

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX020320\NOT REVIEWED DATA\
 Data File : VX014791.D
 Acq On : 03 Feb 2020 12:28
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Feb 03 16:44:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	72406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	403139	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	366264	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	161359	31.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.70%
60) 4-Bromofluorobenzene	11.13	95	174034	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	8.71	98	503629	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	101879	20.36	ug/l	100
3) Chloromethane	1.32	50	111389	20.33	ug/l	95
4) Vinyl Chloride	1.40	62	123956	20.15	ug/l	98
5) Bromomethane	1.64	94	70624	18.40	ug/l	100
6) Chloroethane	1.72	64	67859	19.57	ug/l	97
7) Trichlorofluoromethane	1.93	101	138114	20.28	ug/l	100
8) Diethyl Ether	2.18	74	60967	20.49	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83127	20.86	ug/l	99
10) 1,1-Dichloroethene	2.37	96	80139	19.99	ug/l	97
11) Methyl Iodide	2.50	142	111272	20.70	ug/l	98
12) Methyl Acetate	2.76	43	152650	21.08	ug/l	100
13) Acrolein	2.28	56	71689	94.26	ug/l	99
14) Acrylonitrile	3.13	53	243619	98.33	ug/l	99
15) Acetone	2.43	58	66857	80.49	ug/l	86
16) Carbon Disulfide	2.56	76	207001	18.80	ug/l	98
17) Allyl chloride	2.72	41	145046	19.55	ug/l	95
18) Methylene Chloride	2.85	84	95401	20.34	ug/l	98
19) trans-1,2-Dichloroethene	3.16	96	85202	19.75	ug/l	97
20) Diisopropyl ether	3.84	45	300510	20.48	ug/l	97
21) 1,1-Dichloroethane	3.69	63	159179	19.96	ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	101295	20.43	ug/l	96
23) tert-Butyl Alcohol	3.02	59	94005	91.74	ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	275144	20.63	ug/l	98
25) Chloroform	5.20	83	157838	20.44	ug/l	100
26) Cyclohexane	5.58	56	140566	19.11	ug/l	# 100
29) 1,1-Dichloropropene	5.79	75	117940	19.95	ug/l	99
30) 2-Butanone	4.65	43	342652	91.49	ug/l	100
31) 2,2-Dichloropropane	4.58	77	130487	20.63	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	130024	19.88	ug/l	99
33) Carbon Tetrachloride	5.78	117	111064	19.78	ug/l	98
34) Benzene	6.14	78	361065	19.76	ug/l	100
35) Methacrylonitrile	5.03	41	69883	18.68	ug/l	93
36) 1,2-Dichloroethane	6.18	62	128685	20.24	ug/l	99
37) Trichloroethene	7.21	130	95935	19.18	ug/l	99
38) Methylcyclohexane	7.46	83	141639	19.24	ug/l	99
39) 1,2-Dichloropropane	7.51	63	94281	19.85	ug/l	95
40) Dibromomethane	7.65	93	60153	19.70	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	118655	19.85	ug/l	99
42) Vinyl Acetate	3.80	43	1169781	101.34	ug/l	99
43) Ethyl Acetate	4.82	43	128099	18.89	ug/l	97
44) Isopropyl Acetate	6.43	43	213527	19.52	ug/l	99
45) 1,4-Dioxane	7.73	88	39087	357.27	ug/l	99
46) Methyl methacrylate	7.76	41	104680	19.46	ug/l	99
47) n-amyl Acetate	10.89	43	188730	20.59	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	131635	20.17	ug/l	93
49) cis-1,3-Dichloropropene	8.43	75	146825	19.96	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	91365	19.67	ug/l	97
51) Ethyl methacrylate	9.17	69	139555	19.29	ug/l	99
52) 1,3-Dichloropropane	9.37	76	155741	19.79	ug/l	99
53) Dibromochloromethane	9.57	129	94587	19.90	ug/l	99
54) 1,2-Dibromoethane	9.67	107	96140	19.95	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	312743	94.07	ug/l	99
56) Bromoform	10.85	173	70449	19.25	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	677269	98.19	ug/l	99
59) 2-Hexanone	9.48	43	504547	94.59	ug/l	100
61) Tetrachloroethene	9.33	164	98257	18.15	ug/l	95
62) Toluene	8.78	91	386747	19.90	ug/l	98
64) Chlorobenzene	10.14	112	241867	19.94	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	91309	20.38	ug/l	100
66) Ethyl Benzene	10.25	91	417019	19.70	ug/l	98
67) m/p-Xylenes	10.35	106	316174	39.00	ug/l	98
68) o-Xylene	10.69	106	154864	19.62	ug/l	99
69) Styrene	10.71	104	260744	19.49	ug/l	99
70) Isopropylbenzene	11.01	105	411671	19.90	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	141365	20.29	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	157924	26.50	ug/l	94
73) Bromobenzene	11.25	156	109968	20.06	ug/l	97
74) n-propylbenzene	11.35	91	468161	19.81	ug/l	99
75) 2-Chlorotoluene	11.42	91	279763	19.75	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	338703	19.65	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	43485	18.96	ug/l	99
78) 4-Chlorotoluene	11.51	91	317335	19.73	ug/l	99
79) tert-butylbenzene	11.76	119	322970	20.03	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	339883	19.77	ug/l	99
81) sec-Butylbenzene	11.94	105	396011	19.85	ug/l	99
82) p-Isopropyltoluene	12.06	119	358907	19.70	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	186001	19.43	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	188607	19.87	ug/l	99
85) n-Butylbenzene	12.39	91	301249	18.90	ug/l	99
86) Hexachloroethane	12.59	117	64396	19.71	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	189853	19.65	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	29201	19.62	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	124564	19.54	ug/l	98
90) Hexachlorobutadiene	13.78	225	62099	19.49	ug/l	98
91) Naphthalene	13.83	128	372779	19.37	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	124778	19.23	ug/l	99

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ClientSampleId :
VSTDCCC020

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration

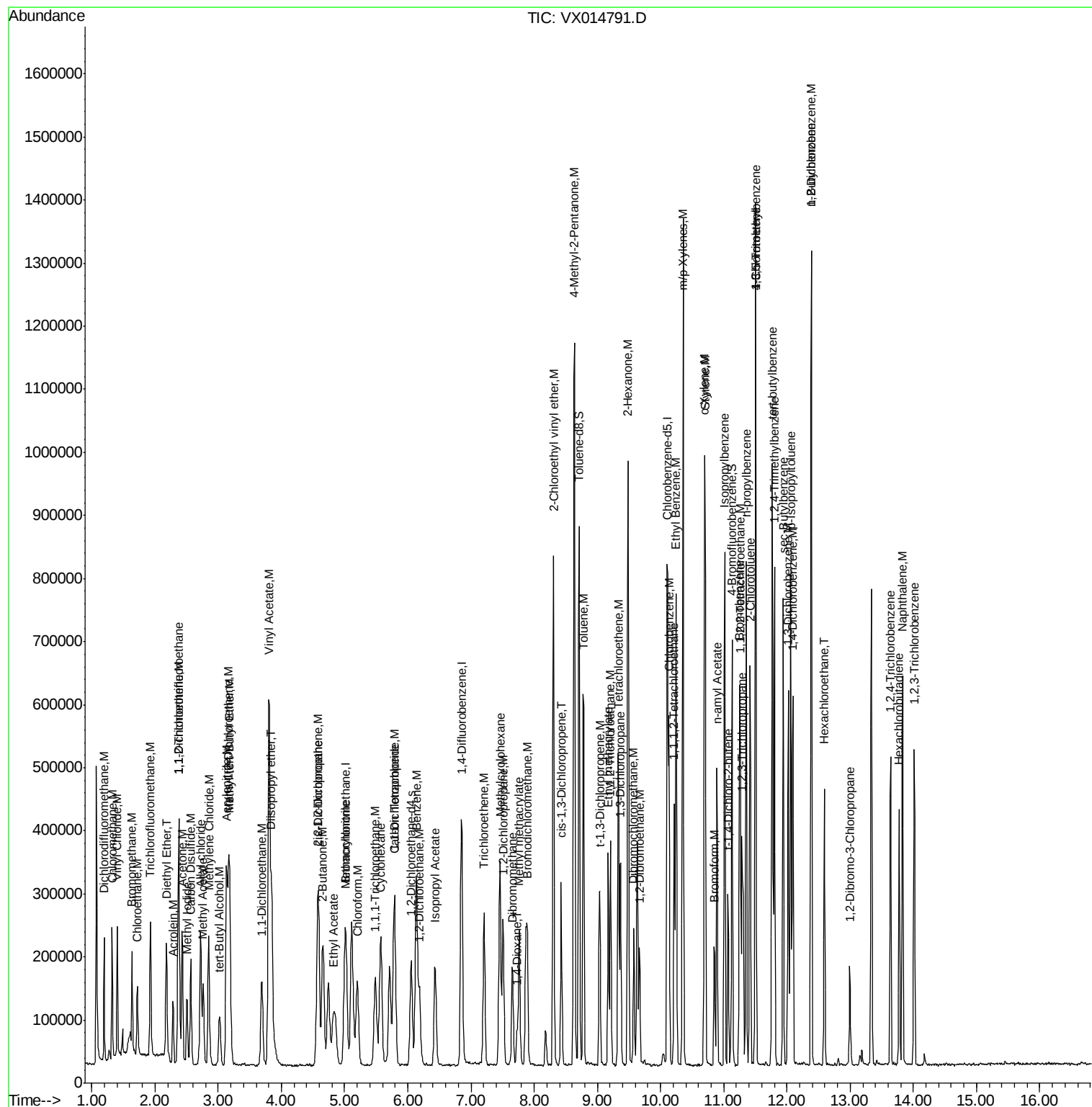
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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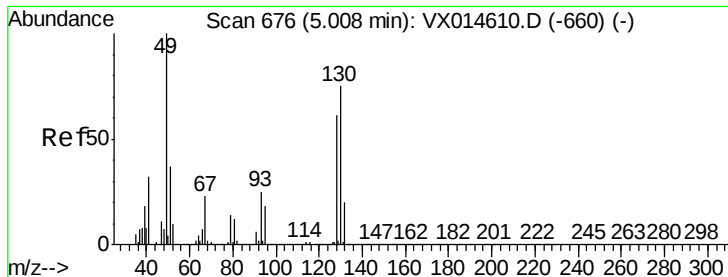
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: Feb 03 16:44:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

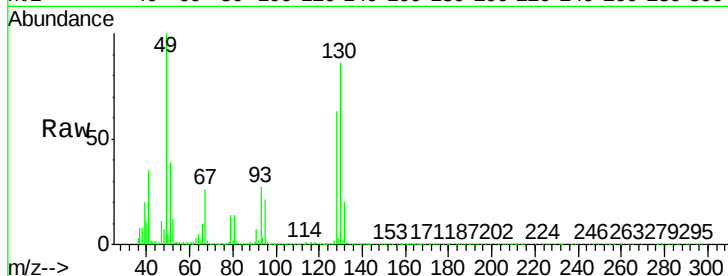
Tgt Ion:128 Resp: 72406

Ion Ratio Lower Upper

128 100

49 161.7 0.0 405.0

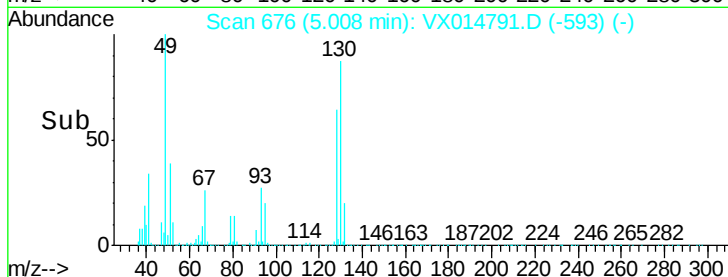
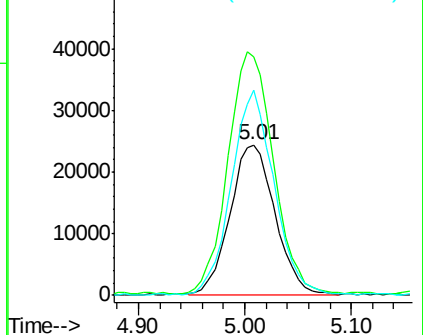
130 128.7 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.36 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014791.D

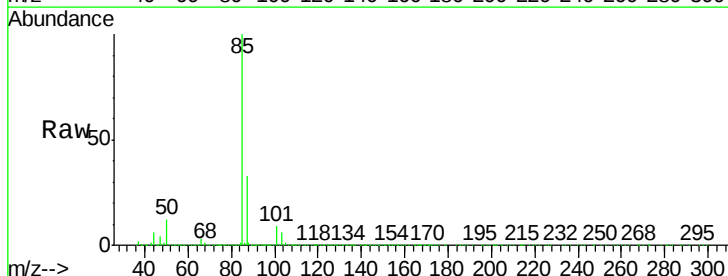
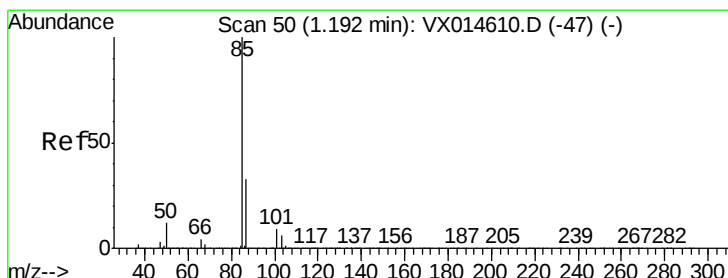
Acq: 03 Feb 2020 12:28

Tgt Ion: 85 Resp: 101879

Ion Ratio Lower Upper

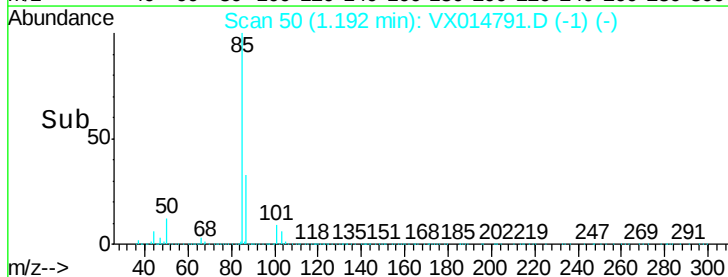
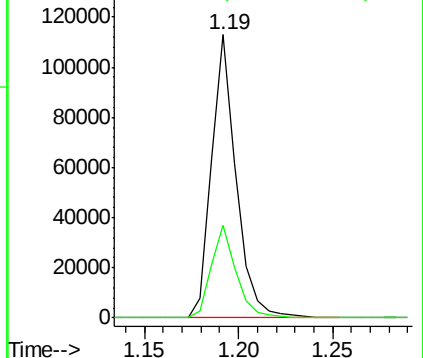
85 100

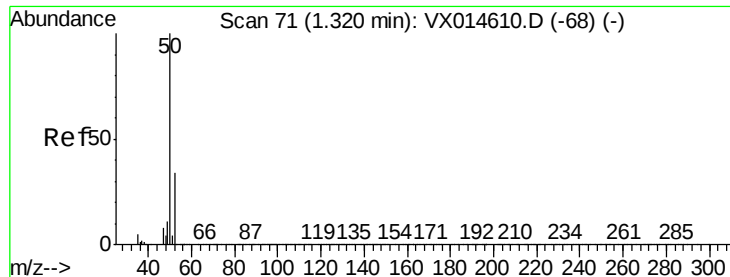
87 32.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

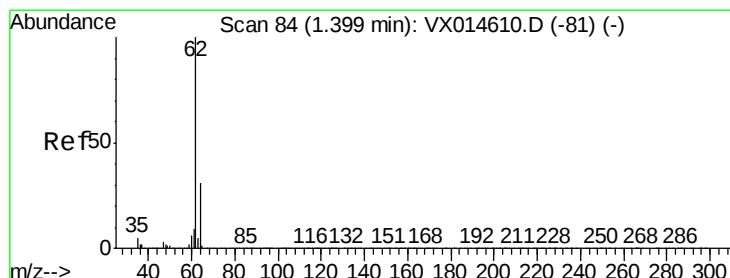
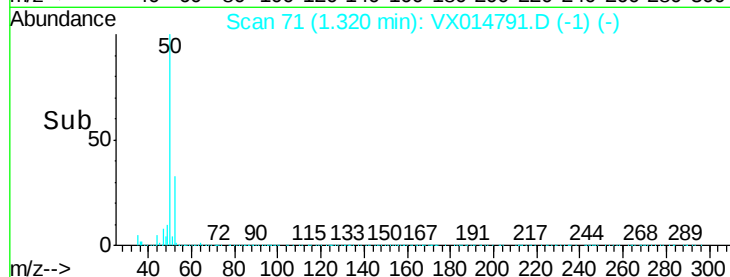
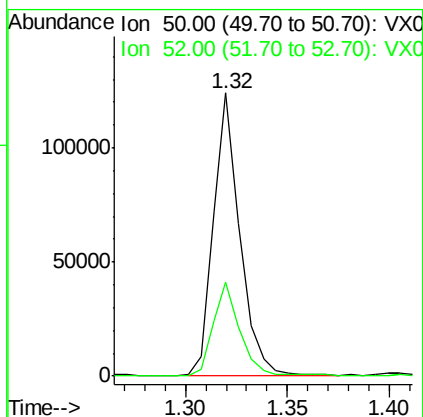
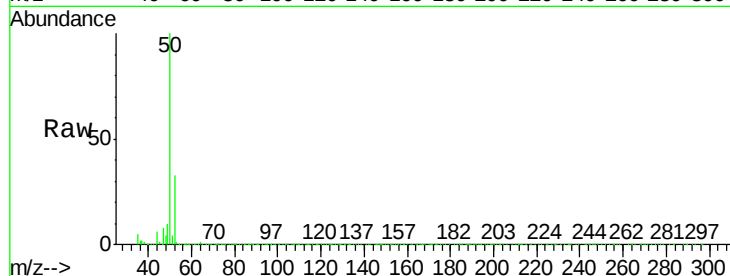




#3
Chloromethane
Concen: 20.33 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

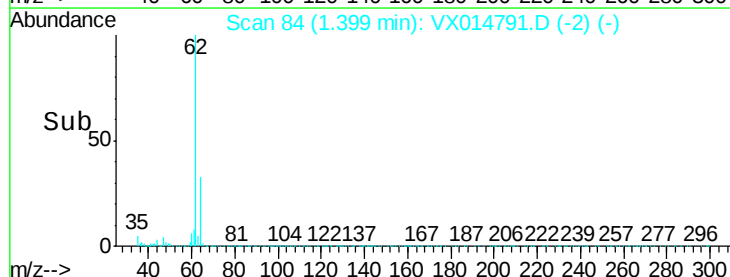
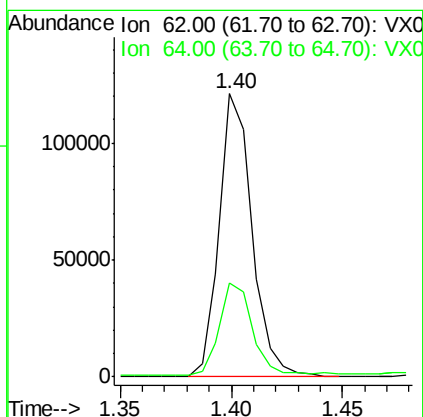
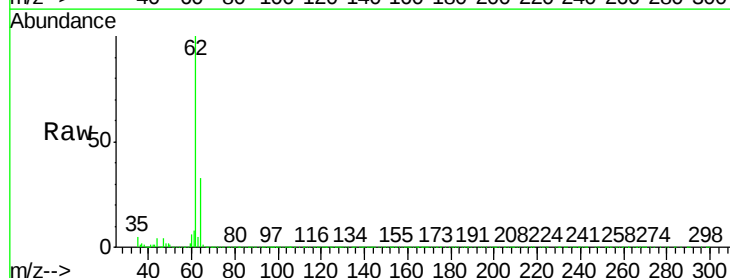
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

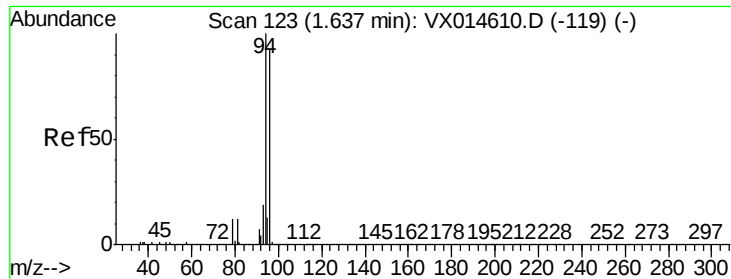
Tgt Ion: 50 Resp: 111389
Ion Ratio Lower Upper
50 100
52 32.9 24.3 36.5



#4
Vinyl Chloride
Concen: 20.15 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 62 Resp: 123956
Ion Ratio Lower Upper
62 100
64 32.4 25.2 37.8





#5

Bromomethane

Concen: 18.40 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

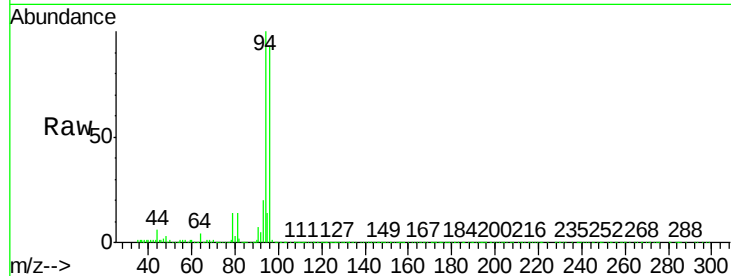
VSTDCCC020

Tgt Ion: 94 Resp: 70624

Ion Ratio Lower Upper

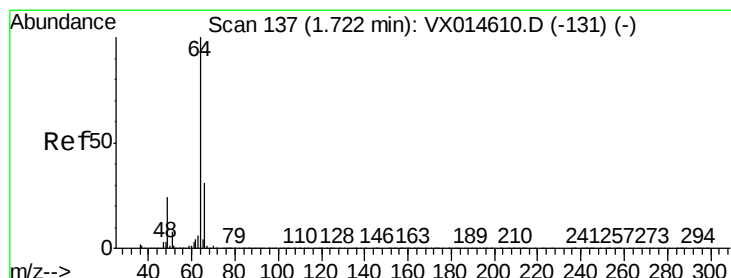
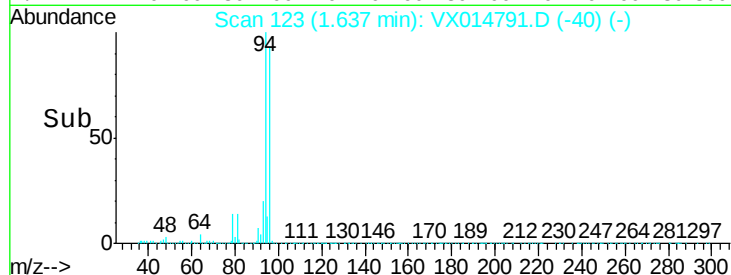
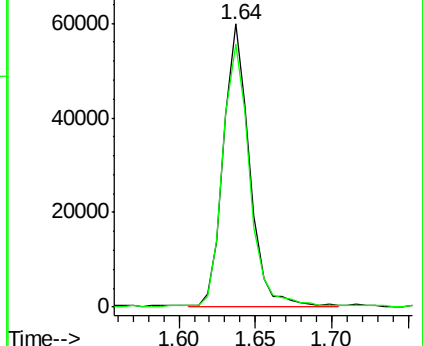
94 100

96 92.9 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.57 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014791.D

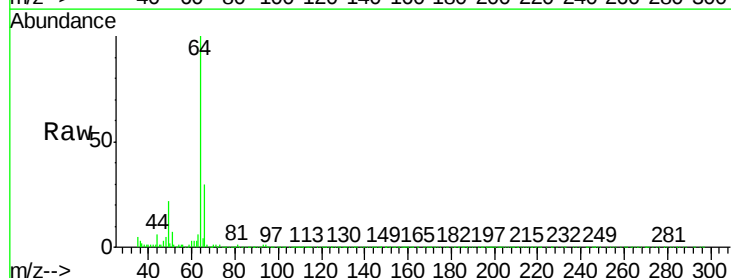
Acq: 03 Feb 2020 12:28

Tgt Ion: 64 Resp: 67859

Ion Ratio Lower Upper

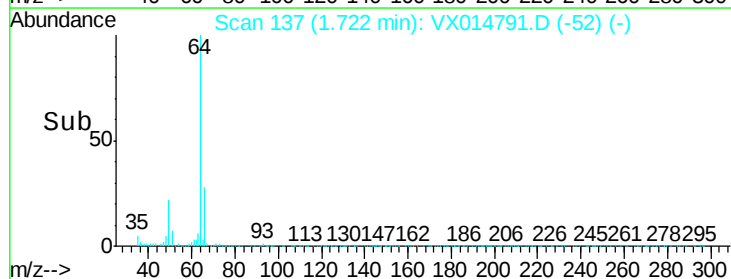
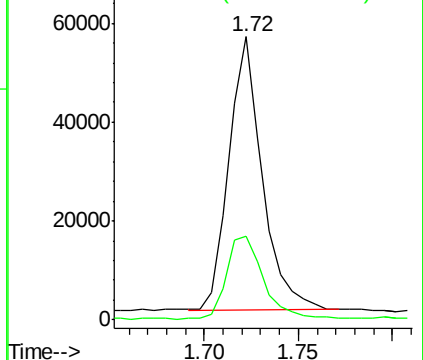
64 100

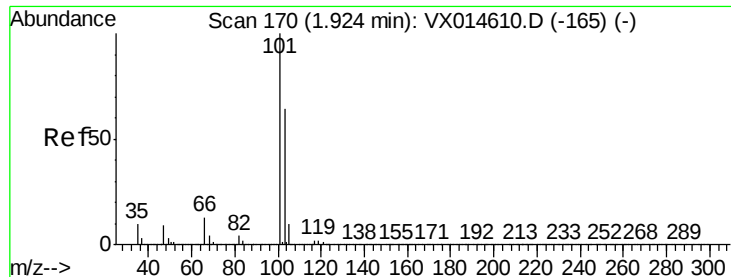
66 30.0 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



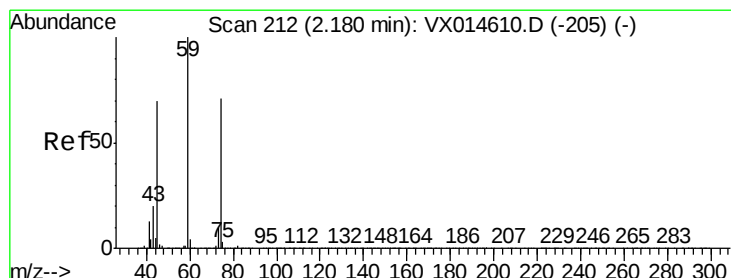
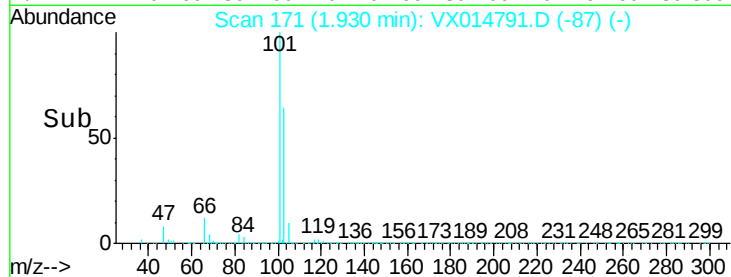
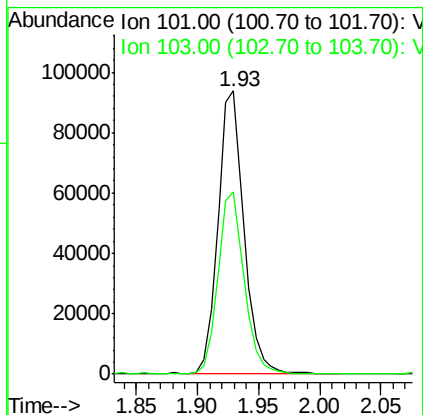
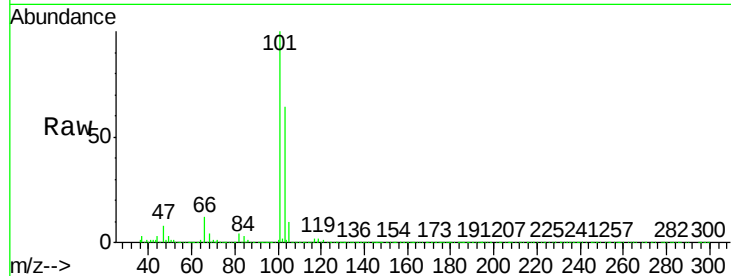


#7

Trichlorofluoromethane
Concen: 20.28 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

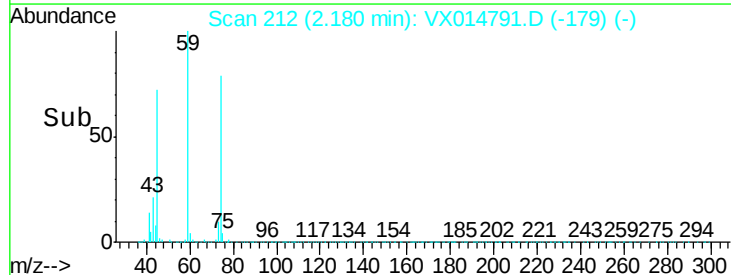
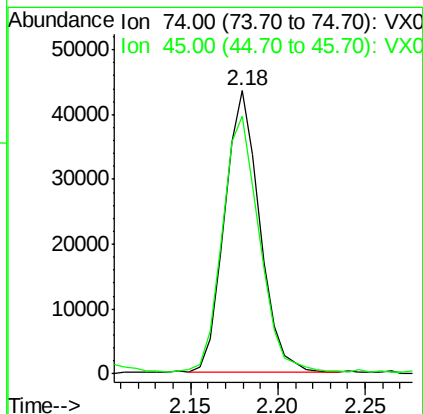
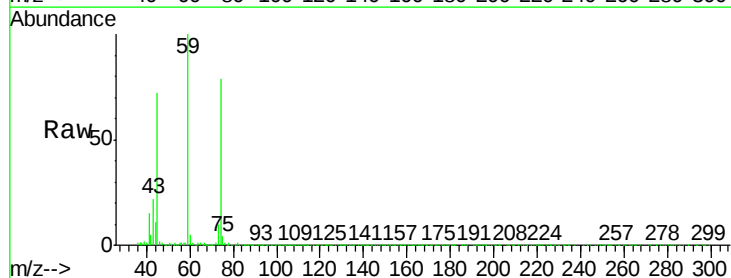
Tgt Ion:101 Resp: 138114
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4

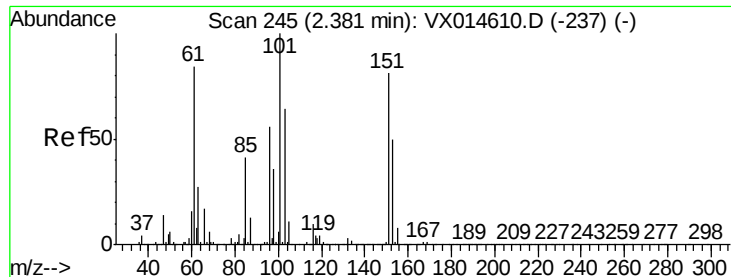


#8

Diethyl Ether
Concen: 20.49 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 74 Resp: 60967
Ion Ratio Lower Upper
74 100
45 94.9 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.86 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

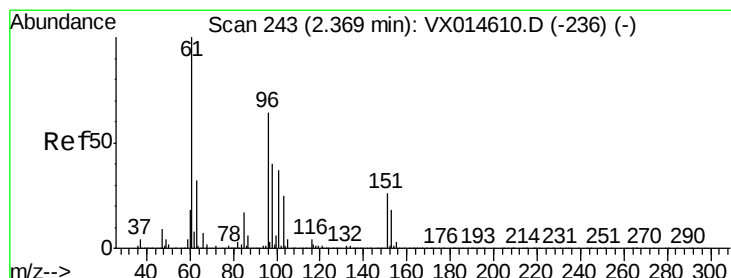
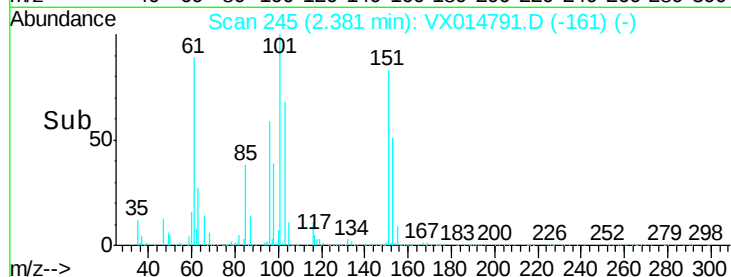
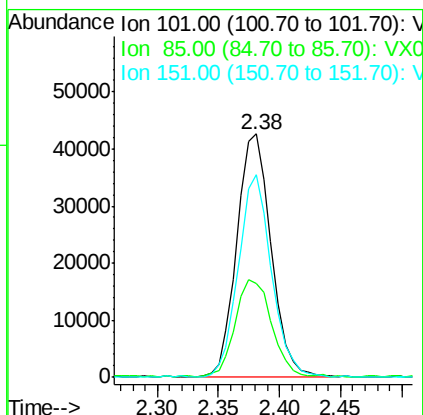
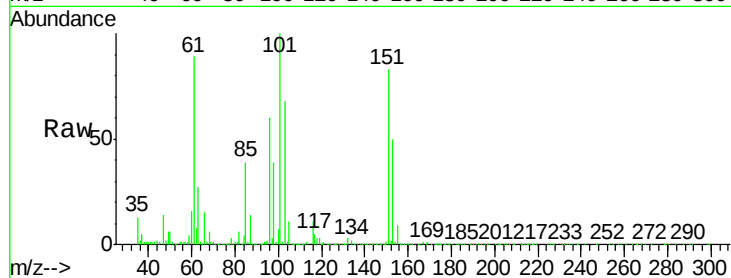
Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tgt Ion:	101	Resp:	83127
Ion	Ratio	Lower	Upper
101	100		
85	41.7	0.0	85.6
151	80.8	0.0	159.4



#10

1,1-Dichloroethene

Concen: 19.99 ug/l

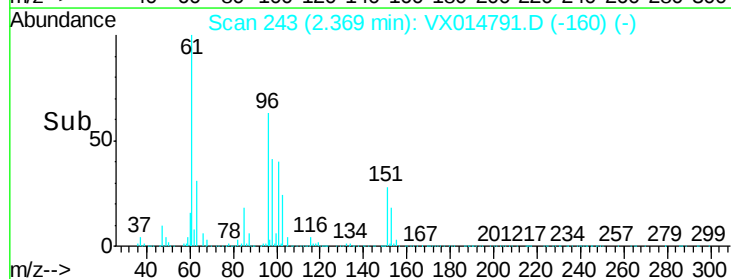
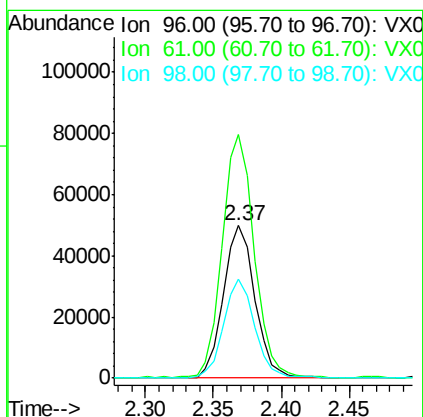
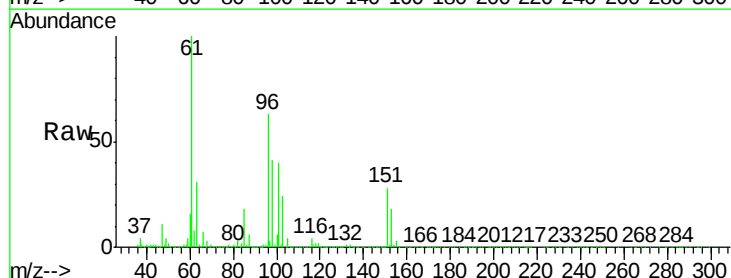
RT: 2.37 min Scan# 243

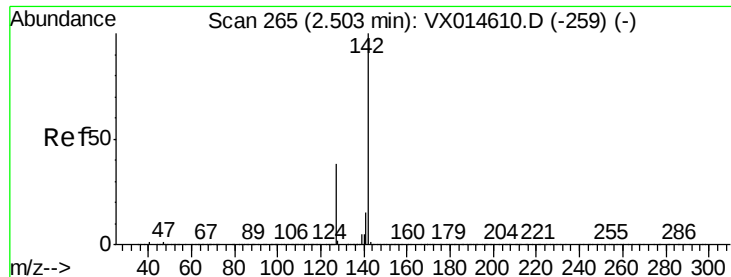
Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	96	Resp:	80139
Ion	Ratio	Lower	Upper
96	100		
61	159.4	123.0	184.6
98	64.7	51.4	77.0

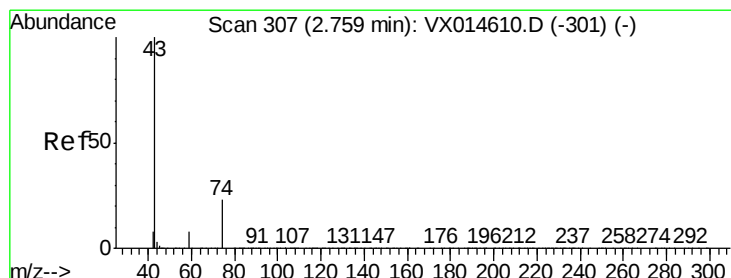
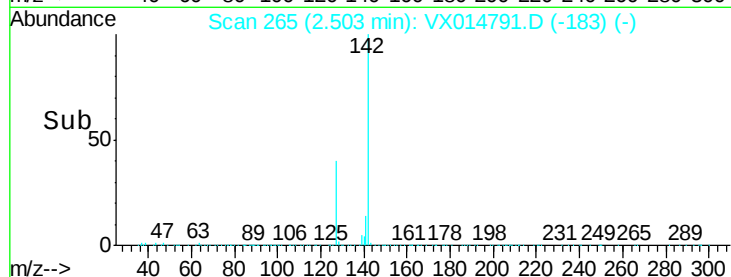
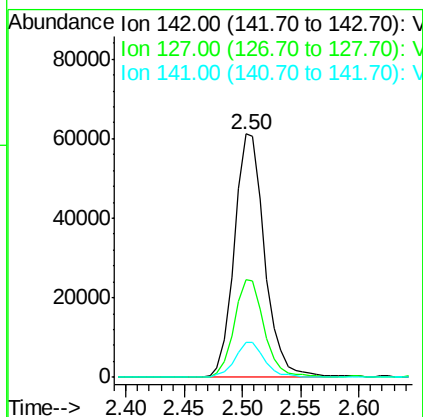
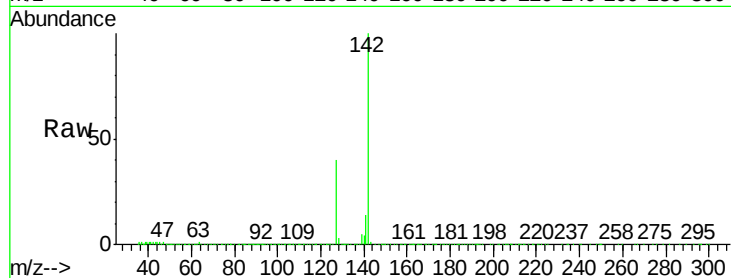




#11
Methyl Iodide
Concen: 20.70 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

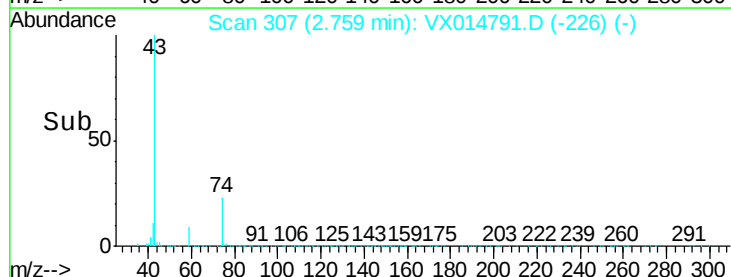
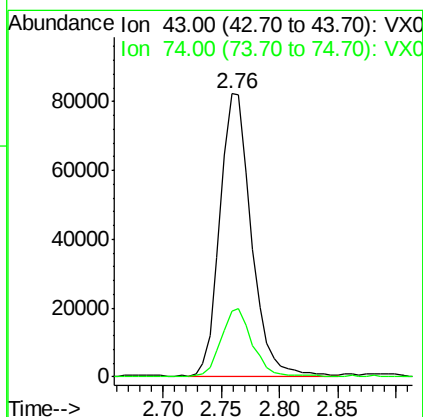
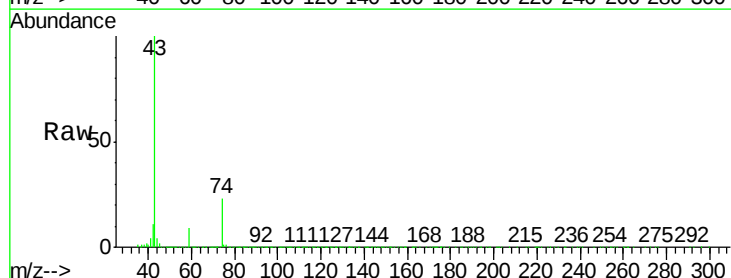
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

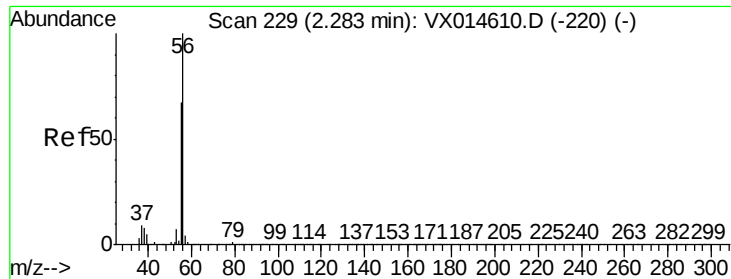
Tgt Ion:142 Resp: 111272
Ion Ratio Lower Upper
142 100
127 40.2 19.5 58.5
141 14.2 7.0 20.9



#12
Methyl Acetate
Concen: 21.08 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 43 Resp: 152650
Ion Ratio Lower Upper
43 100
74 23.2 18.5 27.7

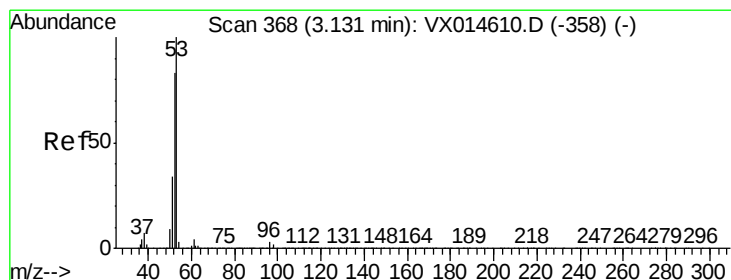
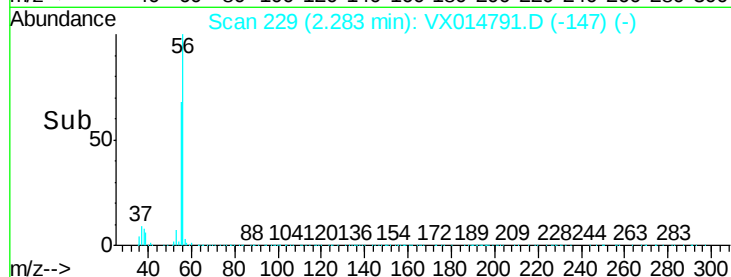
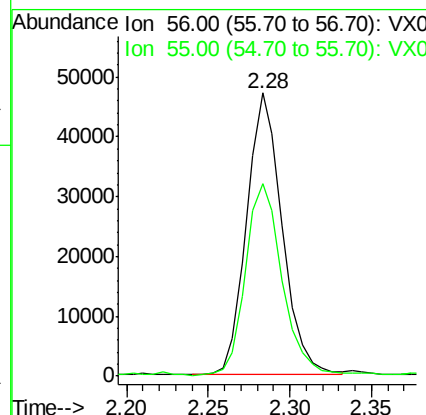
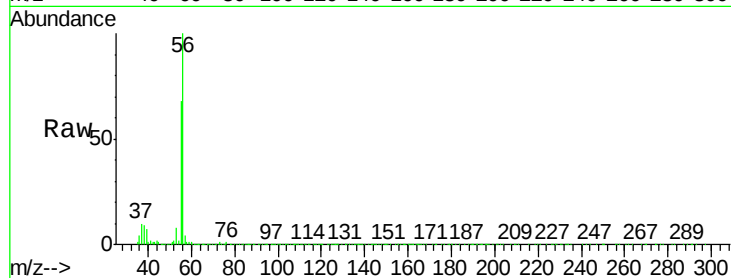




#13
Acrolein
Concen: 94.26 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

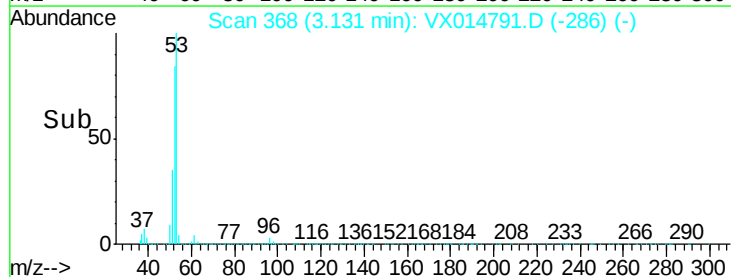
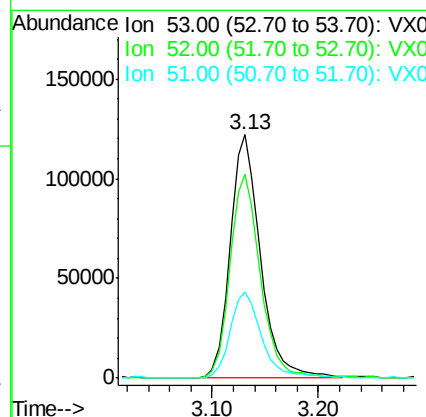
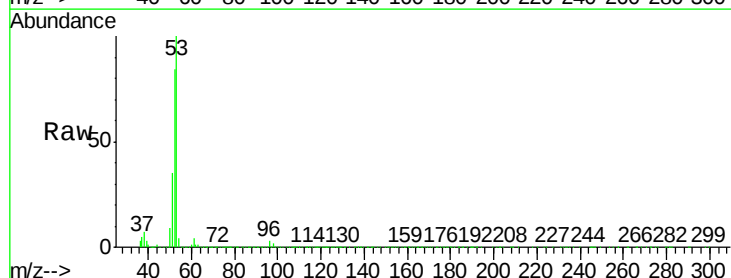
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

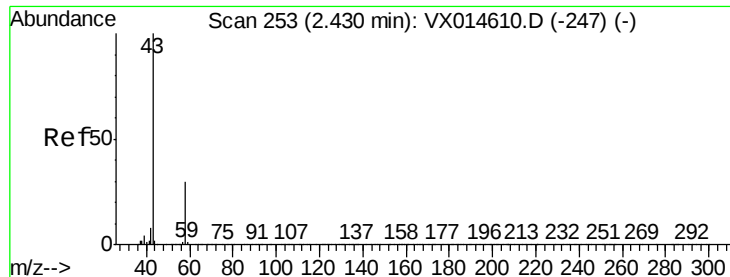
Tgt Ion: 56 Resp: 71689
Ion Ratio Lower Upper
56 100
55 69.6 54.9 82.3



#14
Acrylonitrile
Concen: 98.33 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 53 Resp: 243619
Ion Ratio Lower Upper
53 100
52 83.7 41.5 124.6
51 36.4 17.8 53.5





#15

Acetone

Concen: 80.49 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

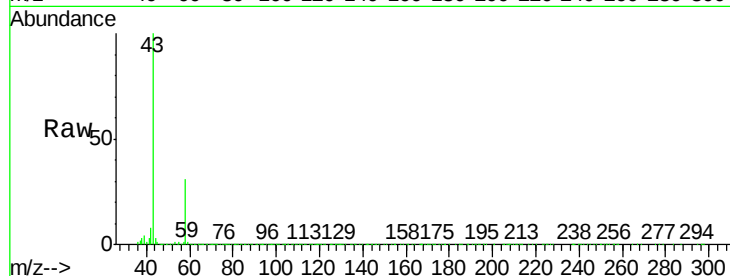
VSTDCCC020

Tgt Ion: 58 Resp: 66857

Ion Ratio Lower Upper

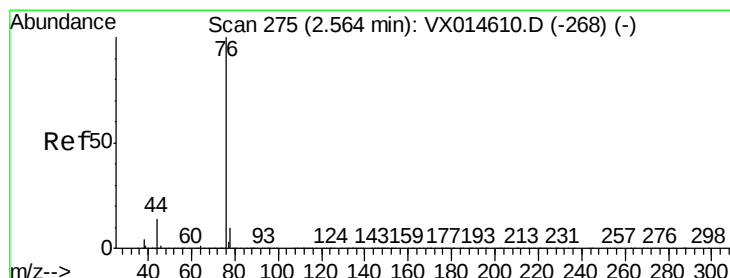
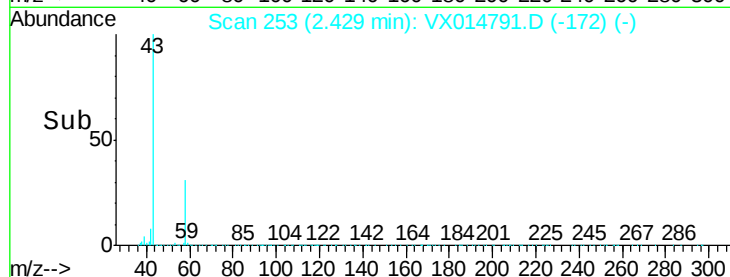
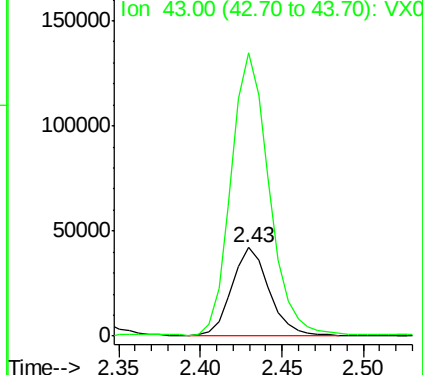
58 100

43 322.3 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.80 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014791.D

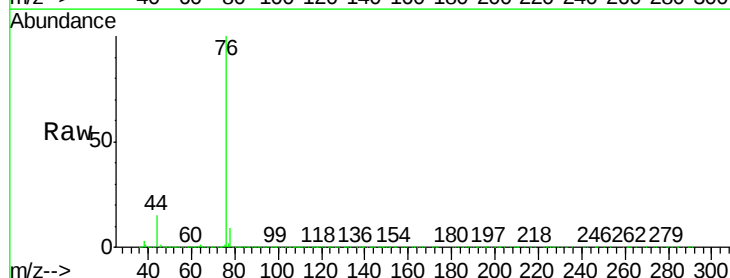
Acq: 03 Feb 2020 12:28

Tgt Ion: 76 Resp: 207001

Ion Ratio Lower Upper

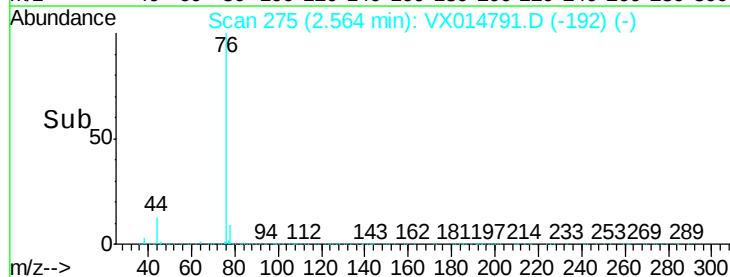
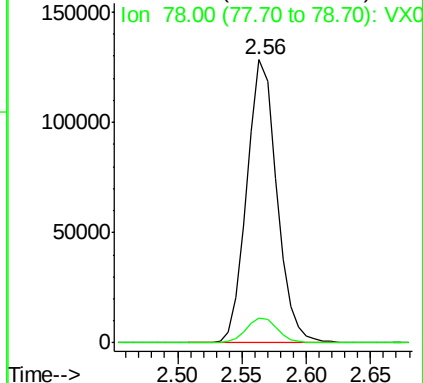
76 100

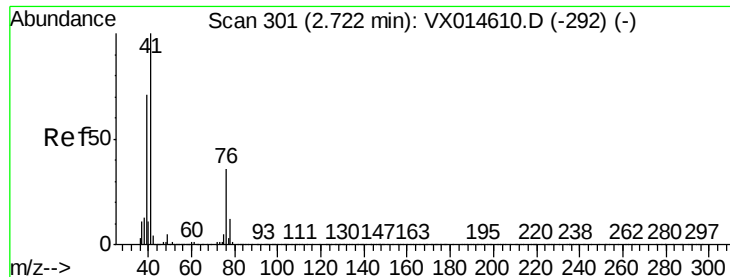
78 8.9 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

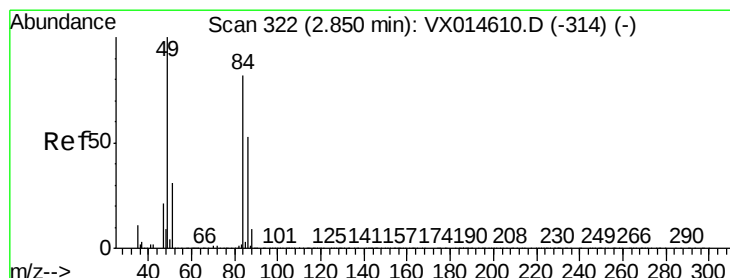
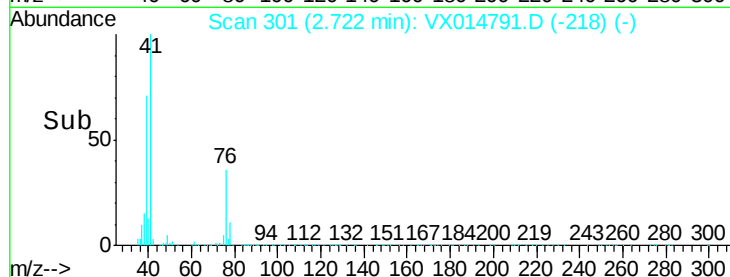
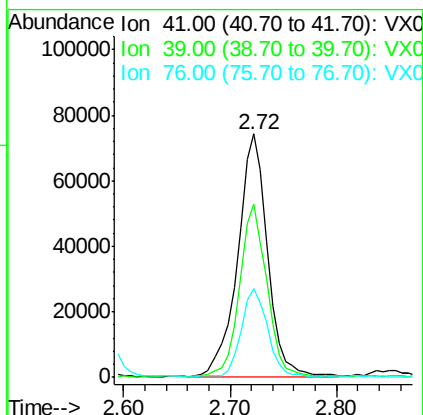
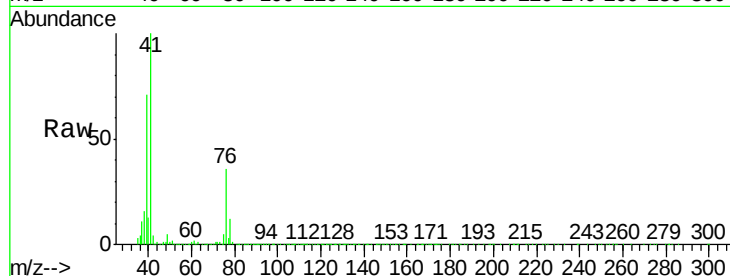




#17
 Allyl chloride
 Concen: 19.55 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

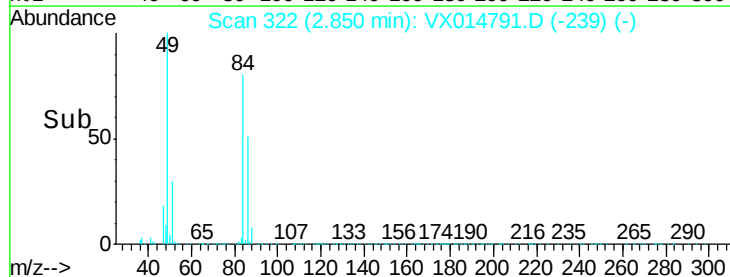
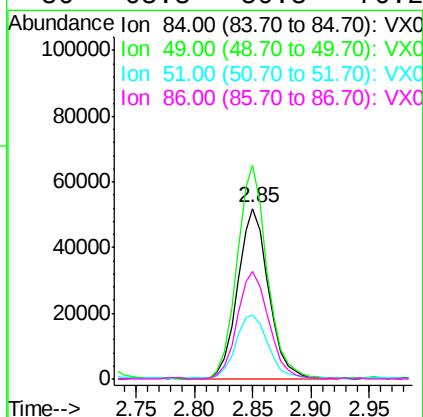
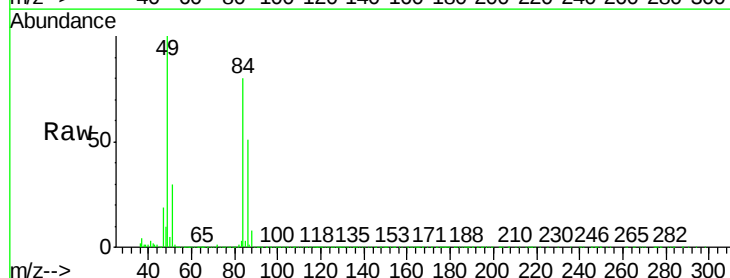
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

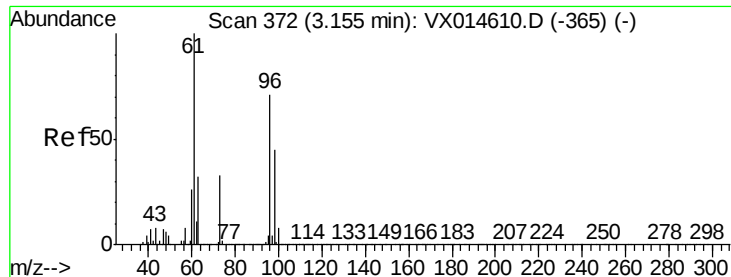
Tgt Ion: 41 Resp: 145046
 Ion Ratio Lower Upper
 41 100
 39 71.0 33.4 100.2
 76 36.2 17.0 50.9



#18
 Methylene Chloride
 Concen: 20.34 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion: 84 Resp: 95401
 Ion Ratio Lower Upper
 84 100
 49 125.5 102.2 153.2
 51 36.9 31.4 47.0
 86 63.3 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 19.75 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

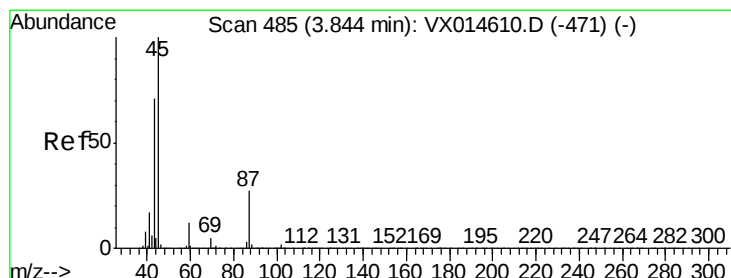
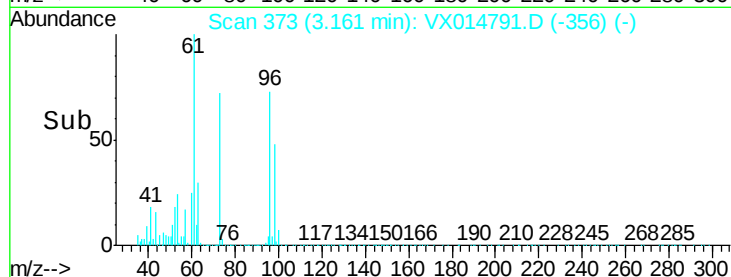
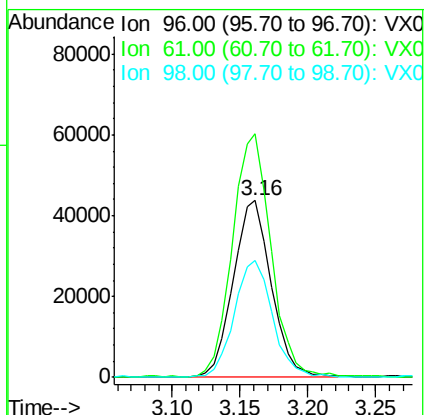
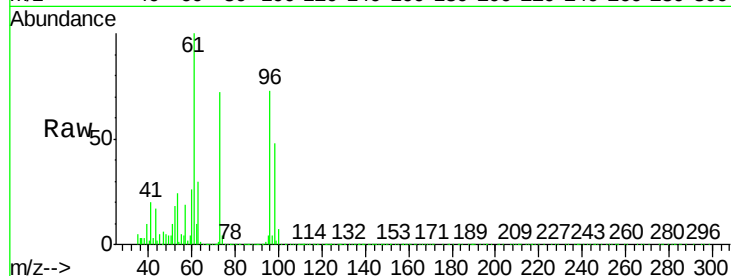
Tgt Ion: 96 Resp: 85202

Ion Ratio Lower Upper

96 100

61 137.4 106.6 159.8

98 65.6 51.6 77.4



#20

Diisopropyl ether

Concen: 20.48 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion: 45 Resp: 300510

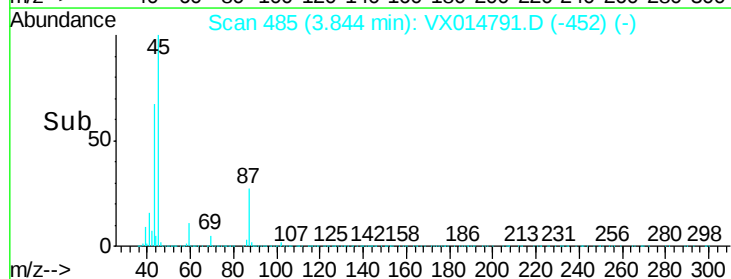
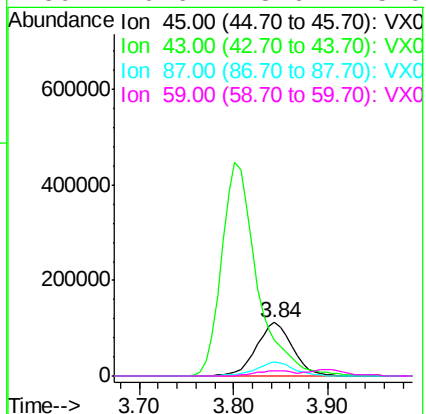
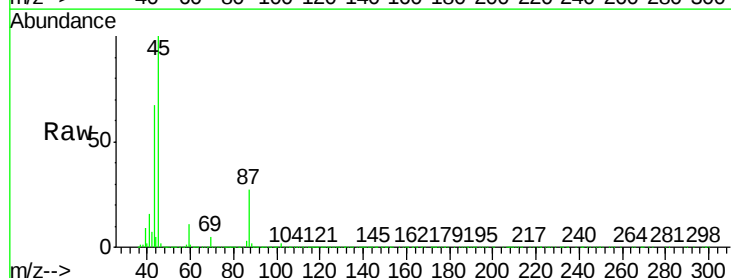
Ion Ratio Lower Upper

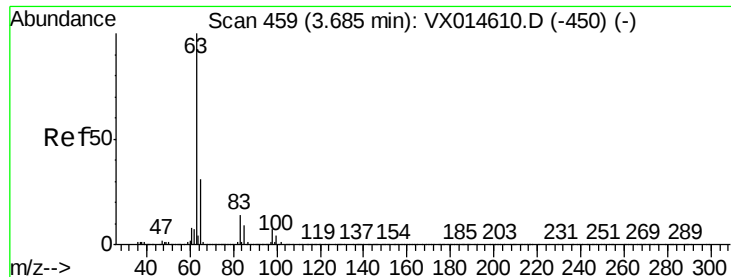
45 100

43 67.0 55.9 83.9

87 26.7 22.2 33.2

59 10.6 8.6 13.0





#21

1,1-Dichloroethane

Concen: 19.96 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

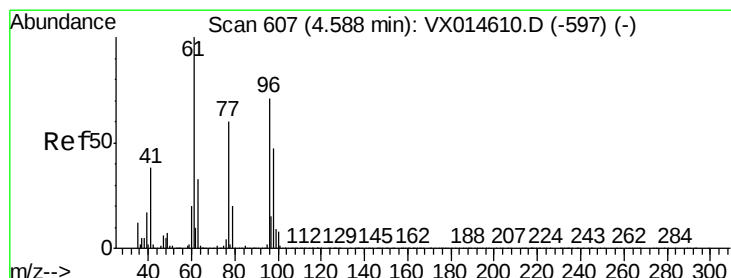
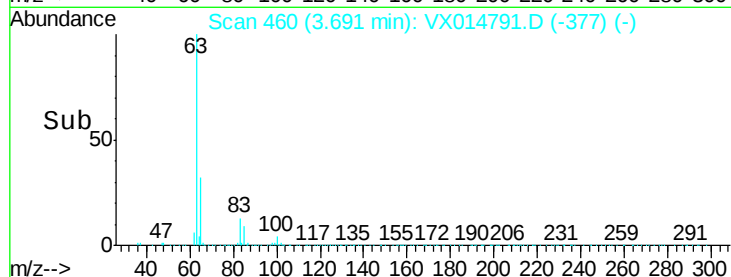
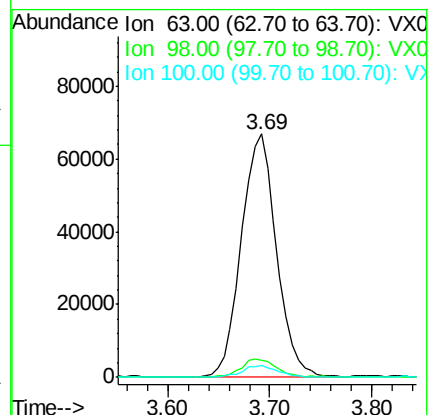
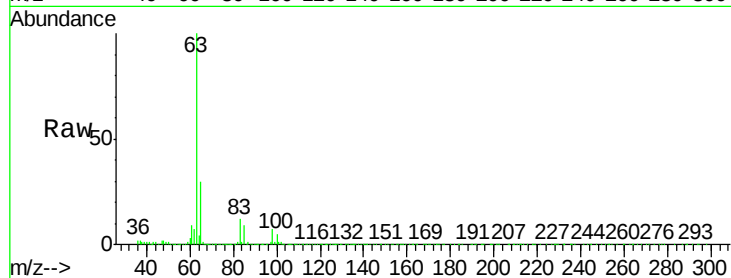
Tgt Ion: 63 Resp: 159179

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.8 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 20.43 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

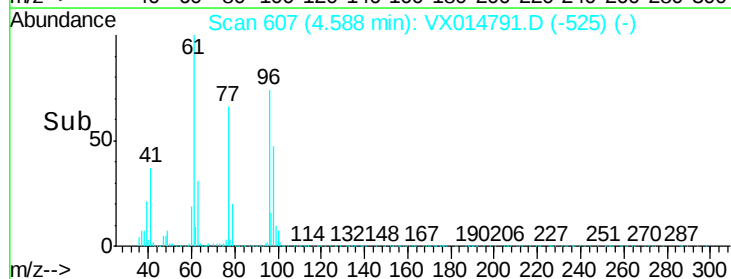
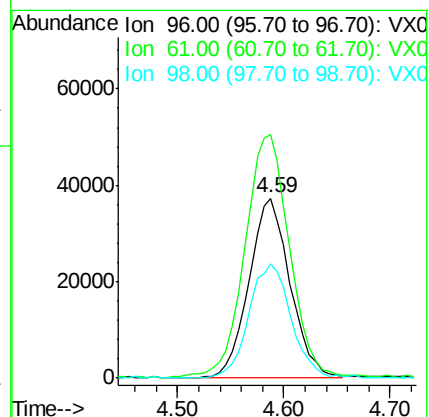
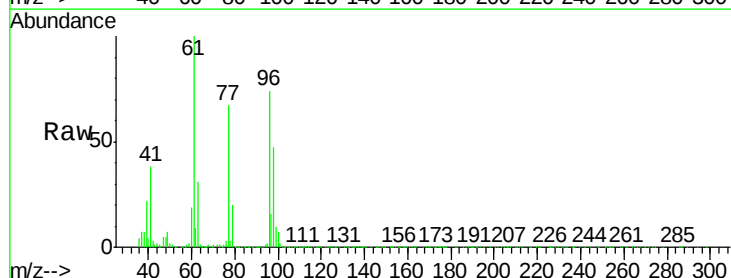
Tgt Ion: 96 Resp: 101295

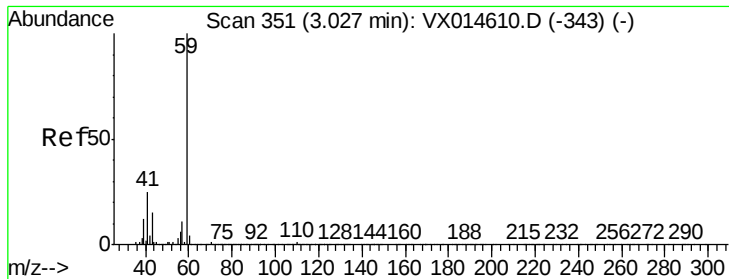
Ion Ratio Lower Upper

96 100

61 145.6 112.4 168.6

98 64.6 50.3 75.5





#23

tert-Butyl Alcohol

Concen: 91.74 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

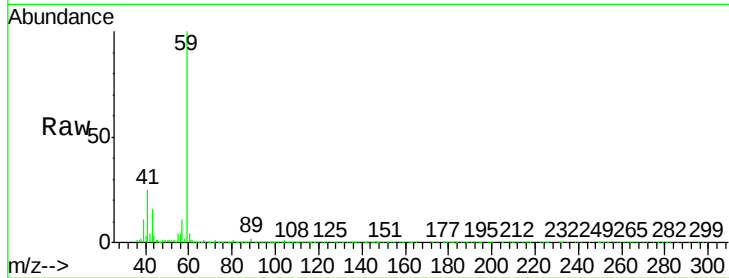
VSTDCCC020

Tgt Ion: 59 Resp: 94005

Ion Ratio Lower Upper

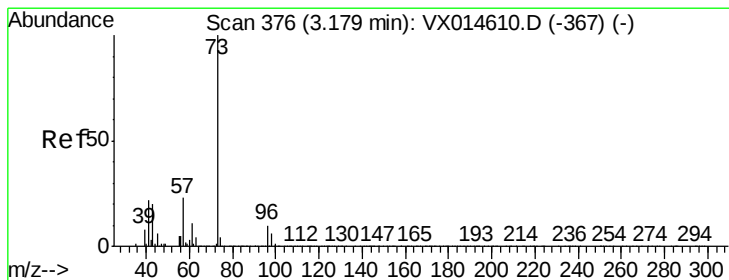
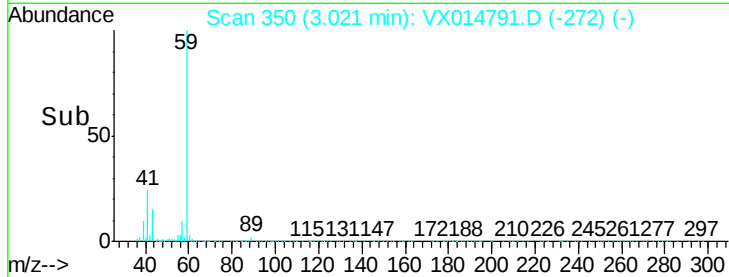
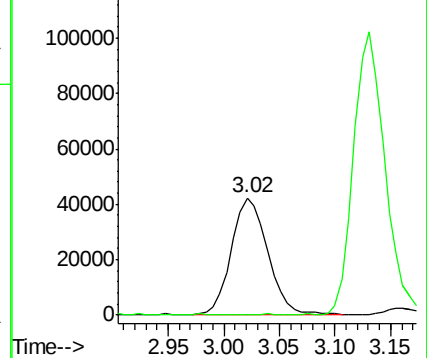
59 100

52 0.2 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 20.63 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX014791.D

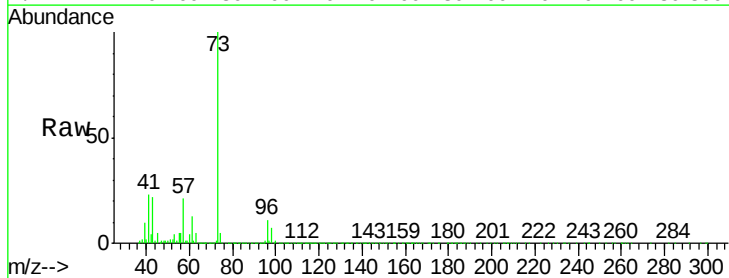
Acq: 03 Feb 2020 12:28

Tgt Ion: 73 Resp: 275144

Ion Ratio Lower Upper

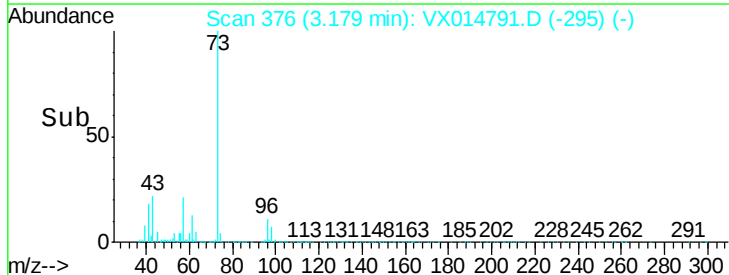
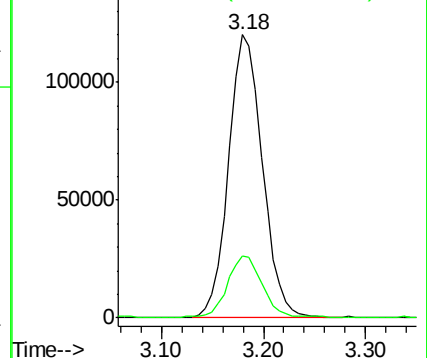
73 100

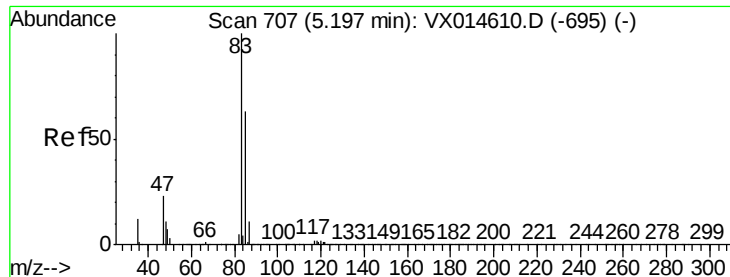
43 21.8 16.6 25.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

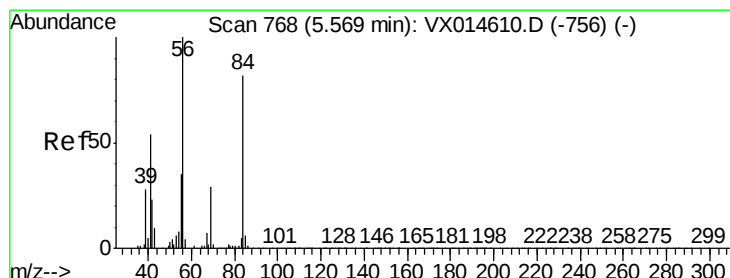
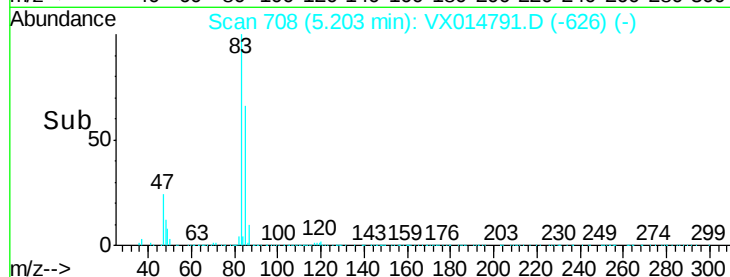
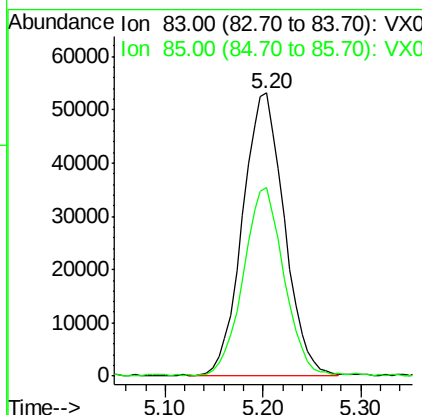
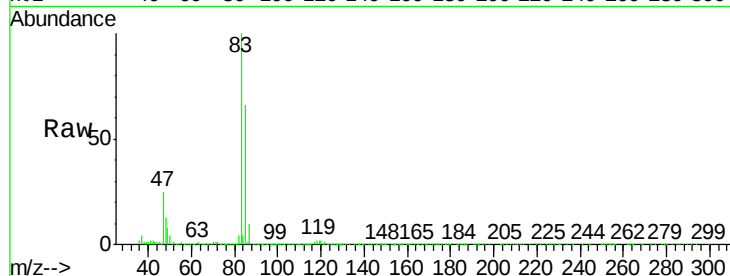




#25
Chloroform
Concen: 20.44 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

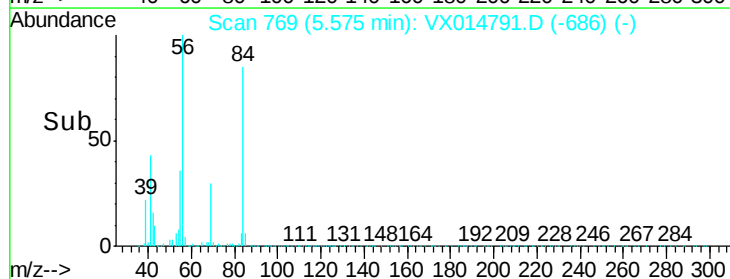
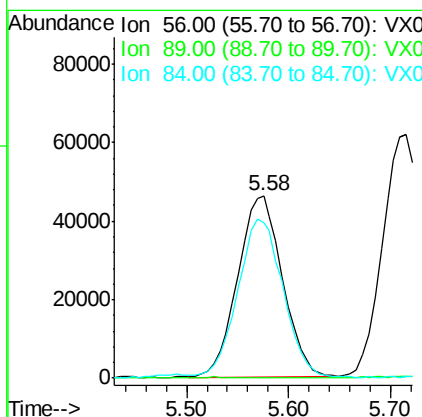
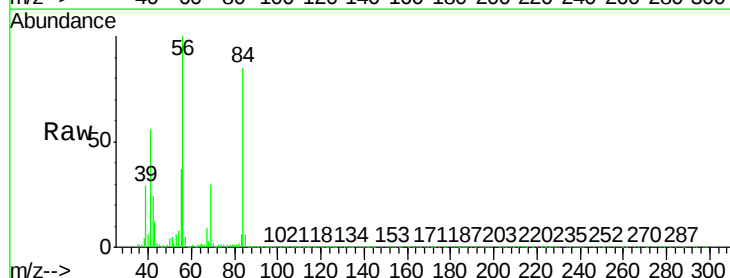
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

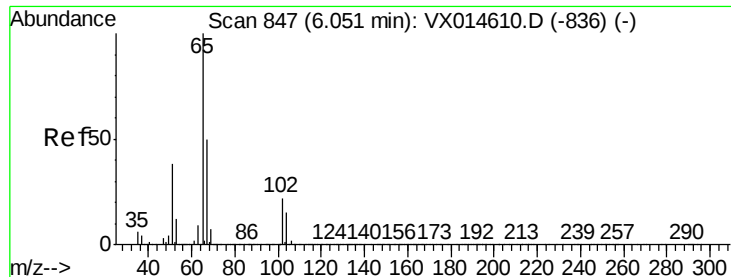
Tgt Ion: 83 Resp: 157838
Ion Ratio Lower Upper
83 100
85 66.2 52.7 79.1



#26
Cyclohexane
Concen: 19.11 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 56 Resp: 140566
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1#
84 88.1 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 31.71 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

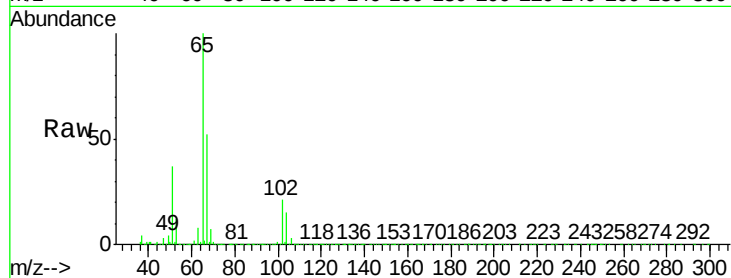
VSTDCCC020

Tgt Ion: 65 Resp: 161359

Ion Ratio Lower Upper

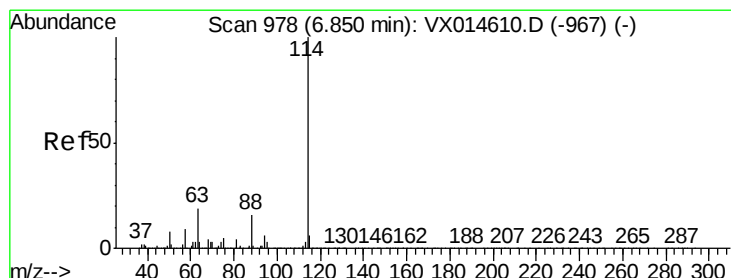
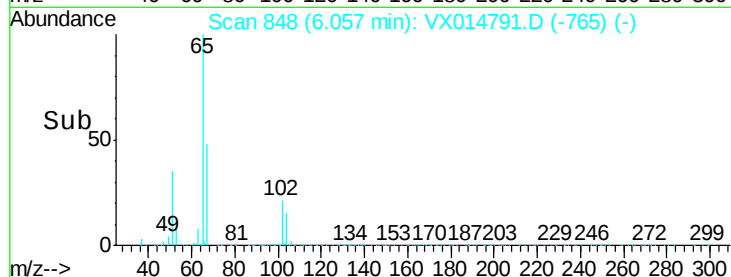
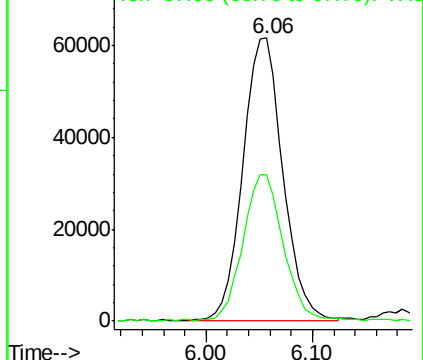
65 100

67 51.7 43.1 64.7



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

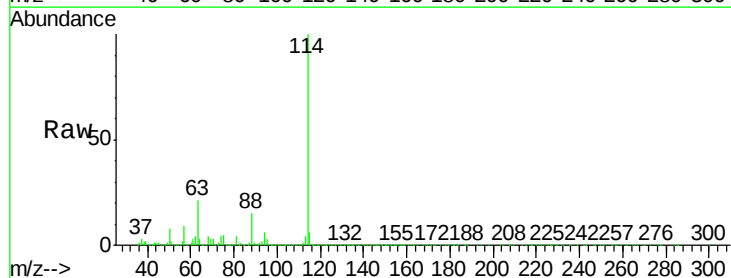
Tgt Ion: 114 Resp: 403139

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

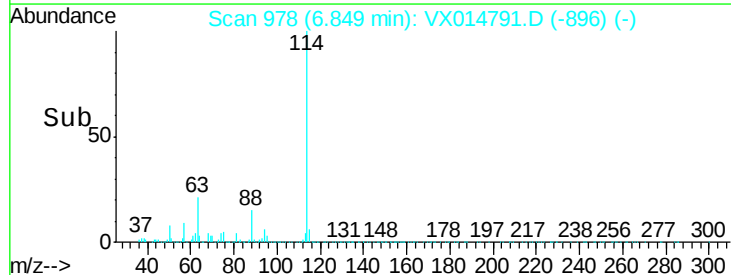
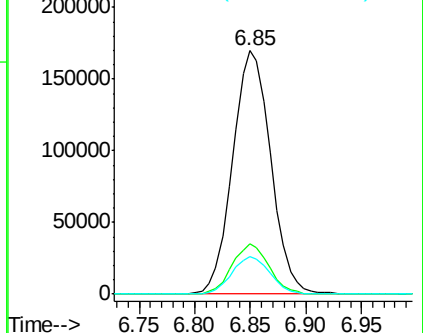
88 15.3 12.5 18.7

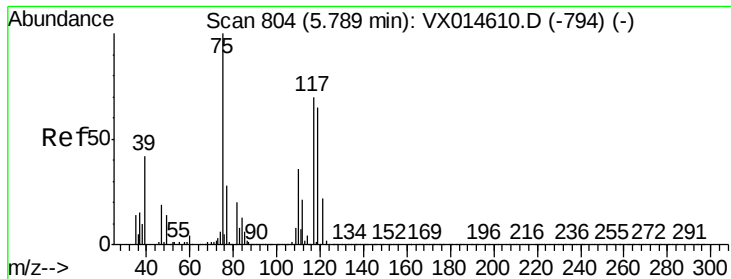


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

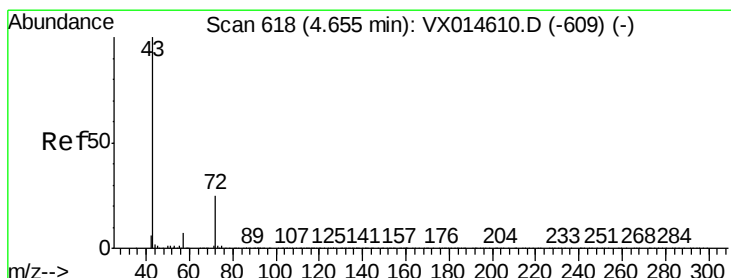
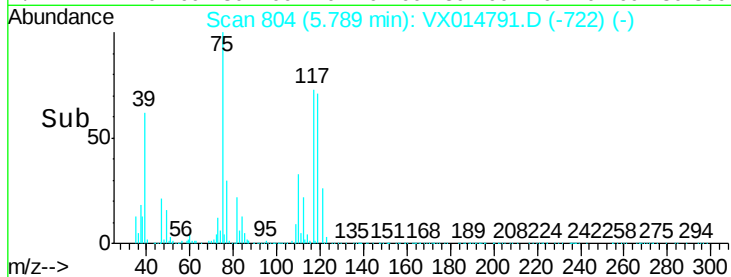
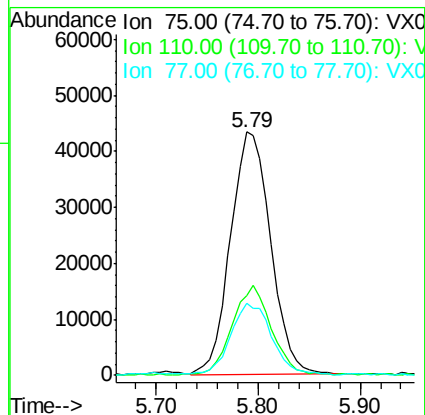
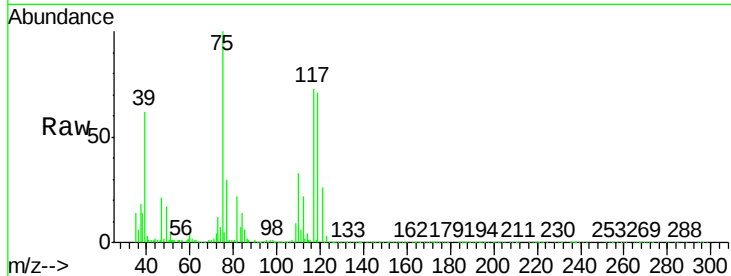




#29
 1,1-Dichloropropene
 Concen: 19.95 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

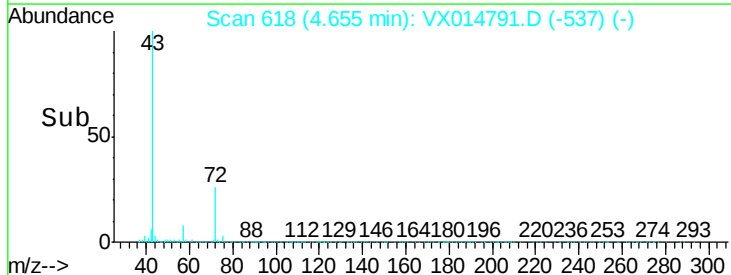
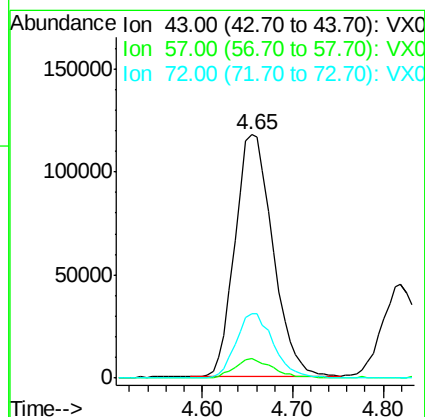
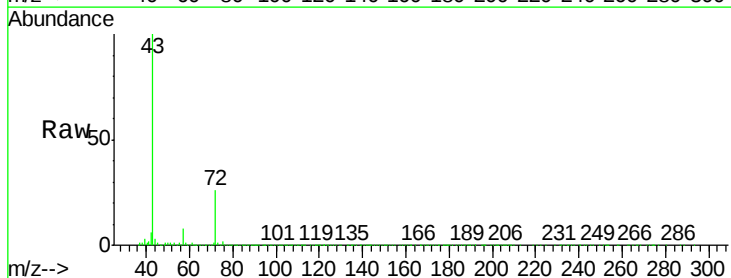
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

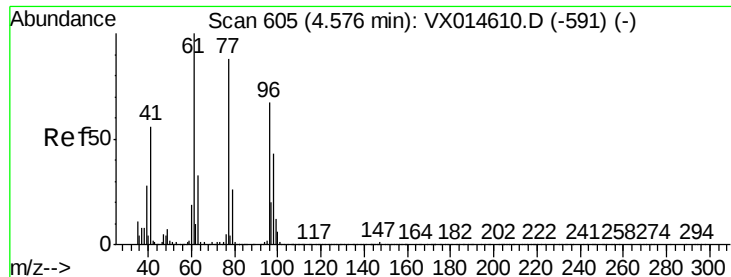
Tgt Ion:	75	Resp:	117940
Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	73.8
77	30.5	0.0	62.4



#30
 2-Butanone
 Concen: 91.49 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion:	43	Resp:	342652
Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.2
72	25.6	20.3	30.5





#31

2,2-Dichloropropane

Concen: 20.63 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

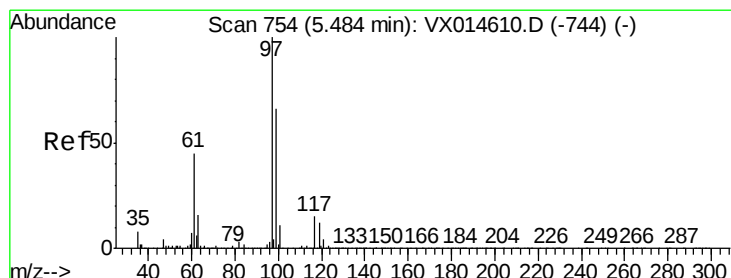
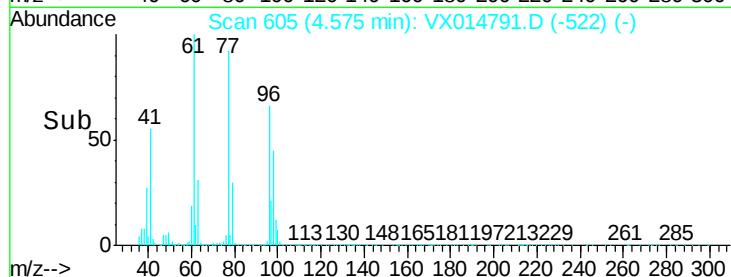
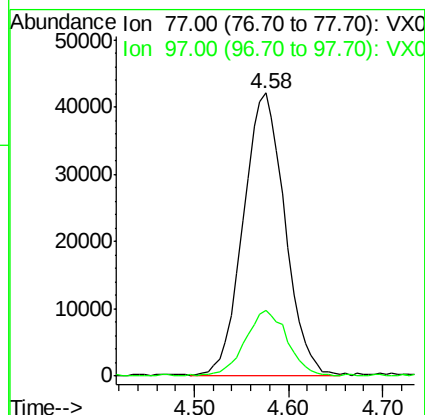
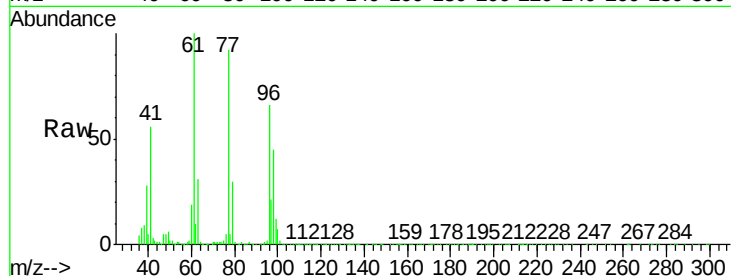
VSTDCCC020

Tgt Ion: 77 Resp: 130487

Ion Ratio Lower Upper

77 100

97 23.2 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 19.88 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

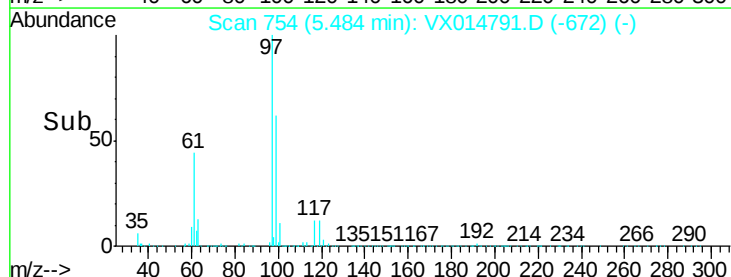
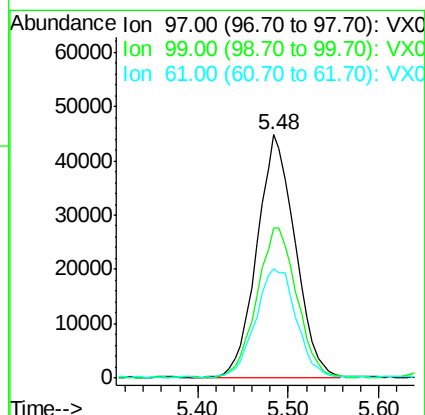
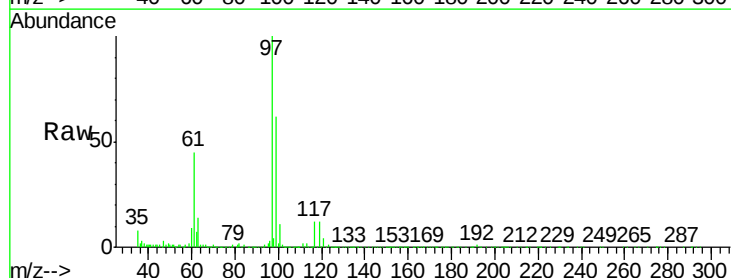
Tgt Ion: 97 Resp: 130024

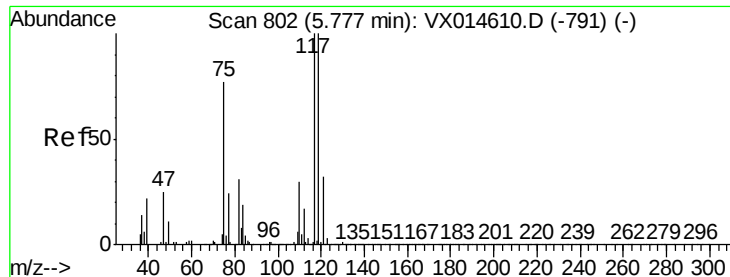
Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 47.6 36.8 55.2





#33

Carbon Tetrachloride

Concen: 19.78 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

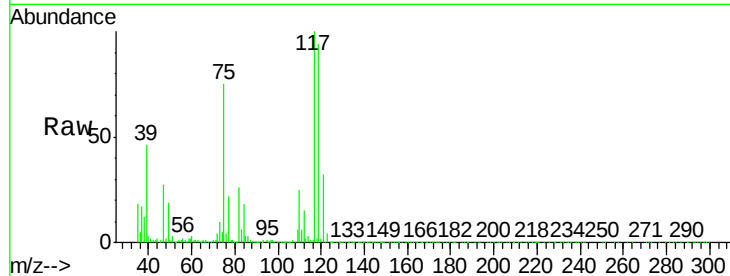
Tgt Ion: 117 Resp: 111064

Ion Ratio Lower Upper

117 100

119 94.3 77.2 115.8

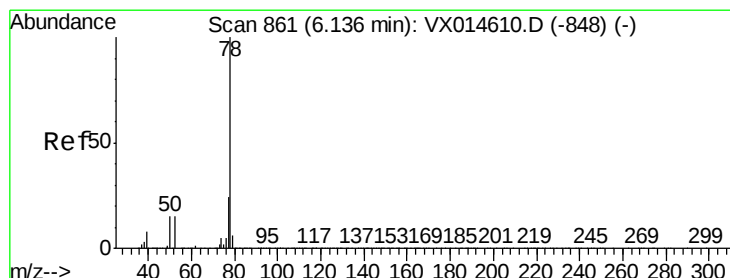
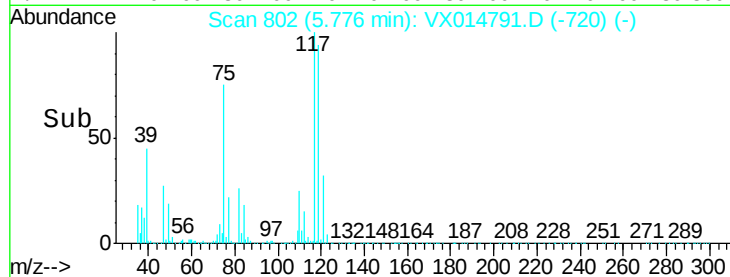
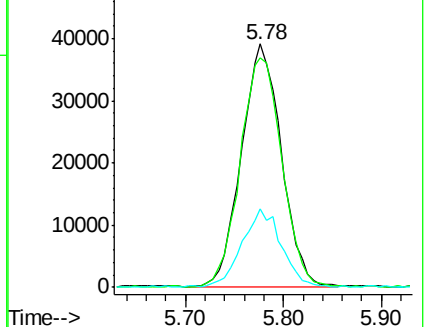
121 31.8 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.76 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

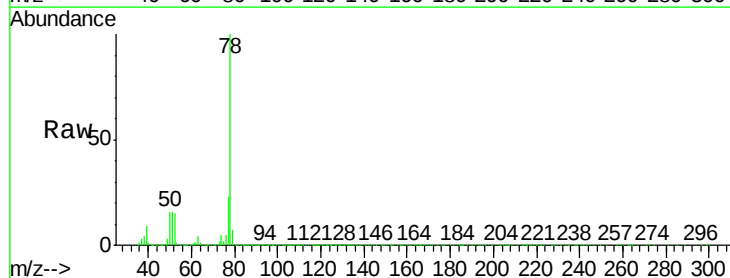
Tgt Ion: 78 Resp: 361065

Ion Ratio Lower Upper

78 100

77 22.9 18.2 27.2

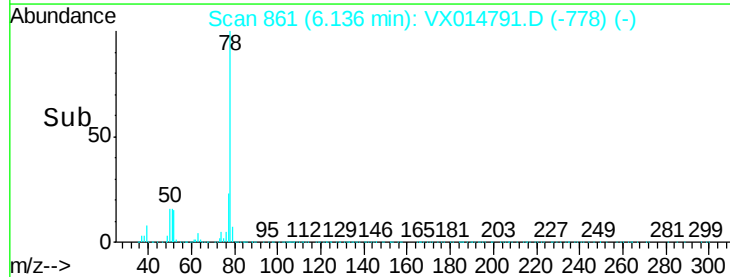
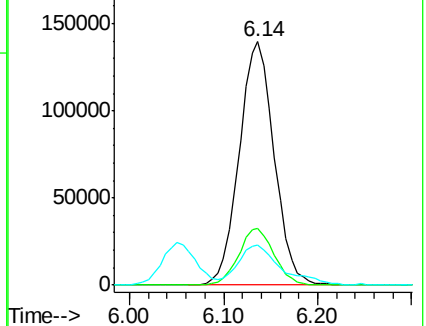
51 15.8 12.4 18.6

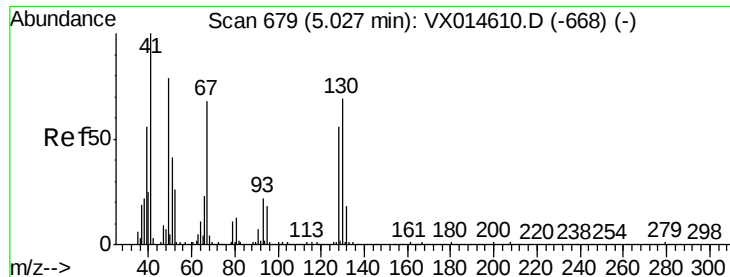


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

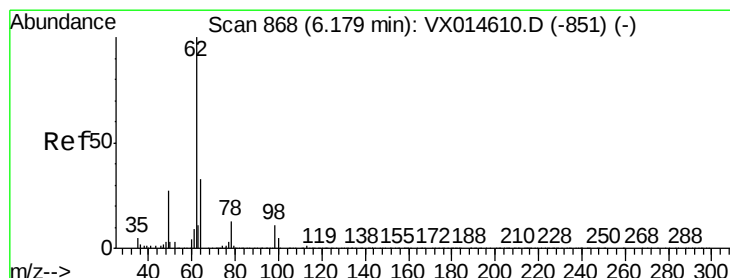
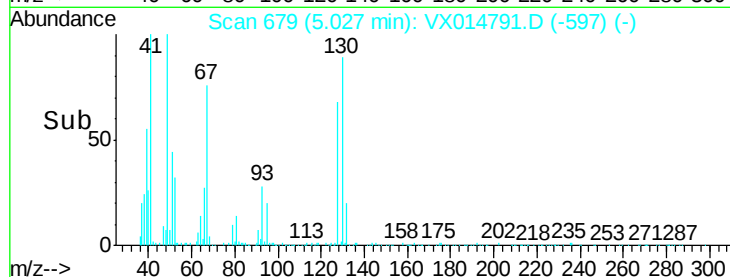
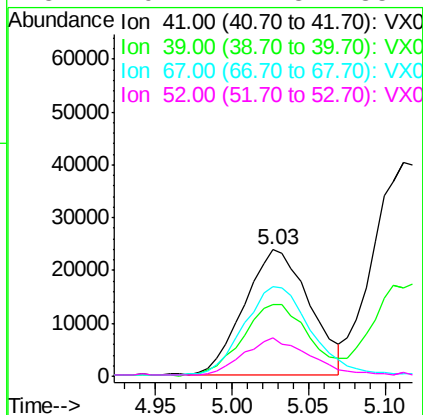
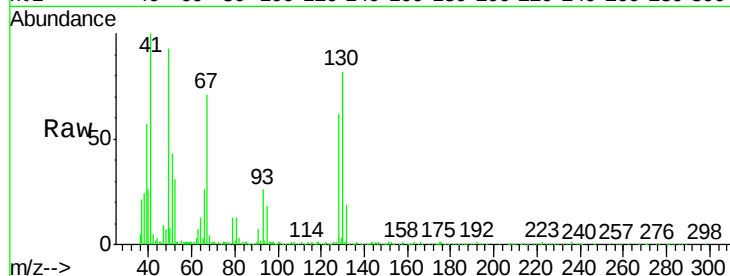




#35
Methacrylonitrile
Concen: 18.68 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

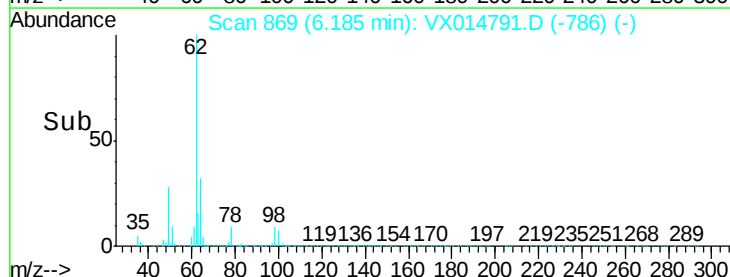
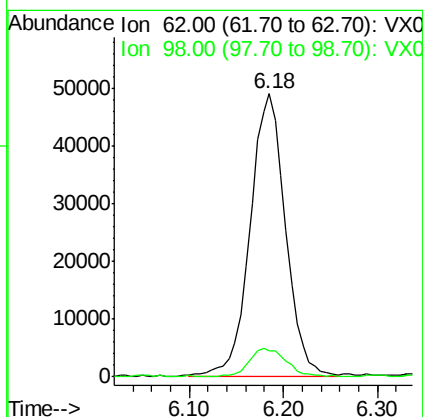
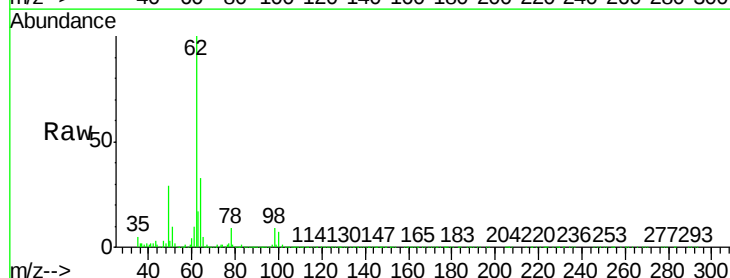
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

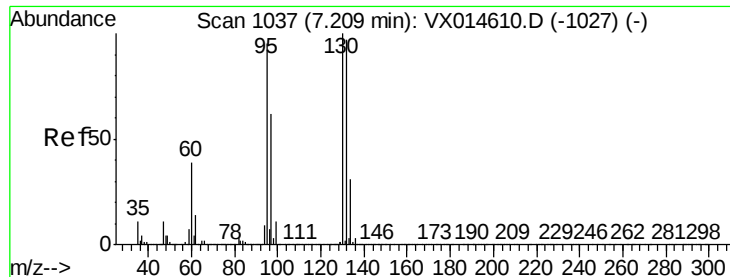
Tgt Ion:	41	Resp:	69883
Ion	Ratio	Lower	Upper
41	100		
39	55.7	26.7	80.1
67	70.6	31.5	94.5
52	29.7	12.8	38.4



#36
1,2-Dichloroethane
Concen: 20.24 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion:	62	Resp:	128685
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.4	12.6





#37

Trichloroethene

Concen: 19.18 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

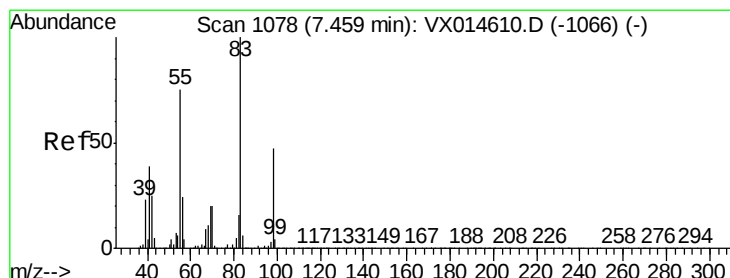
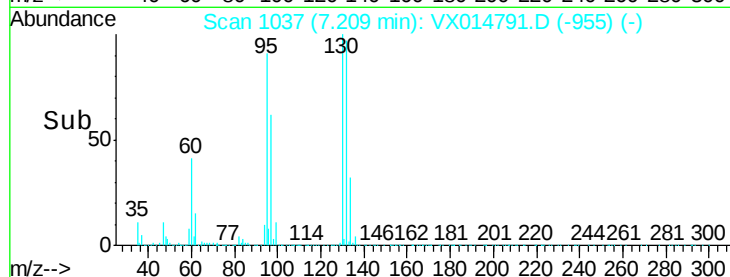
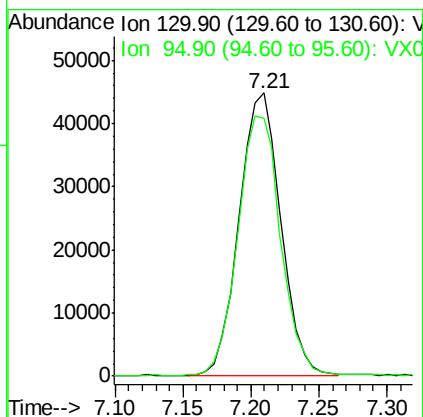
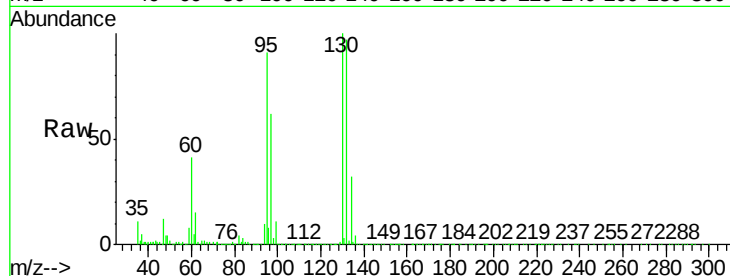
Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:130 Resp: 95935

Ion	Ratio	Lower	Upper
130	100		
95	90.7	71.7	107.5



#38

Methylcyclohexane

Concen: 19.24 ug/l

RT: 7.46 min Scan# 1078

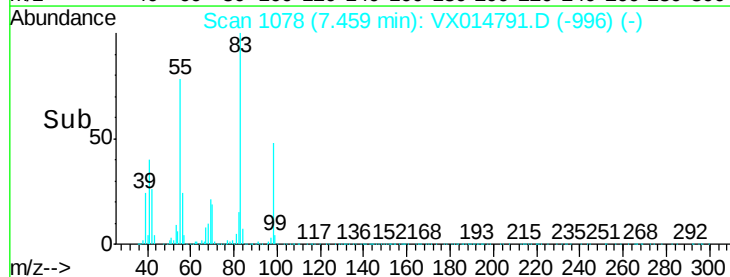
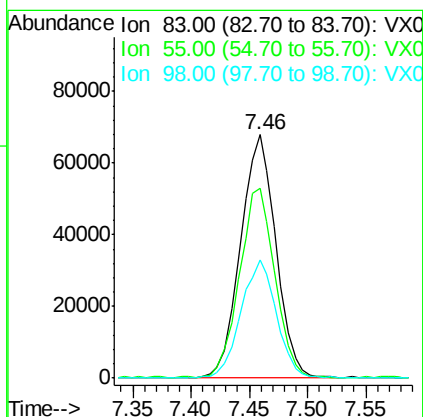
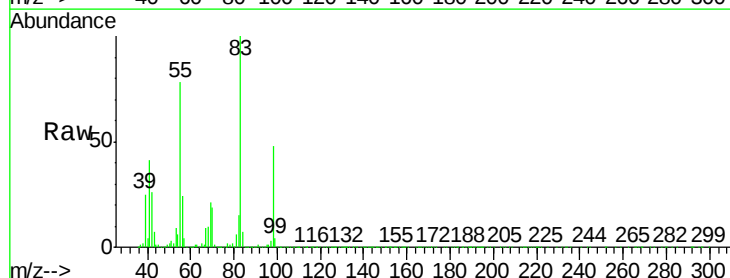
Delta R.T. 0.00 min

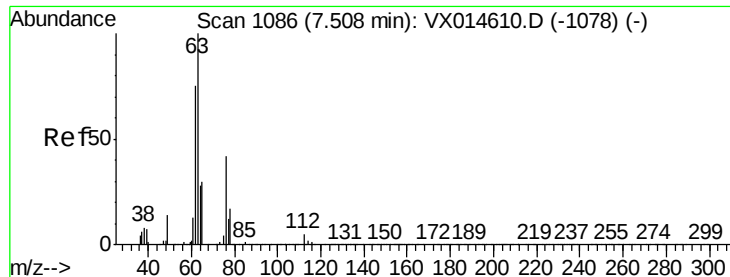
Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion: 83 Resp: 141639

Ion	Ratio	Lower	Upper
83	100		
55	78.5	39.4	118.1
98	49.3	25.1	75.3





#39

1,2-Dichloropropane

Concen: 19.85 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

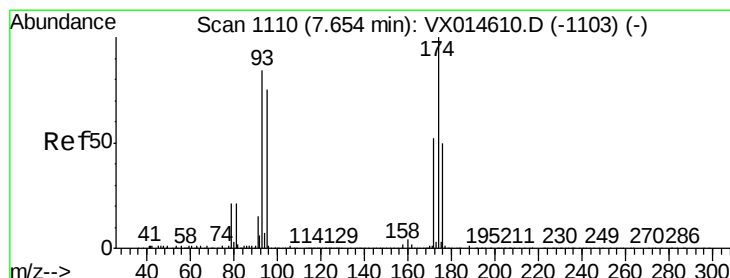
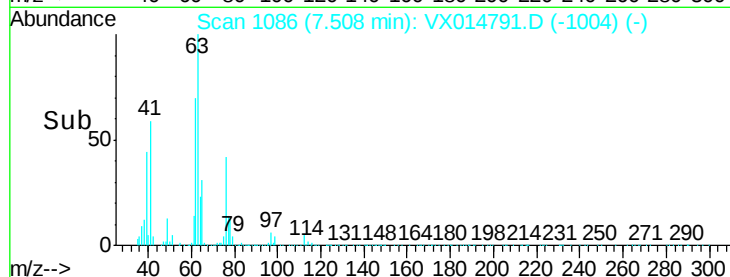
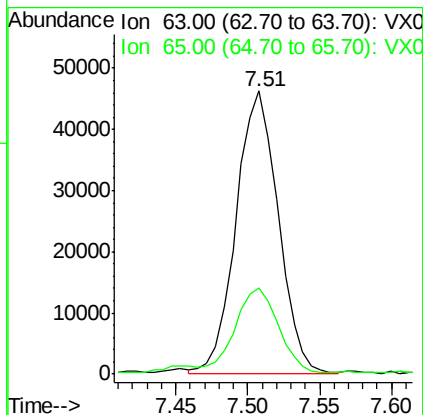
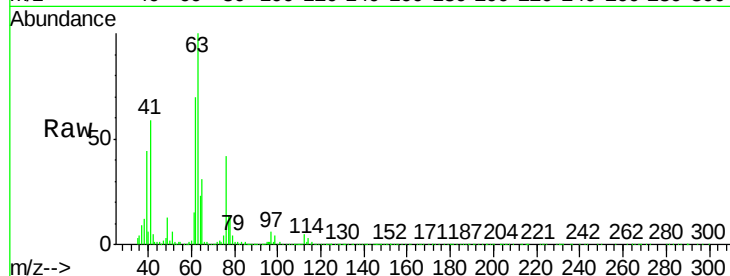
VSTDCCC020

Tgt Ion: 63 Resp: 94281

Ion Ratio Lower Upper

63 100

65 30.2 22.1 33.1



#40

Dibromomethane

Concen: 19.70 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

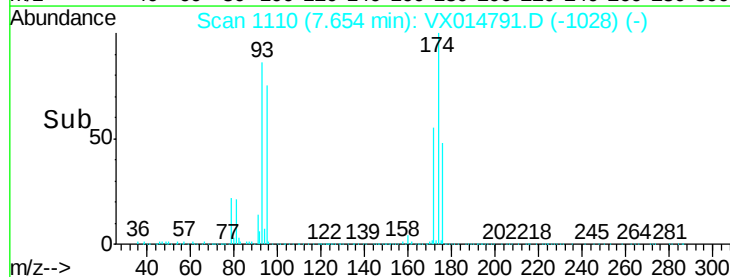
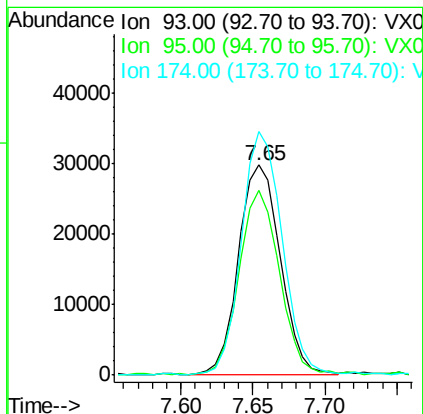
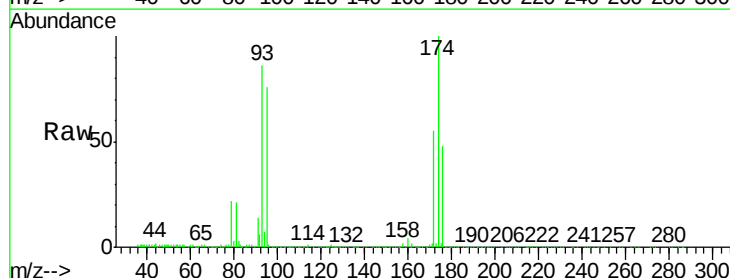
Tgt Ion: 93 Resp: 60153

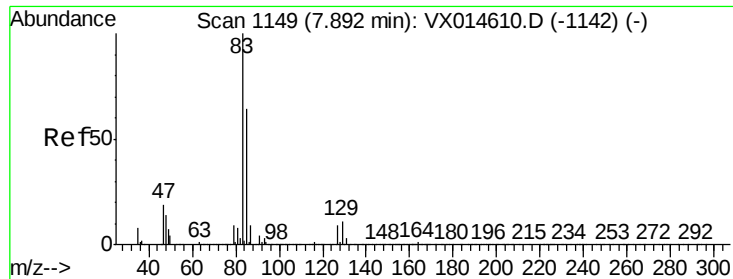
Ion Ratio Lower Upper

93 100

95 84.0 0.0 164.4

174 112.9 0.0 228.8





#41

Bromodichloromethane

Concen: 19.85 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

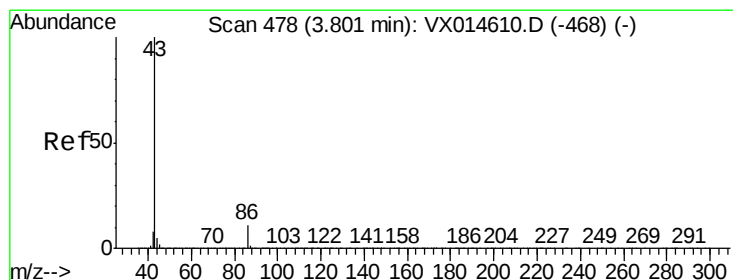
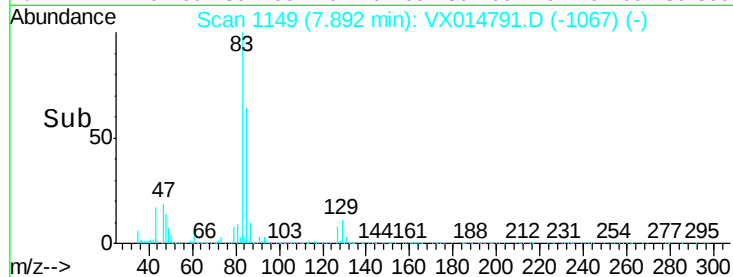
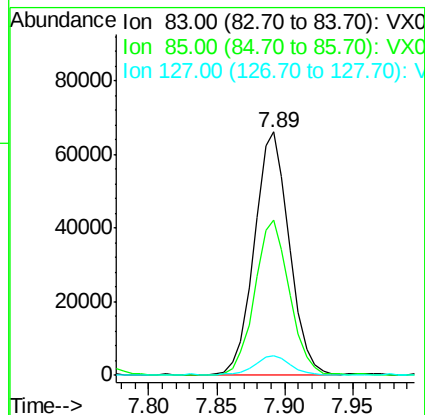
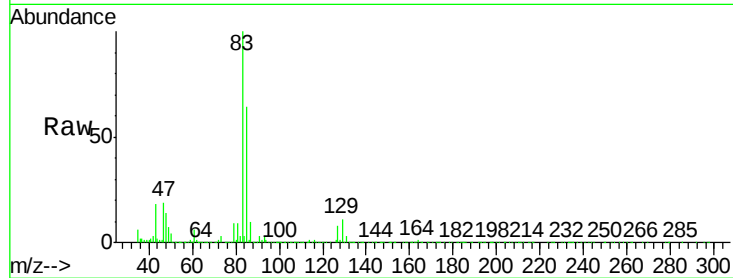
Tgt Ion: 83 Resp: 118655

Ion Ratio Lower Upper

83 100

85 63.5 51.6 77.4

127 7.8 6.0 9.0



#42

Vinyl Acetate

Concen: 101.34 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014791.D

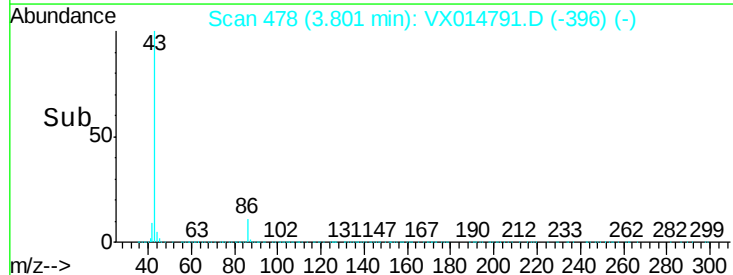
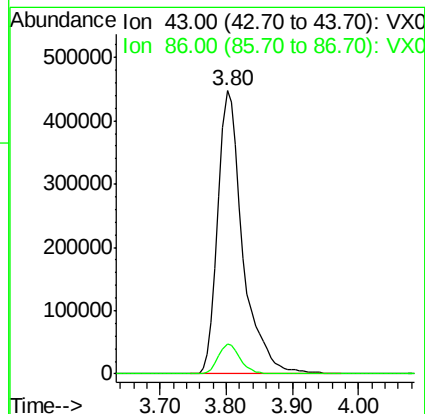
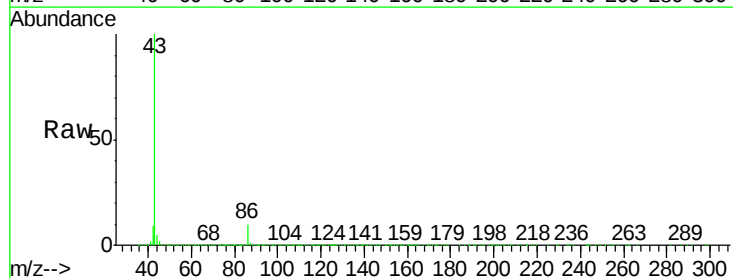
Acq: 03 Feb 2020 12:28

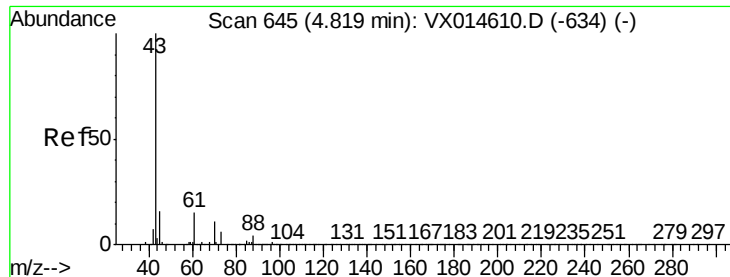
Tgt Ion: 43 Resp: 1169781

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5

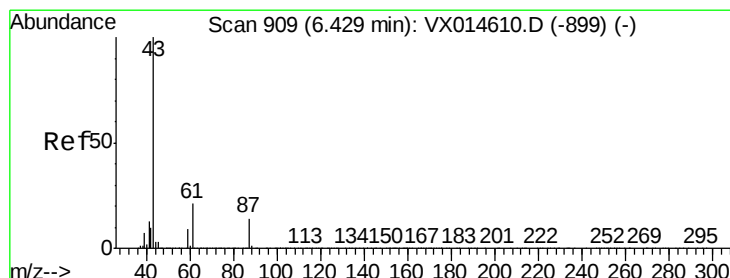
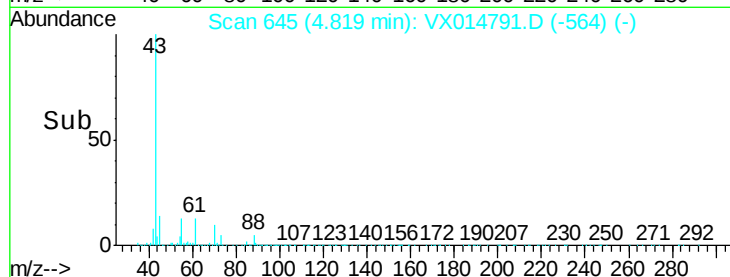
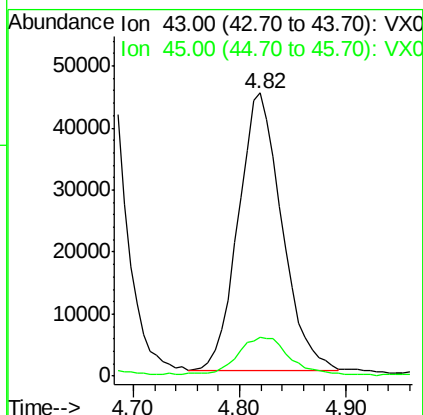
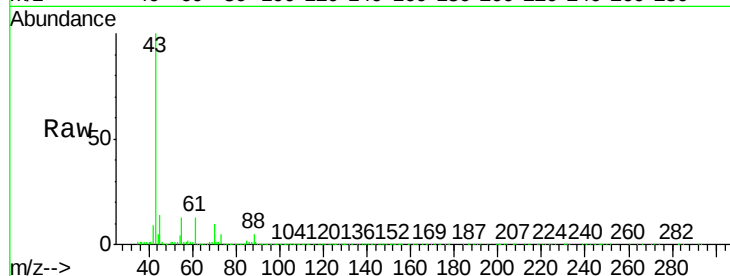




#43
Ethyl Acetate
Concen: 18.89 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

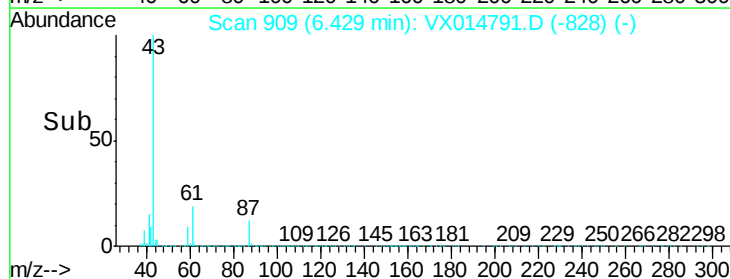
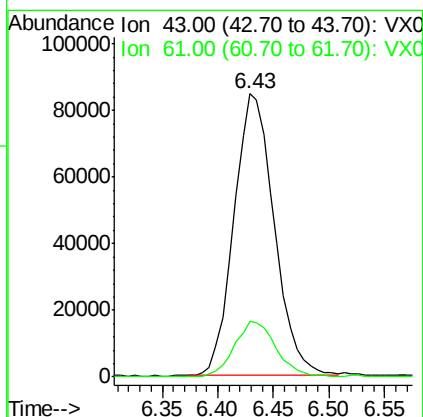
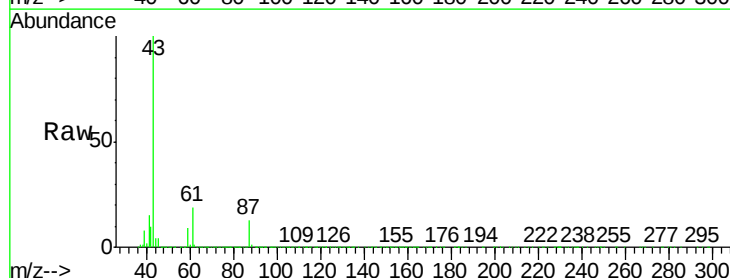
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

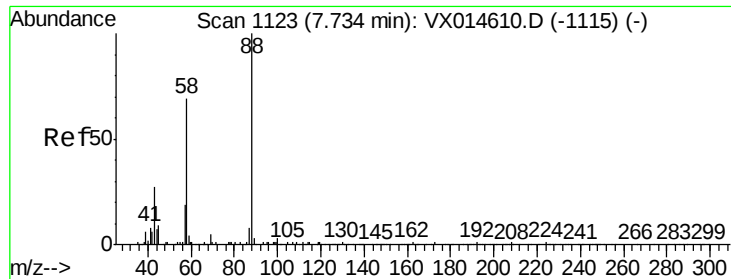
Tgt Ion: 43 Resp: 128099
Ion Ratio Lower Upper
43 100
45 16.0 11.8 17.8



#44
Isopropyl Acetate
Concen: 19.52 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 43 Resp: 213527
Ion Ratio Lower Upper
43 100
61 19.6 15.9 23.9

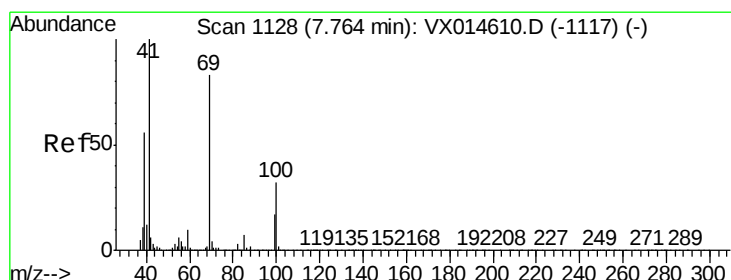
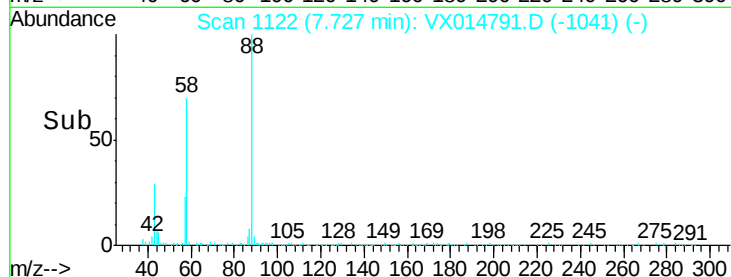
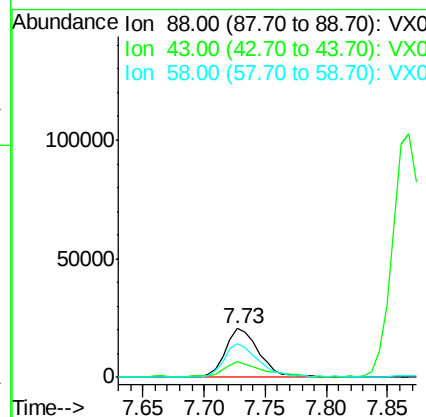
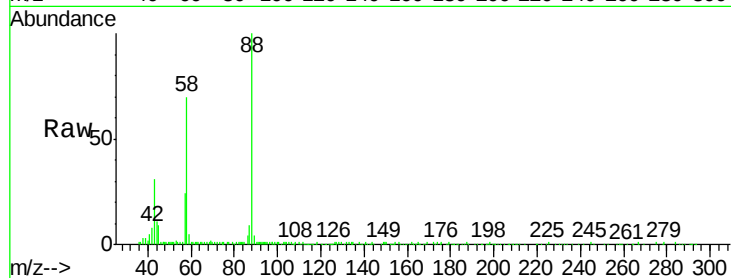




#45
1,4-Dioxane
Concen: 357.27 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

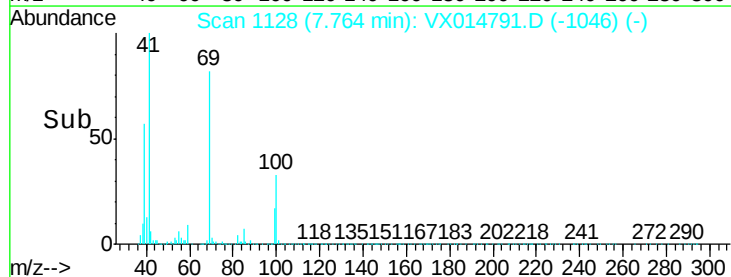
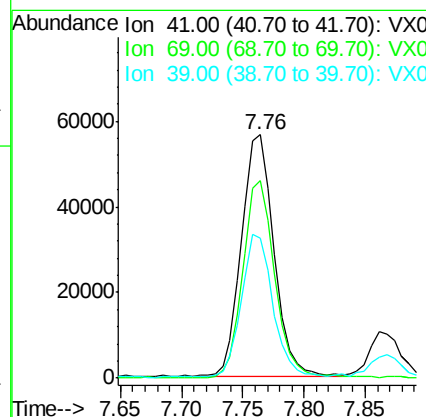
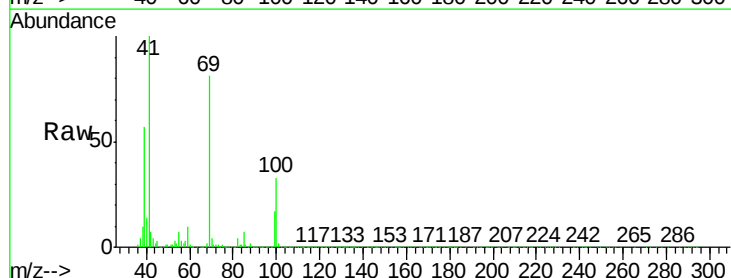
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

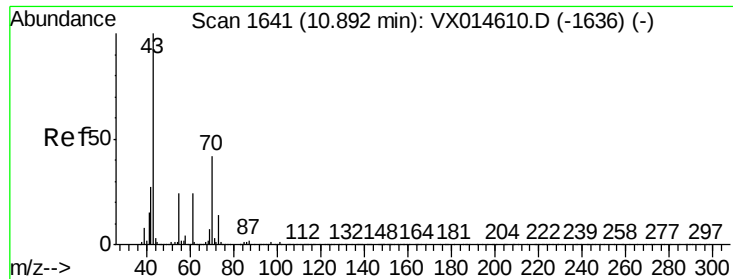
Tgt Ion: 88 Resp: 39087
Ion Ratio Lower Upper
88 100
43 33.2 25.4 38.2
58 70.4 56.5 84.7



#46
Methyl methacrylate
Concen: 19.46 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 41 Resp: 104680
Ion Ratio Lower Upper
41 100
69 81.8 40.6 122.0
39 57.4 27.8 83.3





#47

n-amy1 Acetate

Concen: 20.59 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

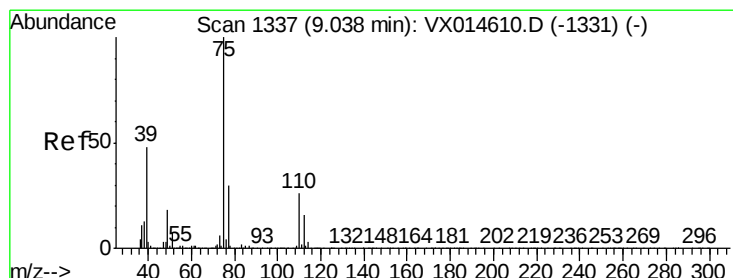
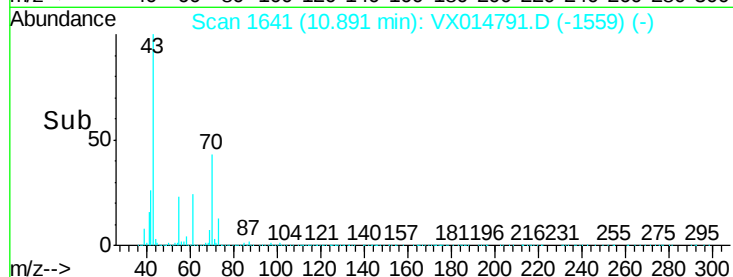
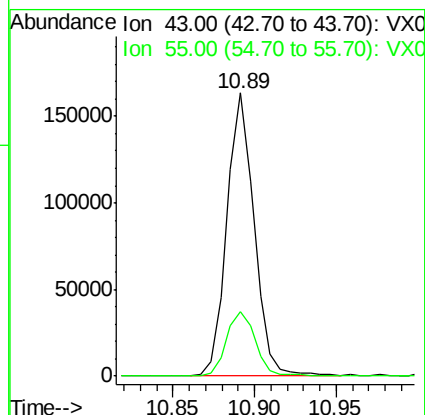
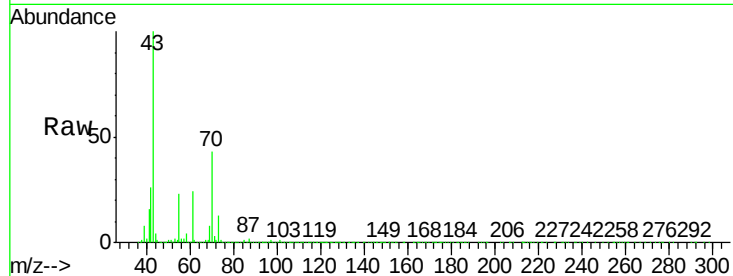
VSTDCCC020

Tgt Ion: 43 Resp: 188730

Ion Ratio Lower Upper

43 100

55 24.3 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 20.17 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014791.D

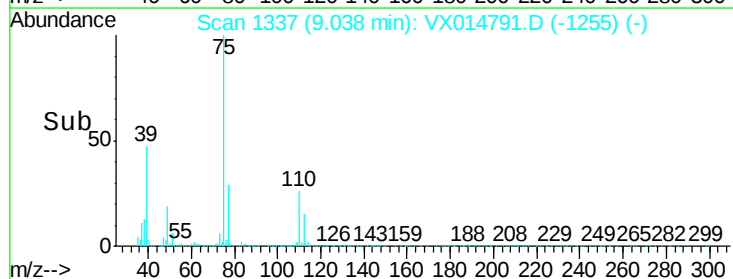
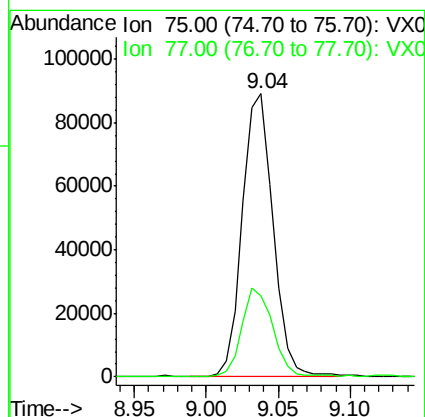
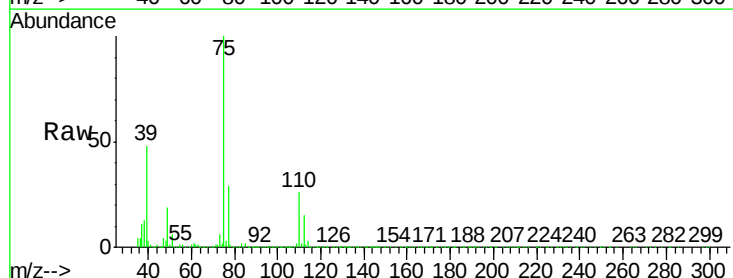
Acq: 03 Feb 2020 12:28

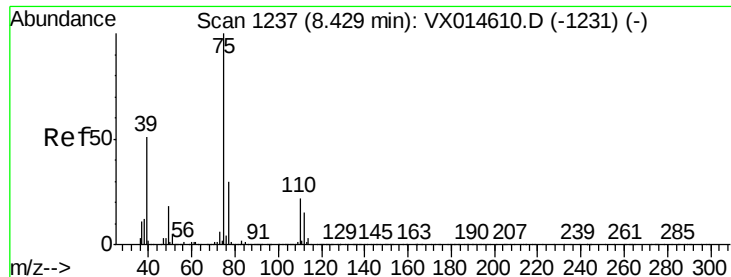
Tgt Ion: 75 Resp: 131635

Ion Ratio Lower Upper

75 100

77 28.5 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.96 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

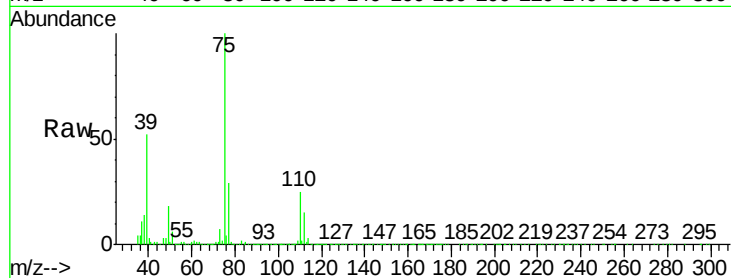
Tgt Ion: 75 Resp: 146825

Ion Ratio Lower Upper

75 100

77 29.3 24.8 37.2

39 52.2 41.1 61.7

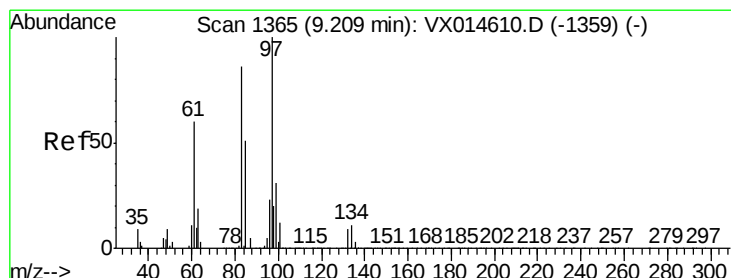
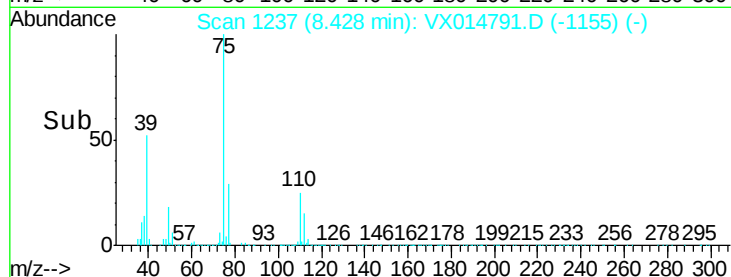
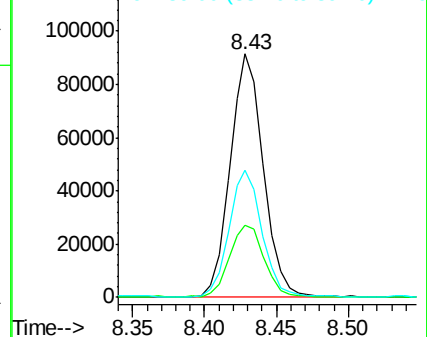


Abundance

Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

1,1,2-Trichloroethane

Concen: 19.67 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion: 97 Resp: 91365

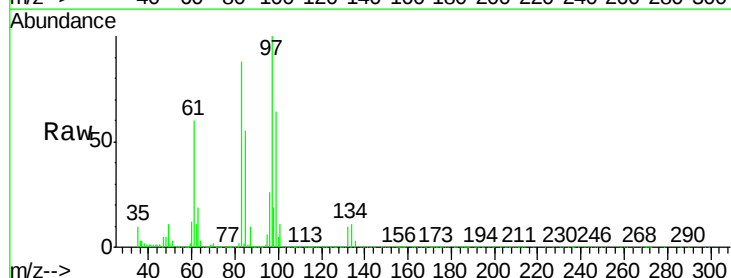
Ion Ratio Lower Upper

97 100

83 88.8 68.1 102.1

85 54.5 42.7 64.1

99 63.9 50.3 75.5



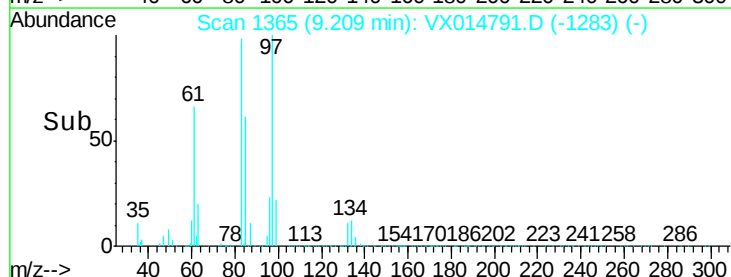
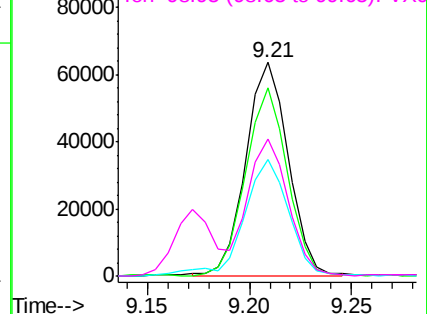
Abundance

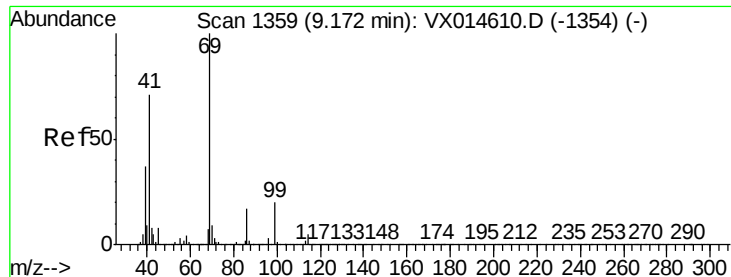
Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 19.29 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

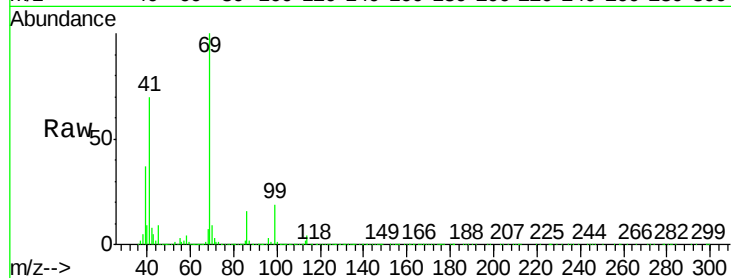
Tgt Ion: 69 Resp: 139555

Ion Ratio Lower Upper

69 100

41 69.9 35.4 106.1

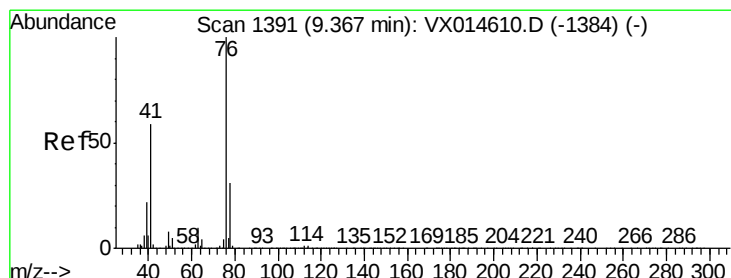
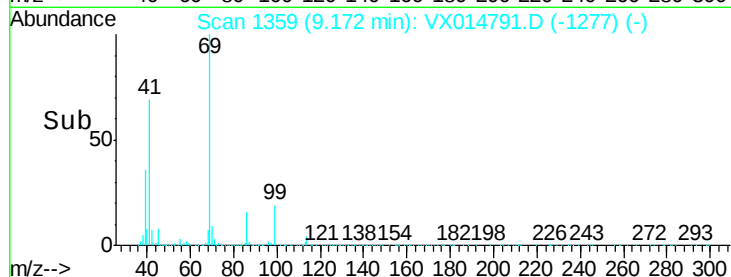
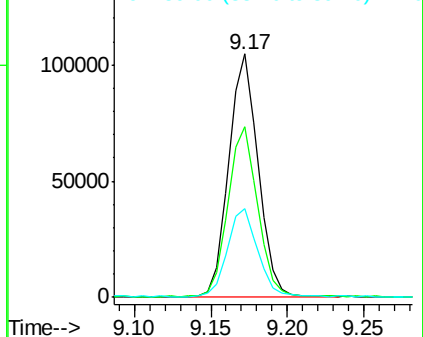
39 36.4 17.8 53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.79 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014791.D

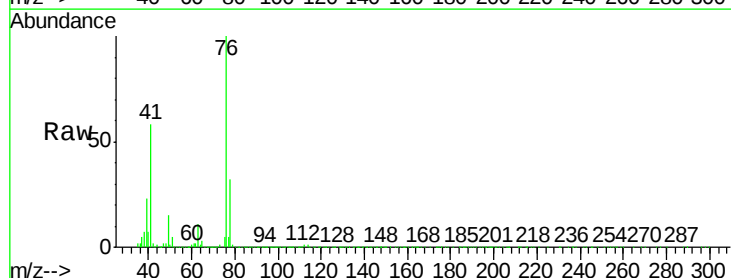
Acq: 03 Feb 2020 12:28

Tgt Ion: 76 Resp: 155741

Ion Ratio Lower Upper

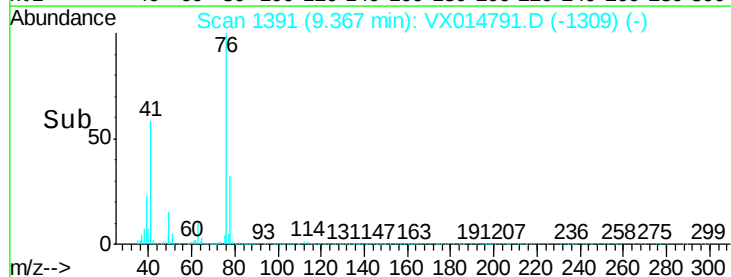
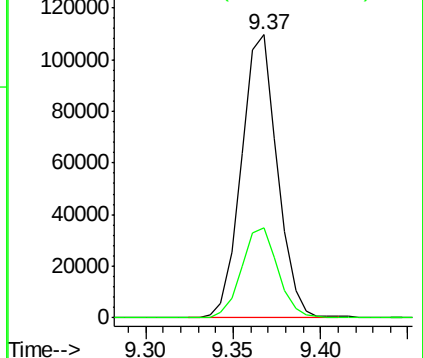
76 100

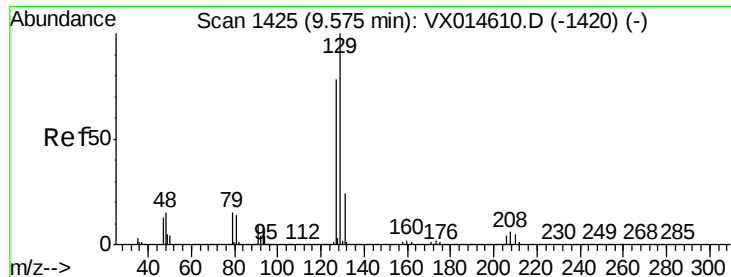
78 32.2 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.90 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

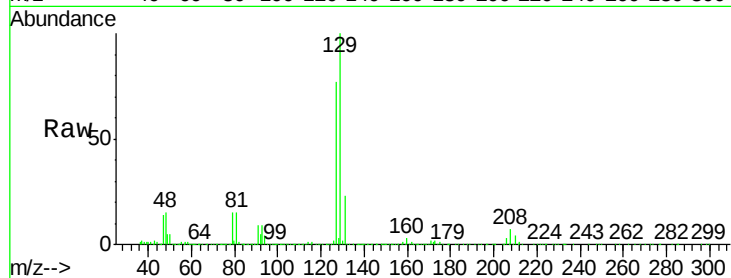
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 94587

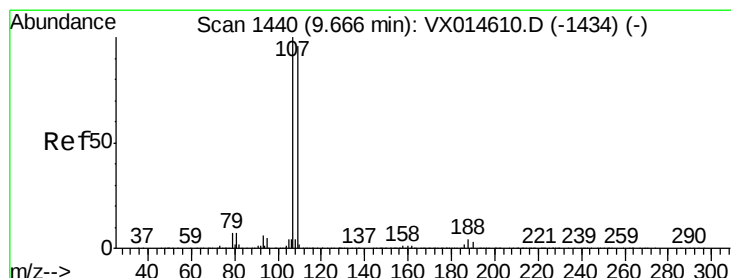
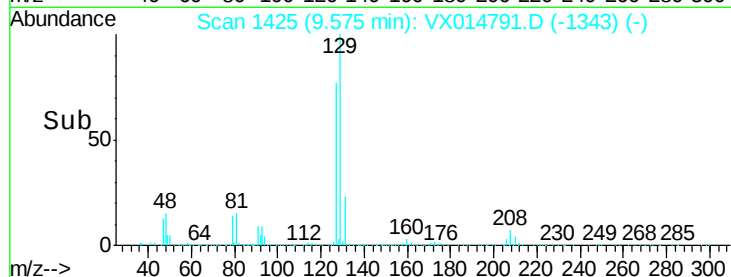
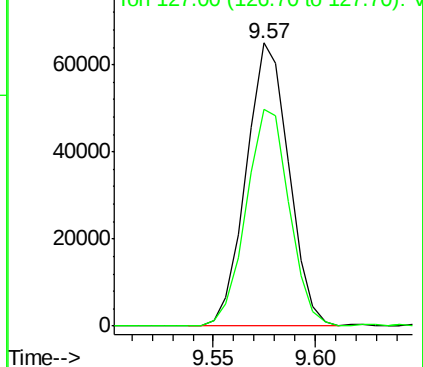
Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.95 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014791.D

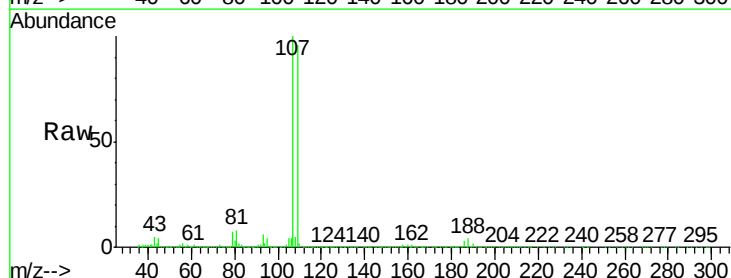
Acq: 03 Feb 2020 12:28

Tgt Ion:107 Resp: 96140

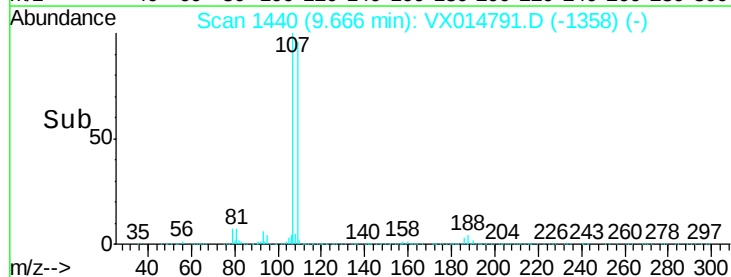
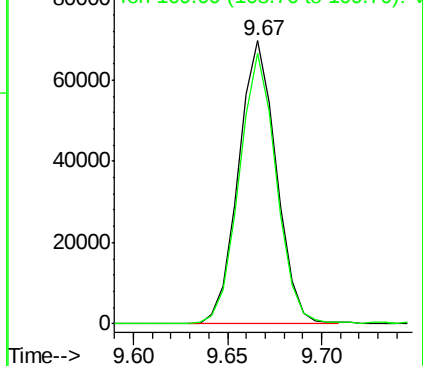
Ion Ratio Lower Upper

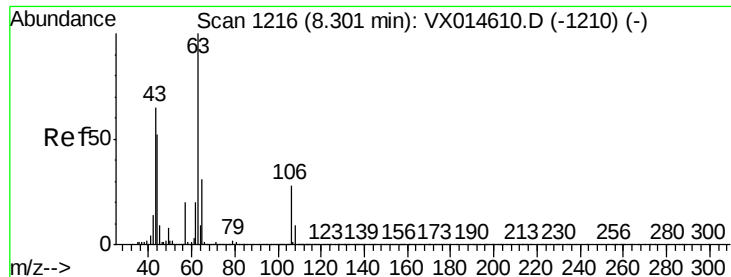
107 100

109 94.3 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

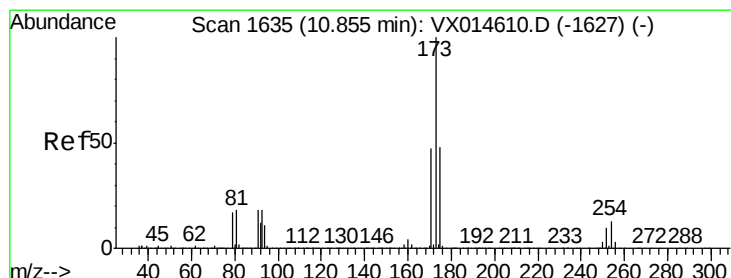
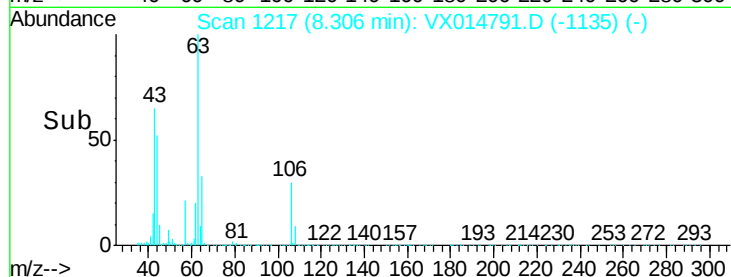
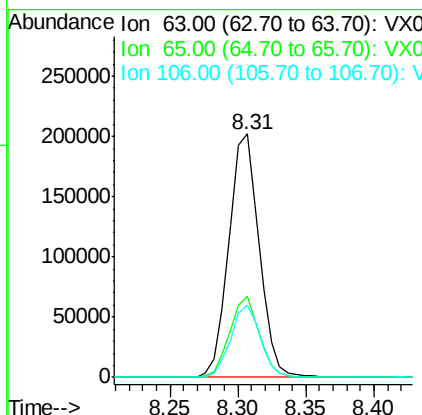
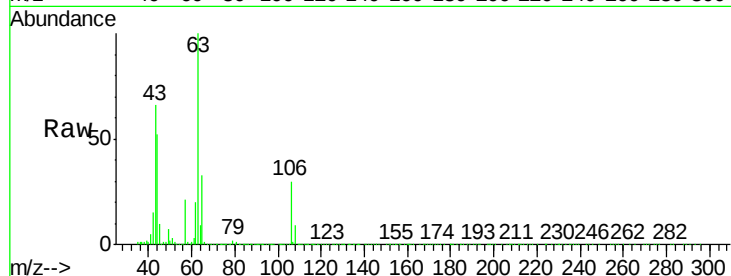




#55
2-Chloroethyl vinyl ether
Concen: 94.07 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

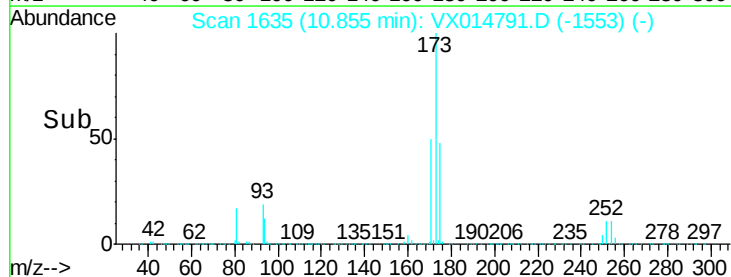
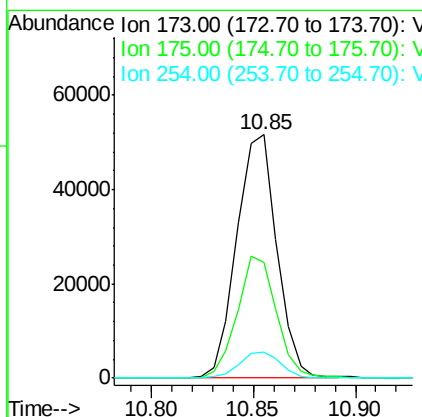
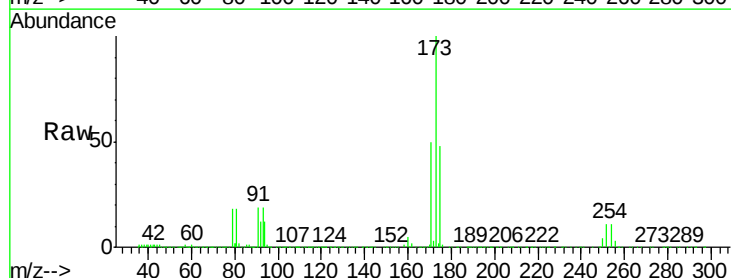
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

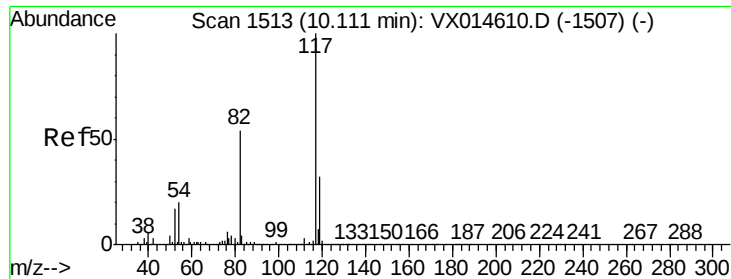
Tgt Ion: 63 Resp: 312743
Ion Ratio Lower Upper
63 100
65 32.3 25.8 38.6
106 29.1 22.9 34.3



#56
Bromoform
Concen: 19.25 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 173 Resp: 70449
Ion Ratio Lower Upper
173 100
175 49.5 39.5 59.3
254 10.9 8.2 12.4

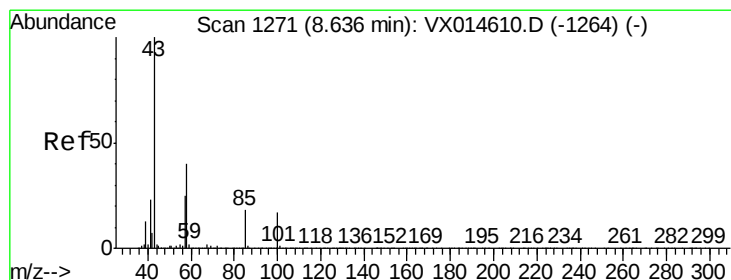
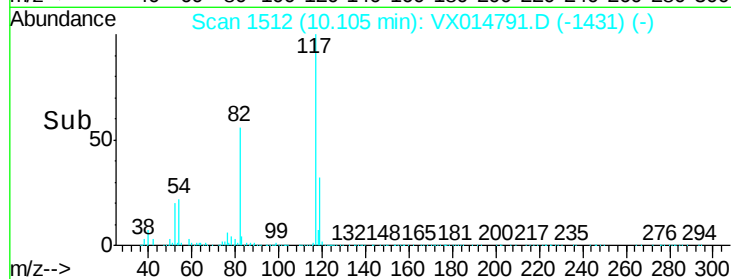
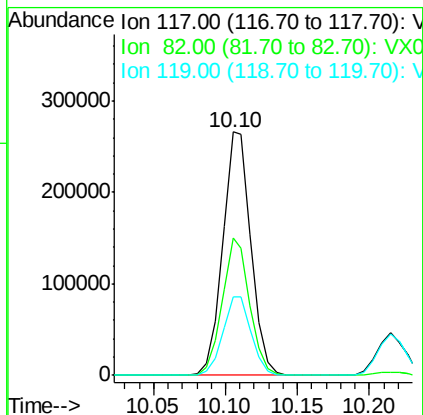
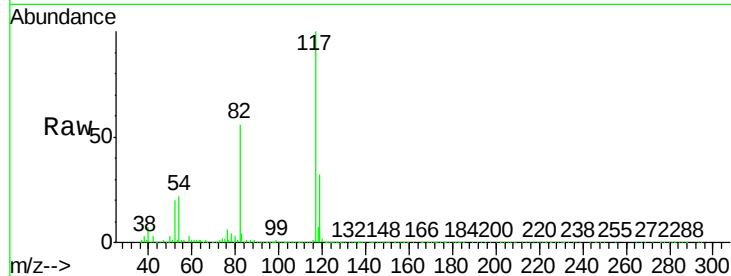




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

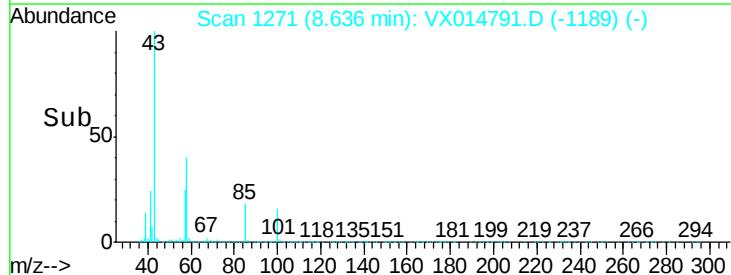
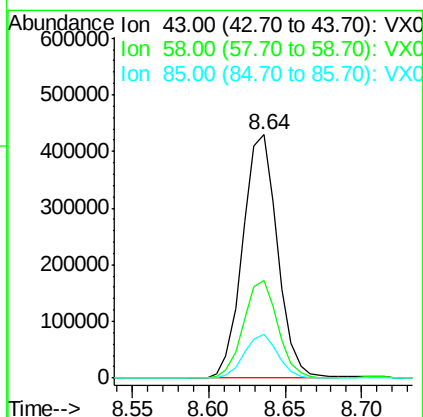
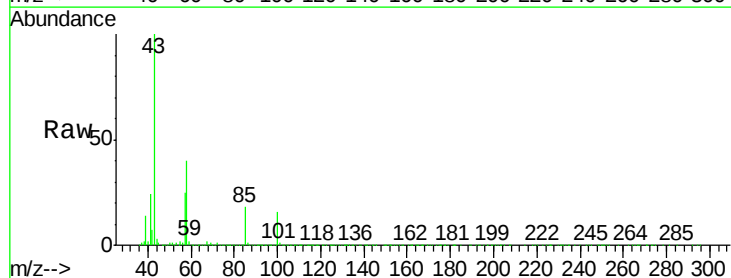
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

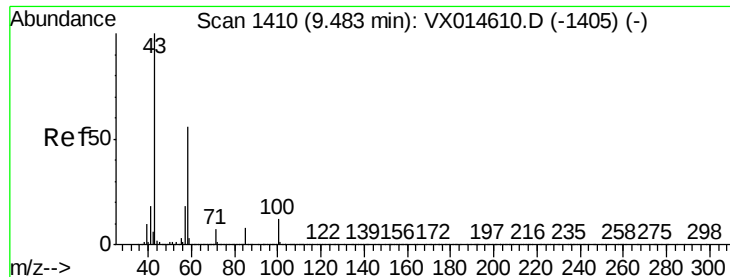
Tgt Ion: 117 Resp: 366264
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.6
119 32.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 98.19 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 43 Resp: 677269
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8
85 17.6 14.2 21.2

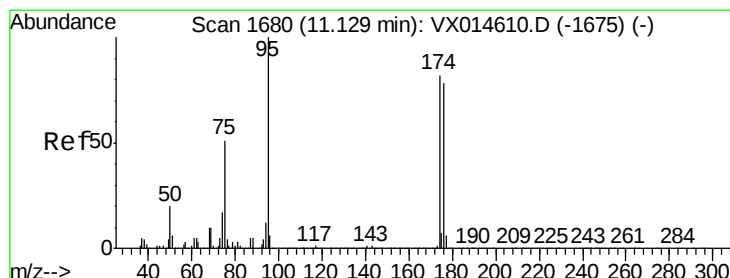
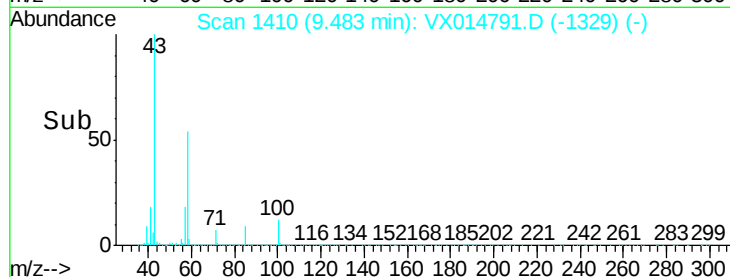
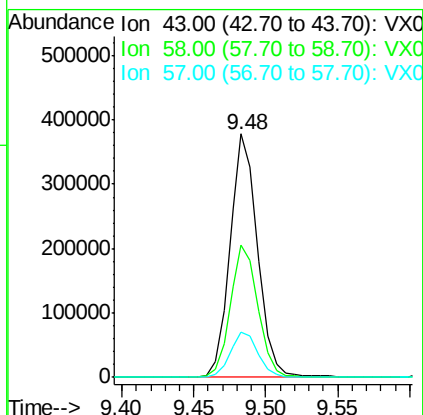
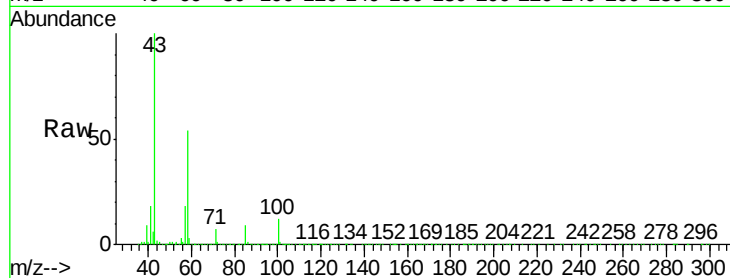




#59
2-Hexanone
Concen: 94.59 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

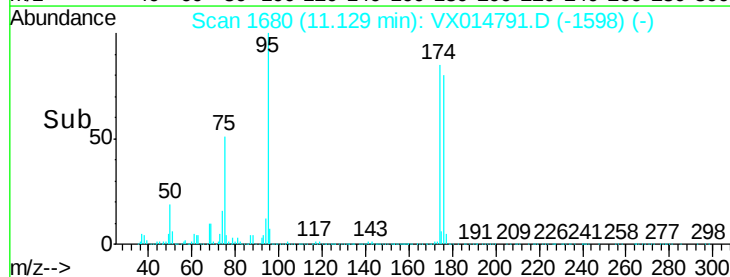
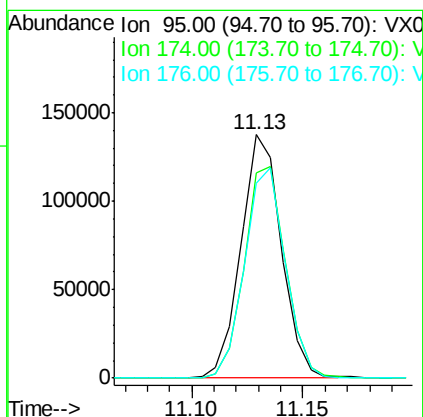
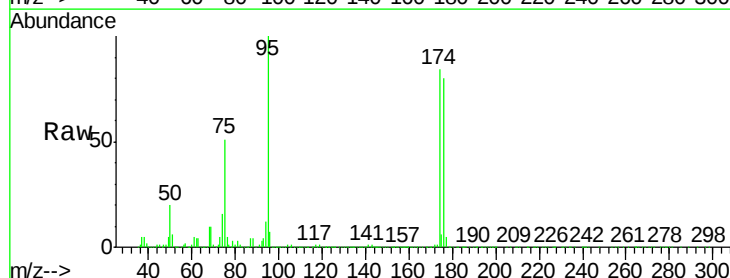
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

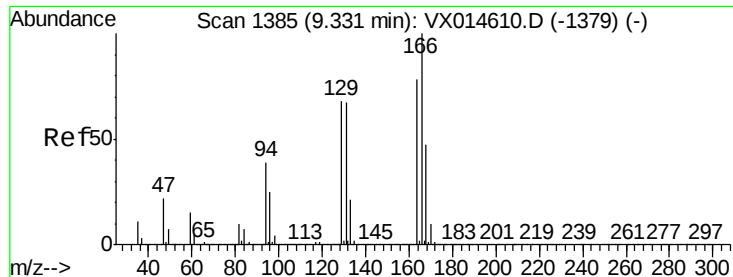
Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.8	65.6
57	18.7	15.4	23.0



#60
4-Bromofluorobenzene
Concen: 29.69 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	70.2	105.2
176	87.4	68.3	102.5





#61

Tetrachloroethene

Concen: 18.15 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 98257

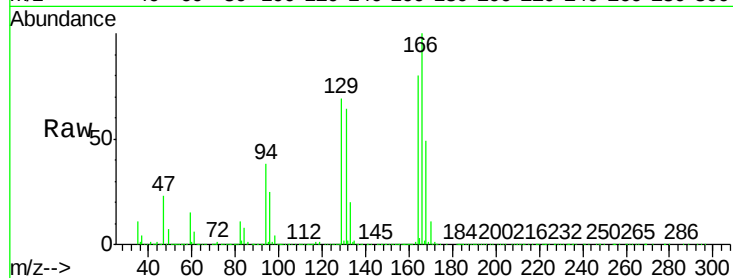
Ion Ratio Lower Upper

164 100

166 125.5 104.2 156.2

129 86.5 71.6 107.4

131 80.4 71.7 107.5

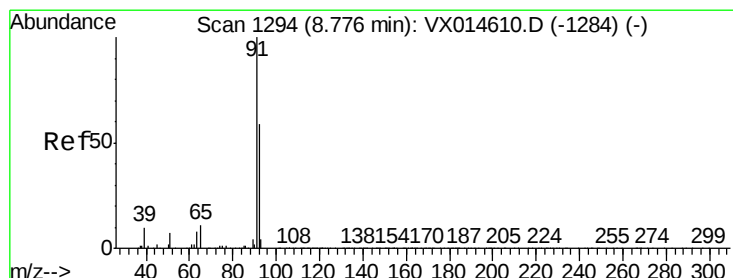
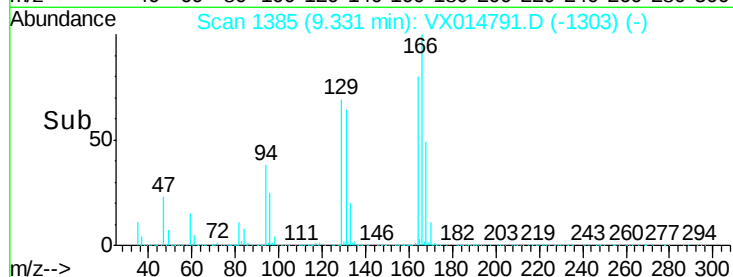
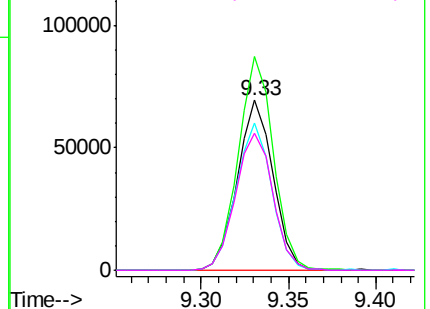


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.90 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014791.D

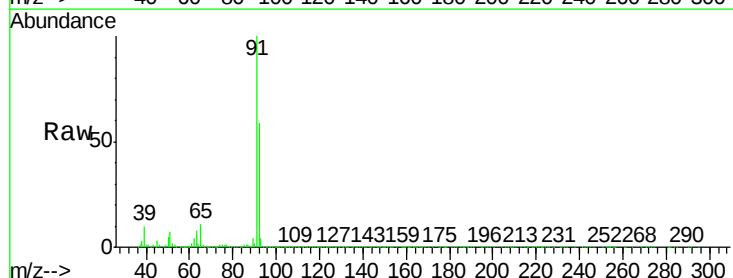
Acq: 03 Feb 2020 12:28

Tgt Ion: 91 Resp: 386747

Ion Ratio Lower Upper

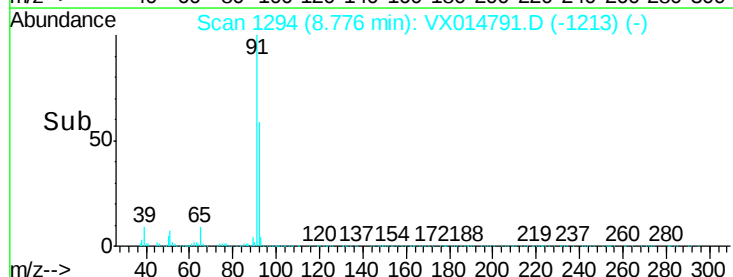
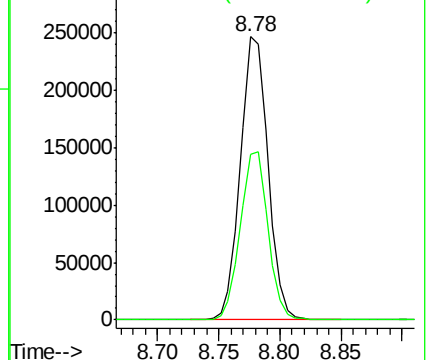
91 100

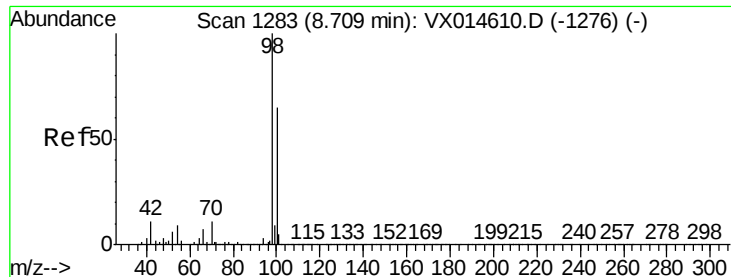
92 59.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.44 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

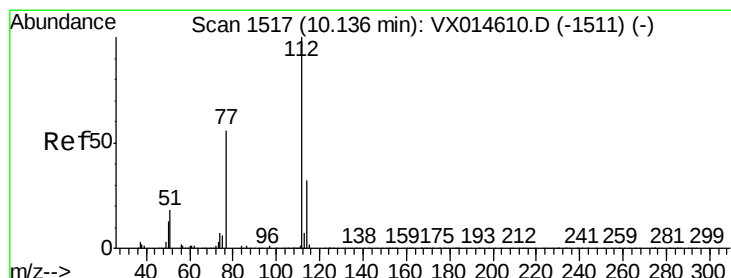
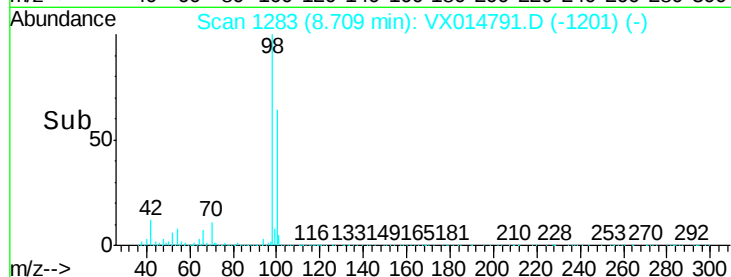
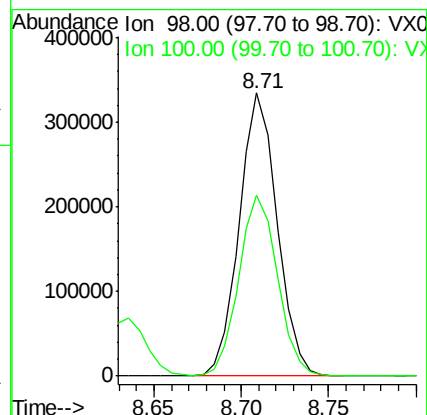
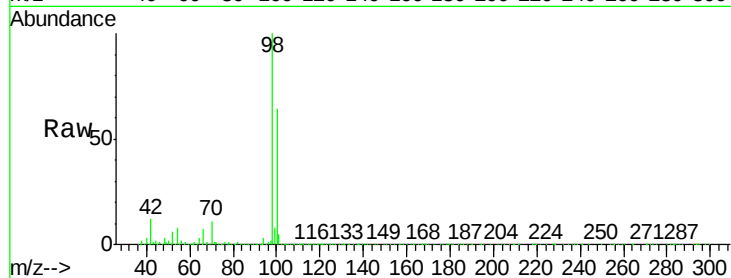
VSTDCCC020

Tgt Ion: 98 Resp: 503629

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#64

Chlorobenzene

Concen: 19.94 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014791.D

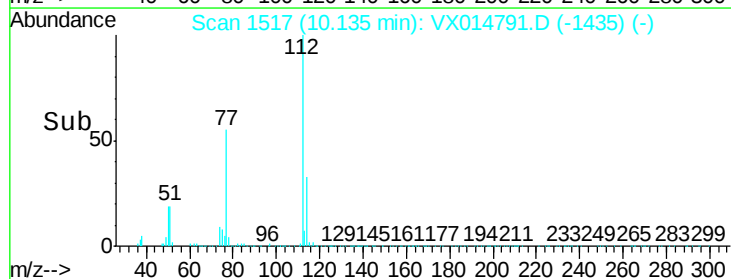
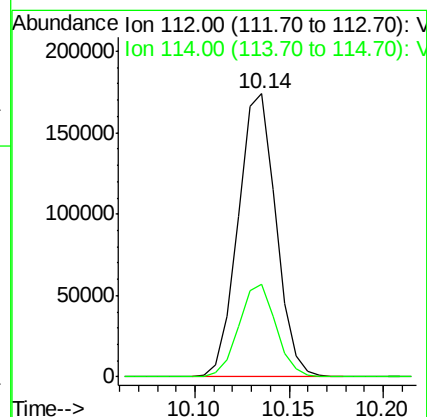
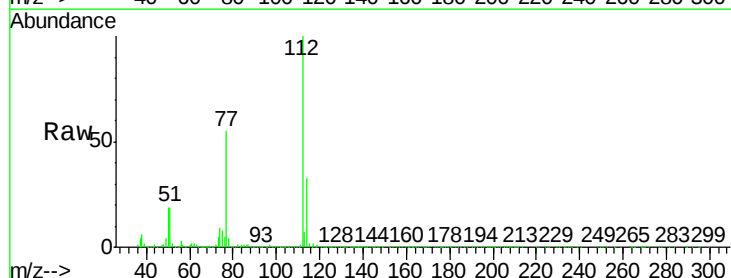
Acq: 03 Feb 2020 12:28

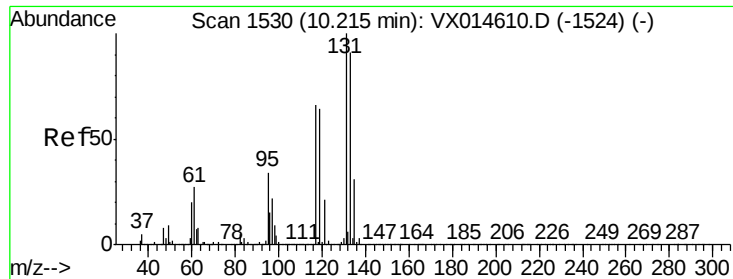
Tgt Ion: 112 Resp: 241867

Ion Ratio Lower Upper

112 100

114 32.9 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.38 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

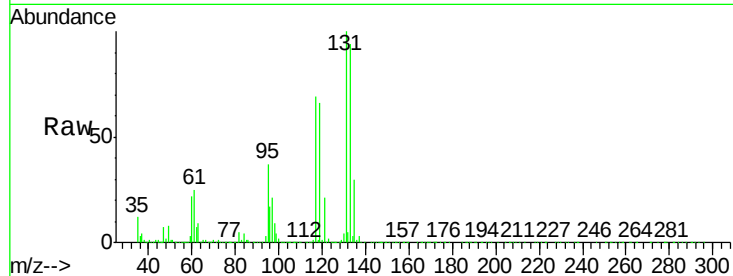
Tgt Ion:131 Resp: 91309

Ion Ratio Lower Upper

131 100

133 95.0 0.0 189.8

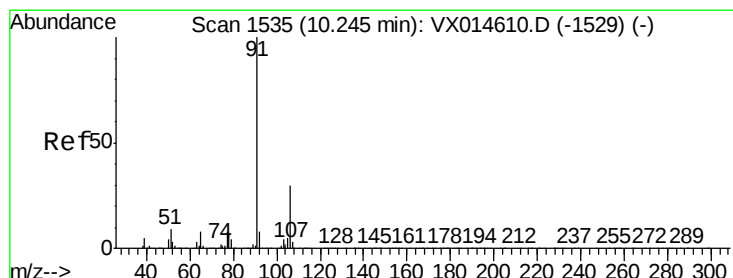
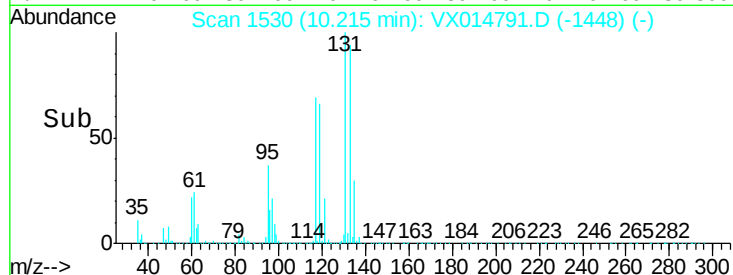
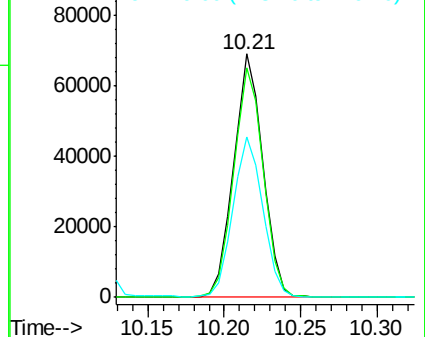
119 66.6 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.70 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014791.D

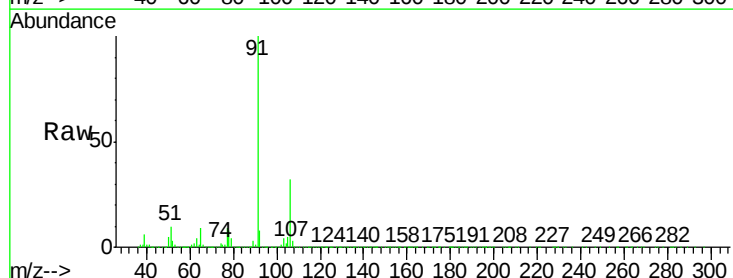
Acq: 03 Feb 2020 12:28

Tgt Ion: 91 Resp: 417019

Ion Ratio Lower Upper

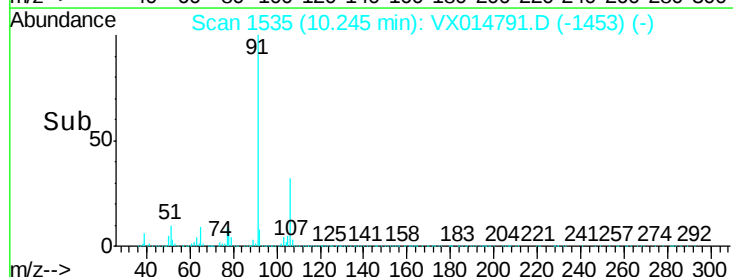
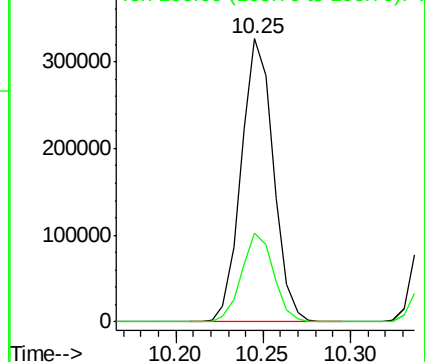
91 100

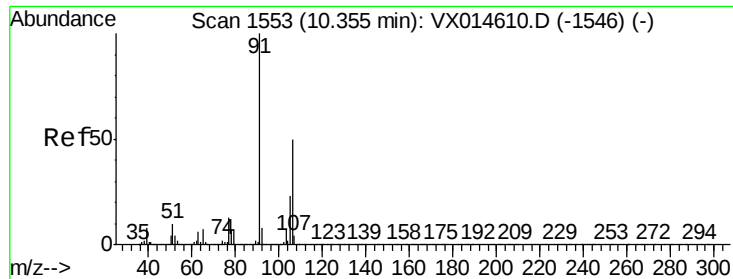
106 31.5 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

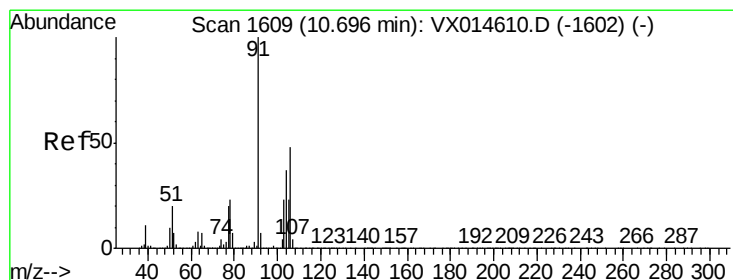
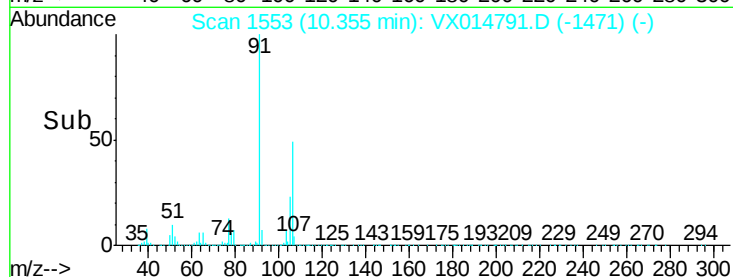
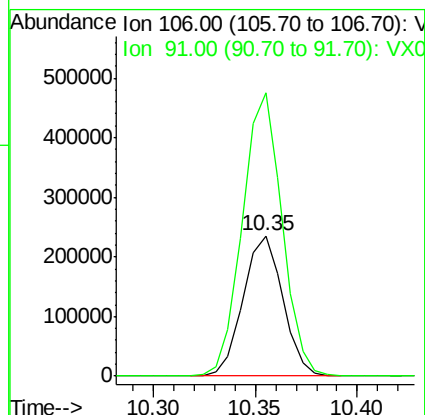
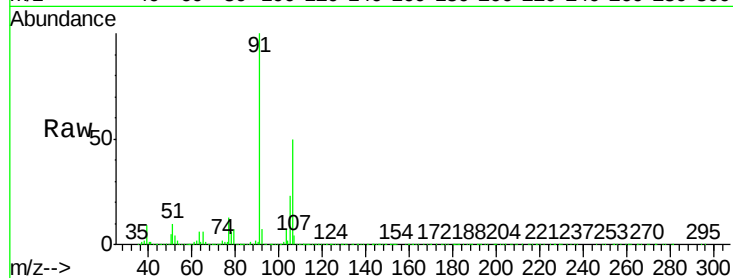




#67
m/p-Xylenes
Concen: 39.00 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

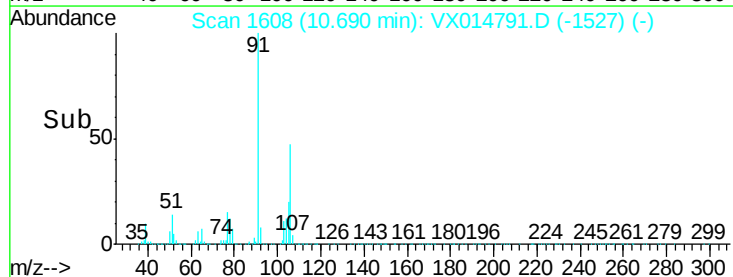
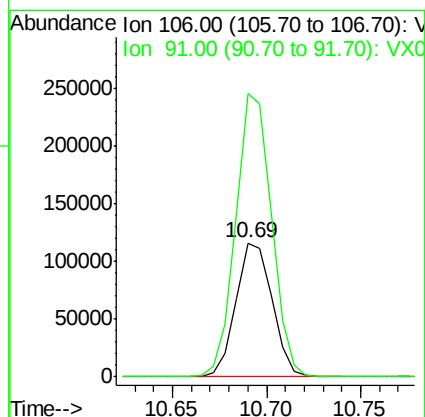
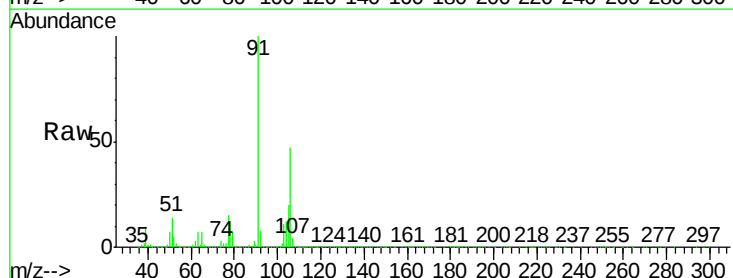
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

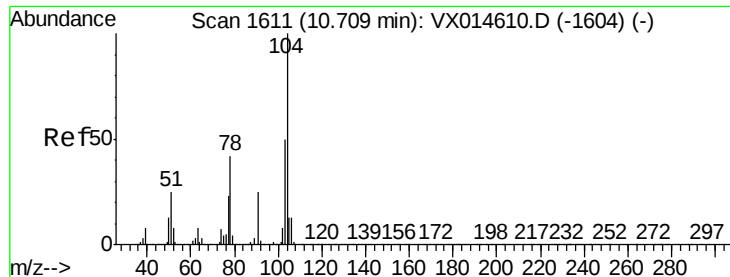
Tgt Ion:106 Resp: 316174
Ion Ratio Lower Upper
106 100
91 202.0 159.3 238.9



#68
o-Xylene
Concen: 19.62 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion:106 Resp: 154864
Ion Ratio Lower Upper
106 100
91 208.8 104.8 314.6





#69

Styrene

Concen: 19.49 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

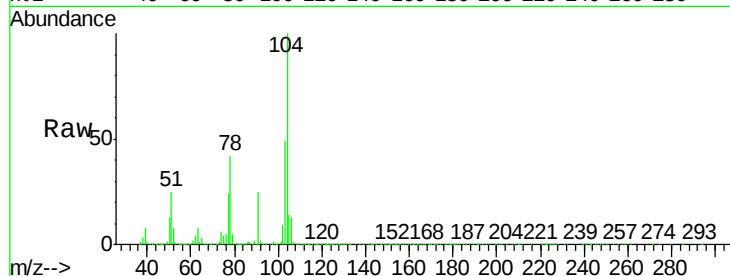
Tgt Ion:104 Resp: 260744

Ion Ratio Lower Upper

104 100

78 49.4 38.9 58.3

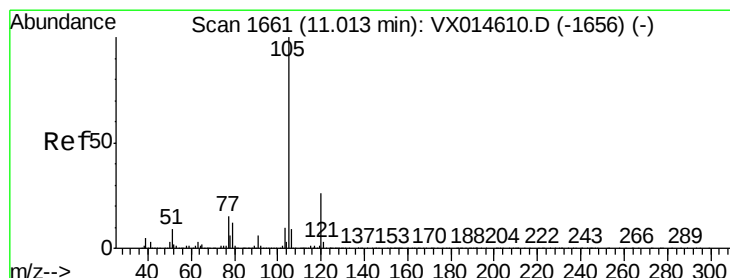
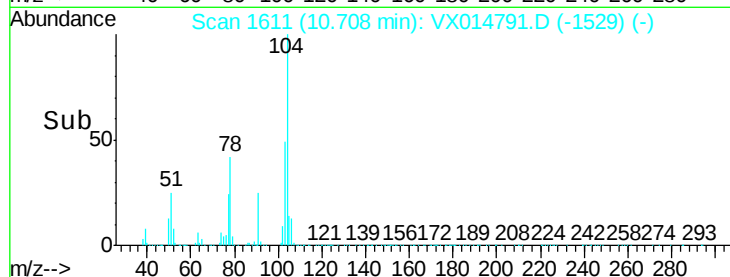
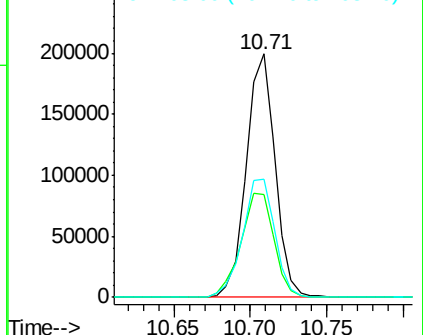
103 54.1 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.90 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014791.D

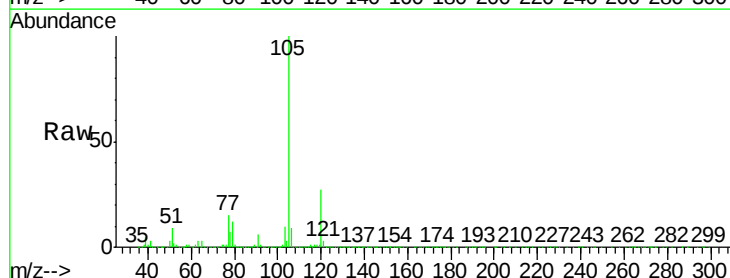
Acq: 03 Feb 2020 12:28

Tgt Ion:105 Resp: 411671

Ion Ratio Lower Upper

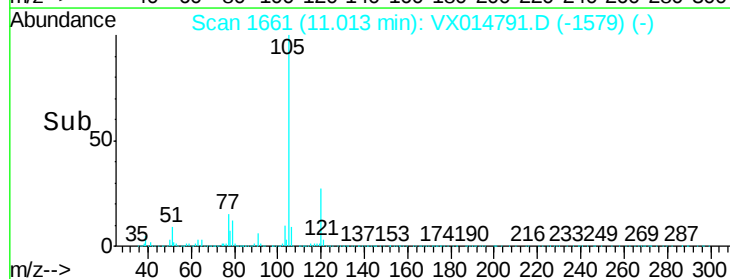
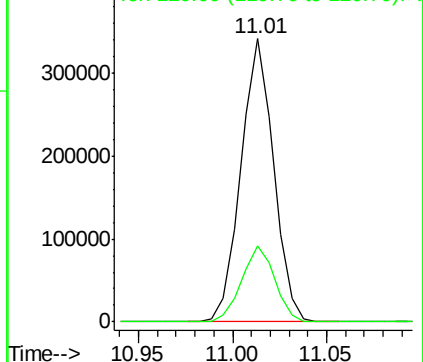
105 100

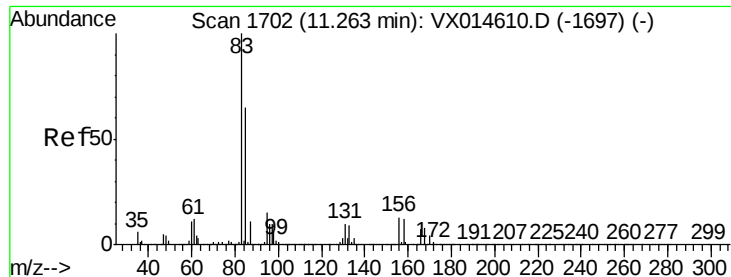
120 27.2 19.1 35.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

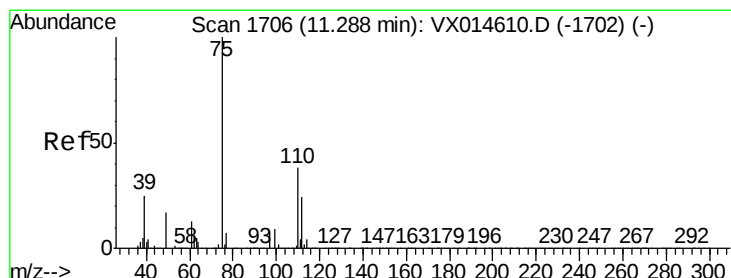
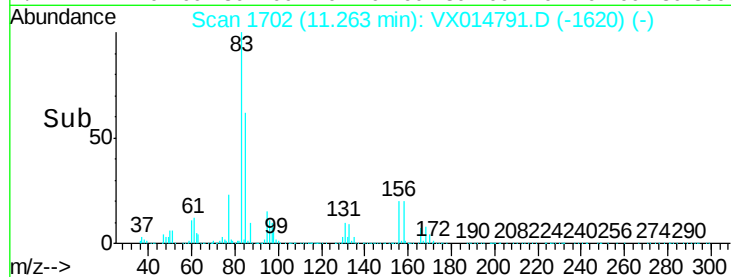
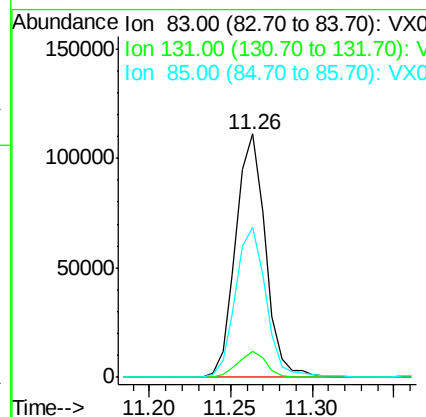
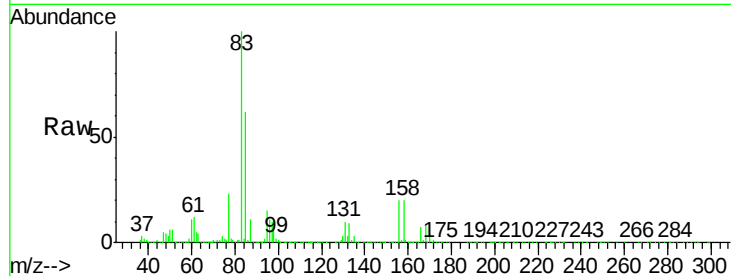
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:	83	Resp:	141365
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	63.2	31.6	94.7



#72

1,2,3-Trichloropropane

Concen: 26.50 ug/l

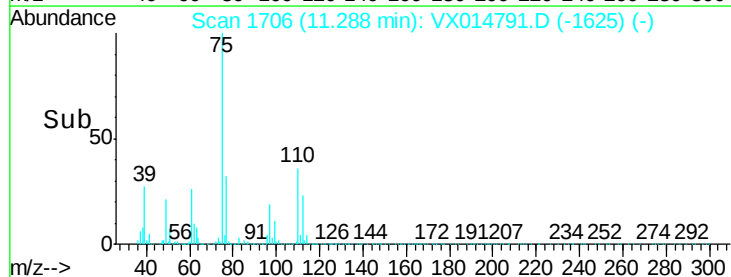
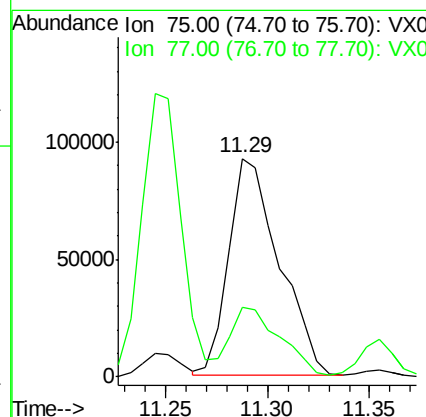
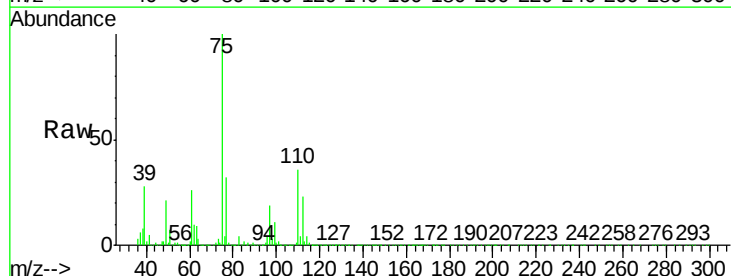
RT: 11.29 min Scan# 1706

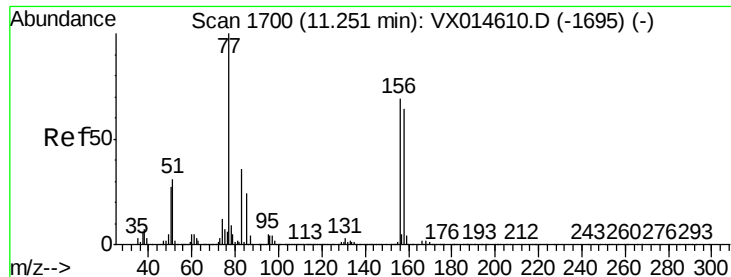
Delta R.T. -0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	75	Resp:	157924
Ion	Ratio	Lower	Upper
75	100		
77	31.0	0.0	68.4

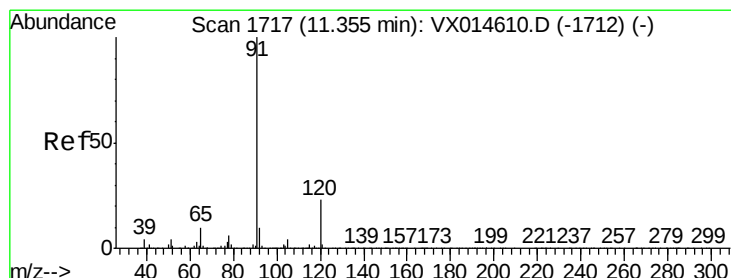
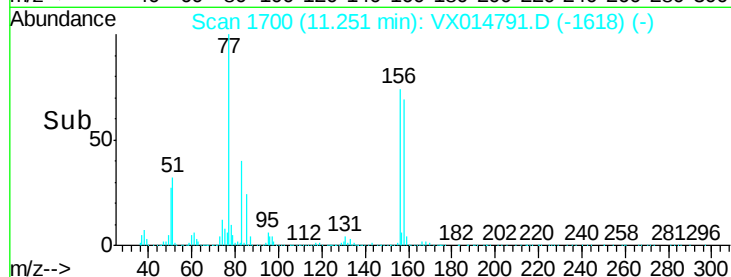
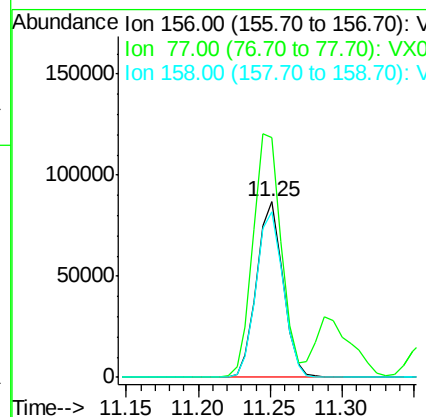
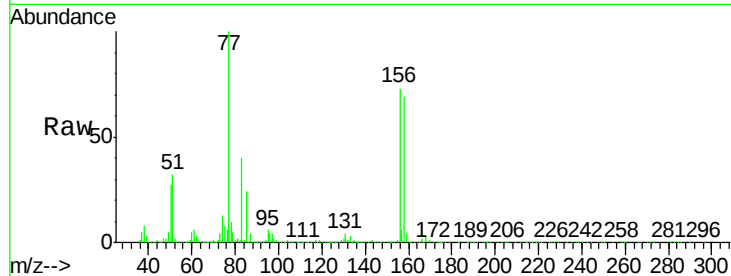




#73
Bromobenzene
Concen: 20.06 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

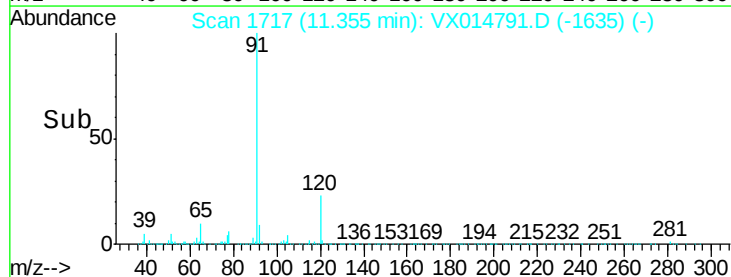
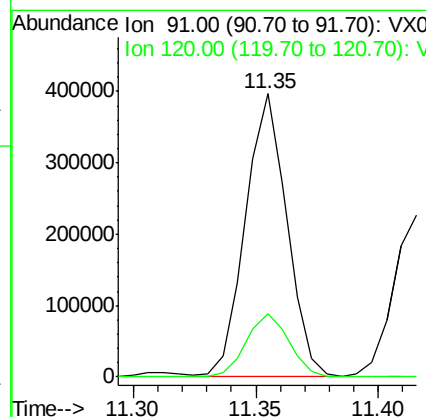
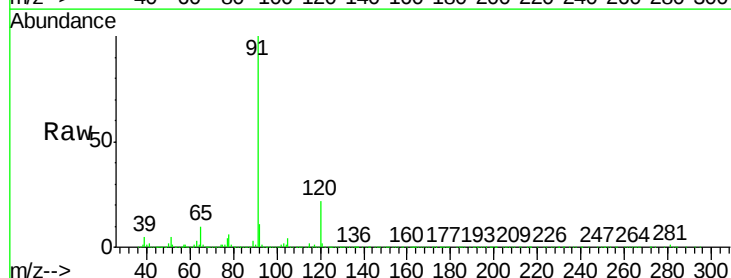
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

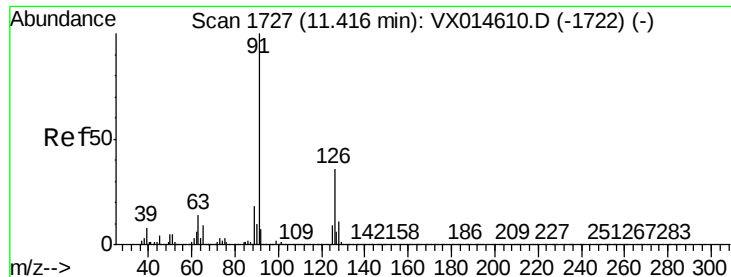
Tgt Ion: 156 Resp: 109968
Ion Ratio Lower Upper
156 100
77 146.5 0.0 304.6
158 96.2 0.0 195.2



#74
n-propylbenzene
Concen: 19.81 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 91 Resp: 468161
Ion Ratio Lower Upper
91 100
120 22.9 0.0 44.8





#75

2-Chlorotoluene

Concen: 19.75 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

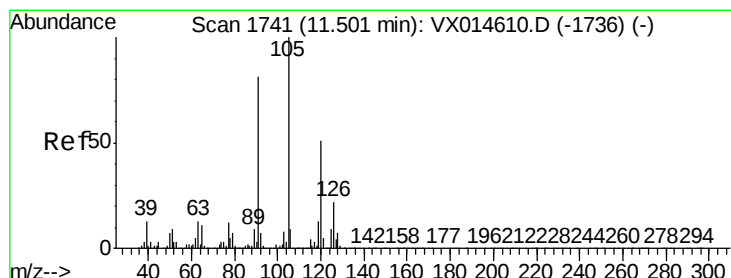
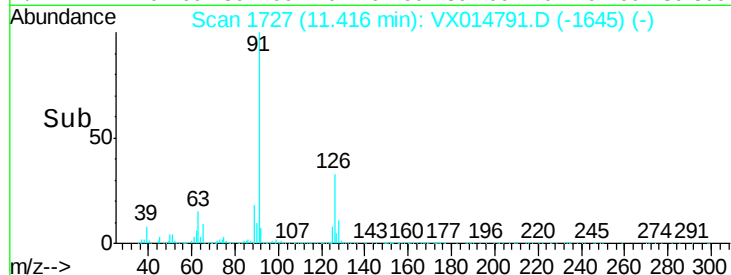
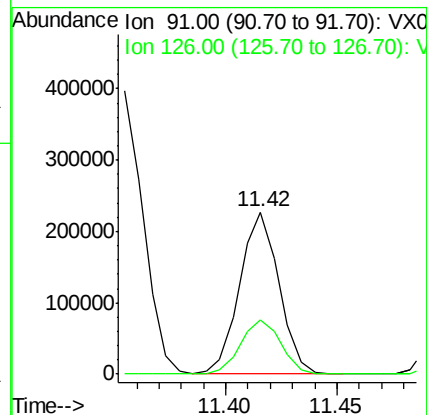
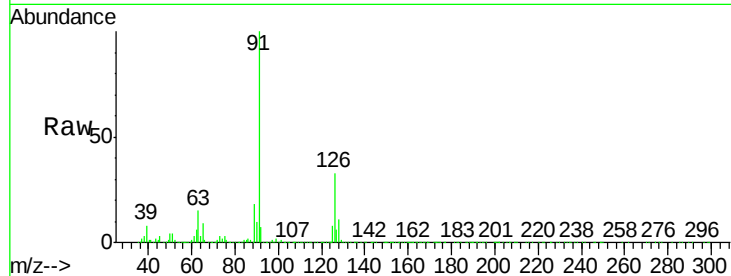
VSTDCCC020

Tgt Ion: 91 Resp: 279763

Ion Ratio Lower Upper

91 100

126 34.0 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 19.65 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014791.D

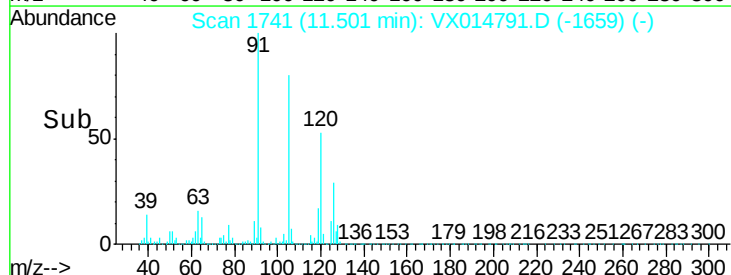
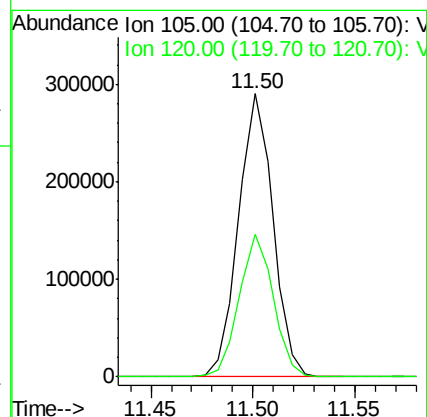
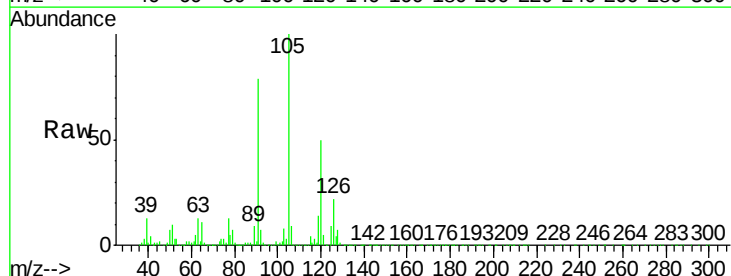
Acq: 03 Feb 2020 12:28

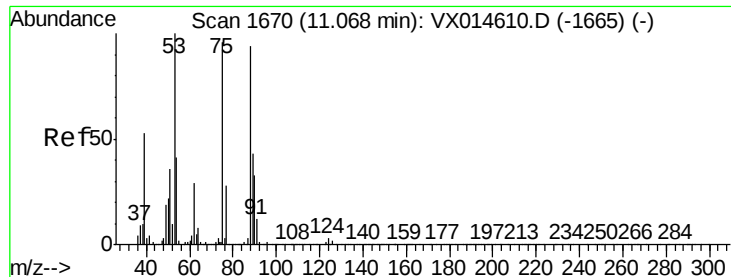
Tgt Ion: 105 Resp: 338703

Ion Ratio Lower Upper

105 100

120 50.0 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 18.96 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

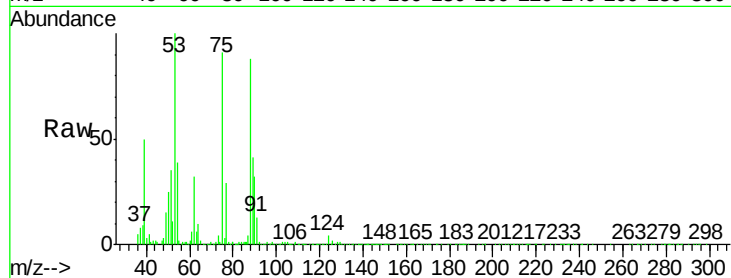
Tgt Ion: 75 Resp: 43485

Ion Ratio Lower Upper

75 100

53 109.6 54.4 163.1

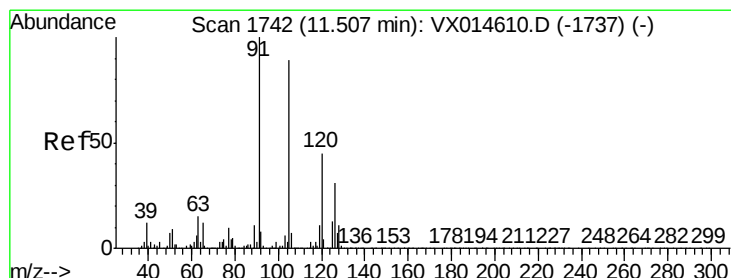
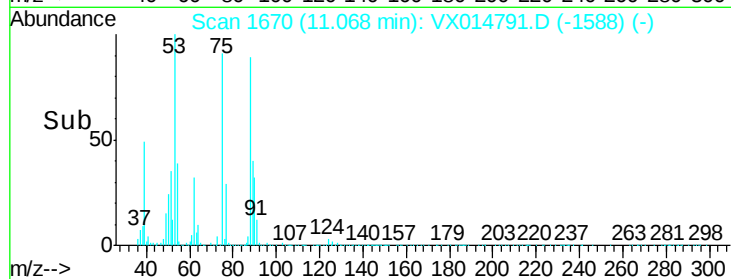
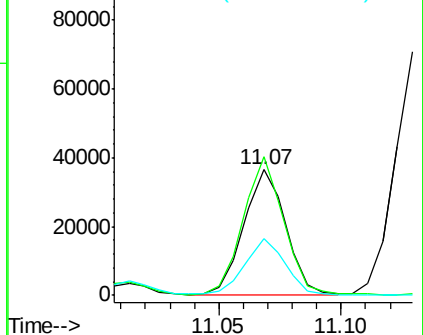
89 44.3 21.9 65.5



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: 19.73 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014791.D

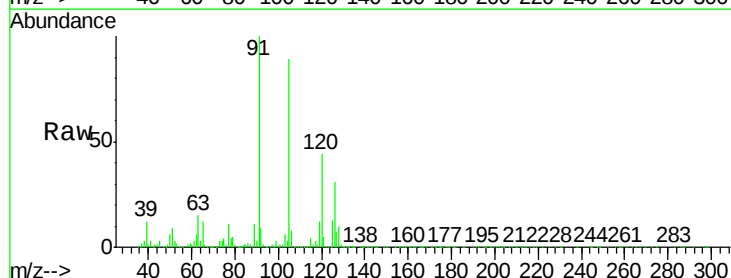
Acq: 03 Feb 2020 12:28

Tgt Ion: 91 Resp: 317335

Ion Ratio Lower Upper

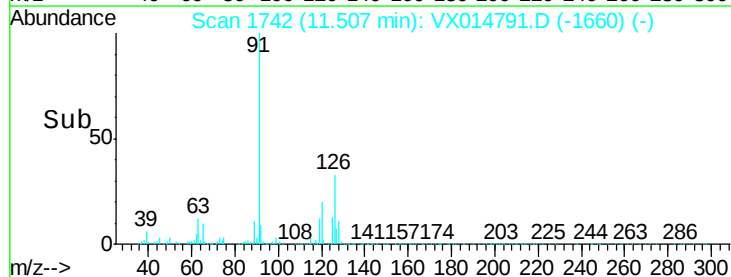
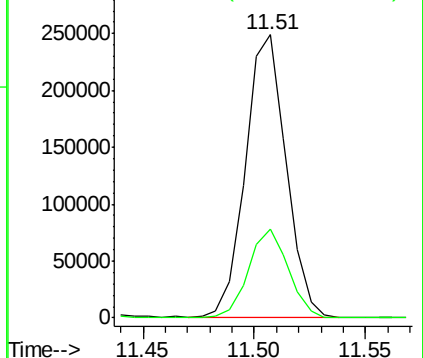
91 100

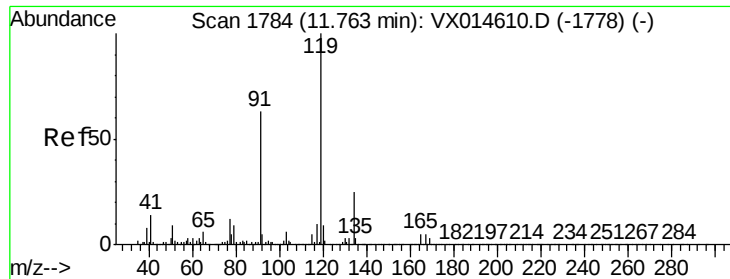
126 30.1 0.0 59.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

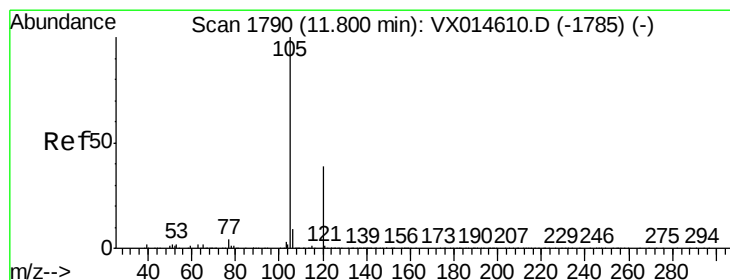
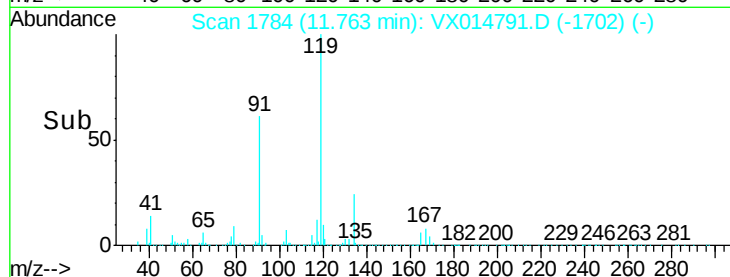
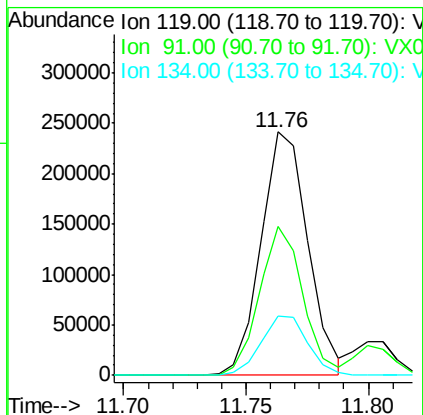
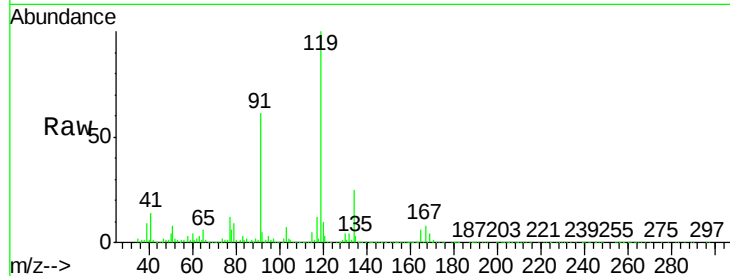




#79
tert-butylbenzene
Concen: 20.03 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

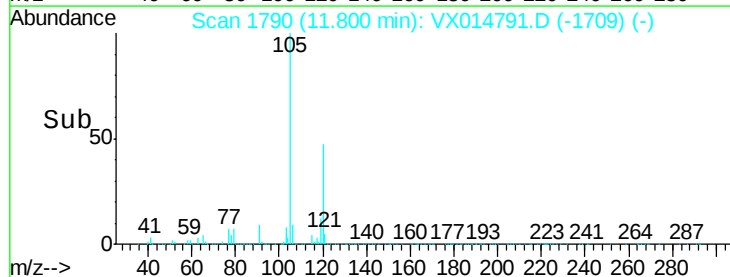
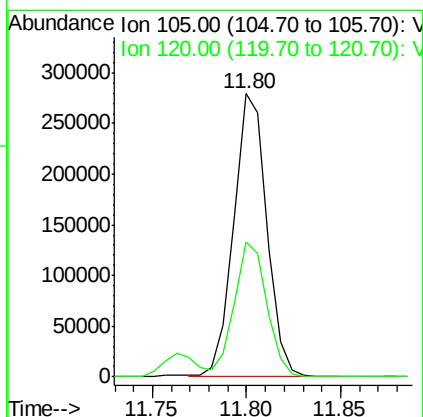
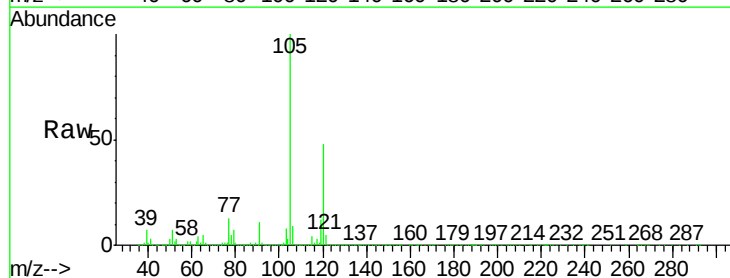
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

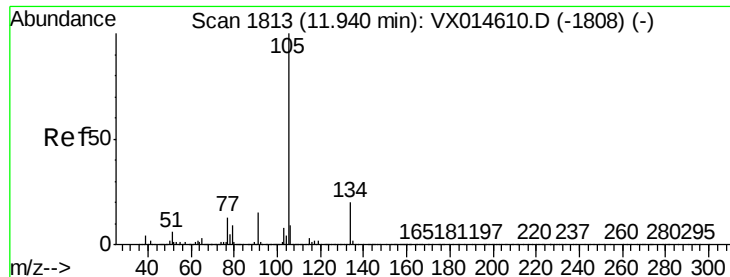
Tgt Ion:119 Resp: 322970
Ion Ratio Lower Upper
119 100
91 56.6 0.0 112.6
134 24.5 0.0 49.8



#80
1,2,4-Trimethylbenzene
Concen: 19.77 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion:105 Resp: 339883
Ion Ratio Lower Upper
105 100
120 46.6 0.0 92.0

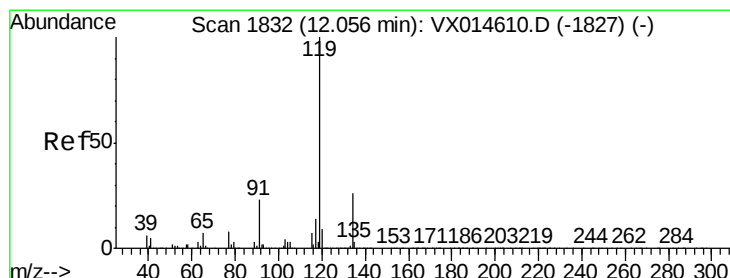
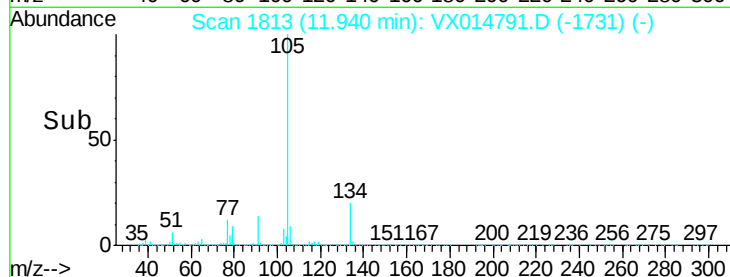
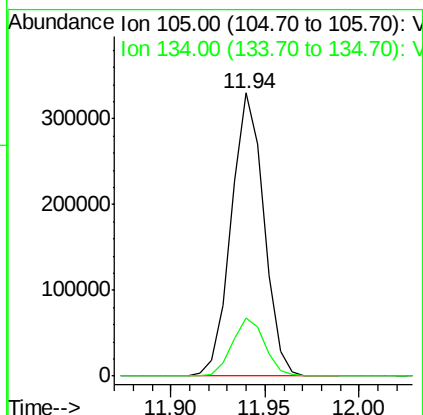
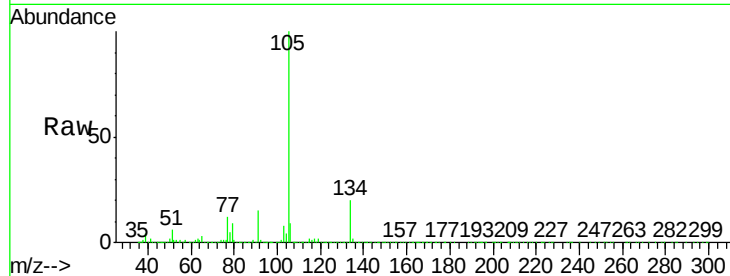




#81
 sec-Butylbenzene
 Concen: 19.85 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

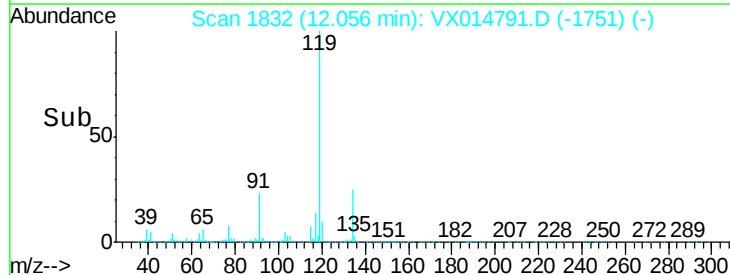
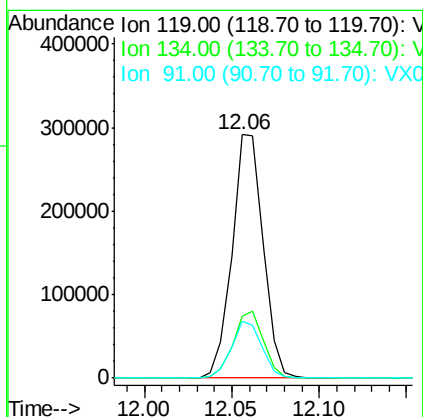
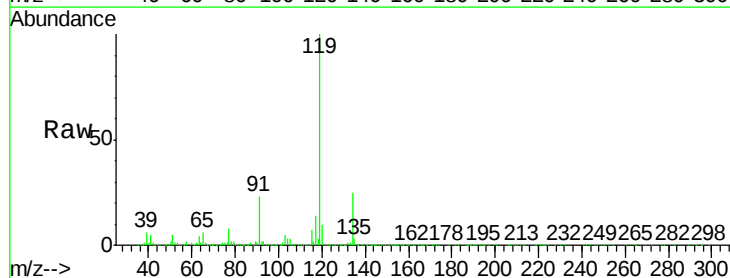
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

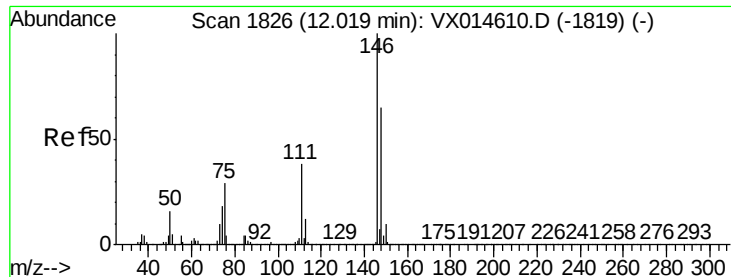
Tgt Ion:105 Resp: 396011
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.2



#82
 p-Isopropyltoluene
 Concen: 19.70 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion:119 Resp: 358907
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.8
 91 22.7 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 19.43 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

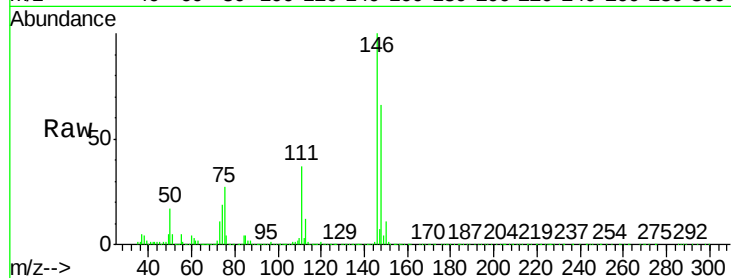
Tgt Ion:146 Resp: 186001

Ion Ratio Lower Upper

146 100

111 37.6 19.3 57.9

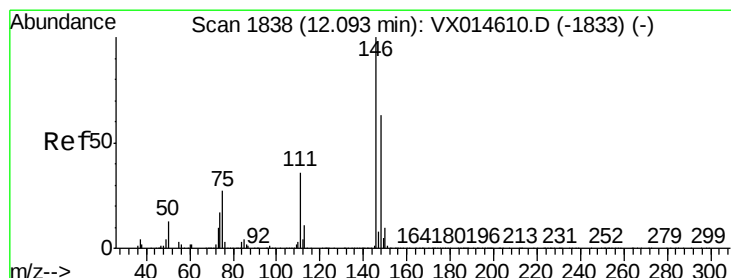
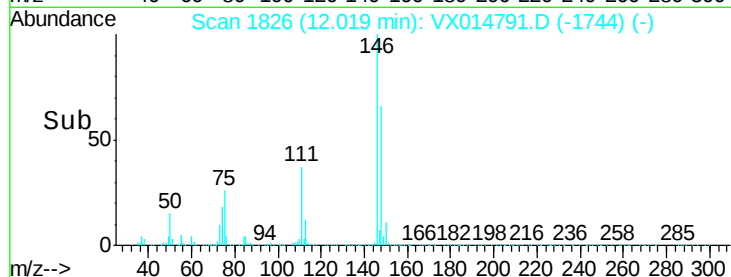
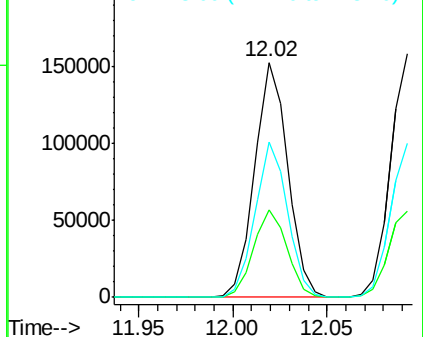
148 65.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.87 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

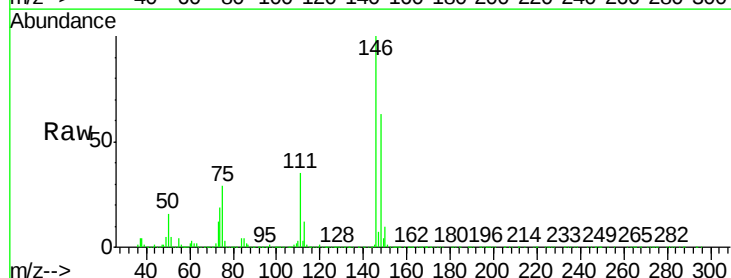
Tgt Ion:146 Resp: 188607

Ion Ratio Lower Upper

146 100

111 36.5 18.4 55.4

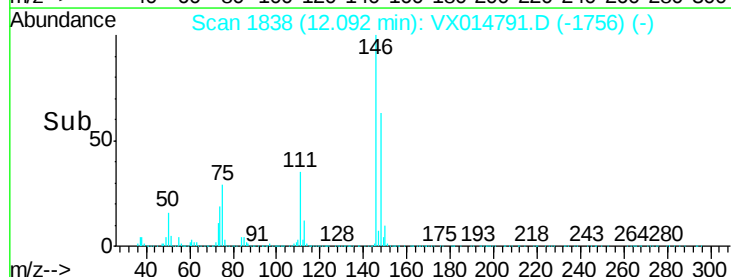
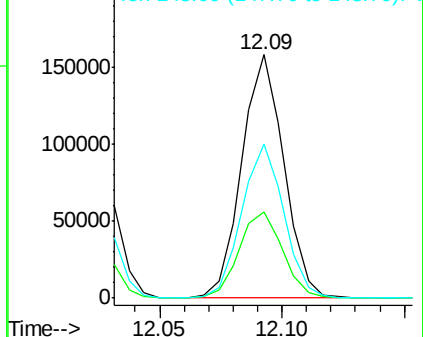
148 63.2 32.0 96.0

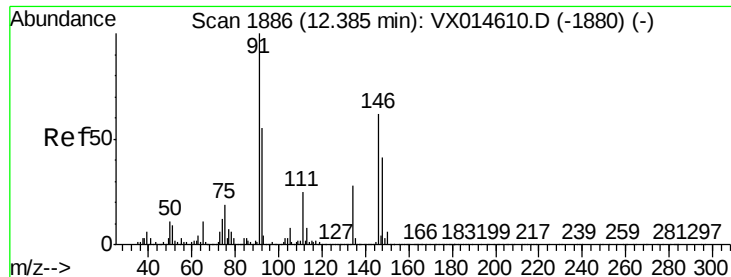


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

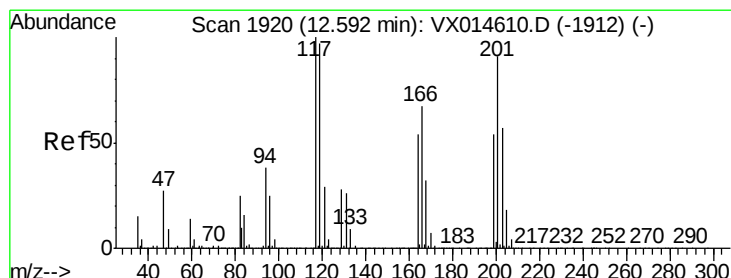
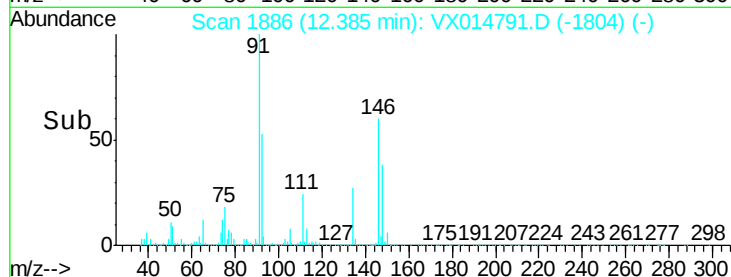
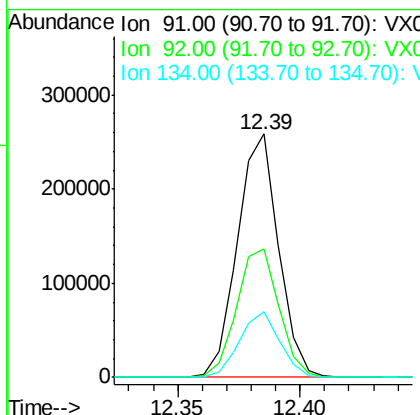
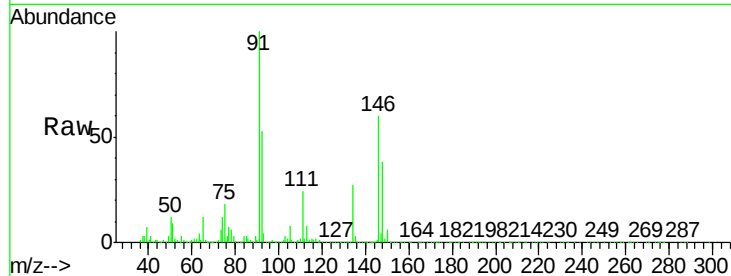




#85
n-Butylbenzene
Concen: 18.90 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

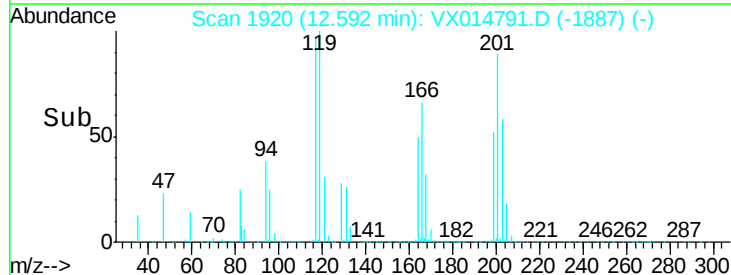
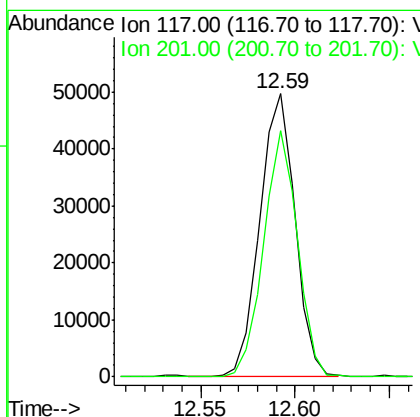
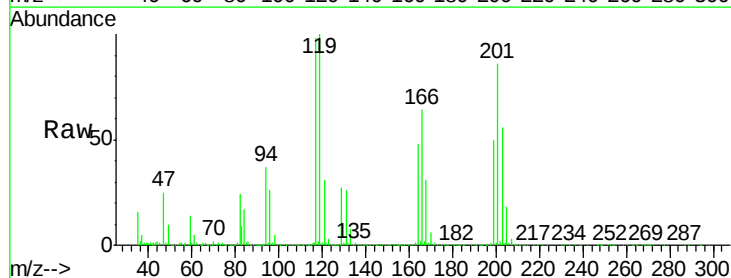
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

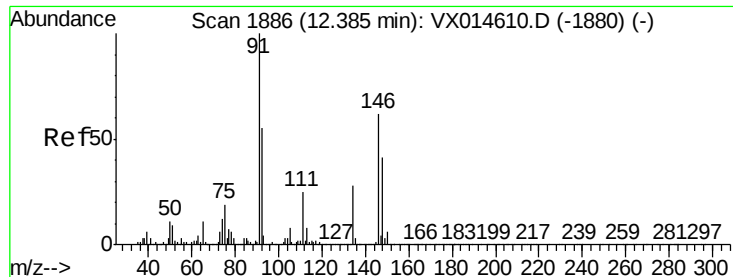
Tgt Ion: 91 Resp: 301249
Ion Ratio Lower Upper
91 100
92 54.3 0.0 109.0
134 26.5 0.0 54.0



#86
Hexachloroethane
Concen: 19.71 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion: 117 Resp: 64396
Ion Ratio Lower Upper
117 100
201 83.3 44.8 134.3





#87

1,2-Dichlorobenzene

Concen: 19.65 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

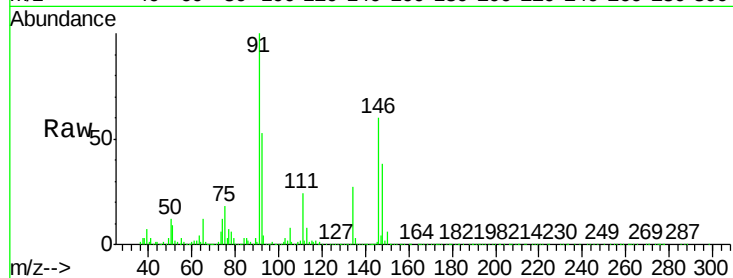
Tgt Ion: 146 Resp: 189853

Ion Ratio Lower Upper

146 100

111 39.4 20.1 60.2

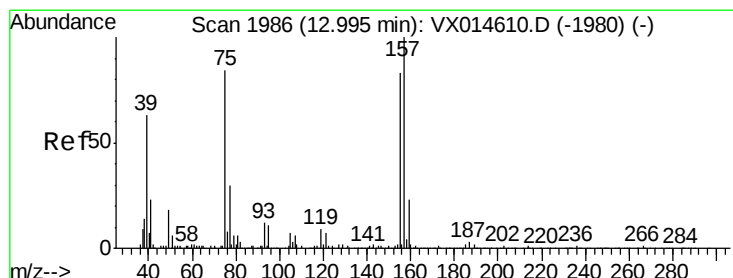
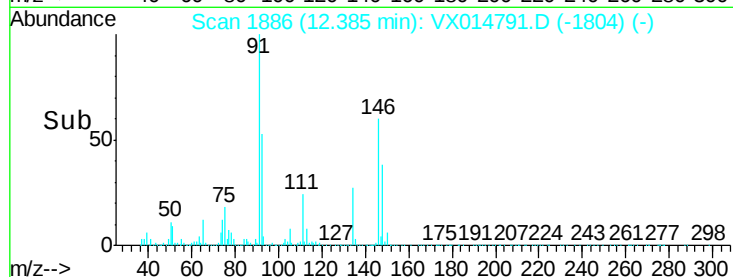
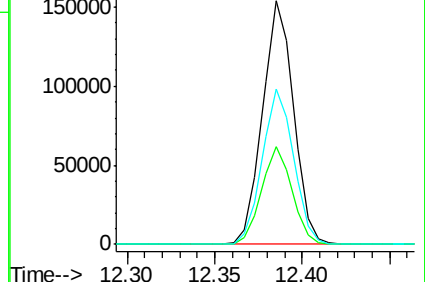
148 64.3 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.62 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

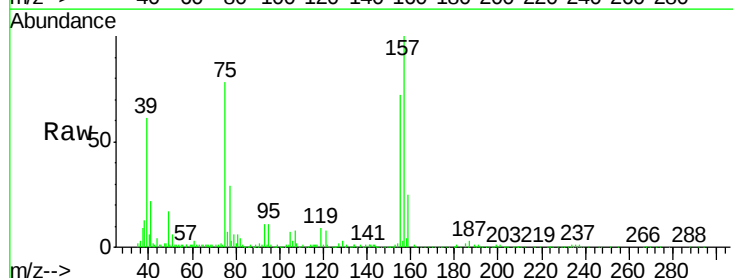
Tgt Ion: 75 Resp: 29201

Ion Ratio Lower Upper

75 100

155 92.1 73.8 110.6

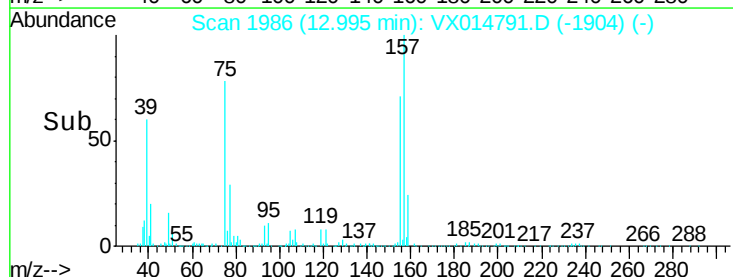
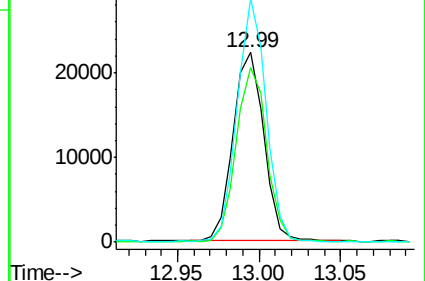
157 122.2 95.0 142.4

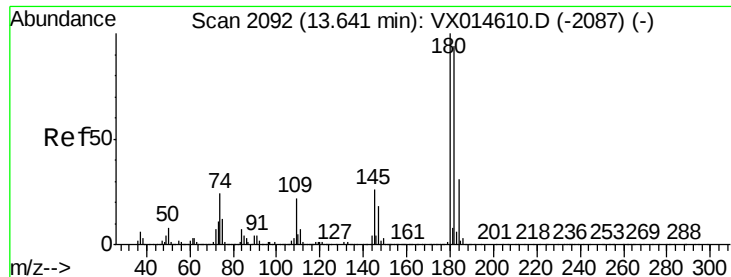


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

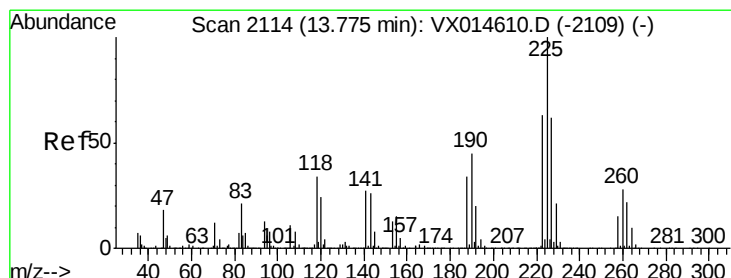
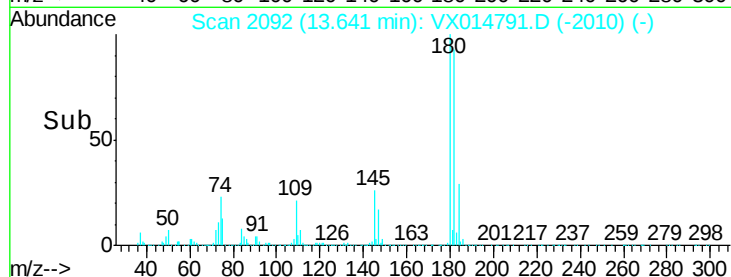
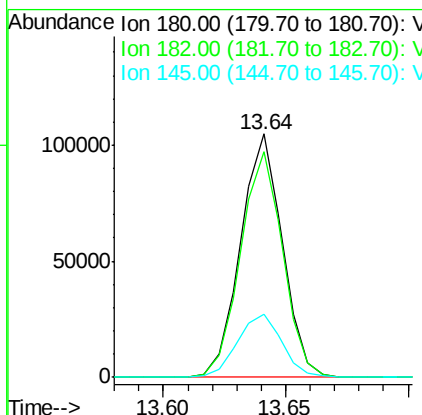
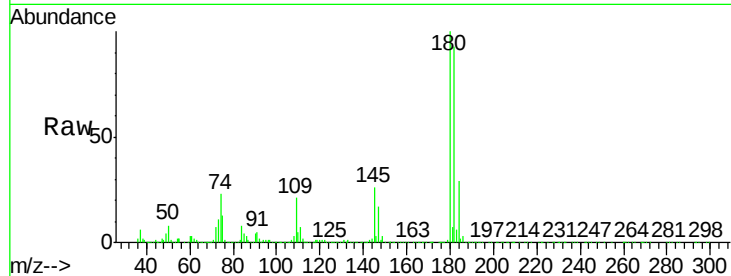




#89
 1,2,4-Trichlorobenzene
 Concen: 19.54 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

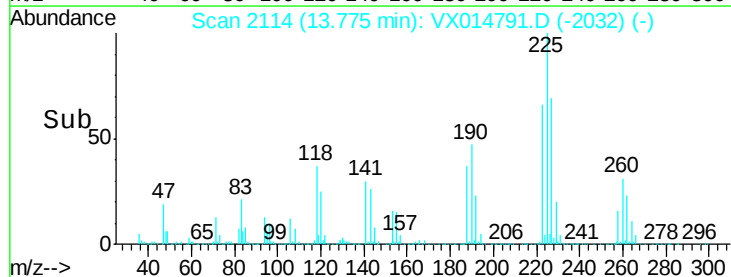
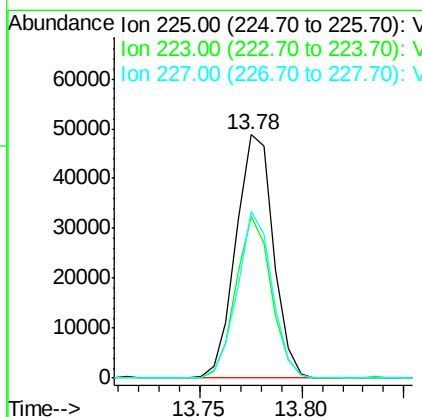
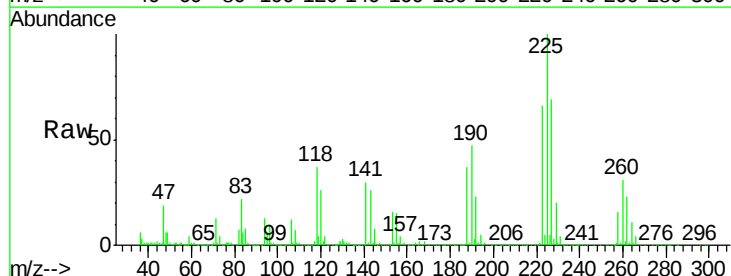
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

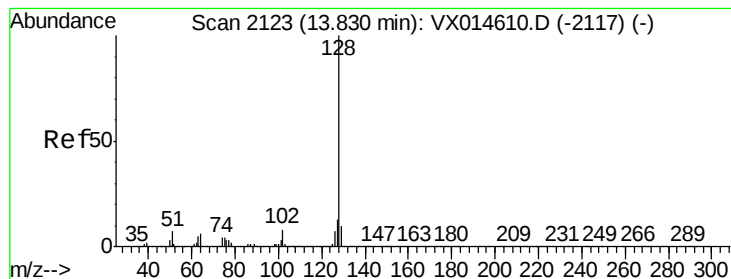
Tgt Ion:180 Resp: 124564
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.4 114.6
 145 27.9 21.9 32.9



#90
 Hexachlorobutadiene
 Concen: 19.49 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion:225 Resp: 62099
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 127.4
 227 63.5 0.0 122.8





#91

Naphthalene

Concen: 19.37 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

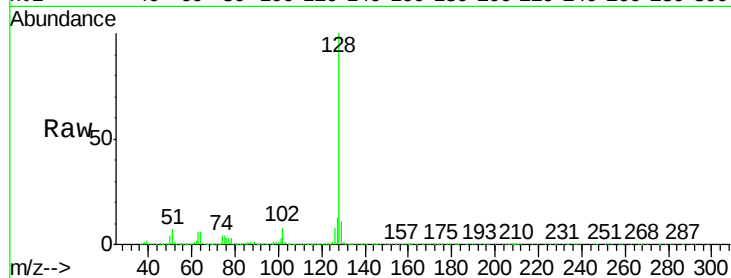
Tgt Ion:128 Resp: 372779

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

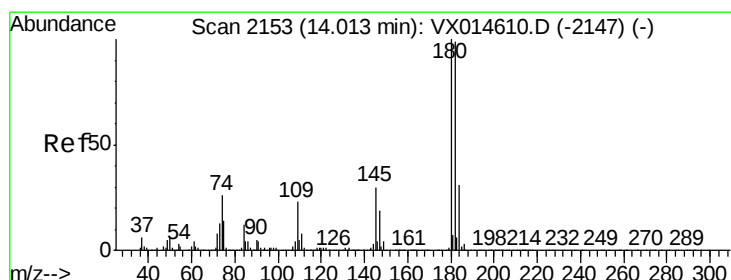
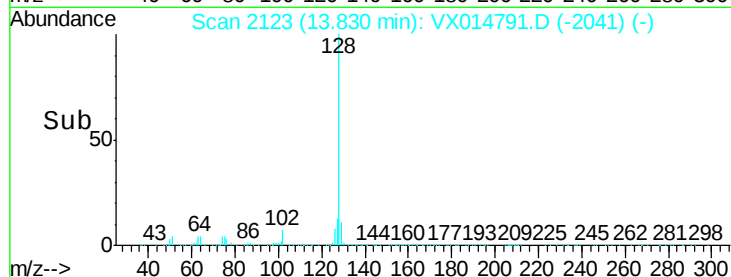
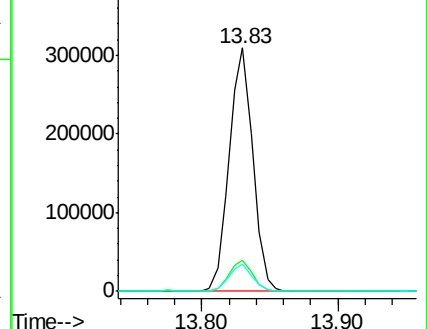
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.23 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

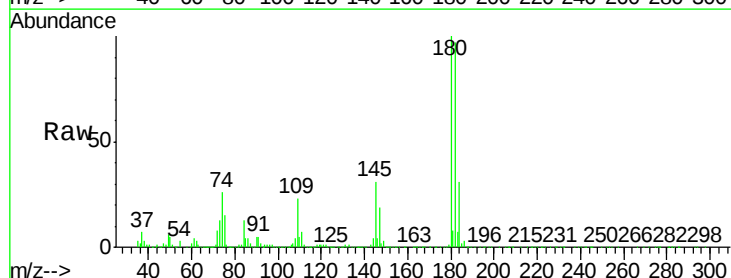
Tgt Ion:180 Resp: 124778

Ion Ratio Lower Upper

180 100

182 97.8 0.0 192.8

145 30.9 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

