

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022120\
 Data File : VX014986.D
 Acq On : 21 Feb 2020 10:21
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 21 10:55:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	76279	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	425905	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	394550	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	159108	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	11.13	95	183581	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	8.71	98	504670	28.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.97%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	333865	69.03	ug/l	97
3) Chloromethane	1.32	50	433493	79.71	ug/l	97
4) Vinyl Chloride	1.41	62	480289	79.14	ug/l	99
5) Bromomethane	1.64	94	348779	87.99	ug/l	100
6) Chloroethane	1.72	64	315462	89.56	ug/l	99
7) Trichlorofluoromethane	1.93	101	696842	98.09	ug/l	97
8) Diethyl Ether	2.18	74	302599	98.01	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	404604	97.75	ug/l	100
10) 1,1-Dichloroethene	2.37	96	414878	99.50	ug/l	99
11) Methyl Iodide	2.51	142	573045	104.97	ug/l	99
12) Methyl Acetate	2.76	43	520804	73.70	ug/l	100
13) Acrolein	2.29	56	514700	620.31	ug/l	100
14) Acrylonitrile	3.14	53	1183600	470.69	ug/l	100
15) Acetone	2.44	58	412060	478.89	ug/l	98
16) Carbon Disulfide	2.57	76	1131701	99.39	ug/l	99
17) Allyl chloride	2.72	41	737853	96.70	ug/l	99
18) Methylene Chloride	2.85	84	465607	95.69	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	456138	101.23	ug/l	99
20) Diisopropyl ether	3.84	45	1458687	95.87	ug/l	99
21) 1,1-Dichloroethane	3.69	63	805477	97.64	ug/l	100
22) cis-1,2-Dichloroethene	4.59	96	522987	100.59	ug/l	97
23) tert-Butyl Alcohol	2.76	59	45948	44.12	ug/l	100
24) Methyl tert-Butyl Ether	3.19	73	1391565	100.45	ug/l	98
25) Chloroform	5.20	83	804480	99.57	ug/l	98
26) Cyclohexane	5.58	56	730398	96.27	ug/l #	100
29) 1,1-Dichloropropene	5.79	75	621953	100.98	ug/l	98
30) 2-Butanone	4.65	43	1794748	466.89	ug/l	99
31) 2,2-Dichloropropane	4.58	77	684335	103.13	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	704746	102.76	ug/l	98
33) Carbon Tetrachloride	5.78	117	615636	104.04	ug/l	93
34) Benzene	6.14	78	1851835	97.82	ug/l	98
35) Methacrylonitrile	5.03	41	367910	96.29	ug/l	97
36) 1,2-Dichloroethane	6.19	62	647313	97.87	ug/l	99
37) Trichloroethene	7.21	130	527054	101.55	ug/l	96
38) Methylcyclohexane	7.46	83	780261	102.05	ug/l	99
39) 1,2-Dichloropropane	7.51	63	480838	97.85	ug/l	98
40) Dibromomethane	7.65	93	318408	99.48	ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	652689	104.22	ug/l	99
42) Vinyl Acetate	3.81	43	6421222	529.15	ug/l	99
43) Ethyl Acetate	4.82	43	660751	95.39	ug/l	97
44) Isopropyl Acetate	6.44	43	1108989	98.32	ug/l	98
45) 1,4-Dioxane	7.73	88	201591	1819.70	ug/l	98
46) Methyl methacrylate	7.76	41	559455	100.99	ug/l	99
47) n-amyl Acetate	10.89	43	1009233	105.66	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	741631	108.50	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	809110	105.29	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	476366	98.48	ug/l	98
51) Ethyl methacrylate	9.17	69	777291	103.20	ug/l	98
52) 1,3-Dichloropropane	9.37	76	803618	98.06	ug/l	100
53) Dibromochloromethane	9.58	129	539606	107.69	ug/l	100
54) 1,2-Dibromoethane	9.67	107	510995	101.92	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	1984023	556.63	ug/l	100
56) Bromoform	10.85	173	430833	111.60	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	3330661	463.92	ug/l	99
59) 2-Hexanone	9.48	43	2614380	468.84	ug/l	99
61) Tetrachloroethene	9.33	164	522555	91.61	ug/l	99
62) Toluene	8.78	91	2031911	98.31	ug/l	99
64) Chlorobenzene	10.14	112	1304597	100.81	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	492250	102.90	ug/l	99
66) Ethyl Benzene	10.25	91	2293273	101.52	ug/l	98
67) m/p-Xylenes	10.36	106	1772612	204.97	ug/l	97
68) o-Xylene	10.70	106	854394	101.53	ug/l	99
69) Styrene	10.71	104	1488686	104.31	ug/l	99
70) Isopropylbenzene	11.01	105	2253206	101.70	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	724575	98.20	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	864421	133.87	ug/l	88
73) Bromobenzene	11.25	156	608439	103.27	ug/l	97
74) n-propylbenzene	11.35	91	2607634	102.90	ug/l	99
75) 2-Chlorotoluene	11.42	91	1523428	100.48	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	1918383	103.84	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	267569	109.62	ug/l	94
78) 4-Chlorotoluene	11.51	91	1788990	103.80	ug/l	99
79) tert-butylbenzene	11.76	119	1867181	107.41	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1911493	104.00	ug/l	100
81) sec-Butylbenzene	11.94	105	2216671	103.36	ug/l	98
82) p-Isopropyltoluene	12.06	119	2094514	106.85	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	1084321	105.61	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	1096384	106.76	ug/l	98
85) n-Butylbenzene	12.39	91	1890932	110.21	ug/l	100
86) Hexachloroethane	12.59	117	385393	110.06	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	1073673	103.77	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	162333	102.72	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	808082	116.43	ug/l	99
90) Hexachlorobutadiene	13.78	225	392878	113.55	ug/l	95
91) Naphthalene	13.83	128	2322995	112.07	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	790399	112.29	ug/l	100

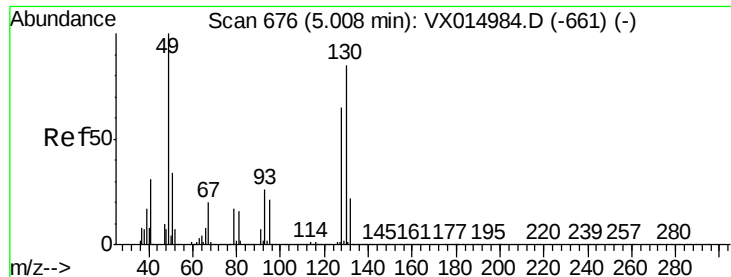
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022120\
Data File : VX014986.D
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 21 10:55:48 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 21 10:51:02 2020
Response via : Initial Calibration

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: 30.00 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

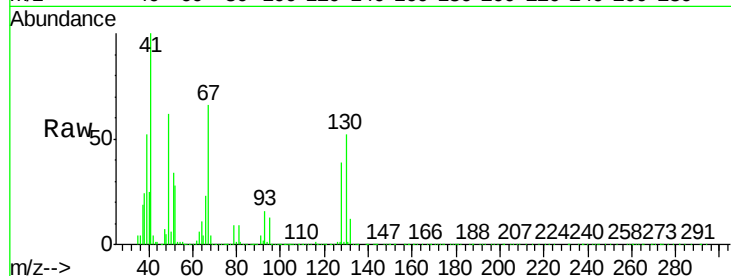
Tgt Ion:128 Resp: 76279

Ion Ratio Lower Upper

128 100

49 159.6 0.0 384.7

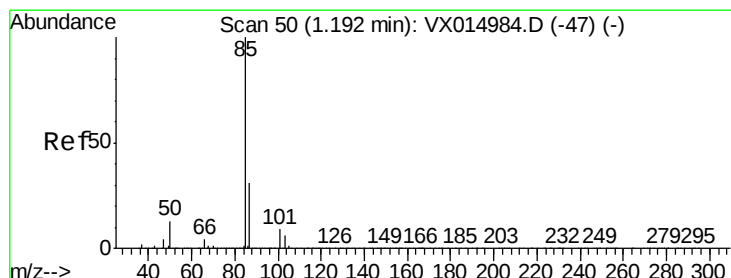
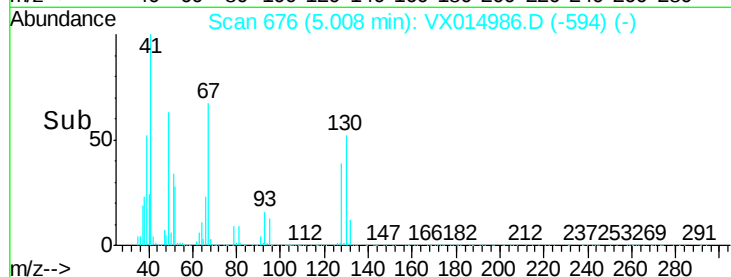
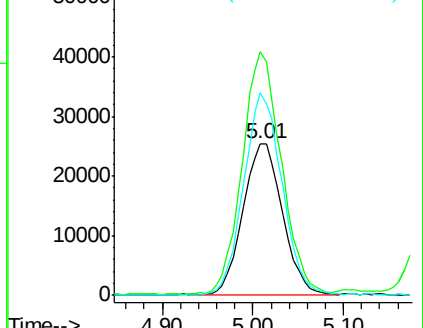
130 129.8 0.0 330.8



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: 69.03 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014986.D

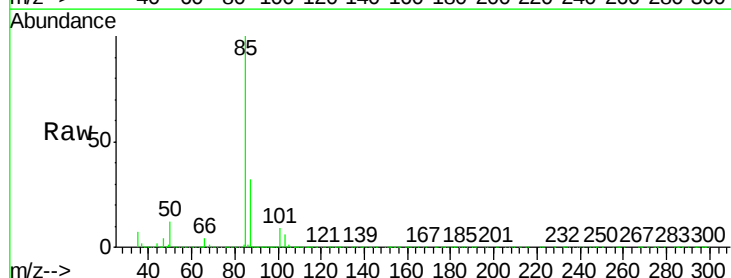
Acq: 21 Feb 2020 10:21

Tgt Ion: 85 Resp: 333865

Ion Ratio Lower Upper

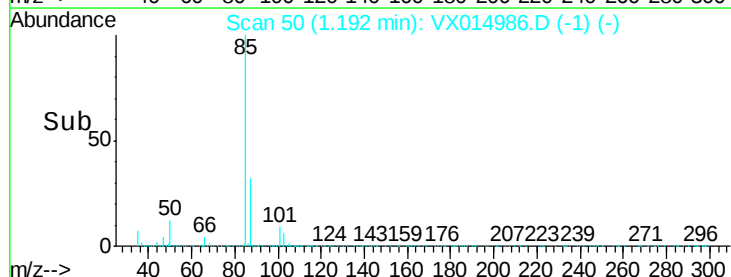
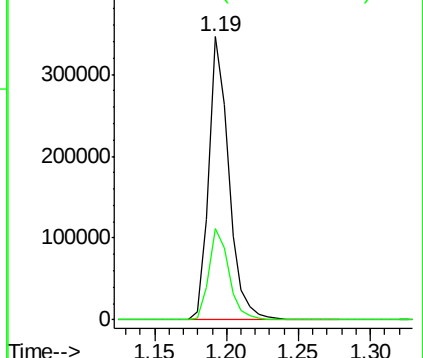
85 100

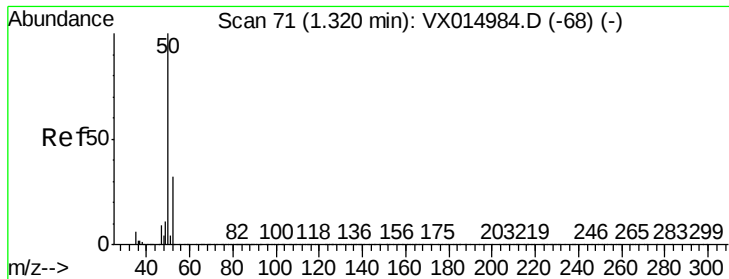
87 32.4 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 79.71 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

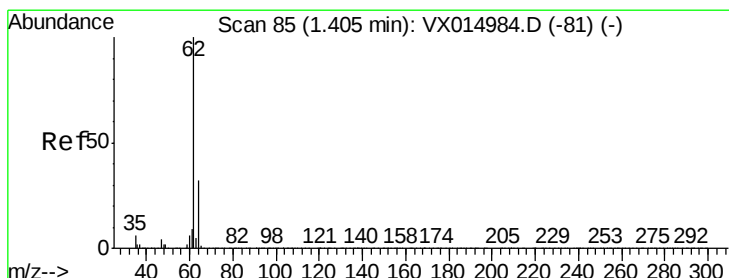
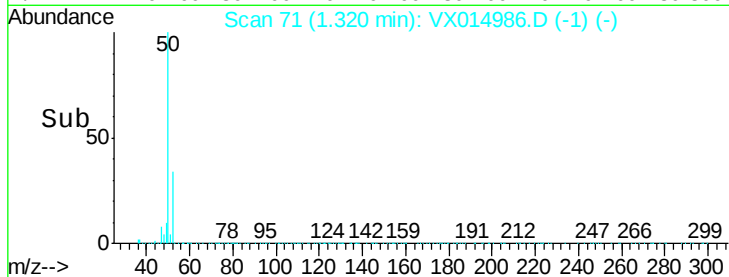
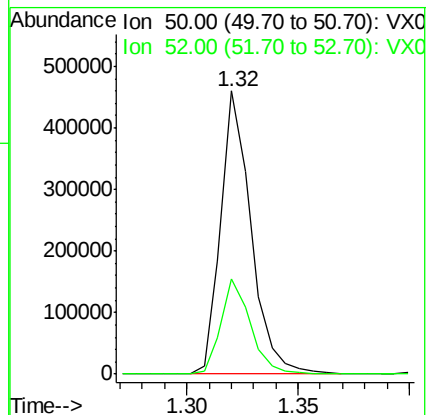
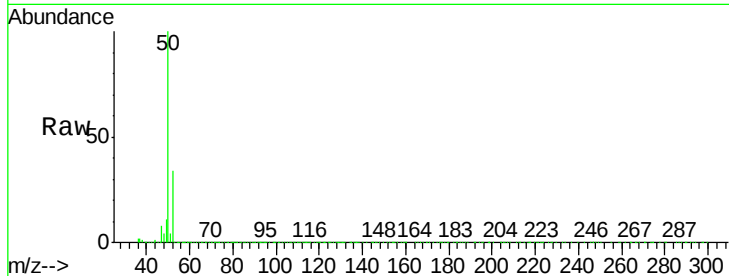
VSTDIC100

Tgt Ion: 50 Resp: 433493

Ion Ratio Lower Upper

50 100

52 33.6 25.4 38.0



#4

Vinyl Chloride

Concen: 79.14 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX014986.D

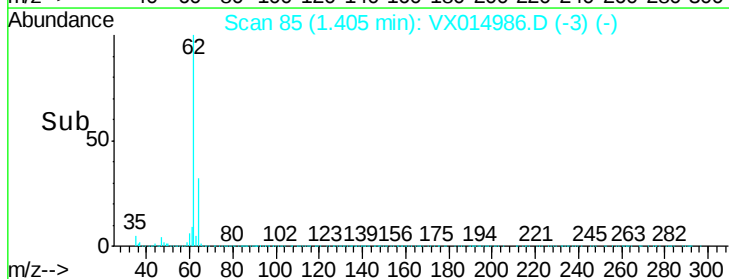
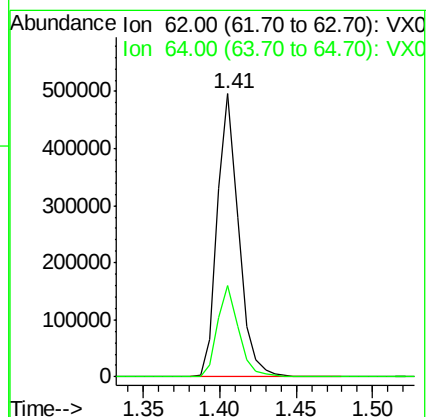
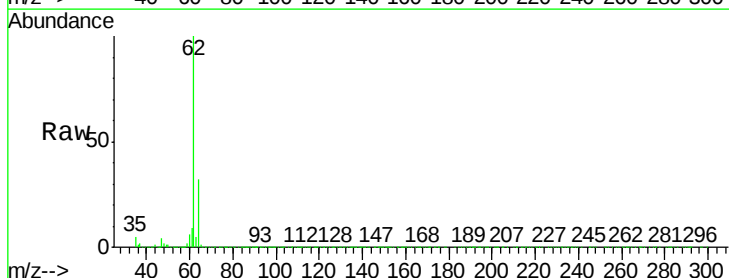
Acq: 21 Feb 2020 10:21

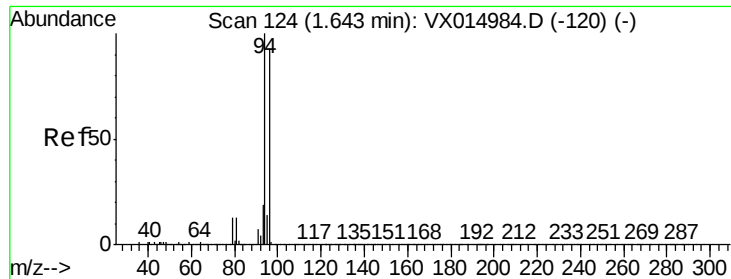
Tgt Ion: 62 Resp: 480289

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 87.99 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

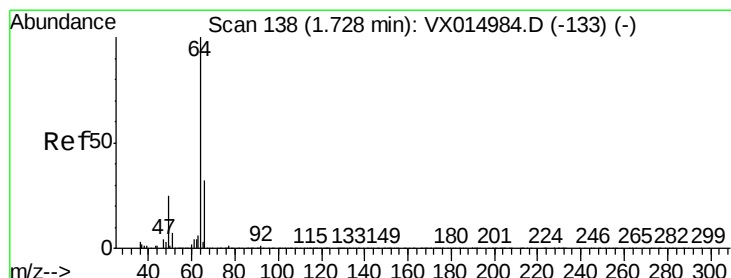
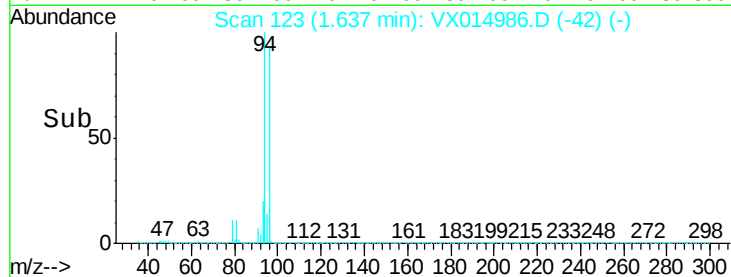
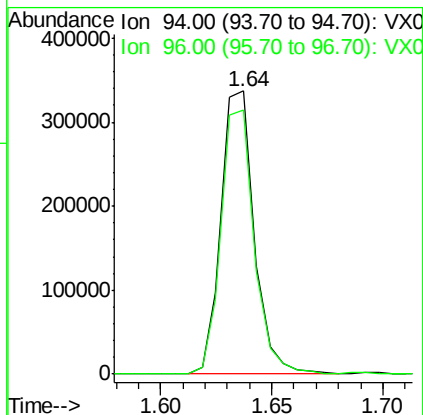
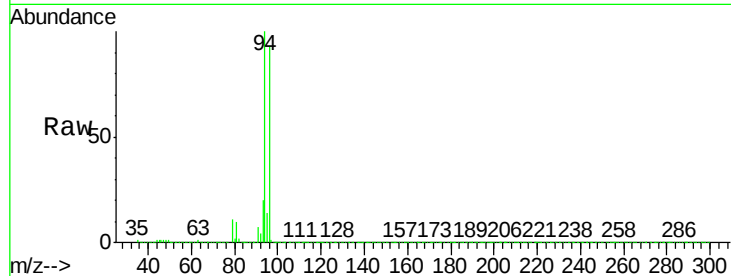
VSTDIC100

Tgt Ion: 94 Resp: 348779

Ion Ratio Lower Upper

94 100

96 93.3 74.6 112.0



#6

Chloroethane

Concen: 89.56 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX014986.D

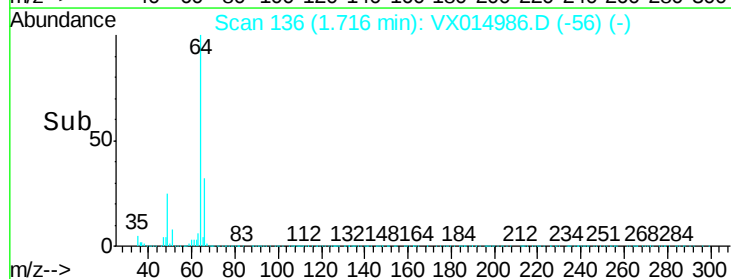
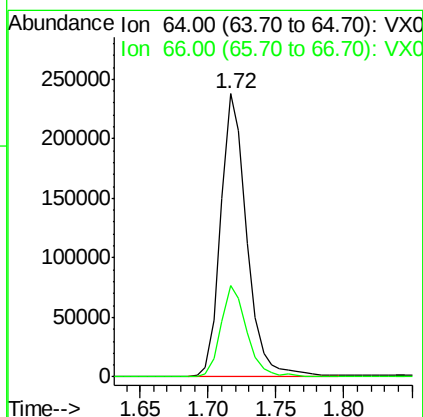
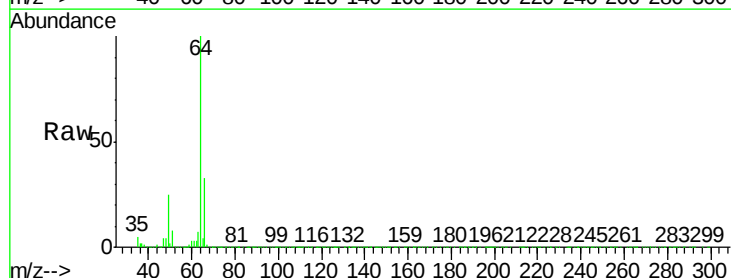
Acq: 21 Feb 2020 10:21

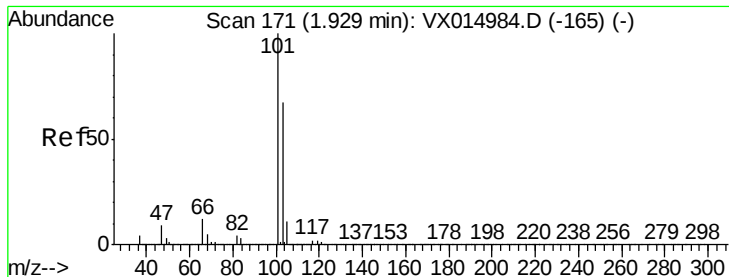
Tgt Ion: 64 Resp: 315462

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.6



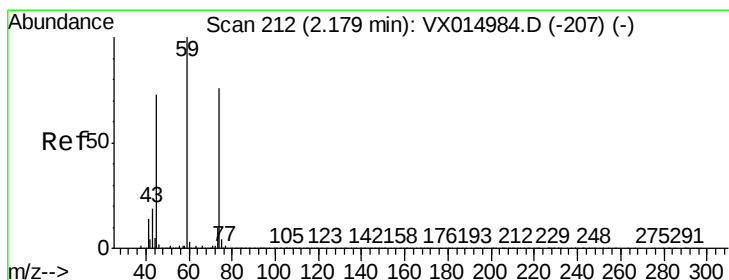
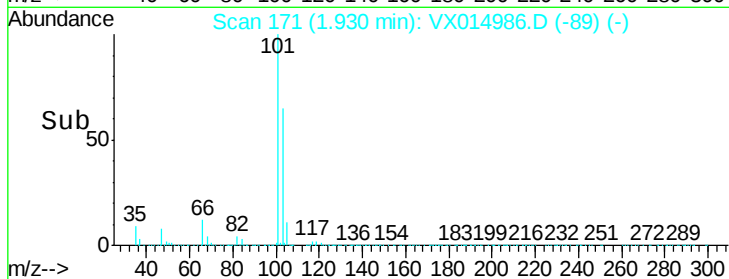
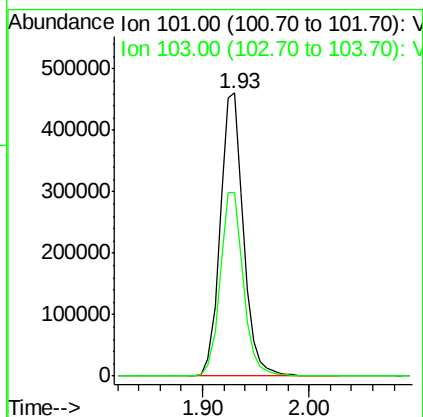
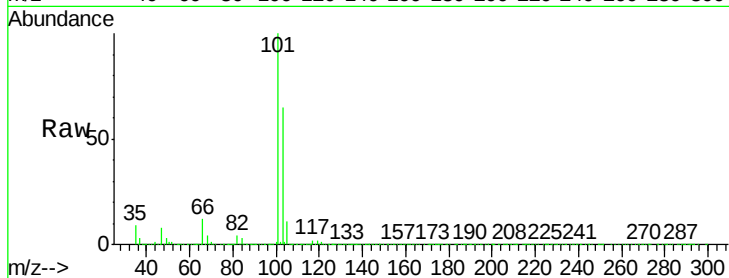


#7

Trichlorofluoromethane
Concen: 98.09 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

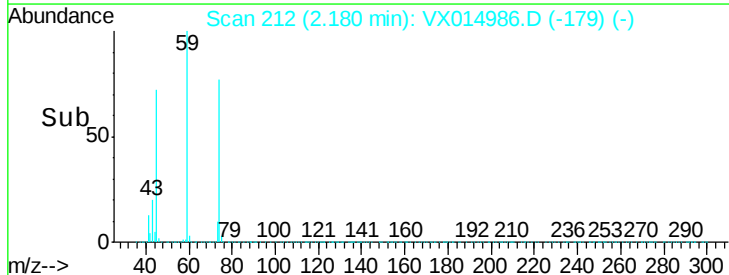
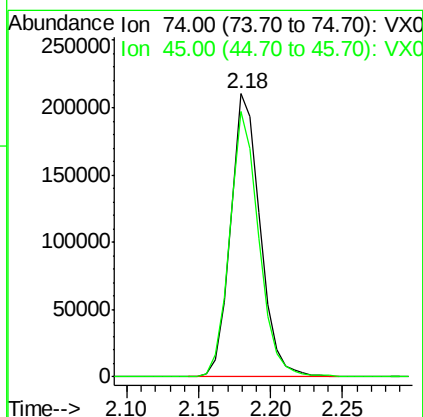
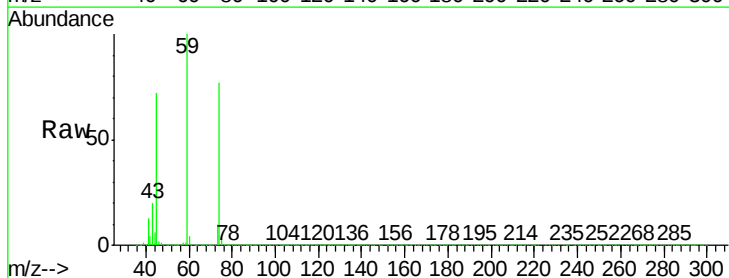
Tgt Ion: 101 Resp: 696842
Ion Ratio Lower Upper
101 100
103 64.7 53.4 80.2

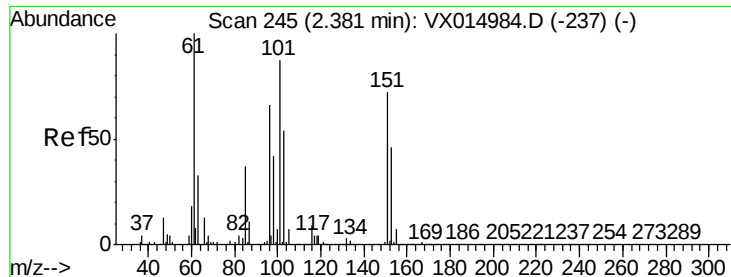


#8

Diethyl Ether
Concen: 98.01 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion: 74 Resp: 302599
Ion Ratio Lower Upper
74 100
45 92.0 19.6 176.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.75 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

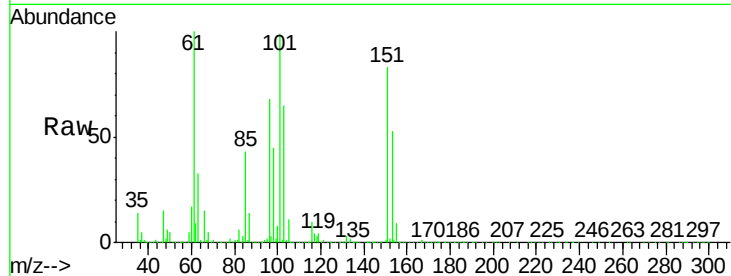
Tgt Ion: 101 Resp: 404604

Ion Ratio Lower Upper

101 100

85 42.7 0.0 86.6

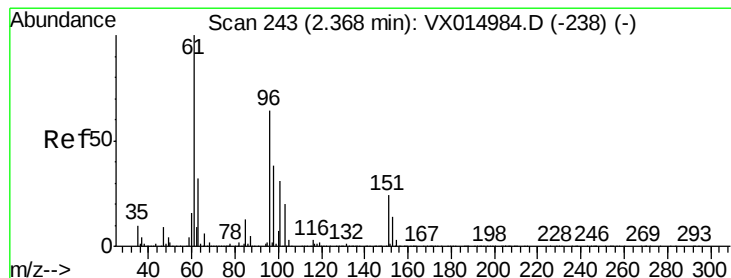
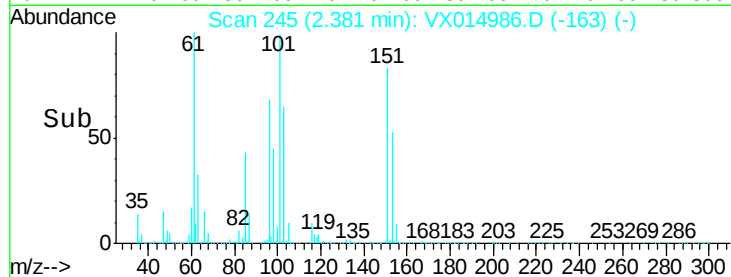
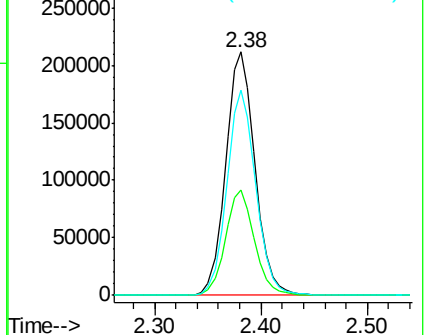
151 83.9 0.0 167.4



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: 99.50 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

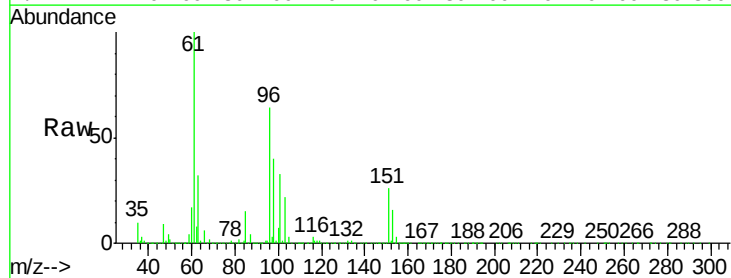
Tgt Ion: 96 Resp: 414878

Ion Ratio Lower Upper

96 100

61 156.8 126.1 189.1

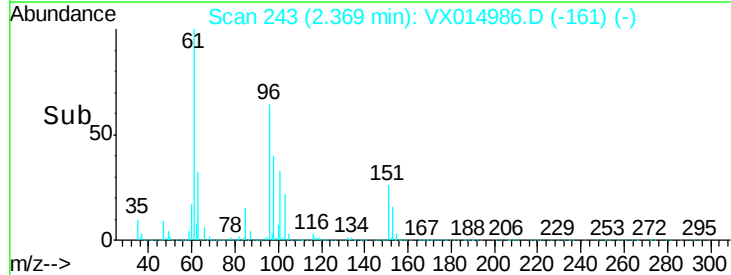
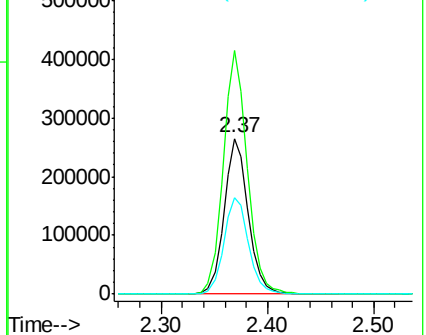
98 62.4 48.2 72.2

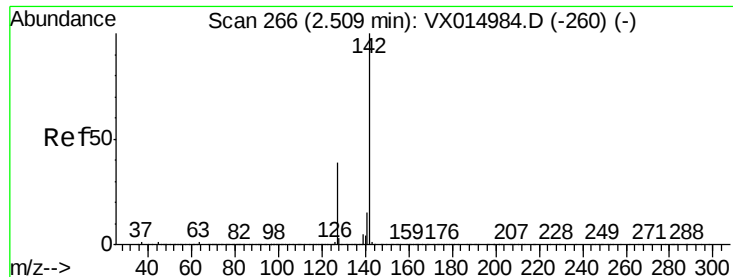


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

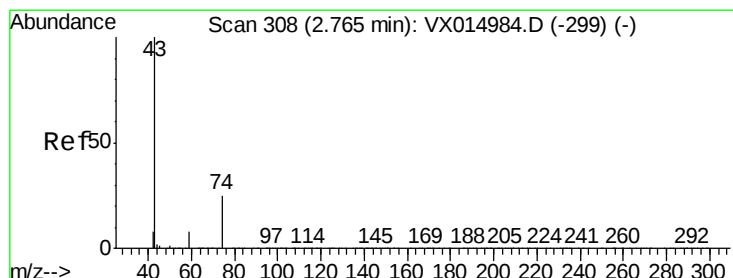
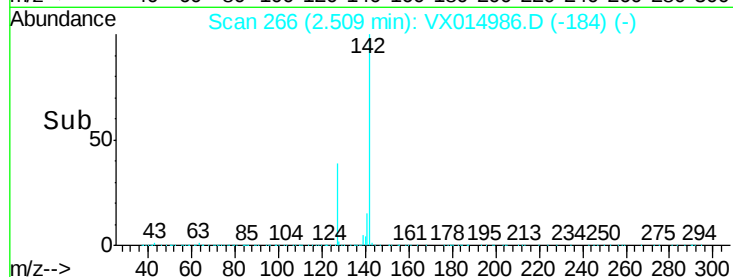
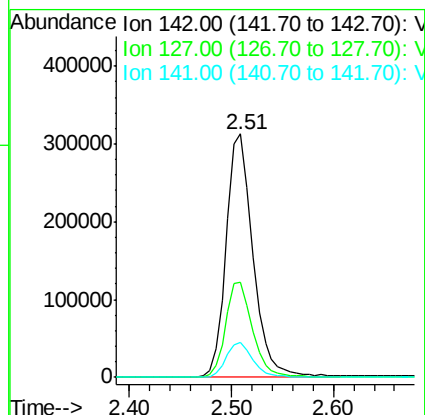
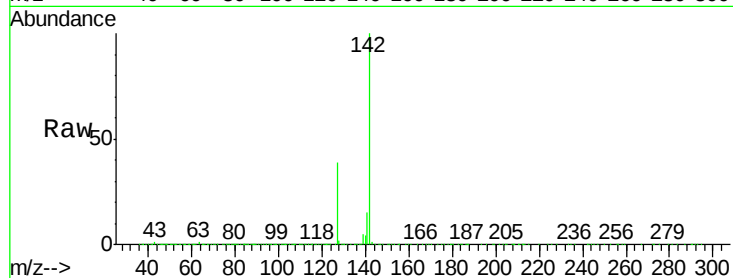




#11
Methyl Iodide
Concen: 104.97 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

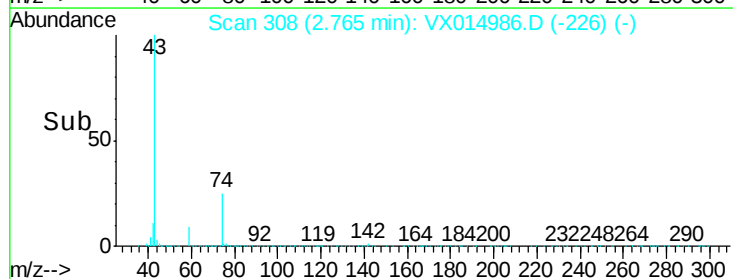
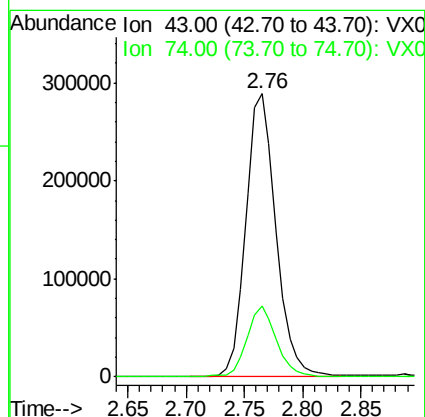
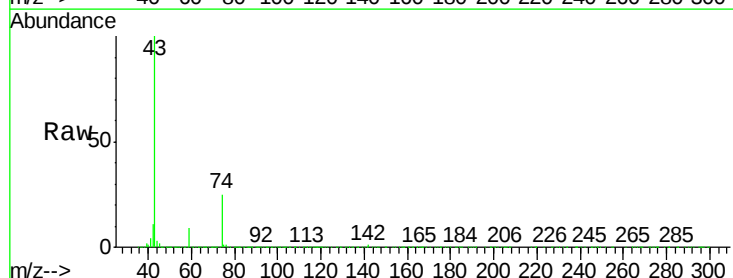
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

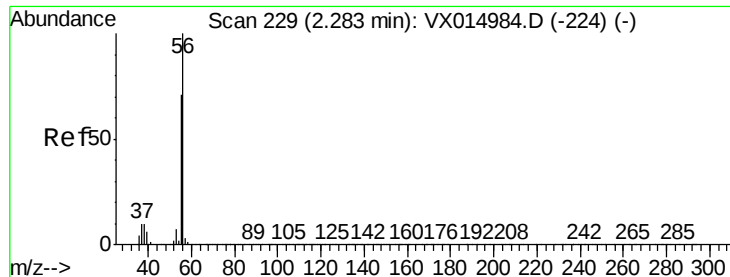
Tgt Ion: 142 Resp: 573045
Ion Ratio Lower Upper
142 100
127 39.0 19.7 59.0
141 14.5 7.4 22.2



#12
Methyl Acetate
Concen: 73.70 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion: 43 Resp: 520804
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8





#13

Acrolein

Concen: 620.31 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

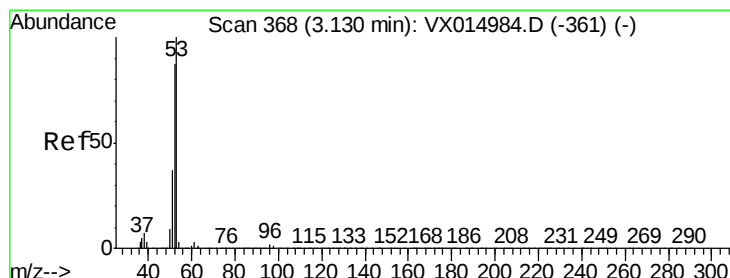
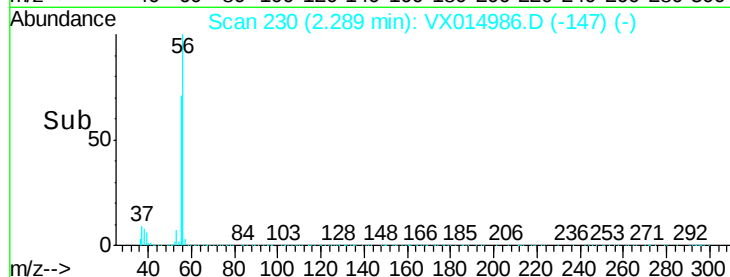
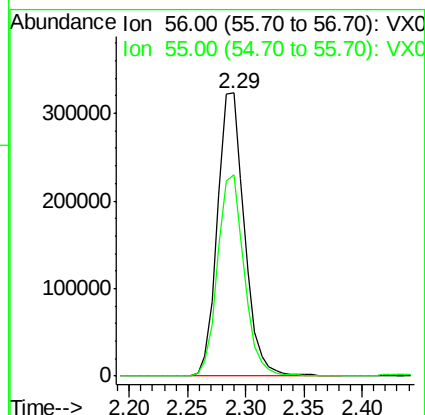
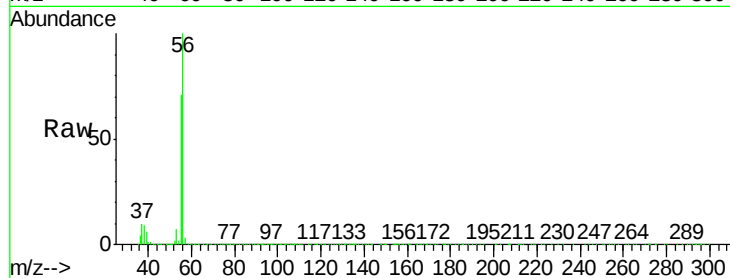
VSTDIC100

Tgt Ion: 56 Resp: 514700

Ion Ratio Lower Upper

56 100

55 69.9 56.2 84.2



#14

Acrylonitrile

Concen: 470.69 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

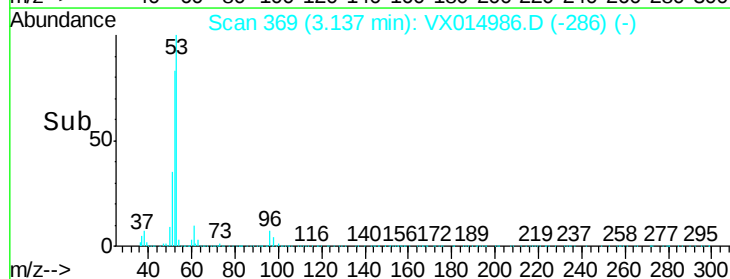
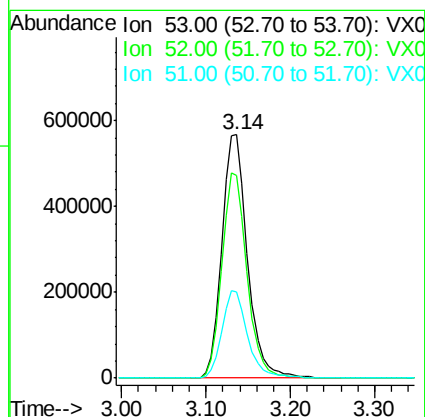
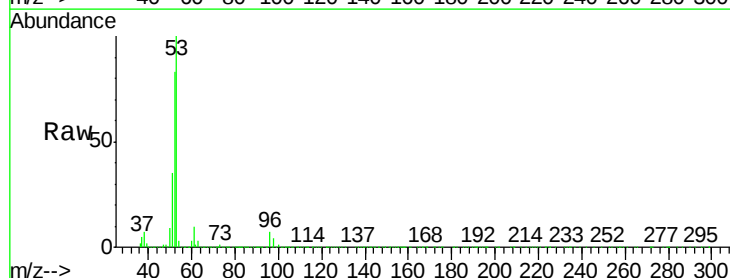
Tgt Ion: 53 Resp: 1183600

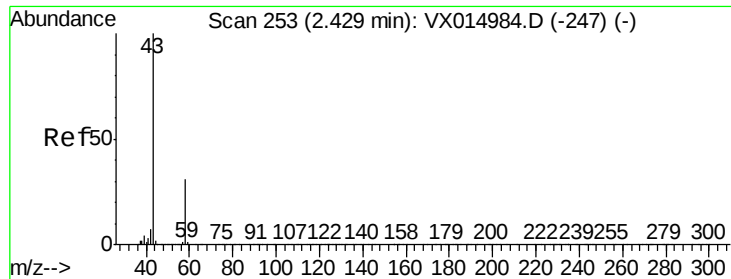
Ion Ratio Lower Upper

53 100

52 83.0 41.5 124.6

51 36.0 18.1 54.4





#15

Acetone

Concen: 478.89 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

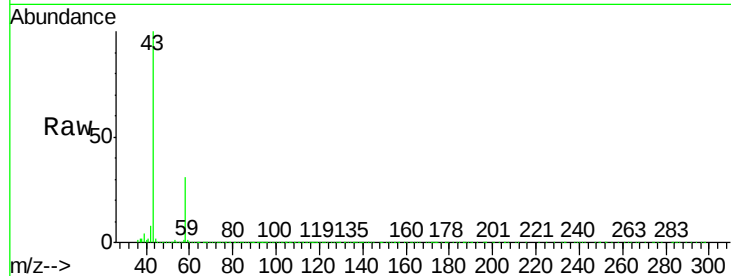
VSTDIC100

Tgt Ion: 58 Resp: 412060

Ion Ratio Lower Upper

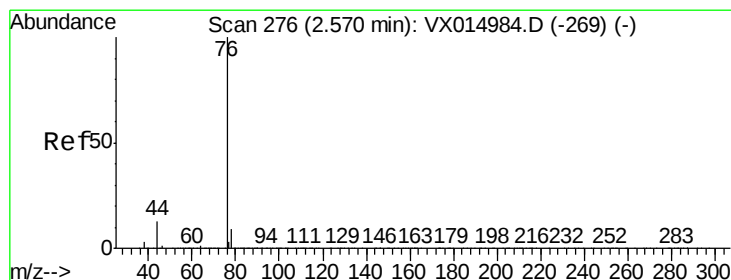
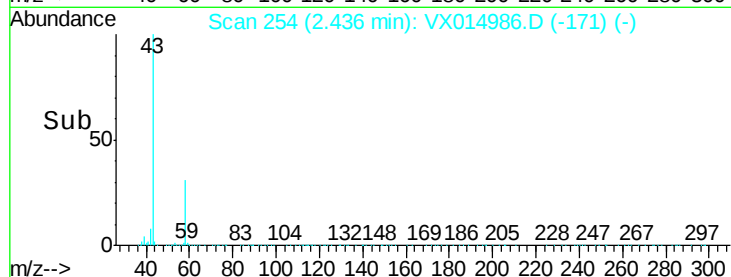
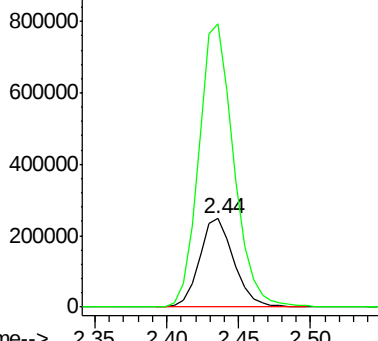
58 100

43 318.7 257.7 386.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 99.39 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.00 min

Lab File: VX014986.D

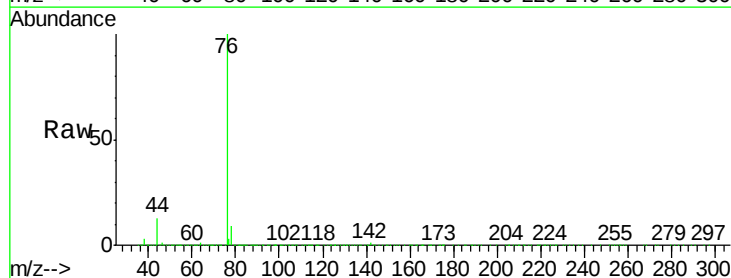
Acq: 21 Feb 2020 10:21

Tgt Ion: 76 Resp: 1131701

Ion Ratio Lower Upper

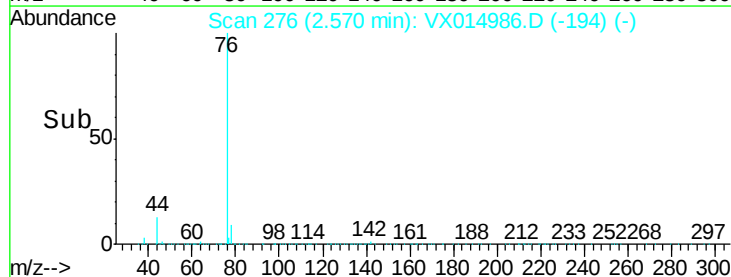
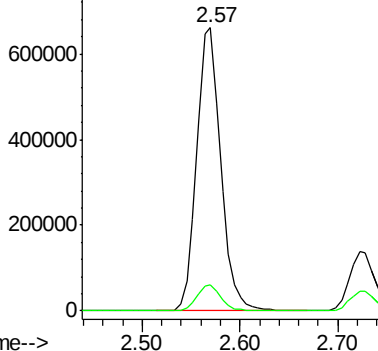
76 100

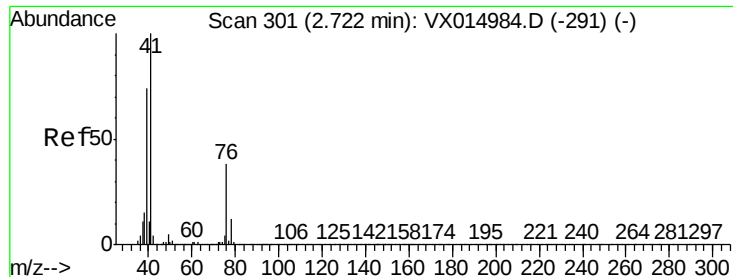
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

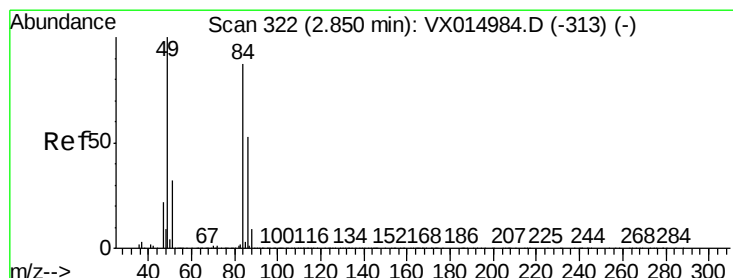
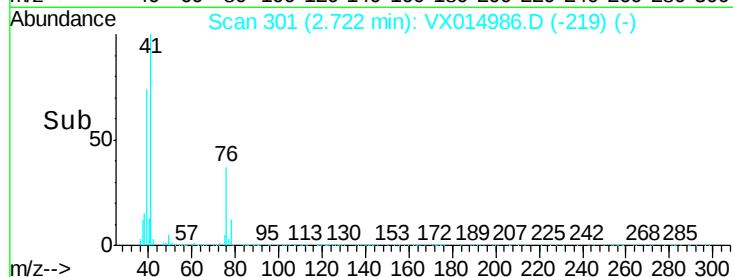
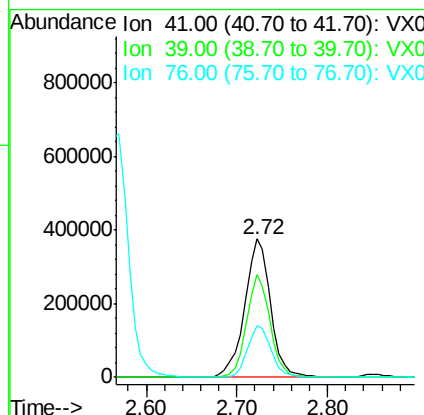
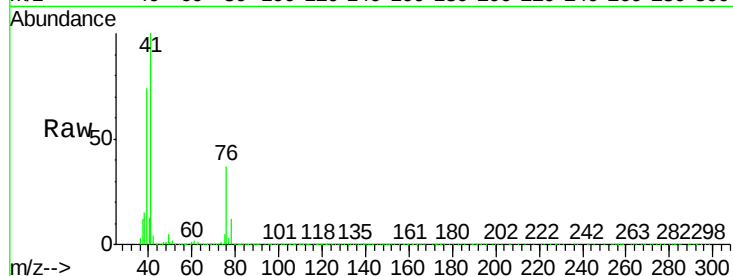




#17
 Allyl chloride
 Concen: 96.70 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

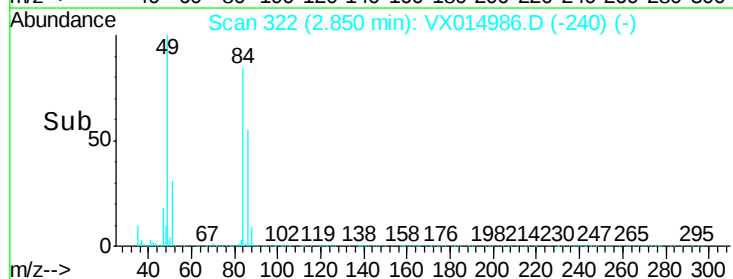
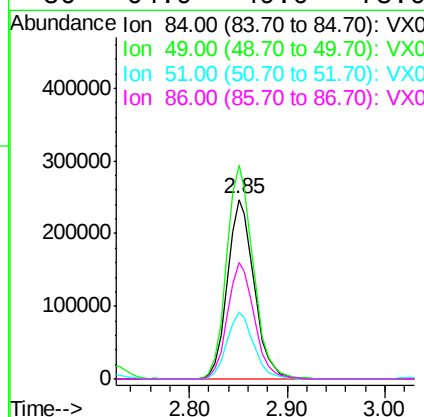
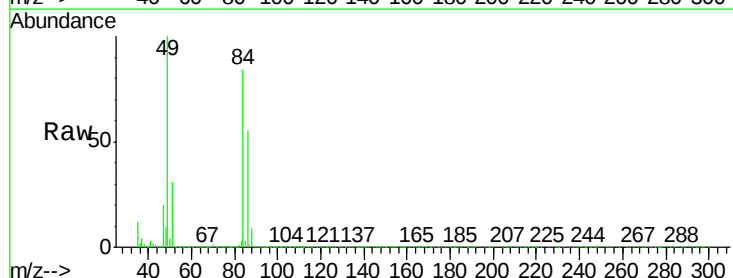
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

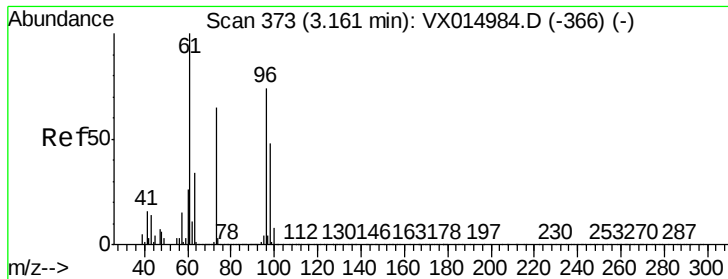
Tgt Ion: 41 Resp: 737853
 Ion Ratio Lower Upper
 41 100
 39 73.9 37.1 111.5
 76 37.0 18.8 56.4



#18
 Methylene Chloride
 Concen: 95.69 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion: 84 Resp: 465607
 Ion Ratio Lower Upper
 84 100
 49 119.0 92.2 138.2
 51 37.0 29.7 44.5
 86 64.9 49.0 73.6





#19

trans-1,2-Dichloroethene

Concen: 101.23 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

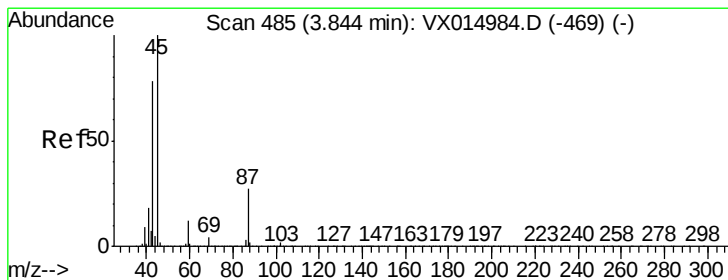
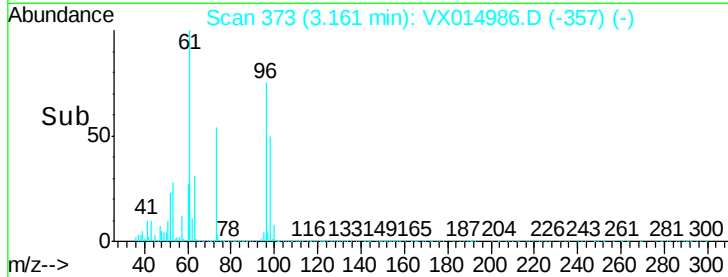
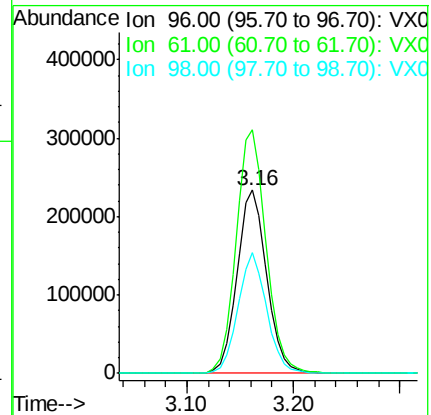
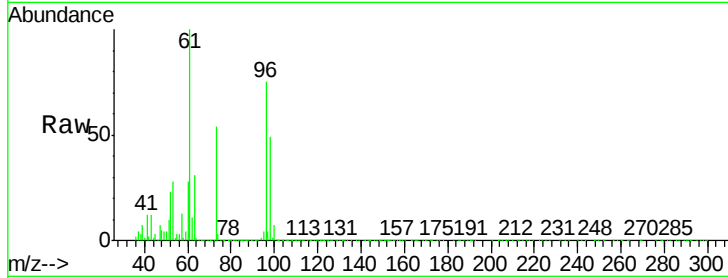
Tgt Ion: 96 Resp: 456138

Ion Ratio Lower Upper

96 100

61 133.0 107.1 160.7

98 65.8 51.4 77.2



#20

Diisopropyl ether

Concen: 95.87 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Tgt Ion: 45 Resp: 1458687

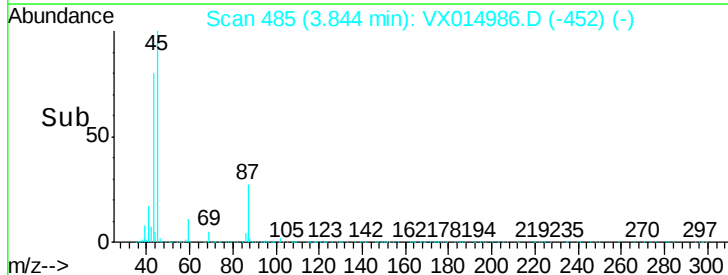
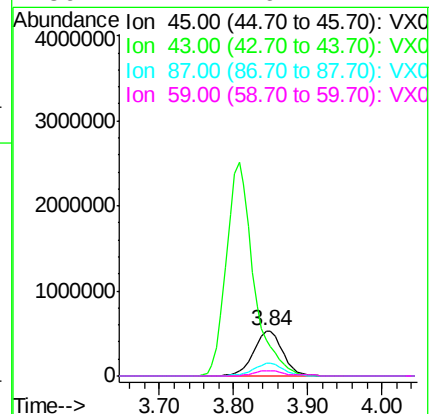
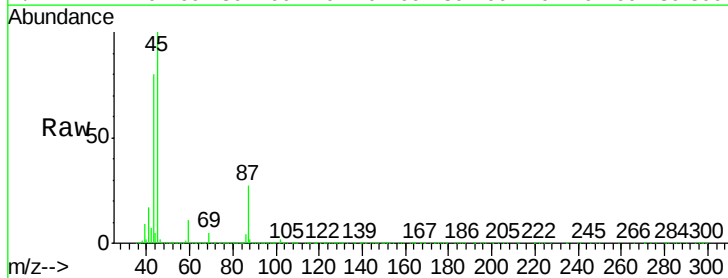
Ion Ratio Lower Upper

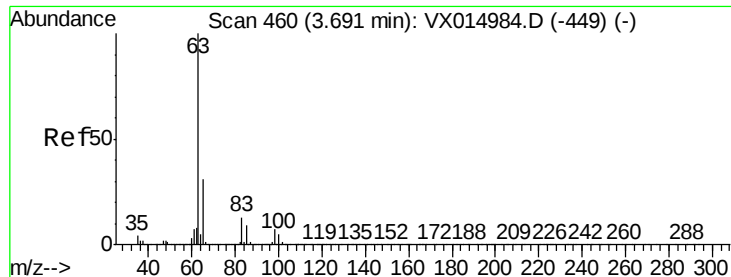
45 100

43 79.5 62.3 93.5

87 27.1 21.8 32.6

59 11.2 9.4 14.2





#21

1,1-Dichloroethane

Concen: 97.64 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

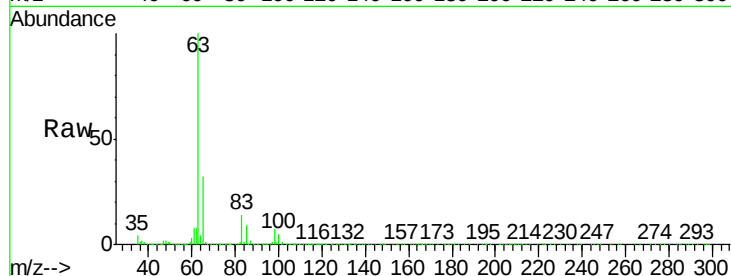
Tgt Ion: 63 Resp: 805477

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

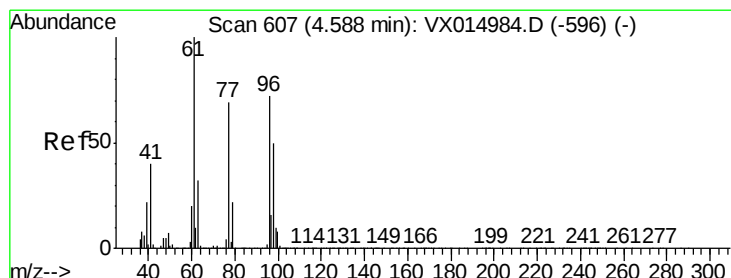
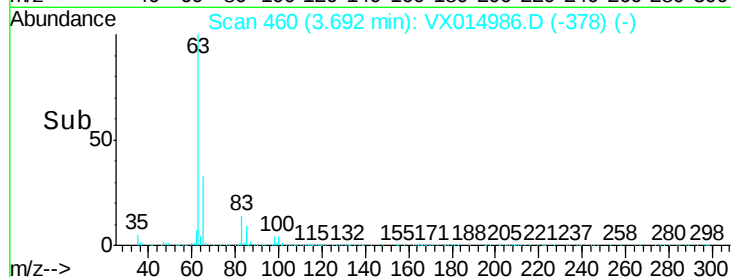
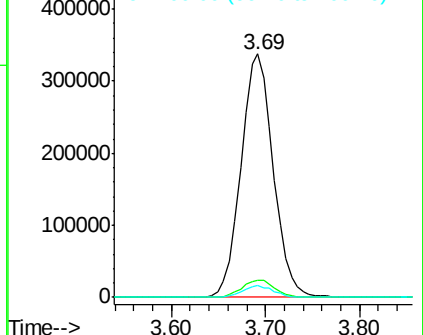
100 4.8 2.5 7.5



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 100.59 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

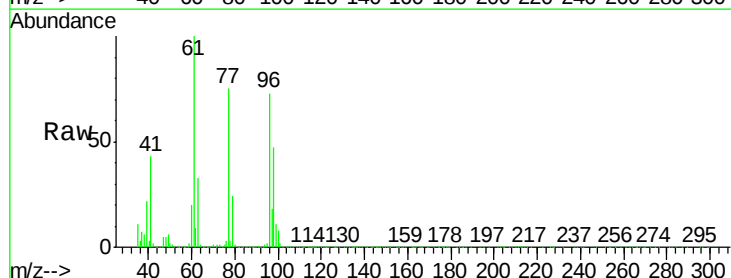
Tgt Ion: 96 Resp: 522987

Ion Ratio Lower Upper

96 100

61 141.7 110.6 165.8

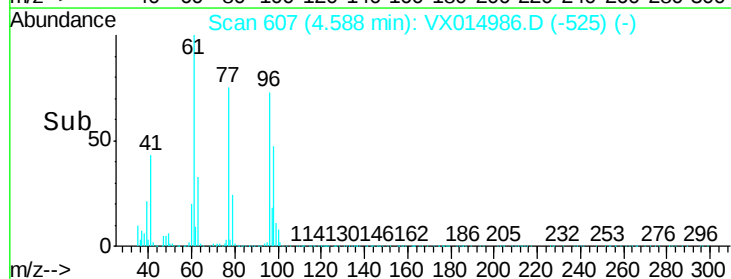
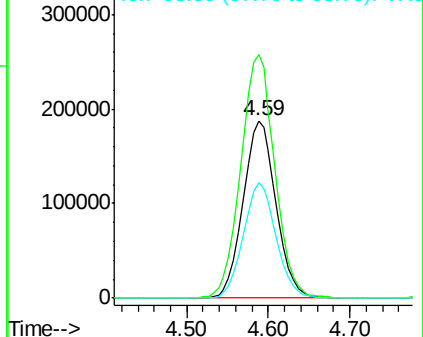
98 64.8 50.4 75.6

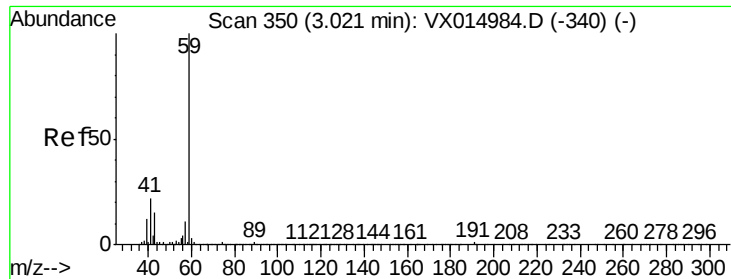


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

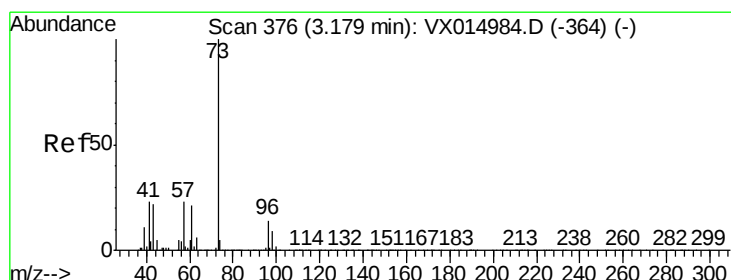
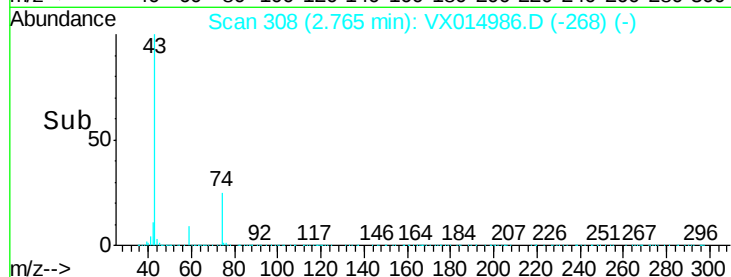
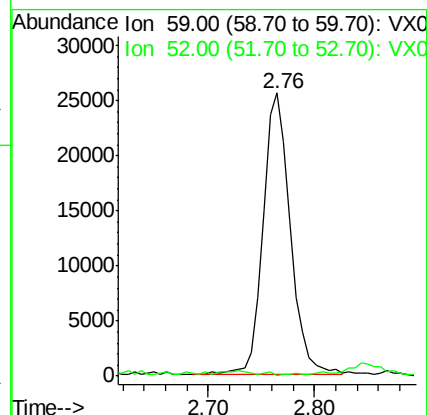
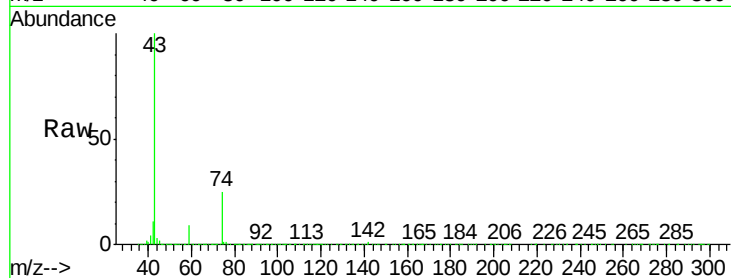




#23
tert-Butyl Alcohol
Concen: 44.12 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.26 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

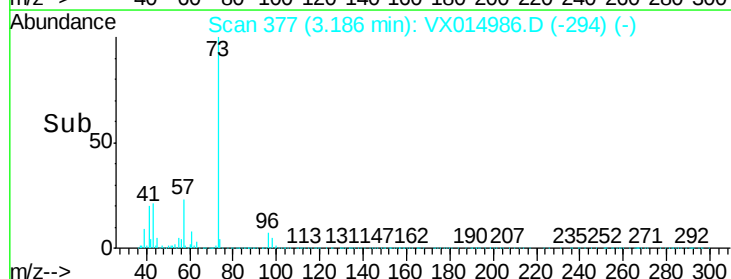
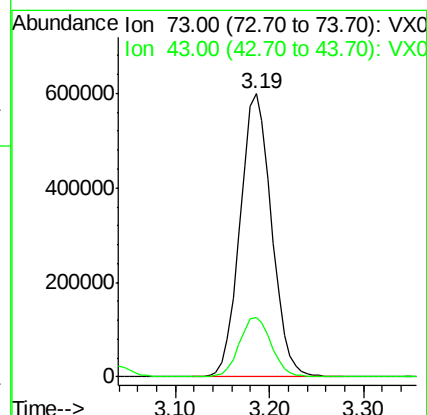
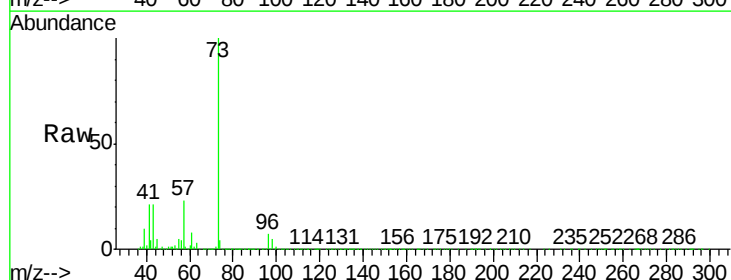
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

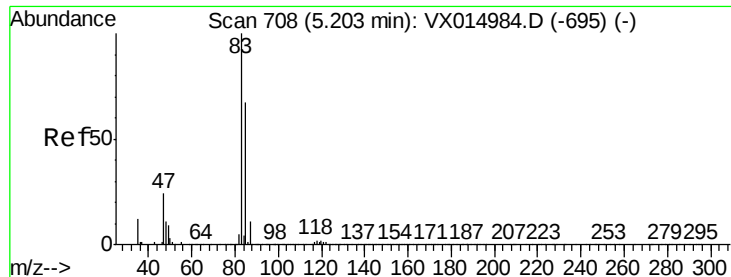
Tgt Ion: 59 Resp: 45948
Ion Ratio Lower Upper
59 100
52 0.4 0.4 0.6



#24
Methyl tert-Butyl Ether
Concen: 100.45 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion: 73 Resp: 1391565
Ion Ratio Lower Upper
73 100
43 21.3 17.7 26.5





#25

Chloroform

Concen: 99.57 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

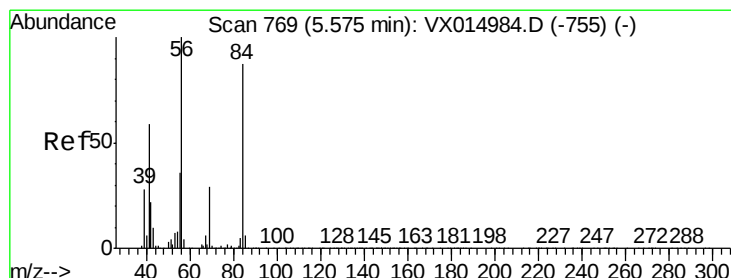
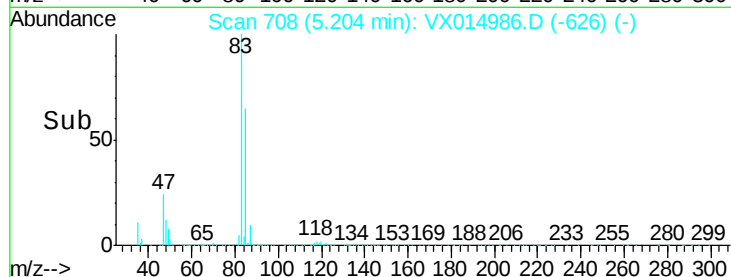
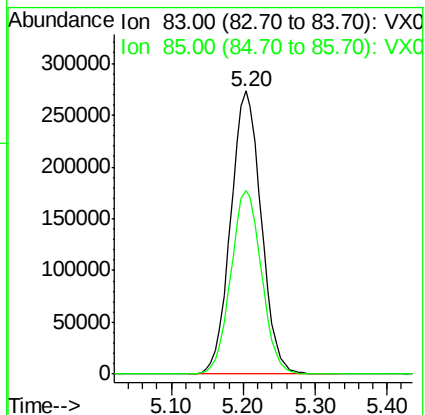
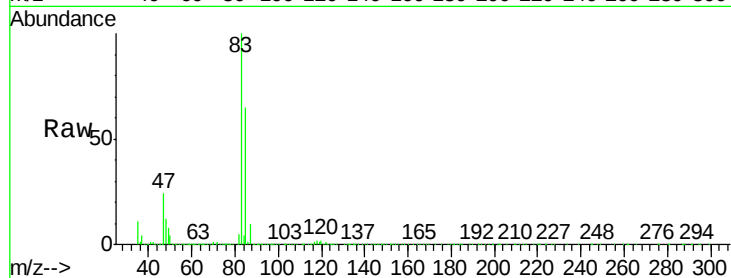
VSTDIC100

Tgt Ion: 83 Resp: 804480

Ion Ratio Lower Upper

83 100

85 64.9 53.4 80.0



#26

Cyclohexane

Concen: 96.27 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

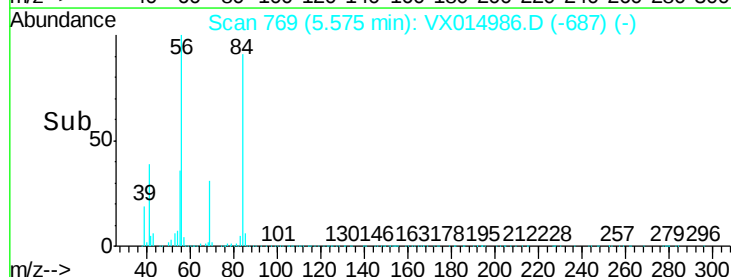
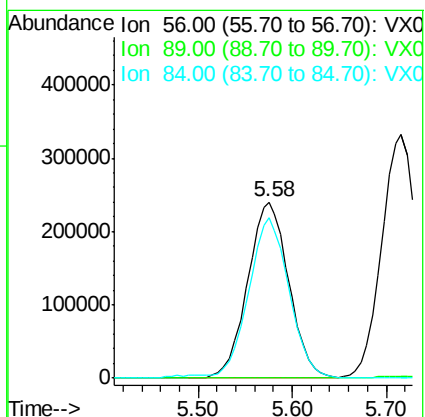
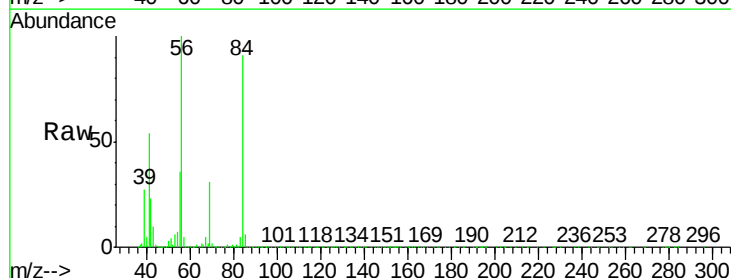
Tgt Ion: 56 Resp: 730398

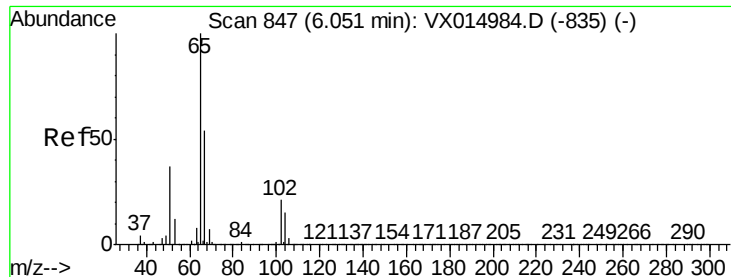
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 89.7 71.8 107.8





#27

1,2-Dichloroethane-d4

Concen: 29.64 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

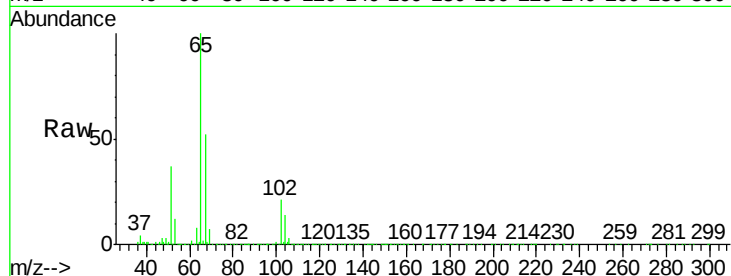
VSTDIC100

Tgt Ion: 65 Resp: 159108

Ion Ratio Lower Upper

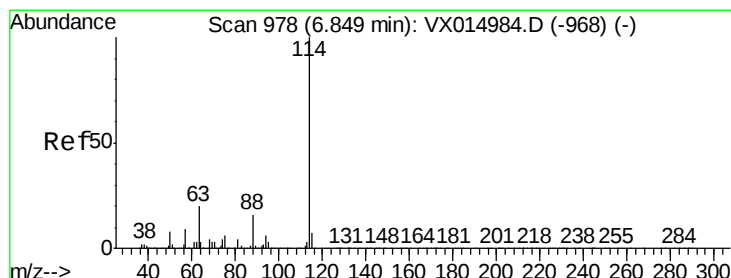
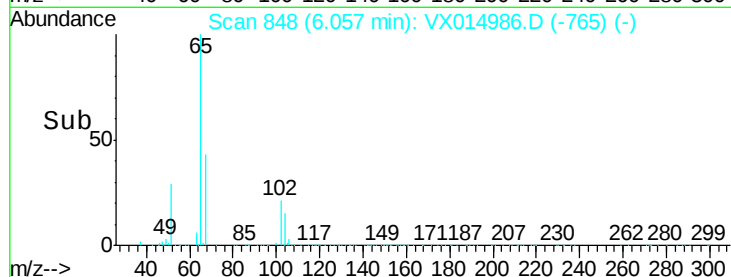
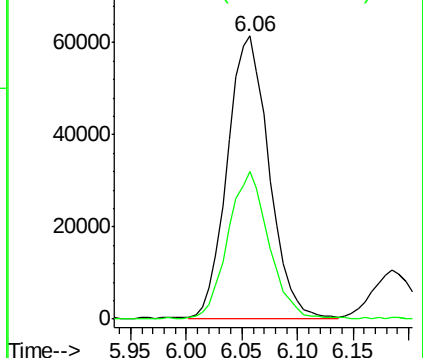
65 100

67 50.8 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

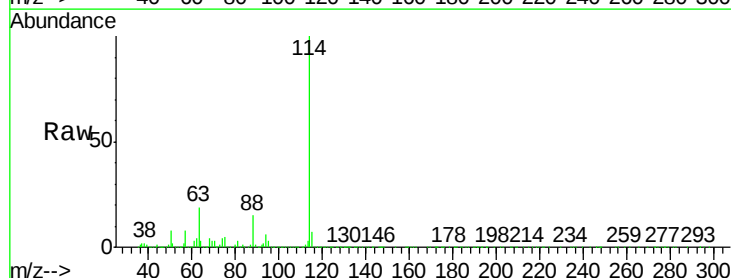
Tgt Ion: 114 Resp: 425905

Ion Ratio Lower Upper

114 100

63 19.4 15.6 23.4

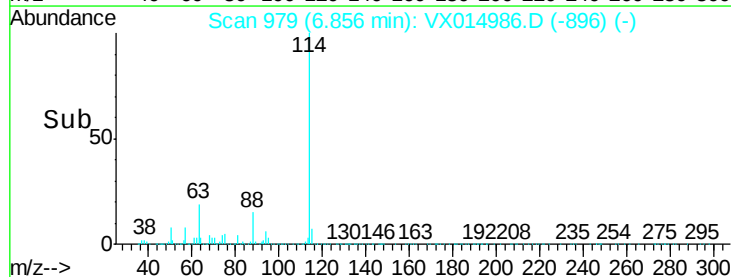
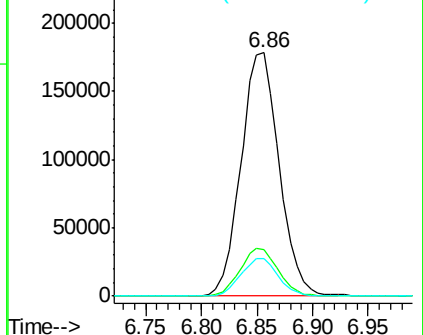
88 15.2 12.2 18.2

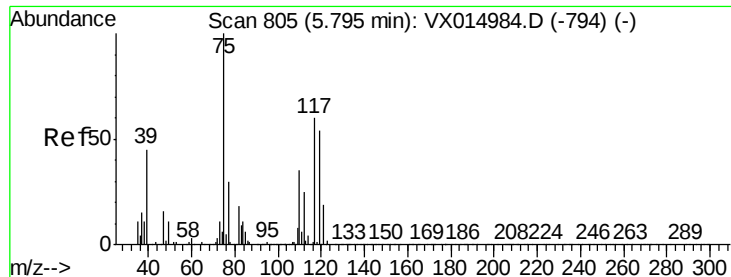


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

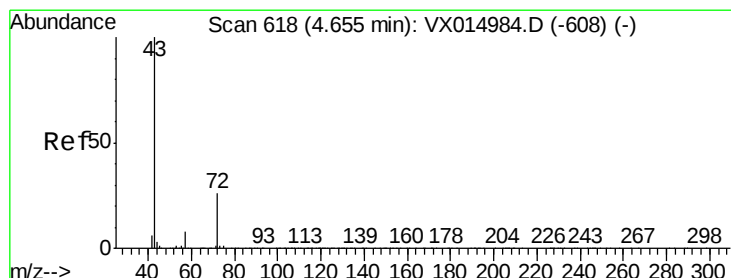
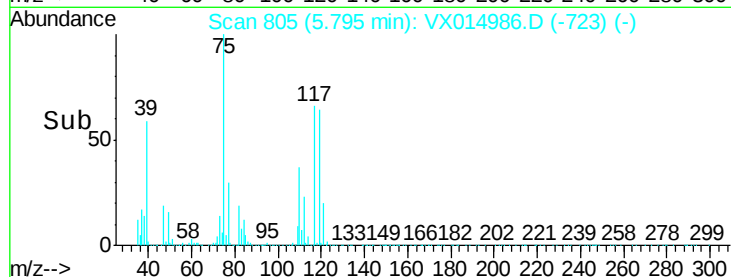
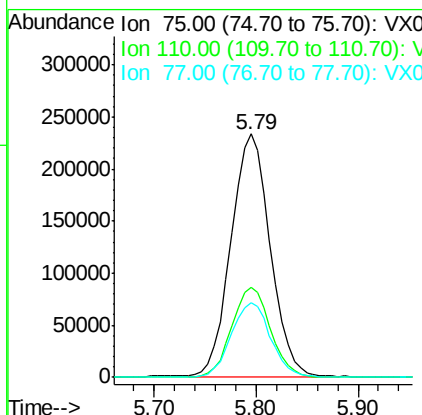
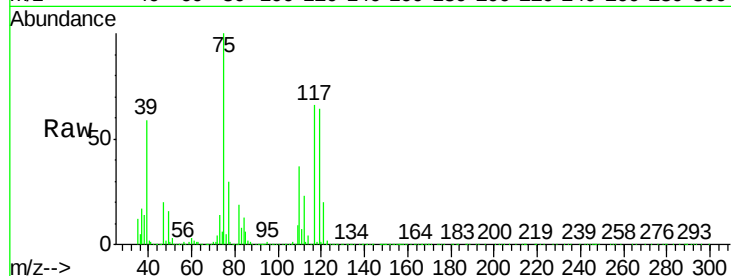




#29
1,1-Dichloropropene
Concen: 100.98 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

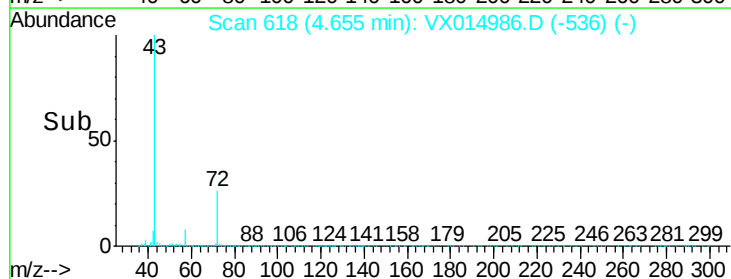
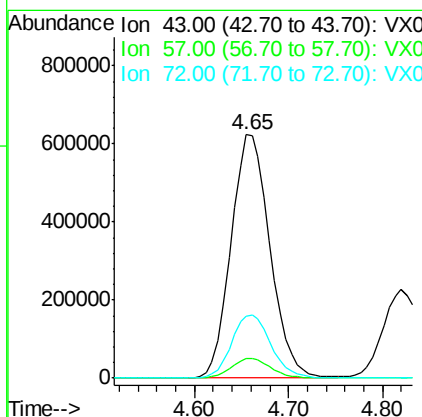
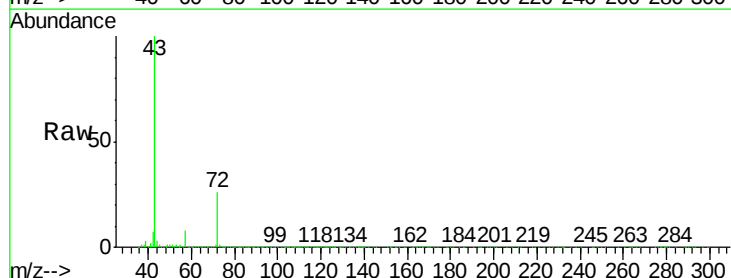
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

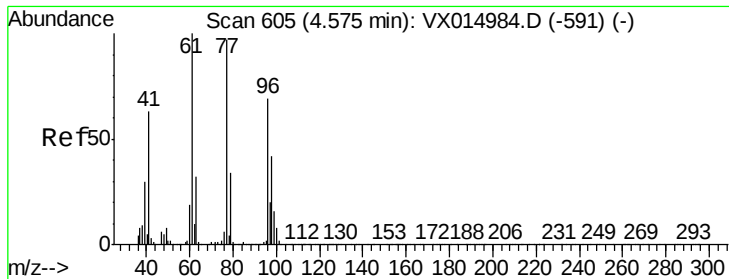
Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	75.0
77	30.7	0.0	64.0



#30
2-Butanone
Concen: 466.89 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	26.1	20.3	30.5





#31

2,2-Dichloropropane

Concen: 103.13 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

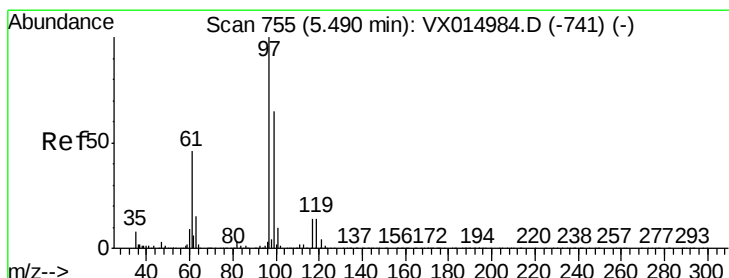
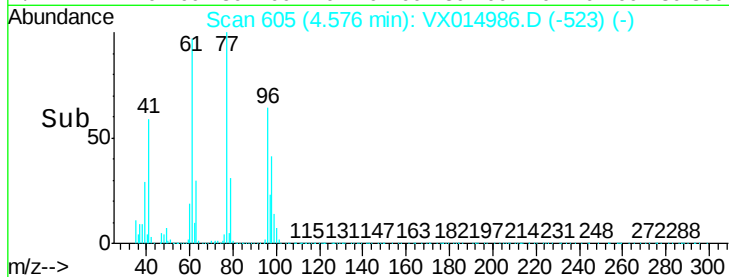
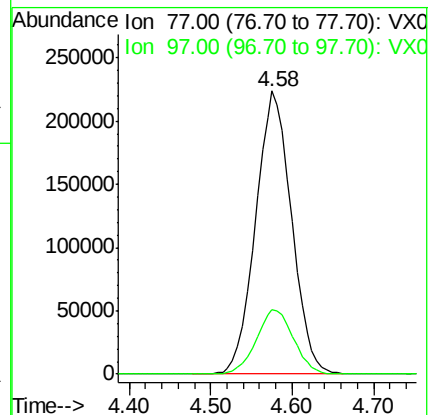
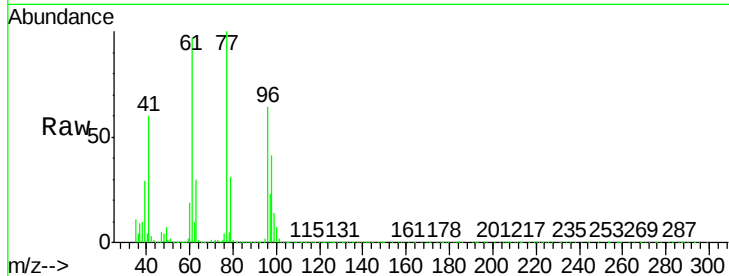
VSTDIC100

Tgt Ion: 77 Resp: 684335

Ion Ratio Lower Upper

77 100

97 23.4 18.4 27.6



#32

1,1,1-Trichloroethane

Concen: 102.76 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

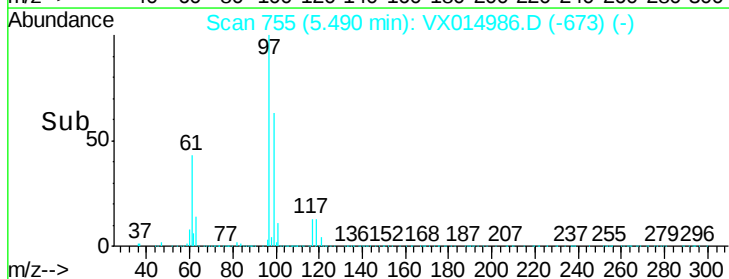
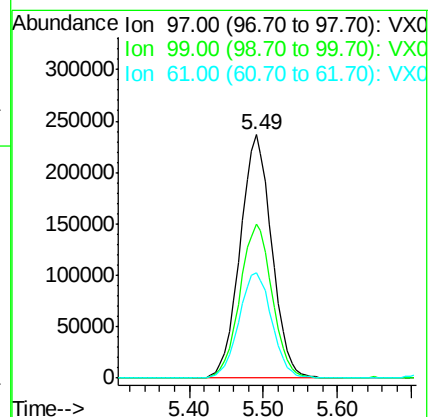
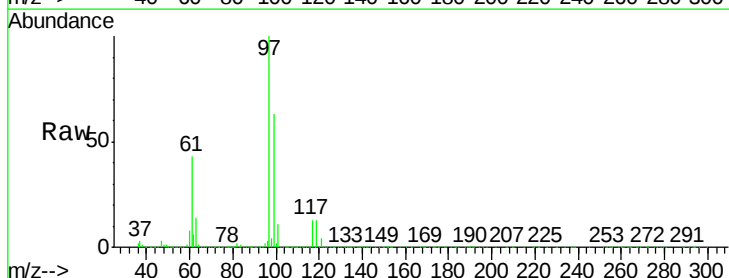
Tgt Ion: 97 Resp: 704746

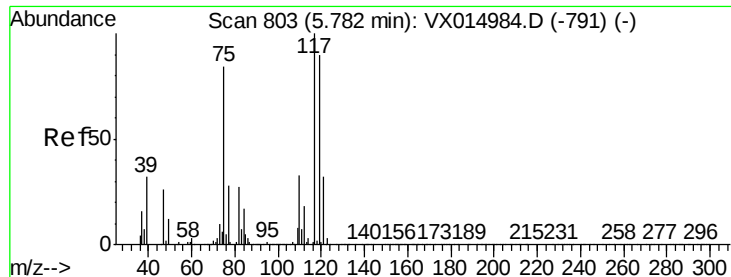
Ion Ratio Lower Upper

97 100

99 64.4 53.0 79.6

61 44.9 36.2 54.2





#33

Carbon Tetrachloride

Concen: 104.04 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

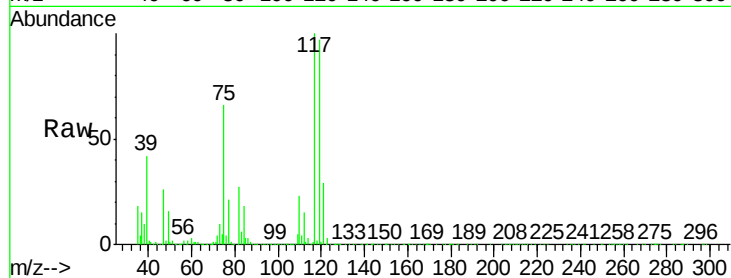
Tgt Ion:117 Resp: 615636

Ion Ratio Lower Upper

117 100

119 97.0 71.9 107.9

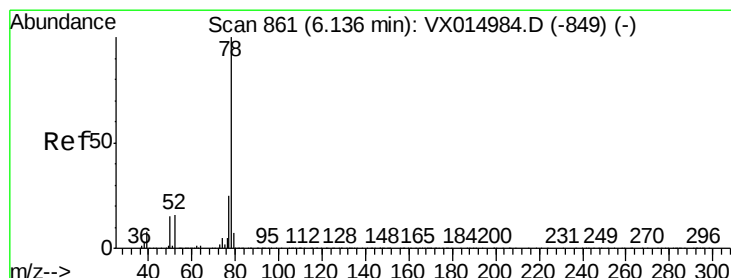
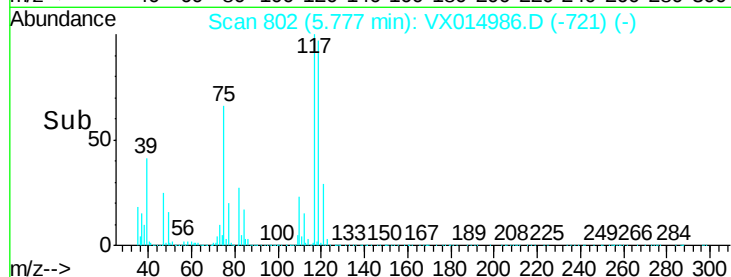
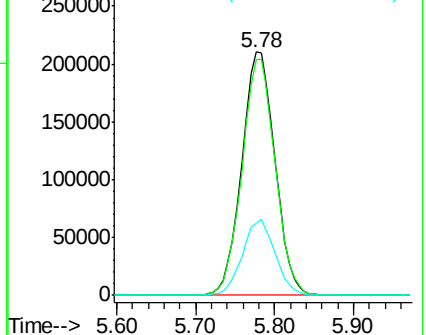
121 29.4 25.4 38.2



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: 97.82 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

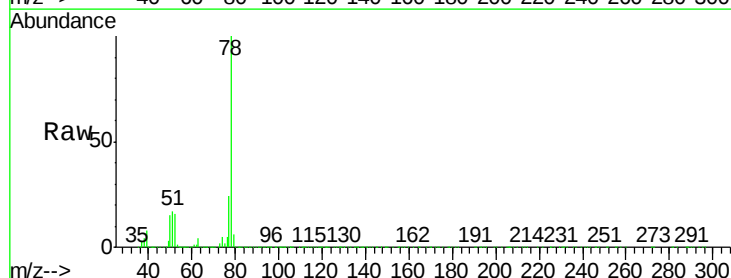
Tgt Ion: 78 Resp: 1851835

Ion Ratio Lower Upper

78 100

77 23.5 20.0 30.0

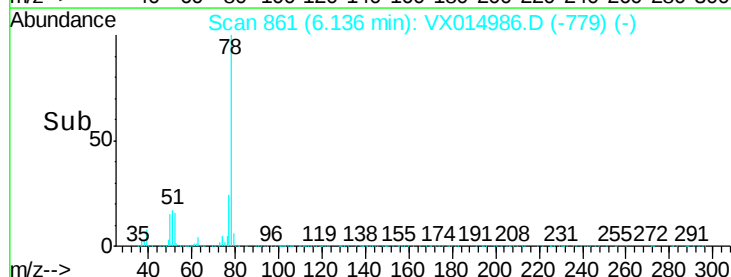
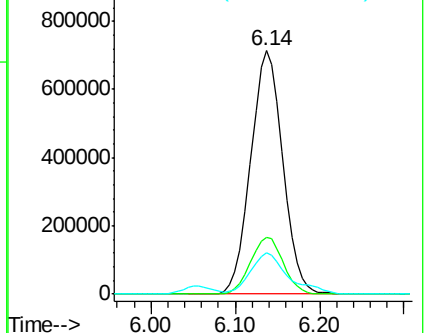
51 16.4 13.3 19.9

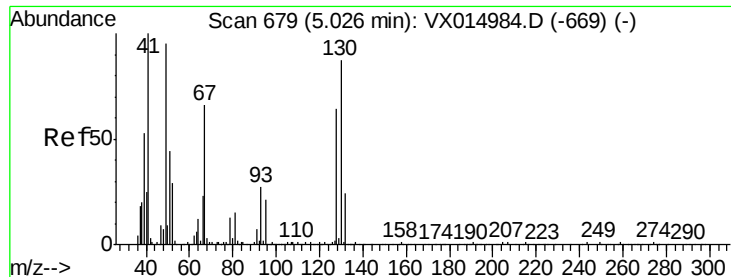


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#35

Methacrylonitrile

Concen: 96.29 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 367910

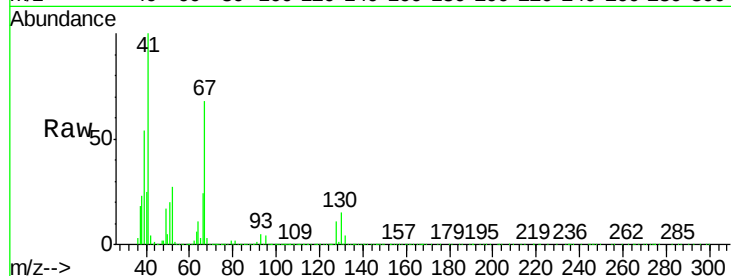
Ion Ratio Lower Upper

41 100

39 53.5 25.9 77.7

67 67.8 32.7 98.1

52 26.6 13.8 41.4

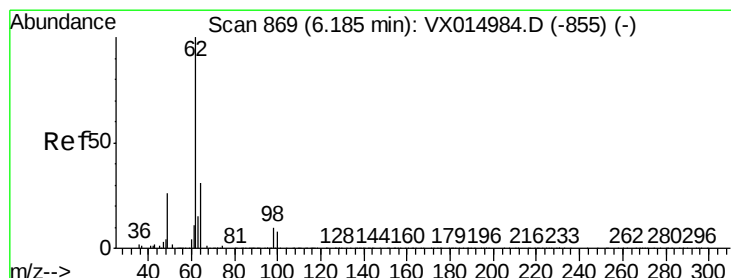
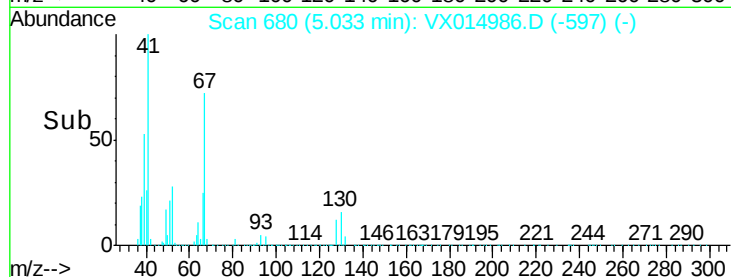
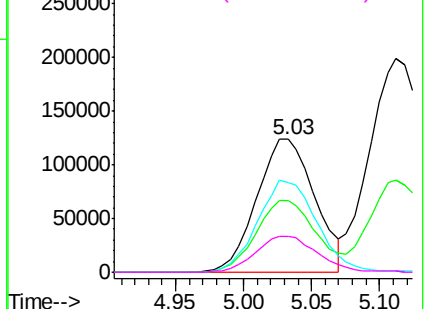


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 97.87 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX014986.D

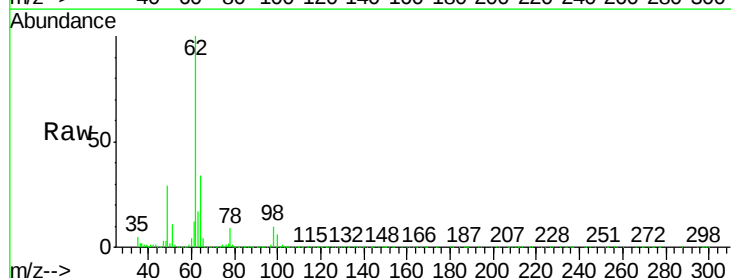
Acq: 21 Feb 2020 10:21

Tgt Ion: 62 Resp: 647313

Ion Ratio Lower Upper

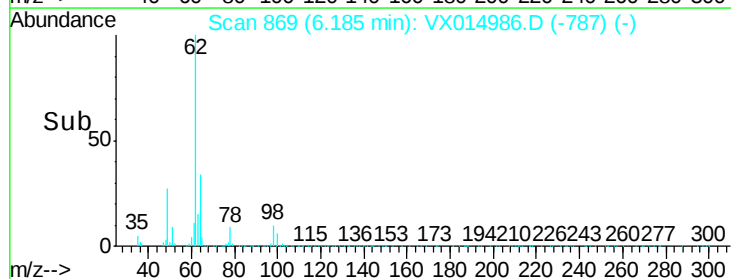
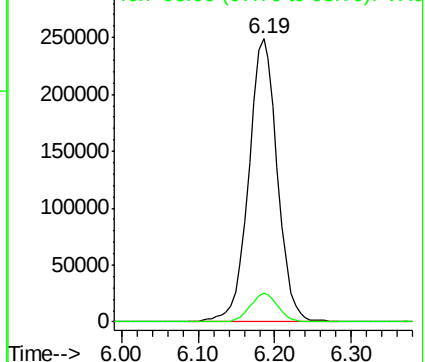
62 100

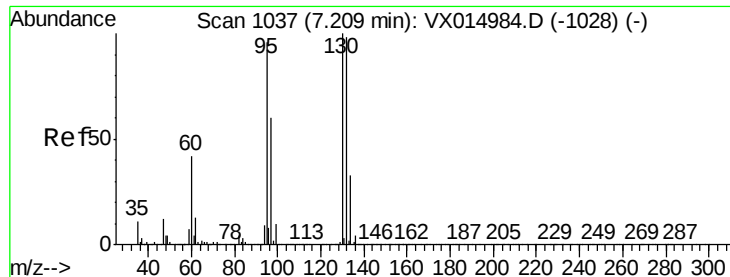
98 9.9 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 101.55 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

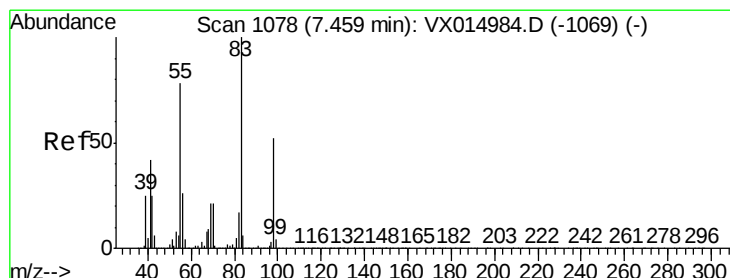
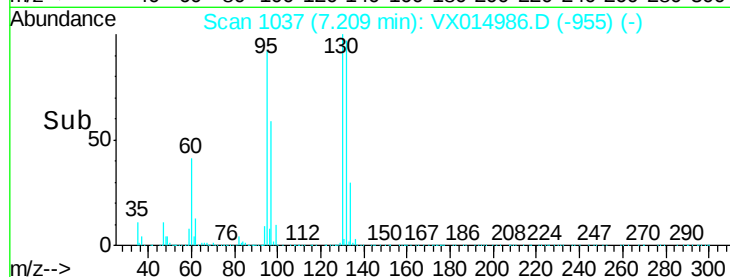
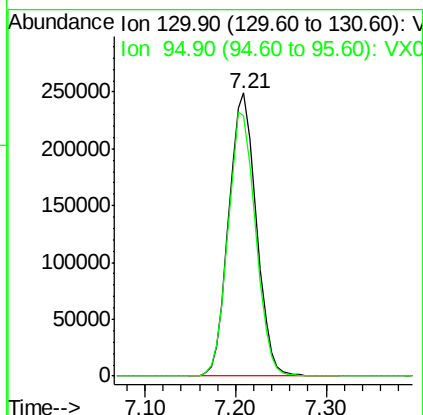
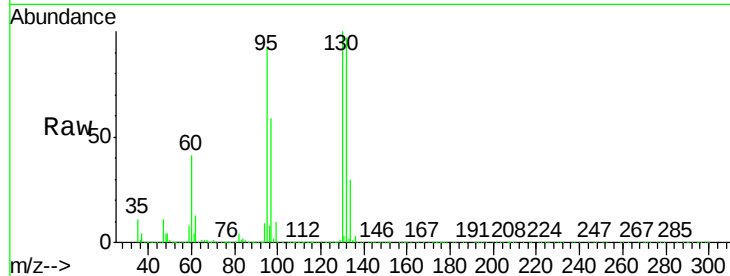
Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:130 Resp: 527054

Ion	Ratio	Lower	Upper
130	100		
95	92.1	77.1	115.7



#38

Methylcyclohexane

Concen: 102.05 ug/l

RT: 7.46 min Scan# 1078

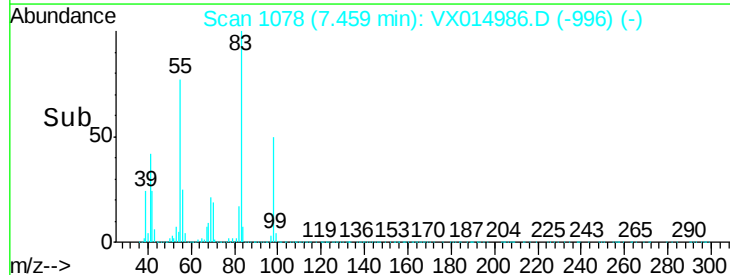
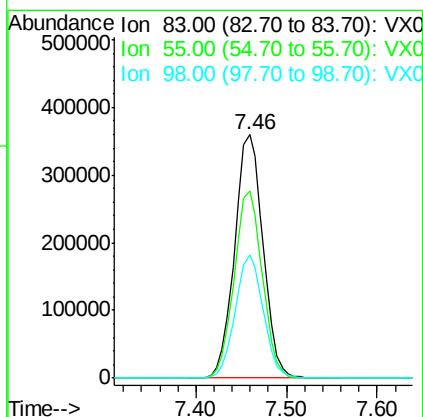
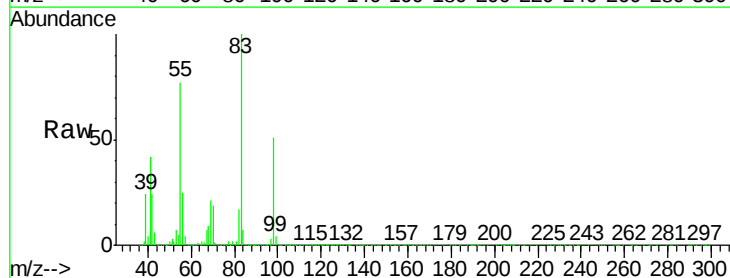
Delta R.T. 0.00 min

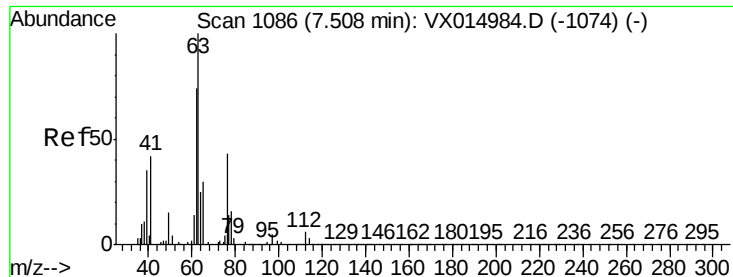
Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Tgt Ion: 83 Resp: 780261

Ion	Ratio	Lower	Upper
83	100		
55	75.8	38.2	114.6
98	49.8	25.3	75.8

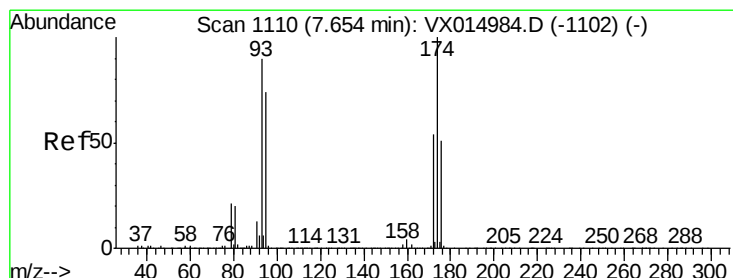
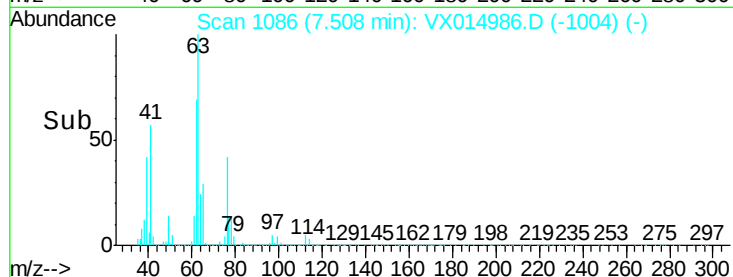
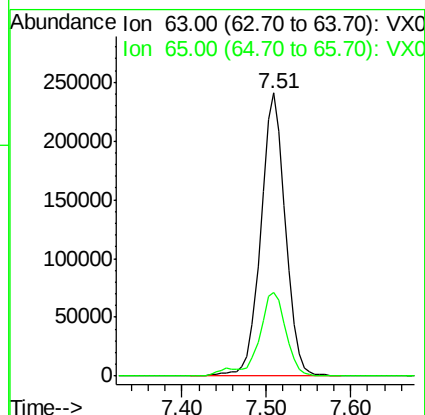
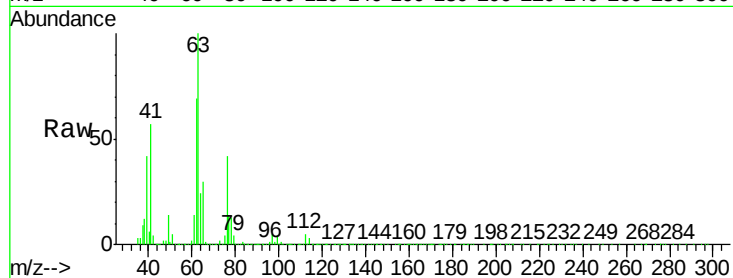




#39
 1,2-Dichloropropane
 Concen: 97.85 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

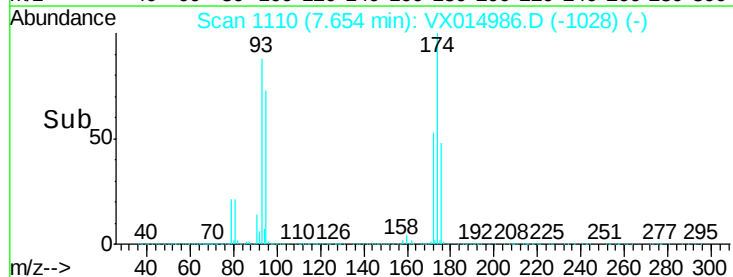
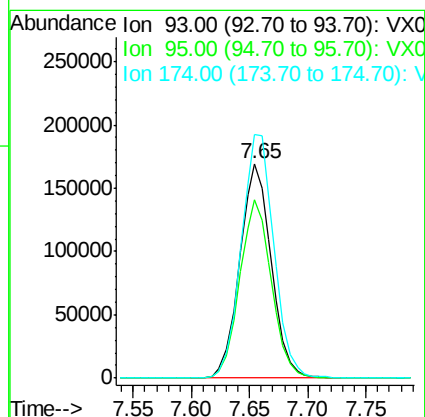
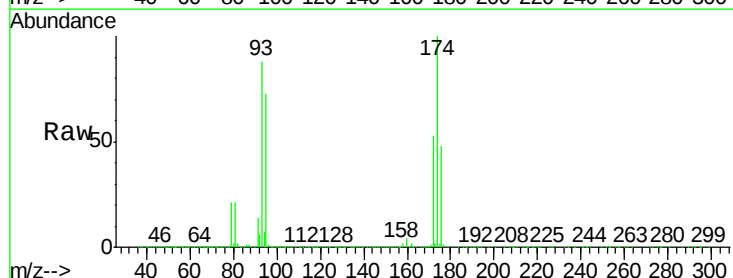
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

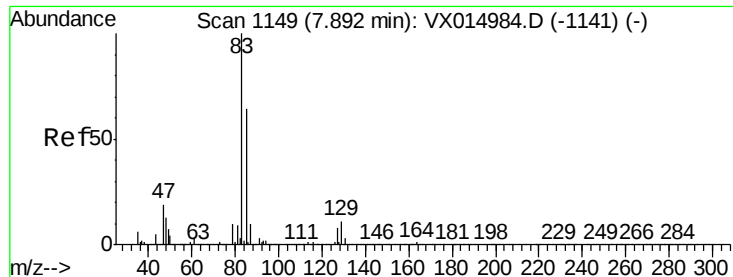
Tgt Ion: 63 Resp: 480838
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.6 36.8



#40
 Dibromomethane
 Concen: 99.48 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion: 93 Resp: 318408
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 164.6
 174 118.5 0.0 226.4





#41

Bromodichloromethane

Concen: 104.22 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

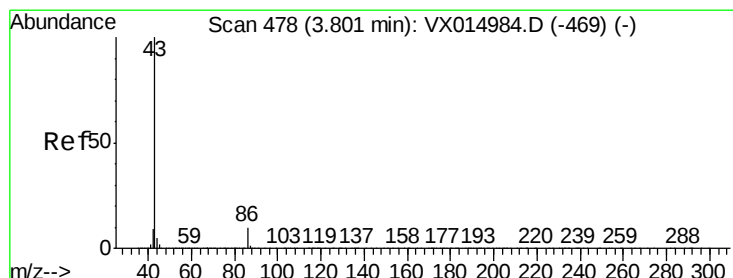
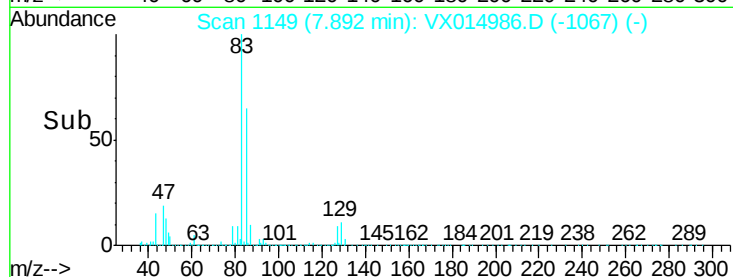
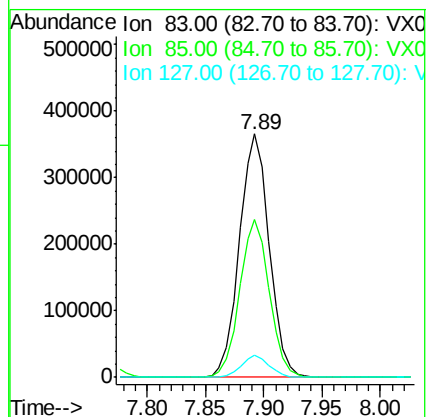
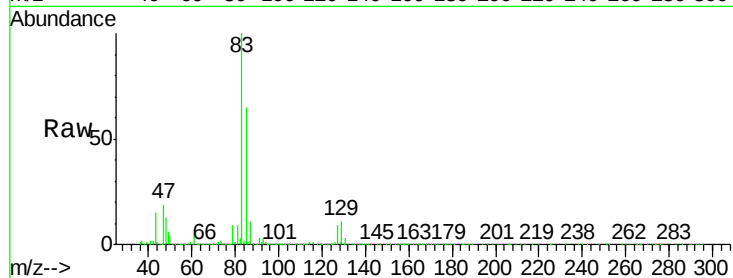
Tgt Ion: 83 Resp: 652689

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.4

127 8.9 6.6 10.0



#42

Vinyl Acetate

Concen: 529.15 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX014986.D

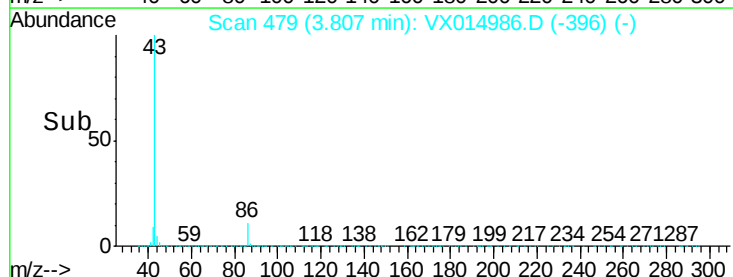
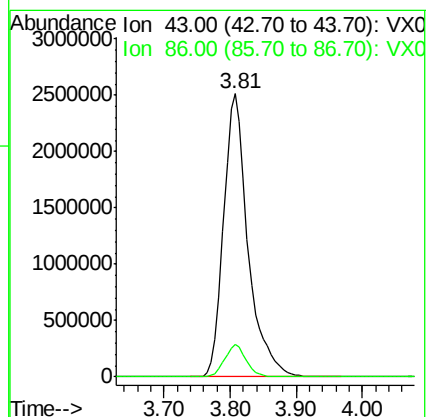
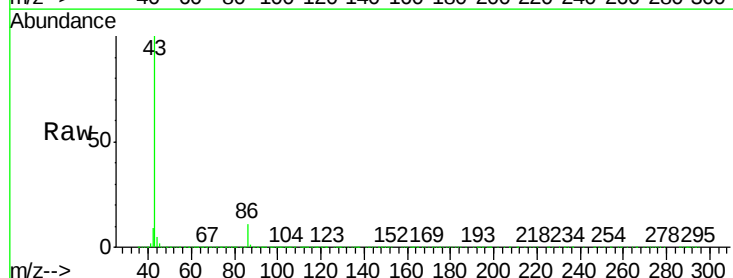
Acq: 21 Feb 2020 10:21

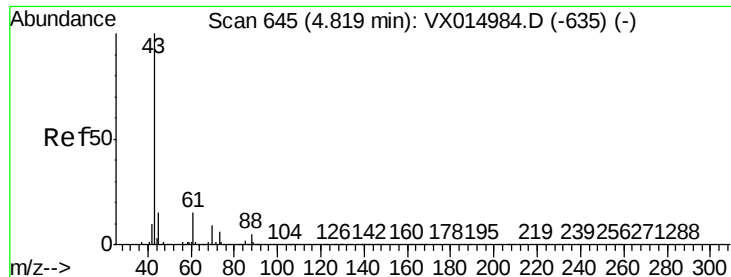
Tgt Ion: 43 Resp: 6421222

Ion Ratio Lower Upper

43 100

86 10.0 7.6 11.4

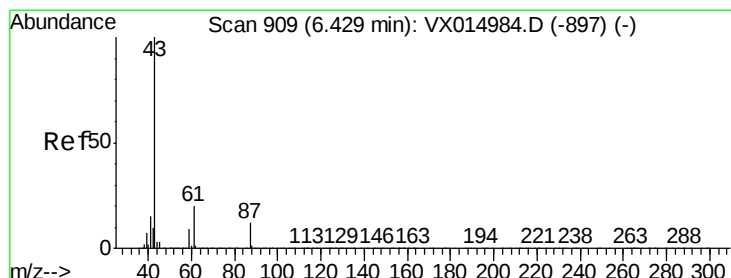
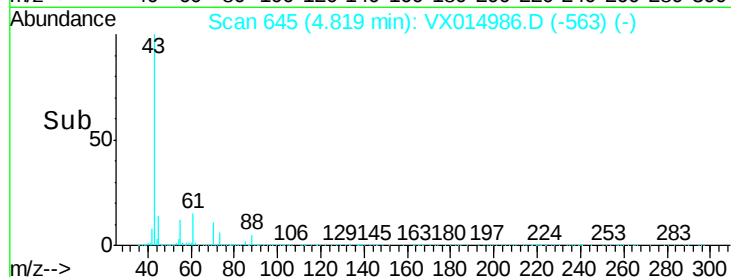
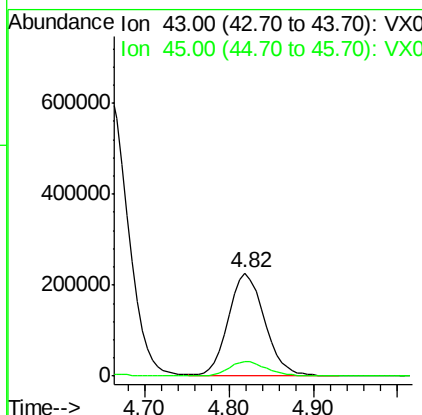
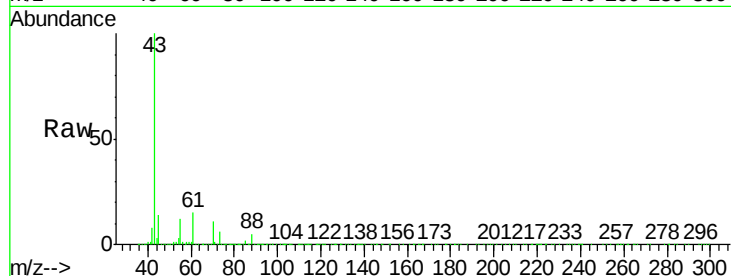




#43
Ethyl Acetate
Concen: 95.39 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

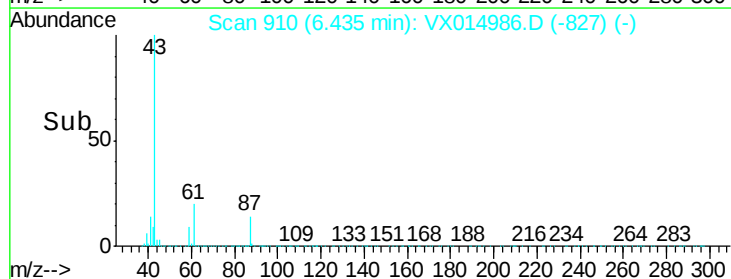
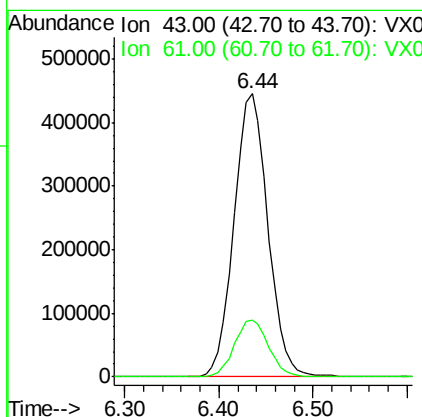
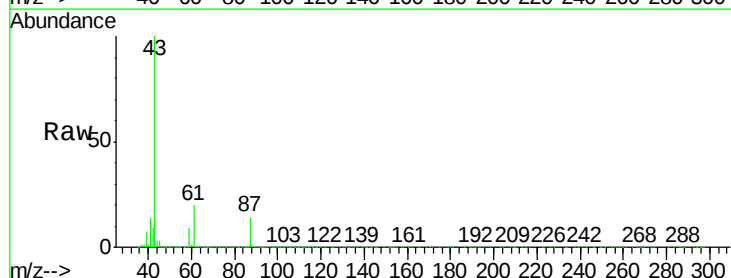
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

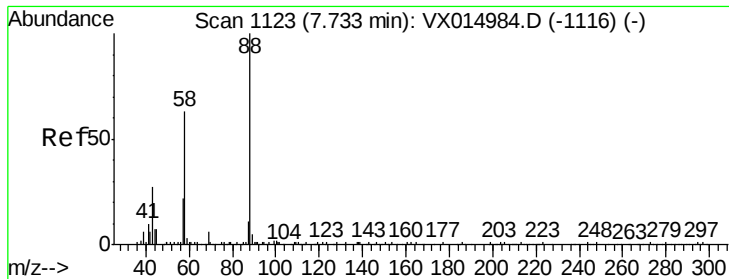
Tgt Ion: 43 Resp: 660751
Ion Ratio Lower Upper
43 100
45 14.8 10.8 16.2



#44
Isopropyl Acetate
Concen: 98.32 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion: 43 Resp: 1108989
Ion Ratio Lower Upper
43 100
61 20.2 15.6 23.4





#45

1,4-Dioxane

Concen: 1819.70 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

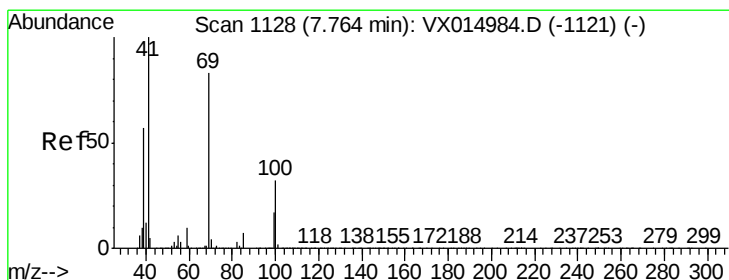
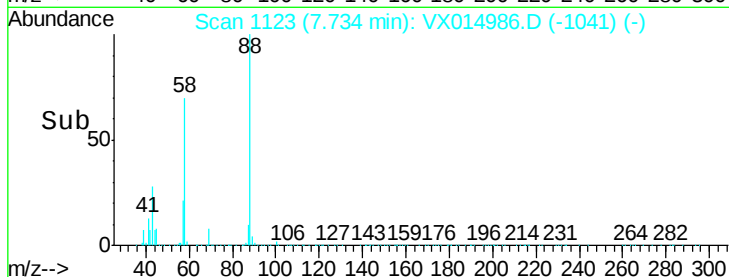
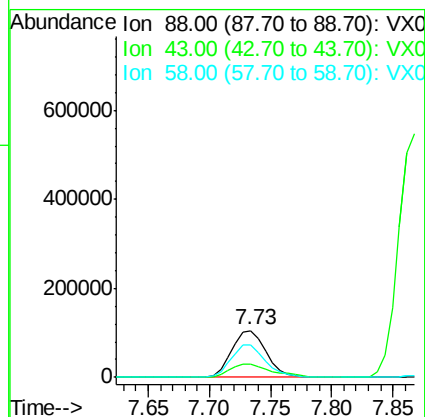
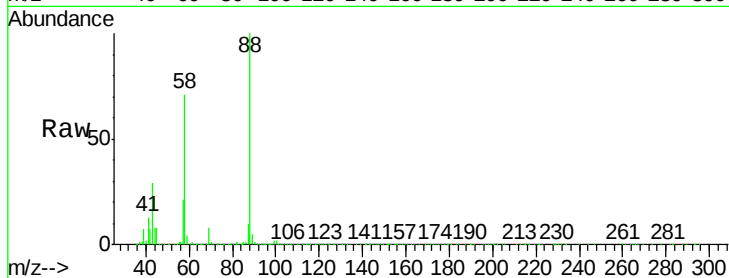
Tgt Ion: 88 Resp: 201591

Ion Ratio Lower Upper

88 100

43 34.2 25.4 38.2

58 70.9 55.8 83.8



#46

Methyl methacrylate

Concen: 100.99 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

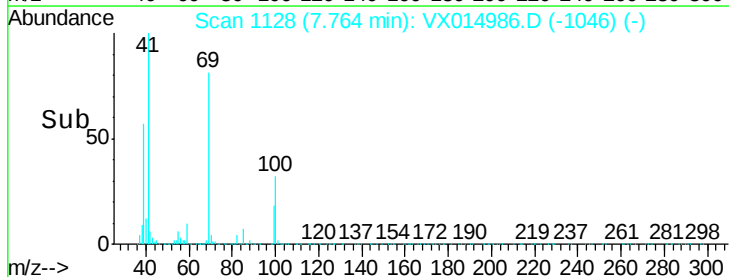
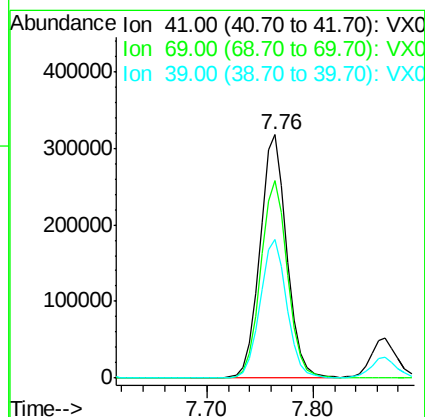
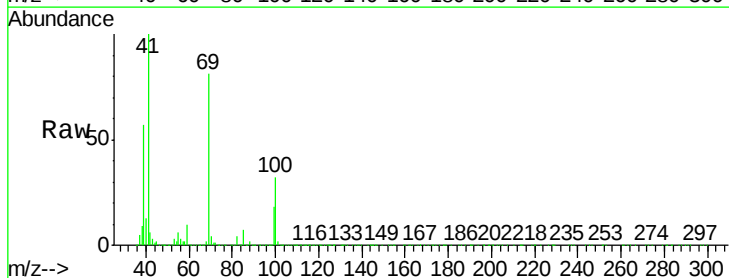
Tgt Ion: 41 Resp: 559455

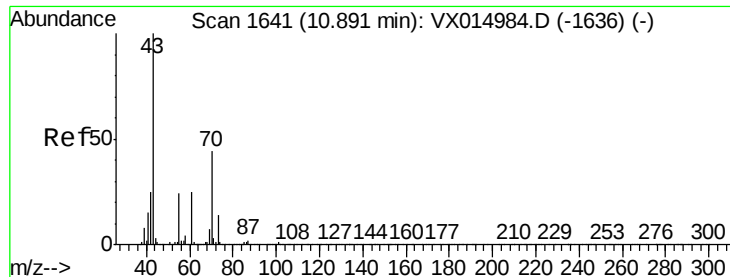
Ion Ratio Lower Upper

41 100

69 81.0 41.4 124.2

39 56.7 28.3 84.9





#47

n-amy1 Acetate

Concen: 105.66 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

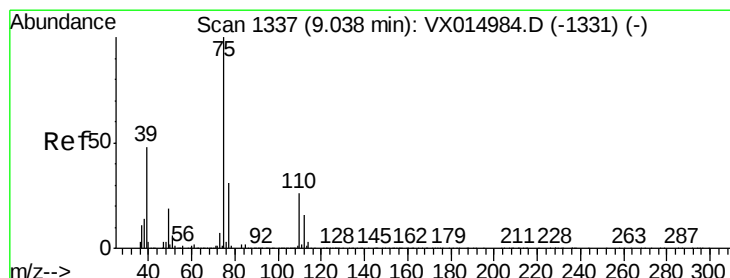
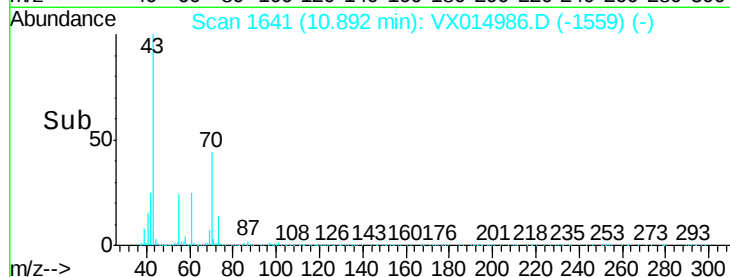
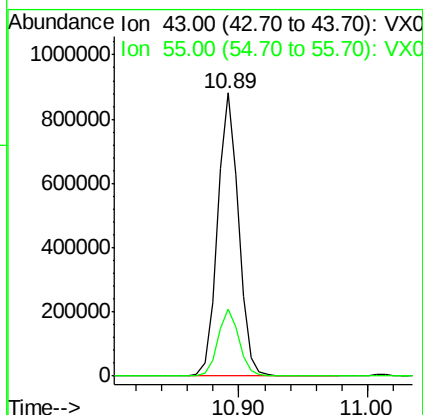
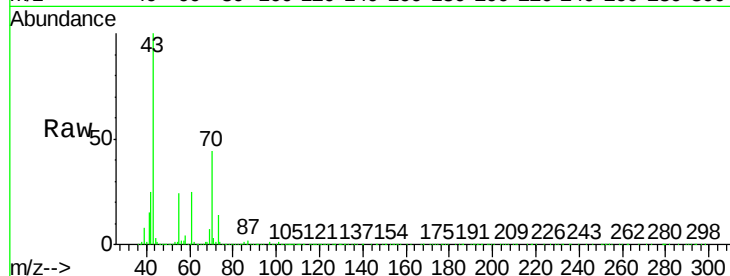
VSTDIC100

Tgt Ion: 43 Resp: 1009233

Ion Ratio Lower Upper

43 100

55 23.8 19.2 28.8



#48

t-1,3-Dichloropropene

Concen: 108.50 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014986.D

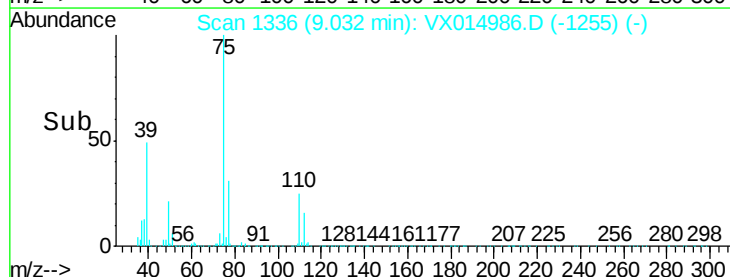
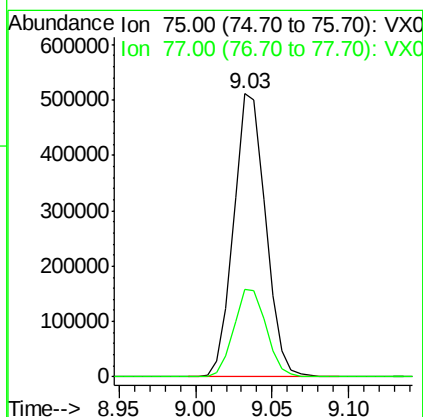
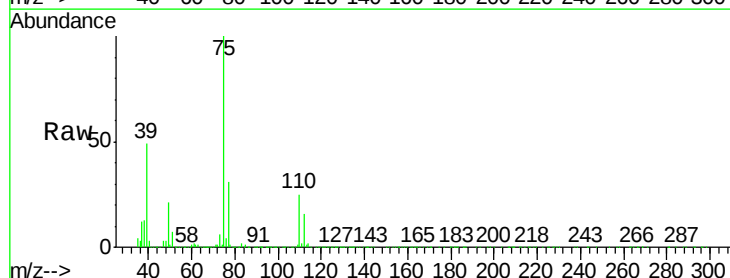
Acq: 21 Feb 2020 10:21

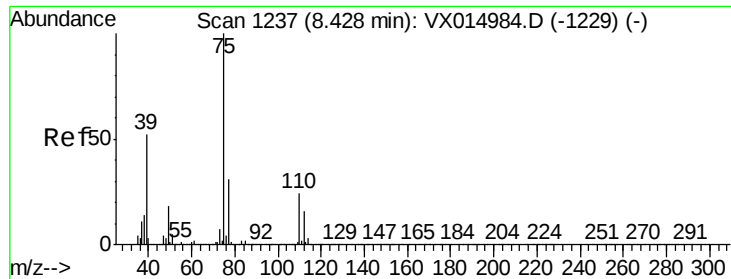
Tgt Ion: 75 Resp: 741631

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8



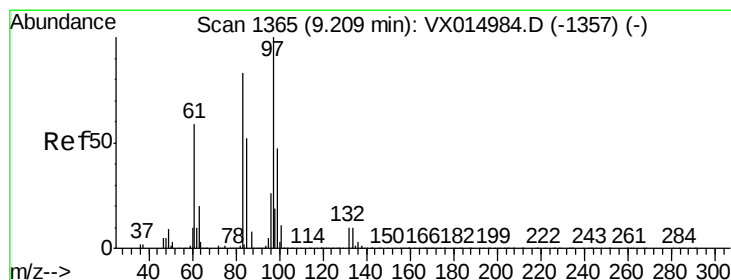
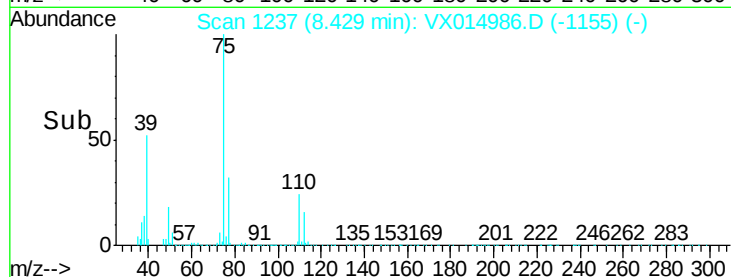
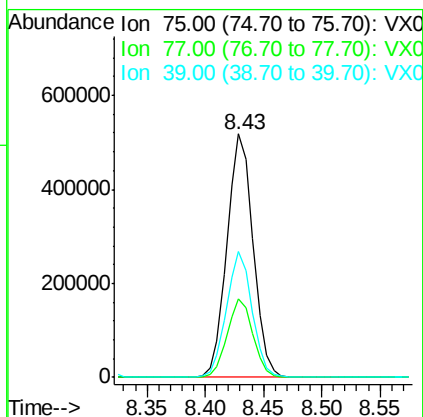
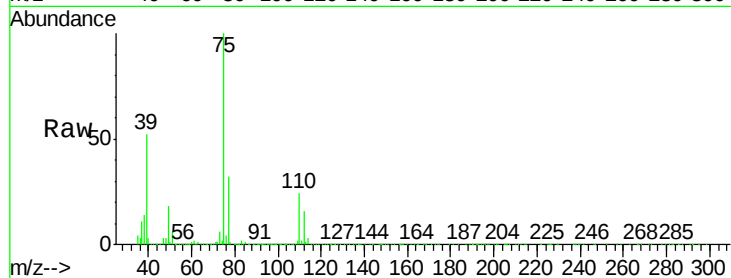


#49

cis-1,3-Dichloropropene
Concen: 105.29 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

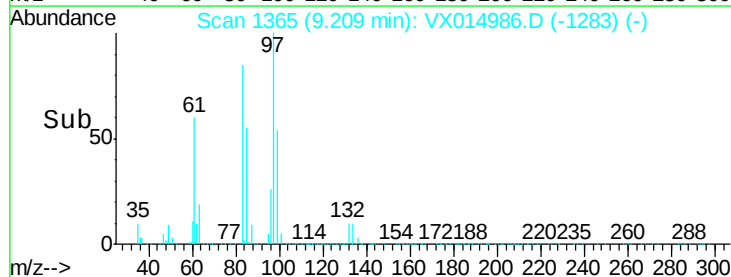
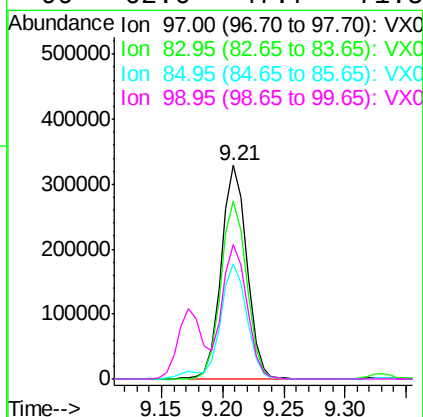
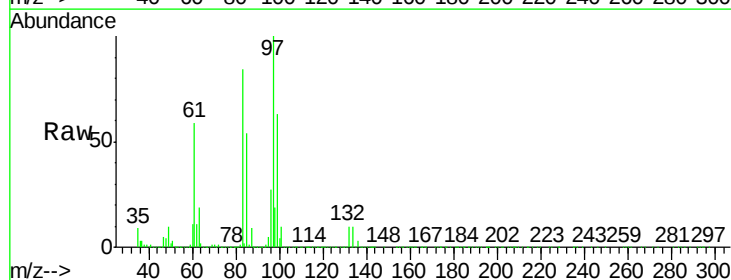
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	51.5	41.5	62.3

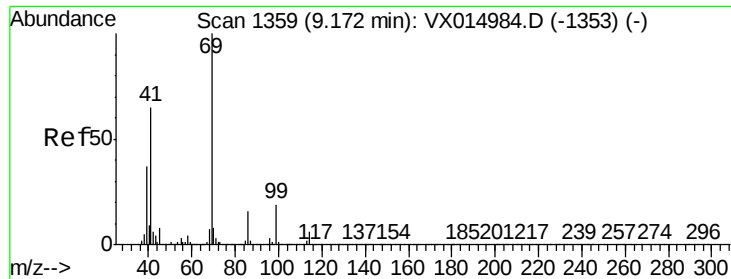


#50

1,1,2-Trichloroethane
Concen: 98.48 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.2	99.2
85	54.1	42.4	63.6
99	62.6	47.7	71.5





#51

Ethyl methacrylate

Concen: 103.20 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

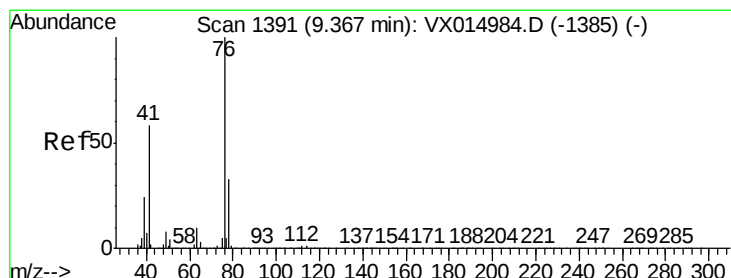
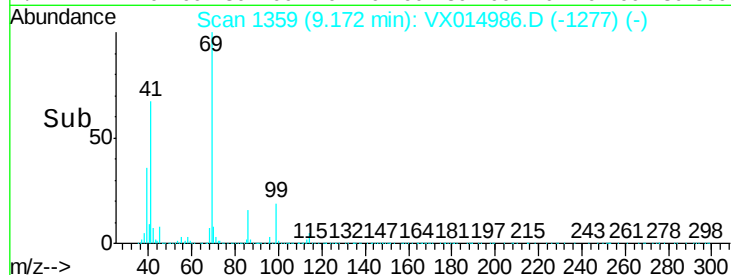
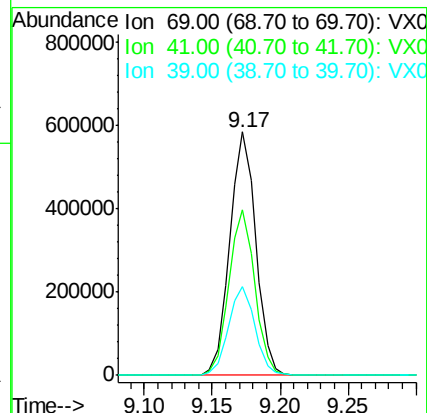
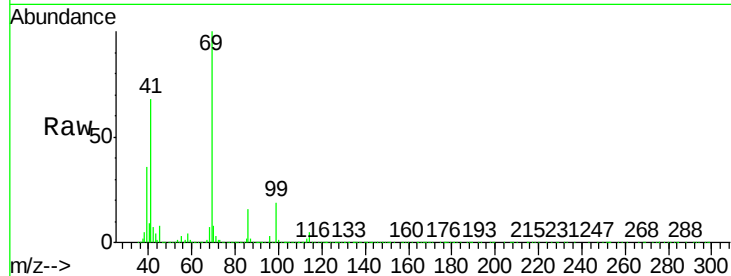
Tgt Ion: 69 Resp: 777291

Ion Ratio Lower Upper

69 100

41 67.7 32.7 98.1

39 36.3 18.2 54.6



#52

1,3-Dichloropropane

Concen: 98.06 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014986.D

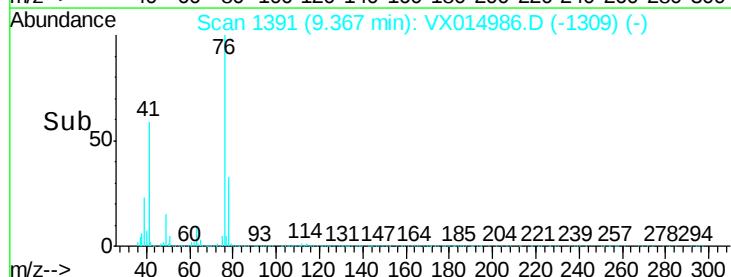
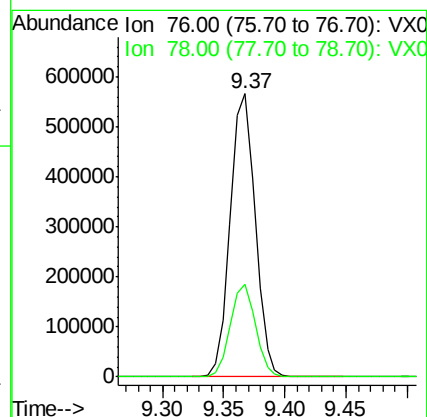
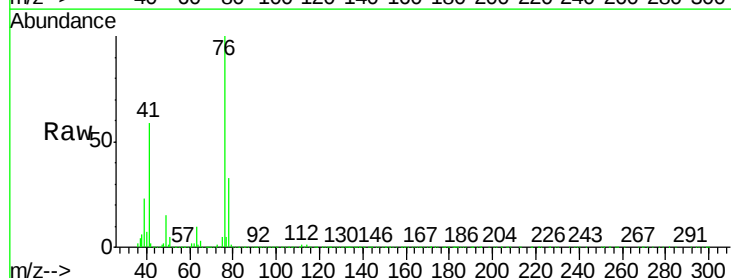
Acq: 21 Feb 2020 10:21

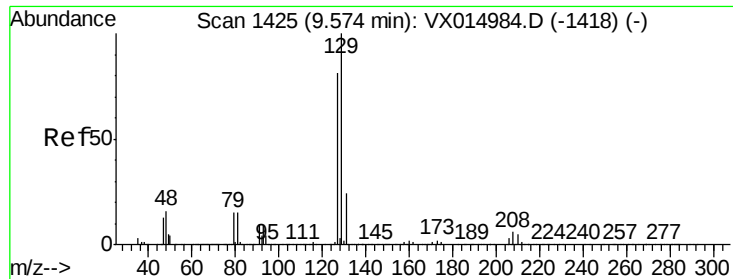
Tgt Ion: 76 Resp: 803618

Ion Ratio Lower Upper

76 100

78 32.7 0.0 65.0





#53

Dibromochloromethane

Concen: 107.69 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

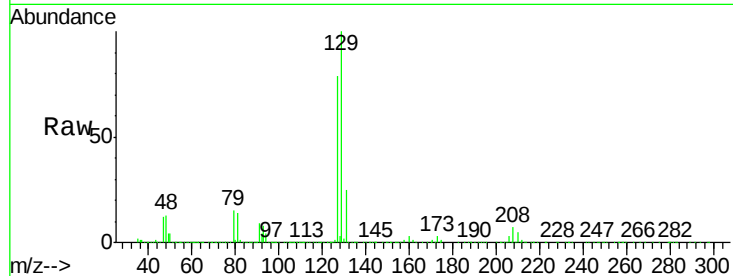
VSTDIC100

Tgt Ion:129 Resp: 539606

Ion Ratio Lower Upper

129 100

127 76.8 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

400000

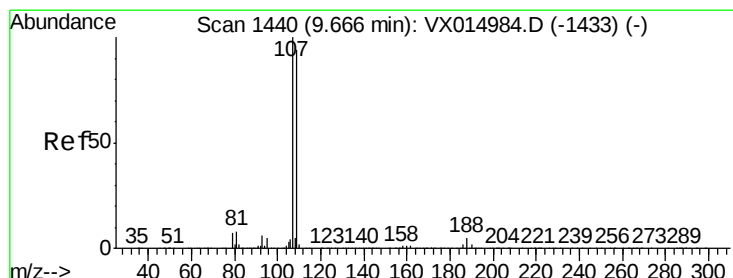
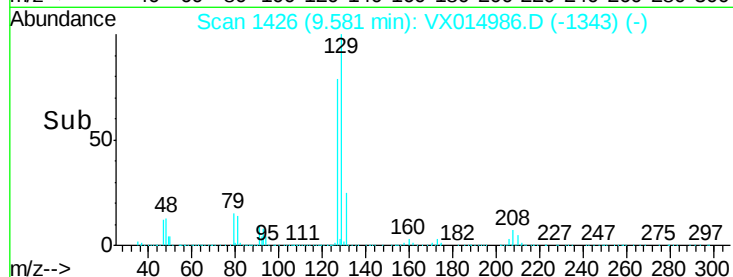
300000

200000

100000

0

Time-->



#54

1,2-Dibromoethane

Concen: 101.92 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014986.D

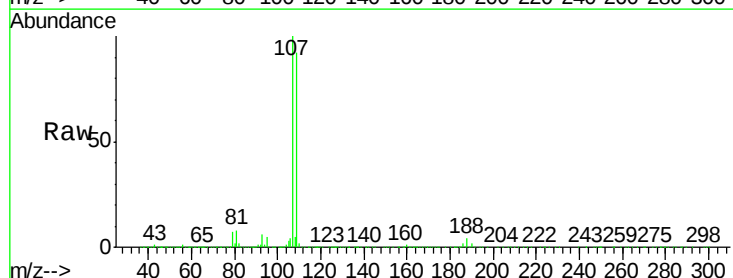
Acq: 21 Feb 2020 10:21

Tgt Ion:107 Resp: 510995

Ion Ratio Lower Upper

107 100

109 93.9 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

400000

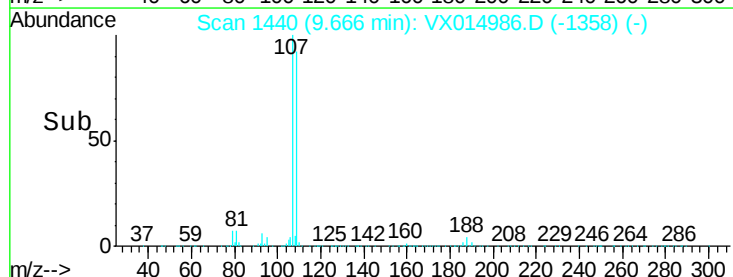
300000

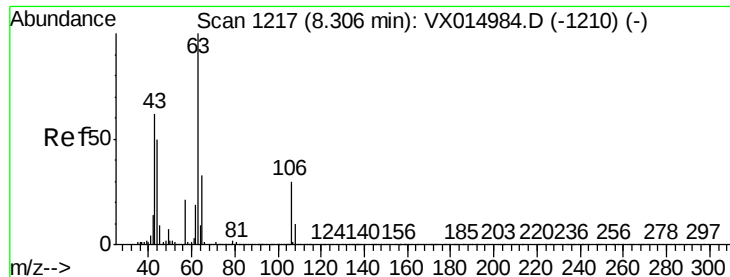
200000

100000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 556.63 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

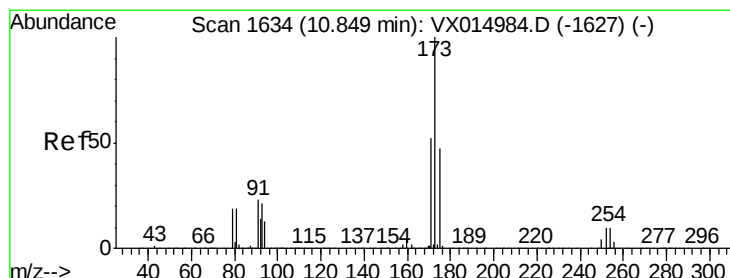
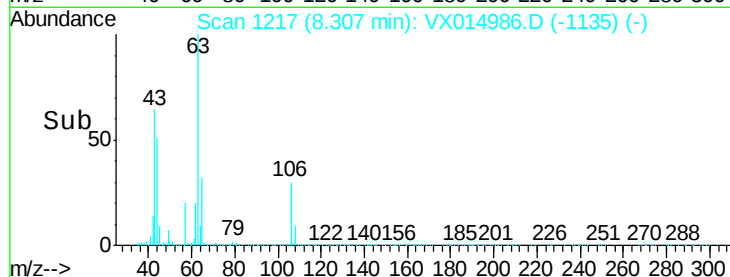
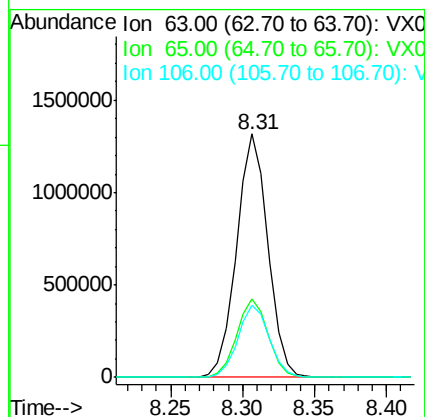
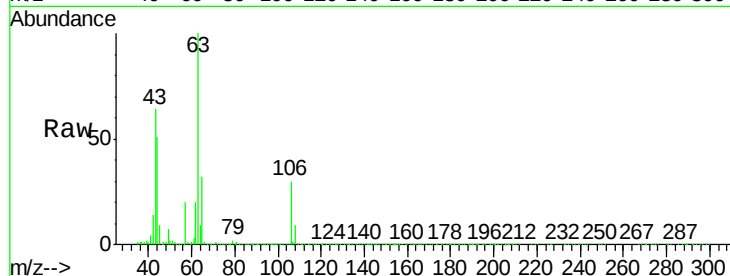
Tgt Ion: 63 Resp: 1984023

Ion Ratio Lower Upper

63 100

65 32.4 26.0 39.0

106 29.8 23.9 35.9



#56

Bromoform

Concen: 111.60 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

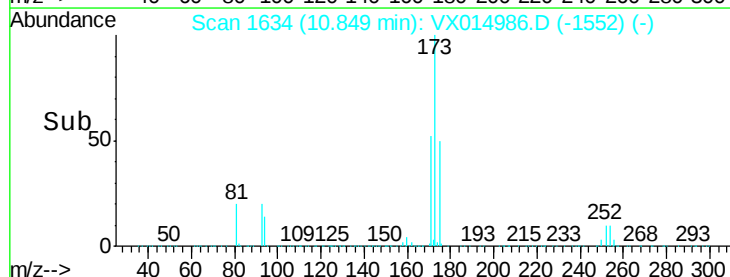
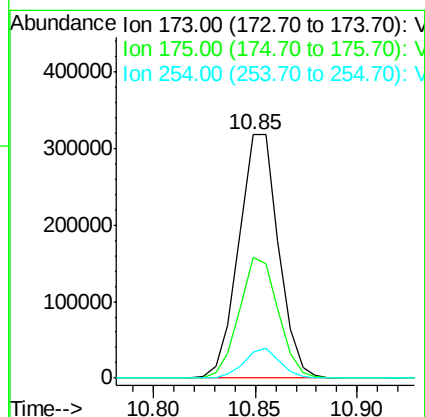
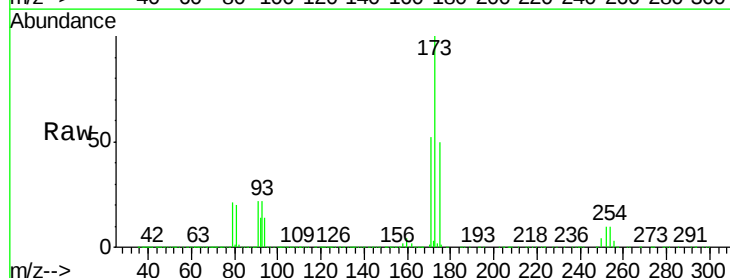
Tgt Ion: 173 Resp: 430833

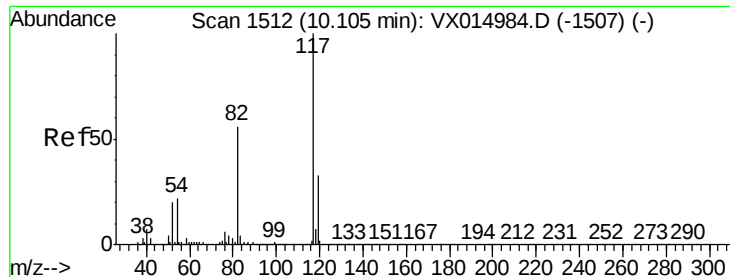
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 11.1 8.6 13.0

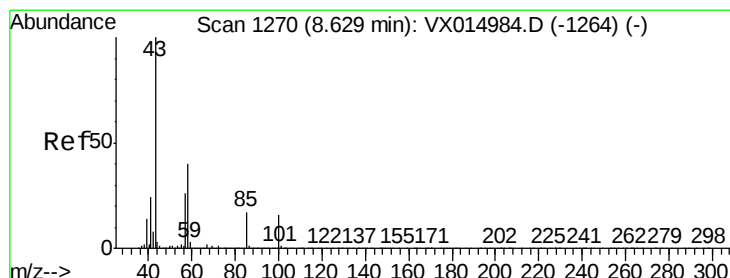
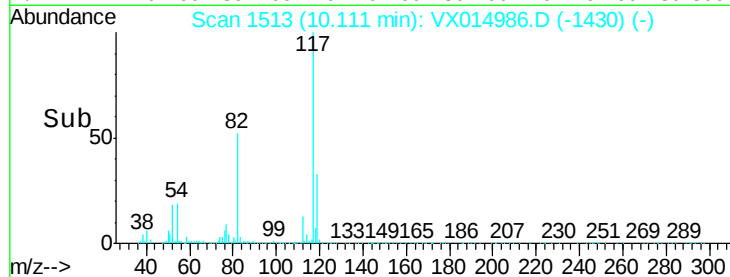
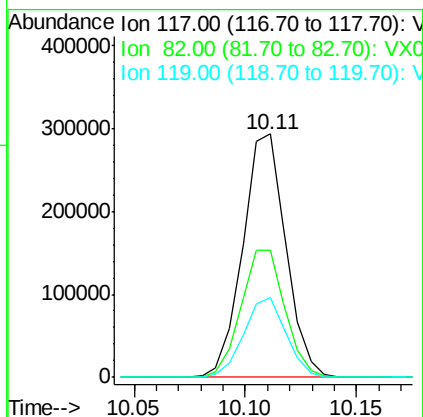
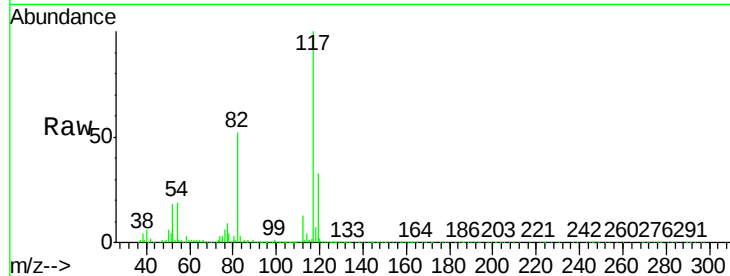




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

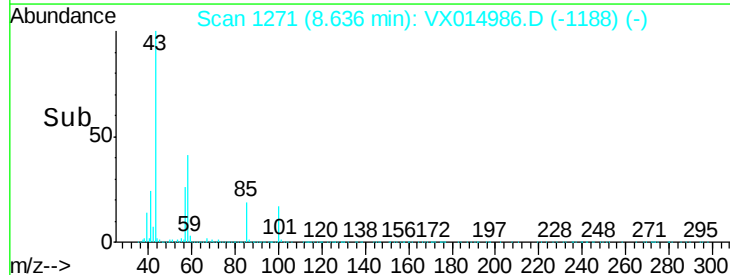
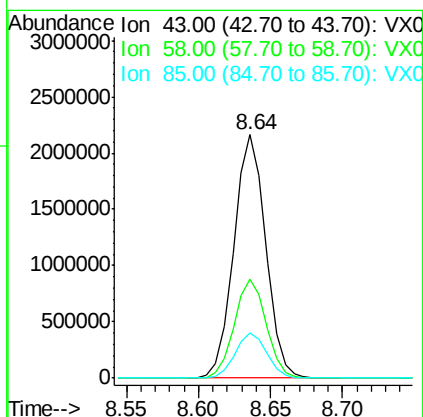
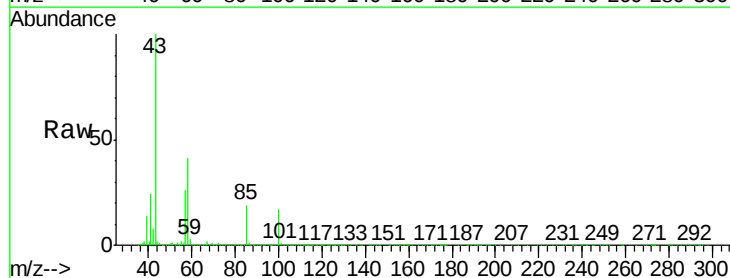
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

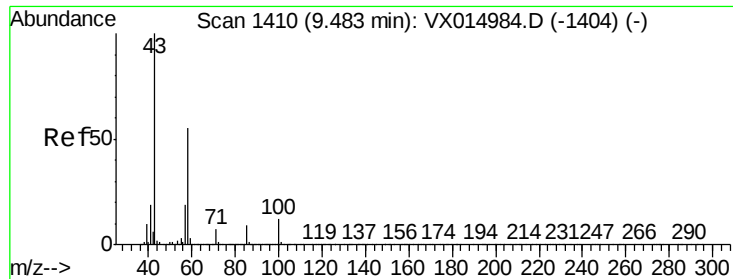
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.4	65.2
119	32.2	26.0	39.0



#58
4-Methyl-2-Pentanone
Concen: 463.92 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.7	47.5
85	18.4	14.4	21.6

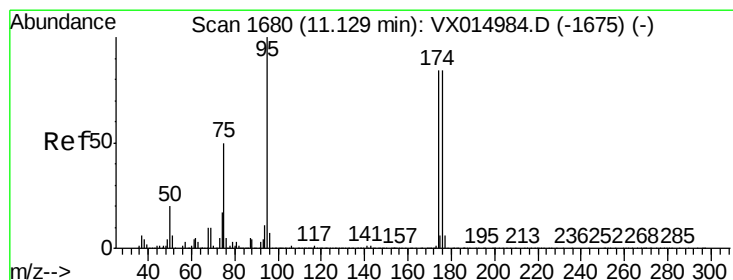
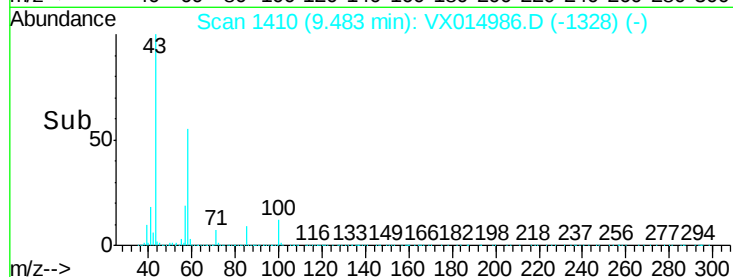
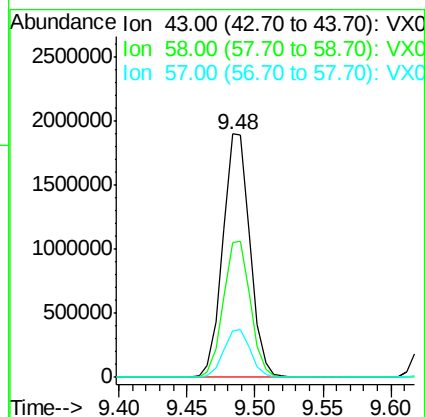
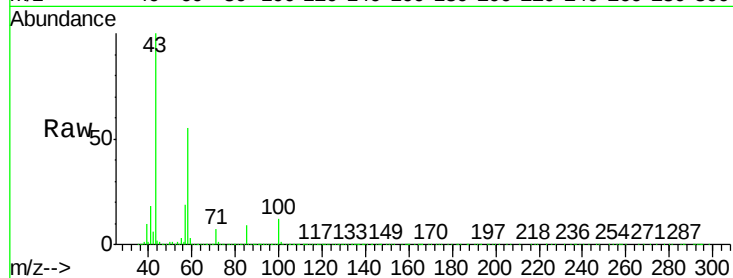




#59
2-Hexanone
Concen: 468.84 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

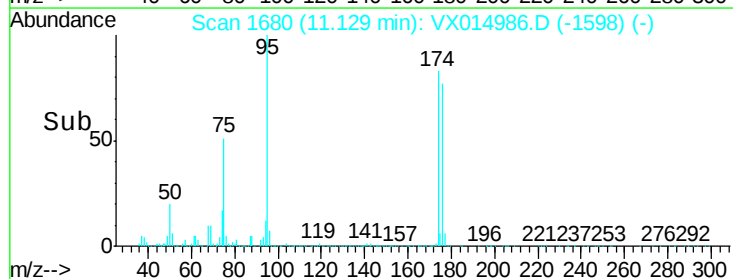
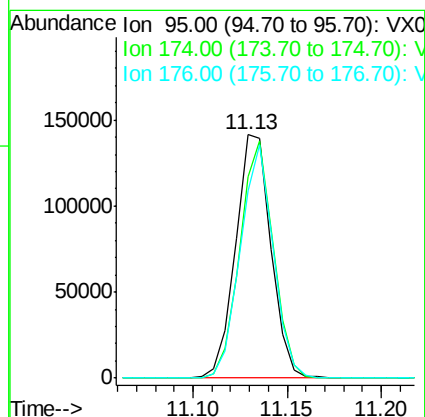
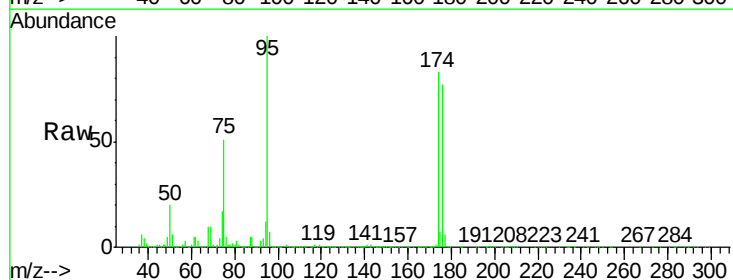
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

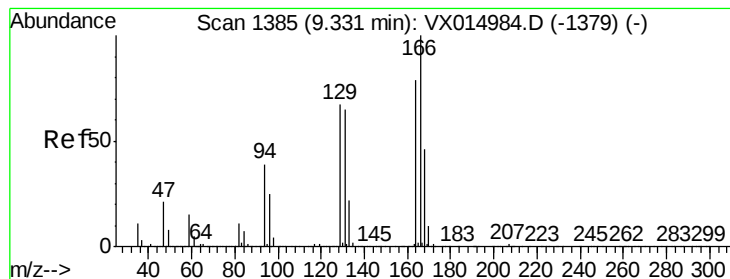
Tgt Ion: 43 Resp: 2614380
Ion Ratio Lower Upper
43 100
58 56.0 44.1 66.1
57 19.5 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 29.19 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion: 95 Resp: 183581
Ion Ratio Lower Upper
95 100
174 92.7 72.3 108.5
176 89.5 72.0 108.0





#61

Tetrachloroethene

Concen: 91.61 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 522555

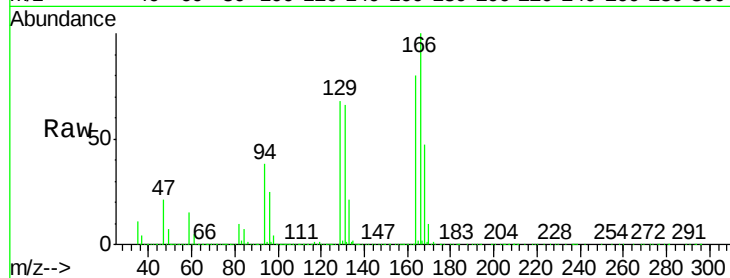
Ion Ratio Lower Upper

164 100

166 125.3 101.2 151.8

129 85.2 67.6 101.4

131 82.6 66.0 99.0

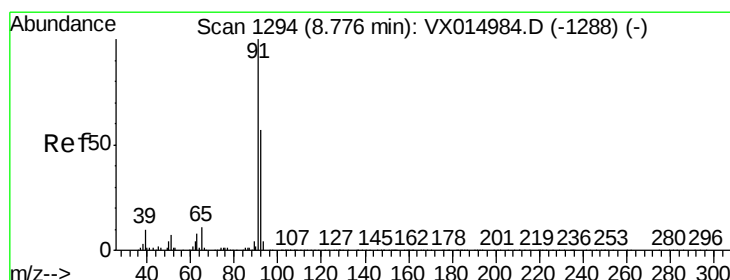
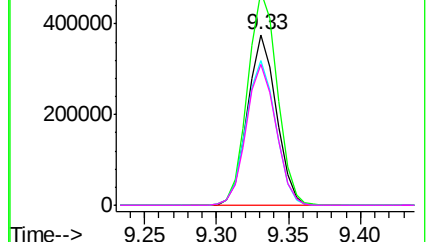
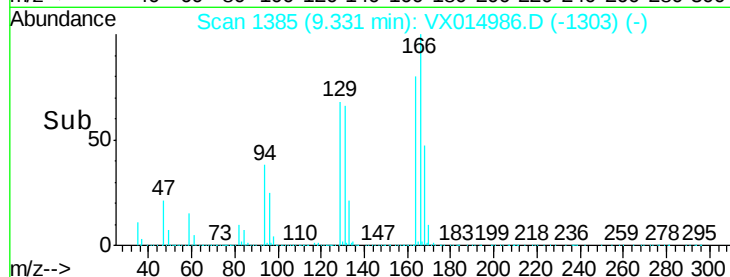


Abundance Ion 163.85 (163.55 to 164.55): V

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: 98.31 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX014986.D

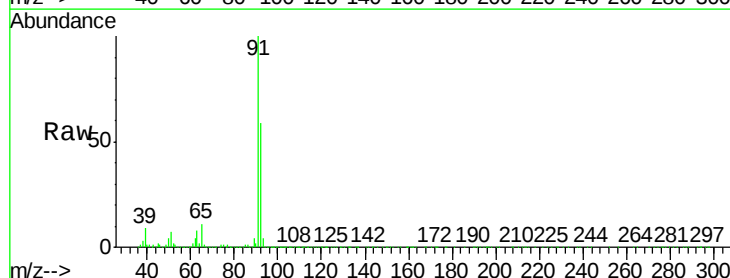
Acq: 21 Feb 2020 10:21

Tgt Ion: 91 Resp: 2031911

Ion Ratio Lower Upper

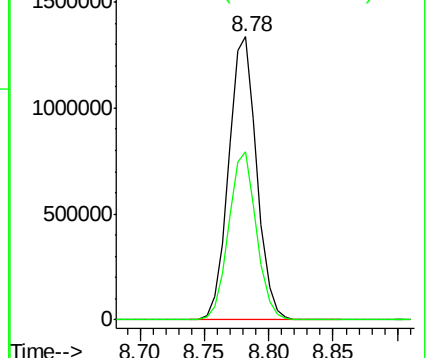
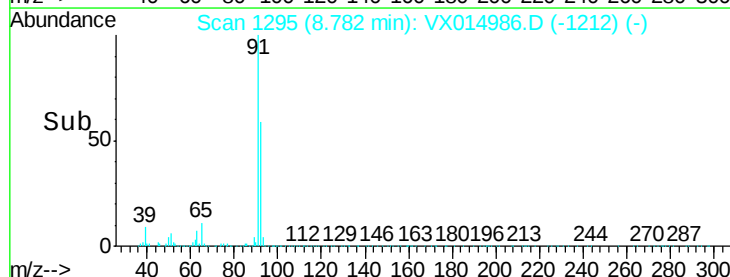
91 100

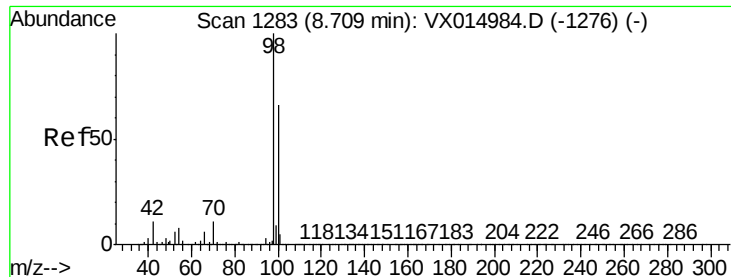
92 58.9 46.6 69.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.49 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

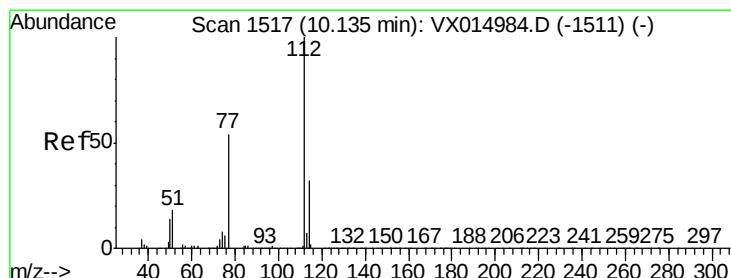
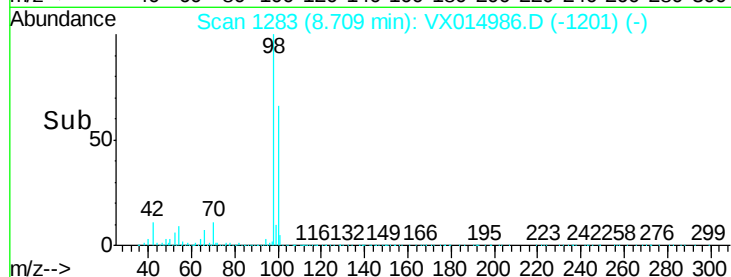
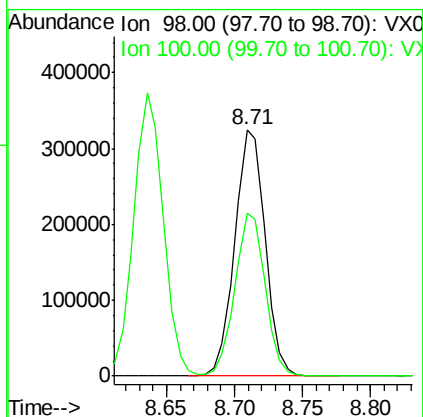
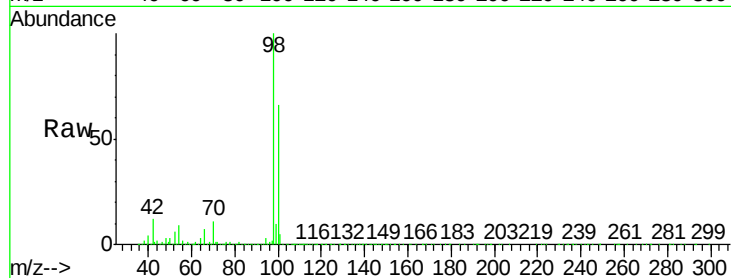
VSTDIC100

Tgt Ion: 98 Resp: 504670

Ion Ratio Lower Upper

98 100

100 65.6 52.8 79.2



#64

Chlorobenzene

Concen: 100.81 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014986.D

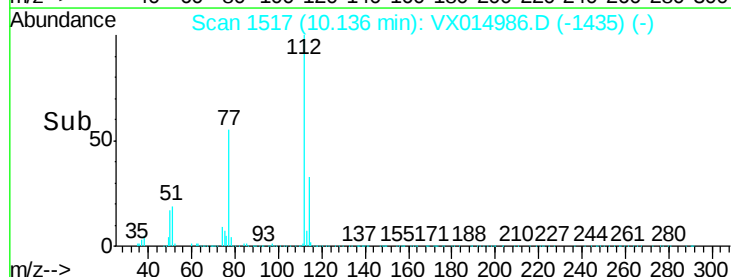
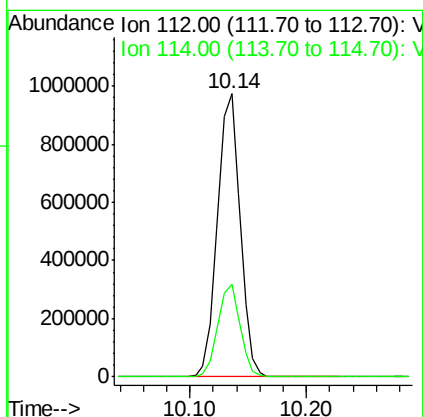
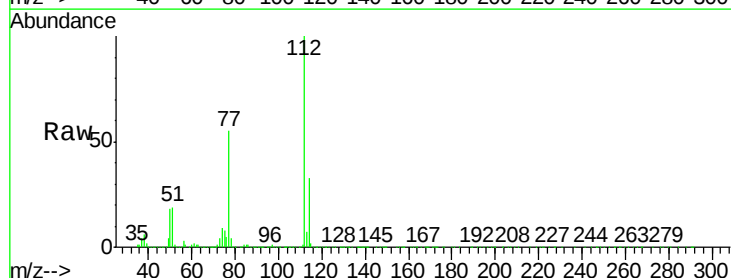
Acq: 21 Feb 2020 10:21

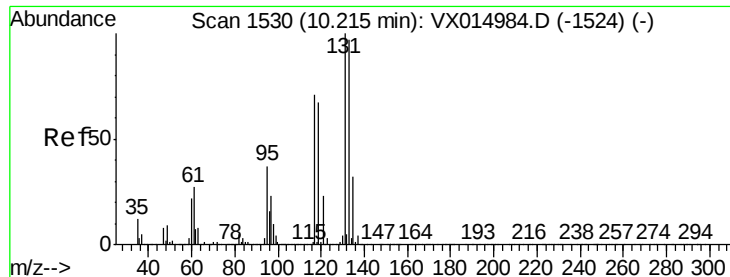
Tgt Ion: 112 Resp: 1304597

Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.6

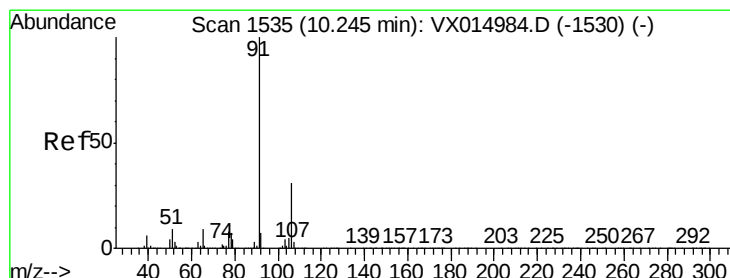
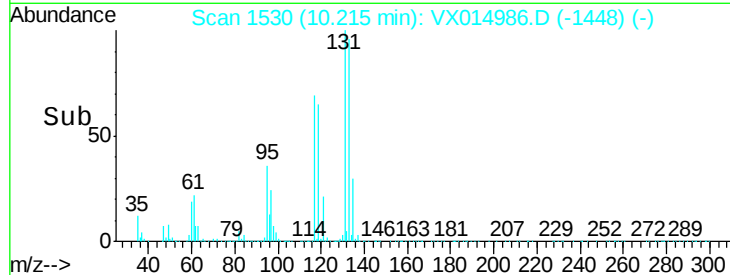
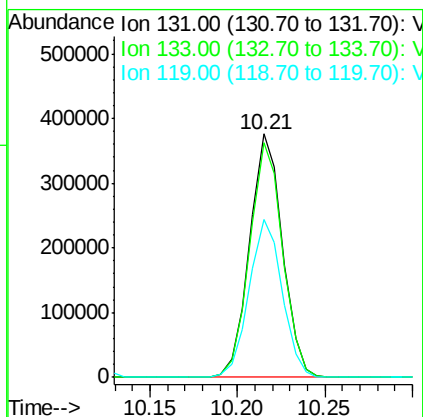
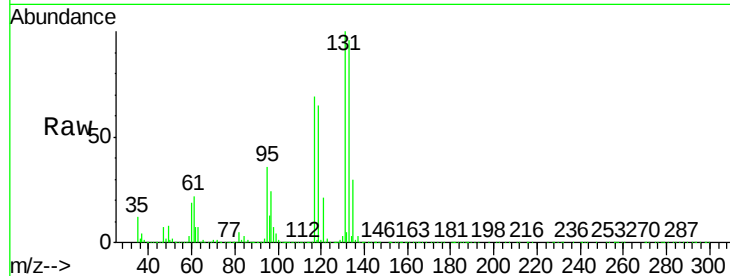




#65
 1,1,1,2-Tetrachloroethane
 Concen: 102.90 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

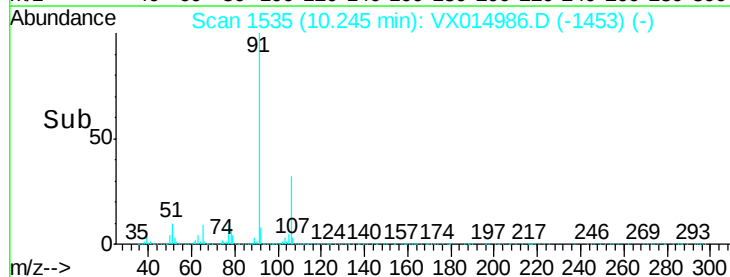
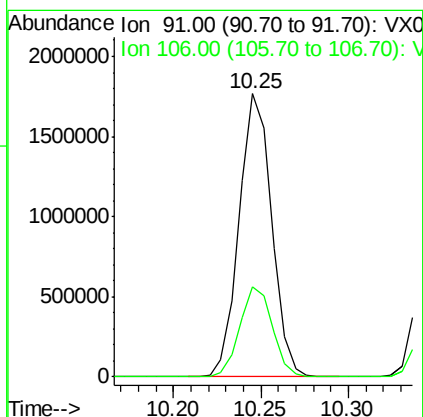
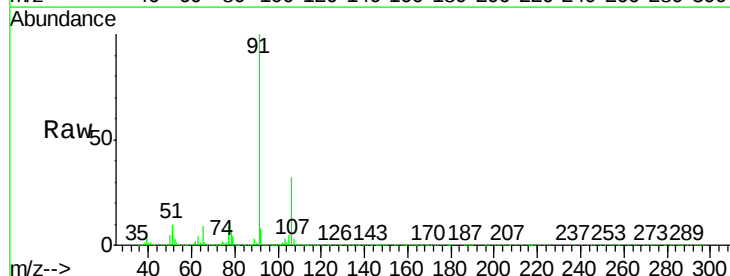
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

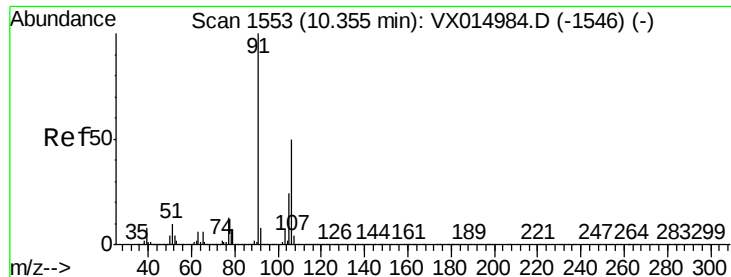
Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	191.4
119	65.3	0.0	132.0



#66
 Ethyl Benzene
 Concen: 101.52 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.7	37.1





#67

m/p-Xylenes

Concen: 204.97 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

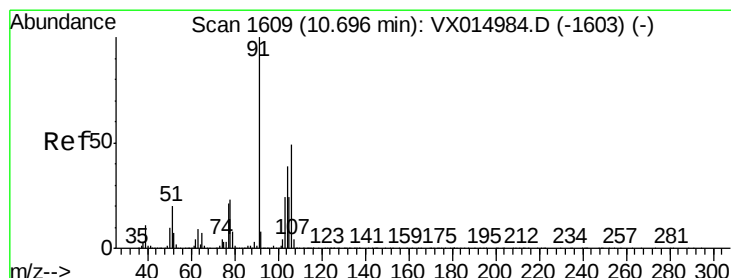
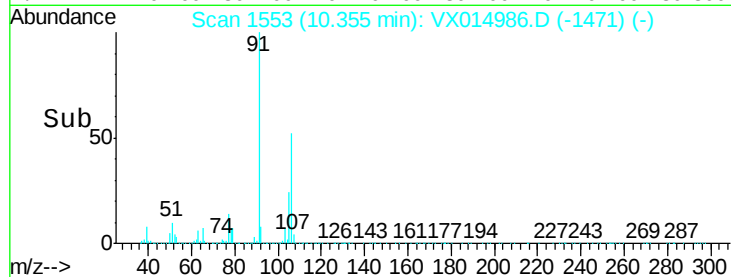
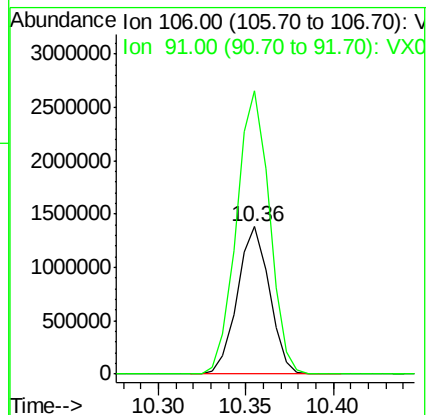
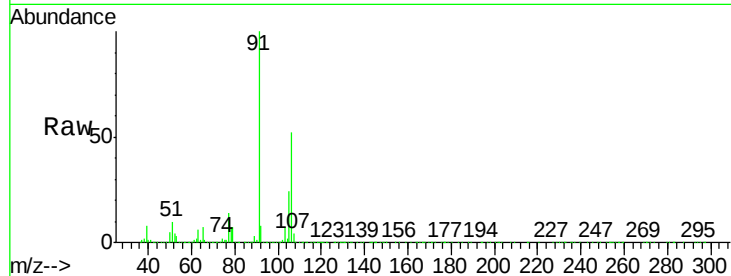
VSTDIC100

Tgt Ion:106 Resp: 1772612

Ion Ratio Lower Upper

106 100

91 196.2 160.4 240.6



#68

o-Xylene

Concen: 101.53 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014986.D

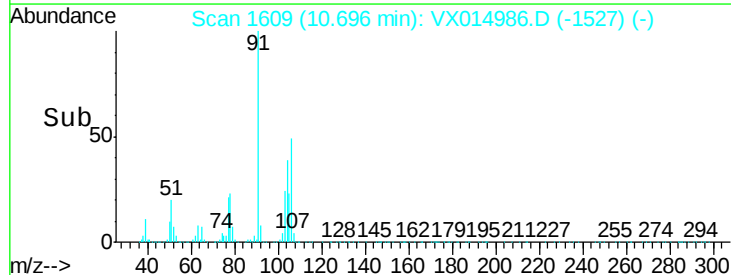
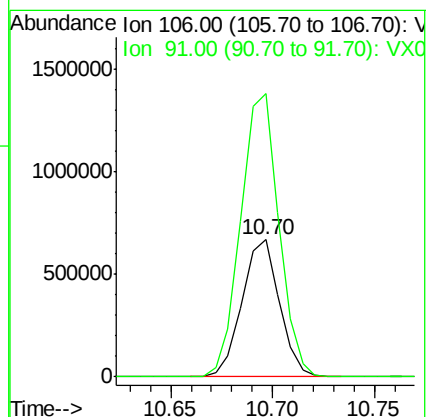
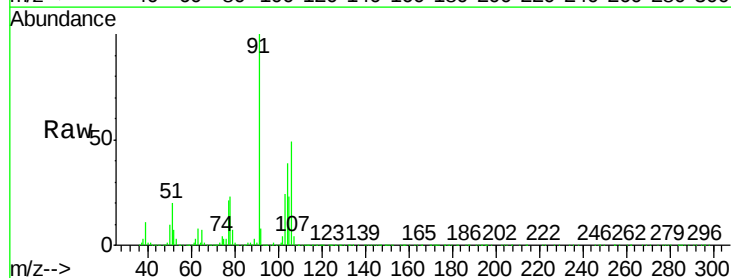
Acq: 21 Feb 2020 10:21

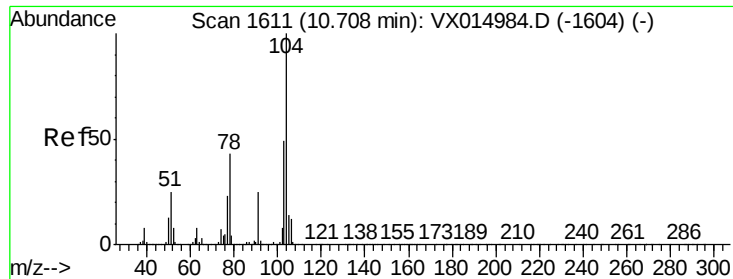
Tgt Ion:106 Resp: 854394

Ion Ratio Lower Upper

106 100

91 209.6 105.3 315.9

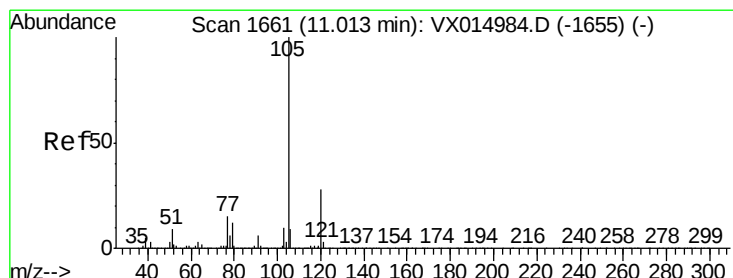
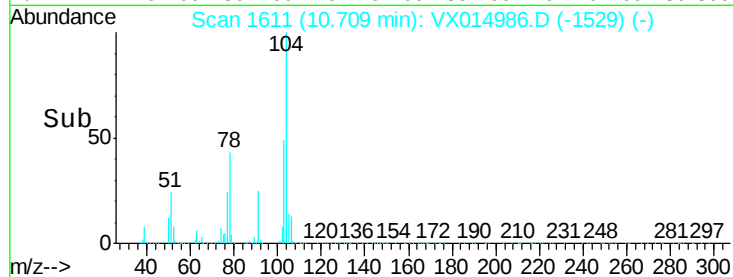
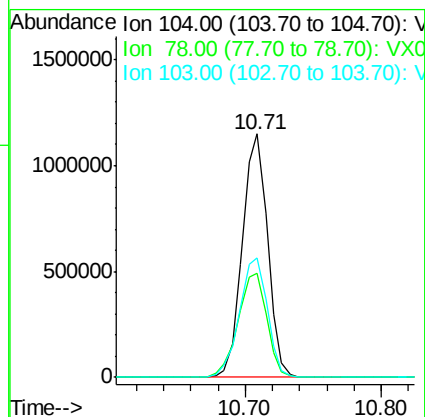
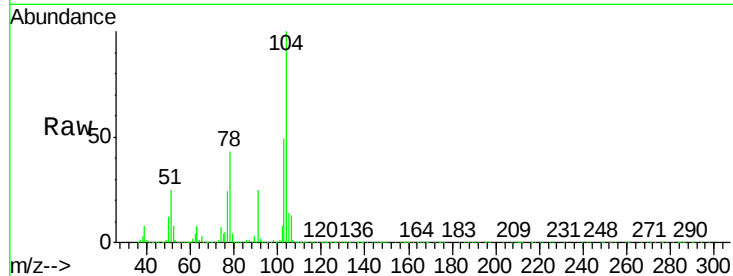




#69
Styrene
Concen: 104.31 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

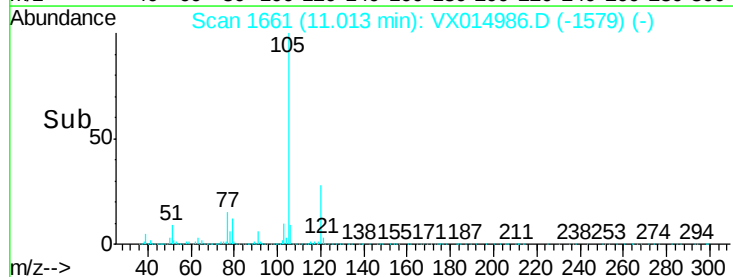
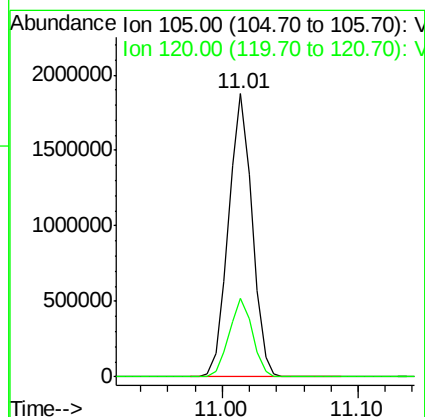
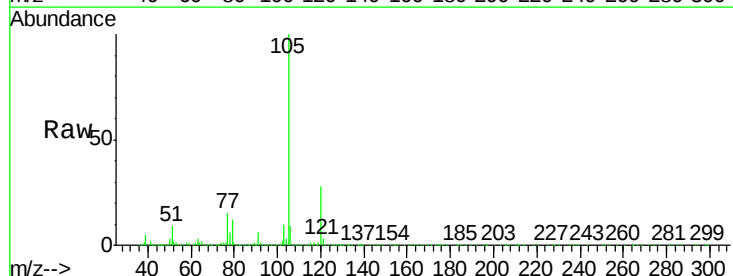
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

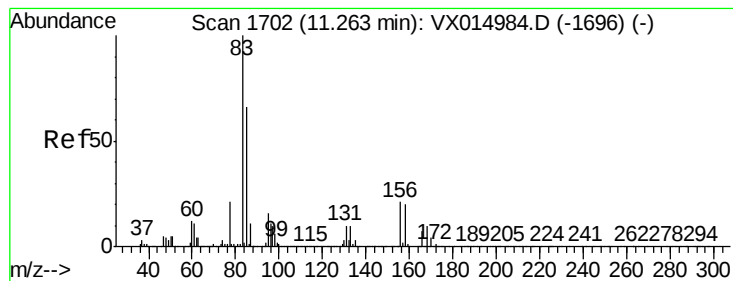
Tgt Ion:104 Resp: 1488686
Ion Ratio Lower Upper
104 100
78 48.5 39.4 59.2
103 54.3 42.9 64.3



#70
Isopropylbenzene
Concen: 101.70 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion:105 Resp: 2253206
Ion Ratio Lower Upper
105 100
120 27.5 18.8 35.0





#71

1,1,2,2-Tetrachloroethane

Concen: 98.20 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

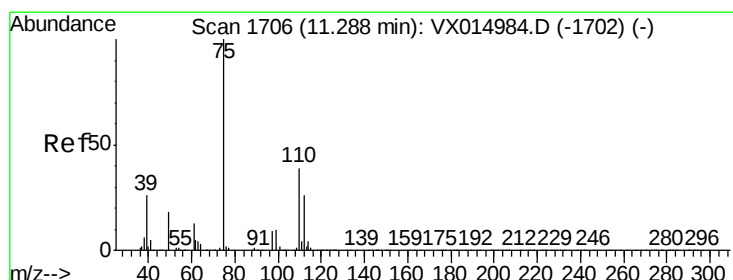
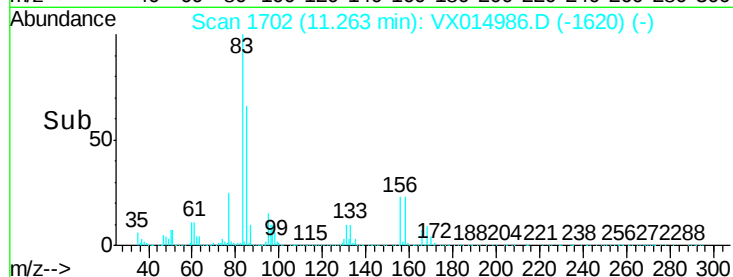
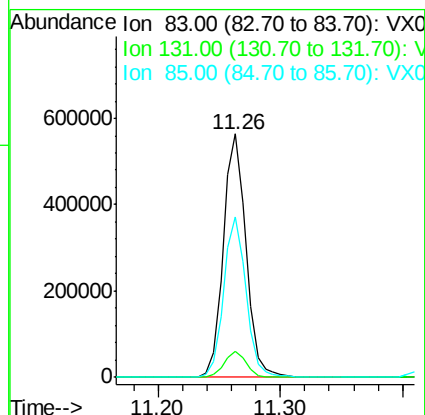
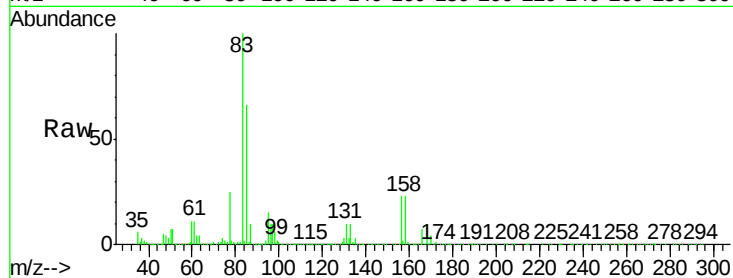
Tgt Ion: 83 Resp: 724575

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

85 65.2 32.2 96.6



#72

1,2,3-Trichloropropane

Concen: 133.87 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX014986.D

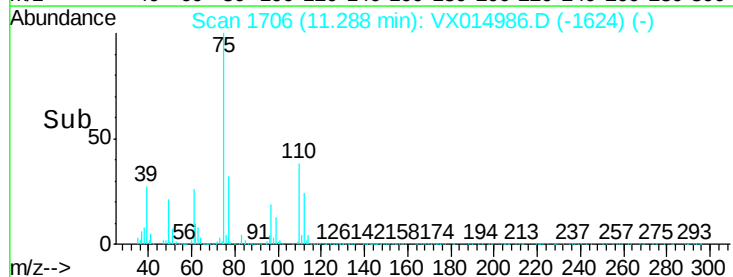
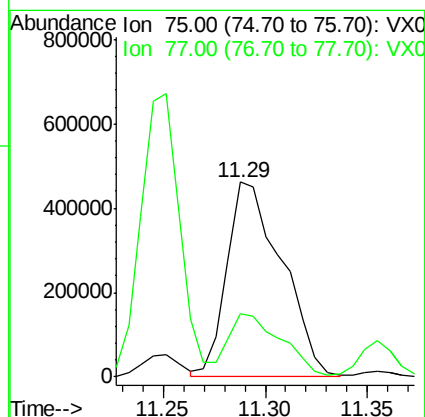
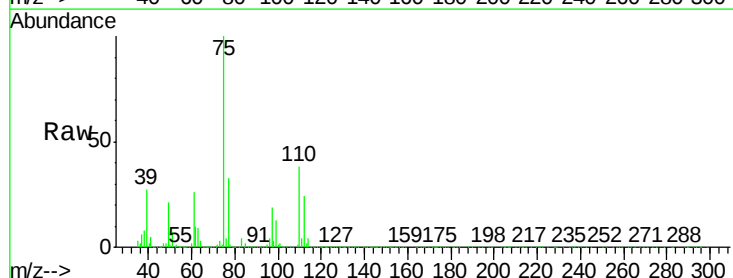
Acq: 21 Feb 2020 10:21

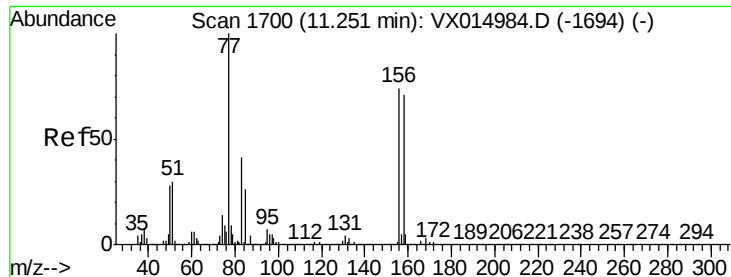
Tgt Ion: 75 Resp: 864421

Ion Ratio Lower Upper

75 100

77 30.5 0.0 75.4





#73

Bromobenzene

Concen: 103.27 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

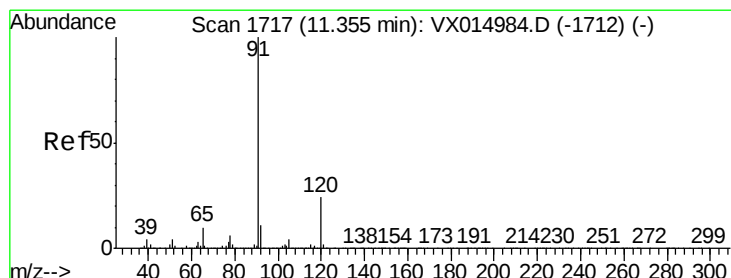
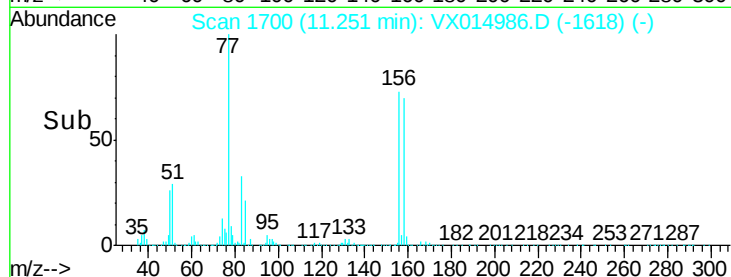
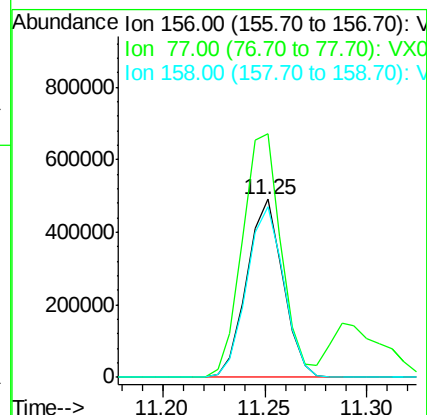
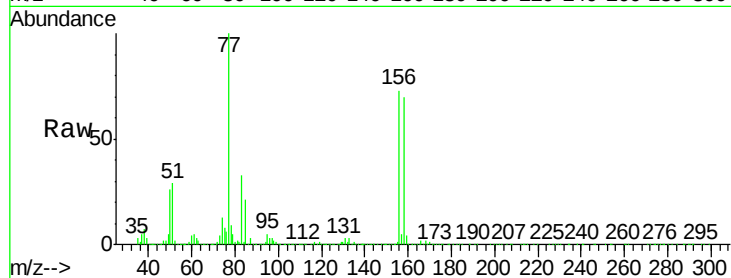
Tgt Ion:156 Resp: 608439

Ion Ratio Lower Upper

156 100

77 147.1 0.0 286.8

158 97.9 0.0 191.8



#74

n-propylbenzene

Concen: 102.90 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014986.D

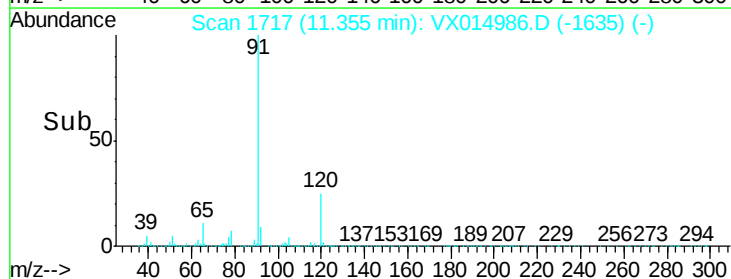
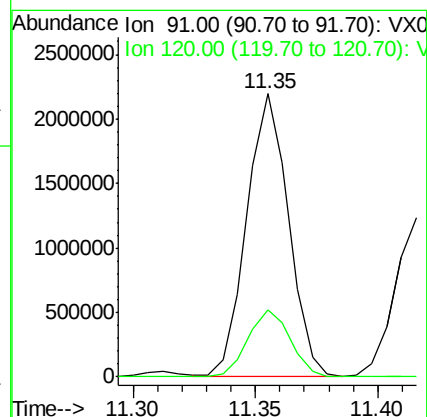
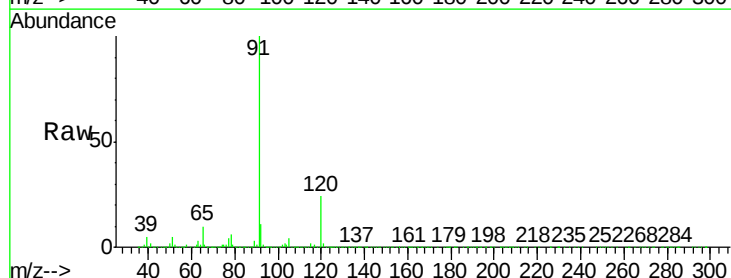
Acq: 21 Feb 2020 10:21

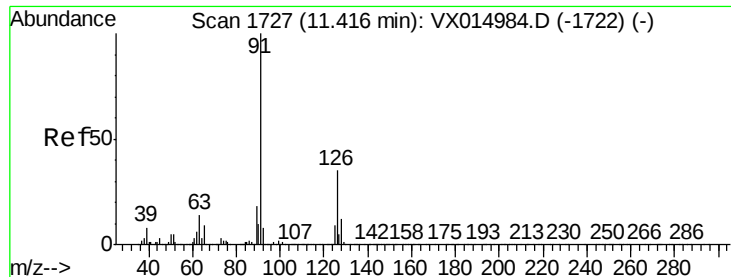
Tgt Ion: 91 Resp: 2607634

Ion Ratio Lower Upper

91 100

120 23.9 0.0 47.0





#75

2-Chlorotoluene

Concen: 100.48 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

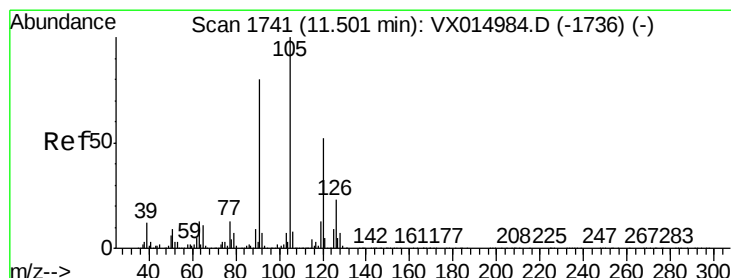
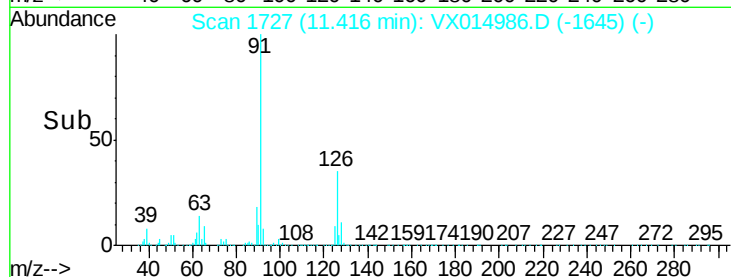
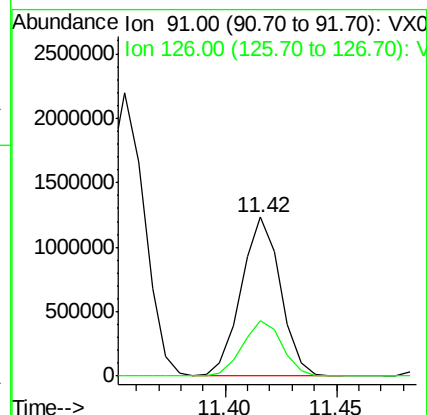
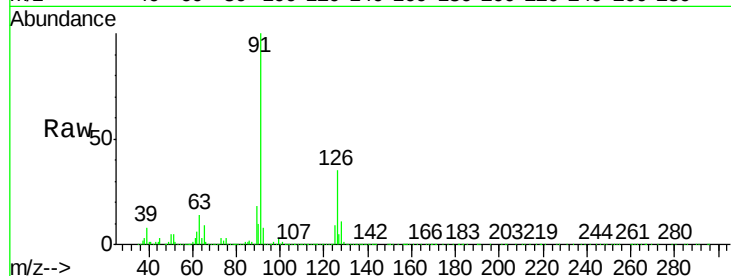
VSTDIC100

Tgt Ion: 91 Resp: 1523428

Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.0



#76

1,3,5-Trimethylbenzene

Concen: 103.84 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014986.D

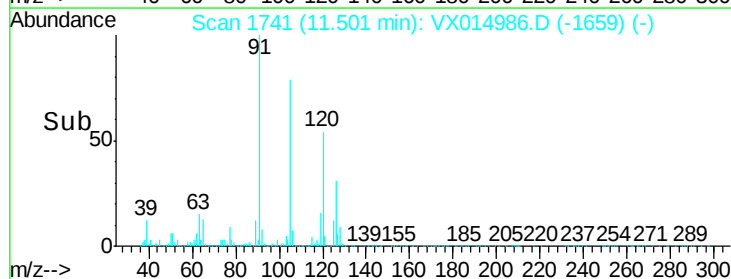
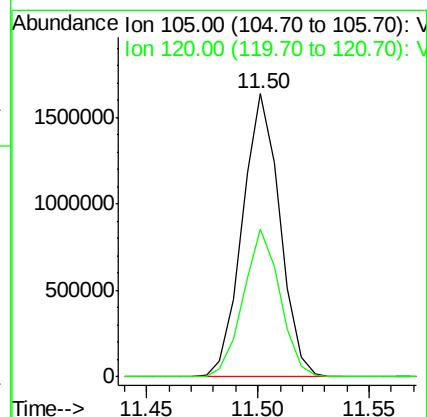
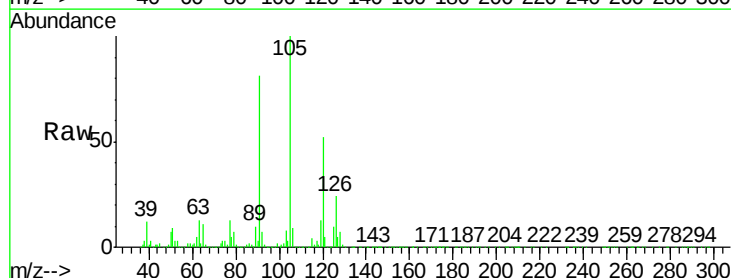
Acq: 21 Feb 2020 10:21

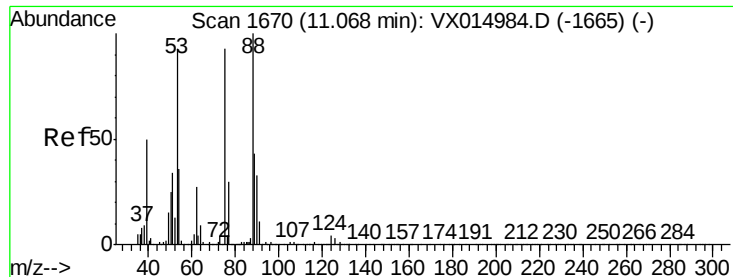
Tgt Ion: 105 Resp: 1918383

Ion Ratio Lower Upper

105 100

120 51.1 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 109.62 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

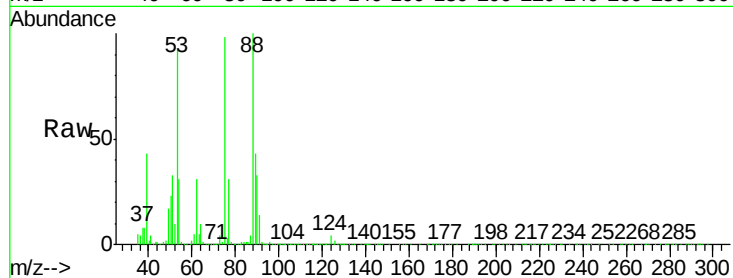
Tgt Ion: 75 Resp: 267569

Ion Ratio Lower Upper

75 100

53 93.4 50.0 149.8

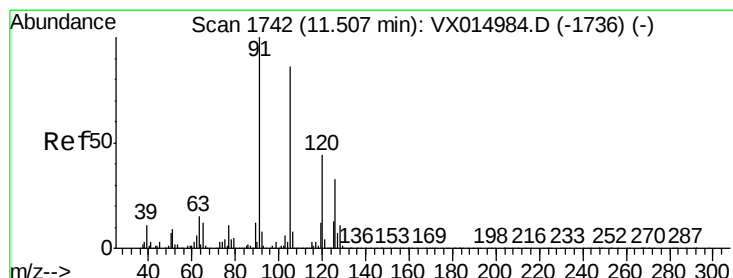
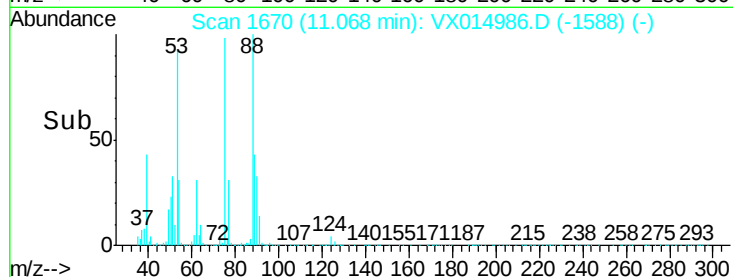
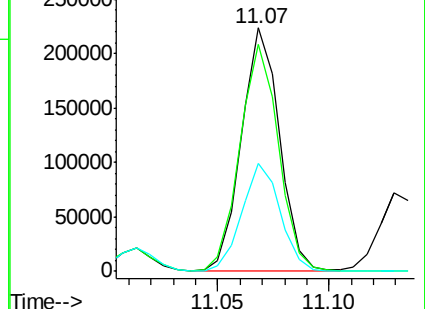
89 44.1 23.5 70.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 103.80 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014986.D

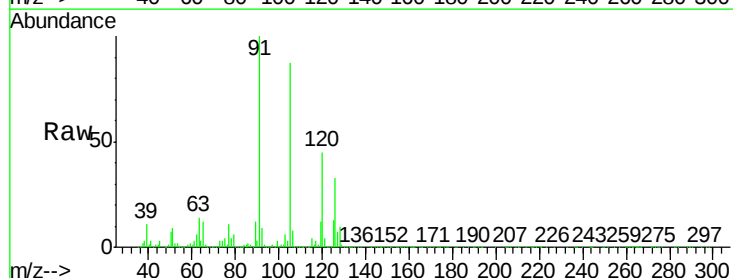
Acq: 21 Feb 2020 10:21

Tgt Ion: 91 Resp: 1788990

Ion Ratio Lower Upper

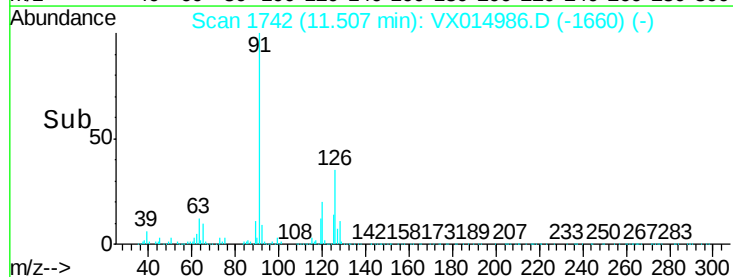
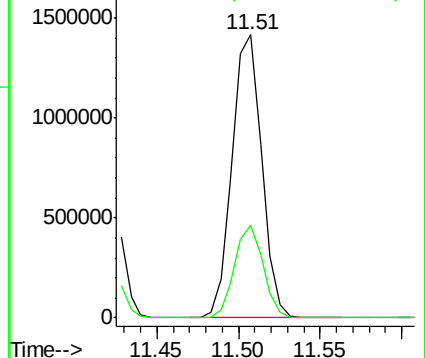
91 100

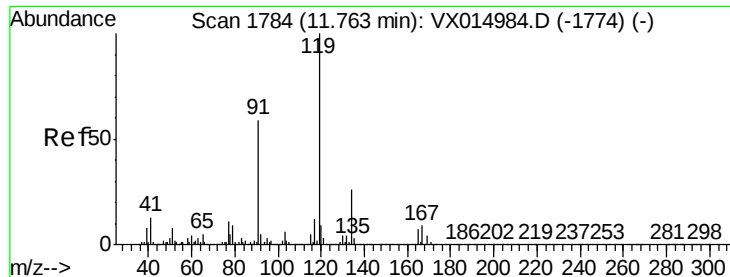
126 31.4 0.0 62.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

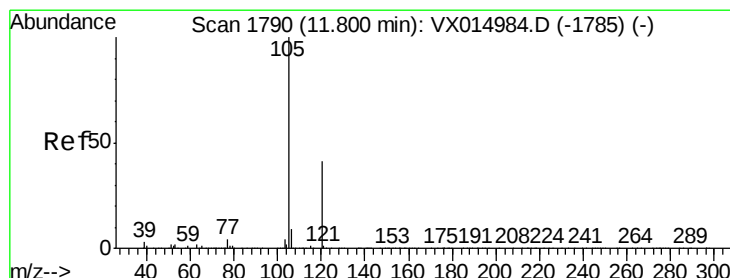
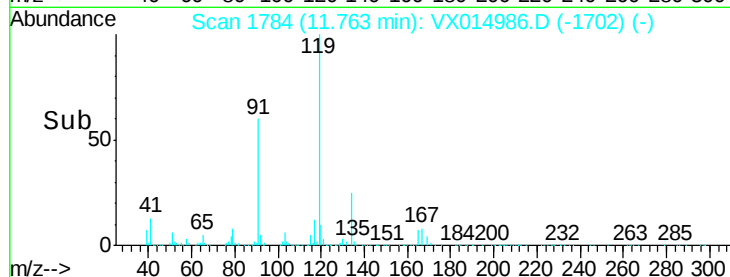
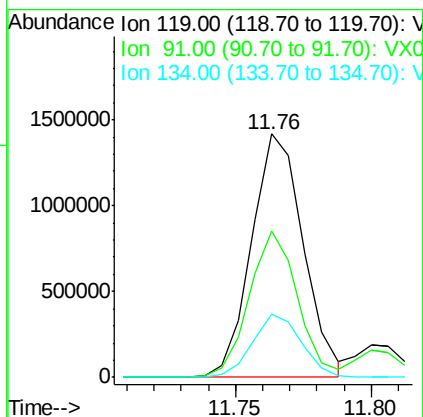
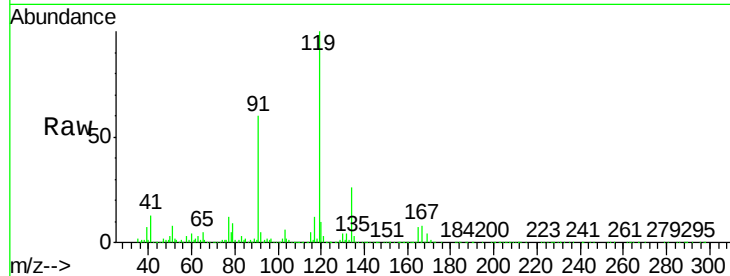




#79
tert-butylbenzene
Concen: 107.41 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

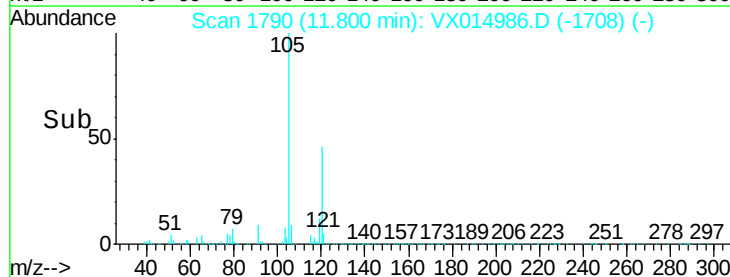
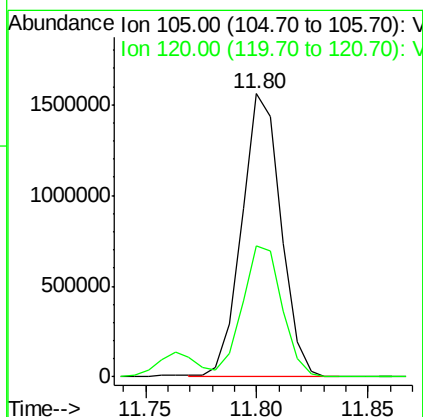
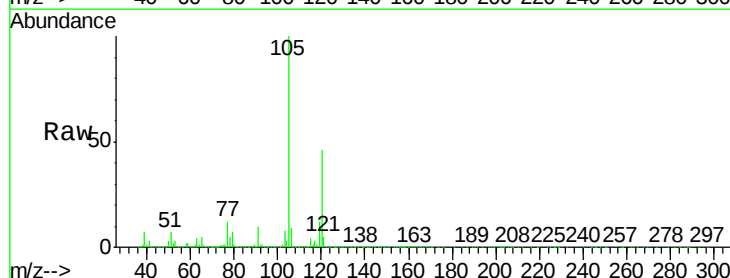
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

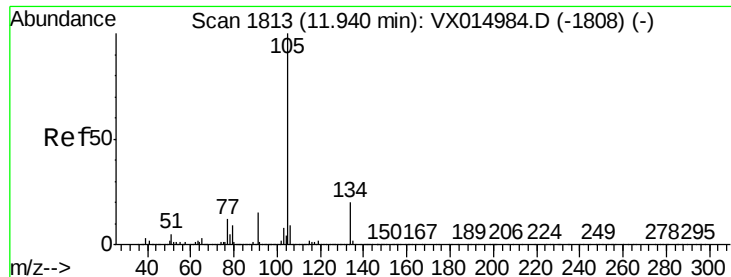
Tgt Ion:119 Resp: 1867181
Ion Ratio Lower Upper
119 100
91 56.0 0.0 114.4
134 24.6 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 104.00 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion:105 Resp: 1911493
Ion Ratio Lower Upper
105 100
120 46.9 0.0 93.4

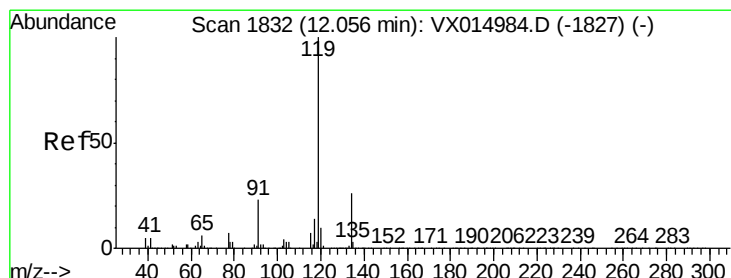
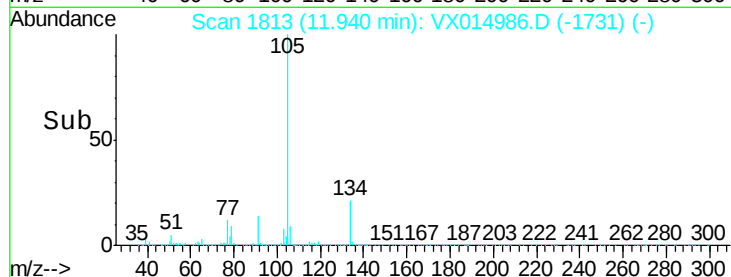
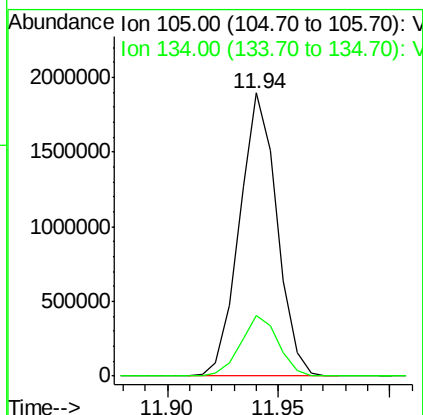
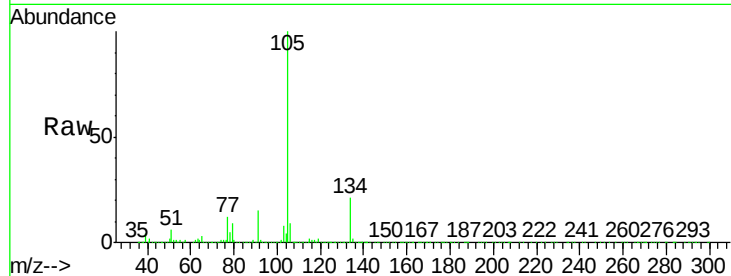




#81
 sec-Butylbenzene
 Concen: 103.36 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

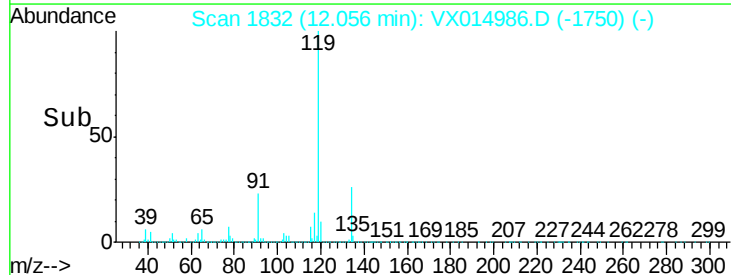
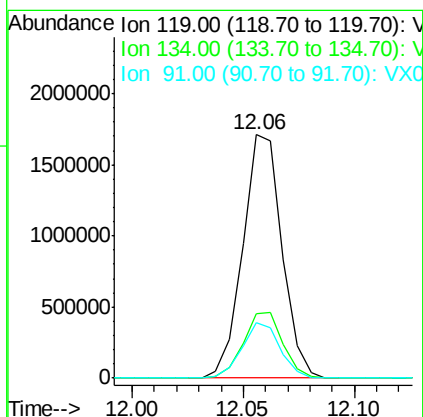
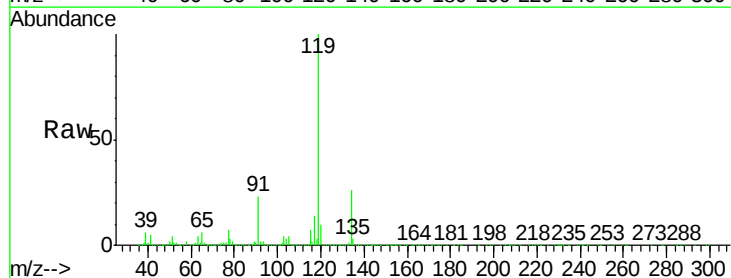
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

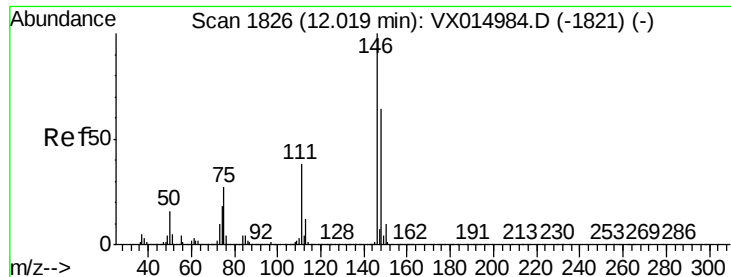
Tgt Ion:105 Resp: 2216671
 Ion Ratio Lower Upper
 105 100
 134 21.4 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 106.85 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion:119 Resp: 2094514
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 53.2
 91 22.3 0.0 44.6

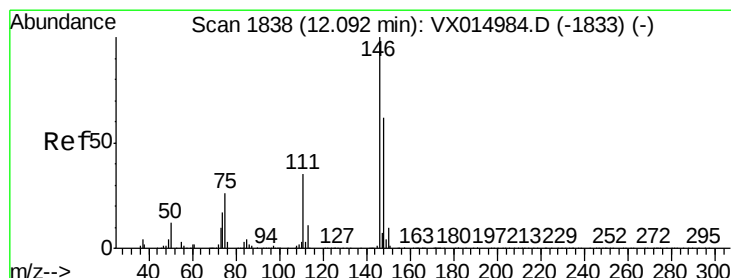
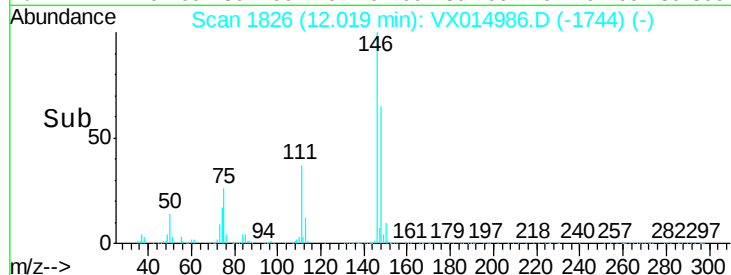
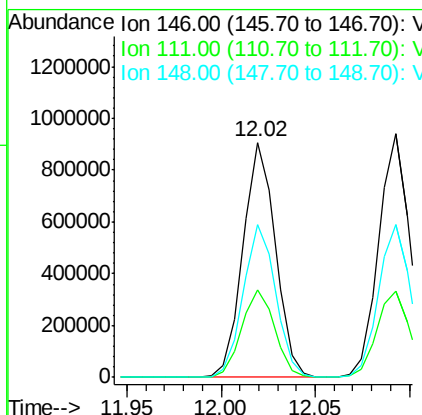
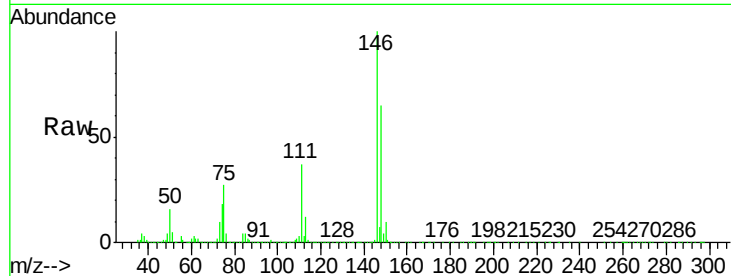




#83
 1,3-Dichlorobenzene
 Concen: 105.61 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

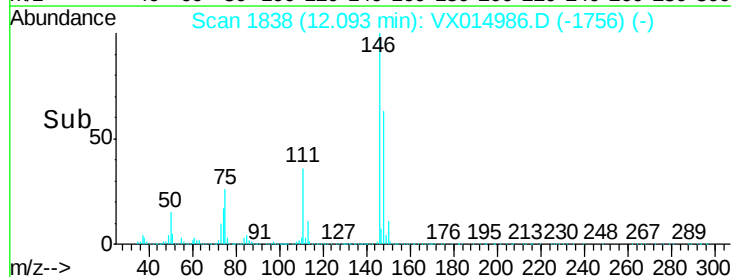
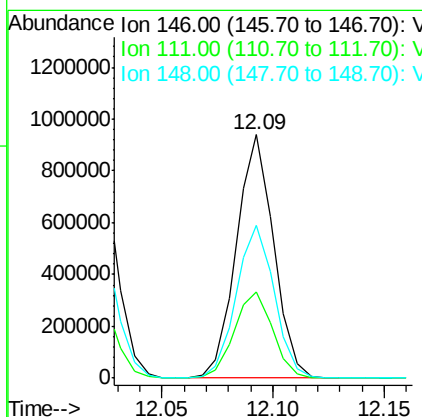
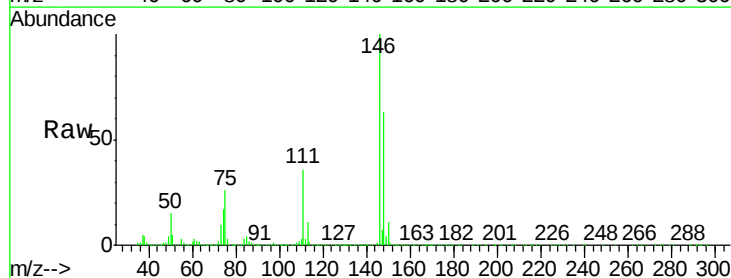
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

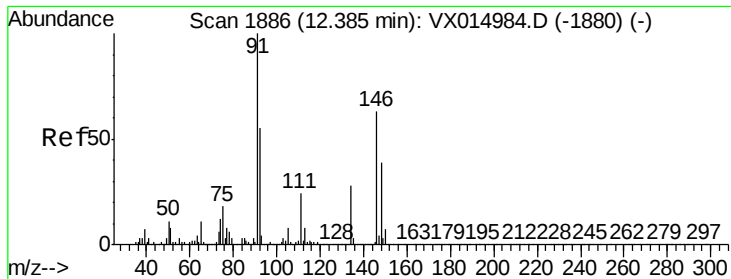
Tgt Ion:146 Resp: 1084321
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.3 57.9
 148 65.0 32.3 96.9



#84
 1,4-Dichlorobenzene
 Concen: 106.76 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion:146 Resp: 1096384
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.8 53.5
 148 64.0 31.4 94.2





#85

n-Butylbenzene

Concen: 110.21 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014986.D

Acq: 21 Feb 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

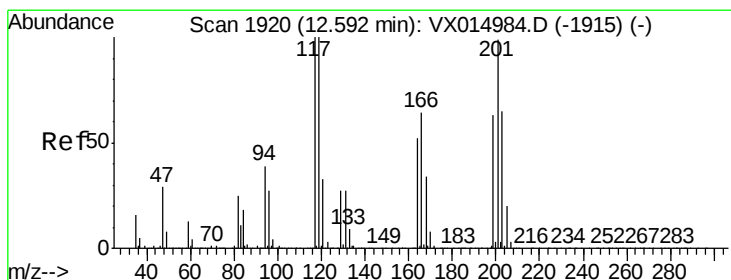
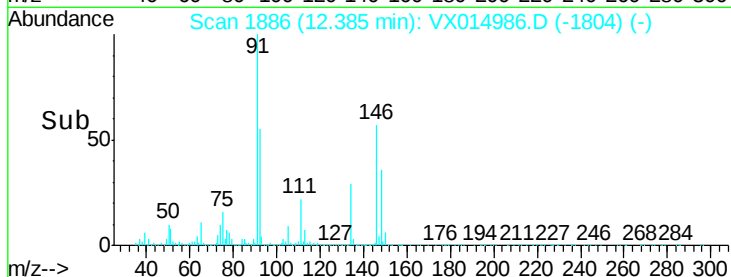
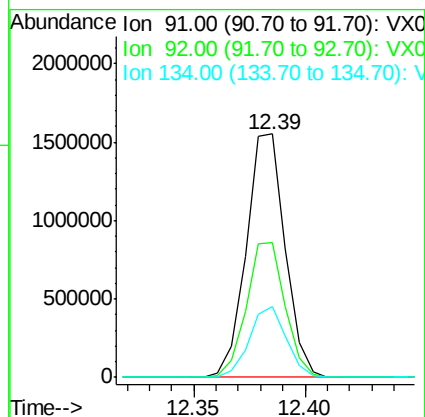
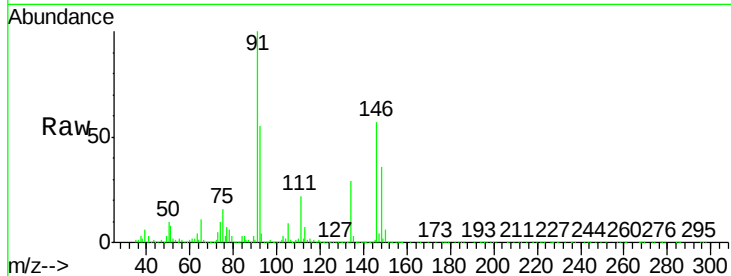
Tgt Ion: 91 Resp: 1890932

Ion Ratio Lower Upper

91 100

92 54.8 0.0 109.8

134 27.8 0.0 54.8



#86

Hexachloroethane

Concen: 110.06 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014986.D

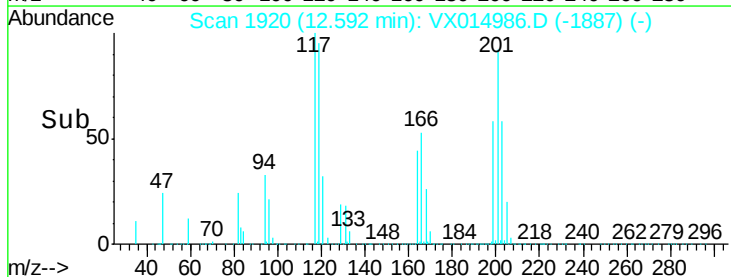
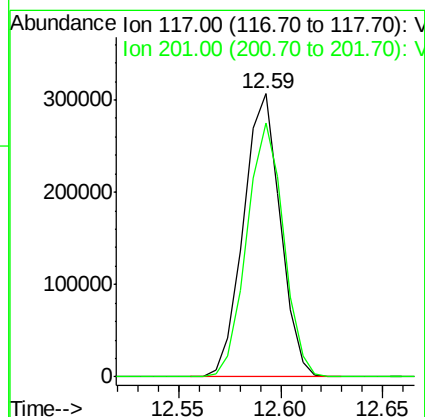
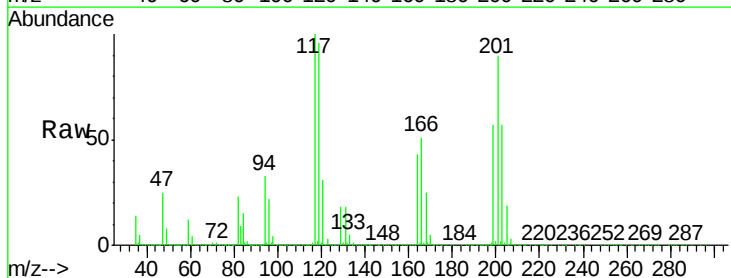
Acq: 21 Feb 2020 10:21

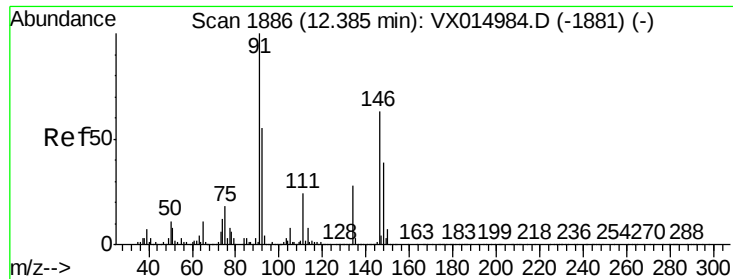
Tgt Ion: 117 Resp: 385393

Ion Ratio Lower Upper

117 100

201 89.3 45.6 136.7

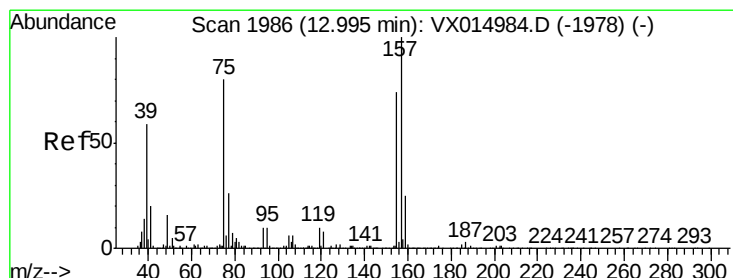
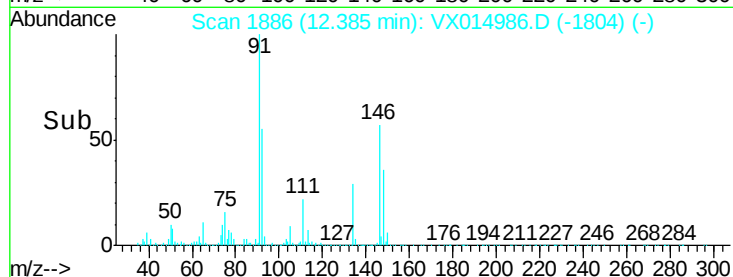
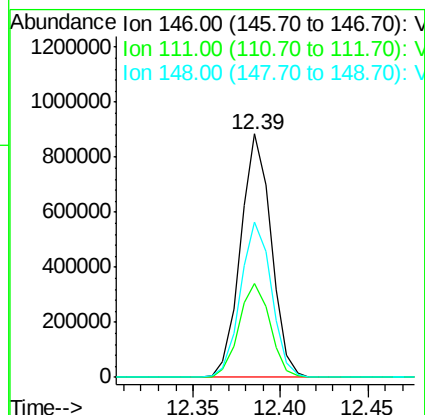
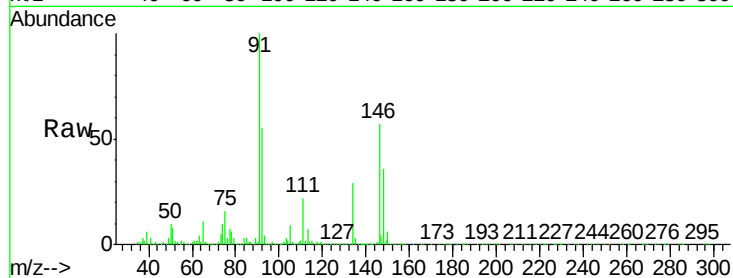




#87
 1,2-Dichlorobenzene
 Concen: 103.77 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

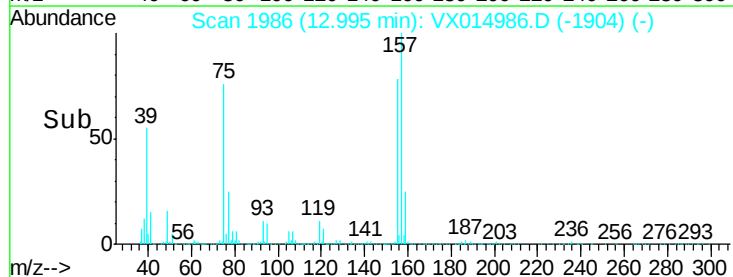
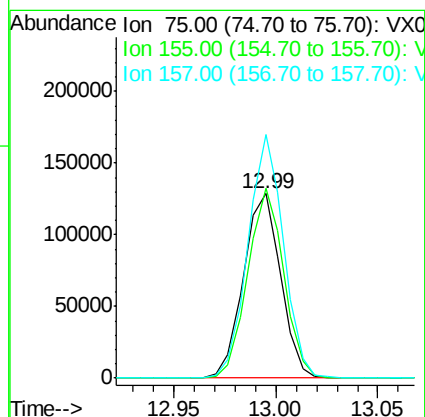
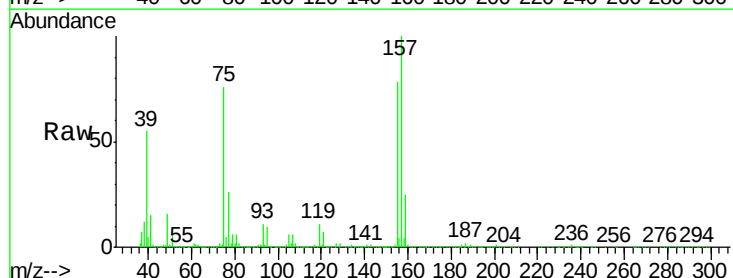
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

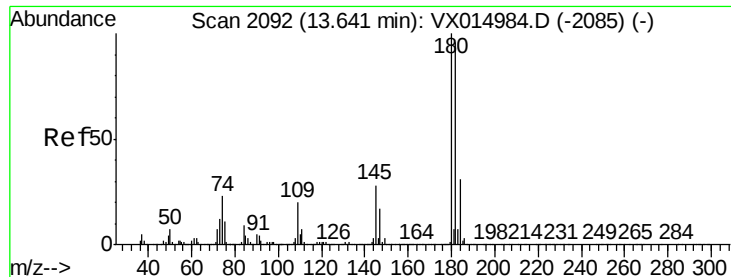
Tgt Ion:146 Resp: 1073673
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.1
 148 64.6 32.0 96.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 102.72 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion: 75 Resp: 162333
 Ion Ratio Lower Upper
 75 100
 155 99.9 74.5 111.7
 157 126.7 96.2 144.4

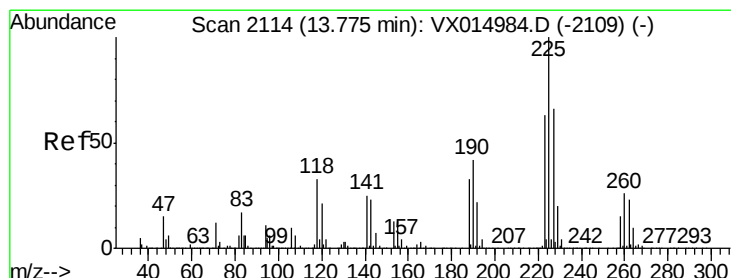
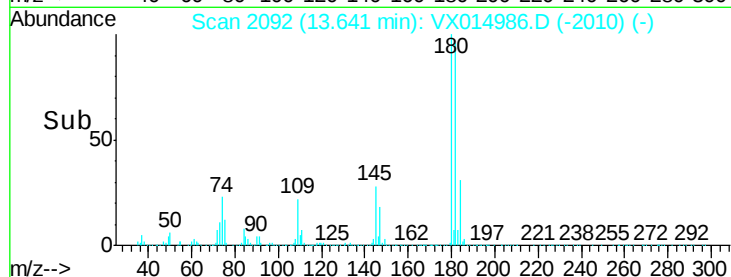
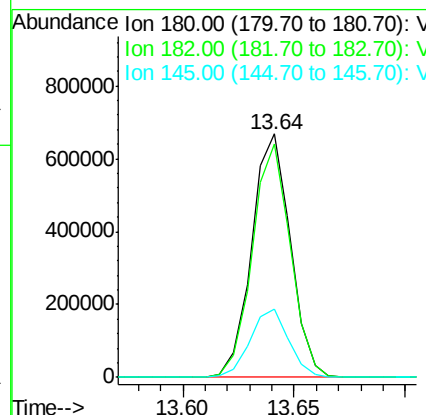
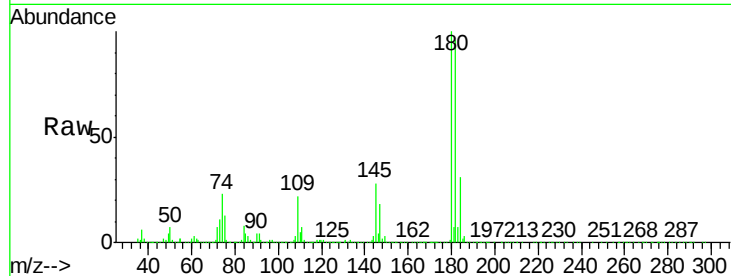




#89
 1,2,4-Trichlorobenzene
 Concen: 116.43 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

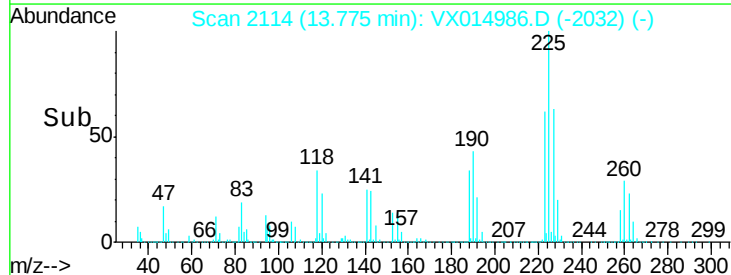
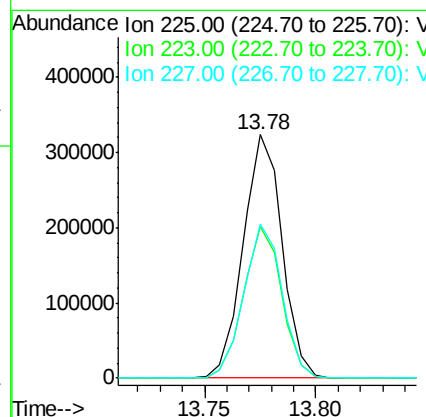
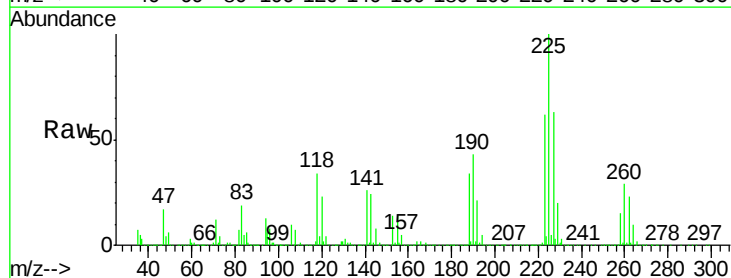
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

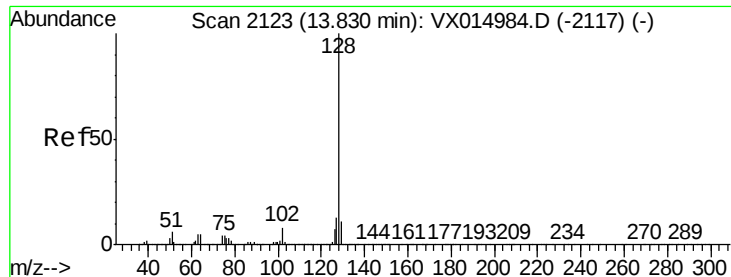
Tgt Ion:180 Resp: 808082
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.4 114.6
 145 27.9 21.8 32.6



#90
 Hexachlorobutadiene
 Concen: 113.55 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014986.D
 Acq: 21 Feb 2020 10:21

Tgt Ion:225 Resp: 392878
 Ion Ratio Lower Upper
 225 100
 223 61.6 0.0 132.0
 227 62.4 0.0 131.0

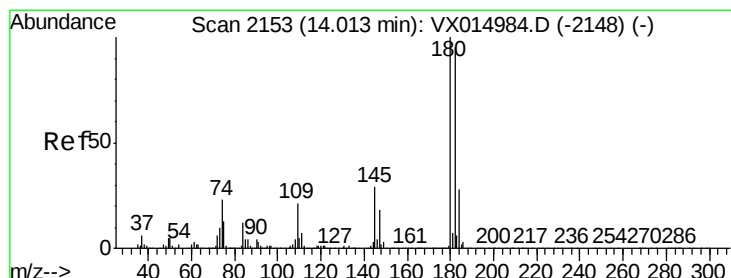
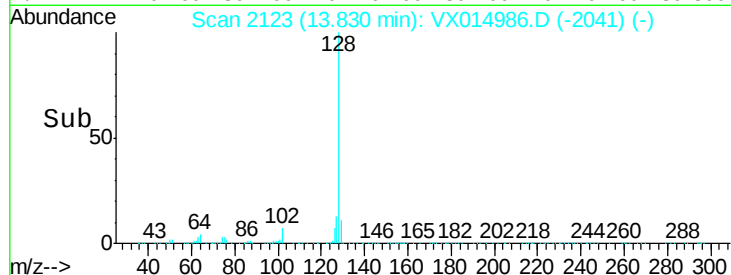
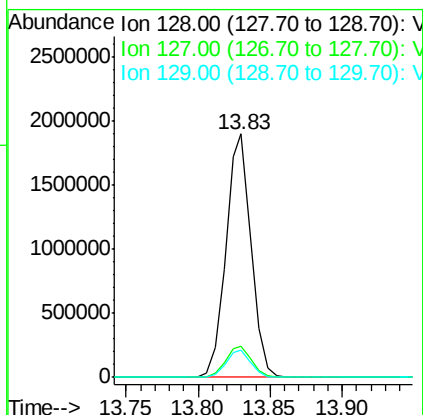
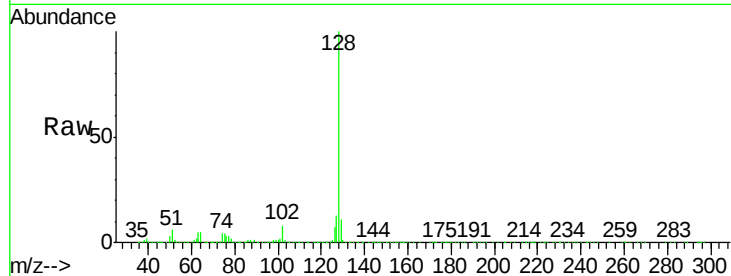




#91
Naphthalene
Concen: 112.07 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2322995
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 112.29 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014986.D
Acq: 21 Feb 2020 10:21

Tgt Ion:180 Resp: 790399
Ion Ratio Lower Upper
180 100
182 96.6 0.0 192.4
145 29.9 0.0 60.4

