

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010216.D
 Acq On : 11 Jun 2019 07:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 11 08:51:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120592	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	5.50	113	121082	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	8.71	98	465447	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
62) 4-Bromofluorobenzene	11.13	95	168577	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113972	52.086	ug/l	98
3) Chloromethane	1.32	50	108795	50.065	ug/l	100
4) Vinyl Chloride	1.41	62	117955	57.753	ug/l	100
5) Bromomethane	1.64	94	45684	59.275	ug/l	97
6) Chloroethane	1.71	64	66336	64.420	ug/l	98
7) Trichlorofluoromethane	1.92	101	178108	58.707	ug/l	98
8) Diethyl Ether	2.19	74	62206	59.490	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99141	47.407	ug/l	91
10) Methyl Iodide	2.51	142	166241	51.306	ug/l	98
11) Tert butyl alcohol	3.05	59	138737	243.979	ug/l	99
12) 1,1-Dichloroethene	2.37	96	106169	49.704	ug/l #	77
13) Acrolein	2.29	56	36110	348.261	ug/l	99
14) Allyl chloride	2.73	41	144514	44.821	ug/l #	88
15) Acrylonitrile	3.14	53	299154	257.382	ug/l	98
16) Acetone	2.45	43	234633	214.908	ug/l #	86
17) Carbon Disulfide	2.57	76	279264	45.248	ug/l	99
18) Methyl Acetate	2.78	43	123051	51.249	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	338619	49.345	ug/l	94
20) Methylene Chloride	2.85	84	117867	49.158	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	112681	47.669	ug/l #	77
22) Diisopropyl ether	3.85	45	314941	51.089	ug/l #	89
23) Vinyl Acetate	3.81	43	1355413	246.463	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	183898	49.133	ug/l	94
25) 2-Butanone	4.67	43	403958	248.473	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	93586	27.408	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	131760	50.105	ug/l	74
28) Bromochloromethane	5.01	49	82047	48.912	ug/l #	46
29) Tetrahydrofuran	5.12	42	261828	256.262	ug/l #	75
30) Chloroform	5.21	83	196396	50.525	ug/l	100
31) Cyclohexane	5.58	56	166562	49.308	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	177171	48.483	ug/l #	94
36) 1,1-Dichloropropene	5.80	75	141522	47.477	ug/l	91
37) Ethyl Acetate	4.83	43	152767	49.256	ug/l #	91
38) Carbon Tetrachloride	5.79	117	159367	47.235	ug/l	98

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 ClientSampleID :
 VSTDCCC050EC

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181988	44.836	ug/l #	83
40) Benzene	6.14	78	461220	50.038	ug/l	100
41) Methacrylonitrile	5.04	41	81906	48.821	ug/l #	82
42) 1,2-Dichloroethane	6.19	62	140243	47.659	ug/l	93
43) Isopropyl Acetate	6.45	43	254101	49.001	ug/l #	88
44) Trichloroethene	7.21	130	137610	49.529	ug/l	87
45) 1,2-Dichloropropane	7.51	63	115481	50.056	ug/l	99
46) Dibromomethane	7.66	93	82498	47.732	ug/l	90
47) Bromodichloromethane	7.90	83	156835	48.562	ug/l #	98
48) Methyl methacrylate	7.77	41	120980	49.885	ug/l #	77
49) 1,4-Dioxane	7.74	88	67856	981.366	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	810039	261.481	ug/l	90
52) Toluene	8.78	92	304128	50.195	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	164481	44.030	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	177647	44.359	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	127648	51.442	ug/l	95
56) Ethyl methacrylate	9.18	69	197716	50.441	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	195468	50.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	456134	246.844	ug/l #	86
59) 2-Hexanone	9.49	43	619966	251.000	ug/l	87
60) Dibromochloromethane	9.58	129	145076	49.428	ug/l	99
61) 1,2-Dibromoethane	9.67	107	136589	49.423	ug/l	99
64) Tetrachloroethene	9.34	164	138519	55.097	ug/l	97
65) Chlorobenzene	10.14	112	342258	48.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	130408	48.539	ug/l	99
67) Ethyl Benzene	10.25	91	578274	48.622	ug/l	93
68) m/p-Xylenes	10.36	106	453856	98.615	ug/l	88
69) o-Xylene	10.69	106	224463	49.064	ug/l	88
70) Styrene	10.71	104	382048	49.307	ug/l	95
71) Bromoform	10.85	173	119546	48.401	ug/l #	98
73) Isopropylbenzene	11.02	105	580522	48.865	ug/l	95
74) N-amyl acetate	10.90	43	231417	49.278	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	199293	49.007	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	215377	63.271	ug/l	83
77) Bromobenzene	11.26	156	161618	49.471	ug/l	81
78) n-propylbenzene	11.36	91	642424	48.573	ug/l	94
79) 2-Chlorotoluene	11.42	91	379347	47.756	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	481399	48.110	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	60481	39.256	ug/l	86
82) 4-Chlorotoluene	11.51	91	435538	48.267	ug/l	92
83) tert-Butylbenzene	11.77	119	480071	47.402	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	488454	48.328	ug/l	95
85) sec-Butylbenzene	11.94	105	567923	48.133	ug/l	96
86) p-Isopropyltoluene	12.06	119	521198	48.319	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	281581	48.933	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	277806	47.890	ug/l	97
89) n-Butylbenzene	12.38	91	437321	47.100	ug/l	98
90) Hexachloroethane	12.60	117	98890	46.023	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	272811	48.765	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42382	44.288	ug/l	64

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

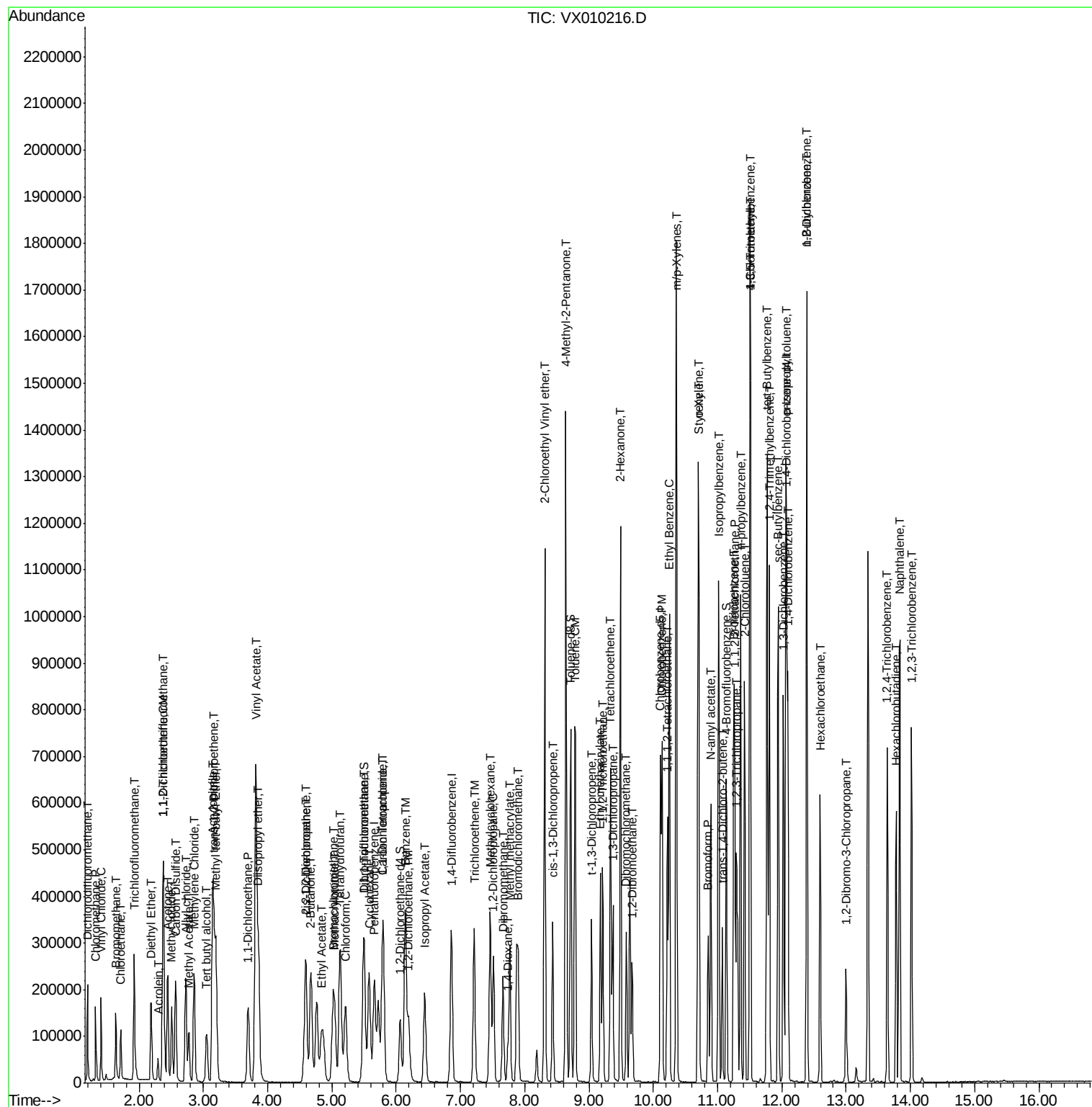
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	191595	46.787	ug/l	99
94) Hexachlorobutadiene	13.78	225	87114	47.833	ug/l	100
95) Naphthalene	13.83	128	626281	48.583	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	194387	48.009	ug/l	99

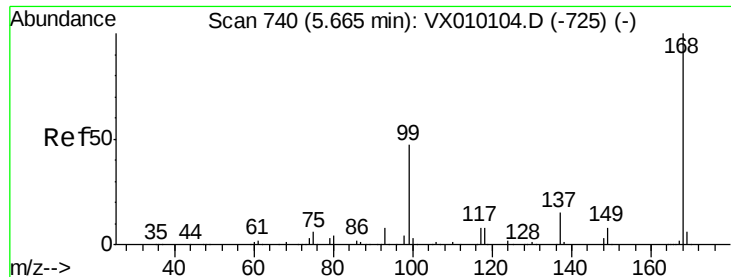
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 08:51:53 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

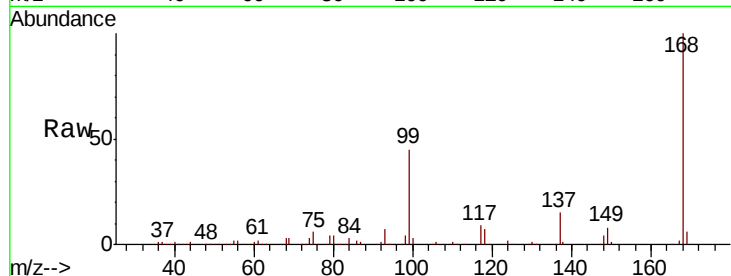
VSTDCCC050EC

Tot Ion:168 Resp: 237806

Ion Ratio Lower Upper

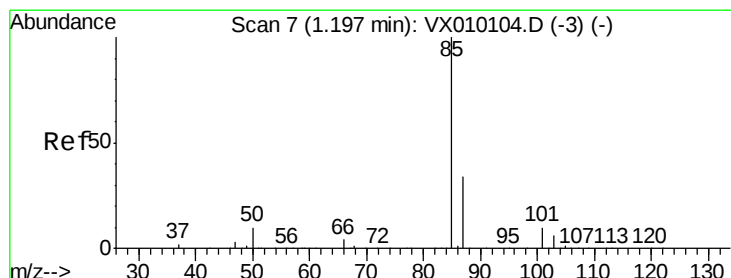
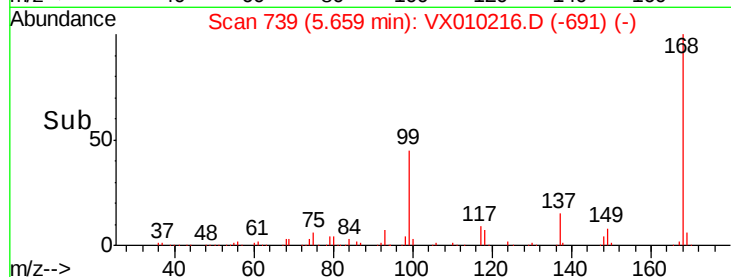
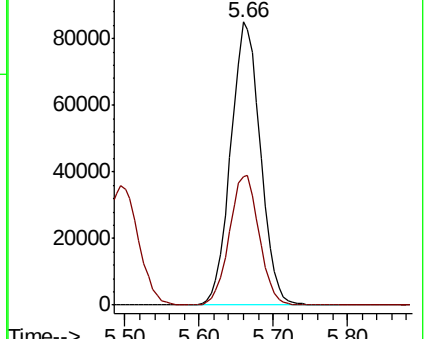
168 100

99 45.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 52.086 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010216.D

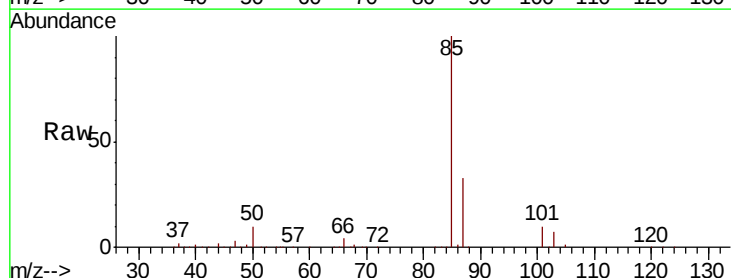
Acq: 11 Jun 2019 07:20

Tgt Ion: 85 Resp: 113972

Ion Ratio Lower Upper

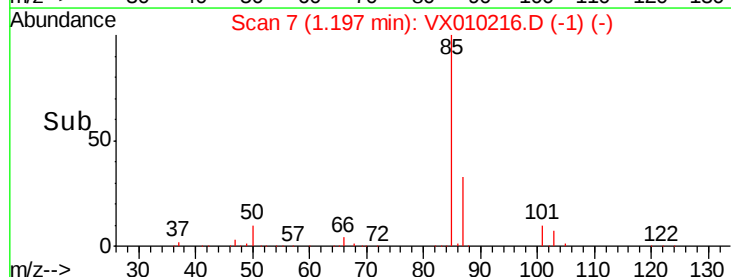
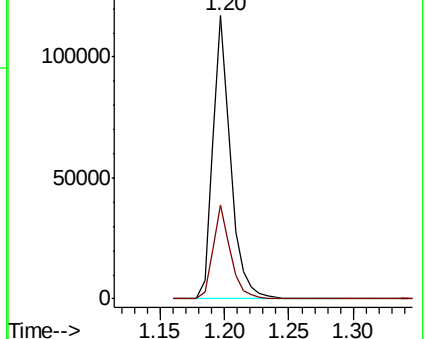
85 100

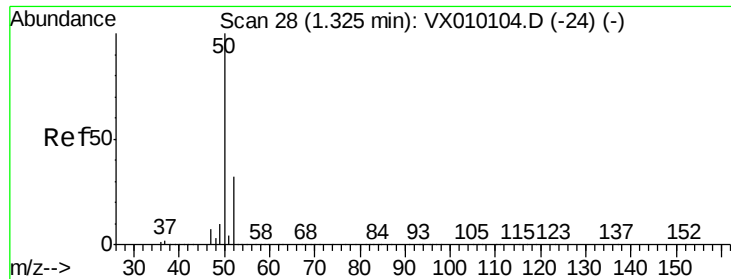
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.065 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

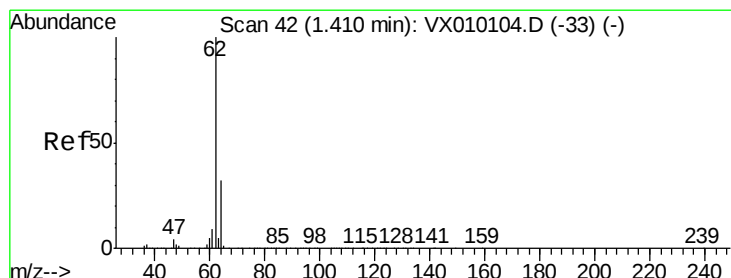
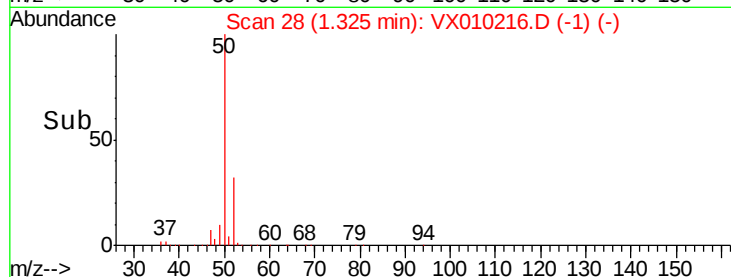
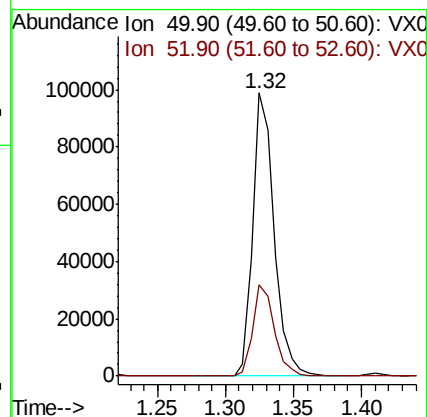
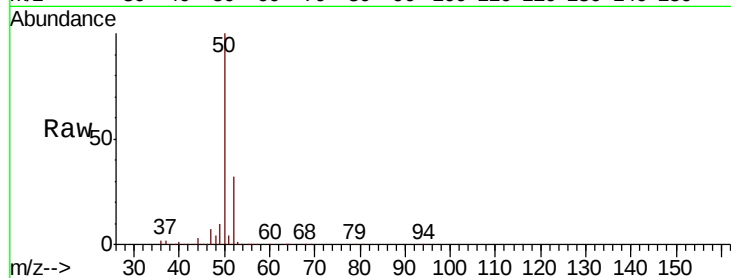
VSTDCCC050EC

Tot Ion: 50 Resp: 108795

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 57.753 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010216.D

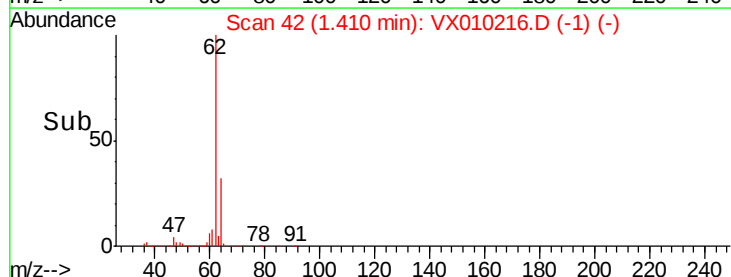
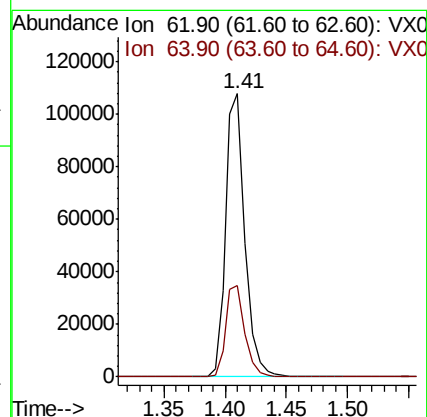
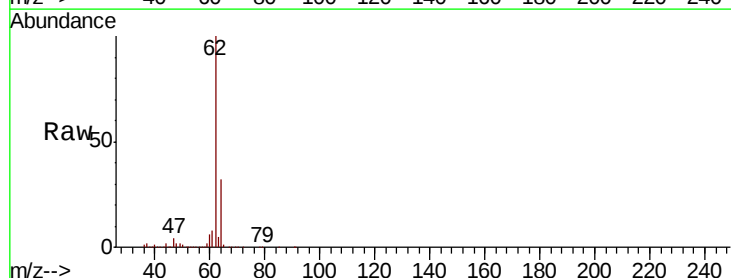
Acq: 11 Jun 2019 07:20

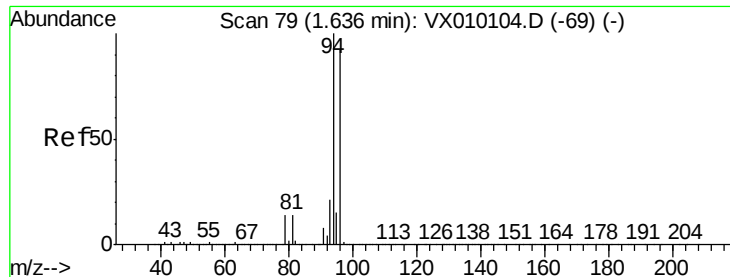
Tgt Ion: 62 Resp: 117955

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 59.275 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

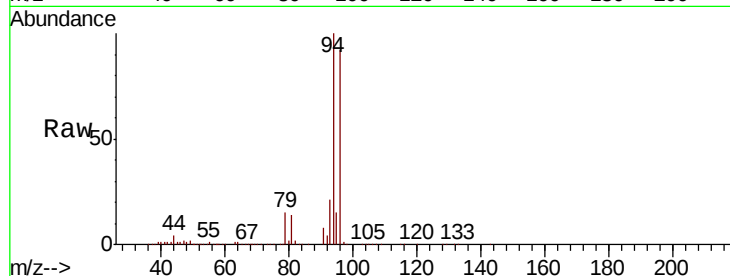
VSTDCCC050EC

Tot Ion: 94 Resp: 45684

Ion Ratio Lower Upper

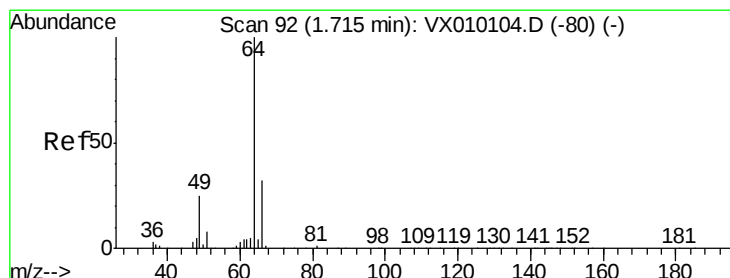
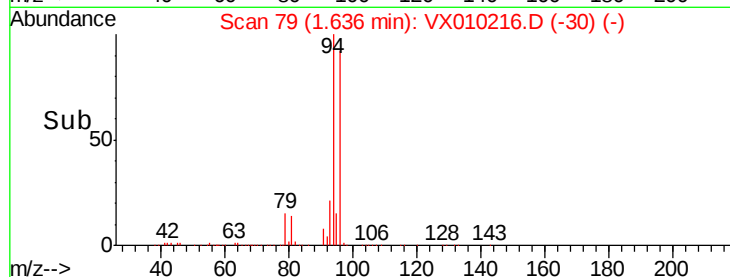
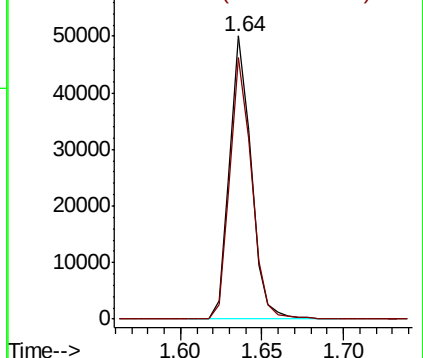
94 100

96 92.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 64.420 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010216.D

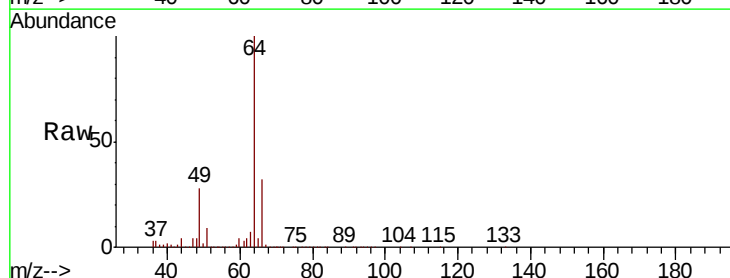
Acq: 11 Jun 2019 07:20

Tgt Ion: 64 Resp: 66336

Ion Ratio Lower Upper

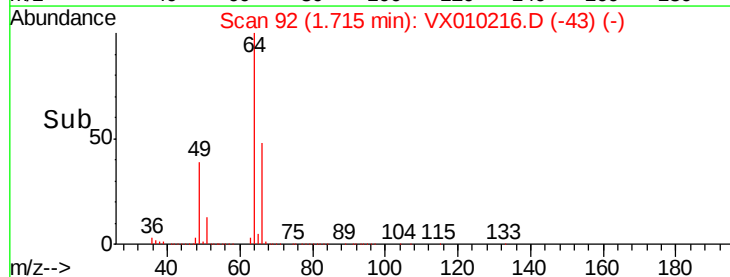
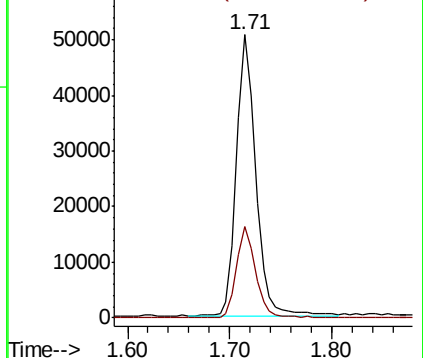
64 100

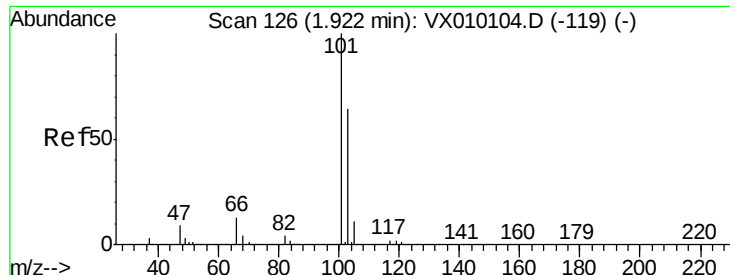
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



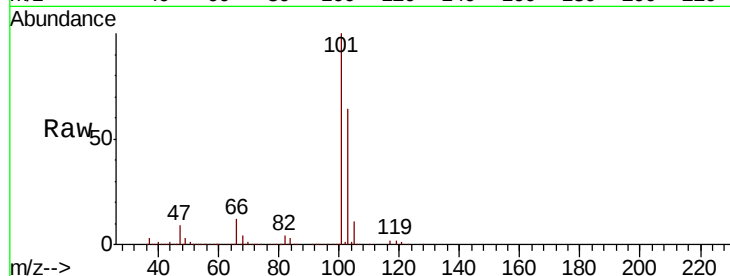


#7

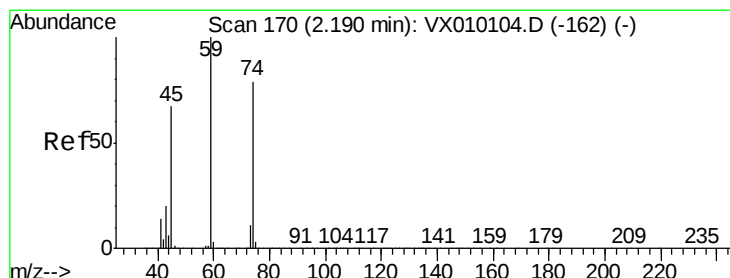
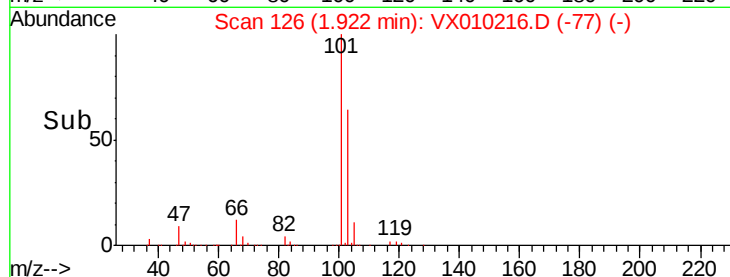
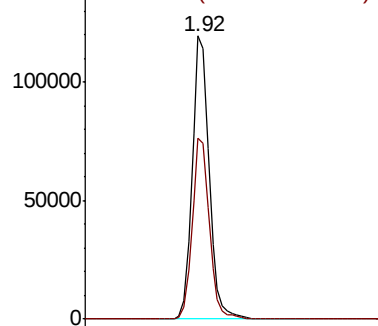
Trichlorofluoromethane
Concen: 58.707 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
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Tot Ion:101 Resp: 178108
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4



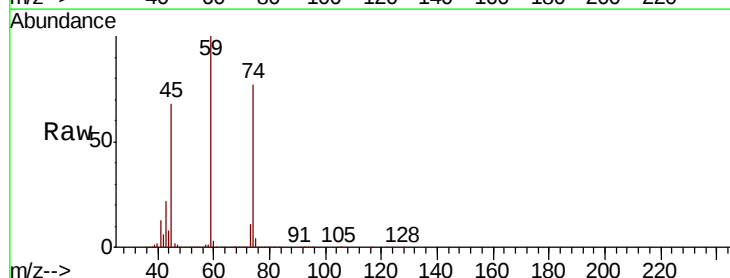
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



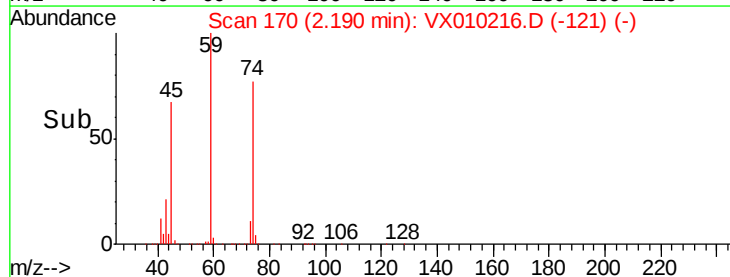
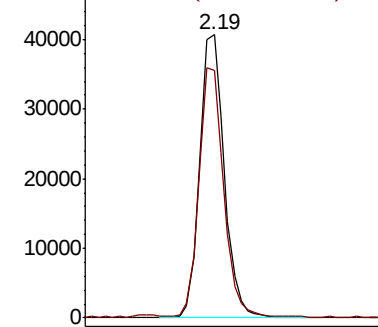
#8

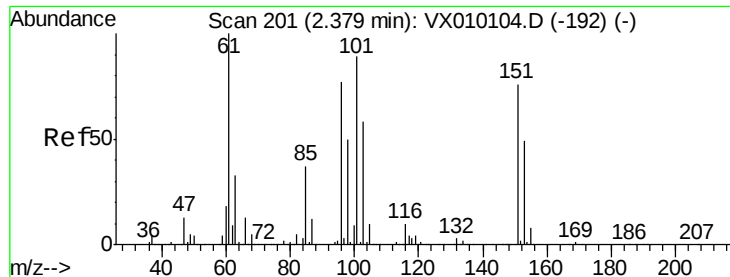
Diethyl Ether
Concen: 59.490 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 74 Resp: 62206
Ion Ratio Lower Upper
74 100
45 88.5 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.407 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

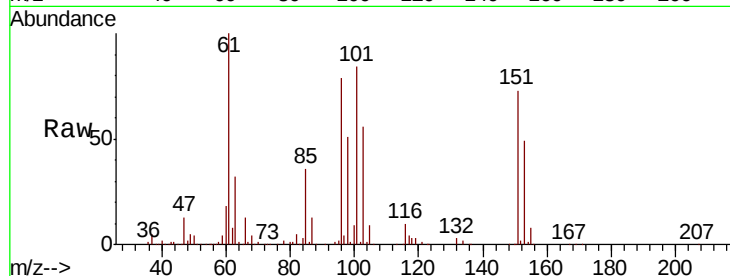
Tot Ion:101 Resp: 99141

Ion Ratio Lower Upper

101 100

85 41.9 35.2 52.8

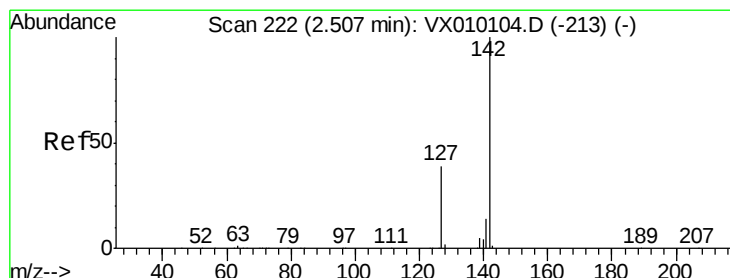
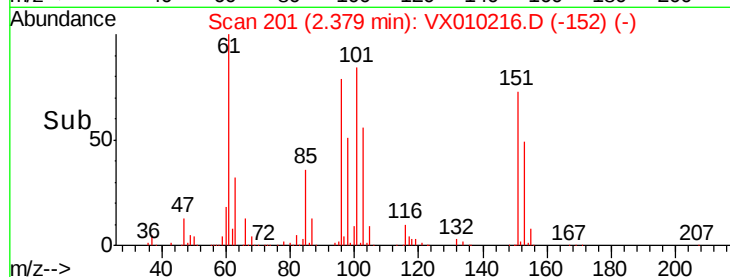
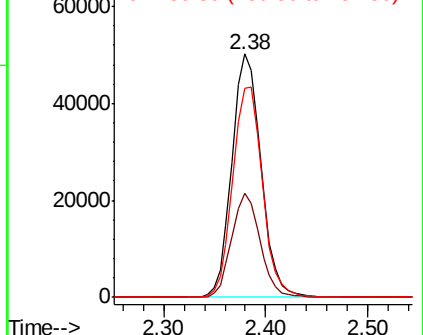
151 88.3 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.306 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

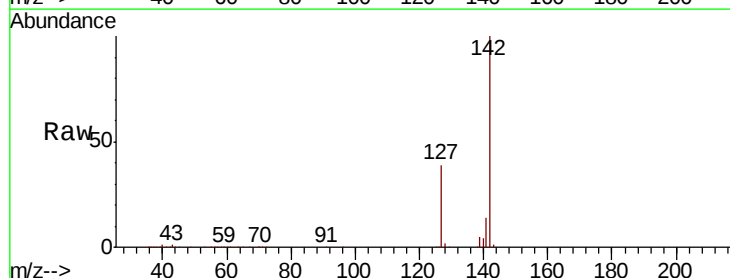
Tgt Ion:142 Resp: 166241

Ion Ratio Lower Upper

142 100

127 39.4 33.0 49.4

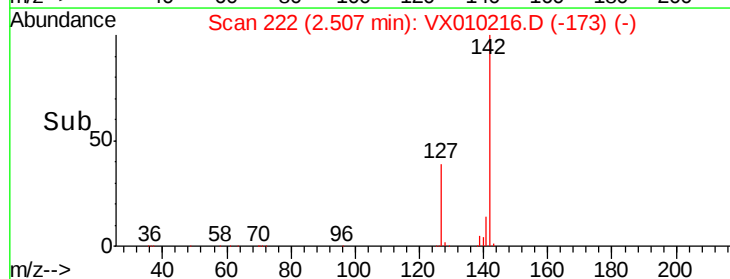
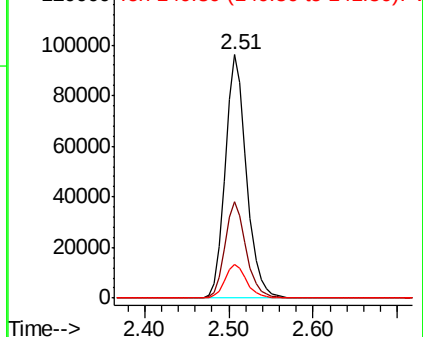
141 14.2 11.4 17.0

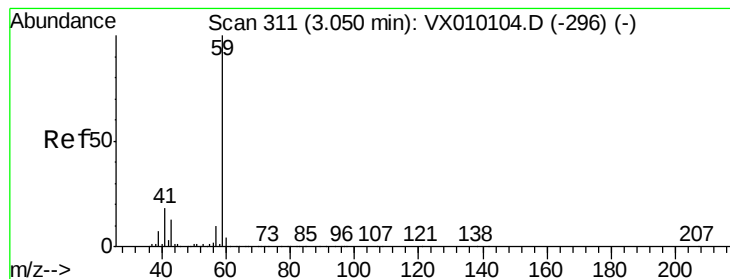


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



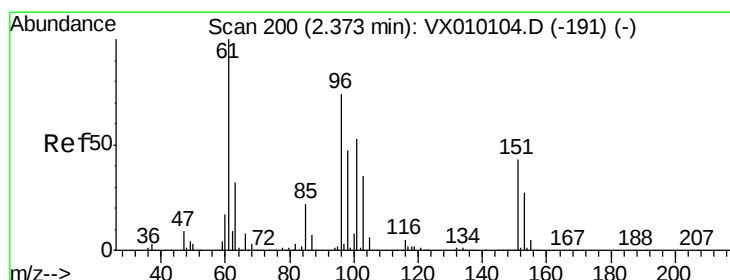
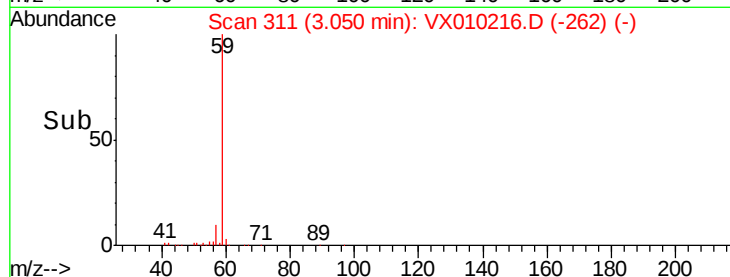
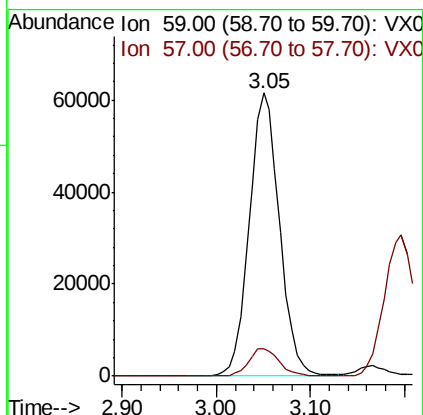
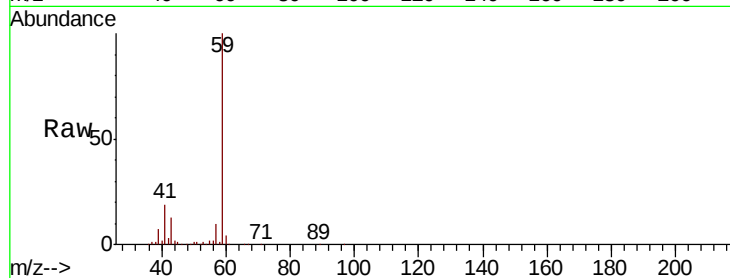


#11

Tert butyl alcohol
Concen: 243.979 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

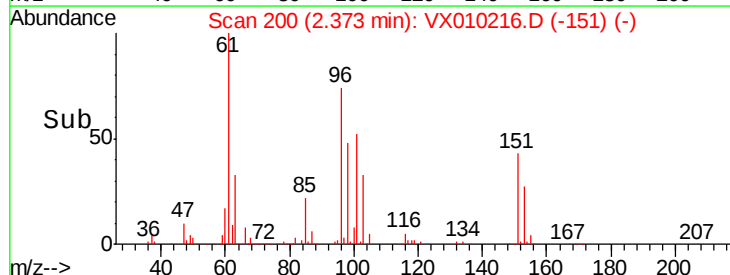
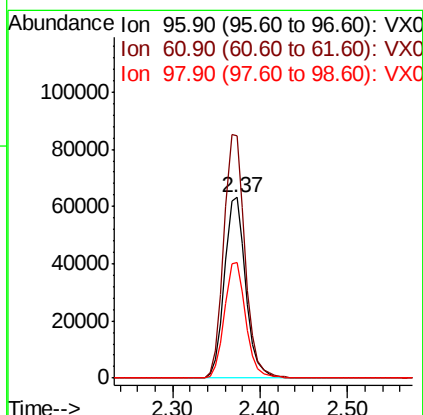
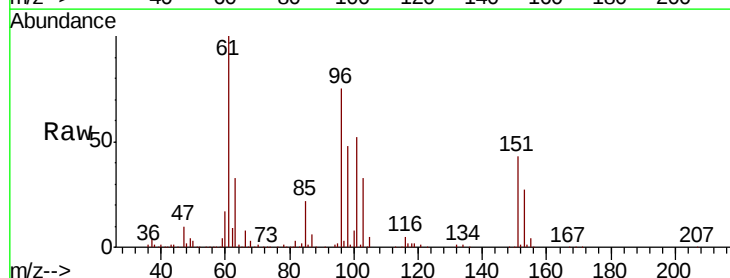
Tot Ion: 59 Resp: 138737
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2

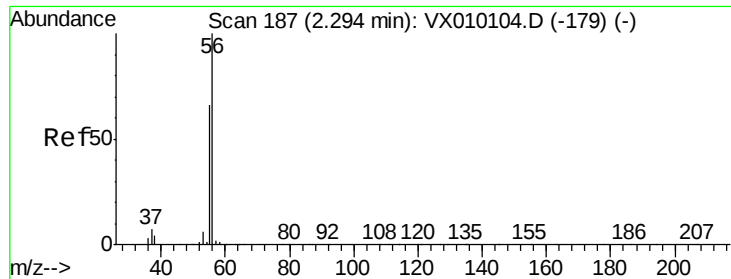


#12

1,1-Dichloroethene
Concen: 49.704 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 96 Resp: 106169
Ion Ratio Lower Upper
96 100
61 134.0 140.7 211.1#
98 64.2 50.1 75.1





#13

Acrolein

Concen: 348.261 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

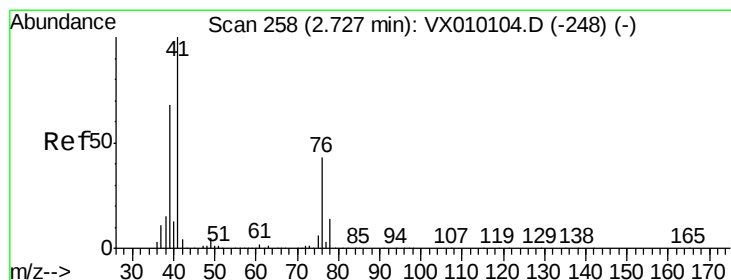
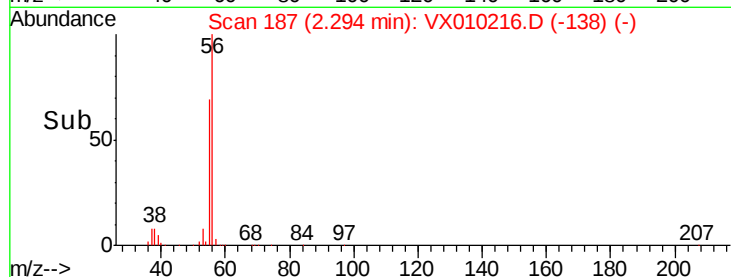
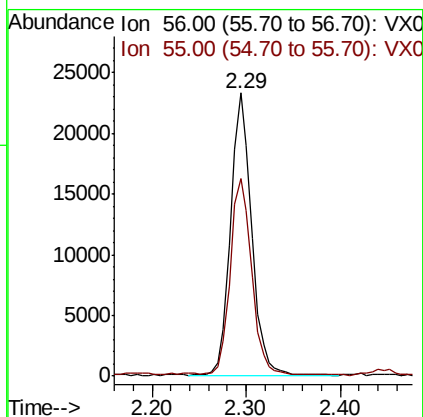
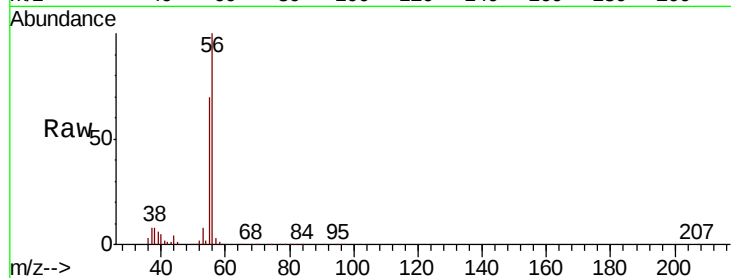
VSTDCCC050EC

Tot Ion: 56 Resp: 36110

Ion Ratio Lower Upper

56 100

55 70.0 57.0 85.4



#14

Allyl chloride

Concen: 44.821 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

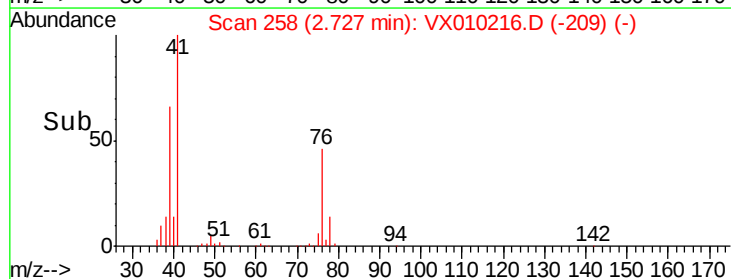
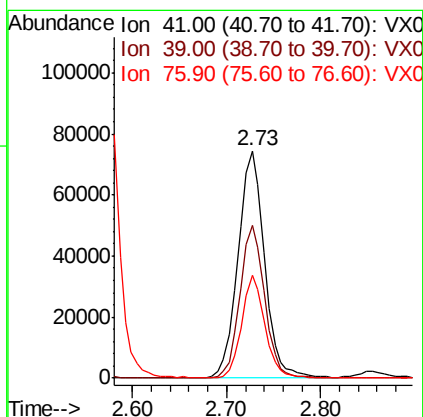
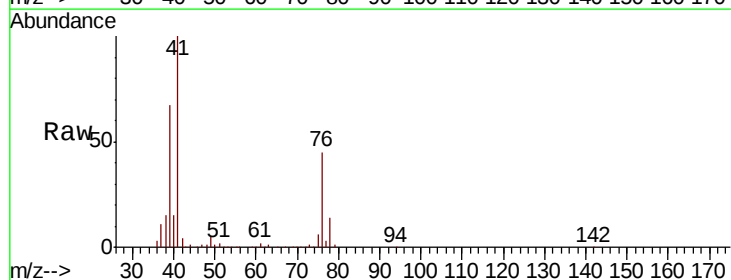
Tgt Ion: 41 Resp: 144514

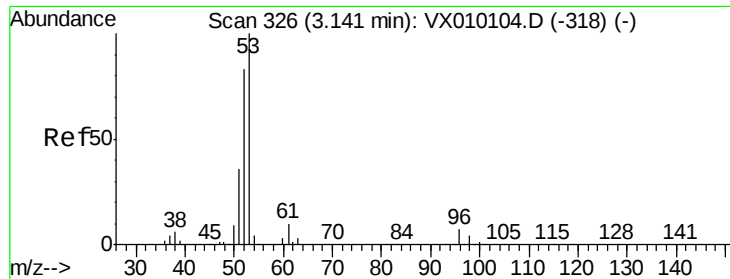
Ion Ratio Lower Upper

41 100

39 62.9 46.7 70.1

76 39.9 21.0 31.4#





#15

Acrylonitrile

Concen: 257.382 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

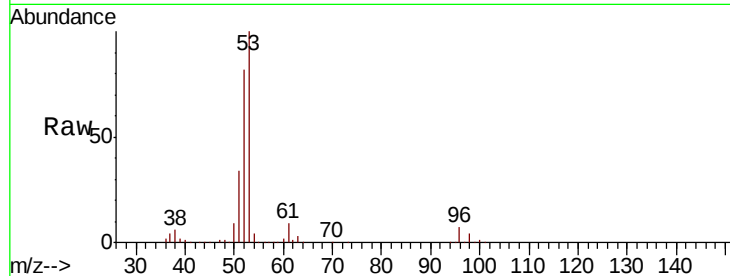
Tot Ion: 53 Resp: 299154

Ion Ratio Lower Upper

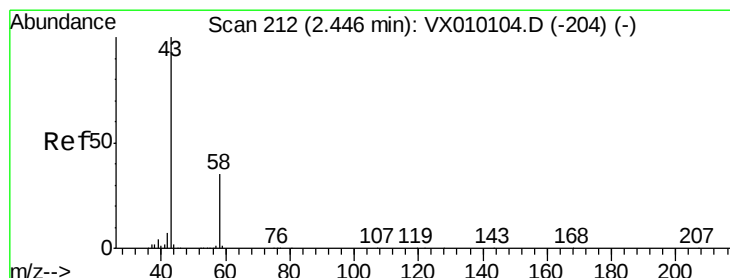
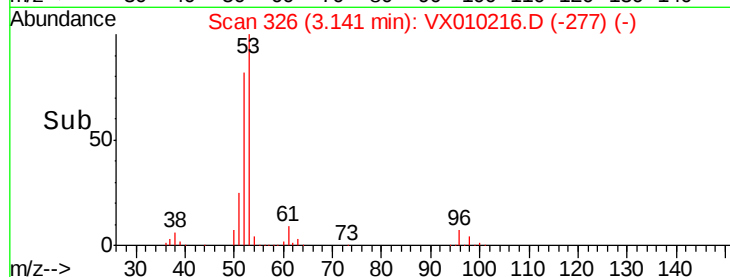
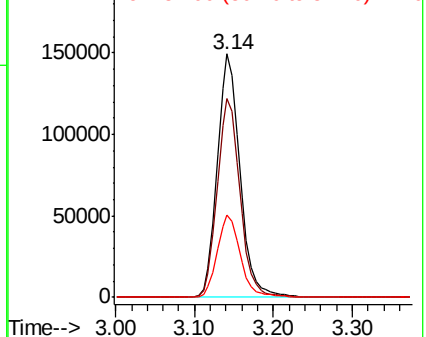
53 100

52 82.1 66.7 100.1

51 34.6 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 214.908 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010216.D

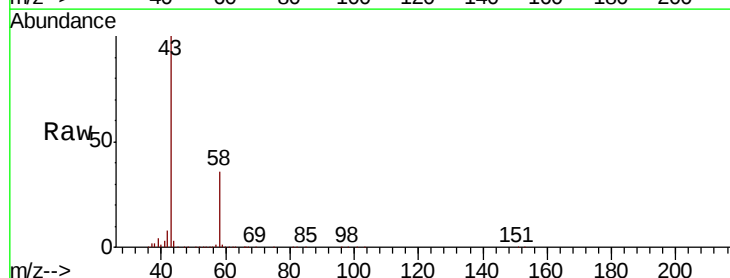
Acq: 11 Jun 2019 07:20

Tgt Ion: 43 Resp: 234633

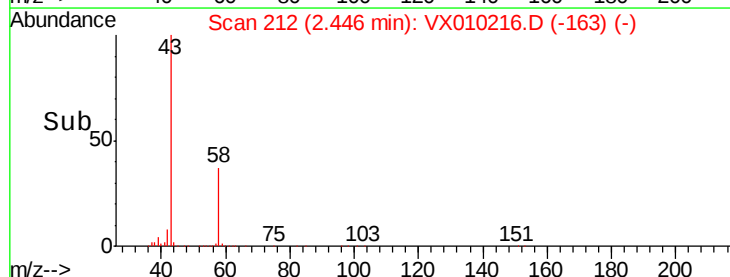
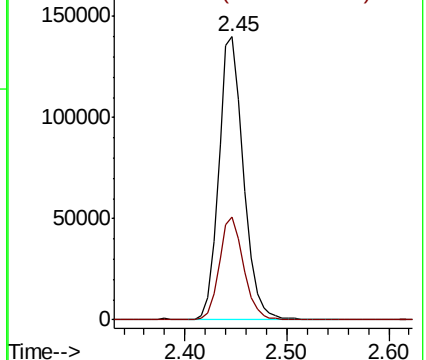
Ion Ratio Lower Upper

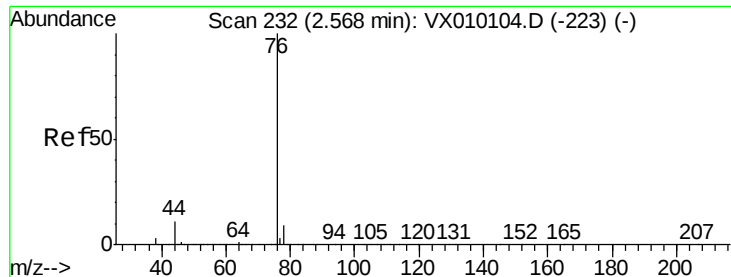
43 100

58 36.5 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 45.248 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

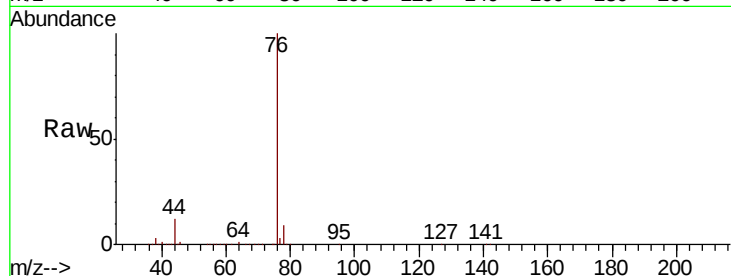
VSTDCCC050EC

Tot Ion: 76 Resp: 279264

Ion Ratio Lower Upper

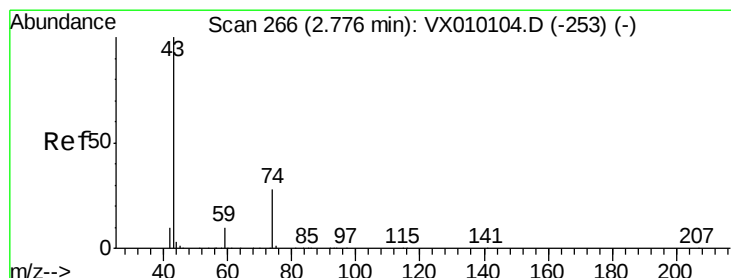
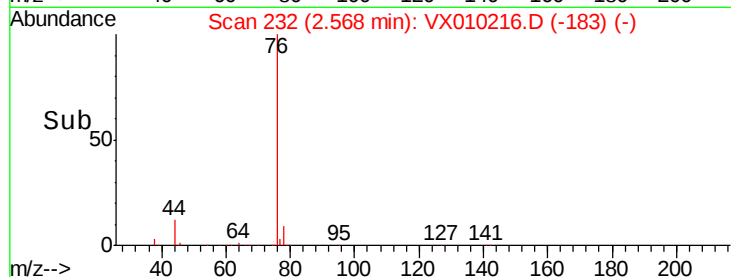
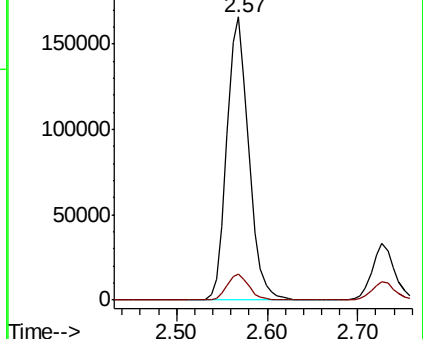
76 100

78 9.0 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: 51.249 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010216.D

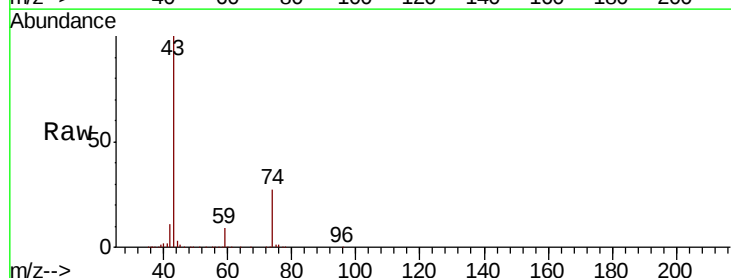
Acq: 11 Jun 2019 07:20

Tgt Ion: 43 Resp: 123051

Ion Ratio Lower Upper

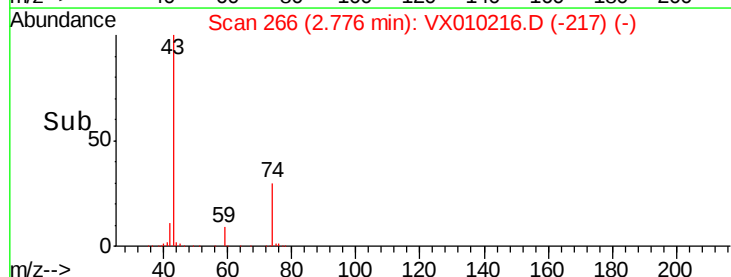
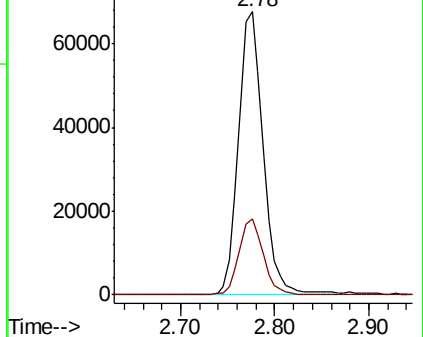
43 100

74 27.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

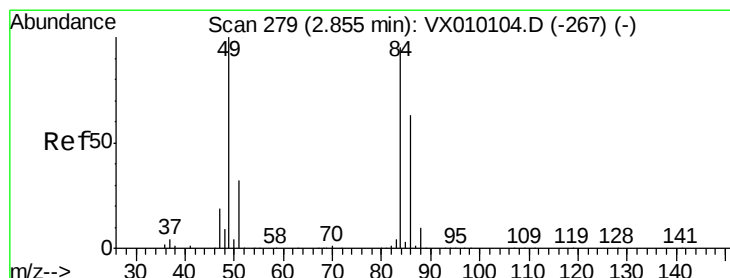
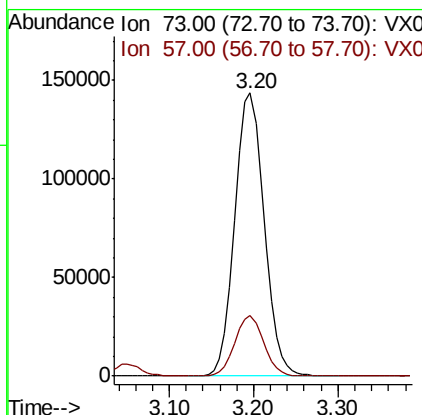
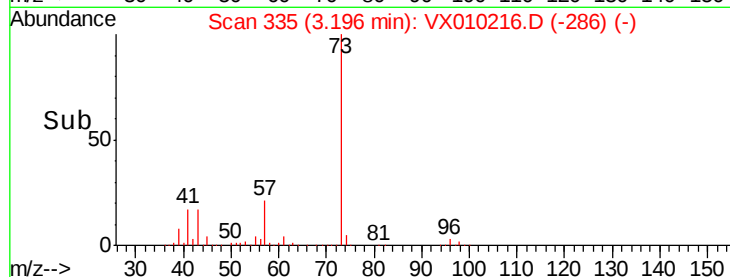
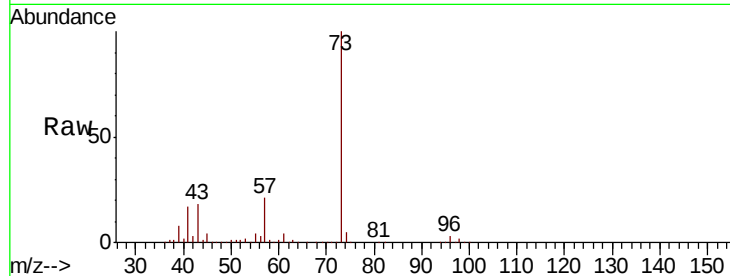




#19
Methyl tert-butyl Ether
Concen: 49.345 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

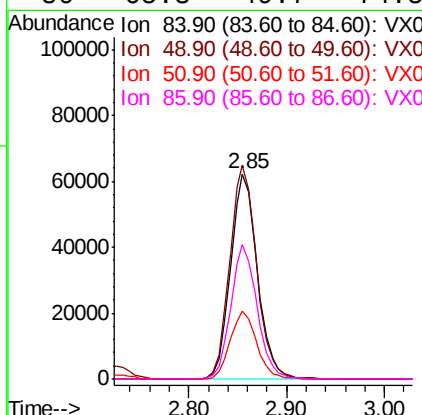
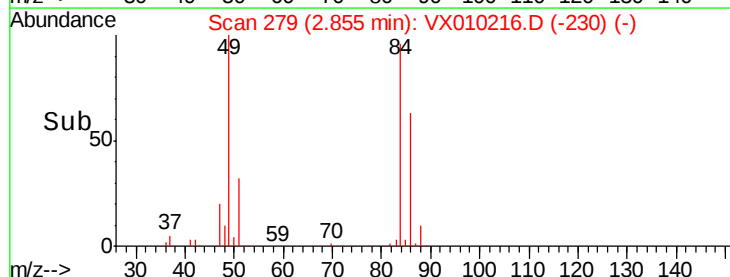
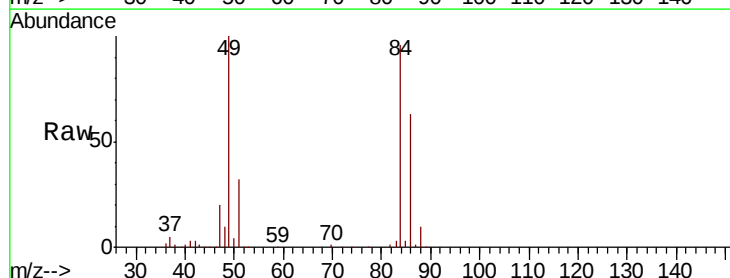
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

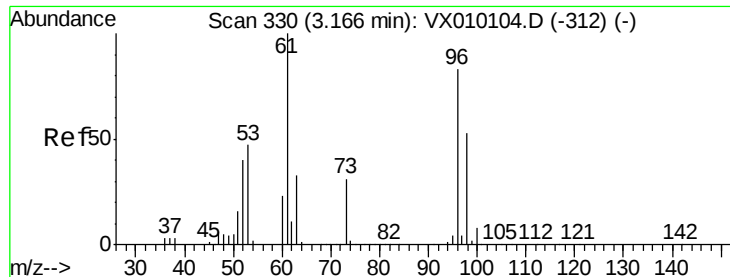
Tot Ion: 73 Resp: 338619
Ion Ratio Lower Upper
73 100
57 21.4 19.4 29.2



#20
Methylene Chloride
Concen: 49.158 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 84 Resp: 117867
Ion Ratio Lower Upper
84 100
49 104.1 115.8 173.6#
51 32.9 34.4 51.6#
86 65.3 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 47.669 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

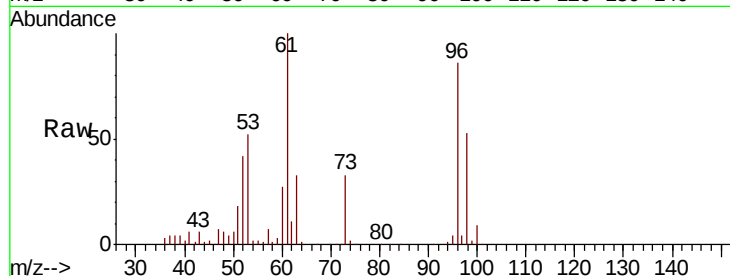
Tot Ion: 96 Resp: 112681

Ion Ratio Lower Upper

96 100

61 116.7 125.7 188.5#

98 62.0 49.0 73.6

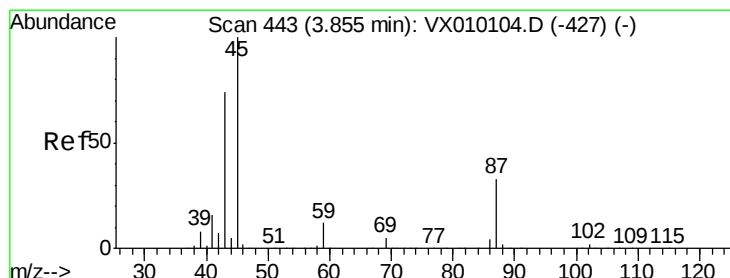
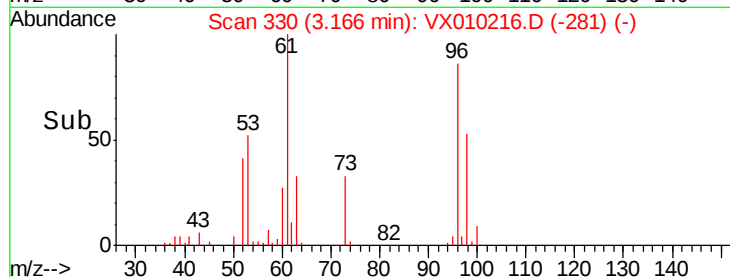
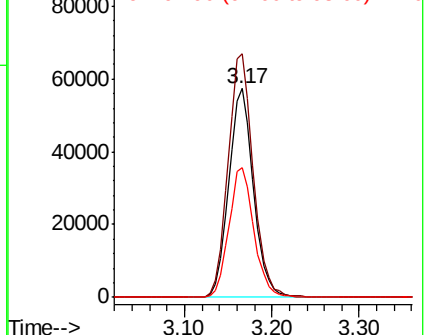


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.089 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion: 45 Resp: 314941

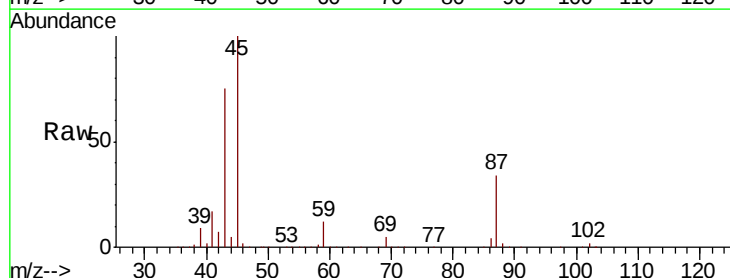
Ion Ratio Lower Upper

45 100

43 74.5 65.0 97.4

87 33.9 17.3 25.9#

59 12.5 8.1 12.1#



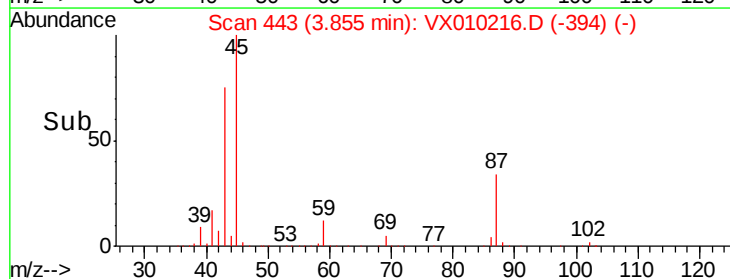
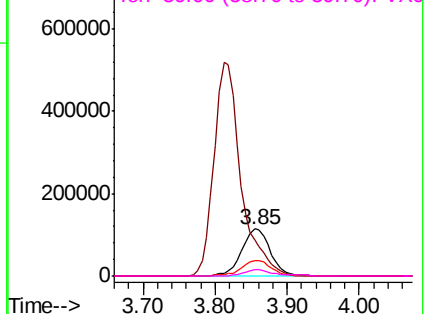
Abundance

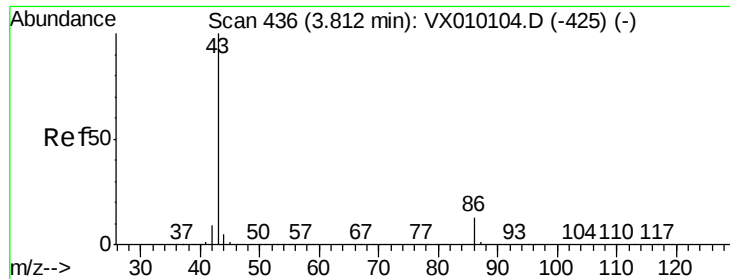
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

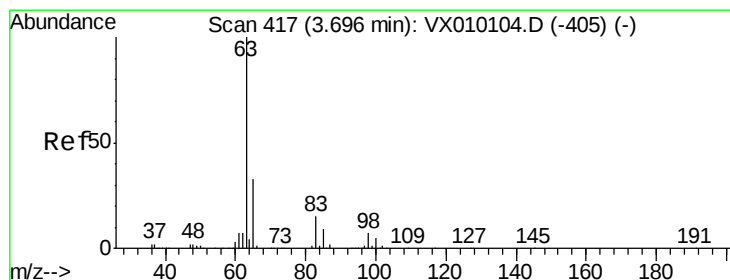
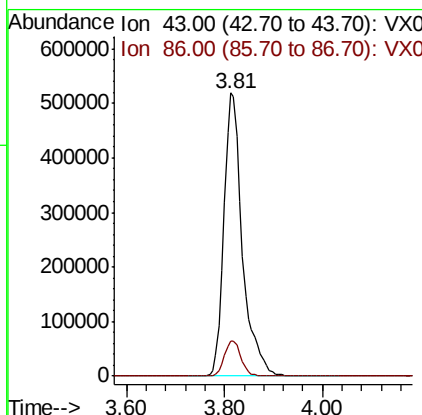
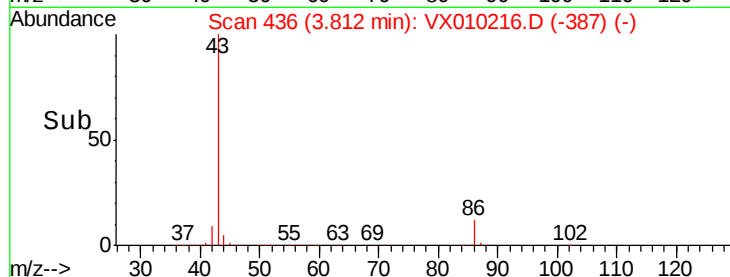
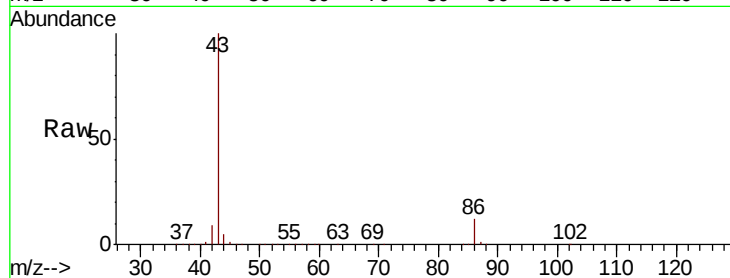




#23
 Vinyl Acetate
 Concen: 246.463 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

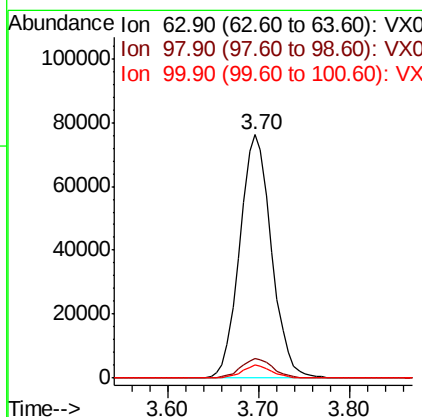
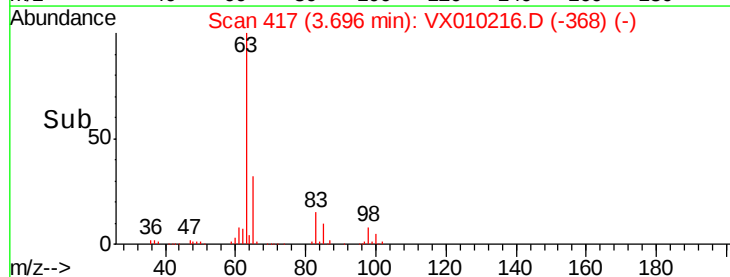
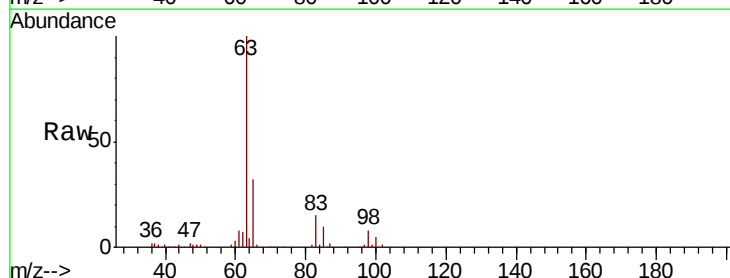
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1355413
 Ion Ratio Lower Upper
 43 100
 86 12.3 6.5 9.7#



#24
 1,1-Dichloroethane
 Concen: 49.133 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion: 63 Resp: 183898
 Ion Ratio Lower Upper
 63 100
 98 8.1 2.9 8.8
 100 5.3 1.8 5.4





#25

2-Butanone

Concen: 248.473 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

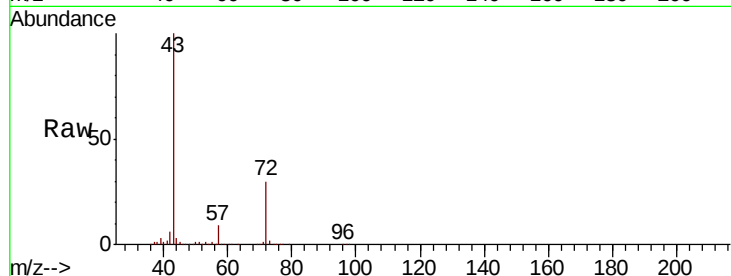
VSTDCCC050EC

Tot Ion: 43 Resp: 403958

Ion Ratio Lower Upper

43 100

72 30.2 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

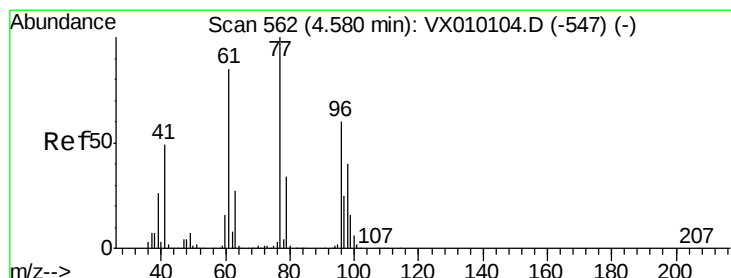
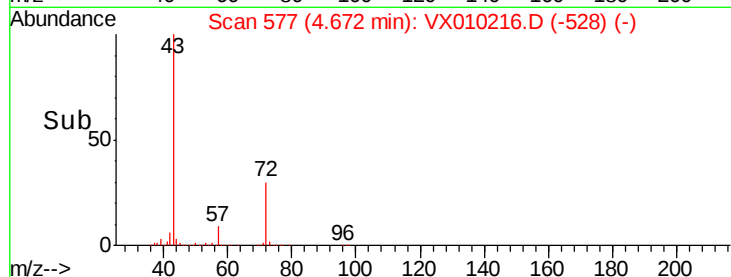
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 27.408 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010216.D

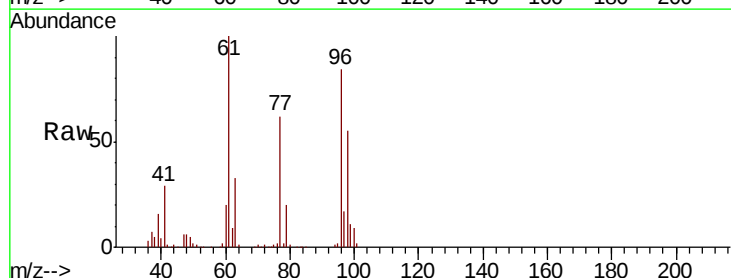
Acq: 11 Jun 2019 07:20

Tgt Ion: 77 Resp: 93586

Ion Ratio Lower Upper

77 100

97 29.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

30000

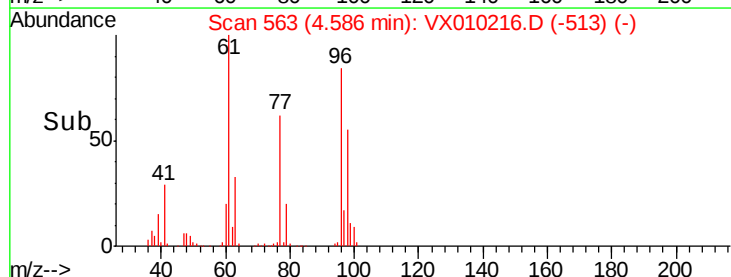
20000

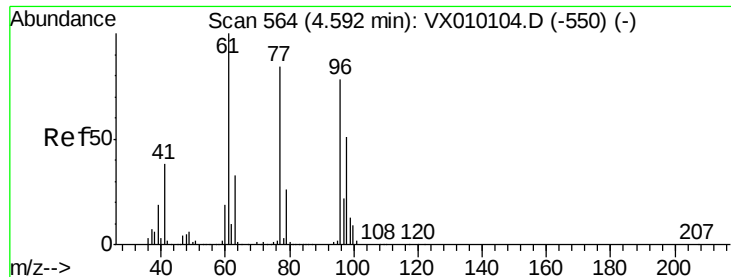
10000

0

4.40 4.50 4.60 4.70

Time-->



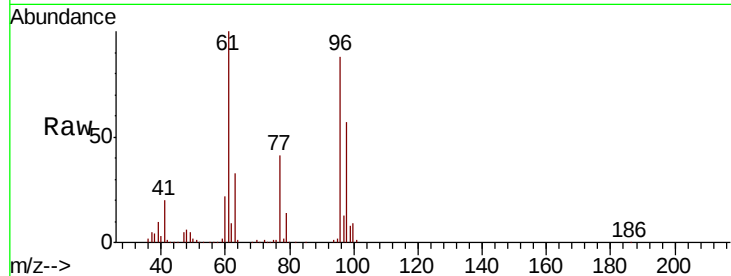


#27

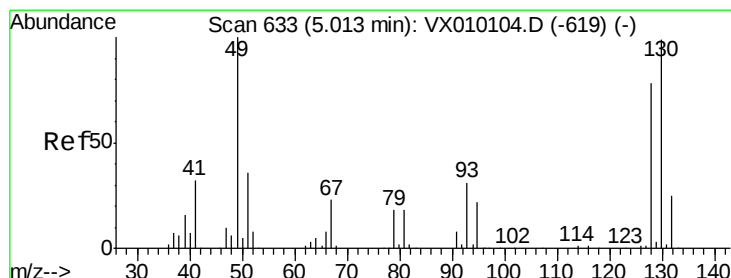
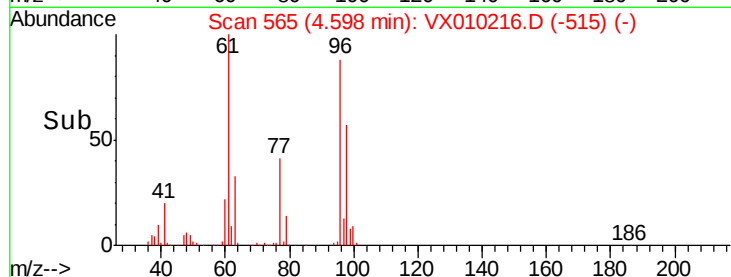
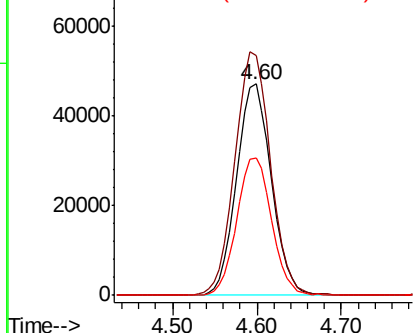
cis-1,2-Dichloroethene
Concen: 50.105 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 131760
Ion Ratio Lower Upper
96 100
61 118.8 0.0 334.0
98 65.1 0.0 131.6



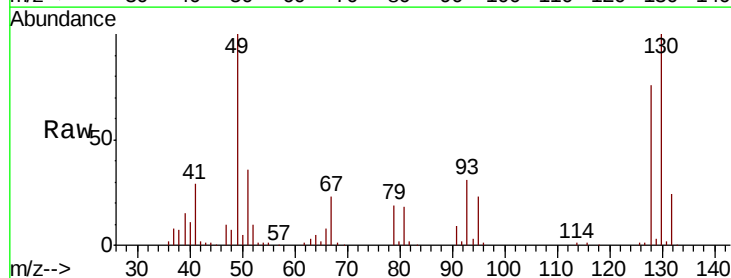
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



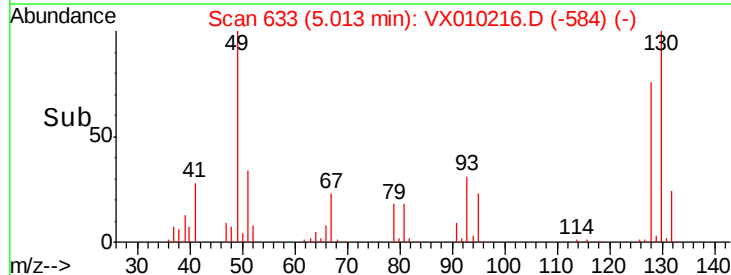
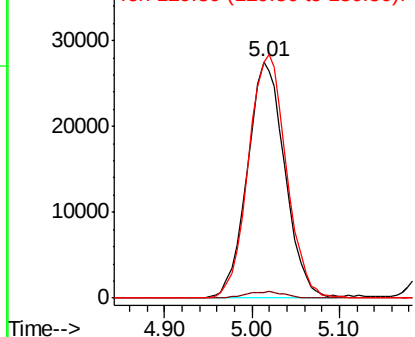
#28

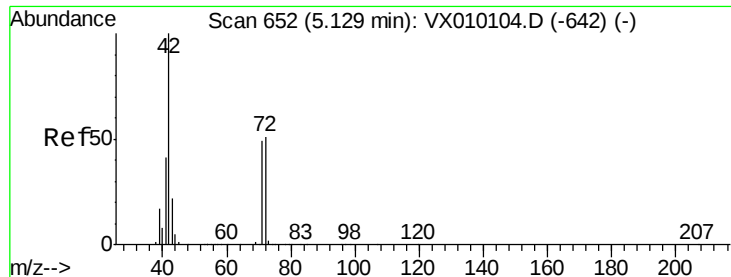
Bromochloromethane
Concen: 48.912 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 49 Resp: 82047
Ion Ratio Lower Upper
49 100
129 2.7 0.0 3.4
130 104.4 49.4 74.2#



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

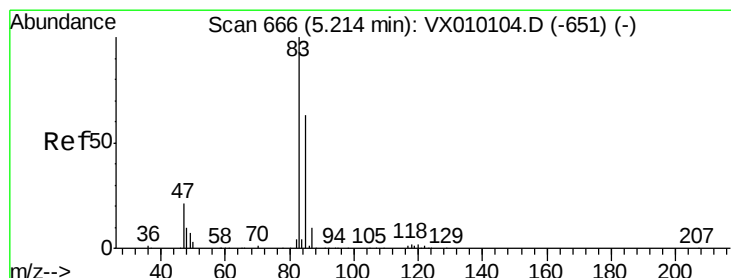
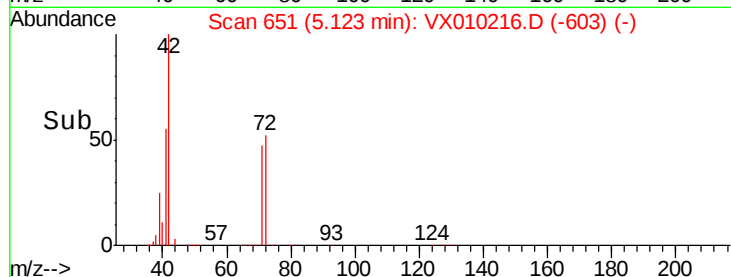
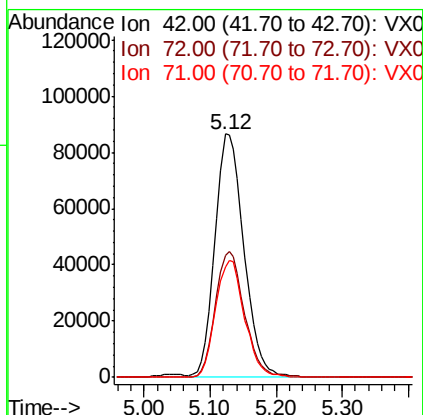
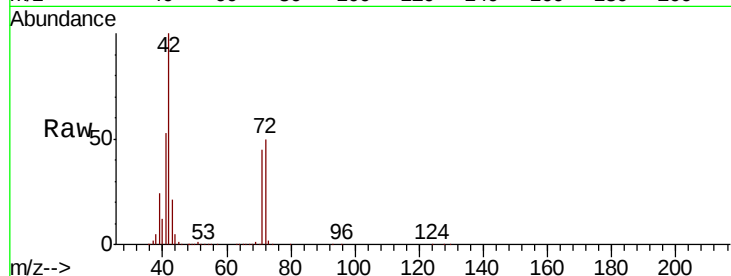




#29
Tetrahydrofuran
Concen: 256.262 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

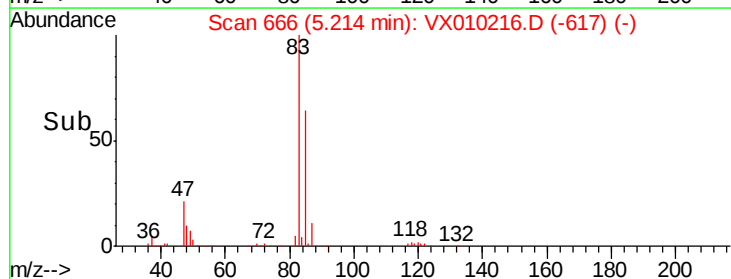
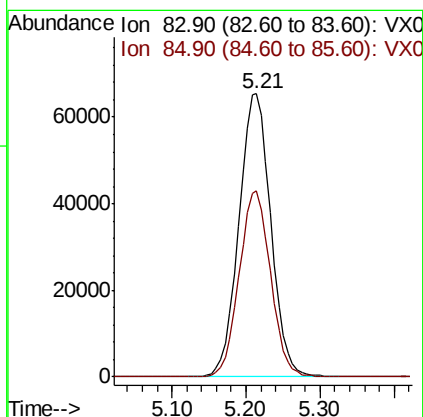
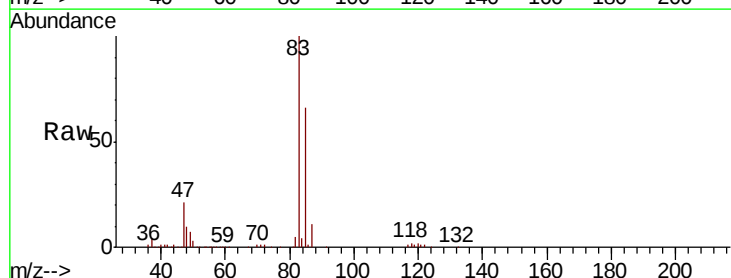
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

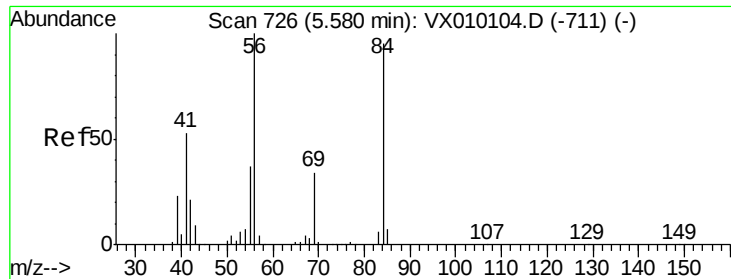
Tot Ion: 42 Resp: 261828
Ion Ratio Lower Upper
42 100
72 52.2 29.2 43.8#
71 48.4 27.6 41.4#



#30
Chloroform
Concen: 50.525 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 83 Resp: 196396
Ion Ratio Lower Upper
83 100
85 65.9 52.6 78.8

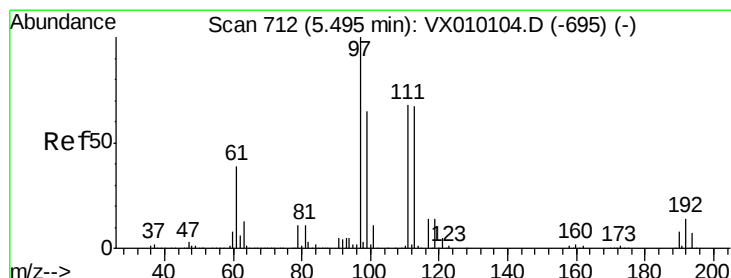
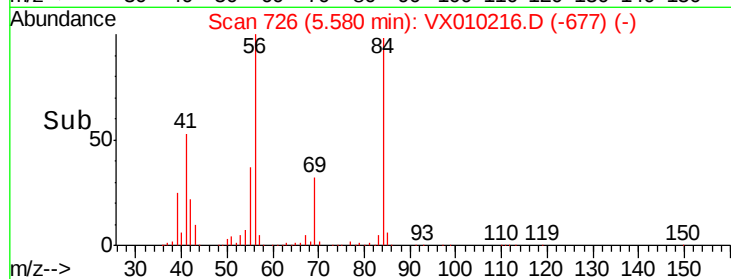
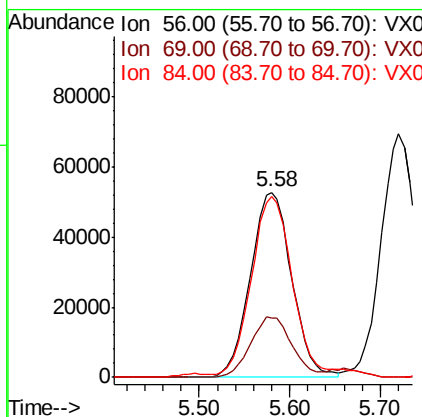
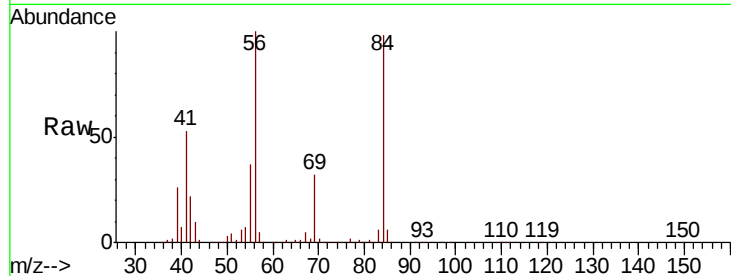




#31
Cyclohexane
Concen: 49.308 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

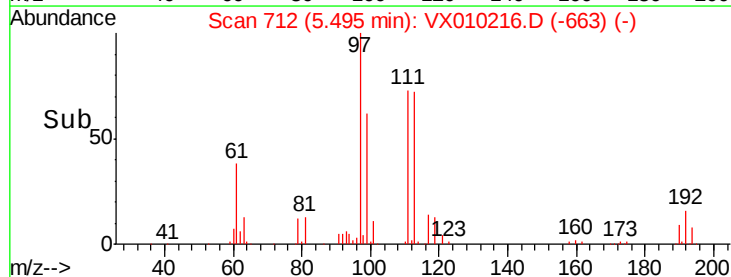
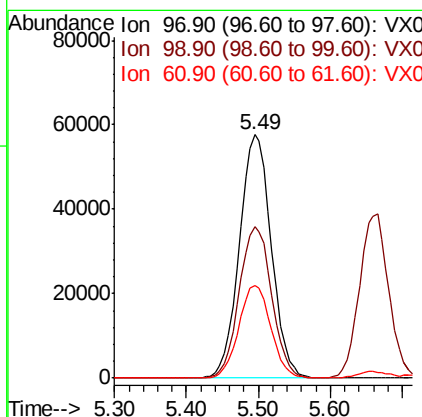
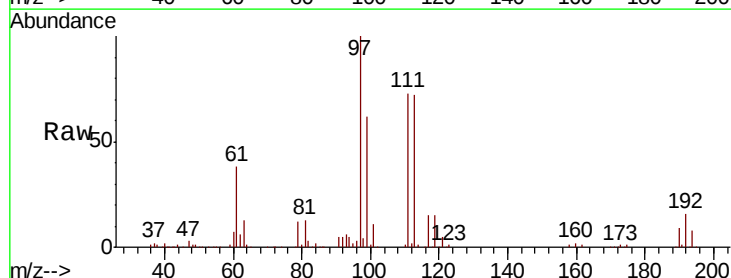
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

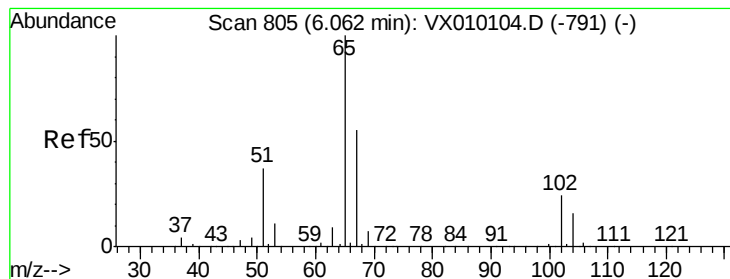
Tot Ion: 56 Resp: 166562
Ion Ratio Lower Upper
56 100
69 32.2 21.6 32.4
84 96.4 56.8 85.2#



#32
1,1,1-Trichloroethane
Concen: 48.483 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 97 Resp: 177171
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 38.4 38.7 58.1#





#33

1,2-Dichloroethane-d4

Concen: 51.951 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

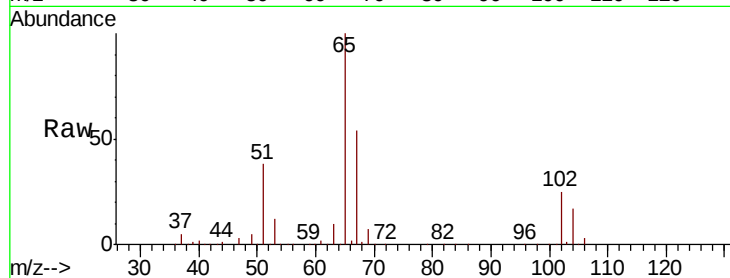
VSTDCCC050EC

Tot Ion: 65 Resp: 120592

Ion Ratio Lower Upper

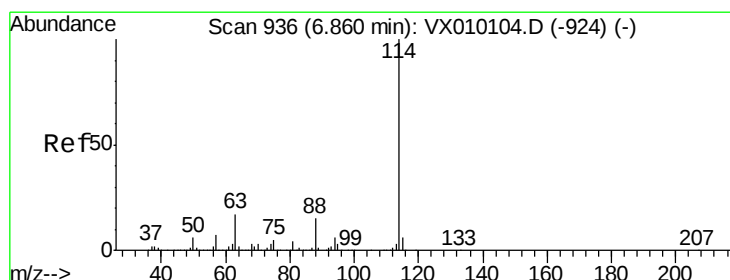
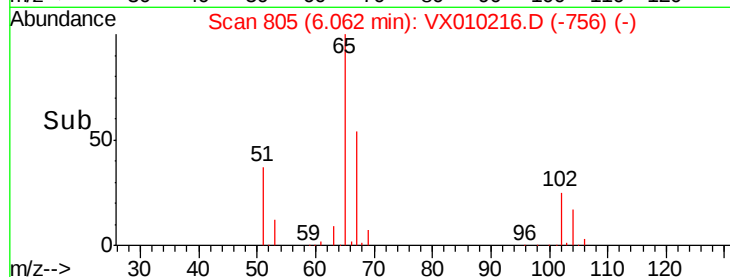
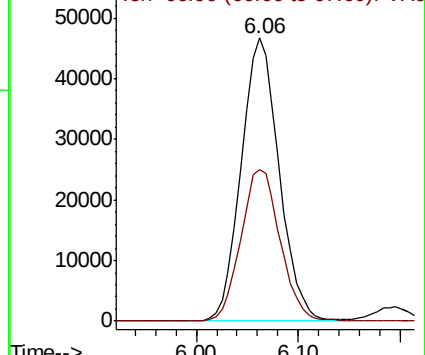
65 100

67 55.6 0.0 108.4



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: VX010216.D

Acq: 11 Jun 2019 07:20

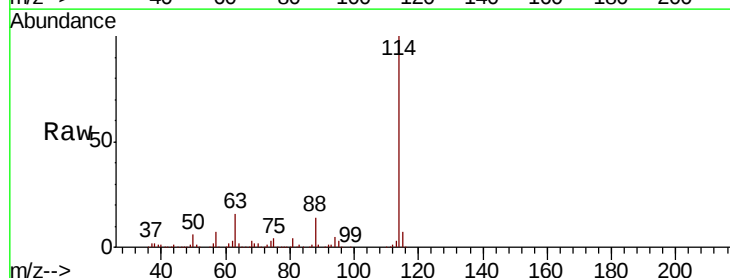
Tgt Ion: 114 Resp: 365366

Ion Ratio Lower Upper

114 100

63 16.2 0.0 47.4

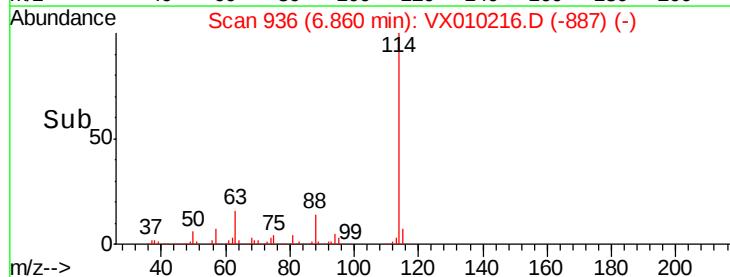
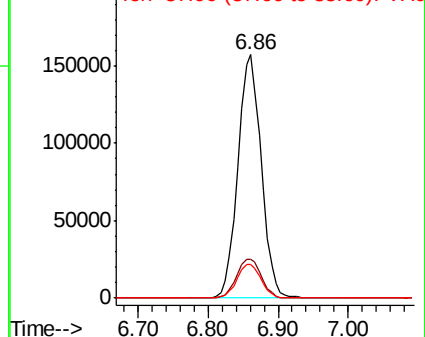
88 14.0 0.0 33.0



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

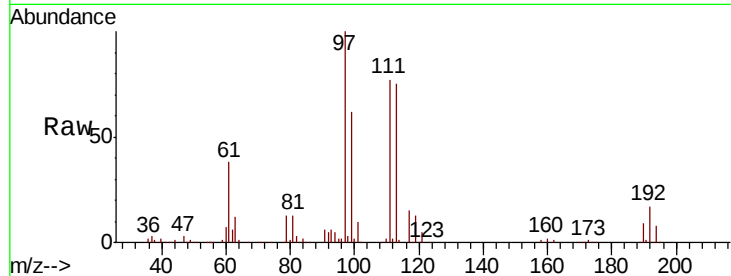




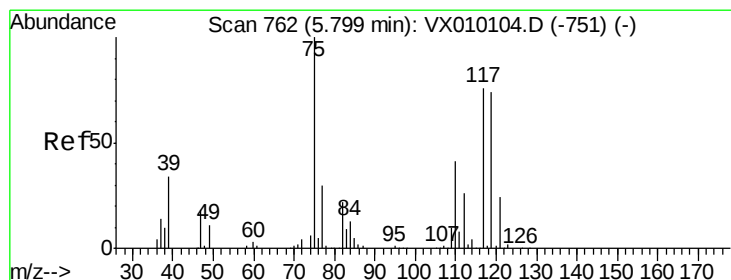
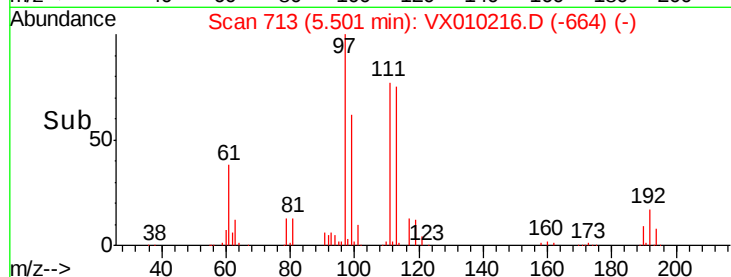
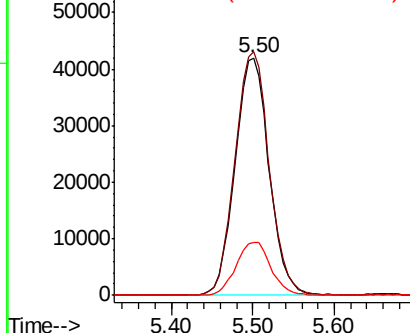
#35
 Dibromofluoromethane
 Concen: 53.727 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 121082
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 22.8 17.1 25.7

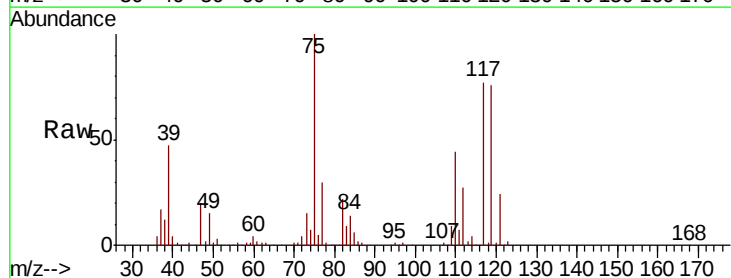


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

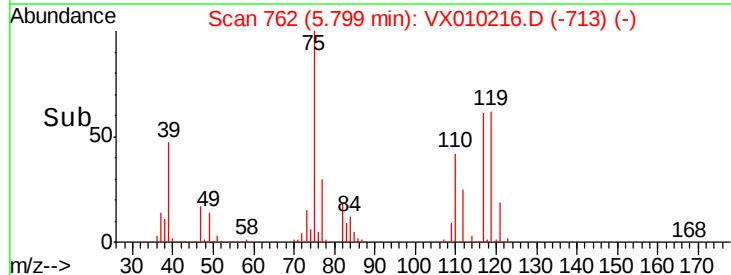
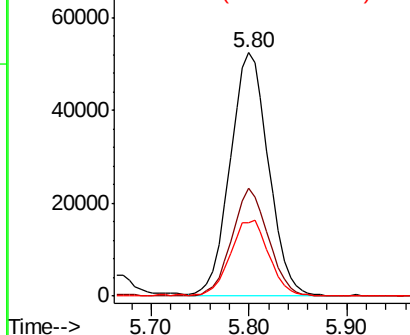


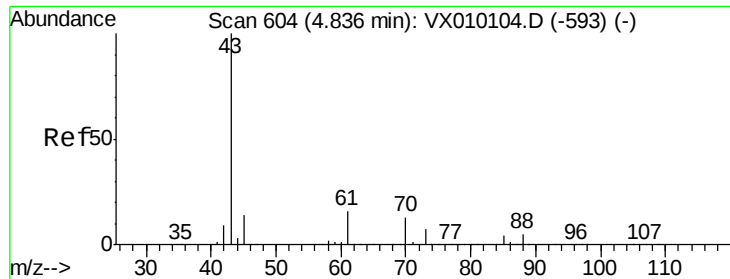
#36
 1,1-Dichloropropene
 Concen: 47.477 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion: 75 Resp: 141522
 Ion Ratio Lower Upper
 75 100
 110 42.4 16.7 50.1
 77 31.8 25.0 37.4



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

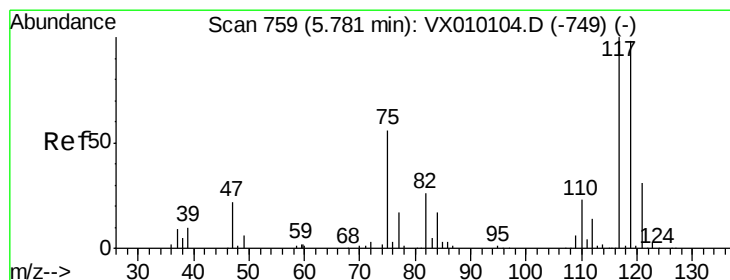
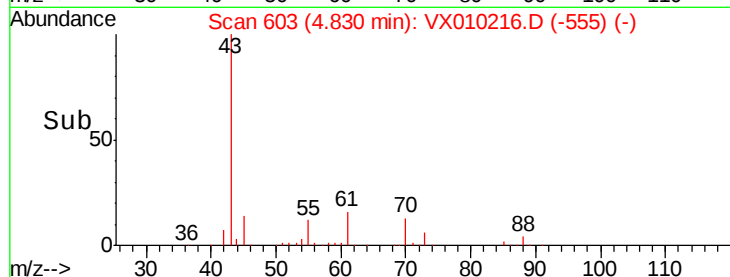
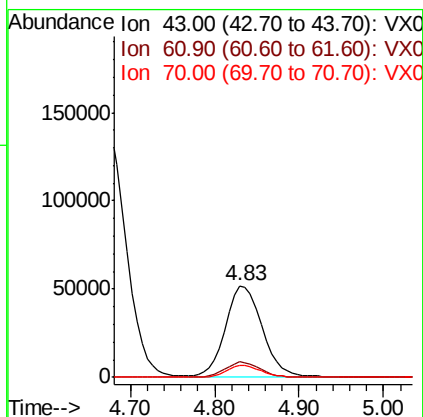
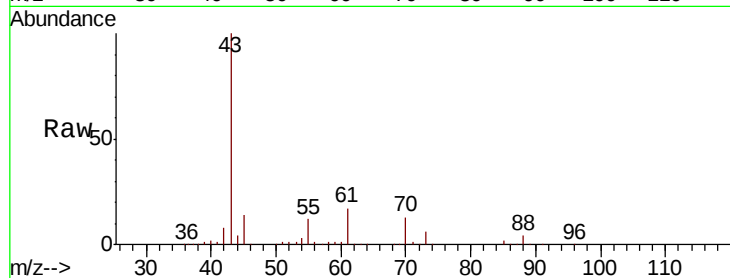




#37
Ethyl Acetate
Concen: 49.256 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

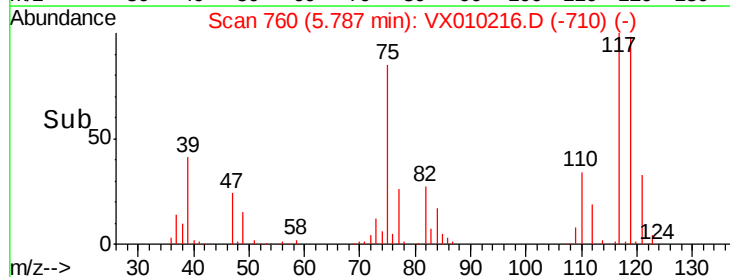
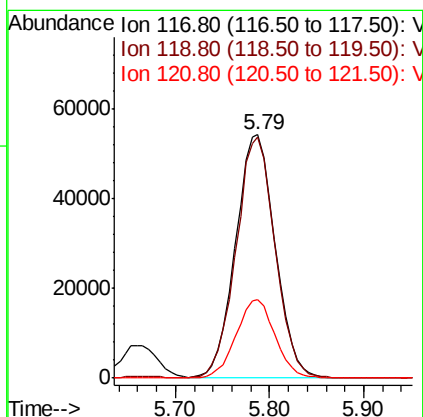
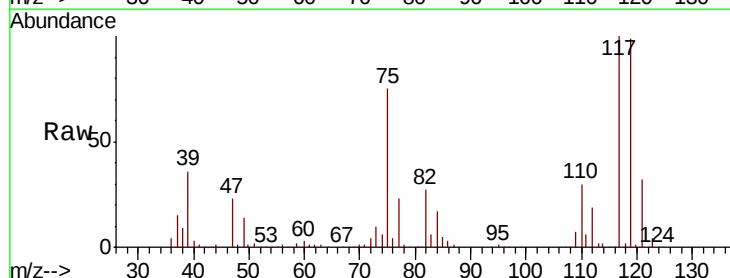
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

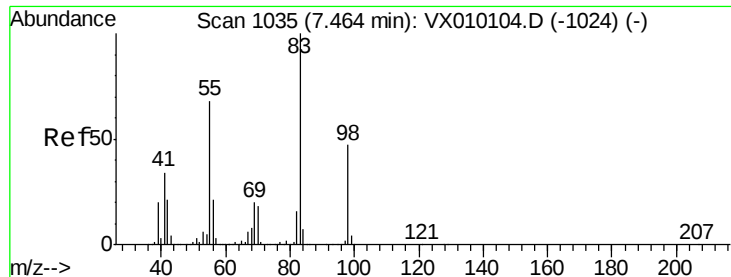
Tot Ion: 43 Resp: 152767
Ion Ratio Lower Upper
43 100
61 16.0 10.2 15.2#
70 12.7 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 47.235 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 117 Resp: 159367
Ion Ratio Lower Upper
117 100
119 98.9 77.3 115.9
121 32.5 25.4 38.0

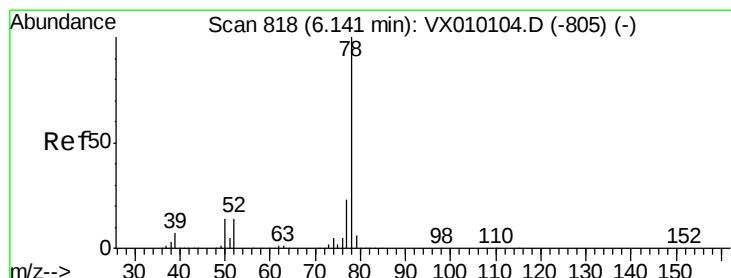
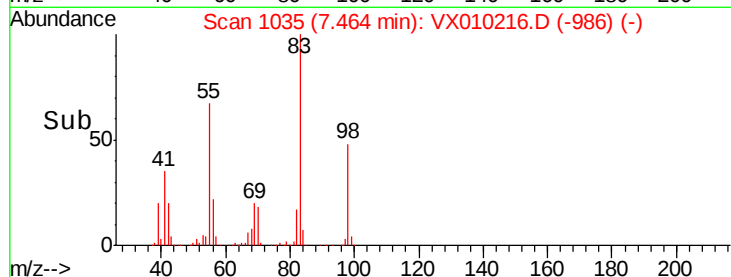
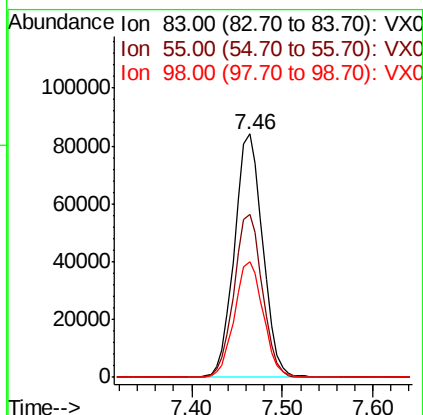
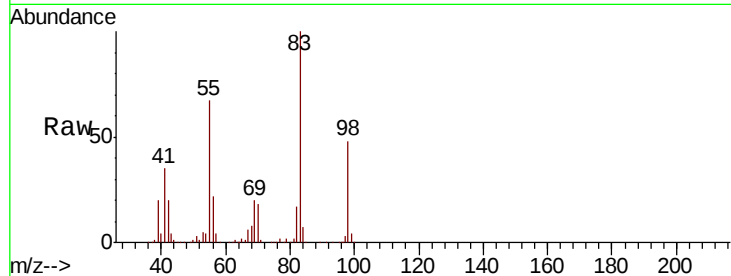




#39
Methylvlcyclohexane
Concen: 44.836 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

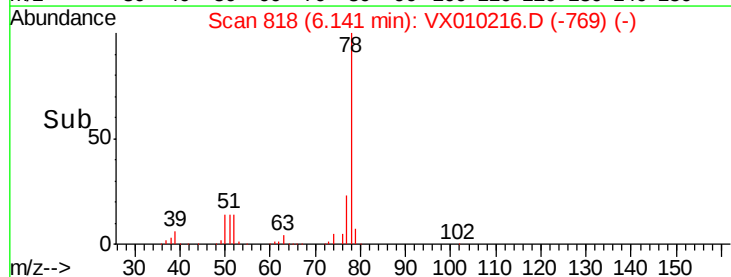
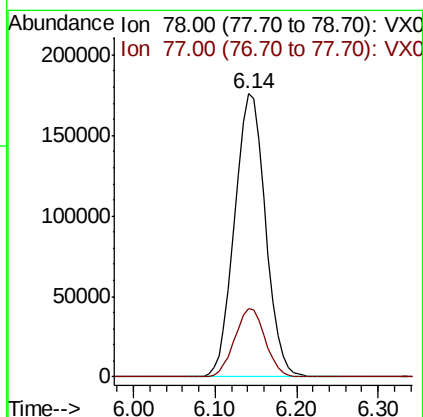
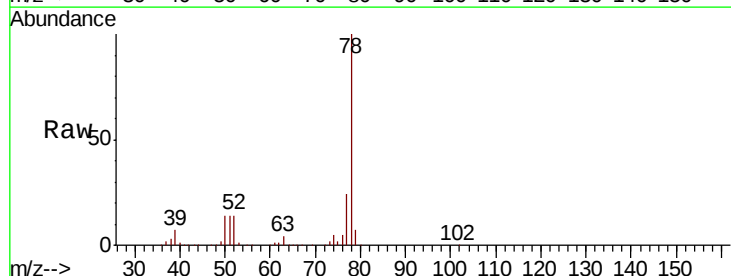
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 181988
Ion Ratio Lower Upper
83 100
55 66.6 69.9 104.9#
98 47.5 35.1 52.7



#40
Benzene
Concen: 50.038 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 78 Resp: 461220
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





#41

Methacrylonitrile

Concen: 48.821 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 81906

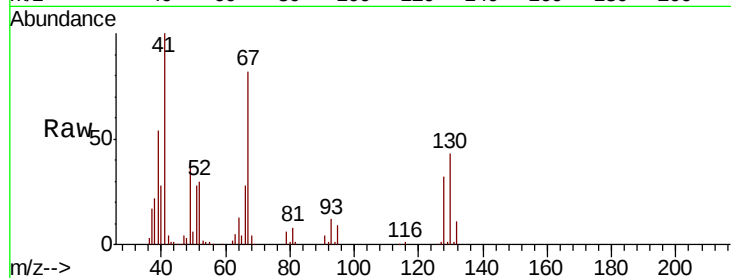
Ion Ratio Lower Upper

41 100

39 53.7 42.2 63.4

67 86.4 48.9 73.3#

52 32.0 20.1 30.1#

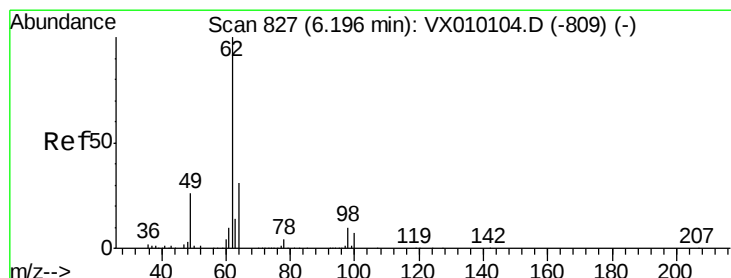
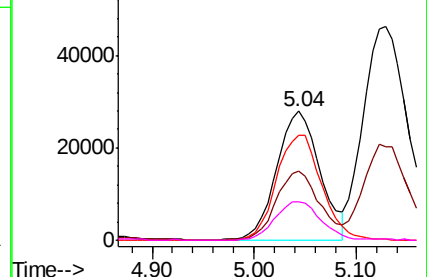
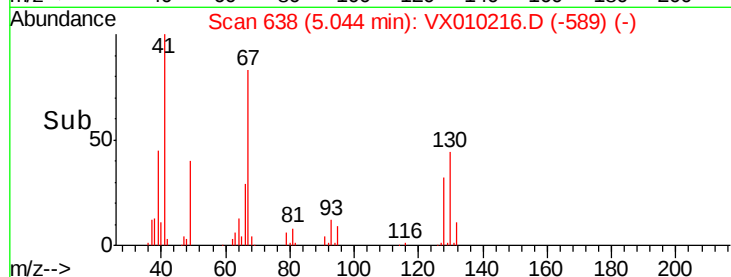


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.659 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010216.D

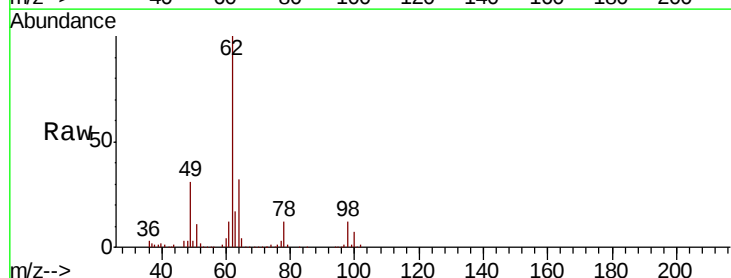
Acq: 11 Jun 2019 07:20

Tgt Ion: 62 Resp: 140243

Ion Ratio Lower Upper

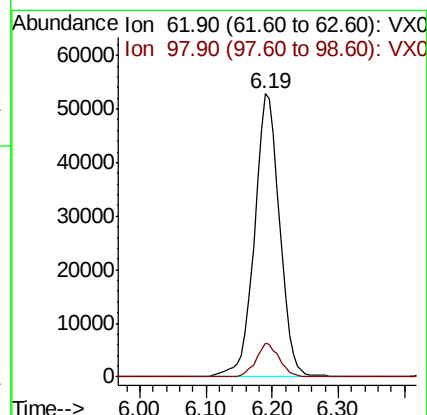
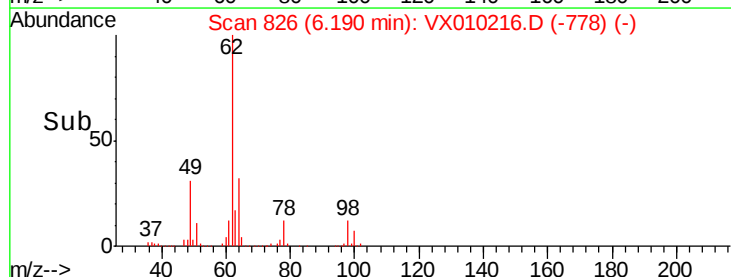
62 100

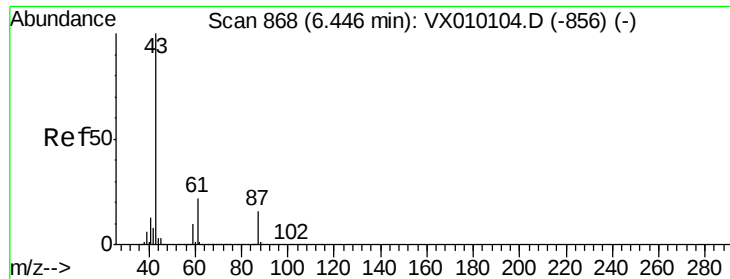
98 11.2 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



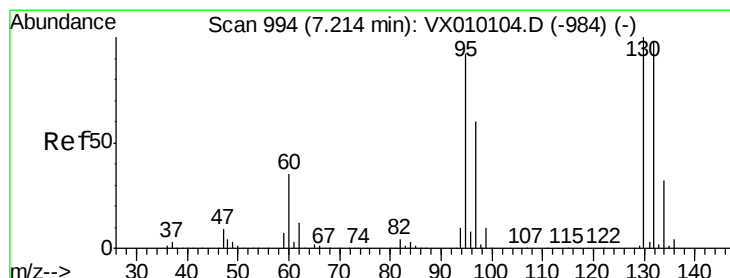
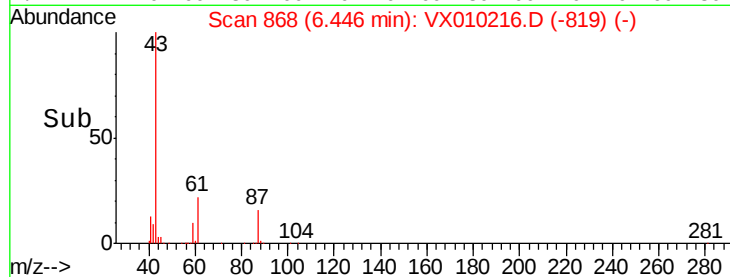
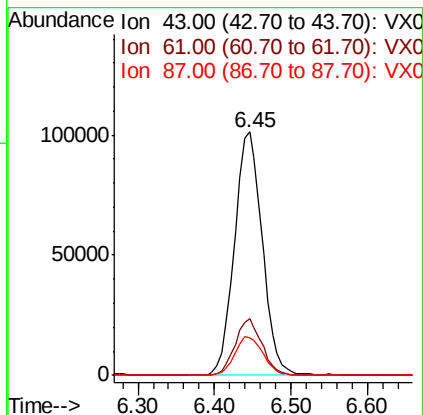
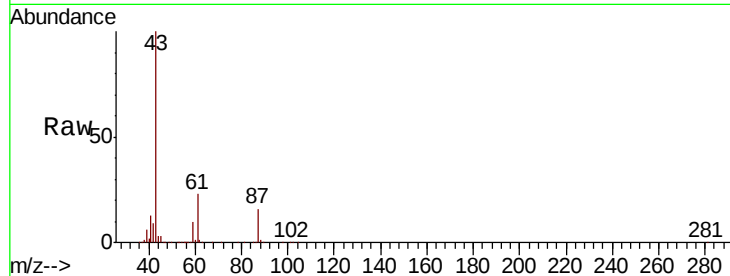


#43

Isopropyl Acetate
 Concen: 49.001 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

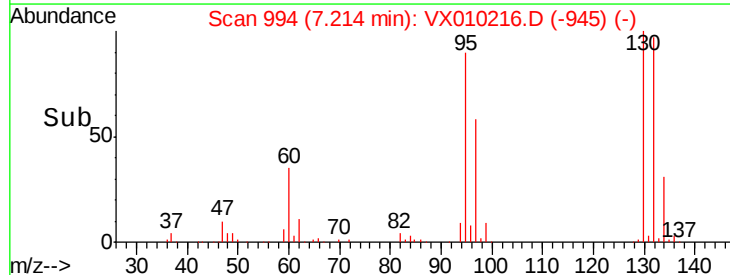
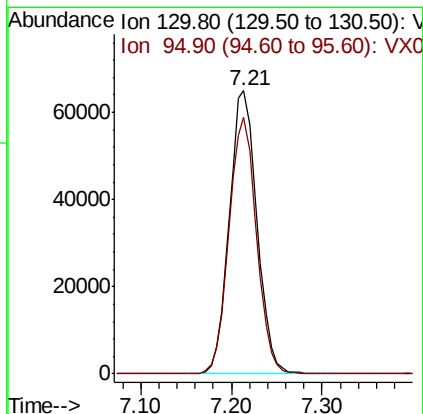
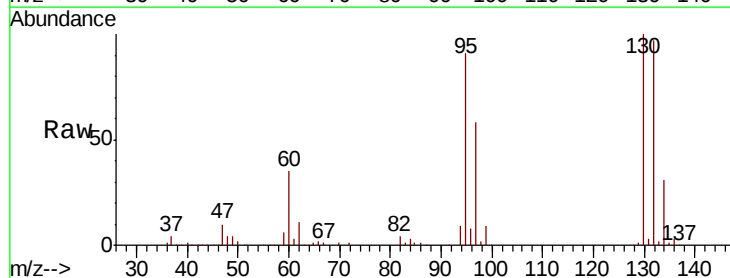
Tot Ion: 43 Resp: 254101
 Ion Ratio Lower Upper
 43 100
 61 22.7 14.6 21.8#
 87 16.3 8.7 13.1#

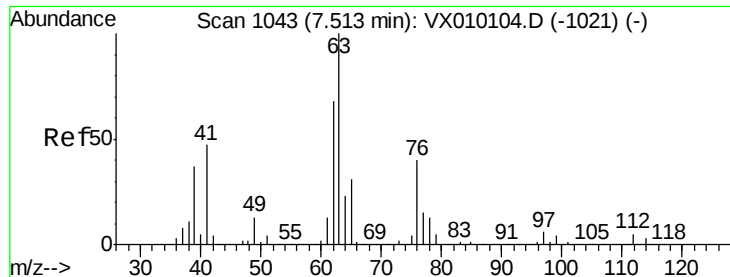


#44

Trichloroethene
 Concen: 49.529 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion:130 Resp: 137610
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 207.4





#45

1,2-Dichloropropane

Concen: 50.056 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

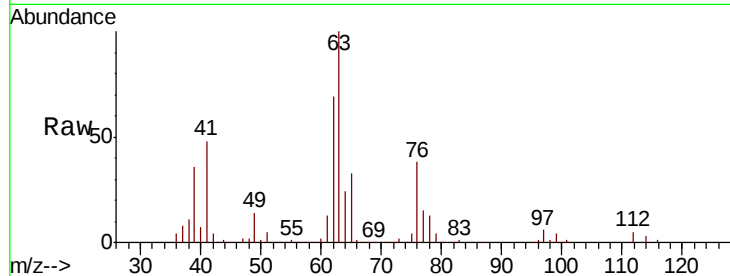
VSTDCCC050EC

Tot Ion: 63 Resp: 115481

Ion Ratio Lower Upper

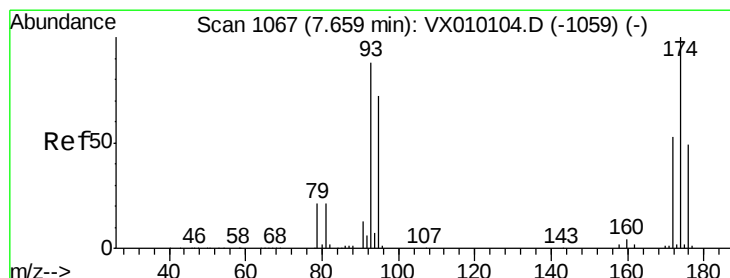
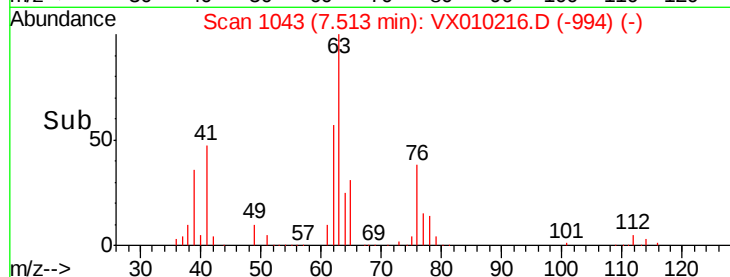
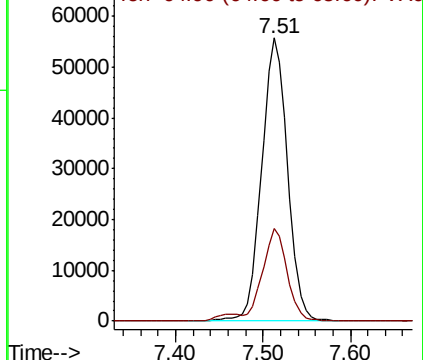
63 100

65 32.6 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.732 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

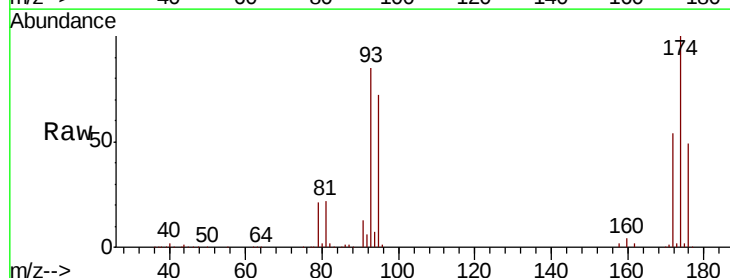
Tgt Ion: 93 Resp: 82498

Ion Ratio Lower Upper

93 100

95 84.5 66.8 100.2

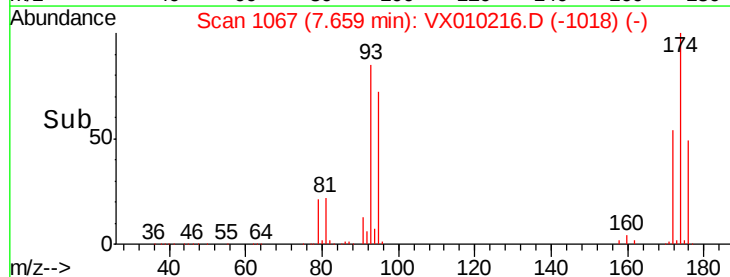
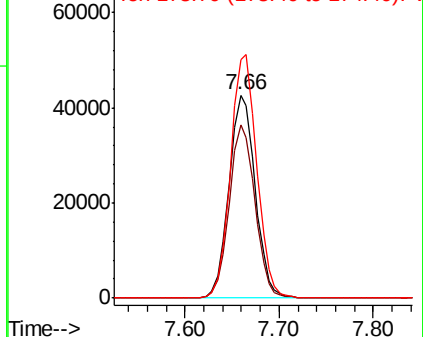
174 120.2 81.9 122.9



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: 48.562 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

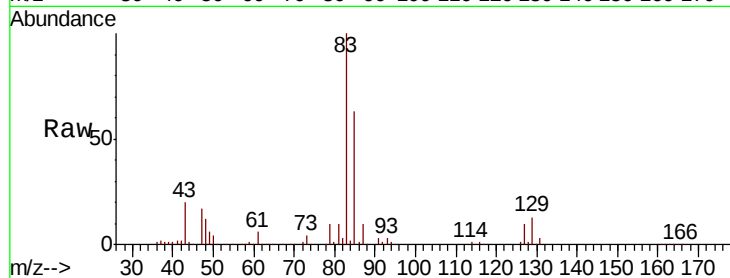
Tot Ion: 83 Resp: 156835

Ion Ratio Lower Upper

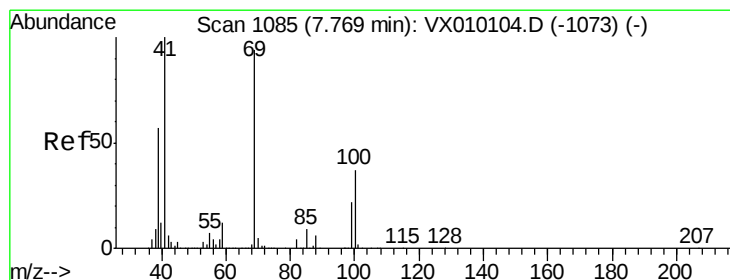
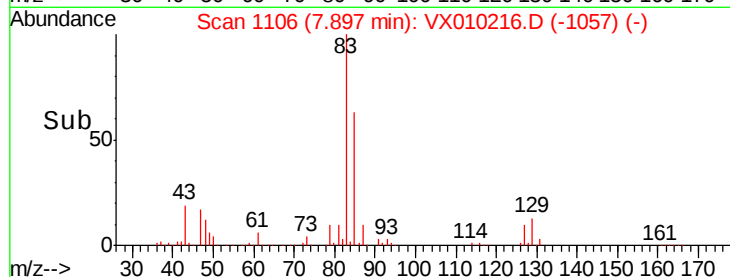
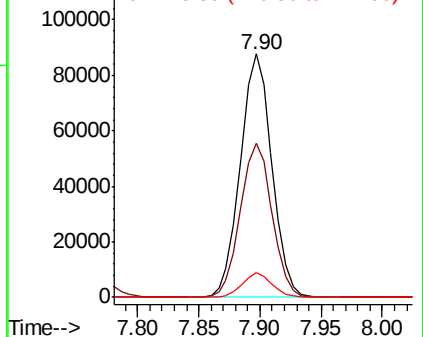
83 100

85 63.5 51.4 77.2

127 10.0 6.4 9.6#



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: 49.885 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

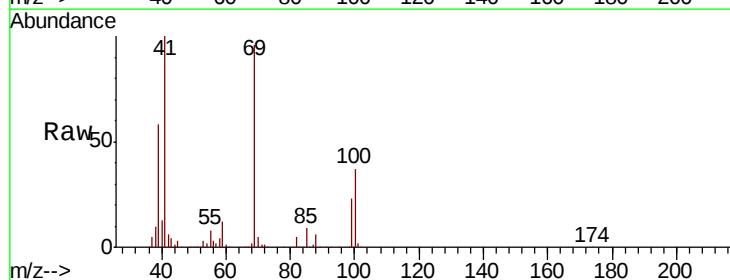
Tgt Ion: 41 Resp: 120980

Ion Ratio Lower Upper

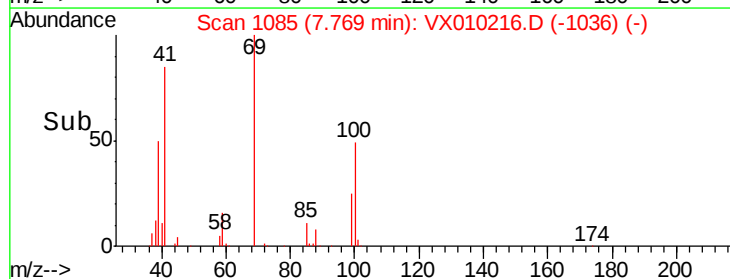
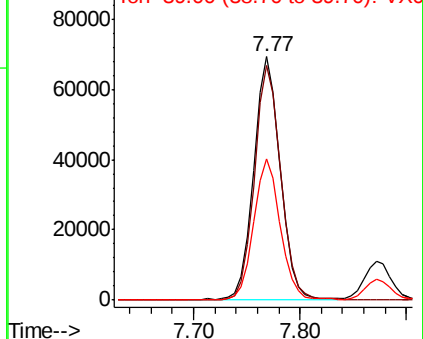
41 100

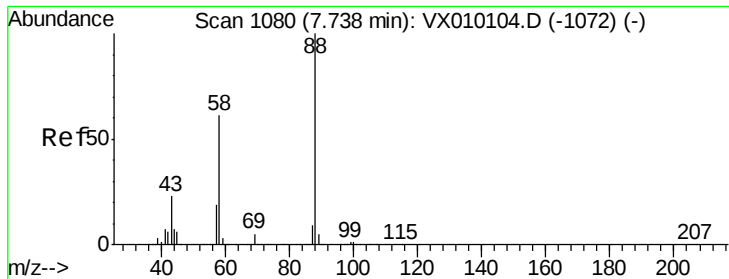
69 96.4 56.4 84.6#

39 57.8 40.6 60.8



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: 981.366 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

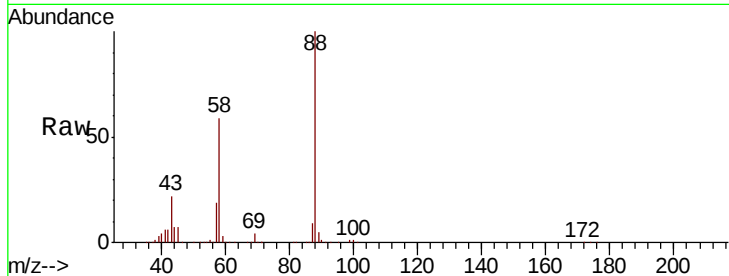
Tot Ion: 88 Resp: 67856

Ion Ratio Lower Upper

88 100

43 24.8 30.2 45.4#

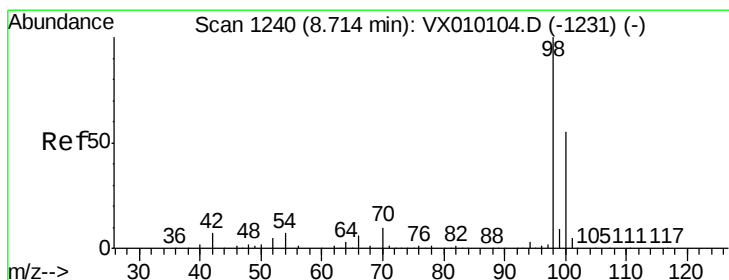
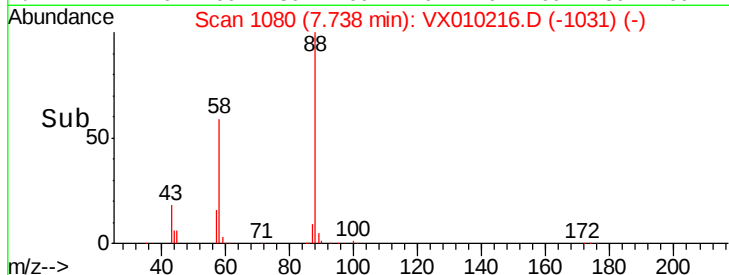
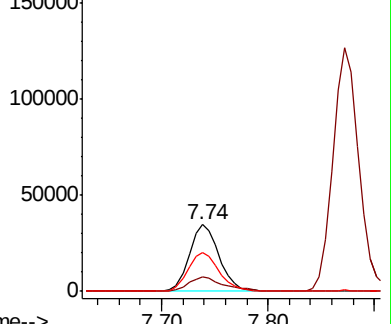
58 60.9 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 55.106 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010216.D

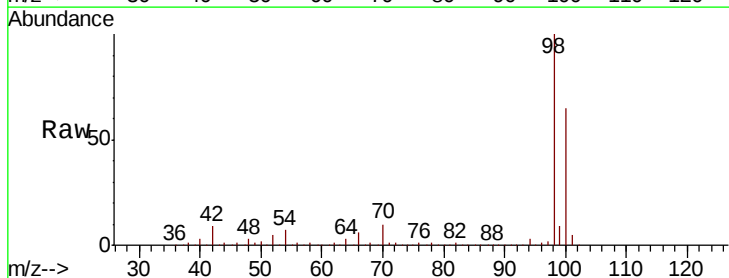
Acq: 11 Jun 2019 07:20

Tgt Ion: 98 Resp: 465447

Ion Ratio Lower Upper

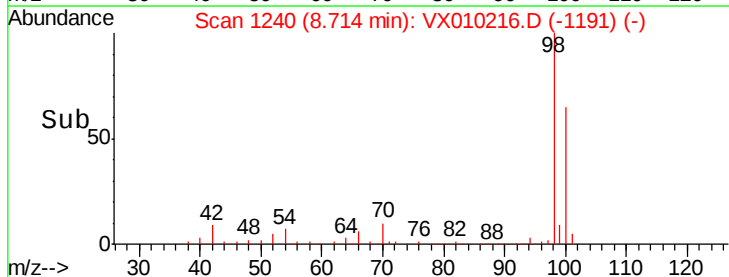
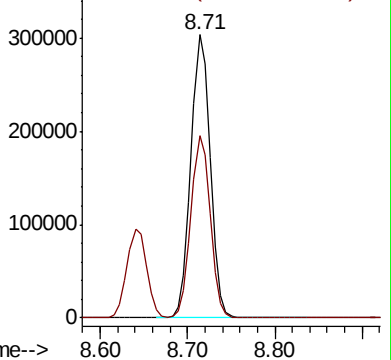
98 100

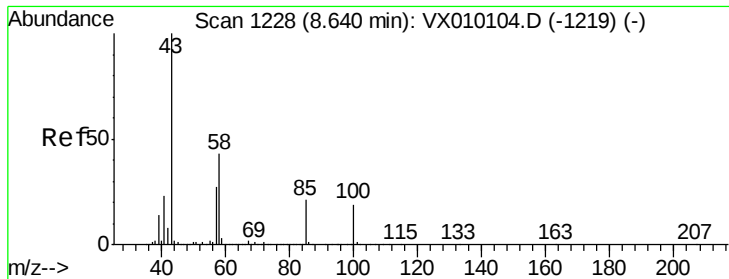
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 261.481 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

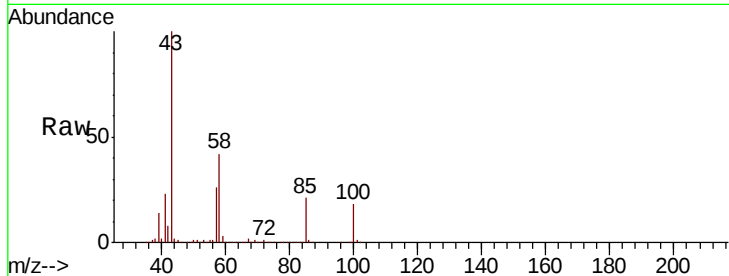
VSTDCCC050EC

Tot Ion: 43 Resp: 810039

Ion Ratio Lower Upper

43 100

58 42.0 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

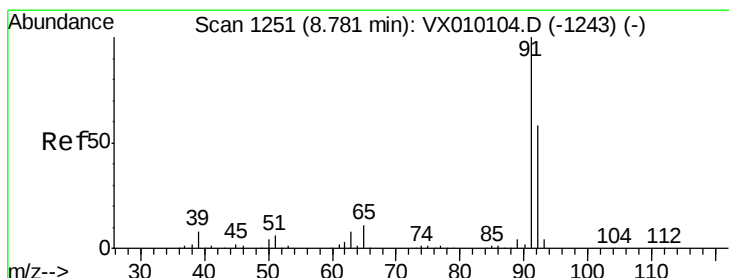
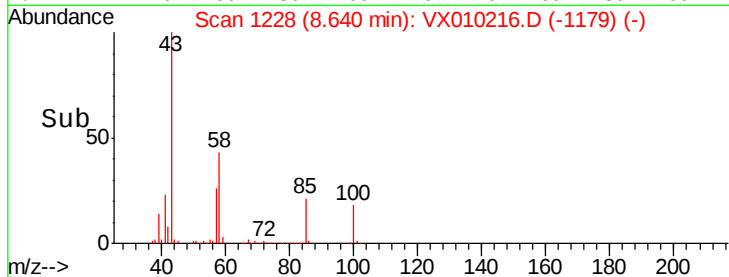
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 50.195 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010216.D

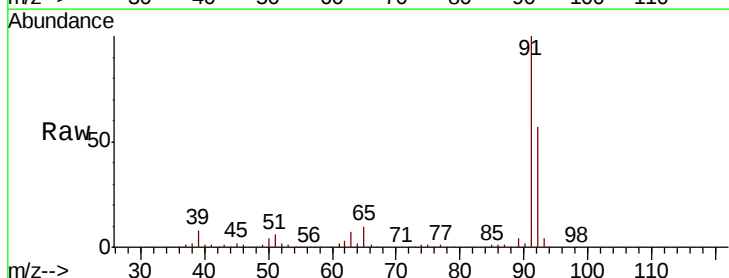
Acq: 11 Jun 2019 07:20

Tgt Ion: 92 Resp: 304128

Ion Ratio Lower Upper

92 100

91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

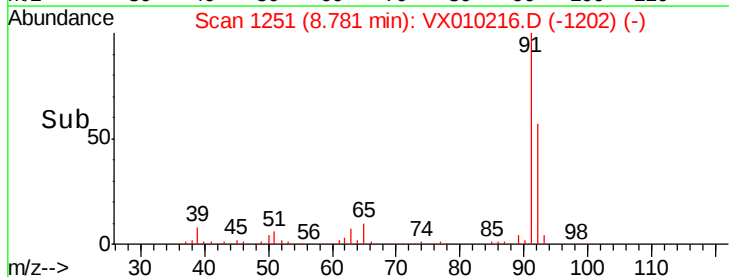
200000

100000

0

8.70 8.80 8.90

Time-->

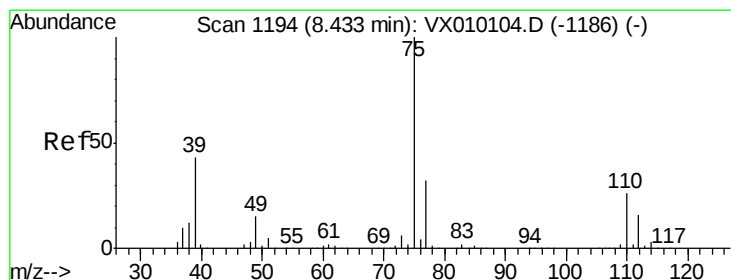
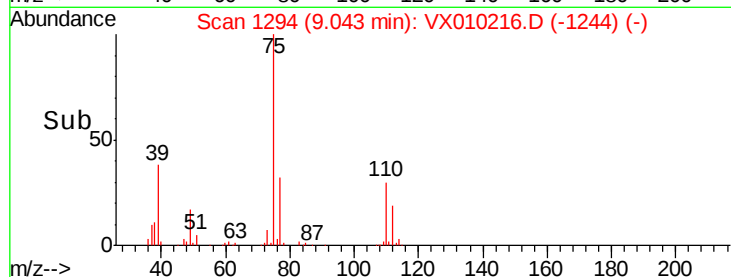
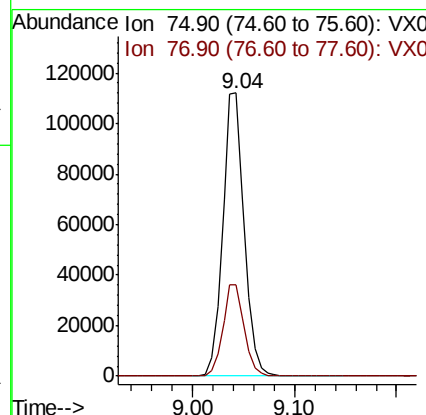
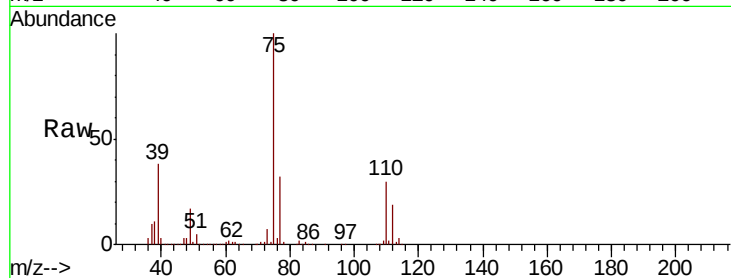




#53
t-1,3-Dichloropropene
Concen: 44.030 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

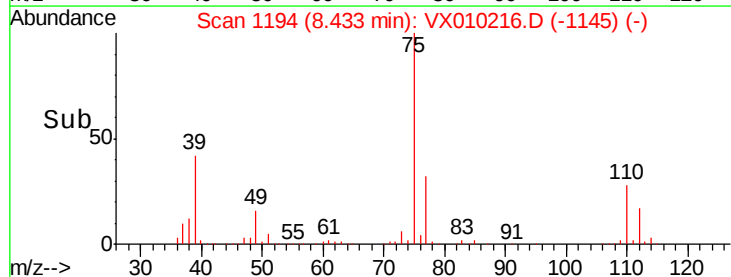
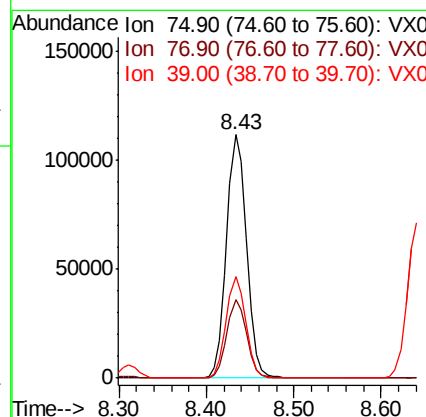
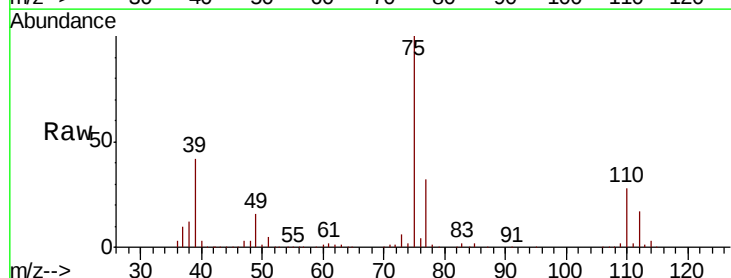
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 164481
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 44.359 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 75 Resp: 177647
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 41.5 43.4 65.0#

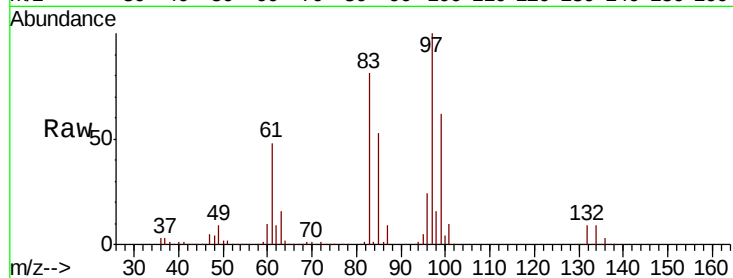




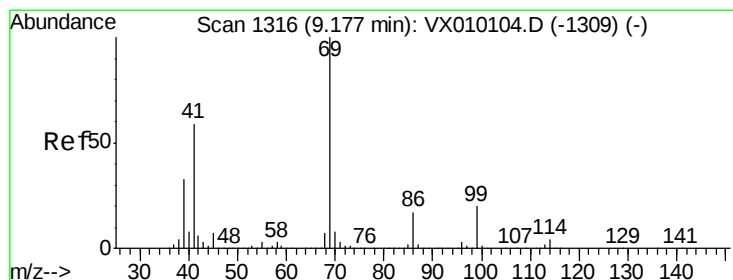
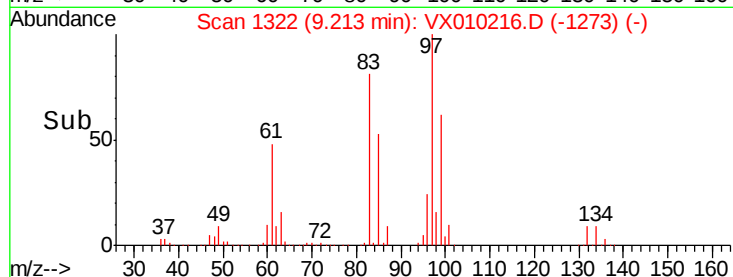
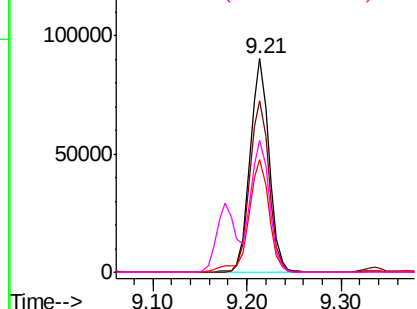
#55
 1,1,2-Trichloroethane
 Concen: 51.442 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 127648
 Ion Ratio Lower Upper
 97 100
 83 80.5 69.8 104.8
 85 52.6 45.3 67.9
 99 61.7 49.0 73.4

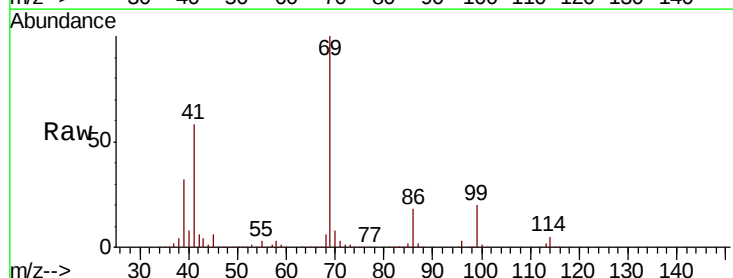


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

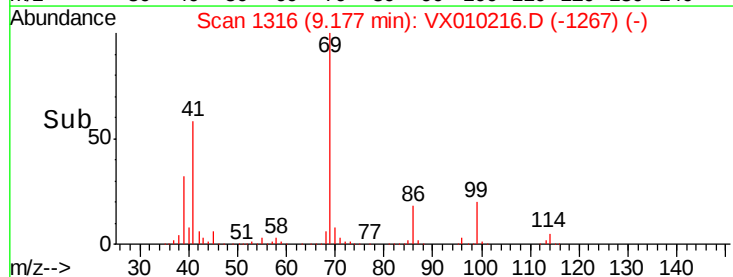
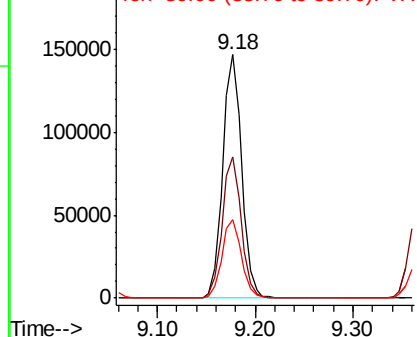


#56
 Ethyl methacrylate
 Concen: 50.441 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion: 69 Resp: 197716
 Ion Ratio Lower Upper
 69 100
 41 58.1 62.7 94.1#
 39 32.6 29.5 44.3



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





#57

1,3-Dichloropropane

Concen: 50.036 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

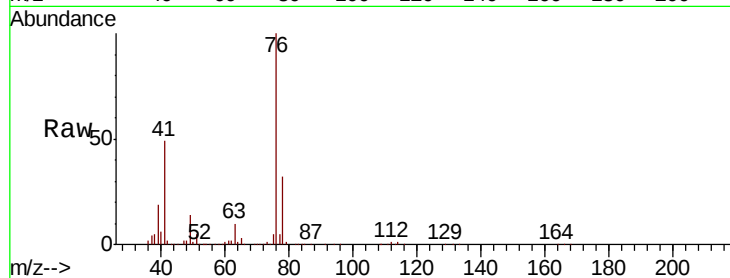
VSTDCCC050EC

Tot Ion: 76 Resp: 195468

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

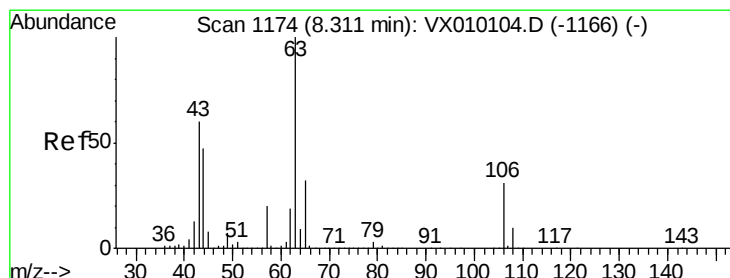
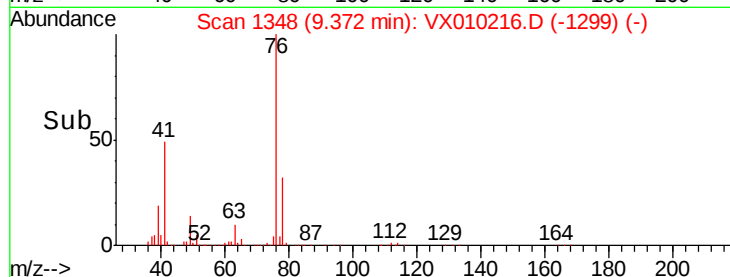
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.844 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010216.D

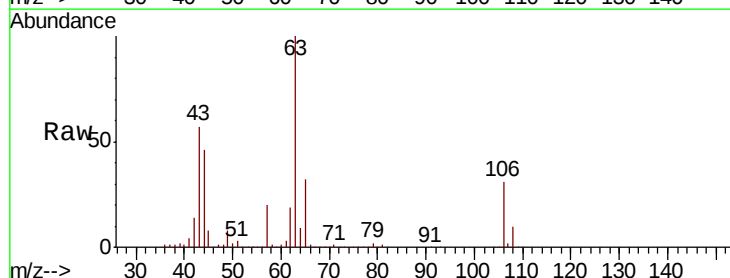
Acq: 11 Jun 2019 07:20

Tgt Ion: 63 Resp: 456134

Ion Ratio Lower Upper

63 100

106 31.1 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

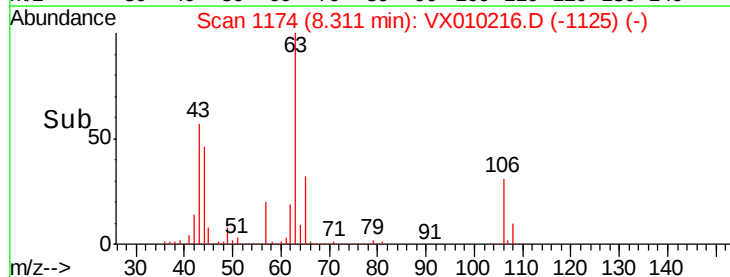
200000

100000

0

8.20 8.25 8.30 8.35 8.40

Time-->

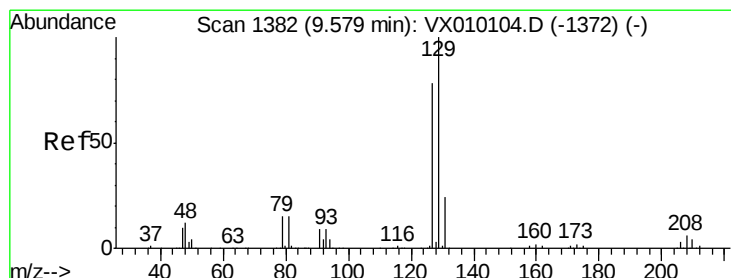
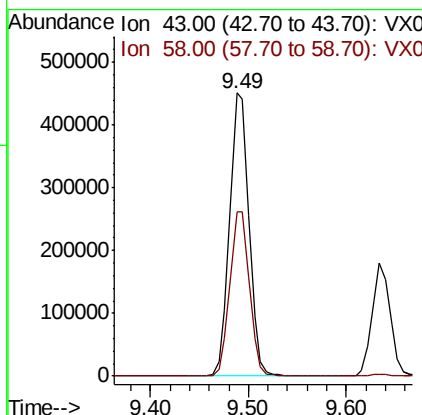
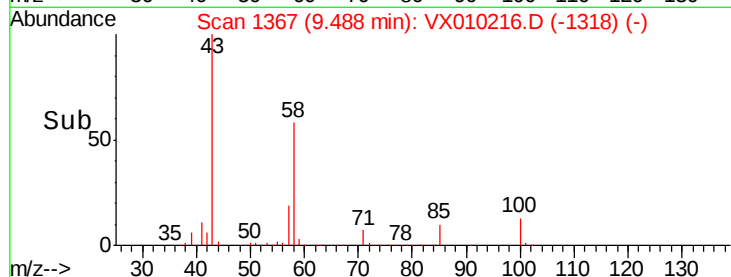
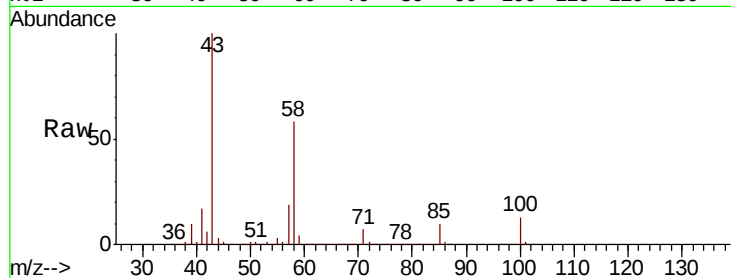




#59
2-Hexanone
Concen: 251.000 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

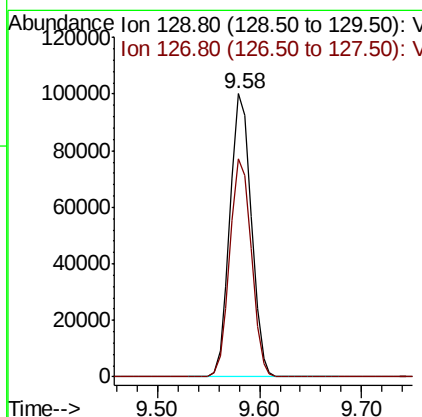
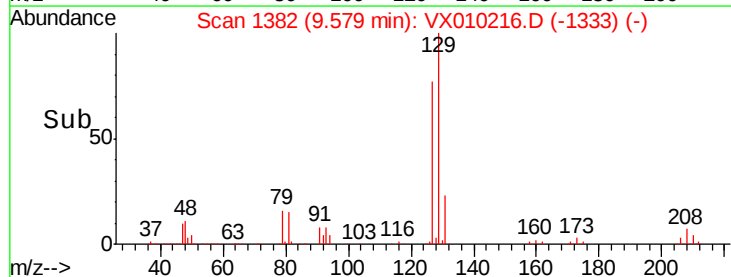
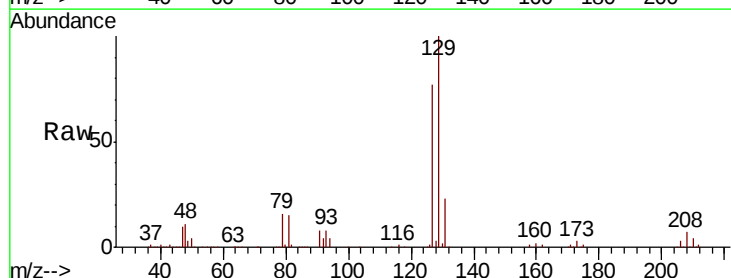
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

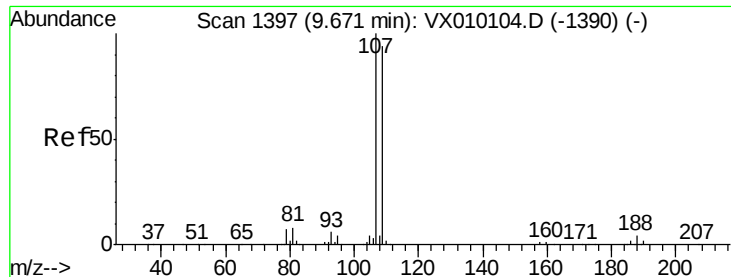
Tot Ion: 43 Resp: 619966
Ion Ratio Lower Upper
43 100
58 59.0 25.1 75.3



#60
Dibromochloromethane
Concen: 49.428 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 129 Resp: 145076
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.423 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

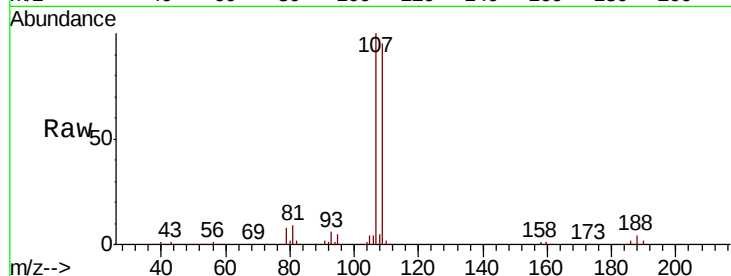
VSTDCCC050EC

Tot Ion:107 Resp: 136589

Ion Ratio Lower Upper

107 100

109 95.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

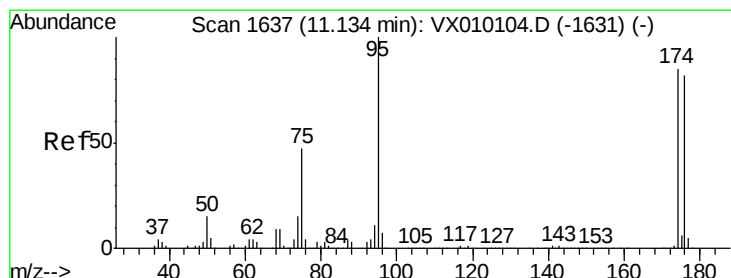
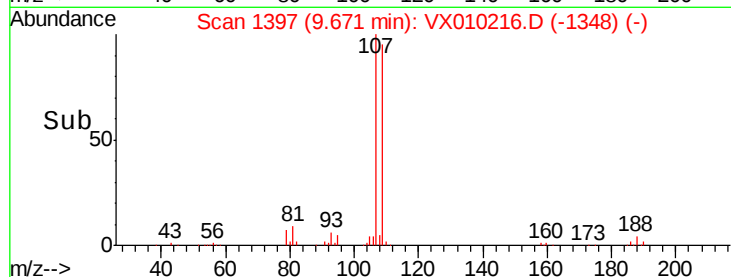
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 53.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

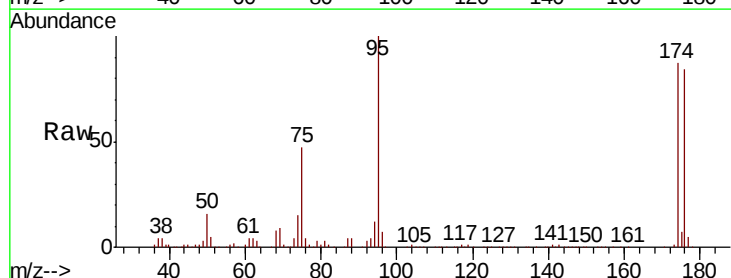
Tgt Ion: 95 Resp: 168577

Ion Ratio Lower Upper

95 100

174 92.4 0.0 160.4

176 89.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

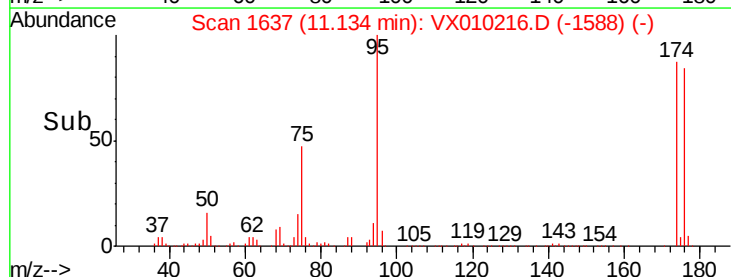
110000

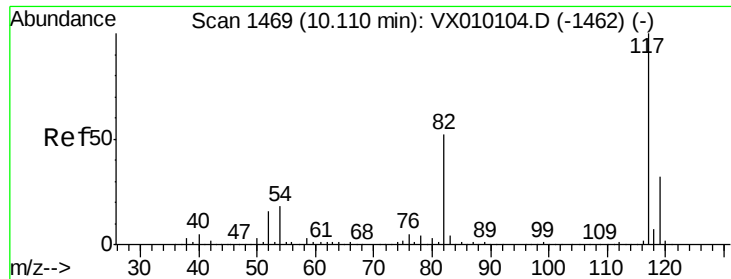
50000

0

11.10 11.13 11.16 11.19 11.22

Time-->

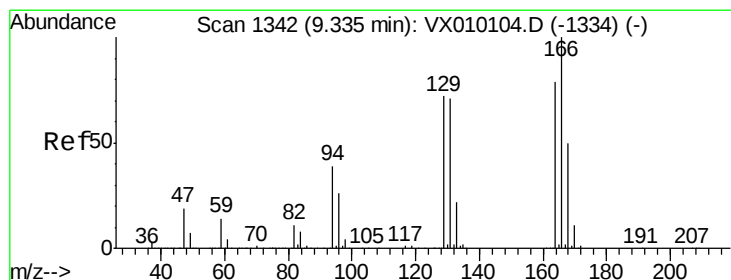
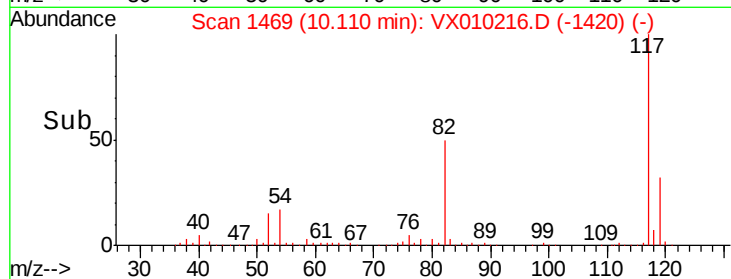
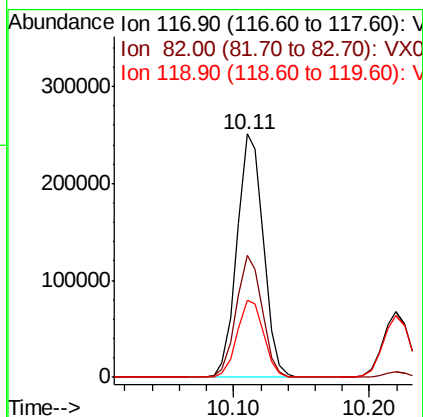
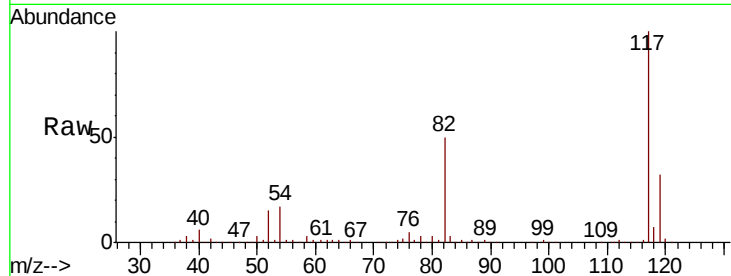




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

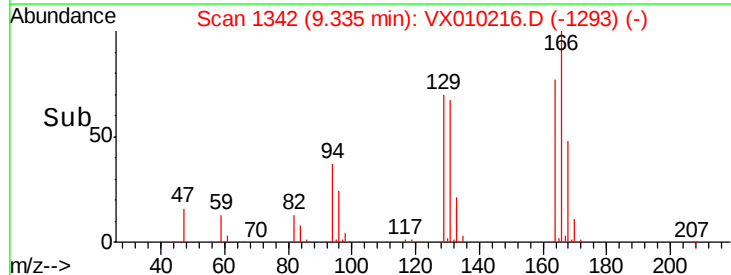
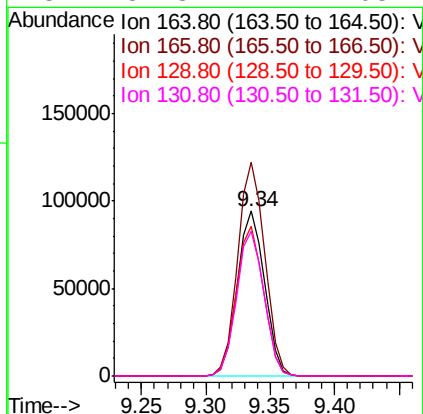
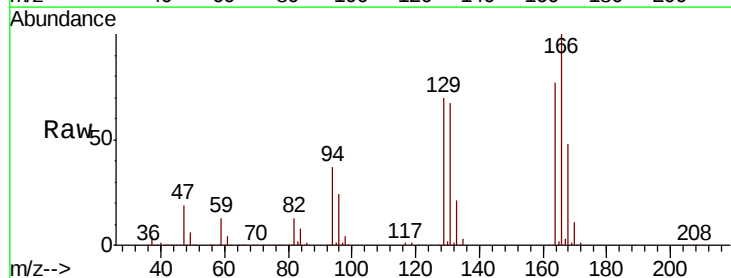
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

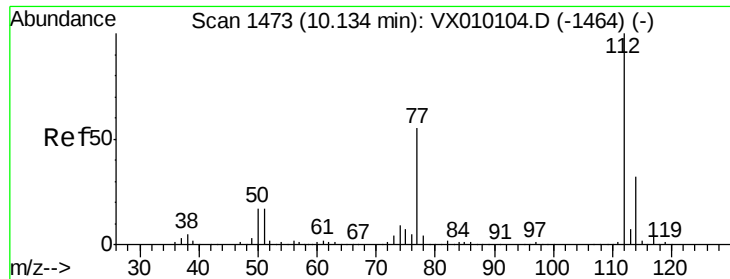
Tot Ion:117 Resp: 338498
Ion Ratio Lower Upper
117 100
82 50.0 49.2 73.8
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 55.097 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion:164 Resp: 138519
Ion Ratio Lower Upper
164 100
166 129.4 105.0 157.4
129 90.4 75.1 112.7
131 87.3 72.2 108.4

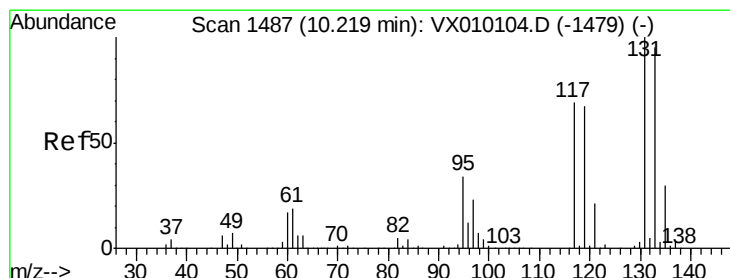
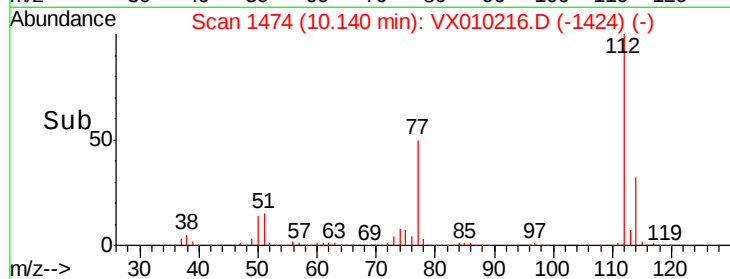
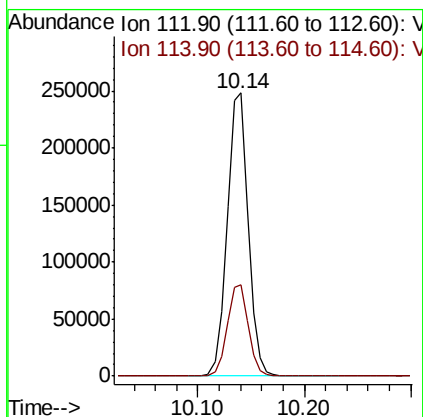
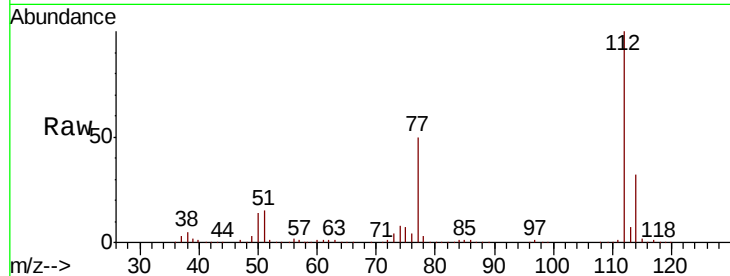




#65
Chlorobenzene
Concen: 48.990 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

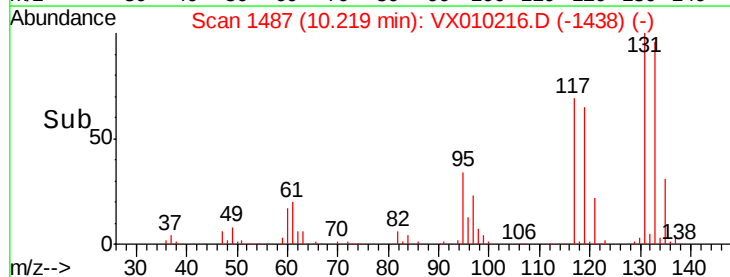
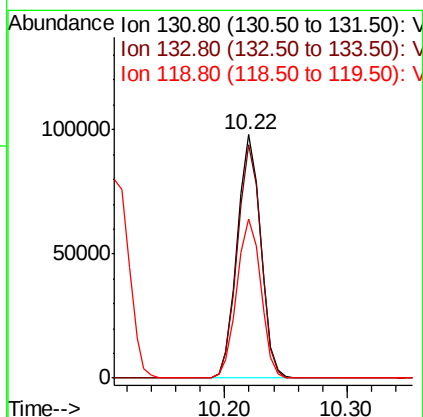
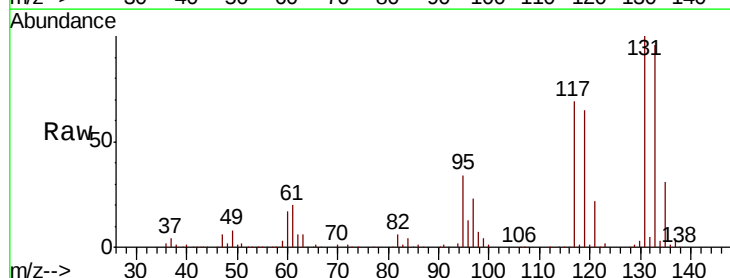
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

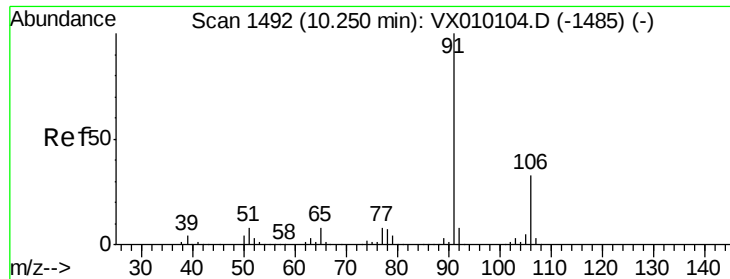
Tot Ion:112 Resp: 342258
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.539 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion:131 Resp: 130408
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.9 33.4 100.1

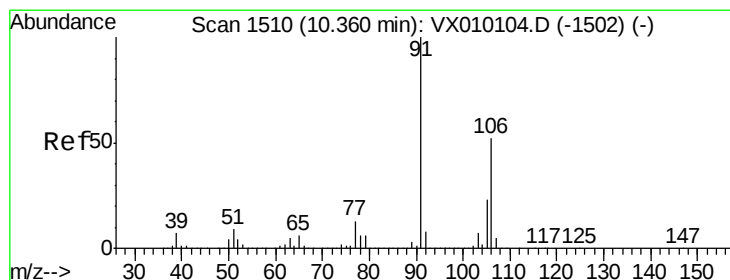
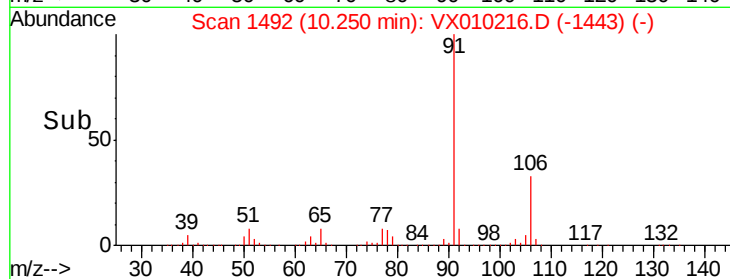
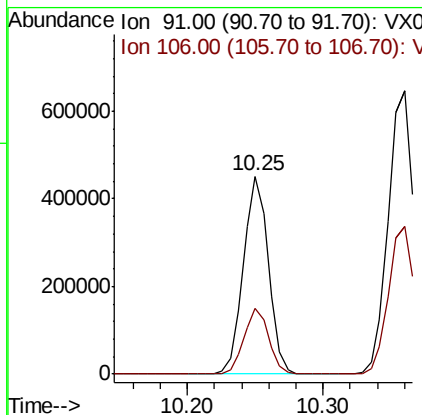
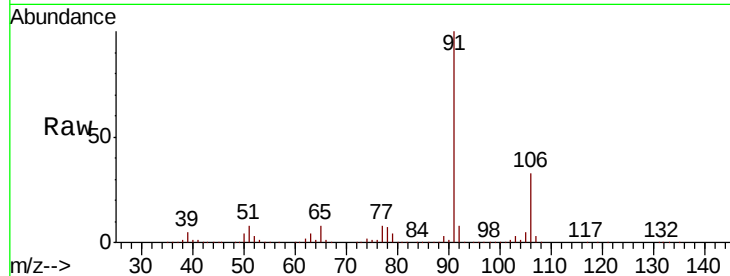




#67
Ethyl Benzene
Concen: 48.622 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

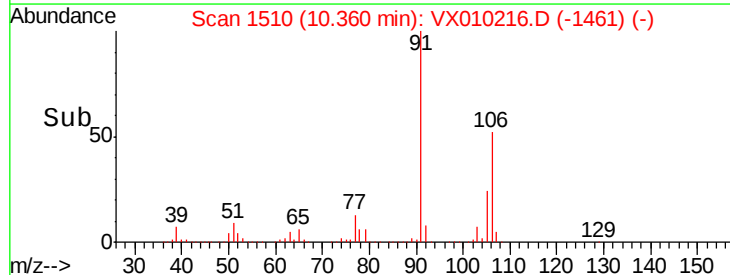
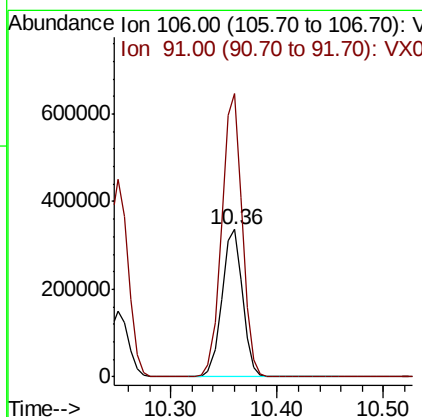
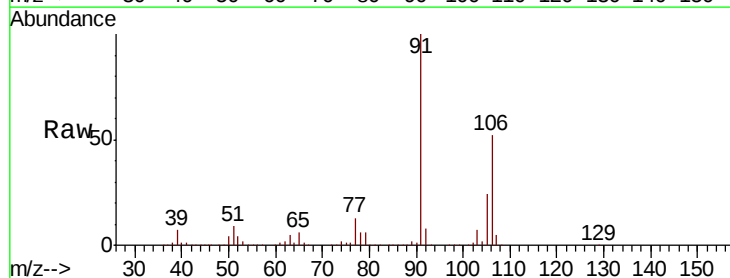
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

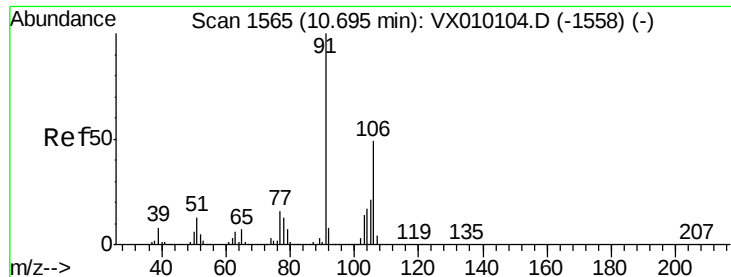
Tot Ion: 91 Resp: 578274
Ion Ratio Lower Upper
91 100
106 33.5 23.9 35.9



#68
m/p-Xylenes
Concen: 98.615 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 106 Resp: 453856
Ion Ratio Lower Upper
106 100
91 191.0 167.3 250.9

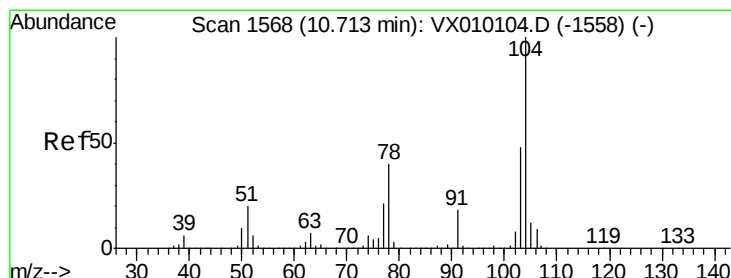
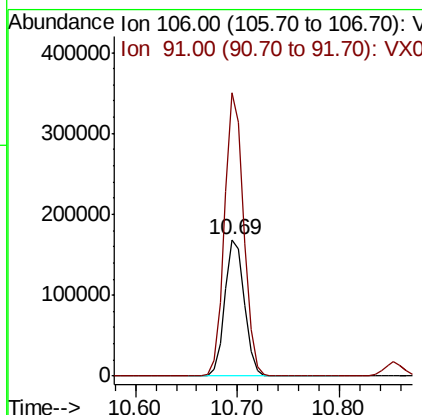
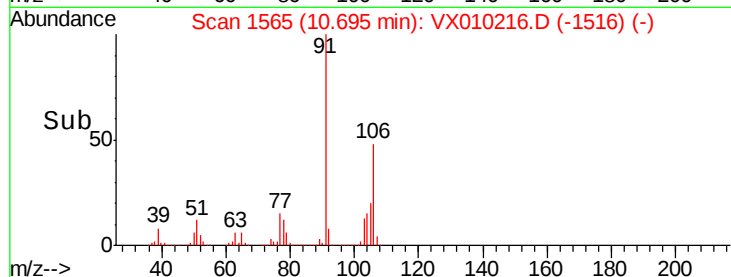
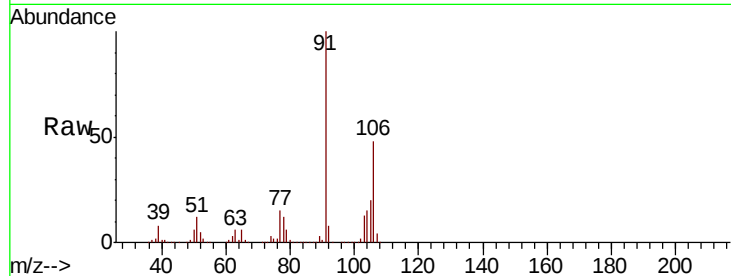




#69
o-Xylene
Concen: 49.064 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

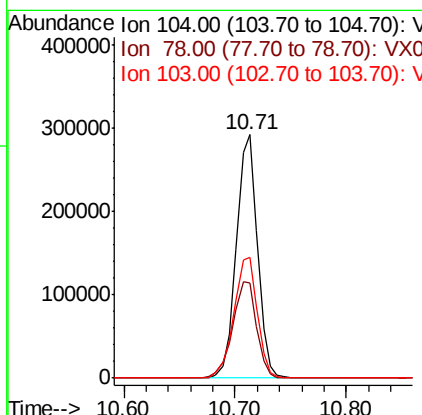
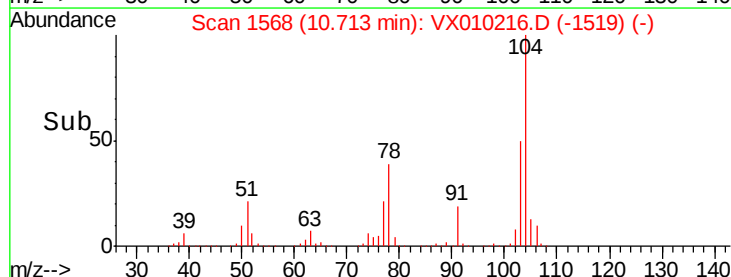
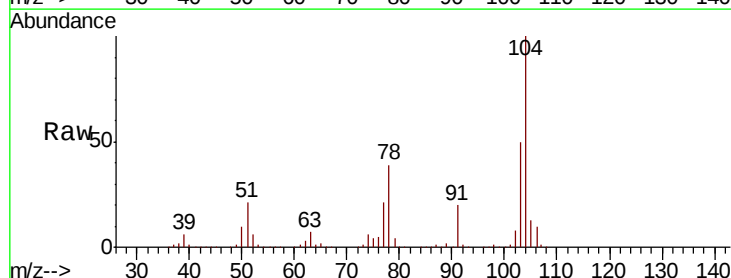
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

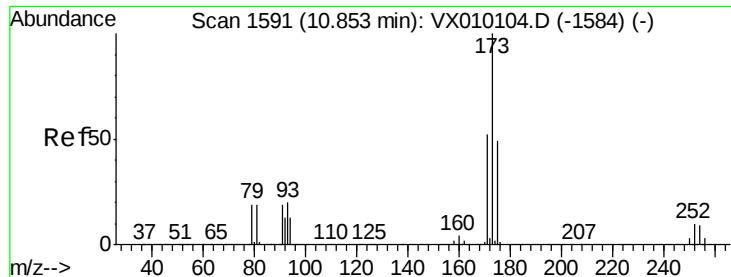
Tot Ion:106 Resp: 224463
Ion Ratio Lower Upper
106 100
91 202.2 110.4 331.2



#70
Styrene
Concen: 49.307 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion:104 Resp: 382048
Ion Ratio Lower Upper
104 100
78 45.2 42.1 63.1
103 55.3 44.1 66.1





#71

Bromoform

Concen: 48.401 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

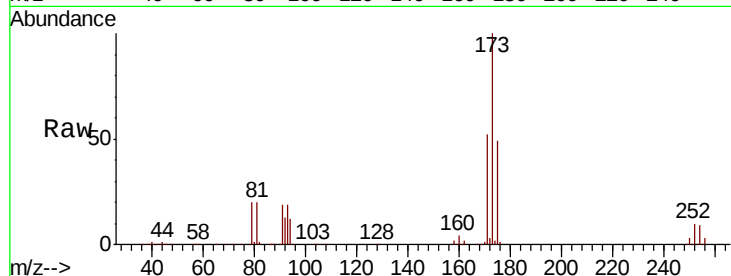
Tot Ion:173 Resp: 119546

Ion Ratio Lower Upper

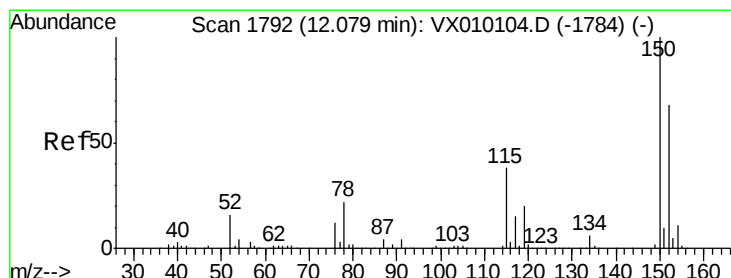
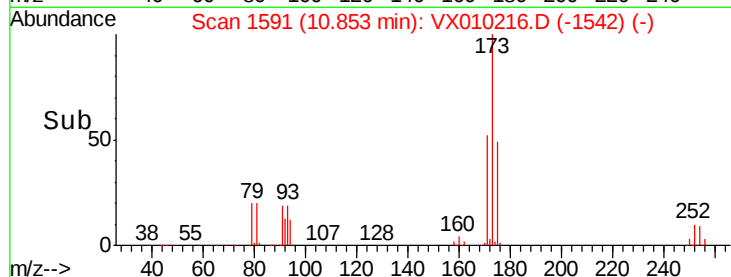
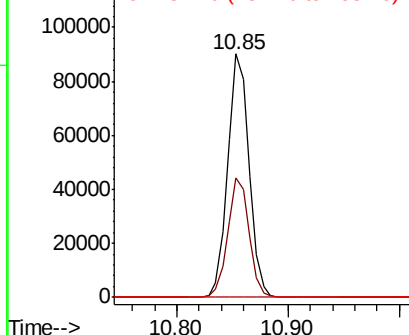
173 100

175 48.7 25.0 75.0

254 0.1 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: VX010216.D

Acq: 11 Jun 2019 07:20

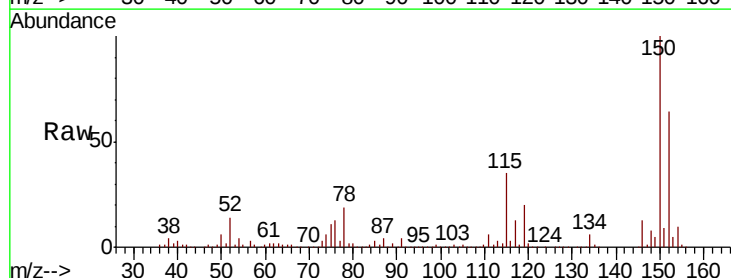
Tgt Ion:152 Resp: 170185

Ion Ratio Lower Upper

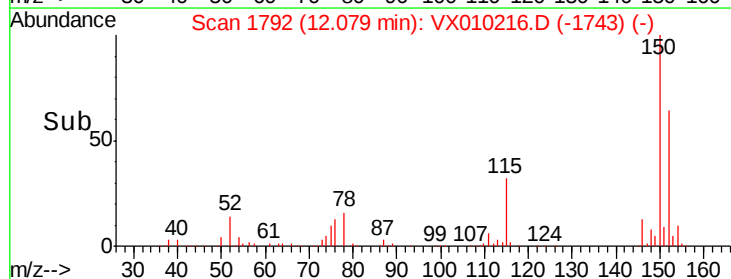
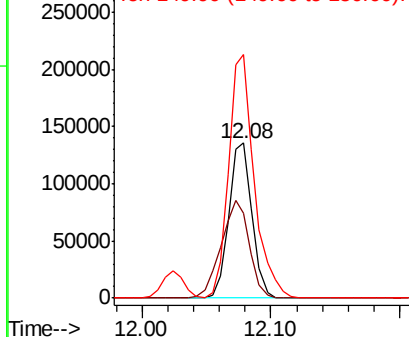
152 100

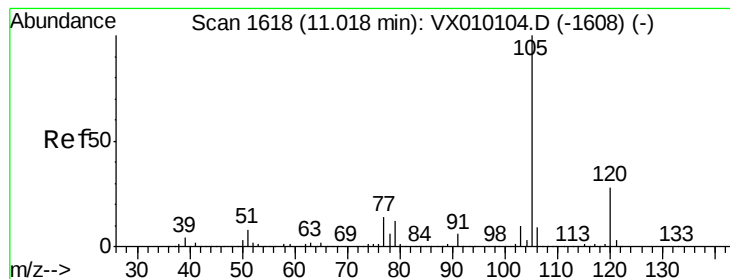
115 76.9 41.4 124.2

150 172.8 0.0 345.2



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





#73

Isopropylbenzene

Concen: 48.865 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

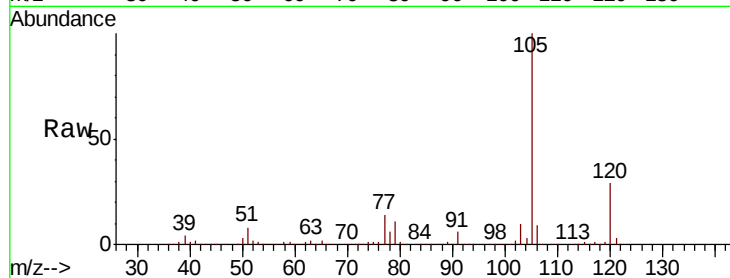
VSTDCCC050EC

Tot Ion:105 Resp: 580522

Ion Ratio Lower Upper

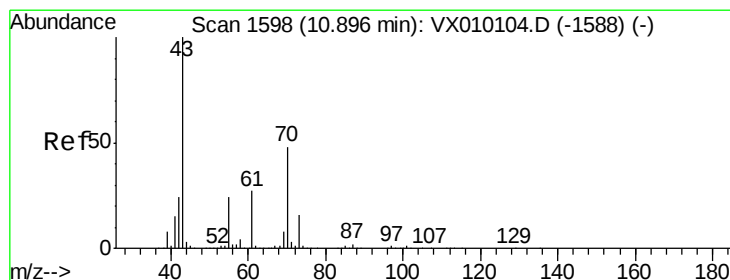
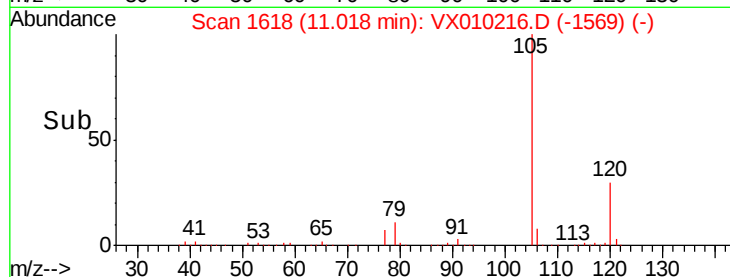
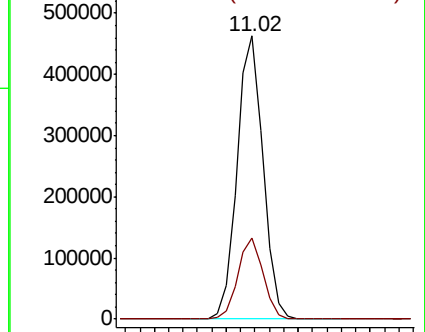
105 100

120 28.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.278 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion: 43 Resp: 231417

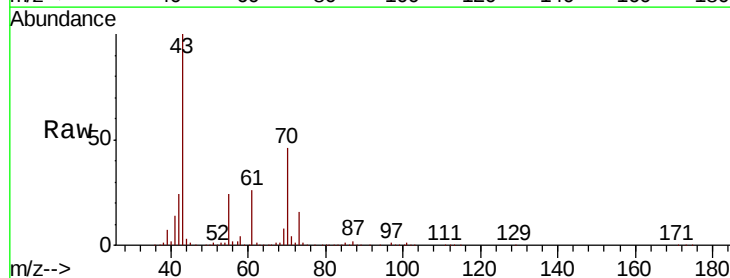
Ion Ratio Lower Upper

43 100

70 46.2 28.6 43.0#

55 23.9 17.8 26.8

61 26.3 17.7 26.5

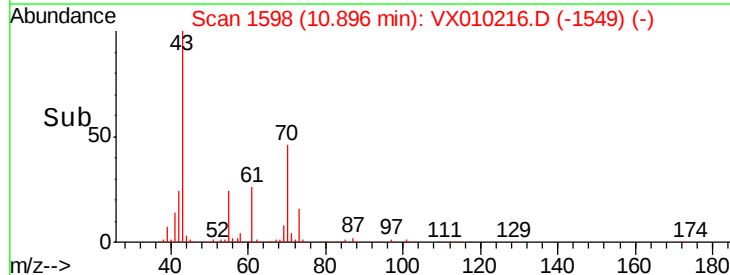
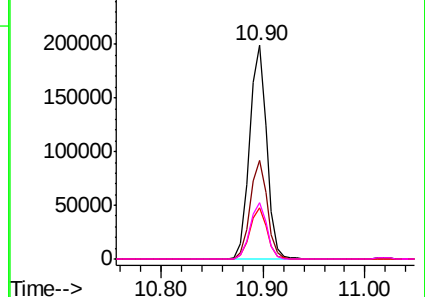


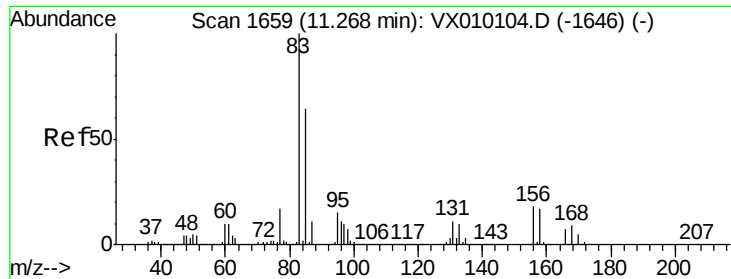
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.007 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

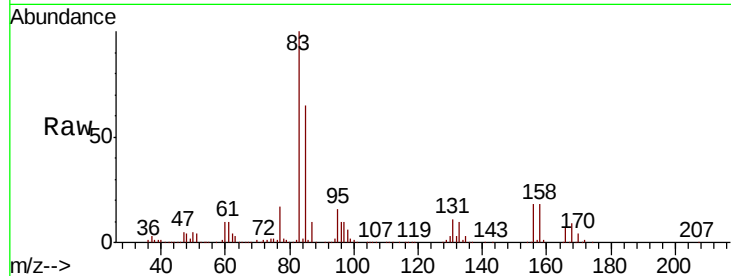
Tot Ion: 83 Resp: 199293

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

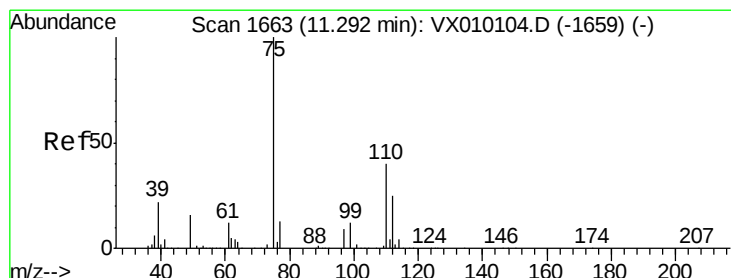
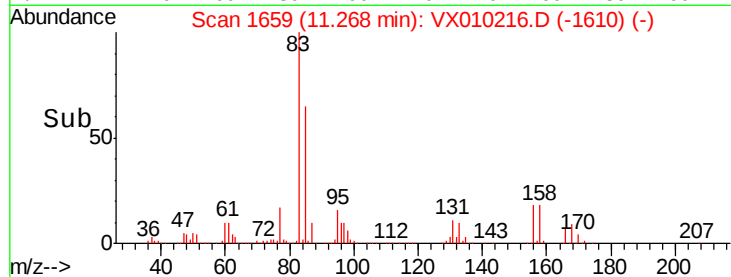
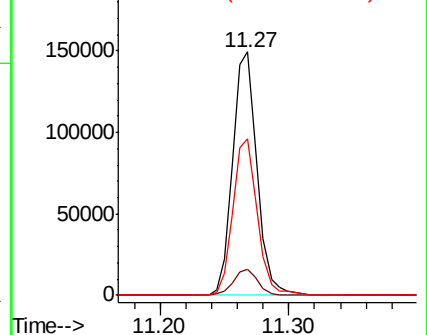
85 64.5 31.9 95.9



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: 63.271 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010216.D

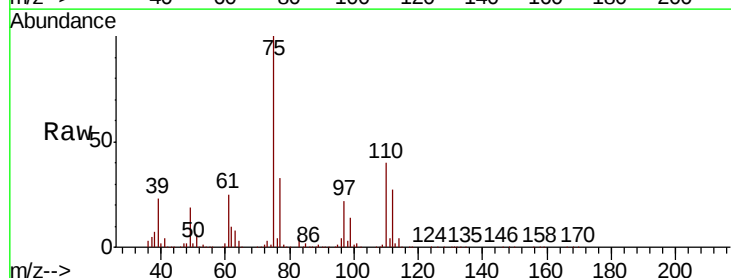
Acq: 11 Jun 2019 07:20

Tgt Ion: 75 Resp: 215377

Ion Ratio Lower Upper

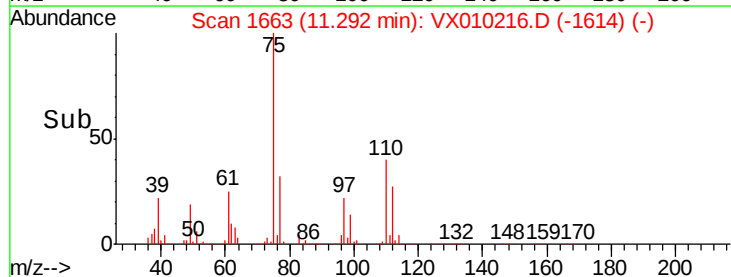
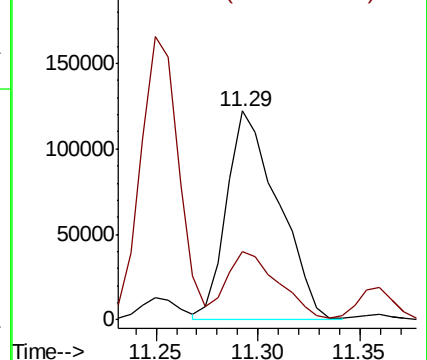
75 100

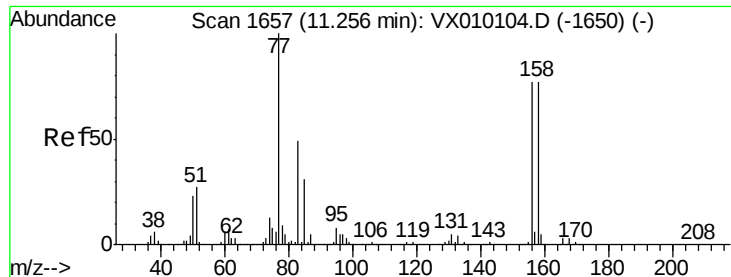
77 32.8 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.471 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

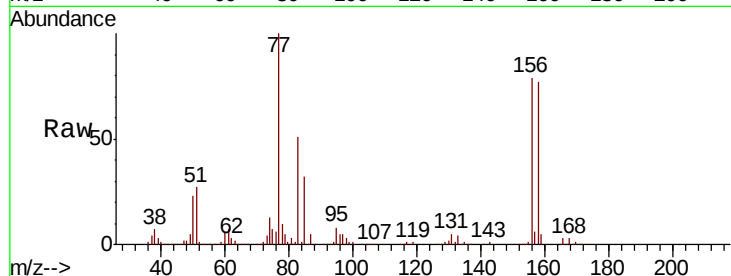
Tot Ion:156 Resp: 161618

Ion Ratio Lower Upper

156 100

77 132.7 86.8 260.3

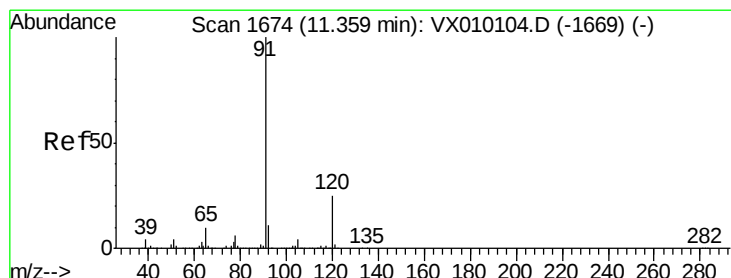
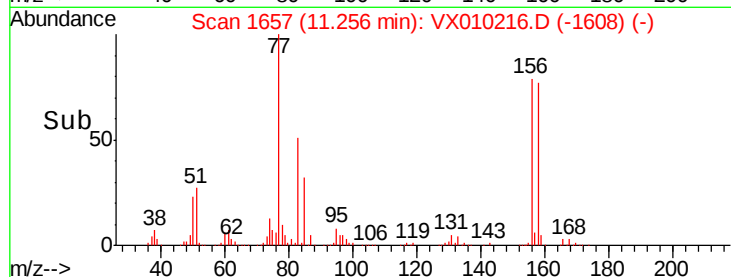
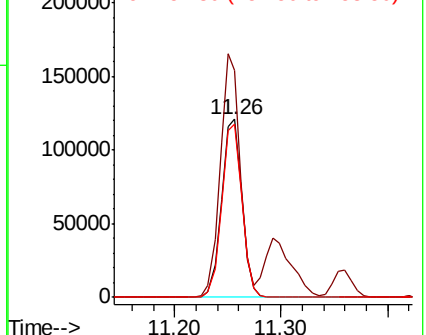
158 97.3 49.6 148.8



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: 48.573 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010216.D

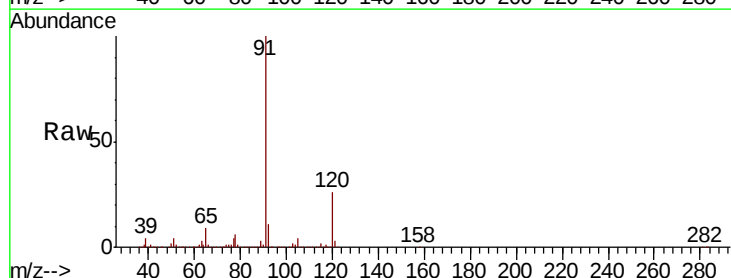
Acq: 11 Jun 2019 07:20

Tgt Ion: 91 Resp: 642424

Ion Ratio Lower Upper

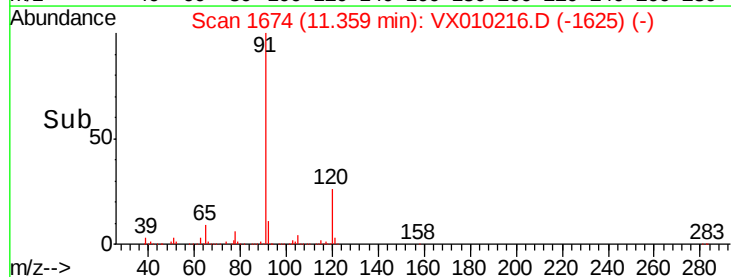
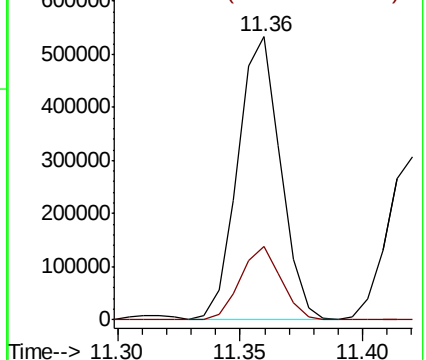
91 100

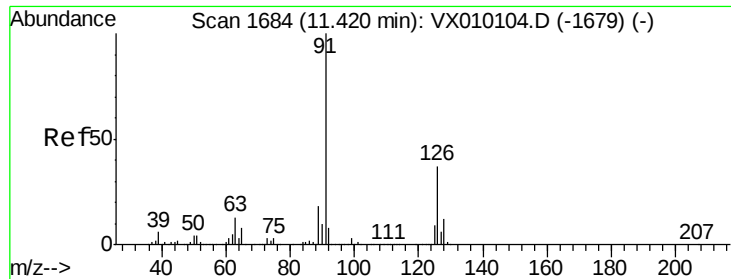
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

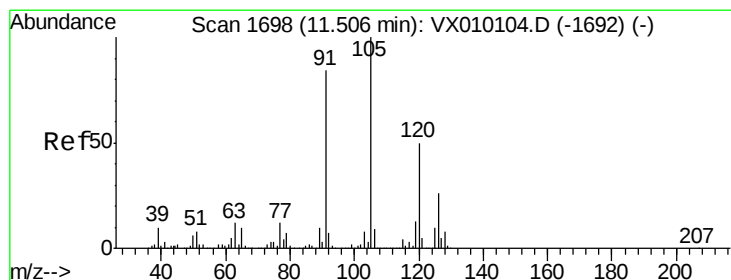
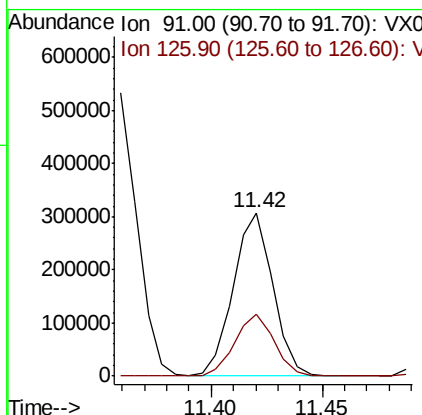
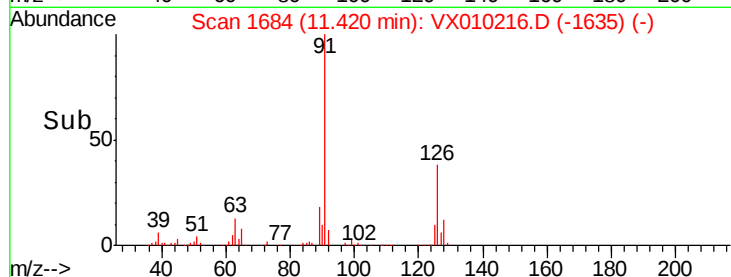
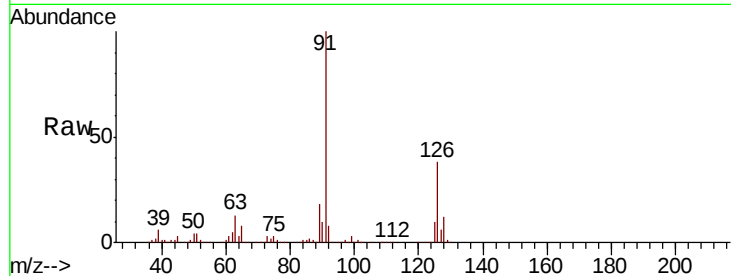




#79
2-Chlorotoluene
Concen: 47.756 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

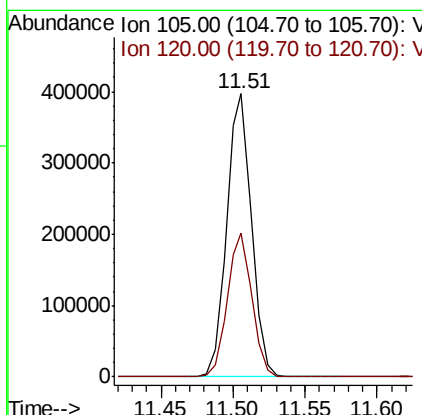
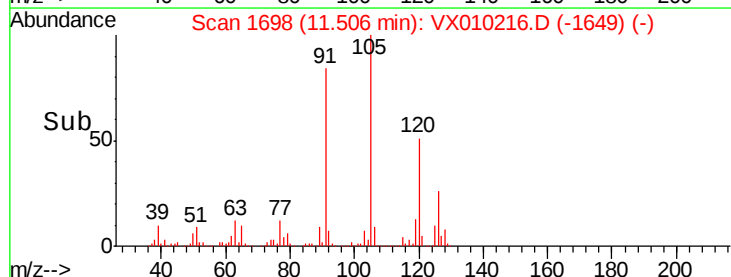
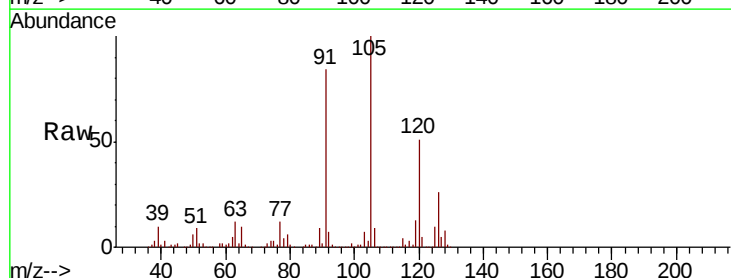
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

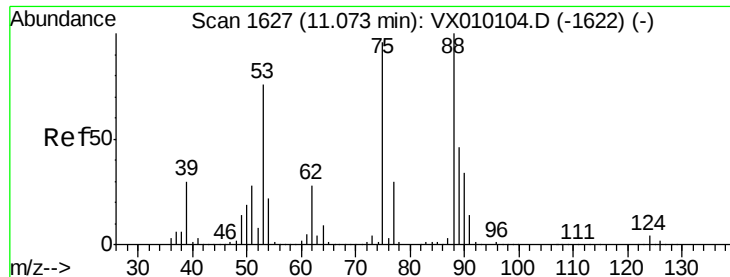
Tot Ion: 91 Resp: 379347
Ion Ratio Lower Upper
91 100
126 37.8 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 48.110 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 105 Resp: 481399
Ion Ratio Lower Upper
105 100
120 50.4 24.1 72.3

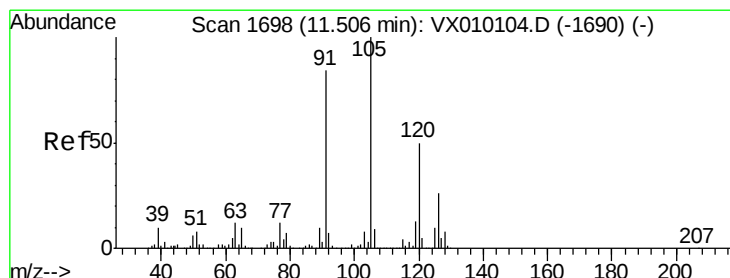
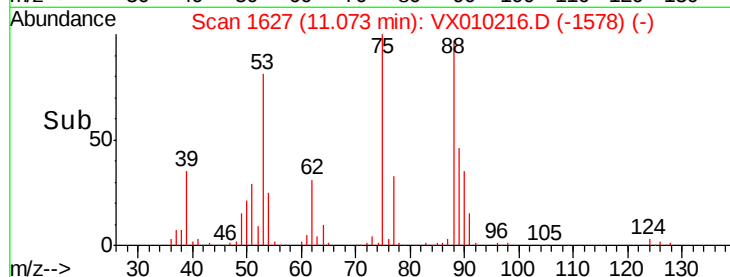
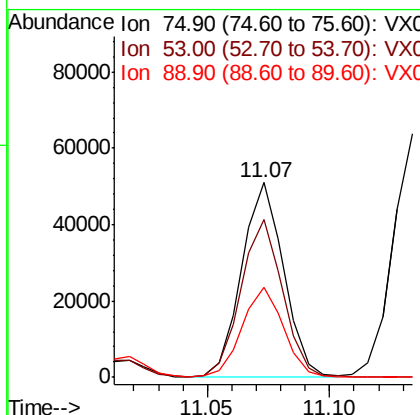
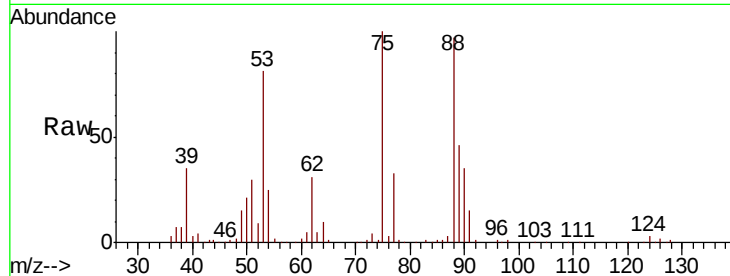




#81
trans-1,4-Dichloro-2-butene
Concen: 39.256 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

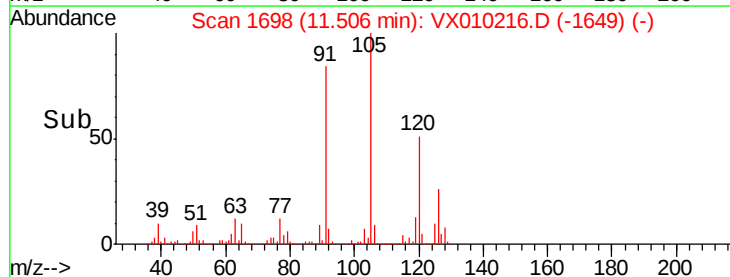
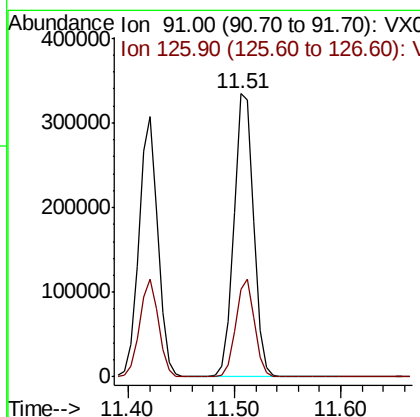
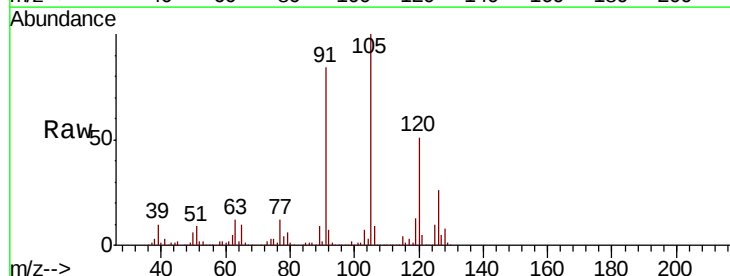
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

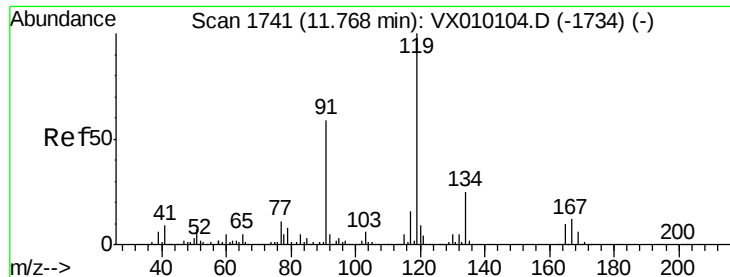
Tot Ion: 75 Resp: 60481
Ion Ratio Lower Upper
75 100
53 81.8 79.8 119.6
89 46.5 34.2 51.4



#82
4-Chlorotoluene
Concen: 48.267 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 91 Resp: 435538
Ion Ratio Lower Upper
91 100
126 32.8 14.2 42.6

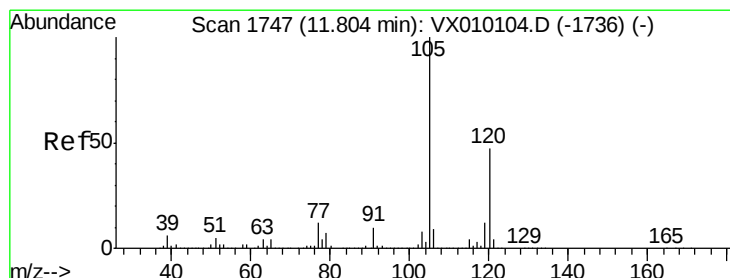
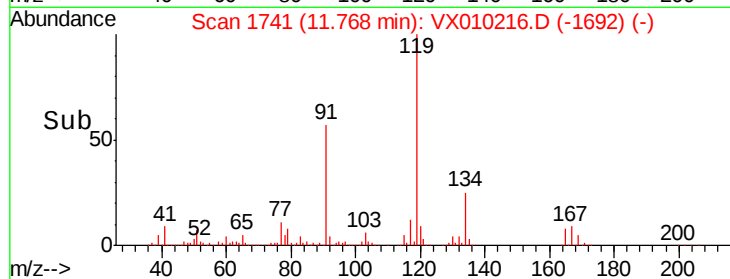
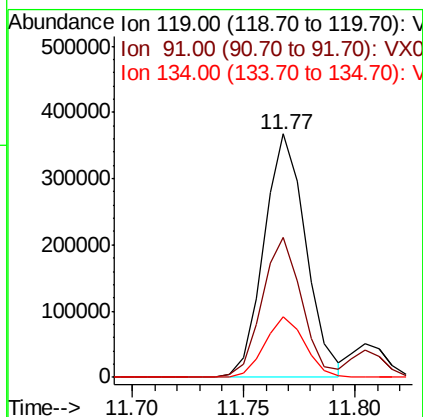
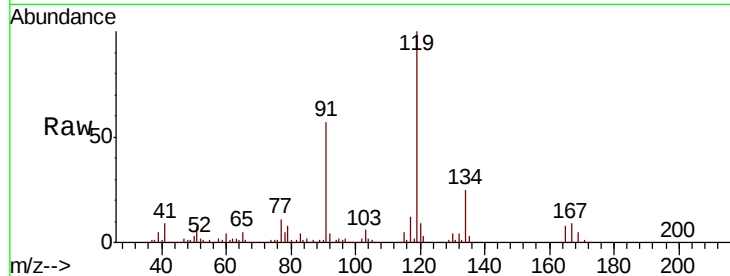




#83
tert-Butylbenzene
Concen: 47.402 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

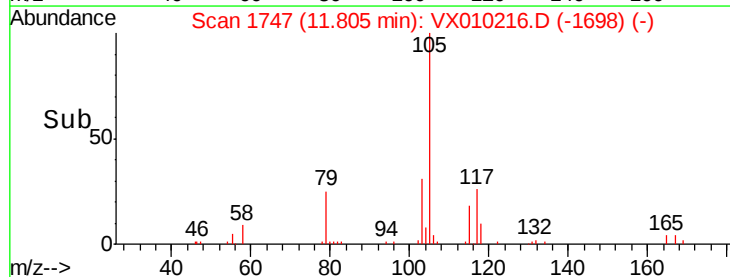
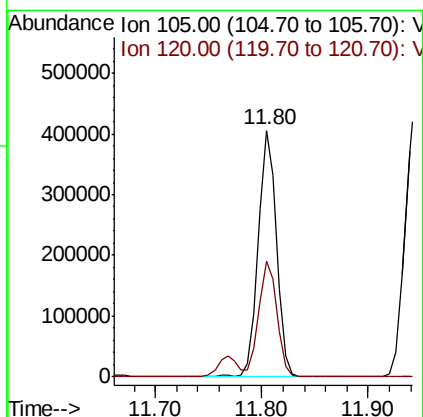
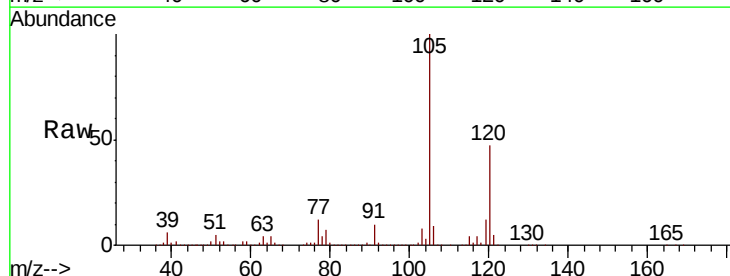
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

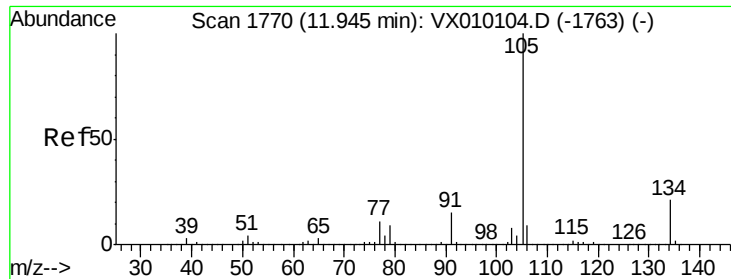
Tot Ion:119 Resp: 480071
Ion Ratio Lower Upper
119 100
91 54.9 30.0 90.0
134 23.5 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 48.328 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion:105 Resp: 488454
Ion Ratio Lower Upper
105 100
120 47.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 48.133 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

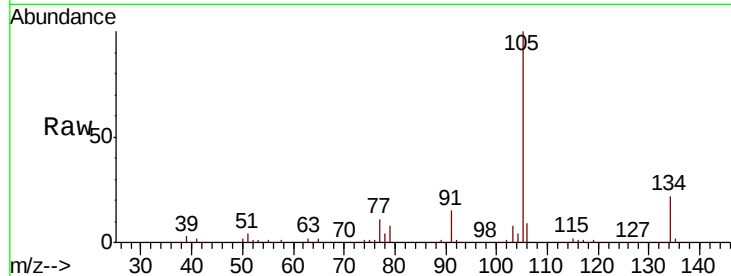
VSTDCCC050EC

Tot Ion:105 Resp: 567923

Ion Ratio Lower Upper

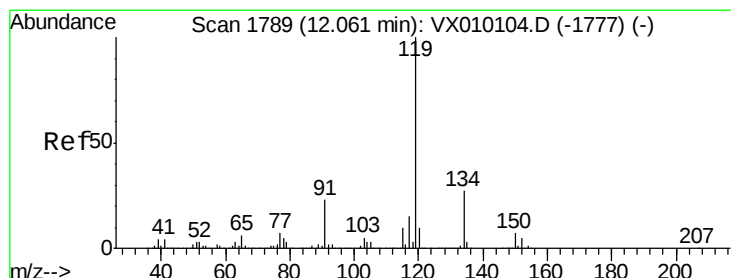
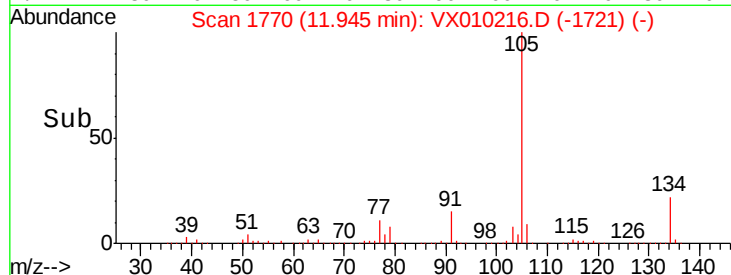
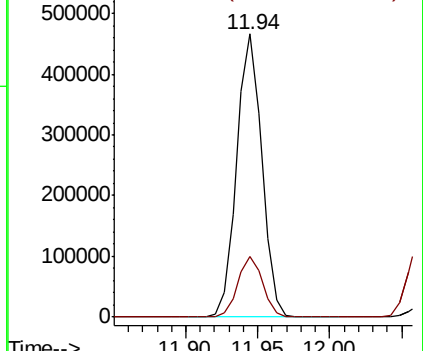
105 100

134 21.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.319 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

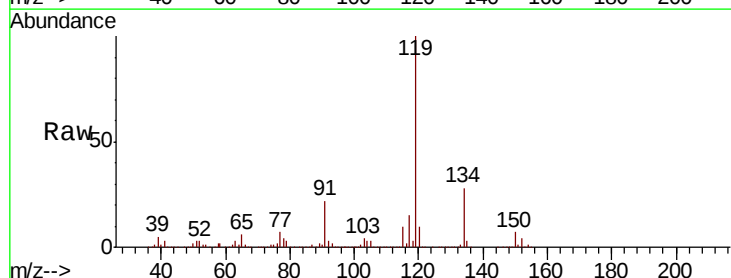
Tgt Ion:119 Resp: 521198

Ion Ratio Lower Upper

119 100

134 27.8 12.9 38.6

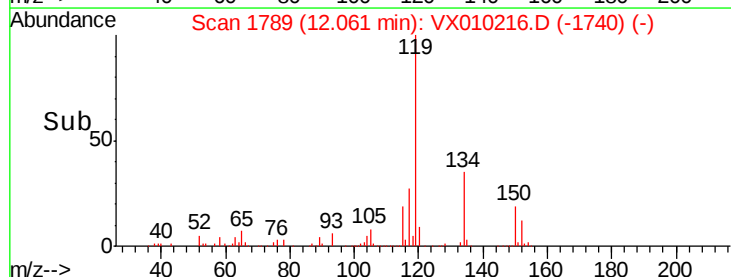
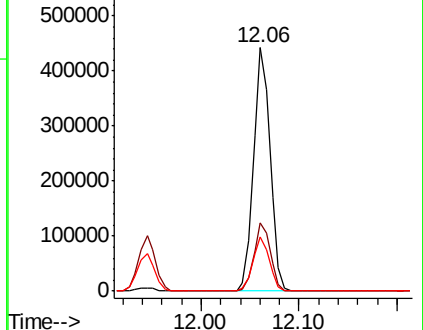
91 22.0 11.9 35.9

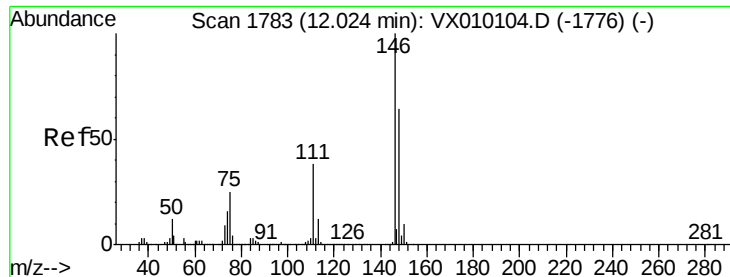


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.933 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

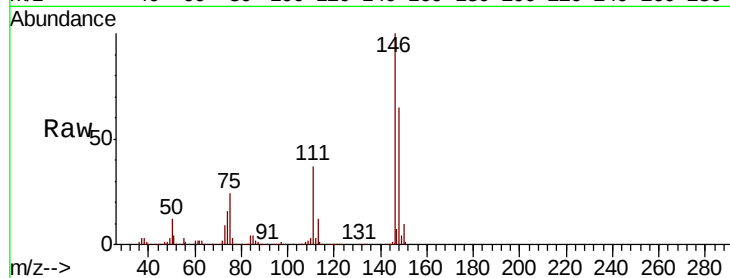
Tot Ion:146 Resp: 281581

Ion Ratio Lower Upper

146 100

111 37.3 20.1 60.2

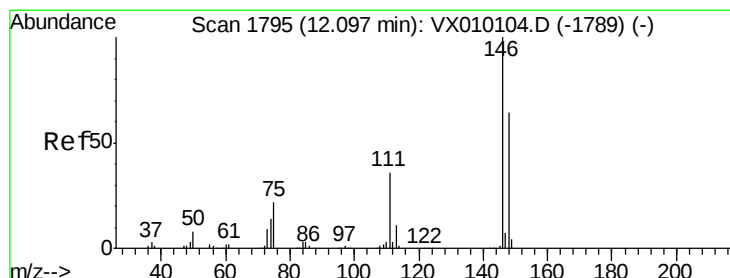
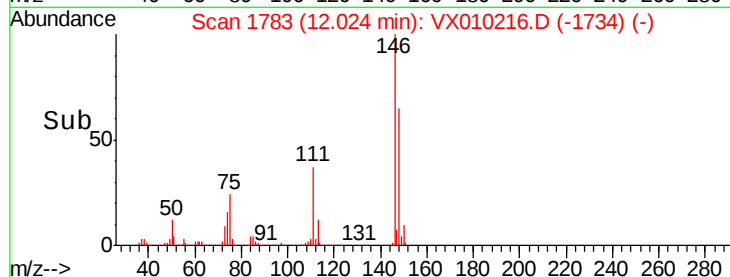
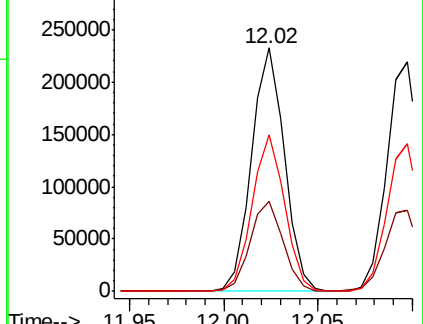
148 63.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.890 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

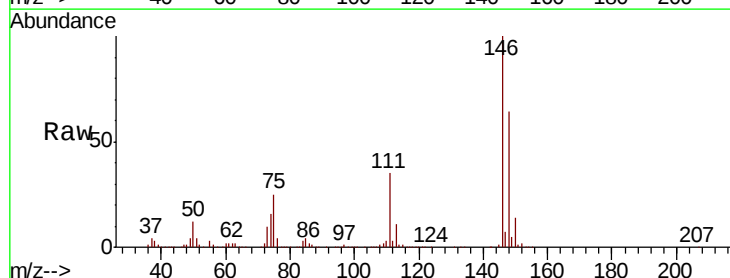
Tgt Ion:146 Resp: 277806

Ion Ratio Lower Upper

146 100

111 36.2 20.0 59.9

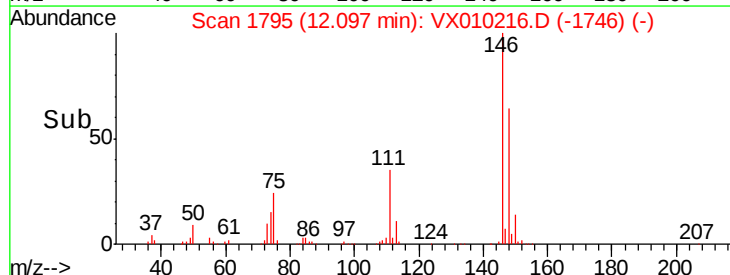
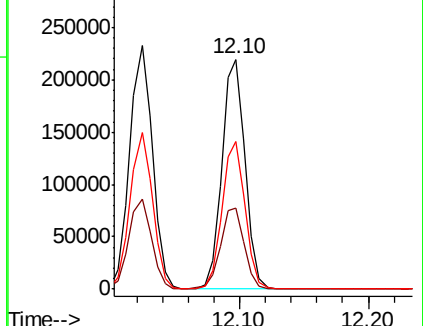
148 63.8 32.3 96.9

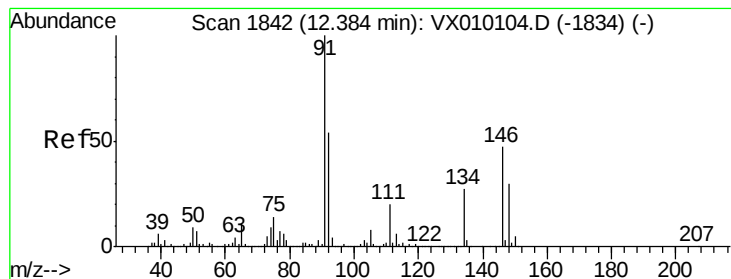


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.100 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

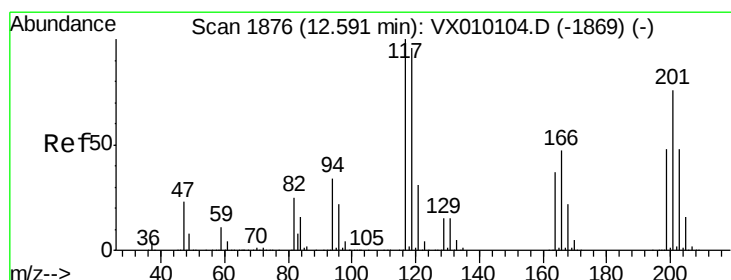
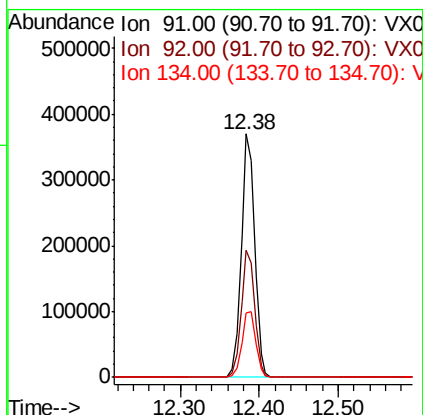
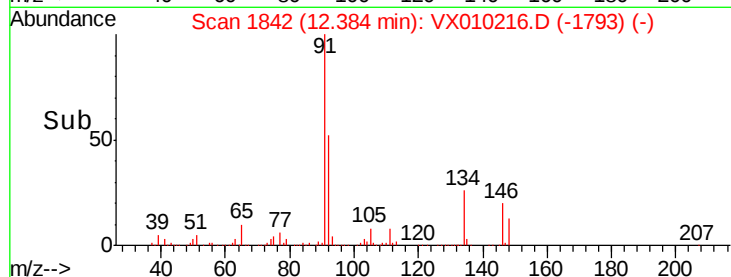
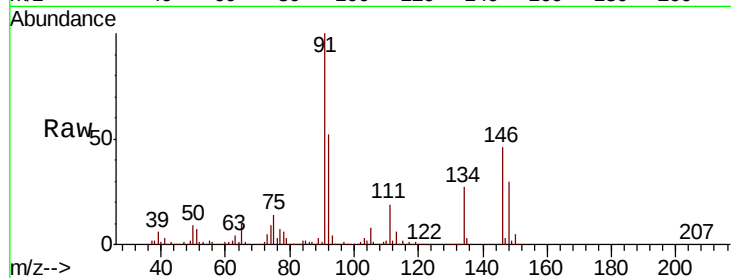
Tot Ion: 91 Resp: 437321

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.8

134 27.9 12.3 36.8



#90

Hexachloroethane

Concen: 46.023 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX010216.D

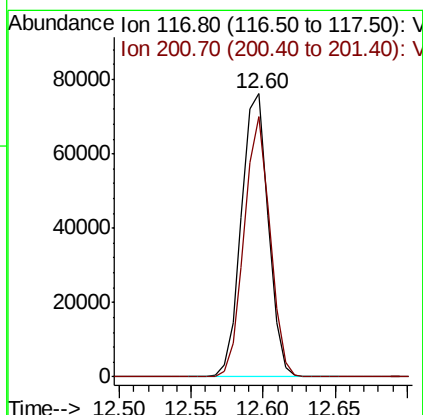
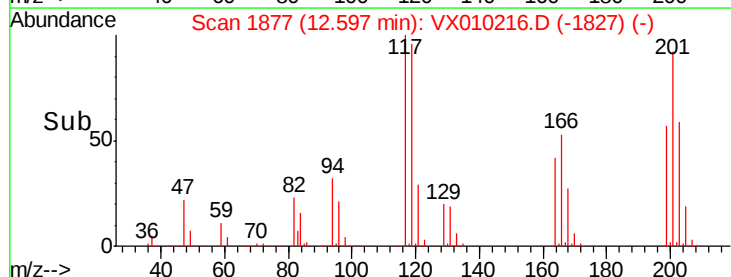
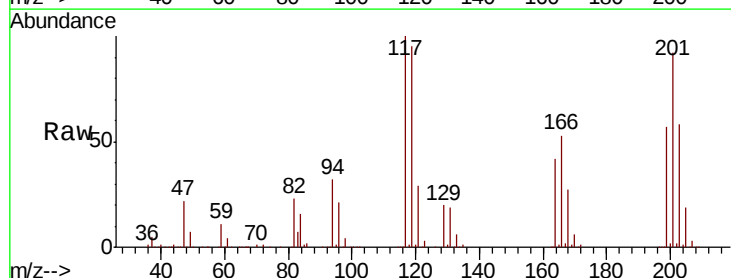
Acq: 11 Jun 2019 07:20

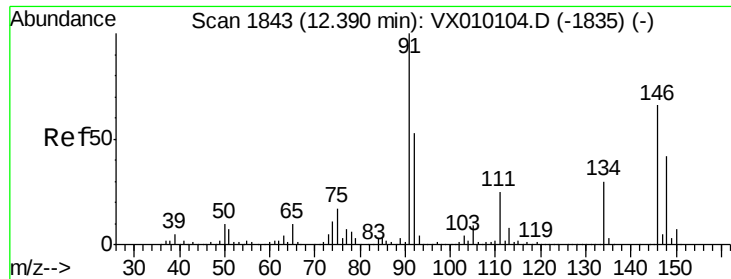
Tgt Ion: 117 Resp: 98890

Ion Ratio Lower Upper

117 100

201 87.8 43.6 130.9

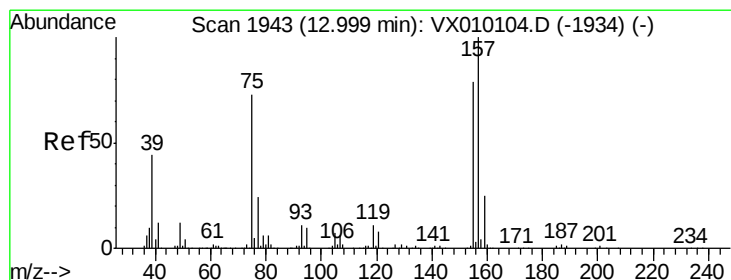
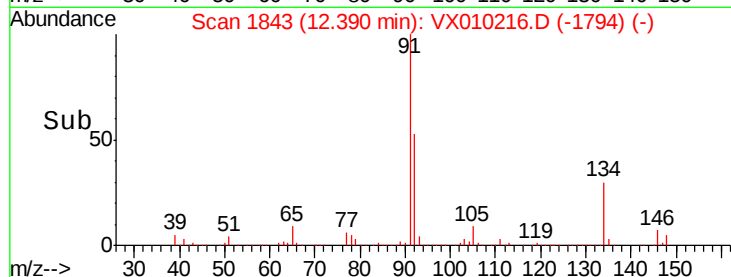
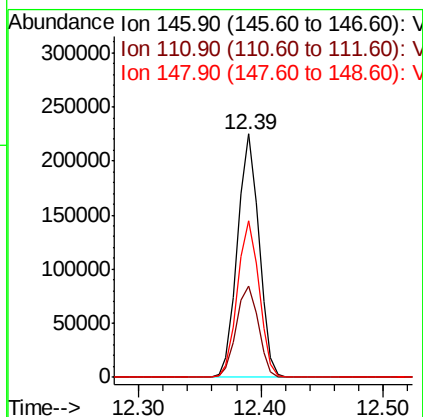
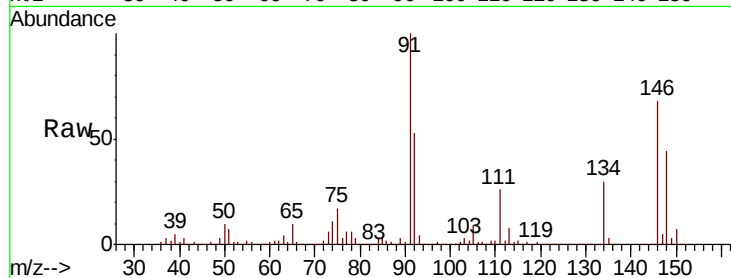




#91
 1,2-Dichlorobenzene
 Concen: 48.765 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

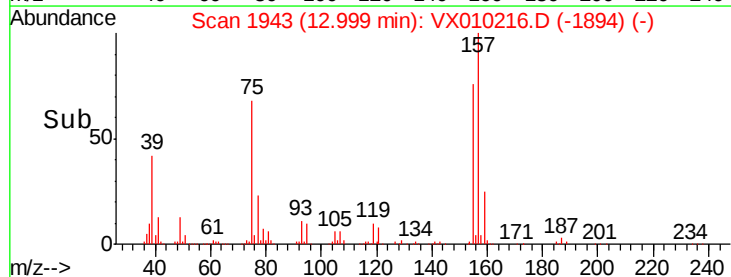
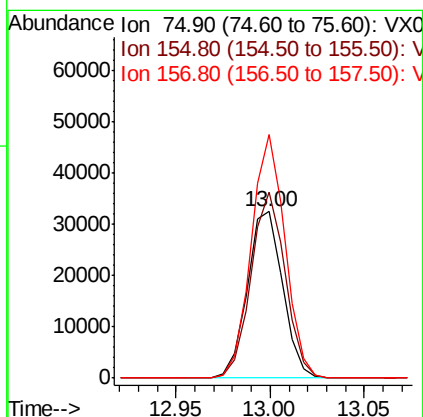
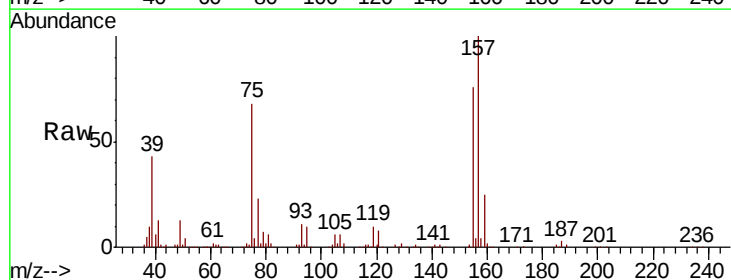
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 272811
 Ion Ratio Lower Upper
 146 100
 111 38.8 21.1 63.1
 148 64.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.288 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion: 75 Resp: 42382
 Ion Ratio Lower Upper
 75 100
 155 107.8 39.3 117.8
 157 139.3 50.6 151.8

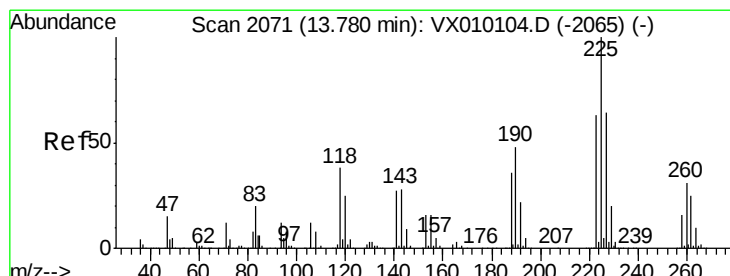
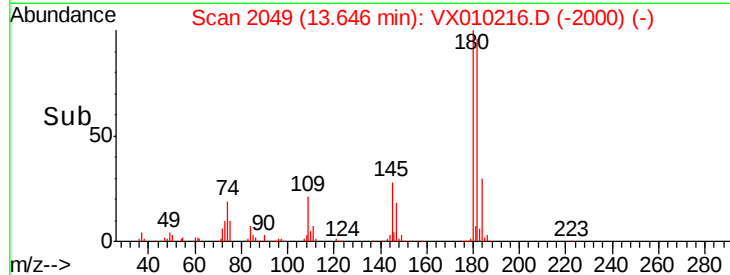
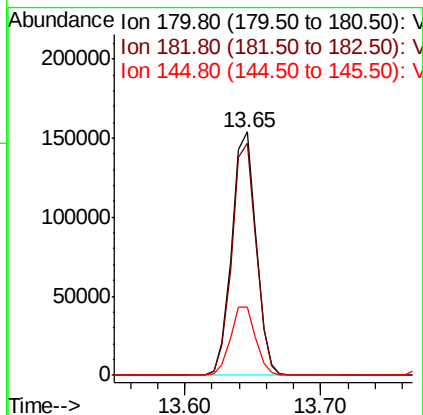
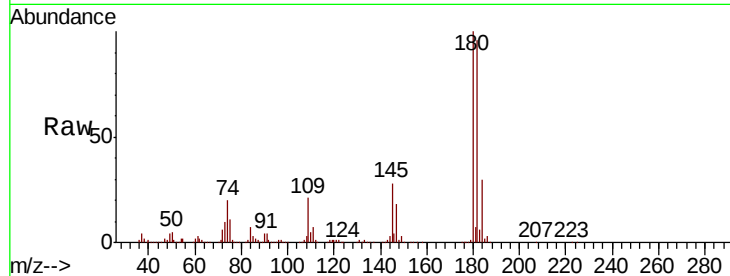




#93
 1,2,4-Trichlorobenzene
 Concen: 46.787 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

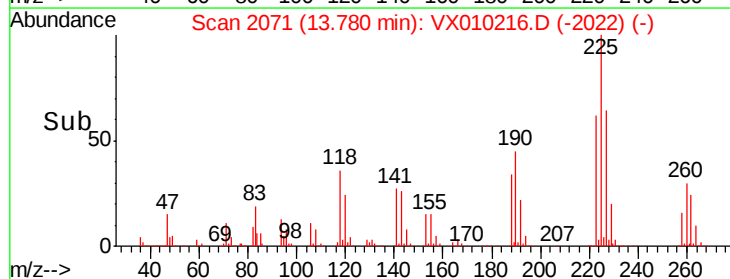
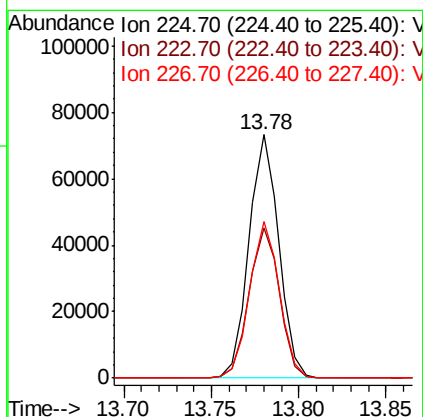
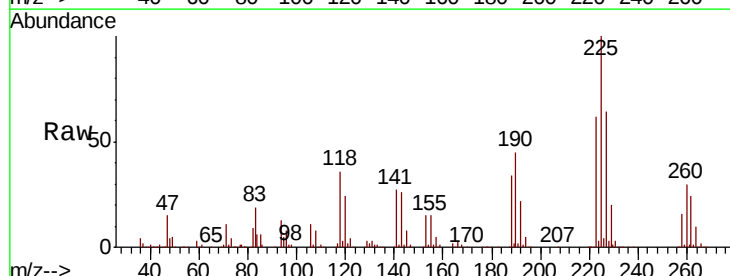
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

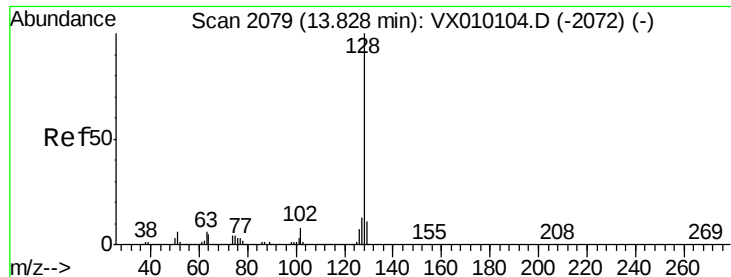
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	29.2	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 47.833 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	64.0	32.3	96.8





#95

Naphthalene

Concen: 48.583 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

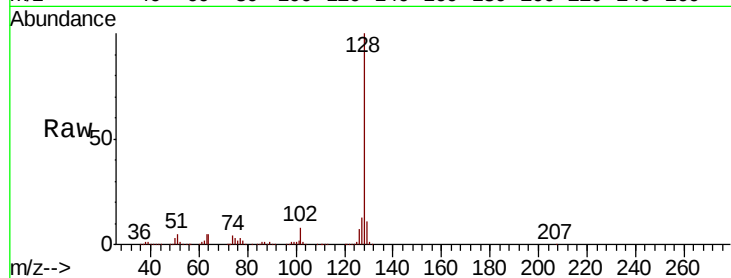
Tot Ion:128 Resp: 626281

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

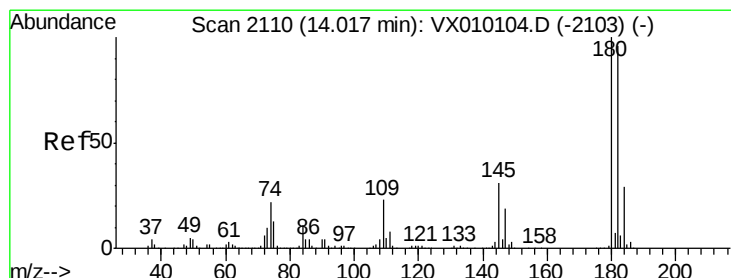
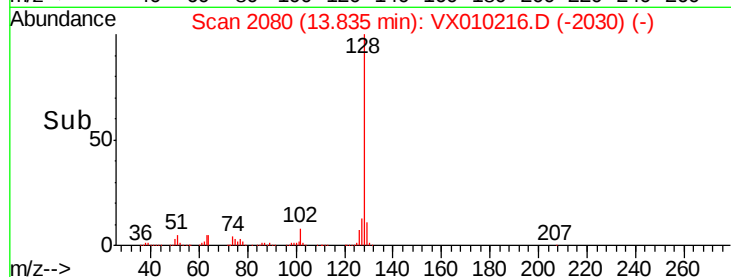
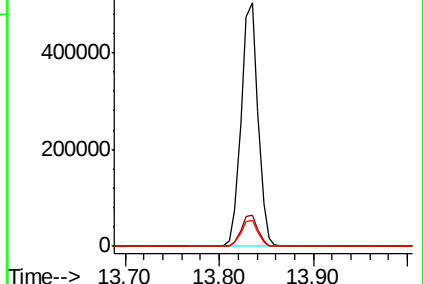
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.009 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

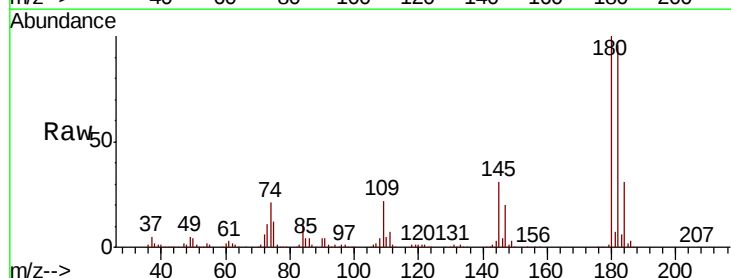
Tgt Ion:180 Resp: 194387

Ion Ratio Lower Upper

180 100

182 95.3 47.3 142.0

145 30.3 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

