

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014069.D
 Acq On : 17 Dec 2019 22:48
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Dec 18 07:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	90226	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	498622	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	450945	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	192751	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	11.14	95	212674	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	8.71	98	614054	30.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	81471	17.876	ug/l 98
3) Chloromethane	1.32	50	125790	19.582	ug/l 97
4) Vinyl Chloride	1.40	62	127783	19.405	ug/l 100
5) Bromomethane	1.63	94	80240	16.669	ug/l 99
6) Chloroethane	1.72	64	78080	19.196	ug/l 97
7) Trichlorofluoromethane	1.92	101	161145	19.666	ug/l 99
8) Diethyl Ether	2.18	74	75890	20.149	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	96507	19.748	ug/l 97
10) 1,1-Dichloroethene	2.37	96	99673	19.728	ug/l 97
11) Methyl Iodide	2.50	142	117809	18.113	ug/l 98
12) Methyl Acetate	2.76	43	160811	20.560	ug/l 97
13) Acrolein	2.28	56	105458	111.164	ug/l 100
14) Acrylonitrile	3.13	53	322508	105.474	ug/l 98
15) Acetone	2.43	58	130322	145.085	ug/l 90
16) Carbon Disulfide	2.56	76	264044	19.292	ug/l 97
17) Allyl chloride	2.72	41	177145	19.512	ug/l 92
18) Methylene Chloride	2.85	84	115264	18.618	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	107403	19.412	ug/l 97
20) Diisopropyl ether	3.84	45	359632	19.305	ug/l 97
21) 1,1-Dichloroethane	3.69	63	192748	19.064	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	121914	19.008	ug/l 99
23) tert-Butyl Alcohol	3.03	59	133412	111.239	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	330786	19.381	ug/l 96
25) Chloroform	5.20	83	189368	19.645	ug/l 98
26) Cyclohexane	5.57	56	173484	19.243	ug/l 99
29) 1,1-Dichloropropene	5.79	75	141002	19.577	ug/l 99
30) 2-Butanone	4.65	43	504640	118.871	ug/l 100
31) 2,2-Dichloropropane	4.58	77	132685	19.916	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	156784	19.681	ug/l 99
33) Carbon Tetrachloride	5.78	117	131467	19.413	ug/l 96
34) Benzene	6.14	78	448688	19.979	ug/l 98
35) Methacrylonitrile	5.03	41	91749	20.095	ug/l 98
36) 1,2-Dichloroethane	6.18	62	152675	19.571	ug/l 99
37) Trichloroethene	7.21	130	124494	20.372	ug/l 95
38) Methylcyclohexane	7.46	83	165759	19.294	ug/l 99
39) 1,2-Dichloropropane	7.51	63	111757	19.160	ug/l 95
40) Dibromomethane	7.65	93	74307	19.942	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	138983	19.263	ug/l	99
42) Vinyl Acetate	3.80	43	1024584	68.359	ug/l	98
43) Ethyl Acetate	4.81	43	172652	21.195	ug/l	99
44) Isopropyl Acetate	6.43	43	275612	20.201	ug/l	100
45) 1,4-Dioxane	7.73	88	54832	429.165	ug/l	98
46) Methyl methacrylate	7.76	41	133930	20.210	ug/l	98
47) n-amyl Acetate	10.89	43	223193	18.398	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	152057	19.309	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	174034	19.652	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	114348	19.884	ug/l	99
51) Ethyl methacrylate	9.17	69	177998	19.459	ug/l	97
52) 1,3-Dichloropropane	9.37	76	191401	19.590	ug/l	97
53) Dibromochloromethane	9.57	129	110014	19.132	ug/l	98
54) 1,2-Dibromoethane	9.67	107	117024	19.765	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	397916	98.683	ug/l	99
56) Bromoform	10.85	173	83466	18.613	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	887030	105.131	ug/l	100
59) 2-Hexanone	9.48	43	703473	109.865	ug/l	100
61) Tetrachloroethene	9.33	164	173266	29.044	ug/l	95
62) Toluene	8.78	91	478232	19.940	ug/l	99
64) Chlorobenzene	10.14	112	298724	19.881	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	106805	19.196	ug/l	98
66) Ethyl Benzene	10.25	91	514287	19.594	ug/l	98
67) m/p-Xylenes	10.35	106	392270	39.097	ug/l	100
68) o-Xylene	10.70	106	191674	19.284	ug/l	99
69) Styrene	10.71	104	317448	18.781	ug/l	99
70) Isopropylbenzene	11.01	105	501378	19.520	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	160595	17.630	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	193337	23.845	ug/l	92
73) Bromobenzene	11.25	156	129900	18.945	ug/l	98
74) n-propylbenzene	11.35	91	557315	19.130	ug/l	98
75) 2-Chlorotoluene	11.42	91	338695	19.241	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	410350	18.833	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	50786	18.968	ug/l	97
78) 4-Chlorotoluene	11.51	91	379584	18.871	ug/l	99
79) tert-butylbenzene	11.76	119	354484	16.878	ug/l	93
80) 1,2,4-Trimethylbenzene	11.80	105	408329	18.742	ug/l	99
81) sec-Butylbenzene	11.94	105	473557	18.957	ug/l	100
82) p-Isopropyltoluene	12.06	119	425312	18.866	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	222518	18.619	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	217080	18.241	ug/l	99
85) n-Butylbenzene	12.39	91	341781	18.032	ug/l	99
86) Hexachloroethane	12.59	117	72715	17.780	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	223835	18.439	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	34821	19.179	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	137138	17.676	ug/l	100
90) Hexachlorobutadiene	13.78	225	70120	19.014	ug/l	97
91) Naphthalene	13.83	128	429573	18.421	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	144681	18.386	ug/l	99

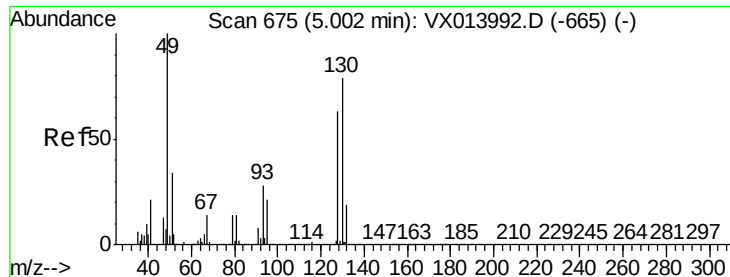
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

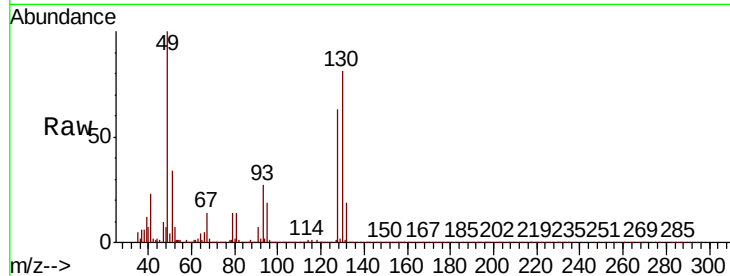
Tot Ion:128 Resp: 90226

Ion Ratio Lower Upper

128 100

49 163.0 0.0 405.0

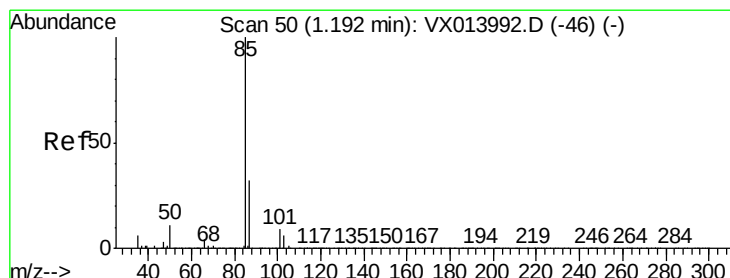
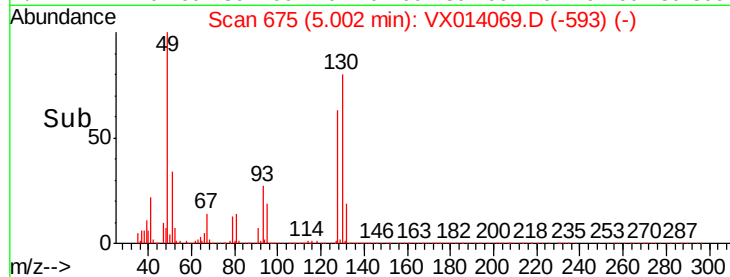
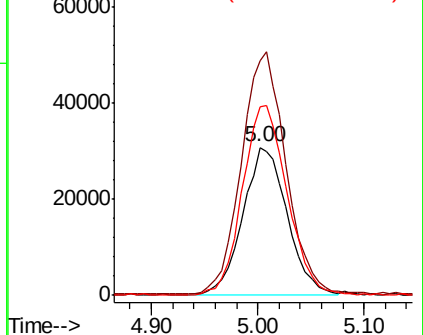
130 129.0 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.876 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014069.D

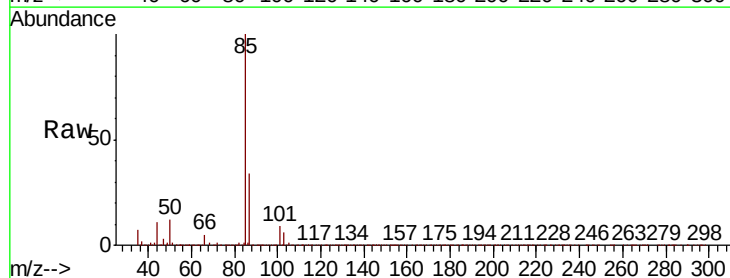
Acq: 17 Dec 2019 22:48

Tgt Ion: 85 Resp: 81471

Ion Ratio Lower Upper

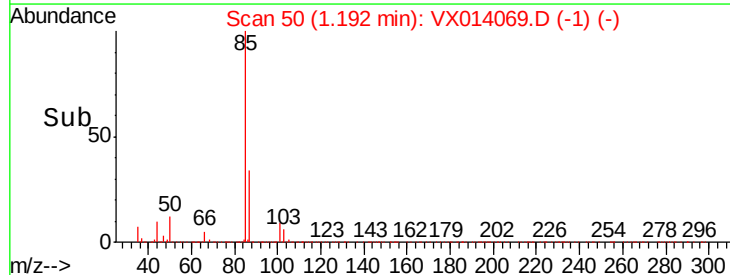
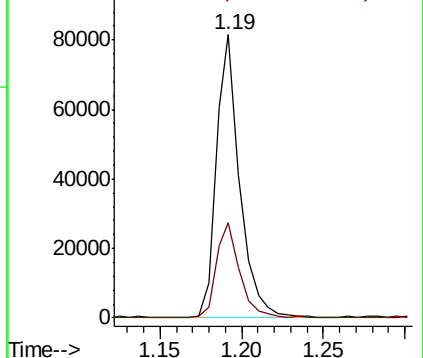
85 100

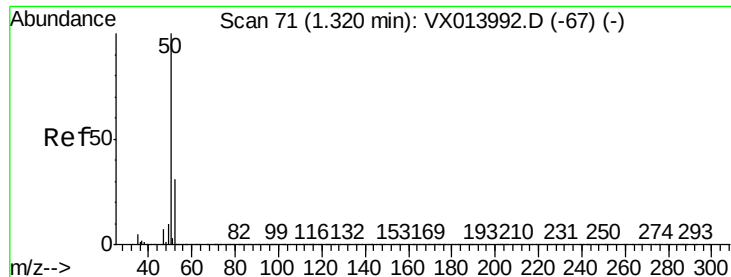
87 33.7 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.582 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

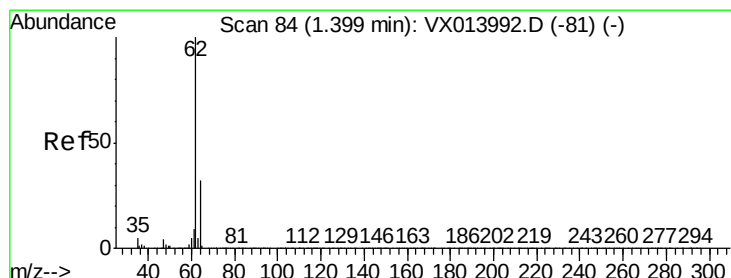
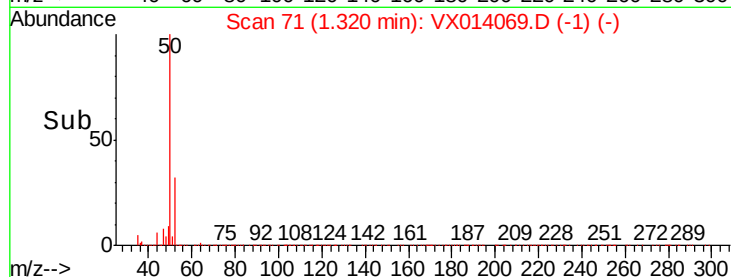
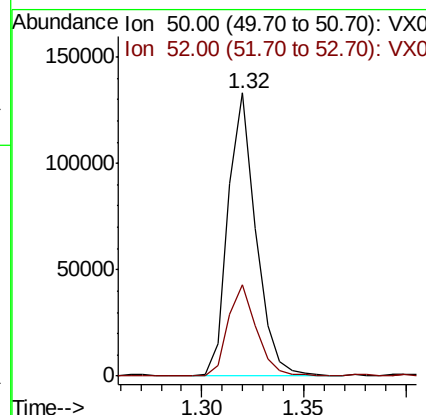
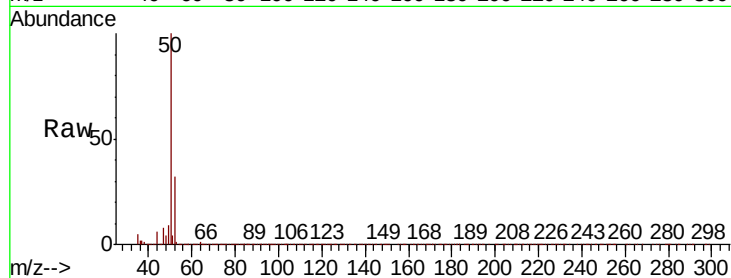
VSTDCCC020

Tot Ion: 50 Resp: 125790

Ion Ratio Lower Upper

50 100

52 32.2 24.3 36.5



#4

Vinyl Chloride

Concen: 19.405 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014069.D

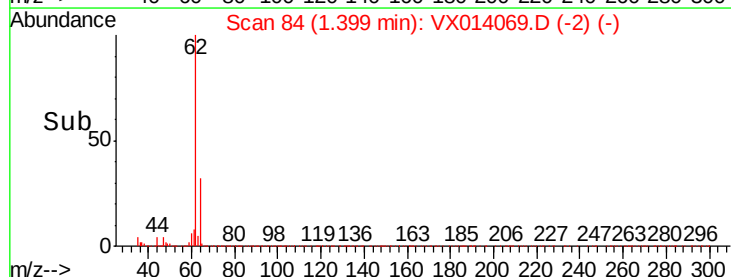
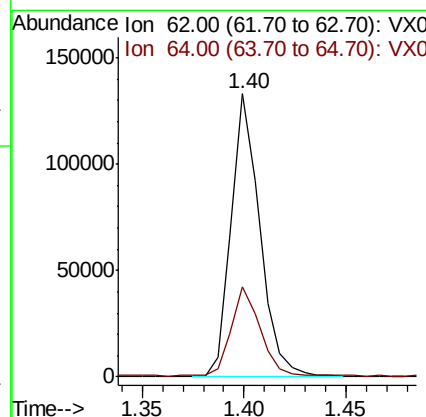
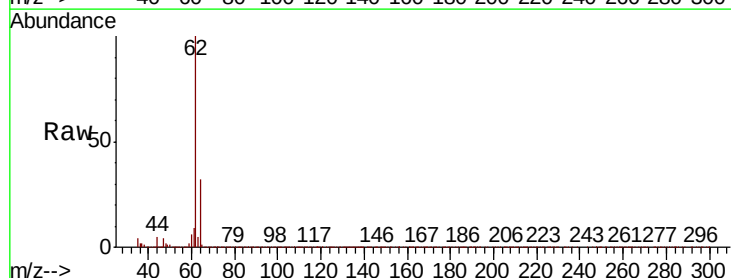
Acq: 17 Dec 2019 22:48

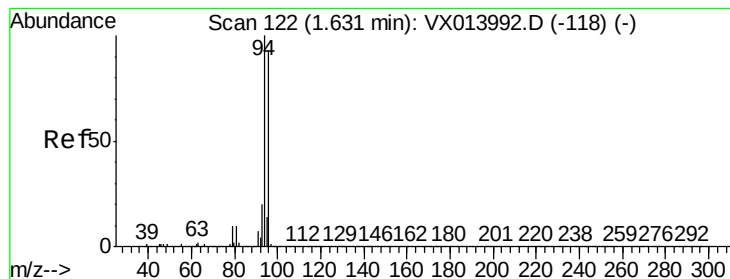
Tgt Ion: 62 Resp: 127783

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 16.669 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

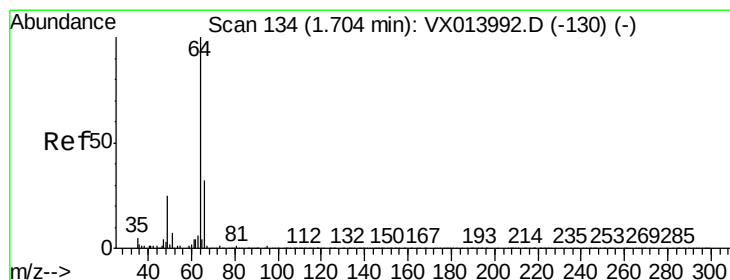
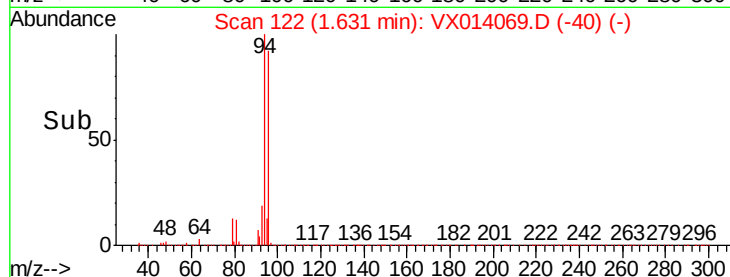
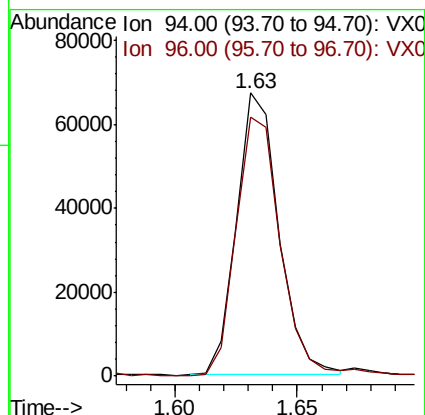
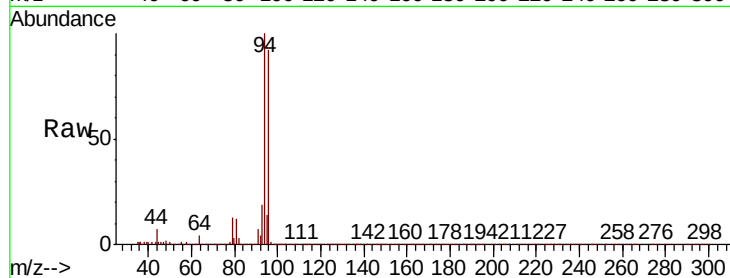
VSTDCCC020

Tot Ion: 94 Resp: 80240

Ion Ratio Lower Upper

94 100

96 92.2 74.4 111.6



#6

Chloroethane

Concen: 19.196 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014069.D

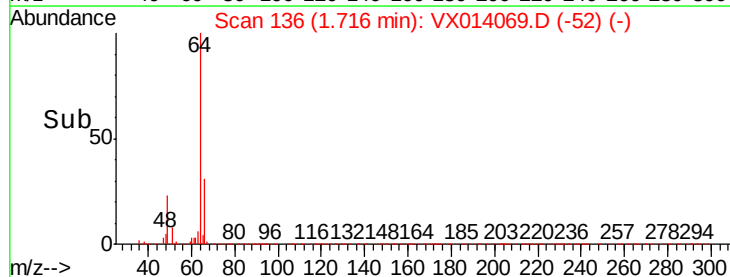
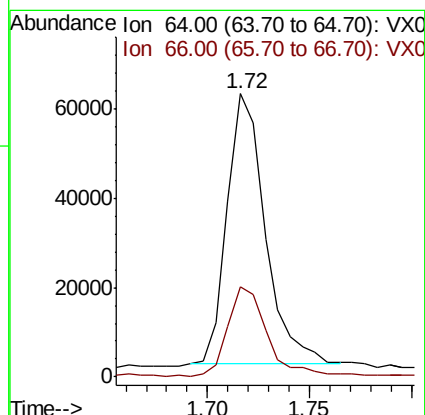
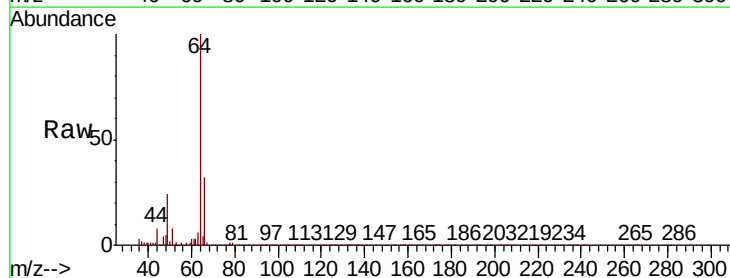
Acq: 17 Dec 2019 22:48

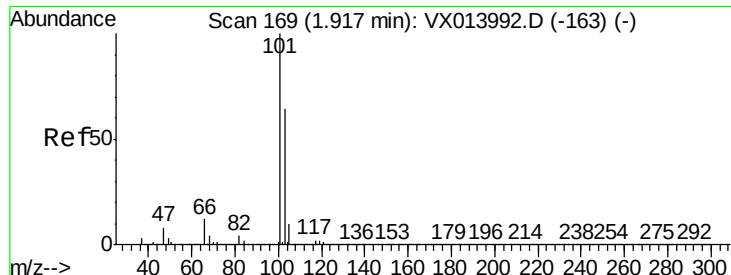
Tgt Ion: 64 Resp: 78080

Ion Ratio Lower Upper

64 100

66 33.1 25.2 37.8



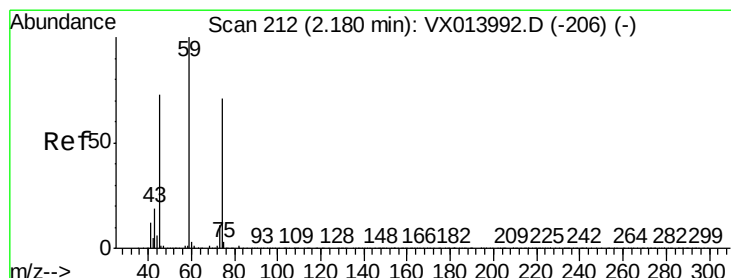
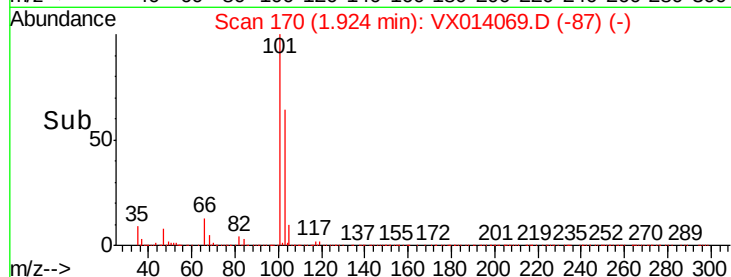
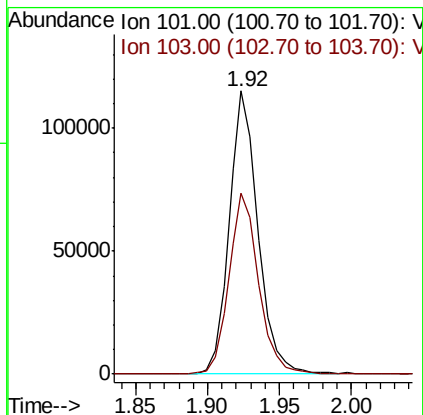
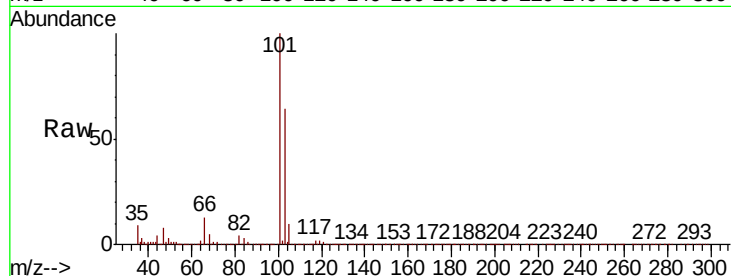


#7

Trichlorofluoromethane
Concen: 19.666 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

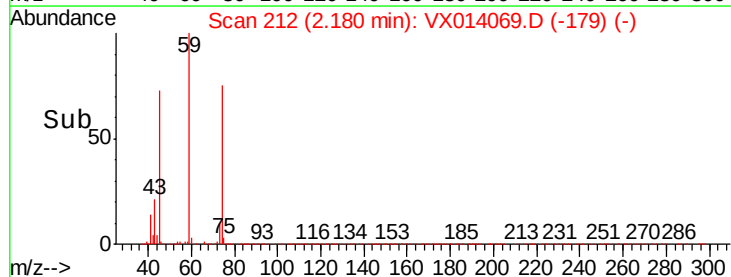
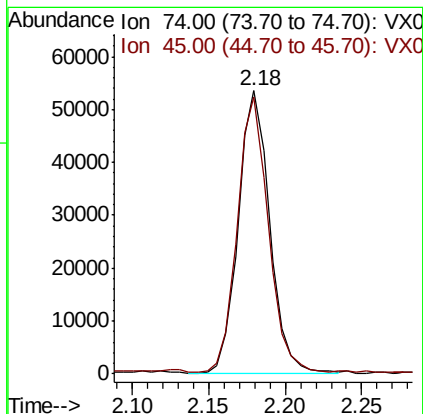
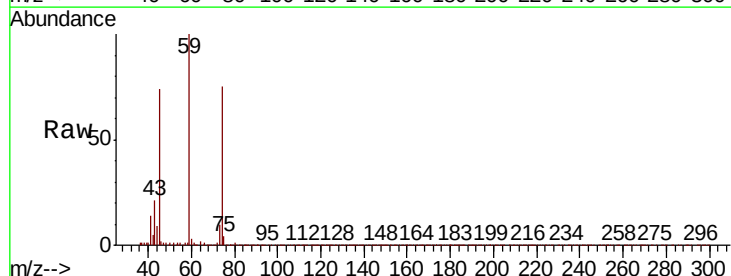
Tot Ion:101 Resp: 161145
Ion Ratio Lower Upper
101 100
103 63.8 51.6 77.4

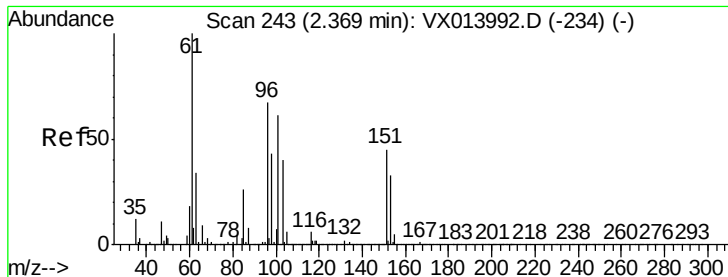


#8

Diethyl Ether
Concen: 20.149 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 74 Resp: 75890
Ion Ratio Lower Upper
74 100
45 96.6 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.748 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

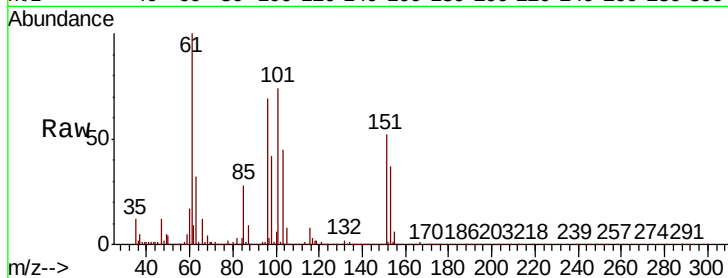
Tot Ion:101 Resp: 96507

Ion Ratio Lower Upper

101 100

85 40.7 0.0 85.6

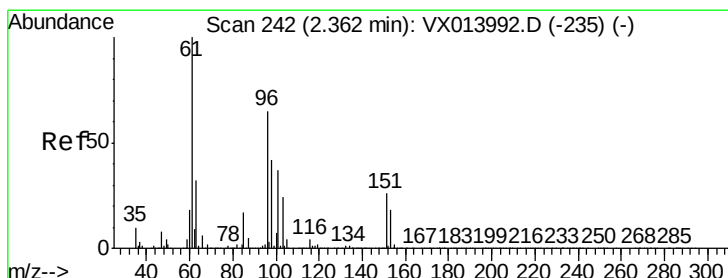
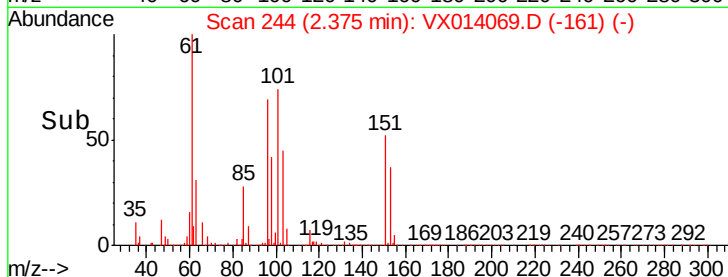
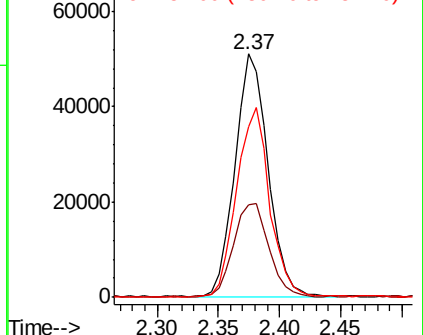
151 77.3 0.0 159.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.728 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

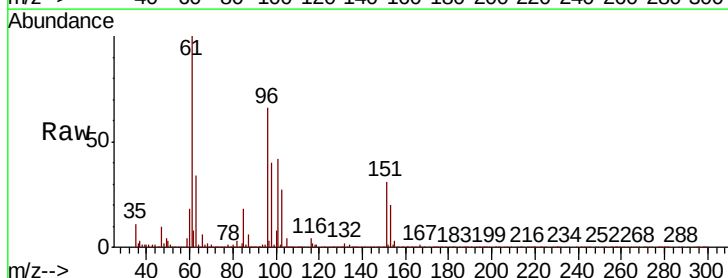
Tgt Ion: 96 Resp: 99673

Ion Ratio Lower Upper

96 100

61 151.0 123.0 184.6

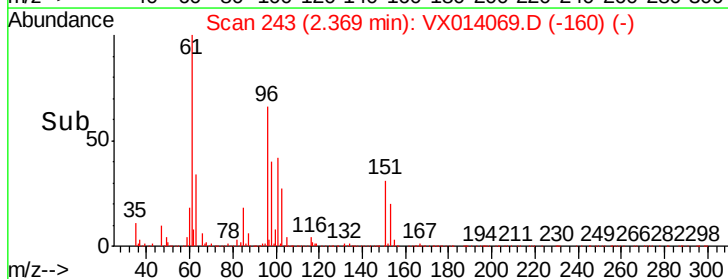
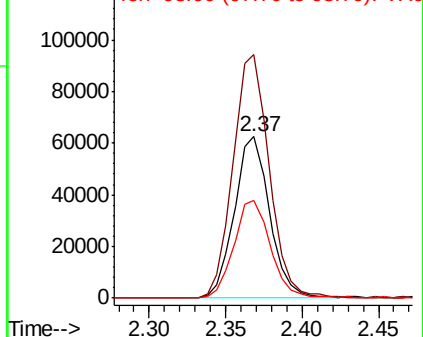
98 60.4 51.4 77.0

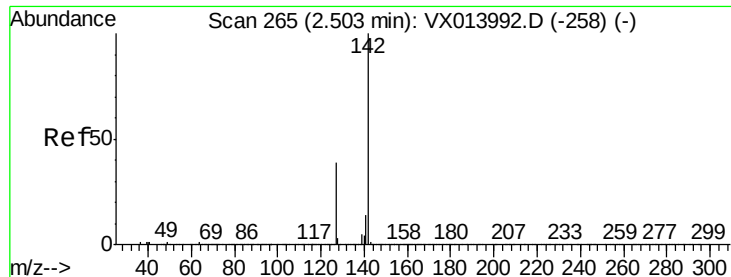


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

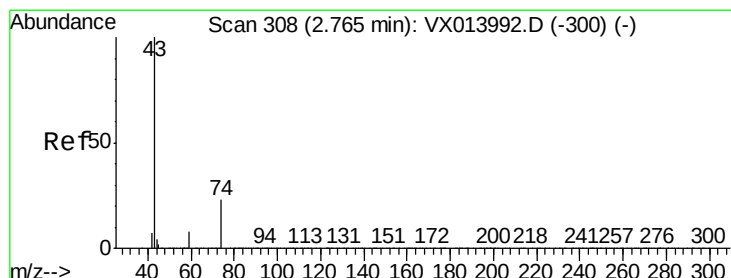
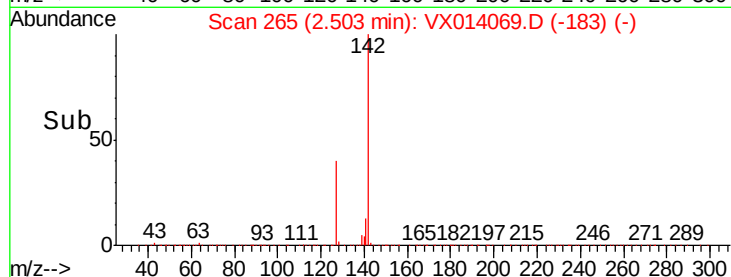
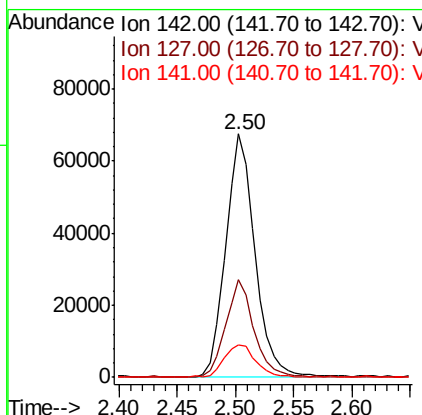
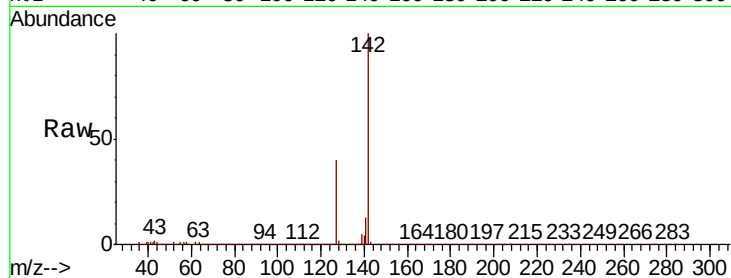




#11
Methvl Iodide
Concen: 18.113 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

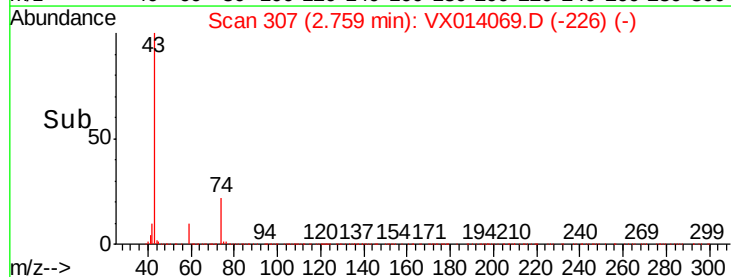
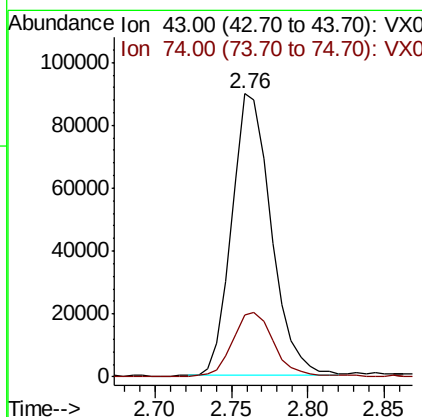
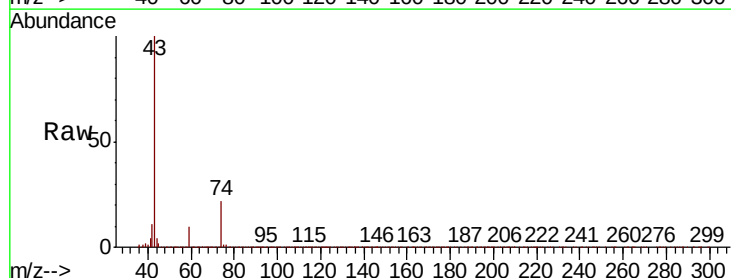
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

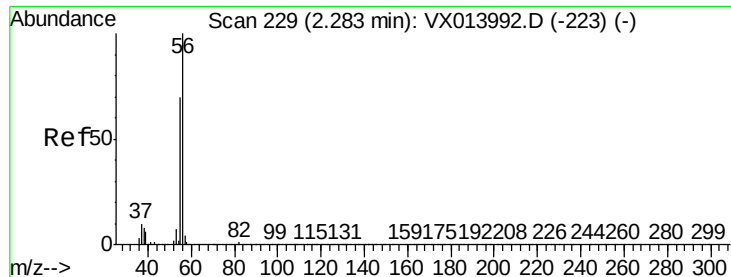
Tot Ion:142 Resp: 117809
Ion Ratio Lower Upper
142 100
127 39.9 19.5 58.5
141 13.1 7.0 20.9



#12
Methyl Acetate
Concen: 20.560 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 43 Resp: 160811
Ion Ratio Lower Upper
43 100
74 21.6 18.5 27.7

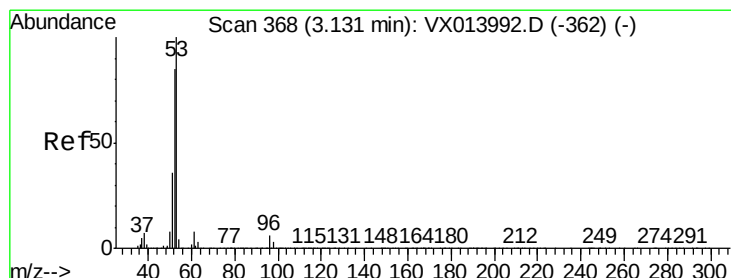
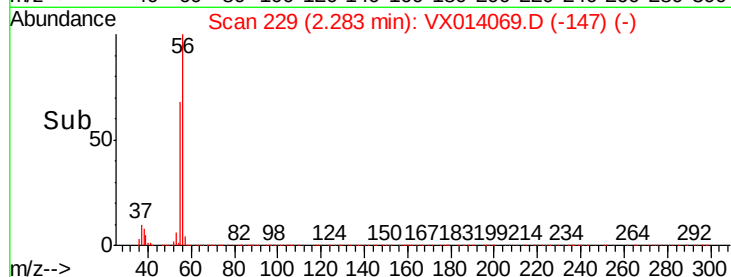
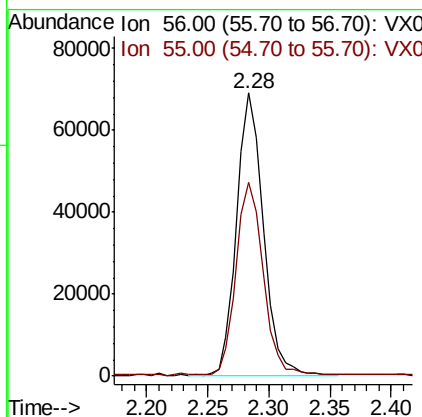
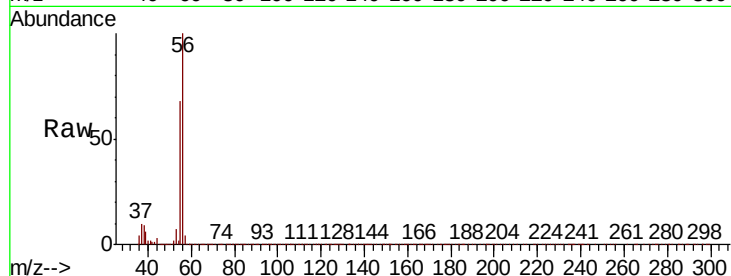




#13
Acrolein
Concen: 111.164 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

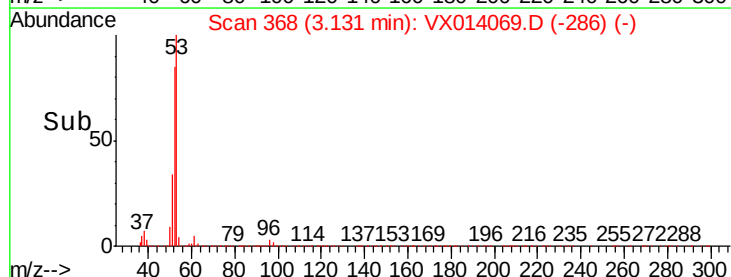
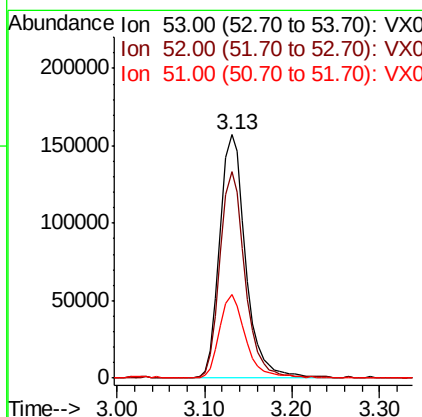
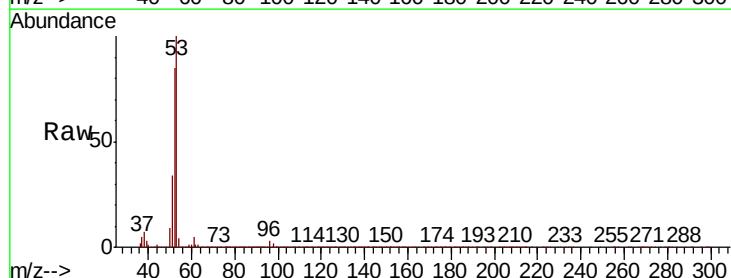
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

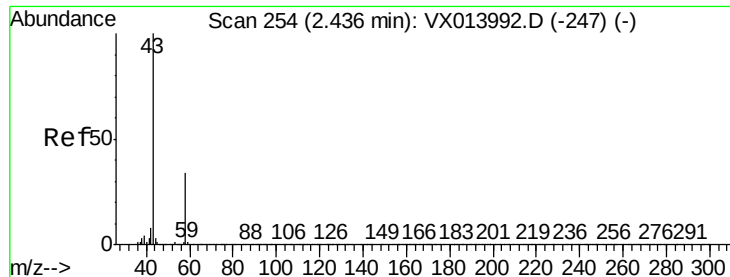
Tot Ion: 56 Resp: 105458
Ion Ratio Lower Upper
56 100
55 68.5 54.9 82.3



#14
Acrylonitrile
Concen: 105.474 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 53 Resp: 322508
Ion Ratio Lower Upper
53 100
52 81.4 41.5 124.6
51 34.1 17.8 53.5





#15

Acetone

Concen: 145.085 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

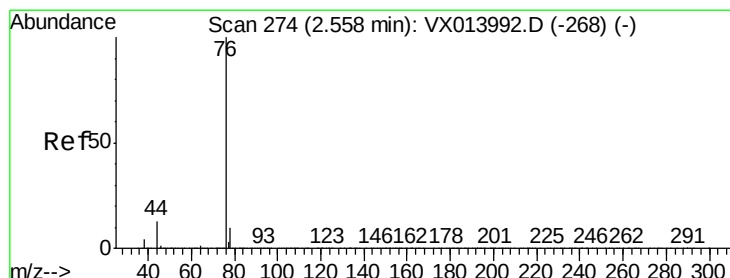
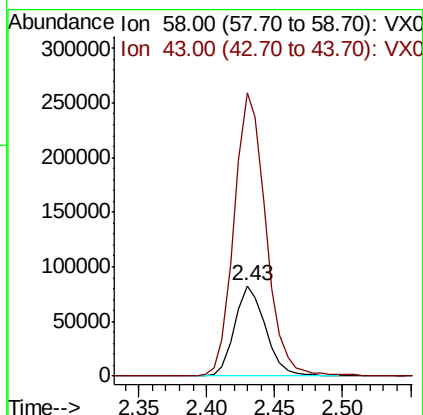
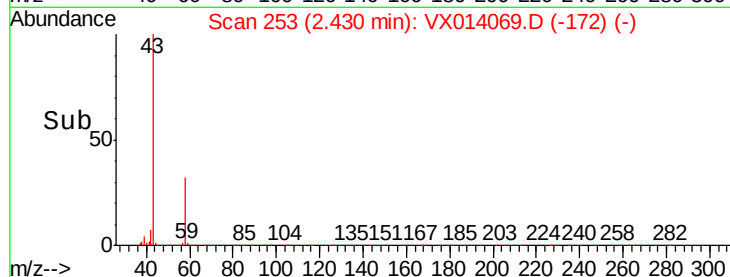
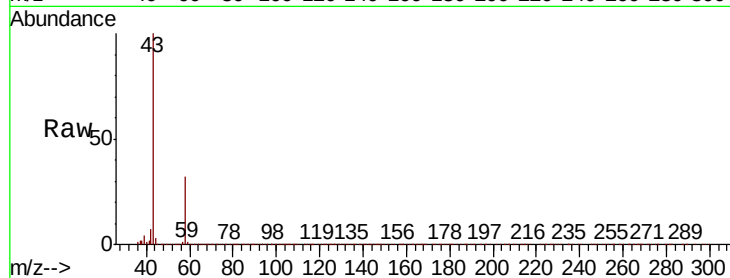
VSTDCCC020

Tot Ion: 58 Resp: 130322

Ion Ratio Lower Upper

58 100

43 314.0 236.3 354.5



#16

Carbon Disulfide

Concen: 19.292 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014069.D

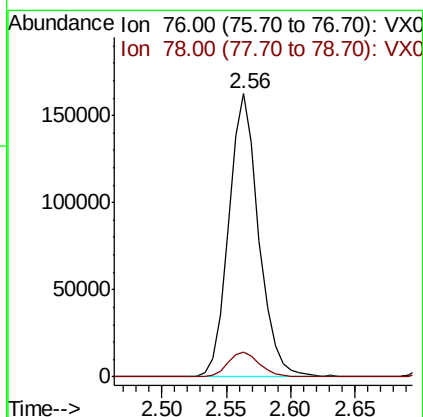
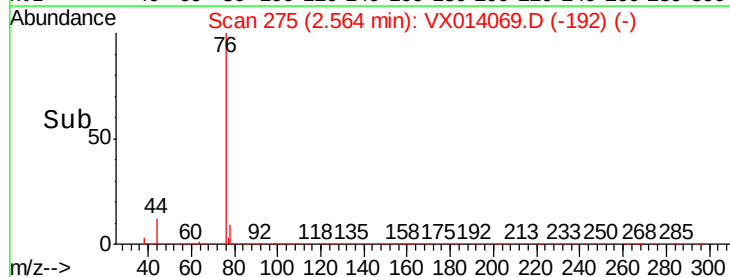
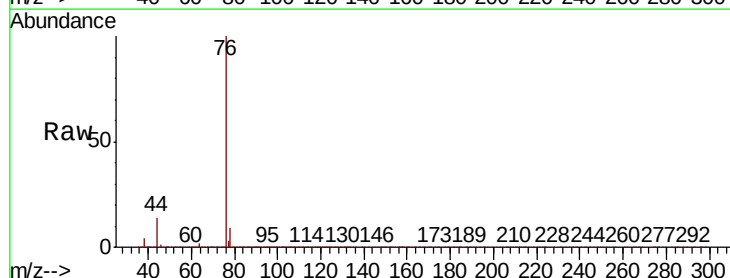
Acq: 17 Dec 2019 22:48

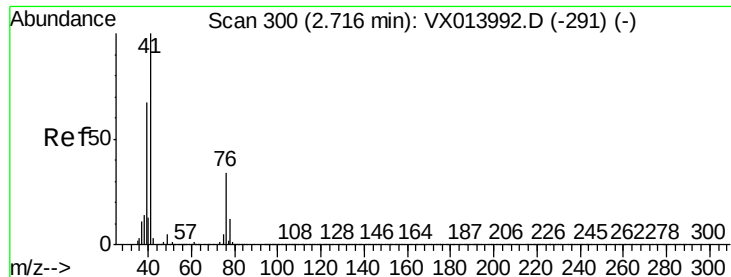
Tgt Ion: 76 Resp: 264044

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.8

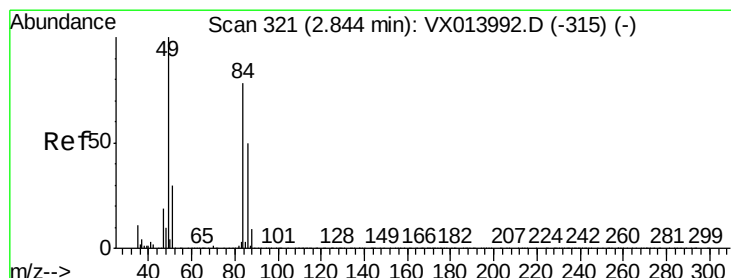
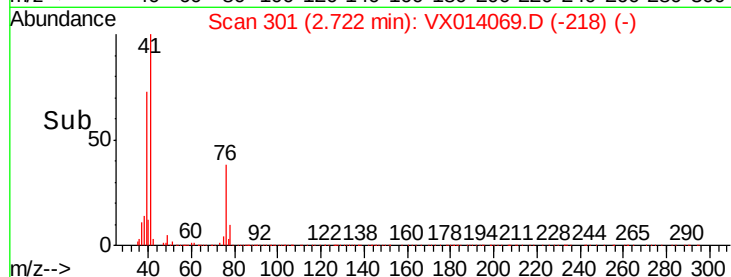
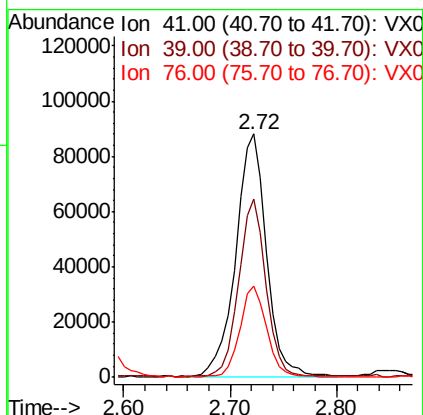
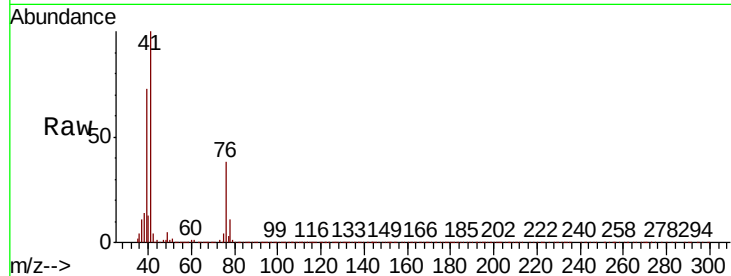




#17
Allvl chloride
Concen: 19.512 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

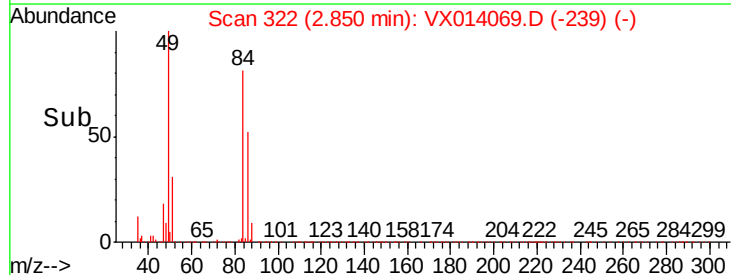
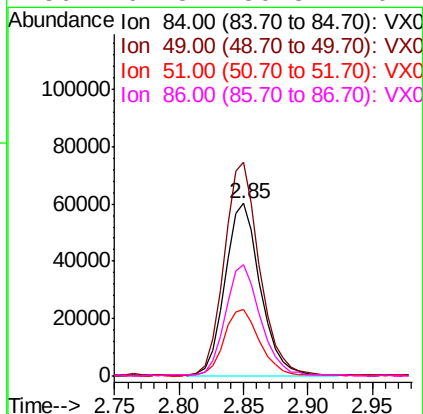
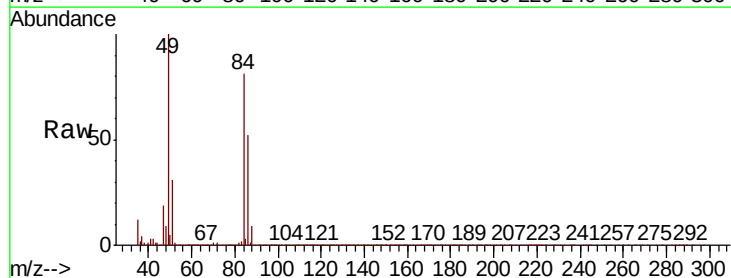
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

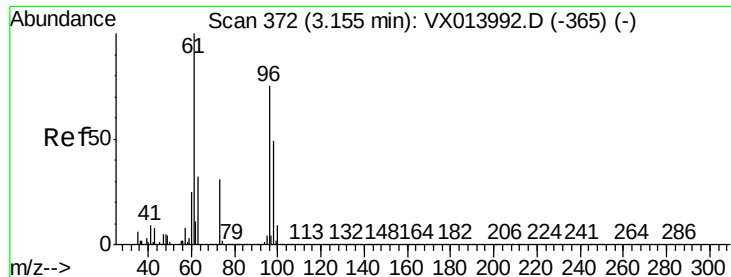
Tot Ion: 41 Resp: 177145
Ion Ratio Lower Upper
41 100
39 73.4 33.4 100.2
76 37.4 17.0 50.9



#18
Methylene Chloride
Concen: 18.618 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 84 Resp: 115264
Ion Ratio Lower Upper
84 100
49 123.9 102.2 153.2
51 38.2 31.4 47.0
86 64.3 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 19.412 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

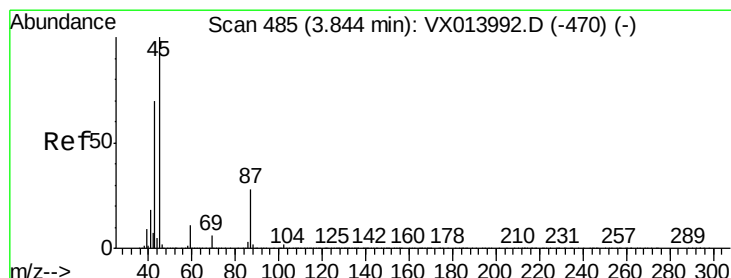
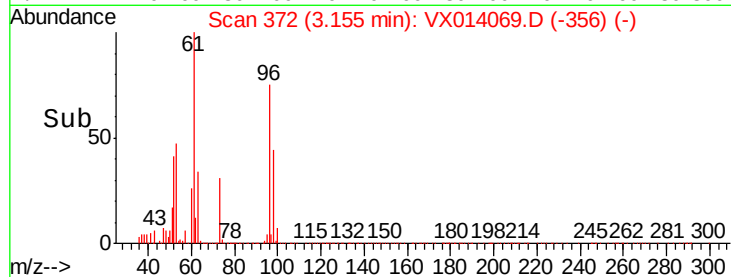
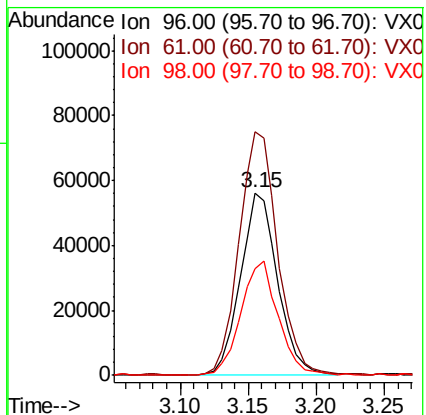
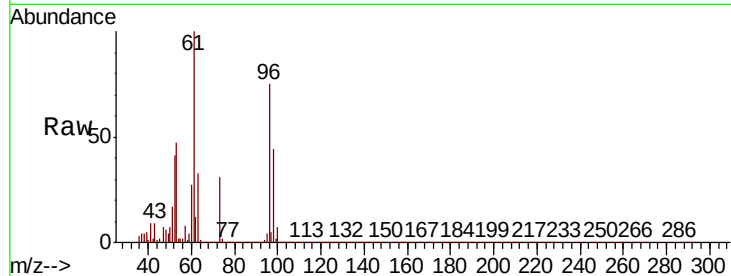
Tot Ion: 96 Resp: 107403

Ion Ratio Lower Upper

96 100

61 133.9 106.6 159.8

98 59.1 51.6 77.4



#20

Diisopropyl ether

Concen: 19.305 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Tgt Ion: 45 Resp: 359632

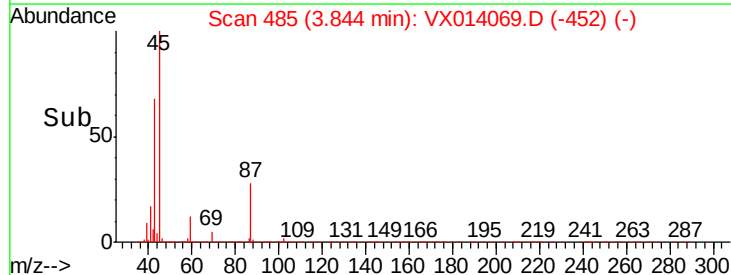
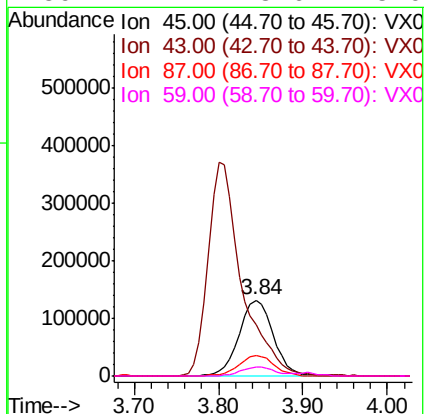
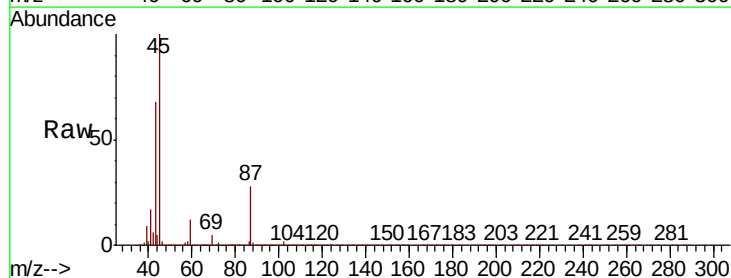
Ion Ratio Lower Upper

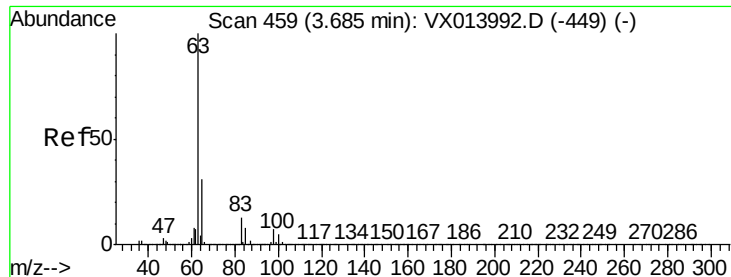
45 100

43 66.8 55.9 83.9

87 27.6 22.2 33.2

59 12.1 8.6 13.0





#21

1,1-Dichloroethane

Concen: 19.064 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

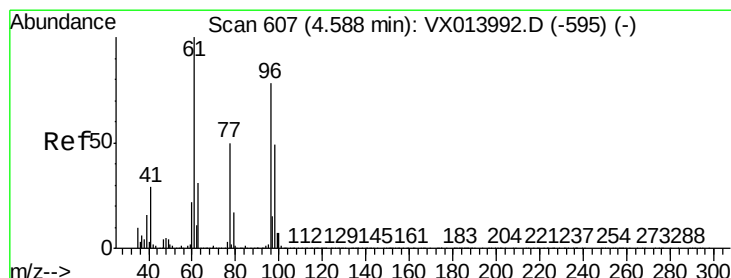
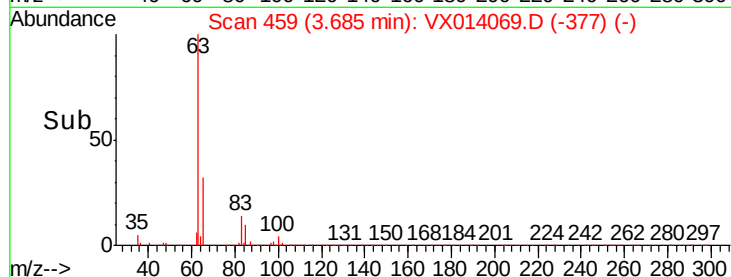
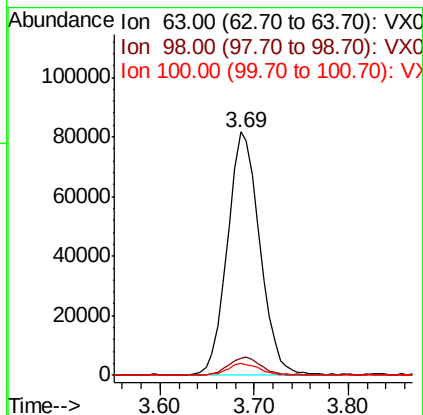
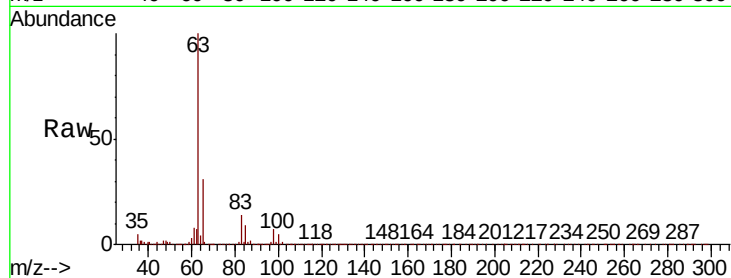
Tot Ion: 63 Resp: 192748

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.8 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 19.008 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

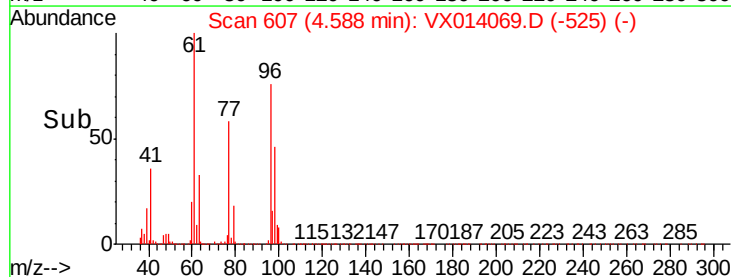
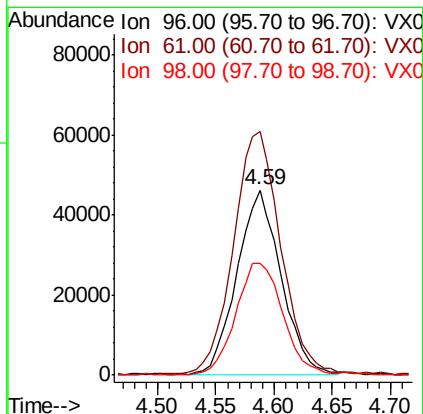
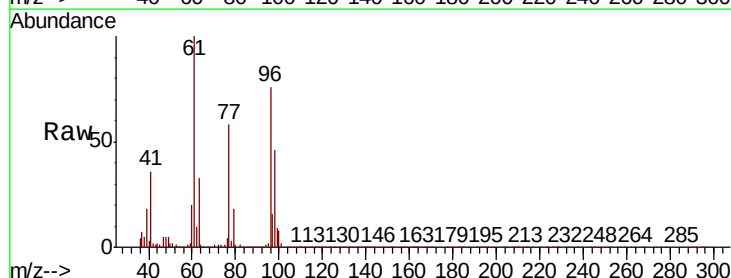
Tgt Ion: 96 Resp: 121914

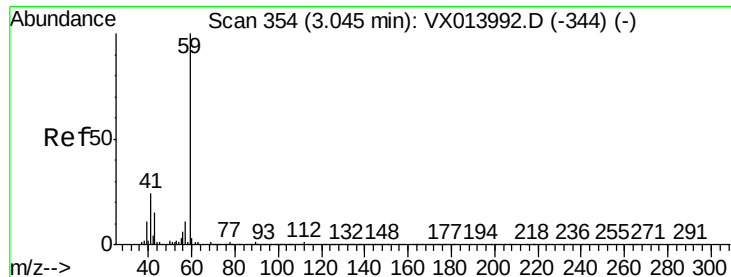
Ion Ratio Lower Upper

96 100

61 141.5 112.4 168.6

98 64.4 50.3 75.5



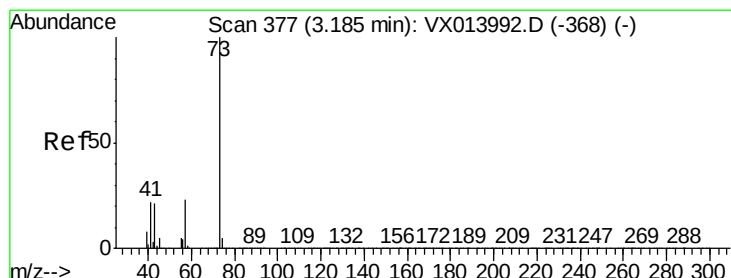
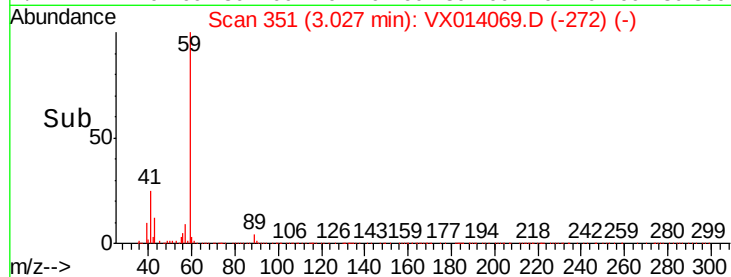
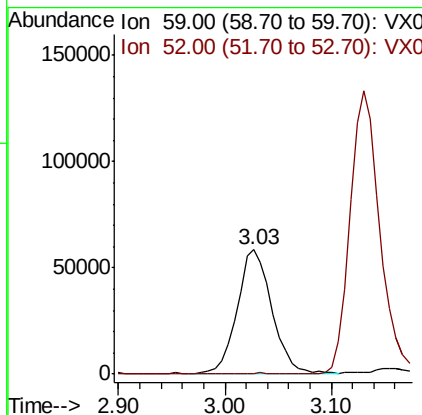
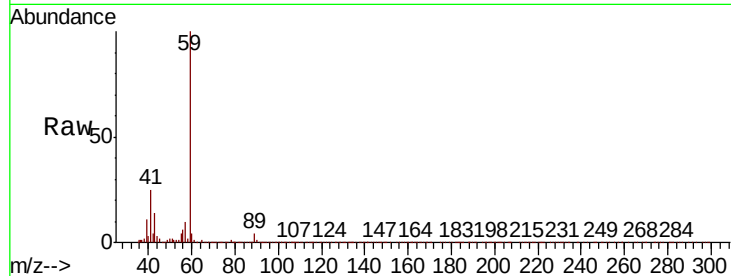


#23

tert-Butyl Alcohol
Concen: 111.239 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

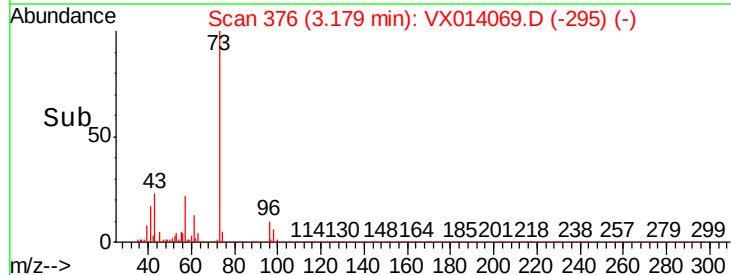
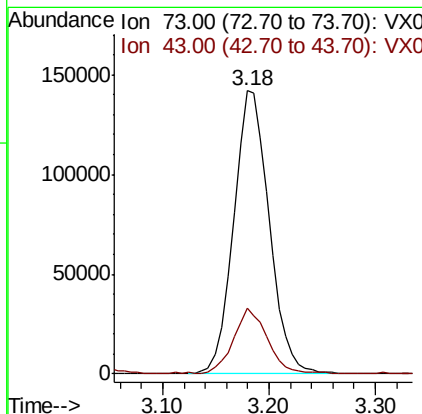
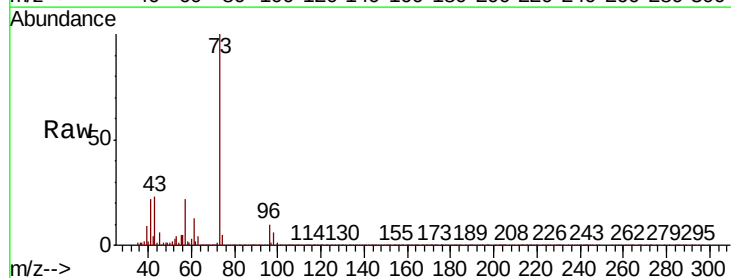
Tot Ion: 59 Resp: 133412
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.2

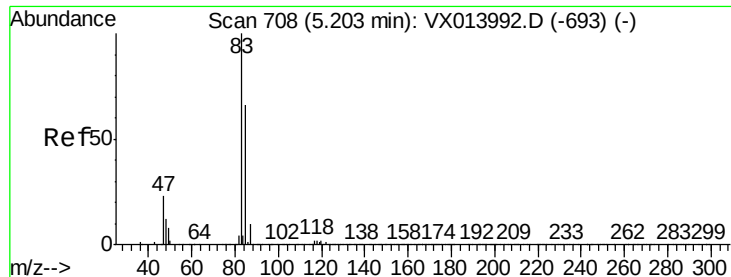


#24

Methyl tert-Butyl Ether
Concen: 19.381 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 73 Resp: 330786
Ion Ratio Lower Upper
73 100
43 22.4 16.6 25.0





#25

Chloroform

Concen: 19.645 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

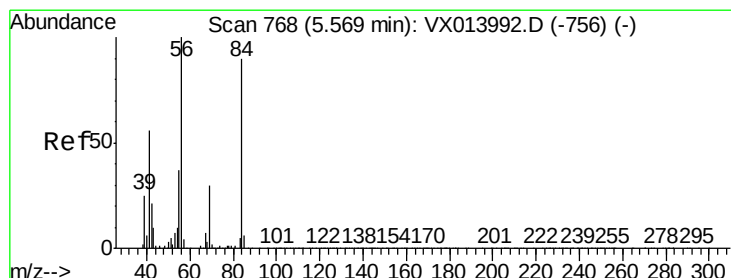
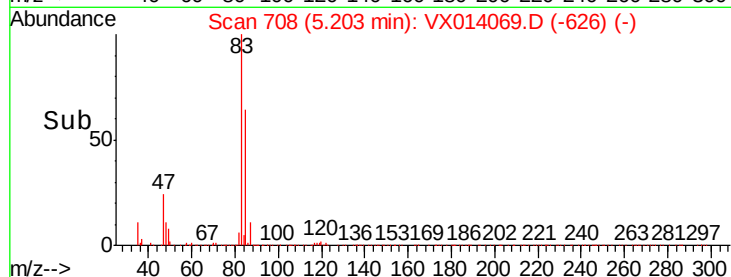
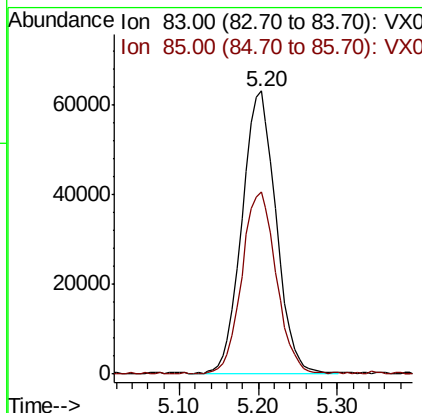
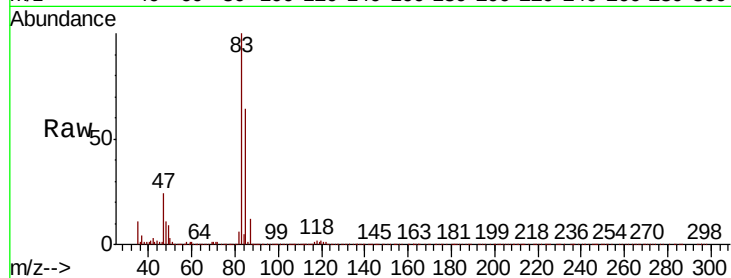
VSTDCCC020

Tot Ion: 83 Resp: 189368

Ion Ratio Lower Upper

83 100

85 64.1 52.7 79.1



#26

Cyclohexane

Concen: 19.243 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

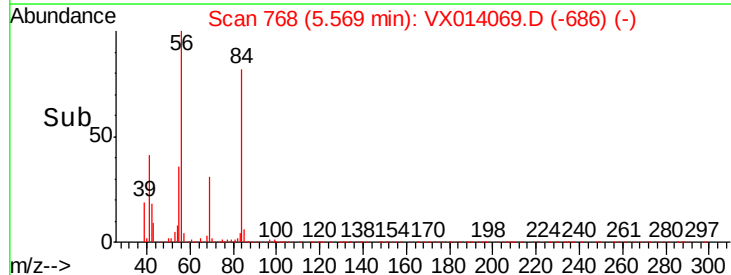
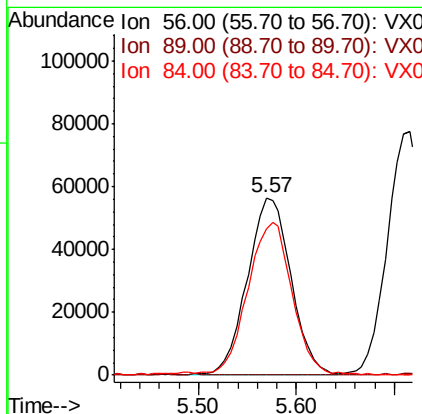
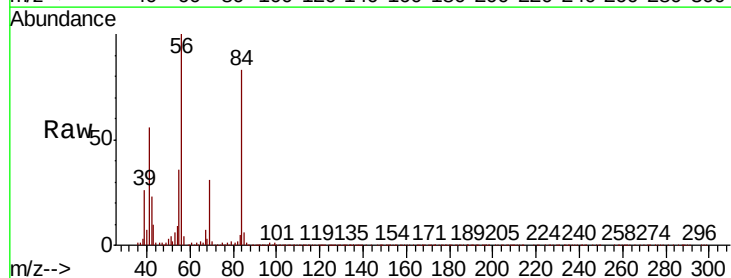
Tgt Ion: 56 Resp: 173484

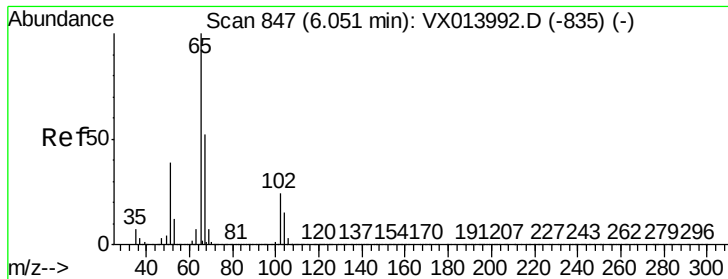
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 87.2 70.8 106.2

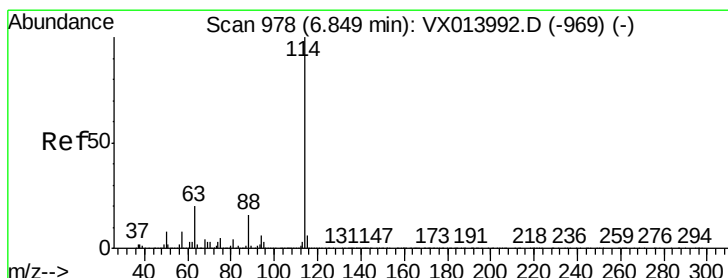
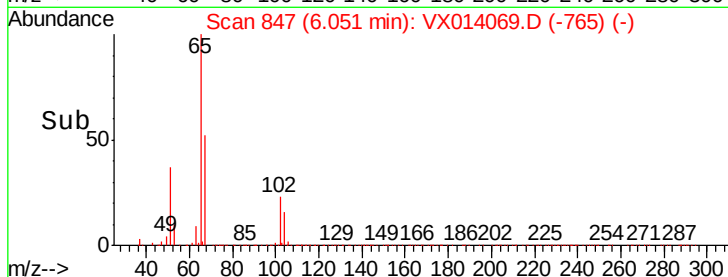
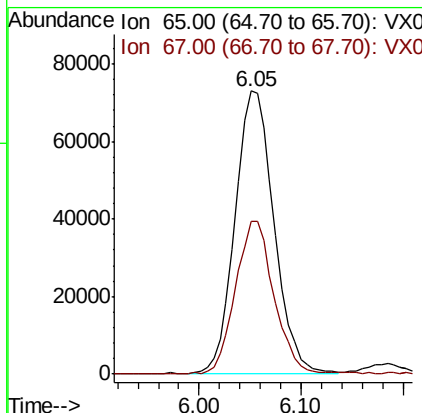
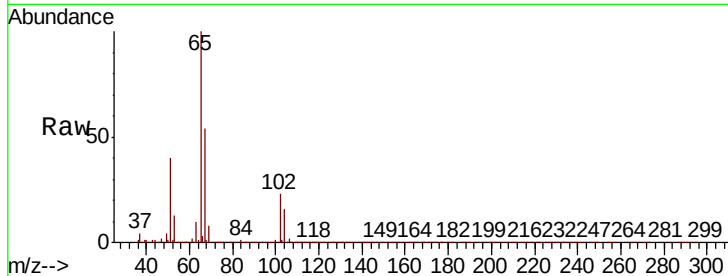




#27
 1,2-Dichloroethane-d4
 Concen: 29.830 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

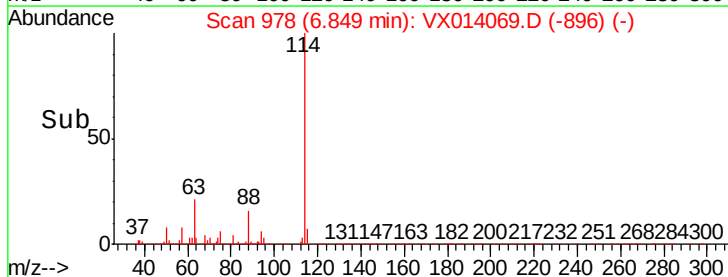
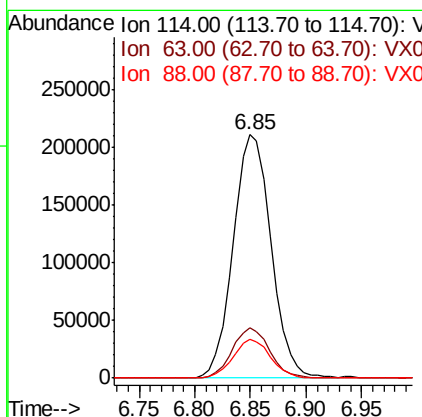
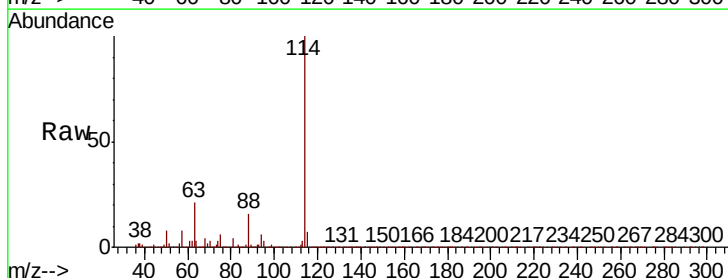
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

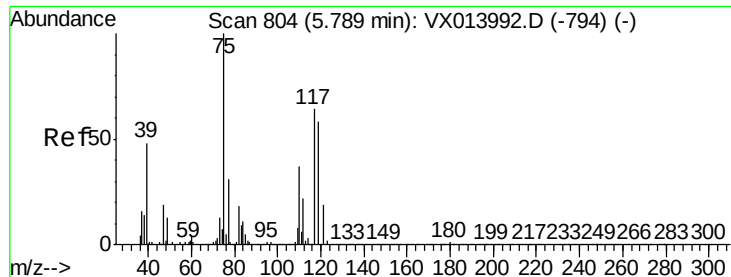
Tot Ion: 65 Resp: 192751
 Ion Ratio Lower Upper
 65 100
 67 52.9 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion: 114 Resp: 498622
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.1 24.1
 88 15.6 12.5 18.7





#29

1,1-Dichloropropene

Concen: 19.577 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

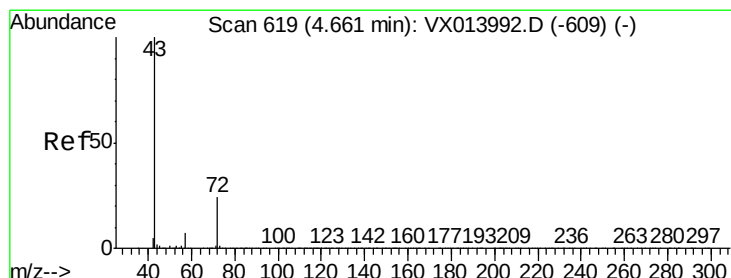
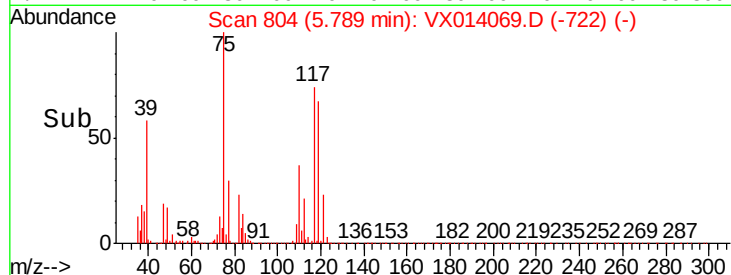
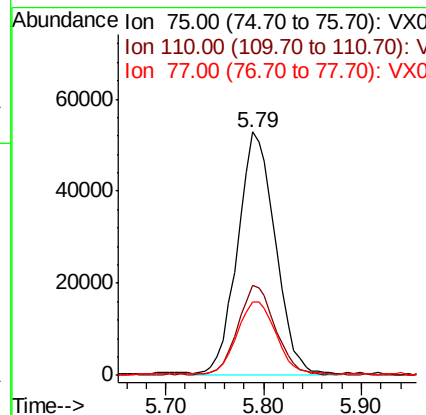
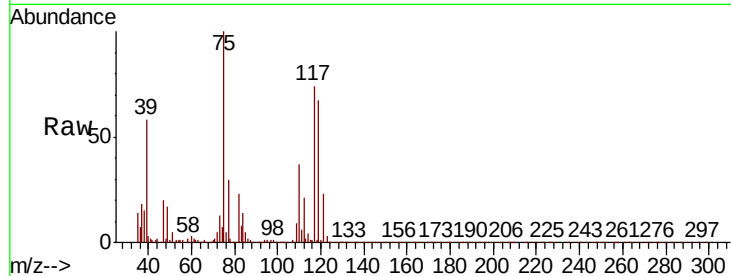
Tot Ion: 75 Resp: 141002

Ion Ratio Lower Upper

75 100

110 36.4 0.0 73.8

77 31.1 0.0 62.4



#30

2-Butanone

Concen: 118.871 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

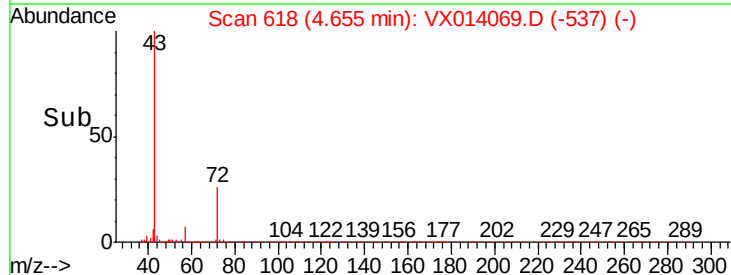
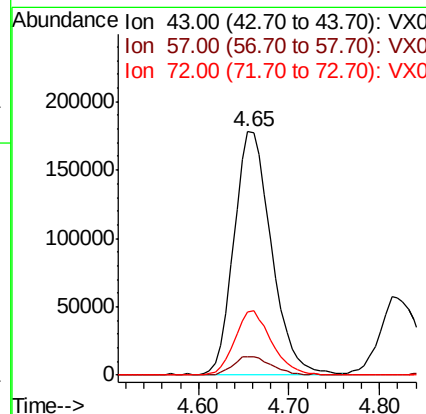
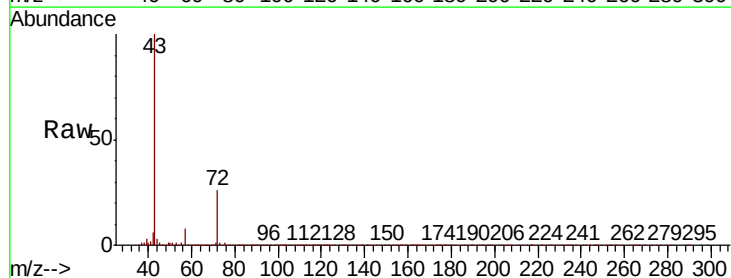
Tgt Ion: 43 Resp: 504640

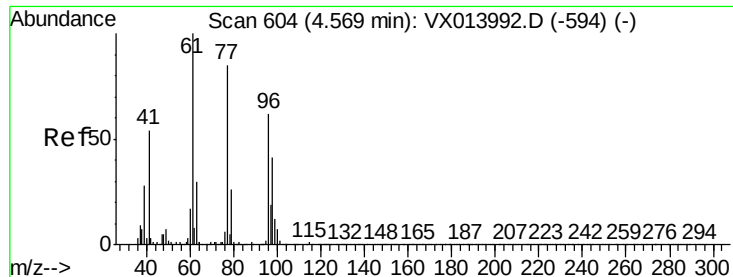
Ion Ratio Lower Upper

43 100

57 7.9 6.2 9.2

72 25.6 20.3 30.5

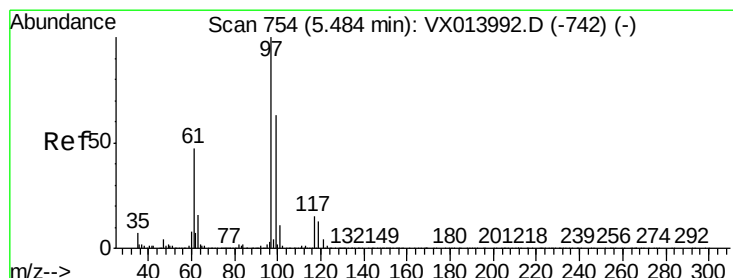
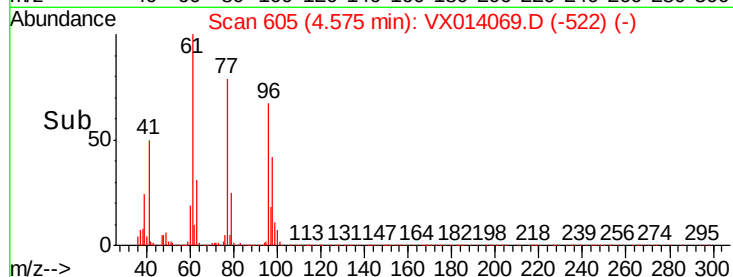
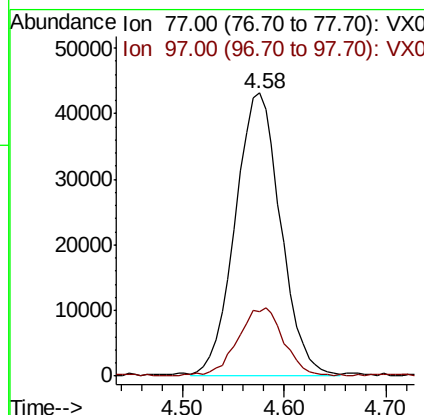
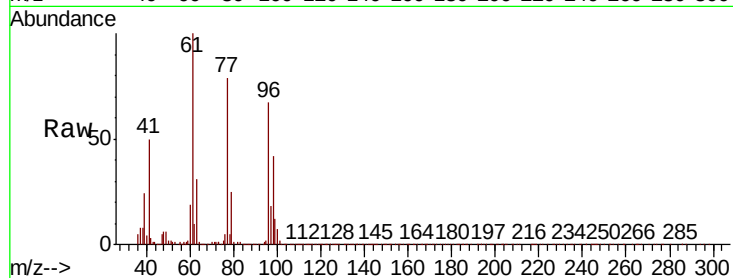




#31
 2,2-Dichloropropane
 Concen: 19.916 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

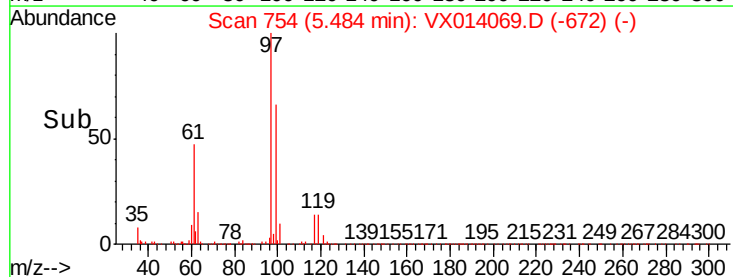
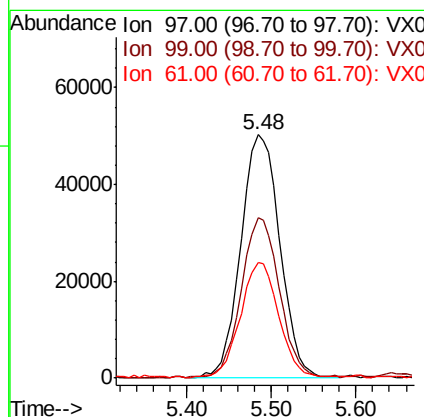
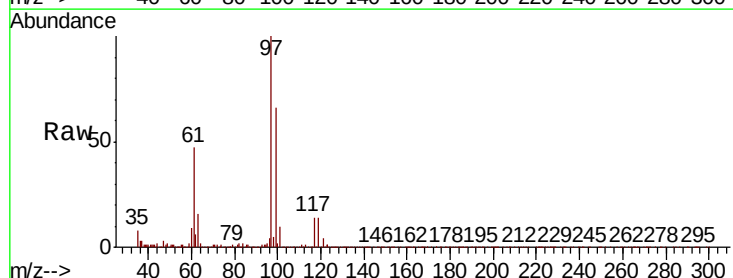
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

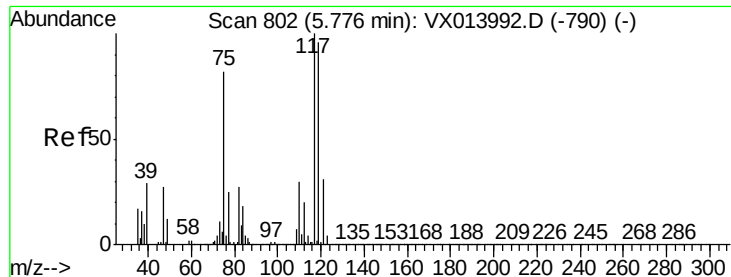
Tot Ion: 77 Resp: 132685
 Ion Ratio Lower Upper
 77 100
 97 23.6 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 19.681 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion: 97 Resp: 156784
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.9 77.9
 61 46.2 36.8 55.2





#33

Carbon Tetrachloride

Concen: 19.413 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

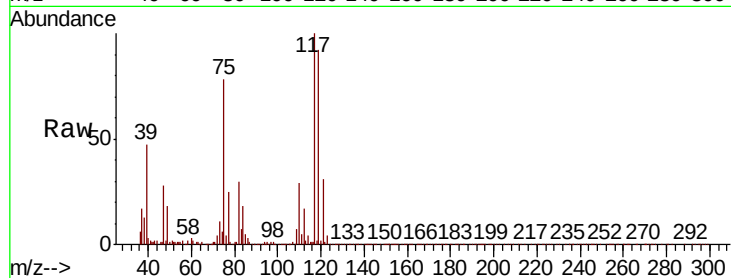
Tot Ion:117 Resp: 131467

Ion Ratio Lower Upper

117 100

119 91.3 77.2 115.8

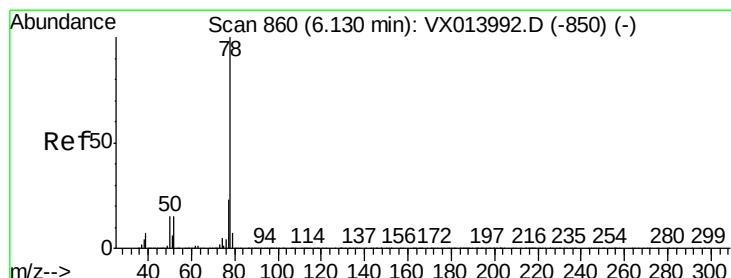
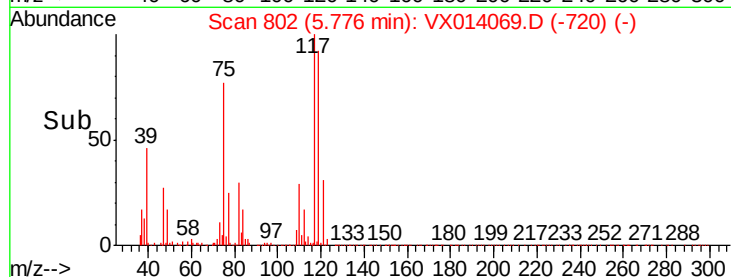
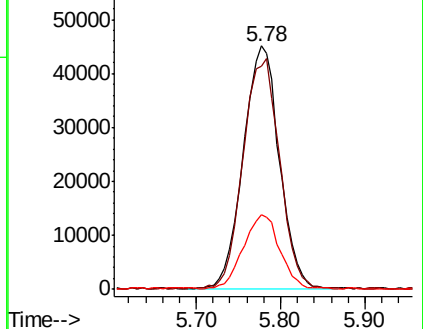
121 30.6 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.979 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

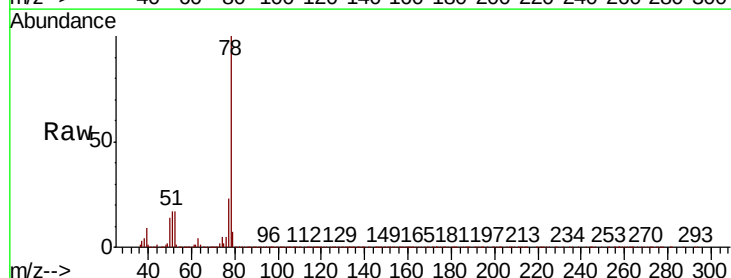
Tgt Ion: 78 Resp: 448688

Ion Ratio Lower Upper

78 100

77 22.9 18.2 27.2

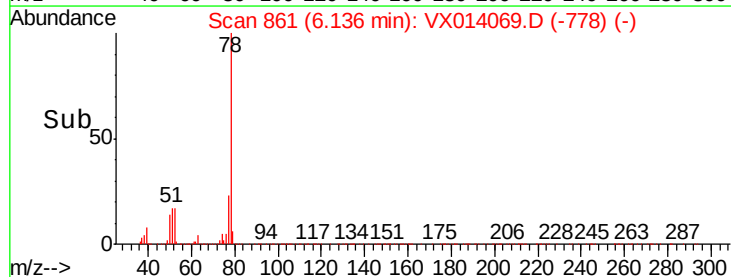
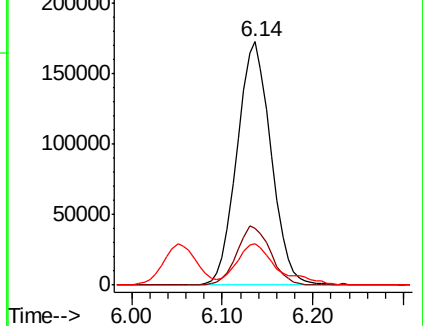
51 16.9 12.4 18.6

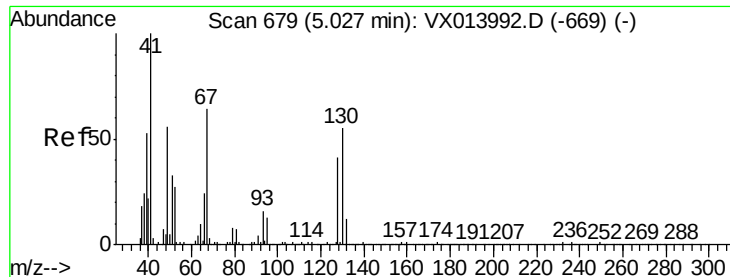


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

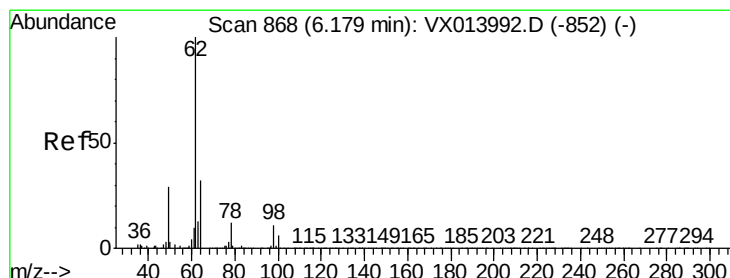
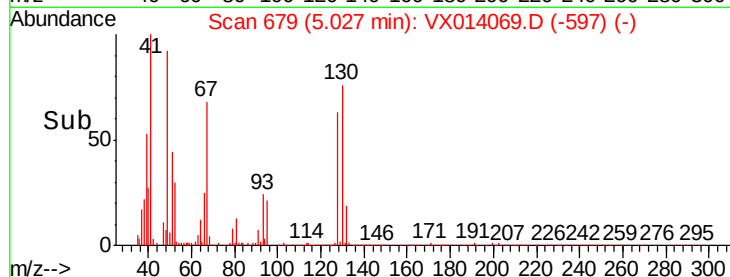
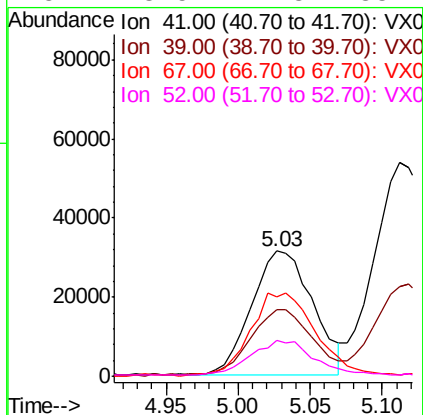
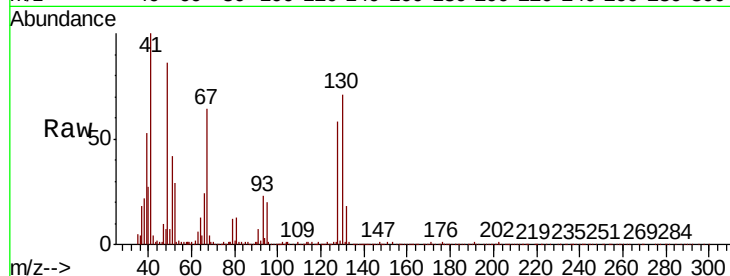




#35
Methacrylonitrile
Concen: 20.095 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

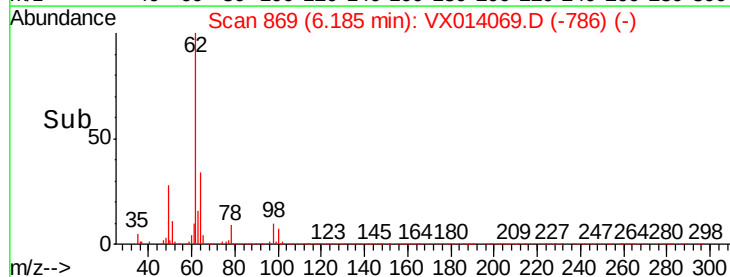
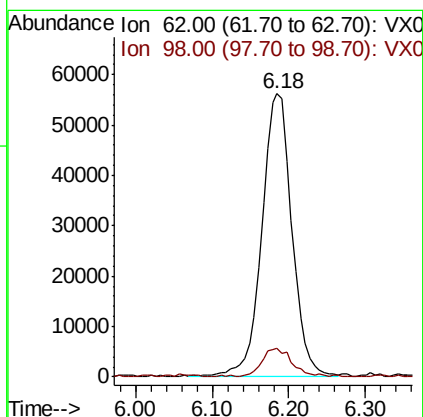
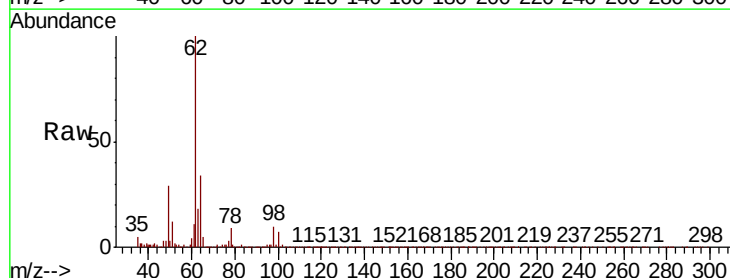
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

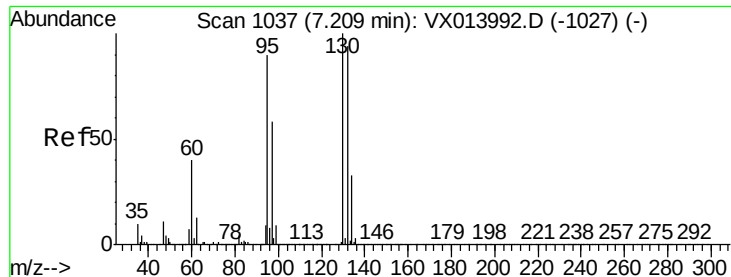
Tot Ion:	41	Resp:	91749
Ion	Ratio	Lower	Upper
41	100		
39	52.0	26.7	80.1
67	63.7	31.5	94.5
52	28.5	12.8	38.4



#36
1,2-Dichloroethane
Concen: 19.571 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion:	62	Resp:	152675
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.4	12.6

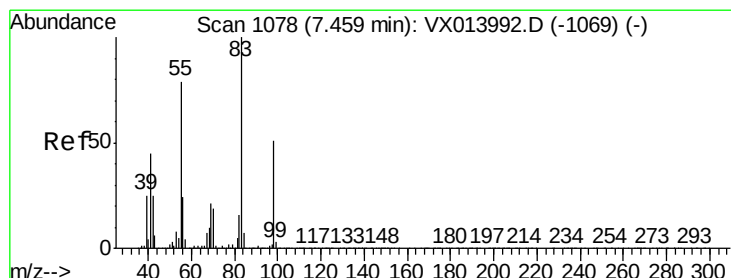
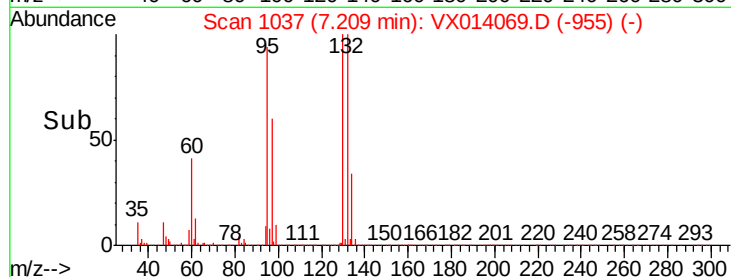
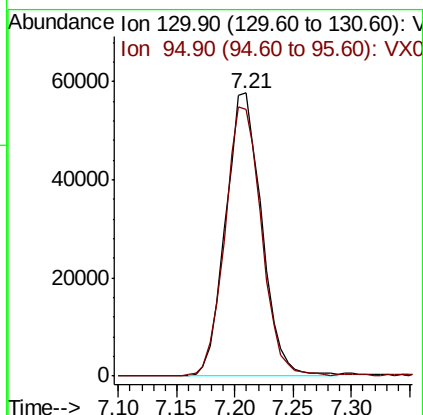
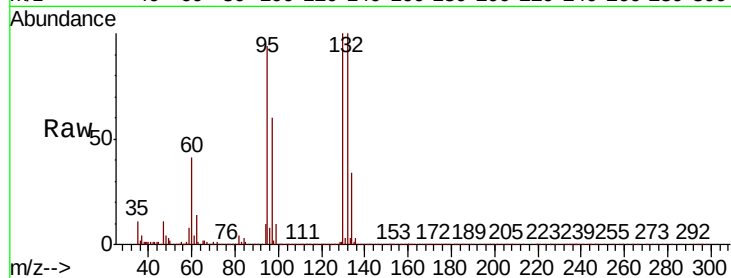




#37
 Trichloroethene
 Concen: 20.372 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

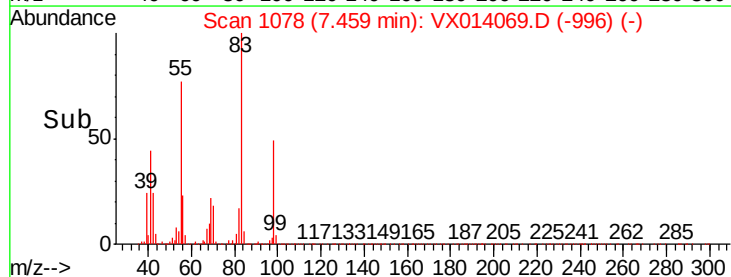
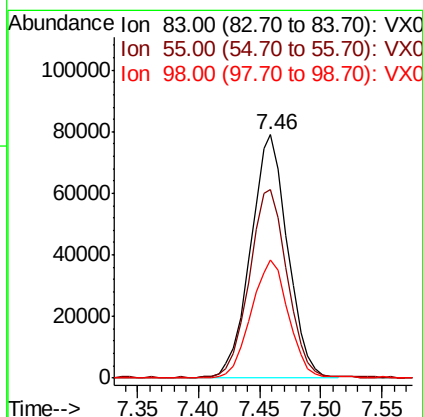
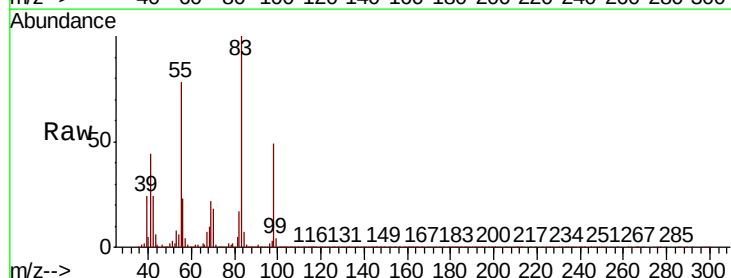
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

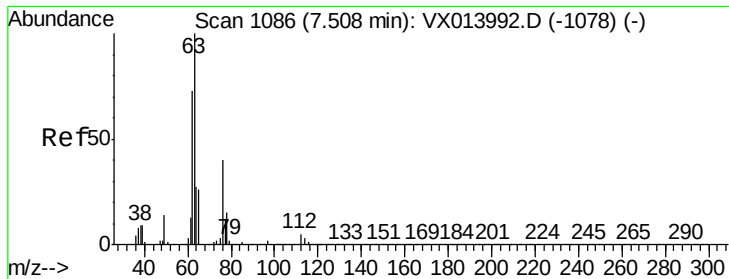
Tot Ion:130 Resp: 124494
 Ion Ratio Lower Upper
 130 100
 95 94.0 71.7 107.5



#38
 Methylcyclohexane
 Concen: 19.294 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion: 83 Resp: 165759
 Ion Ratio Lower Upper
 83 100
 55 78.7 39.4 118.1
 98 49.0 25.1 75.3

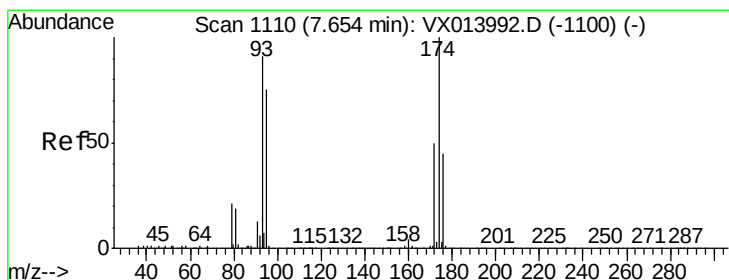
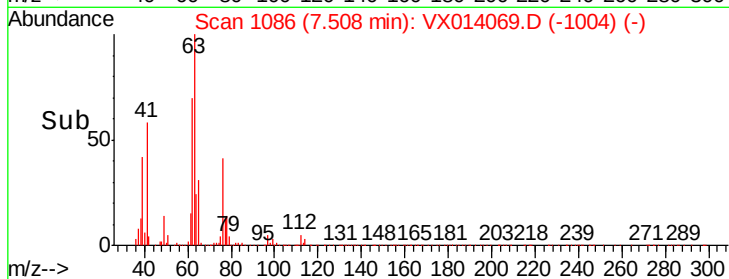
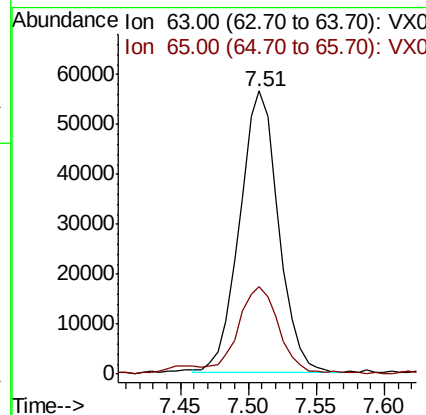
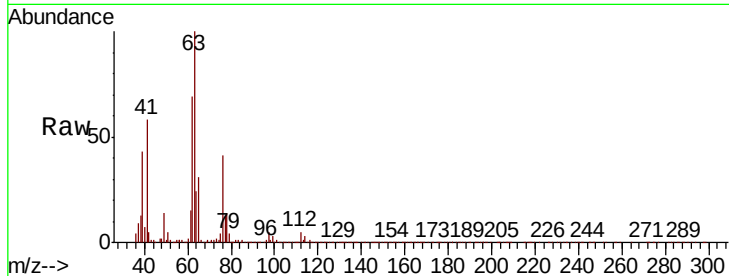




#39
 1,2-Dichloropropane
 Concen: 19.160 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

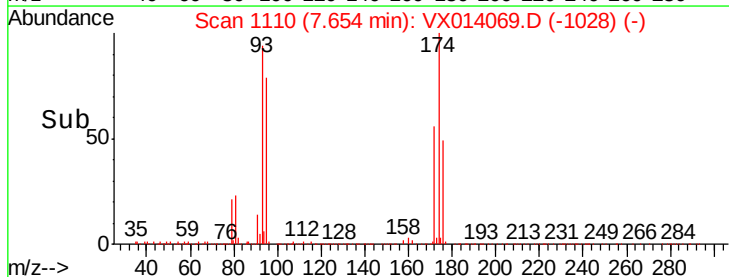
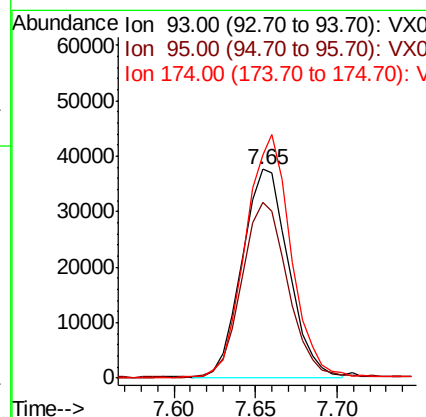
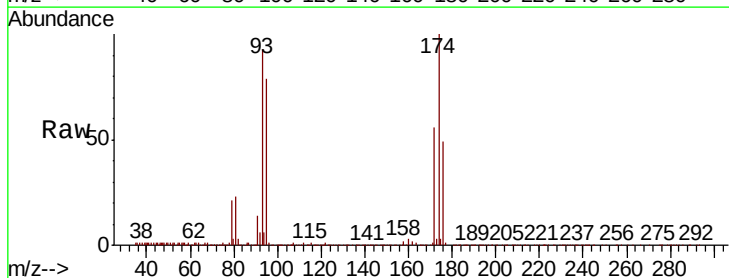
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

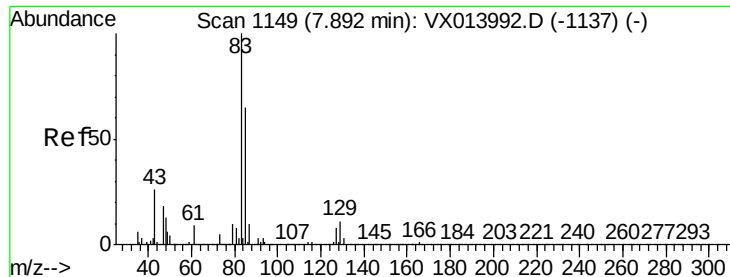
Tot Ion: 63 Resp: 111757
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.1 33.1



#40
 Dibromomethane
 Concen: 19.942 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion: 93 Resp: 74307
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 164.4
 174 112.7 0.0 228.8





#41

Bromodichloromethane

Concen: 19.263 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

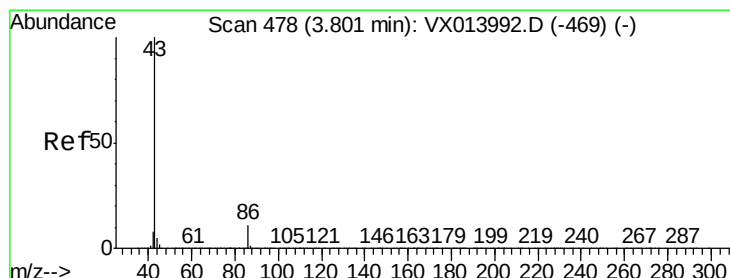
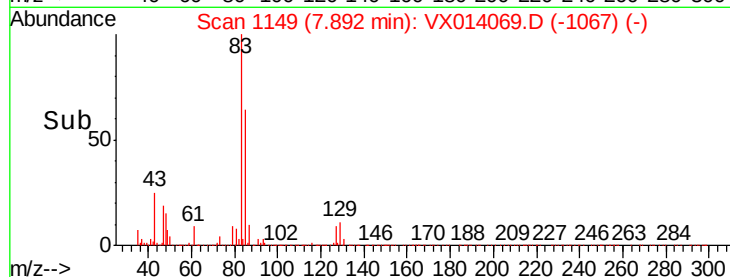
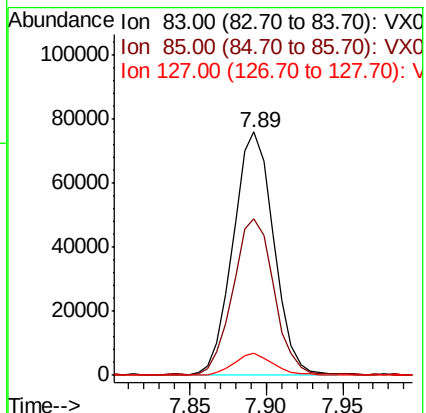
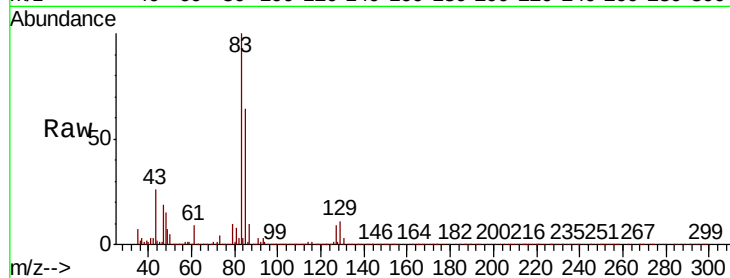
Tot Ion: 83 Resp: 138983

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4

127 8.8 6.0 9.0



#42

Vinyl Acetate

Concen: 68.359 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014069.D

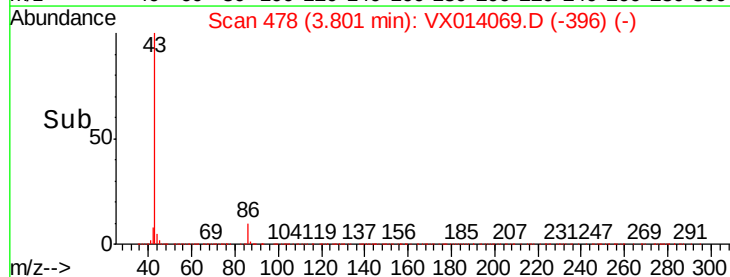
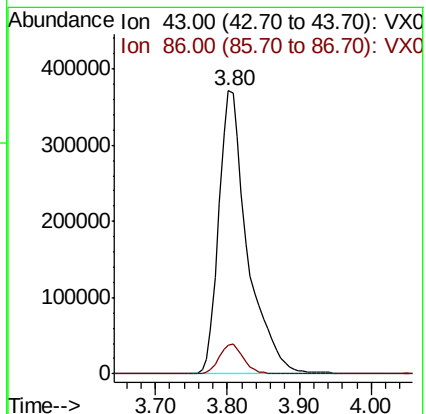
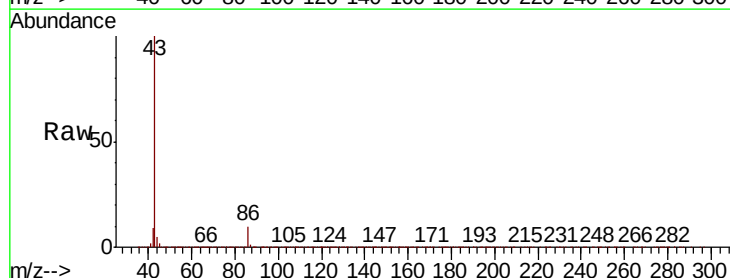
Acq: 17 Dec 2019 22:48

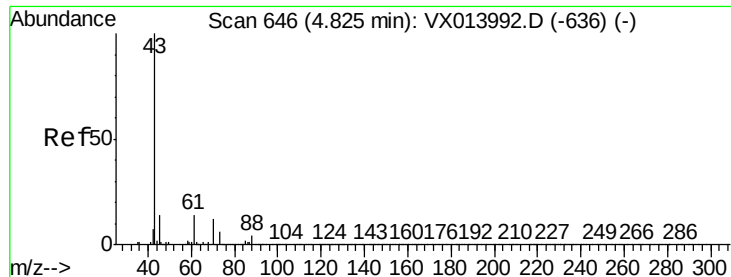
Tgt Ion: 43 Resp: 1024584

Ion Ratio Lower Upper

43 100

86 8.8 7.7 11.5

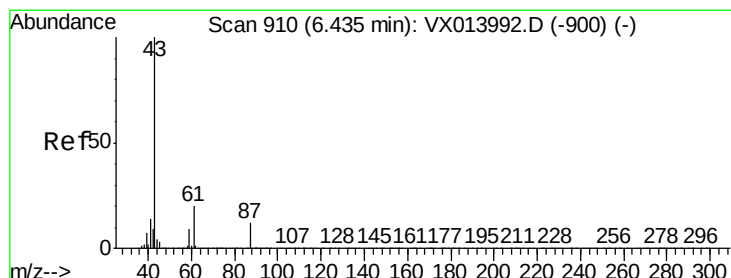
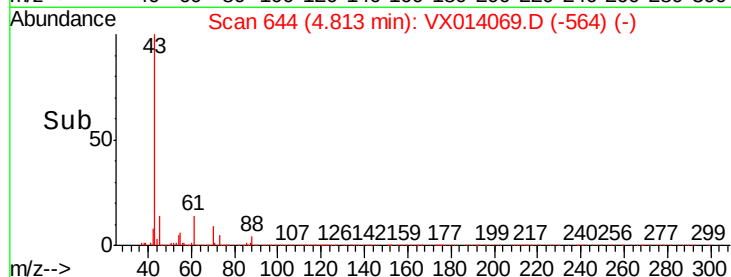
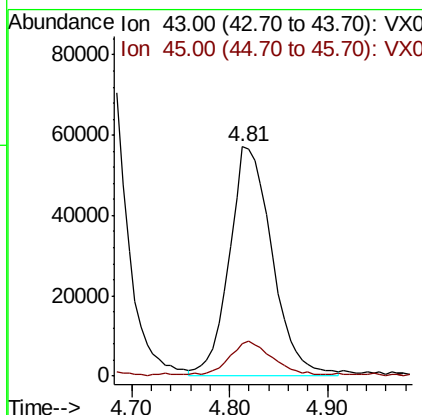
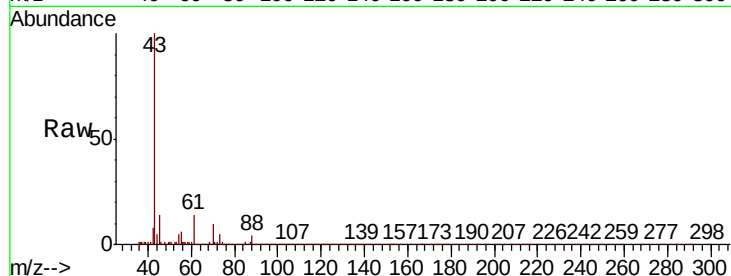




#43
Ethyl Acetate
Concen: 21.195 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

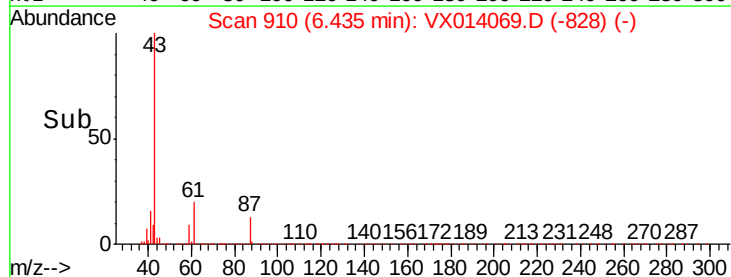
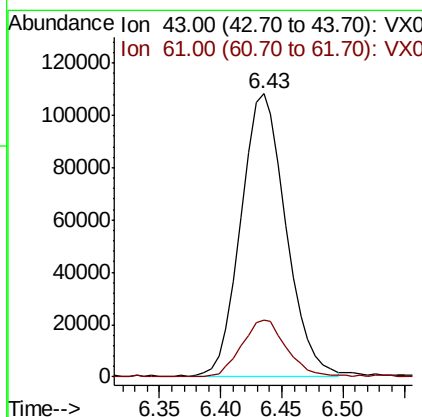
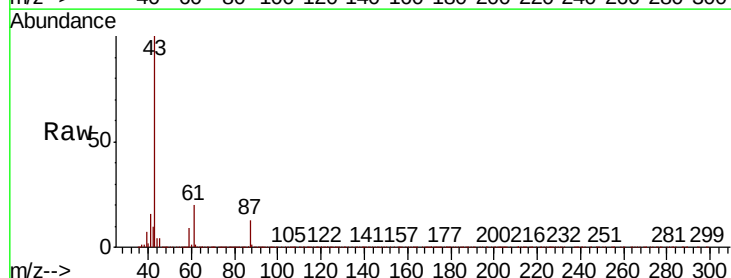
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

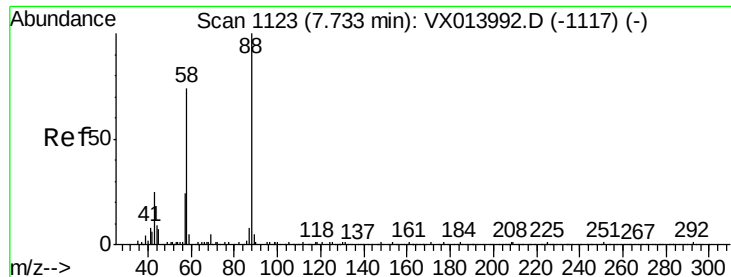
Tot Ion: 43 Resp: 172652
Ion Ratio Lower Upper
43 100
45 15.0 11.8 17.8



#44
Isopropyl Acetate
Concen: 20.201 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 43 Resp: 275612
Ion Ratio Lower Upper
43 100
61 19.8 15.9 23.9





#45

1,4-Dioxane

Concen: 429.165 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

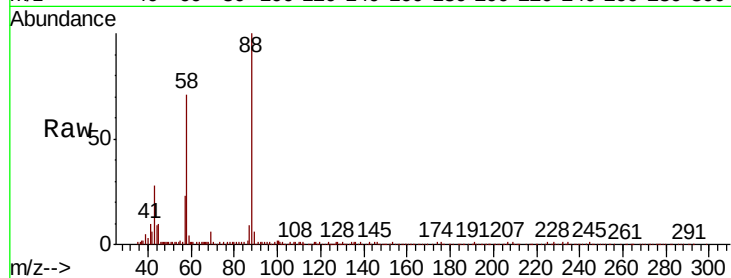
Tot Ion: 88 Resp: 54832

Ion Ratio Lower Upper

88 100

43 33.5 25.4 38.2

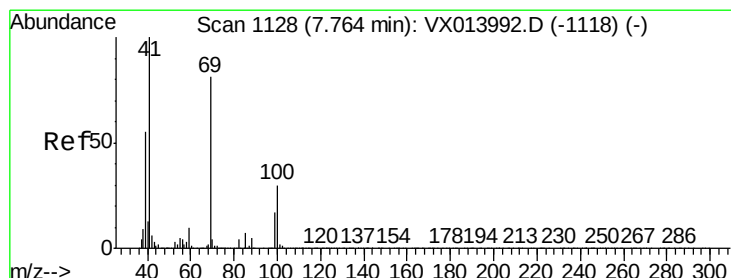
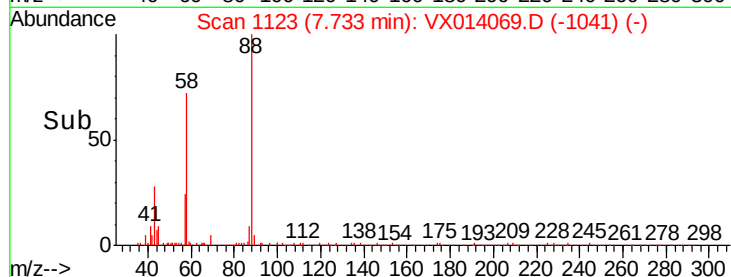
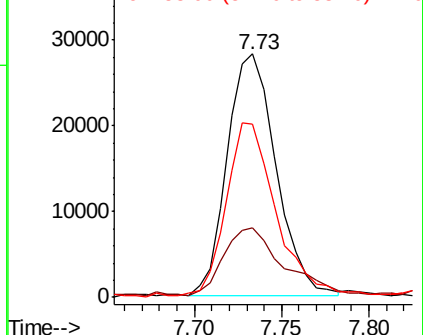
58 71.9 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 20.210 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

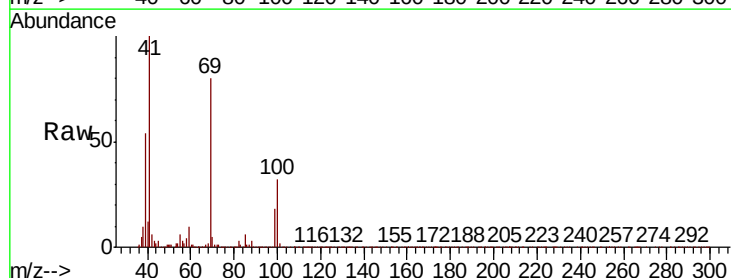
Tgt Ion: 41 Resp: 133930

Ion Ratio Lower Upper

41 100

69 80.1 40.6 122.0

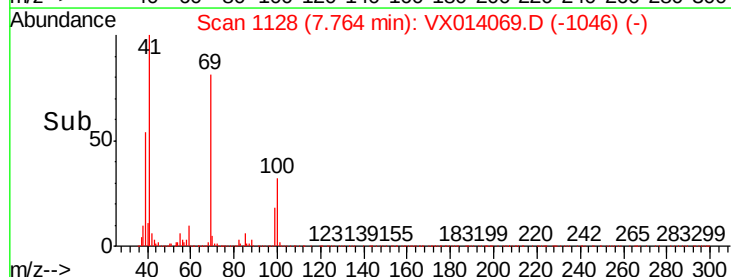
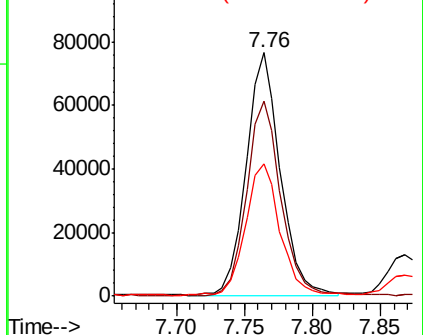
39 53.6 27.8 83.3

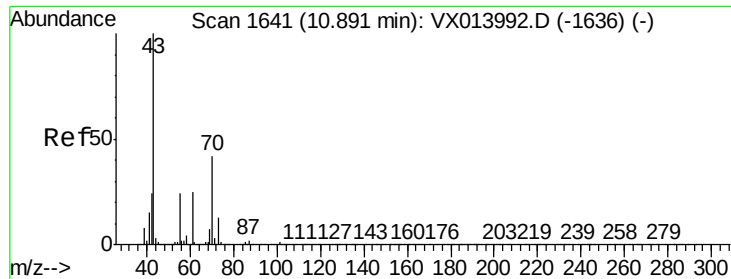


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

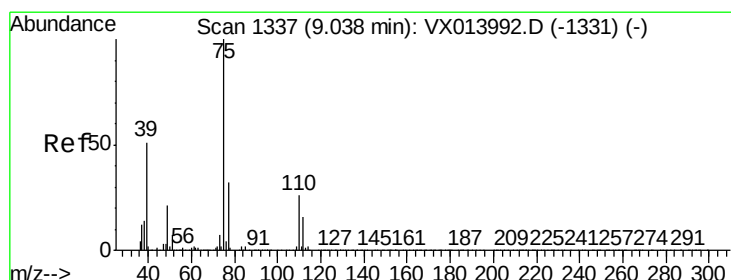
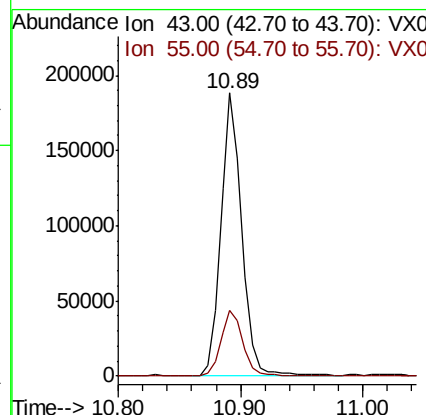
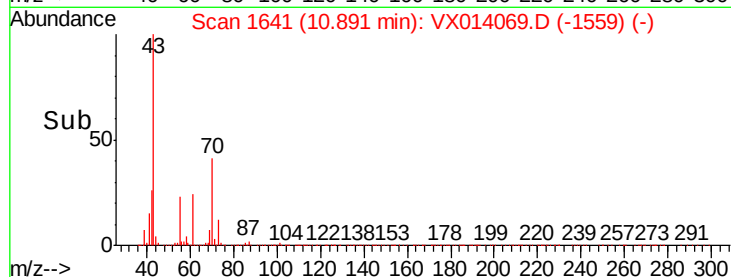
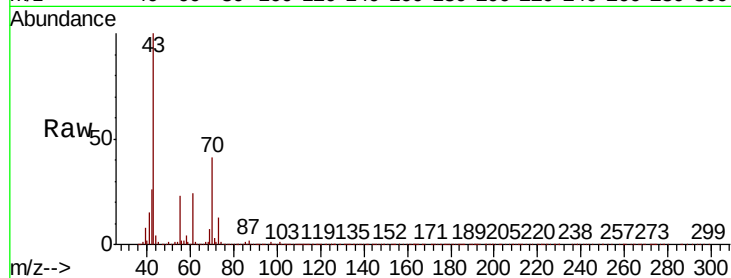




#47
n-amvl Acetate
Concen: 18.398 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

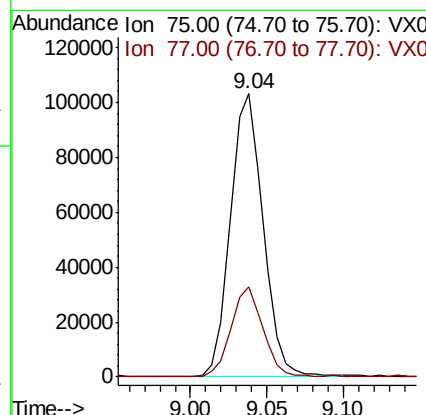
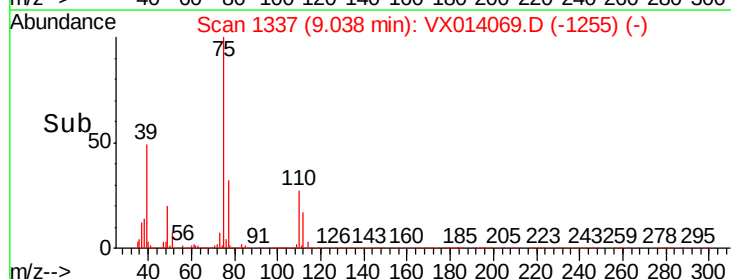
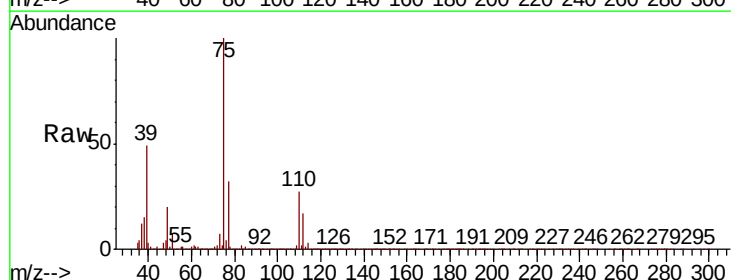
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

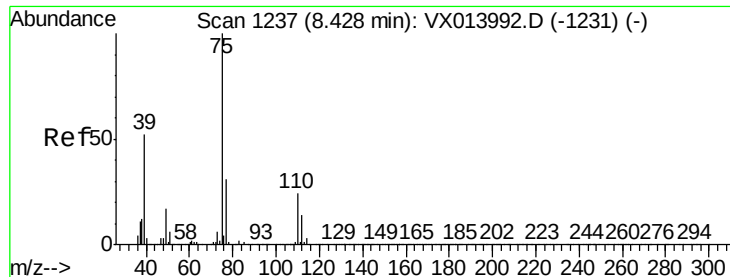
Tot Ion: 43 Resp: 223193
Ion Ratio Lower Upper
43 100
55 24.0 19.4 29.2



#48
t-1,3-Dichloropropene
Concen: 19.309 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 75 Resp: 152057
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0



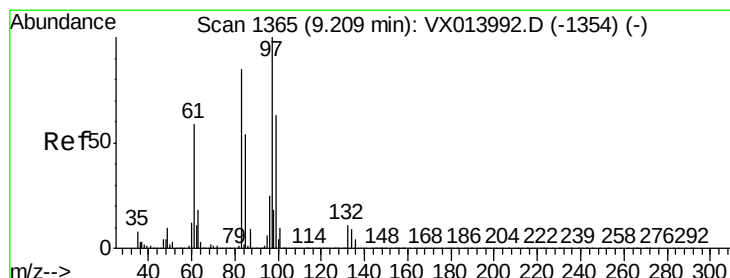
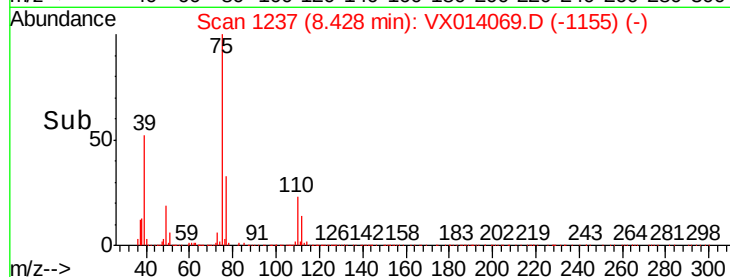
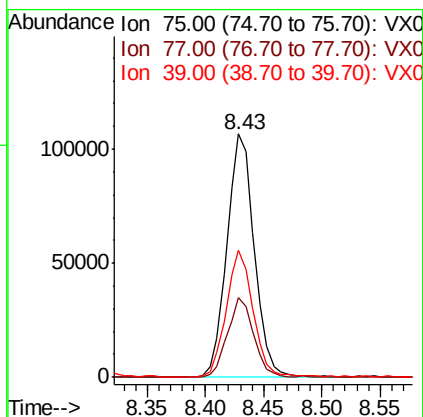
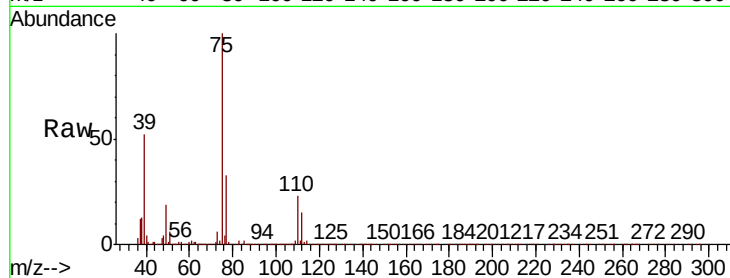


#49

cis-1,3-Dichloropropene
Concen: 19.652 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

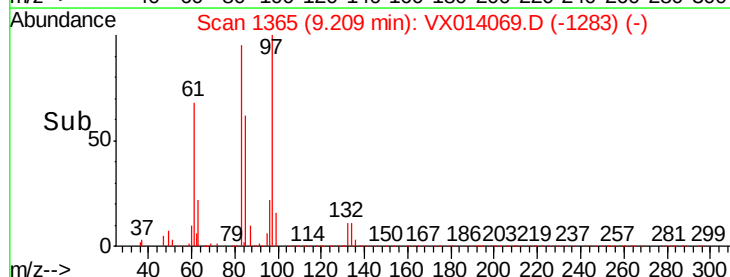
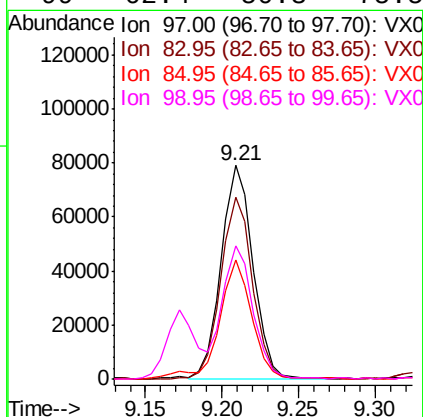
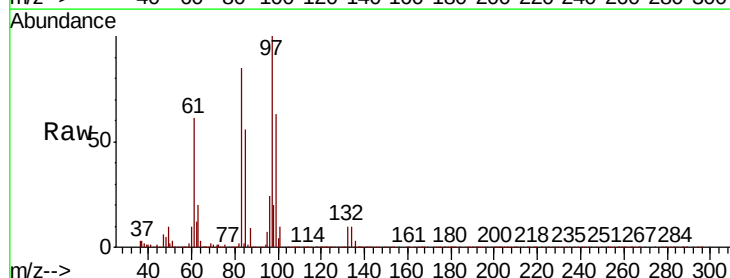
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.8	37.2
39	51.8	41.1	61.7

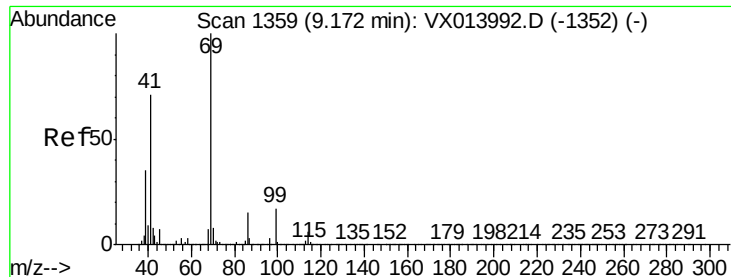


#50

1,1,2-Trichloroethane
Concen: 19.884 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.1	102.1
85	55.9	42.7	64.1
99	62.4	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.459 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

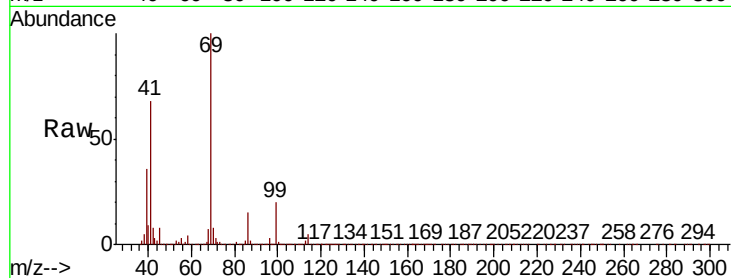
MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 69 Resp: 177998

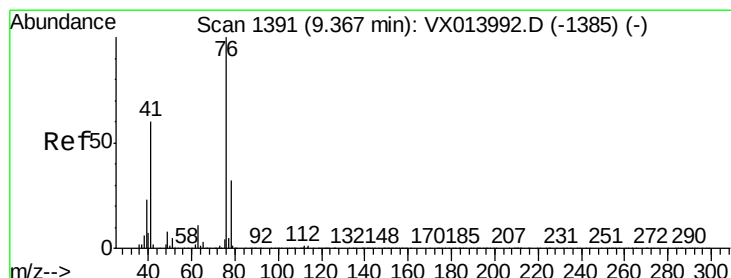
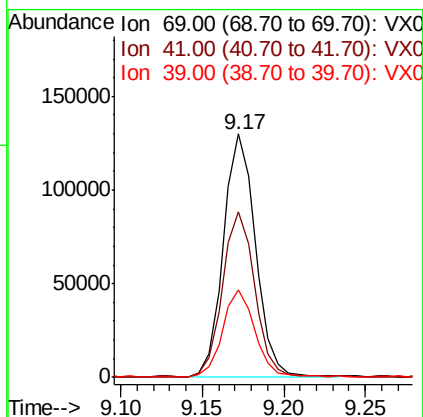
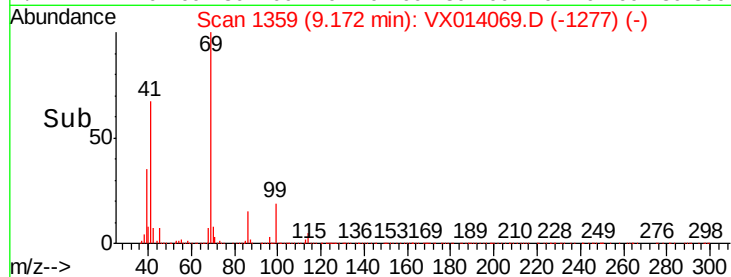
Ion	Ratio	Lower	Upper
69	100		
41	67.7	35.4	106.1
39	35.8	17.8	53.3



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



#52

1,3-Dichloropropane

Concen: 19.590 ug/l

RT: 9.37 min Scan# 1391

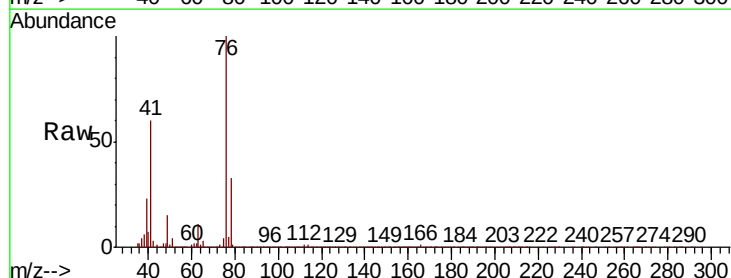
Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

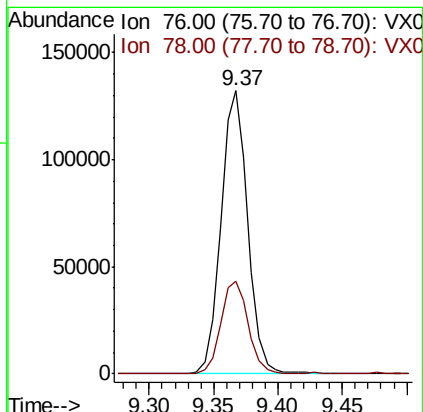
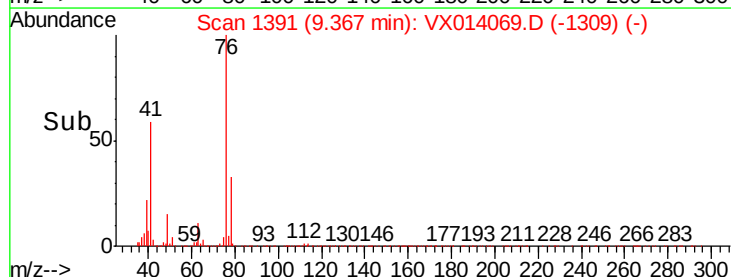
Tgt Ion: 76 Resp: 191401

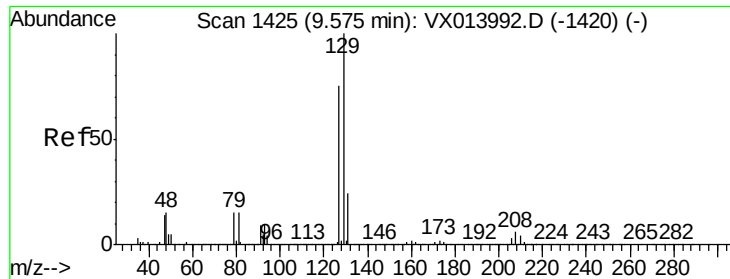
Ion	Ratio	Lower	Upper
76	100		
78	33.4	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.132 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

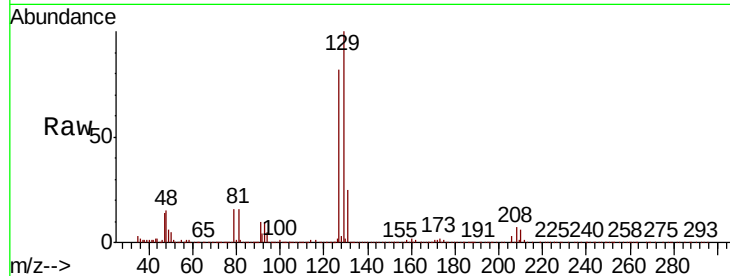
VSTDCCC020

Tot Ion:129 Resp: 110014

Ion Ratio Lower Upper

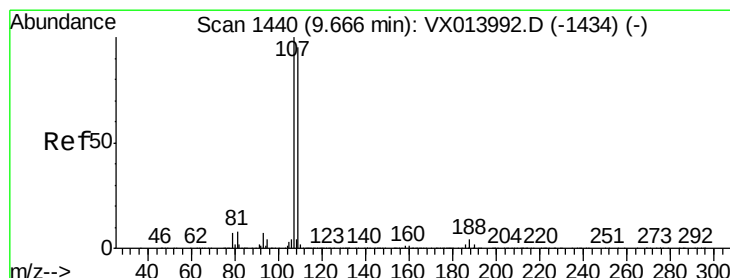
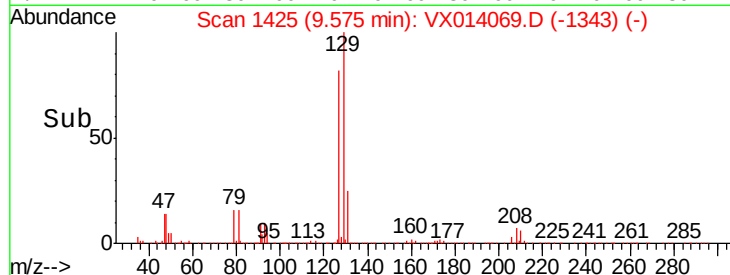
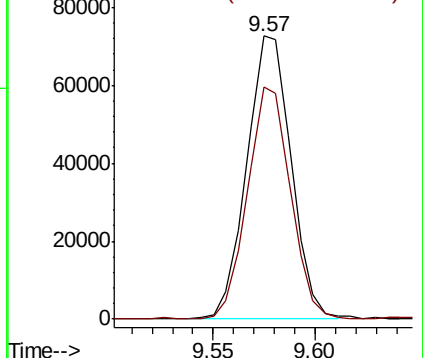
129 100

127 79.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.765 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014069.D

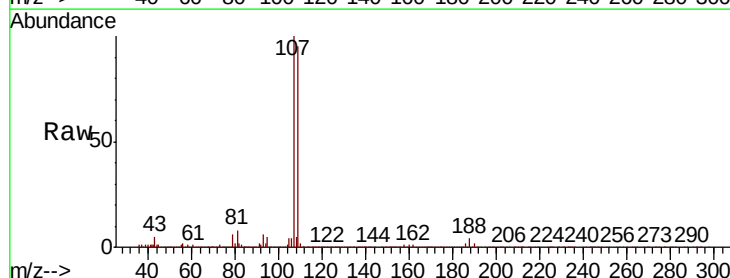
Acq: 17 Dec 2019 22:48

Tgt Ion:107 Resp: 117024

Ion Ratio Lower Upper

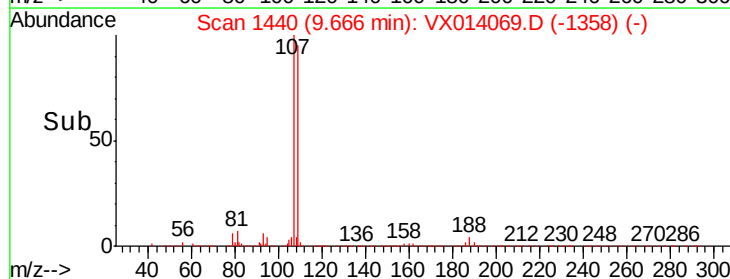
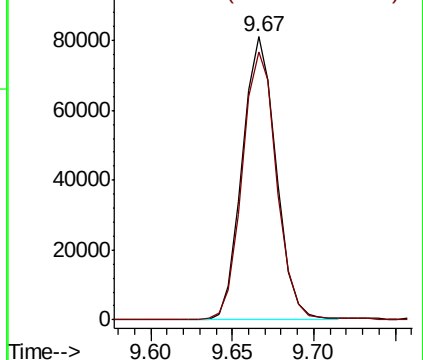
107 100

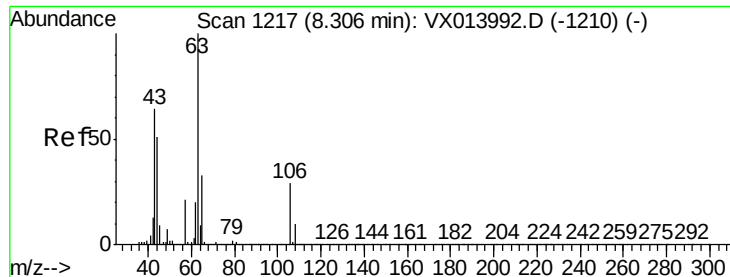
109 96.4 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

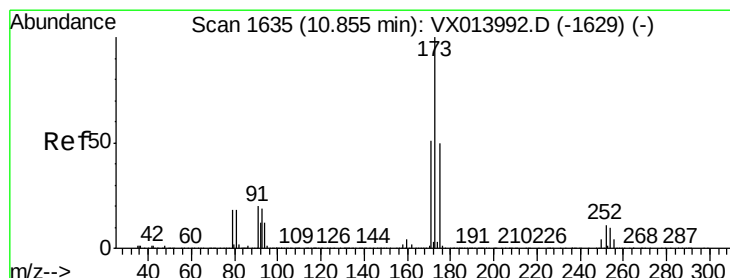
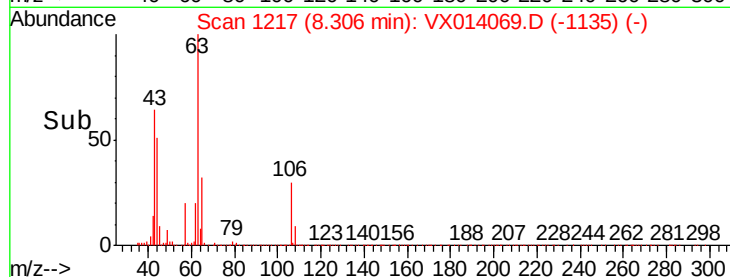
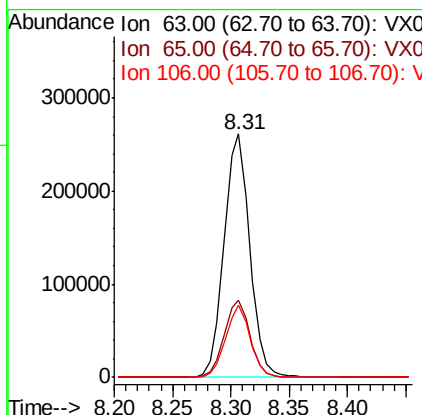
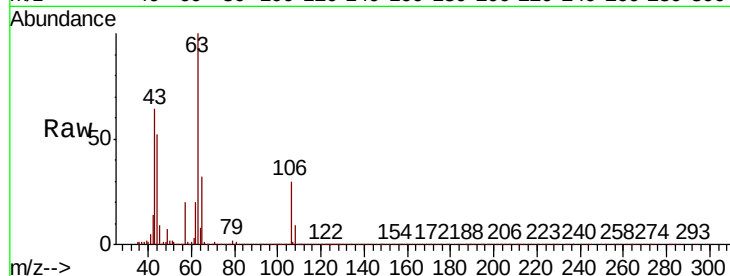




#55
2-Chloroethyl vinyl ether
Concen: 98.683 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

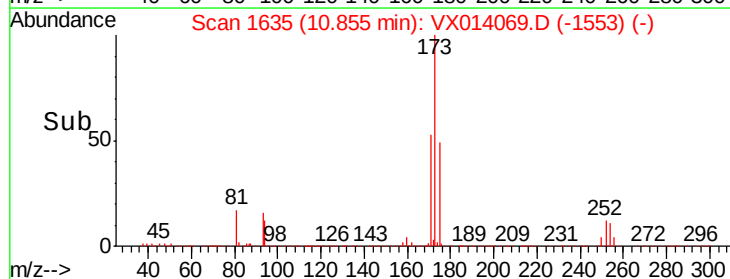
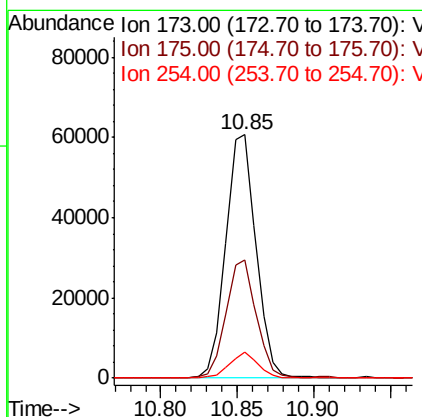
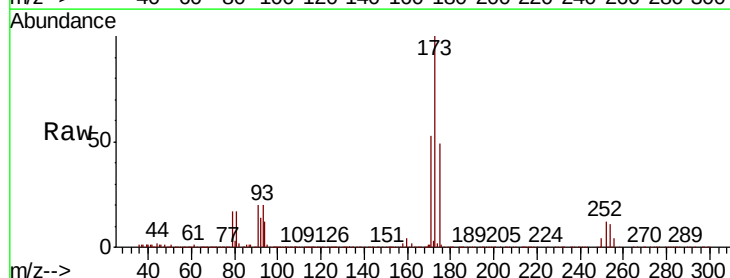
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

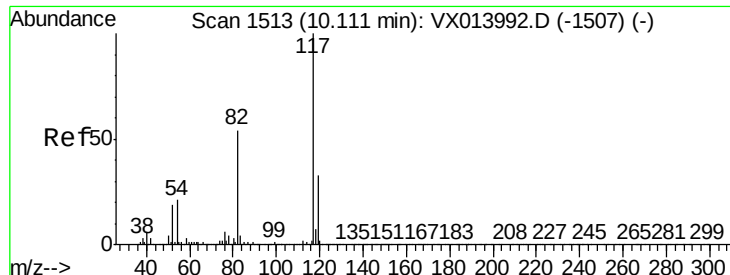
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.8	38.6
106	28.2	22.9	34.3



#56
Bromoform
Concen: 18.613 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.5	59.3
254	10.0	8.2	12.4

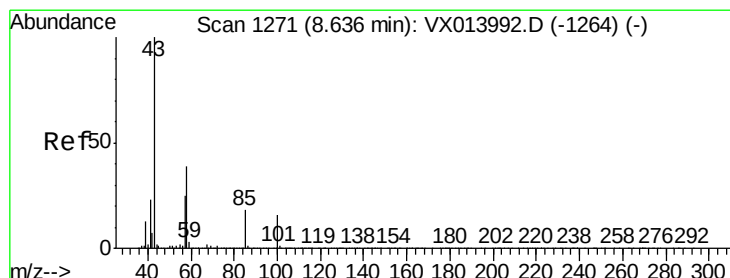
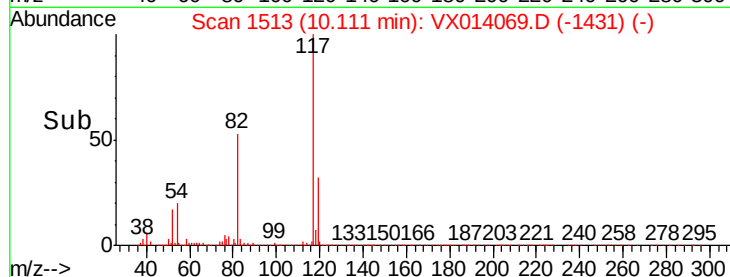
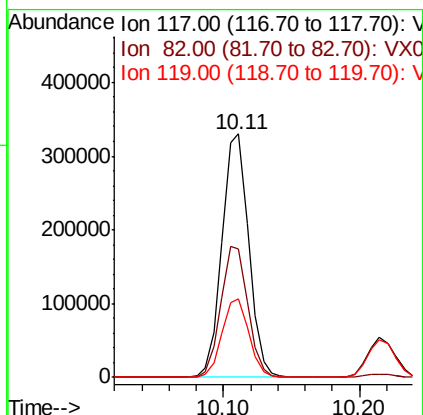
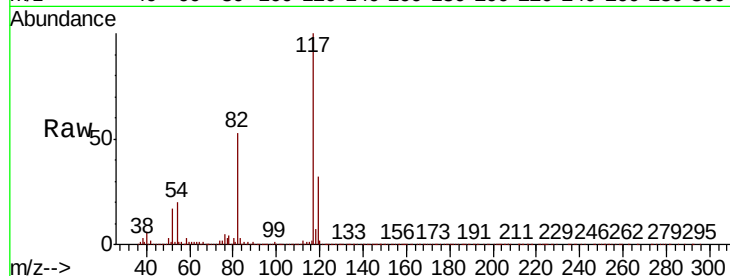




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

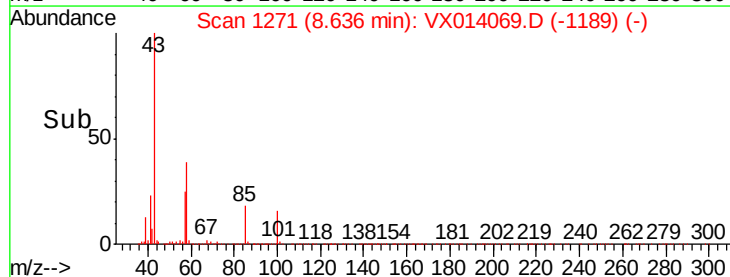
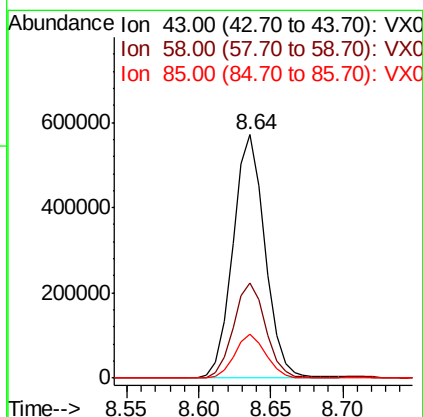
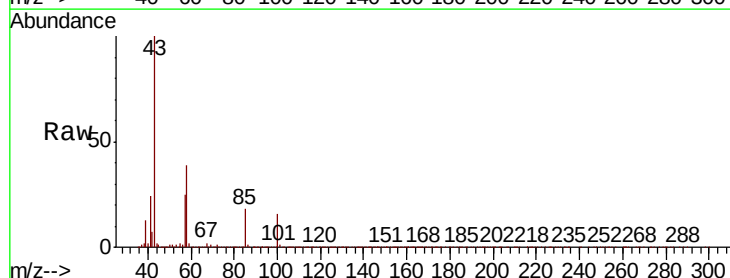
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

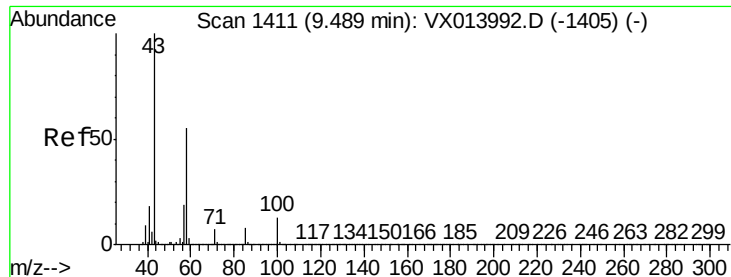
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.8	65.6
119	32.1	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 105.131 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.2	46.8
85	17.6	14.2	21.2

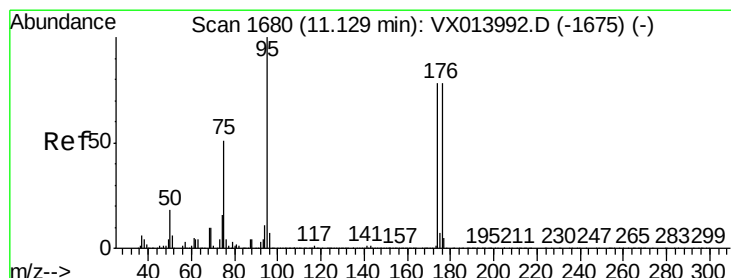
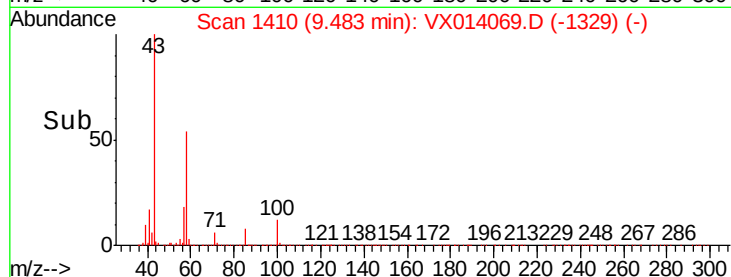
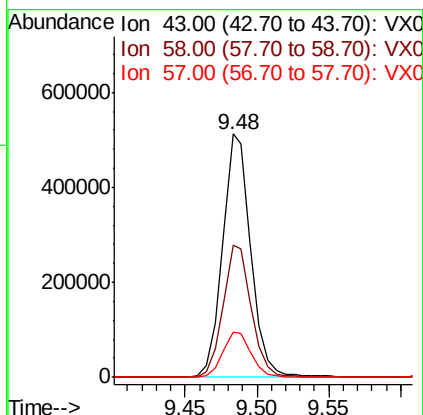
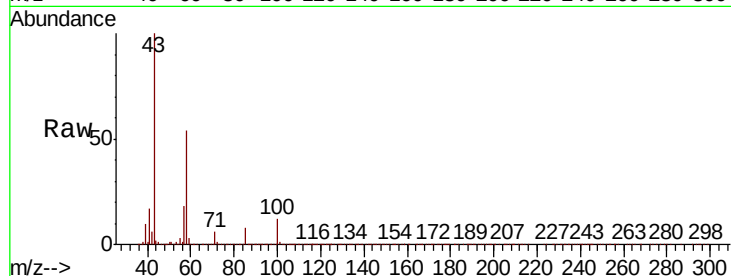




#59
2-Hexanone
Concen: 109.865 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

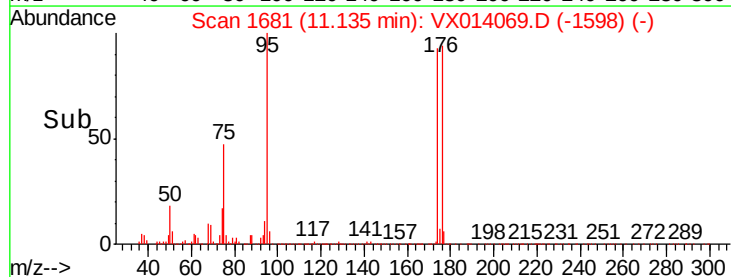
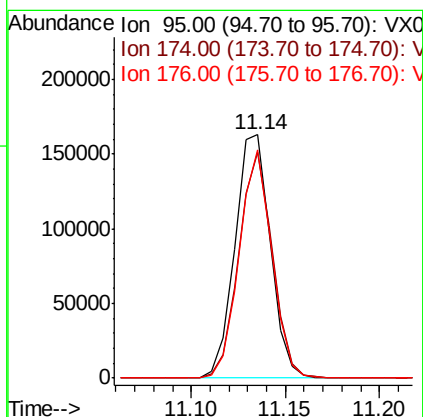
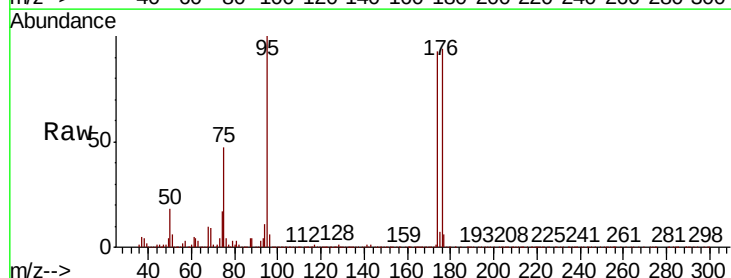
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

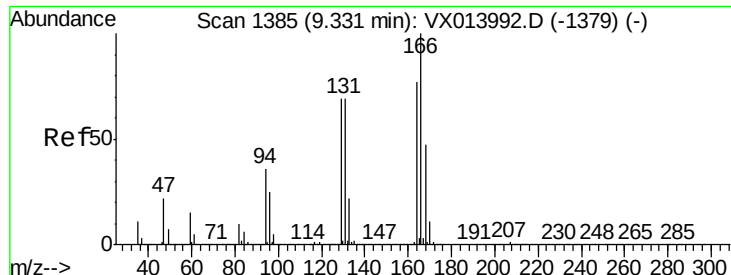
Tot Ion: 43 Resp: 703473
Ion Ratio Lower Upper
43 100
58 54.8 43.8 65.6
57 18.8 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.206 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion: 95 Resp: 212674
Ion Ratio Lower Upper
95 100
174 87.9 70.2 105.2
176 86.5 68.3 102.5





#61

Tetrachloroethene

Concen: 29.044 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 173266

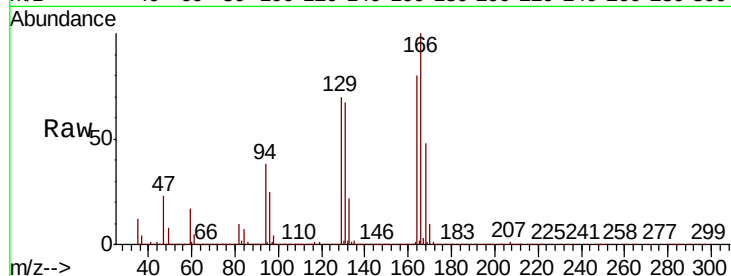
Ion Ratio Lower Upper

164 100

166 124.1 104.2 156.2

129 86.4 71.6 107.4

131 82.9 71.7 107.5

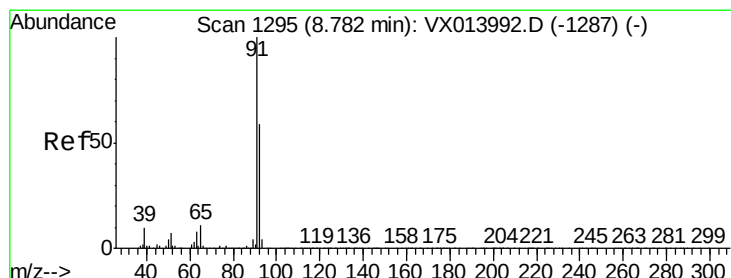
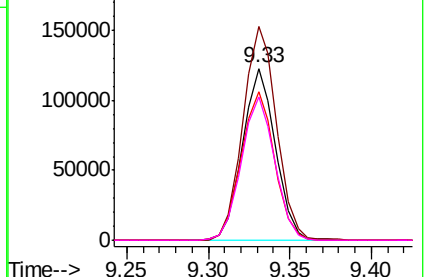
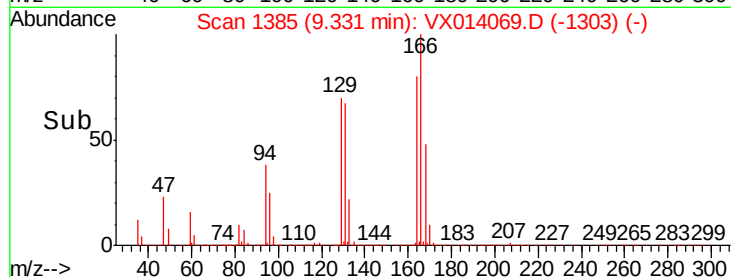


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.940 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014069.D

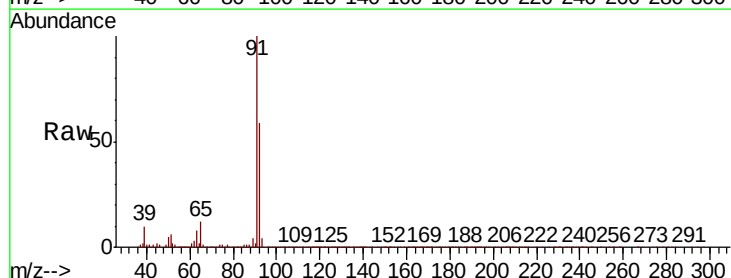
Acq: 17 Dec 2019 22:48

Tgt Ion: 91 Resp: 478232

Ion Ratio Lower Upper

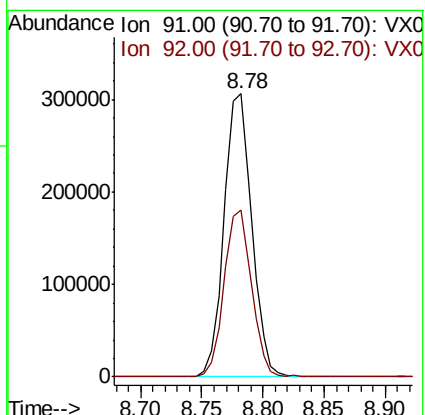
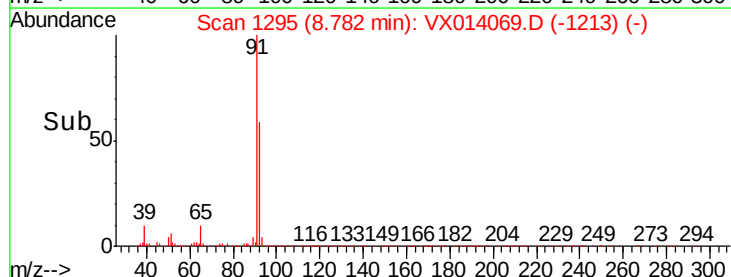
91 100

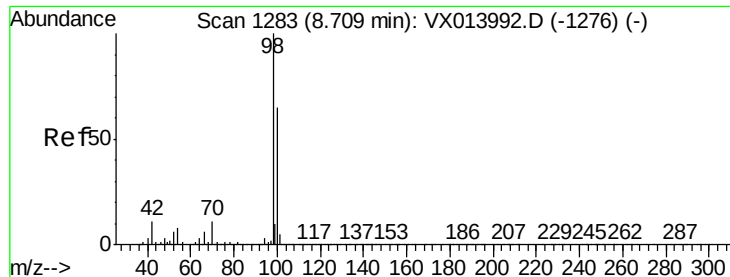
92 58.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.464 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

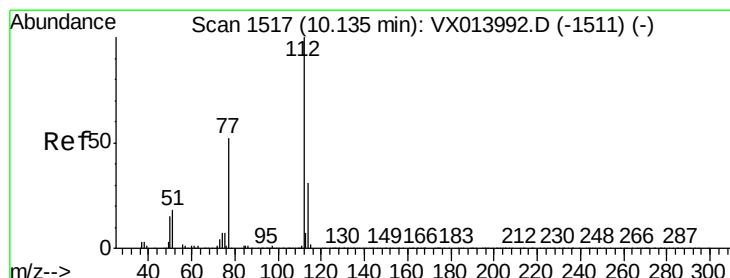
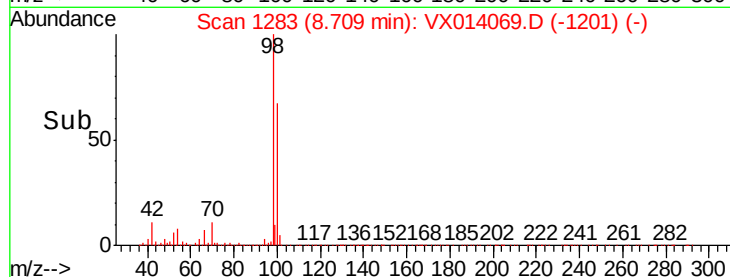
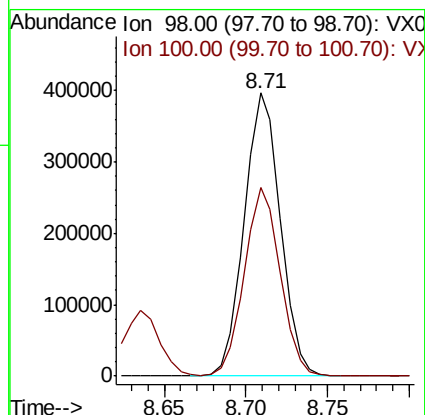
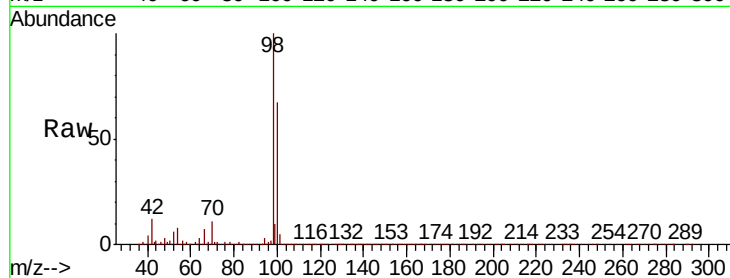
VSTDCCC020

Tot Ion: 98 Resp: 614054

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#64

Chlorobenzene

Concen: 19.881 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014069.D

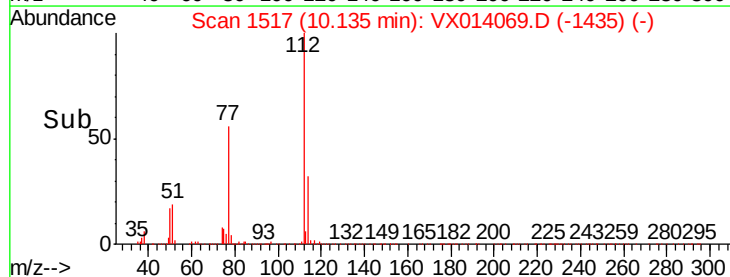
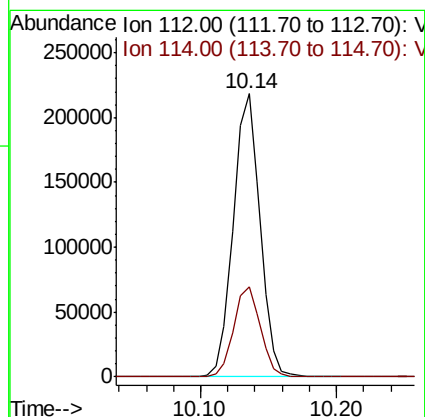
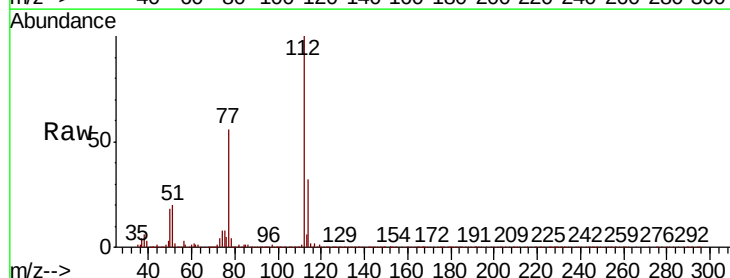
Acq: 17 Dec 2019 22:48

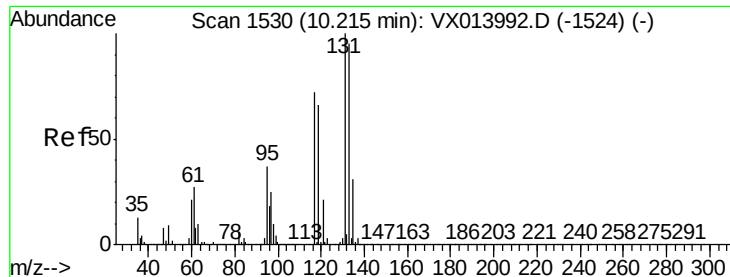
Tgt Ion: 112 Resp: 298724

Ion Ratio Lower Upper

112 100

114 31.8 24.4 36.6

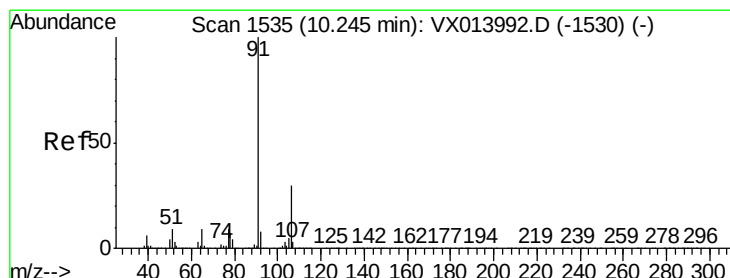
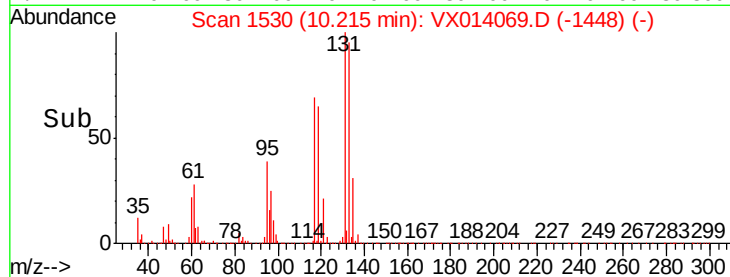
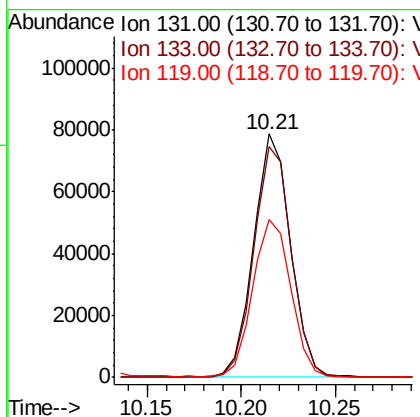
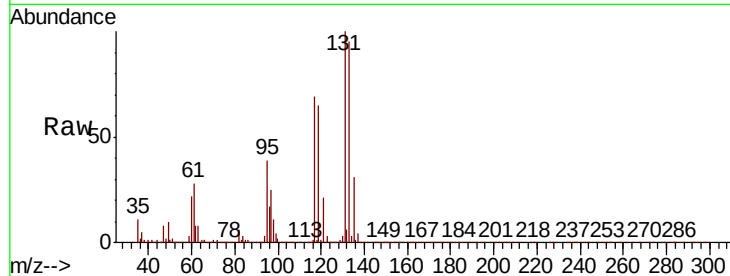




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.196 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

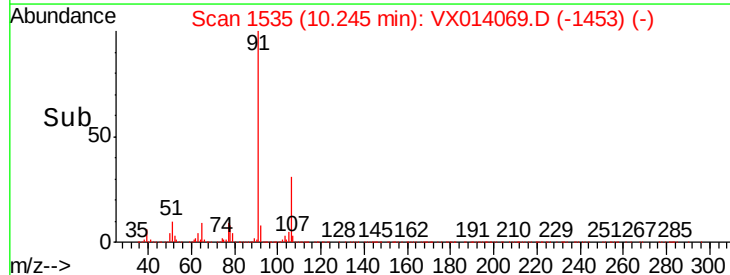
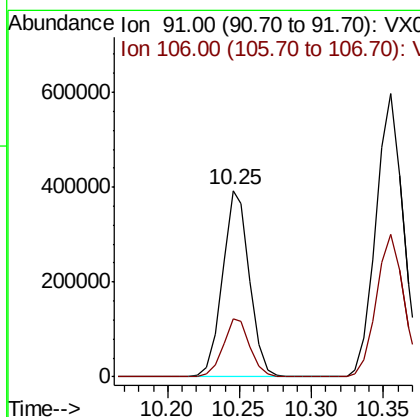
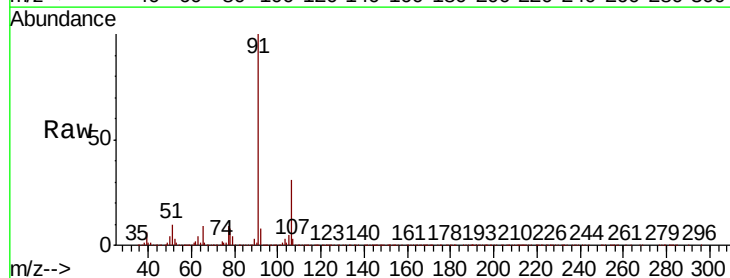
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

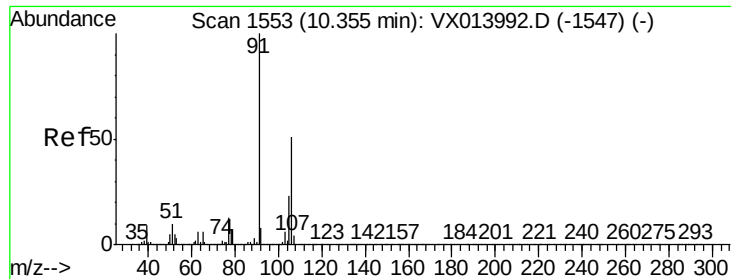
Tot Ion	Ratio	Lower	Upper
131	100		
133	96.8	0.0	189.8
119	67.0	0.0	132.2



#66
 Ethyl Benzene
 Concen: 19.594 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.2	36.2

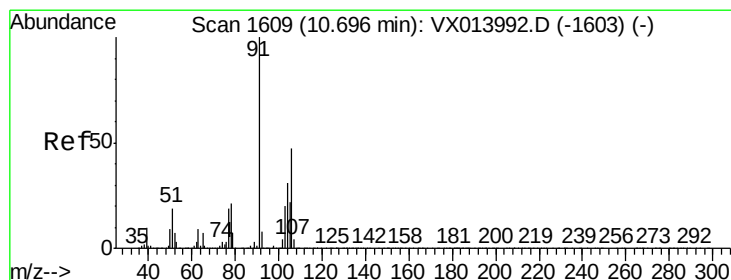
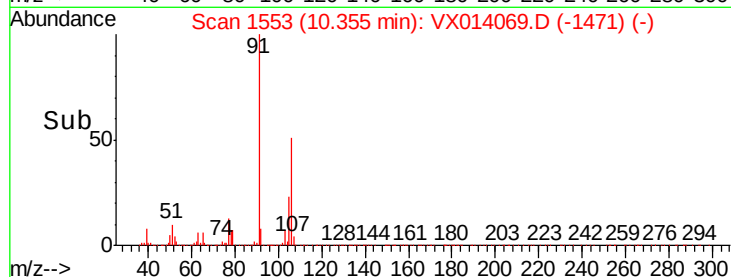
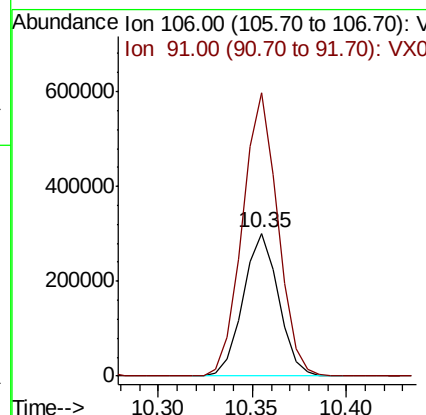
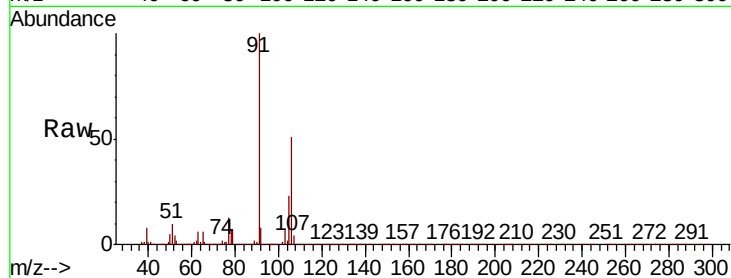




#67
m/p-Xylenes
Concen: 39.097 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

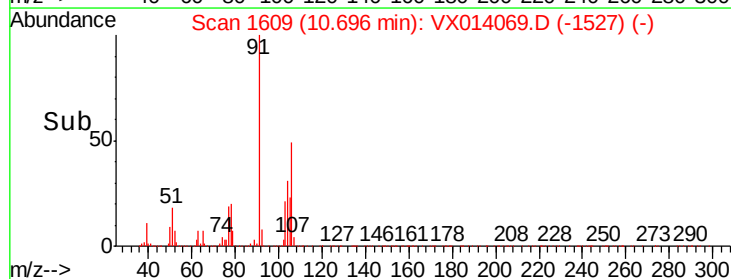
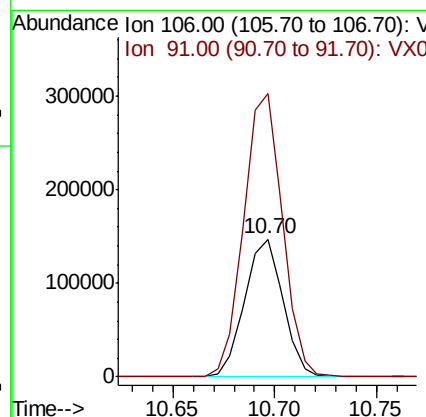
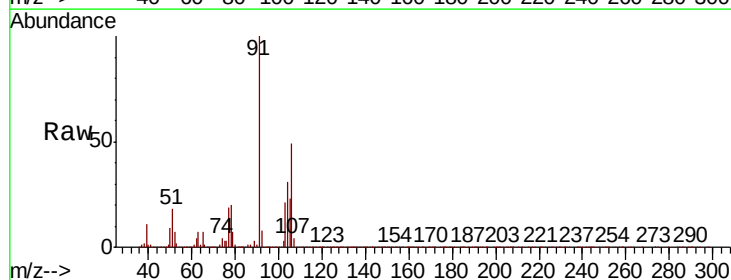
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

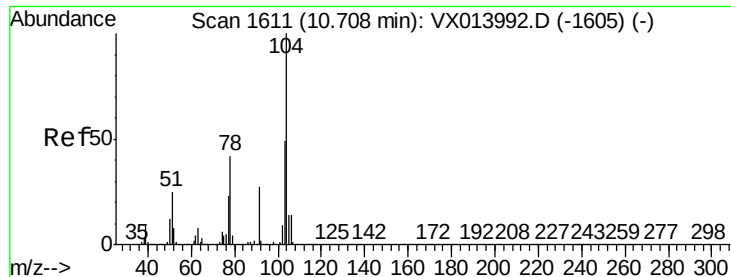
Tot Ion:106 Resp: 392270
Ion Ratio Lower Upper
106 100
91 198.5 159.3 238.9



#68
o-Xylene
Concen: 19.284 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion:106 Resp: 191674
Ion Ratio Lower Upper
106 100
91 207.7 104.8 314.6

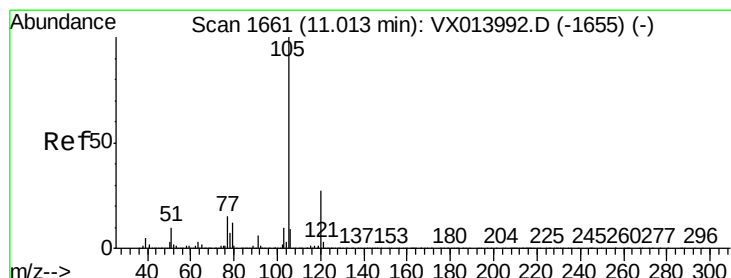
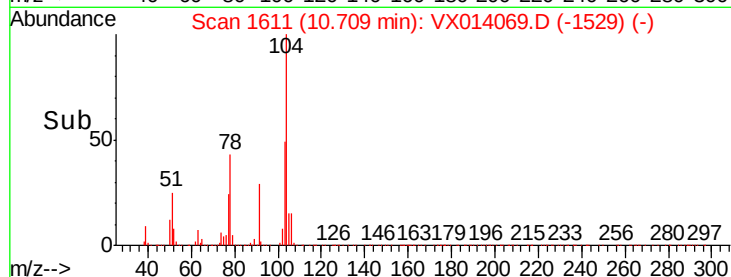
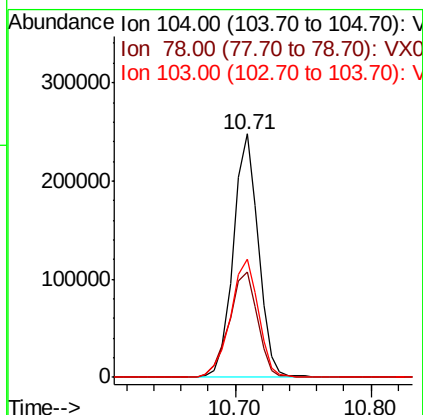
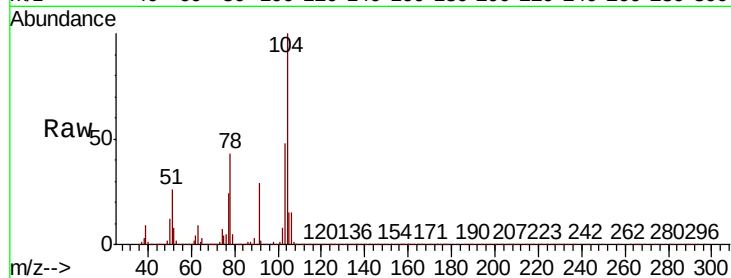




#69
Stvrene
Concen: 18.781 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

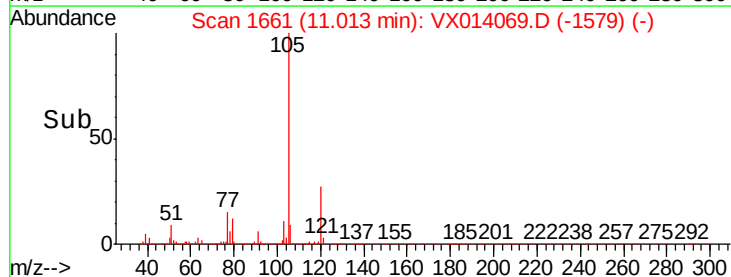
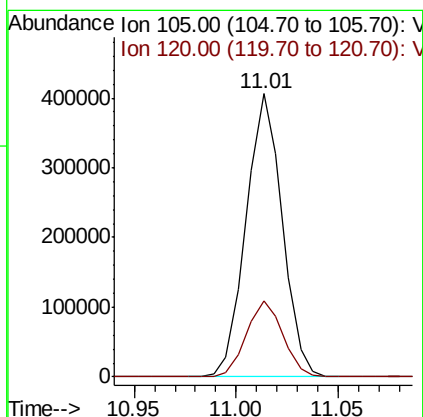
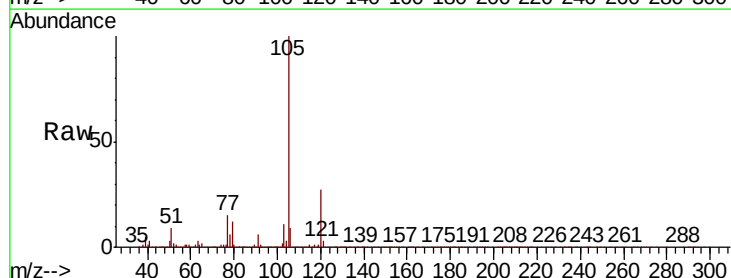
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

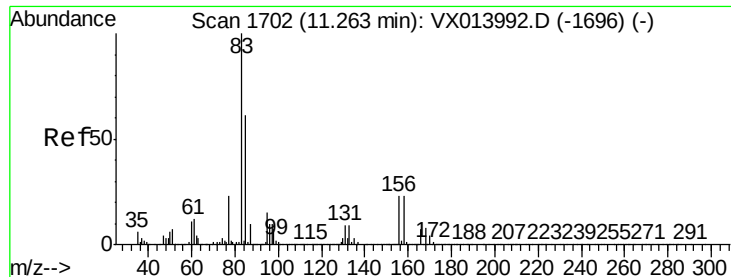
Tot Ion:104 Resp: 317448
Ion Ratio Lower Upper
104 100
78 49.0 38.9 58.3
103 54.0 44.2 66.2



#70
Isopropylbenzene
Concen: 19.520 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion:105 Resp: 501378
Ion Ratio Lower Upper
105 100
120 26.9 19.1 35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 17.630 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

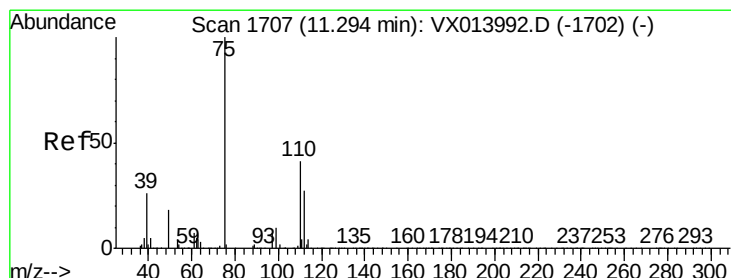
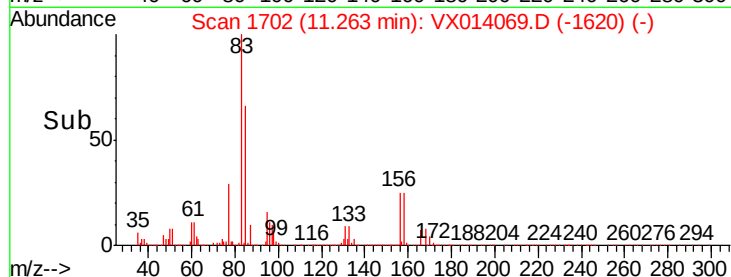
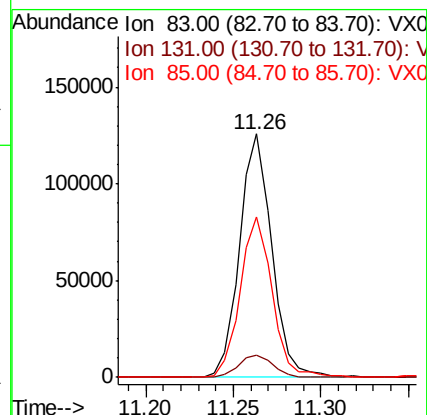
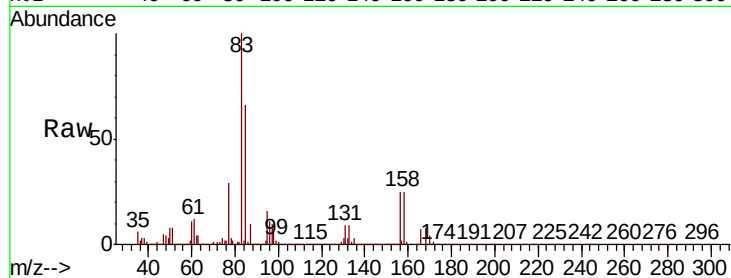
Tot Ion: 83 Resp: 160595

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 65.7 31.6 94.7



#72

1,2,3-Trichloropropane

Concen: 23.845 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014069.D

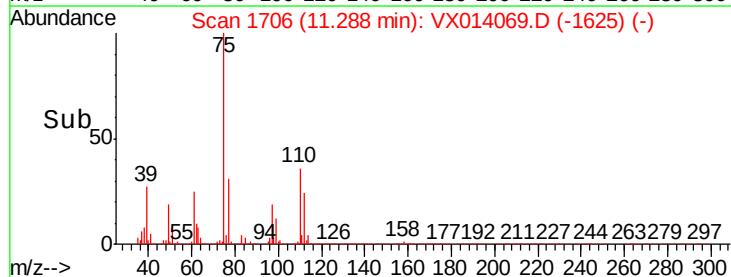
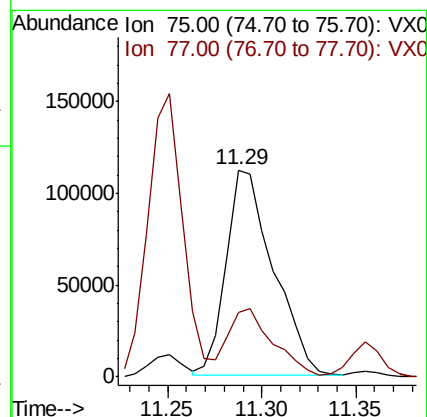
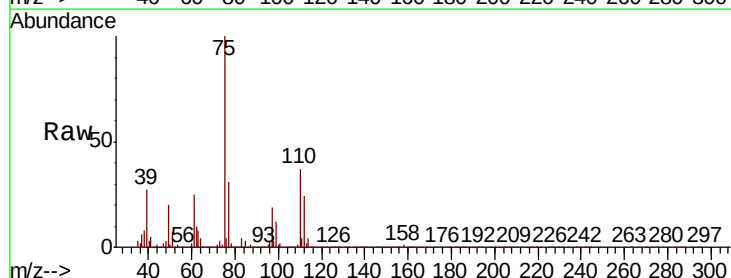
Acq: 17 Dec 2019 22:48

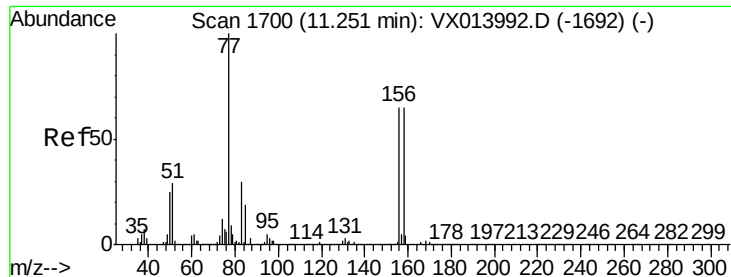
Tgt Ion: 75 Resp: 193337

Ion Ratio Lower Upper

75 100

77 29.4 0.0 68.4





#73

Bromobenzene

Concen: 18.945 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

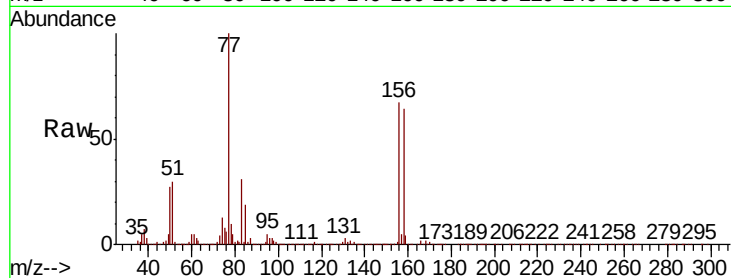
Tot Ion:156 Resp: 129900

Ion Ratio Lower Upper

156 100

77 154.6 0.0 304.6

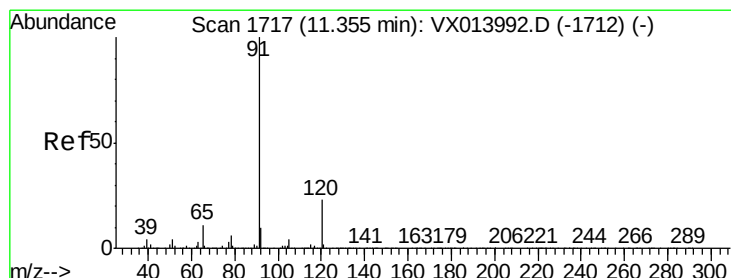
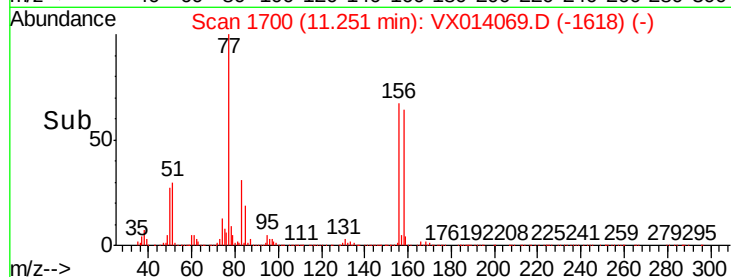
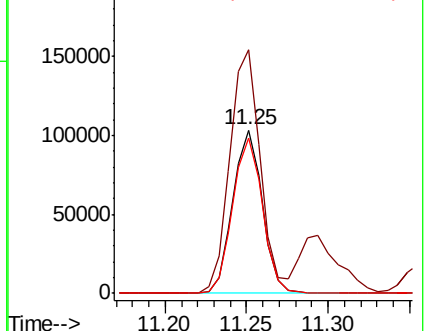
158 96.1 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.130 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014069.D

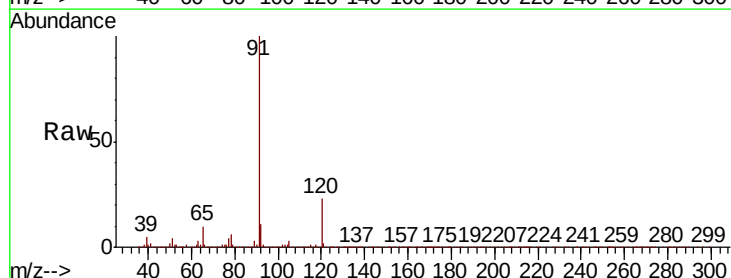
Acq: 17 Dec 2019 22:48

Tgt Ion: 91 Resp: 557315

Ion Ratio Lower Upper

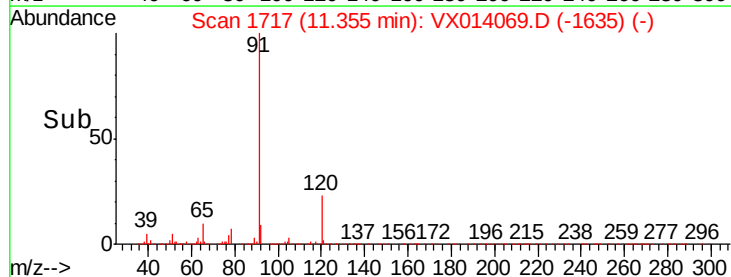
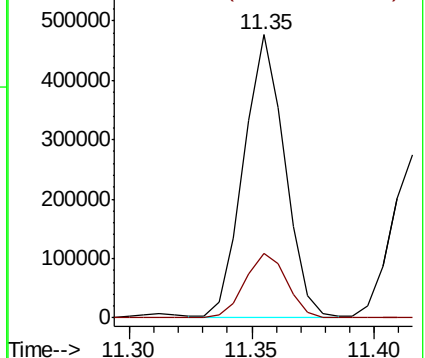
91 100

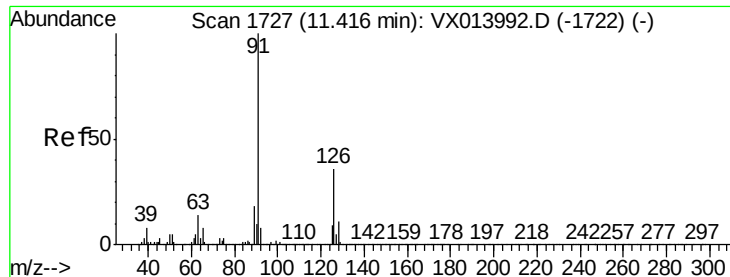
120 23.2 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.241 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampled :

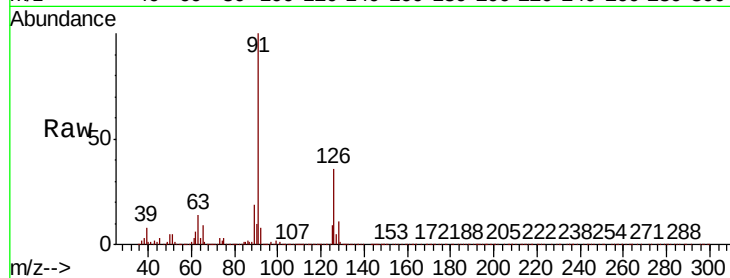
VSTDCCC020

Tot Ion: 91 Resp: 338695

Ion Ratio Lower Upper

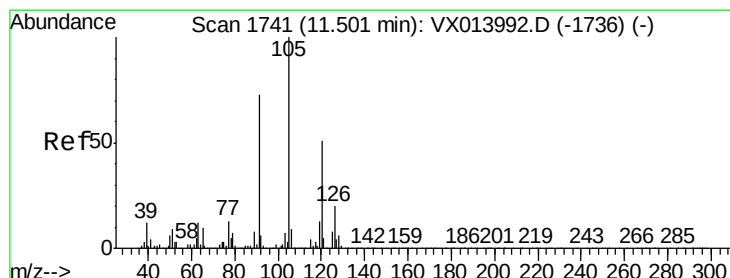
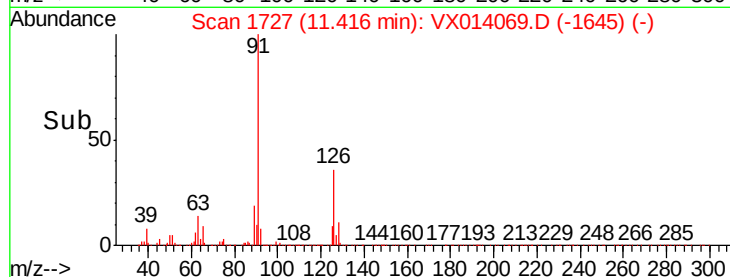
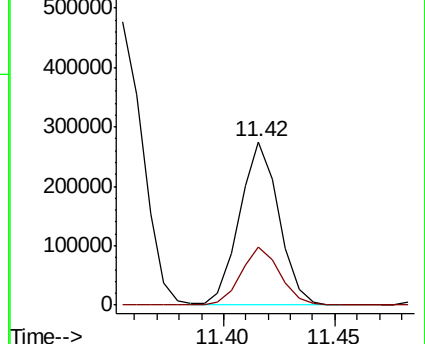
91 100

126 35.1 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.833 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014069.D

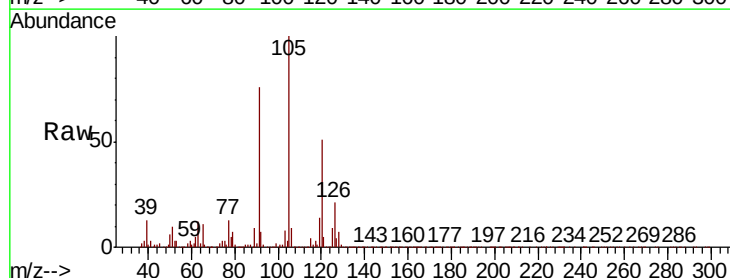
Acq: 17 Dec 2019 22:48

Tgt Ion: 105 Resp: 410350

Ion Ratio Lower Upper

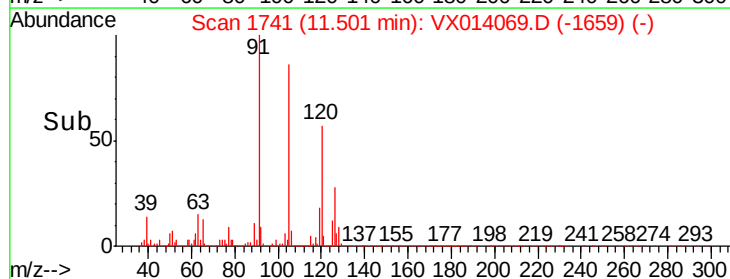
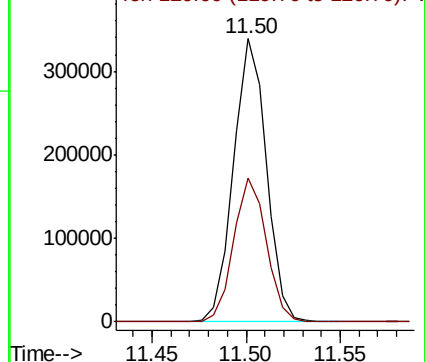
105 100

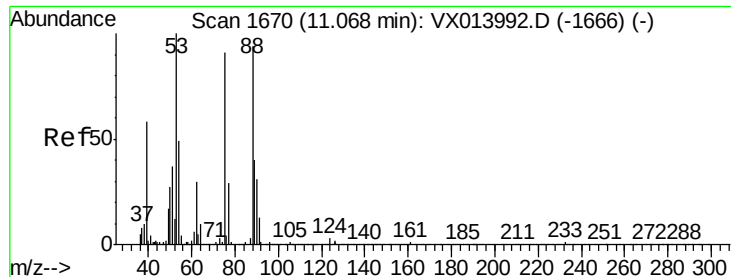
120 50.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 18.968 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

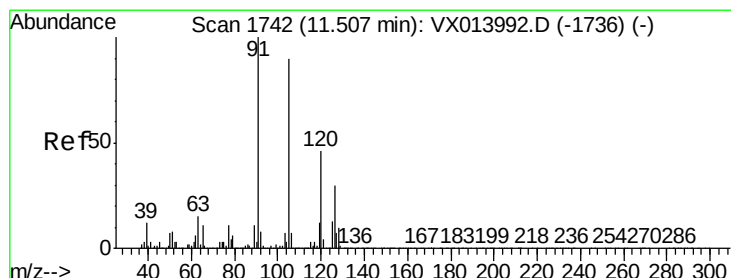
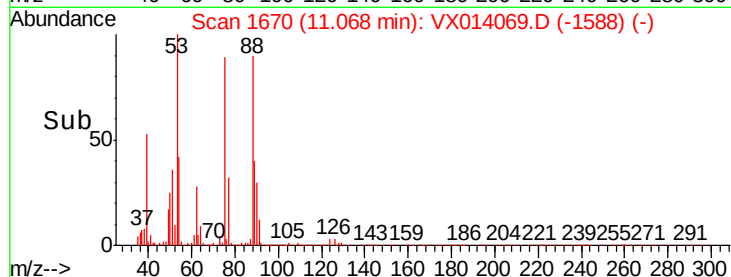
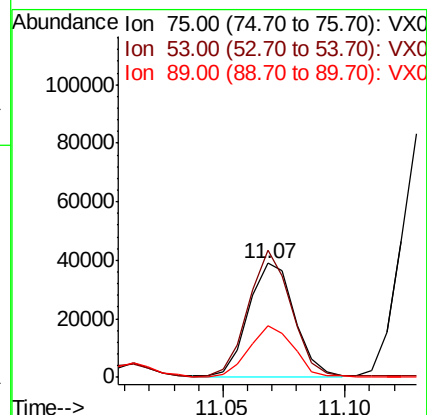
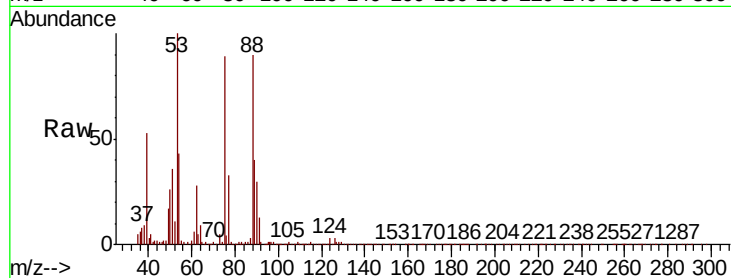
Tot Ion: 75 Resp: 50786

Ion Ratio Lower Upper

75 100

53 112.4 54.4 163.1

89 45.4 21.9 65.5



#78

4-Chlorotoluene

Concen: 18.871 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014069.D

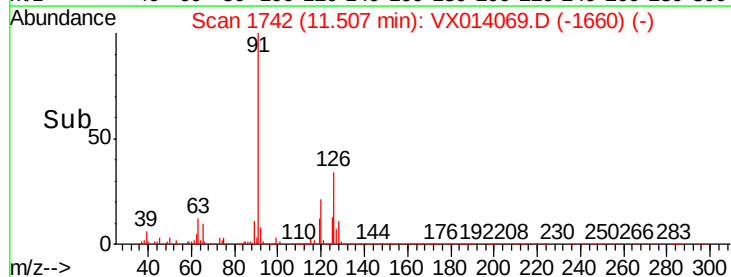
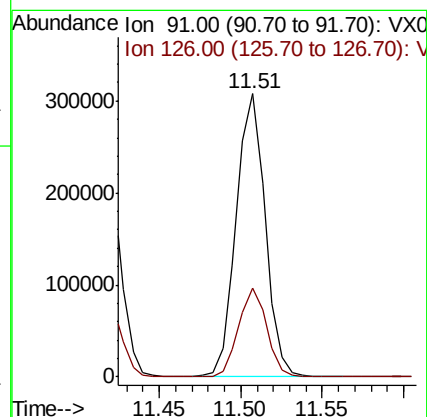
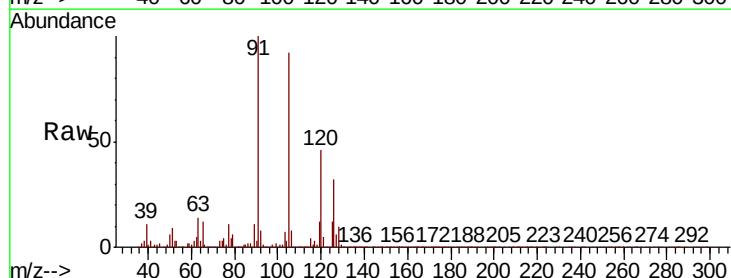
Acq: 17 Dec 2019 22:48

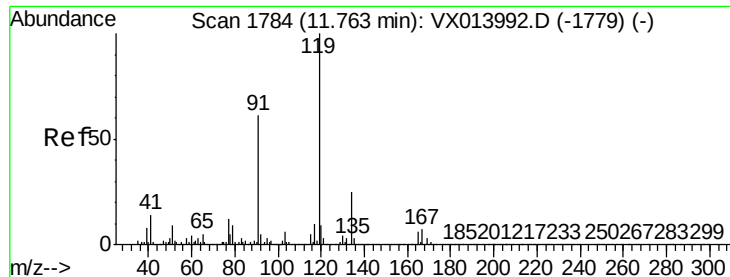
Tgt Ion: 91 Resp: 379584

Ion Ratio Lower Upper

91 100

126 30.5 0.0 59.6





#79

tert-butylbenzene

Concen: 16.878 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

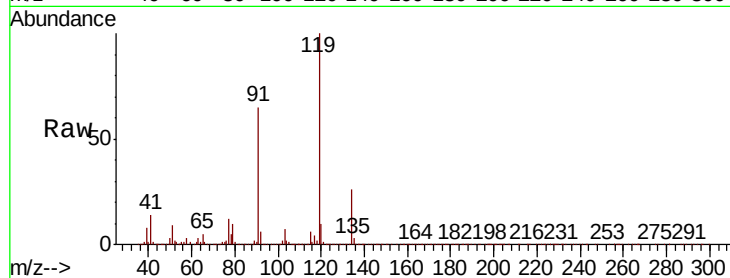
Tot Ion:119 Resp: 354484

Ion Ratio Lower Upper

119 100

91 63.7 0.0 112.6

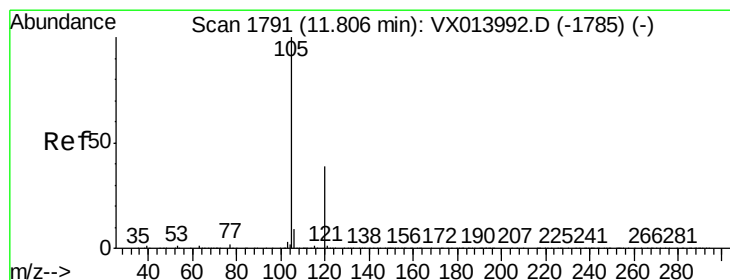
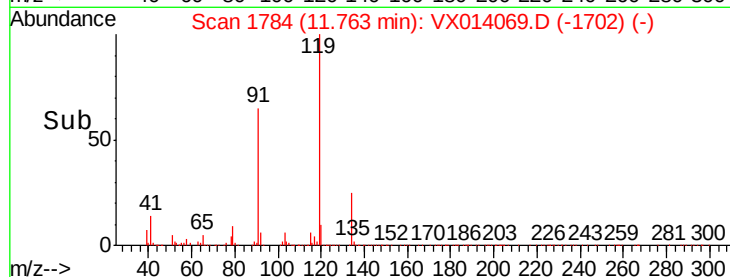
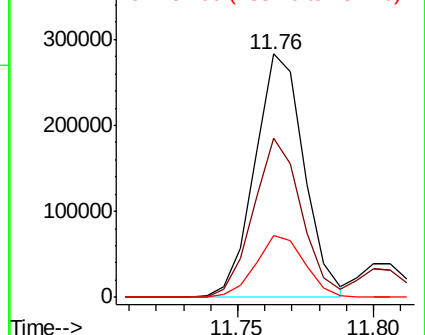
134 25.3 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.742 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014069.D

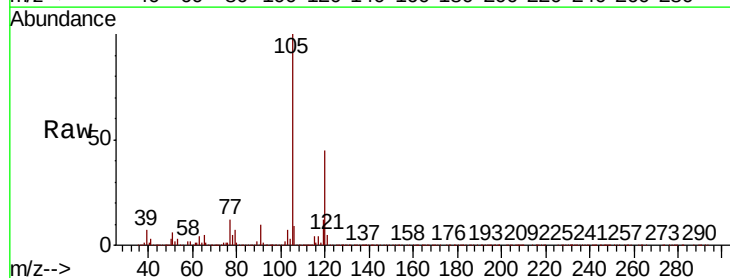
Acq: 17 Dec 2019 22:48

Tgt Ion:105 Resp: 408329

Ion Ratio Lower Upper

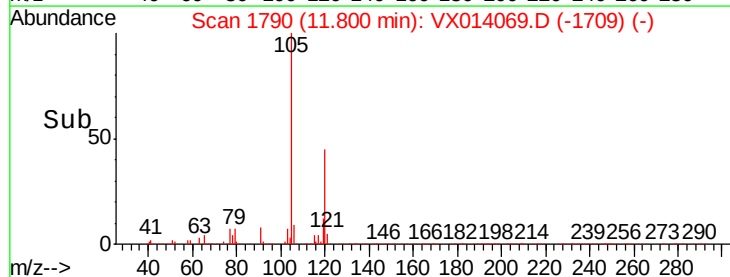
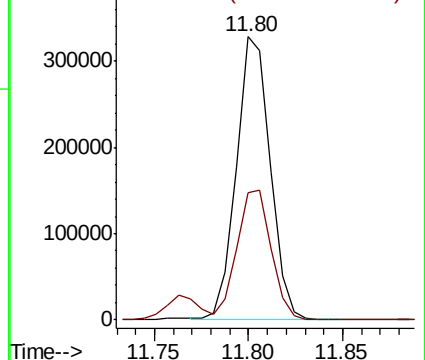
105 100

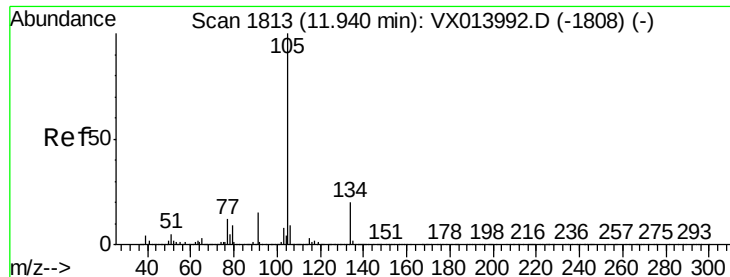
120 46.4 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

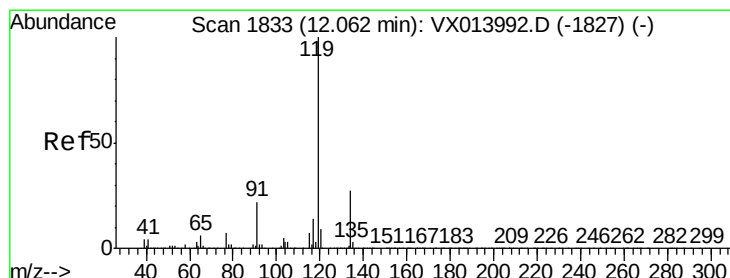
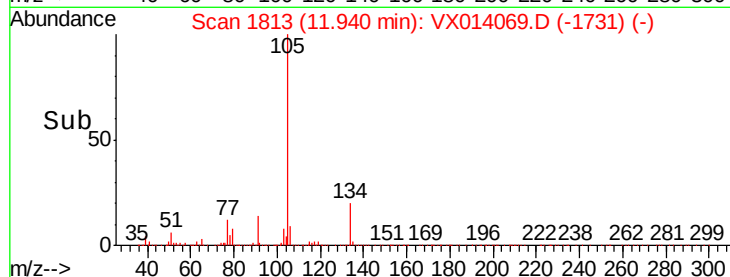
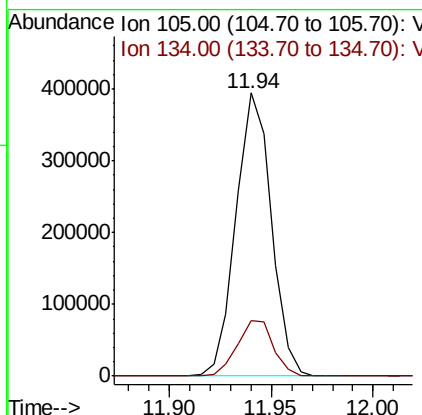
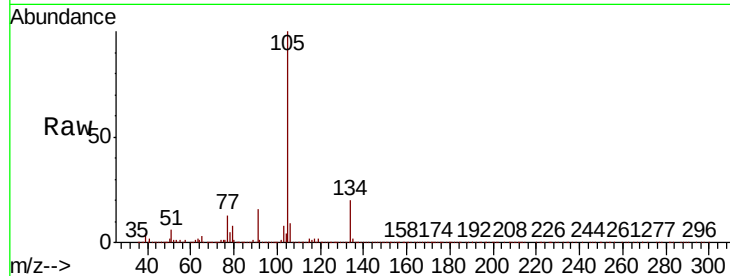




#81
 sec-Butylbenzene
 Concen: 18.957 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

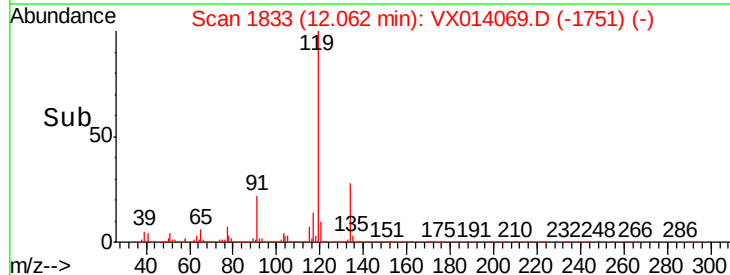
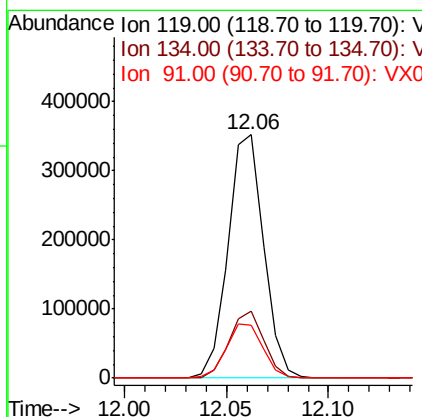
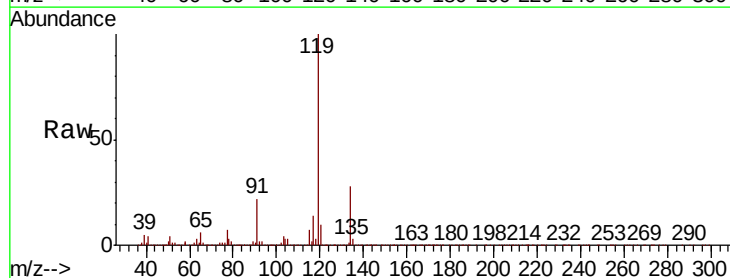
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

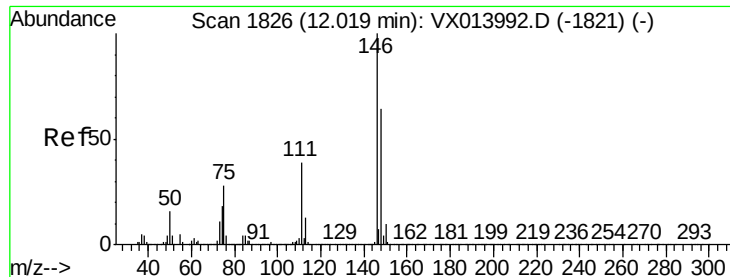
Tot Ion:105 Resp: 473557
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.2



#82
 p-Isopropyltoluene
 Concen: 18.866 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion:119 Resp: 425312
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.8
 91 22.7 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 18.619 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

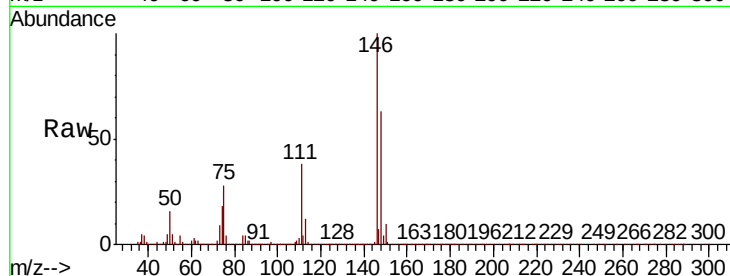
Tot Ion:146 Resp: 222518

Ion Ratio Lower Upper

146 100

111 37.9 19.3 57.9

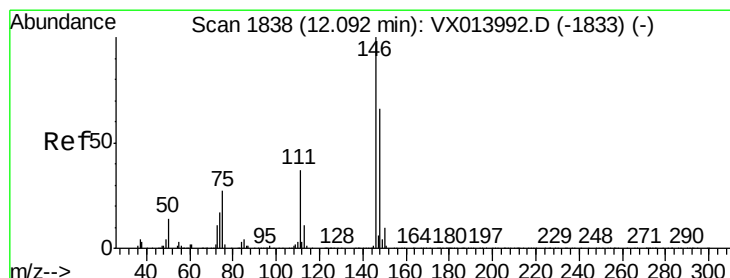
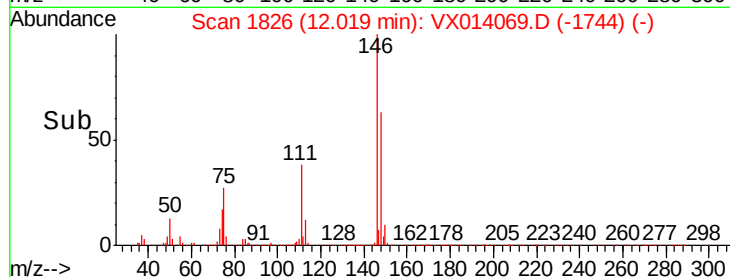
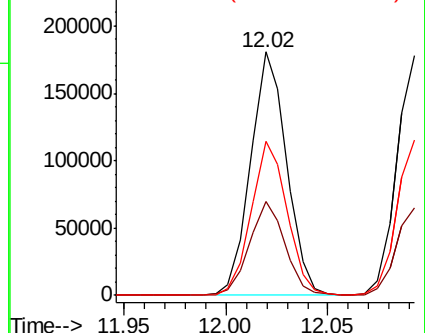
148 63.1 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.241 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

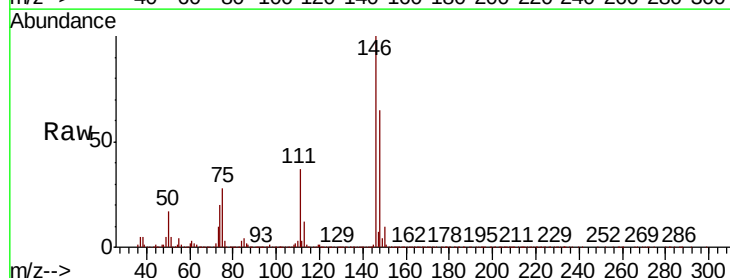
Tgt Ion:146 Resp: 217080

Ion Ratio Lower Upper

146 100

111 35.9 18.4 55.4

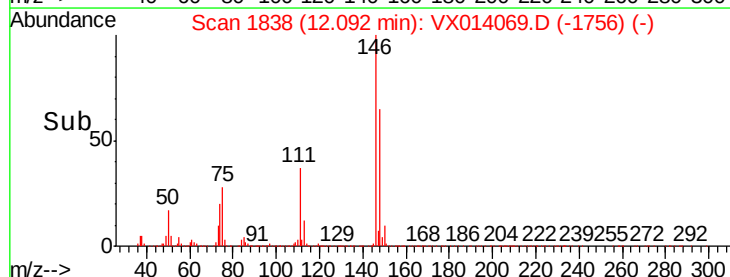
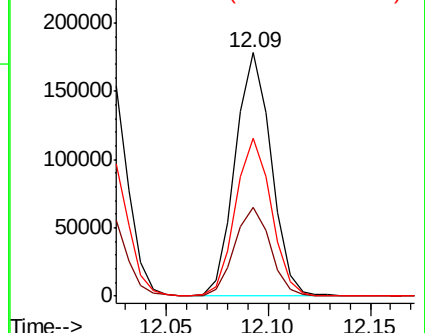
148 64.7 32.0 96.0

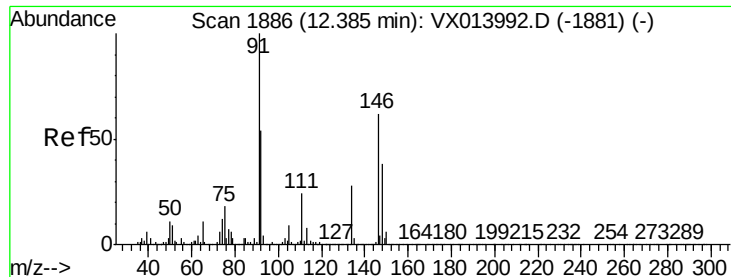


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.032 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

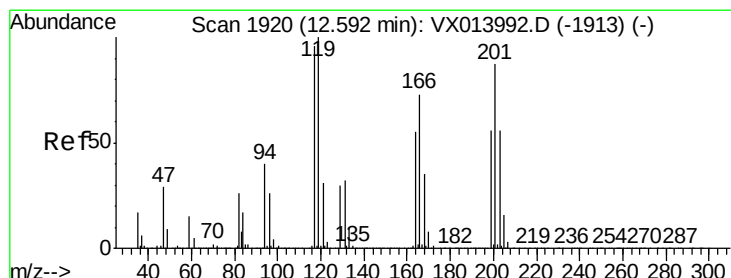
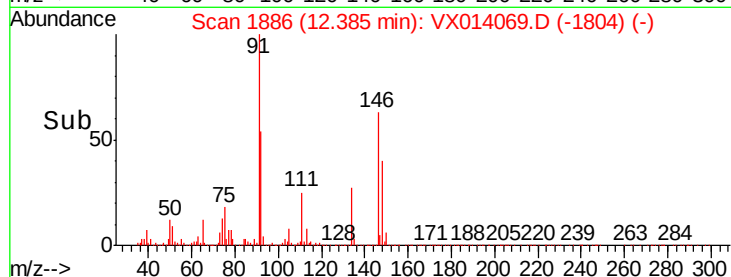
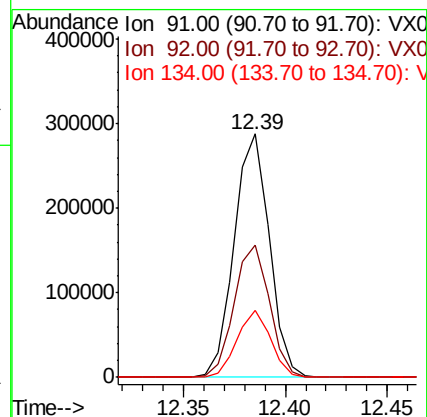
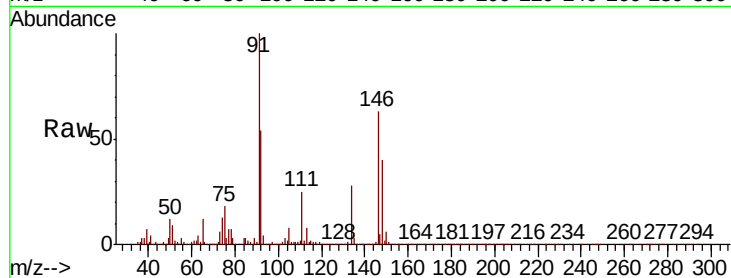
Tot Ion: 91 Resp: 341781

Ion Ratio Lower Upper

91 100

92 54.9 0.0 109.0

134 26.2 0.0 54.0



#86

Hexachloroethane

Concen: 17.780 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014069.D

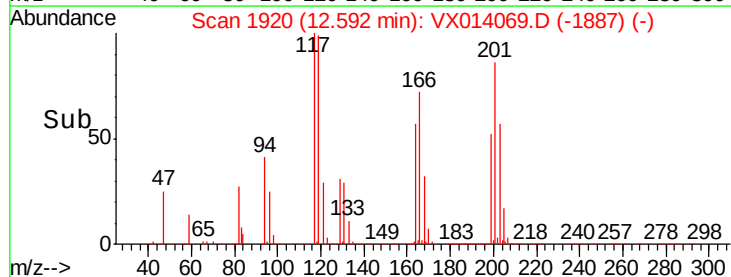
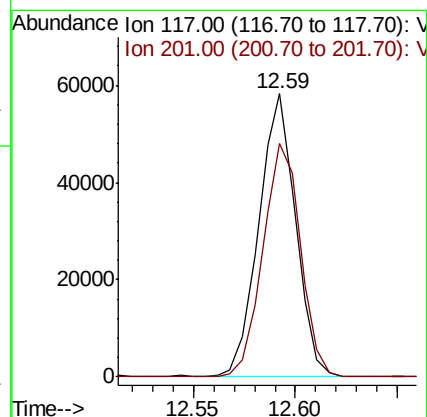
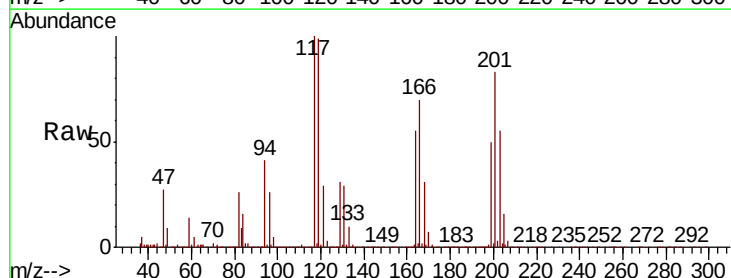
Acq: 17 Dec 2019 22:48

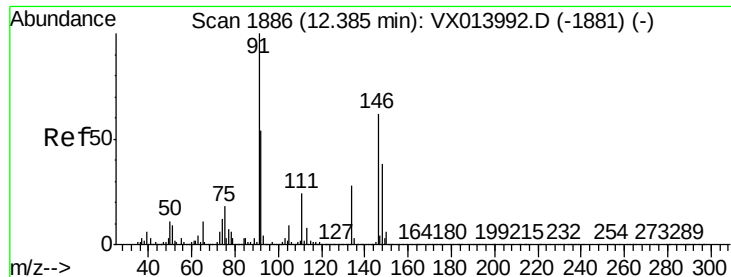
Tgt Ion: 117 Resp: 72715

Ion Ratio Lower Upper

117 100

201 85.0 44.8 134.3

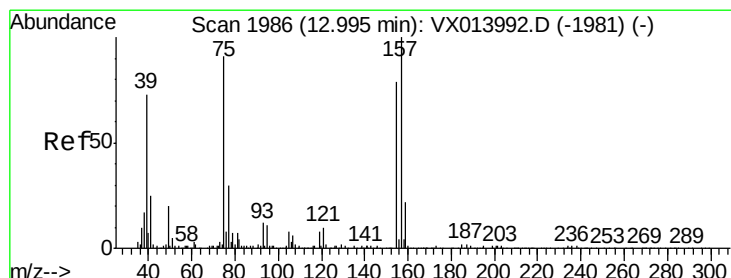
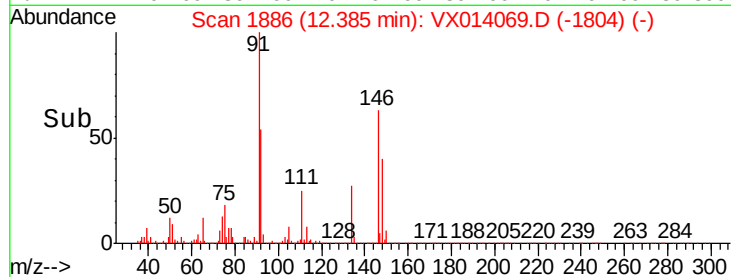
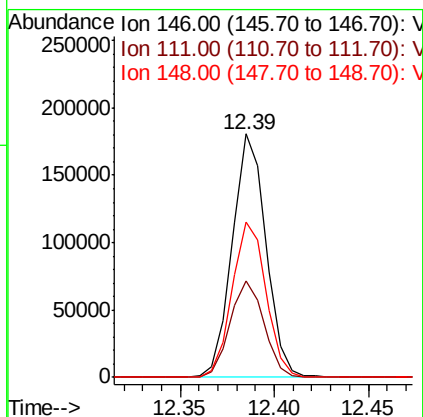
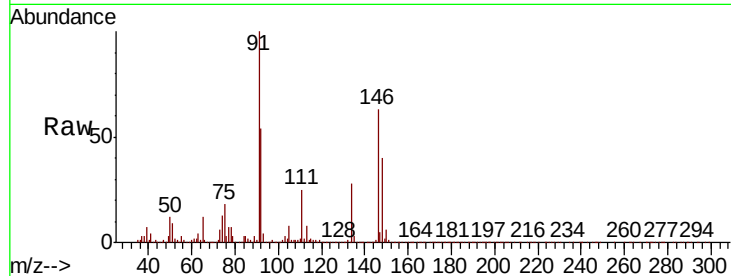




#87
 1,2-Dichlorobenzene
 Concen: 18.439 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

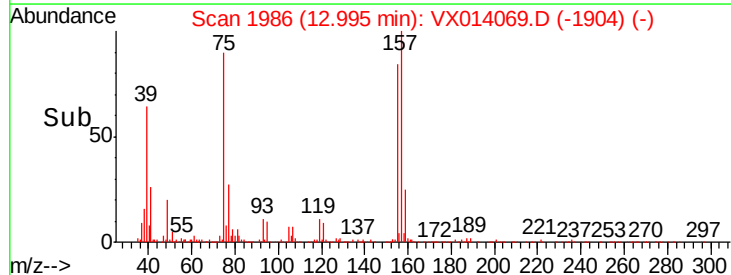
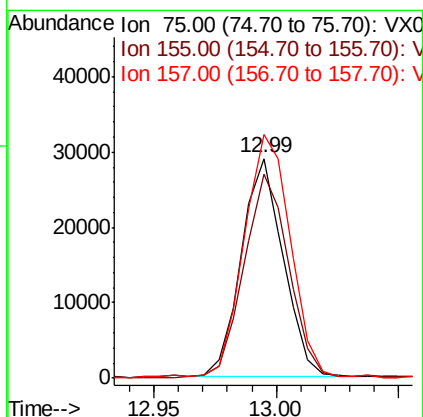
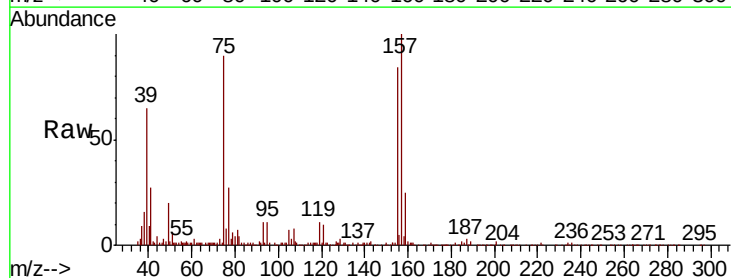
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

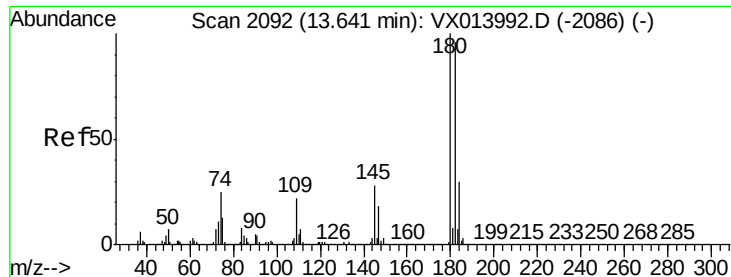
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.4	32.0	96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.179 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014069.D
 Acq: 17 Dec 2019 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	73.8	110.6
157	123.0	95.0	142.4





#89

1,2,4-Trichlorobenzene

Concen: 17.676 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

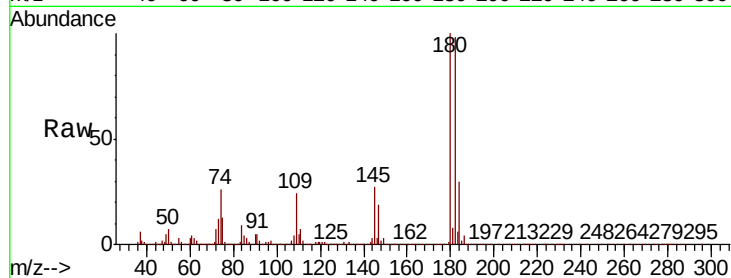
Tot Ion:180 Resp: 137138

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 27.1 21.9 32.9

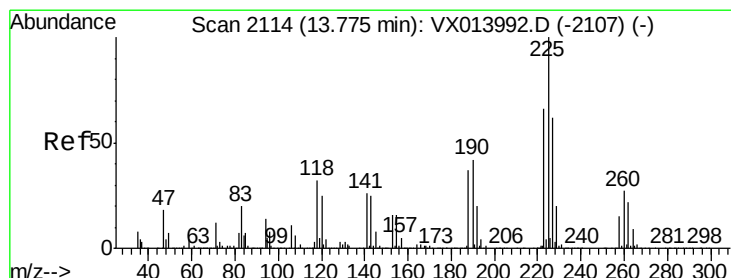
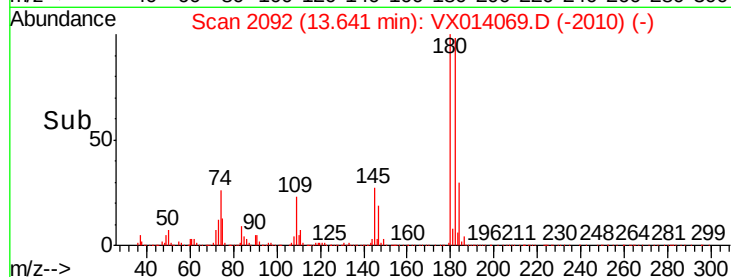
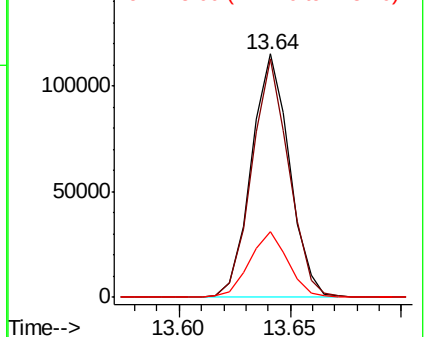


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 19.014 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014069.D

Acq: 17 Dec 2019 22:48

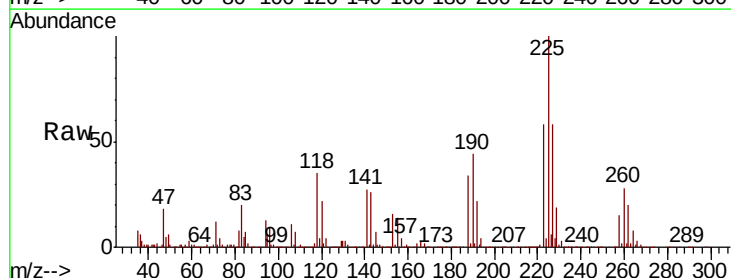
Tgt Ion:225 Resp: 70120

Ion Ratio Lower Upper

225 100

223 60.7 0.0 127.4

227 60.3 0.0 122.8

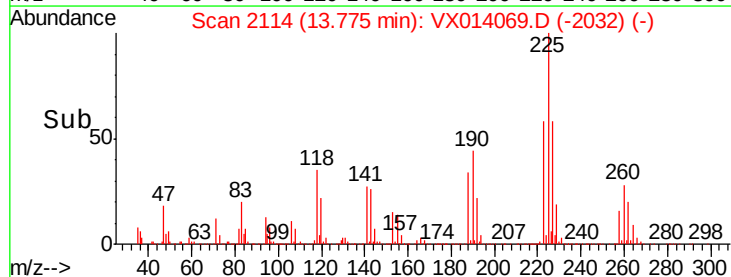
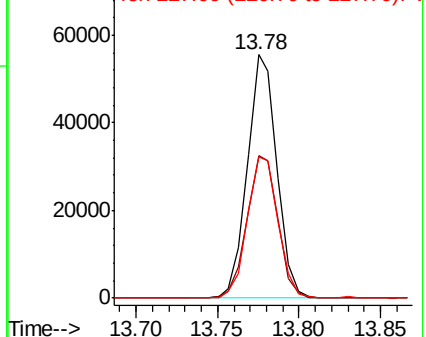


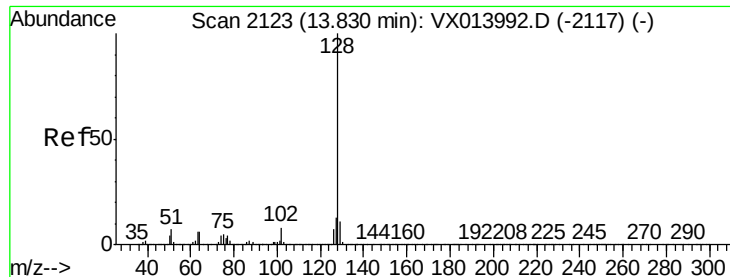
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

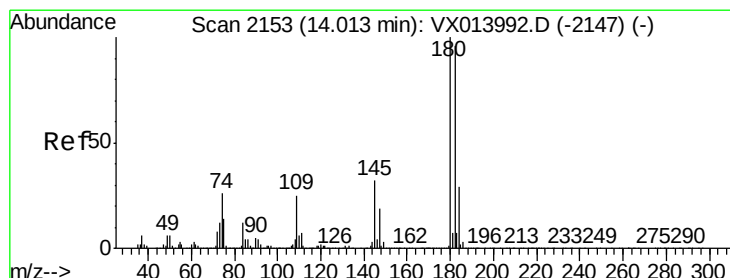
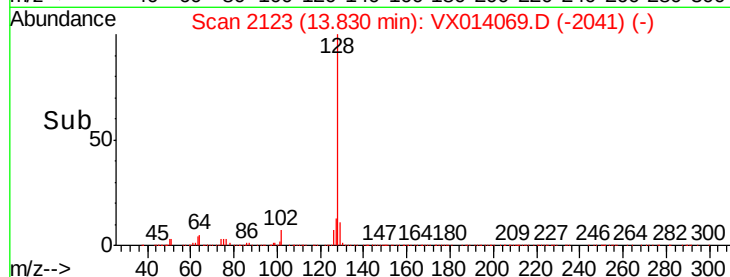
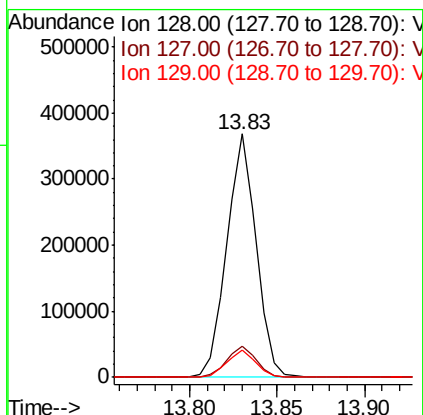
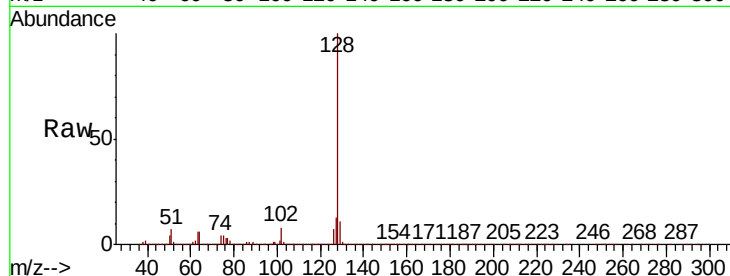




#91
Naphthalene
Concen: 18.421 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 429573
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.2 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 18.386 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014069.D
Acq: 17 Dec 2019 22:48

Tgt Ion:180 Resp: 144681
Ion Ratio Lower Upper
180 100
182 94.9 0.0 192.8
145 29.8 0.0 60.0

