

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX022519\
 Data File : VX007708.D
 Acq On : 26 Feb 2019 10:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 01 03:18:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	335238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	531280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	492523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246155	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	195522	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	5.50	113	171531	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	8.71	98	659477	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	11.13	95	237430	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	155573	50.377	ug/l	96
3) Chloromethane	1.33	50	163956	47.910	ug/l	100
4) Vinyl Chloride	1.41	62	170306	48.507	ug/l	100
5) Bromomethane	1.64	94	111275	50.327	ug/l	98
6) Chloroethane	1.72	64	111923	49.896	ug/l	97
7) Trichlorofluoromethane	1.93	101	263973	49.044	ug/l	98
8) Diethyl Ether	2.19	74	104805	47.446	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	150745	46.338	ug/l	93
10) Methyl Iodide	2.51	142	216409	53.424	ug/l	97
11) Tert butyl alcohol	3.07	59	192528	244.362	ug/l	98
12) 1,1-Dichloroethene	2.37	96	143917	49.078	ug/l	94
13) Acrolein	2.30	56	46029	65.744	ug/l	96
14) Allyl chloride	2.73	41	246970	45.549	ug/l	97
15) Acrylonitrile	3.15	53	454089	244.908	ug/l	99
16) Acetone	2.45	43	410035	222.044	ug/l	100
17) Carbon Disulfide	2.57	76	405818	49.744	ug/l	99
18) Methyl Acetate	2.78	43	207886	51.590	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	500668	49.029	ug/l	100
20) Methylene Chloride	2.85	84	163324	47.898	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	155442	48.760	ug/l	94
22) Diisopropyl ether	3.87	45	543245	48.129	ug/l	96
23) Vinyl Acetate	3.82	43	2319034	234.178	ug/l	99
24) 1,1-Dichloroethane	3.70	63	297025	48.420	ug/l	99
25) 2-Butanone	4.70	43	668936	237.810	ug/l	100
26) 2,2-Dichloropropane	4.58	77	130703	26.692	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	194022	47.832	ug/l	96
28) Bromochloromethane	5.02	49	139608	46.749	ug/l	94
29) Tetrahydrofuran	5.15	42	443908	239.408	ug/l	99
30) Chloroform	5.21	83	315853	48.068	ug/l	98
31) Cyclohexane	5.57	56	272927	47.299	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	269090	49.517	ug/l	98
36) 1,1-Dichloropropene	5.80	75	232139	48.601	ug/l	99
37) Ethyl Acetate	4.85	43	254977	48.056	ug/l	99
38) Carbon Tetrachloride	5.78	117	239070	49.828	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	284089	47.061	ug/l	96
40) Benzene	6.14	78	724074	49.108	ug/l	99
41) Methacrylonitrile	5.06	41	140961	49.753	ug/l	99
42) 1,2-Dichloroethane	6.20	62	239369	48.301	ug/l	99
43) Isopropyl Acetate	6.46	43	405359	49.640	ug/l	100
44) Trichloroethene	7.21	130	197878	48.786	ug/l	99
45) 1,2-Dichloropropane	7.51	63	183844	48.134	ug/l	100
46) Dibromomethane	7.66	93	126904	47.626	ug/l	93
47) Bromodichloromethane	7.90	83	232338	50.316	ug/l	99
48) Methyl methacrylate	7.77	41	208158	48.630	ug/l	99
49) 1,4-Dioxane	7.75	88	89711	970.371	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1358756	248.579	ug/l	100
52) Toluene	8.78	92	466288	50.151	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	235721	41.563	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	260126	46.421	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	190989	49.260	ug/l	99
56) Ethyl methacrylate	9.18	69	280029	50.789	ug/l	100
57) 1,3-Dichloropropane	9.37	76	305293	49.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	736593	242.263	ug/l	99
59) 2-Hexanone	9.49	43	1034778	241.130	ug/l	99
60) Dibromochloromethane	9.58	129	197585	52.962	ug/l	99
61) 1,2-Dibromoethane	9.67	107	204469	50.794	ug/l	99
64) Tetrachloroethene	9.34	164	203695	50.944	ug/l	96
65) Chlorobenzene	10.14	112	518694	48.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	187412	50.437	ug/l	98
67) Ethyl Benzene	10.25	91	887947	50.320	ug/l	100
68) m/p-Xylenes	10.36	106	688347	100.271	ug/l	99
69) o-Xylene	10.69	106	332578	50.366	ug/l	97
70) Styrene	10.71	104	547656	50.458	ug/l	99
71) Bromoform	10.86	173	138668	49.767	ug/l	99
73) Isopropylbenzene	11.02	105	895675	50.911	ug/l	99
74) N-amyl acetate	10.90	43	377456	49.406	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	282741	46.466	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	314334	59.908	ug/l	80
77) Bromobenzene	11.26	156	225557	51.115	ug/l	93
78) n-propylbenzene	11.36	91	1034417	52.032	ug/l	98
79) 2-Chlorotoluene	11.42	91	599481	50.080	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	737021	50.930	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	71385	37.273	ug/l	94
82) 4-Chlorotoluene	11.51	91	703431	50.233	ug/l	97
83) tert-Butylbenzene	11.77	119	707608	50.927	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	762804	51.532	ug/l	98
85) sec-Butylbenzene	11.94	105	903437	51.888	ug/l	98
86) p-Isopropyltoluene	12.06	119	789182	51.756	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	406151	49.621	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	412541	49.213	ug/l	98
89) n-Butylbenzene	12.38	91	688355	50.620	ug/l	99
90) Hexachloroethane	12.60	117	131929	51.350	ug/l	86
91) 1,2-Dichlorobenzene	12.39	146	401138	48.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61276	46.218	ug/l	89

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QLast Update : Tue Feb 26 01:53:13 2019
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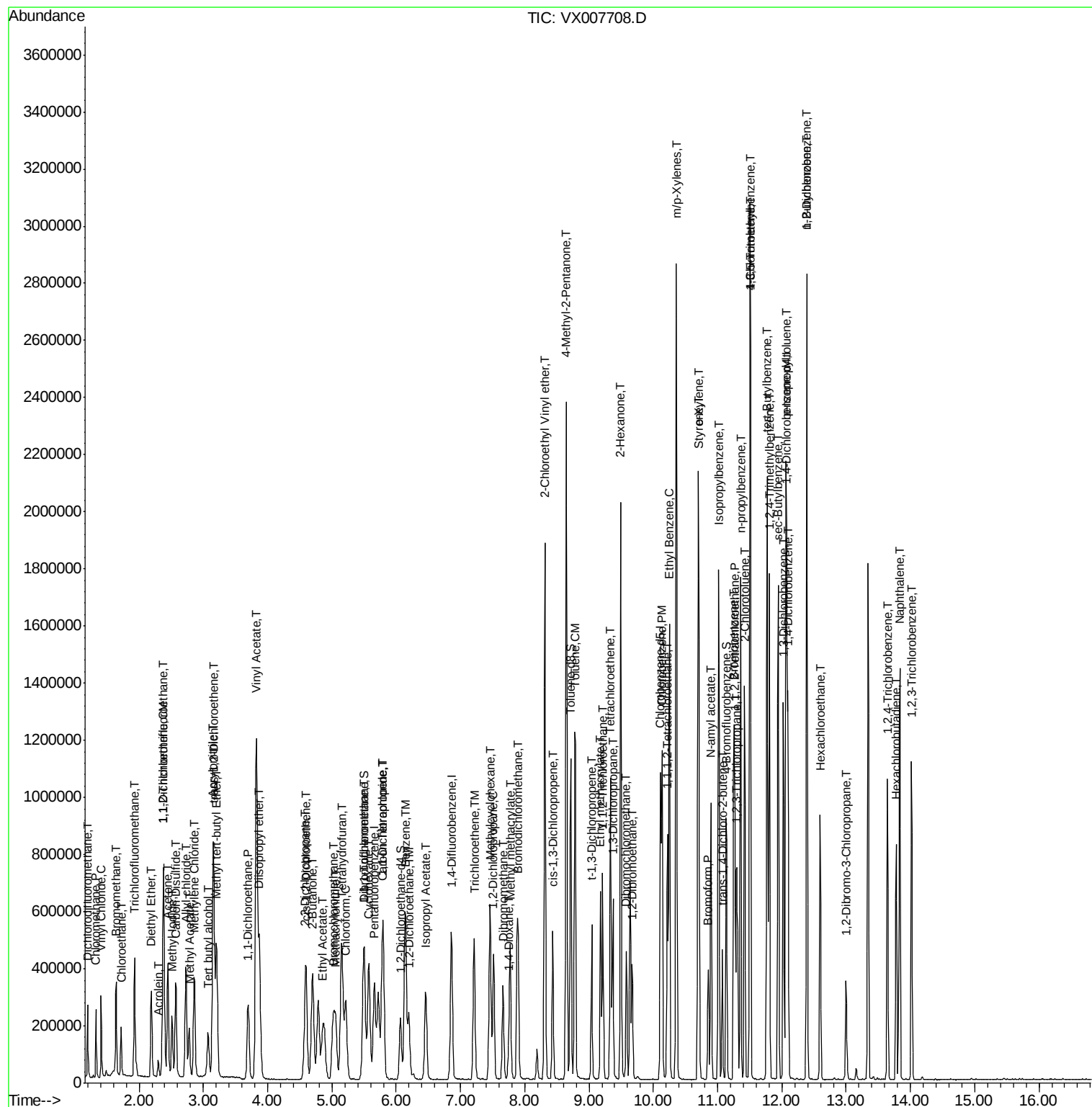
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	254009	50.811	ug/l	98
94) Hexachlorobutadiene	13.78	225	110388	48.269	ug/l	100
95) Naphthalene	13.83	128	861781	53.208	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	259899	51.777	ug/l	98

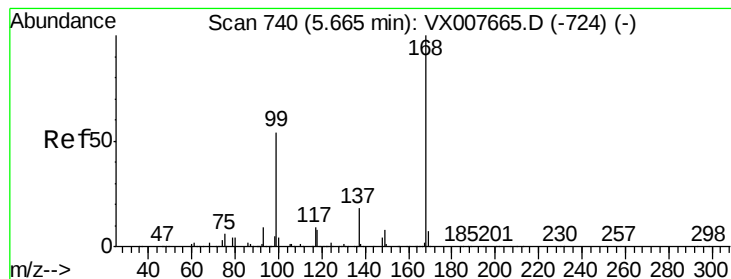
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

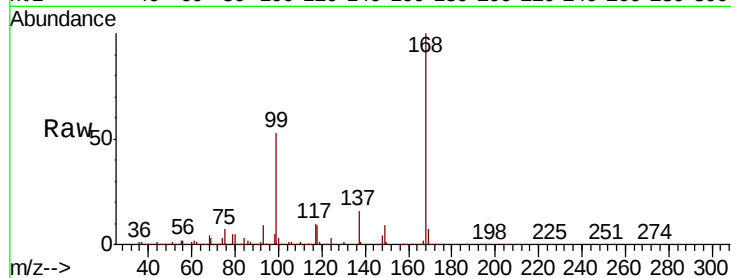
VSTDCCC050EC

Tot Ion:168 Resp: 335238

Ion Ratio Lower Upper

168 100

99 53.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

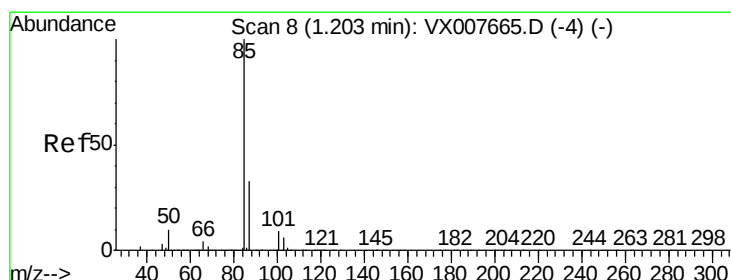
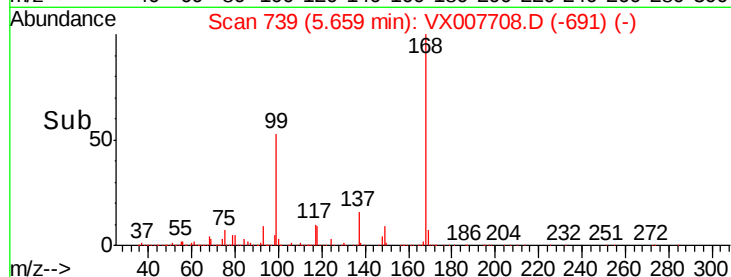
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.377 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007708.D

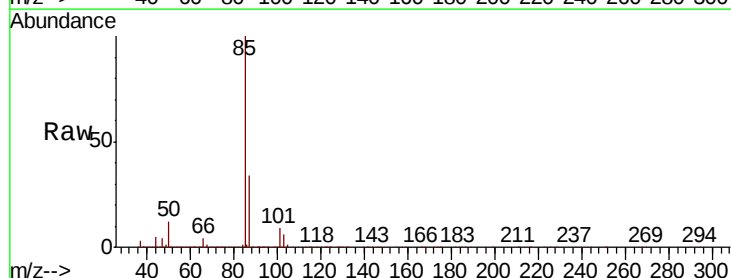
Acq: 26 Feb 2019 10:56

Tgt Ion: 85 Resp: 155573

Ion Ratio Lower Upper

85 100

87 33.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

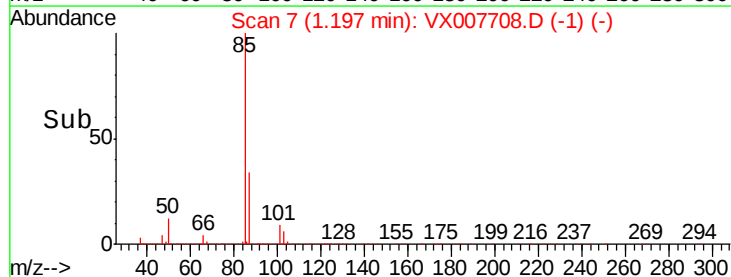
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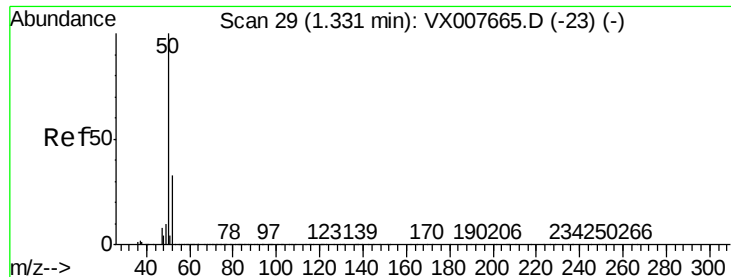
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.910 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

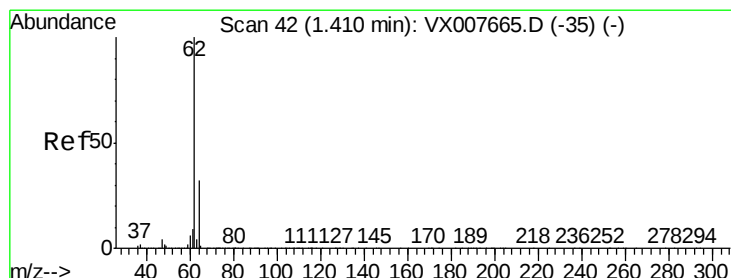
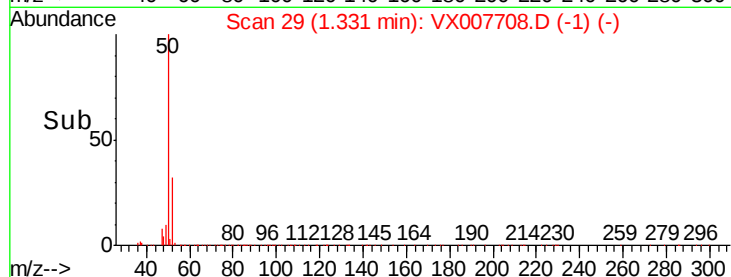
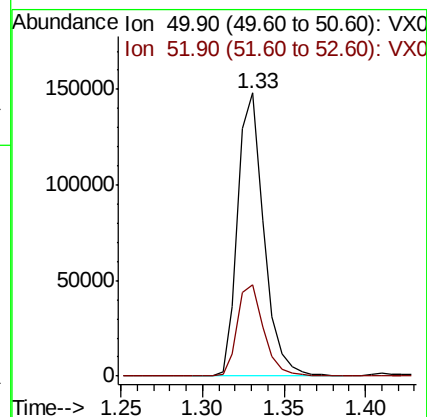
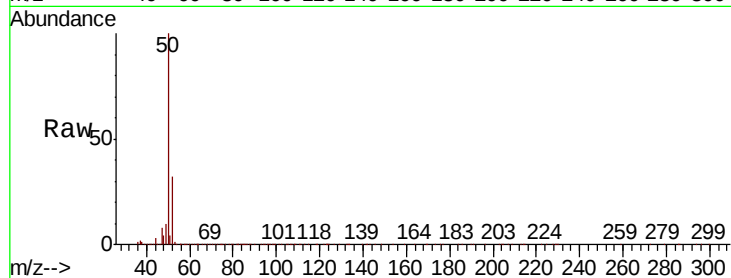
VSTDCCC050EC

Tot Ion: 50 Resp: 163956

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 48.507 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007708.D

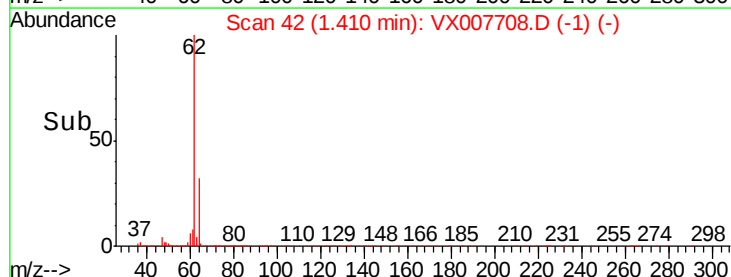
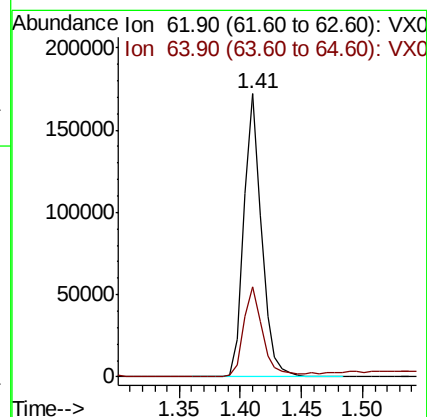
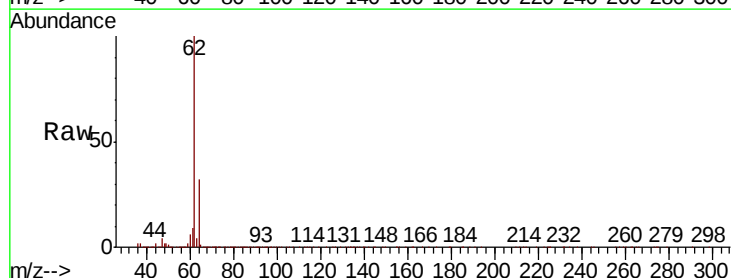
Acq: 26 Feb 2019 10:56

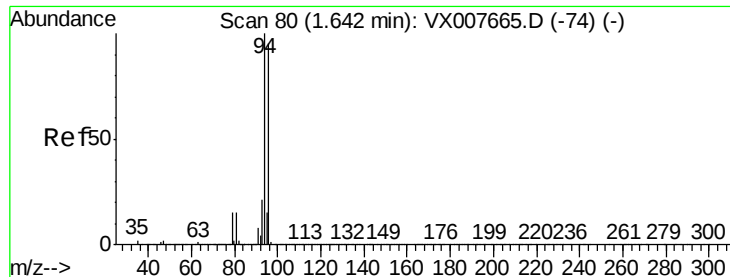
Tgt Ion: 62 Resp: 170306

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 50.327 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

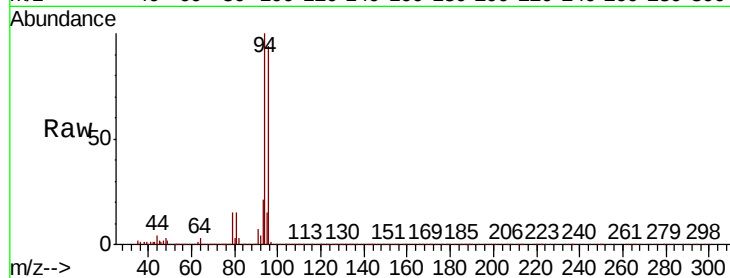
VSTDCCC050EC

Tot Ion: 94 Resp: 111275

Ion Ratio Lower Upper

94 100

96 94.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

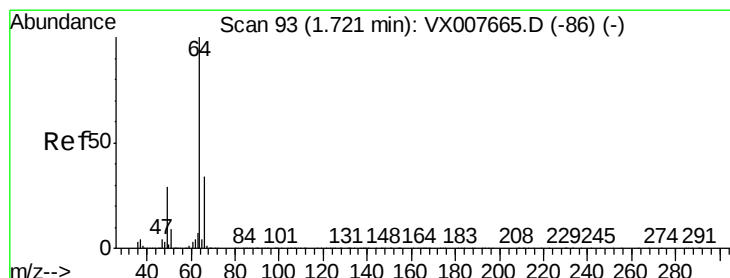
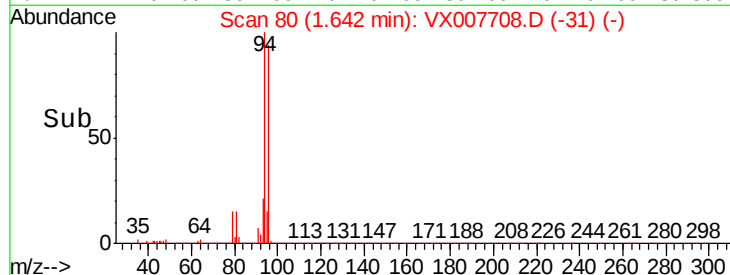
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.896 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007708.D

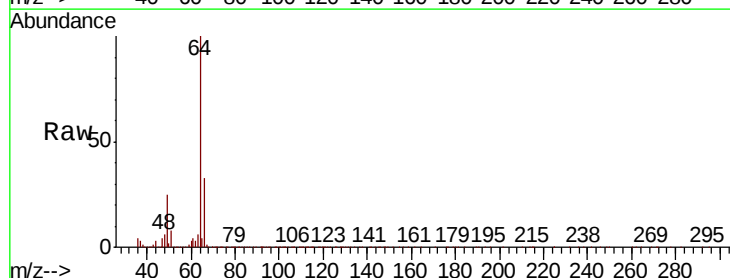
Acq: 26 Feb 2019 10:56

Tgt Ion: 64 Resp: 111923

Ion Ratio Lower Upper

64 100

66 33.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

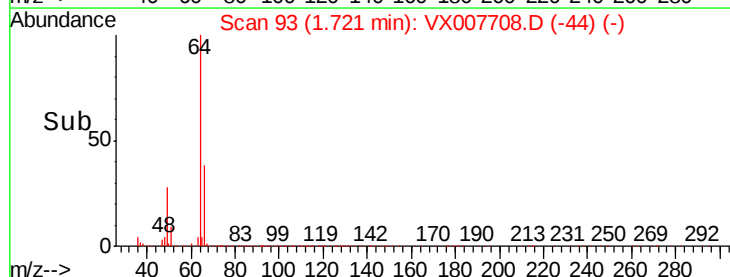
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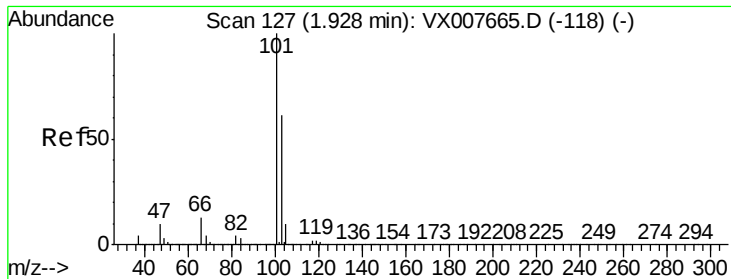
40000

20000

0

Time--> 1.65 1.70 1.75 1.80



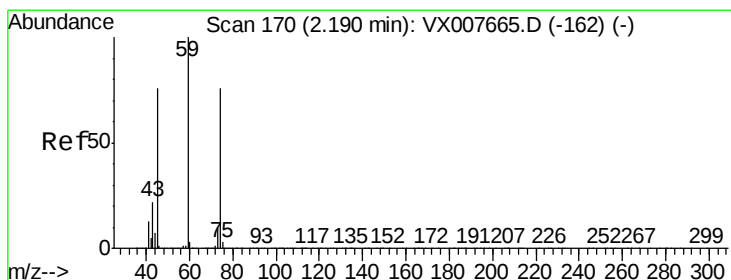
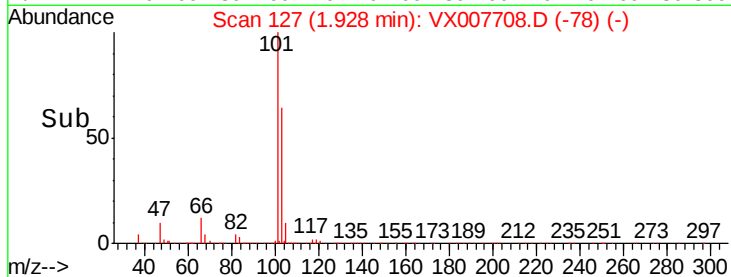
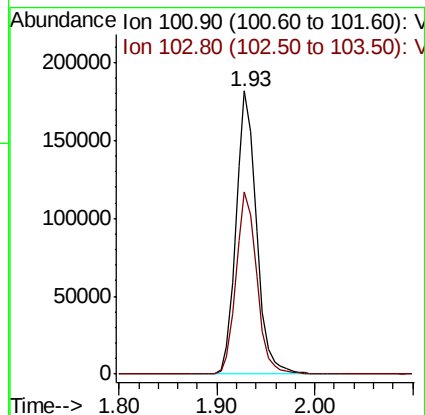
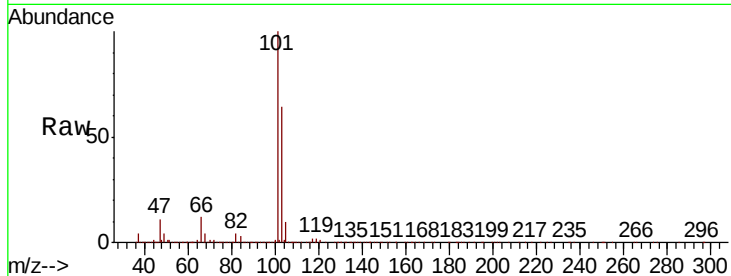


#7

Trichlorofluoromethane
Concen: 49.044 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007708.D
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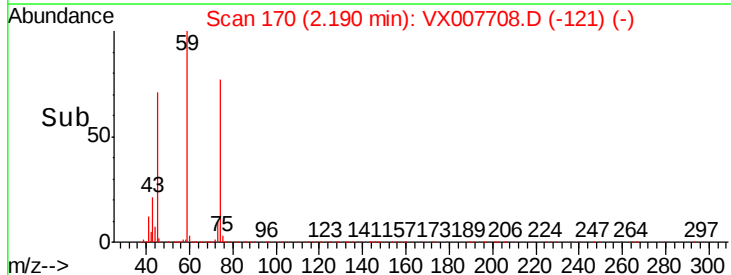
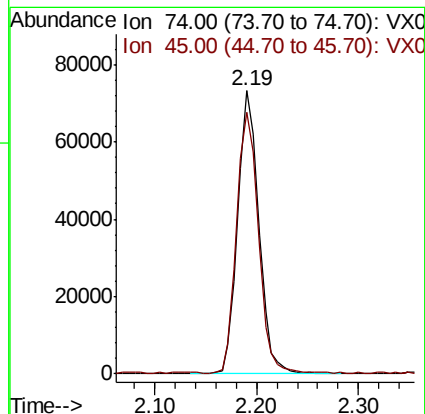
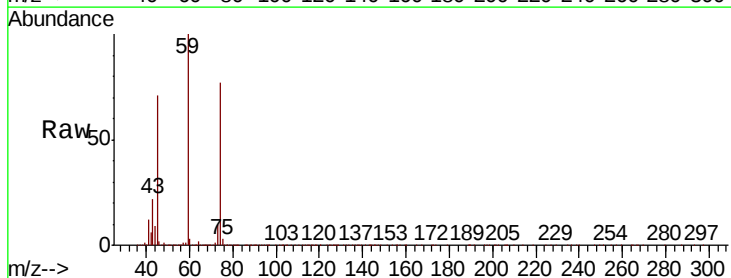
Tot Ion:101 Resp: 263973
Ion Ratio Lower Upper
101 100
103 64.5 52.6 79.0

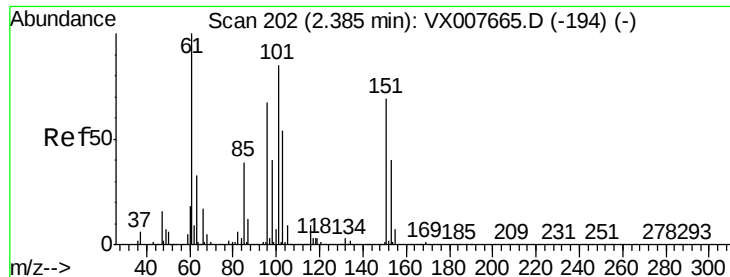


#8

Diethyl Ether
Concen: 47.446 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 74 Resp: 104805
Ion Ratio Lower Upper
74 100
45 94.5 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.338 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

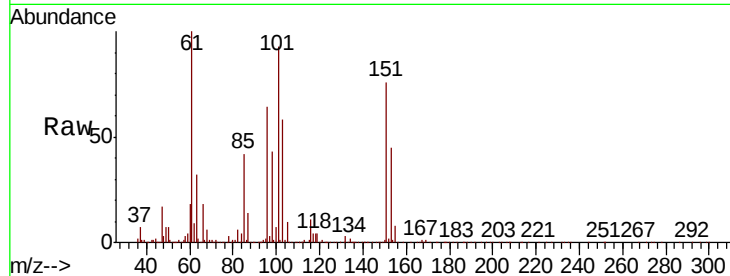
Tot Ion:101 Resp: 150745

Ion Ratio Lower Upper

101 100

85 45.6 34.1 51.1

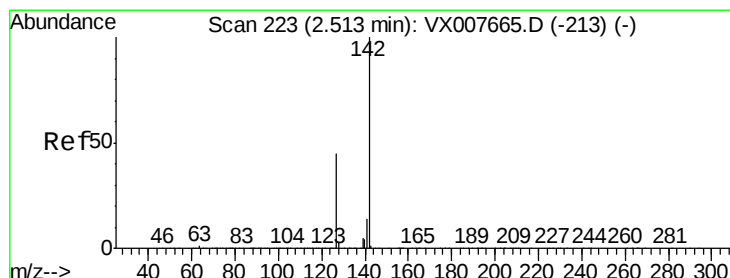
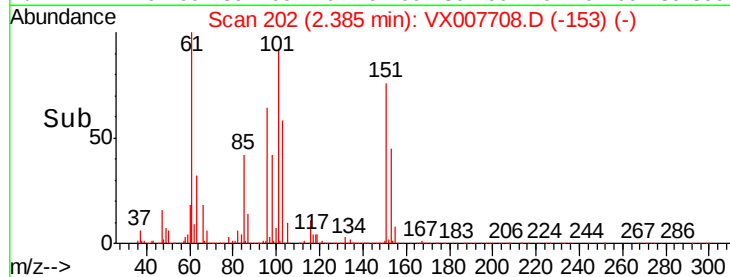
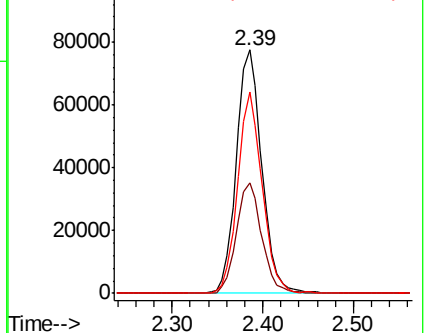
151 79.2 69.9 104.9



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: 53.424 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

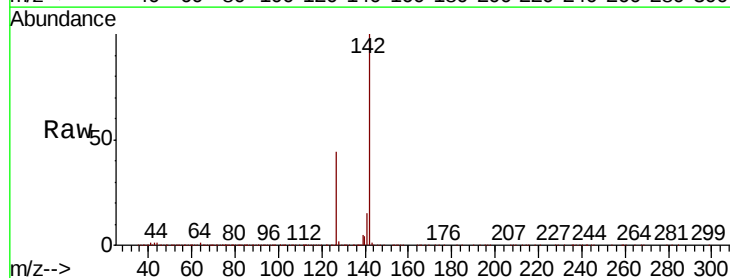
Tgt Ion:142 Resp: 216409

Ion Ratio Lower Upper

142 100

127 44.4 33.7 50.5

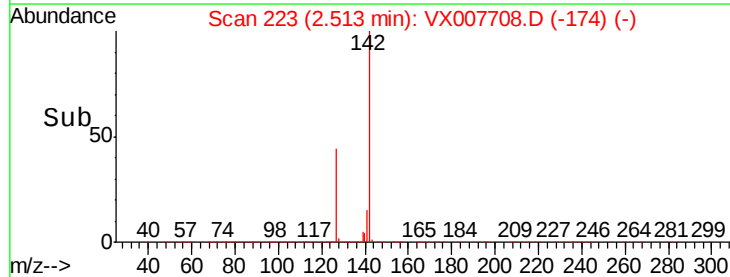
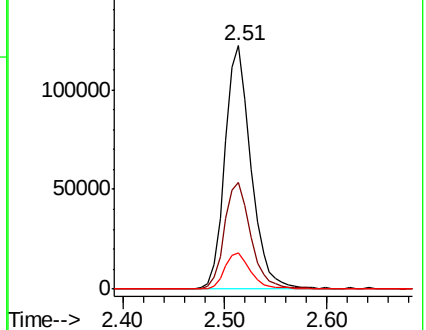
141 14.6 11.3 16.9

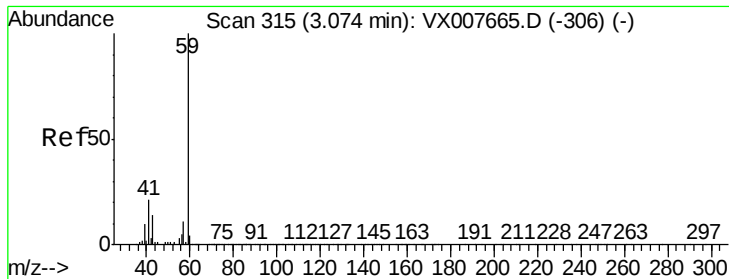


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

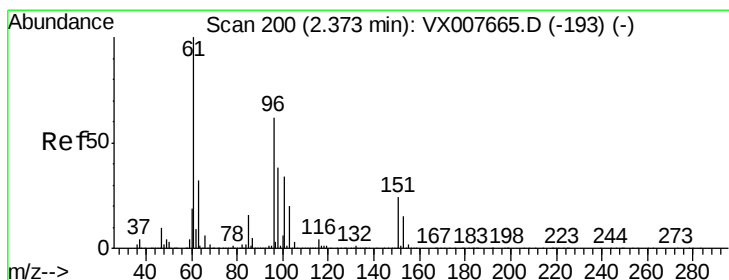
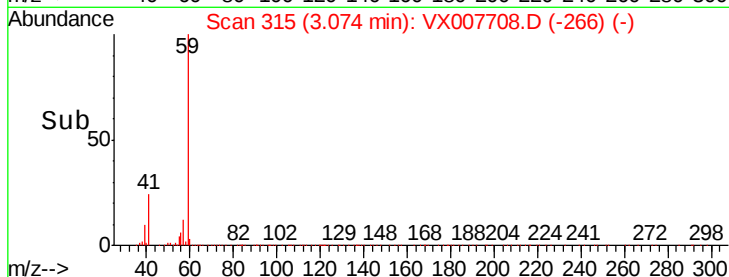
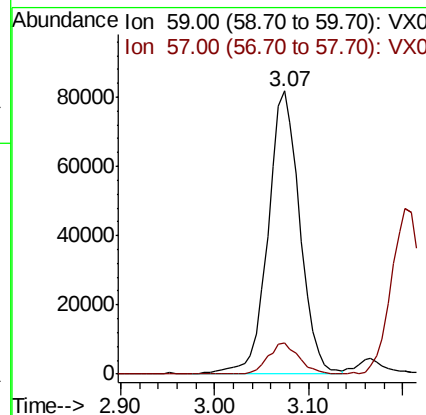
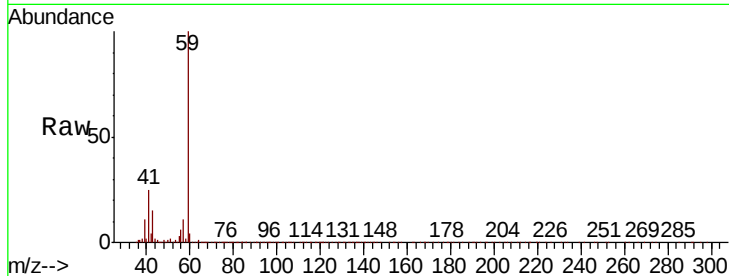




#11
Tert butyl alcohol
Concen: 244.362 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

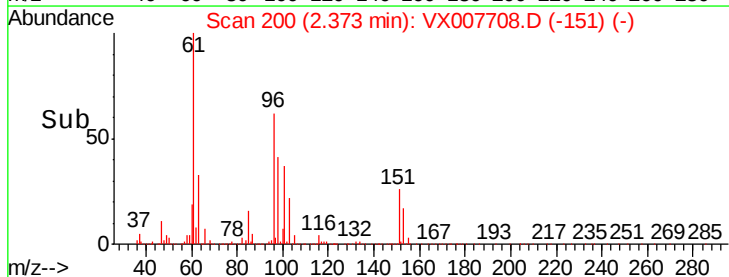
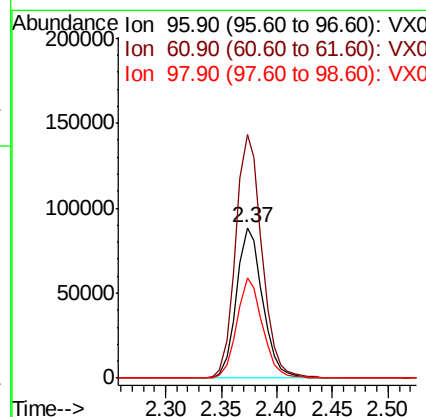
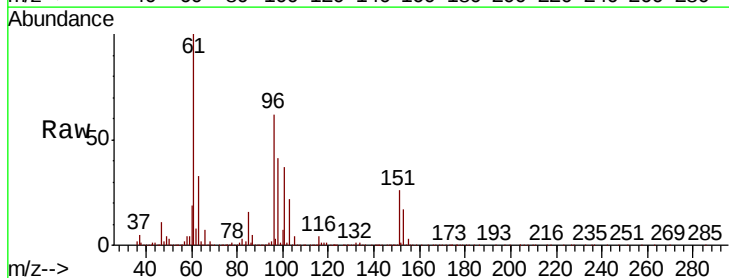
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

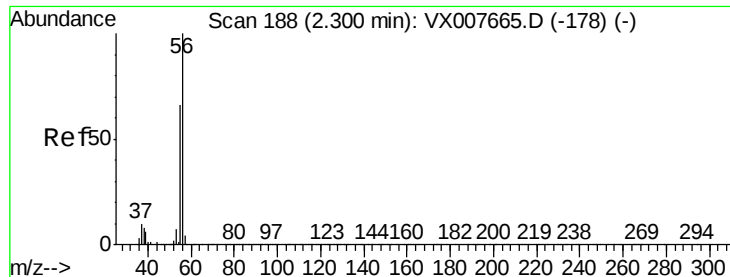
Tot Ion: 59 Resp: 192528
Ion Ratio Lower Upper
59 100
57 10.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 49.078 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 96 Resp: 143917
Ion Ratio Lower Upper
96 100
61 161.7 123.0 184.4
98 66.6 50.9 76.3





#13

Acrolein

Concen: 65.744 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

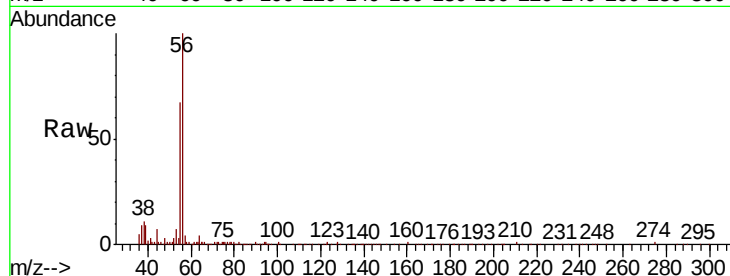
VSTDCCC050EC

Tot Ion: 56 Resp: 46029

Ion Ratio Lower Upper

56 100

55 68.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

30000

25000

20000

15000

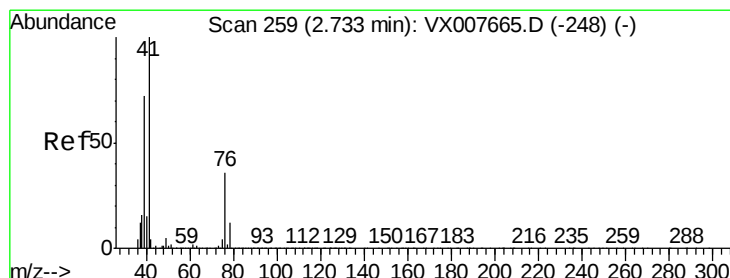
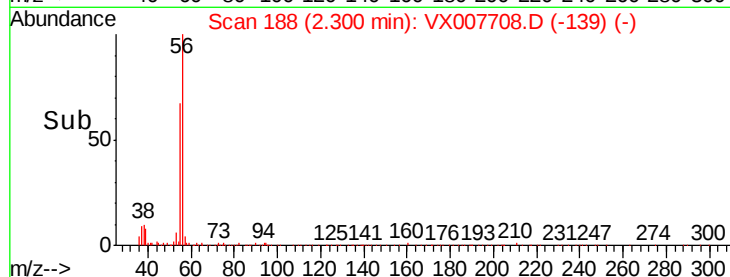
10000

5000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 45.549 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

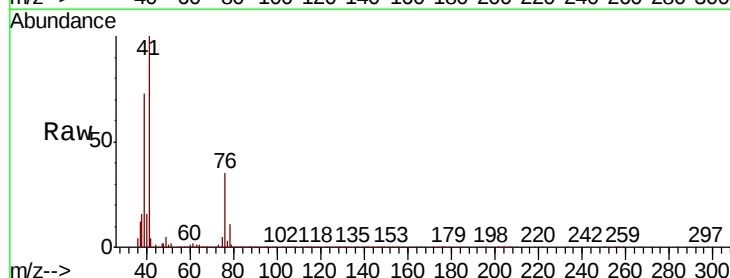
Tgt Ion: 41 Resp: 246970

Ion Ratio Lower Upper

41 100

39 69.6 54.1 81.1

76 33.2 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

200000

150000

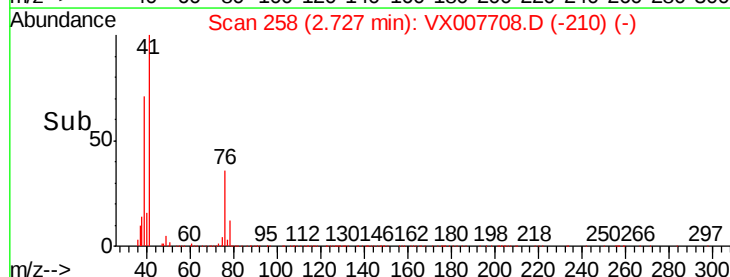
100000

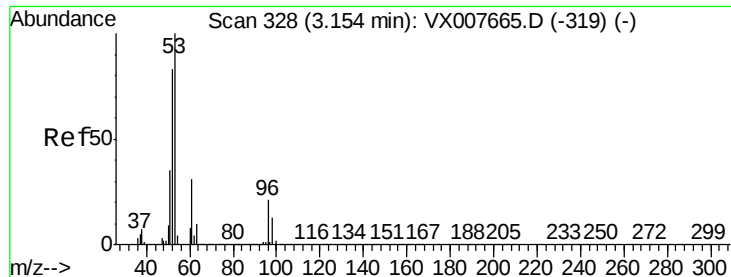
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 244.908 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

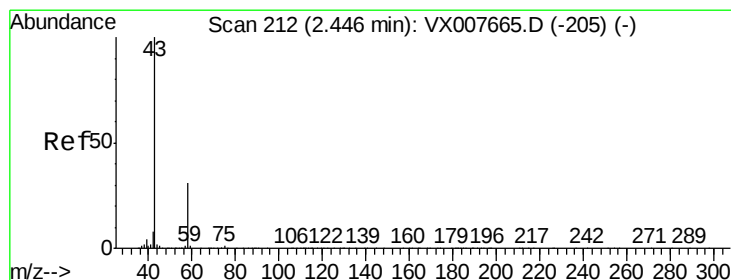
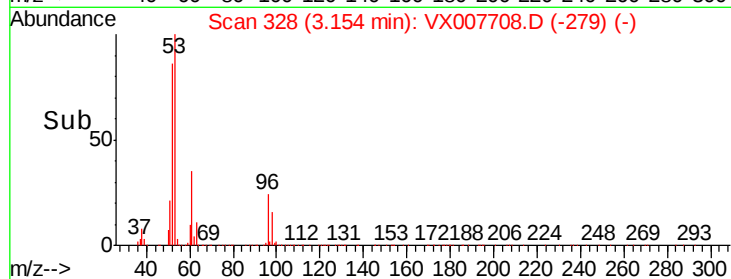
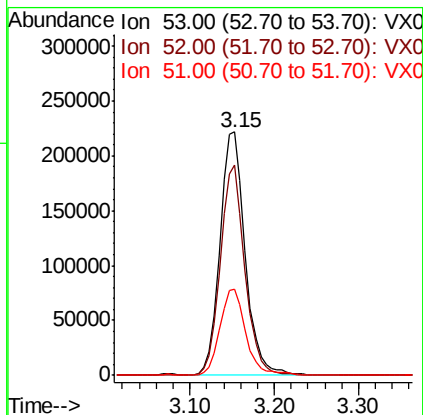
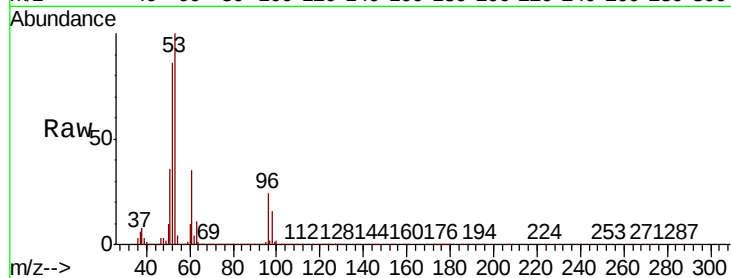
Tot Ion: 53 Resp: 454089

Ion Ratio Lower Upper

53 100

52 84.2 66.4 99.6

51 36.4 28.4 42.6



#16

Acetone

Concen: 222.044 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007708.D

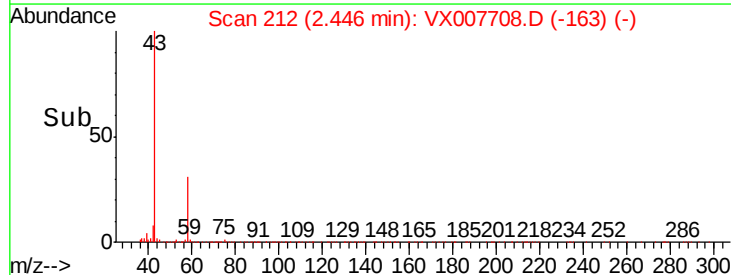
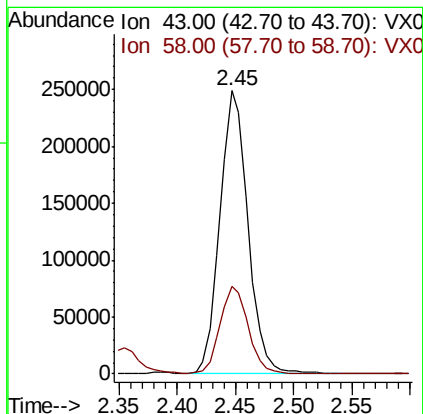
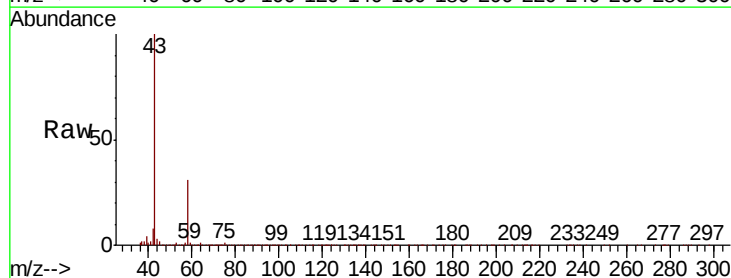
Acq: 26 Feb 2019 10:56

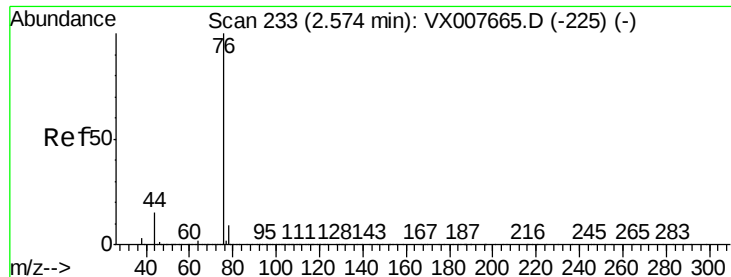
Tgt Ion: 43 Resp: 410035

Ion Ratio Lower Upper

43 100

58 31.0 24.9 37.3

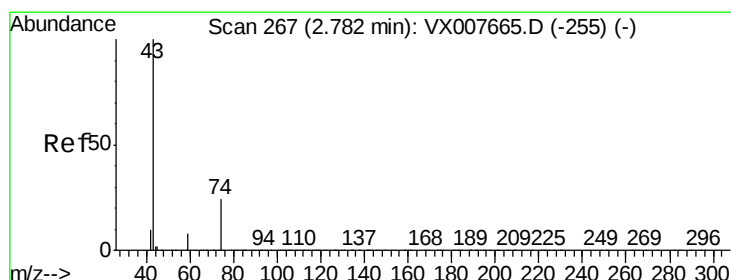
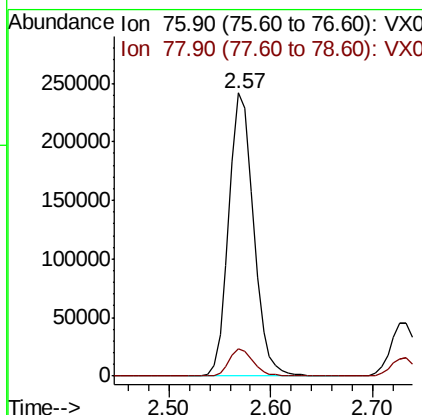
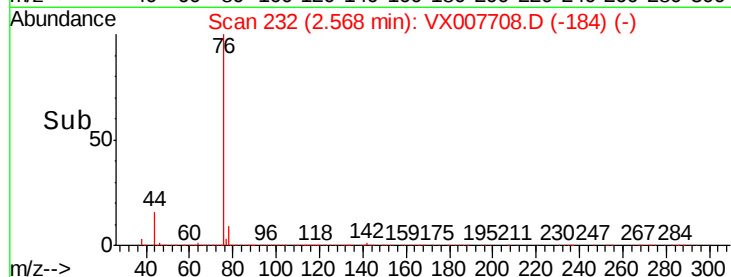
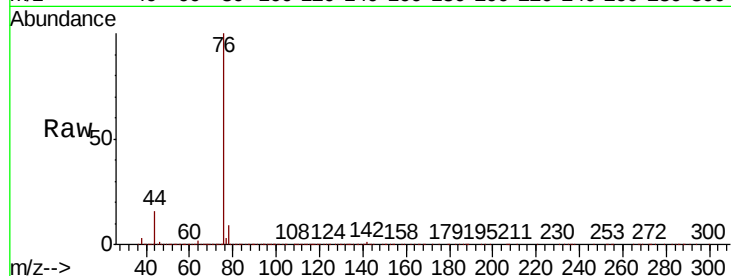




#17
Carbon Disulfide
Concen: 49.744 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

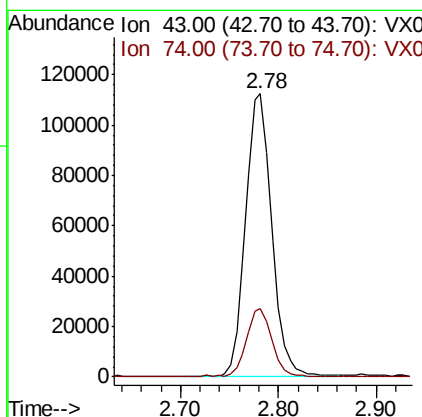
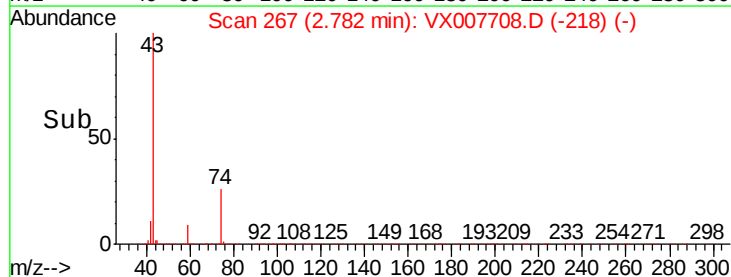
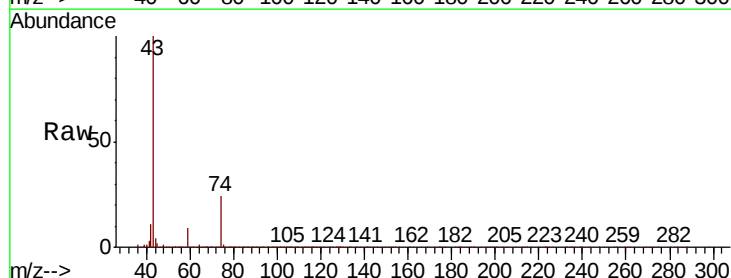
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

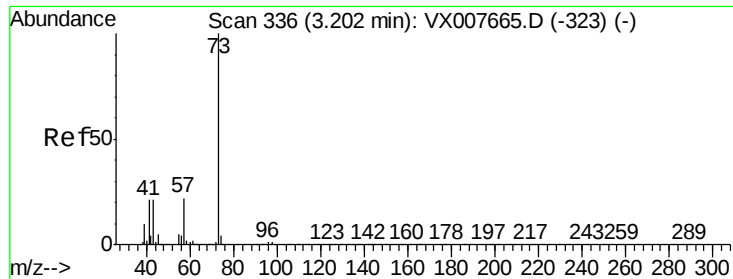
Tot Ion: 76 Resp: 405818
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 51.590 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 43 Resp: 207886
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2

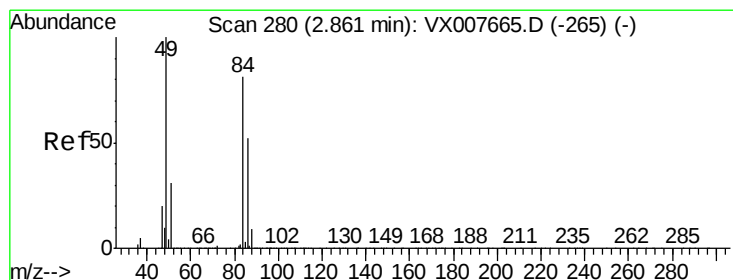
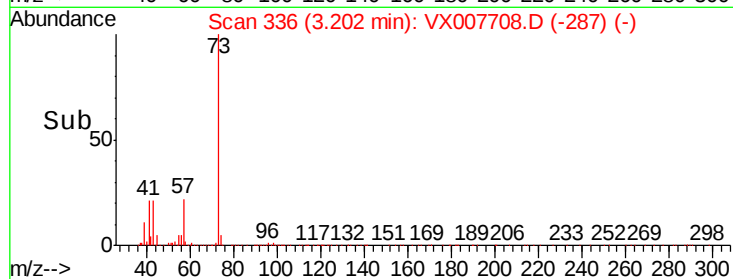
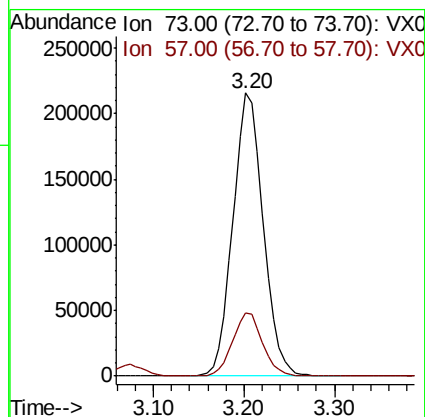
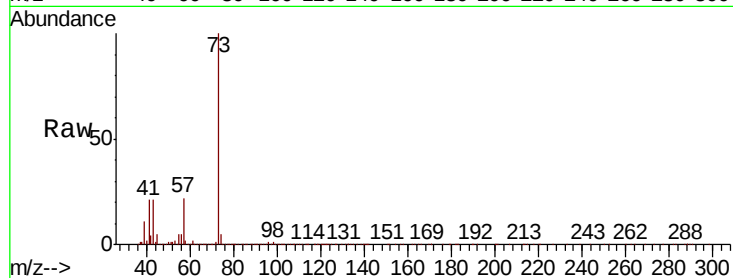




#19
Methvl tert-butvl Ether
Concen: 49.029 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

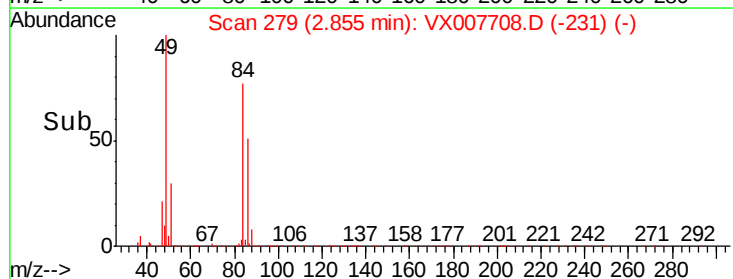
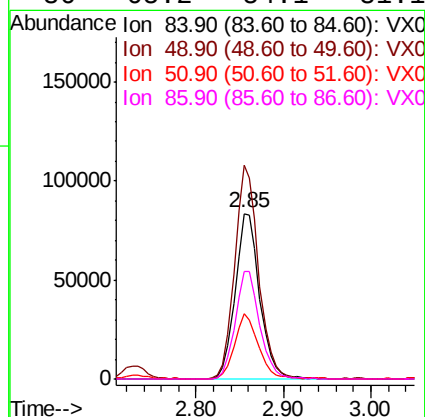
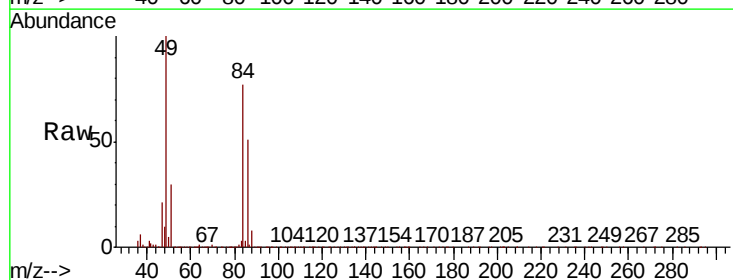
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

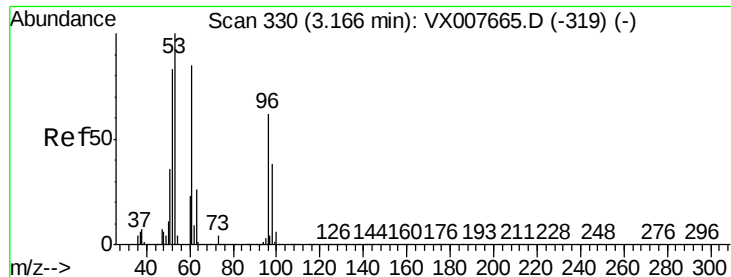
Tot Ion: 73 Resp: 500668
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 47.898 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 84 Resp: 163324
Ion Ratio Lower Upper
84 100
49 128.9 94.8 142.2
51 38.9 29.8 44.8
86 65.2 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 48.760 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

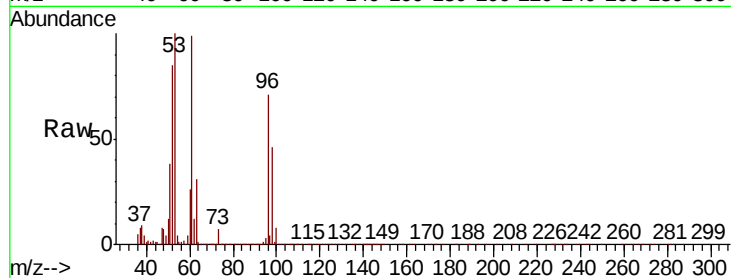
Tot Ion: 96 Resp: 155442

Ion Ratio Lower Upper

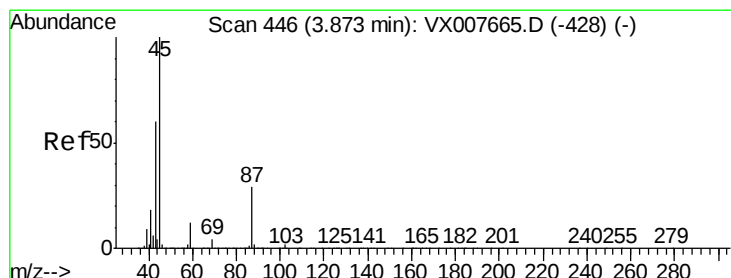
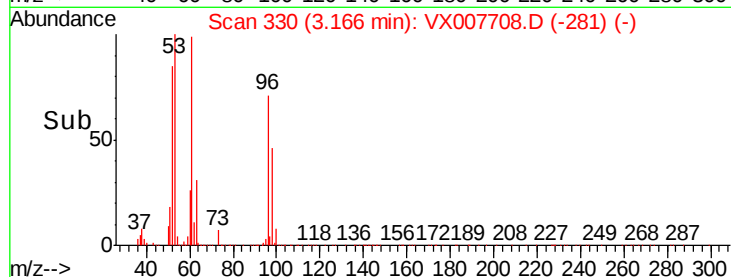
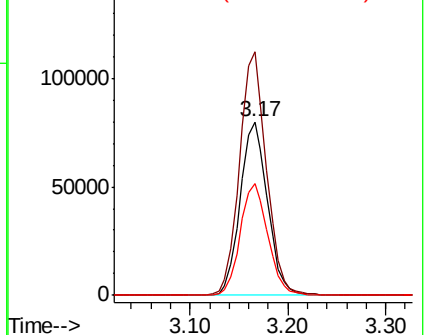
96 100

61 140.0 104.6 156.8

98 64.3 51.0 76.4



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



#22

Diisopropyl ether

Concen: 48.129 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Tgt Ion: 45 Resp: 543245

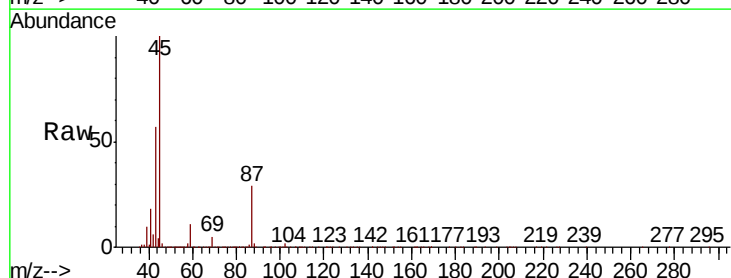
Ion Ratio Lower Upper

45 100

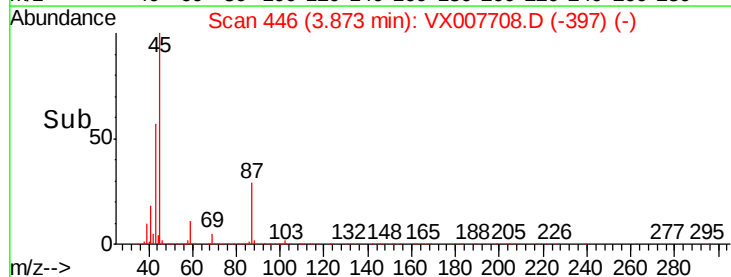
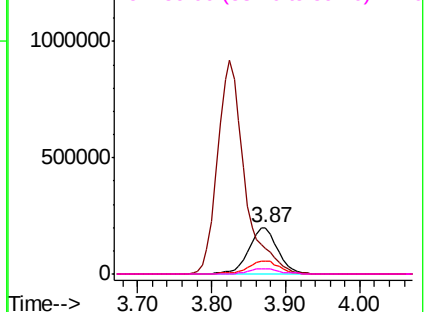
43 56.6 48.9 73.3

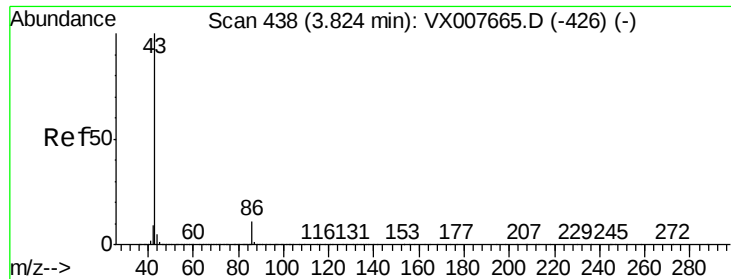
87 29.1 23.9 35.9

59 11.3 9.6 14.4



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: 234.178 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

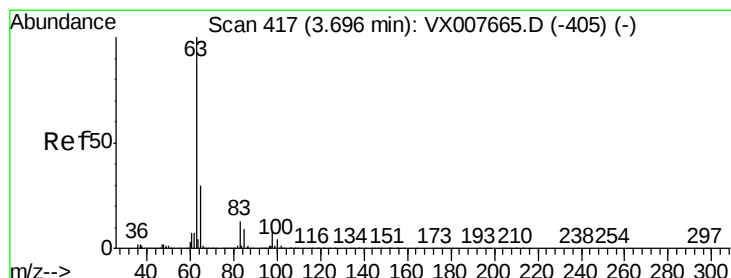
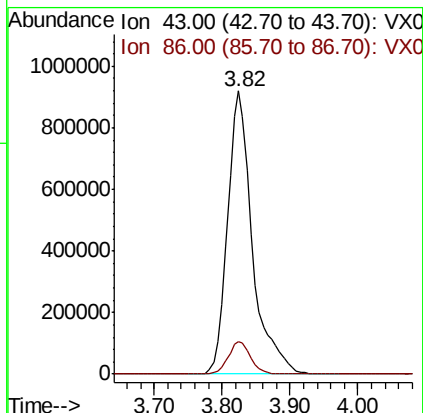
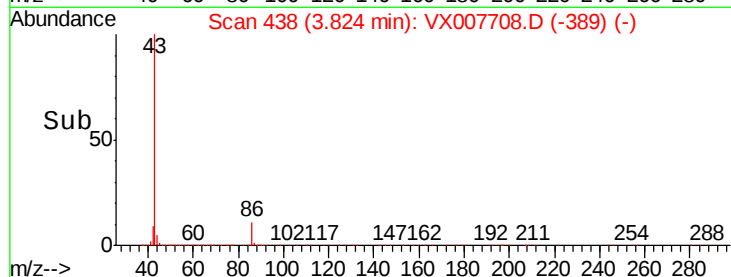
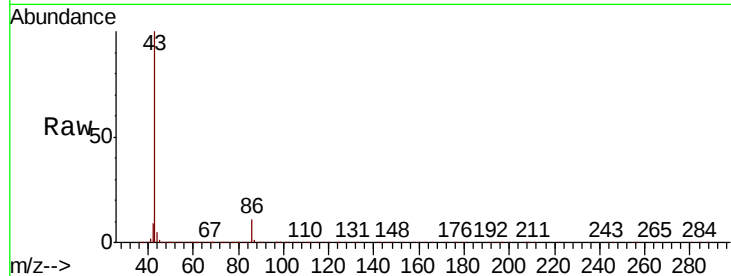
VSTDCCC050EC

Tot Ion: 43 Resp: 2319034

Ion Ratio Lower Upper

43 100

86 11.3 8.7 13.1



#24

1,1-Dichloroethane

Concen: 48.420 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

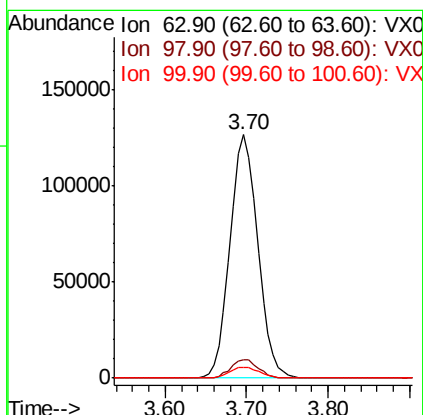
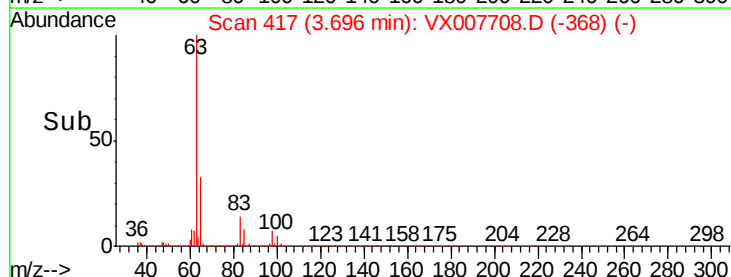
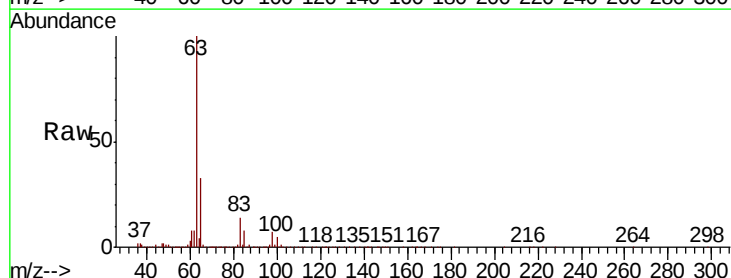
Tgt Ion: 63 Resp: 297025

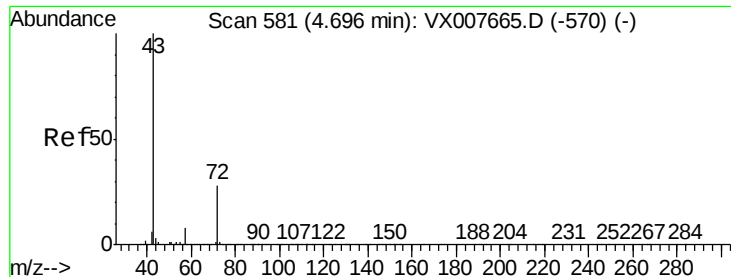
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 237.810 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

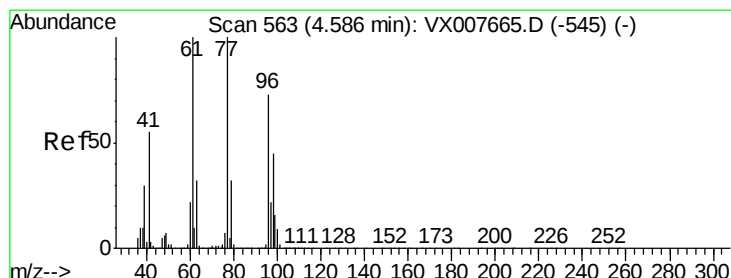
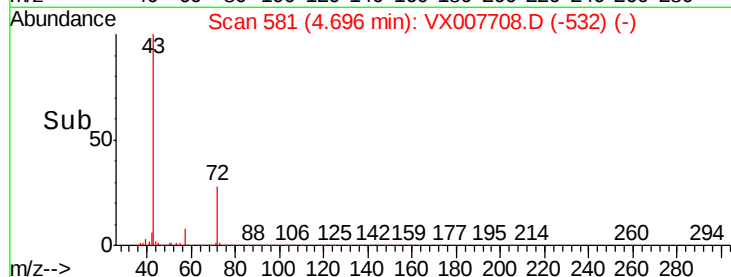
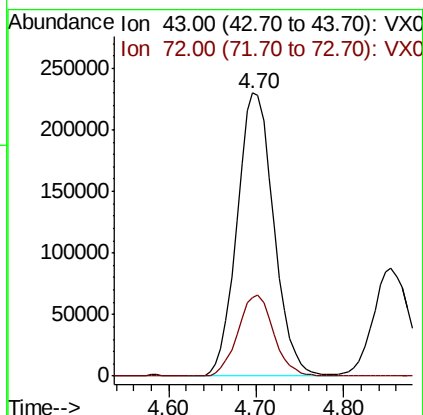
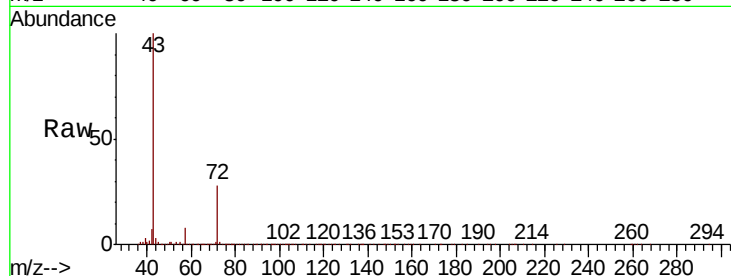
VSTDCCC050EC

Tot Ion: 43 Resp: 668936

Ion Ratio Lower Upper

43 100

72 27.7 22.2 33.2



#26

2,2-Dichloropropane

Concen: 26.692 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007708.D

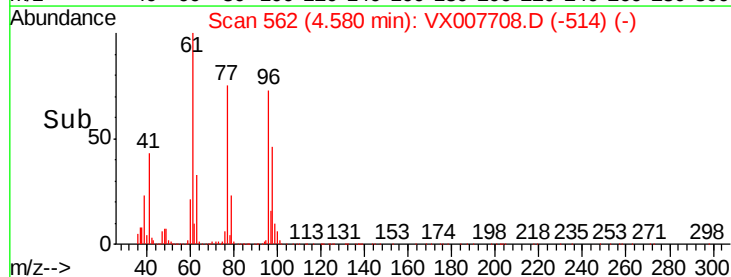
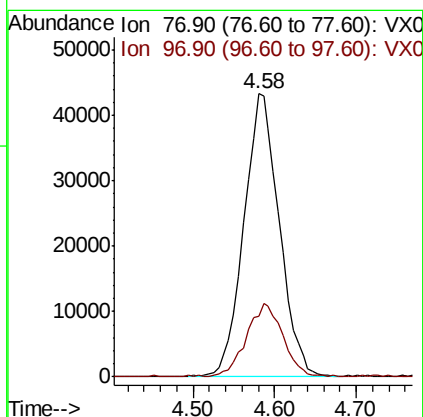
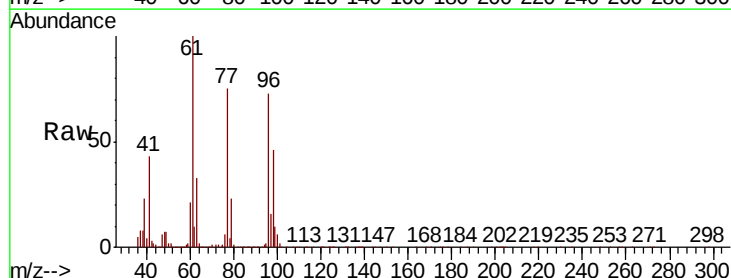
Acq: 26 Feb 2019 10:56

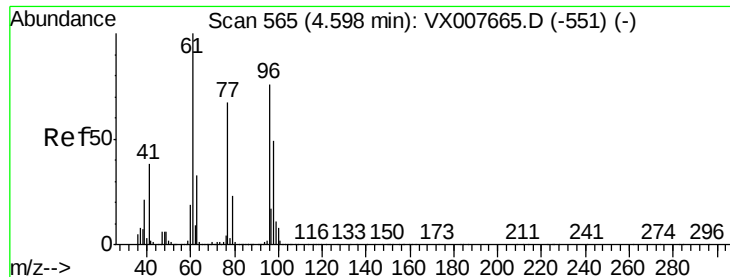
Tgt Ion: 77 Resp: 130703

Ion Ratio Lower Upper

77 100

97 26.8 12.1 36.3



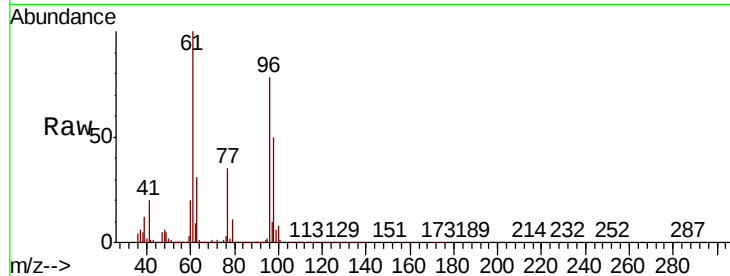


#27

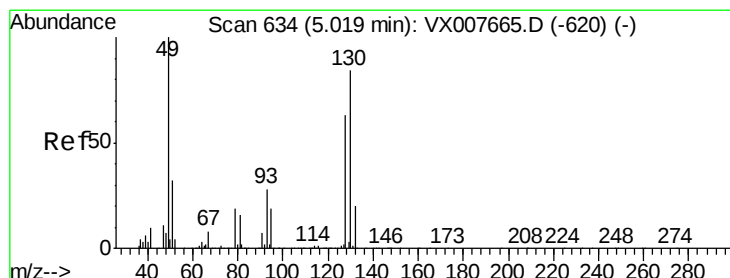
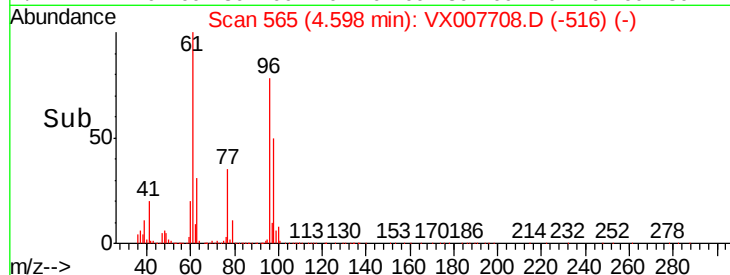
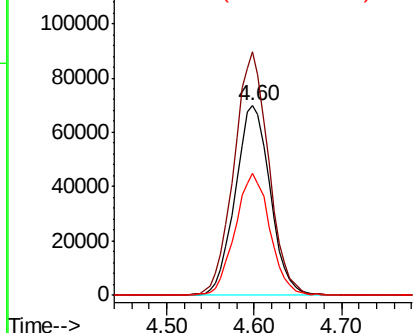
cis-1,2-Dichloroethene
Concen: 47.832 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 194022
Ion Ratio Lower Upper
96 100
61 127.0 0.0 265.6
98 63.6 0.0 131.6



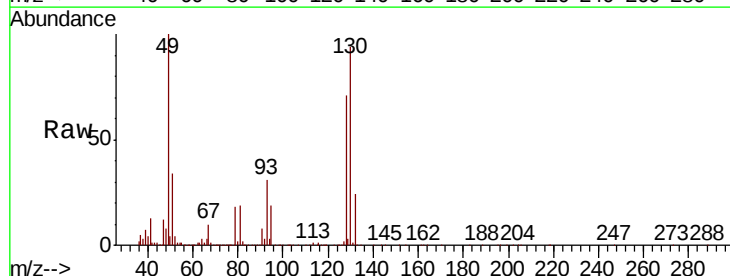
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



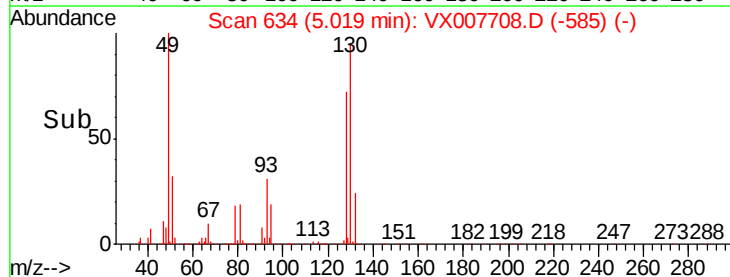
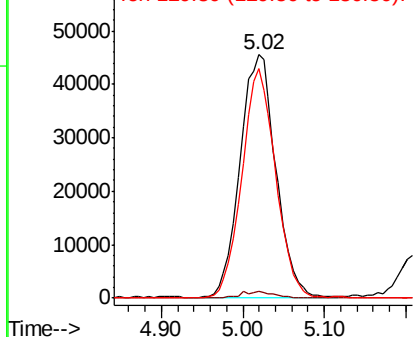
#28

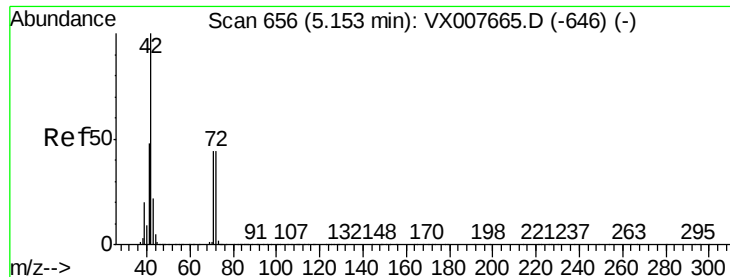
Bromochloromethane
Concen: 46.749 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 49 Resp: 139608
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.6
130 88.5 75.6 113.4



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: 239.408 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

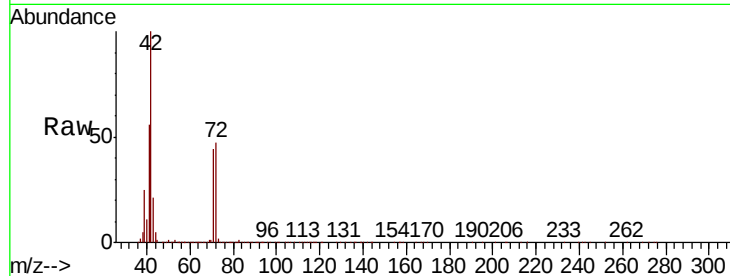
Tot Ion: 42 Resp: 443908

Ion Ratio Lower Upper

42 100

72 46.6 37.6 56.4

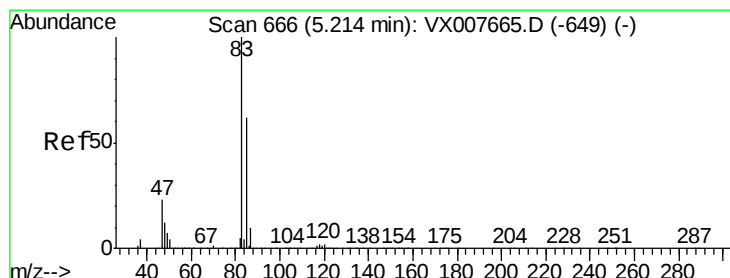
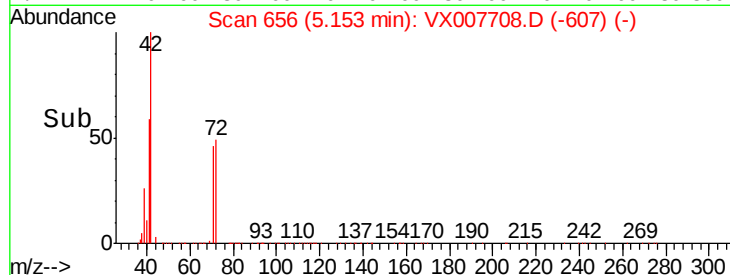
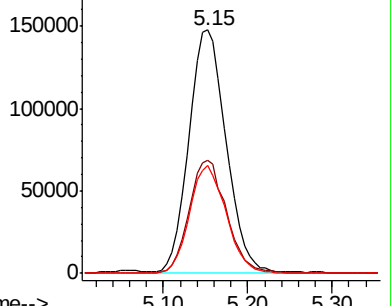
71 43.8 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.068 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007708.D

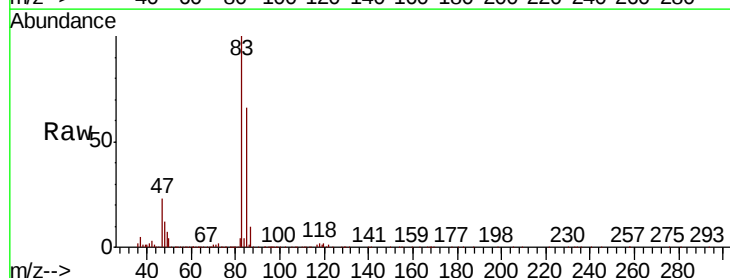
Acq: 26 Feb 2019 10:56

Tgt Ion: 83 Resp: 315853

Ion Ratio Lower Upper

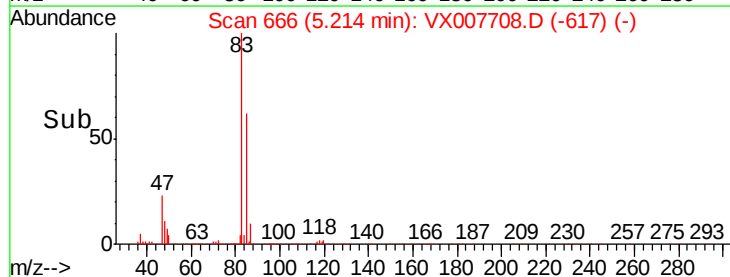
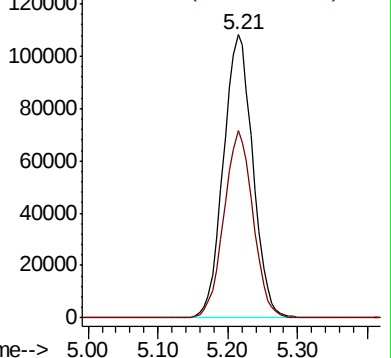
83 100

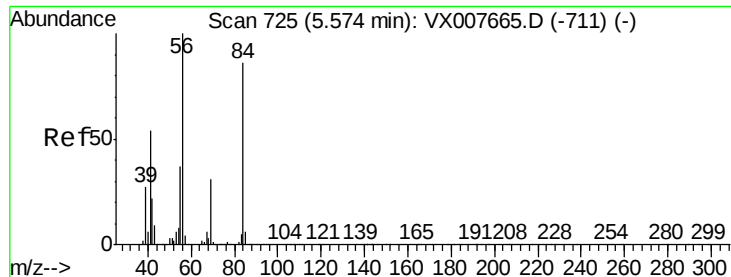
85 66.1 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

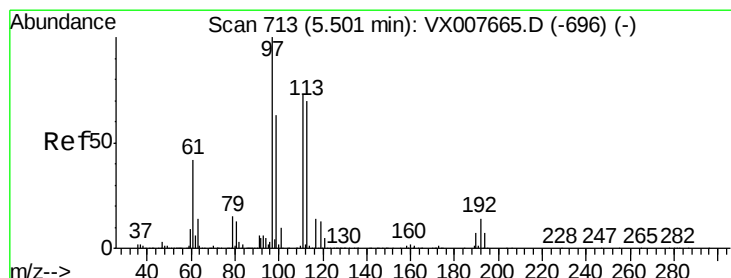
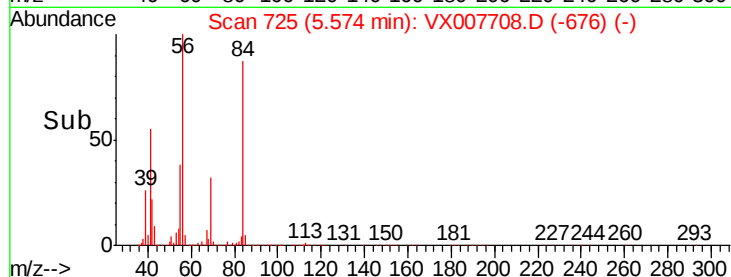
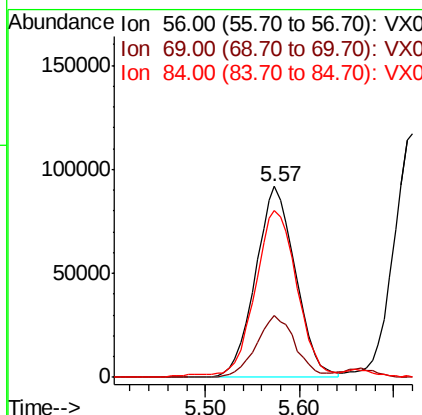
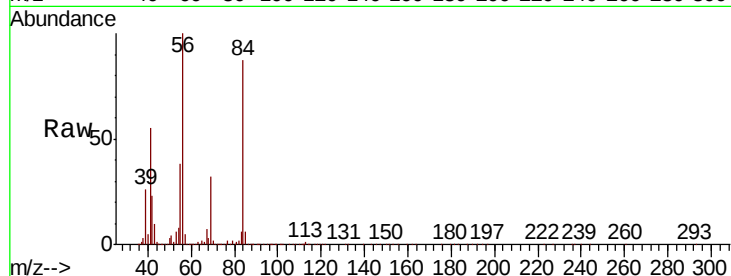




#31
Cyclohexane
Concen: 47.299 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

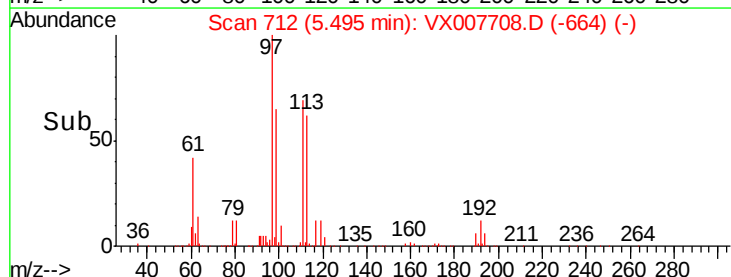
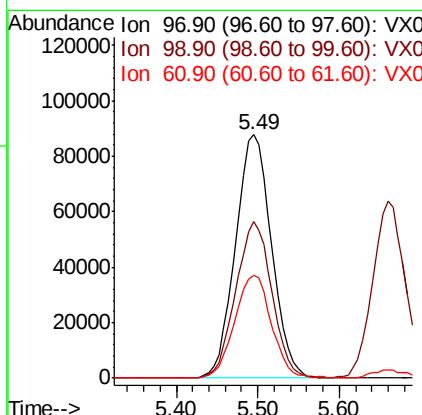
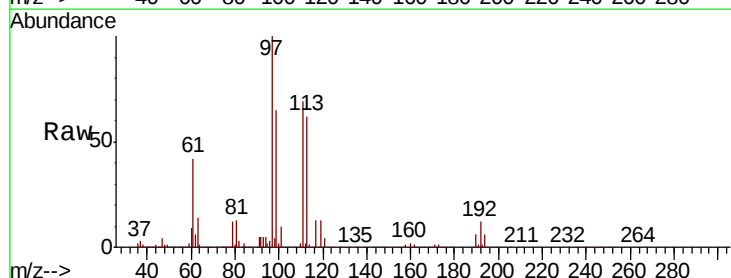
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

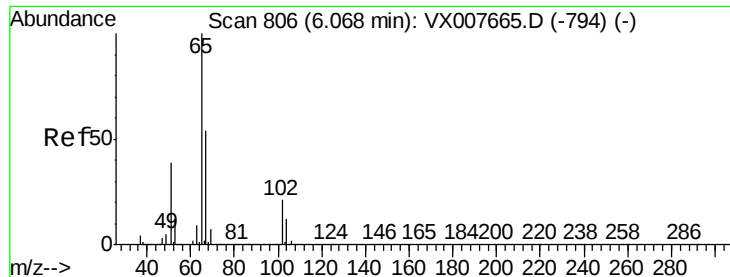
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.0	34.6
84	86.0	69.8	104.6



#32
1,1,1-Trichloroethane
Concen: 49.517 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	42.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 47.085 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

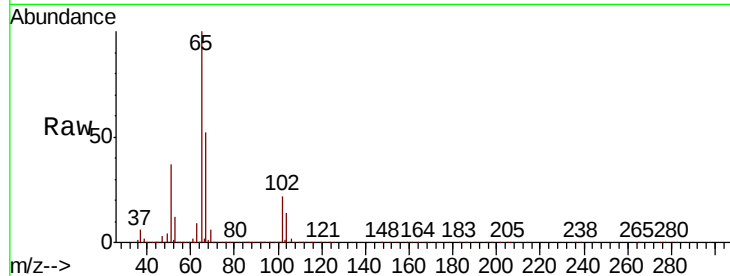
VSTDCCC050EC

Tot Ion: 65 Resp: 195522

Ion Ratio Lower Upper

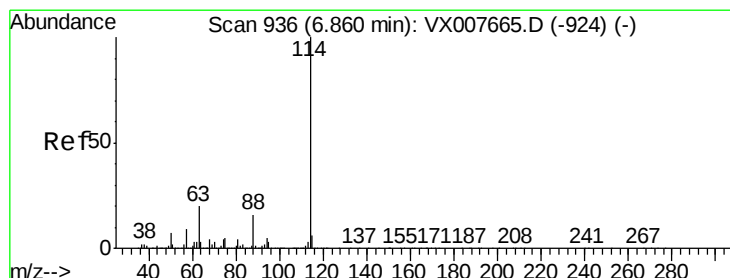
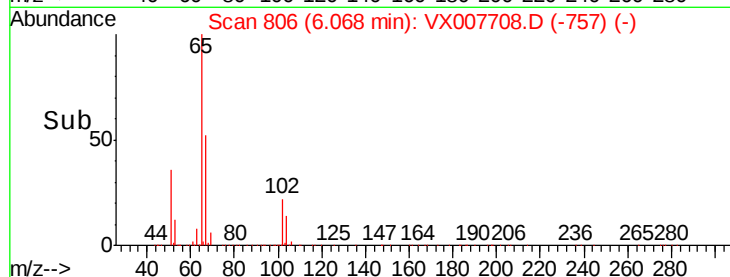
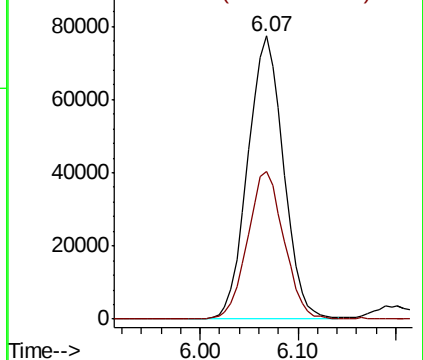
65 100

67 53.4 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

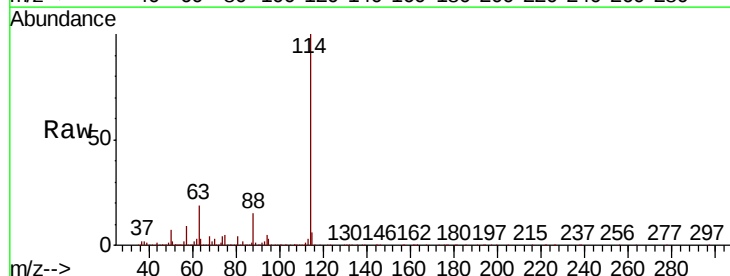
Tgt Ion: 114 Resp: 531280

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

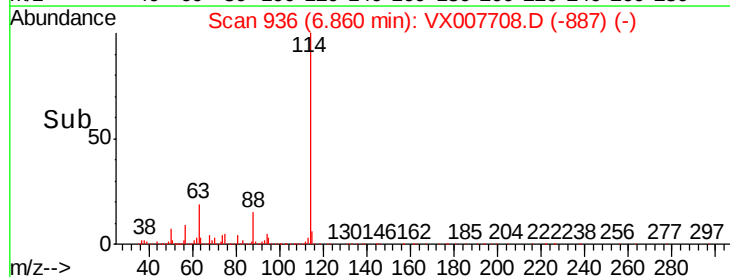
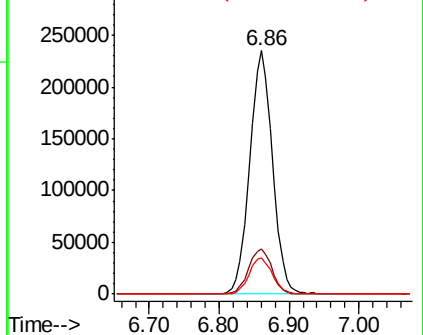
88 14.6 0.0 29.6

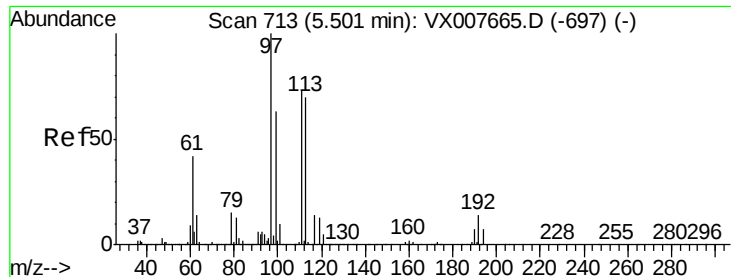


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

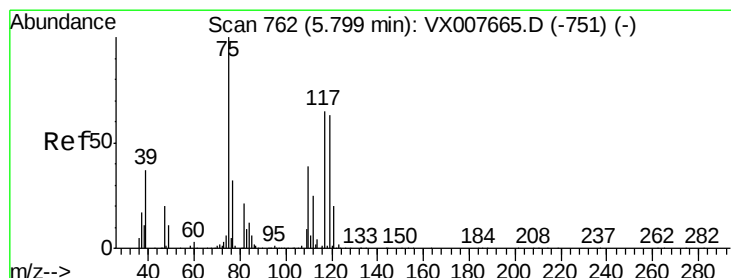
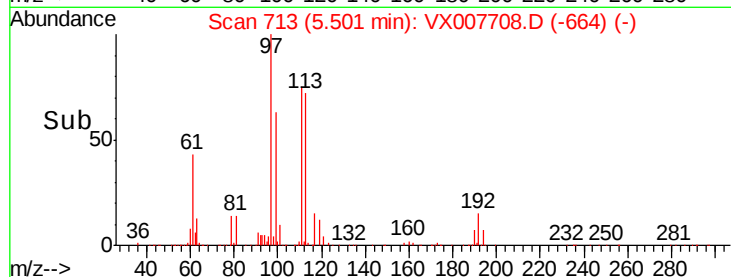
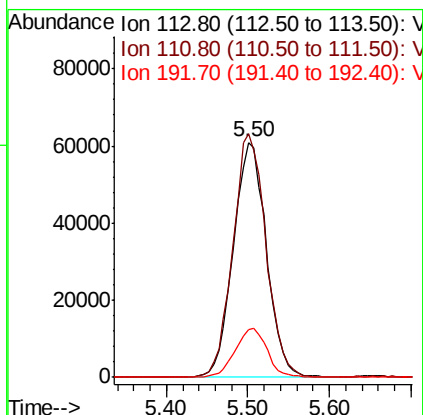
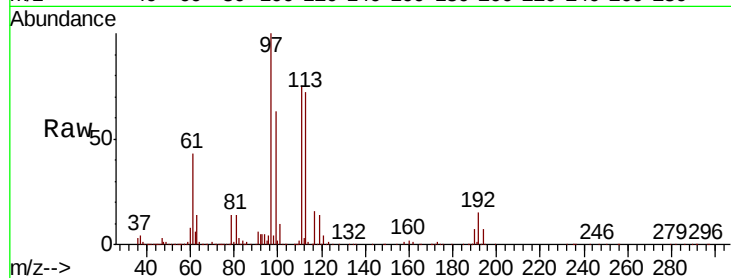




#35
Dibromofluoromethane
Concen: 48.299 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

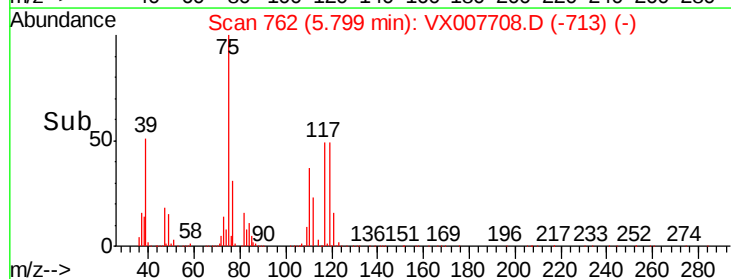
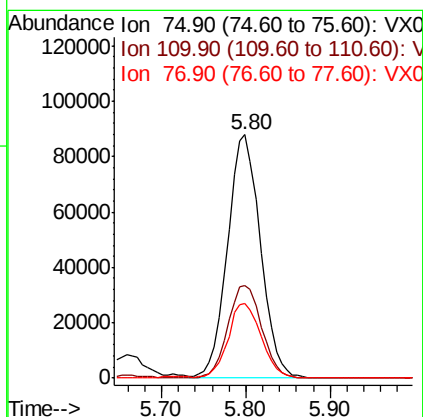
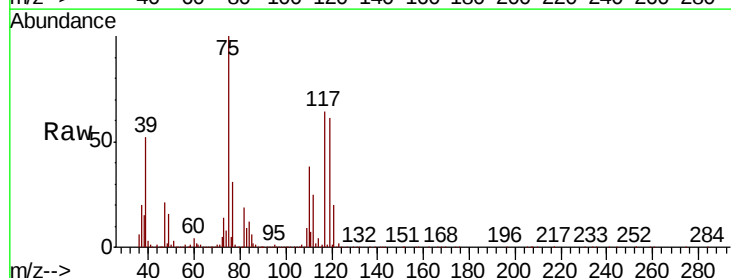
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

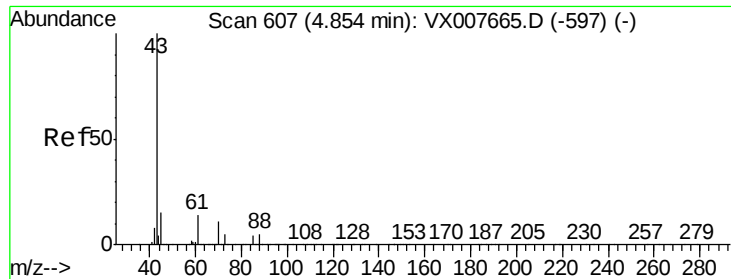
Tot Ion:113 Resp: 171531
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 20.3 18.5 27.7



#36
1,1-Dichloropropene
Concen: 48.601 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 75 Resp: 232139
Ion Ratio Lower Upper
75 100
110 39.5 20.0 59.9
77 30.6 24.7 37.1

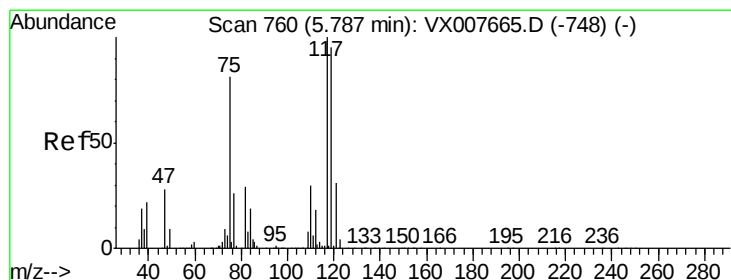
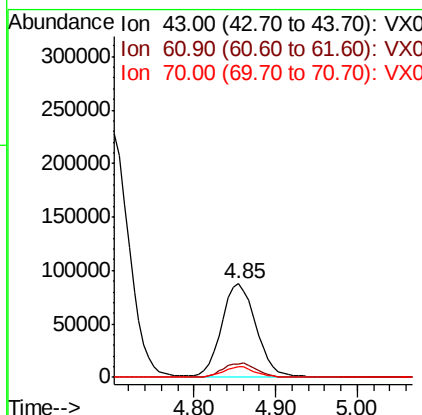
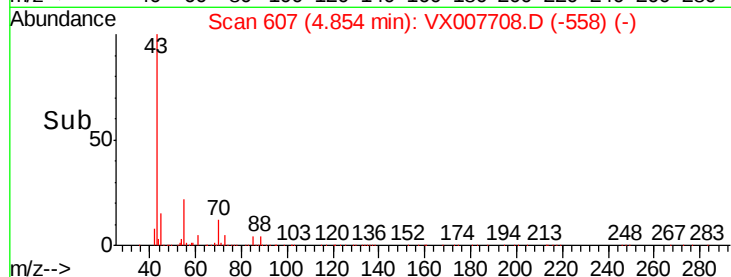
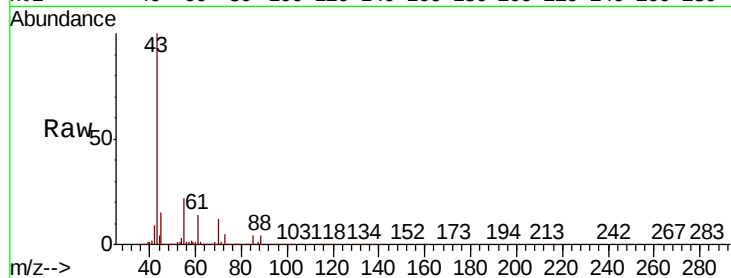




#37
Ethyl Acetate
Concen: 48.056 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

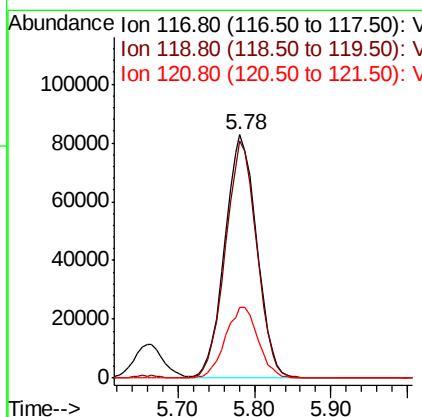
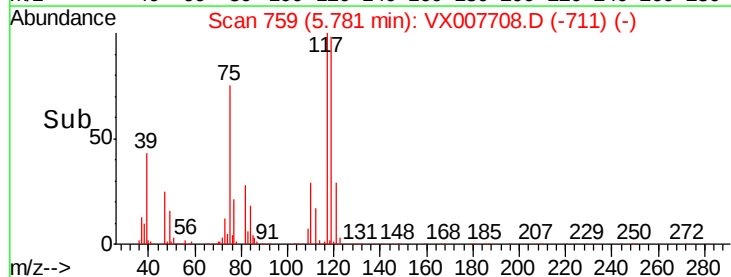
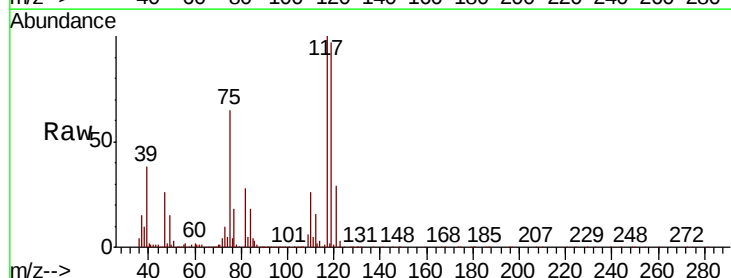
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

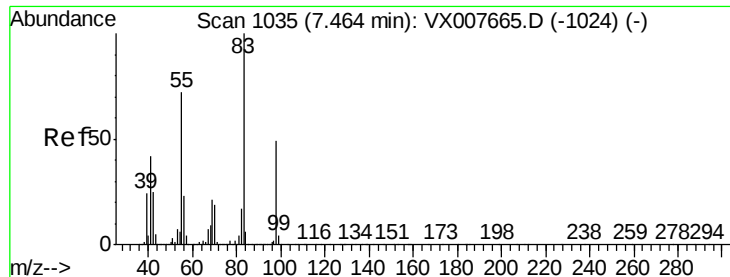
Tot Ion: 43 Resp: 254977
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 49.828 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 117 Resp: 239070
Ion Ratio Lower Upper
117 100
119 97.3 75.3 112.9
121 29.1 25.0 37.4

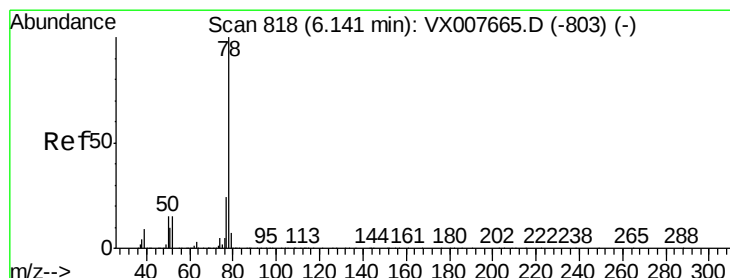
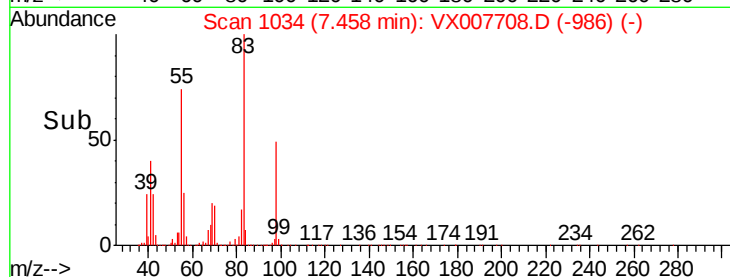
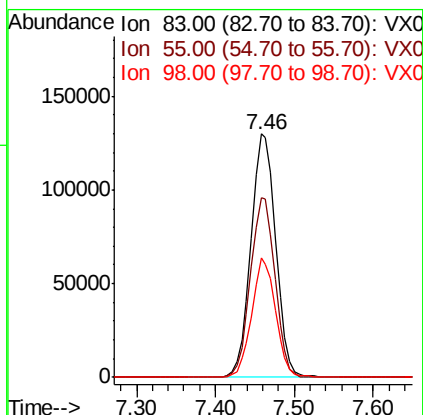
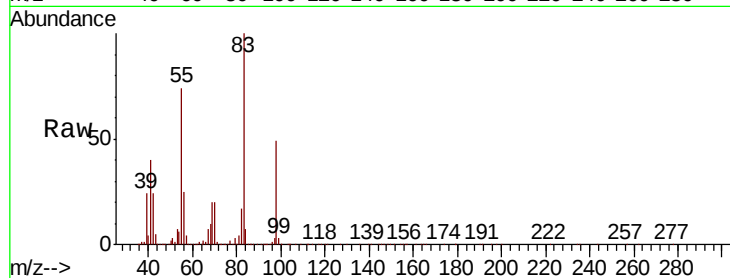




#39
Methvlcvclohexane
Concen: 47.061 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

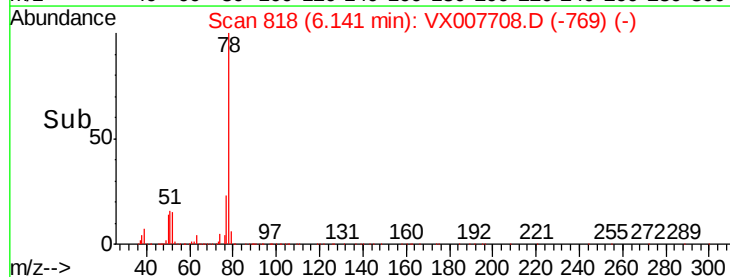
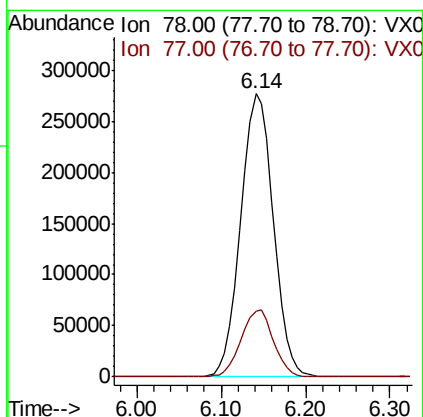
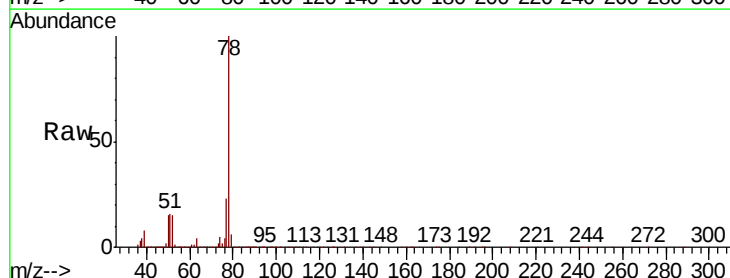
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

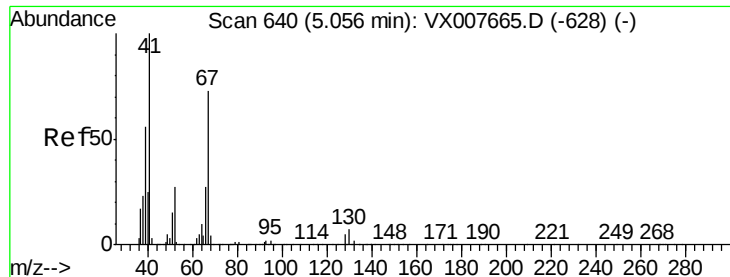
Tot Ion: 83 Resp: 284089
Ion Ratio Lower Upper
83 100
55 73.7 56.2 84.2
98 49.0 36.8 55.2



#40
Benzene
Concen: 49.108 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 78 Resp: 724074
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9

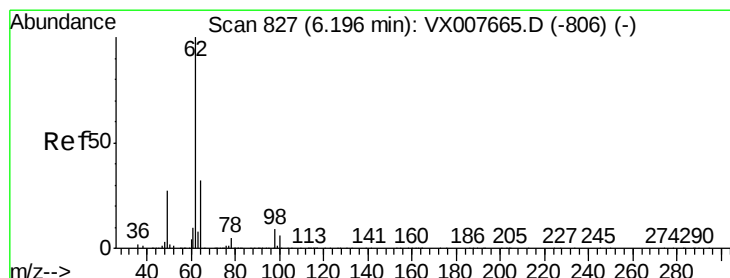
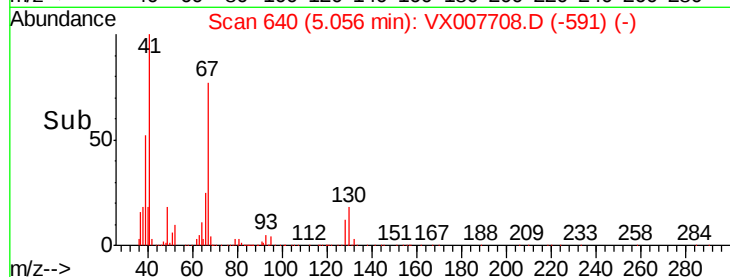
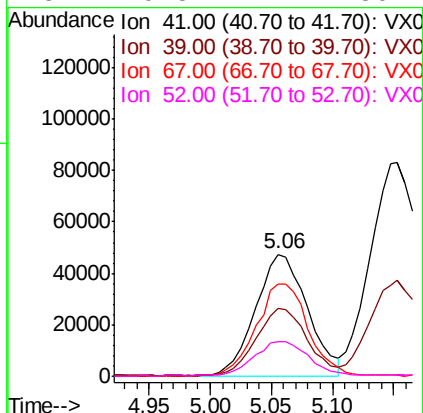
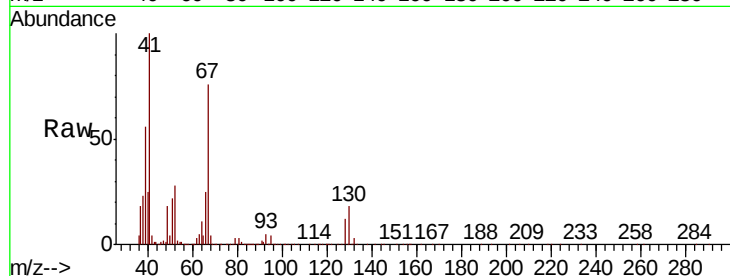




#41
Methacrylonitrile
Concen: 49.753 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

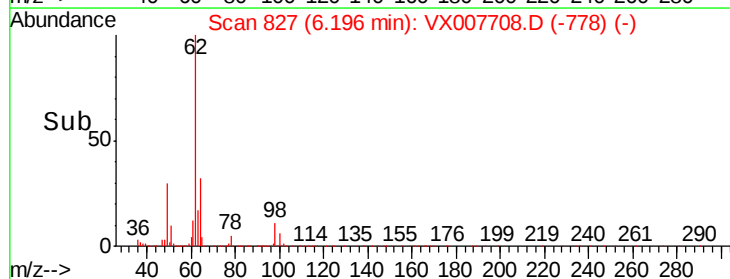
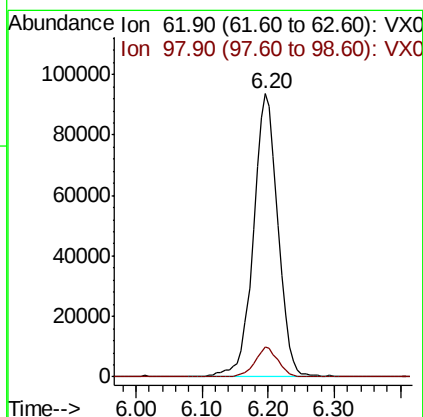
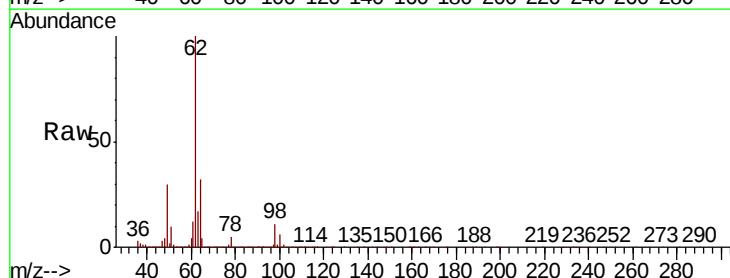
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

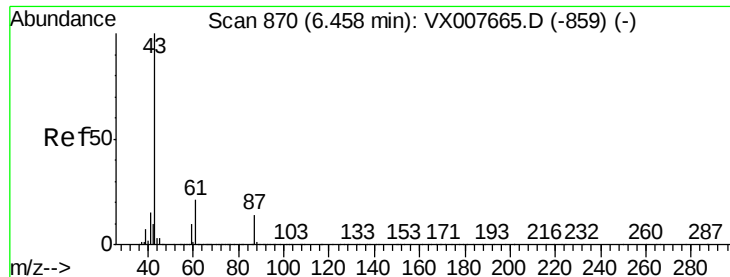
Tot Ion:	41	Resp:	140961
Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.5	66.7
67	75.7	60.4	90.6
52	29.8	24.1	36.1



#42
1,2-Dichloroethane
Concen: 48.301 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion:	62	Resp:	239369
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



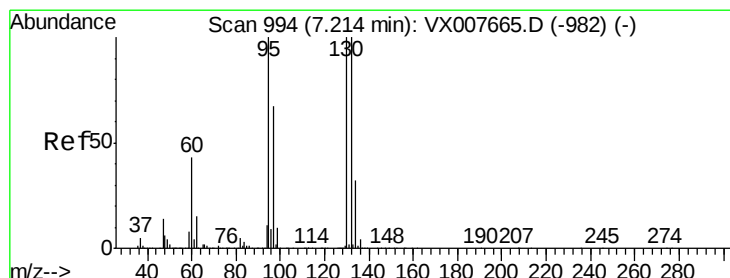
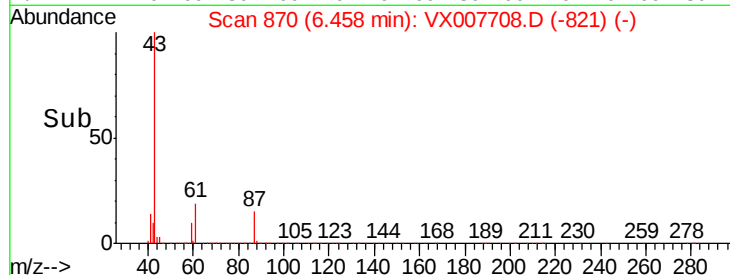
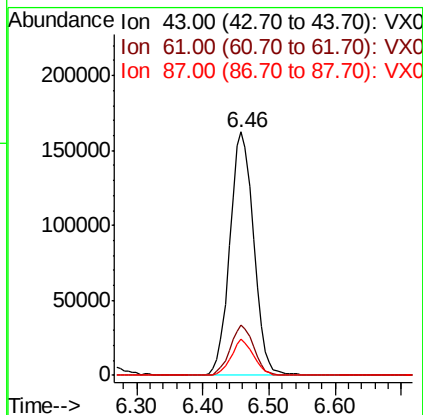
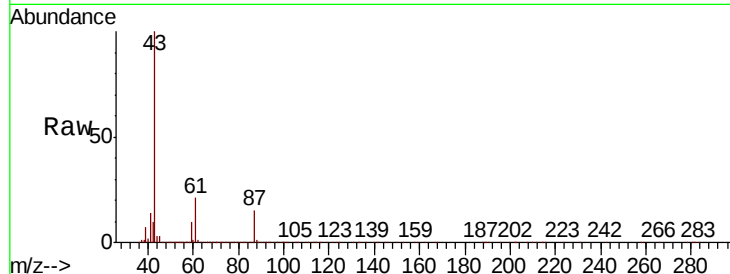


#43

Isopropyl Acetate
 Concen: 49.640 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

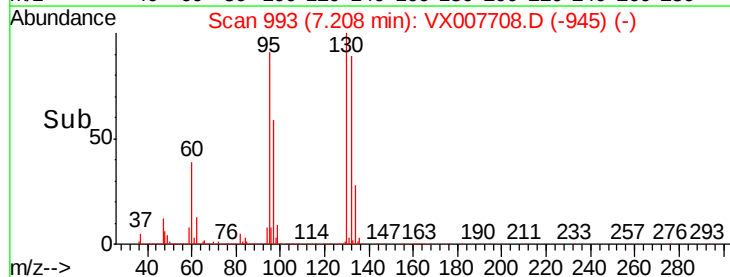
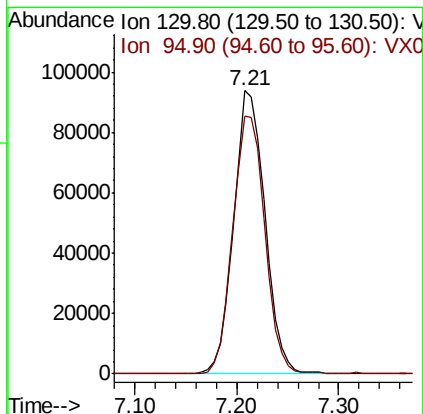
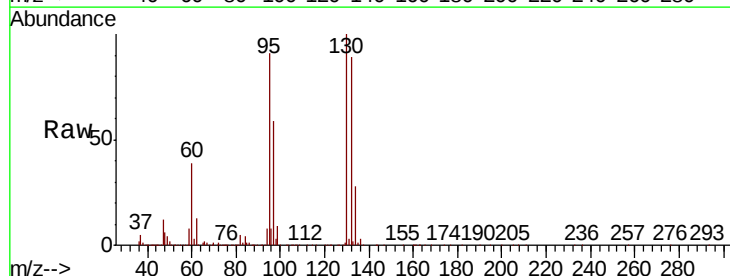
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	14.1	11.5	17.3

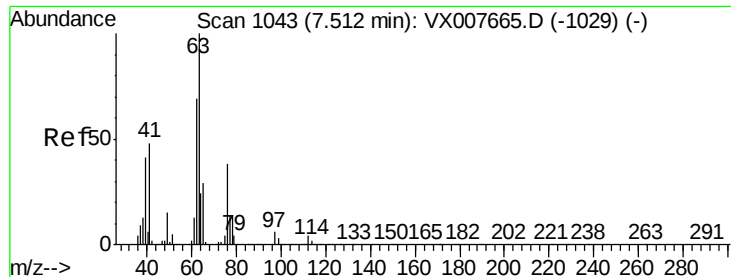


#44

Trichloroethene
 Concen: 48.786 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.134 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

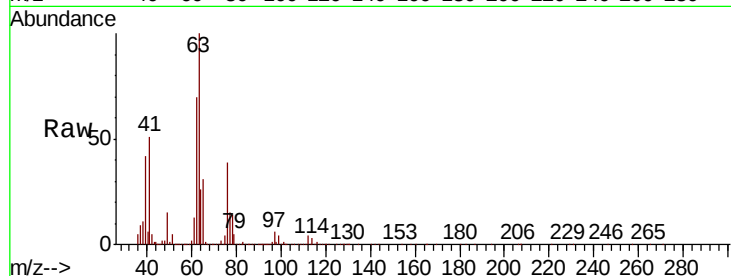
VSTDCCC050EC

Tot Ion: 63 Resp: 183844

Ion Ratio Lower Upper

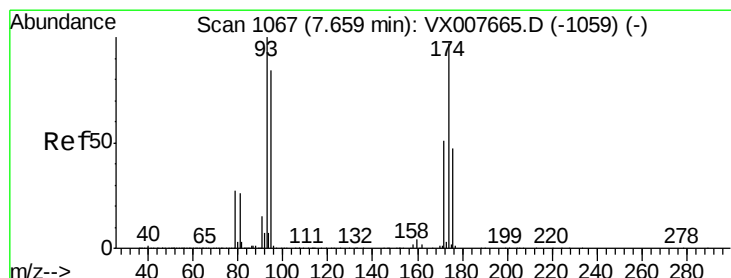
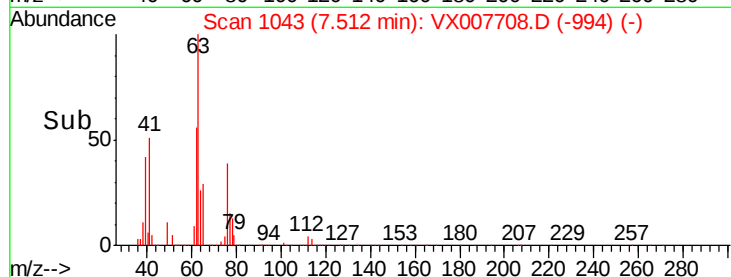
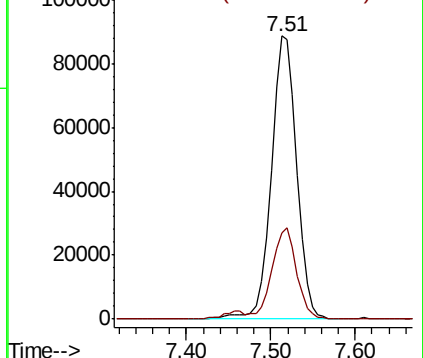
63 100

65 30.4 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.626 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

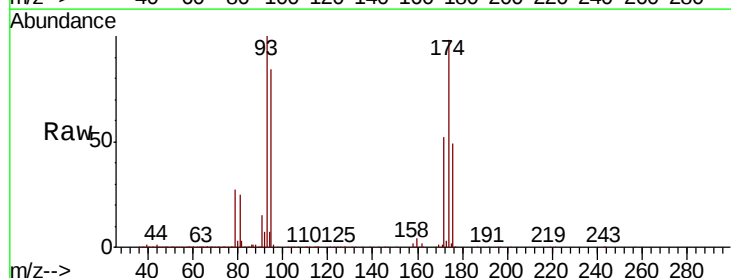
Tgt Ion: 93 Resp: 126904

Ion Ratio Lower Upper

93 100

95 84.7 67.6 101.4

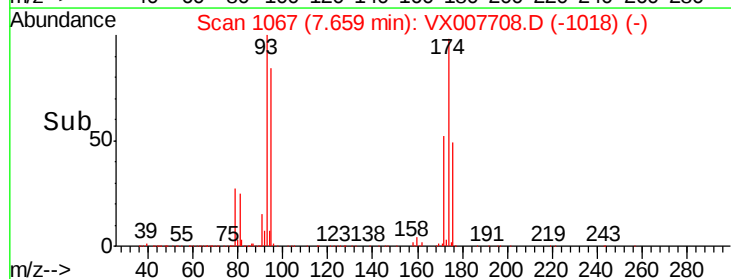
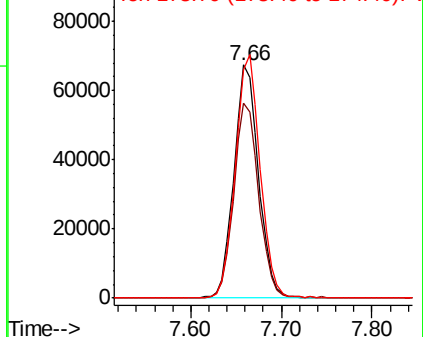
174 105.5 94.2 141.4

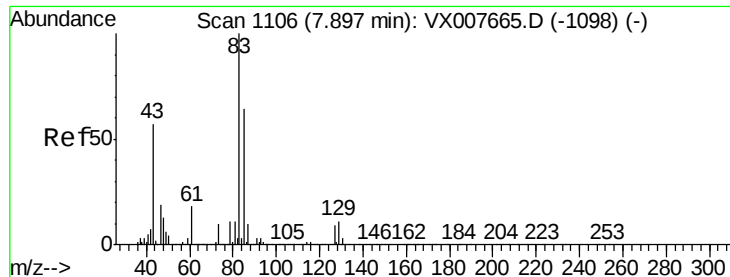


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.316 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

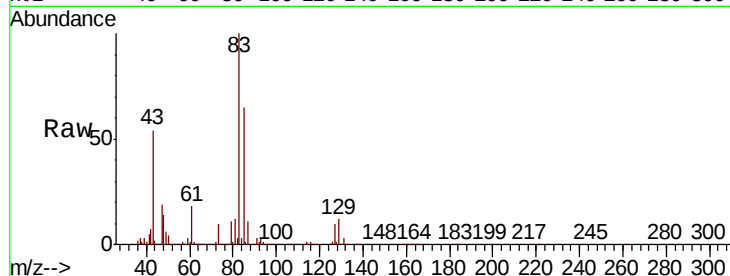
Tot Ion: 83 Resp: 232338

Ion Ratio Lower Upper

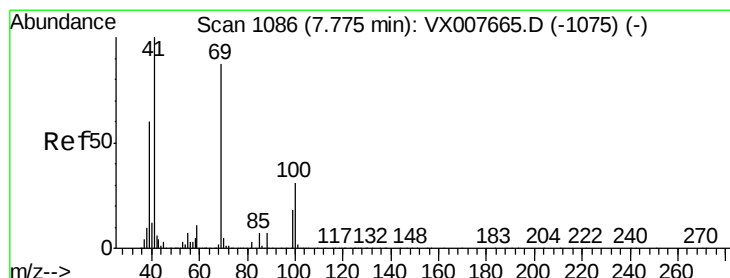
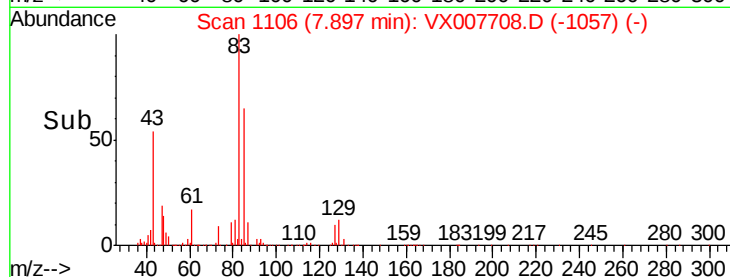
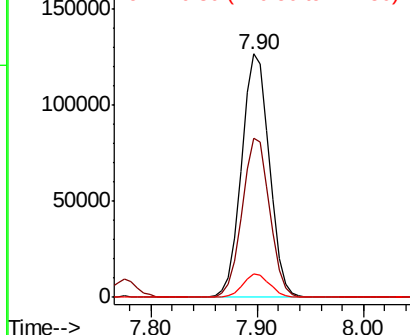
83 100

85 65.3 51.4 77.0

127 9.6 8.1 12.1



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: 48.630 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

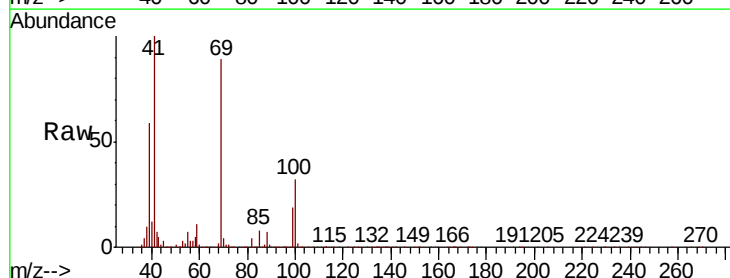
Tgt Ion: 41 Resp: 208158

Ion Ratio Lower Upper

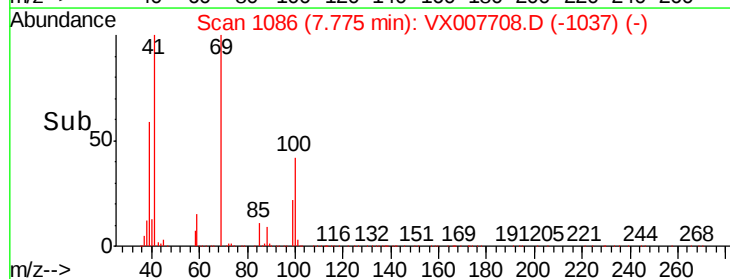
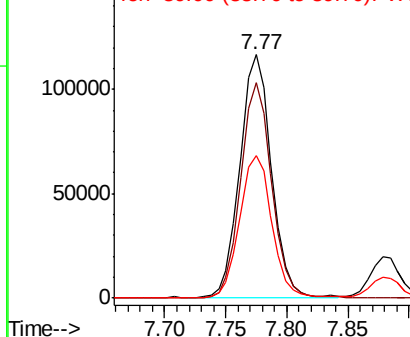
41 100

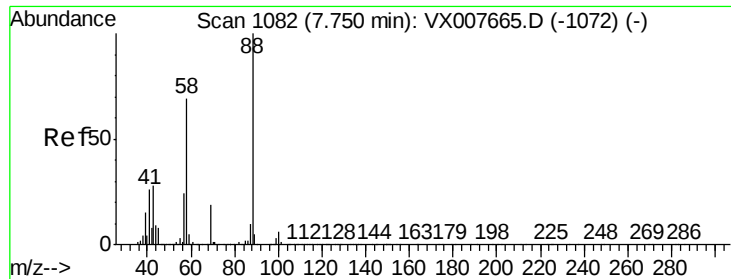
69 87.1 70.2 105.4

39 59.8 47.4 71.0



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

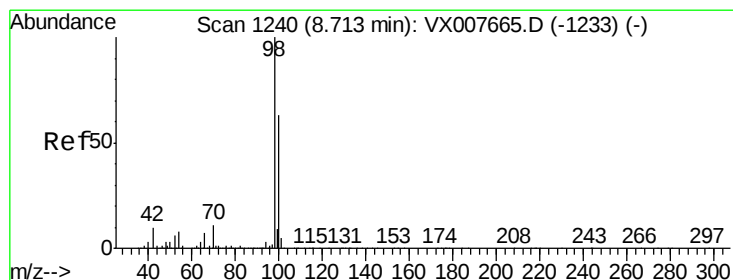
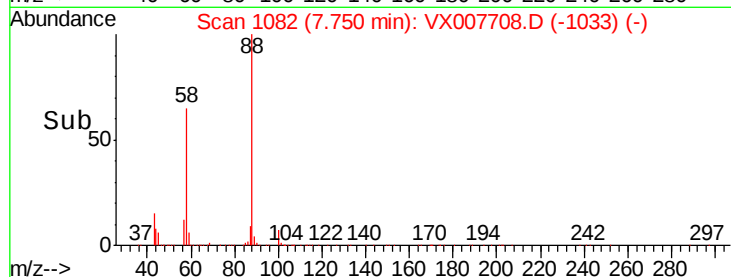
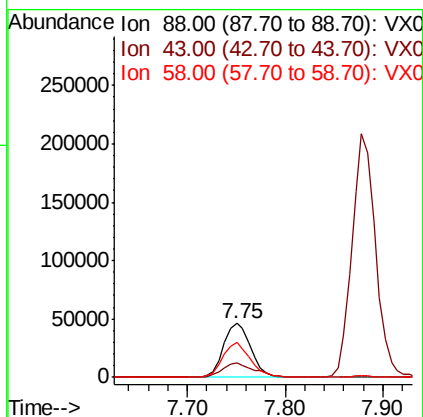
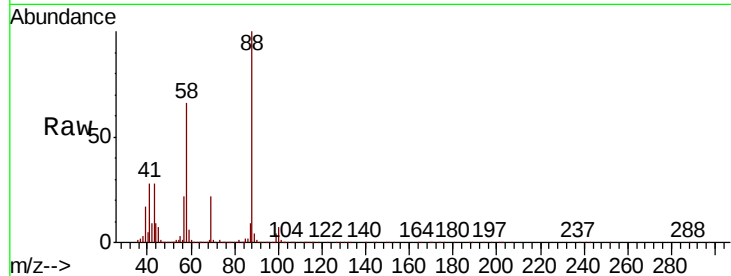




#49
 1,4-Dioxane
 Concen: 970.371 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

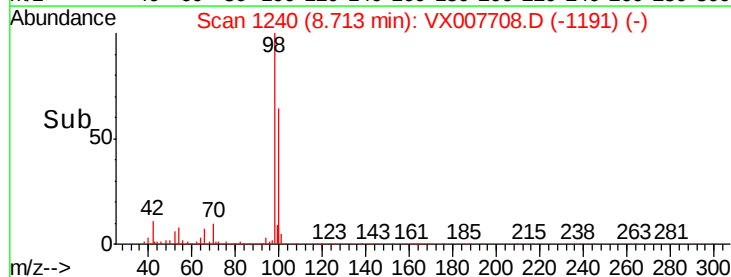
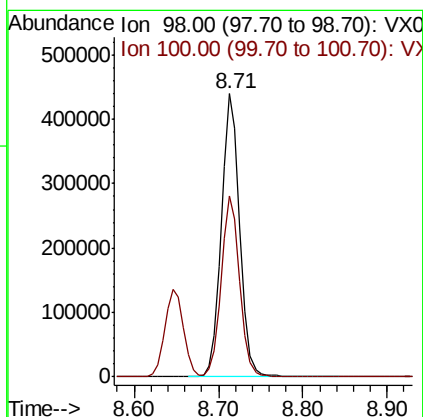
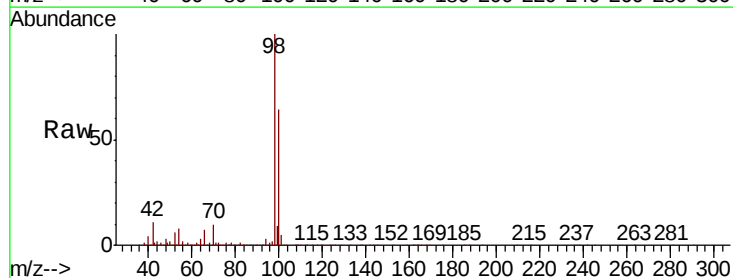
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

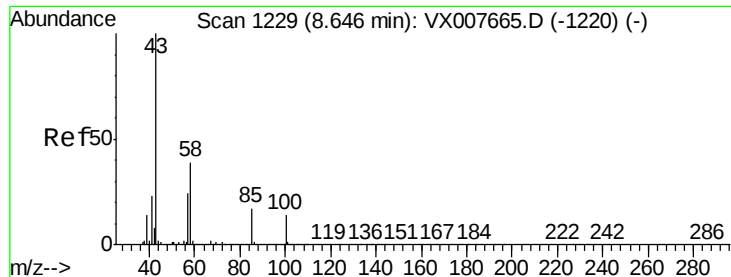
Tot Ion: 88 Resp: 89711
 Ion Ratio Lower Upper
 88 100
 43 30.4 24.2 36.4
 58 65.6 53.0 79.4



#50
 Toluene-d8
 Concen: 48.504 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Tgt Ion: 98 Resp: 659477
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 248.579 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

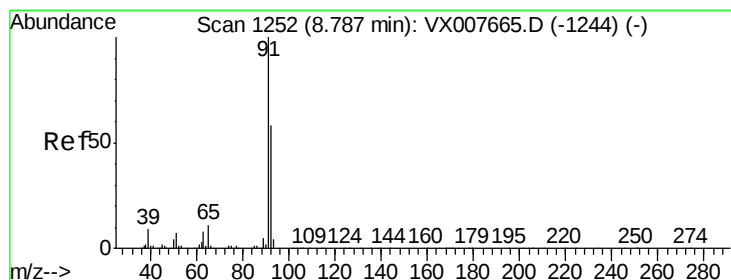
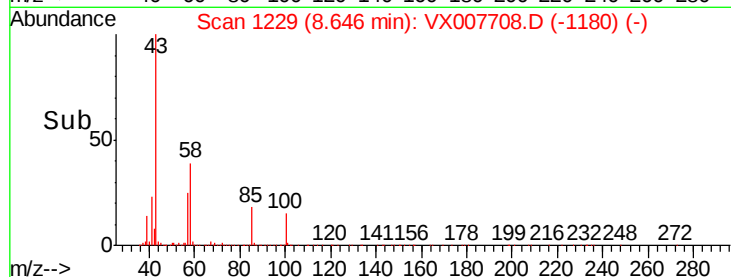
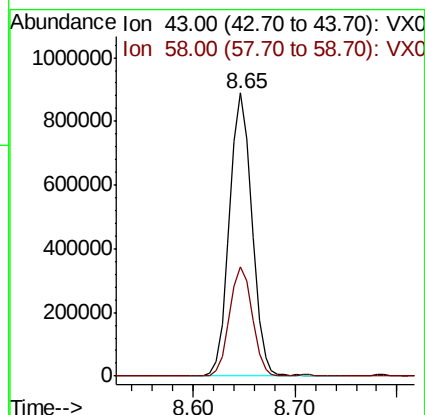
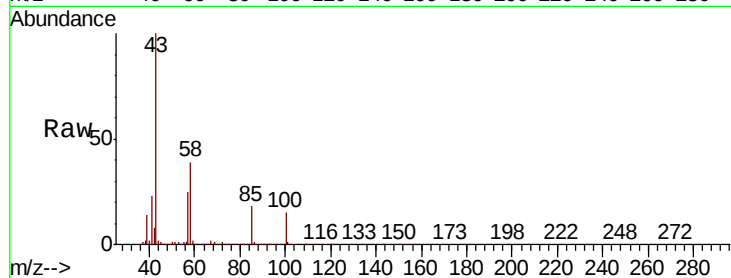
VSTDCCC050EC

Tot Ion: 43 Resp: 1358756

Ion Ratio Lower Upper

43 100

58 38.9 31.2 46.8



#52

Toluene

Concen: 50.151 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007708.D

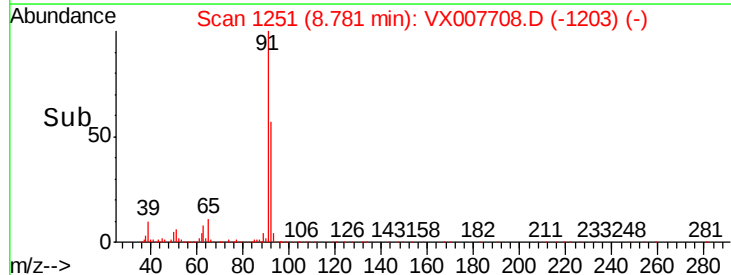
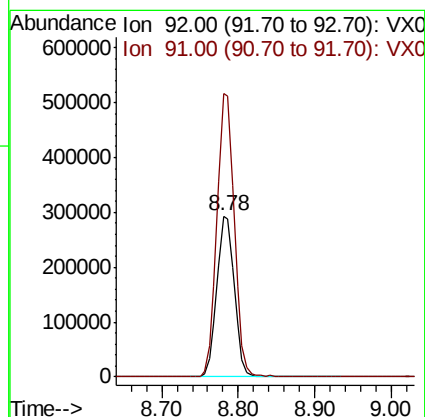
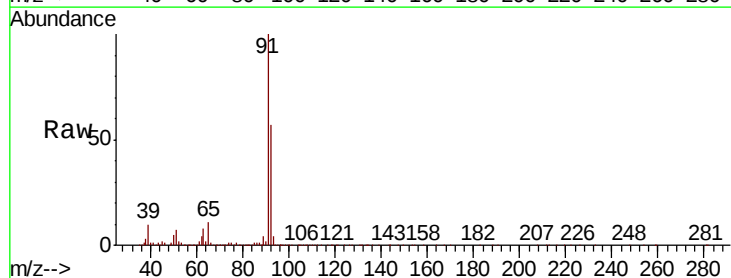
Acq: 26 Feb 2019 10:56

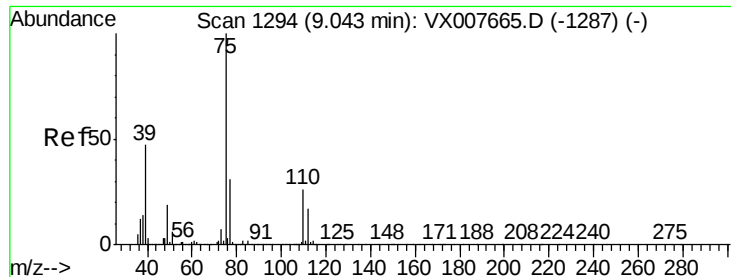
Tgt Ion: 92 Resp: 466288

Ion Ratio Lower Upper

92 100

91 175.1 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 41.563 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

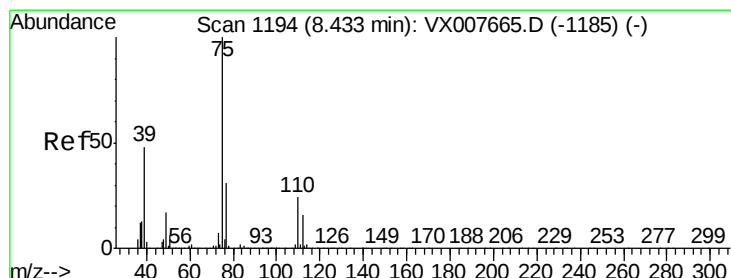
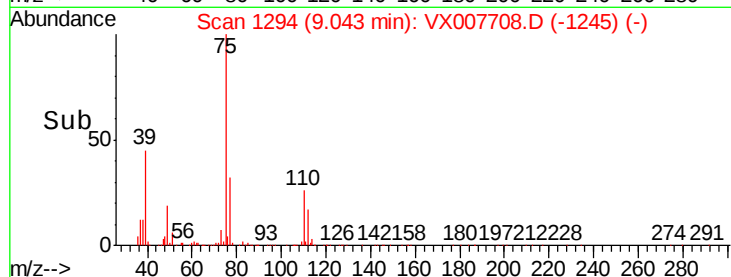
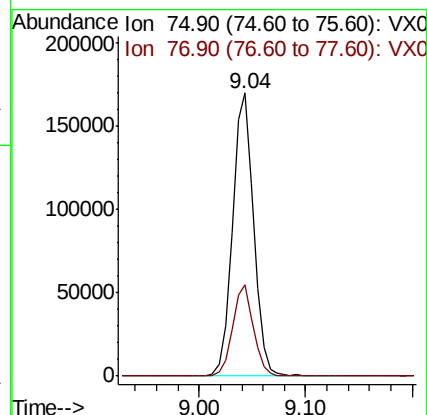
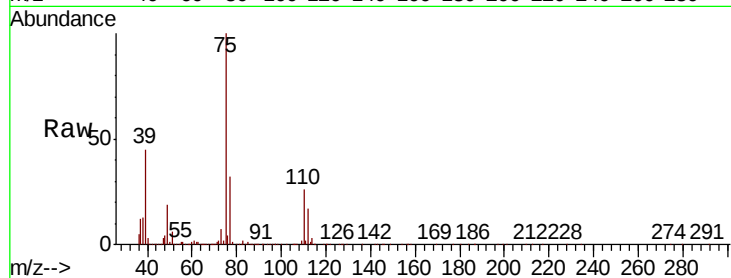
VSTDCCC050EC

Tot Ion: 75 Resp: 235721

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 46.421 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

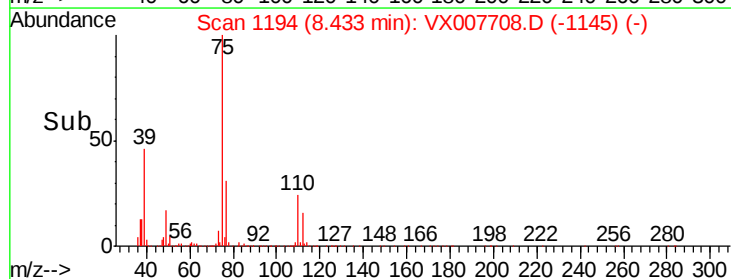
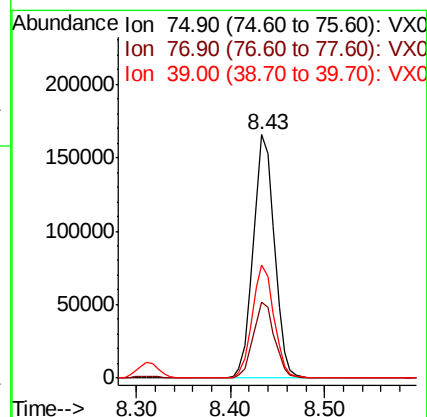
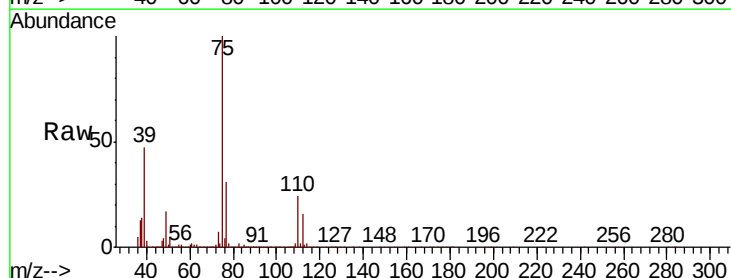
Tgt Ion: 75 Resp: 260126

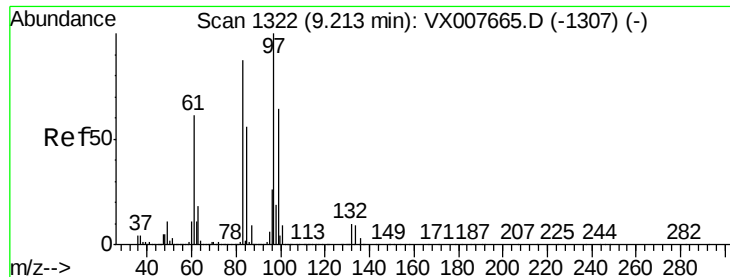
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.4

39 46.5 37.1 55.7

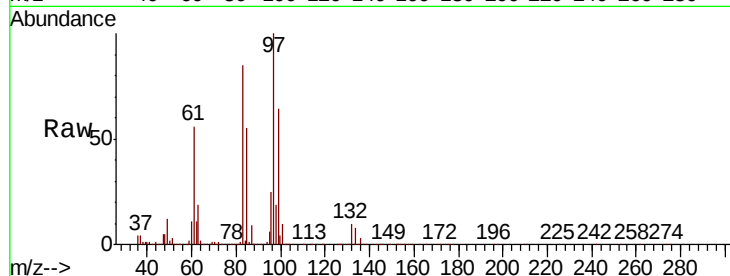




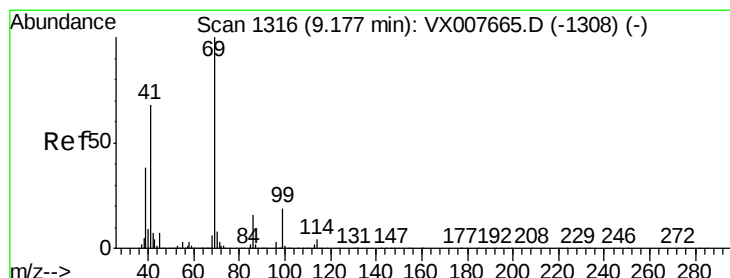
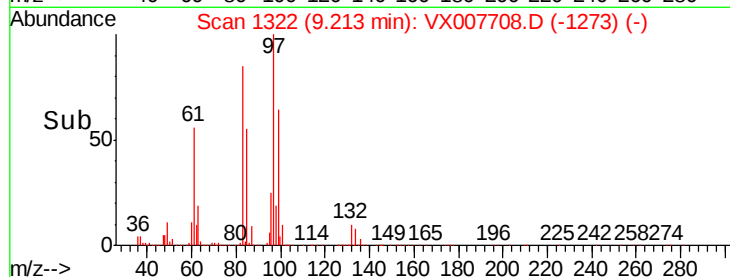
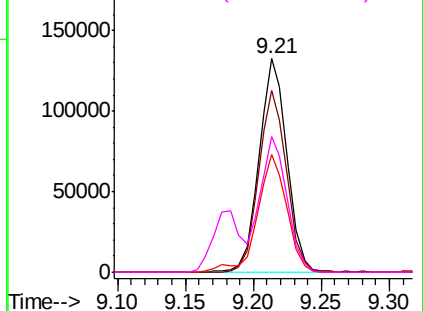
#55
 1,1,2-Trichloroethane
 Concen: 49.260 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	190989
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.6	102.8
85	54.8	44.5	66.7
99	63.4	52.2	78.4

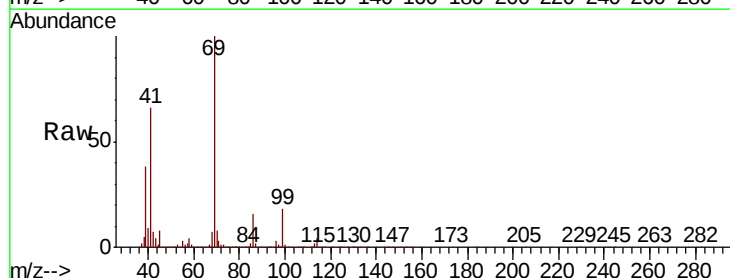


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

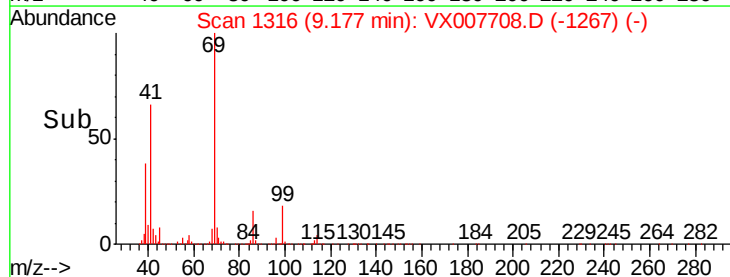
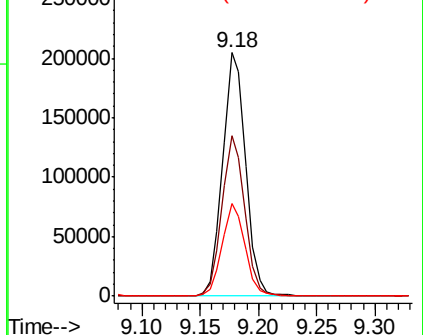


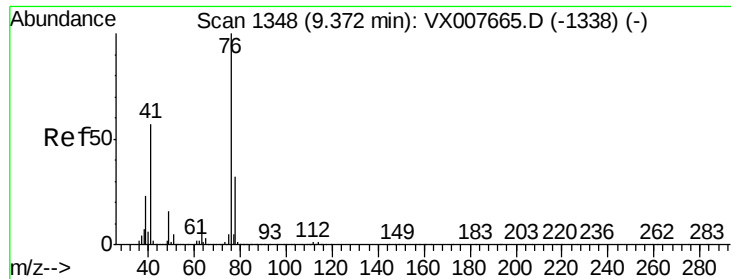
#56
 Ethyl methacrylate
 Concen: 50.789 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Tgt Ion:	69	Resp:	280029
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.1	78.1
39	37.5	30.1	45.1



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





#57

1,3-Dichloropropane

Concen: 49.190 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

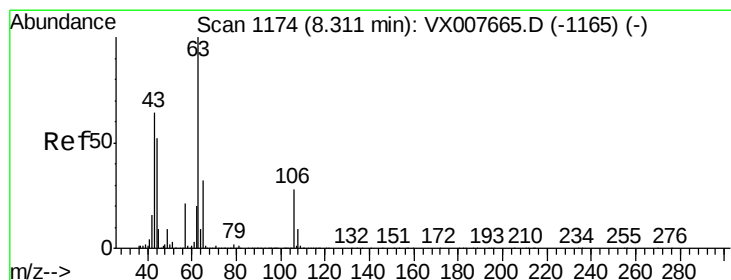
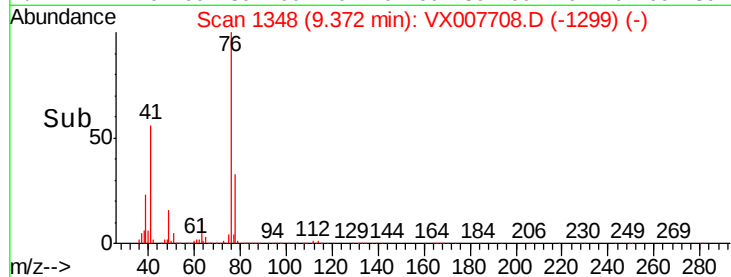
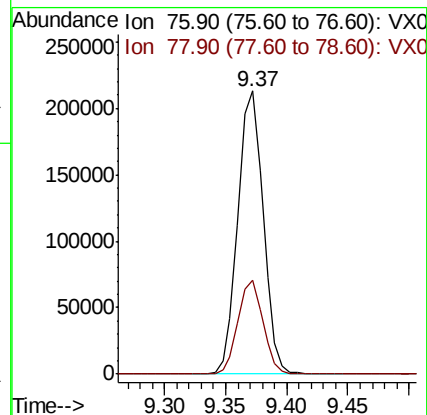
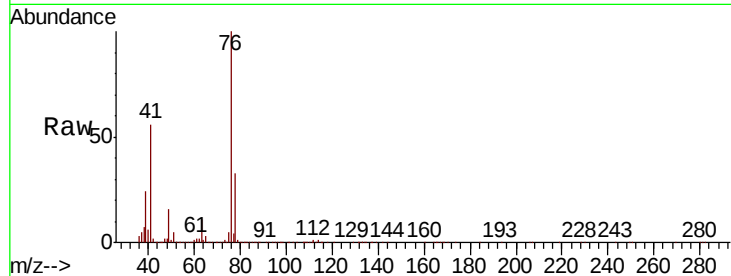
VSTDCCC050EC

Tot Ion: 76 Resp: 305293

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 242.263 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007708.D

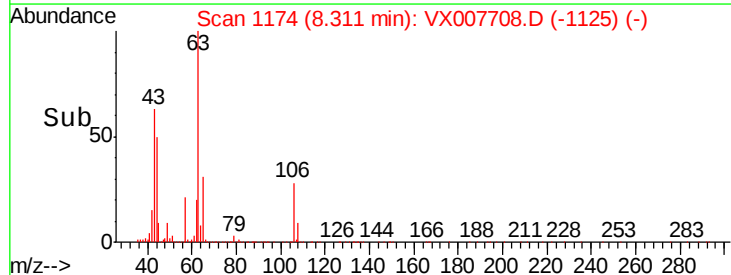
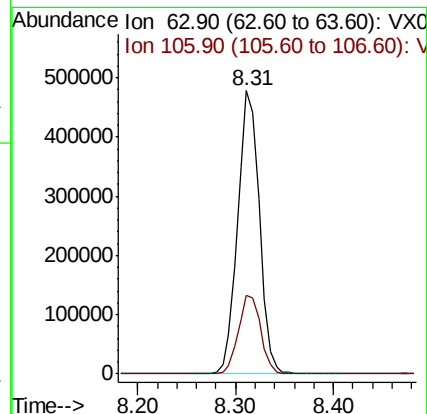
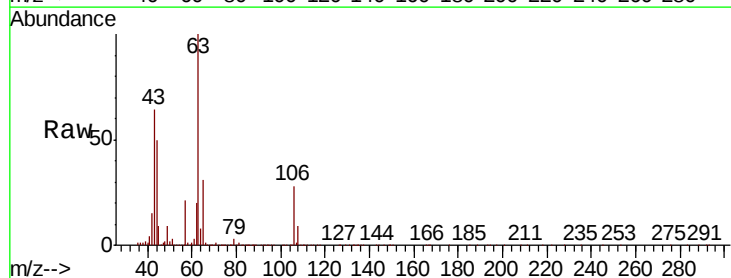
Acq: 26 Feb 2019 10:56

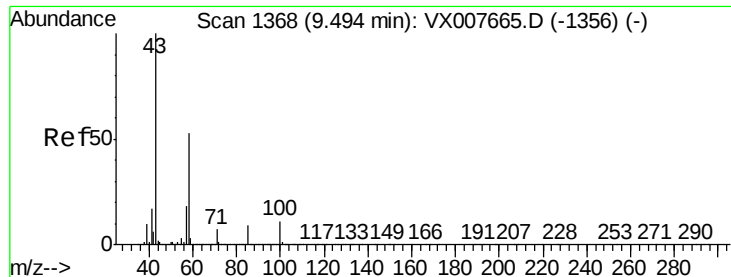
Tgt Ion: 63 Resp: 736593

Ion Ratio Lower Upper

63 100

106 28.7 23.6 35.4

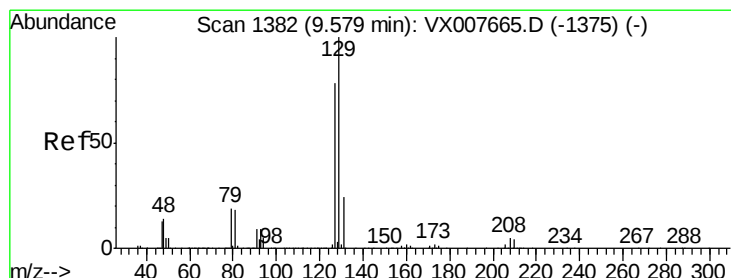
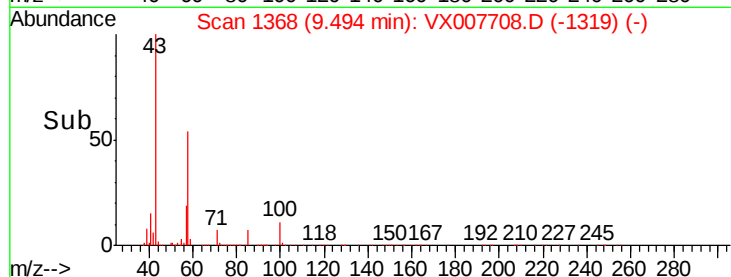
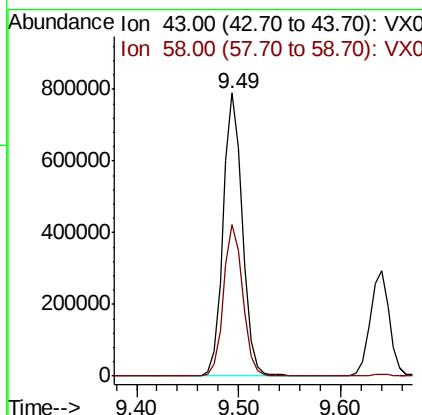
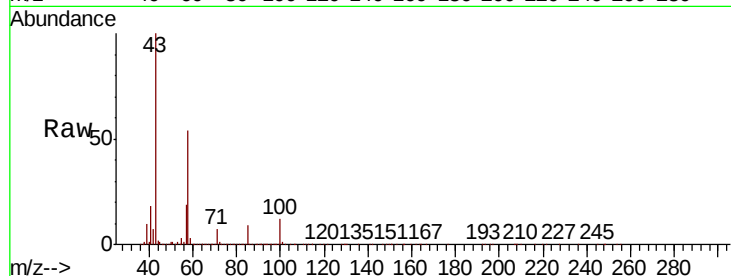




#59
2-Hexanone
Concen: 241.130 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

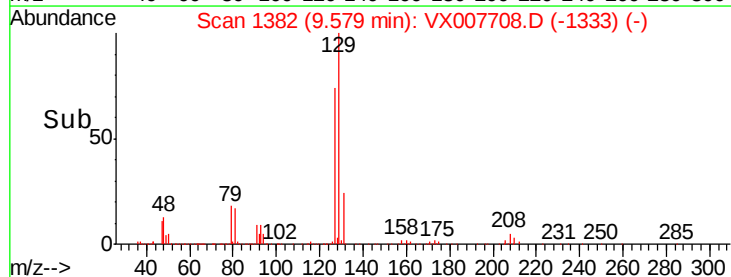
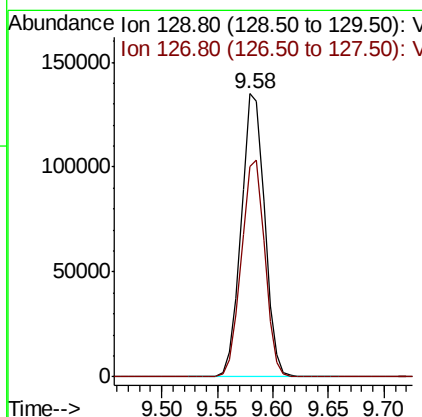
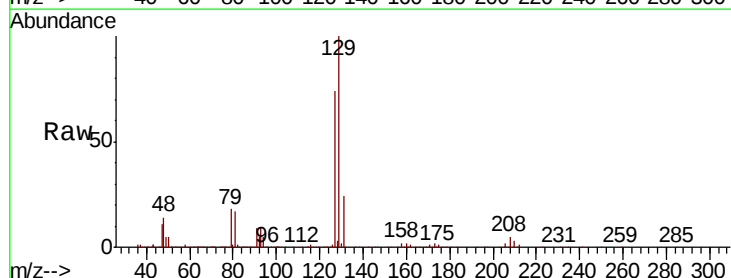
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

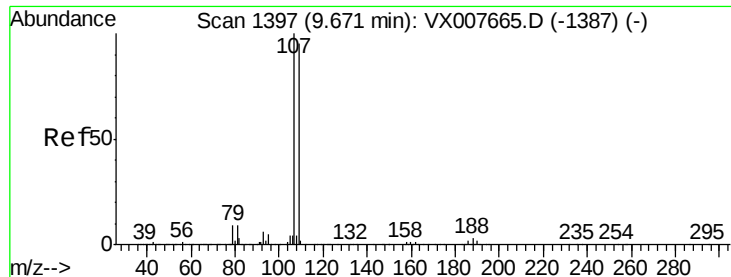
Tot Ion: 43 Resp: 1034778
Ion Ratio Lower Upper
43 100
58 53.7 27.1 81.3



#60
Dibromochloromethane
Concen: 52.962 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 129 Resp: 197585
Ion Ratio Lower Upper
129 100
127 76.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 50.794 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

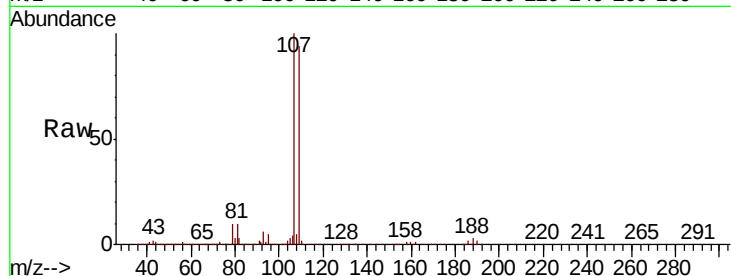
VSTDCCC050EC

Tot Ion:107 Resp: 204469

Ion Ratio Lower Upper

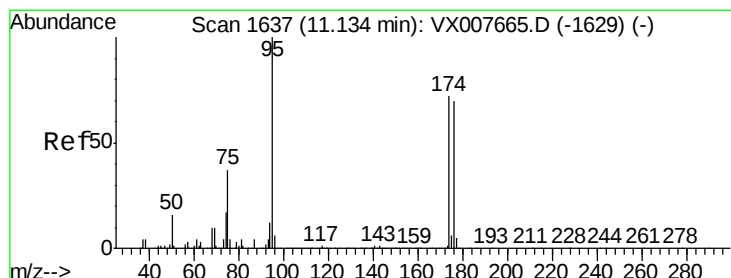
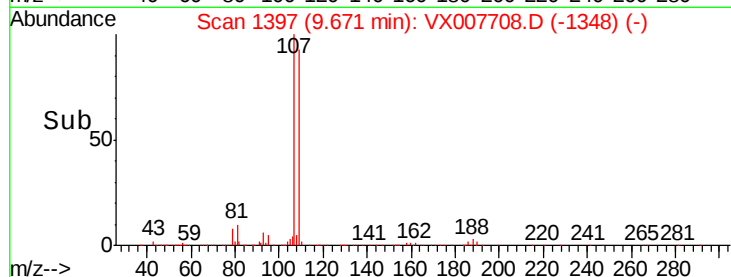
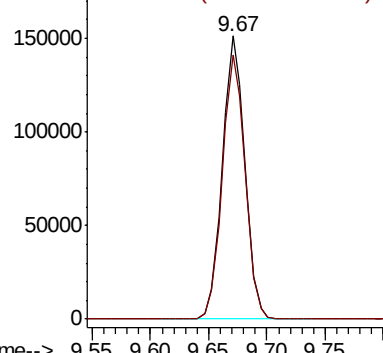
107 100

109 95.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.578 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

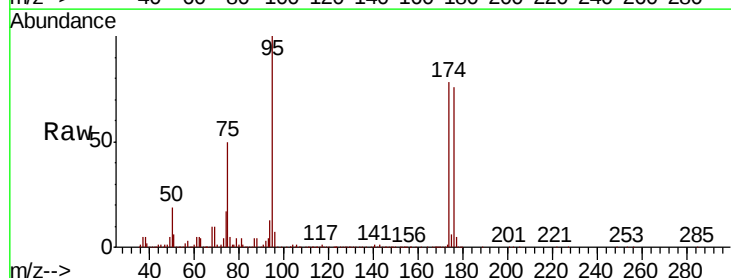
Tgt Ion: 95 Resp: 237430

Ion Ratio Lower Upper

95 100

174 82.7 0.0 189.2

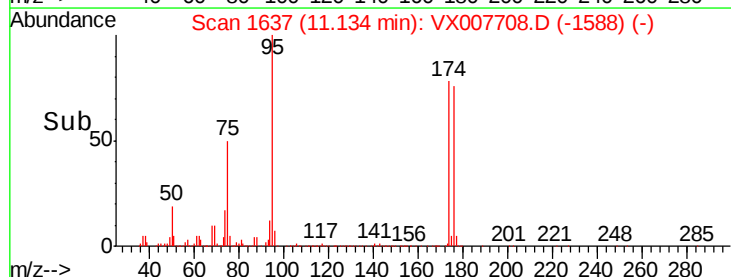
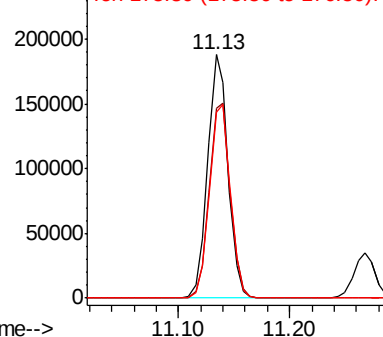
176 82.0 0.0 186.2

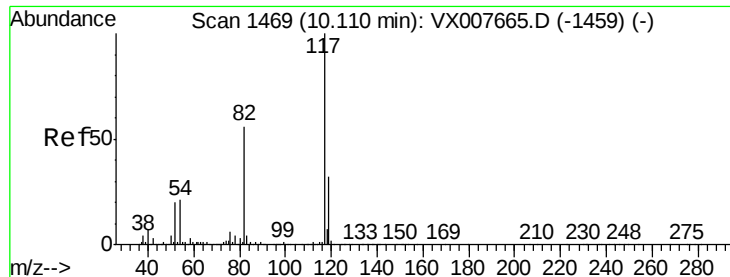


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

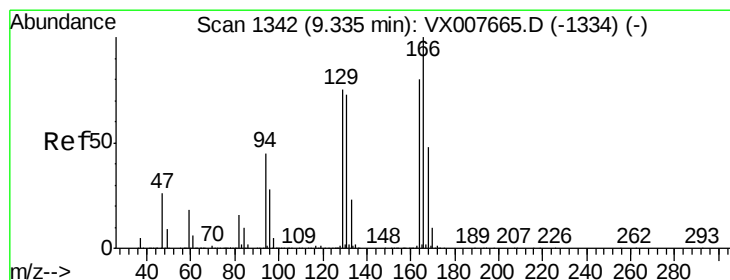
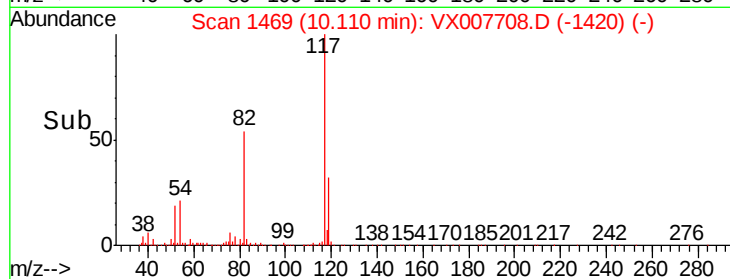
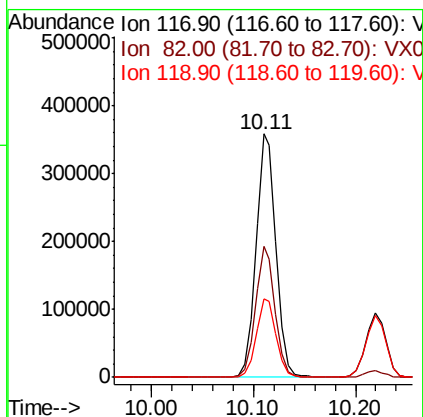
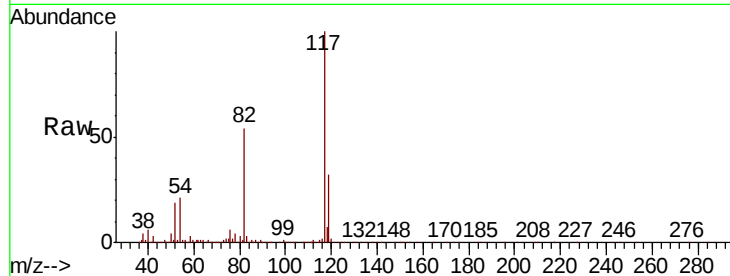




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

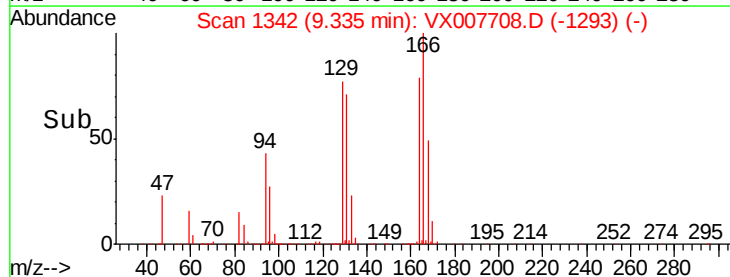
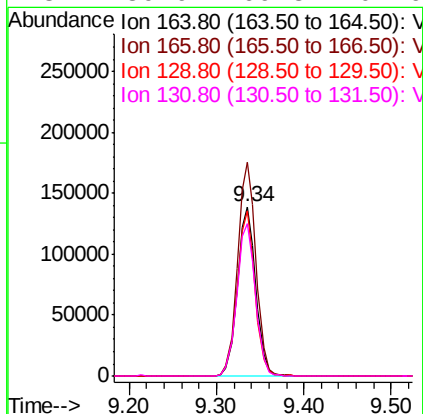
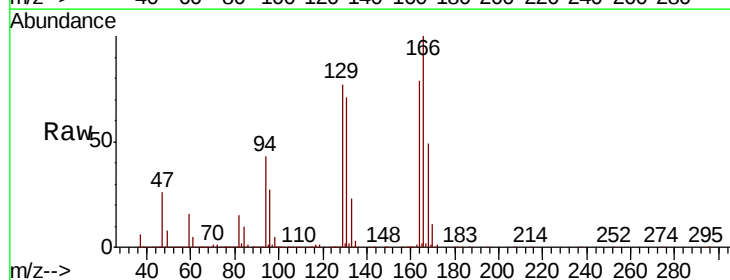
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

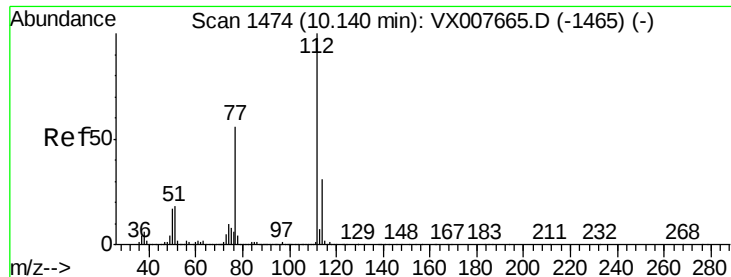
Tot Ion:117 Resp: 492523
Ion Ratio Lower Upper
117 100
82 54.0 42.1 63.1
119 32.2 26.5 39.7



#64
Tetrachloroethene
Concen: 50.944 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion:164 Resp: 203695
Ion Ratio Lower Upper
164 100
166 126.0 101.0 151.4
129 97.3 70.5 105.7
131 89.9 69.8 104.6





#65

Chlorobenzene

Concen: 48.693 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

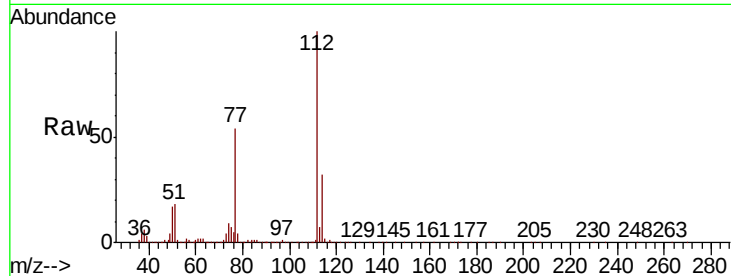
VSTDCCC050EC

Tot Ion:112 Resp: 518694

Ion Ratio Lower Upper

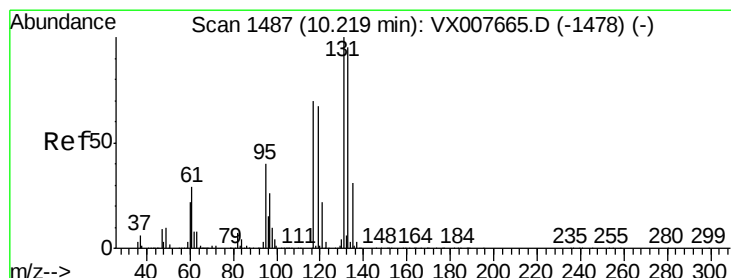
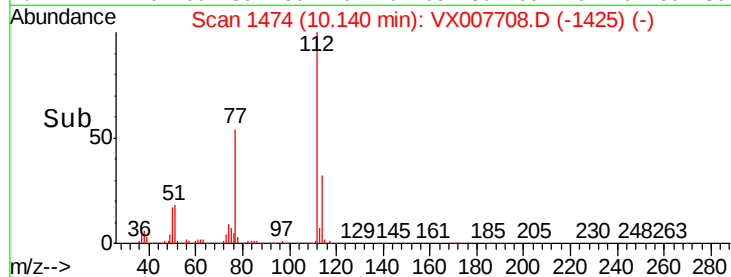
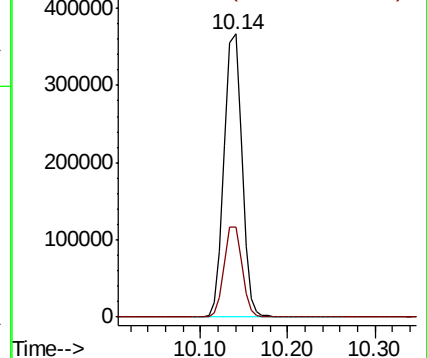
112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.437 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

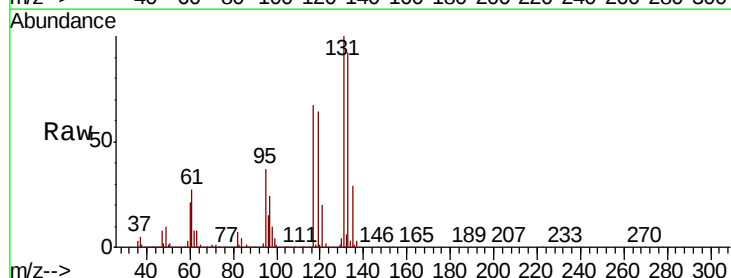
Tgt Ion:131 Resp: 187412

Ion Ratio Lower Upper

131 100

133 93.8 48.0 144.2

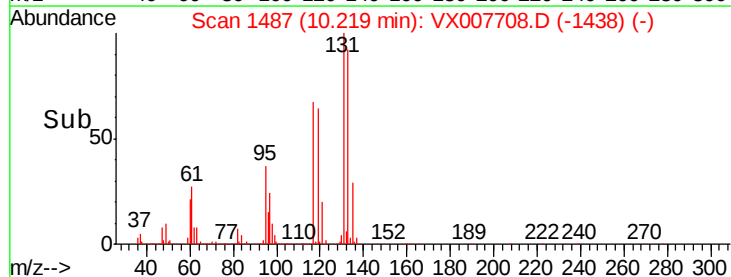
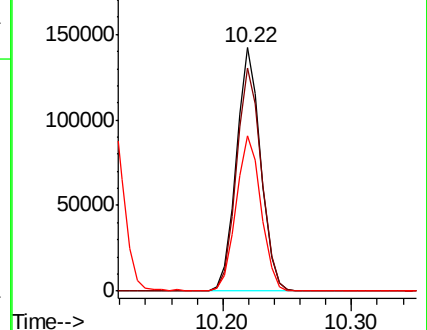
119 65.9 32.0 96.0

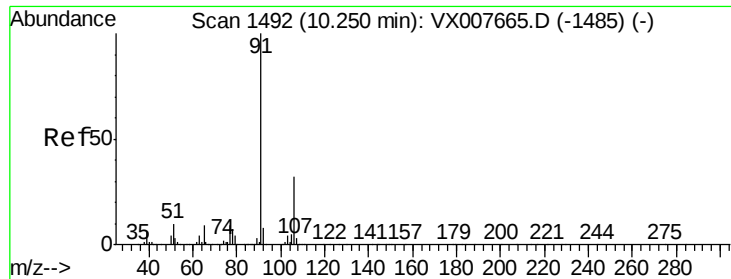


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

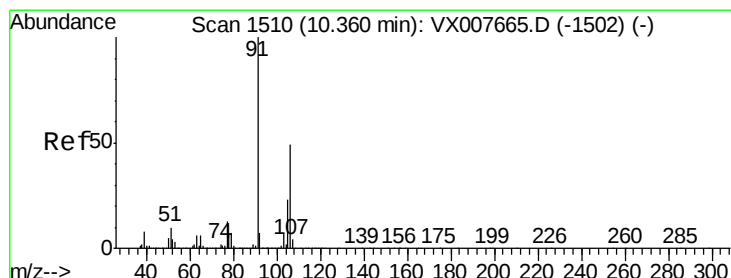
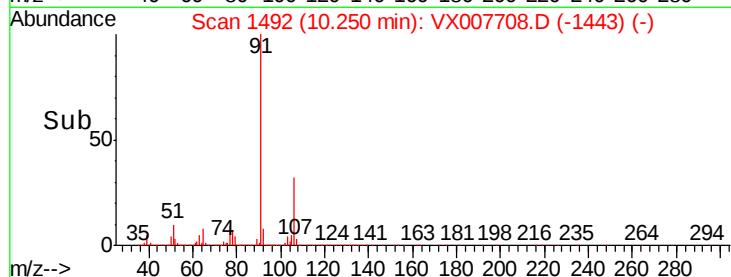
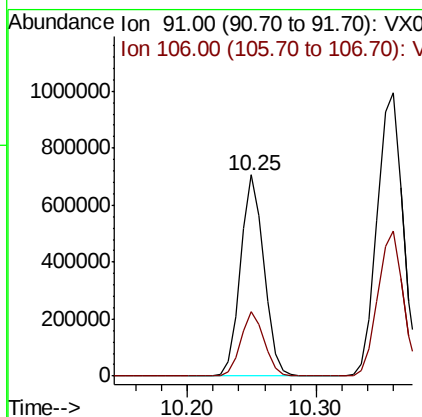
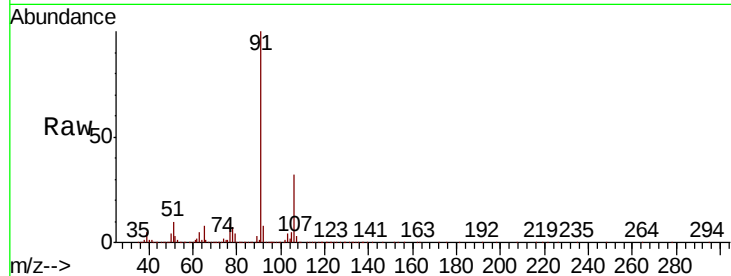




#67
Ethyl Benzene
Concen: 50.320 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

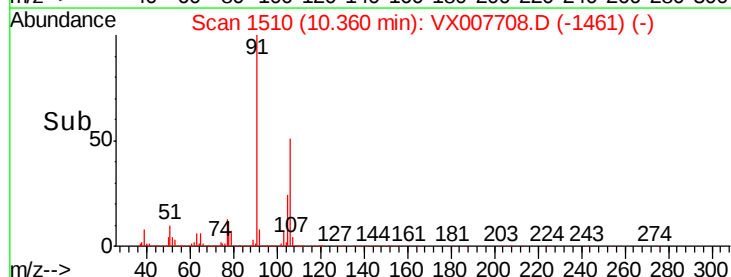
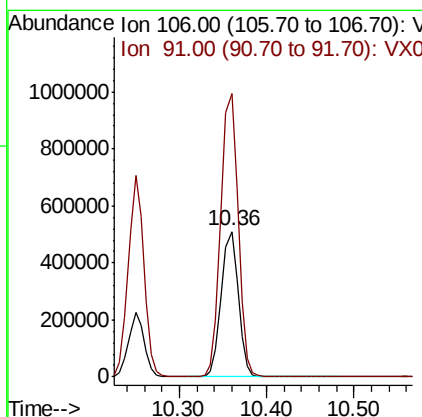
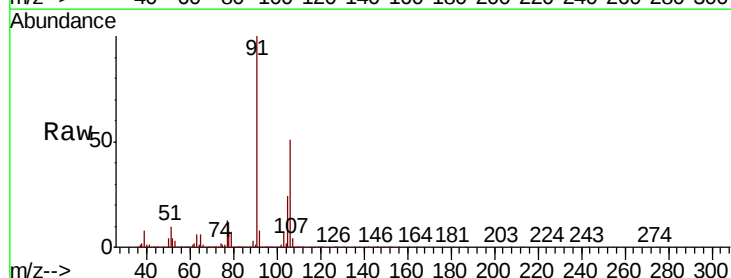
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

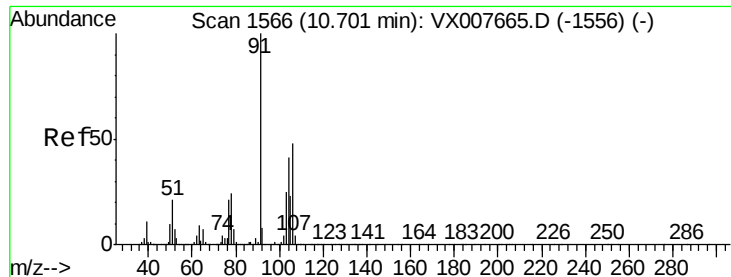
Tot Ion: 91 Resp: 887947
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0



#68
m/p-Xylenes
Concen: 100.271 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 106 Resp: 688347
Ion Ratio Lower Upper
106 100
91 197.8 156.6 234.8

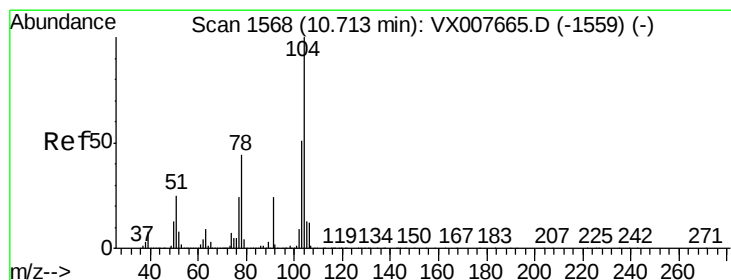
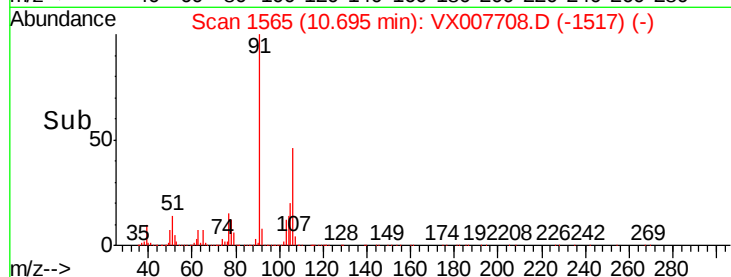
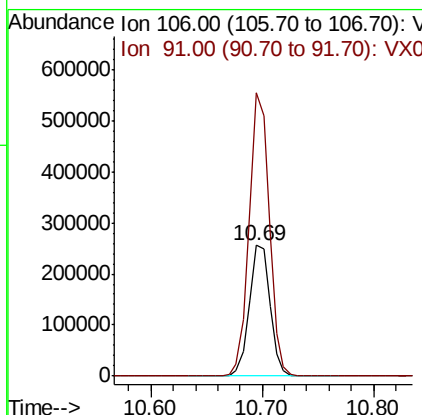
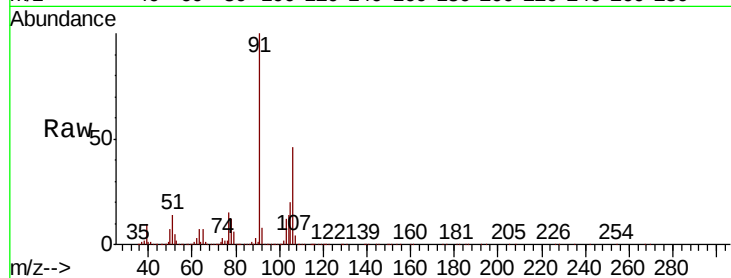




#69
o-Xylene
Concen: 50.366 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

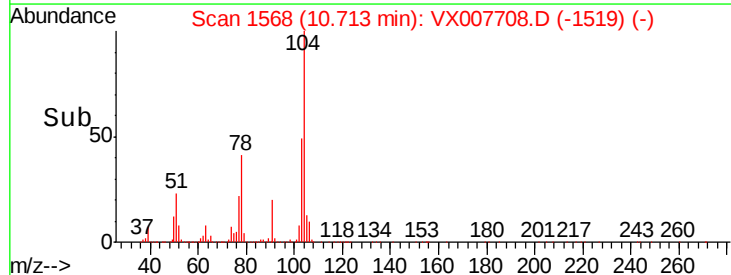
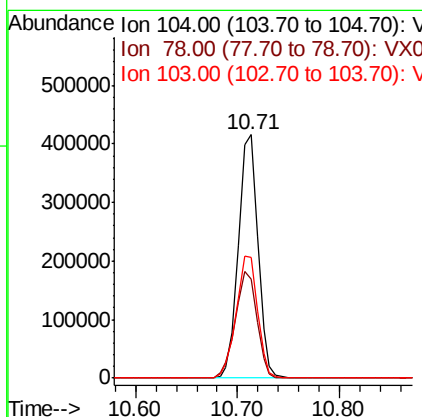
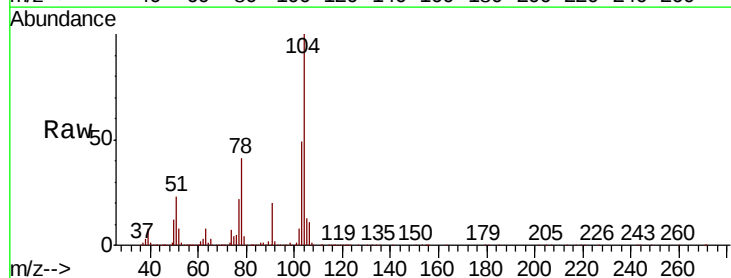
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

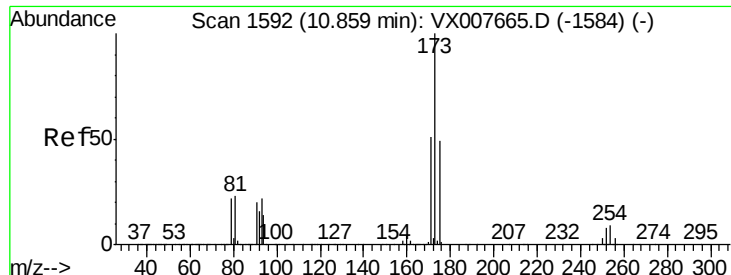
Tot Ion:106 Resp: 332578
Ion Ratio Lower Upper
106 100
91 210.6 102.9 308.7



#70
Styrene
Concen: 50.458 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion:104 Resp: 547656
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 55.1 44.6 67.0





#71

Bromoform

Concen: 49.767 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

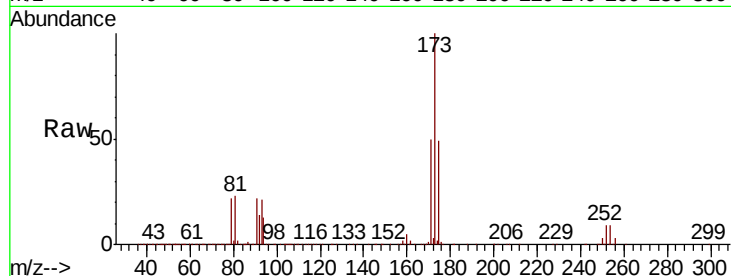
Tot Ion:173 Resp: 138668

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

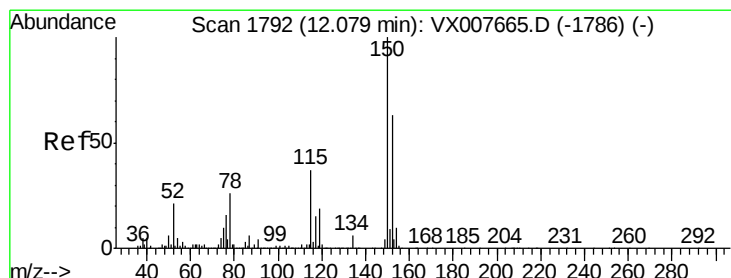
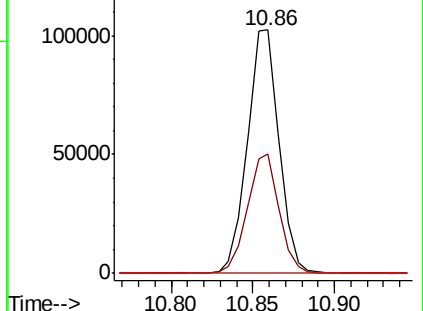
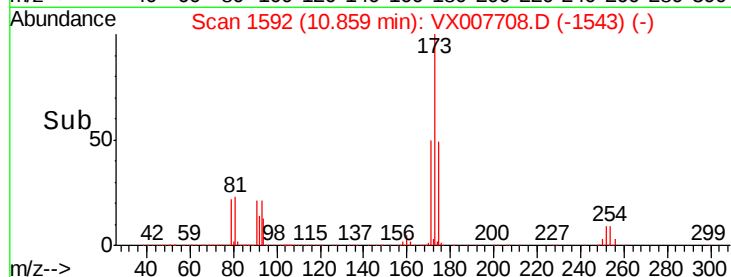
254 0.2 0.2 0.2



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

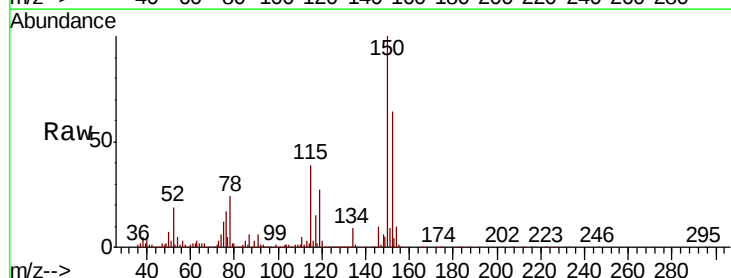
Tgt Ion:152 Resp: 246155

Ion Ratio Lower Upper

152 100

115 82.6 38.0 114.0

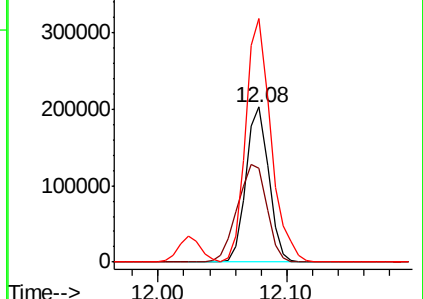
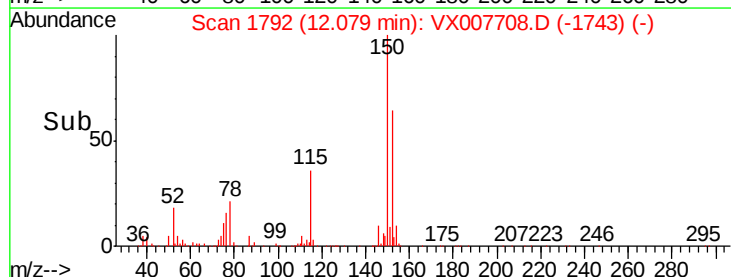
150 174.6 0.0 346.4

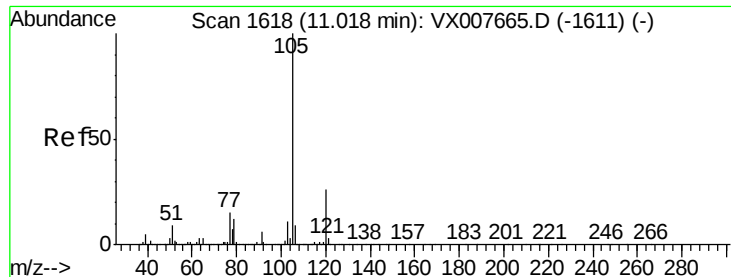


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.911 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

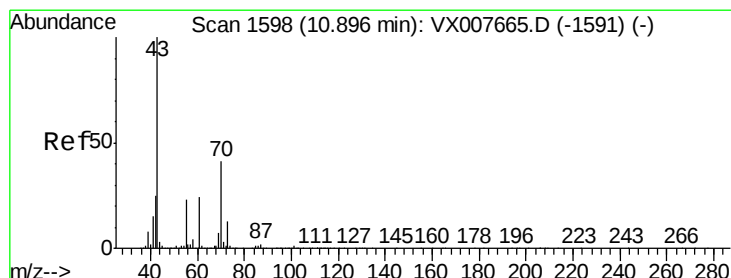
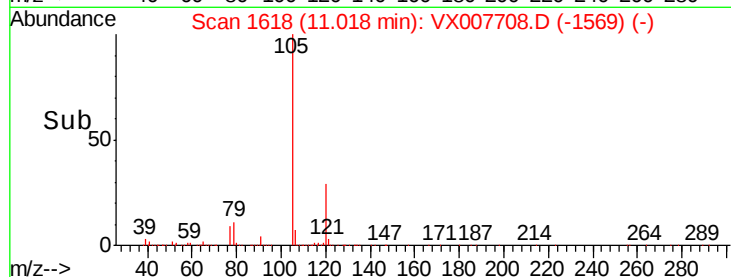
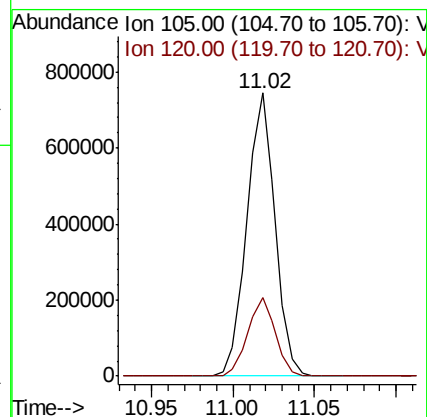
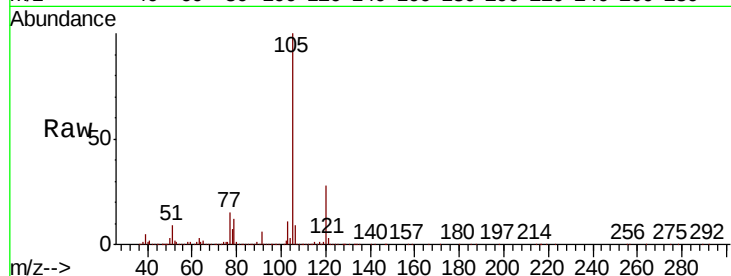
VSTDCCC050EC

Tot Ion:105 Resp: 895675

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 49.406 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Tgt Ion: 43 Resp: 377456

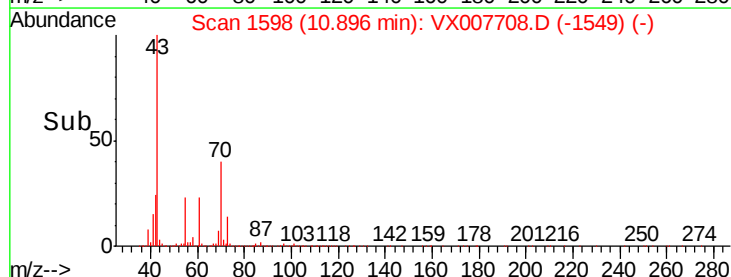
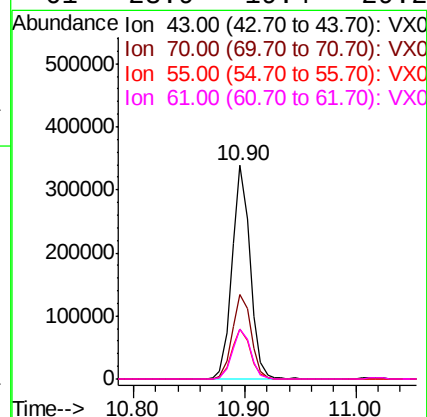
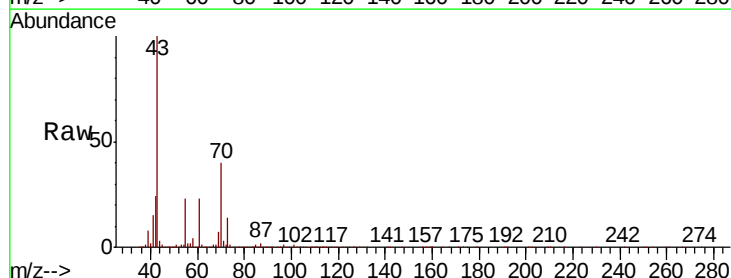
Ion Ratio Lower Upper

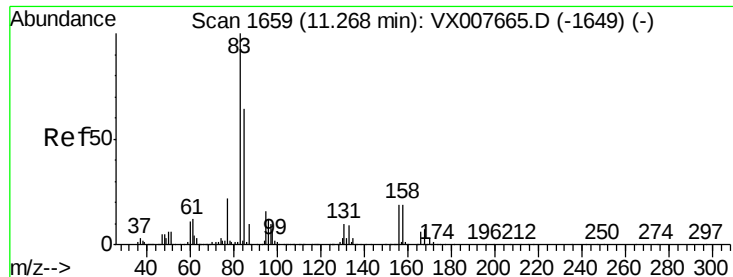
43 100

70 41.3 33.8 50.6

55 24.2 19.5 29.3

61 23.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.466 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

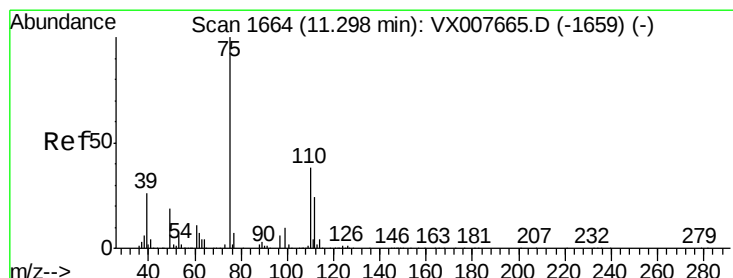
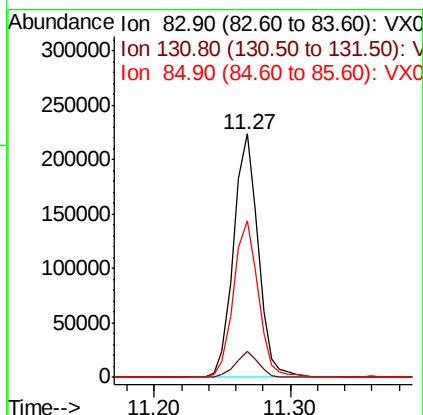
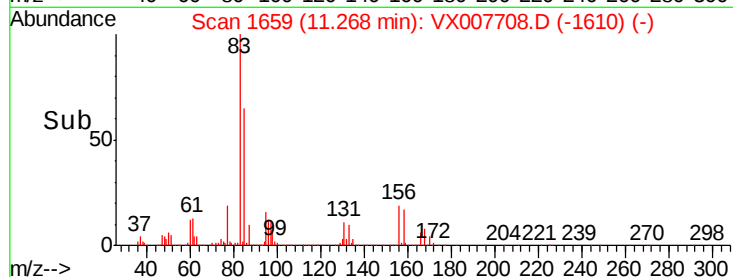
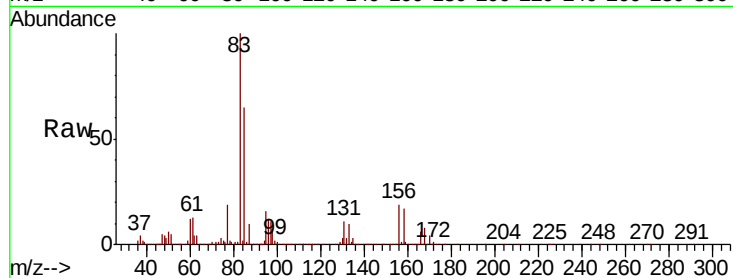
Tot Ion: 83 Resp: 282741

Ion Ratio Lower Upper

83 100

131 10.2 5.7 17.0

85 64.9 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 59.908 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007708.D

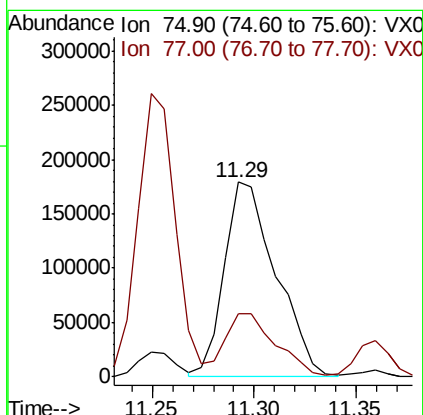
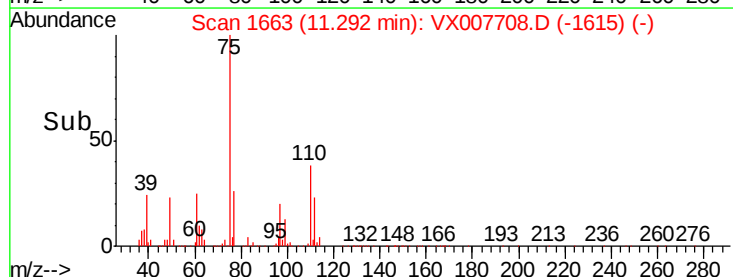
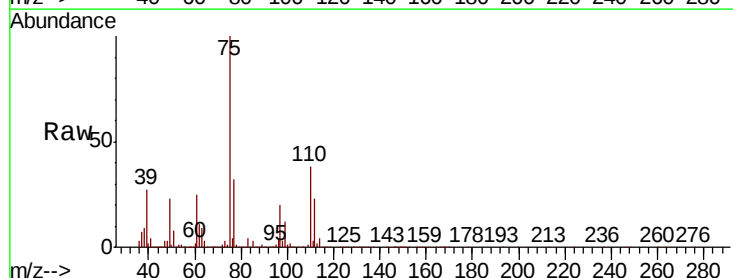
Acq: 26 Feb 2019 10:56

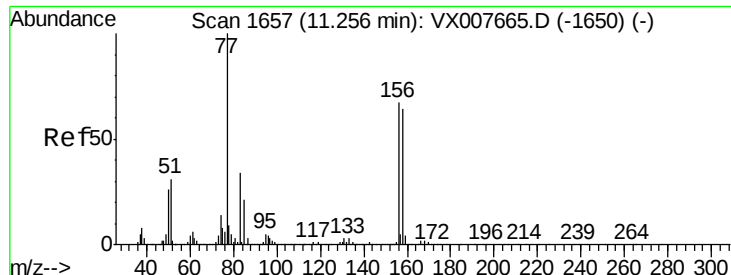
Tgt Ion: 75 Resp: 314334

Ion Ratio Lower Upper

75 100

77 32.5 23.0 69.0





#77

Bromobenzene

Concen: 51.115 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

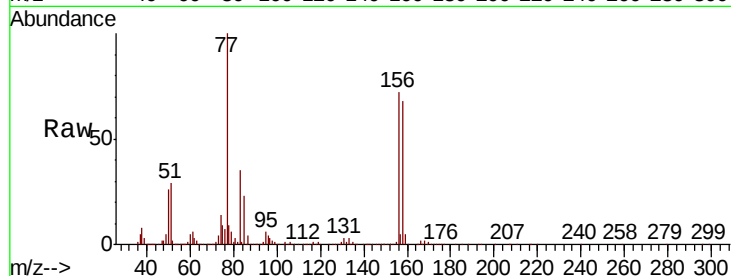
Tot Ion:156 Resp: 225557

Ion Ratio Lower Upper

156 100

77 147.9 66.8 200.6

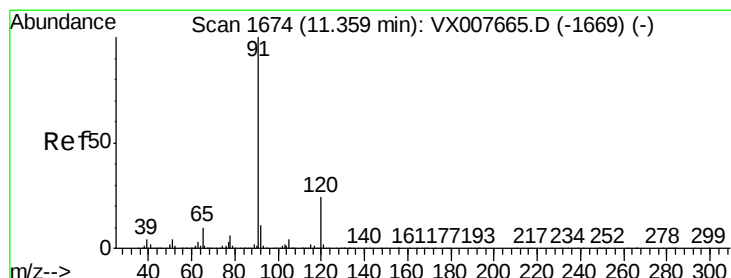
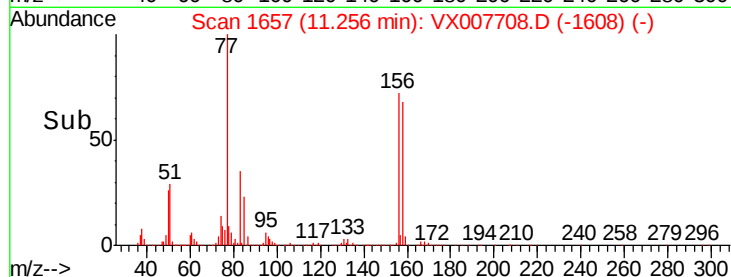
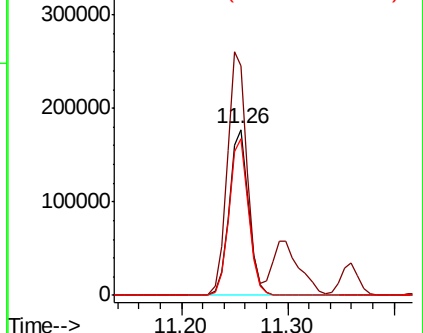
158 95.2 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.032 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007708.D

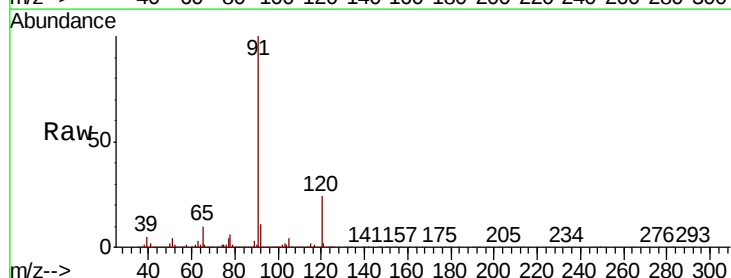
Acq: 26 Feb 2019 10:56

Tgt Ion: 91 Resp: 1034417

Ion Ratio Lower Upper

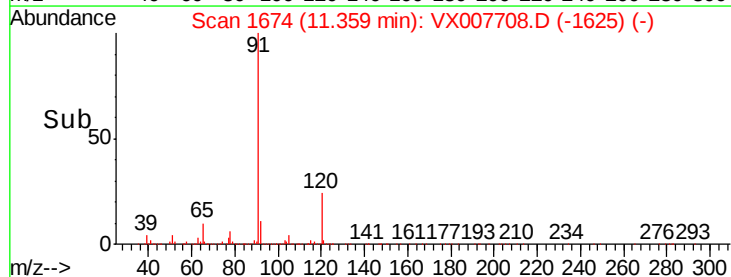
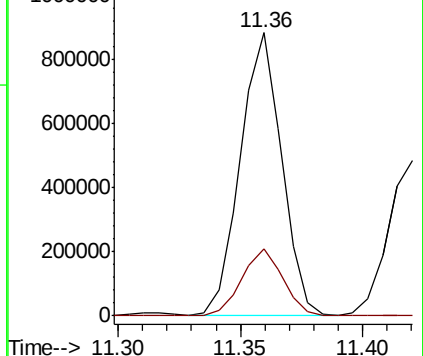
91 100

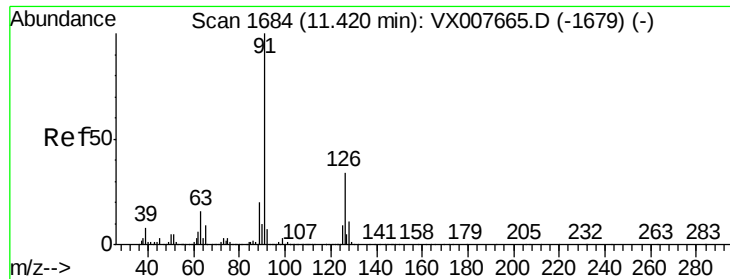
120 23.7 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

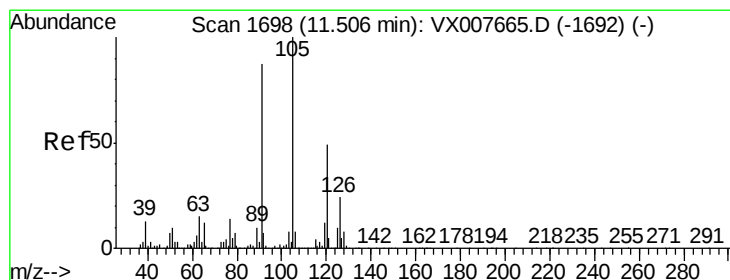
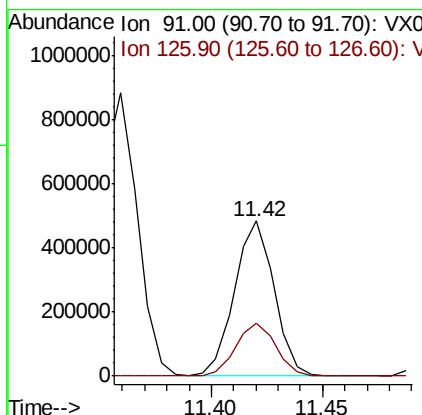
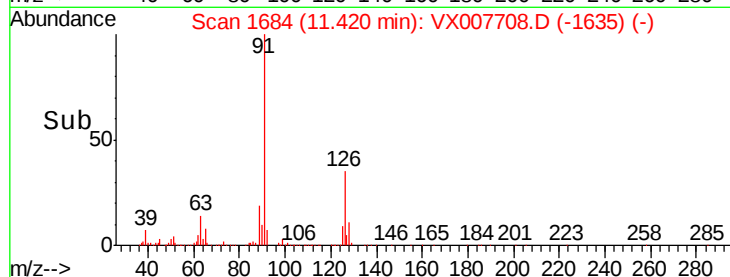
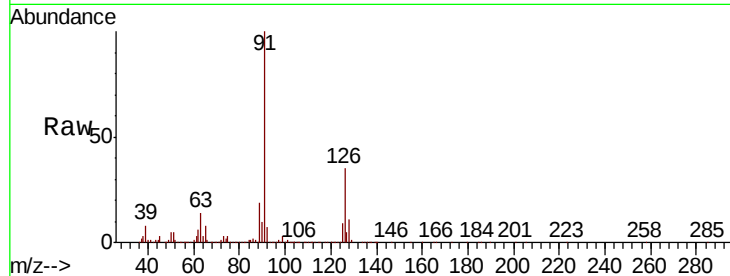




#79
 2-Chlorotoluene
 Concen: 50.080 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

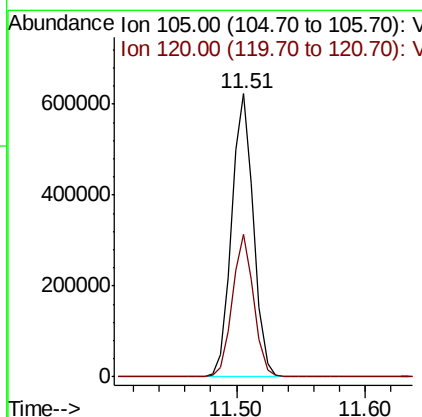
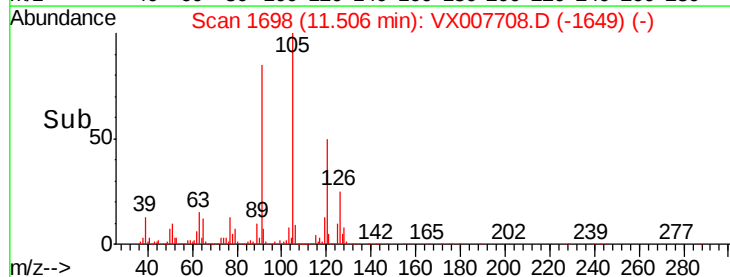
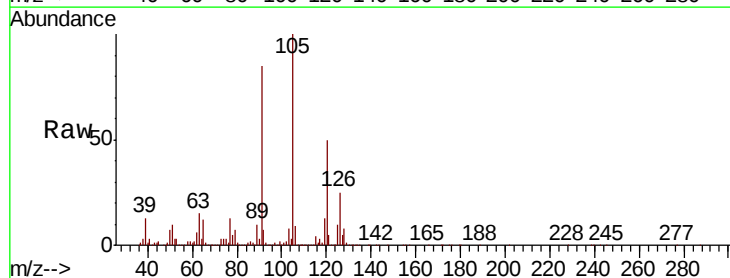
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

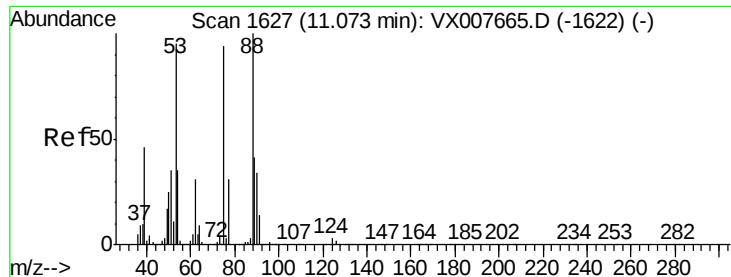
Tot Ion: 91 Resp: 599481
 Ion Ratio Lower Upper
 91 100
 126 34.7 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.930 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Tgt Ion: 105 Resp: 737021
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.3 75.8

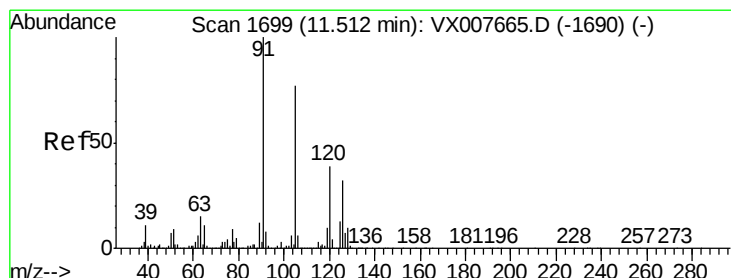
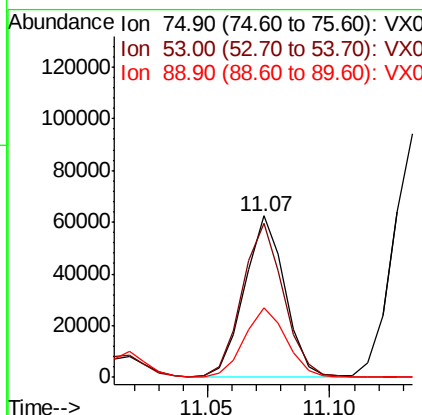
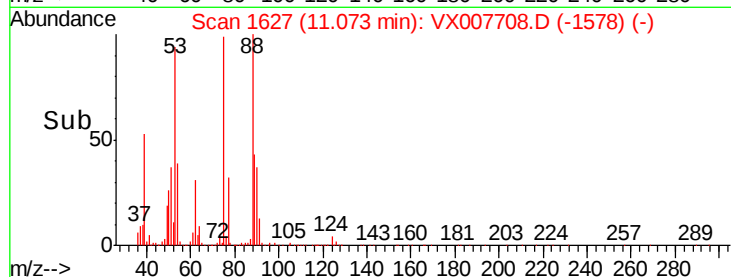
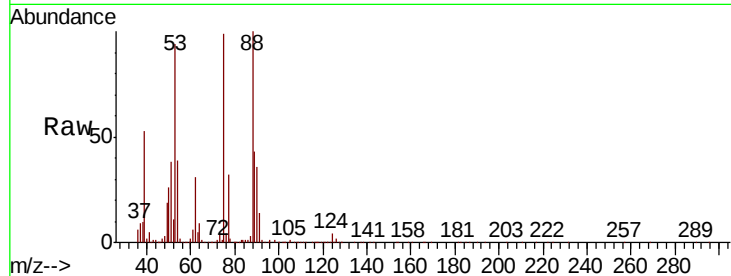




#81
trans-1,4-Dichloro-2-butene
Concen: 37.273 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

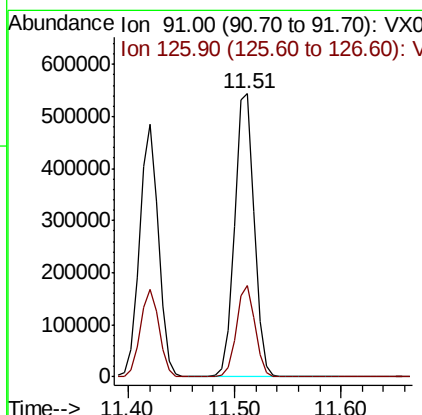
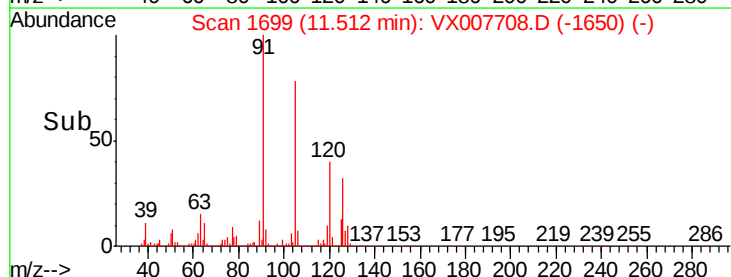
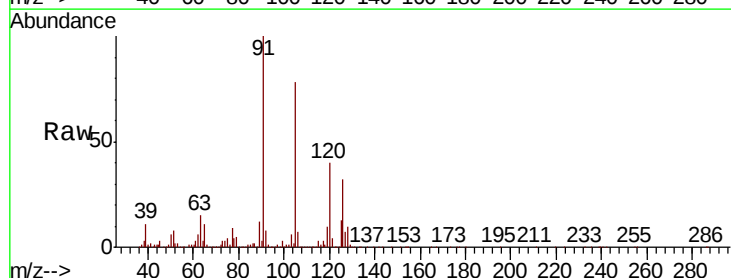
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

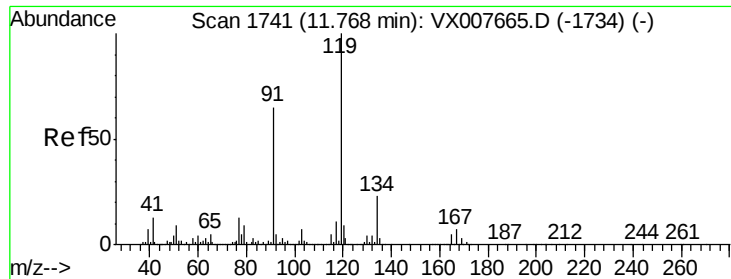
Tot Ion: 75 Resp: 71385
Ion Ratio Lower Upper
75 100
53 97.3 81.0 121.6
89 45.5 41.4 62.0



#82
4-Chlorotoluene
Concen: 50.233 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 91 Resp: 703431
Ion Ratio Lower Upper
91 100
126 30.7 16.2 48.5





#83

tert-Butylbenzene

Concen: 50.927 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

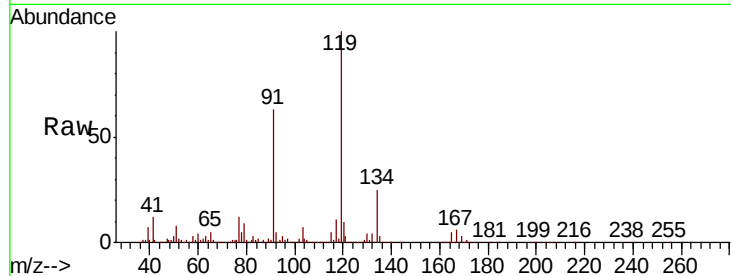
Tot Ion:119 Resp: 707608

Ion Ratio Lower Upper

119 100

91 59.5 28.5 85.6

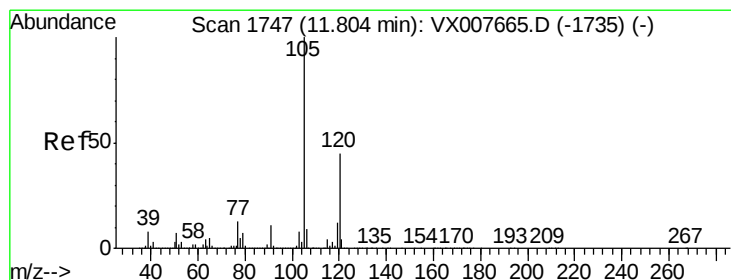
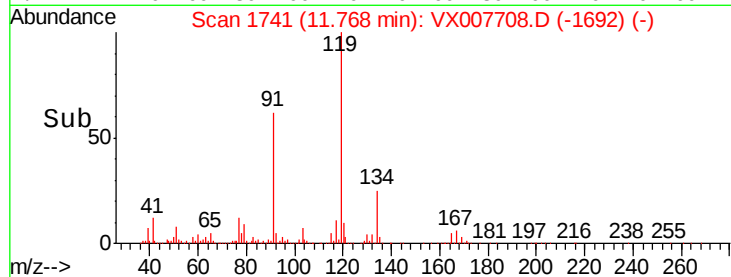
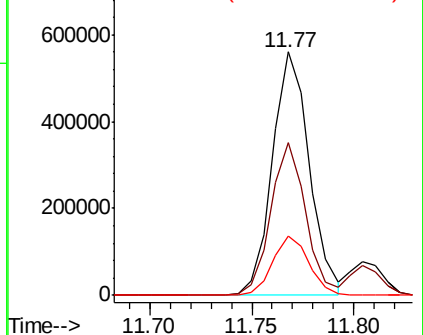
134 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.532 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007708.D

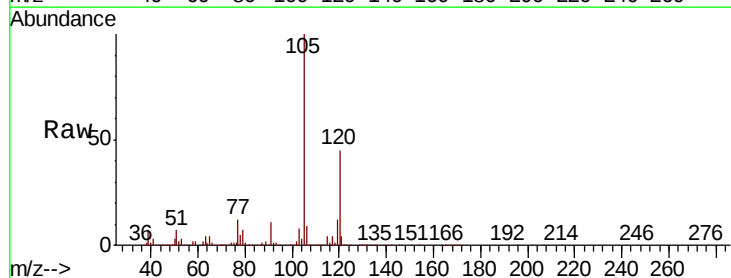
Acq: 26 Feb 2019 10:56

Tgt Ion:105 Resp: 762804

Ion Ratio Lower Upper

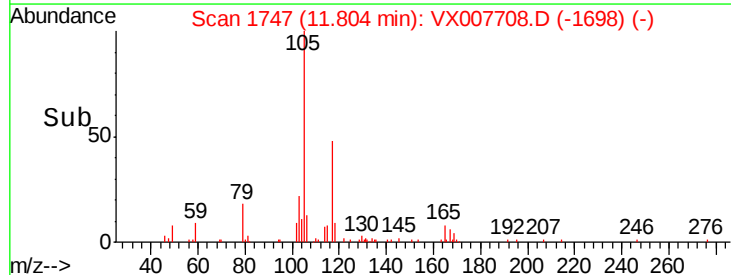
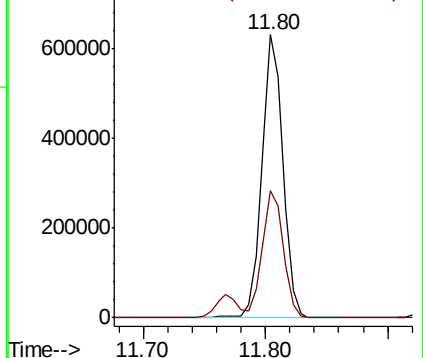
105 100

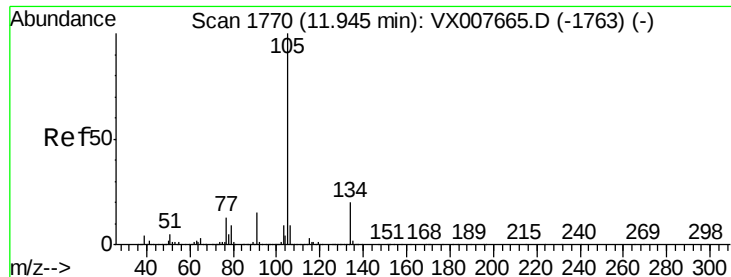
120 44.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.888 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

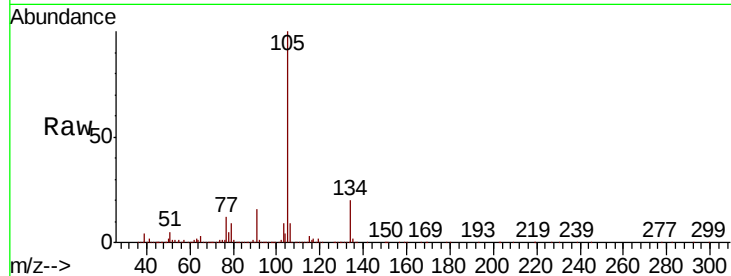
VSTDCCC050EC

Tot Ion:105 Resp: 903437

Ion Ratio Lower Upper

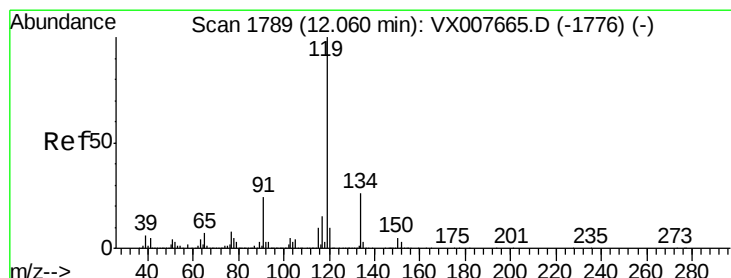
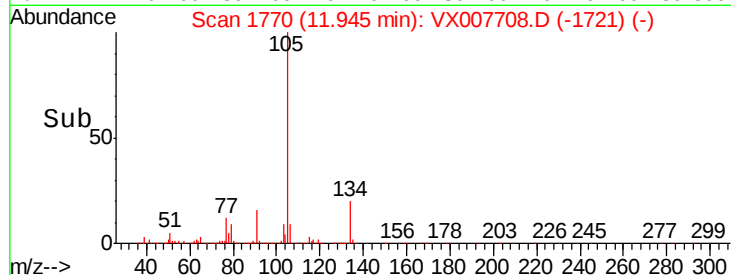
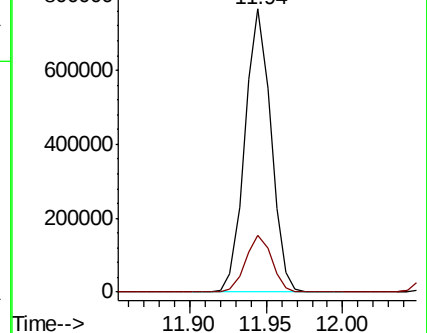
105 100

134 20.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.756 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

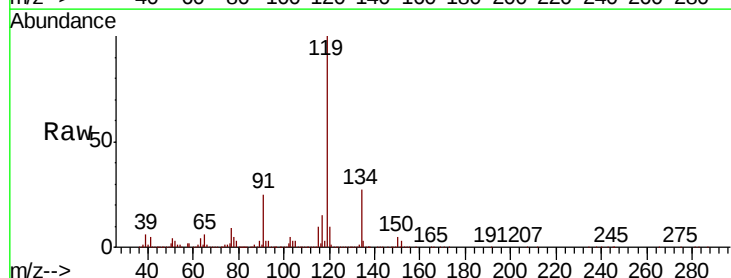
Tgt Ion:119 Resp: 789182

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

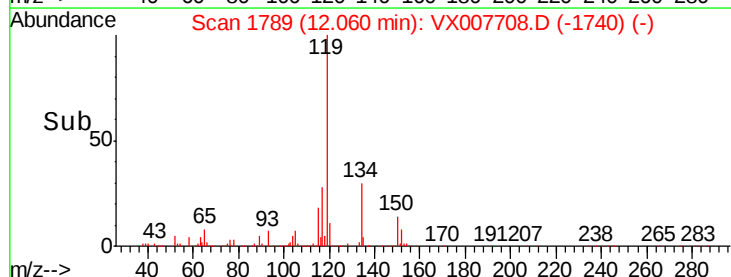
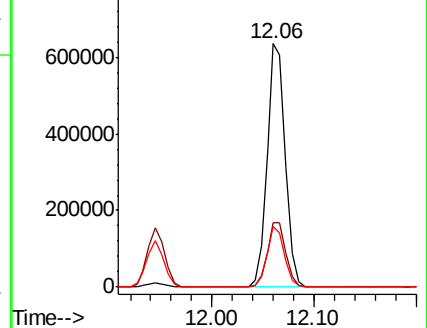
91 24.1 11.2 33.5

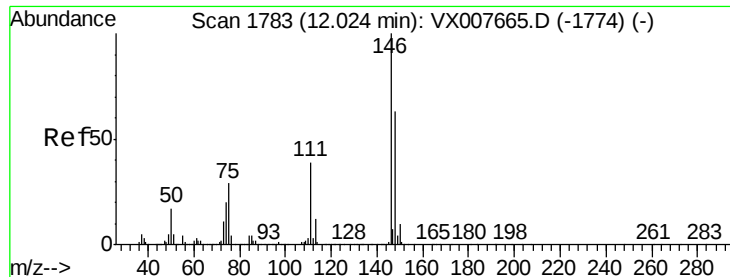


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

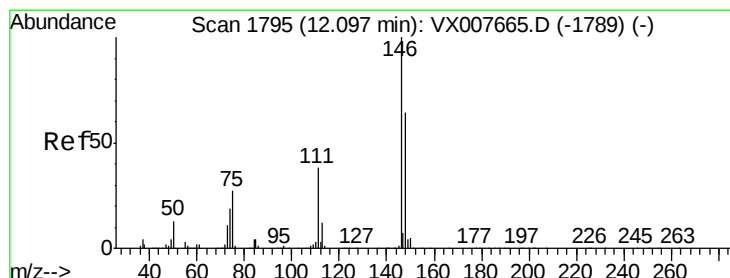
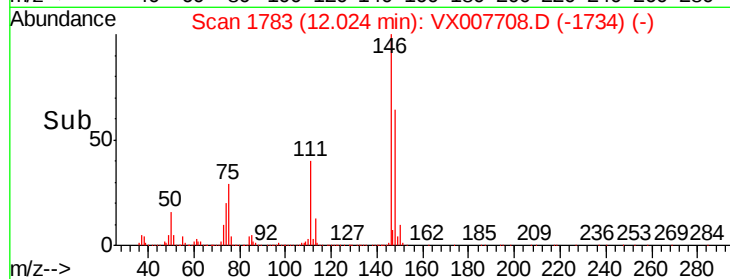
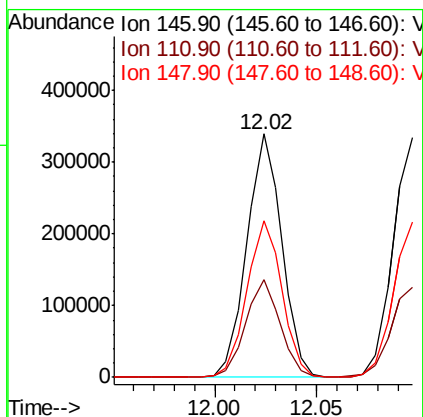
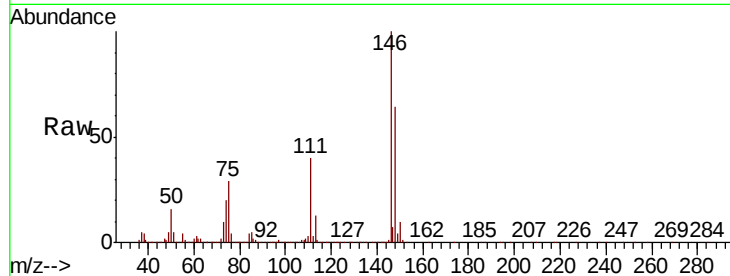




#87
 1,3-Dichlorobenzene
 Concen: 49.621 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

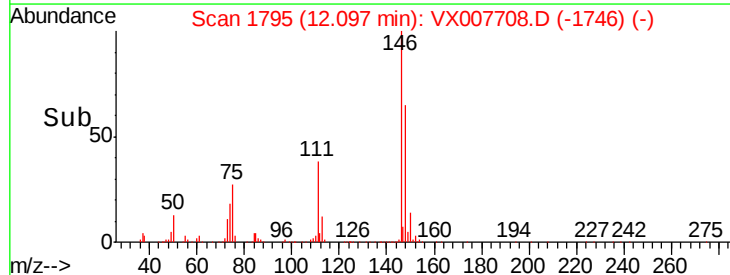
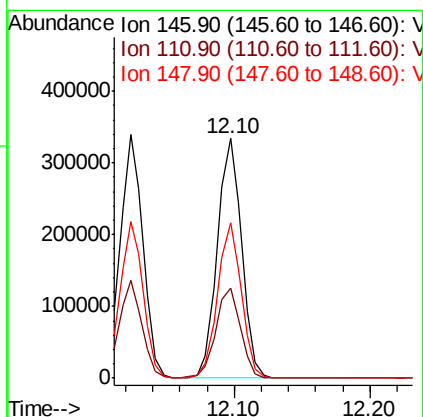
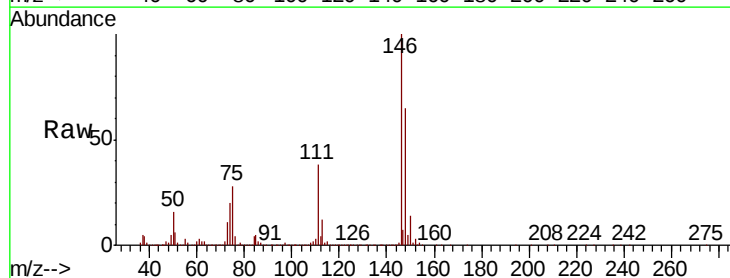
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

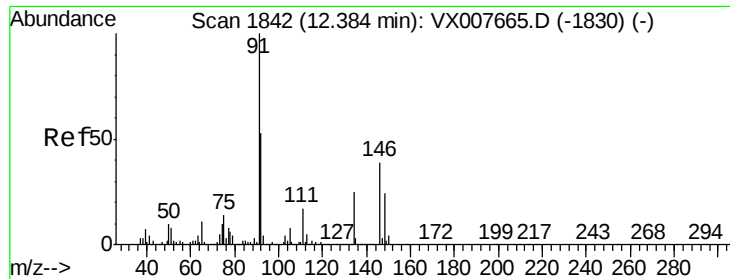
Tot Ion:146 Resp: 406151
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.1
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.213 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Tgt Ion:146 Resp: 412541
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.1 54.1
 148 63.4 32.3 96.9

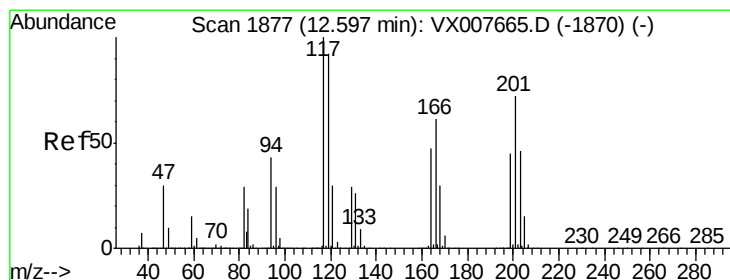
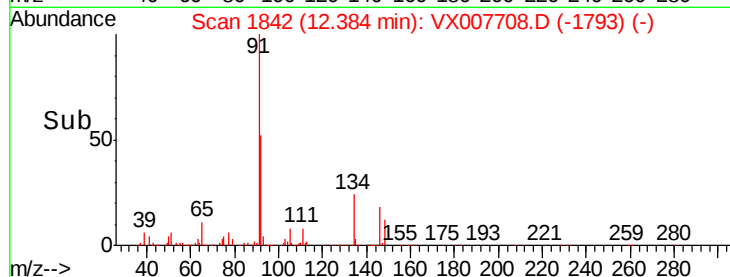
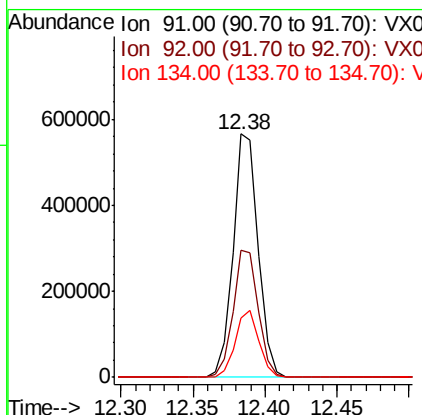
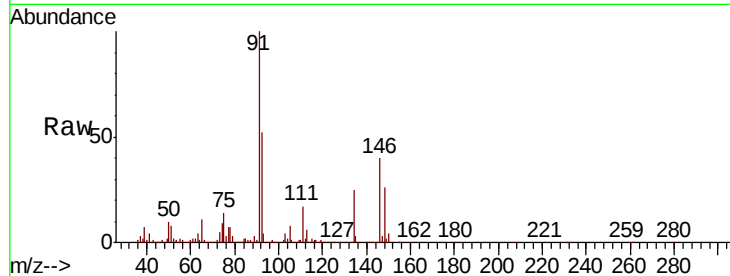




#89
n-Butylbenzene
Concen: 50.620 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

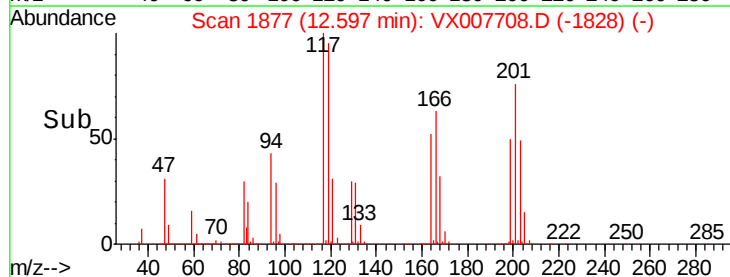
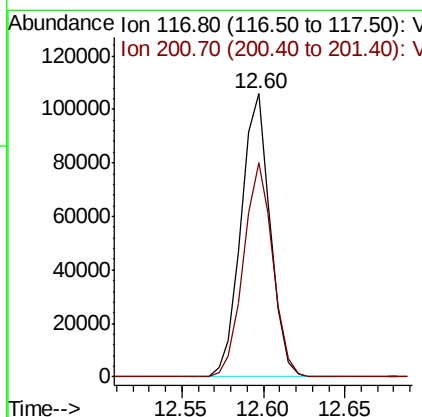
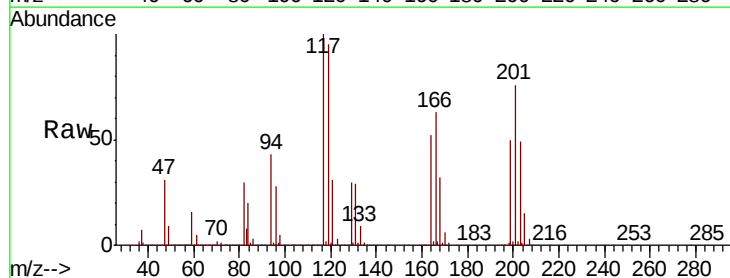
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

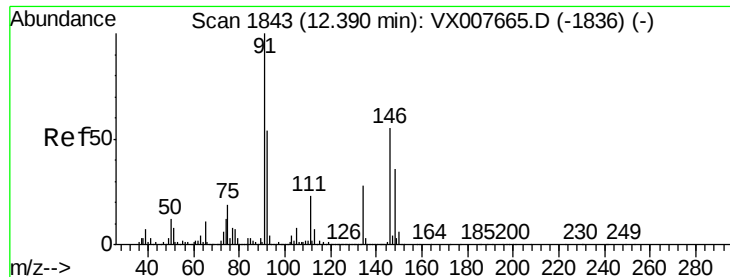
Tot Ion: 91 Resp: 688355
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.9
134 26.2 13.9 41.6



#90
Hexachloroethane
Concen: 51.350 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007708.D
Acq: 26 Feb 2019 10:56

Tgt Ion: 117 Resp: 131929
Ion Ratio Lower Upper
117 100
201 76.4 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 48.981 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

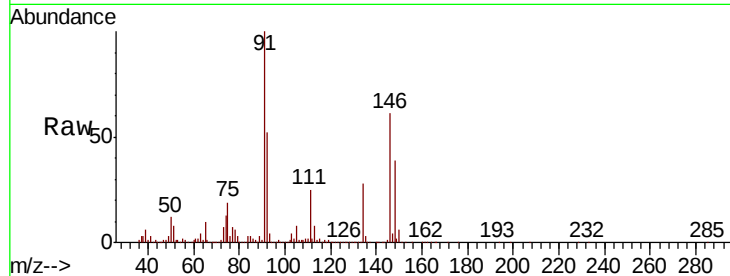
Tot Ion:146 Resp: 401138

Ion Ratio Lower Upper

146 100

111 40.6 19.1 57.3

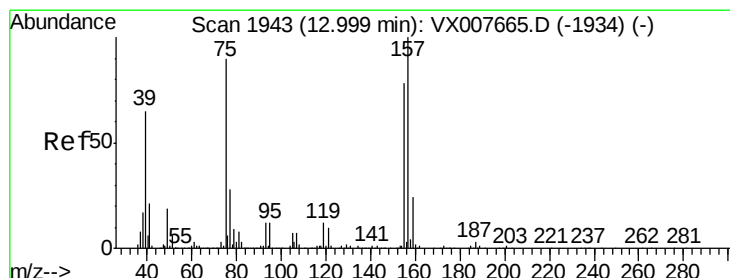
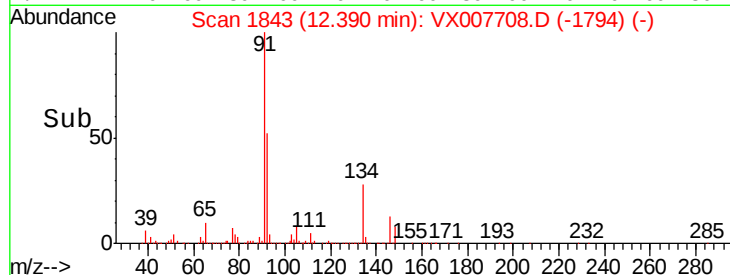
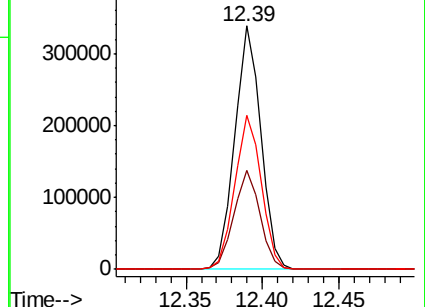
148 64.0 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.218 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

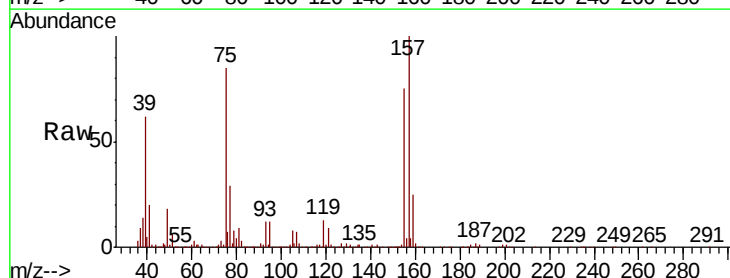
Tgt Ion: 75 Resp: 61276

Ion Ratio Lower Upper

75 100

155 89.7 49.6 149.0

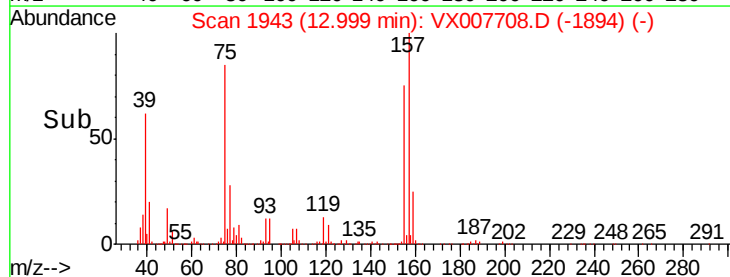
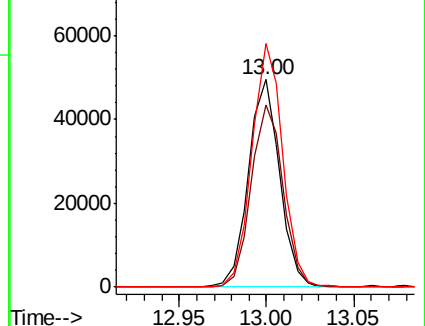
157 116.1 65.1 195.3

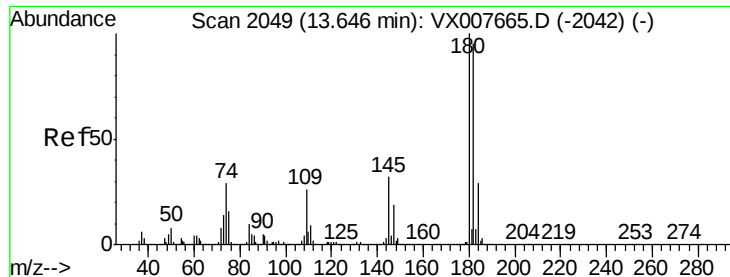


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

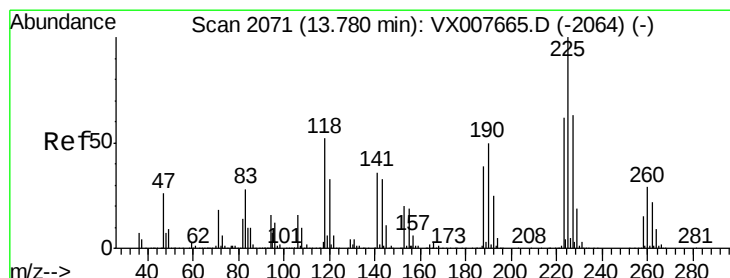
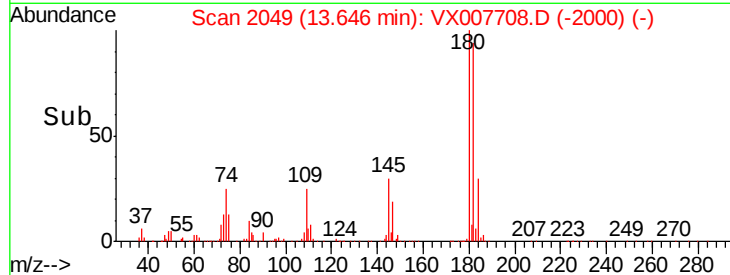
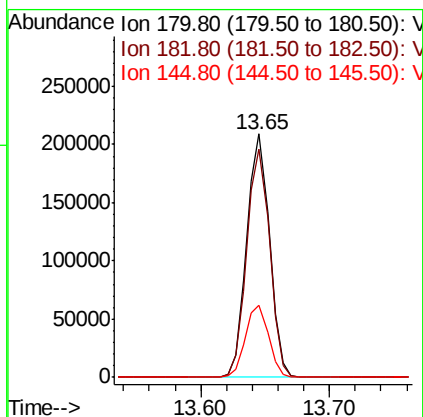
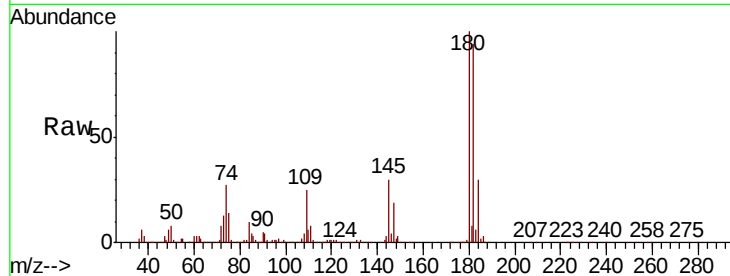




#93
 1,2,4-Trichlorobenzene
 Concen: 50.811 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

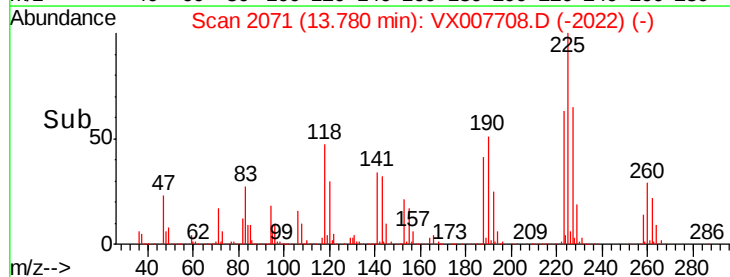
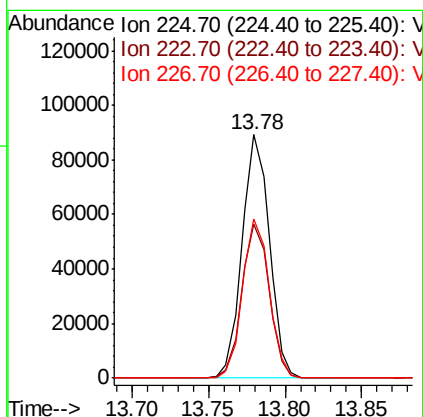
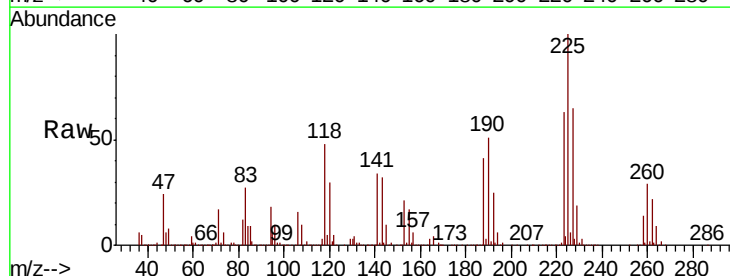
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

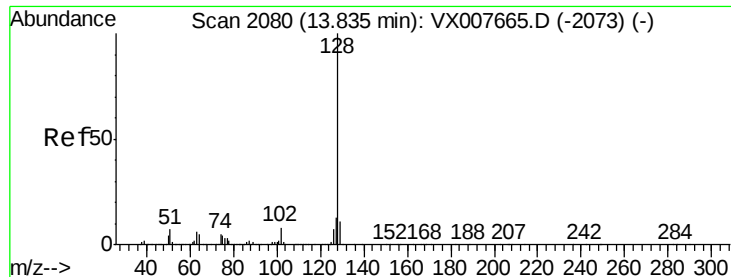
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	30.3	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 48.269 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007708.D
 Acq: 26 Feb 2019 10:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	94.8
227	64.1	32.1	96.3





#95

Naphthalene

Concen: 53.208 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

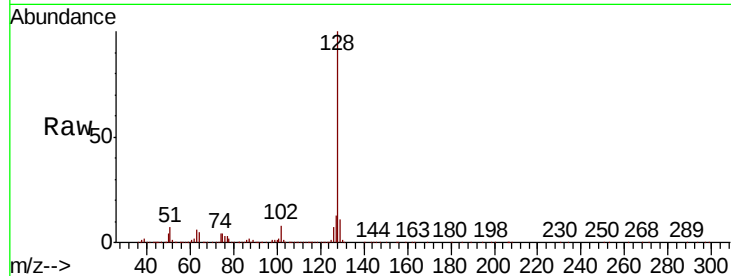
Tot Ion:128 Resp: 861781

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

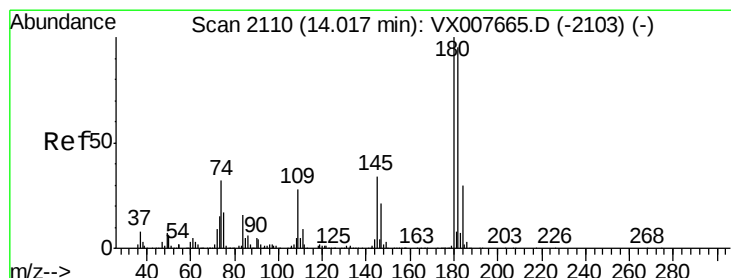
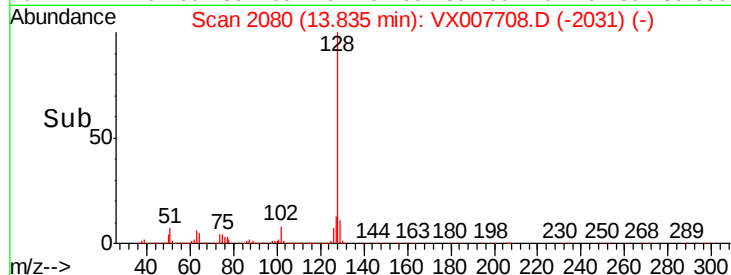
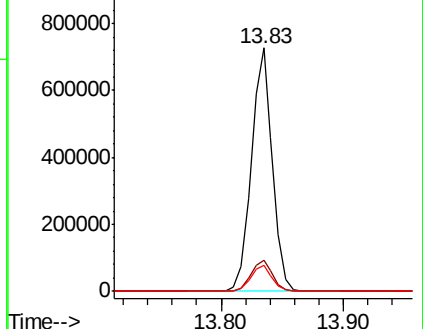
129 10.7 8.7 13.1



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: 51.777 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007708.D

Acq: 26 Feb 2019 10:56

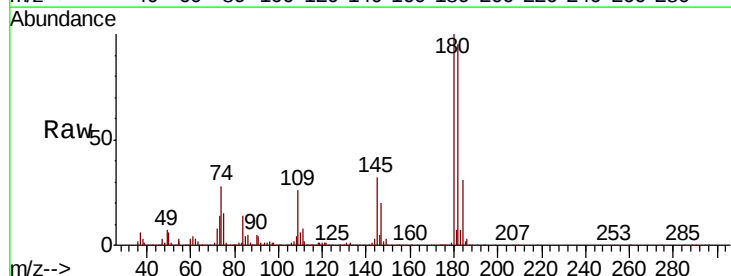
Tgt Ion:180 Resp: 259899

Ion Ratio Lower Upper

180 100

182 94.0 47.5 142.6

145 32.1 14.9 44.5



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

