

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
 Data File : VX014614.D
 Acq On : 15 Jan 2020 12:59
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

Quant Time: Jan 16 01:10:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	75756	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	428543	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	386542	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	160716	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	11.13	95	184722	29.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.53%
63) Toluene-d8	8.71	98	529314	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	120260	22.970 ug/l	98
3) Chloromethane	1.32	50	135654	23.666 ug/l	97
4) Vinyl Chloride	1.40	62	144396	22.435 ug/l	98
5) Bromomethane	1.64	94	89736	22.343 ug/l	97
6) Chloroethane	1.72	64	80815	22.274 ug/l	98
7) Trichlorofluoromethane	1.92	101	154165	21.633 ug/l	98
8) Diethyl Ether	2.18	74	66849	21.476 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	94373	22.635 ug/l	99
10) 1,1-Dichloroethene	2.37	96	93042	22.186 ug/l	99
11) Methyl Iodide	2.50	142	99964	17.774 ug/l	99
12) Methyl Acetate	2.76	43	161620	21.334 ug/l	99
13) Acrolein	2.28	56	77811	97.784 ug/l	99
14) Acrylonitrile	3.12	53	265932	102.588 ug/l	99
15) Acetone	2.43	58	87670	100.882 ug/l	82
16) Carbon Disulfide	2.56	76	268320	23.296 ug/l	99
17) Allyl chloride	2.72	41	164634	21.212 ug/l	98
18) Methylene Chloride	2.84	84	107674	21.938 ug/l	96
19) trans-1,2-Dichloroethene	3.16	96	100565	22.276 ug/l	96
20) Diisopropyl ether	3.84	45	333100	21.692 ug/l	98
21) 1,1-Dichloroethane	3.69	63	178130	21.353 ug/l	99
22) cis-1,2-Dichloroethene	4.58	96	112725	21.729 ug/l	96
23) tert-Butyl Alcohol	3.02	59	113828	106.178 ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	304164	21.794 ug/l	99
25) Chloroform	5.20	83	172487	21.345 ug/l	97
26) Cyclohexane	5.56	56	170667	22.180 ug/l	# 99
29) 1,1-Dichloropropene	5.79	75	135975	21.635 ug/l	100
30) 2-Butanone	4.65	43	395013	99.218 ug/l	99
31) 2,2-Dichloropropane	4.58	77	145554	21.644 ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	146427	21.059 ug/l	98
33) Carbon Tetrachloride	5.77	117	125800	21.074 ug/l	96
34) Benzene	6.13	78	411690	21.198 ug/l	98
35) Methacrylonitrile	5.02	41	78063	19.633 ug/l	98
36) 1,2-Dichloroethane	6.18	62	137478	20.341 ug/l	100
37) Trichloroethene	7.20	130	114185	21.473 ug/l	92
38) Methylcyclohexane	7.45	83	172680	22.067 ug/l	100
39) 1,2-Dichloropropane	7.50	63	106090	21.007 ug/l	91
40) Dibromomethane	7.65	93	66835	20.593 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	128288	20.184	ug/l	99
42) Vinyl Acetate	3.80	43	1295585	105.580	ug/l	99
43) Ethyl Acetate	4.81	43	138066	19.157	ug/l	99
44) Isopropyl Acetate	6.43	43	235967	20.296	ug/l	98
45) 1,4-Dioxane	7.73	88	48856	420.086	ug/l	99
46) Methyl methacrylate	7.76	41	116786	20.426	ug/l	97
47) n-amyl Acetate	10.89	43	196829	20.205	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	146856	21.164	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	166368	21.278	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	103062	20.868	ug/l	99
51) Ethyl methacrylate	9.17	69	158887	20.662	ug/l	96
52) 1,3-Dichloropropane	9.36	76	171920	20.546	ug/l	97
53) Dibromochloromethane	9.57	129	107179	21.217	ug/l	97
54) 1,2-Dibromoethane	9.67	107	107407	20.970	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	382329	108.185	ug/l	99
56) Bromoform	10.85	173	75734	19.464	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	743648	102.160	ug/l	99
59) 2-Hexanone	9.48	43	575489	102.225	ug/l	99
61) Tetrachloroethene	9.33	164	118123	20.675	ug/l	93
62) Toluene	8.78	91	439411	21.426	ug/l	99
64) Chlorobenzene	10.13	112	277501	21.676	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	97942	20.714	ug/l	99
66) Ethyl Benzene	10.25	91	483989	21.667	ug/l	98
67) m/p-Xylenes	10.36	106	373041	43.599	ug/l	99
68) o-Xylene	10.70	106	176598	21.196	ug/l	100
69) Styrene	10.71	104	301449	21.354	ug/l	99
70) Isopropylbenzene	11.01	105	478036	21.901	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	150640	20.488	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	170809	27.159	ug/l	96
73) Bromobenzene	11.25	156	123755	21.388	ug/l	99
74) n-propylbenzene	11.35	91	549833	22.044	ug/l	99
75) 2-Chlorotoluene	11.42	91	321225	21.489	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	393421	21.631	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	48076	19.862	ug/l	94
78) 4-Chlorotoluene	11.51	91	370297	21.812	ug/l	97
79) tert-butylbenzene	11.76	119	373769	21.963	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	390559	21.530	ug/l	99
81) sec-Butylbenzene	11.94	105	464106	22.039	ug/l	100
82) p-Isopropyltoluene	12.06	119	418339	21.760	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	219846	21.760	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	217964	21.761	ug/l	99
85) n-Butylbenzene	12.39	91	367992	21.877	ug/l	100
86) Hexachloroethane	12.59	117	71226	20.660	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	218892	21.473	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	32052	20.407	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	150024	22.296	ug/l	98
90) Hexachlorobutadiene	13.78	225	75660	22.504	ug/l	97
91) Naphthalene	13.83	128	431918	21.265	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	146688	21.418	ug/l	99

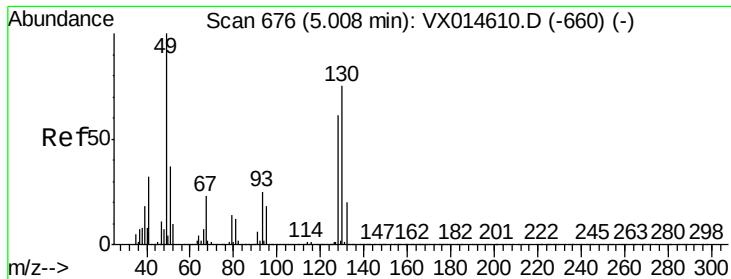
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

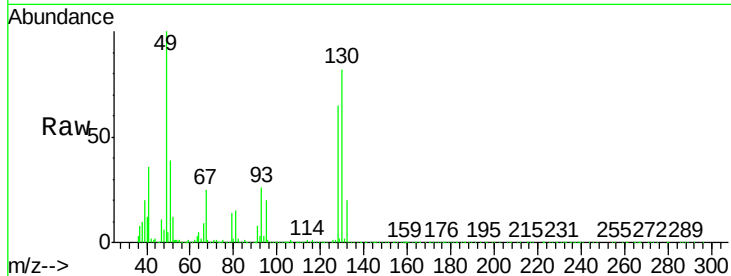
Tgt Ion:128 Resp: 75756

Ion Ratio Lower Upper

128 100

49 162.0 0.0 405.0

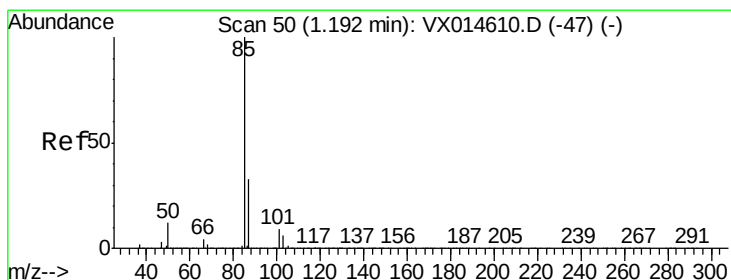
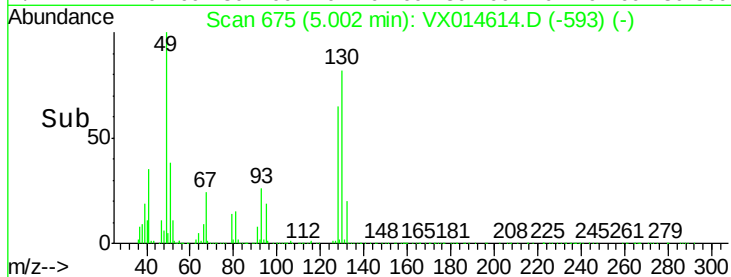
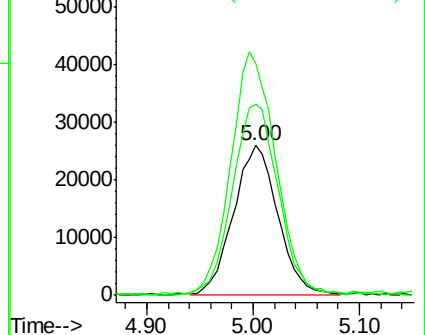
130 131.4 0.0 321.5



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: 22.970 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014614.D

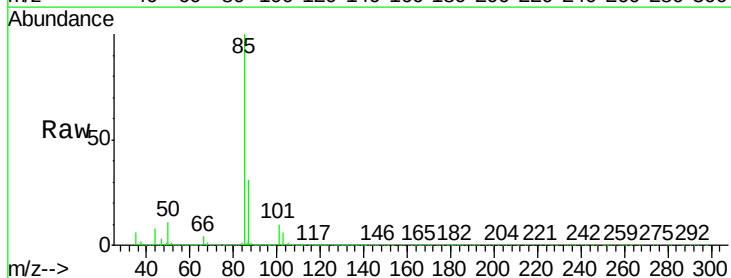
Acq: 15 Jan 2020 12:59

Tgt Ion: 85 Resp: 120260

Ion Ratio Lower Upper

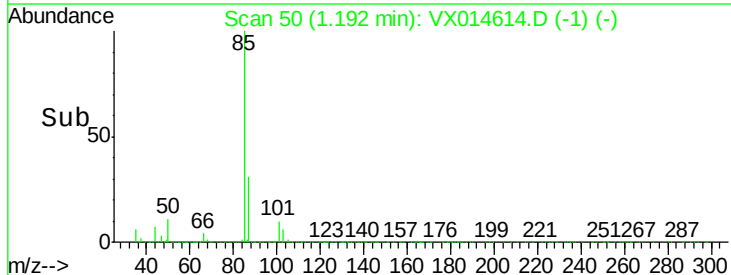
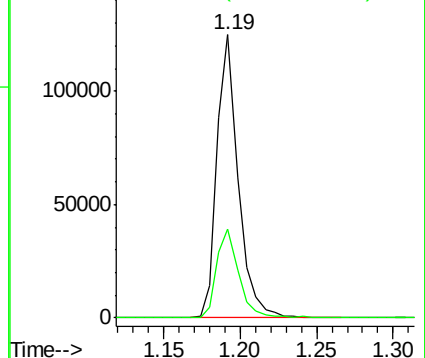
85 100

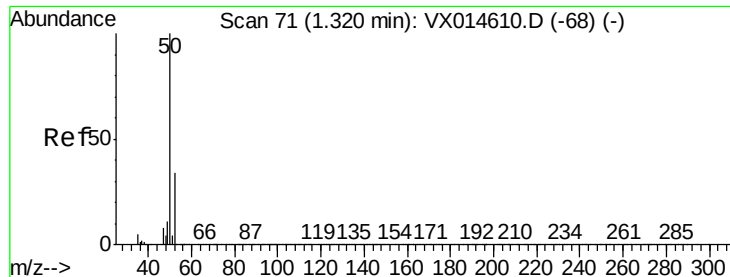
87 31.4 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

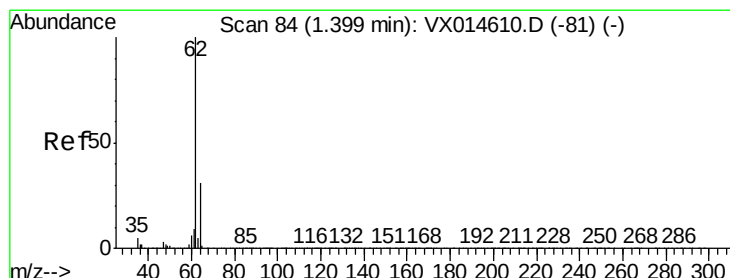
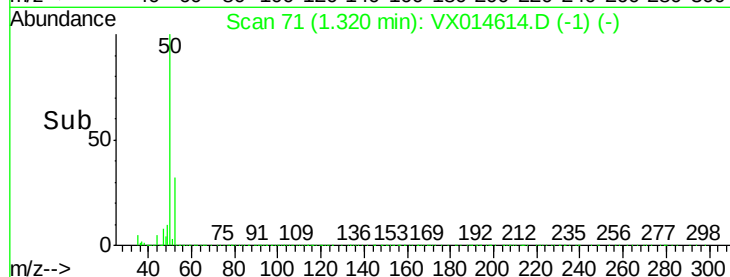
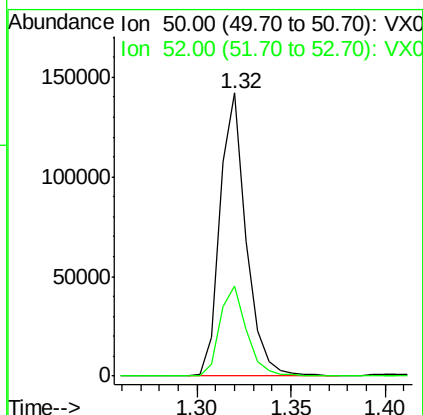
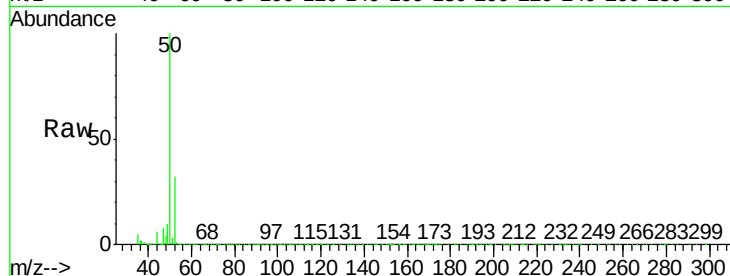




#3
Chloromethane
Concen: 23.666 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

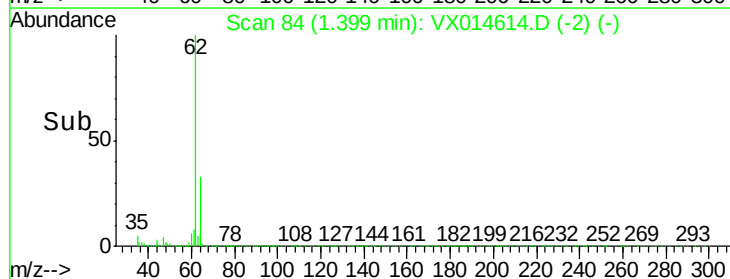
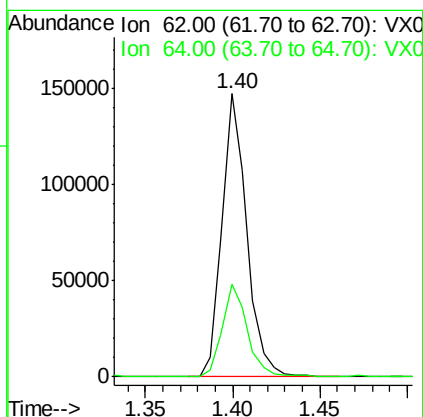
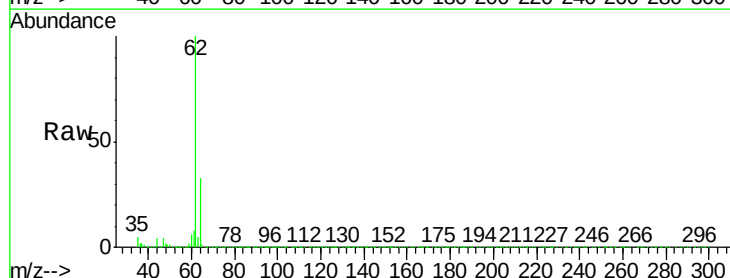
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

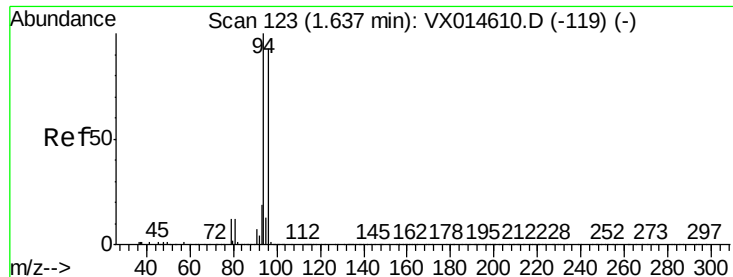
Tgt Ion: 50 Resp: 135654
Ion Ratio Lower Upper
50 100
52 31.9 24.3 36.5



#4
Vinyl Chloride
Concen: 22.435 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion: 62 Resp: 144396
Ion Ratio Lower Upper
62 100
64 32.5 25.2 37.8





#5

Bromomethane

Concen: 22.343 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

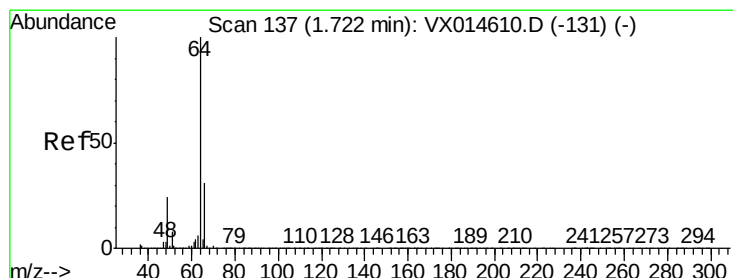
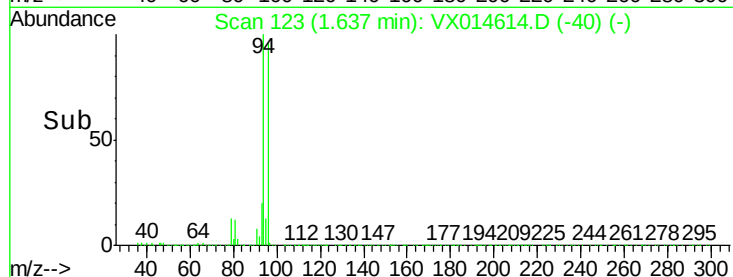
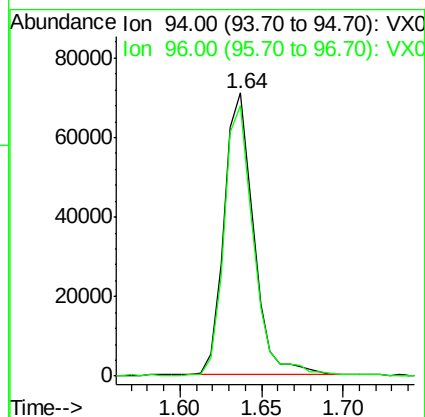
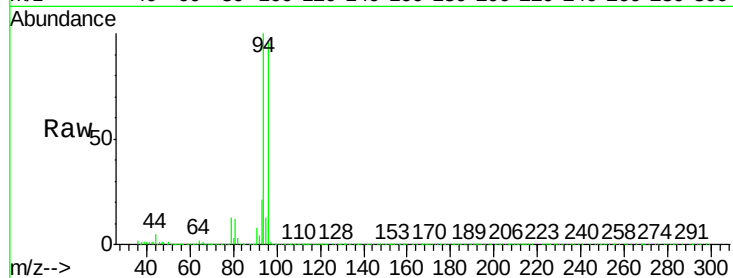
ICVVX011520

Tgt Ion: 94 Resp: 89736

Ion Ratio Lower Upper

94 100

96 95.5 74.4 111.6



#6

Chloroethane

Concen: 22.274 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014614.D

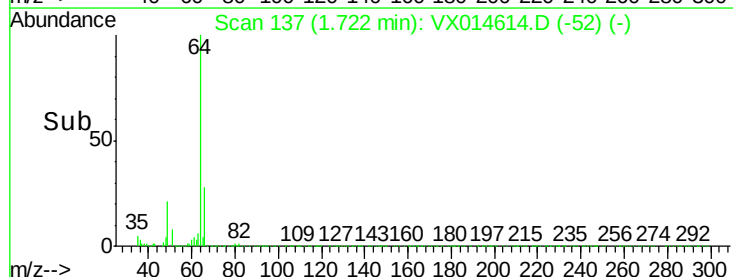
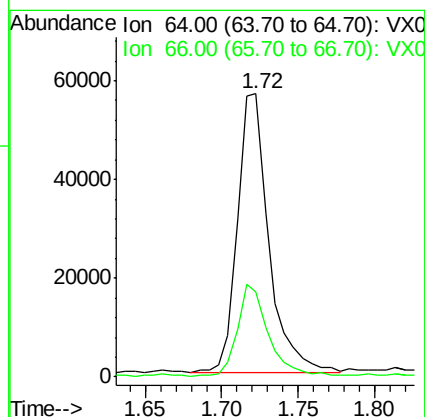
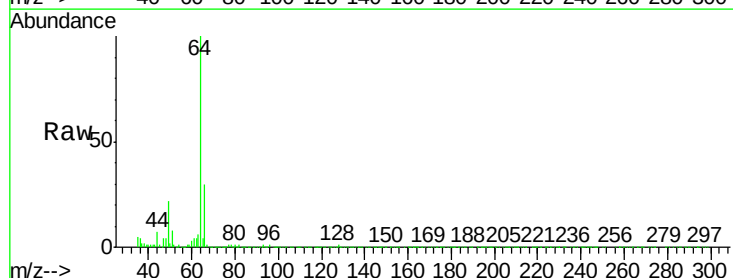
Acq: 15 Jan 2020 12:59

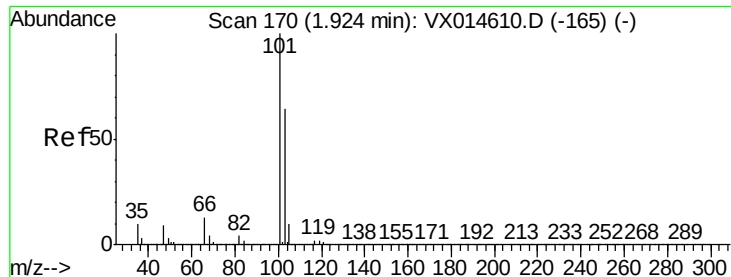
Tgt Ion: 64 Resp: 80815

Ion Ratio Lower Upper

64 100

66 30.3 25.2 37.8



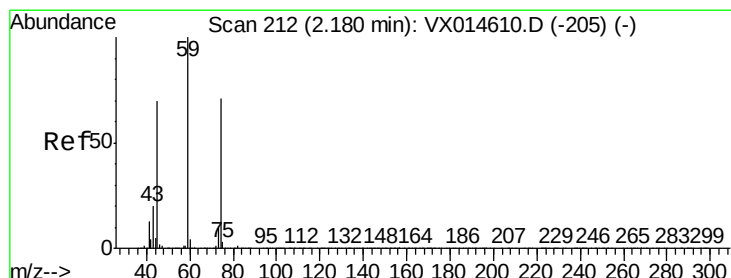
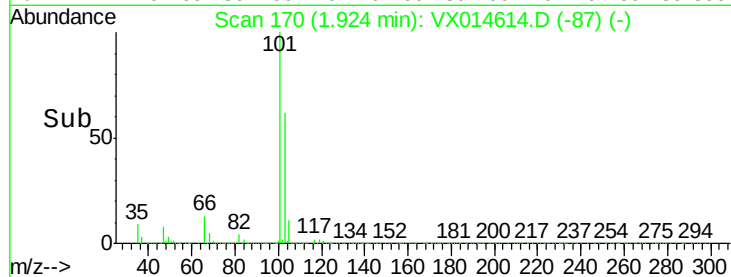
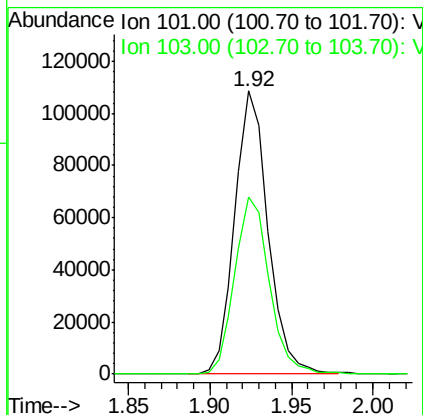
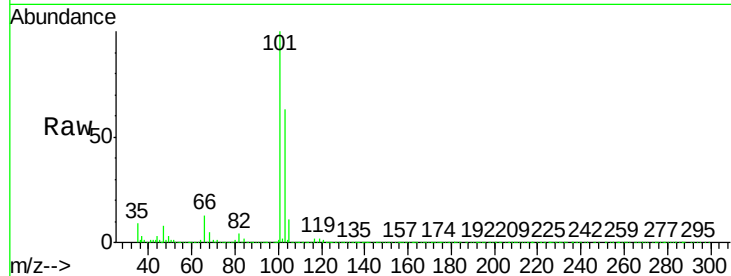


#7

Trichlorofluoromethane
Concen: 21.633 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014614.D
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Instrument :
MSVOA_X
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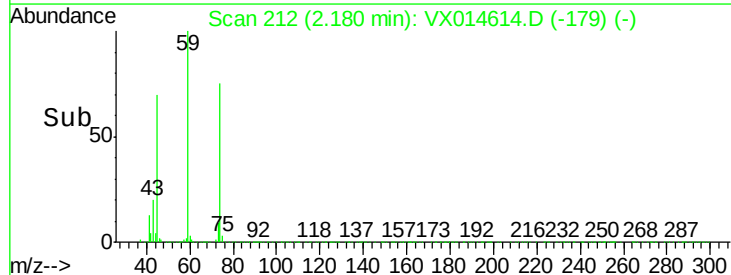
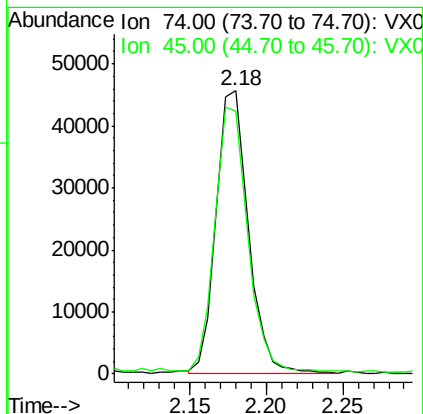
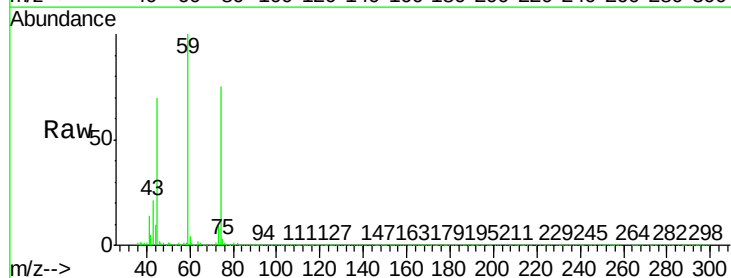
Tgt Ion:101 Resp: 154165
Ion Ratio Lower Upper
101 100
103 62.7 51.6 77.4

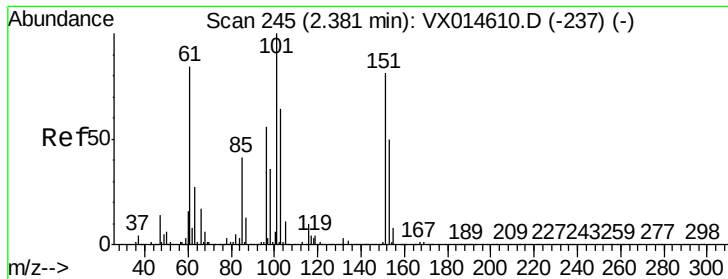


#8

Diethyl Ether
Concen: 21.476 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion: 74 Resp: 66849
Ion Ratio Lower Upper
74 100
45 95.2 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.635 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

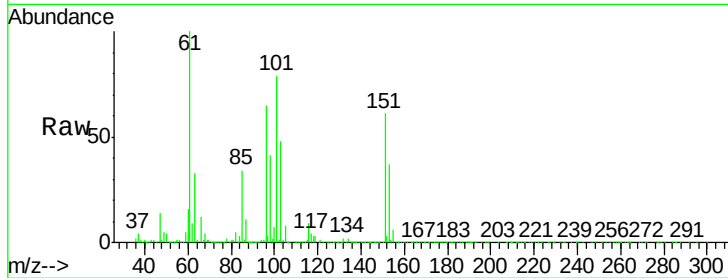
Tgt Ion: 101 Resp: 94373

Ion Ratio Lower Upper

101 100

85 41.9 0.0 85.6

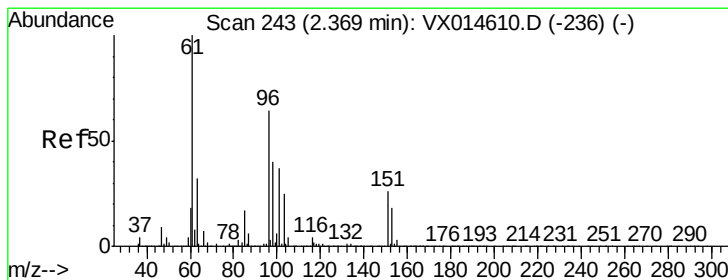
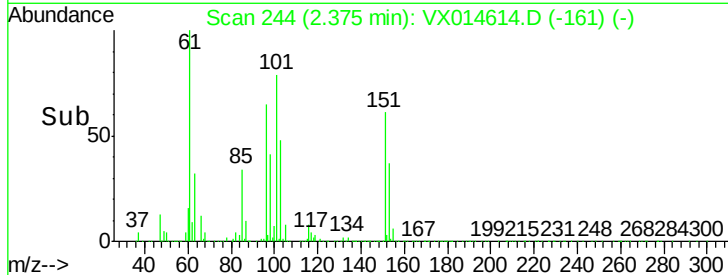
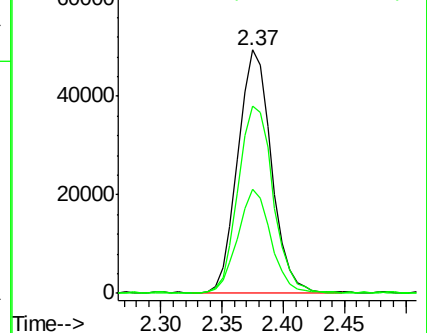
151 79.9 0.0 159.4



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: 22.186 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

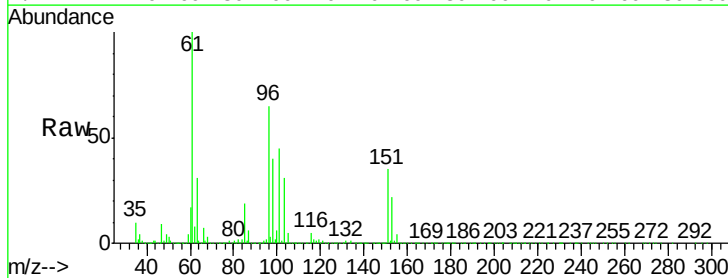
Tgt Ion: 96 Resp: 93042

Ion Ratio Lower Upper

96 100

61 153.8 123.0 184.6

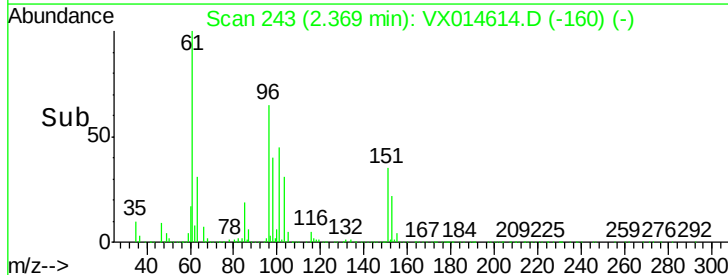
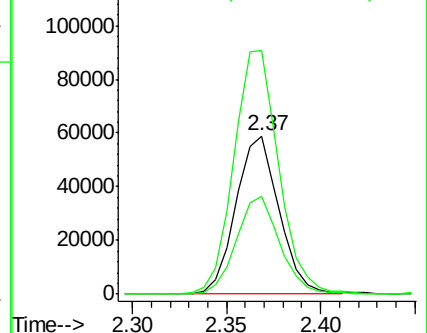
98 61.8 51.4 77.0

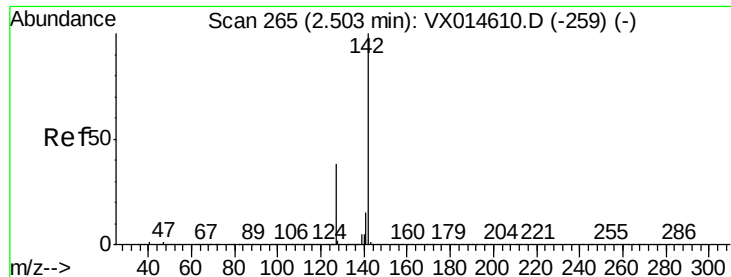


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

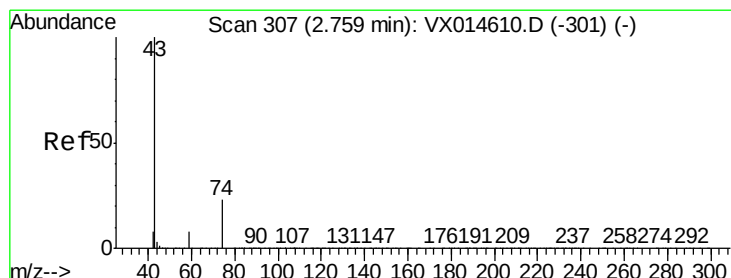
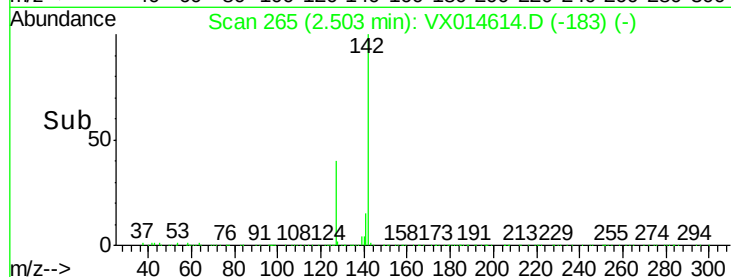
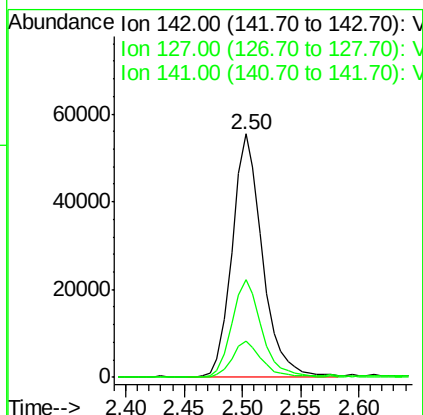
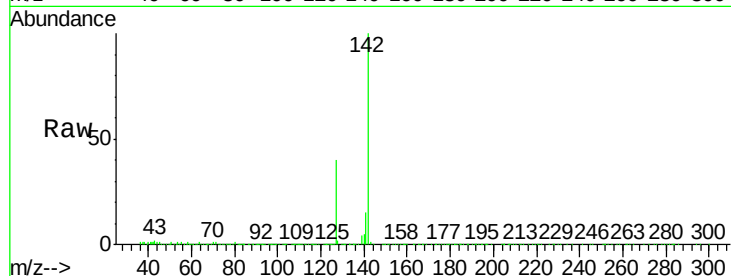




#11
Methyl Iodide
Concen: 17.774 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

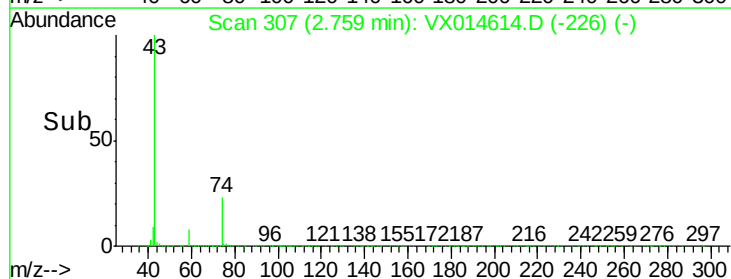
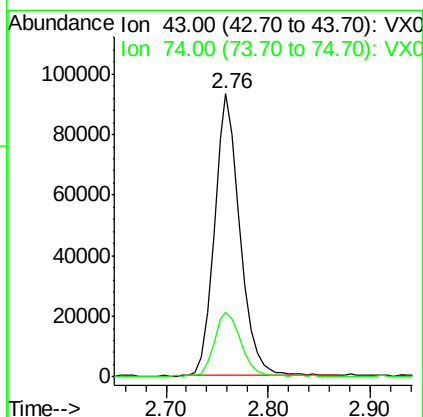
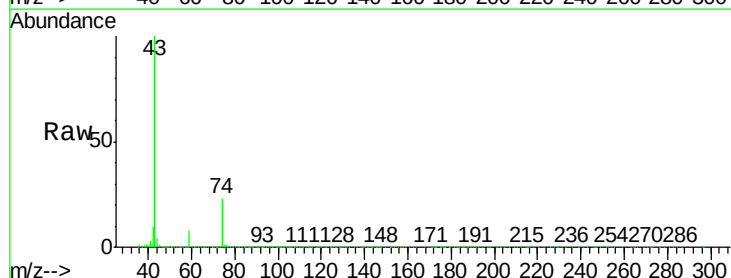
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

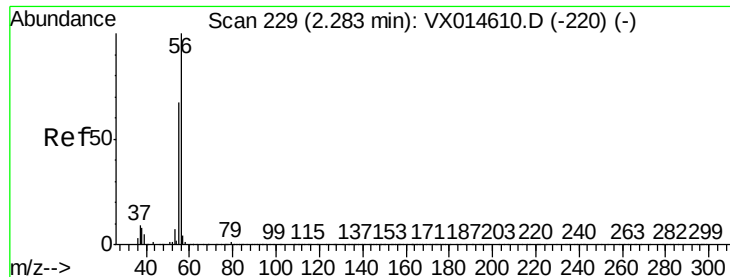
Tgt Ion:142 Resp: 99964
Ion Ratio Lower Upper
142 100
127 39.7 19.5 58.5
141 14.5 7.0 20.9



#12
Methyl Acetate
Concen: 21.334 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion: 43 Resp: 161620
Ion Ratio Lower Upper
43 100
74 22.7 18.5 27.7





#13

Acrolein

Concen: 97.784 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

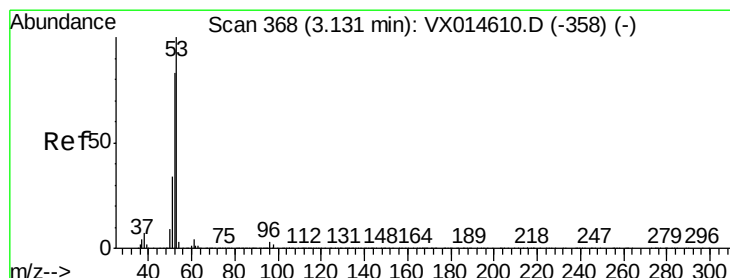
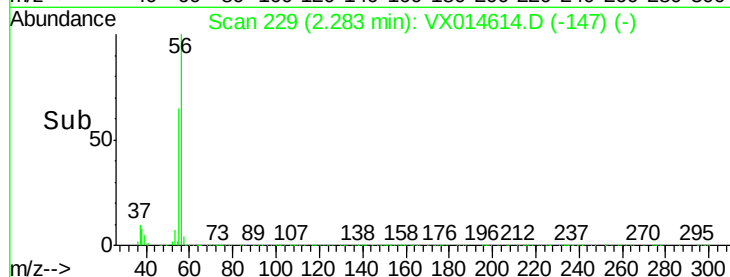
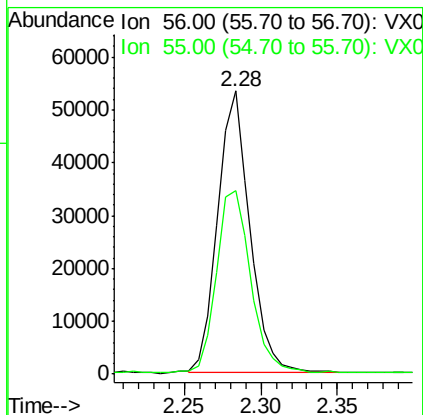
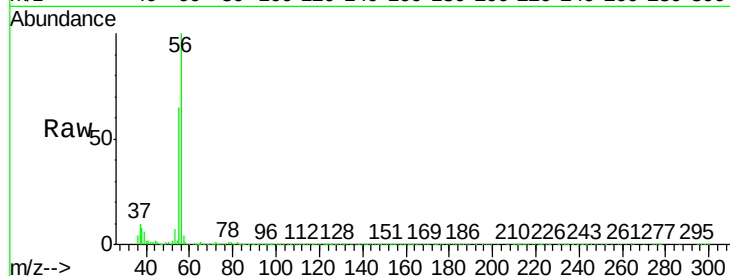
ICVVX011520

Tgt Ion: 56 Resp: 77811

Ion Ratio Lower Upper

56 100

55 69.3 54.9 82.3



#14

Acrylonitrile

Concen: 102.588 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

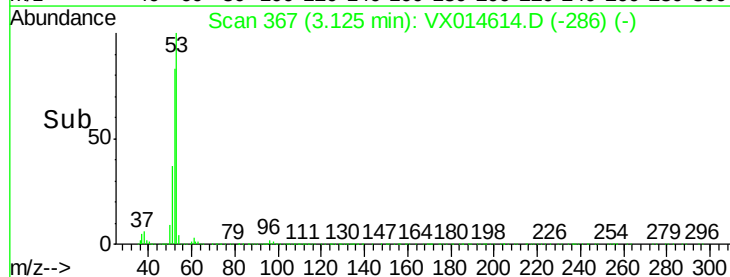
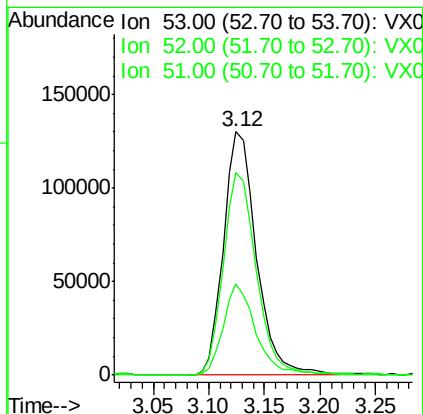
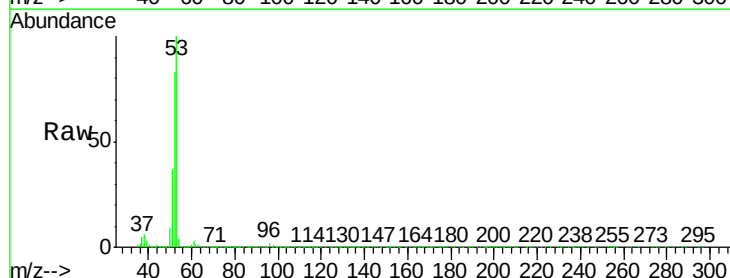
Tgt Ion: 53 Resp: 265932

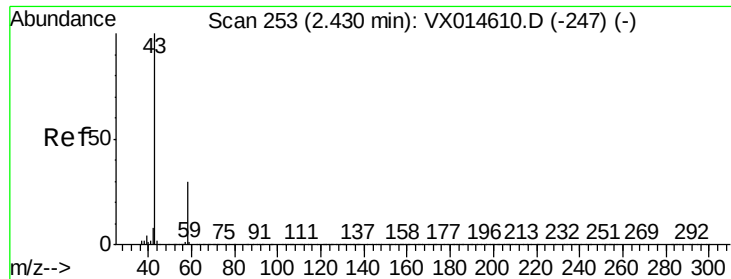
Ion Ratio Lower Upper

53 100

52 83.1 41.5 124.6

51 36.9 17.8 53.5





#15

Acetone

Concen: 100.882 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

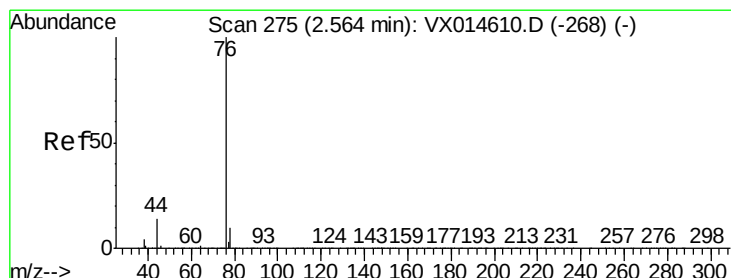
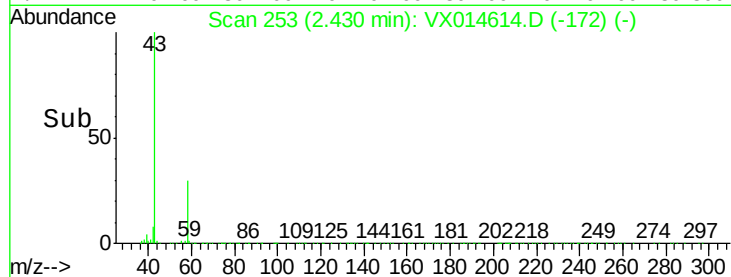
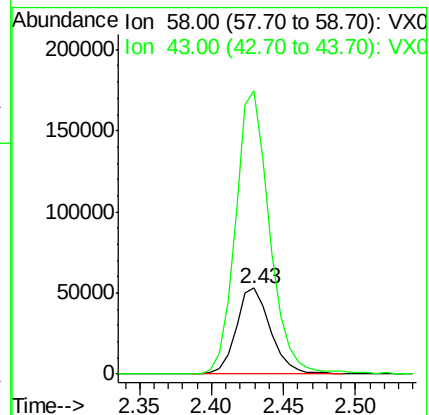
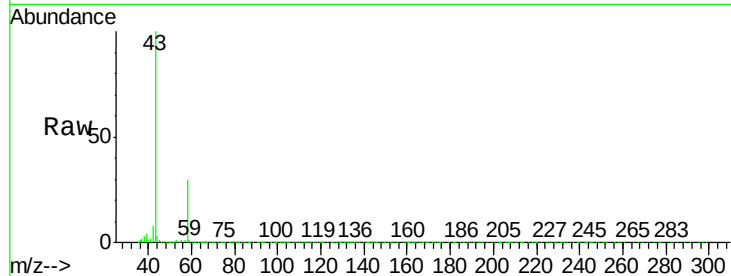
ICVVX011520

Tgt Ion: 58 Resp: 87670

Ion Ratio Lower Upper

58 100

43 330.5 236.3 354.5



#16

Carbon Disulfide

Concen: 23.296 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014614.D

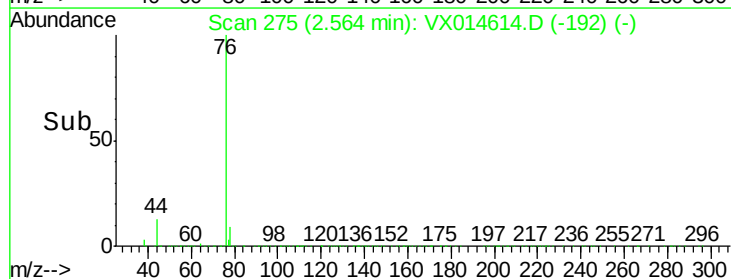
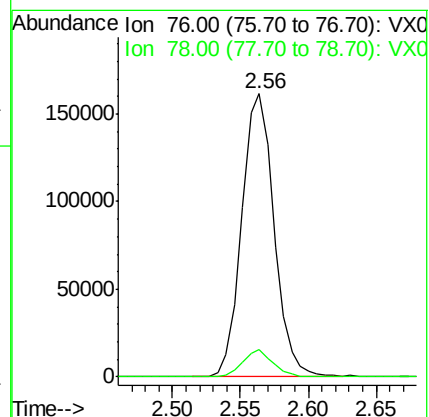
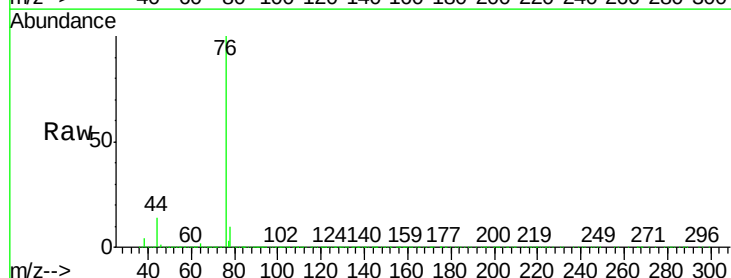
Acq: 15 Jan 2020 12:59

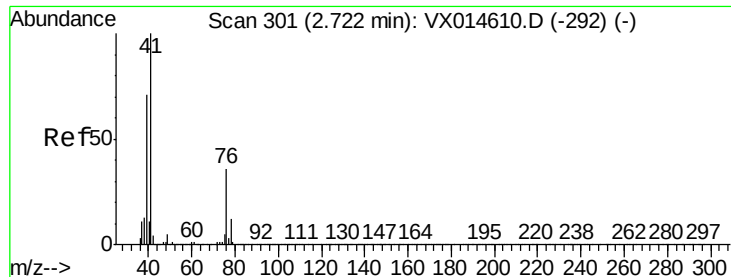
Tgt Ion: 76 Resp: 268320

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8





#17

Allyl chloride

Concen: 21.212 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

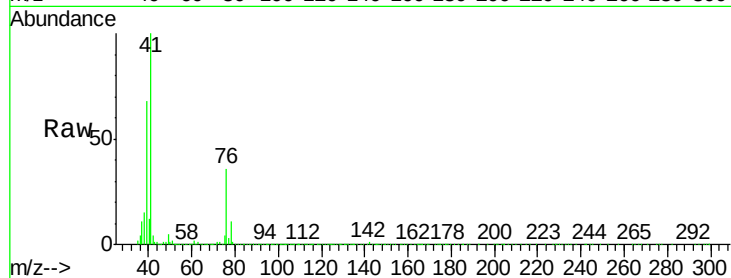
Tgt Ion: 41 Resp: 164634

Ion Ratio Lower Upper

41 100

39 67.9 33.4 100.2

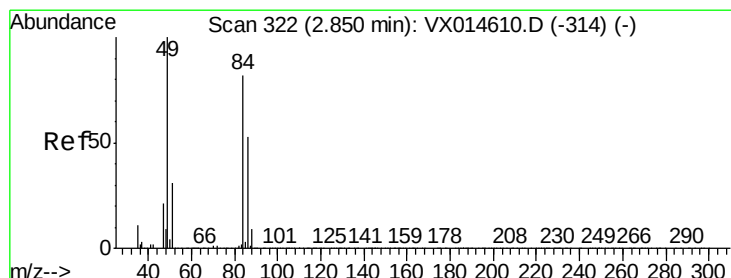
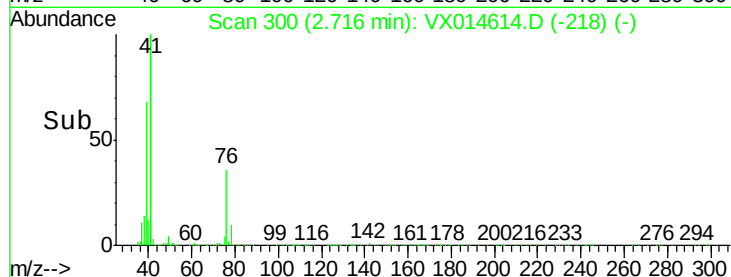
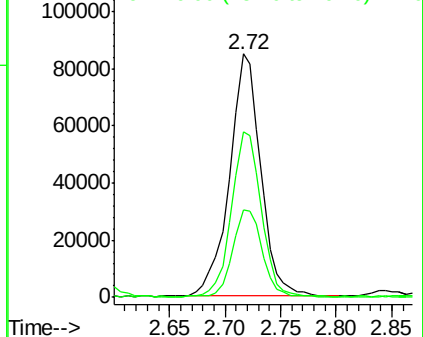
76 35.9 17.0 50.9



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: 21.938 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Tgt Ion: 84 Resp: 107674

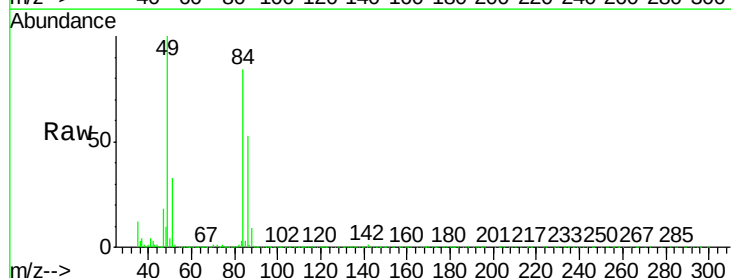
Ion Ratio Lower Upper

84 100

49 119.2 102.2 153.2

51 39.4 31.4 47.0

86 63.7 50.8 76.2

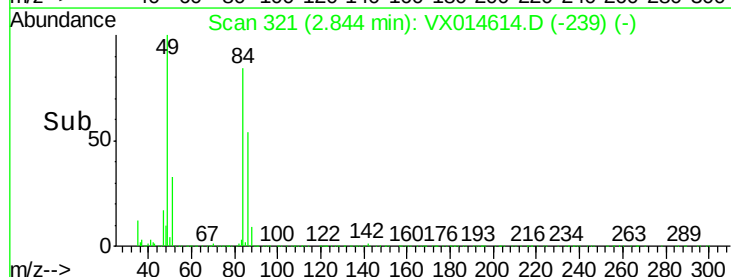
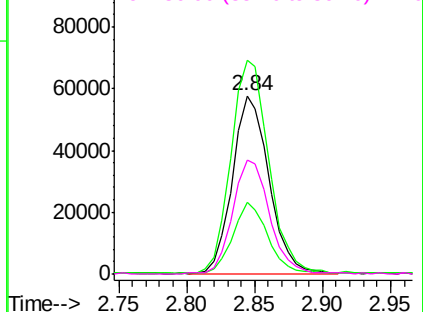


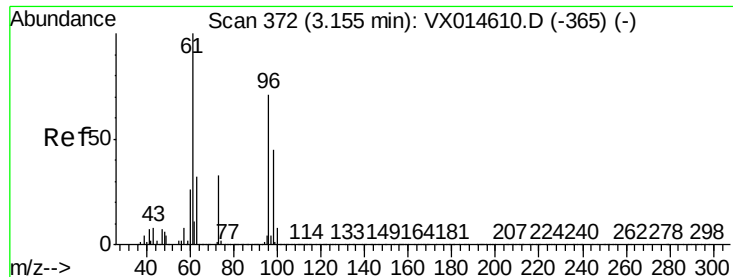
Abundance Ion 84.00 (83.70 to 84.70): VX0

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: 22.276 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

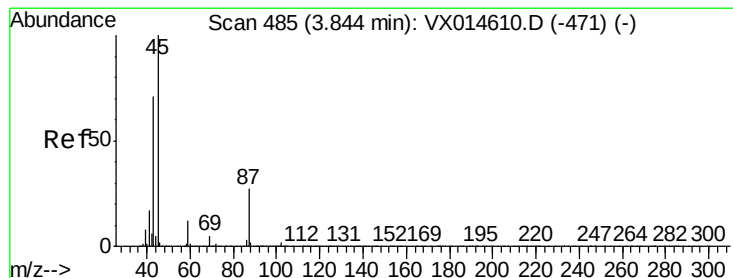
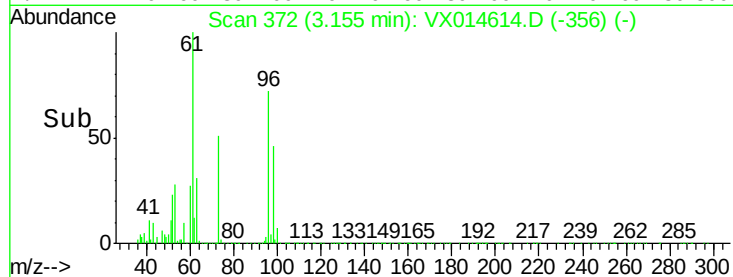
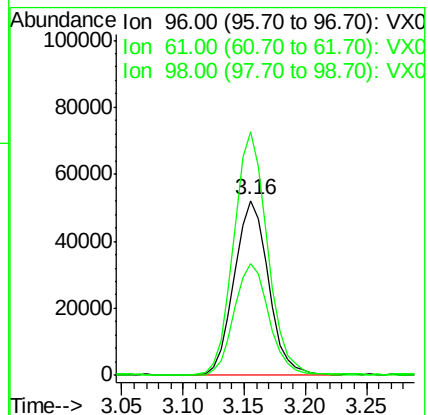
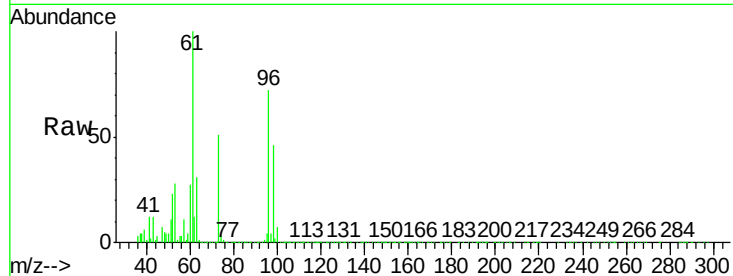
Tgt Ion: 96 Resp: 100565

Ion Ratio Lower Upper

96 100

61 139.4 106.6 159.8

98 63.6 51.6 77.4



#20

Diisopropyl ether

Concen: 21.692 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Tgt Ion: 45 Resp: 333100

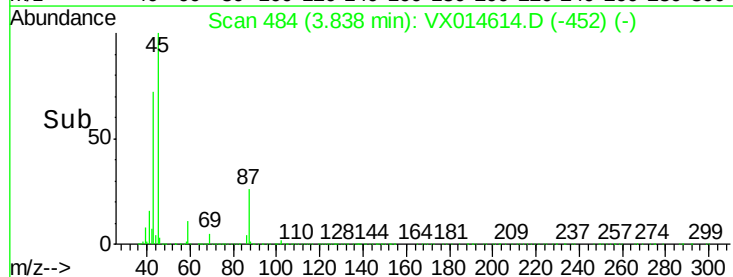
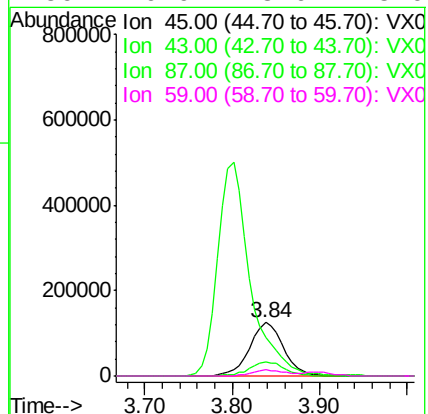
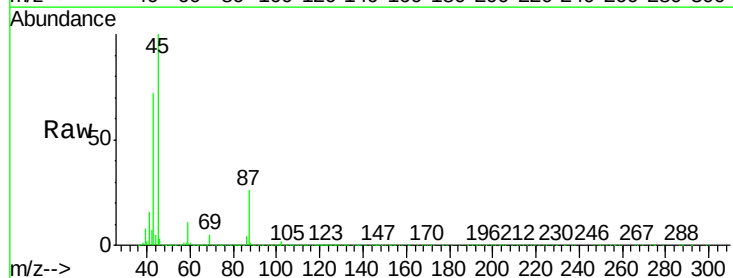
Ion Ratio Lower Upper

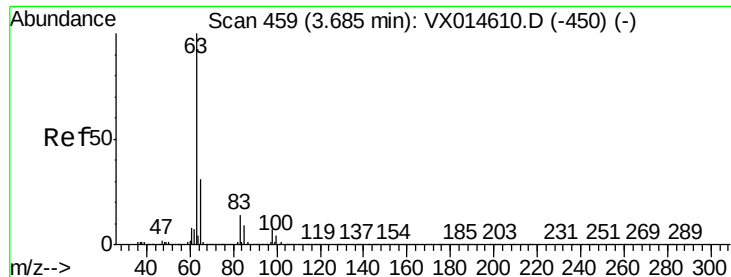
45 100

43 70.6 55.9 83.9

87 25.6 22.2 33.2

59 10.9 8.6 13.0





#21

1,1-Dichloroethane

Concen: 21.353 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

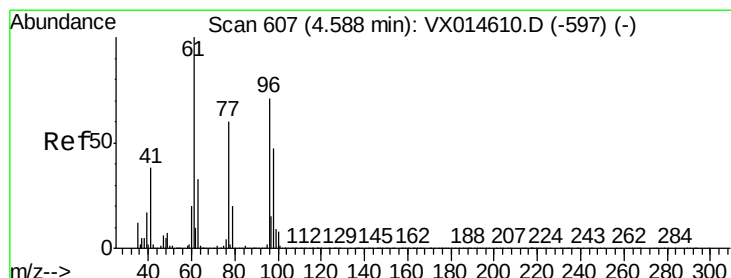
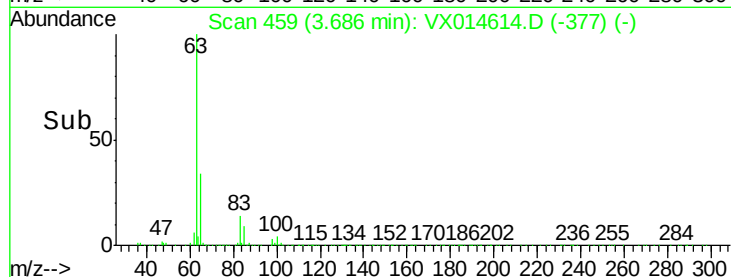
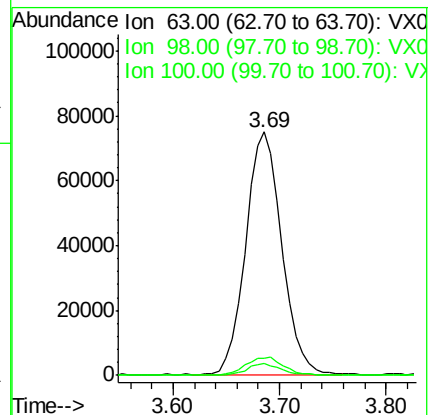
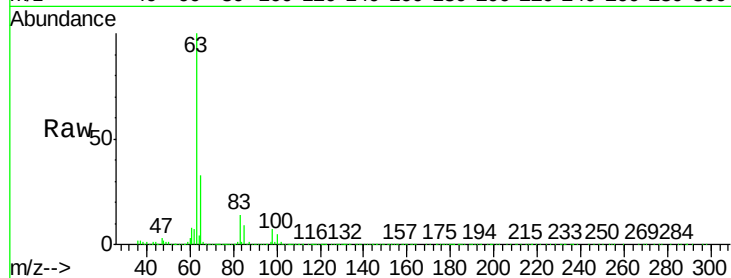
Tgt Ion: 63 Resp: 178130

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.8 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 21.729 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

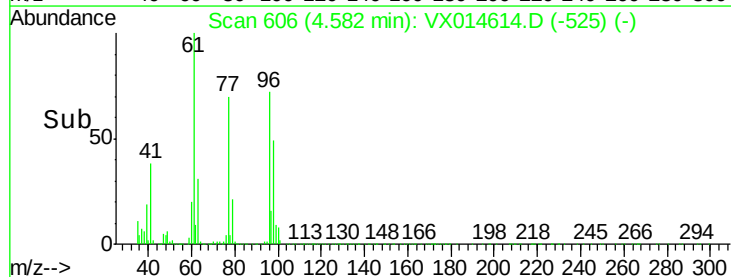
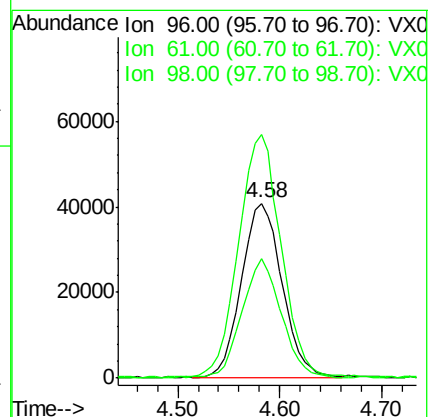
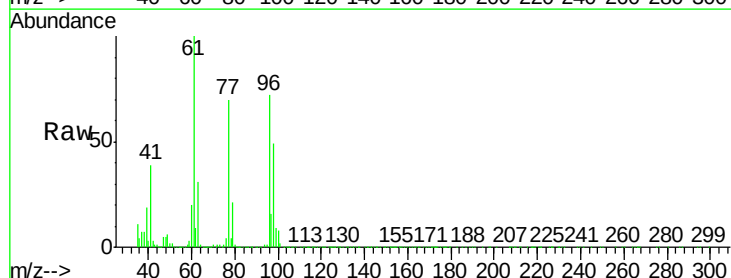
Tgt Ion: 96 Resp: 112725

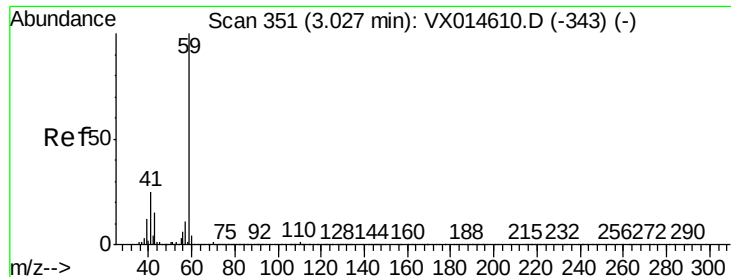
Ion Ratio Lower Upper

96 100

61 146.1 112.4 168.6

98 65.4 50.3 75.5



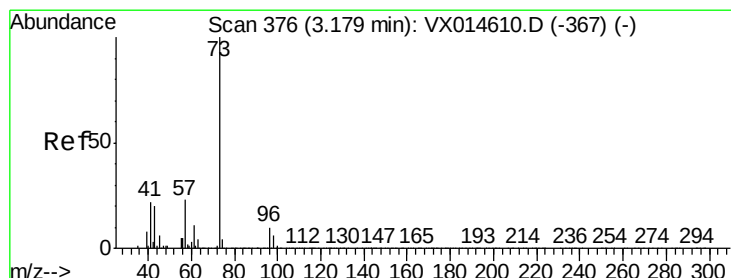
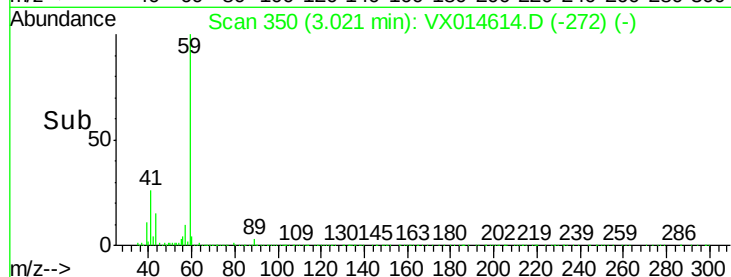
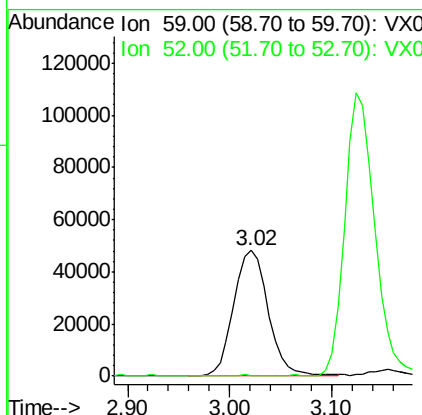
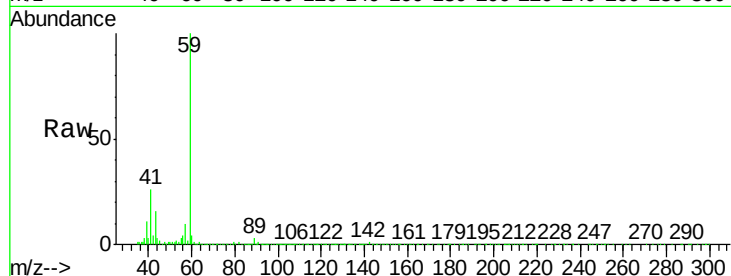


#23

tert-Butyl Alcohol
Concen: 106.178 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

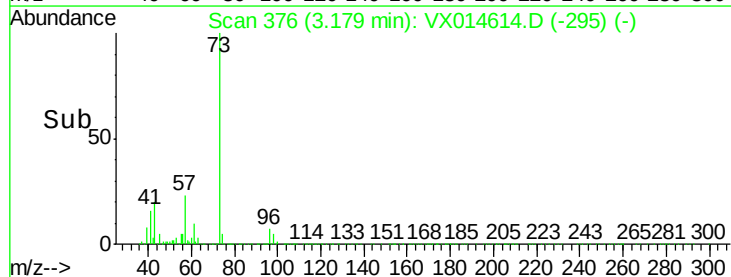
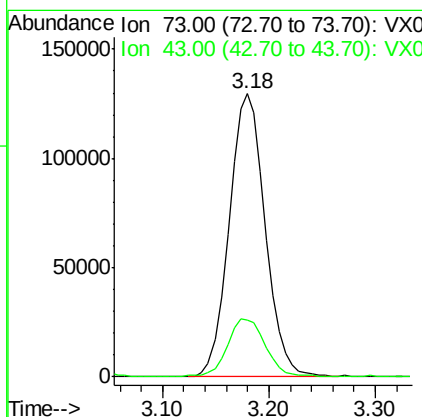
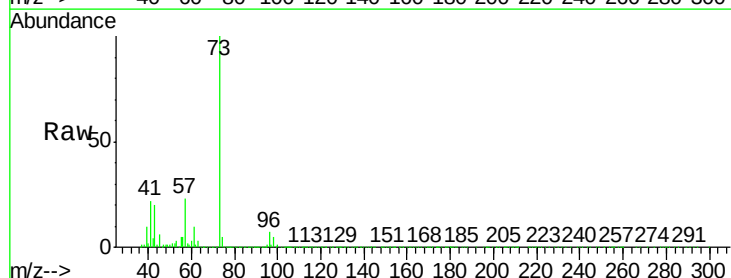
Tgt Ion: 59 Resp: 113828
Ion Ratio Lower Upper
59 100
52 0.6 0.2 0.2#

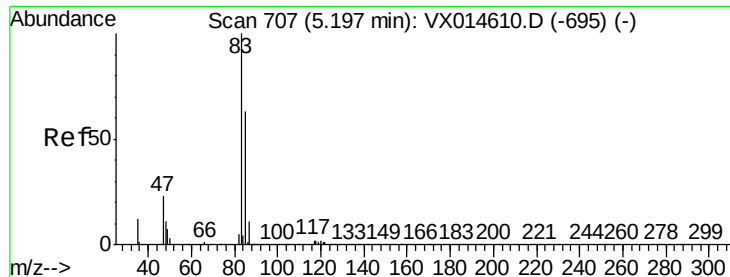


#24

Methyl tert-Butyl Ether
Concen: 21.794 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion: 73 Resp: 304164
Ion Ratio Lower Upper
73 100
43 21.3 16.6 25.0





#25

Chloroform

Concen: 21.345 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

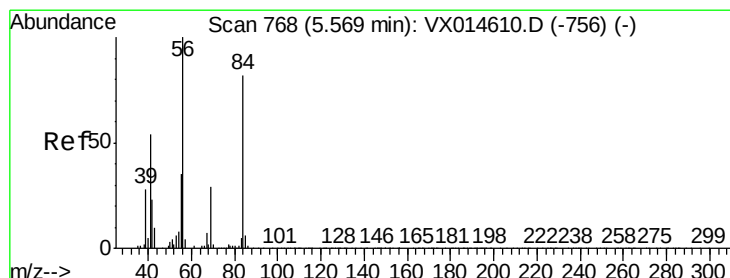
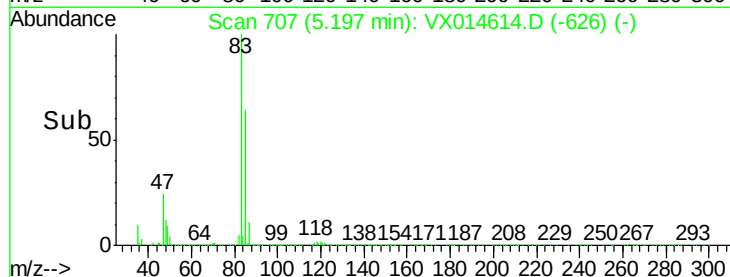
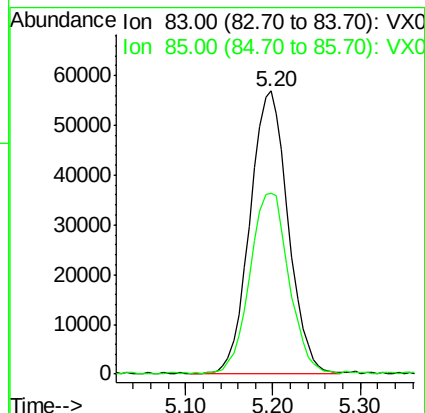
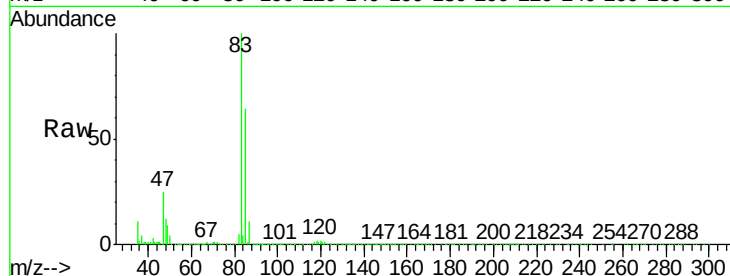
ICVVX011520

Tgt Ion: 83 Resp: 172487

Ion Ratio Lower Upper

83 100

85 63.6 52.7 79.1



#26

Cyclohexane

Concen: 22.180 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

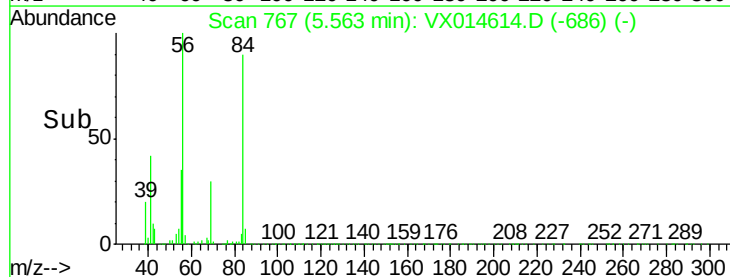
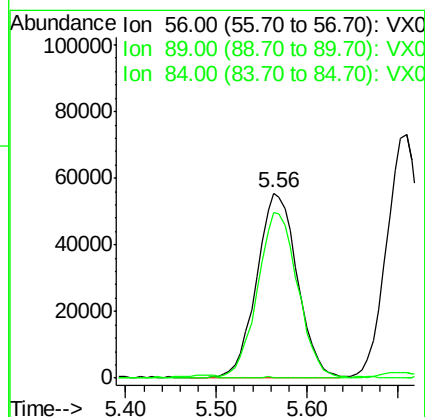
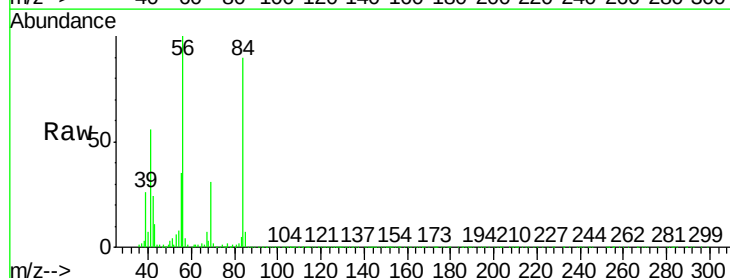
Tgt Ion: 56 Resp: 170667

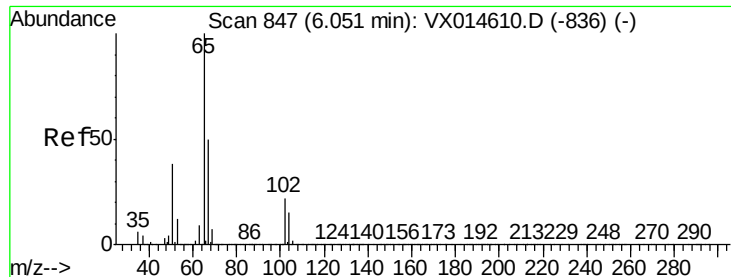
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 89.0 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 30.183 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

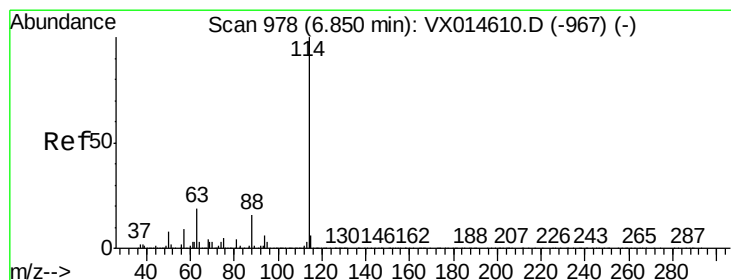
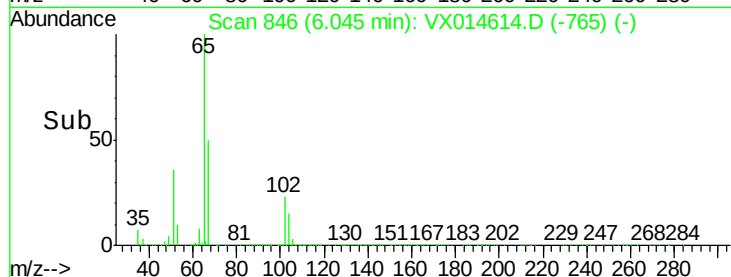
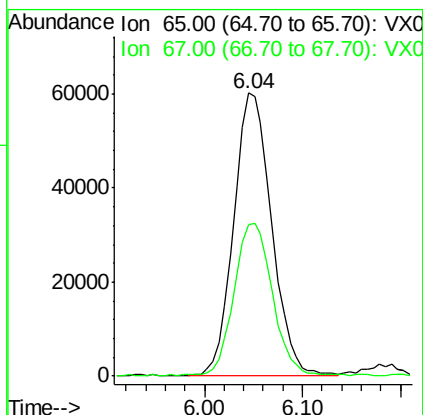
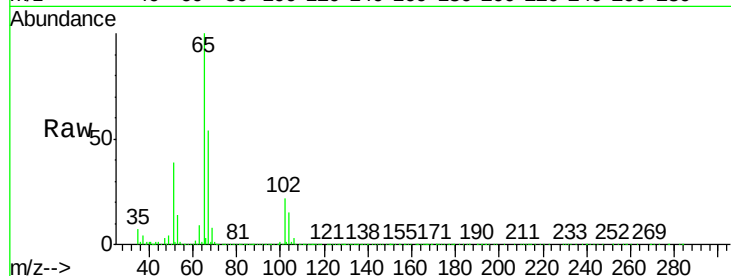
ICVVX011520

Tgt Ion: 65 Resp: 160716

Ion Ratio Lower Upper

65 100

67 54.5 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

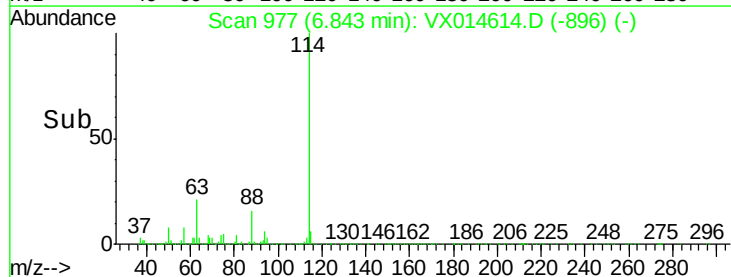
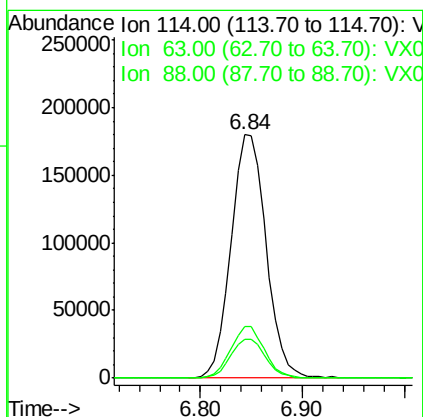
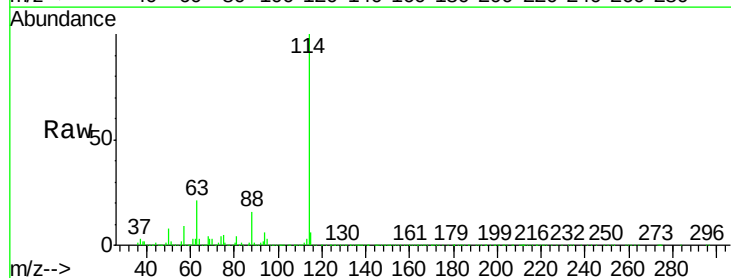
Tgt Ion: 114 Resp: 428543

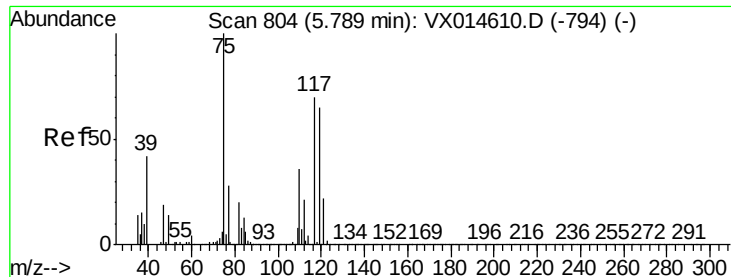
Ion Ratio Lower Upper

114 100

63 20.4 16.1 24.1

88 15.8 12.5 18.7





#29

1,1-Dichloropropene

Concen: 21.635 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

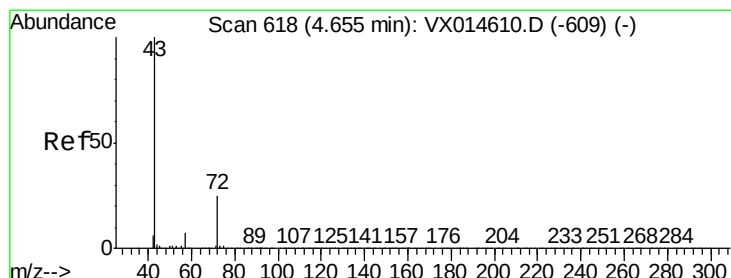
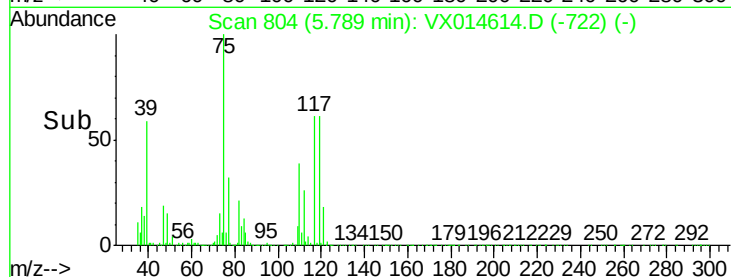
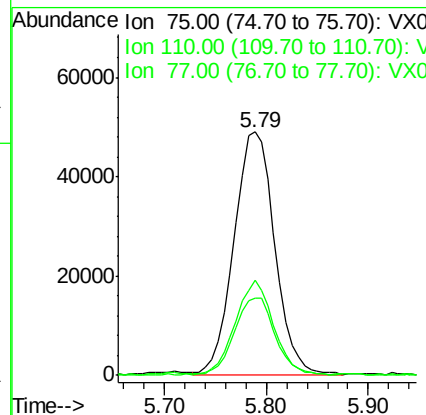
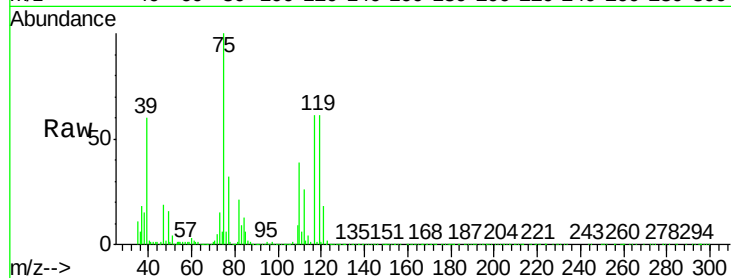
Tgt Ion: 75 Resp: 135975

Ion Ratio Lower Upper

75 100

110 37.1 0.0 73.8

77 31.1 0.0 62.4



#30

2-Butanone

Concen: 99.218 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

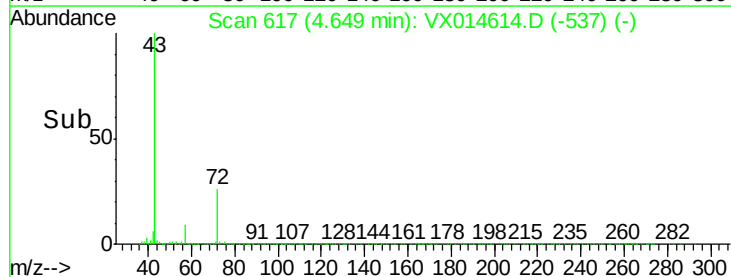
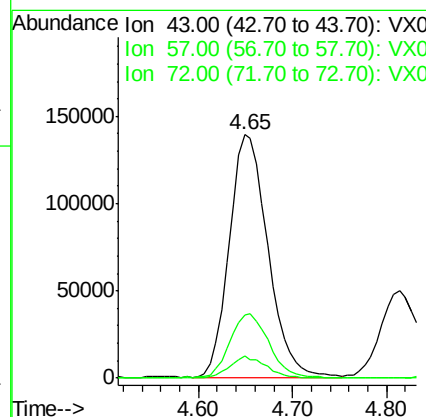
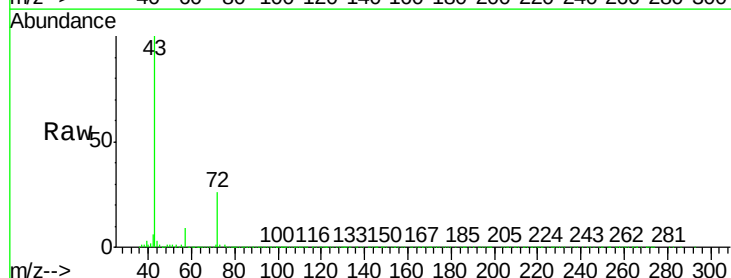
Tgt Ion: 43 Resp: 395013

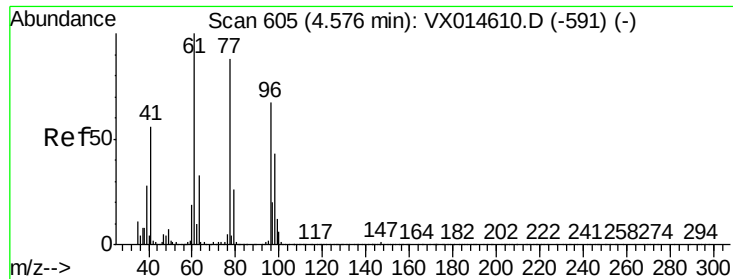
Ion Ratio Lower Upper

43 100

57 8.1 6.2 9.2

72 26.1 20.3 30.5





#31

2,2-Dichloropropane

Concen: 21.644 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

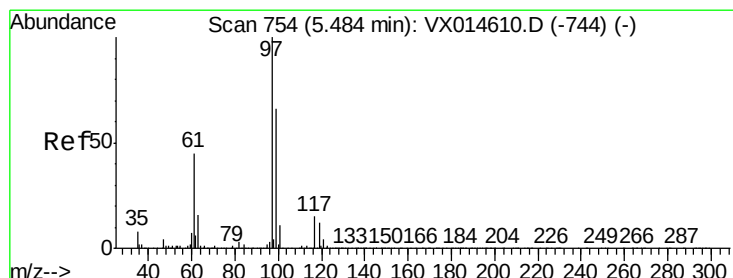
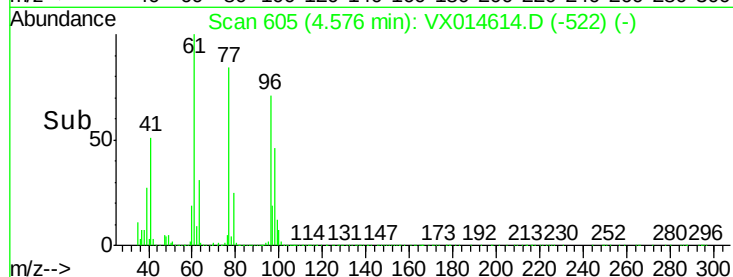
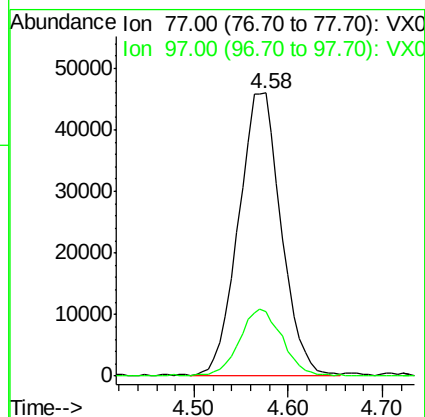
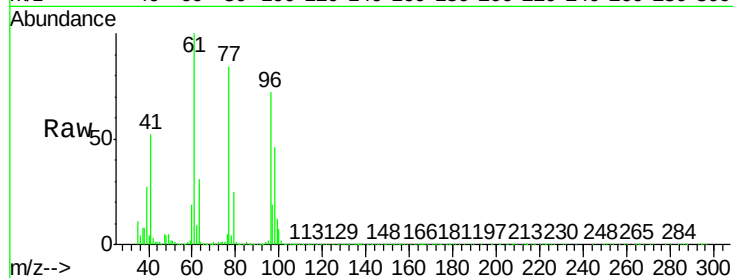
ICVVX011520

Tgt Ion: 77 Resp: 145554

Ion Ratio Lower Upper

77 100

97 22.9 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 21.059 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

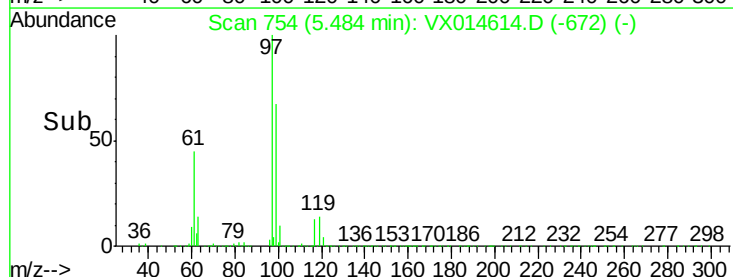
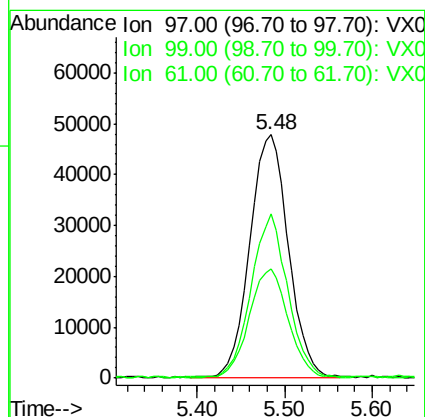
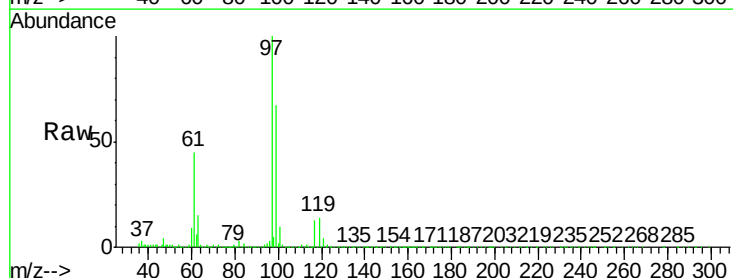
Tgt Ion: 97 Resp: 146427

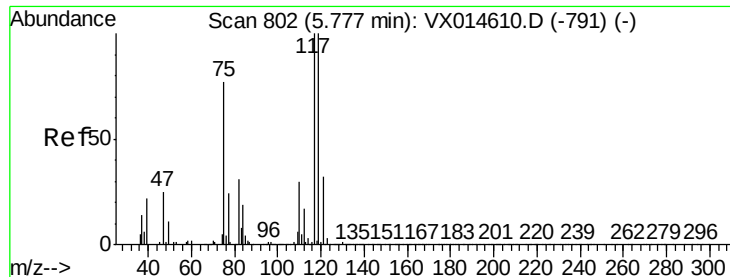
Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

61 43.7 36.8 55.2





#33

Carbon Tetrachloride

Concen: 21.074 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampled :

ICVVX011520

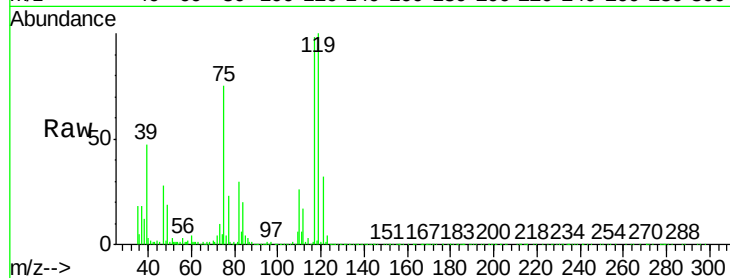
Tgt Ion: 117 Resp: 125800

Ion Ratio Lower Upper

117 100

119 101.6 77.2 115.8

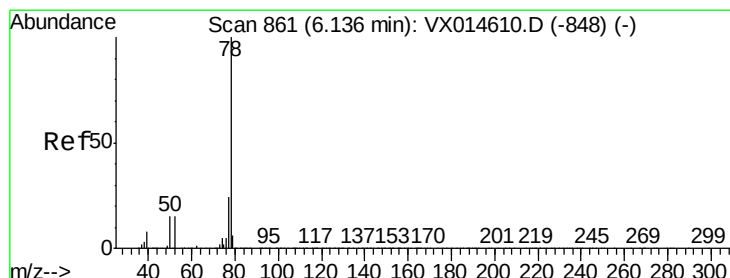
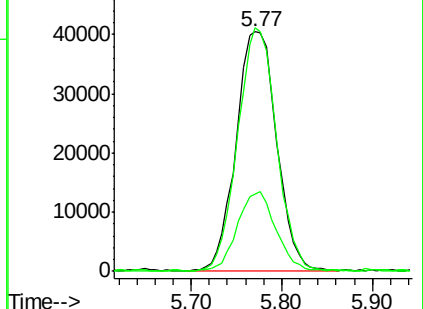
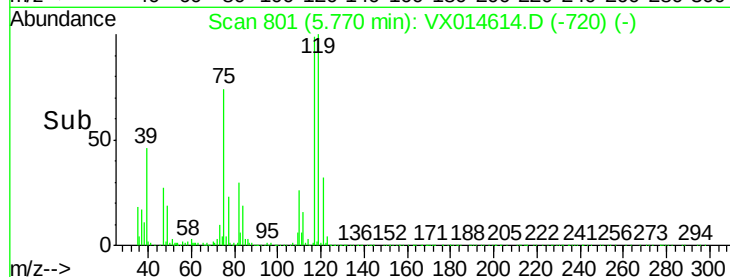
121 31.9 24.8 37.2



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: 21.198 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

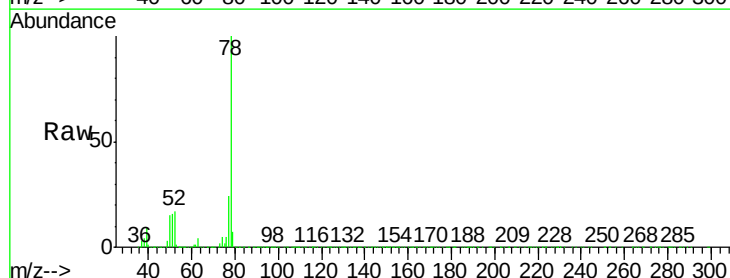
Tgt Ion: 78 Resp: 411690

Ion Ratio Lower Upper

78 100

77 24.1 18.2 27.2

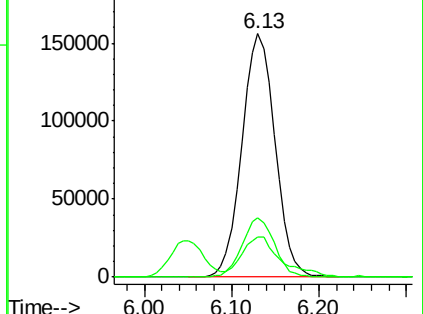
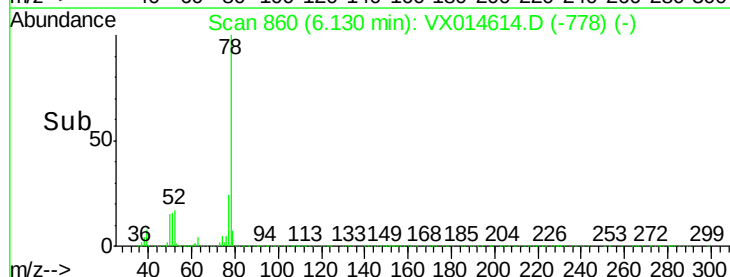
51 16.2 12.4 18.6

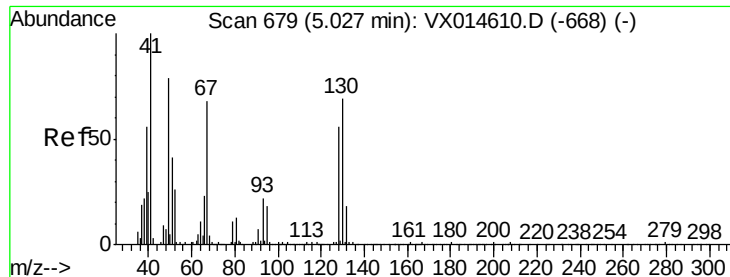


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

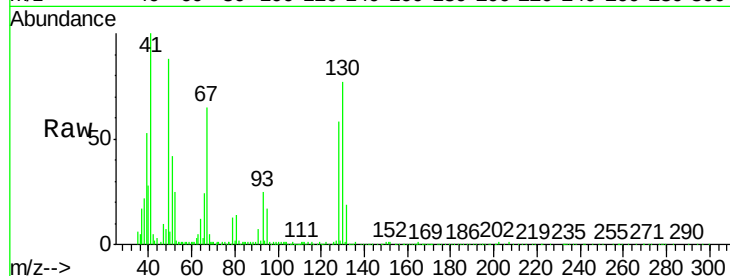




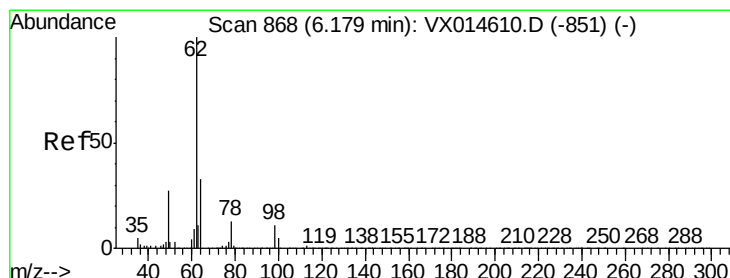
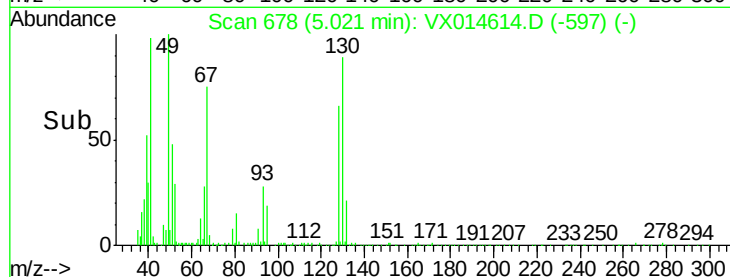
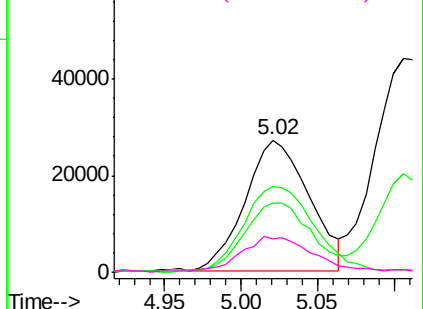
#35
Methacrylonitrile
Concen: 19.633 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

Tgt Ion:	41	Resp:	78063
Ion	Ratio	Lower	Upper
41	100		
39	52.4	26.7	80.1
67	64.0	31.5	94.5
52	23.4	12.8	38.4

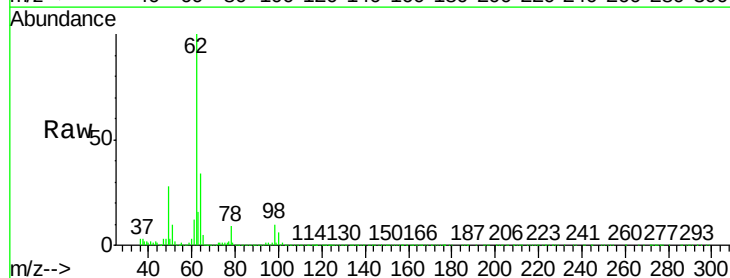


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

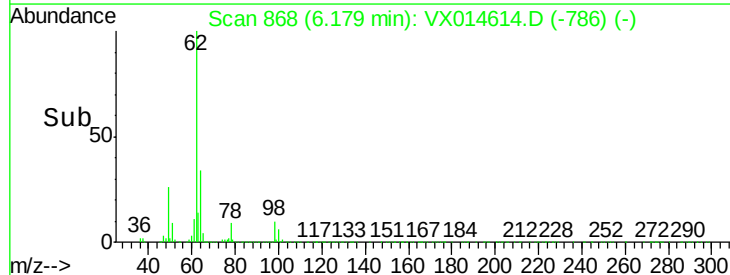
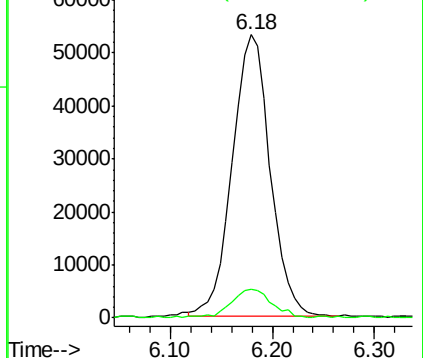


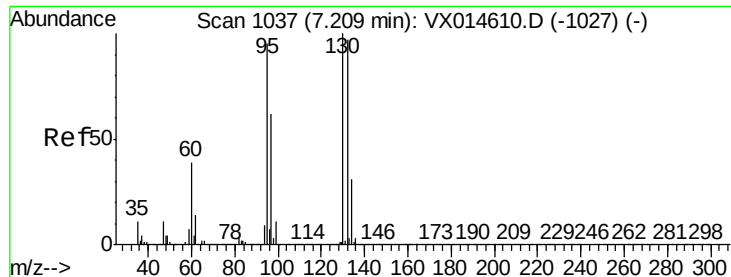
#36
1,2-Dichloroethane
Concen: 20.341 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion:	62	Resp:	137478
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.4	12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 21.473 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

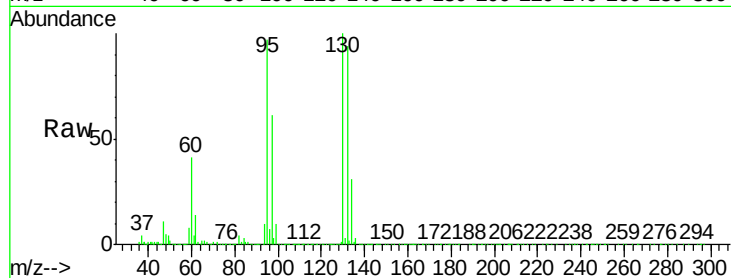
ICVVX011520

Tgt Ion:130 Resp: 114185

Ion Ratio Lower Upper

130 100

95 97.0 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

60000

50000

40000

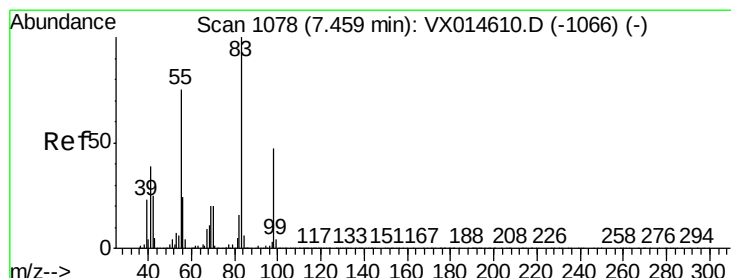
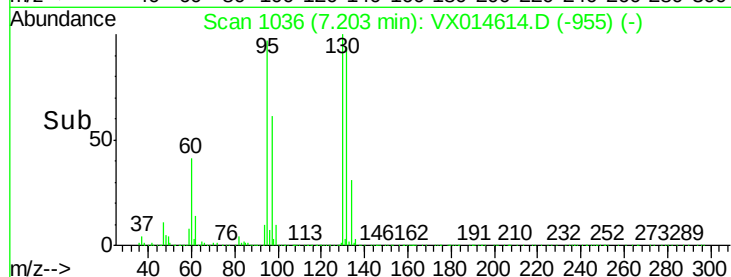
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 22.067 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

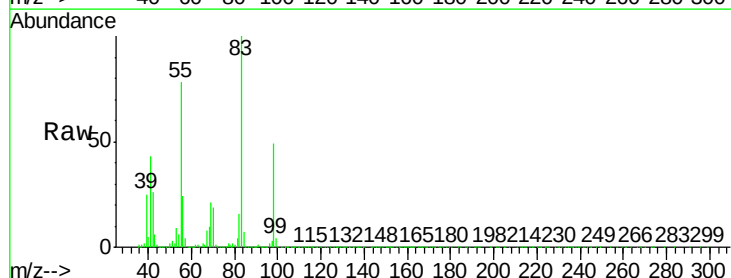
Tgt Ion: 83 Resp: 172680

Ion Ratio Lower Upper

83 100

55 78.4 39.4 118.1

98 50.2 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.45

100000

80000

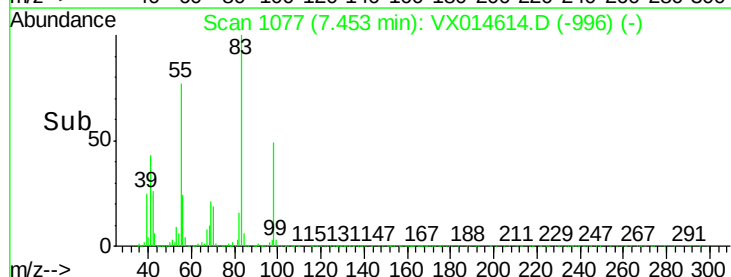
60000

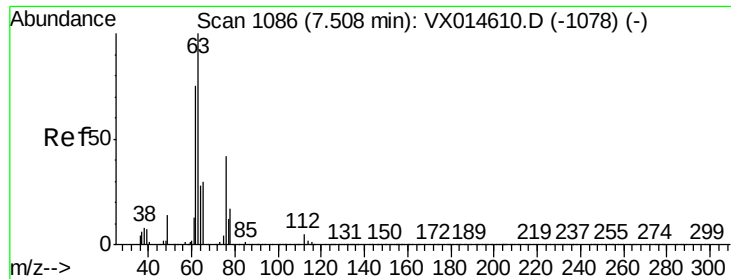
40000

20000

0

Time--> 7.35 7.40 7.45 7.50

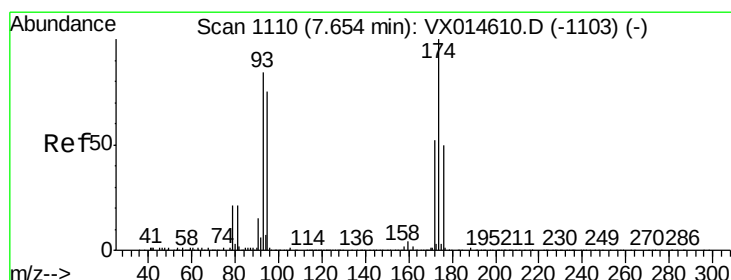
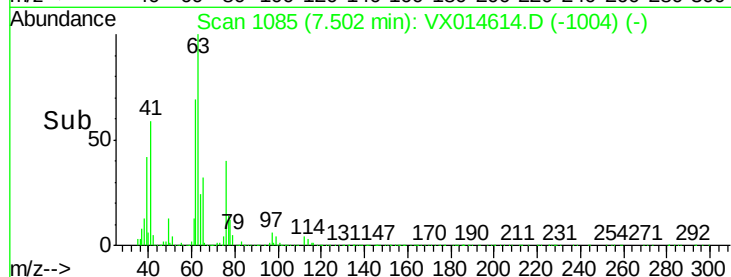
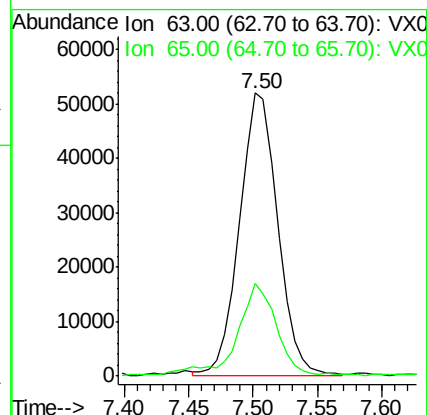
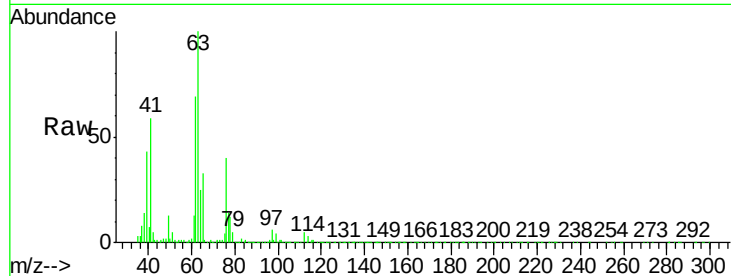




#39
 1,2-Dichloropropane
 Concen: 21.007 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

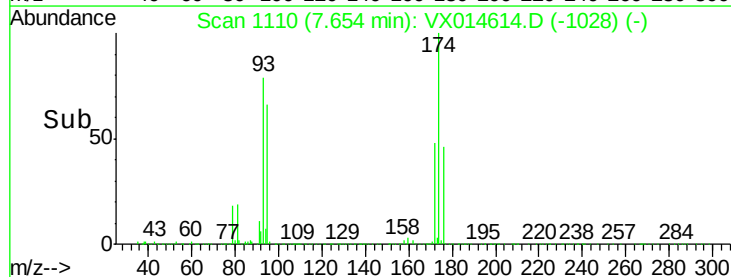
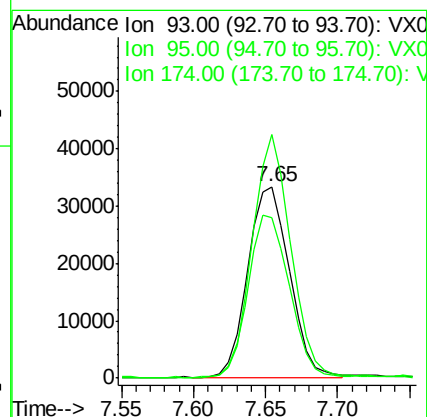
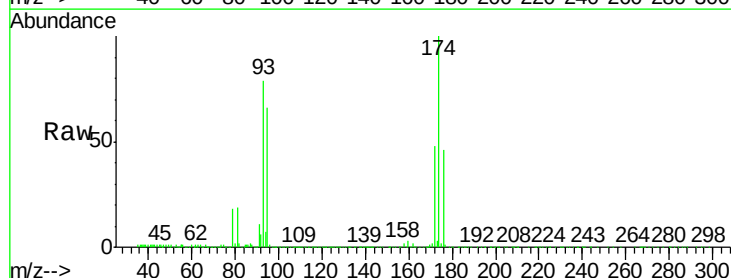
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

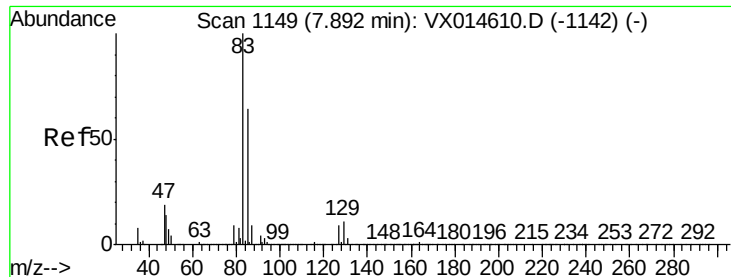
Tgt Ion: 63 Resp: 106090
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 33.1



#40
 Dibromomethane
 Concen: 20.593 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

Tgt Ion: 93 Resp: 66835
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 164.4
 174 118.1 0.0 228.8





#41

Bromodichloromethane

Concen: 20.184 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVX011520

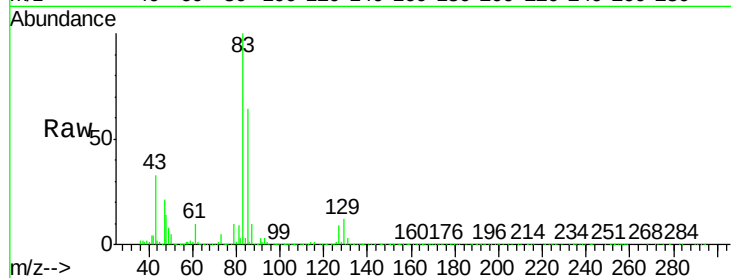
Tgt Ion: 83 Resp: 128288

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4

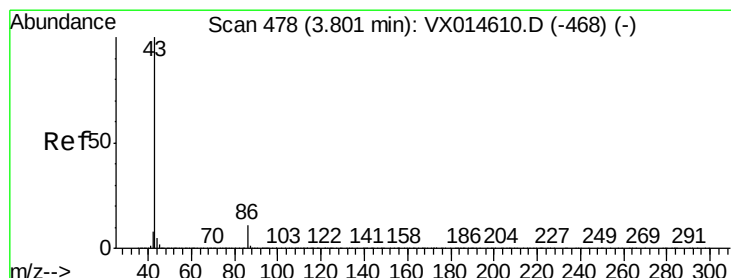
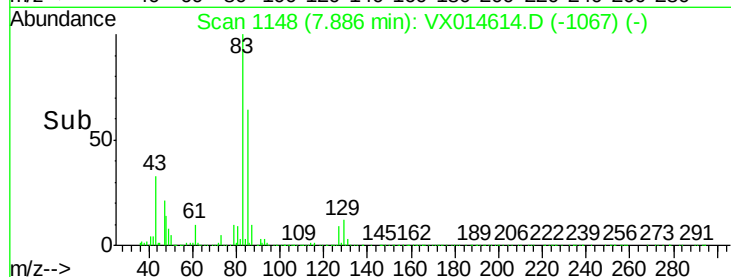
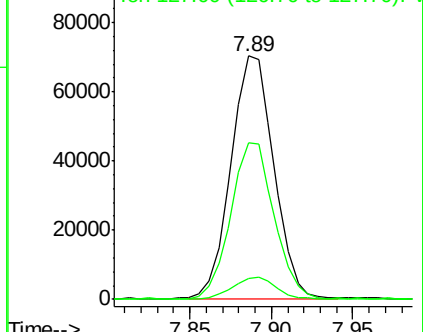
127 8.6 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 105.580 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014614.D

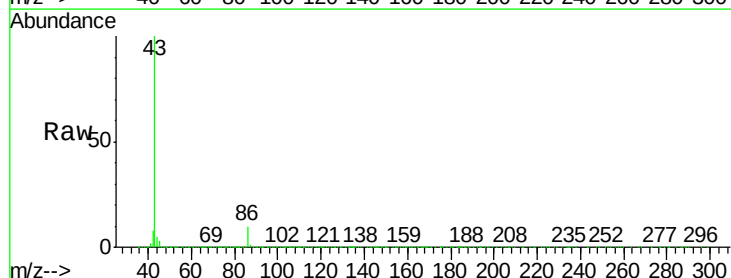
Acq: 15 Jan 2020 12:59

Tgt Ion: 43 Resp: 1295585

Ion Ratio Lower Upper

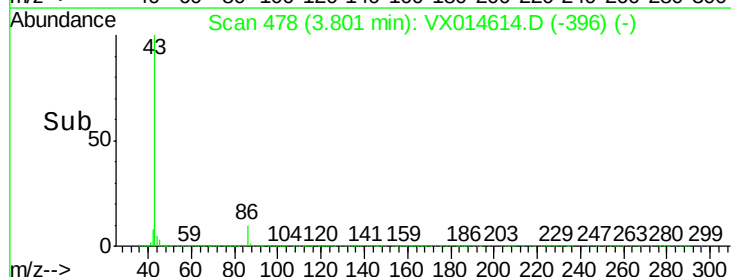
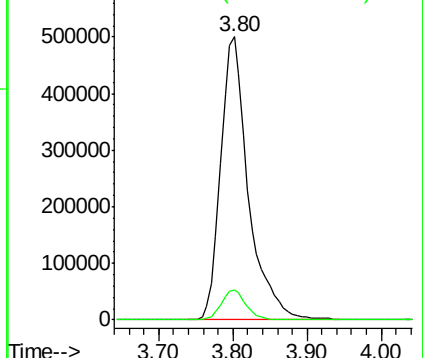
43 100

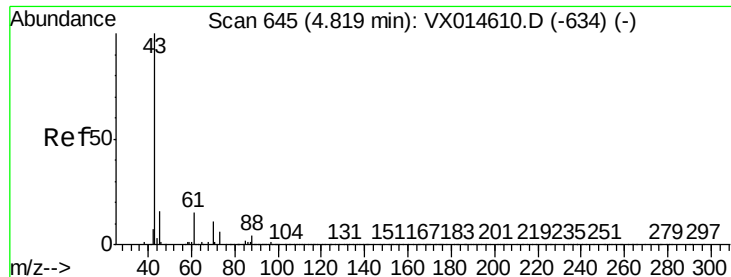
86 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

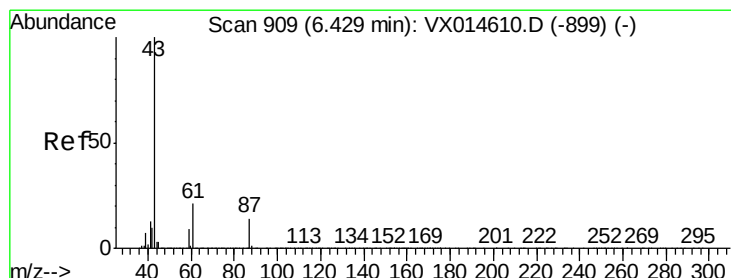
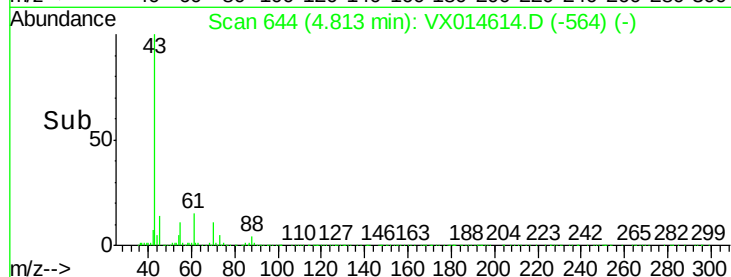
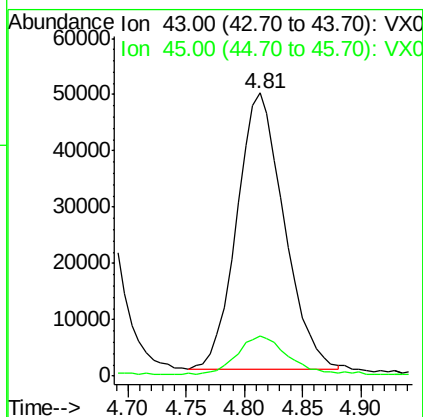
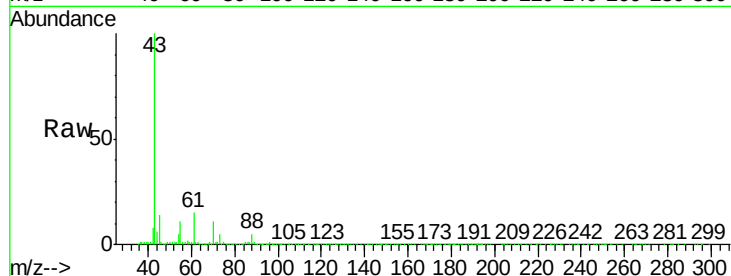




#43
Ethyl Acetate
Concen: 19.157 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

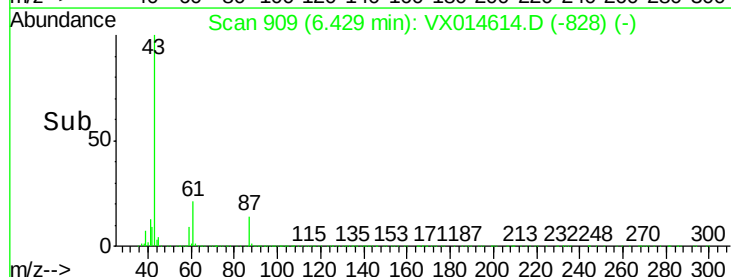
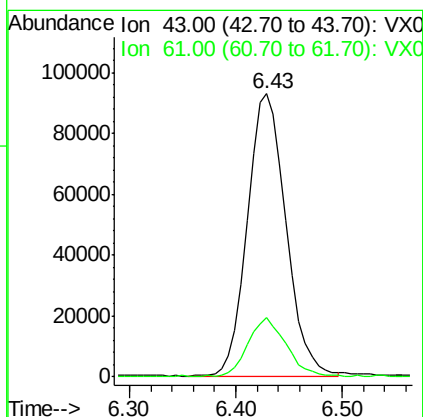
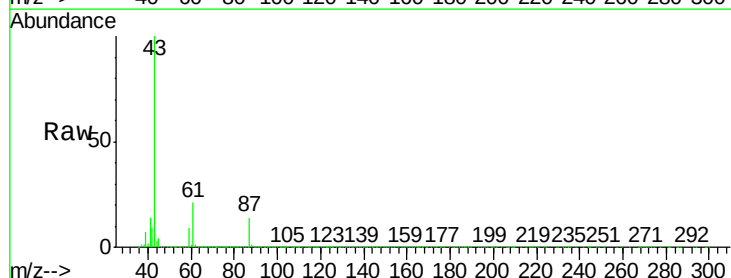
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

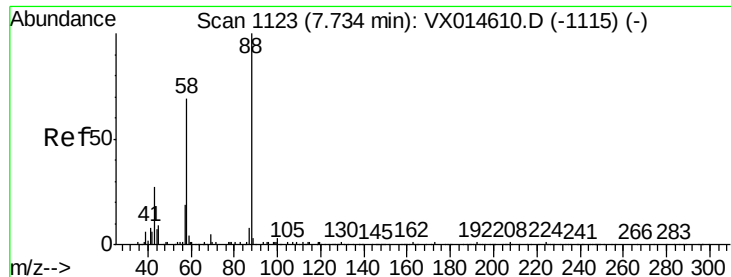
Tgt Ion: 43 Resp: 138066
Ion Ratio Lower Upper
43 100
45 14.4 11.8 17.8



#44
Isopropyl Acetate
Concen: 20.296 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion: 43 Resp: 235967
Ion Ratio Lower Upper
43 100
61 20.7 15.9 23.9





#45

1,4-Dioxane

Concen: 420.086 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

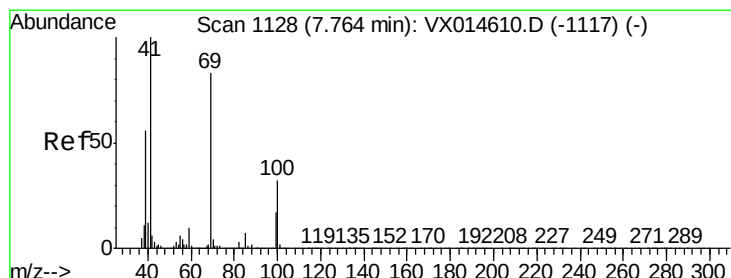
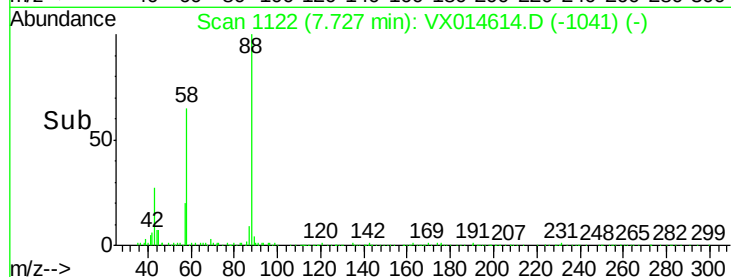
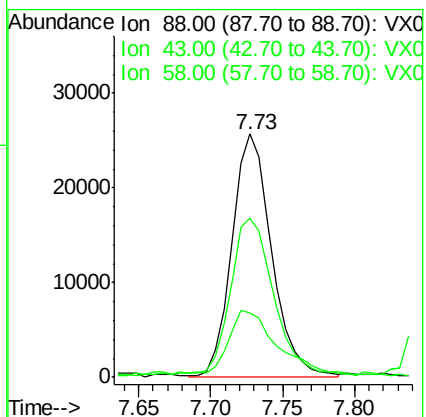
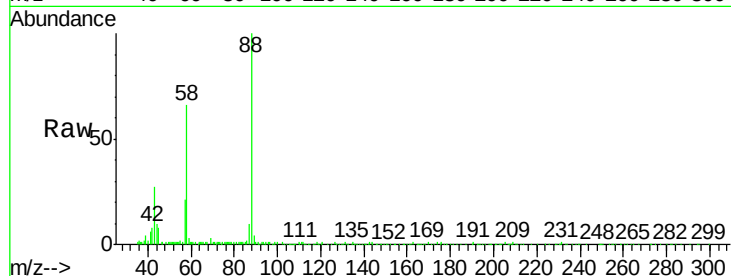
Tgt Ion: 88 Resp: 48856

Ion Ratio Lower Upper

88 100

43 32.1 25.4 38.2

58 69.9 56.5 84.7



#46

Methyl methacrylate

Concen: 20.426 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

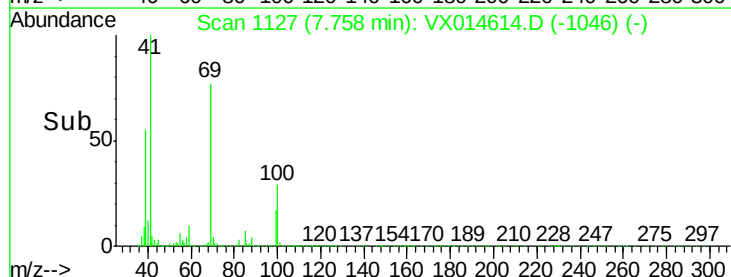
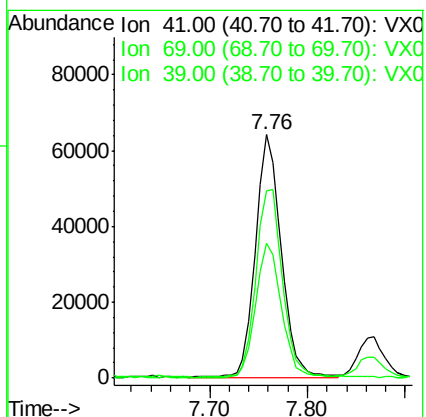
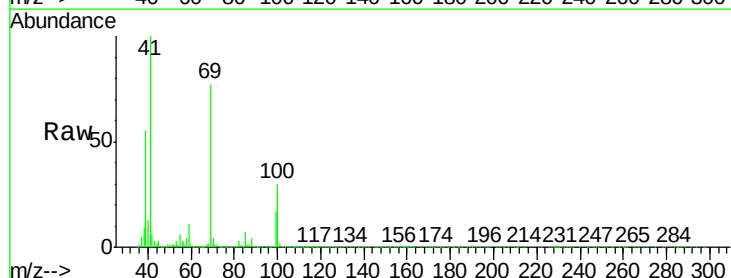
Tgt Ion: 41 Resp: 116786

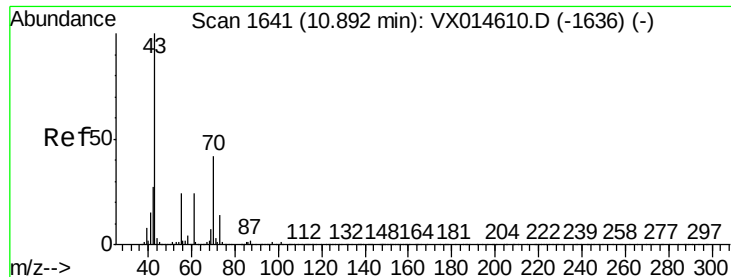
Ion Ratio Lower Upper

41 100

69 77.0 40.6 122.0

39 54.9 27.8 83.3





#47

n-amy1 Acetate

Concen: 20.205 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

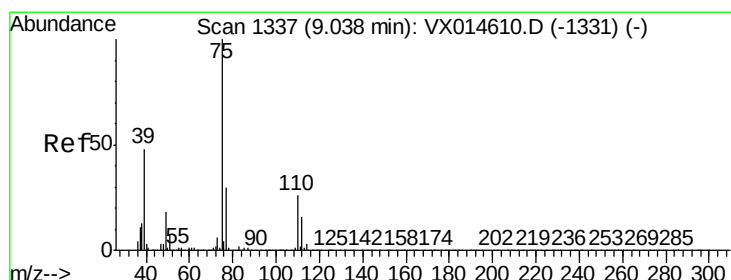
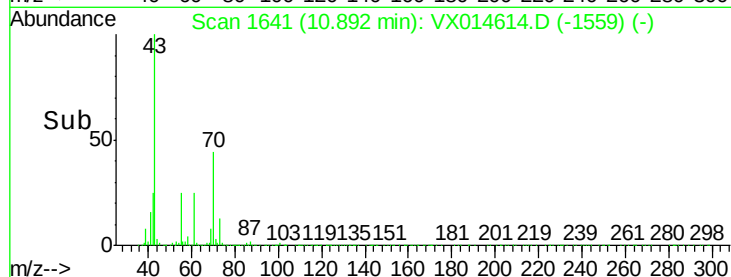
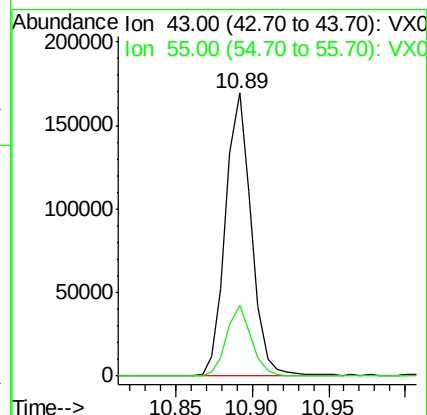
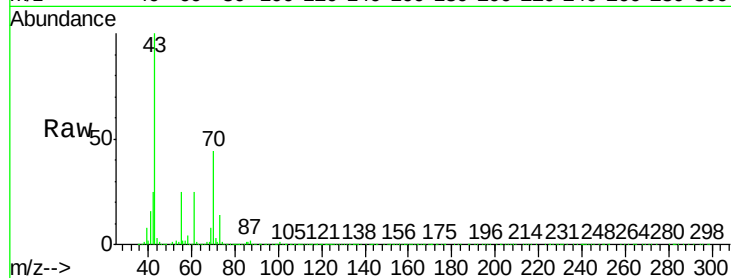
ICVVX011520

Tgt Ion: 43 Resp: 196829

Ion Ratio Lower Upper

43 100

55 23.9 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 21.164 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014614.D

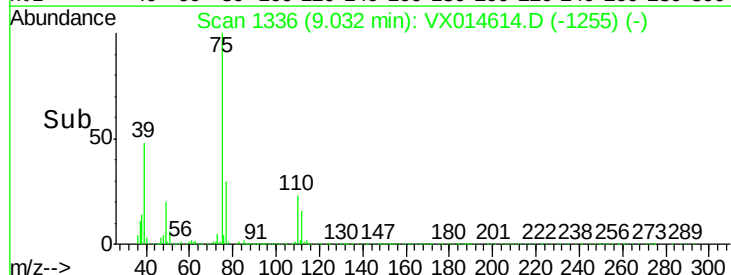
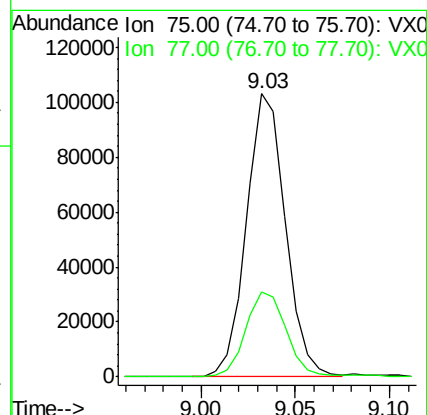
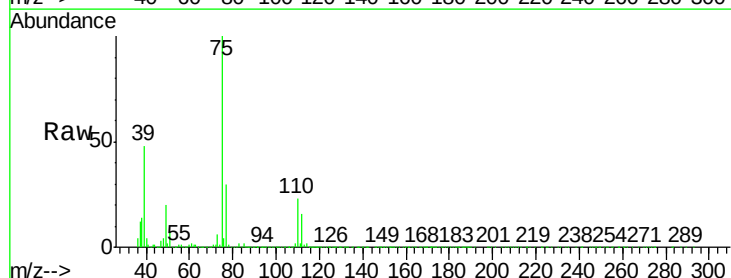
Acq: 15 Jan 2020 12:59

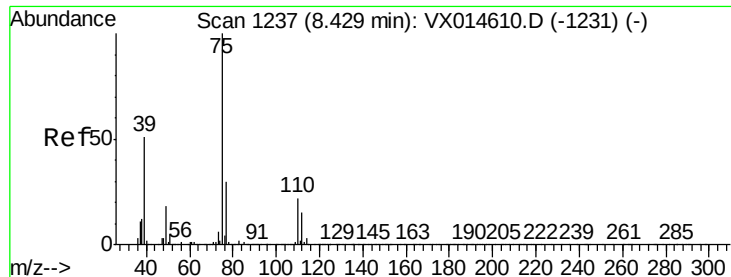
Tgt Ion: 75 Resp: 146856

Ion Ratio Lower Upper

75 100

77 29.9 26.0 39.0



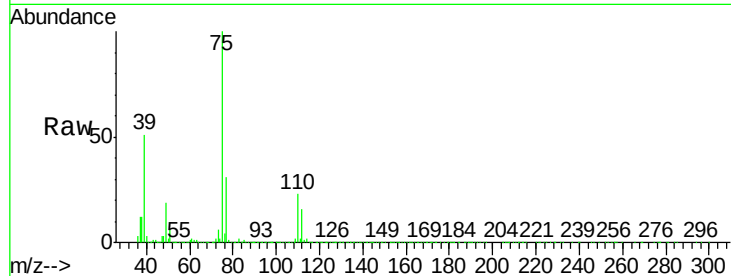


#49

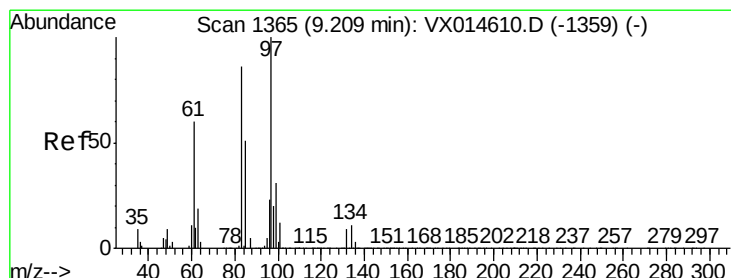
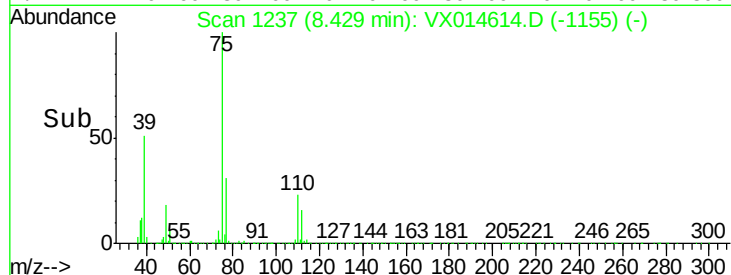
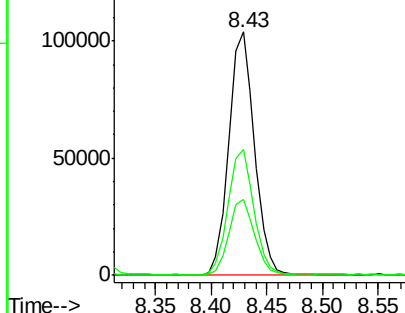
cis-1,3-Dichloropropene
Concen: 21.278 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Instrument :
MSVOA_X
ClientSampled :
ICVVX011520

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	51.5	41.1	61.7



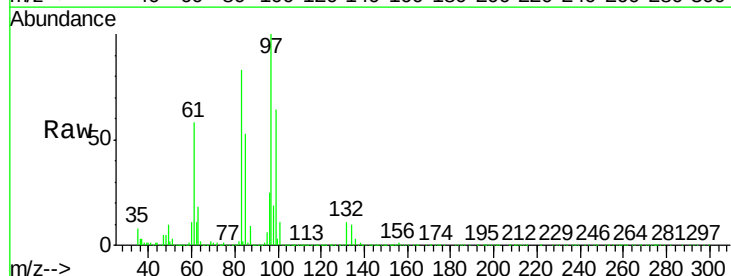
Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



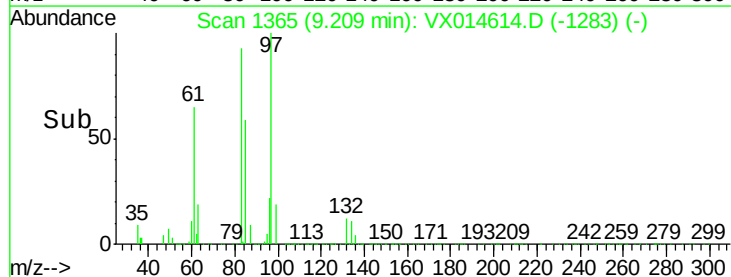
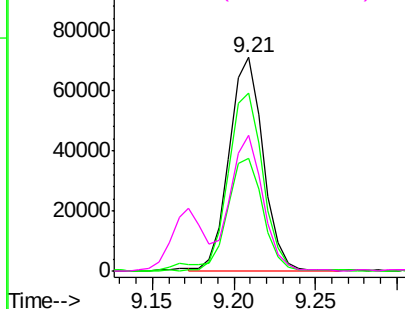
#50

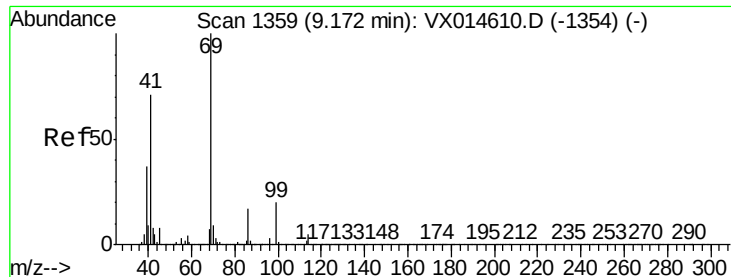
1,1,2-Trichloroethane
Concen: 20.868 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.1	102.1
85	52.5	42.7	64.1
99	63.7	50.3	75.5



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 82.95 (82.65 to 83.65): VX0
Ion 84.95 (84.65 to 85.65): VX0
Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 20.662 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

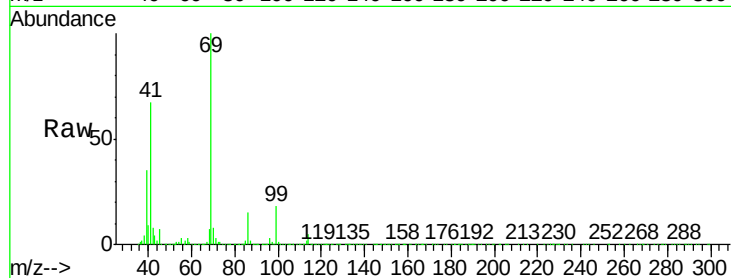
Tgt Ion: 69 Resp: 158887

Ion Ratio Lower Upper

69 100

41 66.5 35.4 106.1

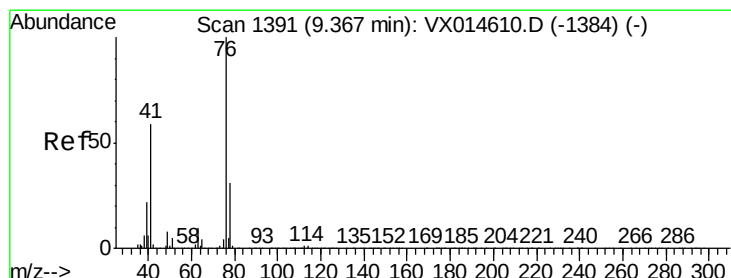
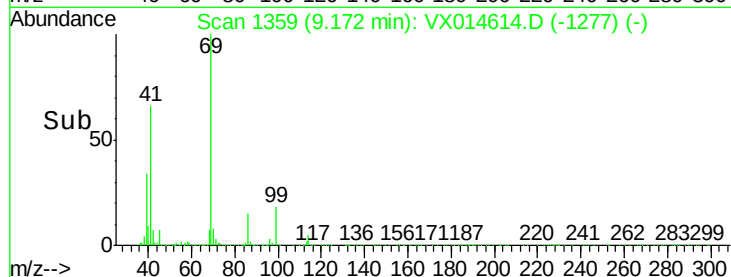
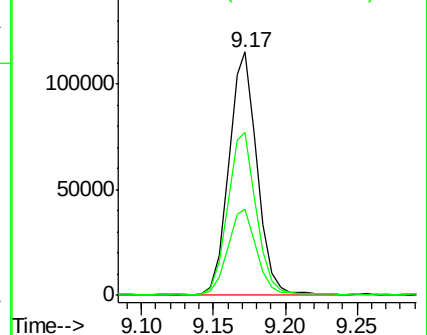
39 34.9 17.8 53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 20.546 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014614.D

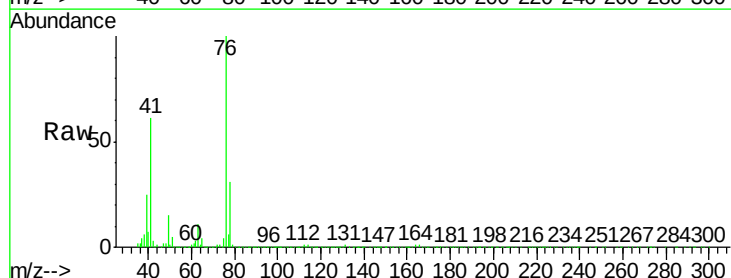
Acq: 15 Jan 2020 12:59

Tgt Ion: 76 Resp: 171920

Ion Ratio Lower Upper

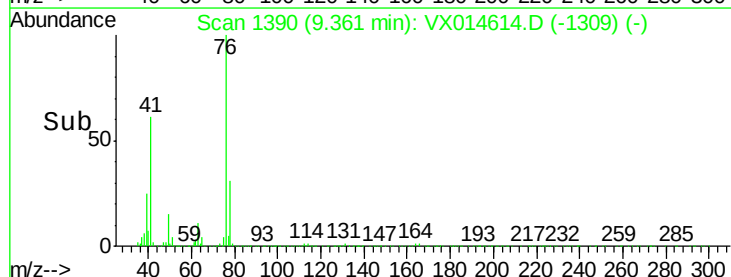
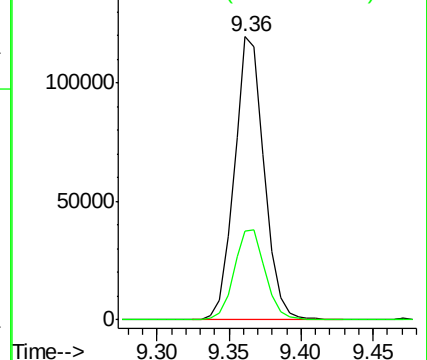
76 100

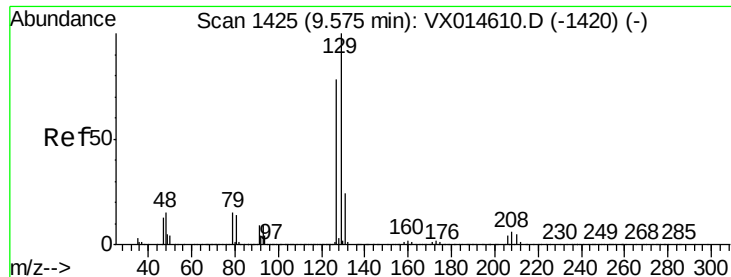
78 33.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 21.217 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

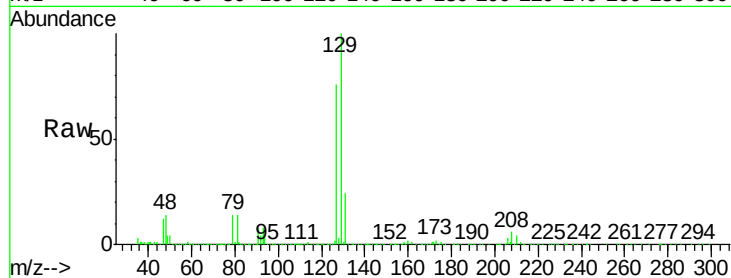
ICVVX011520

Tgt Ion:129 Resp: 107179

Ion Ratio Lower Upper

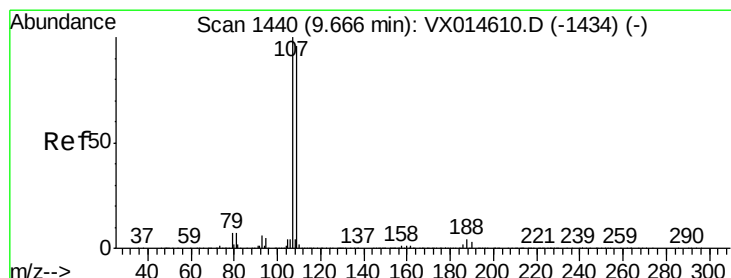
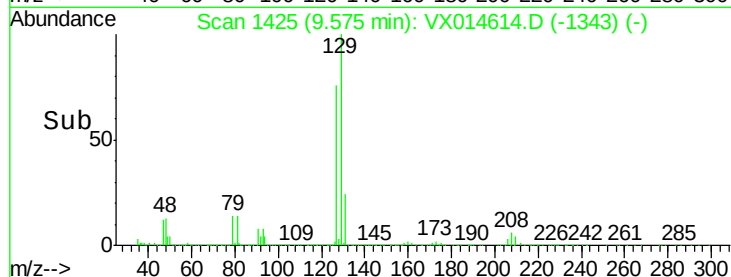
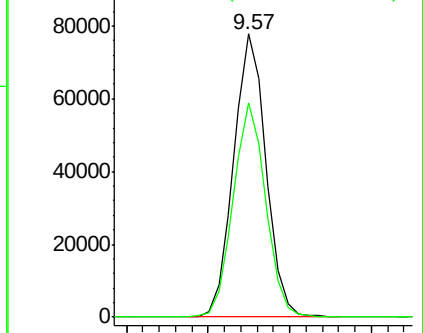
129 100

127 75.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.970 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014614.D

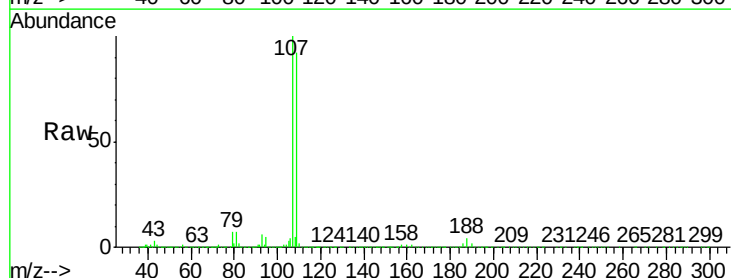
Acq: 15 Jan 2020 12:59

Tgt Ion:107 Resp: 107407

Ion Ratio Lower Upper

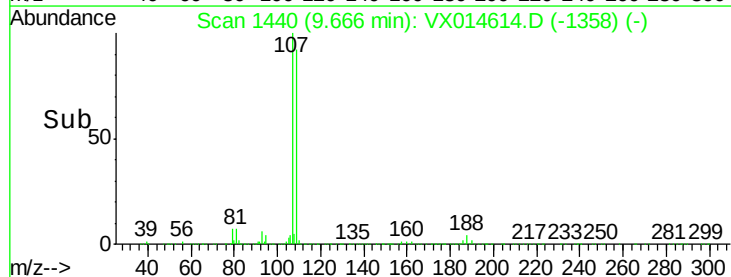
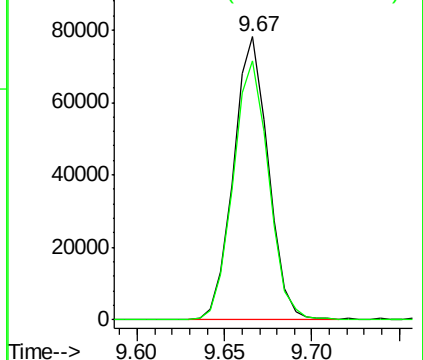
107 100

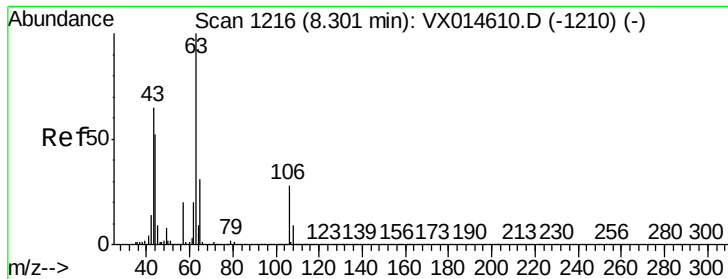
109 93.4 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

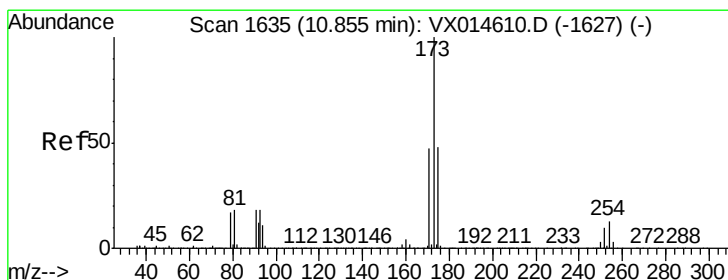
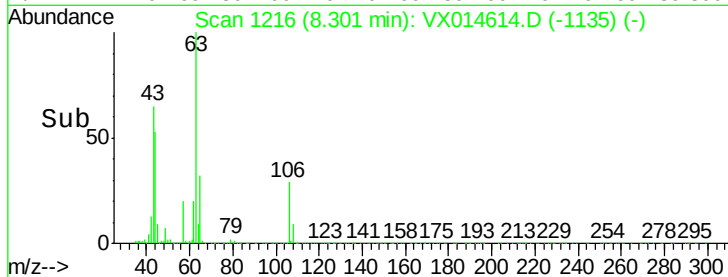
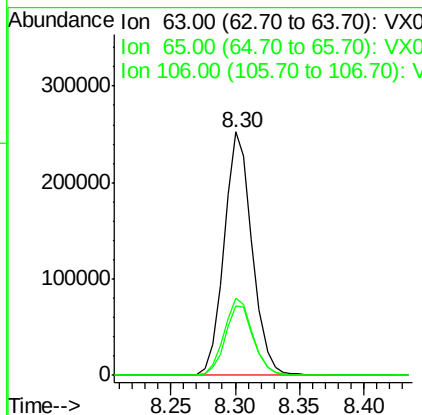
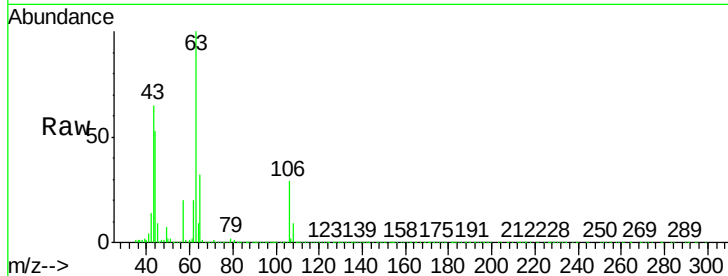




#55
 2-Chloroethyl vinyl ether
 Concen: 108.185 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

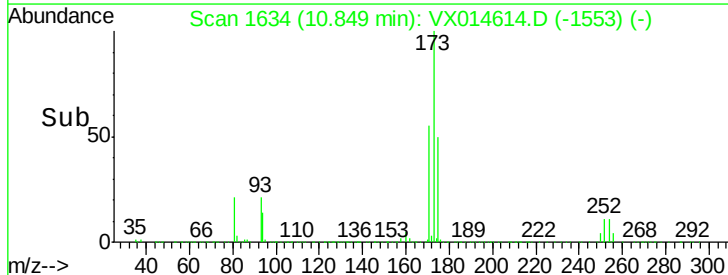
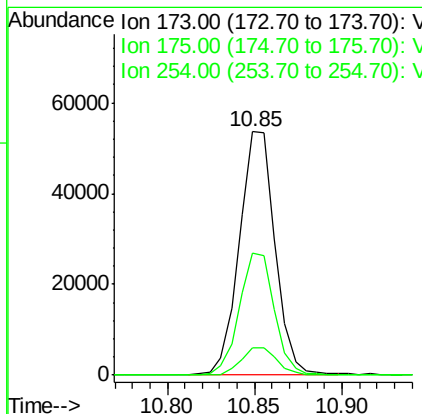
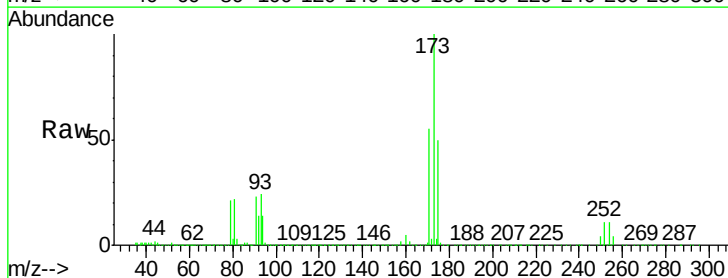
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

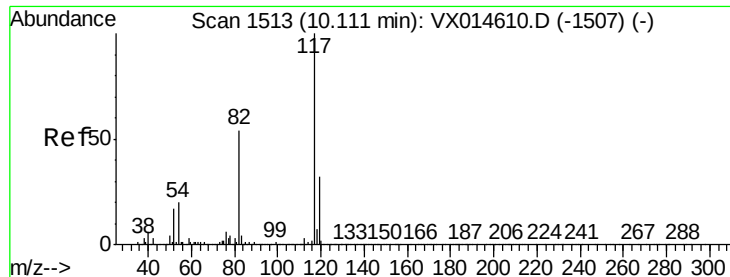
Tgt Ion:	63	Resp:	382329
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	29.2	22.9	34.3



#56
 Bromoform
 Concen: 19.464 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

Tgt Ion:	173	Resp:	75734
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.5	59.3
254	11.4	8.2	12.4

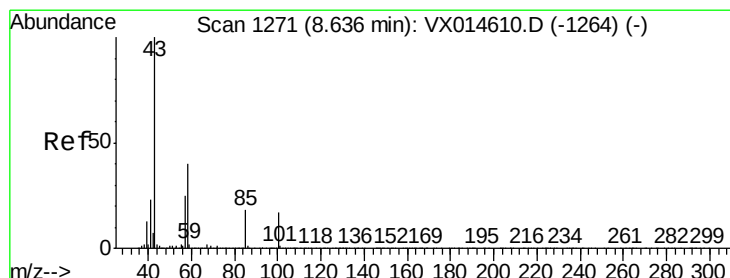
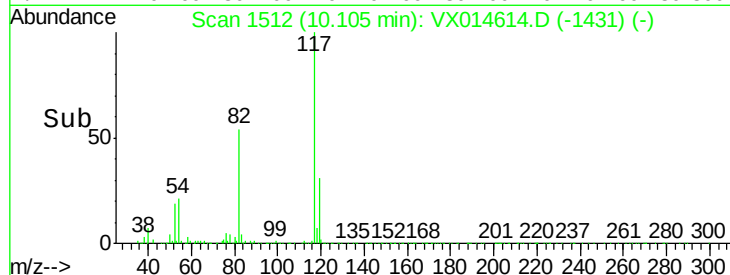
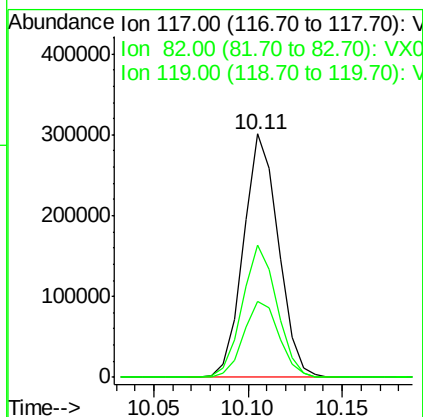
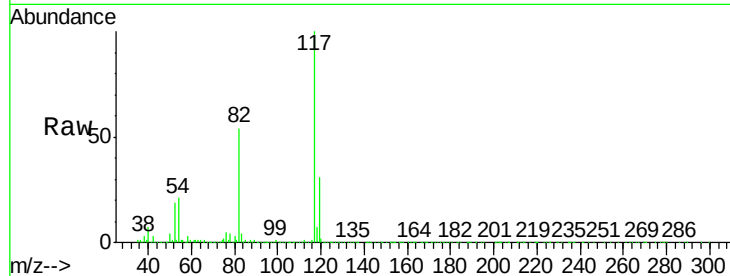




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

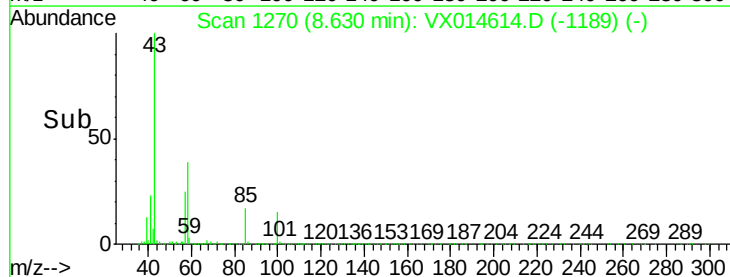
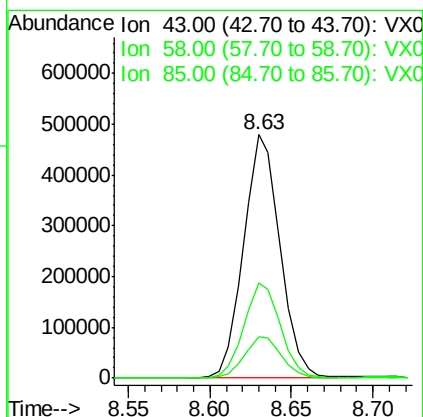
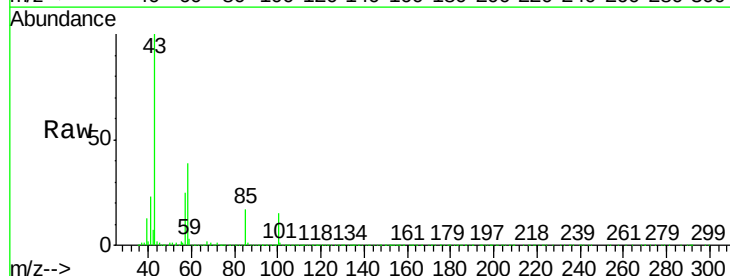
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

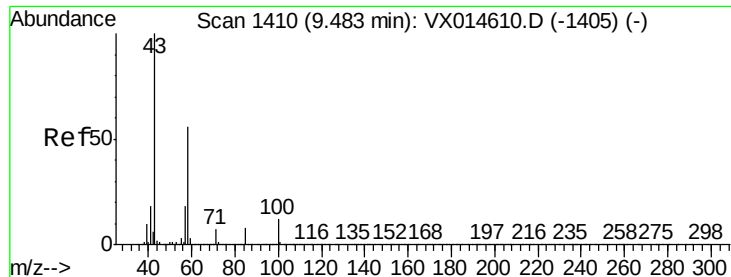
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.6
119	31.9	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 102.160 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.2	46.8
85	17.5	14.2	21.2

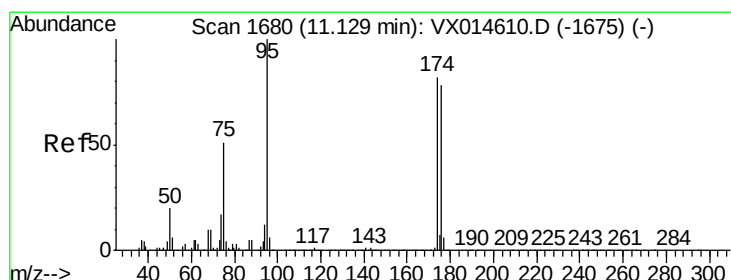
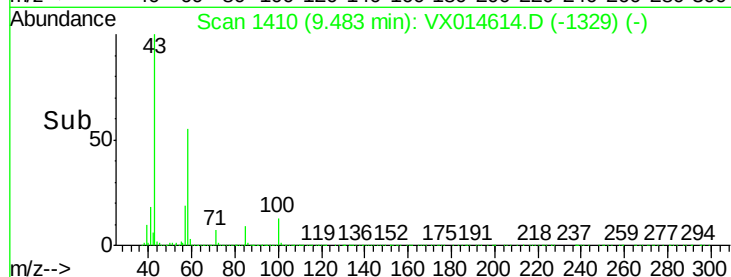
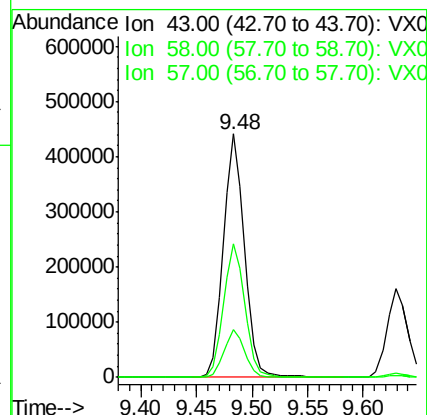
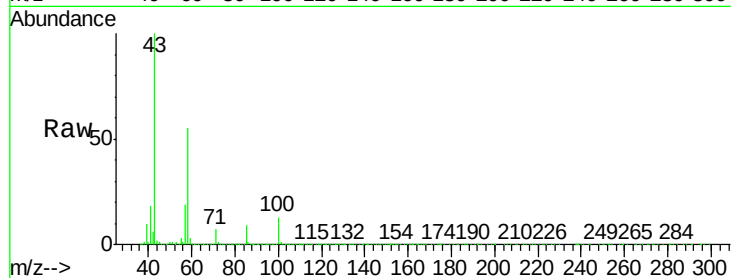




#59
2-Hexanone
Concen: 102.225 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

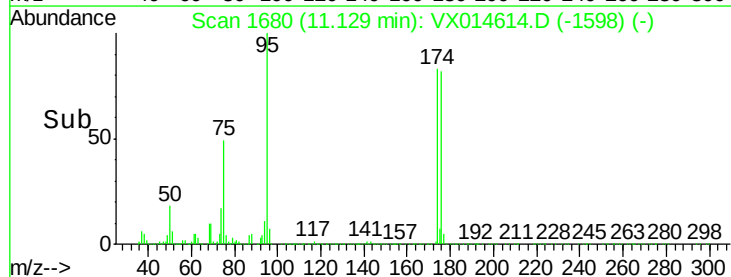
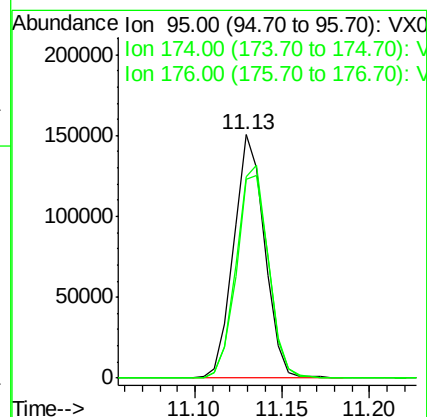
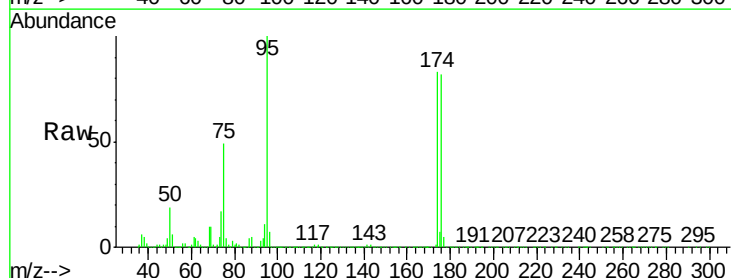
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

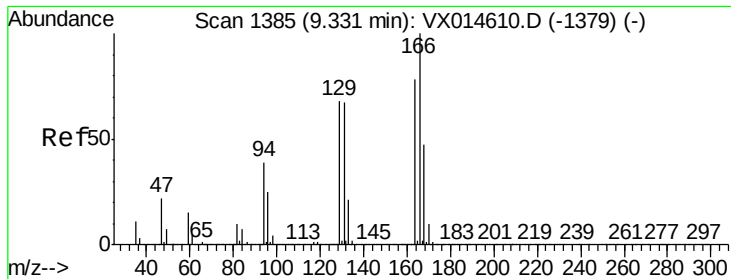
Tgt Ion: 43 Resp: 575489
Ion Ratio Lower Upper
43 100
58 55.5 43.8 65.6
57 19.1 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.864 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion: 95 Resp: 184722
Ion Ratio Lower Upper
95 100
174 90.6 70.2 105.2
176 87.3 68.3 102.5





#61

Tetrachloroethene

Concen: 20.675 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

Tgt Ion:164 Resp: 118123

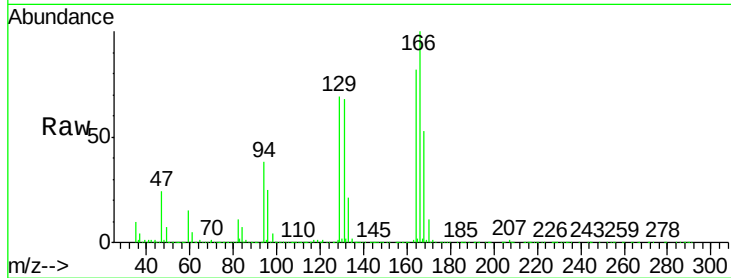
Ion Ratio Lower Upper

164 100

166 122.3 104.2 156.2

129 84.0 71.6 107.4

131 82.9 71.7 107.5

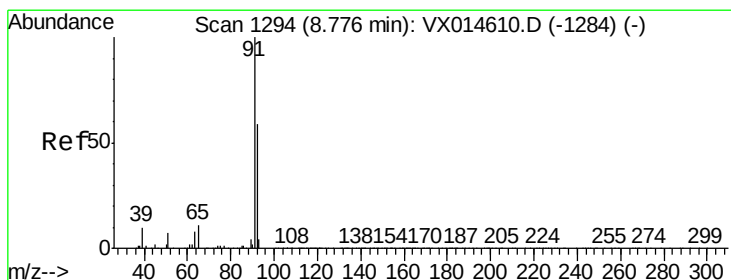
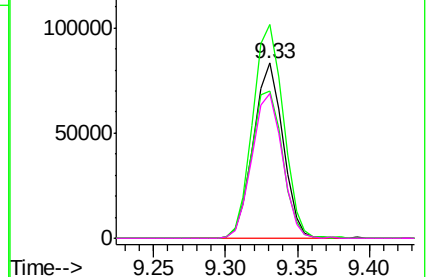
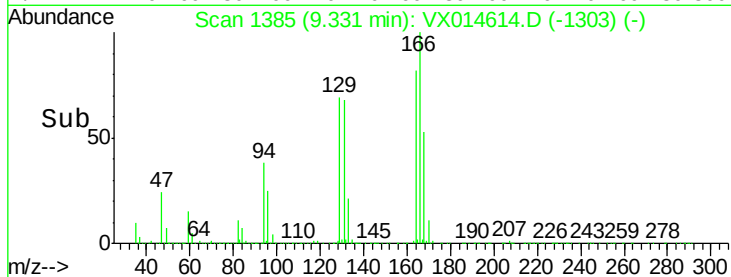


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.426 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014614.D

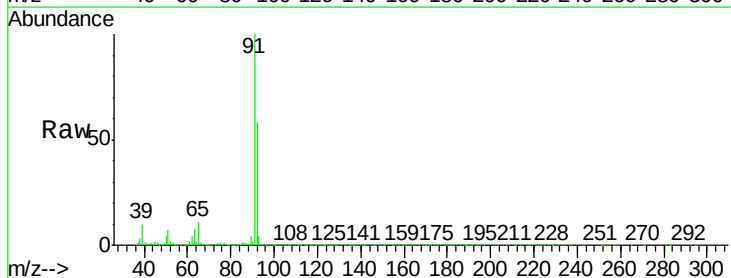
Acq: 15 Jan 2020 12:59

Tgt Ion: 91 Resp: 439411

Ion Ratio Lower Upper

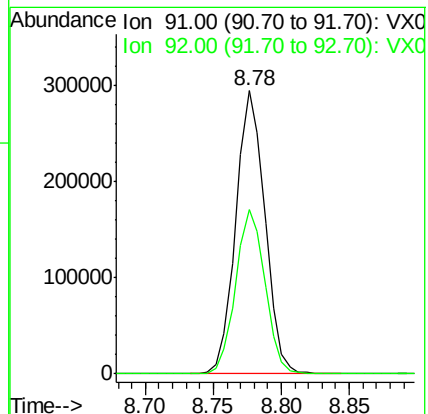
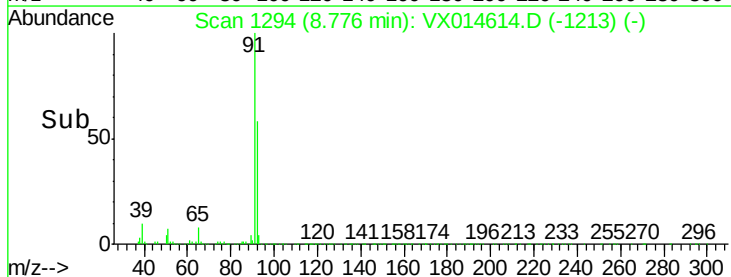
91 100

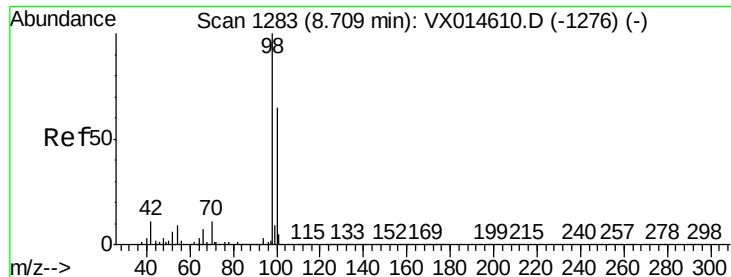
92 58.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.316 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

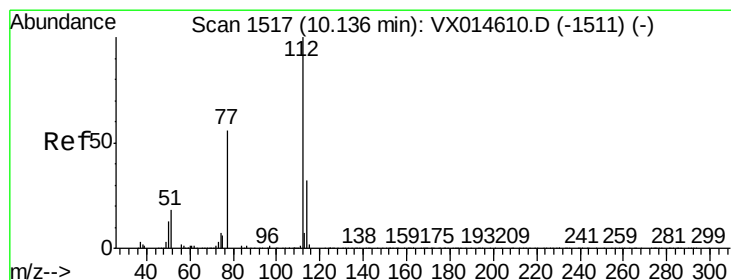
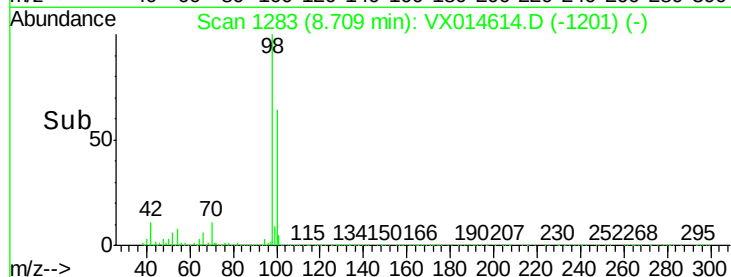
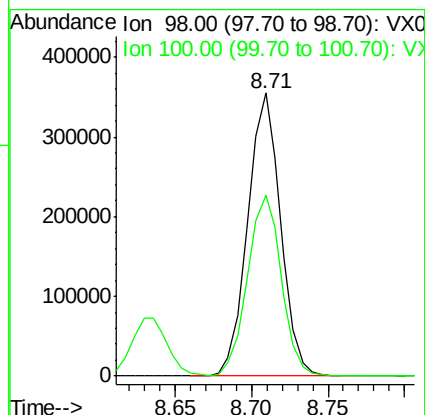
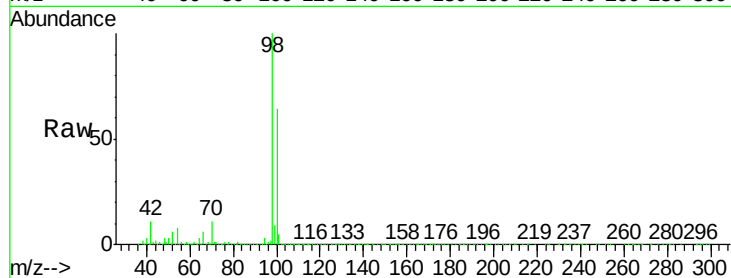
ICVVX011520

Tgt Ion: 98 Resp: 529314

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#64

Chlorobenzene

Concen: 21.676 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014614.D

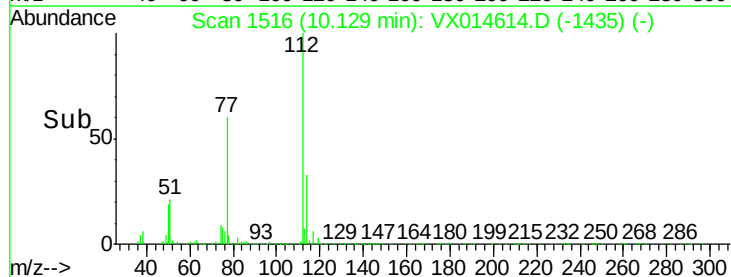
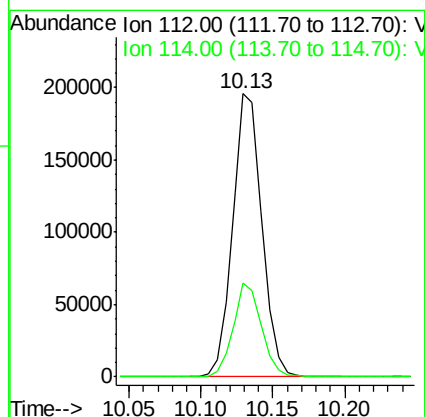
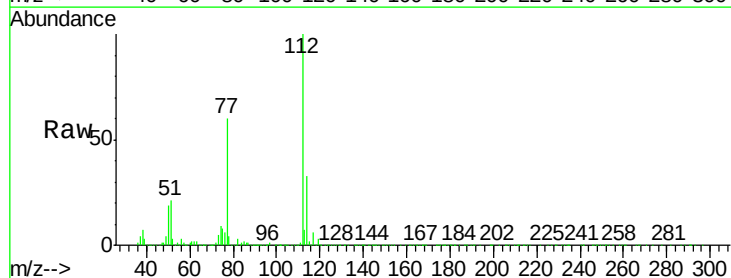
Acq: 15 Jan 2020 12:59

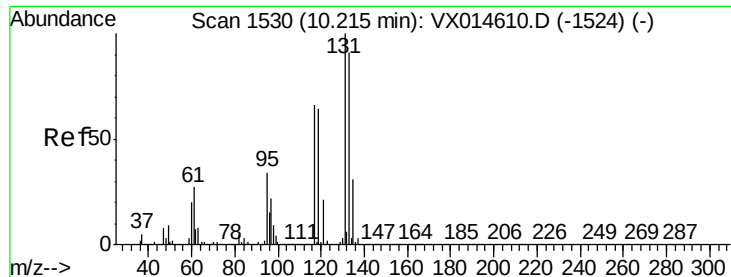
Tgt Ion: 112 Resp: 277501

Ion Ratio Lower Upper

112 100

114 33.0 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.714 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

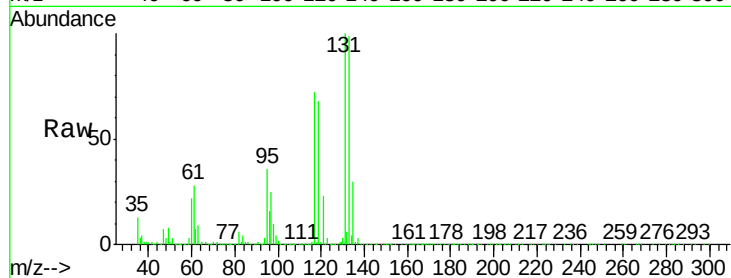
Tgt Ion:131 Resp: 97942

Ion Ratio Lower Upper

131 100

133 95.9 0.0 189.8

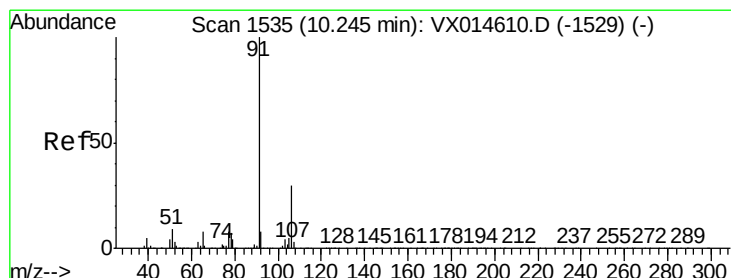
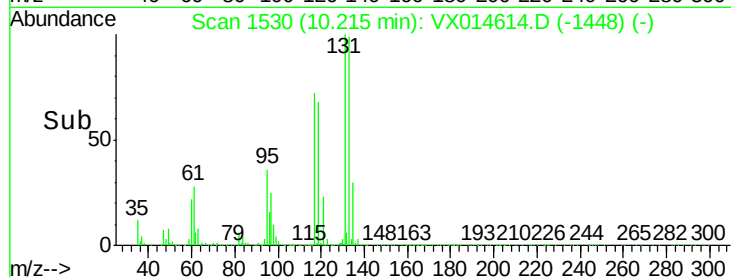
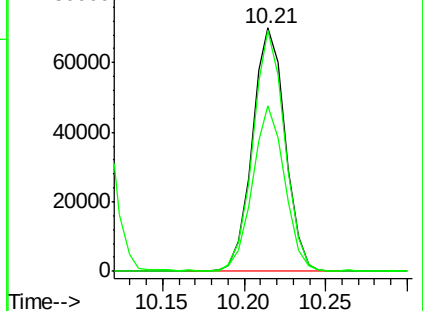
119 66.3 0.0 132.2



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: 21.667 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014614.D

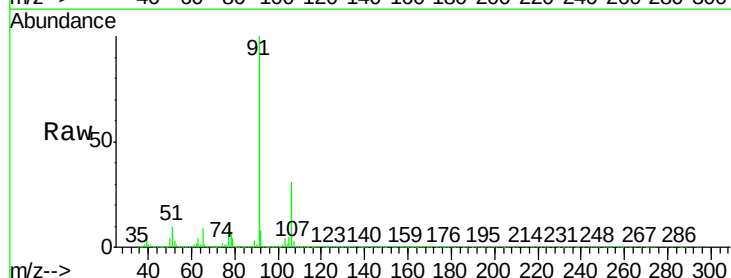
Acq: 15 Jan 2020 12:59

Tgt Ion: 91 Resp: 483989

Ion Ratio Lower Upper

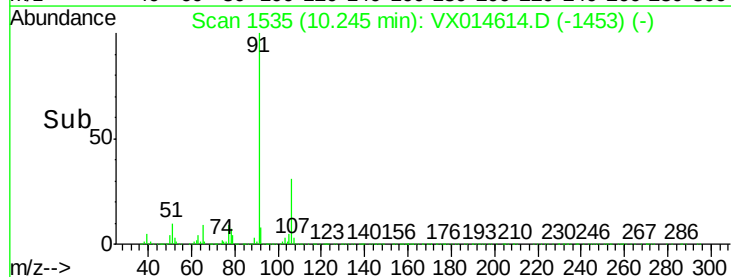
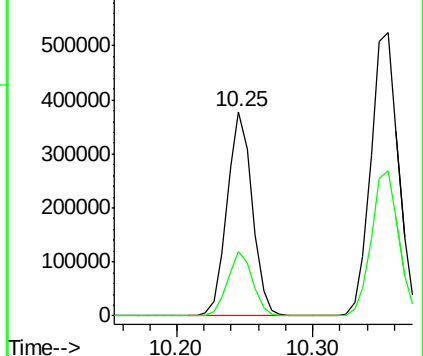
91 100

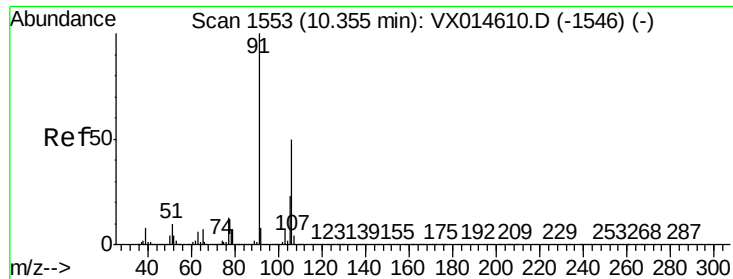
106 31.4 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

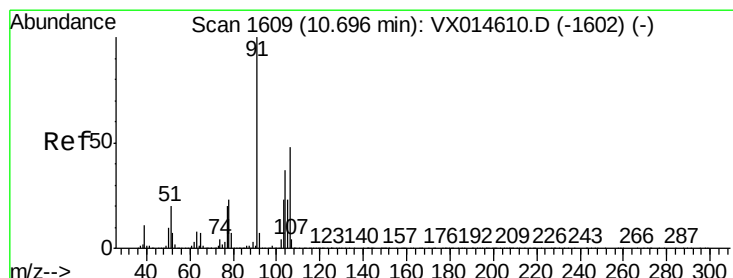
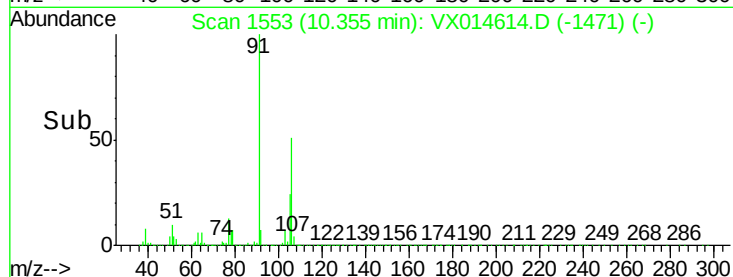
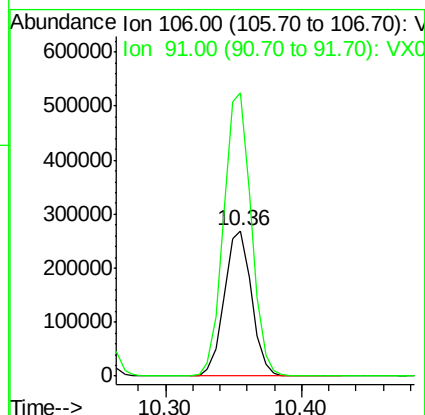
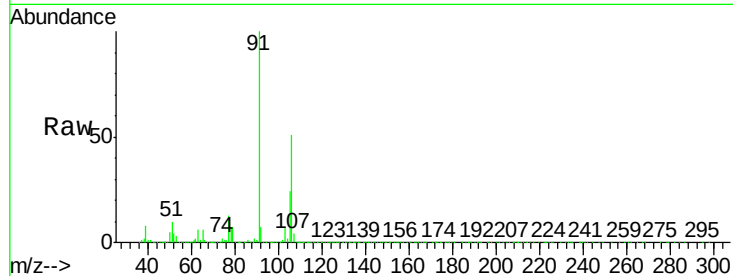




#67
m/p-Xylenes
Concen: 43.599 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

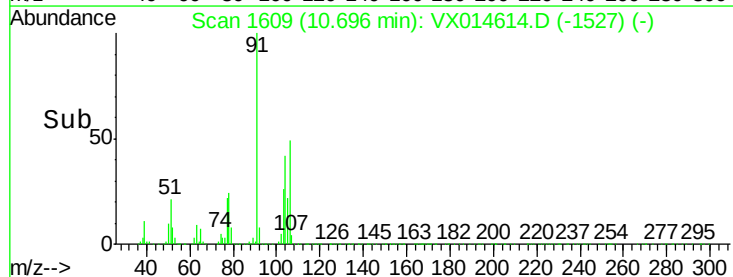
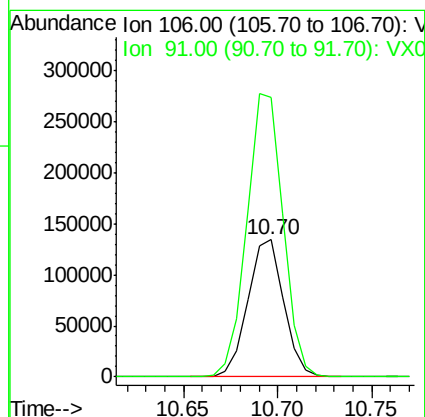
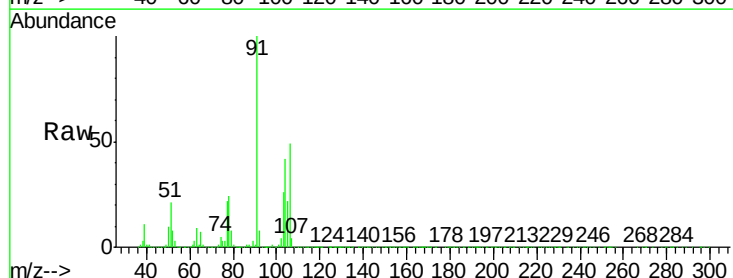
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

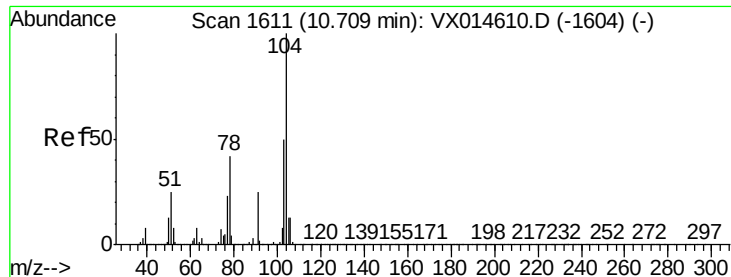
Tgt Ion:106 Resp: 373041
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9



#68
o-Xylene
Concen: 21.196 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion:106 Resp: 176598
Ion Ratio Lower Upper
106 100
91 209.0 104.8 314.6

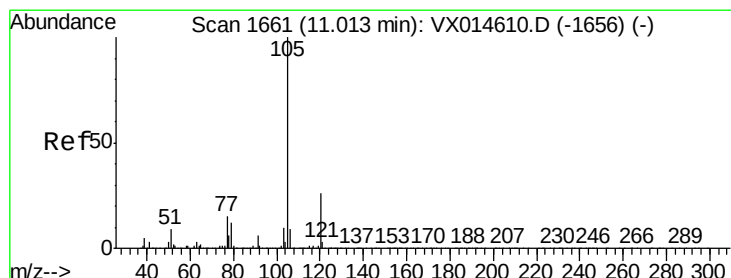
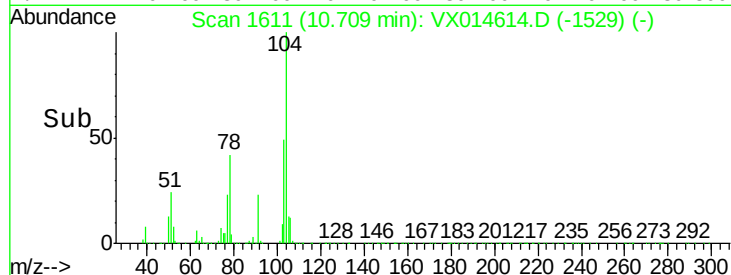
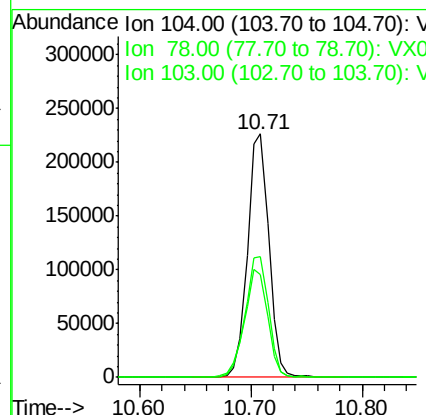
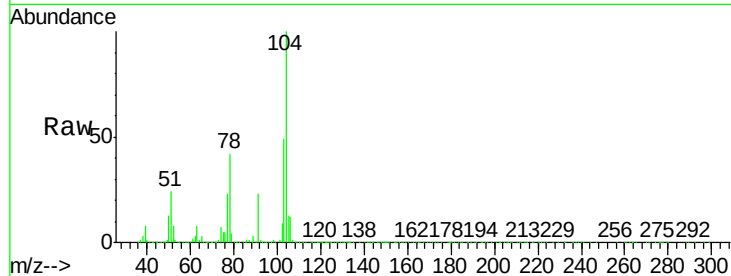




#69
Styrene
 Concen: 21.354 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

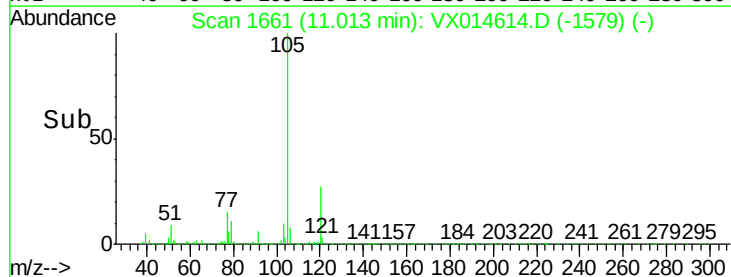
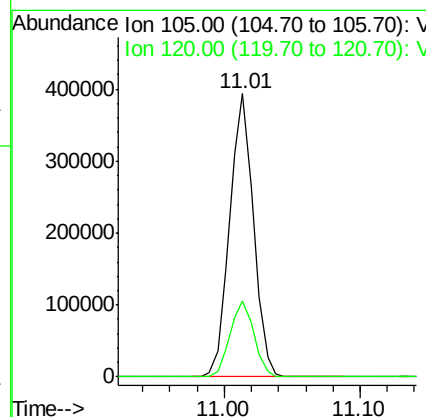
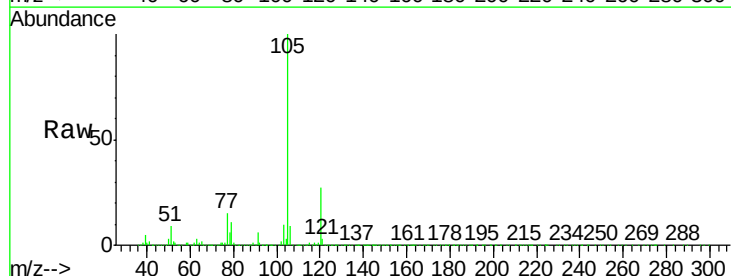
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

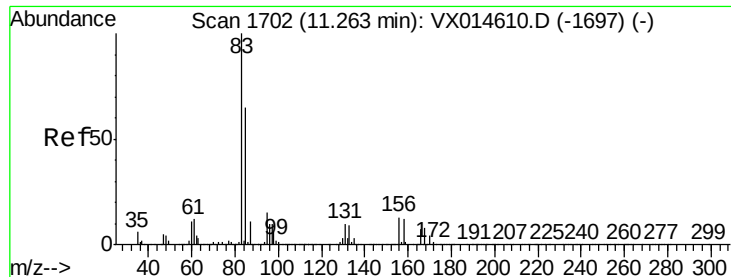
Tgt Ion:104 Resp: 301449
 Ion Ratio Lower Upper
 104 100
 78 47.8 38.9 58.3
 103 54.1 44.2 66.2



#70
Isopropylbenzene
 Concen: 21.901 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

Tgt Ion:105 Resp: 478036
 Ion Ratio Lower Upper
 105 100
 120 27.0 19.1 35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 20.488 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampled :

ICVVX011520

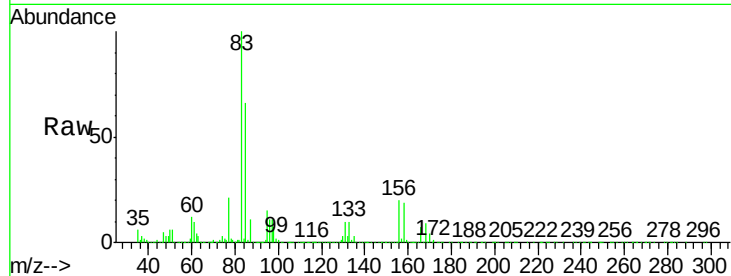
Tgt Ion: 83 Resp: 150640

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

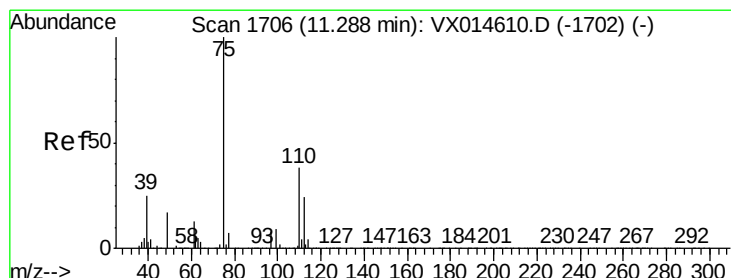
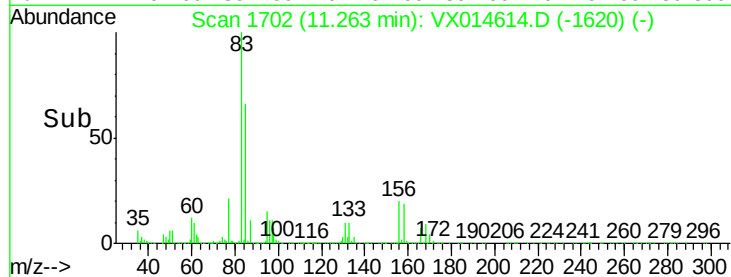
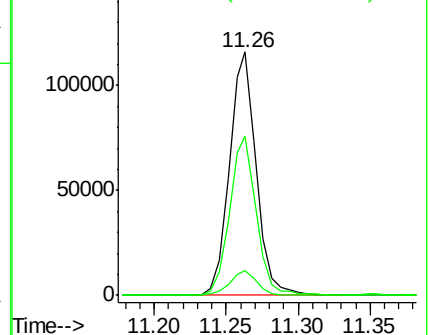
85 65.6 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 27.159 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014614.D

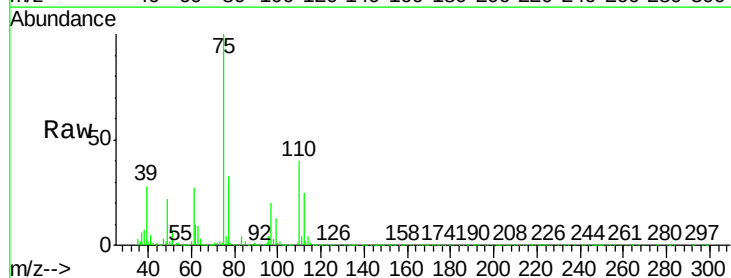
Acq: 15 Jan 2020 12:59

Tgt Ion: 75 Resp: 170809

Ion Ratio Lower Upper

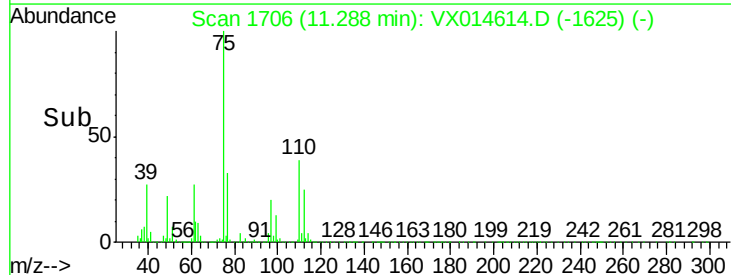
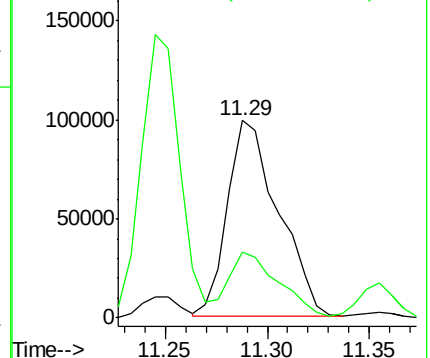
75 100

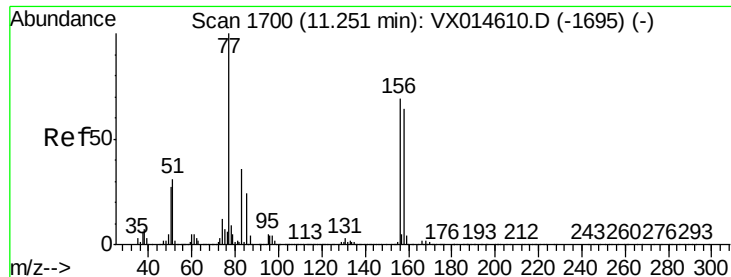
77 32.1 0.0 68.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 21.388 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

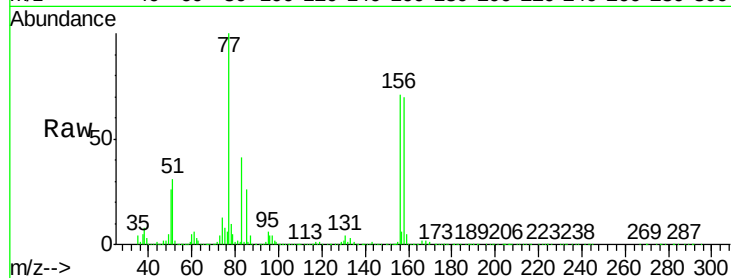
Tgt Ion: 156 Resp: 123755

Ion Ratio Lower Upper

156 100

77 150.4 0.0 304.6

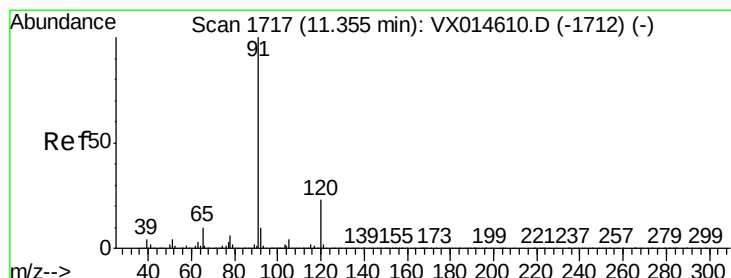
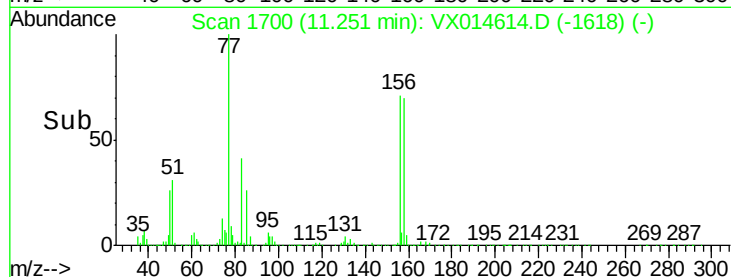
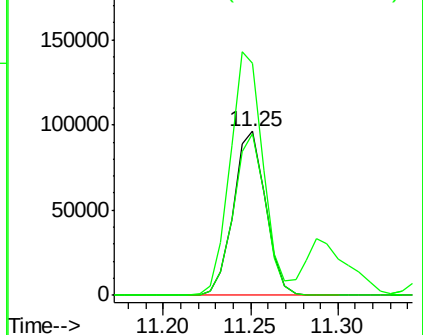
158 97.7 0.0 195.2



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: 22.044 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014614.D

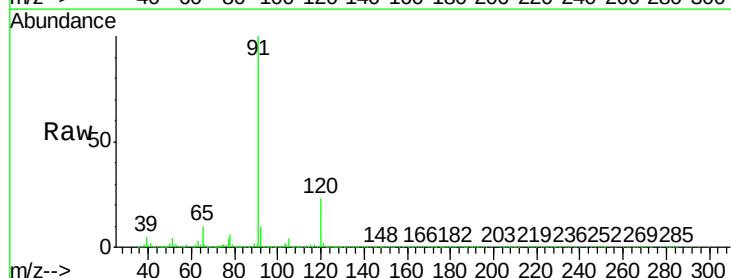
Acq: 15 Jan 2020 12:59

Tgt Ion: 91 Resp: 549833

Ion Ratio Lower Upper

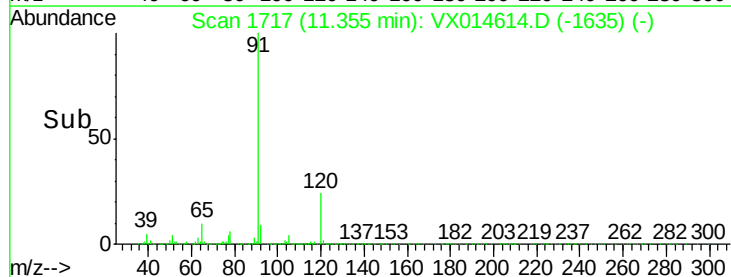
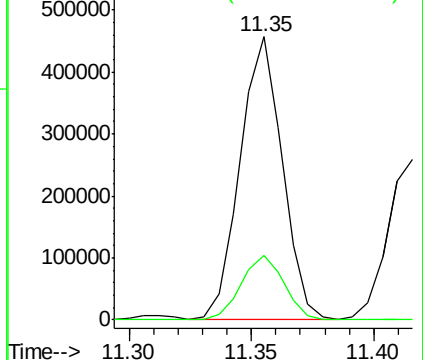
91 100

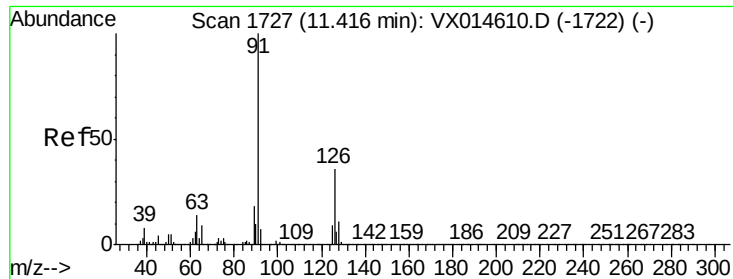
120 23.0 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.489 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampled :

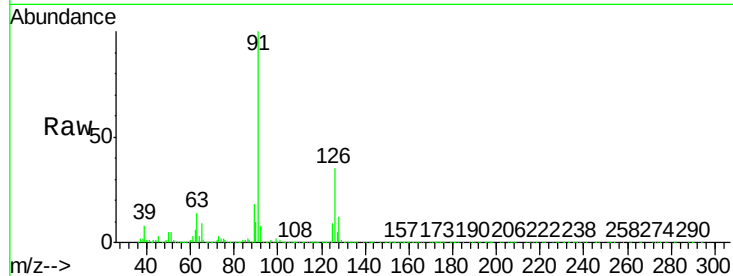
ICVVX011520

Tgt Ion: 91 Resp: 321225

Ion Ratio Lower Upper

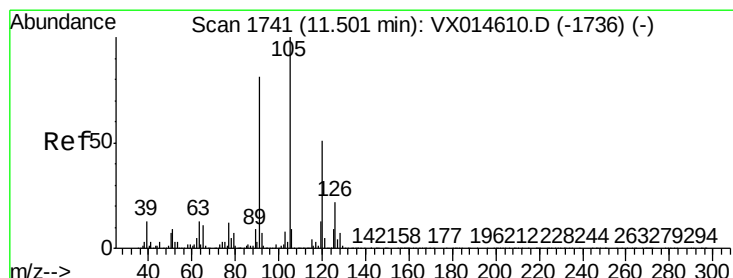
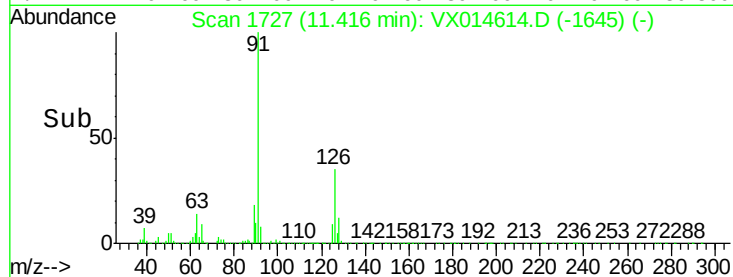
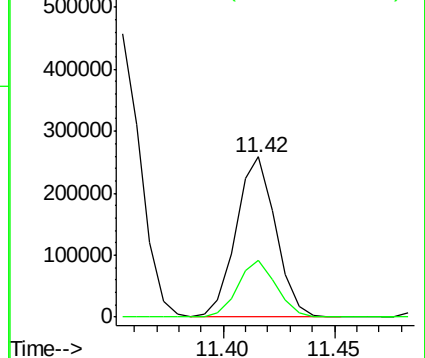
91 100

126 34.7 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 21.631 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014614.D

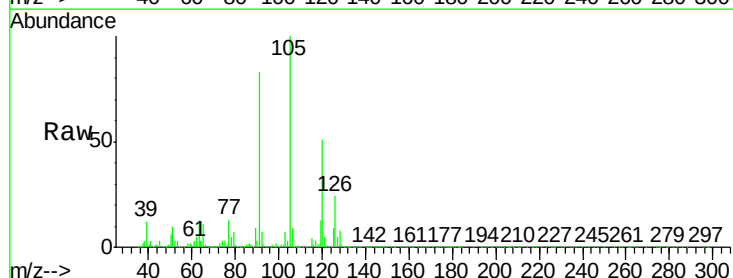
Acq: 15 Jan 2020 12:59

Tgt Ion: 105 Resp: 393421

Ion Ratio Lower Upper

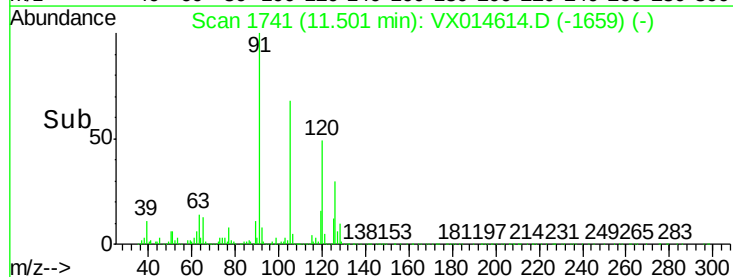
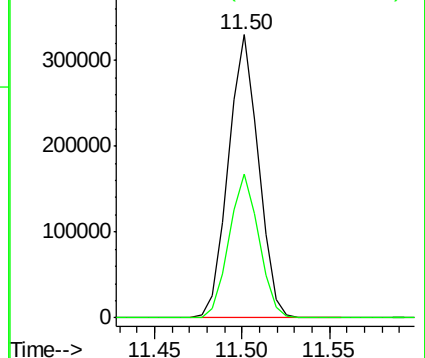
105 100

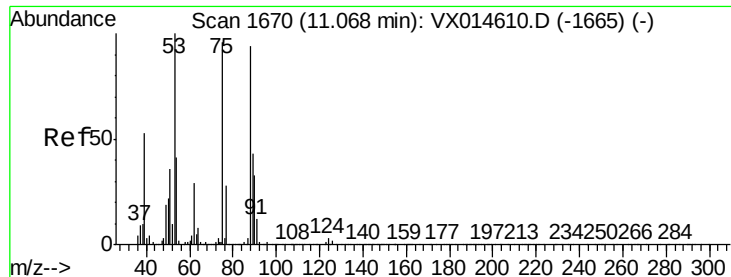
120 50.4 0.0 100.6



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: 19.862 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

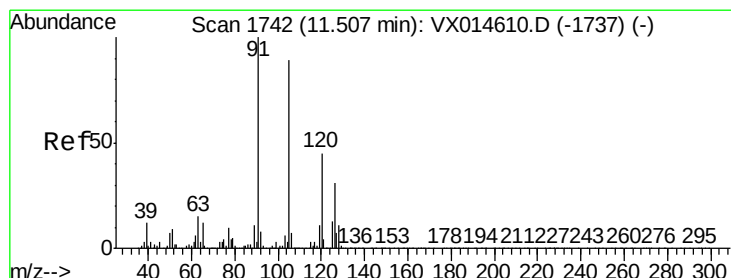
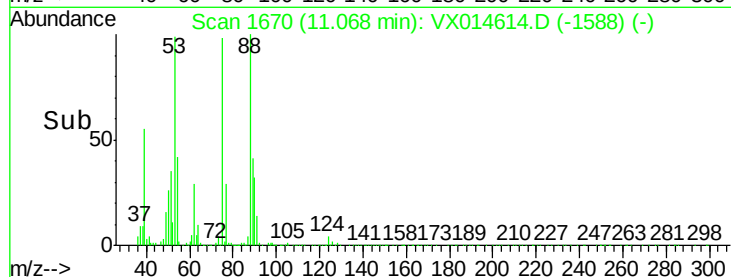
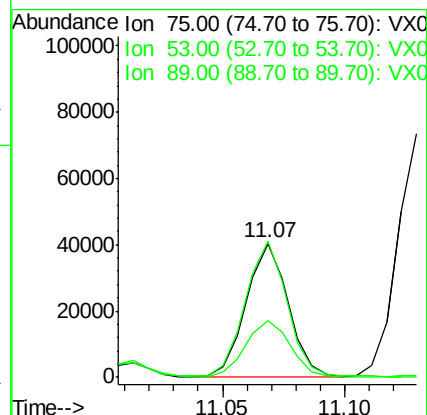
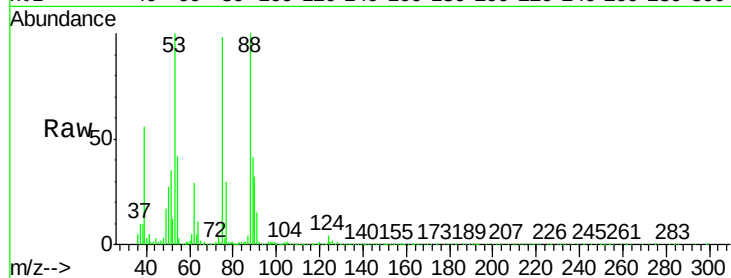
Tgt Ion: 75 Resp: 48076

Ion Ratio Lower Upper

75 100

53 100.6 54.4 163.1

89 42.1 21.9 65.5



#78

4-Chlorotoluene

Concen: 21.812 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014614.D

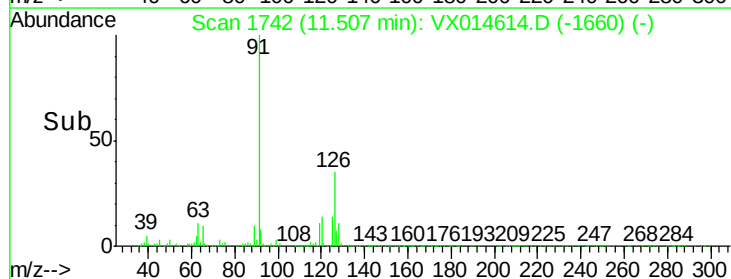
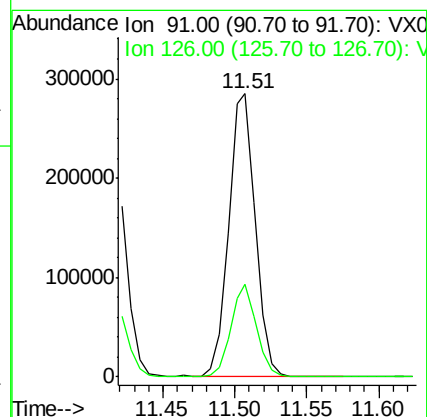
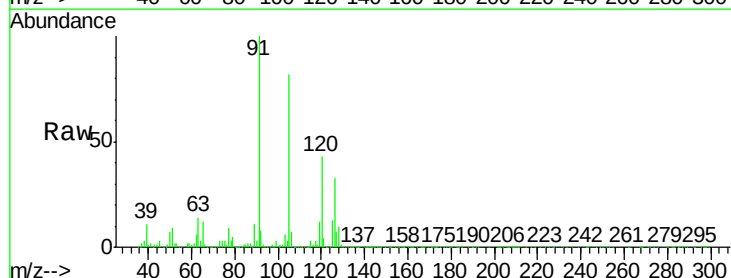
Acq: 15 Jan 2020 12:59

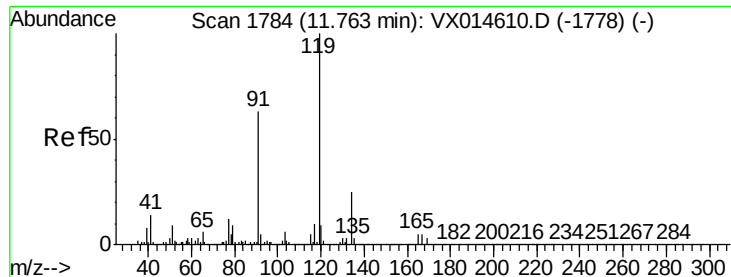
Tgt Ion: 91 Resp: 370297

Ion Ratio Lower Upper

91 100

126 31.2 0.0 59.6

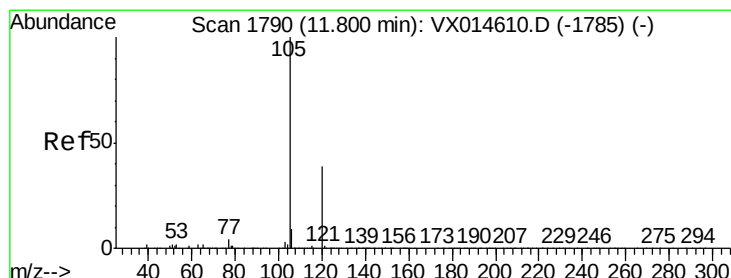
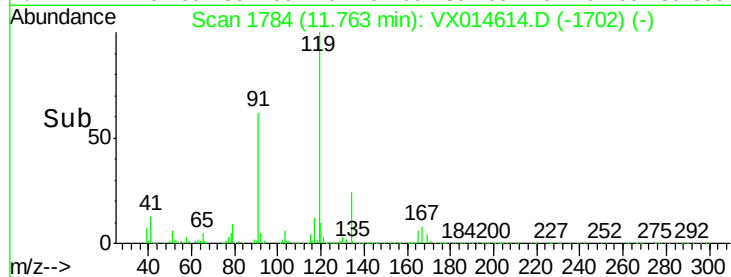
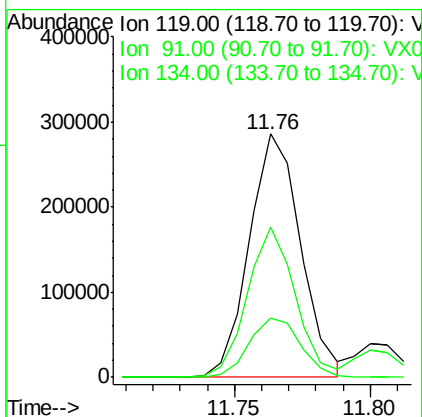
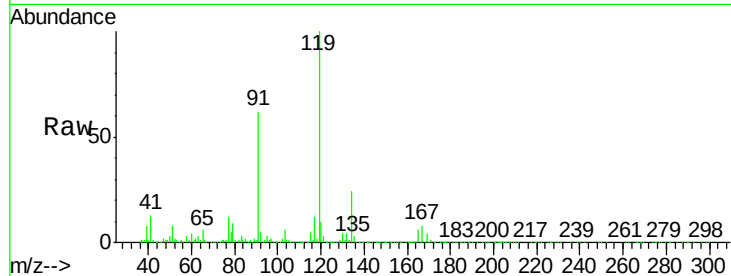




#79
tert-butylbenzene
Concen: 21.963 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

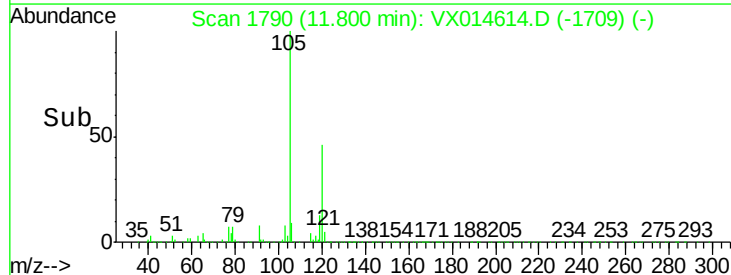
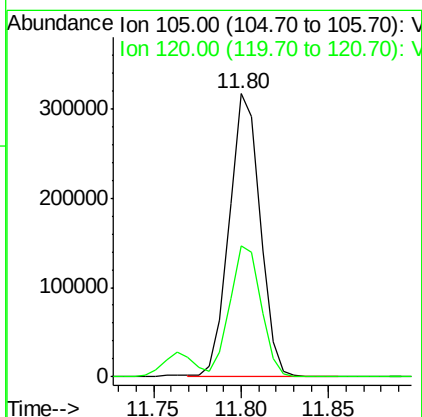
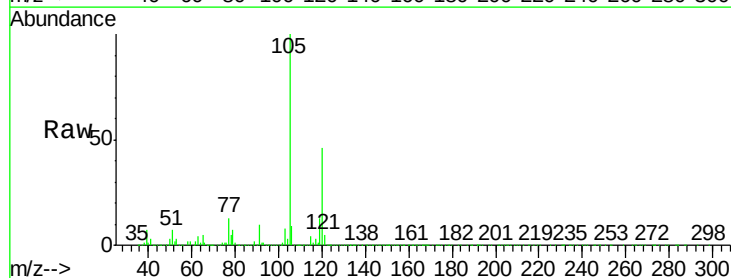
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

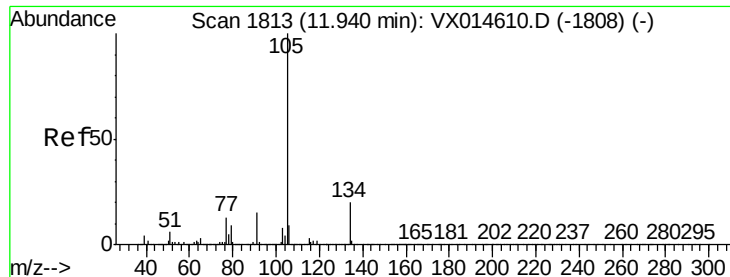
Tgt Ion:119 Resp: 373769
Ion Ratio Lower Upper
119 100
91 57.9 0.0 112.6
134 24.6 0.0 49.8



#80
1,2,4-Trimethylbenzene
Concen: 21.530 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion:105 Resp: 390559
Ion Ratio Lower Upper
105 100
120 46.5 0.0 92.0





#81

sec-Butylbenzene

Concen: 22.039 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

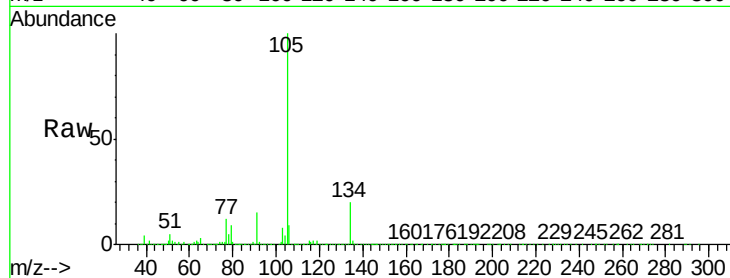
ICVVX011520

Tgt Ion:105 Resp: 464106

Ion Ratio Lower Upper

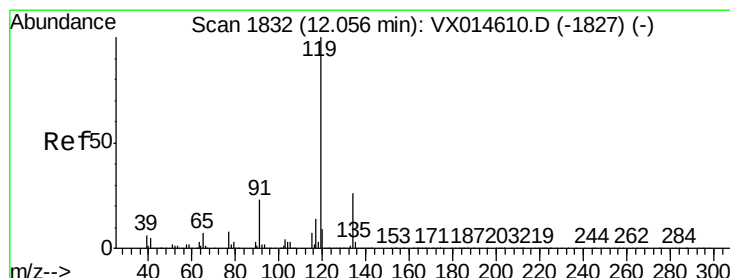
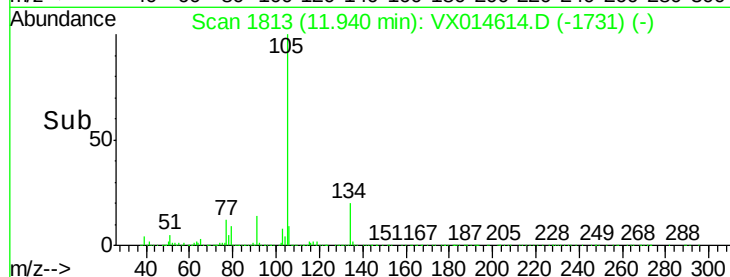
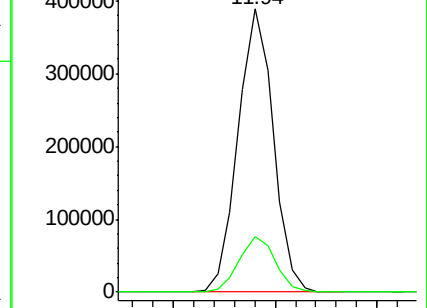
105 100

134 20.2 0.0 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.760 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

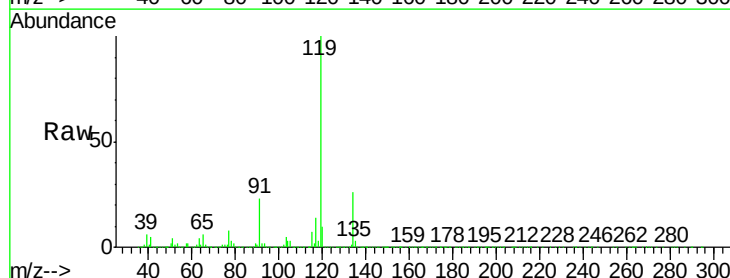
Tgt Ion:119 Resp: 418339

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.8

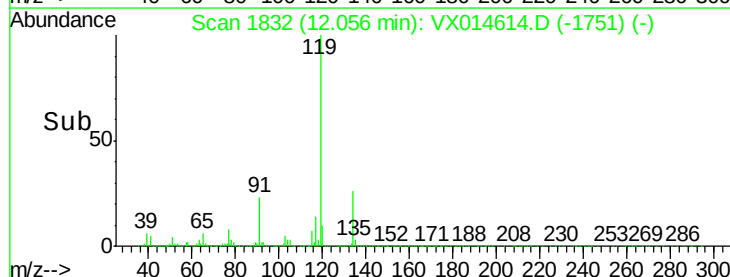
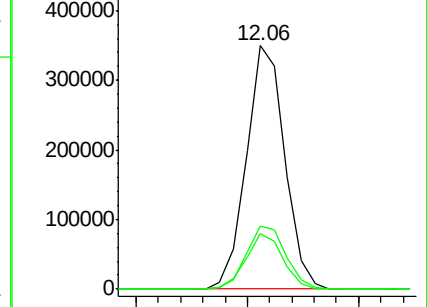
91 22.3 0.0 45.0

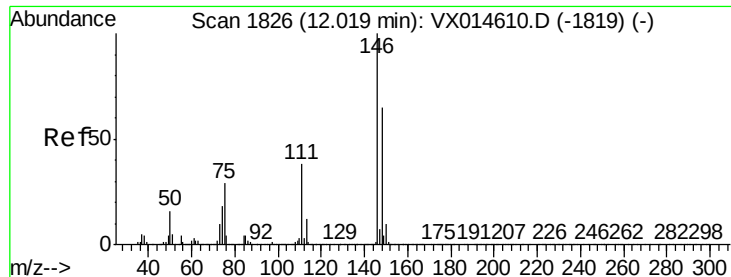


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

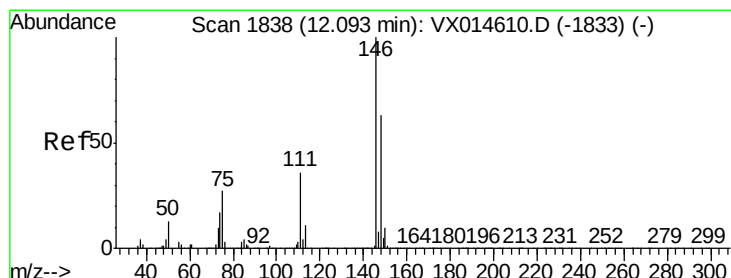
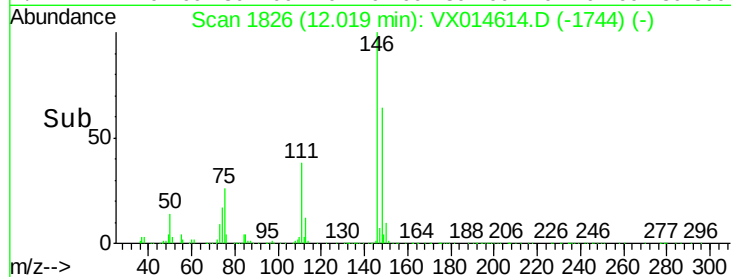
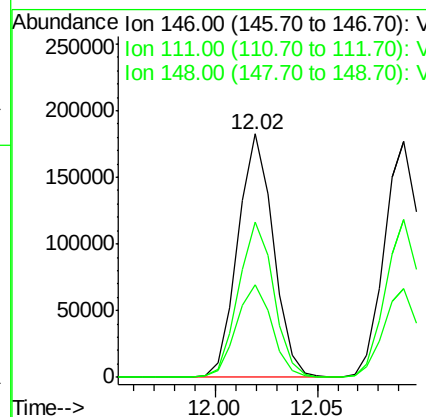
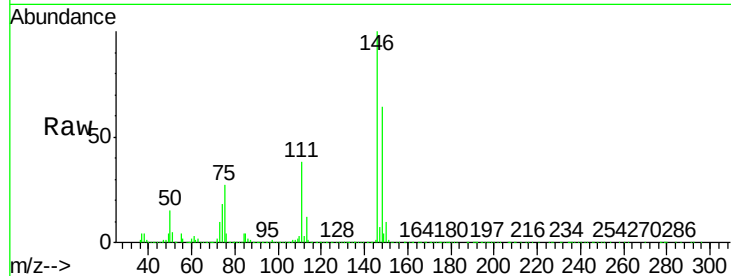




#83
 1,3-Dichlorobenzene
 Concen: 21.760 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

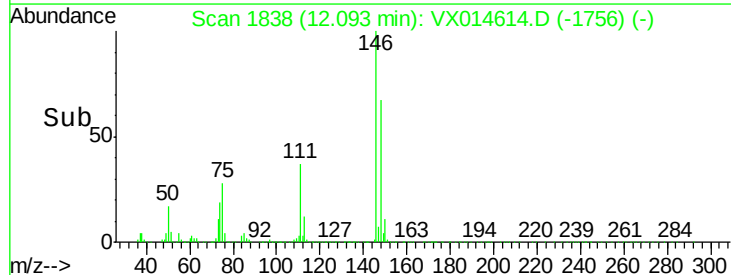
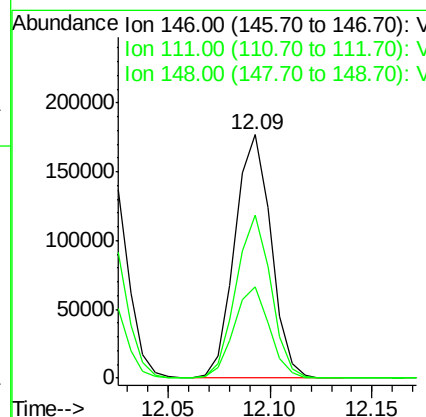
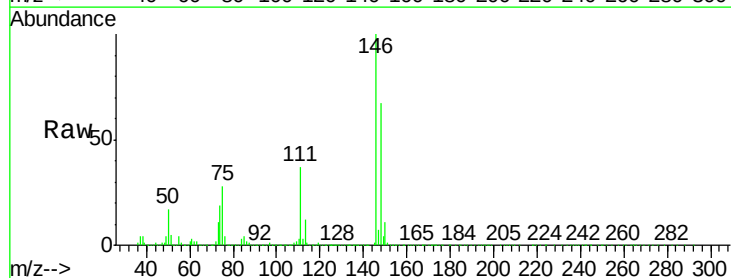
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

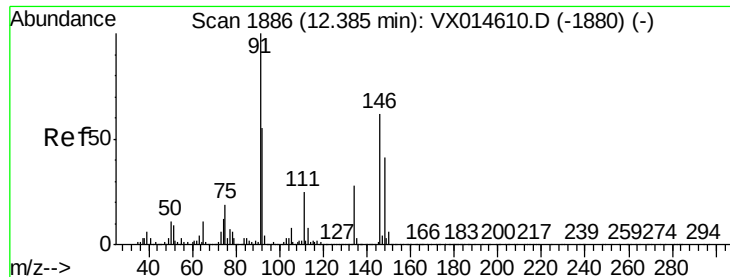
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.9
148	63.3	32.2	96.6



#84
 1,4-Dichlorobenzene
 Concen: 21.761 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.4
148	64.7	32.0	96.0





#85

n-Butylbenzene

Concen: 21.877 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014614.D

Acq: 15 Jan 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011520

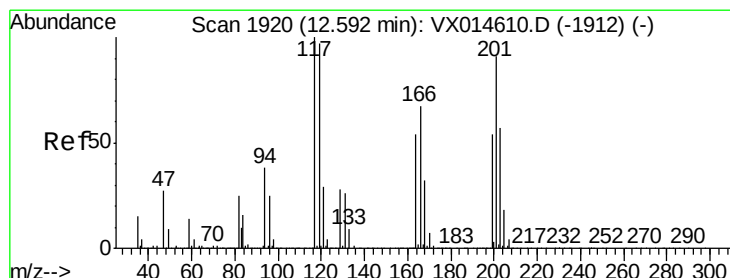
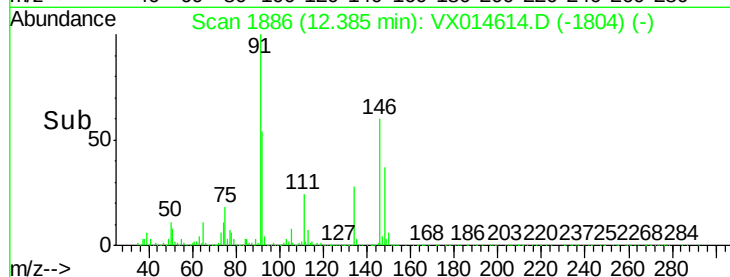
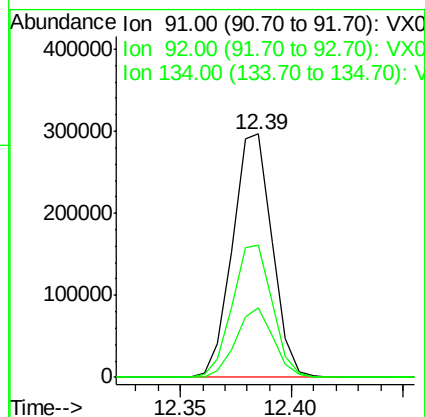
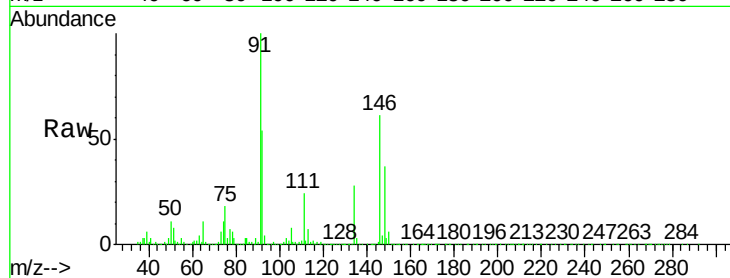
Tgt Ion: 91 Resp: 367992

Ion Ratio Lower Upper

91 100

92 54.7 0.0 109.0

134 26.8 0.0 54.0



#86

Hexachloroethane

Concen: 20.660 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014614.D

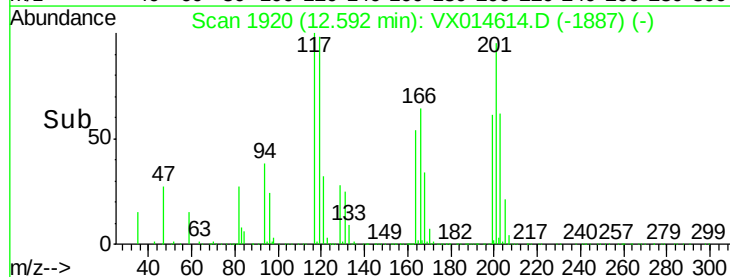
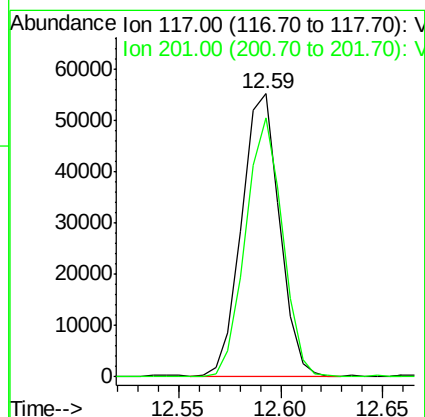
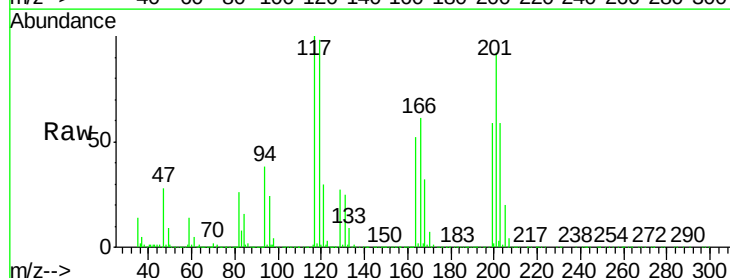
Acq: 15 Jan 2020 12:59

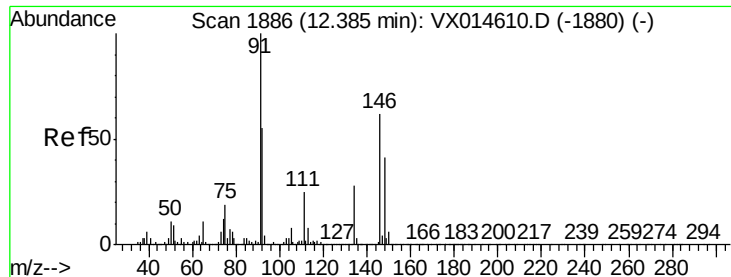
Tgt Ion: 117 Resp: 71226

Ion Ratio Lower Upper

117 100

201 89.0 44.8 134.3

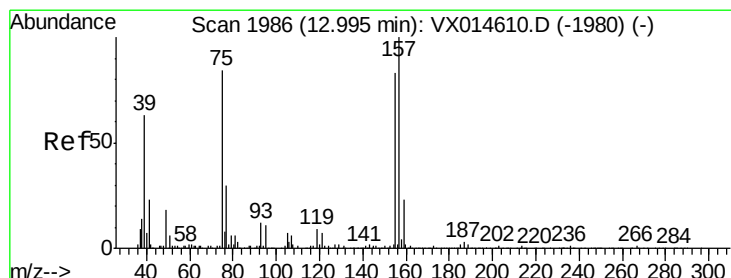
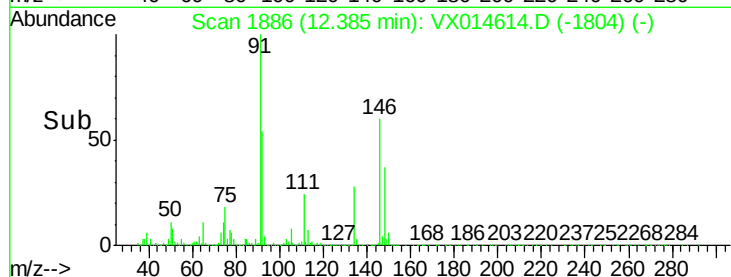
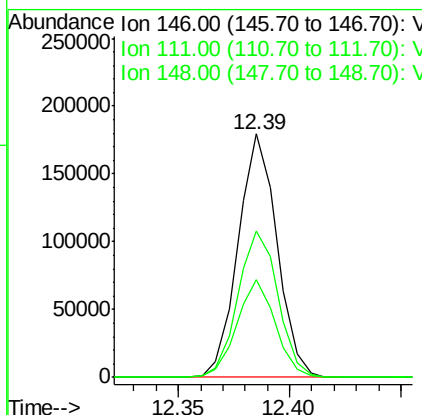
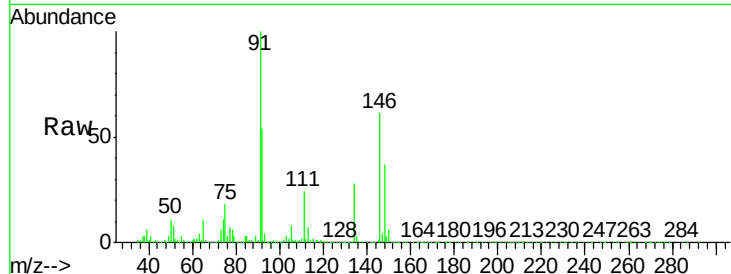




#87
 1,2-Dichlorobenzene
 Concen: 21.473 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

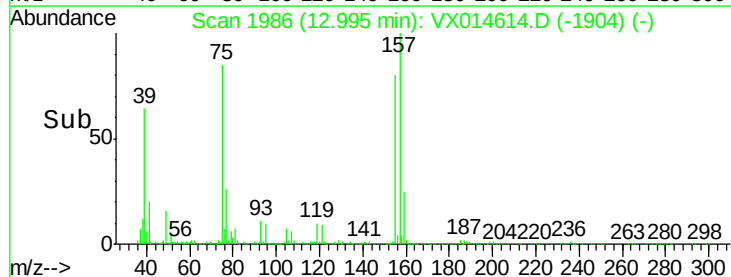
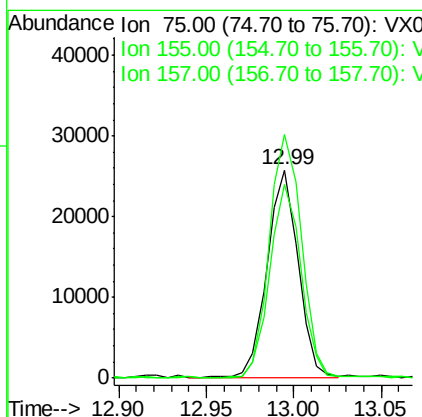
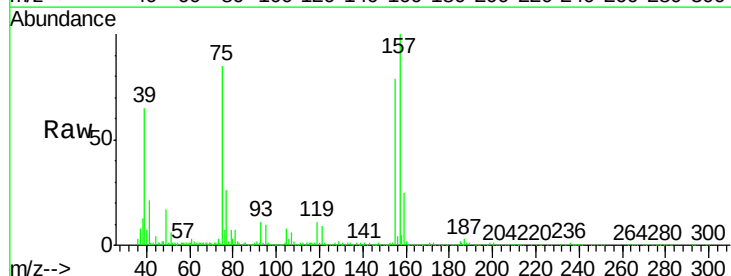
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

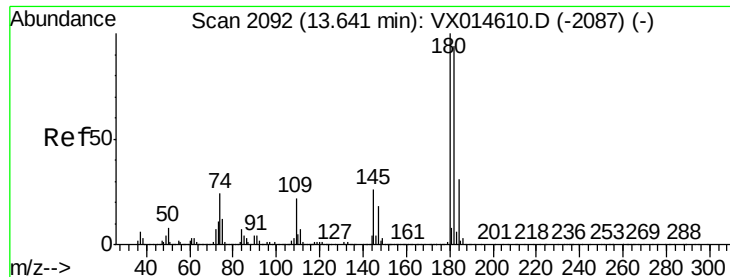
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.2
148	62.0	32.0	96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.407 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014614.D
 Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	73.8	110.6
157	120.3	95.0	142.4

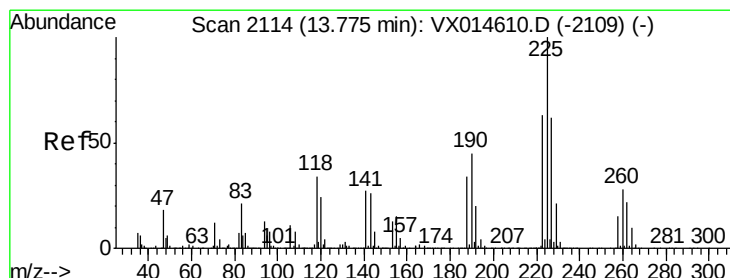
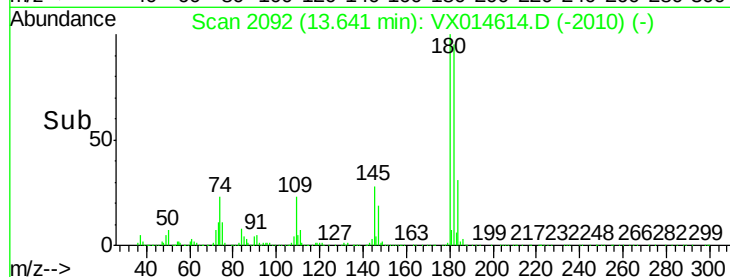
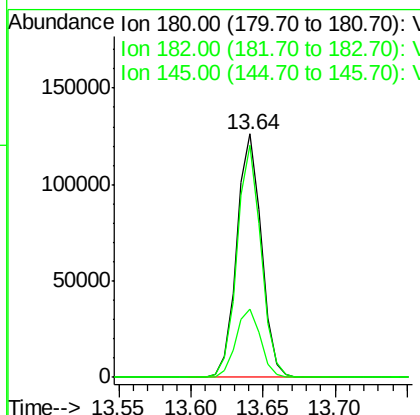
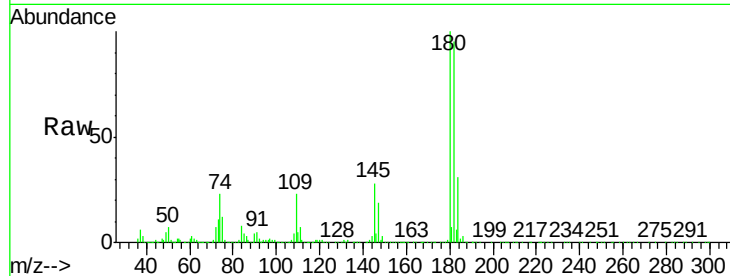




#89
1,2,4-Trichlorobenzene
Concen: 22.296 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

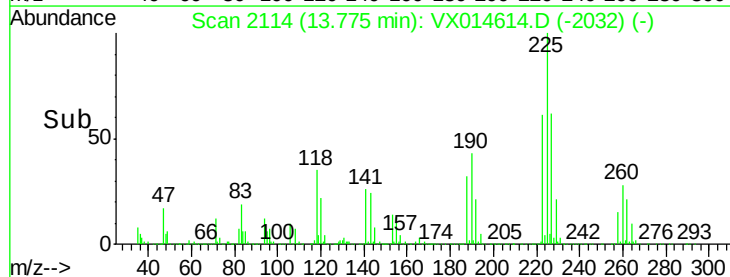
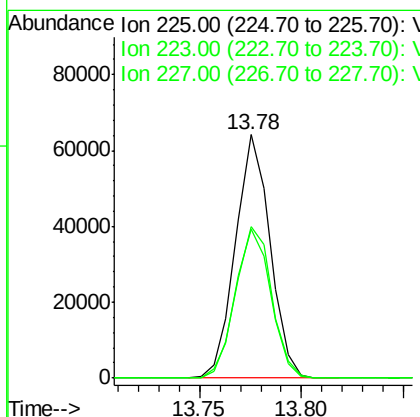
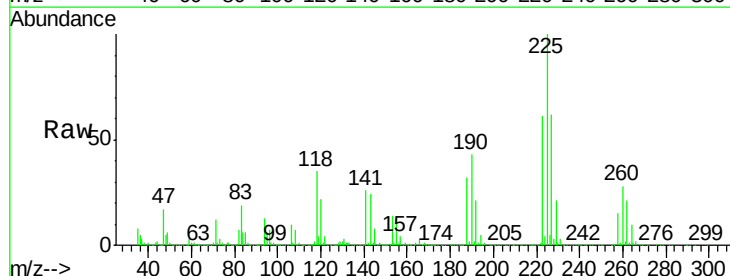
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

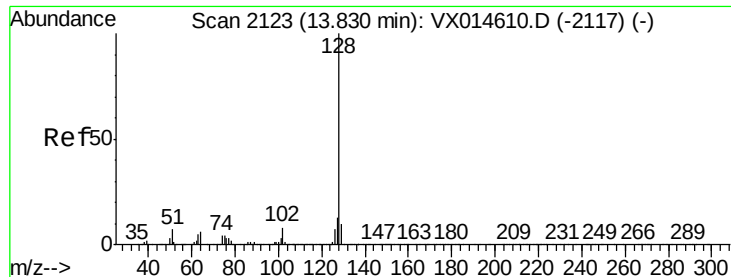
Tgt Ion:180 Resp: 150024
Ion Ratio Lower Upper
180 100
182 93.3 76.4 114.6
145 28.4 21.9 32.9



#90
Hexachlorobutadiene
Concen: 22.504 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion:225 Resp: 75660
Ion Ratio Lower Upper
225 100
223 62.2 0.0 127.4
227 64.8 0.0 122.8

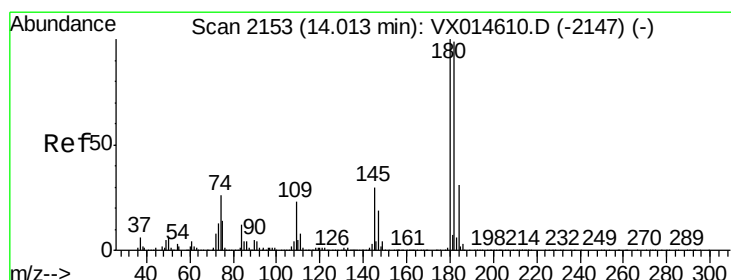
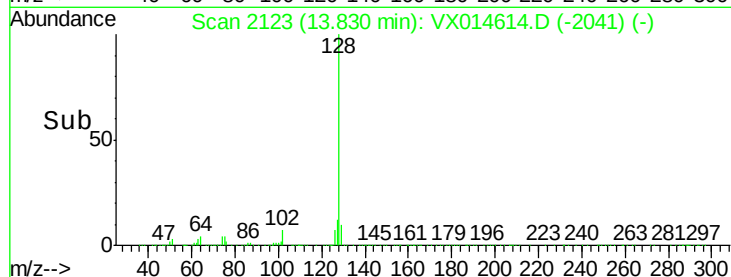
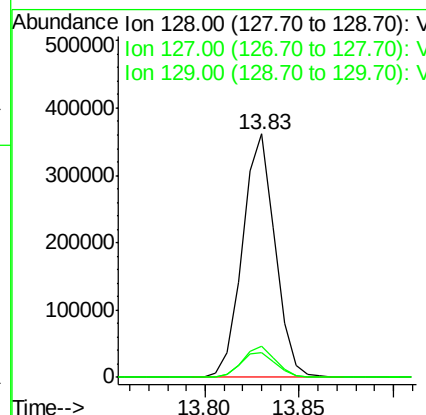
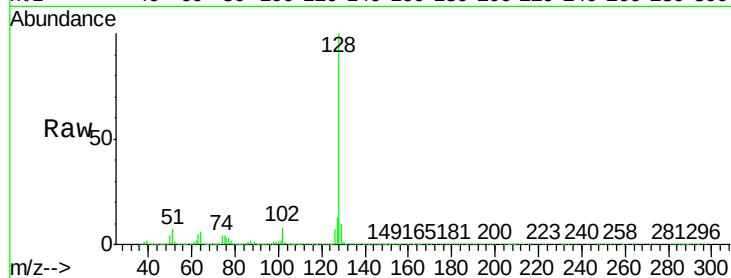




#91
Naphthalene
Concen: 21.265 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011520

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 21.418 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014614.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	192.8
145	31.0	0.0	60.0

