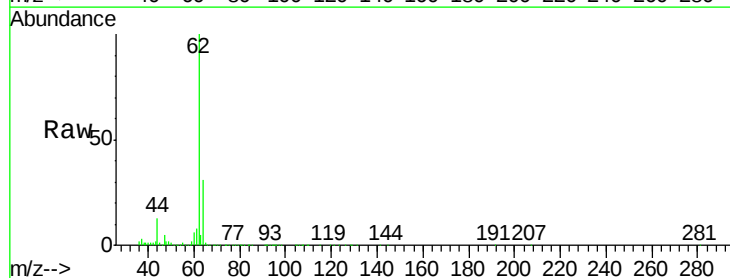
Acq: 25 May 2018 23:16

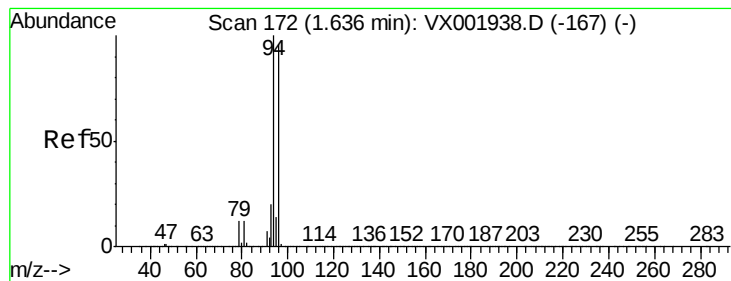
Tgt Ion: 62 Resp: 78101

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 23.44 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

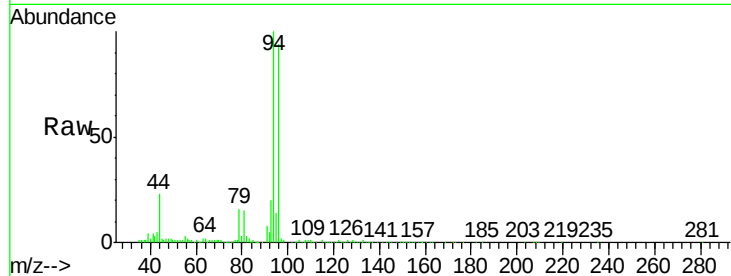
VX0525WBSD02

Tgt Ion: 94 Resp: 41311

Ion Ratio Lower Upper

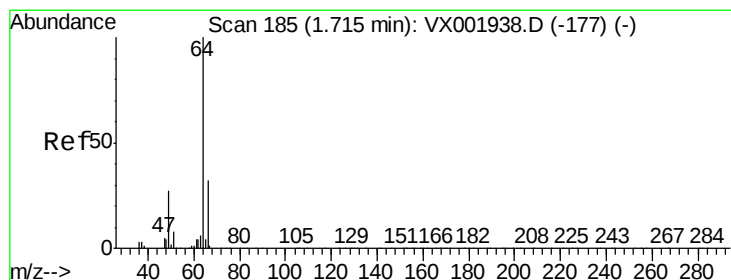
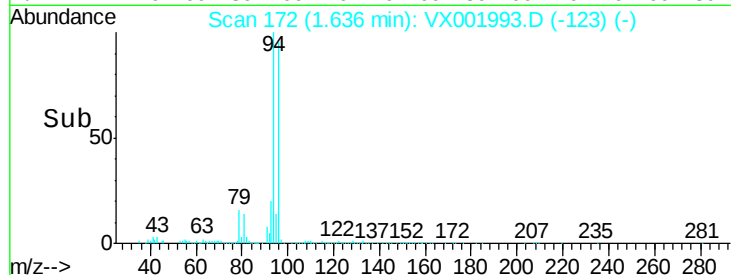
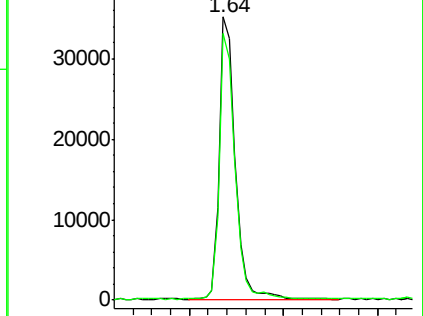
94 100

96 94.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.26 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001993.D

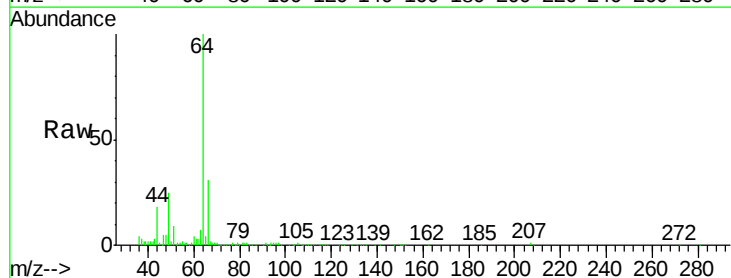
Acq: 25 May 2018 23:16

Tgt Ion: 64 Resp: 51380

Ion Ratio Lower Upper

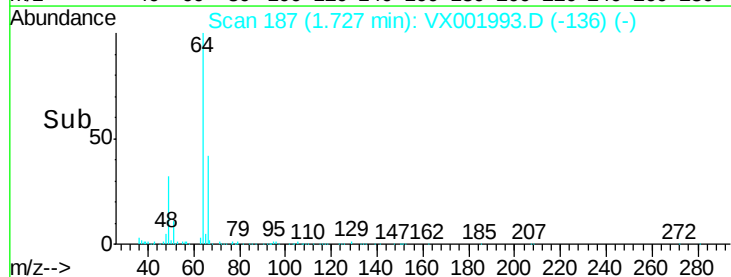
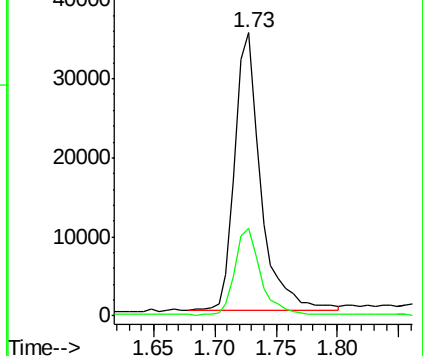
64 100

66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



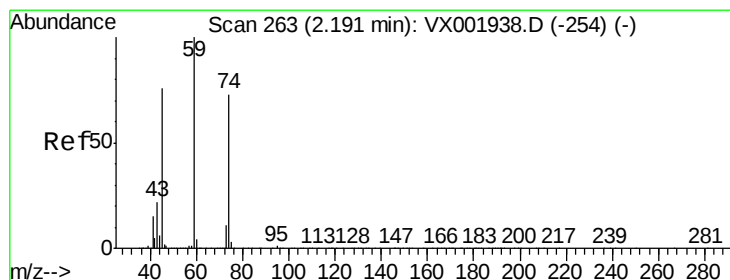
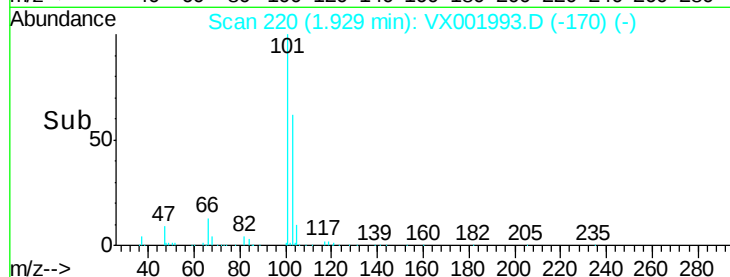
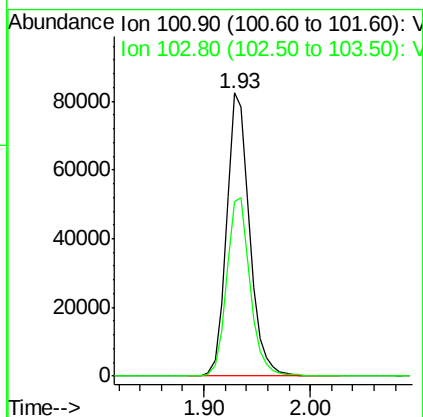
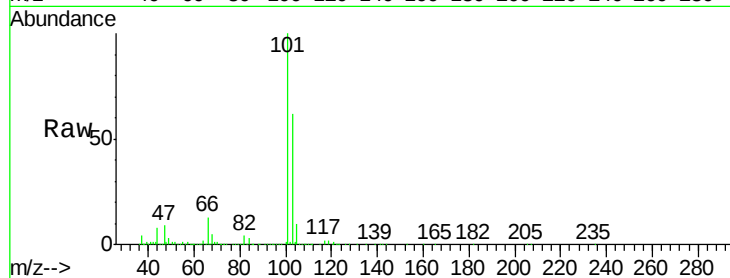


#7

Trichlorofluoromethane
Concen: 22.07 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

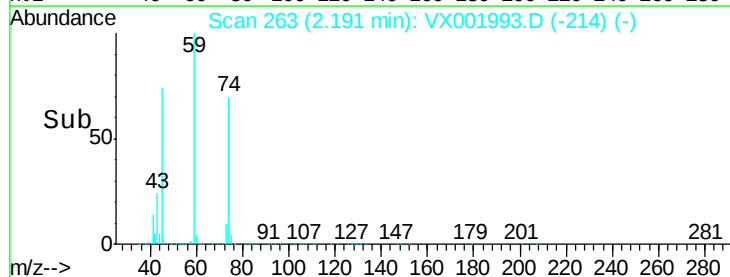
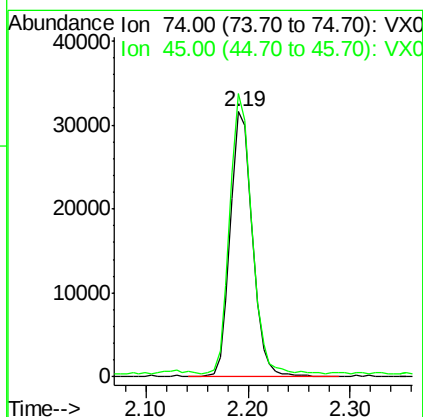
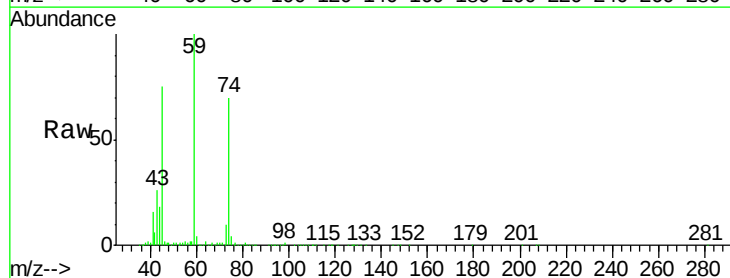
Tgt Ion:101 Resp: 124225
Ion Ratio Lower Upper
101 100
103 61.8 51.4 77.0



#8

Diethyl Ether
Concen: 22.97 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion: 74 Resp: 46908
Ion Ratio Lower Upper
74 100
45 106.1 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.81 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

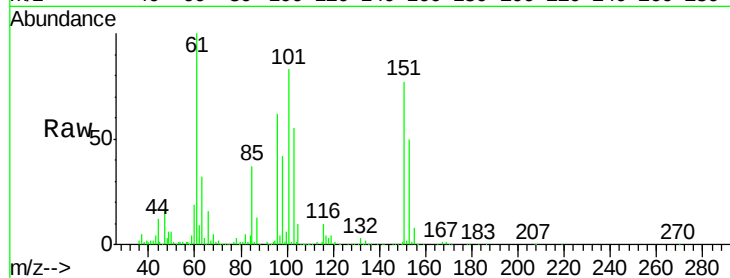
Tgt Ion:101 Resp: 68496

Ion Ratio Lower Upper

101 100

85 43.3 35.6 53.4

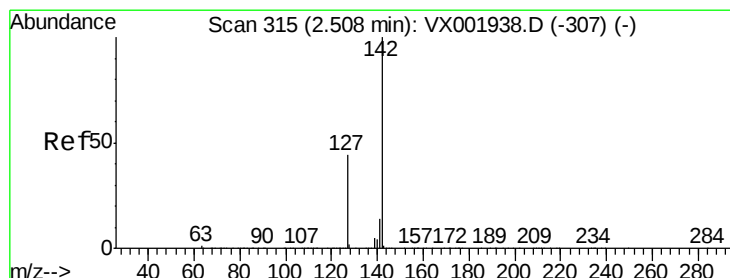
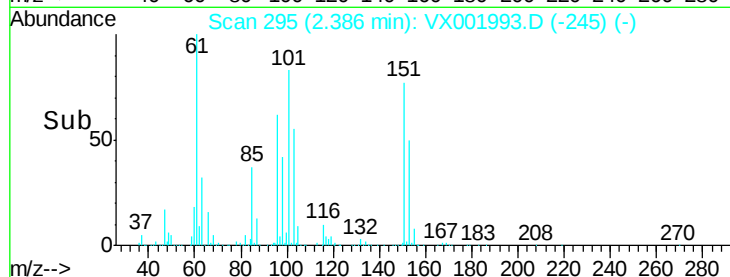
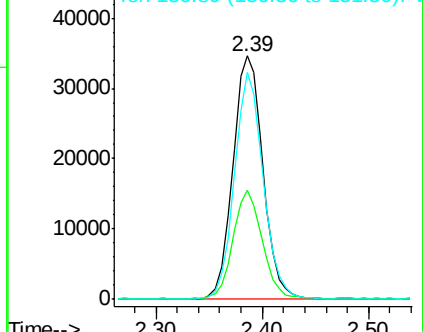
151 89.8 73.2 109.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.00 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

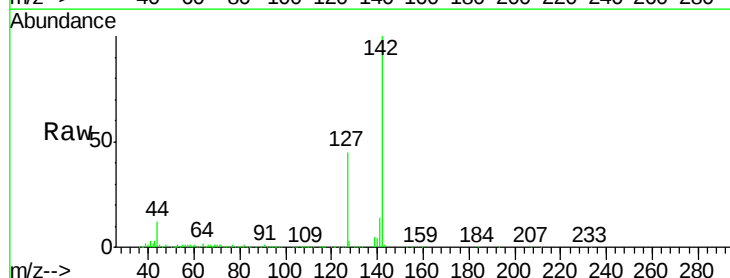
Tgt Ion:142 Resp: 76504

Ion Ratio Lower Upper

142 100

127 46.1 35.5 53.3

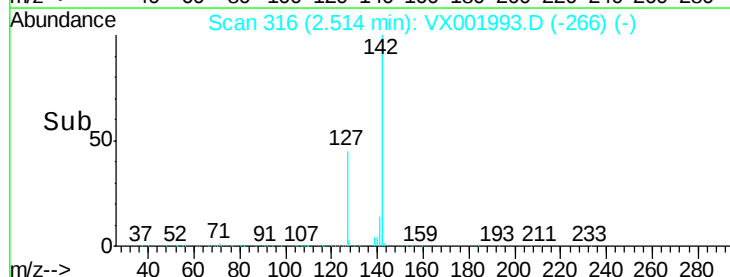
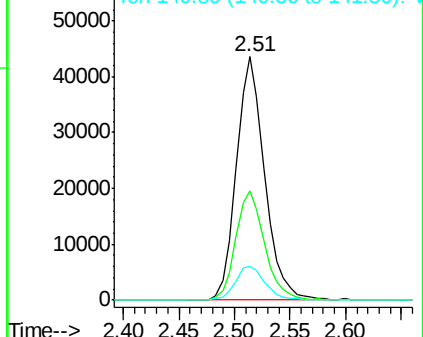
141 14.8 11.3 16.9

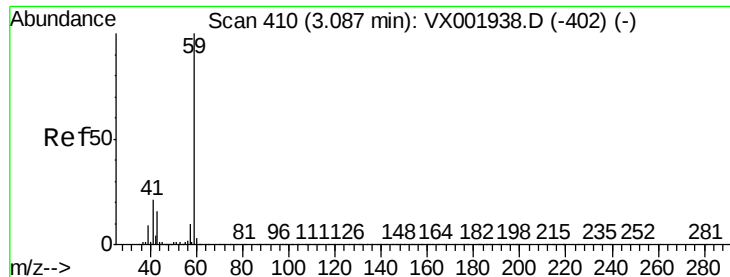


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 123.11 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

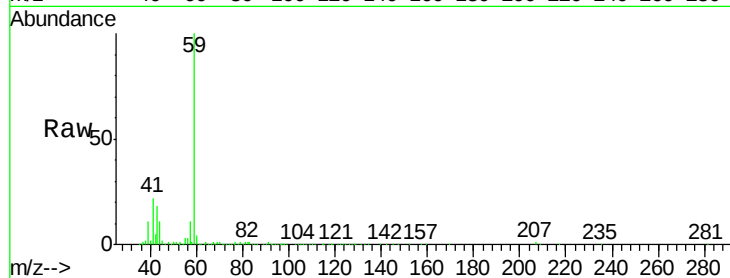
VX0525WBSD02

Tgt Ion: 59 Resp: 108974

Ion Ratio Lower Upper

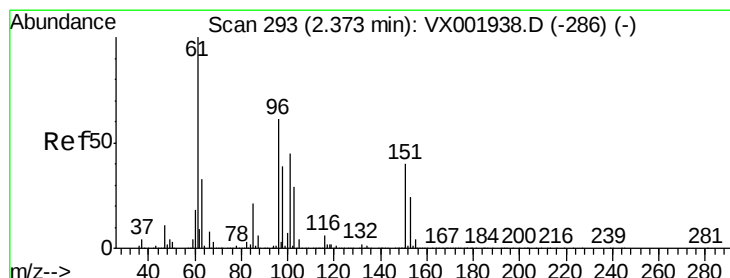
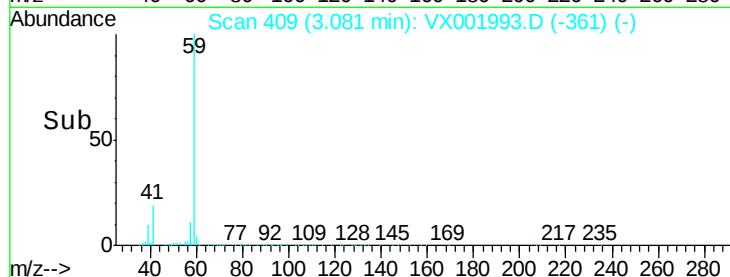
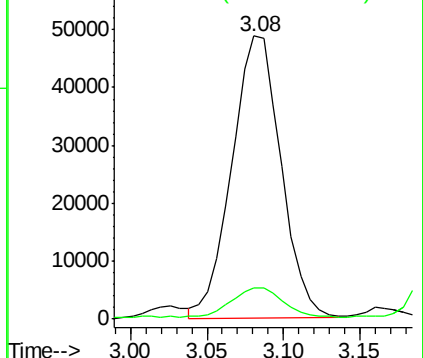
59 100

57 10.6 8.9 13.3



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 21.70 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

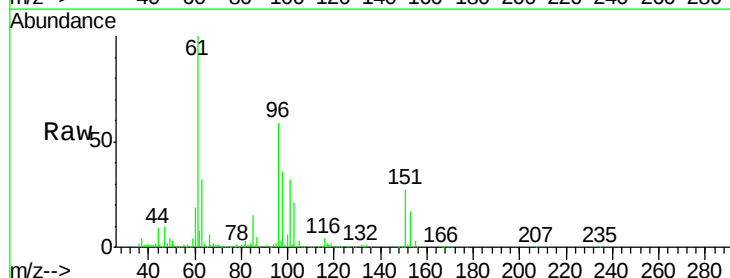
Tgt Ion: 96 Resp: 63795

Ion Ratio Lower Upper

96 100

61 170.7 131.7 197.5

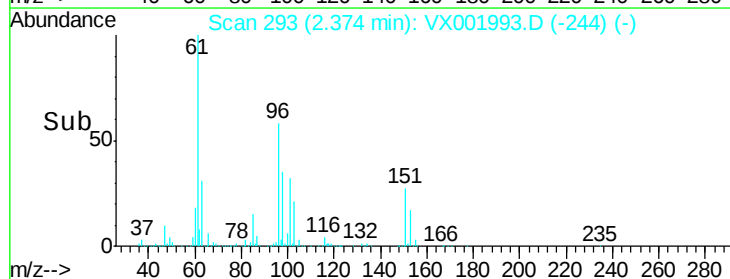
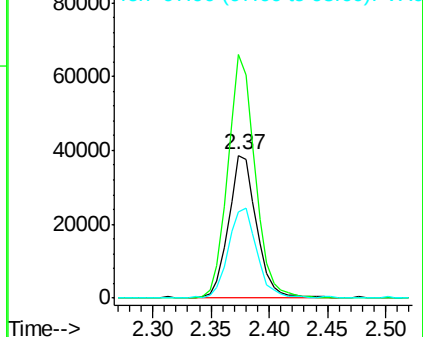
98 60.5 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 90.80 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

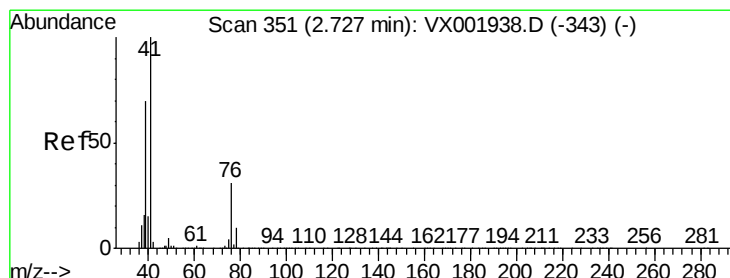
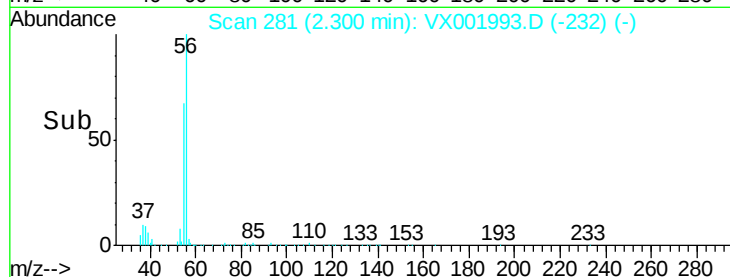
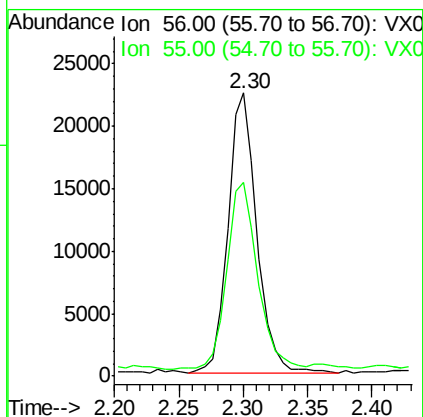
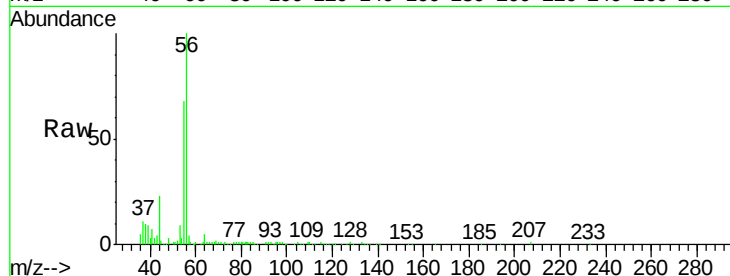
VX0525WBSD02

Tgt Ion: 56 Resp: 34752

Ion Ratio Lower Upper

56 100

55 71.8 56.8 85.2



#14

Allyl chloride

Concen: 21.91 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

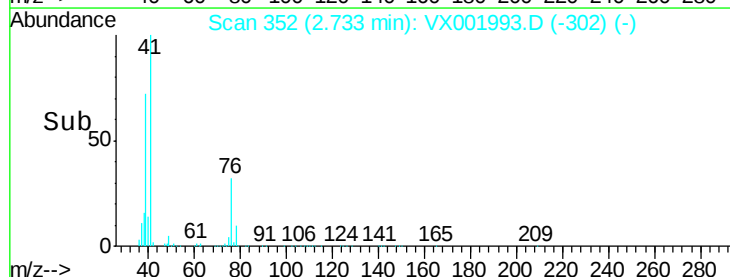
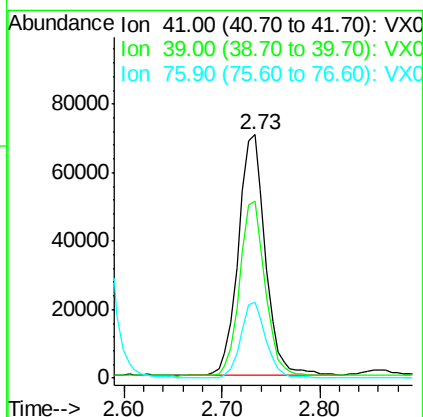
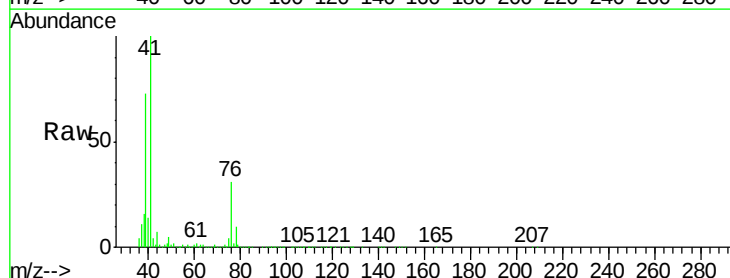
Tgt Ion: 41 Resp: 135251

Ion Ratio Lower Upper

41 100

39 68.1 54.3 81.5

76 29.1 24.2 36.4





#15

Acrylonitrile

Concen: 117.38 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

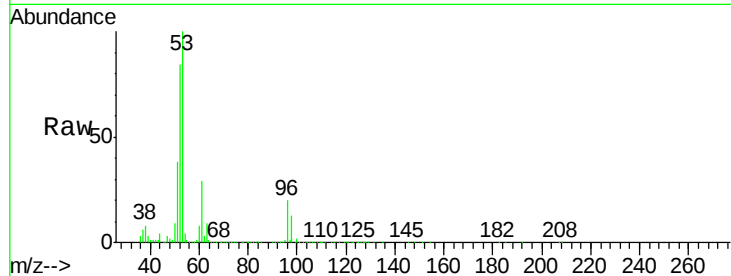
Tgt Ion: 53 Resp: 213662

Ion Ratio Lower Upper

53 100

52 84.1 66.4 99.6

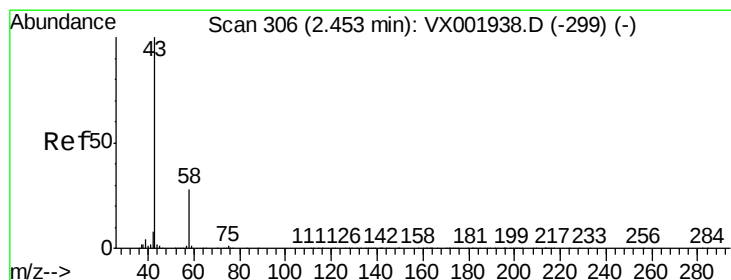
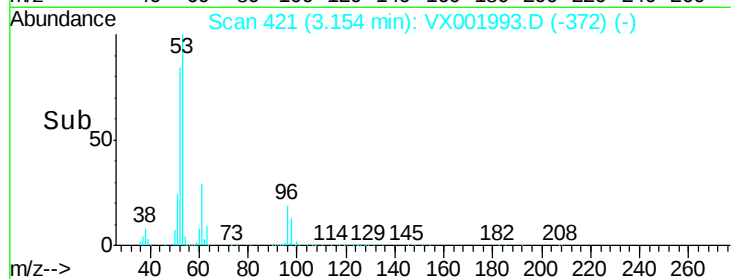
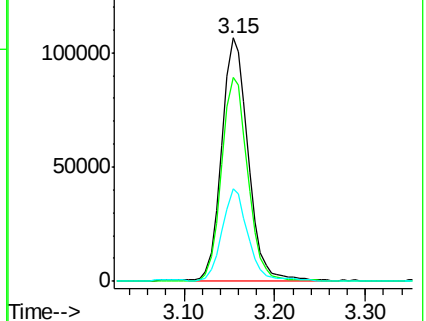
51 37.1 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 116.16 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001993.D

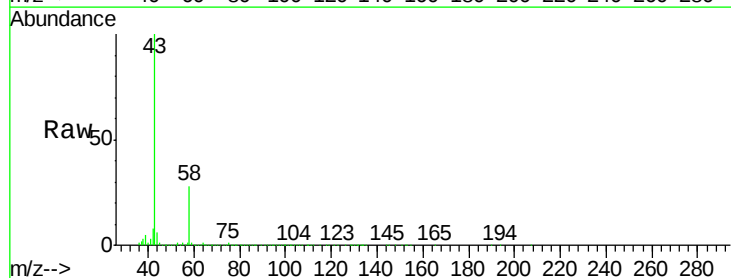
Acq: 25 May 2018 23:16

Tgt Ion: 43 Resp: 202159

Ion Ratio Lower Upper

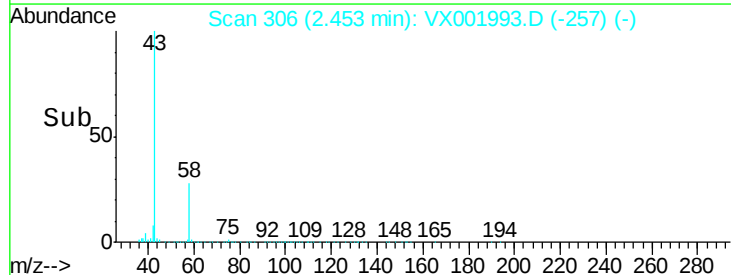
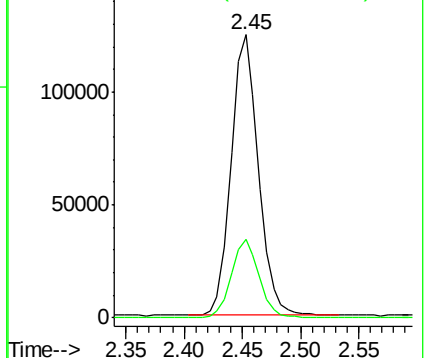
43 100

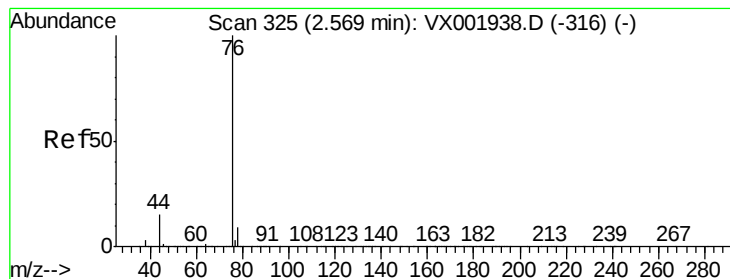
58 27.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 21.13 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

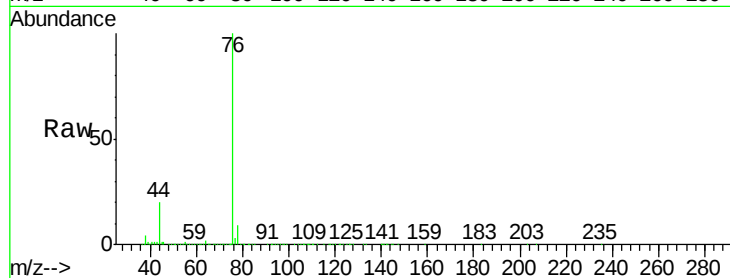
VX0525WBSD02

Tgt Ion: 76 Resp: 178821

Ion Ratio Lower Upper

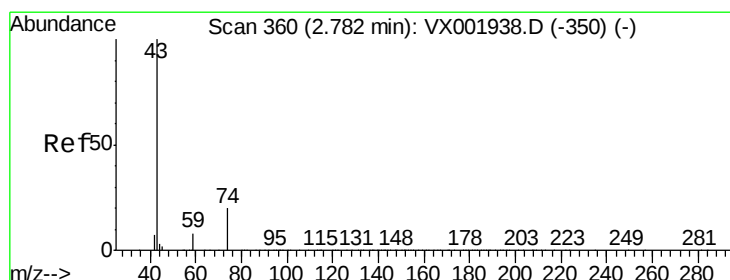
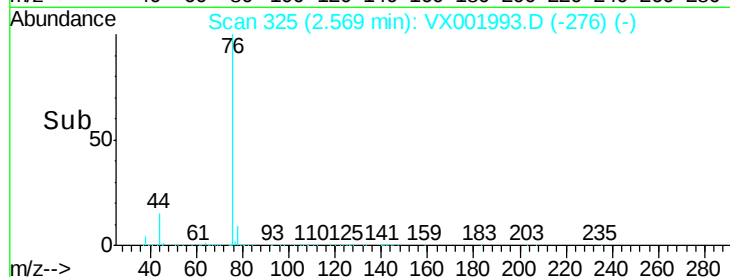
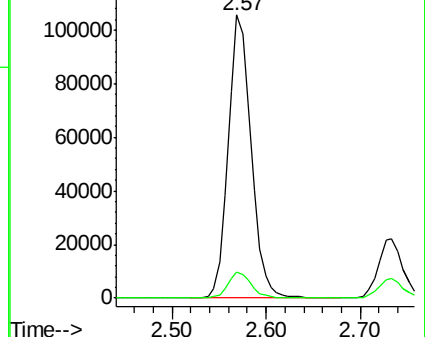
76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.19 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001993.D

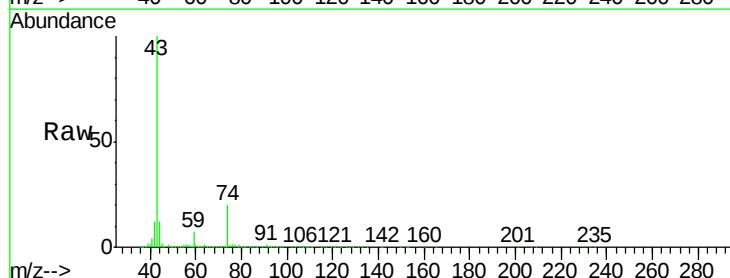
Acq: 25 May 2018 23:16

Tgt Ion: 43 Resp: 112053

Ion Ratio Lower Upper

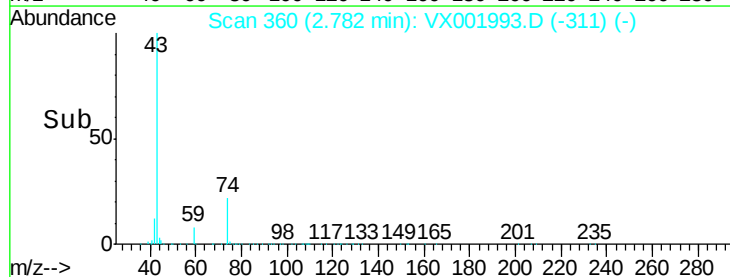
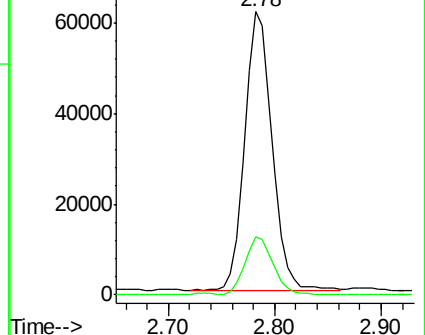
43 100

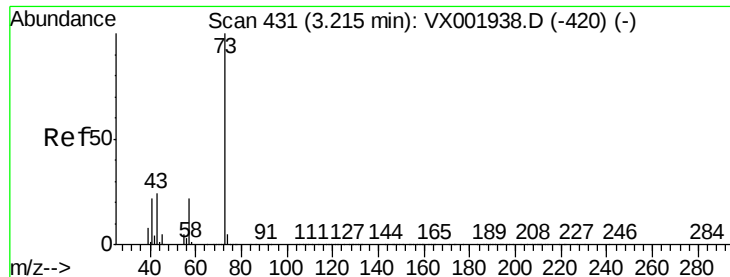
74 20.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 23.19 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

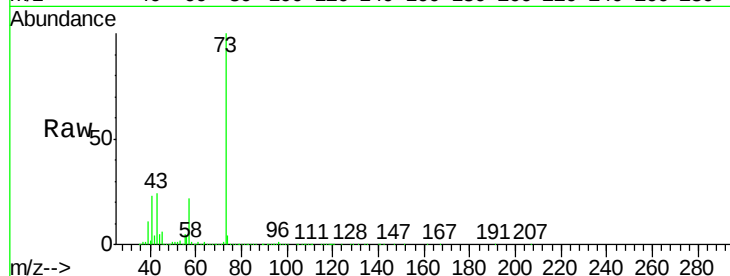
VX0525WBSD02

Tgt Ion: 73 Resp: 256518

Ion Ratio Lower Upper

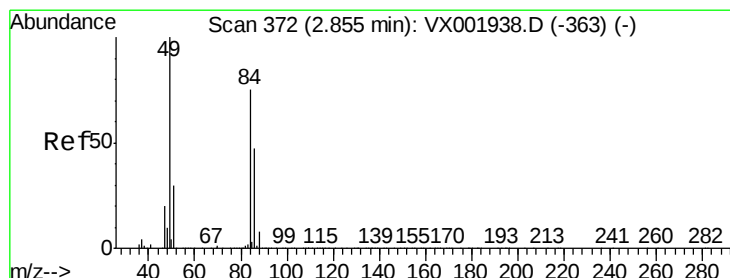
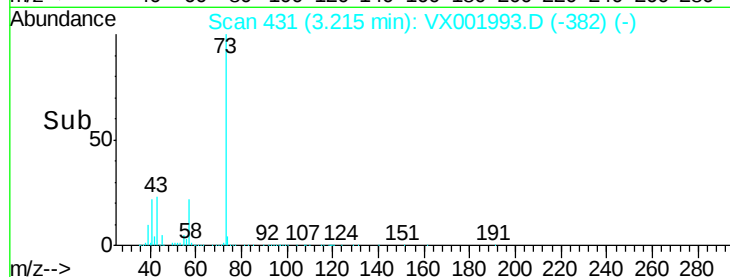
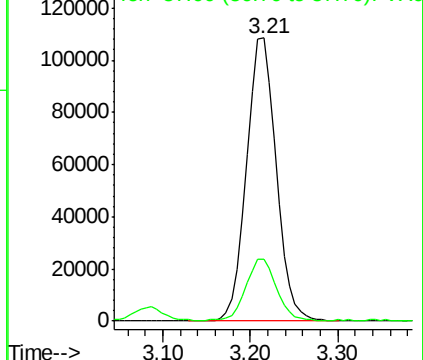
73 100

57 21.7 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 23.65 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Tgt Ion: 84 Resp: 73926

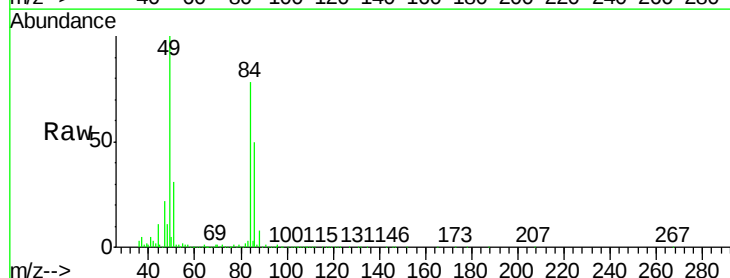
Ion Ratio Lower Upper

84 100

49 128.7 107.2 160.8

51 39.9 32.4 48.6

86 64.4 50.4 75.6

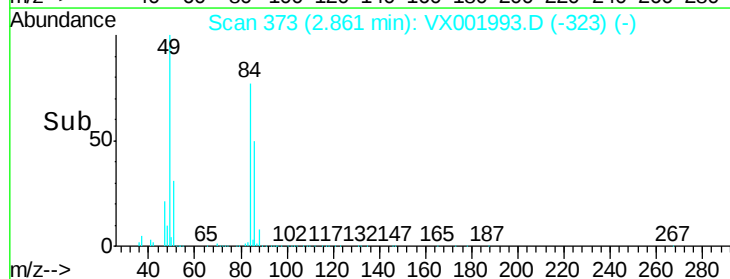
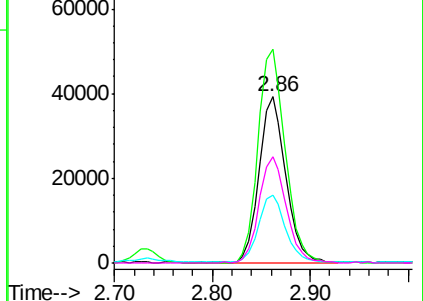


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 22.64 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

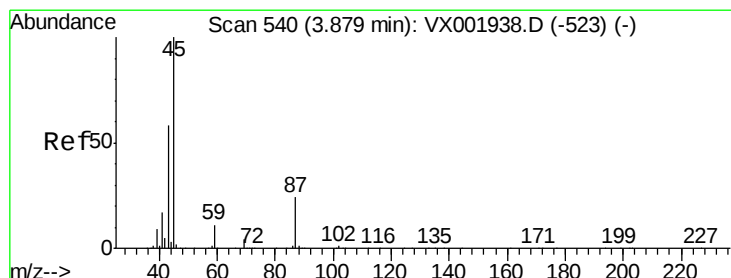
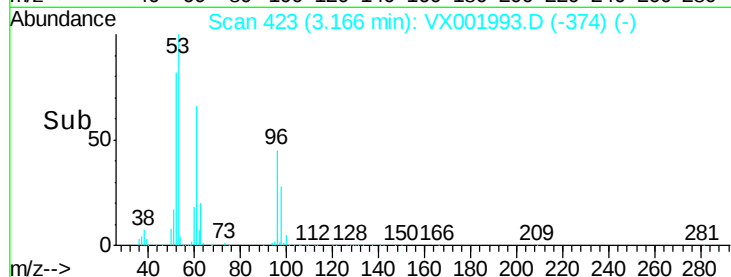
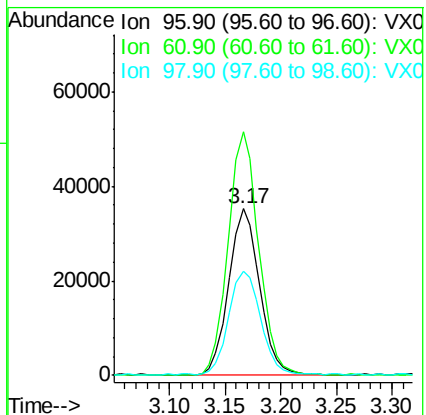
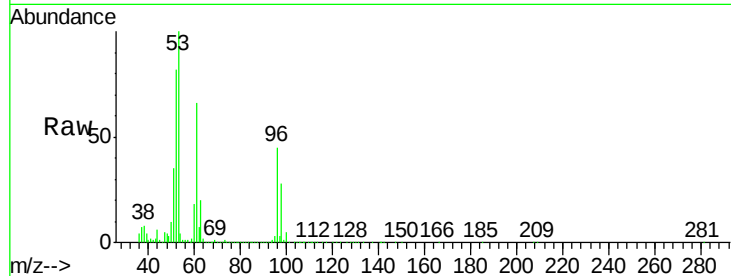
Tgt Ion: 96 Resp: 67283

Ion Ratio Lower Upper

96 100

61 146.6 113.3 169.9

98 62.5 51.7 77.5



#22

Diisopropyl ether

Concen: 21.31 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Tgt Ion: 45 Resp: 267495

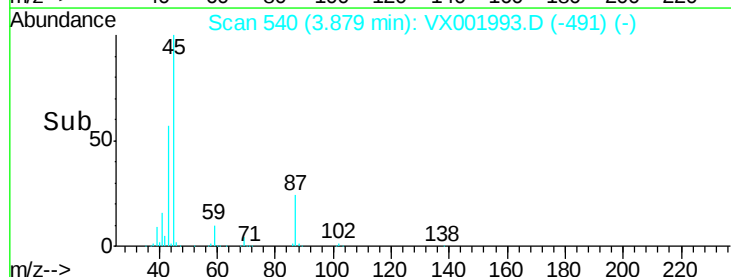
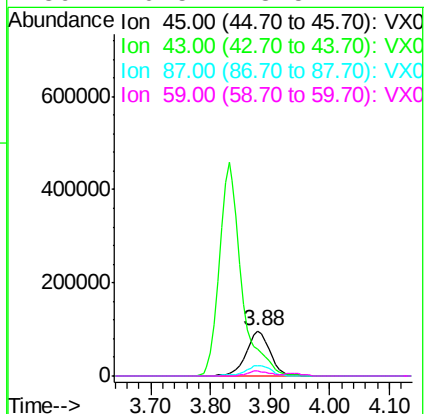
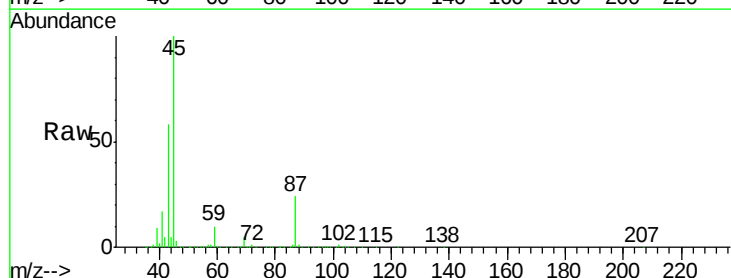
Ion Ratio Lower Upper

45 100

43 57.7 47.0 70.6

87 24.2 19.4 29.0

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 112.79 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

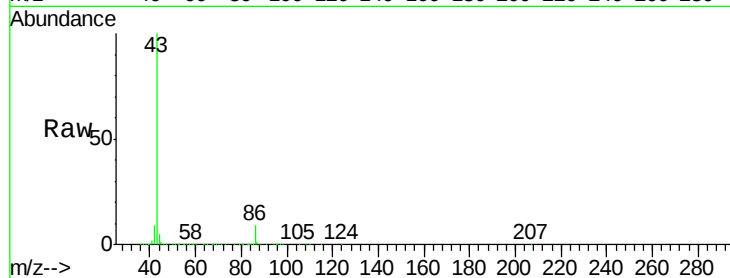
VX0525WBSD02

Tgt Ion: 43 Resp: 1174031

Ion Ratio Lower Upper

43 100

86 8.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

500000

400000

300000

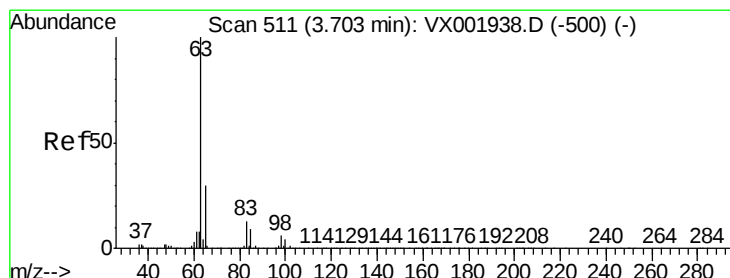
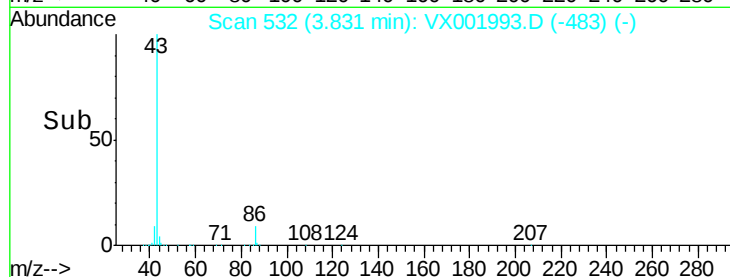
200000

100000

0

Time-->

3.70 3.80 3.90 4.00 4.10



#24

1,1-Dichloroethane

Concen: 22.19 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

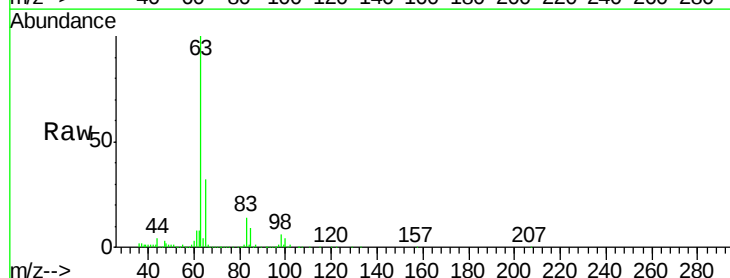
Tgt Ion: 63 Resp: 132323

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 3.9 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

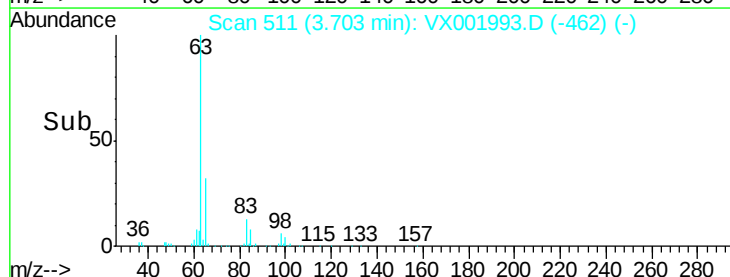
40000

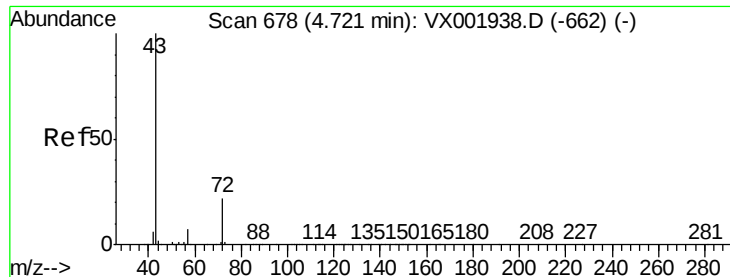
20000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 104.53 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

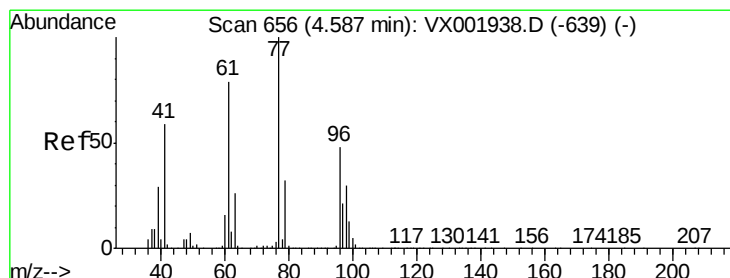
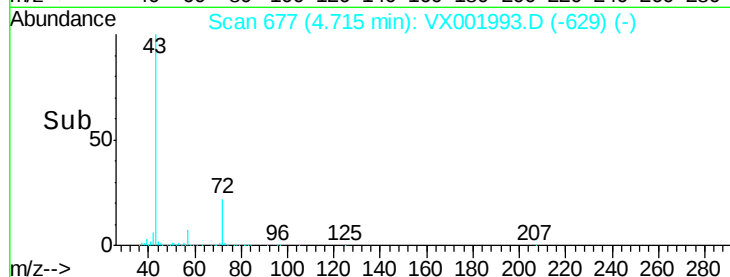
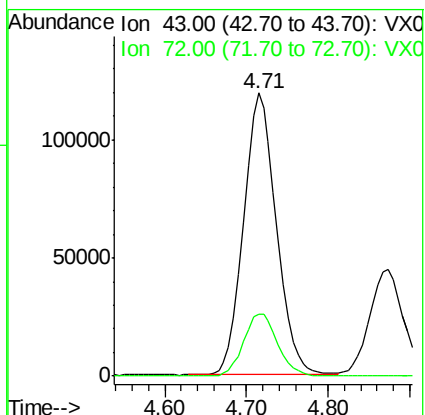
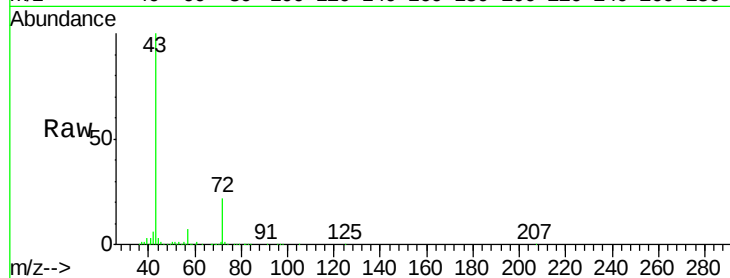
VX0525WBSD02

Tgt Ion: 43 Resp: 333431

Ion Ratio Lower Upper

43 100

72 22.0 17.9 26.9



#26

2,2-Dichloropropane

Concen: 14.47 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001993.D

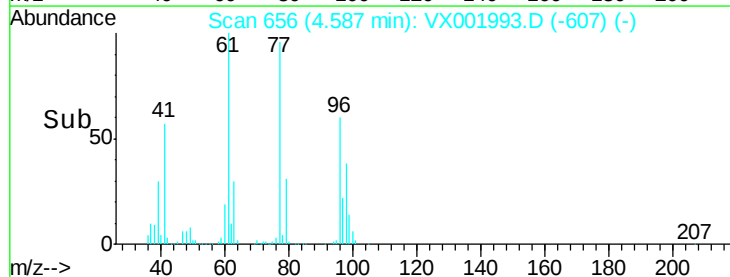
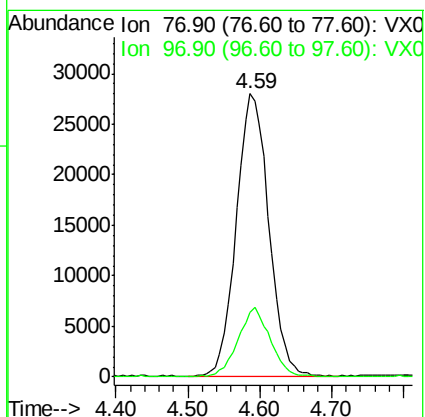
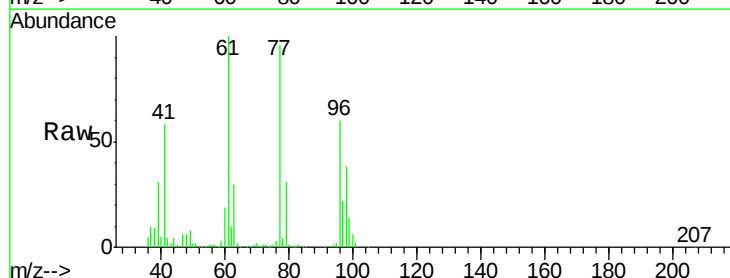
Acq: 25 May 2018 23:16

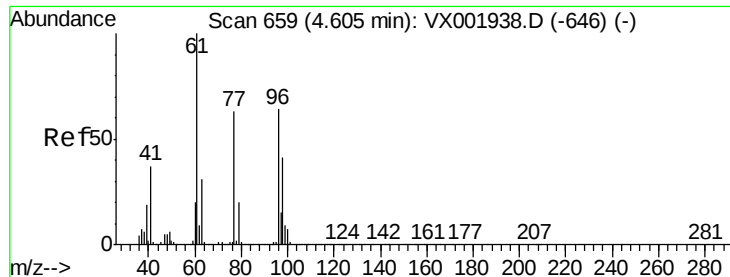
Tgt Ion: 77 Resp: 87350

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5



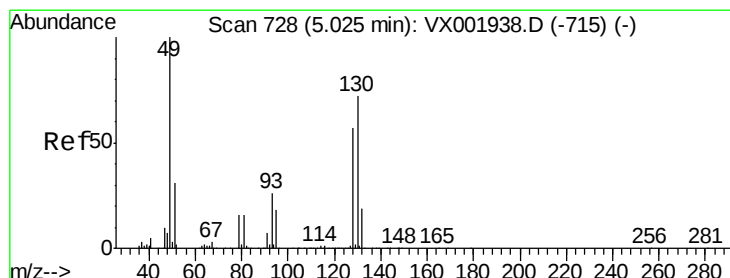
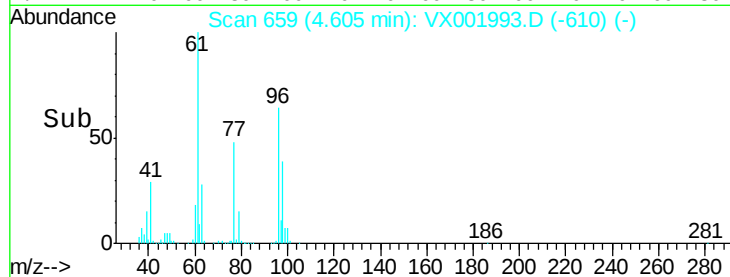
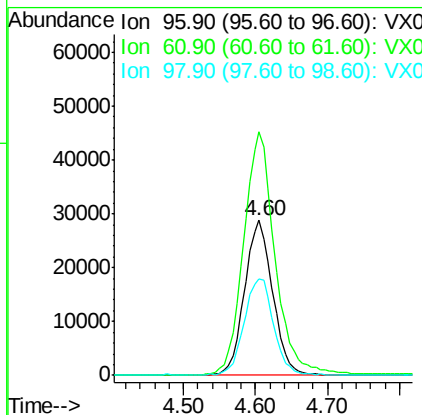
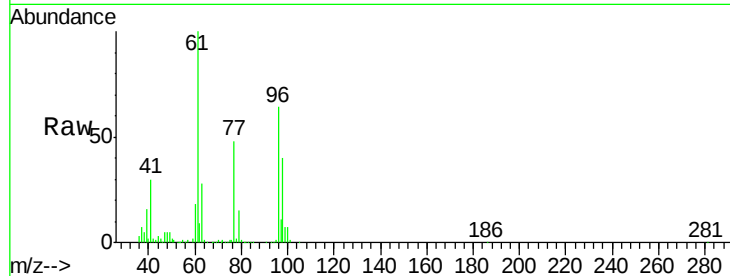


#27

cis-1,2-Dichloroethene
 Concen: 20.39 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

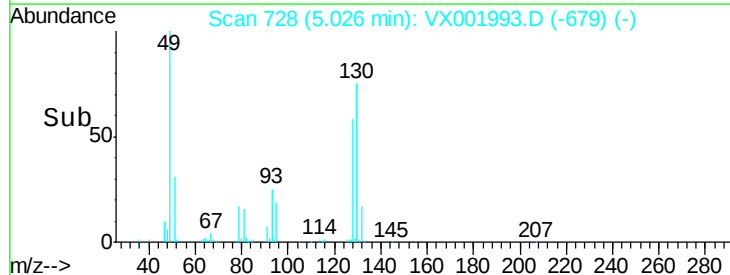
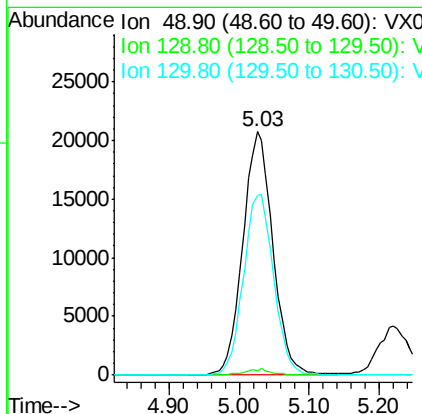
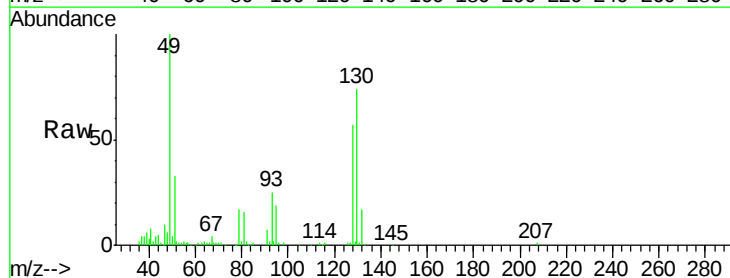
Tgt Ion: 96 Resp: 78171
 Ion Ratio Lower Upper
 96 100
 61 176.9 0.0 348.4
 98 64.2 0.0 128.6



#28

Bromochloromethane
 Concen: 23.57 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion: 49 Resp: 61770
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 74.5 59.4 89.2





#29

Tetrahydrofuran

Concen: 105.25 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

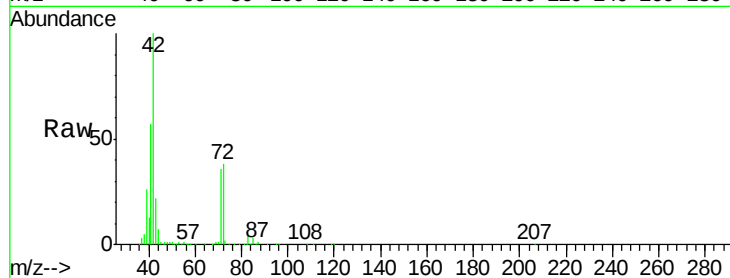
Tgt Ion: 42 Resp: 218431

Ion Ratio Lower Upper

42 100

72 39.3 31.4 47.0

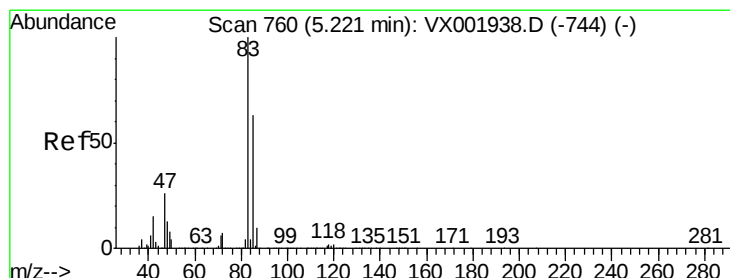
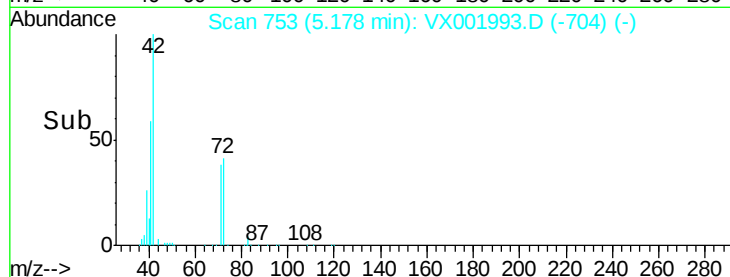
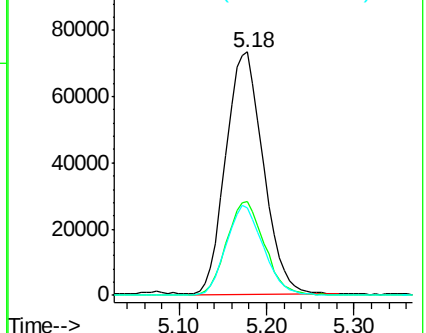
71 36.5 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.95 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001993.D

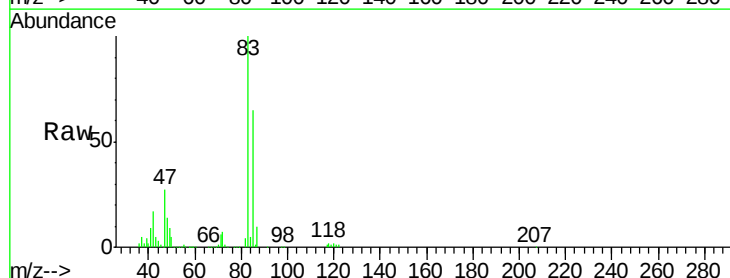
Acq: 25 May 2018 23:16

Tgt Ion: 83 Resp: 134065

Ion Ratio Lower Upper

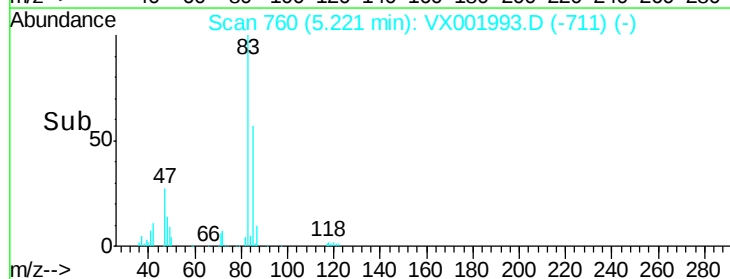
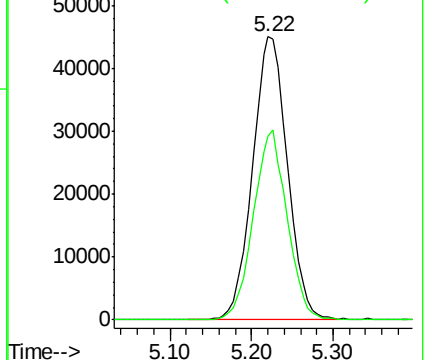
83 100

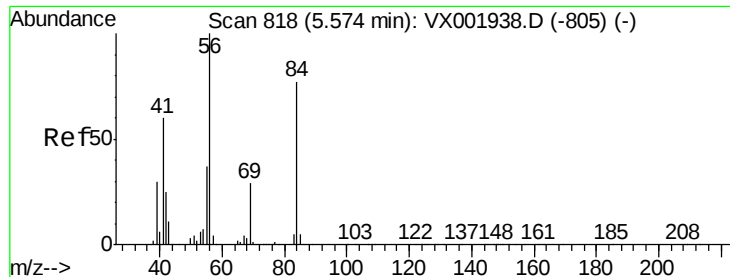
85 64.8 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

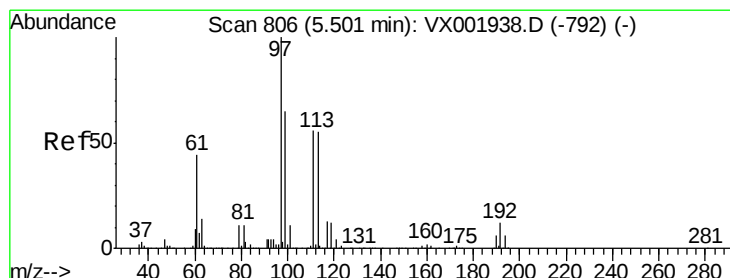
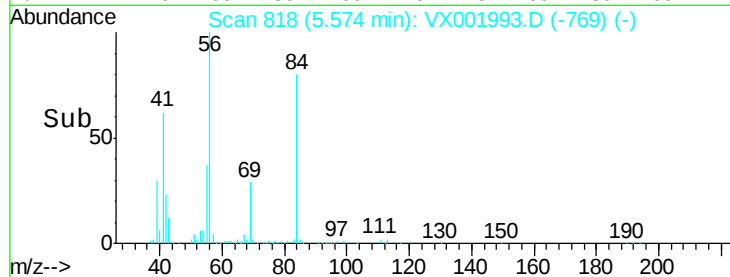
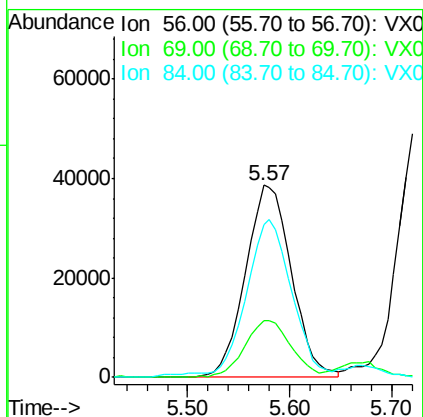
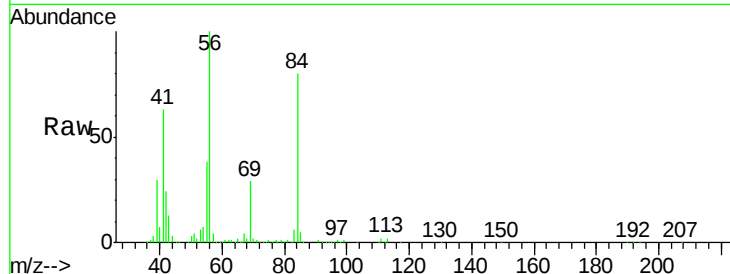




#31
Cyclohexane
Concen: 19.29 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

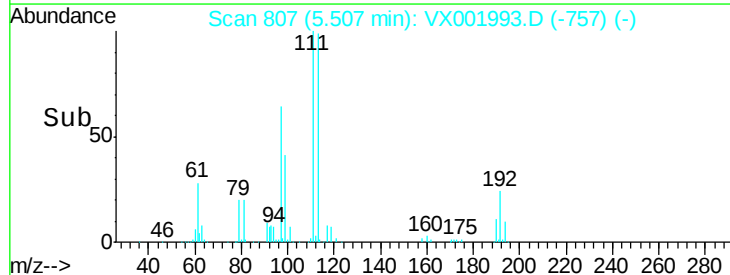
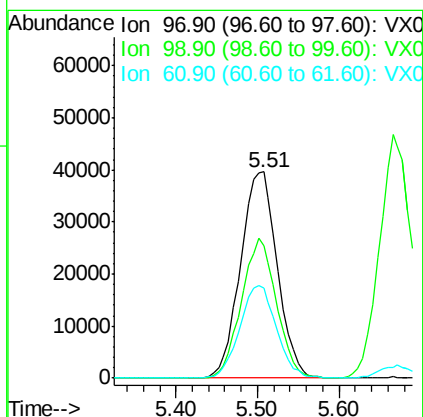
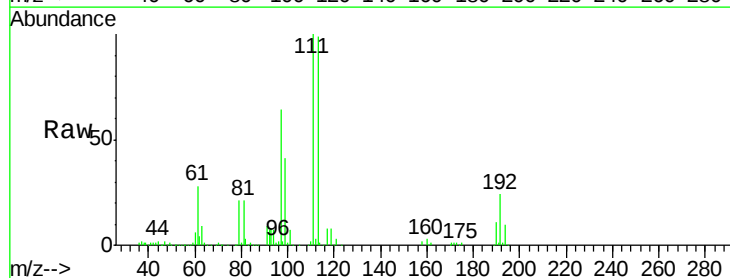
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Tgt Ion: 56 Resp: 119886
Ion Ratio Lower Upper
56 100
69 29.2 23.1 34.7
84 77.8 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 19.70 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion: 97 Resp: 123376
Ion Ratio Lower Upper
97 100
99 65.1 51.9 77.9
61 45.1 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 50.16 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

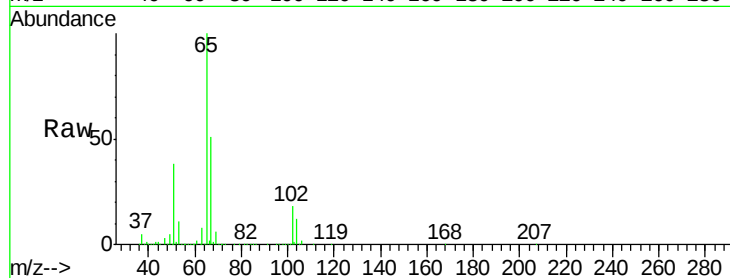
VX0525WBSD02

Tgt Ion: 65 Resp: 226201

Ion Ratio Lower Upper

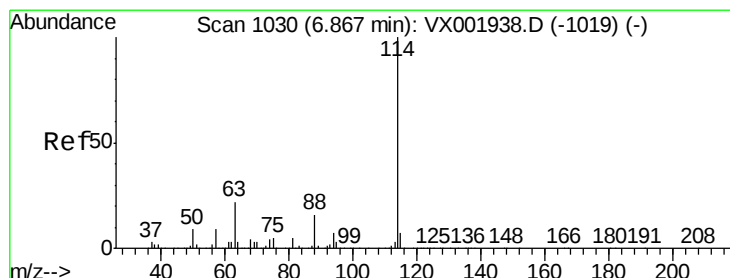
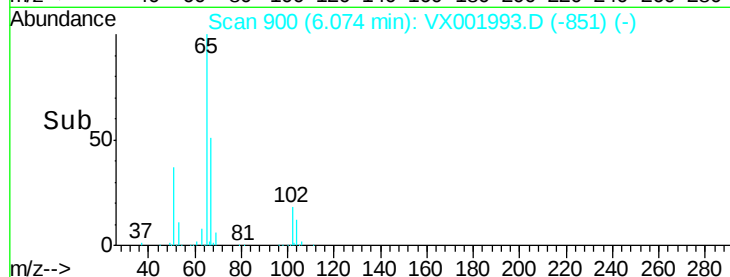
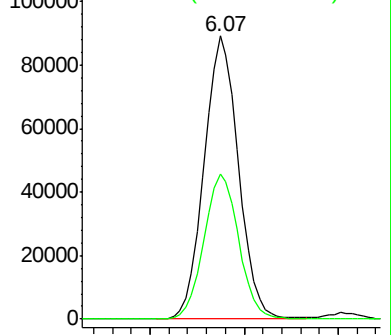
65 100

67 52.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

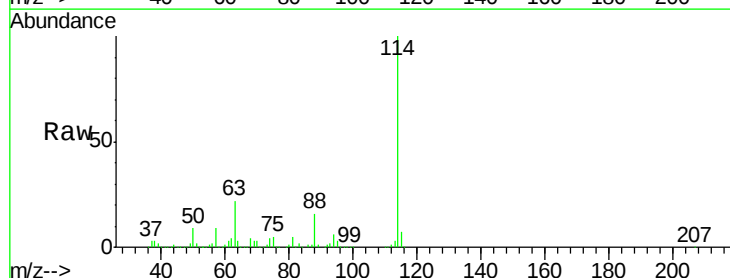
Tgt Ion: 114 Resp: 362804

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

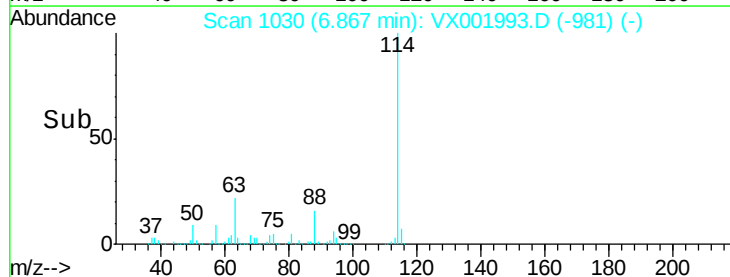
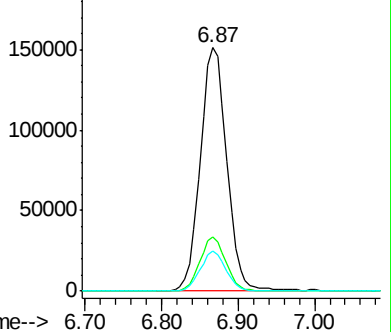
88 16.3 0.0 31.6

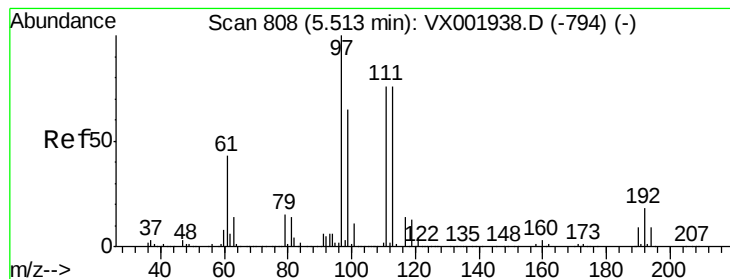


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.35 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

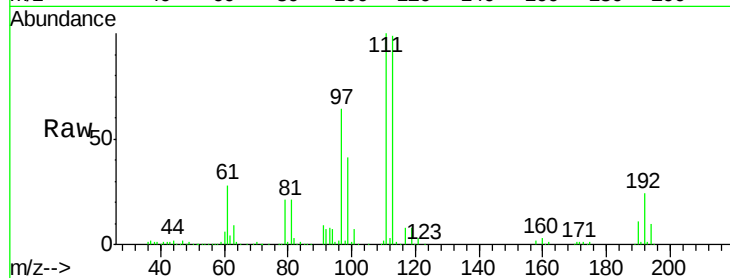
Tgt Ion:113 Resp: 175404

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

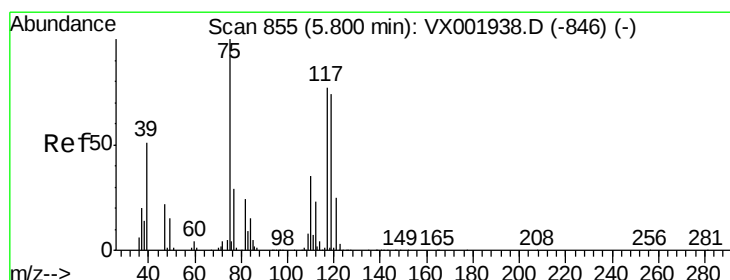
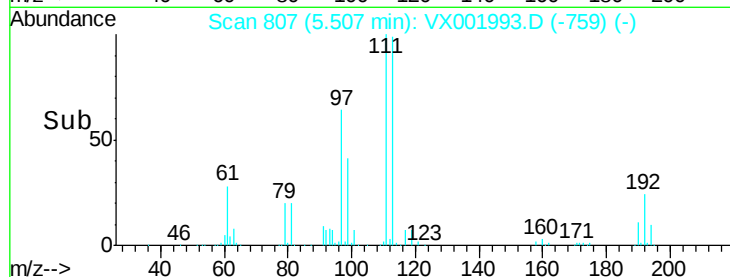
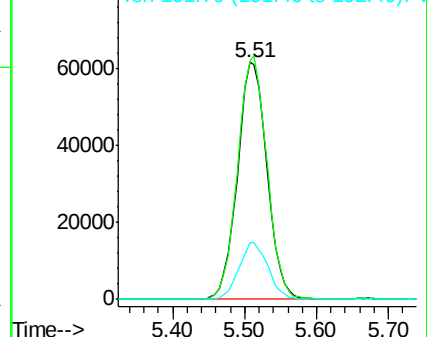
192 23.6 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.62 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

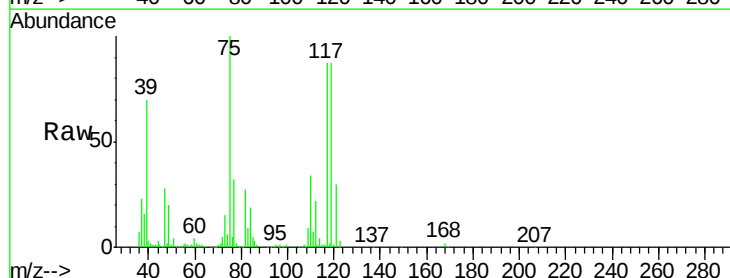
Tgt Ion: 75 Resp: 93962

Ion Ratio Lower Upper

75 100

110 36.1 17.4 52.2

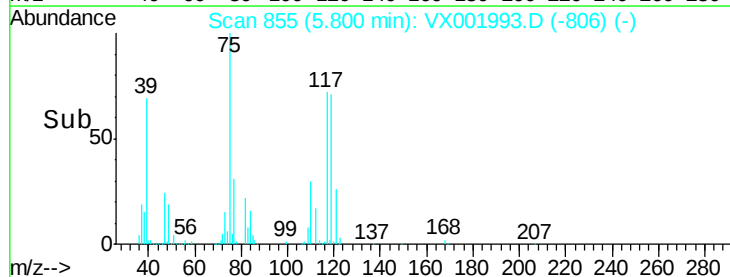
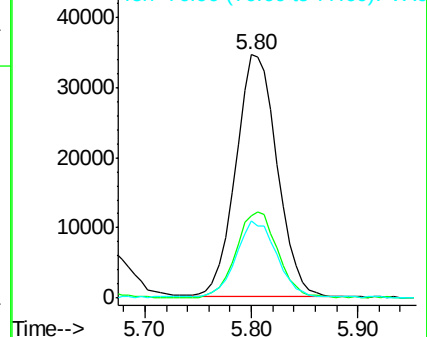
77 31.0 24.4 36.6

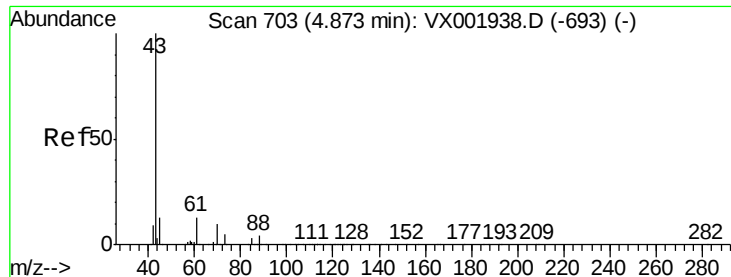


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

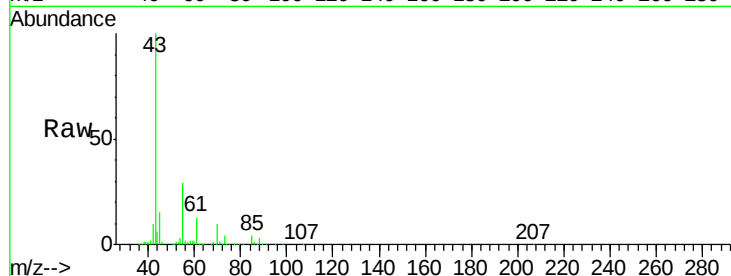




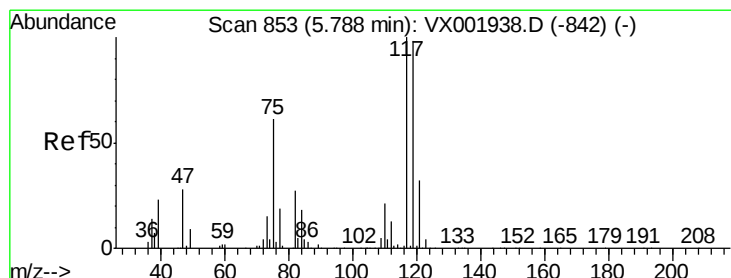
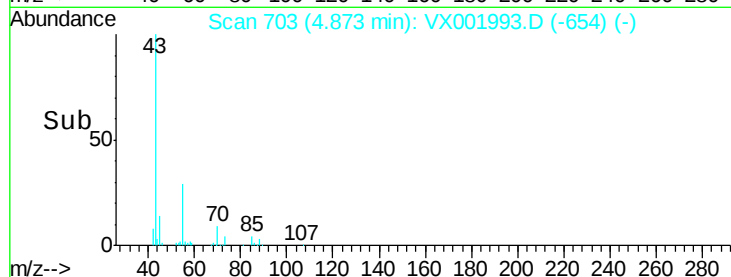
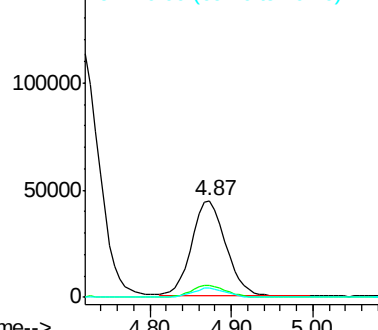
#37
 Ethyl Acetate
 Concen: 19.83 ug/l
 RT: 4.87 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	9.0	7.8	11.8

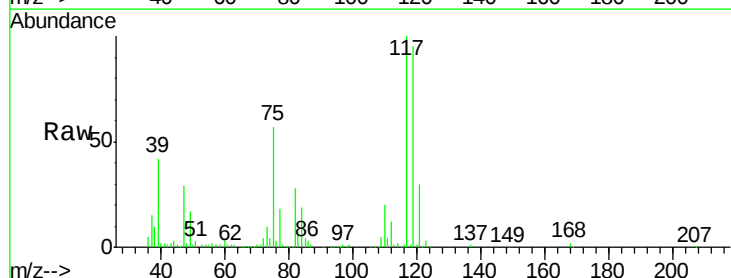


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0

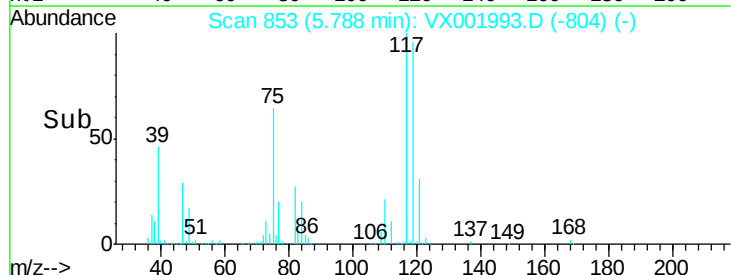
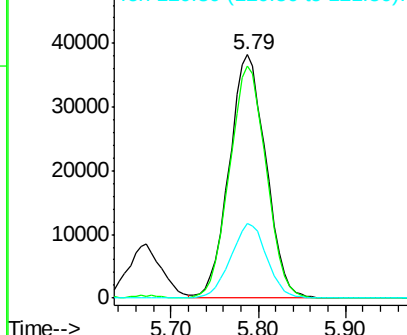


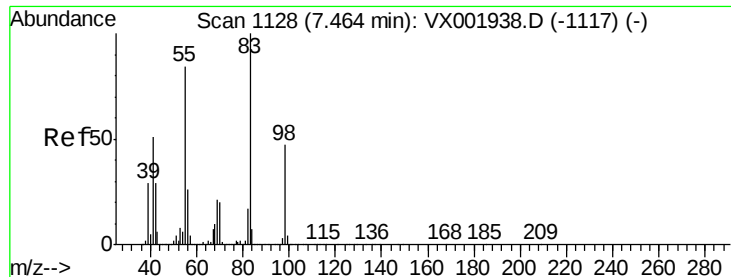
#38
 Carbon Tetrachloride
 Concen: 18.96 ug/l
 RT: 5.79 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.5	117.7
121	30.4	25.5	38.3



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

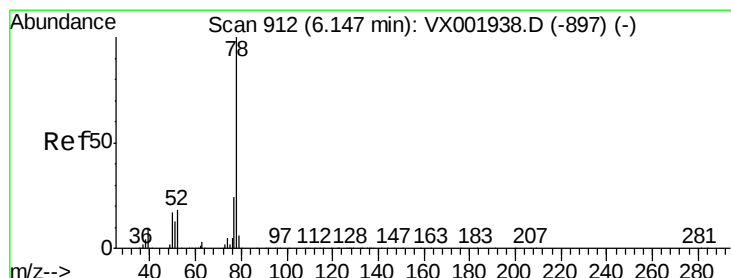
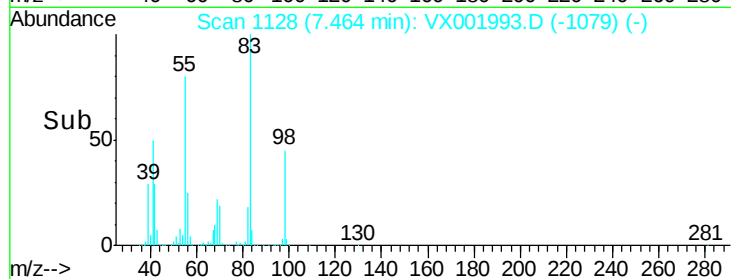
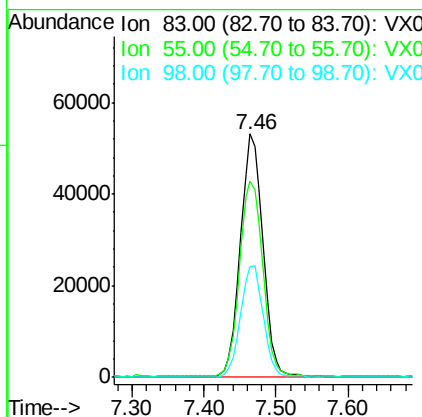
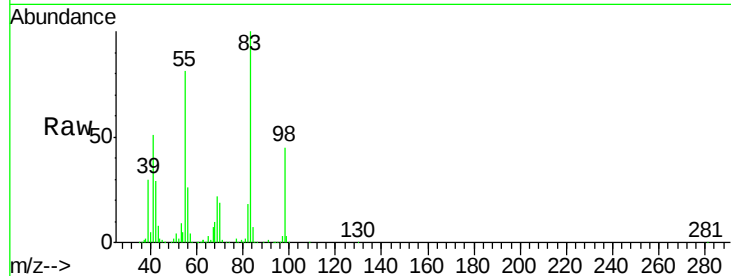




#39
Methylcyclohexane
Concen: 18.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

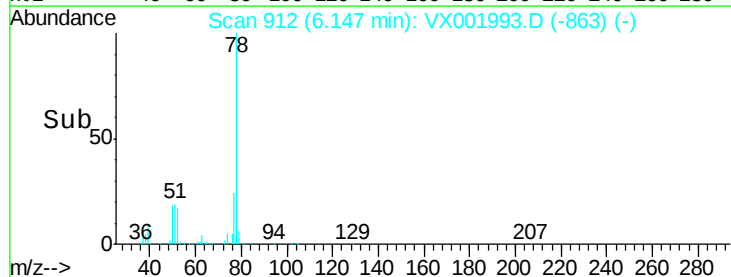
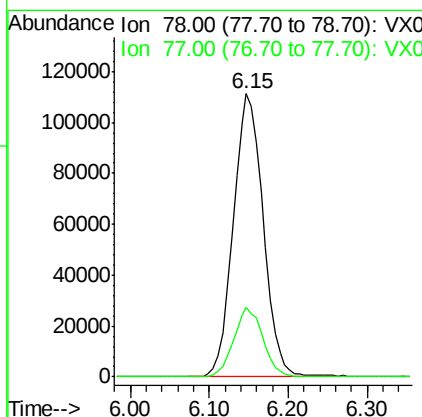
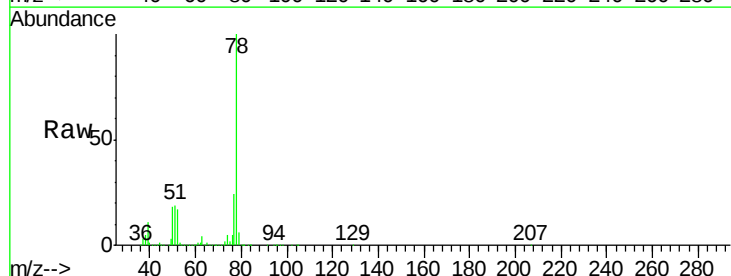
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

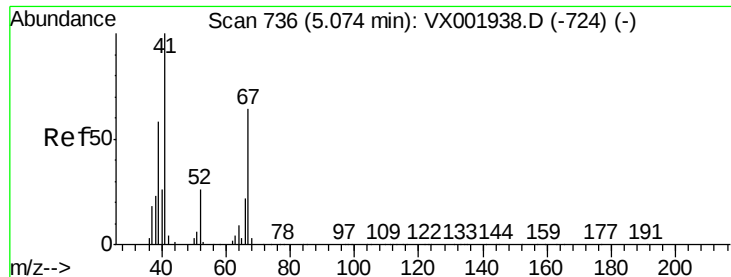
Tgt Ion: 83 Resp: 116012
Ion Ratio Lower Upper
83 100
55 80.3 67.3 100.9
98 45.1 37.5 56.3



#40
Benzene
Concen: 19.86 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion: 78 Resp: 293562
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7

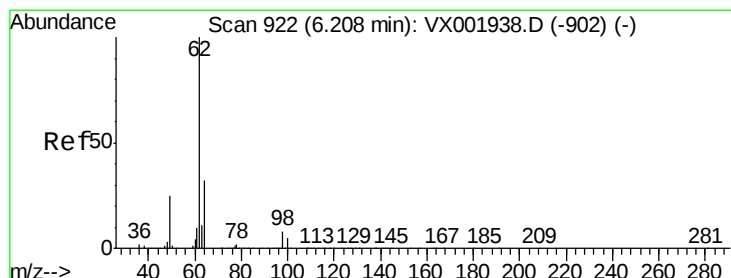
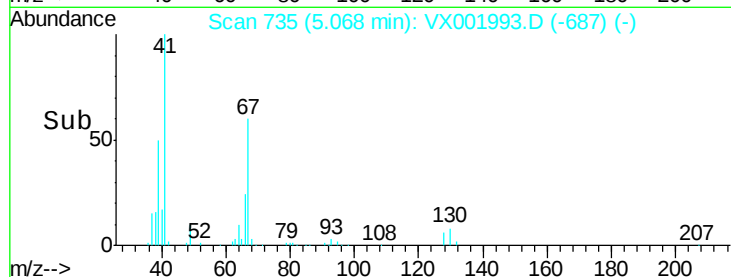
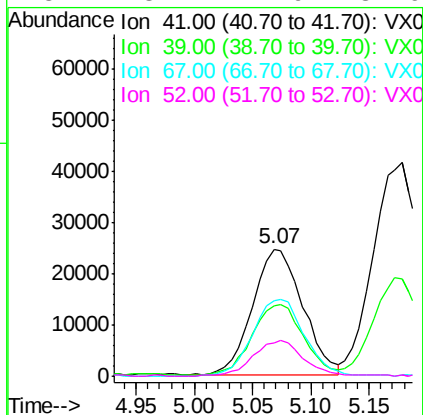
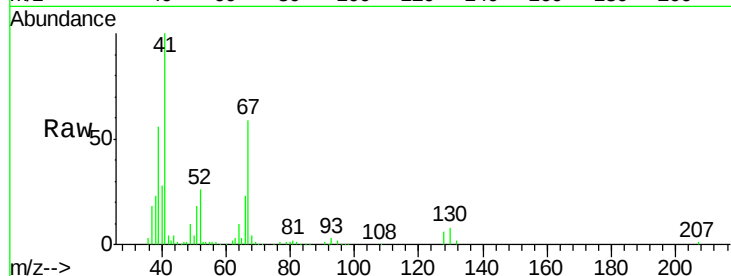




#41
Methacrylonitrile
Concen: 20.21 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

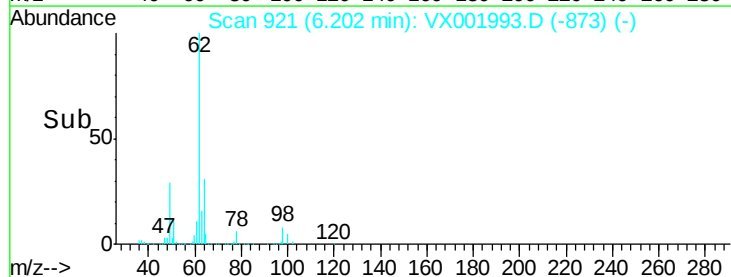
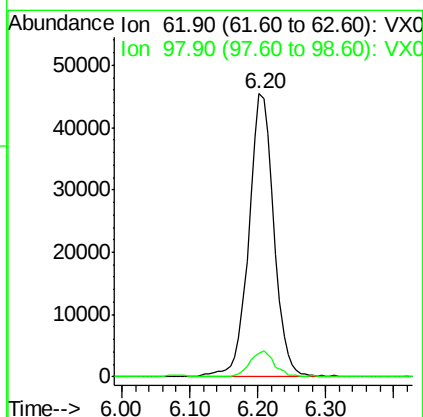
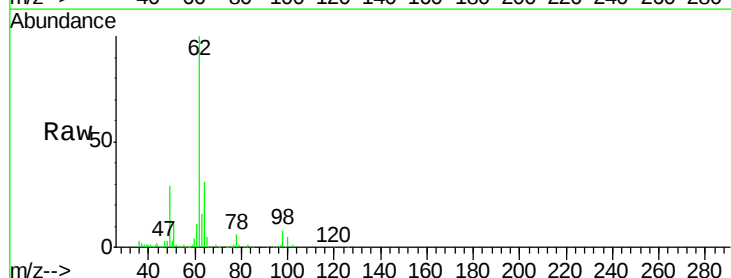
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Tgt Ion:	41	Resp:	72971
Ion	Ratio	Lower	Upper
41	100		
39	57.2	46.0	69.0
67	63.2	50.6	75.8
52	28.2	21.9	32.9



#42
1,2-Dichloroethane
Concen: 19.66 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion:	62	Resp:	116131
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43

Isopropyl Acetate

Concen: 20.19 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

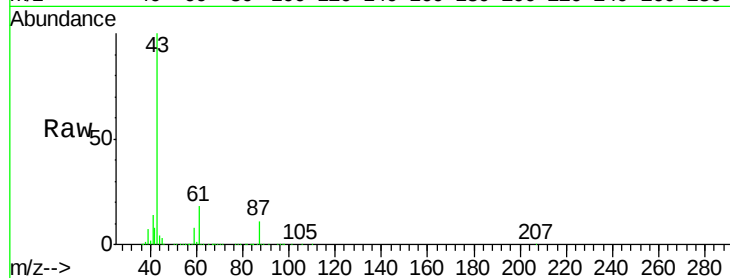
Tgt Ion: 43 Resp: 221380

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

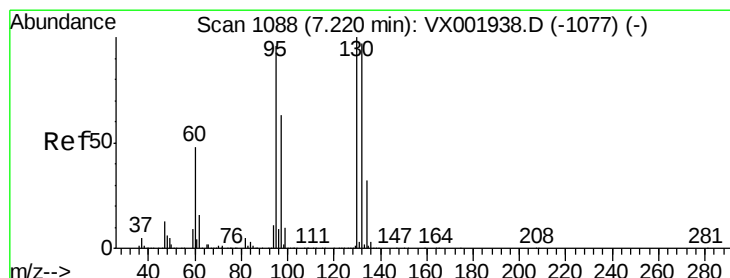
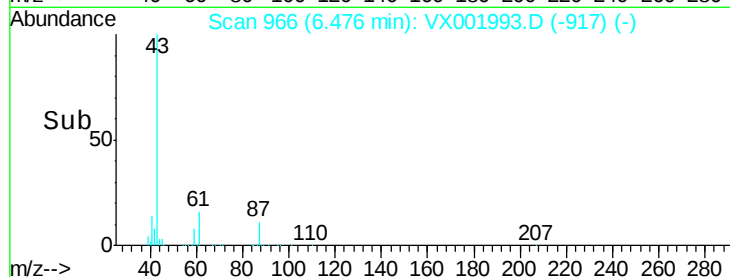
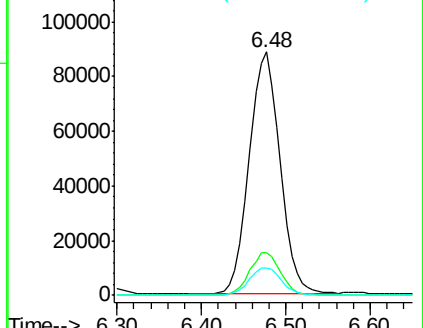
87 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.06 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001993.D

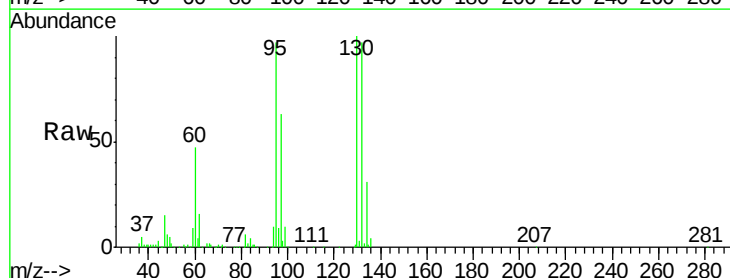
Acq: 25 May 2018 23:16

Tgt Ion: 130 Resp: 82102

Ion Ratio Lower Upper

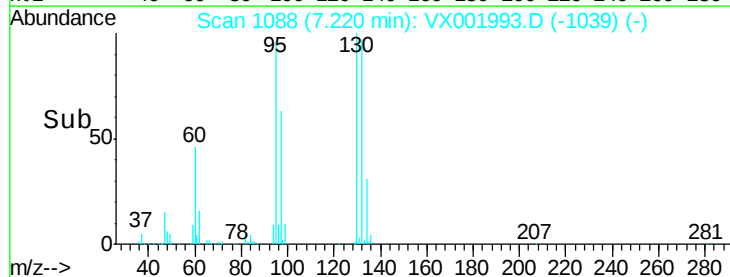
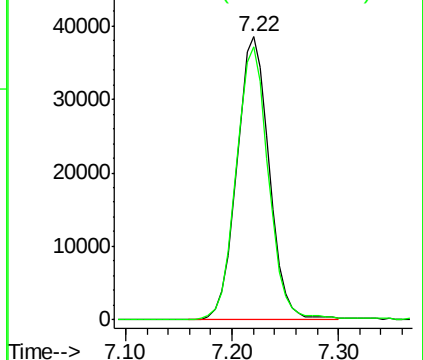
130 100

95 96.5 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.12 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

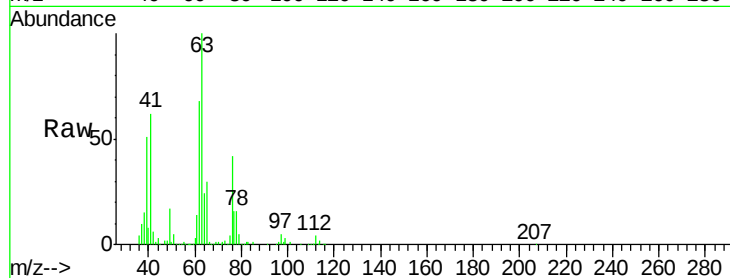
VX0525WBSD02

Tgt Ion: 63 Resp: 80800

Ion Ratio Lower Upper

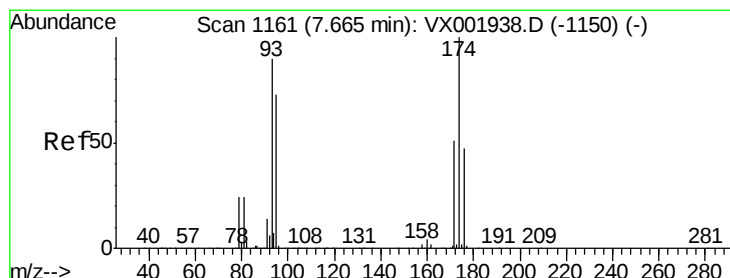
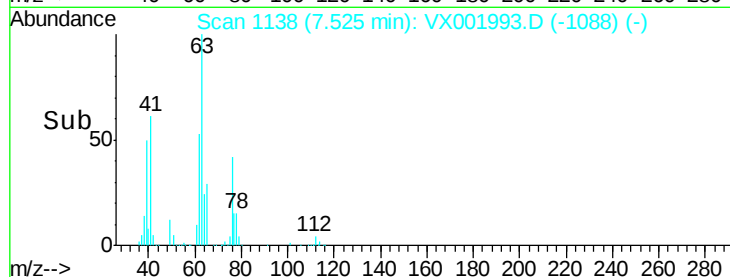
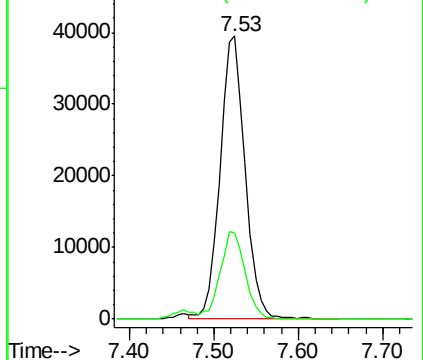
63 100

65 30.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.24 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

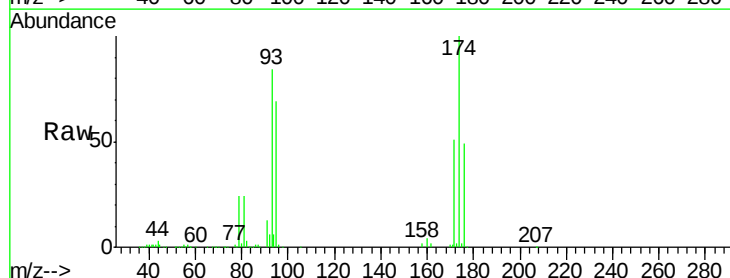
Tgt Ion: 93 Resp: 53795

Ion Ratio Lower Upper

93 100

95 83.1 66.1 99.1

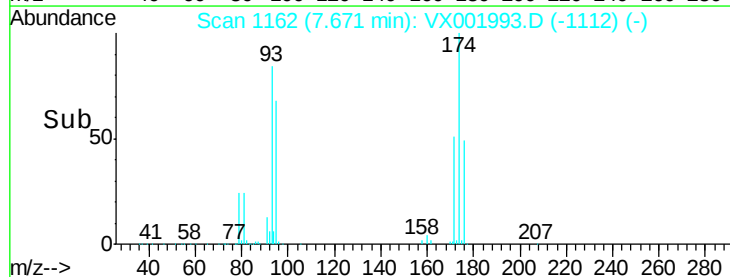
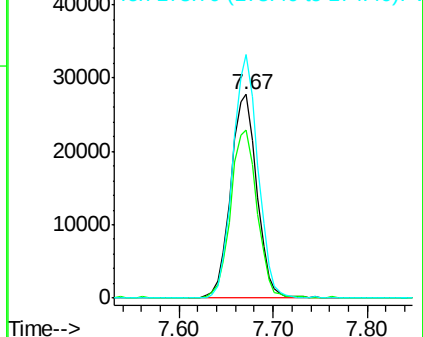
174 114.9 92.5 138.7

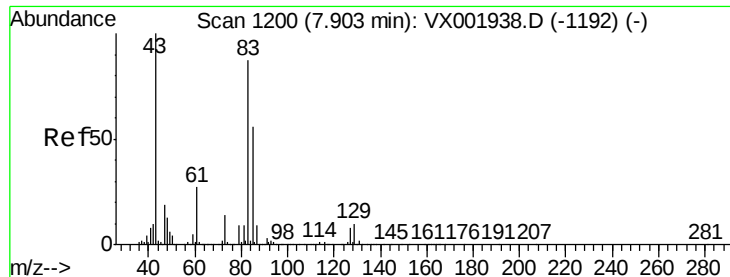


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.19 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

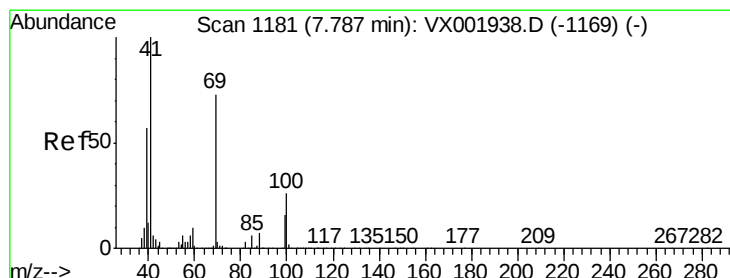
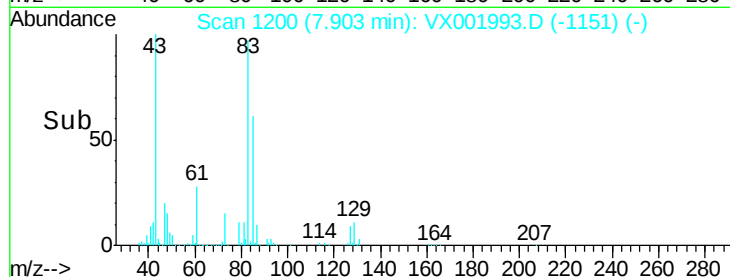
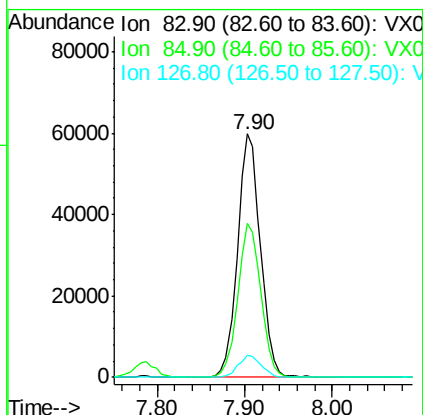
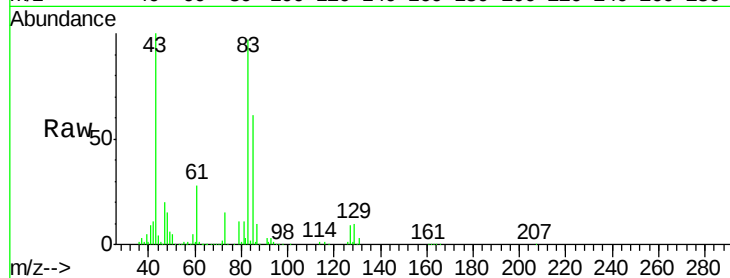
Tgt Ion: 83 Resp: 108793

Ion Ratio Lower Upper

83 100

85 63.0 51.4 77.2

127 9.2 7.1 10.7



#48

Methyl methacrylate

Concen: 20.09 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

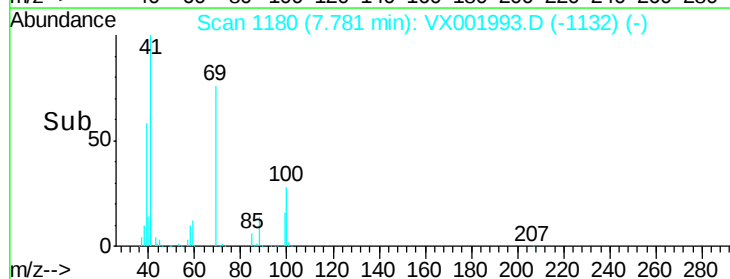
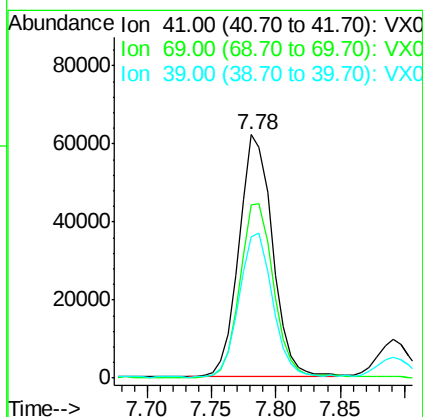
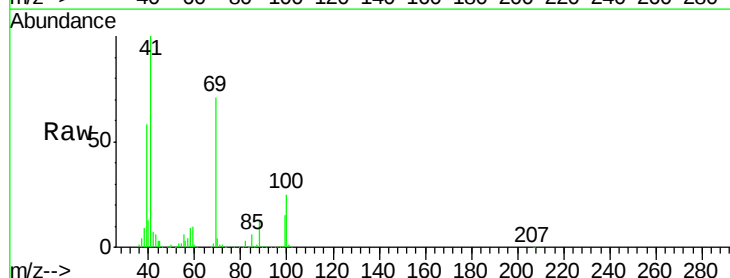
Tgt Ion: 41 Resp: 112084

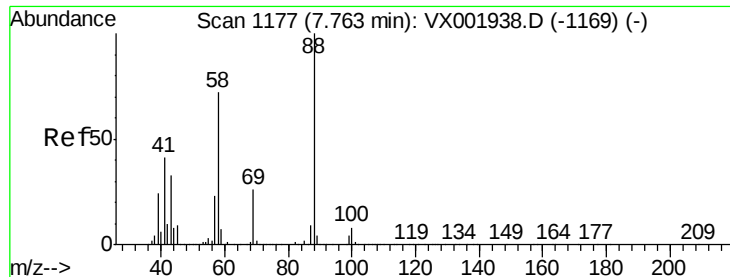
Ion Ratio Lower Upper

41 100

69 72.7 58.6 87.8

39 59.6 46.3 69.5





#49

1,4-Dioxane

Concen: 430.36 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

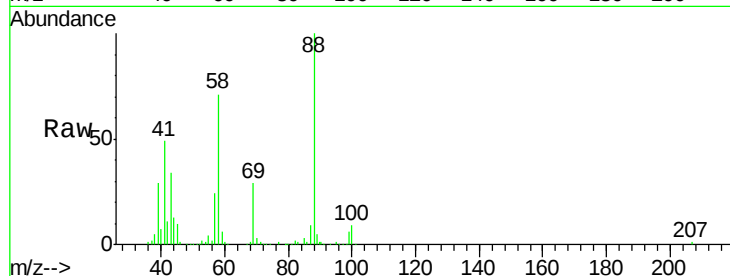
Tgt Ion: 88 Resp: 42312

Ion Ratio Lower Upper

88 100

43 38.4 29.8 44.8

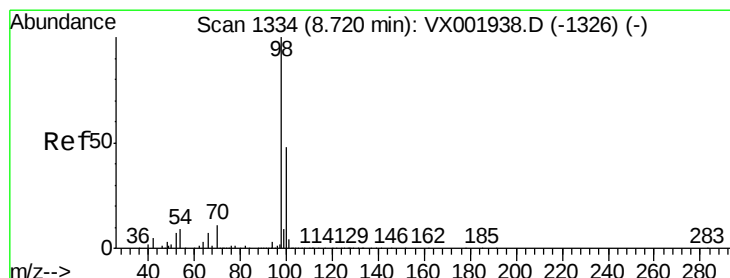
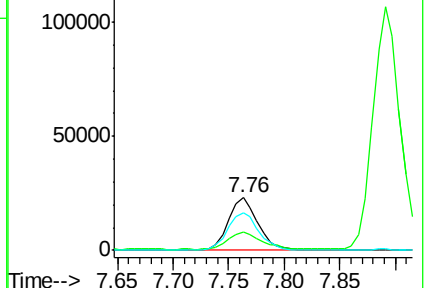
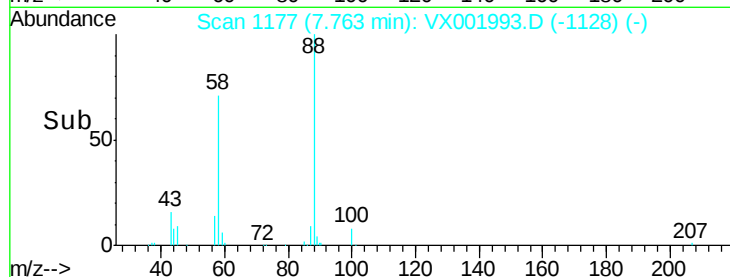
58 73.4 58.7 88.1



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.26 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001993.D

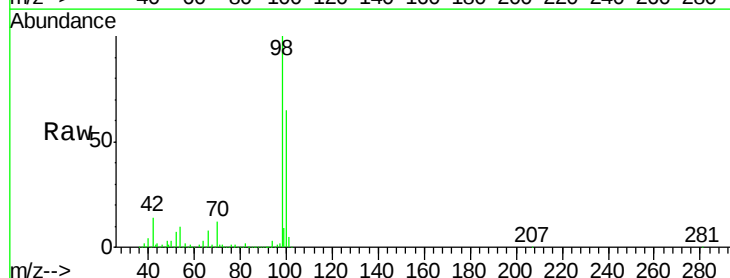
Acq: 25 May 2018 23:16

Tgt Ion: 98 Resp: 633821

Ion Ratio Lower Upper

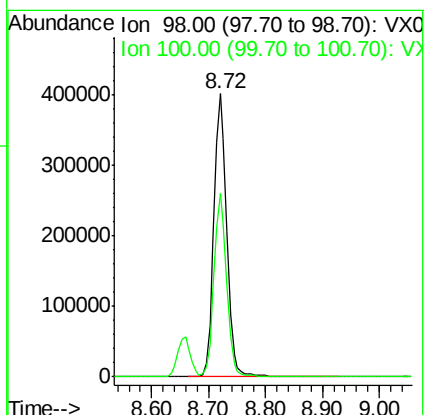
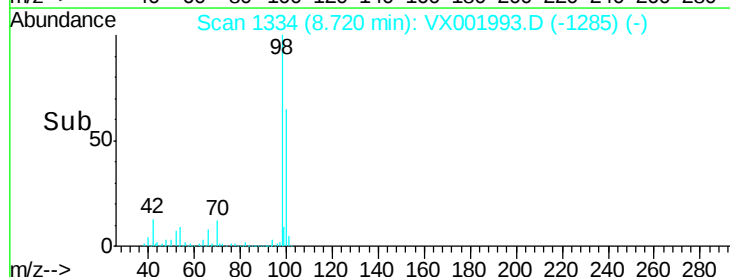
98 100

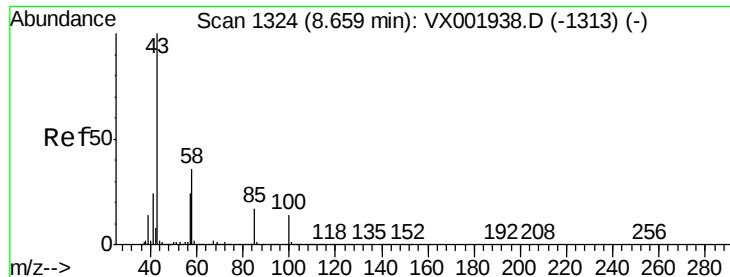
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

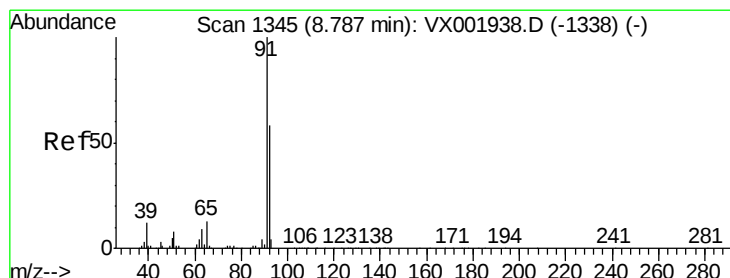
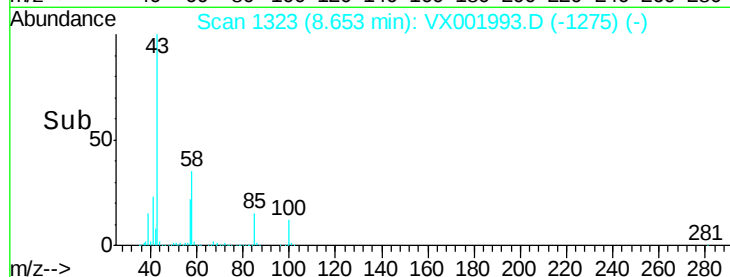
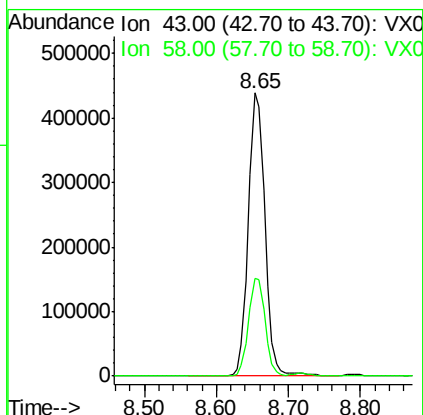
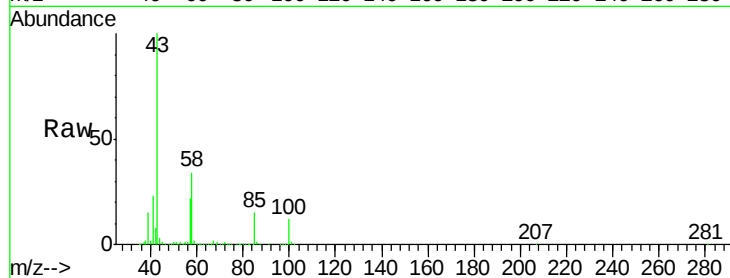




#51
 4-Methyl-2-Pentanone
 Concen: 106.27 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

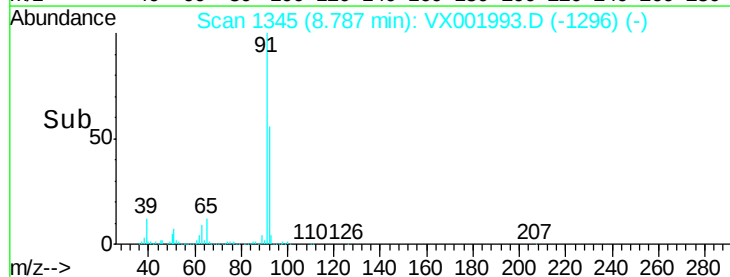
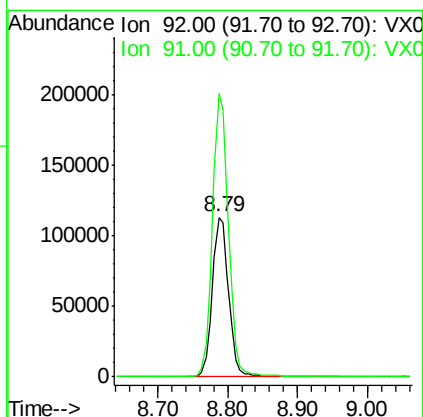
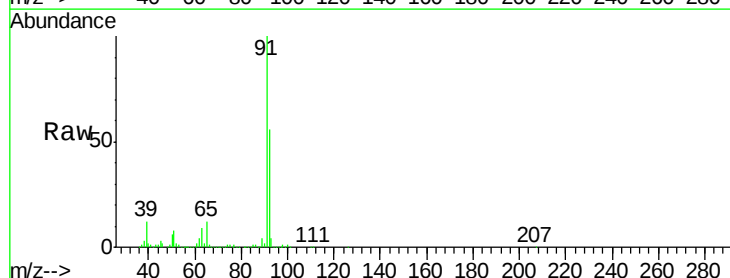
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

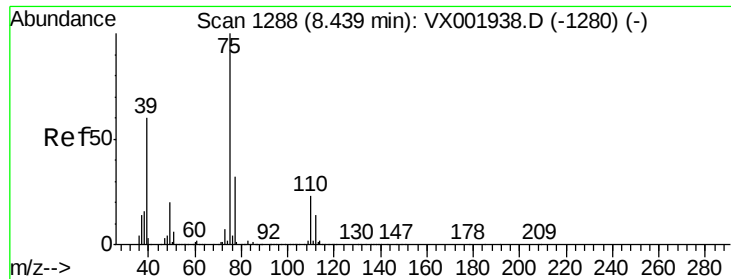
Tgt Ion: 43 Resp: 702235
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.5 42.7



#52
 Toluene
 Concen: 19.48 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion: 92 Resp: 183273
 Ion Ratio Lower Upper
 92 100
 91 173.9 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.66 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

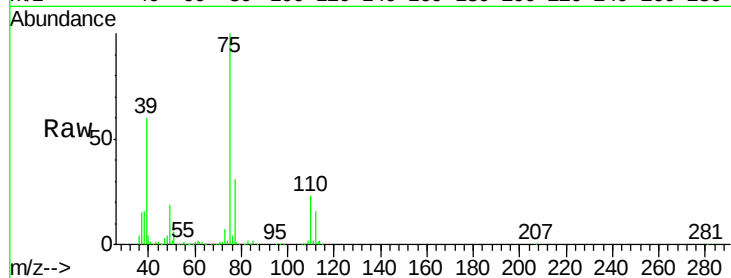
VX0525WBSD02

Tgt Ion: 75 Resp: 121840

Ion Ratio Lower Upper

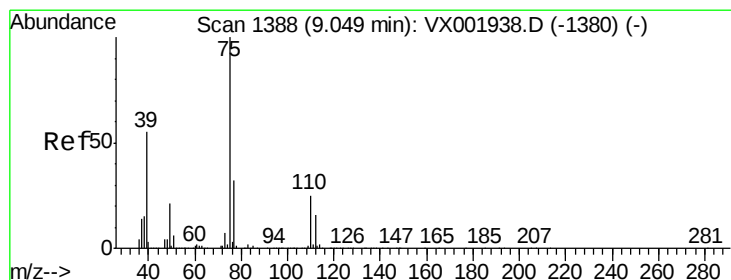
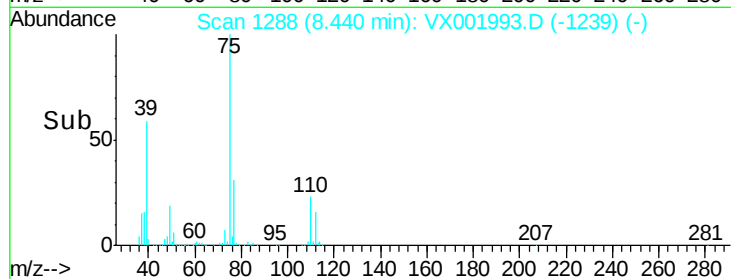
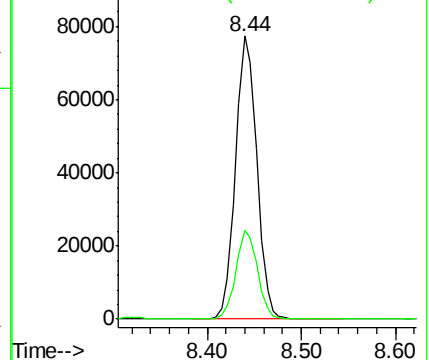
75 100

77 31.3 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.31 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

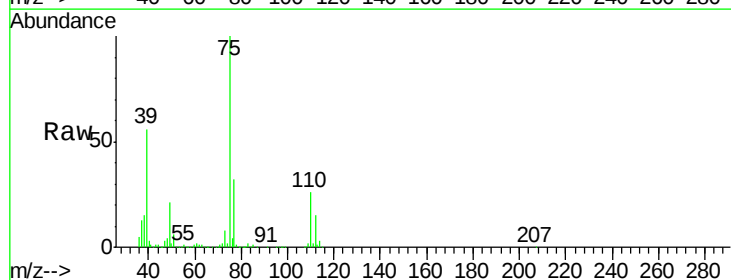
Tgt Ion: 75 Resp: 116466

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

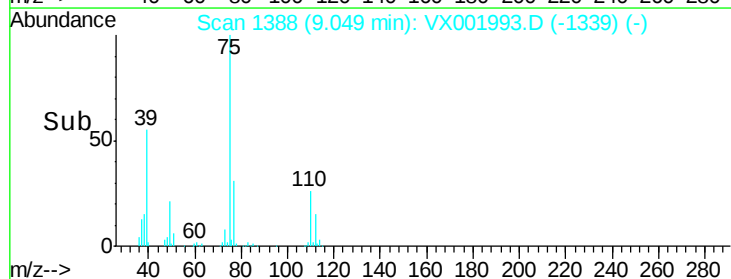
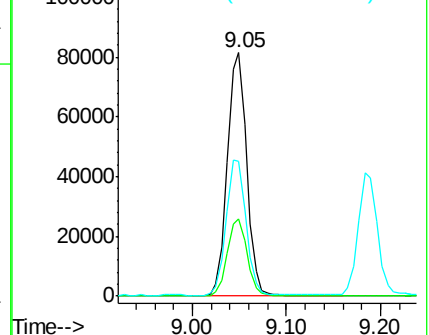
39 55.2 44.1 66.1

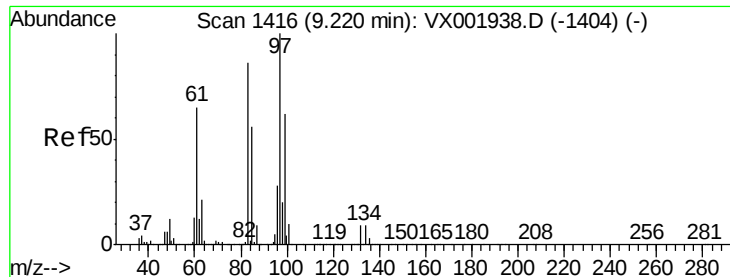


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

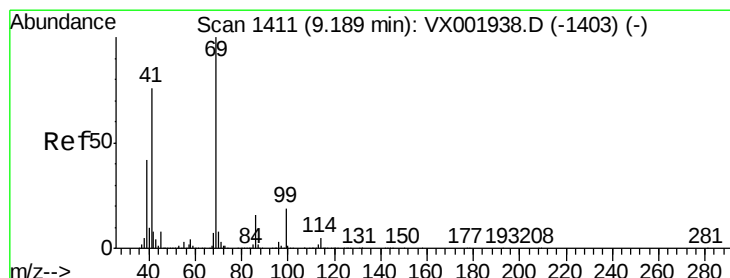
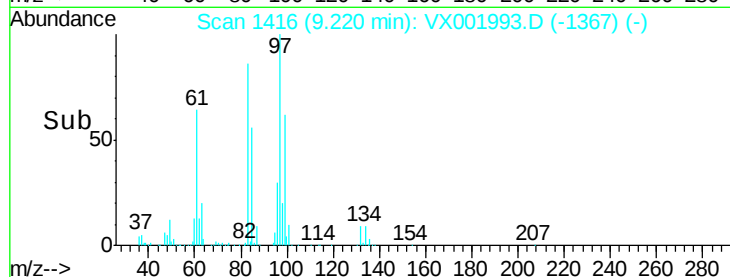
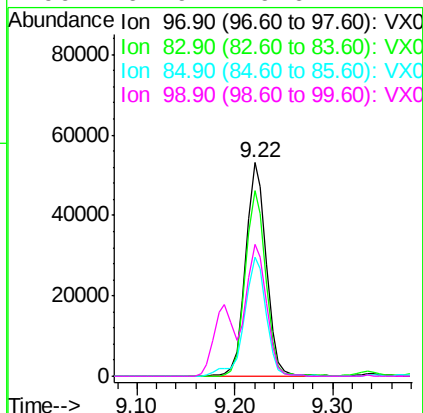
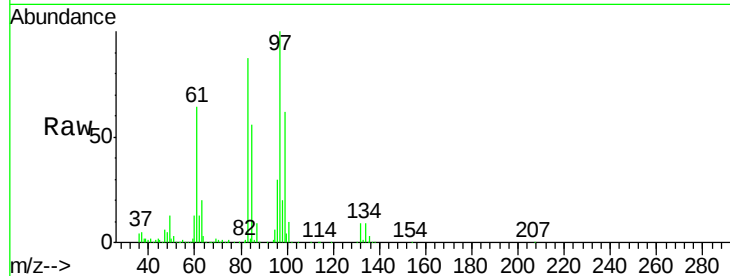




#55
 1,1,2-Trichloroethane
 Concen: 19.90 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

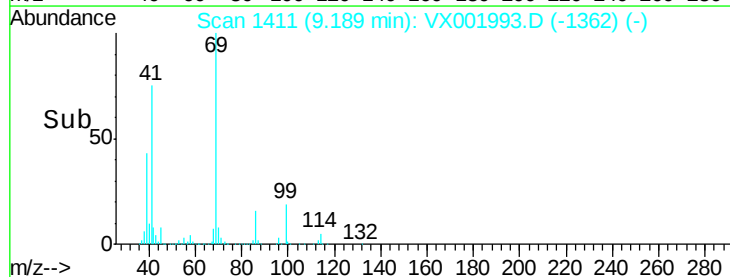
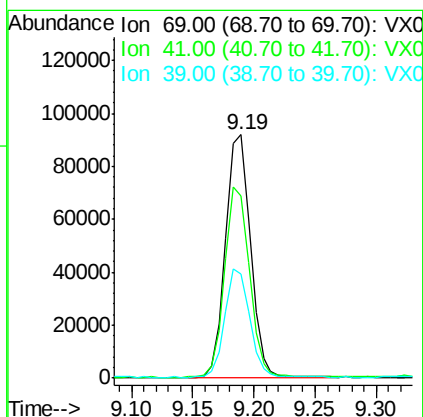
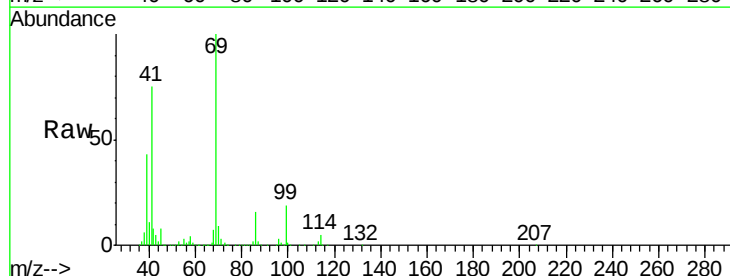
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

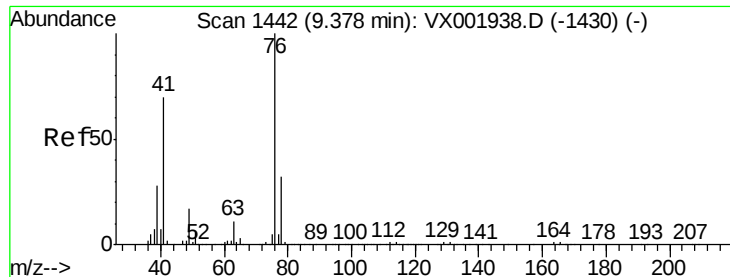
Tgt Ion:	97	Resp:	78222
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.1	103.7
85	55.6	45.2	67.8
99	61.9	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 19.32 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion:	69	Resp:	130637
Ion	Ratio	Lower	Upper
69	100		
41	78.1	61.0	91.6
39	44.2	34.4	51.6





#57

1,3-Dichloropropane

Concen: 20.39 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

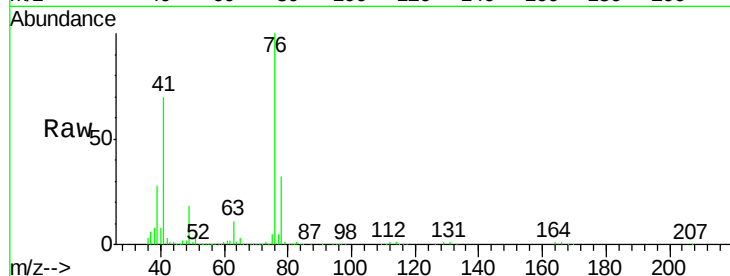
VX0525WBSD02

Tgt Ion: 76 Resp: 132034

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

100000

80000

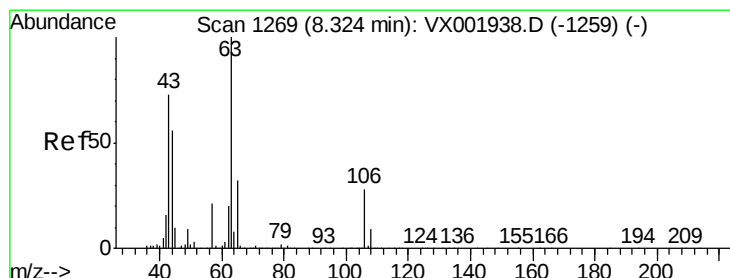
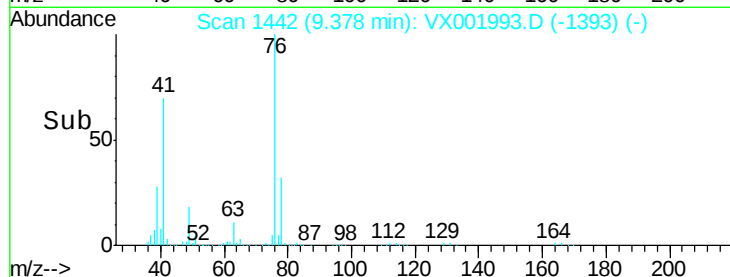
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.01 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001993.D

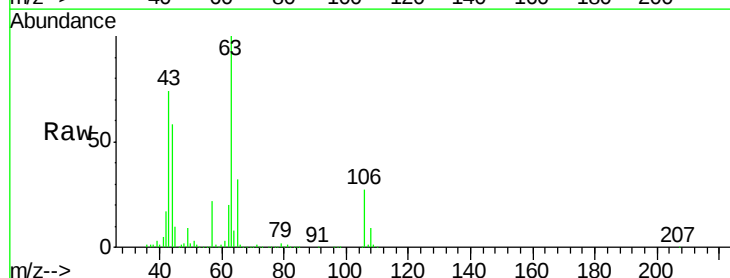
Acq: 25 May 2018 23:16

Tgt Ion: 63 Resp: 314669

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

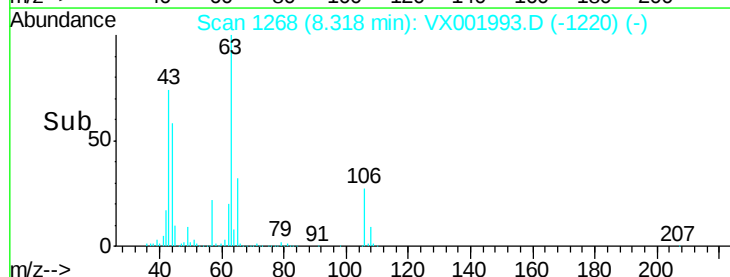
150000

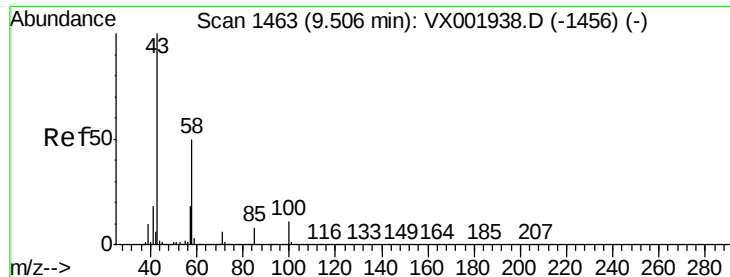
100000

50000

0

Time-->

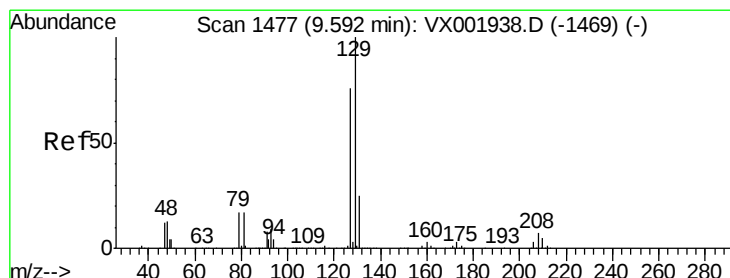
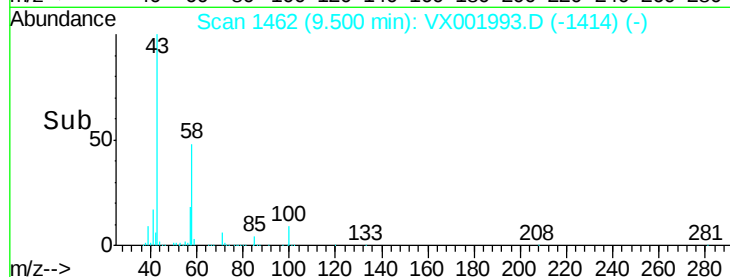
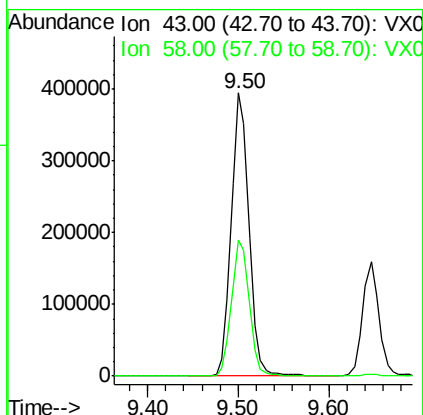
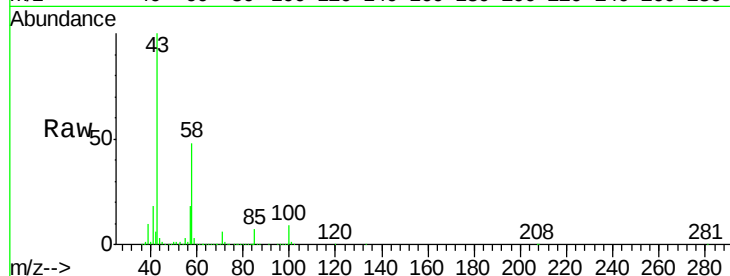




#59
2-Hexanone
Concen: 104.37 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

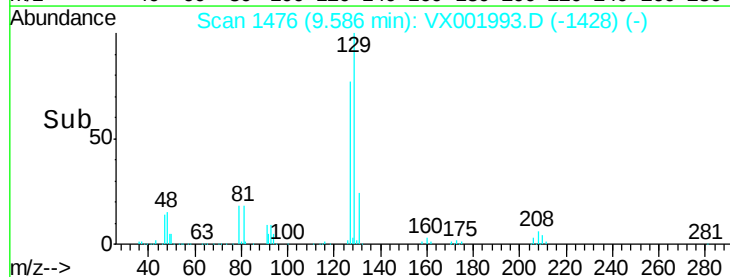
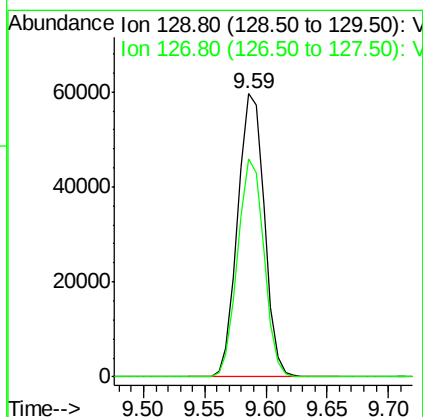
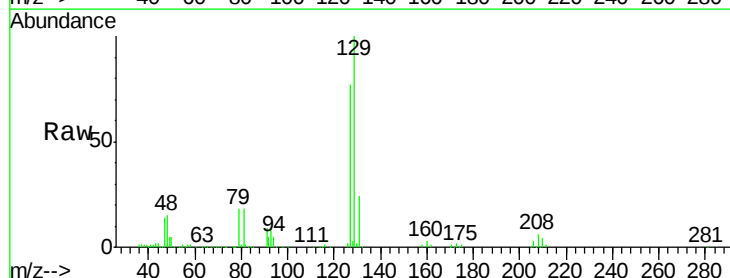
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Tgt Ion: 43 Resp: 531823
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6



#60
Dibromochloromethane
Concen: 19.33 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion: 129 Resp: 89978
Ion Ratio Lower Upper
129 100
127 75.7 38.3 114.9

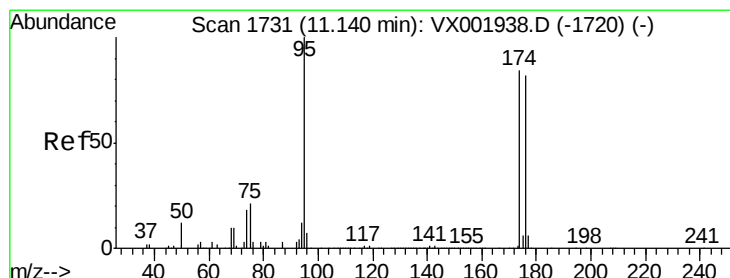
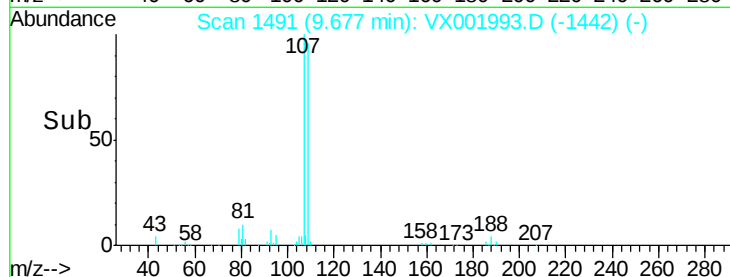
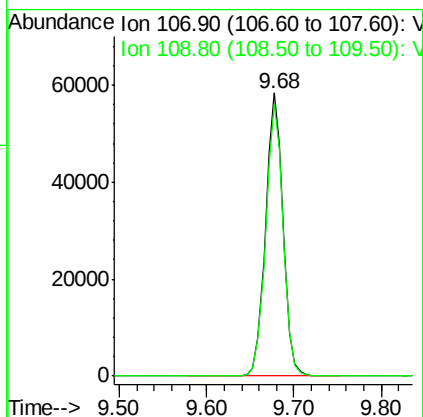
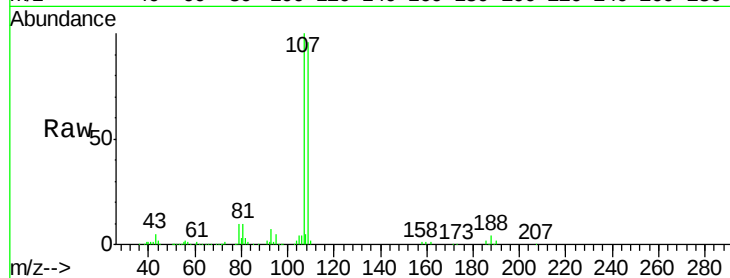




#61
 1,2-Dibromoethane
 Concen: 20.02 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

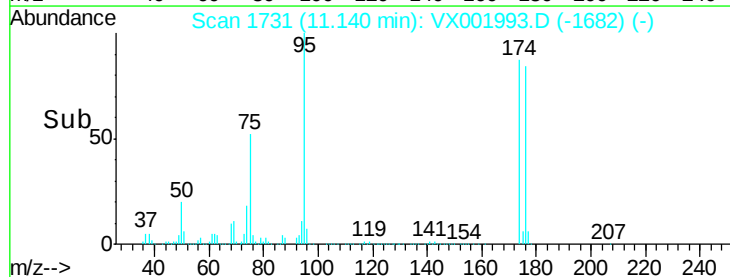
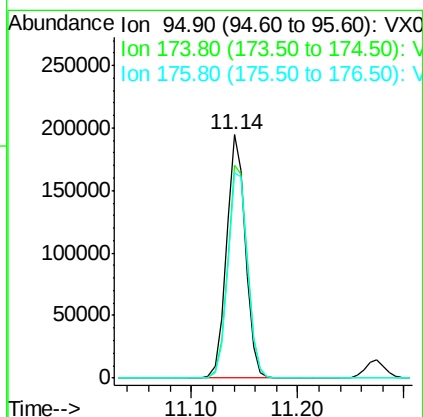
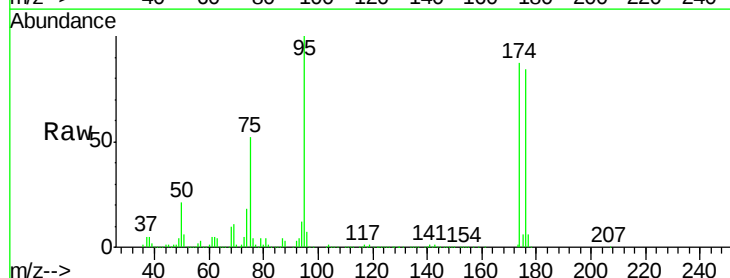
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

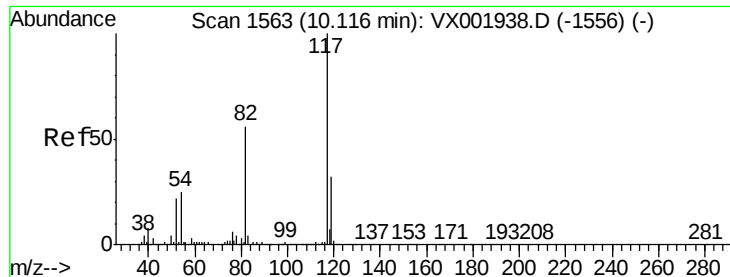
Tgt Ion: 107 Resp: 82576
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 47.02 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion: 95 Resp: 241646
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 178.8
 176 88.5 0.0 175.6

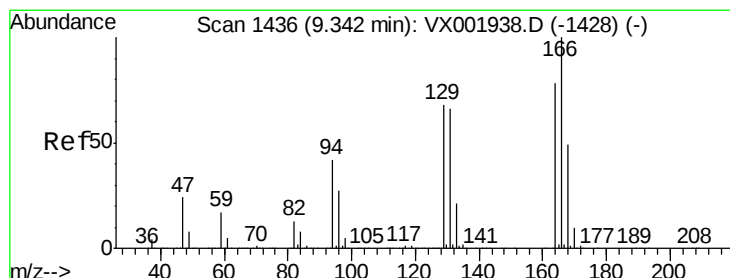
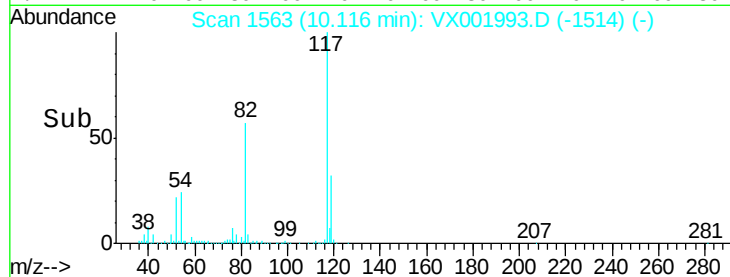
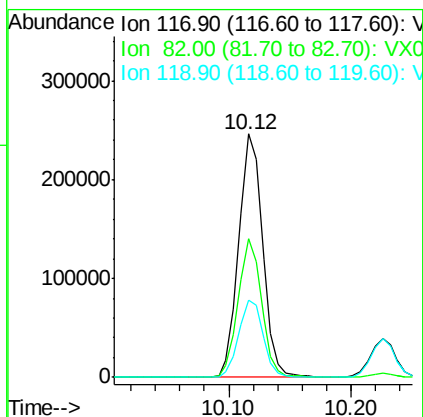
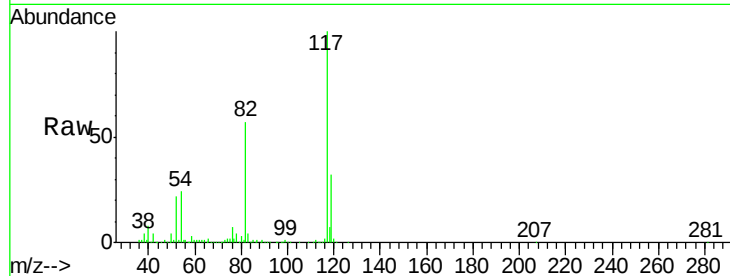




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

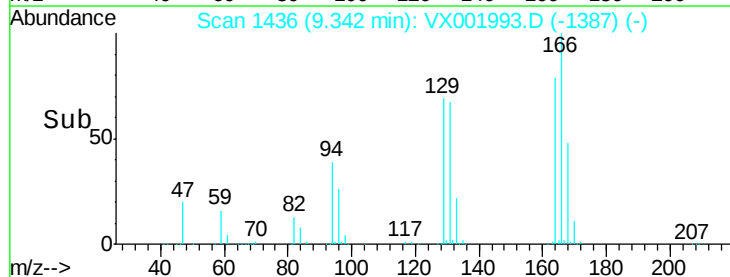
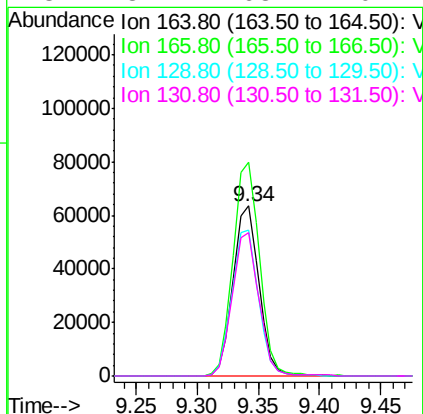
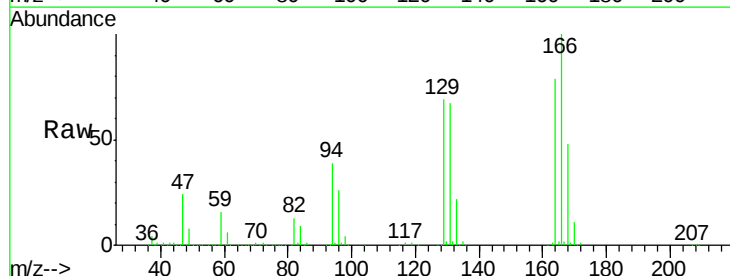
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

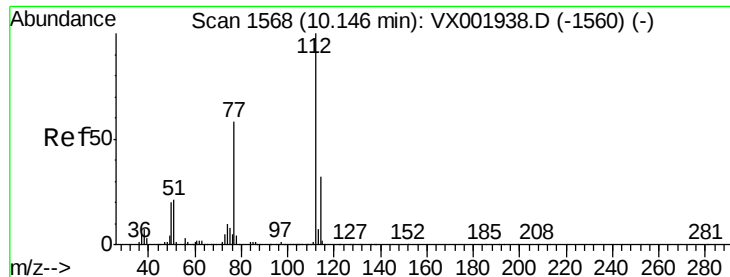
Tgt Ion:117 Resp: 334345
Ion Ratio Lower Upper
117 100
82 56.8 44.8 67.2
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 19.42 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion:164 Resp: 93084
Ion Ratio Lower Upper
164 100
166 125.9 102.7 154.1
129 86.4 70.3 105.5
131 84.4 68.2 102.4





#65

Chlorobenzene

Concen: 19.45 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

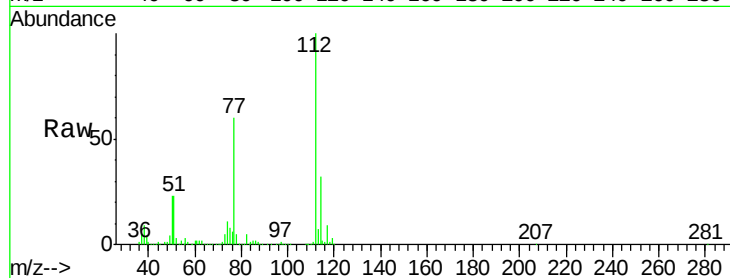
VX0525WBSD02

Tgt Ion:112 Resp: 206078

Ion Ratio Lower Upper

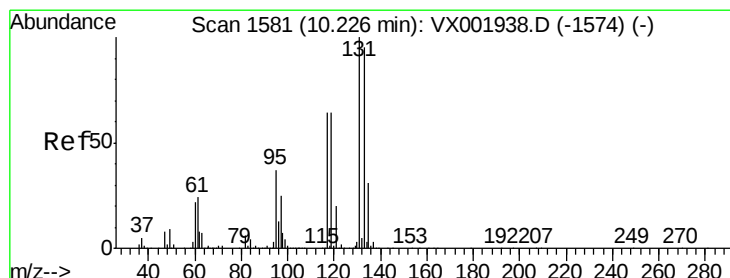
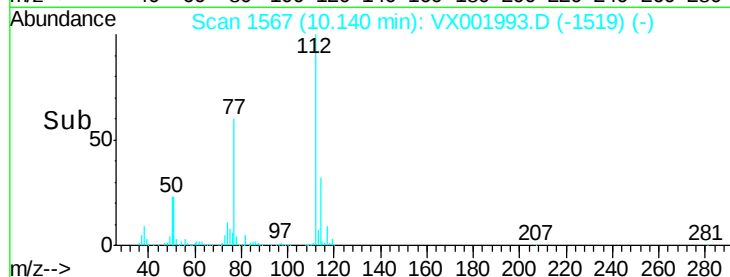
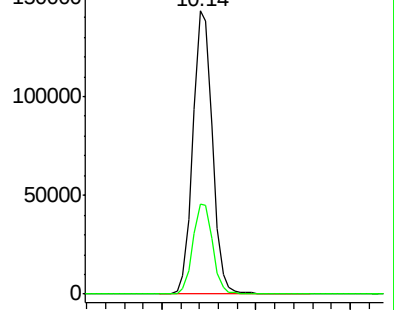
112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.22 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

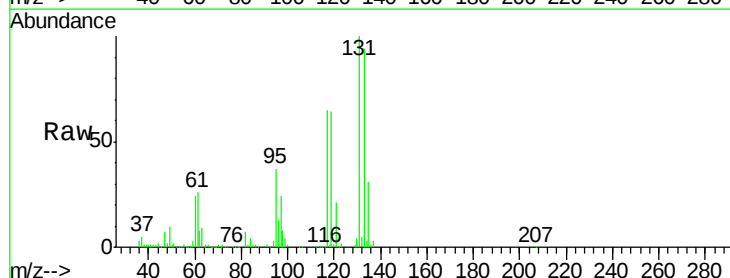
Tgt Ion:131 Resp: 82200

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.0

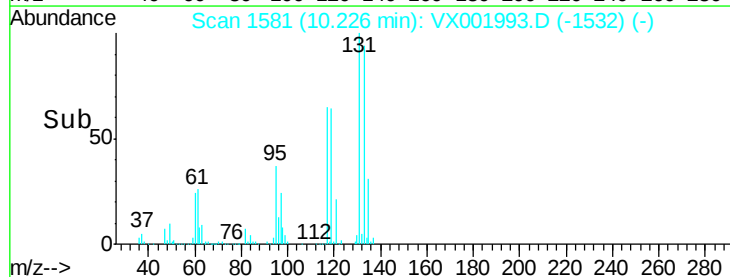
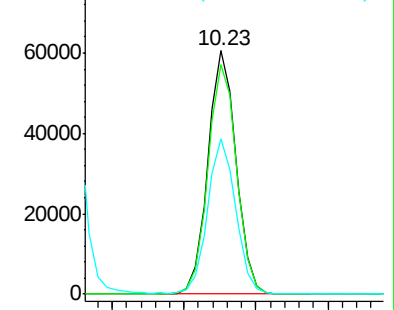
119 63.9 31.9 95.5

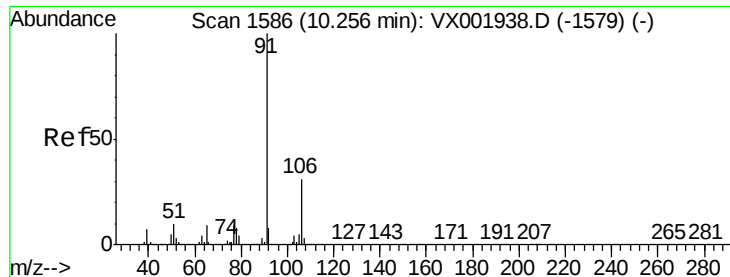


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.41 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

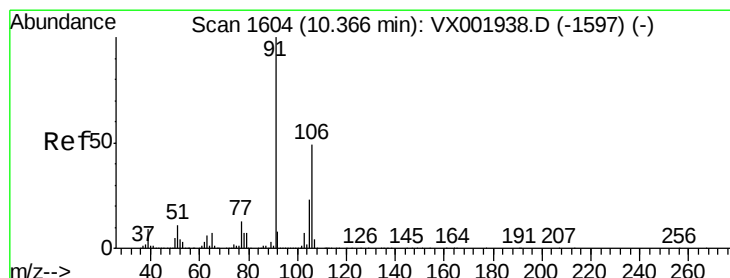
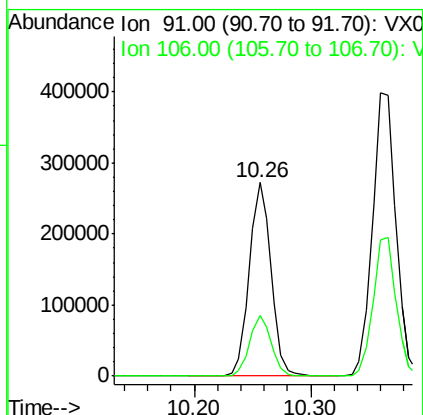
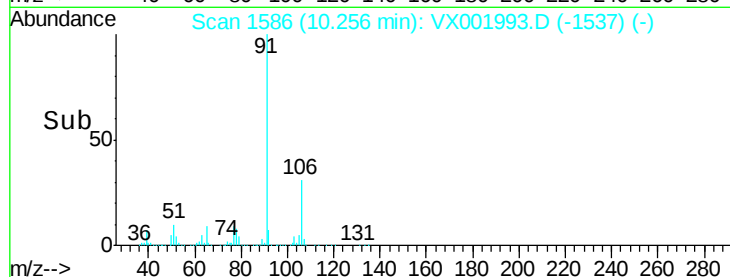
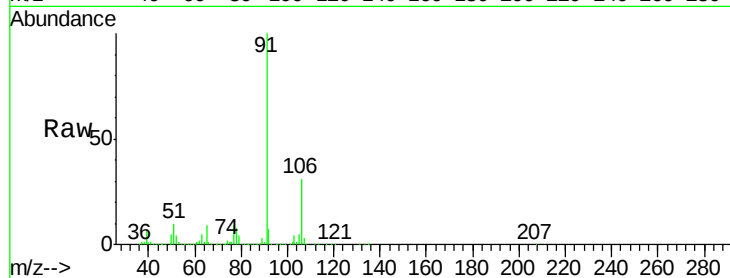
VX0525WBSD02

Tgt Ion: 91 Resp: 357221

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.6



#68

m/p-Xylenes

Concen: 38.51 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001993.D

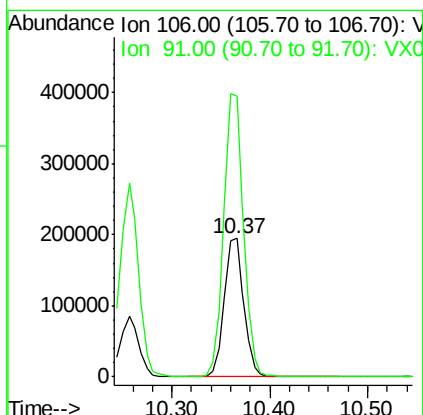
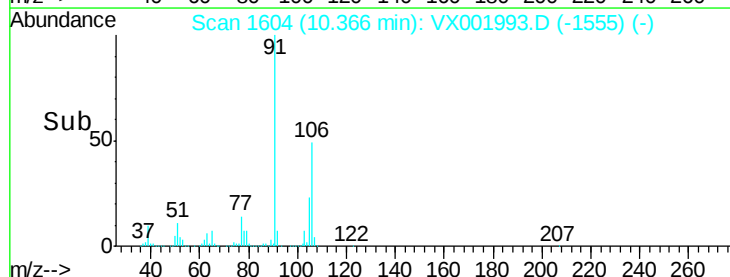
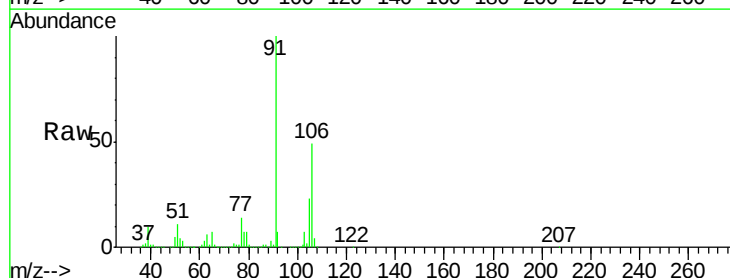
Acq: 25 May 2018 23:16

Tgt Ion: 106 Resp: 270929

Ion Ratio Lower Upper

106 100

91 206.6 165.0 247.6

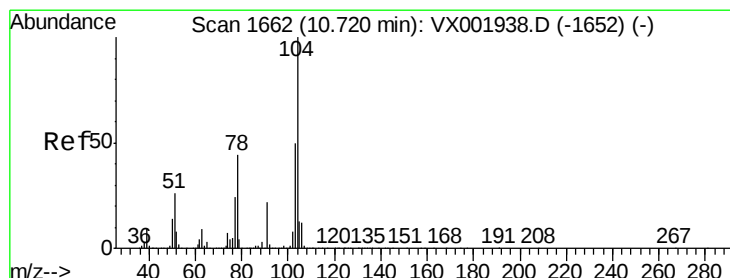
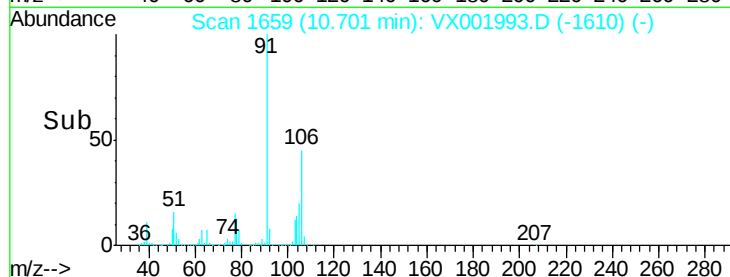
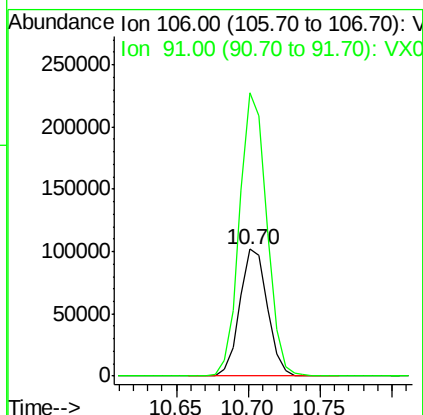
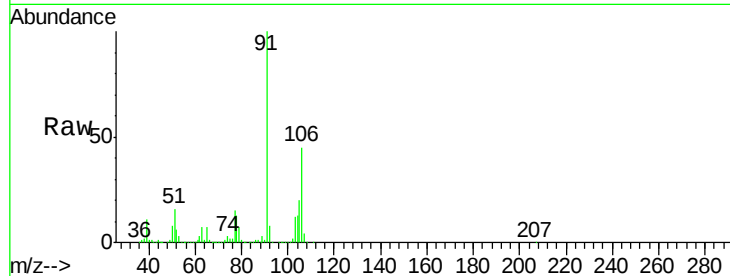




#69
o-Xylene
Concen: 19.37 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

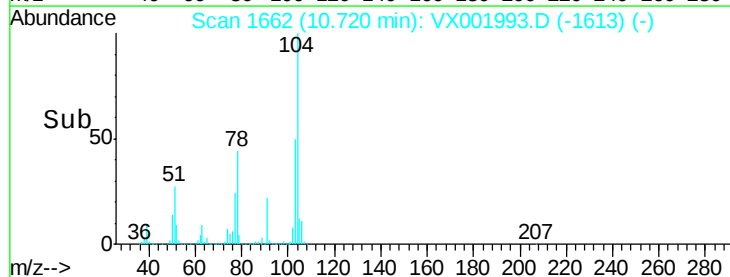
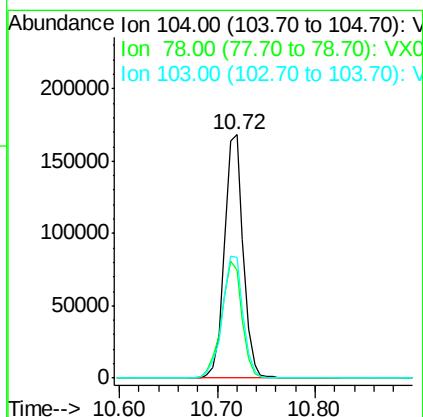
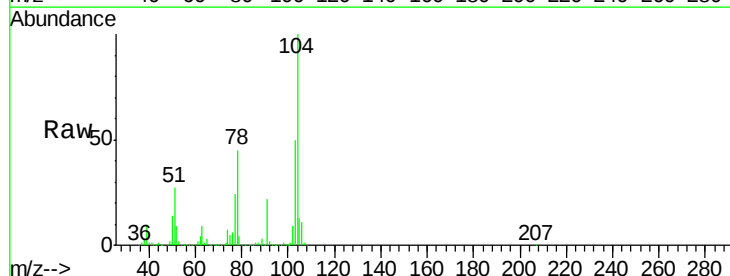
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD02

Tgt Ion:106 Resp: 136050
Ion Ratio Lower Upper
106 100
91 219.8 108.7 325.9



#70
Styrene
Concen: 19.16 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001993.D
Acq: 25 May 2018 23:16

Tgt Ion:104 Resp: 223238
Ion Ratio Lower Upper
104 100
78 52.7 41.8 62.6
103 55.6 44.6 67.0





#71

Bromoform

Concen: 18.41 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

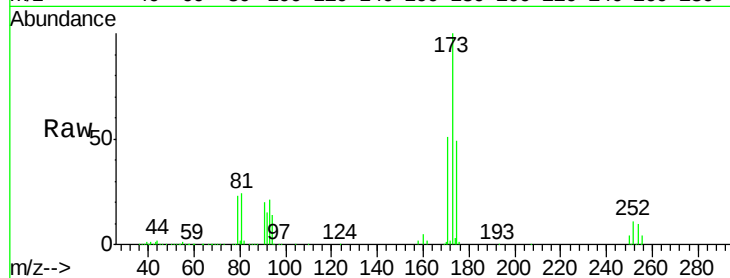
Tgt Ion:173 Resp: 74661

Ion Ratio Lower Upper

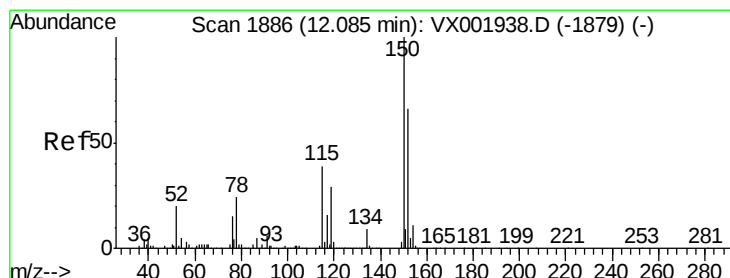
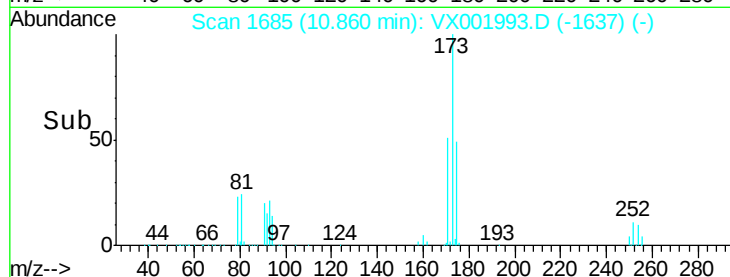
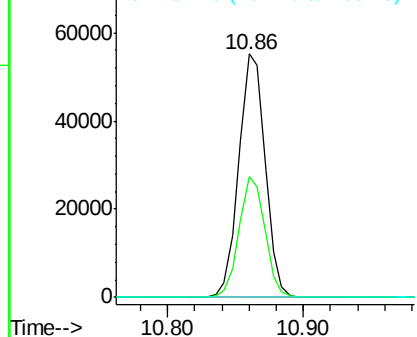
173 100

175 48.5 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

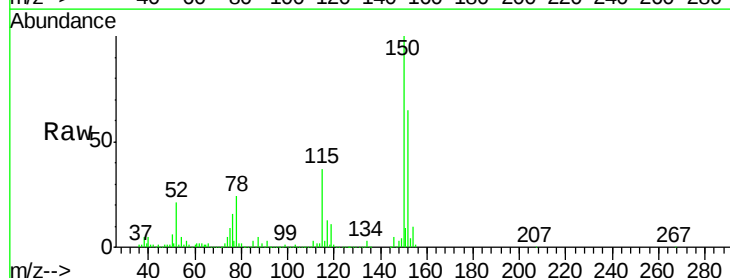
Tgt Ion:152 Resp: 215017

Ion Ratio Lower Upper

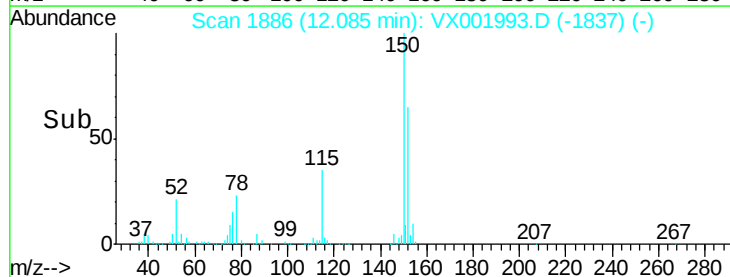
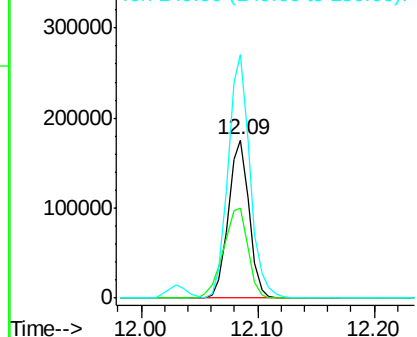
152 100

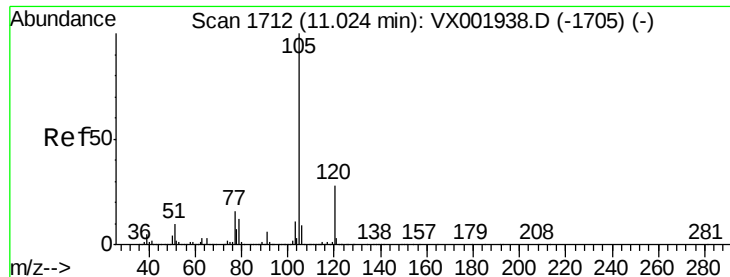
115 67.4 42.3 126.8

150 162.7 0.0 351.0



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





#73

Isopropylbenzene

Concen: 19.94 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

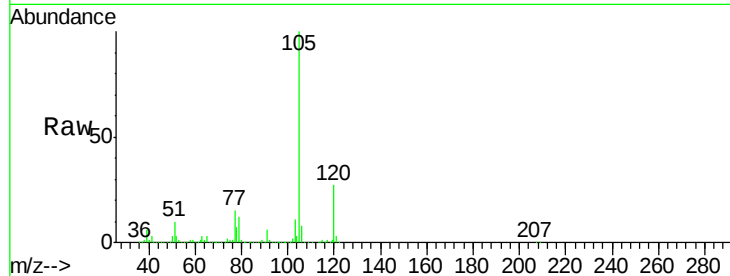
VX0525WBSD02

Tgt Ion:105 Resp: 363121

Ion Ratio Lower Upper

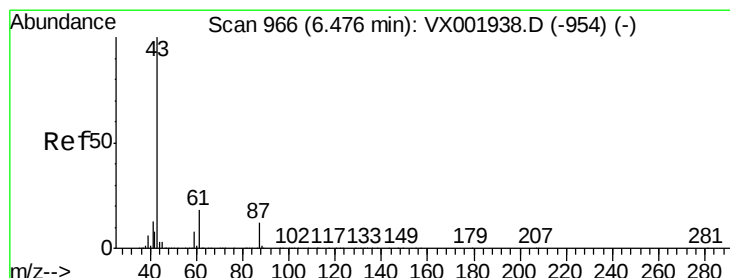
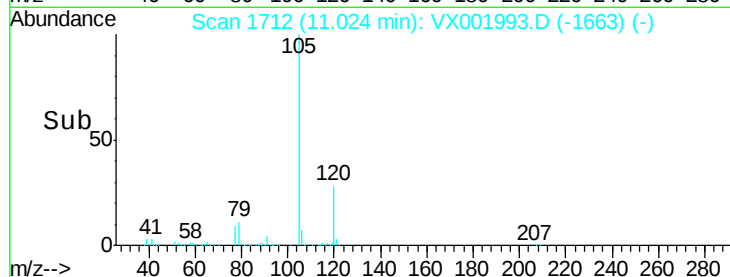
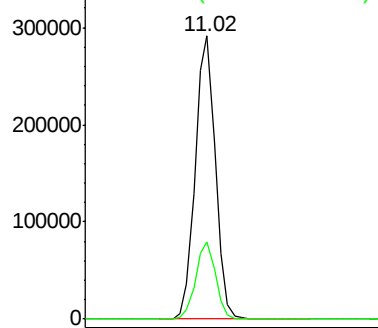
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.65 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Tgt Ion: 43 Resp: 221380

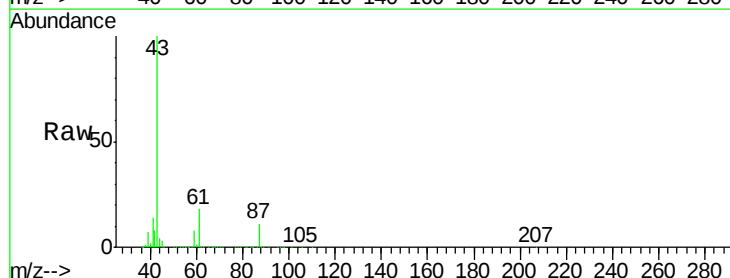
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.0 14.5 21.7

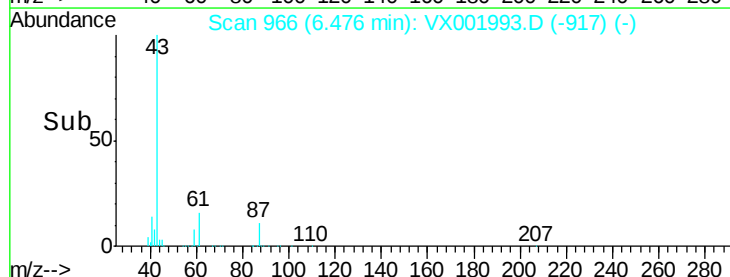
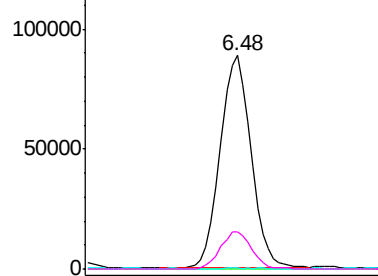


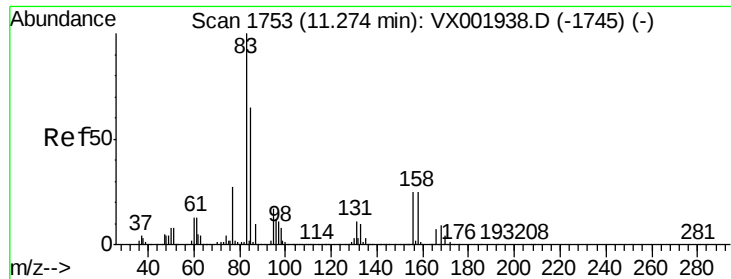
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.99 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

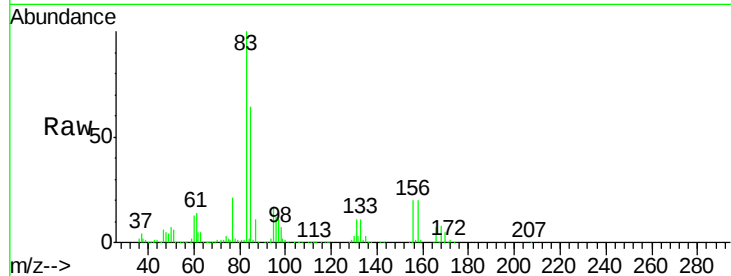
Tgt Ion: 83 Resp: 113053

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

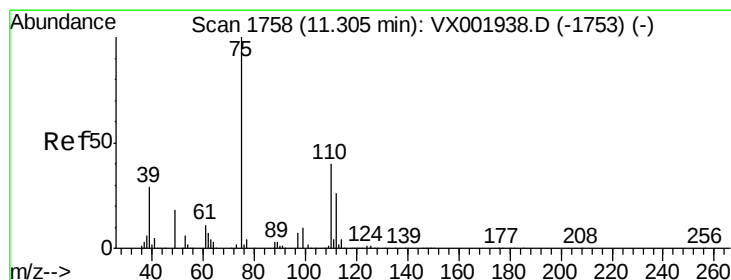
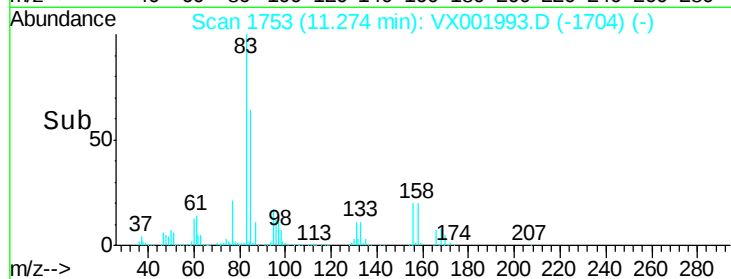
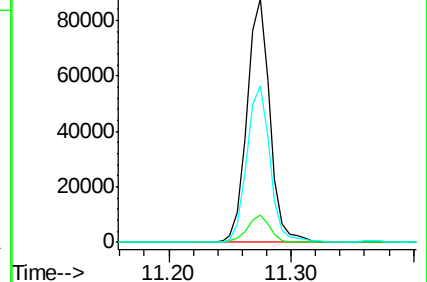
85 65.2 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.15 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001993.D

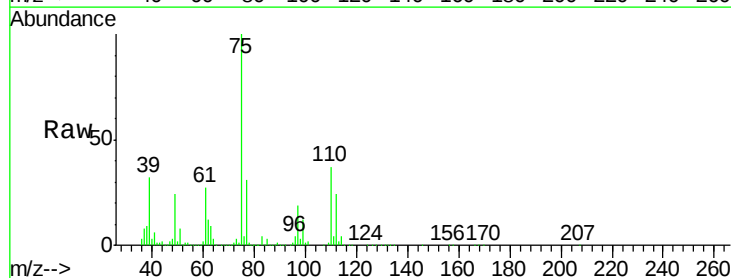
Acq: 25 May 2018 23:16

Tgt Ion: 75 Resp: 140199

Ion Ratio Lower Upper

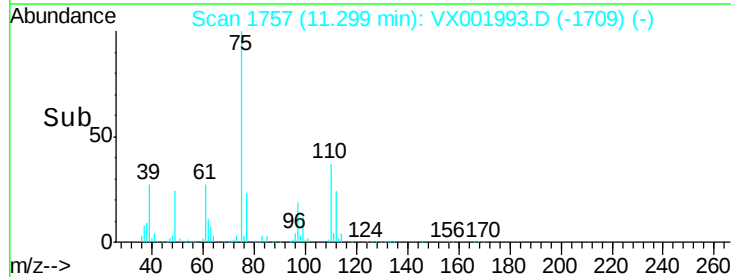
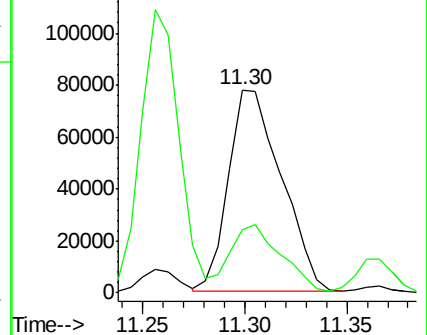
75 100

77 33.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.92 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

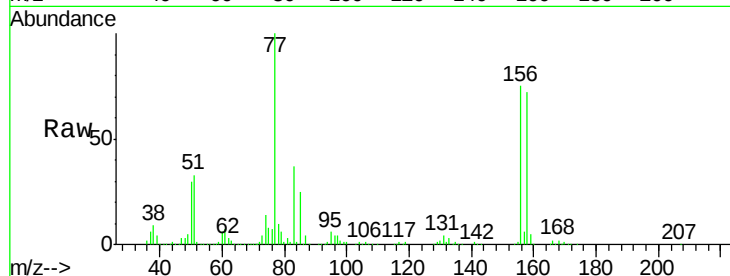
Tgt Ion:156 Resp: 96244

Ion Ratio Lower Upper

156 100

77 146.9 75.2 225.6

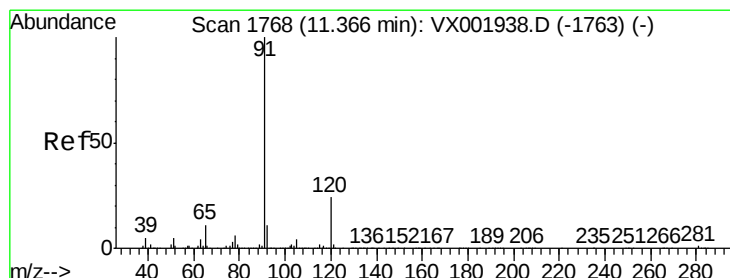
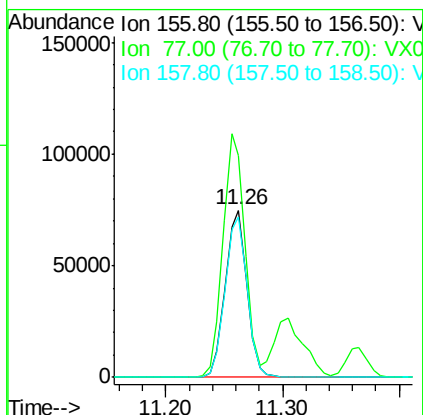
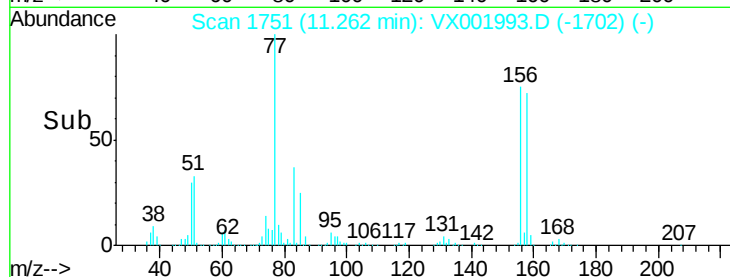
158 97.4 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.70 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001993.D

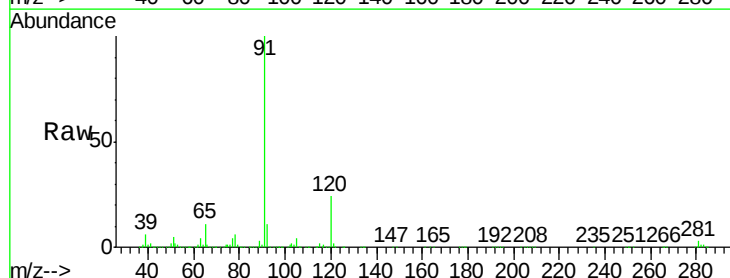
Acq: 25 May 2018 23:16

Tgt Ion: 91 Resp: 401647

Ion Ratio Lower Upper

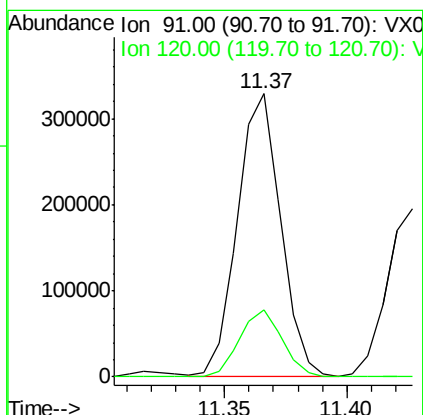
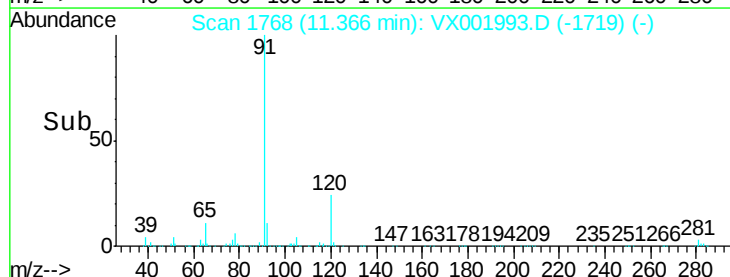
91 100

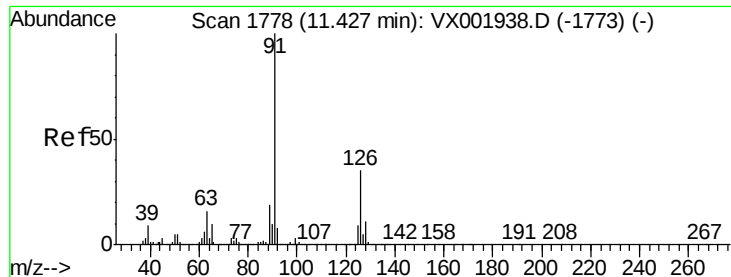
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.35 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

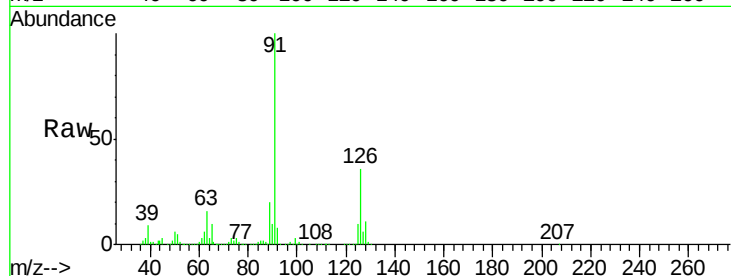
VX0525WBSD02

Tgt Ion: 91 Resp: 242947

Ion Ratio Lower Upper

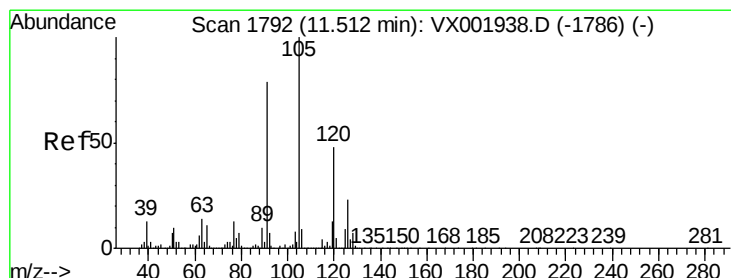
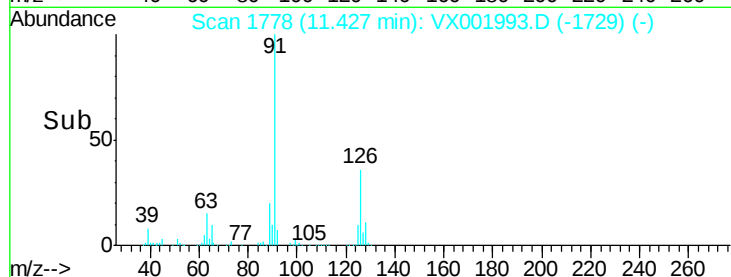
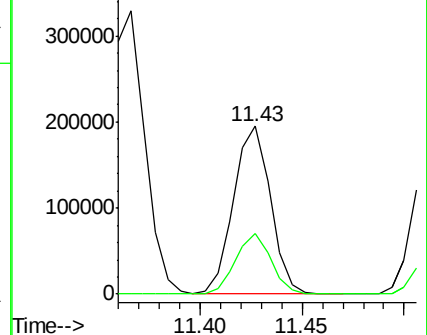
91 100

126 35.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001993.D

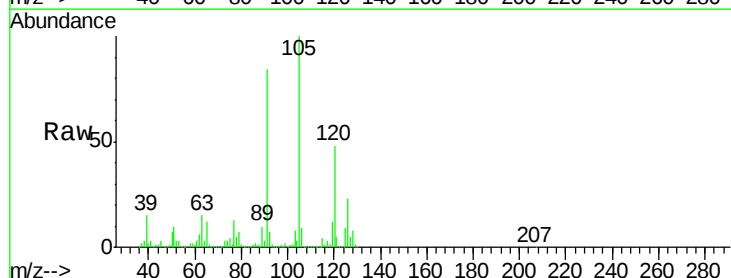
Acq: 25 May 2018 23:16

Tgt Ion: 105 Resp: 305139

Ion Ratio Lower Upper

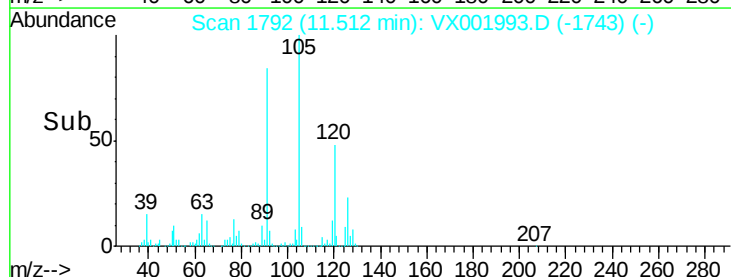
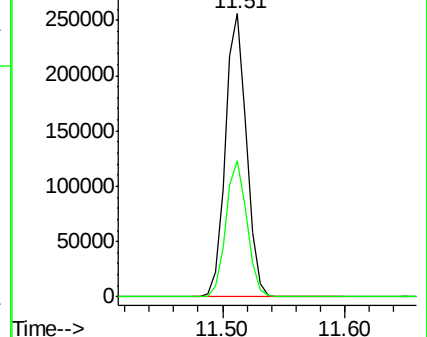
105 100

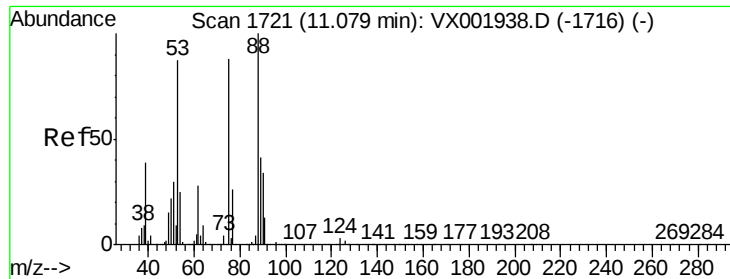
120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.39 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

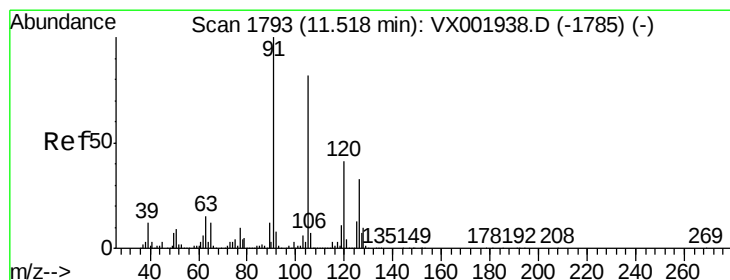
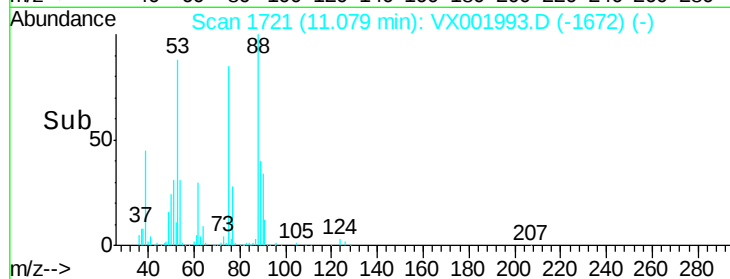
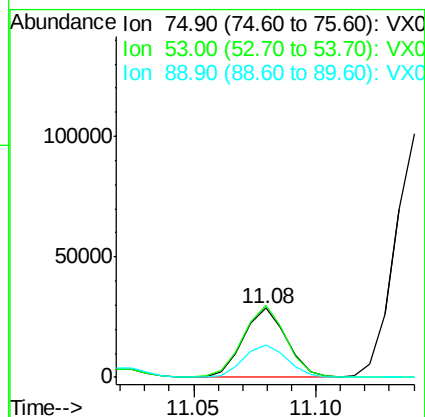
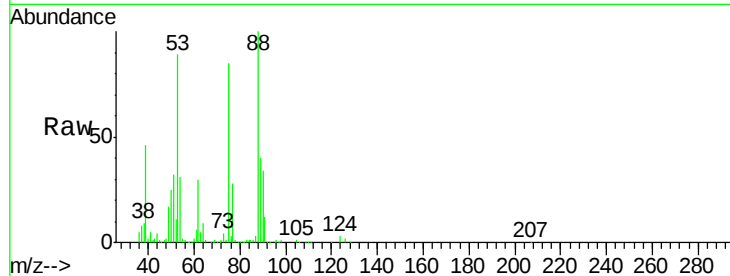
Tgt Ion: 75 Resp: 35227

Ion Ratio Lower Upper

75 100

53 102.4 78.0 117.0

89 47.5 39.4 59.2



#82

4-Chlorotoluene

Concen: 19.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX001993.D

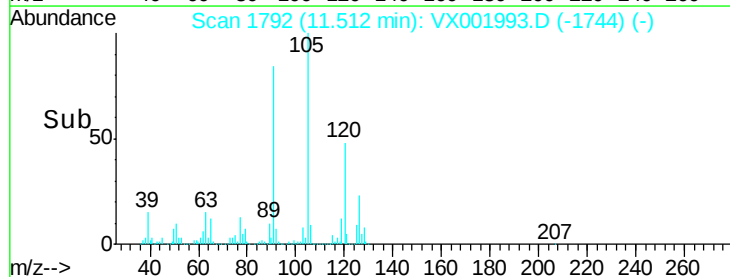
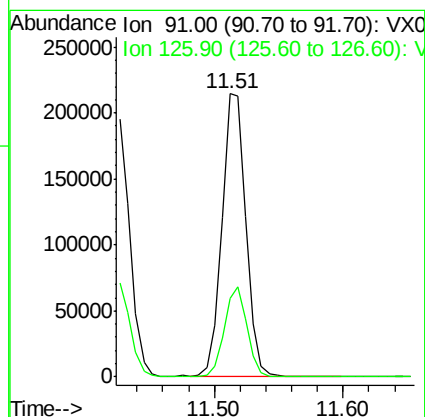
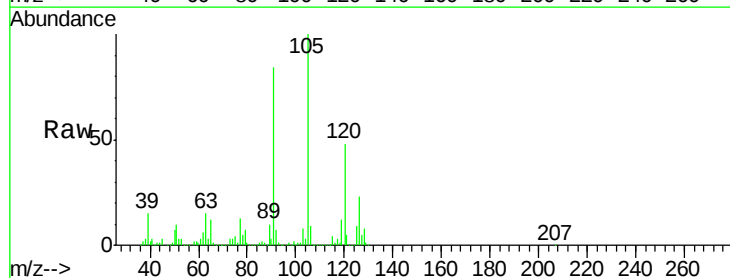
Acq: 25 May 2018 23:16

Tgt Ion: 91 Resp: 281395

Ion Ratio Lower Upper

91 100

126 30.2 15.3 45.8





#83

tert-Butylbenzene

Concen: 19.67 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

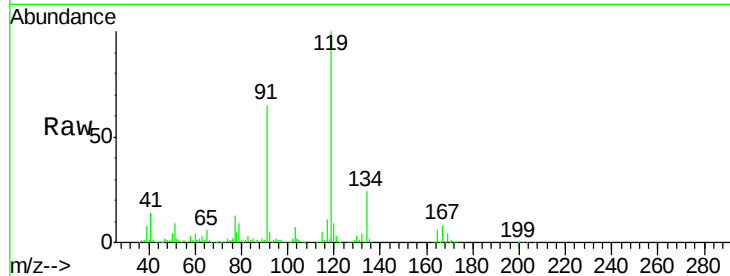
Tgt Ion:119 Resp: 300386

Ion Ratio Lower Upper

119 100

91 60.9 30.6 91.8

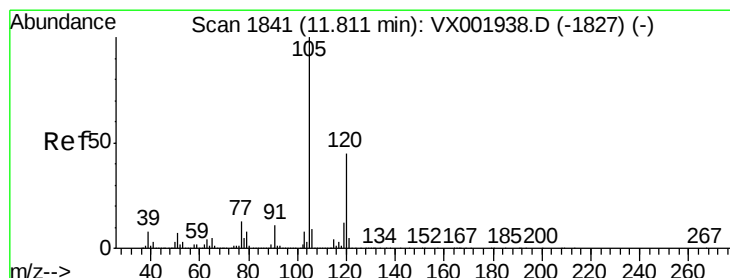
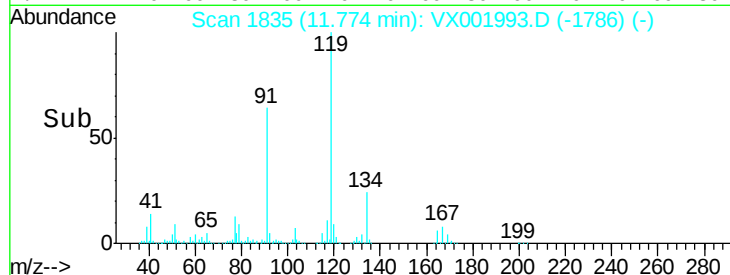
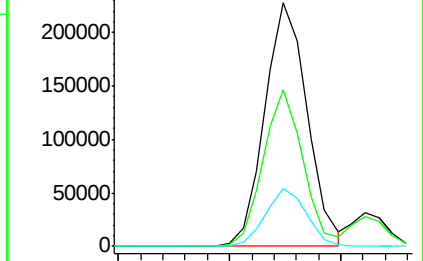
134 23.0 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.56 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001993.D

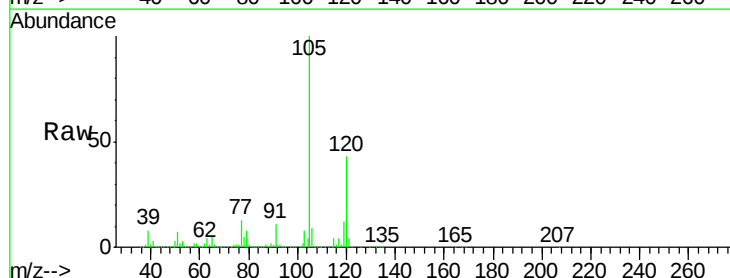
Acq: 25 May 2018 23:16

Tgt Ion:105 Resp: 314600

Ion Ratio Lower Upper

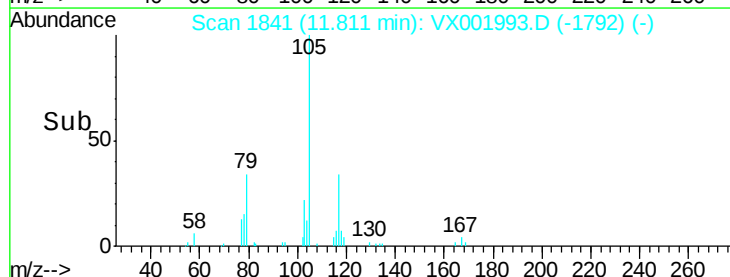
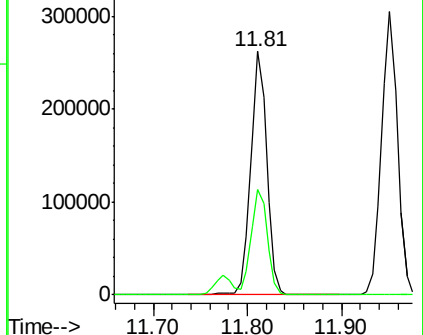
105 100

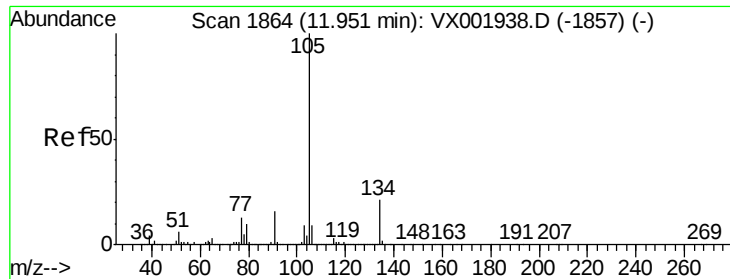
120 43.4 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

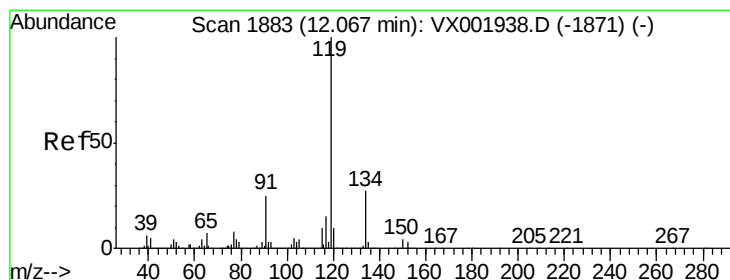
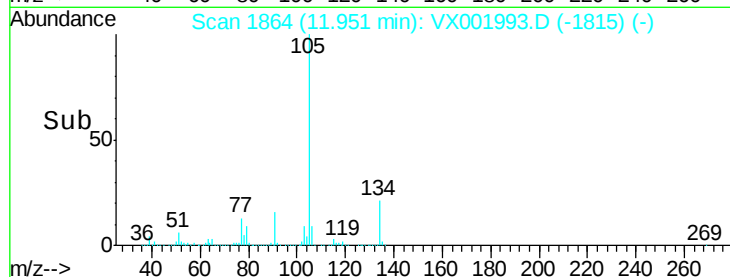
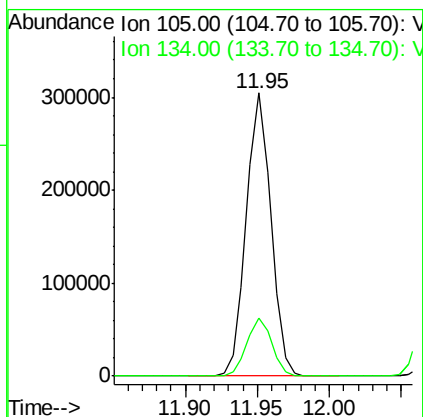
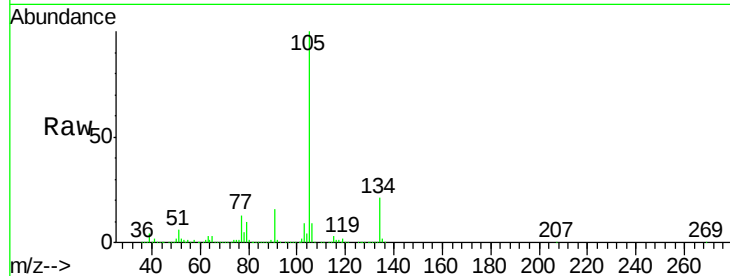




#85
 sec-Butylbenzene
 Concen: 19.64 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

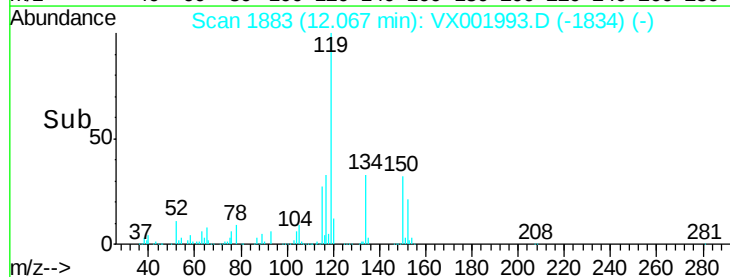
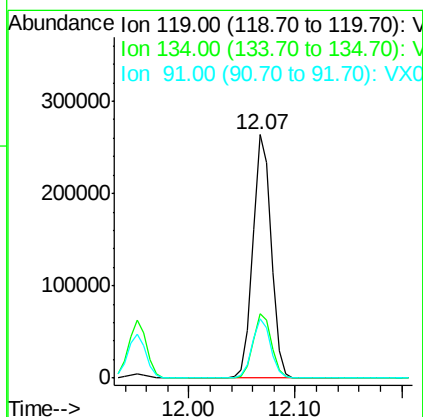
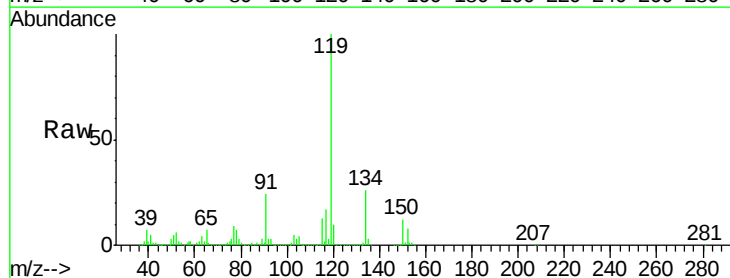
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

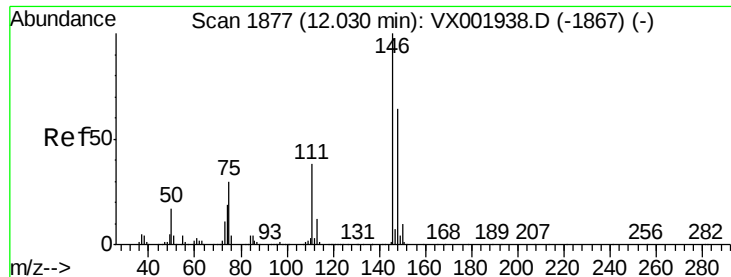
Tgt Ion:105 Resp: 360464
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 19.44 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion:119 Resp: 319330
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.8
 91 24.4 12.2 36.4

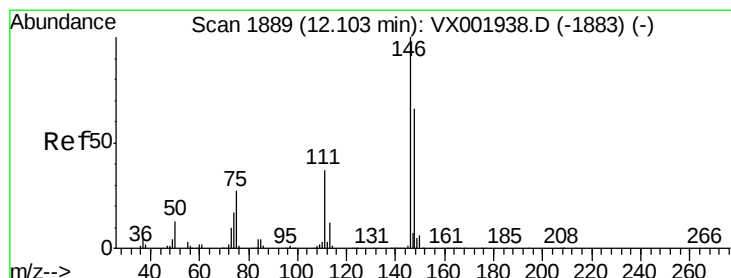
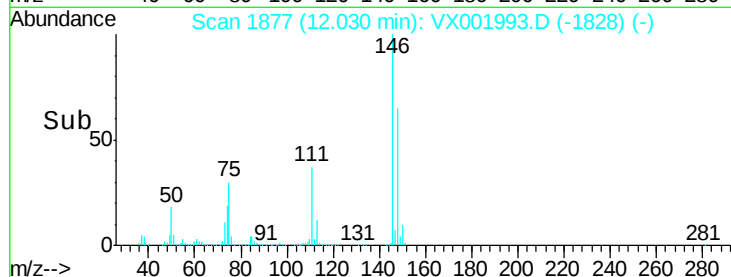
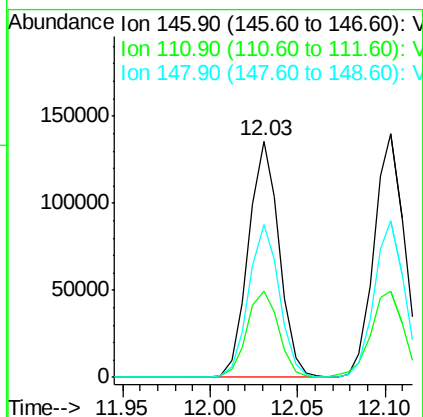
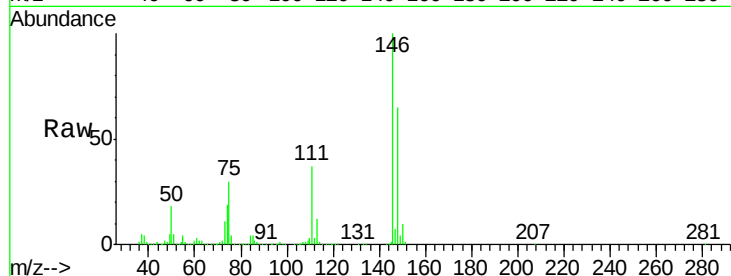




#87
 1,3-Dichlorobenzene
 Concen: 19.20 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

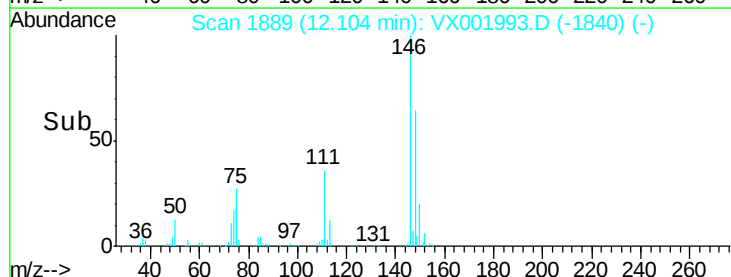
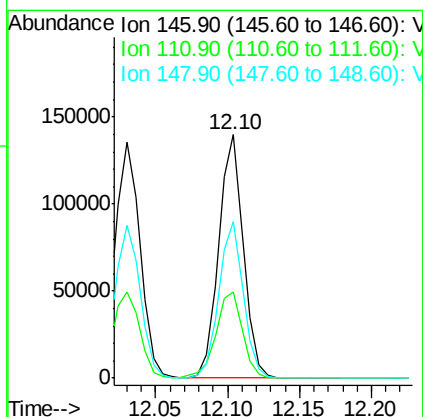
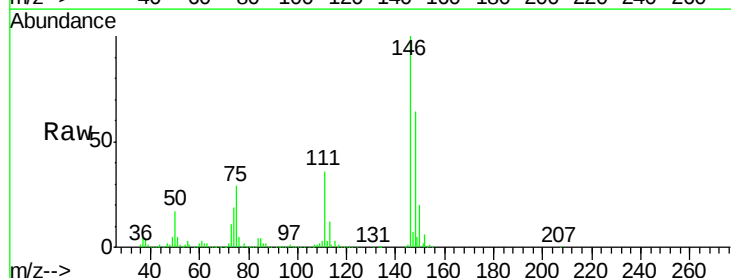
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

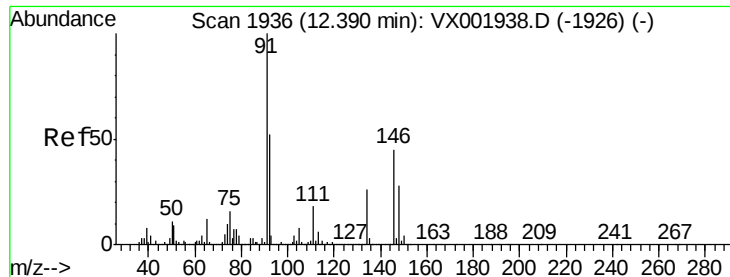
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.8
148	64.5	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	64.2	32.3	96.8





#89

n-Butylbenzene

Concen: 18.69 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

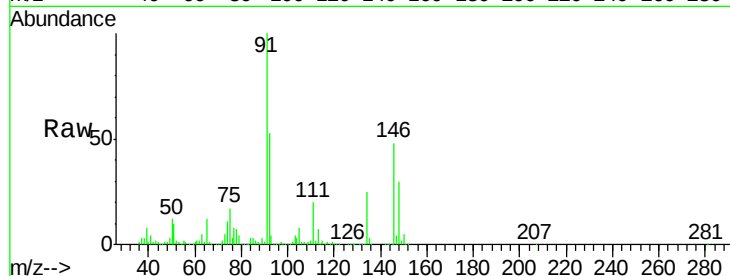
Tgt Ion: 91 Resp: 260068

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.9

134 27.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1926) (-)

Ion 92.00 (91.70 to 92.70): VX001938.D (-1926) (-)

Ion 134.00 (133.70 to 134.70): VX001938.D (-1926) (-)

12.39

250000

200000

150000

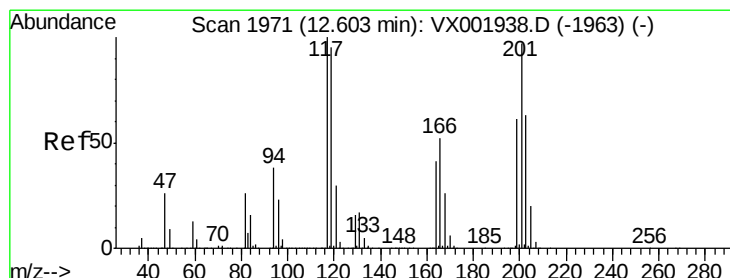
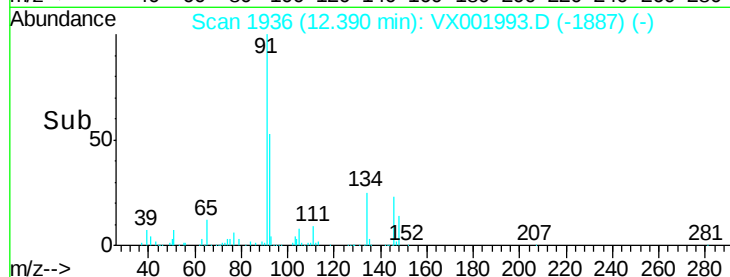
100000

50000

0

12.30 12.40 12.50

Time-->



#90

Hexachloroethane

Concen: 18.16 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001993.D

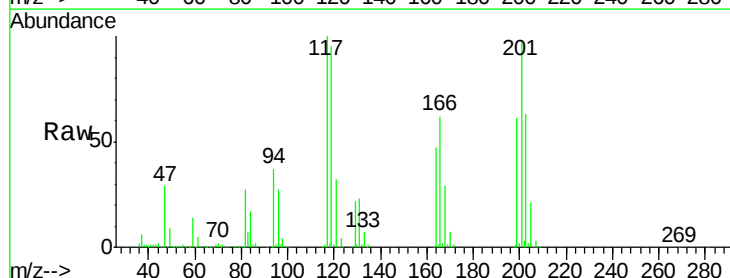
Acq: 25 May 2018 23:16

Tgt Ion: 117 Resp: 58826

Ion Ratio Lower Upper

117 100

201 93.7 48.0 144.0



Abundance Ion 116.80 (116.50 to 117.50): VX001938.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX001938.D (-1963) (-)

12.60

50000

40000

30000

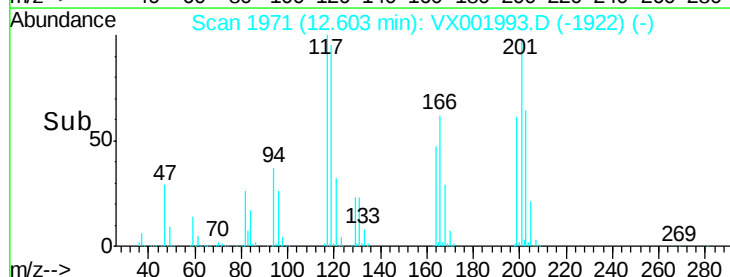
20000

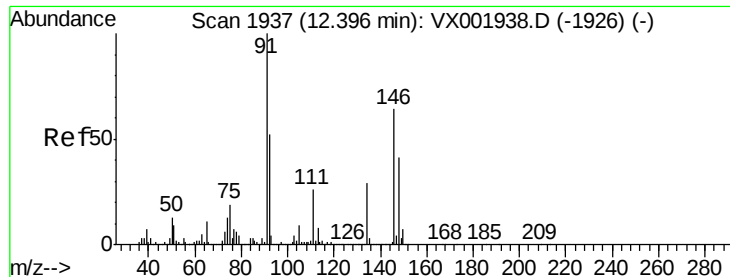
10000

0

12.55 12.60 12.65

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.92 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

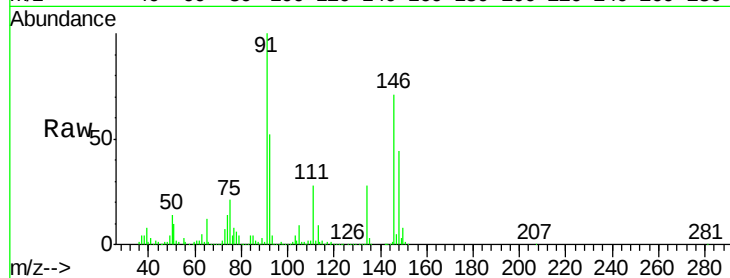
Tgt Ion:146 Resp: 175578

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

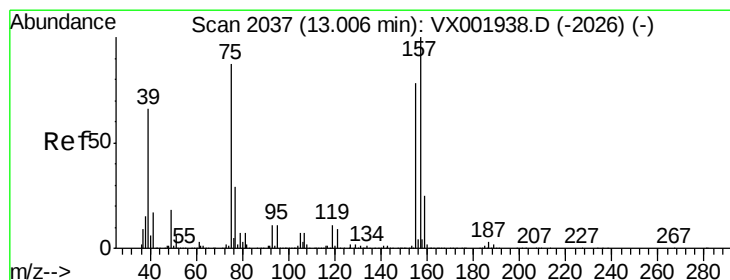
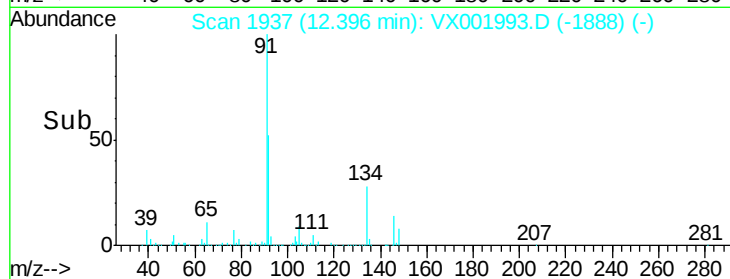
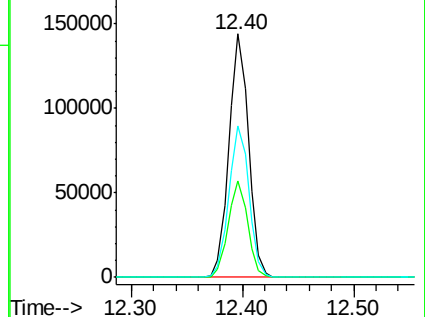
148 63.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.55 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

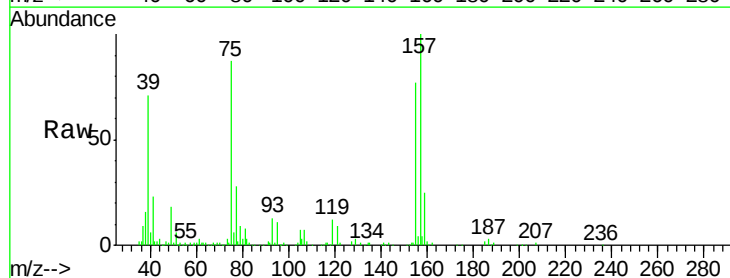
Tgt Ion: 75 Resp: 31642

Ion Ratio Lower Upper

75 100

155 87.5 45.1 135.2

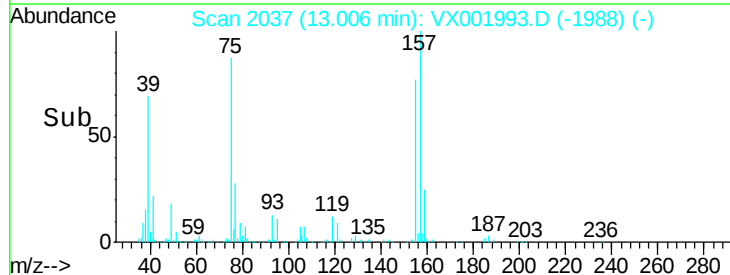
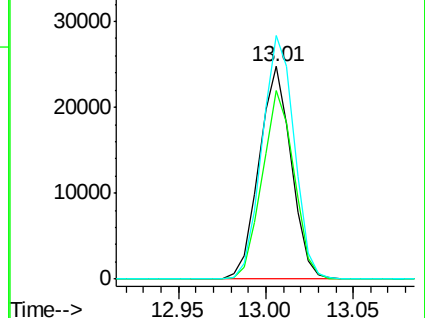
157 114.8 58.1 174.2

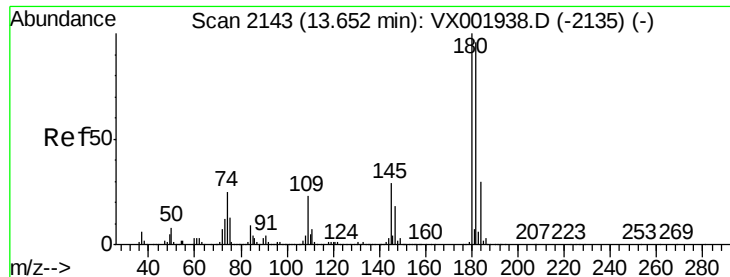


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

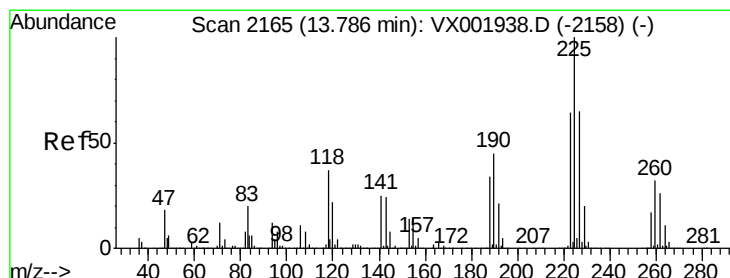
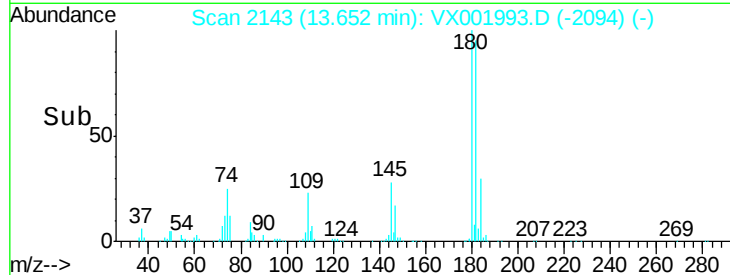
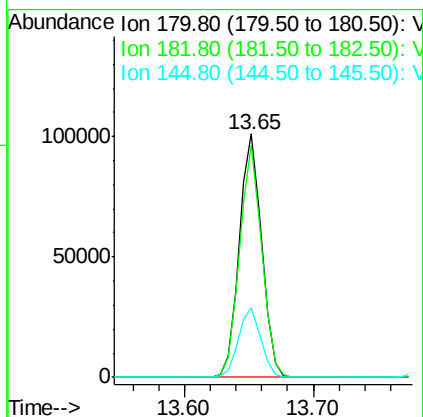
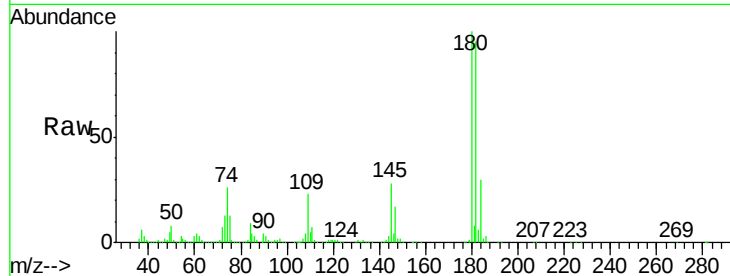




#93
 1,2,4-Trichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

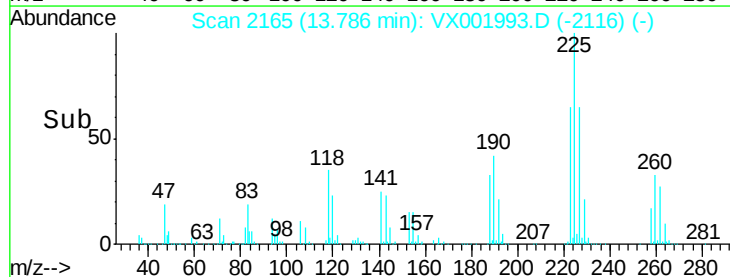
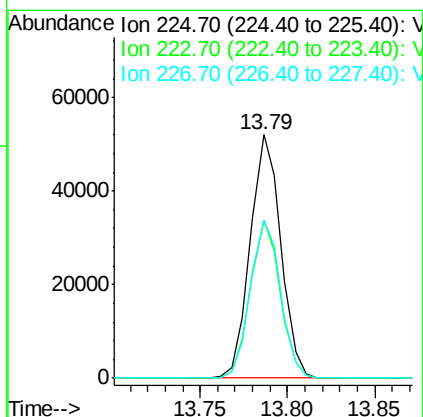
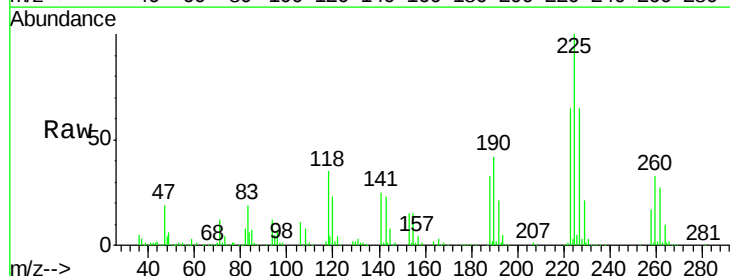
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD02

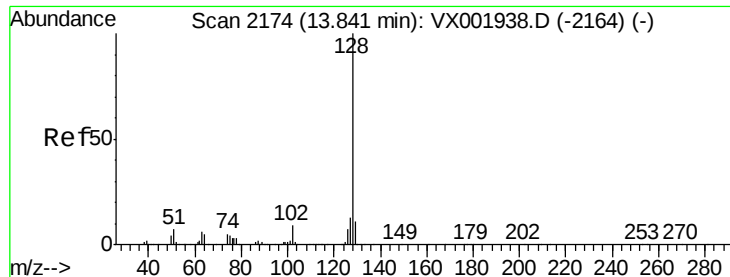
Tgt Ion:180 Resp: 121503
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.7 143.1
 145 28.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 18.62 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001993.D
 Acq: 25 May 2018 23:16

Tgt Ion:225 Resp: 63130
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.5
 227 64.2 32.1 96.5





#95

Naphthalene

Concen: 20.25 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD02

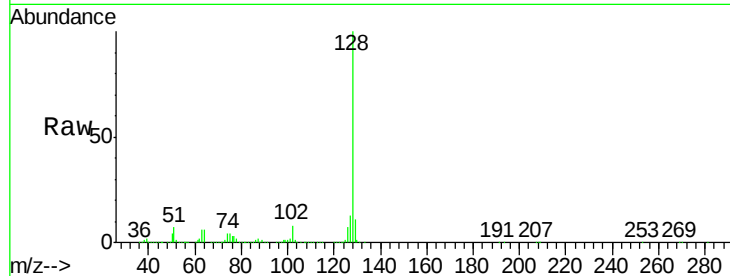
Tgt Ion:128 Resp: 393224

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

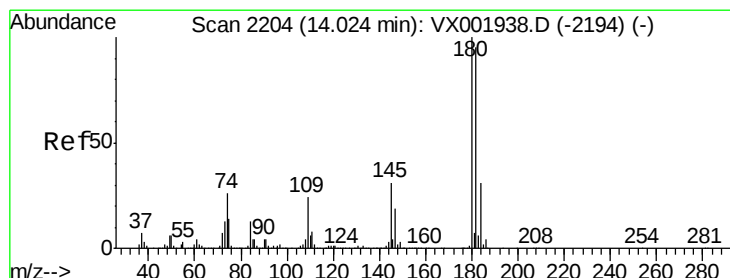
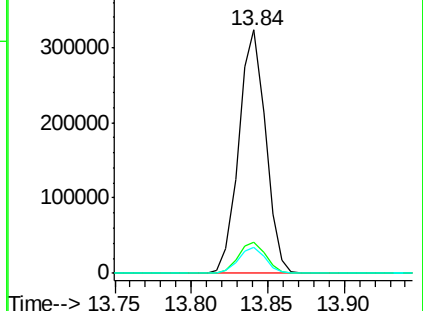
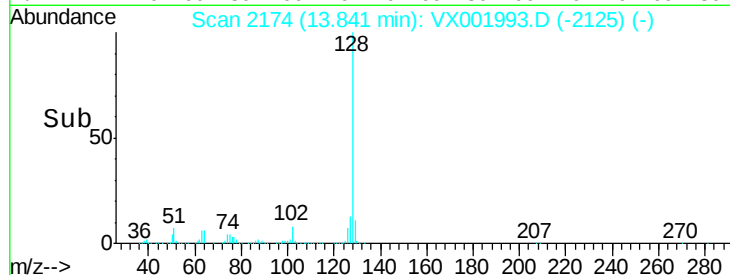
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.60 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

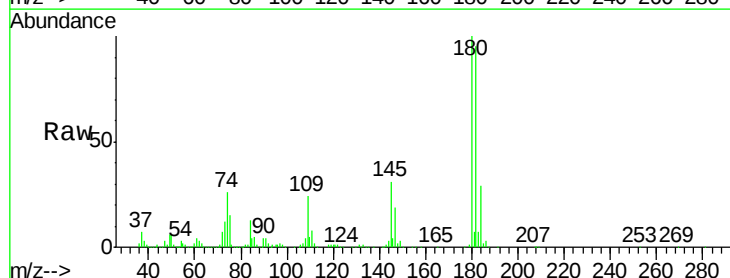
Tgt Ion:180 Resp: 127824

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.6

145 30.0 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

