

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011419\
 Data File : VX007030.D
 Acq On : 14 Jan 2019 10:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 15 01:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	629732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	900097	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	852440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	459365	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	327851	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.50	113	300469	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	8.71	98	1119876	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.13	95	417091	56.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	279930	54.131	ug/l	96
3) Chloromethane	1.33	50	303794	50.463	ug/l	98
4) Vinyl Chloride	1.41	62	326404	50.403	ug/l	99
5) Bromomethane	1.64	94	321747	46.503	ug/l	96
6) Chloroethane	1.71	64	205583	45.465	ug/l	98
7) Trichlorofluoromethane	1.93	101	513966	49.120	ug/l	98
8) Diethyl Ether	2.19	74	192020	46.128	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	304298	48.576	ug/l	99
10) Methyl Iodide	2.51	142	460853	54.538	ug/l	100
11) Tert butyl alcohol	3.07	59	360539	232.236	ug/l	99
12) 1,1-Dichloroethene	2.37	96	276811	47.827	ug/l	98
13) Acrolein	2.30	56	117934	177.049	ug/l	97
14) Allyl chloride	2.73	41	490167	49.417	ug/l	99
15) Acrylonitrile	3.15	53	844083	236.842	ug/l	100
16) Acetone	2.45	43	794809	244.290	ug/l	100
17) Carbon Disulfide	2.57	76	720108	48.326	ug/l	100
18) Methyl Acetate	2.78	43	445632	47.296	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	966461	48.110	ug/l	99
20) Methylene Chloride	2.86	84	314551	50.840	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	302031	46.828	ug/l	99
22) Diisopropyl ether	3.87	45	912595	48.939	ug/l	93
23) Vinyl Acetate	3.82	43	3819773	242.895	ug/l	99
24) 1,1-Dichloroethane	3.70	63	529118	50.744	ug/l	99
25) 2-Butanone	4.70	43	1121140	240.828	ug/l	98
26) 2,2-Dichloropropane	4.59	77	419694	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	334652	47.040	ug/l	97
28) Bromochloromethane	5.02	49	228667	50.053	ug/l	96
29) Tetrahydrofuran	5.15	42	697443	230.529	ug/l	98
30) Chloroform	5.21	83	527056	48.278	ug/l	98
31) Cyclohexane	5.58	56	454751	49.000	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	462918	50.026	ug/l	98
36) 1,1-Dichloropropene	5.80	75	392327	50.134	ug/l	99
37) Ethyl Acetate	4.85	43	413320	49.265	ug/l	98
38) Carbon Tetrachloride	5.78	117	411481	52.262	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	510620	51.182	ug/l	97
40) Benzene	6.14	78	1173880	49.161	ug/l	99
41) Methacrylonitrile	5.06	41	231992	48.000	ug/l	97
42) 1,2-Dichloroethane	6.20	62	400187	48.499	ug/l	99
43) Isopropyl Acetate	6.46	43	681481	51.496	ug/l	98
44) Trichloroethene	7.21	130	353415	49.392	ug/l	98
45) 1,2-Dichloropropane	7.51	63	301048	50.149	ug/l	98
46) Dibromomethane	7.66	93	211417	50.111	ug/l	97
47) Bromodichloromethane	7.90	83	387068	53.899	ug/l	97
48) Methyl methacrylate	7.77	41	346843	51.036	ug/l	98
49) 1,4-Dioxane	7.75	88	156007	1005.245	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2211784	260.064	ug/l	100
52) Toluene	8.79	92	777326	50.649	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	451358	56.681	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	484626	55.108	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	324378	52.805	ug/l	98
56) Ethyl methacrylate	9.18	69	485672	54.156	ug/l	95
57) 1,3-Dichloropropane	9.37	76	513502	51.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1168333	253.383	ug/l	99
59) 2-Hexanone	9.49	43	1706374	263.284	ug/l	99
60) Dibromochloromethane	9.58	129	350855	58.819	ug/l	100
61) 1,2-Dibromoethane	9.67	107	351897	52.034	ug/l	99
64) Tetrachloroethene	9.34	164	359941	48.771	ug/l	95
65) Chlorobenzene	10.14	112	924187	49.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	334766	53.525	ug/l	99
67) Ethyl Benzene	10.25	91	1545915	50.366	ug/l	99
68) m/p-Xylenes	10.36	106	1236954	102.289	ug/l	99
69) o-Xylene	10.70	106	606276	51.408	ug/l	98
70) Styrene	10.71	104	977483	52.332	ug/l	99
71) Bromoform	10.86	173	270233	48.455	ug/l	100
73) Isopropylbenzene	11.02	105	1605647	49.570	ug/l	99
74) N-amyl acetate	10.90	43	633161	48.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	480465	46.723	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	555237	59.646	ug/l	90
77) Bromobenzene	11.26	156	433521	48.573	ug/l	99
78) n-propylbenzene	11.36	91	1836048	51.634	ug/l	99
79) 2-Chlorotoluene	11.42	91	1049473	49.029	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1339443	49.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	149906	48.704	ug/l	95
82) 4-Chlorotoluene	11.51	91	1243311	50.166	ug/l	99
83) tert-Butylbenzene	11.77	119	1368182	50.666	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1370597	50.358	ug/l	100
85) sec-Butylbenzene	11.94	105	1639130	50.825	ug/l	100
86) p-Isopropyltoluene	12.06	119	1475201	51.139	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	790353	48.993	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	784810	51.342	ug/l	100
89) n-Butylbenzene	12.39	91	1299641	52.850	ug/l	99
90) Hexachloroethane	12.60	117	240178	52.028	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	774225	48.632	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	105020	51.638	ug/l	97

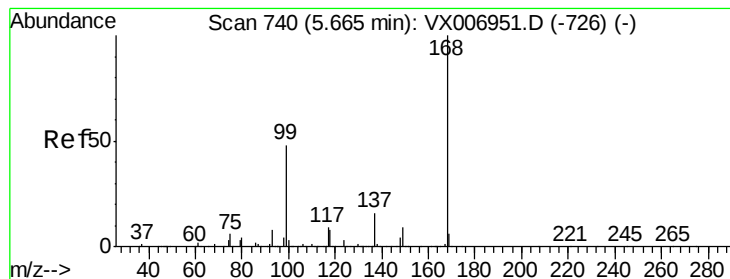
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011419\
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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	568362	52.037	ug/l	99
94) Hexachlorobutadiene	13.78	225	260118	53.667	ug/l	99
95) Naphthalene	13.83	128	1623141	49.042	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	549833	50.676	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

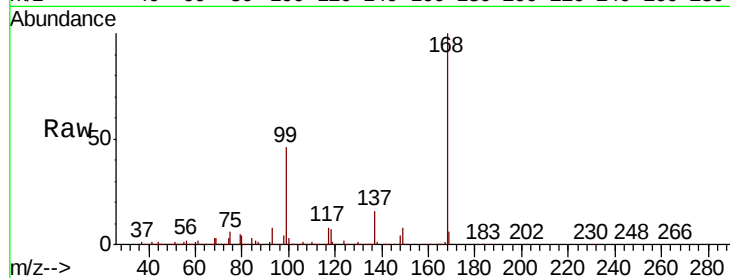
VSTDCCC050

Tgt Ion:168 Resp: 629732

Ion Ratio Lower Upper

168 100

99 46.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

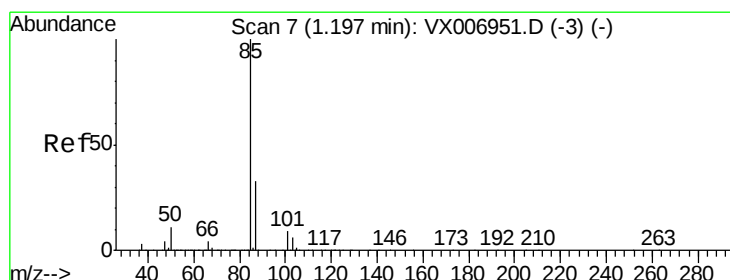
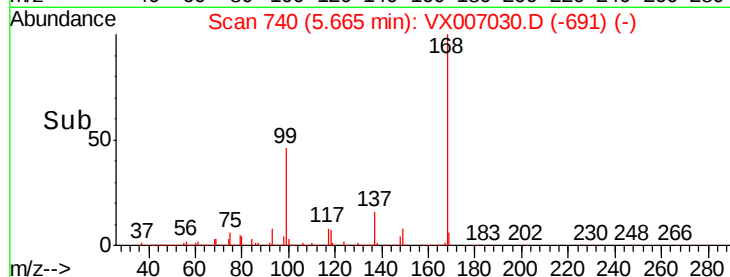
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.131 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007030.D

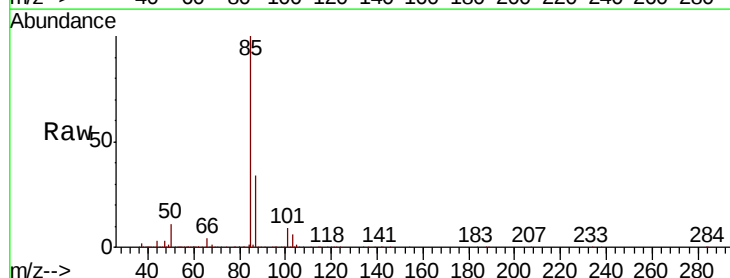
Acq: 14 Jan 2019 10:56

Tgt Ion: 85 Resp: 279930

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

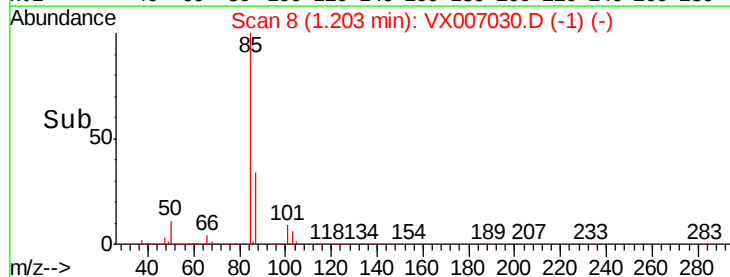
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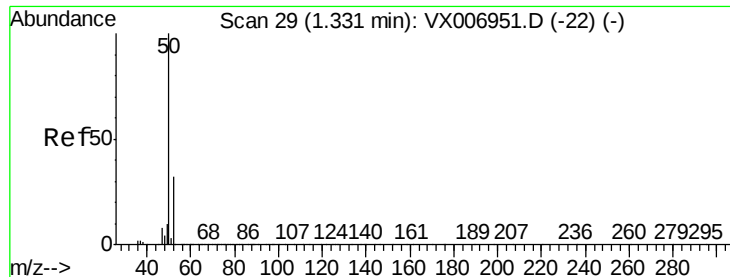
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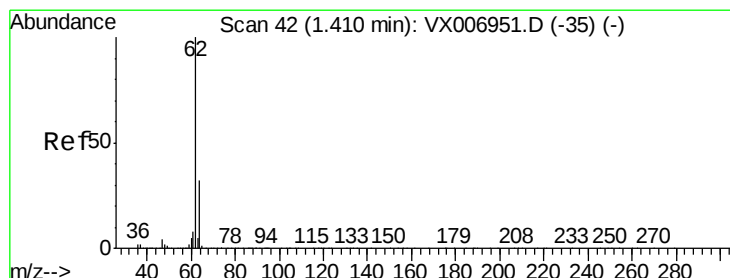
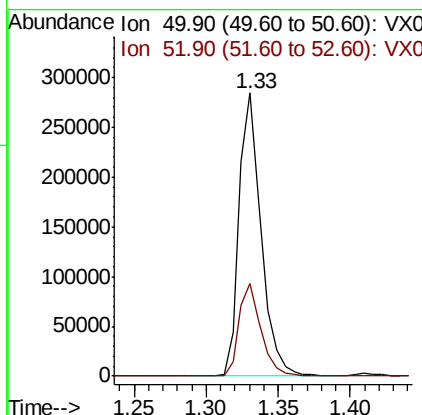
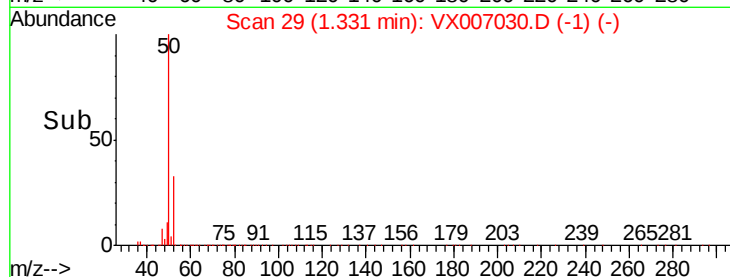
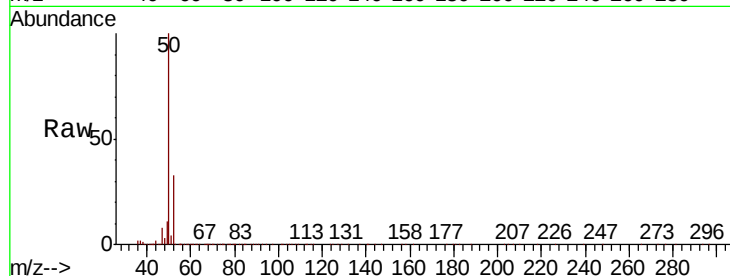




#3
Chloromethane
Concen: 50.463 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

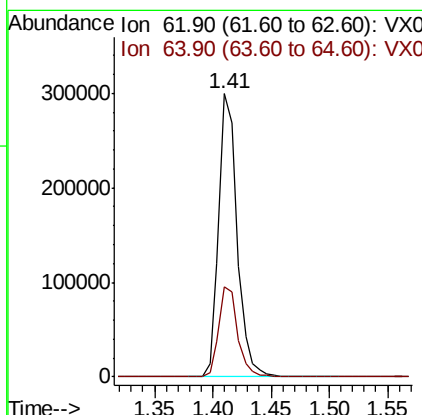
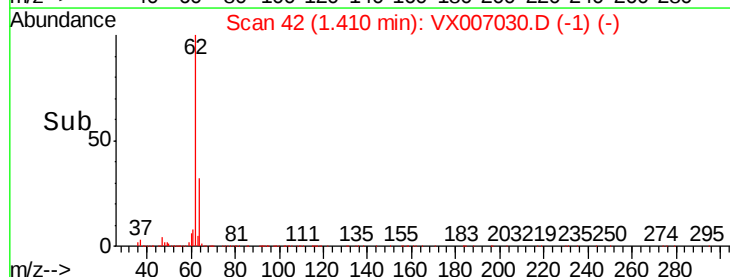
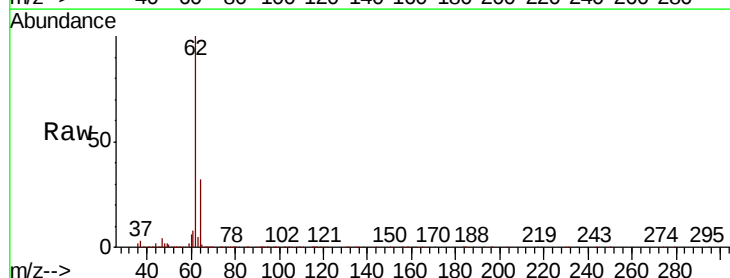
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

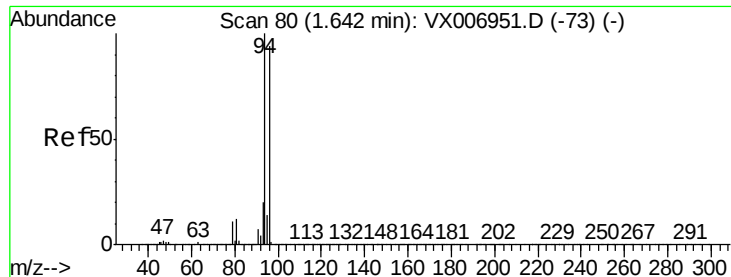
Tgt Ion: 50 Resp: 303794
Ion Ratio Lower Upper
50 100
52 32.9 25.4 38.2



#4
Vinyl Chloride
Concen: 50.403 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 62 Resp: 326404
Ion Ratio Lower Upper
62 100
64 31.9 25.1 37.7





#5

Bromomethane

Concen: 46.503 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

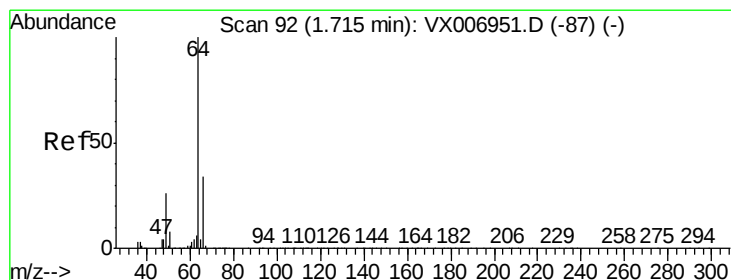
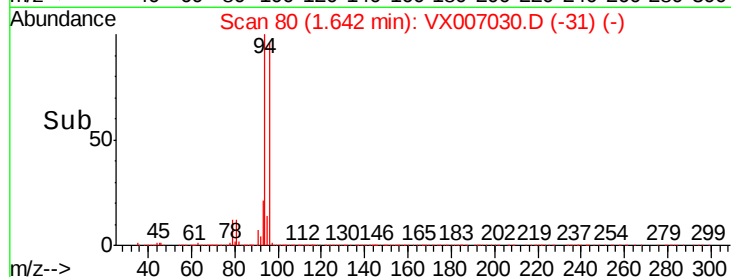
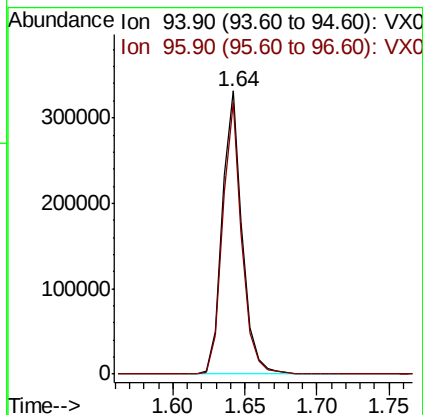
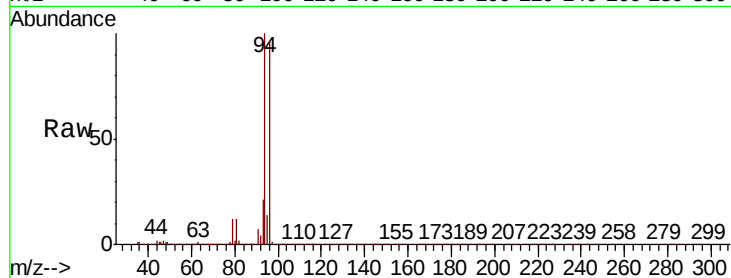
VSTDCCC050

Tgt Ion: 94 Resp: 321747

Ion Ratio Lower Upper

94 100

96 95.8 73.4 110.2



#6

Chloroethane

Concen: 45.465 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007030.D

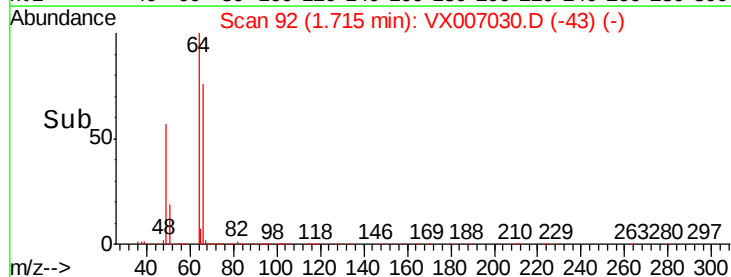
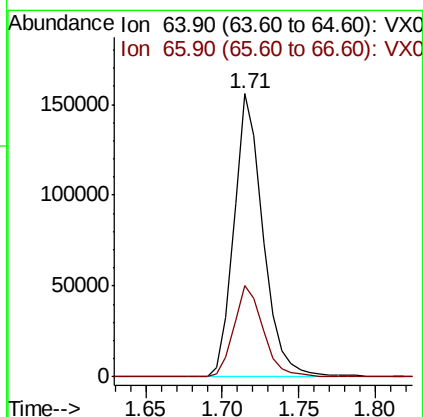
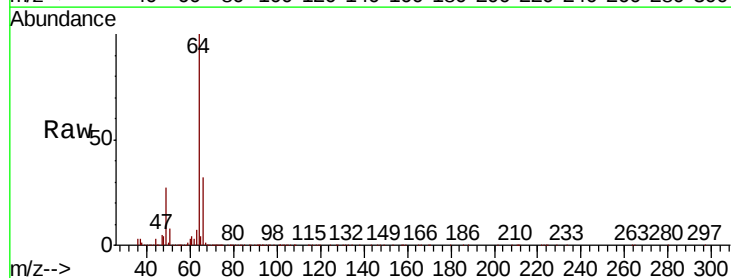
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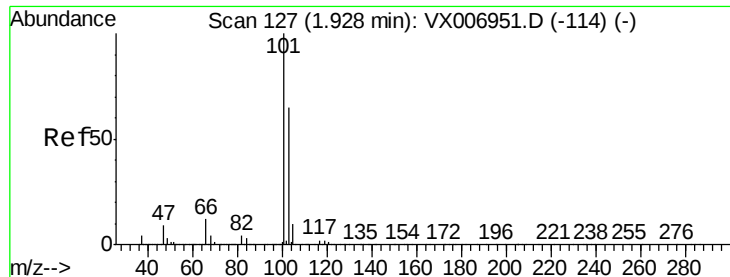
Tgt Ion: 64 Resp: 205583

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



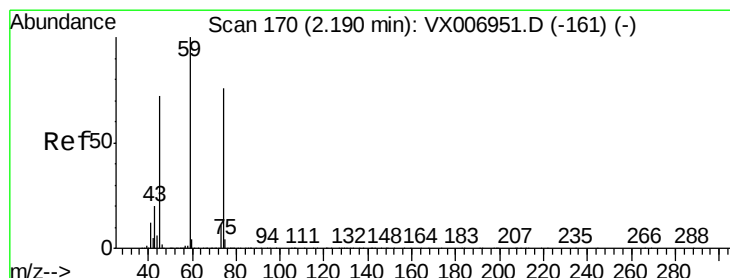
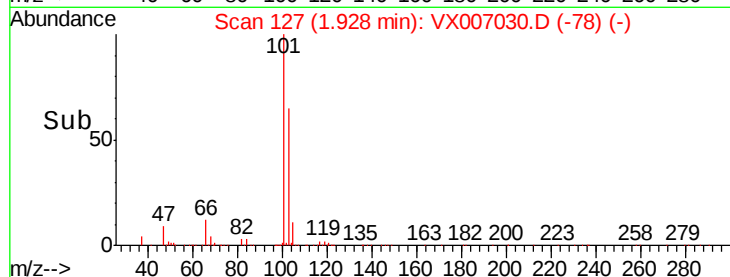
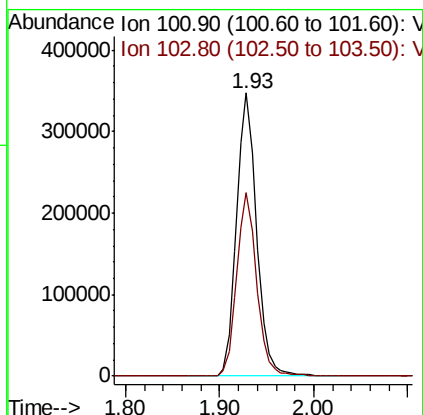
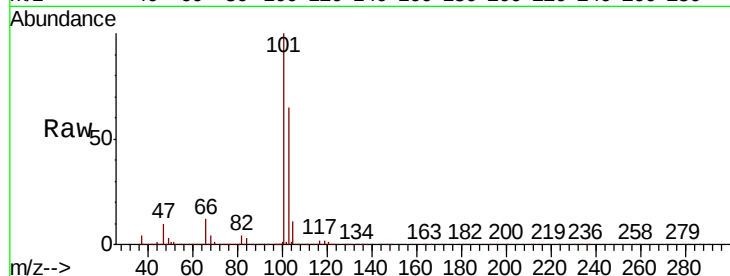


#7

Trichlorofluoromethane
 Concen: 49.120 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

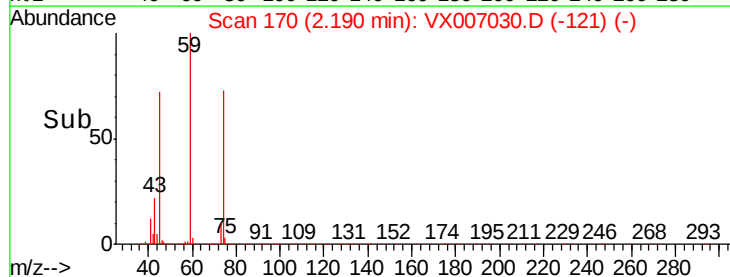
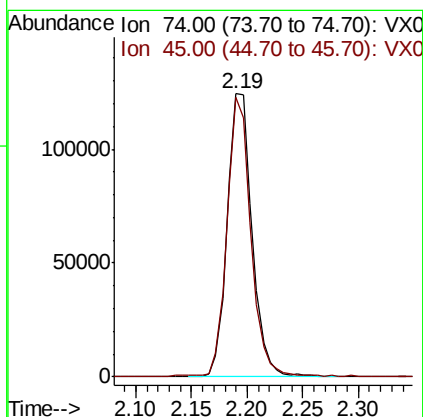
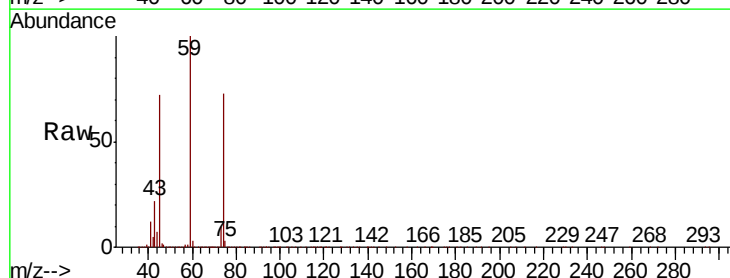
Tgt Ion:101 Resp: 513966
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.2 79.8

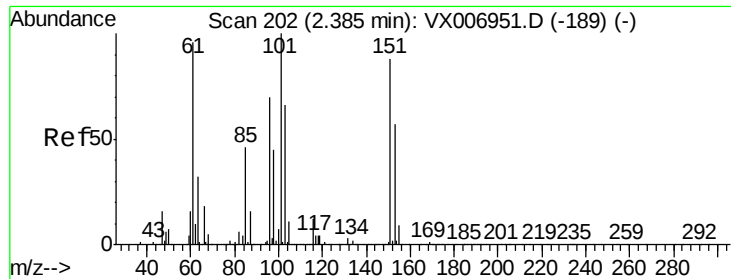


#8

Diethyl Ether
 Concen: 46.128 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Tgt Ion: 74 Resp: 192020
 Ion Ratio Lower Upper
 74 100
 45 94.0 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.576 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

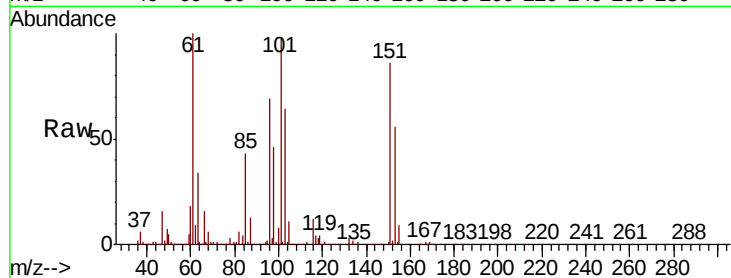
Tgt Ion:101 Resp: 304298

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

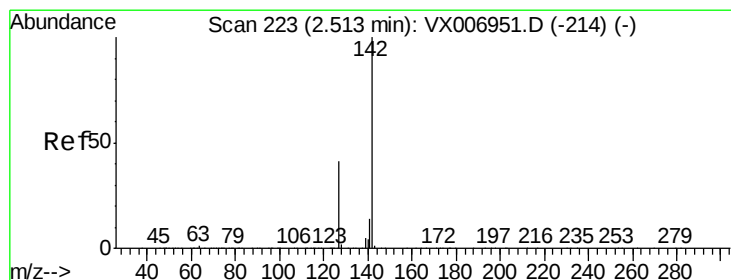
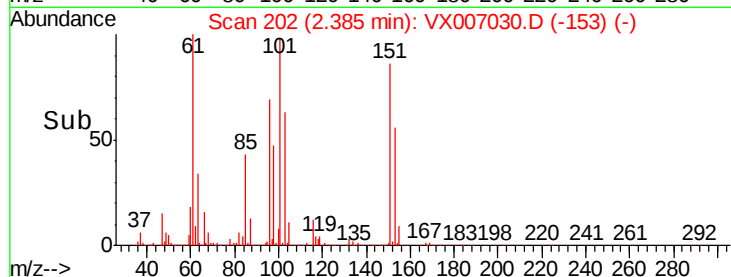
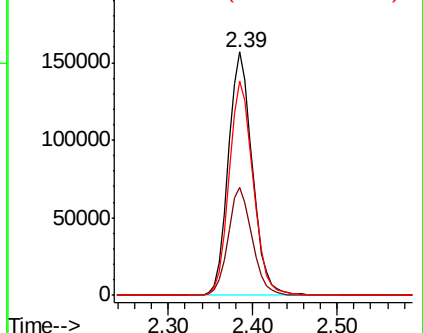
151 88.1 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.538 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

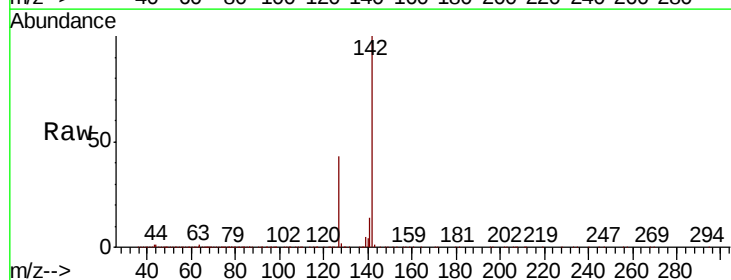
Tgt Ion:142 Resp: 460853

Ion Ratio Lower Upper

142 100

127 42.7 33.9 50.9

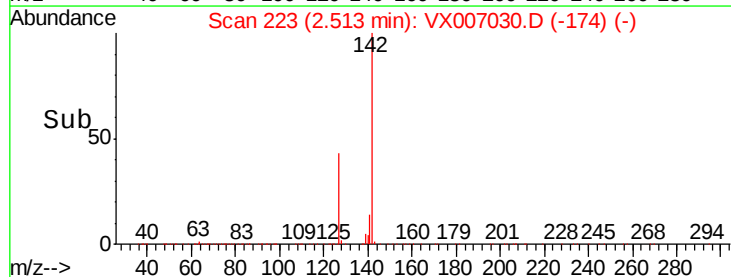
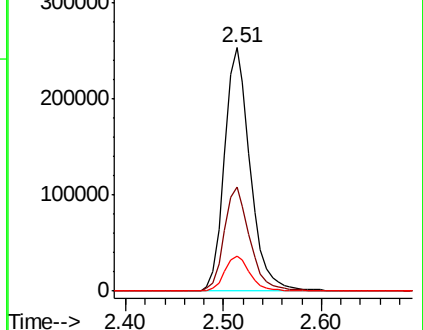
141 14.3 11.4 17.0

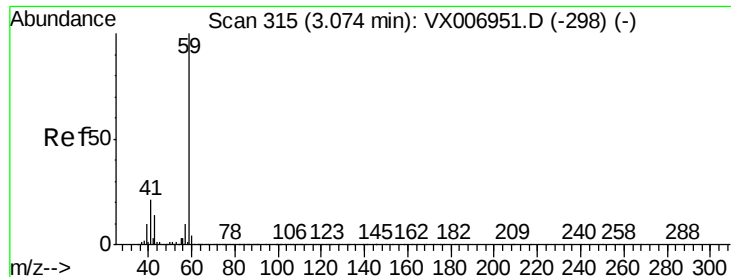


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

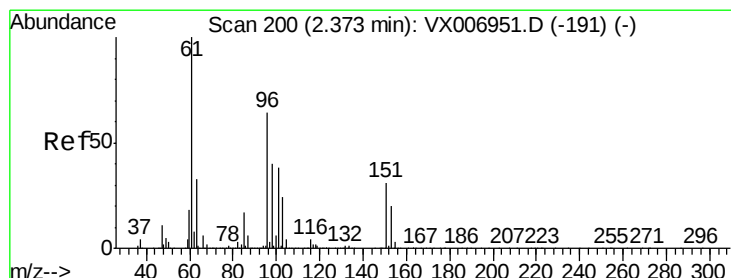
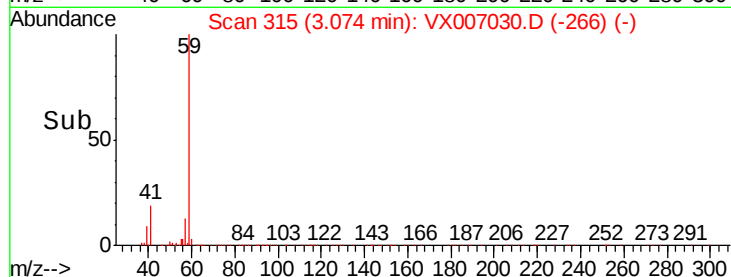
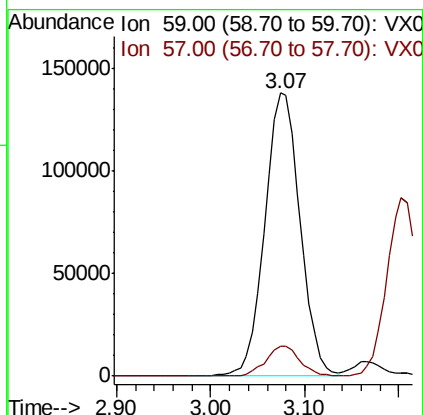
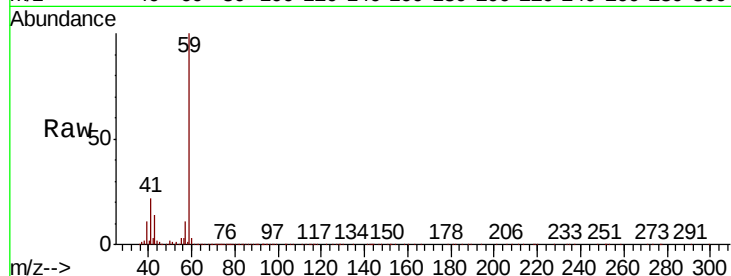




#11
Tert butyl alcohol
Concen: 232.236 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

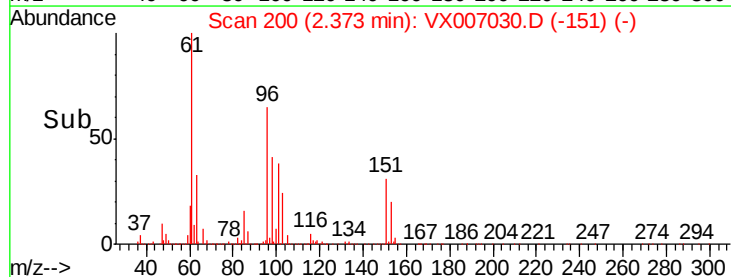
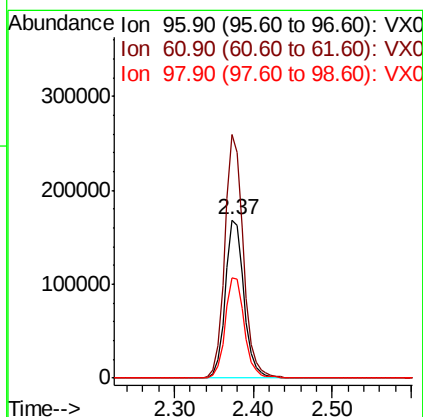
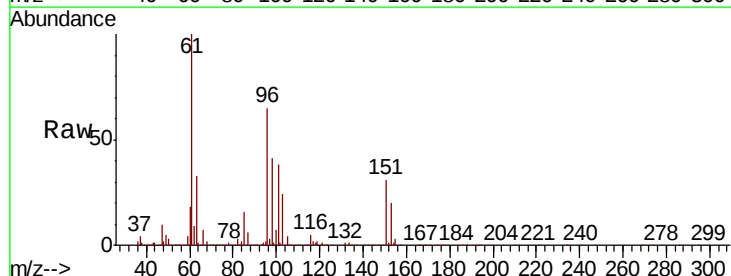
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

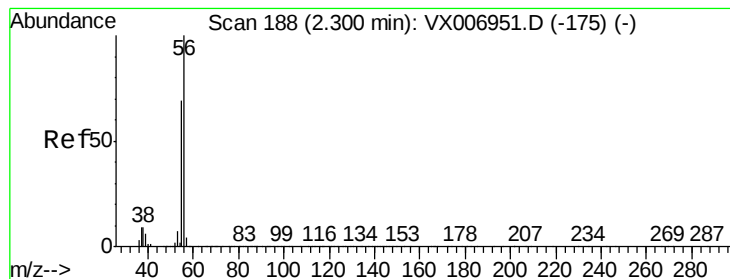
Tgt Ion: 59 Resp: 360539
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.827 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 96 Resp: 276811
Ion Ratio Lower Upper
96 100
61 153.7 121.4 182.2
98 63.0 51.9 77.9





#13

Acrolein

Concen: 177.049 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

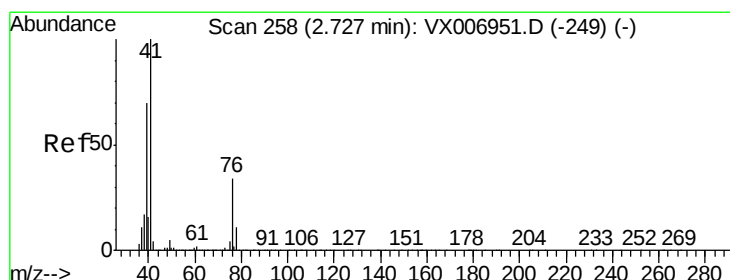
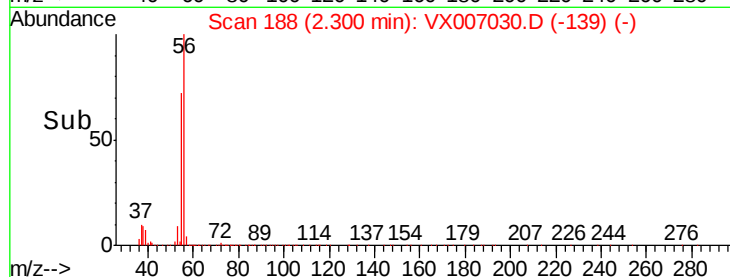
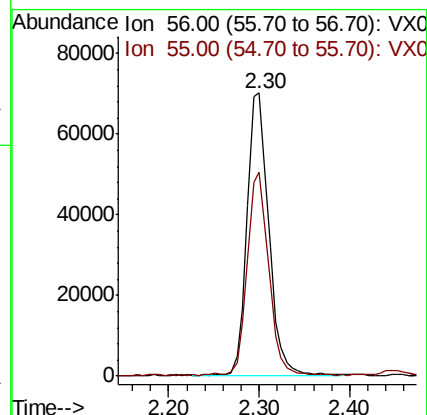
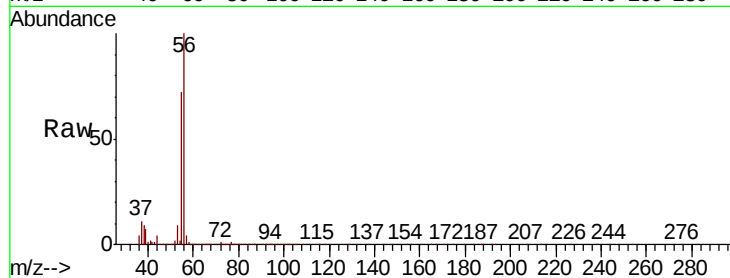
VSTDCCC050

Tgt Ion: 56 Resp: 117934

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.4



#14

Allyl chloride

Concen: 49.417 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

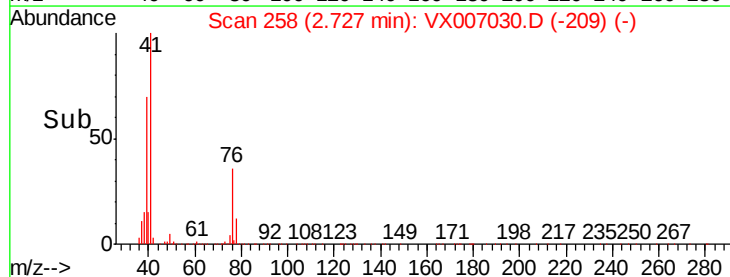
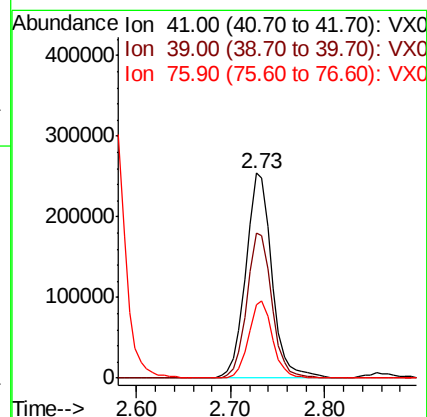
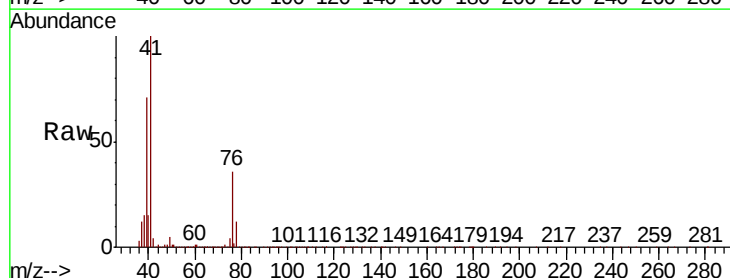
Tgt Ion: 41 Resp: 490167

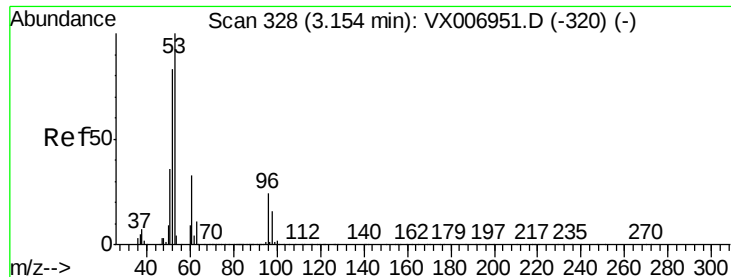
Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

76 34.5 27.4 41.2





#15

Acrylonitrile

Concen: 236.842 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

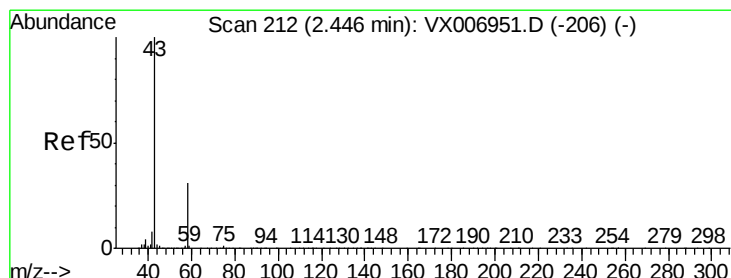
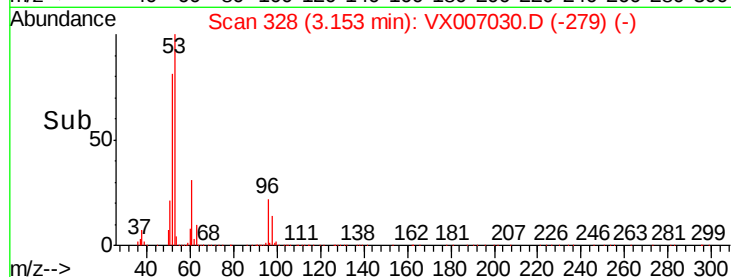
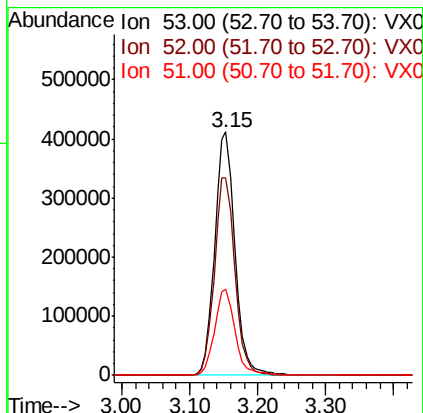
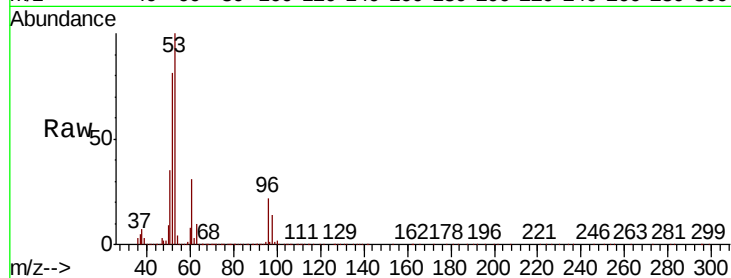
Tgt Ion: 53 Resp: 844083

Ion Ratio Lower Upper

53 100

52 82.1 66.0 99.0

51 35.7 28.6 42.8



#16

Acetone

Concen: 244.290 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007030.D

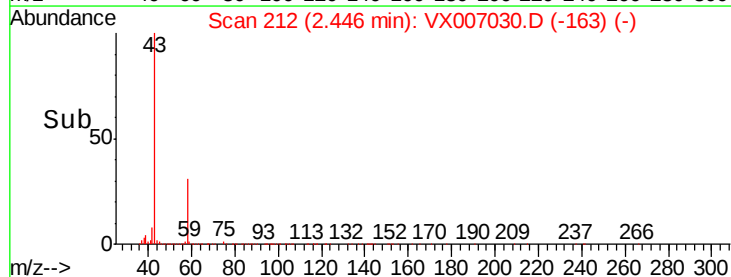
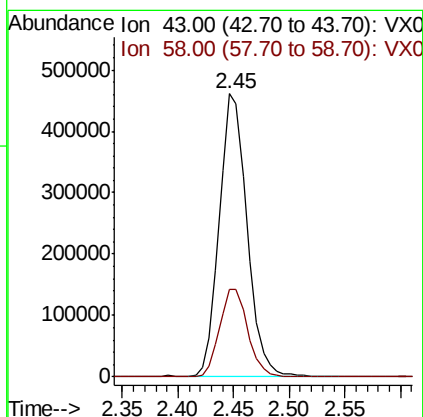
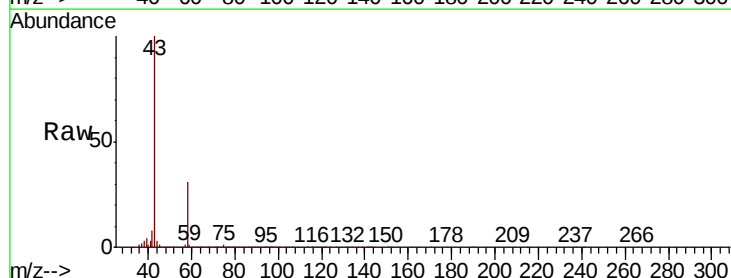
Acq: 14 Jan 2019 10:56

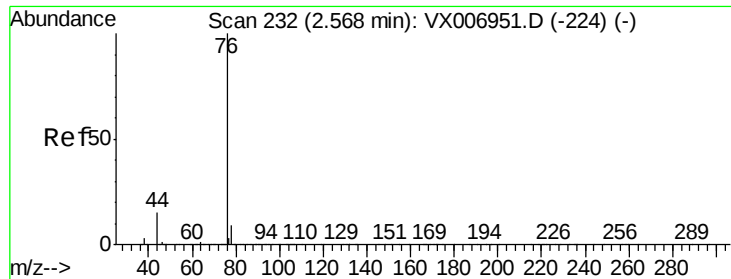
Tgt Ion: 43 Resp: 794809

Ion Ratio Lower Upper

43 100

58 31.1 25.0 37.6





#17

Carbon Disulfide

Concen: 48.326 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

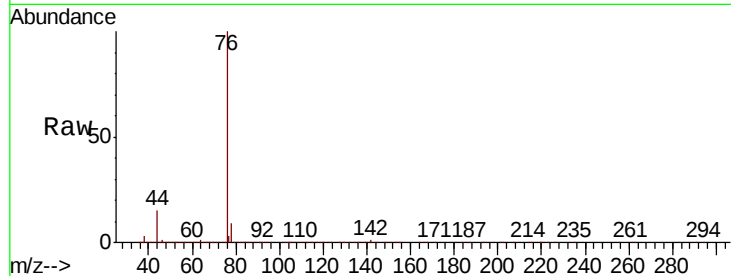
VSTDCCC050

Tgt Ion: 76 Resp: 720108

Ion Ratio Lower Upper

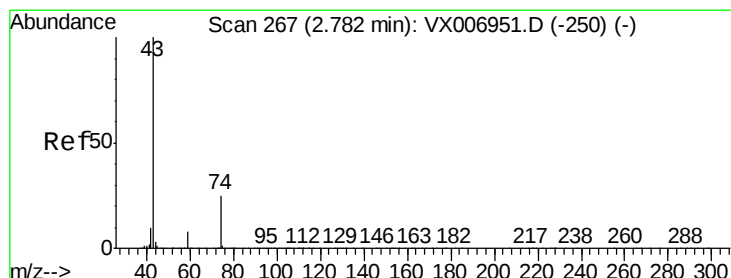
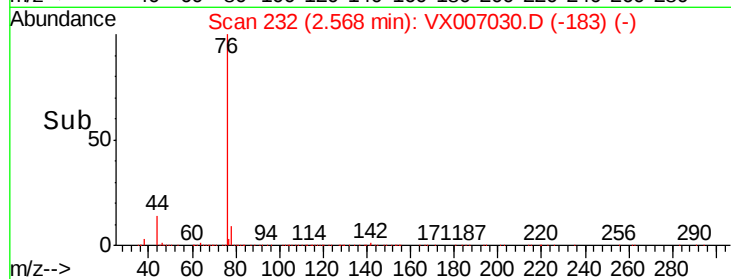
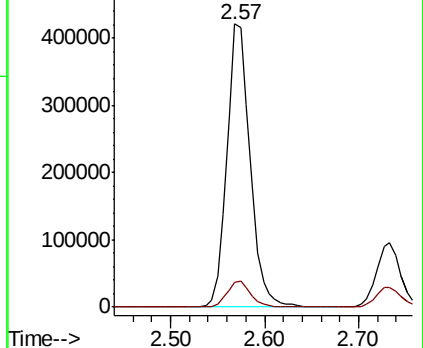
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 47.296 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007030.D

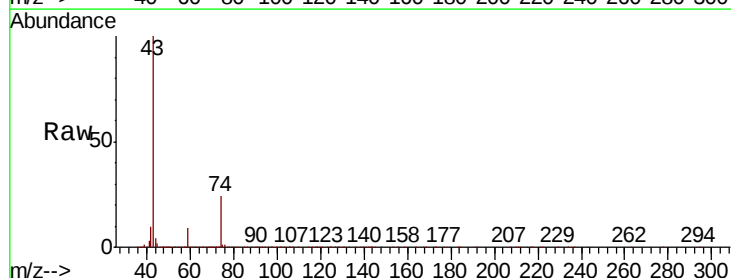
Acq: 14 Jan 2019 10:56

Tgt Ion: 43 Resp: 445632

Ion Ratio Lower Upper

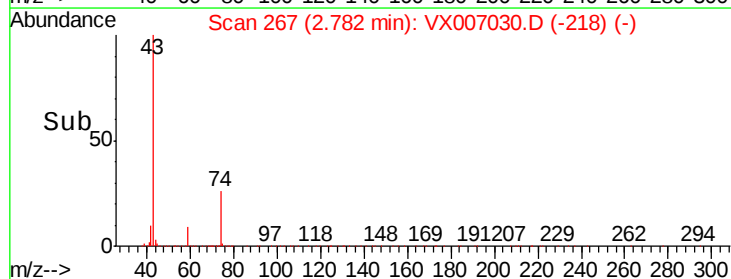
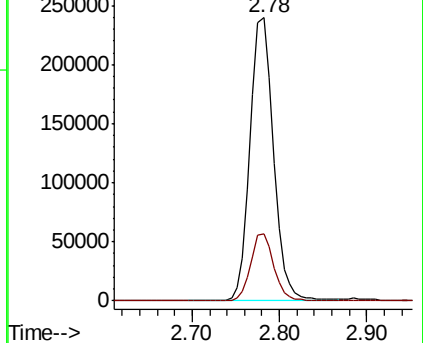
43 100

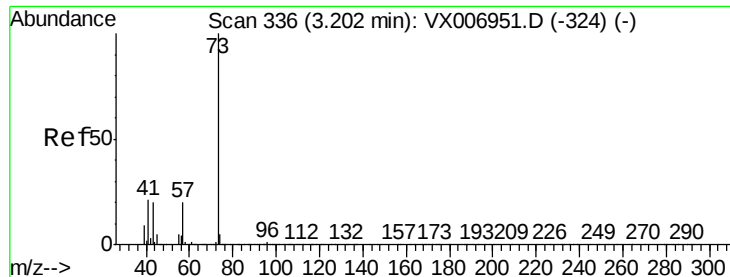
74 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

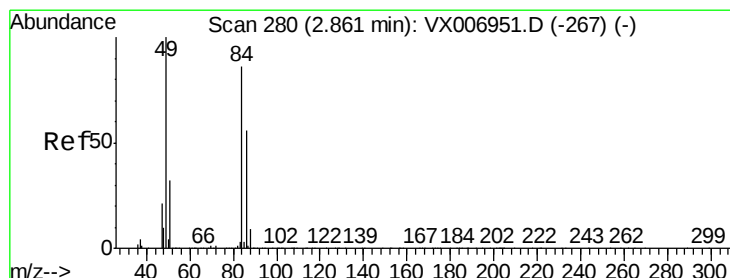
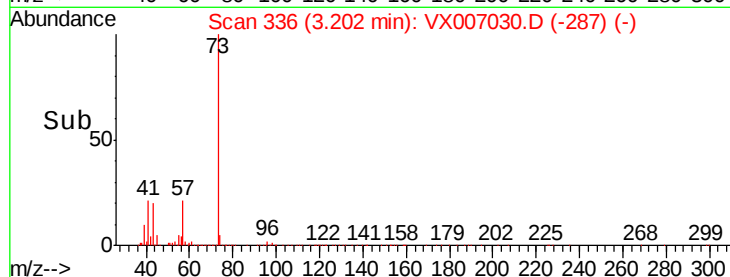
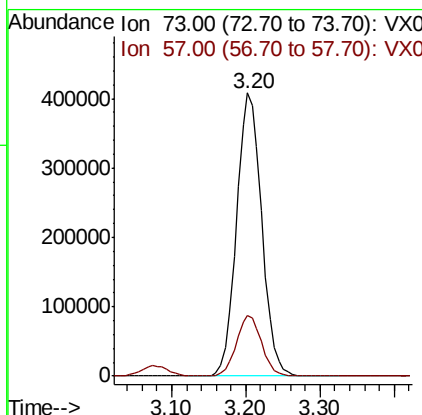
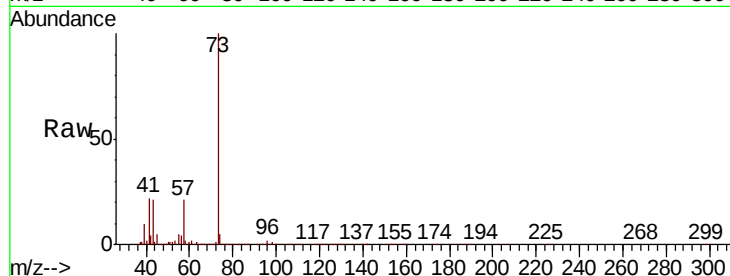




#19
Methyl tert-butyl Ether
Concen: 48.110 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

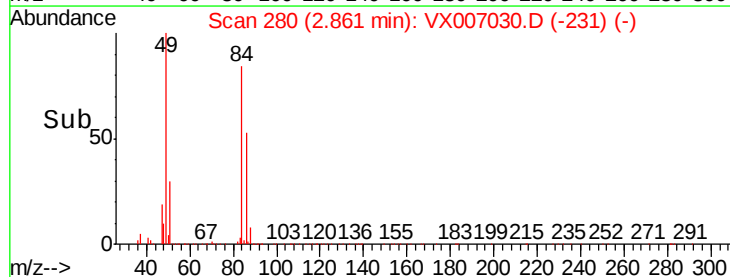
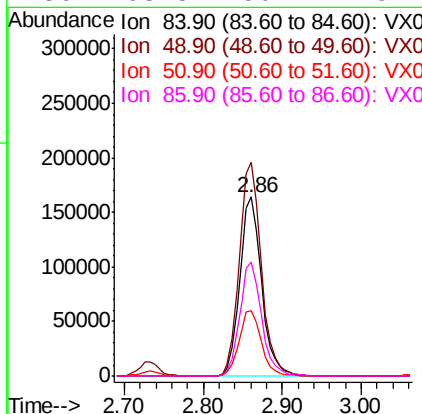
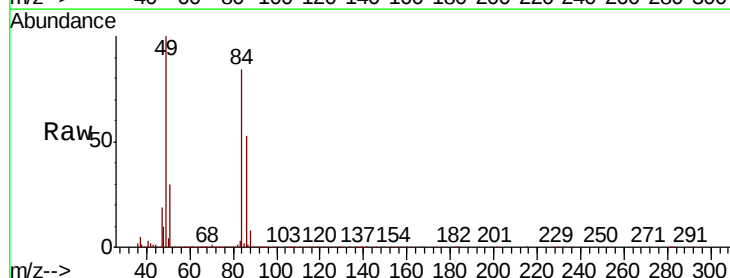
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

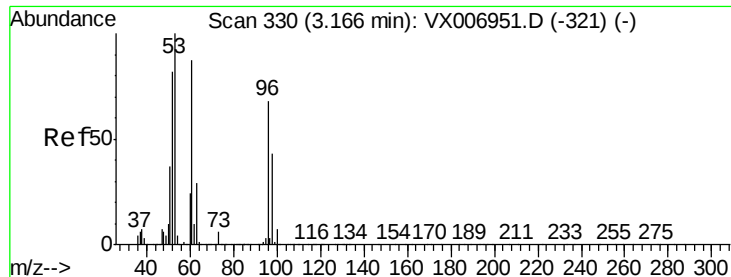
Tgt Ion: 73 Resp: 966461
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2



#20
Methylene Chloride
Concen: 50.840 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 84 Resp: 314551
Ion Ratio Lower Upper
84 100
49 119.3 91.8 137.6
51 36.2 28.5 42.7
86 63.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.828 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

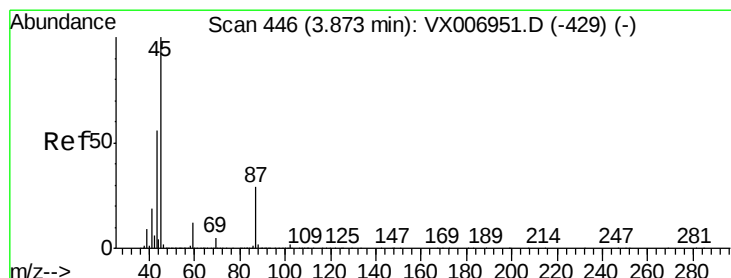
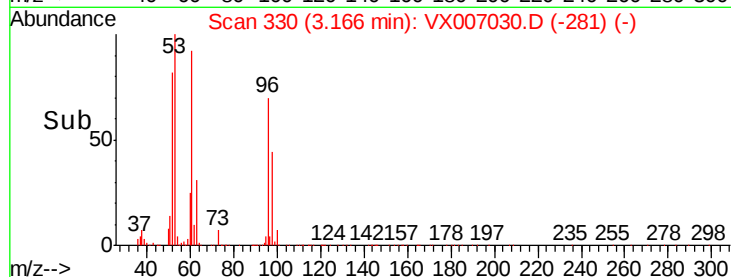
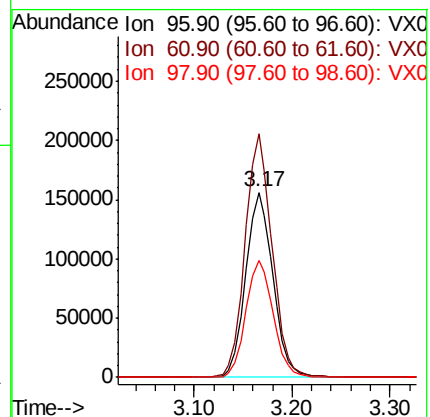
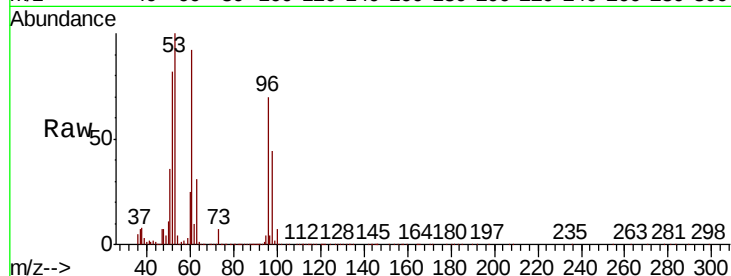
Tgt Ion: 96 Resp: 302031

Ion Ratio Lower Upper

96 100

61 131.4 103.7 155.5

98 63.2 51.0 76.6



#22

Diisopropyl ether

Concen: 48.939 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Tgt Ion: 45 Resp: 912595

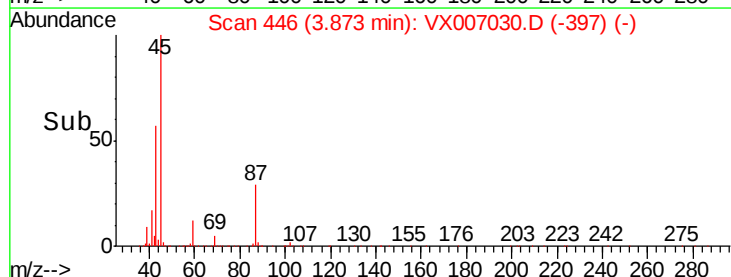
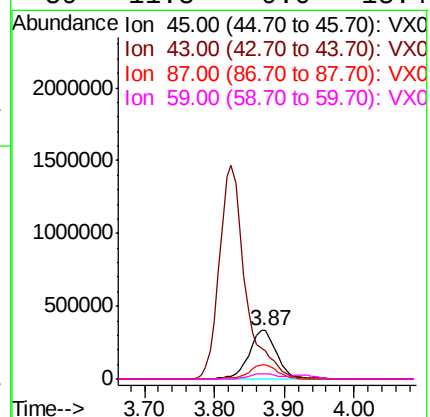
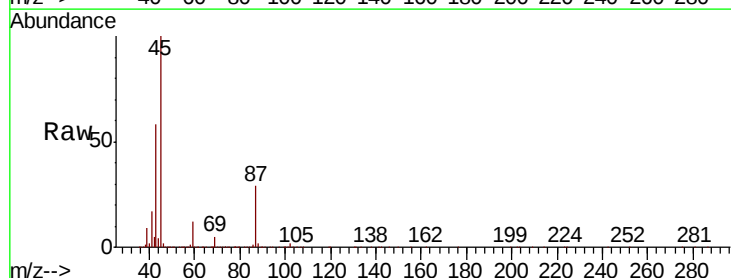
Ion Ratio Lower Upper

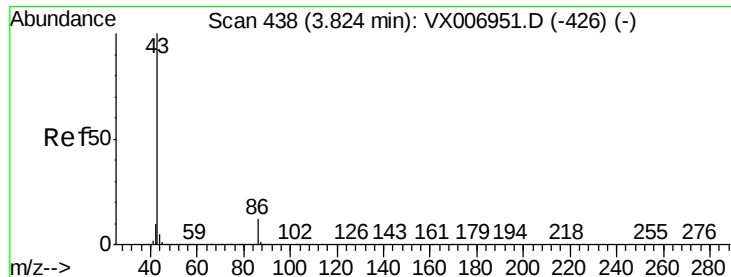
45 100

43 57.1 51.2 76.8

87 29.2 25.8 38.6

59 11.8 9.0 13.4

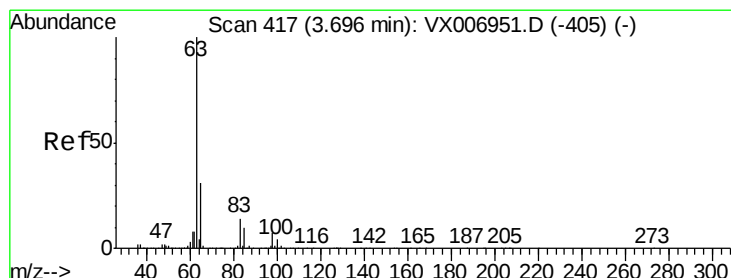
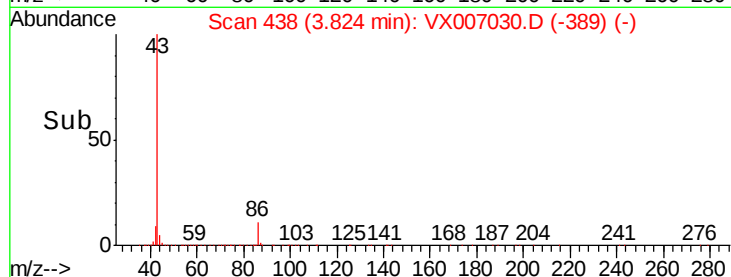
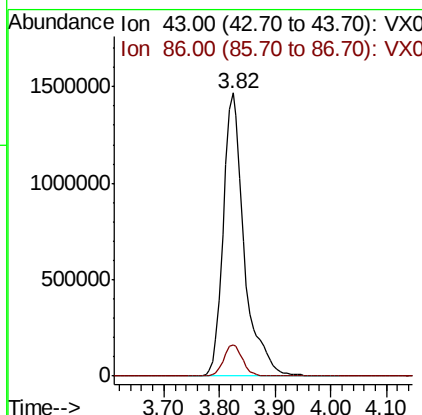
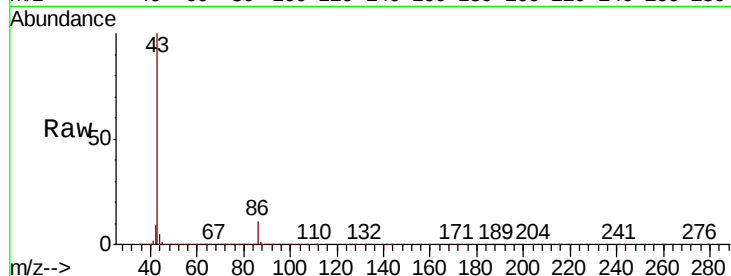




#23
 Vinyl Acetate
 Concen: 242.895 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

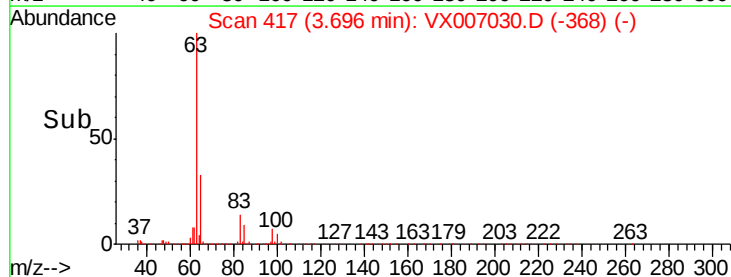
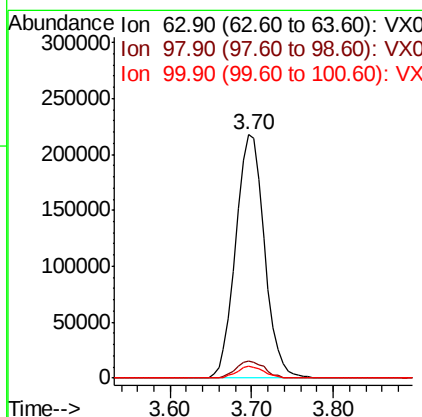
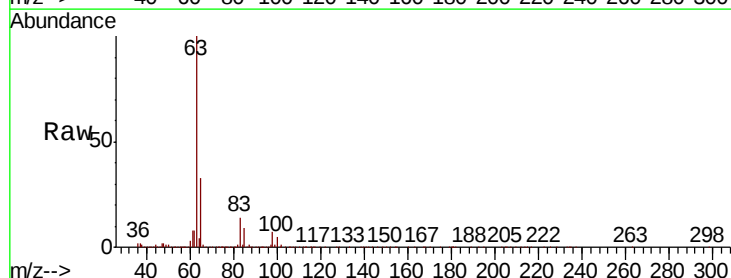
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

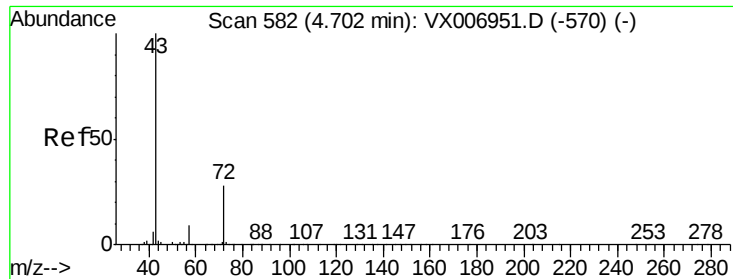
Tgt Ion: 43 Resp: 3819773
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 50.744 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Tgt Ion: 63 Resp: 529118
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.9 11.5
 100 4.7 2.4 7.2

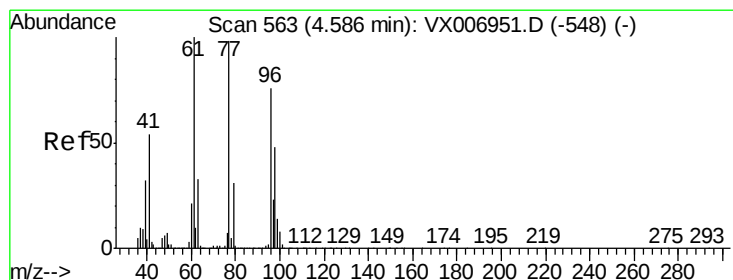
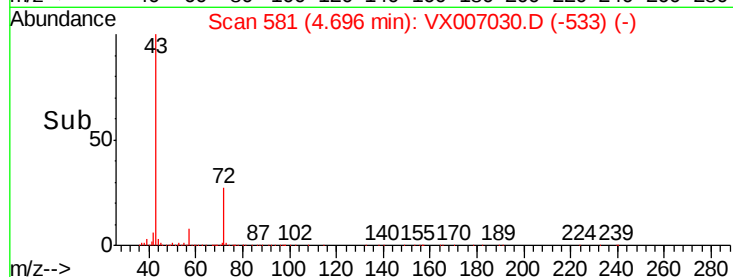
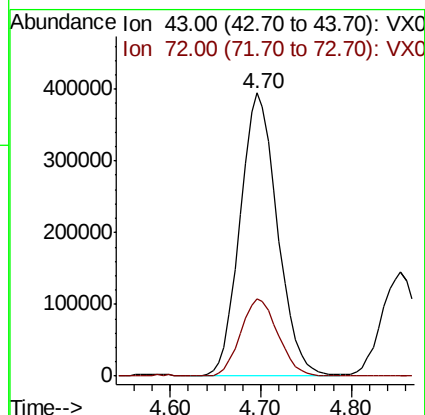
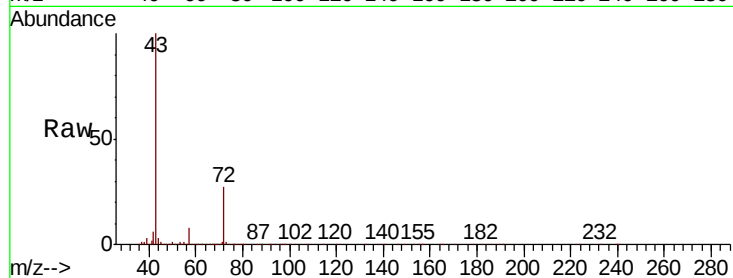




#25
2-Butanone
Concen: 240.828 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

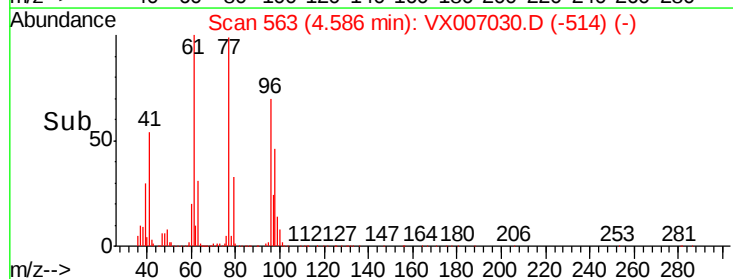
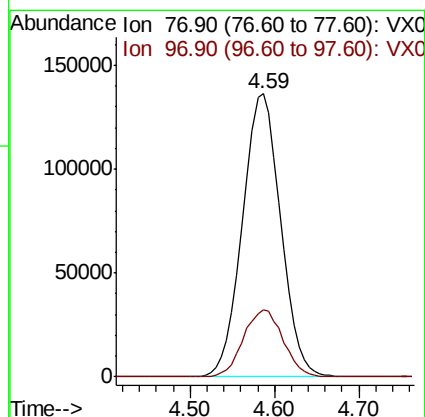
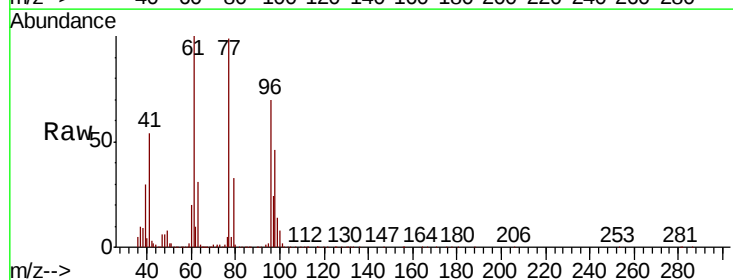
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

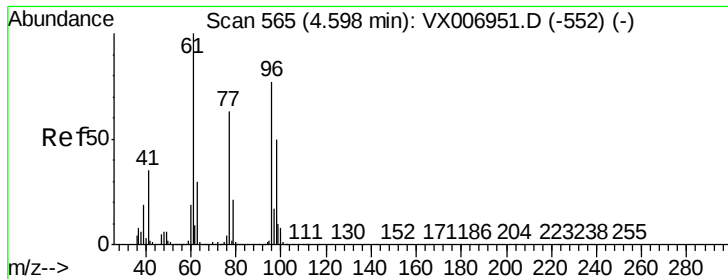
Tgt Ion: 43 Resp: 1121140
Ion Ratio Lower Upper
43 100
72 27.1 22.4 33.6



#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 77 Resp: 419694
Ion Ratio Lower Upper
77 100
97 24.7 12.4 37.4



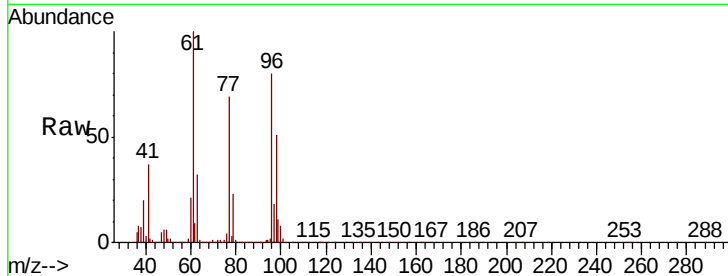


#27

cis-1,2-Dichloroethene
 Concen: 47.040 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	258.6
98	64.5	0.0	132.0

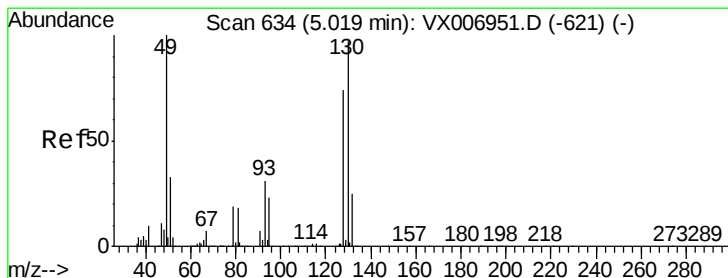
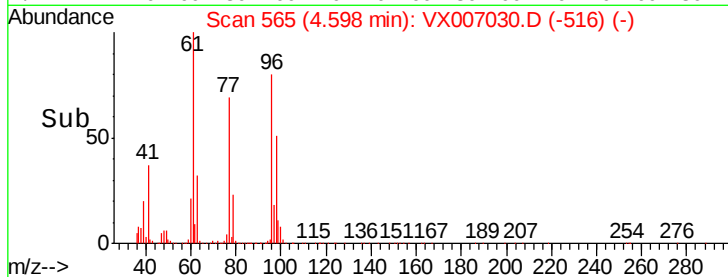
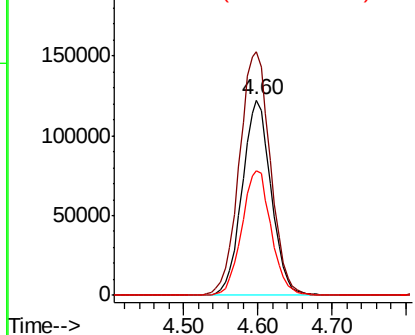


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

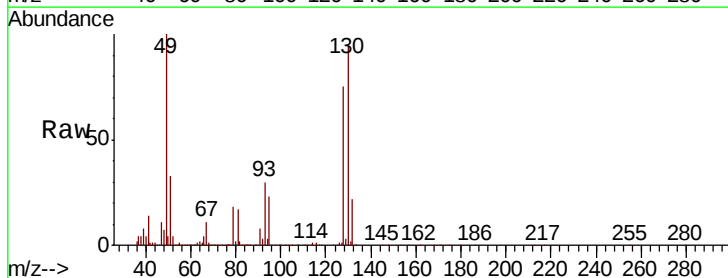
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 50.053 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.2	77.7	116.5

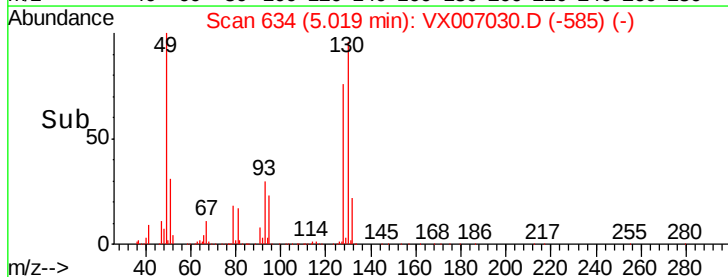
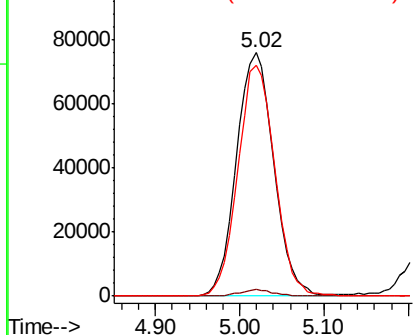


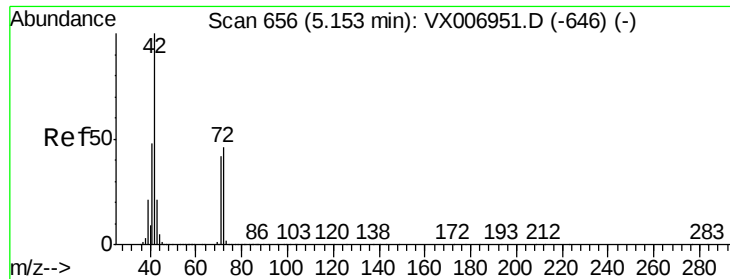
Abundance

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

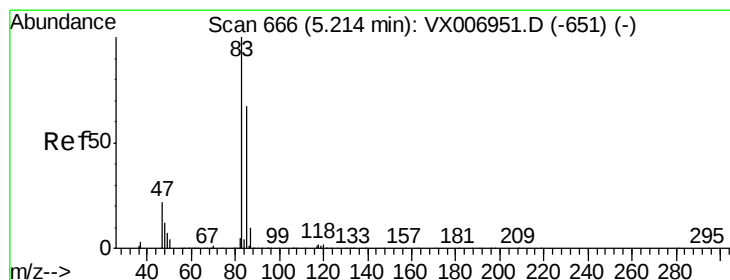
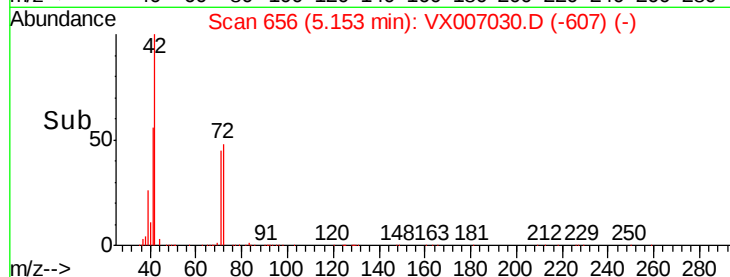
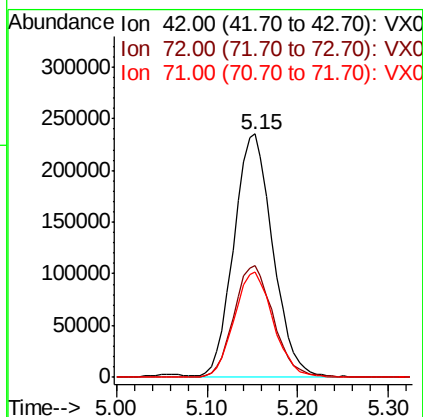
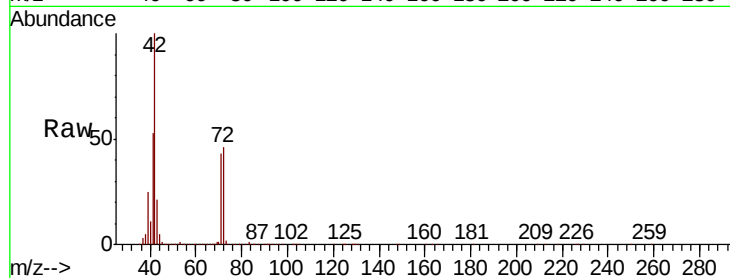




#29
Tetrahydrofuran
Concen: 230.529 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

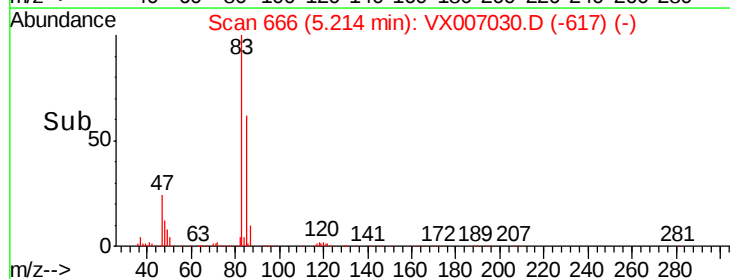
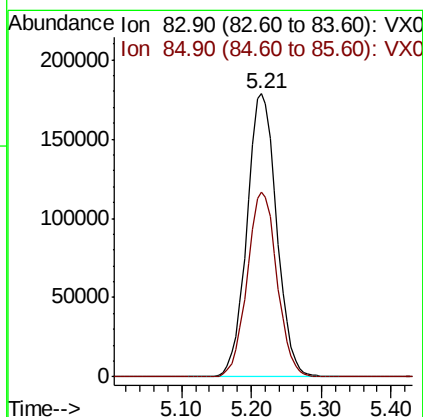
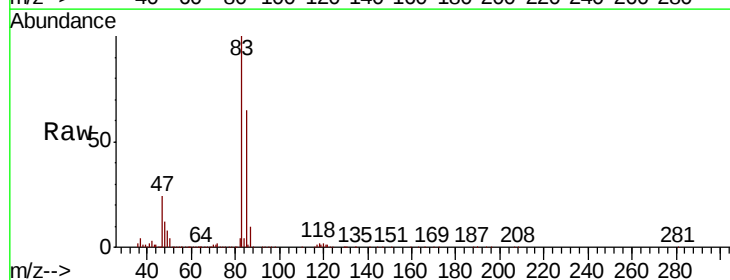
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

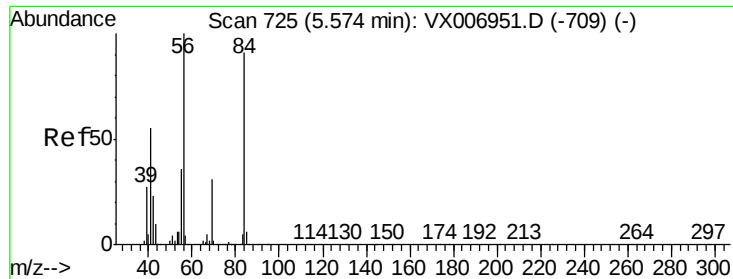
Tgt Ion: 42 Resp: 697443
Ion Ratio Lower Upper
42 100
72 47.1 38.9 58.3
71 43.8 36.2 54.4



#30
Chloroform
Concen: 48.278 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 83 Resp: 527056
Ion Ratio Lower Upper
83 100
85 65.4 51.2 76.8

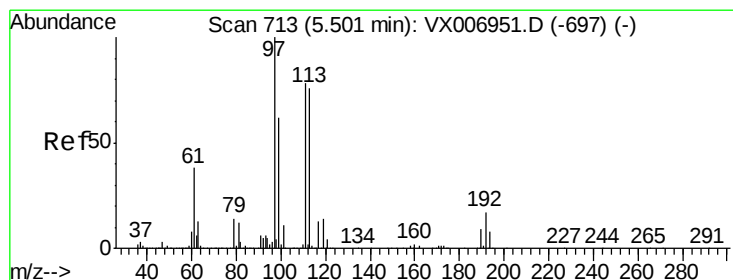
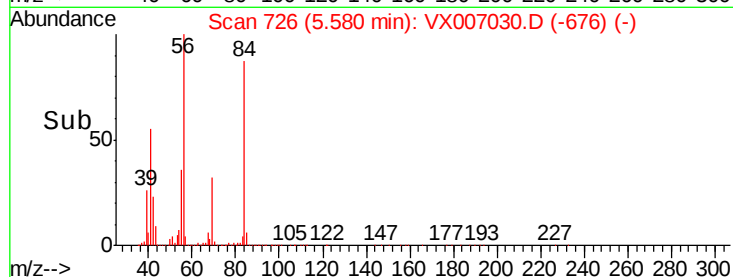
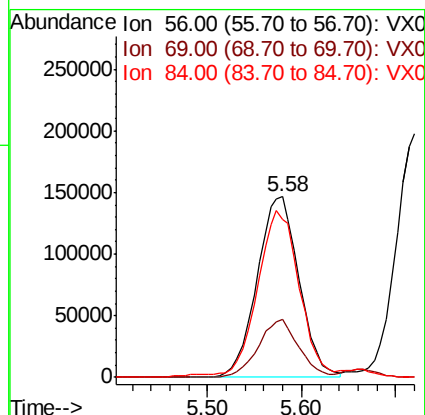
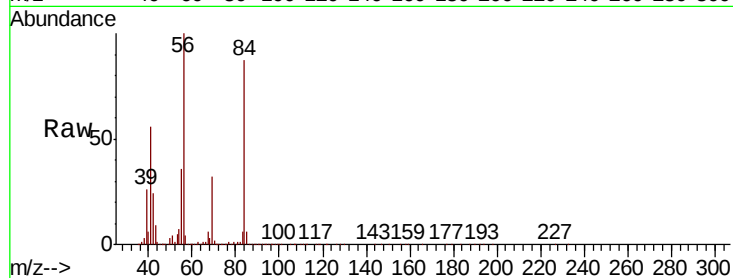




#31
Cyclohexane
Concen: 49.000 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

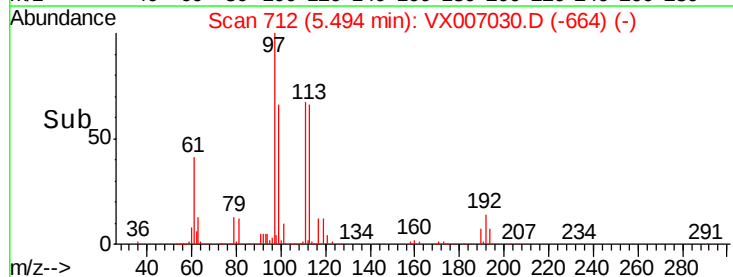
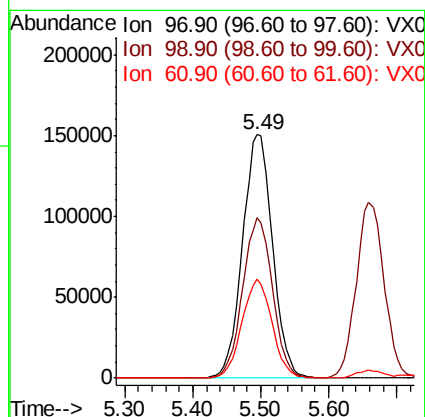
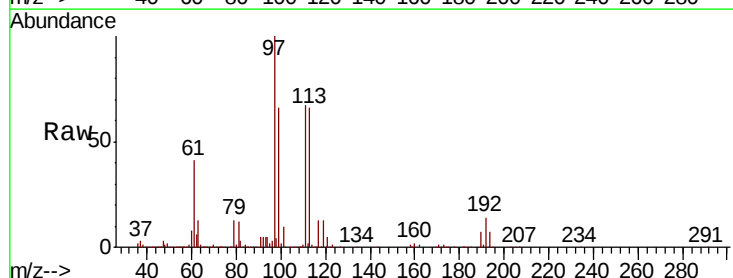
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

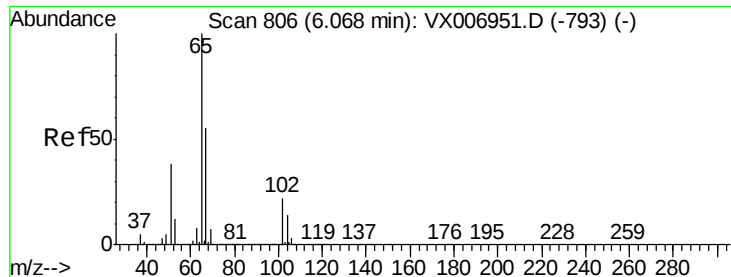
Tgt Ion: 56 Resp: 454751
Ion Ratio Lower Upper
56 100
69 32.3 24.4 36.6
84 86.0 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 50.026 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 97 Resp: 462918
Ion Ratio Lower Upper
97 100
99 65.5 51.7 77.5
61 40.6 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 49.816 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

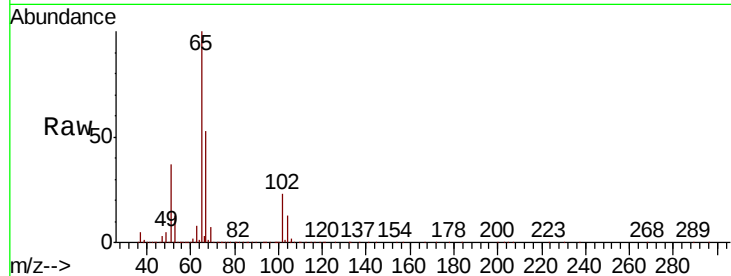
VSTDCCC050

Tgt Ion: 65 Resp: 327851

Ion Ratio Lower Upper

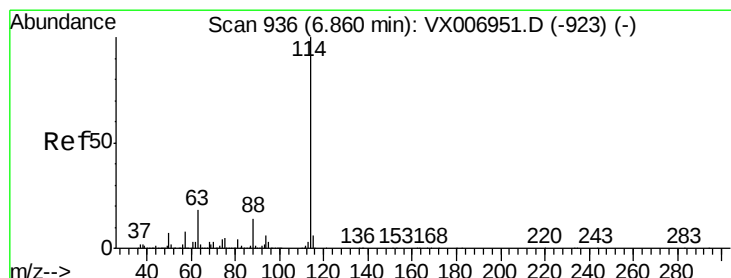
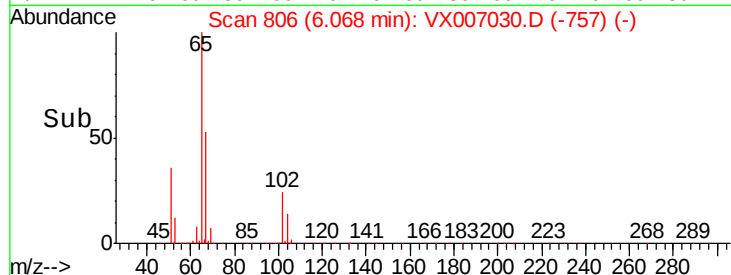
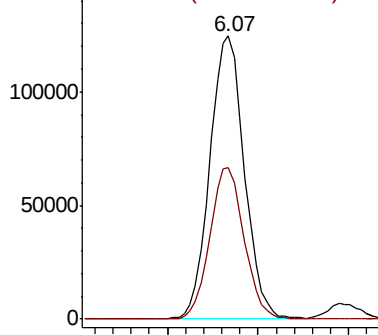
65 100

67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

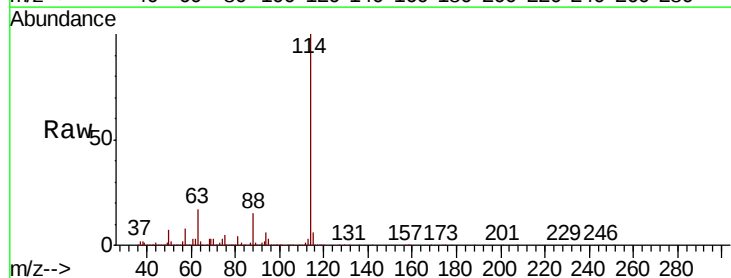
Tgt Ion: 114 Resp: 900097

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.8

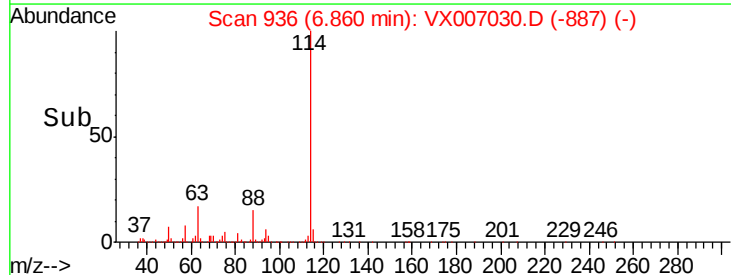
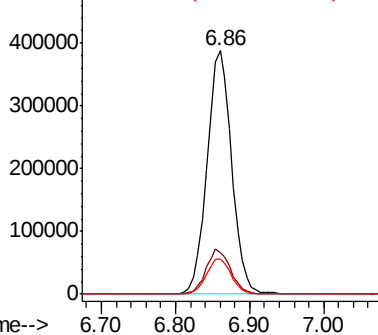
88 14.6 0.0 28.8

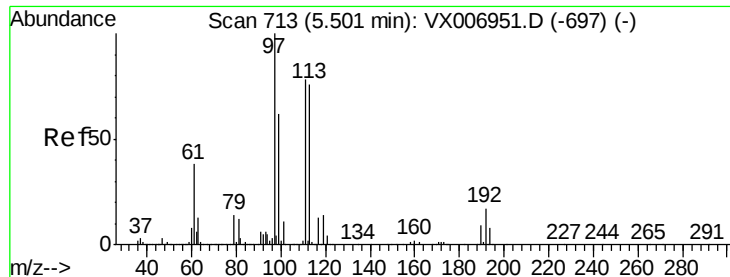


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.127 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

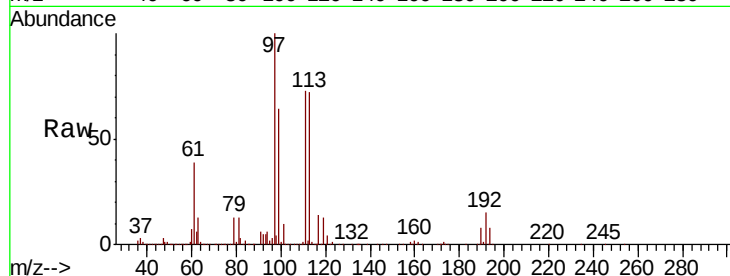
Tgt Ion:113 Resp: 300469

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

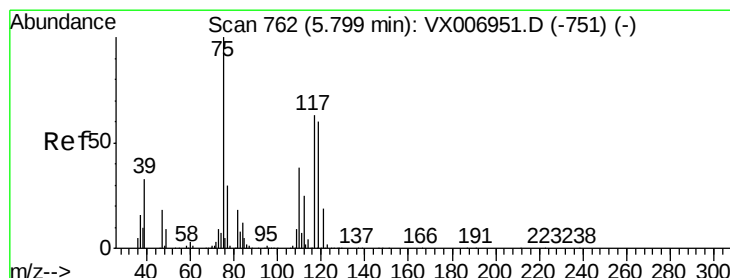
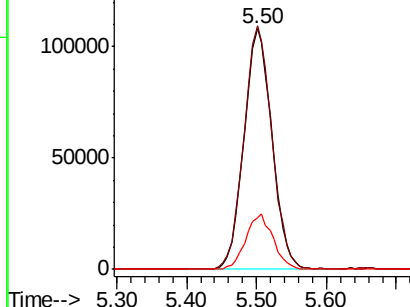
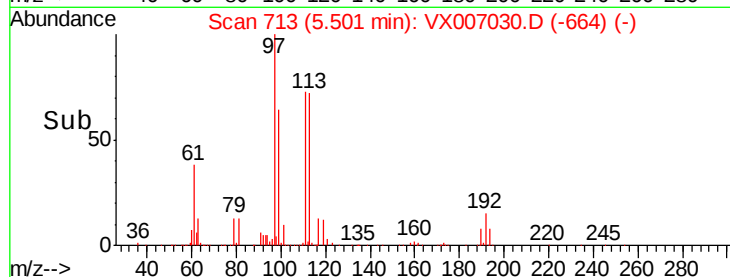
192 22.5 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.134 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

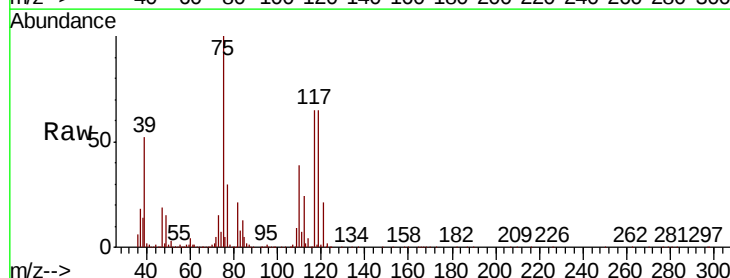
Tgt Ion: 75 Resp: 392327

Ion Ratio Lower Upper

75 100

110 39.8 20.2 60.5

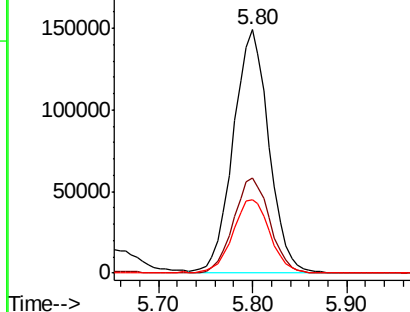
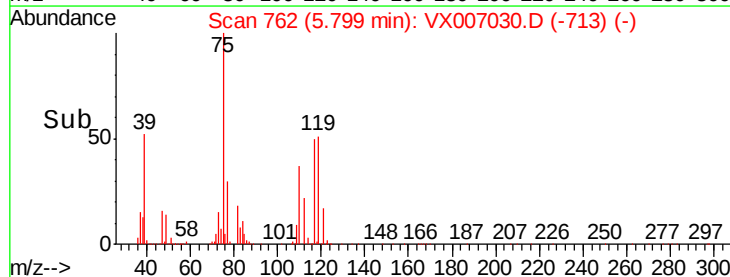
77 31.3 24.8 37.2

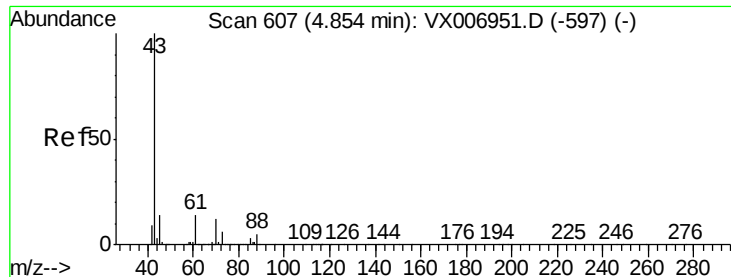


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

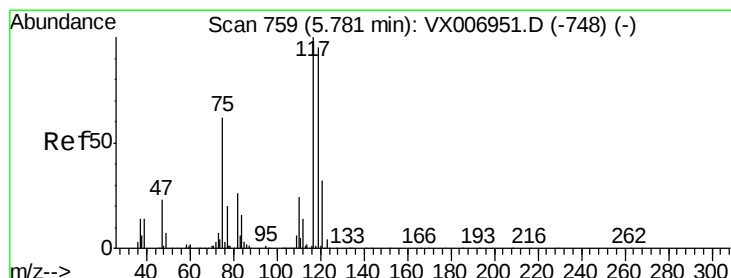
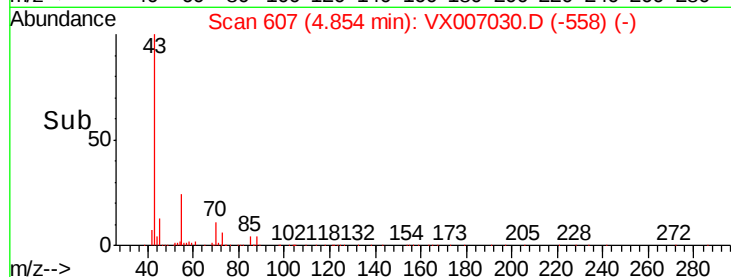
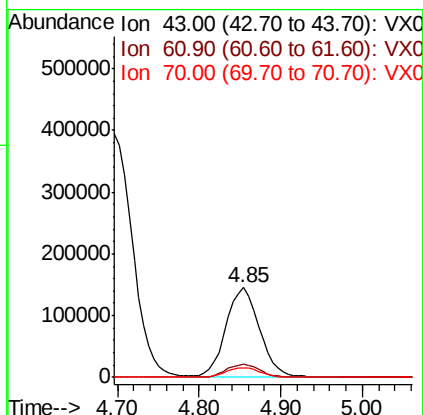
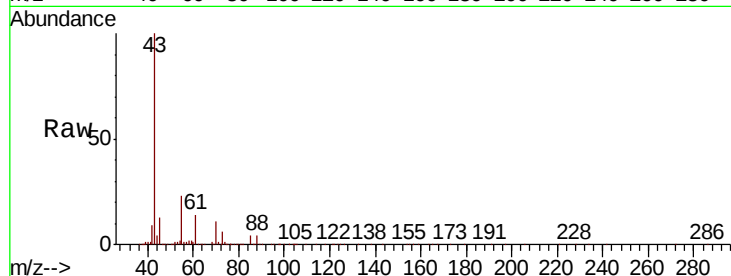




#37
Ethyl Acetate
Concen: 49.265 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

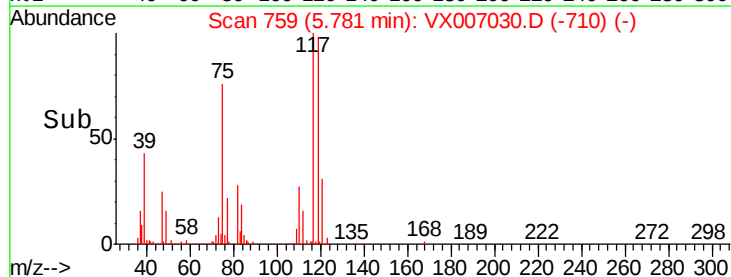
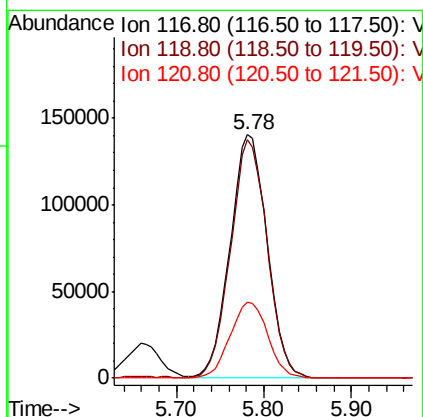
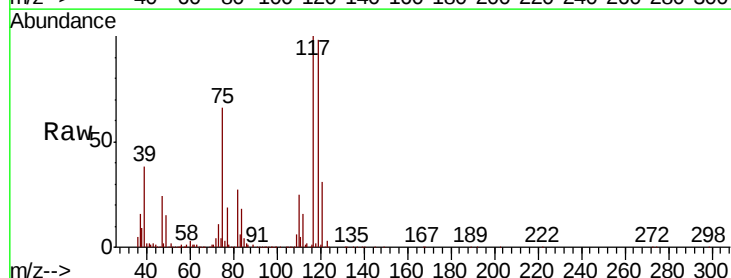
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

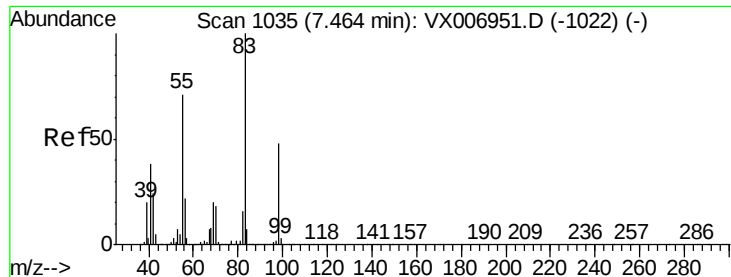
Tgt Ion: 43 Resp: 413320
Ion Ratio Lower Upper
43 100
61 14.3 11.9 17.9
70 11.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 52.262 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 117 Resp: 411481
Ion Ratio Lower Upper
117 100
119 98.1 79.4 119.2
121 30.9 24.0 36.0

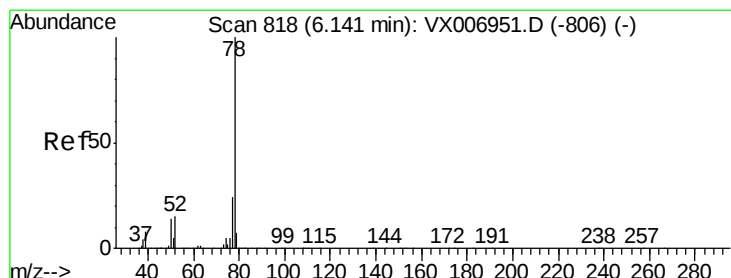
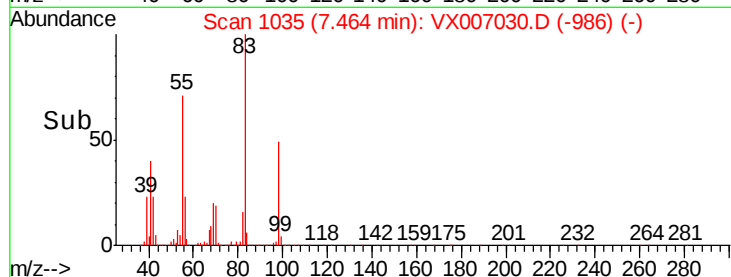
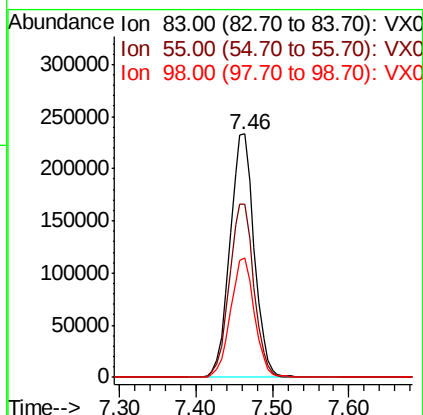
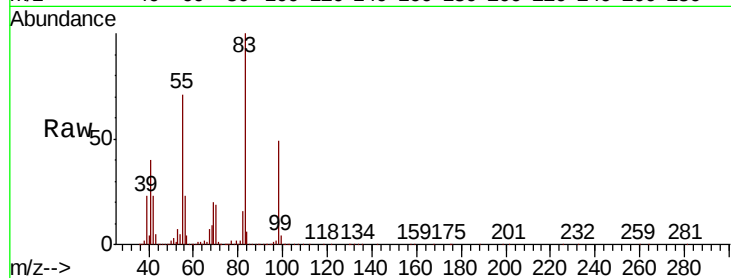




#39
Methylcyclohexane
Concen: 51.182 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

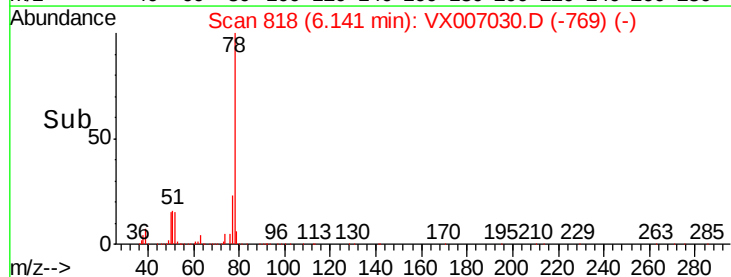
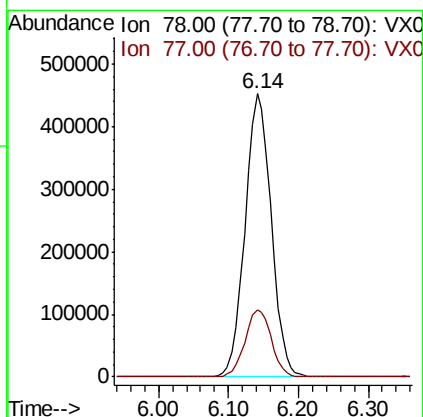
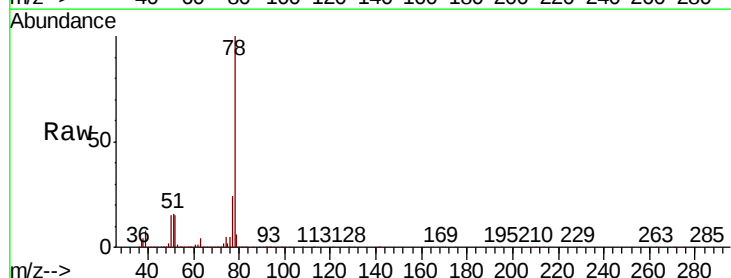
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

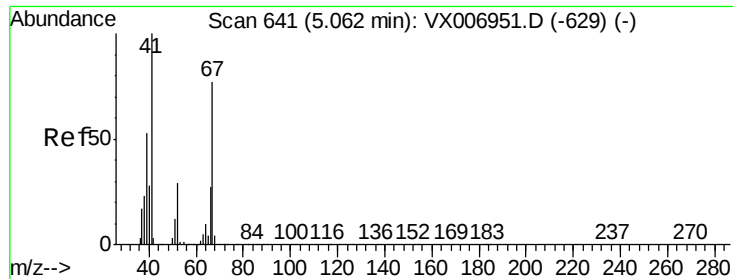
Tgt Ion: 83 Resp: 510620
Ion Ratio Lower Upper
83 100
55 70.9 54.9 82.3
98 48.9 37.9 56.9



#40
Benzene
Concen: 49.161 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 78 Resp: 1173880
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8





#41

Methacrylonitrile

Concen: 48.000 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 231992

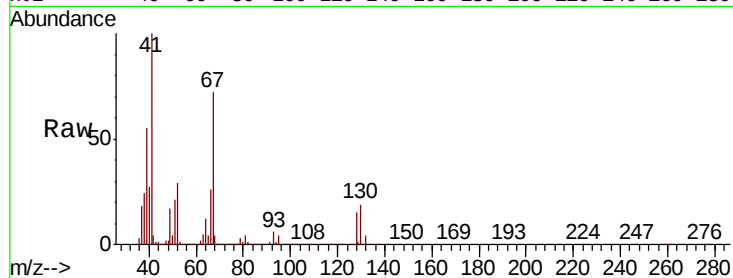
Ion Ratio Lower Upper

41 100

39 54.5 42.8 64.2

67 73.8 62.1 93.1

52 29.3 23.4 35.0

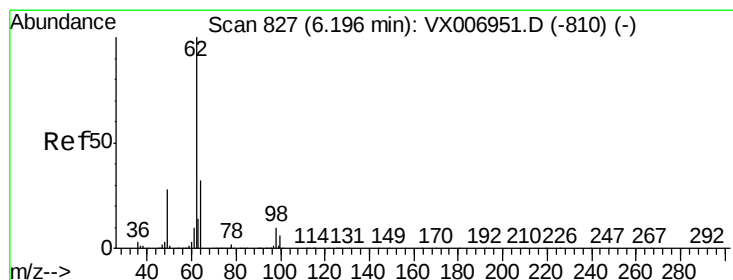
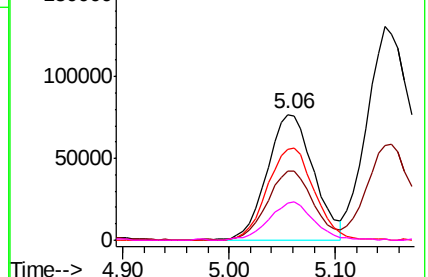
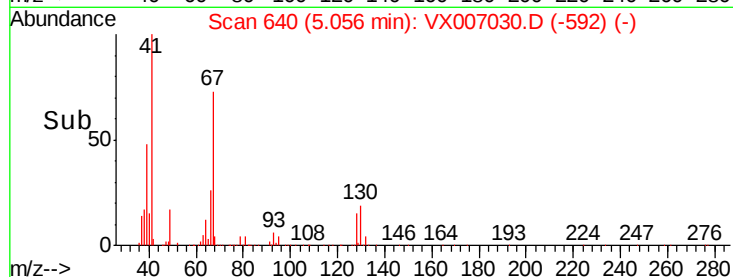


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.499 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007030.D

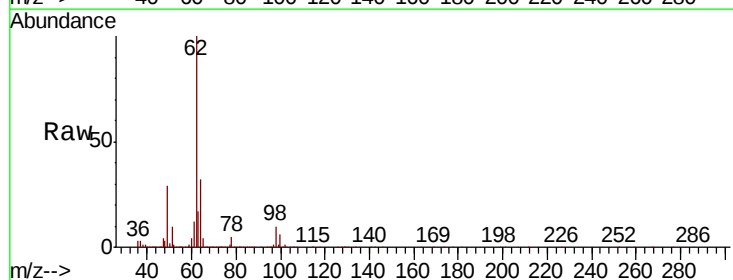
Acq: 14 Jan 2019 10:56

Tgt Ion: 62 Resp: 400187

Ion Ratio Lower Upper

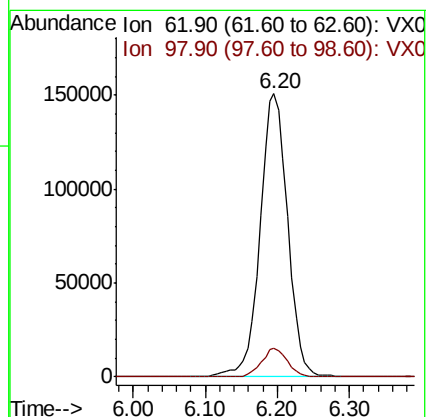
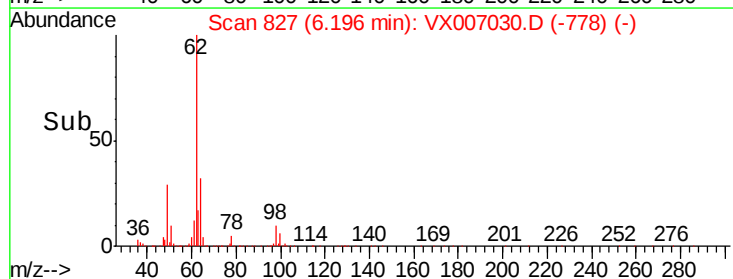
62 100

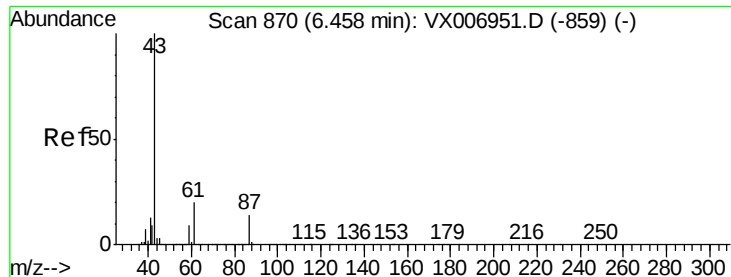
98 9.6 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.496 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

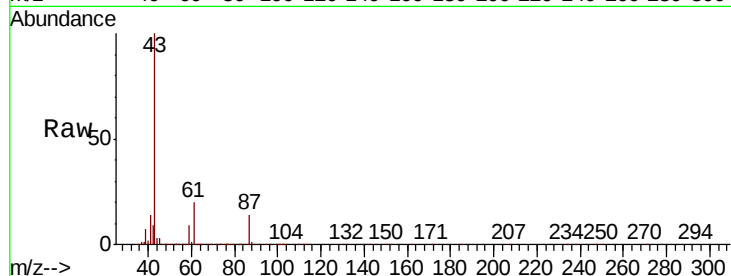
Tgt Ion: 43 Resp: 681481

Ion Ratio Lower Upper

43 100

61 20.2 16.8 25.2

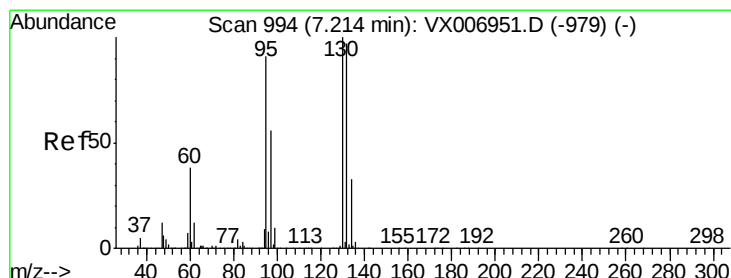
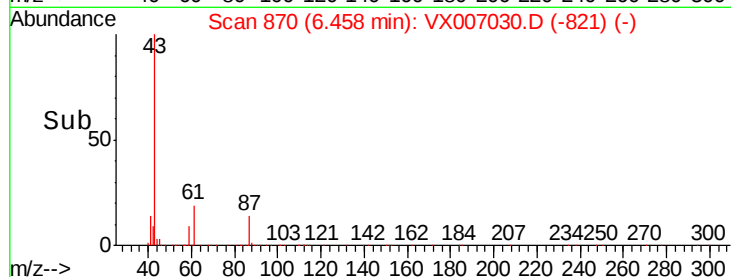
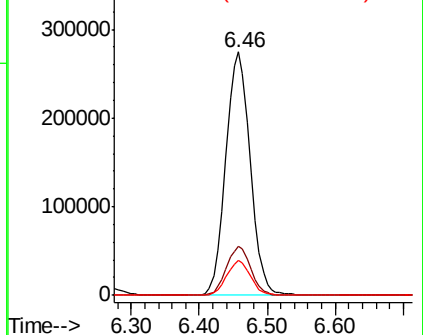
87 14.1 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.392 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007030.D

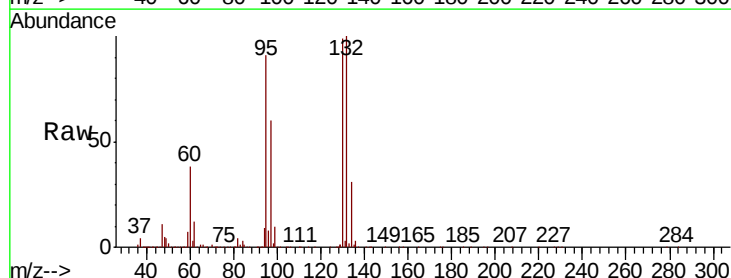
Acq: 14 Jan 2019 10:56

Tgt Ion: 130 Resp: 353415

Ion Ratio Lower Upper

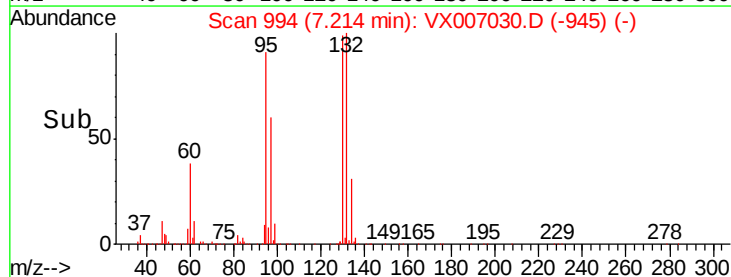
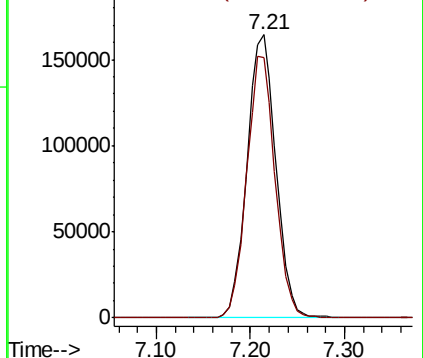
130 100

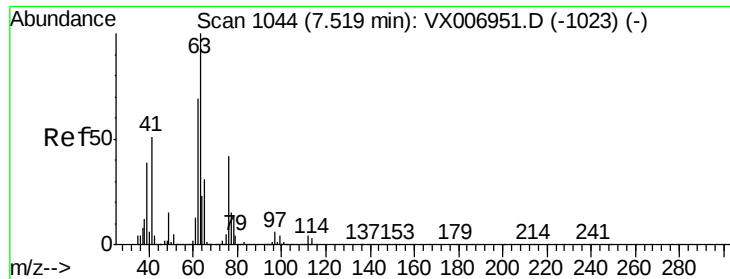
95 91.9 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.149 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 301048

Ion Ratio Lower Upper

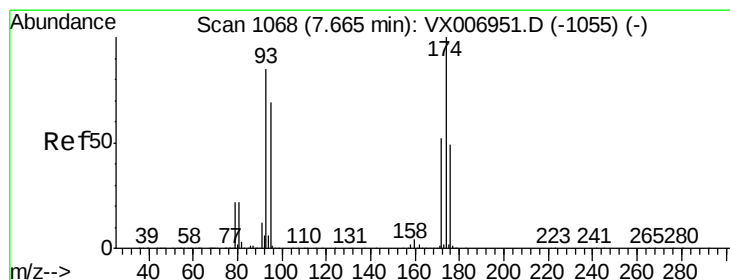
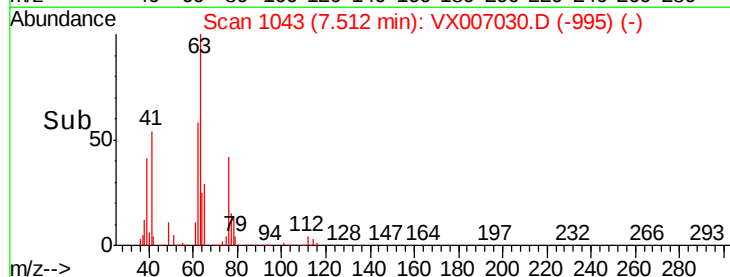
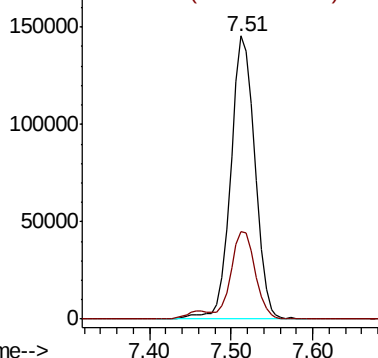
63 100

65 30.7 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.111 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

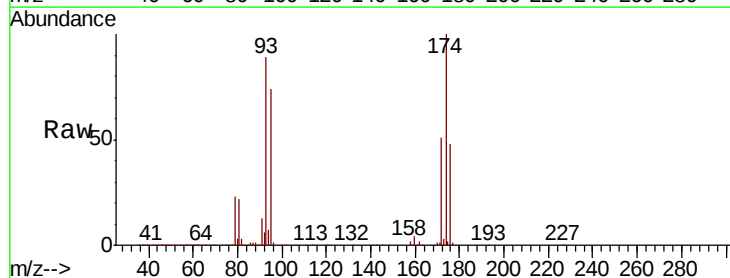
Tgt Ion: 93 Resp: 211417

Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

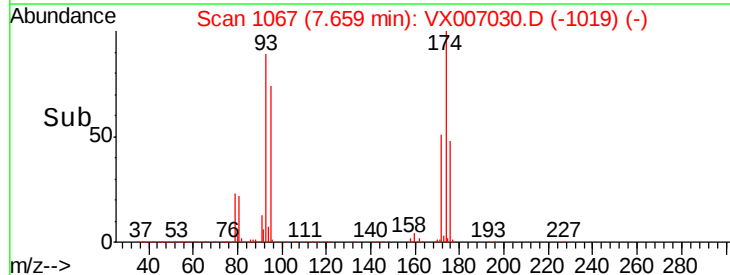
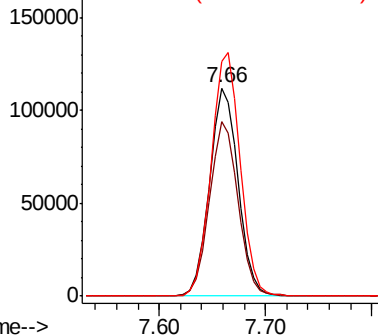
174 119.2 91.0 136.4

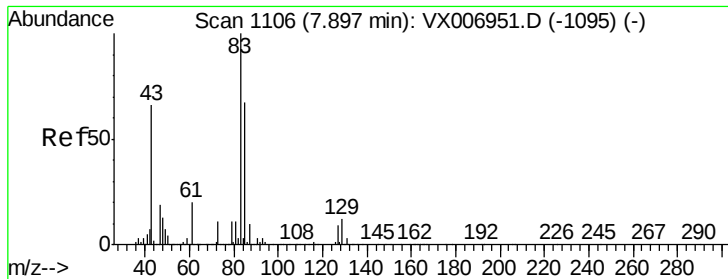


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.899 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

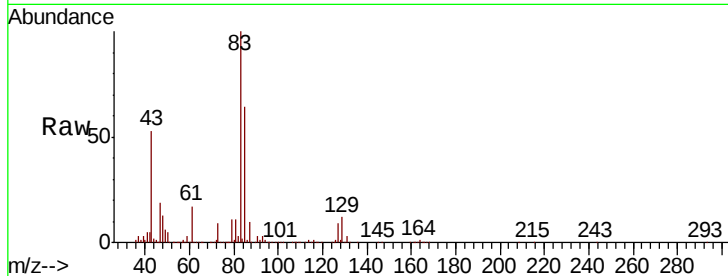
Tgt Ion: 83 Resp: 387068

Ion Ratio Lower Upper

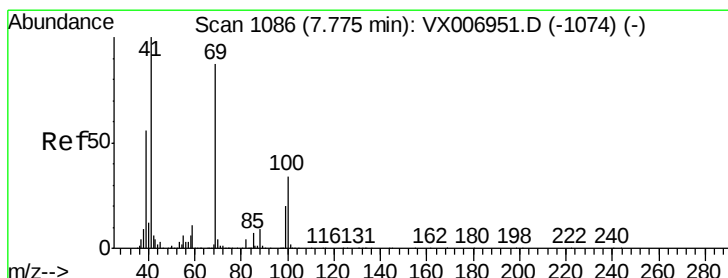
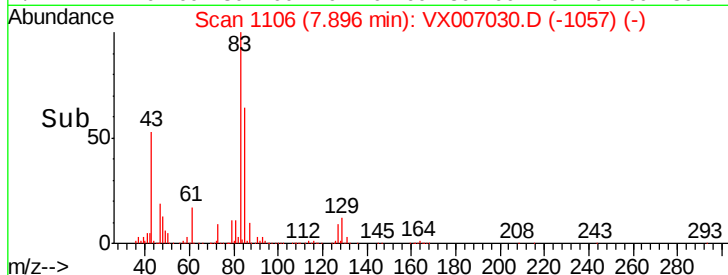
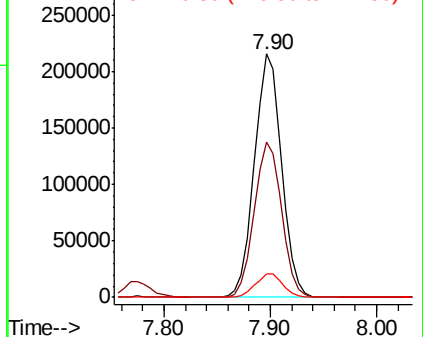
83 100

85 63.6 53.2 79.8

127 9.4 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.036 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

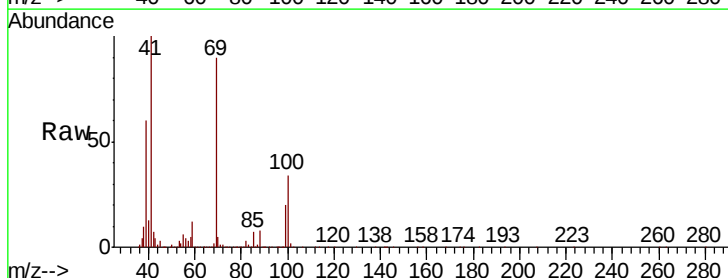
Tgt Ion: 41 Resp: 346843

Ion Ratio Lower Upper

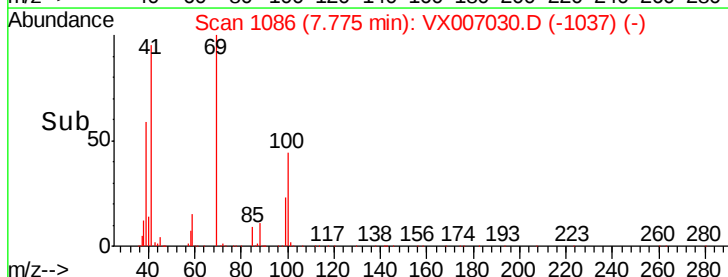
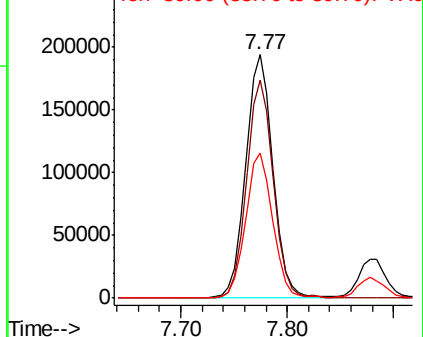
41 100

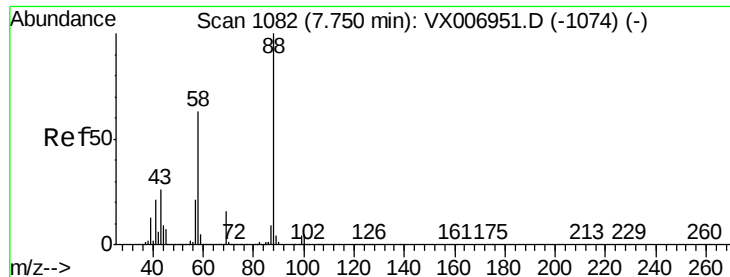
69 88.7 72.4 108.6

39 59.4 45.8 68.8



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

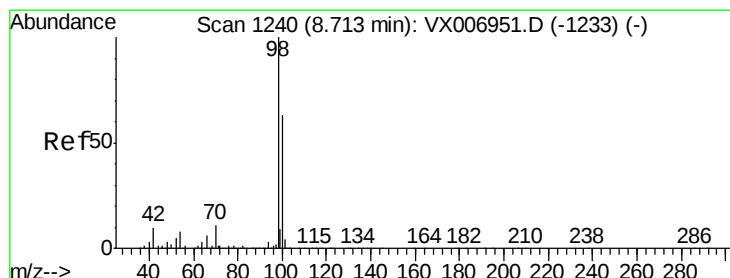
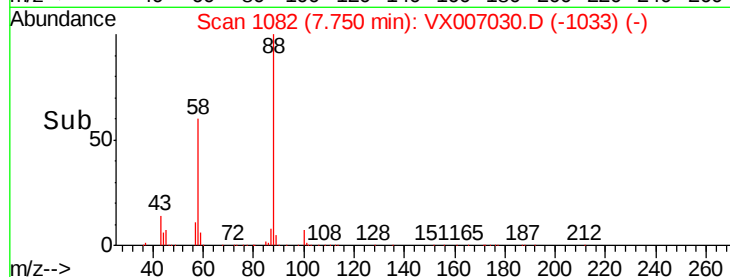
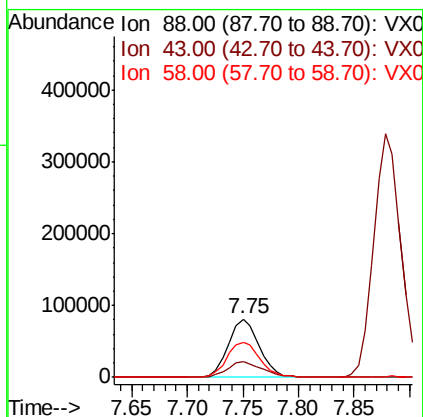
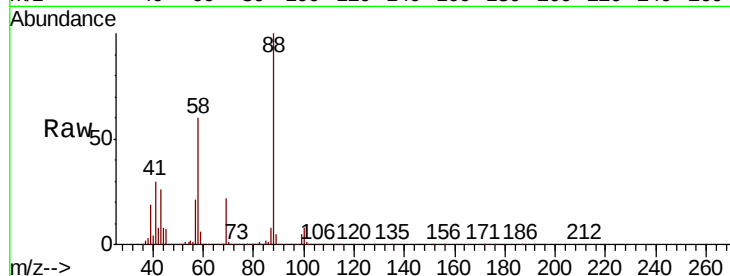




#49
1,4-Dioxane
Concen: 1005.245 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

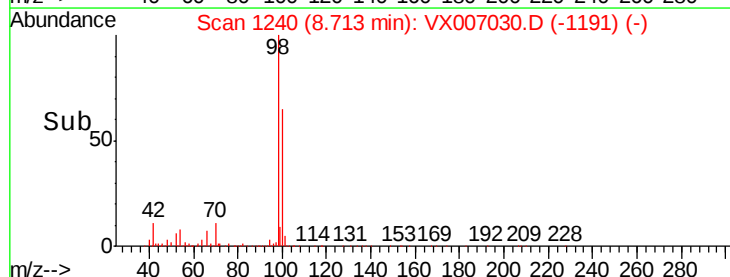
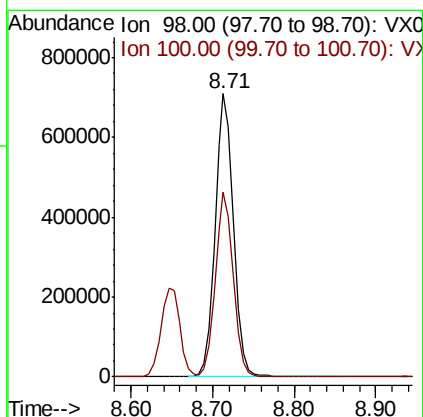
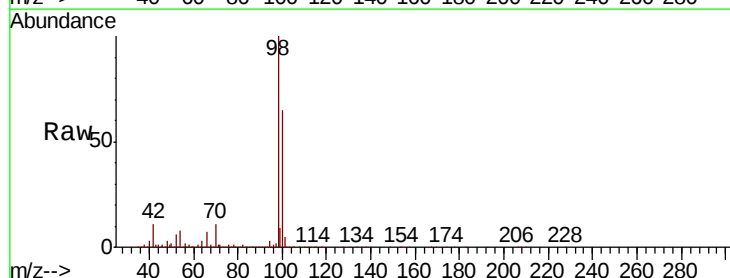
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

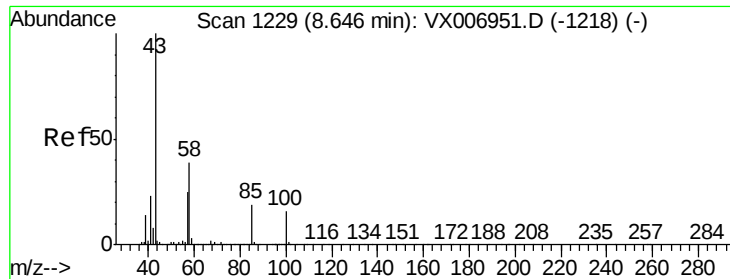
Tgt Ion: 88 Resp: 156007
Ion Ratio Lower Upper
88 100
43 30.0 22.2 33.4
58 64.9 51.0 76.4



#50
Toluene-d8
Concen: 53.078 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 98 Resp: 1119876
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

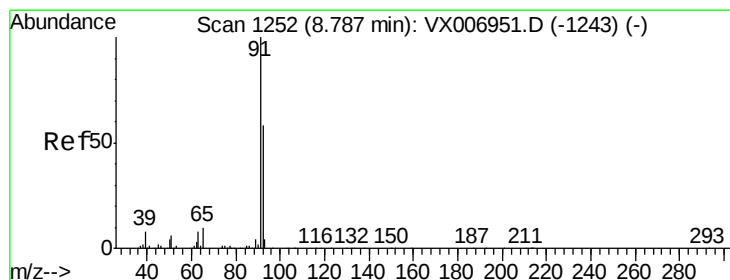
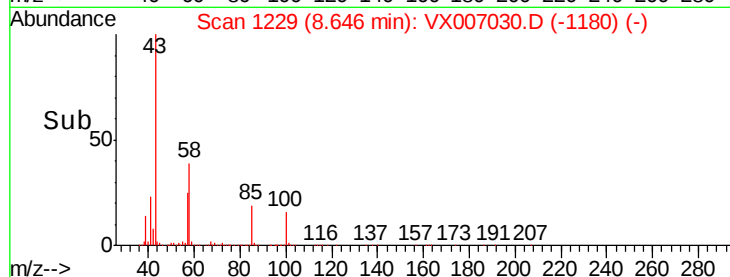
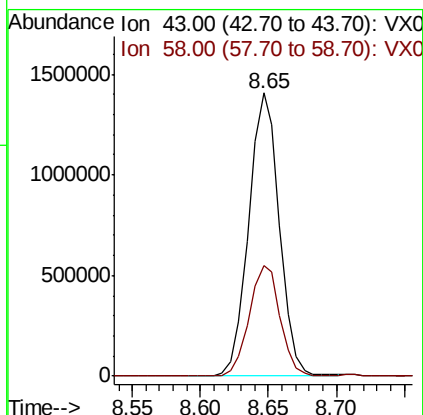
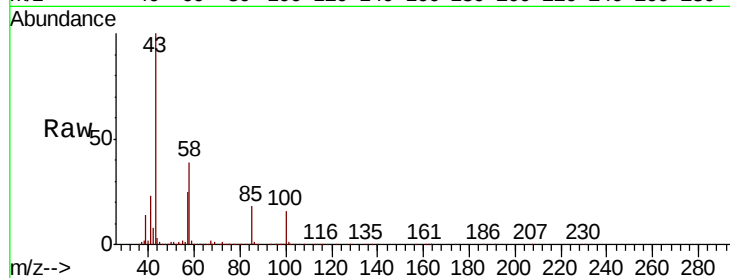




#51
 4-Methyl-2-Pentanone
 Concen: 260.064 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

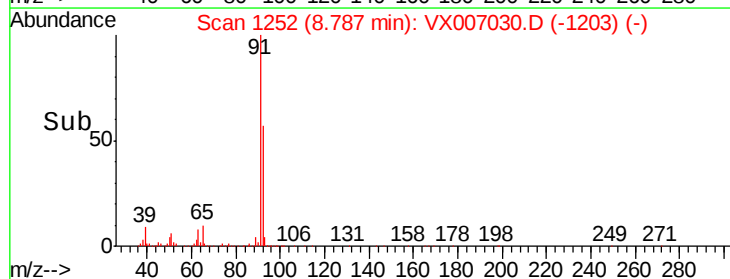
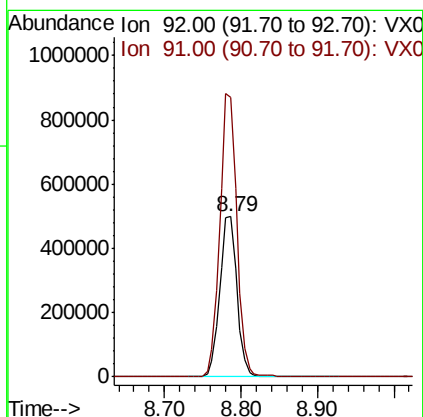
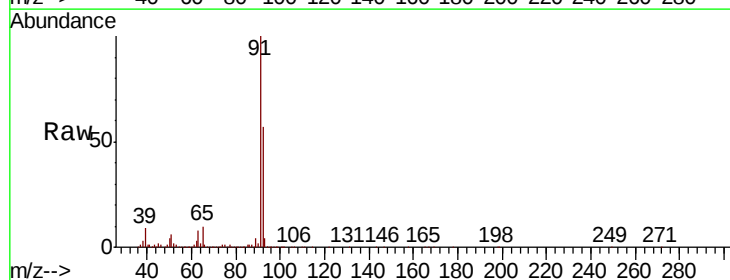
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

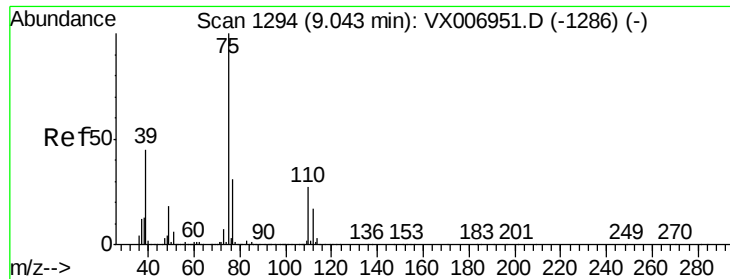
Tgt Ion: 43 Resp: 2211784
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.6



#52
 Toluene
 Concen: 50.649 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Tgt Ion: 92 Resp: 777326
 Ion Ratio Lower Upper
 92 100
 91 175.1 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 56.681 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

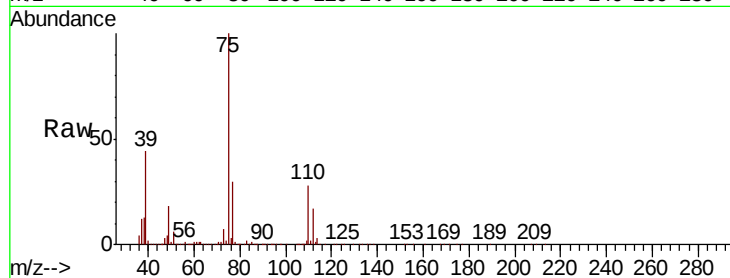
VSTDCCC050

Tgt Ion: 75 Resp: 451358

Ion Ratio Lower Upper

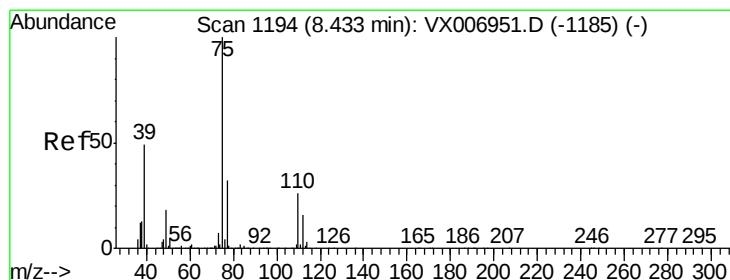
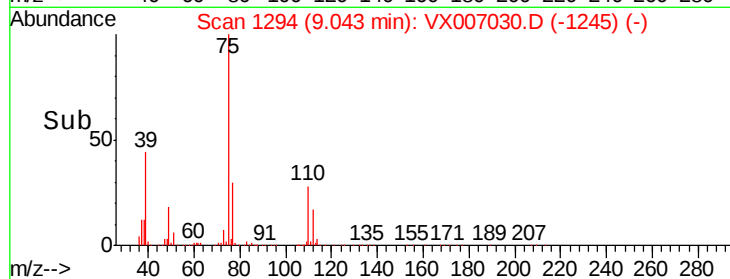
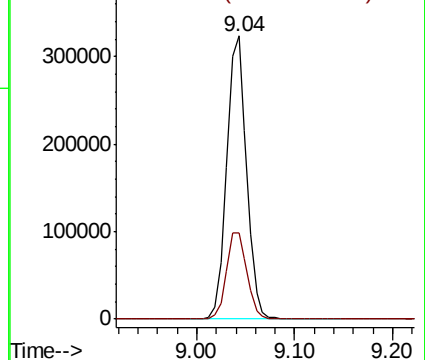
75 100

77 30.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 55.108 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

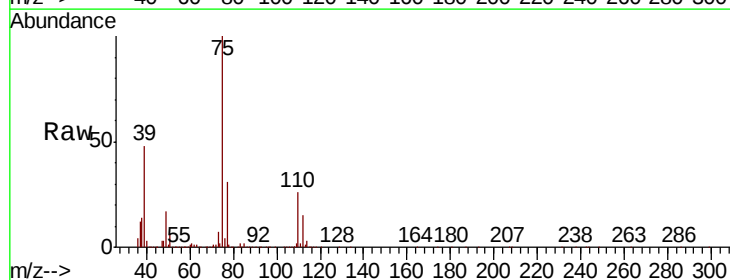
Tgt Ion: 75 Resp: 484626

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2

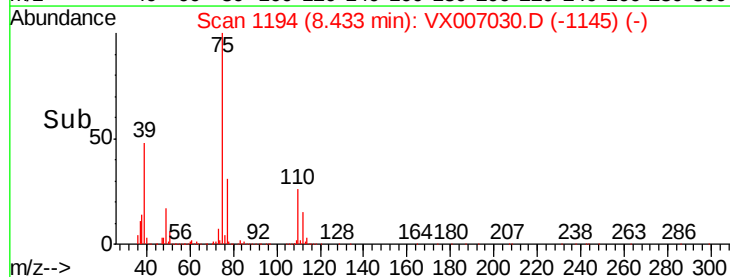
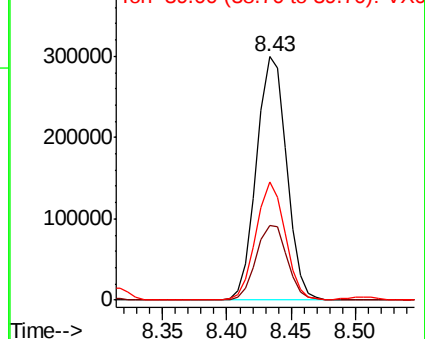
39 48.3 36.7 55.1

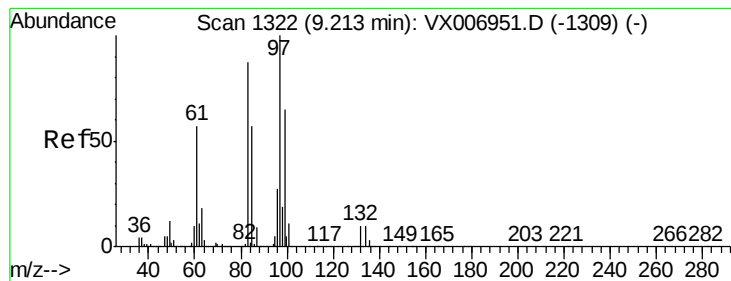


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 52.805 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 324378

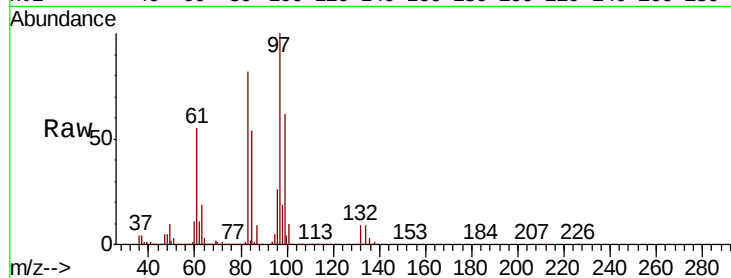
Ion Ratio Lower Upper

97 100

83 81.7 66.6 99.8

85 54.3 42.7 64.1

99 62.2 50.8 76.2

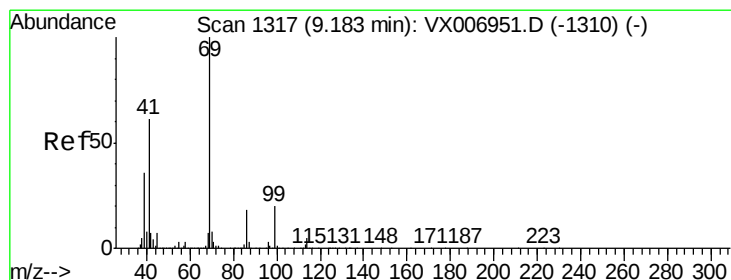
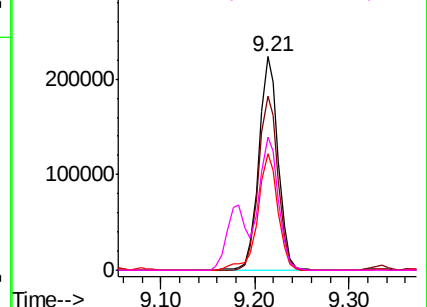
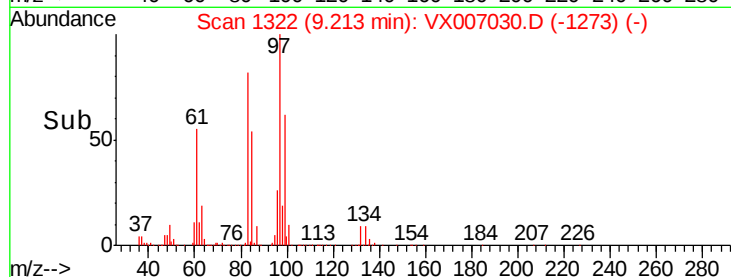


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 54.156 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

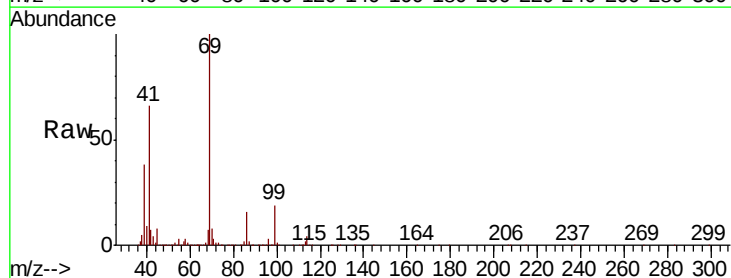
Tgt Ion: 69 Resp: 485672

Ion Ratio Lower Upper

69 100

41 64.1 48.7 73.1

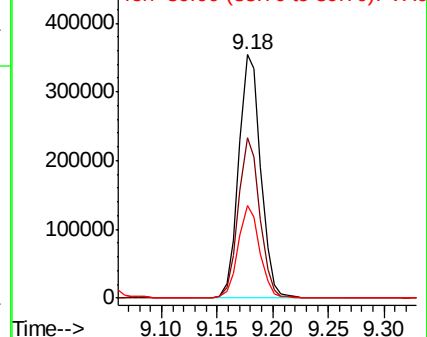
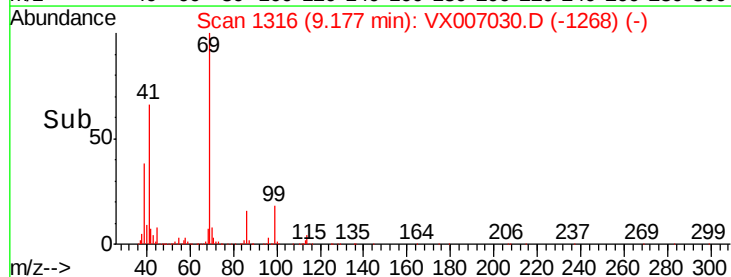
39 36.9 27.0 40.6

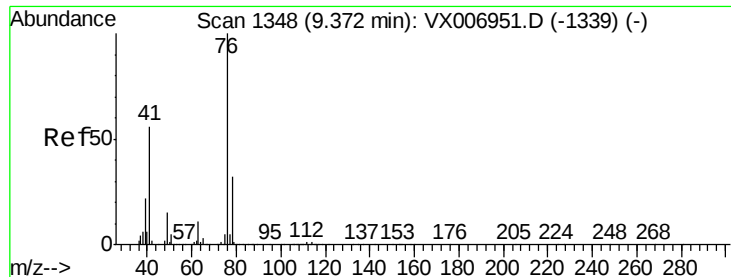


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.024 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

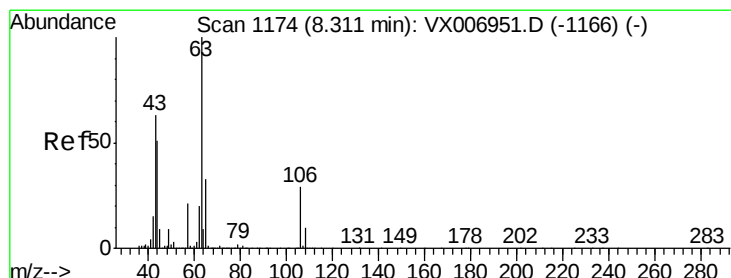
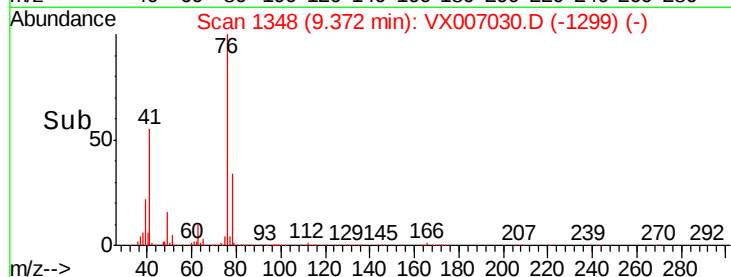
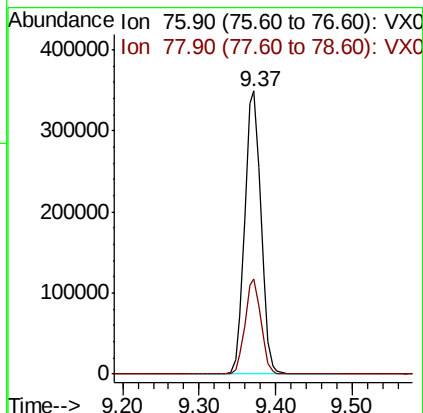
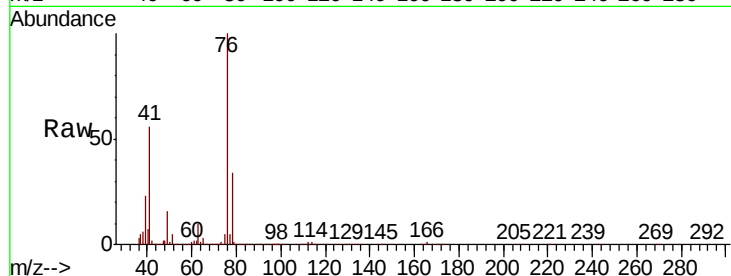
VSTDCCC050

Tgt Ion: 76 Resp: 513502

Ion Ratio Lower Upper

76 100

78 33.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 253.383 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007030.D

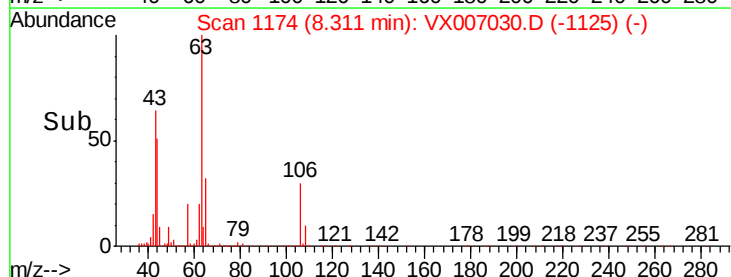
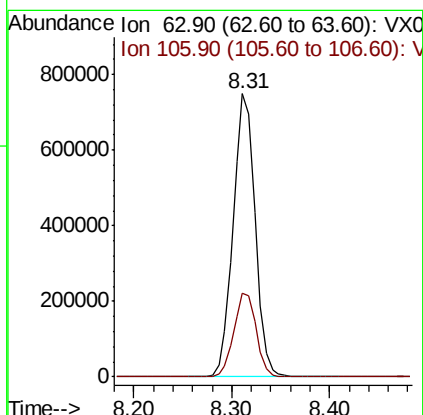
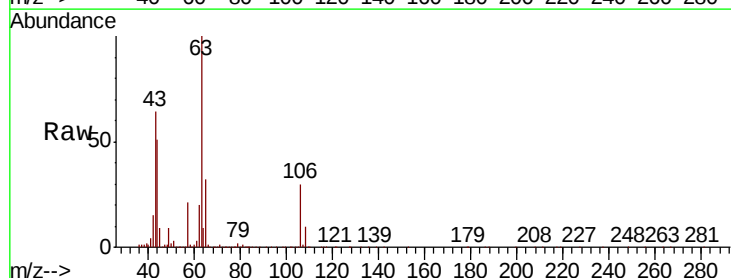
Acq: 14 Jan 2019 10:56

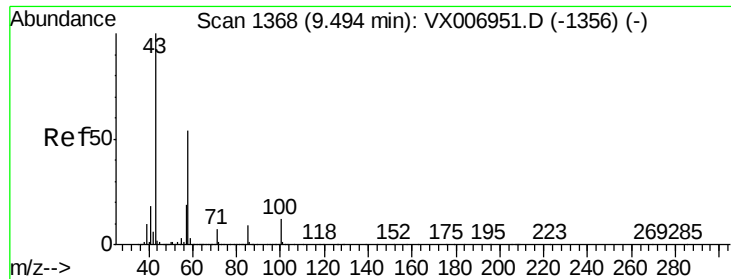
Tgt Ion: 63 Resp: 1168333

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8

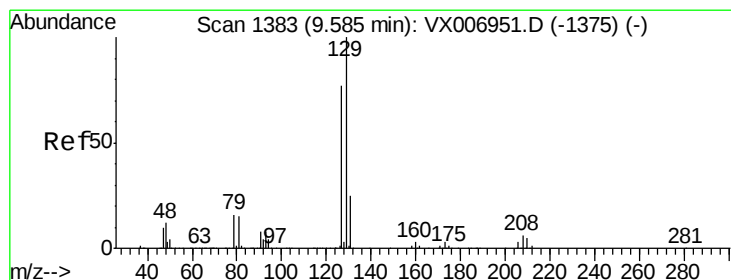
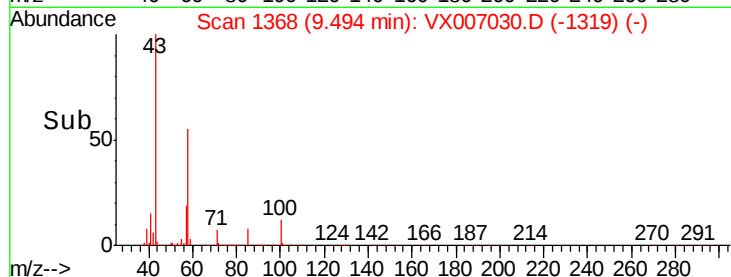
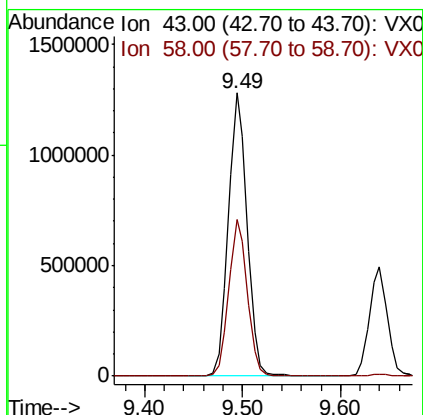
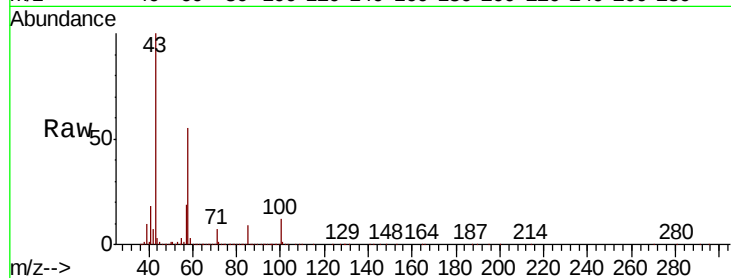




#59
2-Hexanone
Concen: 263.284 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

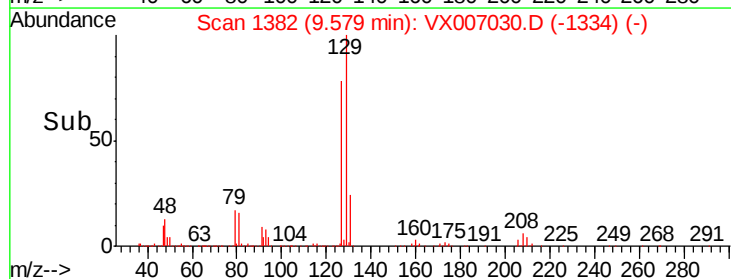
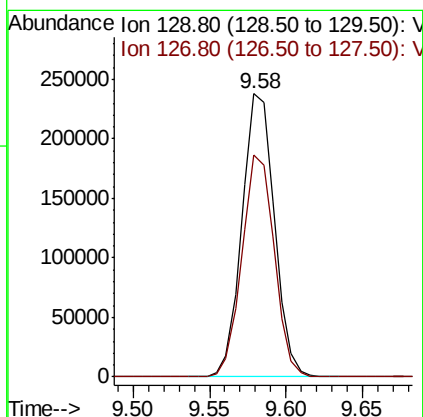
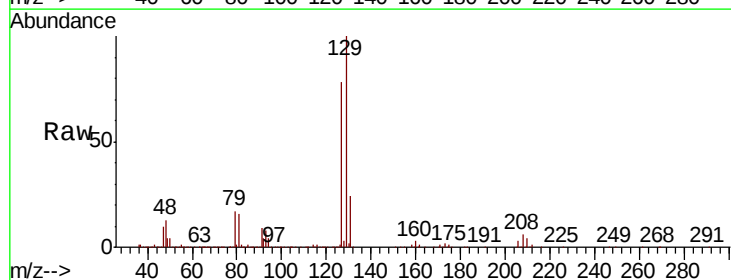
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

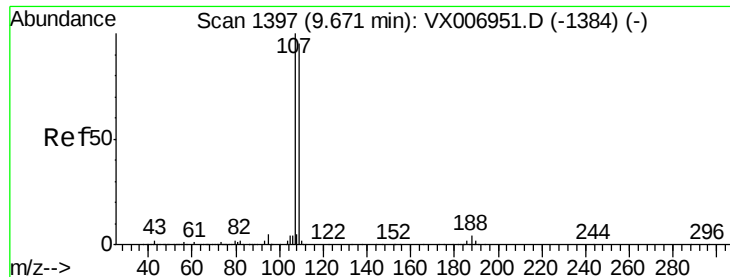
Tgt Ion: 43 Resp: 1706374
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1



#60
Dibromochloromethane
Concen: 58.819 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 129 Resp: 350855
Ion Ratio Lower Upper
129 100
127 78.2 39.3 117.8





#61

1,2-Dibromoethane

Concen: 52.034 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

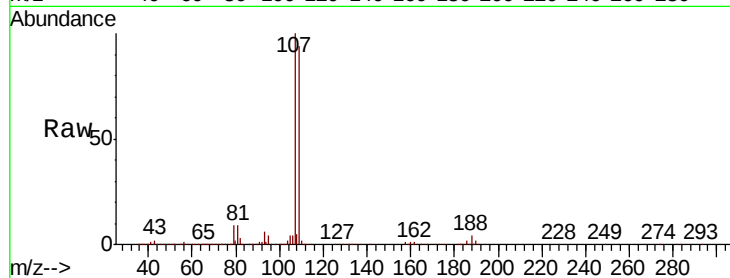
VSTDCCC050

Tgt Ion: 107 Resp: 351897

Ion Ratio Lower Upper

107 100

109 93.4 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

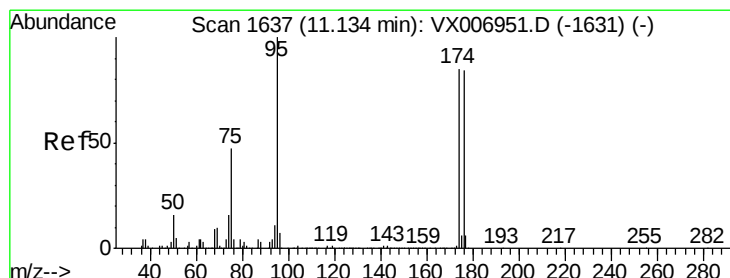
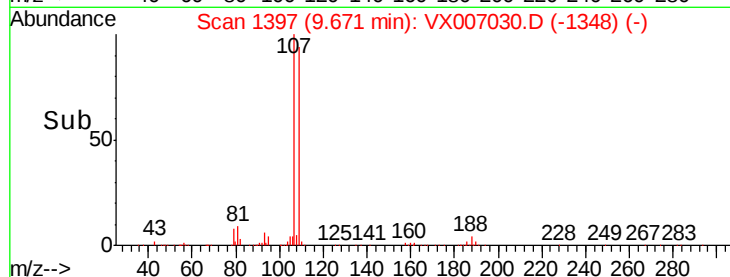
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.705 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

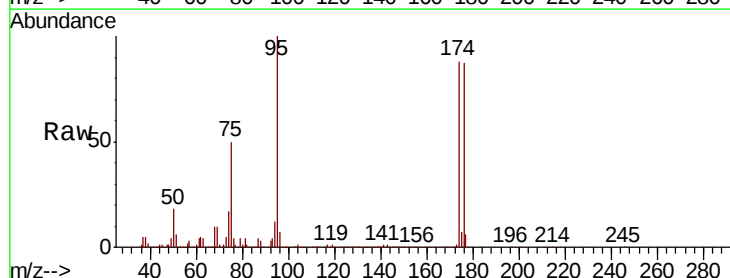
Tgt Ion: 95 Resp: 417091

Ion Ratio Lower Upper

95 100

174 95.6 0.0 182.2

176 93.5 0.0 178.8



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

400000

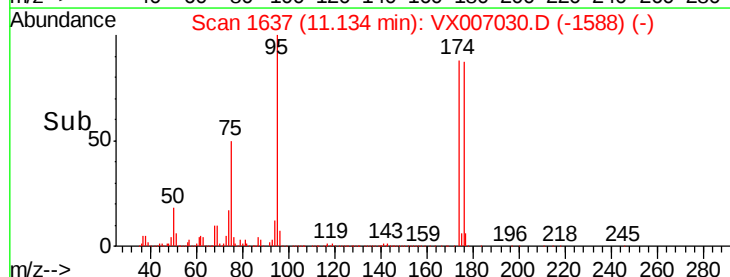
300000

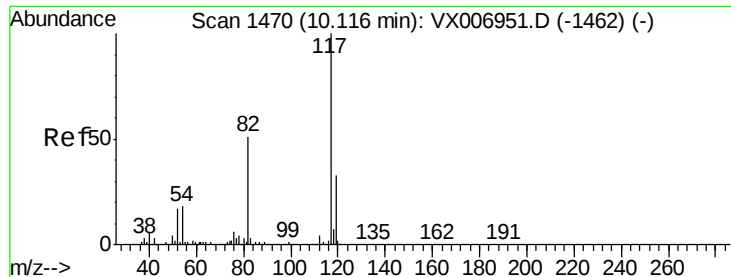
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

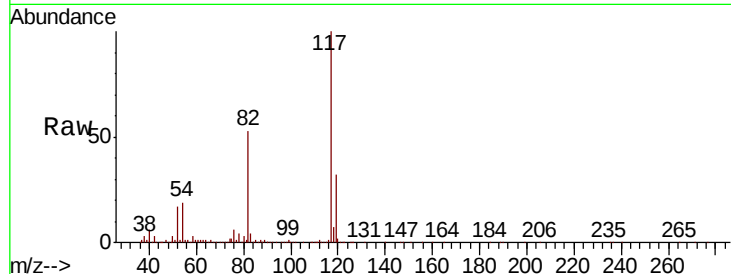
Tgt Ion:117 Resp: 852440

Ion Ratio Lower Upper

117 100

82 53.3 41.0 61.6

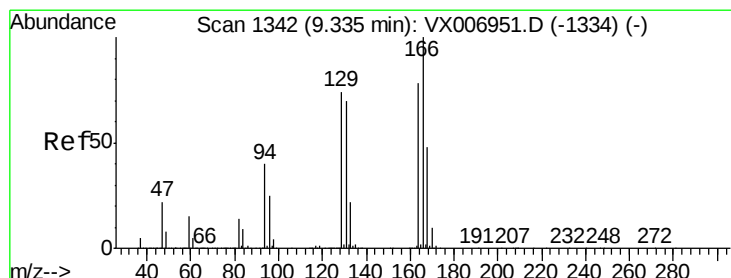
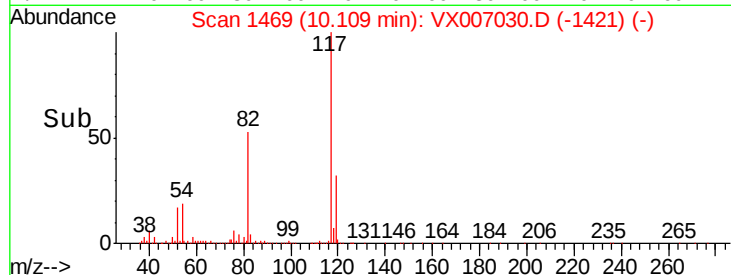
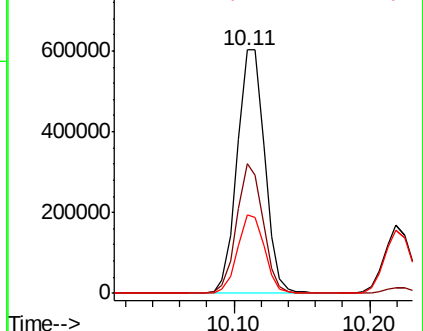
119 32.2 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.771 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Tgt Ion:164 Resp: 359941

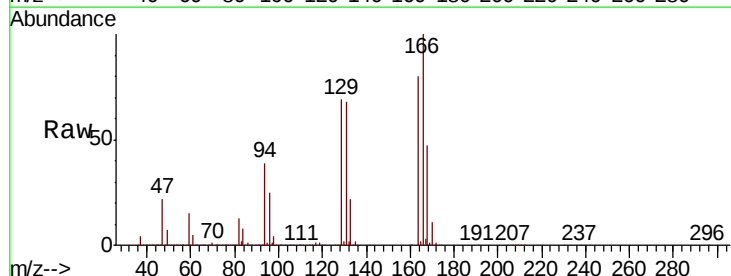
Ion Ratio Lower Upper

164 100

166 124.8 102.5 153.7

129 85.7 75.1 112.7

131 85.2 72.7 109.1

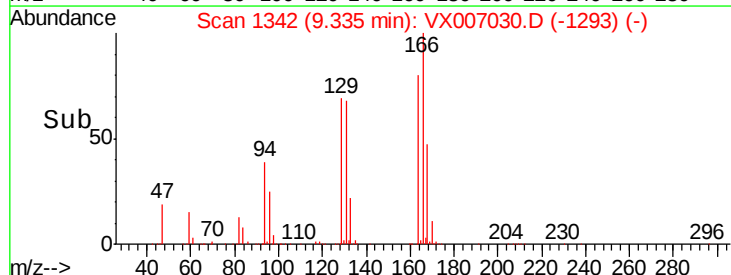
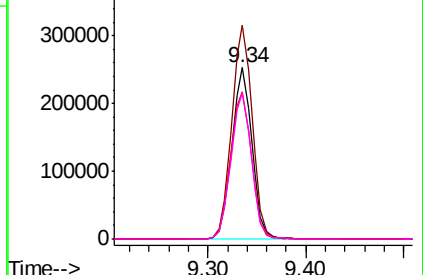


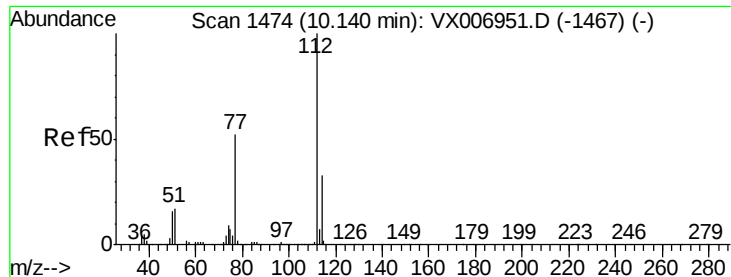
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

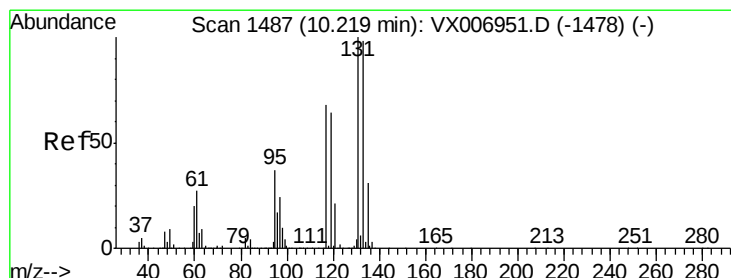
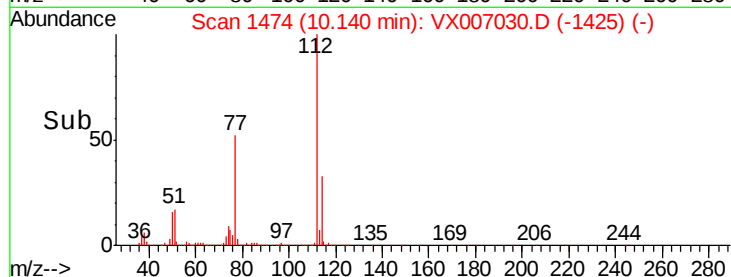
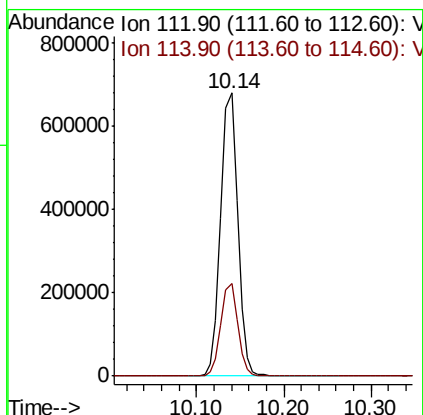
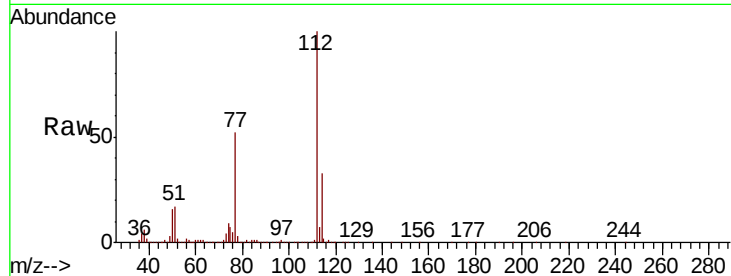




#65
Chlorobenzene
Concen: 49.708 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

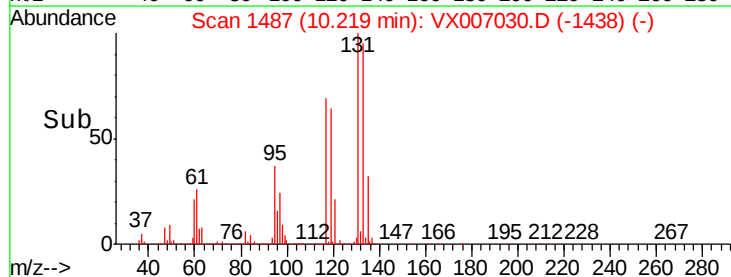
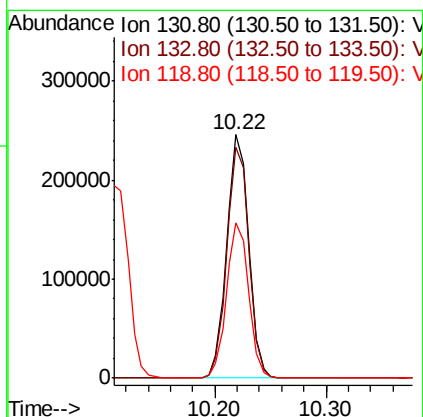
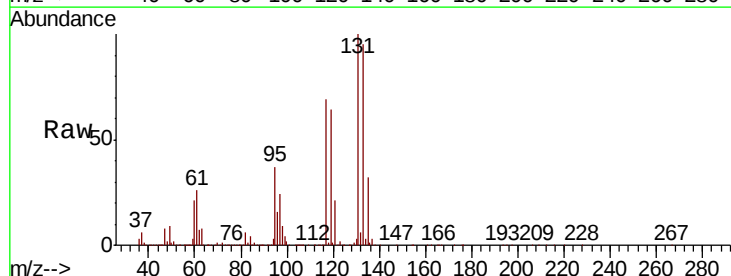
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

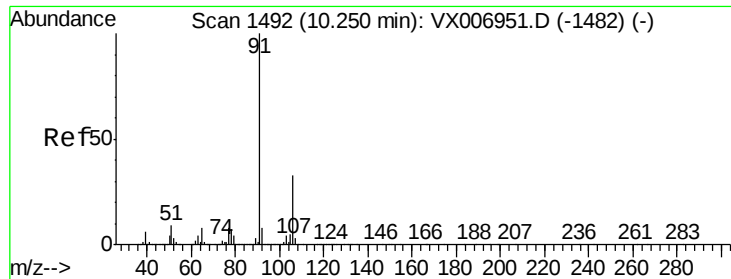
Tgt Ion:112 Resp: 924187
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.525 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion:131 Resp: 334766
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.2
119 64.4 32.6 97.8





#67

Ethyl Benzene

Concen: 50.366 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

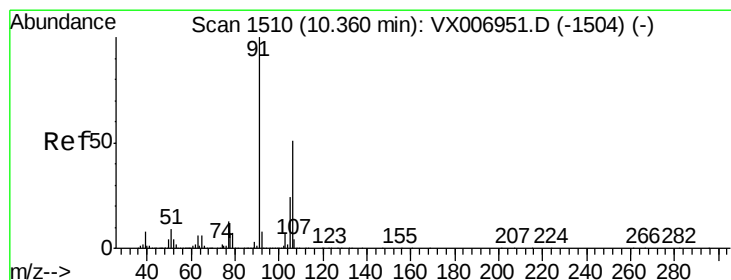
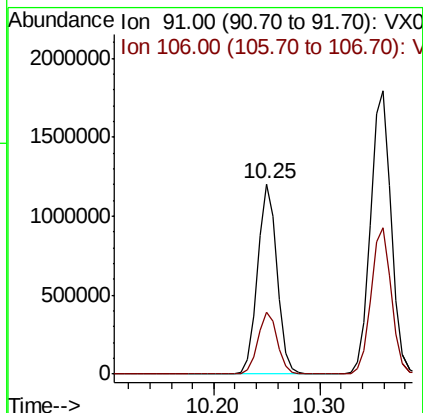
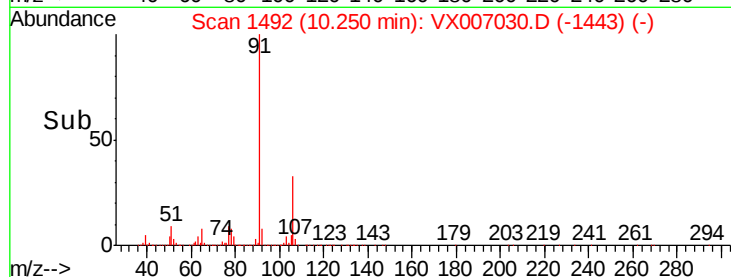
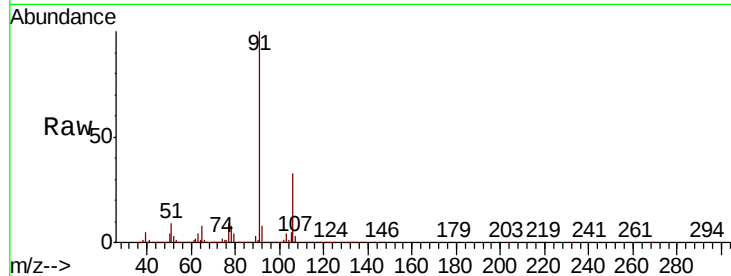
VSTDCCC050

Tgt Ion: 91 Resp: 1545915

Ion Ratio Lower Upper

91 100

106 32.5 26.4 39.6



#68

m/p-Xylenes

Concen: 102.289 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007030.D

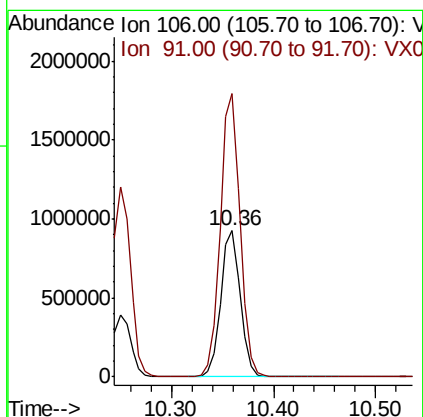
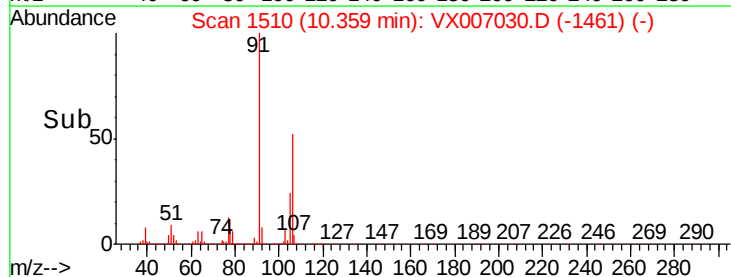
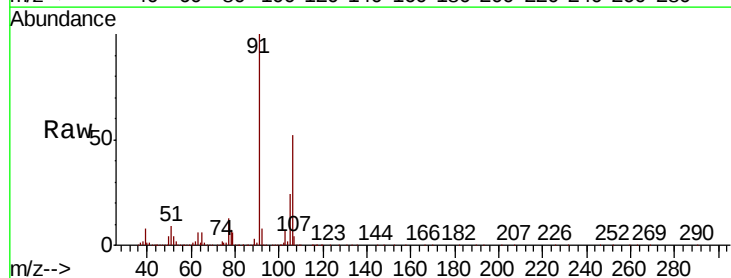
Acq: 14 Jan 2019 10:56

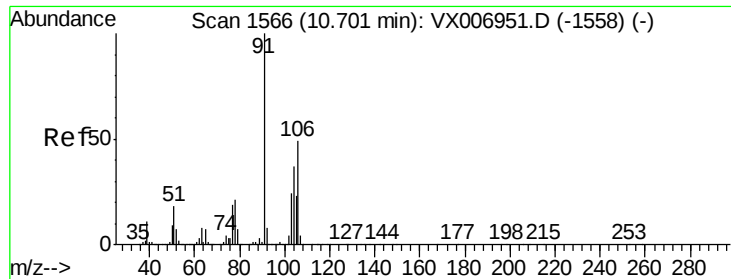
Tgt Ion: 106 Resp: 1236954

Ion Ratio Lower Upper

106 100

91 195.7 155.8 233.6

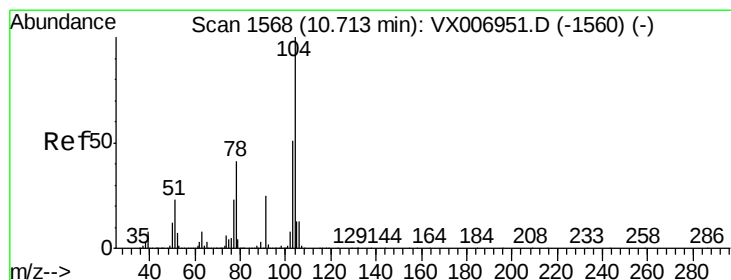
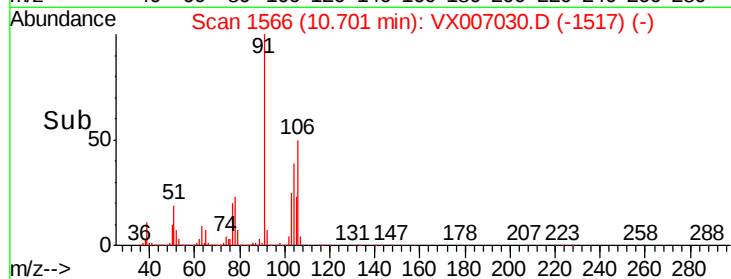
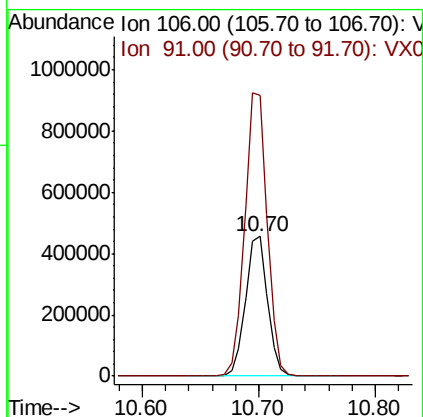
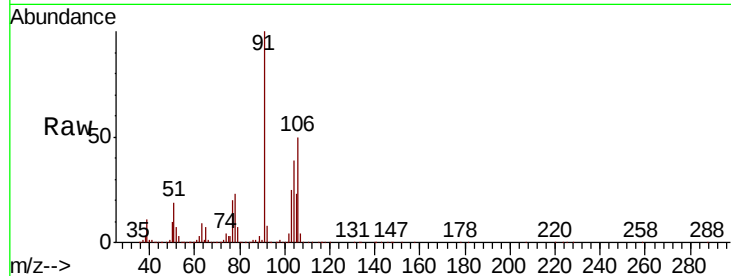




#69
o-Xylene
Concen: 51.408 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

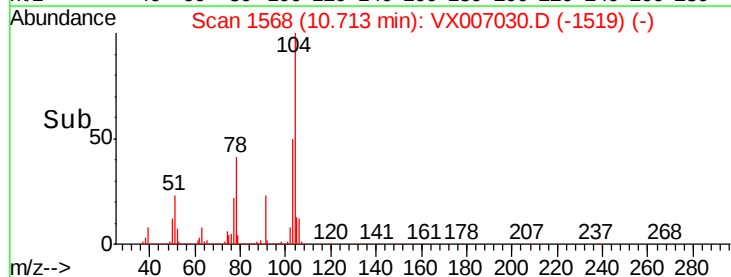
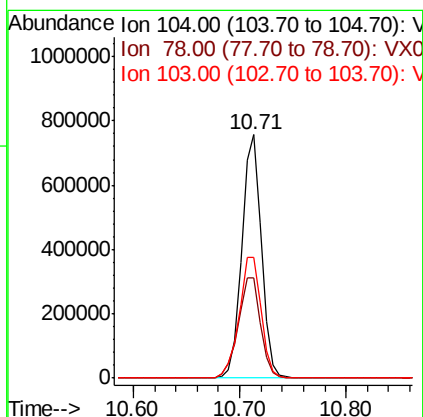
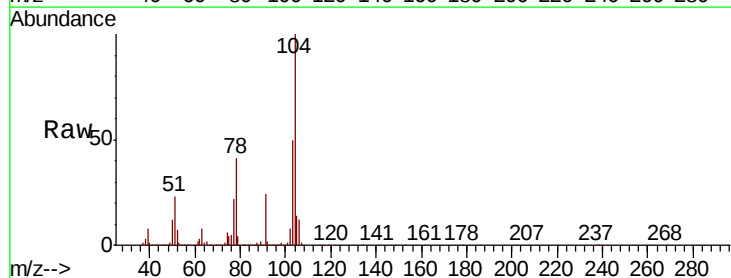
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

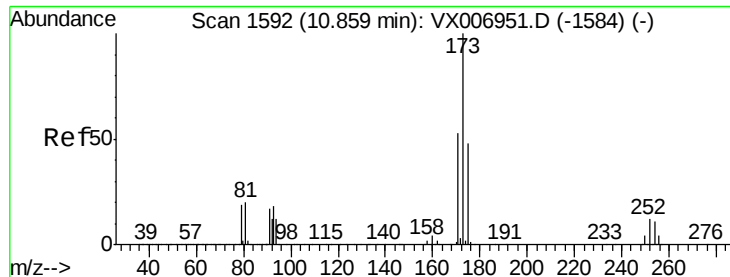
Tgt Ion:106 Resp: 606276
Ion Ratio Lower Upper
106 100
91 205.2 101.3 303.7



#70
Styrene
Concen: 52.332 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion:104 Resp: 977483
Ion Ratio Lower Upper
104 100
78 47.4 37.7 56.5
103 56.2 43.8 65.8





#71

Bromoform

Concen: 48.455 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

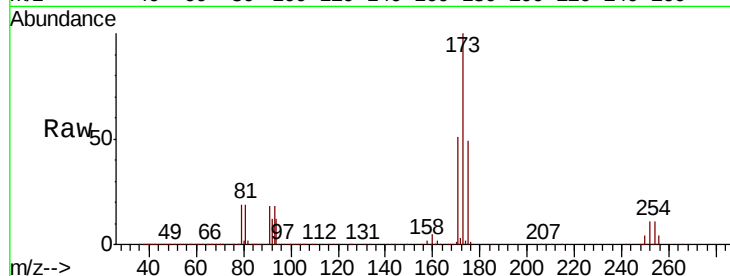
Tgt Ion:173 Resp: 270233

Ion Ratio Lower Upper

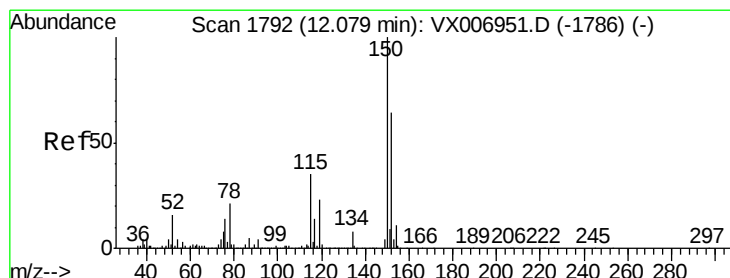
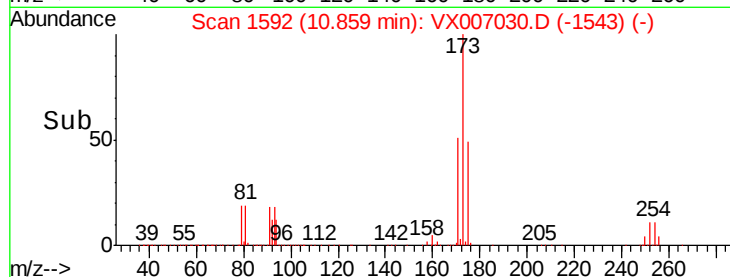
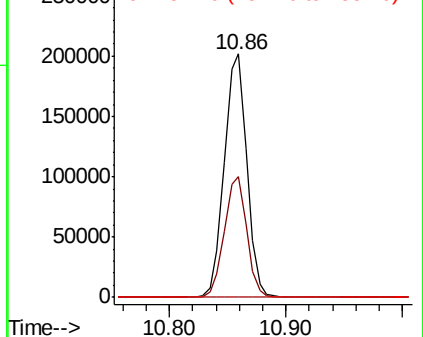
173 100

175 49.1 24.7 74.1

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: VX007030.D

Acq: 14 Jan 2019 10:56

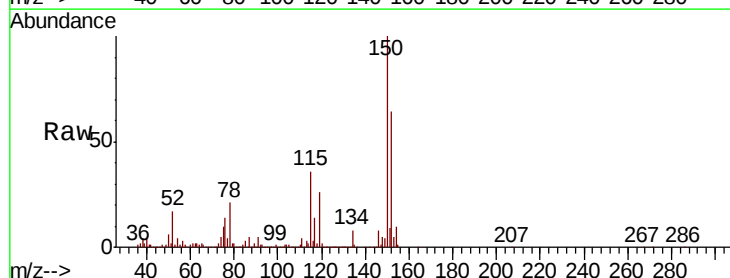
Tgt Ion:152 Resp: 459365

Ion Ratio Lower Upper

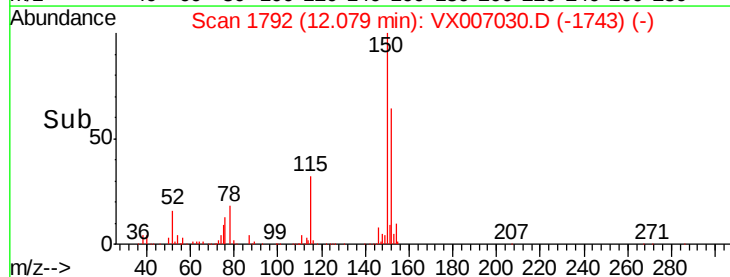
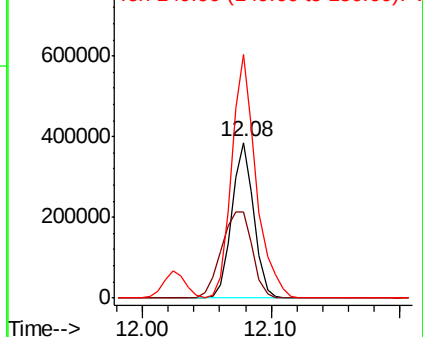
152 100

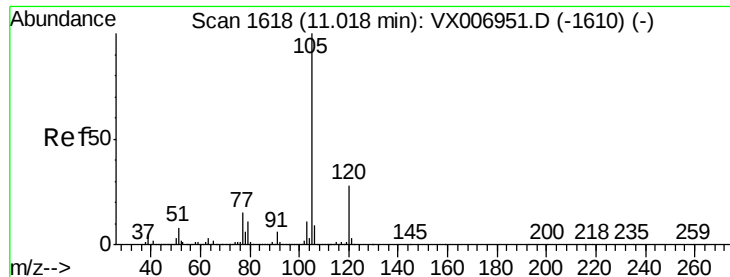
115 78.6 39.1 117.2

150 173.0 0.0 344.8



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: 49.570 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

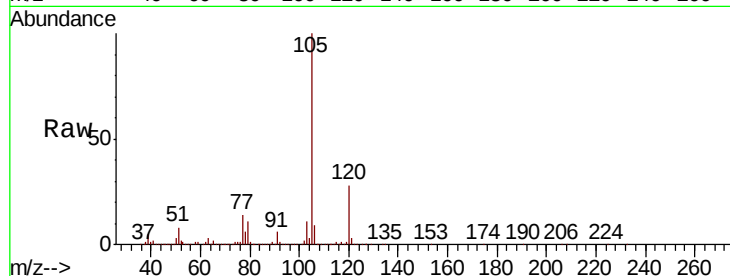
VSTDCCC050

Tgt Ion:105 Resp: 1605647

Ion Ratio Lower Upper

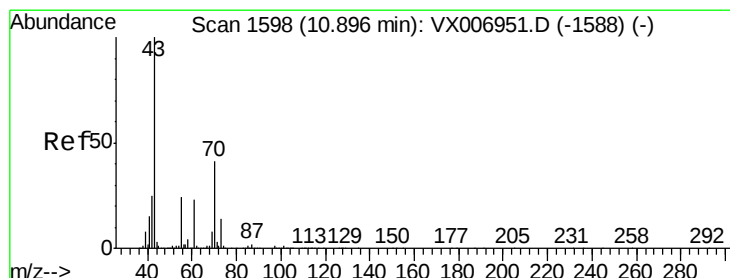
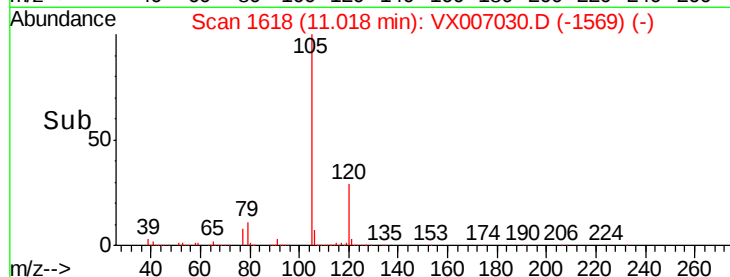
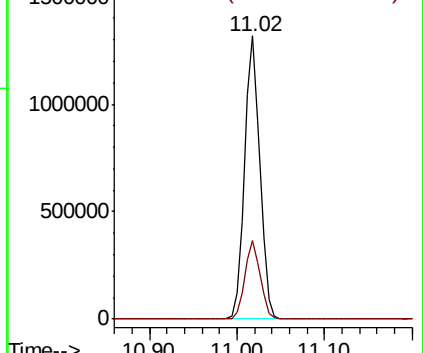
105 100

120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.549 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Tgt Ion: 43 Resp: 633161

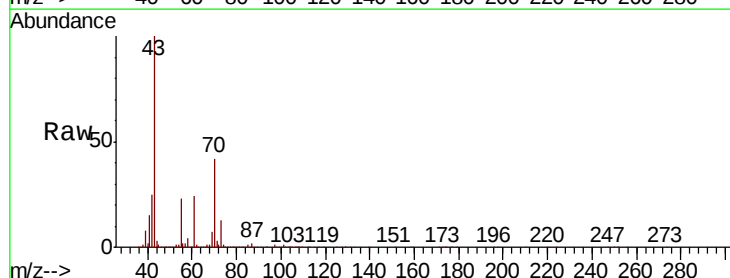
Ion Ratio Lower Upper

43 100

70 42.5 35.8 53.8

55 23.5 19.4 29.0

61 24.2 20.1 30.1

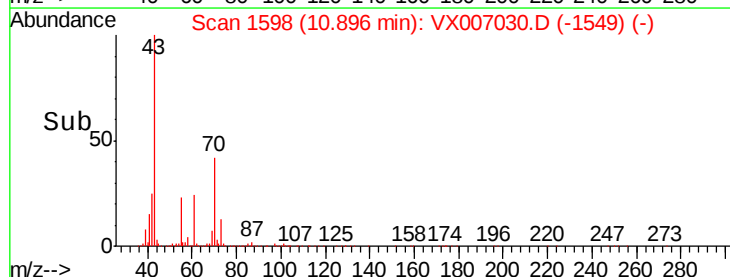
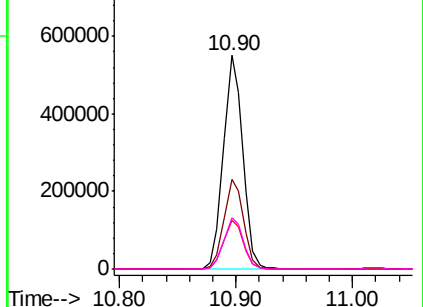


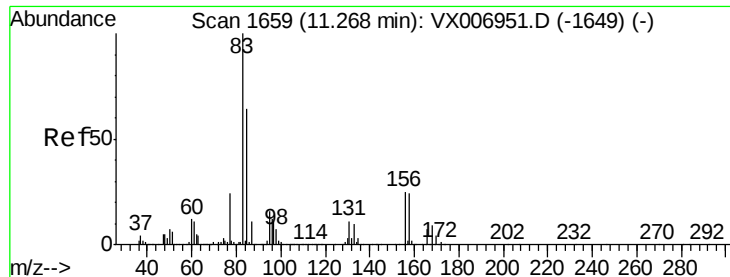
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.723 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

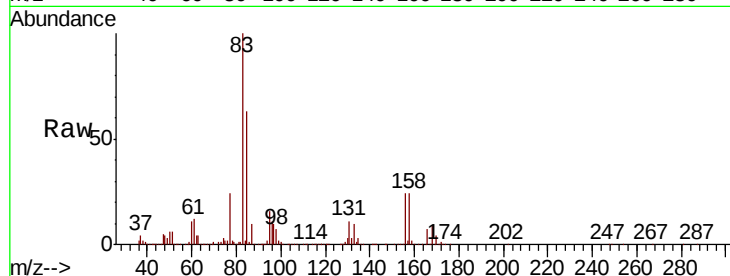
Tgt Ion: 83 Resp: 480465

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

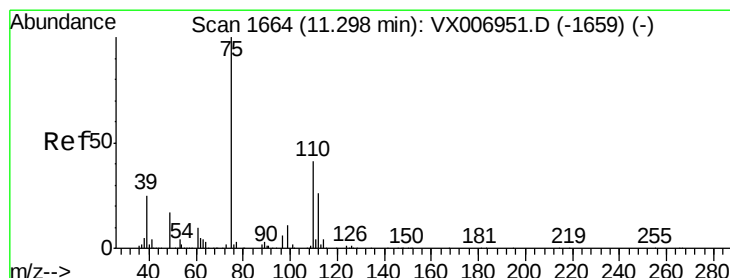
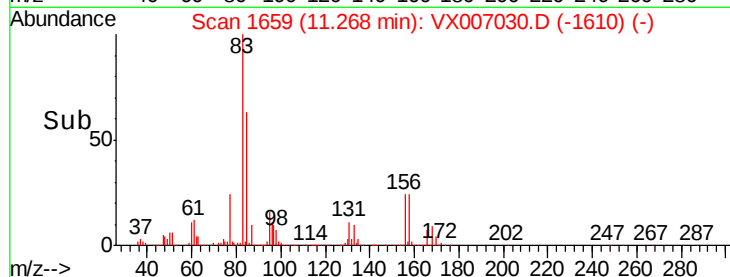
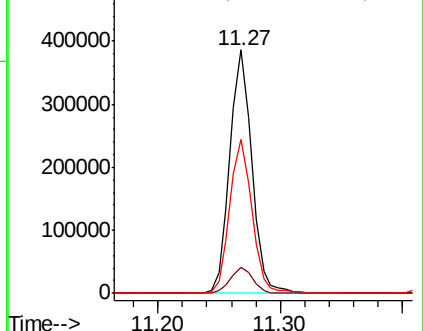
85 63.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.646 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007030.D

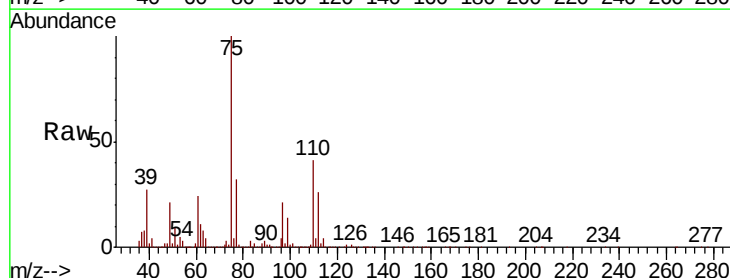
Acq: 14 Jan 2019 10:56

Tgt Ion: 75 Resp: 555237

Ion Ratio Lower Upper

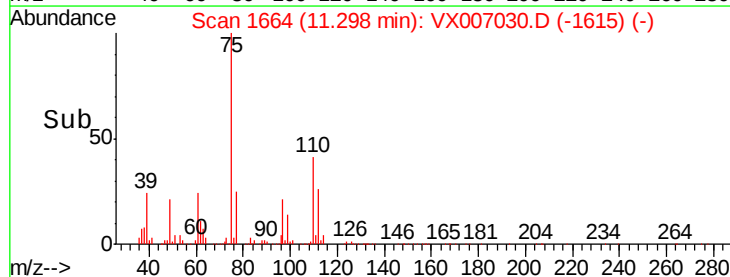
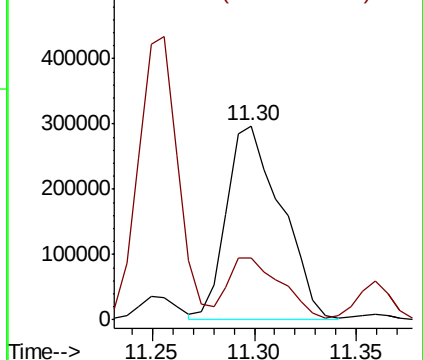
75 100

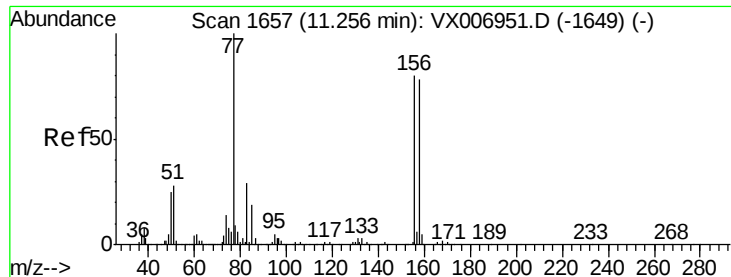
77 30.8 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.573 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

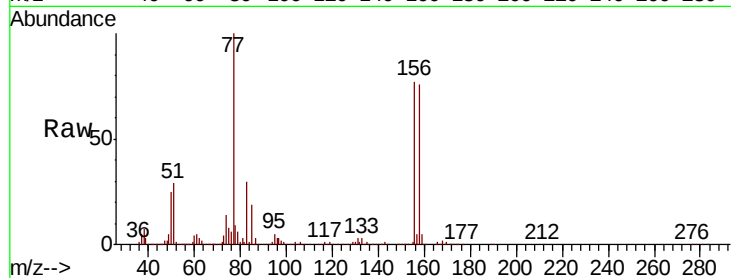
Tgt Ion:156 Resp: 433521

Ion Ratio Lower Upper

156 100

77 134.9 68.0 204.0

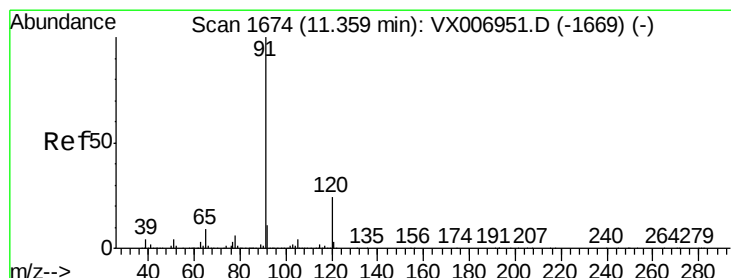
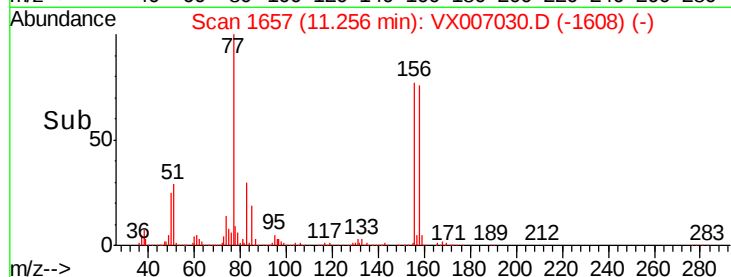
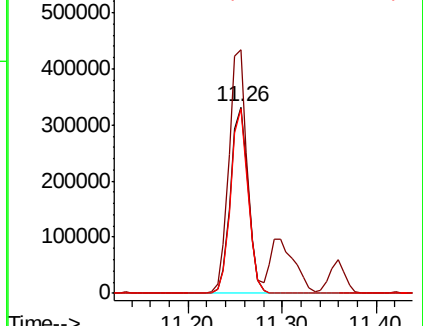
158 97.5 48.3 144.8



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: 51.634 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007030.D

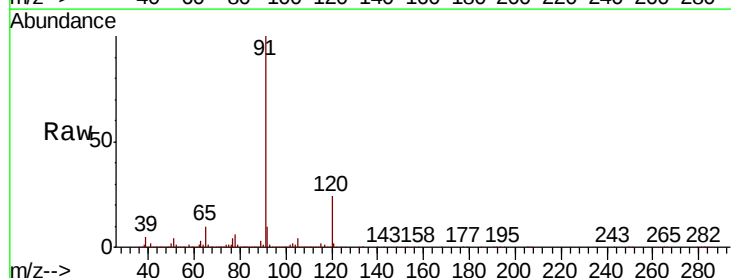
Acq: 14 Jan 2019 10:56

Tgt Ion: 91 Resp: 1836048

Ion Ratio Lower Upper

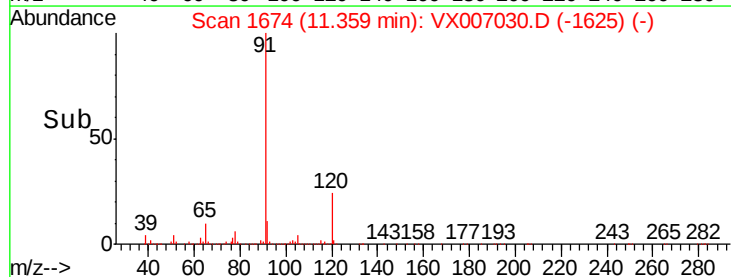
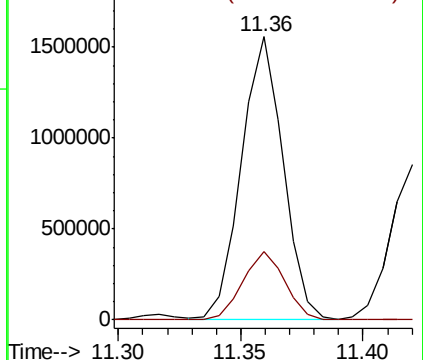
91 100

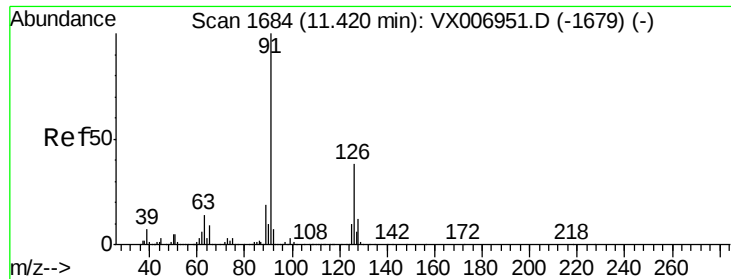
120 24.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.029 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

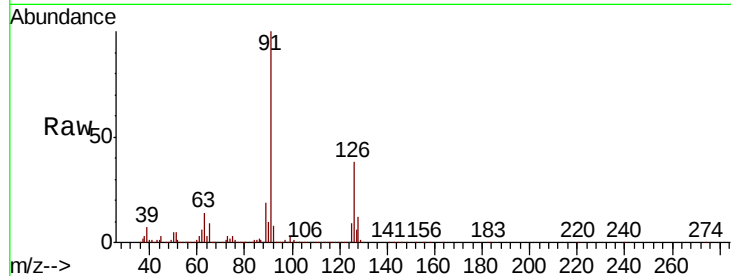
VSTDCCC050

Tgt Ion: 91 Resp: 1049473

Ion Ratio Lower Upper

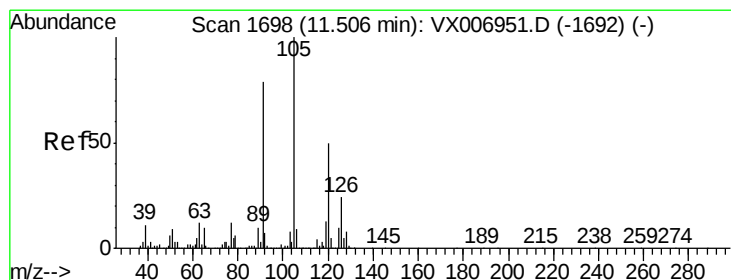
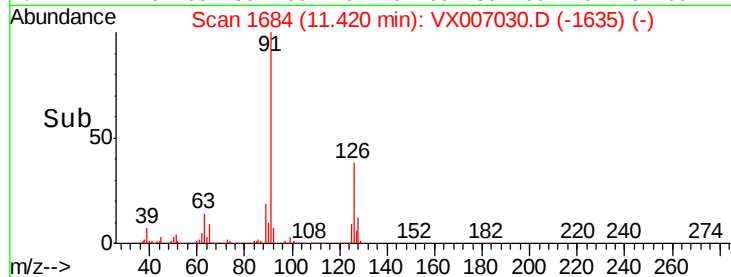
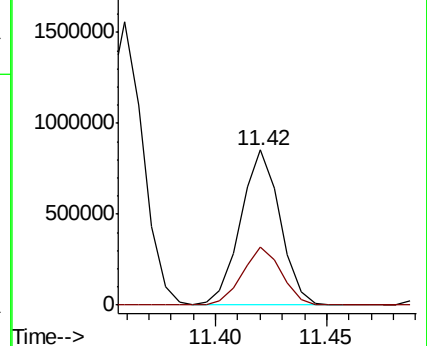
91 100

126 37.5 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.489 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007030.D

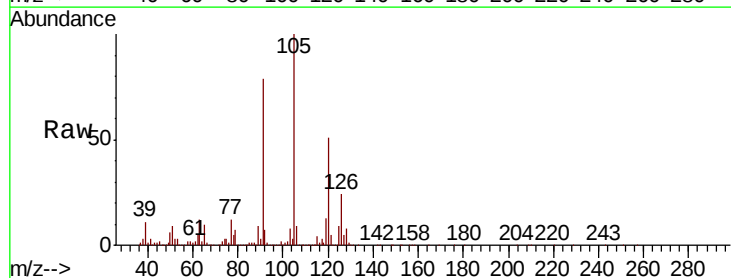
Acq: 14 Jan 2019 10:56

Tgt Ion:105 Resp: 1339443

Ion Ratio Lower Upper

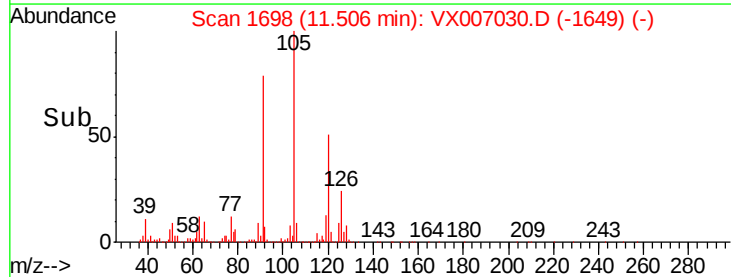
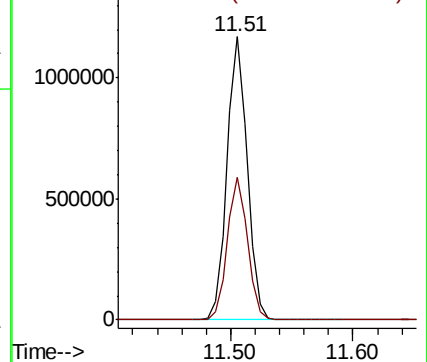
105 100

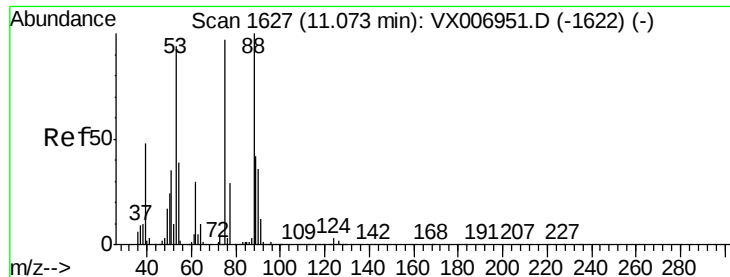
120 50.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.704 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

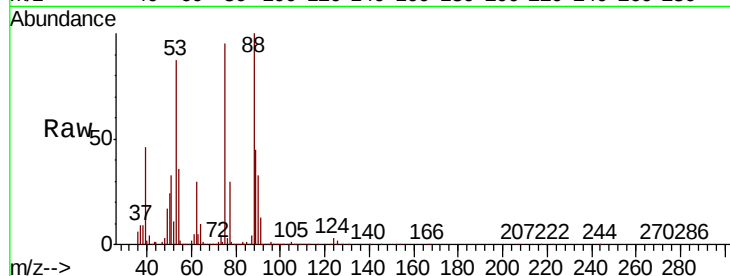
Tgt Ion: 75 Resp: 149906

Ion Ratio Lower Upper

75 100

53 94.3 79.7 119.5

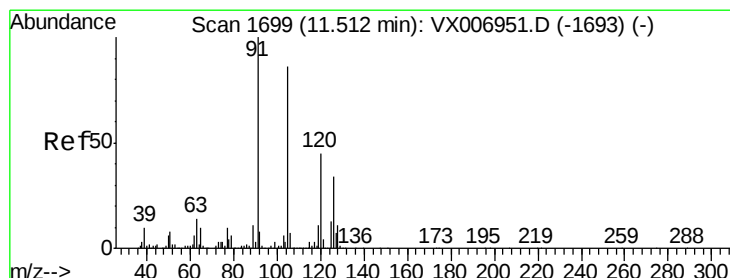
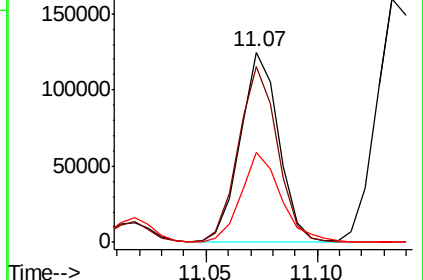
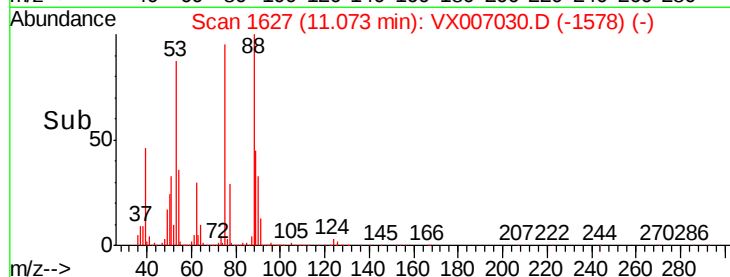
89 49.6 38.0 57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.166 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007030.D

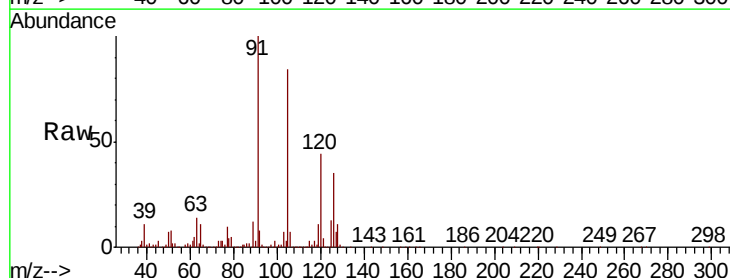
Acq: 14 Jan 2019 10:56

Tgt Ion: 91 Resp: 1243311

Ion Ratio Lower Upper

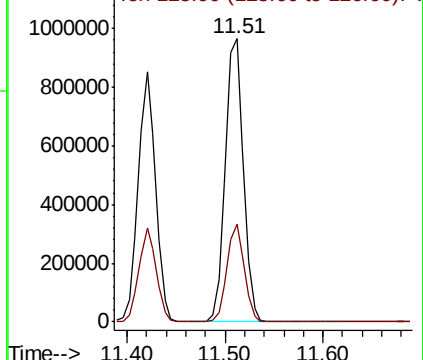
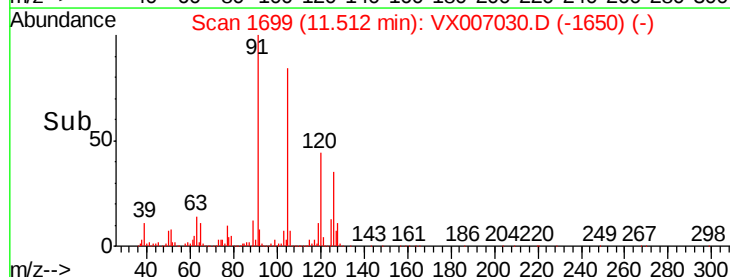
91 100

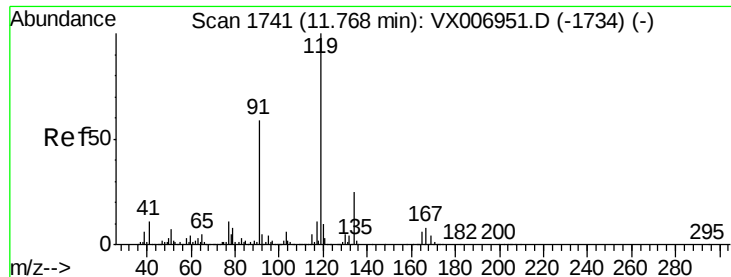
126 32.9 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.666 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

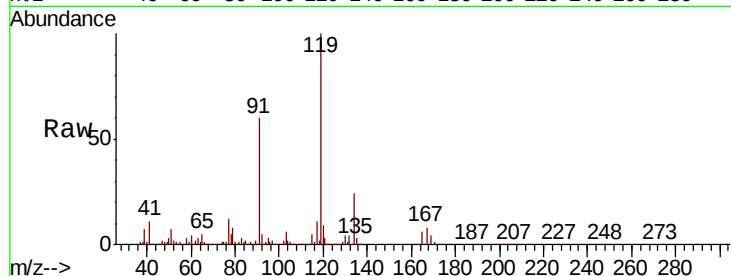
Tgt Ion:119 Resp: 1368182

Ion Ratio Lower Upper

119 100

91 54.4 27.7 83.1

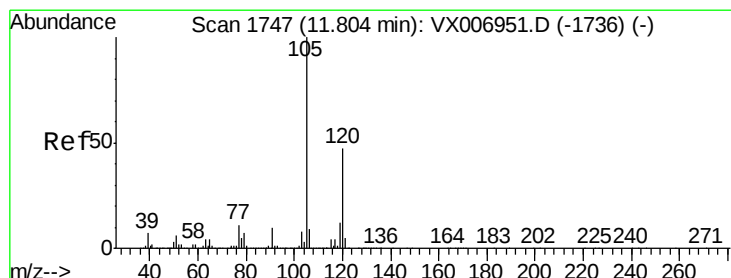
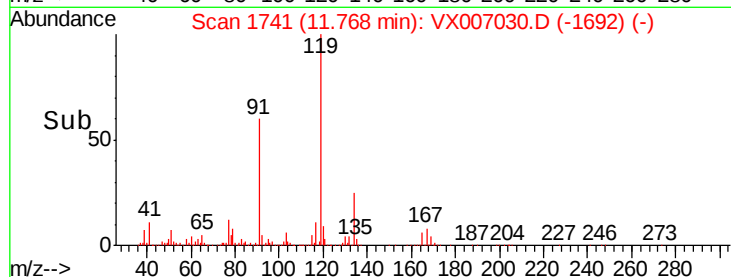
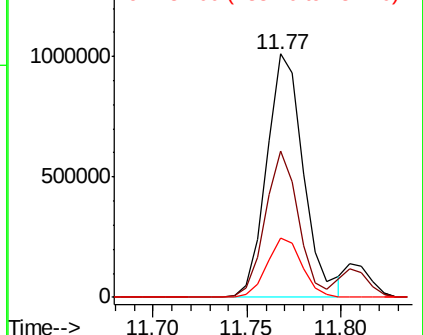
134 23.1 11.9 35.5



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: 50.358 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007030.D

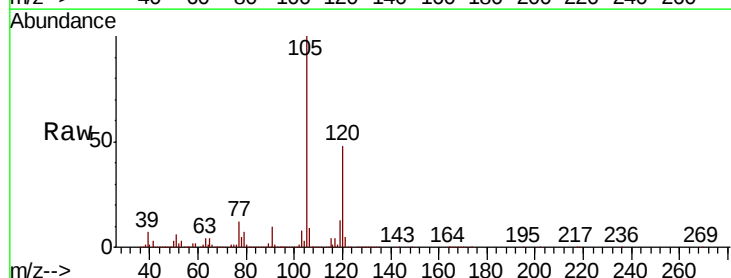
Acq: 14 Jan 2019 10:56

Tgt Ion:105 Resp: 1370597

Ion Ratio Lower Upper

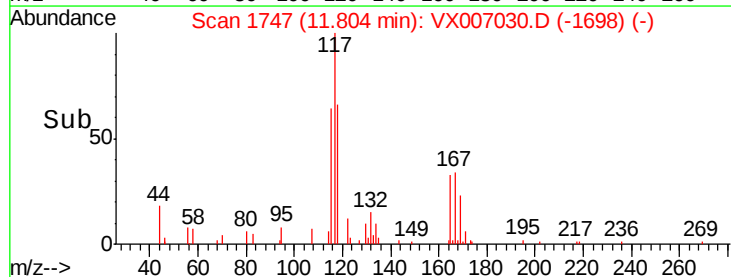
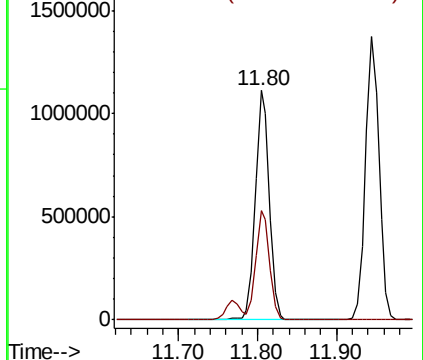
105 100

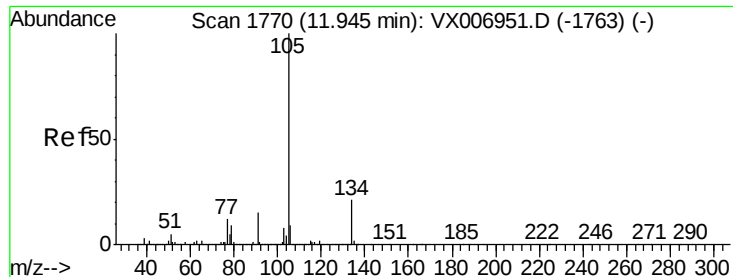
120 46.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

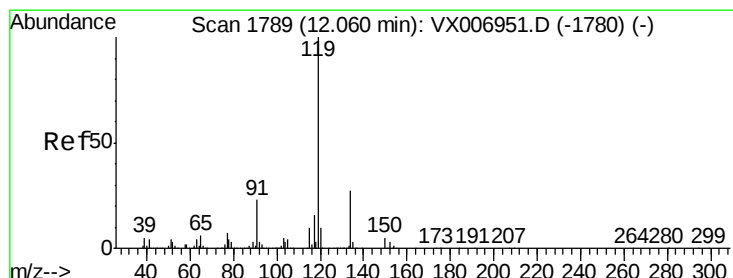
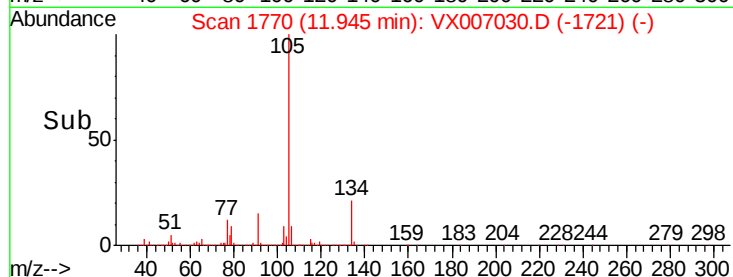
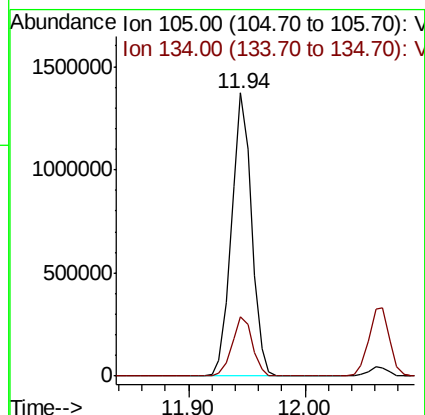
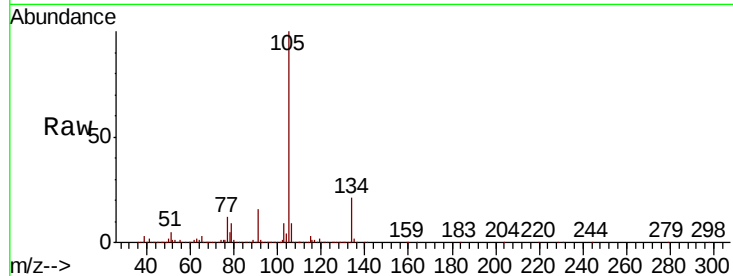




#85
 sec-Butylbenzene
 Concen: 50.825 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

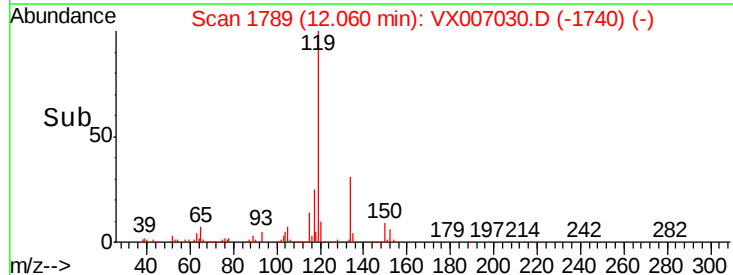
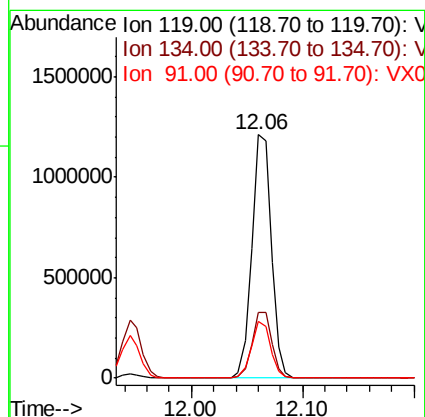
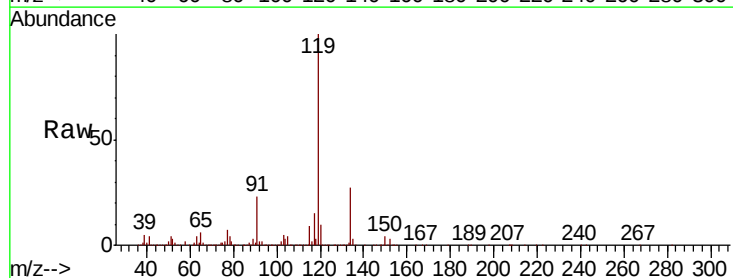
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

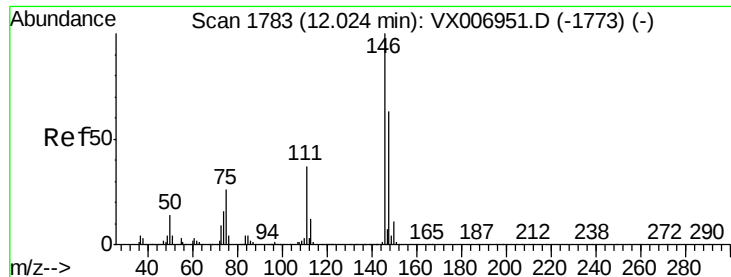
Tgt Ion:105 Resp: 1639130
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 51.139 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Tgt Ion:119 Resp: 1475201
 Ion Ratio Lower Upper
 119 100
 134 27.5 14.0 41.9
 91 22.7 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 48.993 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

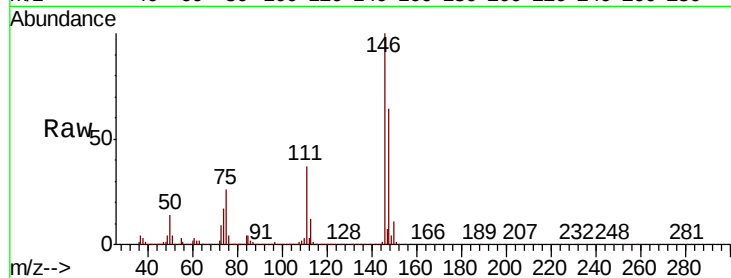
Tgt Ion:146 Resp: 790353

Ion Ratio Lower Upper

146 100

111 36.7 18.6 55.8

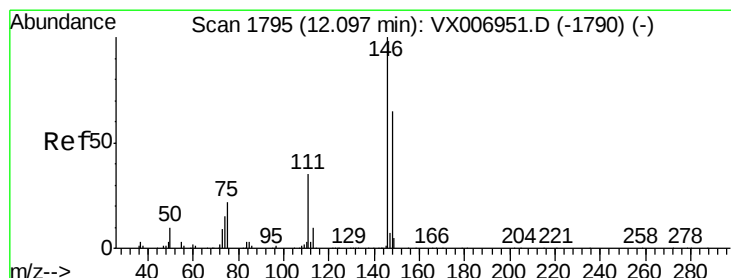
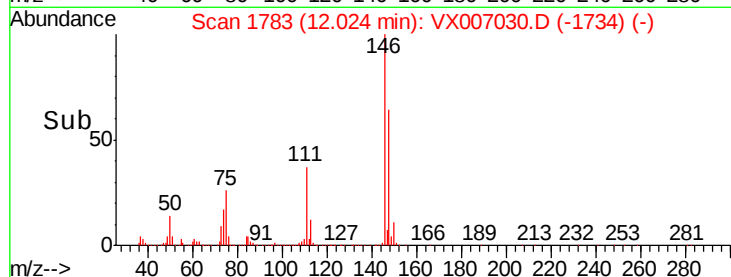
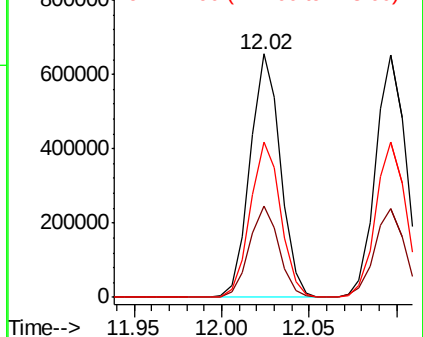
148 64.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.342 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

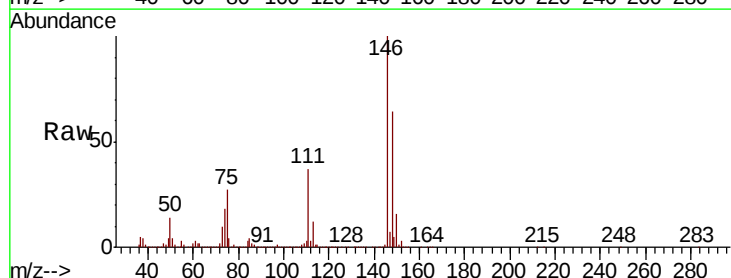
Tgt Ion:146 Resp: 784810

Ion Ratio Lower Upper

146 100

111 36.7 18.1 54.1

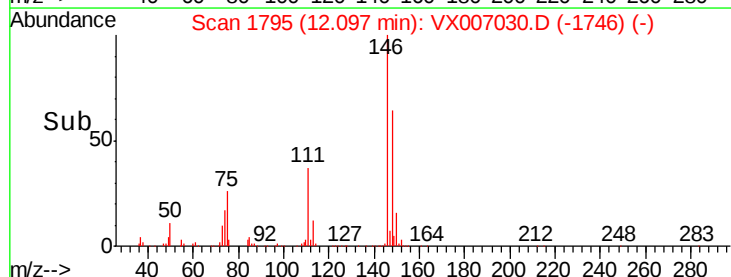
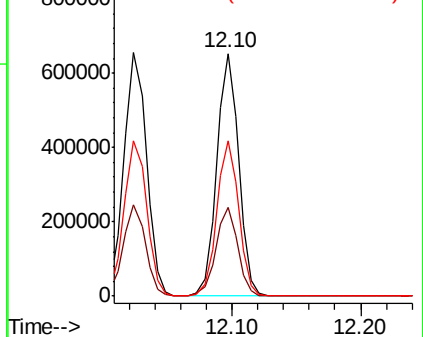
148 63.9 31.9 95.9

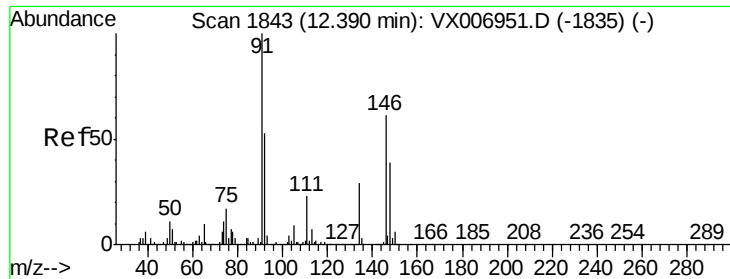


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

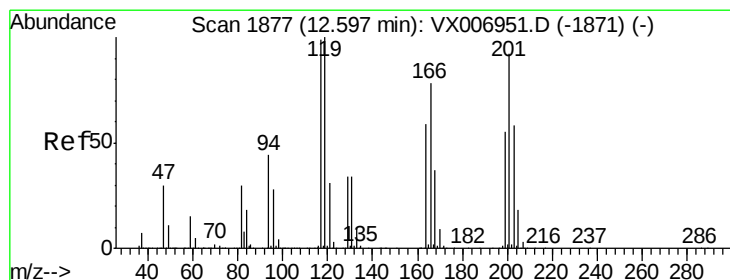
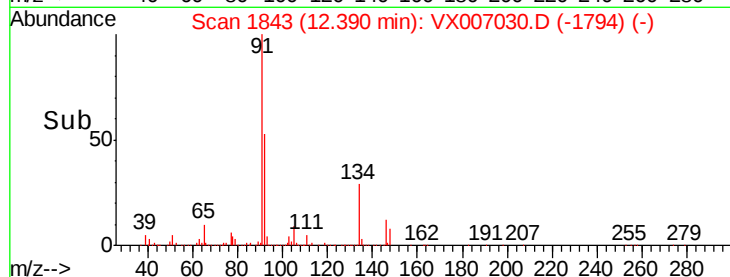
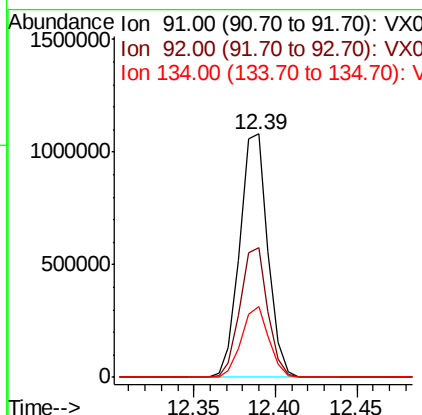
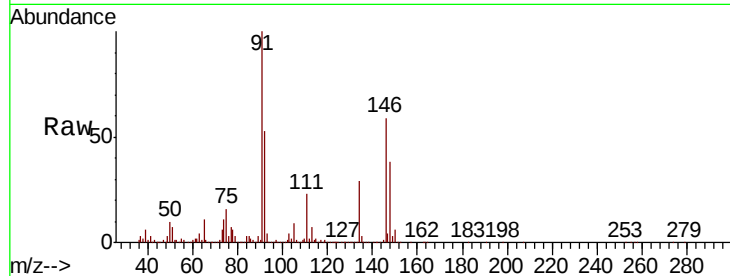




#89
n-Butylbenzene
Concen: 52.850 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

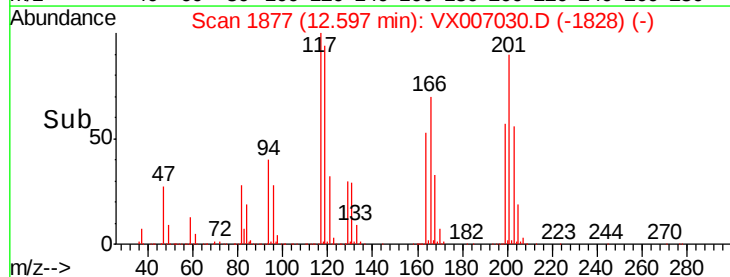
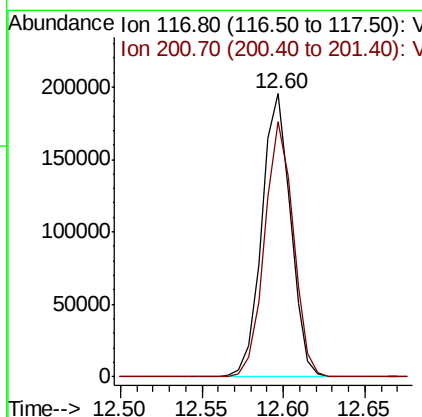
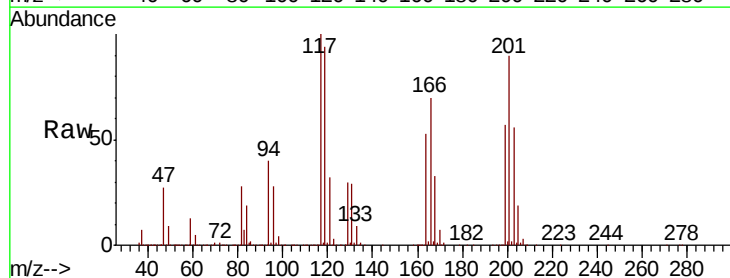
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

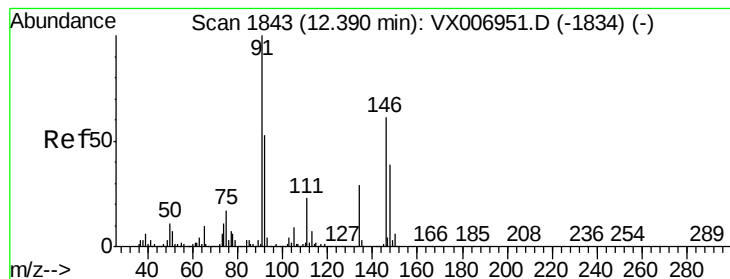
Tgt Ion: 91 Resp: 1299641
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.4
134 28.2 14.4 43.2



#90
Hexachloroethane
Concen: 52.028 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion: 117 Resp: 240178
Ion Ratio Lower Upper
117 100
201 89.6 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 48.632 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

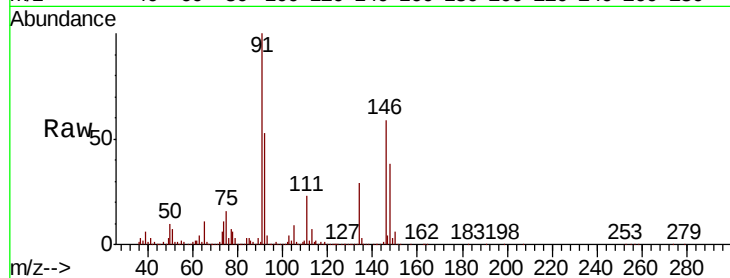
Tgt Ion:146 Resp: 774225

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.2

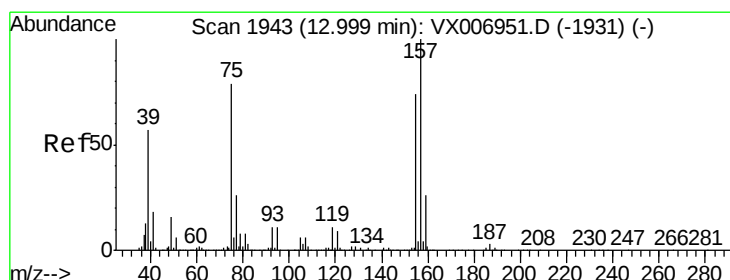
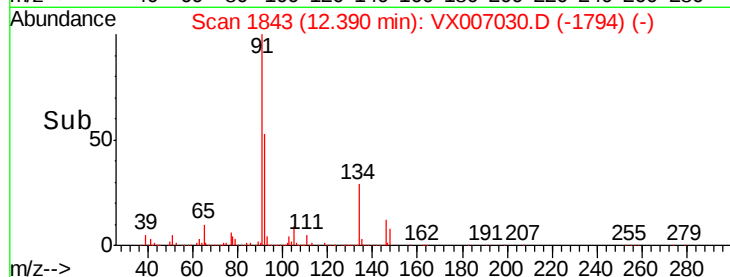
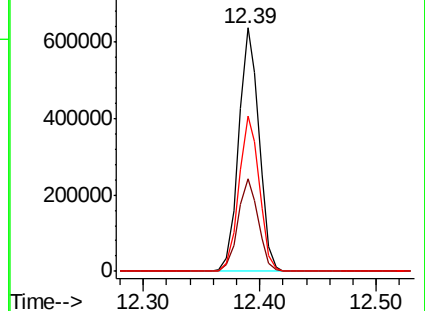
148 64.2 32.3 96.9



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: 51.638 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007030.D

Acq: 14 Jan 2019 10:56

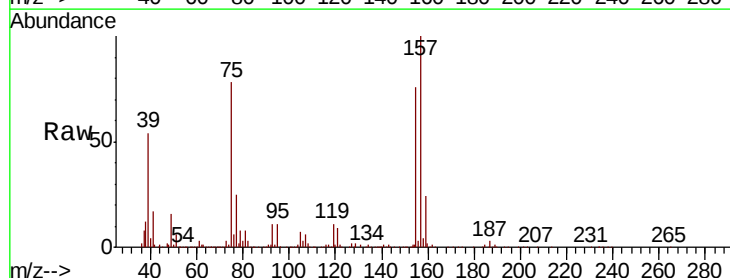
Tgt Ion: 75 Resp: 105020

Ion Ratio Lower Upper

75 100

155 97.0 50.6 151.8

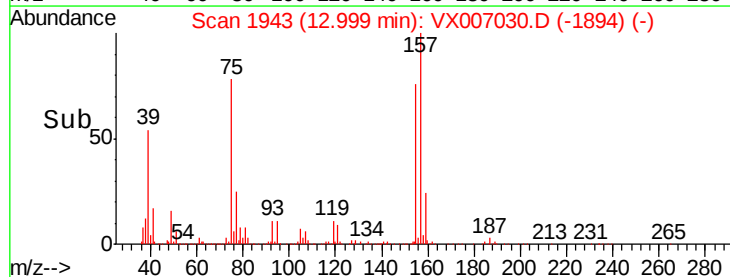
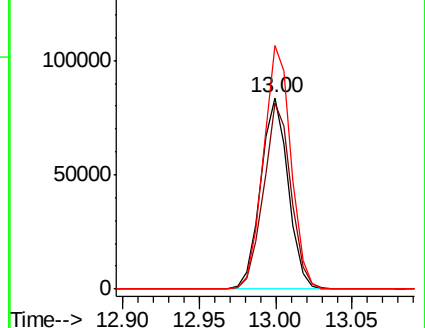
157 127.7 64.6 193.8

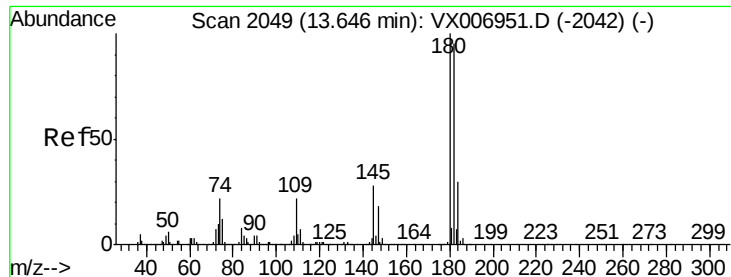


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

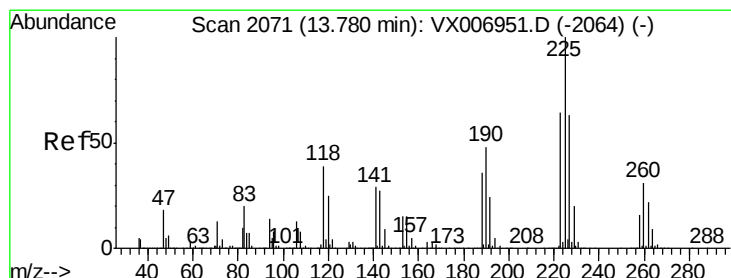
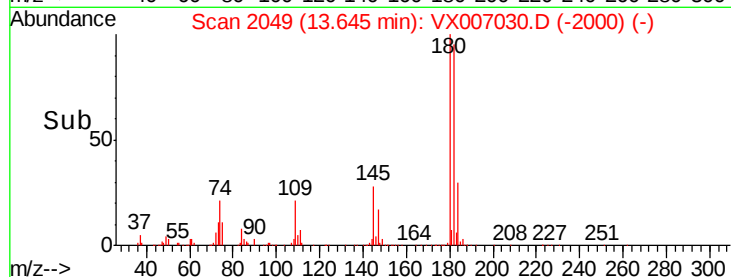
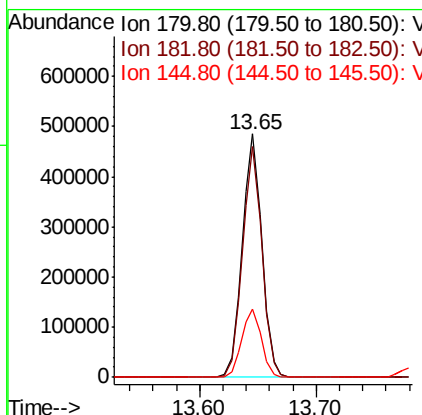
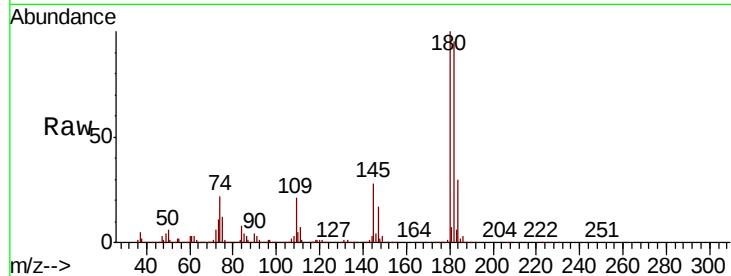




#93
 1,2,4-Trichlorobenzene
 Concen: 52.037 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

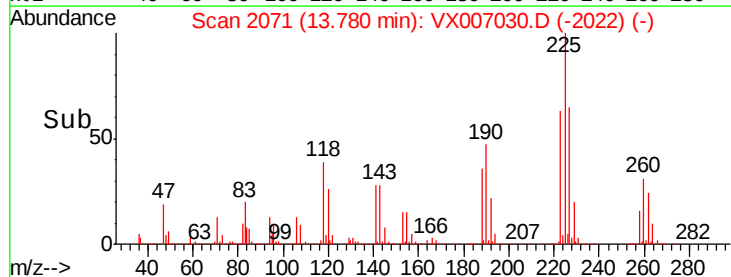
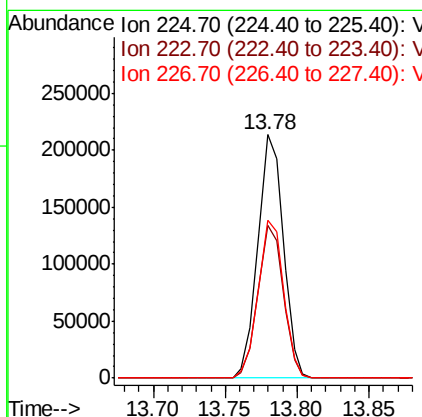
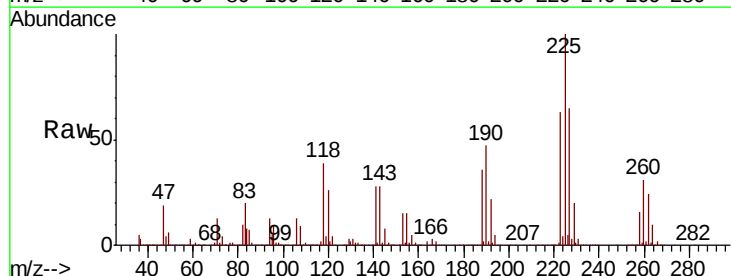
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

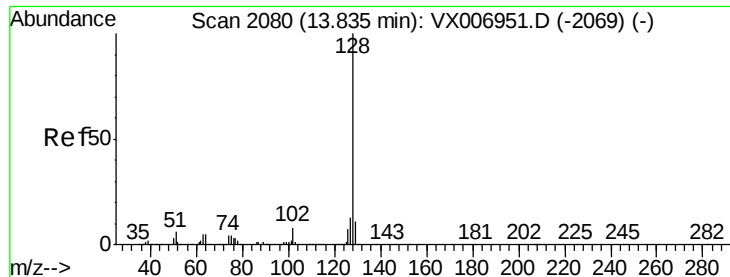
Tgt Ion:180 Resp: 568362
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.3 142.0
 145 28.3 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 53.667 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007030.D
 Acq: 14 Jan 2019 10:56

Tgt Ion:225 Resp: 260118
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.1 96.3
 227 64.8 32.3 96.8

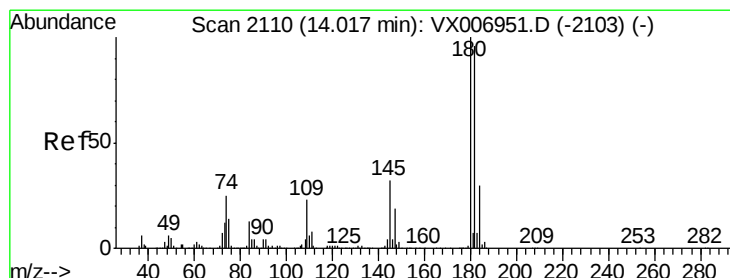
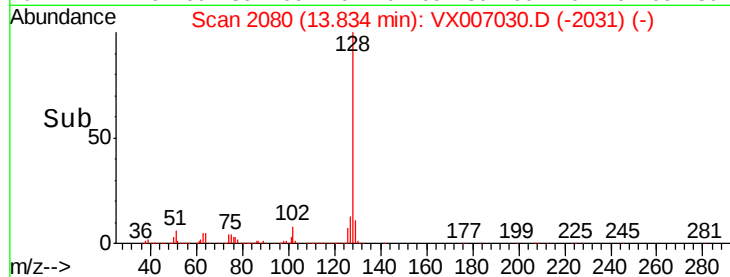
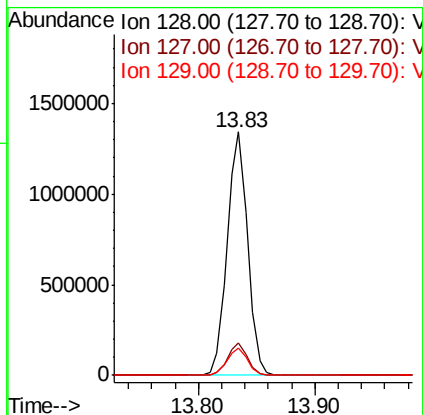
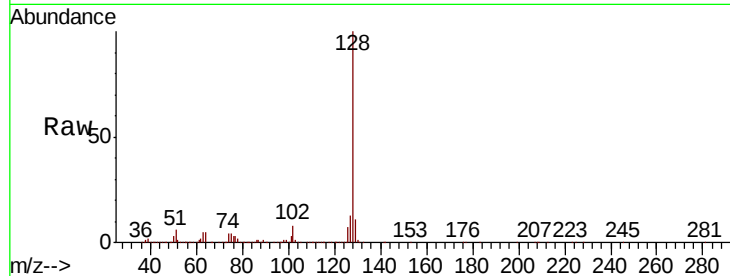




#95
Naphthalene
Concen: 49.042 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1623141
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.676 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007030.D
Acq: 14 Jan 2019 10:56

Tgt Ion:180 Resp: 549833
Ion Ratio Lower Upper
180 100
182 95.8 48.5 145.5
145 30.4 16.0 47.9

