

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002158.D
 Acq On : 31 May 2018 01:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 31 06:35:51 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	170952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	258216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	143367	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	108568	42.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.10%	
50) Toluene-d8	8.72	98	394893	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
62) 4-Bromofluorobenzene	11.14	95	157259	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85914	39.74	ug/l	100
3) Chloromethane	1.32	50	129021	49.05	ug/l	100
4) Vinyl Chloride	1.40	62	127748	50.30	ug/l	100
5) Bromomethane	1.64	94	65730	56.35	ug/l	98
6) Chloroethane	1.71	64	85952	57.41	ug/l	98
7) Trichlorofluoromethane	1.92	101	198662	52.09	ug/l	99
8) Diethyl Ether	2.19	74	88051	63.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110971	52.14	ug/l	97
10) Methyl Iodide	2.51	142	120488	41.84	ug/l	98
11) Tert butyl alcohol	3.09	59	221716	369.63	ug/l	98
12) 1,1-Dichloroethene	2.37	96	106965	53.68	ug/l	97
13) Acrolein	2.30	56	66082	254.80	ug/l	98
14) Allyl chloride	2.73	41	248550	59.42	ug/l	98
15) Acrylonitrile	3.15	53	448918	363.95	ug/l	99
16) Acetone	2.45	43	432809	367.00	ug/l	100
17) Carbon Disulfide	2.57	76	254893	44.45	ug/l	100
18) Methyl Acetate	2.78	43	222319	78.91	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	471740	62.95	ug/l	100
20) Methylene Chloride	2.85	84	138906	68.65	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	118863	61.64	ug/l	98
22) Diisopropyl ether	3.88	45	459767	54.04	ug/l	99
23) Vinyl Acetate	3.83	43	2056966	291.61	ug/l	98
24) 1,1-Dichloroethane	3.70	63	221808	54.88	ug/l	99
25) 2-Butanone	4.71	43	635510	294.02	ug/l	99
26) 2,2-Dichloropropane	4.59	77	144261	35.27	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	130911	50.38	ug/l	97
28) Bromochloromethane	5.02	49	112413	66.89	ug/l	99
29) Tetrahydrofuran	5.17	42	416767	296.36	ug/l	99
30) Chloroform	5.22	83	236987	52.05	ug/l	99
31) Cyclohexane	5.58	56	184028	43.71	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	196887	46.38	ug/l	99
36) 1,1-Dichloropropene	5.81	75	156362	43.53	ug/l	98
37) Ethyl Acetate	4.87	43	242749	51.84	ug/l	99
38) Carbon Tetrachloride	5.79	117	168296	40.18	ug/l	97

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 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	182021	41.25	ug/l	96
40) Benzene	6.15	78	514597	48.90	ug/l	99
41) Methacrylonitrile	5.07	41	137927	55.98	ug/l	99
42) 1,2-Dichloroethane	6.20	62	209037	49.73	ug/l	99
43) Isopropyl Acetate	6.47	43	396290	50.79	ug/l	99
44) Trichloroethene	7.22	130	141744	46.23	ug/l	97
45) 1,2-Dichloropropane	7.52	63	141361	49.47	ug/l	98
46) Dibromomethane	7.67	93	93603	49.47	ug/l	99
47) Bromodichloromethane	7.90	83	176439	43.74	ug/l	99
48) Methyl methacrylate	7.78	41	203146	51.16	ug/l	98
49) 1,4-Dioxane	7.76	88	83754	1196.91	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1317922	280.22	ug/l	100
52) Toluene	8.79	92	325385	48.59	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	205812	44.30	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	196662	43.44	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	141412	50.55	ug/l	99
56) Ethyl methacrylate	9.19	69	237352	49.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	234964	50.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	525564	246.43	ug/l	99
59) 2-Hexanone	9.50	43	1035619	285.57	ug/l	99
60) Dibromochloromethane	9.59	129	146861	44.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	151461	51.60	ug/l	100
64) Tetrachloroethene	9.34	164	163846	46.45	ug/l	100
65) Chlorobenzene	10.14	112	371200	47.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	143515	45.60	ug/l	99
67) Ethyl Benzene	10.26	91	636141	46.97	ug/l	99
68) m/p-Xylenes	10.37	106	490648	94.78	ug/l	100
69) o-Xylene	10.70	106	248548	48.09	ug/l	100
70) Styrene	10.72	104	414012	48.30	ug/l	100
71) Bromoform	10.86	173	119712	40.11	ug/l #	99
73) Isopropylbenzene	11.02	105	636622	46.65	ug/l	100
74) N-amyl acetate	6.47	43	396290	56.37	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	213774	57.46	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	268160	69.27	ug/l	81
77) Bromobenzene	11.26	156	180102	49.74	ug/l	97
78) n-propylbenzene	11.37	91	704870	46.11	ug/l	100
79) 2-Chlorotoluene	11.43	91	445560	53.29	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	549712	47.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	62012	38.50	ug/l	89
82) 4-Chlorotoluene	11.52	91	514986	47.77	ug/l	100
83) tert-Butylbenzene	11.77	119	522743	45.67	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	571813	47.44	ug/l	100
85) sec-Butylbenzene	11.95	105	626836	45.56	ug/l	99
86) p-Isopropyltoluene	12.07	119	561597	45.62	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	310967	47.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	315441	48.65	ug/l	99
89) n-Butylbenzene	12.39	91	460028	44.10	ug/l	99
90) Hexachloroethane	12.60	117	89803	36.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	327846	49.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54963	45.30	ug/l	99

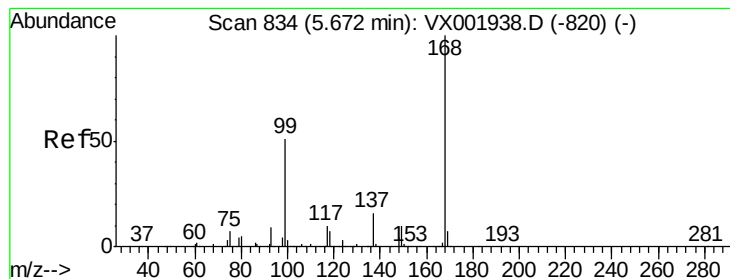
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	219177	46.39	ug/l	99
94) Hexachlorobutadiene	13.79	225	104049	40.94	ug/l	100
95) Naphthalene	13.84	128	738914	50.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	229445	46.93	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

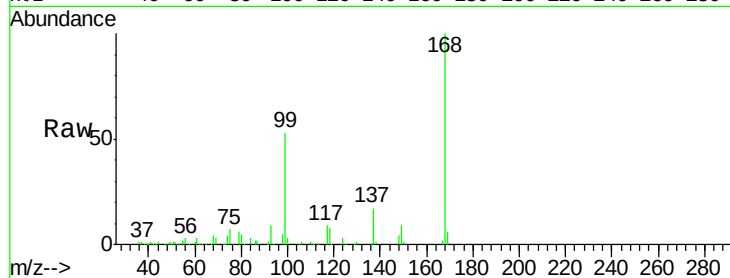
VSTDCCC050

Tgt Ion:168 Resp: 170952

Ion Ratio Lower Upper

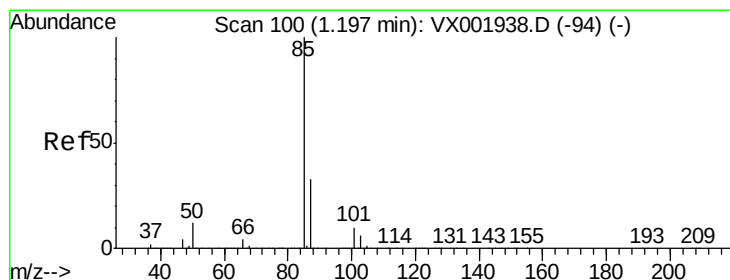
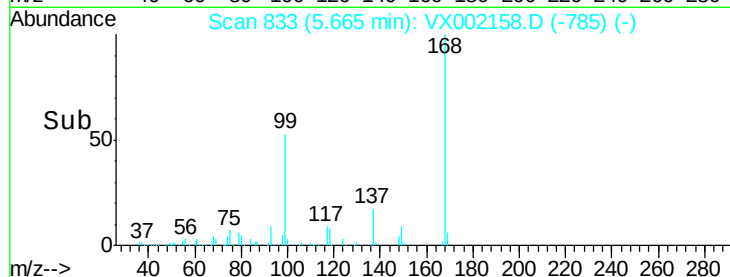
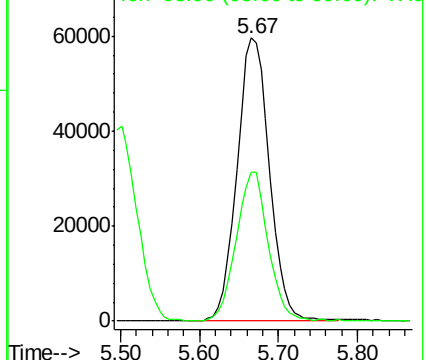
168 100

99 52.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 39.74 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002158.D

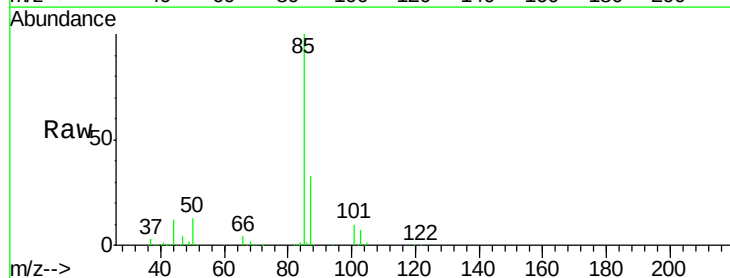
Acq: 31 May 2018 01:17

Tgt Ion: 85 Resp: 85914

Ion Ratio Lower Upper

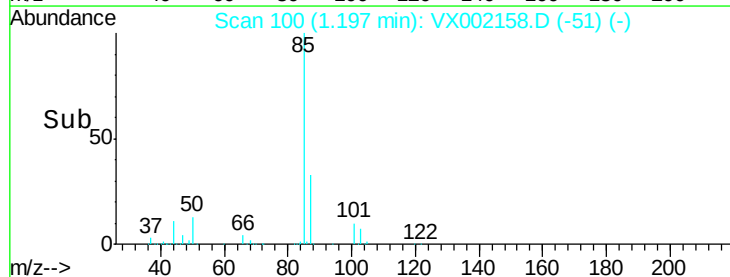
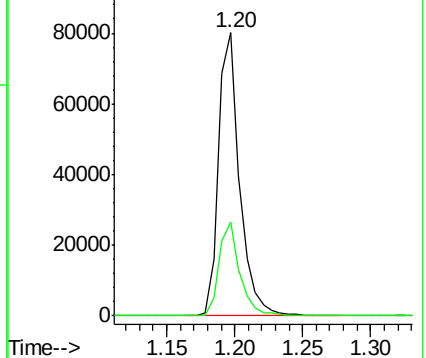
85 100

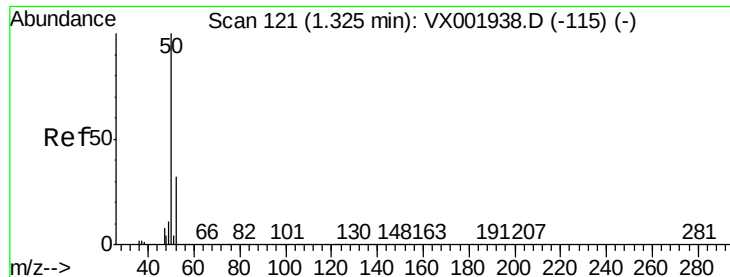
87 33.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

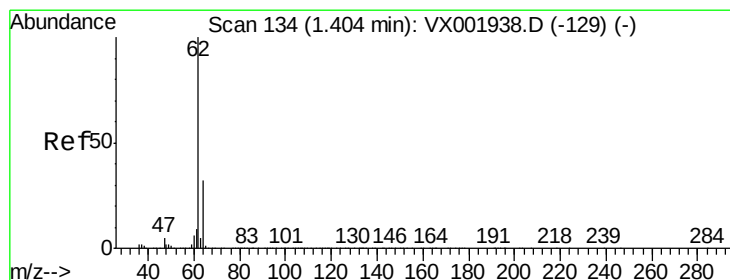
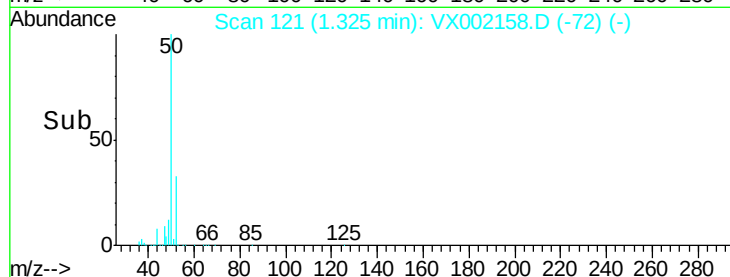
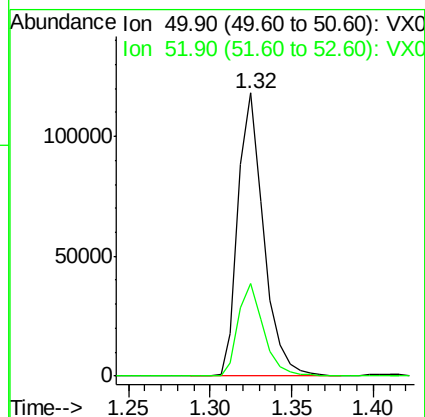
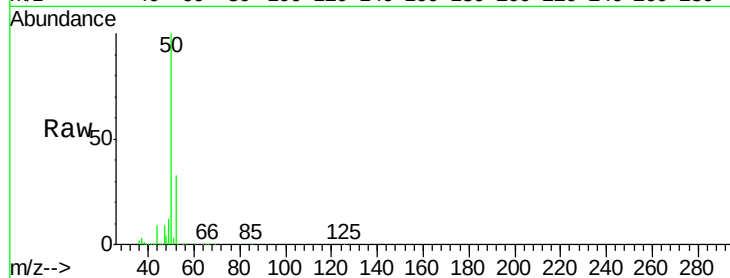
VSTDCCC050

Tgt Ion: 50 Resp: 129021

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 50.30 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002158.D

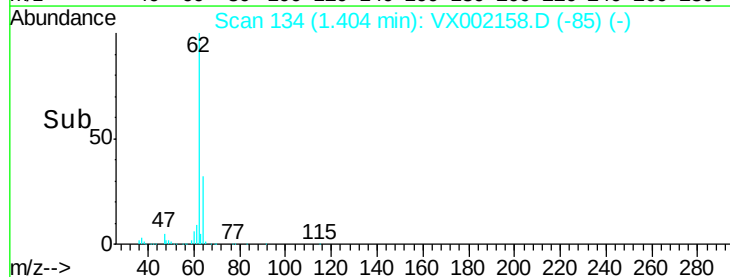
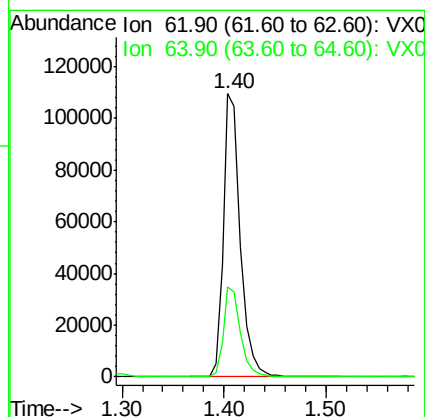
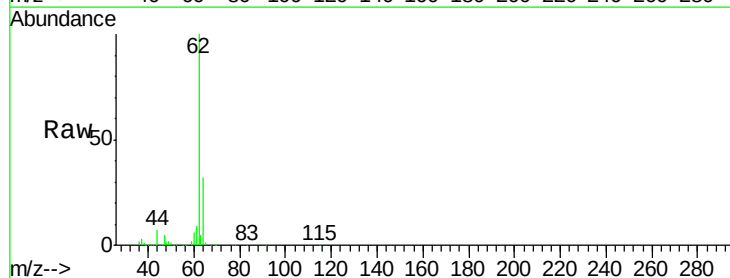
Acq: 31 May 2018 01:17

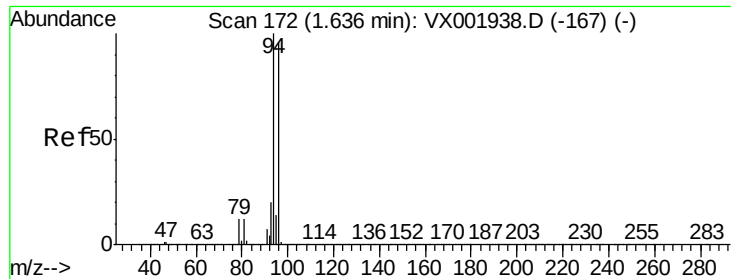
Tgt Ion: 62 Resp: 127748

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 56.35 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

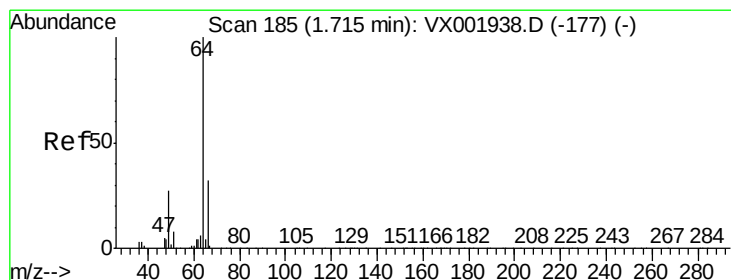
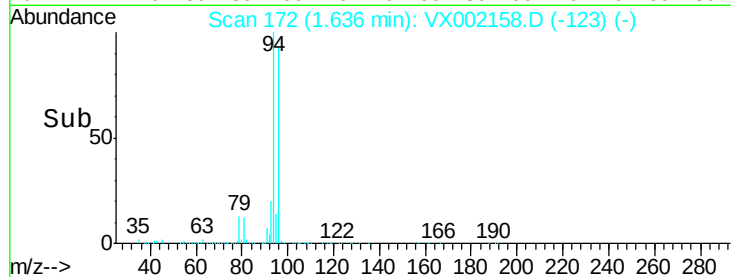
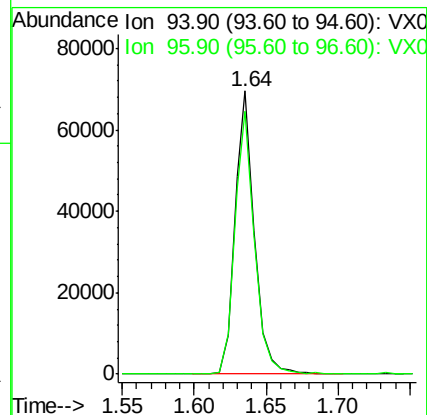
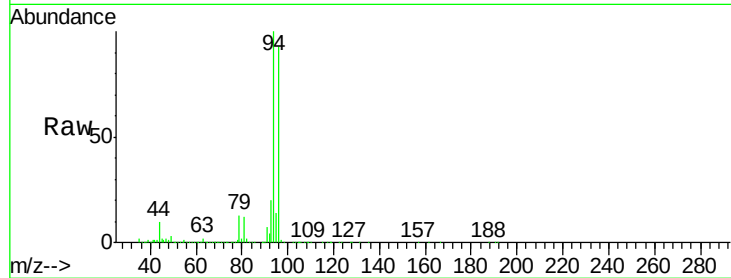
VSTDCCC050

Tgt Ion: 94 Resp: 65730

Ion Ratio Lower Upper

94 100

96 93.1 75.9 113.9



#6

Chloroethane

Concen: 57.41 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002158.D

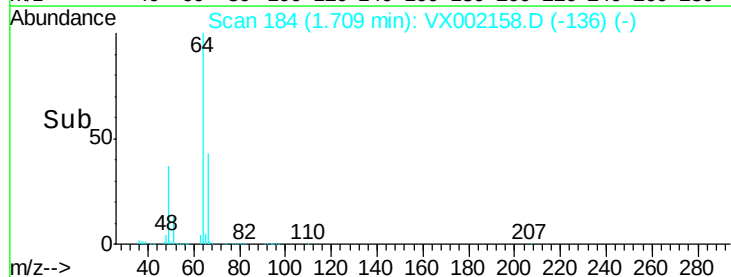
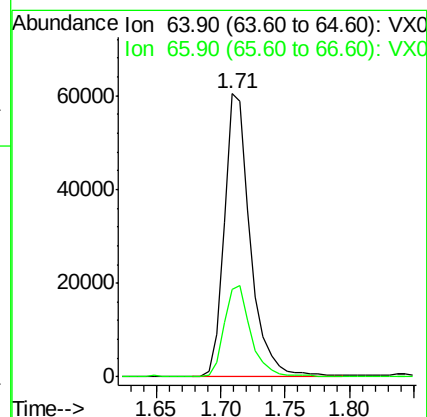
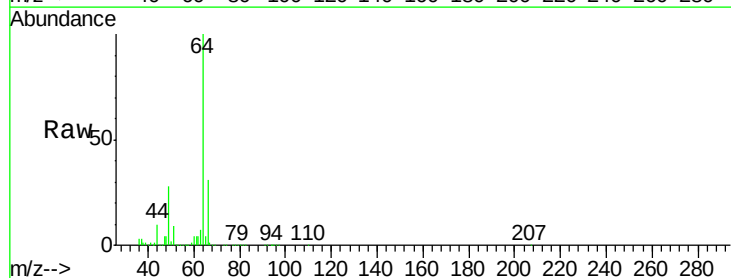
Acq: 31 May 2018 01:17

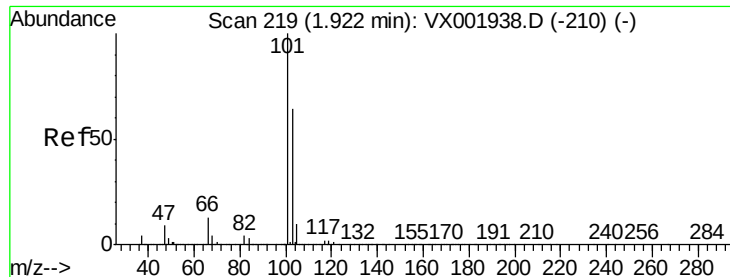
Tgt Ion: 64 Resp: 85952

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4



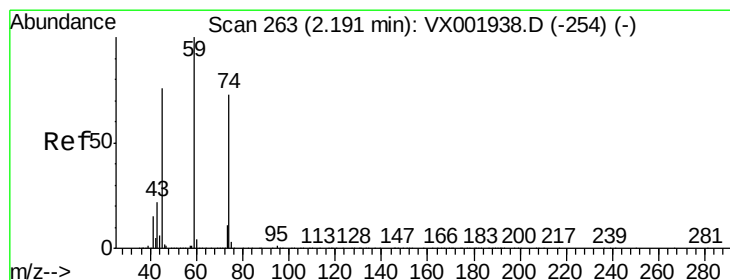
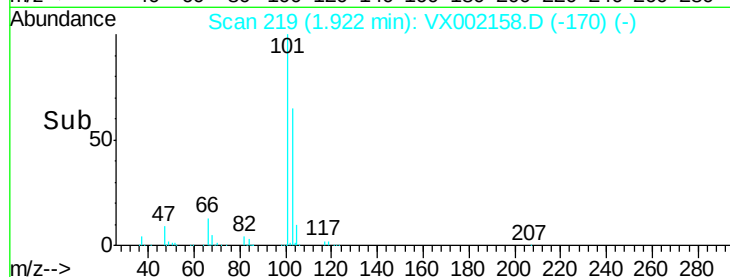
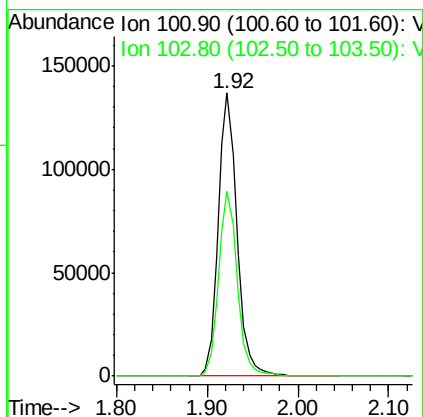
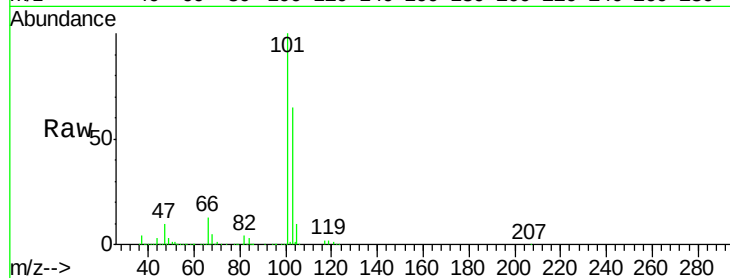


#7

Trichlorofluoromethane
Concen: 52.09 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

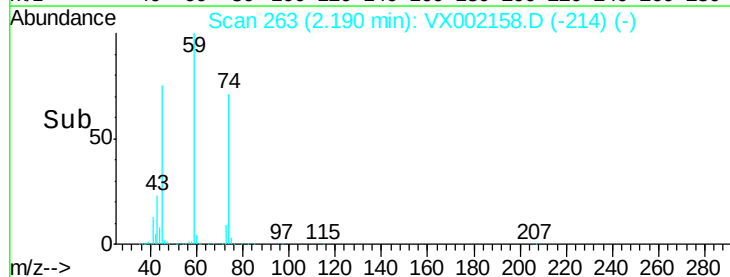
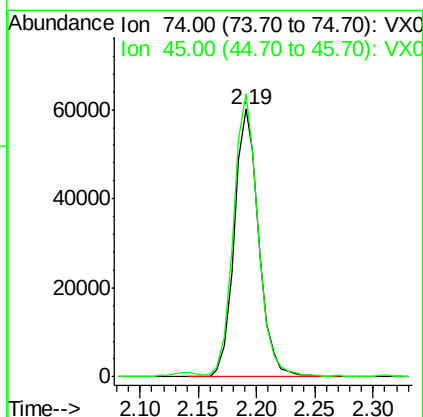
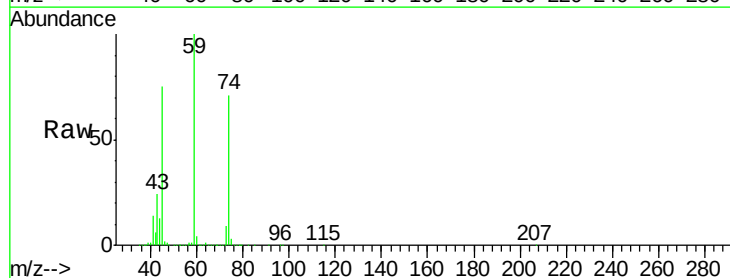
Tgt Ion:101 Resp: 198662
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0

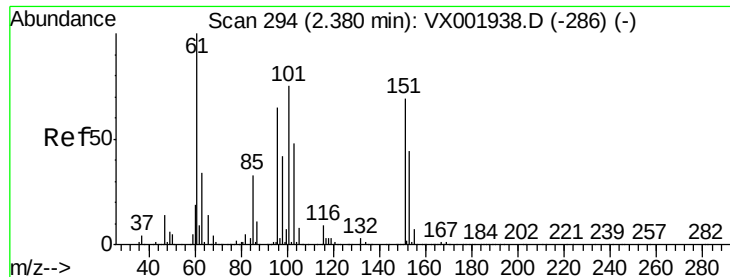


#8

Diethyl Ether
Concen: 63.63 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 74 Resp: 88051
Ion Ratio Lower Upper
74 100
45 105.3 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

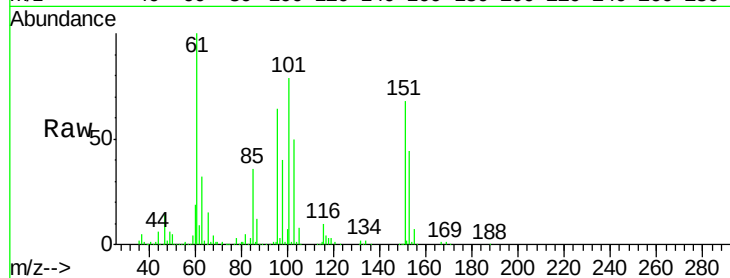
Tgt Ion:101 Resp: 110971

Ion Ratio Lower Upper

101 100

85 45.1 35.6 53.4

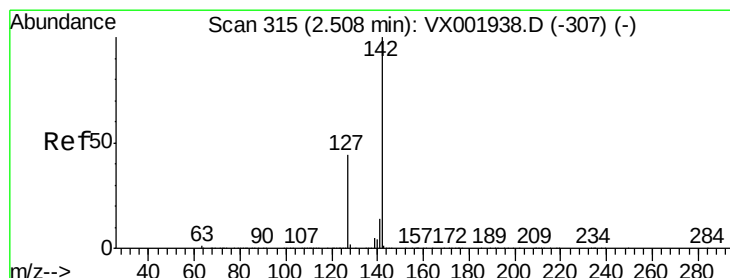
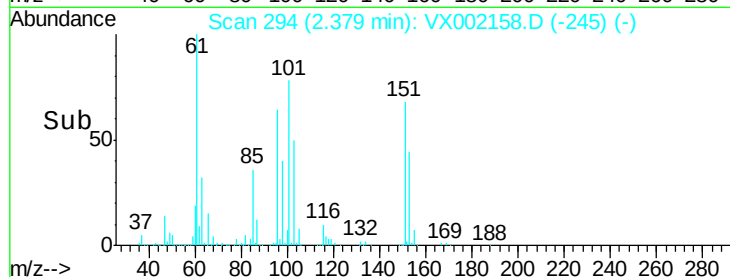
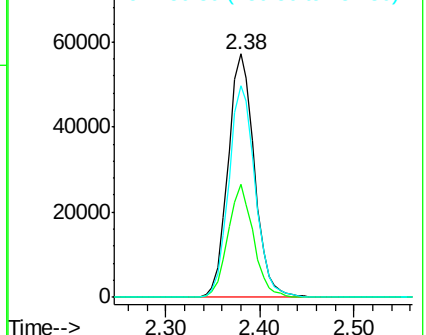
151 87.4 73.2 109.8



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: 41.84 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

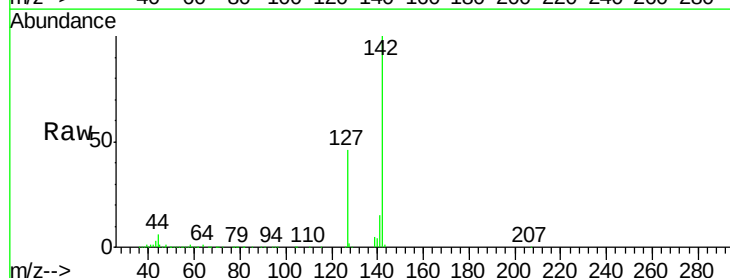
Tgt Ion:142 Resp: 120488

Ion Ratio Lower Upper

142 100

127 46.2 35.5 53.3

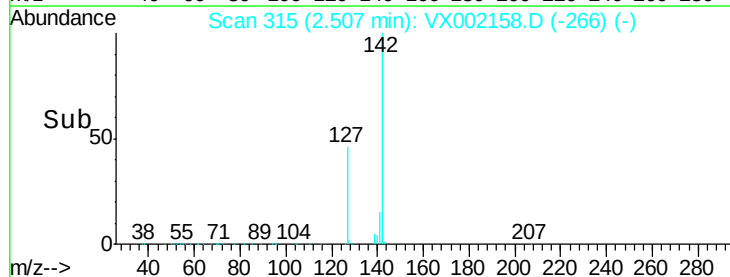
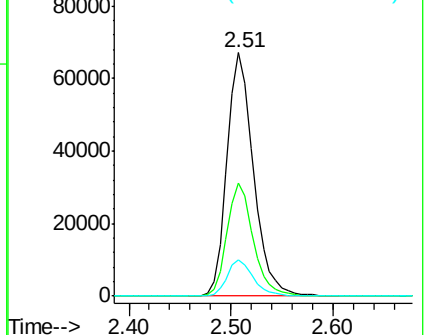
141 14.8 11.3 16.9

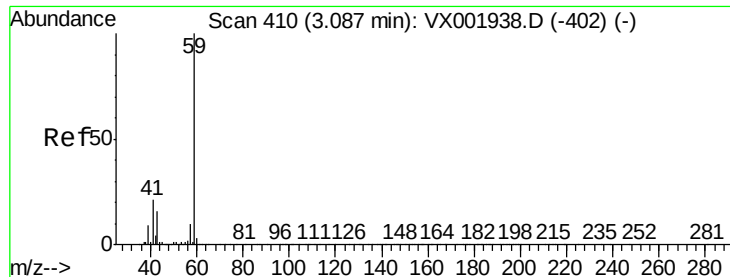


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



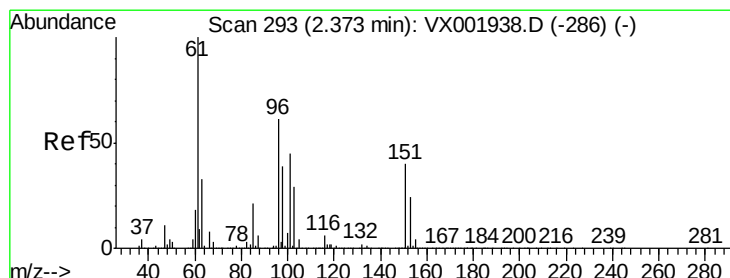
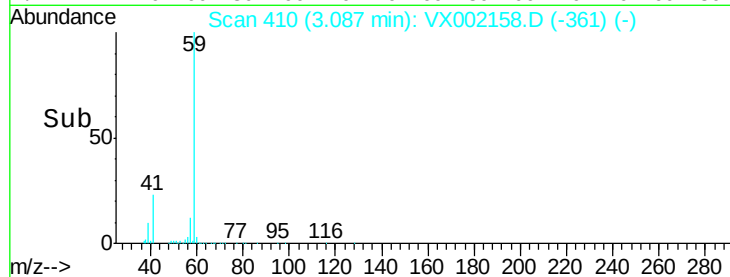
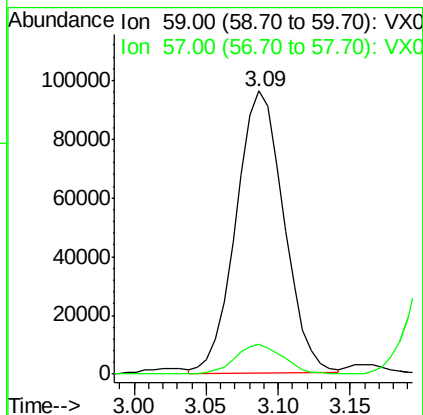
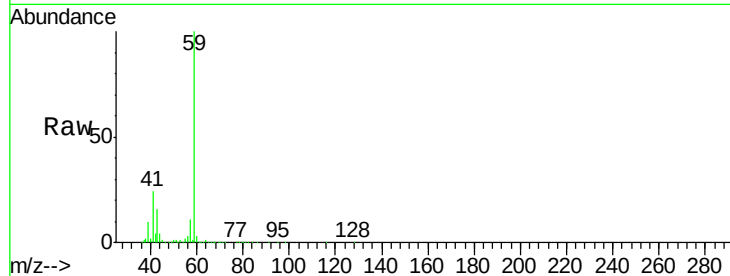


#11

Tert butyl alcohol
Concen: 369.63 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

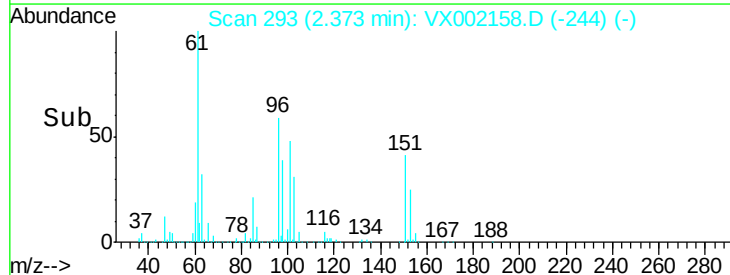
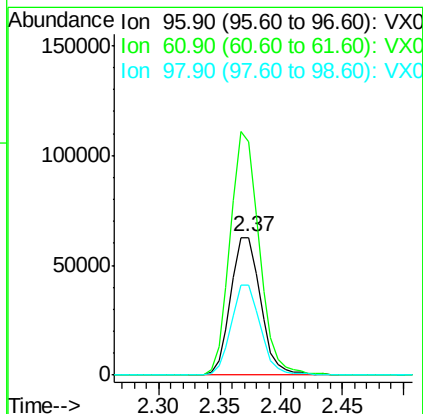
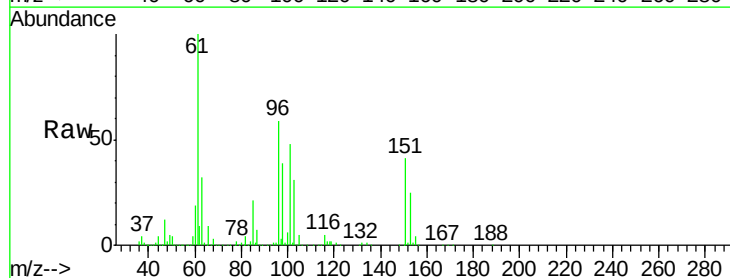
Tgt Ion: 59 Resp: 221716
Ion Ratio Lower Upper
59 100
57 10.4 8.9 13.3

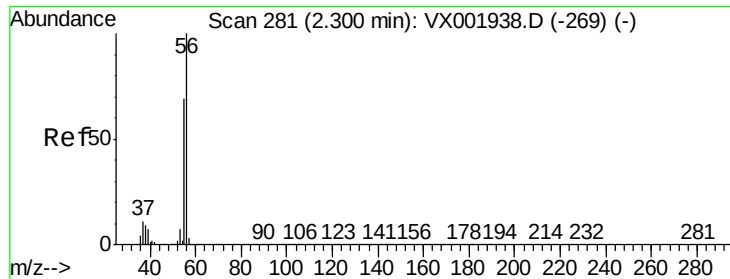


#12

1,1-Dichloroethene
Concen: 53.68 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 96 Resp: 106965
Ion Ratio Lower Upper
96 100
61 168.9 131.7 197.5
98 65.5 51.6 77.4





#13

Acrolein

Concen: 254.80 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

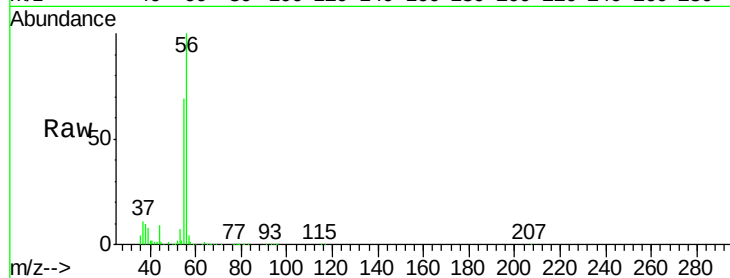
VSTDCCC050

Tgt Ion: 56 Resp: 66082

Ion Ratio Lower Upper

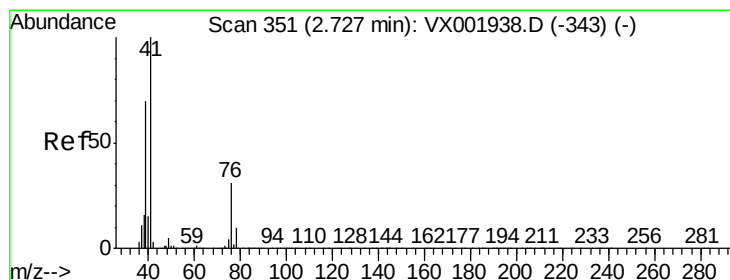
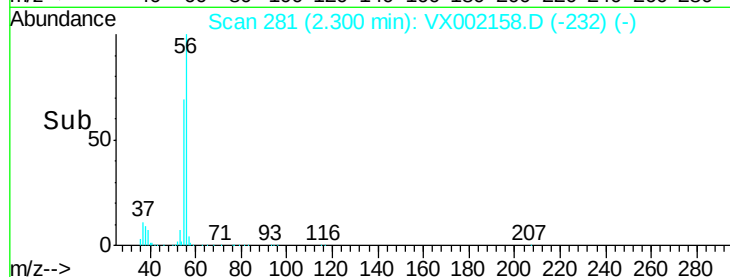
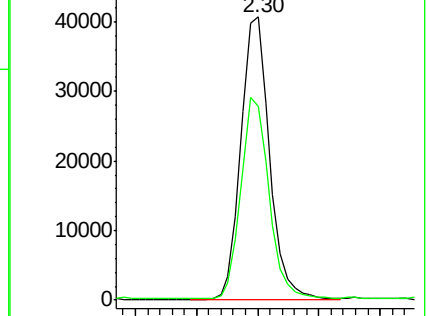
56 100

55 69.4 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 59.42 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

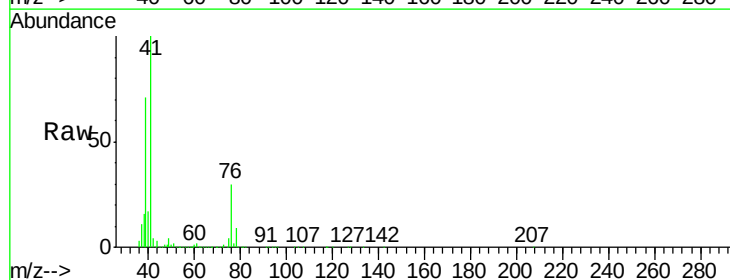
Tgt Ion: 41 Resp: 248550

Ion Ratio Lower Upper

41 100

39 68.2 54.3 81.5

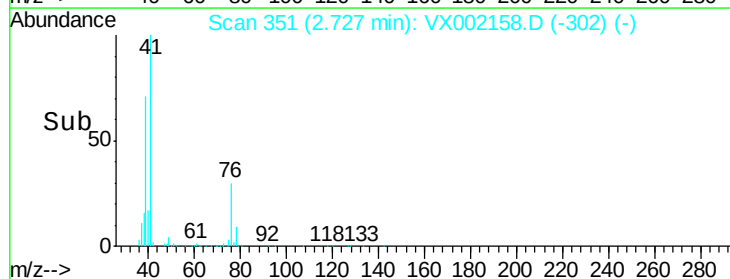
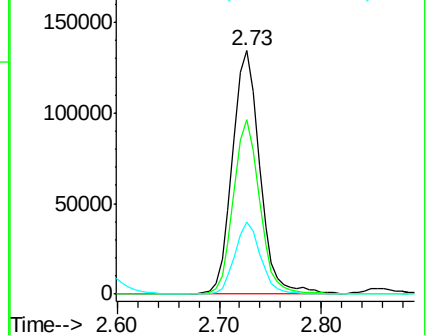
76 28.0 24.2 36.4

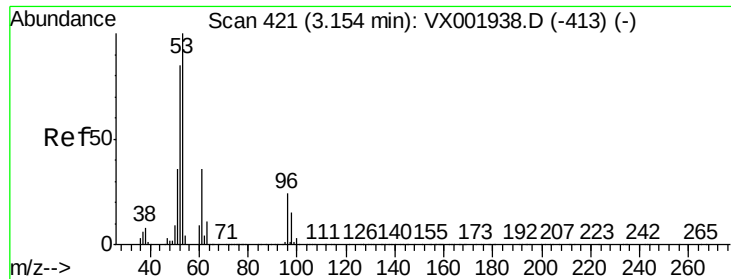


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 363.95 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

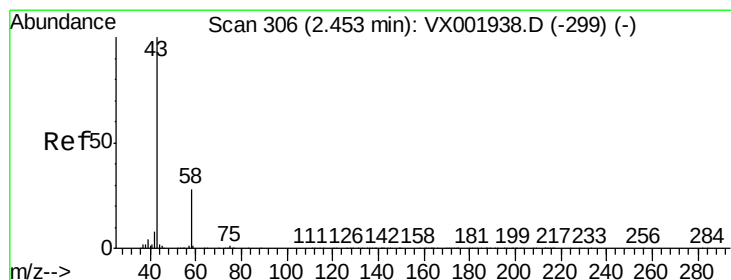
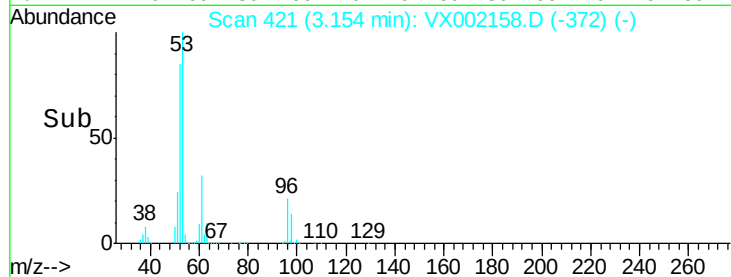
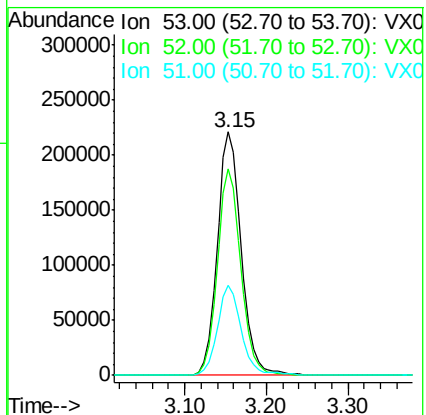
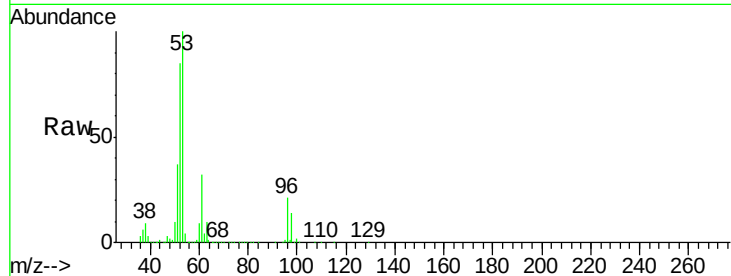
Tgt Ion: 53 Resp: 448918

Ion Ratio Lower Upper

53 100

52 83.5 66.4 99.6

51 36.8 29.3 43.9



#16

Acetone

Concen: 367.00 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002158.D

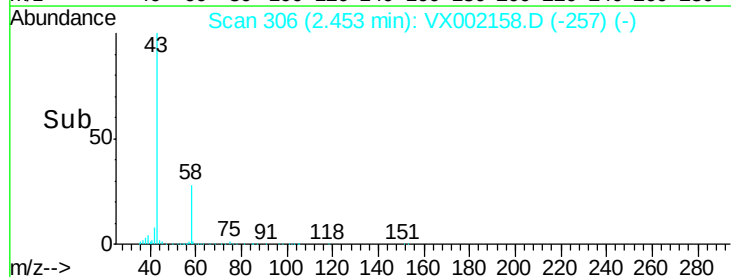
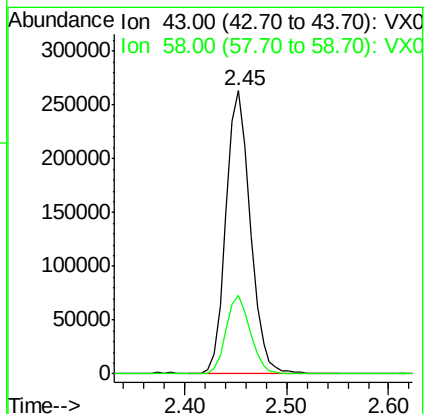
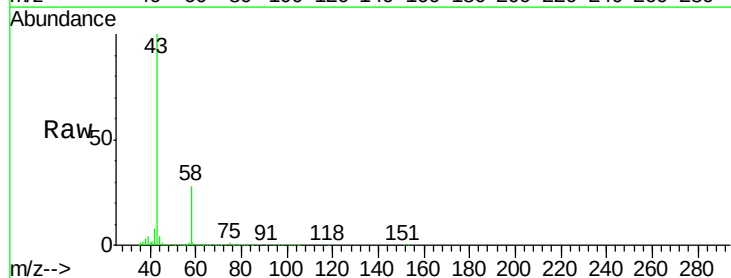
Acq: 31 May 2018 01:17

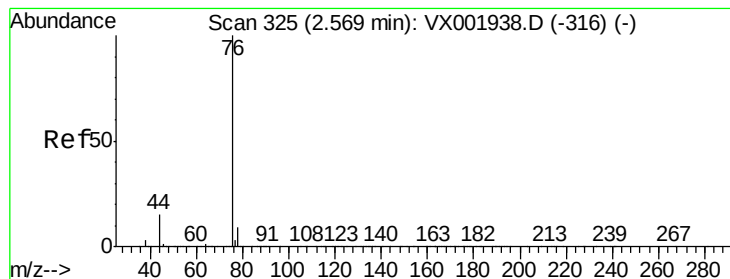
Tgt Ion: 43 Resp: 432809

Ion Ratio Lower Upper

43 100

58 27.8 22.3 33.5





#17

Carbon Disulfide

Concen: 44.45 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

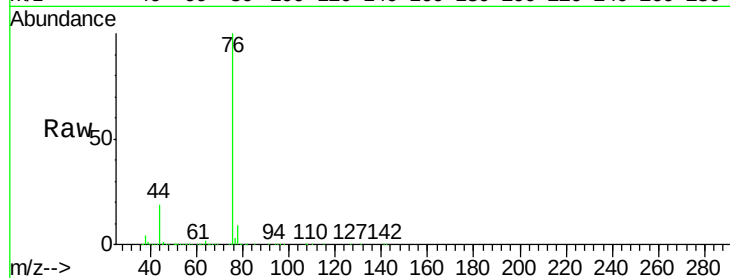
VSTDCCC050

Tgt Ion: 76 Resp: 254893

Ion Ratio Lower Upper

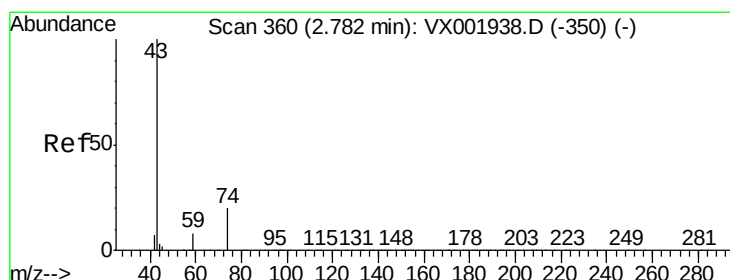
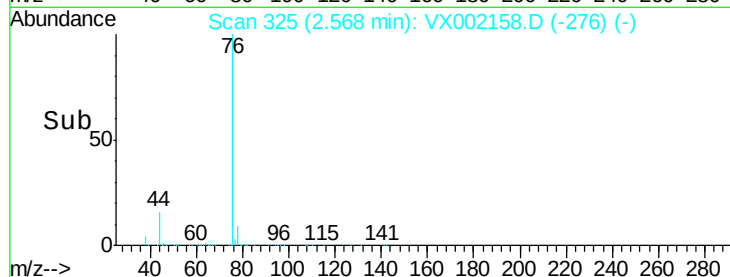
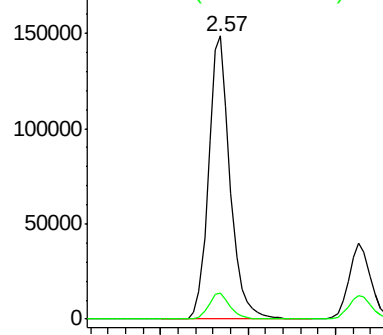
76 100

78 9.2 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: 78.91 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002158.D

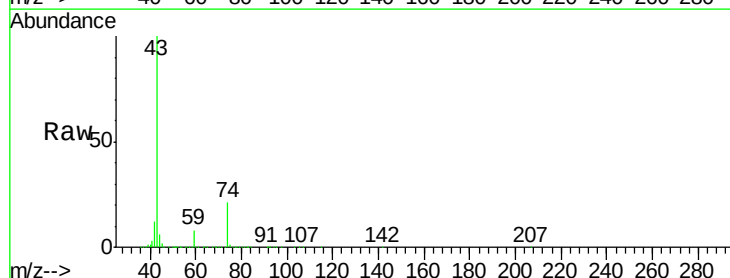
Acq: 31 May 2018 01:17

Tgt Ion: 43 Resp: 222319

Ion Ratio Lower Upper

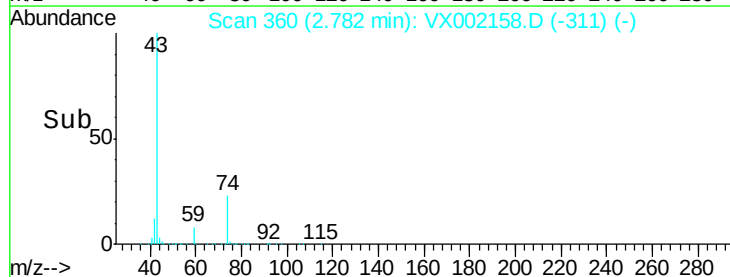
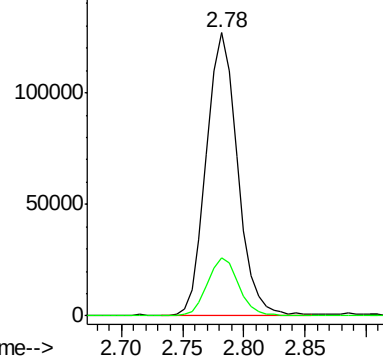
43 100

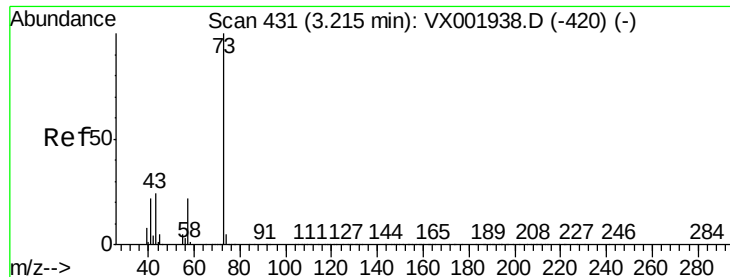
74 20.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

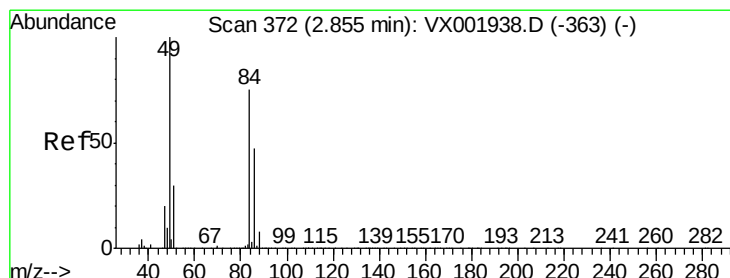
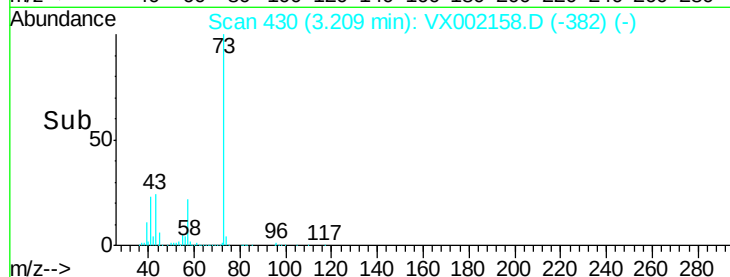
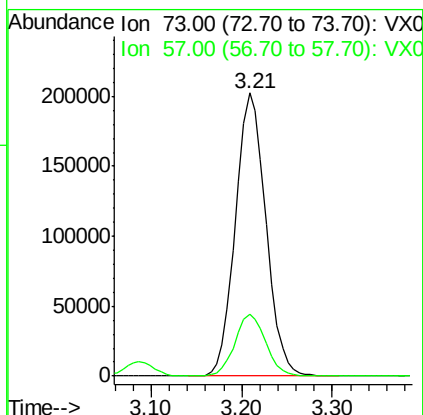
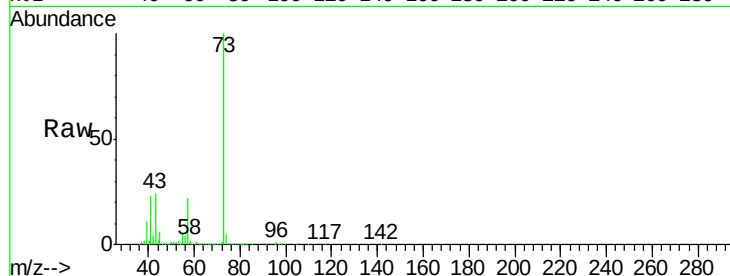




#19
Methyl tert-butyl Ether
Concen: 62.95 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

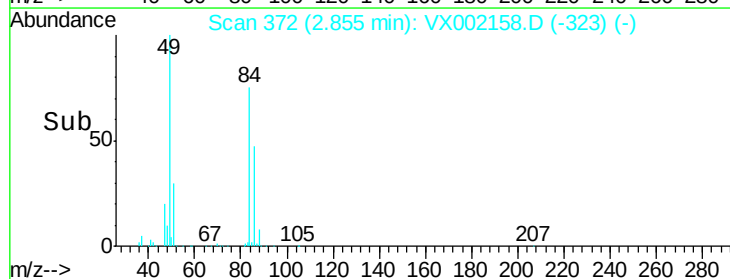
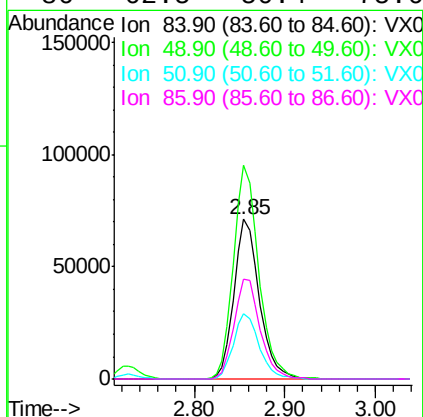
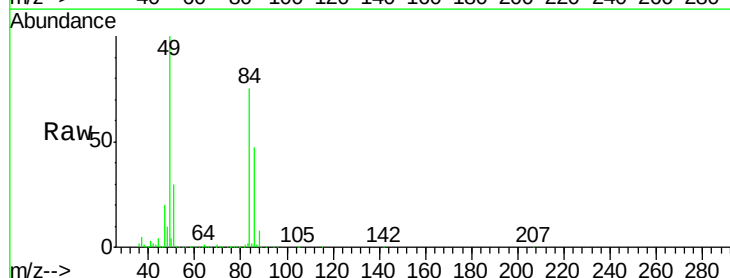
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

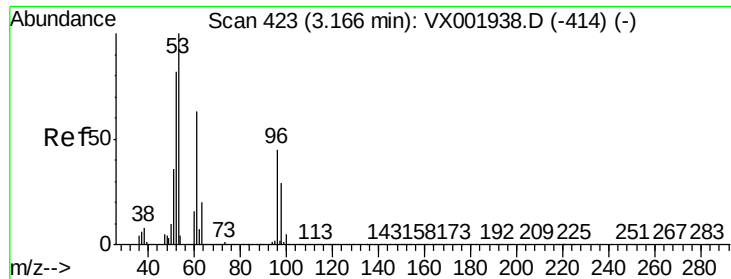
Tgt Ion: 73 Resp: 471740
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0



#20
Methylene Chloride
Concen: 68.65 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 84 Resp: 138906
Ion Ratio Lower Upper
84 100
49 133.8 107.2 160.8
51 40.5 32.4 48.6
86 62.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 61.64 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

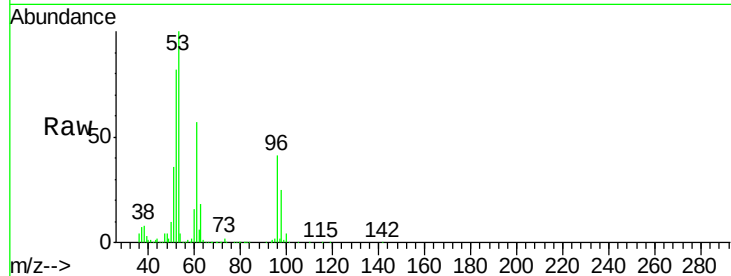
Tgt Ion: 96 Resp: 118863

Ion Ratio Lower Upper

96 100

61 139.6 113.3 169.9

98 62.1 51.7 77.5

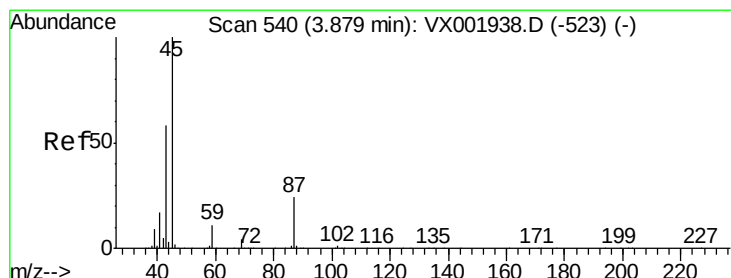
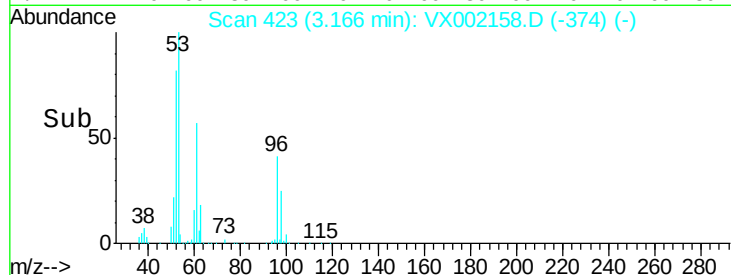
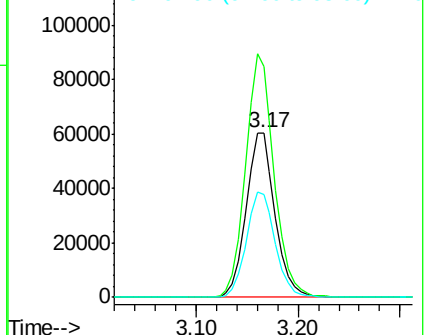


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.04 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion: 45 Resp: 459767

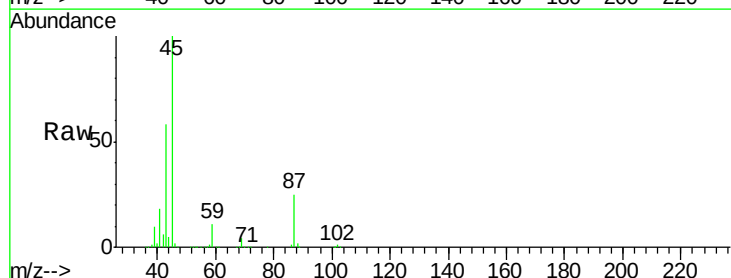
Ion Ratio Lower Upper

45 100

43 58.2 47.0 70.6

87 24.7 19.4 29.0

59 11.4 8.5 12.7



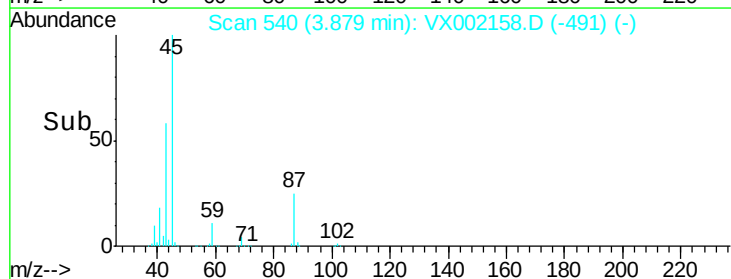
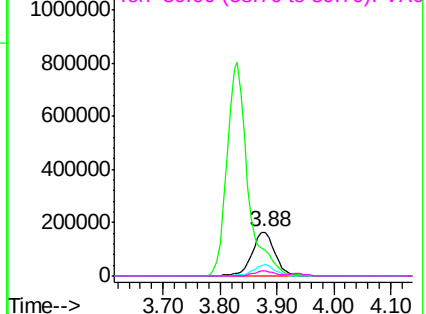
Abundance

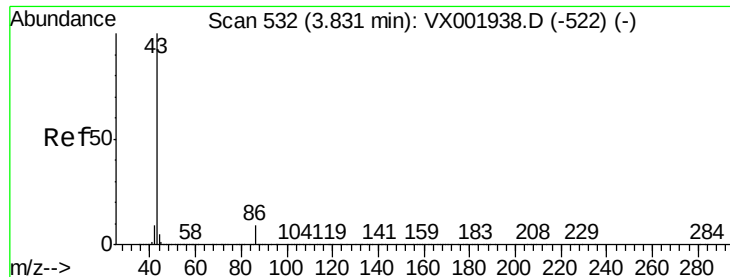
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 291.61 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

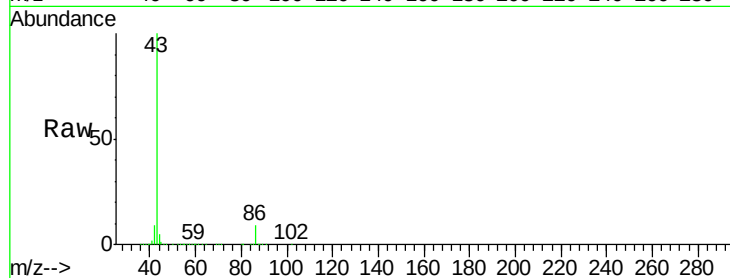
VSTDCCC050

Tgt Ion: 43 Resp: 2056966

Ion Ratio Lower Upper

43 100

86 8.9 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

400000

200000

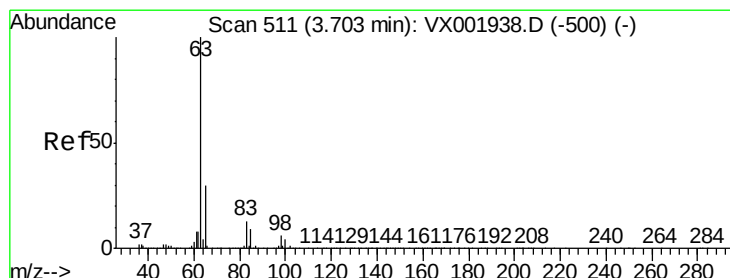
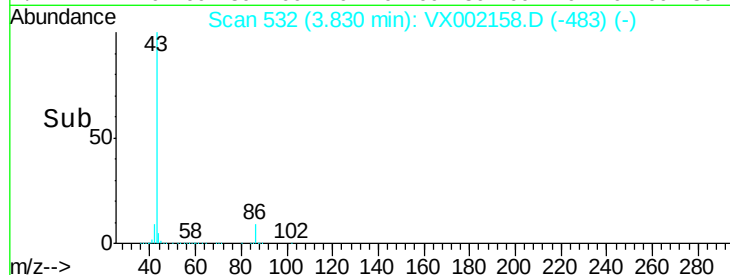
0

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

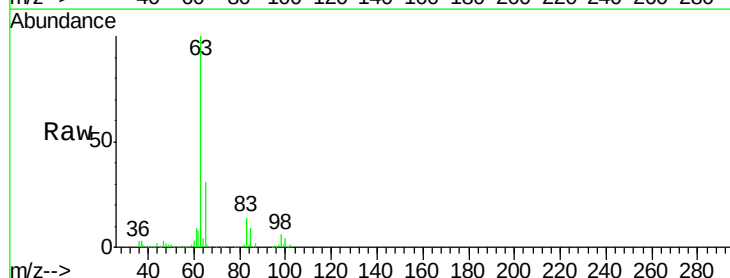
Tgt Ion: 63 Resp: 221808

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.1 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

120000

100000

80000

60000

40000

20000

0

3.50

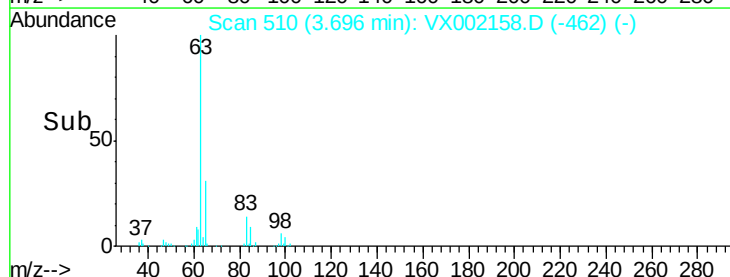
3.60

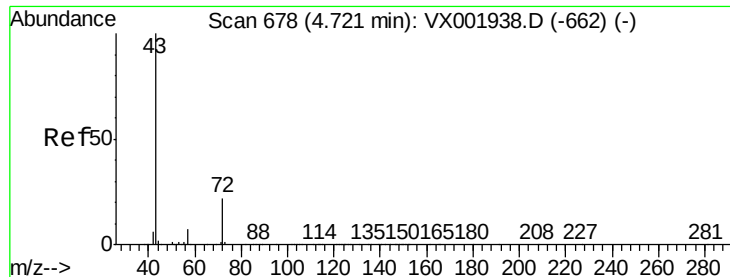
3.70

3.80

3.90

Time-->





#25

2-Butanone

Concen: 294.02 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

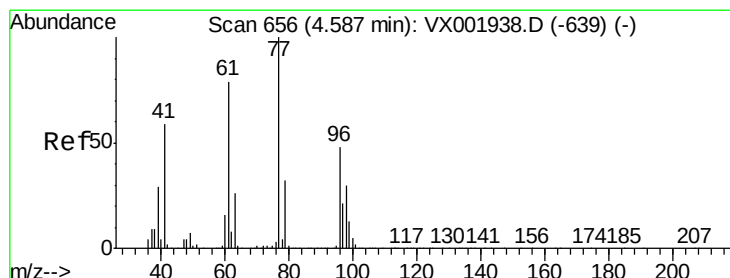
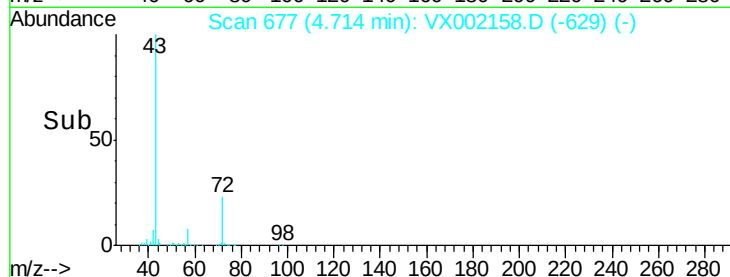
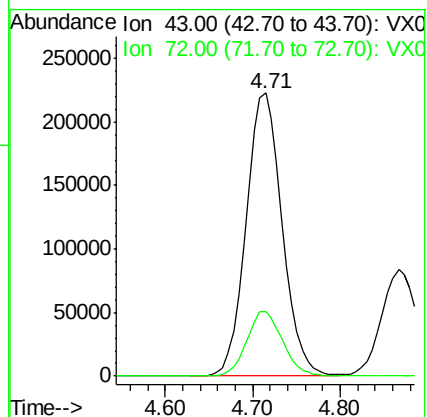
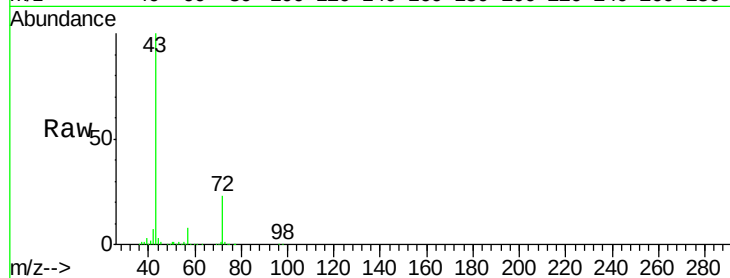
VSTDCCC050

Tgt Ion: 43 Resp: 635510

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9



#26

2,2-Dichloropropane

Concen: 35.27 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002158.D

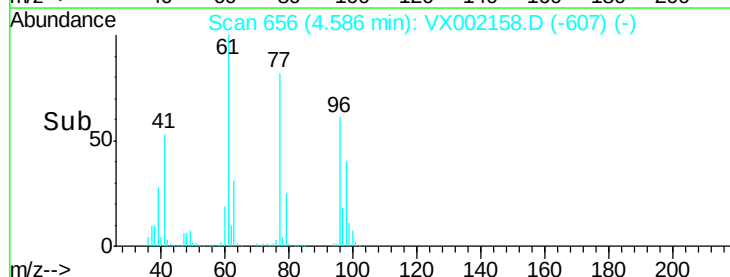
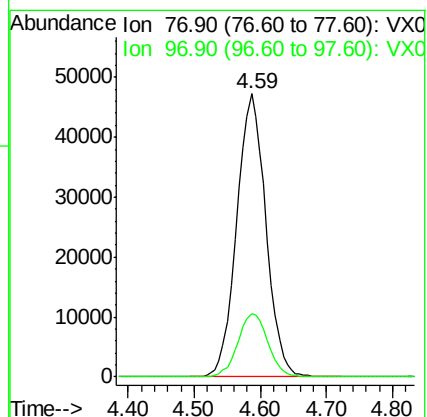
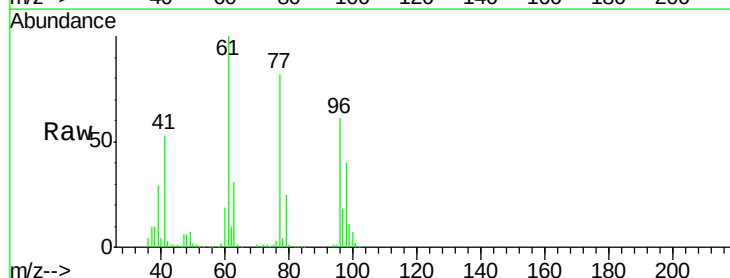
Acq: 31 May 2018 01:17

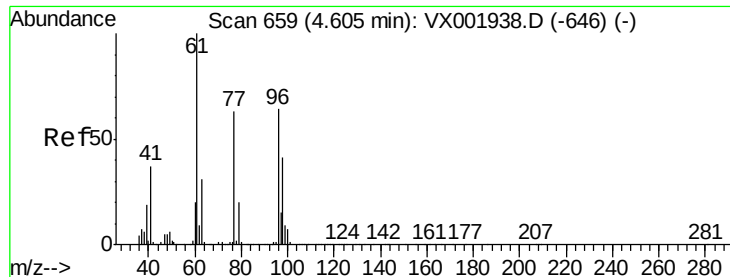
Tgt Ion: 77 Resp: 144261

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.38 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

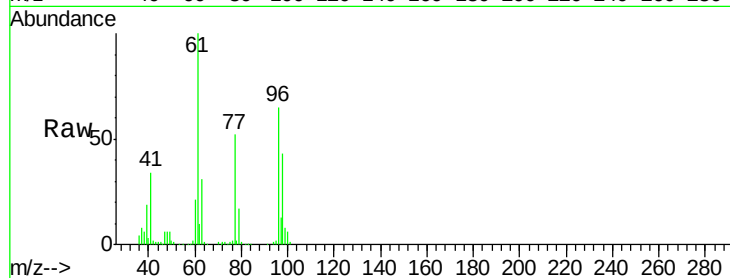
Tgt Ion: 96 Resp: 130911

Ion Ratio Lower Upper

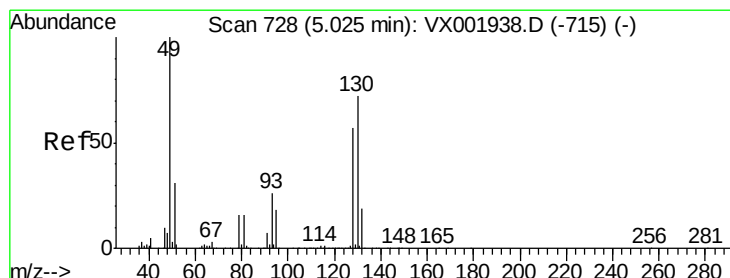
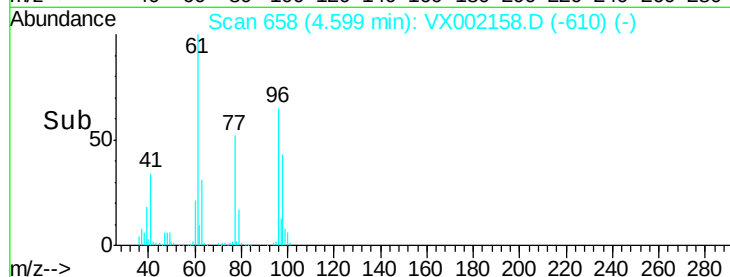
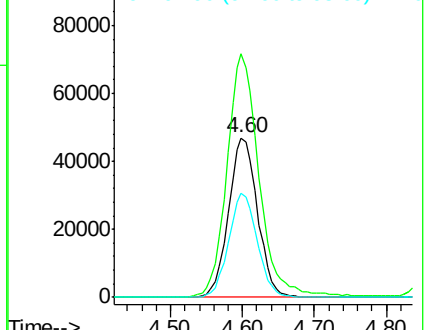
96 100

61 169.5 0.0 348.4

98 64.8 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 66.89 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

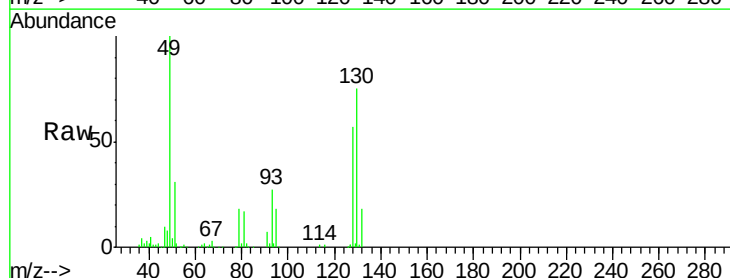
Tgt Ion: 49 Resp: 112413

Ion Ratio Lower Upper

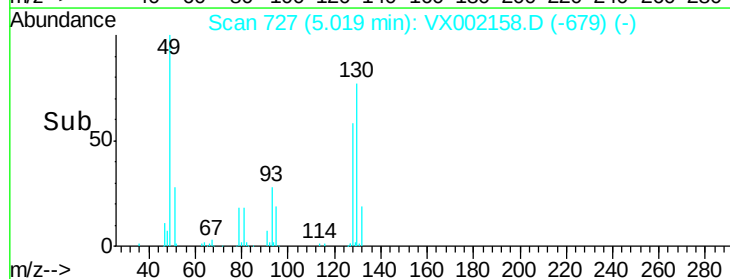
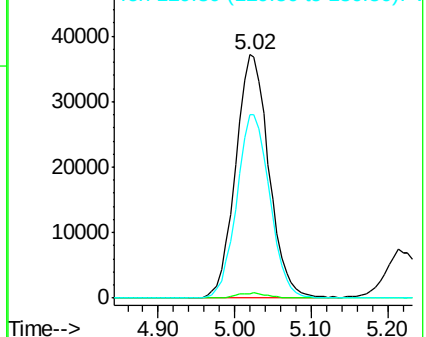
49 100

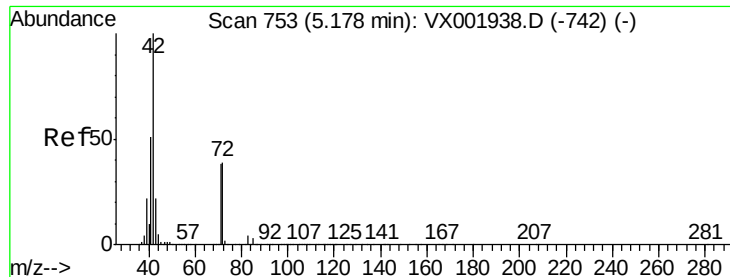
129 2.1 0.0 3.8

130 74.7 59.4 89.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 296.36 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

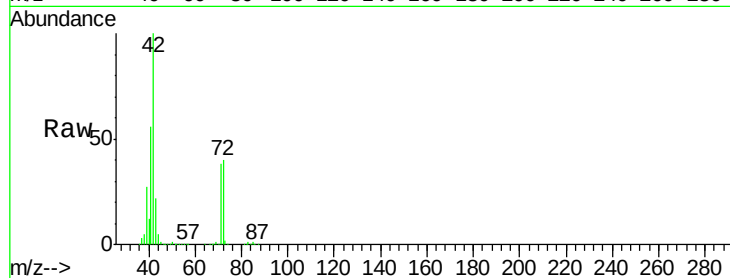
Tgt Ion: 42 Resp: 416767

Ion Ratio Lower Upper

42 100

72 39.7 31.4 47.0

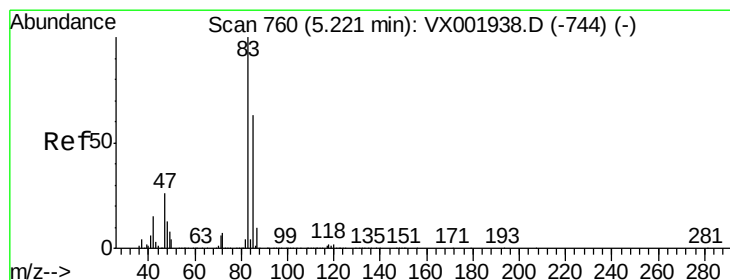
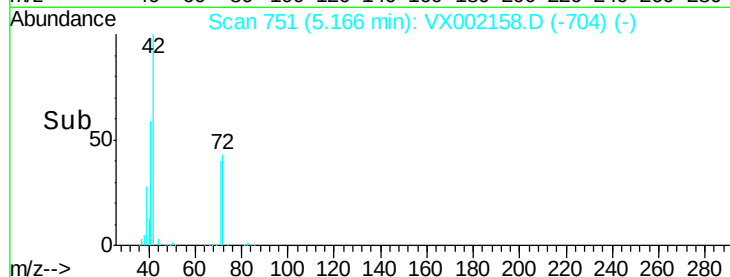
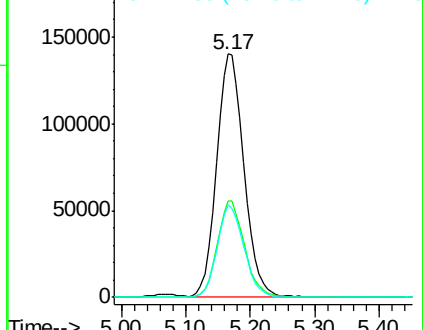
71 37.2 29.5 44.3



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: 52.05 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002158.D

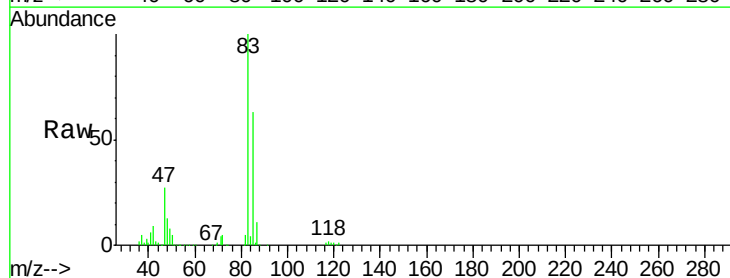
Acq: 31 May 2018 01:17

Tgt Ion: 83 Resp: 236987

Ion Ratio Lower Upper

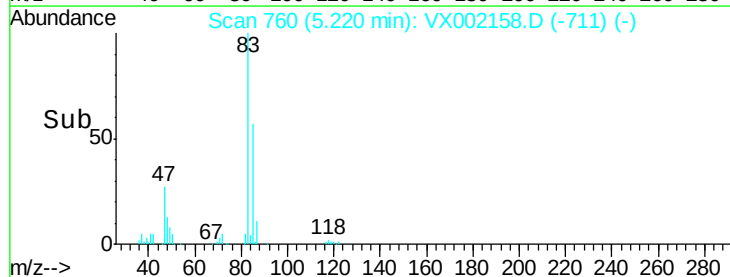
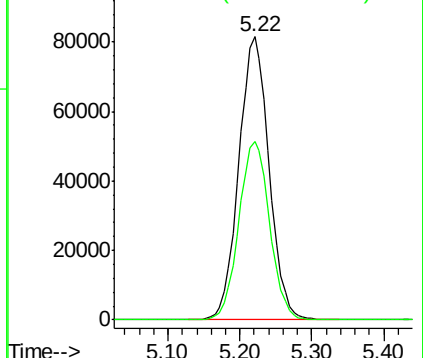
83 100

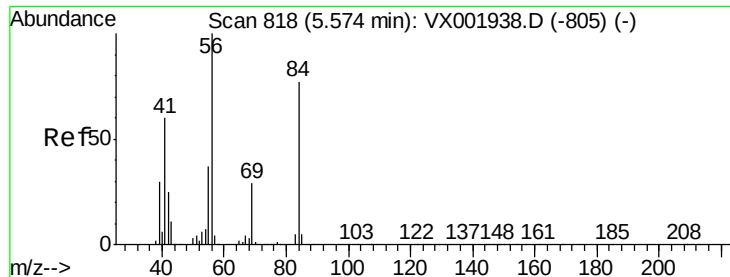
85 63.2 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

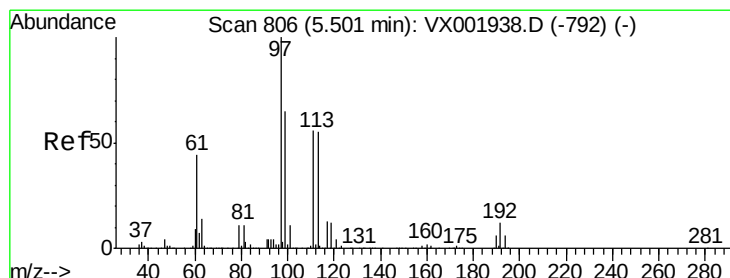
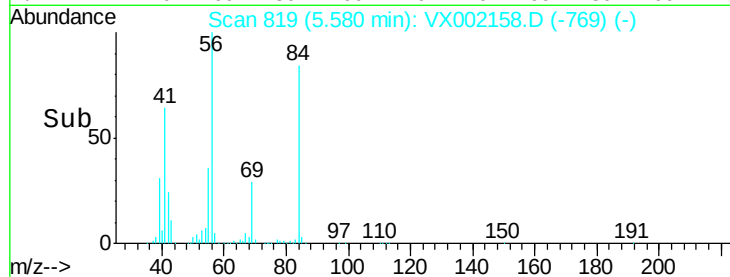
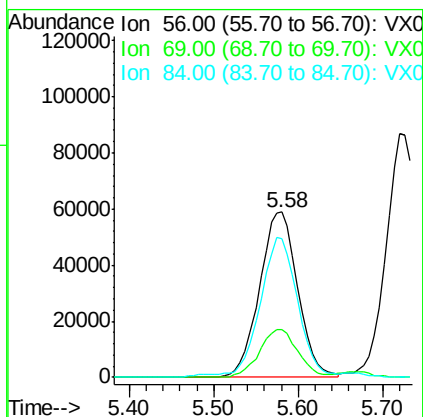
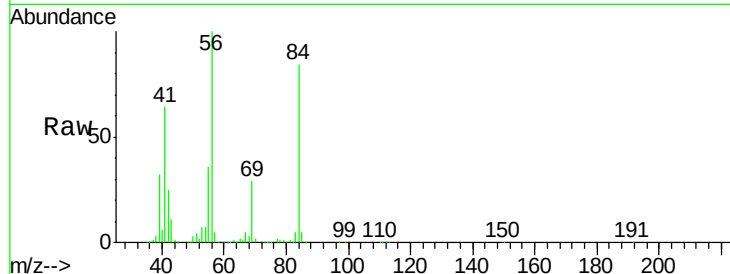




#31
Cyclohexane
Concen: 43.71 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

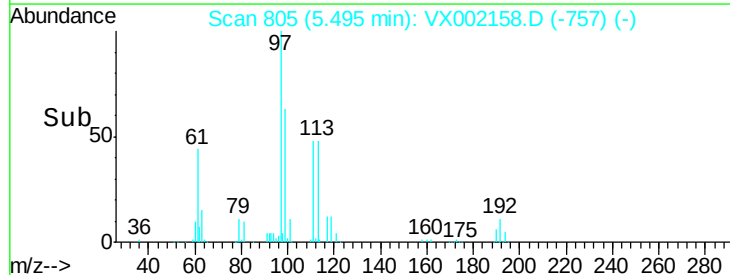
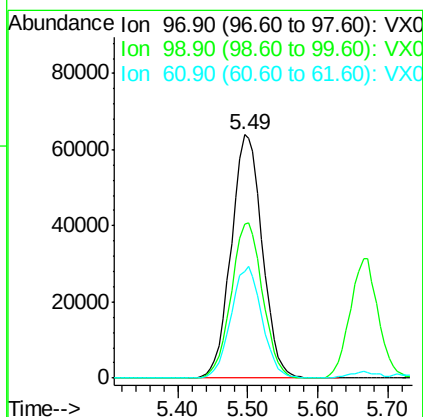
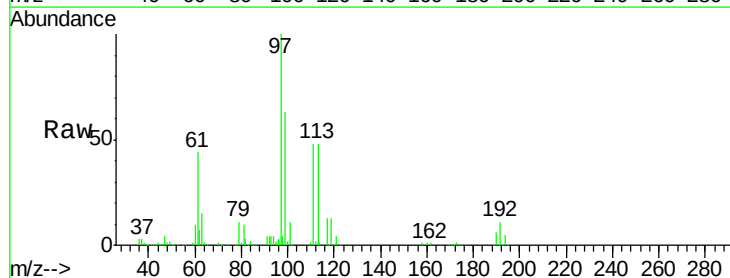
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

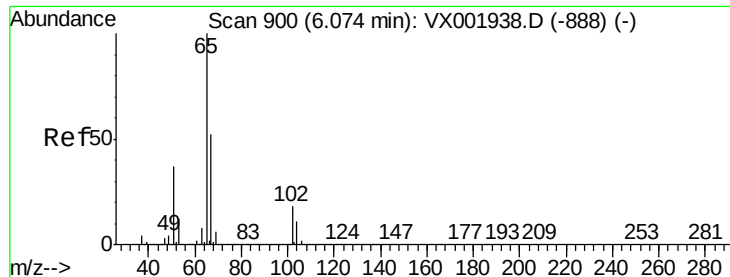
Tgt Ion: 56 Resp: 184028
Ion Ratio Lower Upper
56 100
69 29.0 23.1 34.7
84 83.4 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 46.38 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 97 Resp: 196887
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 45.9 35.9 53.9

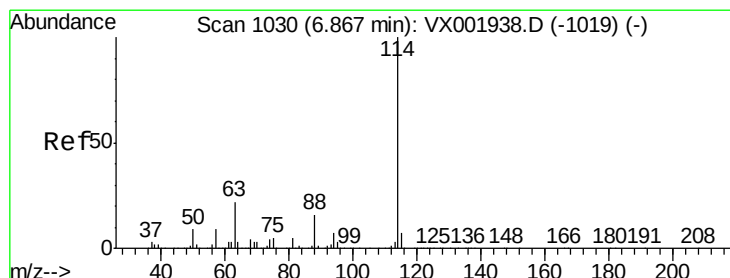
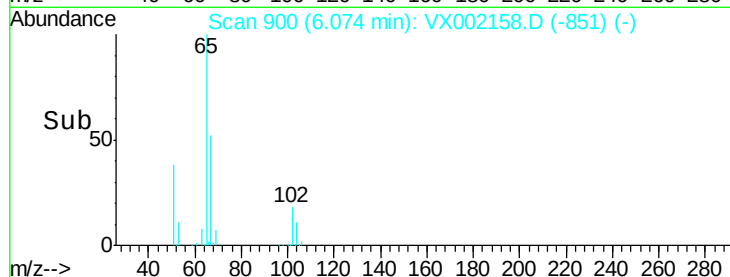
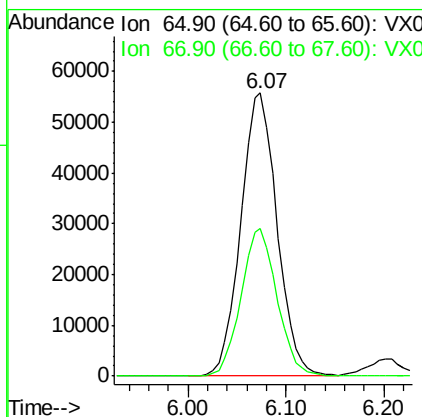
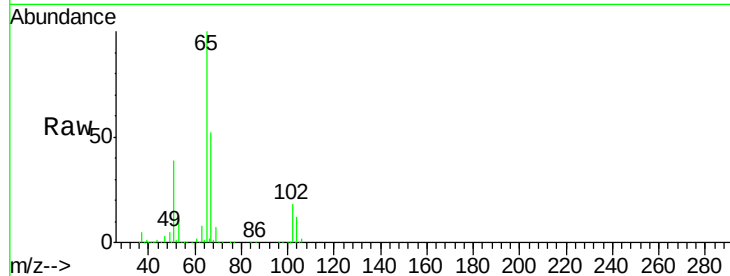




#33
 1,2-Dichloroethane-d4
 Concen: 46.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

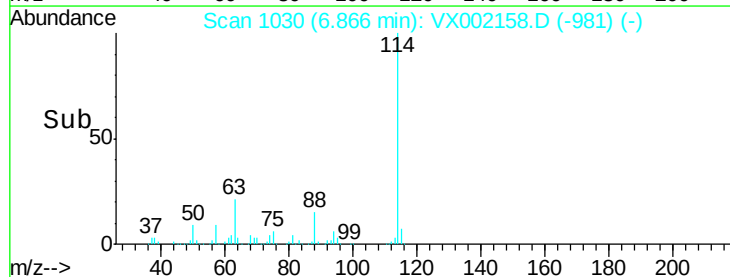
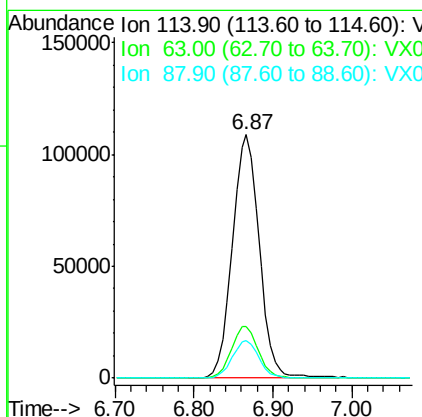
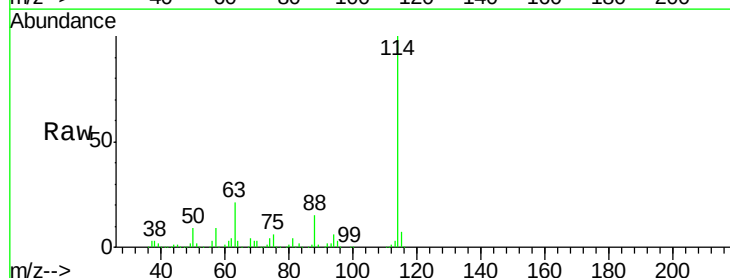
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

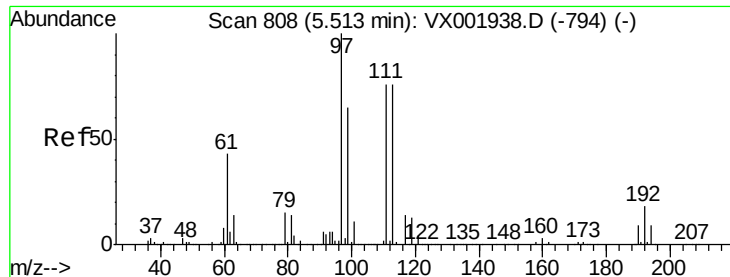
Tgt Ion: 65 Resp: 143367
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion: 114 Resp: 258216
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 42.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

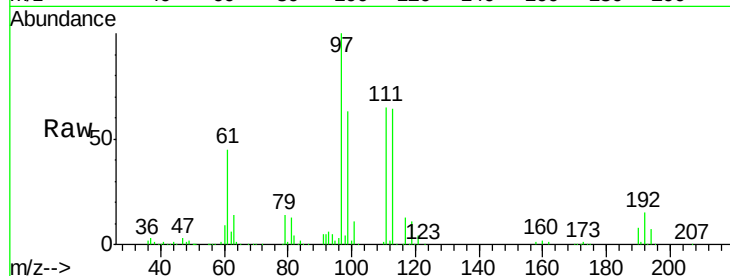
Tgt Ion:113 Resp: 108568

Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

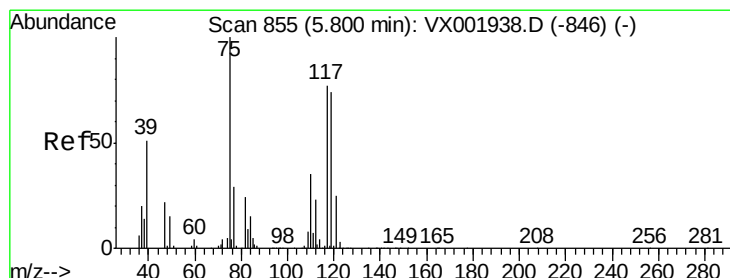
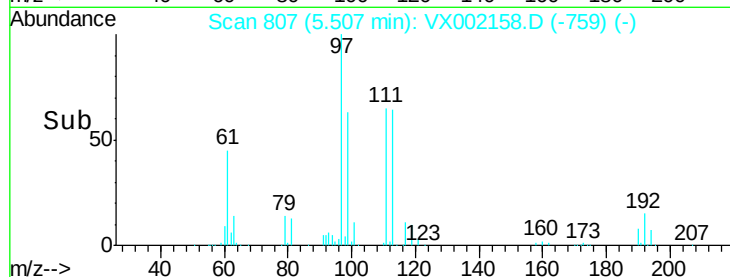
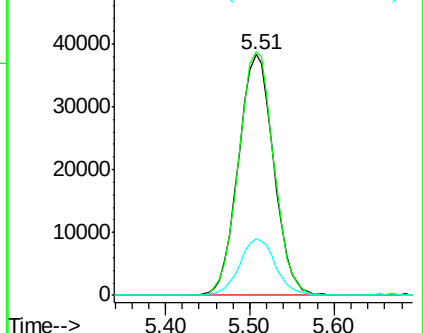
192 23.7 18.9 28.3



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: 43.53 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

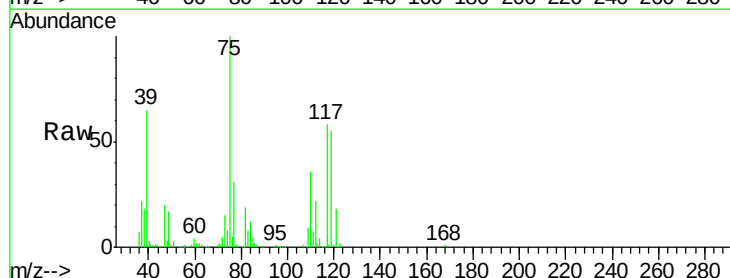
Tgt Ion: 75 Resp: 156362

Ion Ratio Lower Upper

75 100

110 35.9 17.4 52.2

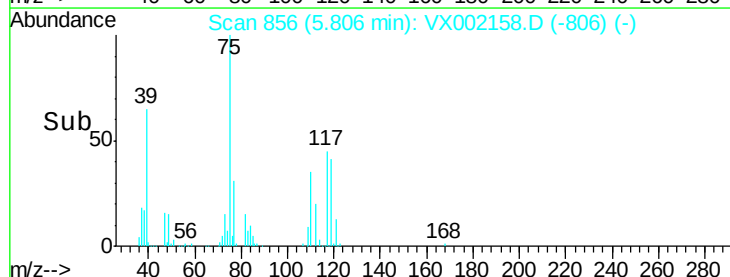
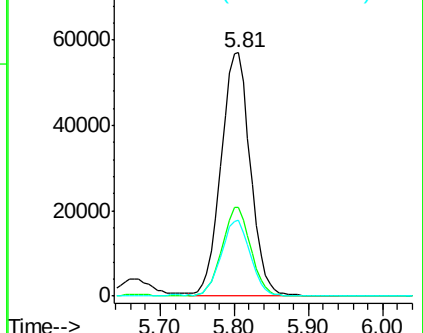
77 31.1 24.4 36.6

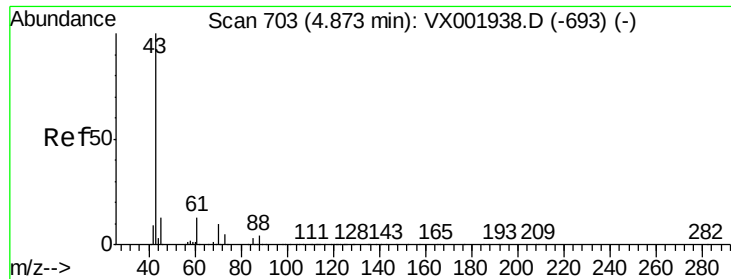


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

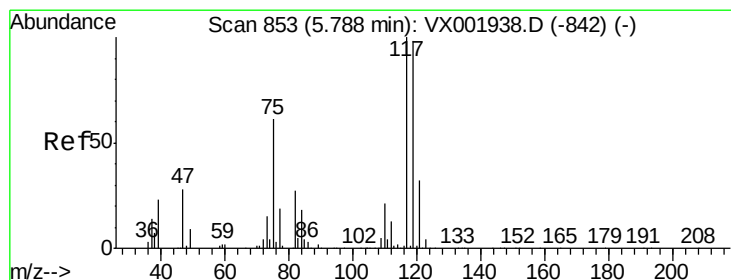
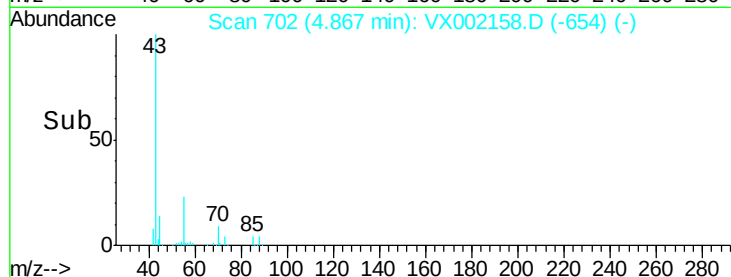
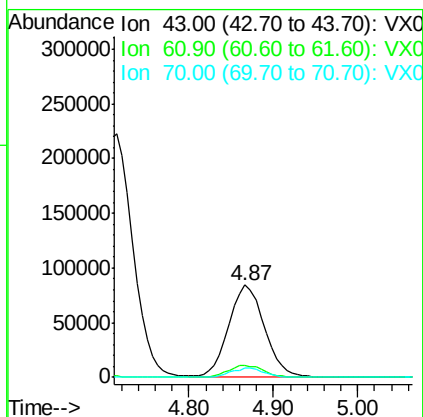
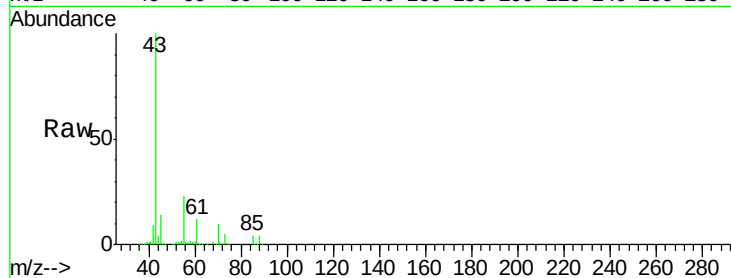




#37
Ethyl Acetate
Concen: 51.84 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

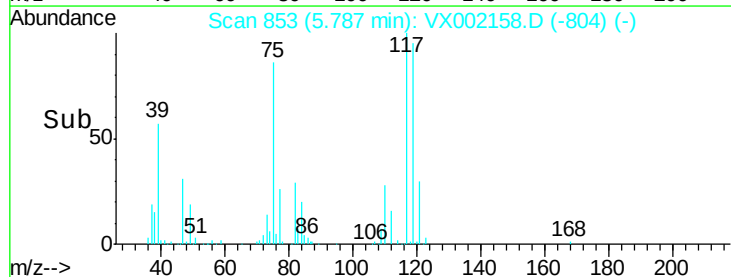
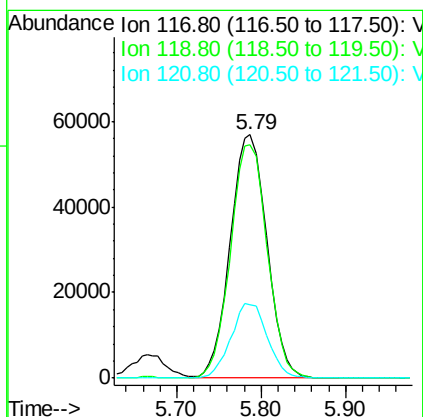
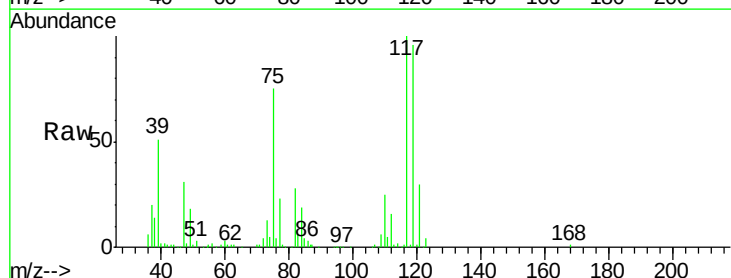
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

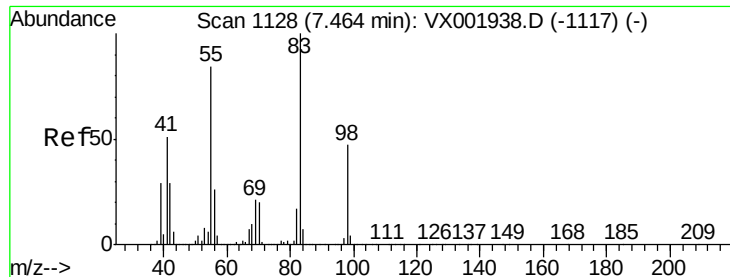
Tgt Ion: 43 Resp: 242749
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 9.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 40.18 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 117 Resp: 168296
Ion Ratio Lower Upper
117 100
119 95.7 78.5 117.7
121 30.3 25.5 38.3

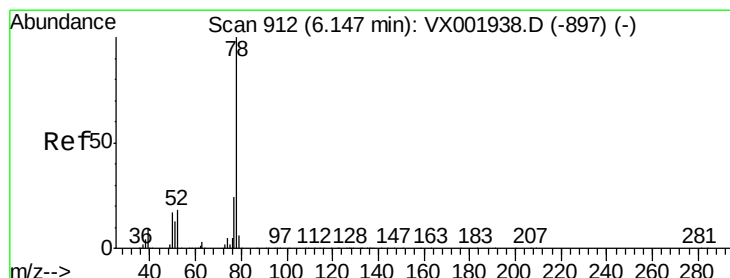
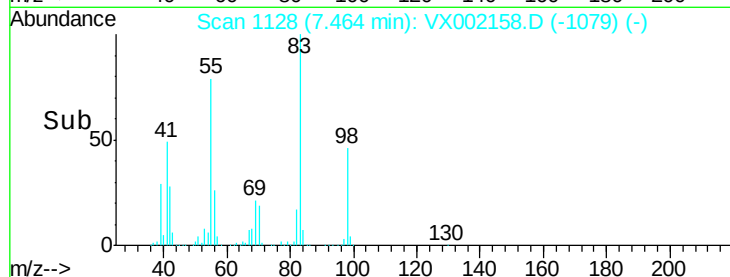
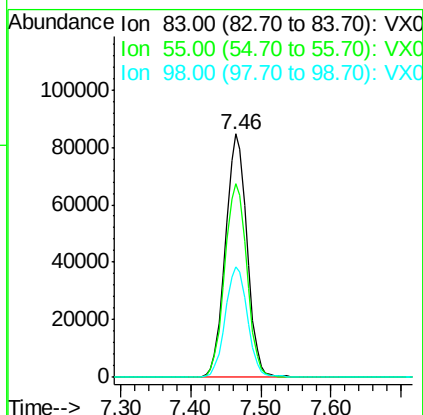
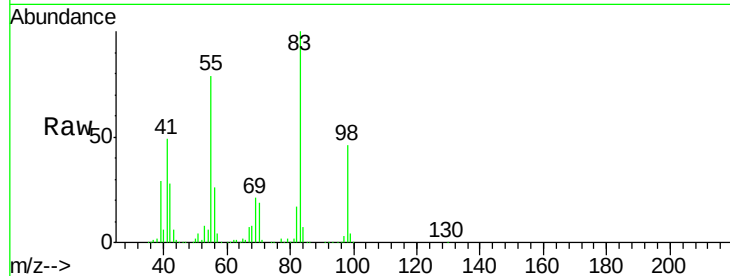




#39
Methylcyclohexane
Concen: 41.25 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

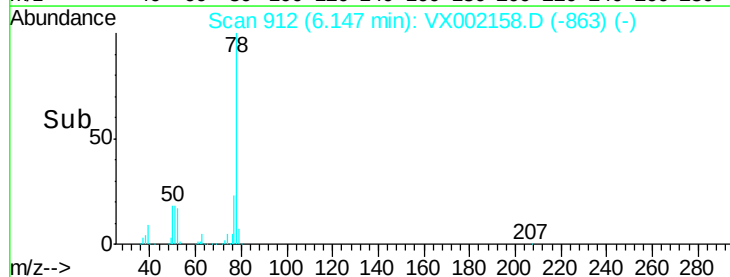
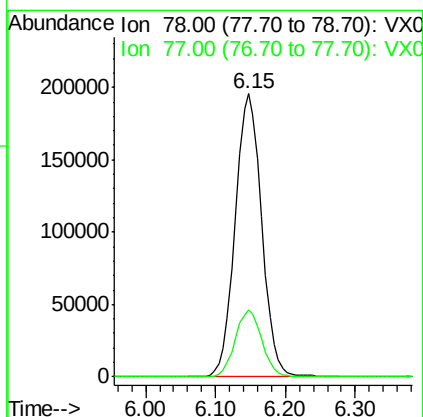
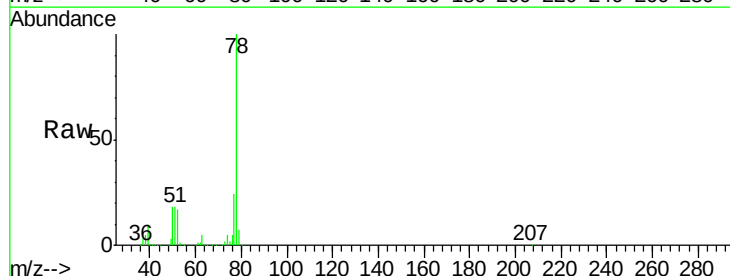
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

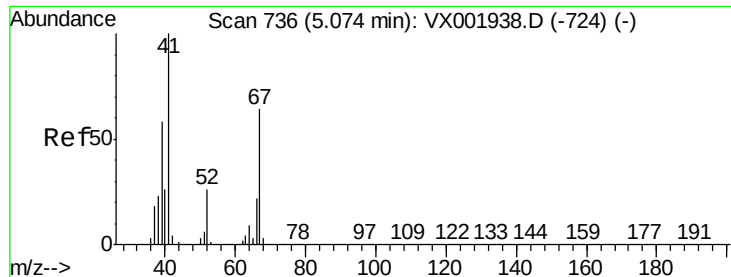
Tgt Ion: 83 Resp: 182021
Ion Ratio Lower Upper
83 100
55 79.3 67.3 100.9
98 45.6 37.5 56.3



#40
Benzene
Concen: 48.90 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 78 Resp: 514597
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

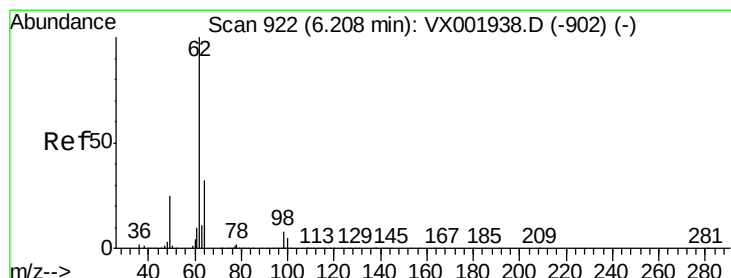
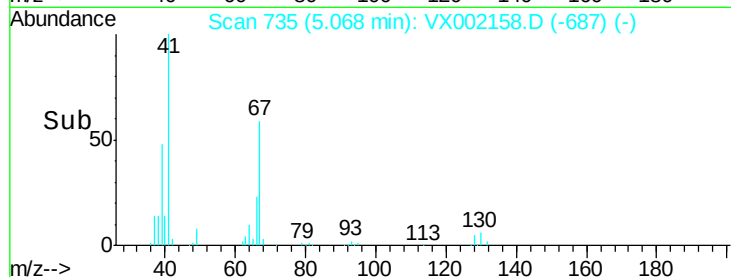
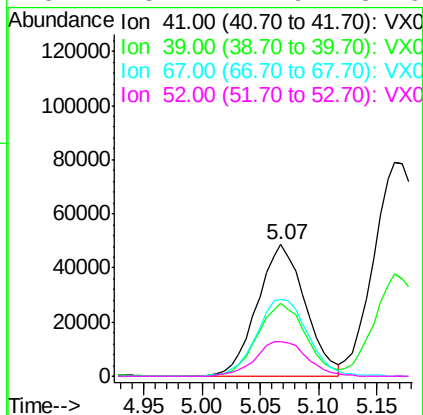
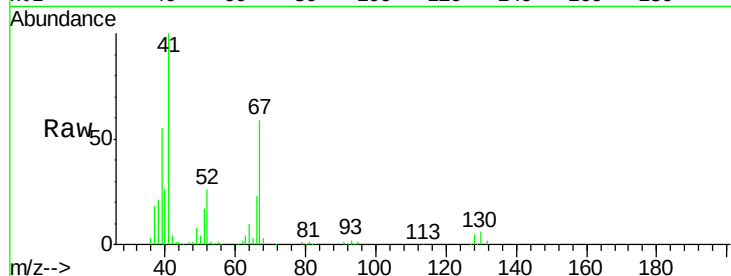




#41
Methacrylonitrile
Concen: 55.98 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

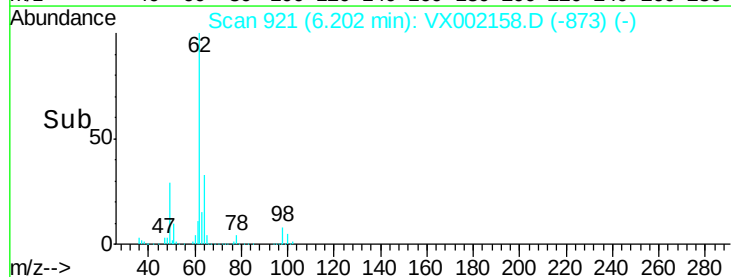
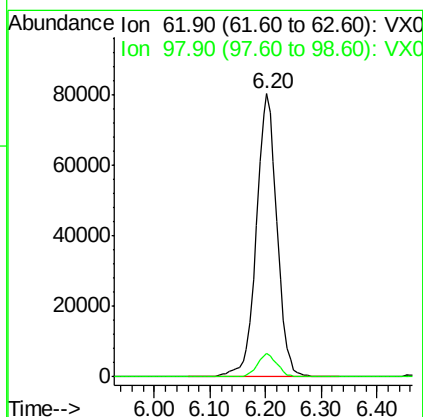
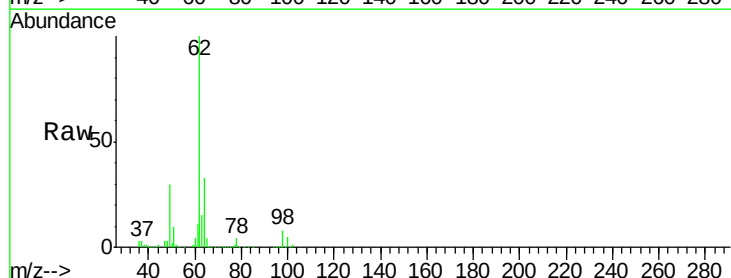
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

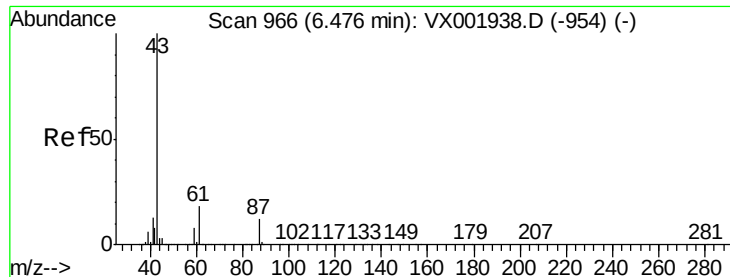
Tgt Ion:	41	Resp:	137927
Ion	Ratio	Lower	Upper
41	100		
39	56.3	46.0	69.0
67	63.2	50.6	75.8
52	28.1	21.9	32.9



#42
1,2-Dichloroethane
Concen: 49.73 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion:	62	Resp:	209037
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 50.79 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

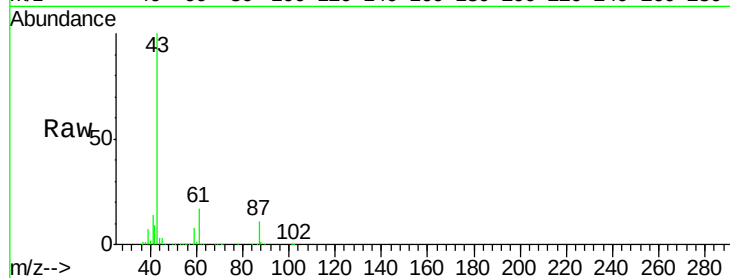
Tgt Ion: 43 Resp: 396290

Ion Ratio Lower Upper

43 100

61 17.6 14.5 21.7

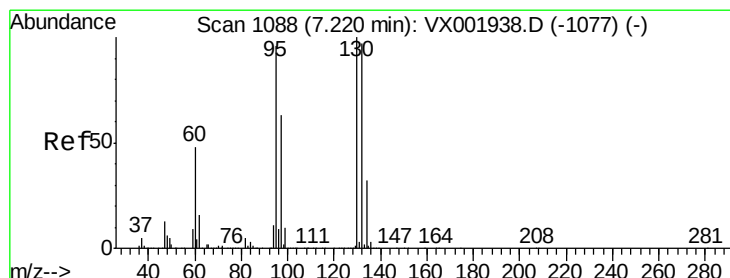
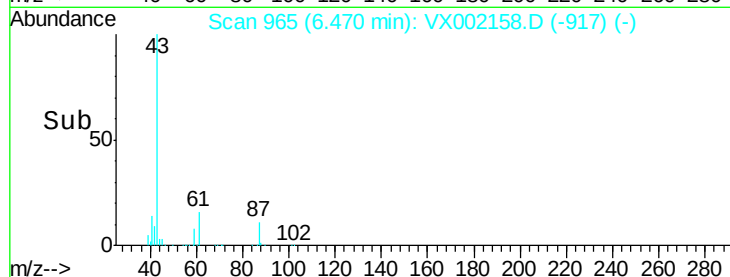
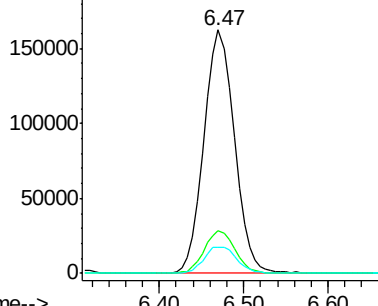
87 11.7 9.5 14.3



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: 46.23 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002158.D

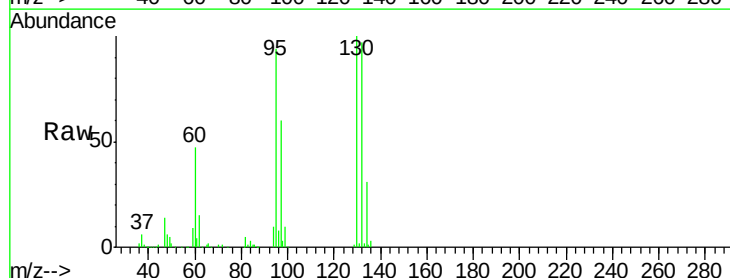
Acq: 31 May 2018 01:17

Tgt Ion: 130 Resp: 141744

Ion Ratio Lower Upper

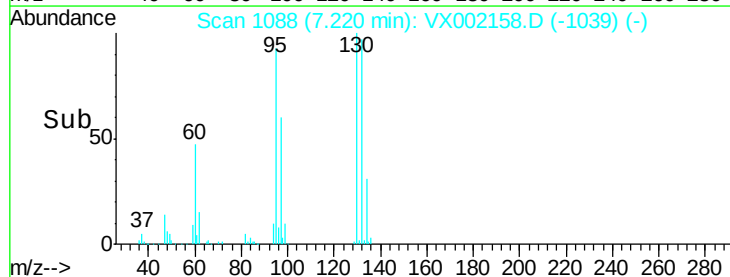
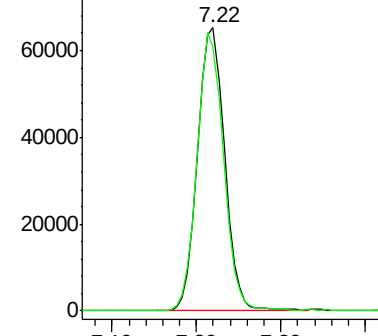
130 100

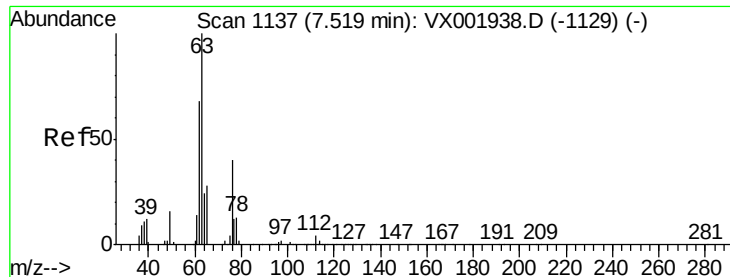
95 93.5 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.47 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

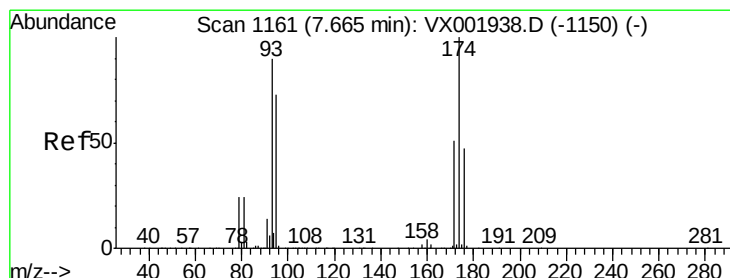
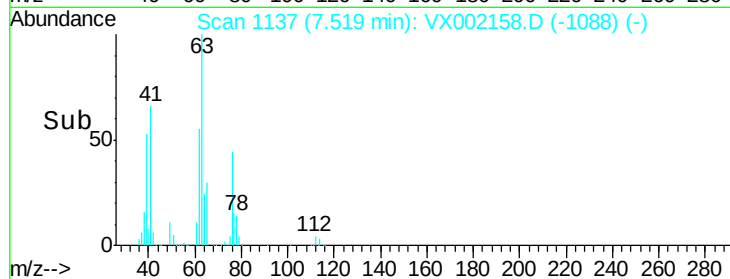
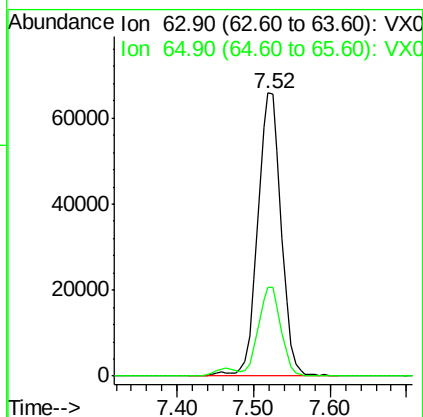
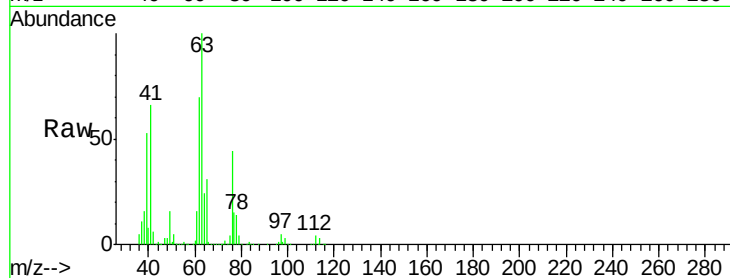
VSTDCCC050

Tgt Ion: 63 Resp: 141361

Ion Ratio Lower Upper

63 100

65 31.3 24.1 36.1



#46

Dibromomethane

Concen: 49.47 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

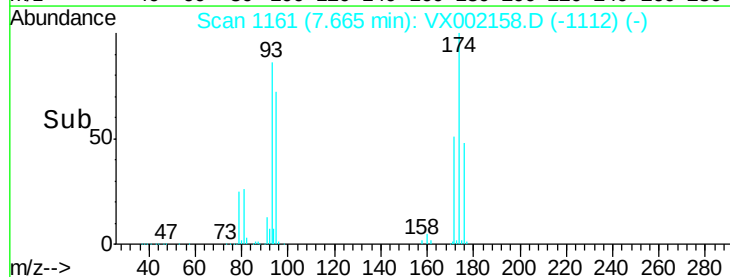
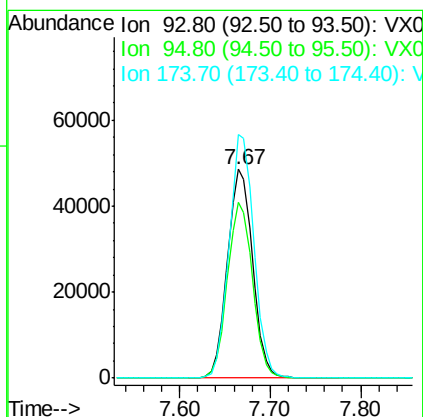
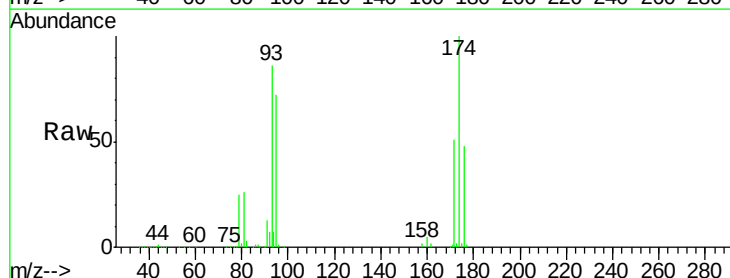
Tgt Ion: 93 Resp: 93603

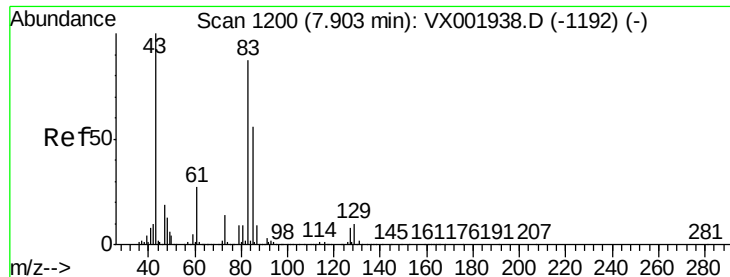
Ion Ratio Lower Upper

93 100

95 84.0 66.1 99.1

174 115.6 92.5 138.7





#47

Bromodichloromethane

Concen: 43.74 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

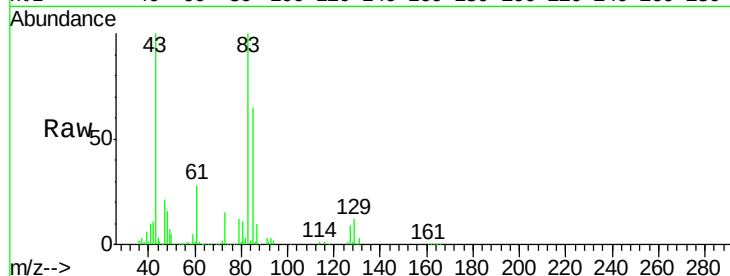
Tgt Ion: 83 Resp: 176439

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.2

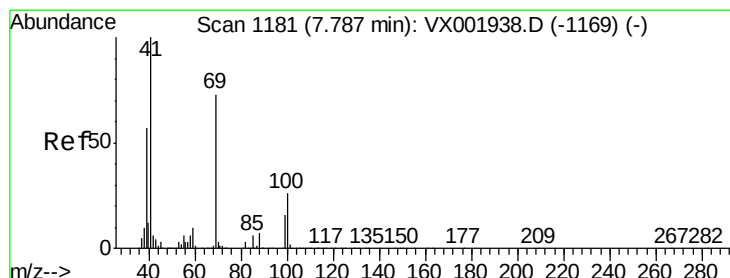
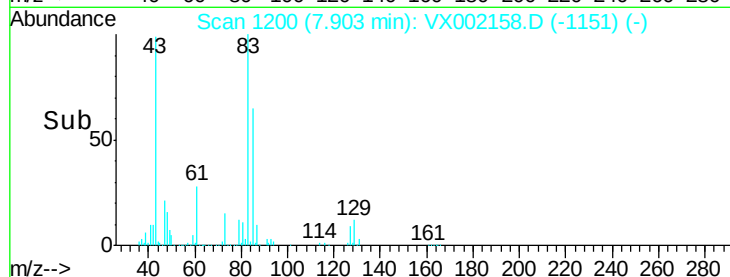
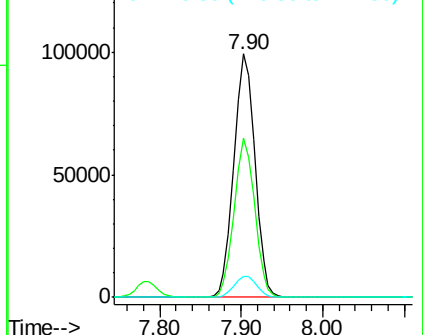
127 8.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.16 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

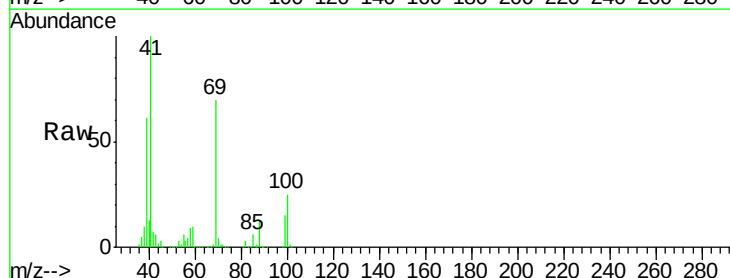
Tgt Ion: 41 Resp: 203146

Ion Ratio Lower Upper

41 100

69 72.3 58.6 87.8

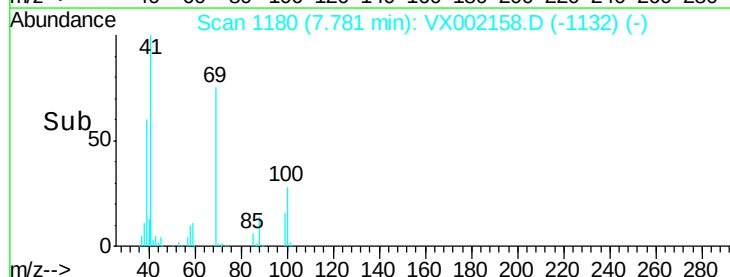
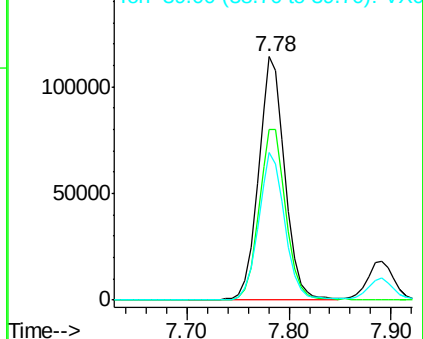
39 60.5 46.3 69.5

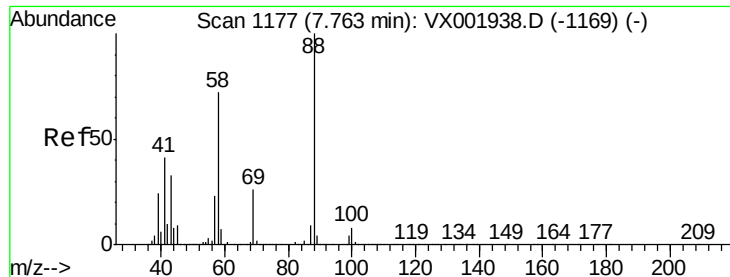


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1196.91 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

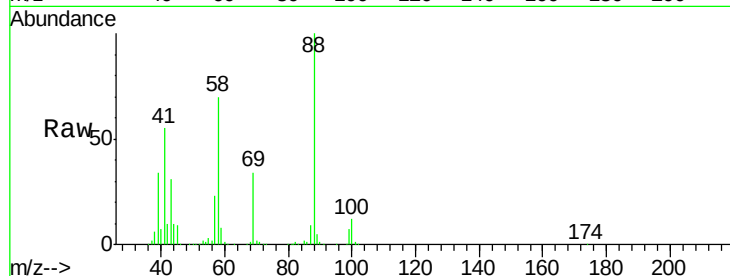
Tgt Ion: 88 Resp: 83754

Ion Ratio Lower Upper

88 100

43 35.9 29.8 44.8

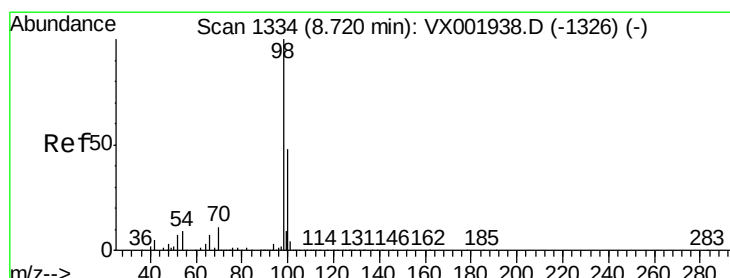
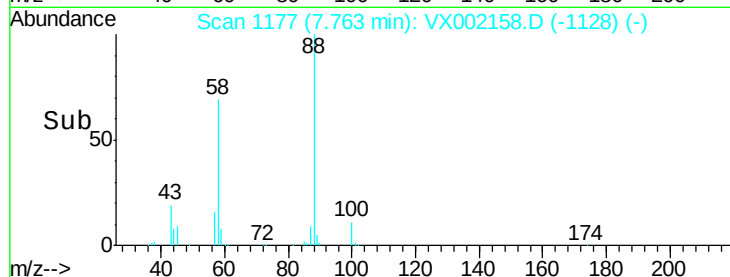
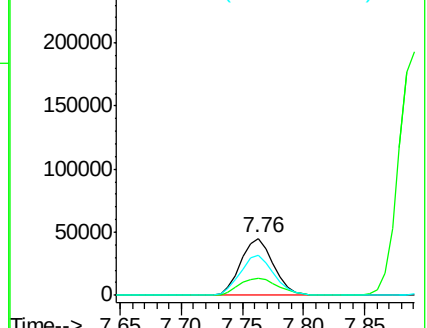
58 72.3 58.7 88.1



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: 42.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002158.D

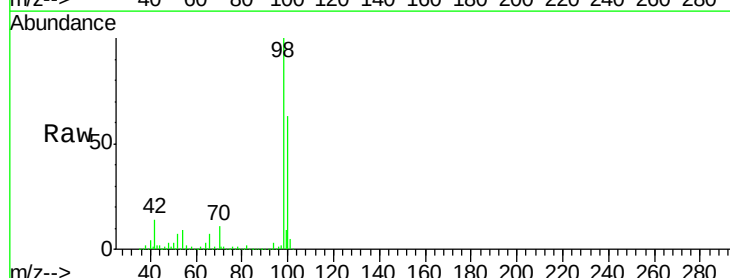
Acq: 31 May 2018 01:17

Tgt Ion: 98 Resp: 394893

Ion Ratio Lower Upper

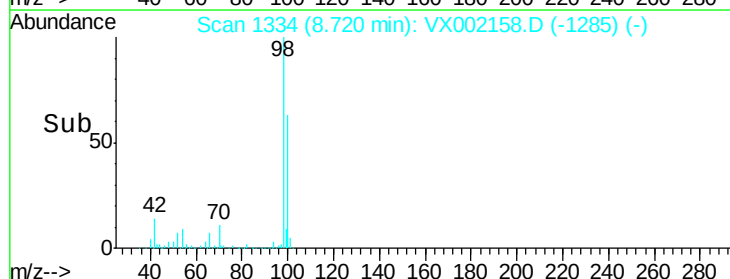
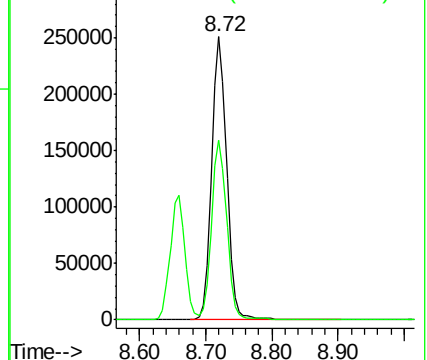
98 100

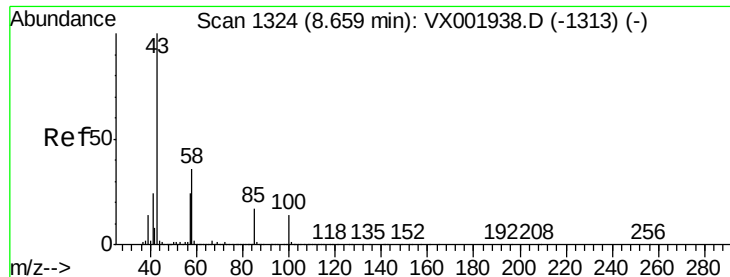
100 64.2 51.5 77.3



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: 280.22 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

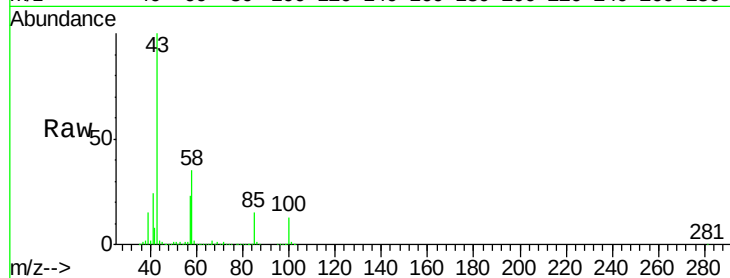
VSTDCCC050

Tgt Ion: 43 Resp: 1317922

Ion Ratio Lower Upper

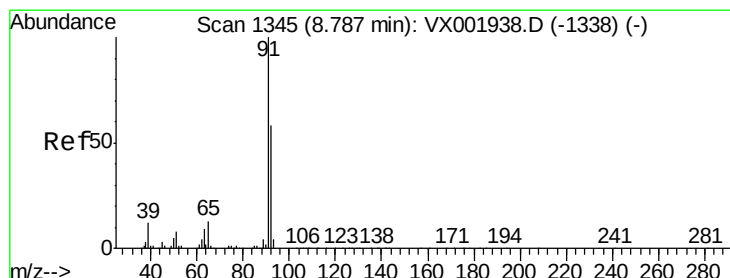
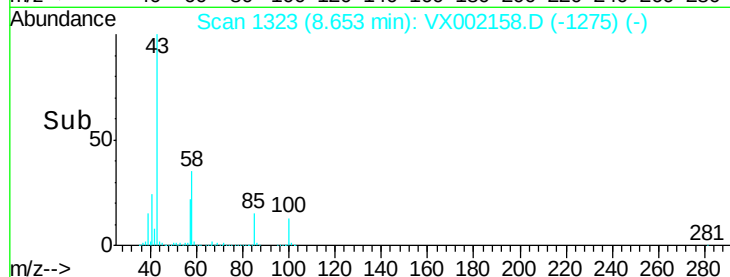
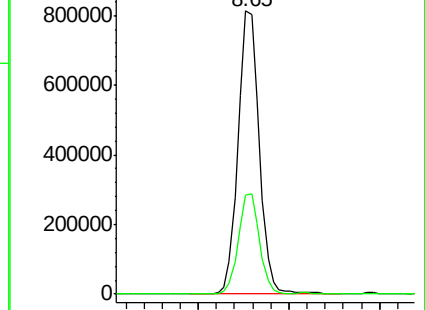
43 100

58 35.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002158.D

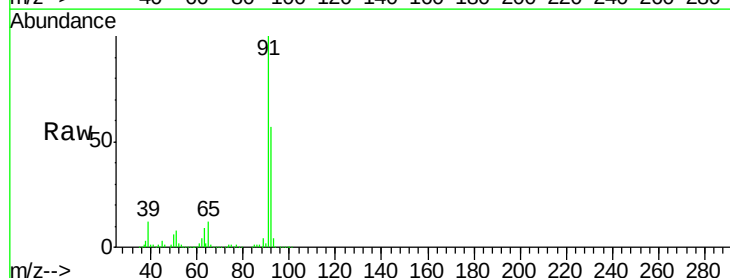
Acq: 31 May 2018 01:17

Tgt Ion: 92 Resp: 325385

Ion Ratio Lower Upper

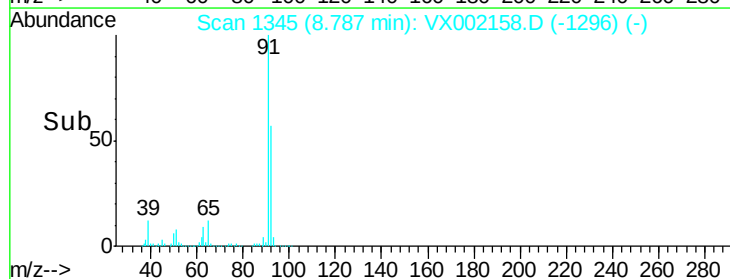
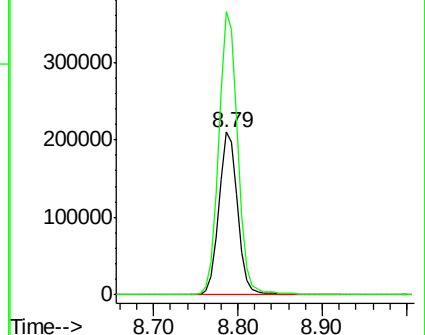
92 100

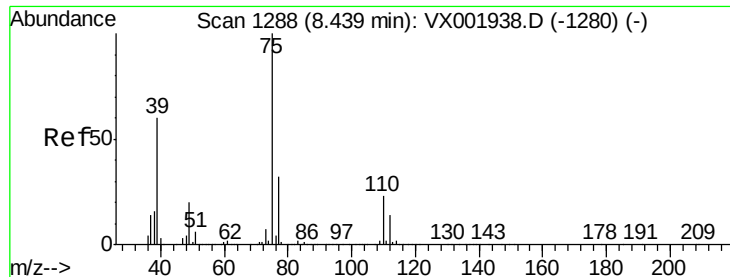
91 175.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 44.30 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

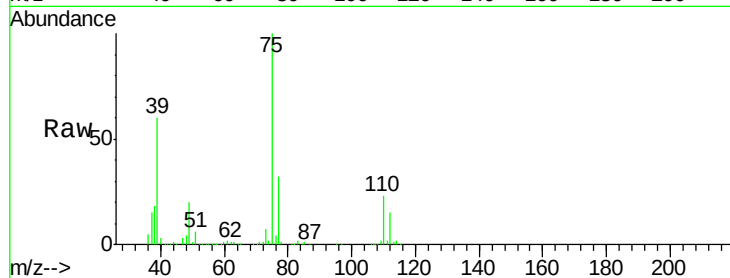
VSTDCCC050

Tgt Ion: 75 Resp: 205812

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

150000

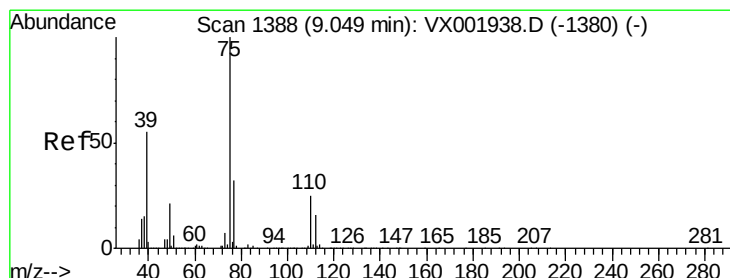
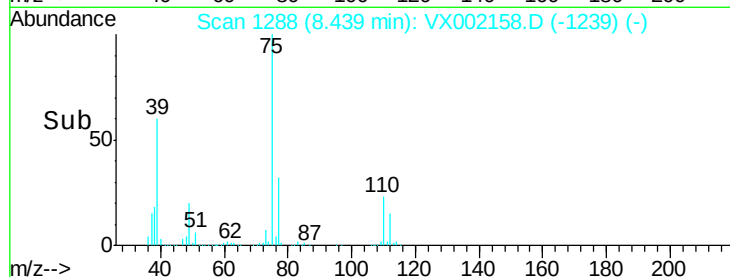
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.44 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

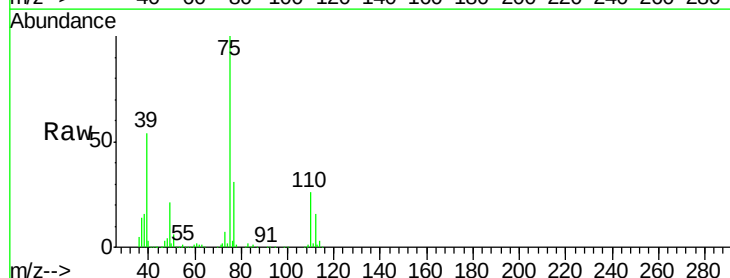
Tgt Ion: 75 Resp: 196662

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 54.0 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

9.05

150000

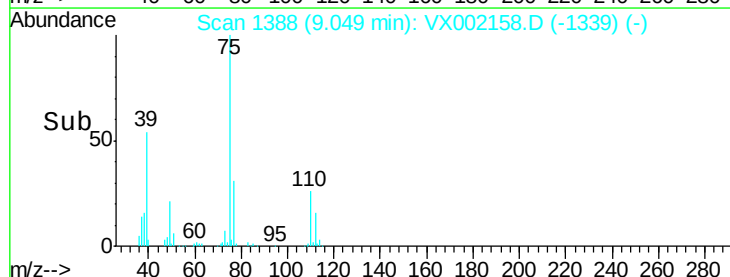
100000

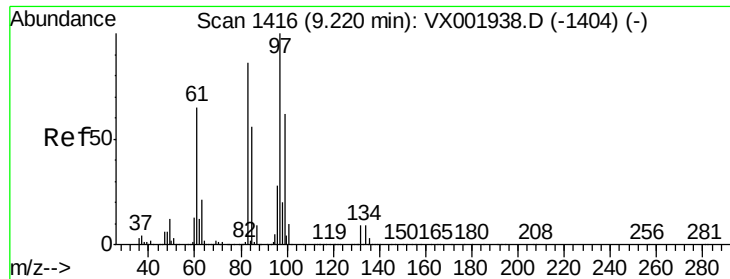
50000

0

8.95 9.00 9.05 9.10 9.15

Time-->

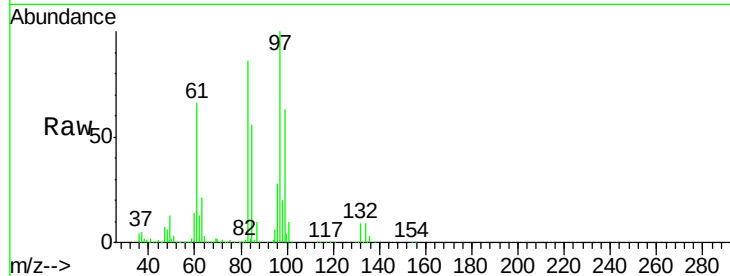




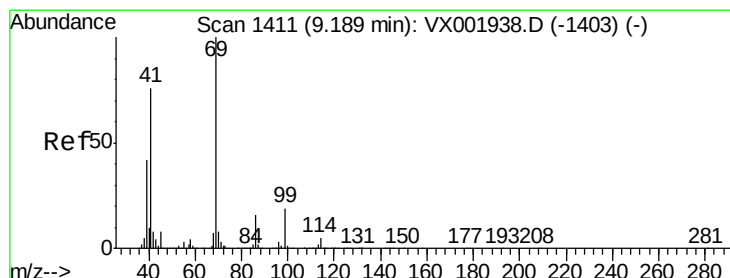
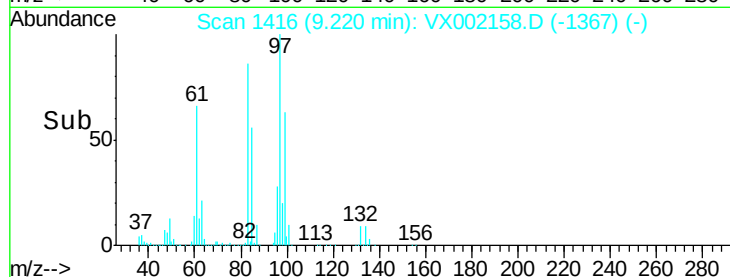
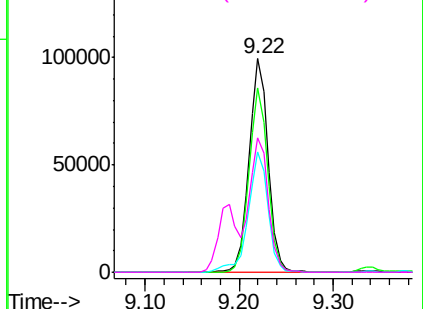
#55
 1,1,2-Trichloroethane
 Concen: 50.55 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	141412
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.1	103.7
85	56.1	45.2	67.8
99	62.9	49.6	74.4

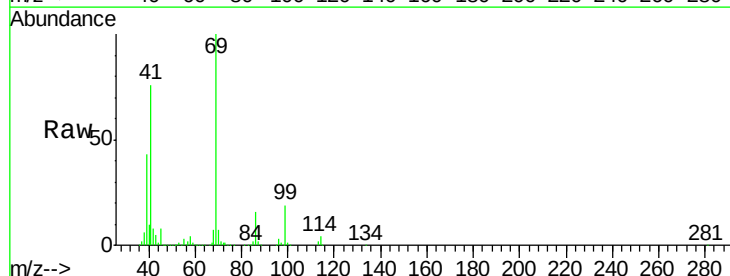


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

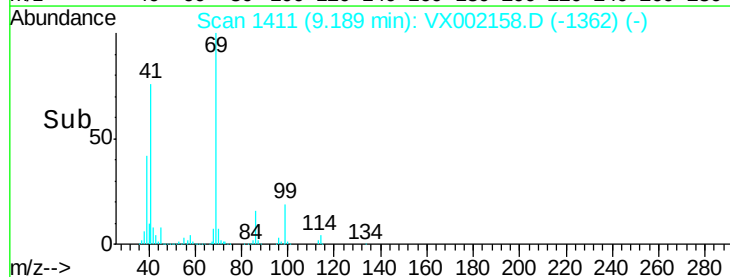
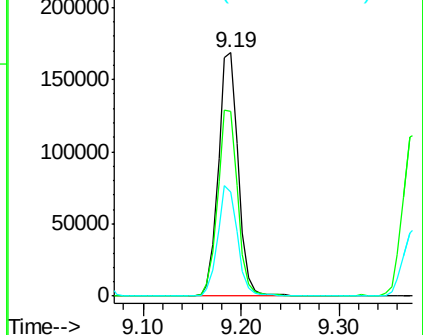


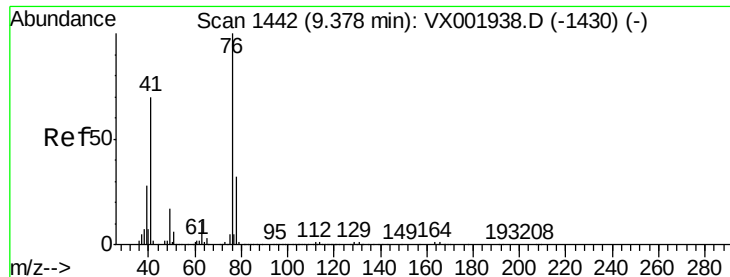
#56
 Ethyl methacrylate
 Concen: 49.33 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion:	69	Resp:	237352
Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.0	91.6
39	45.2	34.4	51.6



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





#57

1,3-Dichloropropane

Concen: 50.98 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

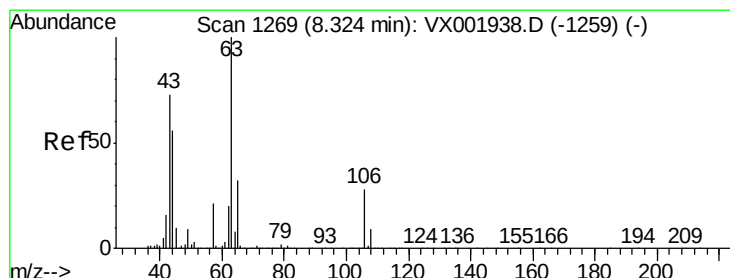
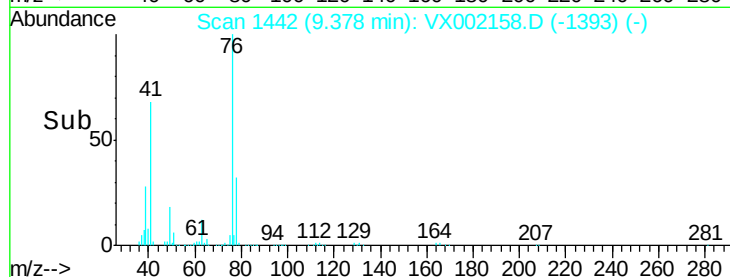
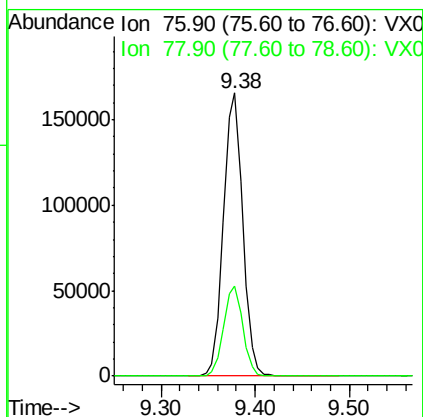
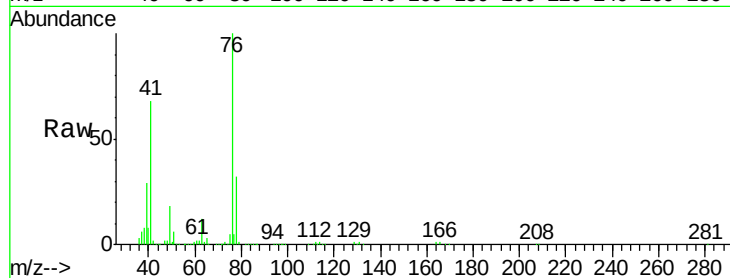
VSTDCCC050

Tgt Ion: 76 Resp: 234964

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 246.43 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002158.D

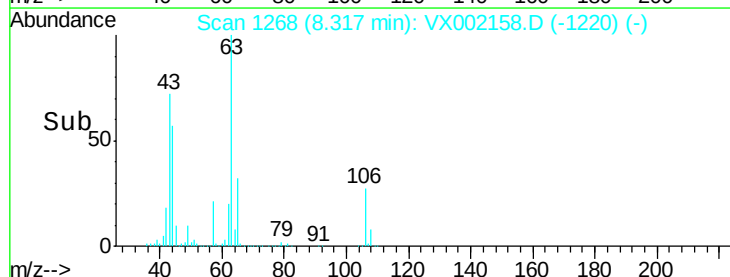
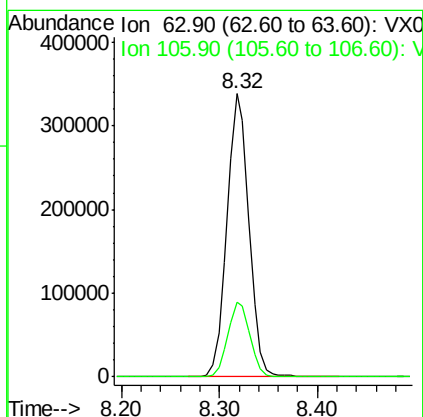
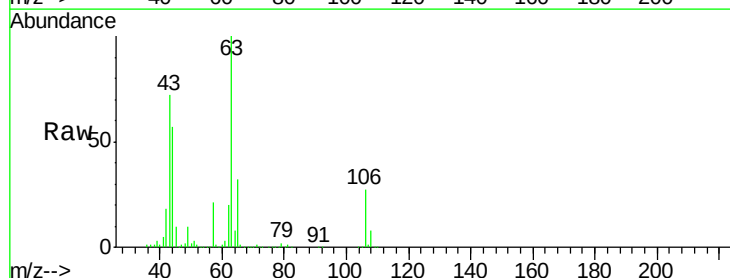
Acq: 31 May 2018 01:17

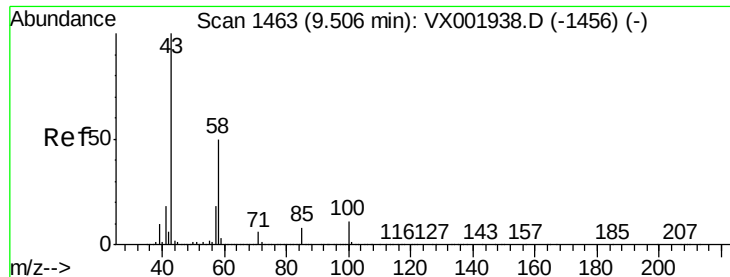
Tgt Ion: 63 Resp: 525564

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5

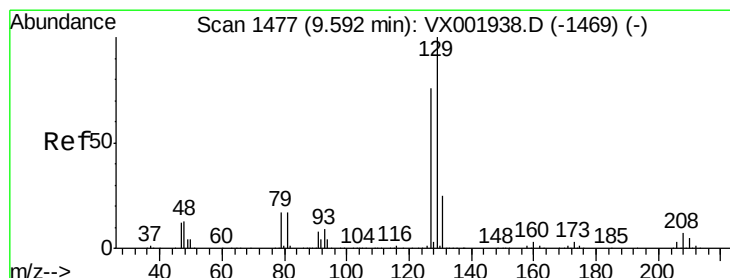
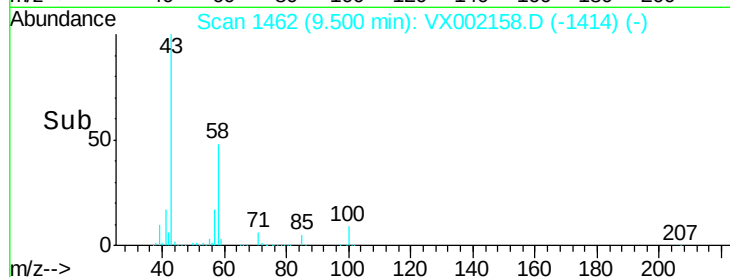
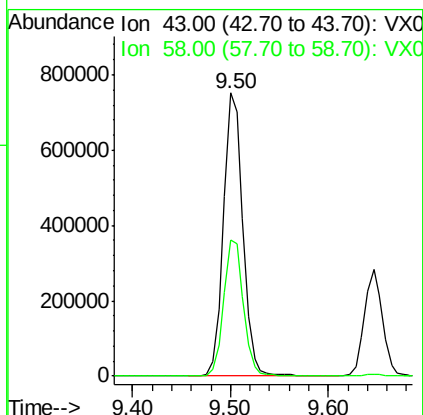
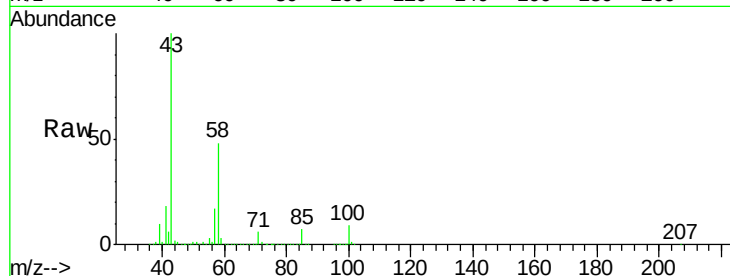




#59
2-Hexanone
Concen: 285.57 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

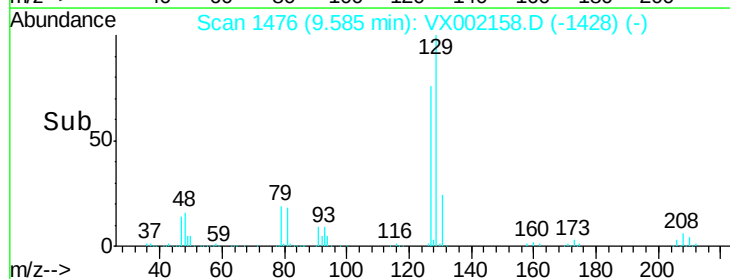
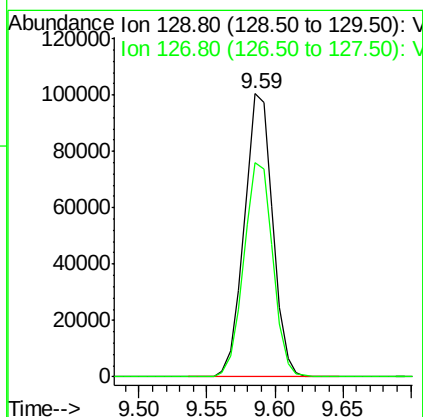
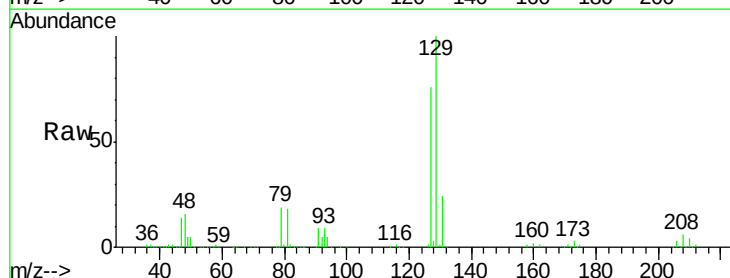
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

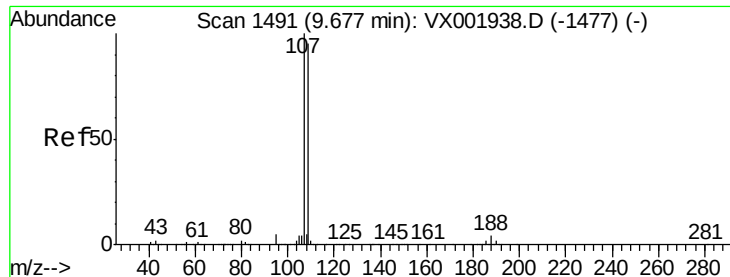
Tgt Ion: 43 Resp: 1035619
Ion Ratio Lower Upper
43 100
58 49.0 24.9 74.6



#60
Dibromochloromethane
Concen: 44.32 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 129 Resp: 146861
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 51.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

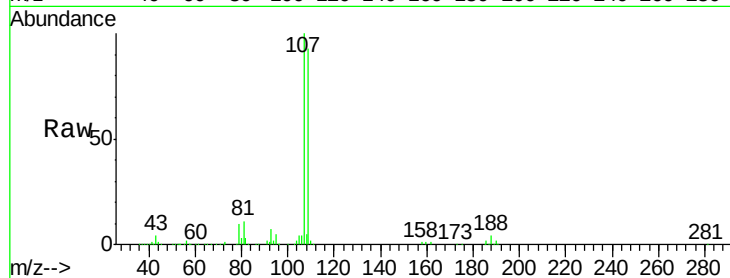
VSTDCCC050

Tgt Ion: 107 Resp: 151461

Ion Ratio Lower Upper

107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

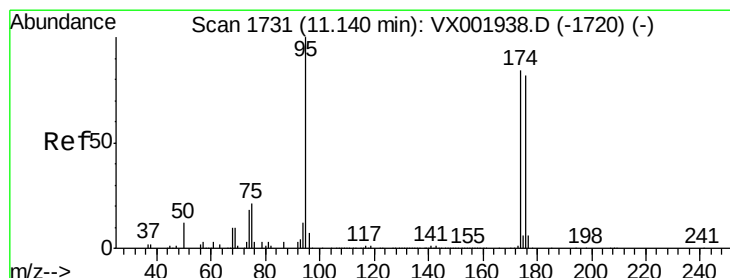
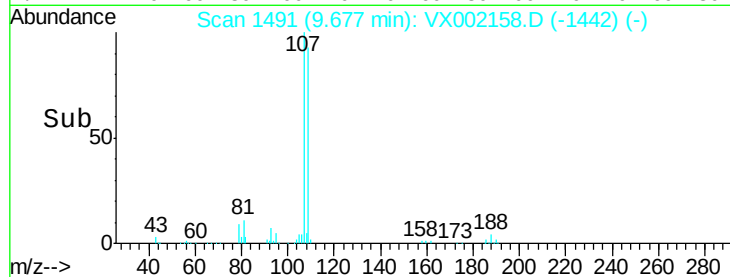
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

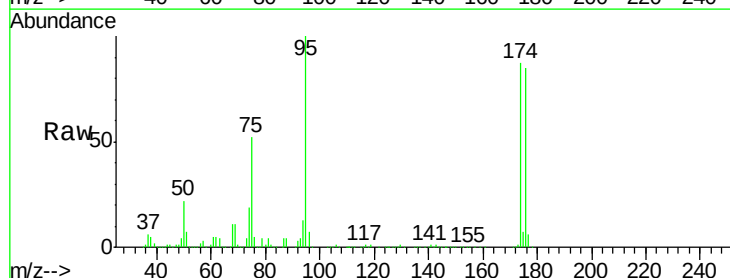
Tgt Ion: 95 Resp: 157259

Ion Ratio Lower Upper

95 100

174 92.9 0.0 178.8

176 89.6 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

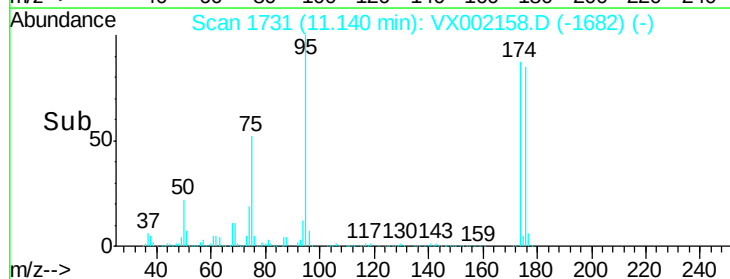
150000

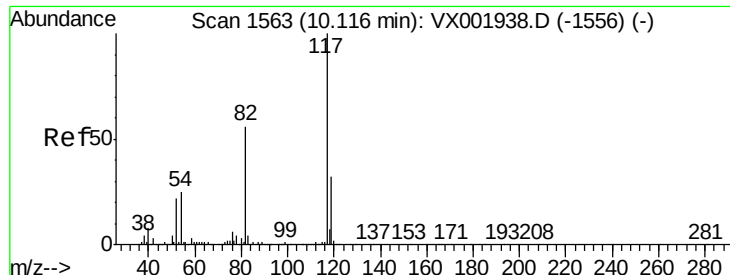
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

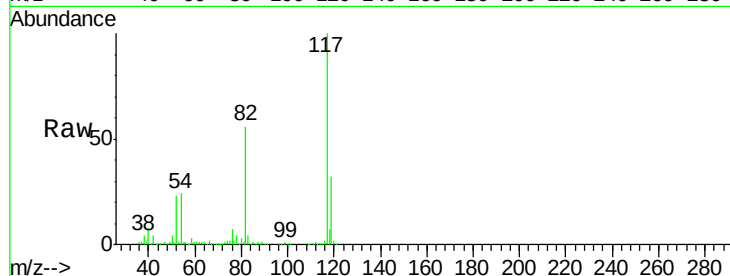
Tgt Ion:117 Resp: 246014

Ion Ratio Lower Upper

117 100

82 55.7 44.8 67.2

119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

100000

50000

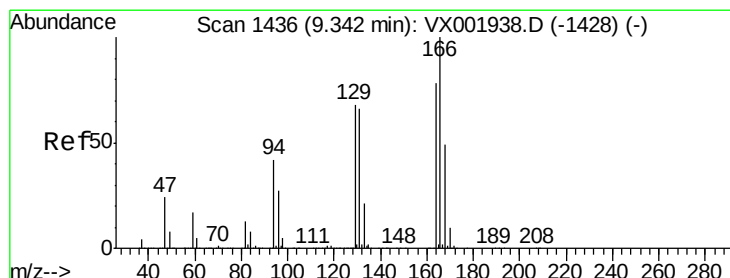
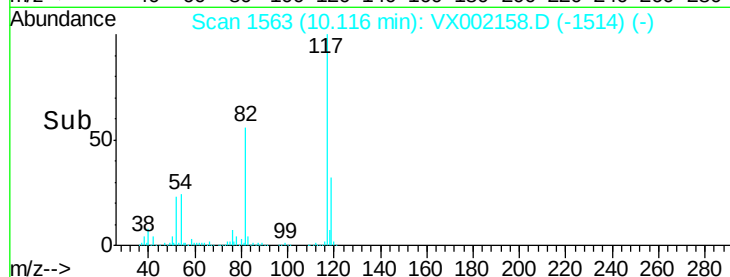
0

10.10

10.12

10.20

Time-->



#64

Tetrachloroethene

Concen: 46.45 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion:164 Resp: 163846

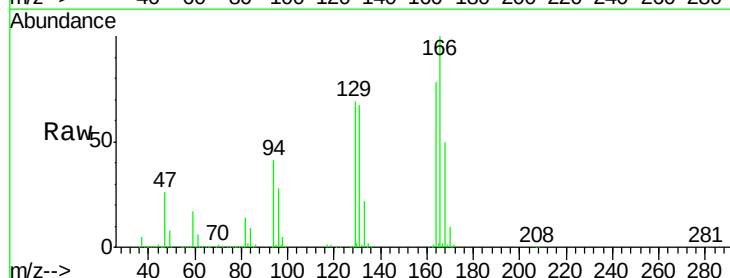
Ion Ratio Lower Upper

164 100

166 127.6 102.7 154.1

129 88.0 70.3 105.5

131 85.3 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

200000

150000

100000

50000

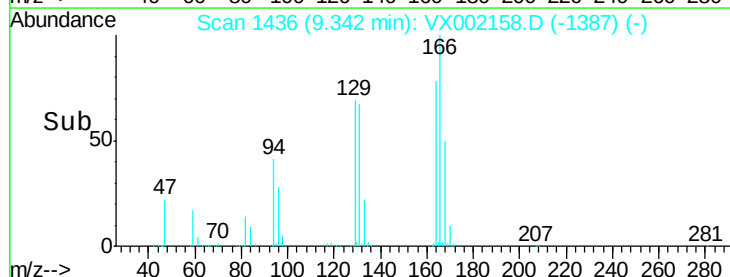
0

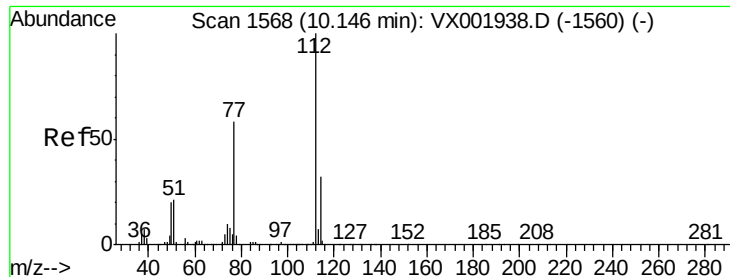
9.30

9.34

9.50

Time-->

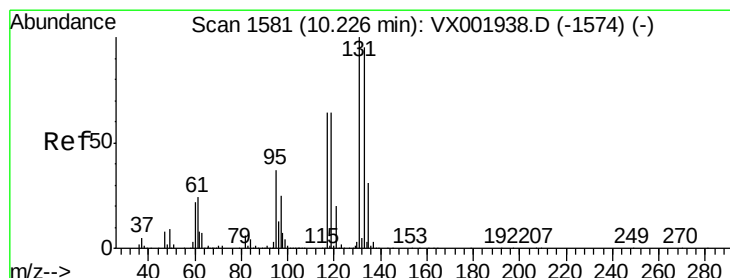
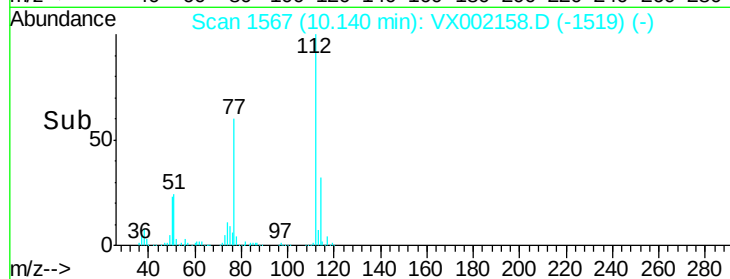
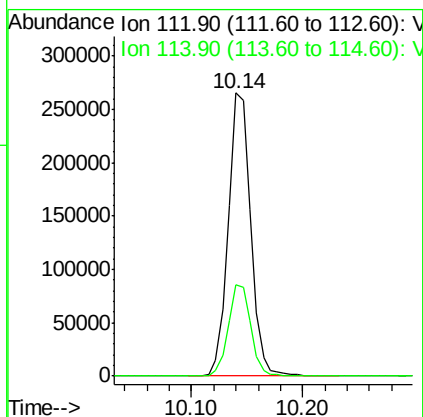
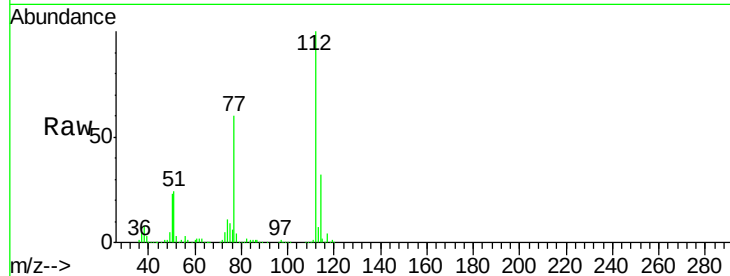




#65
Chlorobenzene
Concen: 47.62 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

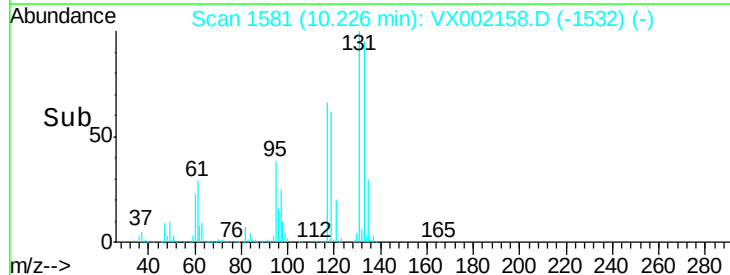
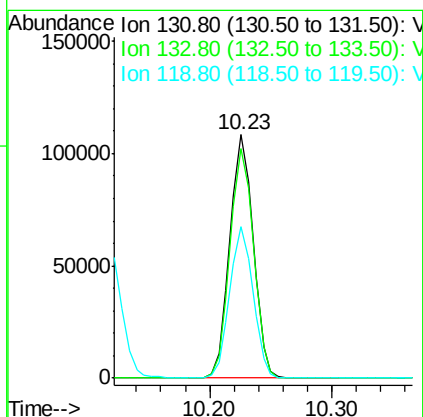
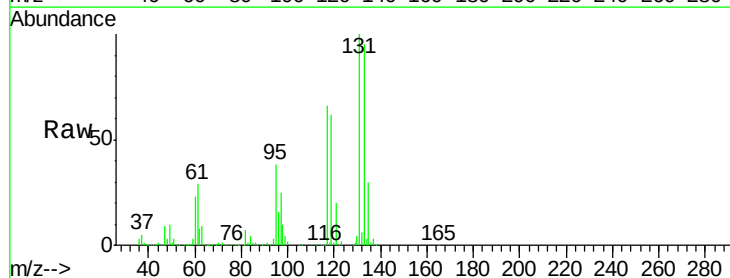
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

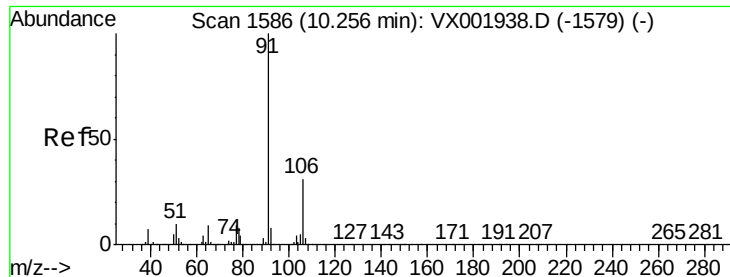
Tgt Ion:112 Resp: 371200
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 45.60 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion:131 Resp: 143515
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 62.2 31.9 95.5





#67

Ethyl Benzene

Concen: 46.97 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

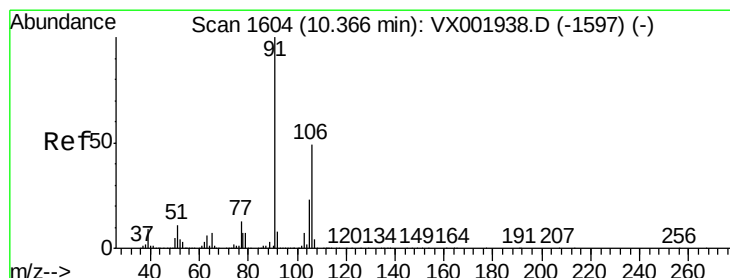
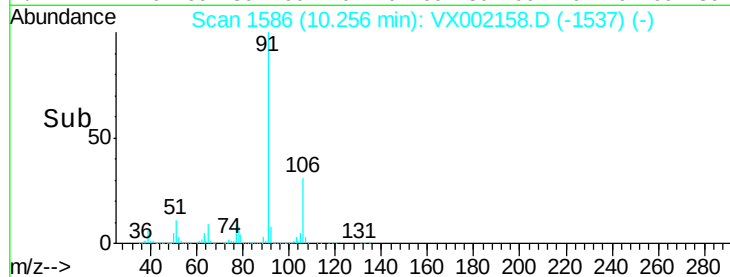
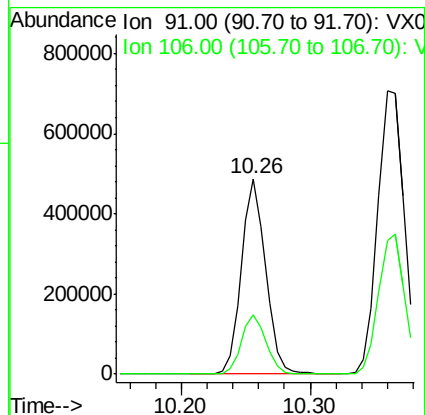
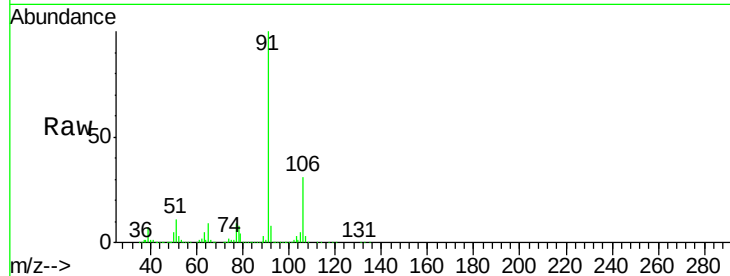
VSTDCCC050

Tgt Ion: 91 Resp: 636141

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.6



#68

m/p-Xylenes

Concen: 94.78 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002158.D

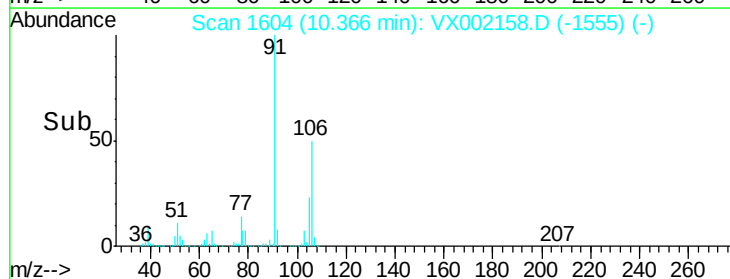
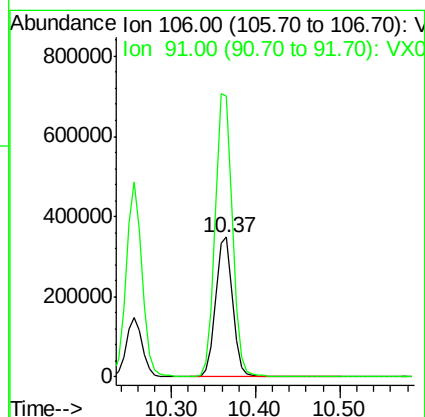
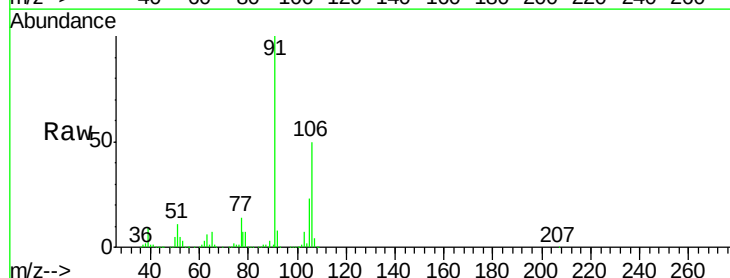
Acq: 31 May 2018 01:17

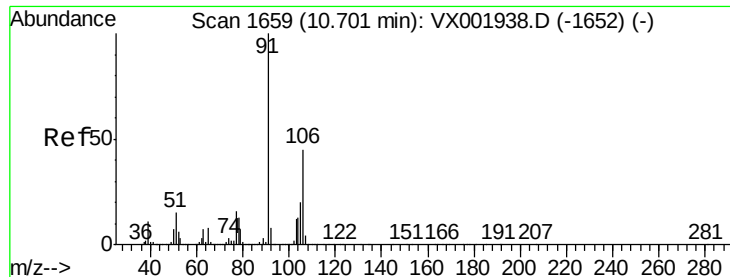
Tgt Ion: 106 Resp: 490648

Ion Ratio Lower Upper

106 100

91 206.5 165.0 247.6

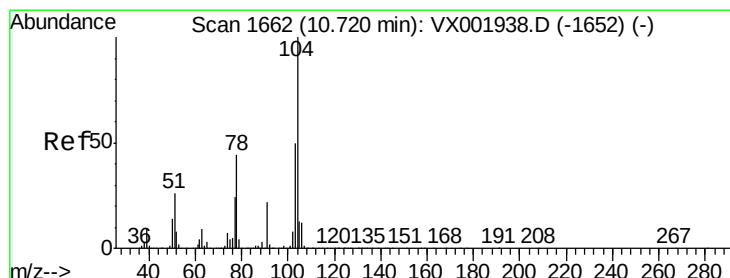
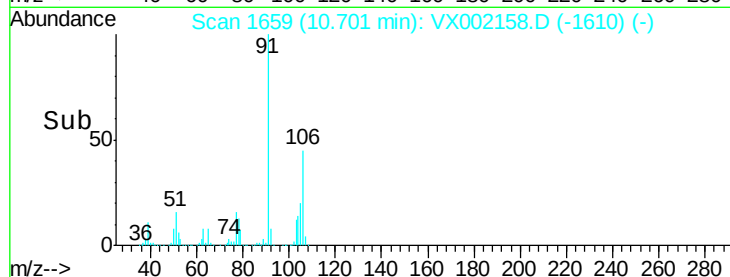
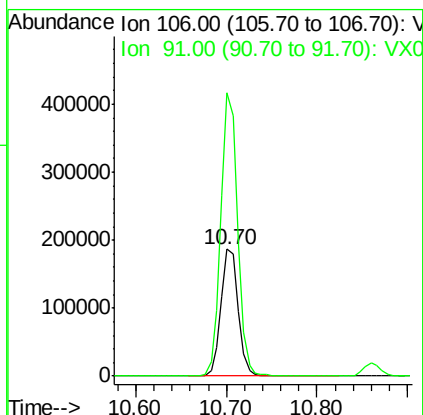
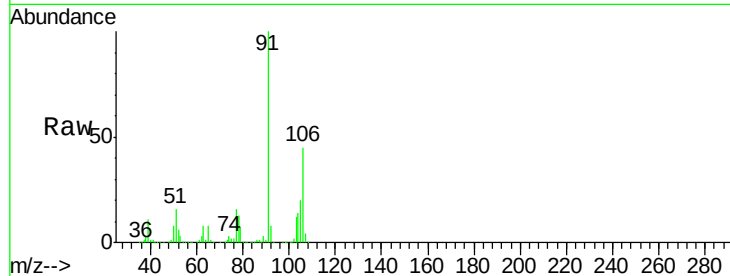




#69
o-Xylene
Concen: 48.09 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

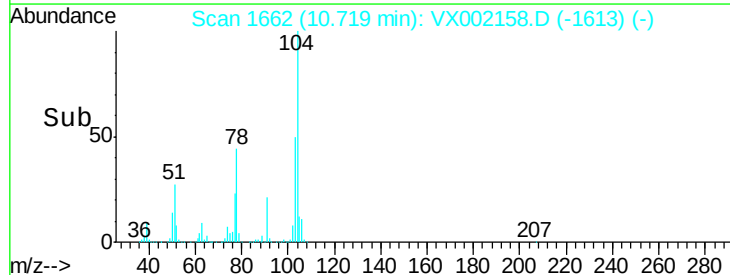
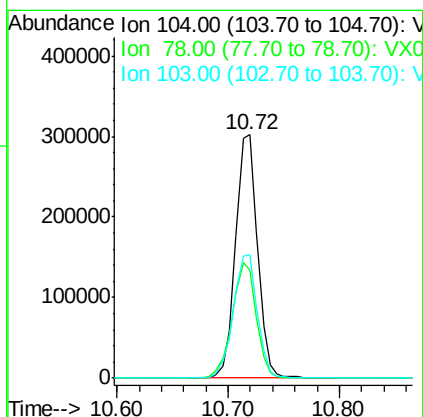
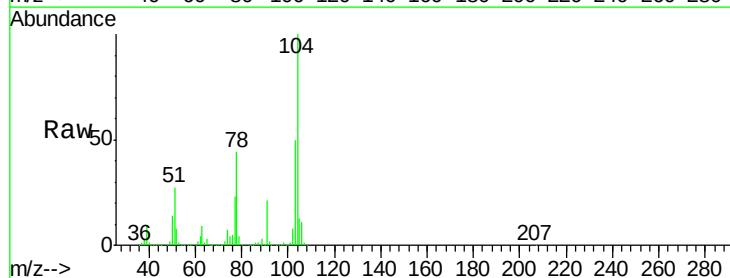
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

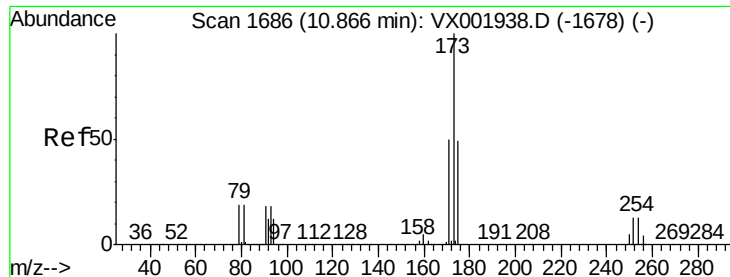
Tgt Ion:106 Resp: 248548
Ion Ratio Lower Upper
106 100
91 217.9 108.7 325.9



#70
Styrene
Concen: 48.30 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion:104 Resp: 414012
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.6
103 55.7 44.6 67.0





#71

Bromoform

Concen: 40.11 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

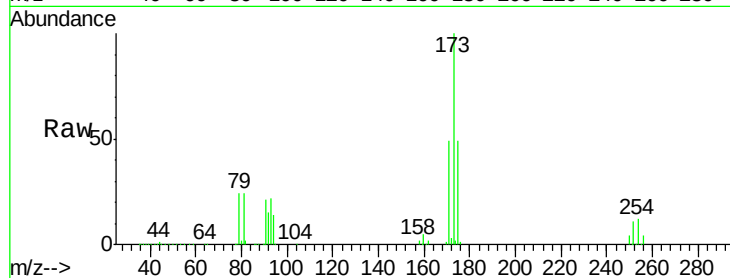
Tgt Ion:173 Resp: 119712

Ion Ratio Lower Upper

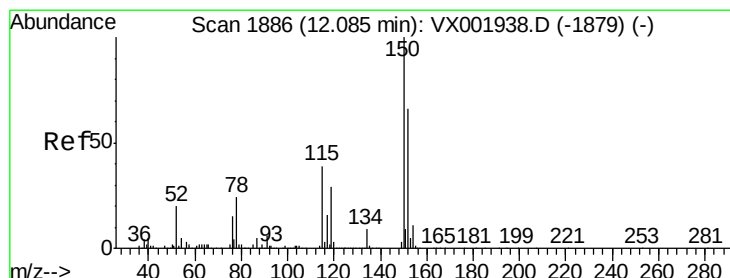
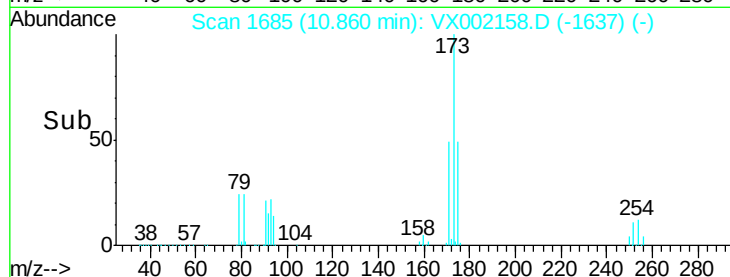
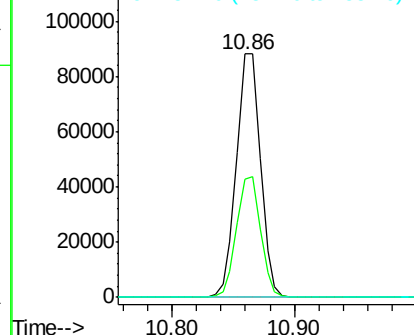
173 100

175 49.5 24.3 72.9

254 0.2 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: VX002158.D

Acq: 31 May 2018 01:17

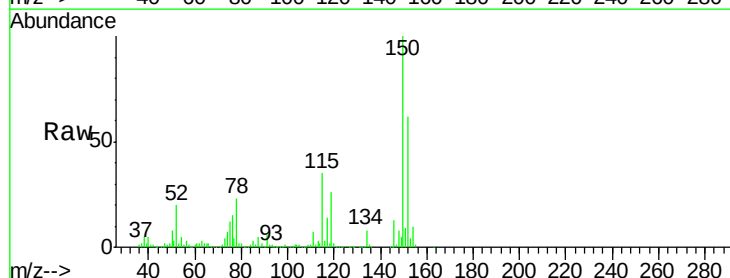
Tgt Ion:152 Resp: 161171

Ion Ratio Lower Upper

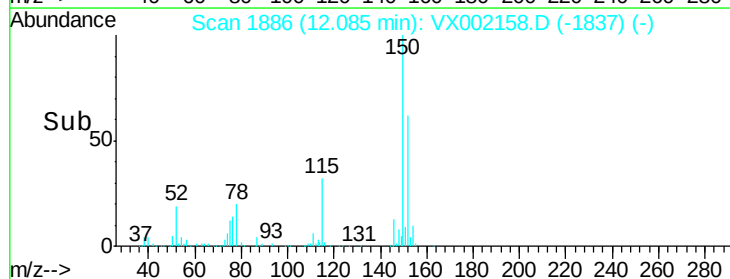
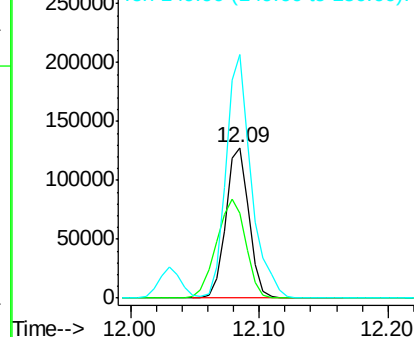
152 100

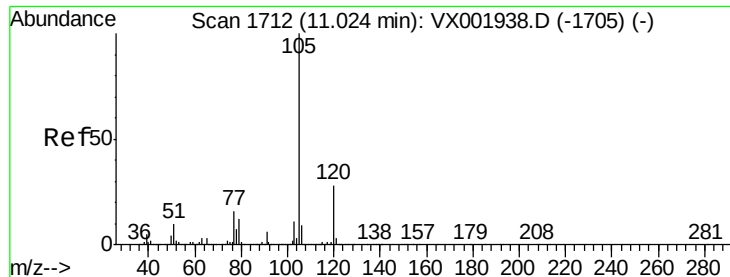
115 83.1 42.3 126.8

150 176.6 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: 46.65 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

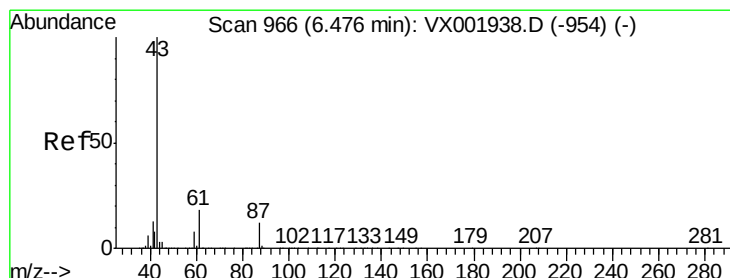
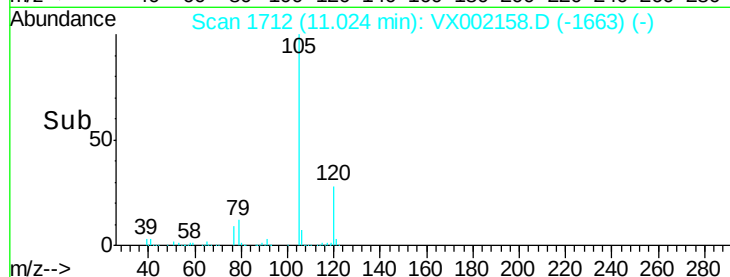
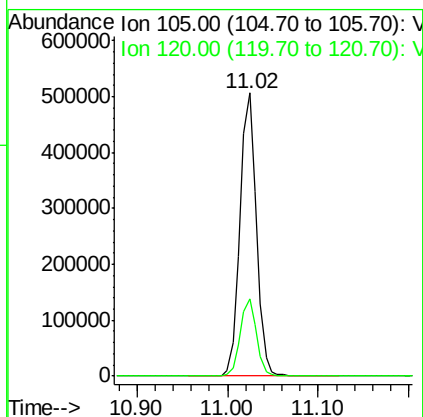
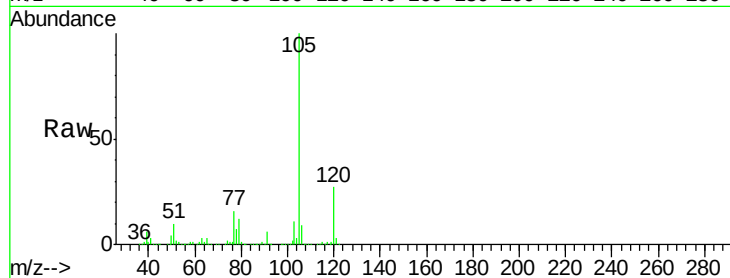
VSTDCCC050

Tgt Ion:105 Resp: 636622

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 56.37 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion: 43 Resp: 396290

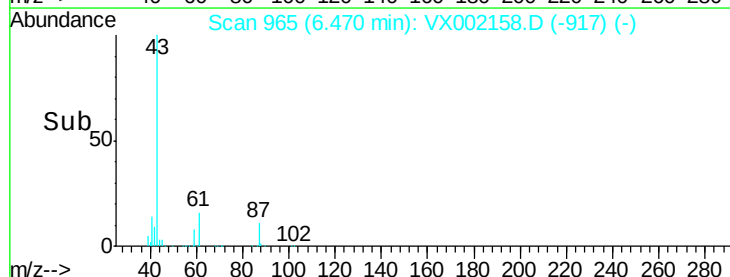
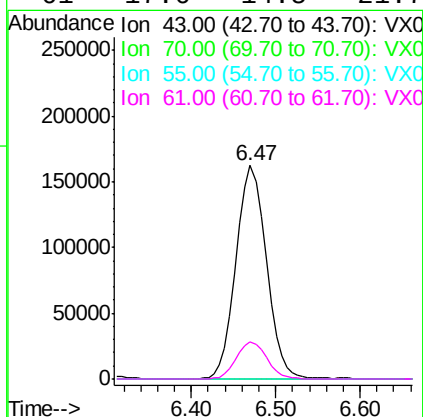
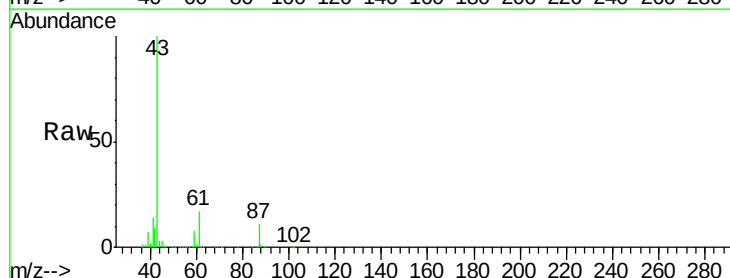
Ion Ratio Lower Upper

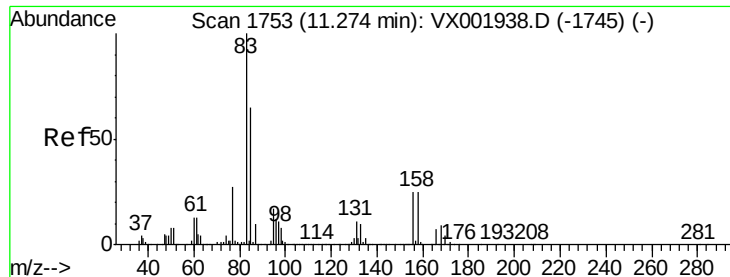
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 17.6 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 57.46 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

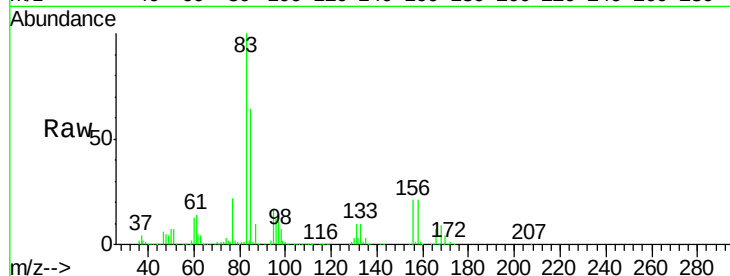
Tgt Ion: 83 Resp: 213774

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

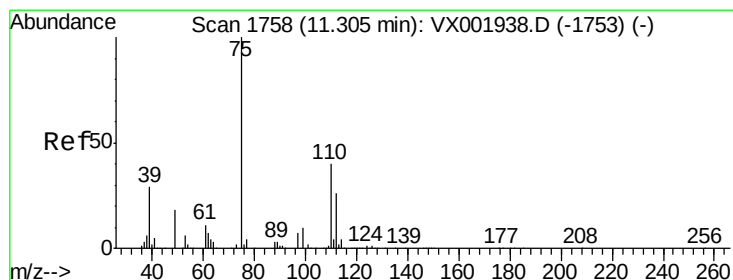
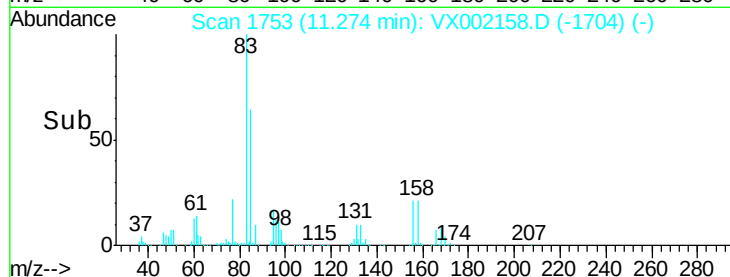
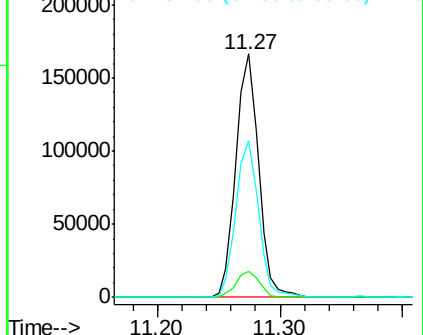
85 64.8 32.6 97.7



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: 69.27 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002158.D

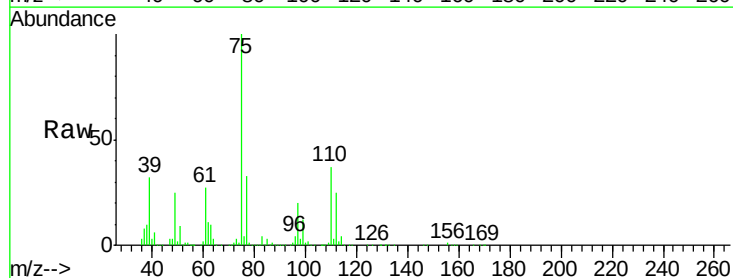
Acq: 31 May 2018 01:17

Tgt Ion: 75 Resp: 268160

Ion Ratio Lower Upper

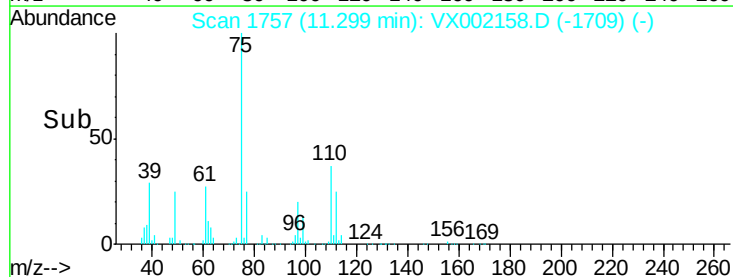
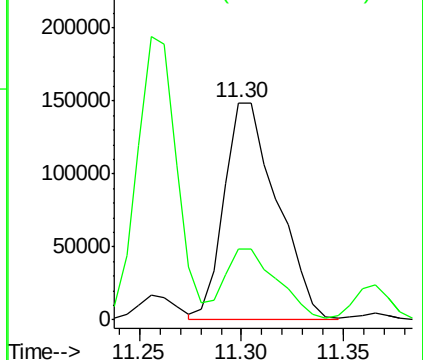
75 100

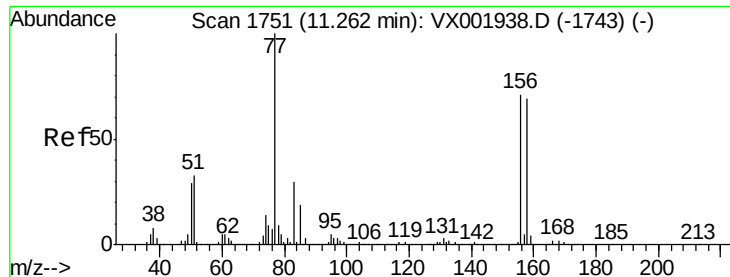
77 32.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.74 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

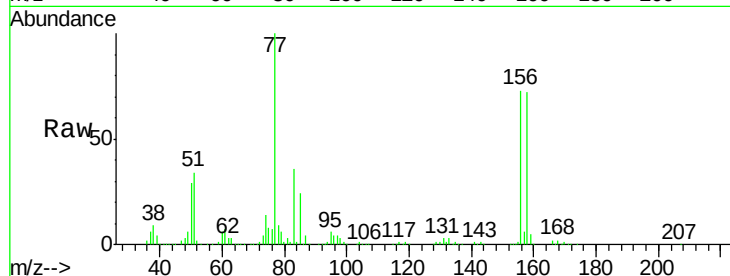
Tgt Ion:156 Resp: 180102

Ion Ratio Lower Upper

156 100

77 144.1 75.2 225.6

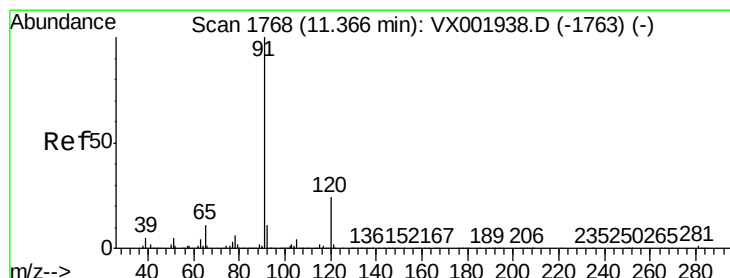
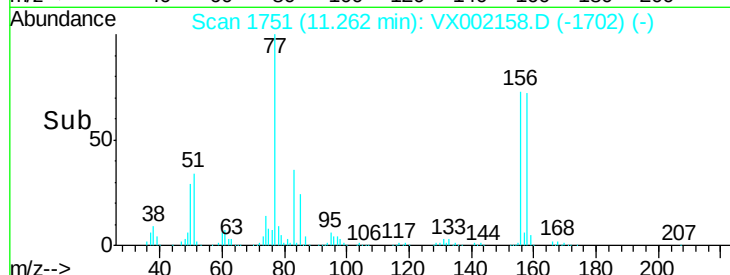
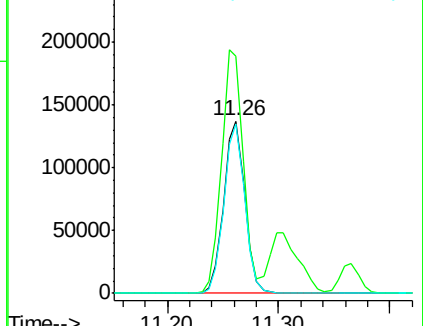
158 97.2 48.6 145.8



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: 46.11 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002158.D

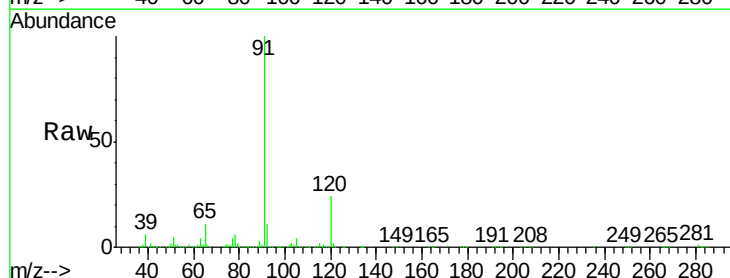
Acq: 31 May 2018 01:17

Tgt Ion: 91 Resp: 704870

Ion Ratio Lower Upper

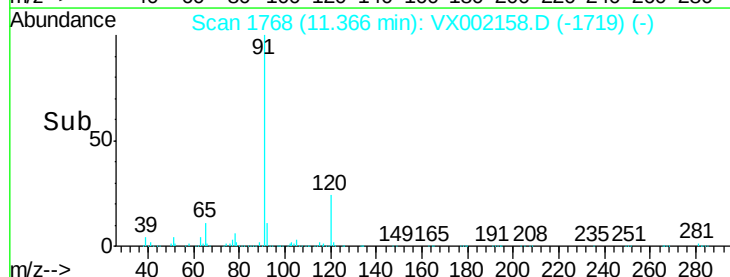
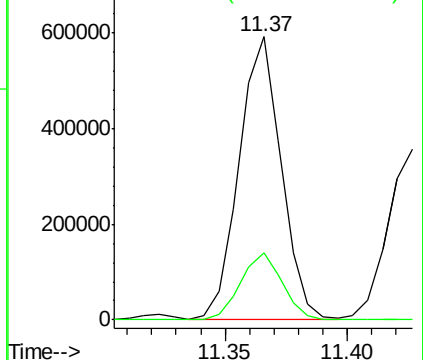
91 100

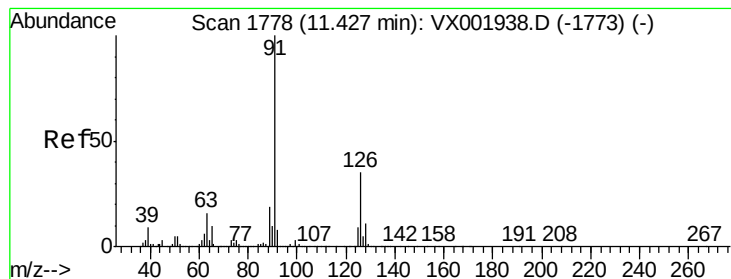
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

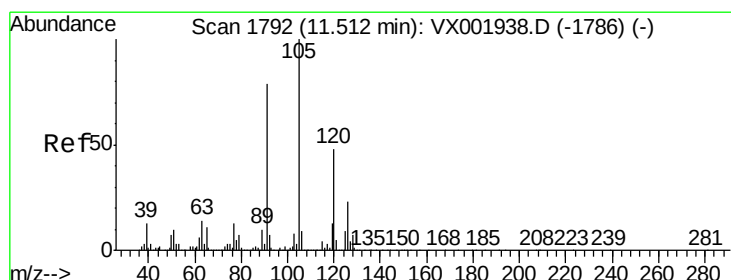
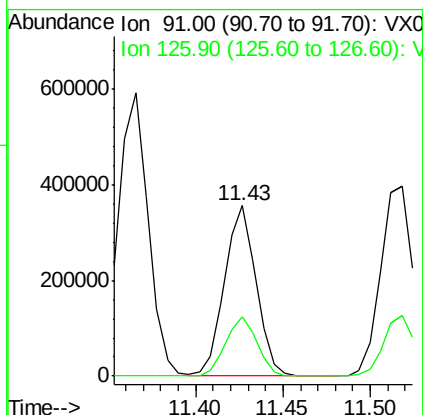
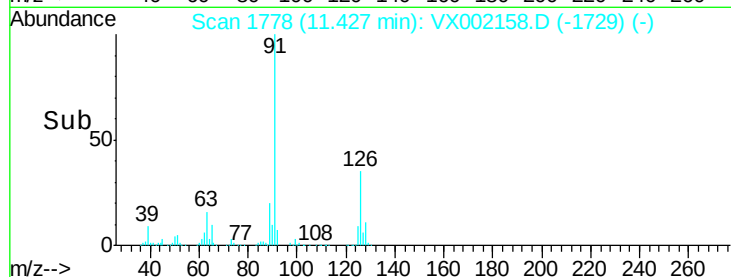
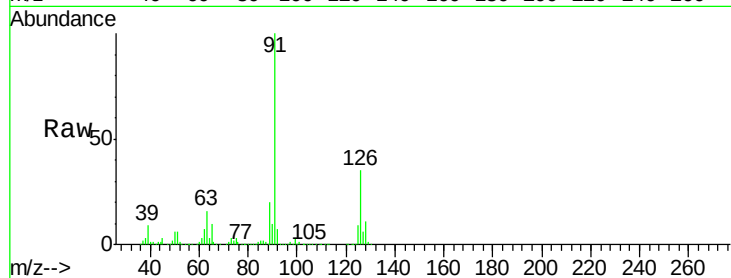
VSTDCCC050

Tgt Ion: 91 Resp: 445560

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 47.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002158.D

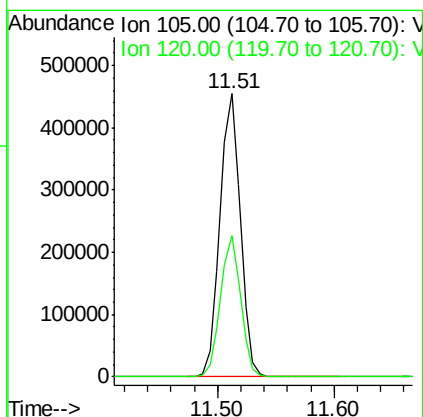
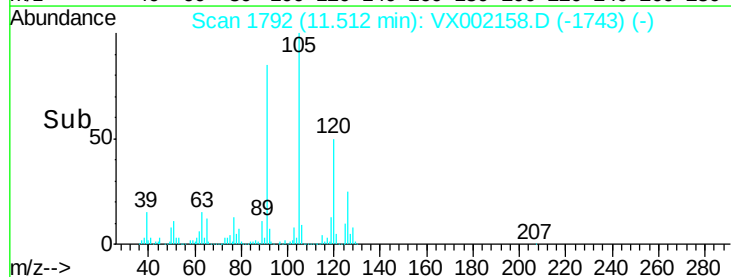
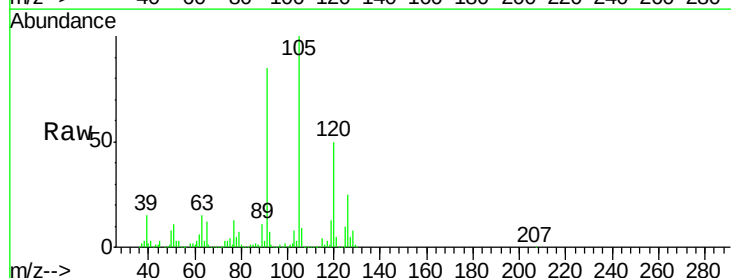
Acq: 31 May 2018 01:17

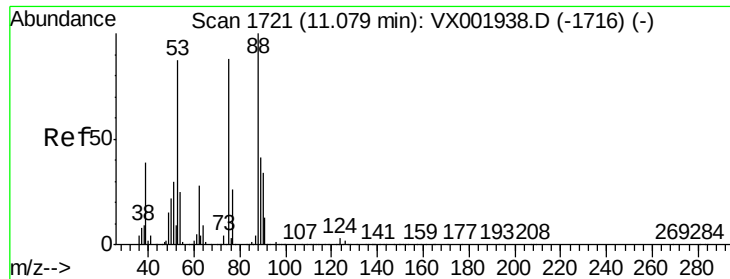
Tgt Ion: 105 Resp: 549712

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 38.50 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

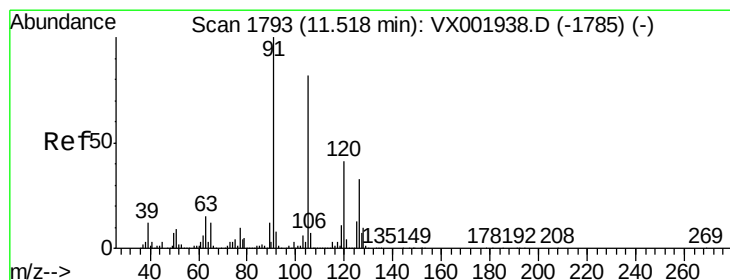
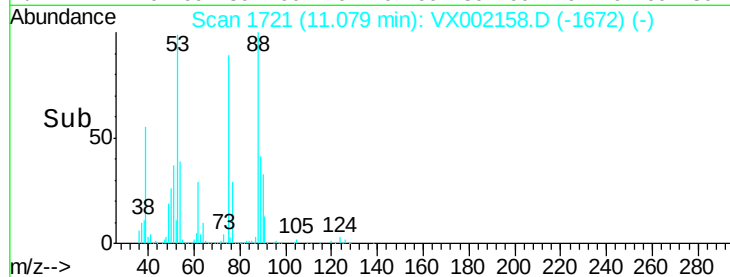
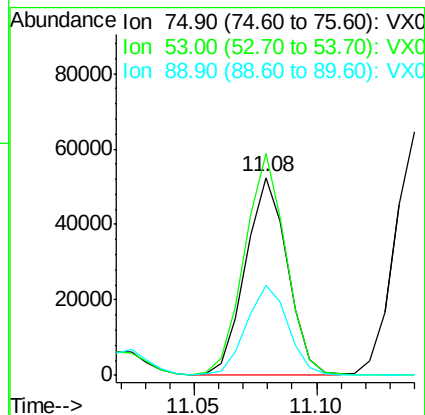
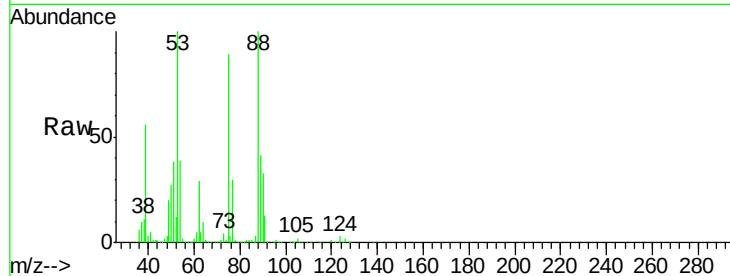
Tgt Ion: 75 Resp: 62012

Ion Ratio Lower Upper

75 100

53 111.5 78.0 117.0

89 46.5 39.4 59.2



#82

4-Chlorotoluene

Concen: 47.77 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX002158.D

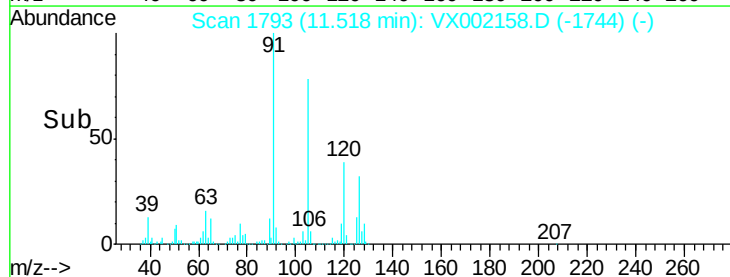
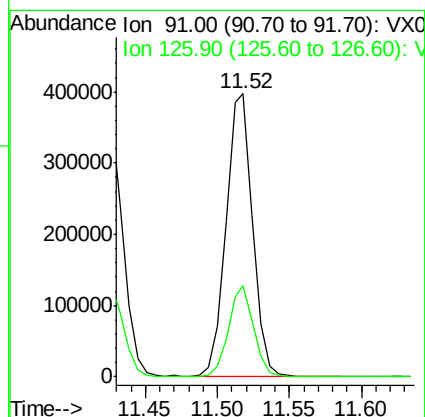
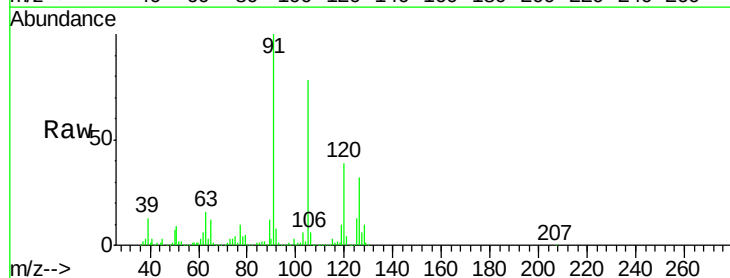
Acq: 31 May 2018 01:17

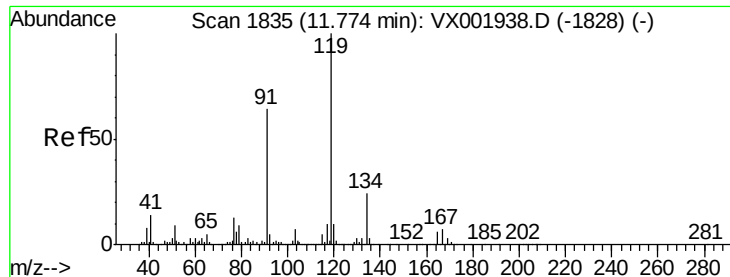
Tgt Ion: 91 Resp: 514986

Ion Ratio Lower Upper

91 100

126 30.4 15.3 45.8

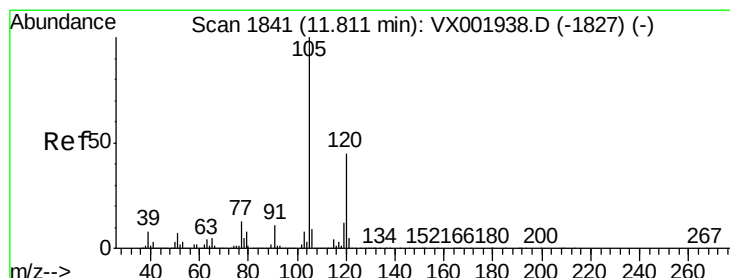
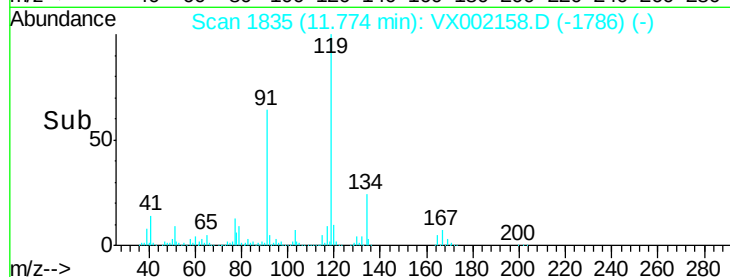
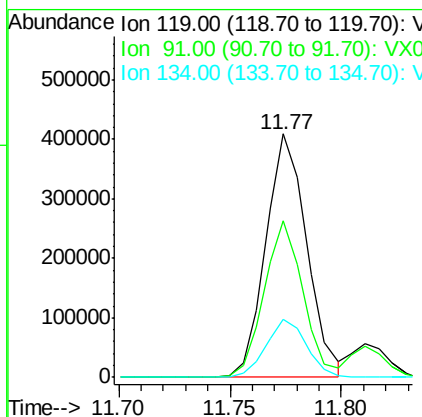
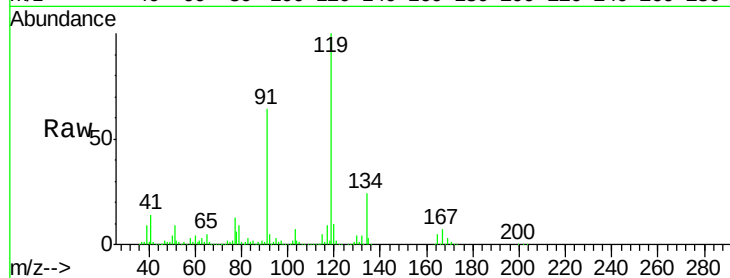




#83
 tert-Butylbenzene
 Concen: 45.67 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

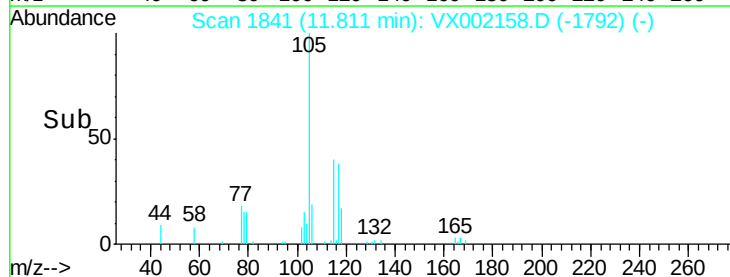
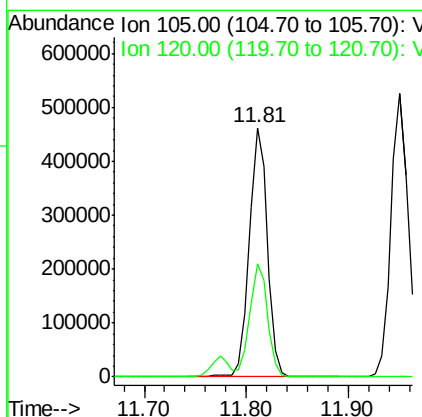
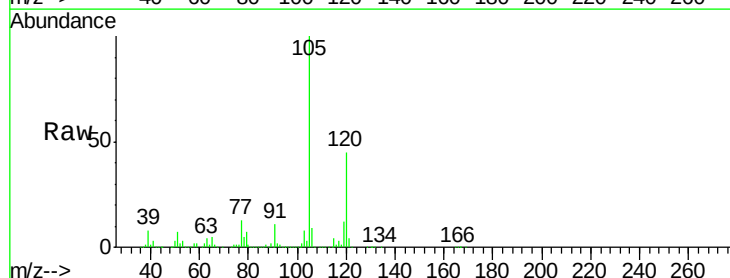
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

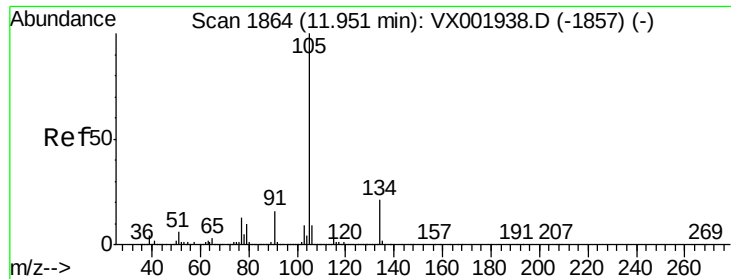
Tgt Ion:119 Resp: 522743
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.6 91.8
 134 23.4 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion:105 Resp: 571813
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.56 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

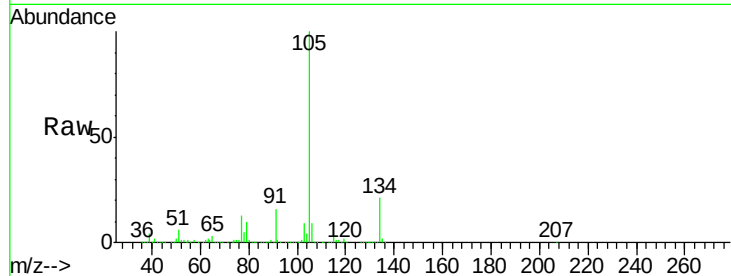
VSTDCCC050

Tgt Ion:105 Resp: 626836

Ion Ratio Lower Upper

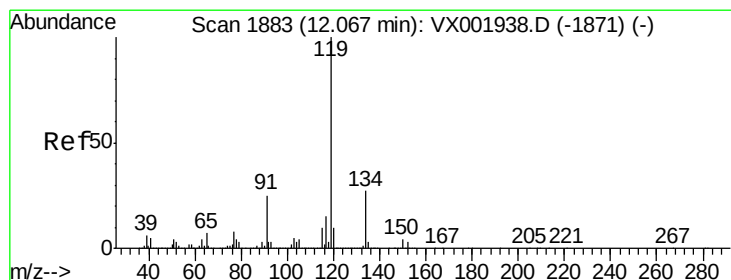
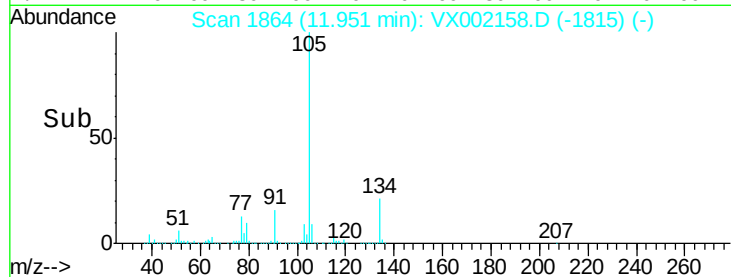
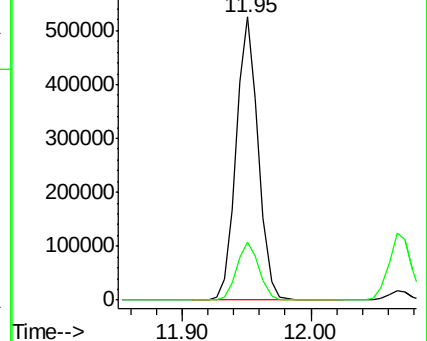
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.62 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

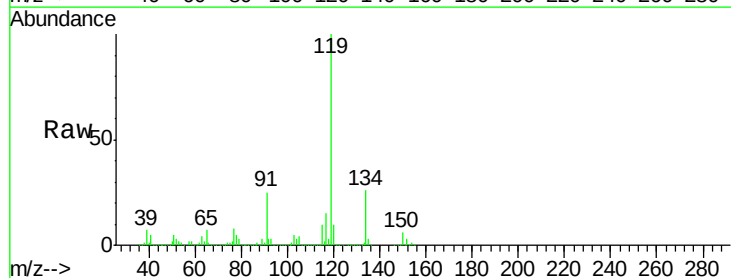
Tgt Ion:119 Resp: 561597

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

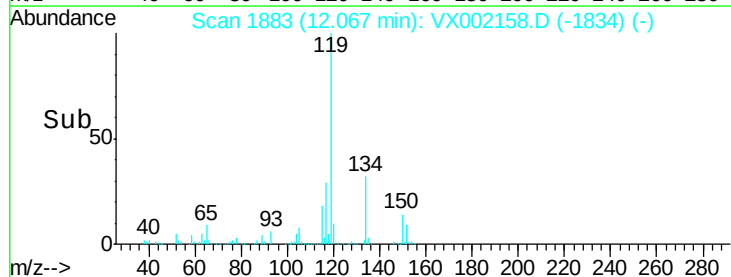
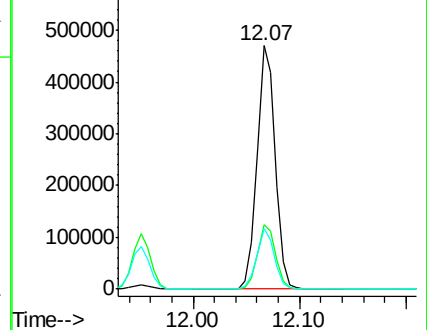
91 24.0 12.2 36.4

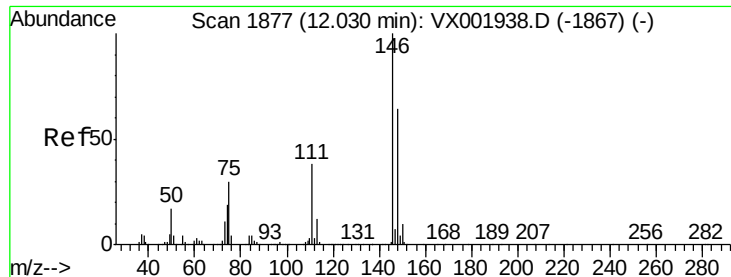


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

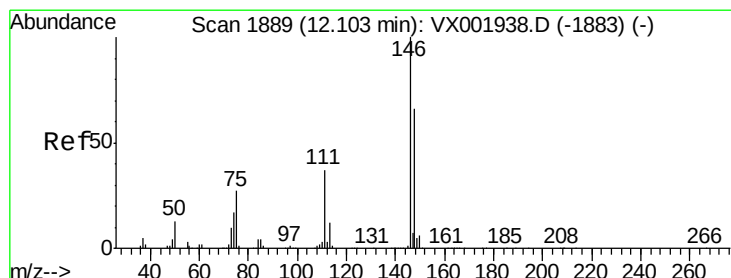
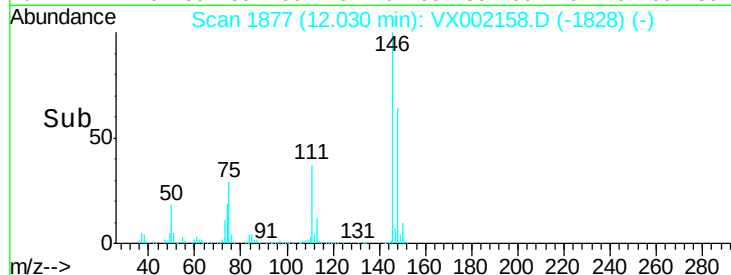
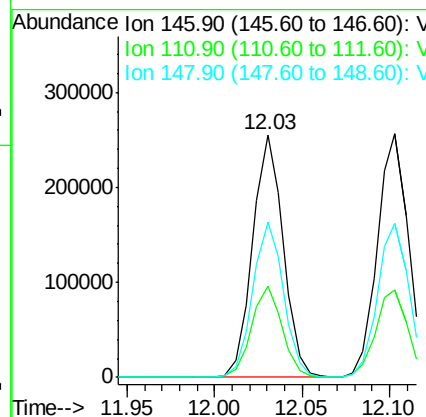
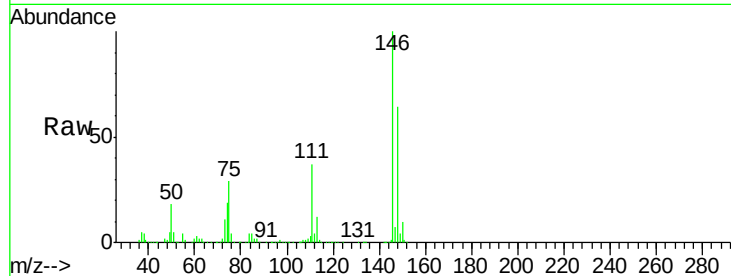




#87
 1,3-Dichlorobenzene
 Concen: 47.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

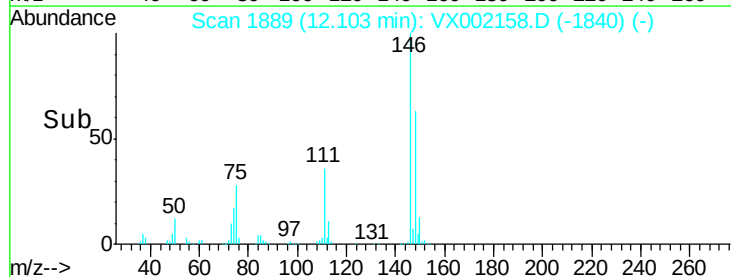
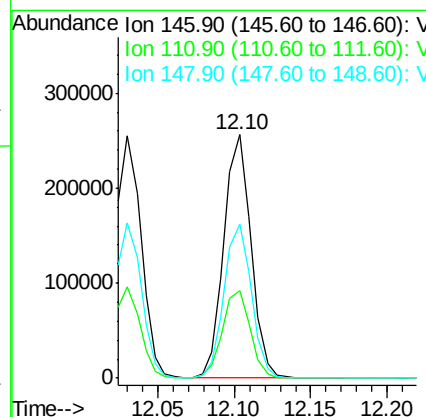
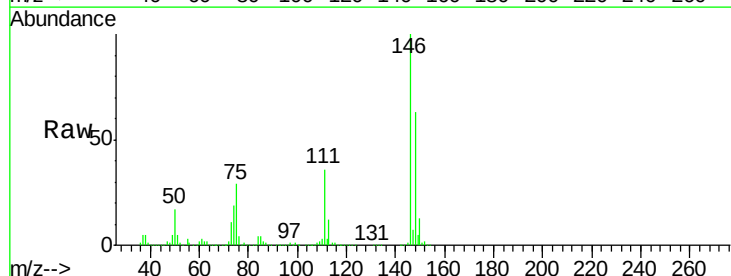
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

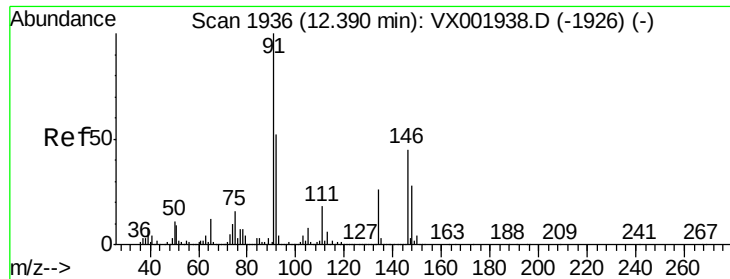
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.8
148	64.3	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.65 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	64.1	32.3	96.8

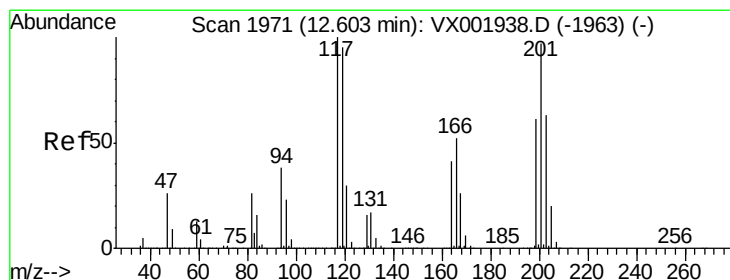
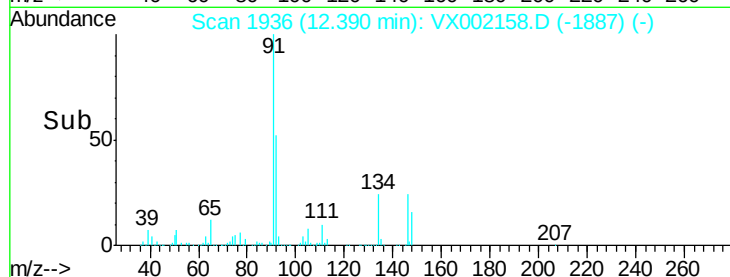
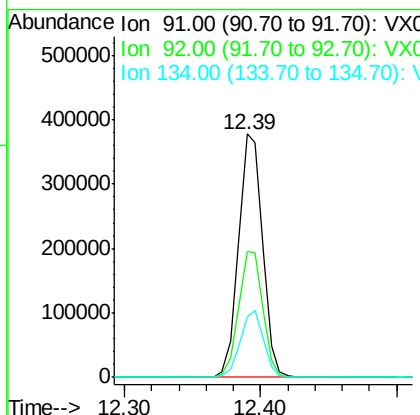
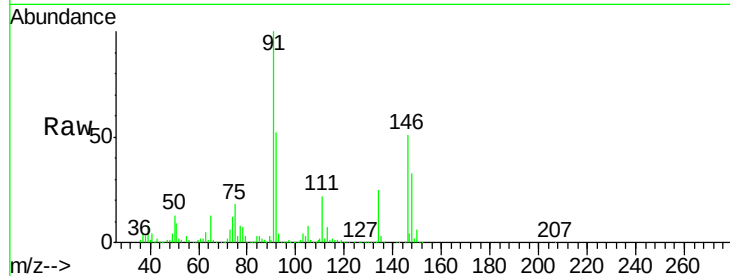




#89
n-Butylbenzene
Concen: 44.10 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

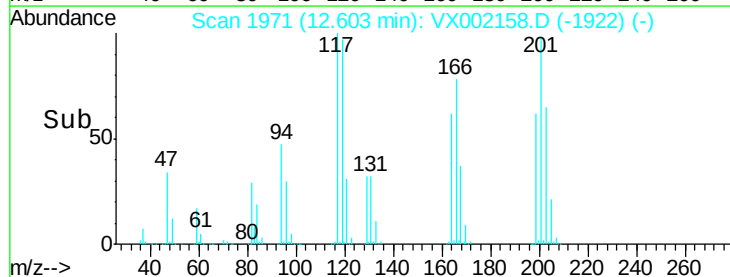
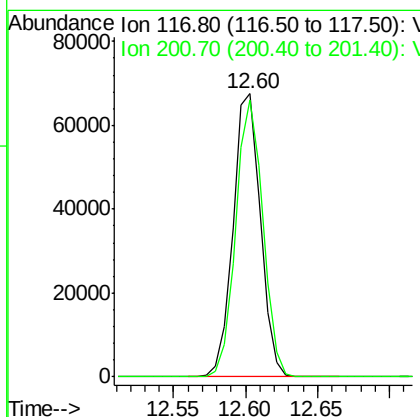
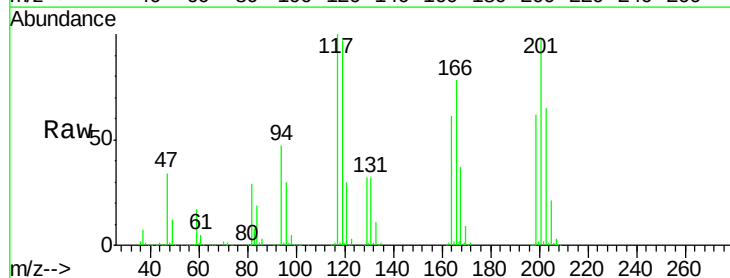
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

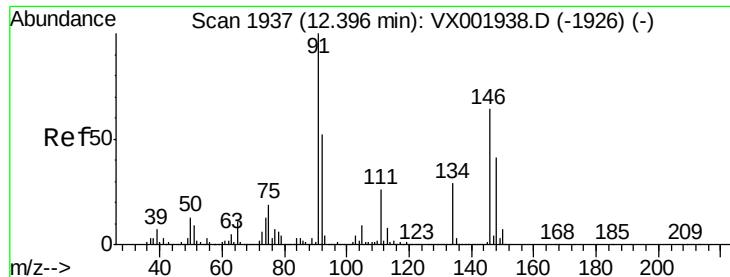
Tgt Ion: 91 Resp: 460028
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 26.6 13.6 40.7



#90
Hexachloroethane
Concen: 36.98 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion: 117 Resp: 89803
Ion Ratio Lower Upper
117 100
201 96.2 48.0 144.0

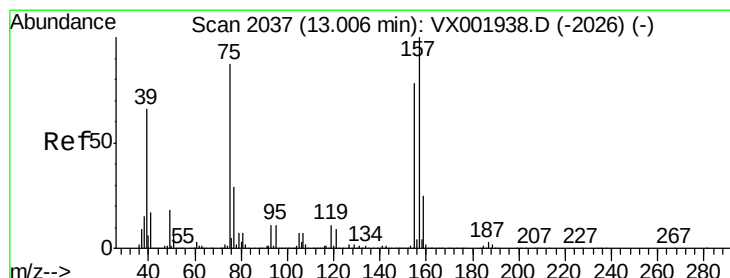
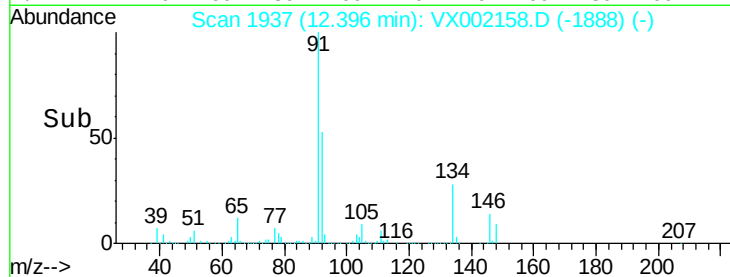
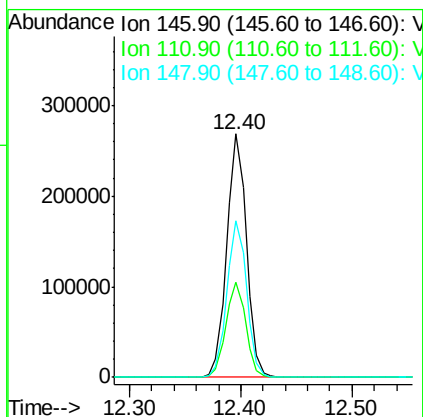
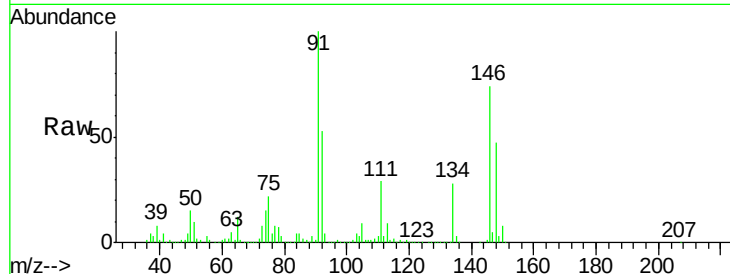




#91
 1,2-Dichlorobenzene
 Concen: 49.62 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

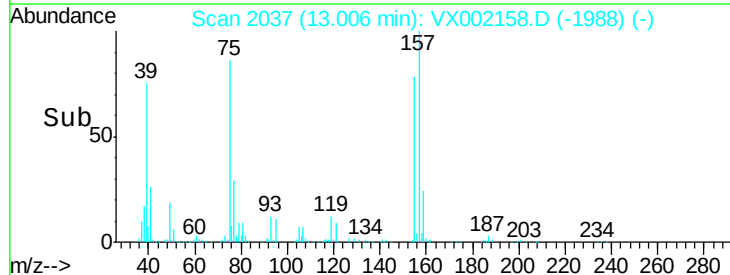
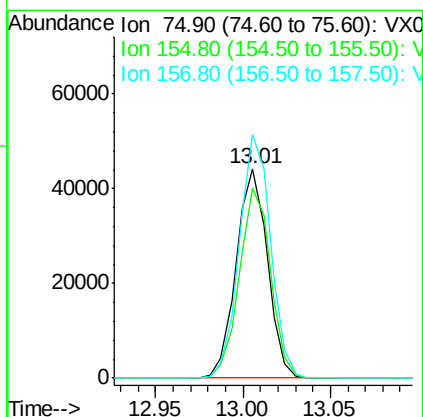
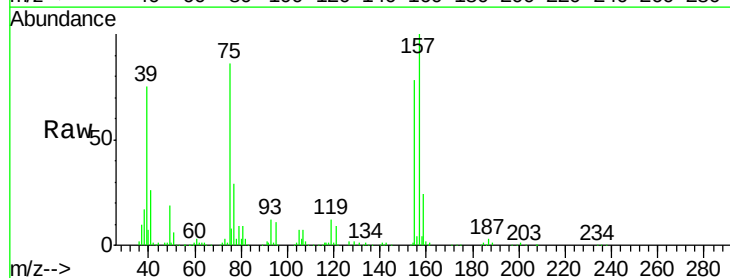
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

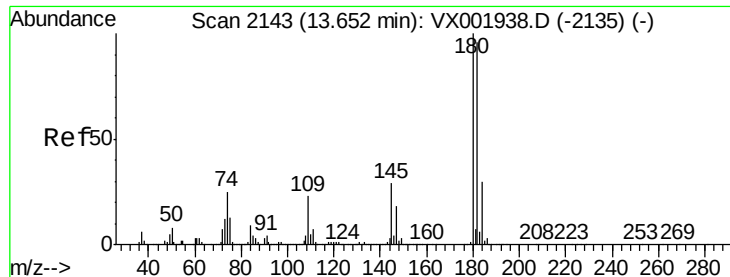
Tgt Ion:146 Resp: 327846
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.8 59.3
 148 64.4 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.30 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion: 75 Resp: 54963
 Ion Ratio Lower Upper
 75 100
 155 90.7 45.1 135.2
 157 116.6 58.1 174.2

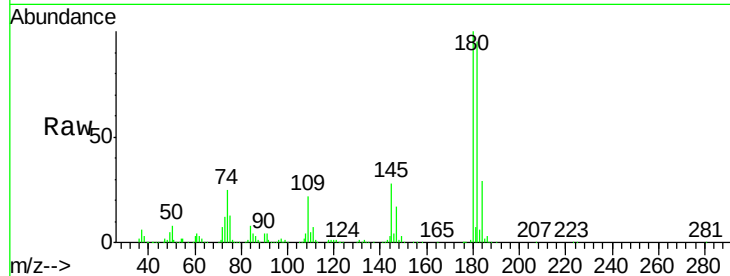




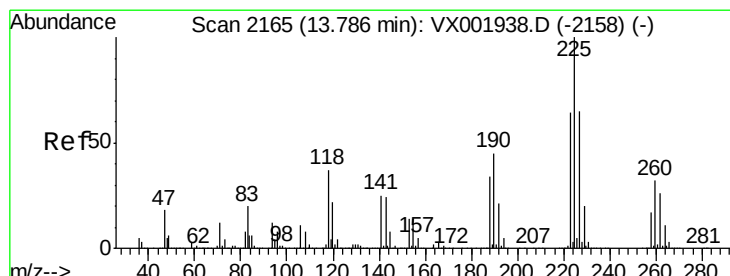
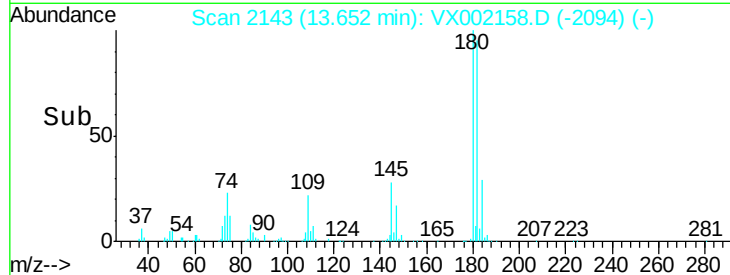
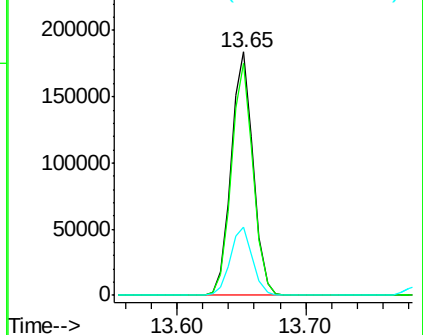
#93
 1,2,4-Trichlorobenzene
 Concen: 46.39 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 219177
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.7 143.1
 145 28.2 14.4 43.0

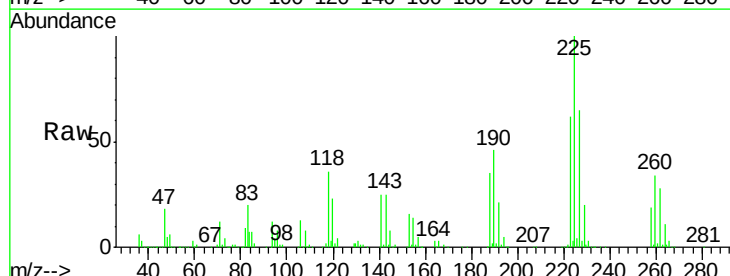


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

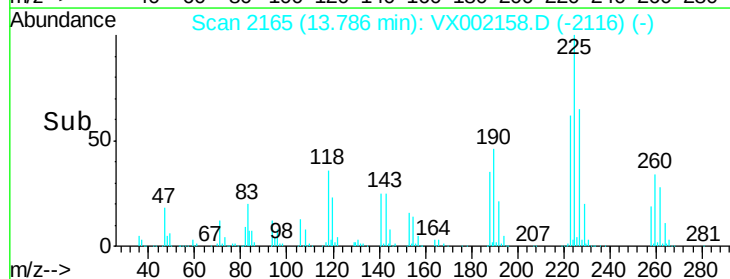
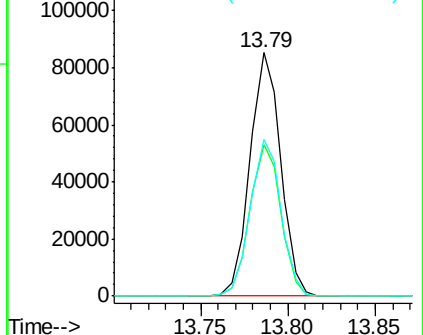


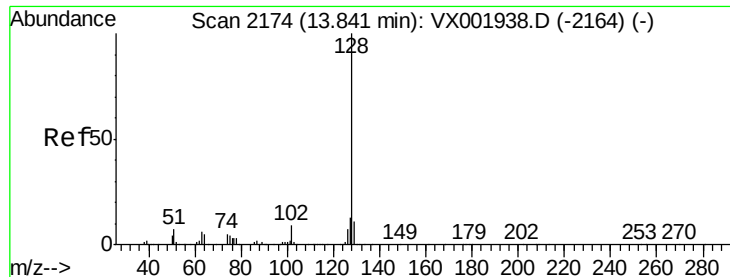
#94
 Hexachlorobutadiene
 Concen: 40.94 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion:225 Resp: 104049
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.5
 227 64.4 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.76 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

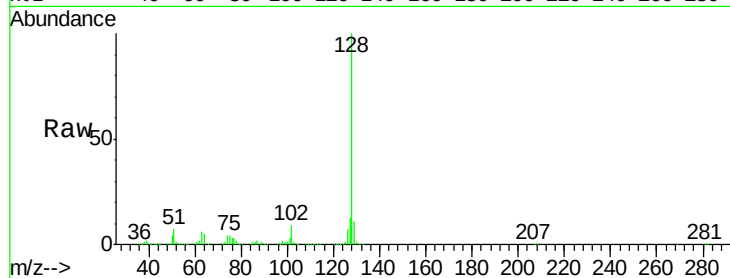
Tgt Ion:128 Resp: 738914

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

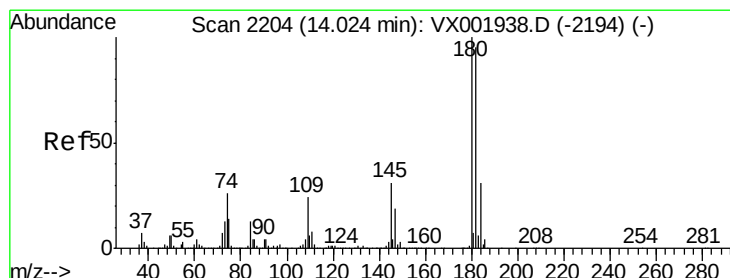
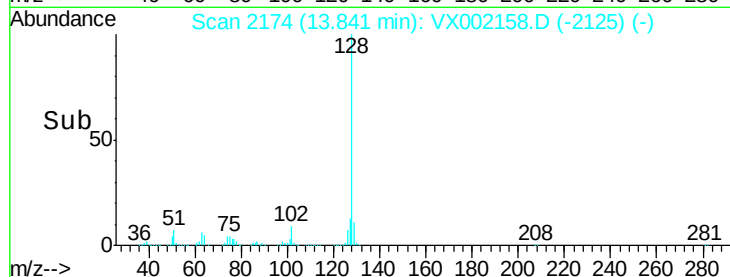
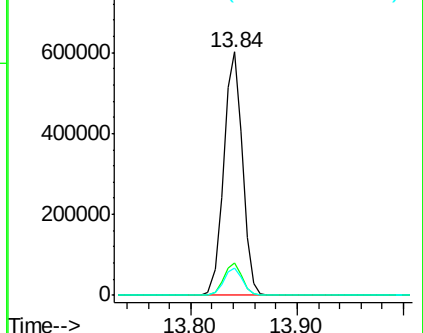
129 11.1 8.8 13.2



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: 46.93 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

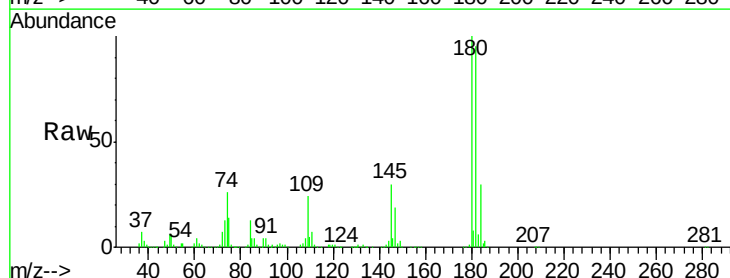
Tgt Ion:180 Resp: 229445

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.6

145 29.7 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

