

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
 Data File : VX008332.D
 Acq On : 22 Mar 2019 11:48
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: Mar 22 15:27:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	33278	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173677	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	67168	29.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.47%
60) 4-Bromofluorobenzene	11.13	95	74491	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	8.71	98	205429	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	83892	46.984	ug/l 98
3) Chloromethane	1.33	50	86717	47.500	ug/l 96
4) Vinyl Chloride	1.41	62	97761	47.511	ug/l 100
5) Bromomethane	1.64	94	191401	51.313	ug/l 98
6) Chloroethane	1.73	64	67207	45.958	ug/l 93
7) Trichlorofluoromethane	1.93	101	151632	46.292	ug/l 95
8) Diethyl Ether	2.19	74	59905	47.156	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83211	45.935	ug/l 99
10) 1,1-Dichloroethene	2.38	96	82847	46.332	ug/l 97
11) Methyl Iodide	2.51	142	130660	48.339	ug/l 96
12) Methyl Acetate	2.78	43	93158	47.745	ug/l 99
13) Acrolein	2.30	56	75080	245.630	ug/l 99
14) Acrylonitrile	3.15	53	230882	238.440	ug/l 99
15) Acetone	2.45	58	95820	252.352	ug/l 92
16) Carbon Disulfide	2.57	76	231827	46.759	ug/l 99
17) Allyl chloride	2.73	41	124673	47.251	ug/l 92
18) Methylene Chloride	2.86	84	90742	47.142	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	88260	46.499	ug/l 95
20) Diisopropyl ether	3.86	45	261653	47.426	ug/l 96
21) 1,1-Dichloroethane	3.70	63	155504	47.725	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	103119	47.103	ug/l 97
23) tert-Butyl Alcohol	3.05	59	91900	233.784	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	274351	47.758	ug/l 98
25) Chloroform	5.21	83	163900	47.420	ug/l 97
26) Cyclohexane	5.58	56	136562	47.391	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	120808	48.975	ug/l 98
30) 2-Butanone	4.68	43	357061	251.309	ug/l 97
31) 2,2-Dichloropropane	4.59	77	112581	48.475	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	141522	48.760	ug/l 98
33) Carbon Tetrachloride	5.79	117	130362	48.906	ug/l 96
34) Benzene	6.15	78	362395	49.320	ug/l 97
35) Methacrylonitrile	5.04	41	64899	49.037	ug/l 94
36) 1,2-Dichloroethane	6.20	62	130464	48.172	ug/l 99
37) Trichloroethene	7.21	130	104586	48.411	ug/l 96
38) Methylcyclohexane	7.46	83	151636	49.048	ug/l 99
39) 1,2-Dichloropropane	7.51	63	90679	48.500	ug/l 99
40) Dibromomethane	7.66	93	67642	49.328	ug/l 96

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 VSTDIC050

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	129215	49.659	ug/l	100
42) Vinyl Acetate	3.82	43	1186234	248.400	ug/l	99
43) Ethyl Acetate	4.57	43	680	0.271	ug/l	97
44) Isopropyl Acetate	6.45	43	195650	49.571	ug/l	98
45) 1,4-Dioxane	7.74	88	48400	974.969	ug/l	98
46) Methyl methacrylate	7.77	41	95651	49.390	ug/l	98
47) n-amyl Acetate	10.90	43	170210	50.300	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	130887	50.241	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	146779	50.491	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	97208	49.345	ug/l	93
51) Ethyl methacrylate	9.18	69	148623	51.676	ug/l	97
52) 1,3-Dichloropropane	9.37	76	156393	49.501	ug/l	100
53) Dibromochloromethane	9.58	129	111471	50.197	ug/l	99
54) 1,2-Dibromoethane	9.67	107	107210	49.602	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	371293	256.600	ug/l	99
56) Bromoform	10.85	173	86890	49.561	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	632062	244.803	ug/l	96
59) 2-Hexanone	9.49	43	499242	244.439	ug/l	97
61) Tetrachloroethene	9.34	164	99982	48.435	ug/l	97
62) Toluene	8.79	91	396014	48.652	ug/l	99
64) Chlorobenzene	10.13	112	251166	47.863	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	100075	49.933	ug/l	98
66) Ethyl Benzene	10.25	91	432816	49.167	ug/l	100
67) m/p-Xylenes	10.36	106	341975	97.744	ug/l	100
68) o-Xylene	10.69	106	164375	48.907	ug/l	98
69) Styrene	10.71	104	281326	49.579	ug/l	98
70) Isopropylbenzene	11.02	105	430493	48.683	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	145337	48.199	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	162848	64.703	ug/l	90
73) Bromobenzene	11.26	156	118241	48.328	ug/l	97
74) n-propylbenzene	11.36	91	477568	48.451	ug/l	99
75) 2-Chlorotoluene	11.42	91	284533	48.338	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	365554	48.390	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	44060	51.203	ug/l	92
78) 4-Chlorotoluene	11.51	91	332512	47.997	ug/l	98
79) tert-butylbenzene	12.06	119	389693	49.041	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	364633	48.575	ug/l	99
81) sec-Butylbenzene	11.94	105	411681	47.778	ug/l	99
82) p-Isopropyltoluene	12.06	119	389693	49.041	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	203132	47.835	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	201879	47.738	ug/l	97
85) n-Butylbenzene	12.39	91	328116	48.004	ug/l	99
86) Hexachloroethane	12.60	117	67090	48.988	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	200162	47.795	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	32745	47.438	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	145128	48.964	ug/l	100
90) Hexachlorobutadiene	13.78	225	71550	47.953	ug/l	97
91) Naphthalene	13.83	128	437956	49.197	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	143725	47.965	ug/l	99

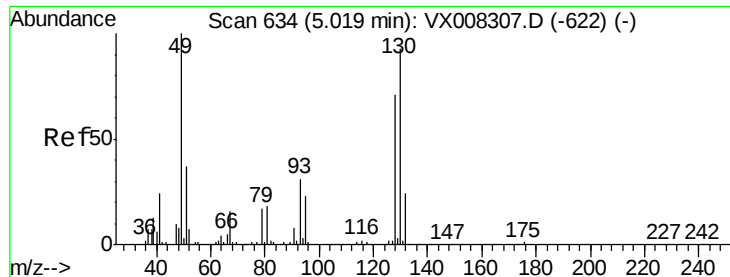
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
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Response via : Initial Calibration

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

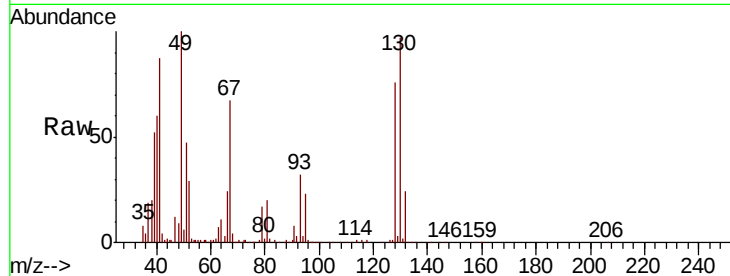


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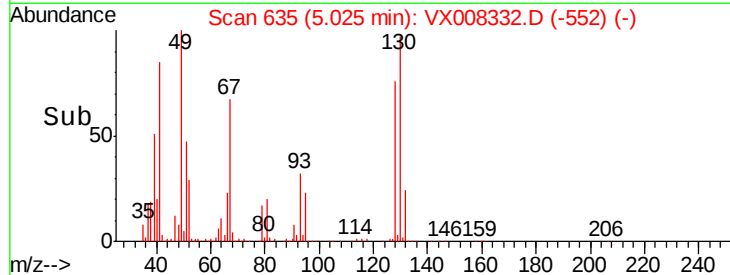
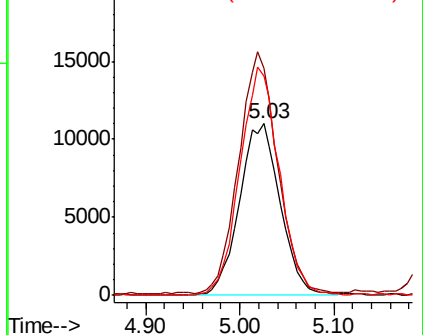
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:128 Resp: 33278
 Ion Ratio Lower Upper
 128 100
 49 134.3 0.0 350.8
 130 128.8 0.0 325.8



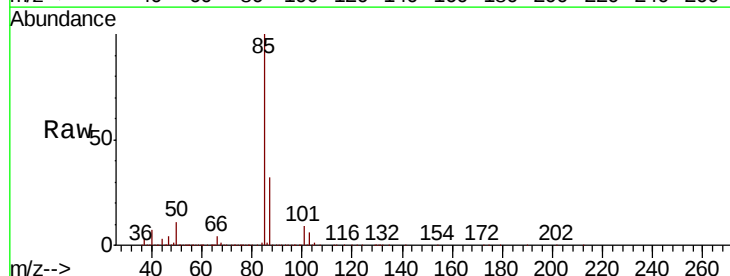
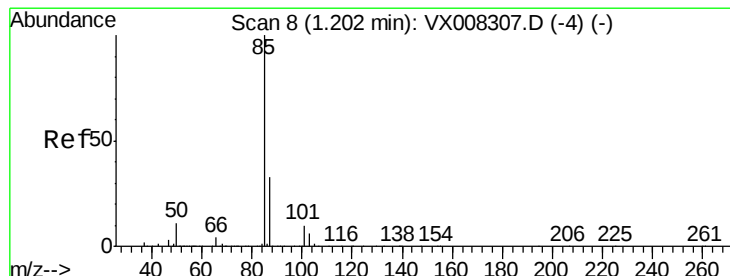
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



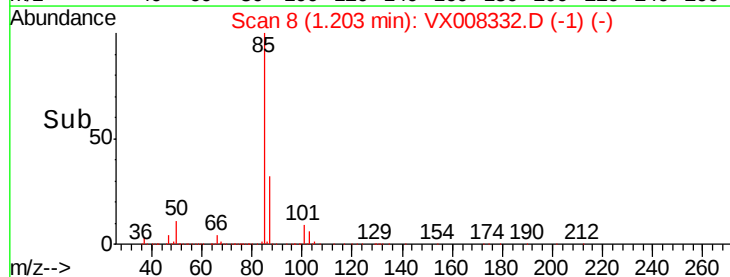
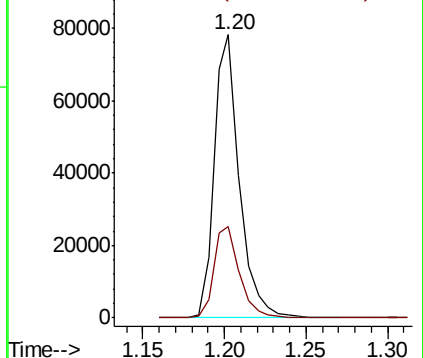
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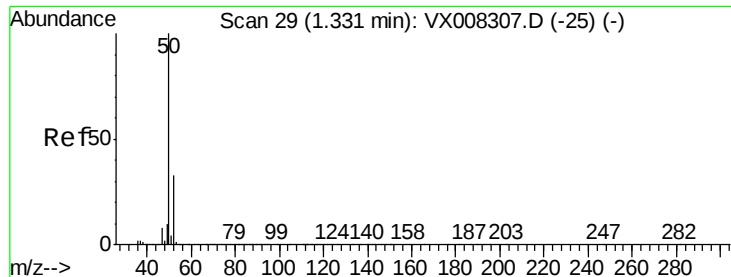
Dichlorodifluoromethane
 Concen: 46.984 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 85 Resp: 83892
 Ion Ratio Lower Upper
 85 100
 87 32.3 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: 47.500 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

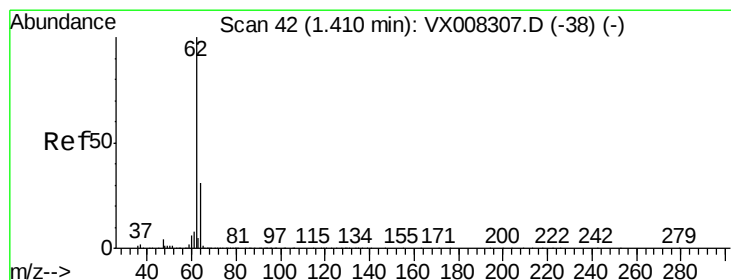
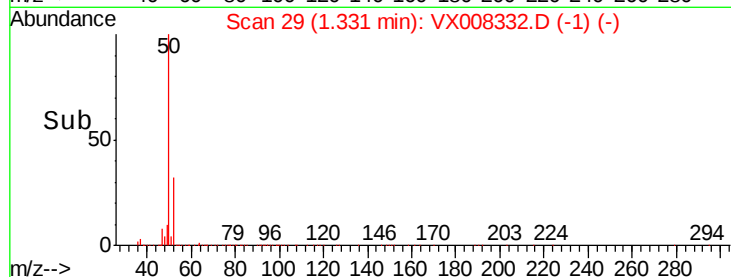
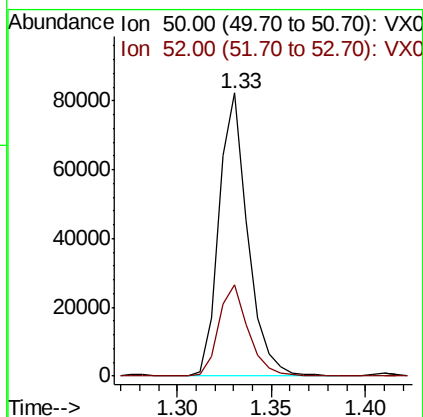
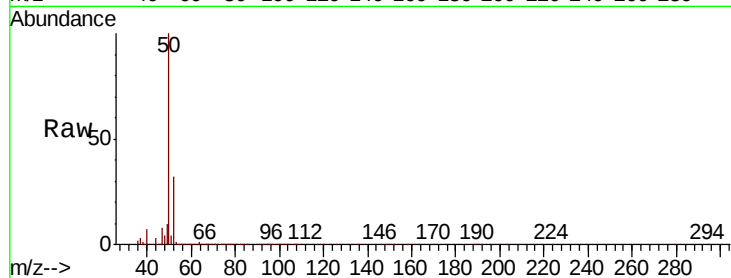
VSTDIC050

Tgt Ion: 50 Resp: 86717

Ion Ratio Lower Upper

50 100

52 32.2 27.5 41.3



#4

Vinyl Chloride

Concen: 47.511 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008332.D

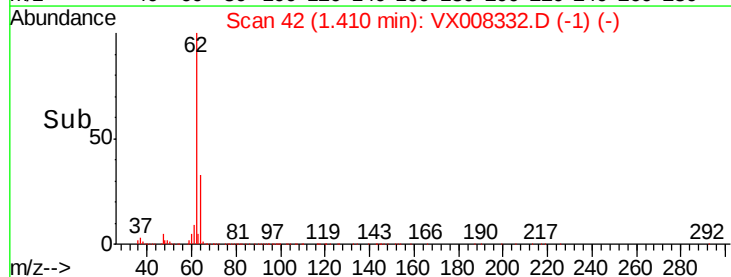
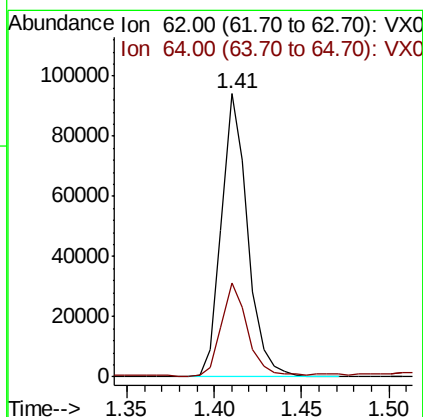
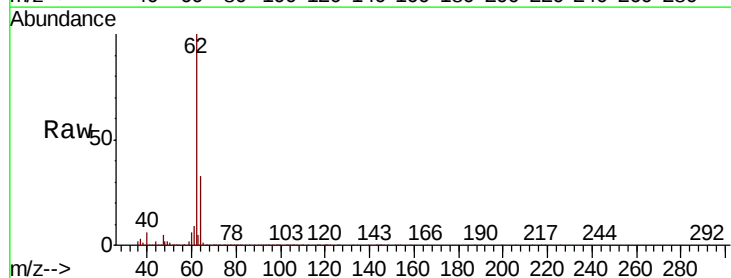
Acq: 22 Mar 2019 11:48

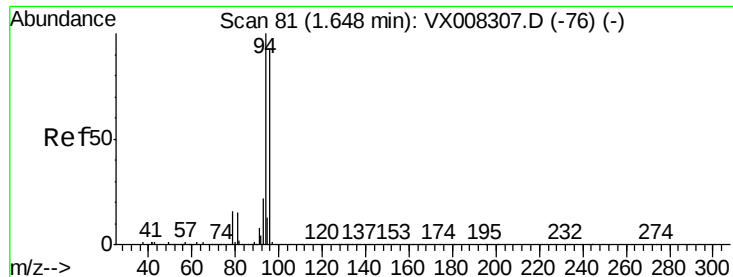
Tgt Ion: 62 Resp: 97761

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9





#5

Bromomethane

Concen: 51.313 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

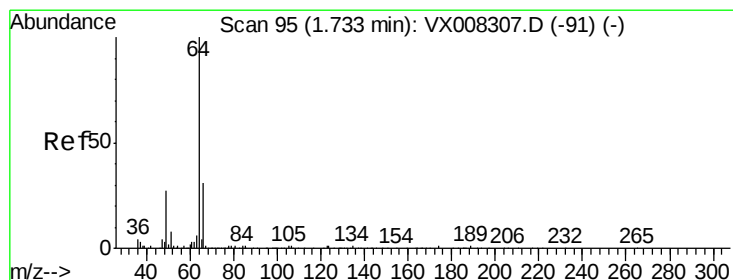
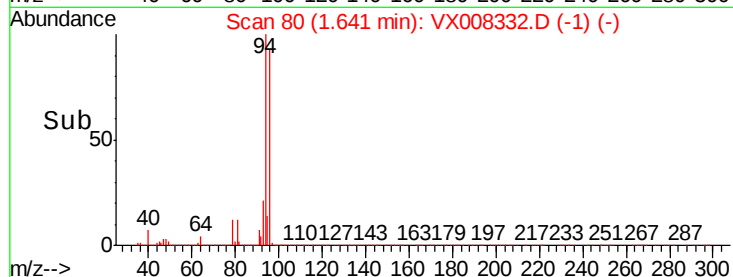
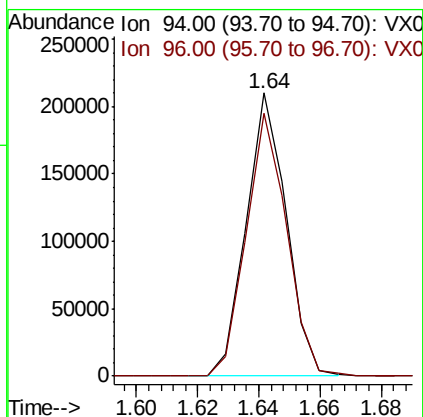
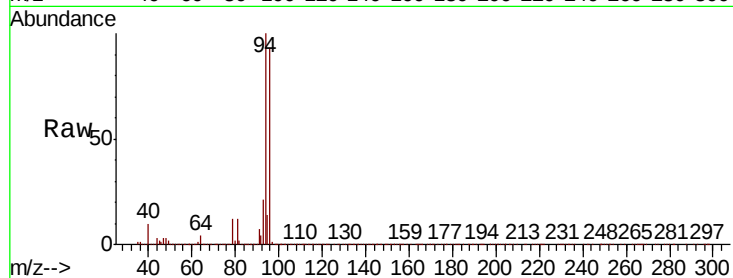
VSTDIC050

Tgt Ion: 94 Resp: 191401

Ion Ratio Lower Upper

94 100

96 92.9 75.6 113.4



#6

Chloroethane

Concen: 45.958 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.01 min

Lab File: VX008332.D

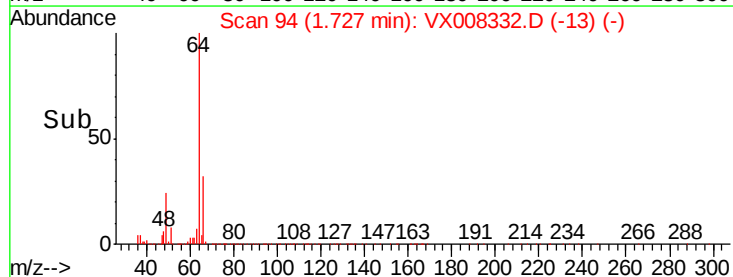
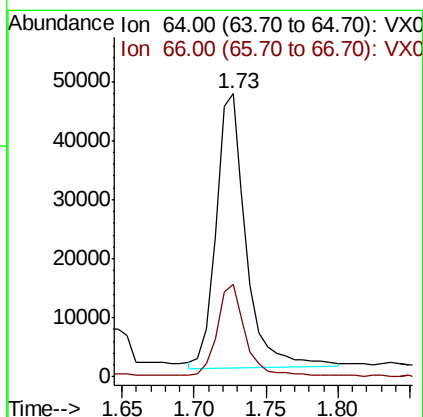
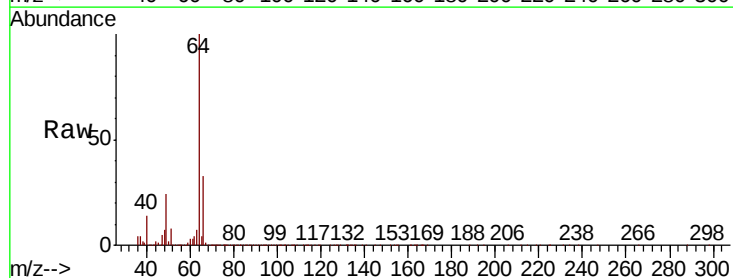
Acq: 22 Mar 2019 11:48

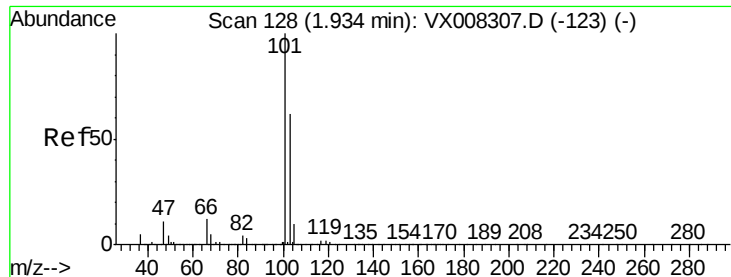
Tgt Ion: 64 Resp: 67207

Ion Ratio Lower Upper

64 100

66 33.7 23.9 35.9



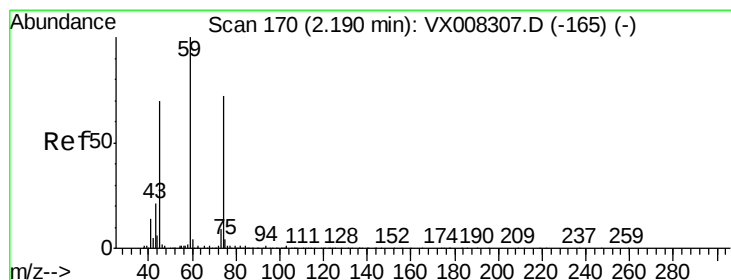
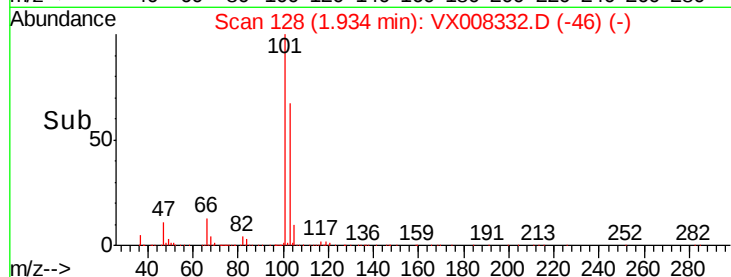
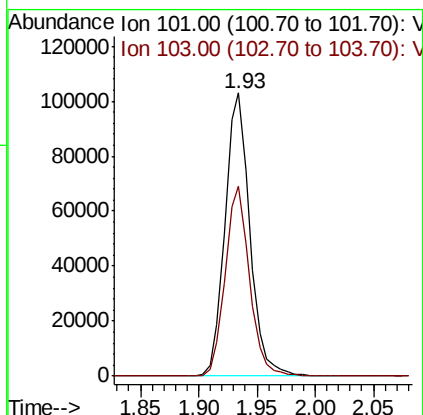
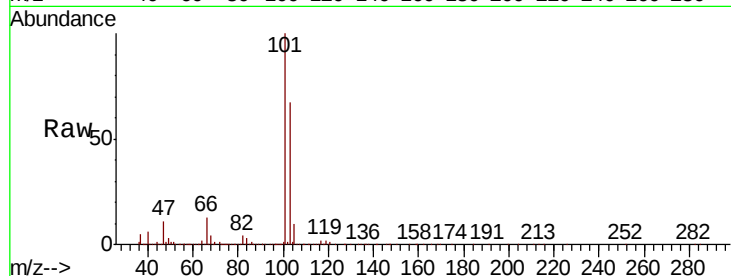


#7

Trichlorofluoromethane
 Concen: 46.292 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

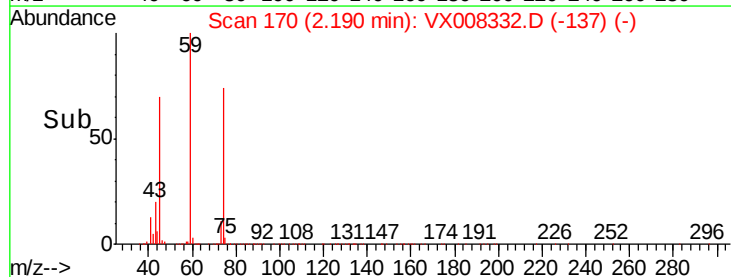
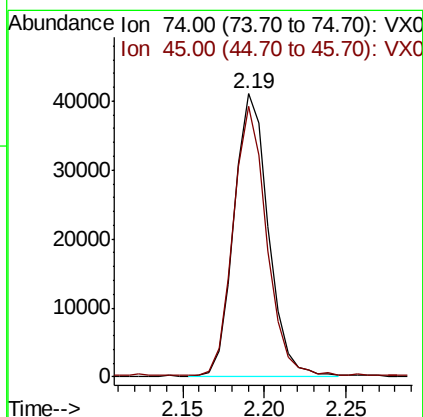
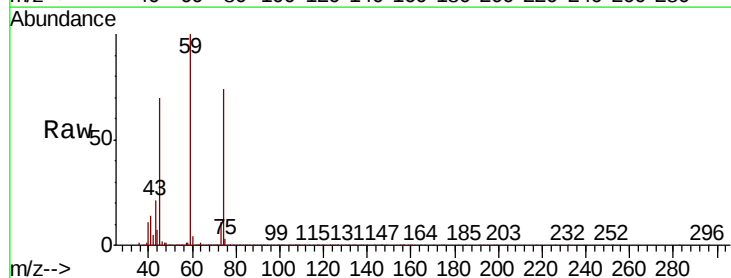
Tgt Ion: 101 Resp: 151632
 Ion Ratio Lower Upper
 101 100
 103 67.0 50.4 75.6

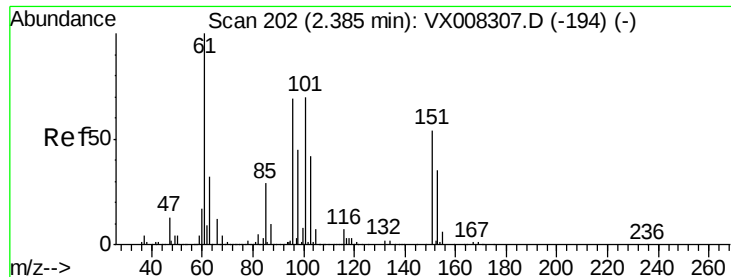


#8

Diethyl Ether
 Concen: 47.156 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 74 Resp: 59905
 Ion Ratio Lower Upper
 74 100
 45 93.1 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.935 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

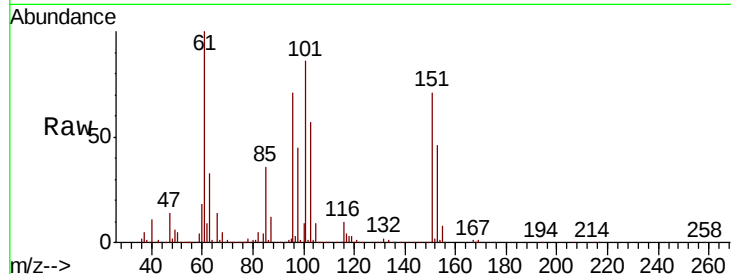
Tgt Ion: 101 Resp: 83211

Ion Ratio Lower Upper

101 100

85 42.8 0.0 86.8

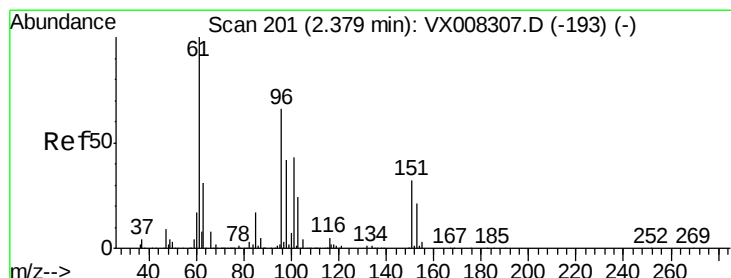
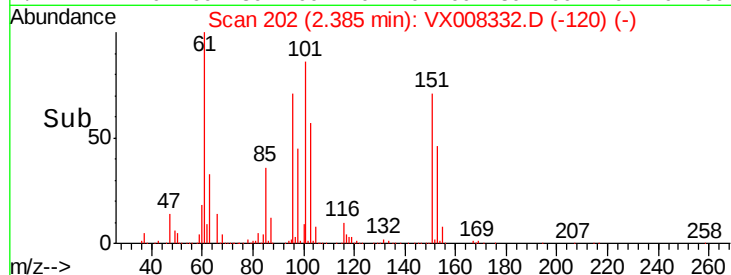
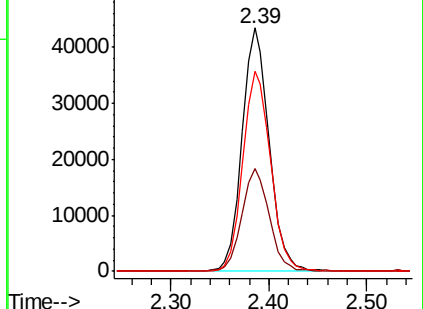
151 84.3 0.0 169.2



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: 46.332 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

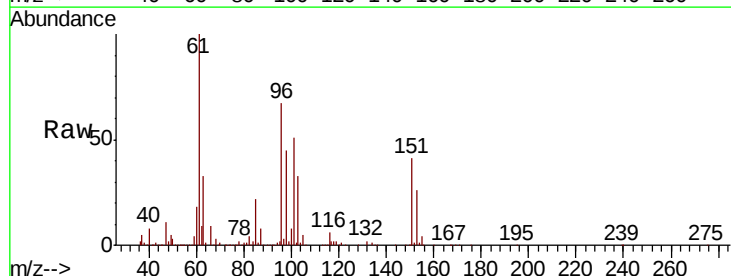
Tgt Ion: 96 Resp: 82847

Ion Ratio Lower Upper

96 100

61 148.5 120.2 180.2

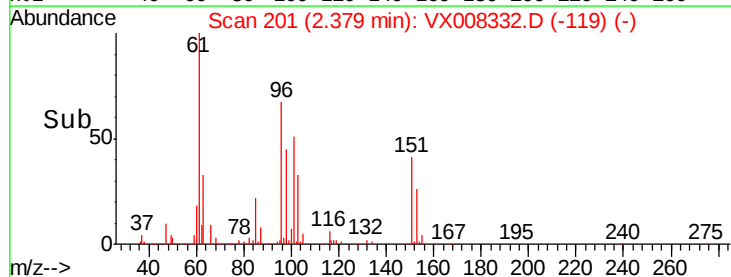
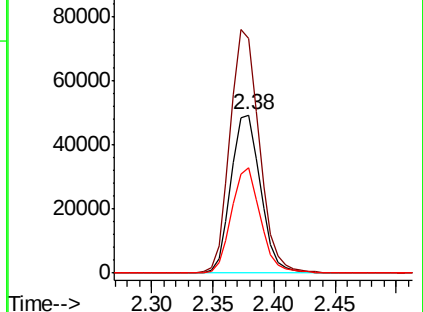
98 66.2 49.0 73.4

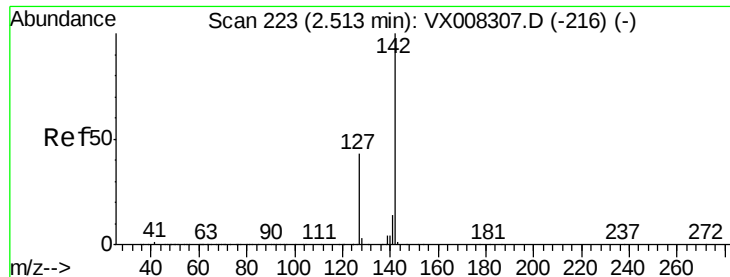


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

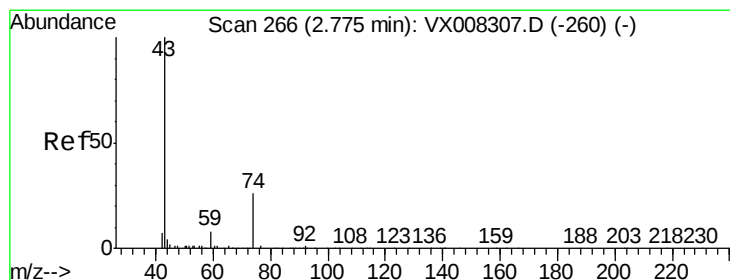
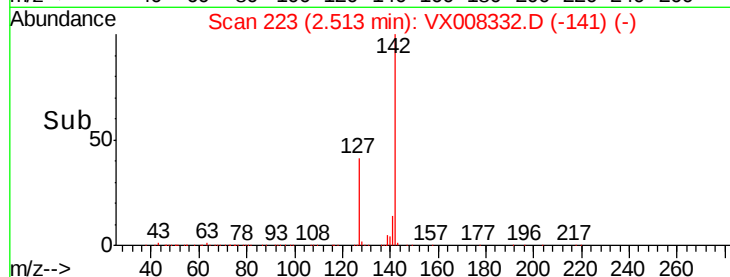
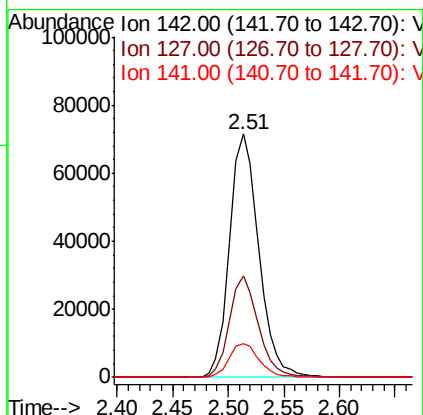
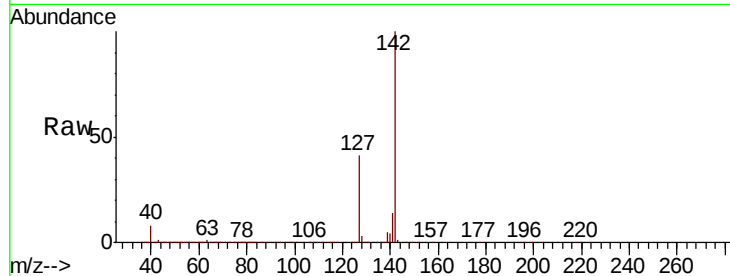




#11
Methyl Iodide
Concen: 48.339 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

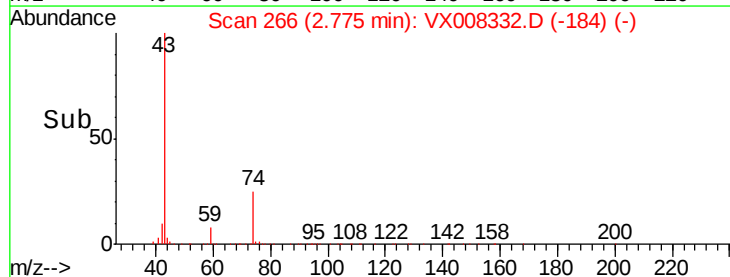
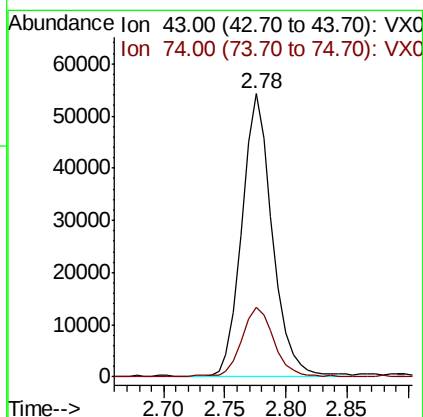
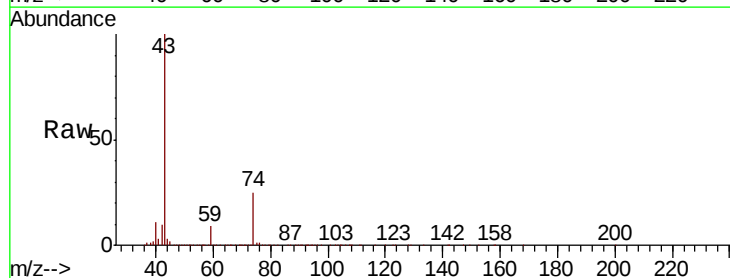
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

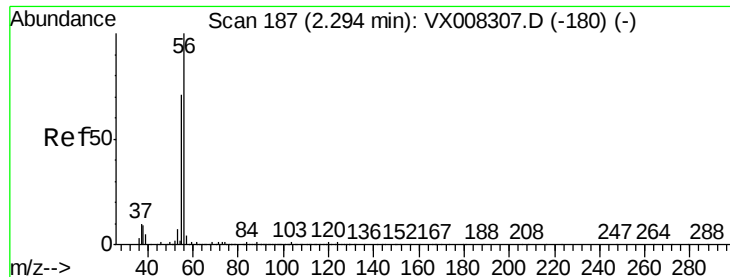
Tgt Ion:142 Resp: 130660
Ion Ratio Lower Upper
142 100
127 41.4 22.1 66.5
141 13.9 7.4 22.3



#12
Methyl Acetate
Concen: 47.745 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 43 Resp: 93158
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.0

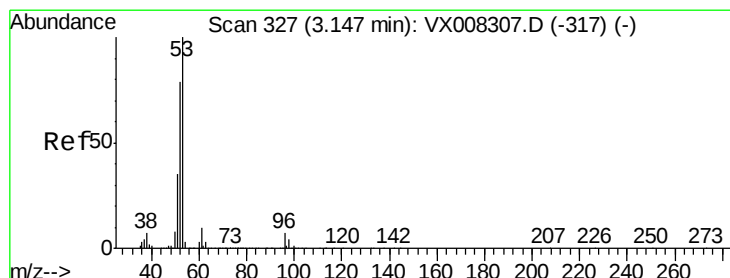
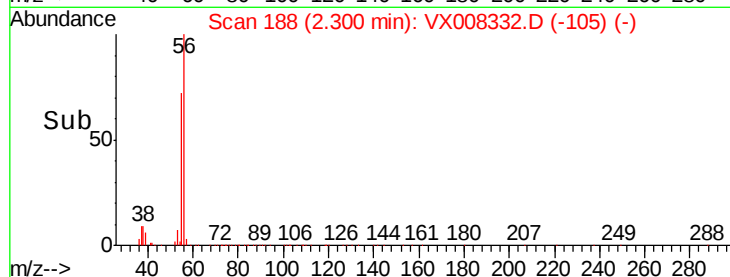
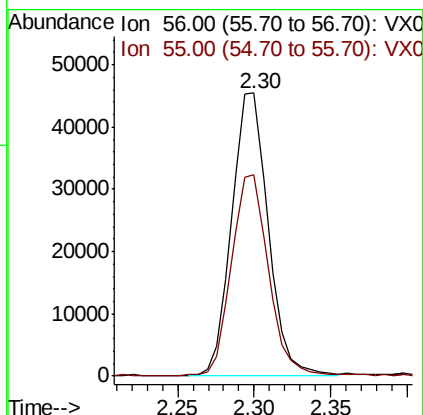
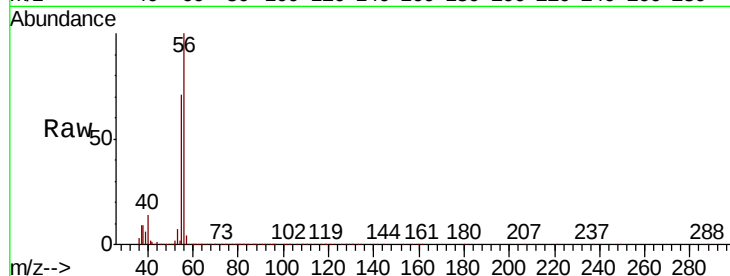




#13
Acrolein
Concen: 245.630 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

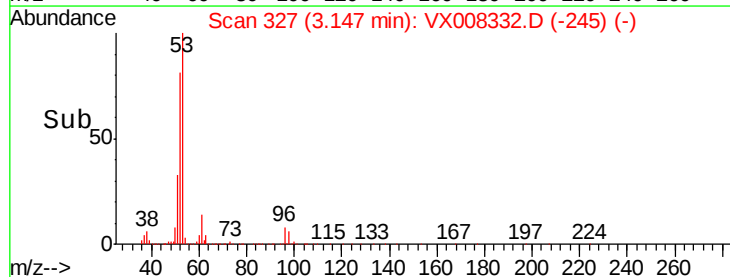
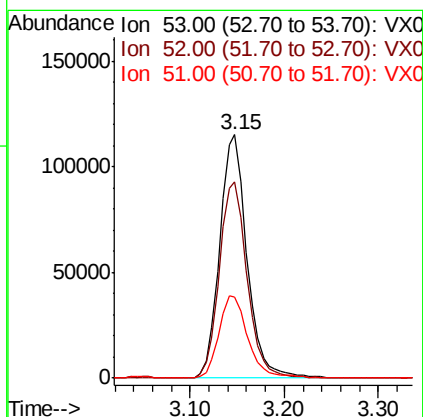
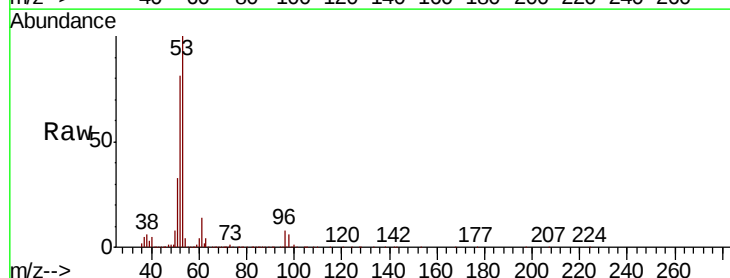
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

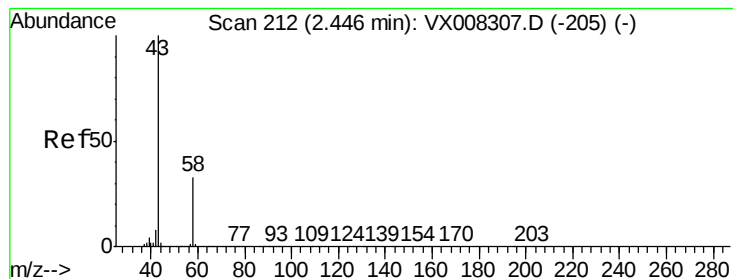
Tgt Ion: 56 Resp: 75080
Ion Ratio Lower Upper
56 100
55 72.1 58.6 87.8



#14
Acrylonitrile
Concen: 238.440 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 53 Resp: 230882
Ion Ratio Lower Upper
53 100
52 81.5 41.3 124.1
51 35.8 17.5 52.6





#15

Acetone

Concen: 252.352 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

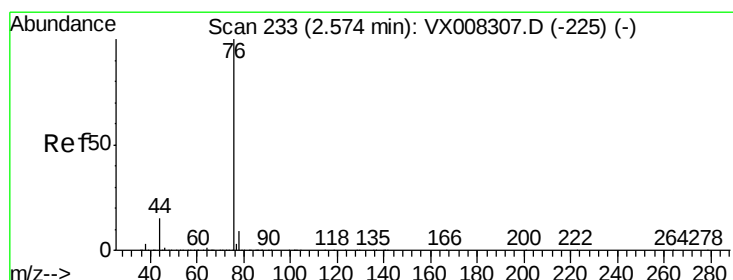
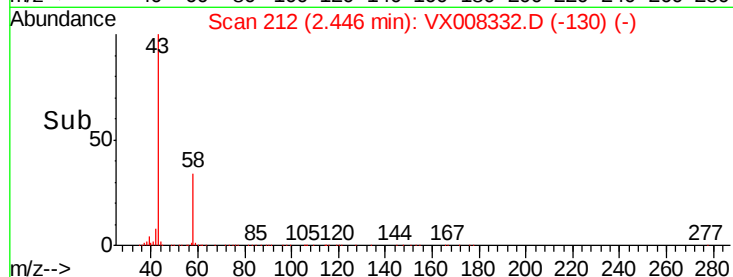
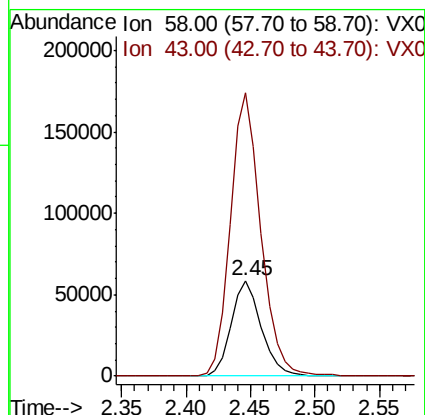
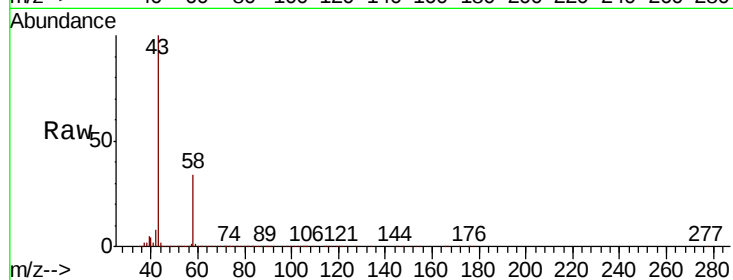
VSTDIC050

Tgt Ion: 58 Resp: 95820

Ion Ratio Lower Upper

58 100

43 296.2 249.8 374.6



#16

Carbon Disulfide

Concen: 46.759 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008332.D

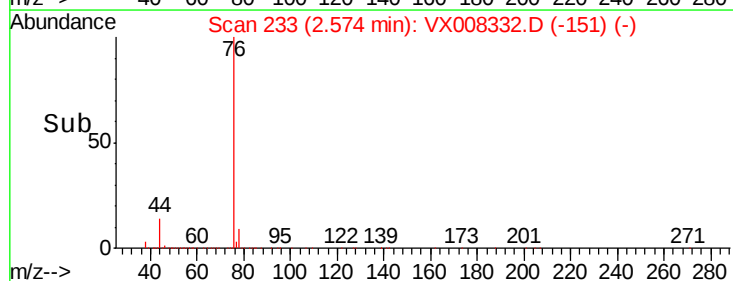
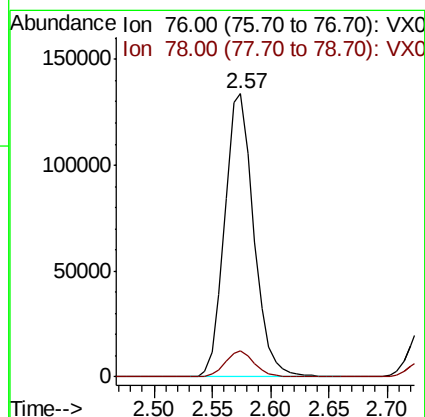
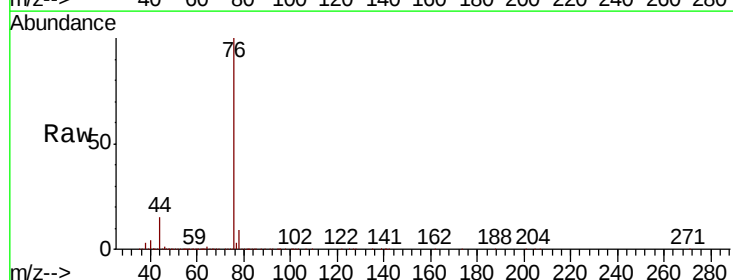
Acq: 22 Mar 2019 11:48

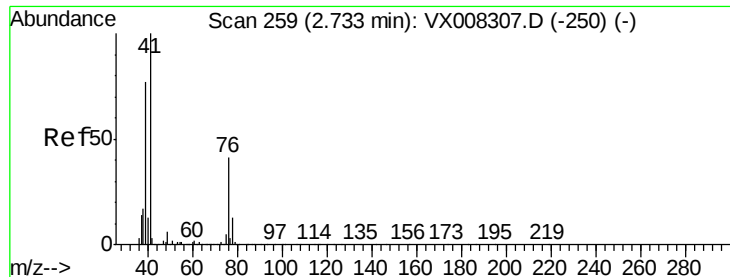
Tgt Ion: 76 Resp: 231827

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

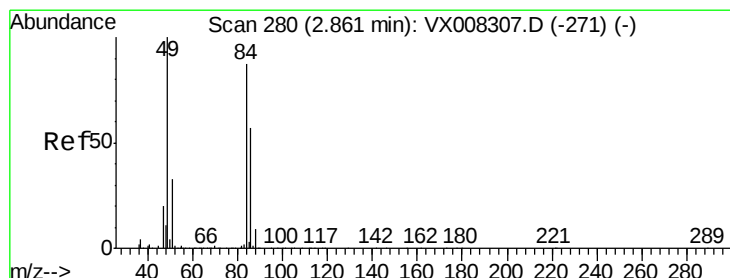
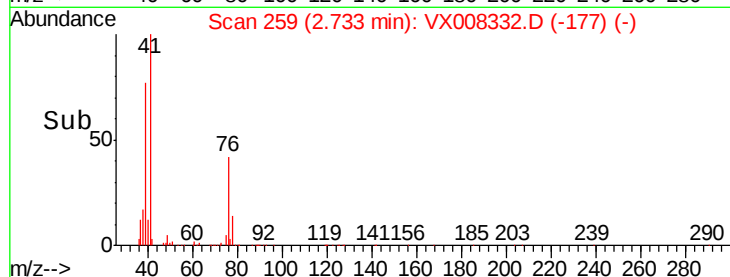
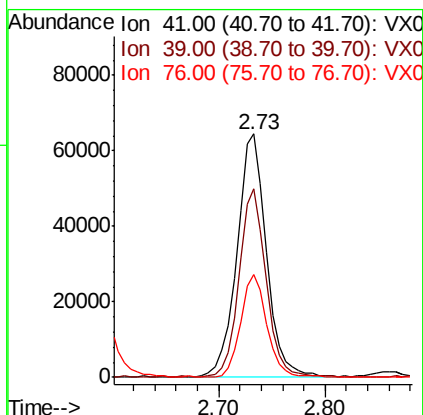
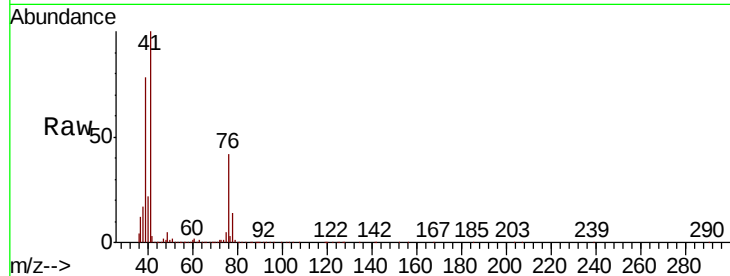




#17
 Allyl chloride
 Concen: 47.251 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

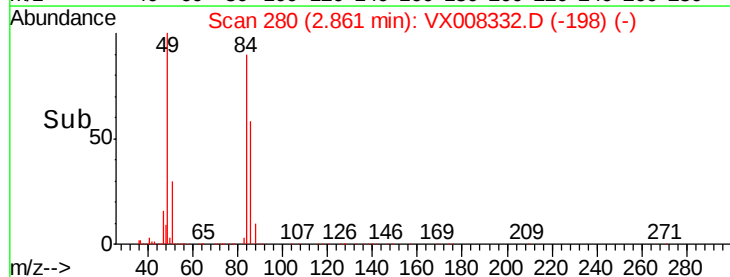
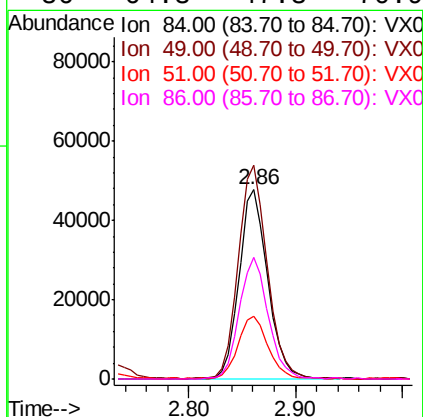
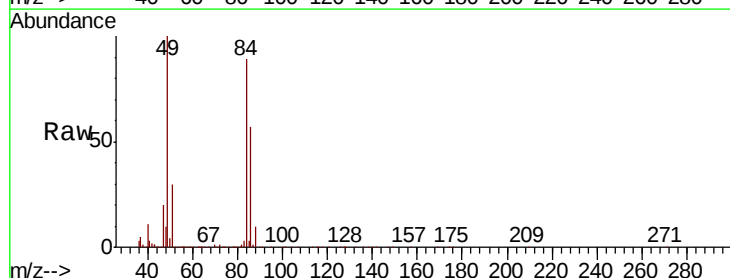
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

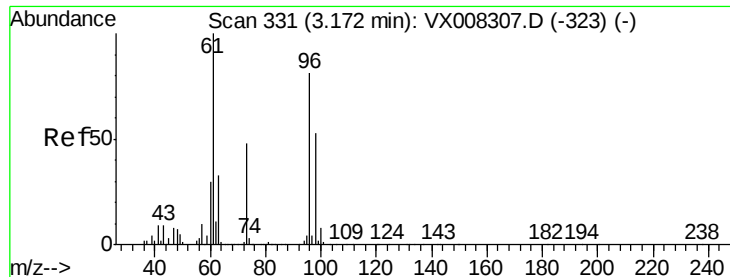
Tgt Ion: 41 Resp: 124673
 Ion Ratio Lower Upper
 41 100
 39 77.4 35.8 107.4
 76 41.8 18.3 54.9



#18
 Methylene Chloride
 Concen: 47.142 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 84 Resp: 90742
 Ion Ratio Lower Upper
 84 100
 49 112.6 96.1 144.1
 51 32.9 29.1 43.7
 86 64.3 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 46.499 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

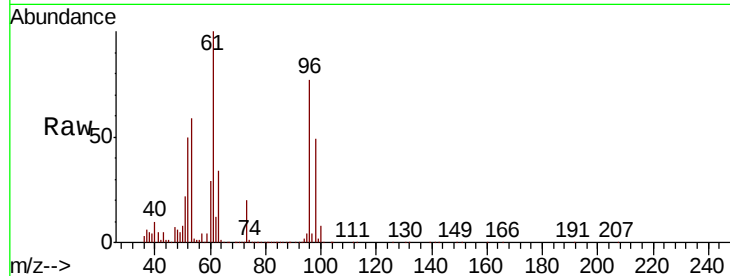
Tgt Ion: 96 Resp: 88260

Ion Ratio Lower Upper

96 100

61 130.3 109.9 164.9

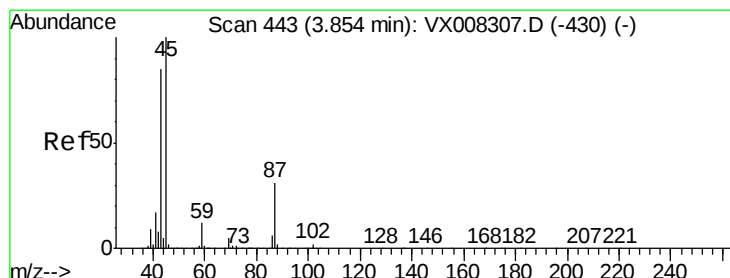
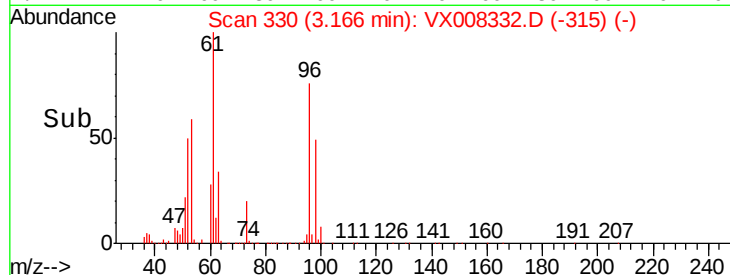
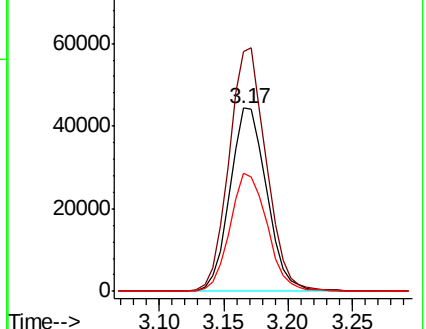
98 64.5 50.4 75.6



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: 47.426 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion: 45 Resp: 261653

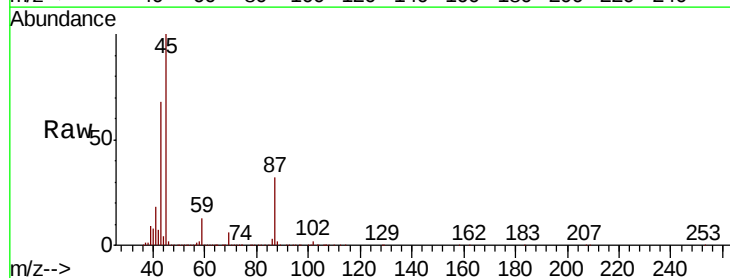
Ion Ratio Lower Upper

45 100

43 67.8 50.6 76.0

87 32.4 24.5 36.7

59 12.4 10.2 15.2

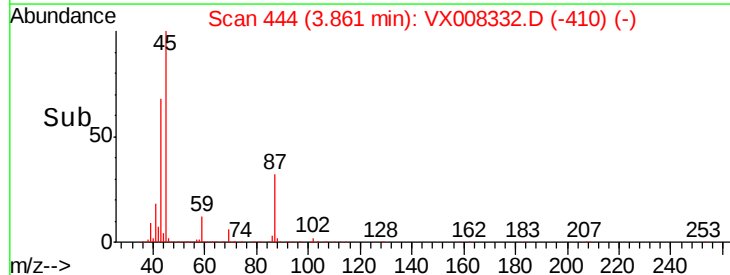
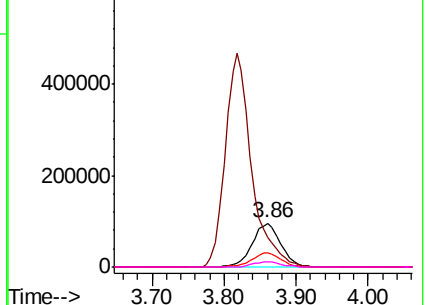


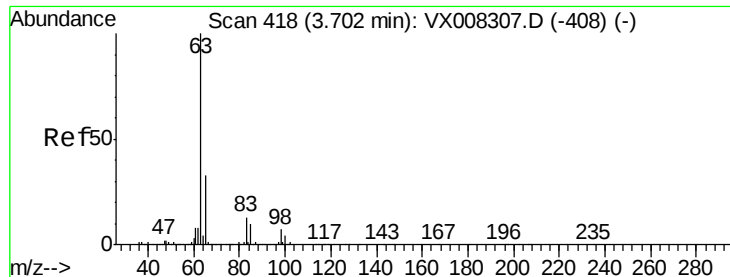
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 47.725 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

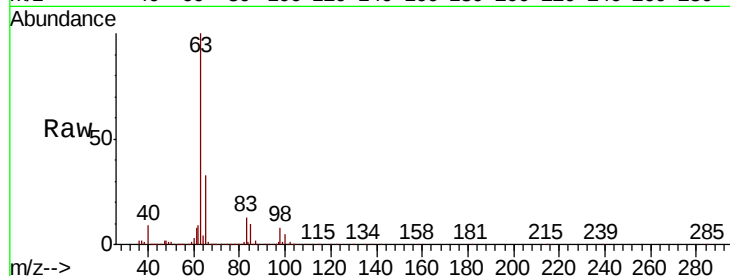
Tgt Ion: 63 Resp: 155504

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

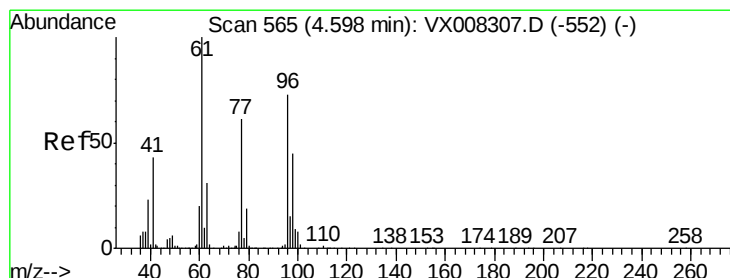
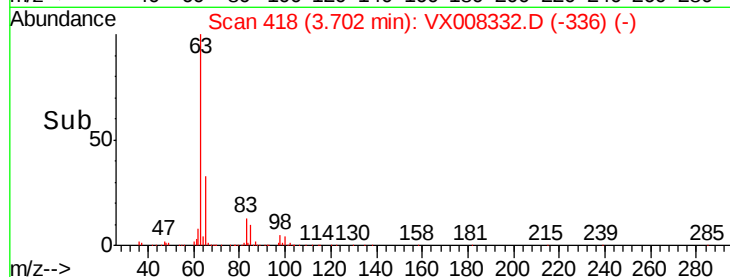
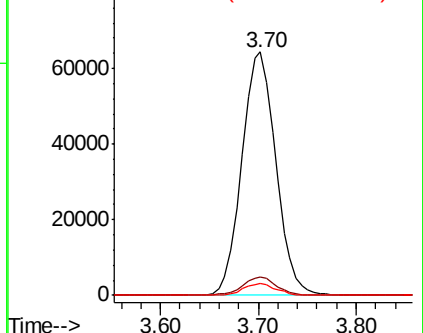
100 4.7 2.4 7.1



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: 47.103 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

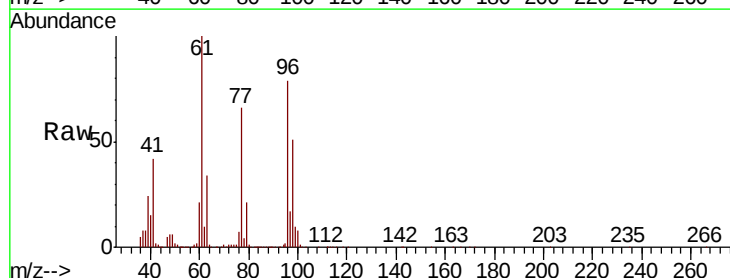
Tgt Ion: 96 Resp: 103119

Ion Ratio Lower Upper

96 100

61 133.7 103.5 155.3

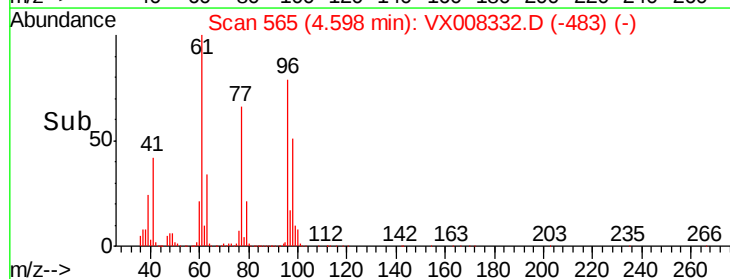
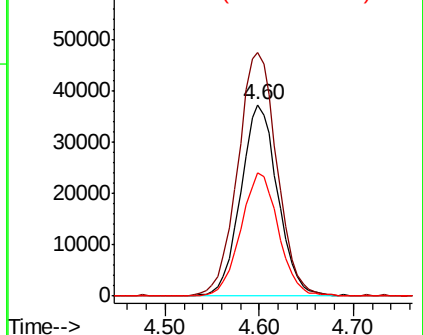
98 65.4 52.1 78.1

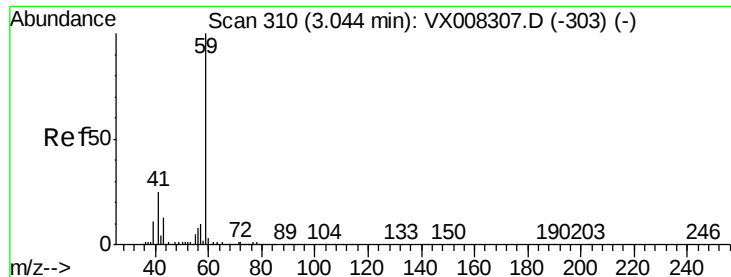


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



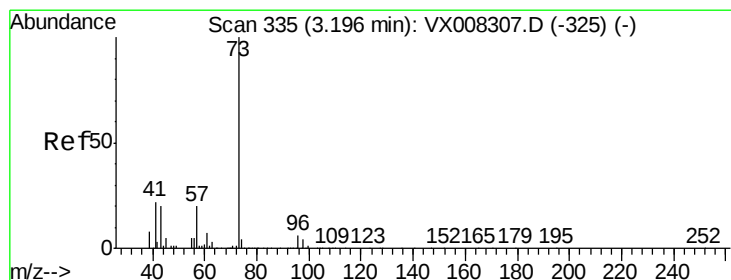
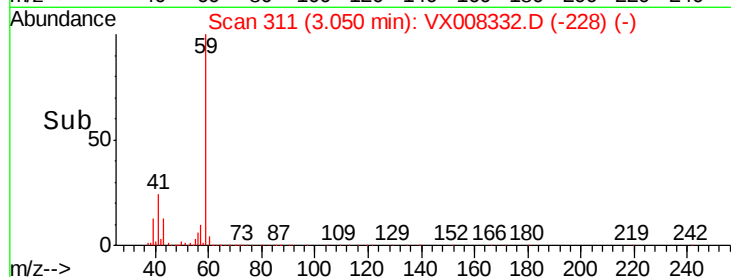
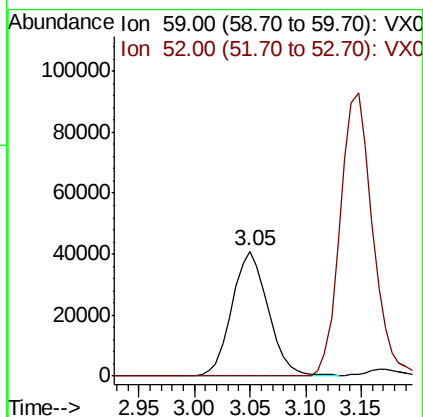
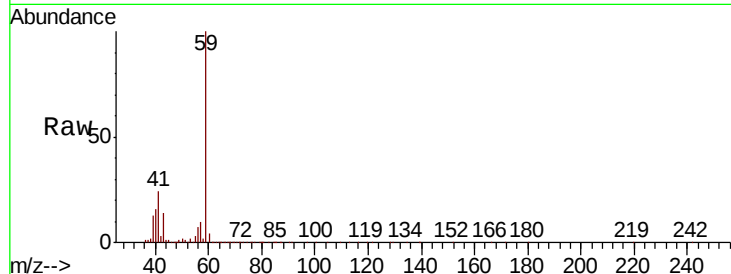


#23

tert-Butyl Alcohol
Concen: 233.784 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

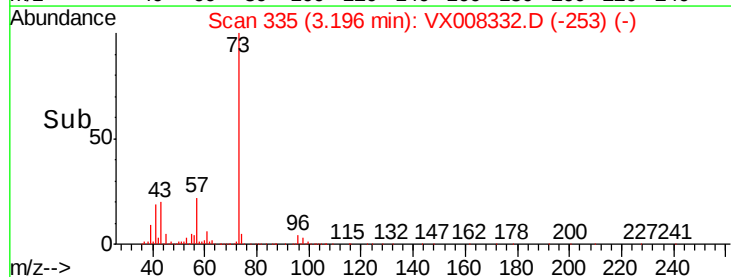
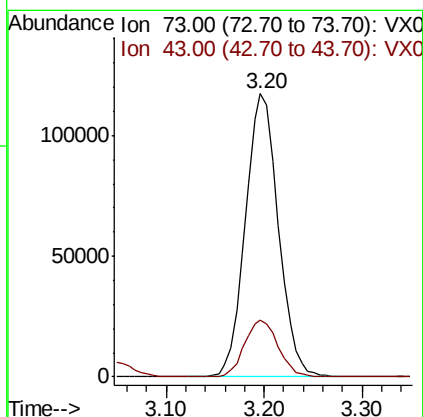
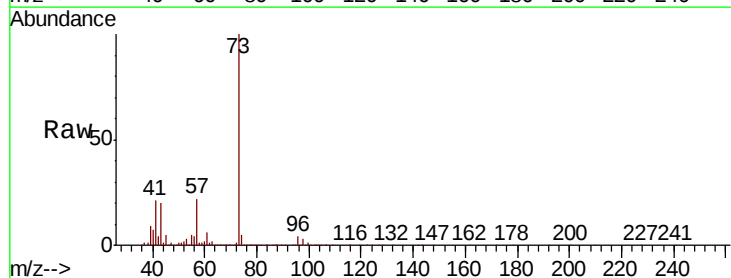
Tgt Ion: 59 Resp: 91900
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

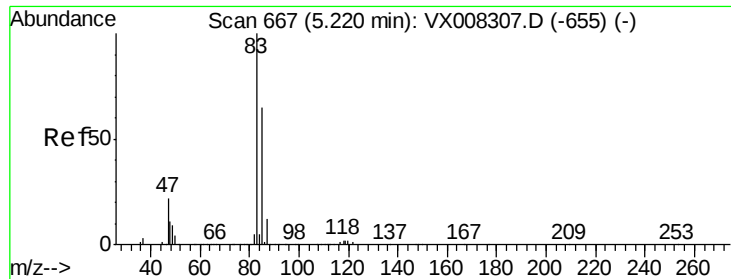


#24

Methyl tert-Butyl Ether
Concen: 47.758 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 73 Resp: 274351
Ion Ratio Lower Upper
73 100
43 20.3 17.1 25.7





#25

Chloroform

Concen: 47.420 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

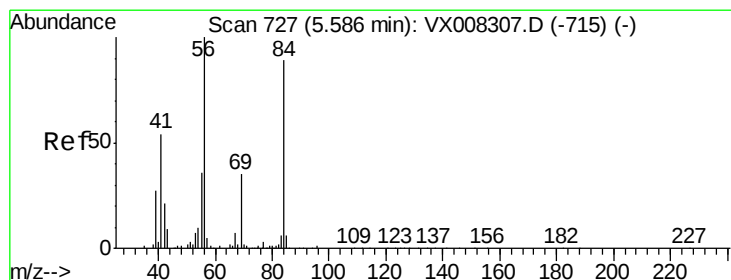
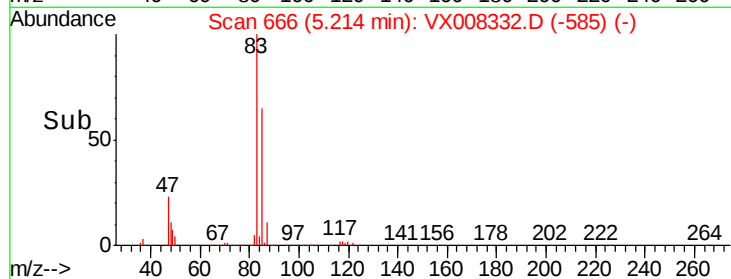
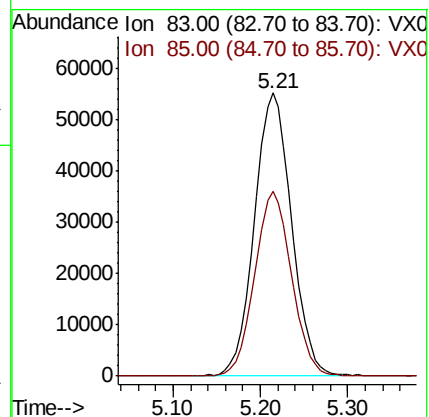
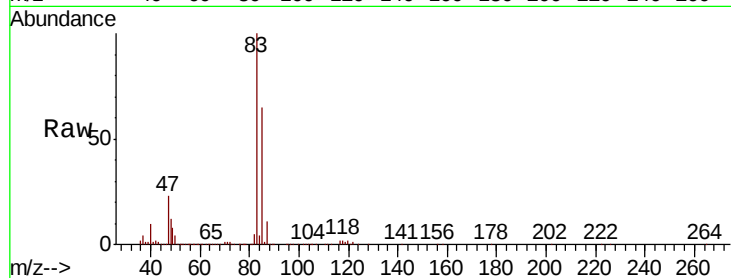
VSTDIC050

Tgt Ion: 83 Resp: 163900

Ion Ratio Lower Upper

83 100

85 65.0 53.8 80.6



#26

Cyclohexane

Concen: 47.391 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

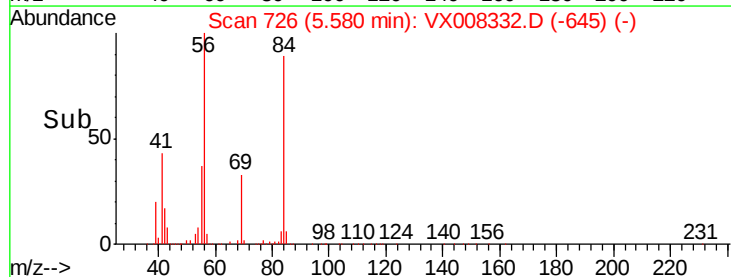
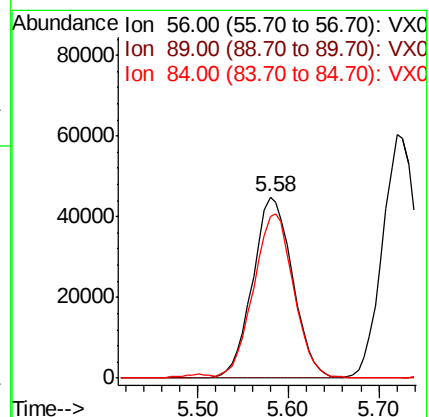
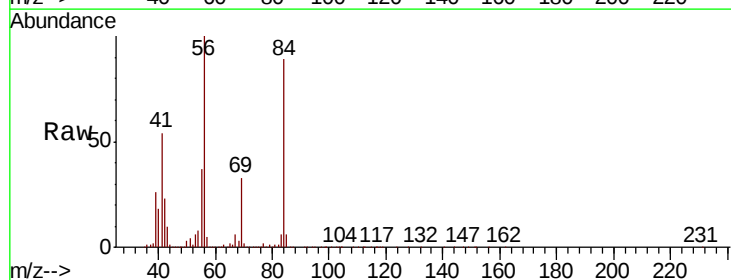
Tgt Ion: 56 Resp: 136562

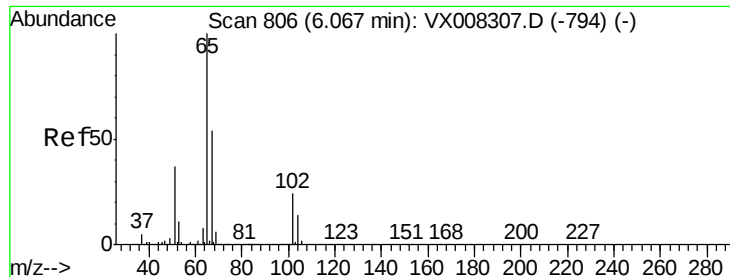
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 91.4 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.537 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

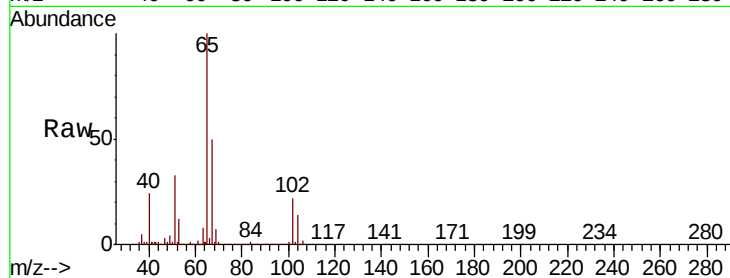
VSTDIC050

Tgt Ion: 65 Resp: 67168

Ion Ratio Lower Upper

65 100

67 51.4 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

25000

20000

15000

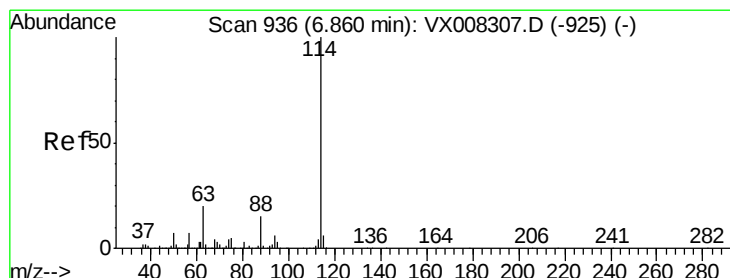
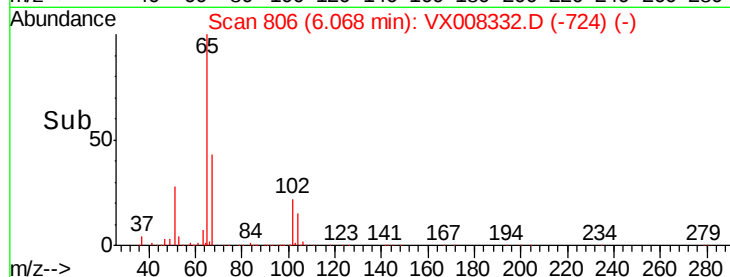
10000

5000

0

6.00 6.10 6.20

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

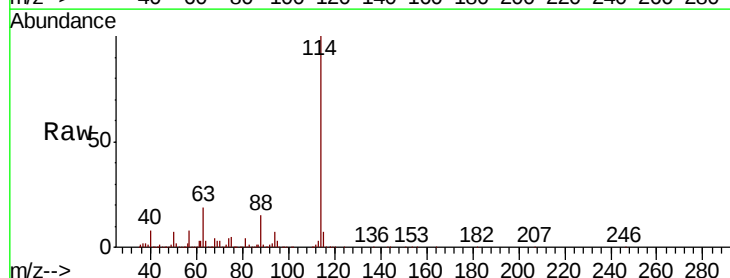
Tgt Ion: 114 Resp: 173677

Ion Ratio Lower Upper

114 100

63 18.9 14.2 21.4

88 15.7 11.9 17.9



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

6.86

100000

80000

60000

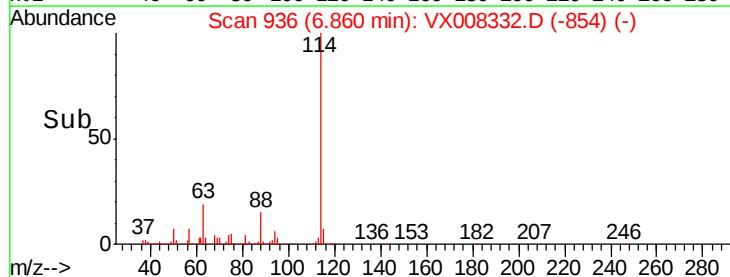
40000

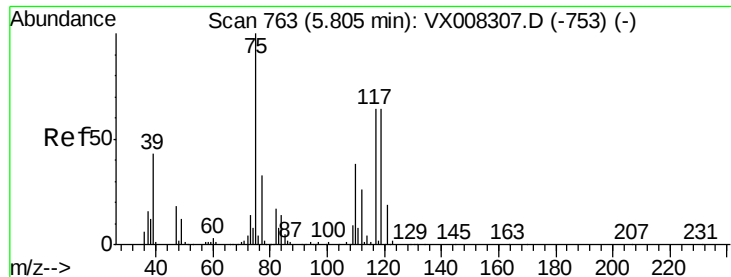
20000

0

6.80 6.90

Time-->

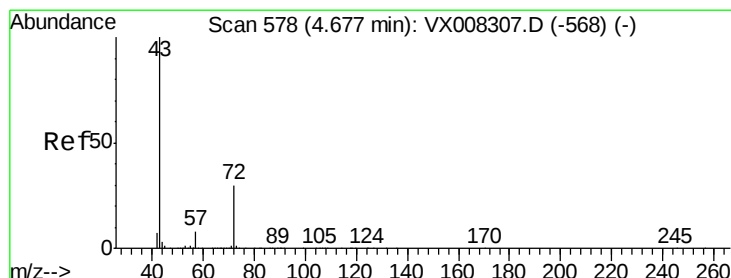
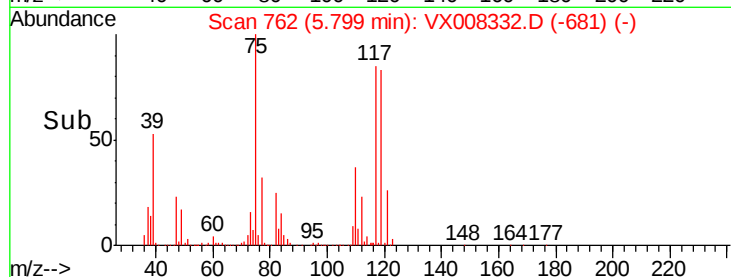
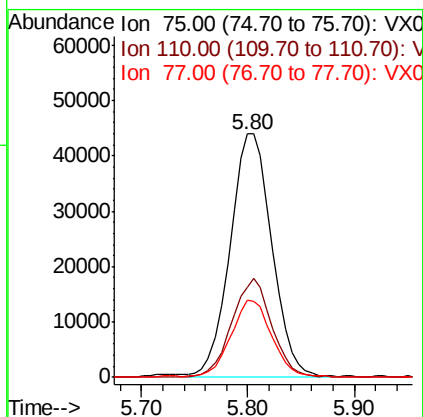
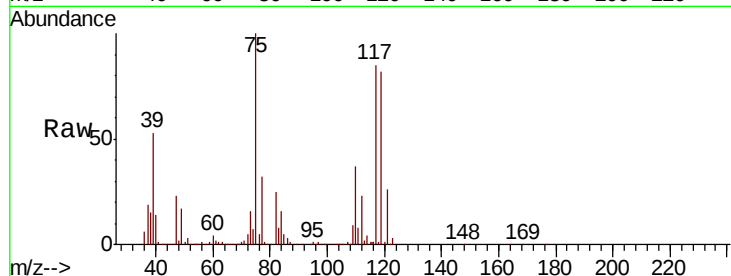




#29
 1,1-Dichloropropene
 Concen: 48.975 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

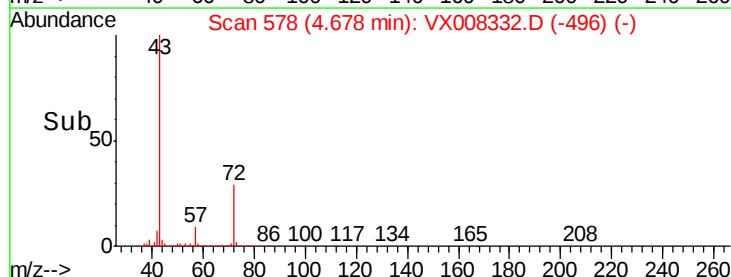
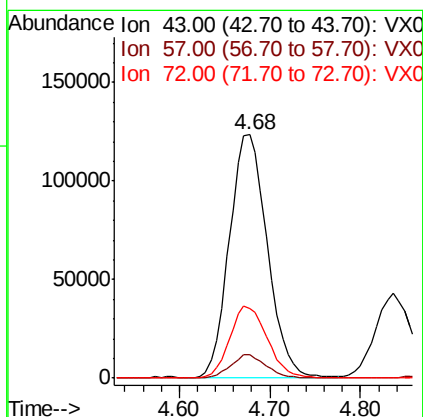
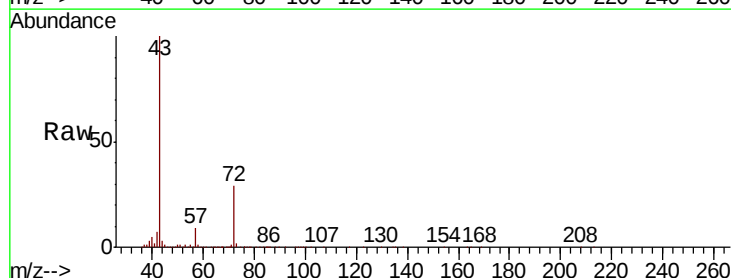
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

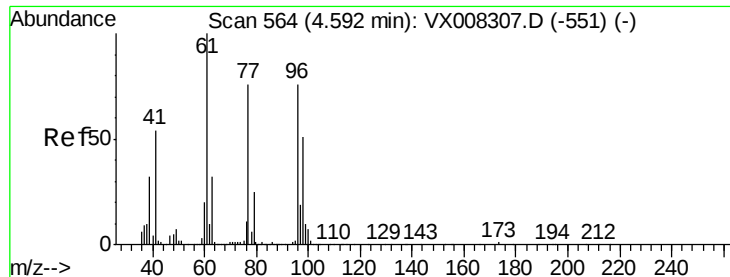
Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	0.0	80.8
77	31.0	0.0	62.4



#30
 2-Butanone
 Concen: 251.309 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	7.0	10.6
72	28.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 48.475 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

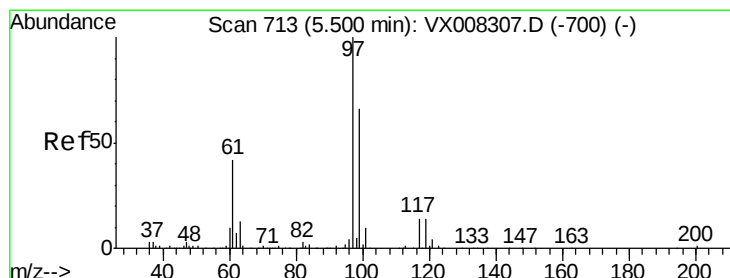
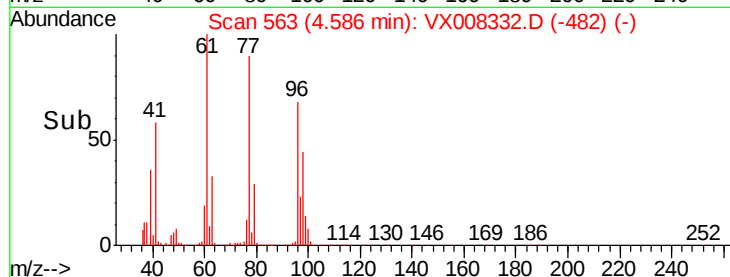
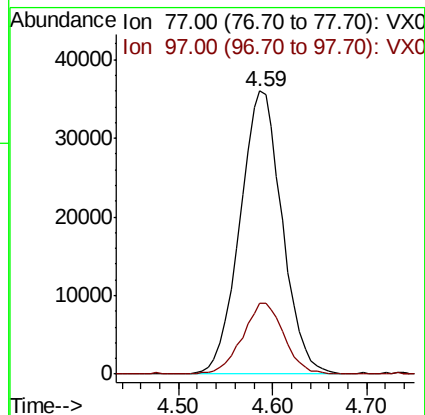
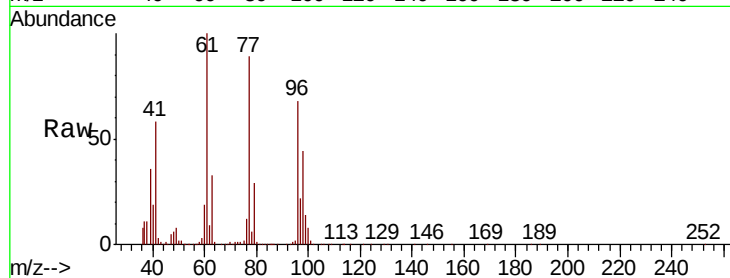
VSTDIC050

Tgt Ion: 77 Resp: 112581

Ion Ratio Lower Upper

77 100

97 24.9 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 48.760 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

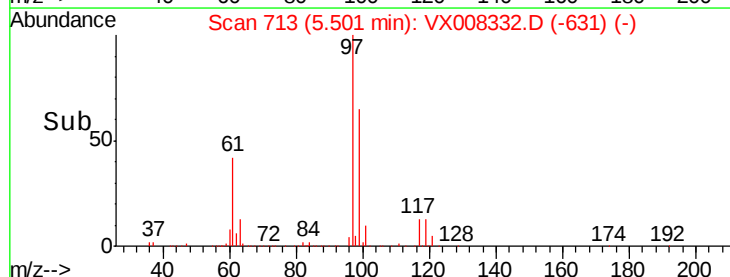
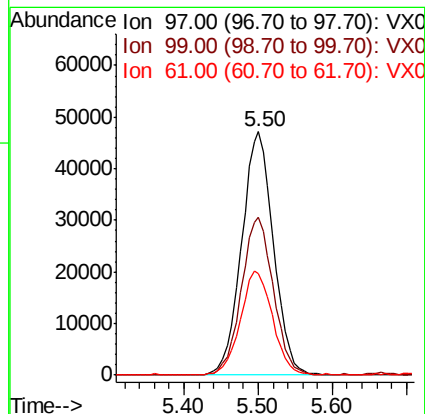
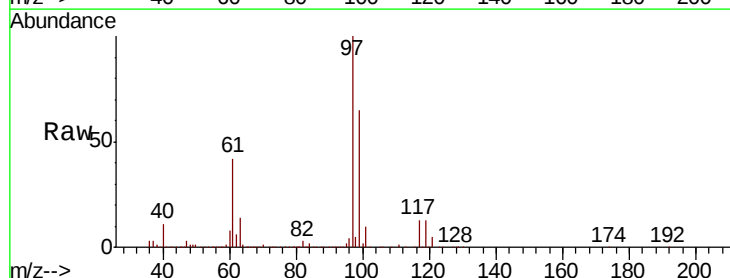
Tgt Ion: 97 Resp: 141522

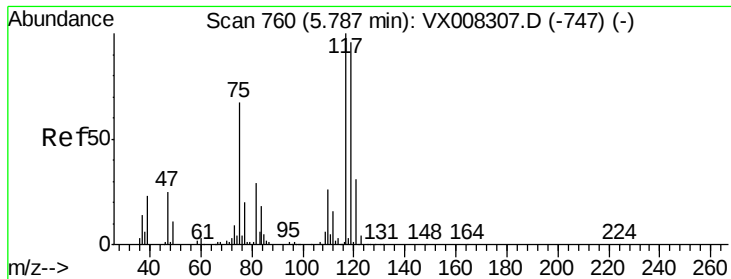
Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 42.9 32.8 49.2





#33

Carbon Tetrachloride

Concen: 48.906 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

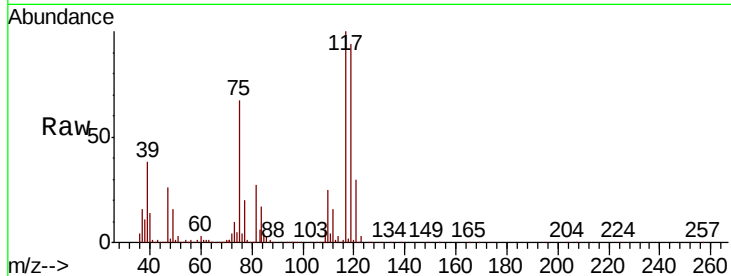
Tgt Ion: 117 Resp: 130362

Ion Ratio Lower Upper

117 100

119 94.0 78.1 117.1

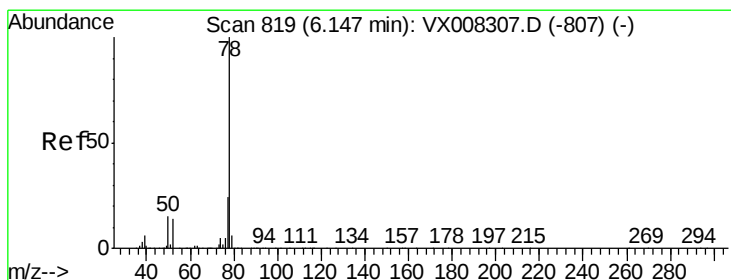
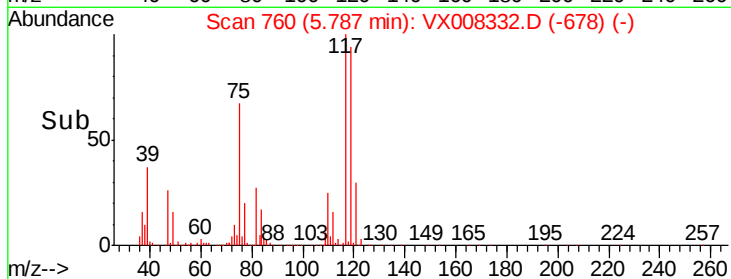
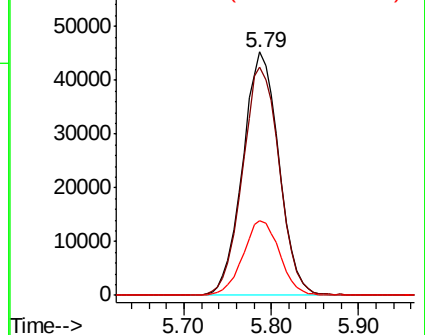
121 30.4 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 49.320 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

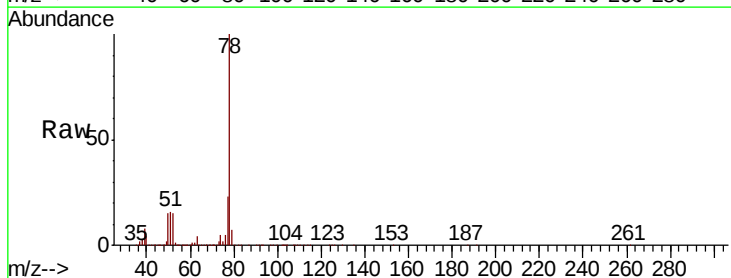
Tgt Ion: 78 Resp: 362395

Ion Ratio Lower Upper

78 100

77 23.4 19.1 28.7

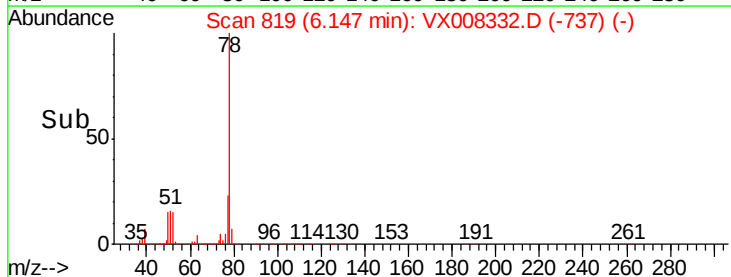
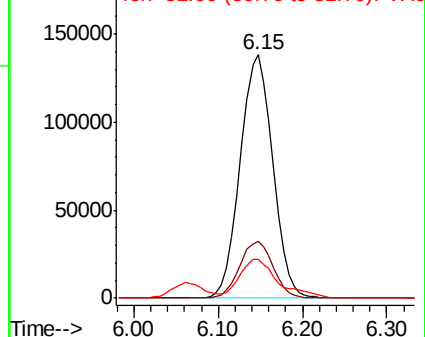
51 15.7 10.8 16.2

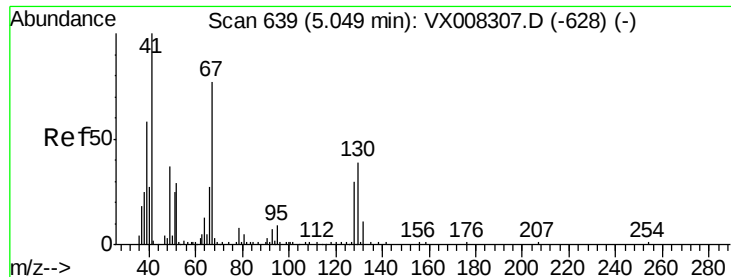


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

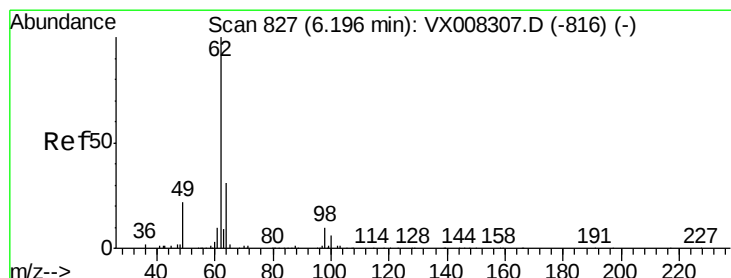
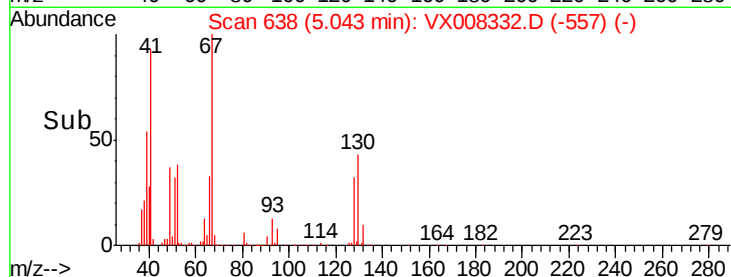
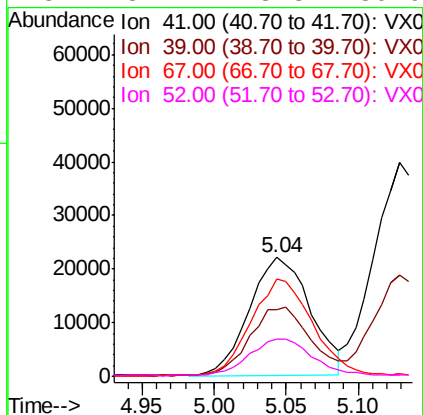
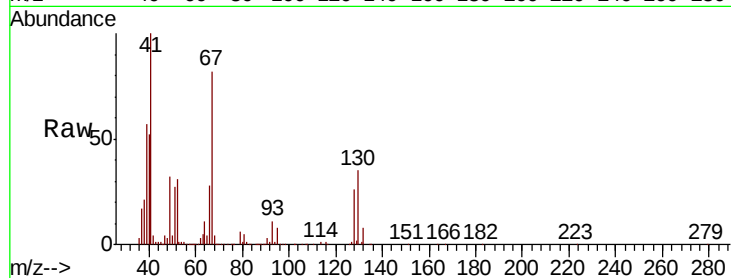




#35
Methacrylonitrile
Concen: 49.037 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

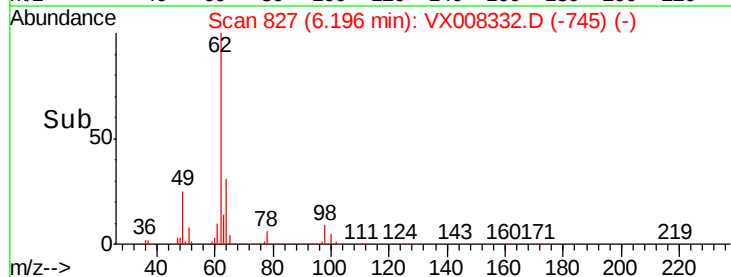
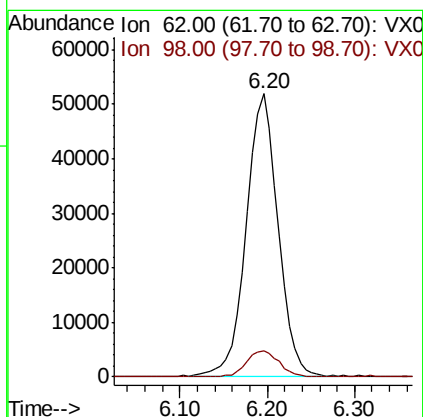
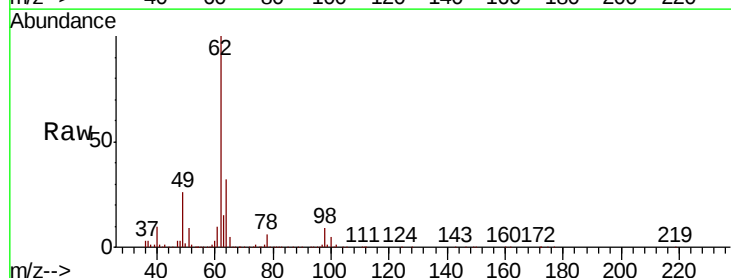
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

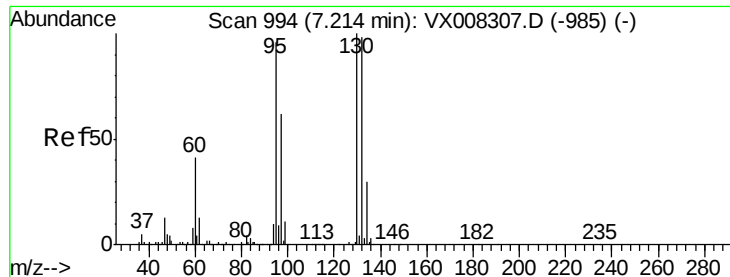
Tgt Ion:	41	Resp:	64899
Ion	Ratio	Lower	Upper
41	100		
39	56.1	27.4	82.0
67	82.3	37.9	113.6
52	31.1	13.3	39.9



#36
1,2-Dichloroethane
Concen: 48.172 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion:	62	Resp:	130464
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.8	11.8





#37

Trichloroethene

Concen: 48.411 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

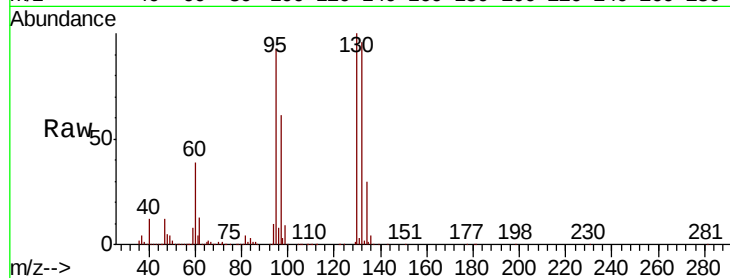
VSTDIC050

Tgt Ion:130 Resp: 104586

Ion Ratio Lower Upper

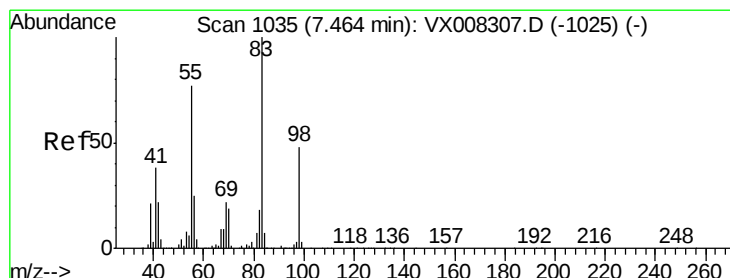
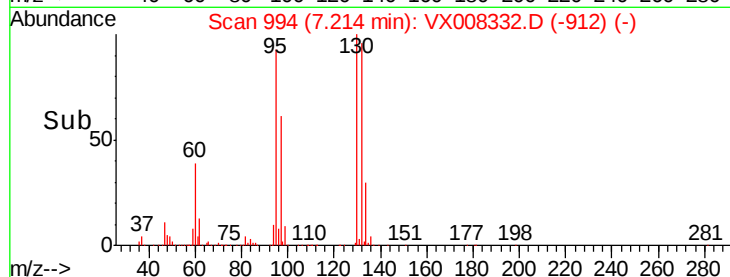
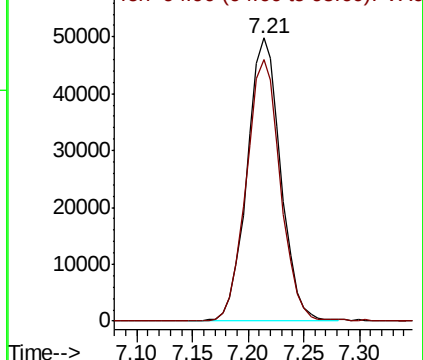
130 100

95 92.5 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 49.048 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

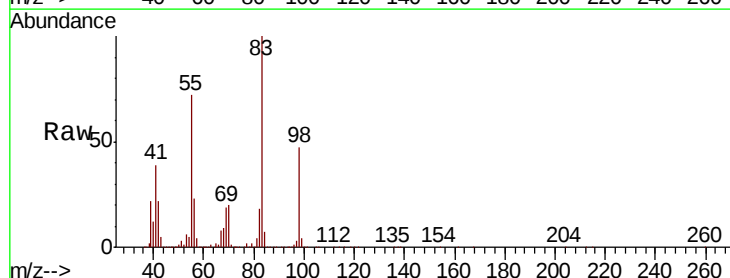
Tgt Ion: 83 Resp: 151636

Ion Ratio Lower Upper

83 100

55 71.1 36.0 108.0

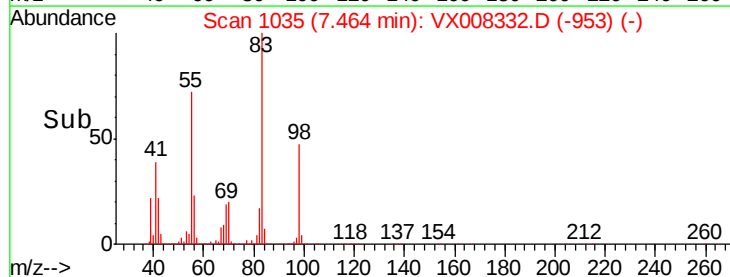
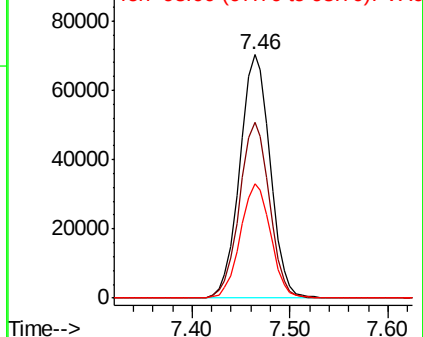
98 47.2 23.8 71.4

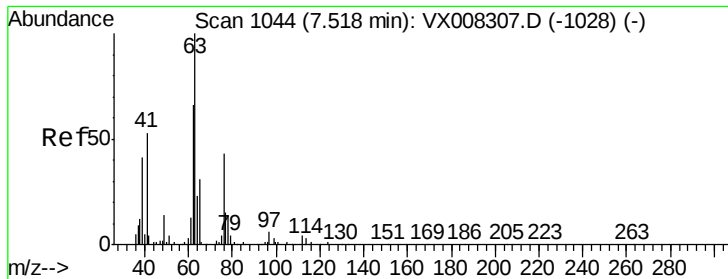


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

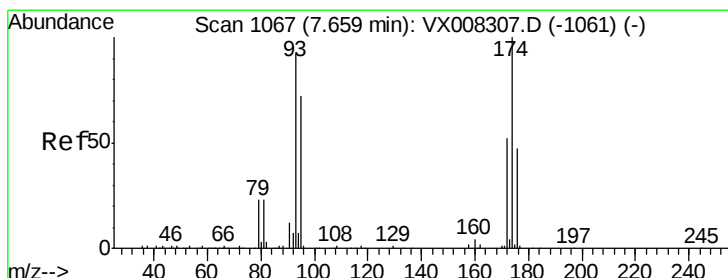
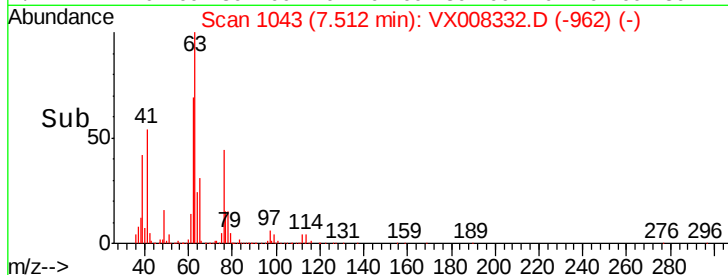
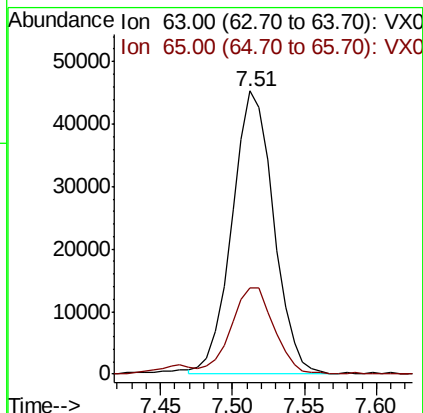
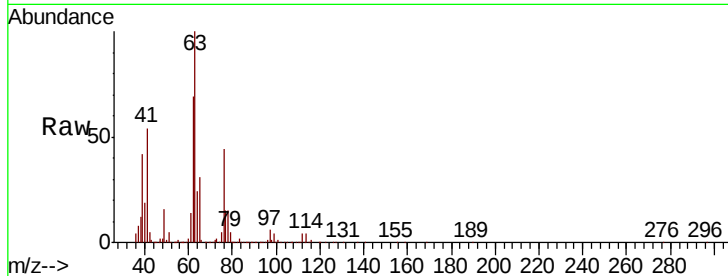




#39
 1,2-Dichloropropane
 Concen: 48.500 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

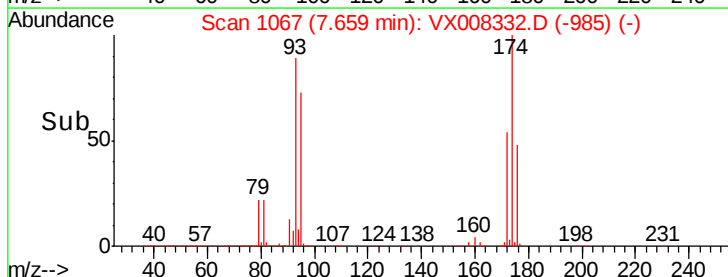
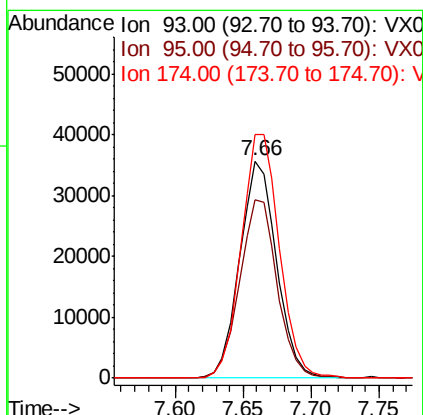
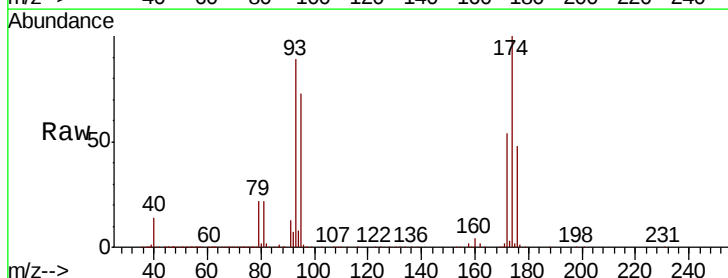
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

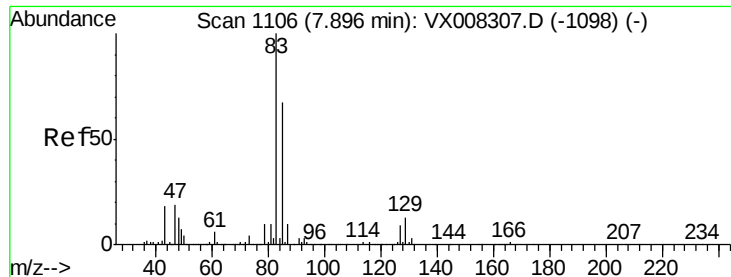
Tgt Ion: 63 Resp: 90679
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0



#40
 Dibromomethane
 Concen: 49.328 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 93 Resp: 67642
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 158.8
 174 116.1 0.0 224.2

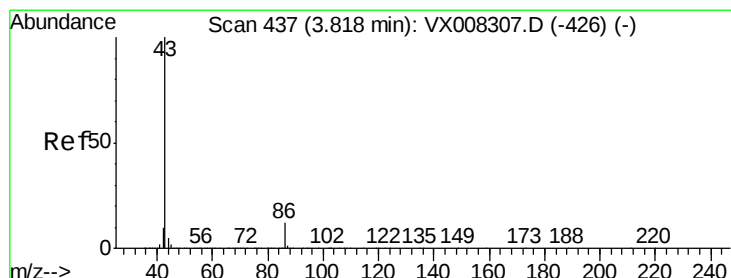
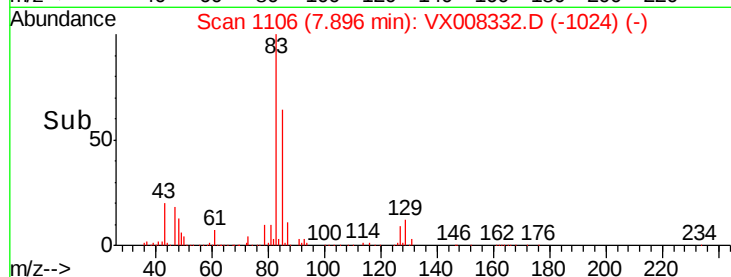
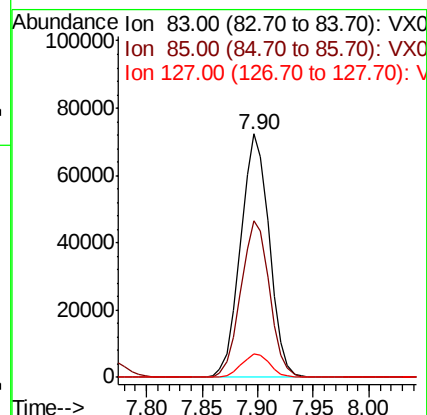
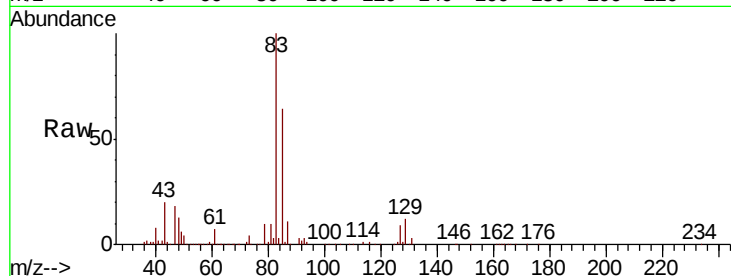




#41
 Bromodichloromethane
 Concen: 49.659 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

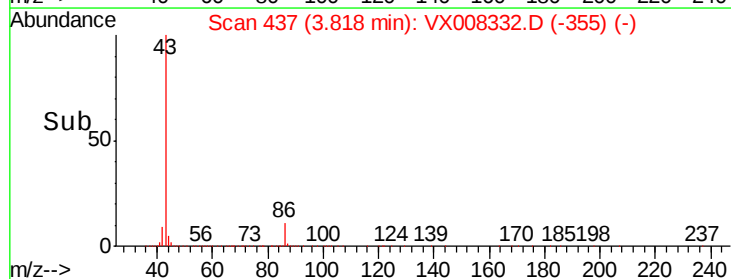
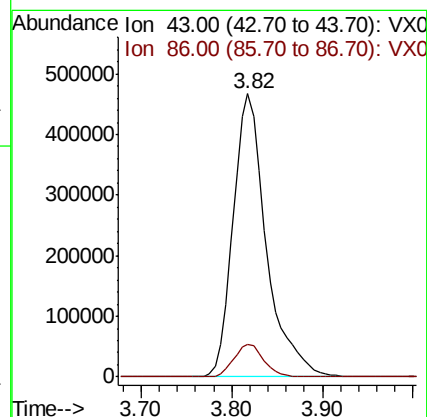
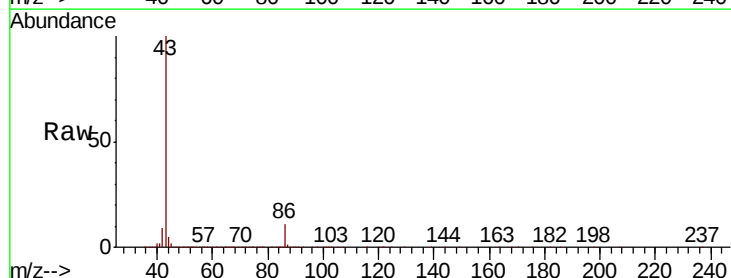
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

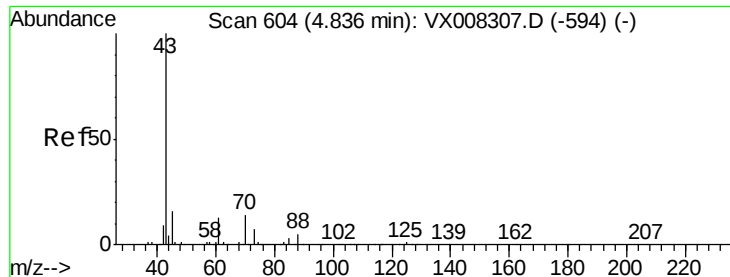
Tgt Ion: 83 Resp: 129215
 Ion Ratio Lower Upper
 83 100
 85 64.1 51.1 76.7
 127 9.4 7.2 10.8



#42
 Vinyl Acetate
 Concen: 248.400 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 43 Resp: 1186234
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2

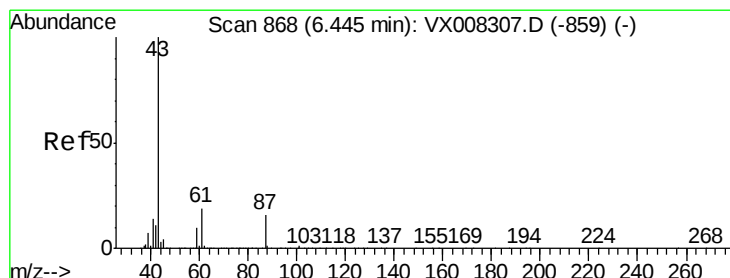
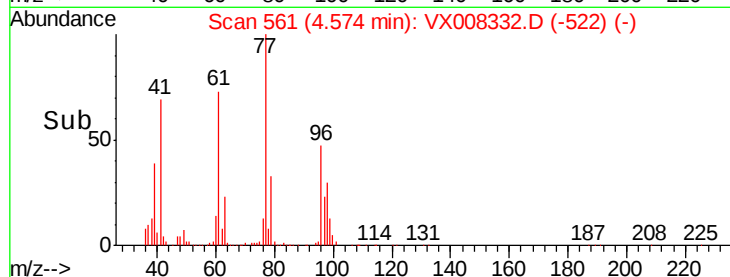
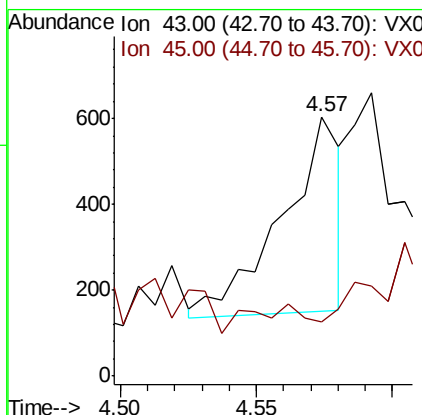
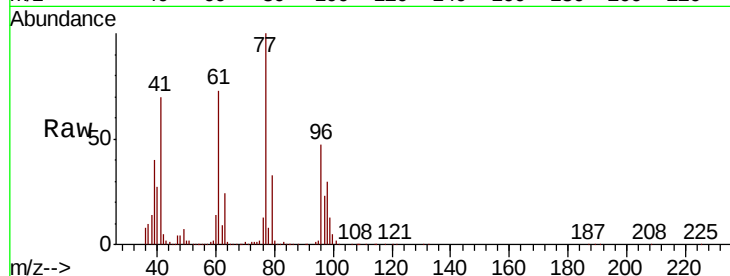




#43
Ethyl Acetate
Concen: 0.271 ug/l
RT: 4.57 min Scan# 561
Delta R.T. -0.26 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

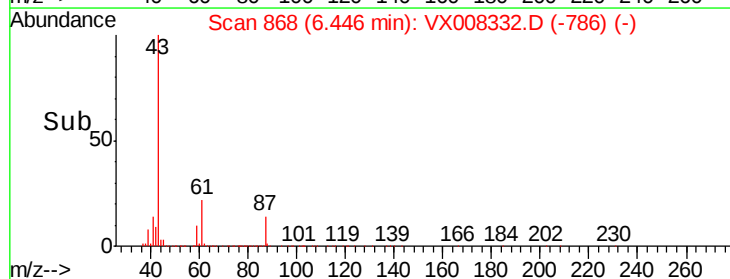
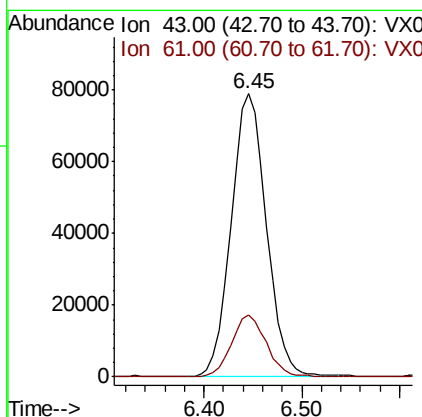
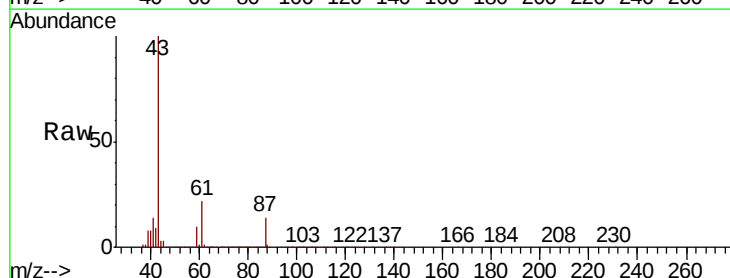
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

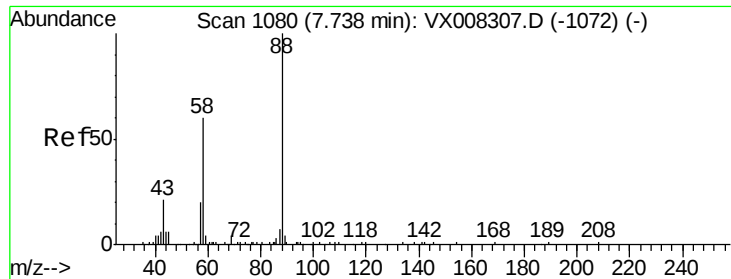
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
45 7.6 6.9 10.3



#44
Isopropyl Acetate
Concen: 49.571 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 43 Resp: 195650
Ion Ratio Lower Upper
43 100
61 21.2 16.1 24.1

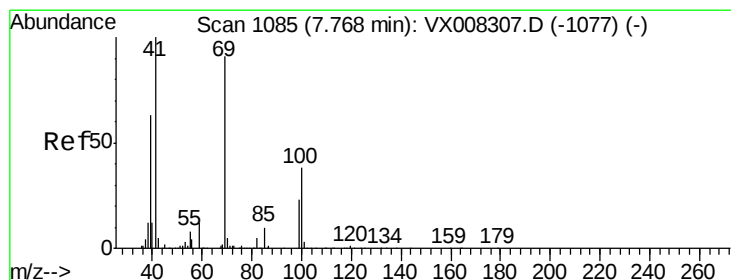
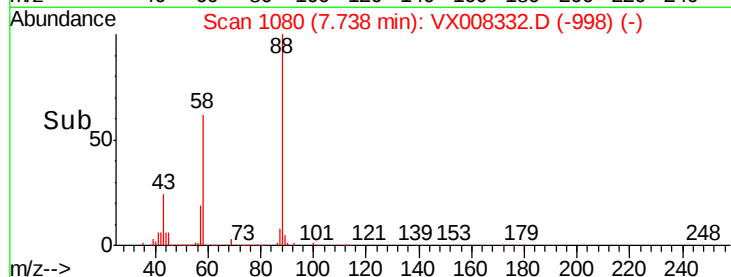
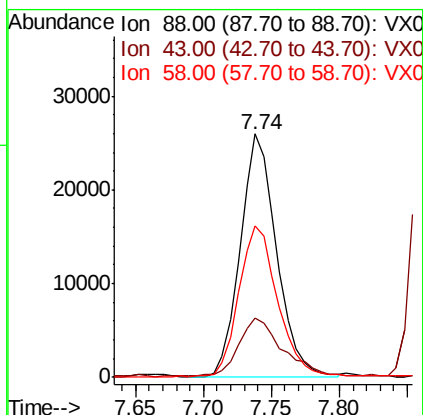
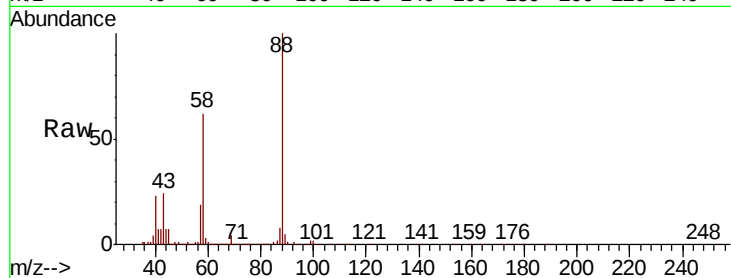




#45
 1,4-Dioxane
 Concen: 974.969 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

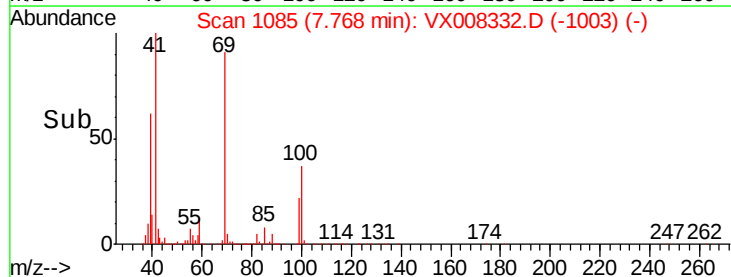
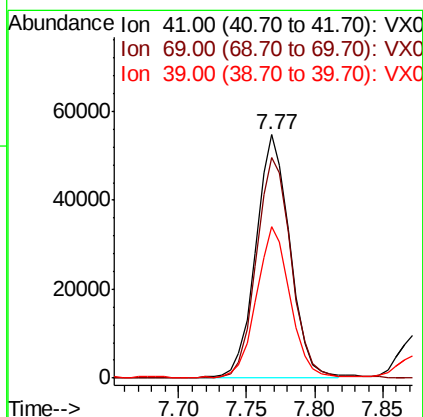
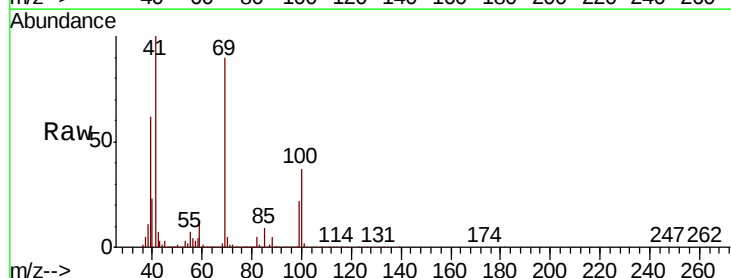
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

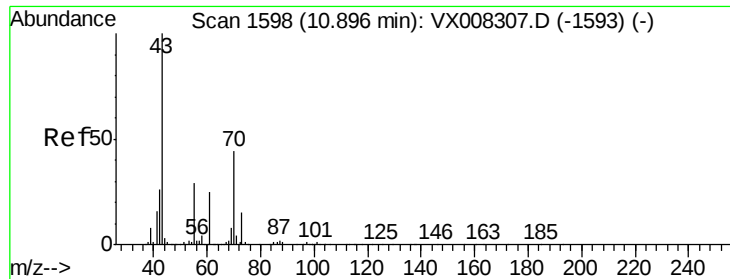
Tgt Ion: 88 Resp: 48400
 Ion Ratio Lower Upper
 88 100
 43 28.5 23.6 35.4
 58 65.7 51.6 77.4



#46
 Methyl methacrylate
 Concen: 49.390 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 41 Resp: 95651
 Ion Ratio Lower Upper
 41 100
 69 90.6 44.2 132.6
 39 61.8 29.9 89.8

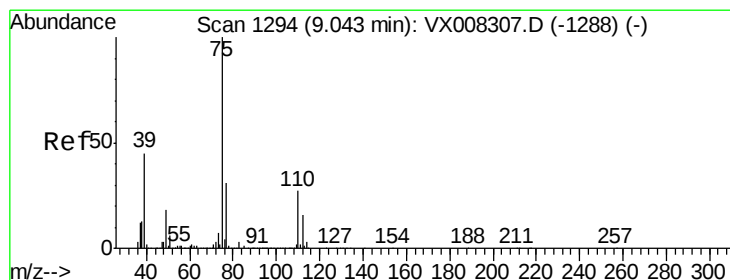
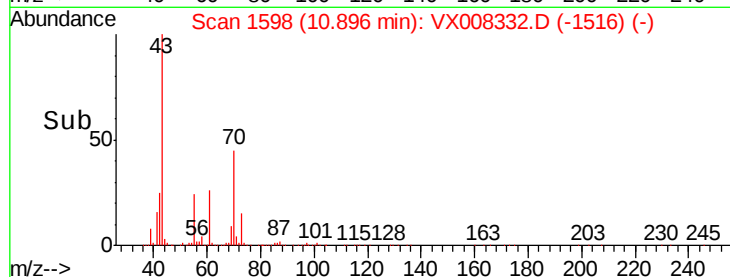
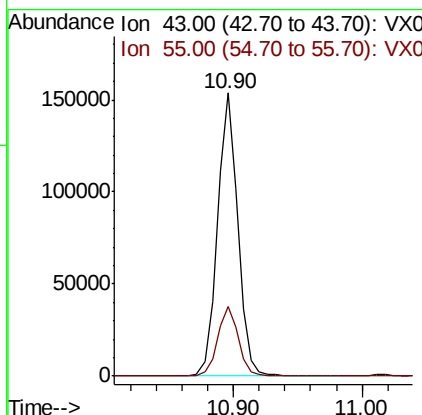
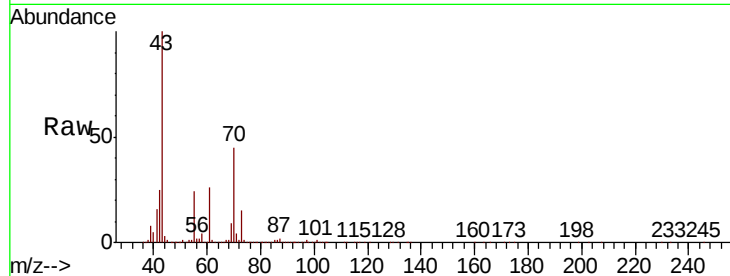




#47
n-amy1 Acetate
Concen: 50.300 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

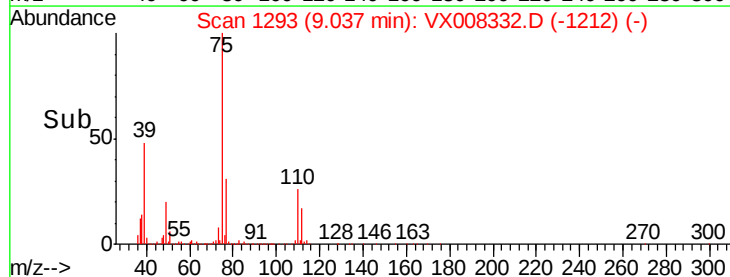
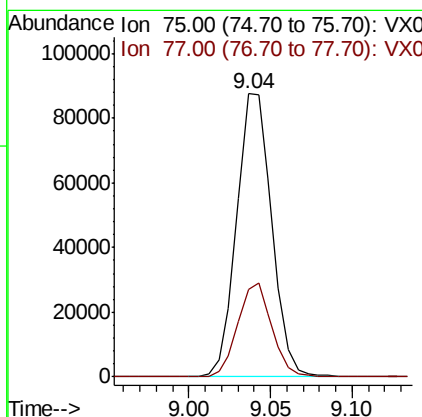
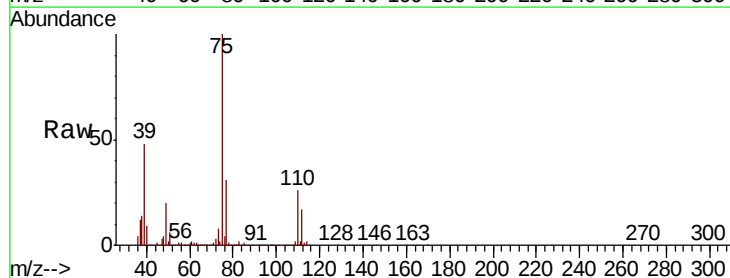
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

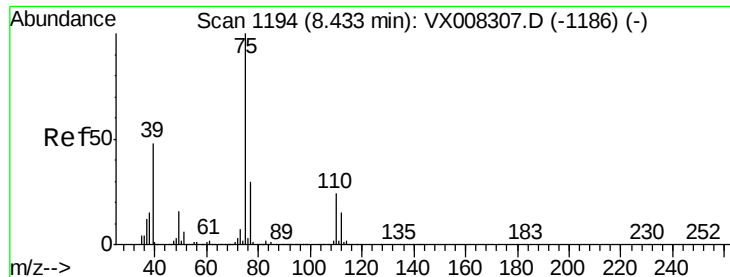
Tgt Ion: 43 Resp: 170210
Ion Ratio Lower Upper
43 100
55 24.9 20.8 31.2



#48
t-1,3-Dichloropropene
Concen: 50.241 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 75 Resp: 130887
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7



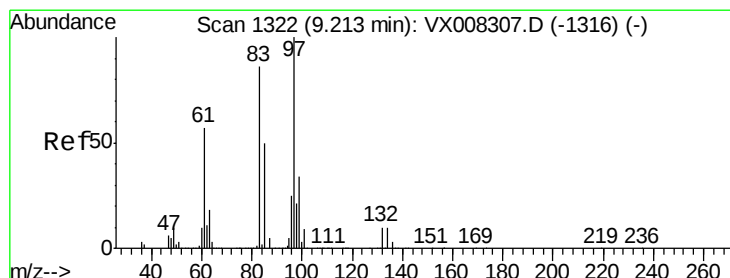
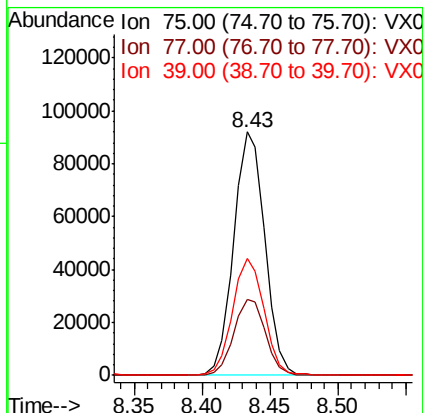
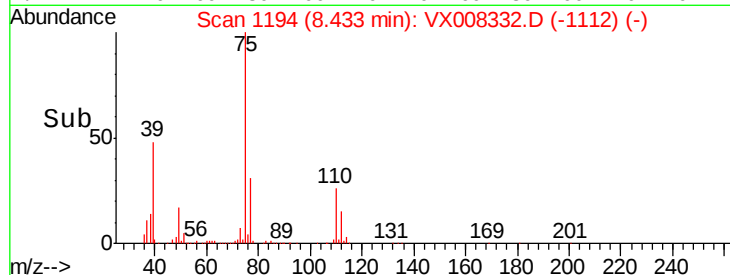
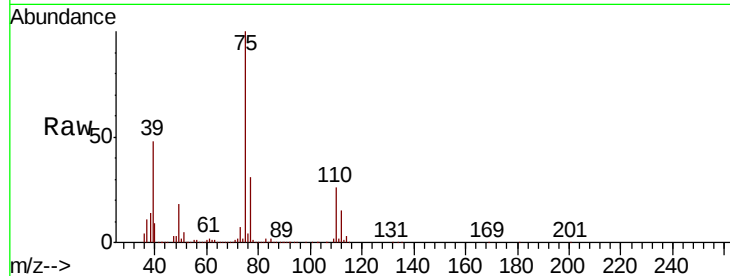


#49

cis-1,3-Dichloropropene
 Concen: 50.491 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

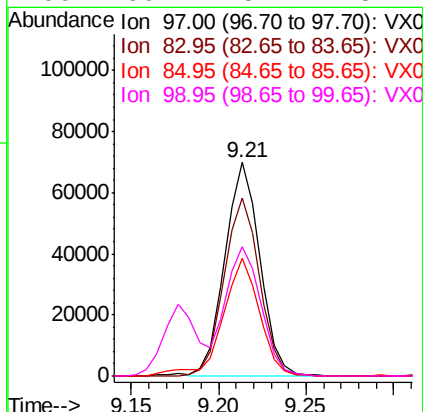
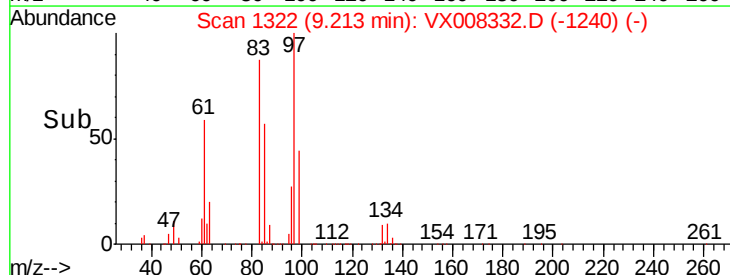
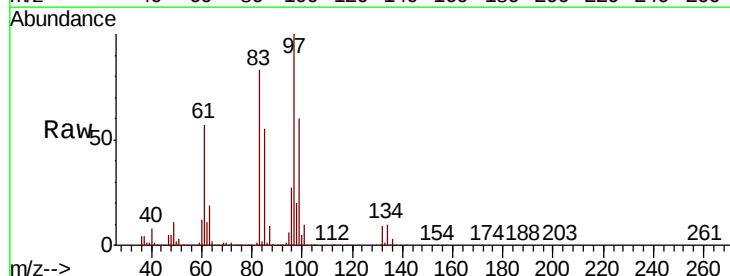
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	47.9	38.5	57.7

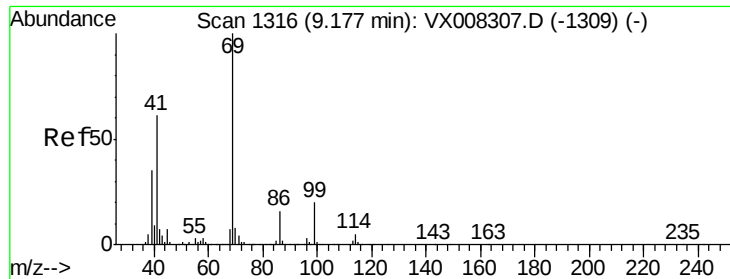


#50

1,1,2-Trichloroethane
 Concen: 49.345 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	72.0	108.0
85	55.0	45.0	67.6
99	60.2	54.2	81.4





#51

Ethyl methacrylate

Concen: 51.676 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

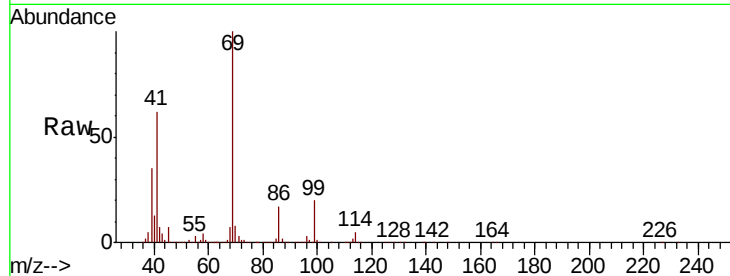
Tgt Ion: 69 Resp: 148623

Ion Ratio Lower Upper

69 100

41 62.0 32.1 96.5

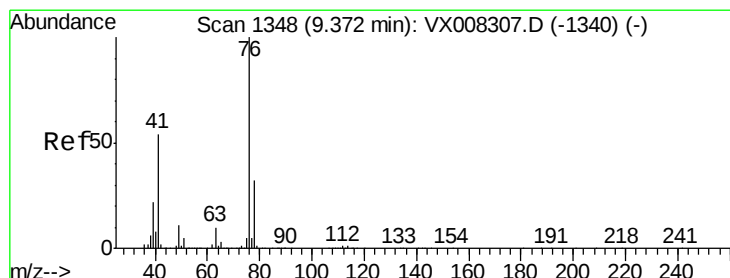
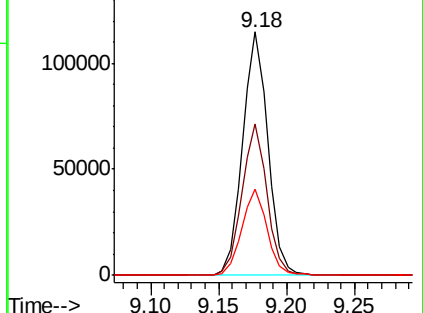
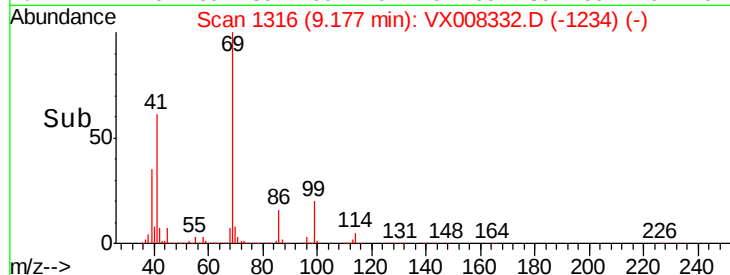
39 35.2 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 49.501 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008332.D

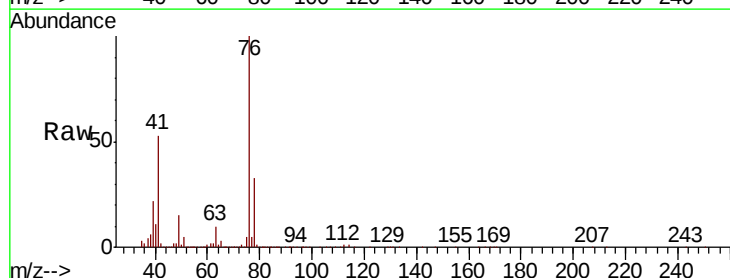
Acq: 22 Mar 2019 11:48

Tgt Ion: 76 Resp: 156393

Ion Ratio Lower Upper

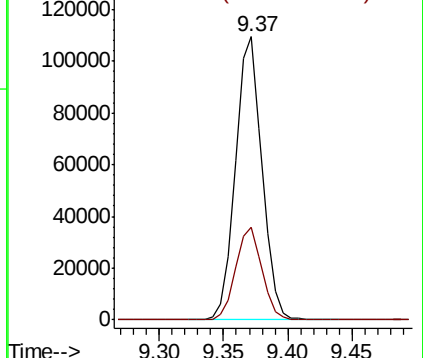
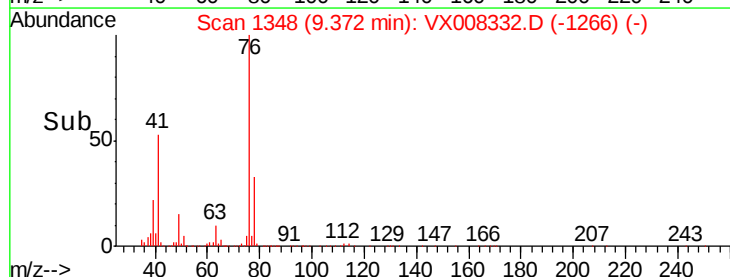
76 100

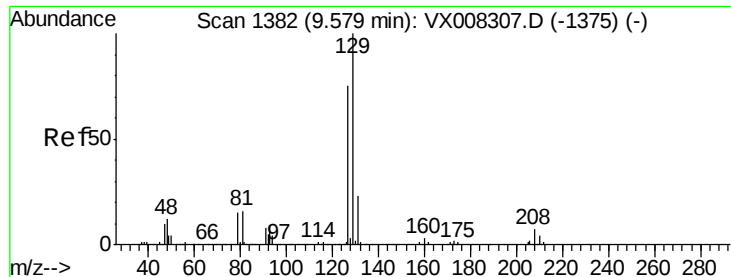
78 32.5 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 50.197 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

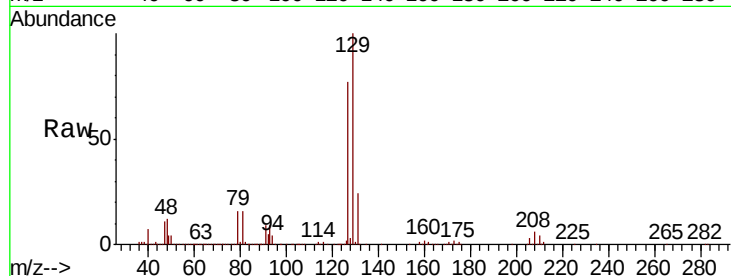
VSTDIC050

Tgt Ion:129 Resp: 111471

Ion Ratio Lower Upper

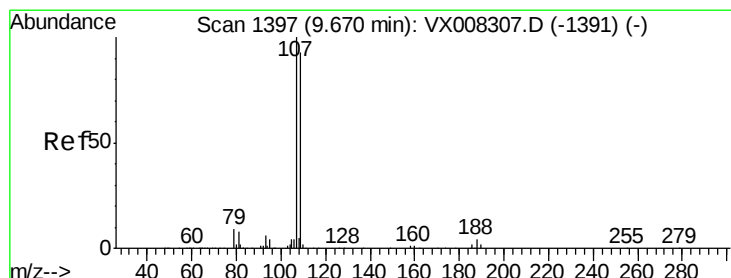
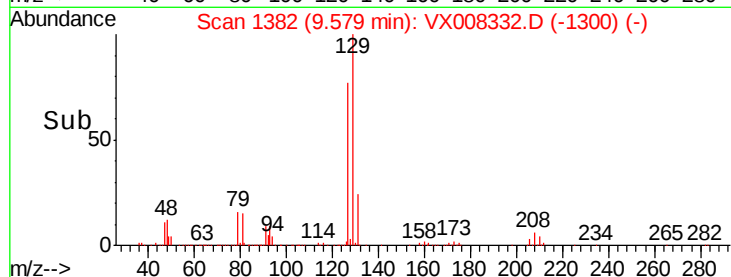
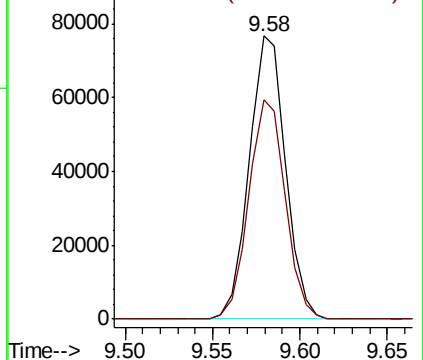
129 100

127 77.8 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.602 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008332.D

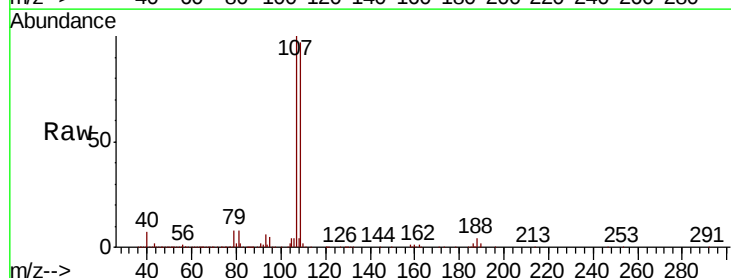
Acq: 22 Mar 2019 11:48

Tgt Ion:107 Resp: 107210

Ion Ratio Lower Upper

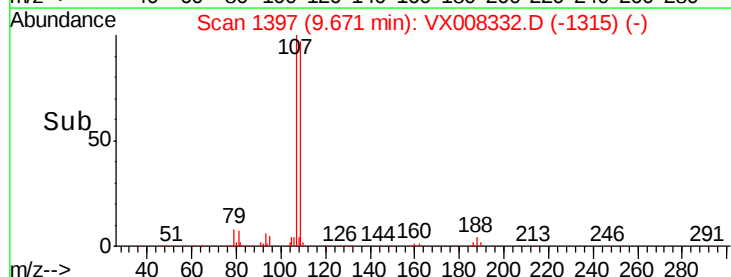
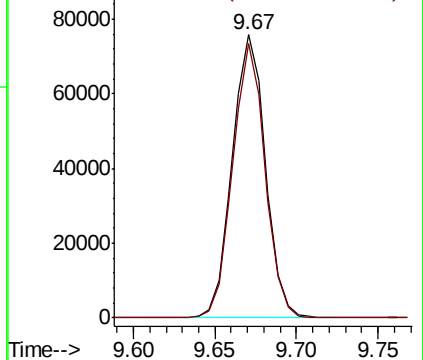
107 100

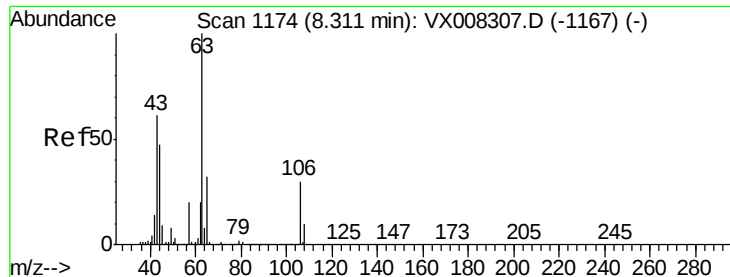
109 94.2 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

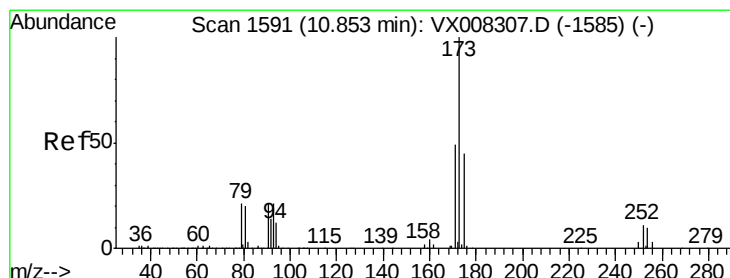
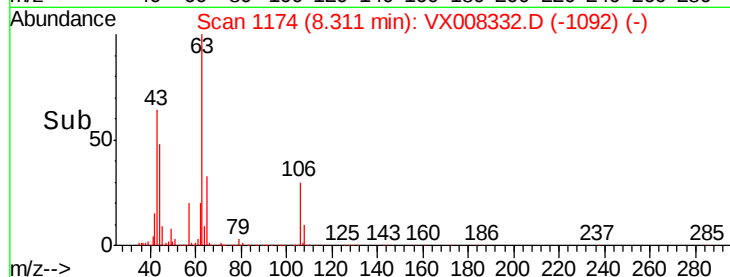
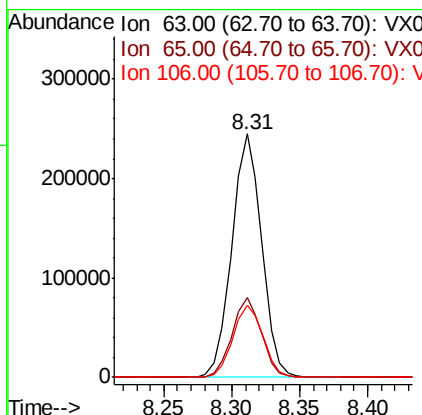
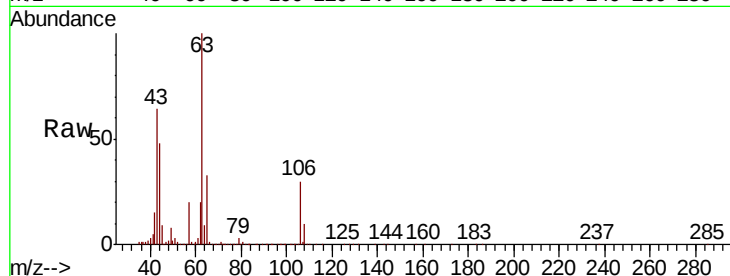




#55
 2-Chloroethyl vinyl ether
 Concen: 256.600 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

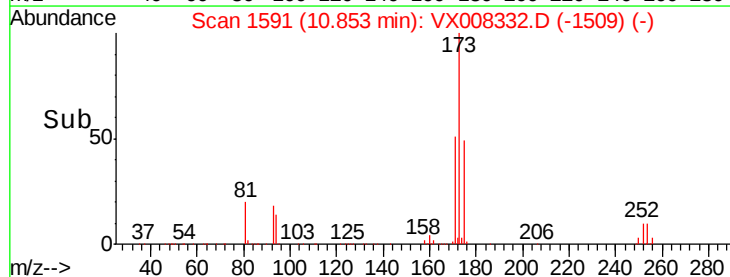
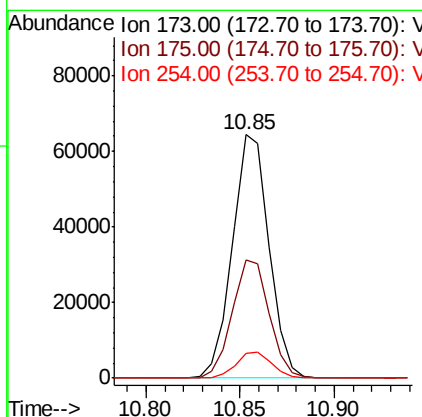
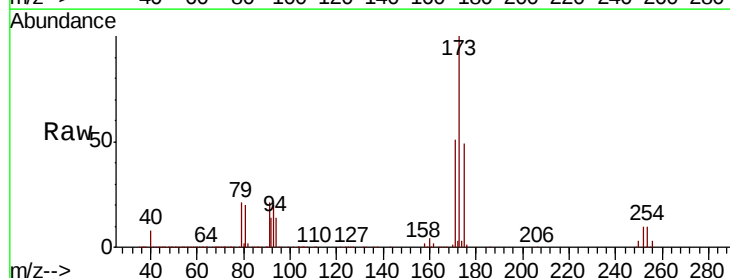
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

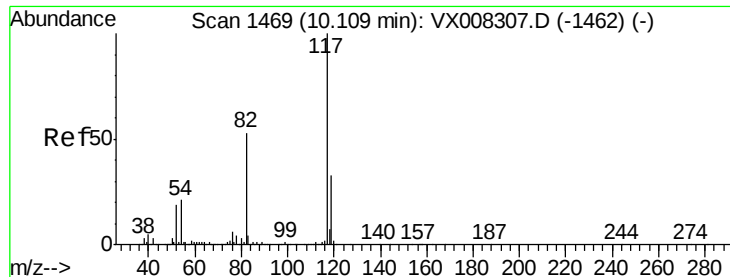
Tgt Ion: 63 Resp: 371293
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.7 38.5
 106 30.0 23.7 35.5



#56
 Bromoform
 Concen: 49.561 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion: 173 Resp: 86890
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.5 57.7
 254 10.7 7.4 11.2

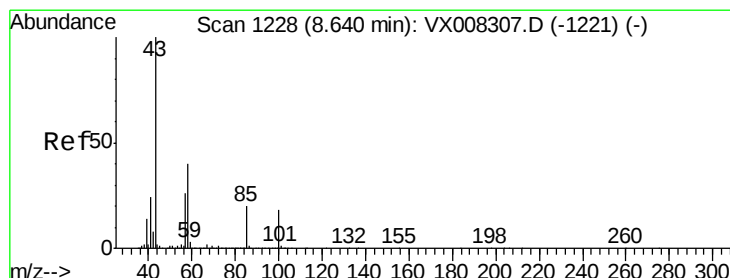
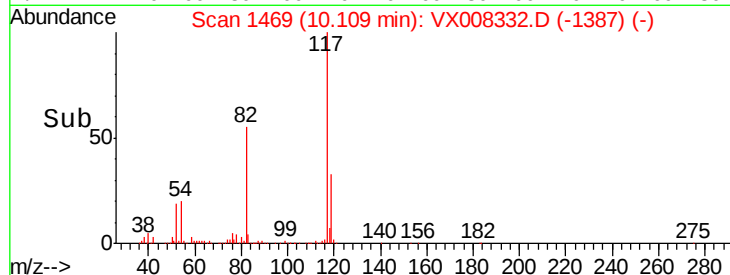
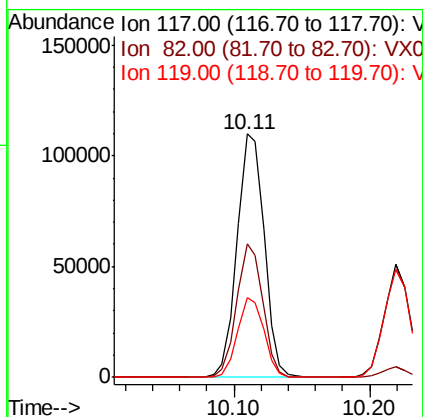
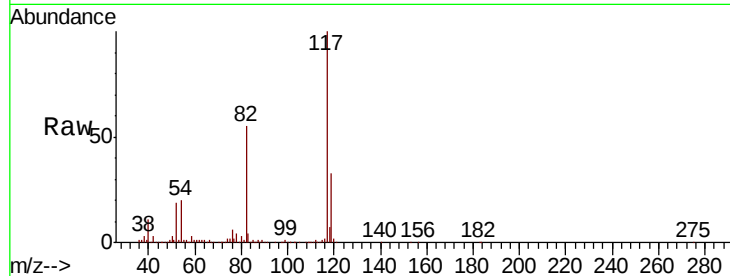




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

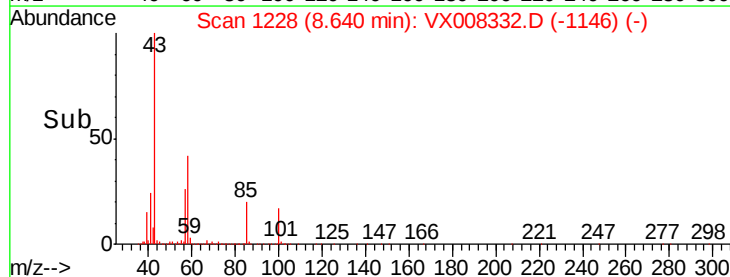
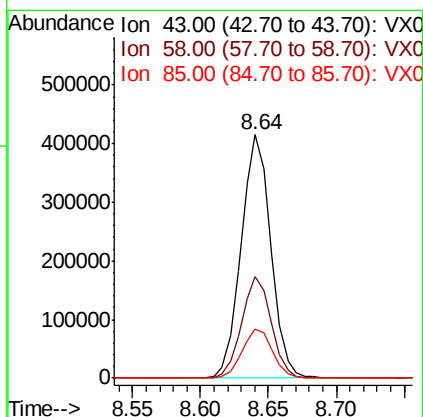
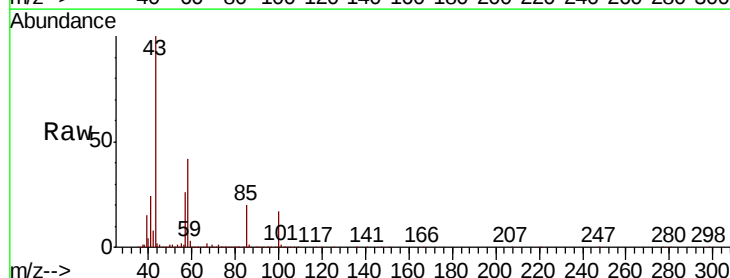
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

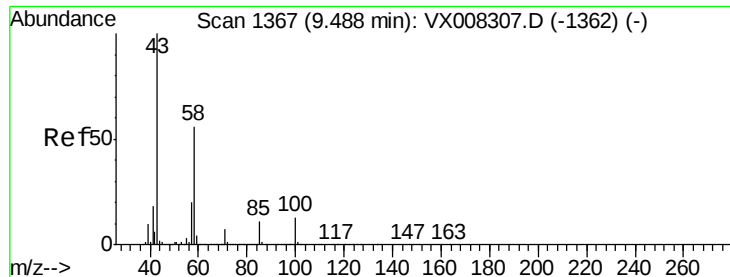
Tgt Ion: 117 Resp: 153348
Ion Ratio Lower Upper
117 100
82 52.8 40.4 60.6
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 244.803 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 43 Resp: 632062
Ion Ratio Lower Upper
43 100
58 41.5 31.4 47.0
85 20.7 15.0 22.6

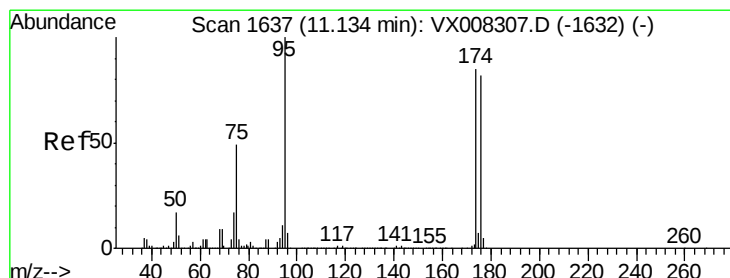
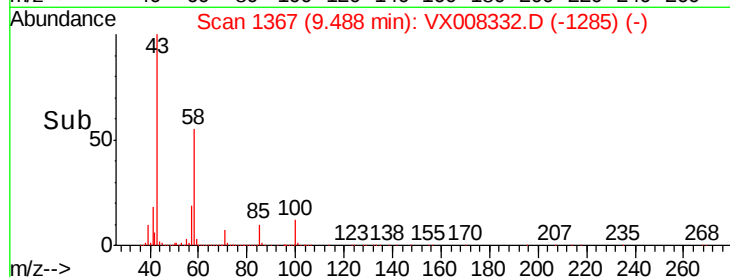
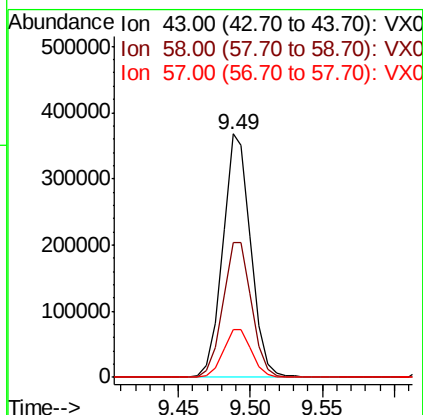
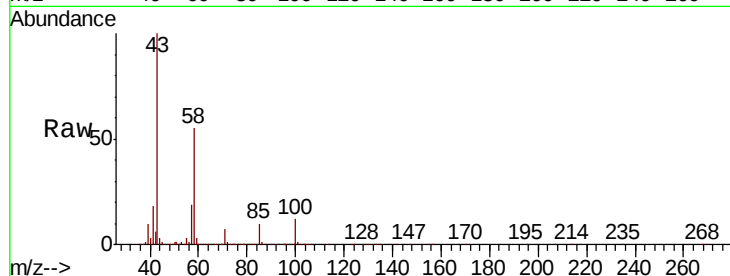




#59
2-Hexanone
Concen: 244.439 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

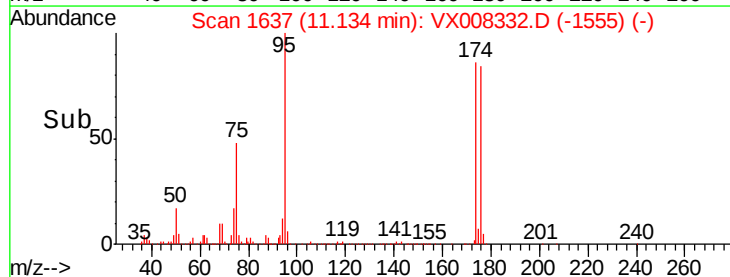
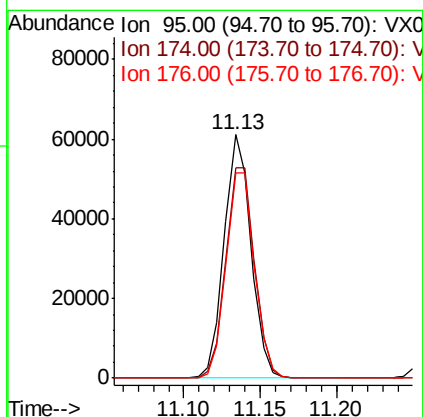
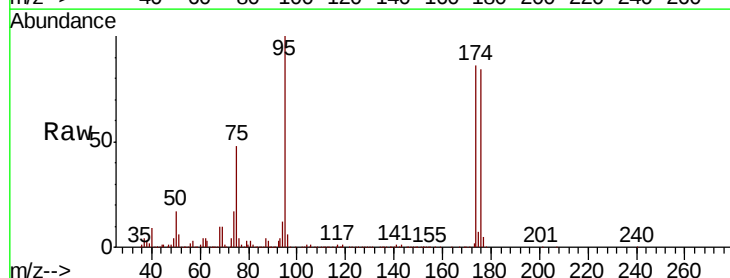
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

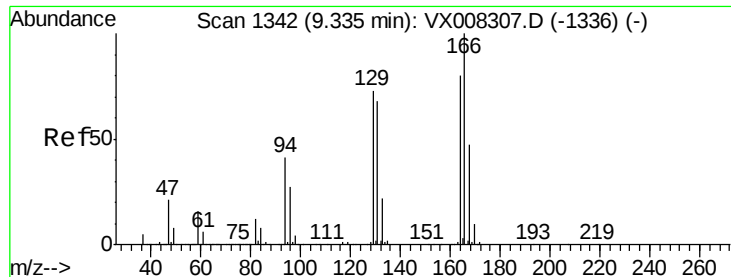
Tgt Ion: 43 Resp: 499242
Ion Ratio Lower Upper
43 100
58 57.3 43.9 65.9
57 20.1 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.843 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 95 Resp: 74491
Ion Ratio Lower Upper
95 100
174 92.3 74.9 112.3
176 89.5 70.7 106.1





#61

Tetrachloroethene

Concen: 48.435 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 99982

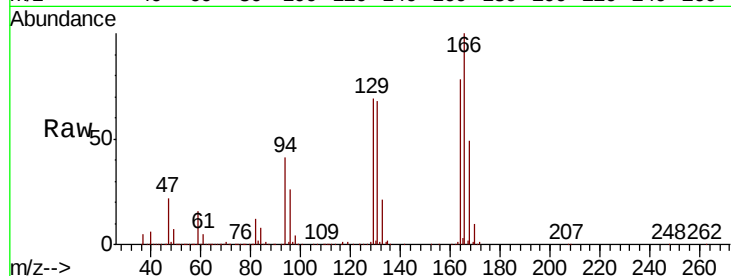
Ion Ratio Lower Upper

164 100

166 128.4 103.9 155.9

129 88.3 74.7 112.1

131 87.7 71.7 107.5

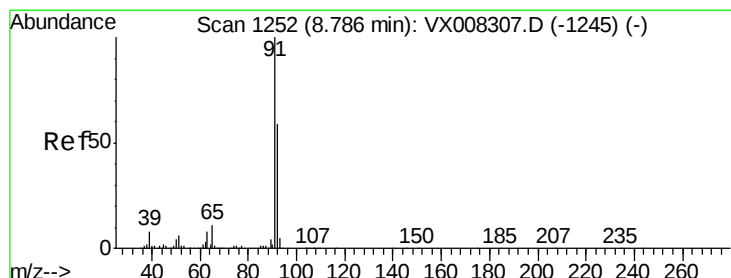
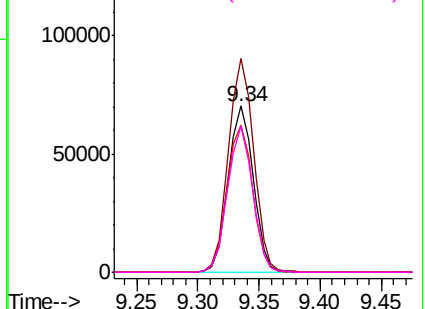
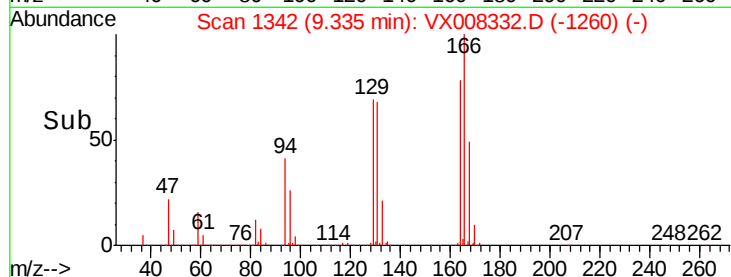


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 48.652 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008332.D

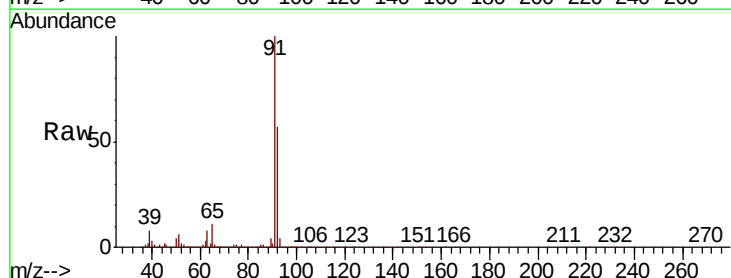
Acq: 22 Mar 2019 11:48

Tgt Ion: 91 Resp: 396014

Ion Ratio Lower Upper

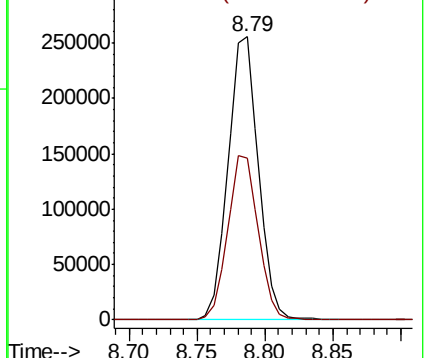
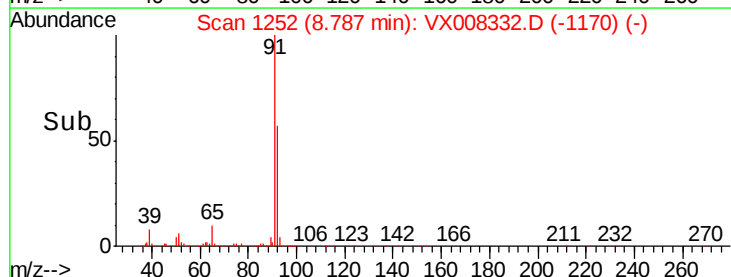
91 100

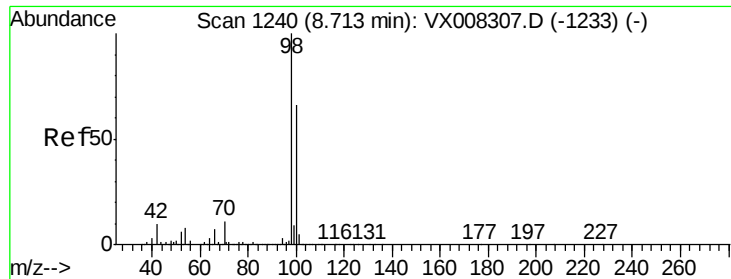
92 58.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.733 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

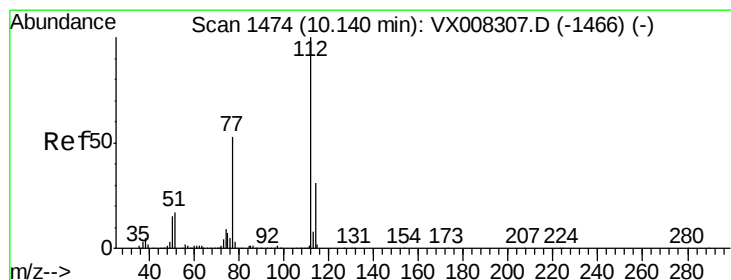
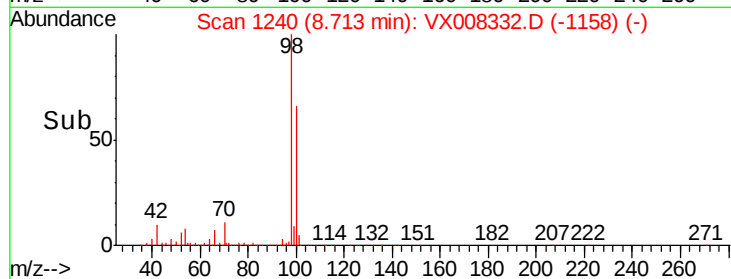
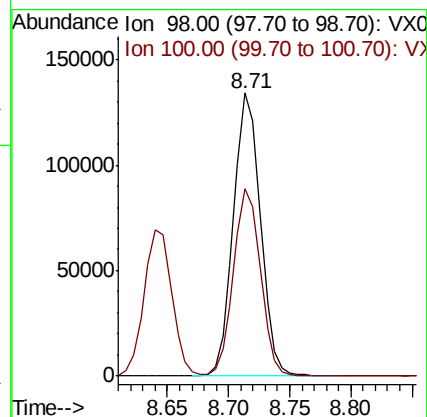
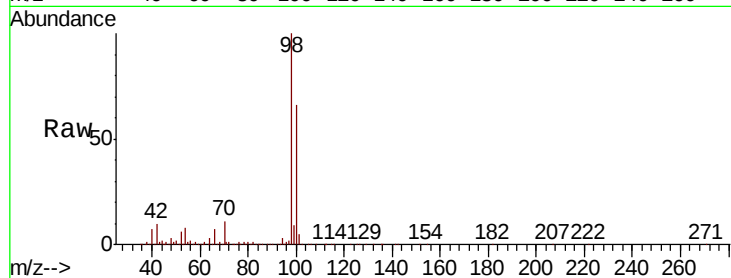
VSTDIC050

Tgt Ion: 98 Resp: 205429

Ion Ratio Lower Upper

98 100

100 66.5 50.9 76.3



#64

Chlorobenzene

Concen: 47.863 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008332.D

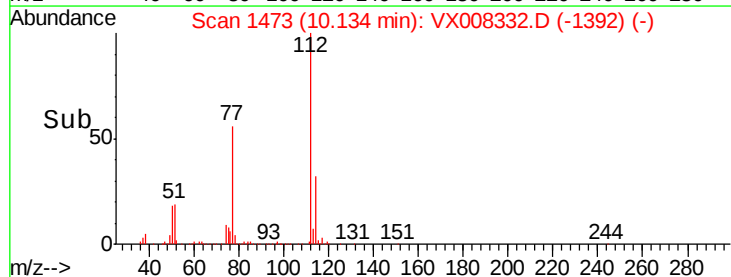
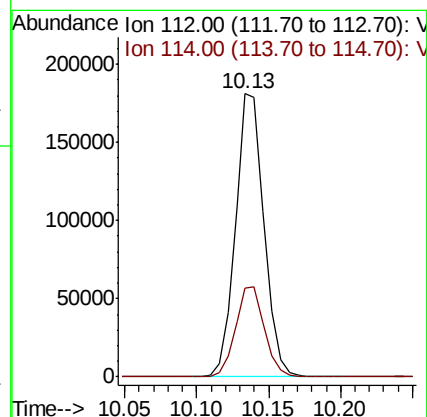
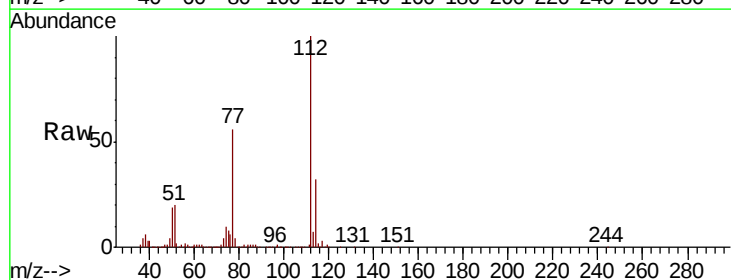
Acq: 22 Mar 2019 11:48

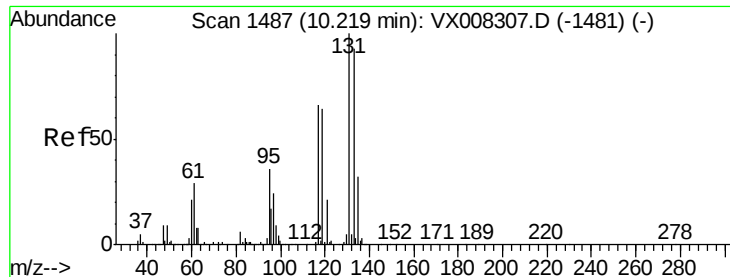
Tgt Ion: 112 Resp: 251166

Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 49.933 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

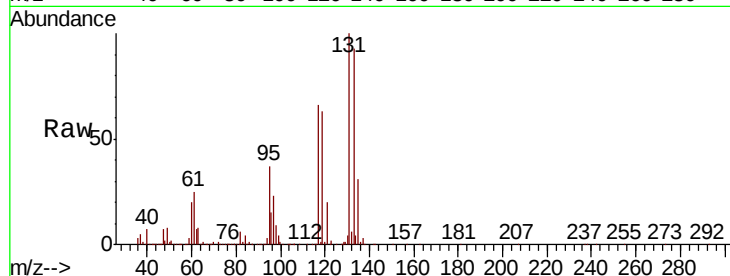
Tgt Ion:131 Resp: 100075

Ion Ratio Lower Upper

131 100

133 92.8 0.0 191.6

119 64.4 0.0 127.4

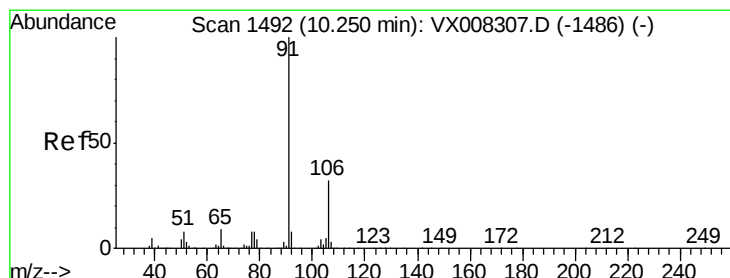
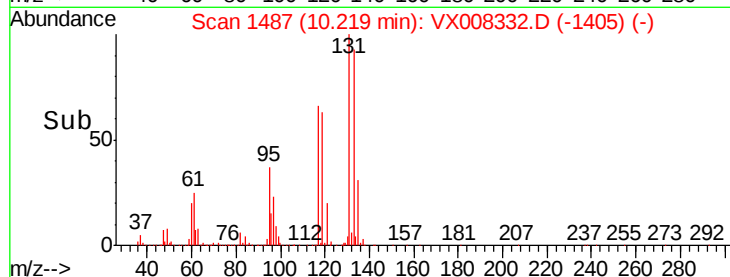
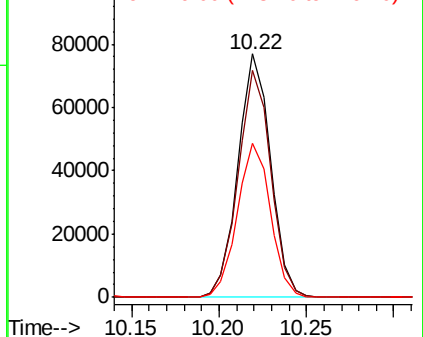


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 49.167 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008332.D

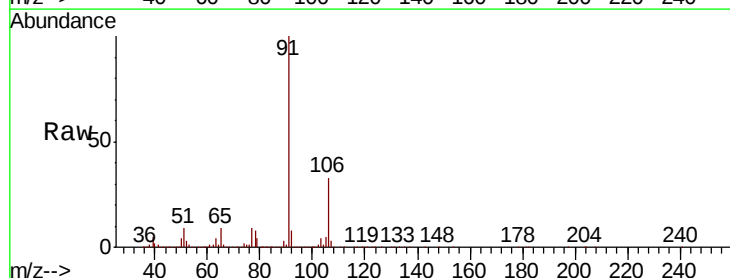
Acq: 22 Mar 2019 11:48

Tgt Ion: 91 Resp: 432816

Ion Ratio Lower Upper

91 100

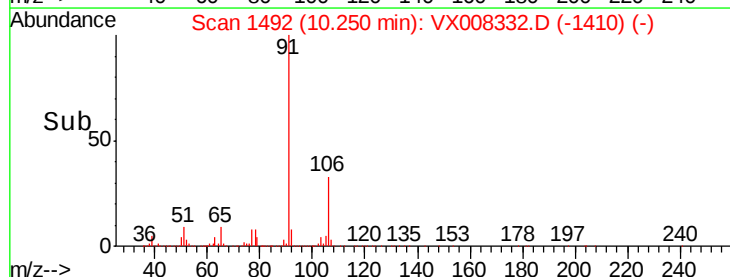
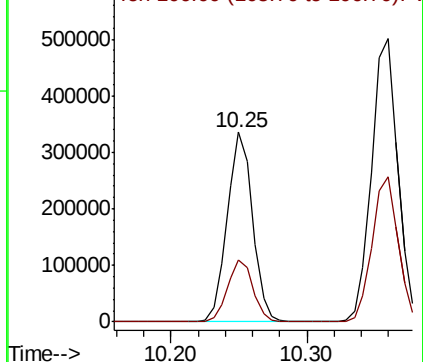
106 32.8 26.0 39.0

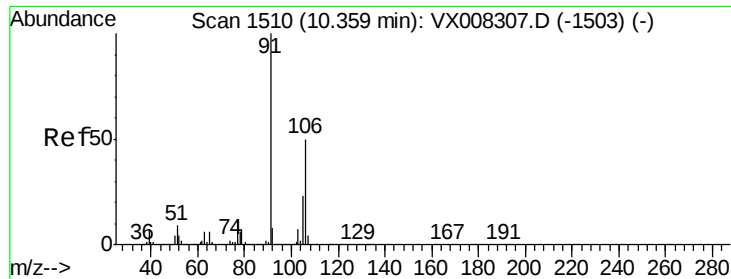


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

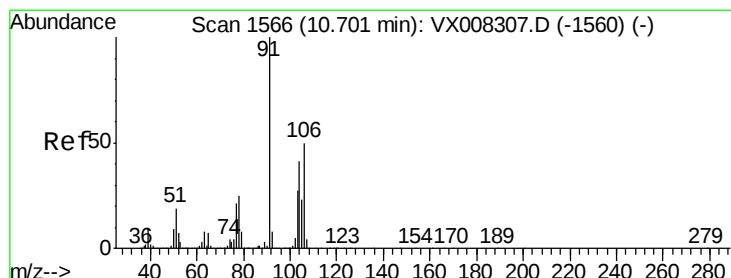
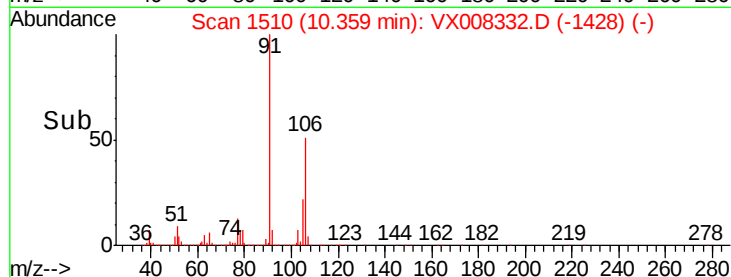
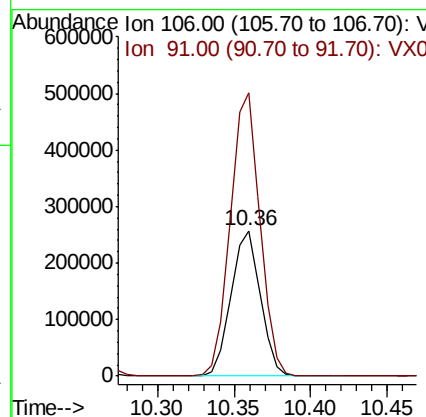
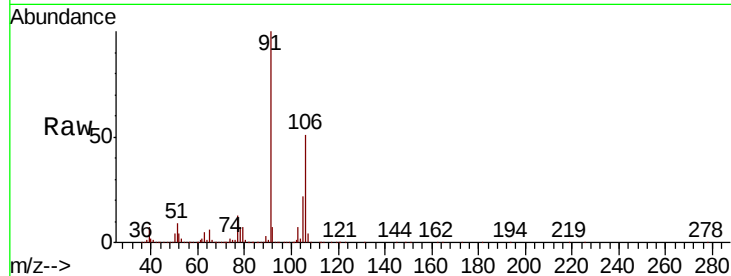




#67
m/p-Xylenes
Concen: 97.744 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

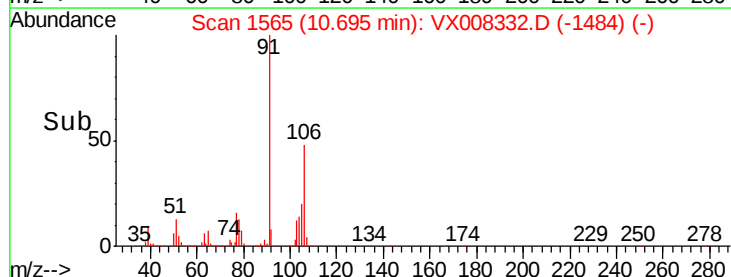
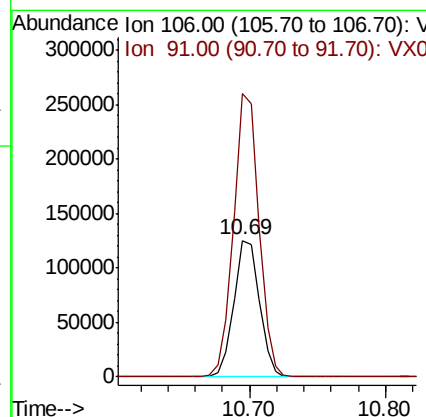
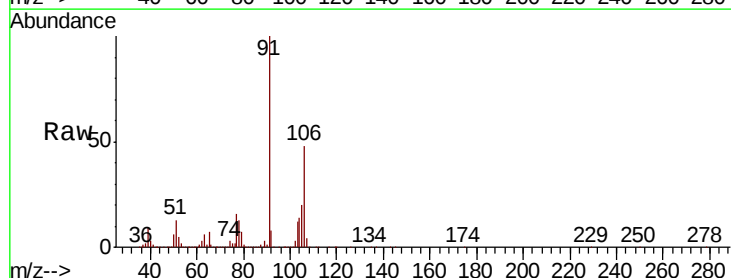
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

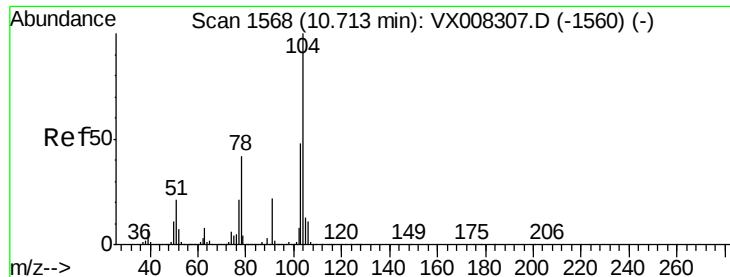
Tgt Ion:106 Resp: 341975
Ion Ratio Lower Upper
106 100
91 196.2 157.0 235.4



#68
o-Xylene
Concen: 48.907 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion:106 Resp: 164375
Ion Ratio Lower Upper
106 100
91 205.5 104.4 313.2





#69

Styrene

Concen: 49.579 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

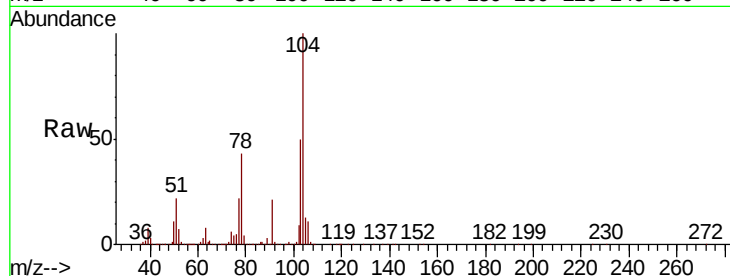
Tgt Ion:104 Resp: 281326

Ion Ratio Lower Upper

104 100

78 49.3 38.2 57.2

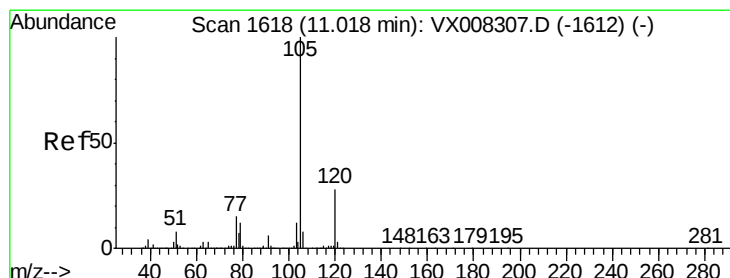
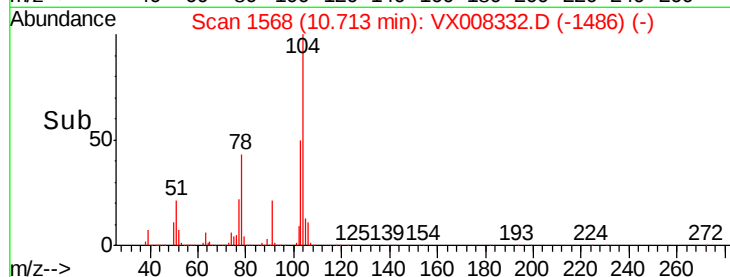
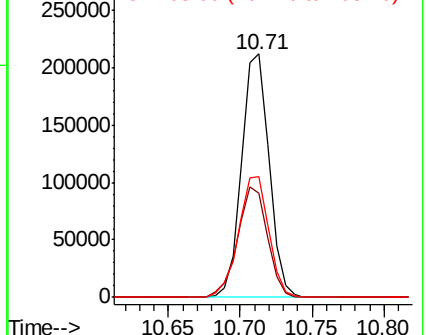
103 54.5 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 48.683 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008332.D

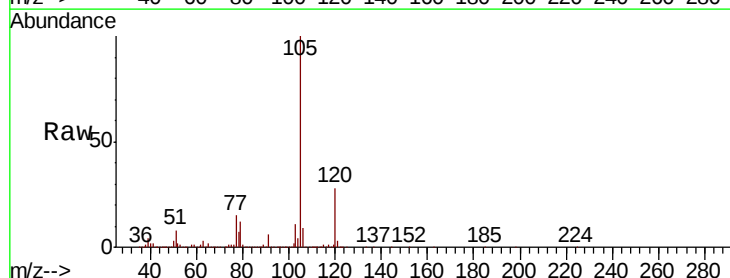
Acq: 22 Mar 2019 11:48

Tgt Ion:105 Resp: 430493

Ion Ratio Lower Upper

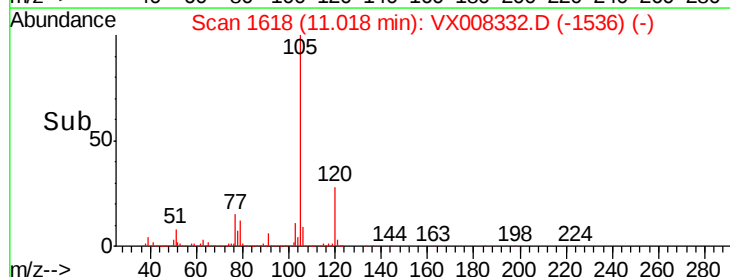
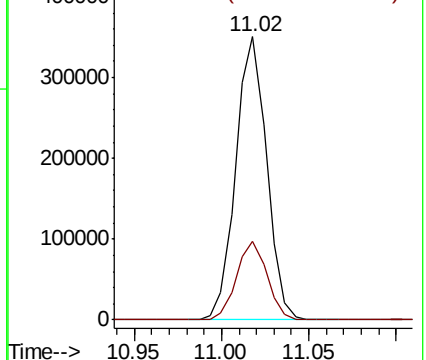
105 100

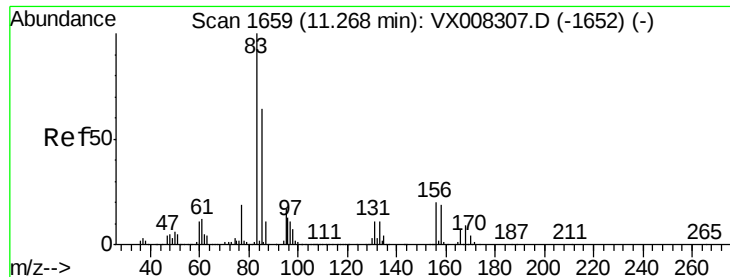
120 27.7 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 48.199 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

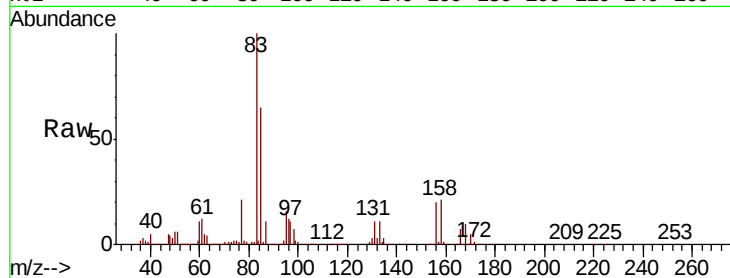
Tgt Ion: 83 Resp: 145337

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

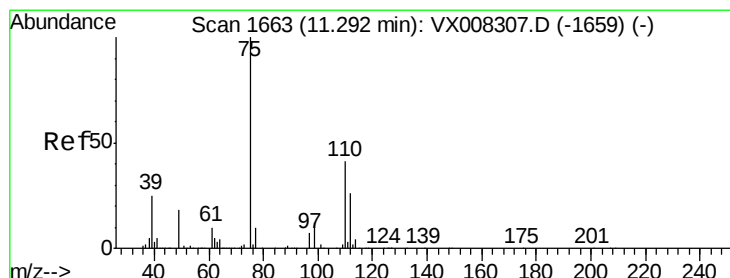
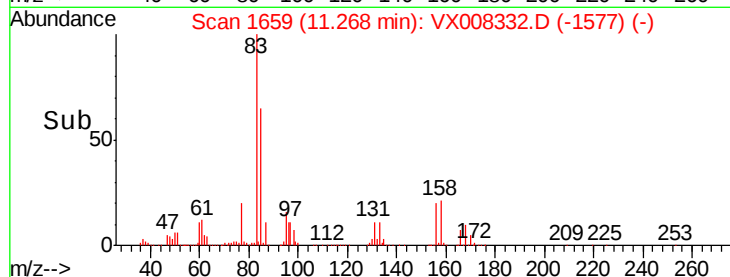
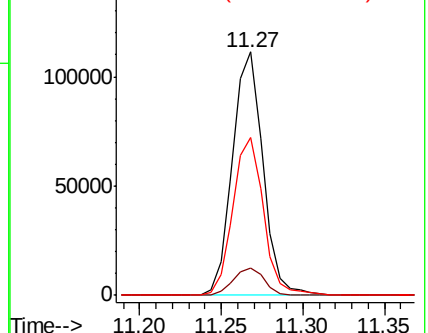
85 64.7 32.8 98.4



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



#72

1,2,3-Trichloropropane

Concen: 64.703 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008332.D

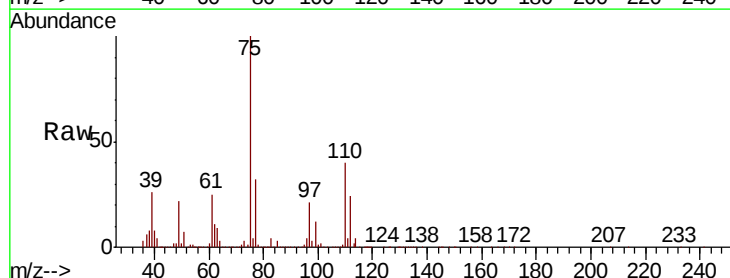
Acq: 22 Mar 2019 11:48

Tgt Ion: 75 Resp: 162848

Ion Ratio Lower Upper

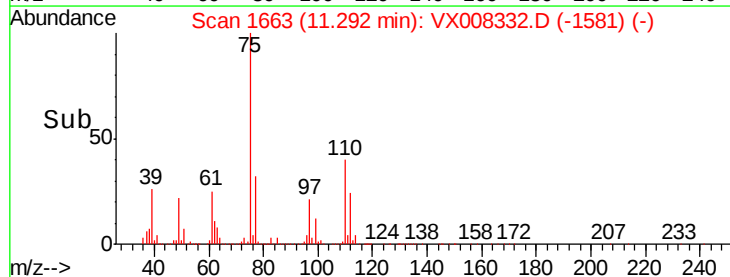
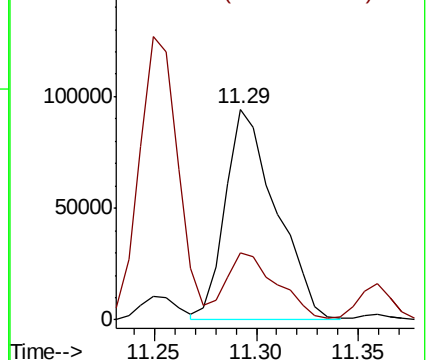
75 100

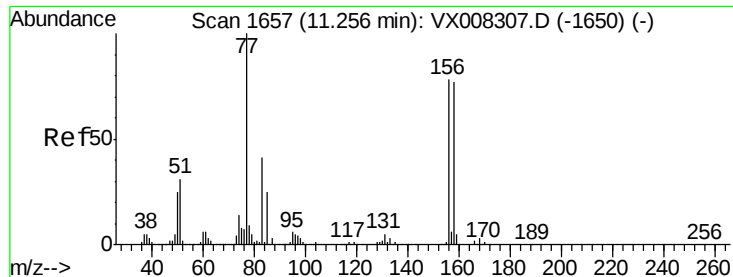
77 32.0 0.0 76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 48.328 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

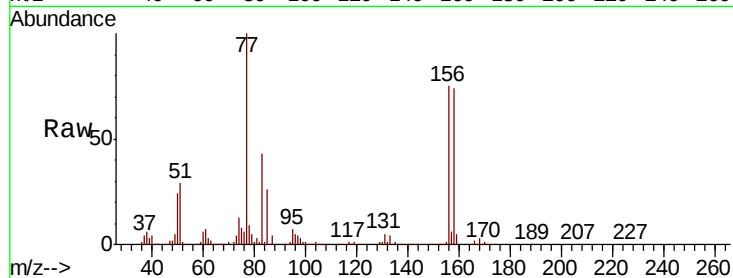
Tgt Ion:156 Resp: 118241

Ion Ratio Lower Upper

156 100

77 140.7 0.0 271.4

158 98.2 0.0 194.0



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

150000

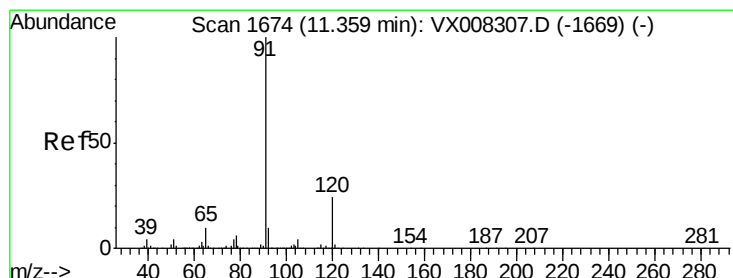
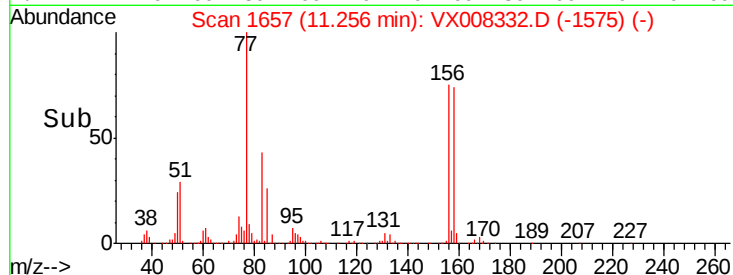
100000

50000

0

11.20 11.25 11.30 11.35

Time-->



#74

n-propylbenzene

Concen: 48.451 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008332.D

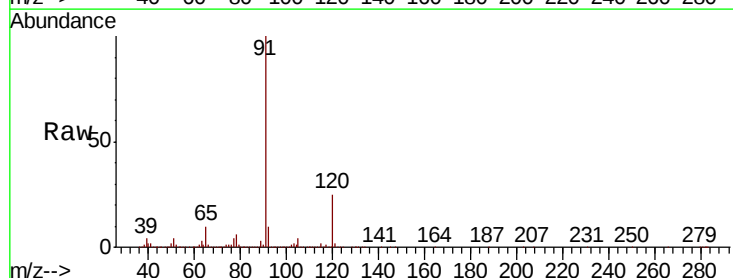
Acq: 22 Mar 2019 11:48

Tgt Ion: 91 Resp: 477568

Ion Ratio Lower Upper

91 100

120 24.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

400000

300000

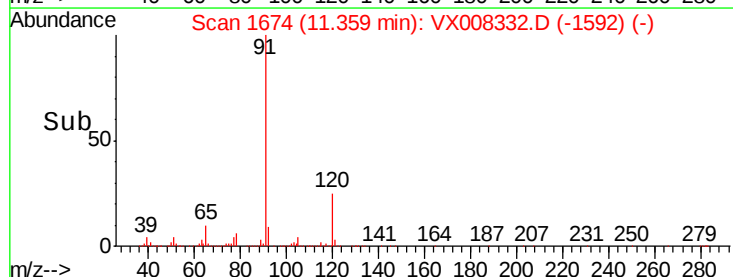
200000

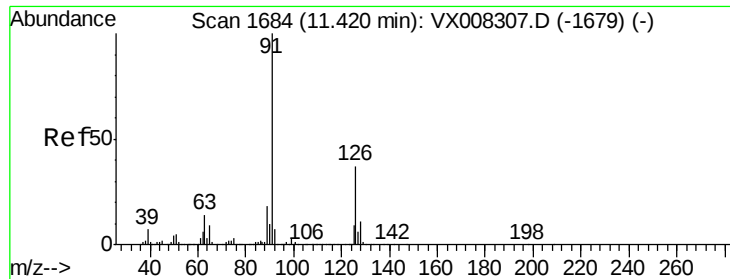
100000

0

11.30 11.35 11.40

Time-->





#75

2-Chlorotoluene

Concen: 48.338 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

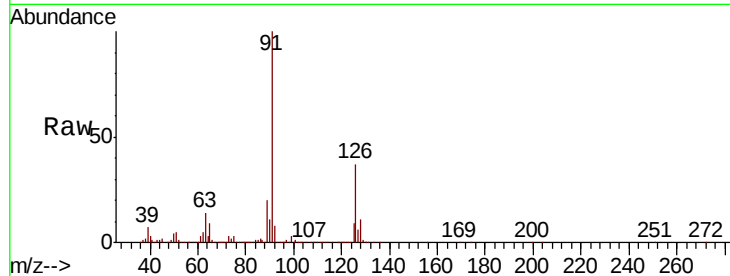
VSTDIC050

Tgt Ion: 91 Resp: 284533

Ion Ratio Lower Upper

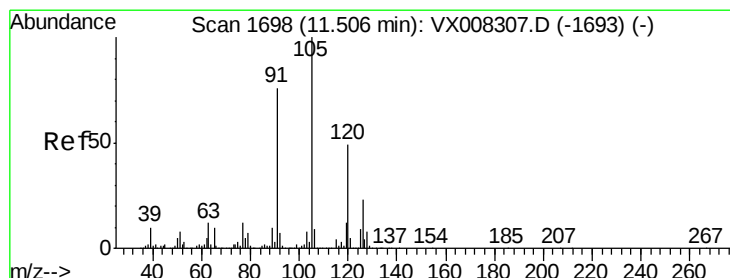
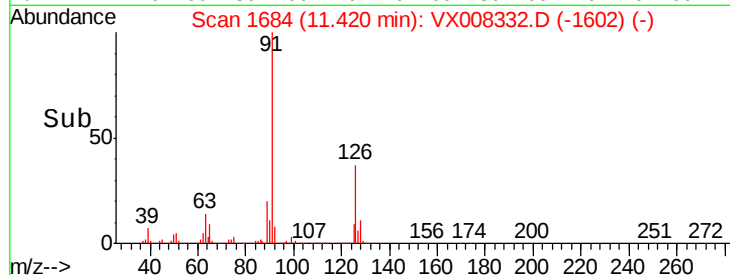
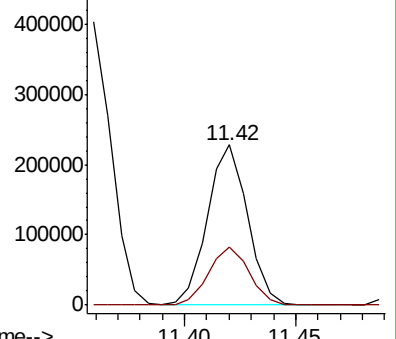
91 100

126 37.1 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 48.390 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008332.D

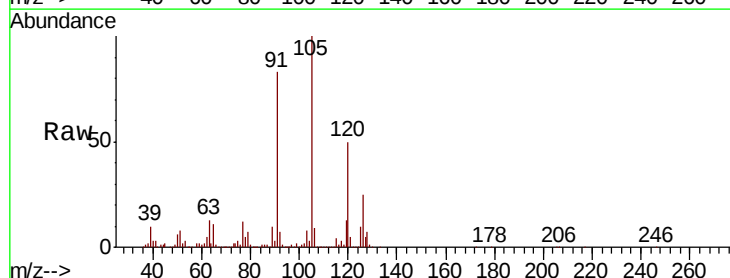
Acq: 22 Mar 2019 11:48

Tgt Ion: 105 Resp: 365554

Ion Ratio Lower Upper

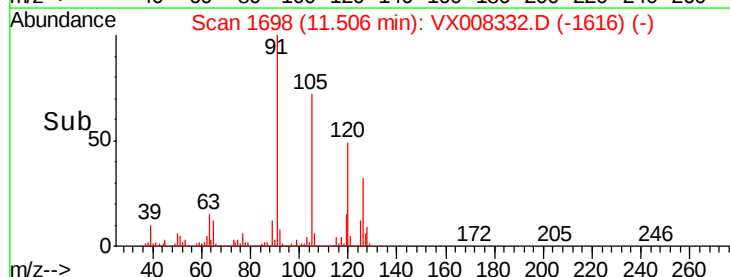
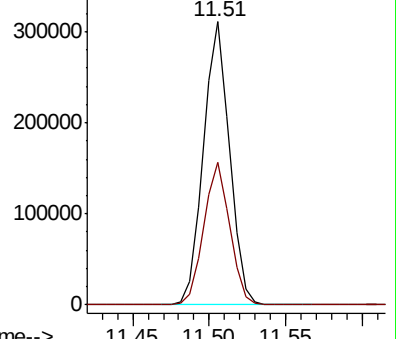
105 100

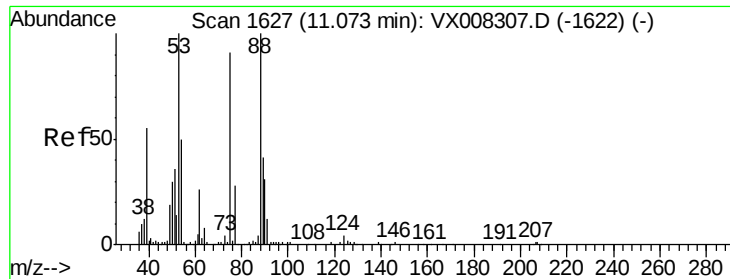
120 49.9 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

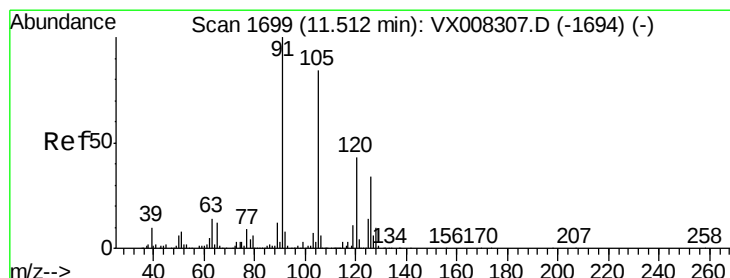
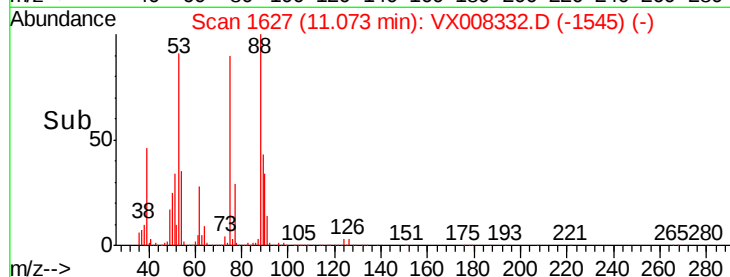
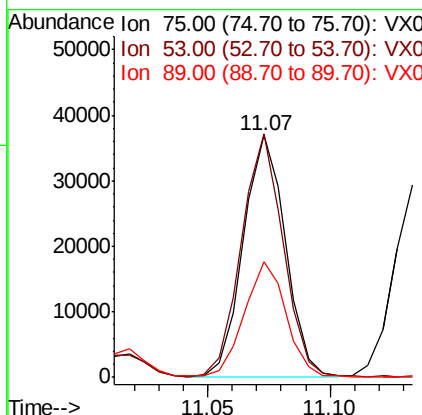
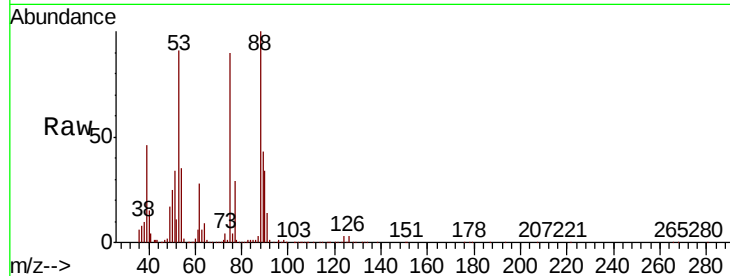




#77
t-1,4-Dichloro-2-butene
Concen: 51.203 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

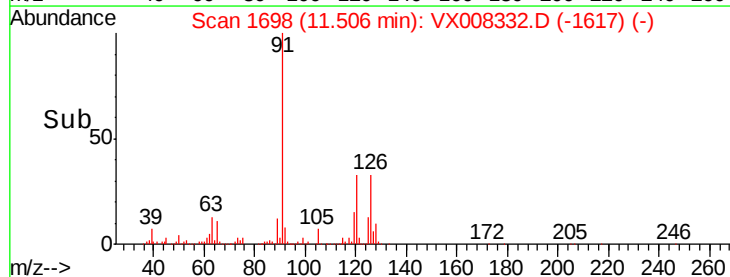
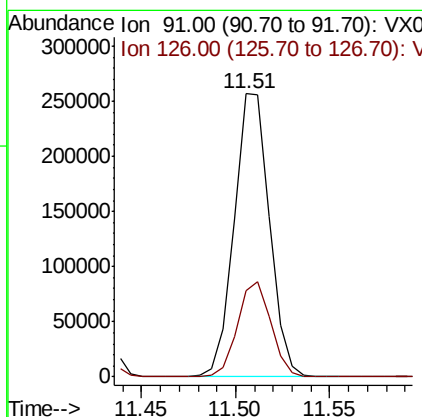
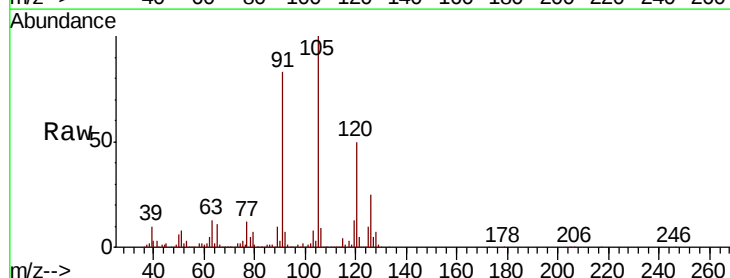
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

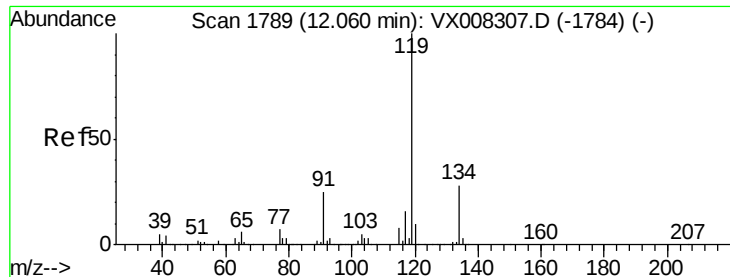
Tgt Ion: 75 Resp: 44060
Ion Ratio Lower Upper
75 100
53 100.6 55.5 166.7
89 47.2 24.4 73.2



#78
4-Chlorotoluene
Concen: 47.997 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 91 Resp: 332512
Ion Ratio Lower Upper
91 100
126 32.0 0.0 66.2

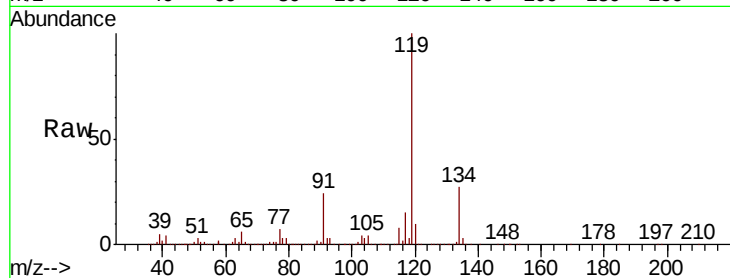




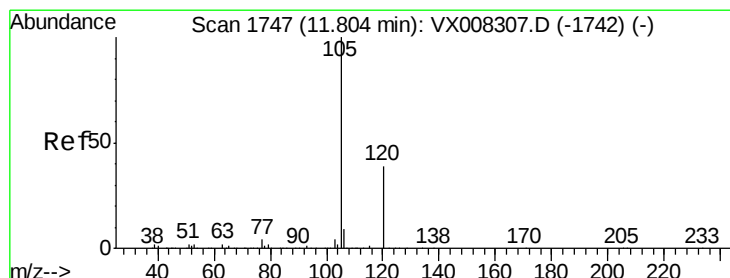
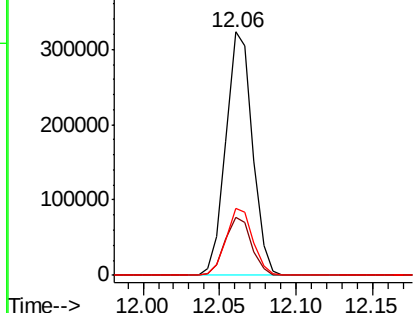
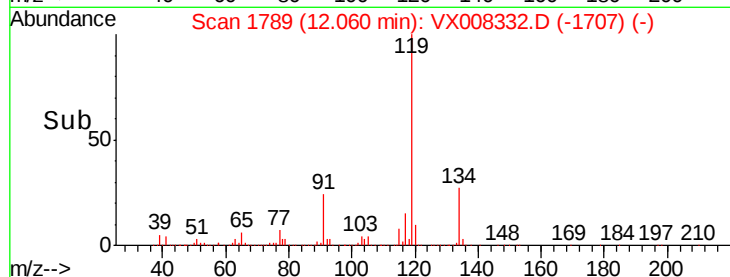
#79
 tert-butylbenzene
 Concen: 49.041 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:119 Resp: 389693
 Ion Ratio Lower Upper
 119 100
 91 23.7 0.0 45.0
 134 27.4 0.0 55.4

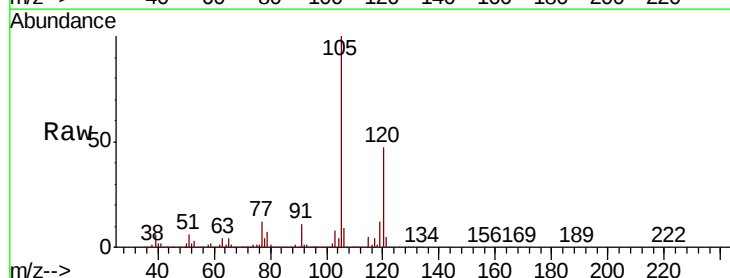


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

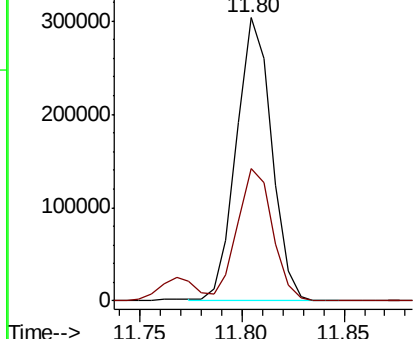
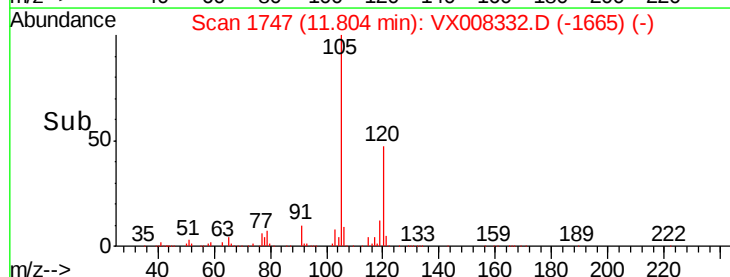


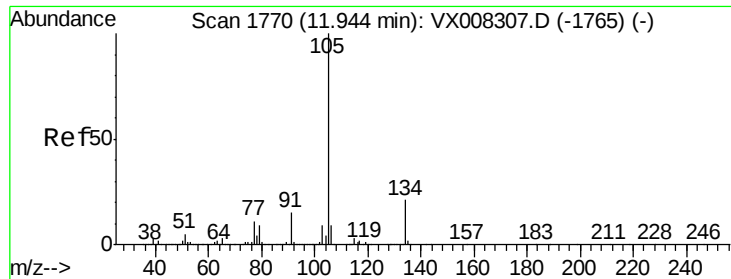
#80
 1,2,4-Trimethylbenzene
 Concen: 48.575 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion:105 Resp: 364633
 Ion Ratio Lower Upper
 105 100
 120 46.3 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 47.778 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

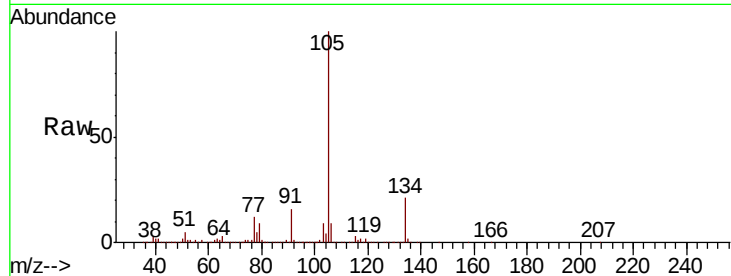
VSTDIC050

Tgt Ion:105 Resp: 411681

Ion Ratio Lower Upper

105 100

134 21.2 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

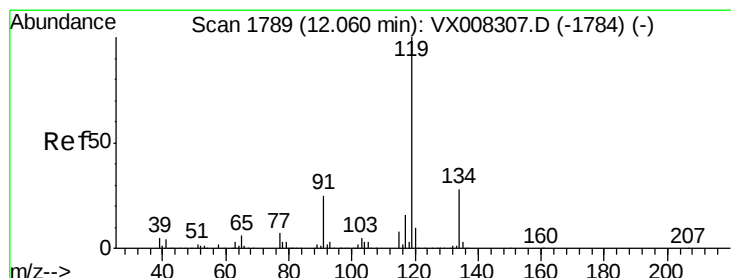
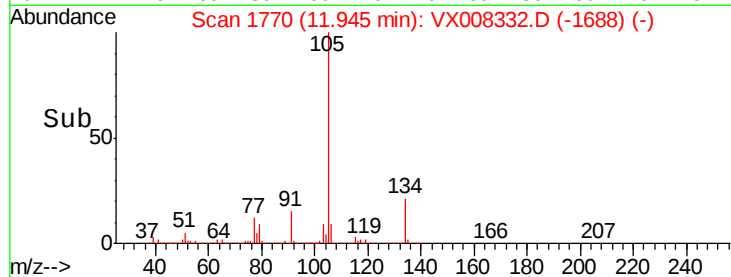
200000

100000

0

Time-->

11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 49.041 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

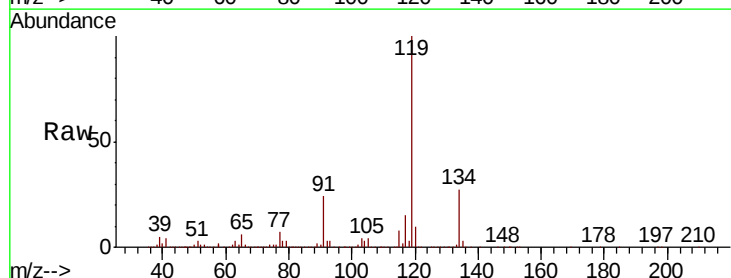
Tgt Ion:119 Resp: 389693

Ion Ratio Lower Upper

119 100

134 27.4 0.0 55.4

91 23.7 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

400000

300000

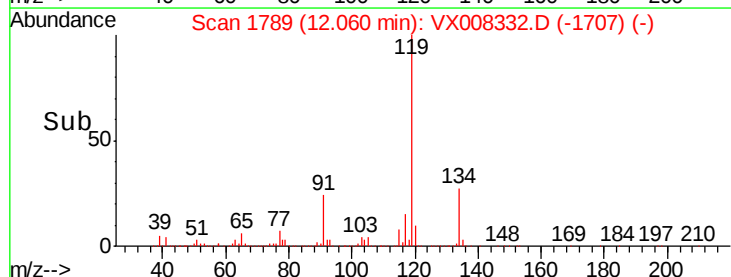
200000

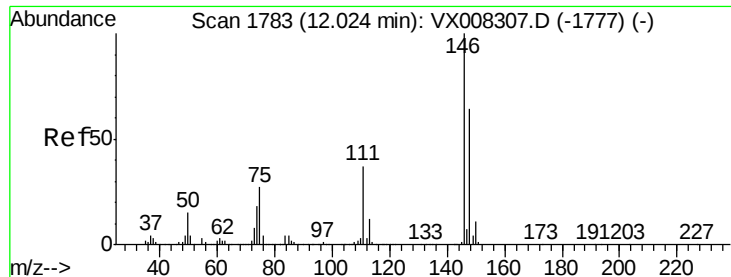
100000

0

Time-->

12.00 12.05 12.10 12.15

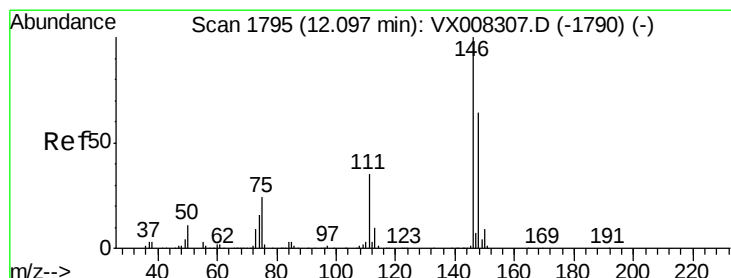
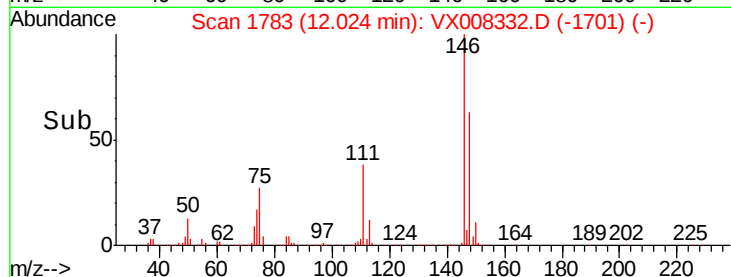
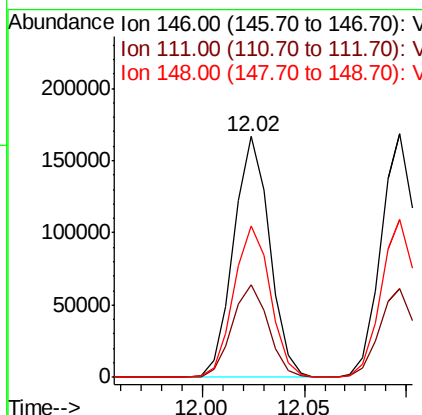
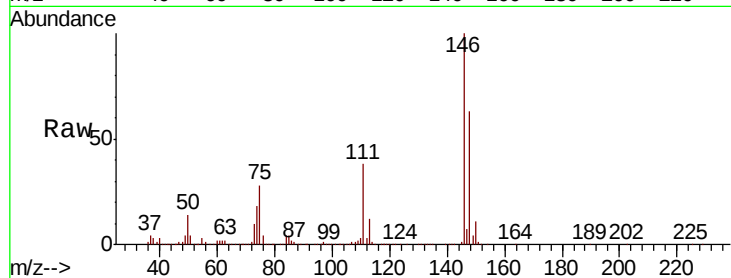




#83
 1,3-Dichlorobenzene
 Concen: 47.835 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

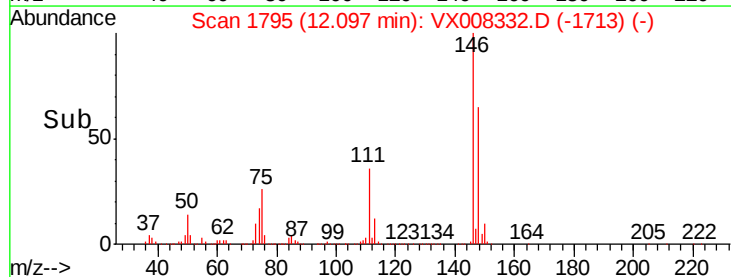
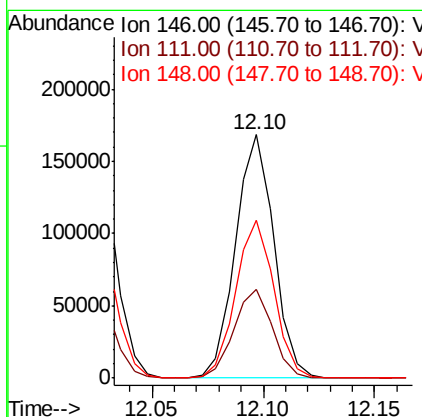
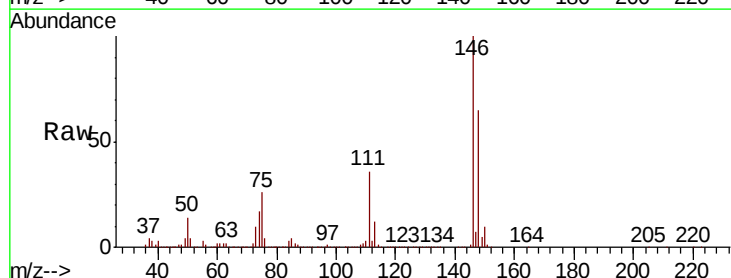
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

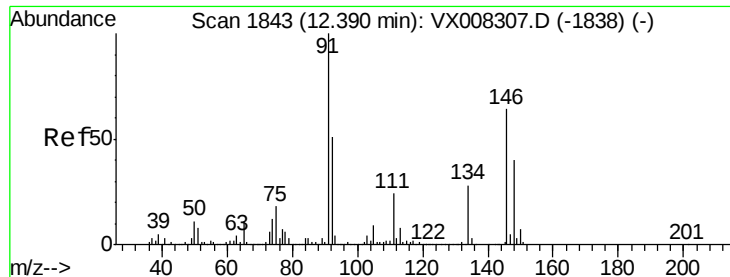
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.3
148	64.2	30.6	91.8



#84
 1,4-Dichlorobenzene
 Concen: 47.738 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.6	52.8
148	64.8	31.4	94.2

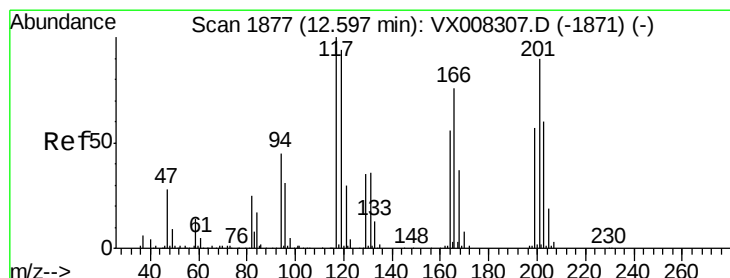
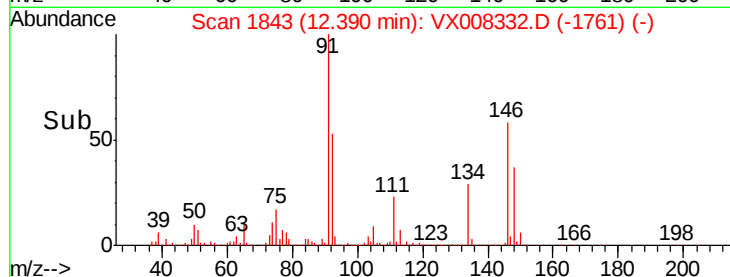
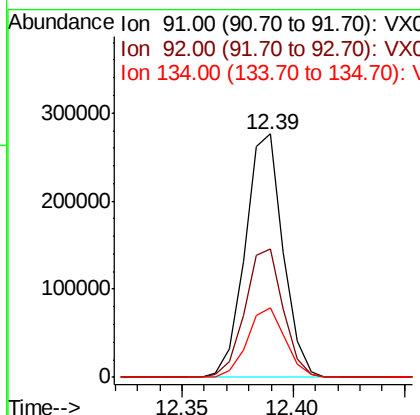
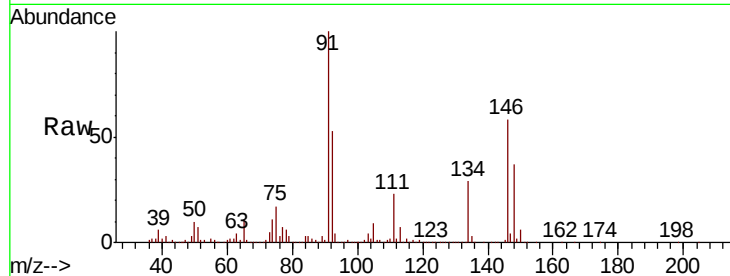




#85
n-Butylbenzene
Concen: 48.004 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

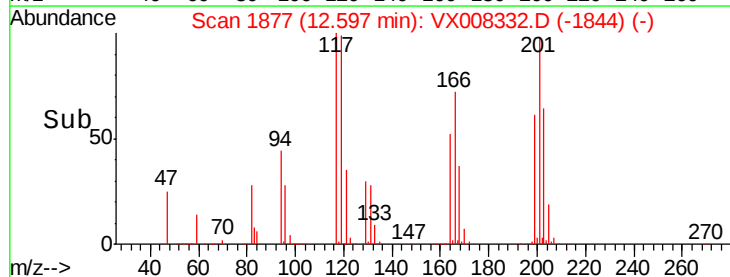
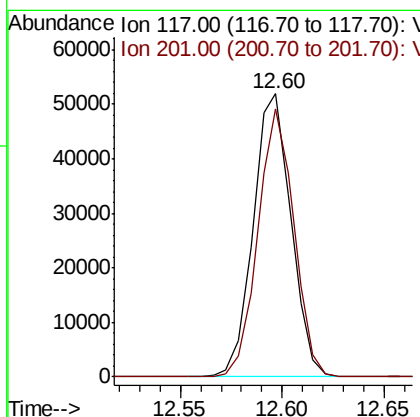
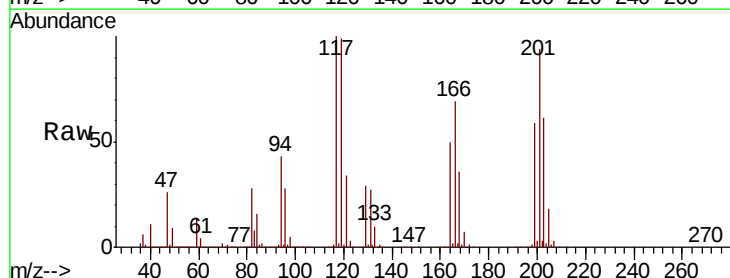
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

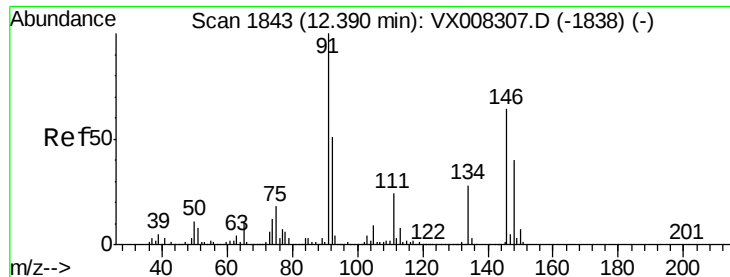
Tgt Ion: 91 Resp: 328116
Ion Ratio Lower Upper
91 100
92 53.3 0.0 105.2
134 28.5 0.0 56.4



#86
Hexachloroethane
Concen: 48.988 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 117 Resp: 67090
Ion Ratio Lower Upper
117 100
201 90.2 41.1 123.3





#87

1,2-Dichlorobenzene

Concen: 47.795 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

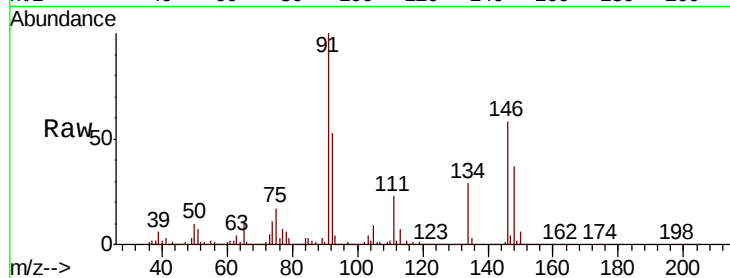
Tgt Ion:146 Resp: 200162

Ion Ratio Lower Upper

146 100

111 39.6 19.3 57.8

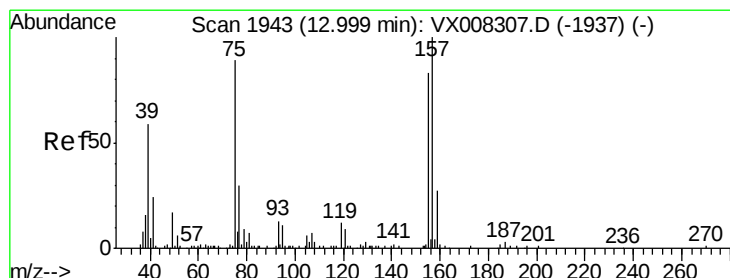
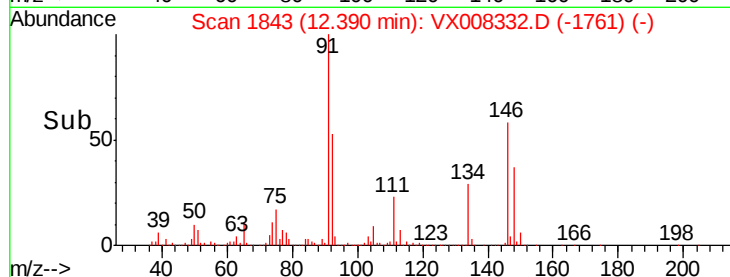
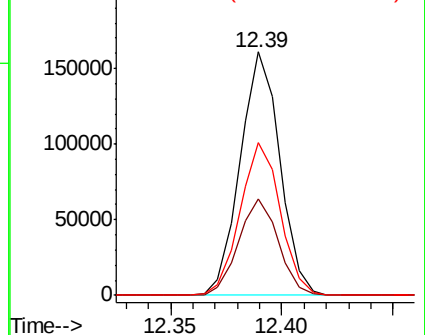
148 63.5 32.1 96.3



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: 47.438 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

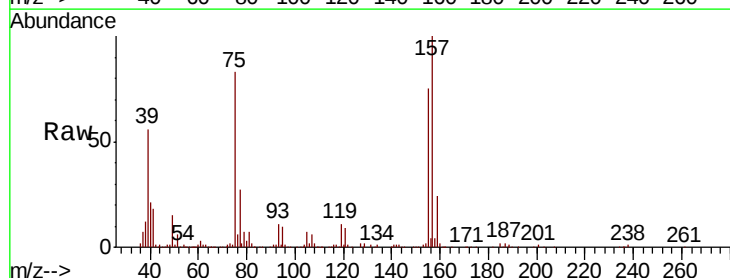
Tgt Ion: 75 Resp: 32745

Ion Ratio Lower Upper

75 100

155 96.4 81.0 121.6

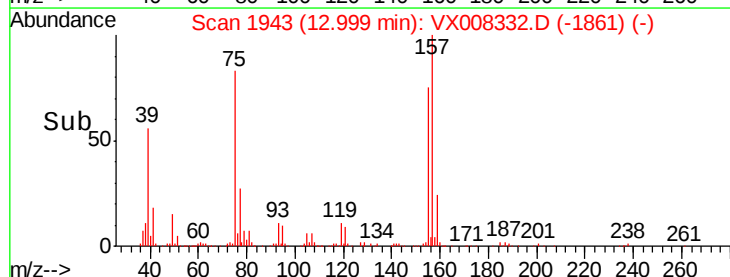
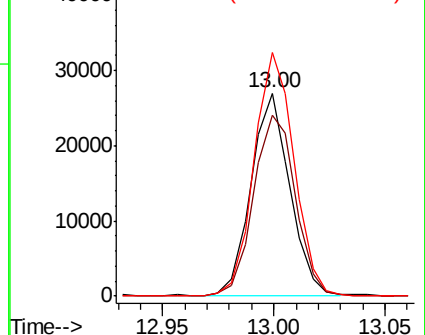
157 123.9 103.2 154.8

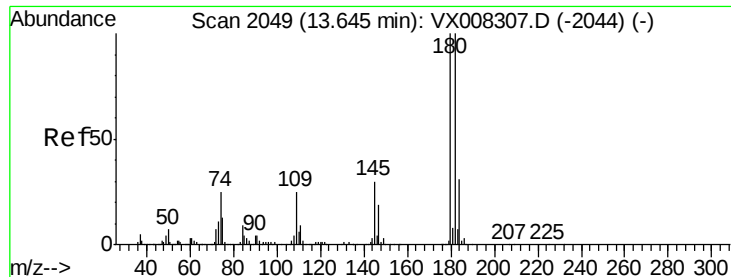


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

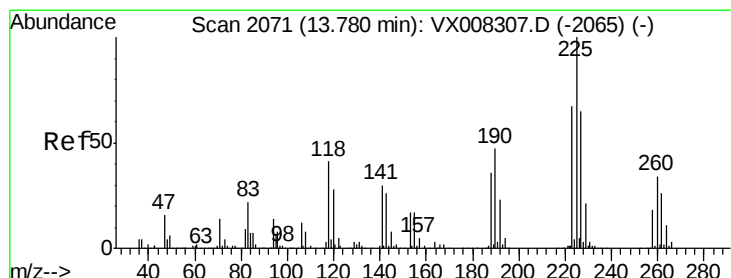
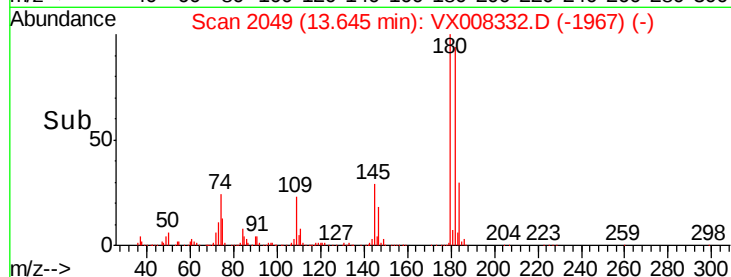
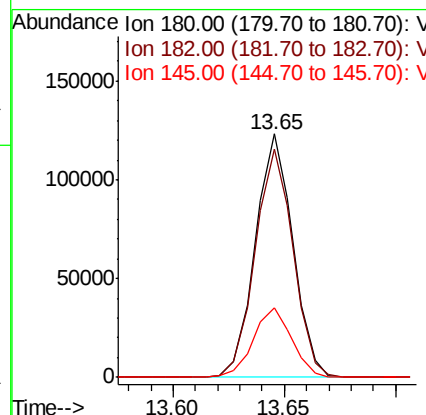
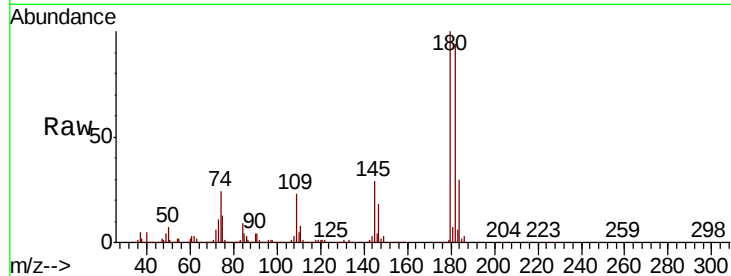




#89
 1,2,4-Trichlorobenzene
 Concen: 48.964 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

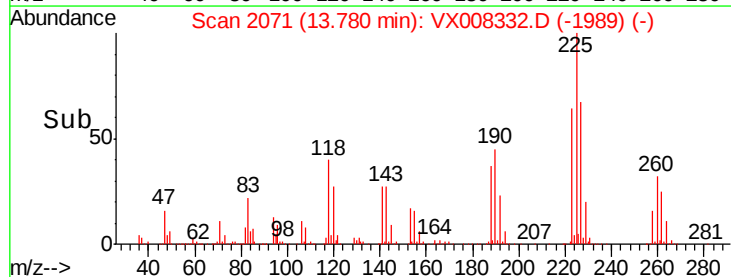
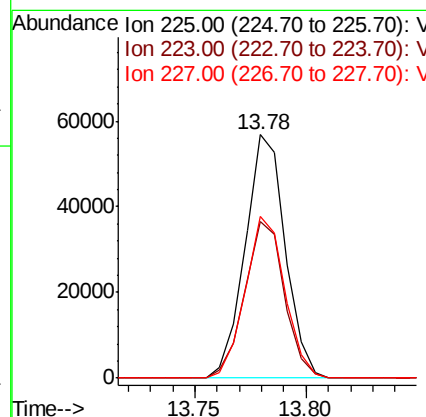
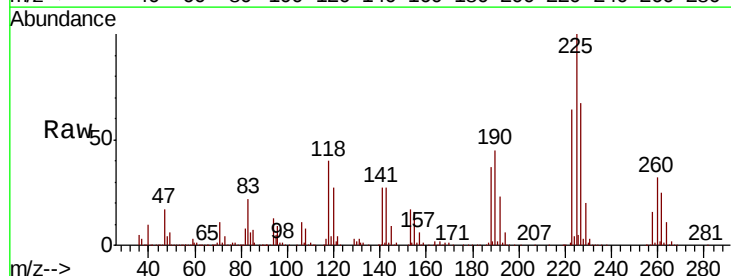
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

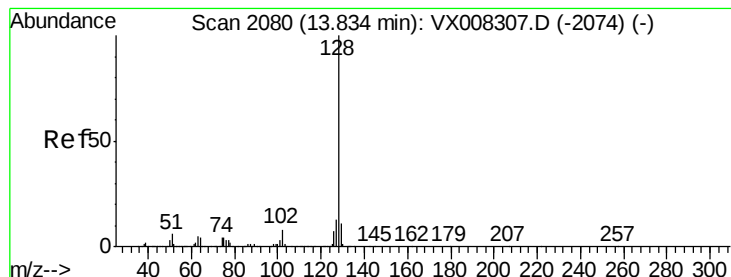
Tgt Ion:180 Resp: 145128
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 145 29.0 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 47.953 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion:225 Resp: 71550
 Ion Ratio Lower Upper
 225 100
 223 63.9 0.0 123.8
 227 65.5 0.0 124.4





#91

Naphthalene

Concen: 49.197 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

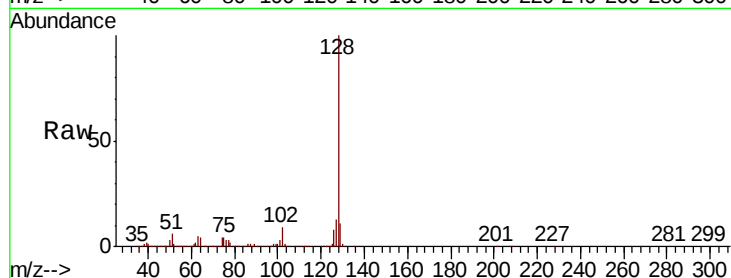
Tgt Ion:128 Resp: 437956

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

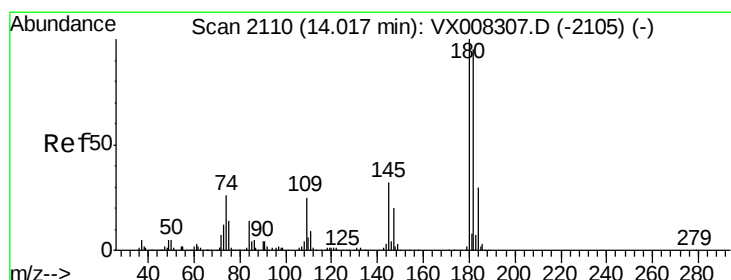
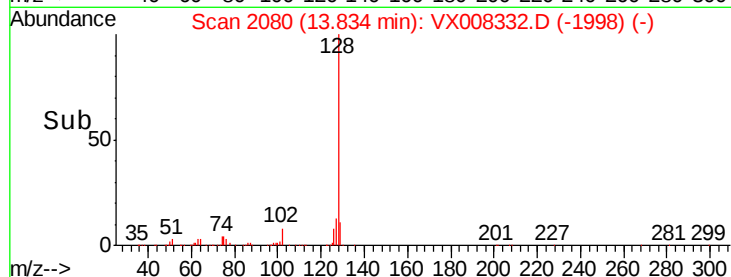
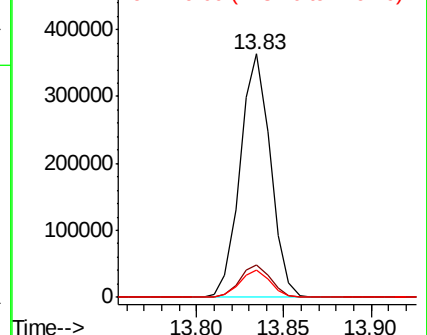
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 47.965 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

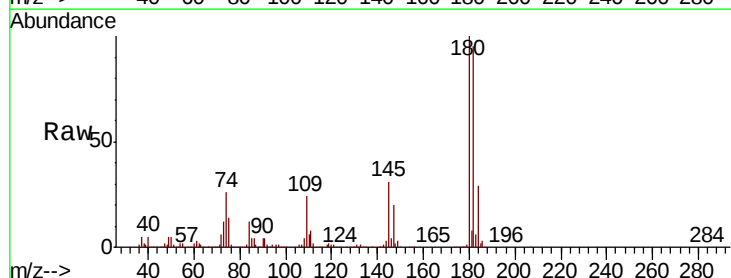
Tgt Ion:180 Resp: 143725

Ion Ratio Lower Upper

180 100

182 95.8 0.0 193.0

145 31.0 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

