

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015212.D
 Acq On : 11 Mar 2020 19:56
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 12 08:25:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 08:23:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	53148	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	275423	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	255933	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	102726	28.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.43%
60) 4-Bromofluorobenzene	11.13	95	118064	29.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.83%
63) Toluene-d8	8.71	98	342618	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	14973	6.200	ug/l 98
3) Chloromethane	1.32	50	21819	6.846	ug/l 96
4) Vinyl Chloride	1.40	62	20824	6.124	ug/l 98
5) Bromomethane	1.64	94	13231	5.618	ug/l 93
6) Chloroethane	1.72	64	12545	5.640	ug/l 94
7) Trichlorofluoromethane	1.92	101	23480	4.908	ug/l 92
8) Diethyl Ether	2.18	74	11361	5.561	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	14819	5.325	ug/l 99
10) 1,1-Dichloroethene	2.37	96	14095	4.981	ug/l 91
11) Methyl Iodide	2.50	142	10527	3.157	ug/l 95
13) Acrolein	2.28	56	16397	24.482	ug/l 98
14) Acrylonitrile	3.13	53	43269	26.817	ug/l 97
15) Acetone	2.44	58	11103	20.859	ug/l 91
17) Allvl chloride	2.72	41	25908	5.177	ug/l 97
18) Methylene Chloride	2.85	84	17561	5.387	ug/l 95
19) trans-1,2-Dichloroethene	3.16	96	16942	5.487	ug/l 84
20) Diisopropyl ether	3.84	45	52890	5.227	ug/l 97
21) 1,1-Dichloroethane	3.69	63	29416	5.321	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	17845	5.049	ug/l 98
23) tert-Butyl Alcohol	3.03	59	18362	28.865	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	44107	4.720	ug/l # 91
25) Chloroform	5.20	83	28061	5.087	ug/l 98
26) Cyclohexane	5.56	56	25604	5.170	ug/l # 96
29) 1,1-Dichloropropene	5.79	75	11868	2.994	ug/l 52
30) 2-Butanone	4.66	43	55492	24.611	ug/l # 97
31) 2,2-Dichloropropane	4.56	77	18239	4.359	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	22613	5.067	ug/l 99
33) Carbon Tetrachloride	5.78	117	18986	4.871	ug/l 96
34) Benzene	6.13	78	64748	5.380	ug/l 95
35) Methacrylonitrile	5.03	41	11451	4.872	ug/l 91
37) Trichloroethene	7.21	130	19001	5.617	ug/l 97
38) Methylcyclohexane	7.45	83	24093	4.947	ug/l 97
39) 1,2-Dichloropropane	7.50	63	16735	5.371	ug/l 93
40) Dibromomethane	7.66	93	11451	5.563	ug/l 99
41) Bromodichloromethane	7.89	83	19677	4.885	ug/l # 98
42) Vinyl Acetate	3.81	43	207924	25.553	ug/l 99
43) Ethyl Acetate	4.82	43	22334	5.316	ug/l # 97

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 12 08:25:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 08:23:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

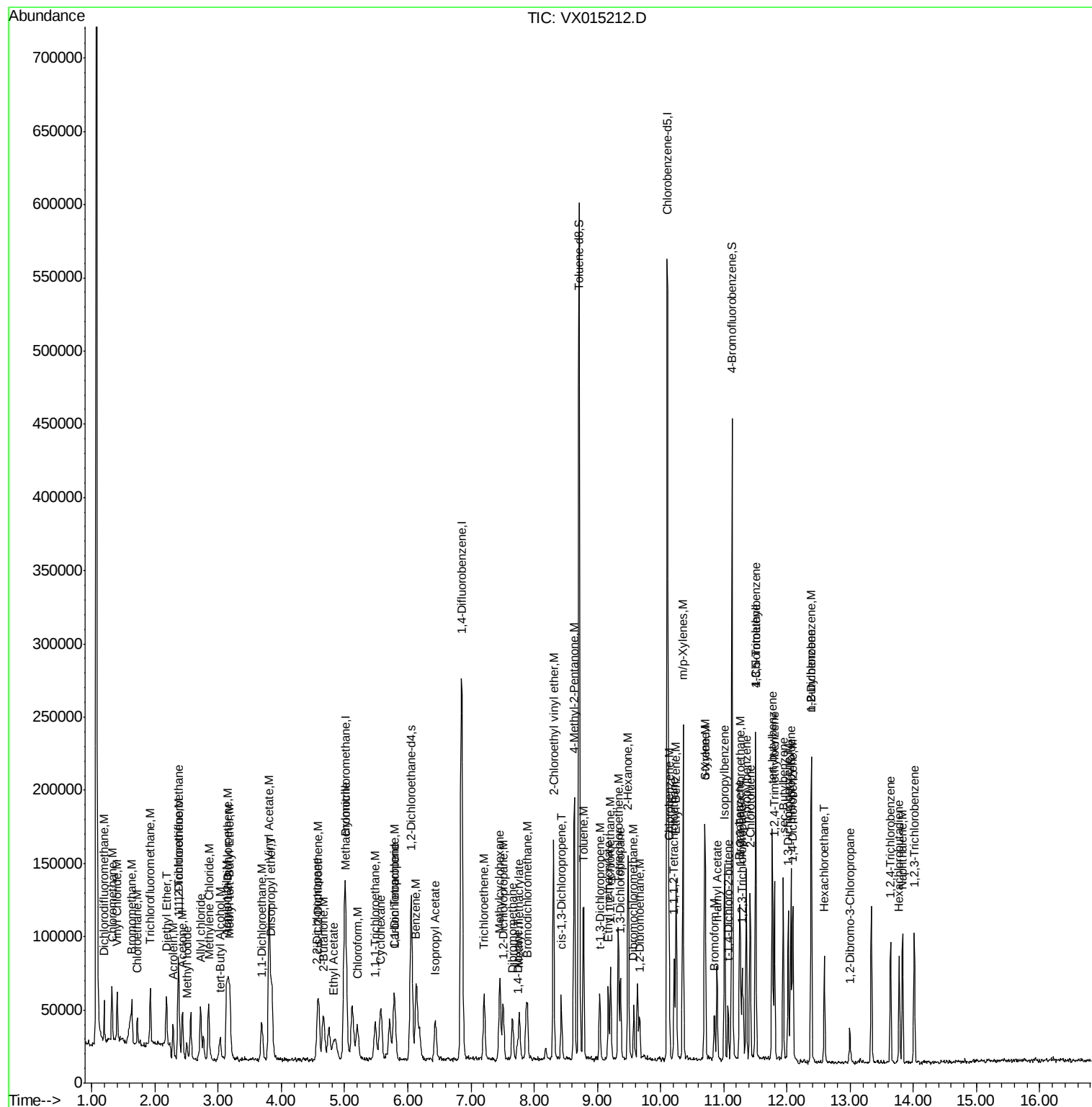
44) Isopropyl Acetate	6.43	43	37033	5.326	ug/l	95
45) 1,4-Dioxane	7.74	88	7289	110.087	ug/l #	92
46) Methyl methacrylate	7.76	41	17579	5.095	ug/l	93
47) n-amyl Acetate	10.89	43	26306	4.378	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	19729	4.421	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	23590	4.775	ug/l	92
50) 1,1,2-Trichloroethane	9.21	97	16319	5.325	ug/l	97
51) Ethyl methacrylate	9.17	69	21932	4.640	ug/l	94
52) 1,3-Dichloropropane	9.37	76	27550	5.310	ug/l	98
53) Dibromochloromethane	9.57	129	16068	4.895	ug/l	97
54) 1,2-Dibromoethane	9.67	107	16656	5.129	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	58021	23.205	ug/l	99
56) Bromoform	10.85	173	11534	4.511	ug/l	95
58) 4-Methyl-2-Pentanone	8.64	43	108552	25.374	ug/l	100
59) 2-Hexanone	9.48	43	79418	24.109	ug/l	97
61) Tetrachloroethene	9.33	164	19014	5.463	ug/l	96
62) Toluene	8.78	91	70299	5.313	ug/l	100
64) Chlorobenzene	10.14	112	44935	5.325	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	15605	5.000	ug/l	99
66) Ethyl Benzene	10.25	91	72293	4.973	ug/l	98
67) m/p-Xylenes	10.36	106	55196	9.845	ug/l	99
68) o-Xylene	10.70	106	25746	4.751	ug/l	96
69) Styrene	10.71	104	43660	4.686	ug/l	99
70) Isopropylbenzene	11.01	105	70428	4.903	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	24825	5.345	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	25439	6.428	ug/l	94
73) Bromobenzene	11.25	156	20055	5.168	ug/l	98
74) n-propylbenzene	11.35	91	79007	4.819	ug/l	99
75) 2-Chlorotoluene	11.42	91	49183	5.096	ug/l	97
76) 1,3,5-Trimethylbenzene	11.50	105	56850	4.732	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	6247	4.045	ug/l	93
78) 4-Chlorotoluene	11.51	91	57044	5.079	ug/l	98
79) tert-butylbenzene	11.76	119	54035	4.667	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	55301	4.613	ug/l	98
81) sec-Butylbenzene	11.94	105	66525	4.768	ug/l	100
82) p-Isopropyltoluene	12.06	119	58828	4.567	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	35241	5.152	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	34718	5.047	ug/l	97
85) n-Butylbenzene	12.39	91	47555	4.218	ug/l	100
86) Hexachloroethane	12.59	117	10064	4.298	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	33185	4.900	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	4428	4.435	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	21444	4.374	ug/l	98
90) Hexachlorobutadiene	13.78	225	11515	4.747	ug/l	98
91) Naphthalene	13.83	128	54702	3.963	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	22406	4.586	ug/l	99

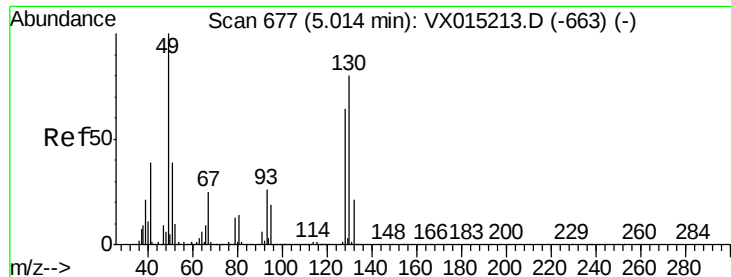
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX015212.D
Acq On : 11 Mar 2020 19:56
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Sample : VSTDIC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Mar 12 08:25:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 08:23:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

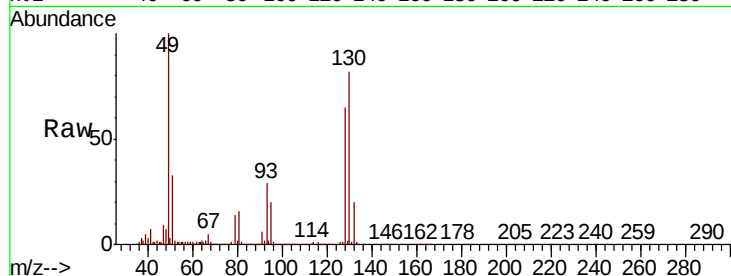
Tot Ion:128 Resp: 53148

Ion Ratio Lower Upper

128 100

49 161.8 0.0 410.8

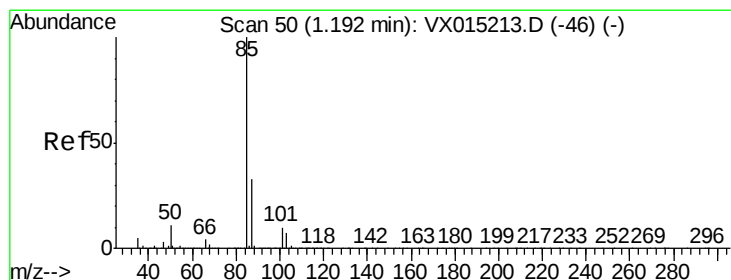
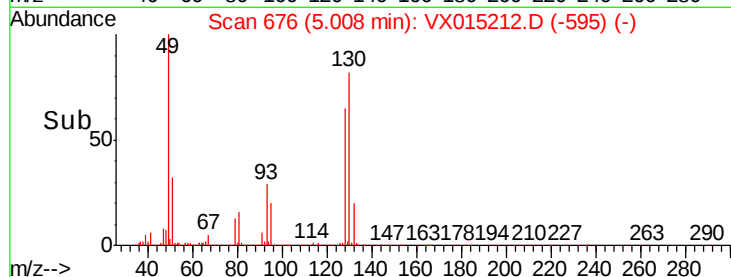
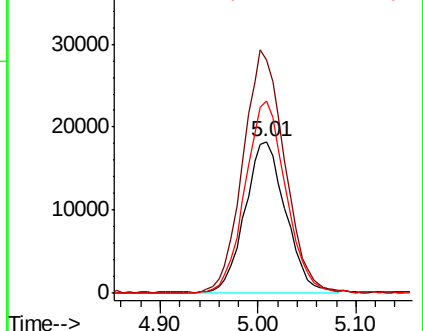
130 126.1 0.0 324.3



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: 6.200 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015212.D

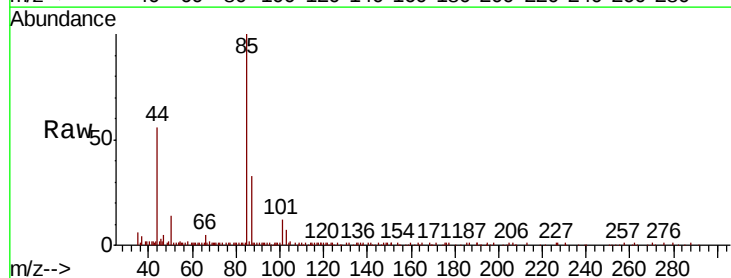
Acq: 11 Mar 2020 19:56

Tgt Ion: 85 Resp: 14973

Ion Ratio Lower Upper

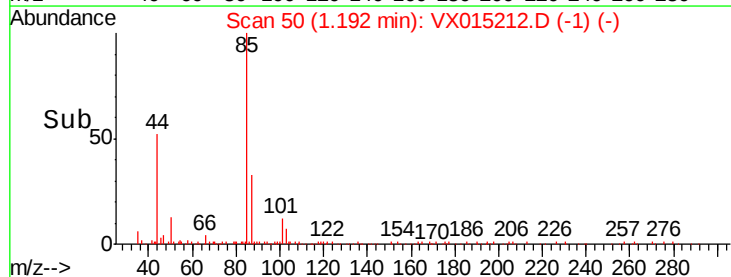
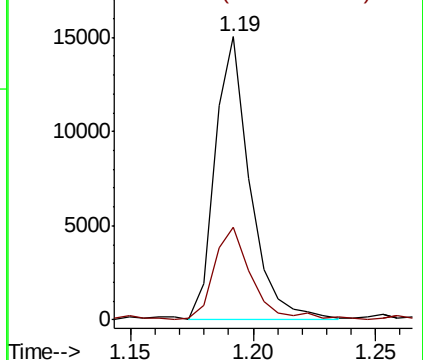
85 100

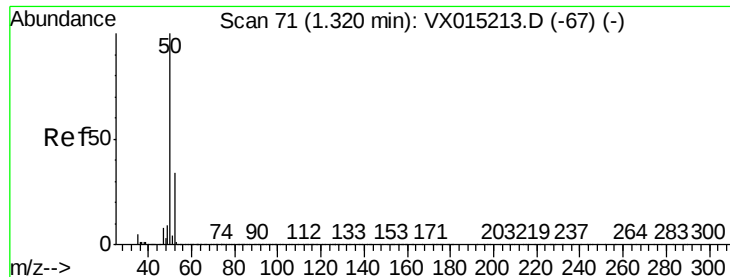
87 32.2 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

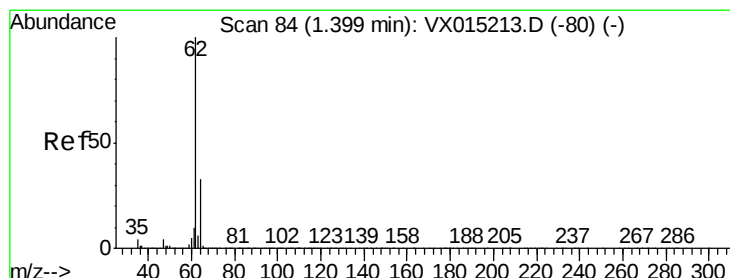
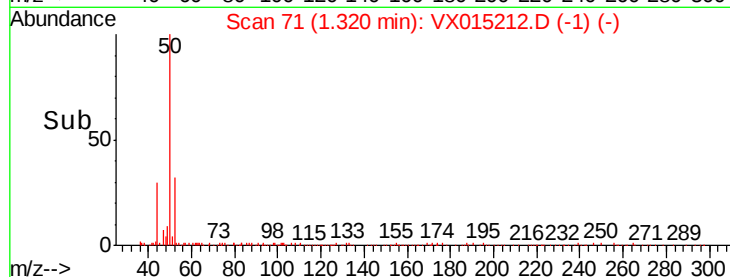
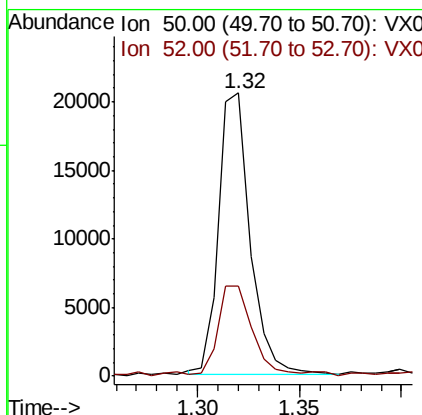
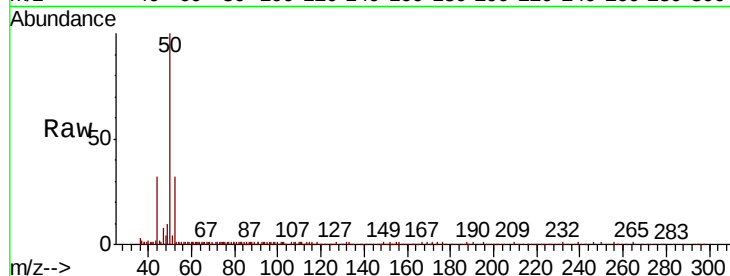




#3
Chloromethane
Concen: 6.846 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

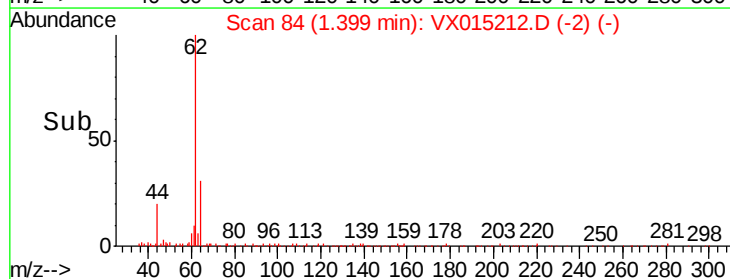
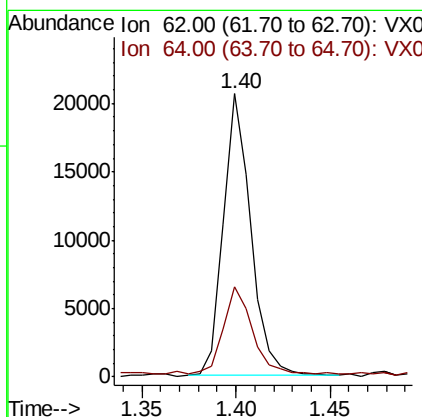
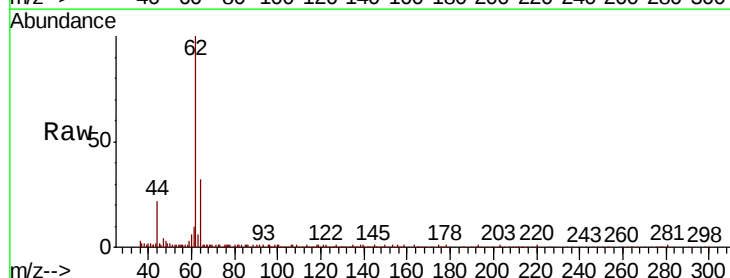
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

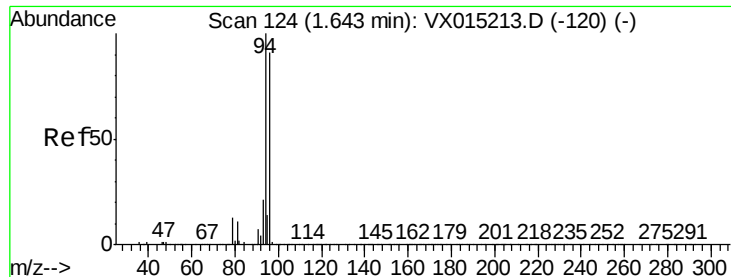
Tot Ion: 50 Resp: 21819
Ion Ratio Lower Upper
50 100
52 32.1 27.4 41.0



#4
Vinyl Chloride
Concen: 6.124 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion: 62 Resp: 20824
Ion Ratio Lower Upper
62 100
64 31.0 25.9 38.9





#5

Bromomethane

Concen: 5.618 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

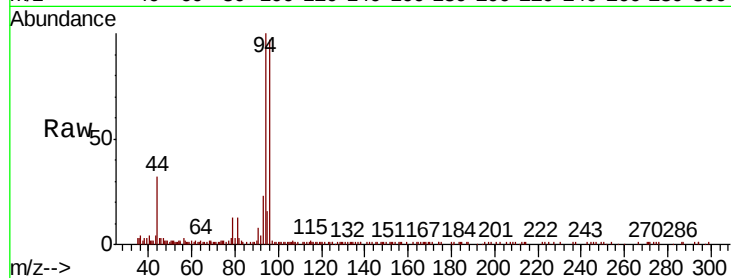
VSTDIC005

Tot Ion: 94 Resp: 13231

Ion Ratio Lower Upper

94 100

96 96.4 72.2 108.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

12000

10000

8000

6000

4000

2000

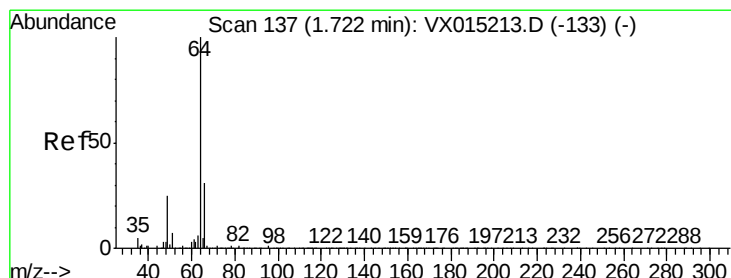
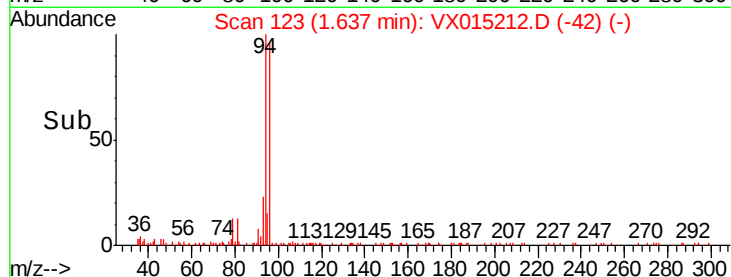
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 5.640 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015212.D

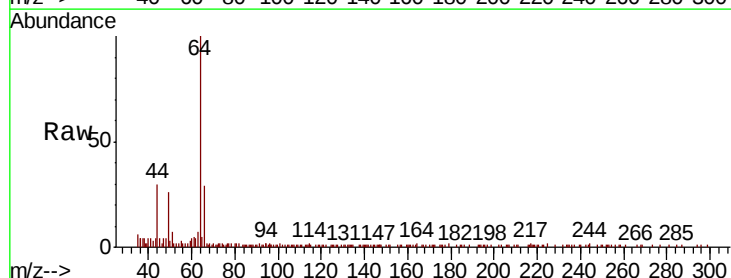
Acq: 11 Mar 2020 19:56

Tgt Ion: 64 Resp: 12545

Ion Ratio Lower Upper

64 100

66 27.8 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

10000

8000

6000

4000

2000

0

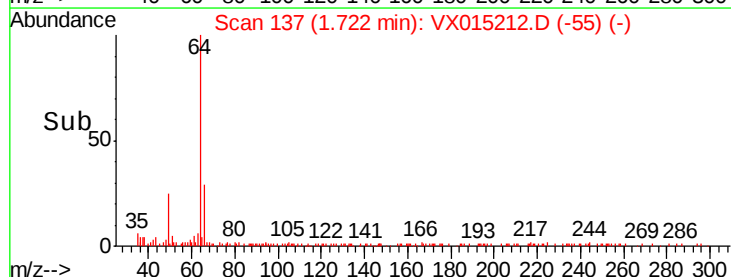
1.65

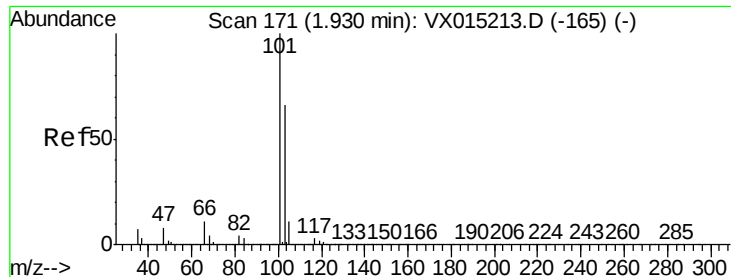
1.70

1.75

1.80

Time-->



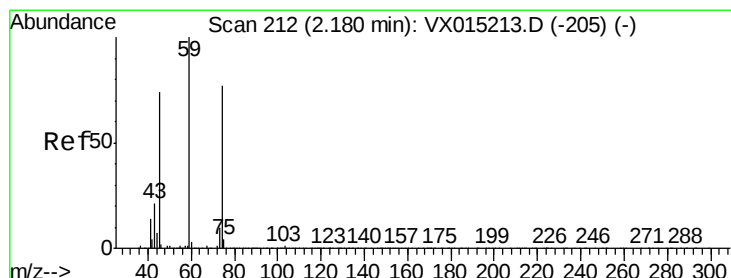
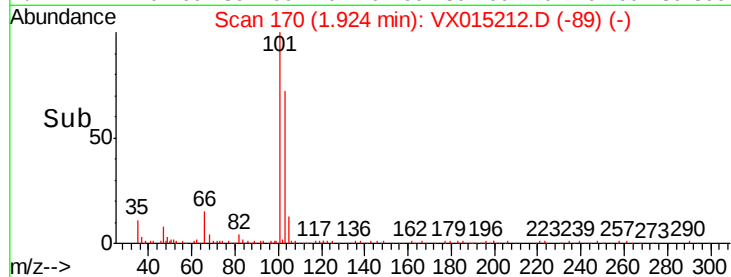
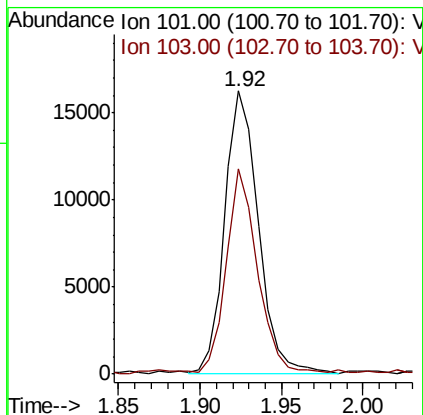
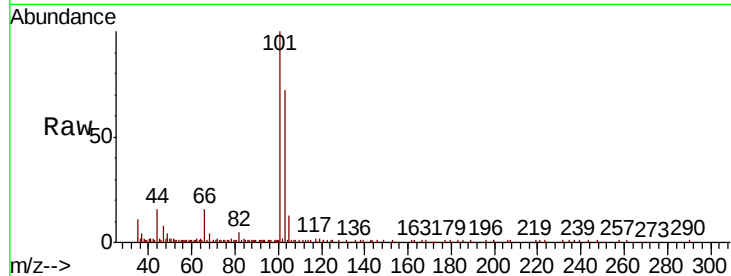


#7

Trichlorofluoromethane
 Concen: 4.908 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.01 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

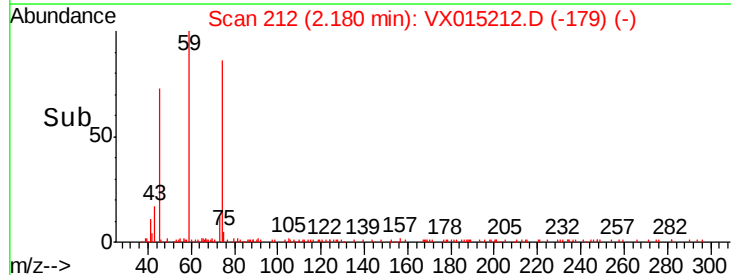
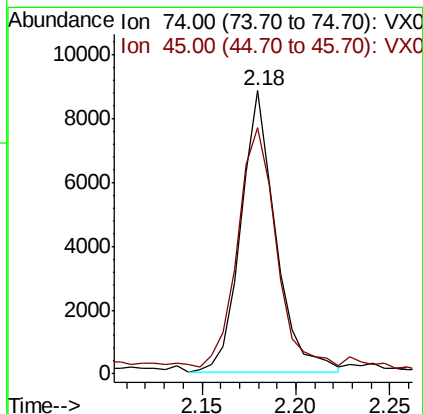
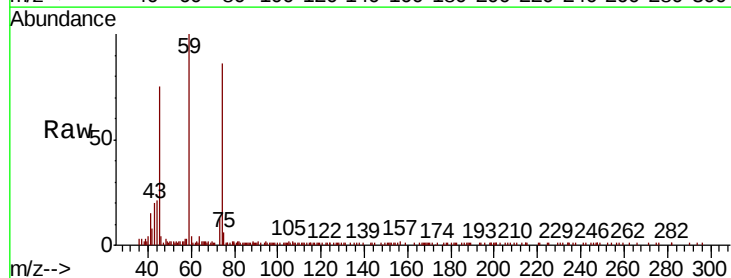
Tot Ion:101 Resp: 23480
 Ion Ratio Lower Upper
 101 100
 103 71.8 52.5 78.7

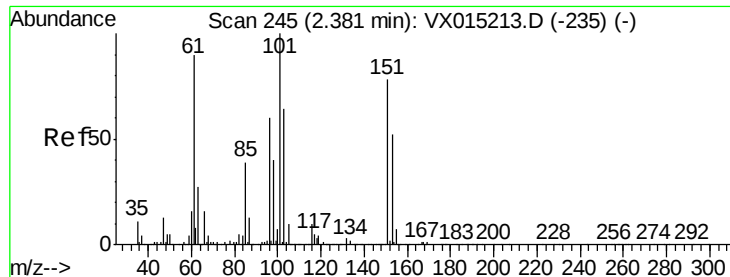


#8

Diethyl Ether
 Concen: 5.561 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Tgt Ion: 74 Resp: 11361
 Ion Ratio Lower Upper
 74 100
 45 92.5 19.1 171.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.325 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

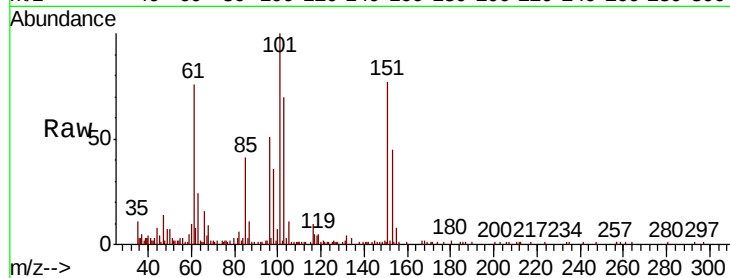
Tot Ion:101 Resp: 14819

Ion Ratio Lower Upper

101 100

85 41.3 0.0 84.6

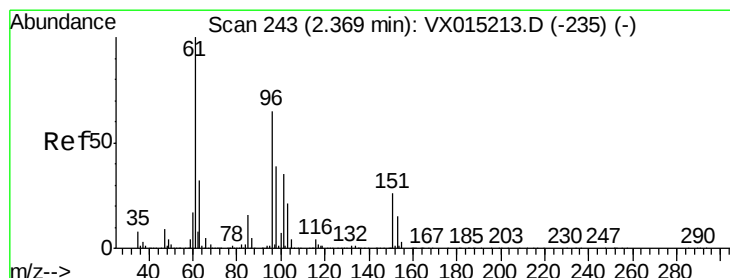
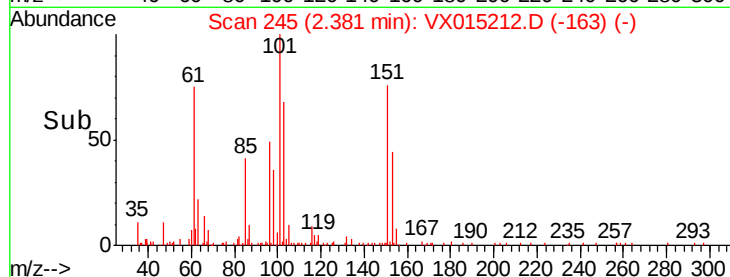
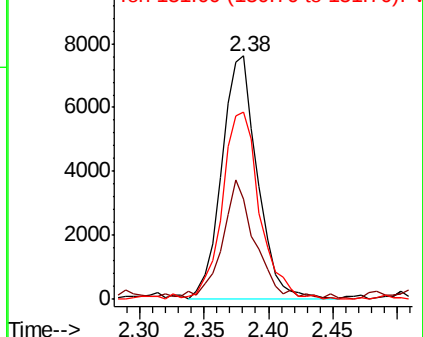
151 80.0 0.0 161.8



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: 4.981 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

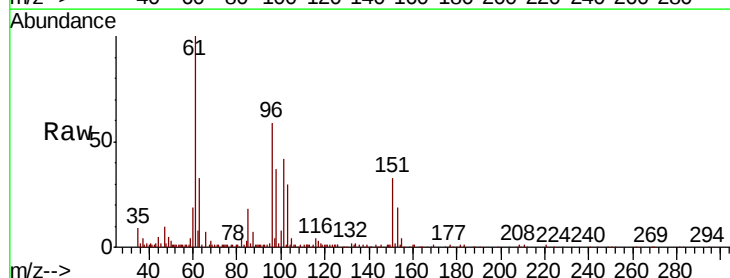
Tgt Ion: 96 Resp: 14095

Ion Ratio Lower Upper

96 100

61 167.6 123.1 184.7

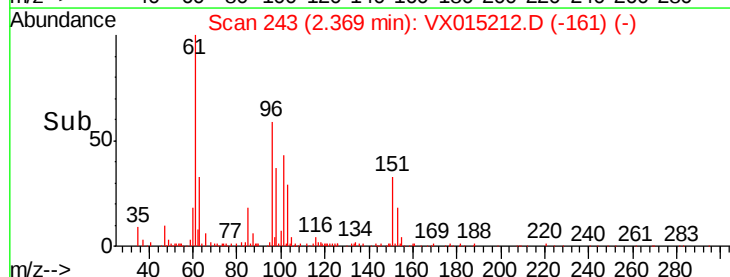
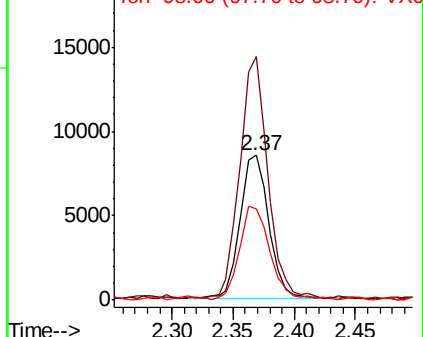
98 63.2 48.1 72.1

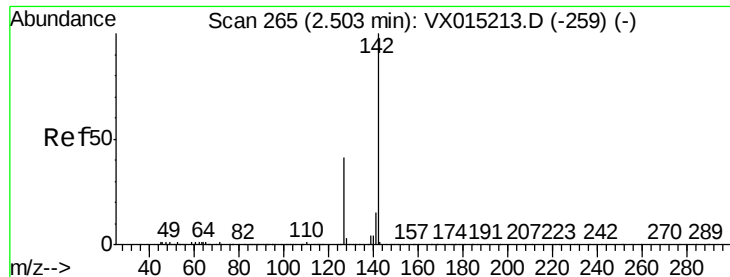


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

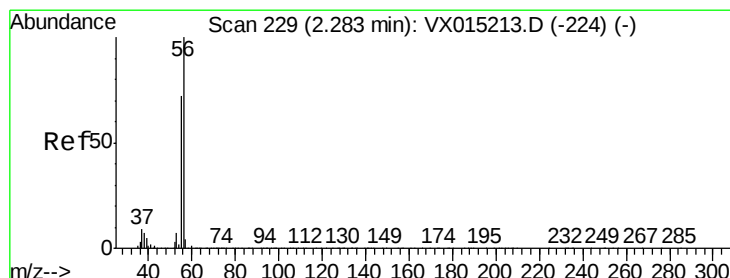
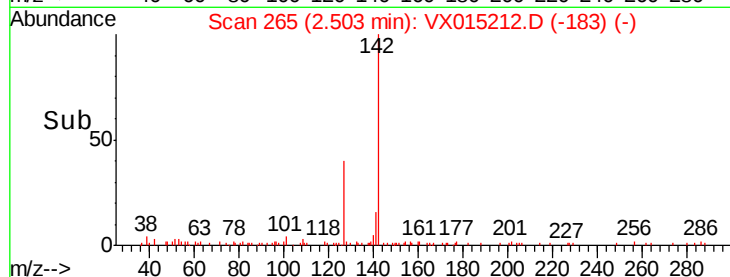
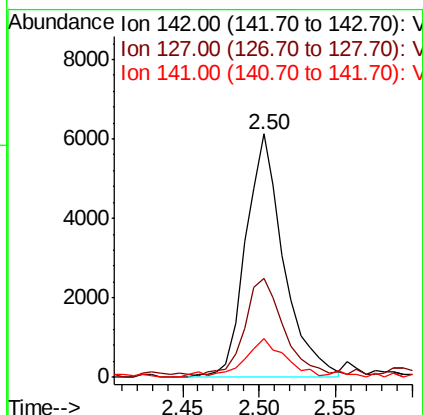
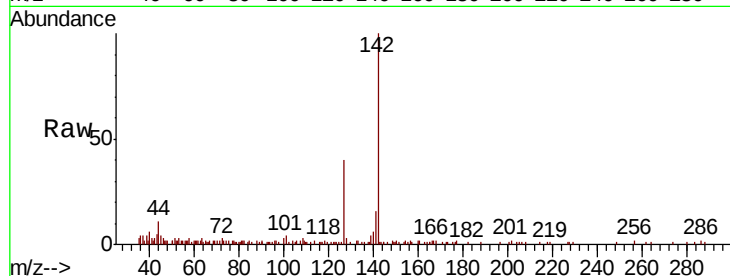




#11
Methvl Iodide
Concen: 3.157 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

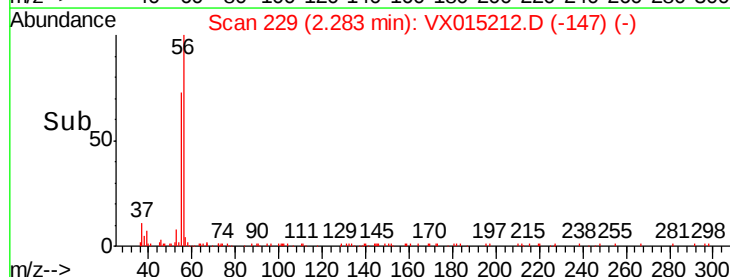
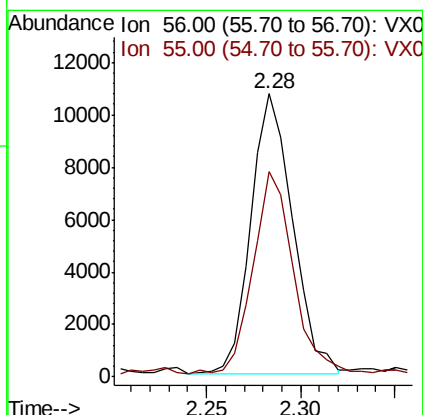
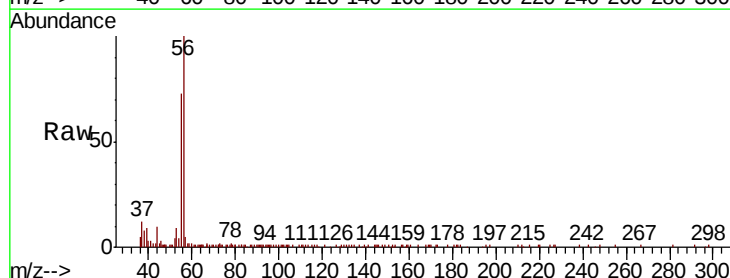
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

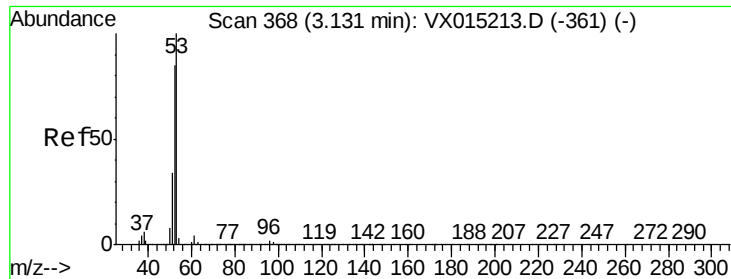
Tot Ion:142 Resp: 10527
Ion Ratio Lower Upper
142 100
127 38.1 20.7 62.1
141 14.1 7.5 22.6



#13
Acrolein
Concen: 24.482 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion: 56 Resp: 16397
Ion Ratio Lower Upper
56 100
55 68.8 56.2 84.4





#14

Acrylonitrile

Concen: 26.817 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

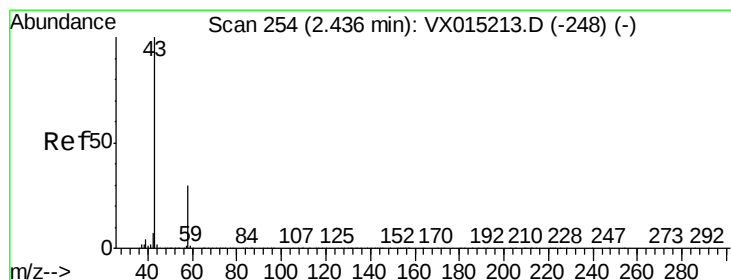
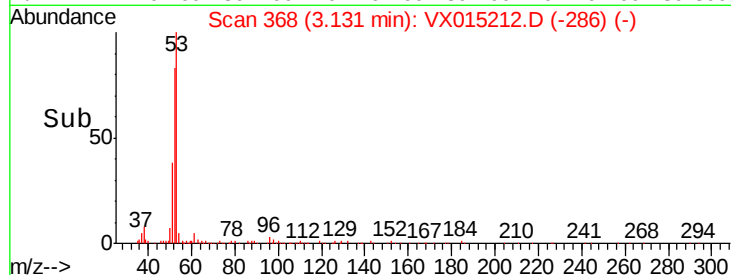
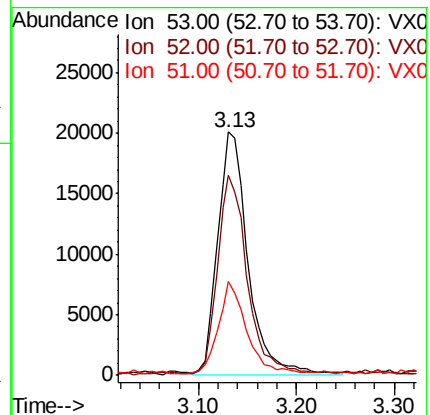
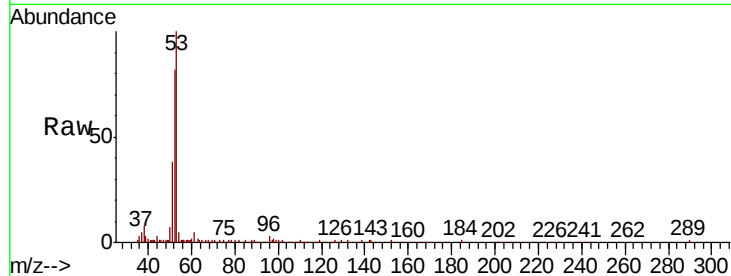
MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 53 Resp: 43269

Ion	Ratio	Lower	Upper
53	100		
52	79.4	41.1	123.3
51	34.7	18.1	54.4



#15

Acetone

Concen: 20.859 ug/l

RT: 2.44 min Scan# 254

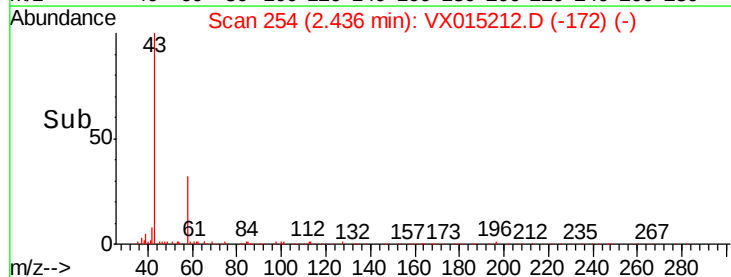
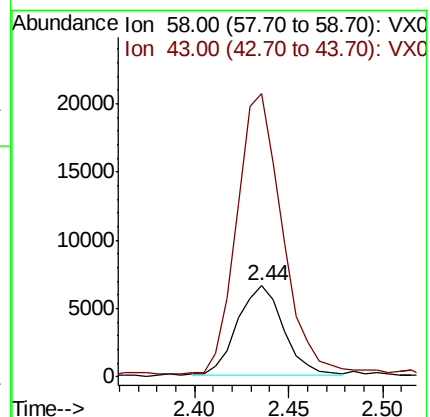
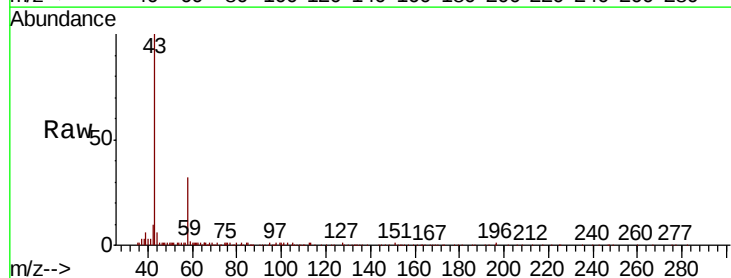
Delta R.T. 0.00 min

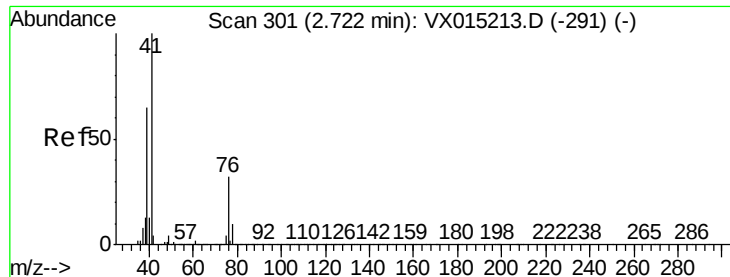
Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Tgt Ion: 58 Resp: 11103

Ion	Ratio	Lower	Upper
58	100		
43	315.5	267.7	401.5

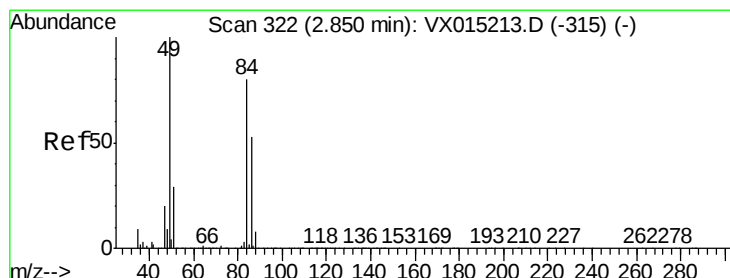
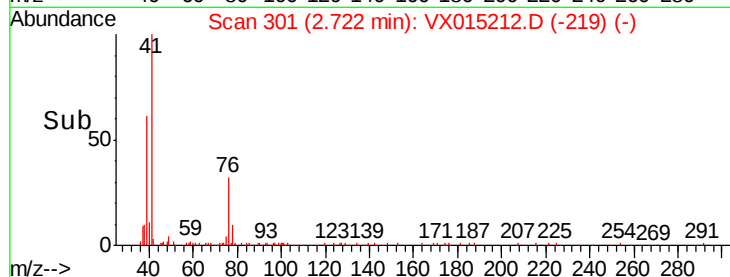
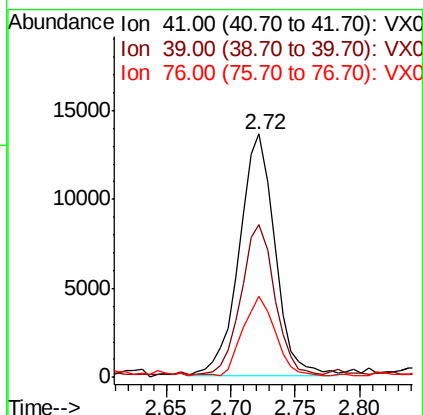
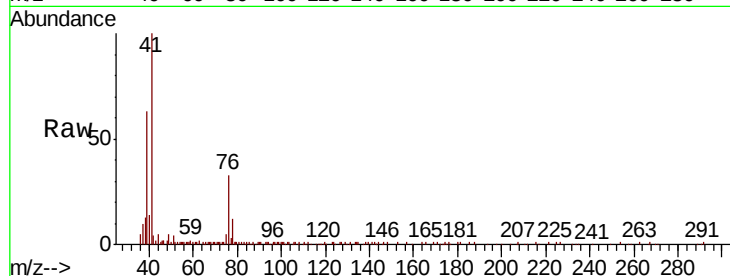




#17
Allvl chloride
Concen: 5.177 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

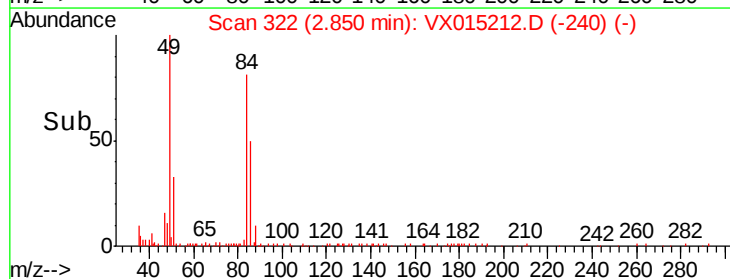
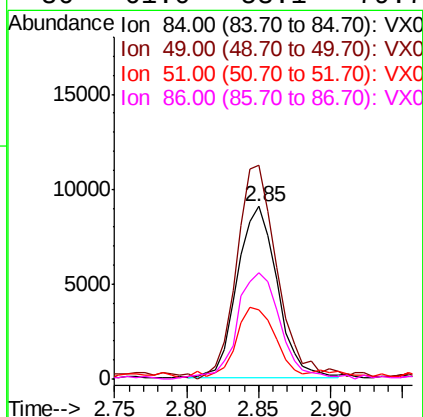
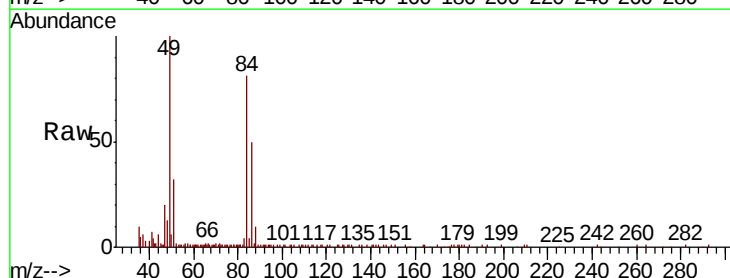
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

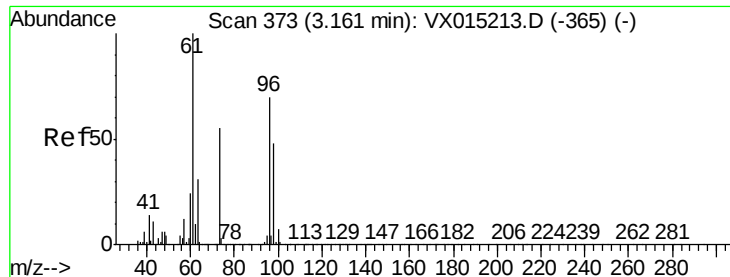
Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	32.6	97.7
76	32.6	16.2	48.5



#18
Methylene Chloride
Concen: 5.387 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	100.5	150.7
51	38.4	28.7	43.1
86	61.0	53.1	79.7

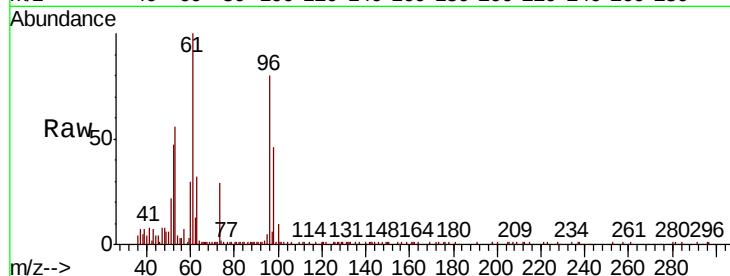




#19
trans-1,2-Dichloroethene
Concen: 5.487 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	122.4	113.8	170.6	
98	56.1	54.6	82.0	

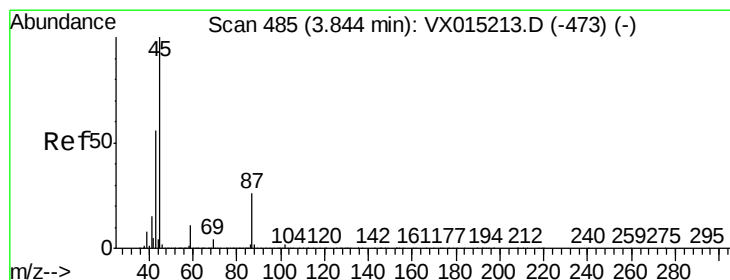
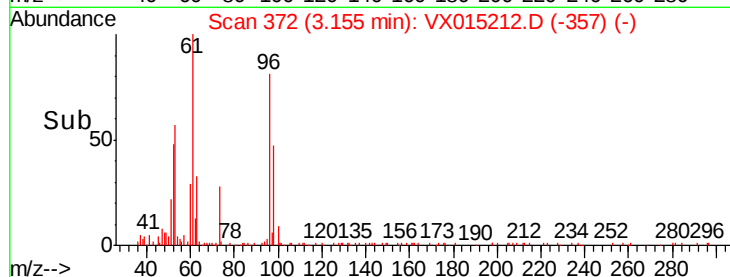
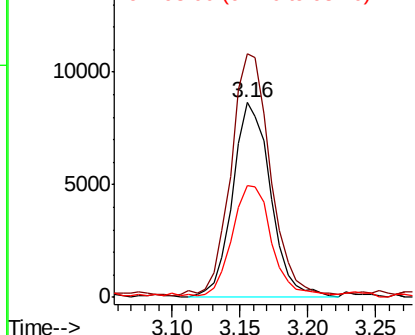


Abundance

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



#20
Diisopropyl ether
Concen: 5.227 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	78.0	60.3	90.5	
87	25.1	21.0	31.6	
59	11.6	9.0	13.4	

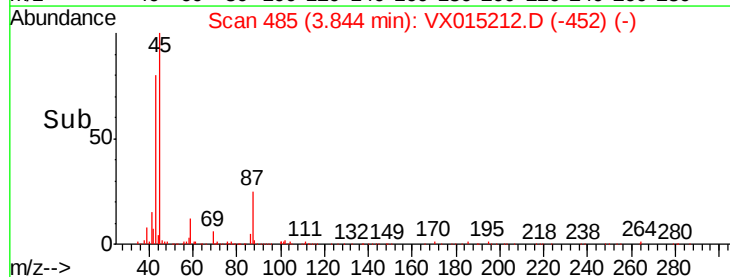
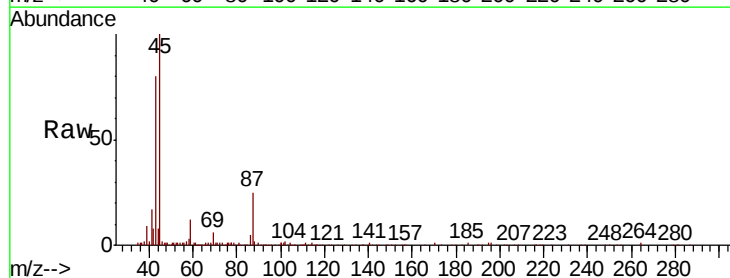
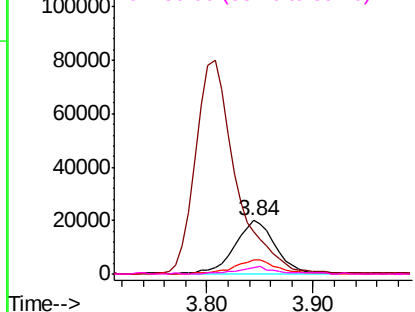
Abundance

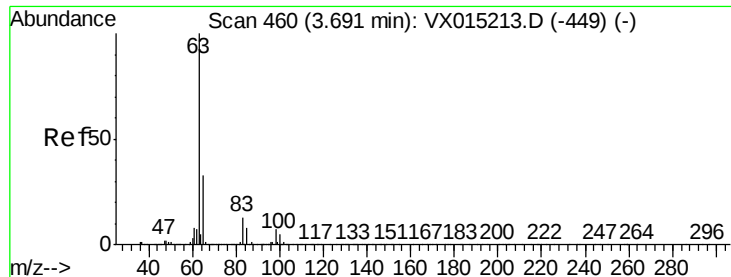
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 5.321 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

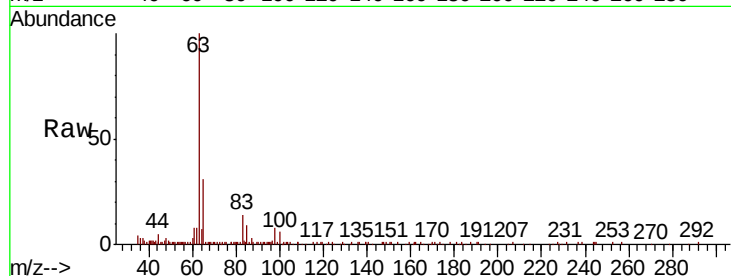
Tot Ion: 63 Resp: 29416

Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.8

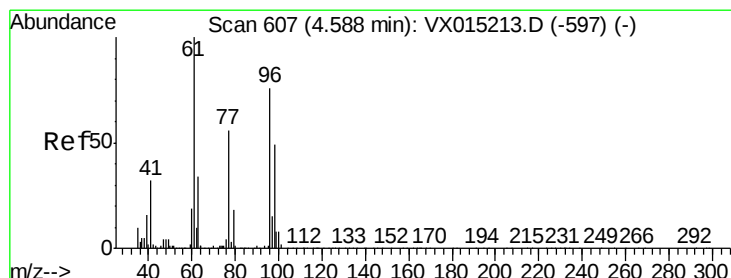
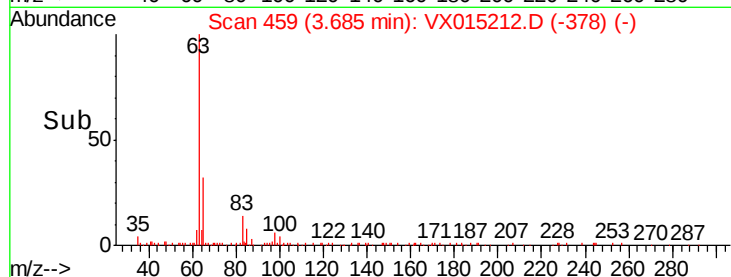
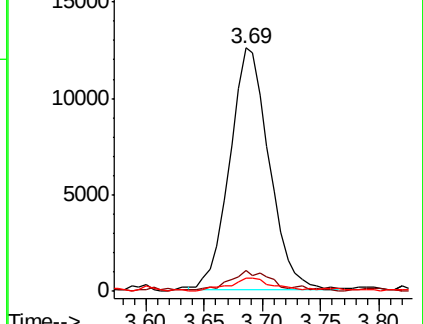
100 5.7 2.6 7.8



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 5.049 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

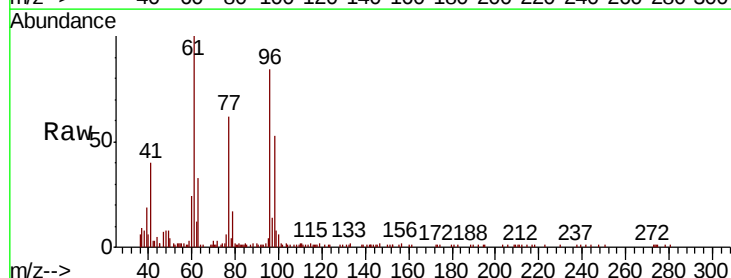
Tgt Ion: 96 Resp: 17845

Ion Ratio Lower Upper

96 100

61 139.8 109.3 163.9

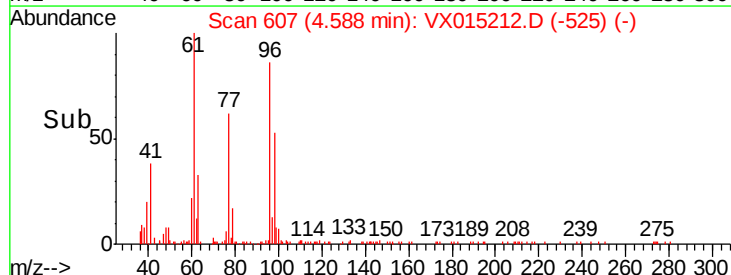
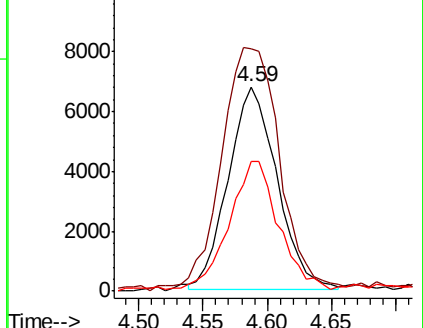
98 64.4 51.3 76.9

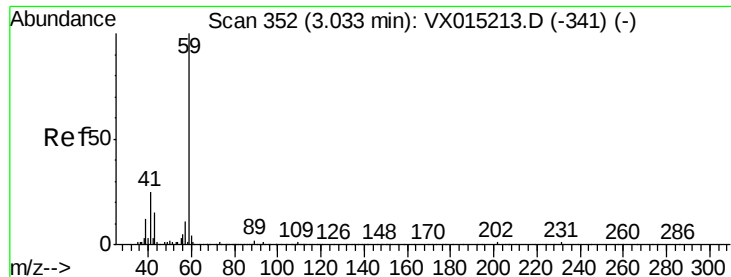


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 28.865 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

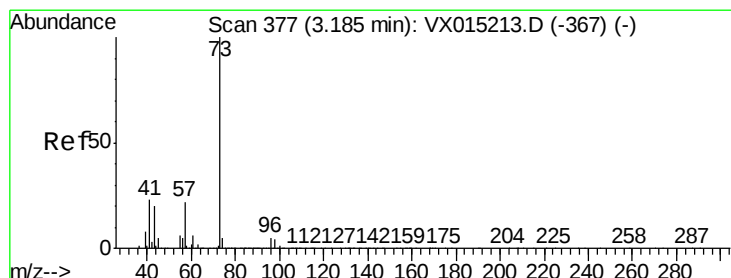
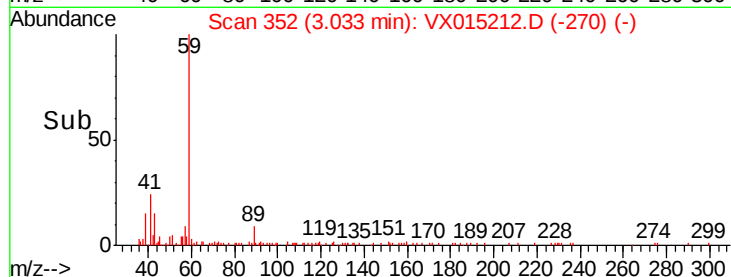
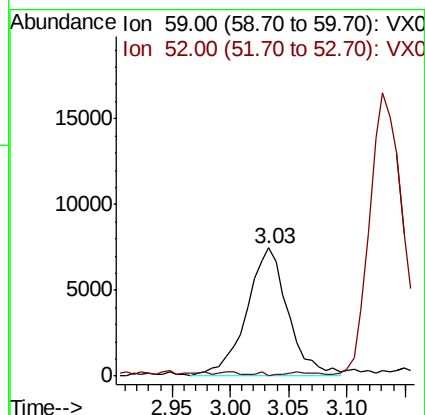
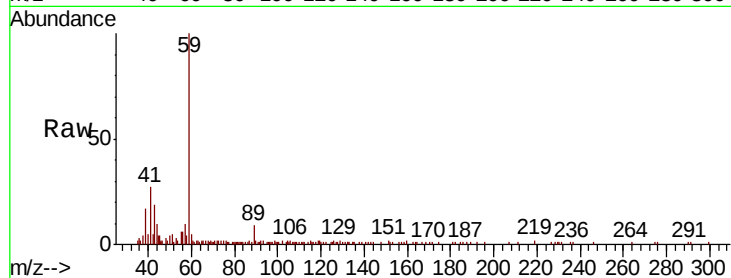
VSTDIC005

Tot Ion: 59 Resp: 18362

Ion Ratio Lower Upper

59 100

52 0.7 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 4.720 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX015212.D

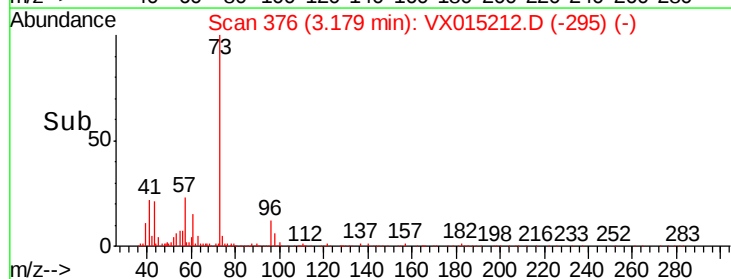
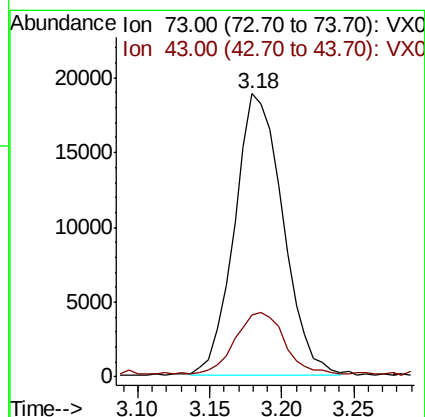
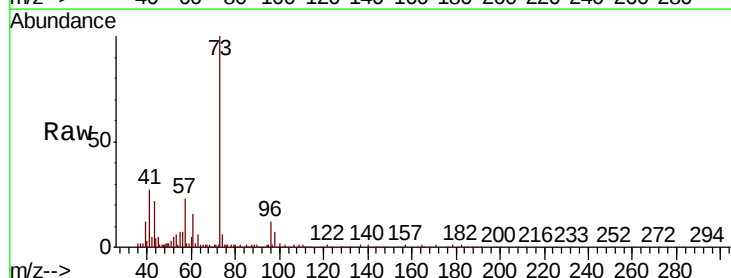
Acq: 11 Mar 2020 19:56

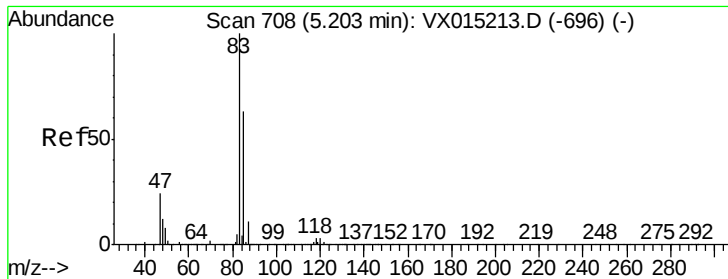
Tgt Ion: 73 Resp: 44107

Ion Ratio Lower Upper

73 100

43 24.8 16.4 24.6#





#25

Chloroform

Concen: 5.087 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

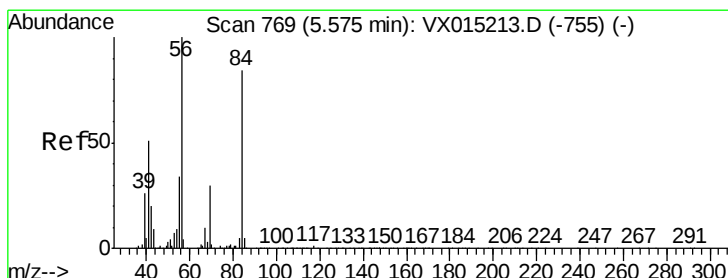
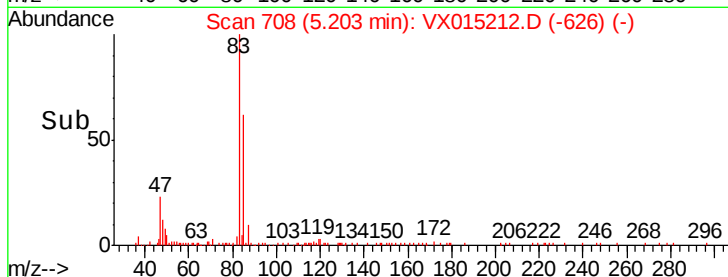
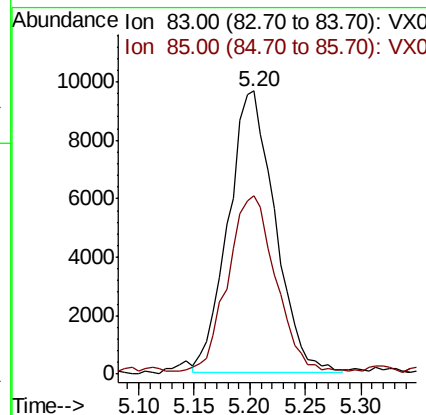
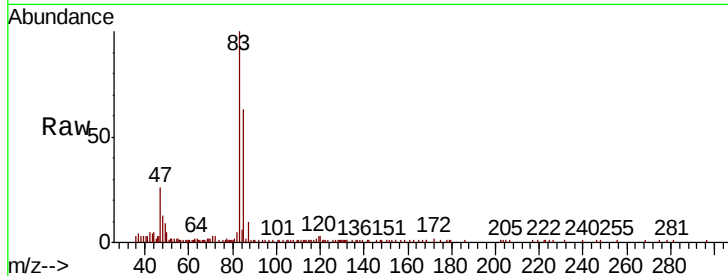
VSTDIC005

Tot Ion: 83 Resp: 28061

Ion Ratio Lower Upper

83 100

85 61.5 50.7 76.1



#26

Cyclohexane

Concen: 5.170 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

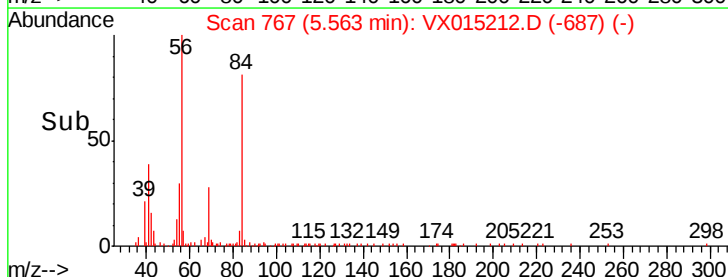
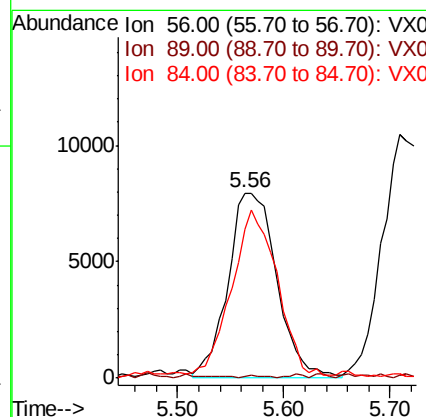
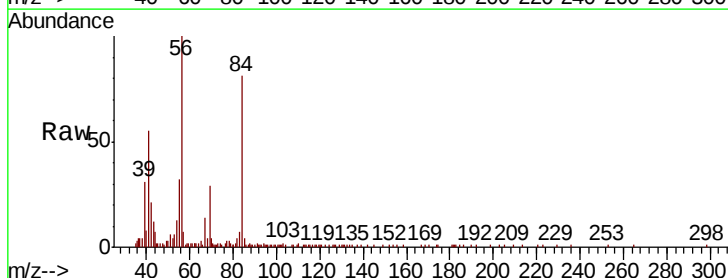
Tgt Ion: 56 Resp: 25604

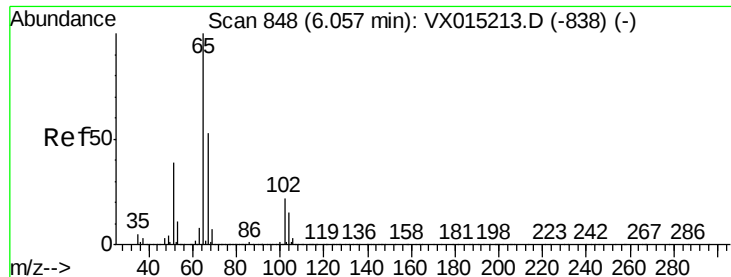
Ion Ratio Lower Upper

56 100

89 0.6 0.1 0.1#

84 80.2 67.3 100.9





#27

1,2-Dichloroethane-d4

Concen: 28.032 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

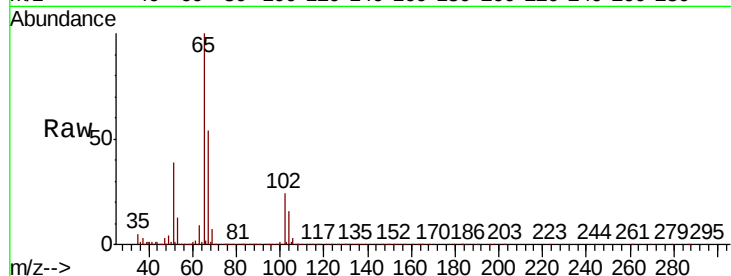
VSTDIC005

Tot Ion: 65 Resp: 102726

Ion Ratio Lower Upper

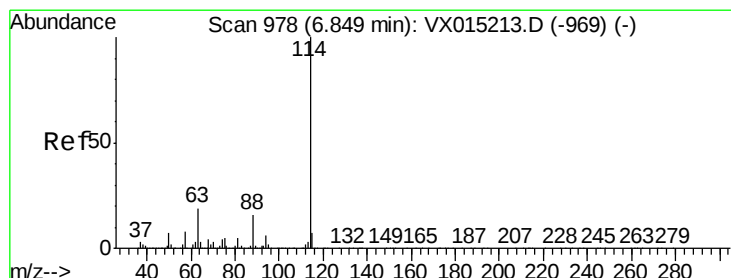
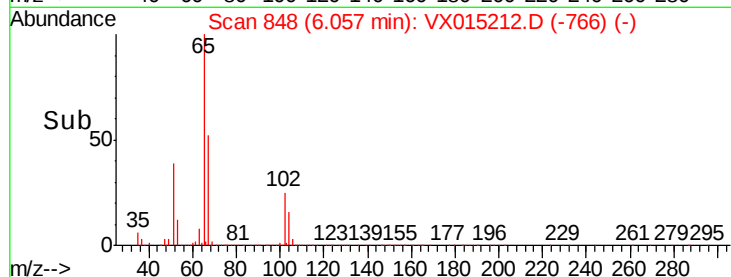
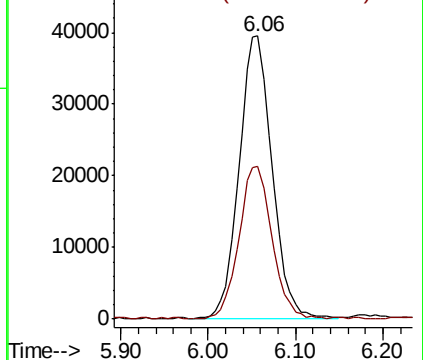
65 100

67 53.7 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

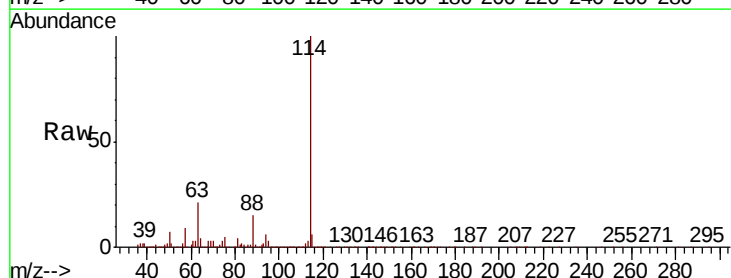
Tgt Ion: 114 Resp: 275423

Ion Ratio Lower Upper

114 100

63 19.6 15.8 23.6

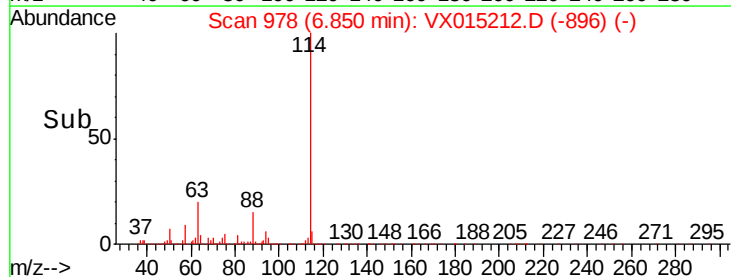
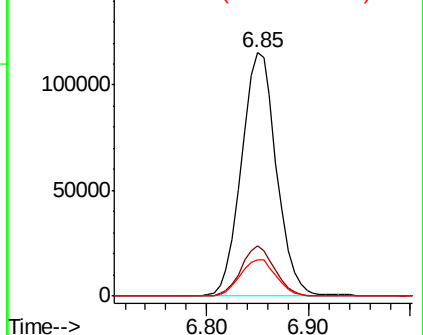
88 15.5 12.4 18.6

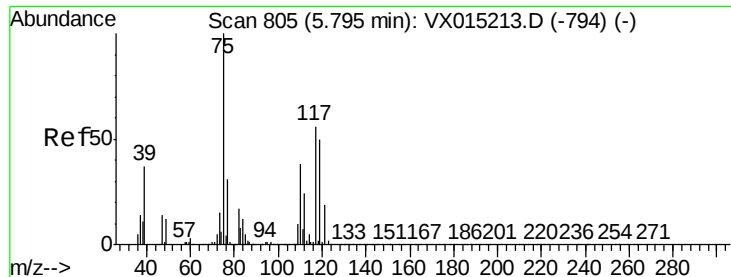


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 2.994 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

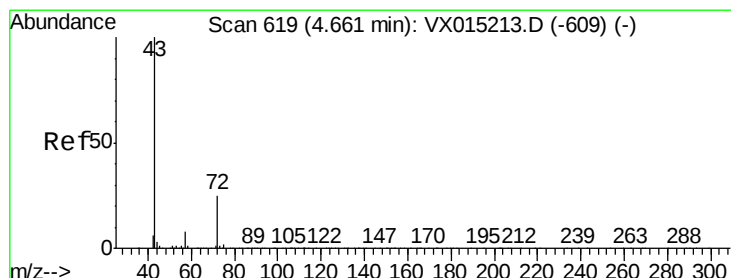
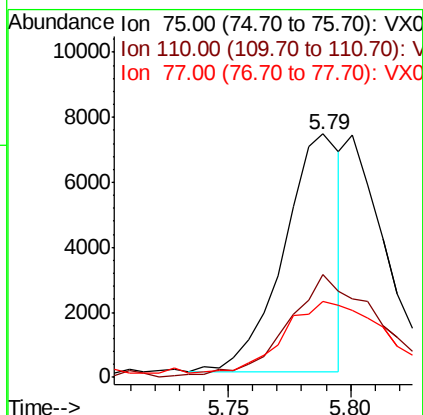
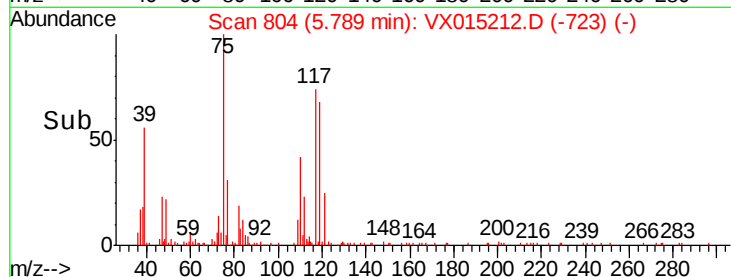
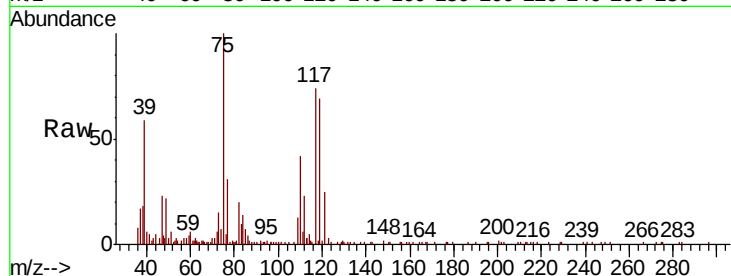
Tot Ion: 75 Resp: 11868

Ion Ratio Lower Upper

75 100

110 71.0 0.0 74.2

77 51.3 0.0 61.6



#30

2-Butanone

Concen: 24.611 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

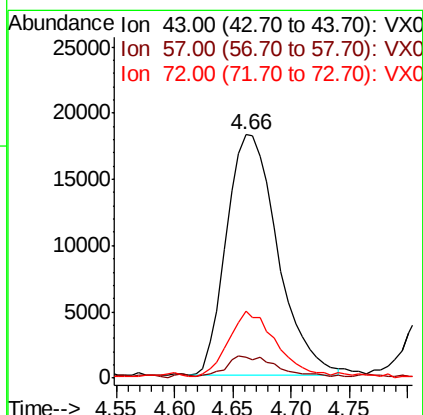
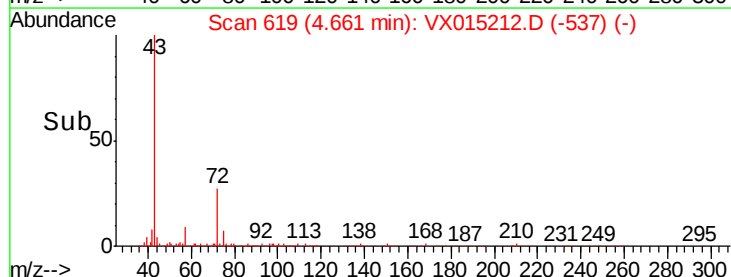
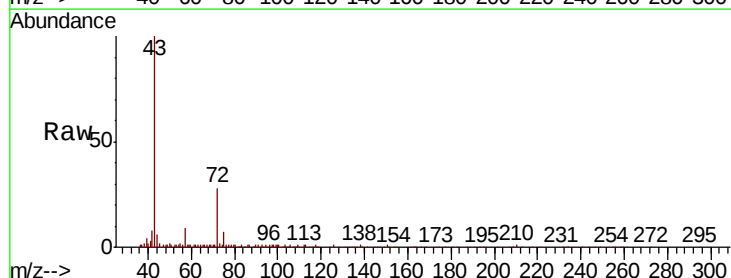
Tgt Ion: 43 Resp: 55492

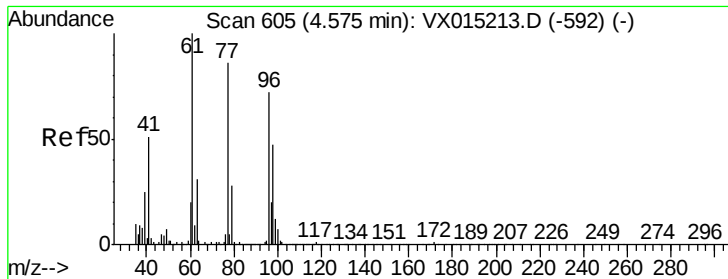
Ion Ratio Lower Upper

43 100

57 4.1 6.0 9.0#

72 25.0 20.2 30.4

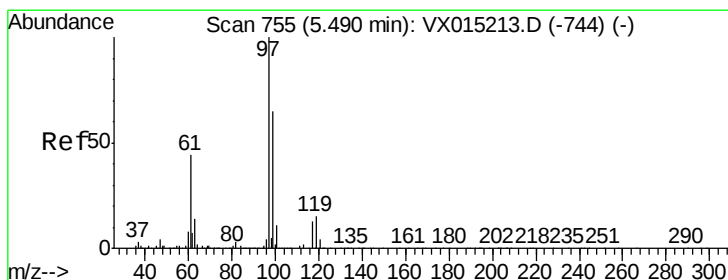
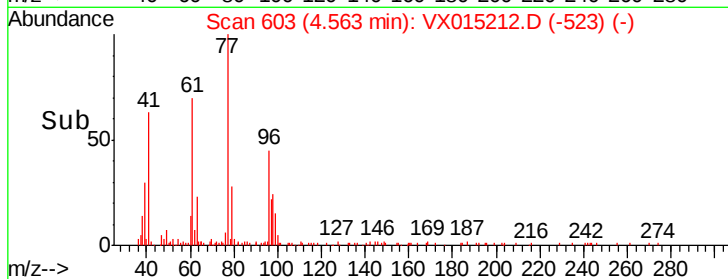
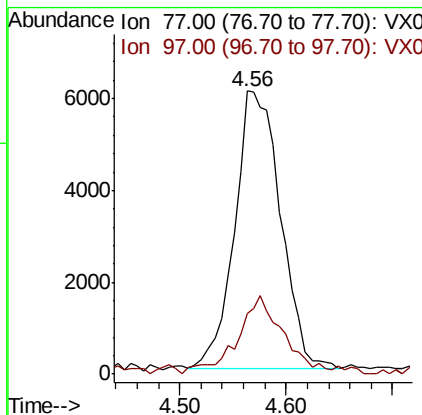
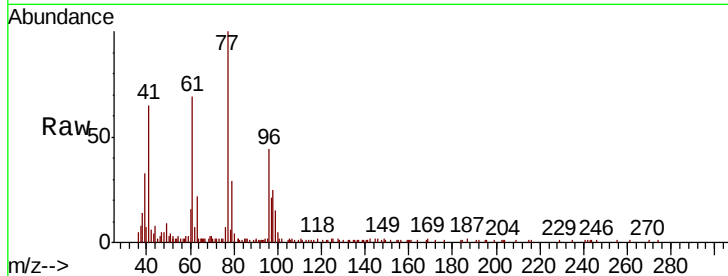




#31
 2,2-Dichloropropane
 Concen: 4.359 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

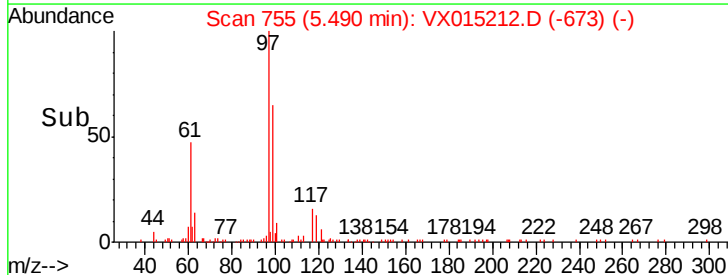
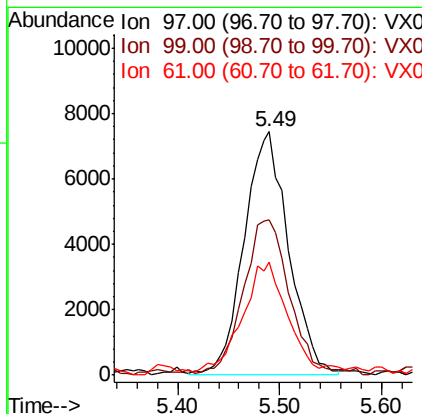
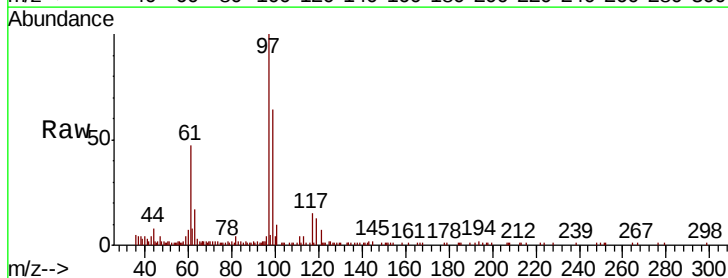
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

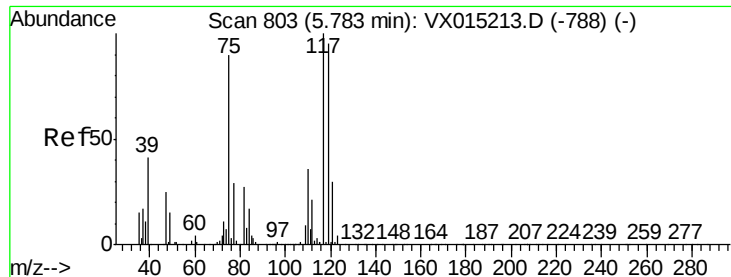
Tot Ion: 77 Resp: 18239
 Ion Ratio Lower Upper
 77 100
 97 25.5 19.4 29.2



#32
 1,1,1-Trichloroethane
 Concen: 5.067 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Tgt Ion: 97 Resp: 22613
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.8 77.6
 61 46.7 36.1 54.1





#33

Carbon Tetrachloride

Concen: 4.871 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

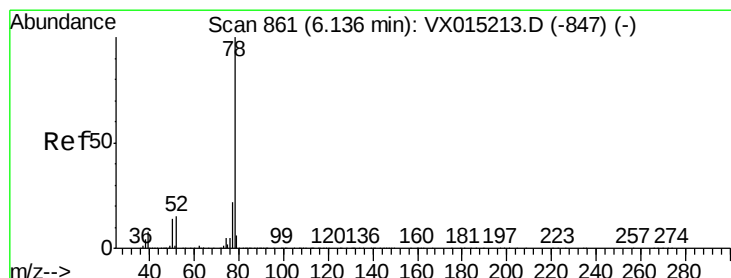
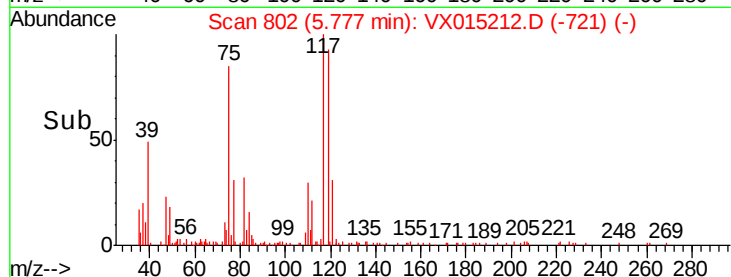
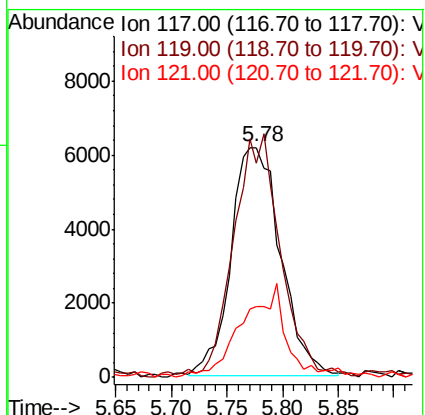
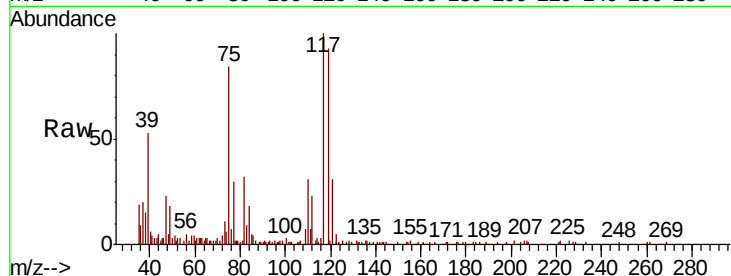
Tot Ion:117 Resp: 18986

Ion Ratio Lower Upper

117 100

119 91.6 76.2 114.2

121 27.4 24.2 36.4



#34

Benzene

Concen: 5.380 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

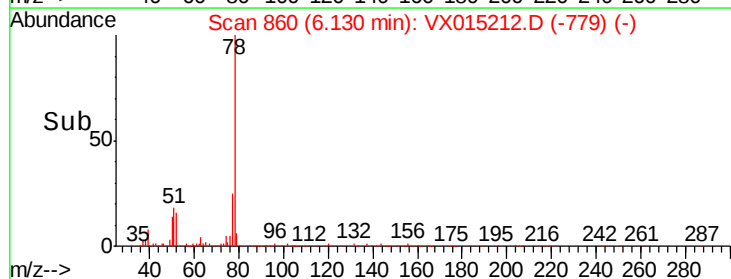
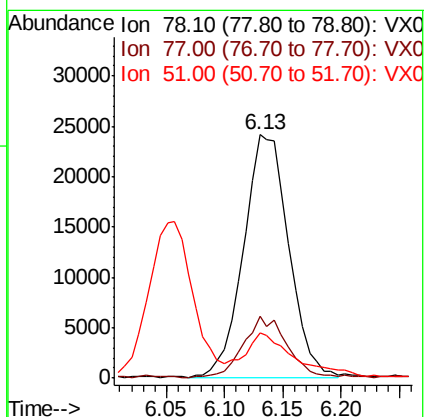
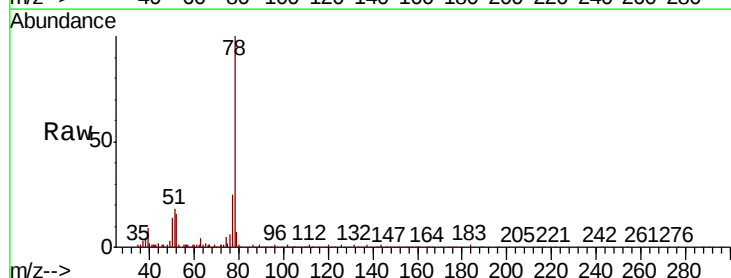
Tgt Ion: 78 Resp: 64748

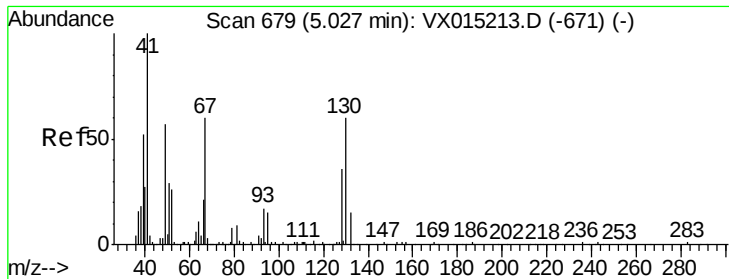
Ion Ratio Lower Upper

78 100

77 25.1 17.9 26.9

51 15.3 13.4 20.0

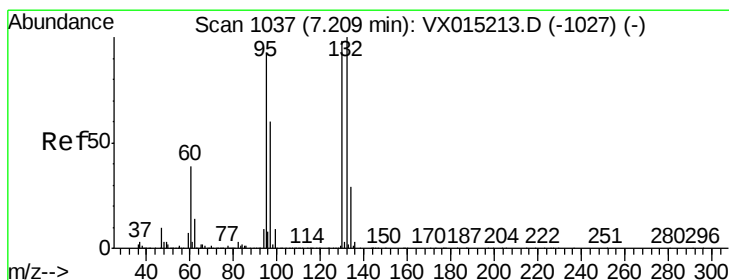
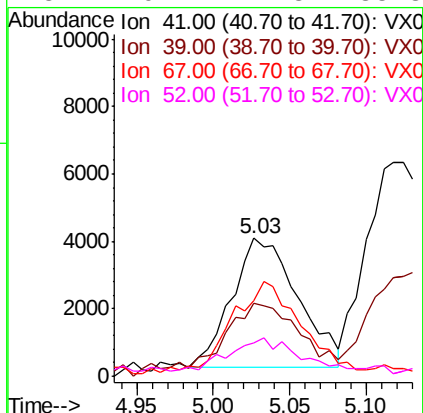
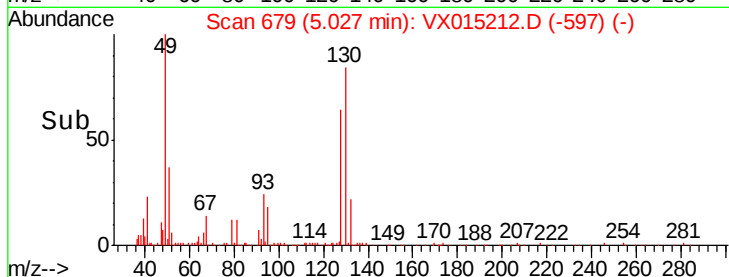
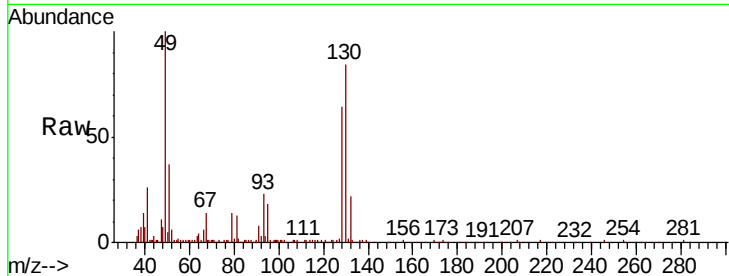




#35
Methacrylonitrile
Concen: 4.872 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

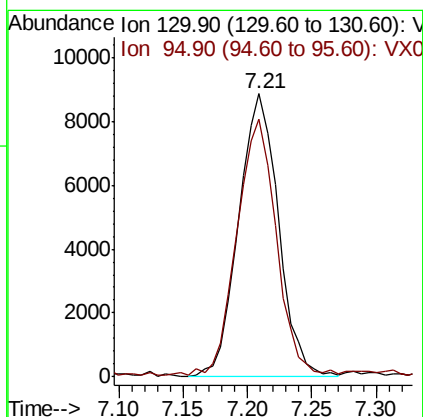
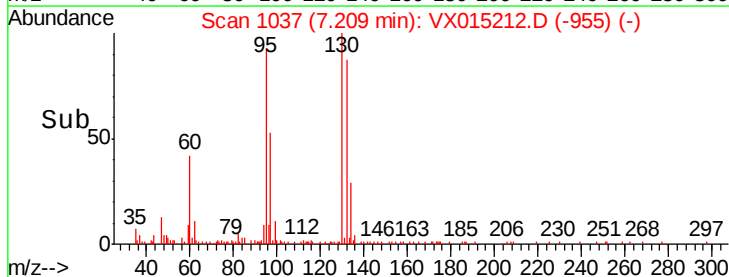
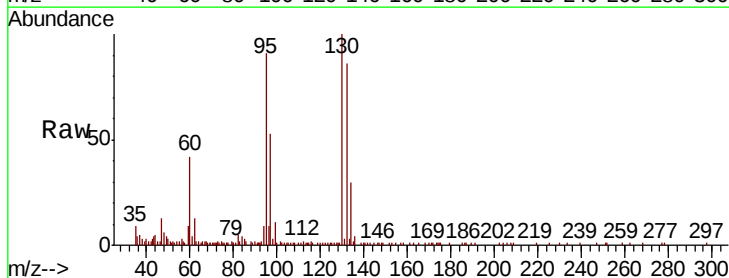
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

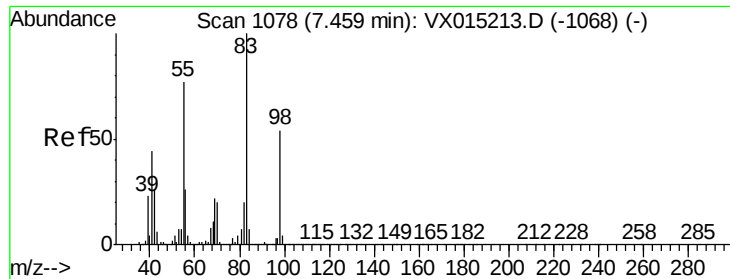
Tot Ion:	41	Resp:	11451
Ion	Ratio	Lower	Upper
41	100		
39	50.5	25.9	77.6
67	48.9	29.4	88.2
52	19.2	12.8	38.3



#37
Trichloroethene
Concen: 5.617 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion:	130	Resp:	19001
Ion	Ratio	Lower	Upper
130	100		
95	91.0	75.4	113.2

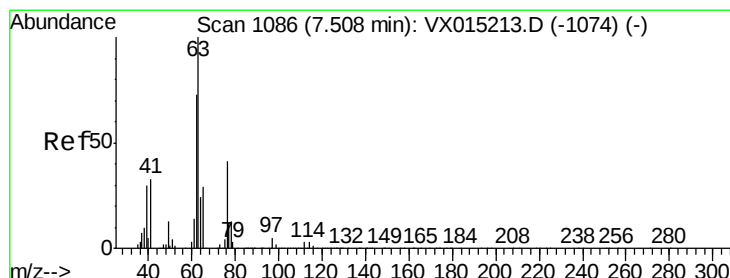
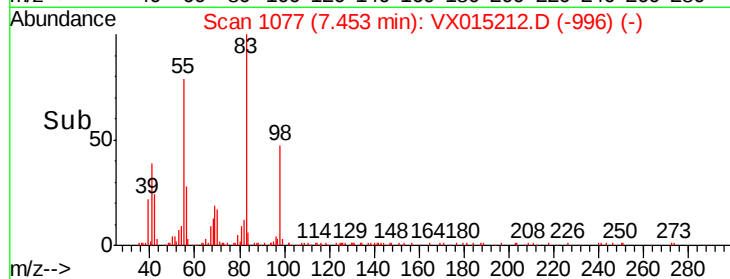
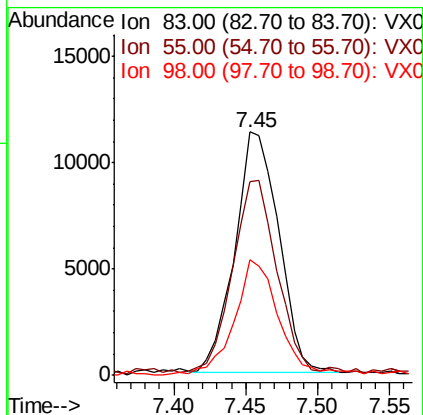
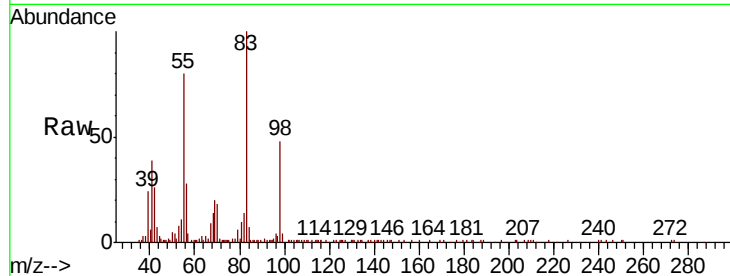




#38
Methylcyclohexane
Concen: 4.947 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

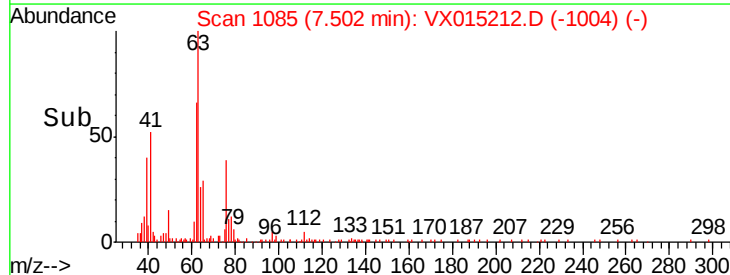
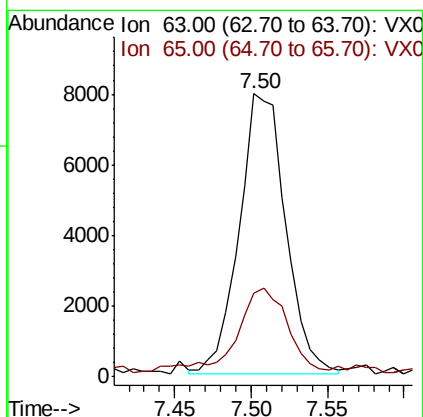
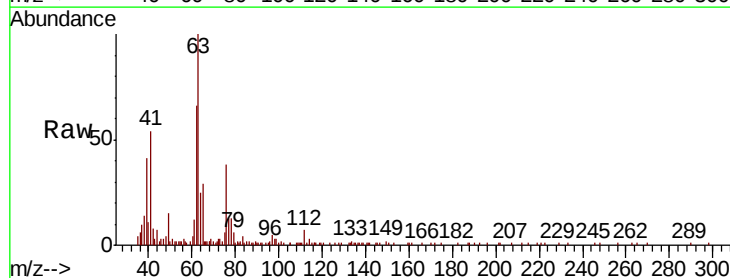
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

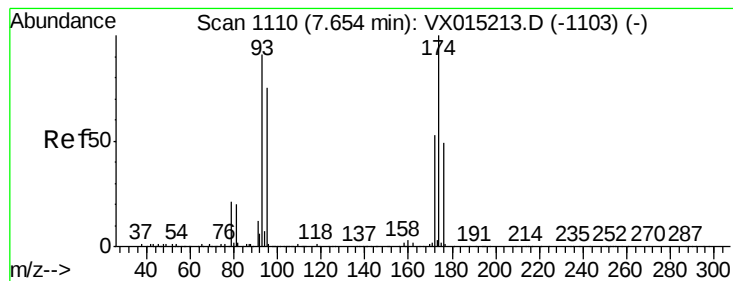
Tot Ion: 83 Resp: 24093
Ion Ratio Lower Upper
83 100
55 82.7 39.9 119.6
98 47.3 24.8 74.3



#39
1,2-Dichloropropane
Concen: 5.371 ug/l
RT: 7.50 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion: 63 Resp: 16735
Ion Ratio Lower Upper
63 100
65 26.1 23.8 35.8





#40

Dibromomethane

Concen: 5.563 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

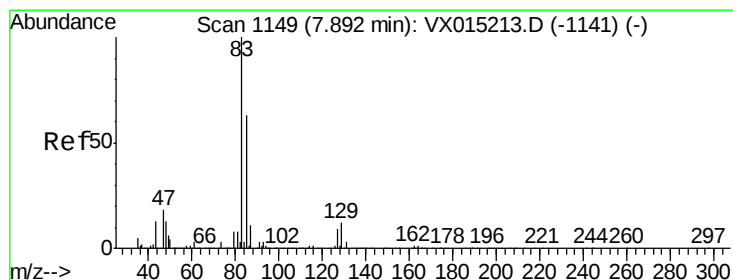
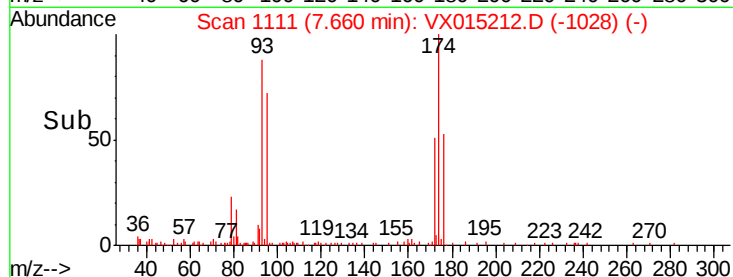
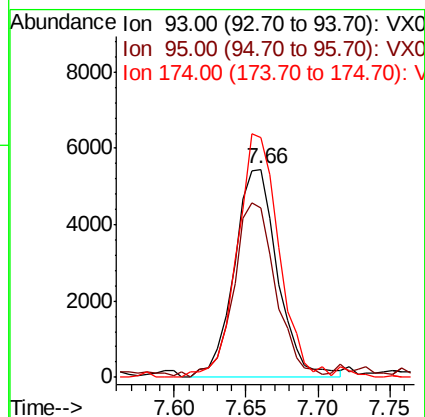
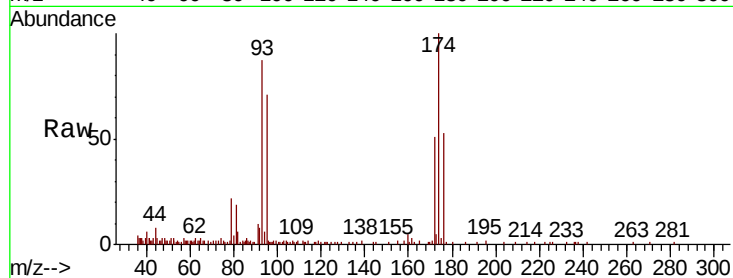
Tot Ion: 93 Resp: 11451

Ion Ratio Lower Upper

93 100

95 81.0 0.0 159.6

174 111.0 0.0 225.2



#41

Bromodichloromethane

Concen: 4.885 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

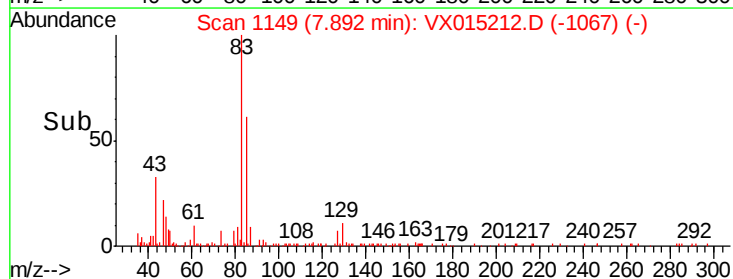
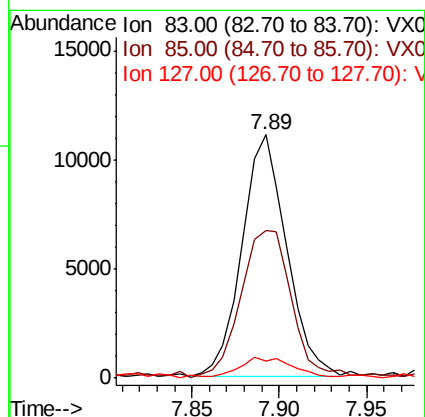
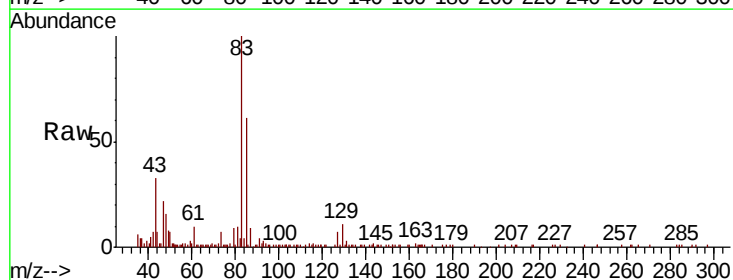
Tgt Ion: 83 Resp: 19677

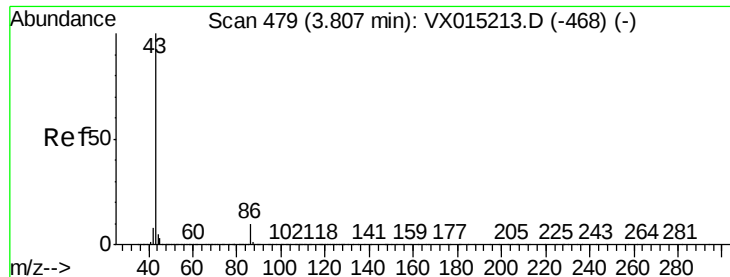
Ion Ratio Lower Upper

83 100

85 61.6 50.0 75.0

127 6.5 7.1 10.7#





#42

Vinyl Acetate

Concen: 25.553 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

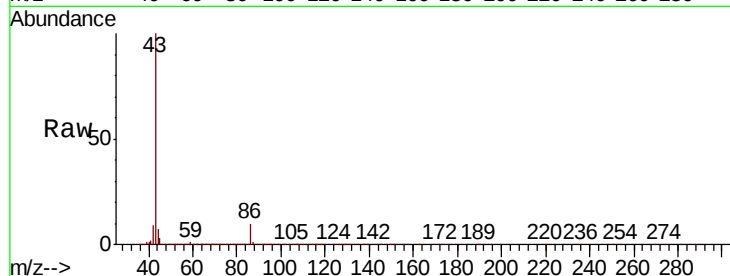
VSTDIC005

Tot Ion: 43 Resp: 207924

Ion Ratio Lower Upper

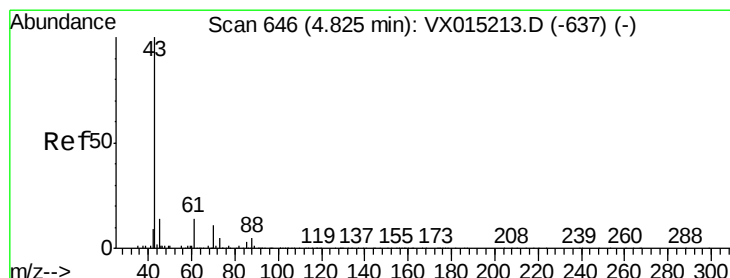
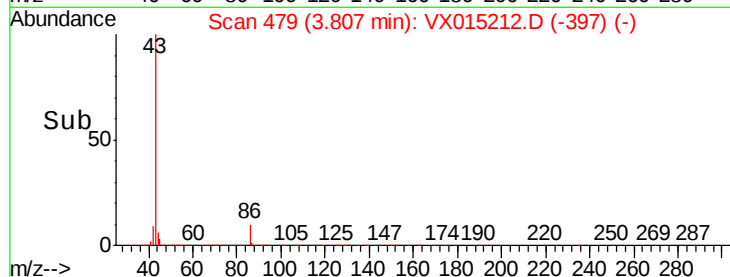
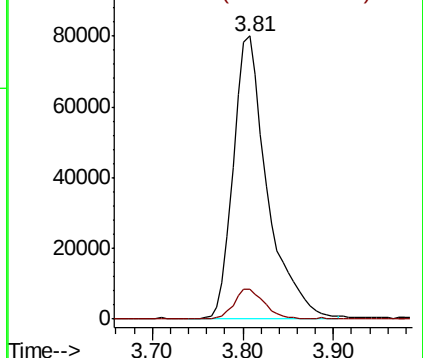
43 100

86 9.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 5.316 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.01 min

Lab File: VX015212.D

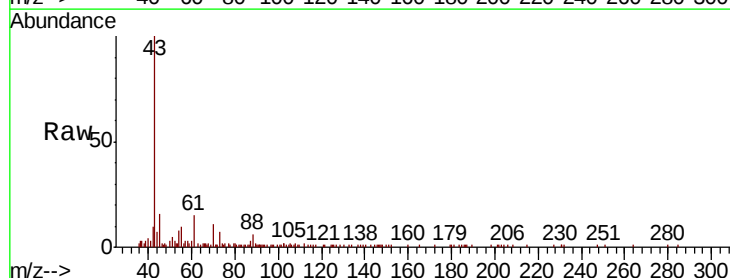
Acq: 11 Mar 2020 19:56

Tgt Ion: 43 Resp: 22334

Ion Ratio Lower Upper

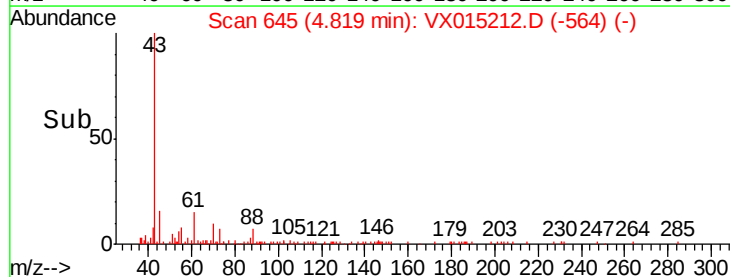
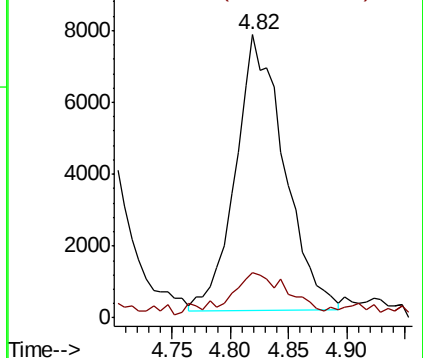
43 100

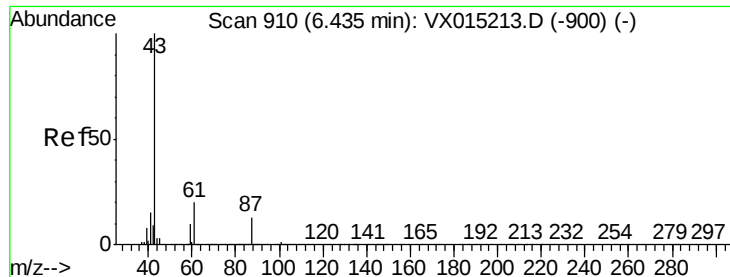
45 8.0 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



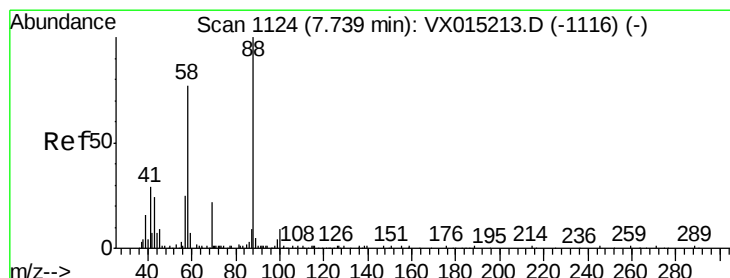
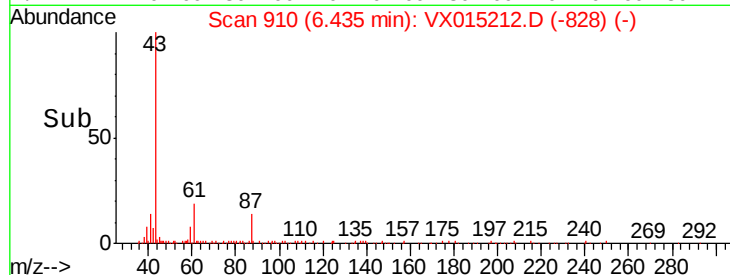
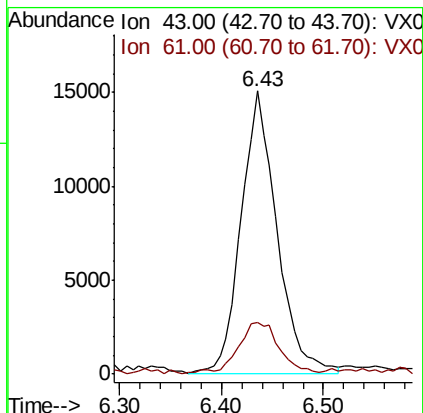
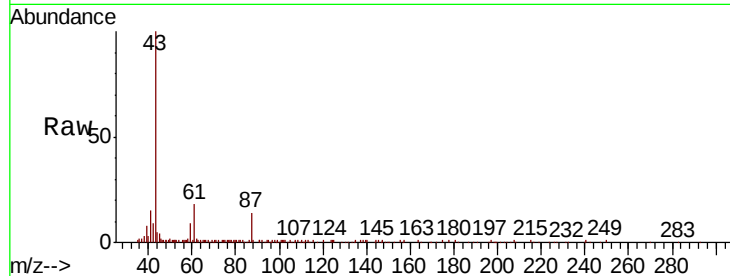


#44

Isopropyl Acetate
 Concen: 5.326 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

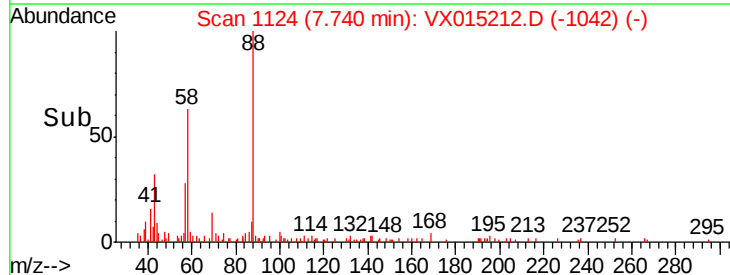
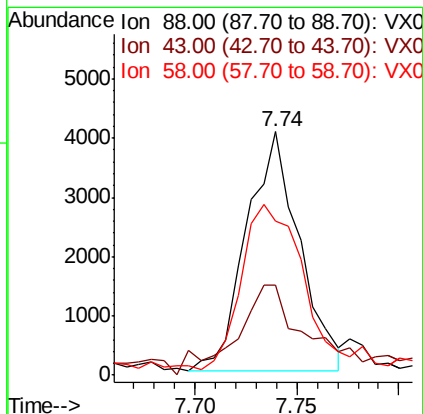
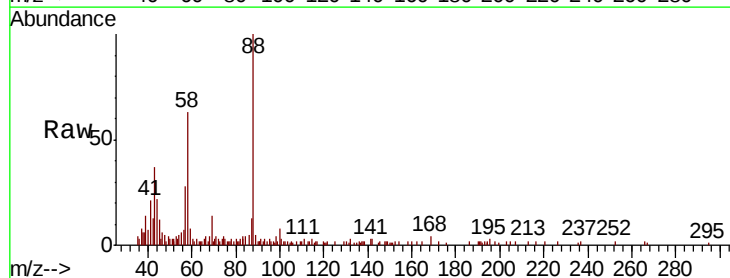
Tot Ion: 43 Resp: 37033
 Ion Ratio Lower Upper
 43 100
 61 18.7 16.7 25.1

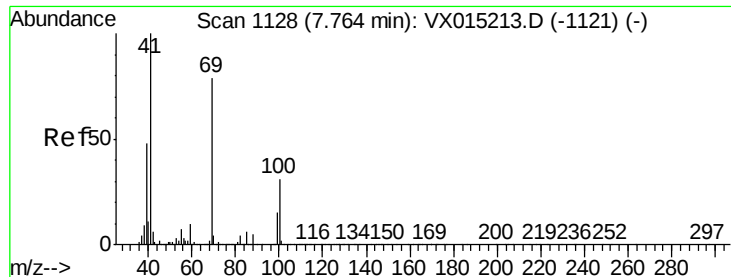


#45

1,4-Dioxane
 Concen: 110.087 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Tgt Ion: 88 Resp: 7289
 Ion Ratio Lower Upper
 88 100
 43 38.7 24.8 37.2#
 58 79.7 59.7 89.5

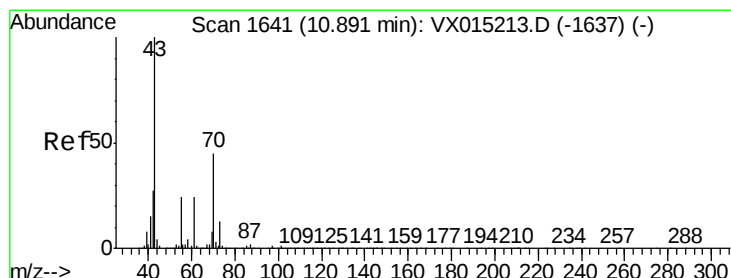
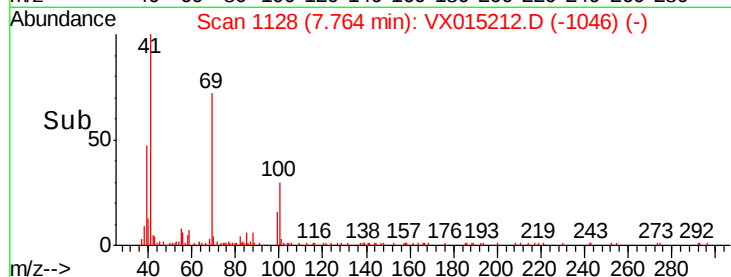
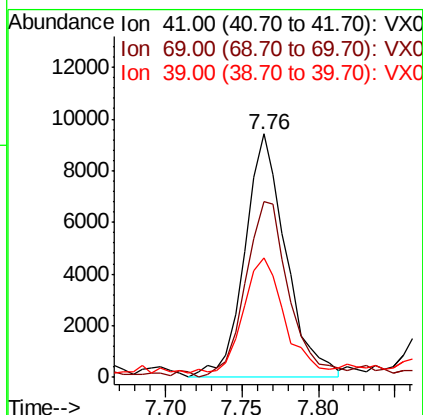
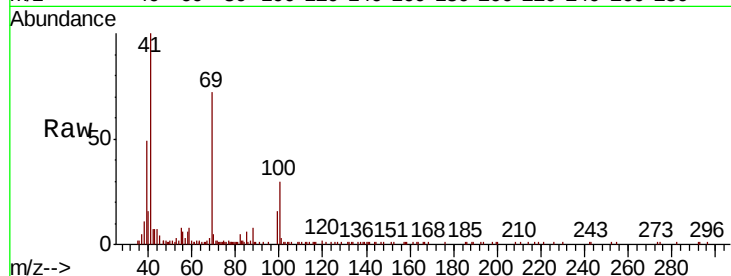




#46
Methyl methacrylate
Concen: 5.095 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

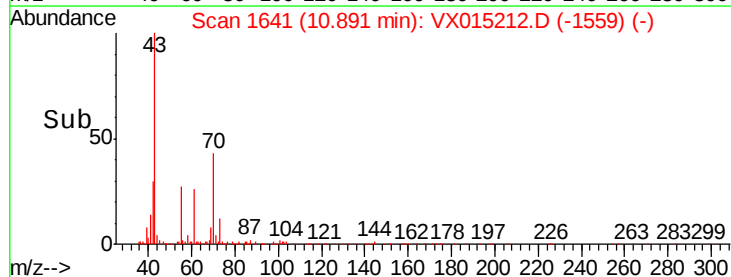
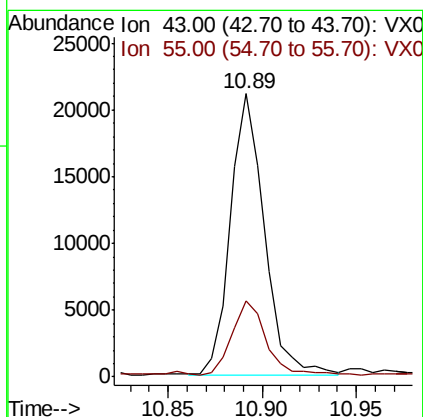
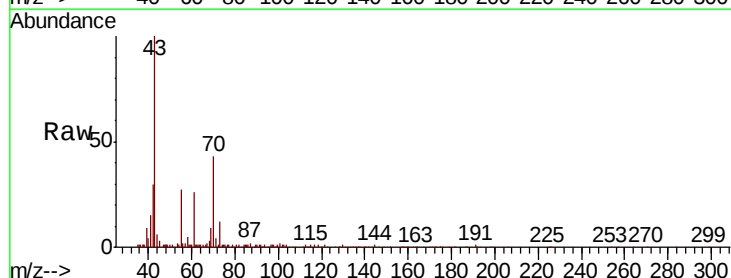
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

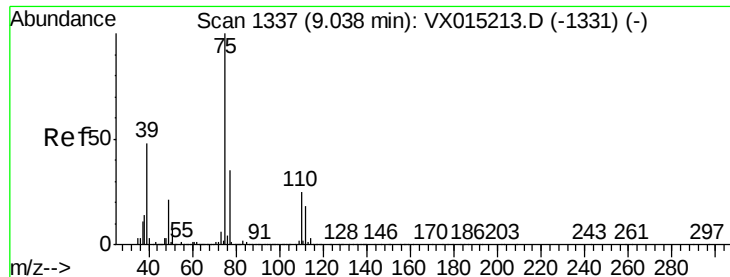
Tot Ion: 41 Resp: 17579
Ion Ratio Lower Upper
41 100
69 69.8 39.6 118.7
39 47.1 23.5 70.6



#47
n-ethyl acetate
Concen: 4.378 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion: 43 Resp: 26306
Ion Ratio Lower Upper
43 100
55 25.8 20.2 30.2





#48

t-1,3-Dichloropropene

Concen: 4.421 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

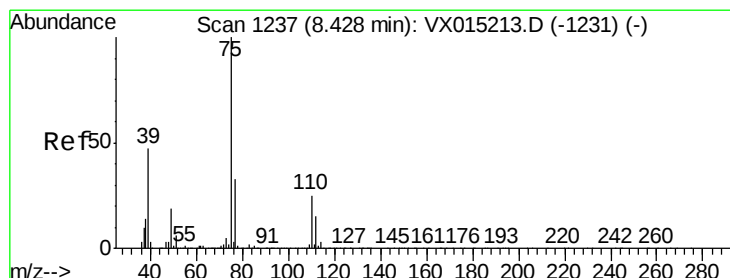
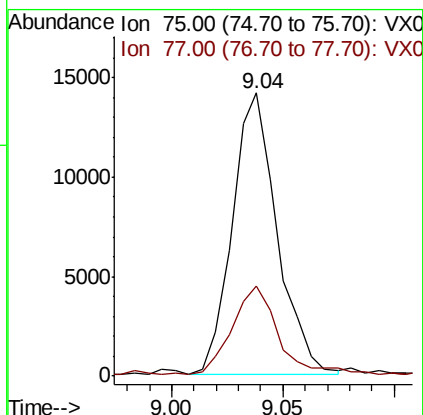
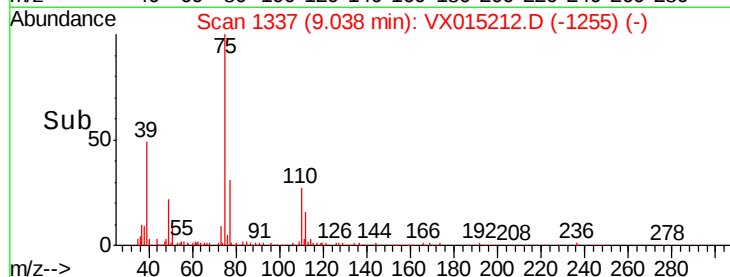
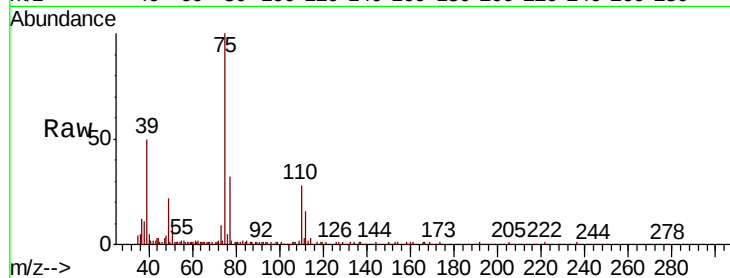
VSTDIC005

Tot Ion: 75 Resp: 19729

Ion Ratio Lower Upper

75 100

77 31.9 27.7 41.5



#49

cis-1,3-Dichloropropene

Concen: 4.775 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

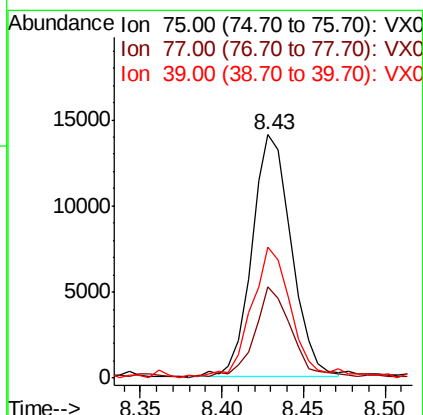
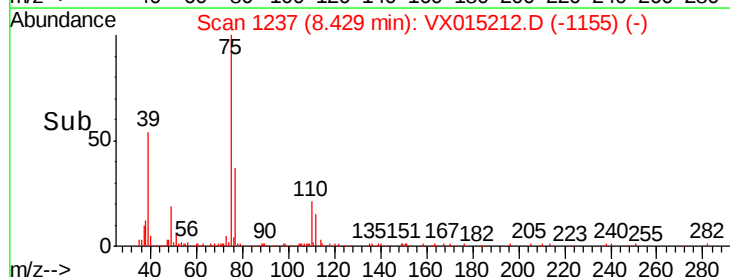
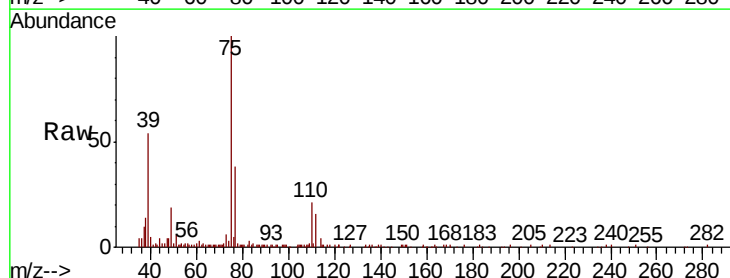
Tgt Ion: 75 Resp: 23590

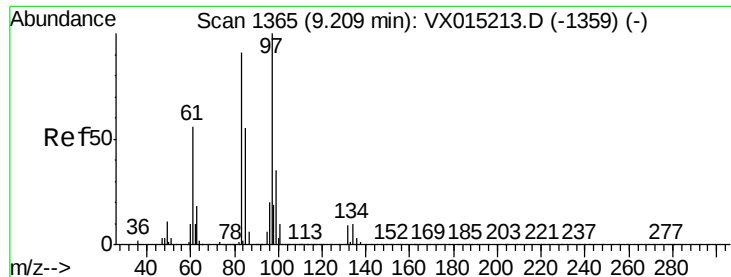
Ion Ratio Lower Upper

75 100

77 37.1 26.5 39.7

39 53.1 37.4 56.2

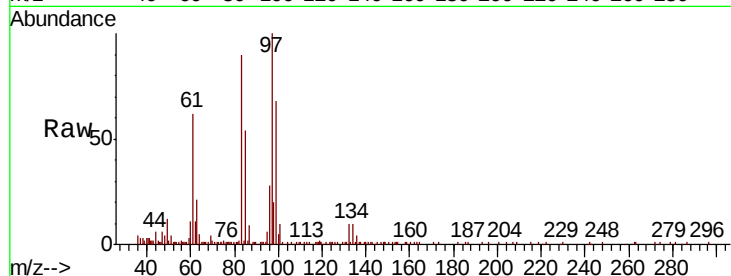




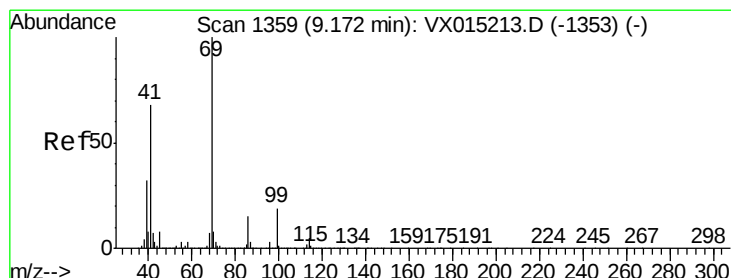
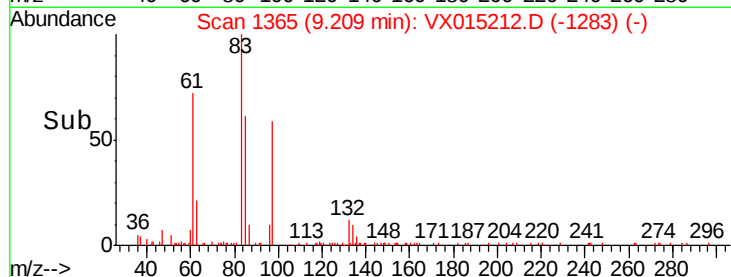
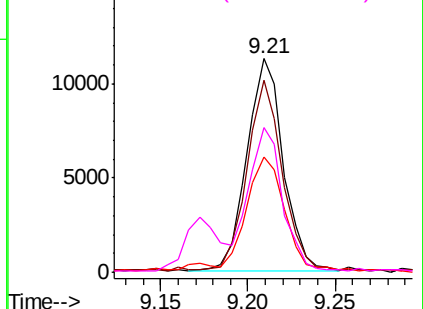
#50
 1,1,2-Trichloroethane
 Concen: 5.325 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	16319
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.4	108.6
85	53.1	46.6	69.8
99	67.0	51.9	77.9

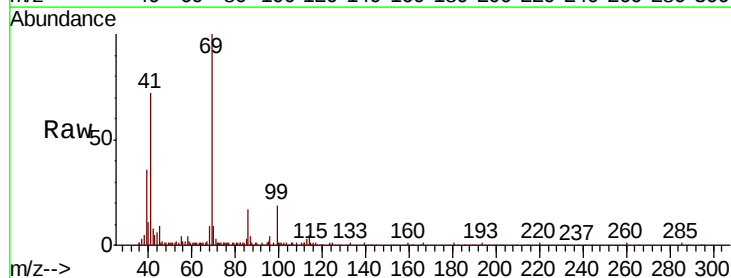


Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0

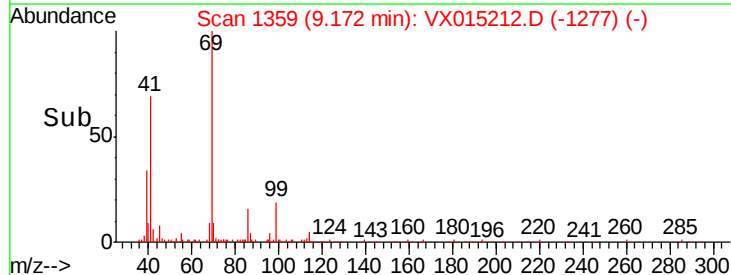
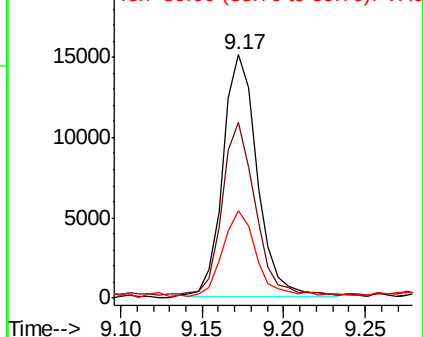


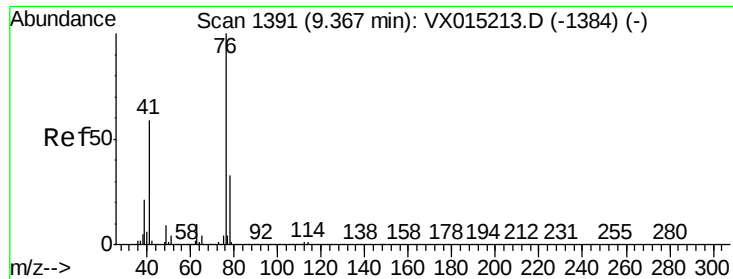
#51
 Ethyl methacrylate
 Concen: 4.640 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Tgt Ion:	69	Resp:	21932
Ion	Ratio	Lower	Upper
69	100		
41	71.8	33.8	101.3
39	35.7	16.1	48.2



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: 5.310 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

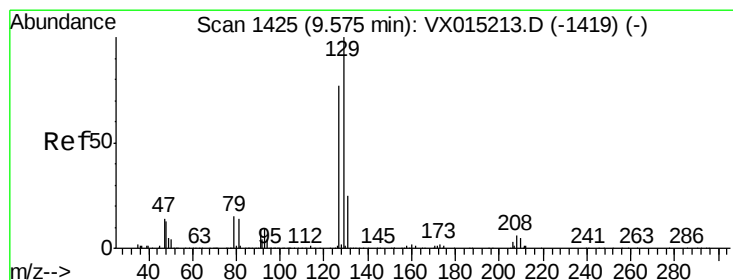
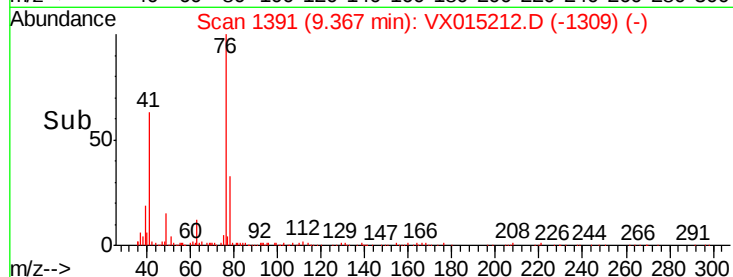
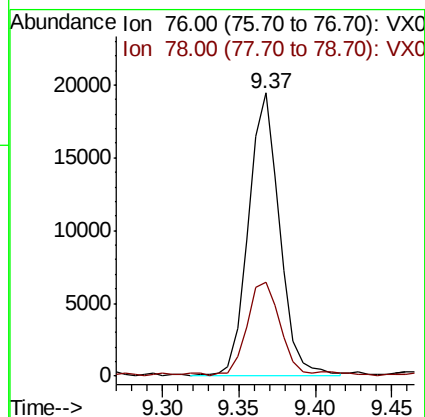
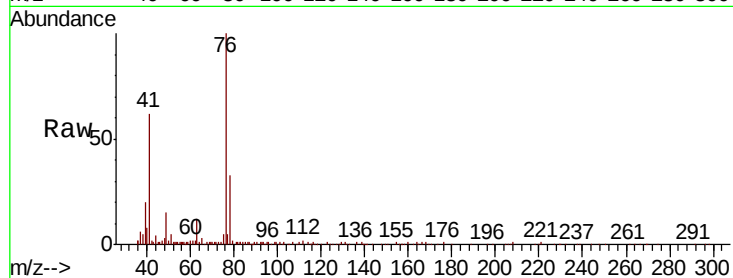
VSTDIC005

Tot Ion: 76 Resp: 27550

Ion Ratio Lower Upper

76 100

78 33.5 0.0 65.0



#53

Dibromochloromethane

Concen: 4.895 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX015212.D

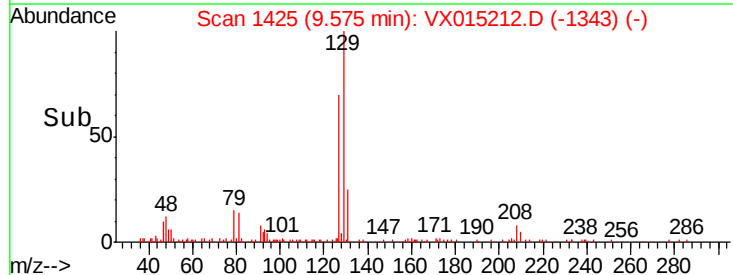
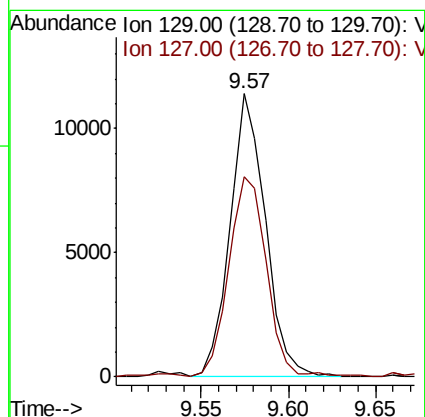
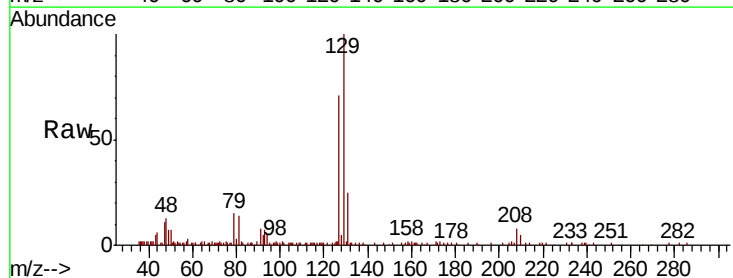
Acq: 11 Mar 2020 19:56

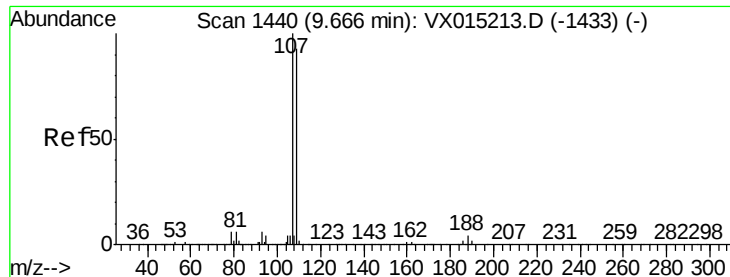
Tgt Ion: 129 Resp: 16068

Ion Ratio Lower Upper

129 100

127 74.5 38.6 115.8





#54

1,2-Dibromoethane

Concen: 5.129 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

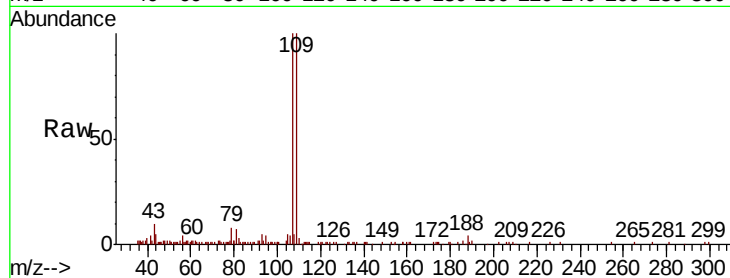
VSTDIC005

Tot Ion: 107 Resp: 16656

Ion Ratio Lower Upper

107 100

109 97.5 75.4 113.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

12000

10000

8000

6000

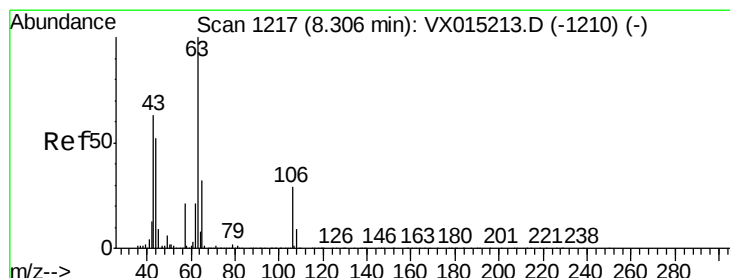
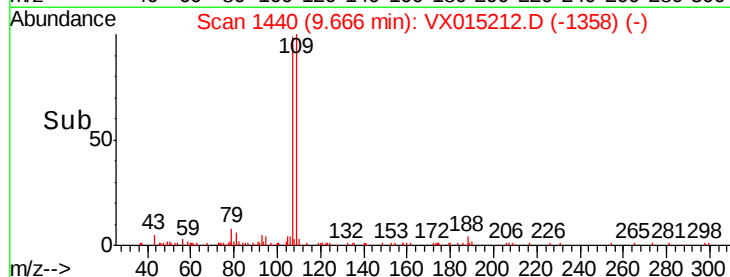
4000

2000

0

Time-->

9.60 9.65 9.70



#55

2-Chloroethyl vinyl ether

Concen: 23.205 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

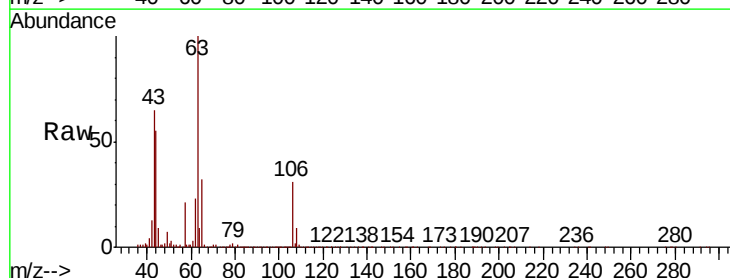
Tgt Ion: 63 Resp: 58021

Ion Ratio Lower Upper

63 100

65 32.6 25.9 38.9

106 29.6 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V

8.31

50000

40000

30000

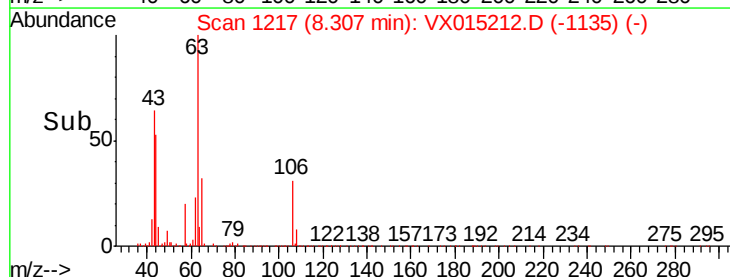
20000

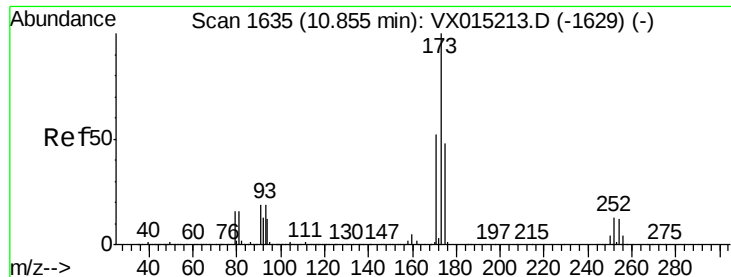
10000

0

Time-->

8.25 8.30 8.35 8.40

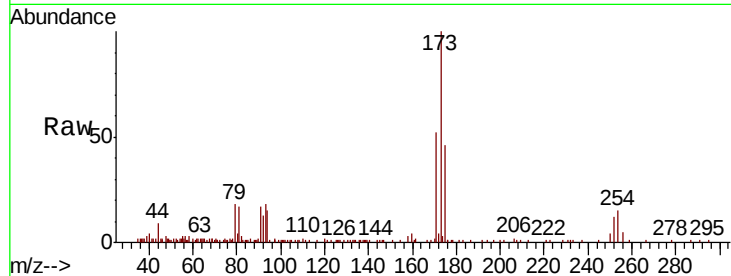




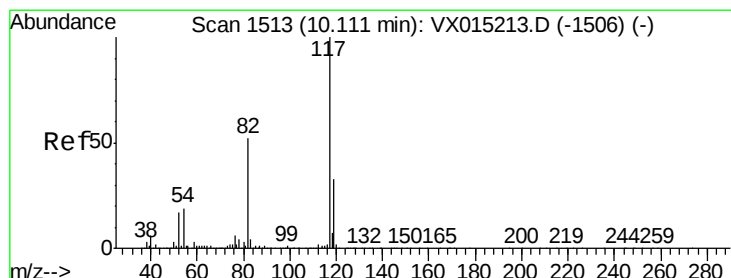
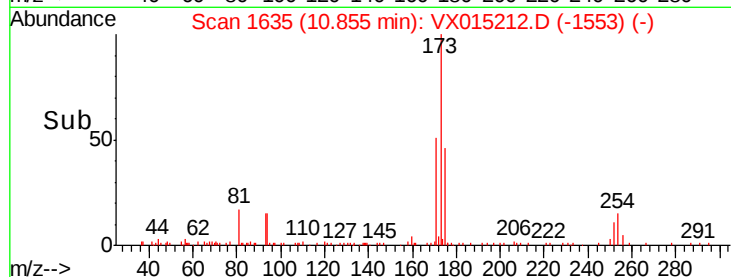
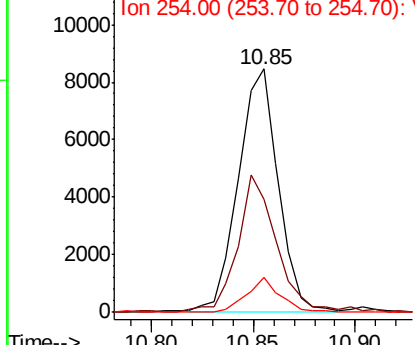
#56
Bromoform
Concen: 4.511 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:173 Resp: 11534
Ion Ratio Lower Upper
173 100
175 54.0 40.0 60.0
254 12.0 9.1 13.7

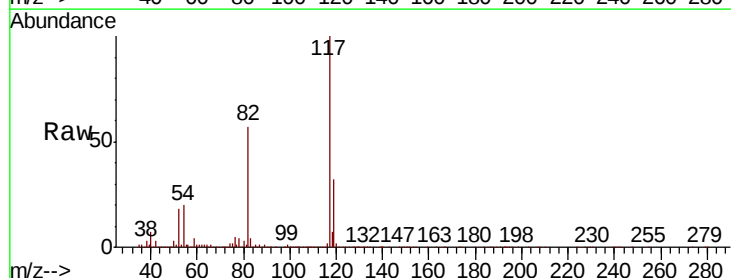


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

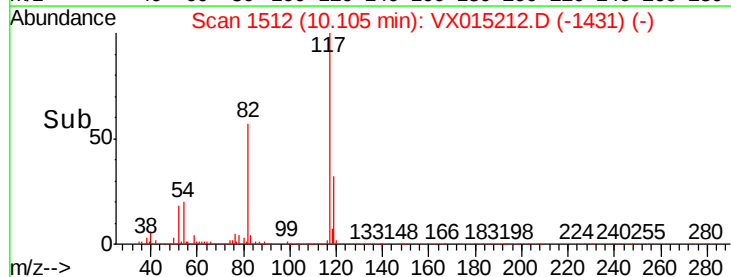
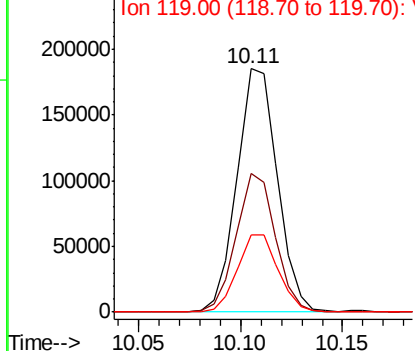


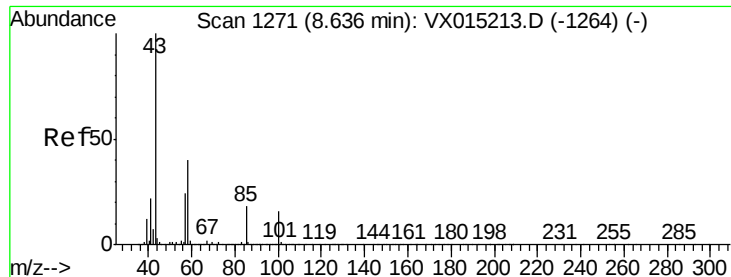
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion:117 Resp: 255933
Ion Ratio Lower Upper
117 100
82 55.2 43.6 65.4
119 32.3 25.9 38.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

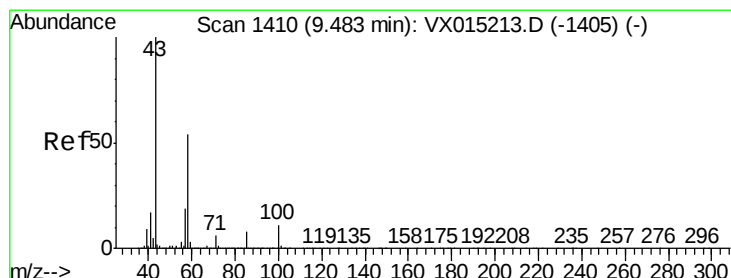
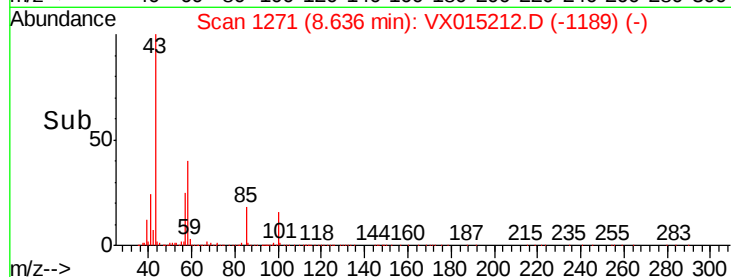
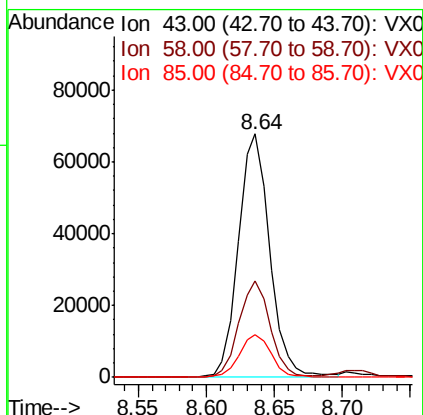
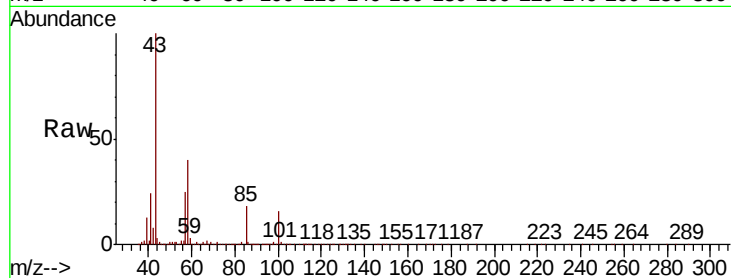




#58
4-Methyl-2-Pentanone
Concen: 25.374 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

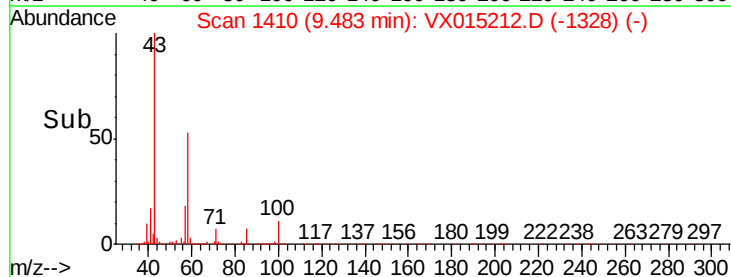
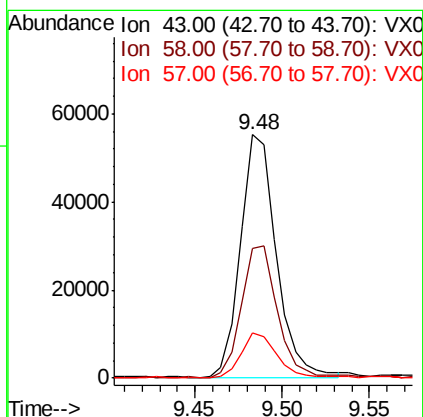
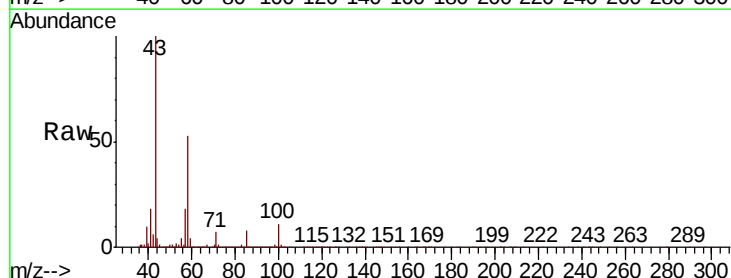
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

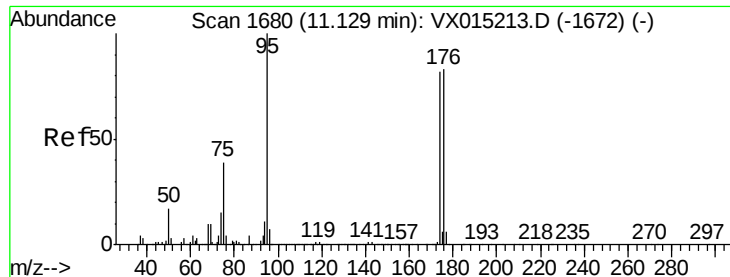
Tot Ion:	43	Resp:	108552
Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.8	47.8
85	17.5	13.8	20.6



#59
2-Hexanone
Concen: 24.109 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion:	43	Resp:	79418
Ion	Ratio	Lower	Upper
43	100		
58	53.1	44.2	66.4
57	17.7	15.0	22.4

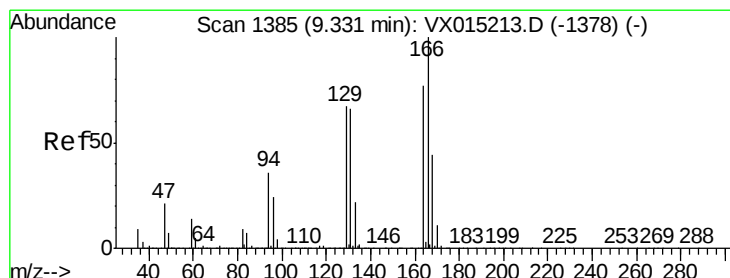
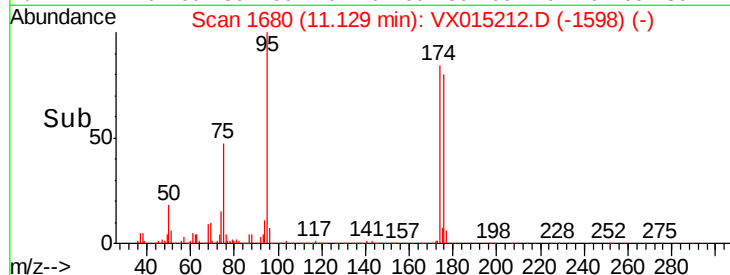
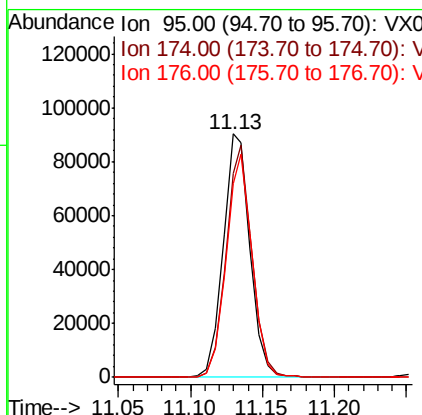
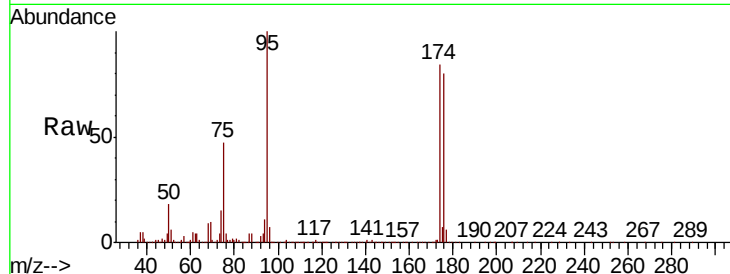




#60
4-Bromofluorobenzene
Concen: 29.648 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

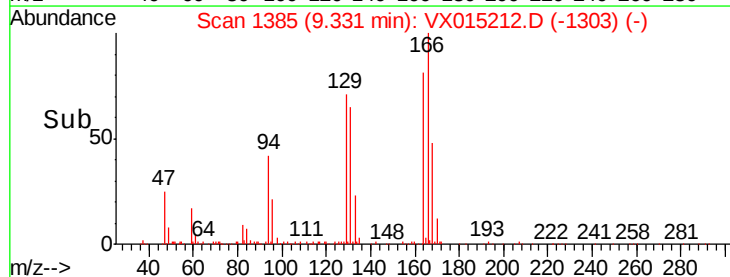
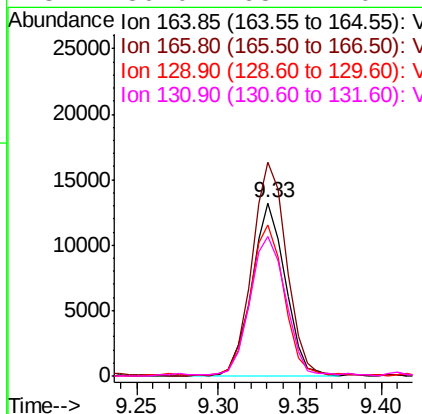
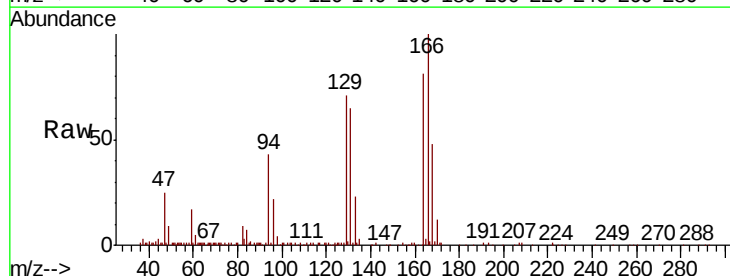
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

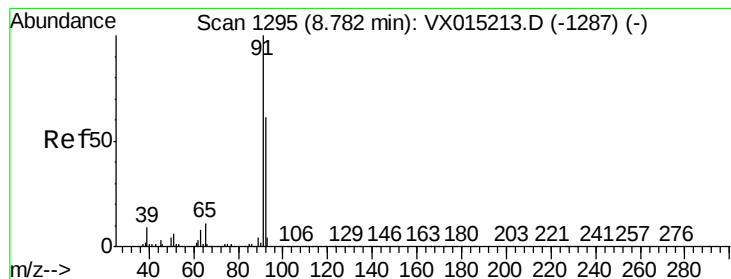
Tot Ion: 95 Resp: 118064
Ion Ratio Lower Upper
95 100
174 91.8 71.9 107.9
176 88.6 71.1 106.7



#61
Tetrachloroethene
Concen: 5.463 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion: 164 Resp: 19014
Ion Ratio Lower Upper
164 100
166 123.3 103.4 155.2
129 87.0 69.1 103.7
131 80.0 68.1 102.1





#62

Toluene

Concen: 5.313 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

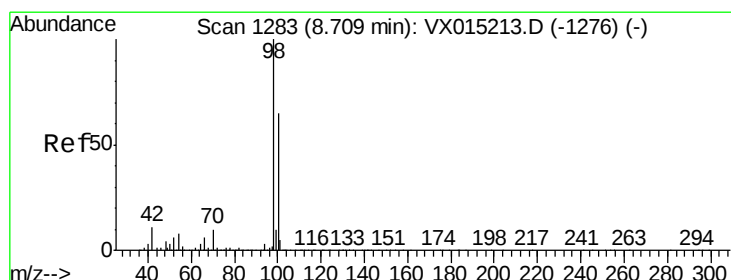
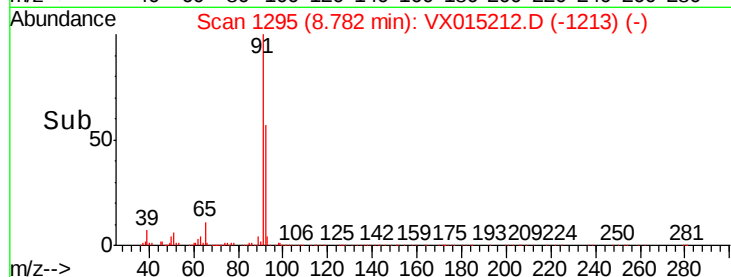
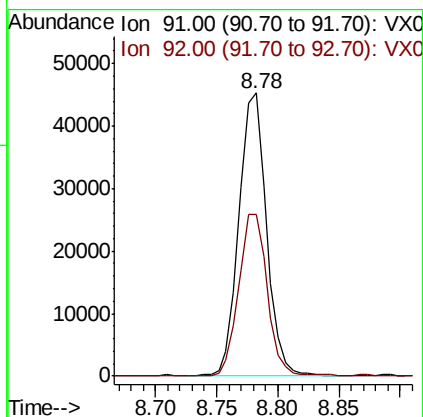
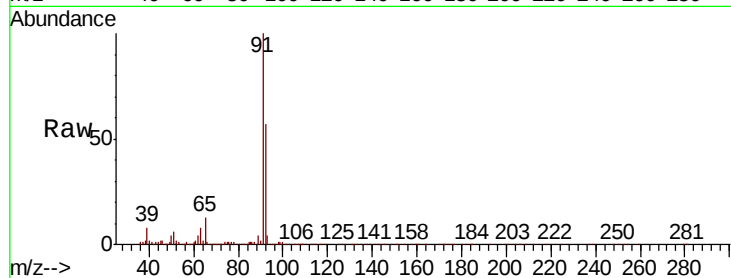
VSTDIC005

Tot Ion: 91 Resp: 70299

Ion Ratio Lower Upper

91 100

92 58.9 46.9 70.3



#63

Toluene-d8

Concen: 30.790 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015212.D

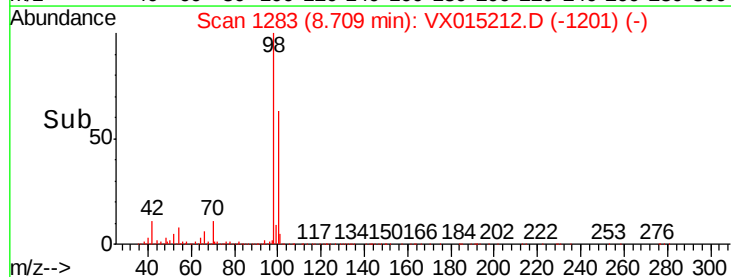
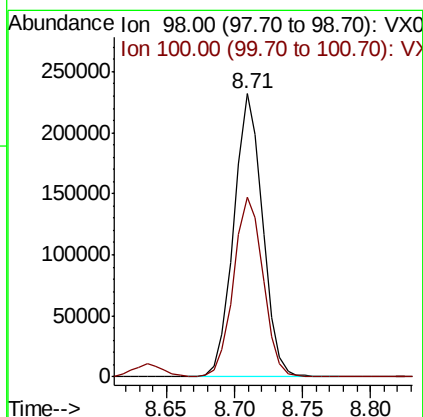
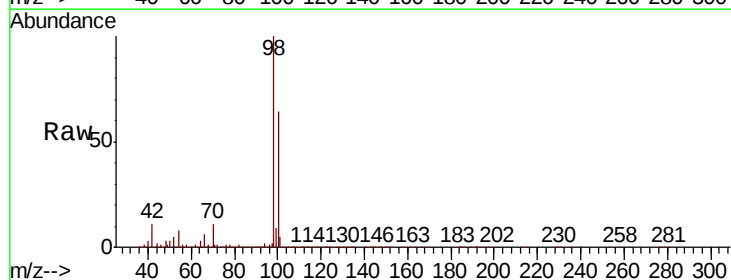
Acq: 11 Mar 2020 19:56

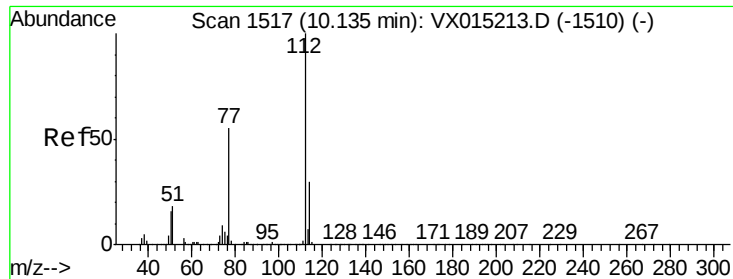
Tgt Ion: 98 Resp: 342618

Ion Ratio Lower Upper

98 100

100 65.0 53.3 79.9





#64

Chlorobenzene

Concen: 5.325 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

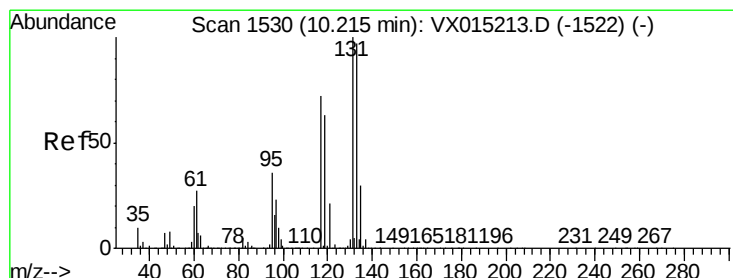
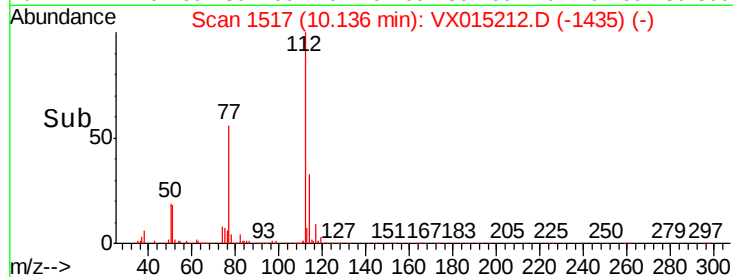
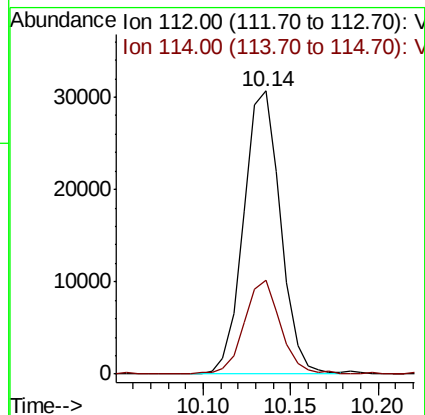
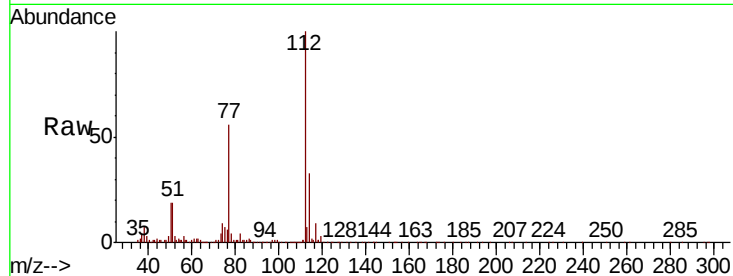
VSTDIC005

Tot Ion:112 Resp: 44935

Ion Ratio Lower Upper

112 100

114 32.9 24.3 36.5



#65

1,1,1,2-Tetrachloroethane

Concen: 5.000 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

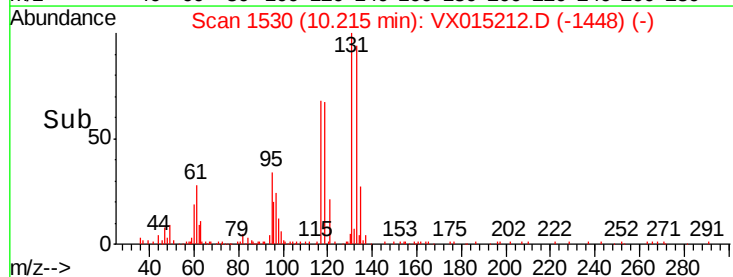
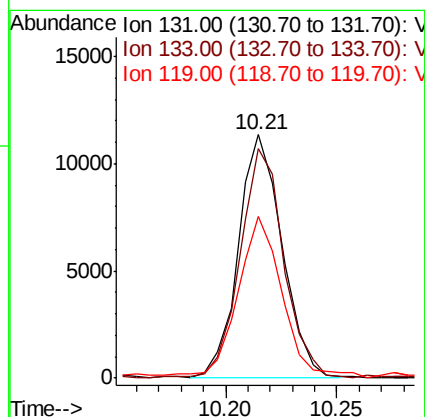
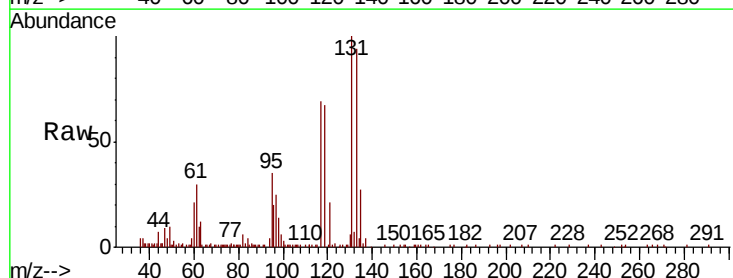
Tgt Ion:131 Resp: 15605

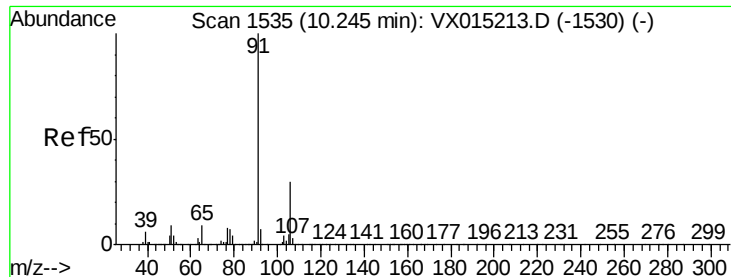
Ion Ratio Lower Upper

131 100

133 94.3 0.0 190.6

119 66.6 0.0 131.2





#66

Ethyl Benzene

Concen: 4.973 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

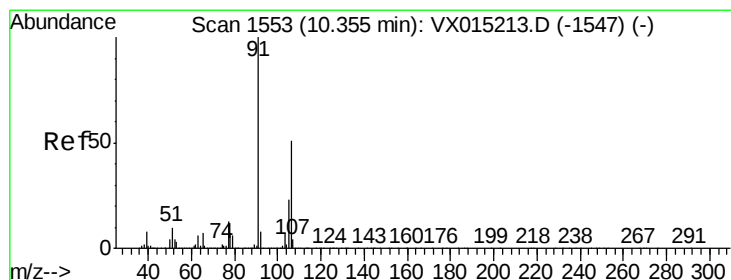
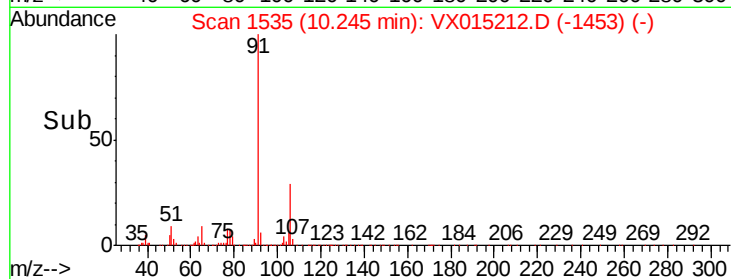
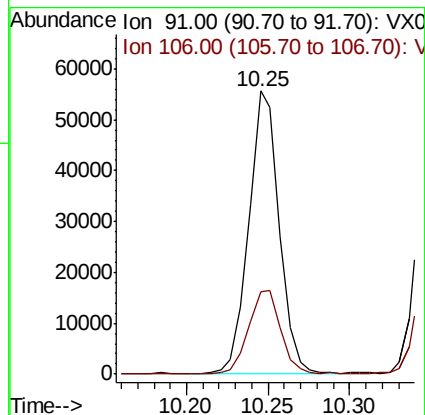
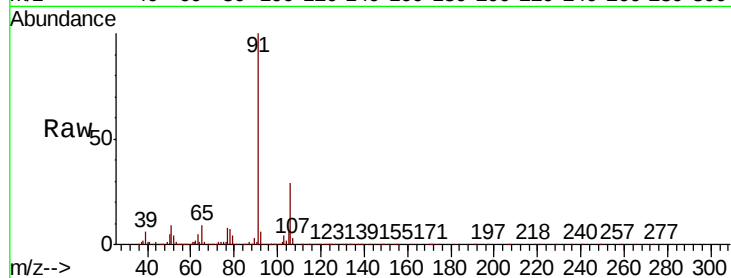
VSTDIC005

Tot Ion: 91 Resp: 72293

Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.4



#67

m/p-Xylenes

Concen: 9.845 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015212.D

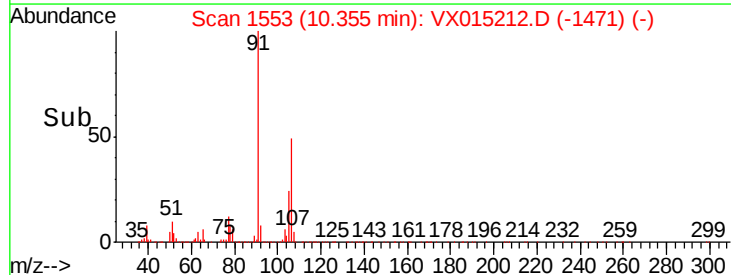
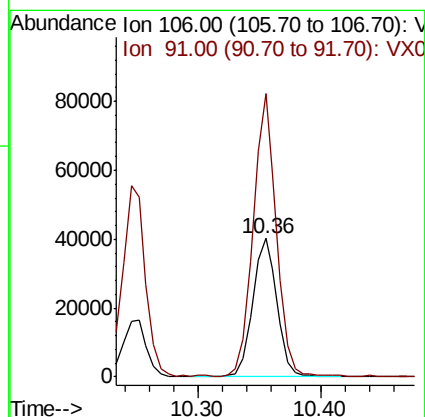
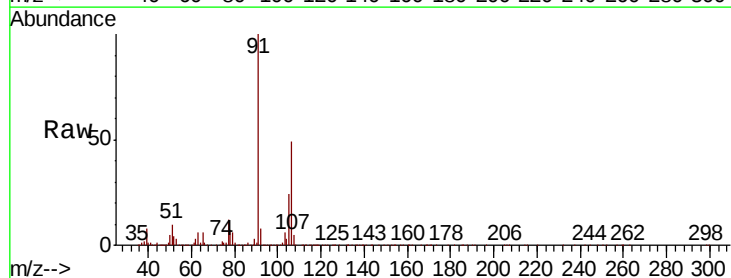
Acq: 11 Mar 2020 19:56

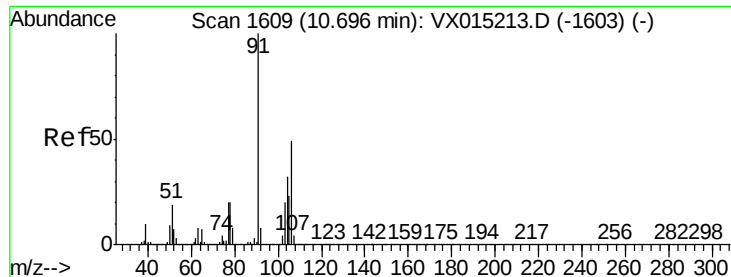
Tgt Ion: 106 Resp: 55196

Ion Ratio Lower Upper

106 100

91 196.4 158.2 237.2

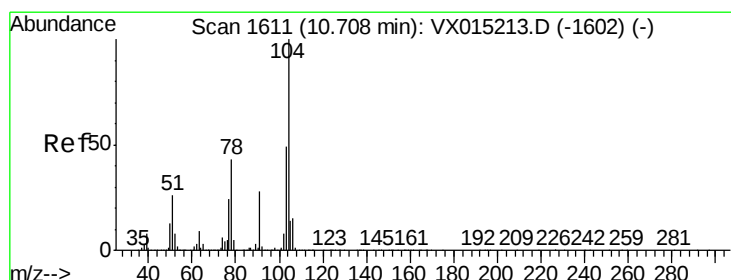
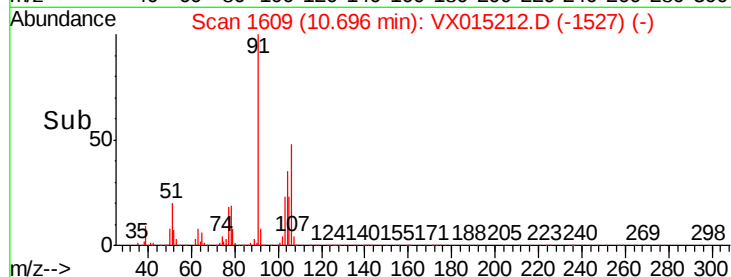
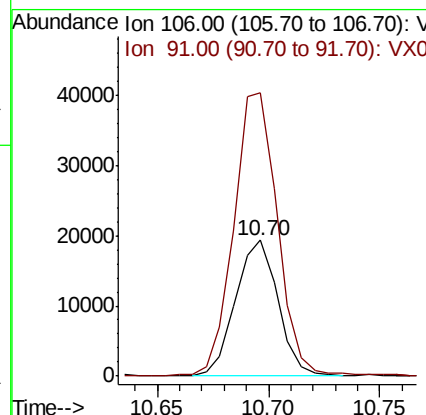
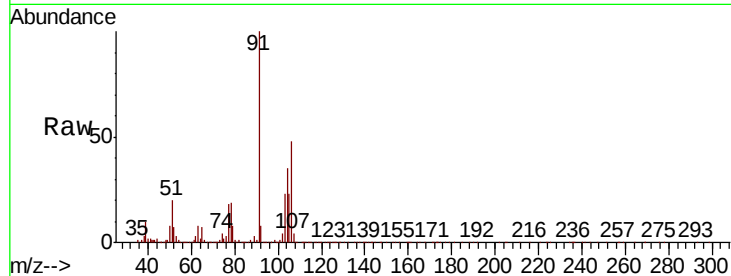




#68
o-Xylene
Concen: 4.751 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

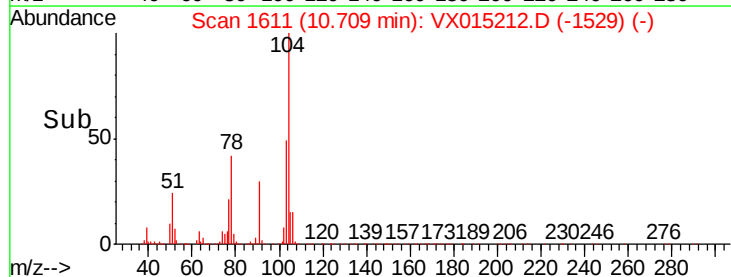
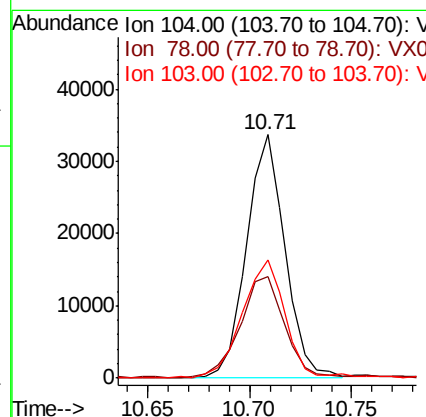
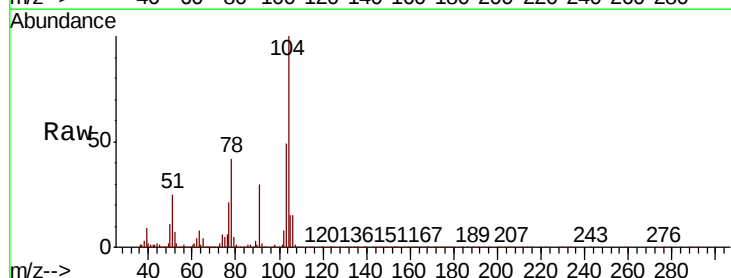
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

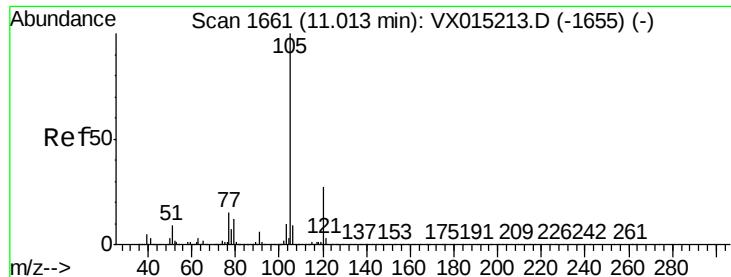
Tot Ion:106 Resp: 25746
Ion Ratio Lower Upper
106 100
91 212.7 103.6 310.8



#69
Styrene
Concen: 4.686 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion:104 Resp: 43660
Ion Ratio Lower Upper
104 100
78 48.1 38.3 57.5
103 54.0 42.6 64.0





#70

Isopropylbenzene

Concen: 4.903 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

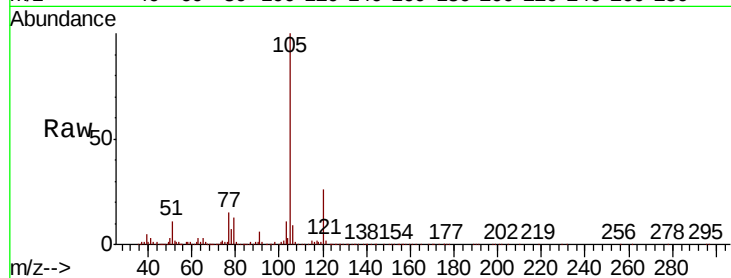
VSTDIC005

Tot Ion:105 Resp: 70428

Ion Ratio Lower Upper

105 100

120 26.1 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

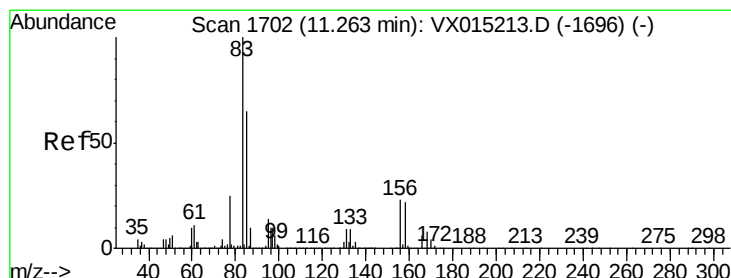
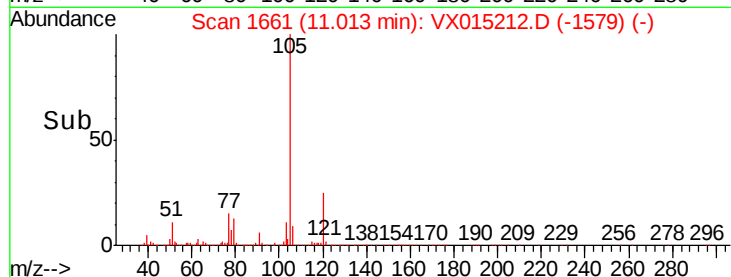
10000

0

11.01

10.95 11.01 11.05

Time-->



#71

1,1,2,2-Tetrachloroethane

Concen: 5.345 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

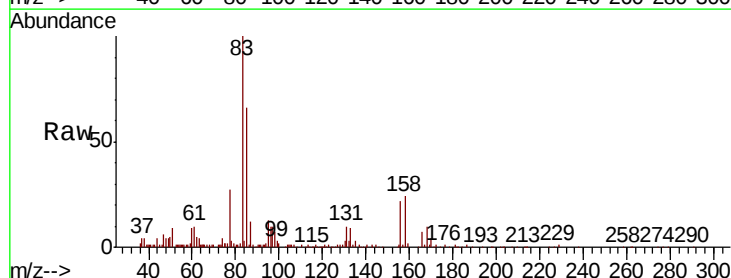
Tgt Ion: 83 Resp: 24825

Ion Ratio Lower Upper

83 100

131 11.6 5.0 15.0

85 62.1 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

10000

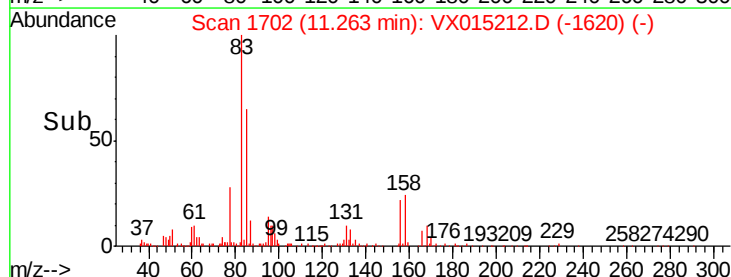
5000

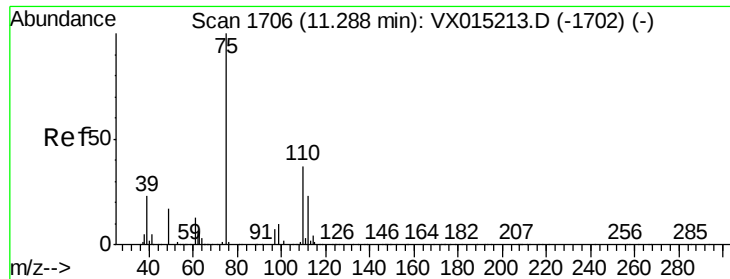
0

11.26

11.20 11.25 11.30

Time-->





#72

1,2,3-Trichloropropane

Concen: 6.428 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

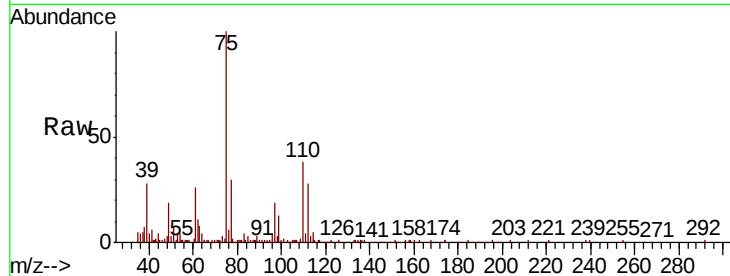
VSTDIC005

Tot Ion: 75 Resp: 25439

Ion Ratio Lower Upper

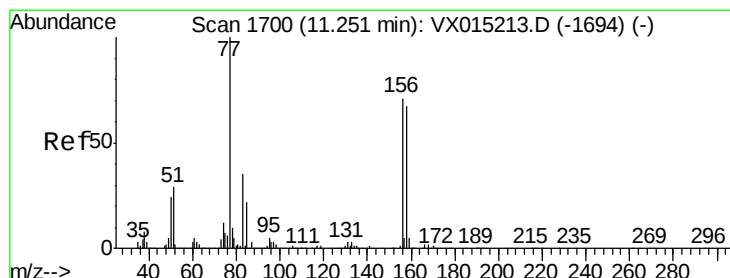
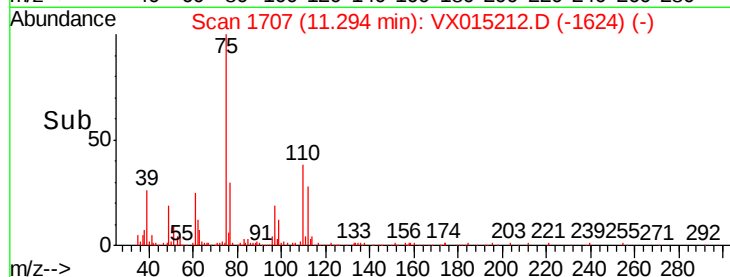
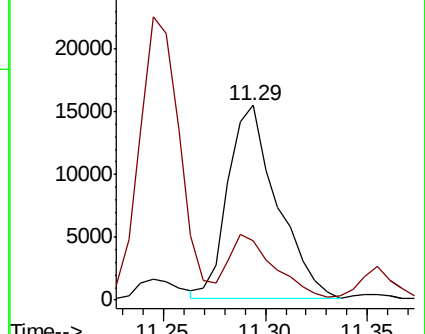
75 100

77 31.1 0.0 69.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 5.168 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

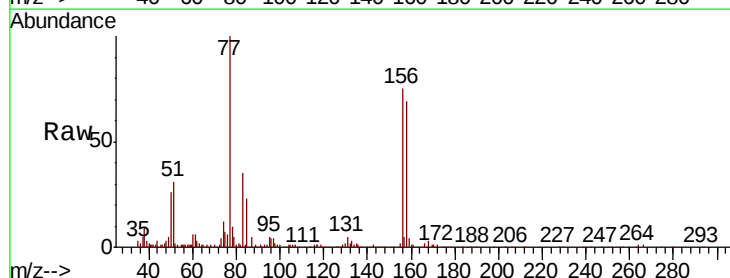
Tgt Ion: 156 Resp: 20055

Ion Ratio Lower Upper

156 100

77 154.8 0.0 300.2

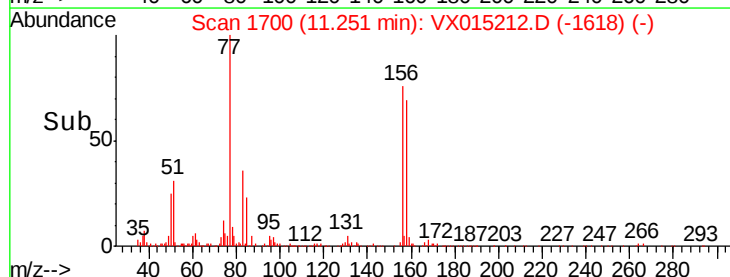
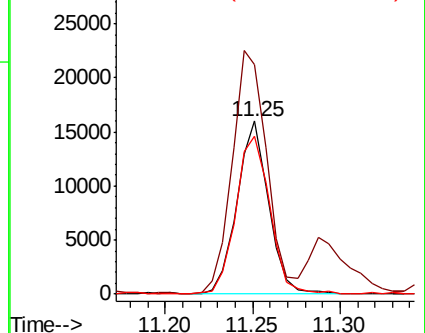
158 98.0 0.0 195.2

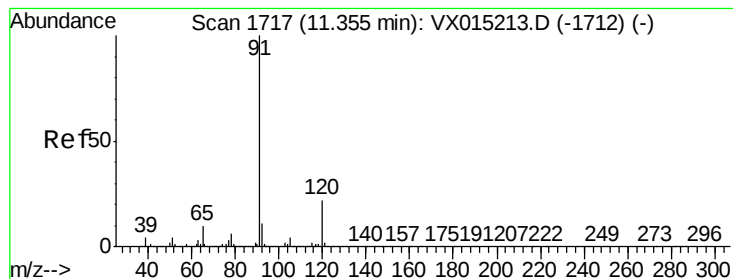


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 4.819 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

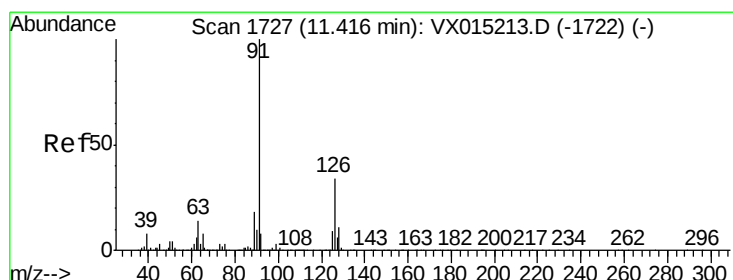
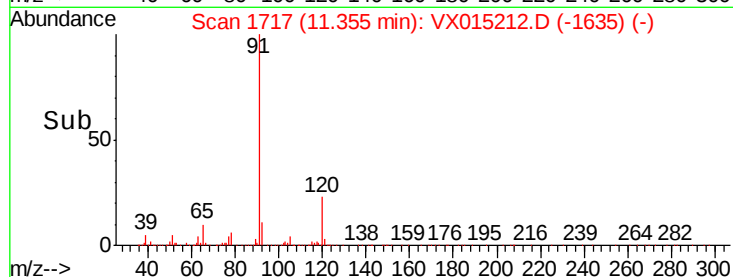
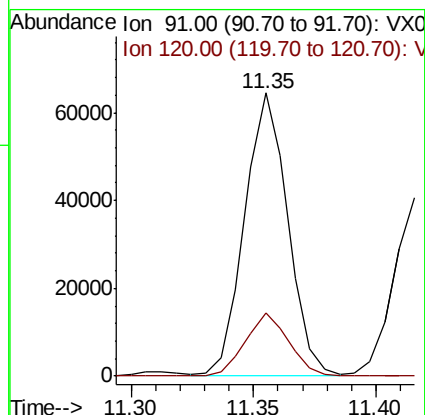
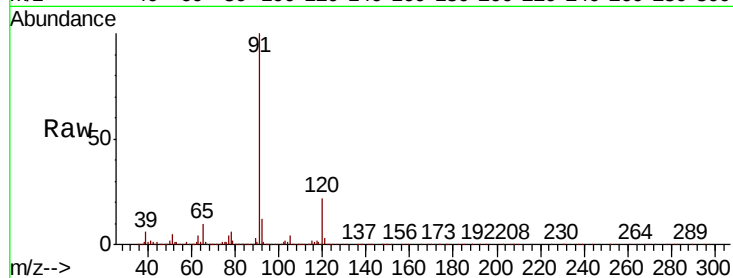
VSTDIC005

Tot Ion: 91 Resp: 79007

Ion Ratio Lower Upper

91 100

120 22.6 0.0 46.4



#75

2-Chlorotoluene

Concen: 5.096 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015212.D

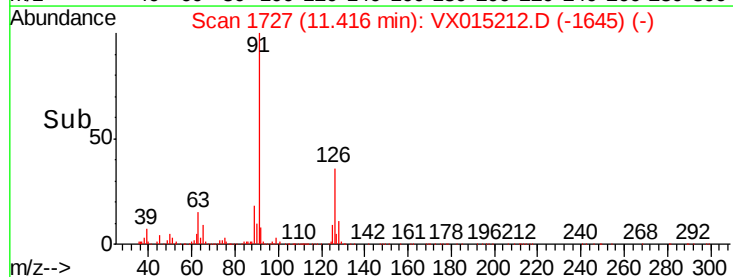
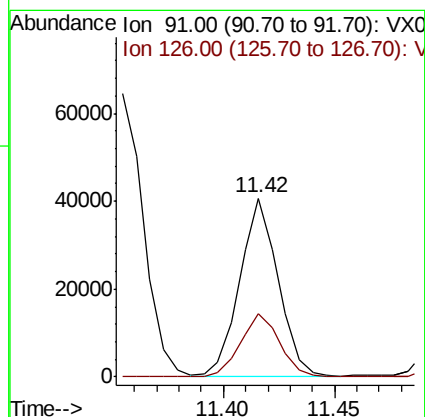
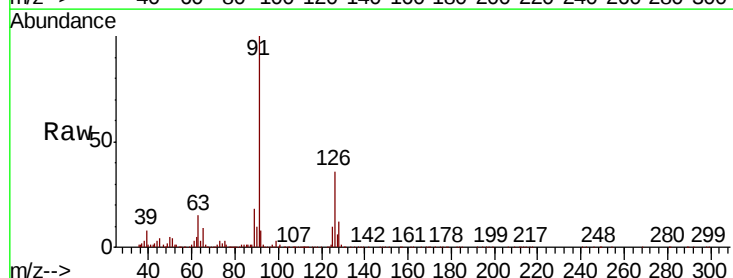
Acq: 11 Mar 2020 19:56

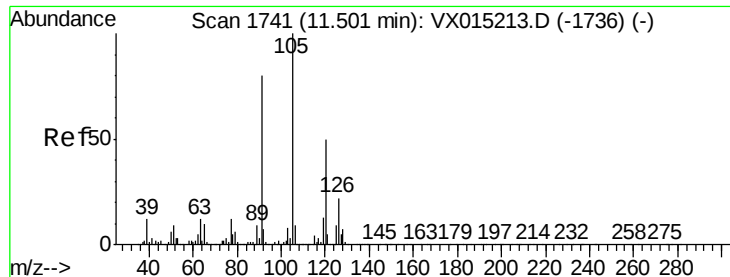
Tgt Ion: 91 Resp: 49183

Ion Ratio Lower Upper

91 100

126 35.8 0.0 68.0





#76

1,3,5-Trimethylbenzene

Concen: 4.732 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

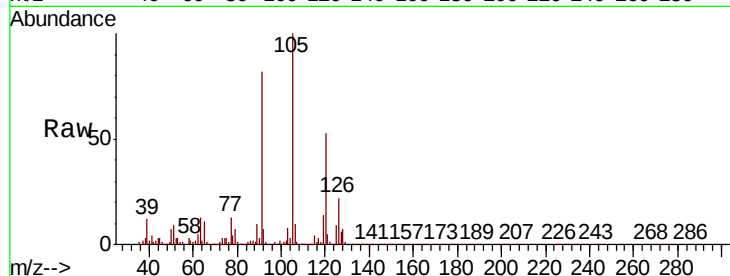
VSTDIC005

Tot Ion:105 Resp: 56850

Ion Ratio Lower Upper

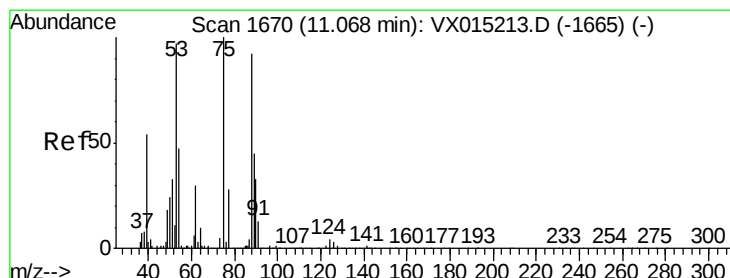
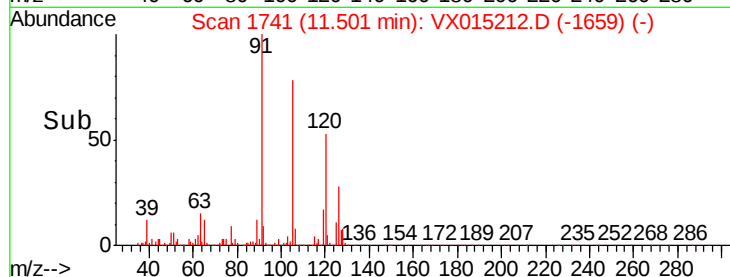
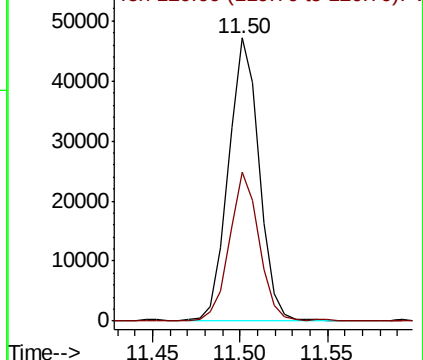
105 100

120 51.1 0.0 100.2



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: 4.045 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

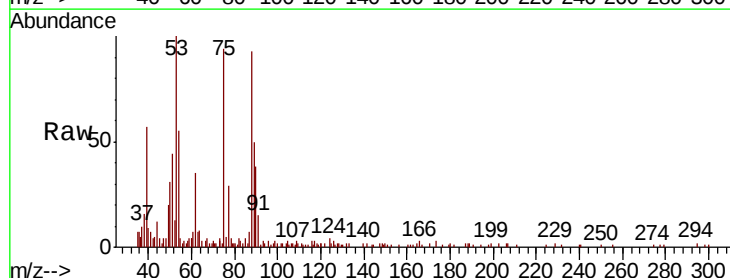
Tgt Ion: 75 Resp: 6247

Ion Ratio Lower Upper

75 100

53 104.8 48.7 146.1

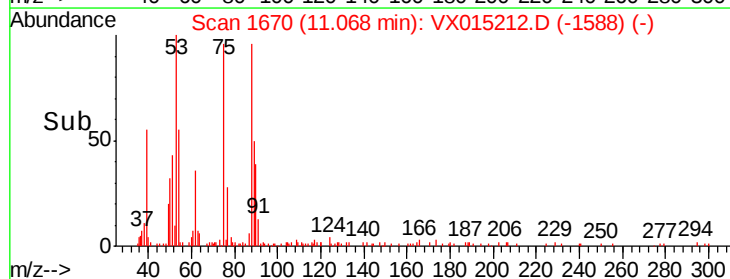
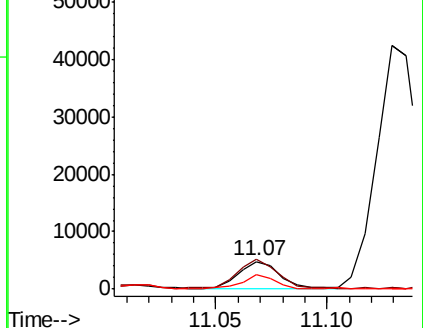
89 48.9 22.4 67.3

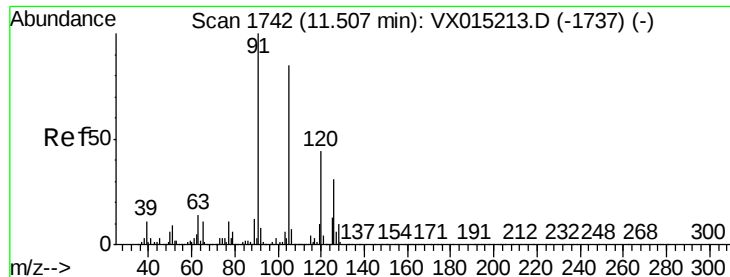


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

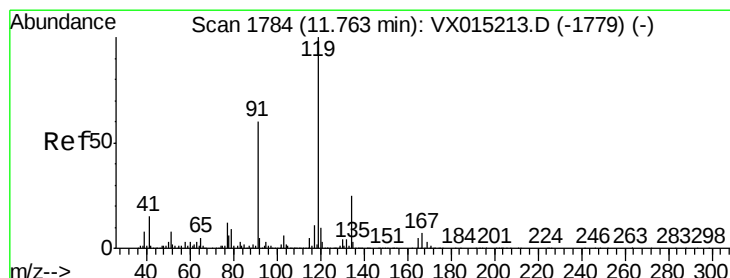
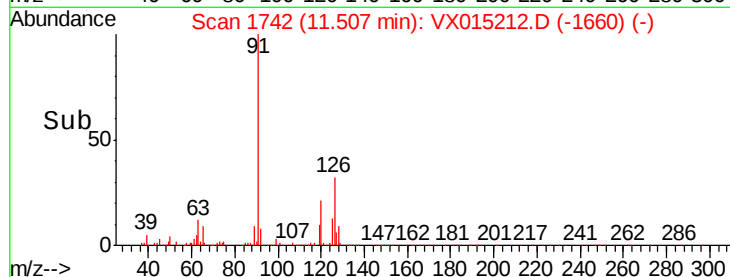
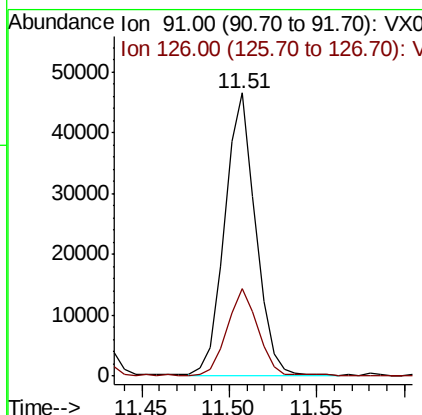
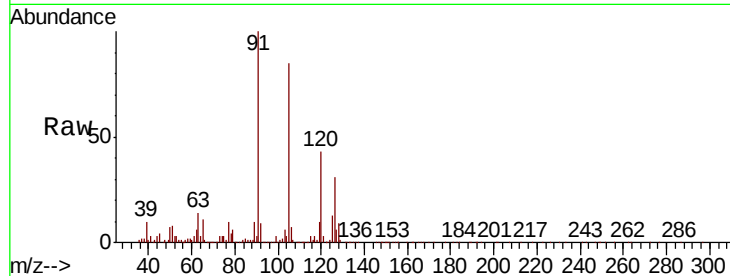




#78
4-Chlorotoluene
Concen: 5.079 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

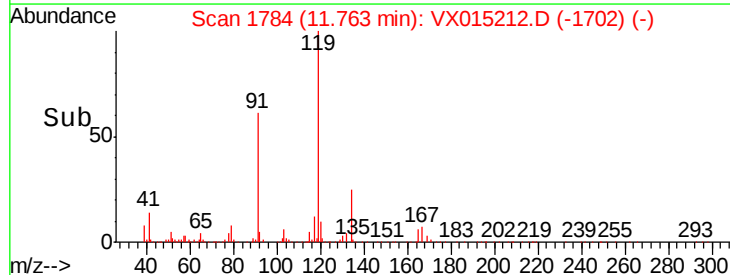
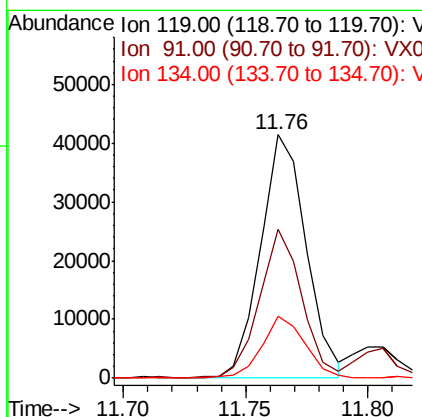
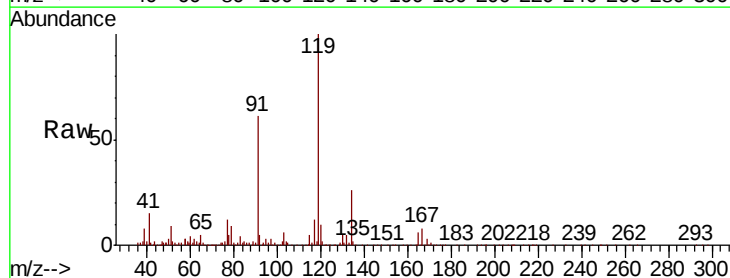
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

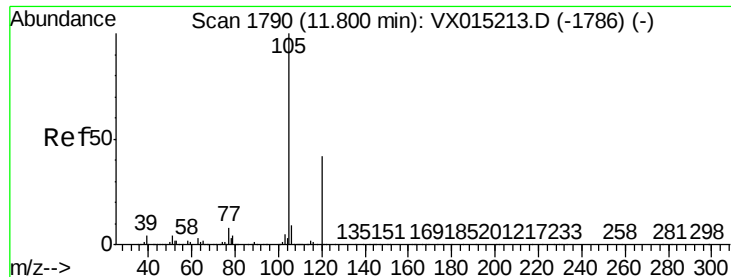
Tot Ion: 91 Resp: 57044
Ion Ratio Lower Upper
91 100
126 30.9 0.0 60.0



#79
tert-butylbenzene
Concen: 4.667 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion: 119 Resp: 54035
Ion Ratio Lower Upper
119 100
91 56.8 0.0 113.8
134 24.3 0.0 50.6





#80

1,2,4-Trimethylbenzene

Concen: 4.613 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

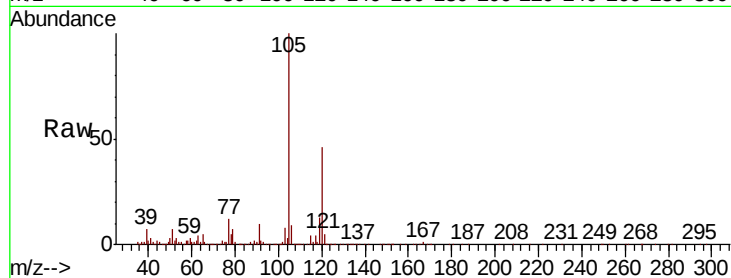
VSTDIC005

Tot Ion:105 Resp: 55301

Ion Ratio Lower Upper

105 100

120 47.1 0.0 92.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

50000

40000

30000

20000

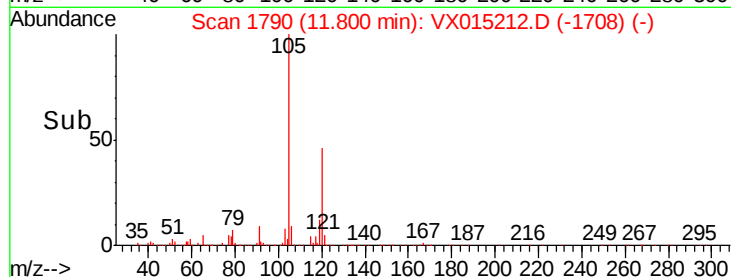
10000

0

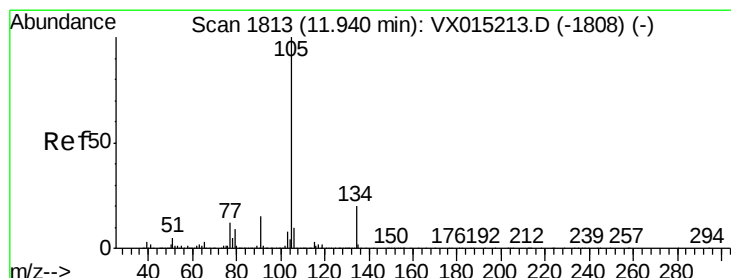
11.75

11.80

11.85



Time-->



#81

sec-Butylbenzene

Concen: 4.768 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015212.D

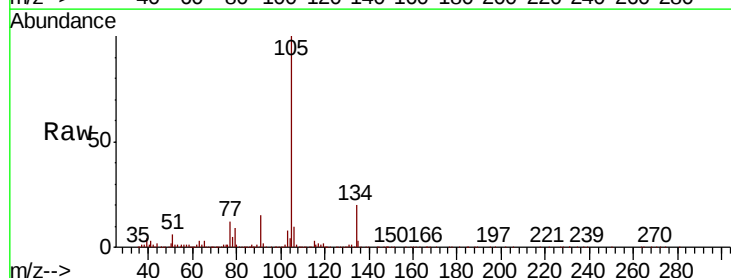
Acq: 11 Mar 2020 19:56

Tgt Ion:105 Resp: 66525

Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

30000

20000

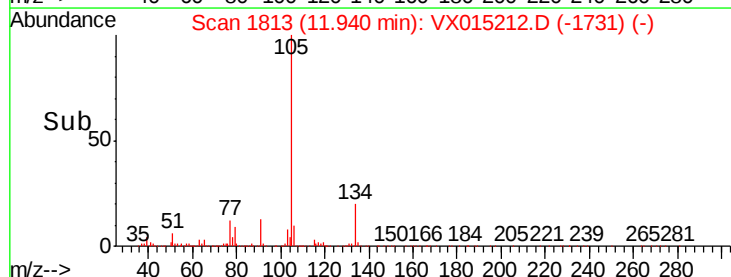
10000

0

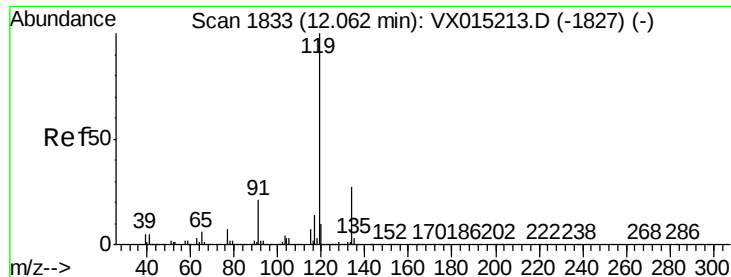
11.90

11.94

11.95



Time-->



#82

p-Isopropyltoluene

Concen: 4.567 ug/l

RT: 12.06 min Scan# 1832

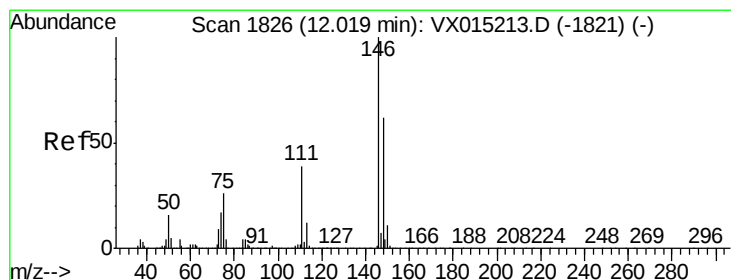
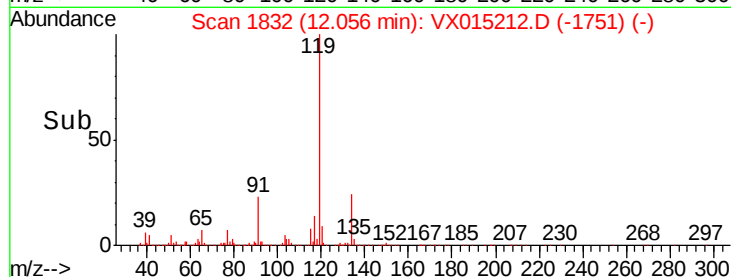
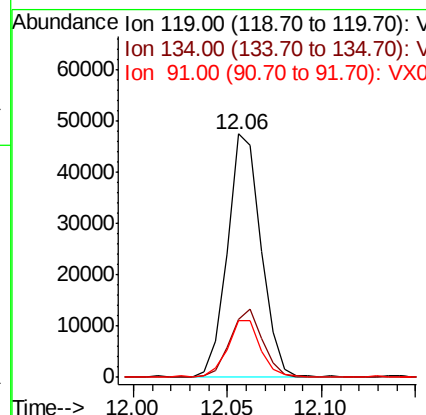
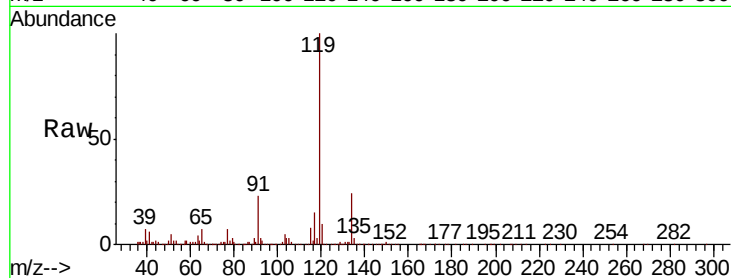
Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	52.2
91	23.2	0.0	43.4



#83

1,3-Dichlorobenzene

Concen: 5.152 ug/l

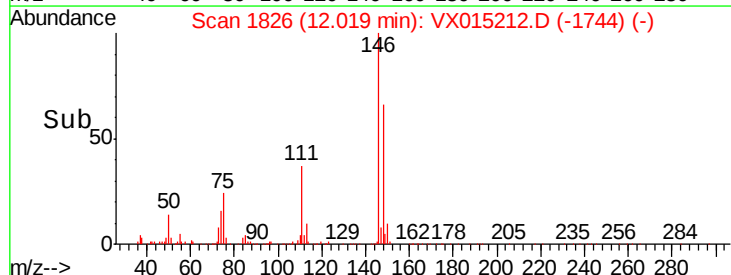
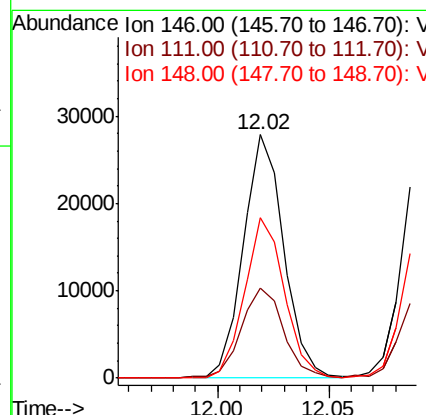
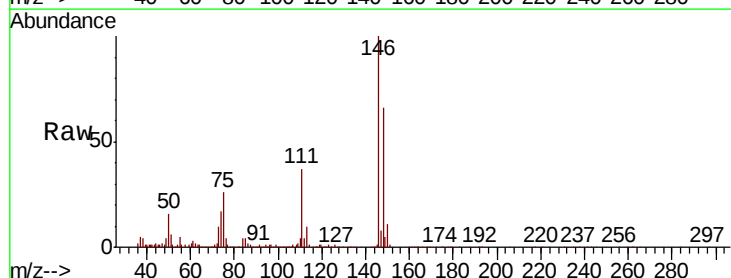
RT: 12.02 min Scan# 1826

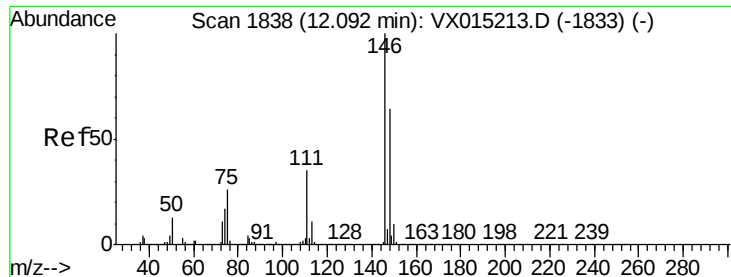
Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.5
148	65.3	31.3	93.9

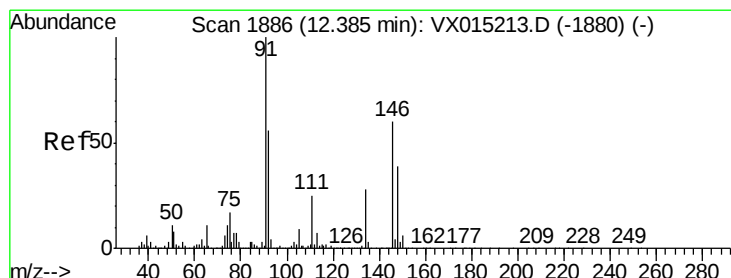
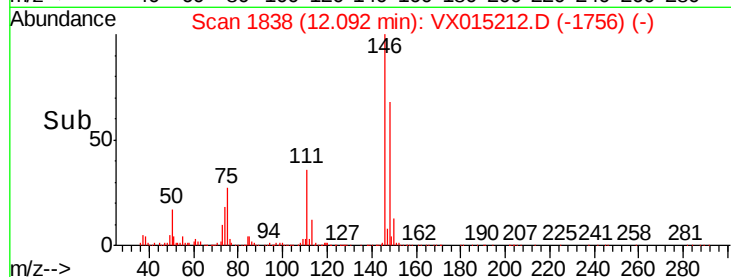
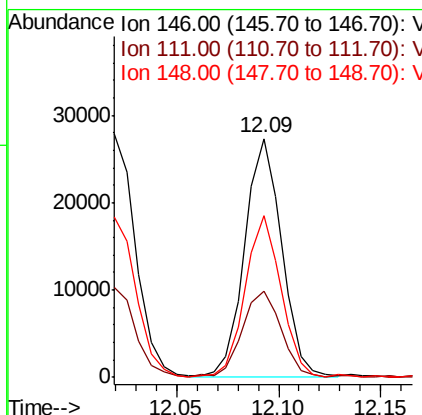
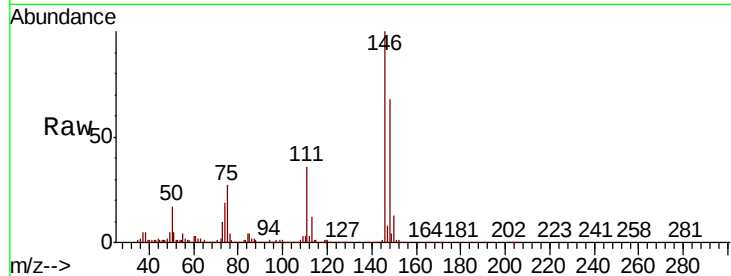




#84
 1,4-Dichlorobenzene
 Concen: 5.047 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

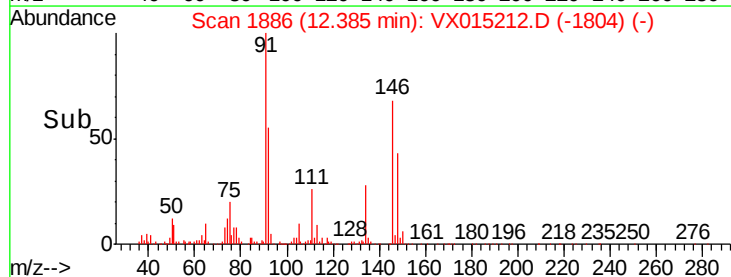
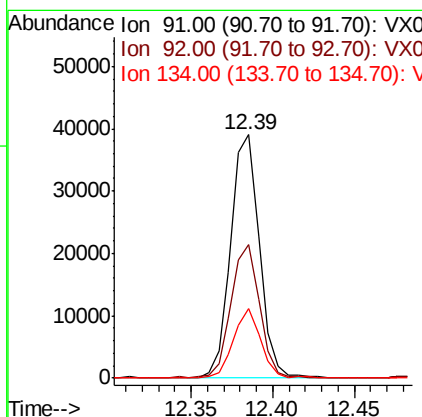
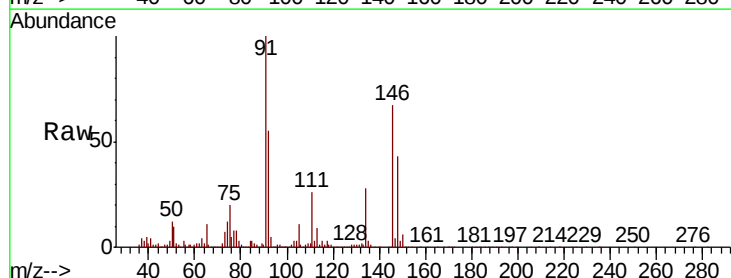
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

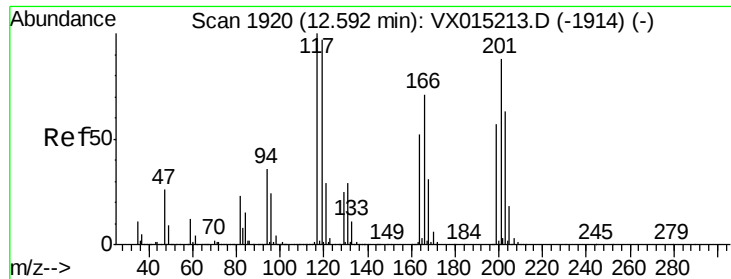
Tot Ion:146 Resp: 34718
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.1
 148 65.2 31.7 95.1



#85
 n-Butylbenzene
 Concen: 4.218 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Tgt Ion: 91 Resp: 47555
 Ion Ratio Lower Upper
 91 100
 92 54.5 0.0 109.6
 134 27.1 0.0 54.6

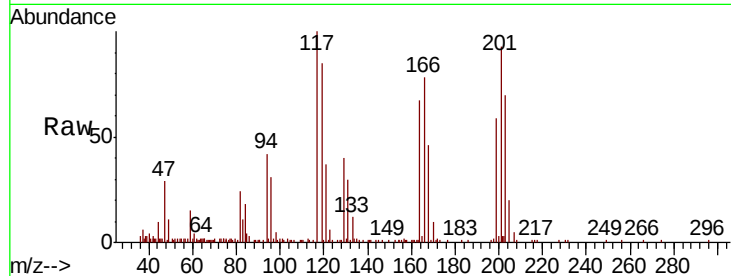




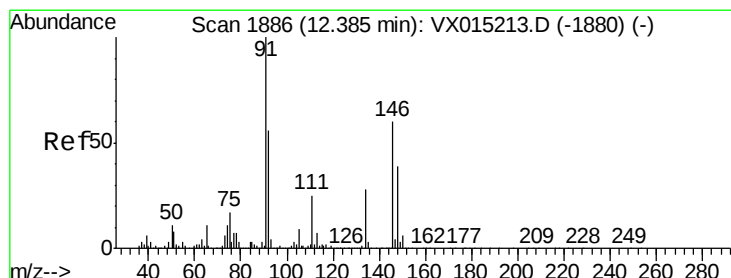
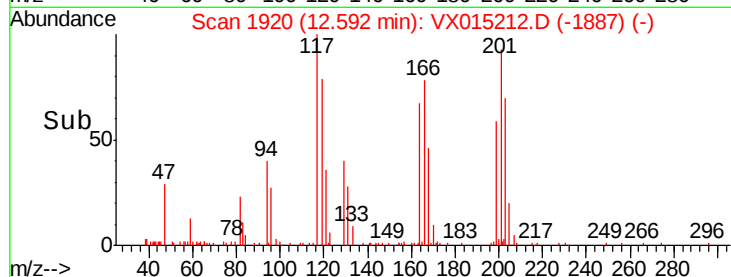
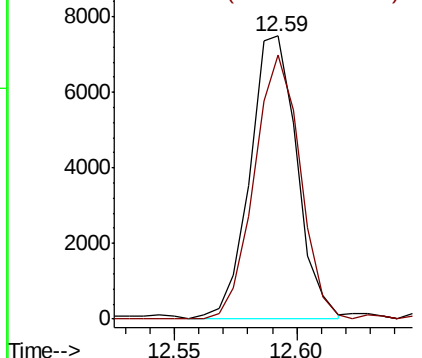
#86
Hexachloroethane
Concen: 4.298 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 10064
Ion Ratio Lower Upper
117 100
201 91.2 43.8 131.4

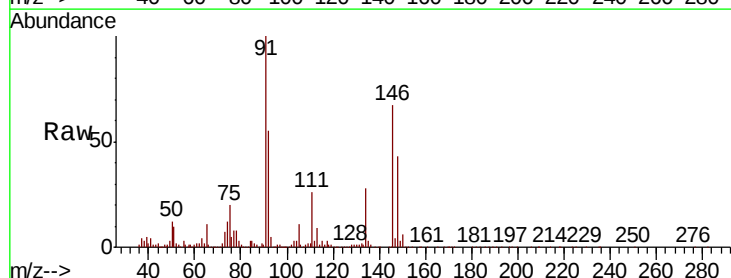


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

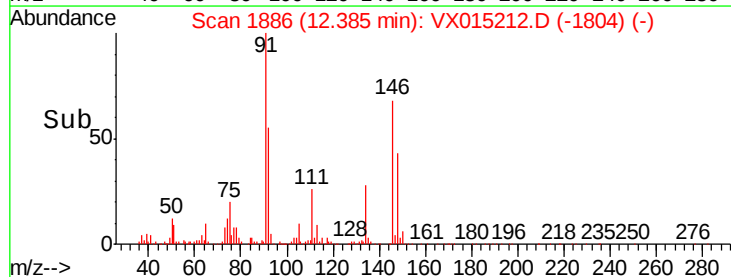
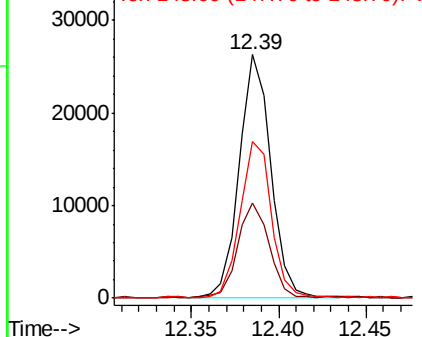


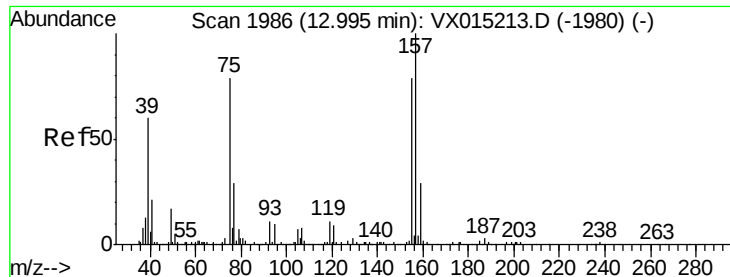
#87
1,2-Dichlorobenzene
Concen: 4.900 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015212.D
Acq: 11 Mar 2020 19:56

Tgt Ion:146 Resp: 33185
Ion Ratio Lower Upper
146 100
111 39.2 20.2 60.5
148 63.6 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 4.435 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

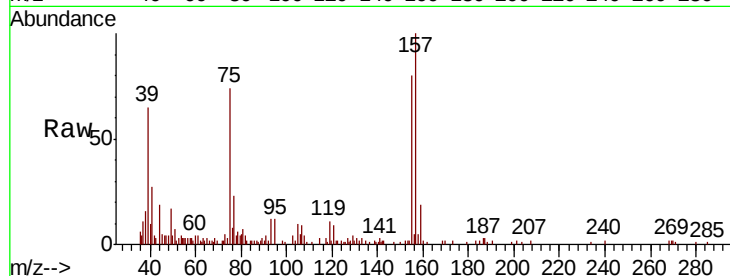
Tot Ion: 75 Resp: 4428

Ion Ratio Lower Upper

75 100

155 100.0 79.4 119.2

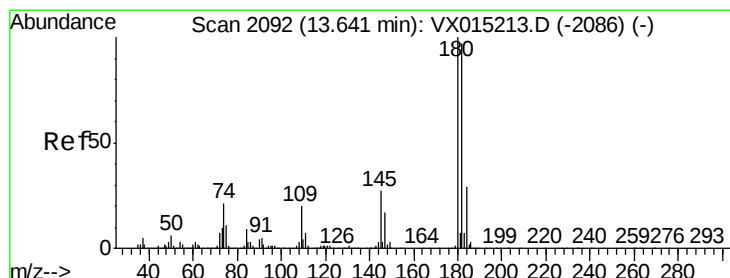
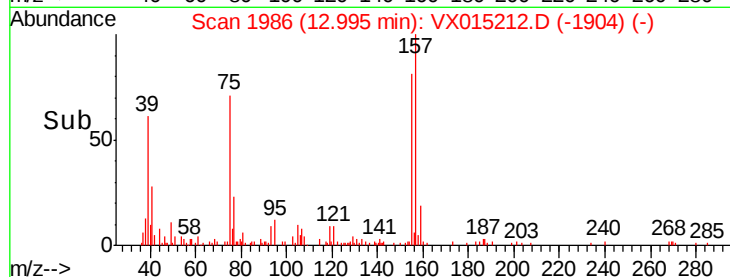
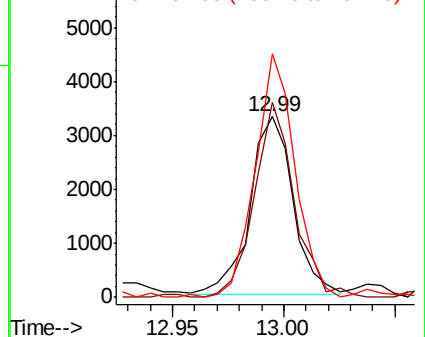
157 126.6 99.1 148.7



Abundance Ion 75.00 (74.70 to 75.70): VX015212.D (-1980) (-)

Ion 155.00 (154.70 to 155.70): VX015212.D (-1980) (-)

Ion 157.00 (156.70 to 157.70): VX015212.D (-1980) (-)



#89

1,2,4-Trichlorobenzene

Concen: 4.374 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

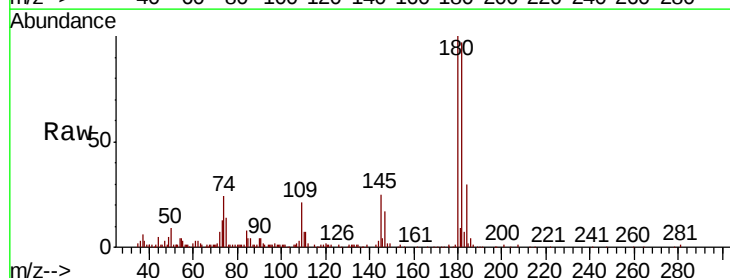
Tgt Ion: 180 Resp: 21444

Ion Ratio Lower Upper

180 100

182 92.2 75.6 113.4

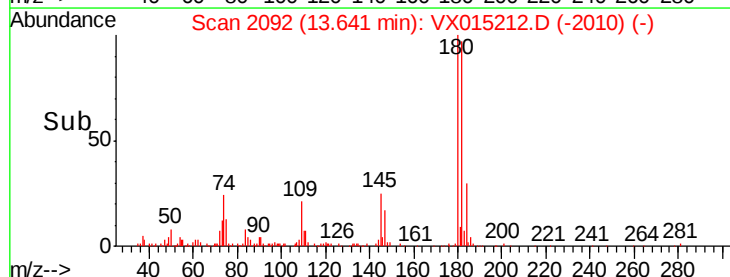
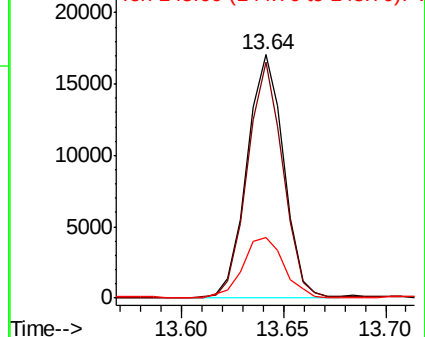
145 28.1 22.7 34.1

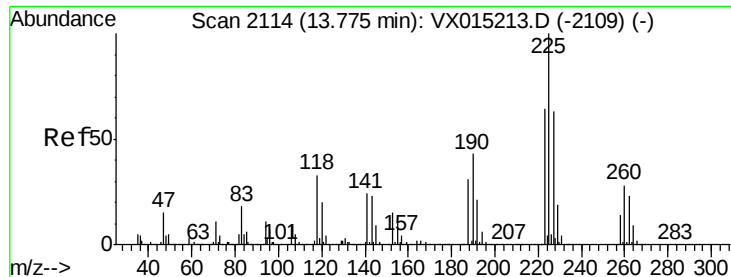


Abundance Ion 180.00 (179.70 to 180.70): VX015212.D (-2086) (-)

Ion 182.00 (181.70 to 182.70): VX015212.D (-2086) (-)

Ion 145.00 (144.70 to 145.70): VX015212.D (-2086) (-)





#90

Hexachlorobutadiene

Concen: 4.747 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

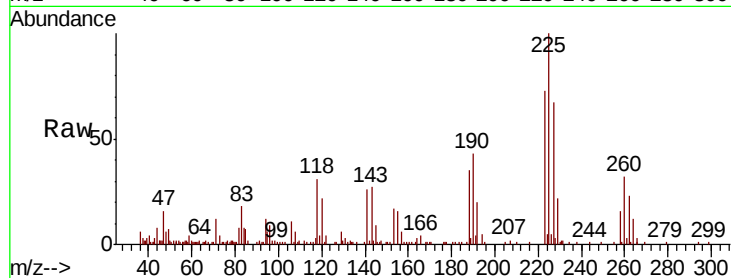
Tot Ion:225 Resp: 11515

Ion Ratio Lower Upper

225 100

223 65.8 0.0 127.6

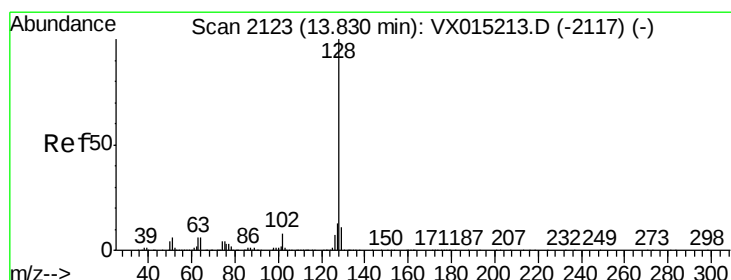
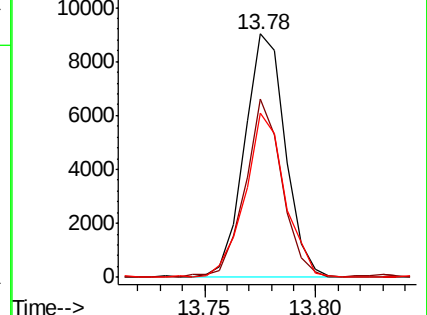
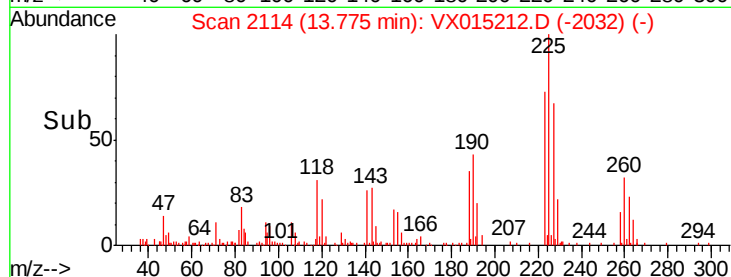
227 65.8 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 3.963 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

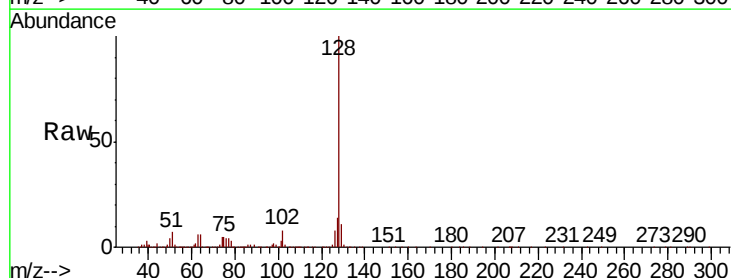
Tgt Ion:128 Resp: 54702

Ion Ratio Lower Upper

128 100

127 14.2 10.4 15.6

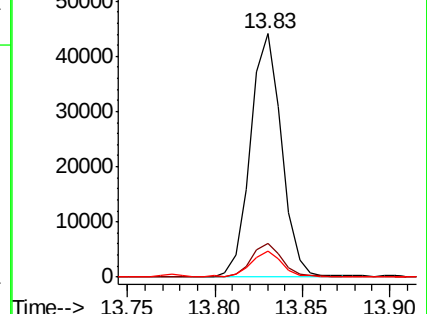
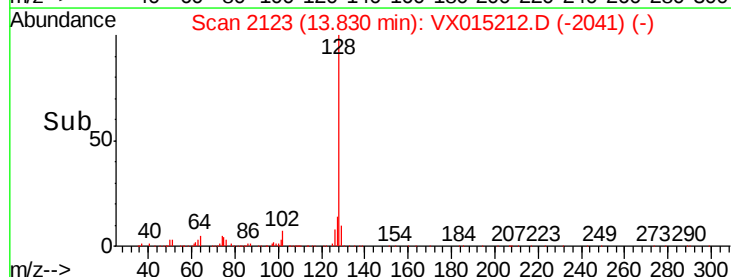
129 10.6 8.8 13.2

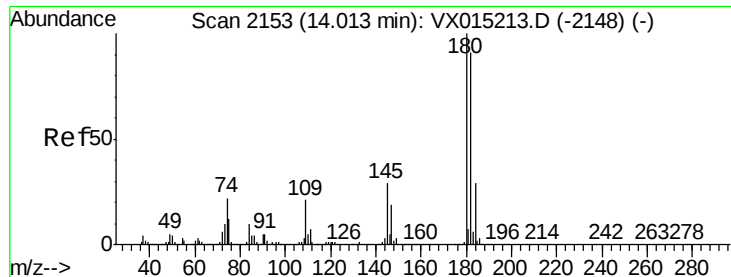


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 4.586 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX015212.D
 Acq: 11 Mar 2020 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	0.0	188.4
145	29.0	0.0	59.2

