

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
 Data File : VX014611.D
 Acq On : 15 Jan 2020 11:34
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: Jan 15 12:11:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:07:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	76827	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	422724	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	382541	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	161186	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	11.13	95	187249	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	8.71	98	518784	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	283882	73.149	ug/l 99
3) Chloromethane	1.32	50	305597	55.870	ug/l 95
4) Vinyl Chloride	1.40	62	346978	61.881	ug/l 100
5) Bromomethane	1.63	94	201849	49.245	ug/l 99
6) Chloroethane	1.72	64	187801	54.223	ug/l 97
7) Trichlorofluoromethane	1.92	101	368073	52.753	ug/l 98
8) Diethyl Ether	2.18	74	163348	50.934	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	216423	52.009	ug/l 98
10) 1,1-Dichloroethene	2.37	96	219901	51.114	ug/l 99
11) Methyl Iodide	2.50	142	310809	56.121	ug/l 98
12) Methyl Acetate	2.76	43	404541	60.741	ug/l 98
13) Acrolein	2.28	56	197888	244.976	ug/l 100
14) Acrylonitrile	3.13	53	681641	261.805	ug/l 99
15) Acetone	2.43	58	238089	311.289	ug/l 83
16) Carbon Disulfide	2.56	76	609565	52.303	ug/l 99
17) Allyl chloride	2.72	41	406751	52.615	ug/l 95
18) Methylene Chloride	2.85	84	252290	47.859	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	237208	50.351	ug/l 95
21) 1,1-Dichloroethane	3.69	63	432638	50.253	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	268059	49.084	ug/l 97
23) tert-Butyl Alcohol	3.03	59	278549	272.761	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	731050	50.304	ug/l 99
25) Chloroform	5.20	83	418387	50.974	ug/l 98
26) Cyclohexane	5.57	56	404824	52.734	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	324491	53.142	ug/l 99
30) 2-Butanone	4.65	43	1030325	286.274	ug/l 99
31) 2,2-Dichloropropane	4.58	77	336736	59.618	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	352579	52.204	ug/l 99
33) Carbon Tetrachloride	5.78	117	304011	52.952	ug/l 100
34) Benzene	6.14	78	989577	51.975	ug/l 98
35) Methacrylonitrile	5.03	41	204506	52.832	ug/l 97
36) 1,2-Dichloroethane	6.18	62	333459	50.419	ug/l 99
37) Trichloroethene	7.21	130	268552	51.836	ug/l 98
38) Methylcyclohexane	7.46	83	405857	55.722	ug/l 99
39) 1,2-Dichloropropane	7.51	63	255783	51.725	ug/l 91
40) Dibromomethane	7.65	93	164679	52.130	ug/l 98
41) Bromodichloromethane	7.89	83	323834	52.942	ug/l # 99

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 ClientSampleId :
 VSTDIC050

Quant Time: Jan 15 12:11:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:07:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.80	43	3116906	245.294	ug/l	99
43) Ethyl Acetate	4.82	43	368768	53.398	ug/l	100
44) Isopropyl Acetate	6.43	43	594777	51.422	ug/l	99
45) 1,4-Dioxane	7.73	88	121724	1123.779	ug/l	99
46) Methyl methacrylate	7.76	41	296410	52.758	ug/l	100
47) n-amyl Acetate	10.89	43	506700	49.267	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	357787	53.592	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	404886	53.928	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	251623	51.611	ug/l	99
51) Ethyl methacrylate	9.17	69	398843	51.431	ug/l	97
52) 1,3-Dichloropropane	9.37	76	422566	51.015	ug/l	98
53) Dibromochloromethane	9.57	129	259464	53.224	ug/l	100
54) 1,2-Dibromoethane	9.67	107	263360	52.466	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	891806	260.878	ug/l	100
56) Bromoform	10.85	173	199805	52.557	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	1893661	264.569	ug/l	99
59) 2-Hexanone	9.48	43	1489662	274.248	ug/l	99
61) Tetrachloroethene	9.33	164	301612	59.599	ug/l	98
62) Toluene	8.78	91	1059031	52.052	ug/l	100
64) Chlorobenzene	10.14	112	650854	51.061	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	243750	51.644	ug/l	99
66) Ethyl Benzene	10.25	91	1157588	51.990	ug/l	96
67) m/p-Xylenes	10.36	106	888423	104.380	ug/l	100
68) o-Xylene	10.70	106	438080	51.955	ug/l	98
69) Styrene	10.71	104	744426	51.916	ug/l	99
70) Isopropylbenzene	11.01	105	1140040	52.321	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	369485	47.816	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	438151	63.702	ug/l	95
73) Bromobenzene	11.25	156	293820	50.514	ug/l	100
74) n-propylbenzene	11.35	91	1317123	53.295	ug/l	98
75) 2-Chlorotoluene	11.42	91	770313	51.585	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	956233	51.733	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	129085	56.832	ug/l	91
78) 4-Chlorotoluene	11.51	91	875780	51.324	ug/l	98
79) tert-butylbenzene	11.76	119	871969	48.942	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	942583	50.999	ug/l	98
81) sec-Butylbenzene	11.94	105	1098199	51.822	ug/l	99
82) p-Isopropyltoluene	12.06	119	1007169	52.665	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	517882	51.081	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	513094	50.825	ug/l	100
85) n-Butylbenzene	12.39	91	891155	55.423	ug/l	100
86) Hexachloroethane	12.59	117	178808	51.540	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	519429	50.441	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	83056	53.927	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	356918	54.230	ug/l	100
90) Hexachlorobutadiene	13.78	225	171573	54.844	ug/l	97
91) Naphthalene	13.83	128	1096920	55.450	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	352399	52.789	ug/l	100

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Quant Time: Jan 15 12:11:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:07:57 2020
Response via : Initial Calibration

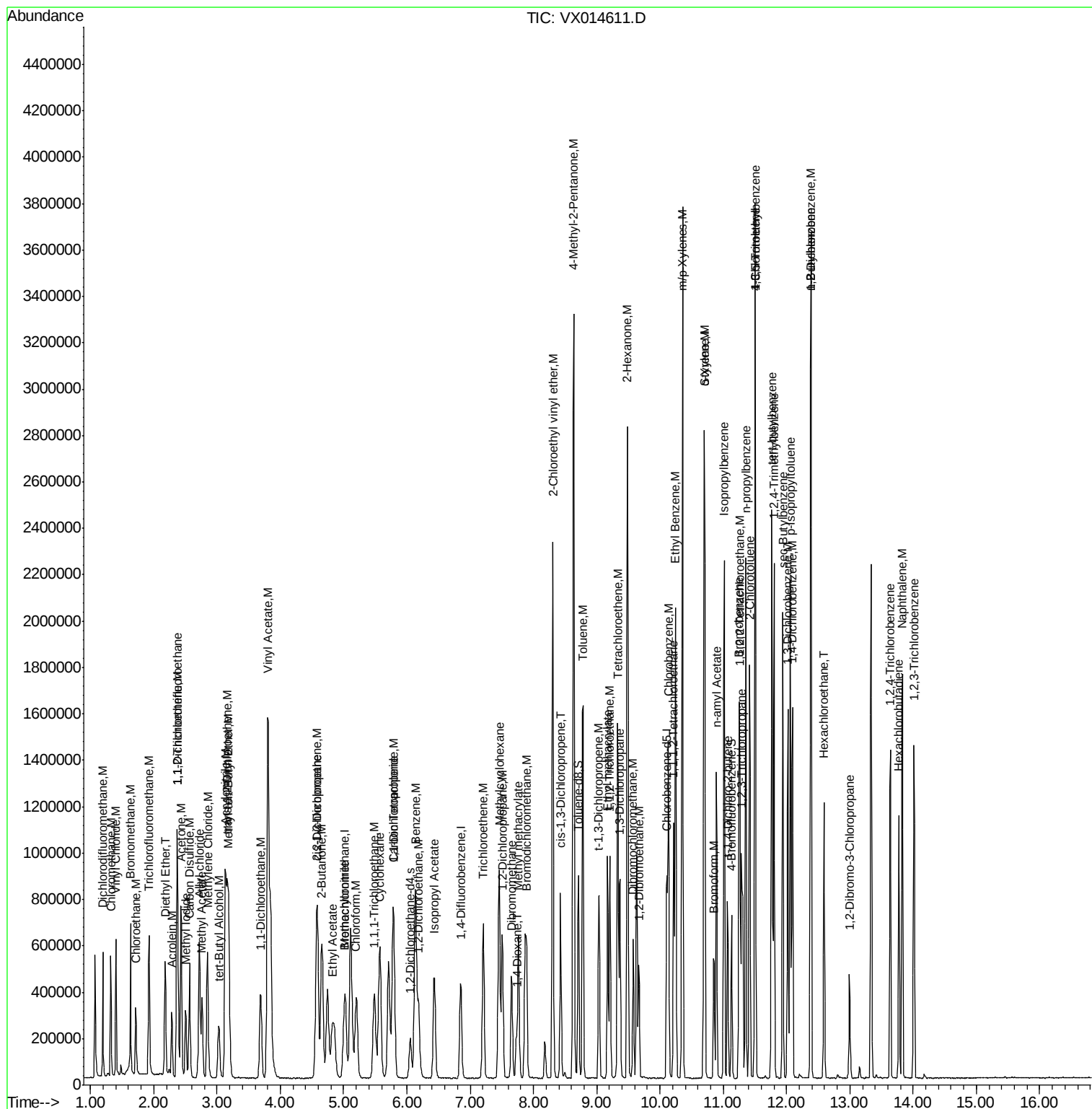
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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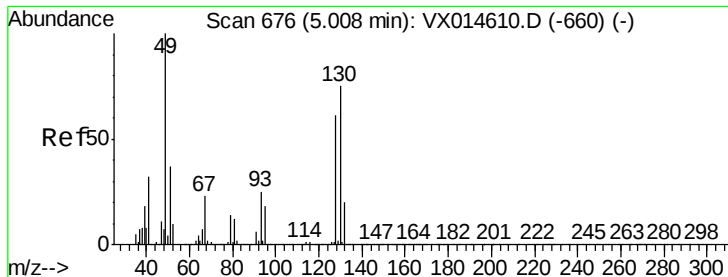
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
Data File : VX014611.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Quant Time: Jan 15 12:11:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:07:57 2020
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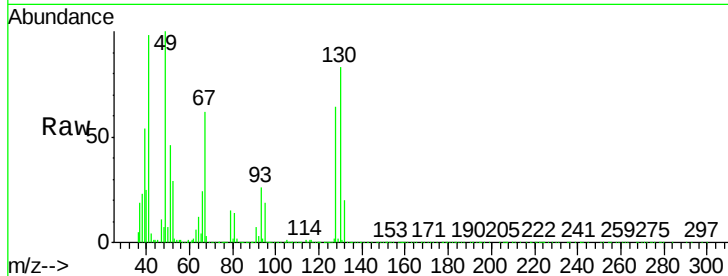


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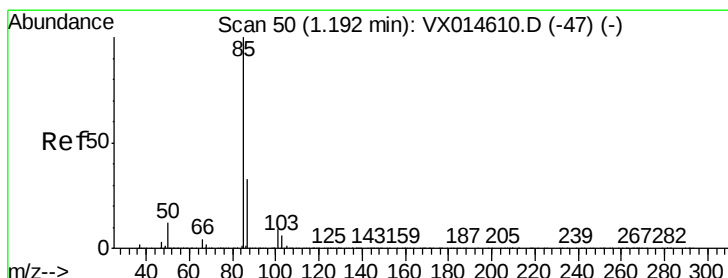
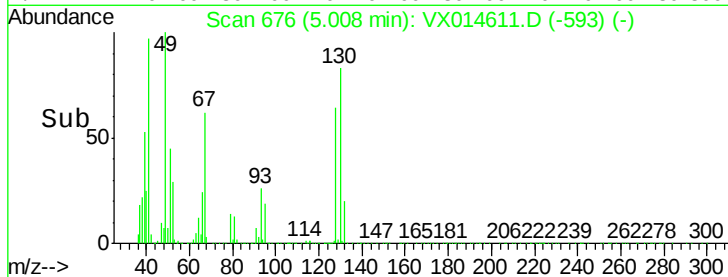
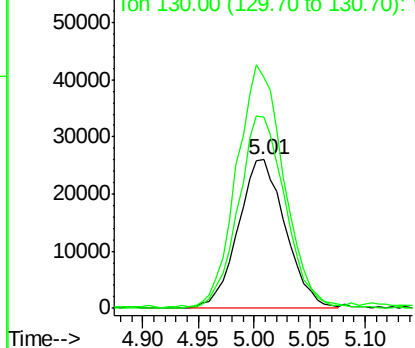
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.4	0.0	405.0
130	128.5	0.0	321.5



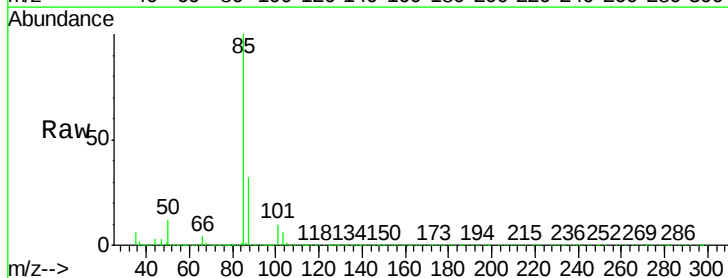
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



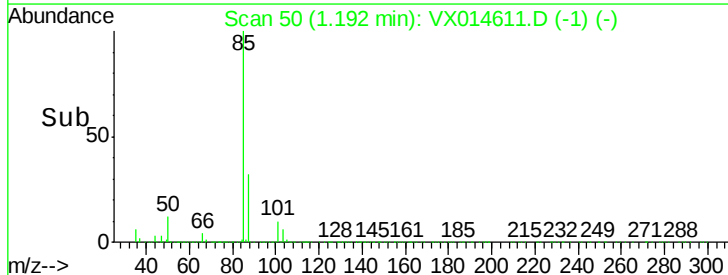
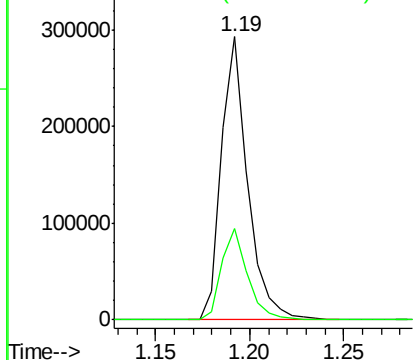
#2

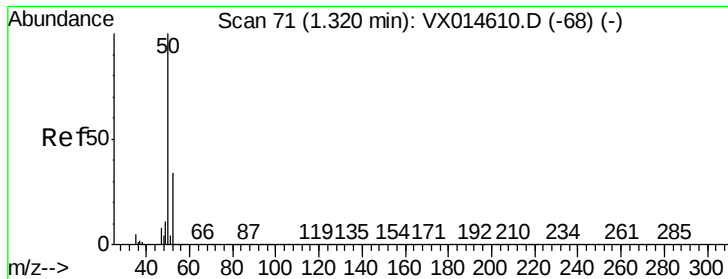
Dichlorodifluoromethane
 Concen: 73.149 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	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: 55.870 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

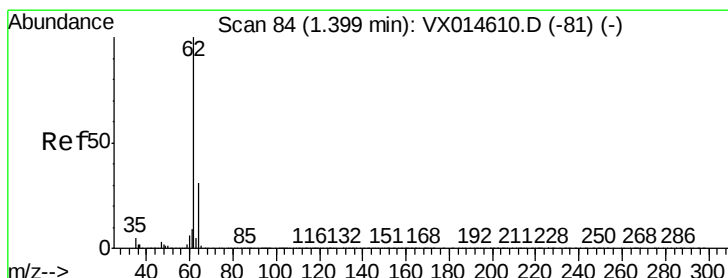
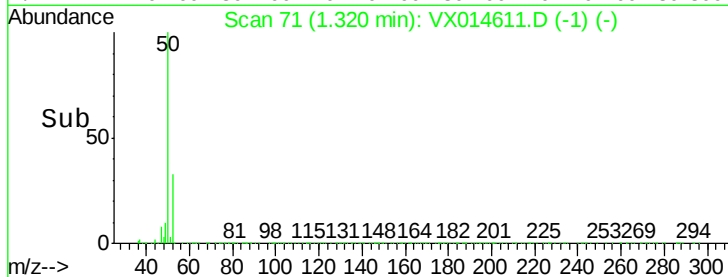
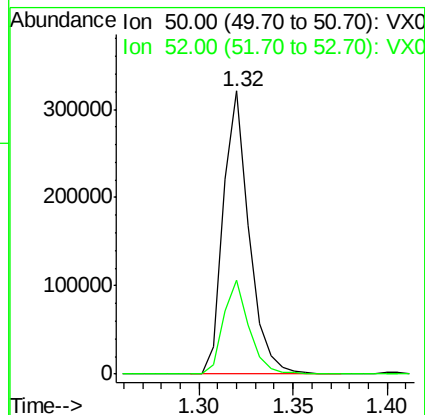
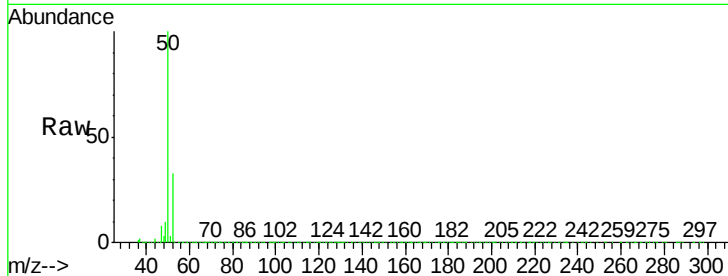
VSTDIC050

Tgt Ion: 50 Resp: 305597

Ion Ratio Lower Upper

50 100

52 33.1 24.3 36.5



#4

Vinyl Chloride

Concen: 61.881 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014611.D

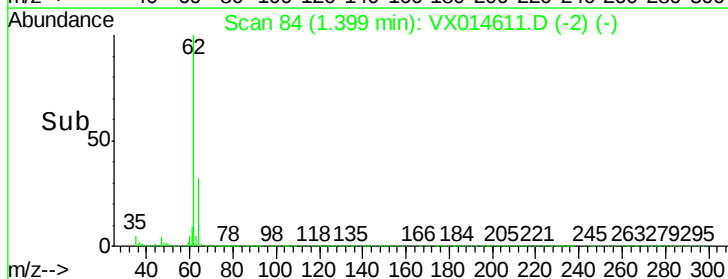
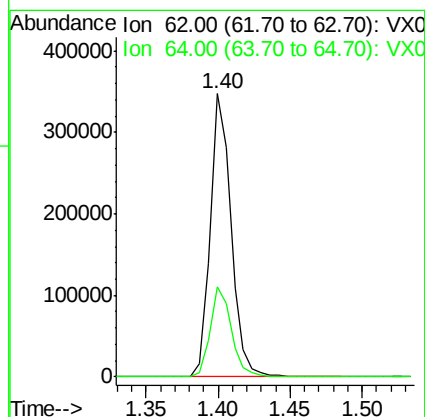
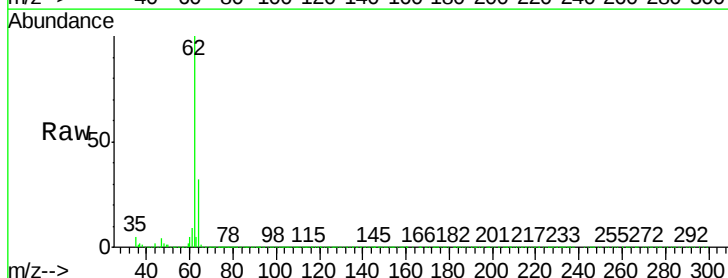
Acq: 15 Jan 2020 11:34

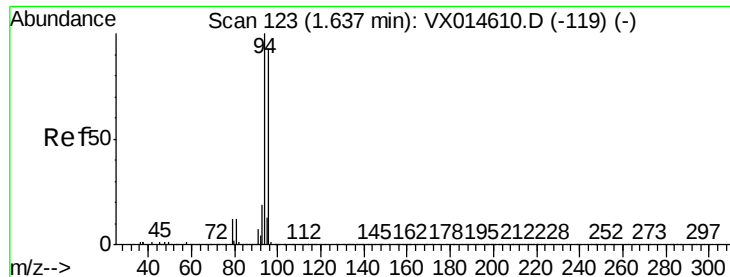
Tgt Ion: 62 Resp: 346978

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 49.245 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

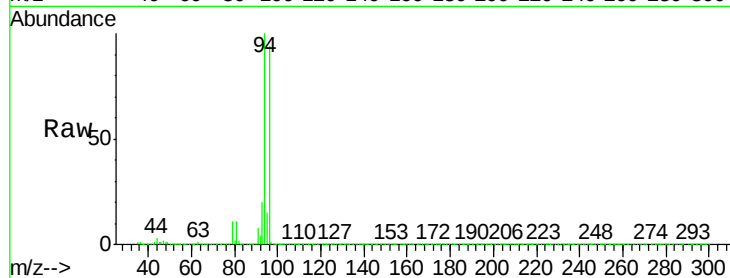
VSTDIC050

Tgt Ion: 94 Resp: 201849

Ion Ratio Lower Upper

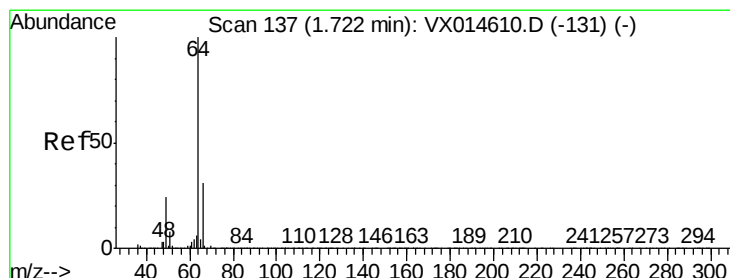
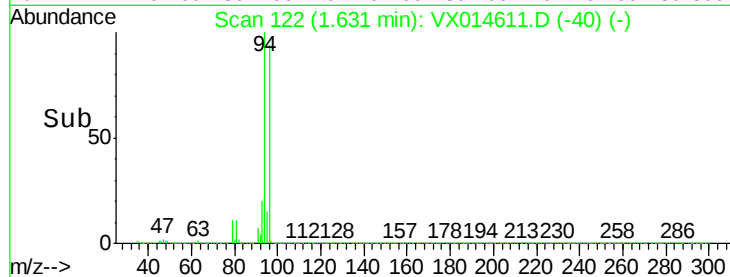
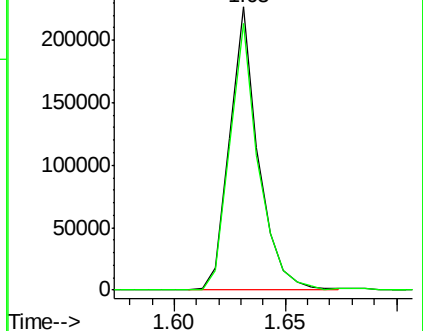
94 100

96 94.4 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: 54.223 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014611.D

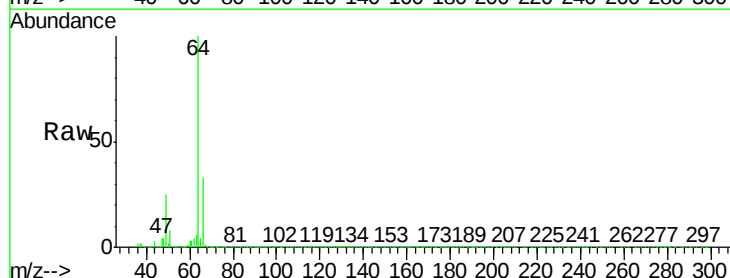
Acq: 15 Jan 2020 11:34

Tgt Ion: 64 Resp: 187801

Ion Ratio Lower Upper

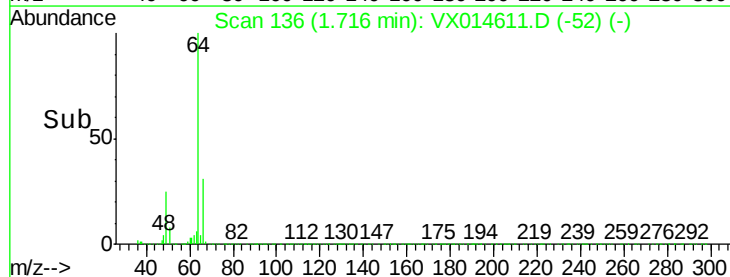
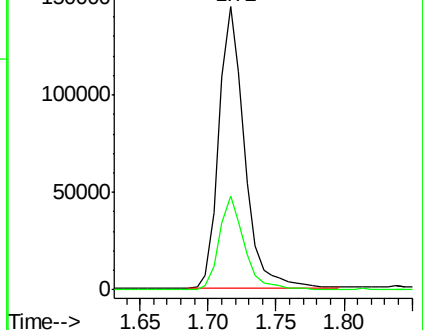
64 100

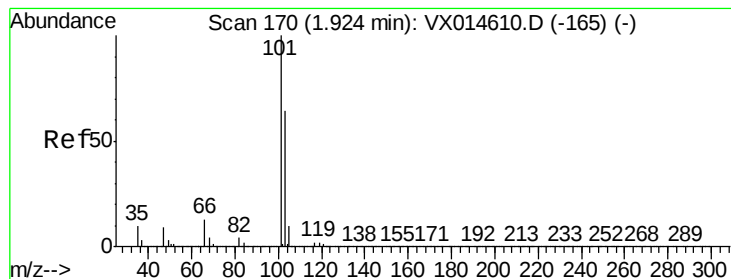
66 33.2 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



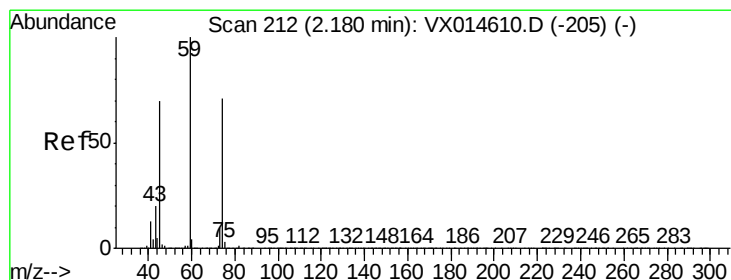
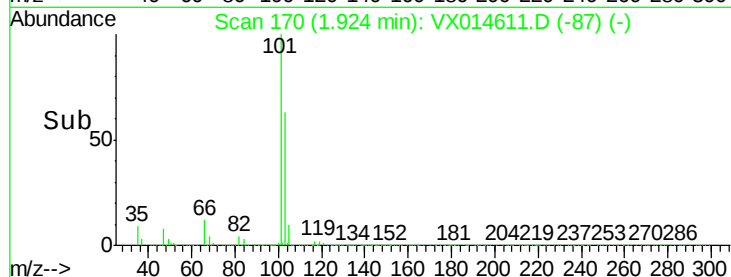
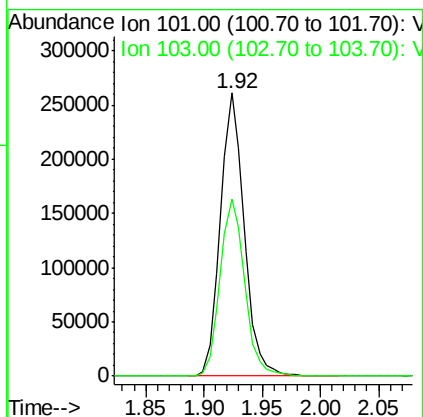
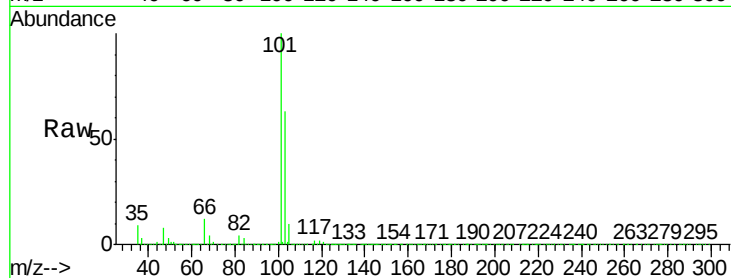


#7

Trichlorofluoromethane
Concen: 52.753 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

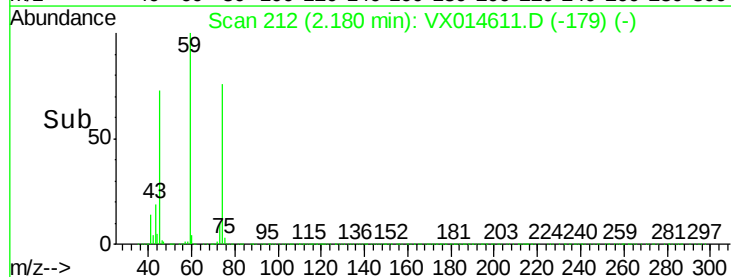
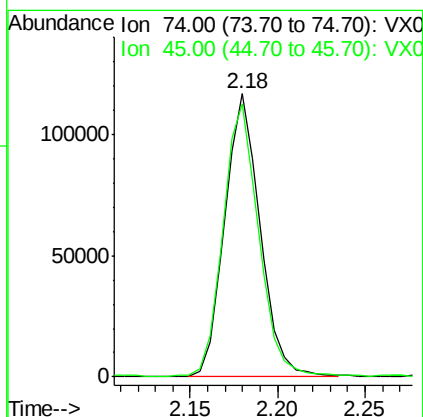
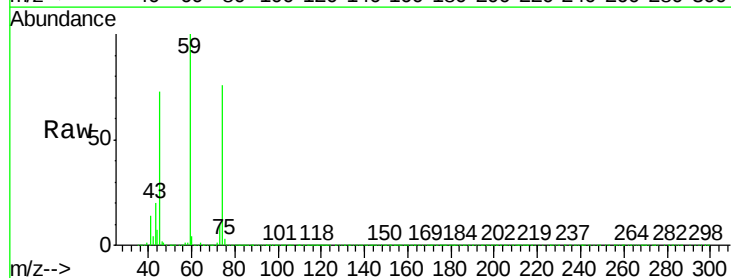
Tgt Ion: 101 Resp: 368073
Ion Ratio Lower Upper
101 100
103 62.6 51.6 77.4

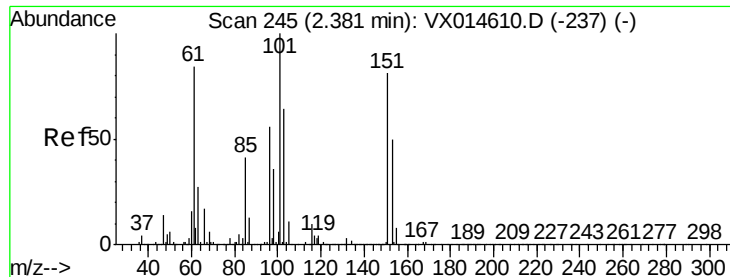


#8

Diethyl Ether
Concen: 50.934 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 74 Resp: 163348
Ion Ratio Lower Upper
74 100
45 96.8 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.009 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

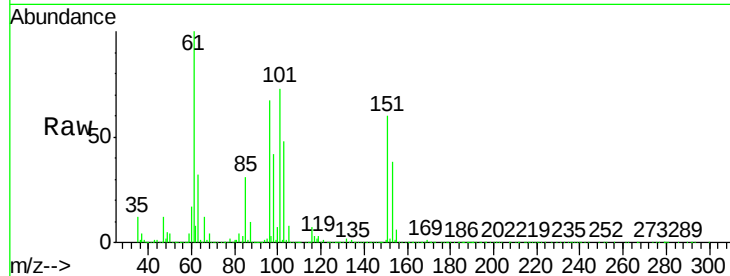
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

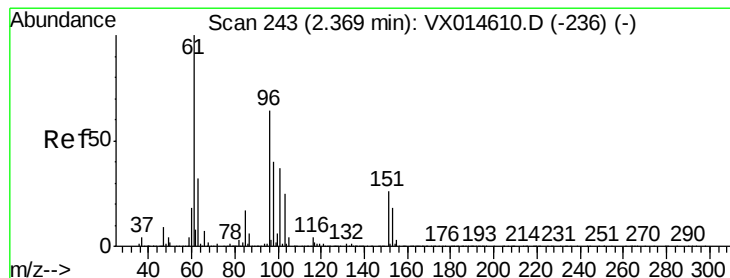
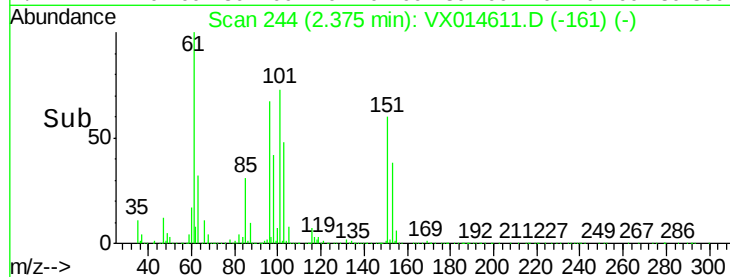
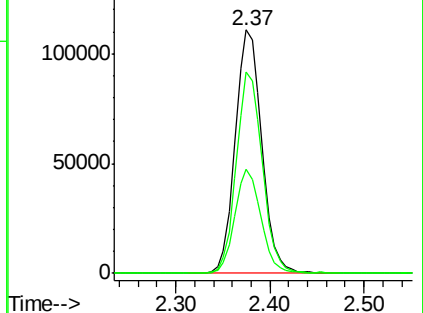
Tgt Ion:	101	Resp:	216423
Ion	Ratio	Lower	Upper
101	100		
85	42.2	0.0	85.6
151	81.7	0.0	159.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 51.114 ug/l

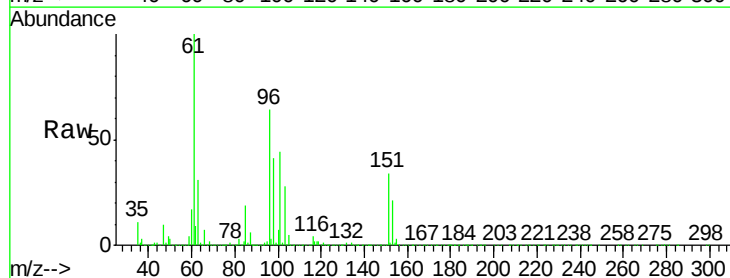
RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

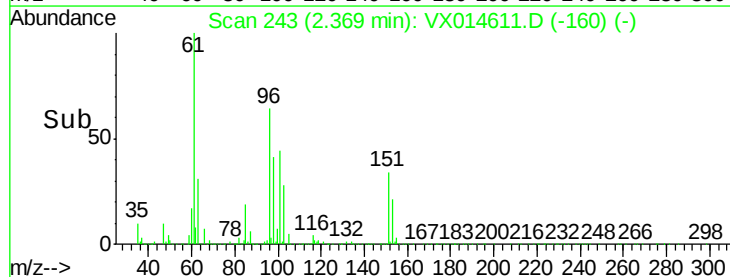
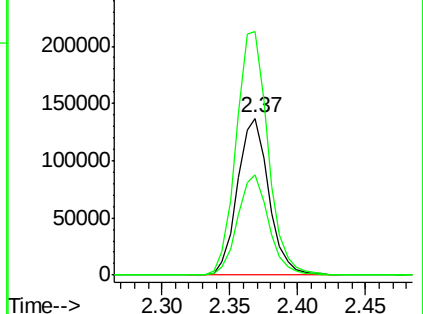
Tgt Ion:	96	Resp:	219901
Ion	Ratio	Lower	Upper
96	100		
61	155.3	123.0	184.6
98	63.8	51.4	77.0

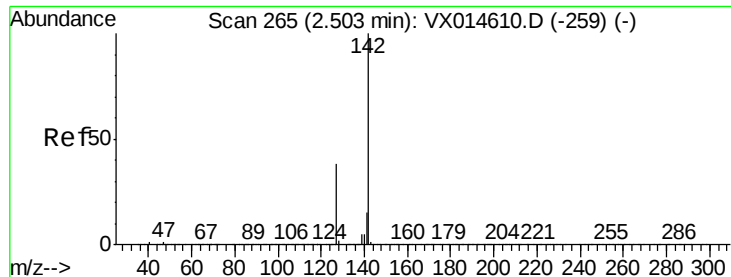


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

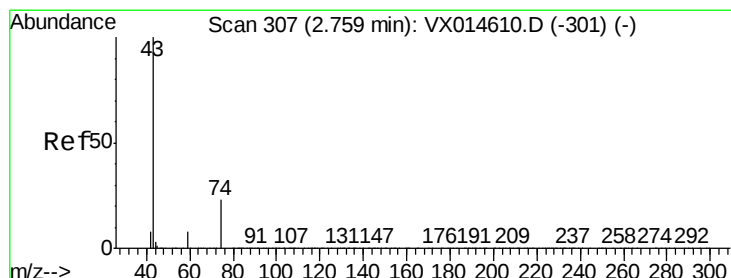
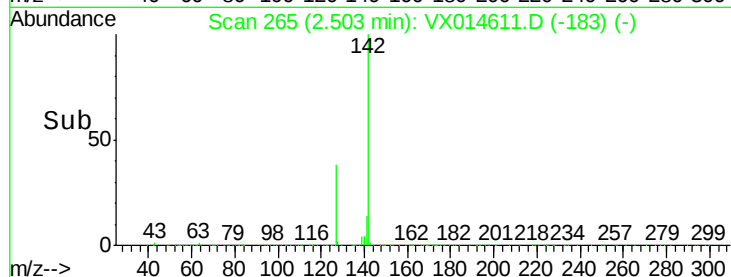
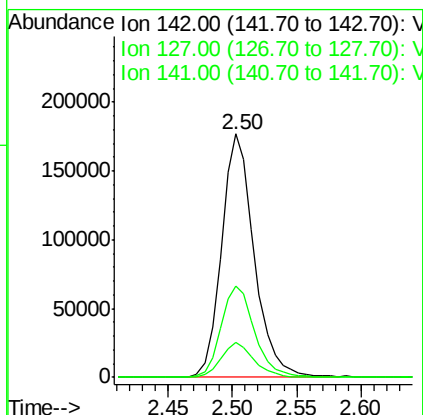
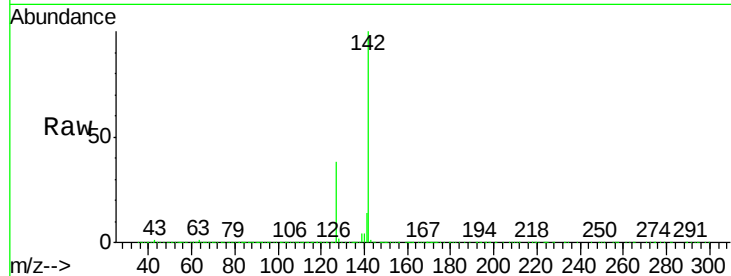




#11
Methyl Iodide
Concen: 56.121 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

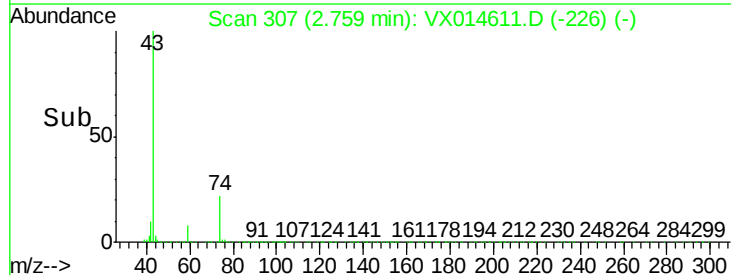
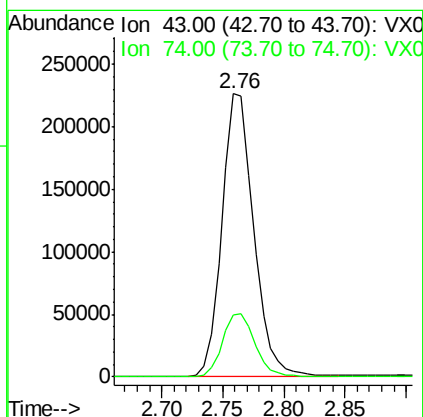
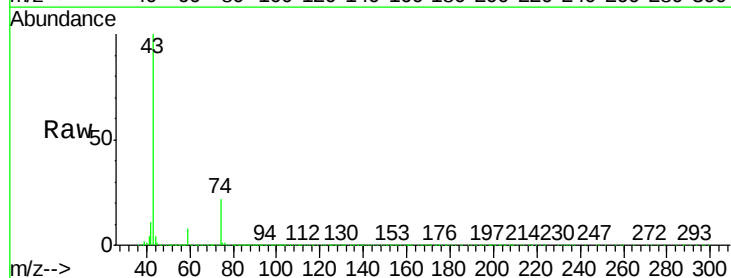
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

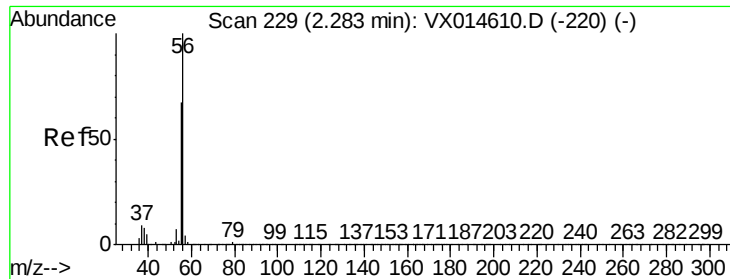
Tgt Ion: 142 Resp: 310809
Ion Ratio Lower Upper
142 100
127 37.5 19.5 58.5
141 14.2 7.0 20.9



#12
Methyl Acetate
Concen: 60.741 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 43 Resp: 404541
Ion Ratio Lower Upper
43 100
74 21.9 18.5 27.7

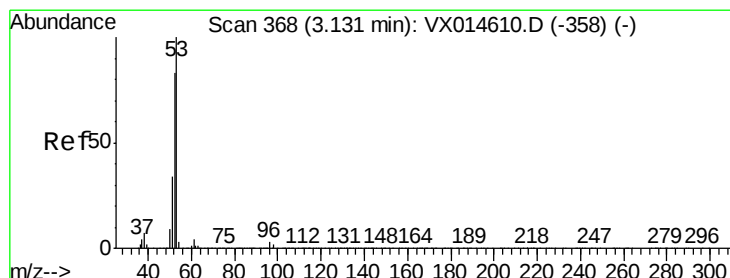
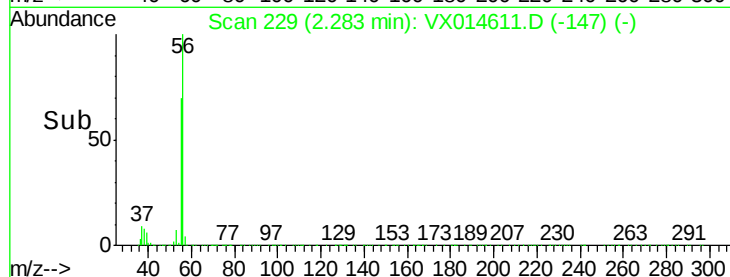
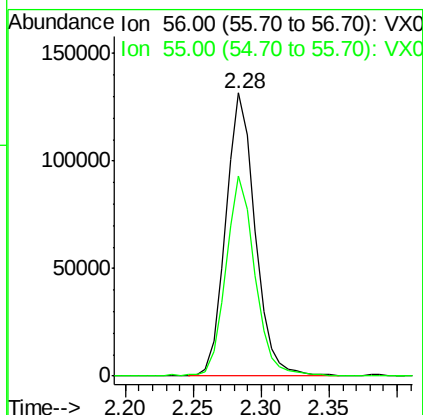
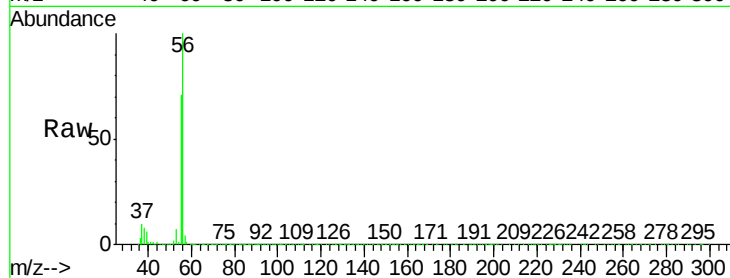




#13
Acrolein
Concen: 244.976 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

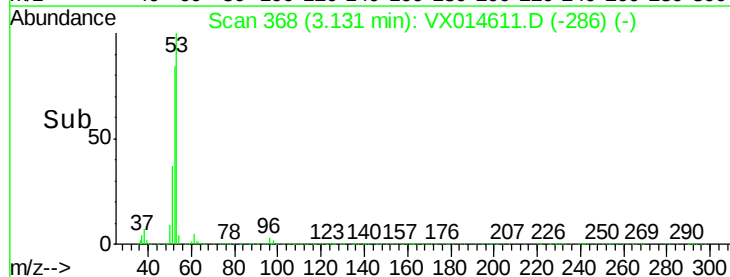
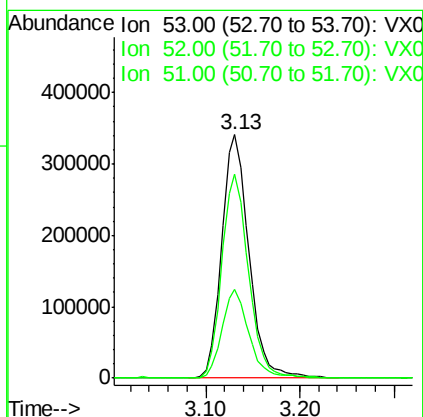
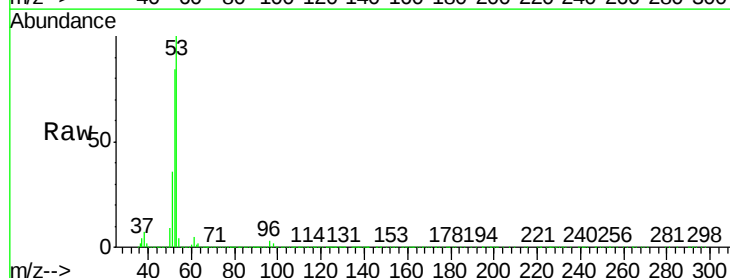
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

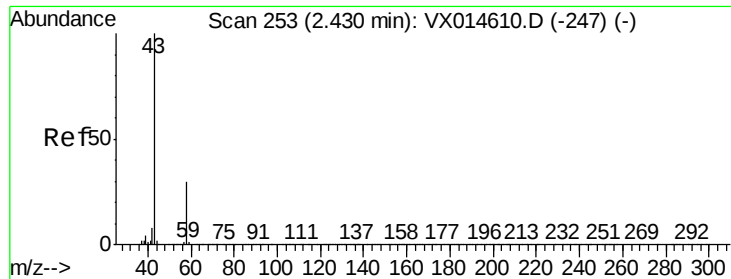
Tgt Ion: 56 Resp: 197888
Ion Ratio Lower Upper
56 100
55 68.9 54.9 82.3



#14
Acrylonitrile
Concen: 261.805 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 53 Resp: 681641
Ion Ratio Lower Upper
53 100
52 82.5 41.5 124.6
51 36.0 17.8 53.5





#15

Acetone

Concen: 311.289 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

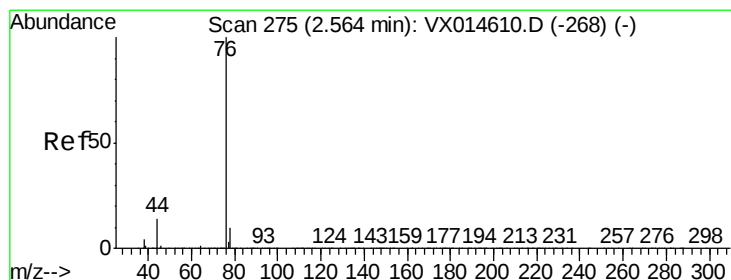
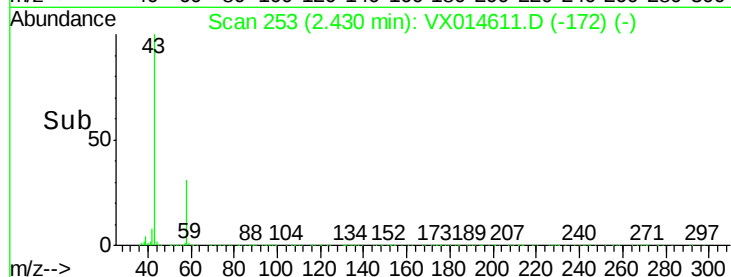
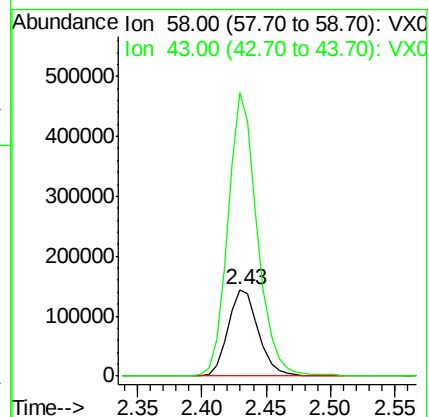
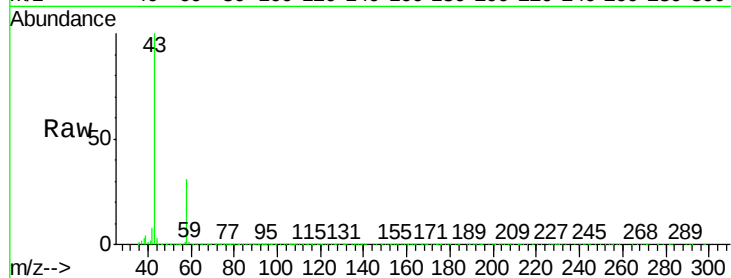
VSTDIC050

Tgt Ion: 58 Resp: 238089

Ion Ratio Lower Upper

58 100

43 327.8 236.3 354.5



#16

Carbon Disulfide

Concen: 52.303 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014611.D

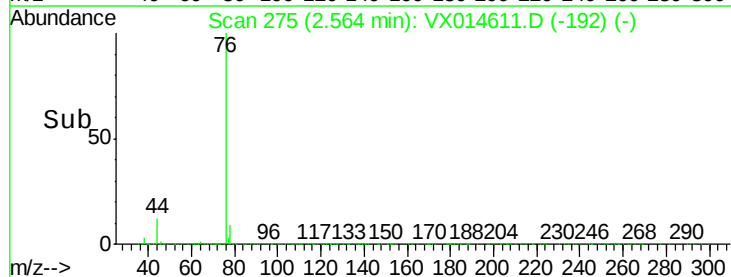
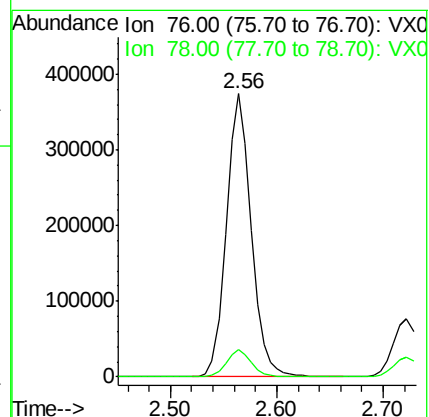
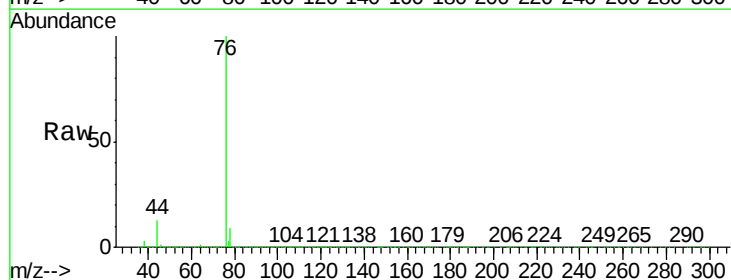
Acq: 15 Jan 2020 11:34

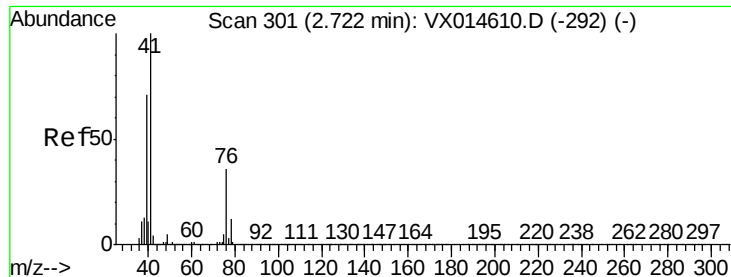
Tgt Ion: 76 Resp: 609565

Ion Ratio Lower Upper

76 100

78 9.4 7.8 11.8





#17

Allyl chloride

Concen: 52.615 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

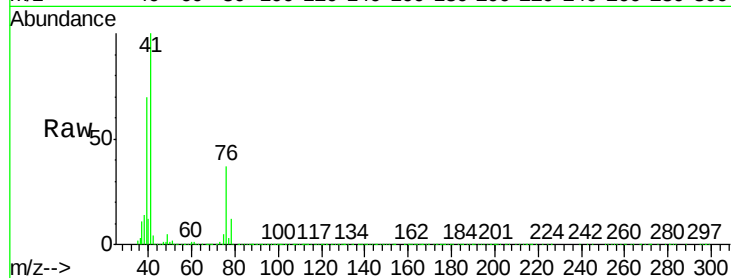
Tgt Ion: 41 Resp: 406751

Ion Ratio Lower Upper

41 100

39 70.2 33.4 100.2

76 36.9 17.0 50.9

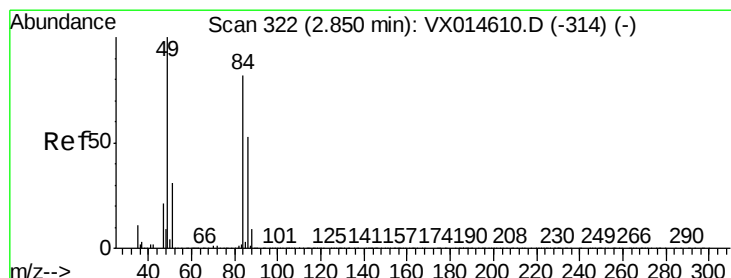
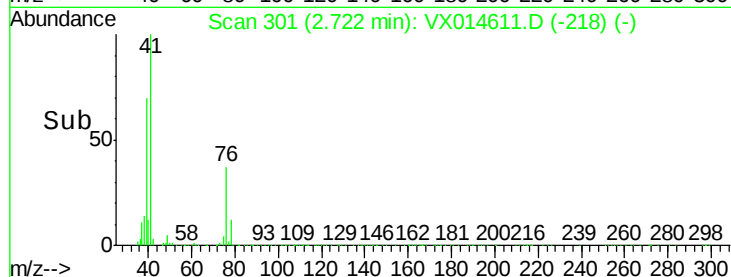
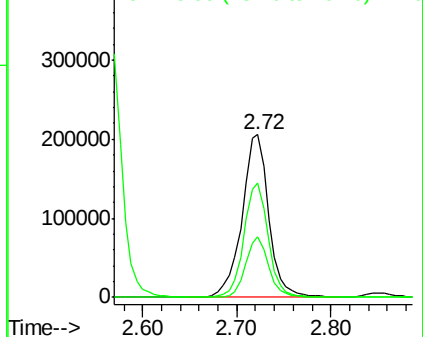


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 47.859 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Tgt Ion: 84 Resp: 252290

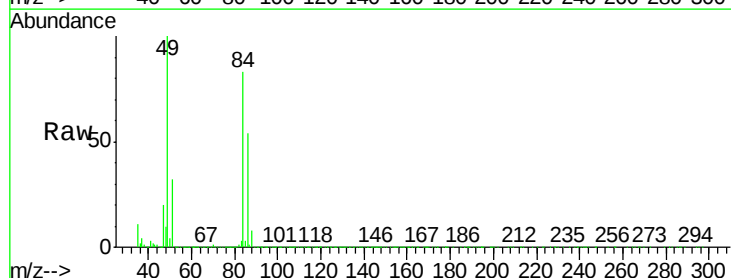
Ion Ratio Lower Upper

84 100

49 120.6 102.2 153.2

51 38.0 31.4 47.0

86 65.0 50.8 76.2



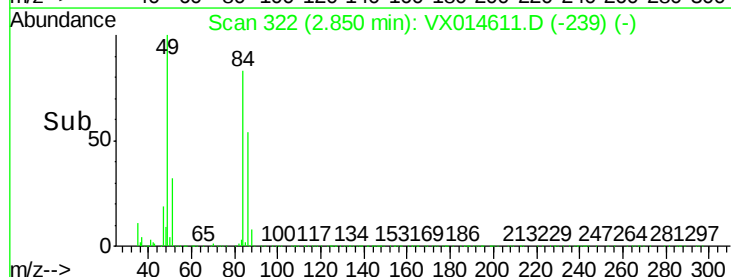
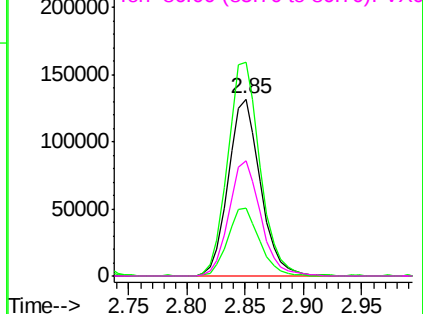
Abundance

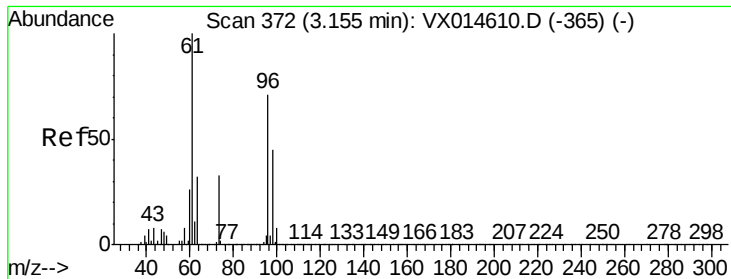
Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 50.351 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

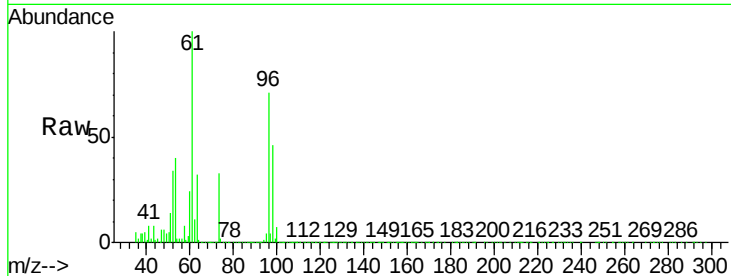
Tgt Ion: 96 Resp: 237208

Ion Ratio Lower Upper

96 100

61 141.3 106.6 159.8

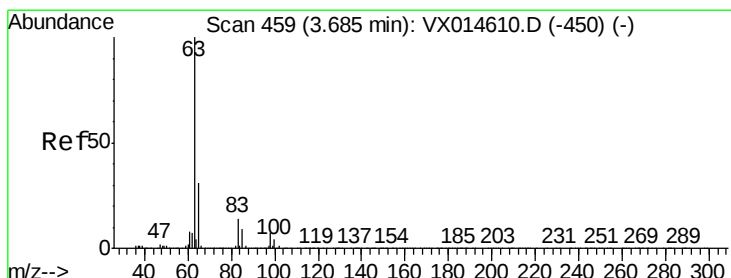
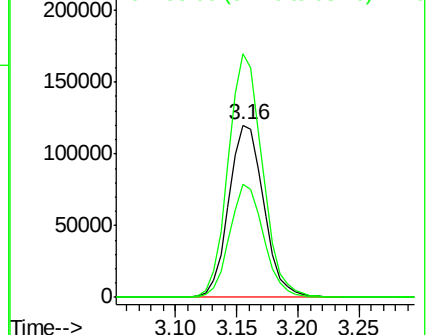
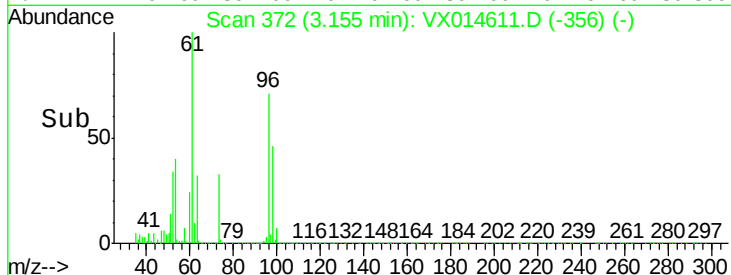
98 65.3 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#21

1,1-Dichloroethane

Concen: 50.253 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

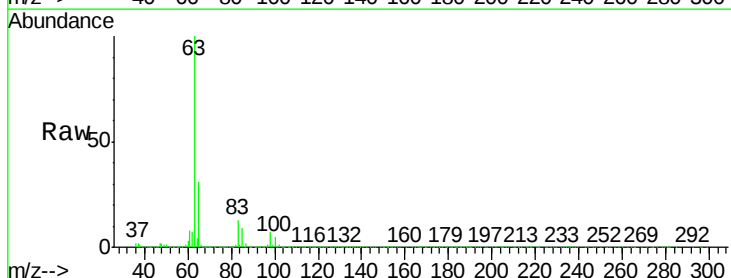
Tgt Ion: 63 Resp: 432638

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

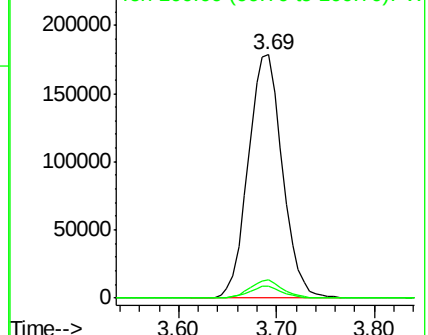
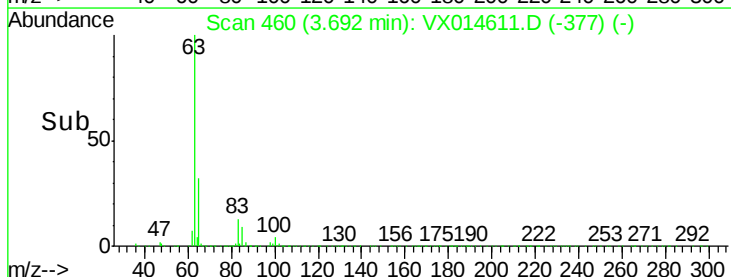
100 4.8 2.5 7.4

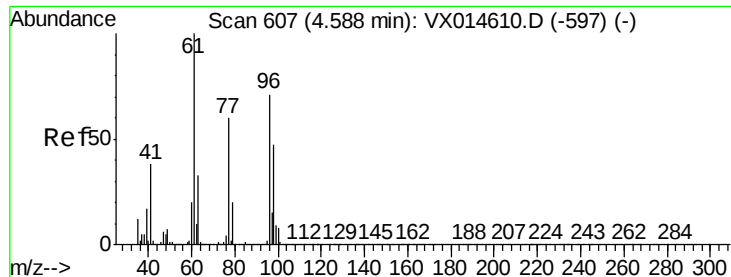


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



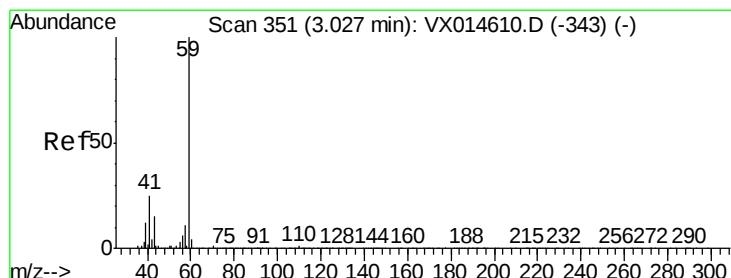
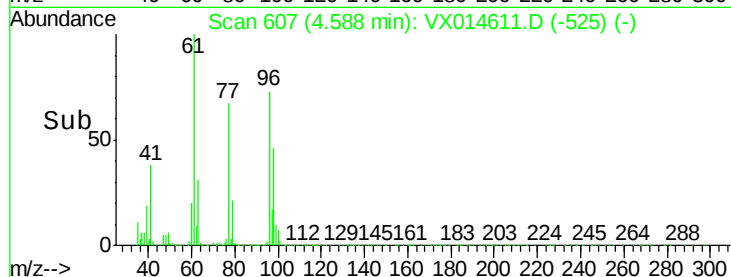
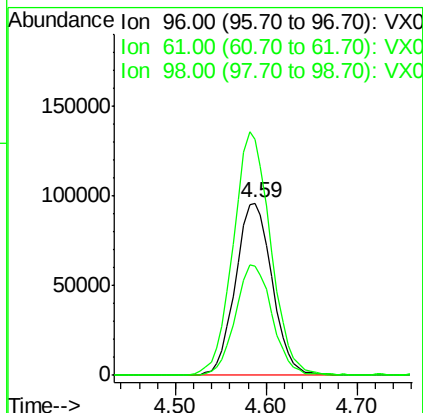
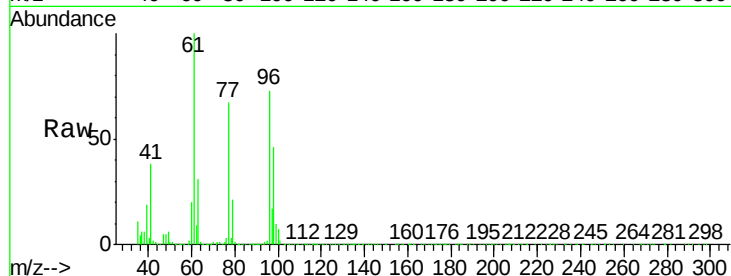


#22

cis-1,2-Dichloroethene
Concen: 49.084 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

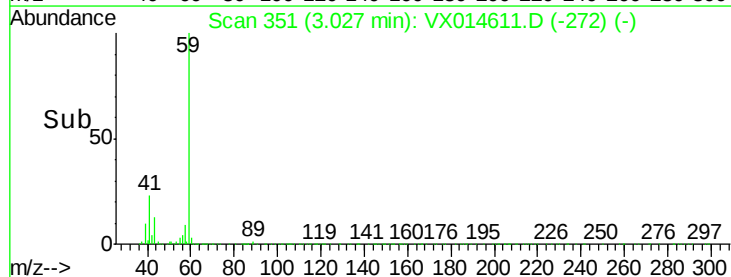
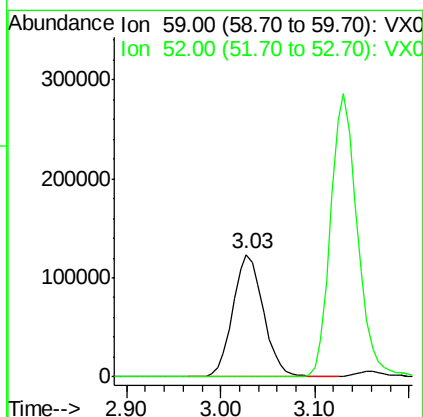
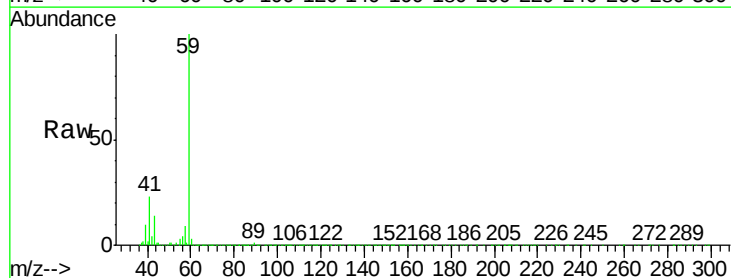
Tgt Ion: 96 Resp: 268059
Ion Ratio Lower Upper
96 100
61 144.8 112.4 168.6
98 63.9 50.3 75.5

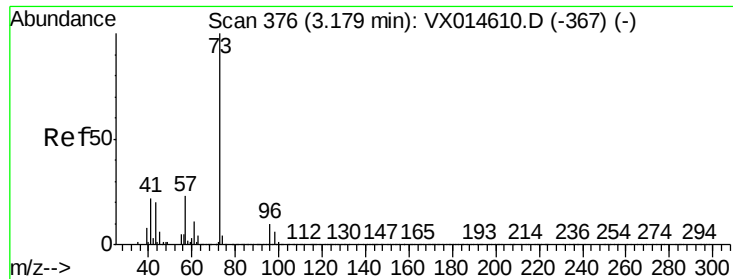


#23

tert-Butyl Alcohol
Concen: 272.761 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 59 Resp: 278549
Ion Ratio Lower Upper
59 100
52 0.1 0.2 0.2#



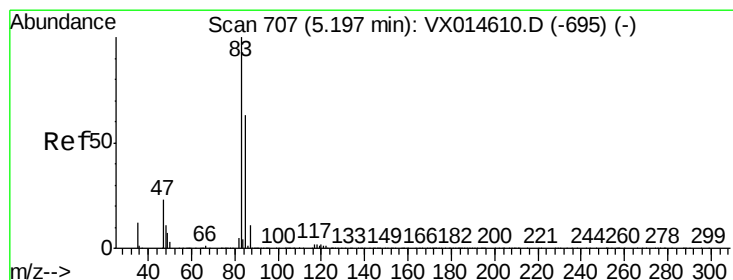
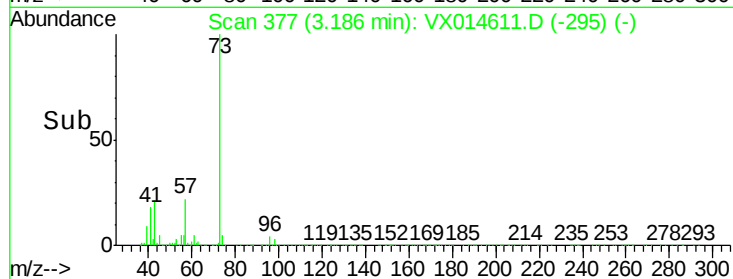
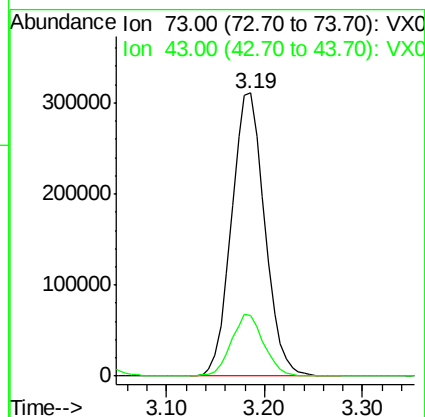
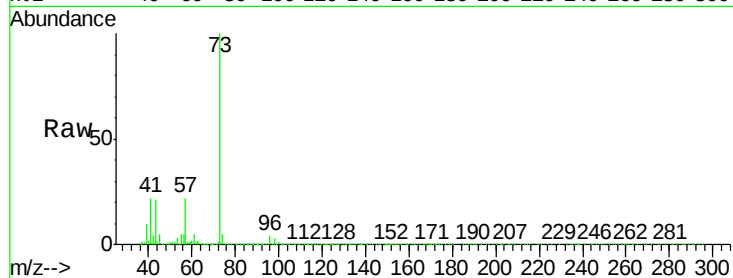


#24

Methyl tert-Butyl Ether
 Concen: 50.304 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

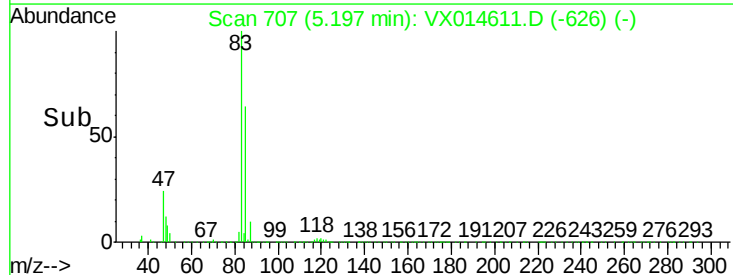
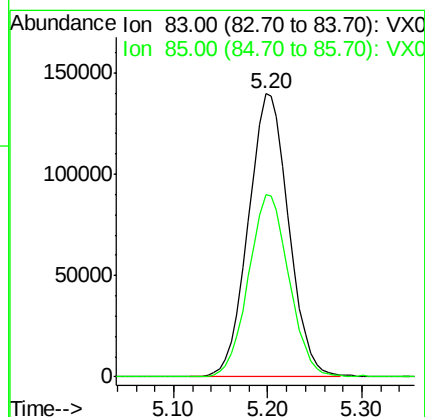
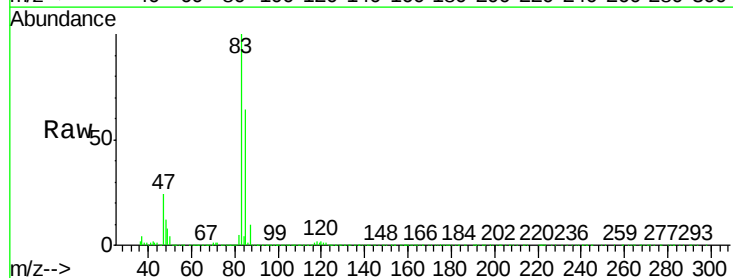
Tgt Ion: 73 Resp: 731050
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.6 25.0

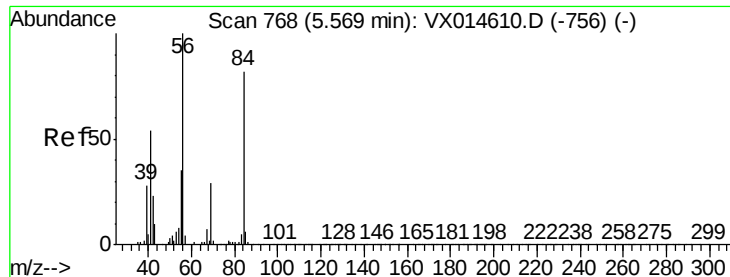


#25

Chloroform
 Concen: 50.974 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Tgt Ion: 83 Resp: 418387
 Ion Ratio Lower Upper
 83 100
 85 64.1 52.7 79.1

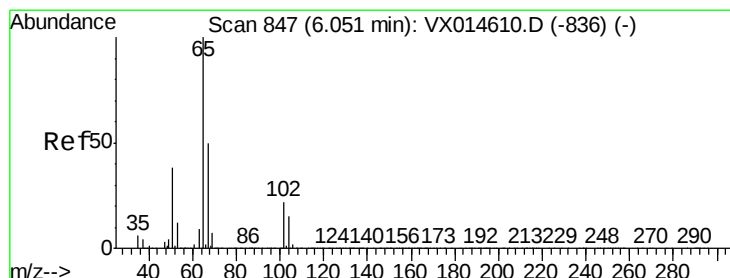
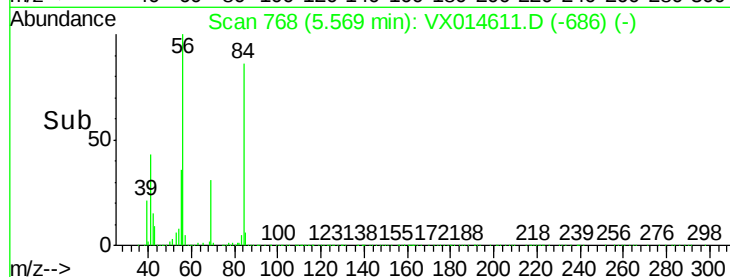
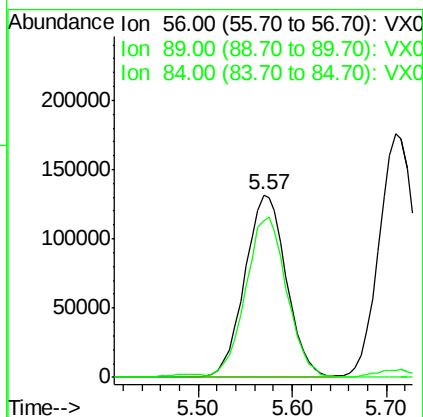
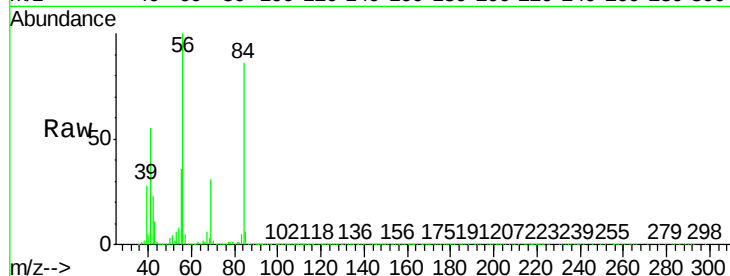




#26
Cyclohexane
Concen: 52.734 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

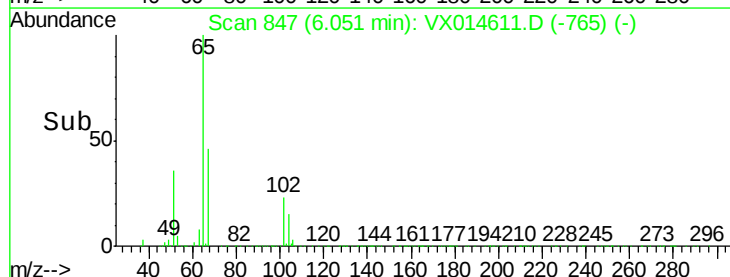
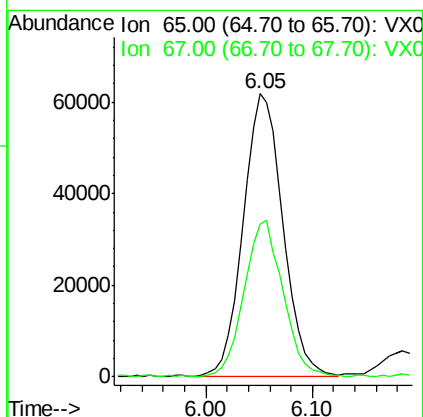
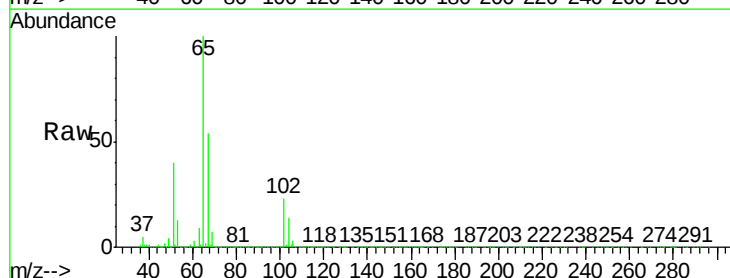
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

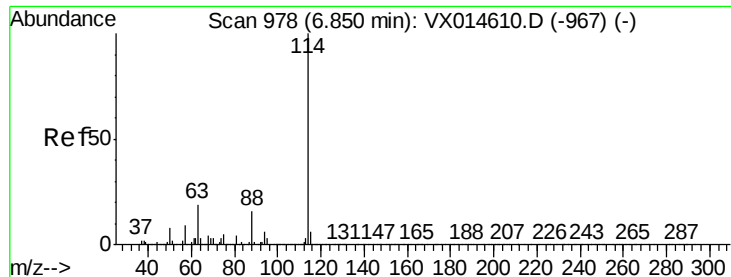
Tgt Ion: 56 Resp: 404824
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 87.2 70.8 106.2



#27
1,2-Dichloroethane-d4
Concen: 29.295 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 65 Resp: 161186
Ion Ratio Lower Upper
65 100
67 53.7 43.1 64.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

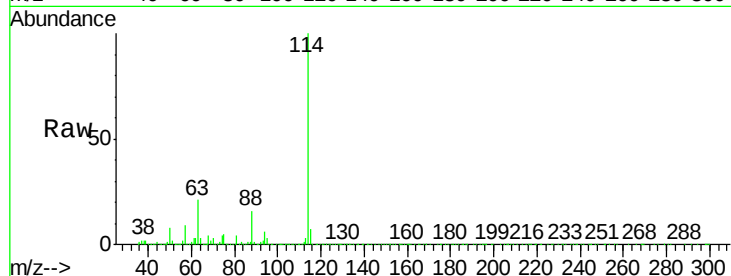
Tgt Ion: 114 Resp: 422724

Ion Ratio Lower Upper

114 100

63 20.6 16.1 24.1

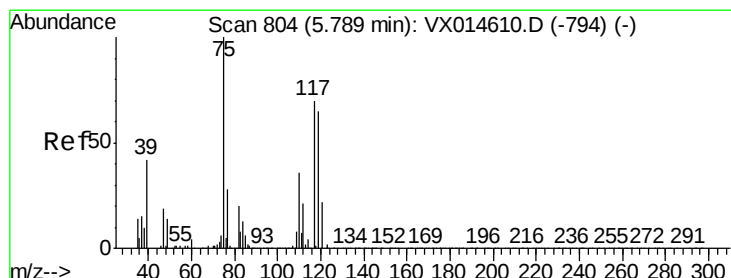
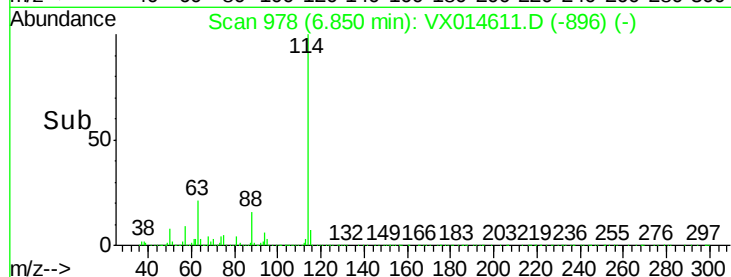
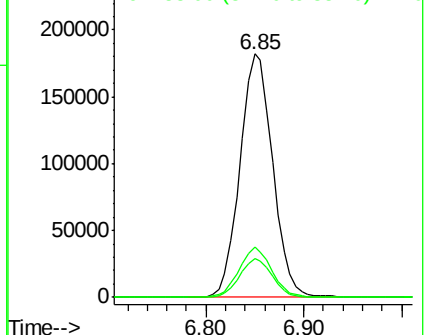
88 15.9 12.5 18.7



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: 53.142 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

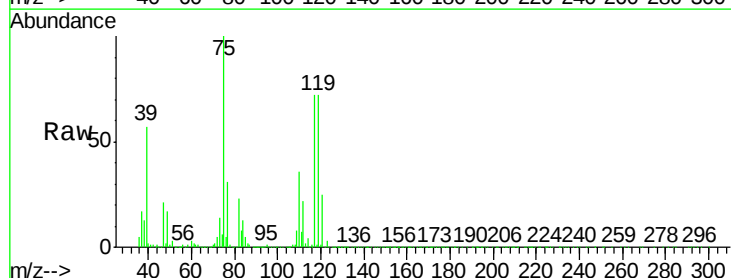
Tgt Ion: 75 Resp: 324491

Ion Ratio Lower Upper

75 100

110 35.7 0.0 73.8

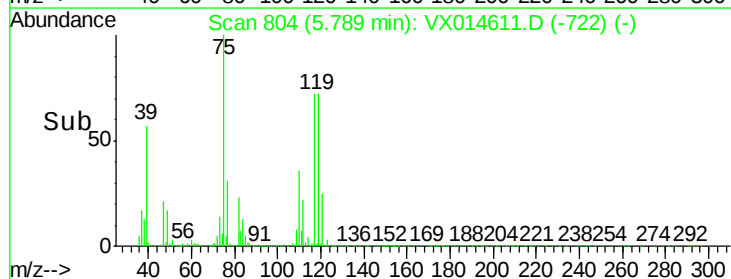
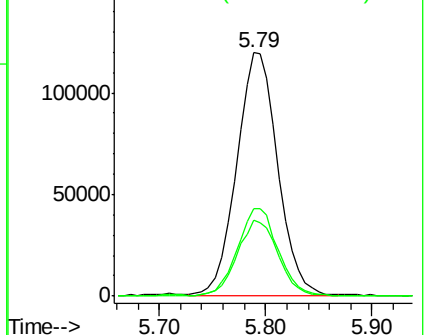
77 30.8 0.0 62.4

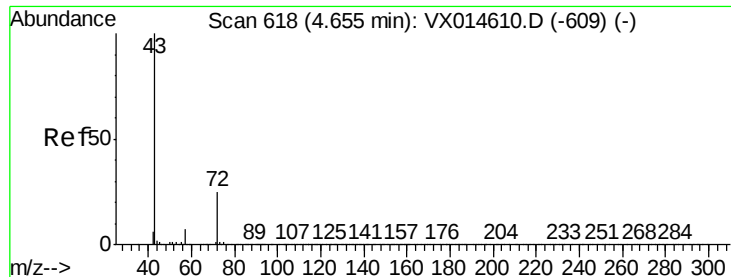


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0

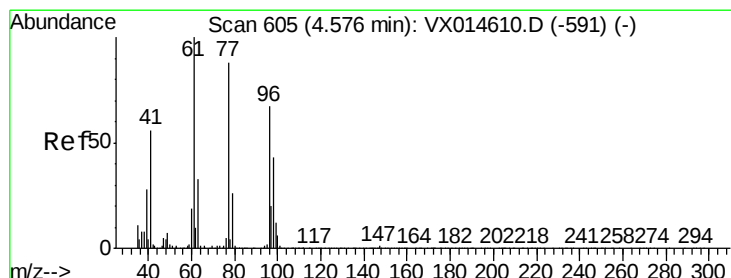
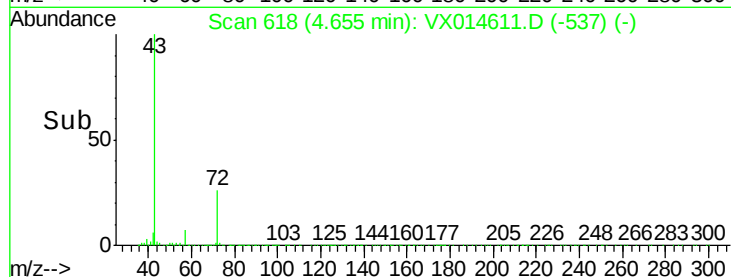
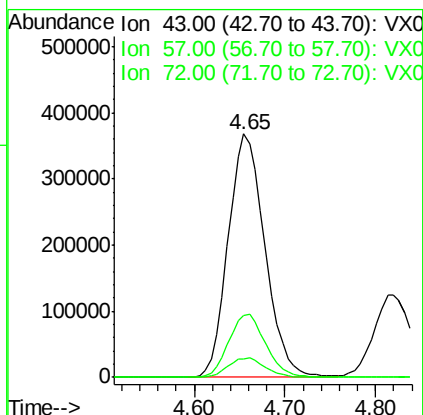
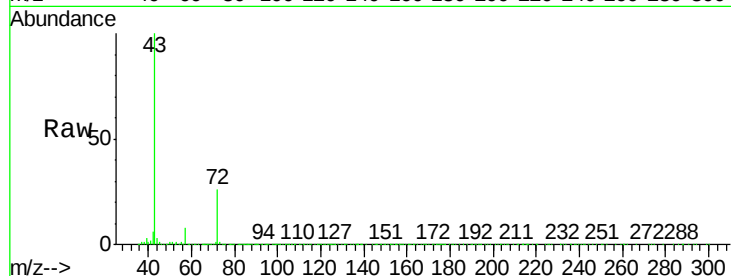




#30
2-Butanone
Concen: 286.274 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

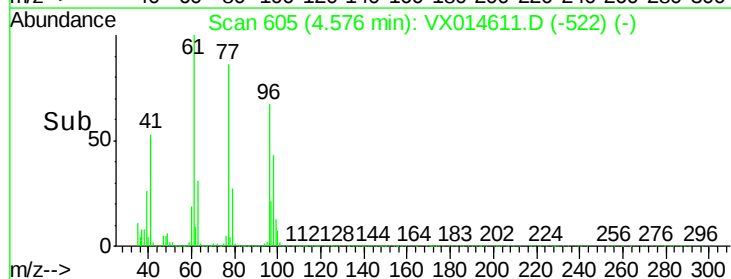
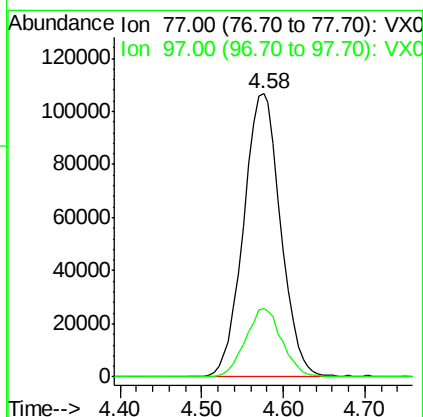
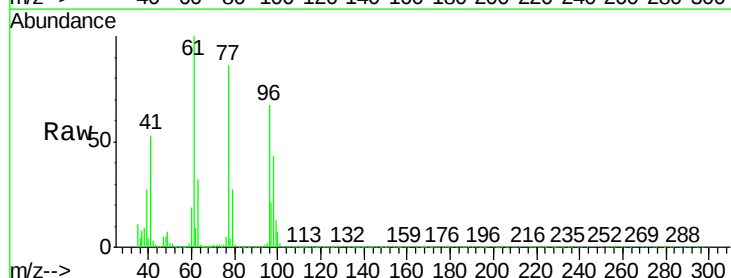
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

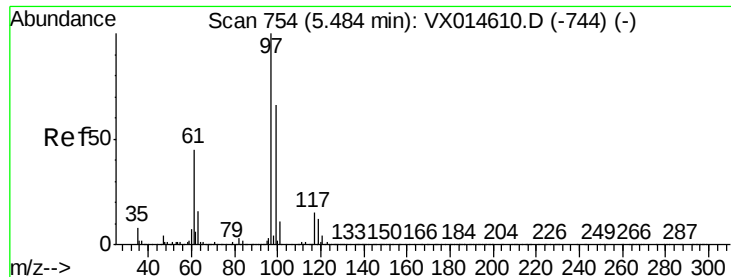
Tgt Ion: 43 Resp: 1030325
Ion Ratio Lower Upper
43 100
57 8.1 6.2 9.2
72 26.1 20.3 30.5



#31
2,2-Dichloropropane
Concen: 59.618 ug/l
RT: 4.58 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 77 Resp: 336736
Ion Ratio Lower Upper
77 100
97 23.8 19.7 29.5





#32

1,1,1-Trichloroethane

Concen: 52.204 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

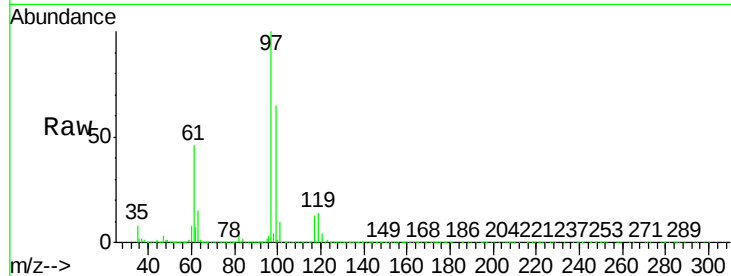
Tgt Ion: 97 Resp: 352579

Ion Ratio Lower Upper

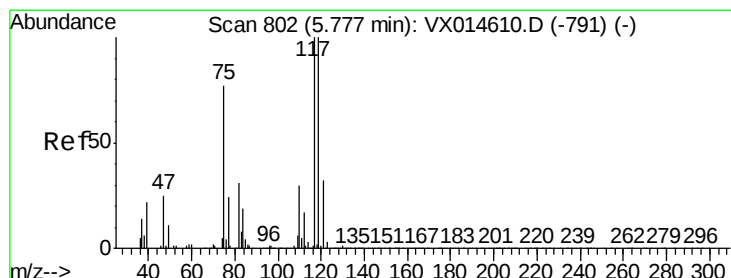
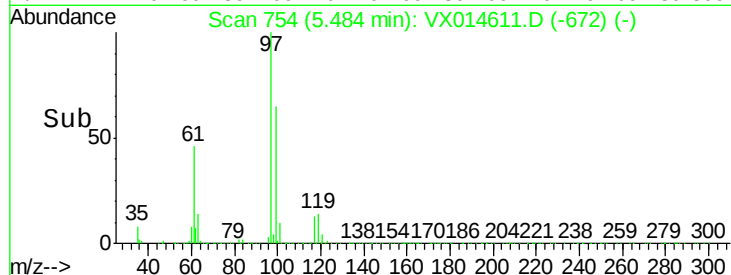
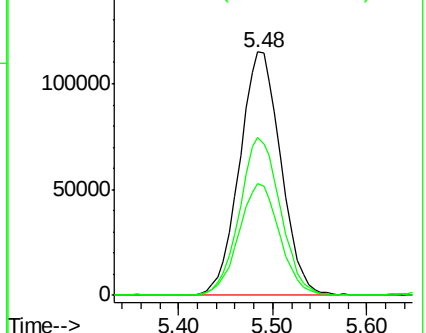
97 100

99 64.1 51.9 77.9

61 45.2 36.8 55.2



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#33

Carbon Tetrachloride

Concen: 52.952 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

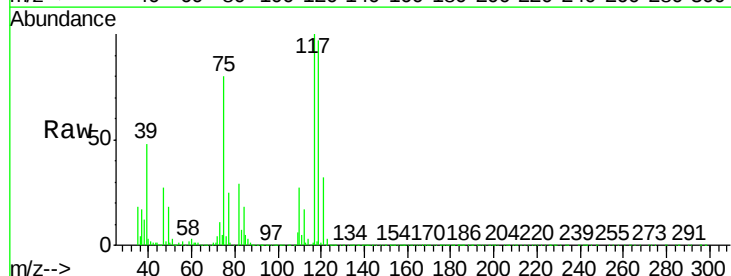
Tgt Ion: 117 Resp: 304011

Ion Ratio Lower Upper

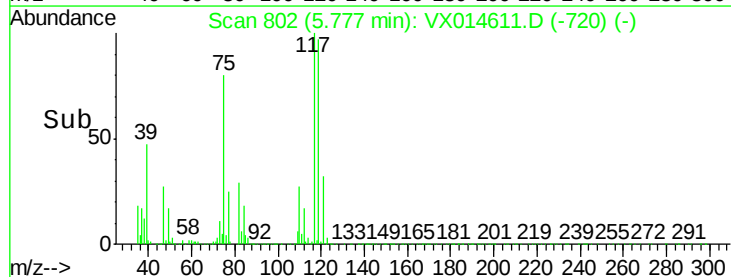
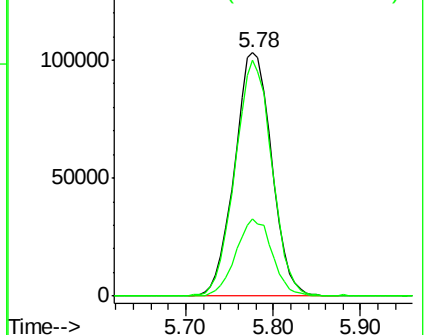
117 100

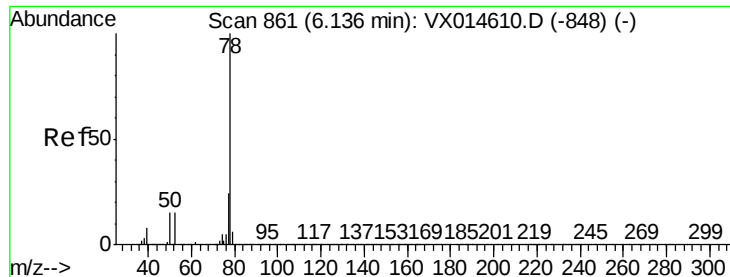
119 96.5 77.2 115.8

121 31.5 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: 51.975 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

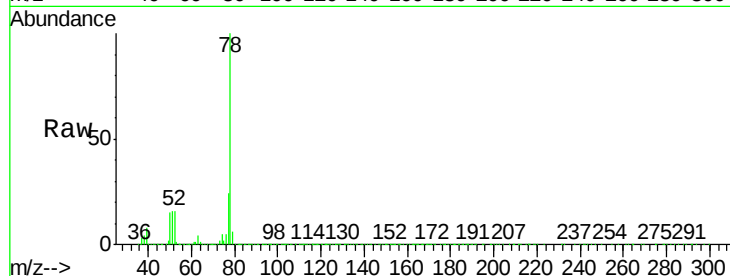
Tgt Ion: 78 Resp: 989577

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.2

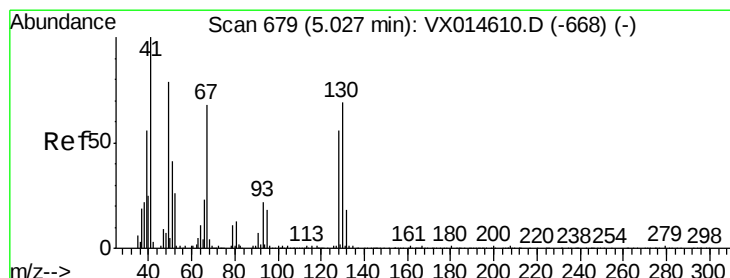
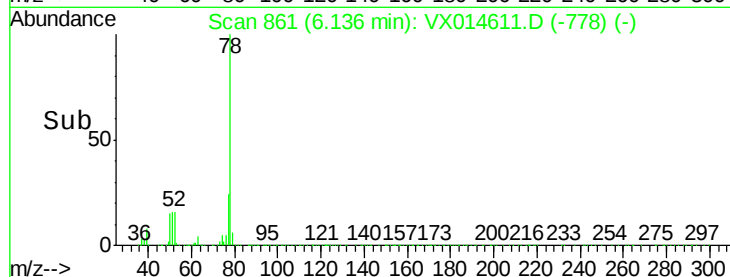
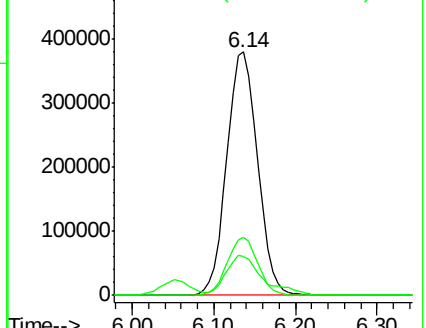
51 15.9 12.4 18.6



Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#35

Methacrylonitrile

Concen: 52.832 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Tgt Ion: 41 Resp: 204506

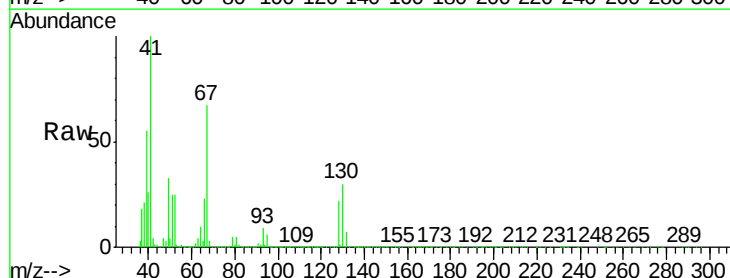
Ion Ratio Lower Upper

41 100

39 54.5 26.7 80.1

67 67.0 31.5 94.5

52 25.2 12.8 38.4

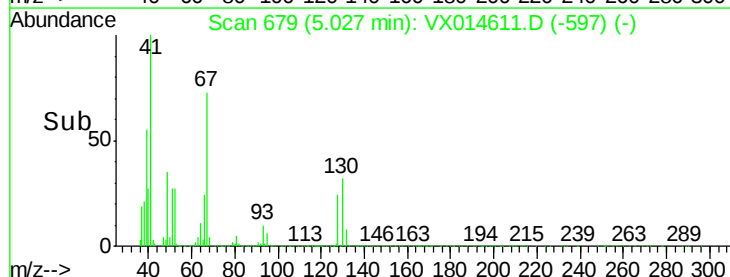
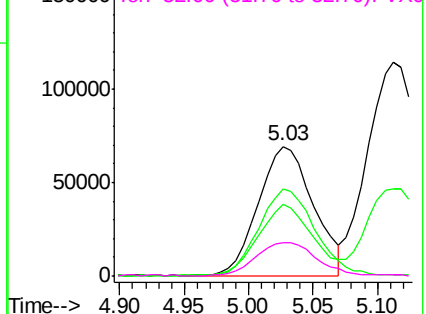


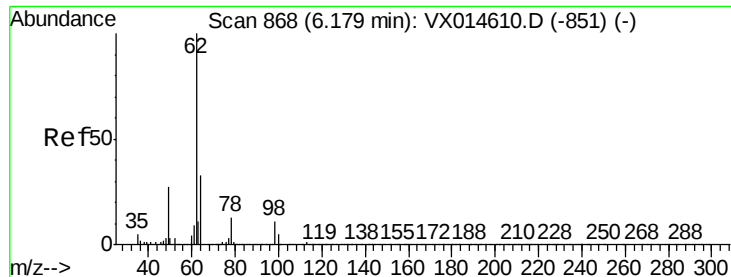
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#36

1,2-Dichloroethane

Concen: 50.419 ug/l

RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

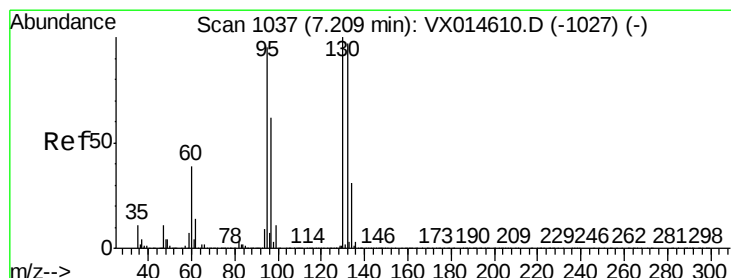
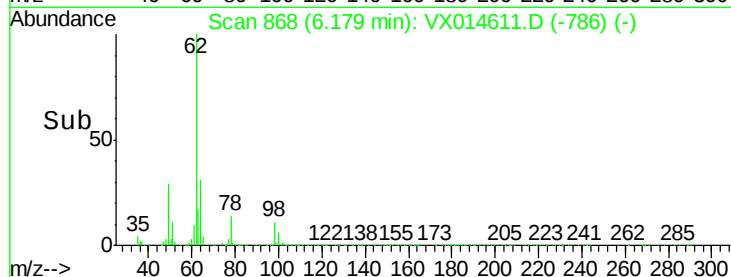
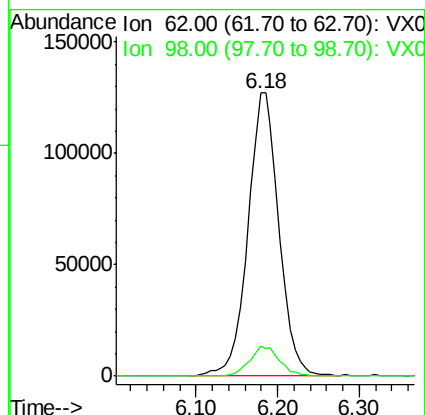
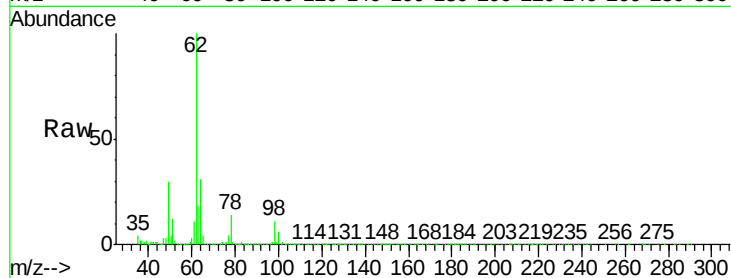
VSTDIC050

Tgt Ion: 62 Resp: 333459

Ion Ratio Lower Upper

62 100

98 10.1 8.4 12.6



#37

Trichloroethene

Concen: 51.836 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014611.D

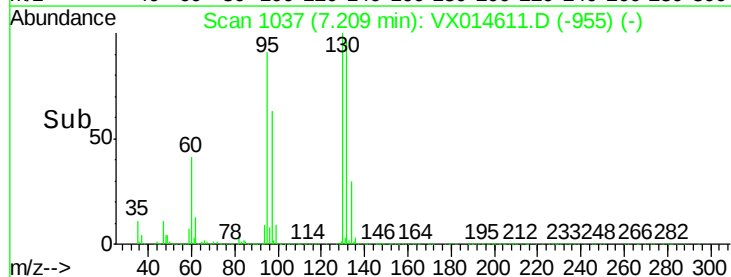
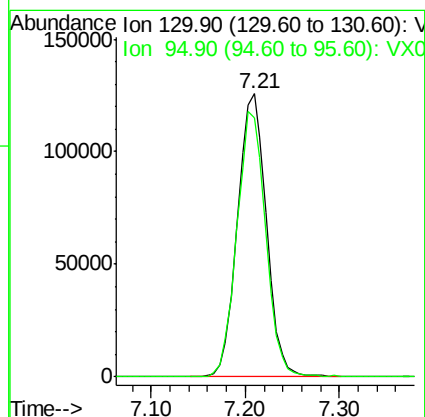
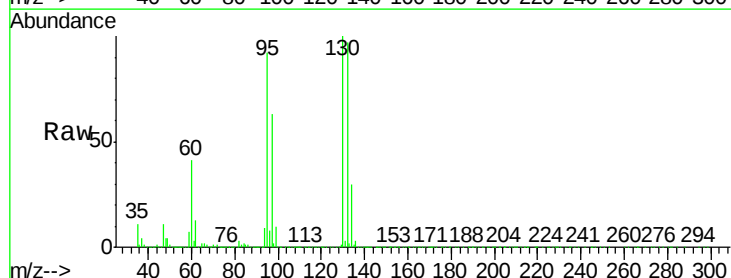
Acq: 15 Jan 2020 11:34

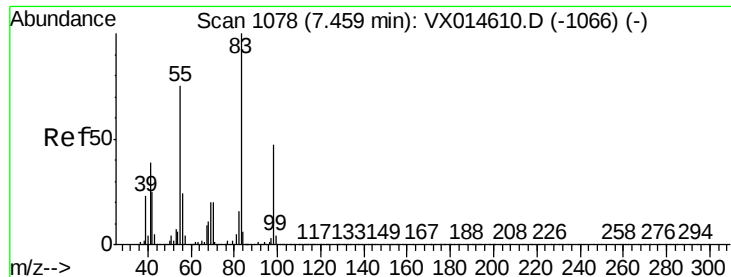
Tgt Ion: 130 Resp: 268552

Ion Ratio Lower Upper

130 100

95 91.5 71.7 107.5

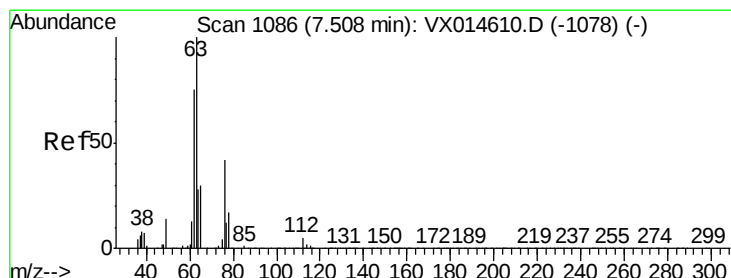
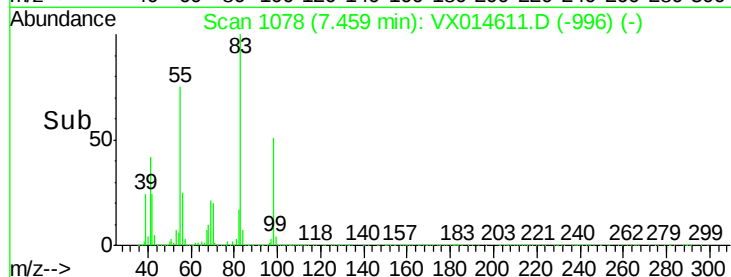
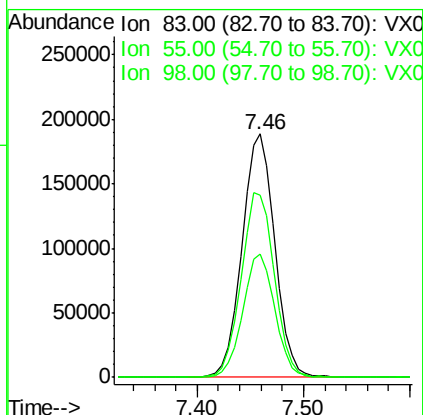
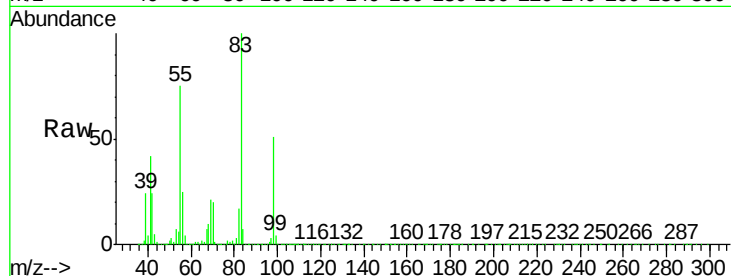




#38
Methylcyclohexane
Concen: 55.722 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

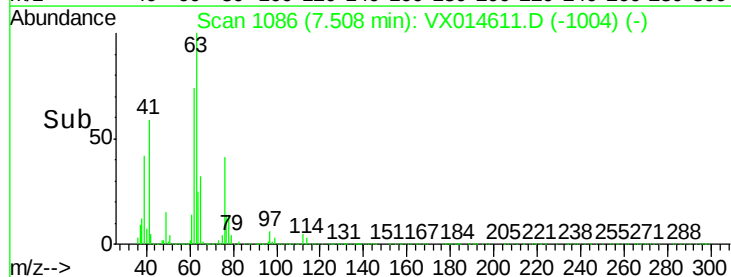
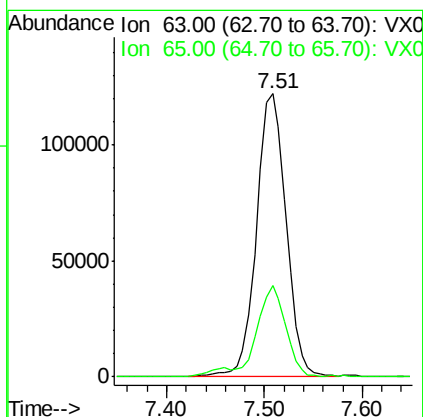
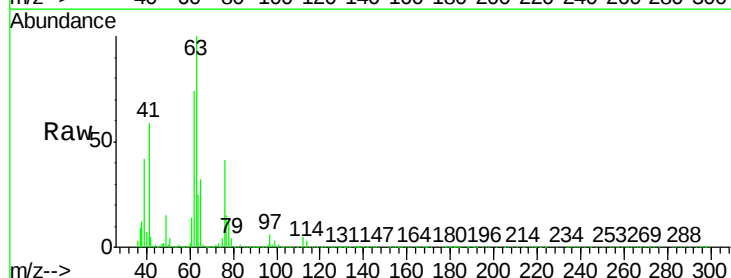
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

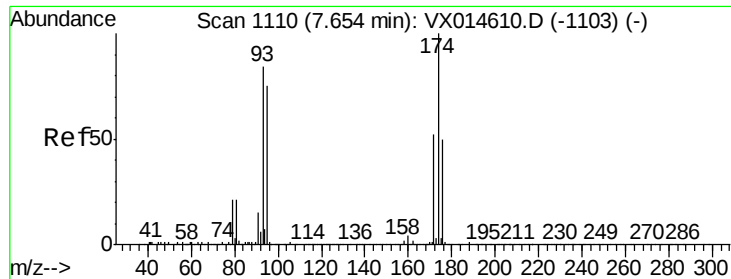
Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.8	39.4	118.1
98	50.0	25.1	75.3



#39
1,2-Dichloropropane
Concen: 51.725 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.1	33.1





#40

Dibromomethane

Concen: 52.130 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

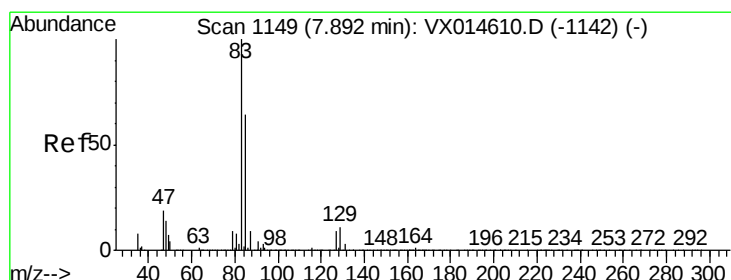
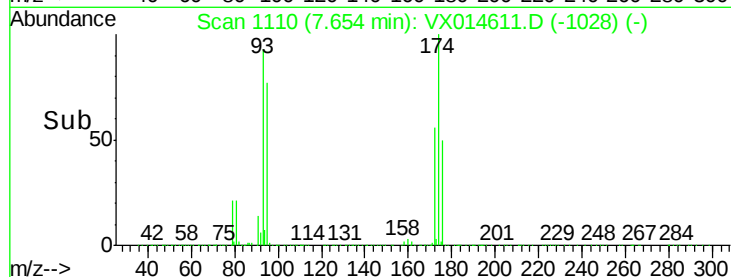
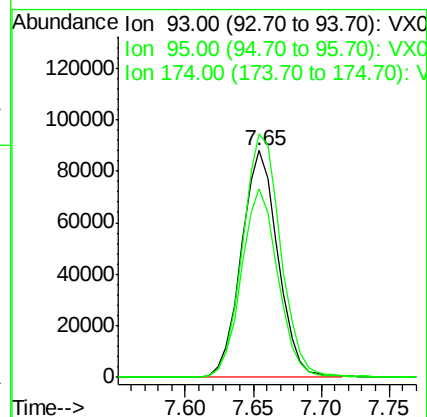
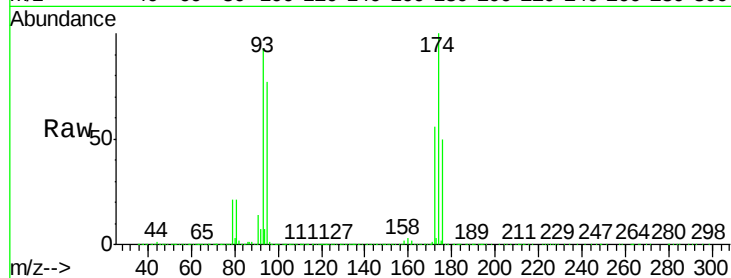
Tgt Ion: 93 Resp: 164679

Ion Ratio Lower Upper

93 100

95 82.7 0.0 164.4

174 111.9 0.0 228.8



#41

Bromodichloromethane

Concen: 52.942 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

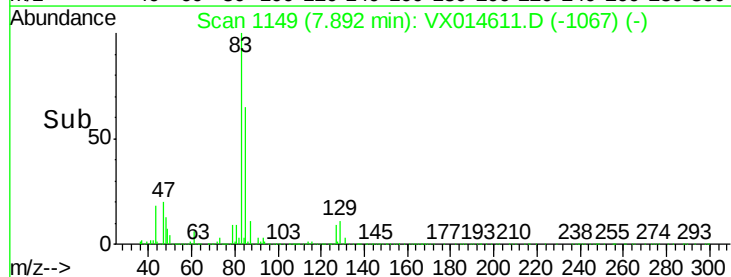
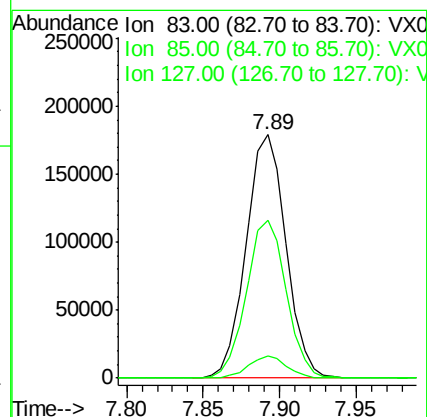
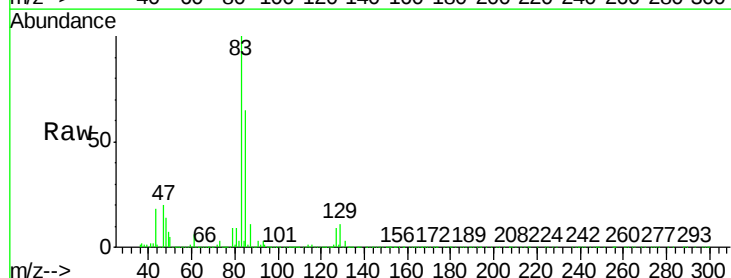
Tgt Ion: 83 Resp: 323834

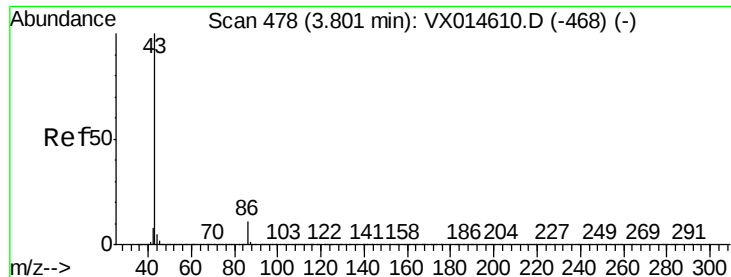
Ion Ratio Lower Upper

83 100

85 65.0 51.6 77.4

127 9.2 6.0 9.0#





#42

Vinyl Acetate

Concen: 245.294 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

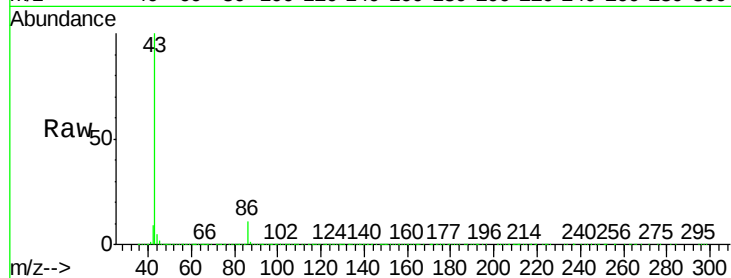
VSTDIC050

Tgt Ion: 43 Resp: 3116906

Ion Ratio Lower Upper

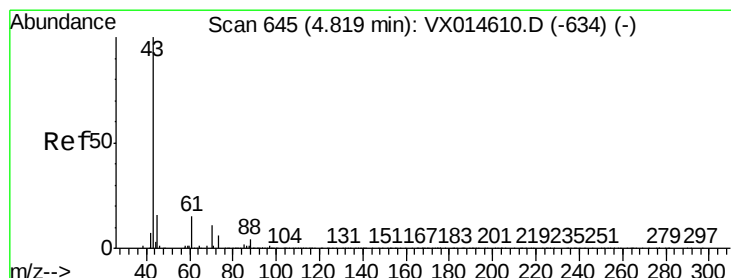
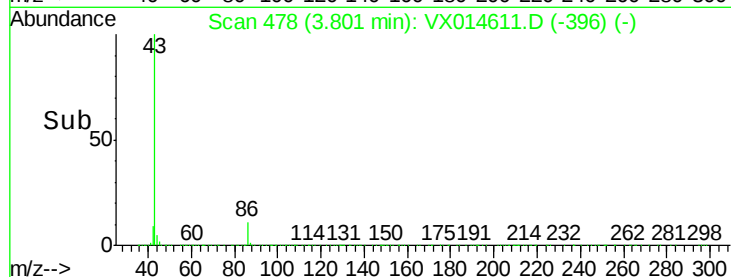
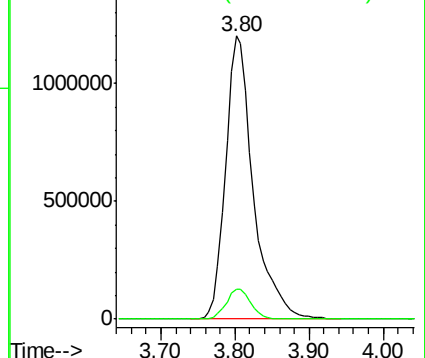
43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 53.398 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.01 min

Lab File: VX014611.D

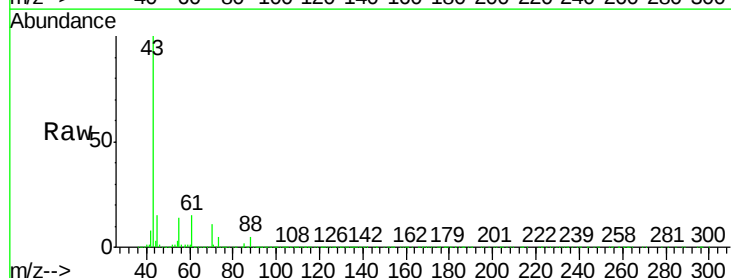
Acq: 15 Jan 2020 11:34

Tgt Ion: 43 Resp: 368768

Ion Ratio Lower Upper

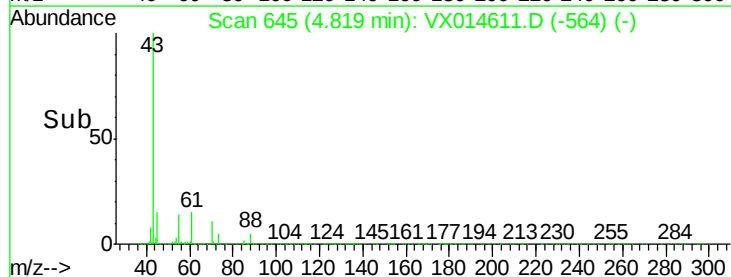
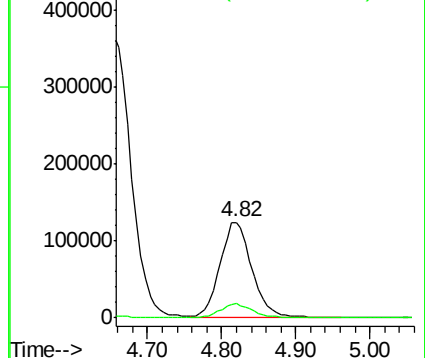
43 100

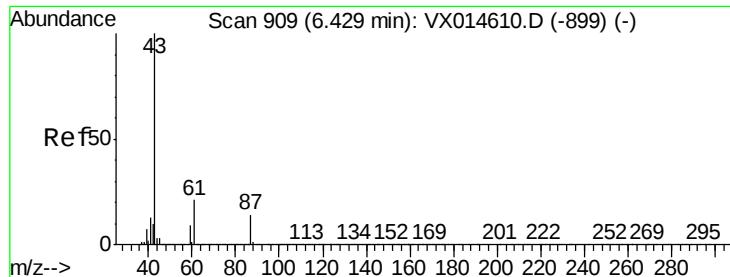
45 14.7 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#44

Isopropyl Acetate

Concen: 51.422 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

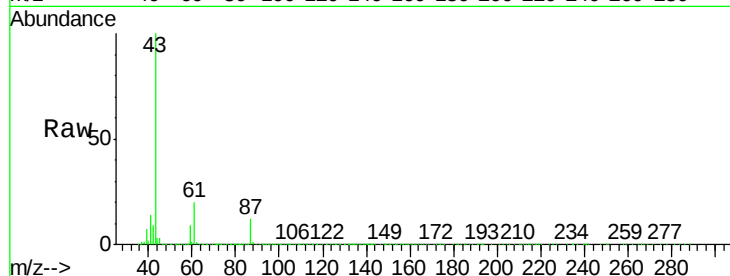
VSTDIC050

Tgt Ion: 43 Resp: 594777

Ion Ratio Lower Upper

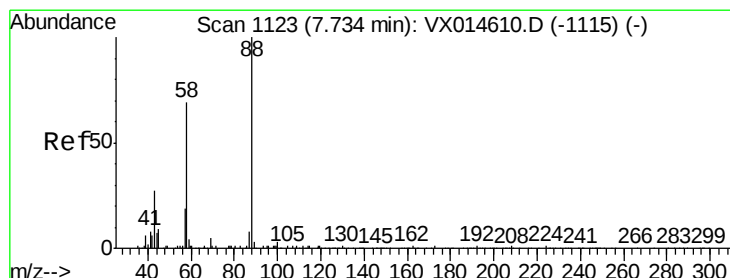
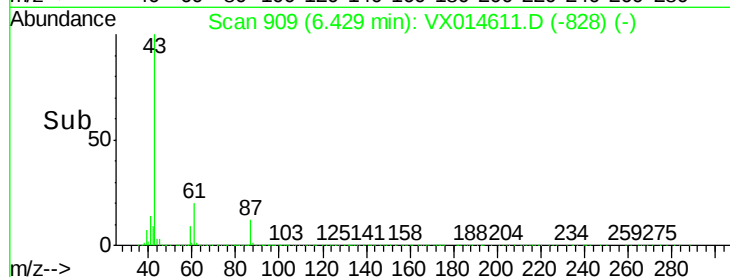
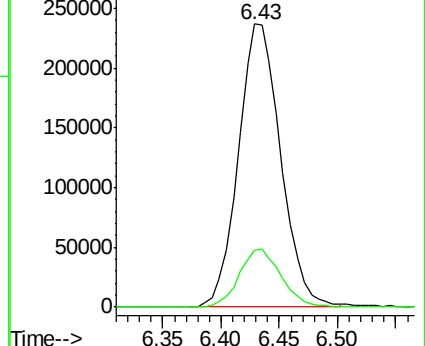
43 100

61 20.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#45

1,4-Dioxane

Concen: 1123.779 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

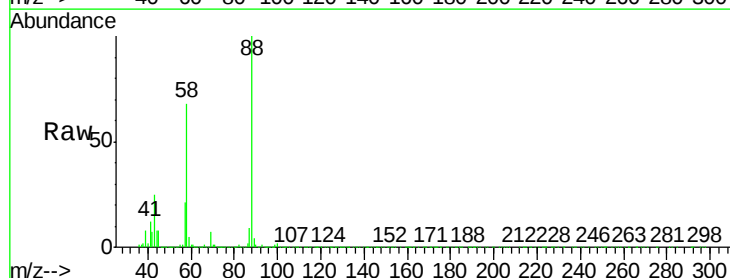
Tgt Ion: 88 Resp: 121724

Ion Ratio Lower Upper

88 100

43 33.1 25.4 38.2

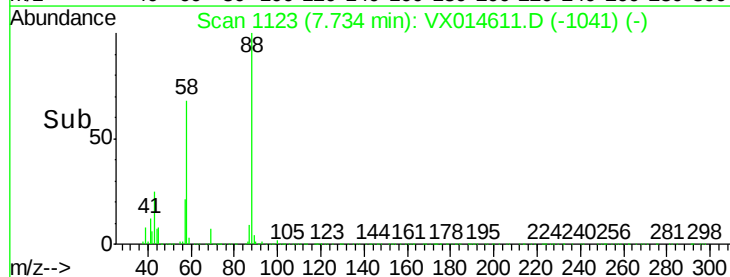
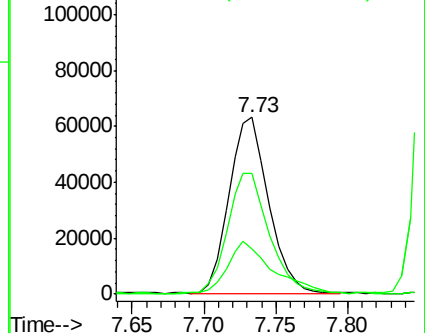
58 71.3 56.5 84.7

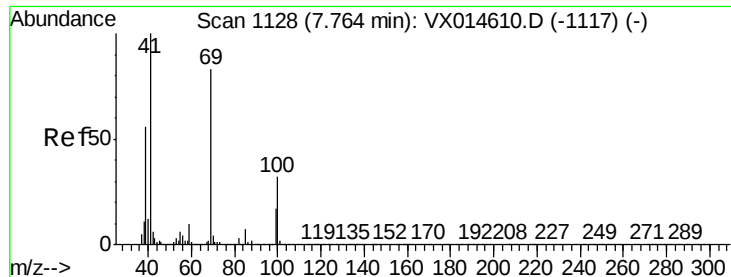


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

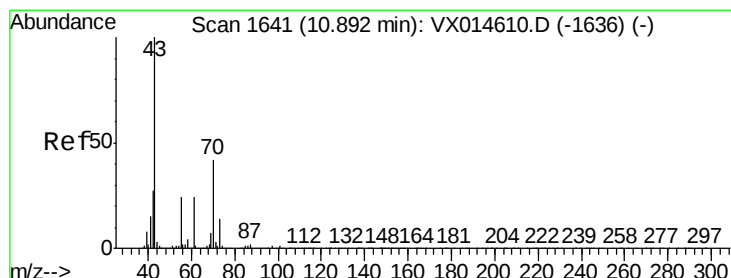
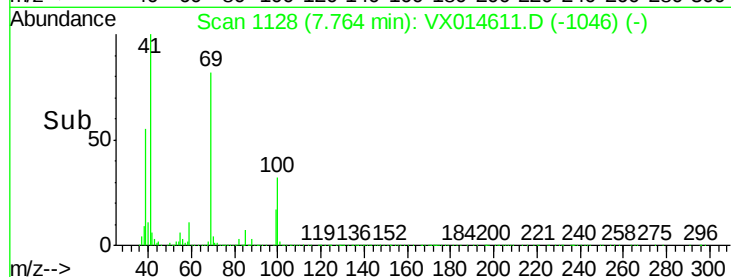
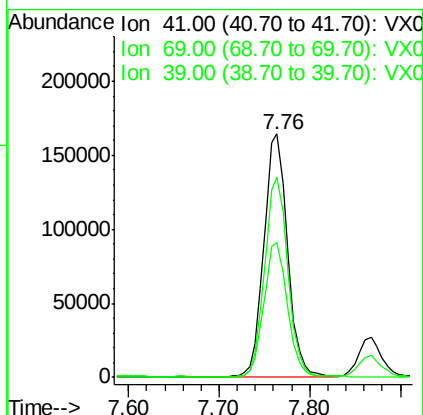
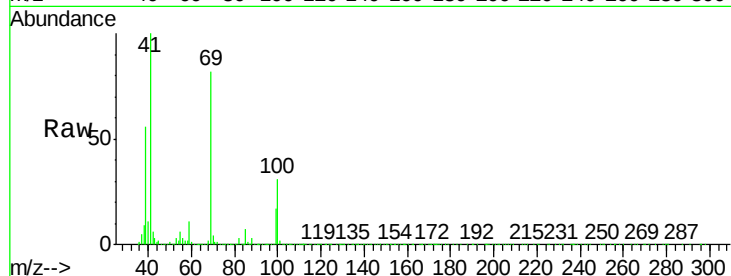




#46
Methyl methacrylate
Concen: 52.758 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

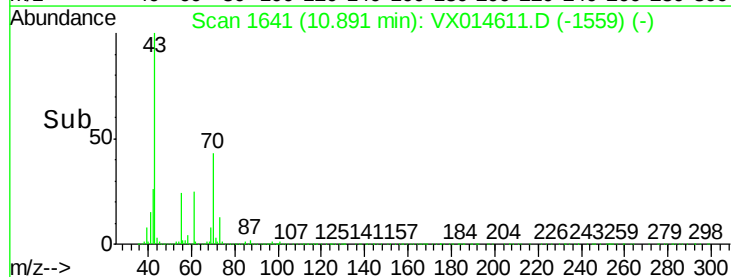
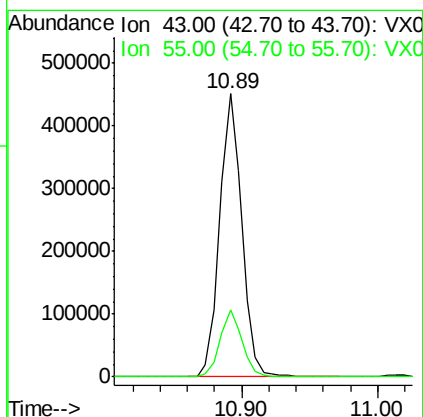
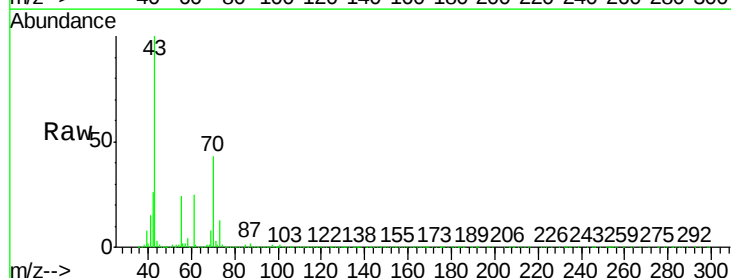
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

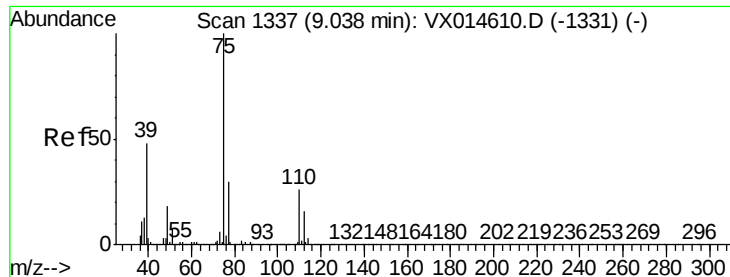
Tgt Ion: 41 Resp: 296410
Ion Ratio Lower Upper
41 100
69 82.0 40.6 122.0
39 55.6 27.8 83.3



#47
n-ethyl acetate
Concen: 49.267 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 43 Resp: 506700
Ion Ratio Lower Upper
43 100
55 24.0 19.4 29.2

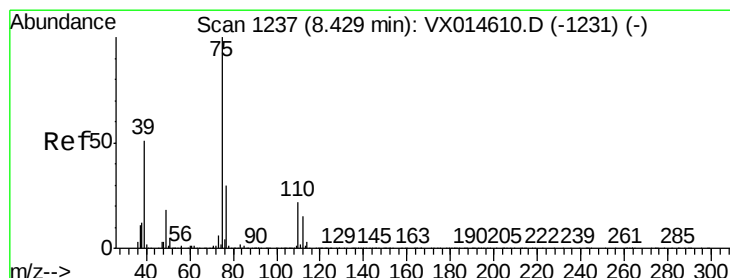
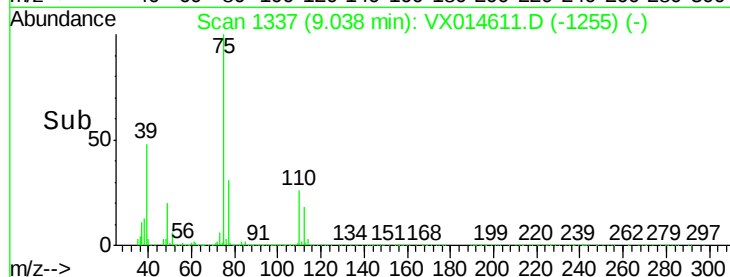
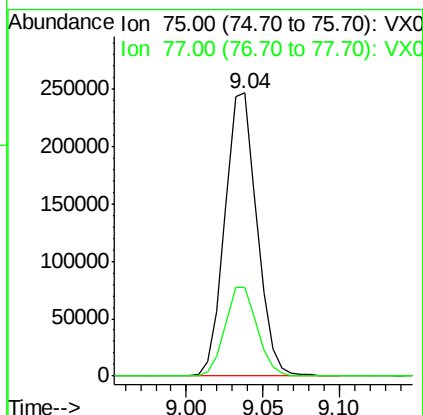
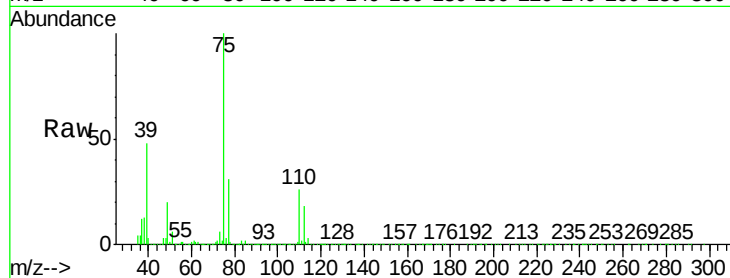




#48
t-1,3-Dichloropropene
Concen: 53.592 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

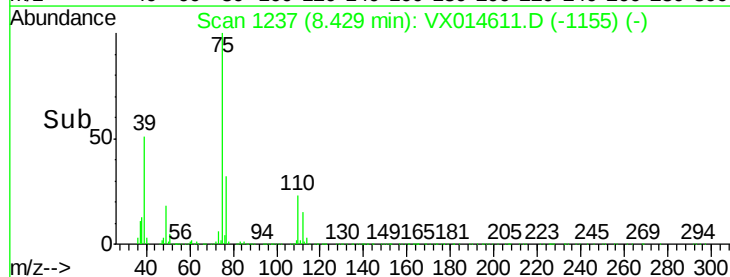
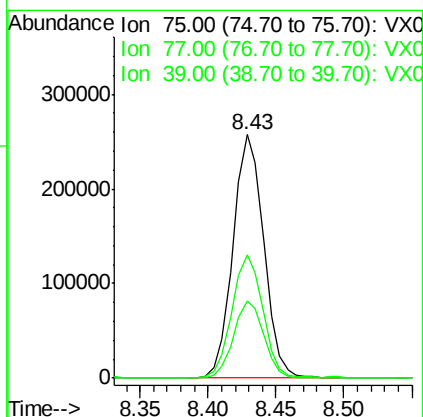
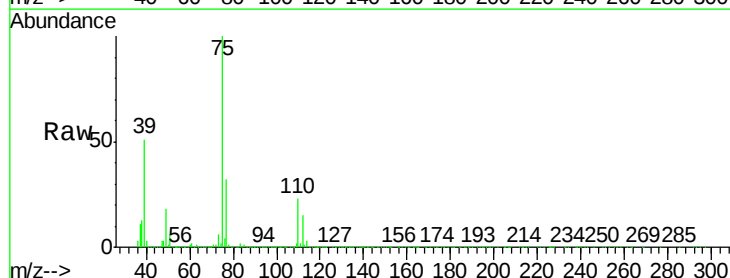
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

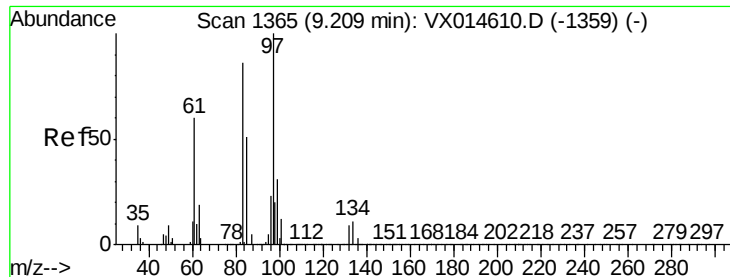
Tgt Ion: 75 Resp: 357787
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0



#49
cis-1,3-Dichloropropene
Concen: 53.928 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 75 Resp: 404886
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 50.7 41.1 61.7

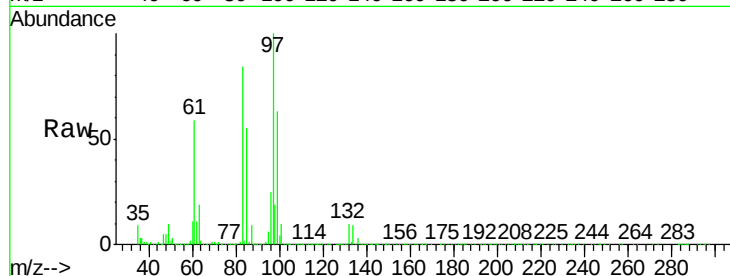




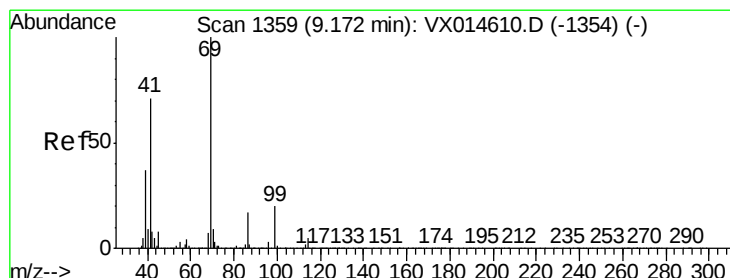
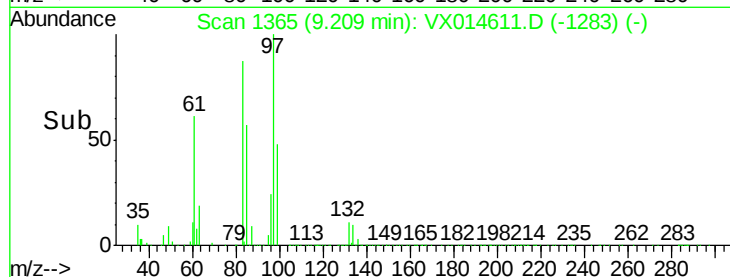
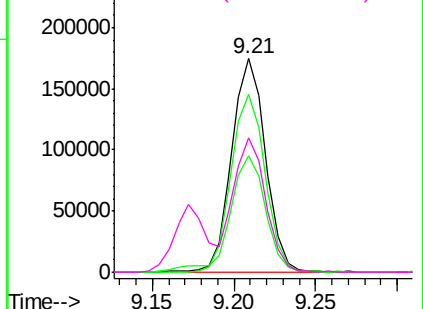
#50
 1,1,2-Trichloroethane
 Concen: 51.611 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:	97	Resp:	251623
Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.1	102.1
85	54.8	42.7	64.1
99	63.0	50.3	75.5

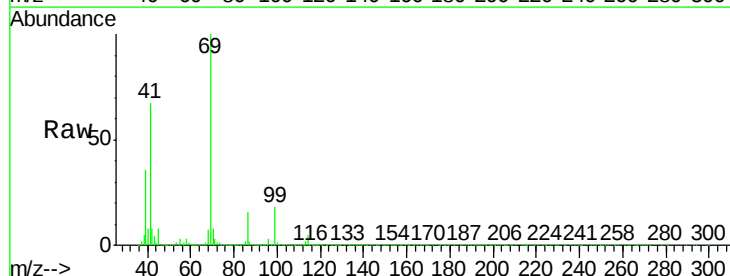


Abundance Ion 97.00 (96.70 to 97.70): VX0

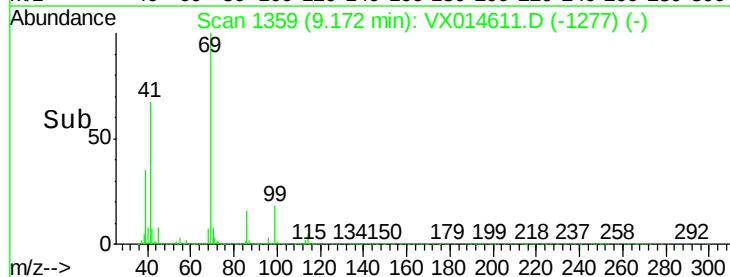
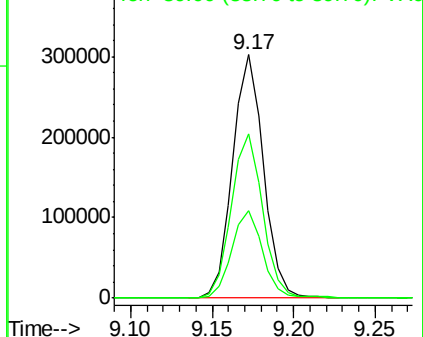


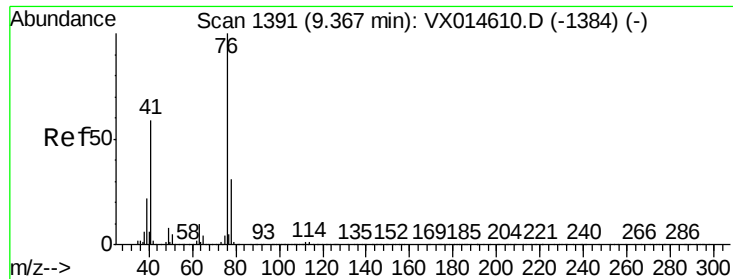
#51
 Ethyl methacrylate
 Concen: 51.431 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Tgt Ion:	69	Resp:	398843
Ion	Ratio	Lower	Upper
69	100		
41	67.2	35.4	106.1
39	35.7	17.8	53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0





#52

1,3-Dichloropropane

Concen: 51.015 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

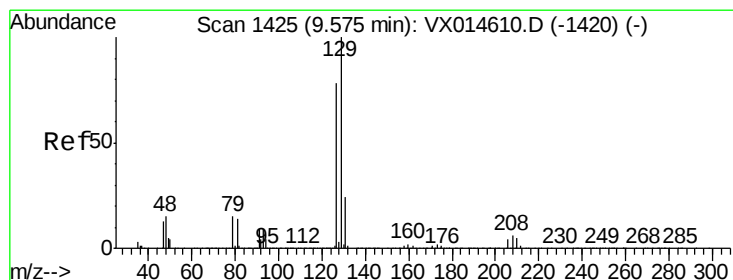
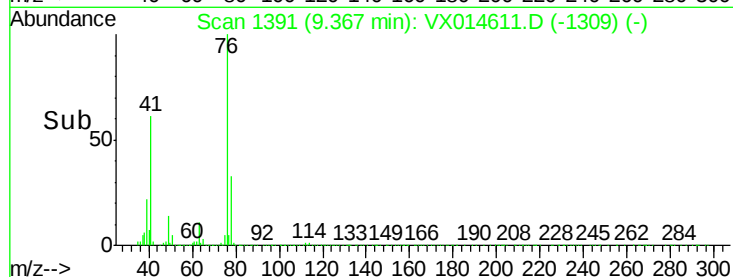
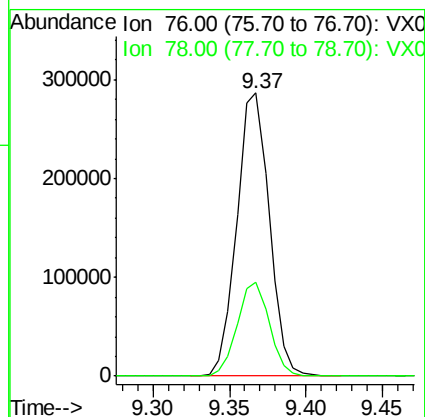
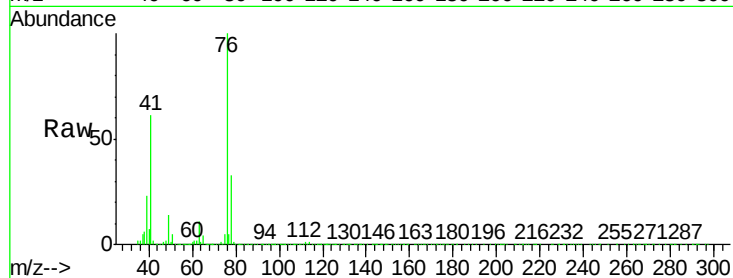
VSTDIC050

Tgt Ion: 76 Resp: 422566

Ion Ratio Lower Upper

76 100

78 32.6 0.0 63.4



#53

Dibromochloromethane

Concen: 53.224 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014611.D

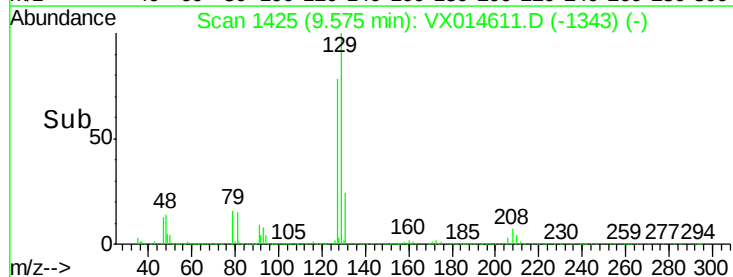
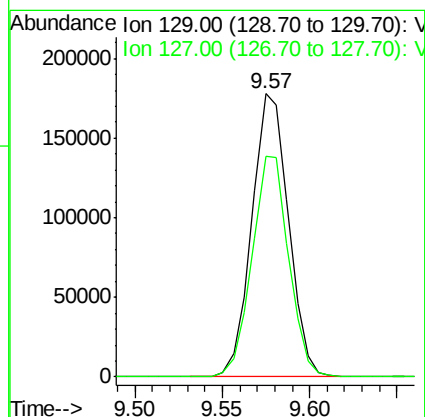
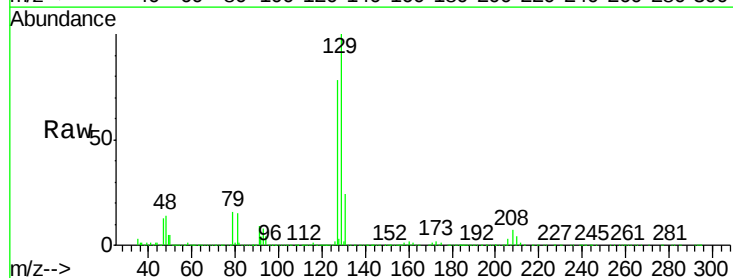
Acq: 15 Jan 2020 11:34

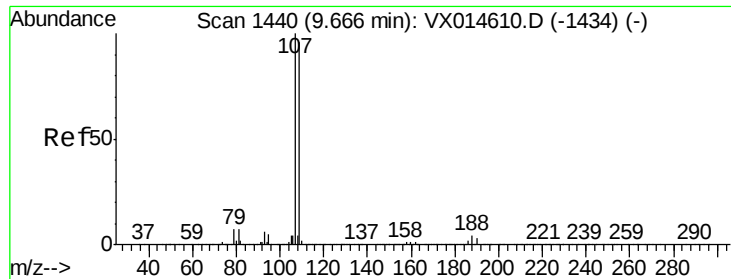
Tgt Ion: 129 Resp: 259464

Ion Ratio Lower Upper

129 100

127 77.9 39.1 117.5





#54

1,2-Dibromoethane

Concen: 52.466 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

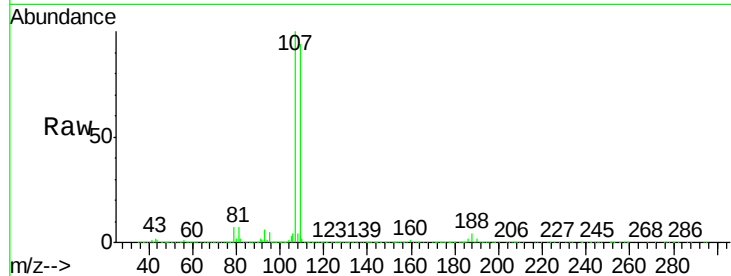
VSTDIC050

Tgt Ion: 107 Resp: 263360

Ion Ratio Lower Upper

107 100

109 93.8 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

200000

150000

100000

50000

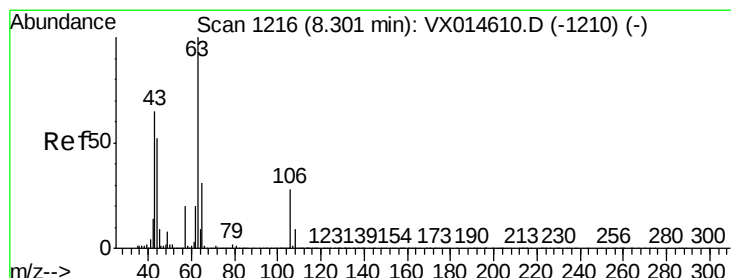
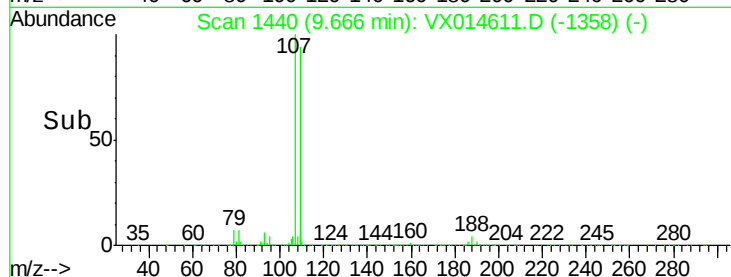
0

Time-->

9.60

9.65

9.70



#55

2-Chloroethyl vinyl ether

Concen: 260.878 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

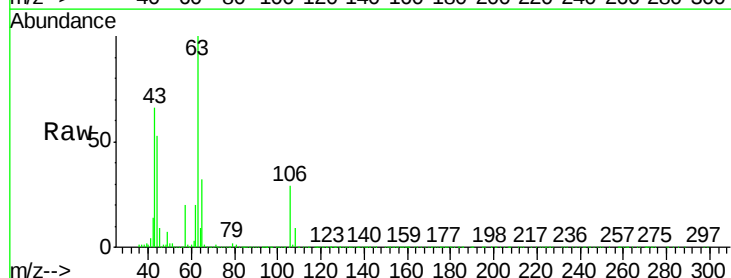
Tgt Ion: 63 Resp: 891806

Ion Ratio Lower Upper

63 100

65 32.1 25.8 38.6

106 28.8 22.9 34.3



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V

8.31

800000

600000

400000

200000

0

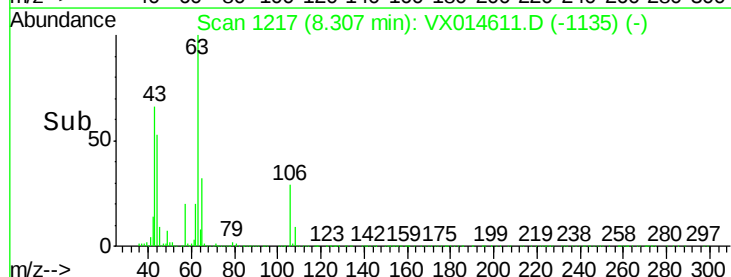
Time-->

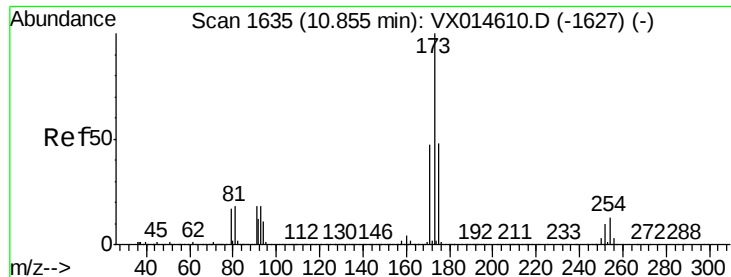
8.25

8.30

8.35

8.40

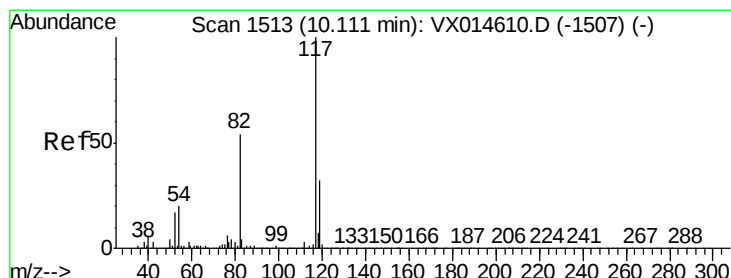
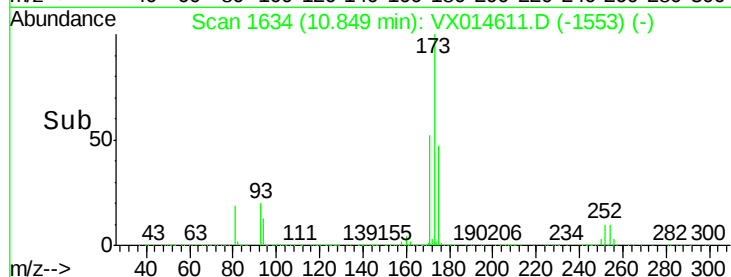
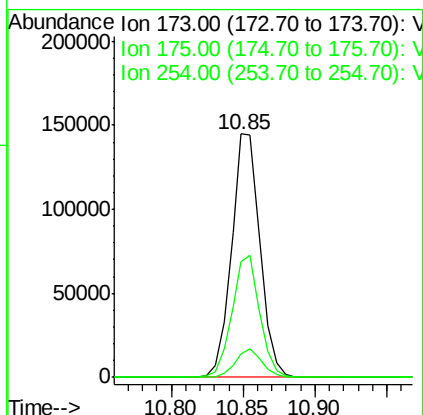
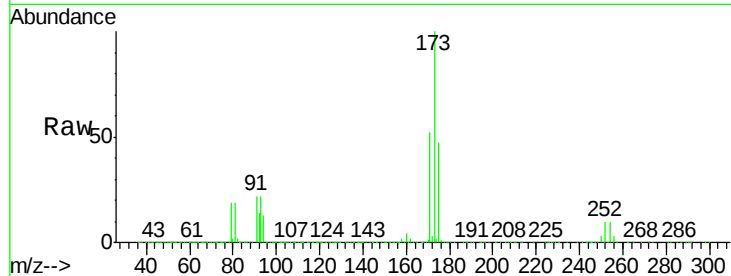




#56
Bromoform
Concen: 52.557 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

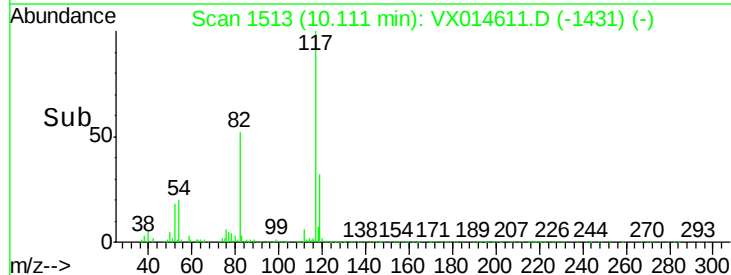
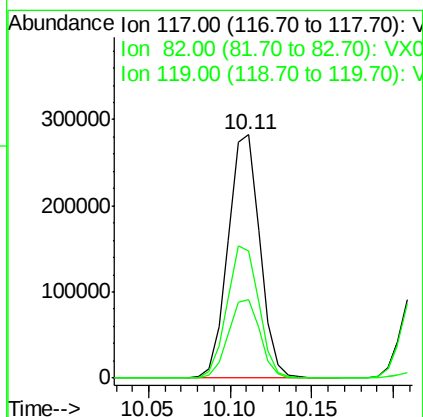
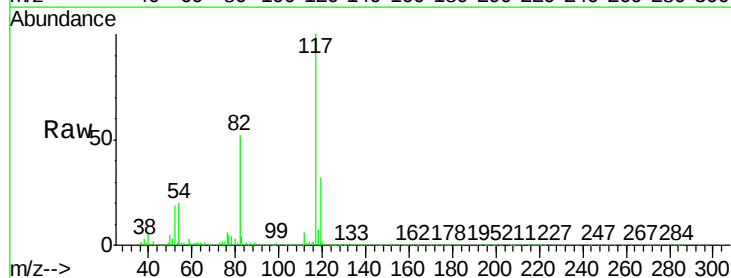
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

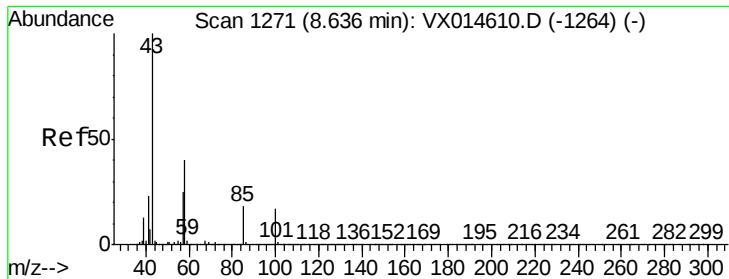
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.5	59.3
254	10.8	8.2	12.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.6
119	32.4	25.8	38.6



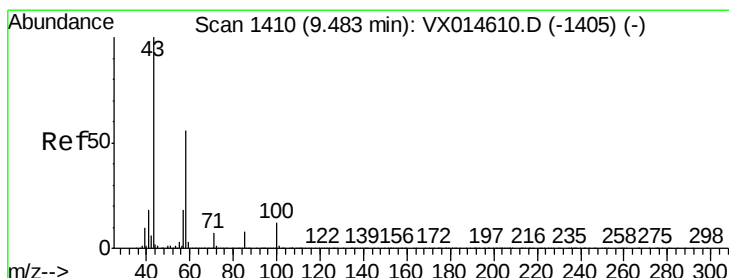
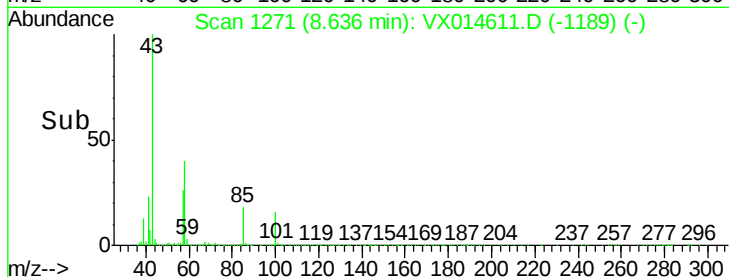
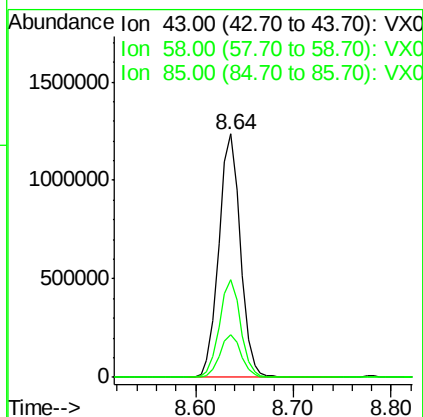
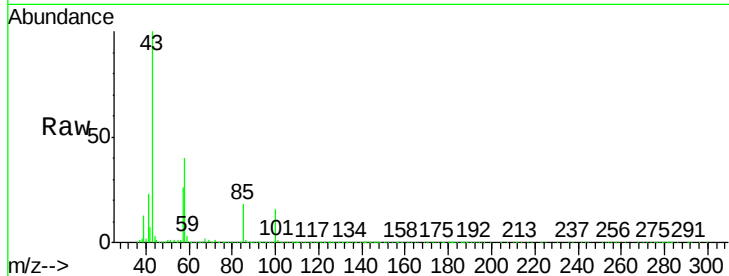


#58
 4-Methyl-2-Pentanone
 Concen: 264.569 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion: 43 Resp: 1893661

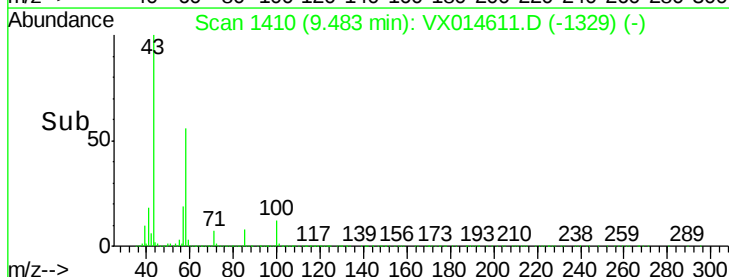
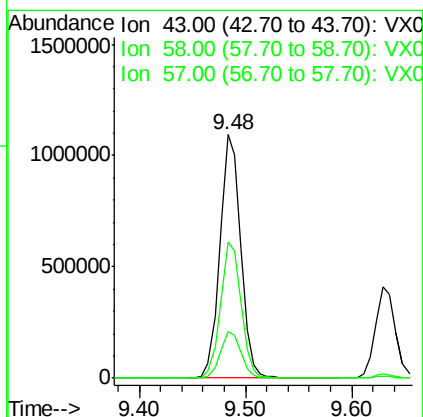
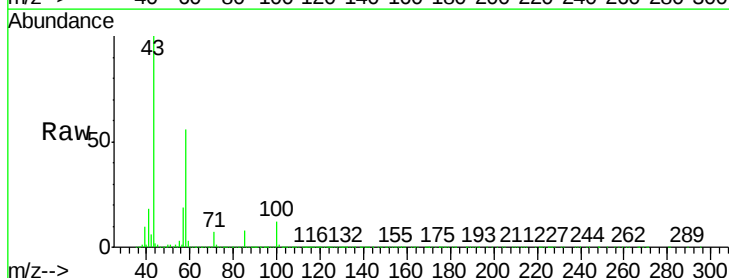
Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	17.5	14.2	21.2

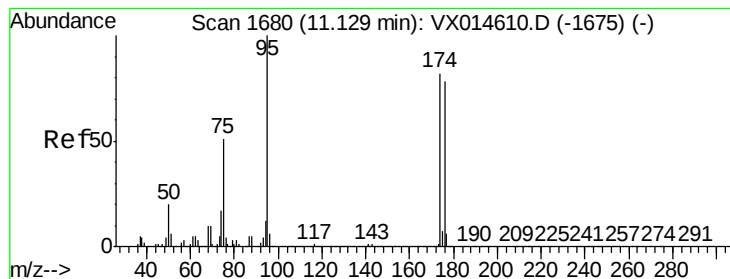


#59
 2-Hexanone
 Concen: 274.248 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Tgt Ion: 43 Resp: 1489662

Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.8	65.6
57	18.8	15.4	23.0





#60

4-Bromofluorobenzene

Concen: 30.313 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

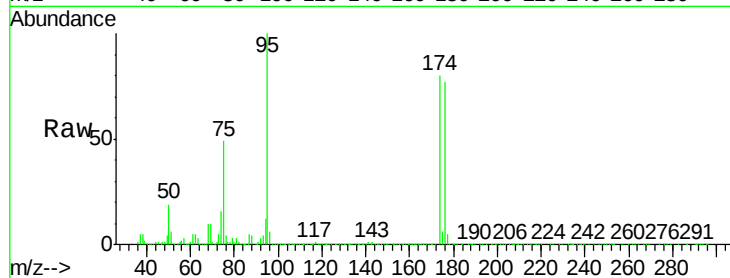
Tgt Ion: 95 Resp: 187249

Ion Ratio Lower Upper

95 100

174 87.3 70.2 105.2

176 83.6 68.3 102.5



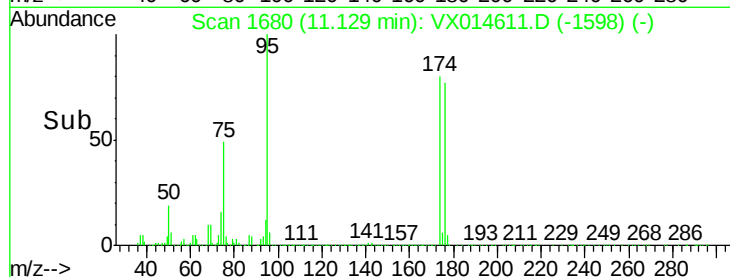
Abundance

Ion 95.00 (94.70 to 95.70): VX014611.D (-1598) (-)

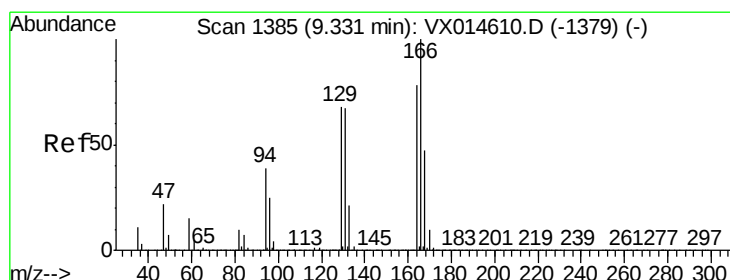
Ion 174.00 (173.70 to 174.70): VX014611.D (-1598) (-)

Ion 176.00 (175.70 to 176.70): VX014611.D (-1598) (-)

11.13



Time-->



#61

Tetrachloroethene

Concen: 59.599 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Tgt Ion: 164 Resp: 301612

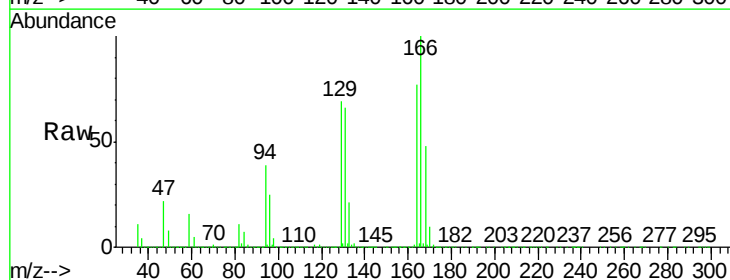
Ion Ratio Lower Upper

164 100

166 129.1 104.2 156.2

129 88.9 71.6 107.4

131 85.4 71.7 107.5



Abundance

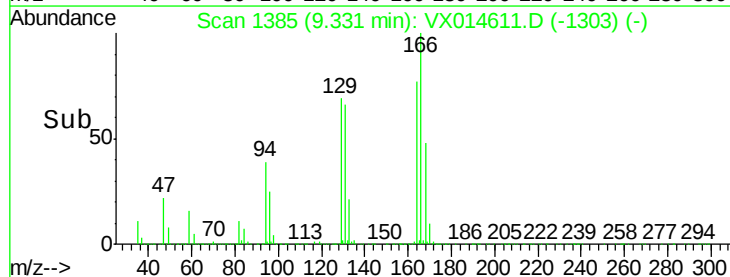
Ion 163.85 (163.55 to 164.55): VX014611.D (-1303) (-)

Ion 165.80 (165.50 to 166.50): VX014611.D (-1303) (-)

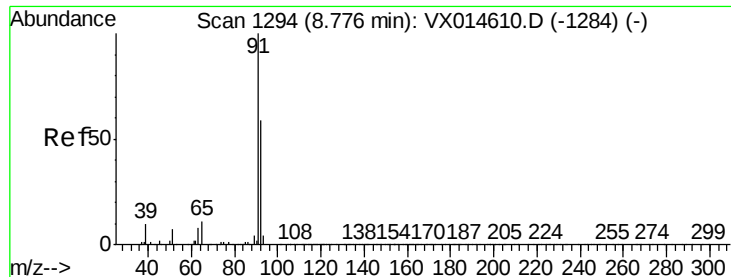
Ion 128.90 (128.60 to 129.60): VX014611.D (-1303) (-)

Ion 130.90 (130.60 to 131.60): VX014611.D (-1303) (-)

9.33



Time-->



#62

Toluene

Concen: 52.052 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

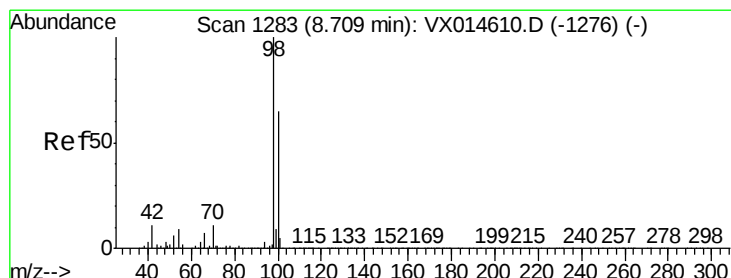
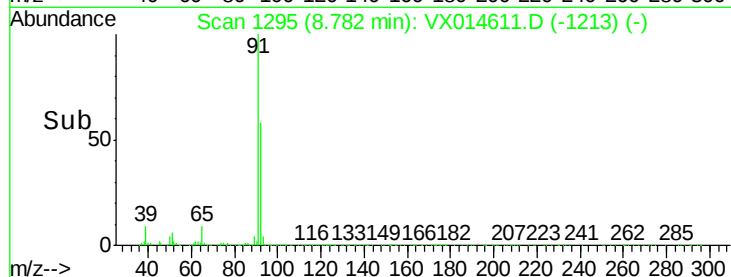
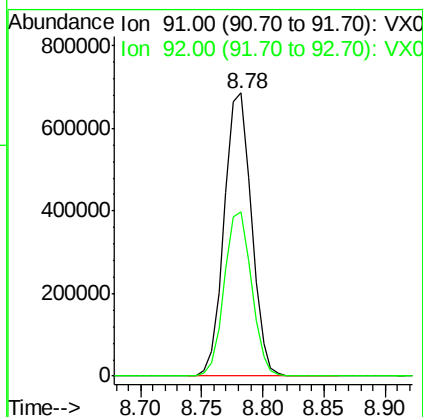
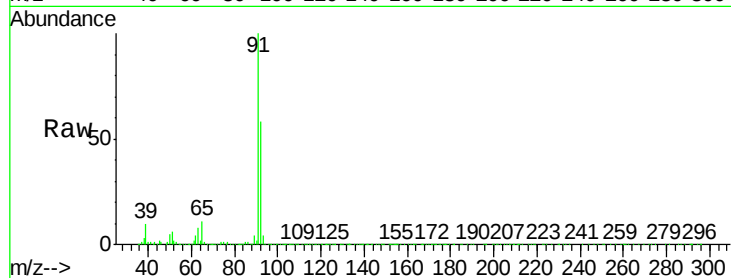
VSTDIC050

Tgt Ion: 91 Resp: 1059031

Ion Ratio Lower Upper

91 100

92 58.2 46.4 69.6



#63

Toluene-d8

Concen: 30.340 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014611.D

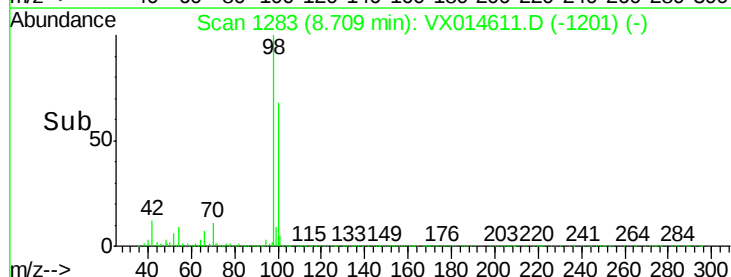
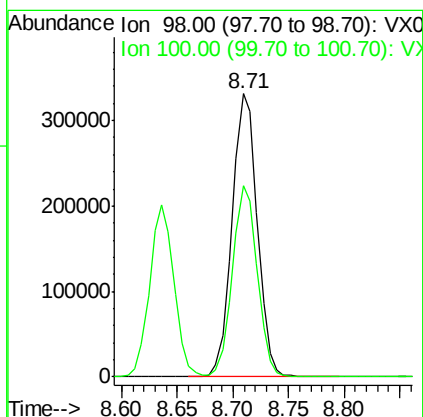
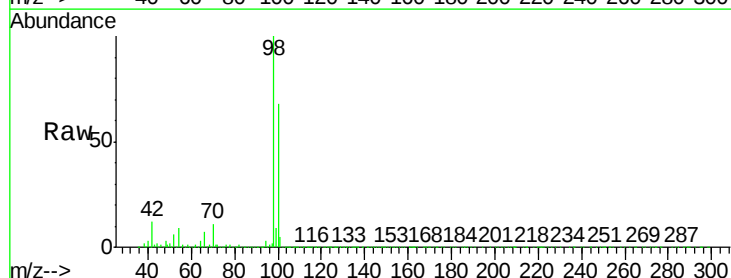
Acq: 15 Jan 2020 11:34

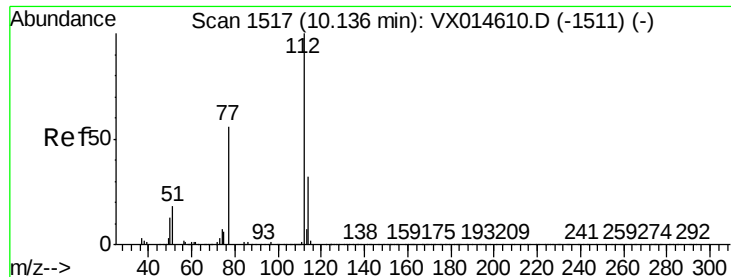
Tgt Ion: 98 Resp: 518784

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2





#64

Chlorobenzene

Concen: 51.061 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampled :

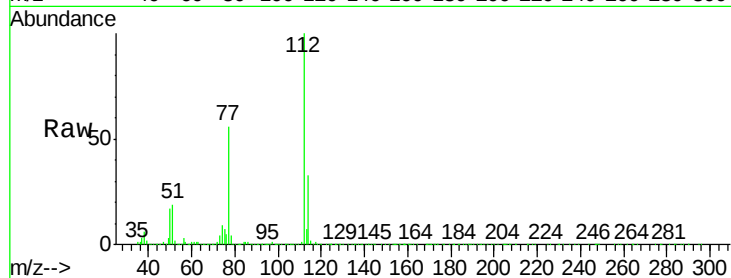
VSTDIC050

Tgt Ion:112 Resp: 650854

Ion Ratio Lower Upper

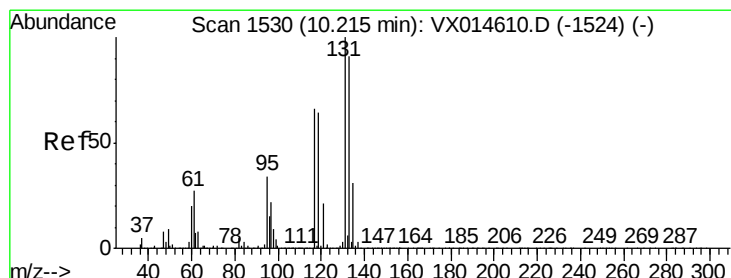
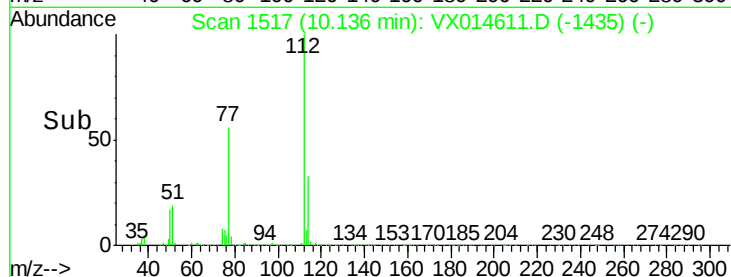
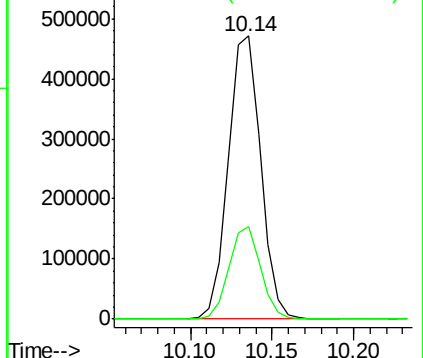
112 100

114 32.7 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 51.644 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

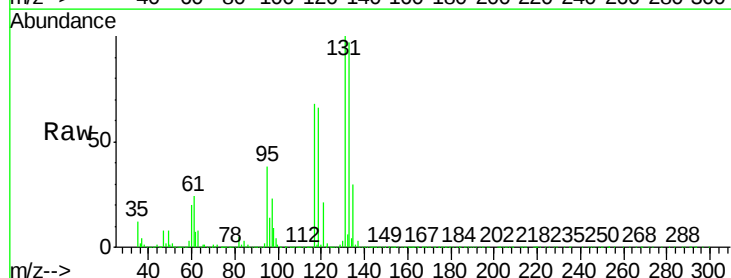
Tgt Ion:131 Resp: 243750

Ion Ratio Lower Upper

131 100

133 95.6 0.0 189.8

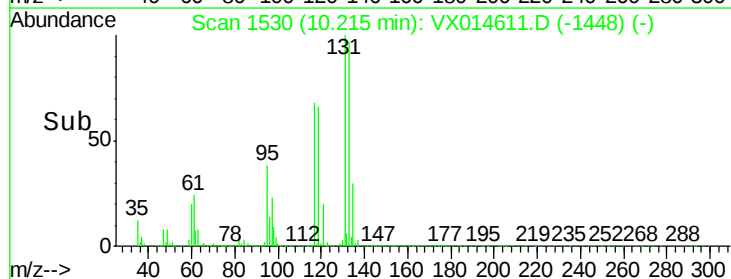
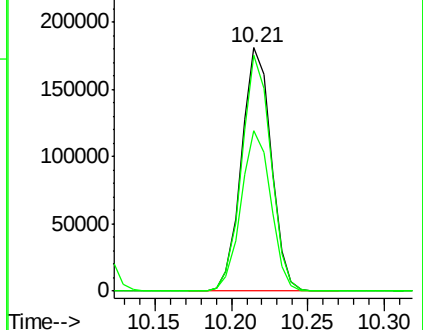
119 65.9 0.0 132.2

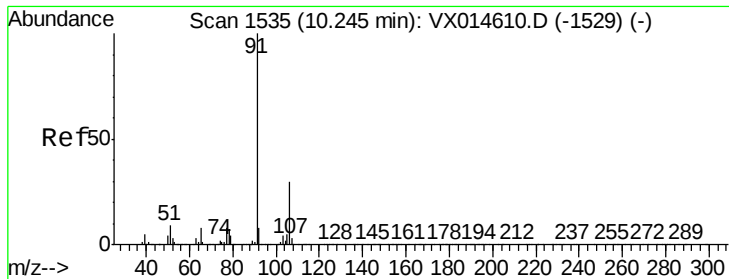


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 51.990 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

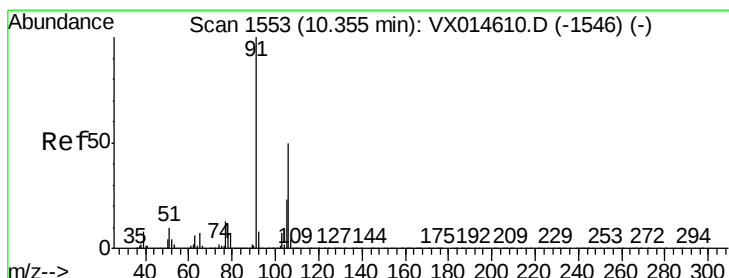
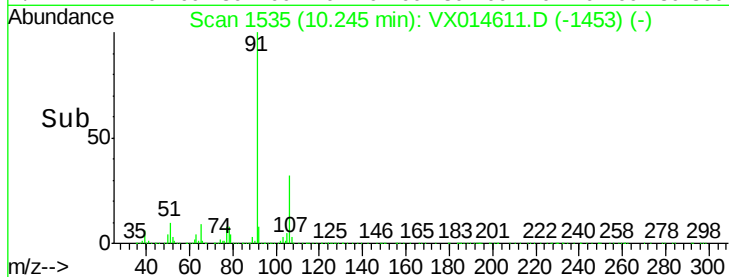
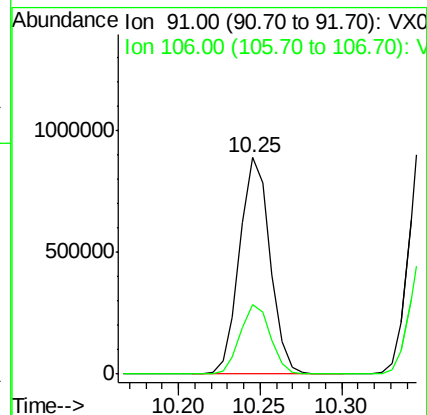
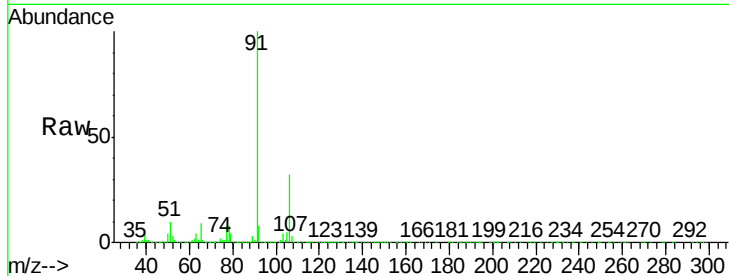
VSTDIC050

Tgt Ion: 91 Resp: 1157588

Ion Ratio Lower Upper

91 100

106 32.4 24.2 36.2



#67

m/p-Xylenes

Concen: 104.380 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014611.D

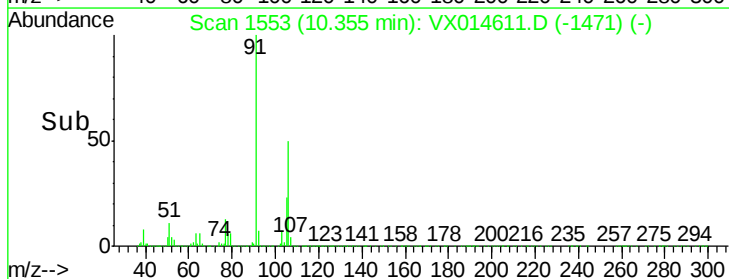
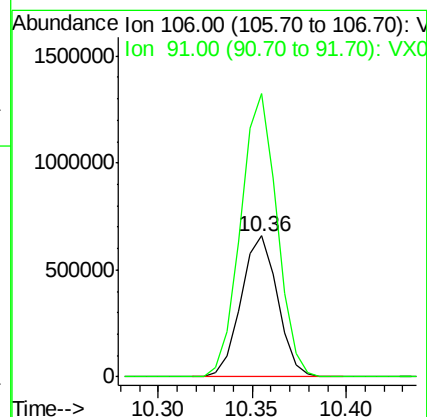
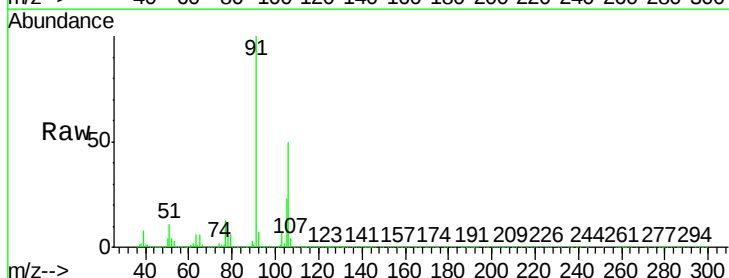
Acq: 15 Jan 2020 11:34

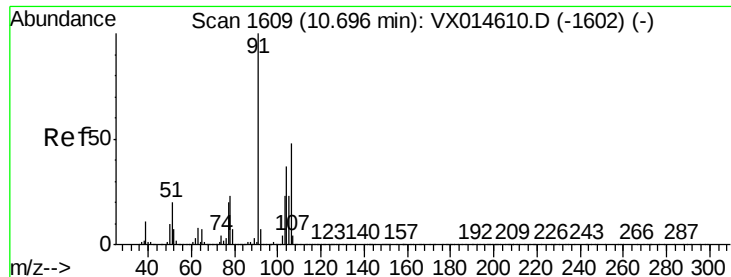
Tgt Ion: 106 Resp: 888423

Ion Ratio Lower Upper

106 100

91 198.8 159.3 238.9

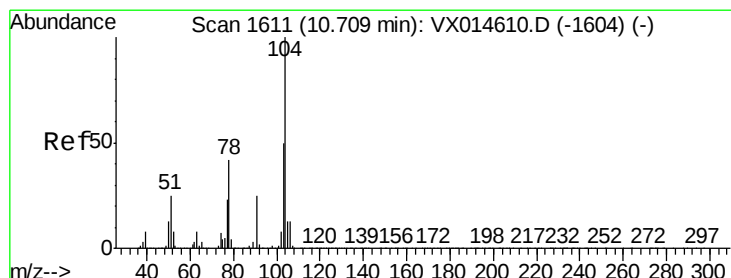
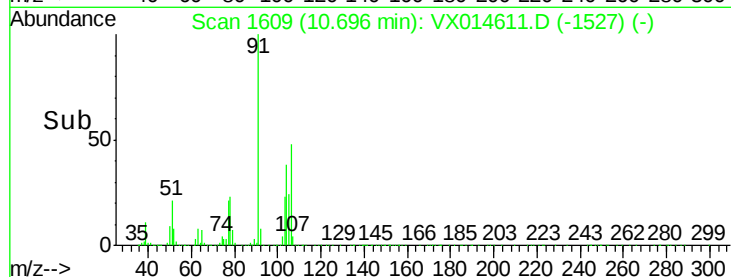
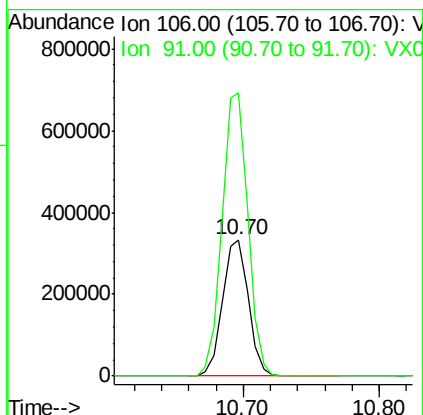
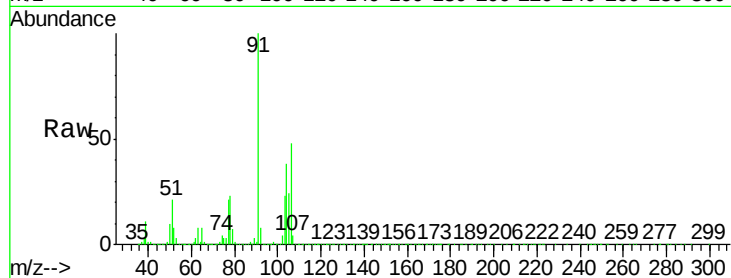




#68
o-Xylene
Concen: 51.955 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

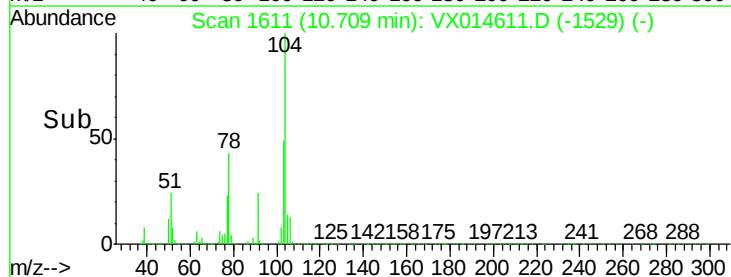
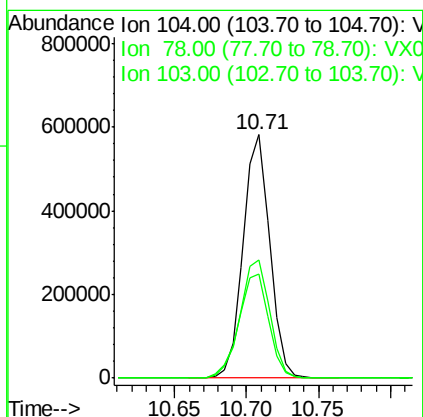
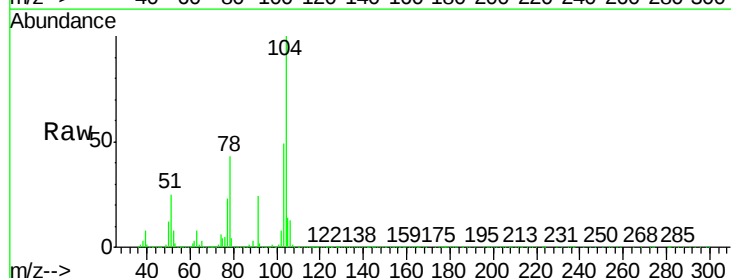
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

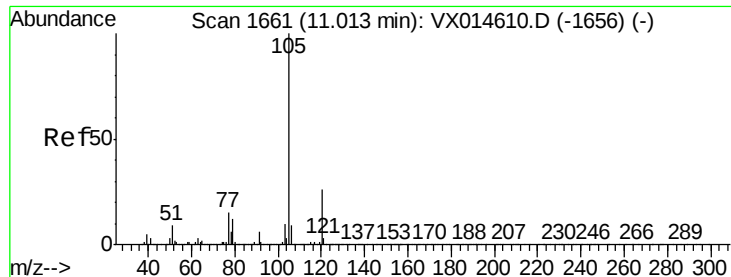
Tgt Ion:106 Resp: 438080
Ion Ratio Lower Upper
106 100
91 206.8 104.8 314.6



#69
Styrene
Concen: 51.916 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion:104 Resp: 744426
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 54.1 44.2 66.2





#70

Isopropylbenzene

Concen: 52.321 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

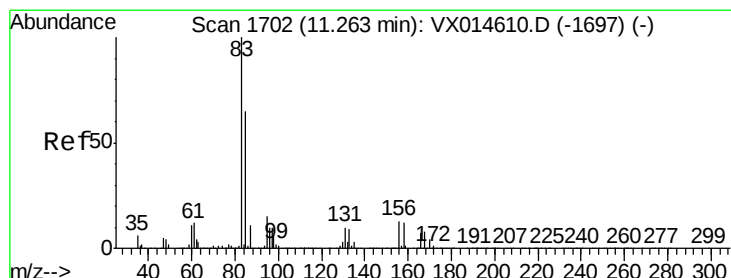
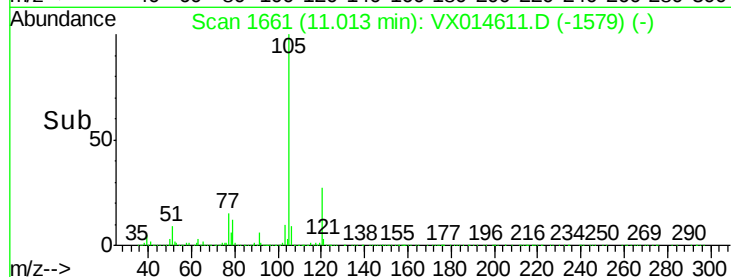
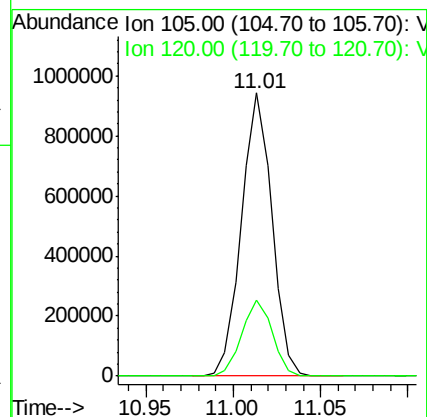
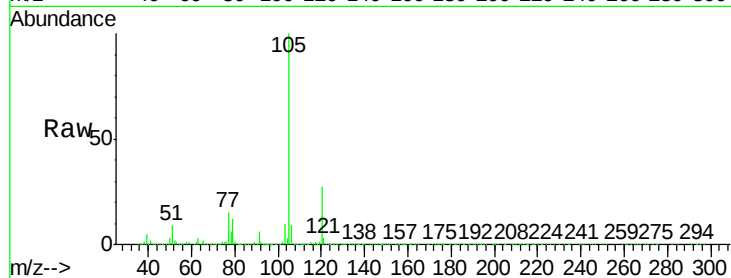
VSTDIC050

Tgt Ion:105 Resp: 1140040

Ion Ratio Lower Upper

105 100

120 27.1 19.1 35.5



#71

1,1,2,2-Tetrachloroethane

Concen: 47.816 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

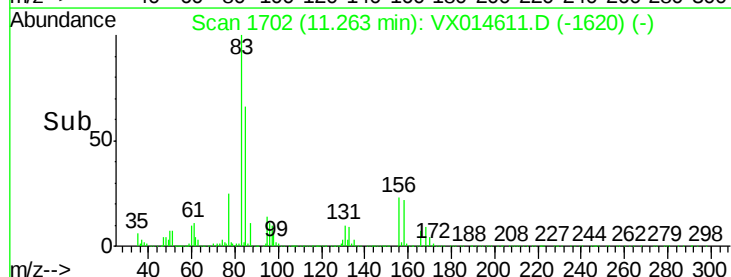
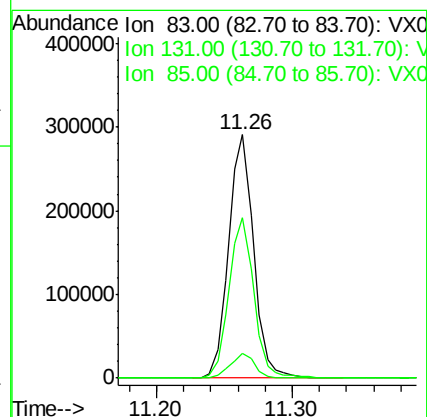
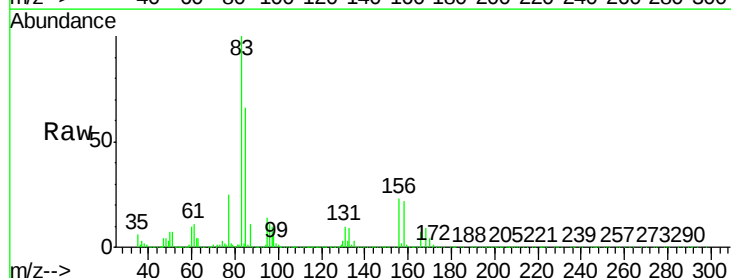
Tgt Ion: 83 Resp: 369485

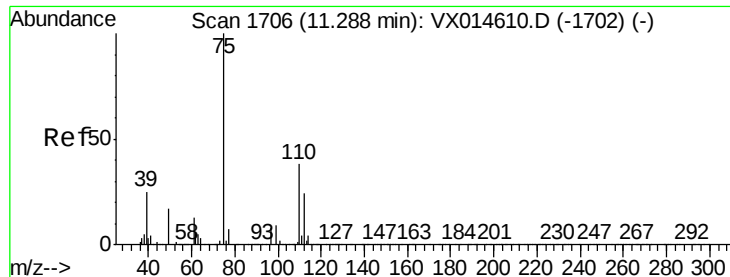
Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

85 65.5 31.6 94.7





#72

1,2,3-Trichloropropane

Concen: 63.702 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

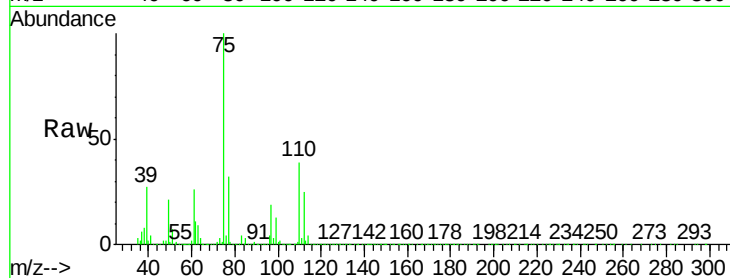
VSTDIC050

Tgt Ion: 75 Resp: 438151

Ion Ratio Lower Upper

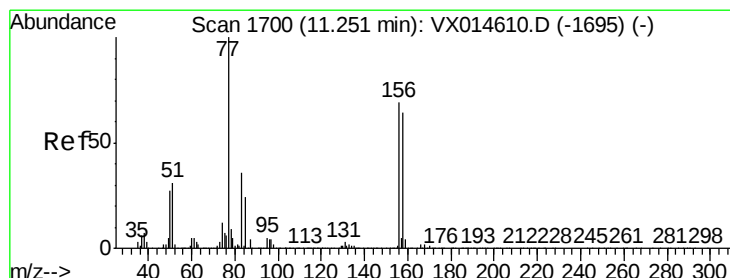
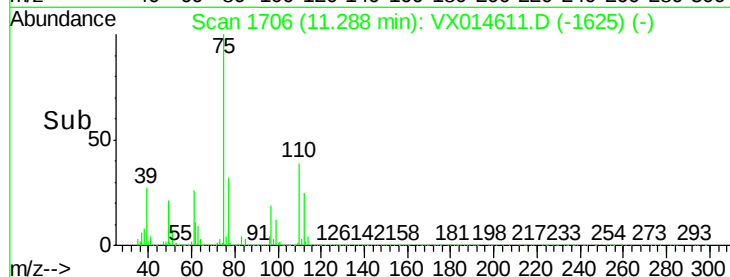
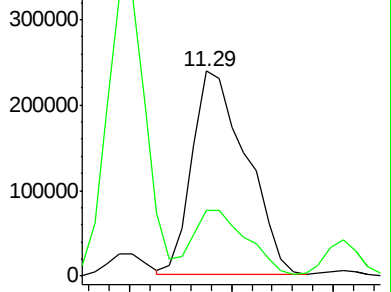
75 100

77 31.1 0.0 68.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 50.514 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

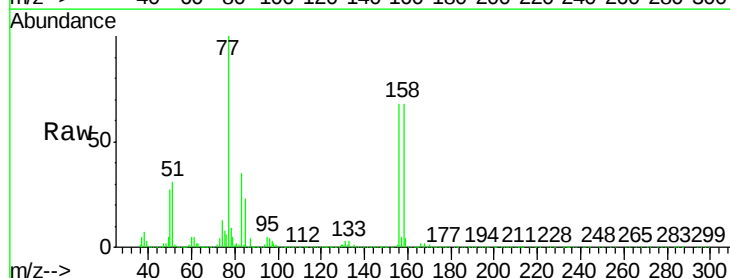
Tgt Ion: 156 Resp: 293820

Ion Ratio Lower Upper

156 100

77 152.0 0.0 304.6

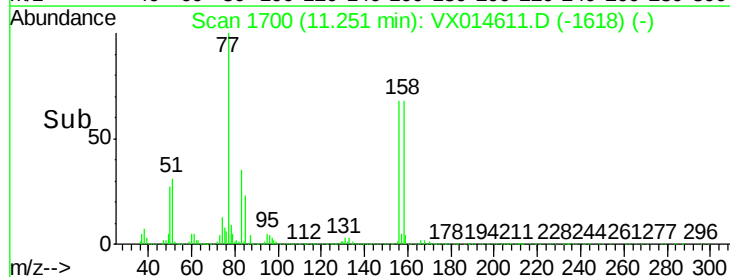
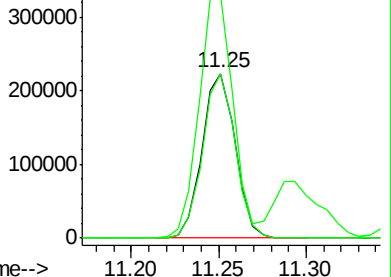
158 98.2 0.0 195.2

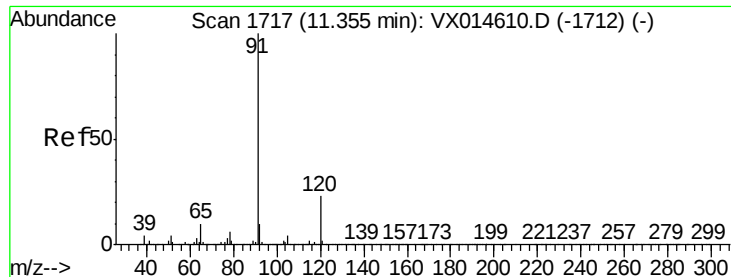


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 53.295 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

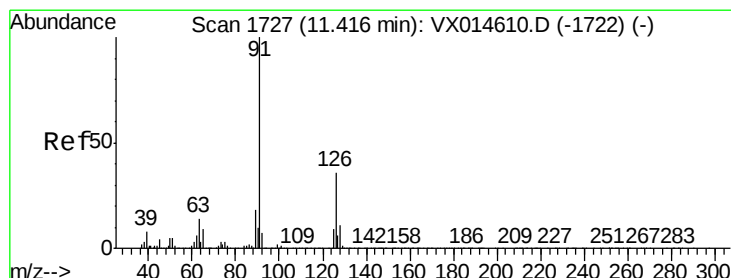
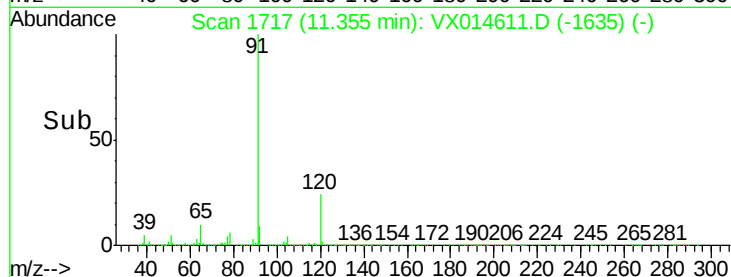
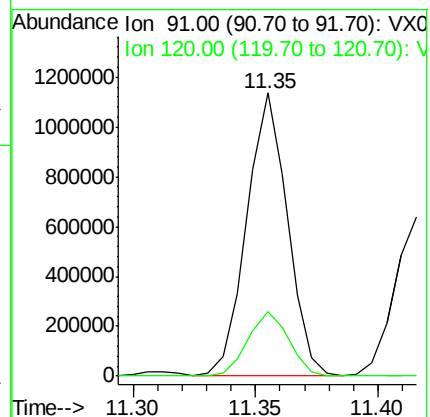
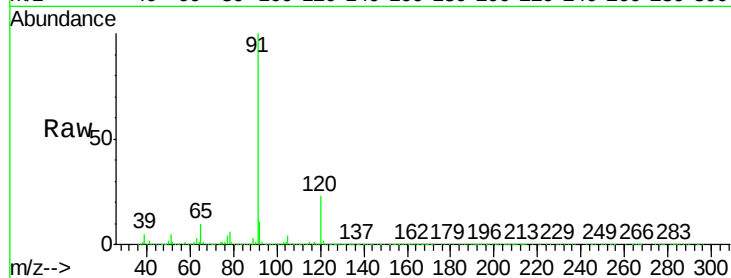
VSTDIC050

Tgt Ion: 91 Resp: 1317123

Ion Ratio Lower Upper

91 100

120 23.1 0.0 44.8



#75

2-Chlorotoluene

Concen: 51.585 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014611.D

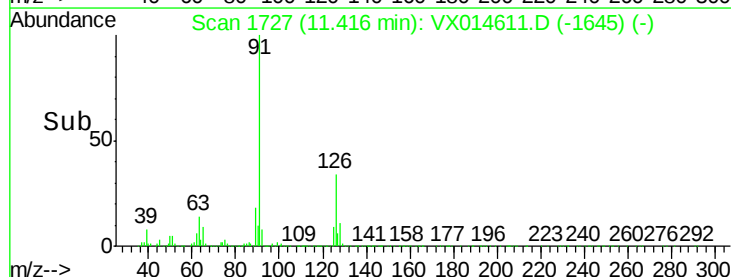
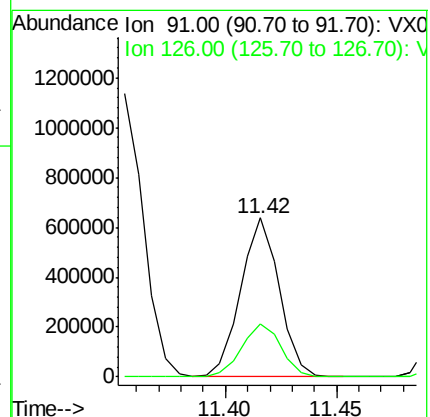
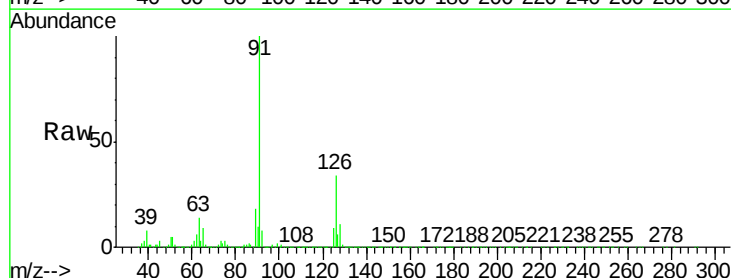
Acq: 15 Jan 2020 11:34

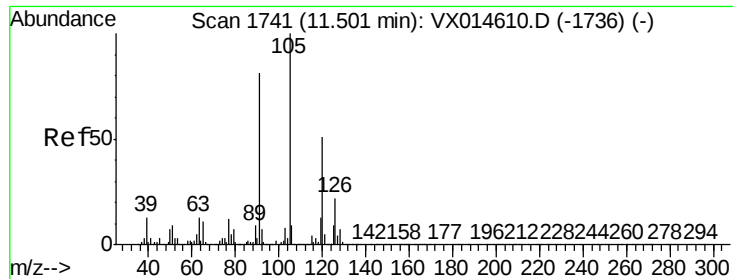
Tgt Ion: 91 Resp: 770313

Ion Ratio Lower Upper

91 100

126 34.0 0.0 70.8





#76

1,3,5-Trimethylbenzene

Concen: 51.733 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

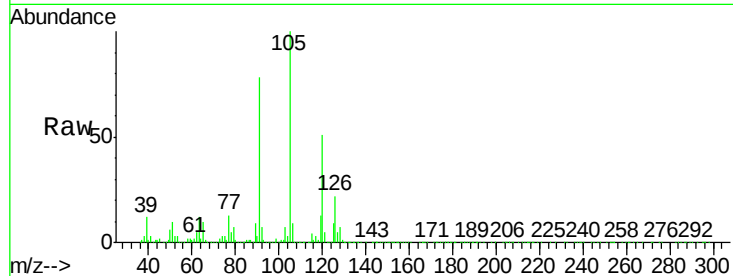
VSTDIC050

Tgt Ion: 105 Resp: 956233

Ion Ratio Lower Upper

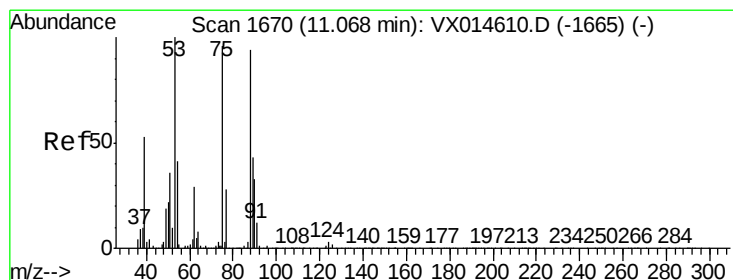
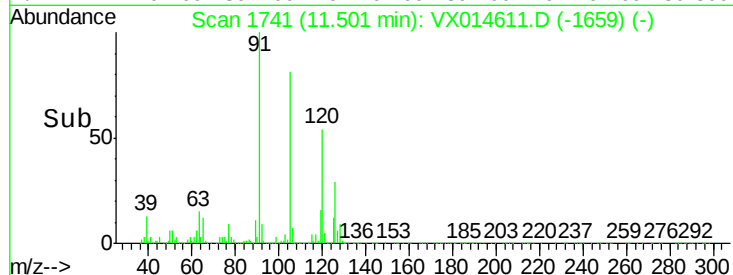
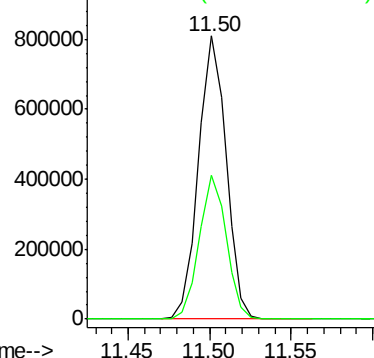
105 100

120 49.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 56.832 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

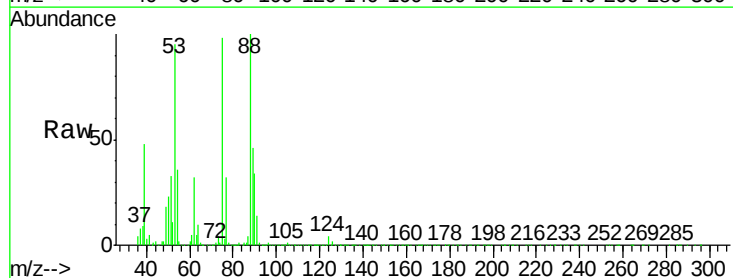
Tgt Ion: 75 Resp: 129085

Ion Ratio Lower Upper

75 100

53 97.2 54.4 163.1

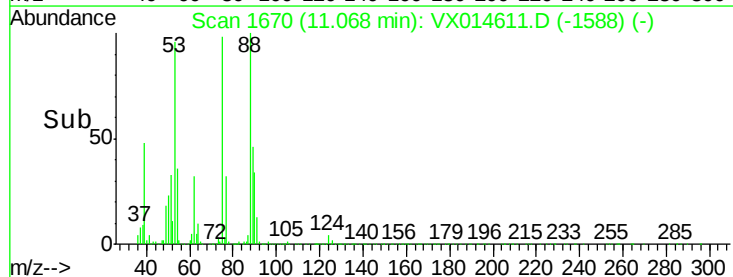
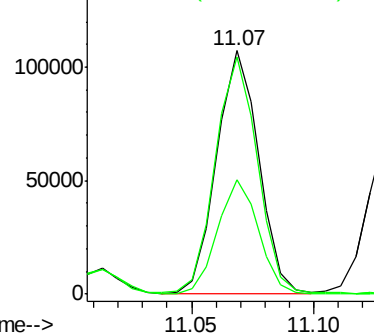
89 46.6 21.9 65.5

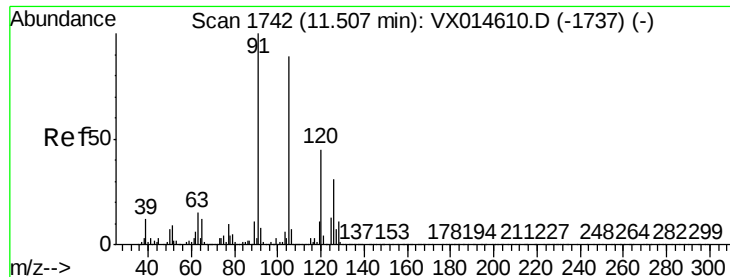


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0





#78

4-Chlorotoluene

Concen: 51.324 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

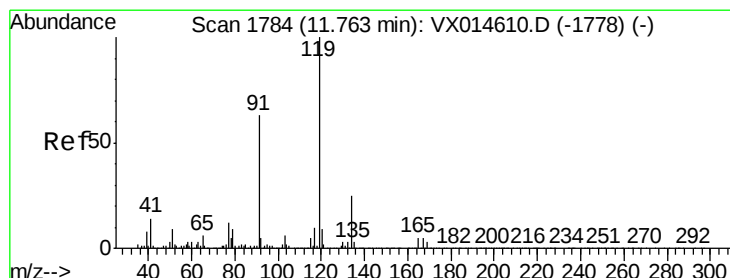
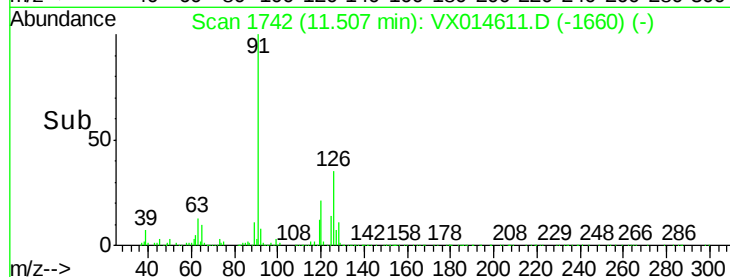
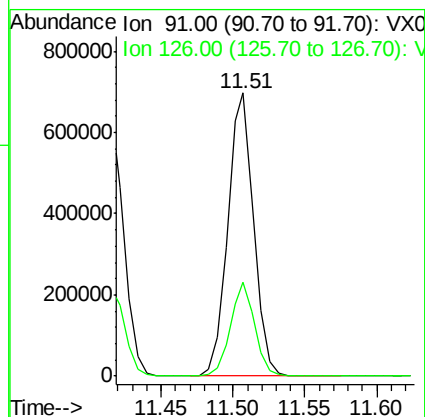
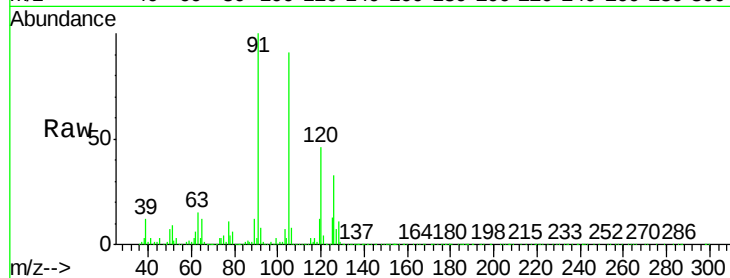
VSTDIC050

Tgt Ion: 91 Resp: 875780

Ion Ratio Lower Upper

91 100

126 31.0 0.0 59.6



#79

tert-butylbenzene

Concen: 48.942 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

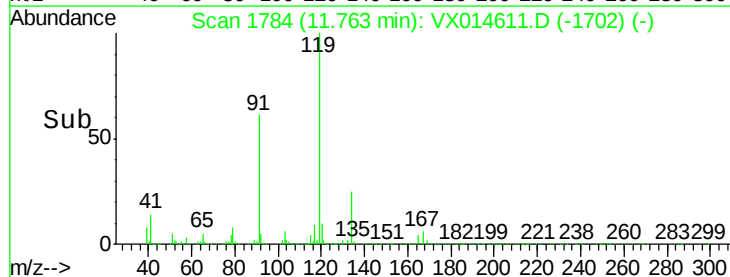
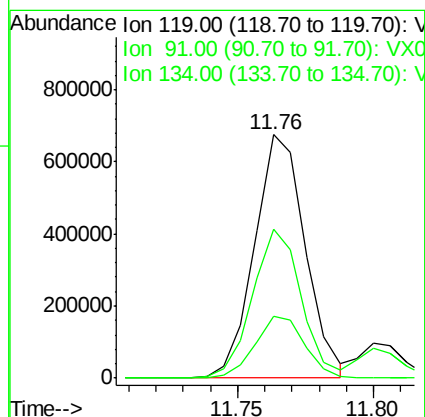
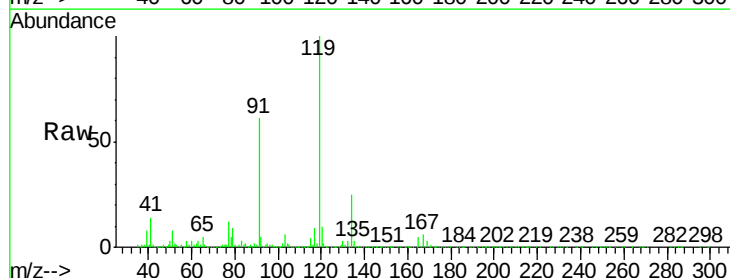
Tgt Ion: 119 Resp: 871969

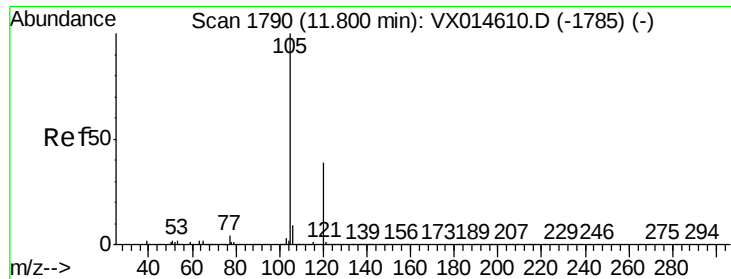
Ion Ratio Lower Upper

119 100

91 58.8 0.0 112.6

134 24.9 0.0 49.8

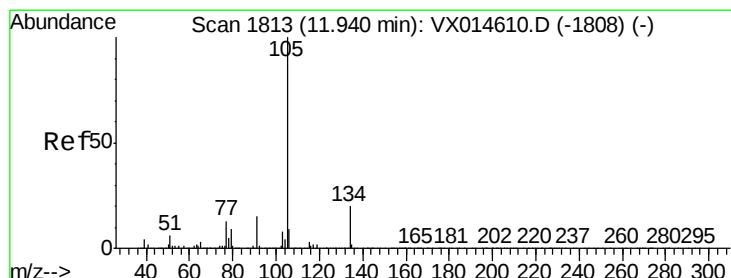
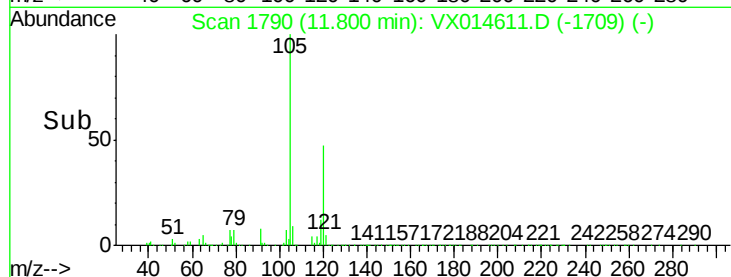
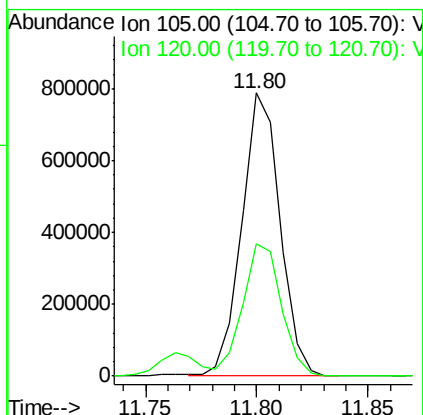
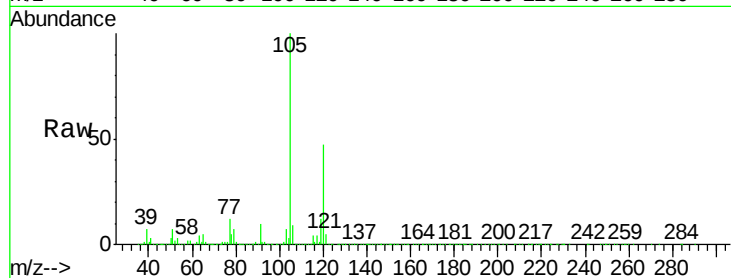




#80
1,2,4-Trimethylbenzene
Concen: 50.999 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

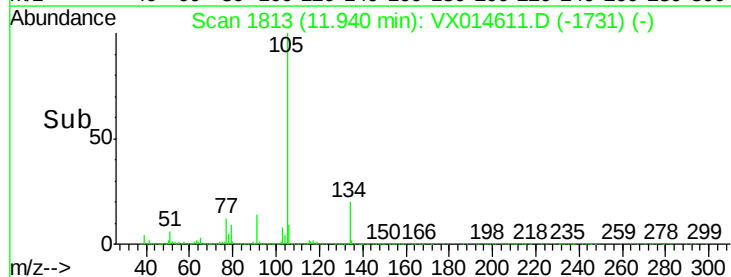
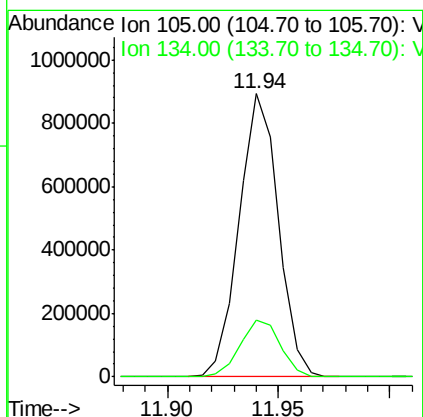
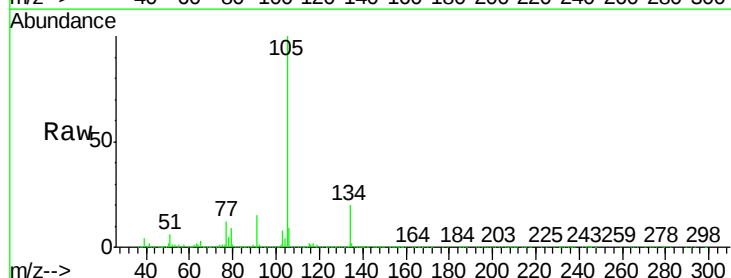
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

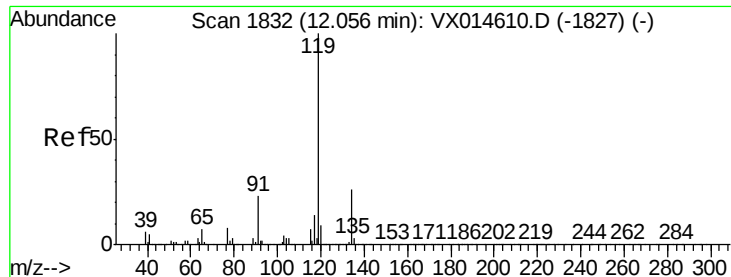
Tgt Ion:105 Resp: 942583
Ion Ratio Lower Upper
105 100
120 47.1 0.0 92.0



#81
sec-Butylbenzene
Concen: 51.822 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion:105 Resp: 1098199
Ion Ratio Lower Upper
105 100
134 20.8 0.0 40.2

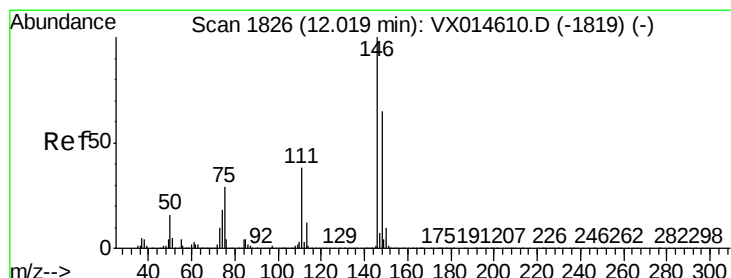
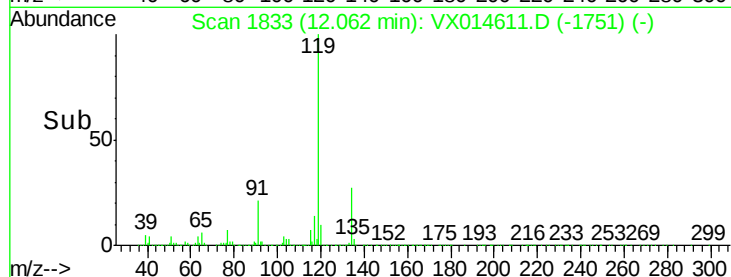
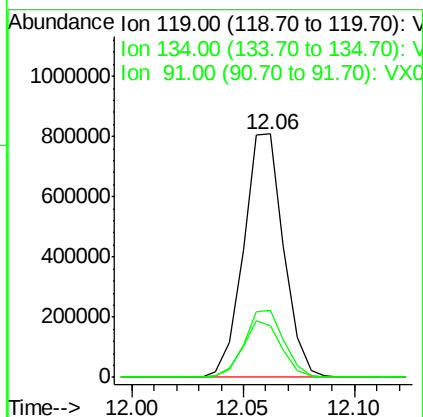
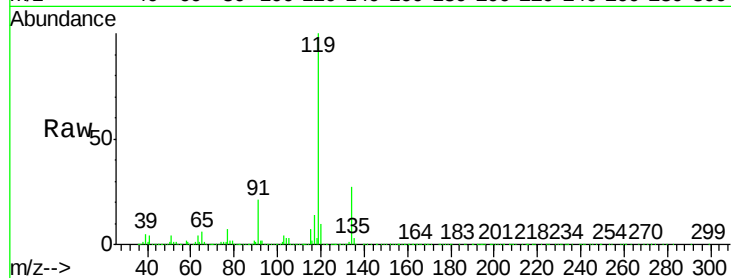




#82
p-Isopropyltoluene
Concen: 52.665 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

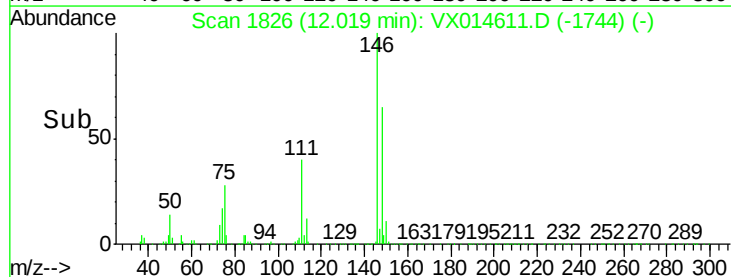
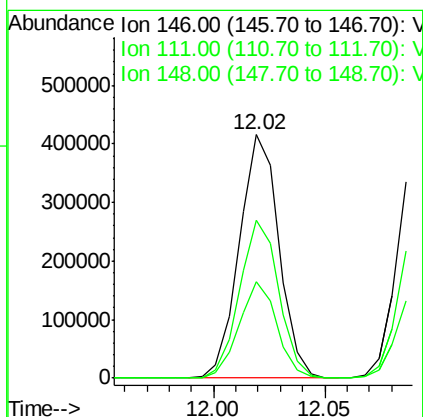
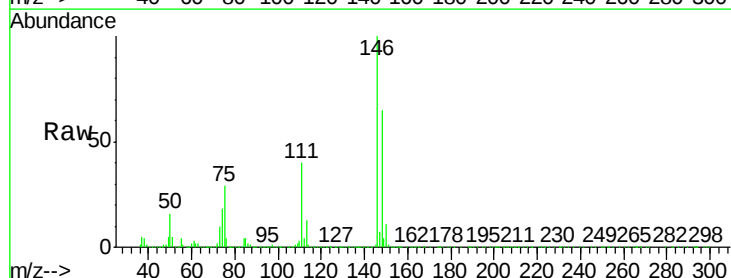
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

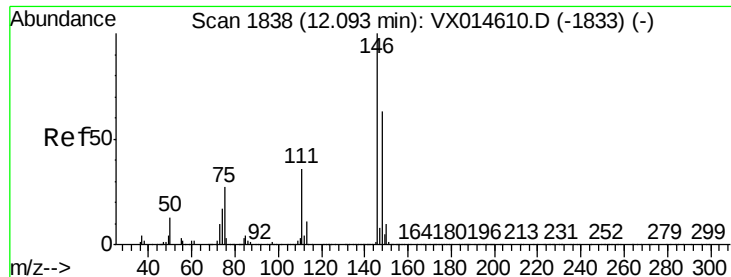
Tgt Ion:119 Resp: 1007169
Ion Ratio Lower Upper
119 100
134 27.1 0.0 53.8
91 22.4 0.0 45.0



#83
1,3-Dichlorobenzene
Concen: 51.081 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion:146 Resp: 517882
Ion Ratio Lower Upper
146 100
111 37.9 19.3 57.9
148 64.1 32.2 96.6





#84

1,4-Dichlorobenzene

Concen: 50.825 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

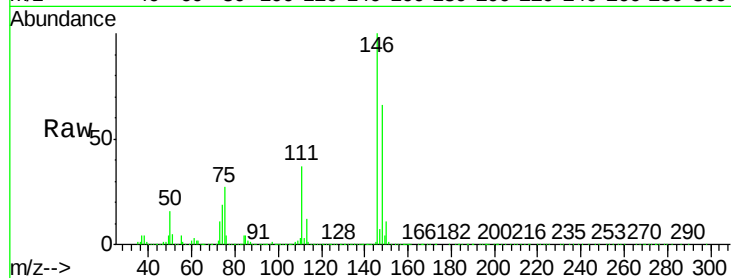
Tgt Ion:146 Resp: 513094

Ion Ratio Lower Upper

146 100

111 37.0 18.4 55.4

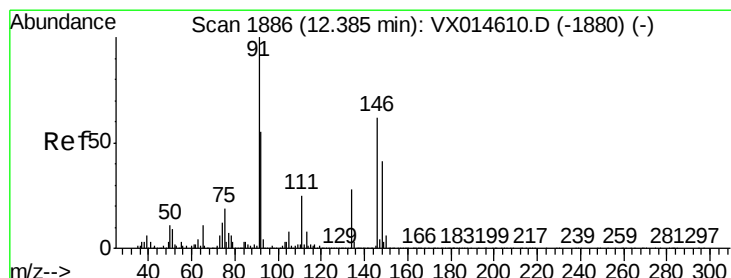
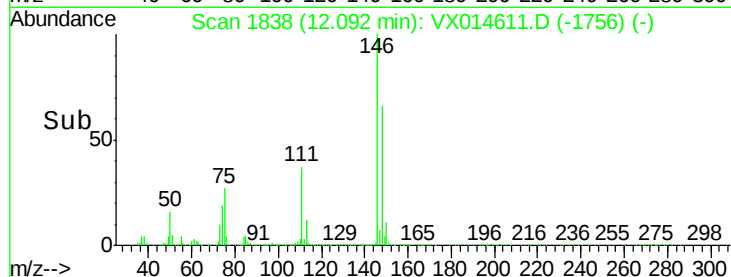
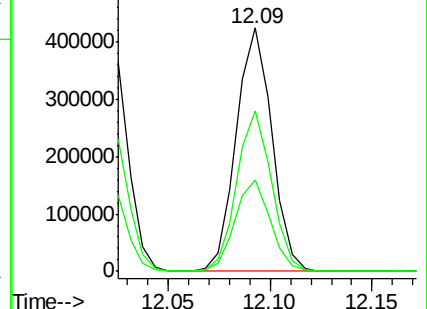
148 64.5 32.0 96.0



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: 55.423 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

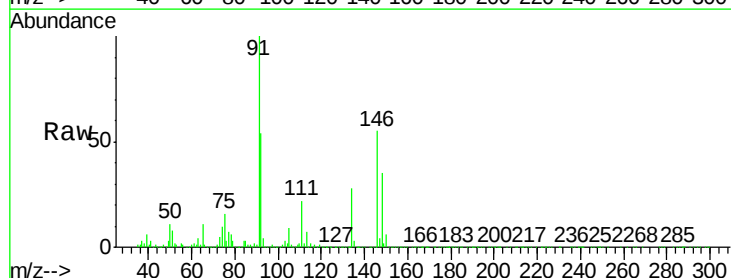
Tgt Ion: 91 Resp: 891155

Ion Ratio Lower Upper

91 100

92 54.5 0.0 109.0

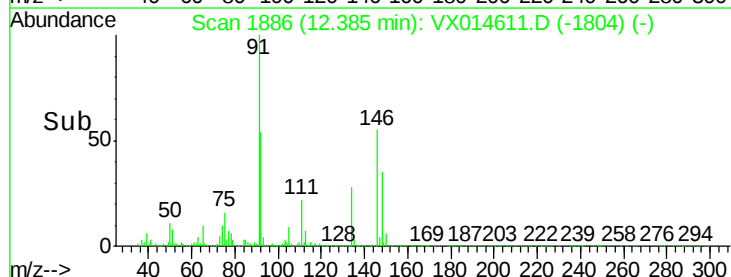
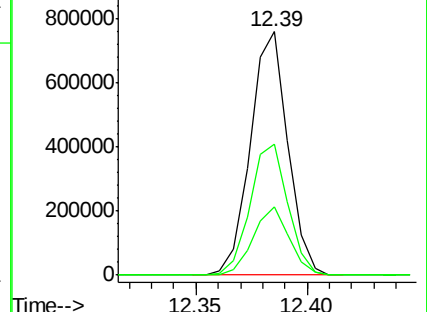
134 27.0 0.0 54.0

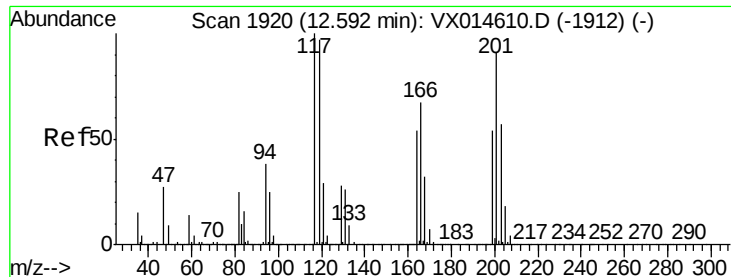


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

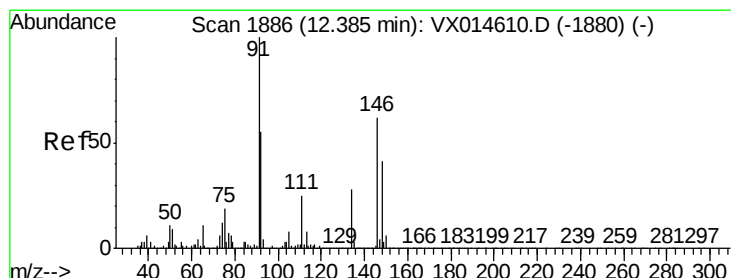
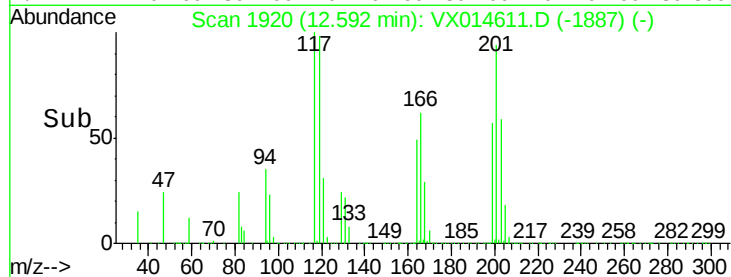
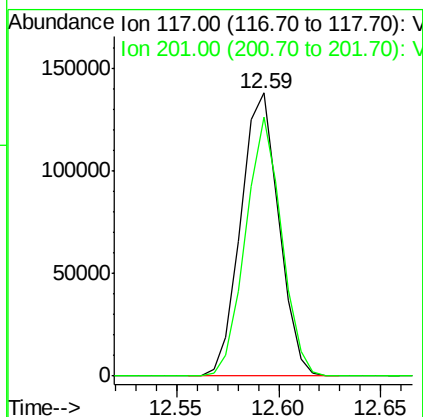
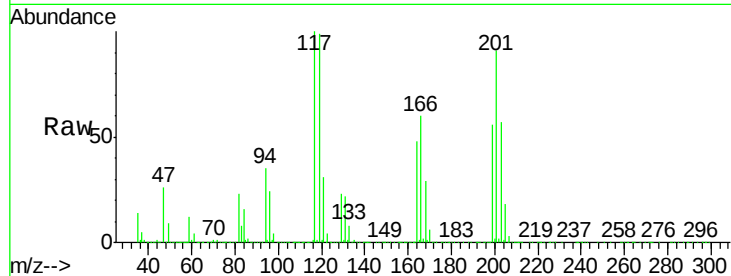




#86
Hexachloroethane
Concen: 51.540 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

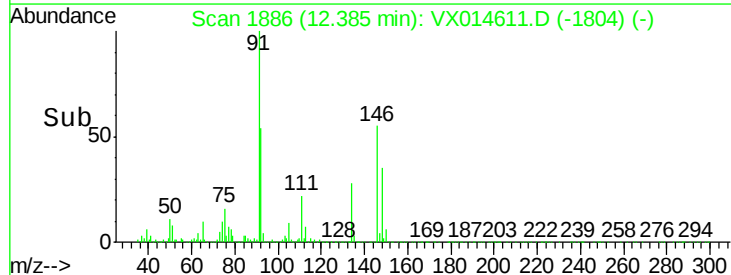
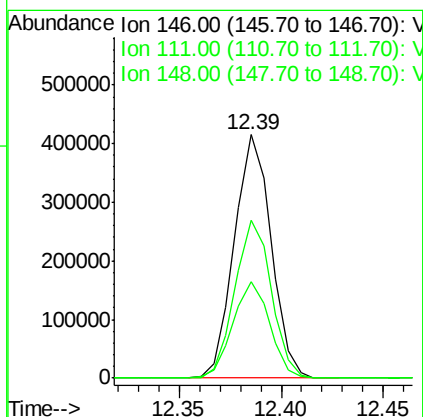
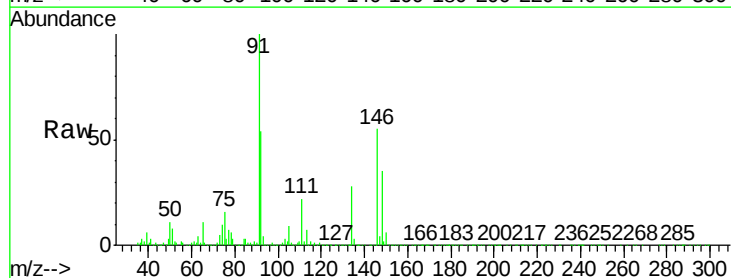
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

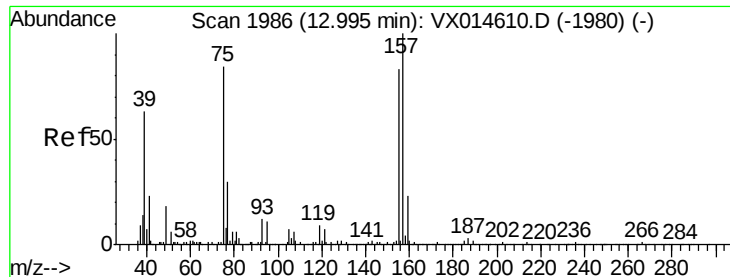
Tgt Ion:117 Resp: 178808
Ion Ratio Lower Upper
117 100
201 86.7 44.8 134.3



#87
1,2-Dichlorobenzene
Concen: 50.441 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion:146 Resp: 519429
Ion Ratio Lower Upper
146 100
111 39.6 20.1 60.2
148 64.5 32.0 96.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 53.927 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

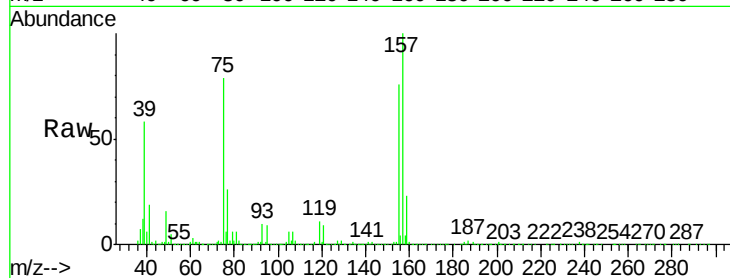
Tgt Ion: 75 Resp: 83056

Ion Ratio Lower Upper

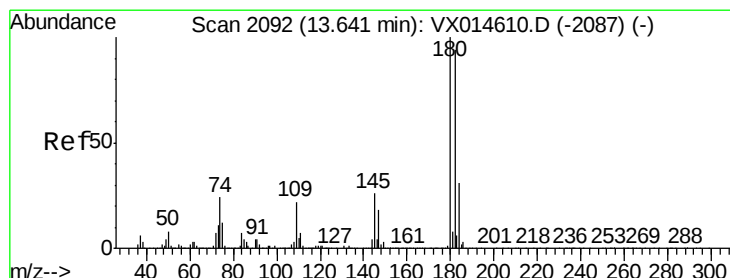
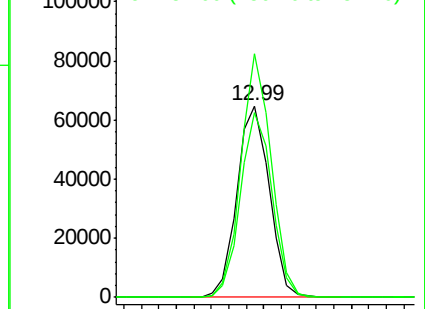
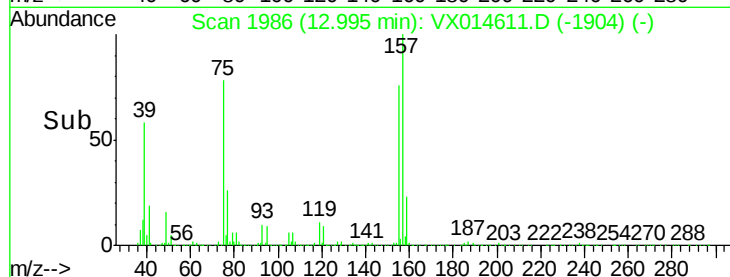
75 100

155 93.8 73.8 110.6

157 118.9 95.0 142.4



Abundance Ion 75.00 (74.70 to 75.70): VX014611.D (-1904) (-)



#89

1,2,4-Trichlorobenzene

Concen: 54.230 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014611.D

Acq: 15 Jan 2020 11:34

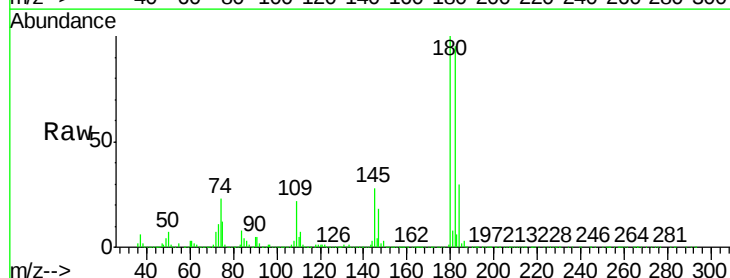
Tgt Ion: 180 Resp: 356918

Ion Ratio Lower Upper

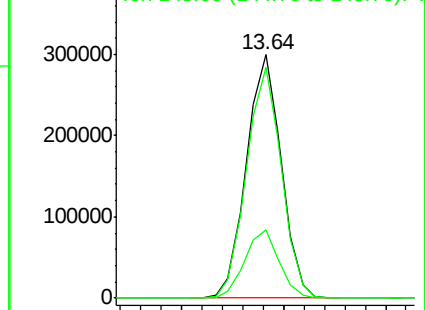
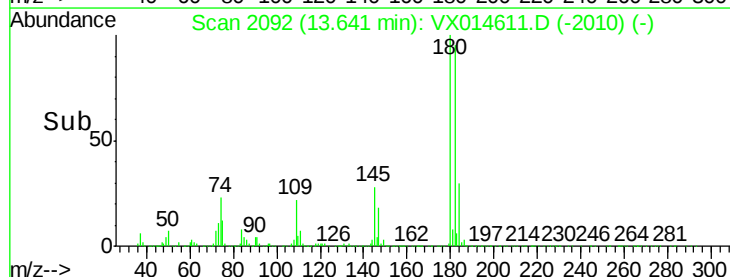
180 100

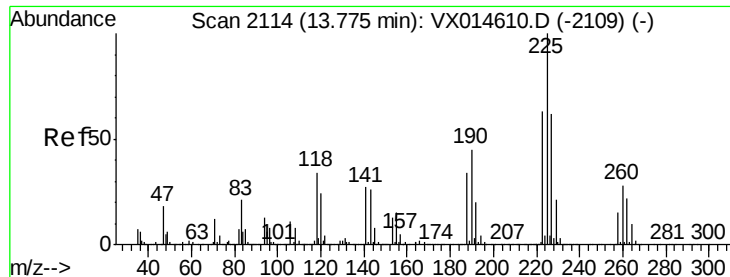
182 95.1 76.4 114.6

145 27.6 21.9 32.9



Abundance Ion 180.00 (179.70 to 180.70): VX014611.D (-2010) (-)

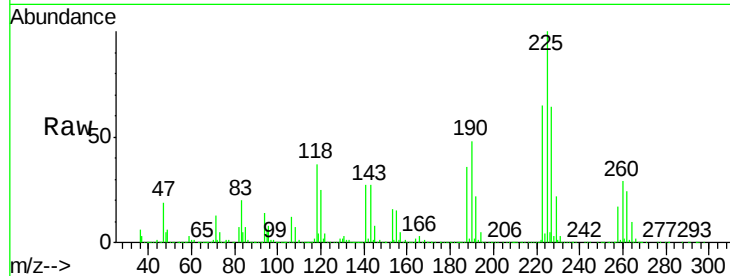




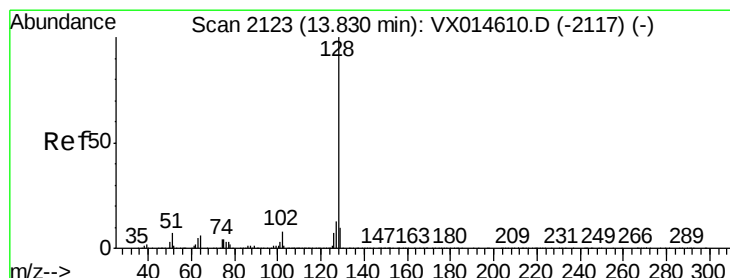
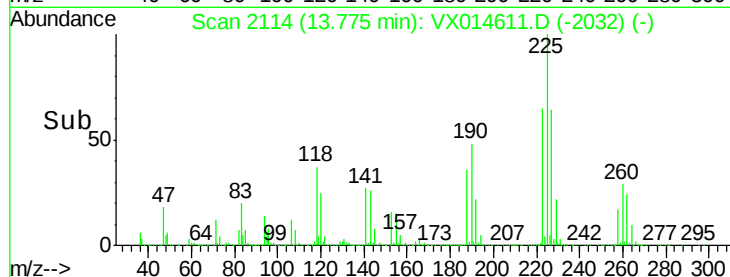
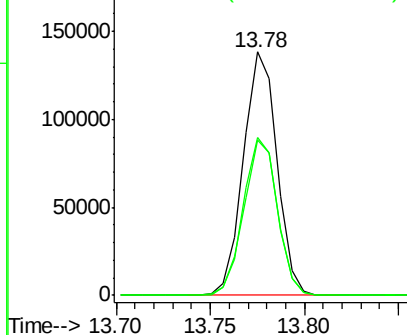
#90
Hexachlorobutadiene
Concen: 54.844 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 225 Resp: 171573
Ion Ratio Lower Upper
225 100
223 65.2 0.0 127.4
227 64.0 0.0 122.8

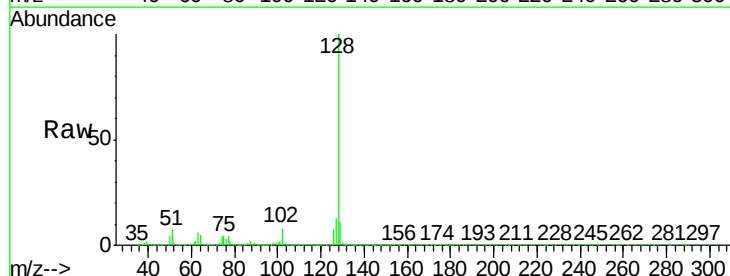


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

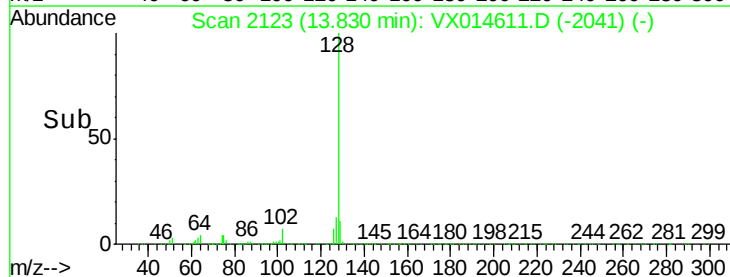
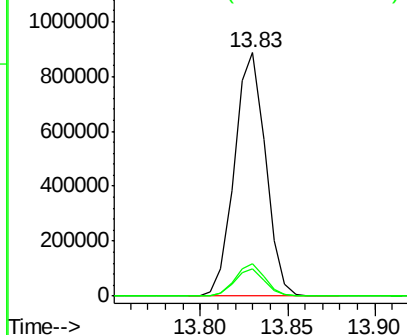


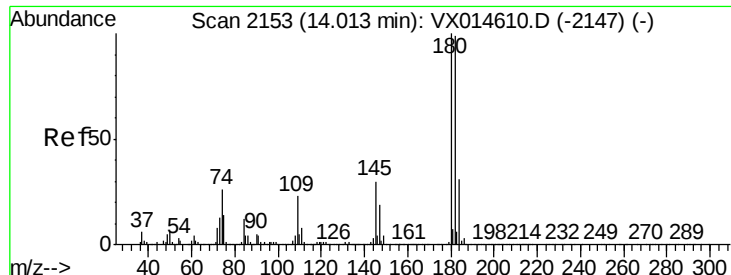
#91
Naphthalene
Concen: 55.450 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014611.D
Acq: 15 Jan 2020 11:34

Tgt Ion: 128 Resp: 1096920
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 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

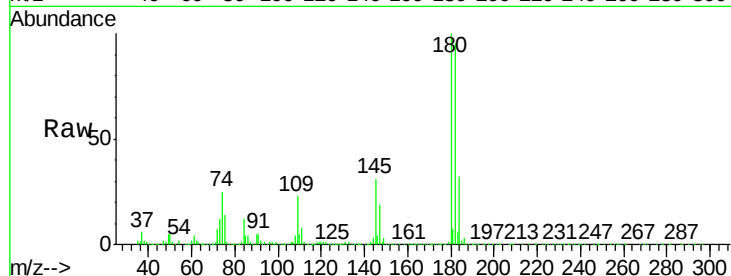




#92
 1,2,3-Trichlorobenzene
 Concen: 52.789 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014611.D
 Acq: 15 Jan 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	192.8
145	30.5	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

