

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031820\
 Data File : VX015326.D
 Acq On : 18 Mar 2020 14:32
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 18 14:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	557851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1059443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1022011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	518274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	1046725	156.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.74%	
35) Dibromofluoromethane	5.49	113	942803	140.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.64%	
50) Toluene-d8	8.71	98	3771346	148.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.24%	
62) 4-Bromofluorobenzene	11.14	95	1480747	160.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	852476	168.46	ug/l	99
3) Chloromethane	1.31	50	1036575	150.51	ug/l	97
4) Vinyl Chloride	1.40	62	1046771	149.43	ug/l	100
5) Bromomethane	1.63	94	279783	70.98	ug/l	99
6) Chloroethane	1.70	64	550026	130.98	ug/l	98
7) Trichlorofluoromethane	1.91	101	1326804	157.23	ug/l	98
8) Diethyl Ether	2.18	74	561749	149.48	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	955864	178.60	ug/l	94
10) Methyl Iodide	2.50	142	1220200	205.28	ug/l	95
11) Tert butyl alcohol	3.06	59	1069685	898.81	ug/l	99
12) 1,1-Dichloroethene	2.36	96	1035273	186.75	ug/l	95
13) Acrolein	2.28	56	974583	880.54	ug/l	99
14) Allyl chloride	2.72	41	1580689	165.43	ug/l	96
15) Acrylonitrile	3.14	53	2643076	890.42	ug/l	99
16) Acetone	2.44	43	1925609	724.17	ug/l	100
17) Carbon Disulfide	2.56	76	2905366	188.06	ug/l	100
18) Methyl Acetate	2.76	43	1077348	161.51	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	3092061	176.48	ug/l	99
20) Methylene Chloride	2.84	84	1135980	173.16	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	1122695	183.83	ug/l	98
22) Diisopropyl ether	3.84	45	3189964	166.00	ug/l	100
23) Vinyl Acetate	3.81	43	13069389	831.85	ug/l	98
24) 1,1-Dichloroethane	3.69	63	1821394	169.02	ug/l	99
25) 2-Butanone	4.66	43	3408628	858.16	ug/l	100
26) 2,2-Dichloropropane	4.57	77	1458466	171.88	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	1284066	189.53	ug/l	99
28) Bromochloromethane	5.01	49	799248	165.93	ug/l	96
29) Tetrahydrofuran	5.11	42	2241565	866.88	ug/l	99
30) Chloroform	5.20	83	1853518	175.48	ug/l	96
31) Cyclohexane	5.57	56	1571812	163.17	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	1534706	174.33	ug/l	100
36) 1,1-Dichloropropene	5.79	75	1398513	142.16	ug/l	100
37) Ethyl Acetate	4.82	43	1354684	150.94	ug/l	99
38) Carbon Tetrachloride	5.78	117	1360616	146.11	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1795207	155.39	ug/l	98
40) Benzene	6.14	78	4320315	147.36	ug/l	99
41) Methacrylonitrile	5.03	41	753505	140.39	ug/l	97
42) 1,2-Dichloroethane	6.19	62	1307764	132.85	ug/l	100
43) Isopropyl Acetate	6.43	43	2156647	137.69	ug/l	99
44) Trichloroethene	7.21	130	1220634	150.79	ug/l	92
45) 1,2-Dichloropropane	7.51	63	1072771	142.80	ug/l	99
46) Dibromomethane	7.65	93	735338	148.99	ug/l	97
47) Bromodichloromethane	7.89	83	1449625	149.24	ug/l	98
48) Methyl methacrylate	7.76	41	1089216	136.52	ug/l	99
49) 1,4-Dioxane	7.73	88	551705	3090.65	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	6616184	711.33	ug/l	100
52) Toluene	8.78	92	2749492	153.36	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1665529	162.09	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	1800436	153.95	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	1105912	149.51	ug/l	98
56) Ethyl methacrylate	9.17	69	1723710	165.31	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1815424	146.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	6265708	1105.64	ug/l	99
59) 2-Hexanone	9.49	43	5122460	744.35	ug/l	100
60) Dibromochloromethane	9.58	129	1228812	159.20	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1213866	155.48	ug/l	99
64) Tetrachloroethene	9.33	164	976150	117.91	ug/l	97
65) Chlorobenzene	10.14	112	3102103	149.65	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	1111035	143.47	ug/l	98
67) Ethyl Benzene	10.25	91	5188055	147.65	ug/l	100
68) m/p-Xylenes	10.36	106	4142521	309.15	ug/l	97
69) o-Xylene	10.70	106	1962349	152.91	ug/l	99
70) Styrene	10.71	104	3446481	156.66	ug/l	99
71) Bromoform	10.85	173	830026	140.65	ug/l	97
73) Isopropylbenzene	11.01	105	5230475	154.61	ug/l	100
74) N-amyl acetate	10.89	43	2175821	157.60	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	1684300	150.03	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	1959762	192.49	ug/l	83
77) Bromobenzene	11.25	156	1277968	137.77	ug/l	99
78) n-propylbenzene	11.35	91	5885391	153.42	ug/l	98
79) 2-Chlorotoluene	11.42	91	3537015	153.90	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	4455931	159.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	634587	171.01	ug/l	97
82) 4-Chlorotoluene	11.51	91	4232577	156.03	ug/l	99
83) tert-Butylbenzene	11.76	119	4366514	160.91	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	4609176	162.47	ug/l	100
85) sec-Butylbenzene	11.94	105	5390473	163.18	ug/l	99
86) p-Isopropyltoluene	12.06	119	4793682	158.44	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	2453585	148.95	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	2493363	146.99	ug/l	99
89) n-Butylbenzene	12.39	91	4479421	165.94	ug/l	99
90) Hexachloroethane	12.59	117	909392	158.99	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	2328373	141.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	359181	161.62	ug/l	93

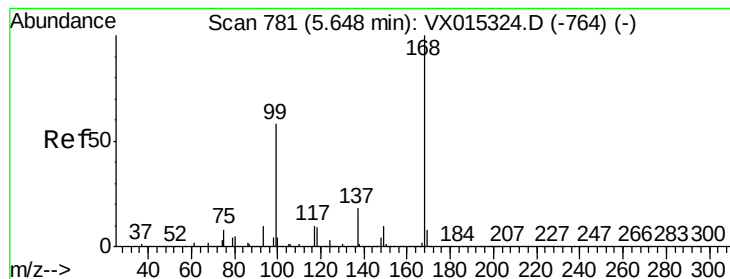
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX031820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1473342	133.19	ug/l	99
94) Hexachlorobutadiene	13.78	225	567961	103.19	ug/l	98
95) Naphthalene	13.83	128	5217769	166.07	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1460592	132.59	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

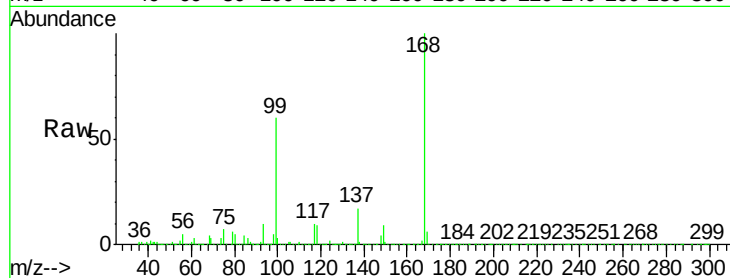
VSTDIC150

Tgt Ion:168 Resp: 557851

Ion Ratio Lower Upper

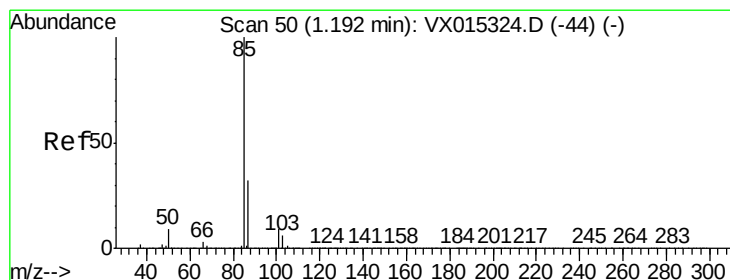
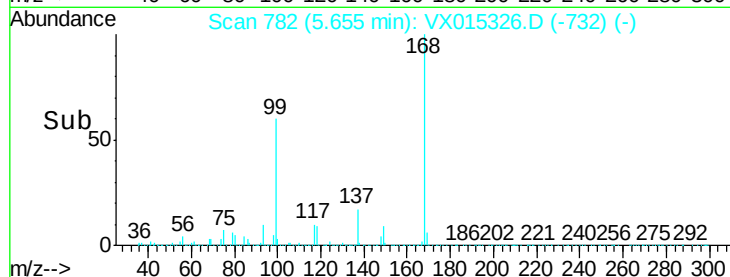
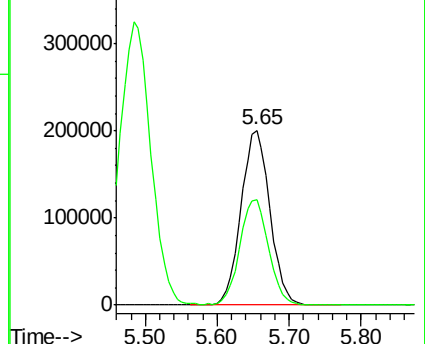
168 100

99 59.7 47.0 70.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 168.46 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX015326.D

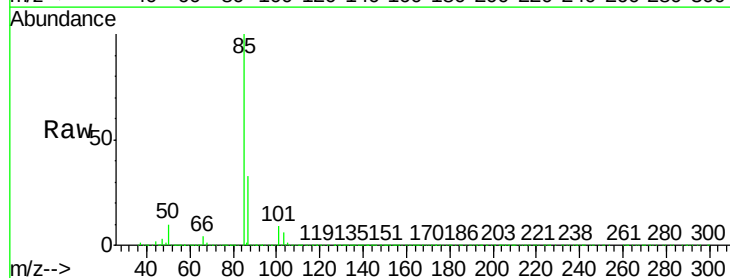
Acq: 18 Mar 2020 14:32

Tgt Ion: 85 Resp: 852476

Ion Ratio Lower Upper

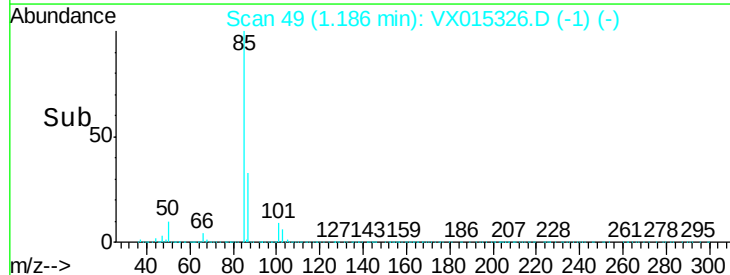
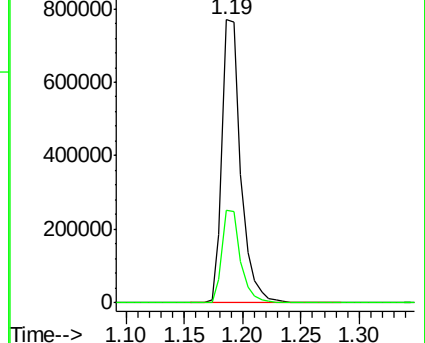
85 100

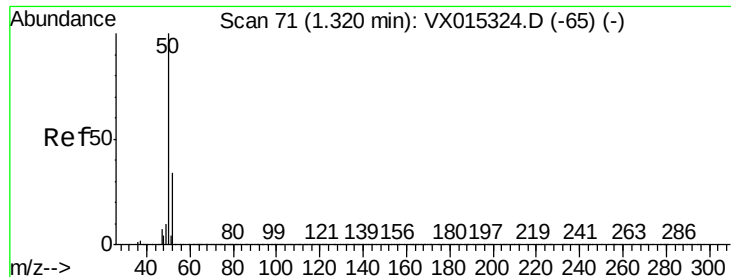
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

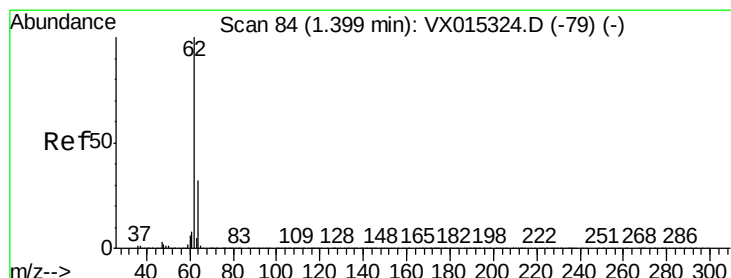
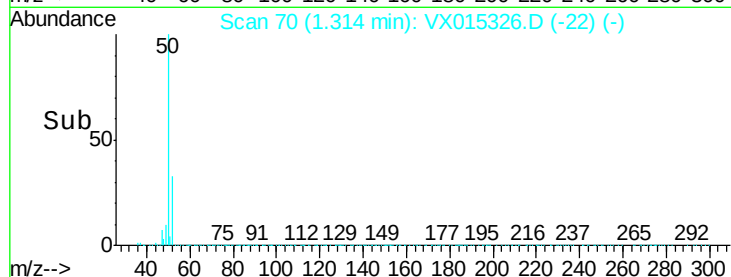
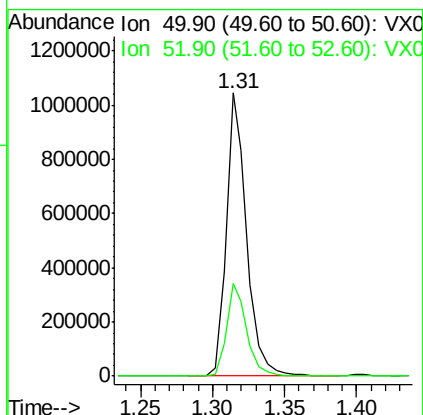
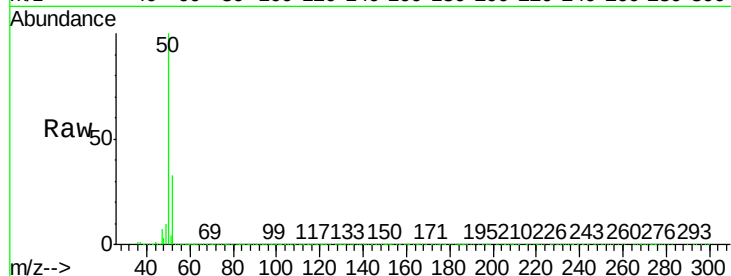




#3
Chloromethane
Concen: 150.51 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

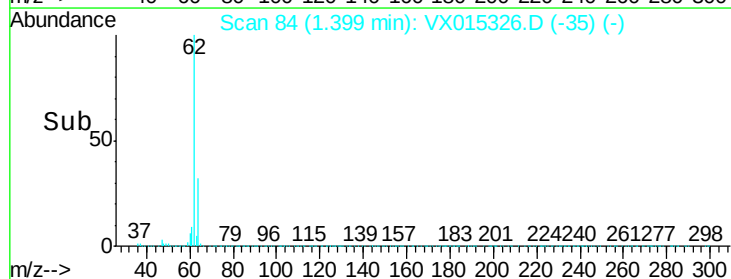
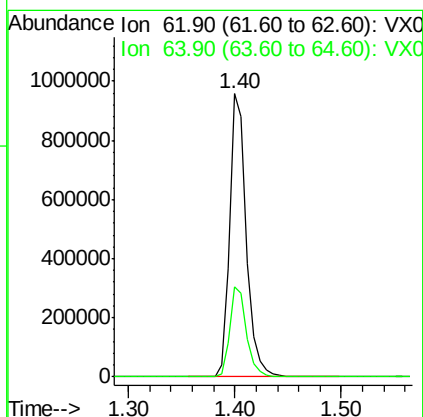
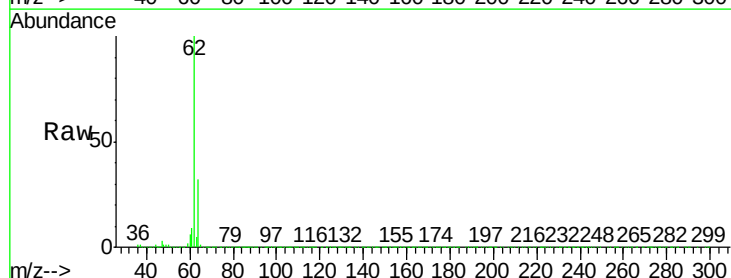
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

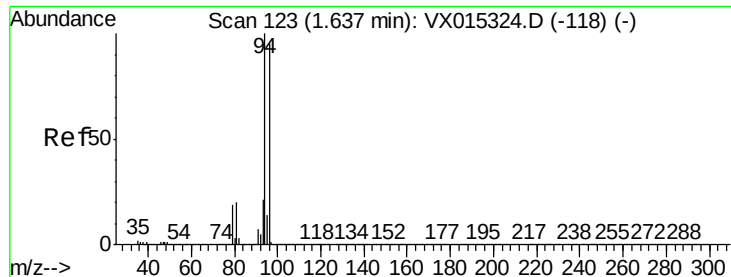
Tgt Ion: 50 Resp: 1036575
Ion Ratio Lower Upper
50 100
52 32.7 27.4 41.0



#4
Vinyl Chloride
Concen: 149.43 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 62 Resp: 1046771
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0





#5

Bromomethane

Concen: 70.98 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

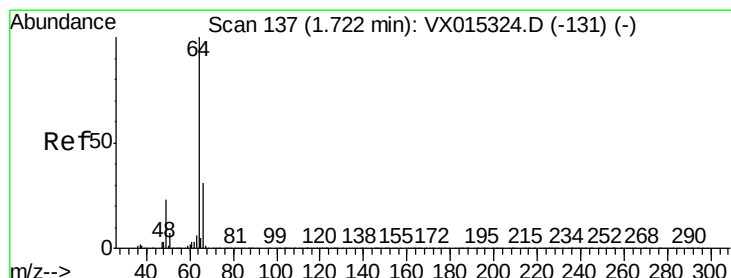
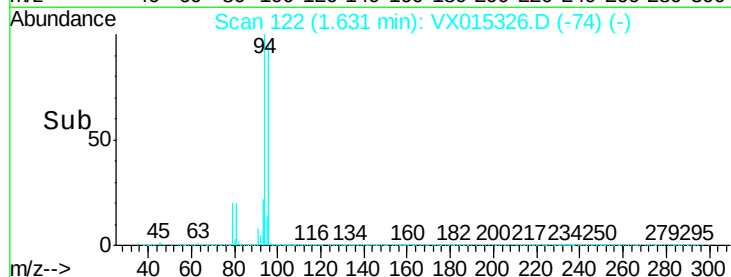
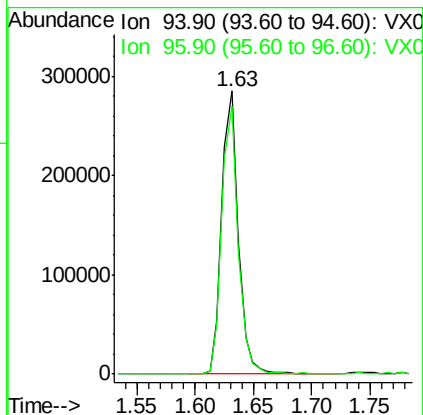
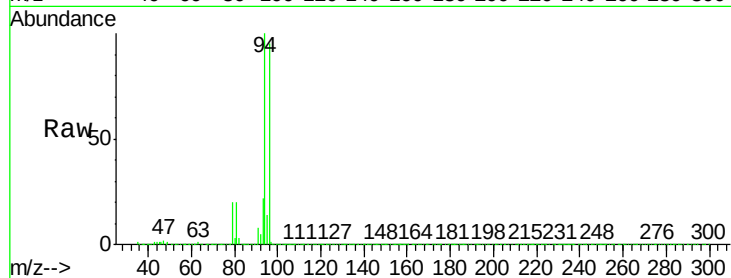
VSTDIC150

Tgt Ion: 94 Resp: 279783

Ion Ratio Lower Upper

94 100

96 94.6 76.5 114.7



#6

Chloroethane

Concen: 130.98 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX015326.D

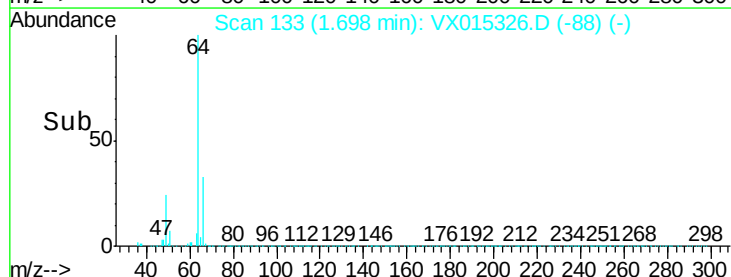
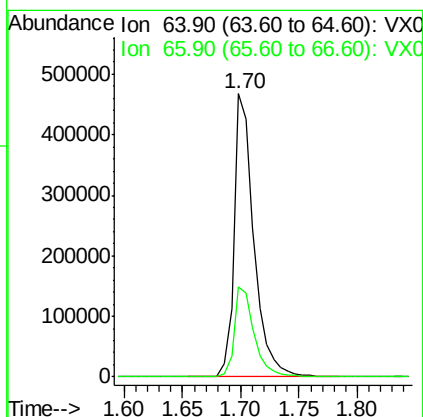
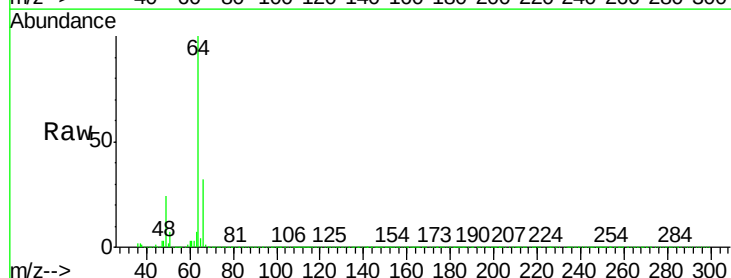
Acq: 18 Mar 2020 14:32

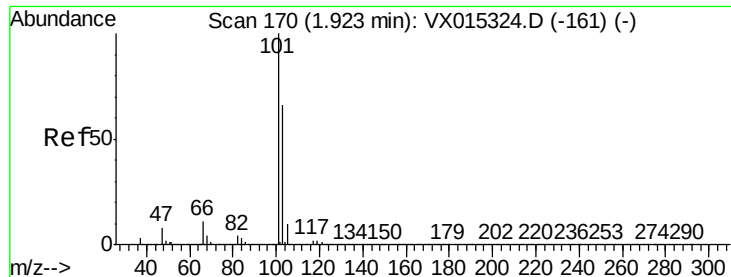
Tgt Ion: 64 Resp: 550026

Ion Ratio Lower Upper

64 100

66 31.9 24.8 37.2



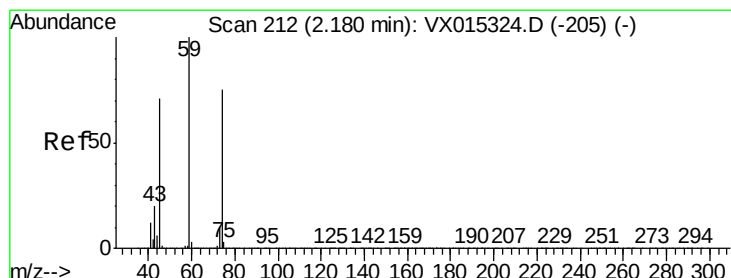
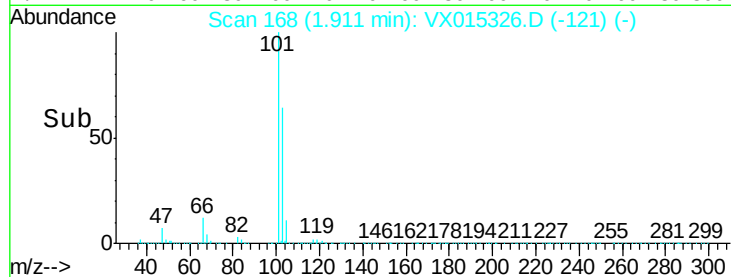
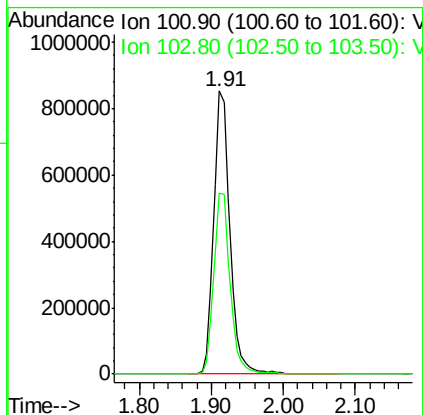
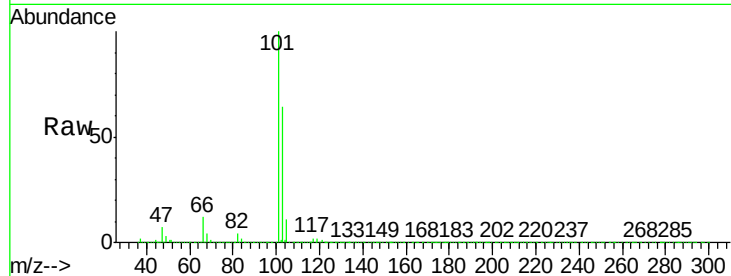


#7

Trichlorofluoromethane
Concen: 157.23 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

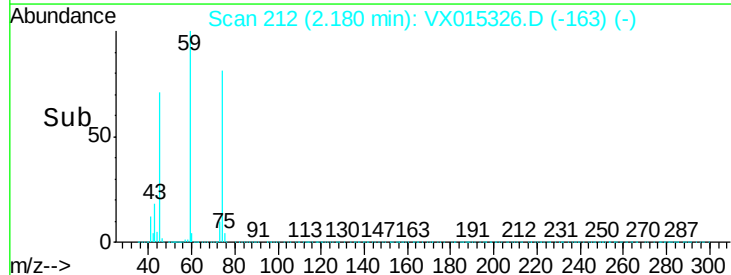
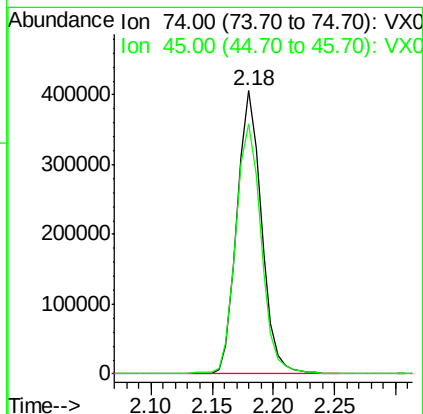
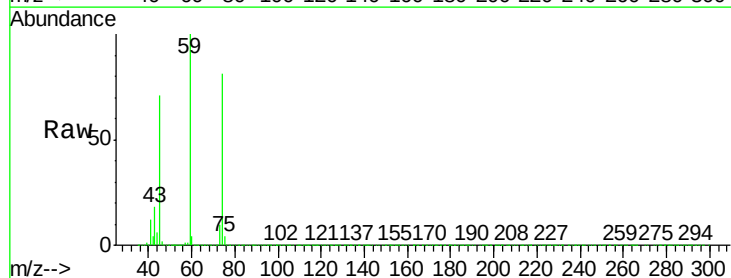
Tgt Ion:101 Resp: 1326804
Ion Ratio Lower Upper
101 100
103 64.0 52.6 79.0

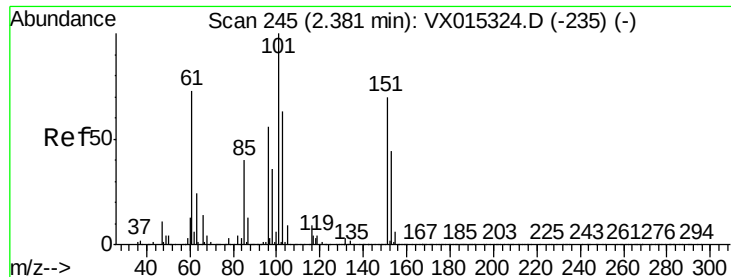


#8

Diethyl Ether
Concen: 149.48 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 74 Resp: 561749
Ion Ratio Lower Upper
74 100
45 91.6 46.5 139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 178.60 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

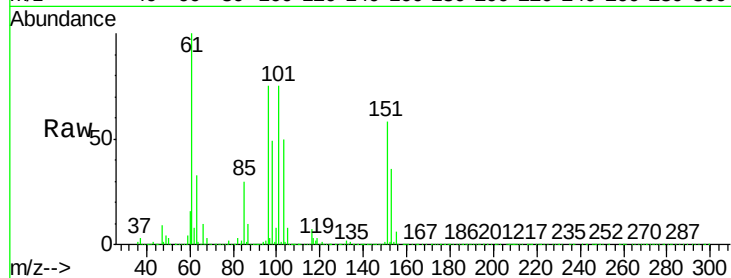
Tgt Ion:101 Resp: 955864

Ion Ratio Lower Upper

101 100

85 40.1 32.2 48.4

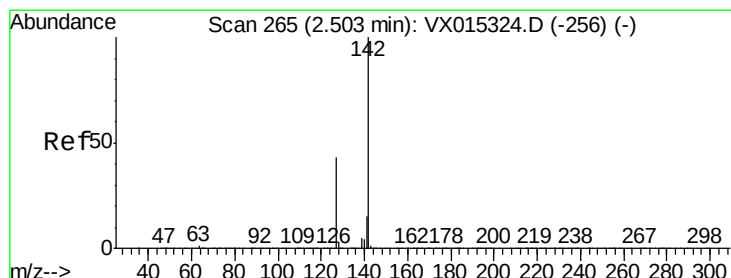
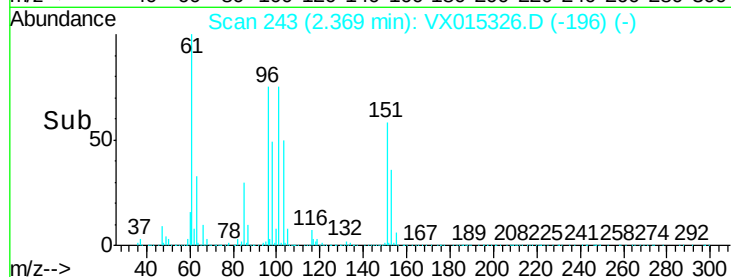
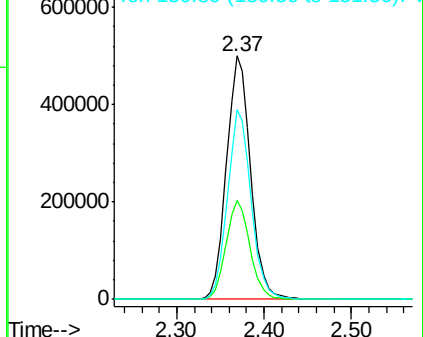
151 76.5 55.0 82.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 205.28 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

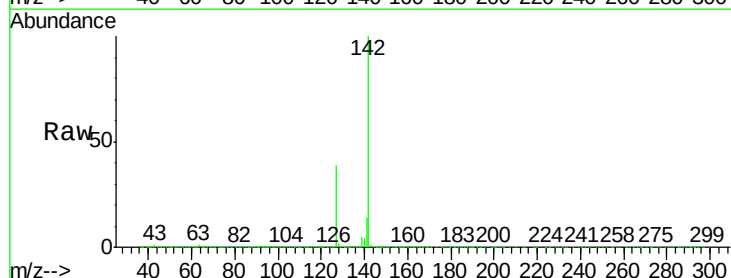
Tgt Ion:142 Resp: 1220200

Ion Ratio Lower Upper

142 100

127 37.9 33.6 50.4

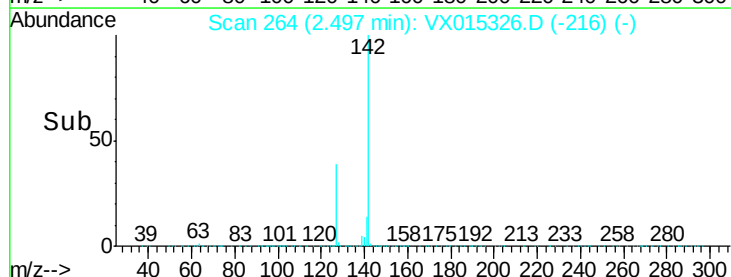
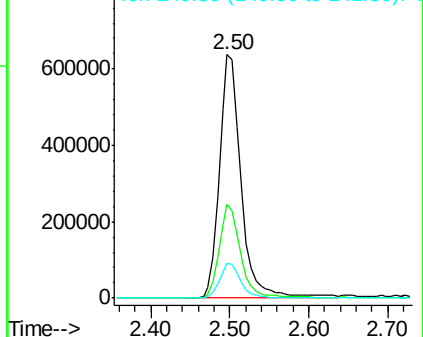
141 14.2 11.9 17.9

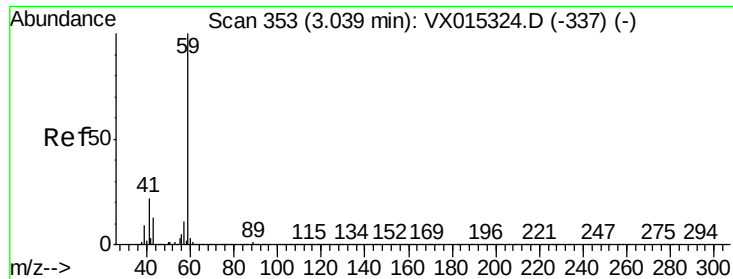


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

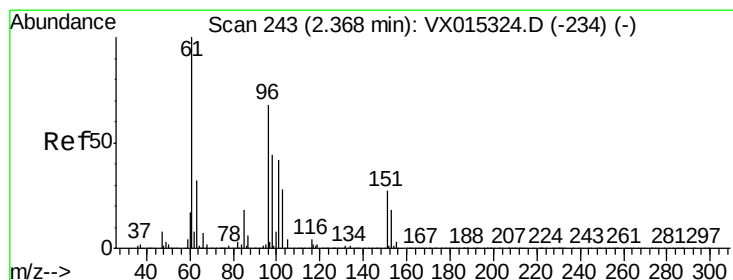
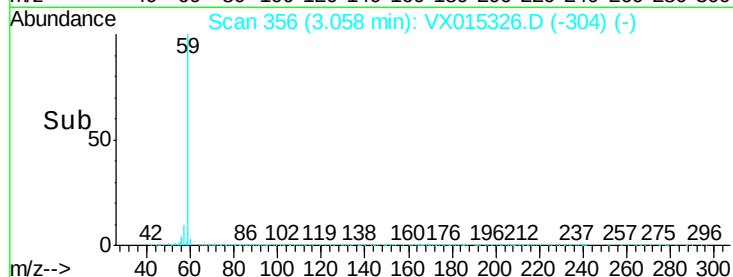
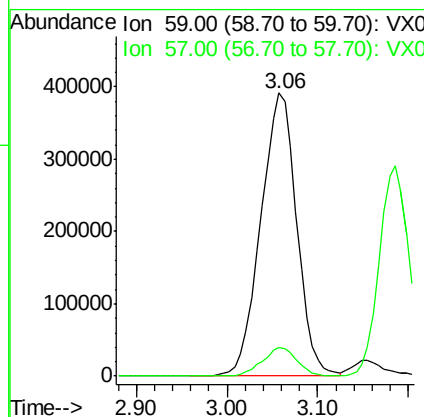
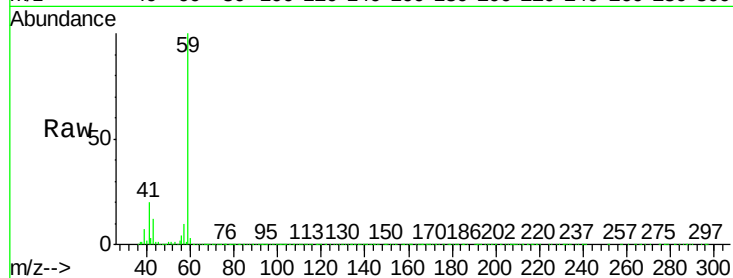




#11
Tert butyl alcohol
Concen: 898.81 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.02 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

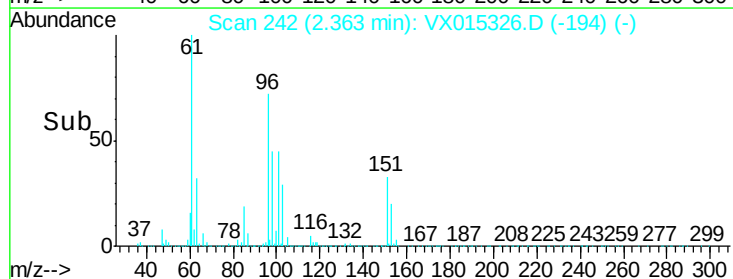
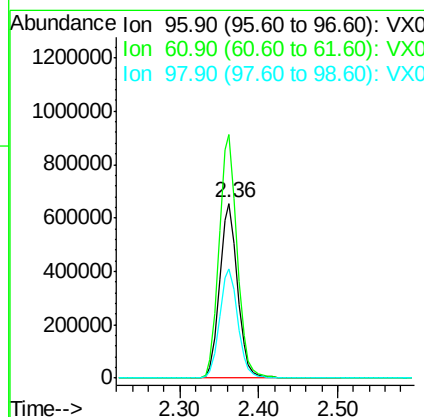
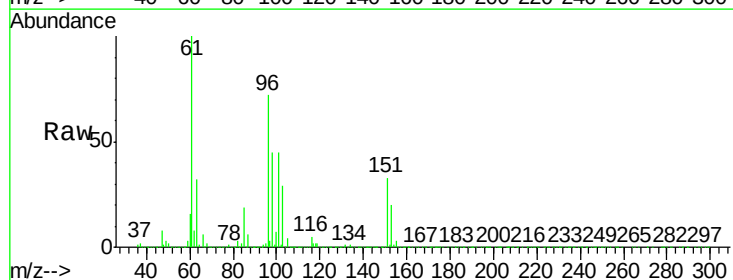
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

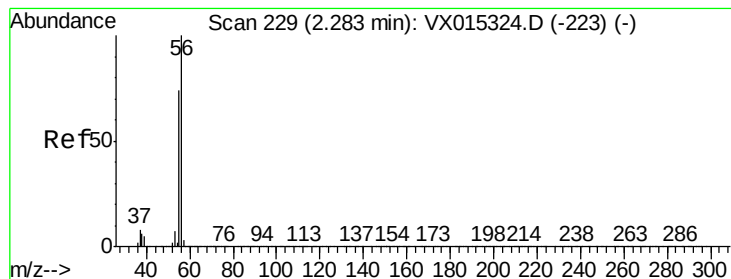
Tgt Ion: 59 Resp: 1069685
Ion Ratio Lower Upper
59 100
57 9.7 8.0 12.0



#12
1,1-Dichloroethene
Concen: 186.75 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 96 Resp: 1035273
Ion Ratio Lower Upper
96 100
61 139.5 117.7 176.5
98 62.9 52.3 78.5





#13

Acrolein

Concen: 880.54 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

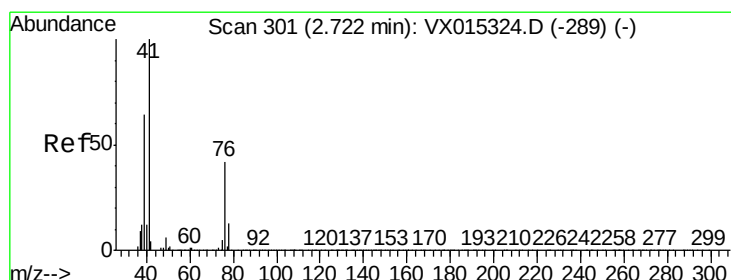
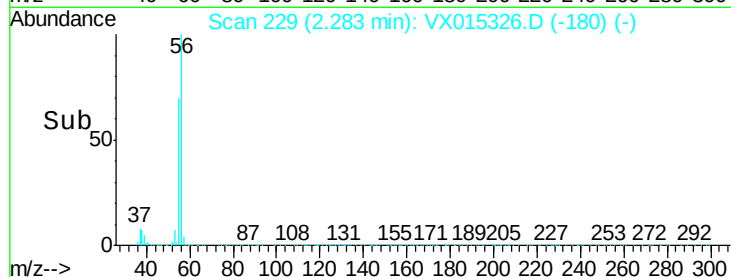
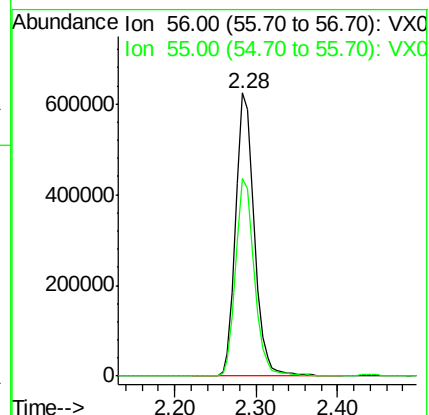
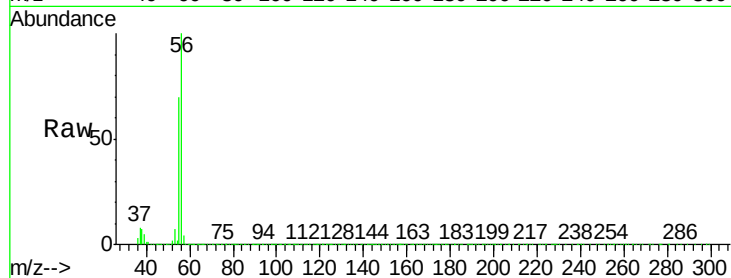
VSTDIC150

Tgt Ion: 56 Resp: 974583

Ion Ratio Lower Upper

56 100

55 70.0 56.6 84.8



#14

Allyl chloride

Concen: 165.43 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

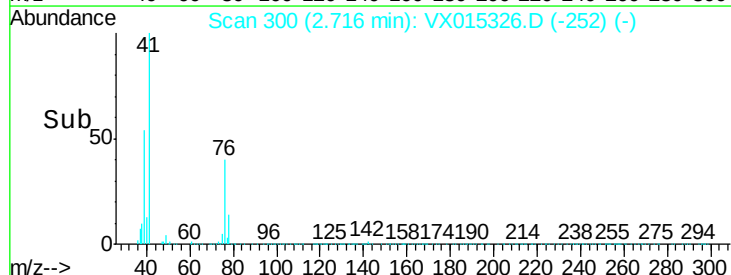
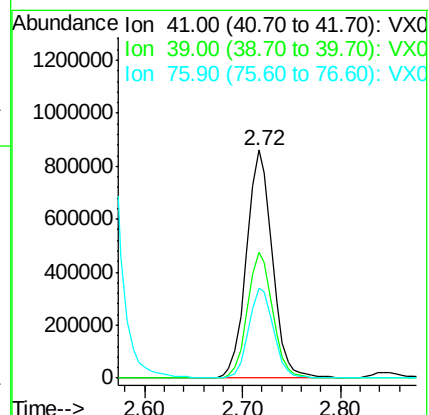
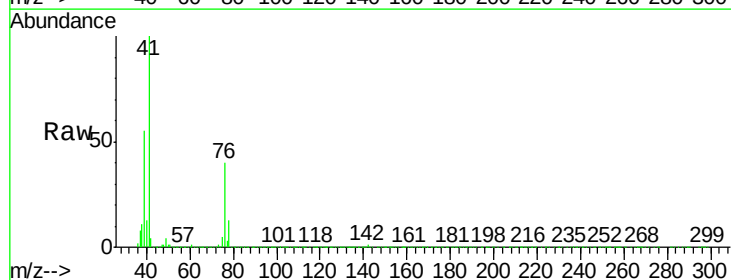
Tgt Ion: 41 Resp: 1580689

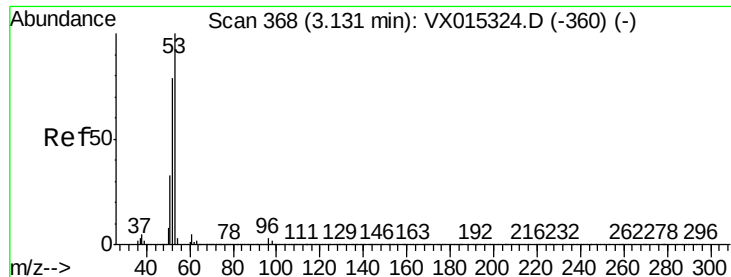
Ion Ratio Lower Upper

41 100

39 53.8 46.8 70.2

76 37.9 30.7 46.1





#15

Acrylonitrile

Concen: 890.42 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

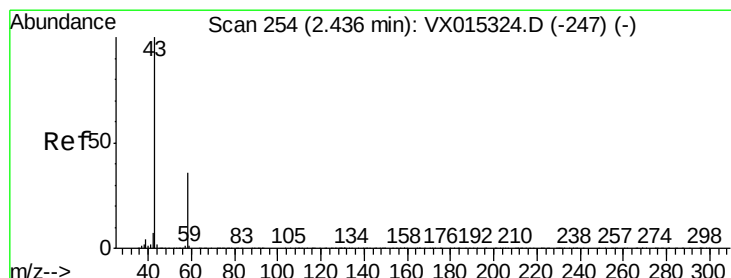
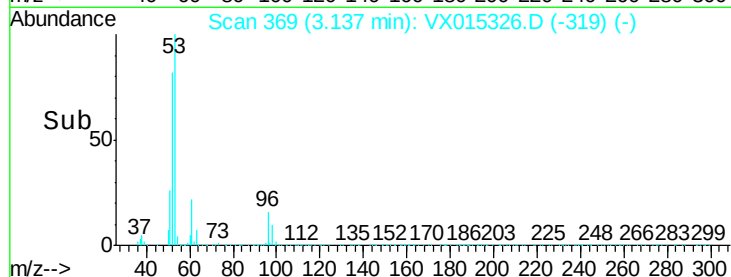
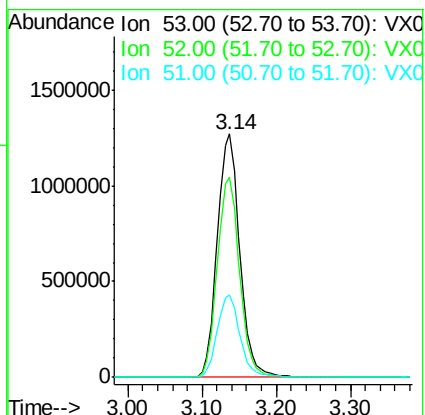
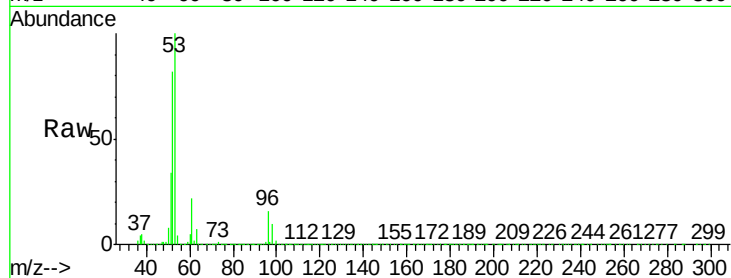
Tgt Ion: 53 Resp: 2643076

Ion Ratio Lower Upper

53 100

52 81.6 64.6 97.0

51 34.1 27.5 41.3



#16

Acetone

Concen: 724.17 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015326.D

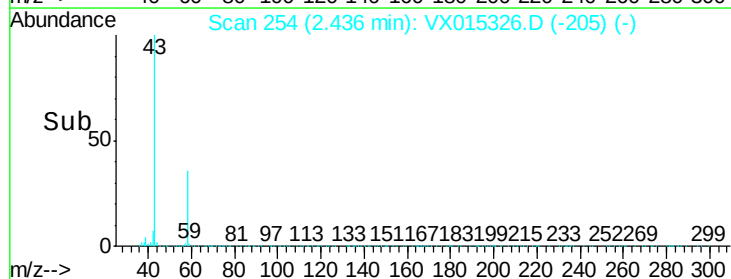
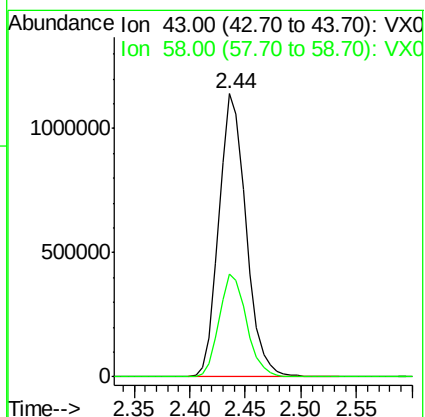
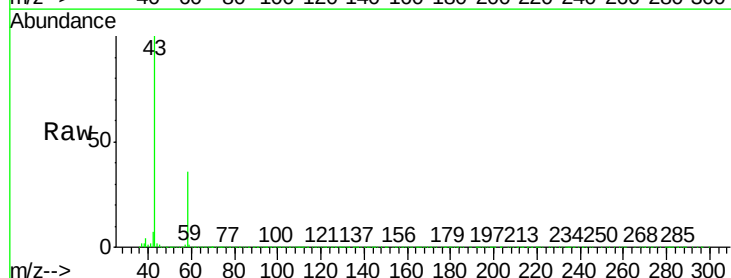
Acq: 18 Mar 2020 14:32

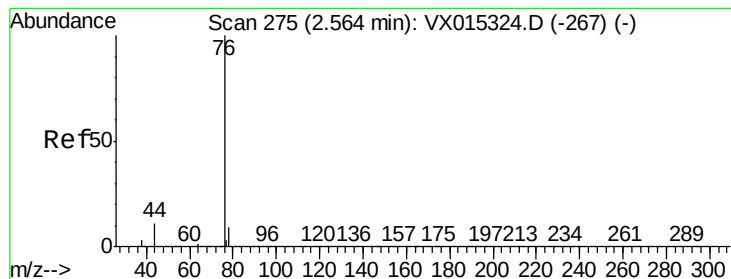
Tgt Ion: 43 Resp: 1925609

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4





#17

Carbon Disulfide

Concen: 188.06 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

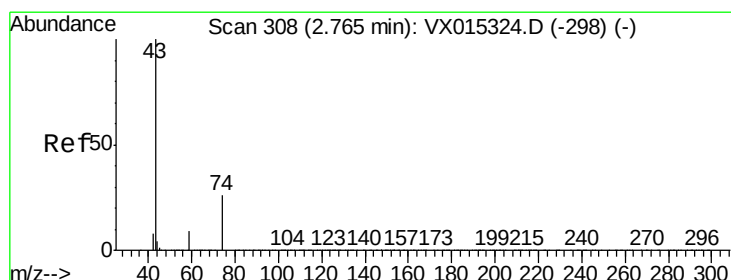
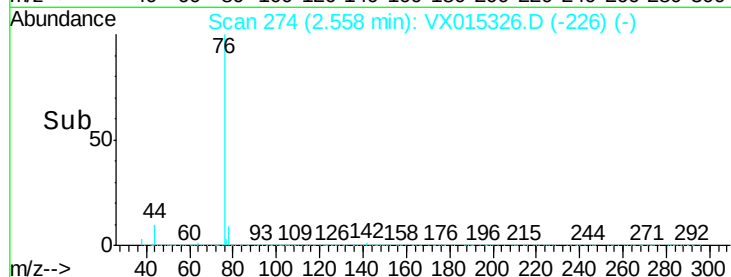
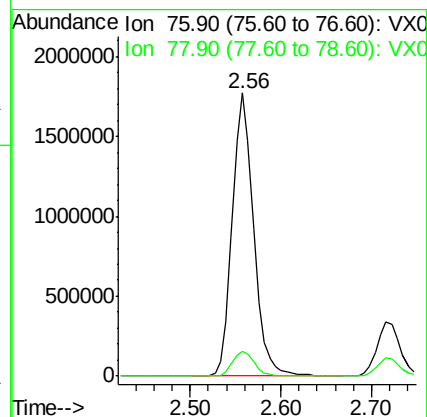
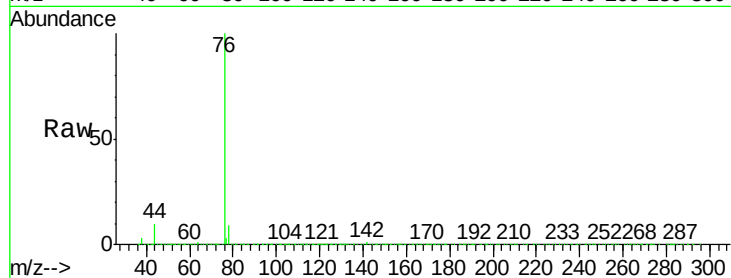
VSTDIC150

Tgt Ion: 76 Resp: 2905366

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



#18

Methyl Acetate

Concen: 161.51 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015326.D

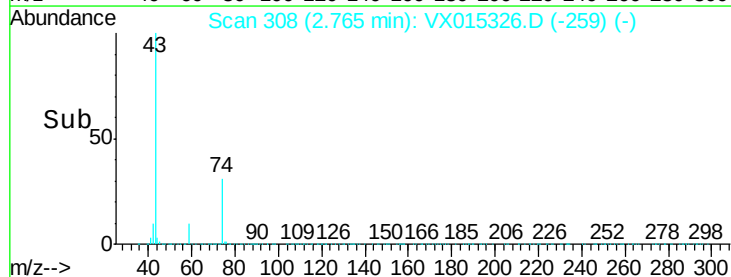
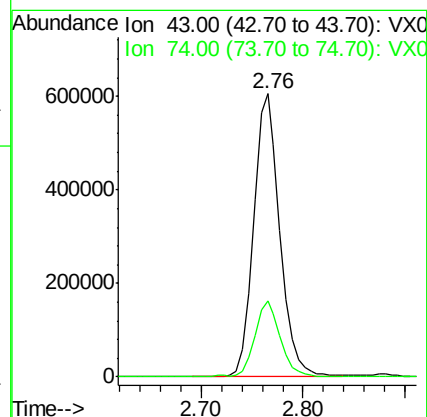
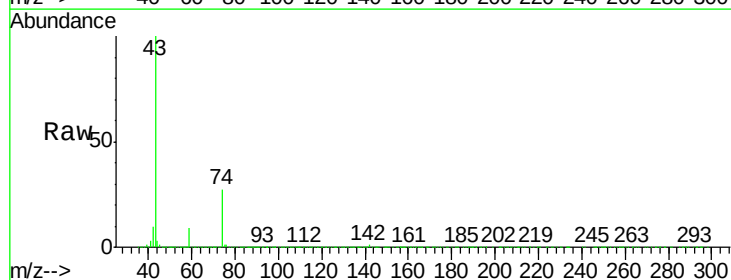
Acq: 18 Mar 2020 14:32

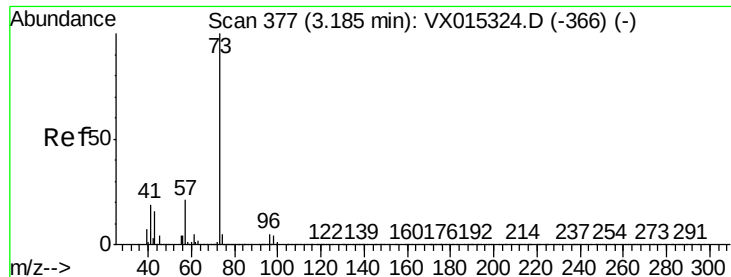
Tgt Ion: 43 Resp: 1077348

Ion Ratio Lower Upper

43 100

74 26.6 21.9 32.9





#19

Methyl tert-butyl Ether

Concen: 176.48 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

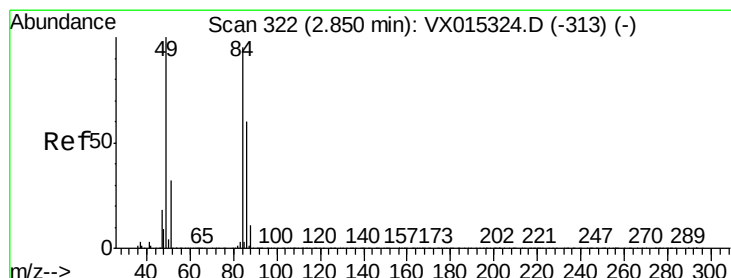
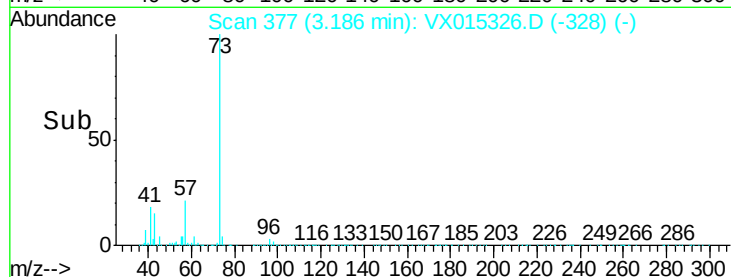
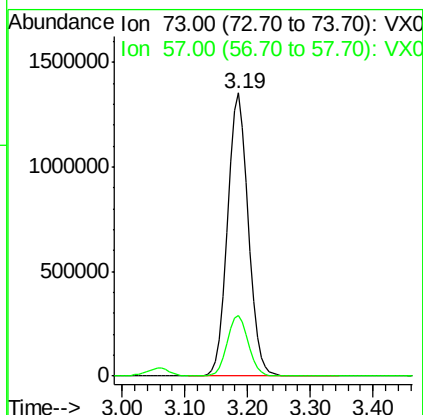
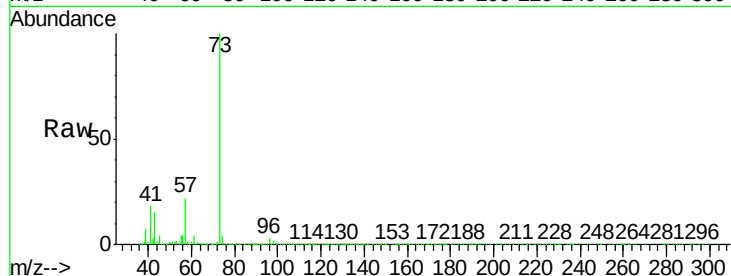
VSTDIC150

Tgt Ion: 73 Resp: 3092061

Ion Ratio Lower Upper

73 100

57 21.5 16.8 25.2



#20

Methylene Chloride

Concen: 173.16 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Tgt Ion: 84 Resp: 1135980

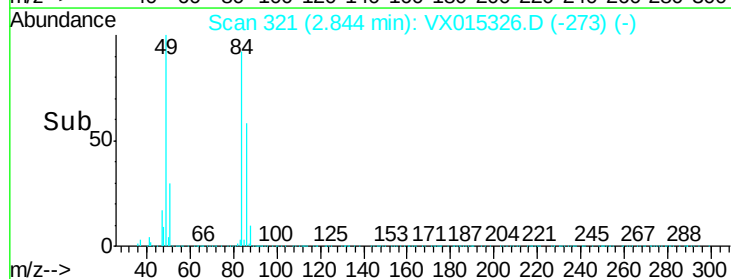
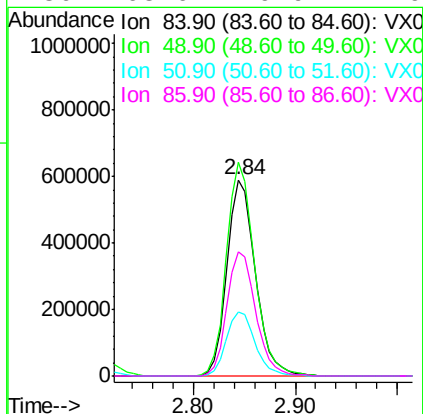
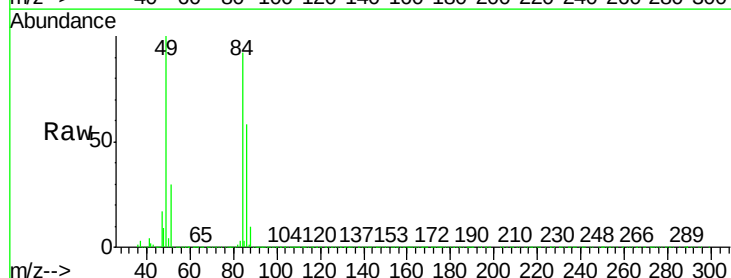
Ion Ratio Lower Upper

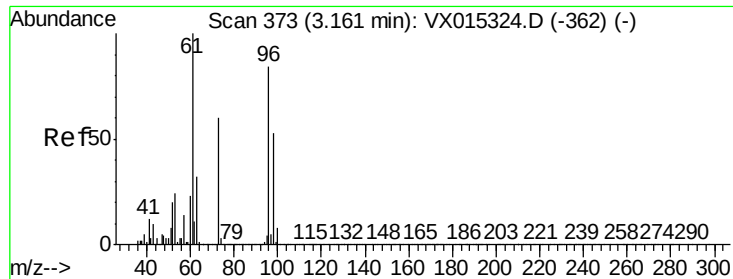
84 100

49 108.9 84.0 126.0

51 32.9 27.0 40.6

86 63.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 183.83 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

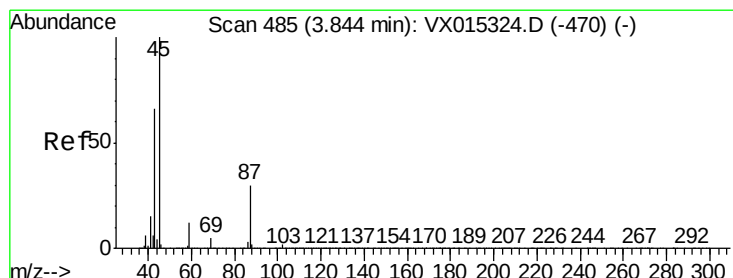
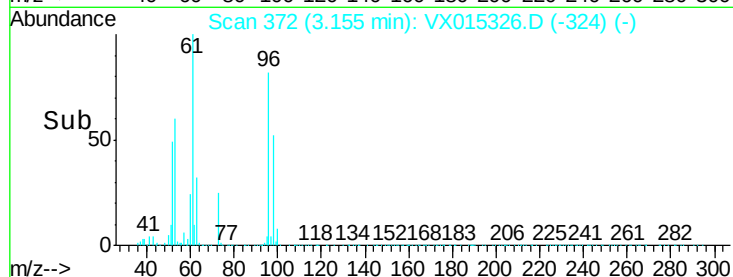
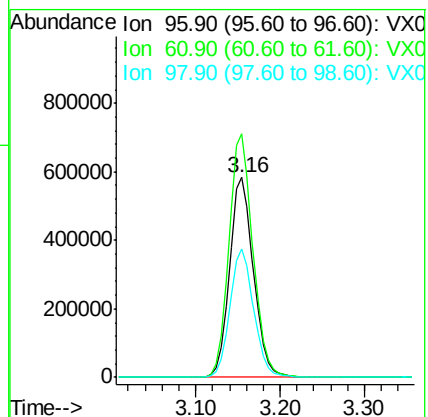
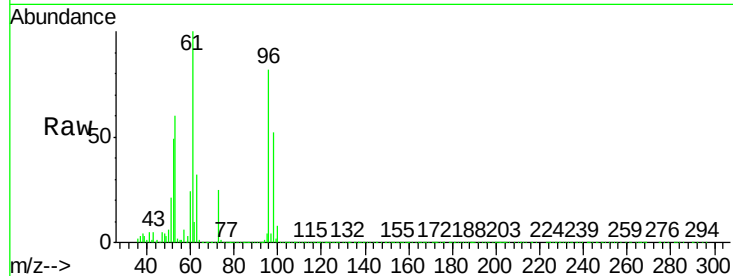
Tgt Ion: 96 Resp: 1122695

Ion Ratio Lower Upper

96 100

61 121.7 95.5 143.3

98 63.9 50.2 75.2



#22

Diisopropyl ether

Concen: 166.00 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Tgt Ion: 45 Resp: 3189964

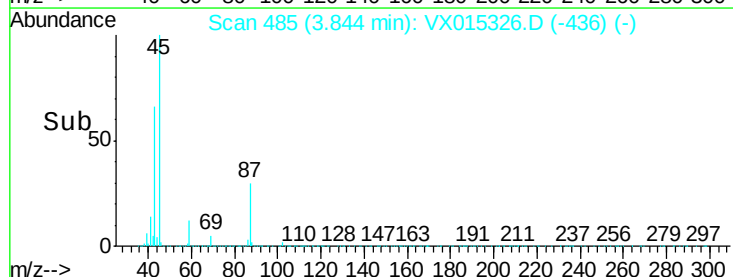
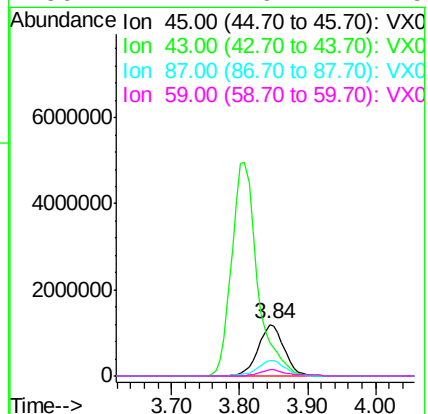
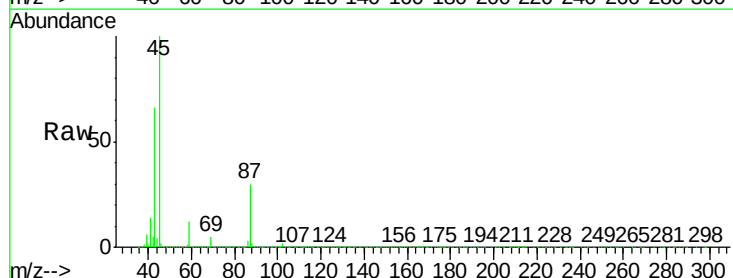
Ion Ratio Lower Upper

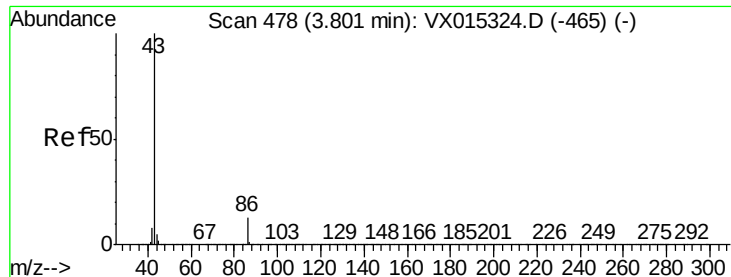
45 100

43 65.8 52.8 79.2

87 30.0 24.3 36.5

59 12.1 9.7 14.5





#23

Vinyl Acetate

Concen: 831.85 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampled :

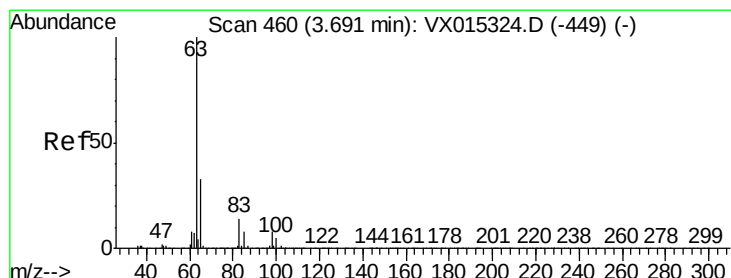
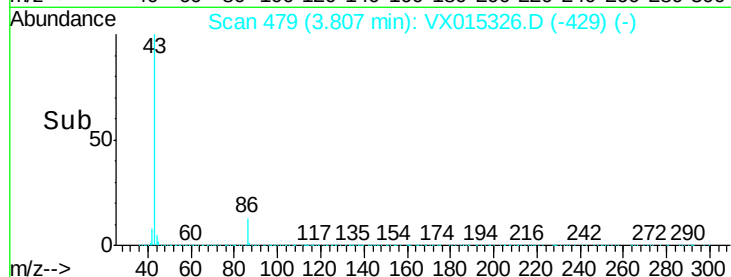
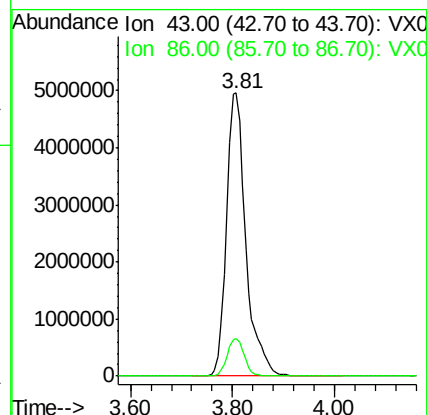
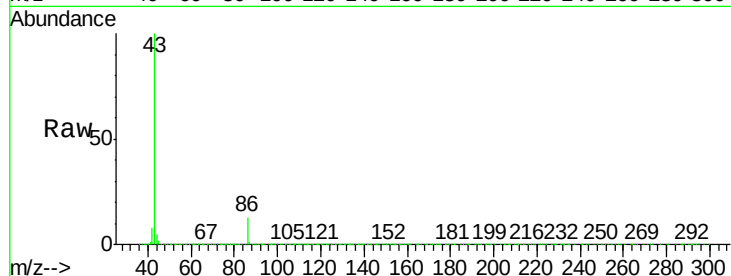
VSTDIC150

Tgt Ion: 43 Resp:13069389

Ion Ratio Lower Upper

43 100

86 13.3 10.1 15.1



#24

1,1-Dichloroethane

Concen: 169.02 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

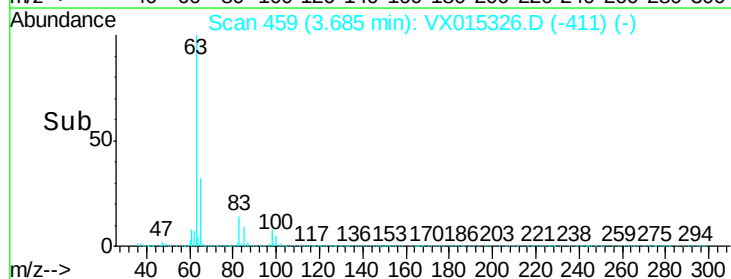
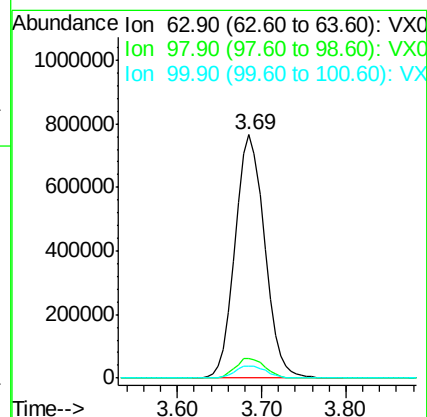
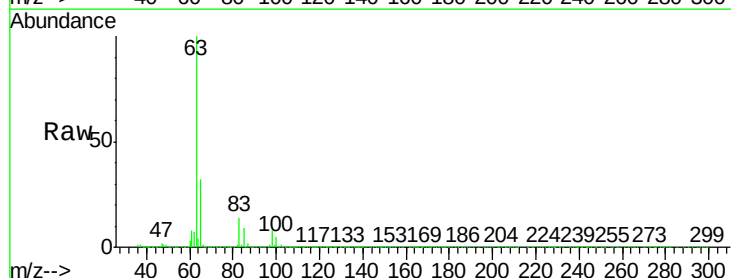
Tgt Ion: 63 Resp: 1821394

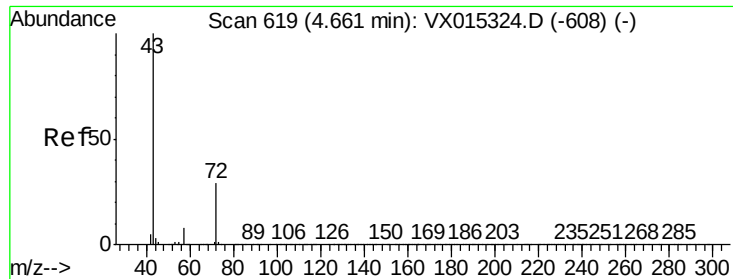
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 858.16 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

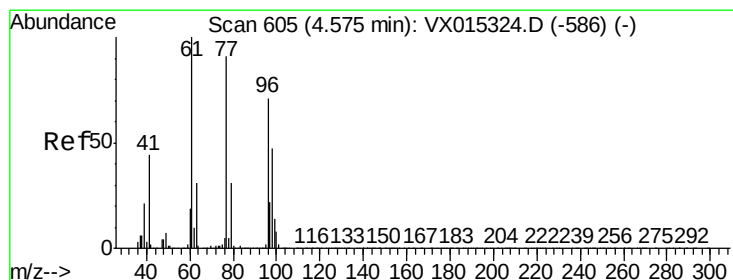
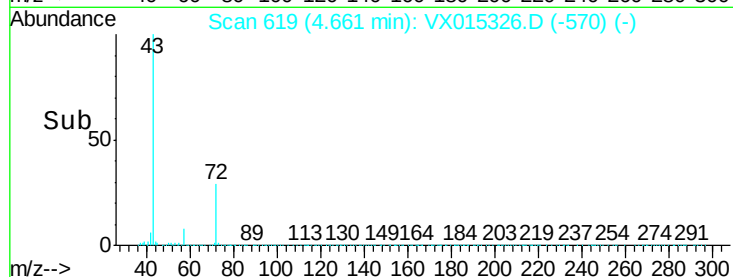
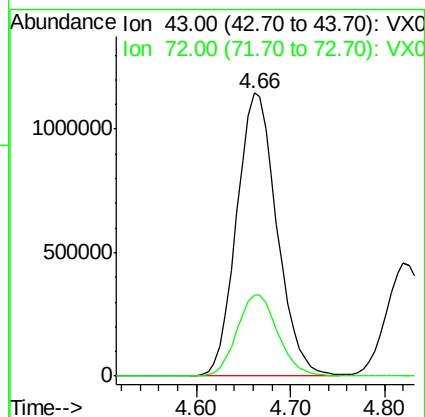
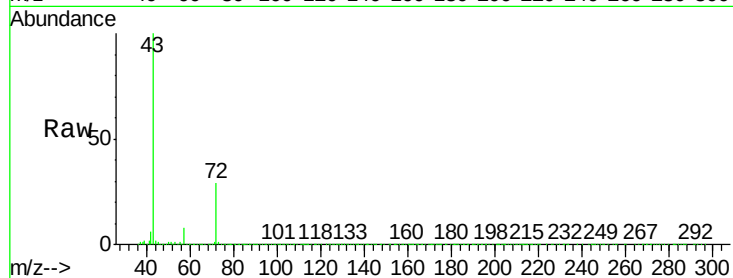
VSTDIC150

Tgt Ion: 43 Resp: 3408628

Ion Ratio Lower Upper

43 100

72 28.7 23.1 34.7



#26

2,2-Dichloropropane

Concen: 171.88 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015326.D

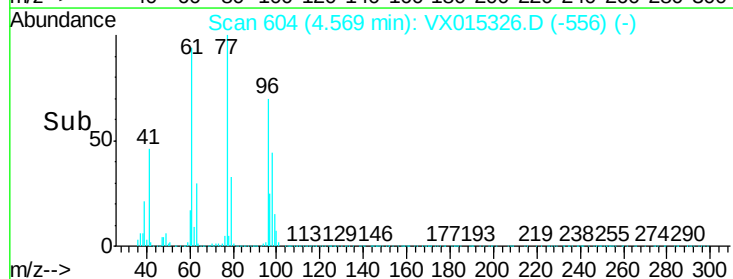
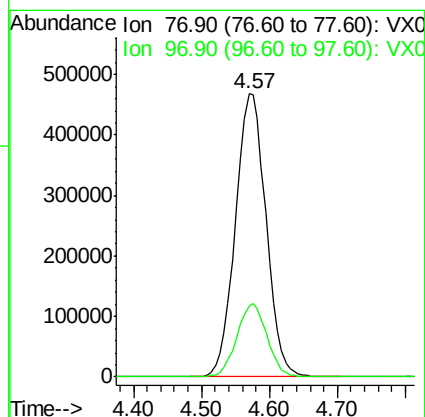
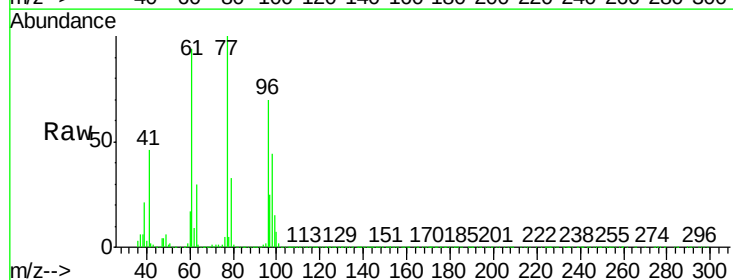
Acq: 18 Mar 2020 14:32

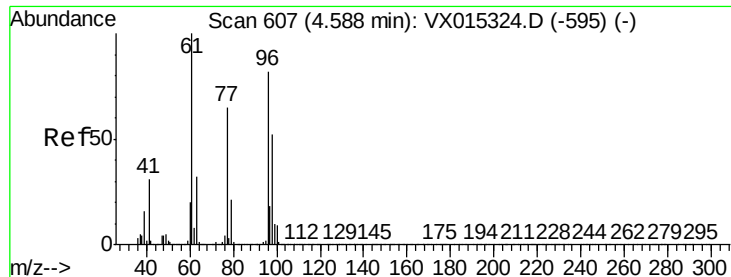
Tgt Ion: 77 Resp: 1458466

Ion Ratio Lower Upper

77 100

97 25.6 13.0 38.9



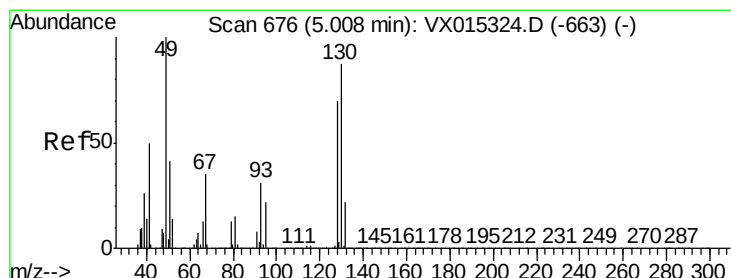
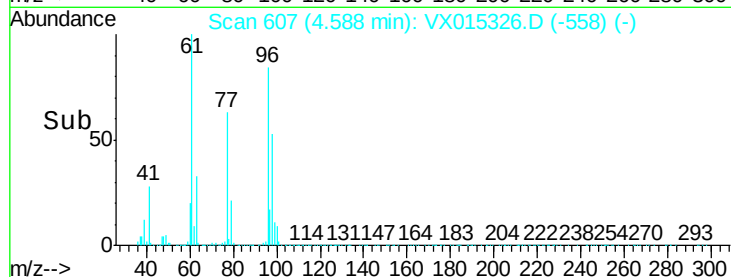
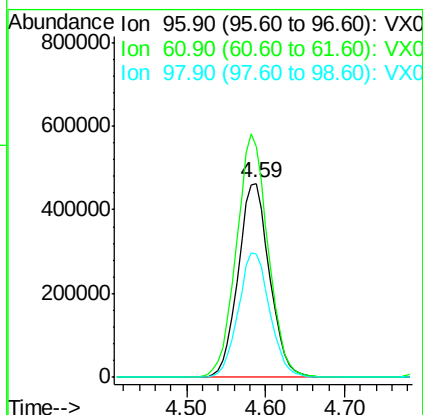
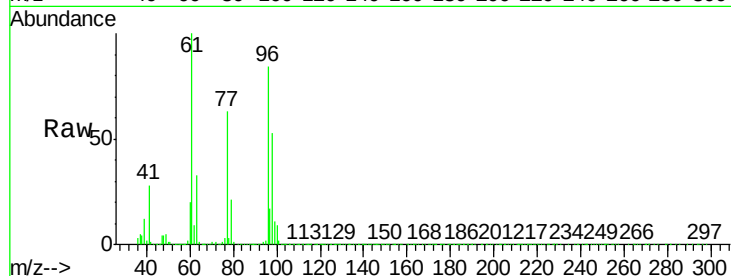


#27

cis-1,2-Dichloroethene
Concen: 189.53 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

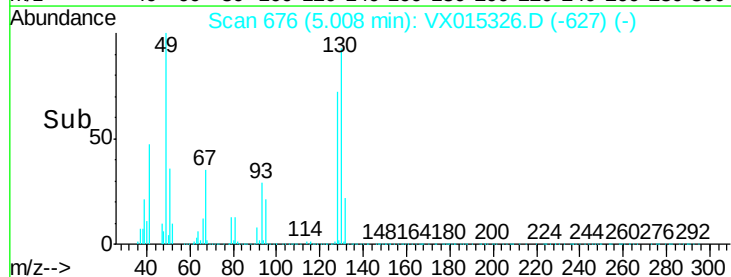
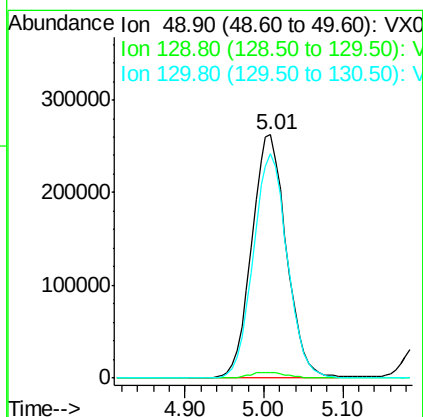
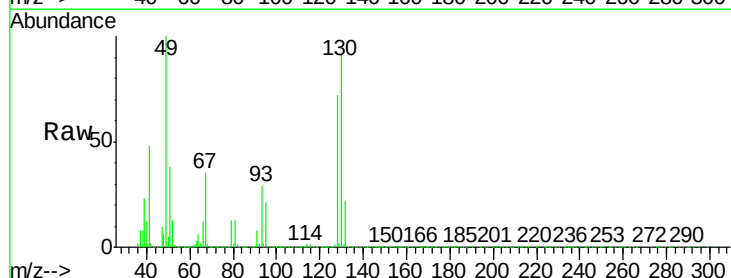
Tgt Ion: 96 Resp: 1284066
Ion Ratio Lower Upper
96 100
61 126.2 0.0 255.8
98 64.5 0.0 128.8

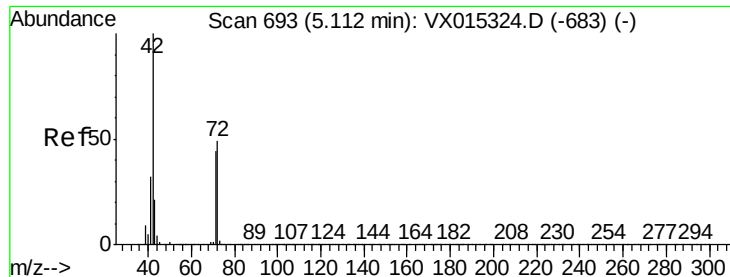


#28

Bromochloromethane
Concen: 165.93 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 49 Resp: 799248
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.4
130 90.9 69.9 104.9





#29

Tetrahydrofuran

Concen: 866.88 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

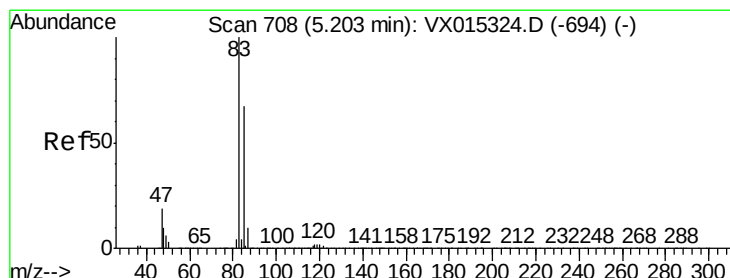
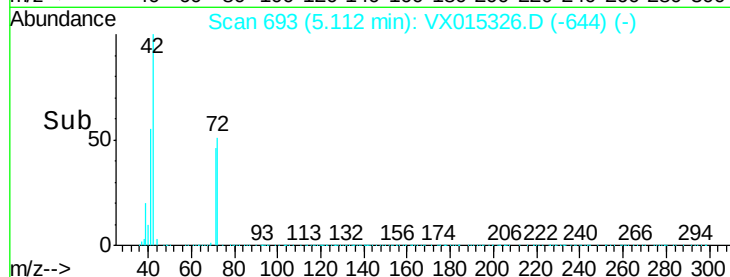
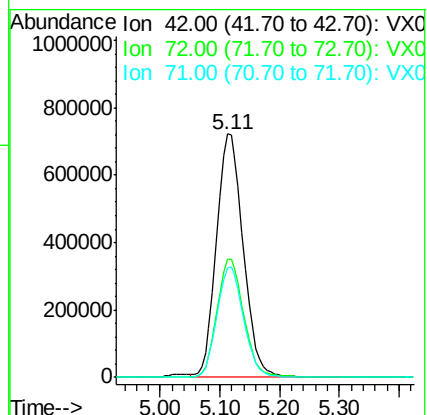
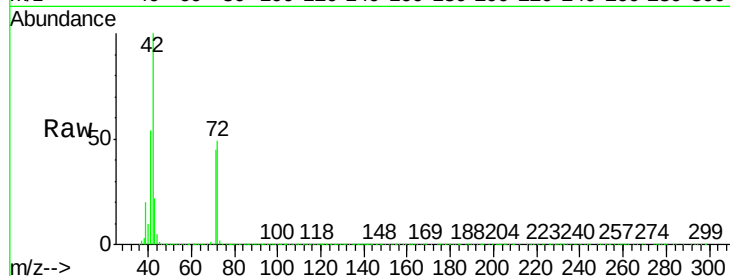
Tgt Ion: 42 Resp: 2241565

Ion Ratio Lower Upper

42 100

72 48.8 39.6 59.4

71 45.1 36.5 54.7



#30

Chloroform

Concen: 175.48 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX015326.D

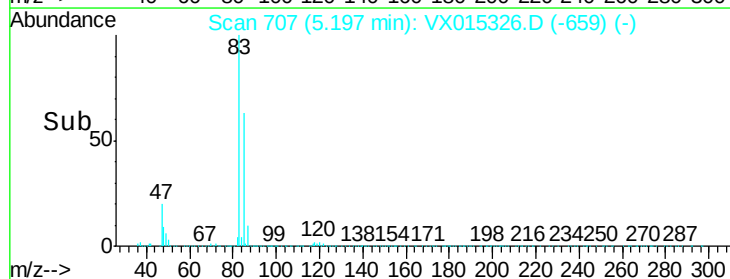
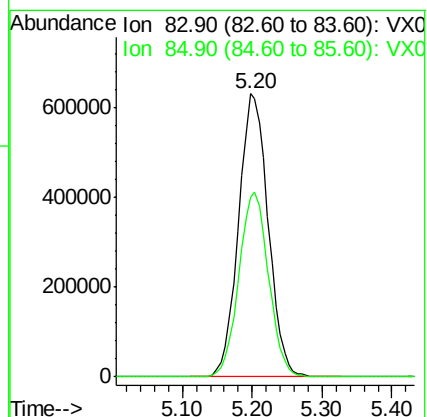
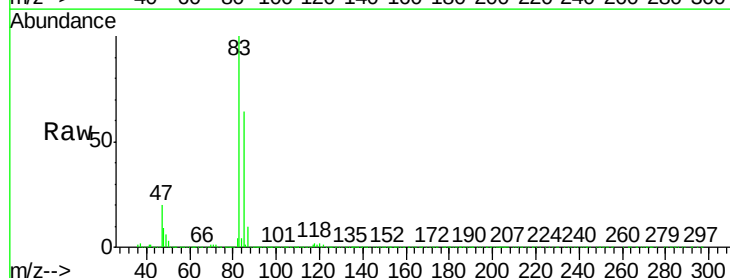
Acq: 18 Mar 2020 14:32

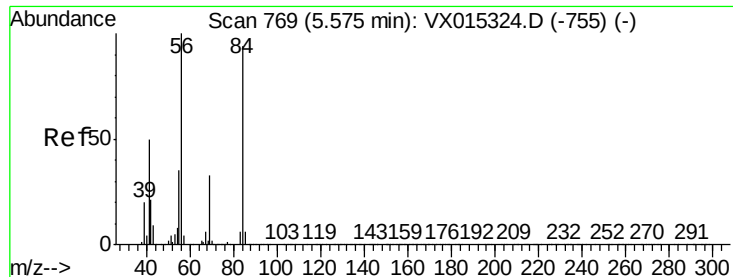
Tgt Ion: 83 Resp: 1853518

Ion Ratio Lower Upper

83 100

85 63.7 53.8 80.6

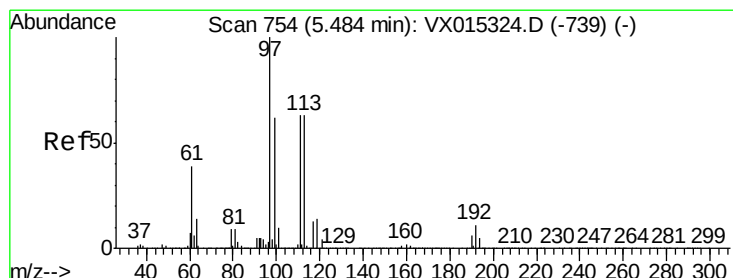
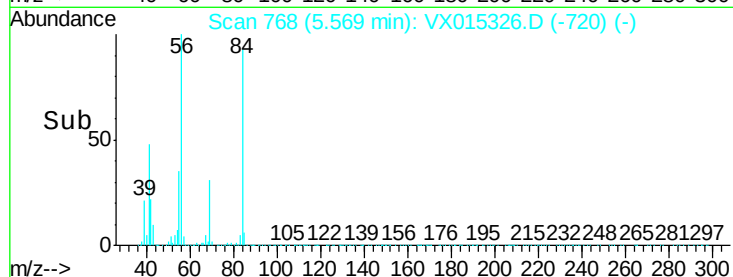
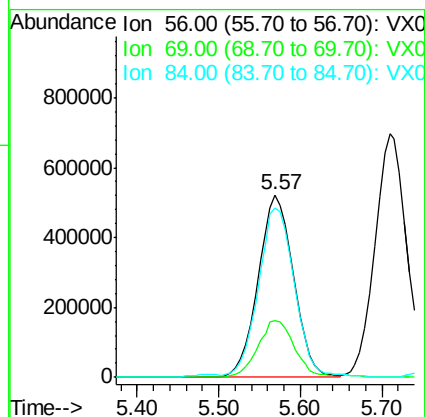
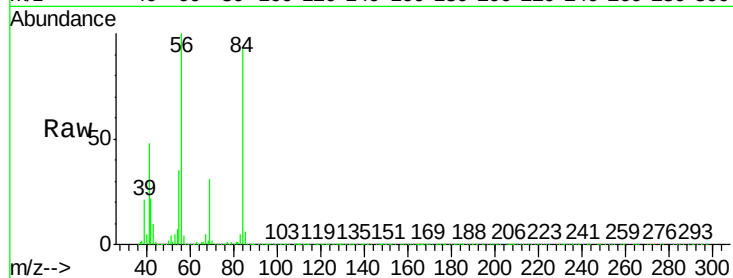




#31
Cyclohexane
Concen: 163.17 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

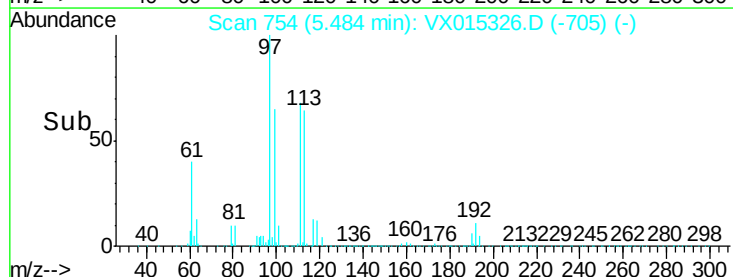
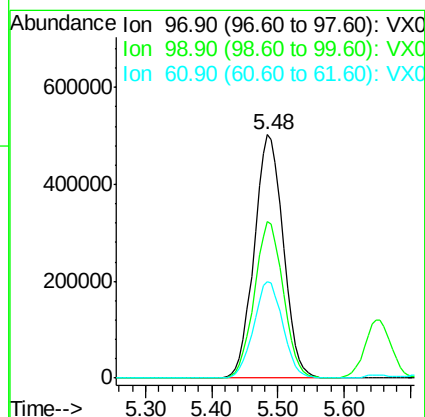
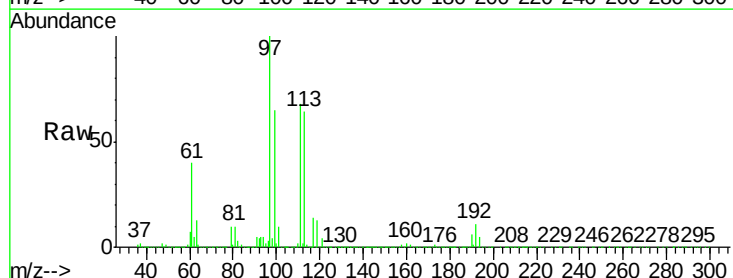
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

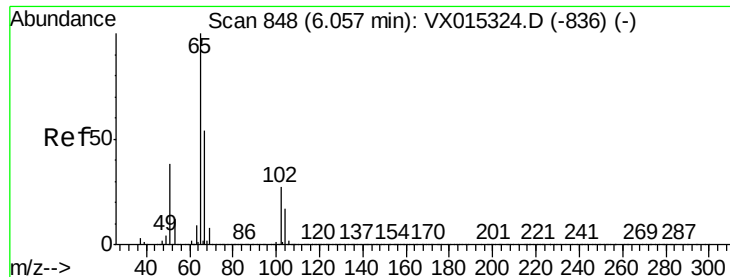
Tgt Ion: 56 Resp: 1571812
Ion Ratio Lower Upper
56 100
69 31.1 26.2 39.4
84 92.3 75.2 112.8



#32
1,1,1-Trichloroethane
Concen: 174.33 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 97 Resp: 1534706
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 39.9 31.7 47.5

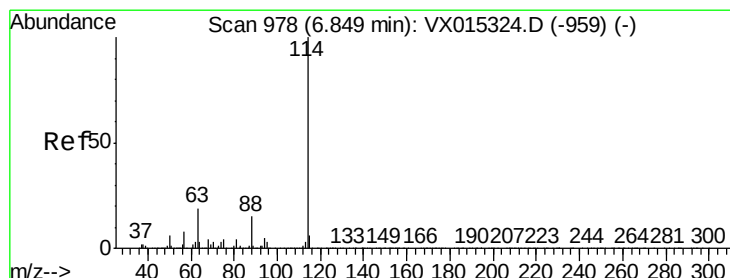
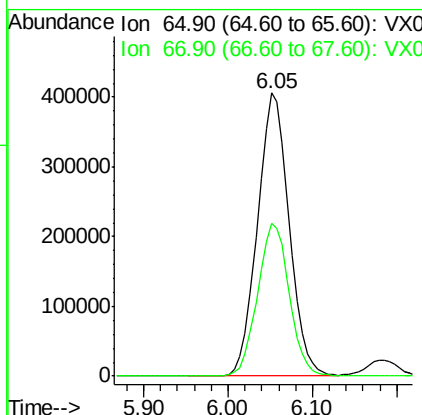
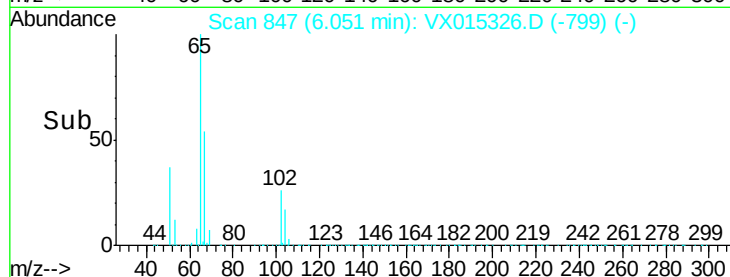
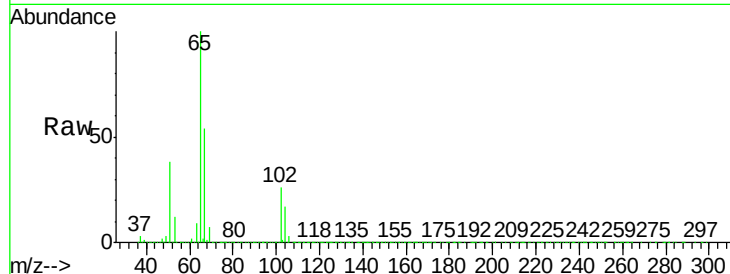




#33
 1,2-Dichloroethane-d4
 Concen: 156.37 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

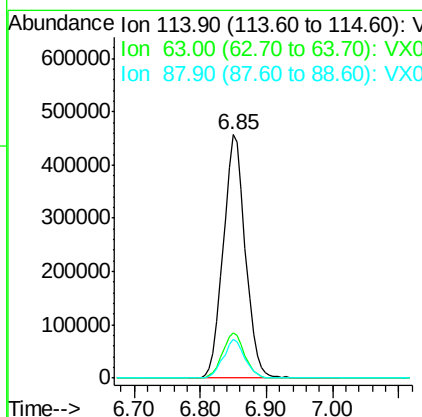
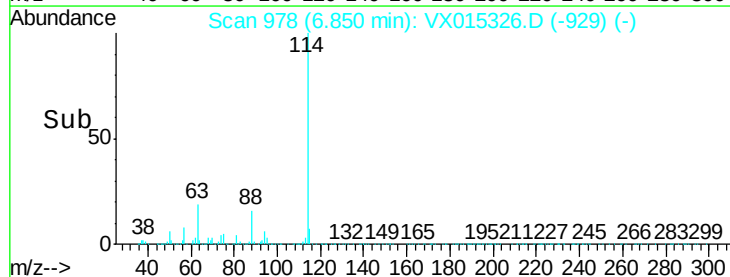
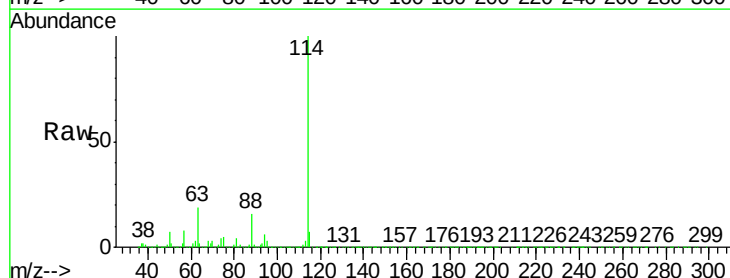
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

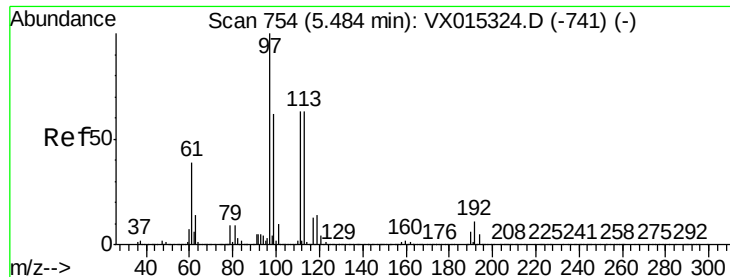
Tgt Ion: 65 Resp: 1046725
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion: 114 Resp: 1059443
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.4
 88 15.6 0.0 30.0

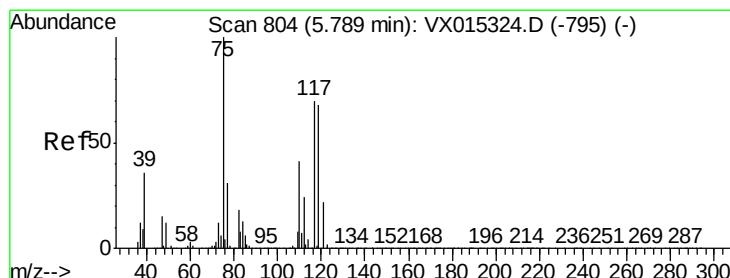
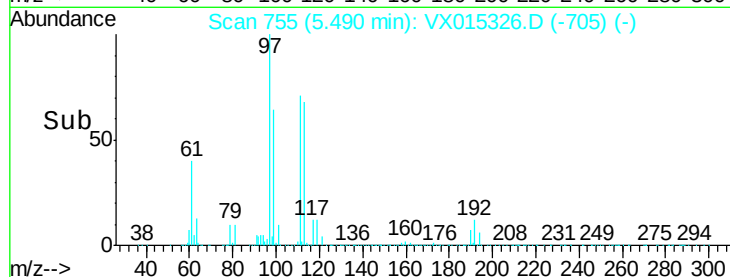
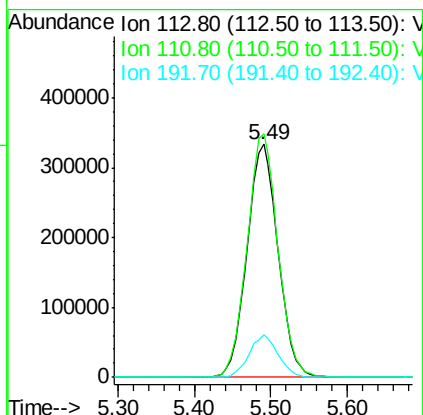
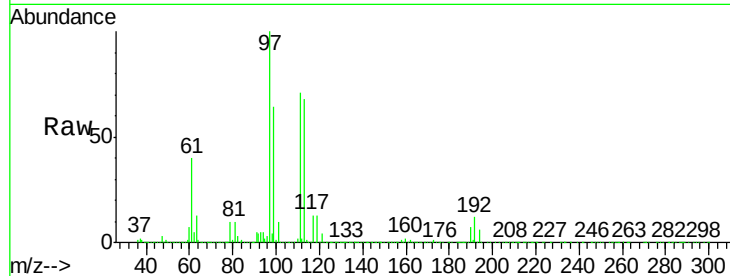




#35
Dibromofluoromethane
Concen: 140.32 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

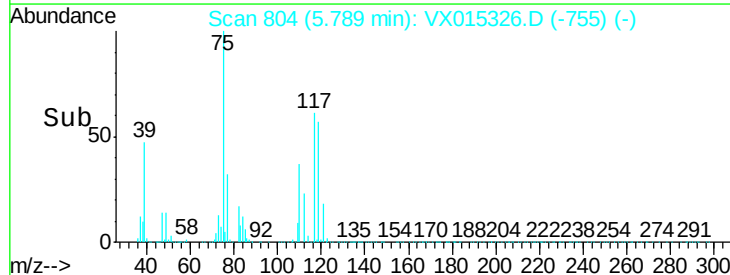
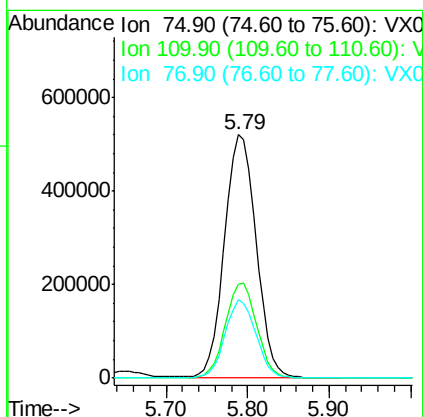
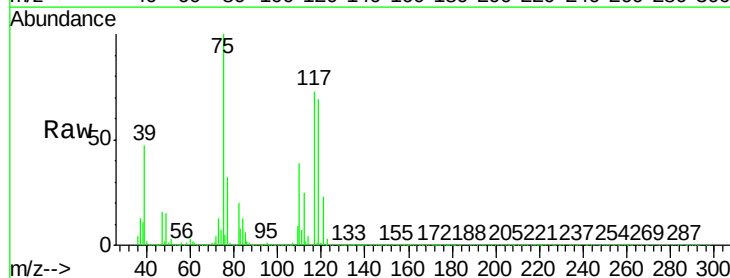
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

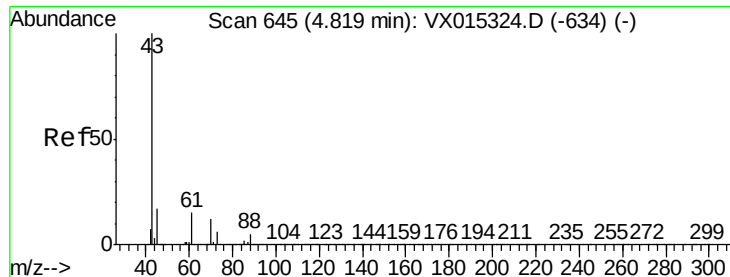
Tgt Ion:113 Resp: 942803
Ion Ratio Lower Upper
113 100
111 104.0 82.5 123.7
192 17.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 142.16 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 75 Resp: 1398513
Ion Ratio Lower Upper
75 100
110 38.7 19.4 58.4
77 31.0 24.6 37.0

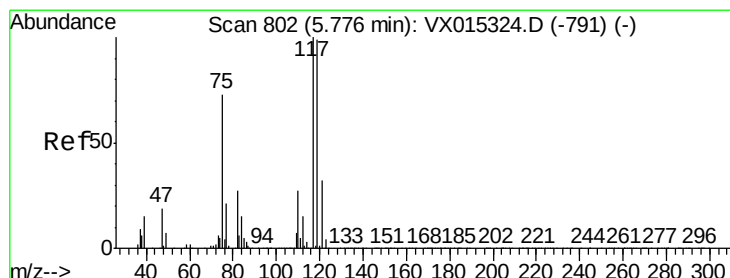
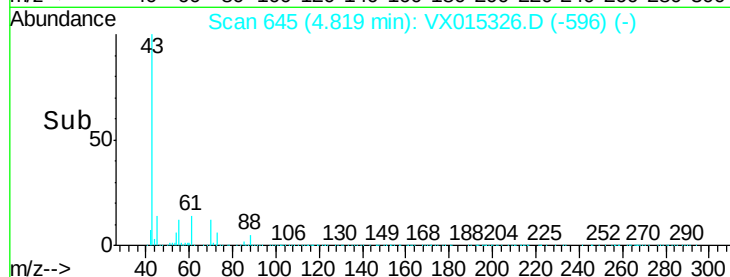
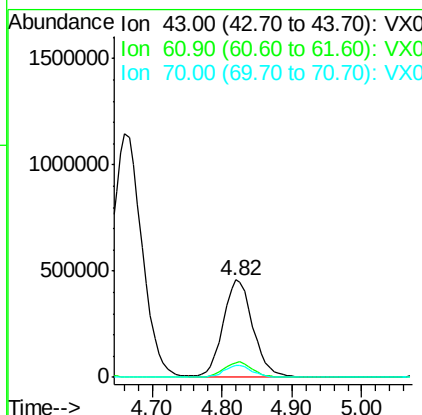
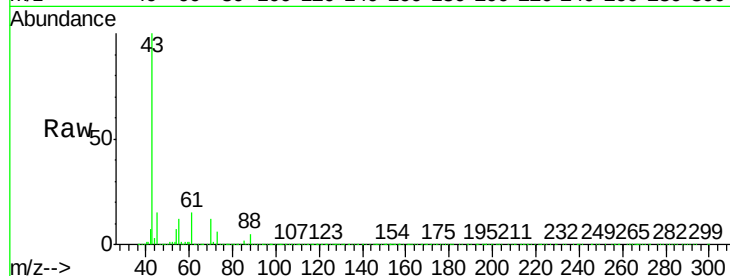




#37
Ethyl Acetate
Concen: 150.94 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

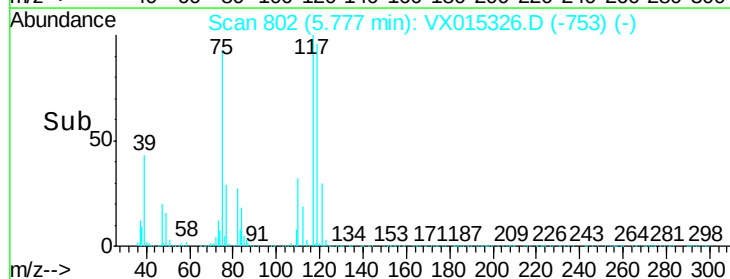
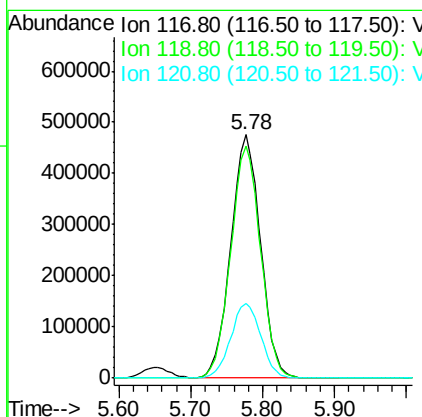
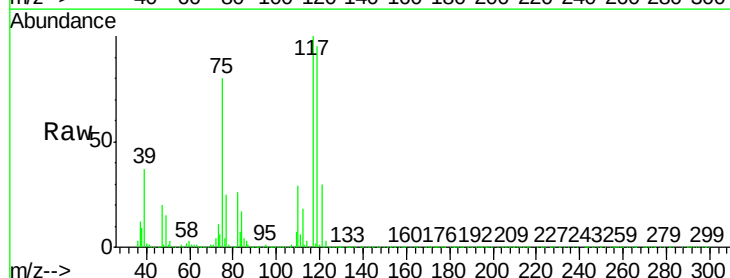
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

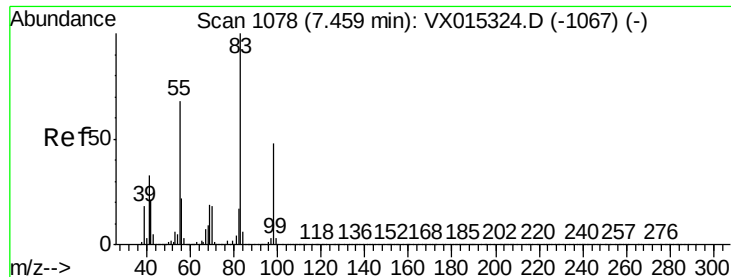
Tgt Ion: 43 Resp: 1354684
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 11.7 9.8 14.6



#38
Carbon Tetrachloride
Concen: 146.11 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 117 Resp: 1360616
Ion Ratio Lower Upper
117 100
119 95.4 79.3 118.9
121 30.5 25.4 38.0



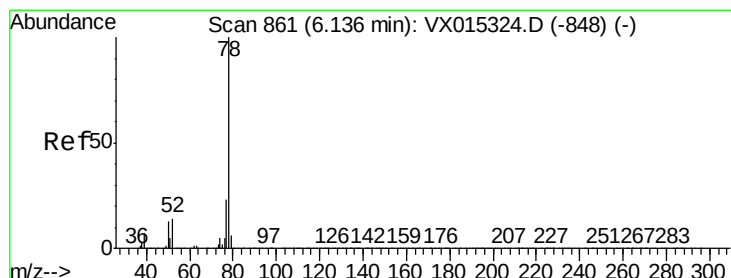
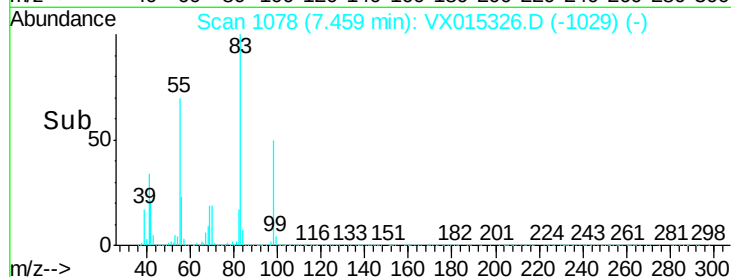
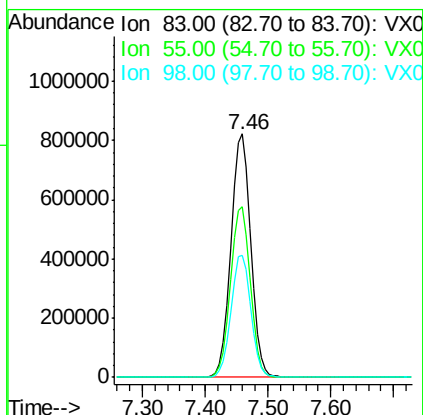
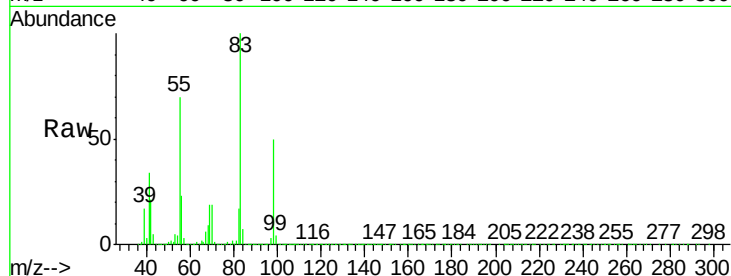


#39
Methylcyclohexane
Concen: 155.39 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 1795207

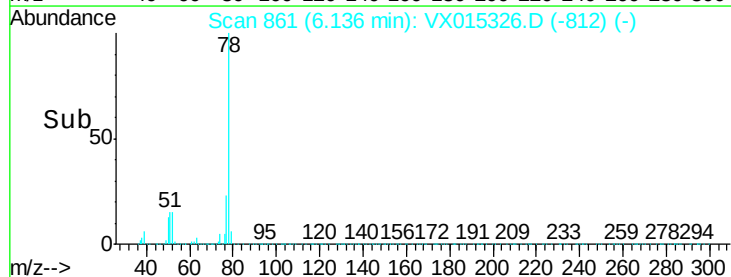
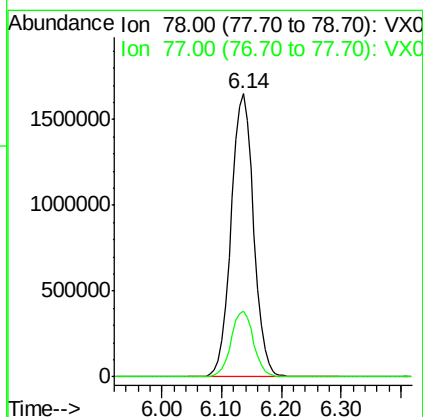
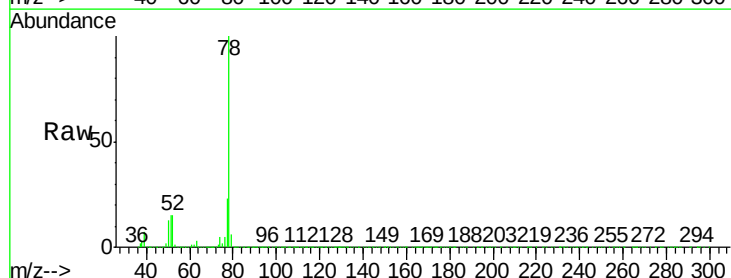
Ion	Ratio	Lower	Upper
83	100		
55	69.8	54.8	82.2
98	50.3	38.8	58.2

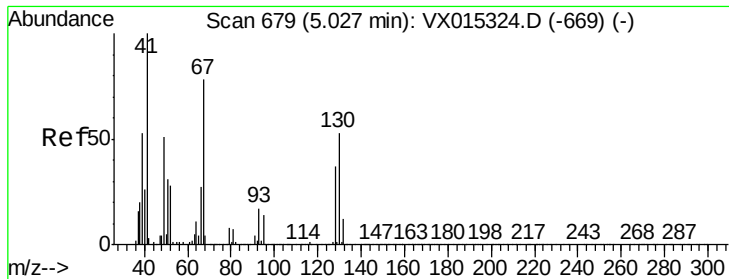


#40
Benzene
Concen: 147.36 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 78 Resp: 4320315

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.4

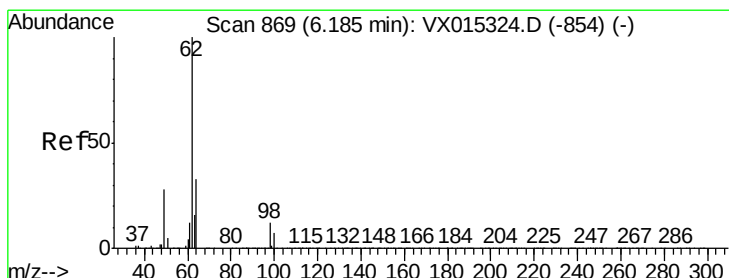
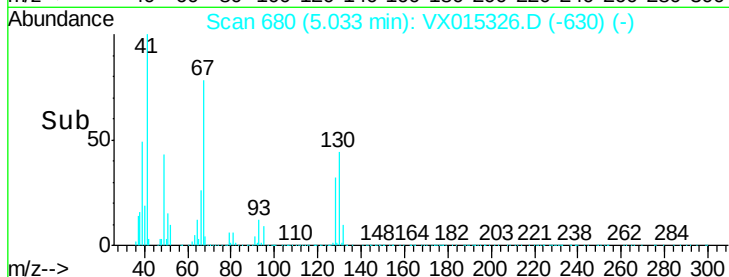
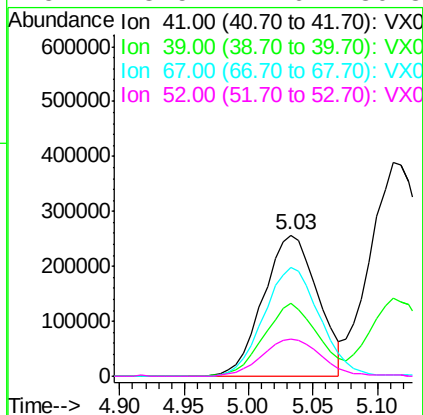
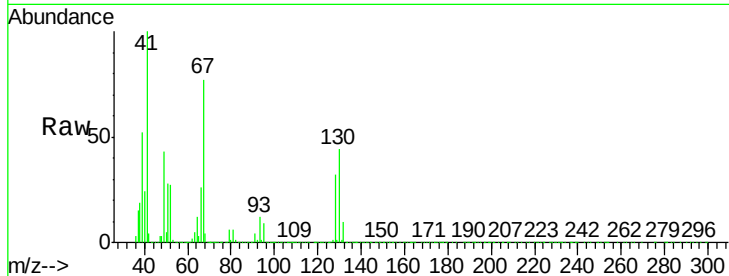




#41
Methacrylonitrile
Concen: 140.39 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

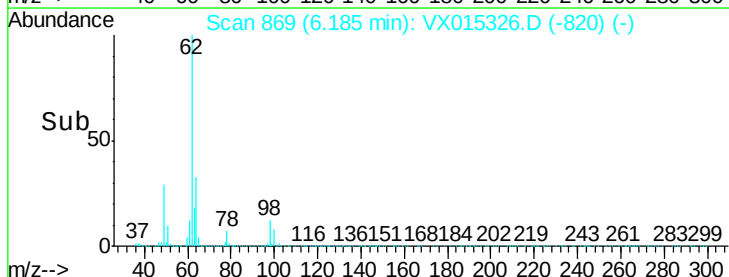
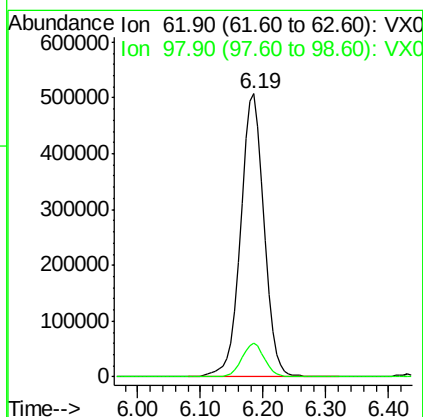
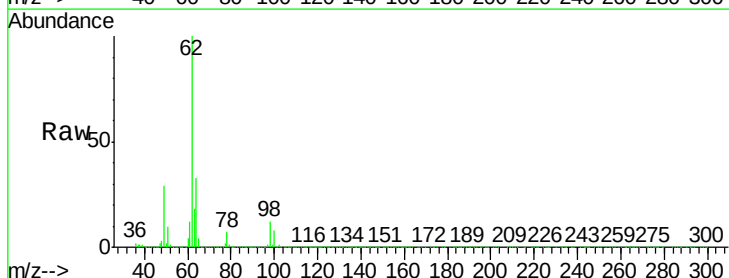
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

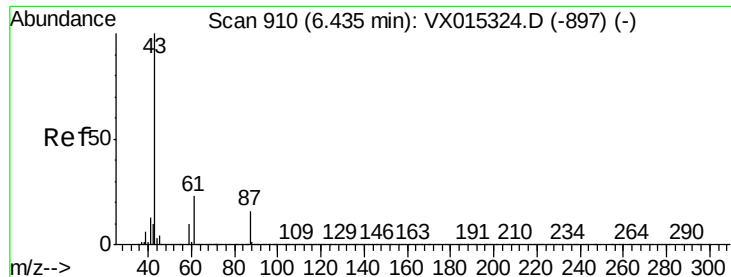
Tgt Ion:	41	Resp:	753505
Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.0	64.6
67	79.3	66.0	99.0
52	28.5	24.6	36.8



#42
1,2-Dichloroethane
Concen: 132.85 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion:	62	Resp:	1307764
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	22.6





#43

Isopropyl Acetate

Concen: 137.69 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

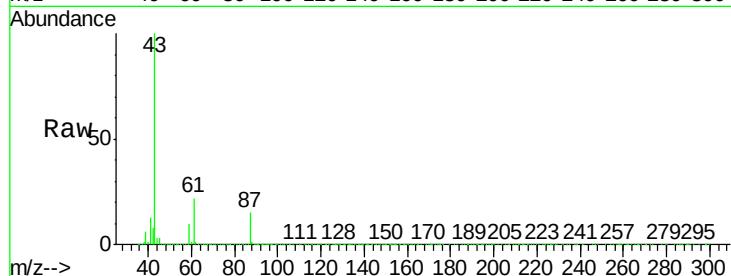
Tgt Ion: 43 Resp: 2156647

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.2

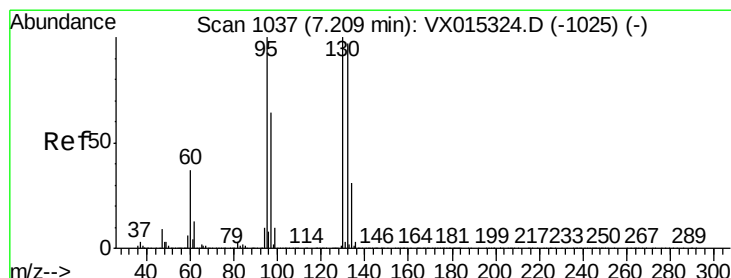
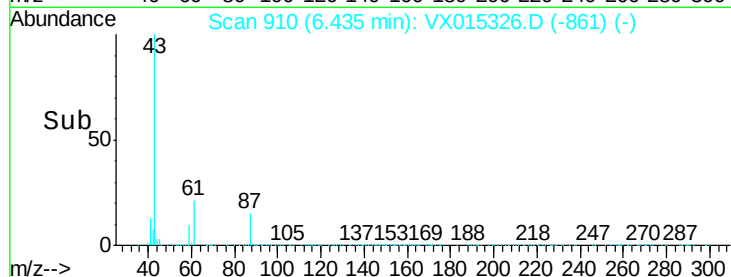
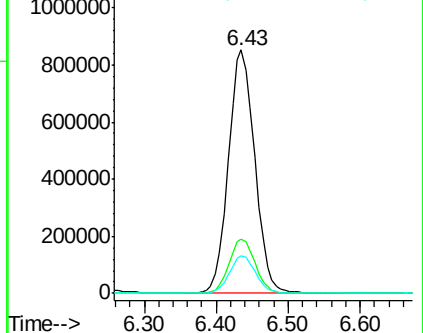
87 15.5 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 150.79 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015326.D

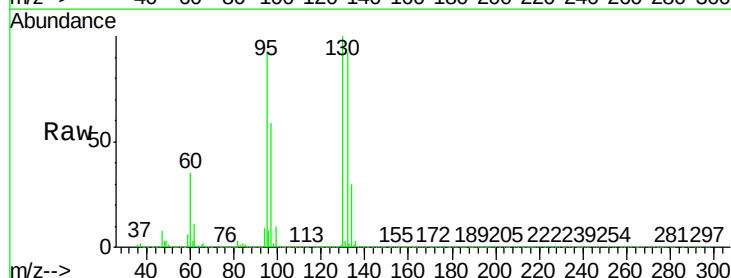
Acq: 18 Mar 2020 14:32

Tgt Ion: 130 Resp: 1220634

Ion Ratio Lower Upper

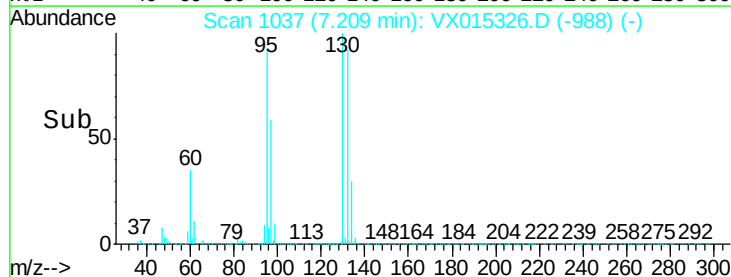
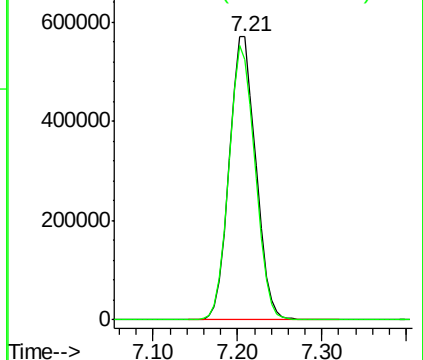
130 100

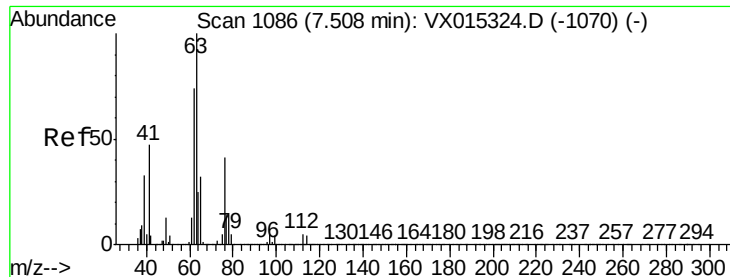
95 91.8 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 142.80 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

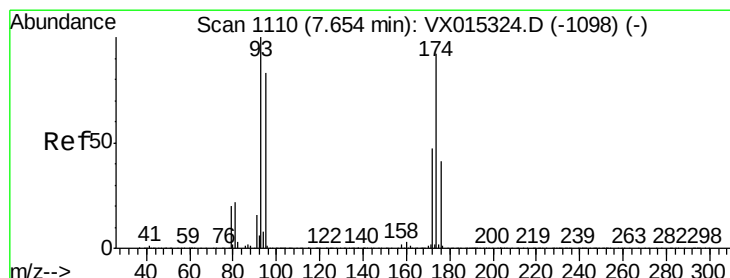
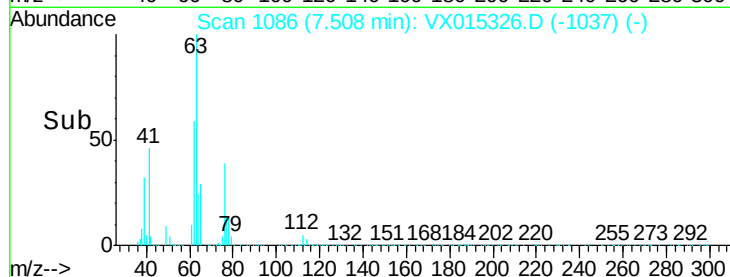
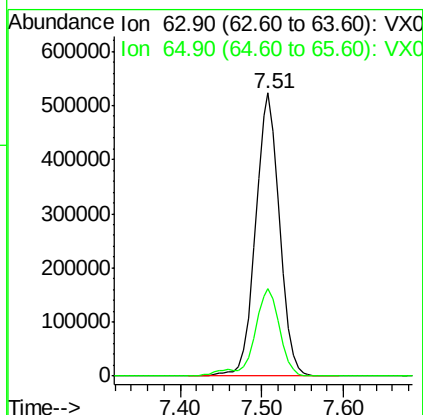
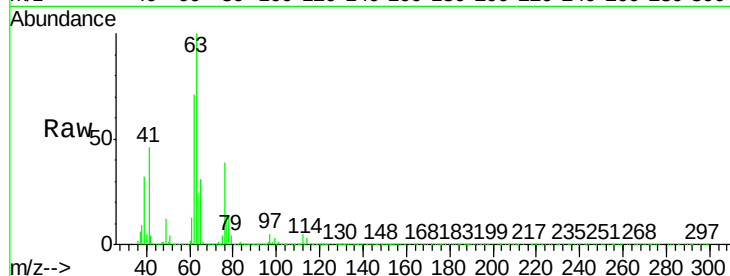
VSTDIC150

Tgt Ion: 63 Resp: 1072771

Ion Ratio Lower Upper

63 100

65 30.9 25.1 37.7



#46

Dibromomethane

Concen: 148.99 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

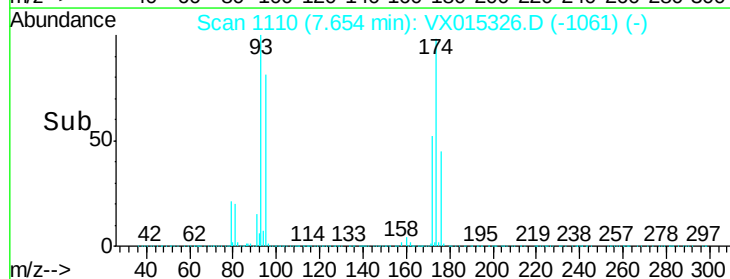
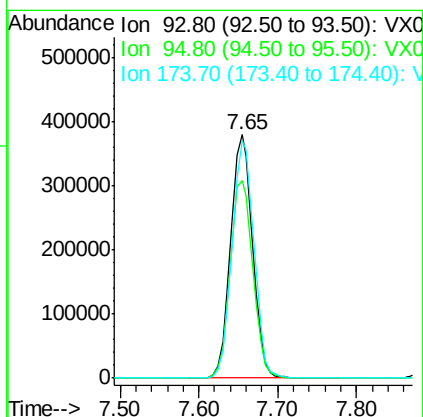
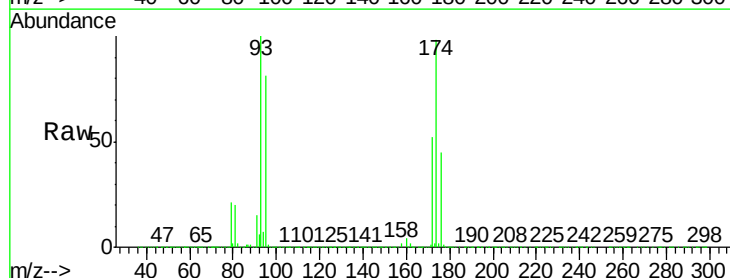
Tgt Ion: 93 Resp: 735338

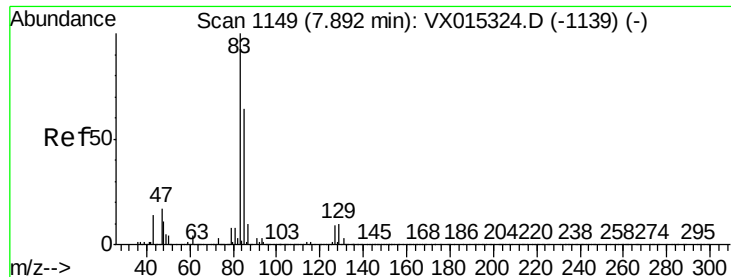
Ion Ratio Lower Upper

93 100

95 83.7 66.3 99.5

174 97.5 74.2 111.2





#47

Bromodichloromethane

Concen: 149.24 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

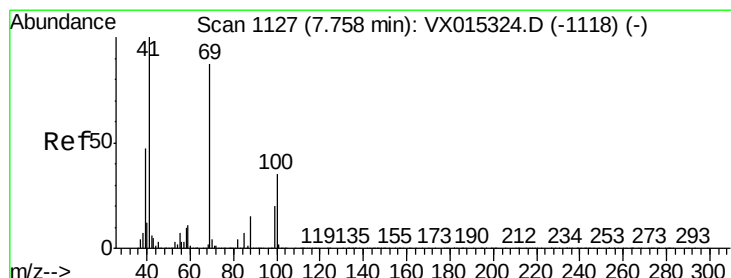
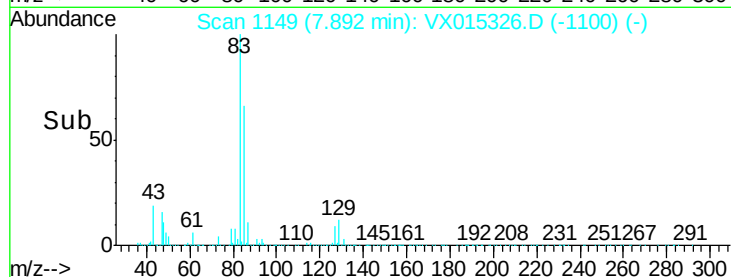
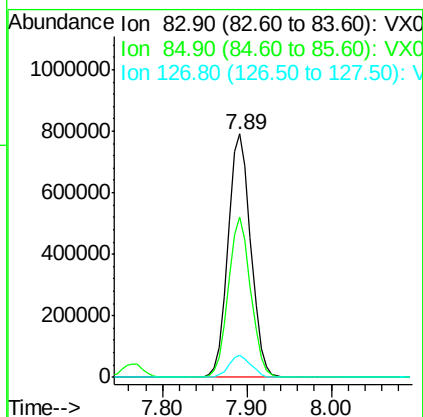
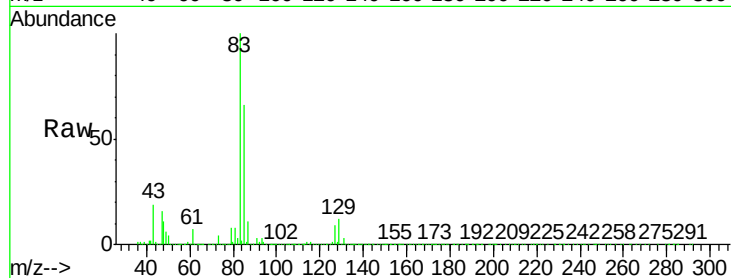
Tgt Ion: 83 Resp: 1449625

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.6

127 9.0 7.2 10.8



#48

Methyl methacrylate

Concen: 136.52 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

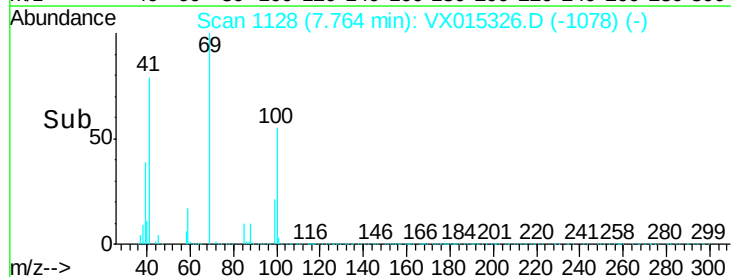
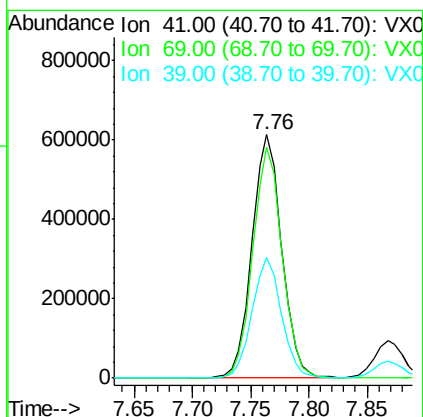
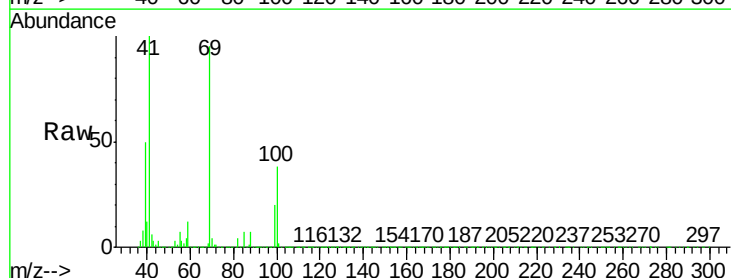
Tgt Ion: 41 Resp: 1089216

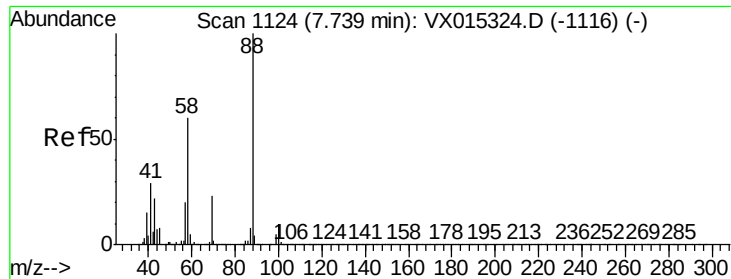
Ion Ratio Lower Upper

41 100

69 94.0 74.4 111.6

39 48.8 39.2 58.8

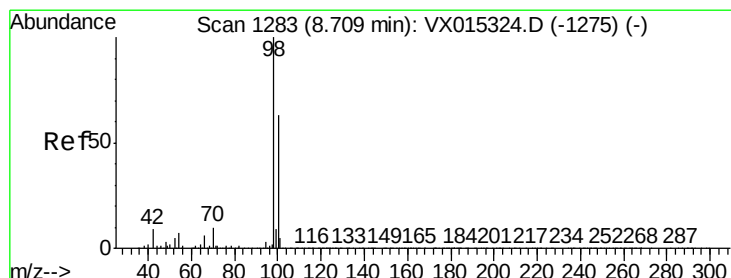
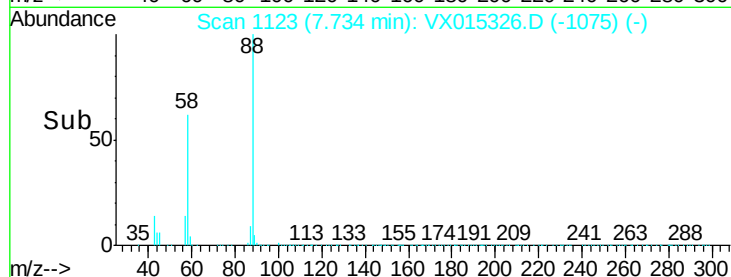
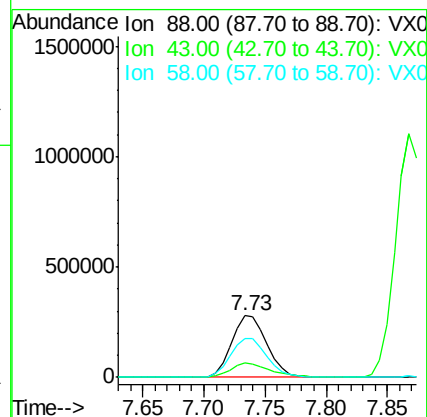
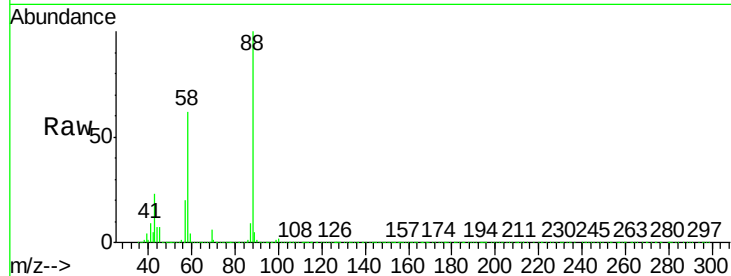




#49
1,4-Dioxane
Concen: 3090.65 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

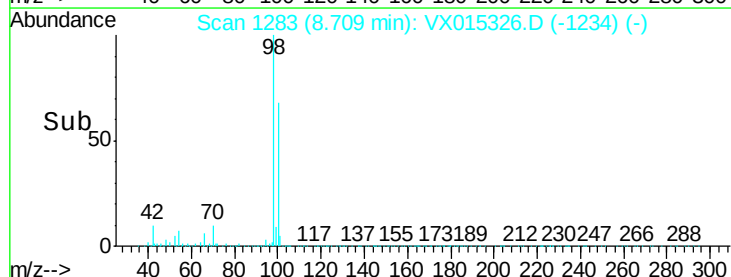
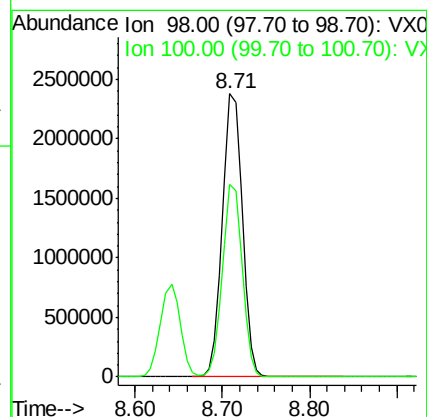
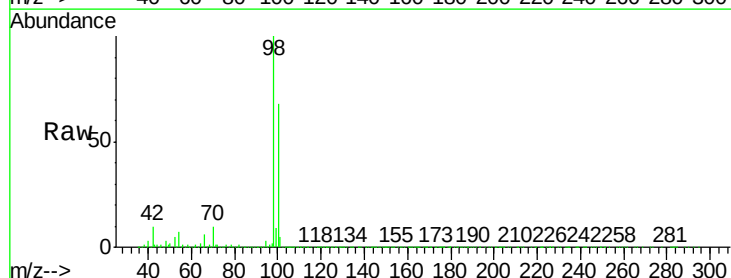
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

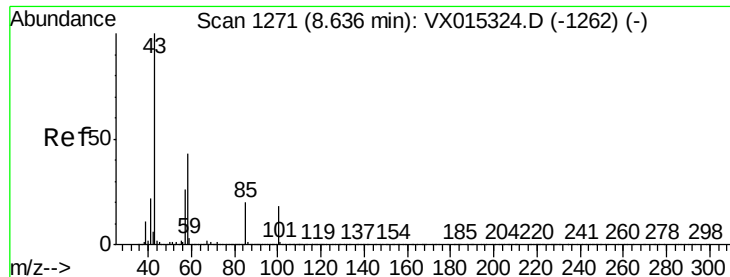
Tgt Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.7	31.1
58	65.3	53.9	80.9



#50
Toluene-d8
Concen: 148.12 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.6

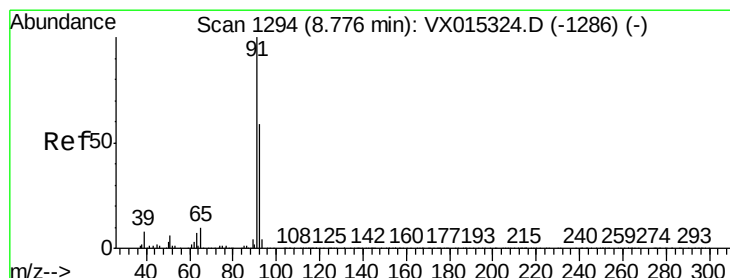
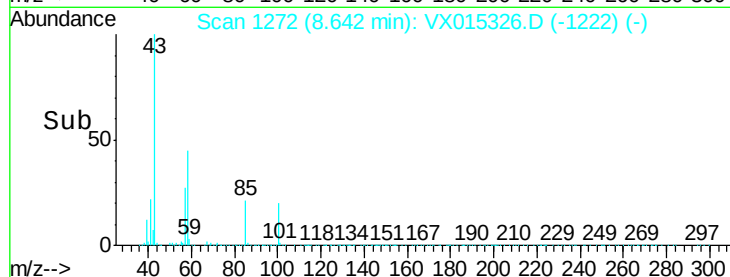
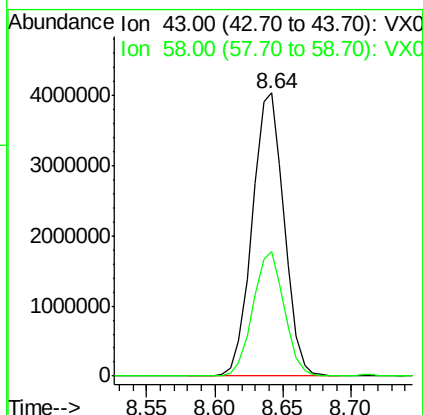
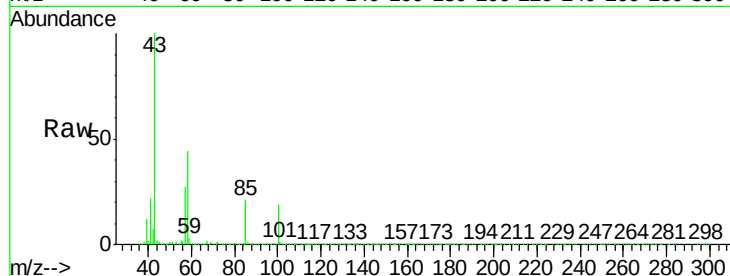




#51
4-Methyl-2-Pentanone
Concen: 711.33 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

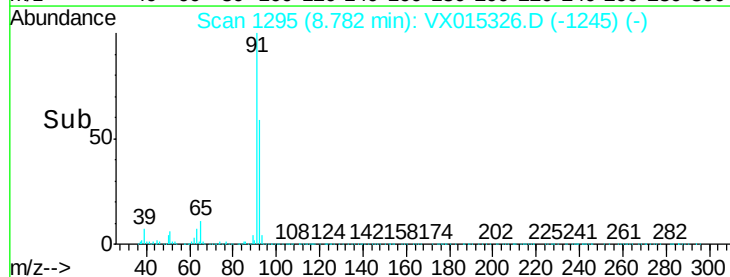
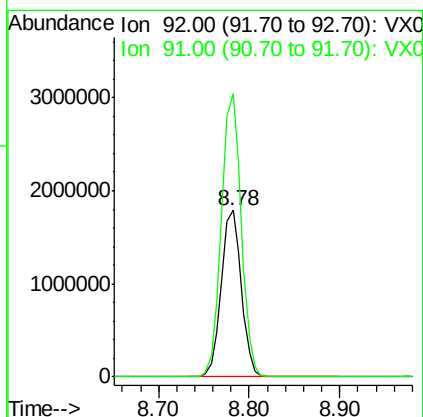
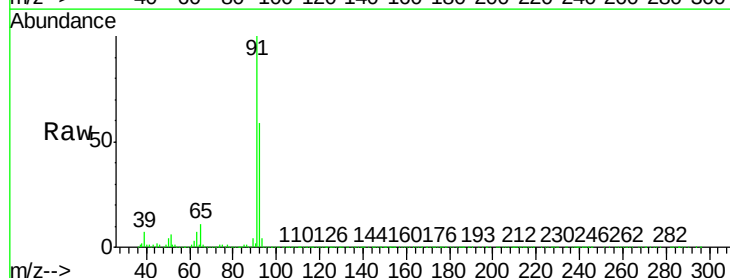
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

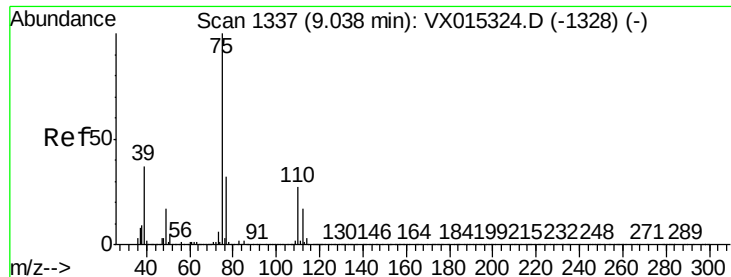
Tgt Ion: 43 Resp: 6616184
Ion Ratio Lower Upper
43 100
58 43.2 34.6 51.8



#52
Toluene
Concen: 153.36 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 92 Resp: 2749492
Ion Ratio Lower Upper
92 100
91 169.3 136.4 204.6

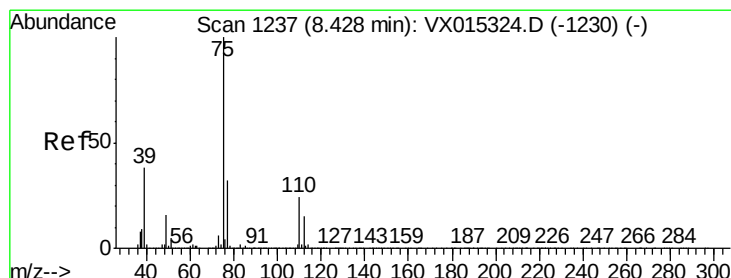
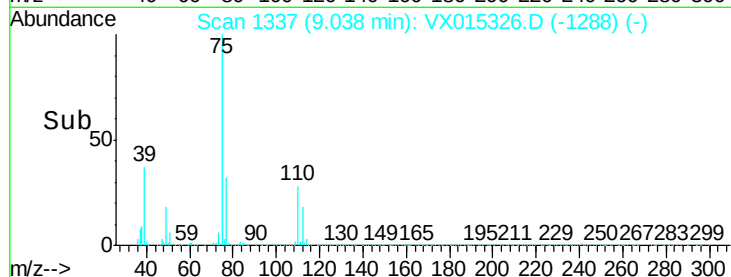
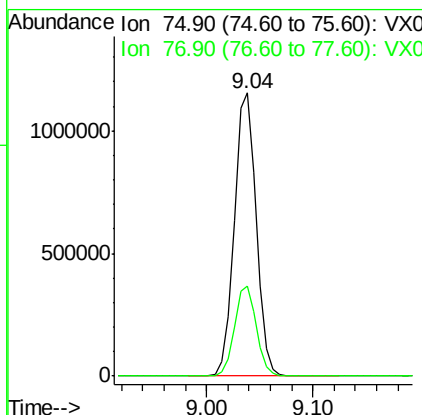
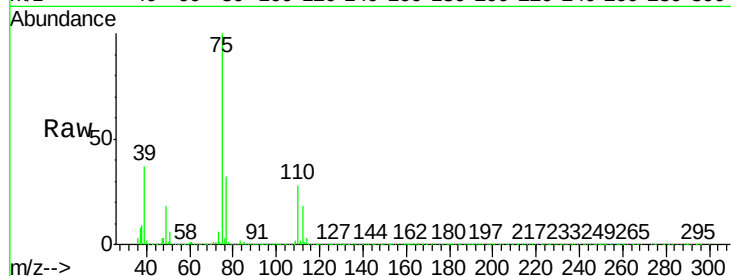




#53
t-1,3-Dichloropropene
Concen: 162.09 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

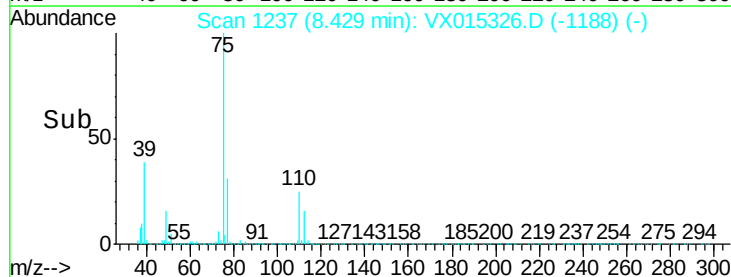
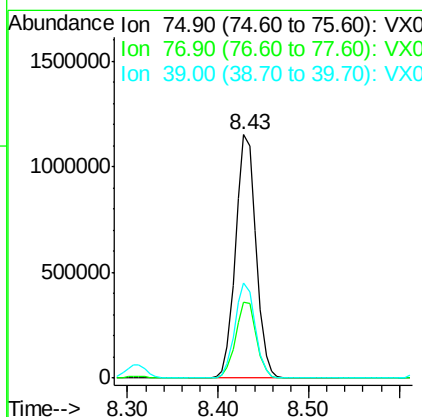
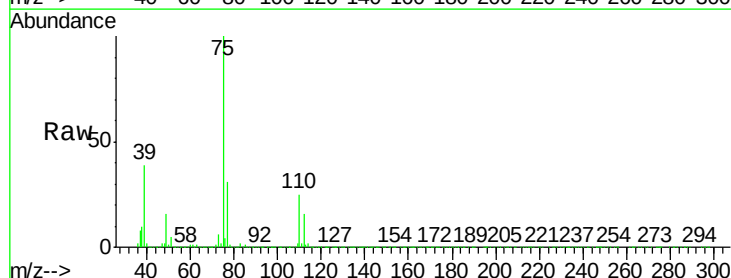
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

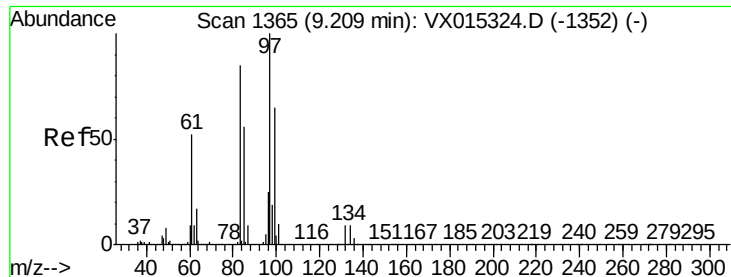
Tgt Ion: 75 Resp: 1665529
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 153.95 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 75 Resp: 1800436
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 38.9 30.2 45.2



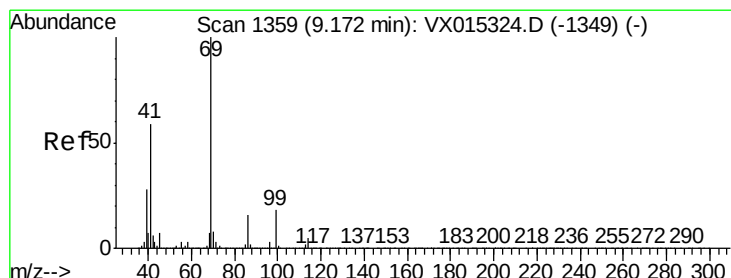
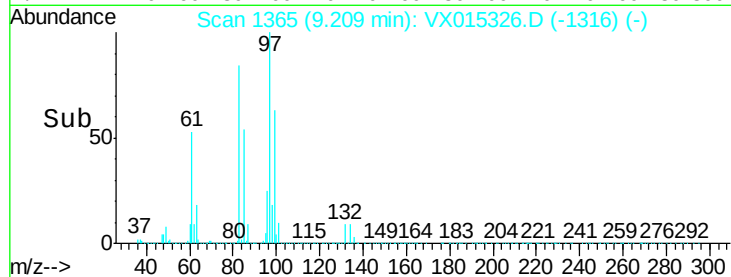
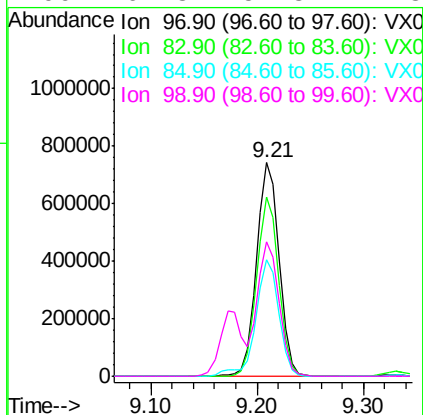
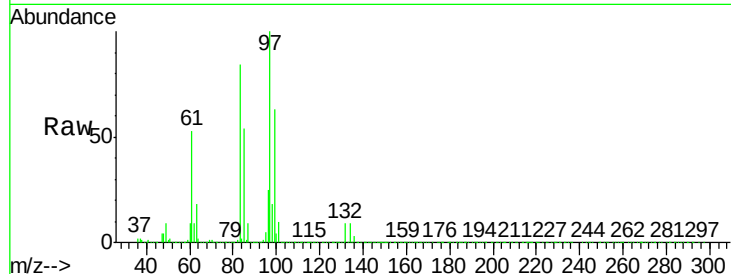


#55
 1,1,2-Trichloroethane
 Concen: 149.51 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1105912

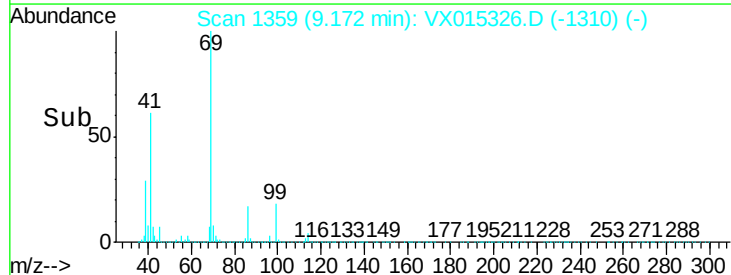
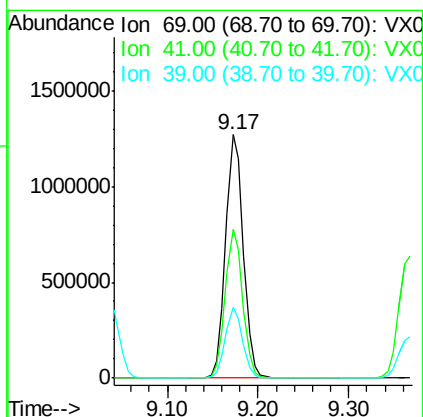
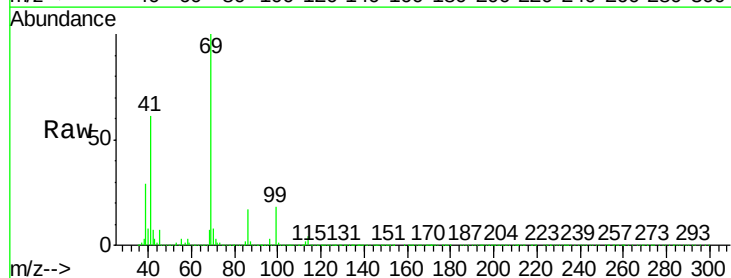
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.7	101.5
85	54.4	44.5	66.7
99	62.8	51.8	77.8

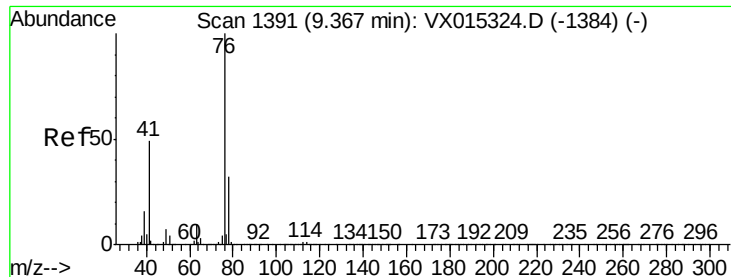


#56
 Ethyl methacrylate
 Concen: 165.31 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion: 69 Resp: 1723710

Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.5	71.3
39	28.3	23.0	34.4





#57

1,3-Dichloropropane

Concen: 146.59 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

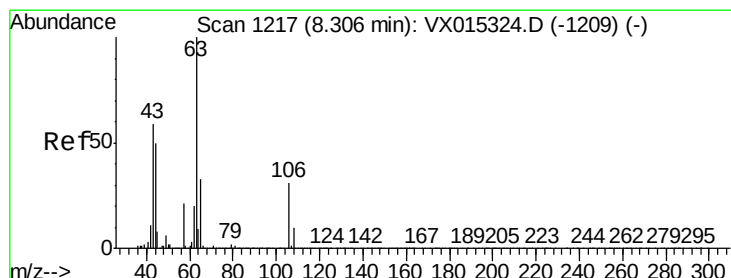
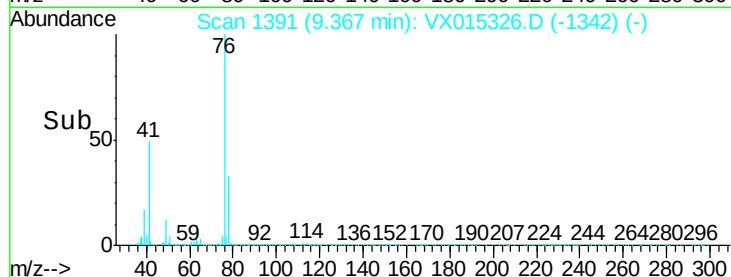
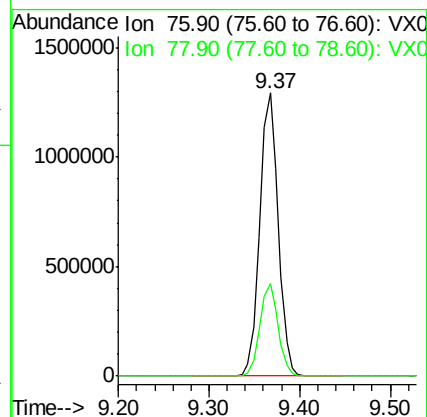
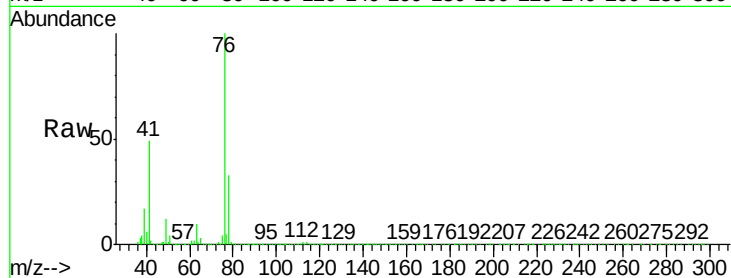
VSTDIC150

Tgt Ion: 76 Resp: 1815424

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 1105.64 ug/l

RT: 8.31 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VX015326.D

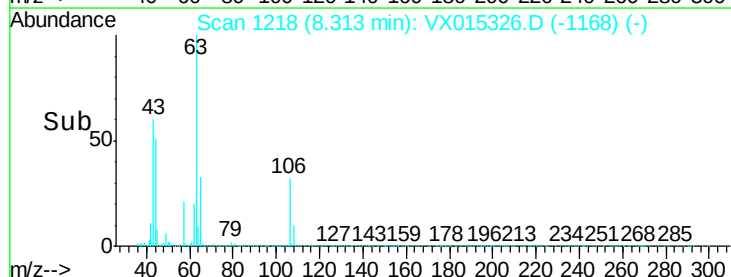
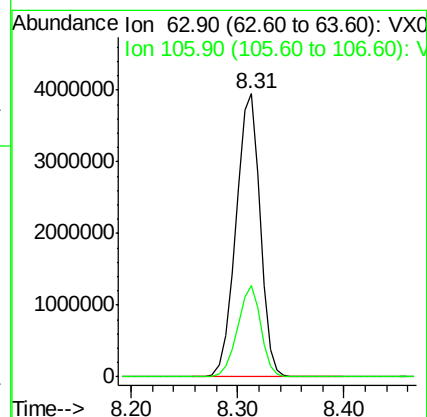
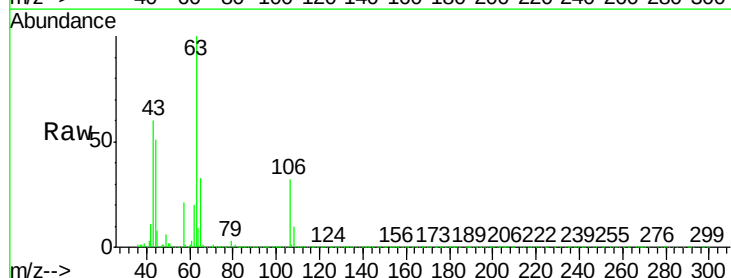
Acq: 18 Mar 2020 14:32

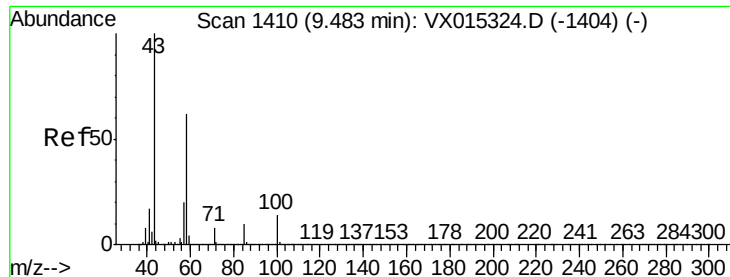
Tgt Ion: 63 Resp: 6265708

Ion Ratio Lower Upper

63 100

106 31.2 24.3 36.5

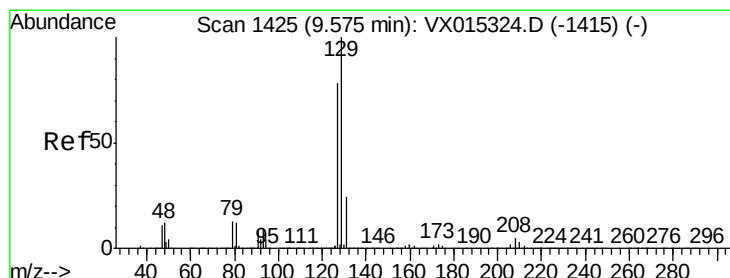
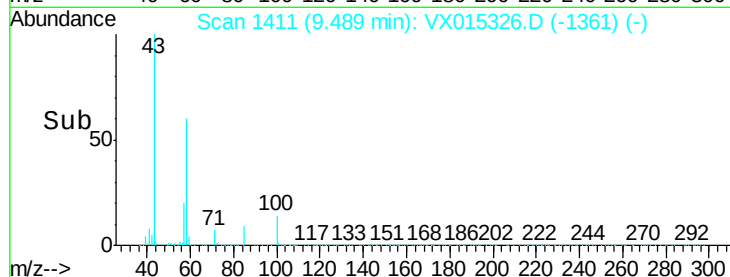
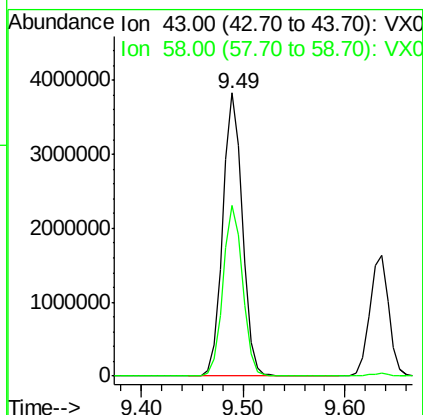
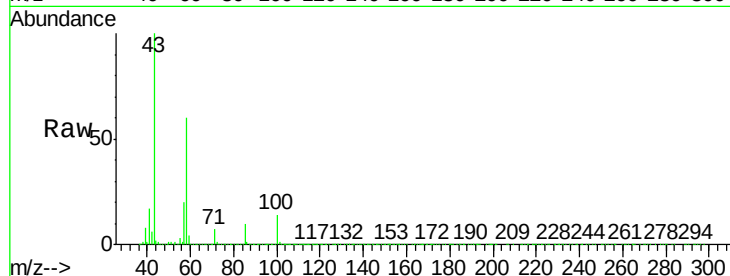




#59
2-Hexanone
Concen: 744.35 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

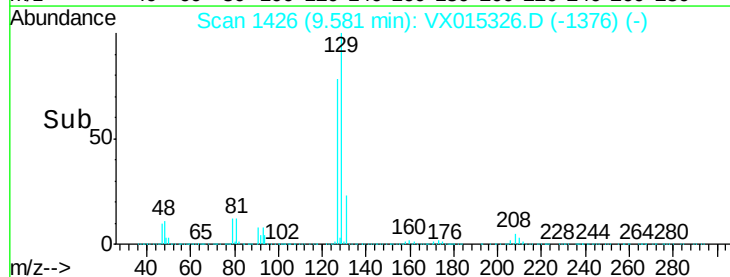
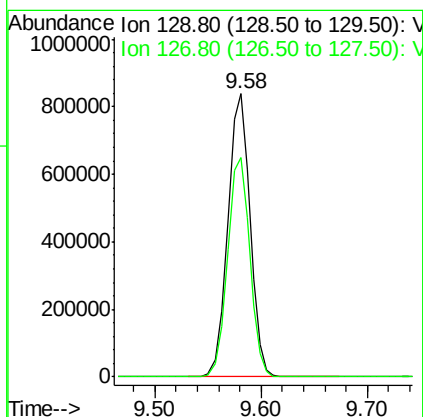
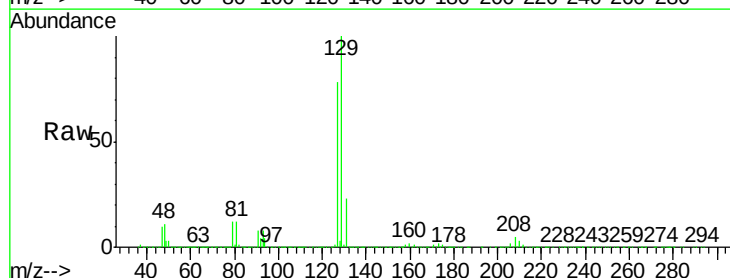
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

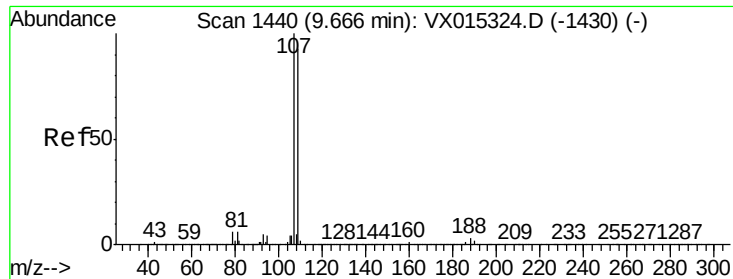
Tgt Ion: 43 Resp: 5122460
Ion Ratio Lower Upper
43 100
58 60.4 30.3 90.8



#60
Dibromochloromethane
Concen: 159.20 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 129 Resp: 1228812
Ion Ratio Lower Upper
129 100
127 77.7 39.3 117.9





#61

1,2-Dibromoethane

Concen: 155.48 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

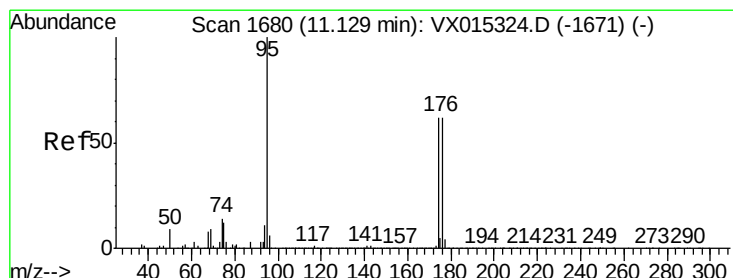
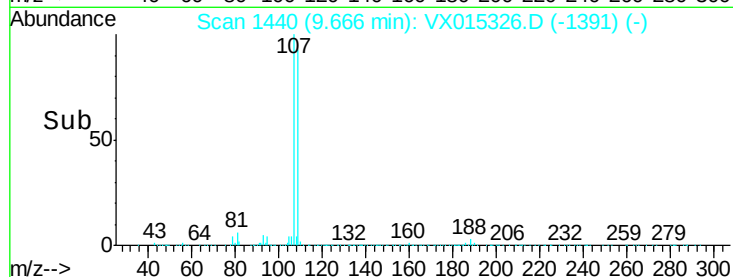
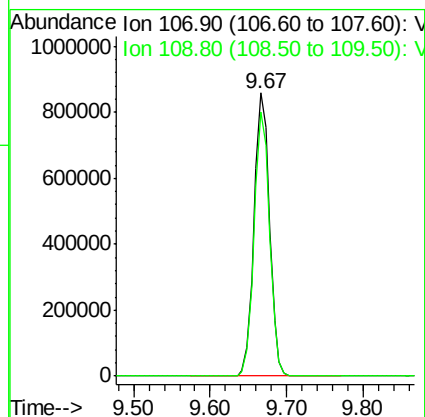
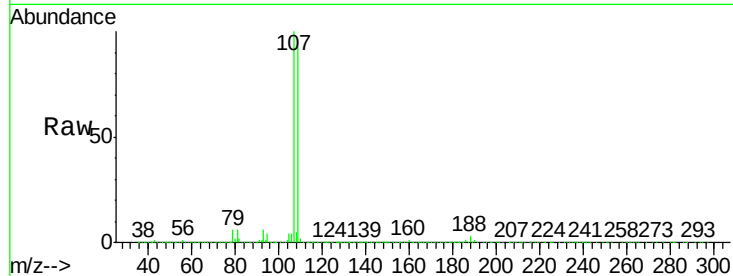
VSTDIC150

Tgt Ion: 107 Resp: 1213866

Ion Ratio Lower Upper

107 100

109 93.0 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 160.32 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

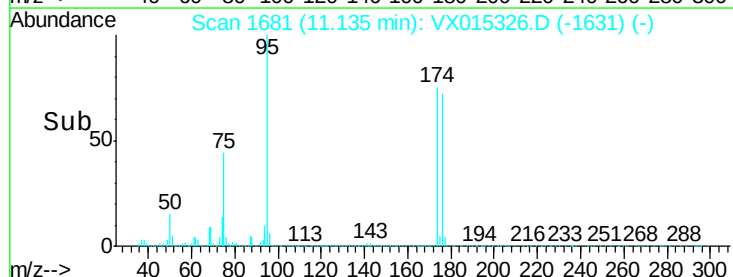
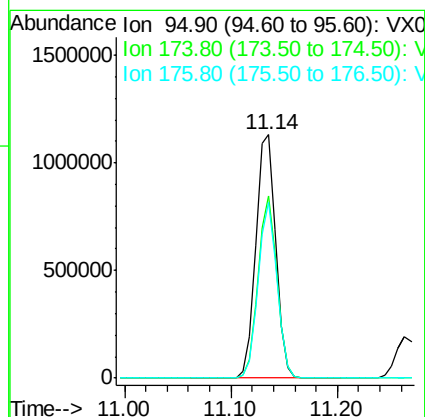
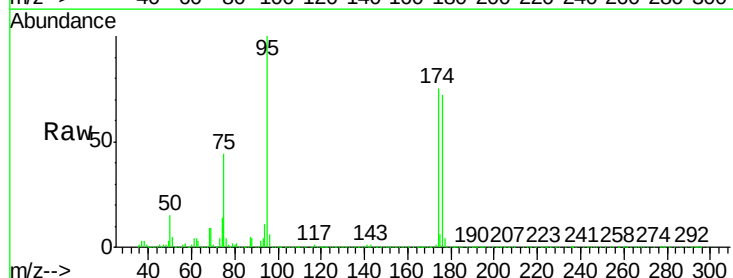
Tgt Ion: 95 Resp: 1480747

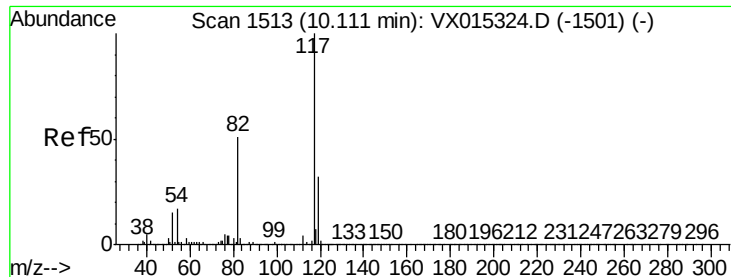
Ion Ratio Lower Upper

95 100

174 71.2 0.0 145.6

176 68.5 0.0 141.6

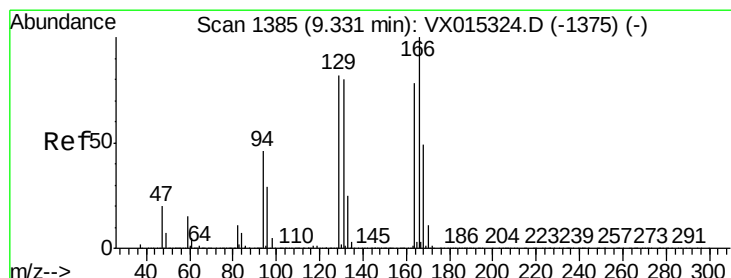
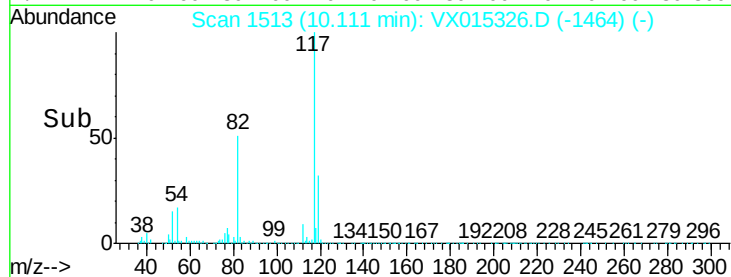
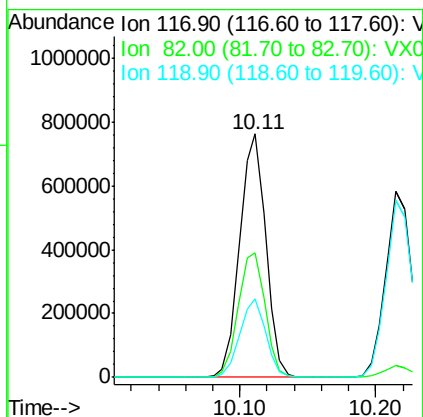
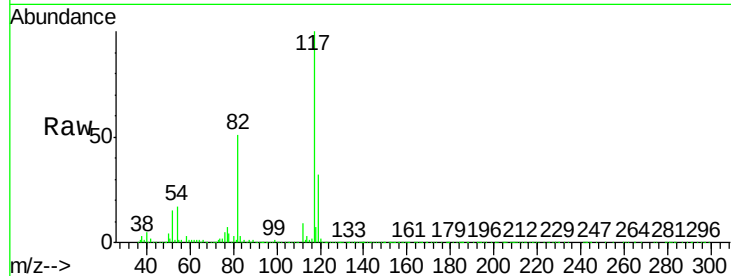




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

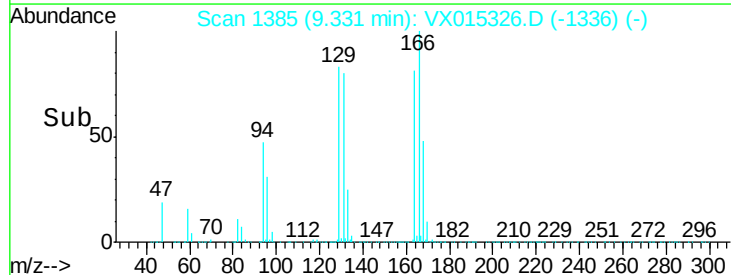
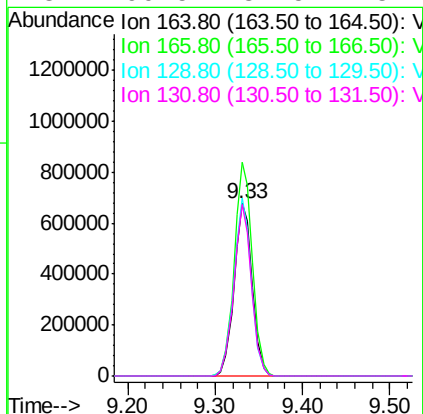
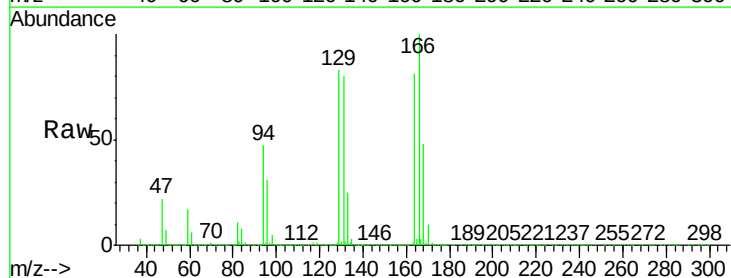
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

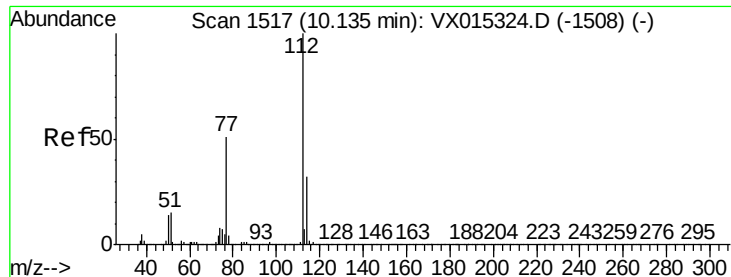
Tgt Ion:117 Resp: 1022011
Ion Ratio Lower Upper
117 100
82 51.4 40.6 60.8
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 117.91 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion:164 Resp: 976150
Ion Ratio Lower Upper
164 100
166 123.6 102.6 153.8
129 103.2 84.5 126.7
131 99.5 82.5 123.7





#65

Chlorobenzene

Concen: 149.65 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

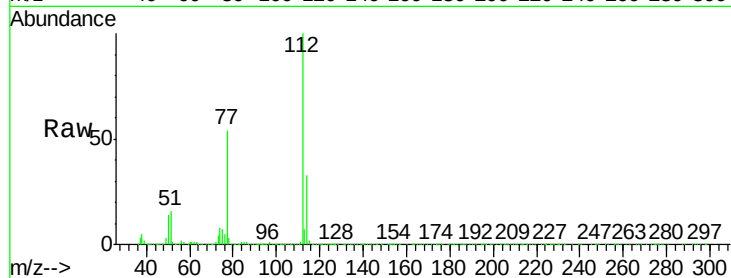
VSTDIC150

Tgt Ion:112 Resp: 3102103

Ion Ratio Lower Upper

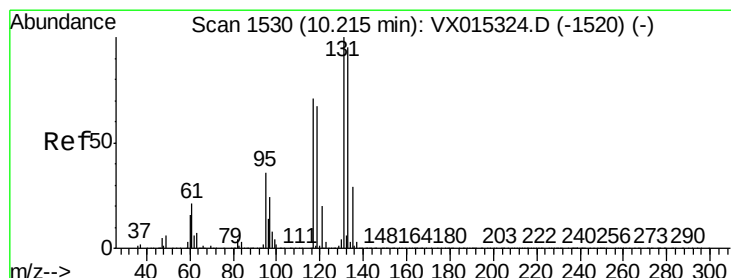
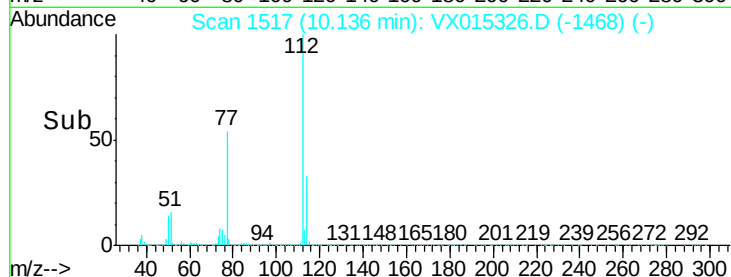
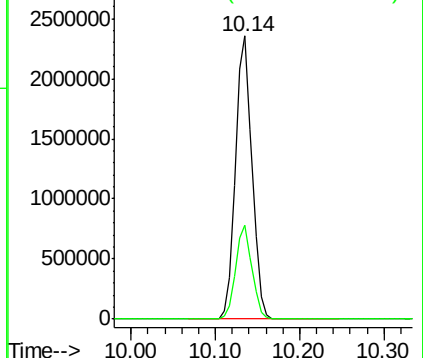
112 100

114 33.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 143.47 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

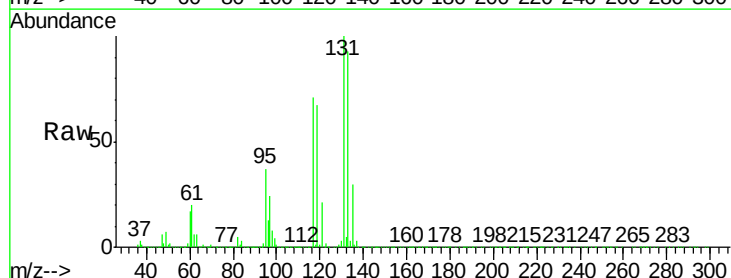
Tgt Ion:131 Resp: 1111035

Ion Ratio Lower Upper

131 100

133 94.1 48.1 144.4

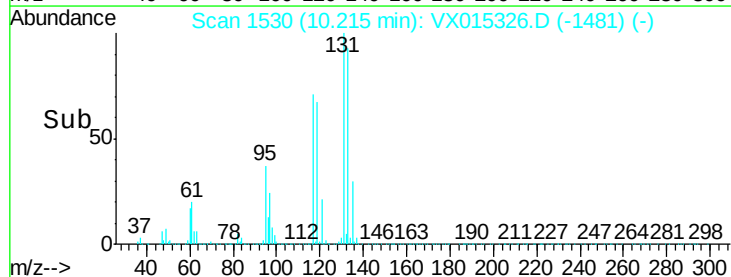
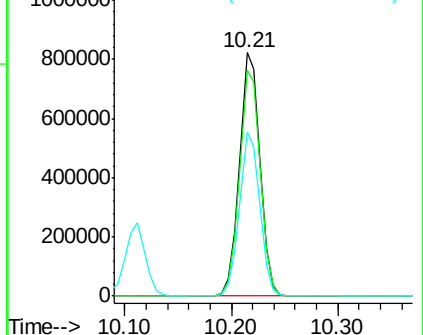
119 67.0 33.8 101.3

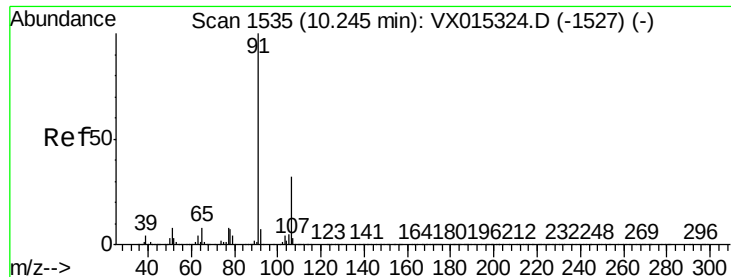


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 147.65 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

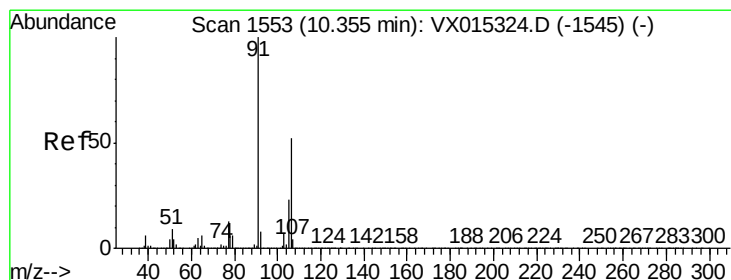
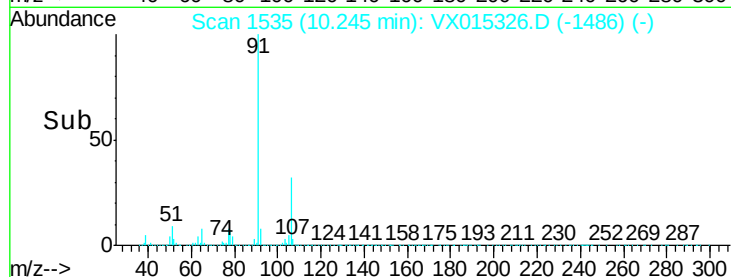
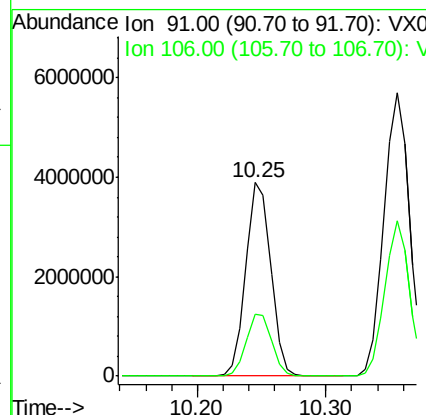
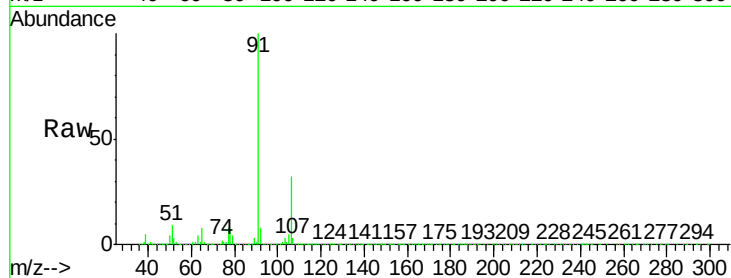
VSTDIC150

Tgt Ion: 91 Resp: 5188055

Ion Ratio Lower Upper

91 100

106 32.1 25.8 38.6



#68

m/p-Xylenes

Concen: 309.15 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Tgt Ion: 106 Resp: 4142521

Ion Ratio Lower Upper

106 100

91 188.8 155.1 232.7

