

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003302.D
 Acq On : 10 Jul 2018 23:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 11 04:55:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	295307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183289	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	5.51	113	152700	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	8.72	98	568768	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.14	95	210101	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177549	50.75	ug/l	97
3) Chloromethane	1.32	50	152754	48.02	ug/l	99
4) Vinyl Chloride	1.40	62	158125	48.43	ug/l	99
5) Bromomethane	1.64	94	51506	53.57	ug/l	97
6) Chloroethane	1.72	64	90845	50.22	ug/l	100
7) Trichlorofluoromethane	1.92	101	240152	49.48	ug/l	98
8) Diethyl Ether	2.19	74	84189	47.99	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	136006	47.86	ug/l	96
10) Methyl Iodide	2.51	142	143257	46.15	ug/l	97
11) Tert butyl alcohol	3.09	59	182879	278.52	ug/l	100
12) 1,1-Dichloroethene	2.37	96	122374	47.32	ug/l	91
13) Acrolein	2.30	56	97158	183.62	ug/l	99
14) Allyl chloride	2.73	41	233018	48.64	ug/l	94
15) Acrylonitrile	3.15	53	382191	260.67	ug/l	99
16) Acetone	2.45	43	345793	268.93	ug/l	96
17) Carbon Disulfide	2.57	76	330032	45.92	ug/l	99
18) Methyl Acetate	2.78	43	209330	57.71	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	428581	49.61	ug/l	100
20) Methylene Chloride	2.86	84	136788	51.94	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	134424	48.76	ug/l	95
22) Diisopropyl ether	3.88	45	443363	45.49	ug/l	98
23) Vinyl Acetate	3.83	43	1933062	233.63	ug/l	98
24) 1,1-Dichloroethane	3.70	63	252239	49.73	ug/l	98
25) 2-Butanone	4.72	43	611965	268.97	ug/l	96
26) 2,2-Dichloropropane	4.59	77	147122	33.16	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	162559	47.98	ug/l	97
28) Bromochloromethane	5.03	49	128343	50.22	ug/l	89
29) Tetrahydrofuran	5.17	42	385942	261.34	ug/l	96
30) Chloroform	5.22	83	279595	50.11	ug/l	96
31) Cyclohexane	5.57	56	233380	49.13	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	246598	50.10	ug/l	98
36) 1,1-Dichloropropene	5.80	75	200769	48.03	ug/l	98
37) Ethyl Acetate	4.87	43	228087	49.77	ug/l	99
38) Carbon Tetrachloride	5.78	117	222111	48.57	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	232777	47.27	ug/l	98
40) Benzene	6.15	78	611126	49.33	ug/l	99
41) Methacrylonitrile	5.07	41	129564	51.64	ug/l	97
42) 1,2-Dichloroethane	6.20	62	223417	48.27	ug/l	98
43) Isopropyl Acetate	6.48	43	364782	50.69	ug/l	98
44) Trichloroethene	7.21	130	179536	49.01	ug/l	99
45) 1,2-Dichloropropane	7.52	63	155089	48.15	ug/l	99
46) Dibromomethane	7.67	93	109245	49.76	ug/l	94
47) Bromodichloromethane	7.90	83	203089	50.14	ug/l	98
48) Methyl methacrylate	7.79	41	189316	51.29	ug/l	92
49) 1,4-Dioxane	7.76	88	81857	1060.68	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1172844	261.78	ug/l	96
52) Toluene	8.79	92	396585	50.64	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	226167	47.45	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	210512	48.53	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	164830	50.74	ug/l	98
56) Ethyl methacrylate	9.19	69	234074	52.60	ug/l	91
57) 1,3-Dichloropropane	9.38	76	263129	50.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	577533	269.06	ug/l	95
59) 2-Hexanone	9.50	43	932539	274.03	ug/l	94
60) Dibromochloromethane	9.59	129	173641	51.19	ug/l	100
61) 1,2-Dibromoethane	9.68	107	175003	51.40	ug/l	100
64) Tetrachloroethene	9.34	164	217945	51.47	ug/l	98
65) Chlorobenzene	10.14	112	454731	47.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172735	50.30	ug/l	99
67) Ethyl Benzene	10.26	91	759365	49.33	ug/l	100
68) m/p-Xylenes	10.36	106	599721	100.15	ug/l	97
69) o-Xylene	10.70	106	290306	50.04	ug/l	96
70) Styrene	10.71	104	479754	51.00	ug/l	98
71) Bromoform	10.86	173	141627	50.12	ug/l #	98
73) Isopropylbenzene	11.02	105	774555	48.30	ug/l	100
74) N-amyl acetate	6.48	43	364782	47.69	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	227089	45.66	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	262567	59.82	ug/l	80
77) Bromobenzene	11.26	156	222474	48.05	ug/l	94
78) n-propylbenzene	11.37	91	859290	48.20	ug/l	98
79) 2-Chlorotoluene	11.43	91	513311	47.26	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	655079	49.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	57671	42.94	ug/l	96
82) 4-Chlorotoluene	11.51	91	605568	47.75	ug/l	97
83) tert-Butylbenzene	11.77	119	641572	48.10	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	682685	49.93	ug/l	98
85) sec-Butylbenzene	11.95	105	778455	49.38	ug/l	98
86) p-Isopropyltoluene	12.07	119	710560	49.47	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	404812	47.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	409698	47.65	ug/l	98
89) n-Butylbenzene	12.39	91	581485	48.46	ug/l	99
90) Hexachloroethane	12.60	117	102354	46.68	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	409855	48.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53454	50.09	ug/l	89

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Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

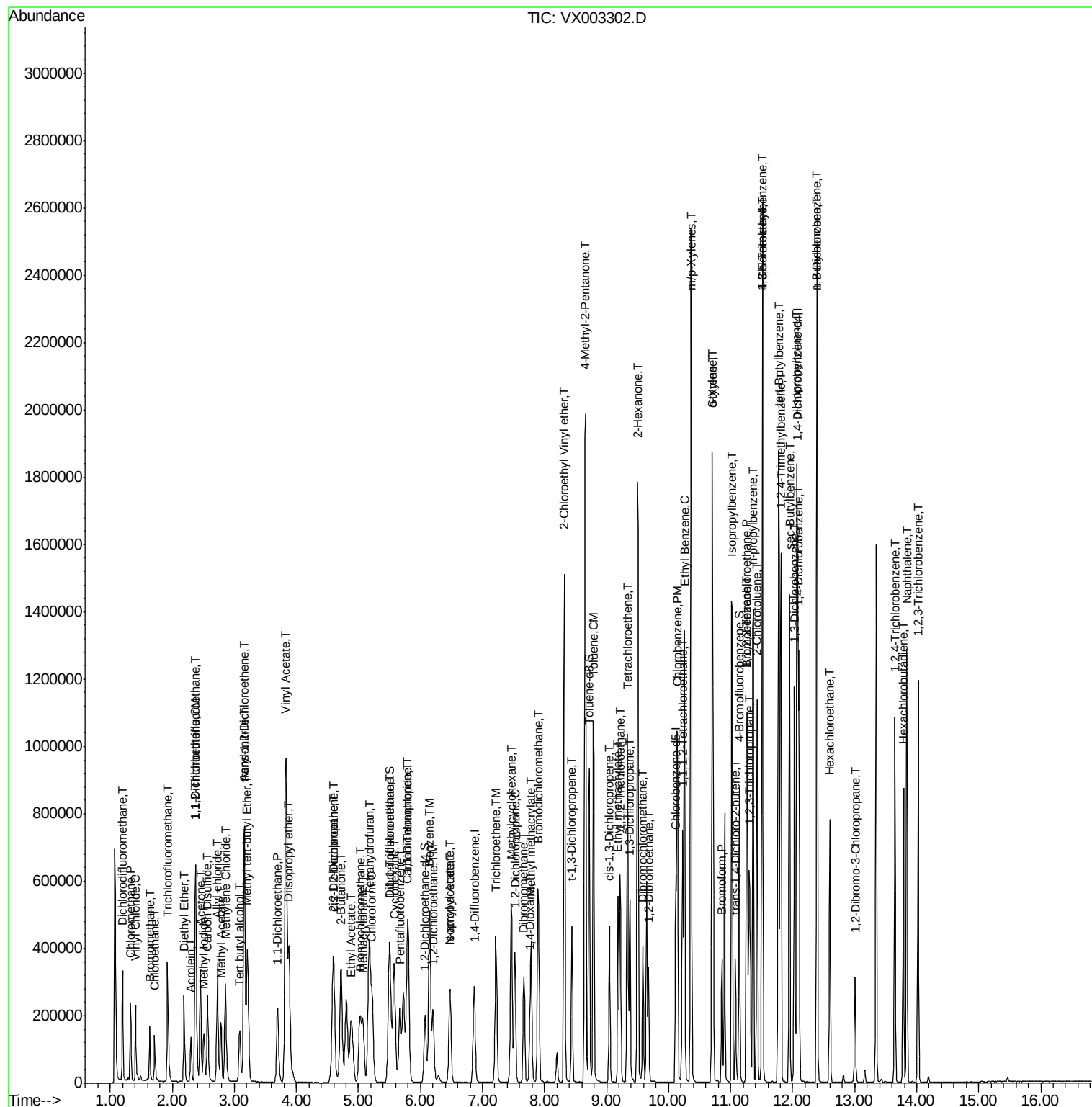
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	295522	47.61	ug/l	100
94) Hexachlorobutadiene	13.79	225	145273	47.02	ug/l	99
95) Naphthalene	13.84	128	847471	52.19	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305810	49.40	ug/l	100

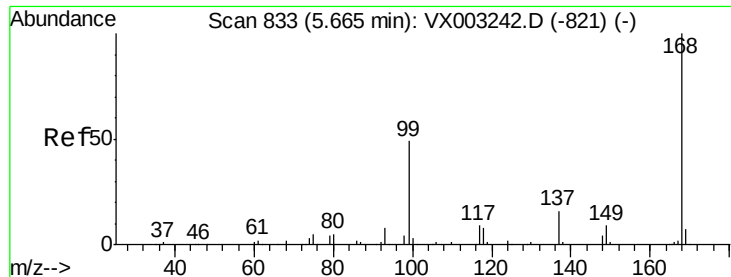
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

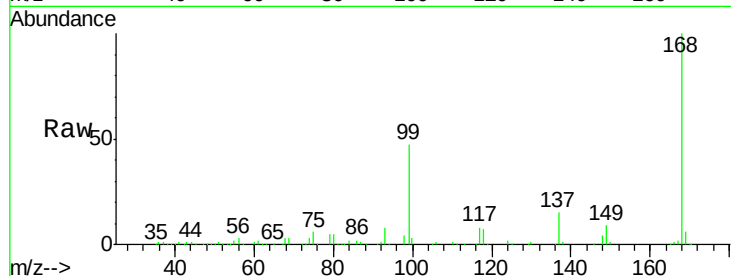
VSTDCCC050

Tot Ion:168 Resp: 230134

Ion Ratio Lower Upper

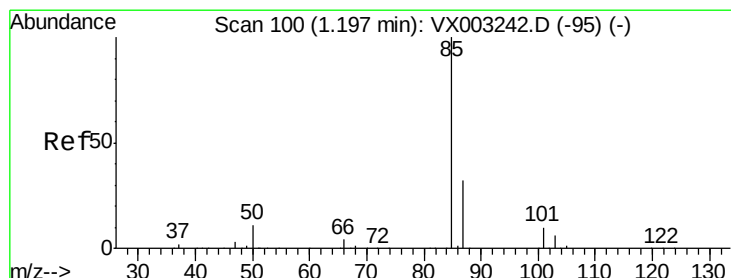
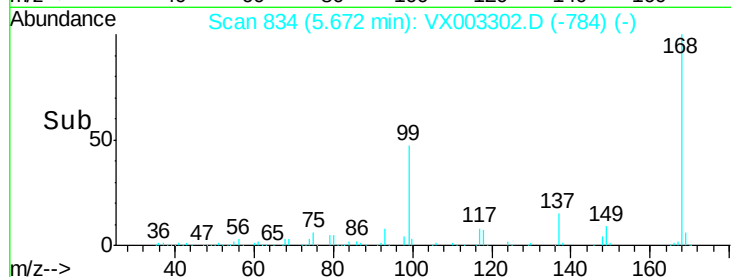
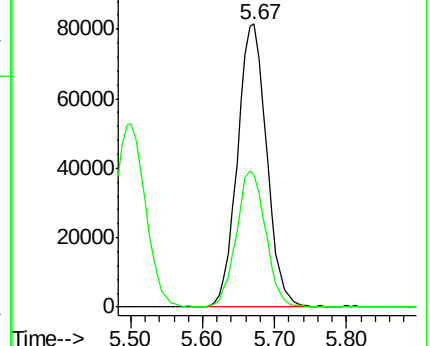
168 100

99 46.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.75 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003302.D

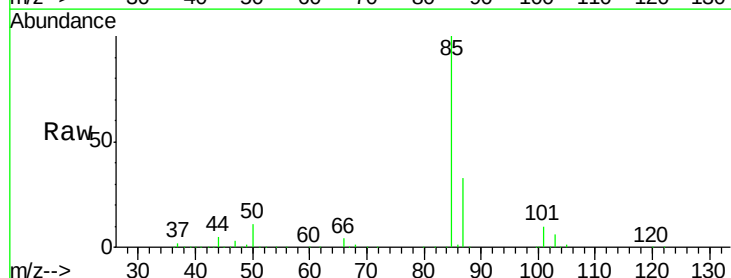
Acq: 10 Jul 2018 23:43

Tgt Ion: 85 Resp: 177549

Ion Ratio Lower Upper

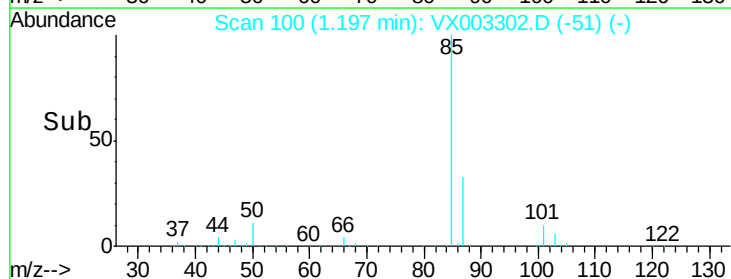
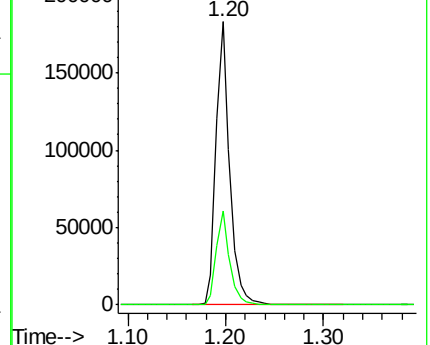
85 100

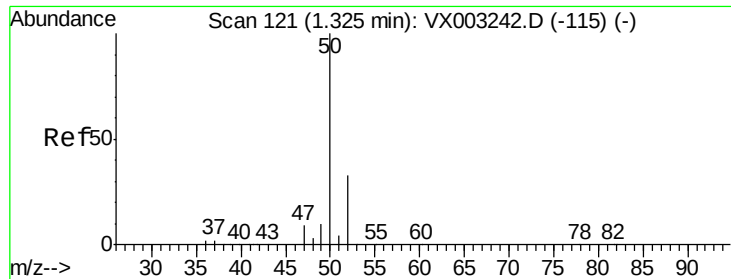
87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

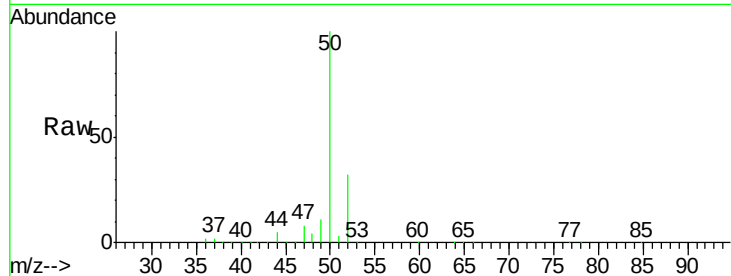
VSTDCCC050

Tot Ion: 50 Resp: 152754

Ion Ratio Lower Upper

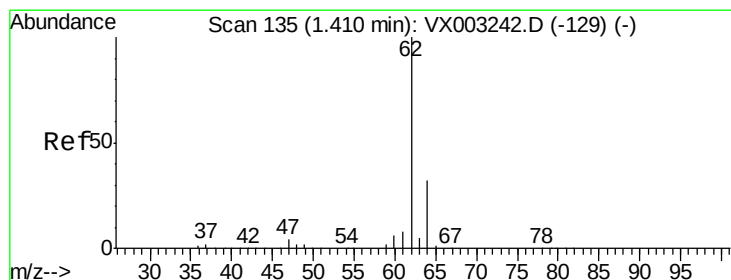
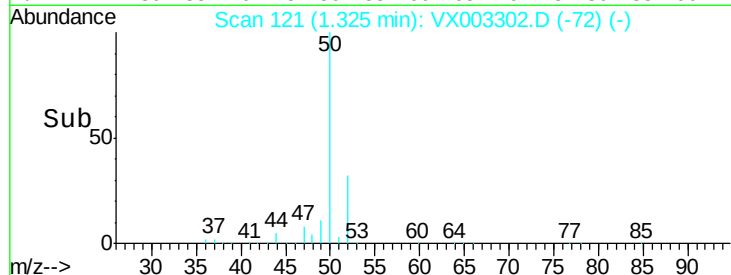
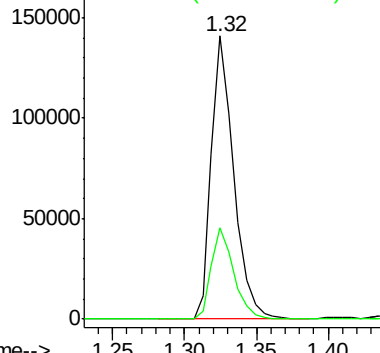
50 100

52 32.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.43 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003302.D

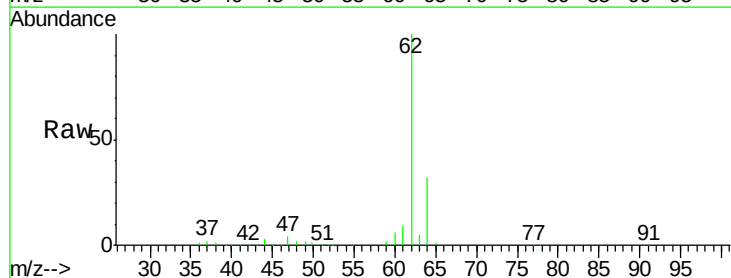
Acq: 10 Jul 2018 23:43

Tgt Ion: 62 Resp: 158125

Ion Ratio Lower Upper

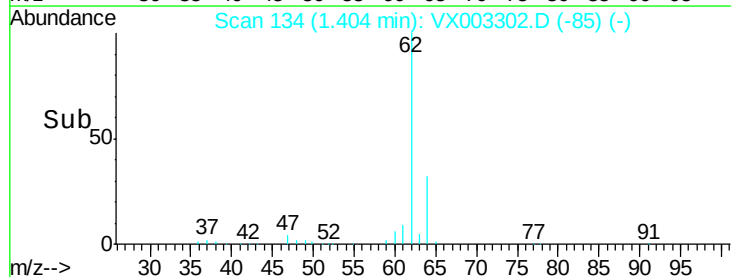
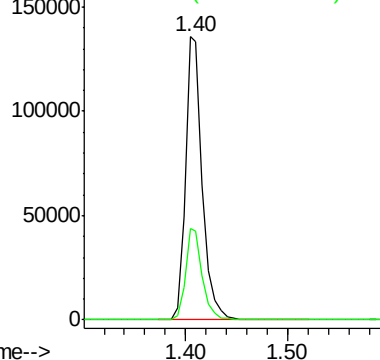
62 100

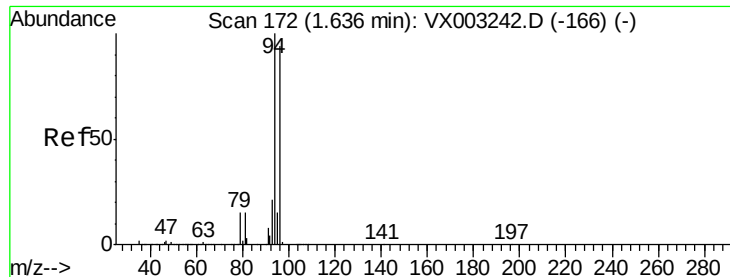
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.57 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

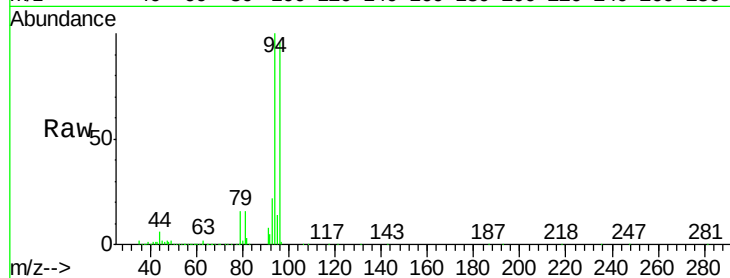
VSTDCCC050

Tot Ion: 94 Resp: 51506

Ion Ratio Lower Upper

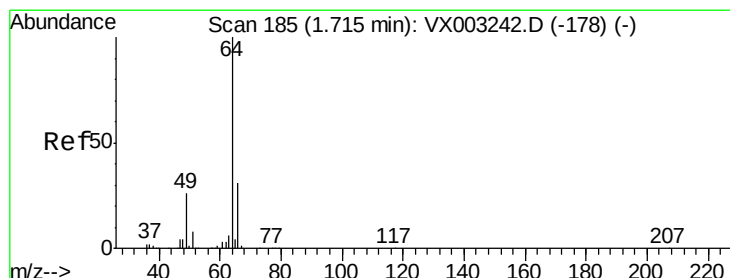
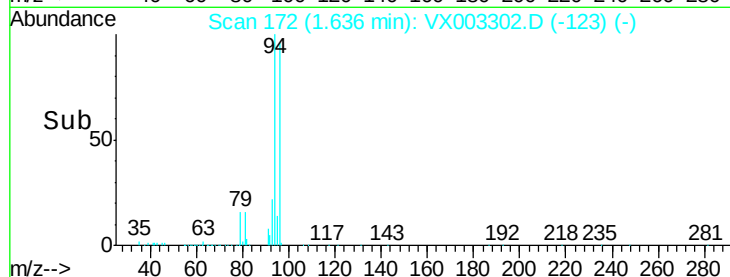
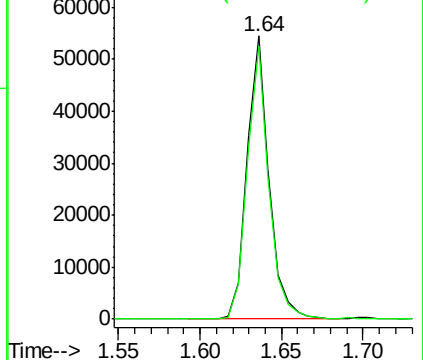
94 100

96 96.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.22 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003302.D

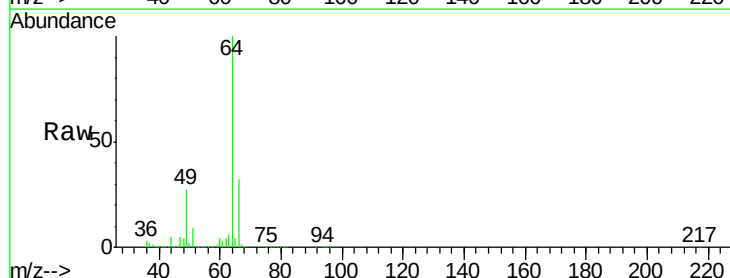
Acq: 10 Jul 2018 23:43

Tgt Ion: 64 Resp: 90845

Ion Ratio Lower Upper

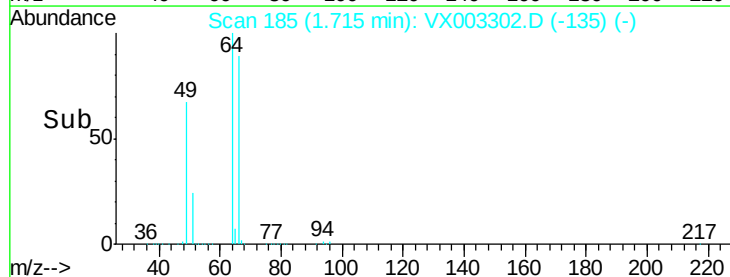
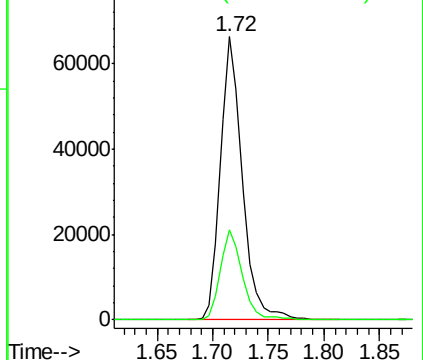
64 100

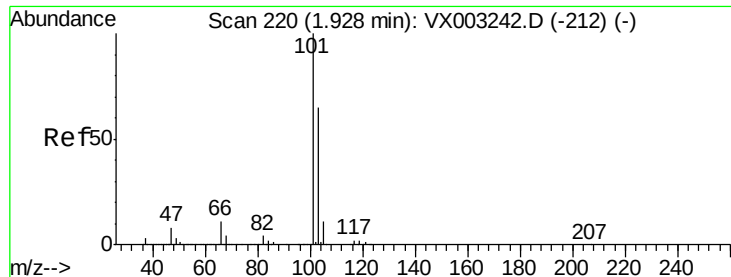
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



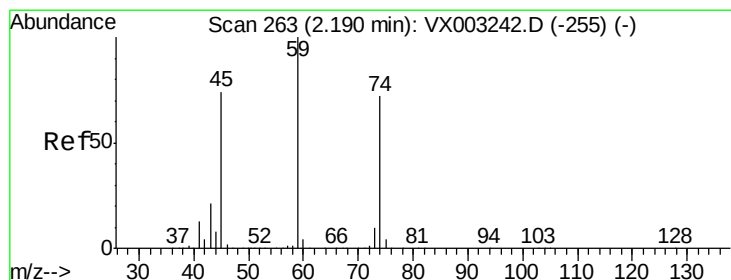
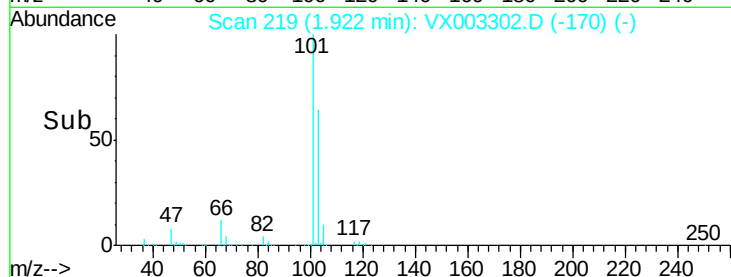
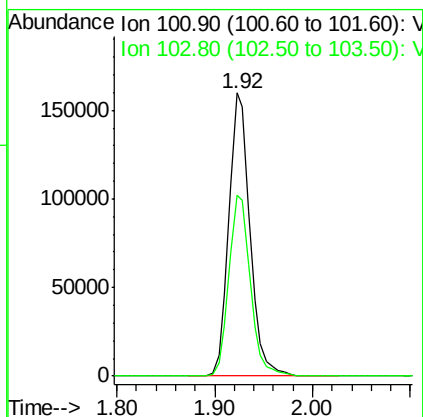
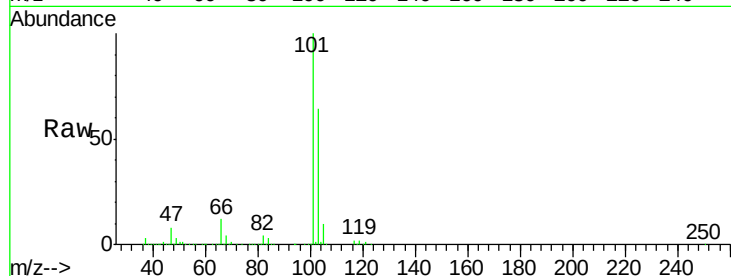


#7

Trichlorofluoromethane
Concen: 49.48 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Instrument :
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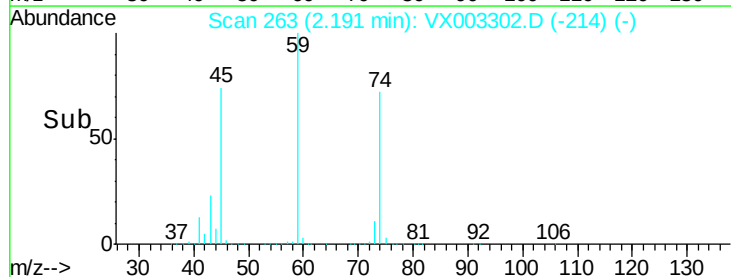
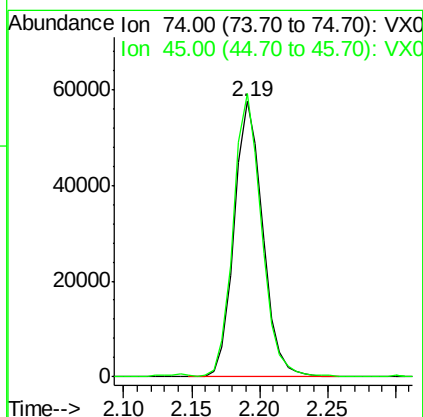
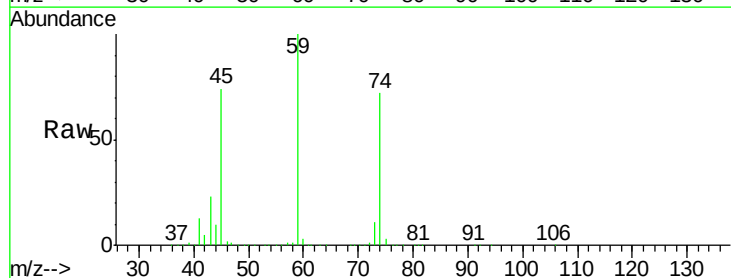
Tot Ion:101 Resp: 240152
Ion Ratio Lower Upper
101 100
103 64.0 52.8 79.2

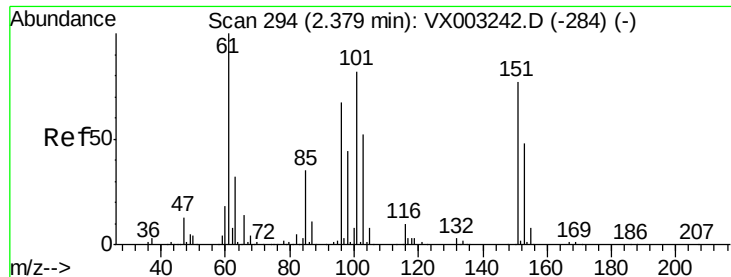


#8

Diethyl Ether
Concen: 47.99 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 74 Resp: 84189
Ion Ratio Lower Upper
74 100
45 101.1 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

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VSTDCCC050

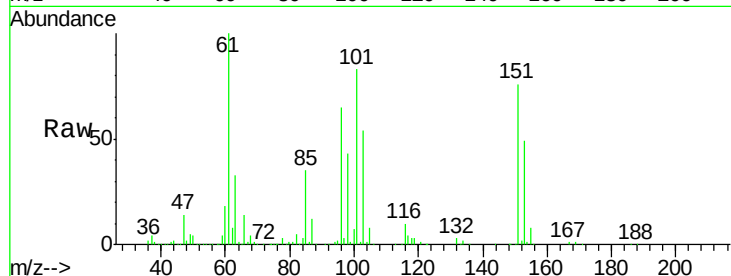
Tot Ion:101 Resp: 136006

Ion Ratio Lower Upper

101 100

85 43.2 36.0 54.0

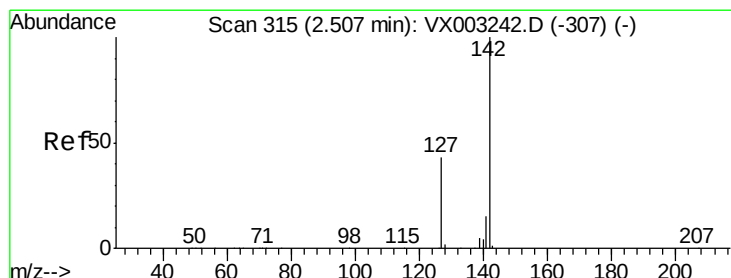
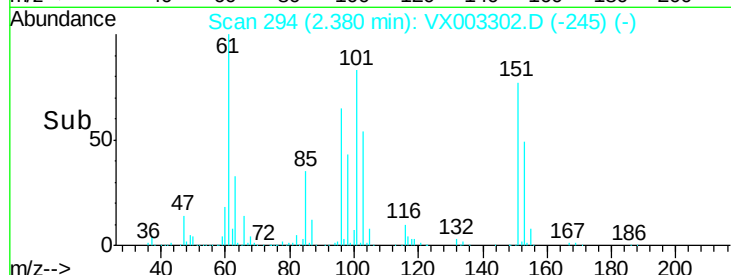
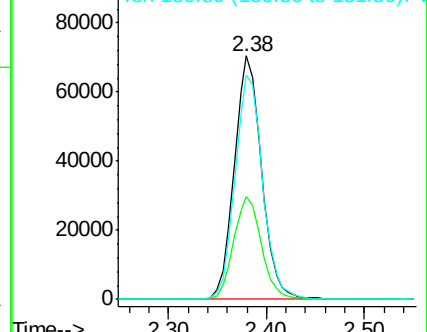
151 93.6 70.9 106.3



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: 46.15 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

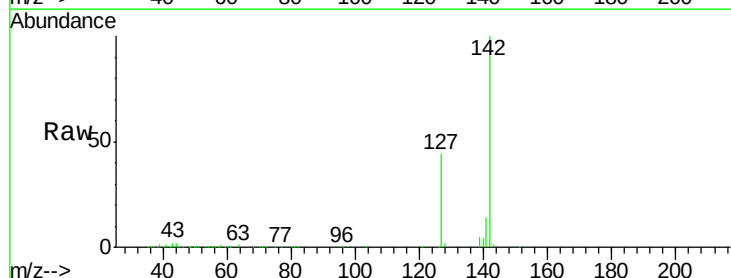
Tgt Ion:142 Resp: 143257

Ion Ratio Lower Upper

142 100

127 43.6 36.6 55.0

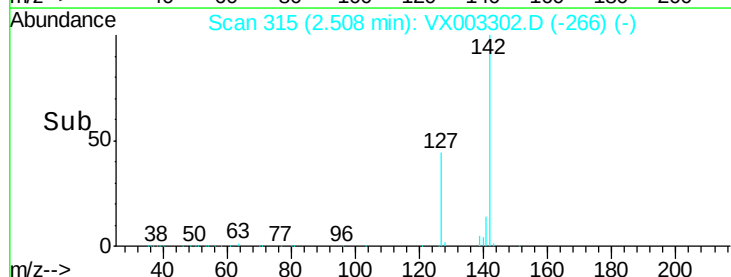
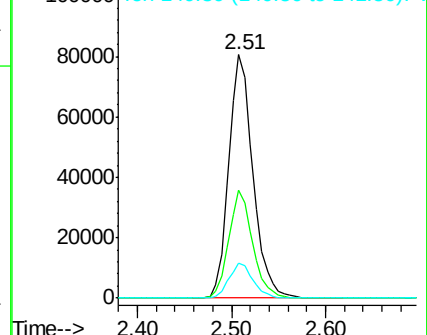
141 14.3 11.3 16.9

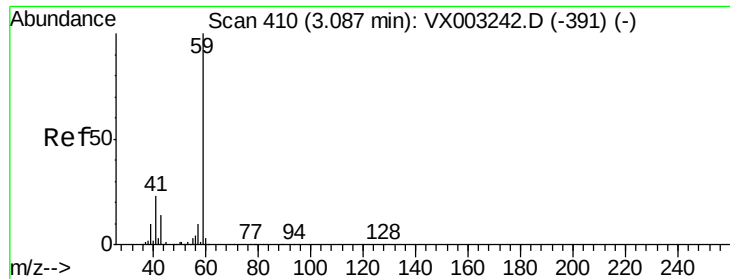


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



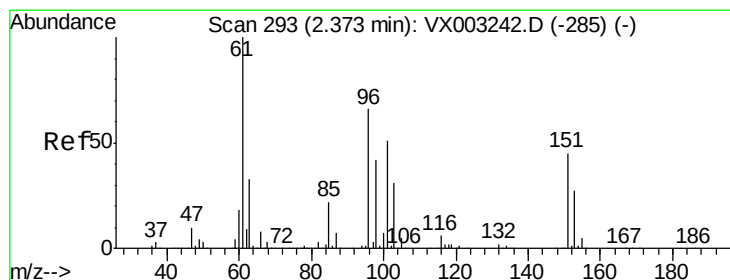
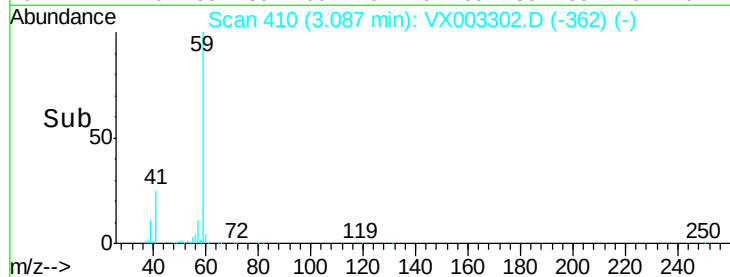
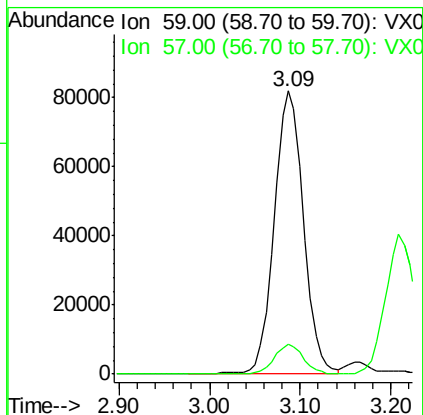
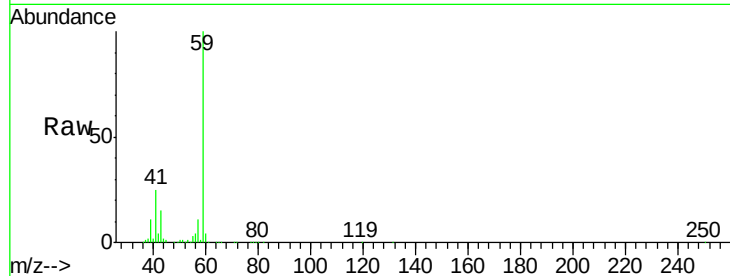


#11

Tert butyl alcohol
 Concen: 278.52 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

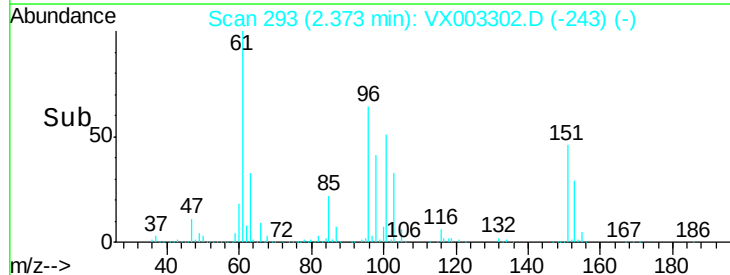
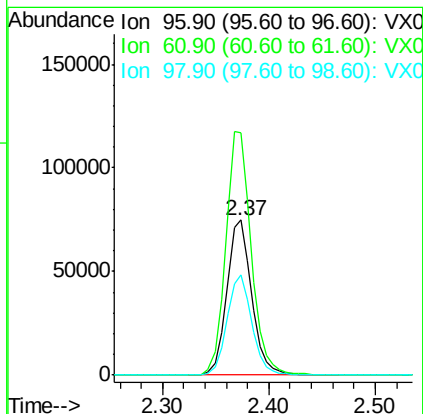
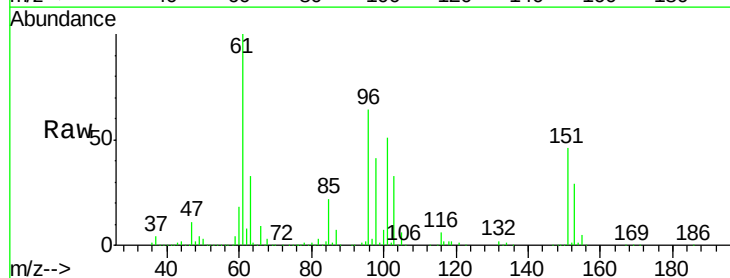
Tot Ion: 59 Resp: 182879
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

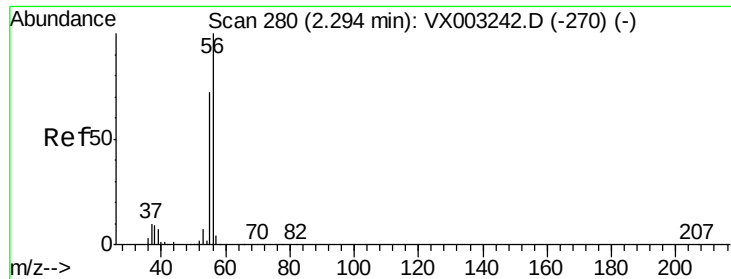


#12

1,1-Dichloroethene
 Concen: 47.32 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 96 Resp: 122374
 Ion Ratio Lower Upper
 96 100
 61 156.4 137.9 206.9
 98 64.8 51.6 77.4





#13

Acrolein

Concen: 183.62 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

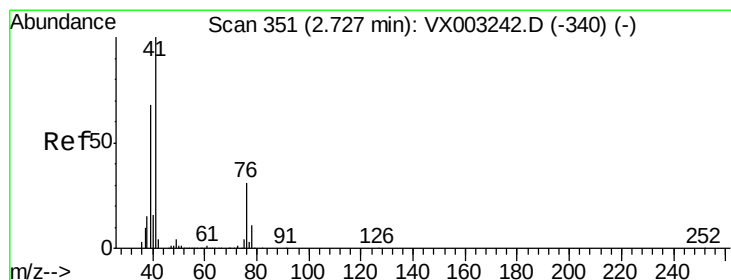
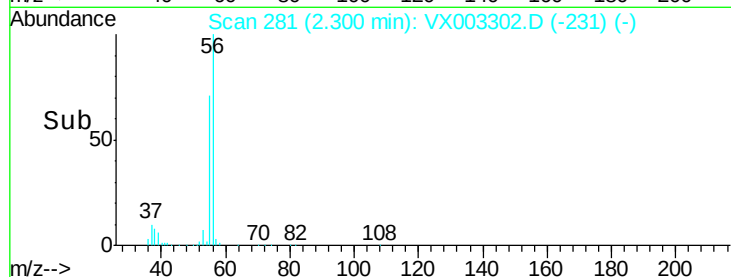
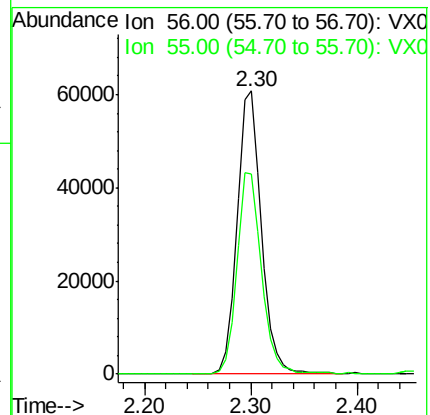
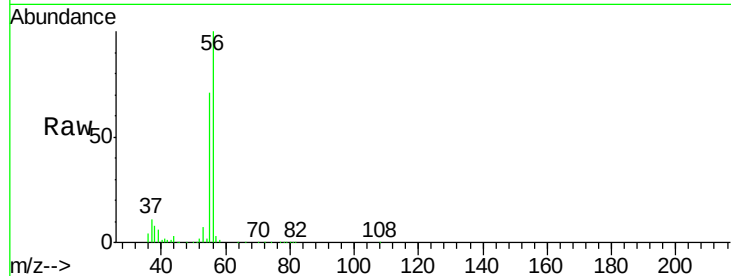
VSTDCCC050

Tot Ion: 56 Resp: 97158

Ion Ratio Lower Upper

56 100

55 72.0 57.0 85.4



#14

Allyl chloride

Concen: 48.64 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

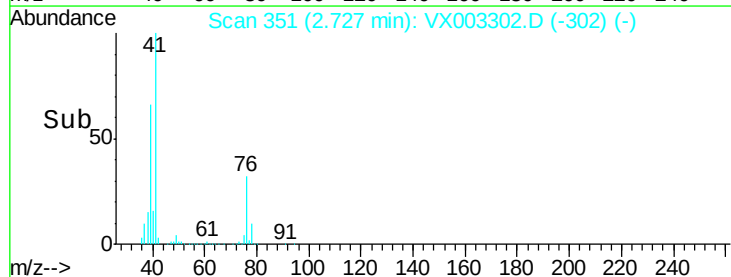
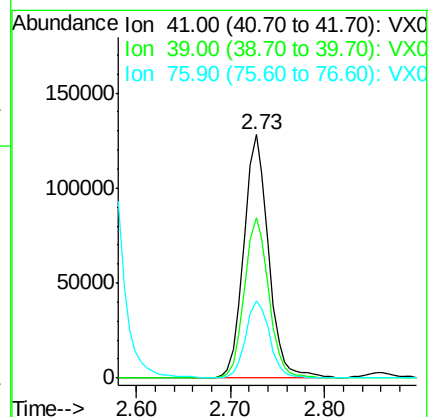
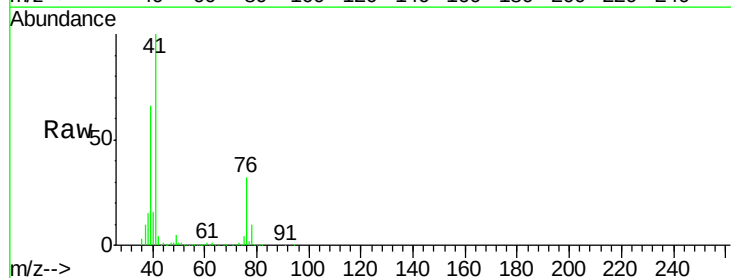
Tgt Ion: 41 Resp: 233018

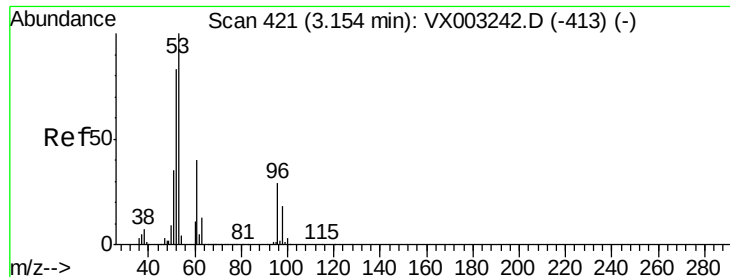
Ion Ratio Lower Upper

41 100

39 64.7 56.8 85.2

76 31.3 23.8 35.8





#15

Acrylonitrile

Concen: 260.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

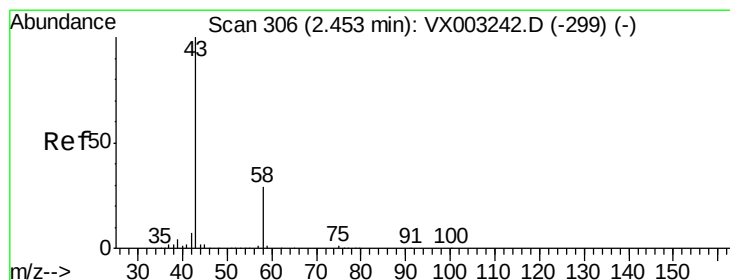
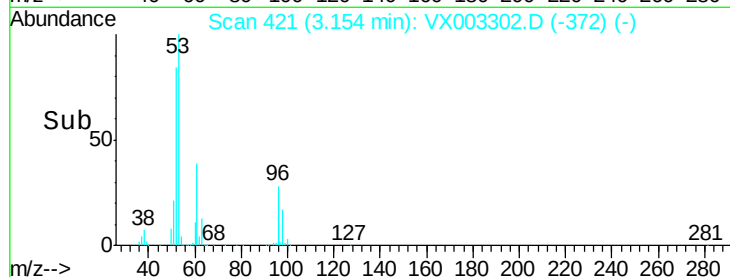
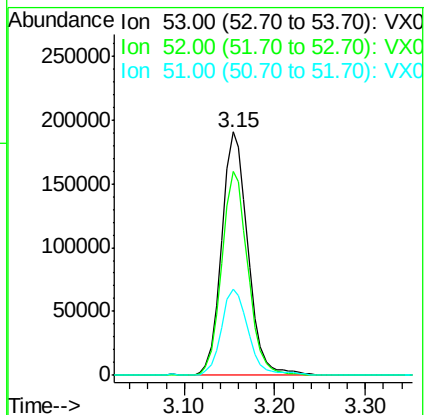
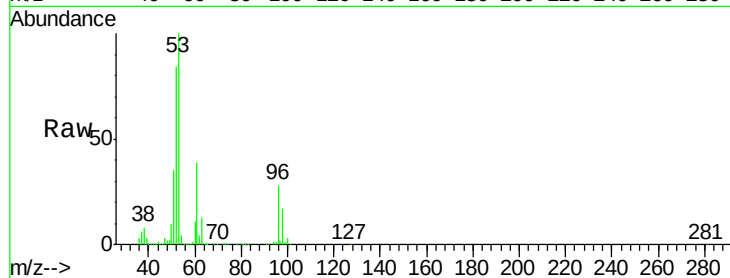
Tot Ion: 53 Resp: 382191

Ion Ratio Lower Upper

53 100

52 83.7 66.7 100.1

51 36.5 29.9 44.9



#16

Acetone

Concen: 268.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003302.D

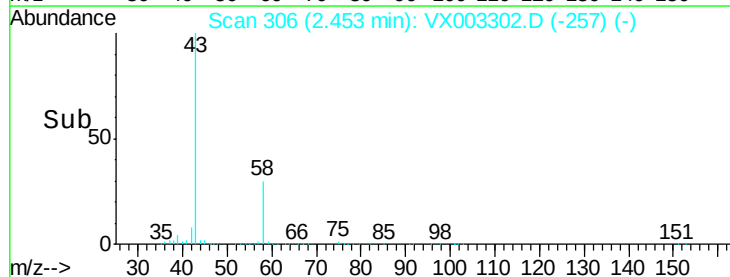
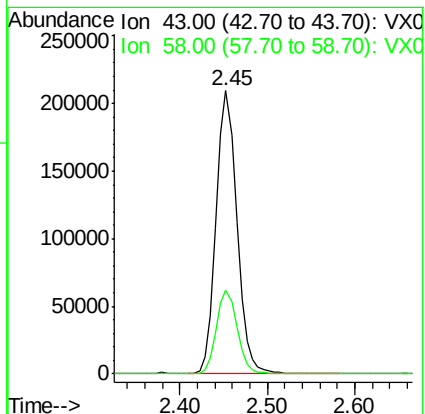
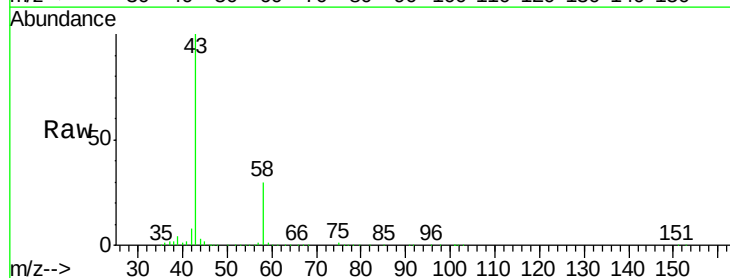
Acq: 10 Jul 2018 23:43

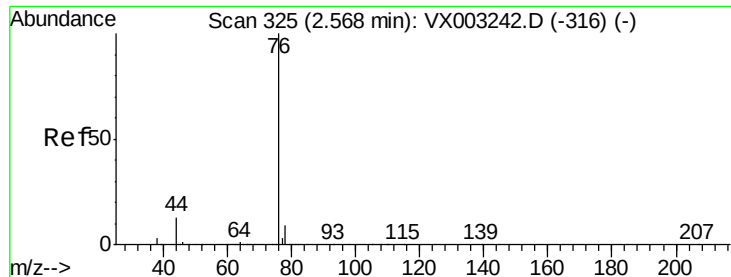
Tgt Ion: 43 Resp: 345793

Ion Ratio Lower Upper

43 100

58 29.6 22.1 33.1





#17

Carbon Disulfide

Concen: 45.92 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

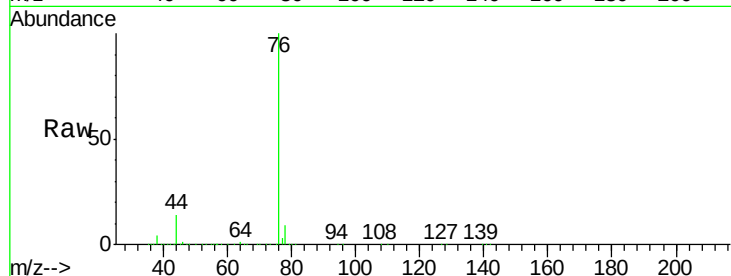
VSTDCCC050

Tot Ion: 76 Resp: 330032

Ion Ratio Lower Upper

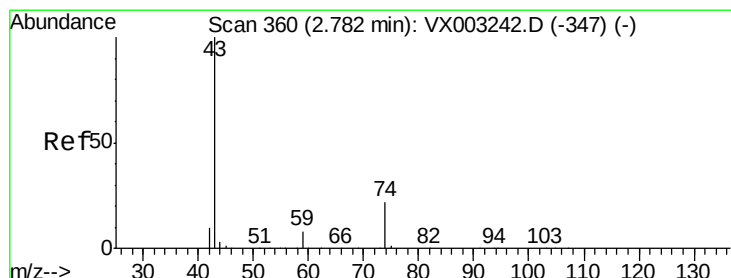
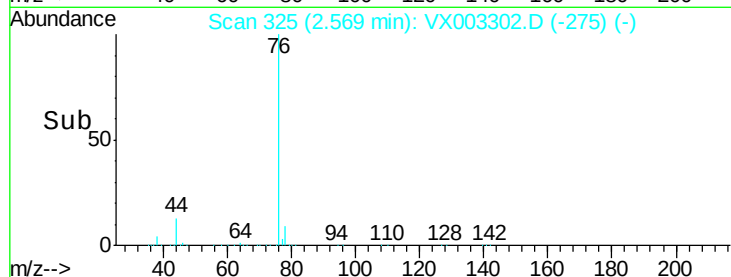
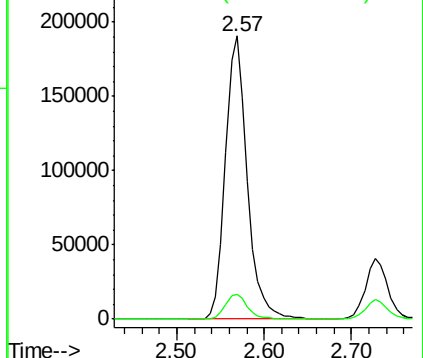
76 100

78 8.9 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 57.71 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003302.D

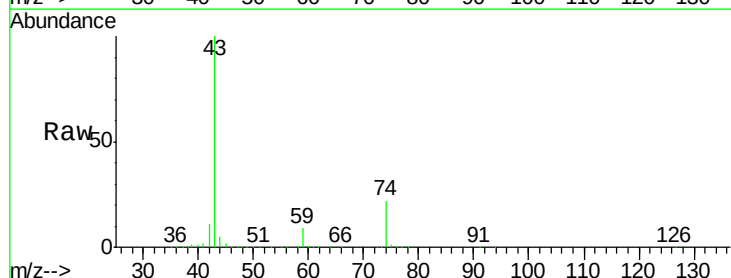
Acq: 10 Jul 2018 23:43

Tgt Ion: 43 Resp: 209330

Ion Ratio Lower Upper

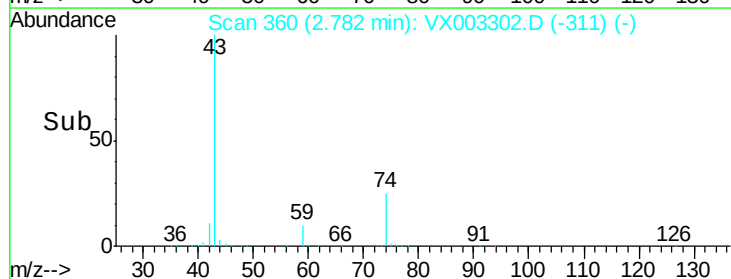
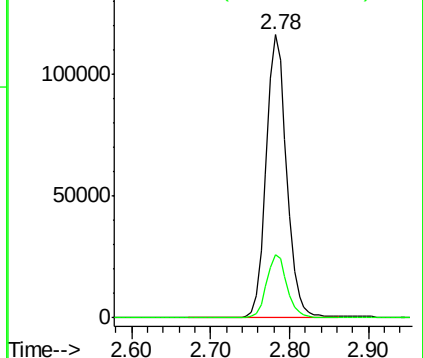
43 100

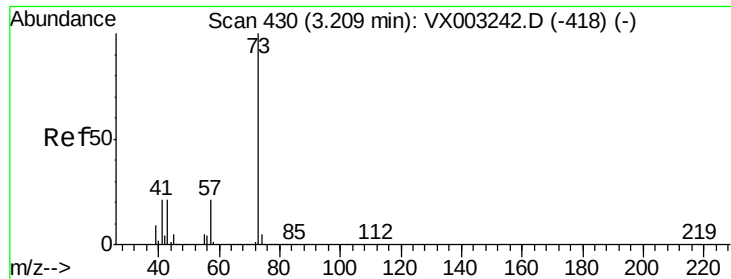
74 22.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

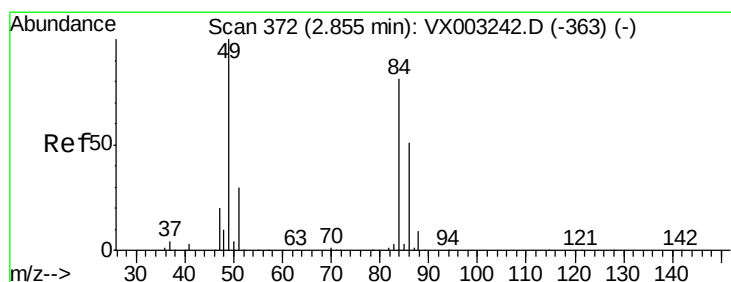
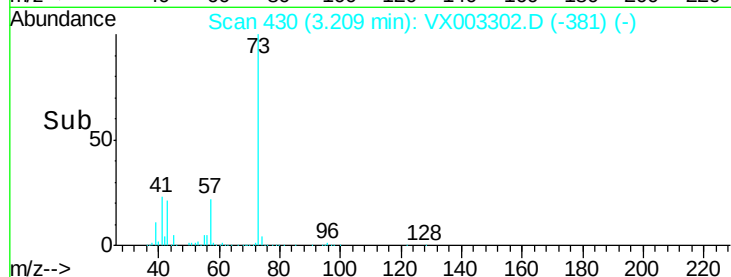
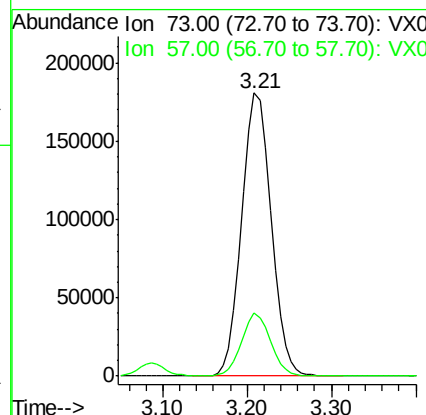
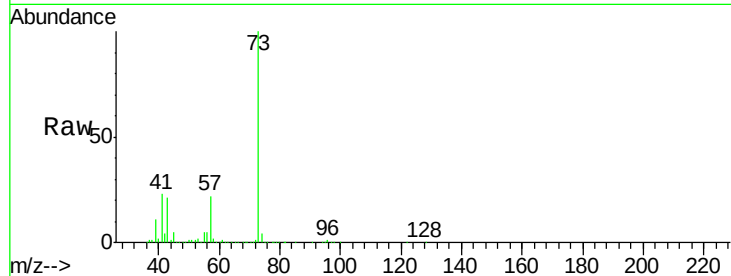




#19
Methyl tert-butyl Ether
Concen: 49.61 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

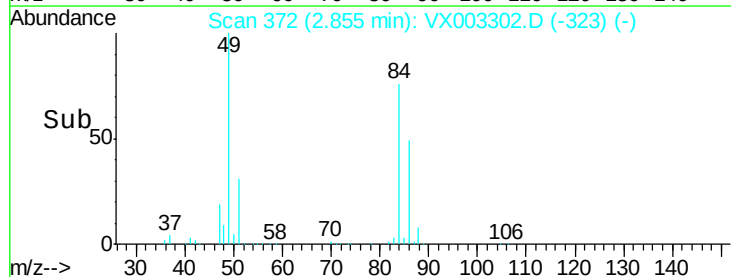
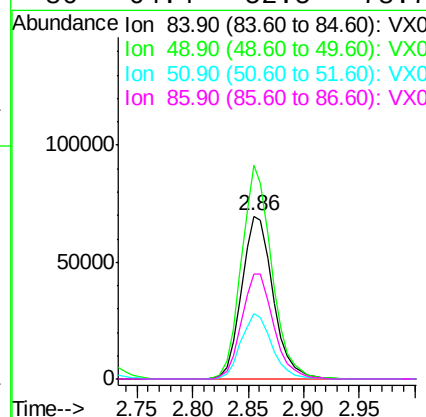
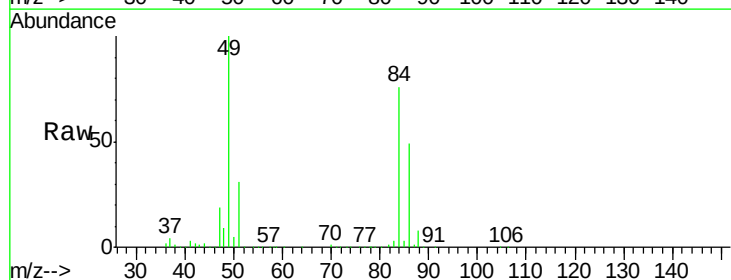
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

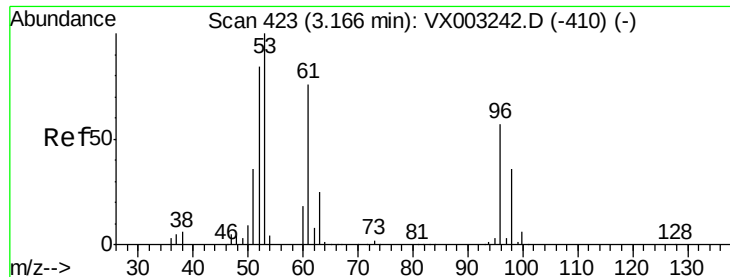
Tot Ion: 73 Resp: 428581
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5



#20
Methylene Chloride
Concen: 51.94 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 84 Resp: 136788
Ion Ratio Lower Upper
84 100
49 131.1 107.8 161.6
51 40.0 32.8 49.2
86 64.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.76 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

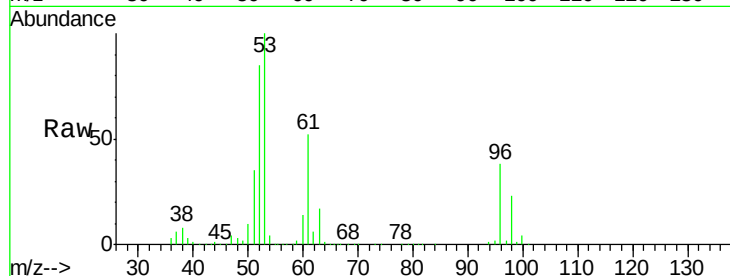
Tot Ion: 96 Resp: 134424

Ion Ratio Lower Upper

96 100

61 138.8 117.0 175.4

98 62.2 52.4 78.6

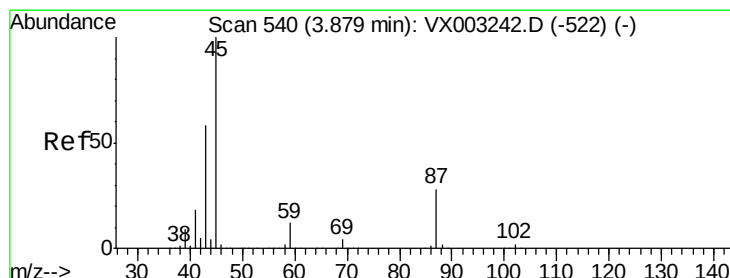
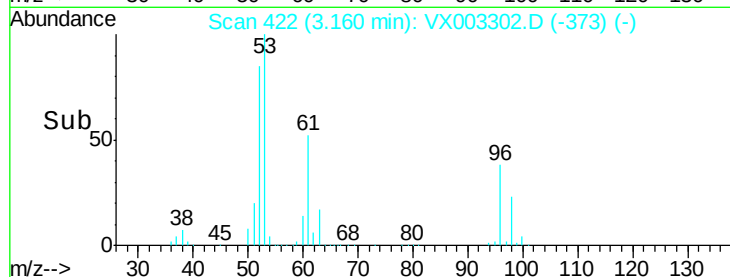
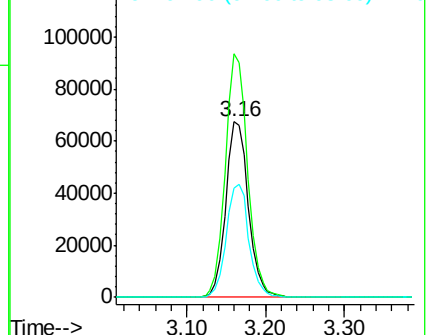


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.49 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Tgt Ion: 45 Resp: 443363

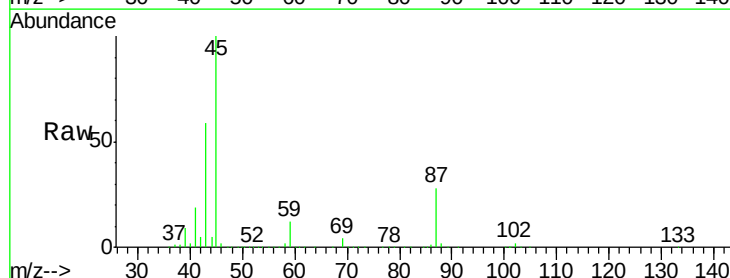
Ion Ratio Lower Upper

45 100

43 58.5 46.8 70.2

87 27.8 20.2 30.4

59 11.7 8.7 13.1



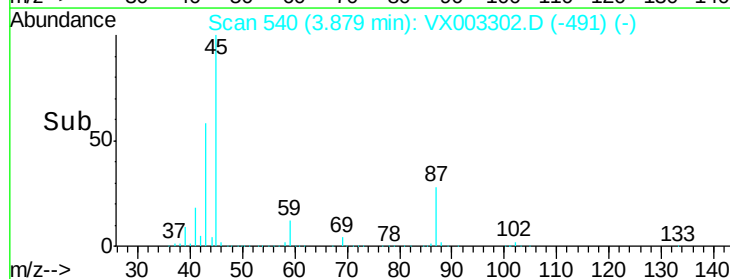
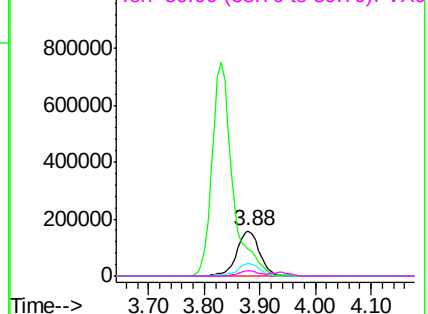
Abundance

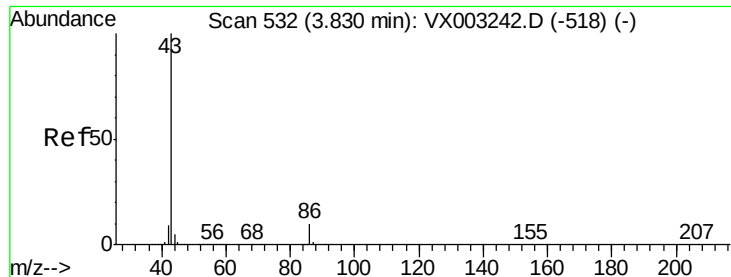
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 233.63 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

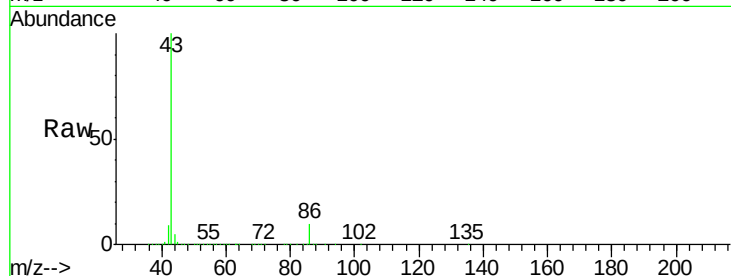
VSTDCCC050

Tot Ion: 43 Resp: 1933062

Ion Ratio Lower Upper

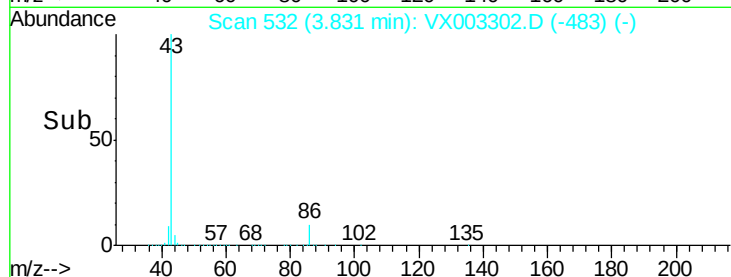
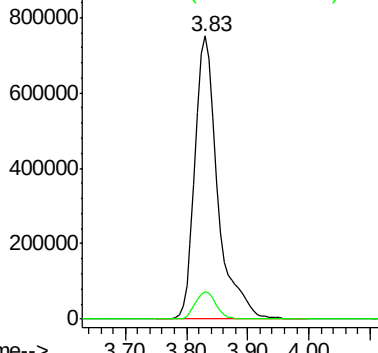
43 100

86 9.9 7.4 11.0

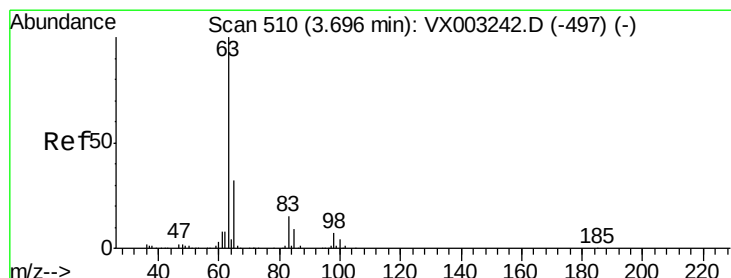


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 49.73 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

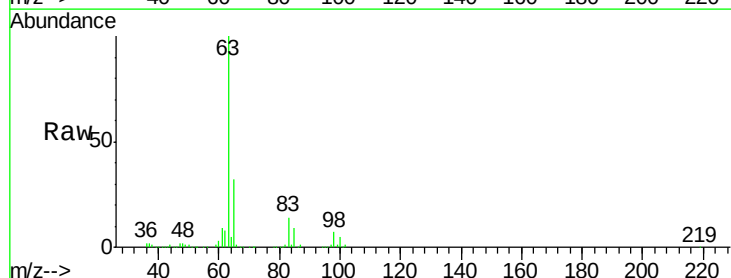
Tgt Ion: 63 Resp: 252239

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

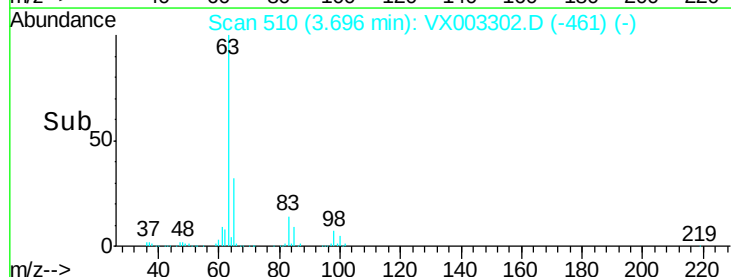
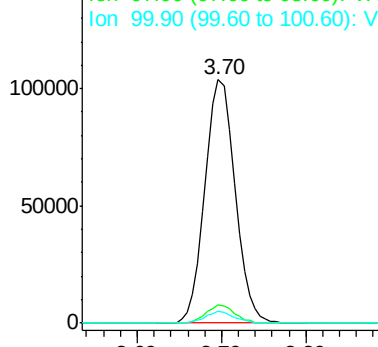
100 4.7 2.0 6.0



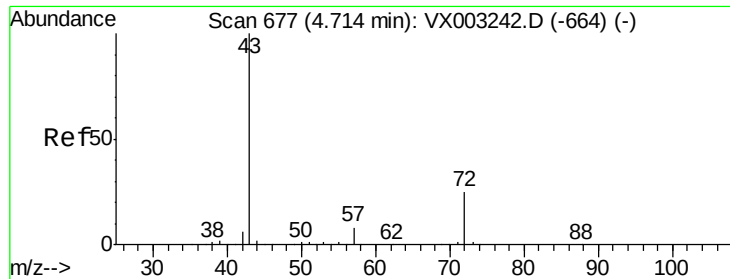
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 268.97 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

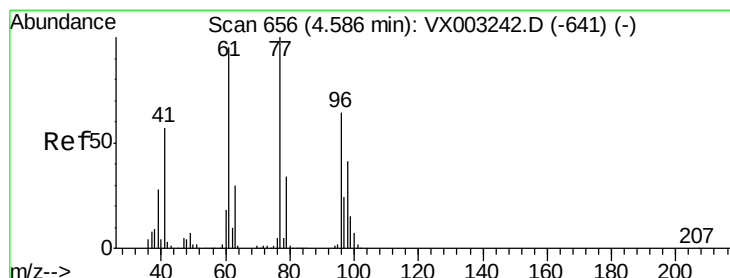
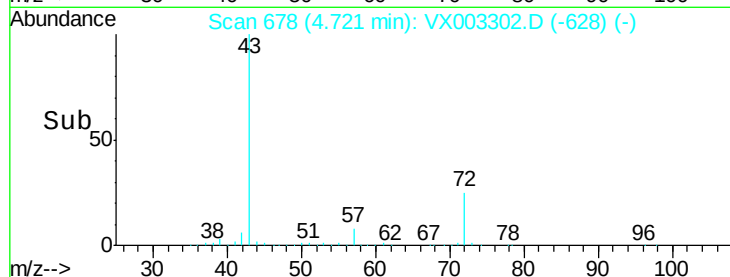
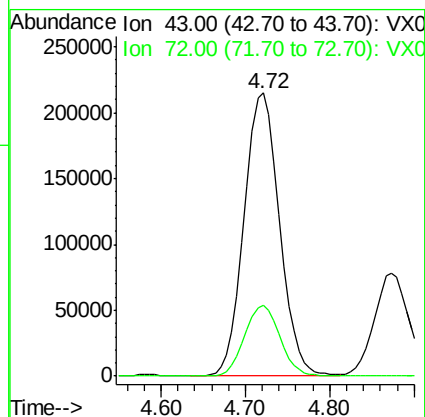
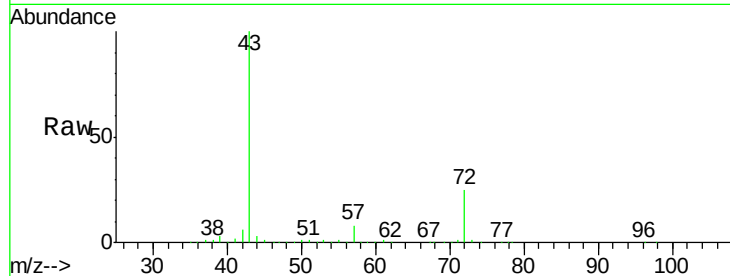
VSTDCCC050

Tot Ion: 43 Resp: 611965

Ion Ratio Lower Upper

43 100

72 24.9 18.5 27.7



#26

2,2-Dichloropropane

Concen: 33.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003302.D

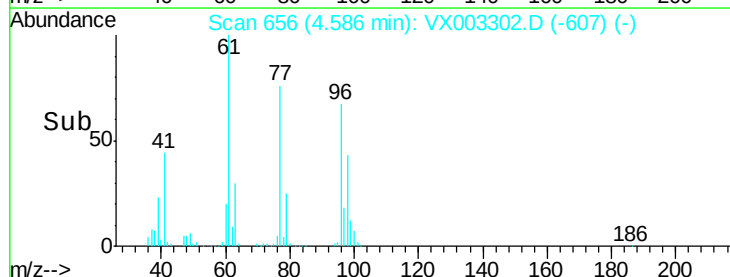
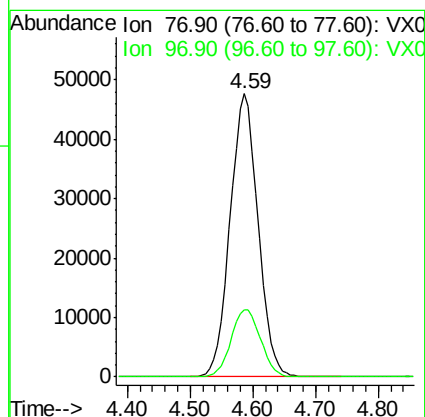
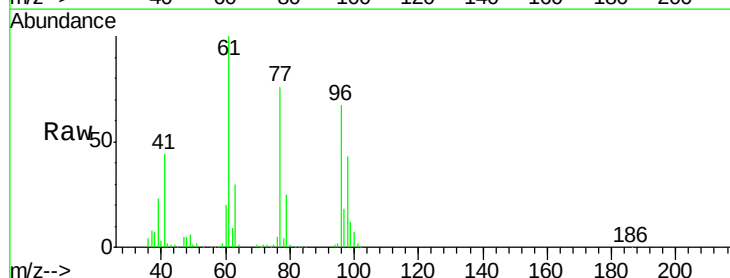
Acq: 10 Jul 2018 23:43

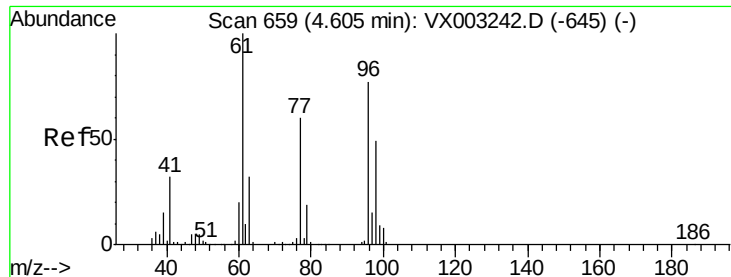
Tgt Ion: 77 Resp: 147122

Ion Ratio Lower Upper

77 100

97 25.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.98 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

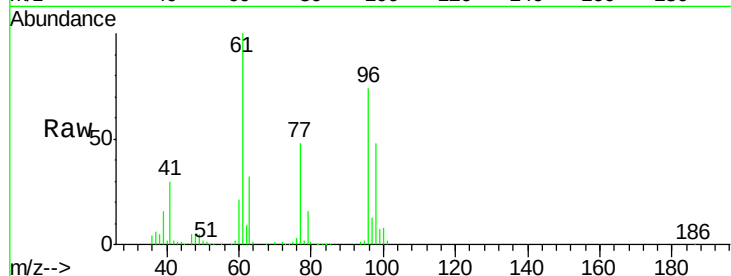
Tot Ion: 96 Resp: 162559

Ion Ratio Lower Upper

96 100

61 160.1 0.0 330.2

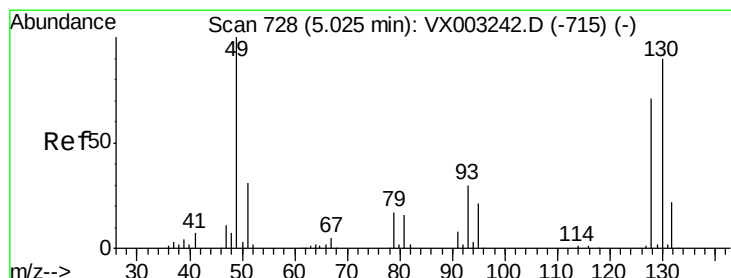
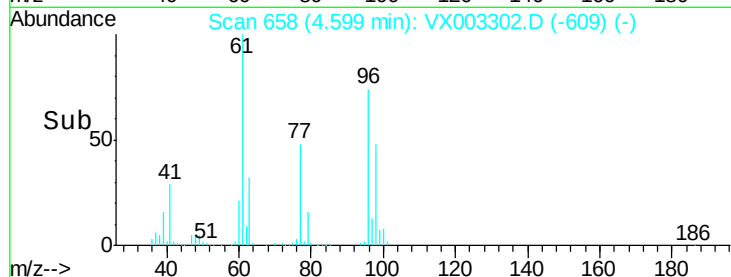
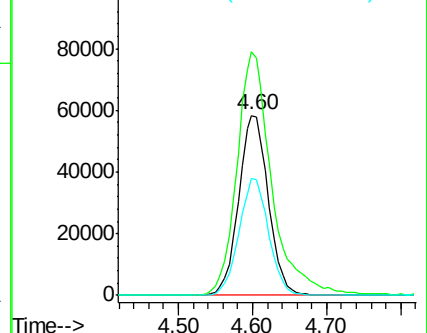
98 65.0 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 50.22 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

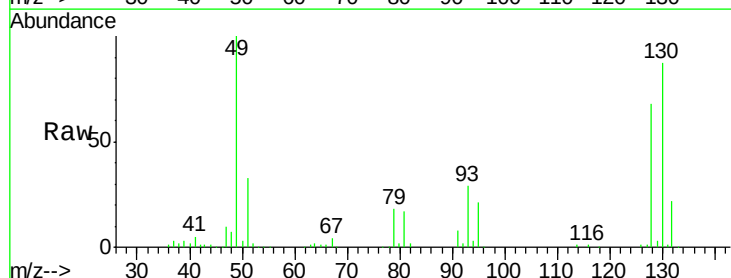
Tgt Ion: 49 Resp: 128343

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

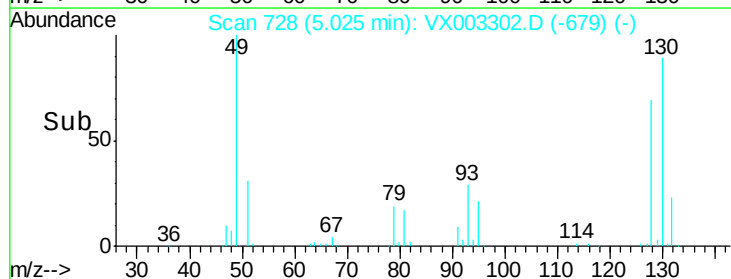
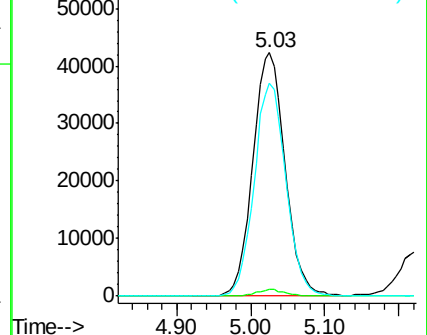
130 86.3 61.2 91.8

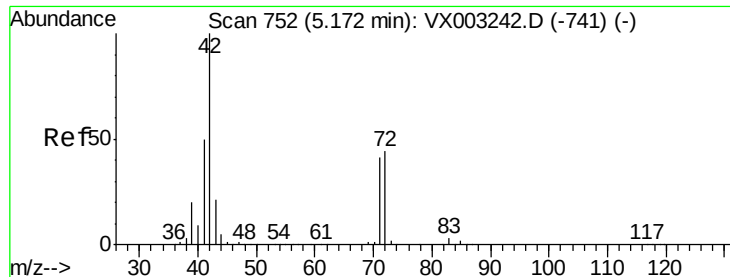


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

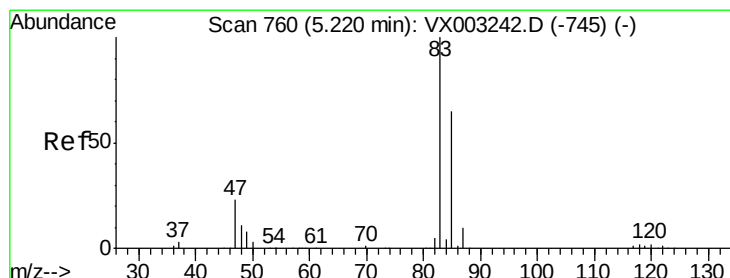
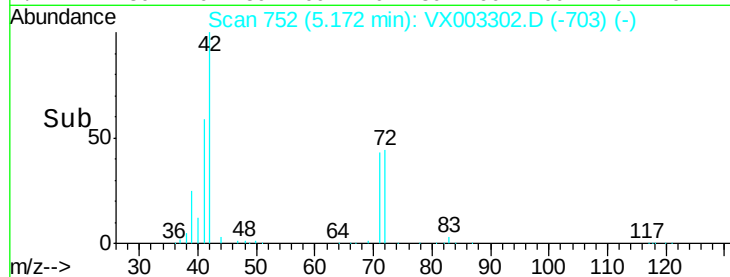
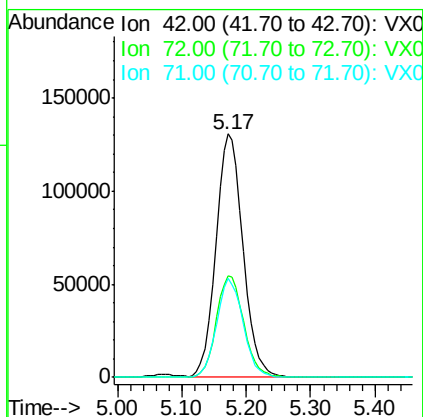
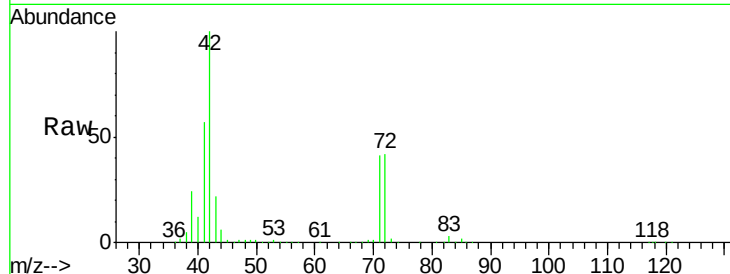




#29
Tetrahydrofuran
Concen: 261.34 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

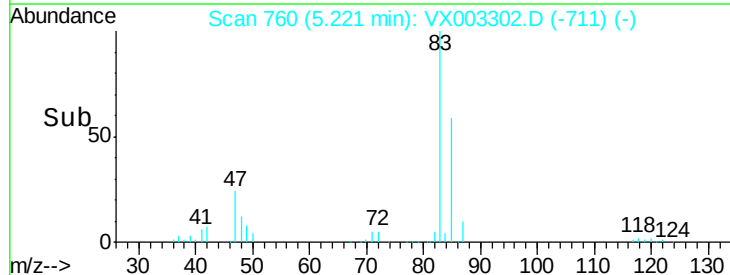
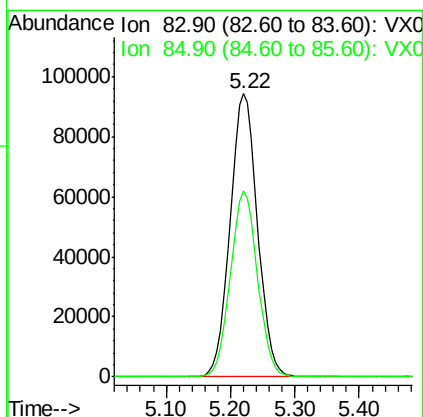
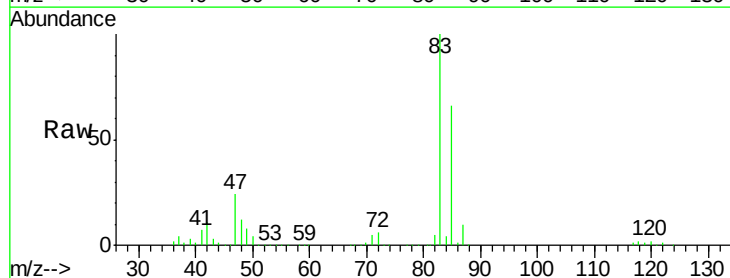
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

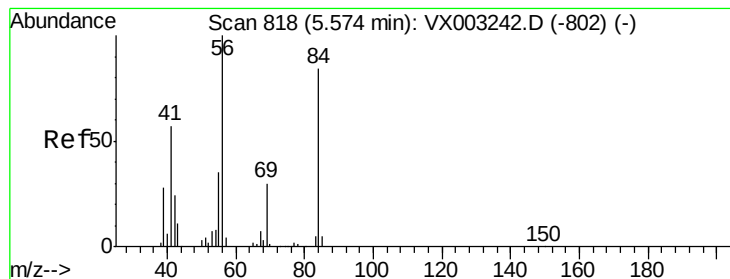
Tot Ion: 42 Resp: 385942
Ion Ratio Lower Upper
42 100
72 42.5 32.0 48.0
71 40.0 30.1 45.1



#30
Chloroform
Concen: 50.11 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 83 Resp: 279595
Ion Ratio Lower Upper
83 100
85 65.9 50.4 75.6





#31

Cyclohexane

Concen: 49.13 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

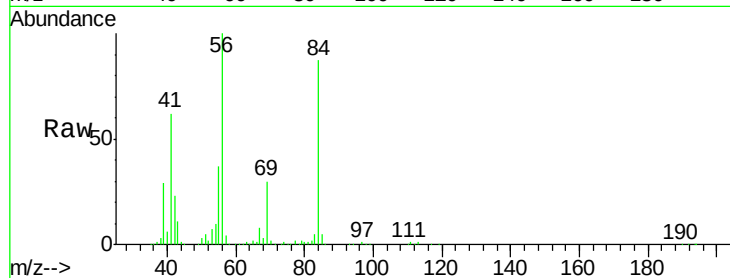
Tot Ion: 56 Resp: 233380

Ion Ratio Lower Upper

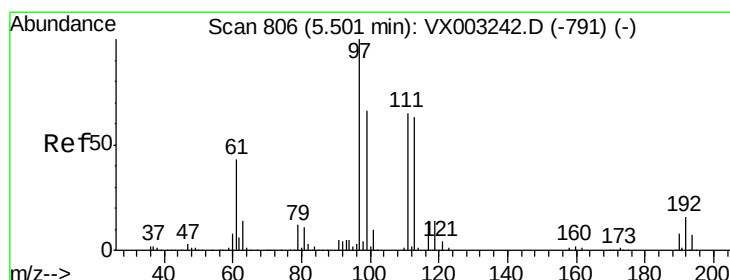
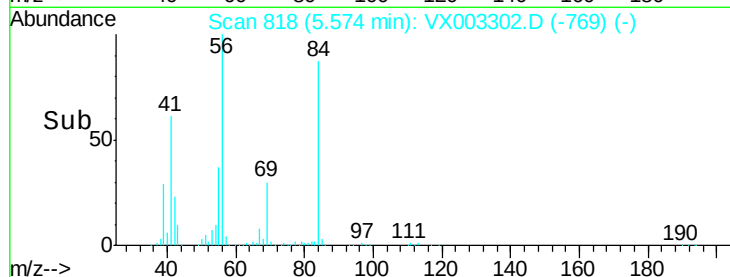
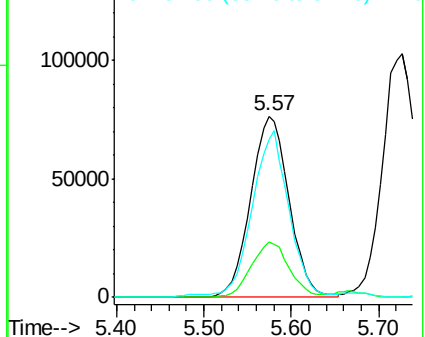
56 100

69 30.4 23.7 35.5

84 85.6 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.10 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

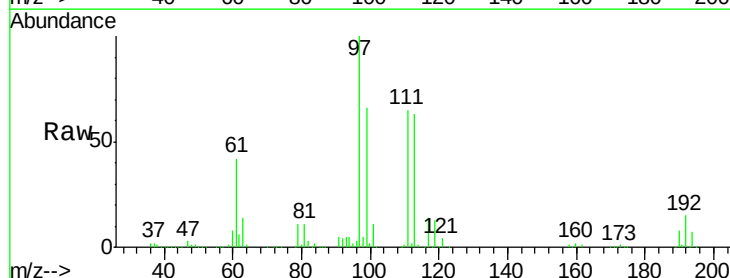
Tgt Ion: 97 Resp: 246598

Ion Ratio Lower Upper

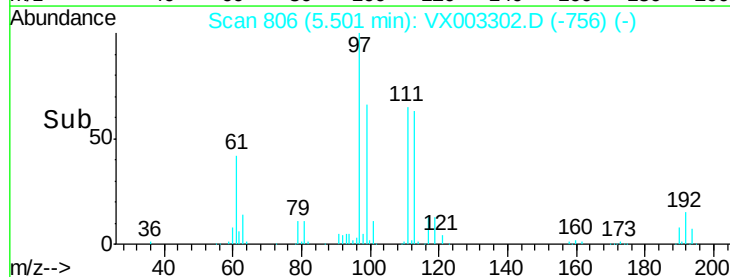
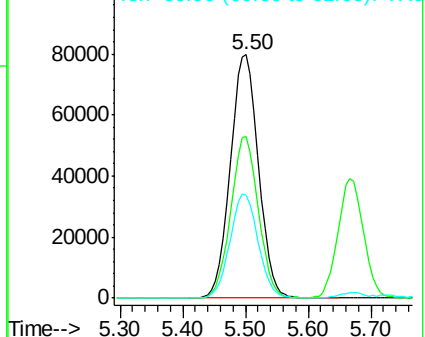
97 100

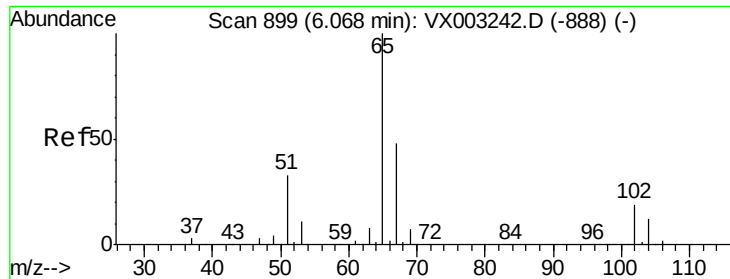
99 65.2 51.6 77.4

61 42.9 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

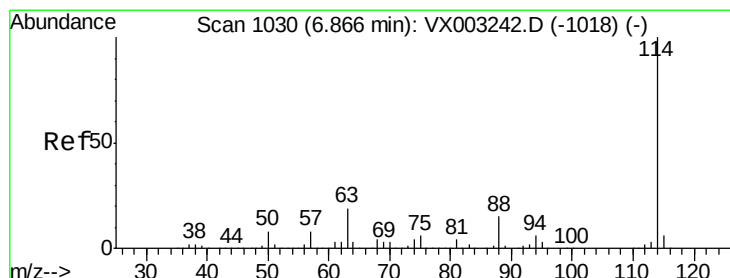
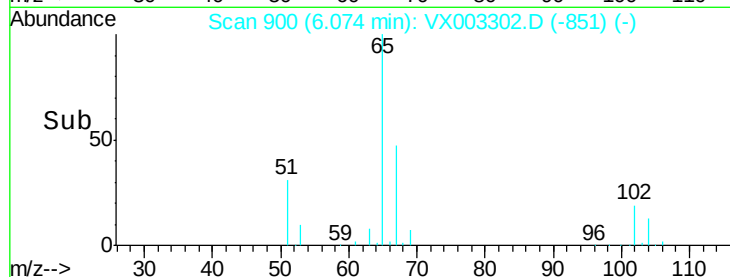
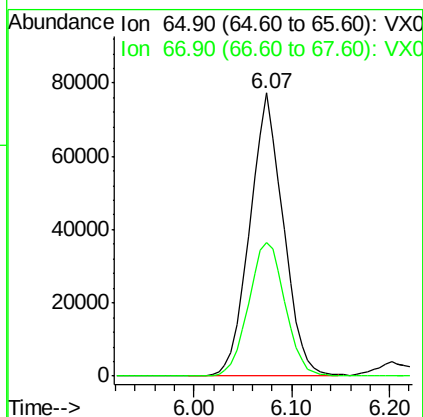
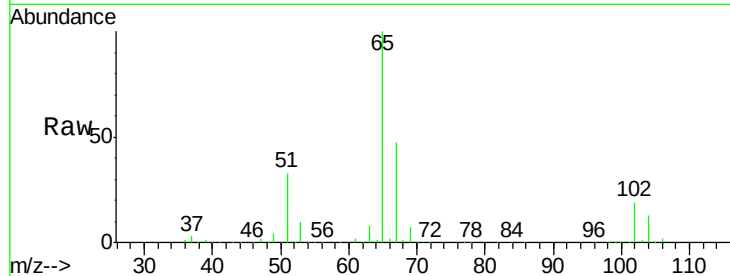




#33
 1,2-Dichloroethane-d4
 Concen: 50.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

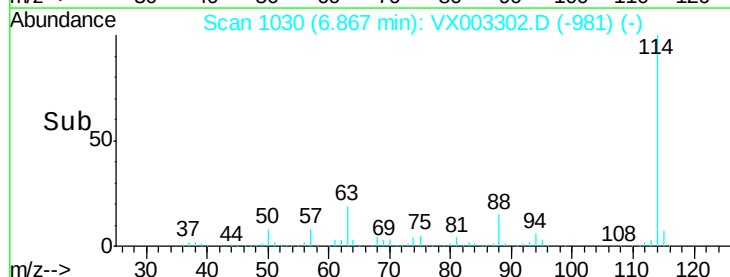
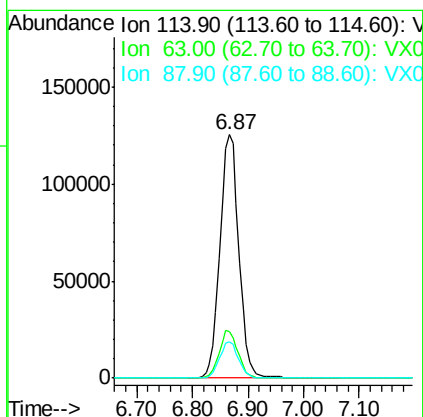
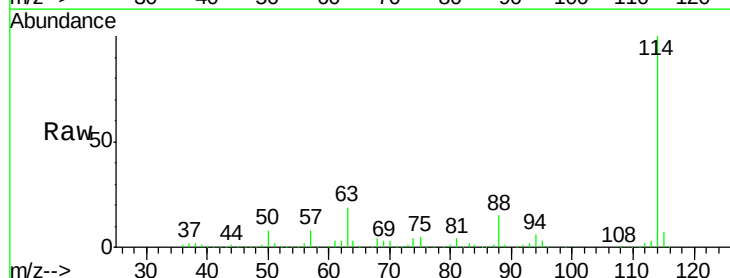
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

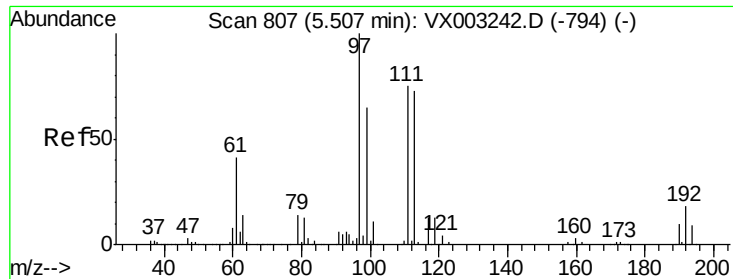
Tot Ion: 65 Resp: 183289
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 114 Resp: 295307
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.0 0.0 30.0

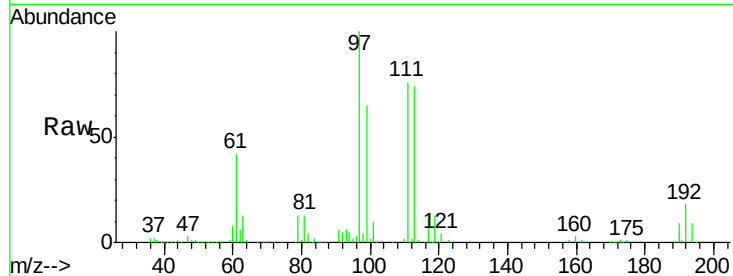




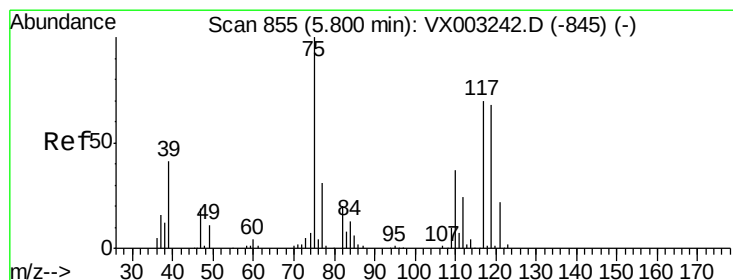
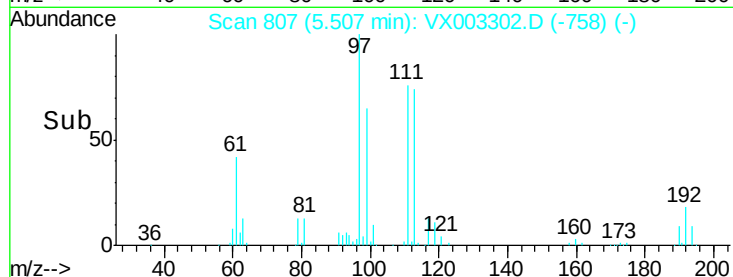
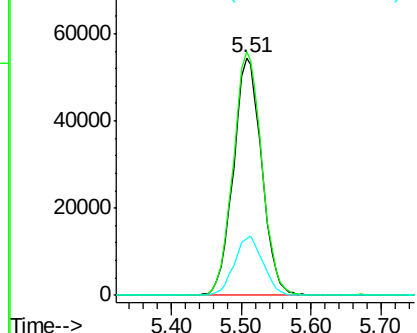
#35
 Dibromofluoromethane
 Concen: 48.13 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 152700
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.0
 192 25.2 19.1 28.7

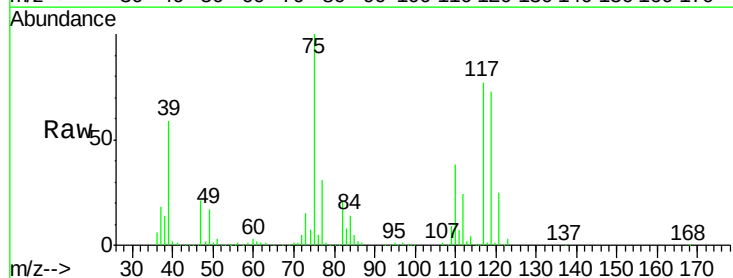


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

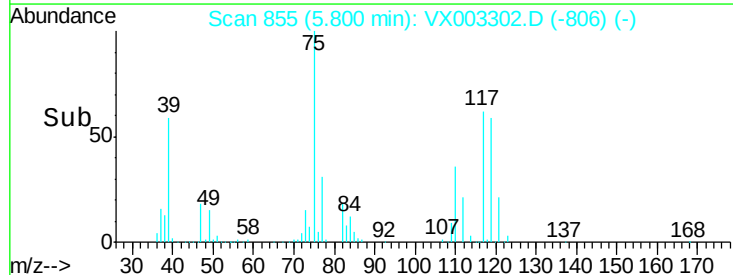
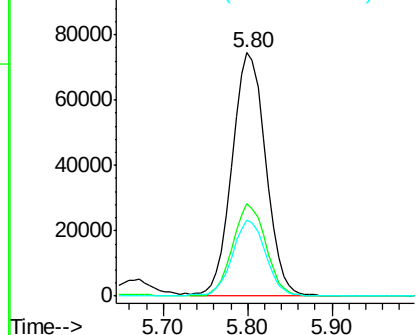


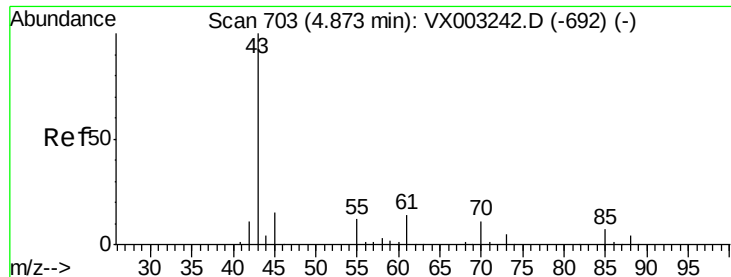
#36
 1,1-Dichloropropene
 Concen: 48.03 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 75 Resp: 200769
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.4
 77 31.6 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

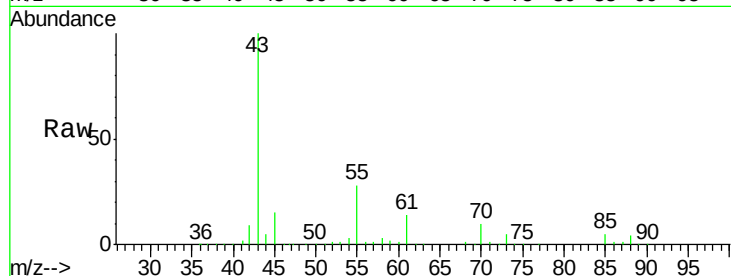




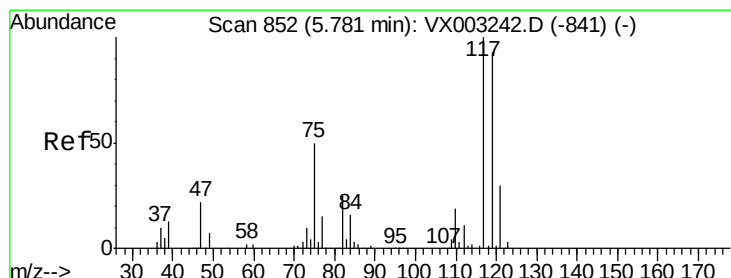
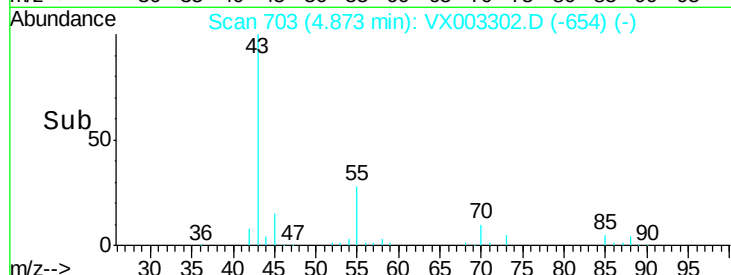
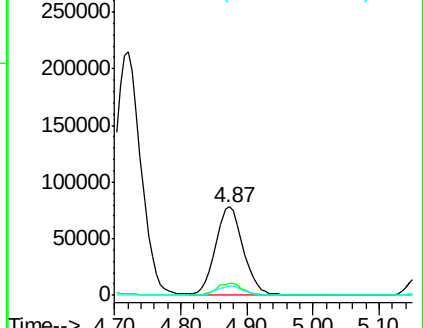
#37
Ethyl Acetate
Concen: 49.77 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion: 43 Resp: 228087
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 10.3 7.6 11.4

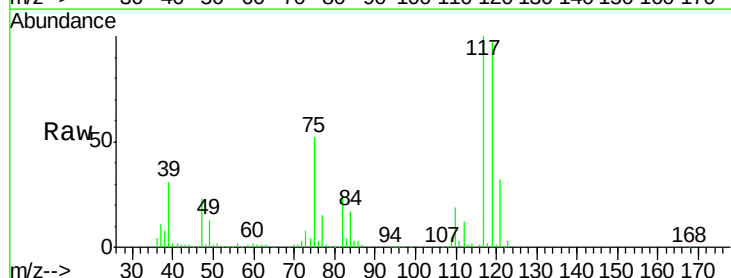


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

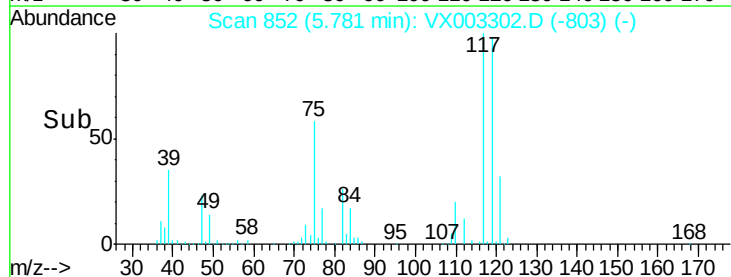
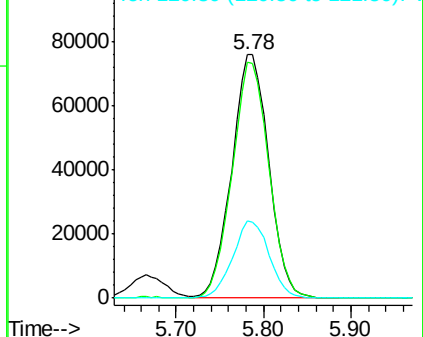


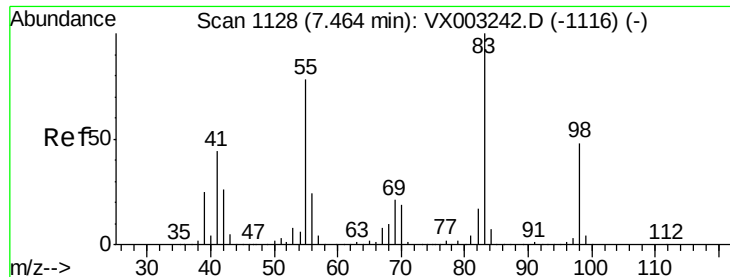
#38
Carbon Tetrachloride
Concen: 48.57 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 117 Resp: 222111
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
121 31.9 24.4 36.6



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

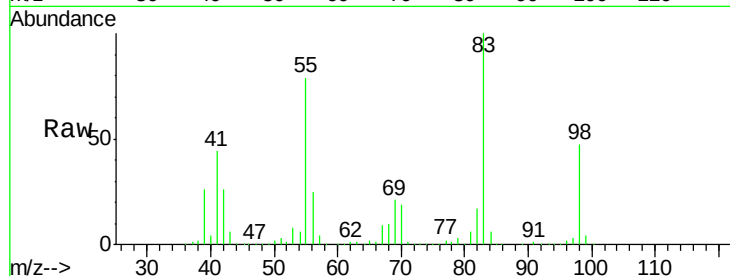




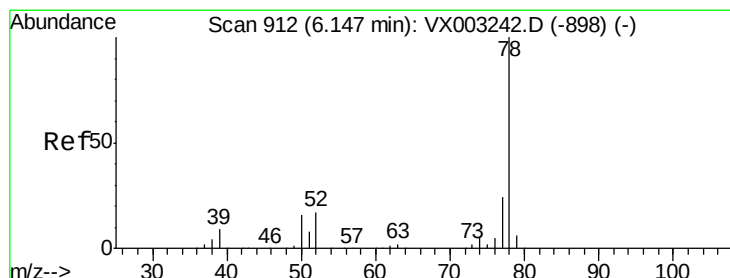
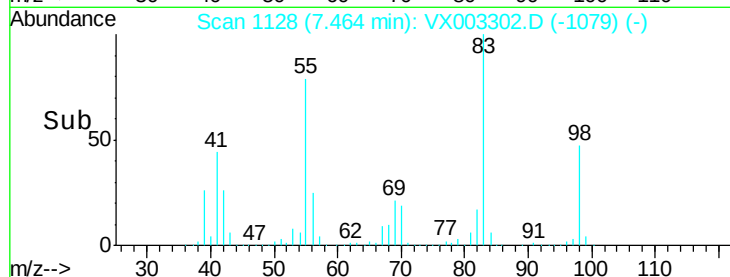
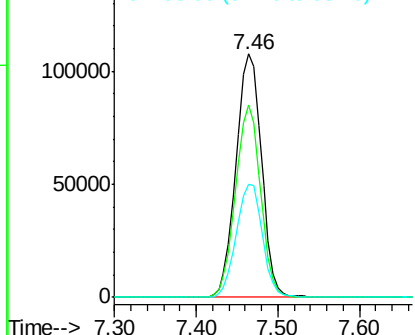
#39
Methylvlcyclohexane
Concen: 47.27 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 232777
Ion Ratio Lower Upper
83 100
55 78.9 65.4 98.0
98 46.6 37.4 56.0

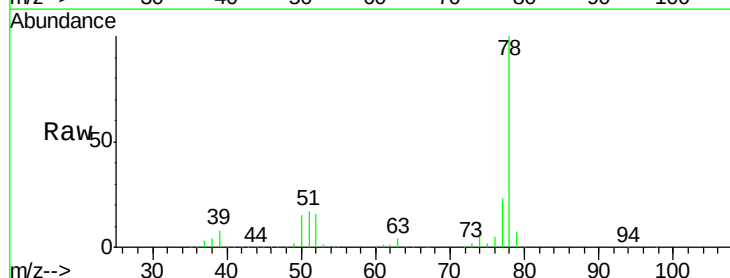


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

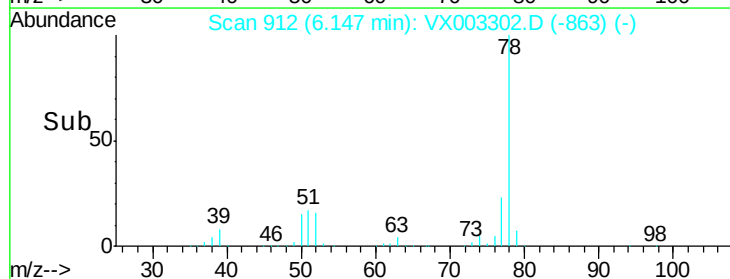
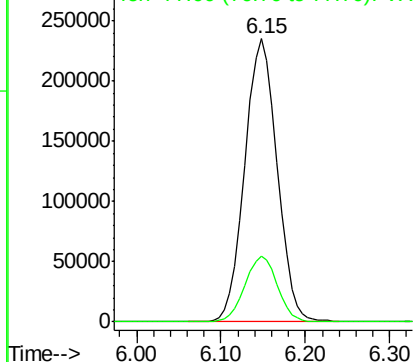


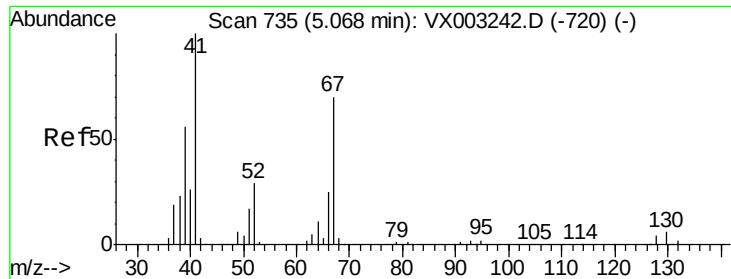
#40
Benzene
Concen: 49.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 78 Resp: 611126
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

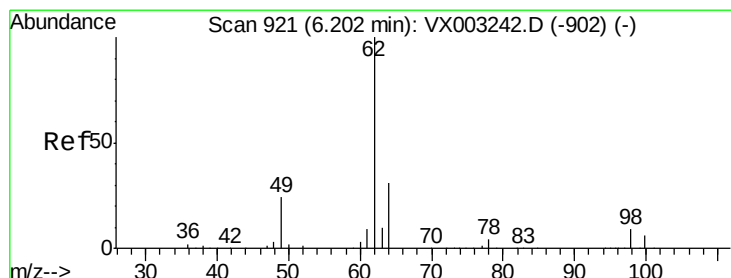
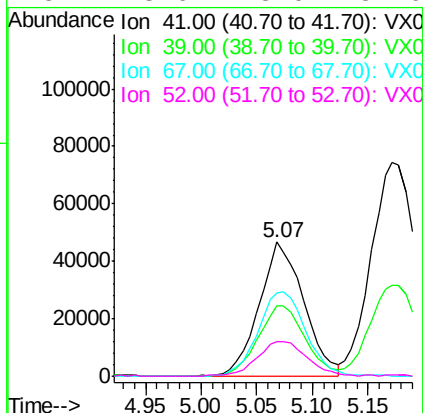
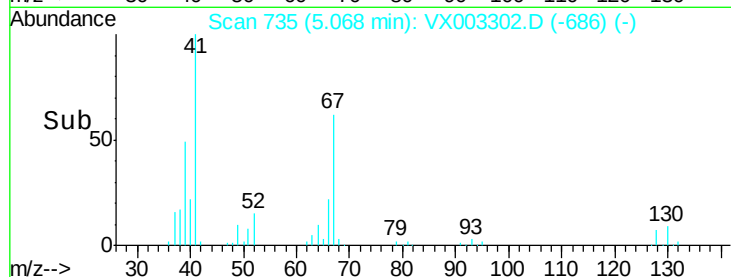
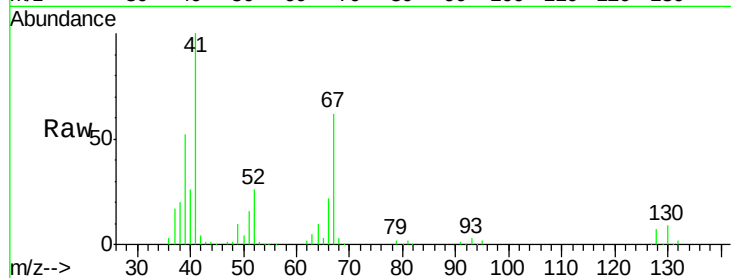




#41
Methacrylonitrile
Concen: 51.64 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

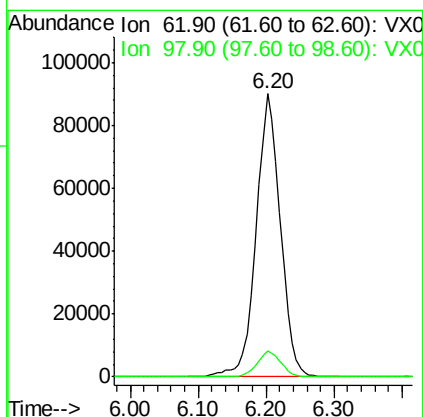
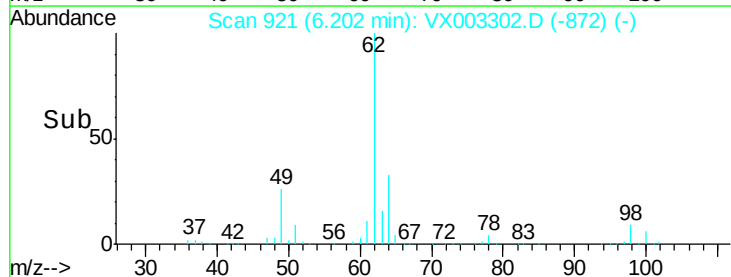
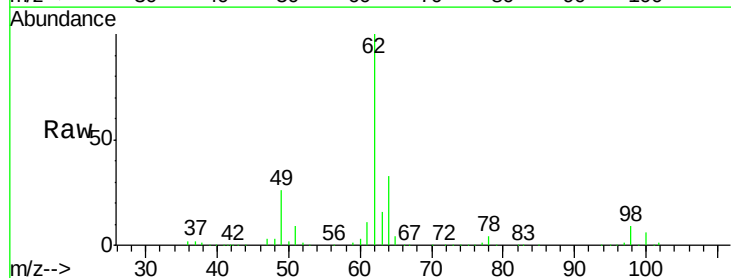
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

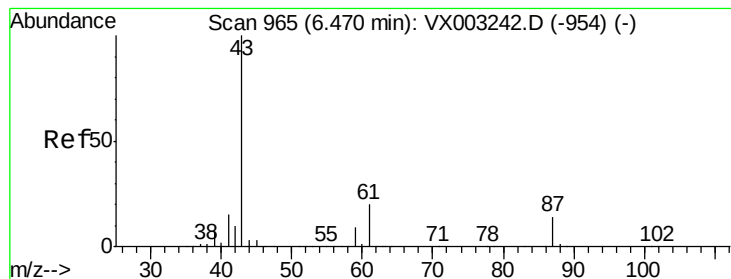
Tot Ion:	41	Resp:	129564
Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.8	68.6
67	67.9	51.3	76.9
52	28.6	23.0	34.6



#42
1,2-Dichloroethane
Concen: 48.27 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion:	62	Resp:	223417
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 50.69 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

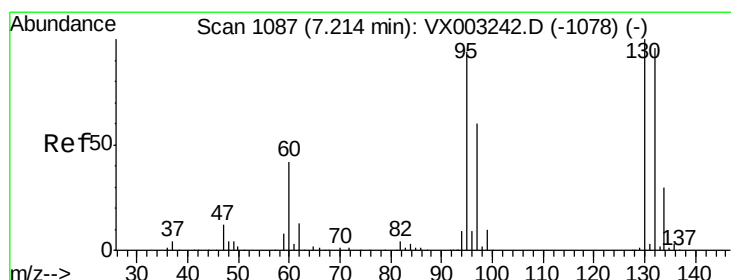
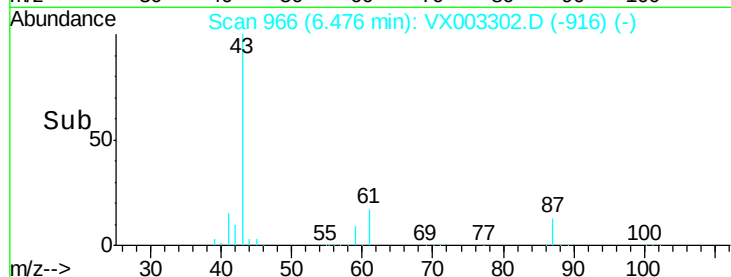
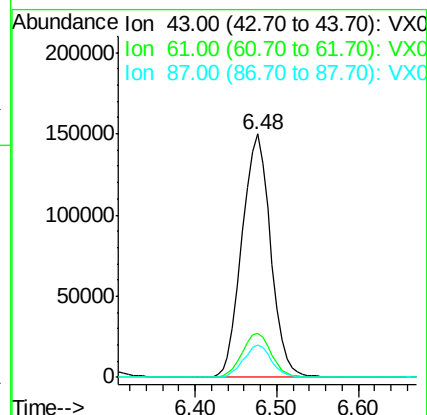
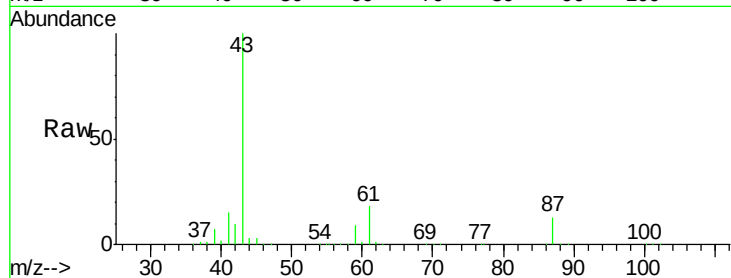
Tot Ion: 43 Resp: 364782

Ion Ratio Lower Upper

43 100

61 18.7 14.4 21.6

87 12.8 9.5 14.3



#44

Trichloroethene

Concen: 49.01 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003302.D

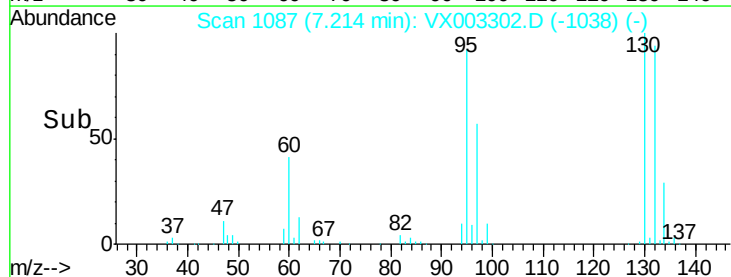
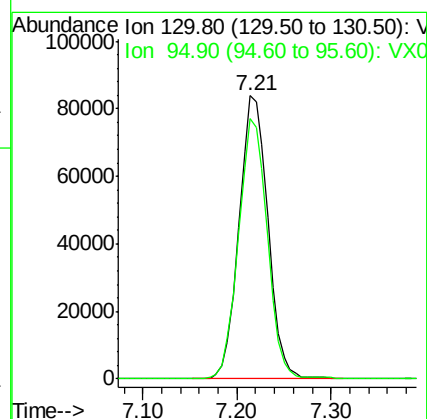
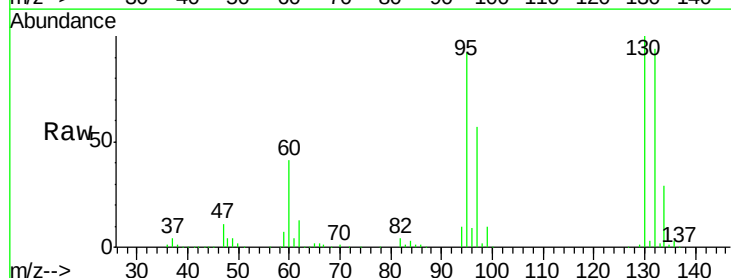
Acq: 10 Jul 2018 23:43

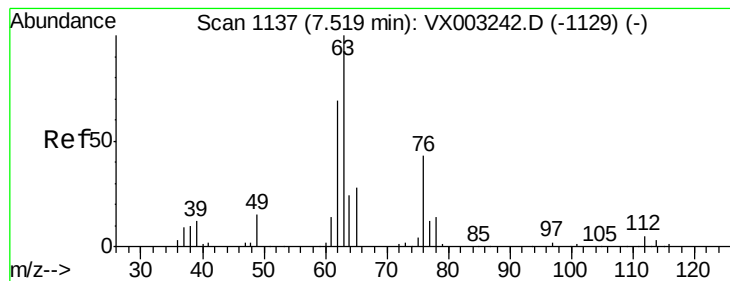
Tgt Ion:130 Resp: 179536

Ion Ratio Lower Upper

130 100

95 92.2 0.0 185.4





#45

1,2-Dichloropropane

Concen: 48.15 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

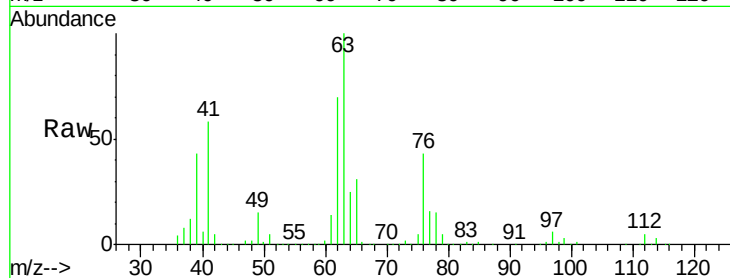
VSTDCCC050

Tot Ion: 63 Resp: 155089

Ion Ratio Lower Upper

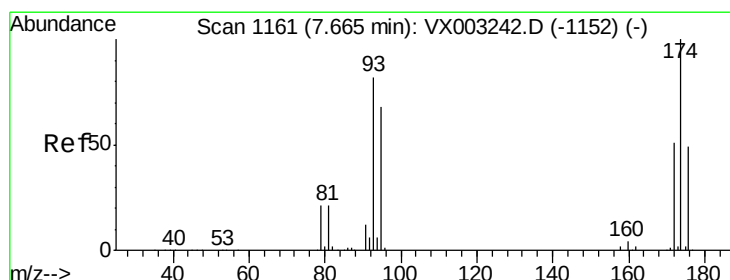
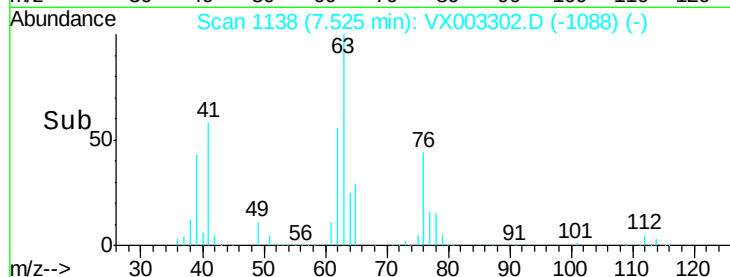
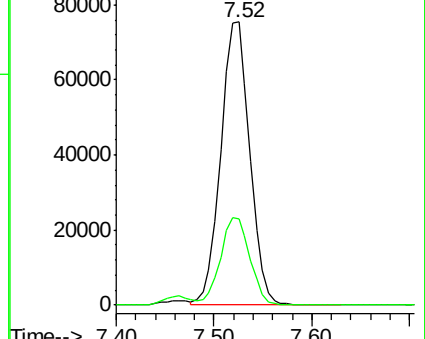
63 100

65 30.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.76 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

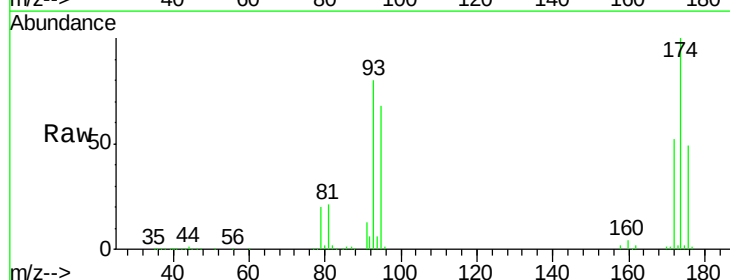
Tgt Ion: 93 Resp: 109245

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

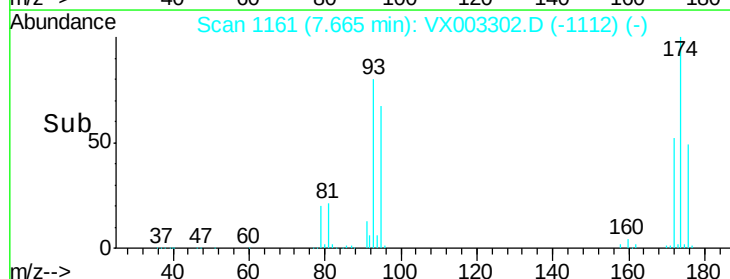
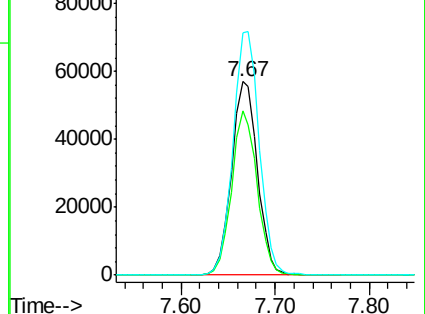
174 126.6 92.4 138.6

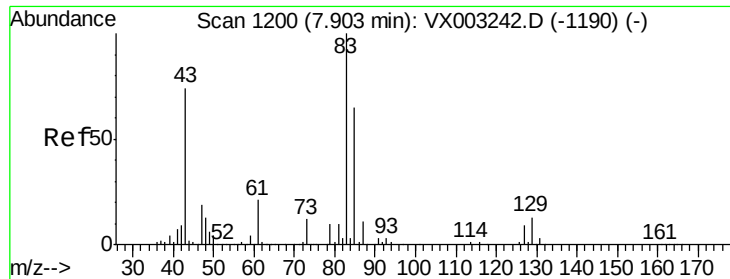


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.14 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

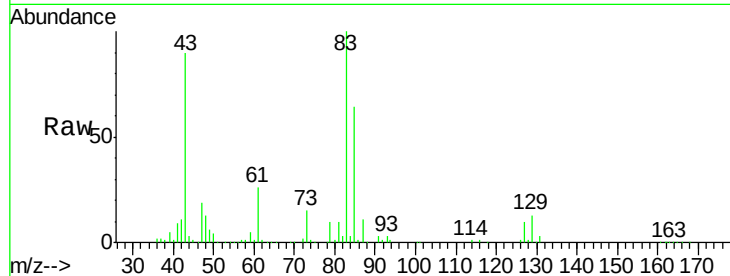
Tot Ion: 83 Resp: 203089

Ion Ratio Lower Upper

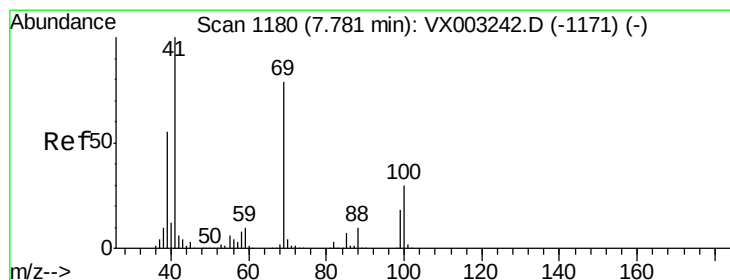
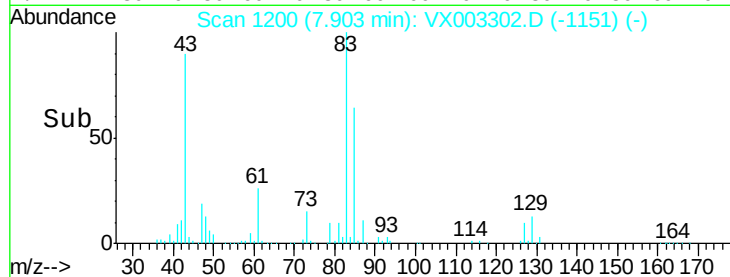
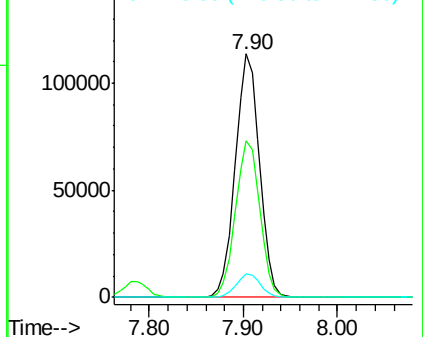
83 100

85 64.2 50.3 75.5

127 9.7 7.0 10.4



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: 51.29 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

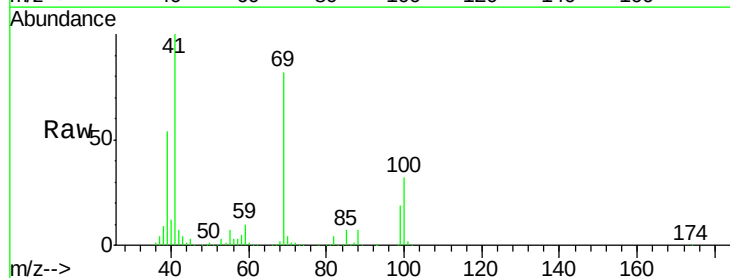
Tgt Ion: 41 Resp: 189316

Ion Ratio Lower Upper

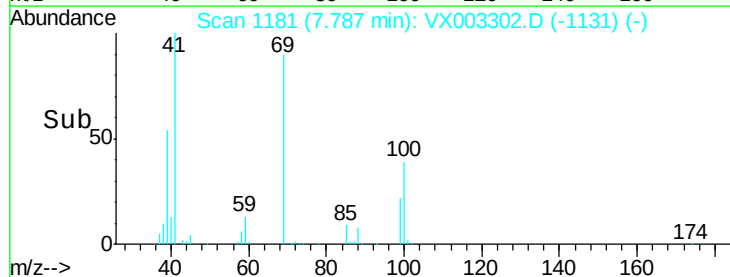
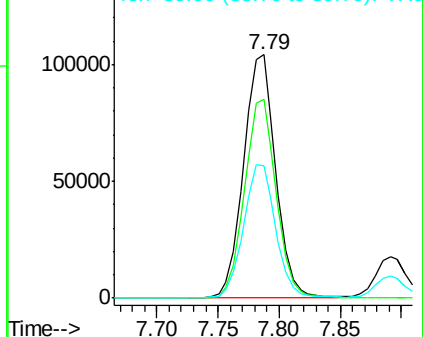
41 100

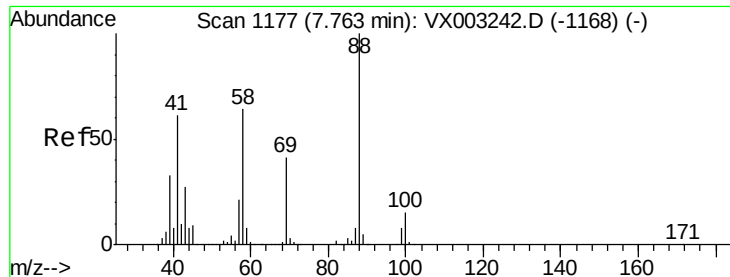
69 81.4 59.1 88.7

39 55.1 48.9 73.3



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: 1060.68 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

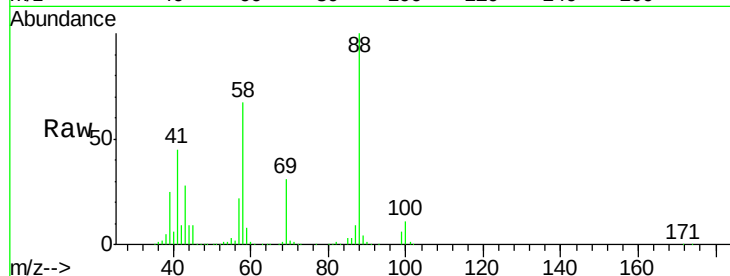
Tot Ion: 88 Resp: 81857

Ion Ratio Lower Upper

88 100

43 34.2 29.8 44.6

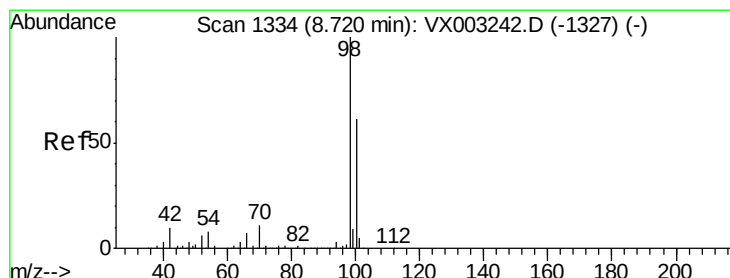
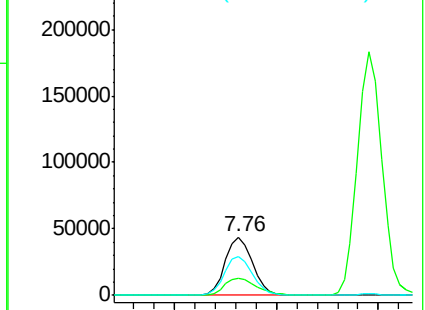
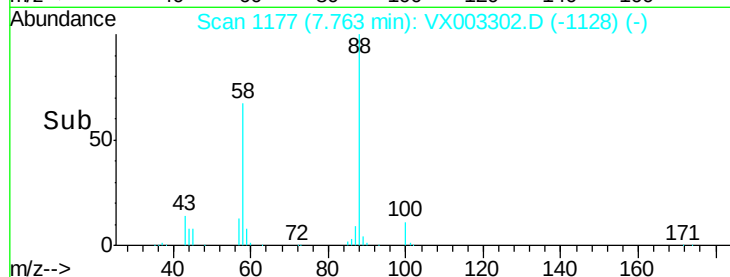
58 69.1 57.1 85.7



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: 50.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003302.D

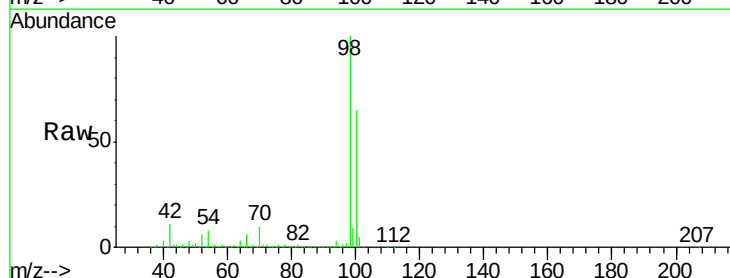
Acq: 10 Jul 2018 23:43

Tgt Ion: 98 Resp: 568768

Ion Ratio Lower Upper

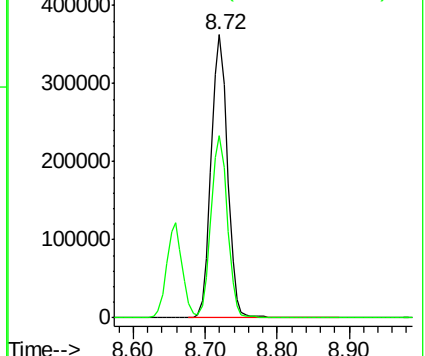
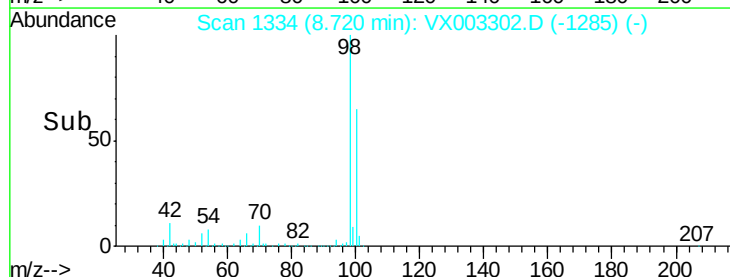
98 100

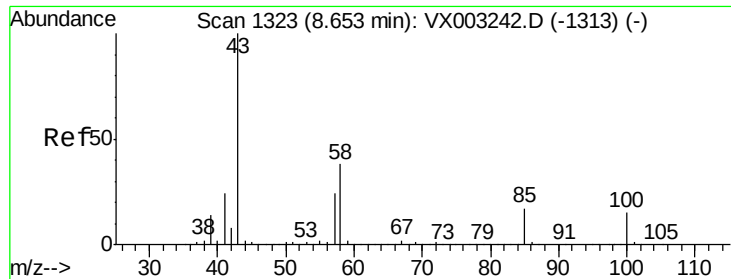
100 64.2 50.9 76.3



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: 261.78 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

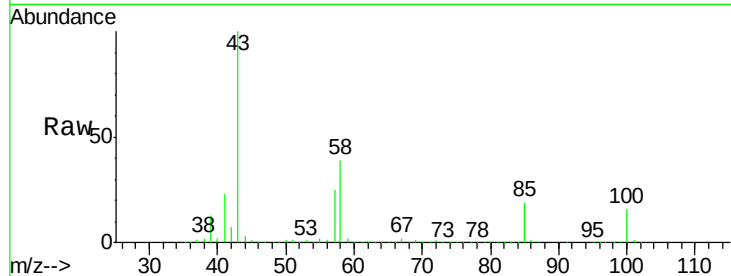
VSTDCCC050

Tot Ion: 43 Resp: 1172844

Ion Ratio Lower Upper

43 100

58 38.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

800000

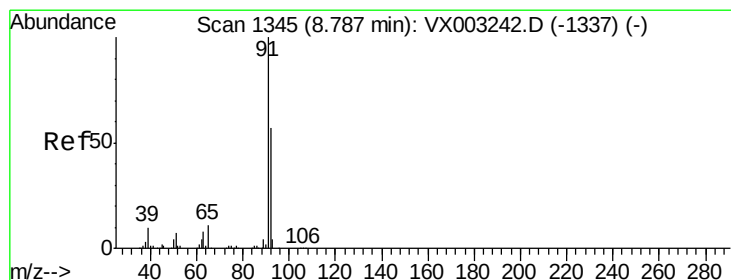
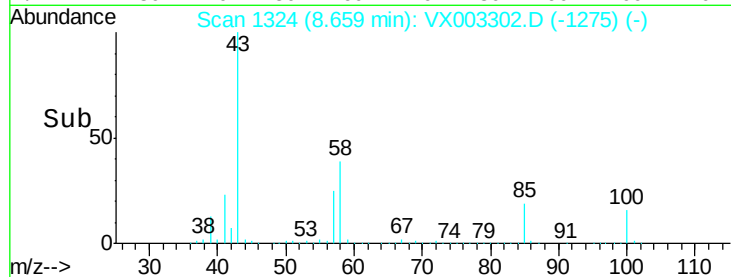
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.64 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003302.D

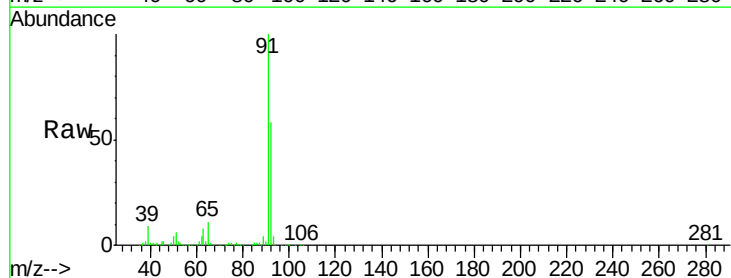
Acq: 10 Jul 2018 23:43

Tgt Ion: 92 Resp: 396585

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

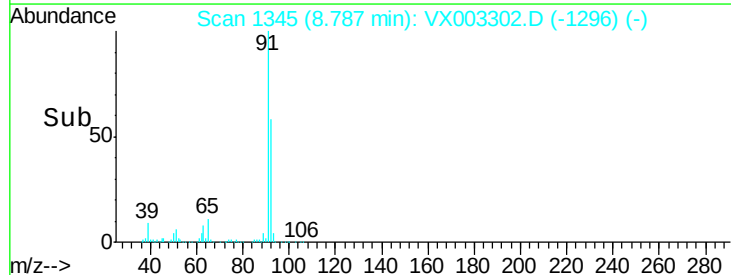
300000

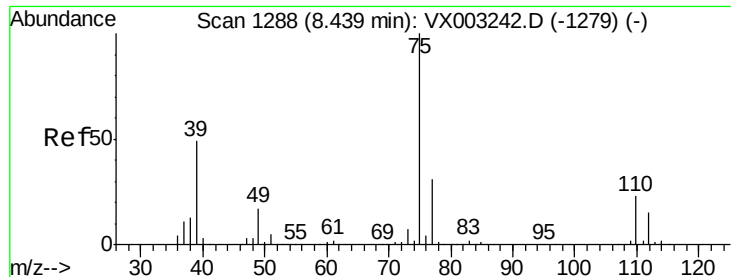
200000

100000

0

Time-->

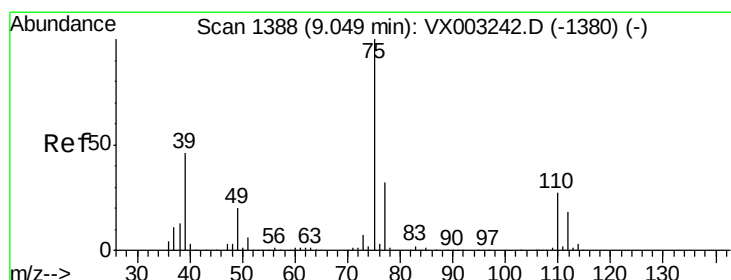
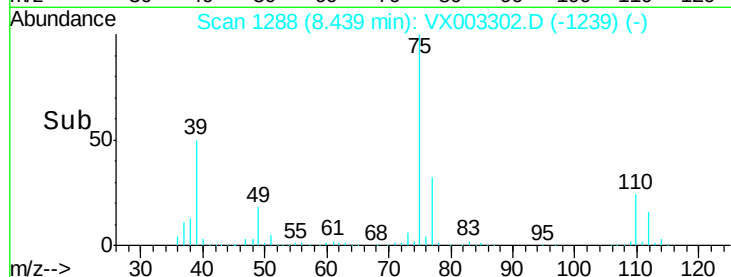
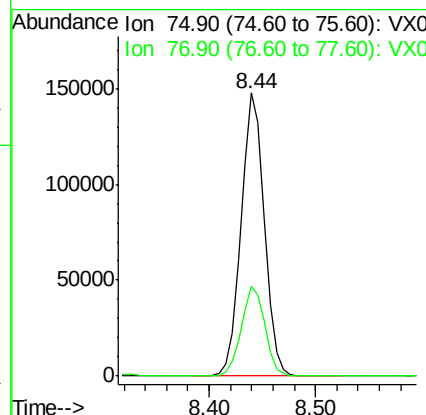
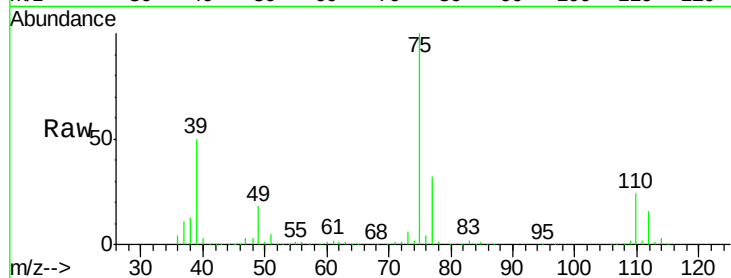




#53
t-1,3-Dichloropropene
Concen: 47.45 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

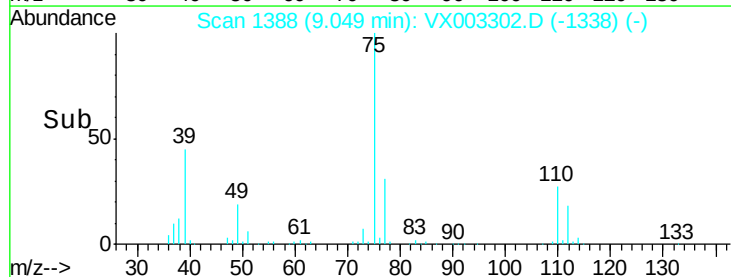
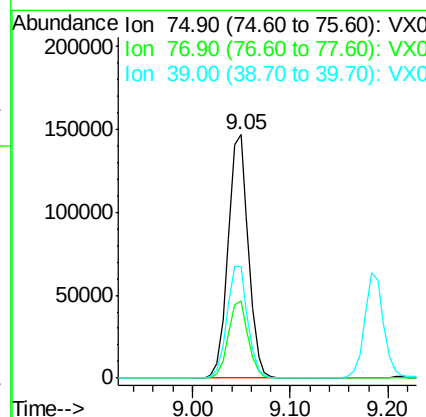
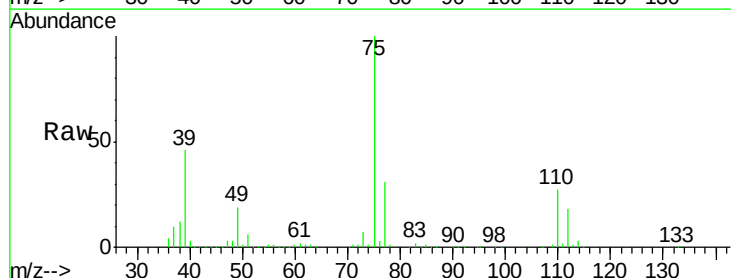
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

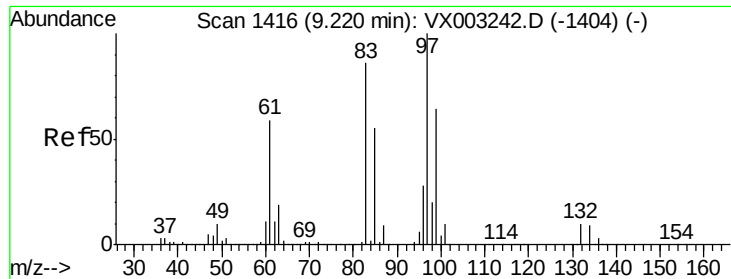
Tot Ion: 75 Resp: 226167
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 48.53 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 75 Resp: 210512
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 45.6 42.4 63.6

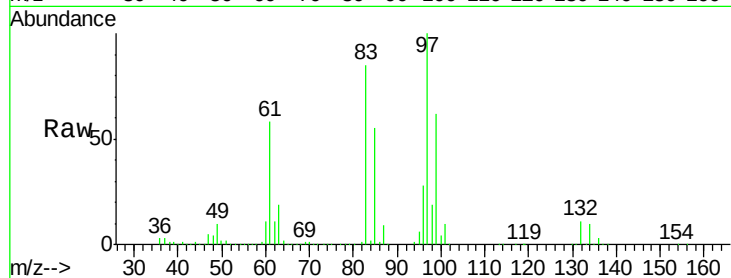




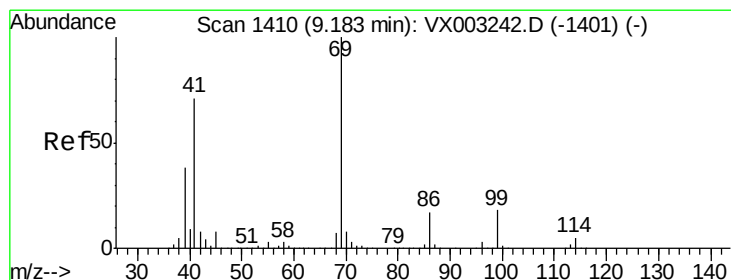
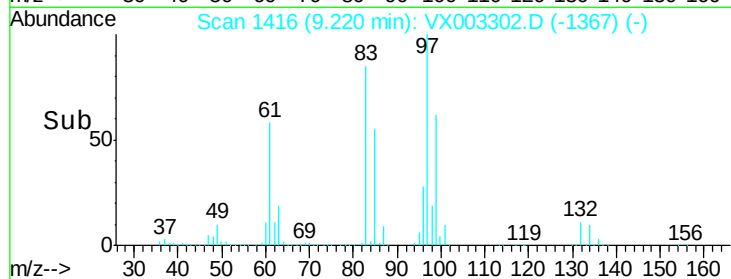
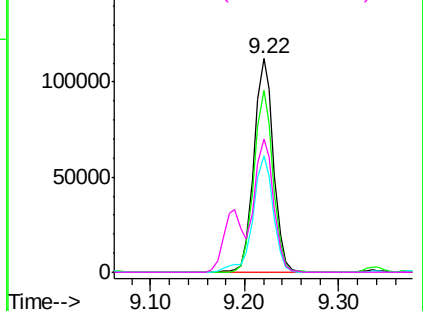
#55
 1,1,2-Trichloroethane
 Concen: 50.74 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 164830
 Ion Ratio Lower Upper
 97 100
 83 84.9 70.2 105.2
 85 54.8 44.9 67.3
 99 62.1 49.8 74.8

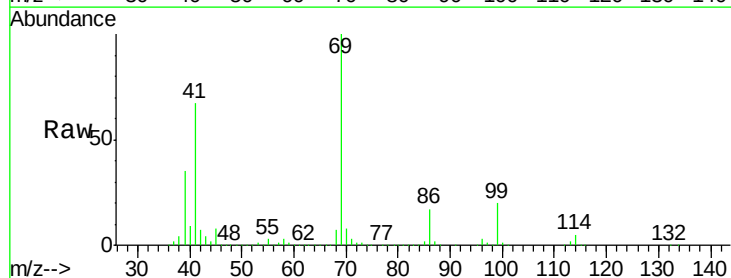


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

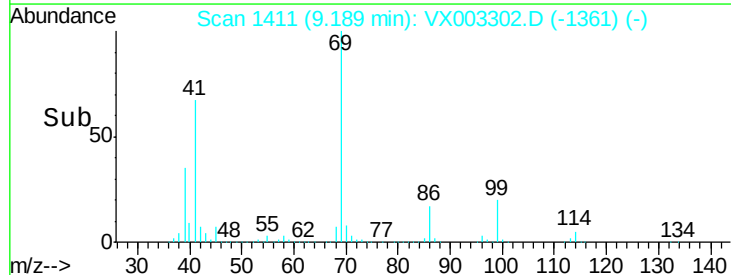
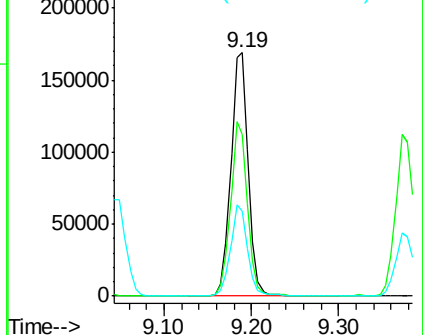


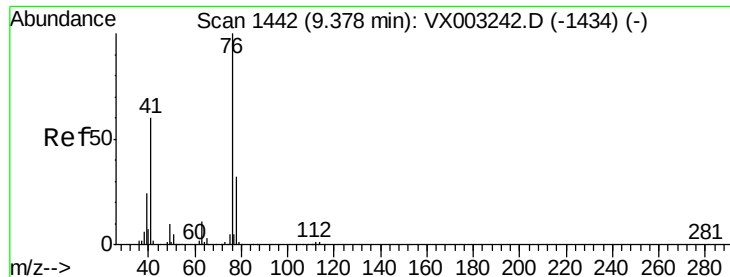
#56
 Ethyl methacrylate
 Concen: 52.60 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 69 Resp: 234074
 Ion Ratio Lower Upper
 69 100
 41 69.4 60.3 90.5
 39 36.5 35.8 53.8



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

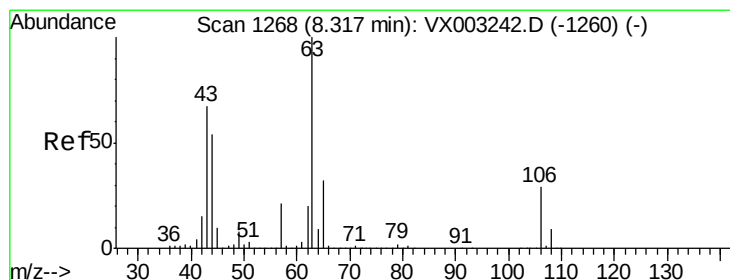
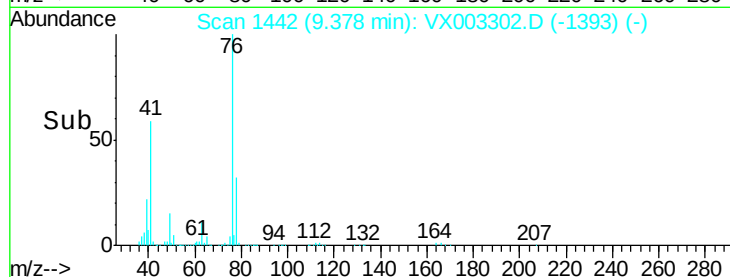
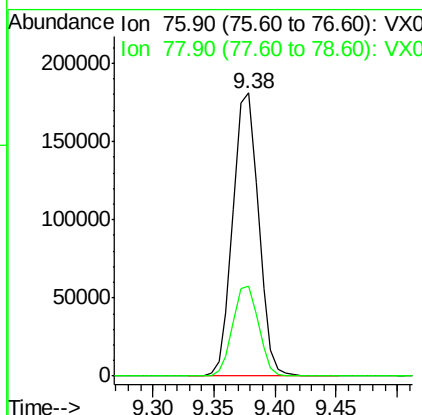
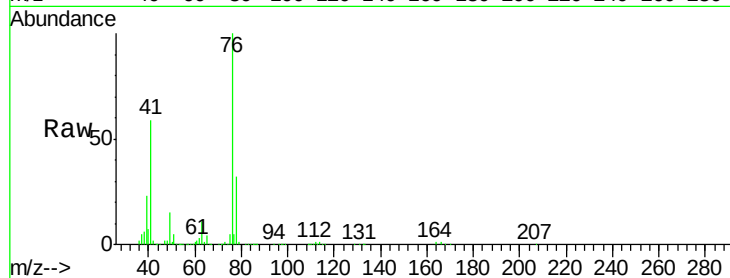




#57
 1,3-Dichloropropane
 Concen: 50.28 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

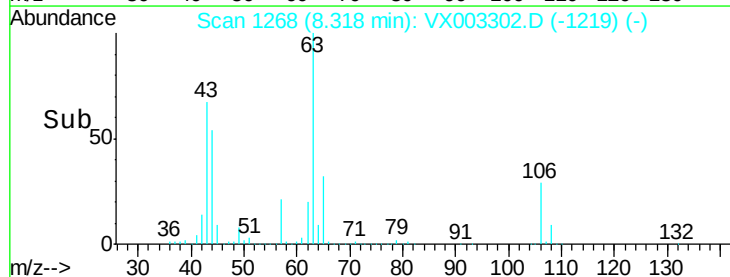
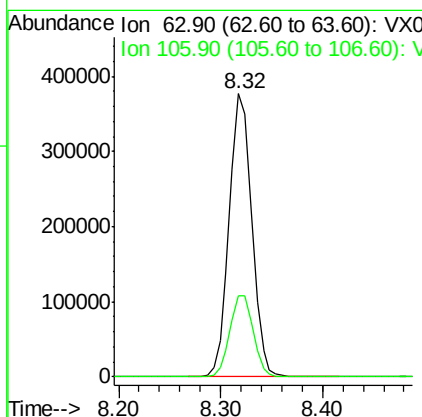
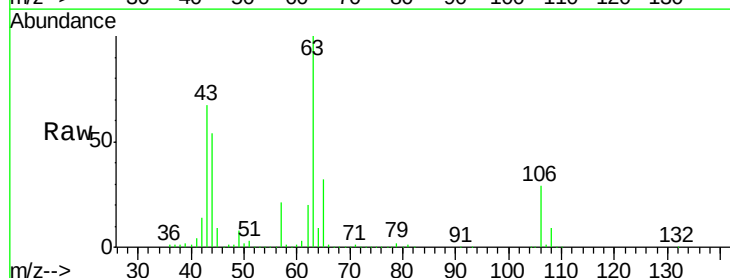
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

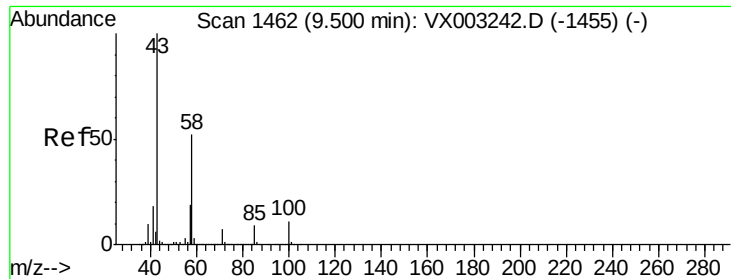
Tot Ion: 76 Resp: 263129
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.06 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 63 Resp: 577533
 Ion Ratio Lower Upper
 63 100
 106 29.8 21.8 32.8

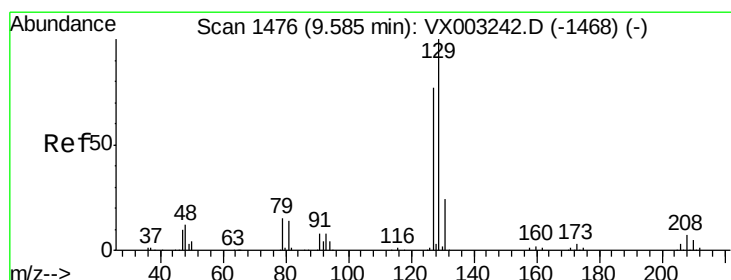
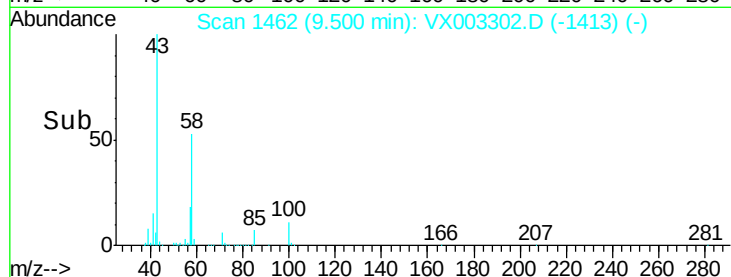
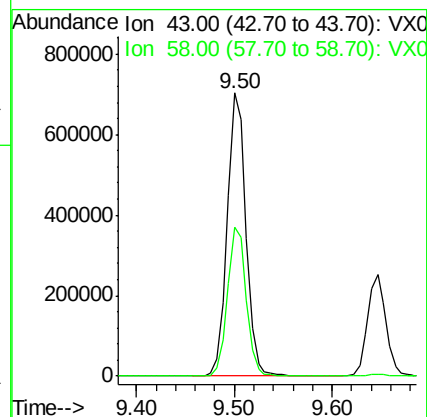
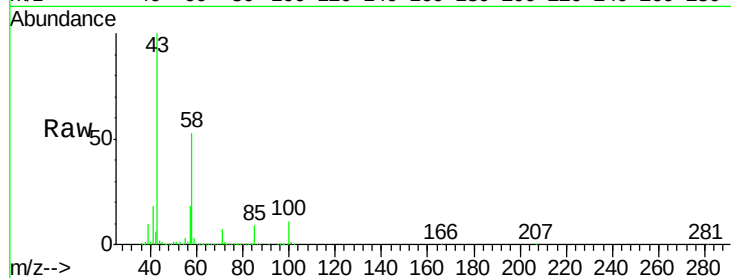




#59
2-Hexanone
Concen: 274.03 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

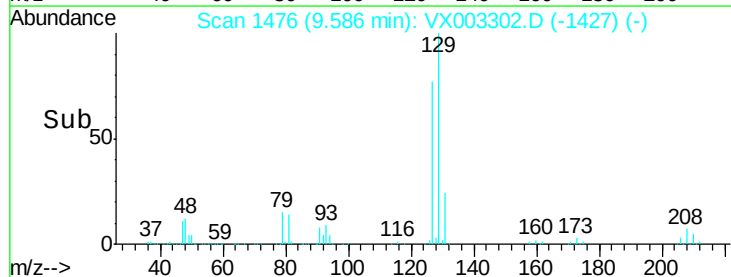
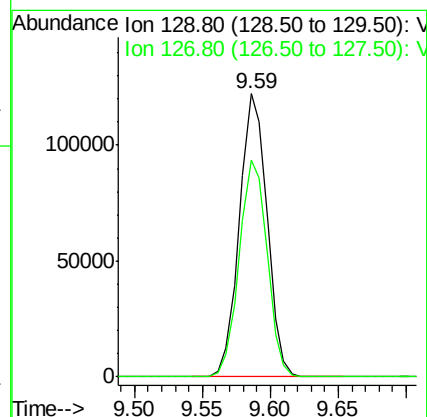
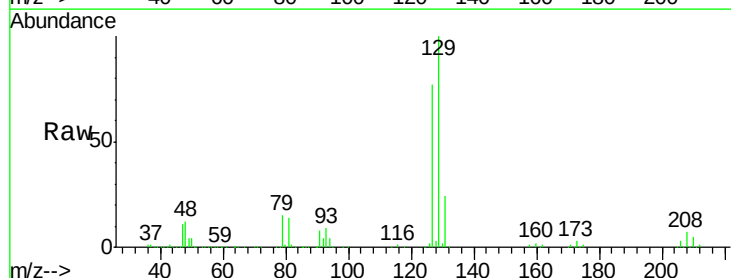
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

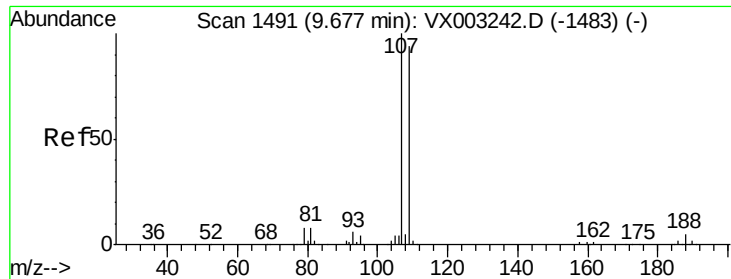
Tot Ion: 43 Resp: 932539
Ion Ratio Lower Upper
43 100
58 52.9 24.6 73.6



#60
Dibromochloromethane
Concen: 51.19 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 129 Resp: 173641
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.40 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

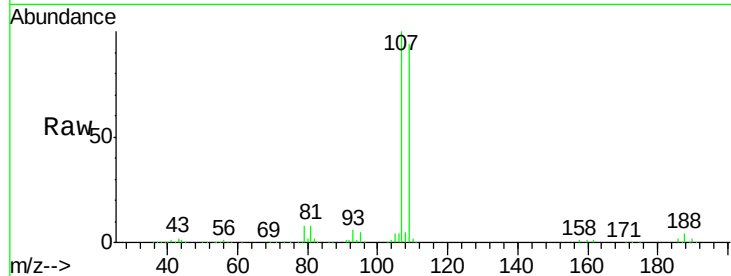
VSTDCCC050

Tot Ion:107 Resp: 175003

Ion Ratio Lower Upper

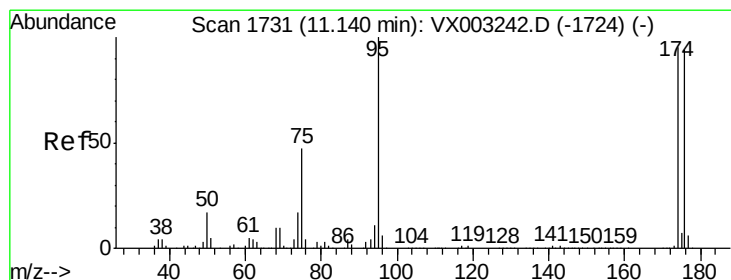
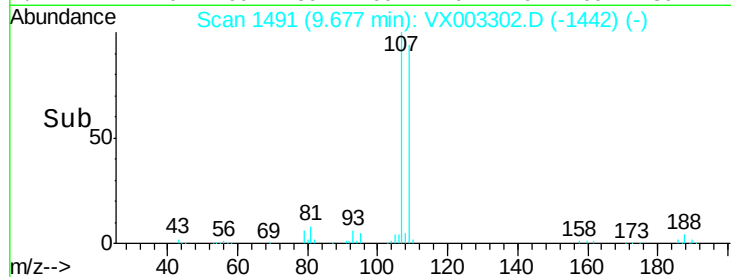
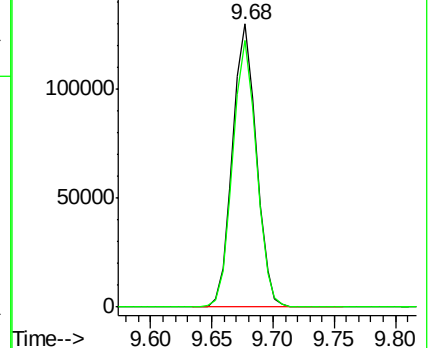
107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

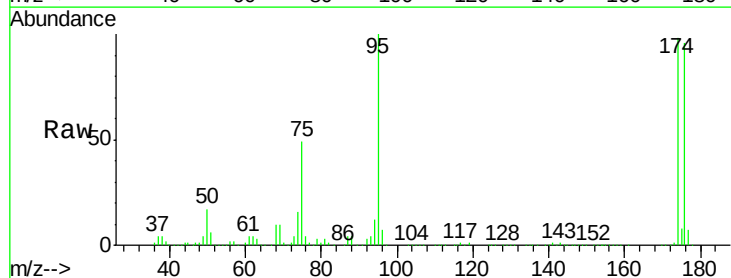
Tgt Ion: 95 Resp: 210101

Ion Ratio Lower Upper

95 100

174 101.7 0.0 187.4

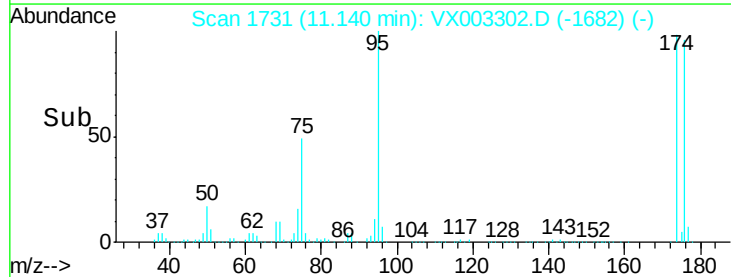
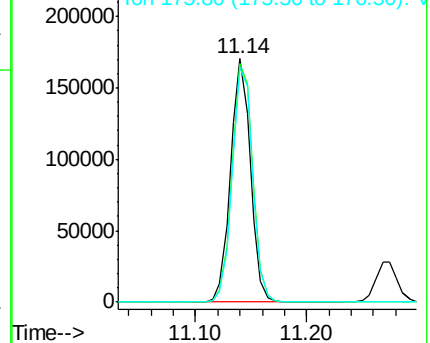
176 98.5 0.0 181.0

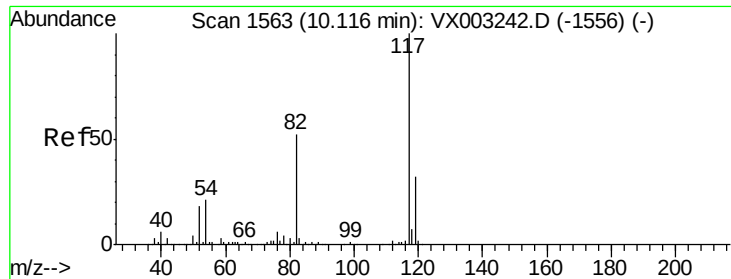


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

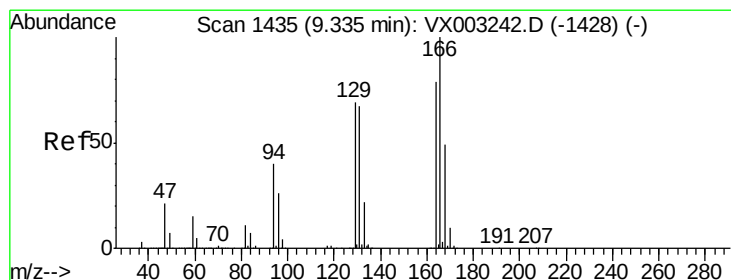
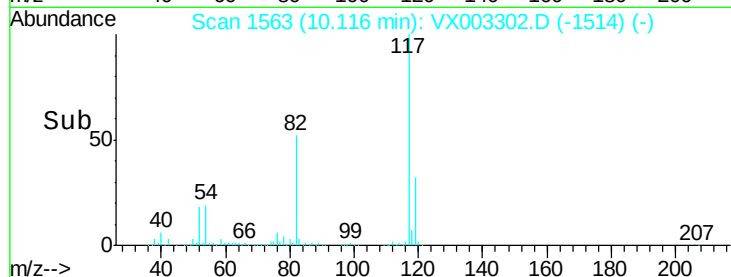
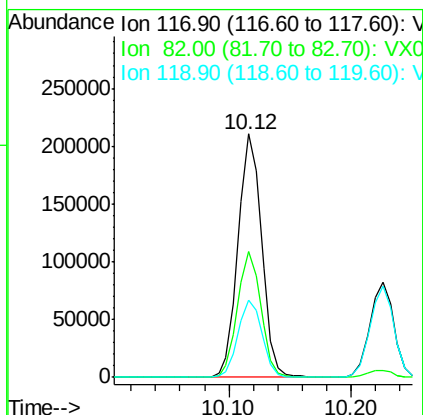
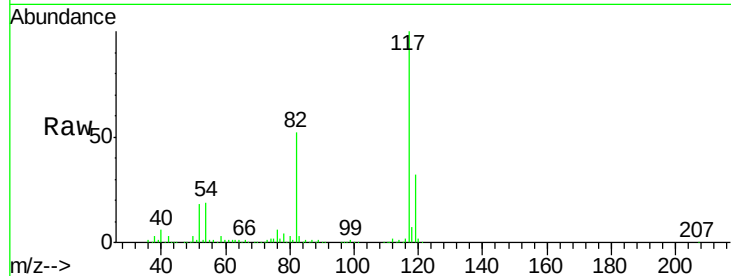




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

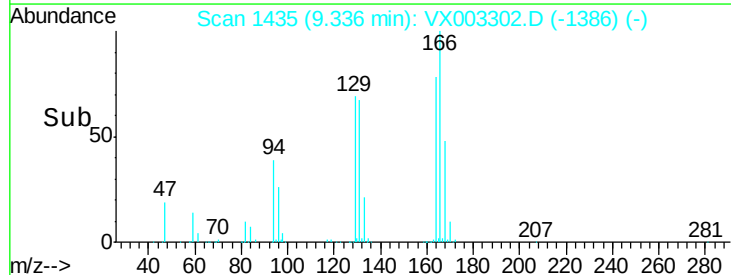
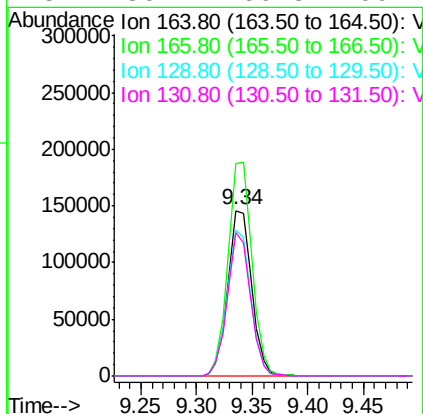
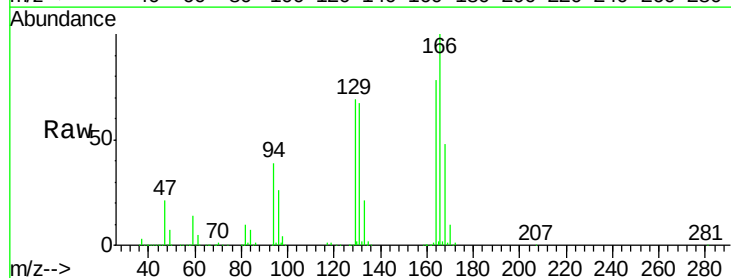
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

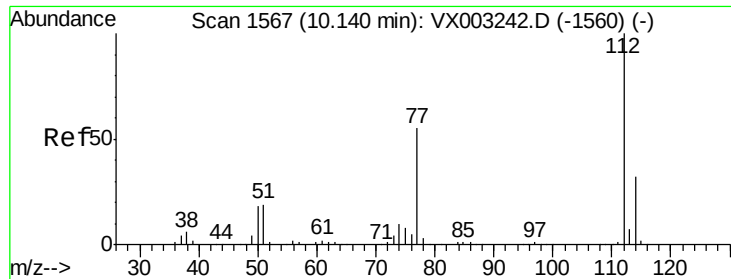
Tot Ion:117 Resp: 280128
Ion Ratio Lower Upper
117 100
82 51.8 45.0 67.4
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 51.47 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion:164 Resp: 217945
Ion Ratio Lower Upper
164 100
166 128.1 102.9 154.3
129 88.1 68.6 102.8
131 86.2 66.8 100.2





#65

Chlorobenzene

Concen: 47.77 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

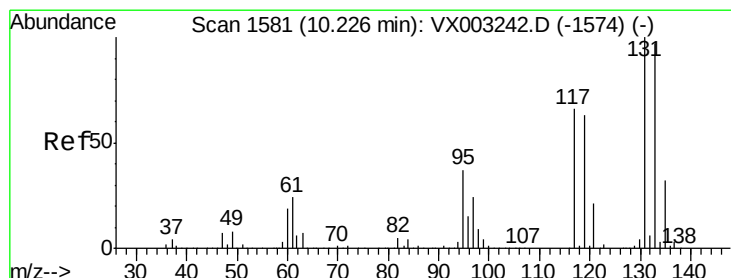
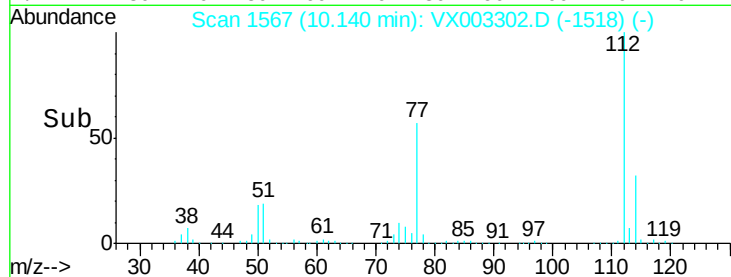
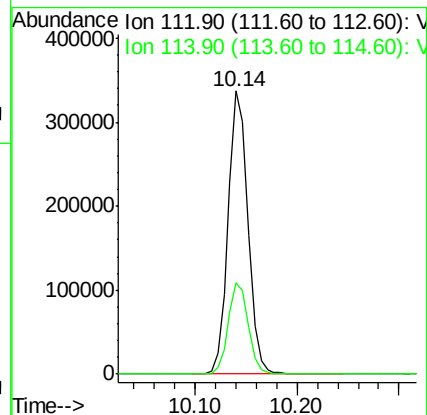
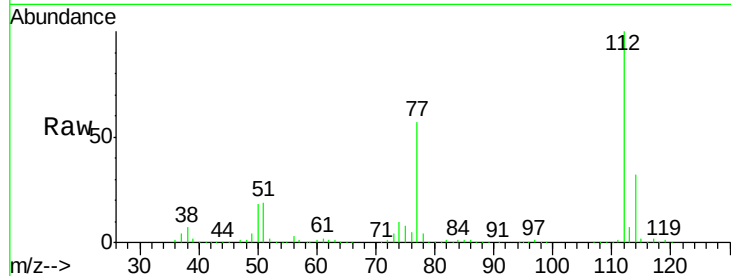
VSTDCCC050

Tot Ion:112 Resp: 454731

Ion Ratio Lower Upper

112 100

114 32.1 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 50.30 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

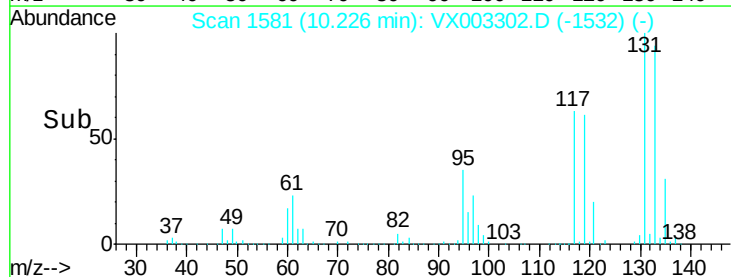
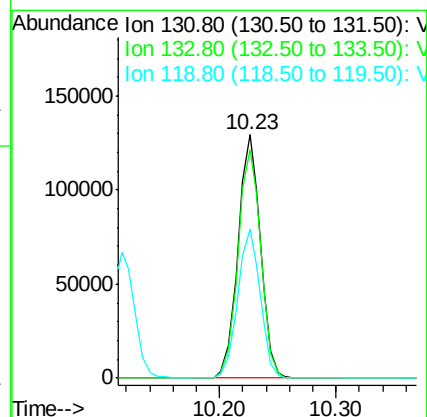
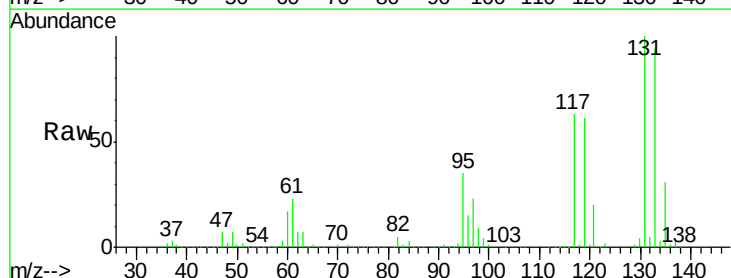
Tgt Ion:131 Resp: 172735

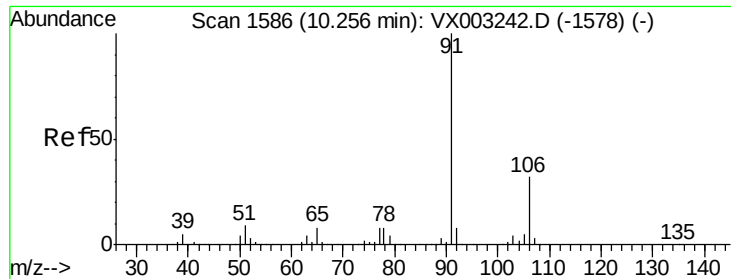
Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

119 61.8 31.8 95.3

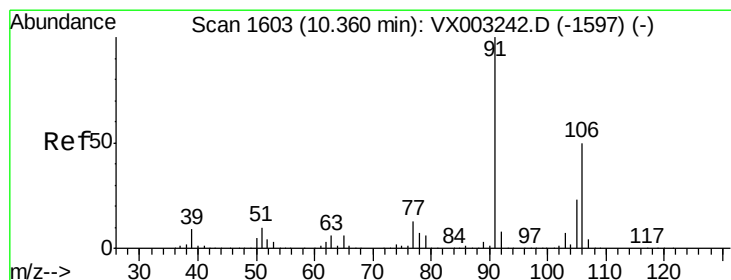
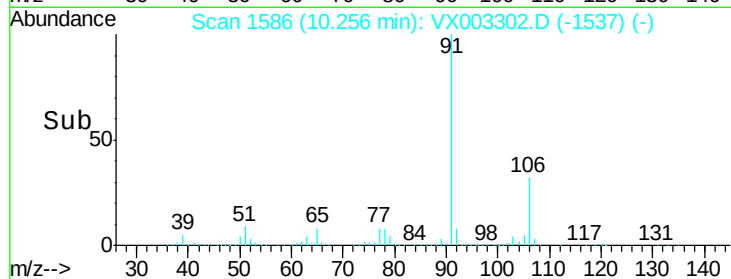
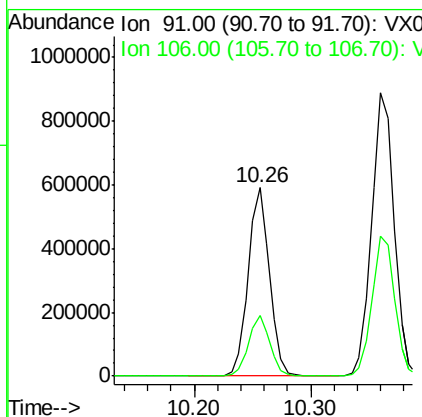
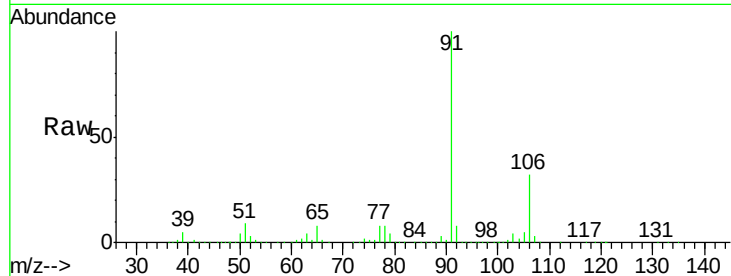




#67
Ethyl Benzene
Concen: 49.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

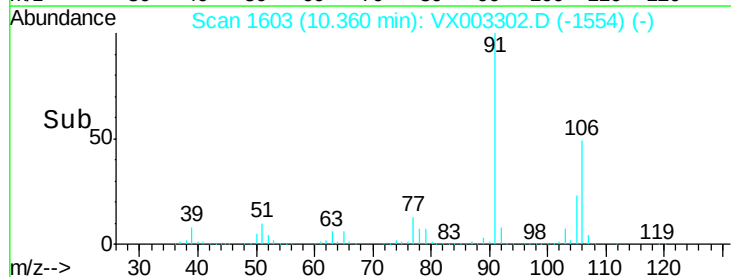
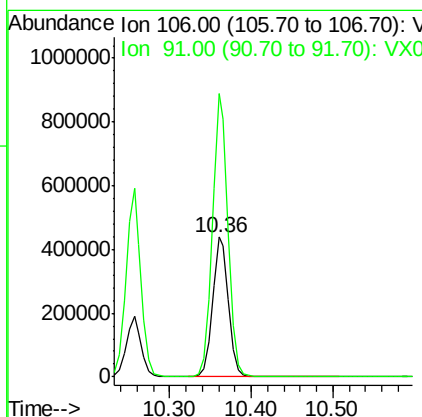
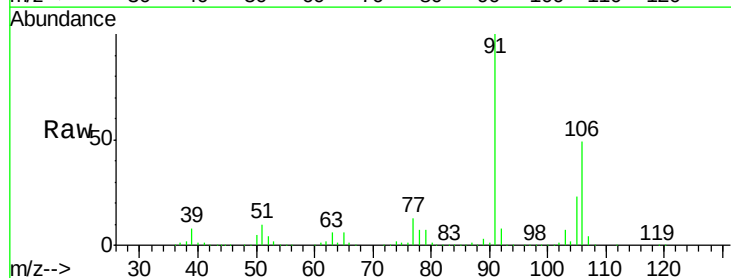
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

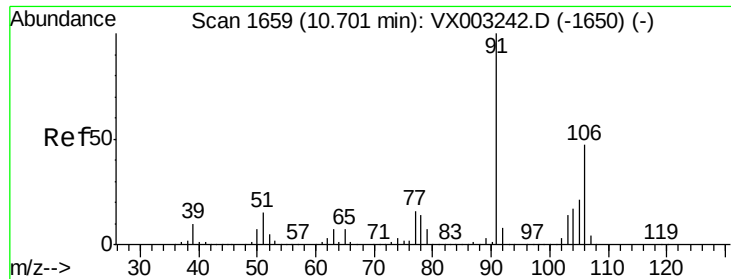
Tot Ion: 91 Resp: 759365
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 100.15 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 106 Resp: 599721
Ion Ratio Lower Upper
106 100
91 199.6 163.4 245.2

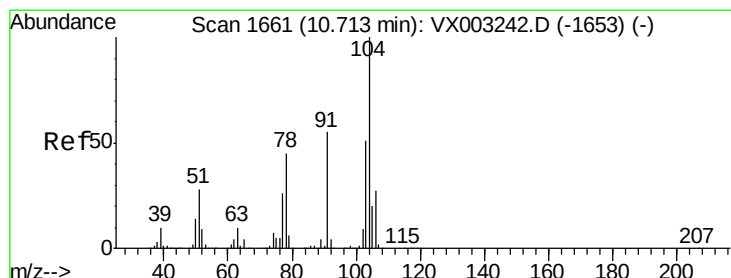
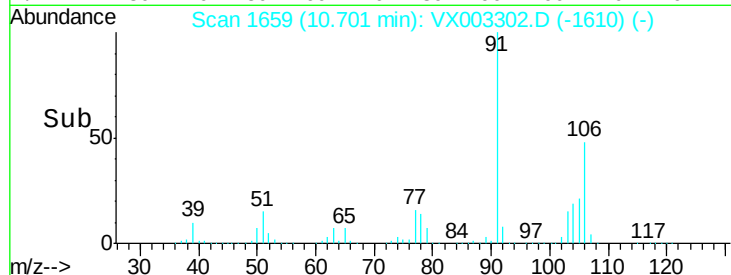
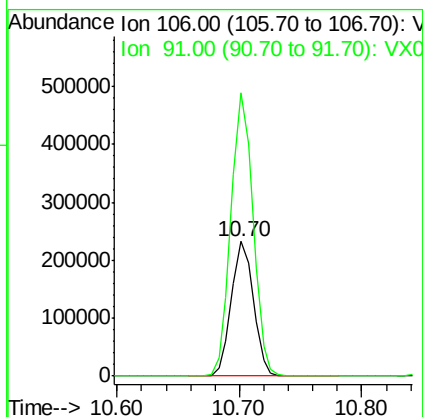
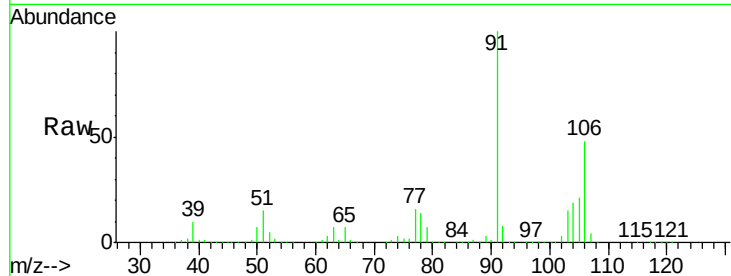




#69
o-Xylene
Concen: 50.04 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

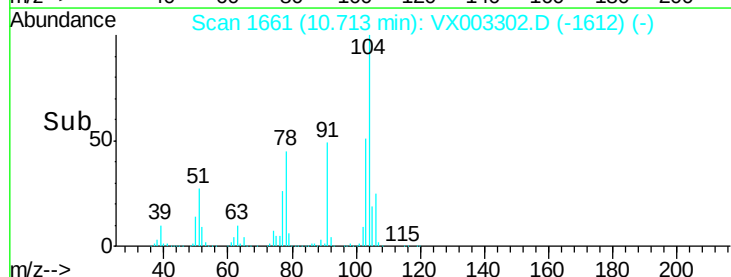
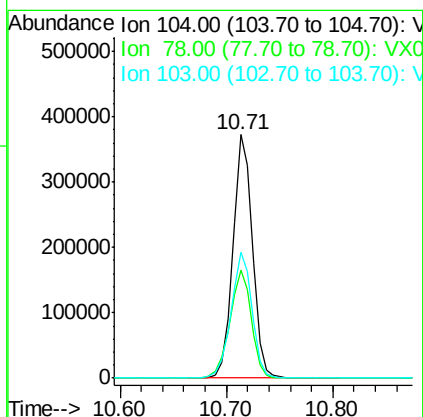
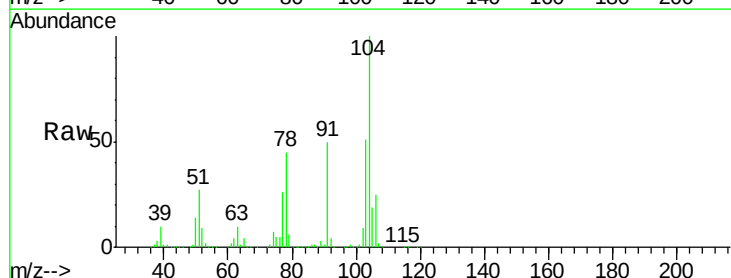
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

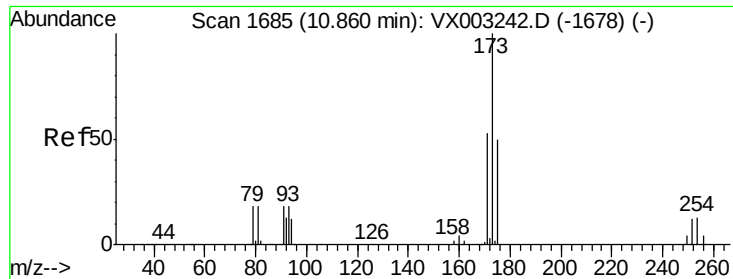
Tot Ion:106 Resp: 290306
Ion Ratio Lower Upper
106 100
91 209.7 108.2 324.6



#70
Styrene
Concen: 51.00 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion:104 Resp: 479754
Ion Ratio Lower Upper
104 100
78 48.9 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 50.12 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

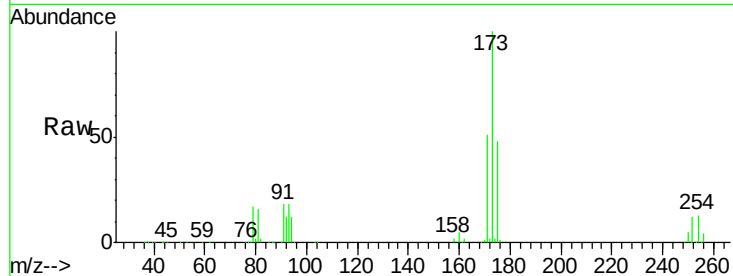
Tot Ion:173 Resp: 141627

Ion Ratio Lower Upper

173 100

175 48.3 24.7 74.1

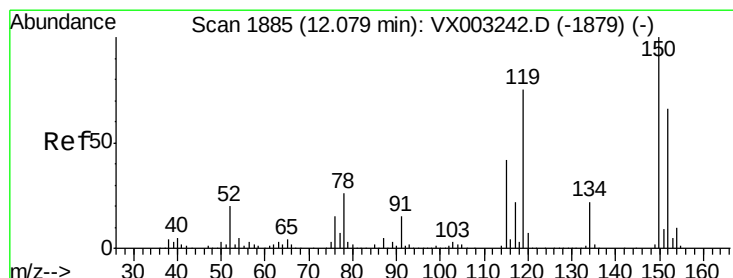
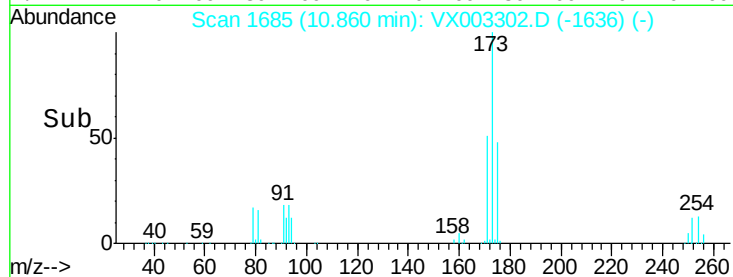
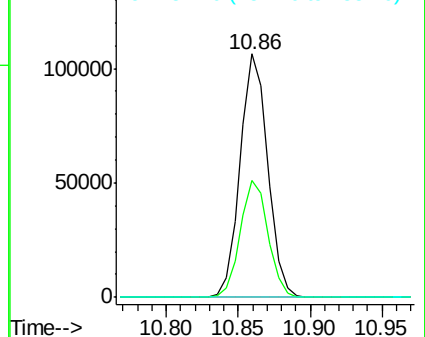
254 0.3 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

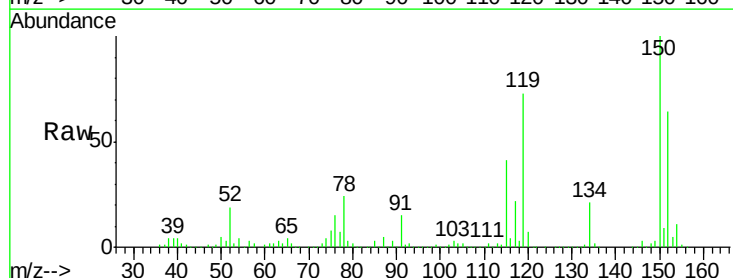
Tgt Ion:152 Resp: 203102

Ion Ratio Lower Upper

152 100

115 79.3 40.1 120.2

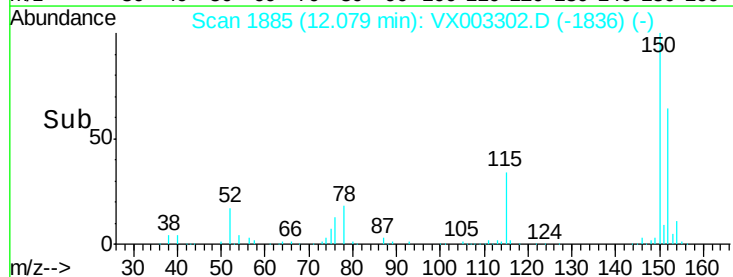
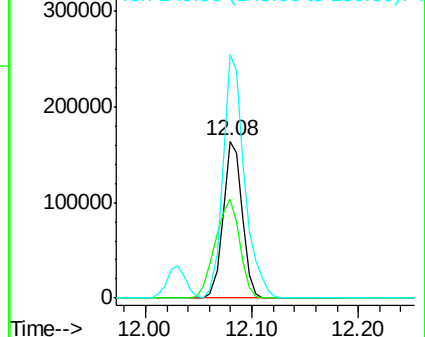
150 175.5 0.0 347.2

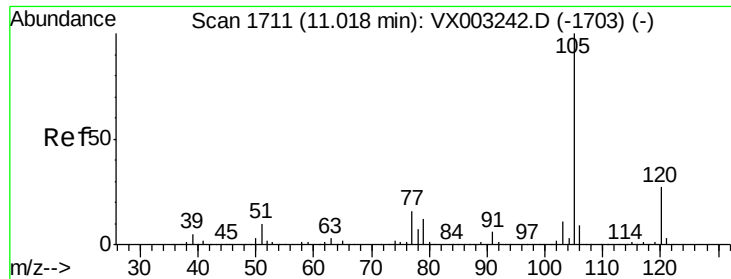


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

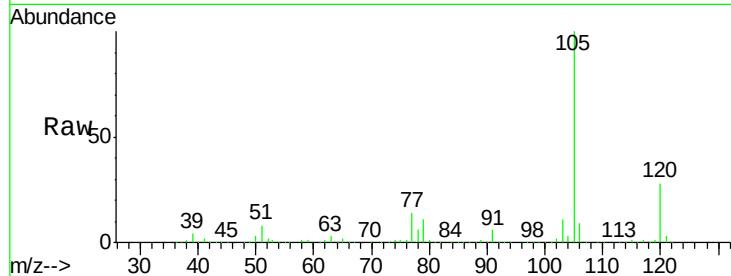
VSTDCCC050

Tot Ion:105 Resp: 774555

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

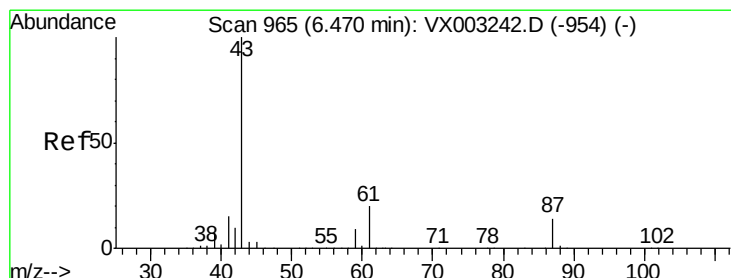
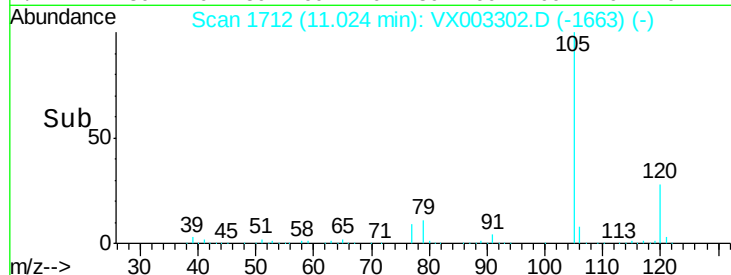
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 47.69 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Tgt Ion: 43 Resp: 364782

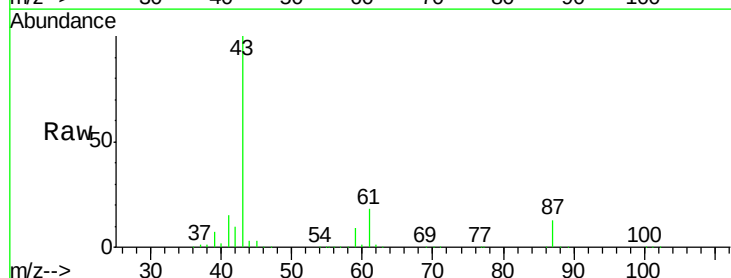
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.7 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

50000

0

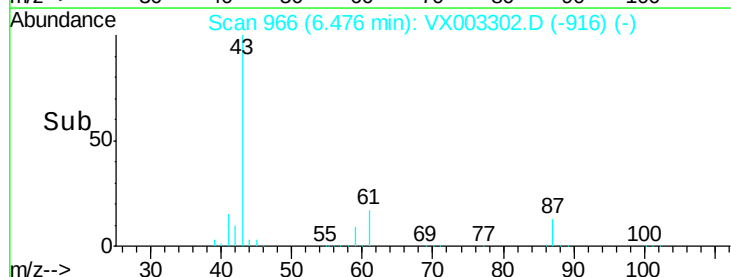
6.48

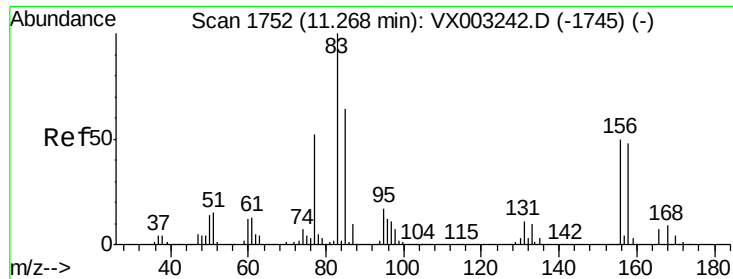
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.66 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

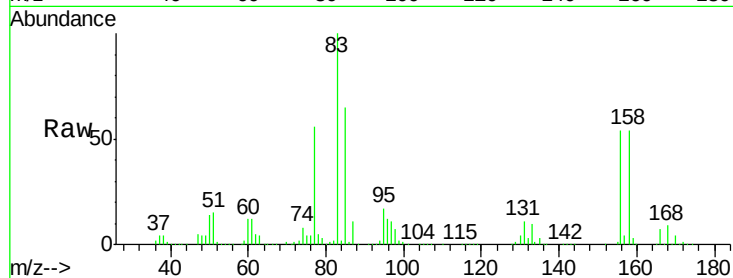
Tot Ion: 83 Resp: 227089

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

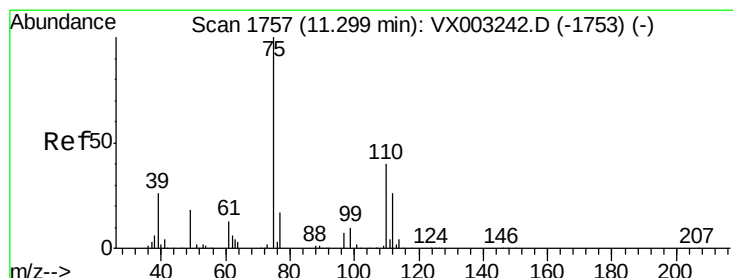
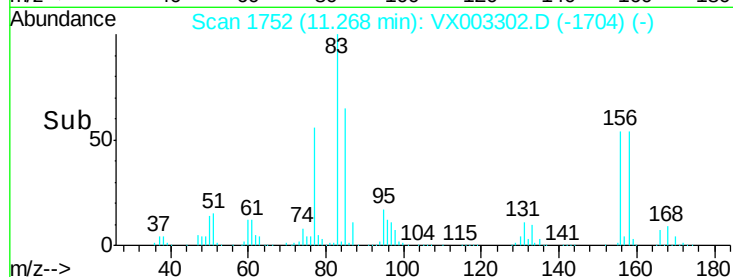
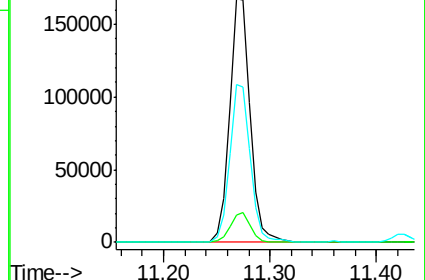
85 65.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.82 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003302.D

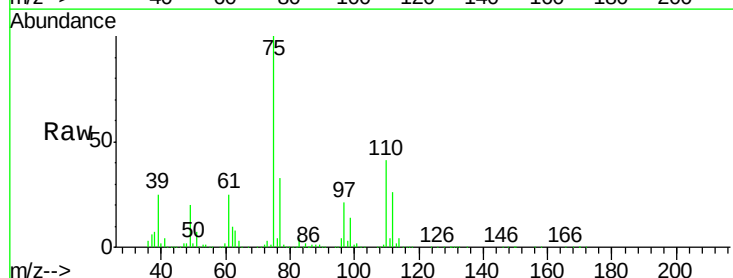
Acq: 10 Jul 2018 23:43

Tgt Ion: 75 Resp: 262567

Ion Ratio Lower Upper

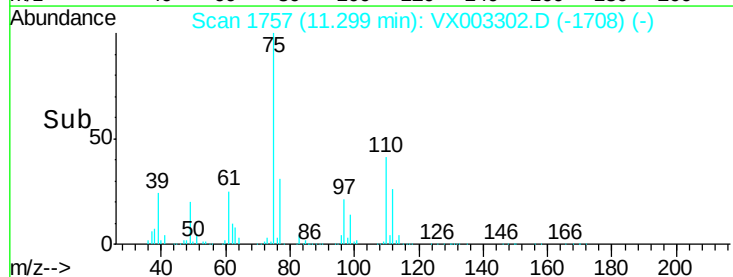
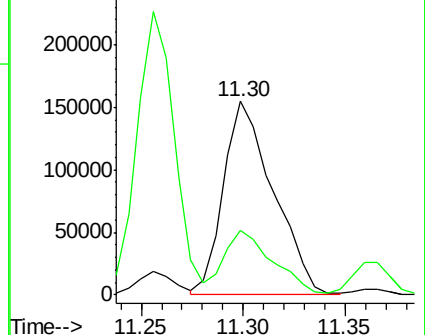
75 100

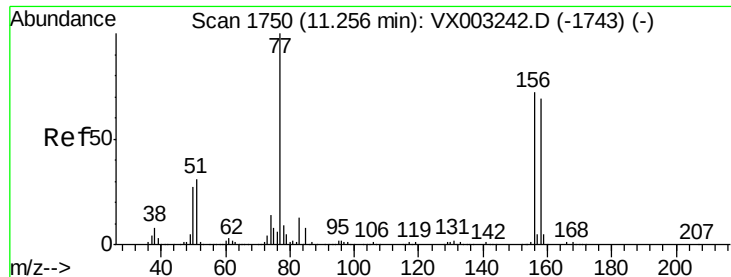
77 32.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.05 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

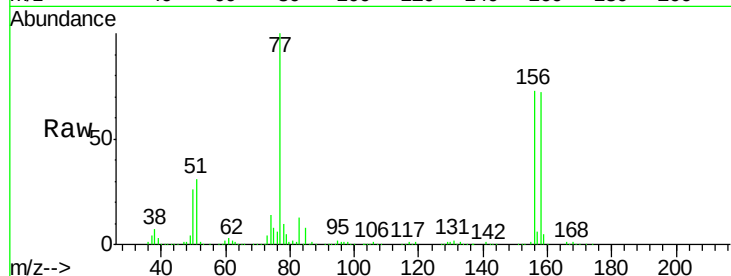
Tot Ion:156 Resp: 222474

Ion Ratio Lower Upper

156 100

77 129.7 71.4 214.2

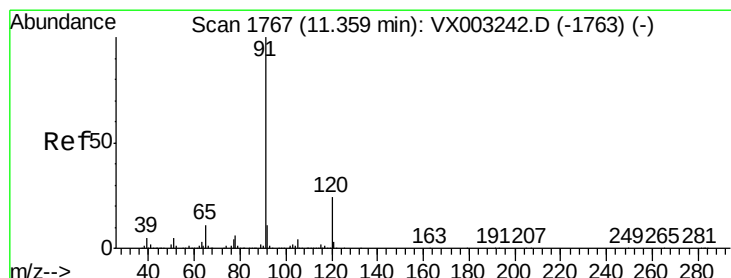
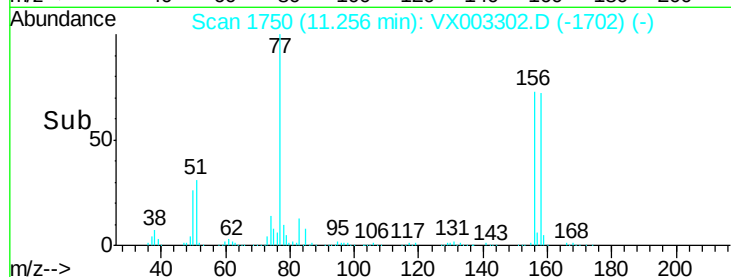
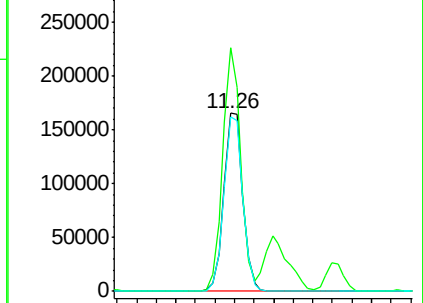
158 97.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.20 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003302.D

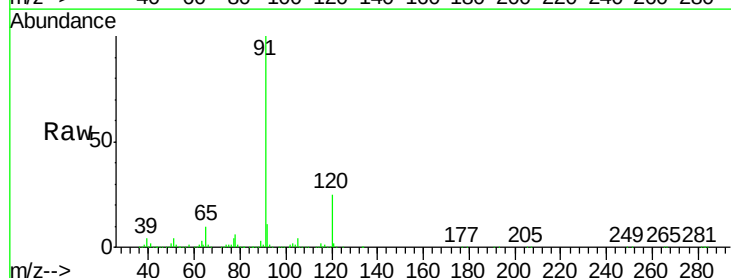
Acq: 10 Jul 2018 23:43

Tgt Ion: 91 Resp: 859290

Ion Ratio Lower Upper

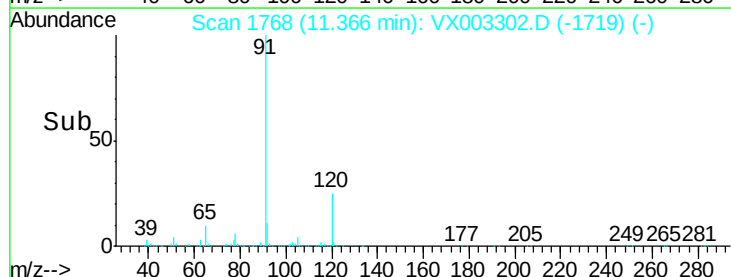
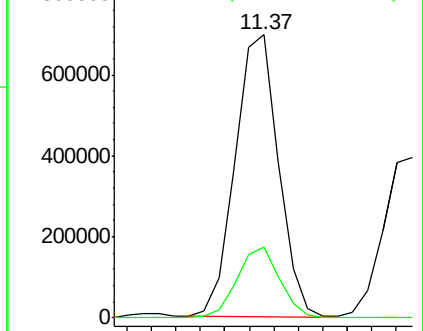
91 100

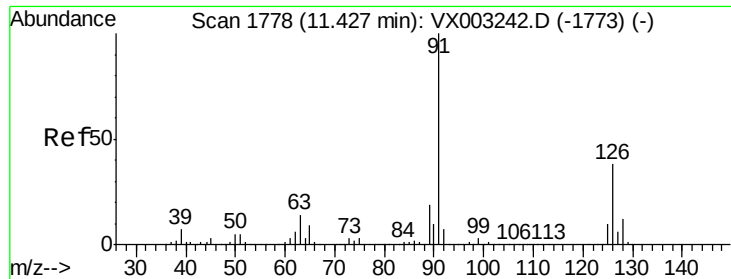
120 24.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

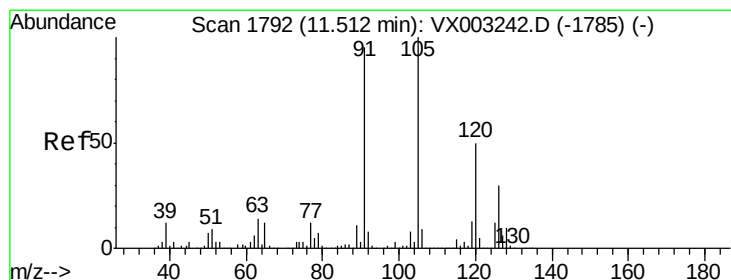
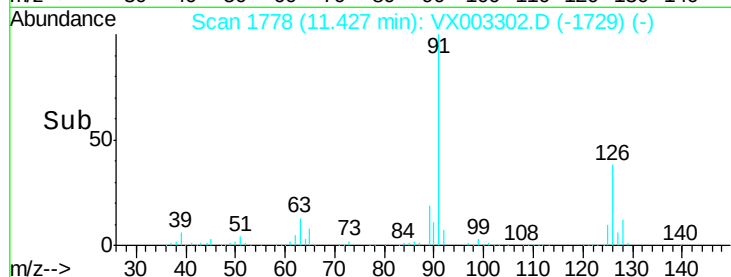
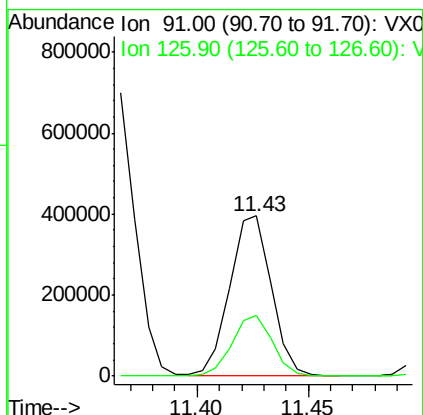
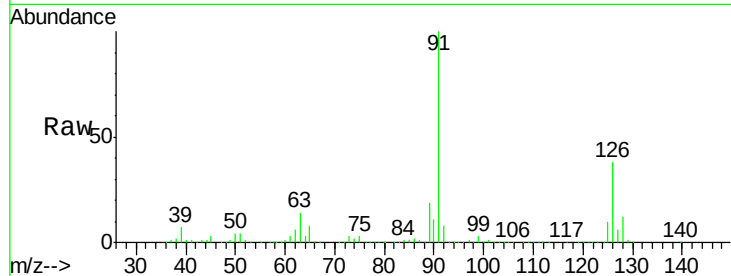




#79
 2-Chlorotoluene
 Concen: 47.26 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

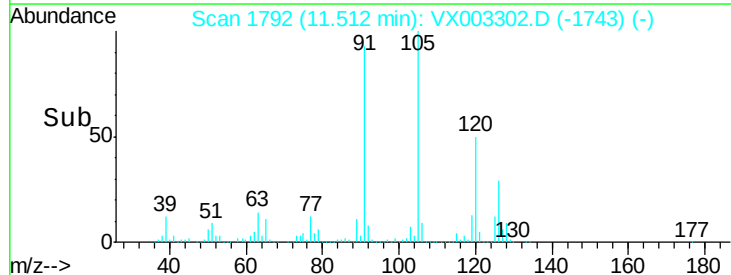
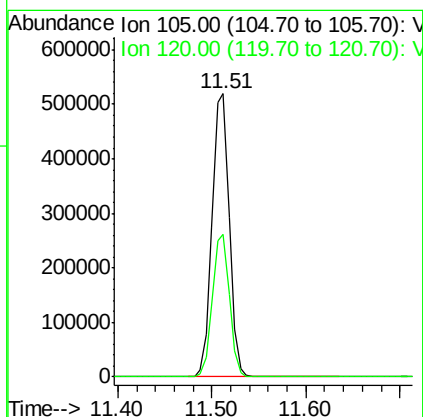
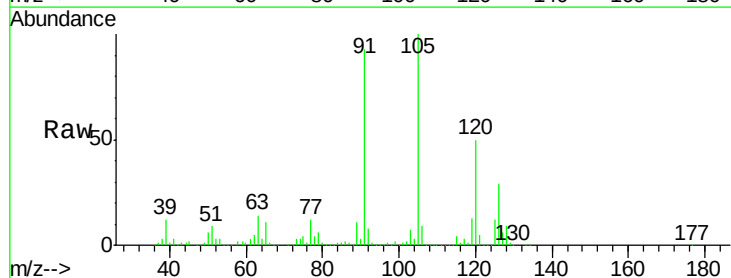
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

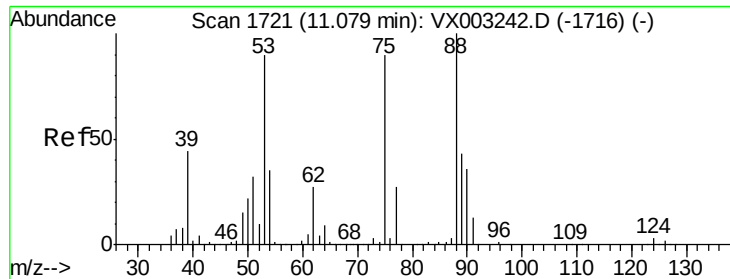
Tot Ion: 91 Resp: 513311
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.06 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 105 Resp: 655079
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.4 73.4

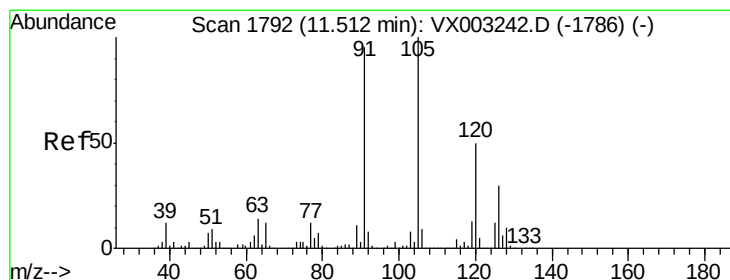
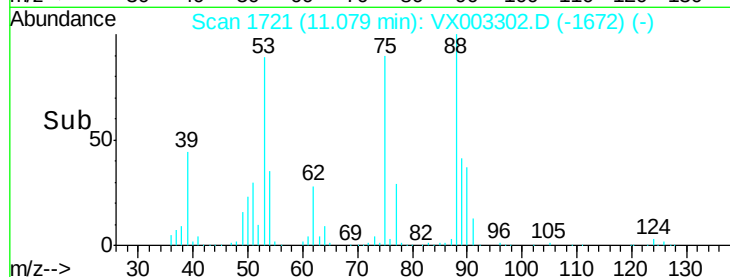
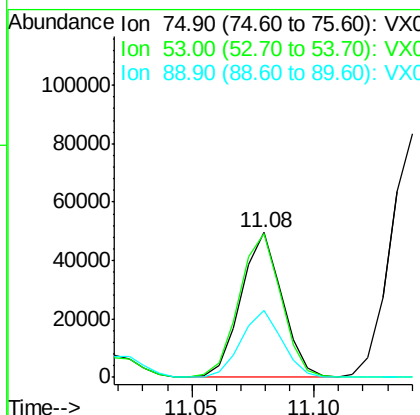
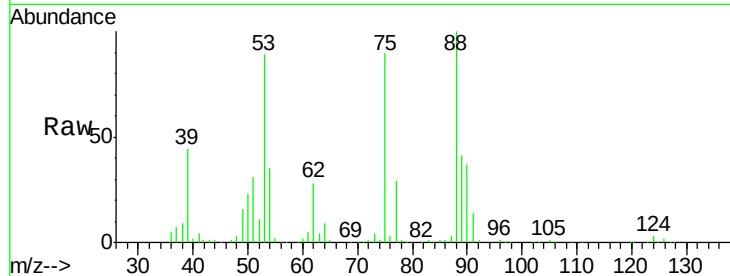




#81
trans-1,4-Dichloro-2-butene
Concen: 42.94 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

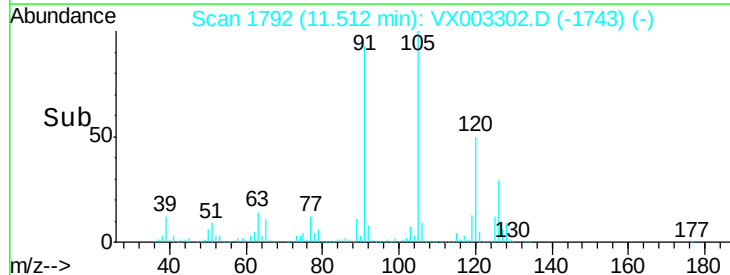
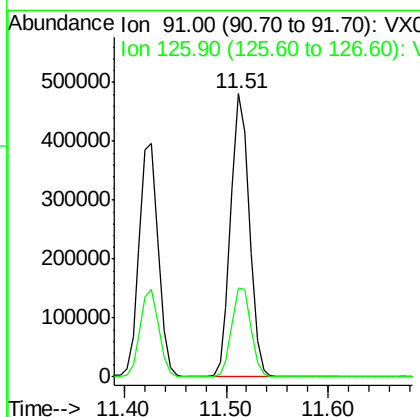
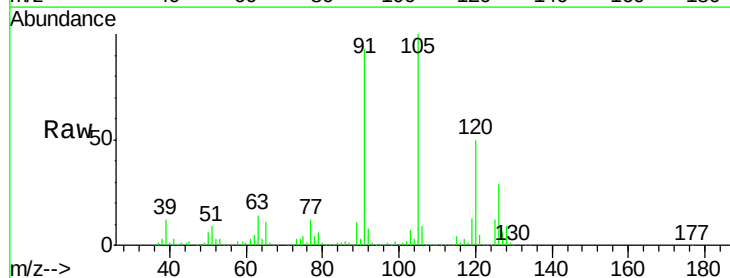
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

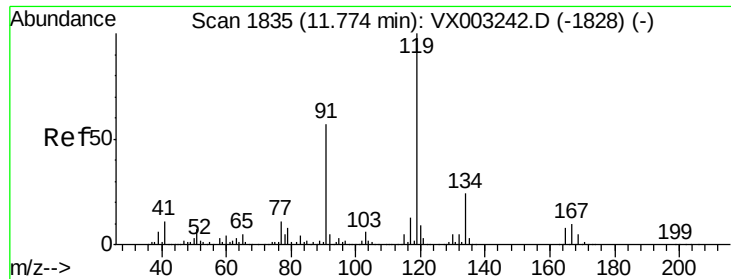
Tot Ion: 75 Resp: 57671
Ion Ratio Lower Upper
75 100
53 103.6 86.8 130.2
89 46.5 38.2 57.2



#82
4-Chlorotoluene
Concen: 47.75 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 91 Resp: 605568
Ion Ratio Lower Upper
91 100
126 32.4 15.4 46.4

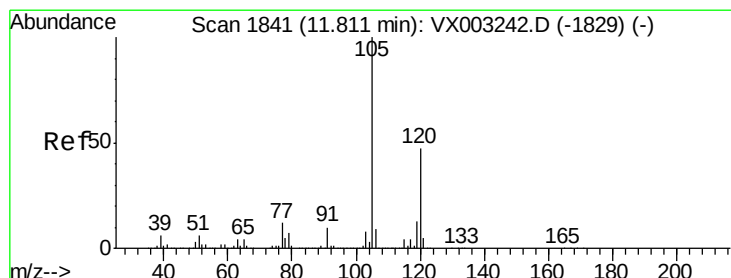
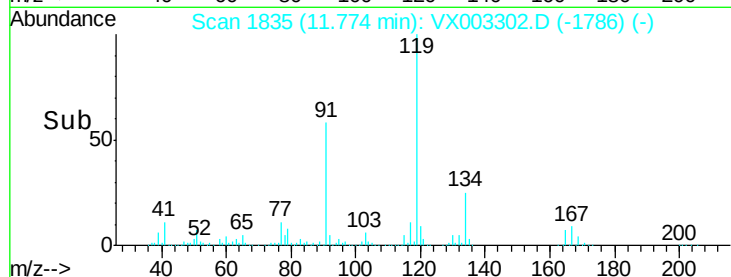
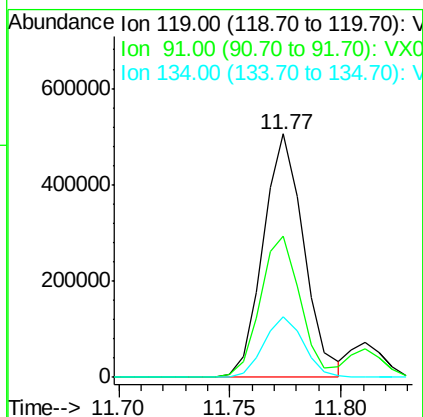
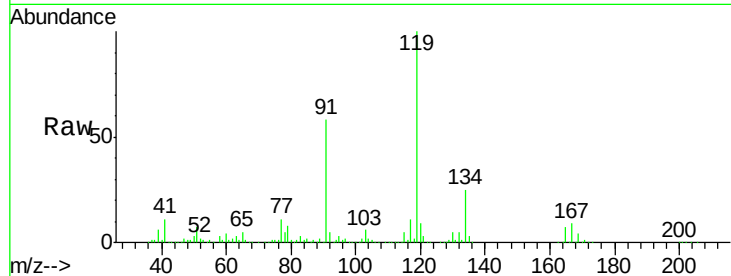




#83
 tert-Butylbenzene
 Concen: 48.10 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

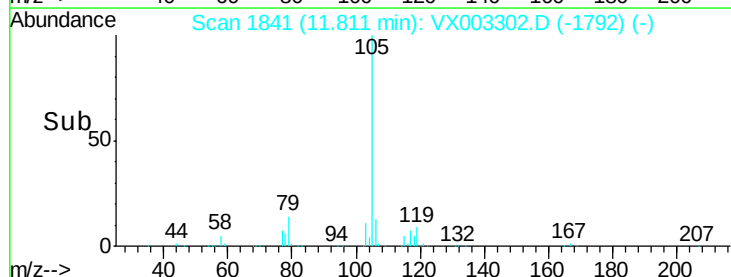
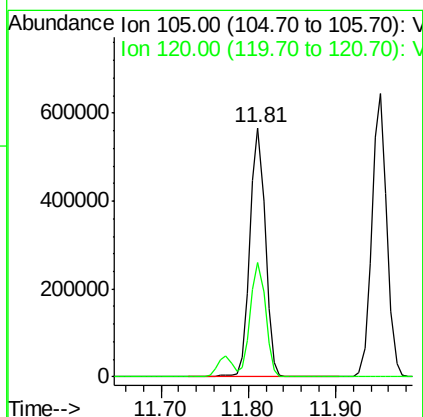
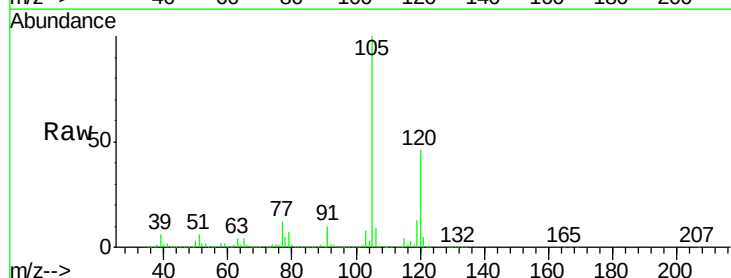
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

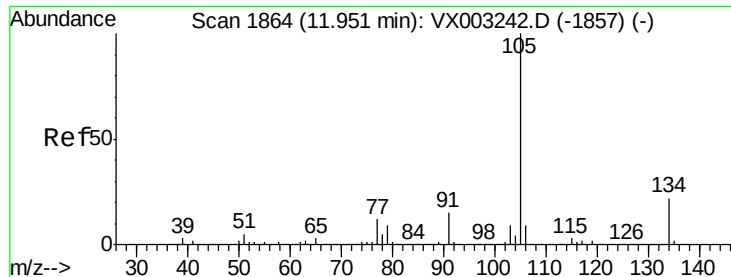
Tot Ion:119 Resp: 641572
 Ion Ratio Lower Upper
 119 100
 91 56.5 30.3 90.9
 134 24.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.93 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion:105 Resp: 682685
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.38 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

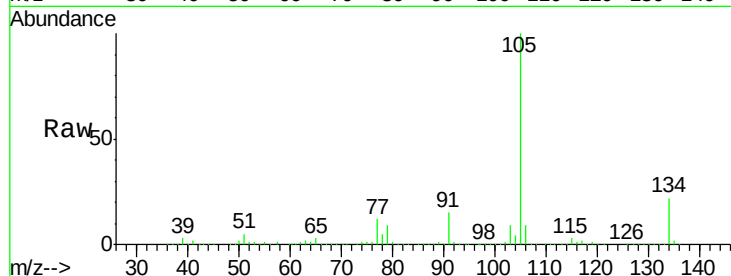
VSTDCCC050

Tot Ion:105 Resp: 778455

Ion Ratio Lower Upper

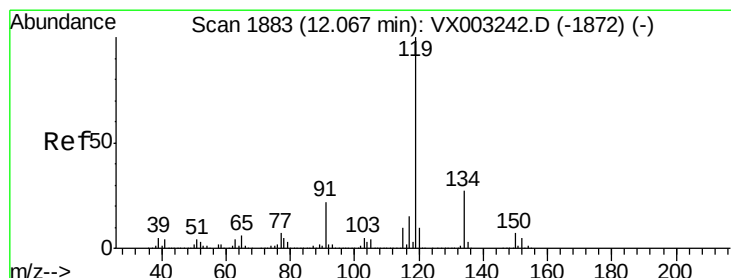
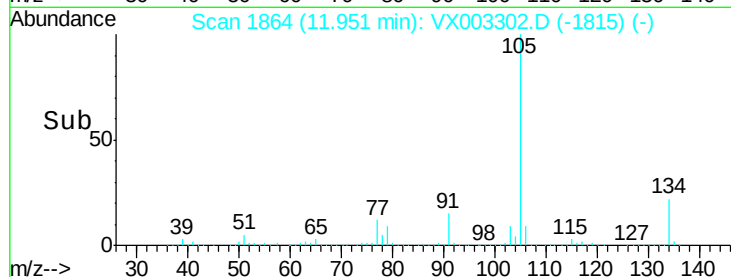
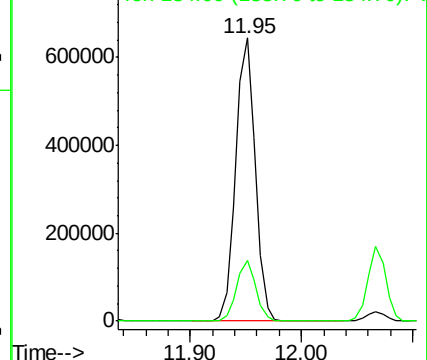
105 100

134 21.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.47 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

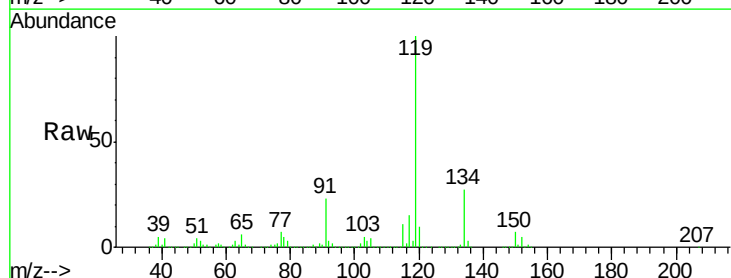
Tgt Ion:119 Resp: 710560

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

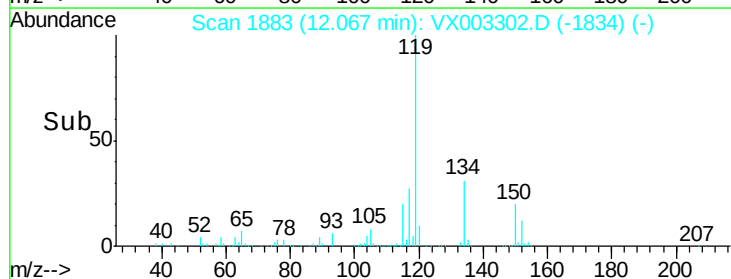
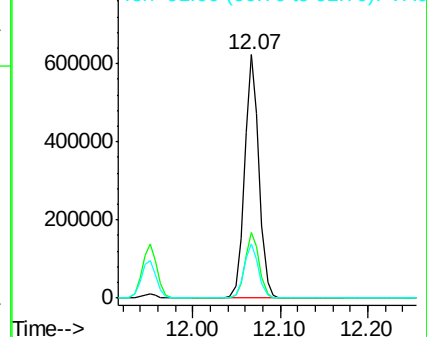
91 22.5 11.9 35.7

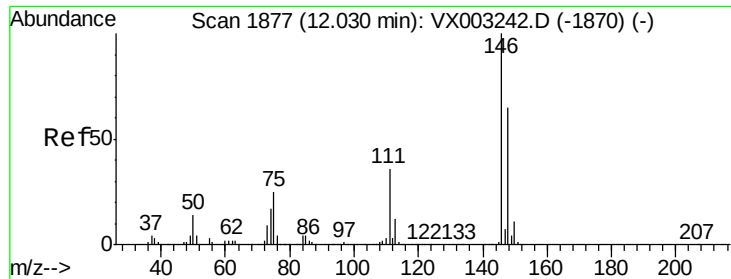


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.66 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

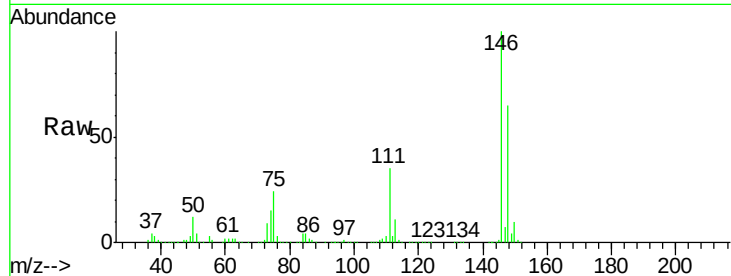
Tot Ion:146 Resp: 404812

Ion Ratio Lower Upper

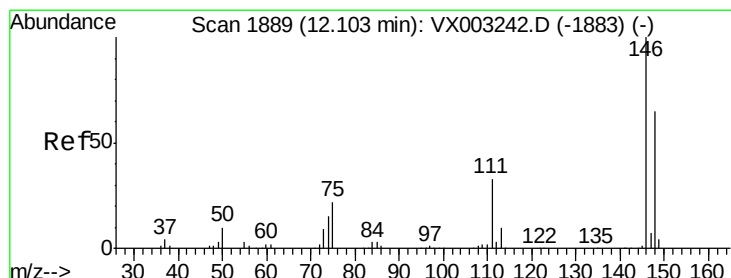
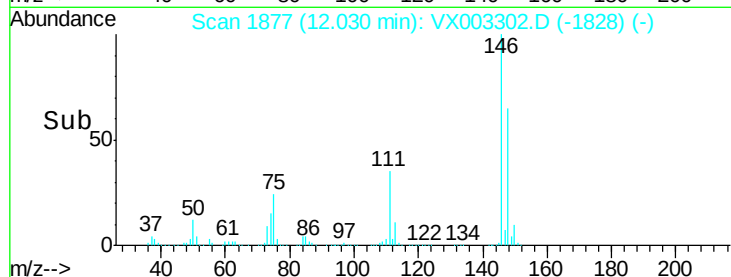
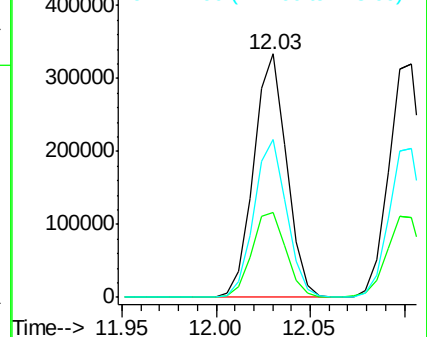
146 100

111 36.3 18.9 56.7

148 64.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.65 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

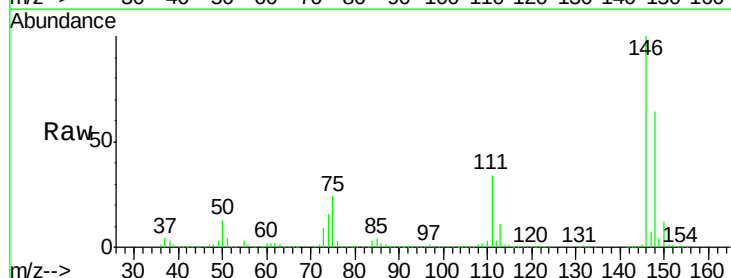
Tgt Ion:146 Resp: 409698

Ion Ratio Lower Upper

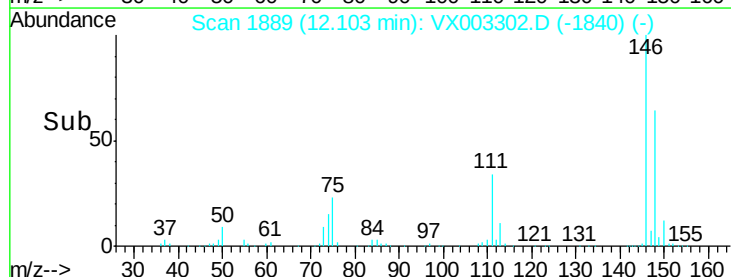
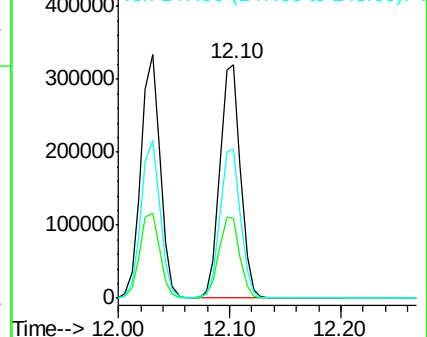
146 100

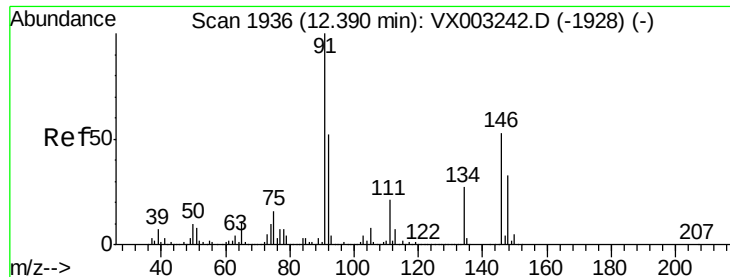
111 35.3 18.7 56.1

148 64.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

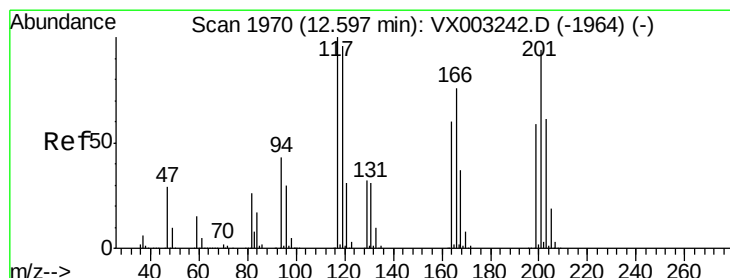
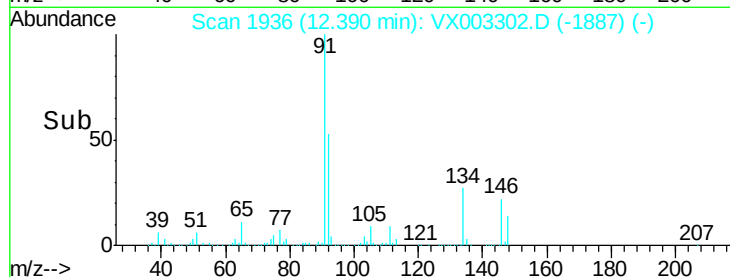
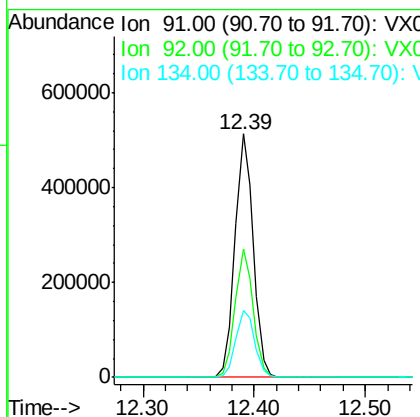
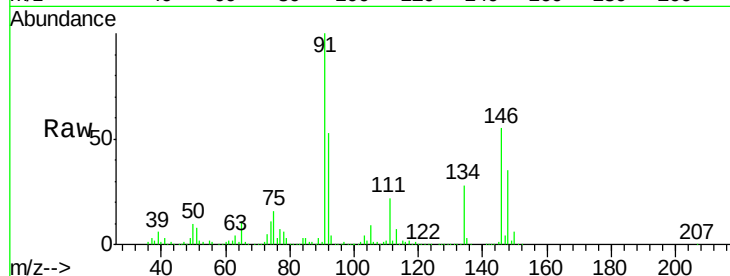




#89
n-Butylbenzene
Concen: 48.46 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

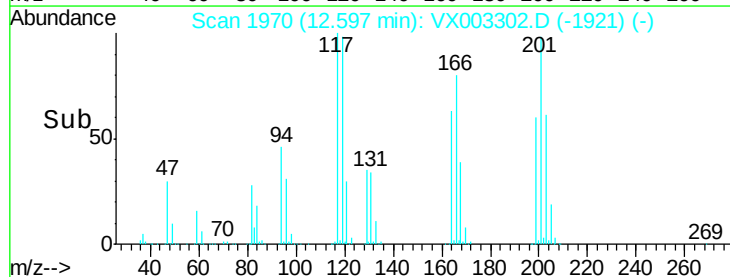
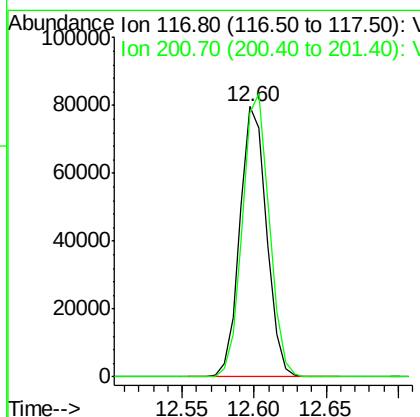
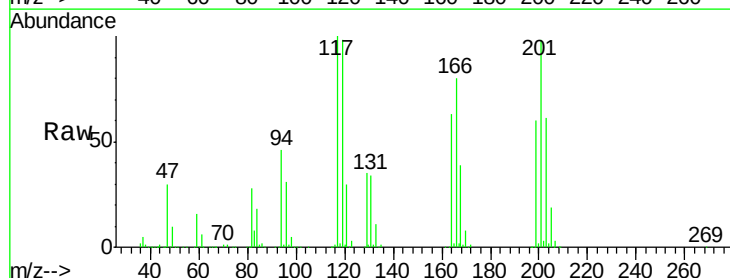
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

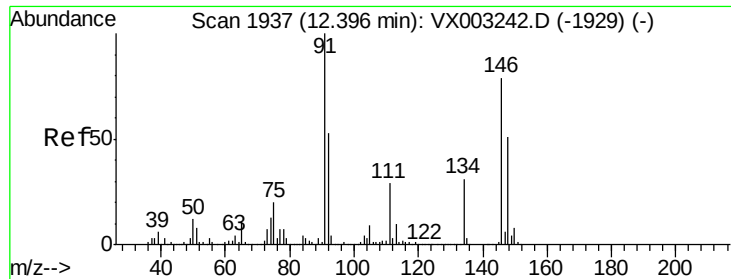
Tot Ion: 91 Resp: 581485
Ion Ratio Lower Upper
91 100
92 51.9 26.0 78.0
134 28.3 13.5 40.5



#90
Hexachloroethane
Concen: 46.68 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003302.D
Acq: 10 Jul 2018 23:43

Tgt Ion: 117 Resp: 102354
Ion Ratio Lower Upper
117 100
201 104.8 49.0 147.0

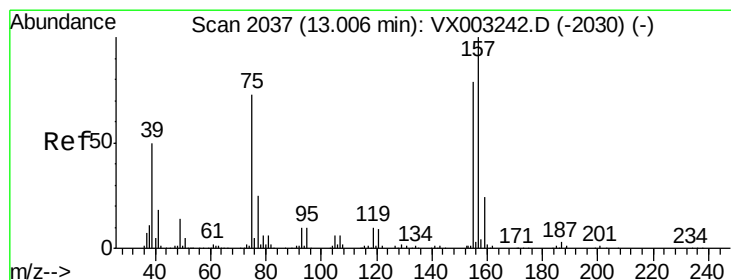
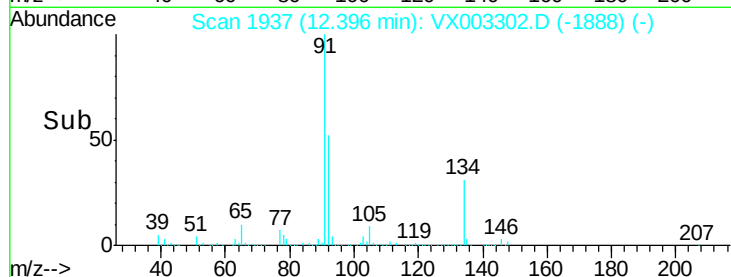
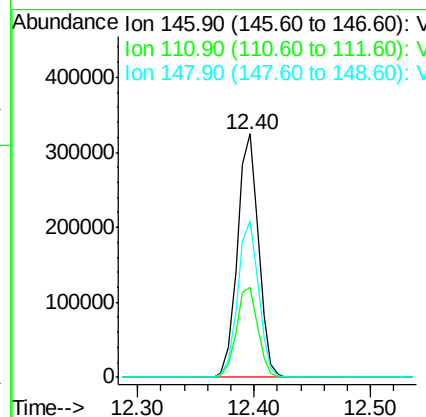
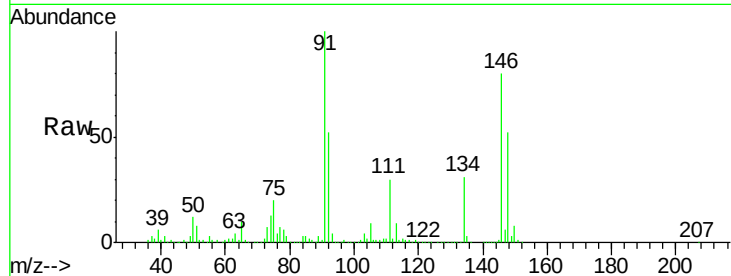




#91
 1,2-Dichlorobenzene
 Concen: 48.06 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

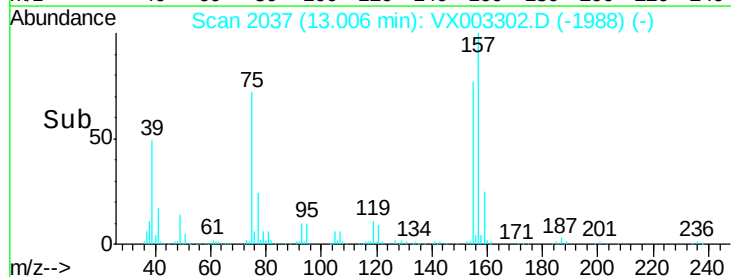
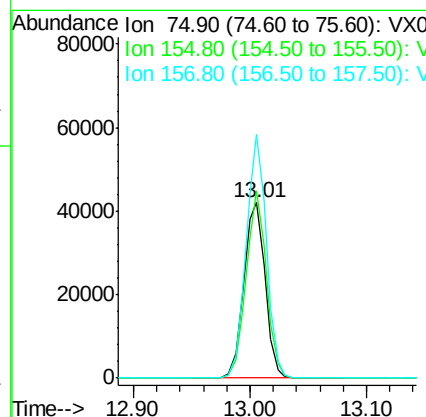
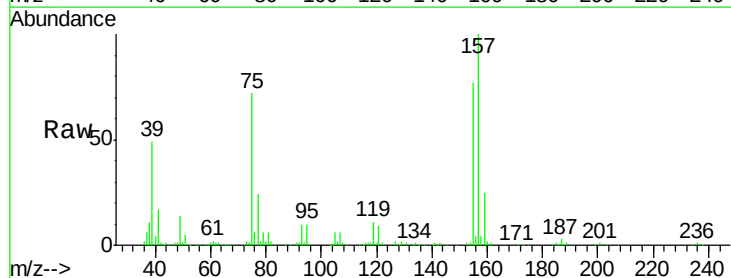
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

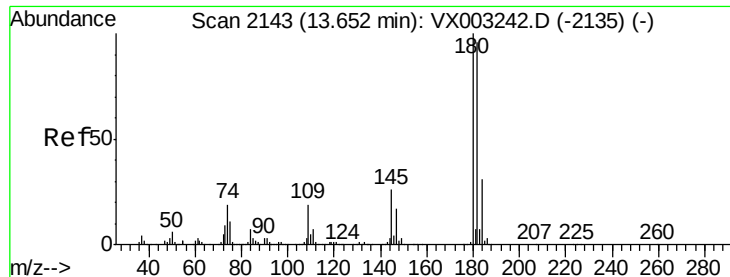
Tot Ion:146 Resp: 409855
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.4 58.1
 148 64.1 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.09 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion: 75 Resp: 53454
 Ion Ratio Lower Upper
 75 100
 155 101.5 45.8 137.4
 157 132.2 60.1 180.3

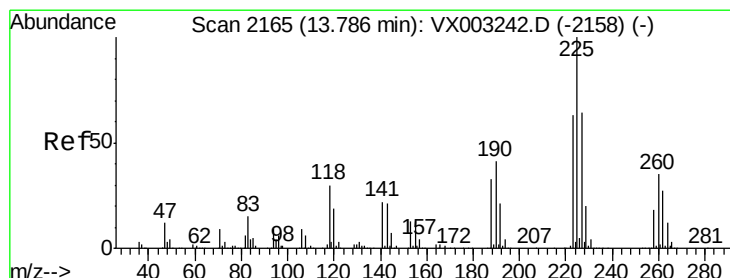
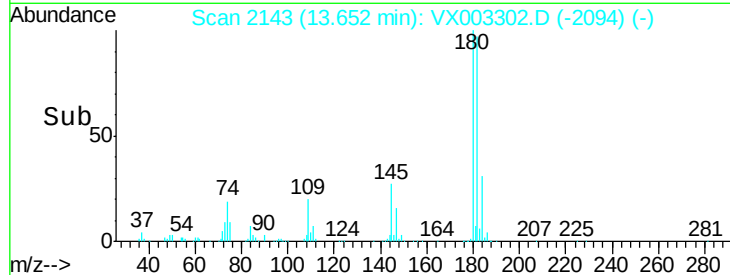
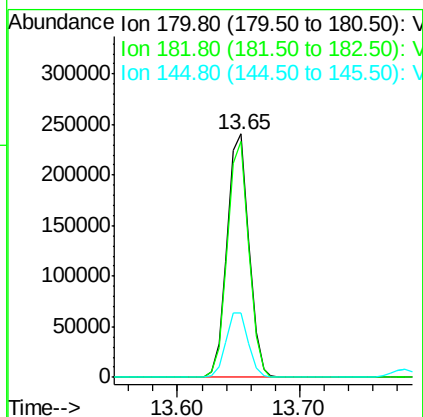
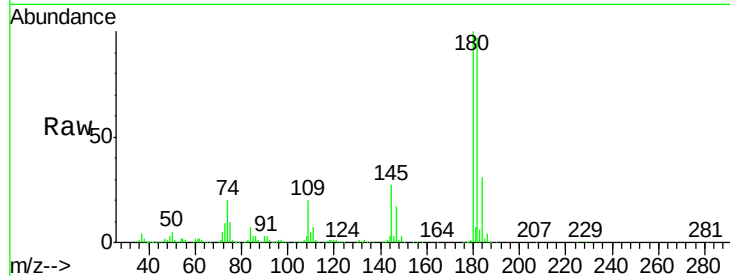




#93
 1,2,4-Trichlorobenzene
 Concen: 47.61 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

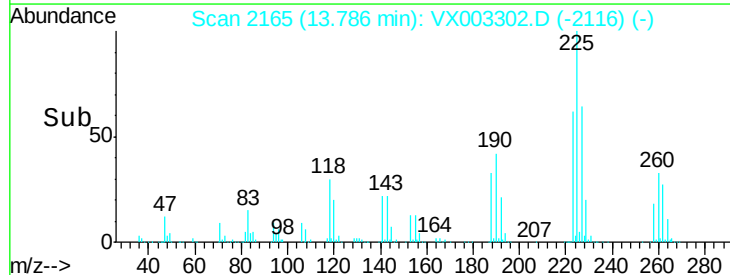
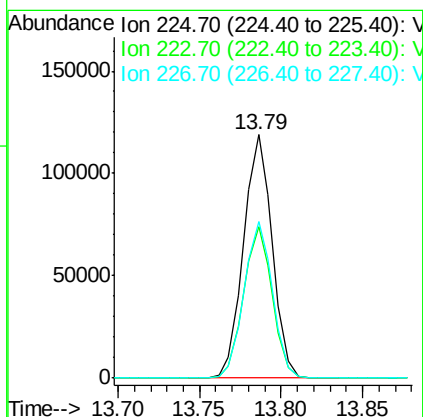
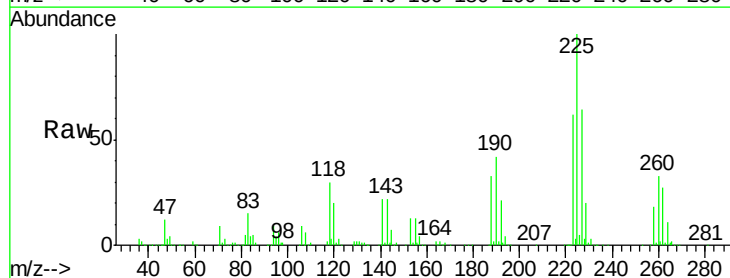
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

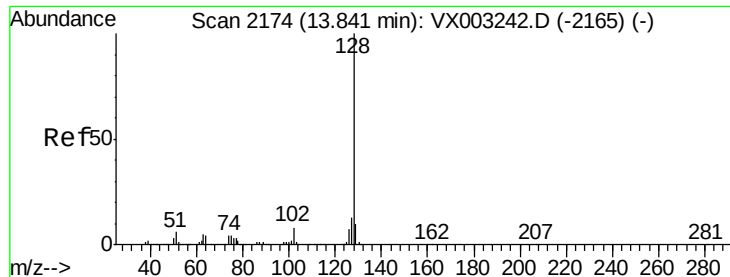
Tot Ion:180 Resp: 295522
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.7 143.1
 145 27.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.02 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003302.D
 Acq: 10 Jul 2018 23:43

Tgt Ion:225 Resp: 145273
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.6 95.0
 227 64.1 32.4 97.2





#95

Naphthalene

Concen: 52.19 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

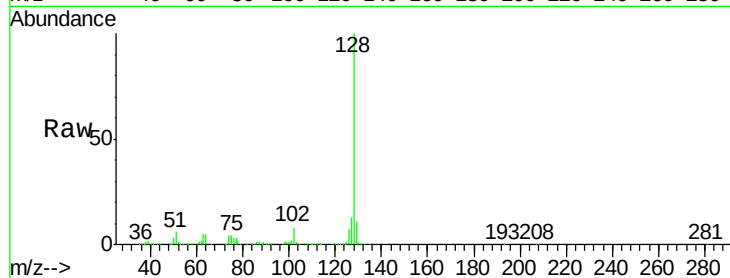
Tot Ion:128 Resp: 847471

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

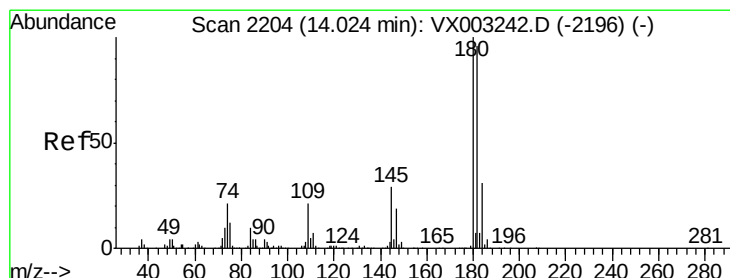
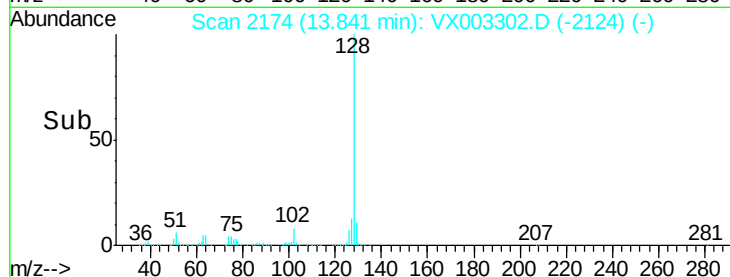
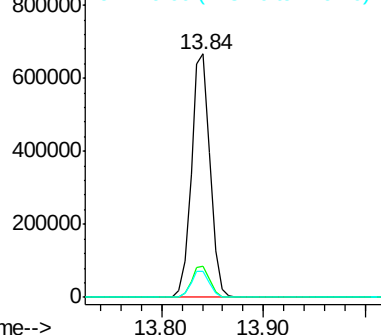
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.40 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

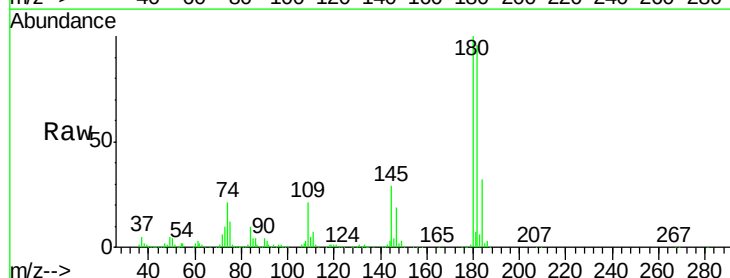
Tgt Ion:180 Resp: 305810

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

145 29.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

