

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010979.D
 Acq On : 18 Jul 2019 23:31
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 19 03:20:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	40226	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	224393	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	208531	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	82818	25.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.97%
60) 4-Bromofluorobenzene	11.13	95	105663	30.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.93%
63) Toluene-d8	8.71	98	273665	28.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	286164	126.108	ug/l 97
3) Chloromethane	1.32	50	239493	85.618	ug/l 99
4) Vinyl Chloride	1.41	62	253223	90.511	ug/l 97
5) Bromomethane	1.64	94	130155	72.092	ug/l 98
6) Chloroethane	1.71	64	146854	81.866	ug/l 96
7) Trichlorofluoromethane	1.92	101	418169	114.022	ug/l 95
8) Diethyl Ether	2.19	74	134831	84.728	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	230114	104.200	ug/l 99
10) 1,1-Dichloroethene	2.37	96	227011	102.262	ug/l 96
11) Methyl Iodide	2.51	142	347050	138.515	ug/l 96
12) Methyl Acetate	2.78	43	330324	82.695	ug/l 98
13) Acrolein	2.29	56	194431	358.468	ug/l 100
14) Acrylonitrile	3.14	53	639006	376.099	ug/l 99
15) Acetone	2.45	58	174137	360.445	ug/l 97
16) Carbon Disulfide	2.57	76	622758	105.468	ug/l 99
17) Allyl chloride	2.73	41	343743	70.313	ug/l 99
18) Methylene Chloride	2.85	84	252720	95.634	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	244260	103.179	ug/l 99
20) Diisopropyl ether	3.85	45	709193	72.960	ug/l 98
21) 1,1-Dichloroethane	3.70	63	411017	84.953	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	280255	99.595	ug/l 98
23) tert-Butyl Alcohol	3.06	59	300404	403.634	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	750087	89.522	ug/l 99
25) Chloroform	5.21	83	446233	98.285	ug/l 99
26) Cyclohexane	5.58	56	365604	81.543	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	326977	100.156	ug/l 99
30) 2-Butanone	4.67	43	888992	369.414	ug/l 100
31) 2,2-Dichloropropane	4.58	77	294718	85.625	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	409022	113.248	ug/l 98
33) Carbon Tetrachloride	5.79	117	365224	120.995	ug/l 99
34) Benzene	6.14	78	971712	97.117	ug/l 98
35) Methacrylonitrile	5.04	41	188629	75.436	ug/l 98
36) 1,2-Dichloroethane	6.19	62	352868	97.875	ug/l # 88
37) Trichloroethene	7.21	130	286084	114.095	ug/l 97
38) Methylcyclohexane	7.46	83	408813	100.815	ug/l 100
39) 1,2-Dichloropropane	7.51	63	244908	87.851	ug/l 98
40) Dibromomethane	7.66	93	181468	109.531	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	348820	106.006	ug/l	100
42) Vinyl Acetate	3.82	43	2976781	376.617	ug/l	100
43) Ethyl Acetate	4.84	43	340662	78.371	ug/l	100
44) Isopropyl Acetate	6.45	43	566780	79.565	ug/l	100
45) 1,4-Dioxane	7.74	88	139348	1885.555	ug/l	97
46) Methyl methacrylate	7.77	41	281965	79.905	ug/l	99
47) n-amyl Acetate	10.90	43	522219	81.488	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	382092	101.237	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	405943	97.731	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	269249	107.048	ug/l	97
51) Ethyl methacrylate	9.18	69	426550	95.077	ug/l	98
52) 1,3-Dichloropropane	9.37	76	426723	97.341	ug/l	100
53) Dibromochloromethane	9.58	129	313973	124.010	ug/l	100
54) 1,2-Dibromoethane	9.67	107	297399	114.089	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	858673	374.477	ug/l	99
56) Bromoform	10.85	173	242346	125.726	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	1810791	376.385	ug/l	99
59) 2-Hexanone	9.49	43	1376090	366.197	ug/l	99
61) Tetrachloroethene	9.34	164	270584	112.601	ug/l	96
62) Toluene	8.78	91	1122520	100.922	ug/l	99
64) Chlorobenzene	10.13	112	727675	107.181	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	281222	113.503	ug/l	99
66) Ethyl Benzene	10.25	91	1280837	103.170	ug/l	98
67) m/p-Xylenes	10.36	106	982794	213.858	ug/l	96
68) o-Xylene	10.69	106	477768	105.913	ug/l	98
69) Styrene	10.71	104	829957	106.042	ug/l	98
70) Isopropylbenzene	11.02	105	1300805	107.974	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	410162	94.850	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	470329	127.792	ug/l	84
73) Bromobenzene	11.26	156	346593	114.173	ug/l	98
74) n-propylbenzene	11.36	91	1483106	106.774	ug/l	100
75) 2-Chlorotoluene	11.42	91	863564	103.927	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	1100042	107.542	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	133040	92.740	ug/l	89
78) 4-Chlorotoluene	11.51	91	1006955	106.368	ug/l	98
79) tert-butylbenzene	11.77	119	1075223	108.967	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1099970	107.179	ug/l	99
81) sec-Butylbenzene	11.94	105	1268507	108.071	ug/l	100
82) p-Isopropyltoluene	12.06	119	1184820	110.544	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	616176	113.525	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	621951	114.630	ug/l	99
85) n-Butylbenzene	12.38	91	1038890	107.146	ug/l	99
86) Hexachloroethane	12.60	117	205474	116.254	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	591144	108.191	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	95523	96.508	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	428390	111.074	ug/l	98
90) Hexachlorobutadiene	13.78	225	199365	104.049	ug/l	96
91) Naphthalene	13.83	128	1306722	105.023	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	424144	108.740	ug/l	99

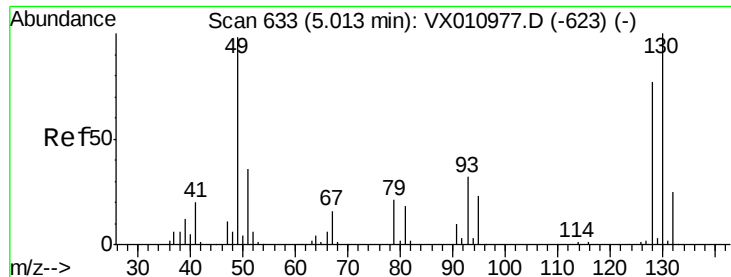
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

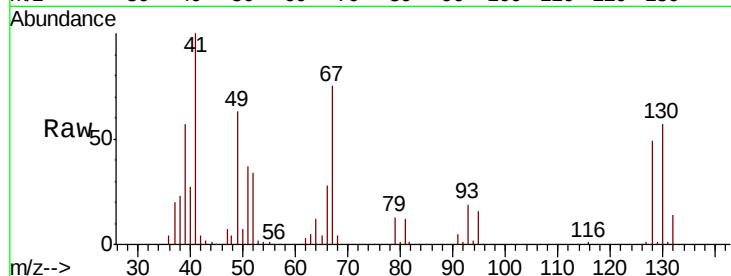
Tot Ion:128 Resp: 40226

Ion Ratio Lower Upper

128 100

49 139.5 0.0 343.5

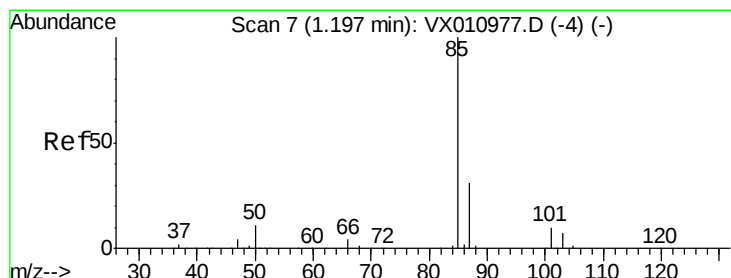
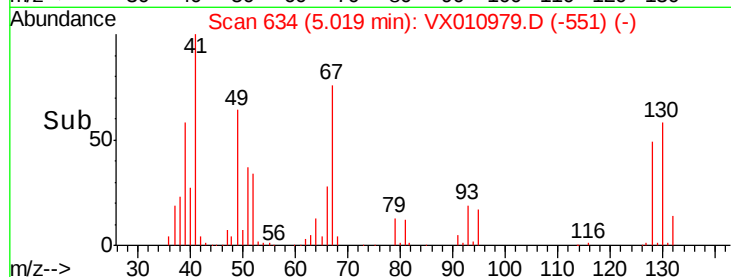
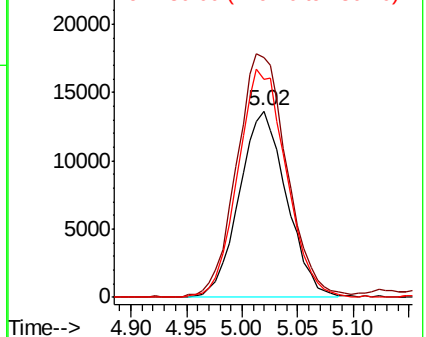
130 125.7 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 126.108 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010979.D

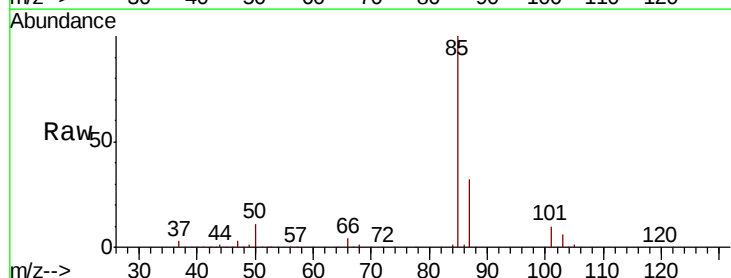
Acq: 18 Jul 2019 23:31

Tgt Ion: 85 Resp: 286164

Ion Ratio Lower Upper

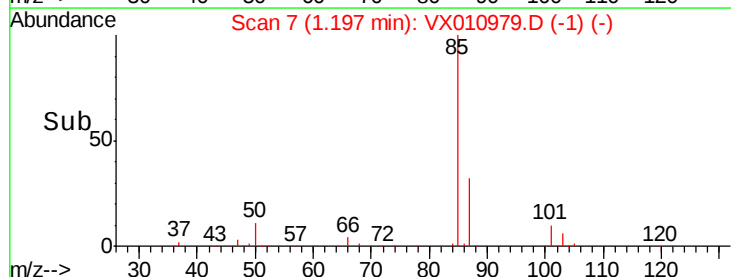
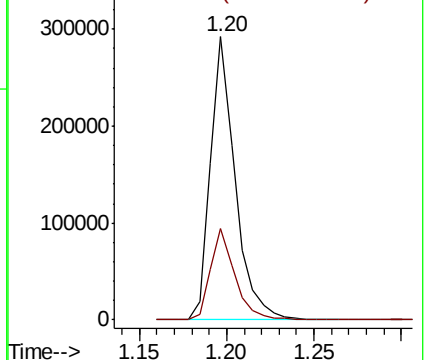
85 100

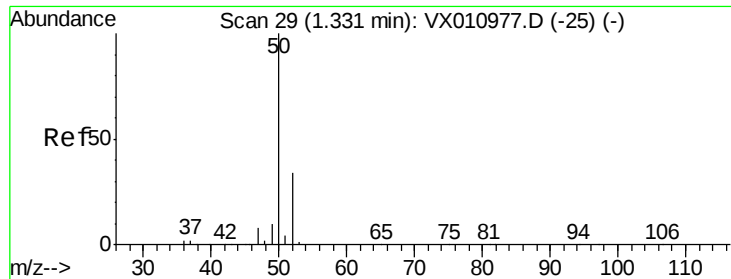
87 32.3 15.4 46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 85.618 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

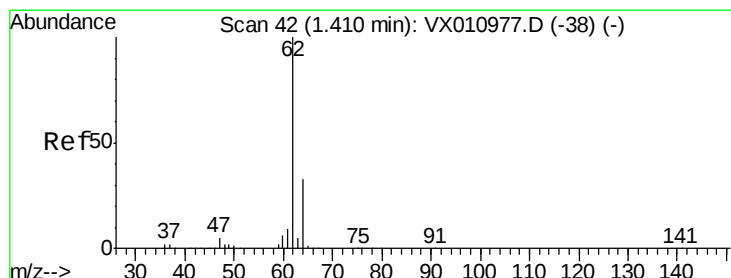
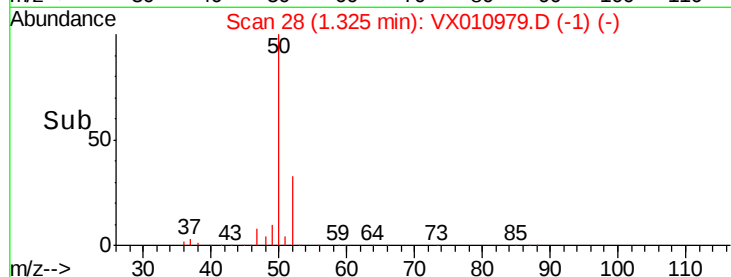
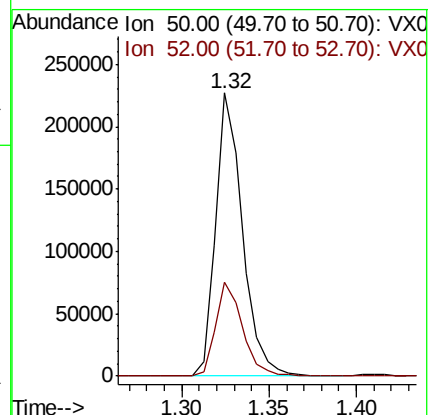
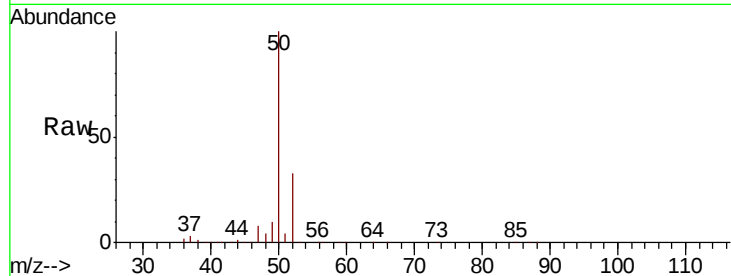
VSTDIC100

Tot Ion: 50 Resp: 239493

Ion Ratio Lower Upper

50 100

52 33.3 27.3 40.9



#4

Vinyl Chloride

Concen: 90.511 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010979.D

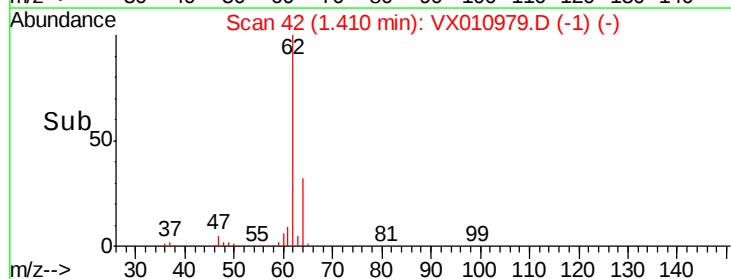
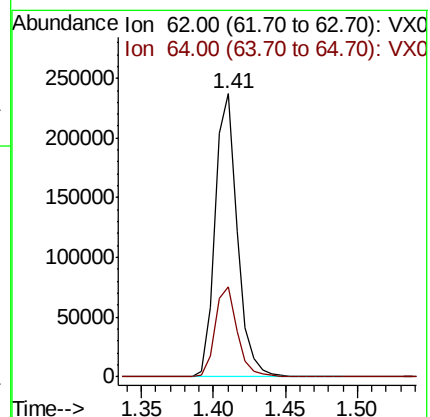
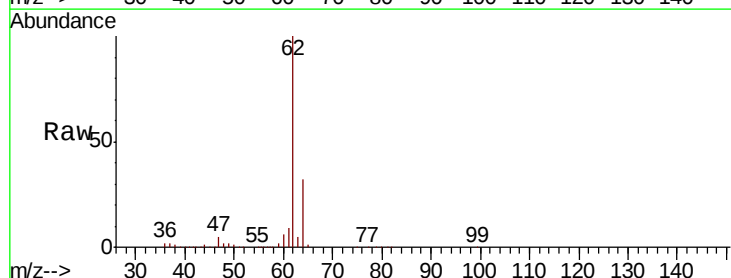
Acq: 18 Jul 2019 23:31

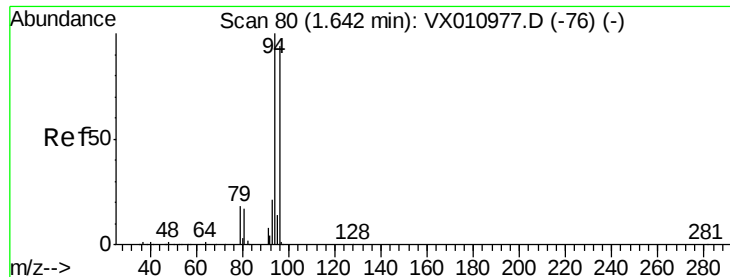
Tgt Ion: 62 Resp: 253223

Ion Ratio Lower Upper

62 100

64 31.7 26.8 40.2





#5

Bromomethane

Concen: 72.092 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

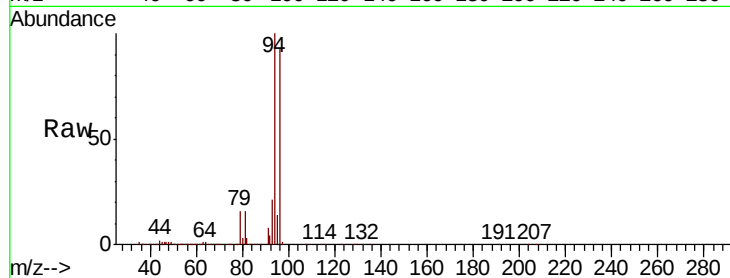
VSTDIC100

Tot Ion: 94 Resp: 130155

Ion Ratio Lower Upper

94 100

96 92.6 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

150000

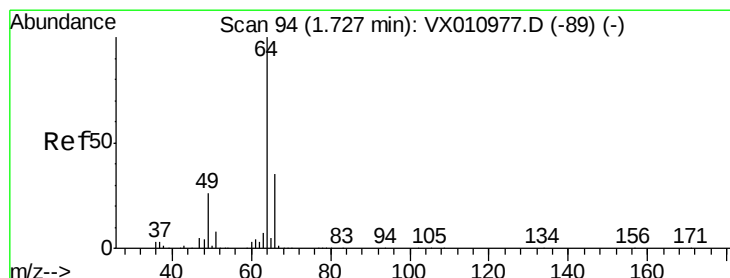
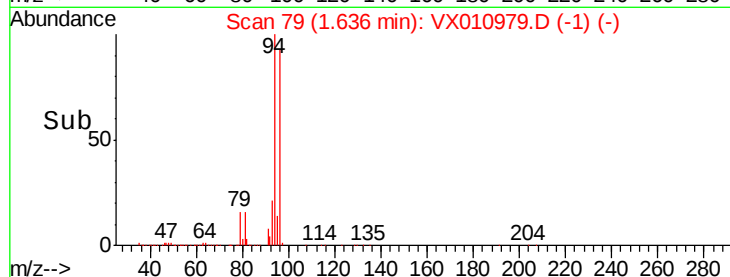
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 81.866 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010979.D

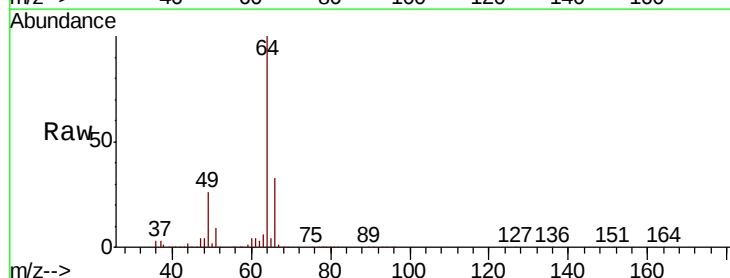
Acq: 18 Jul 2019 23:31

Tgt Ion: 64 Resp: 146854

Ion Ratio Lower Upper

64 100

66 33.0 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

120000

100000

80000

60000

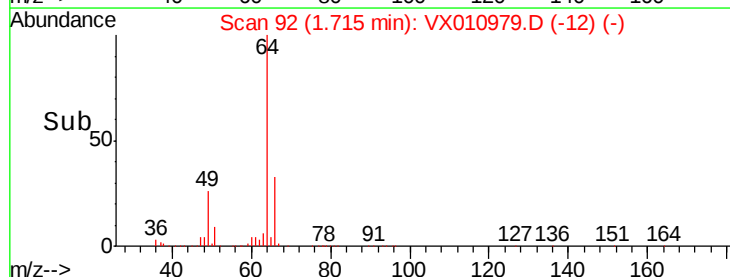
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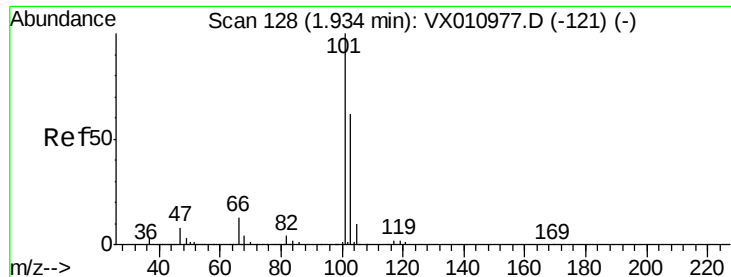
20000

0

1.65 1.70 1.75 1.80

Time-->



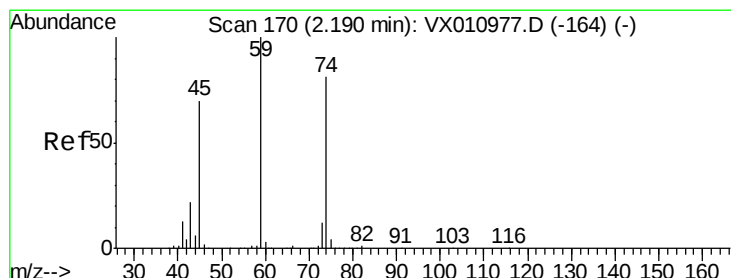
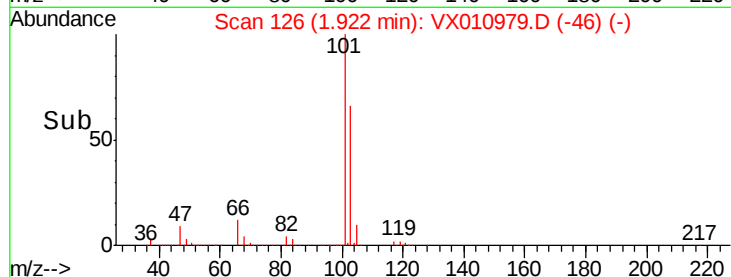
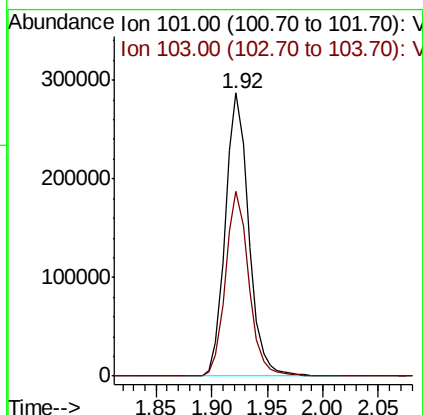
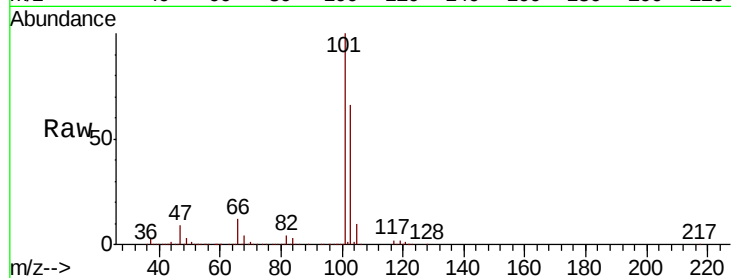


#7

Trichlorofluoromethane
Concen: 114.022 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

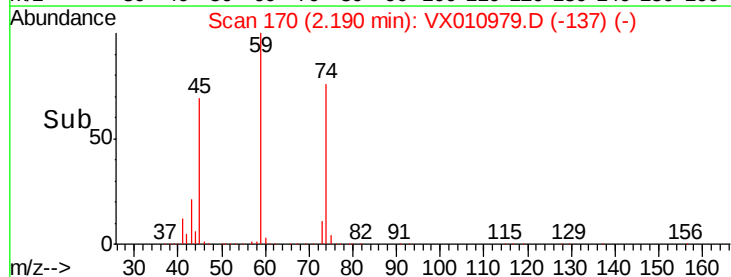
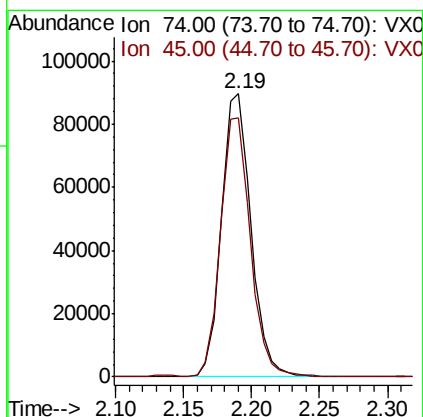
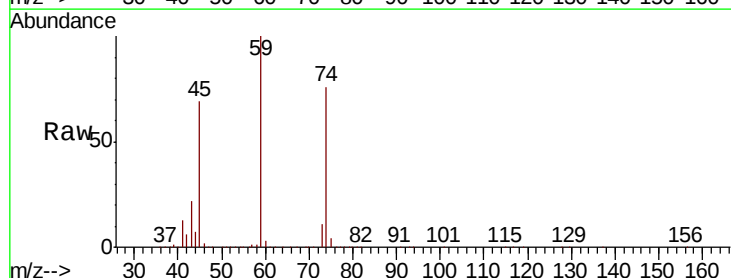
Tot Ion:101 Resp: 418169
Ion Ratio Lower Upper
101 100
103 65.5 49.6 74.4

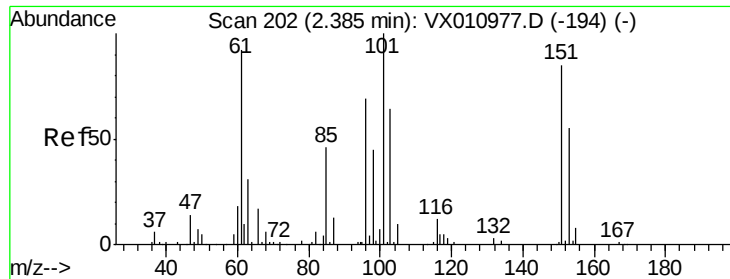


#8

Diethyl Ether
Concen: 84.728 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 74 Resp: 134831
Ion Ratio Lower Upper
74 100
45 92.5 18.3 164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.200 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

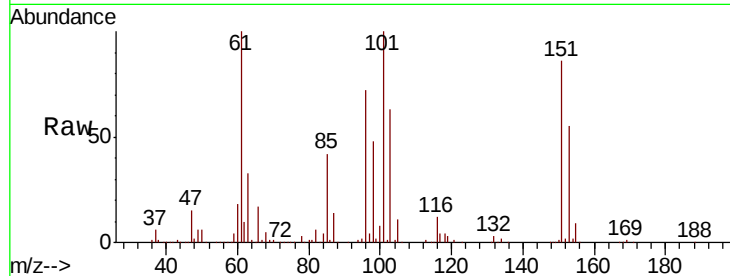
Tot Ion:101 Resp: 230114

Ion Ratio Lower Upper

101 100

85 43.1 0.0 89.8

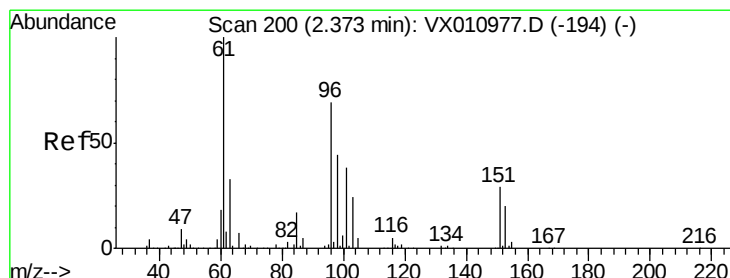
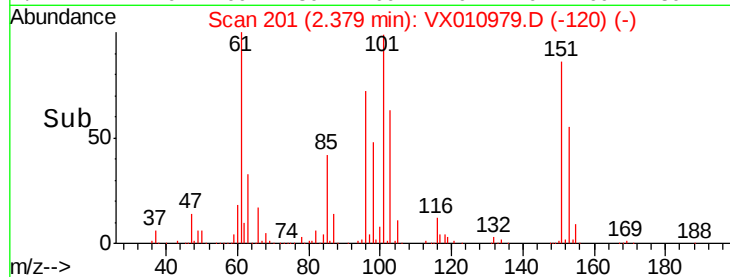
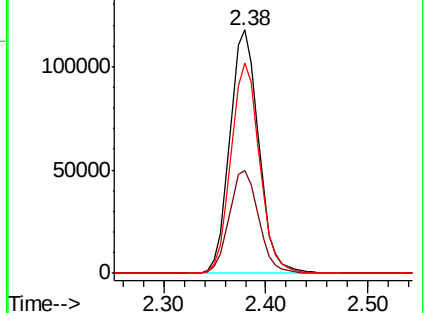
151 85.5 0.0 172.2



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: 102.262 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

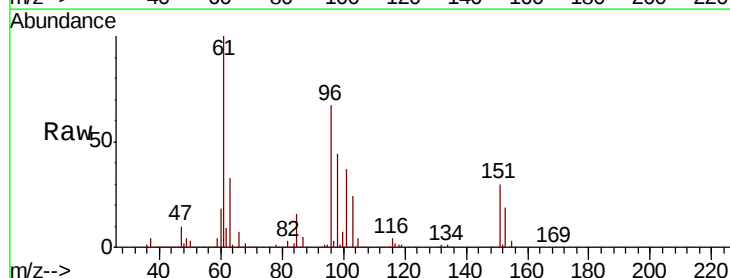
Tgt Ion: 96 Resp: 227011

Ion Ratio Lower Upper

96 100

61 150.0 115.9 173.9

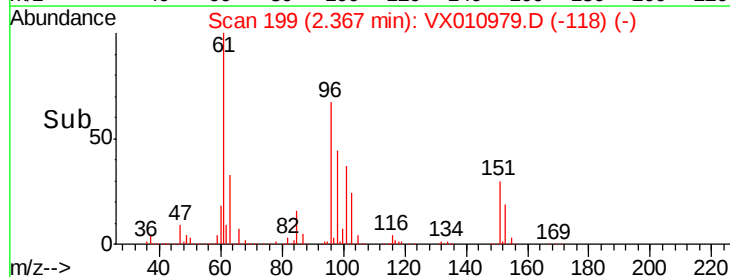
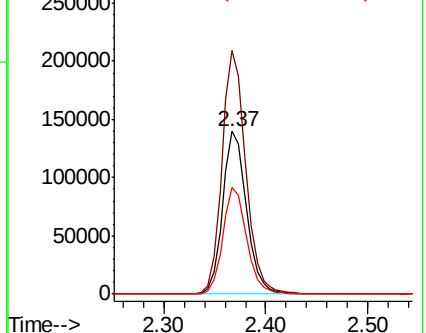
98 65.6 50.6 75.8

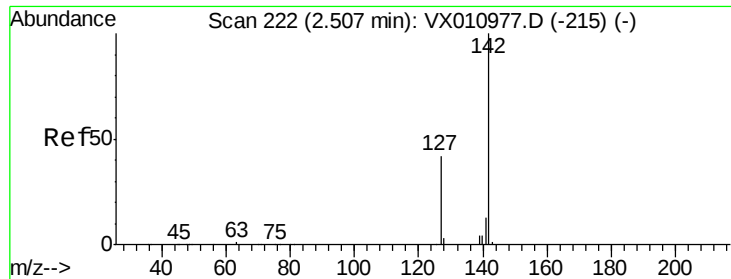


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

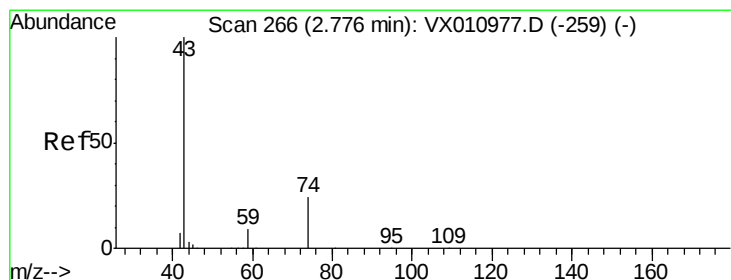
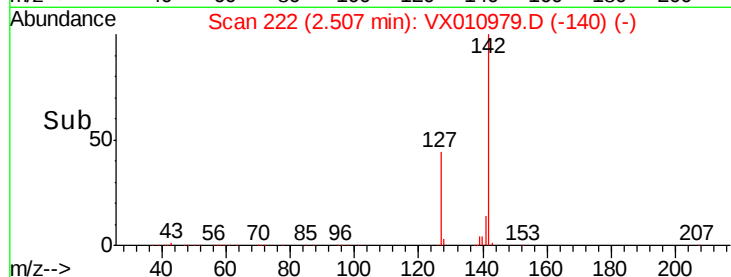
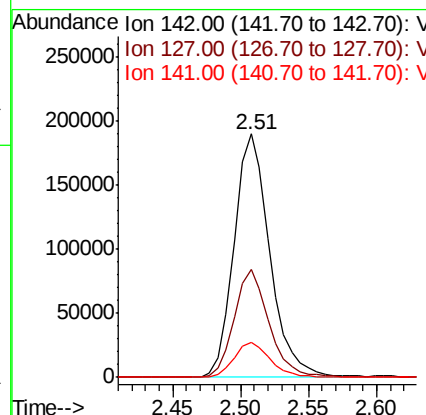
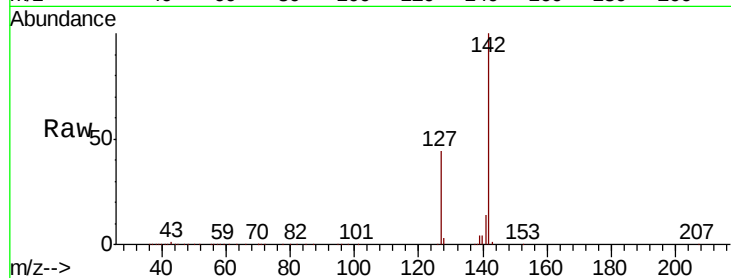




#11
Methvl Iodide
Concen: 138.515 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

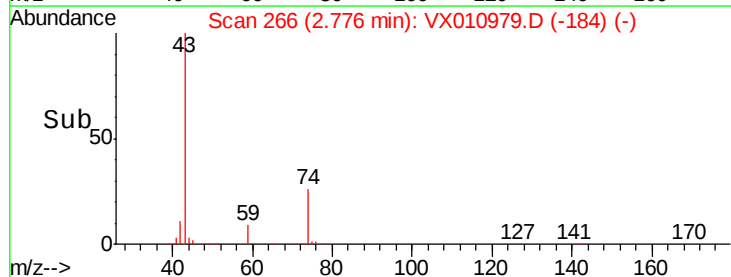
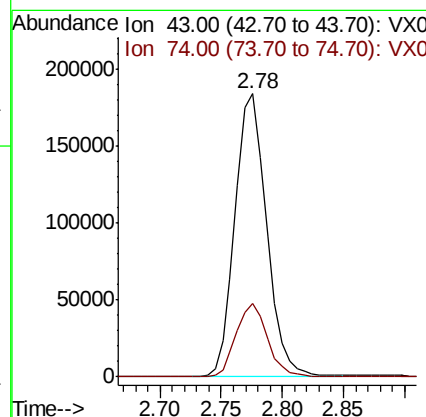
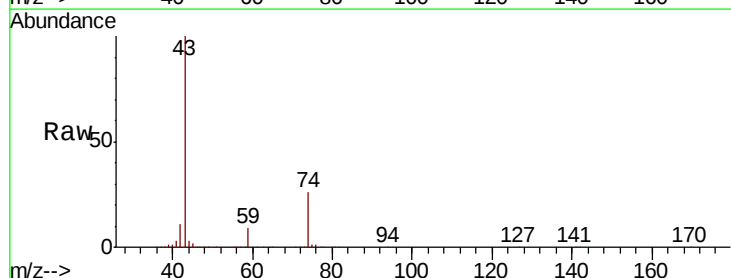
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

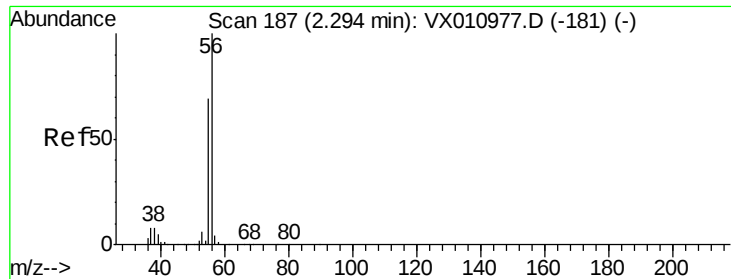
Tot Ion:142 Resp: 347050
Ion Ratio Lower Upper
142 100
127 44.2 20.7 62.1
141 14.2 6.7 20.0



#12
Methyl Acetate
Concen: 82.695 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 43 Resp: 330324
Ion Ratio Lower Upper
43 100
74 25.9 19.8 29.6





#13

Acrolein

Concen: 358.468 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

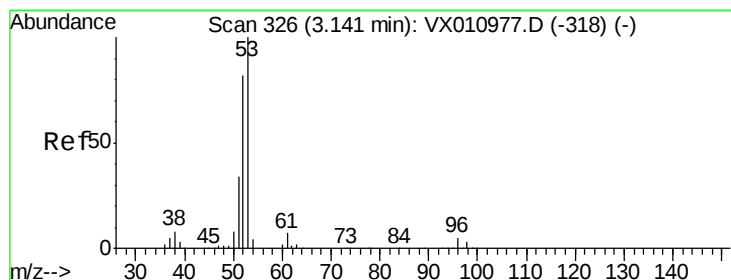
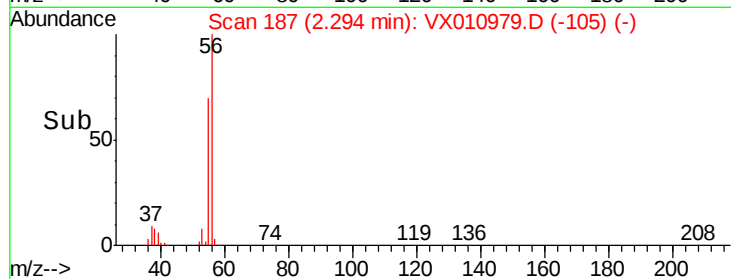
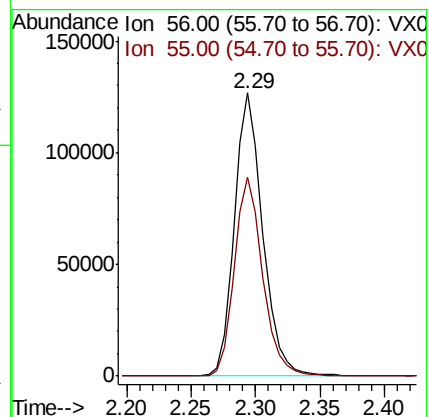
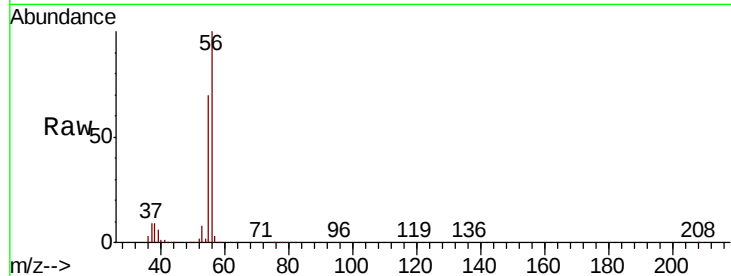
VSTDIC100

Tot Ion: 56 Resp: 194431

Ion Ratio Lower Upper

56 100

55 69.9 56.1 84.1



#14

Acrylonitrile

Concen: 376.099 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

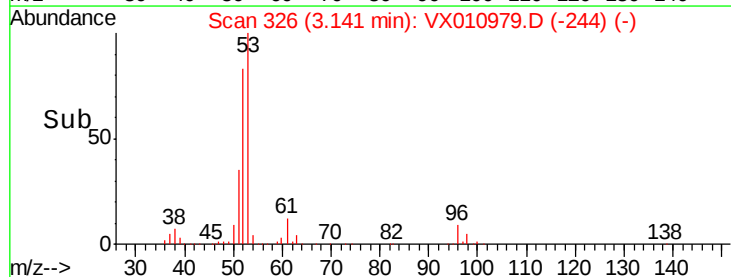
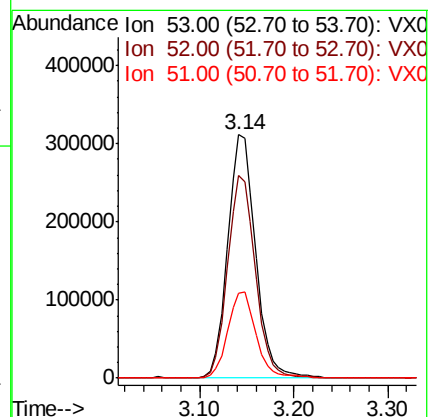
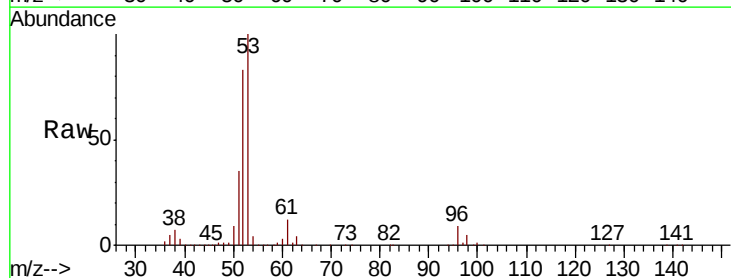
Tgt Ion: 53 Resp: 639006

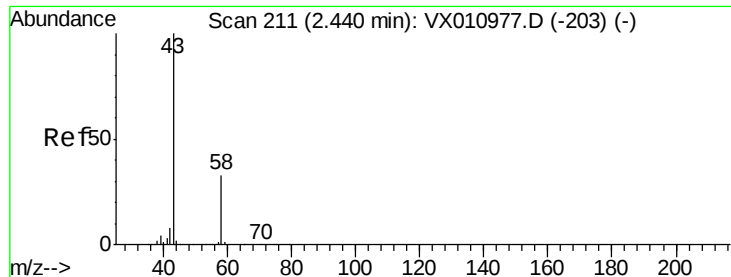
Ion Ratio Lower Upper

53 100

52 83.1 41.1 123.4

51 36.3 17.8 53.3





#15

Acetone

Concen: 360.445 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

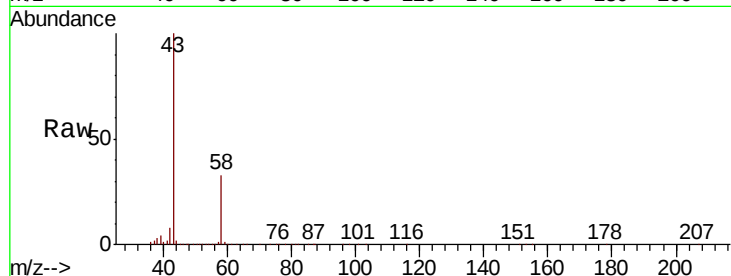
VSTDIC100

Tot Ion: 58 Resp: 174137

Ion Ratio Lower Upper

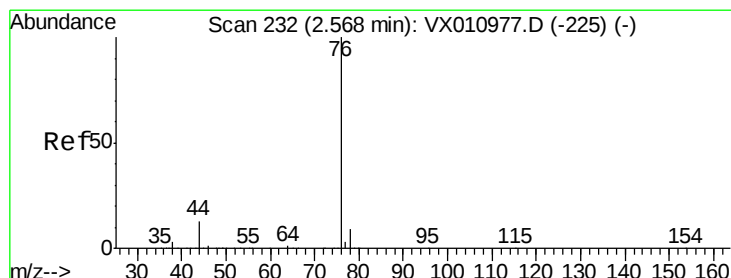
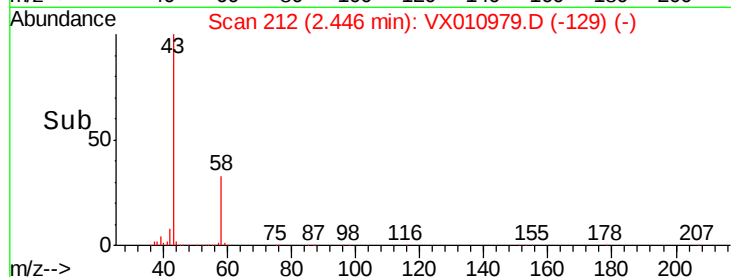
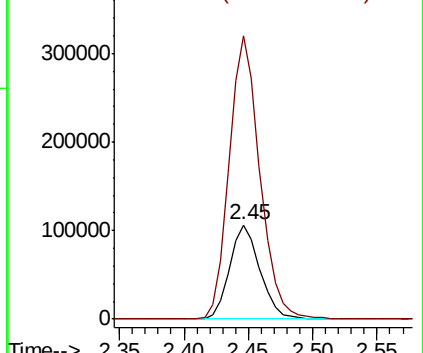
58 100

43 299.5 243.8 365.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 105.468 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010979.D

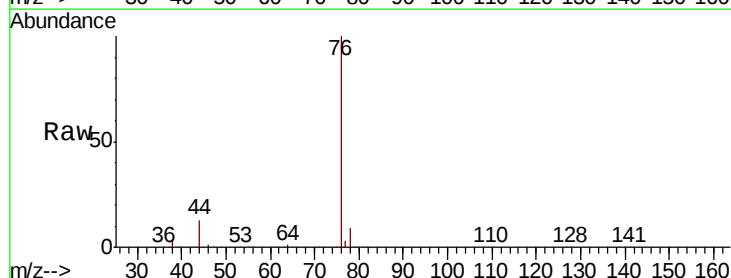
Acq: 18 Jul 2019 23:31

Tgt Ion: 76 Resp: 622758

Ion Ratio Lower Upper

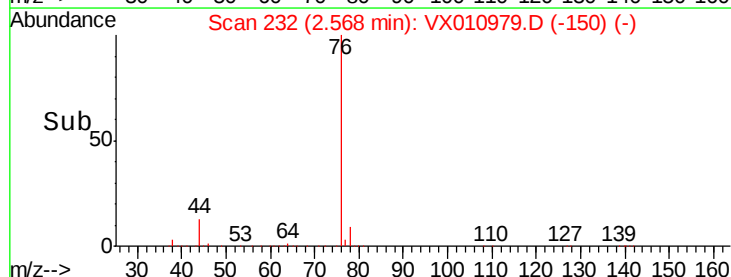
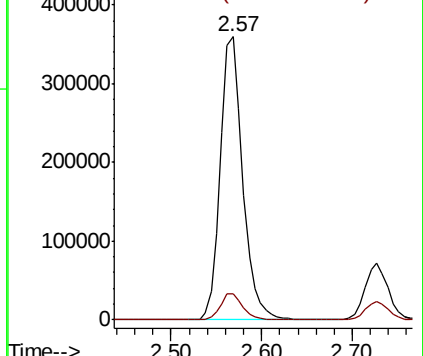
76 100

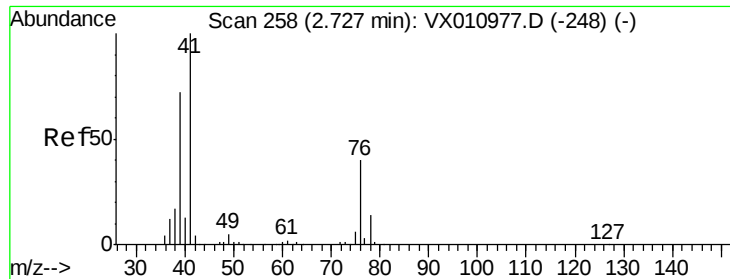
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 70.313 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

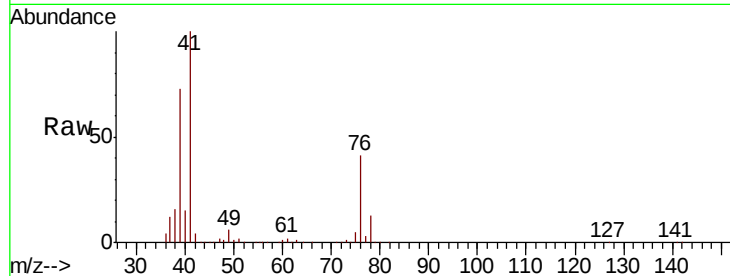
Tot Ion: 41 Resp: 343743

Ion Ratio Lower Upper

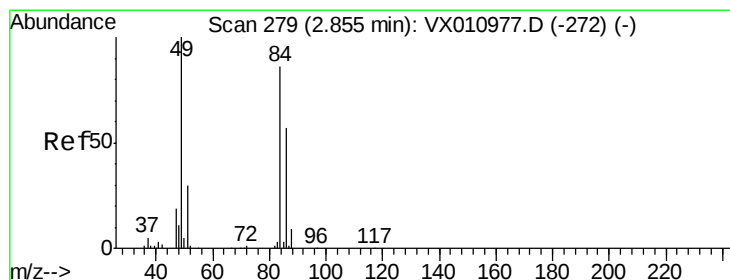
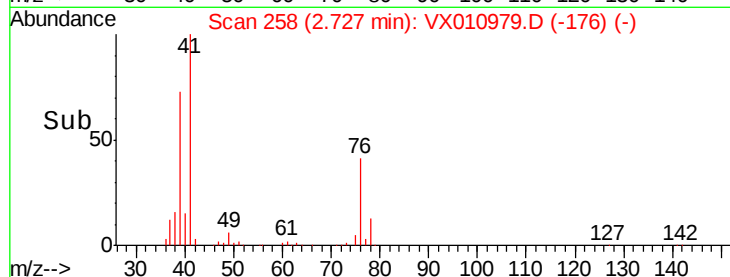
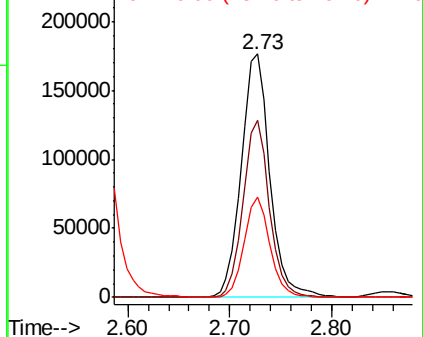
41 100

39 72.7 36.1 108.3

76 40.9 20.2 60.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 95.634 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Tgt Ion: 84 Resp: 252720

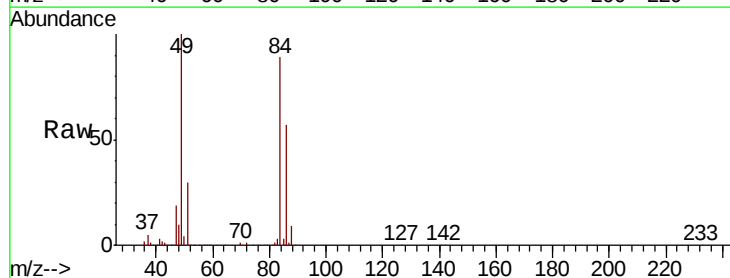
Ion Ratio Lower Upper

84 100

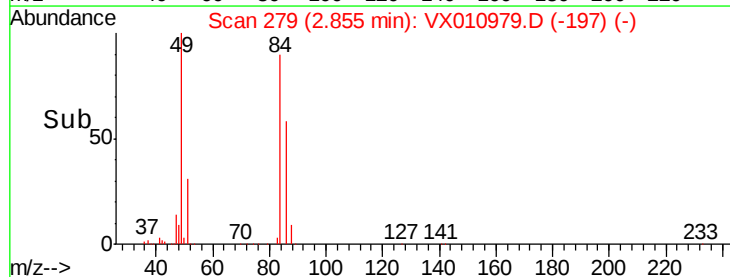
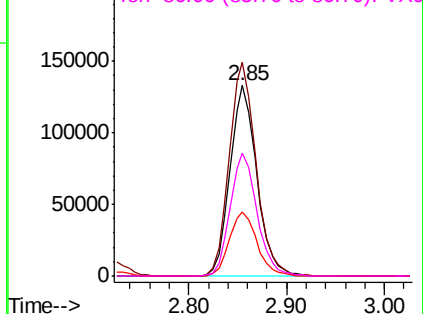
49 111.9 93.2 139.8

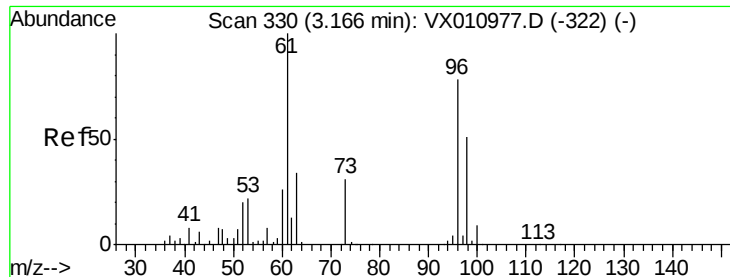
51 33.9 28.6 42.8

86 64.3 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

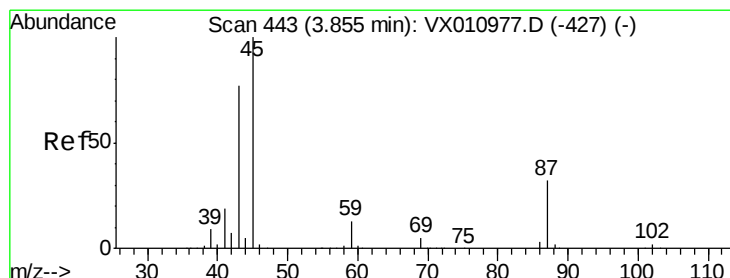
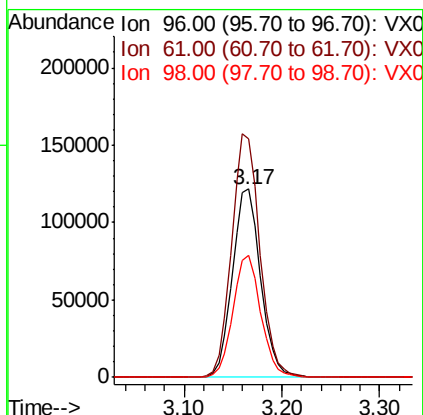
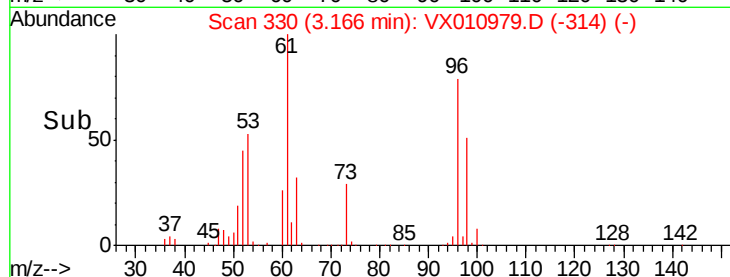
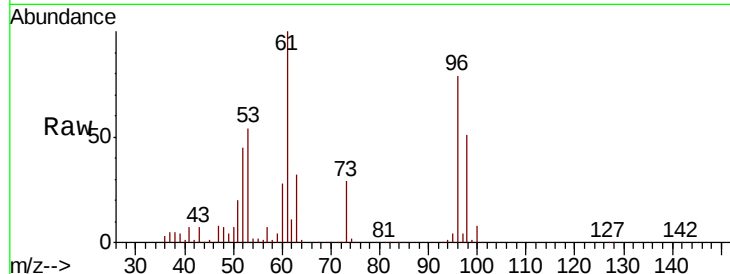




#19
trans-1,2-Dichloroethene
Concen: 103.179 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

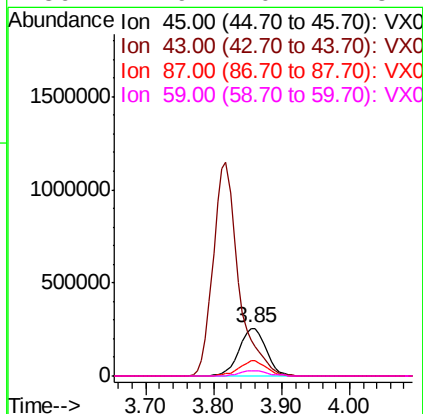
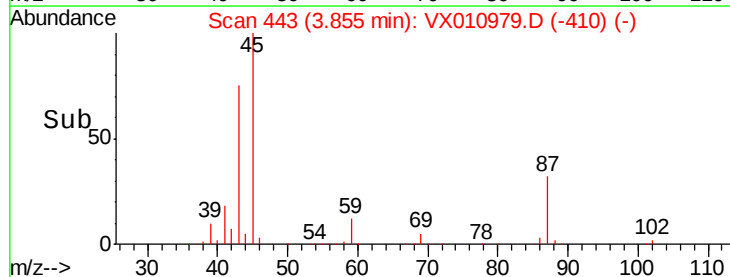
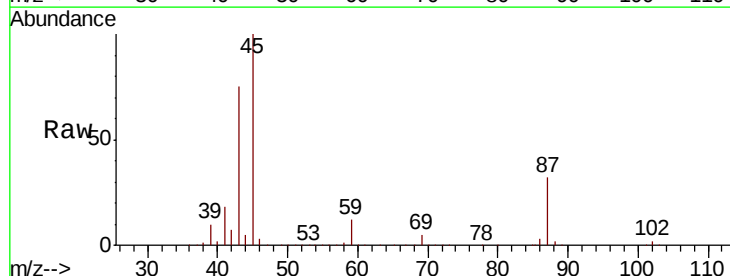
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

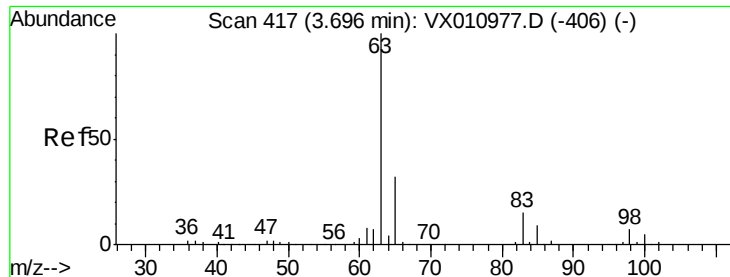
Tot Ion: 96 Resp: 244260
Ion Ratio Lower Upper
96 100
61 126.5 102.2 153.4
98 64.9 52.2 78.2



#20
Diisopropyl ether
Concen: 72.960 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 45 Resp: 709193
Ion Ratio Lower Upper
45 100
43 74.7 61.5 92.3
87 31.9 25.4 38.2
59 11.9 10.2 15.2





#21

1,1-Dichloroethane

Concen: 84.953 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

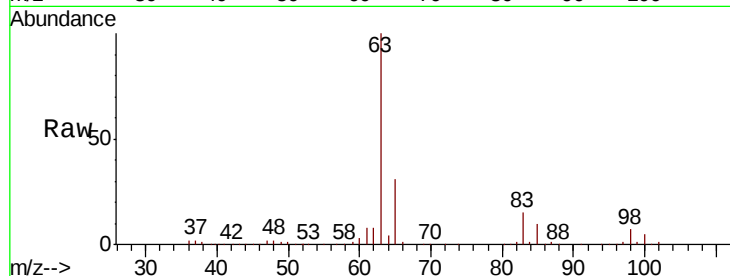
Tot Ion: 63 Resp: 411017

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

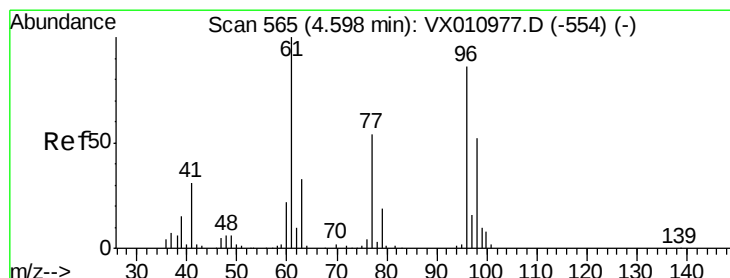
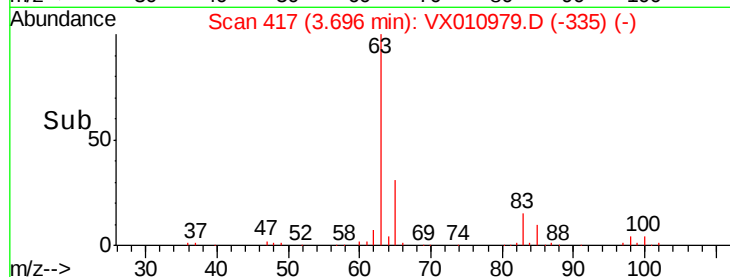
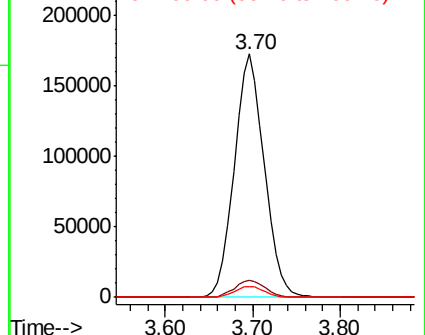
100 4.5 2.5 7.4



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 99.595 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

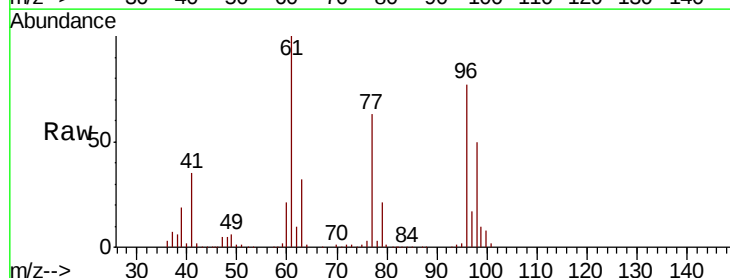
Tgt Ion: 96 Resp: 280255

Ion Ratio Lower Upper

96 100

61 131.5 102.9 154.3

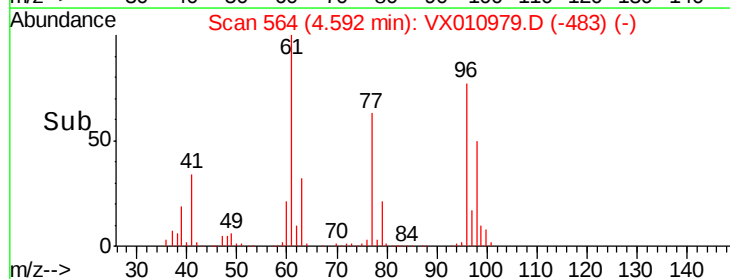
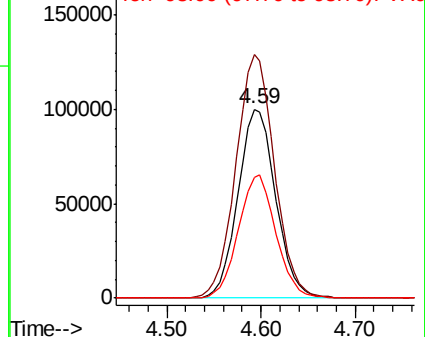
98 64.7 50.9 76.3

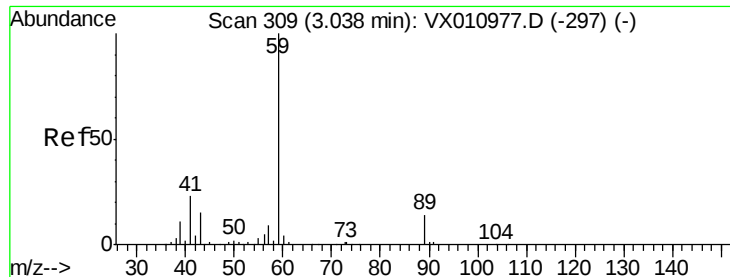


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



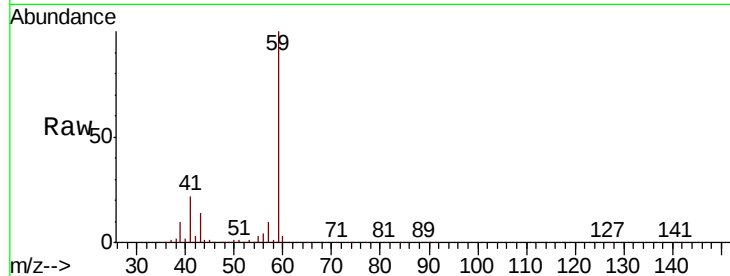


#23

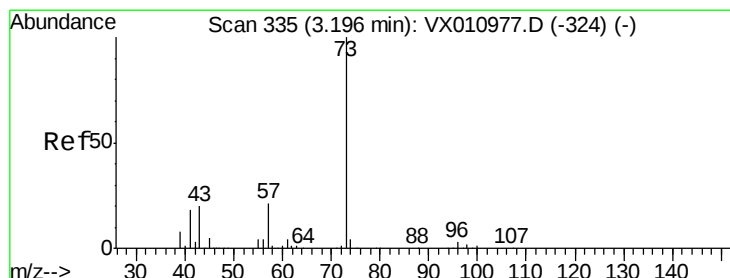
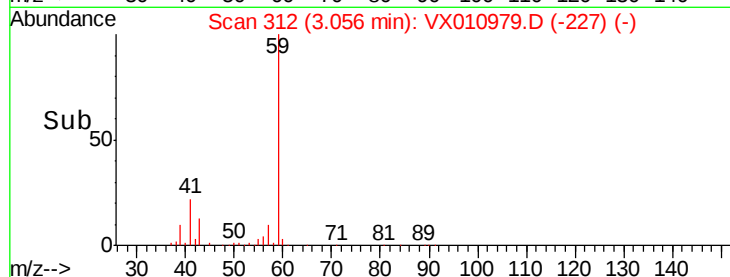
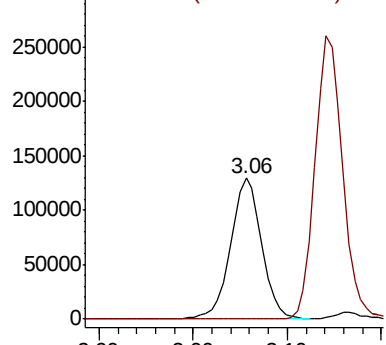
tert-Butyl Alcohol
 Concen: 403.634 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.02 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 59 Resp: 300404
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.4



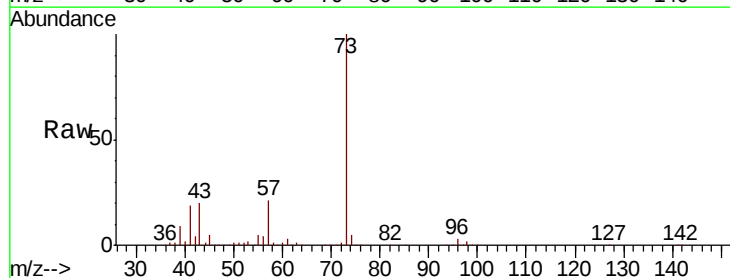
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



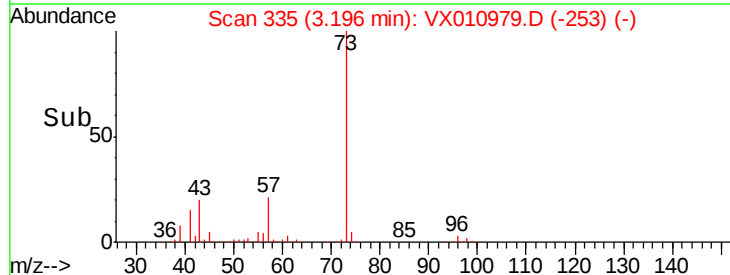
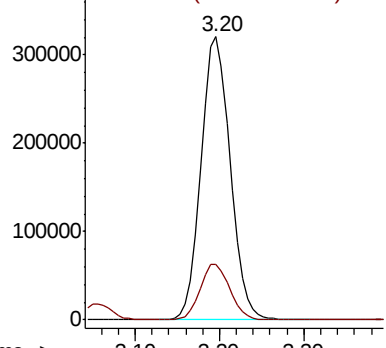
#24

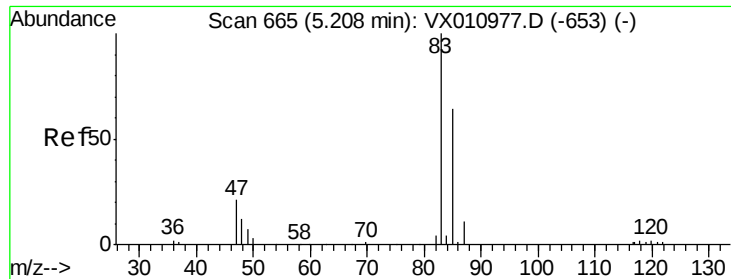
Methyl tert-Butyl Ether
 Concen: 89.522 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 73 Resp: 750087
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.8 23.6



Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0

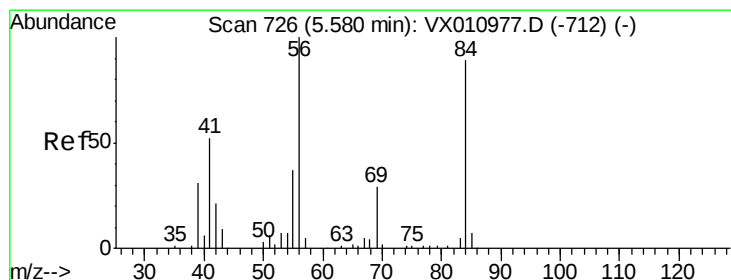
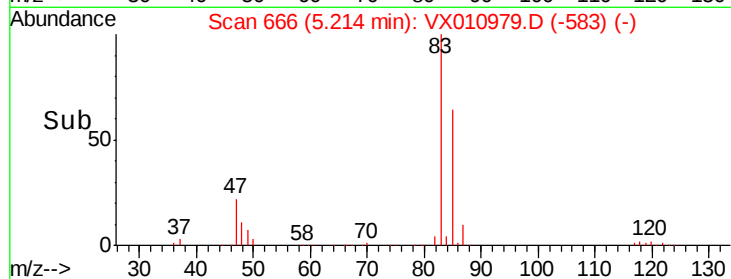
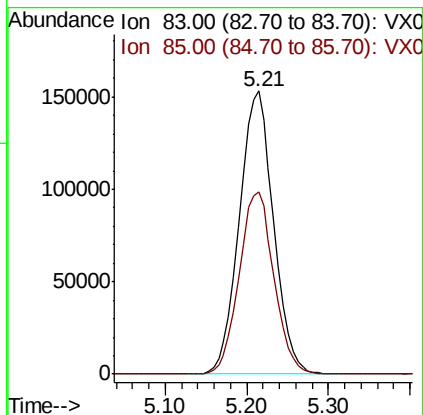
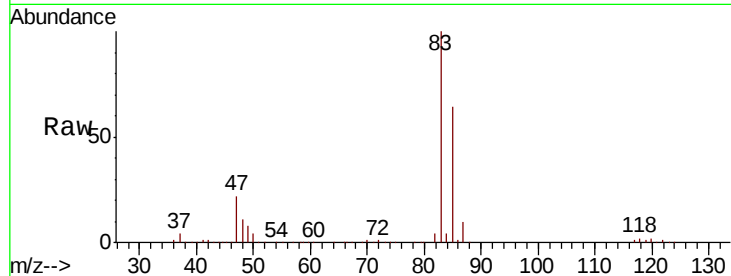




#25
Chloroform
Concen: 98.285 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

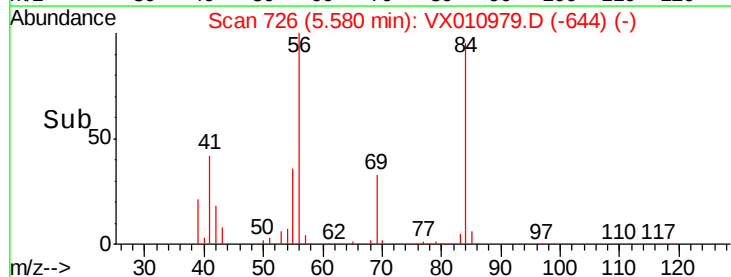
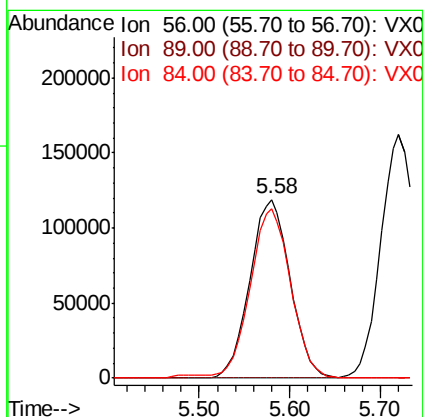
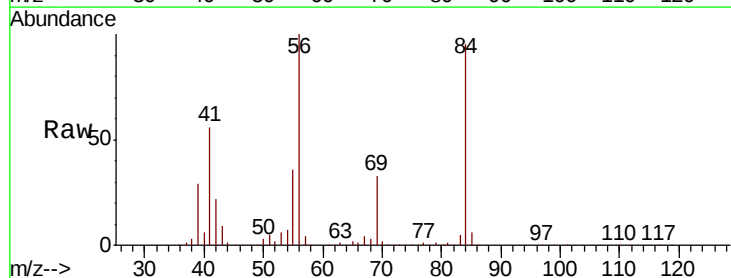
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

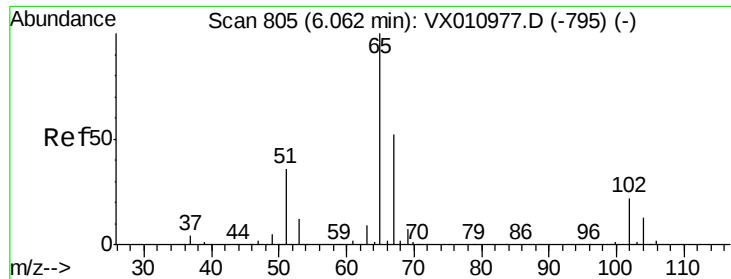
Tot Ion: 83 Resp: 446233
Ion Ratio Lower Upper
83 100
85 64.3 50.9 76.3



#26
Cyclohexane
Concen: 81.543 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 56 Resp: 365604
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 95.0 73.0 109.4

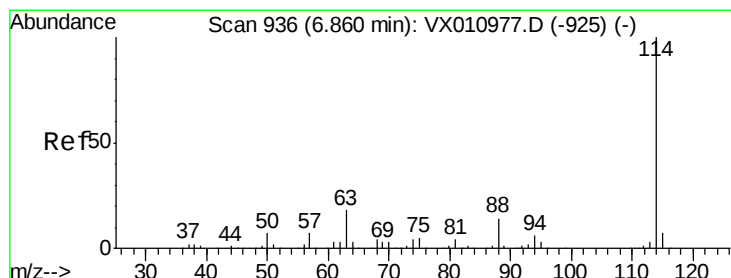
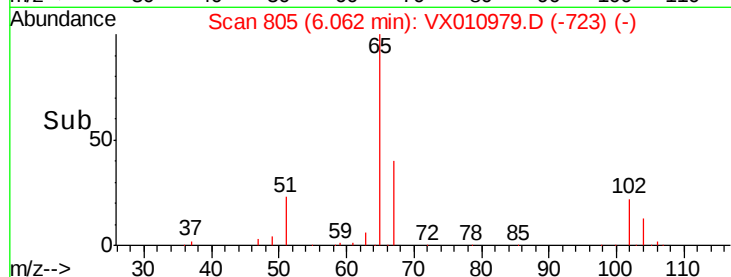
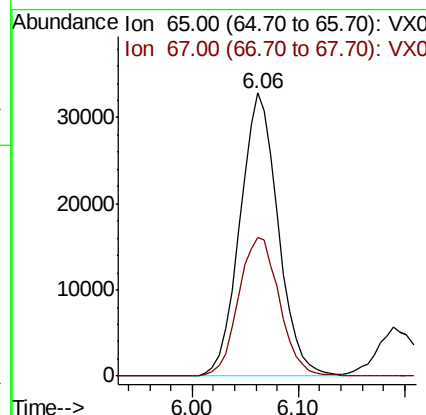
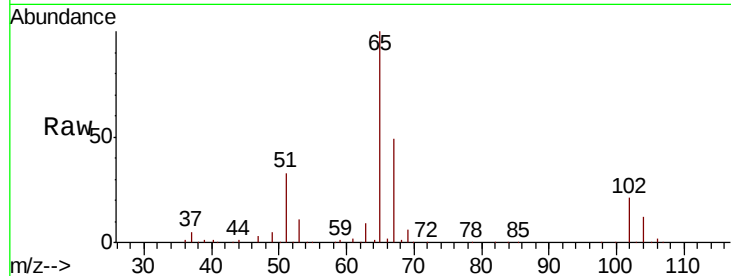




#27
 1,2-Dichloroethane-d4
 Concen: 25.793 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

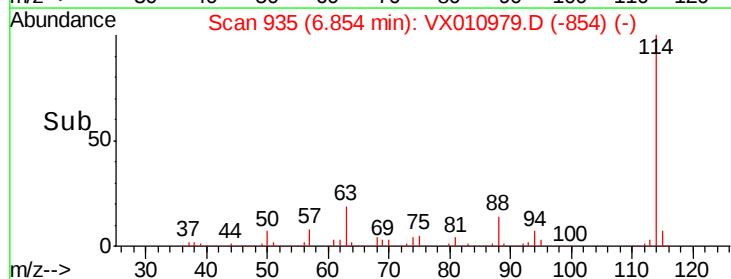
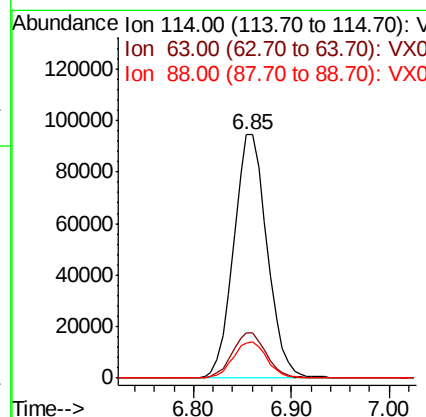
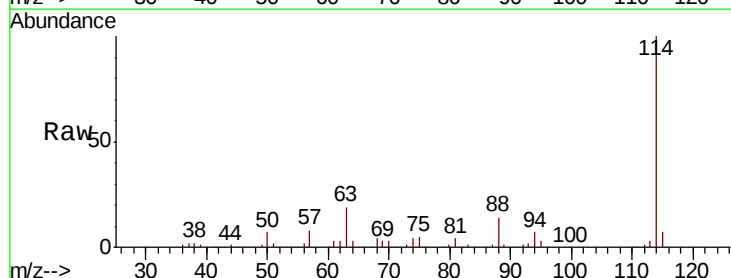
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

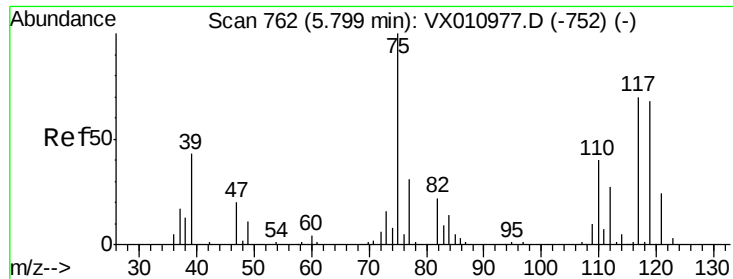
Tot Ion: 65 Resp: 82818
 Ion Ratio Lower Upper
 65 100
 67 52.4 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 114 Resp: 224393
 Ion Ratio Lower Upper
 114 100
 63 18.9 14.6 22.0
 88 15.0 11.8 17.8





#29

1,1-Dichloropropene

Concen: 100.156 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

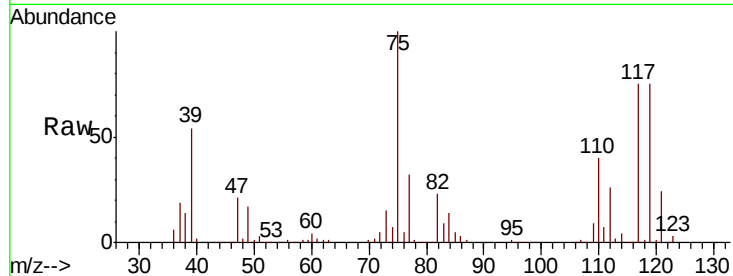
Tot Ion: 75 Resp: 326977

Ion Ratio Lower Upper

75 100

110 38.7 0.0 79.8

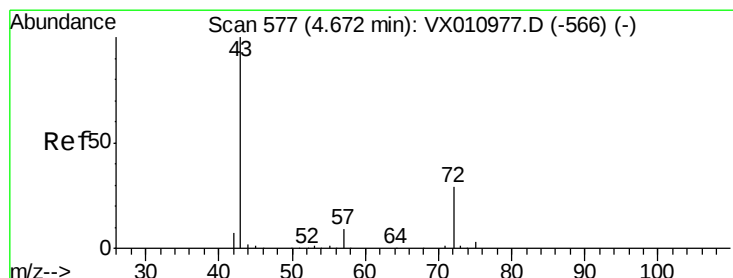
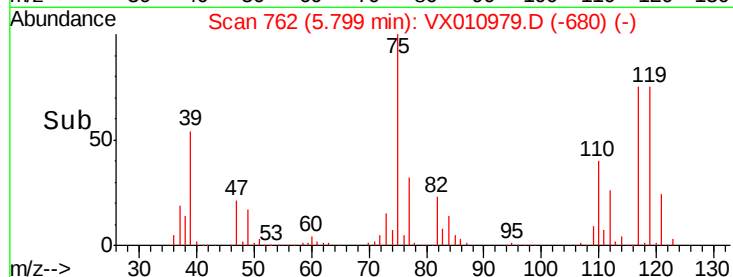
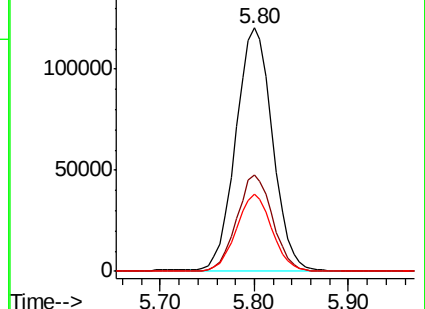
77 31.0 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VX010977.D (-752) (-)

Ion 110.00 (109.70 to 110.70): VX010977.D (-752) (-)

Ion 77.00 (76.70 to 77.70): VX010977.D (-752) (-)



#30

2-Butanone

Concen: 369.414 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

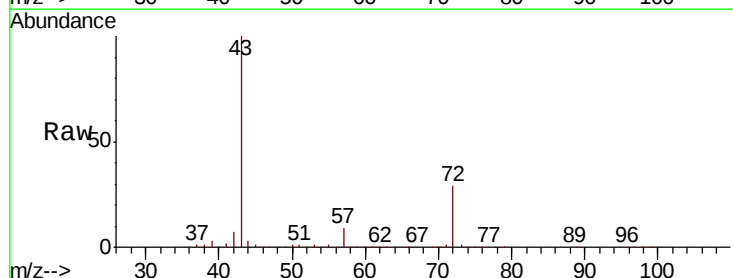
Tgt Ion: 43 Resp: 888992

Ion Ratio Lower Upper

43 100

57 8.6 6.8 10.2

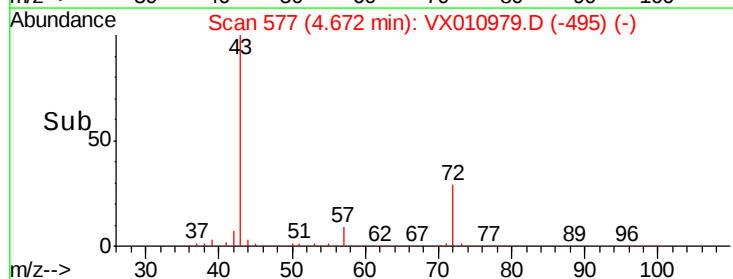
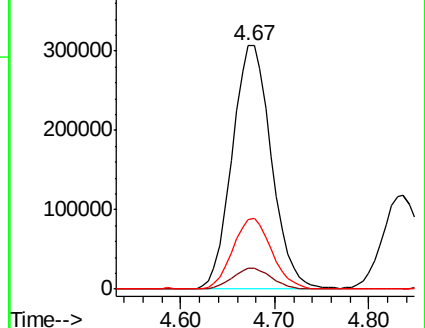
72 28.9 23.2 34.8

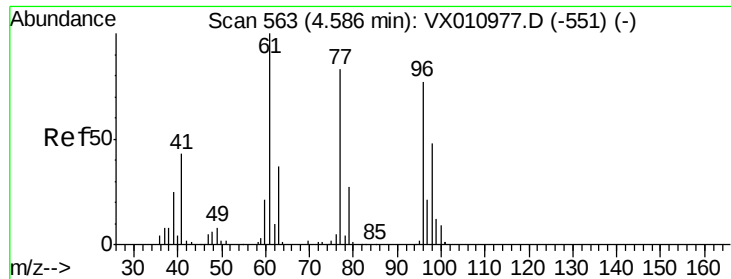


Abundance Ion 43.00 (42.70 to 43.70): VX010977.D (-566) (-)

Ion 57.00 (56.70 to 57.70): VX010977.D (-566) (-)

Ion 72.00 (71.70 to 72.70): VX010977.D (-566) (-)





#31

2,2-Dichloropropane

Concen: 85.625 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

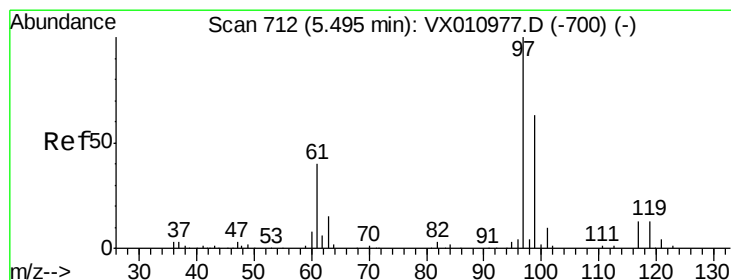
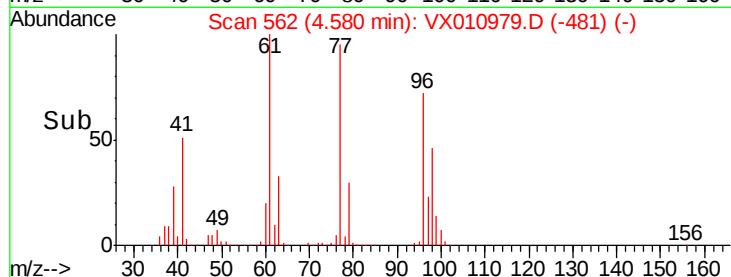
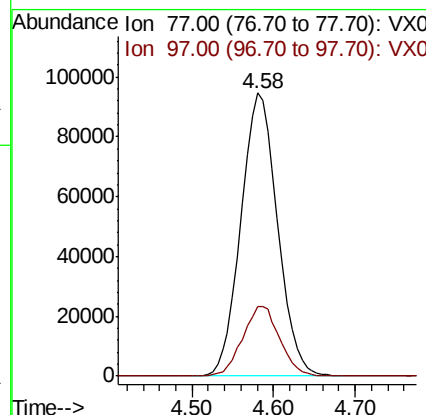
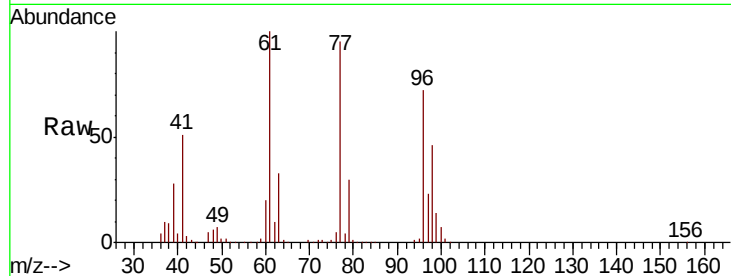
VSTDIC100

Tot Ion: 77 Resp: 294718

Ion Ratio Lower Upper

77 100

97 24.9 20.9 31.3



#32

1,1,1-Trichloroethane

Concen: 113.248 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

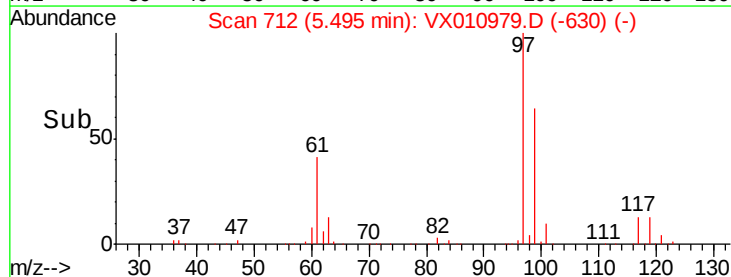
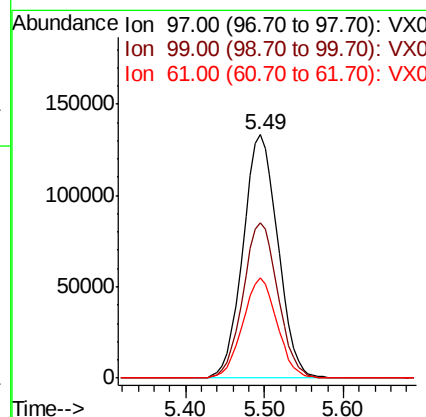
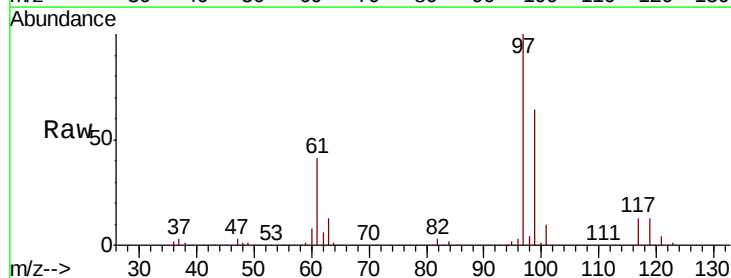
Tgt Ion: 97 Resp: 409022

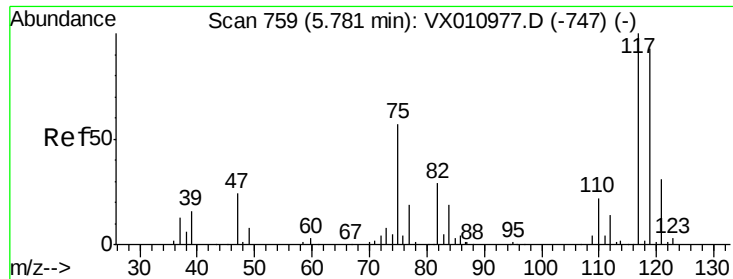
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

61 40.6 34.3 51.5





#33

Carbon Tetrachloride

Concen: 120.995 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

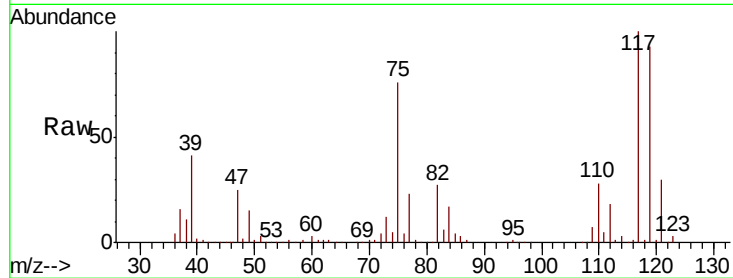
Tot Ion:117 Resp: 365224

Ion Ratio Lower Upper

117 100

119 93.0 74.3 111.5

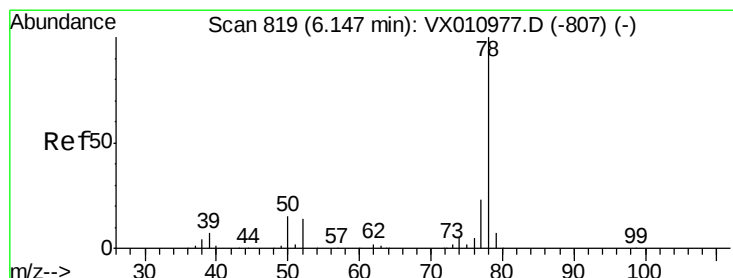
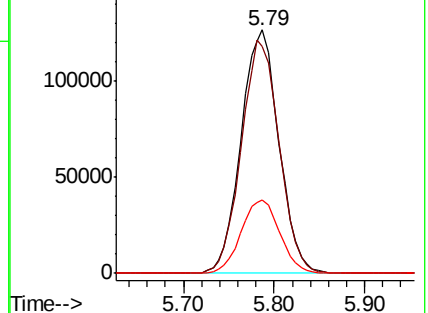
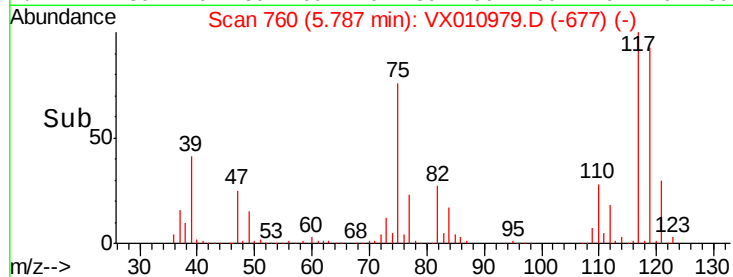
121 30.1 24.9 37.3



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: 97.117 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

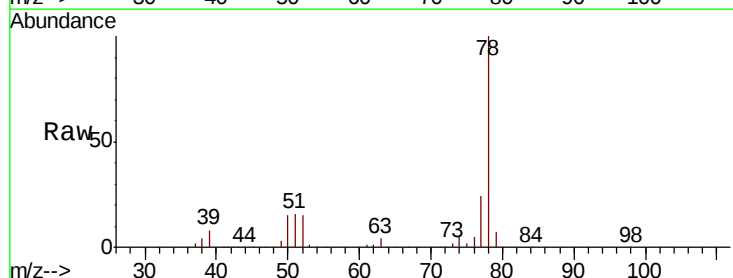
Tgt Ion: 78 Resp: 971712

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.4

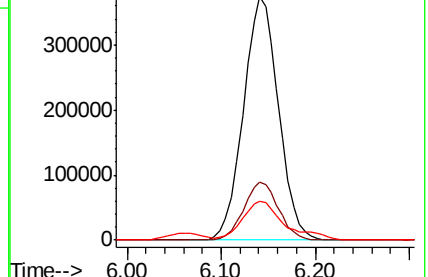
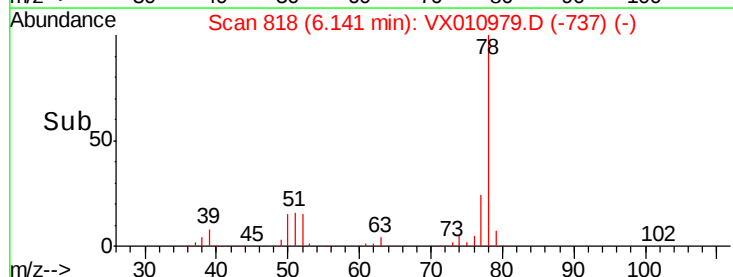
51 15.5 11.4 17.2

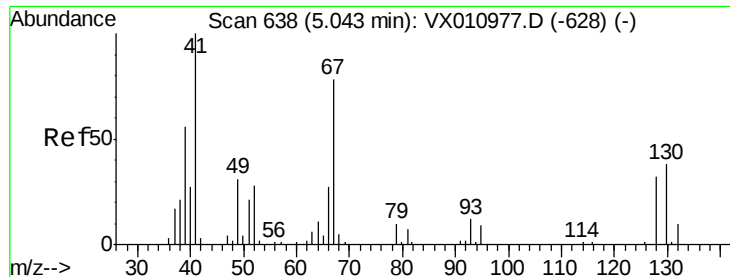


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

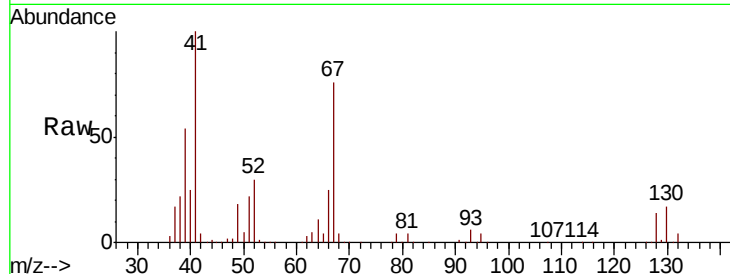




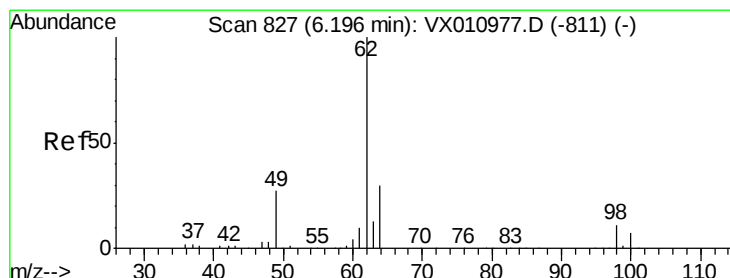
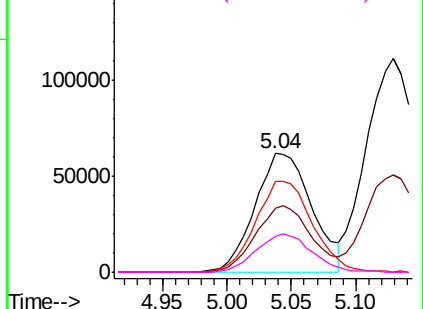
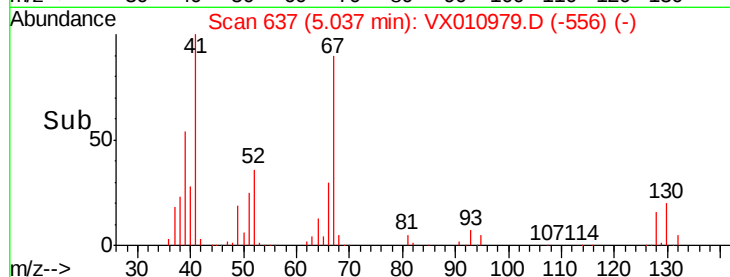
#35
Methacrylonitrile
Concen: 75.436 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 188629
Ion Ratio Lower Upper
41 100
39 54.0 27.6 82.8
67 76.4 39.1 117.2
52 30.3 14.0 42.0

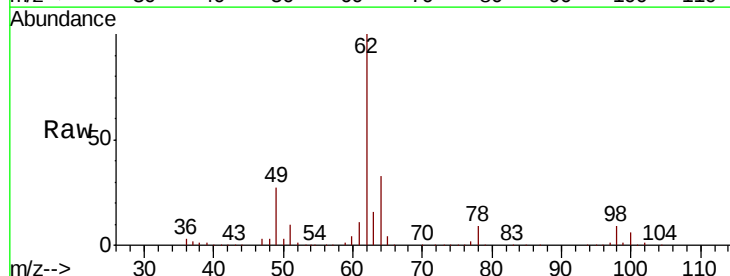


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

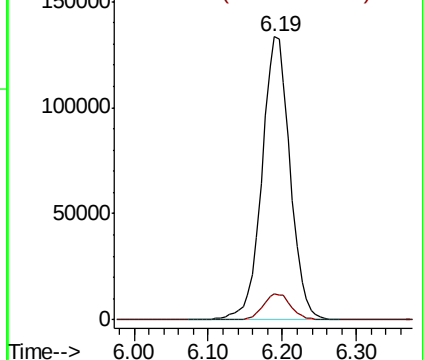
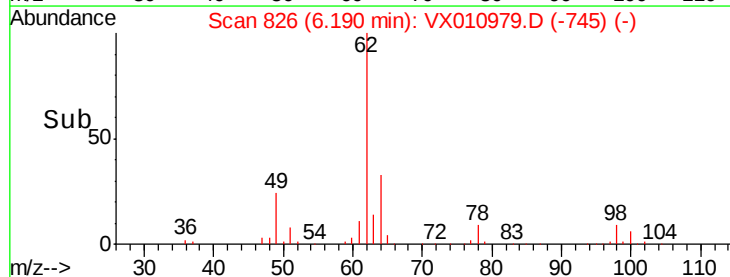


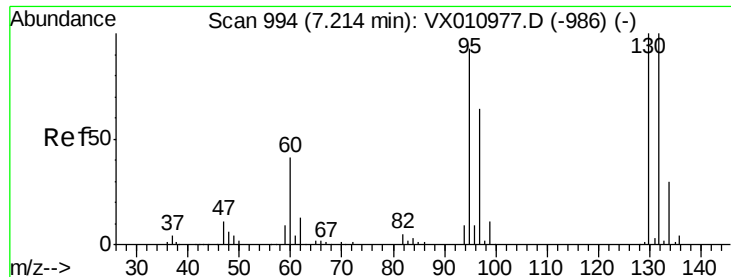
#36
1,2-Dichloroethane
Concen: 97.875 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 62 Resp: 352868
Ion Ratio Lower Upper
62 100
98 5.7 8.0 12.0#



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

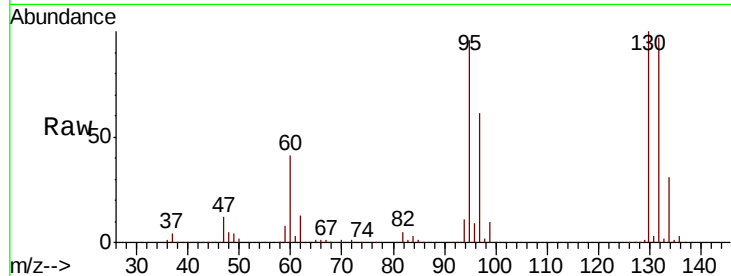




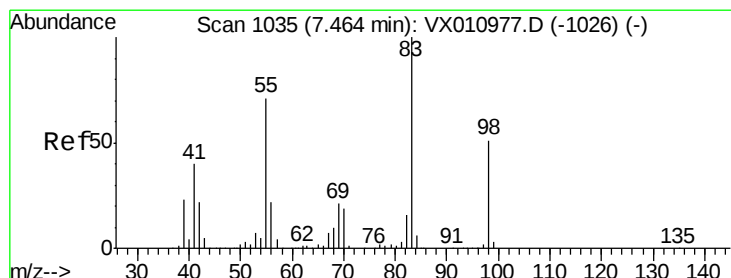
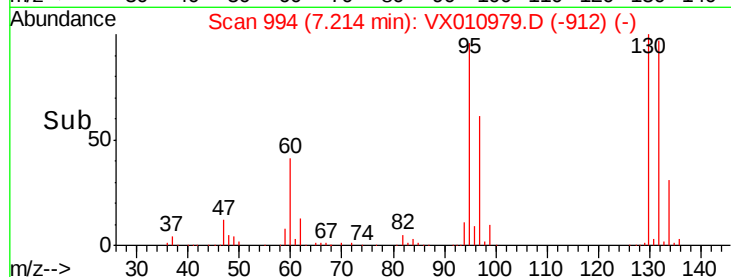
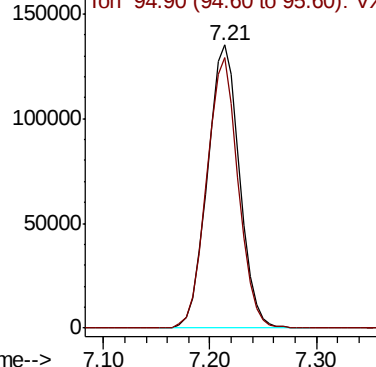
#37
 Trichloroethene
 Concen: 114.095 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 286084
 Ion Ratio Lower Upper
 130 100
 95 95.8 74.1 111.1

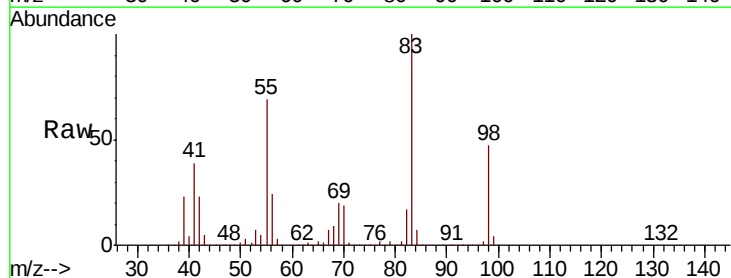


Abundance Ion 129.90 (129.60 to 130.60): VX010977.D (-986) (-)
 Ion 94.90 (94.60 to 95.60): VX010977.D (-986) (-)

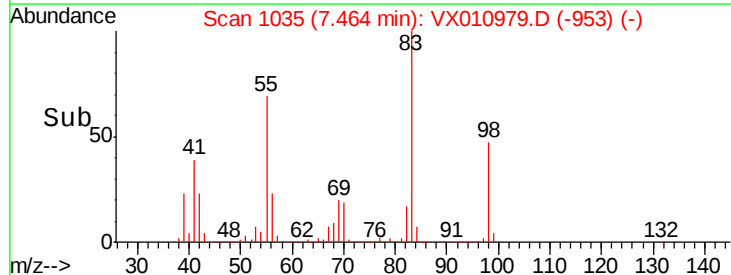
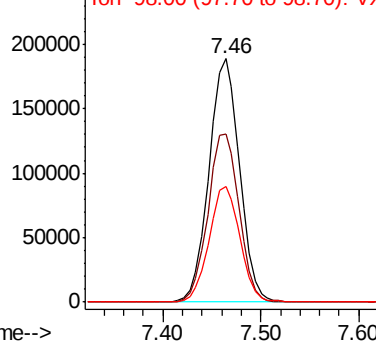


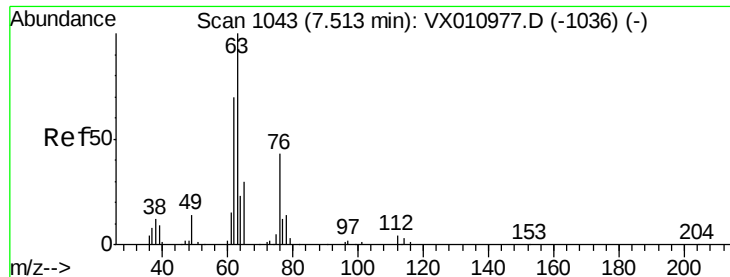
#38
 Methylcyclohexane
 Concen: 100.815 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 83 Resp: 408813
 Ion Ratio Lower Upper
 83 100
 55 70.2 35.3 105.9
 98 48.1 24.0 72.0



Abundance Ion 83.00 (82.70 to 83.70): VX010977.D (-1026) (-)
 Ion 55.00 (54.70 to 55.70): VX010977.D (-1026) (-)
 Ion 98.00 (97.70 to 98.70): VX010977.D (-1026) (-)

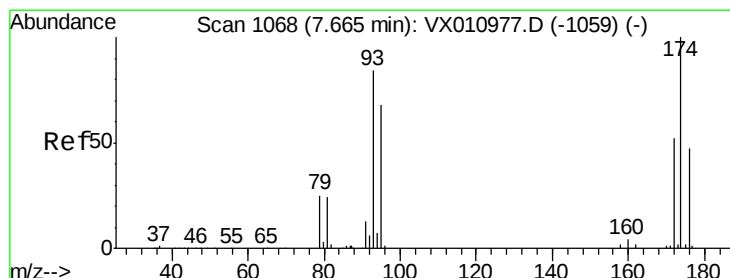
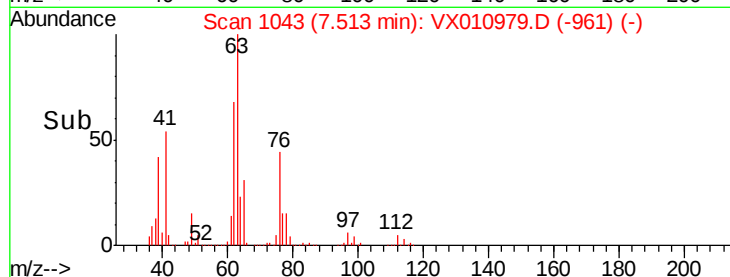
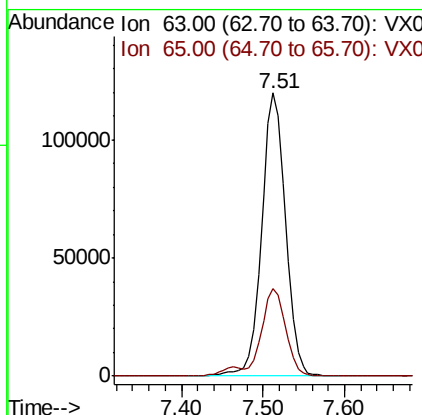
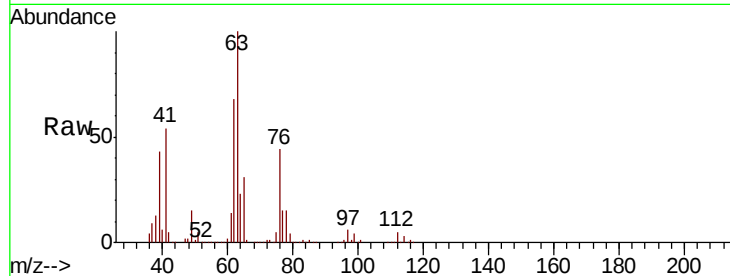




#39
 1,2-Dichloropropane
 Concen: 87.851 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

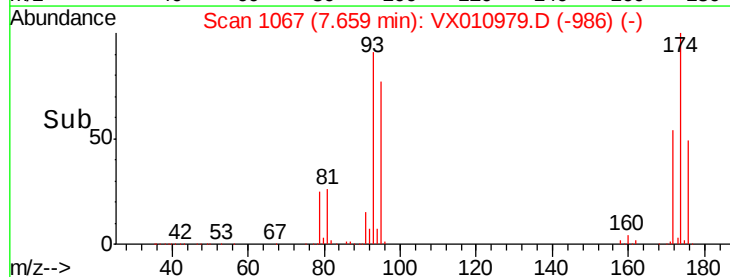
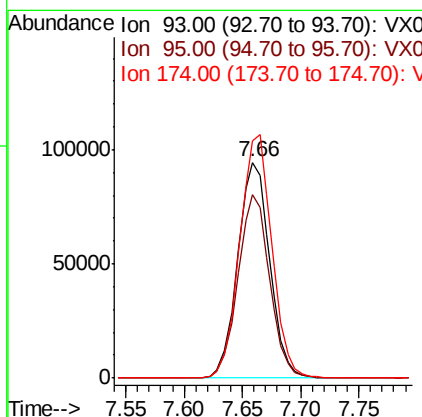
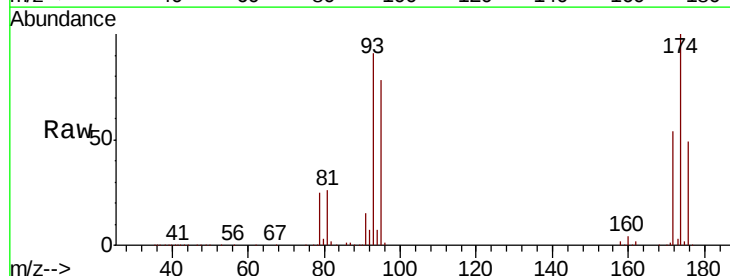
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

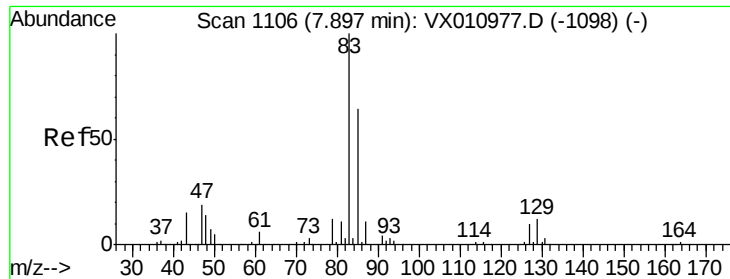
Tot Ion: 63 Resp: 244908
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4



#40
 Dibromomethane
 Concen: 109.531 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 93 Resp: 181468
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 166.0
 174 113.4 0.0 229.2





#41

Bromodichloromethane

Concen: 106.006 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

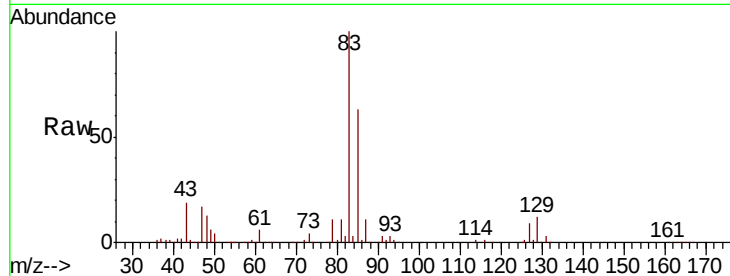
Tot Ion: 83 Resp: 348820

Ion Ratio Lower Upper

83 100

85 63.3 50.9 76.3

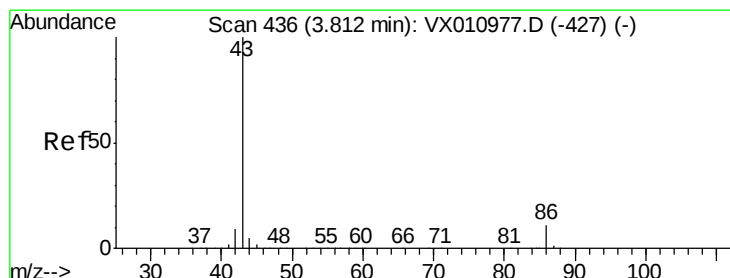
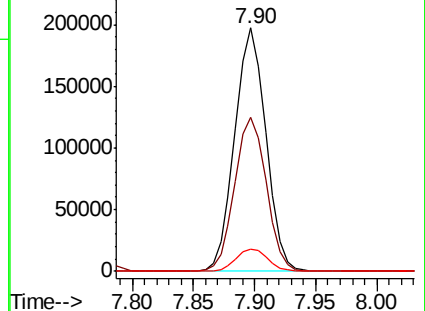
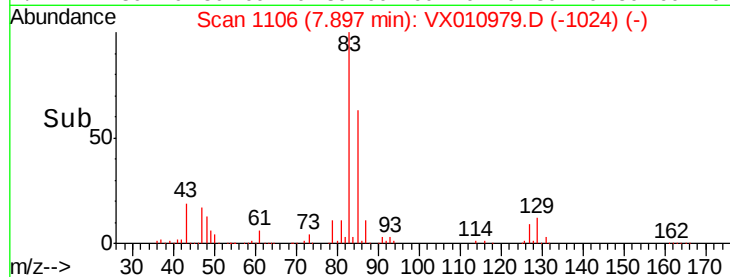
127 9.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 376.617 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010979.D

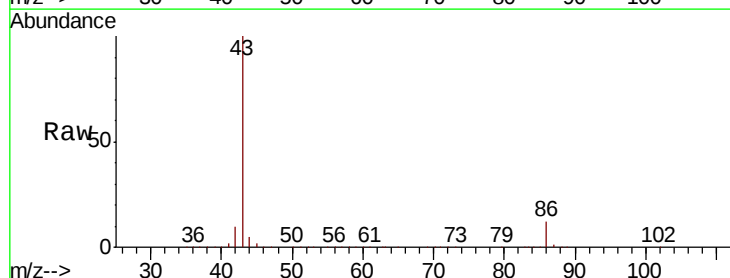
Acq: 18 Jul 2019 23:31

Tgt Ion: 43 Resp: 2976781

Ion Ratio Lower Upper

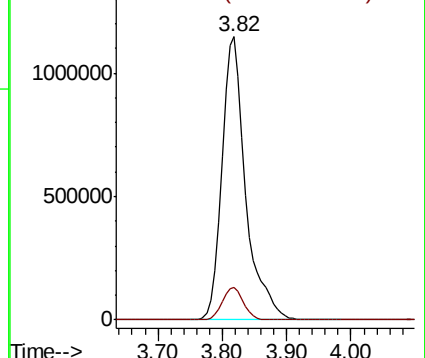
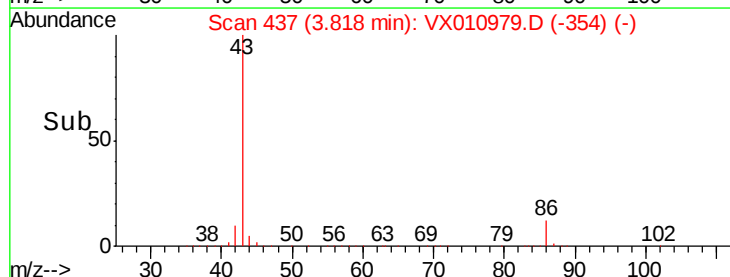
43 100

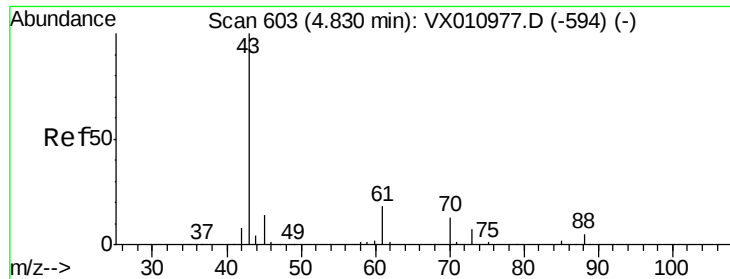
86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 78.371 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

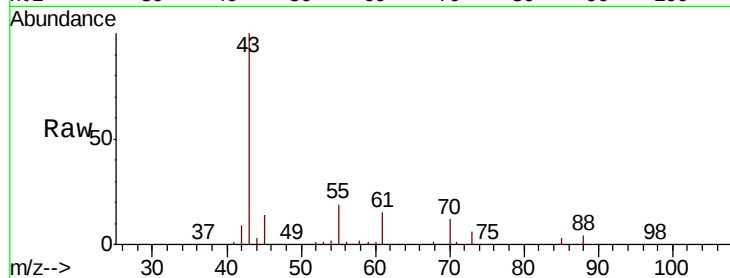
VSTDIC100

Tot Ion: 43 Resp: 340662

Ion Ratio Lower Upper

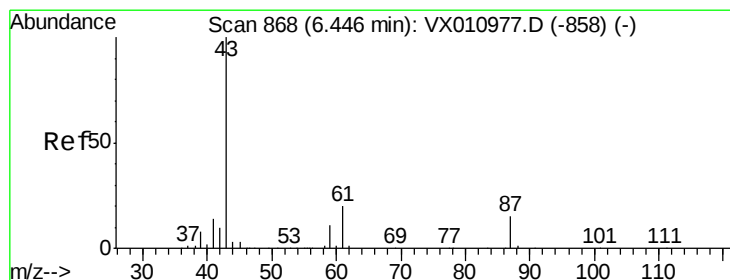
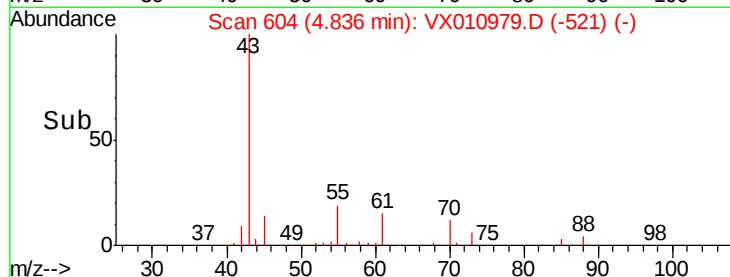
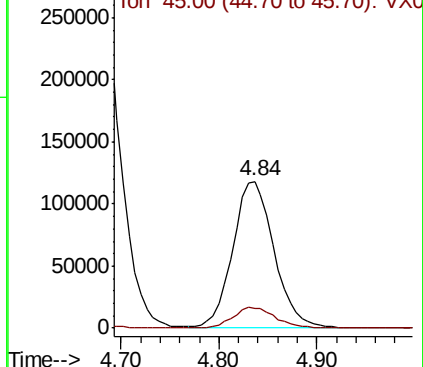
43 100

45 14.9 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 79.565 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010979.D

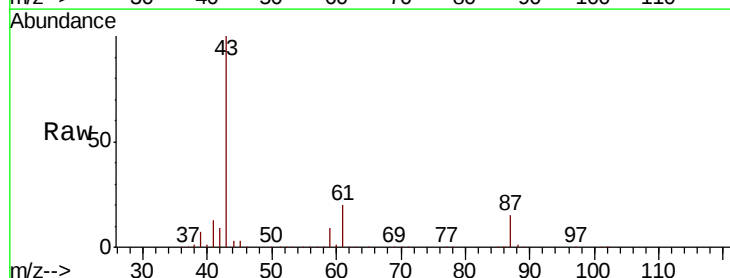
Acq: 18 Jul 2019 23:31

Tgt Ion: 43 Resp: 566780

Ion Ratio Lower Upper

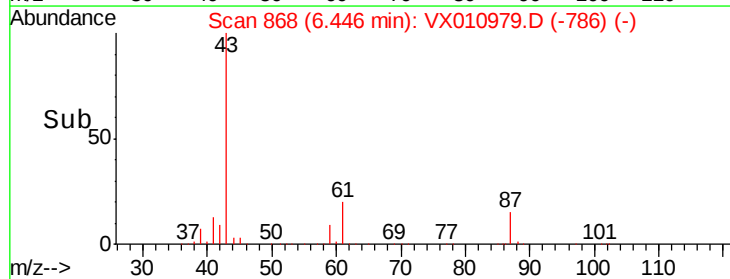
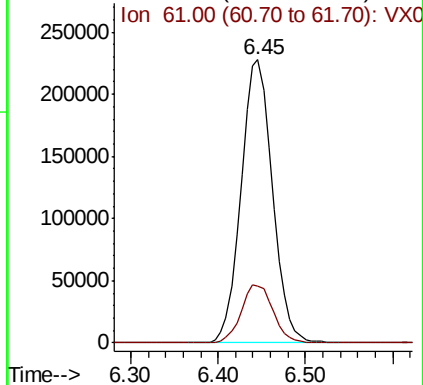
43 100

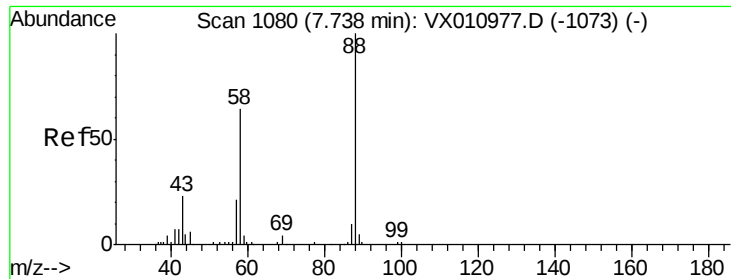
61 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

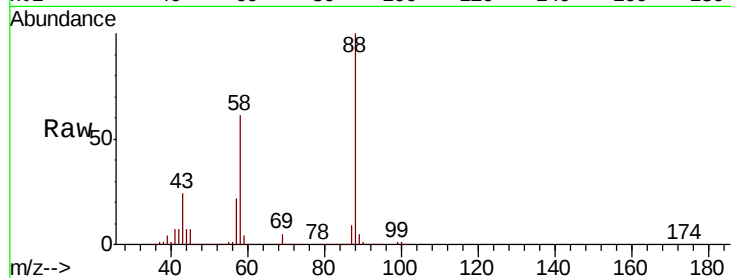




#45
1,4-Dioxane
Concen: 1885.555 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	21.6	32.4
58	63.3	52.2	78.2

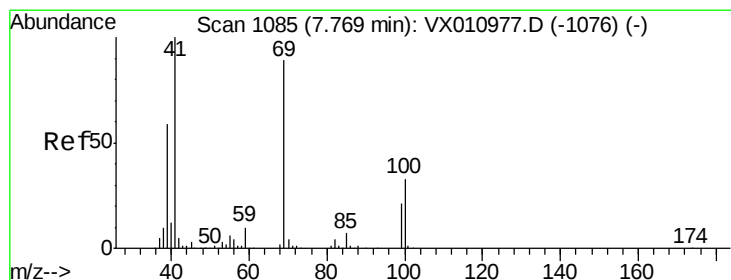
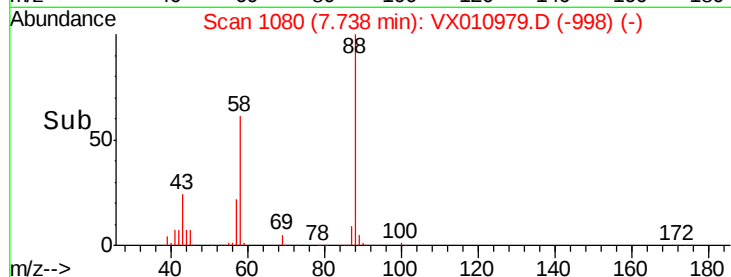
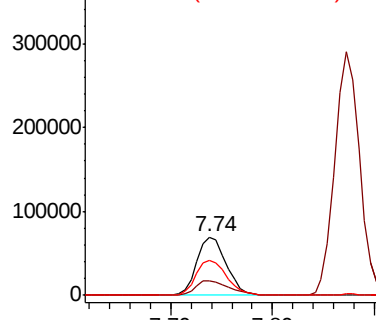


Abundance

Ion 88.00 (87.70 to 88.70): VX0

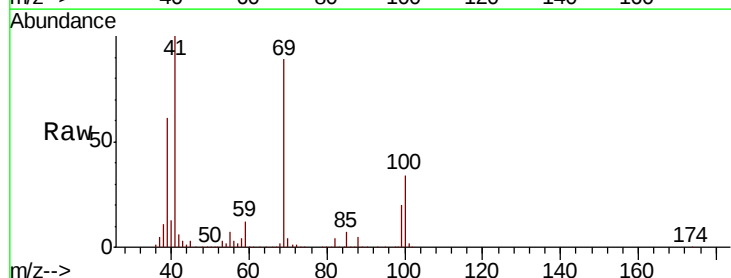
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46
Methyl methacrylate
Concen: 79.905 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	44.7	134.1
39	60.8	29.4	88.2

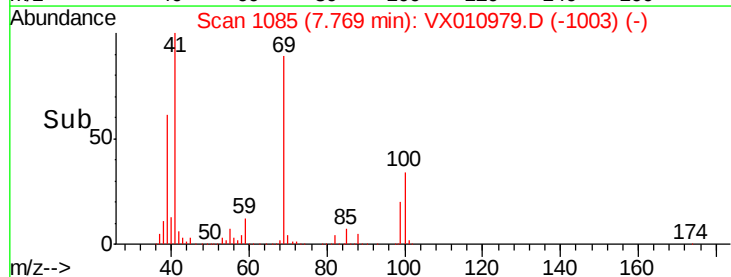
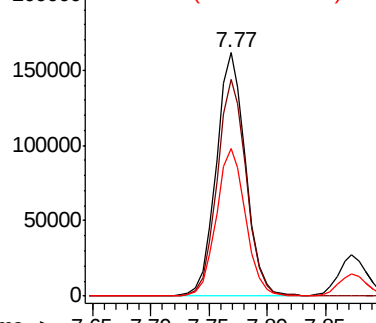


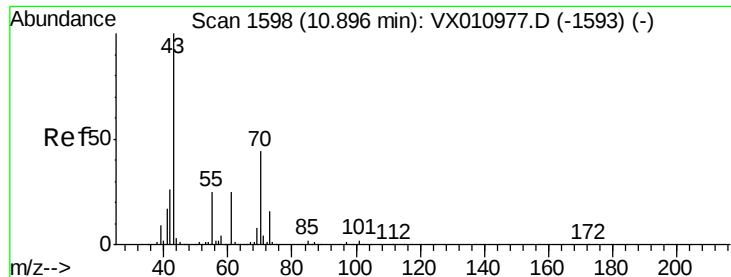
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

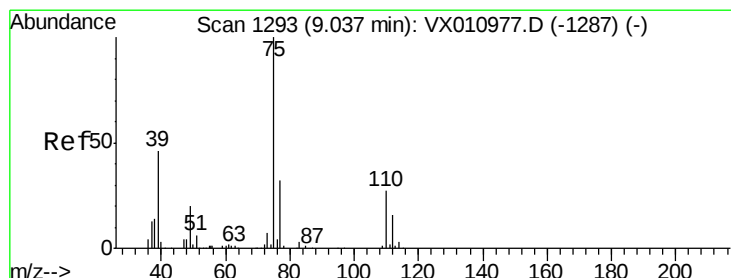
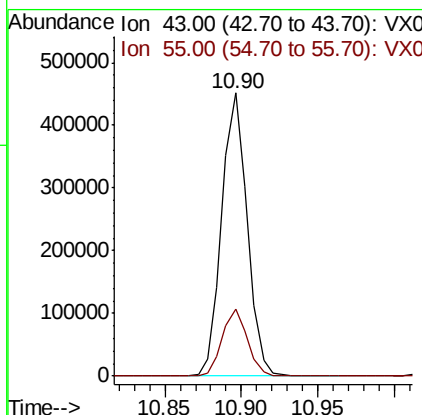
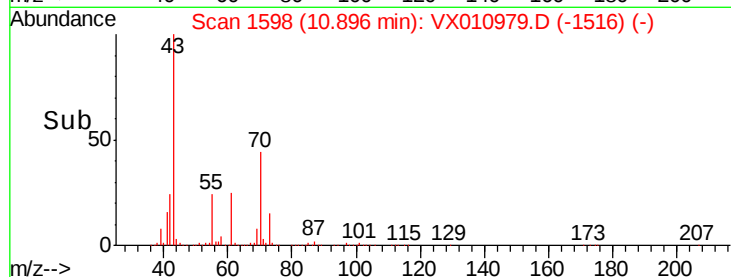
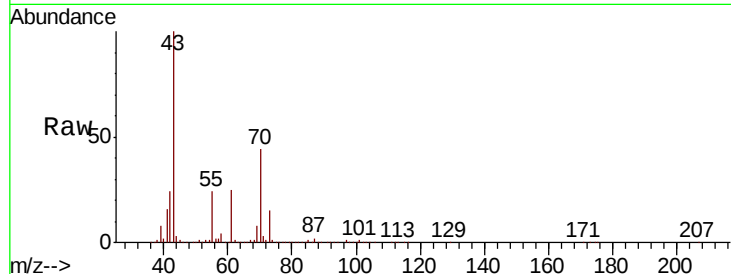




#47
n-amvl Acetate
Concen: 81.488 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

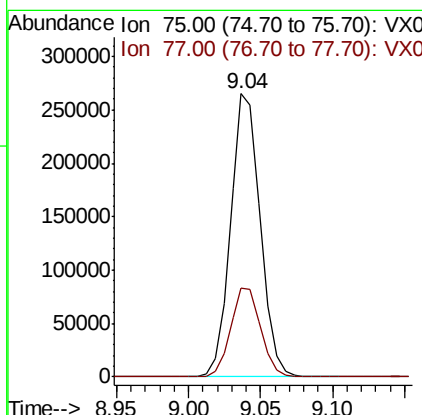
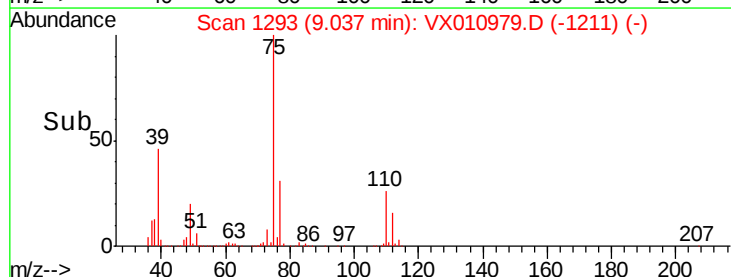
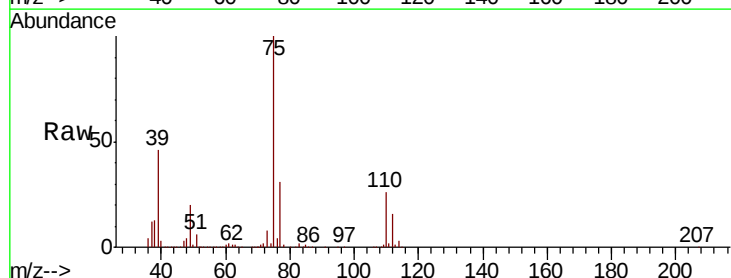
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

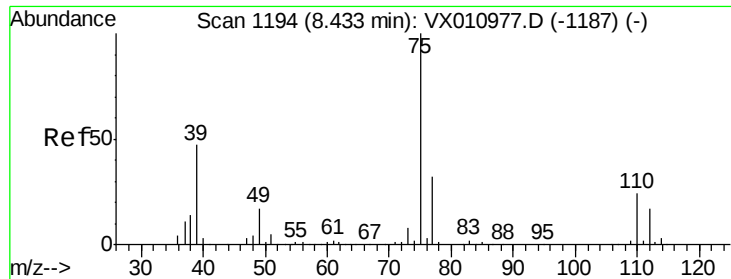
Tot Ion: 43 Resp: 522219
Ion Ratio Lower Upper
43 100
55 23.5 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 101.237 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 75 Resp: 382092
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5

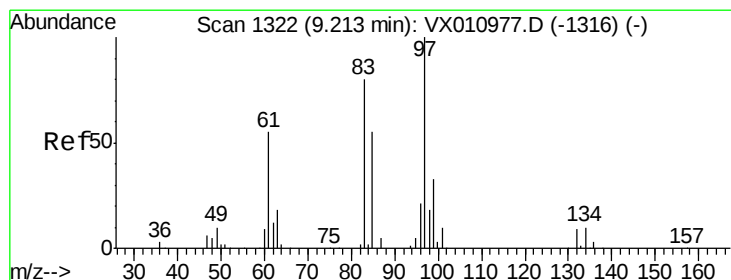
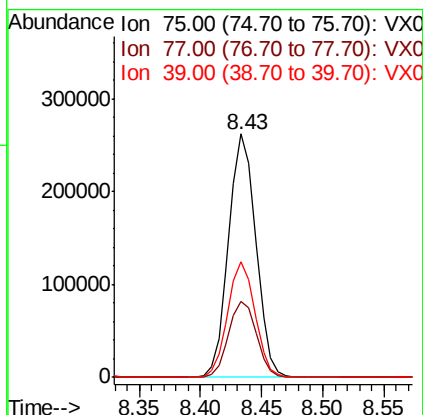
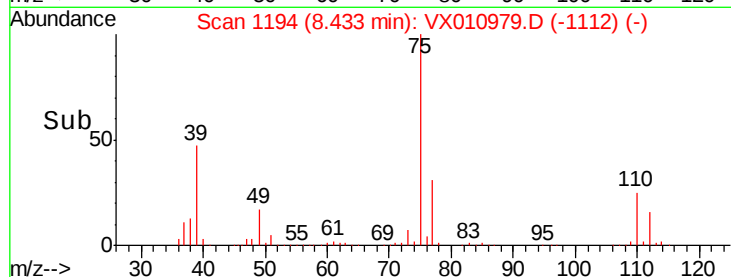
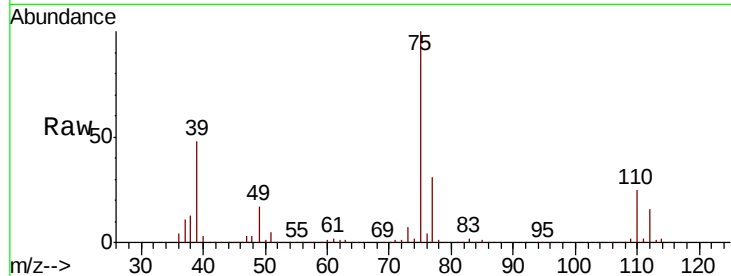




#49
 cis-1,3-Dichloropropene
 Concen: 97.731 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

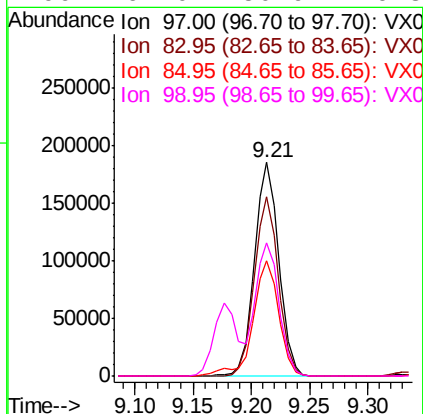
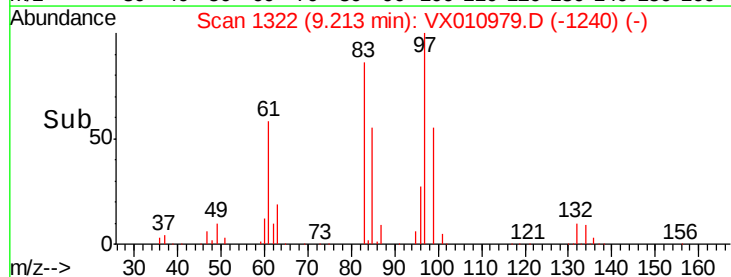
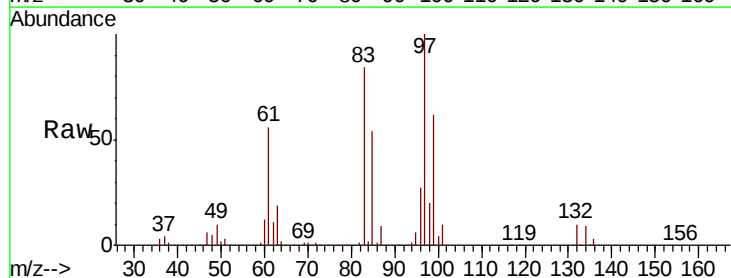
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

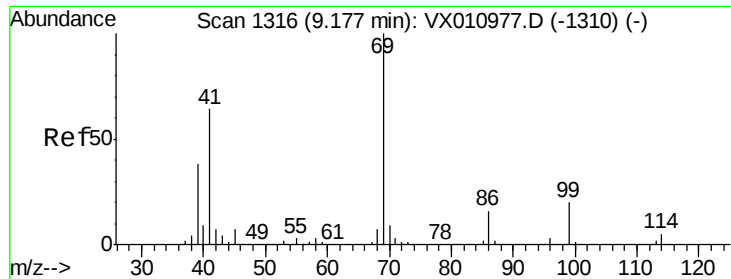
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	47.4	37.8	56.6



#50
 1,1,2-Trichloroethane
 Concen: 107.048 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	63.9	95.9
85	54.1	43.4	65.2
99	62.0	50.9	76.3

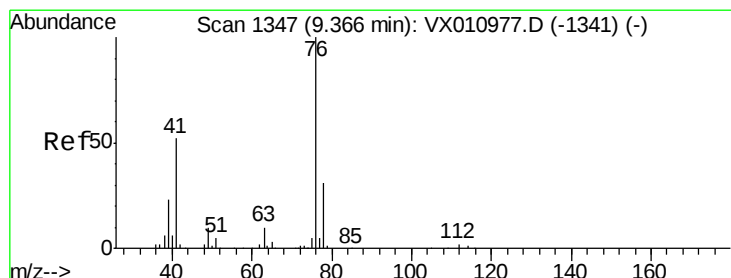
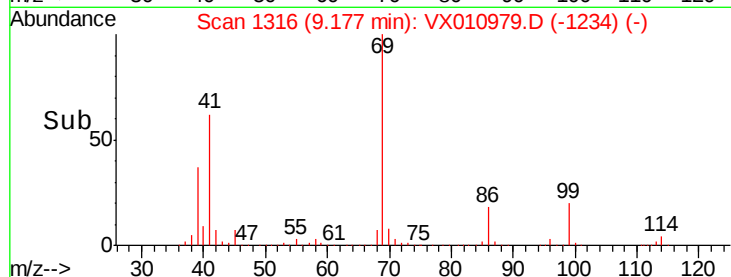
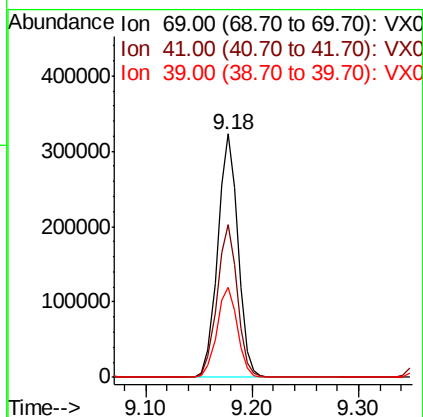
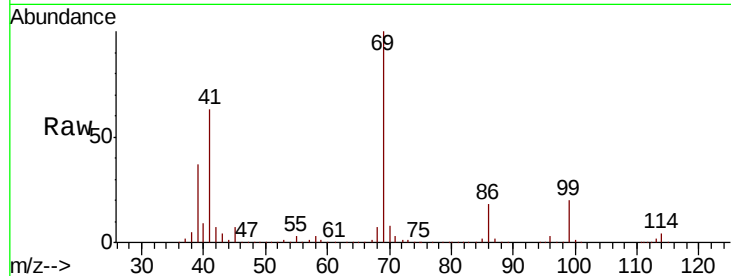




#51
Ethyl methacrylate
Concen: 95.077 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

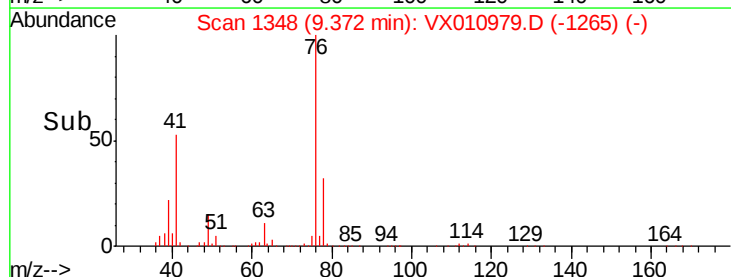
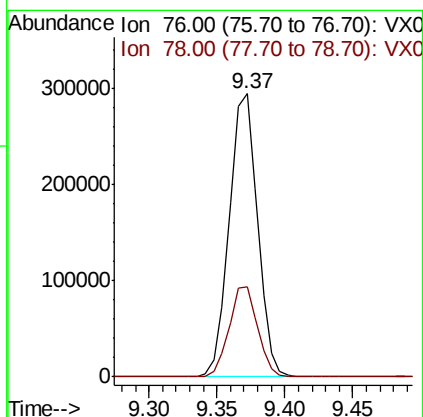
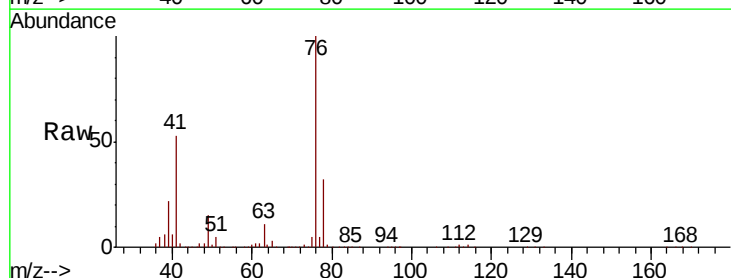
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

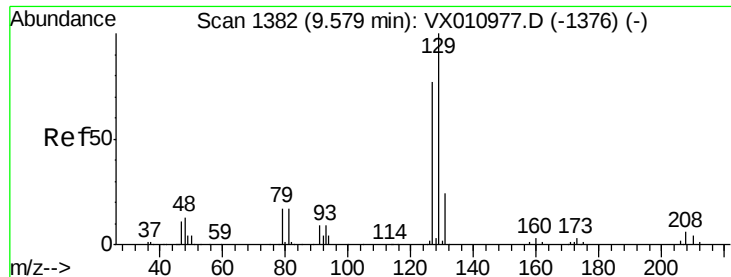
Tot Ion: 69 Resp: 426550
Ion Ratio Lower Upper
69 100
41 62.5 32.1 96.3
39 36.9 19.1 57.3



#52
1,3-Dichloropropane
Concen: 97.341 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 76 Resp: 426723
Ion Ratio Lower Upper
76 100
78 31.9 0.0 63.8





#53

Dibromochloromethane

Concen: 124.010 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

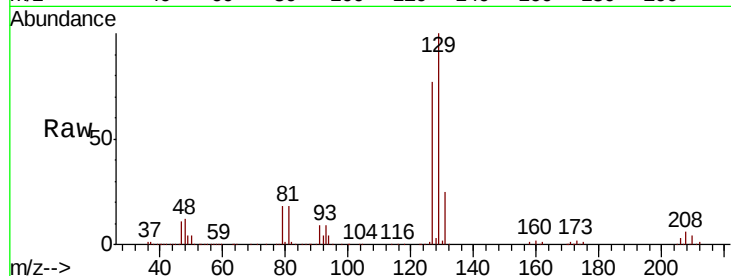
VSTDIC100

Tot Ion:129 Resp: 313973

Ion Ratio Lower Upper

129 100

127 76.4 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

250000

200000

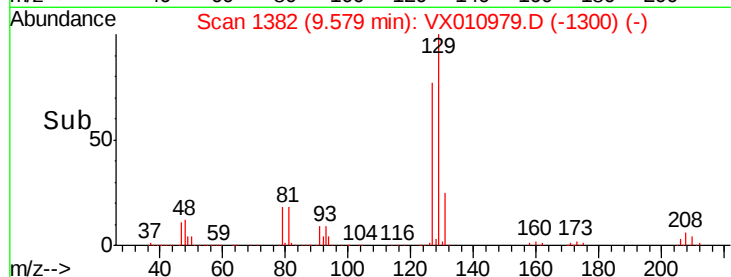
150000

100000

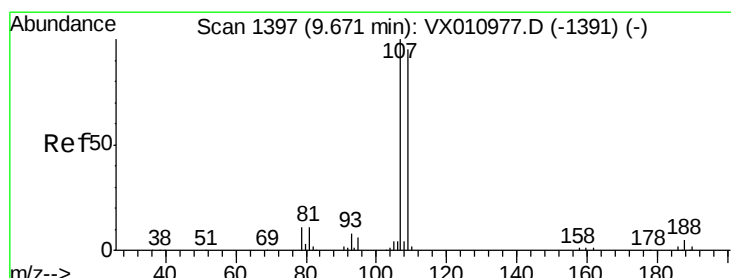
50000

0

9.50 9.55 9.60 9.65



Time-->



#54

1,2-Dibromoethane

Concen: 114.089 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010979.D

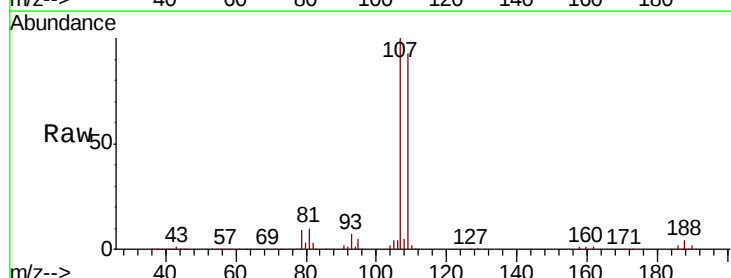
Acq: 18 Jul 2019 23:31

Tgt Ion:107 Resp: 297399

Ion Ratio Lower Upper

107 100

109 94.0 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

250000

200000

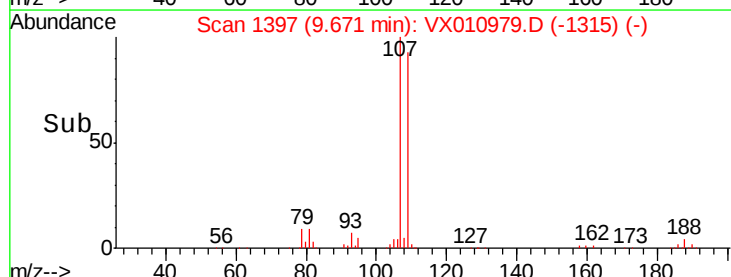
150000

100000

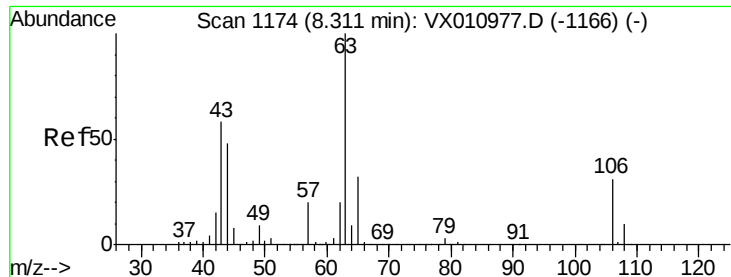
50000

0

9.60 9.65 9.70 9.75



Time-->



#55

2-Chloroethyl vinyl ether

Concen: 374.477 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

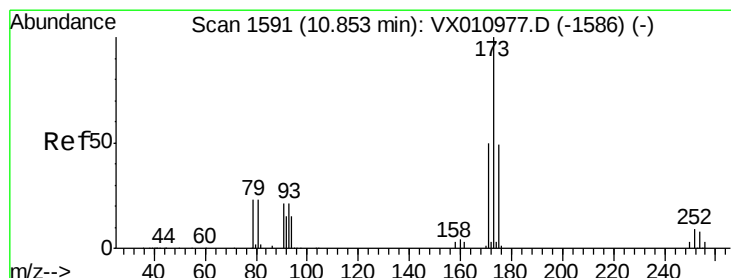
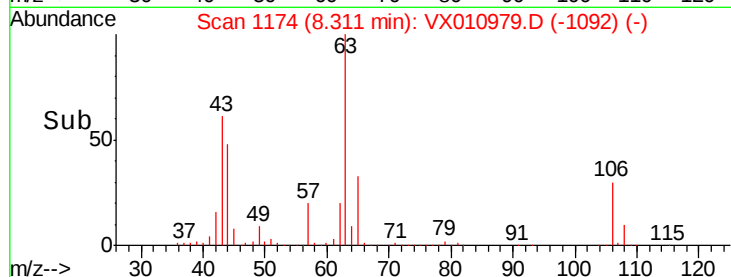
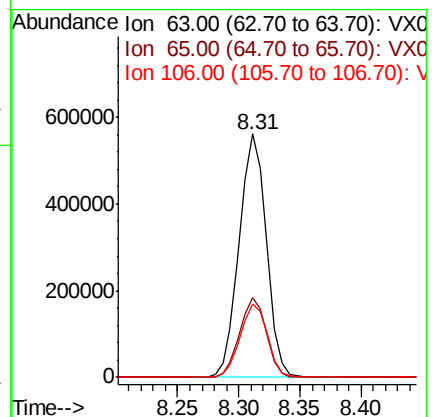
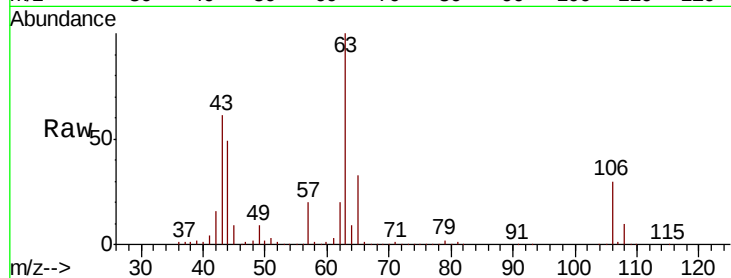
Tot Ion: 63 Resp: 858673

Ion Ratio Lower Upper

63 100

65 32.3 25.7 38.5

106 30.2 24.8 37.2



#56

Bromoform

Concen: 125.726 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

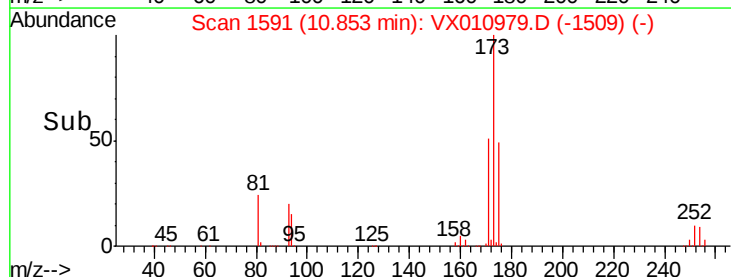
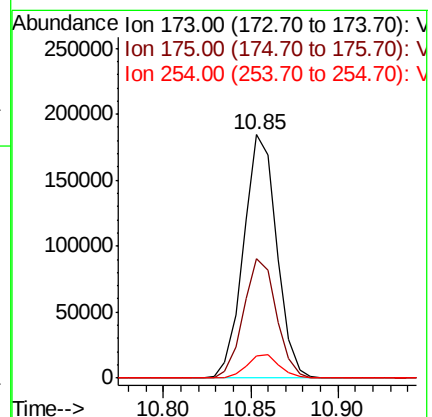
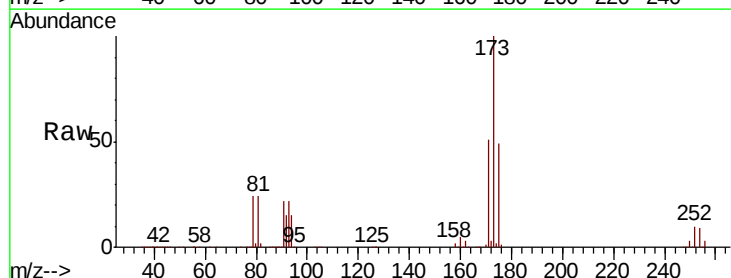
Tgt Ion: 173 Resp: 242346

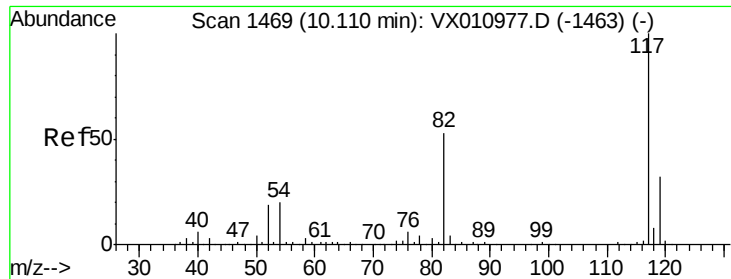
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 9.7 7.9 11.9

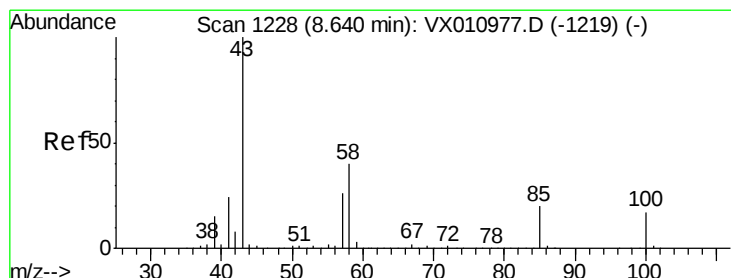
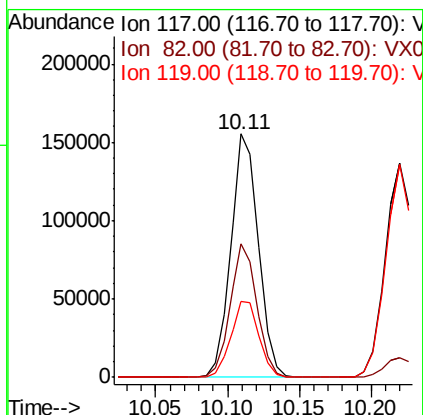
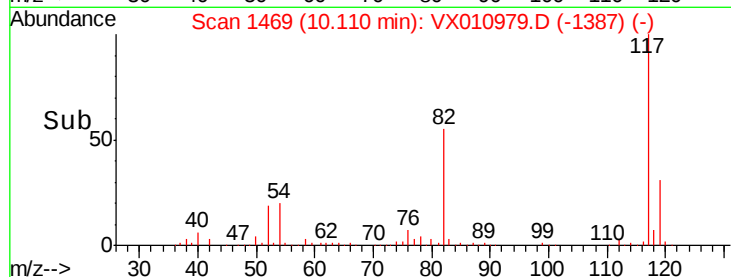
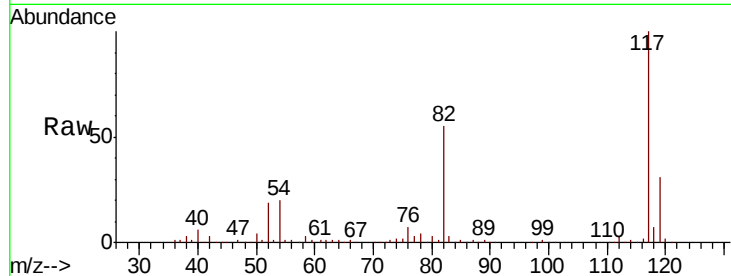




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

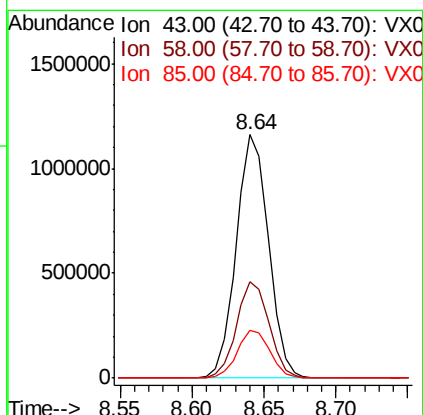
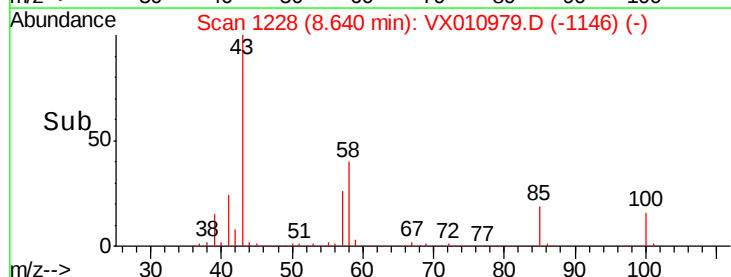
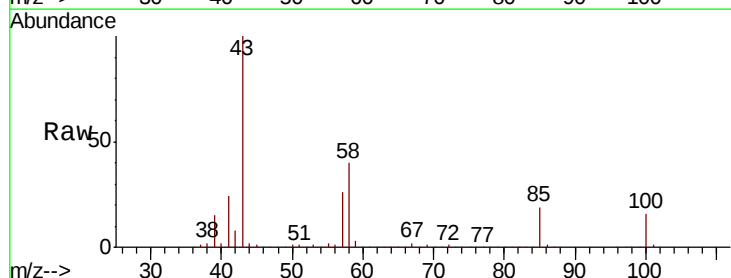
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

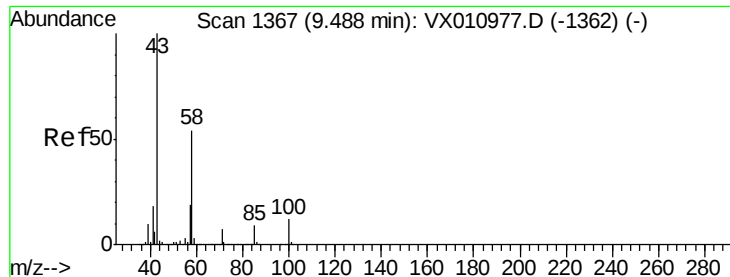
Tot Ion:117 Resp: 208531
Ion Ratio Lower Upper
117 100
82 53.1 41.6 62.4
119 31.8 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 376.385 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 43 Resp: 1810791
Ion Ratio Lower Upper
43 100
58 40.0 32.6 48.8
85 19.9 15.8 23.6

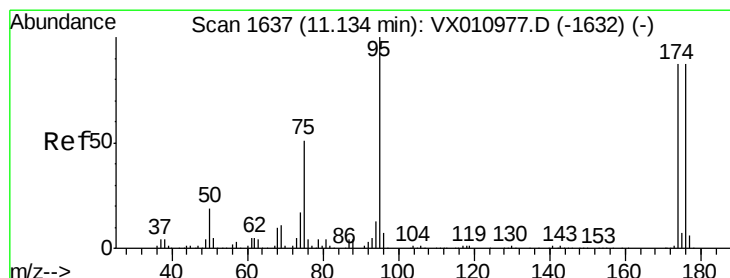
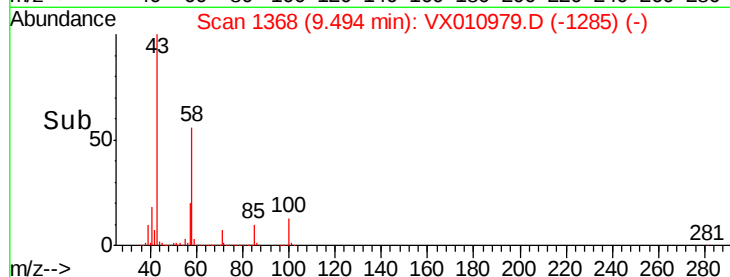
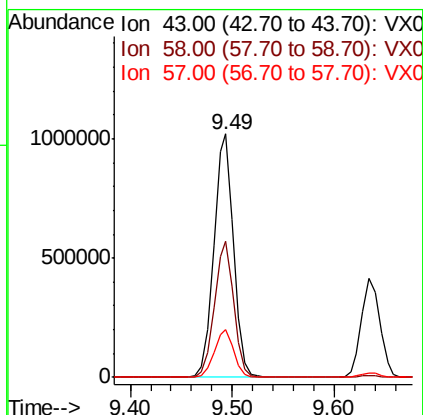
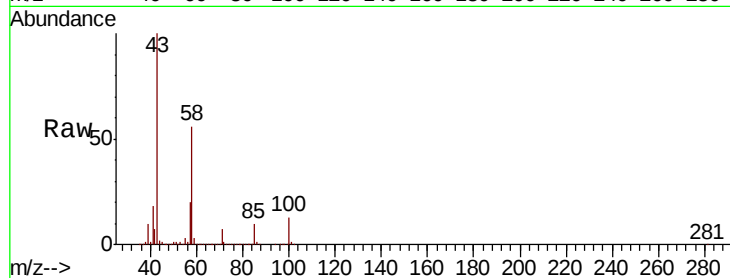




#59
2-Hexanone
Concen: 366.197 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

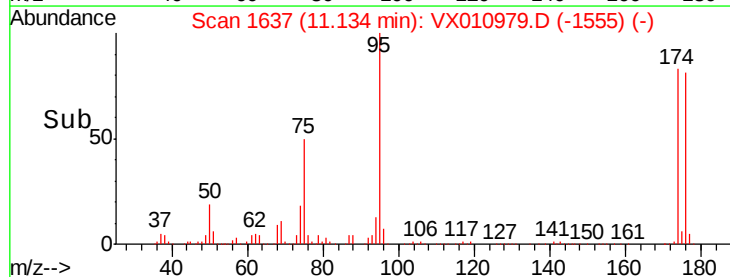
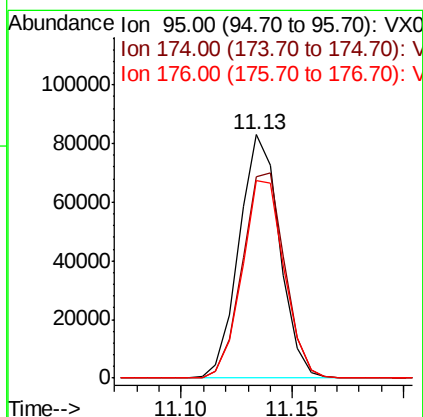
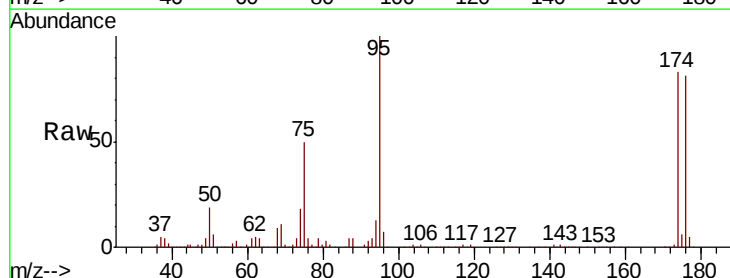
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

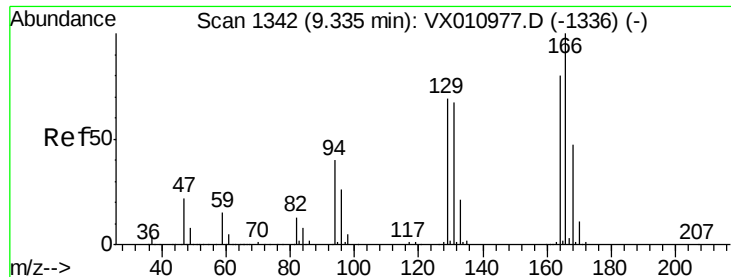
Tot Ion: 43 Resp: 1376090
Ion Ratio Lower Upper
43 100
58 55.1 44.7 67.1
57 19.4 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 30.283 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 95 Resp: 105663
Ion Ratio Lower Upper
95 100
174 88.1 73.3 109.9
176 84.5 71.2 106.8





#61

Tetrachloroethene

Concen: 112.601 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 270584

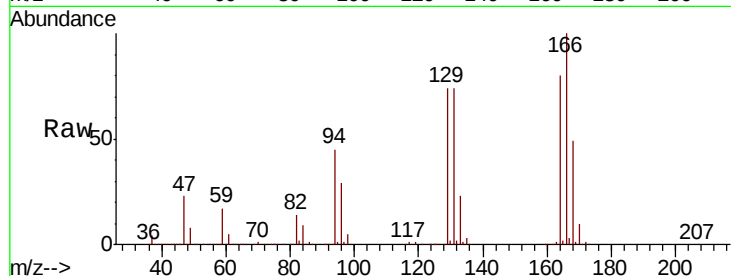
Ion Ratio Lower Upper

164 100

166 124.8 100.1 150.1

129 92.4 69.6 104.4

131 91.9 67.0 100.6

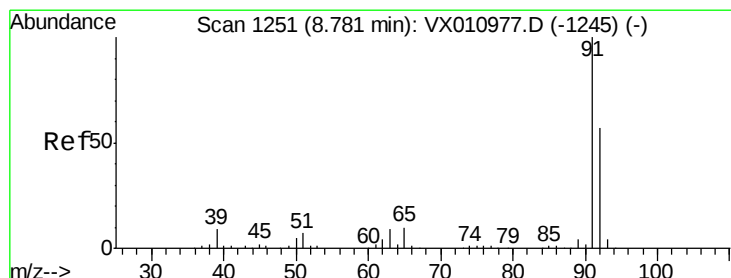
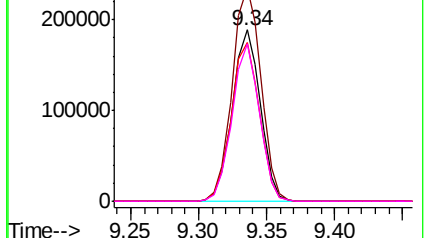
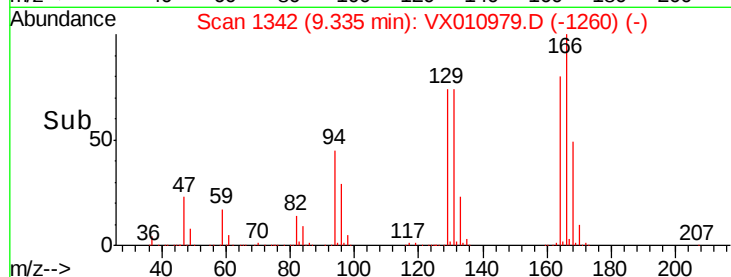


Abundance Ion 163.85 (163.55 to 164.55): V

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: 100.922 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010979.D

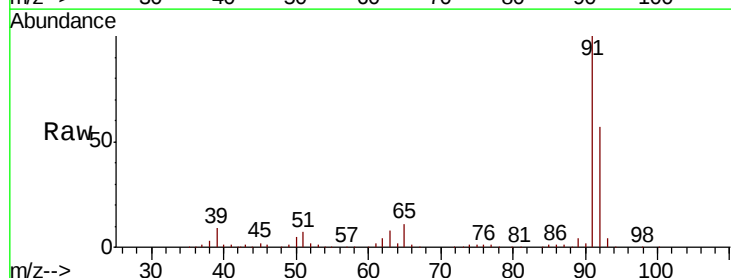
Acq: 18 Jul 2019 23:31

Tgt Ion: 91 Resp: 1122520

Ion Ratio Lower Upper

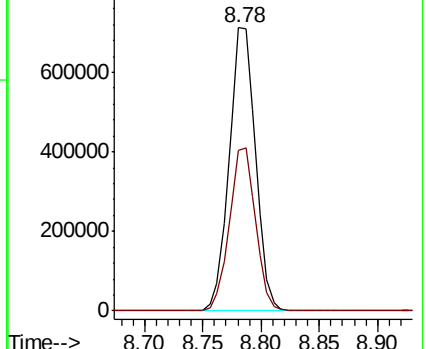
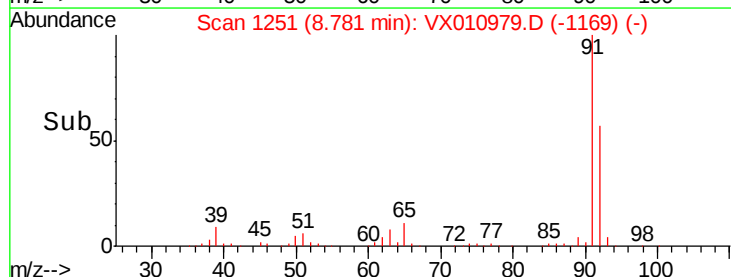
91 100

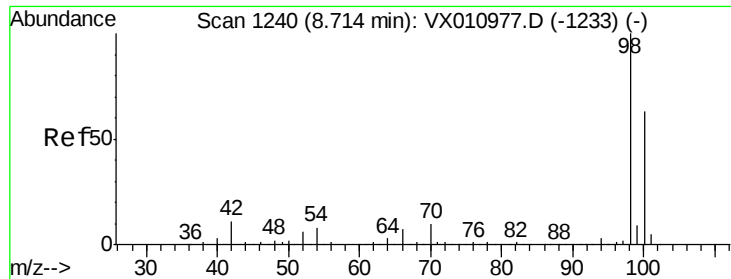
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

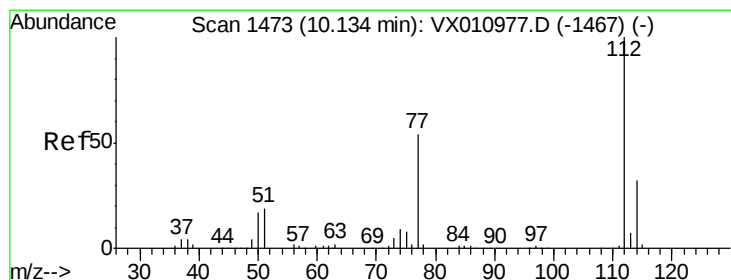
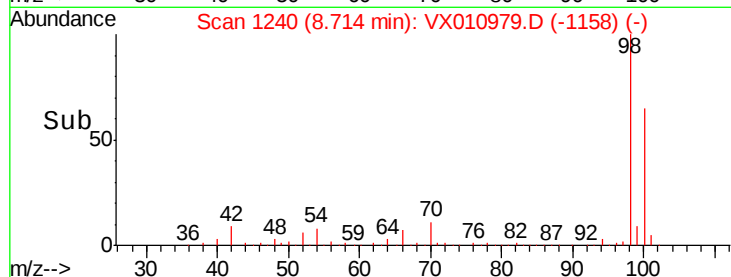
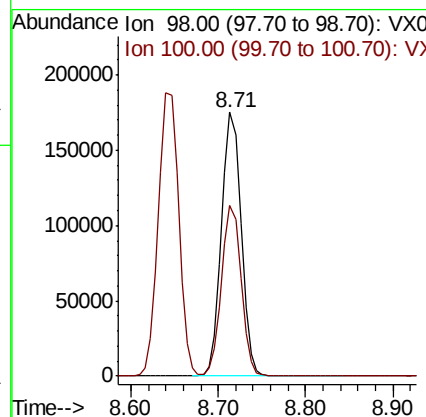
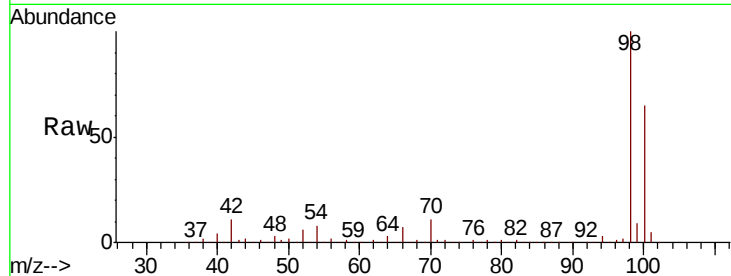




#63
Toluene-d8
Concen: 28.127 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

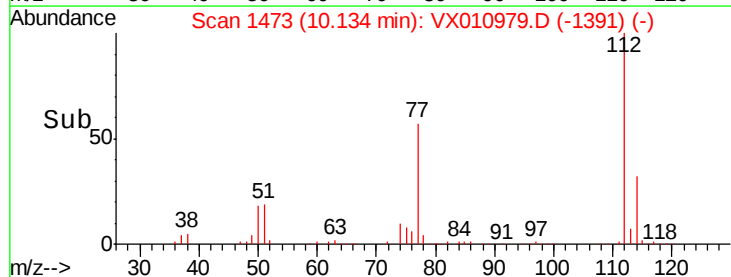
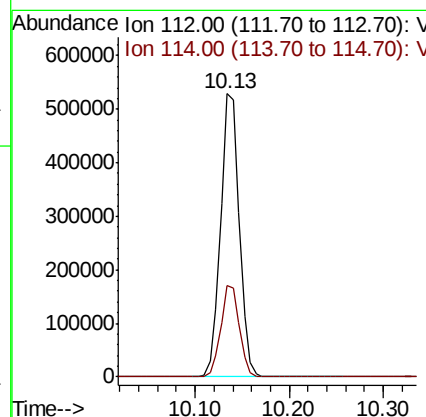
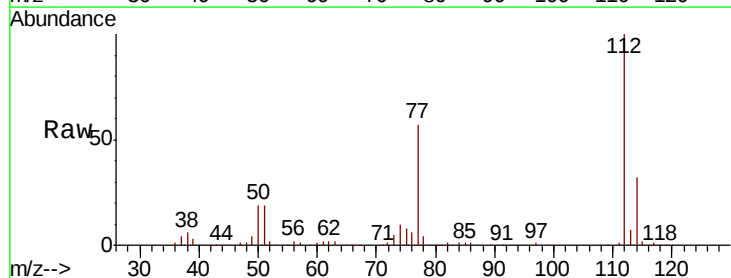
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

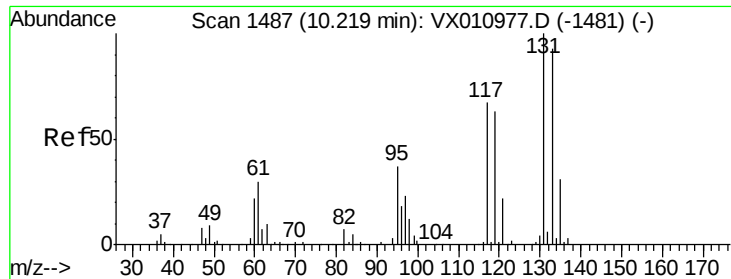
Tot Ion: 98 Resp: 273665
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#64
Chlorobenzene
Concen: 107.181 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 112 Resp: 727675
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

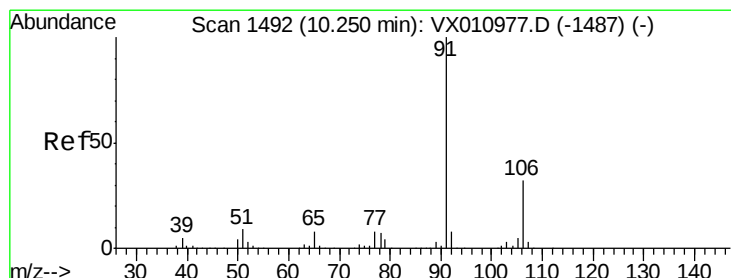
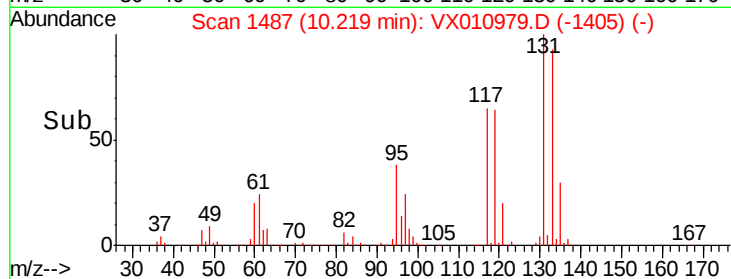
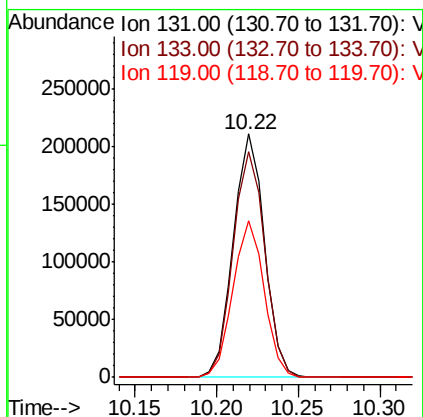
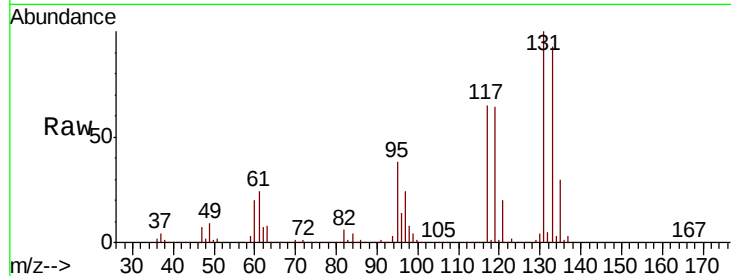




#65
 1,1,1,2-Tetrachloroethane
 Concen: 113.503 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

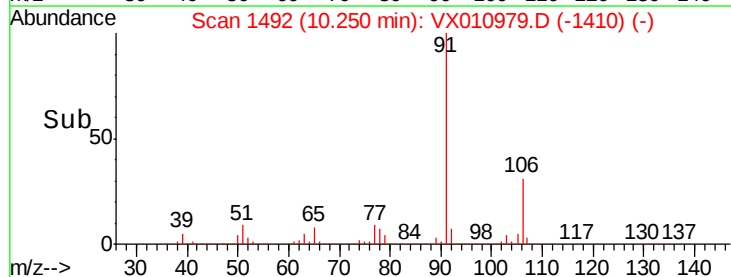
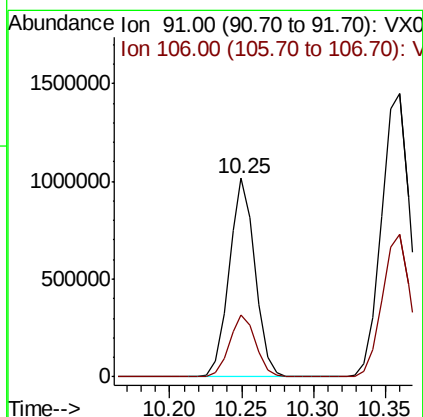
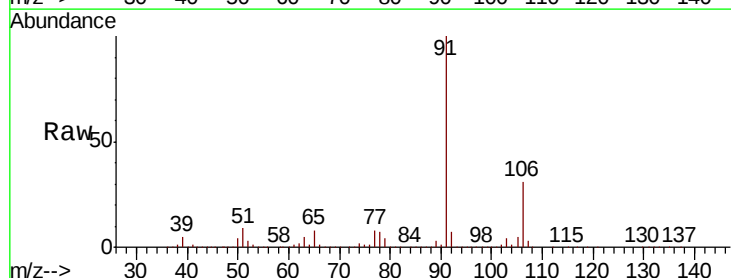
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

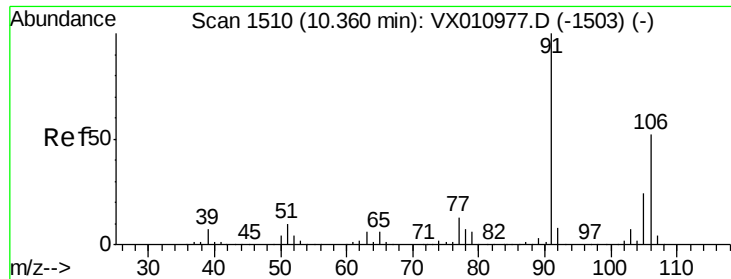
Tot Ion:131 Resp: 281222
 Ion Ratio Lower Upper
 131 100
 133 94.9 0.0 190.2
 119 64.4 0.0 127.0



#66
 Ethyl Benzene
 Concen: 103.170 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 91 Resp: 1280837
 Ion Ratio Lower Upper
 91 100
 106 31.1 25.8 38.8





#67

m/p-Xvlenes

Concen: 213.858 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

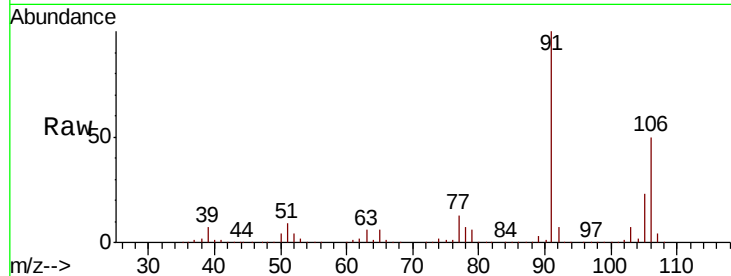
VSTDIC100

Tot Ion:106 Resp: 982794

Ion Ratio Lower Upper

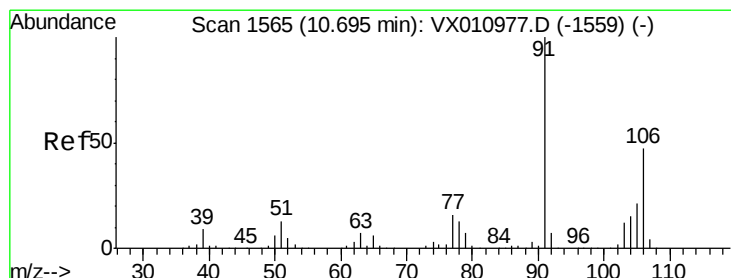
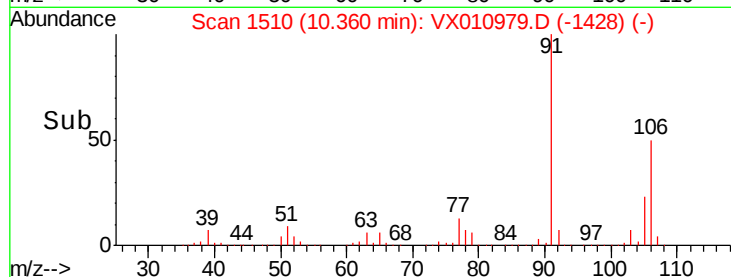
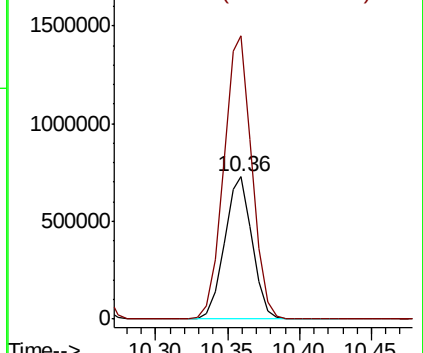
106 100

91 201.1 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 105.913 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX010979.D

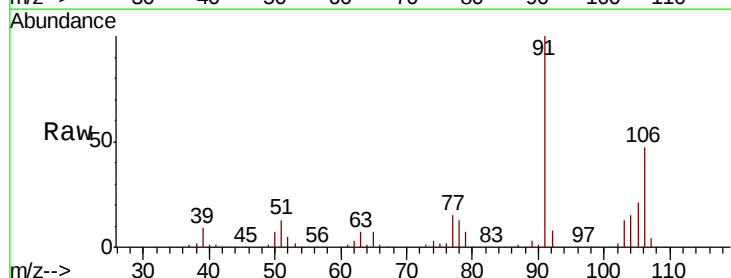
Acq: 18 Jul 2019 23:31

Tgt Ion:106 Resp: 477768

Ion Ratio Lower Upper

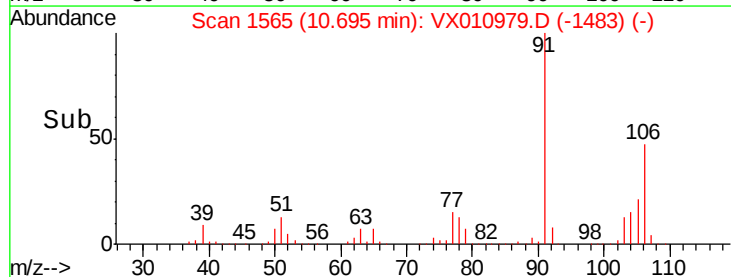
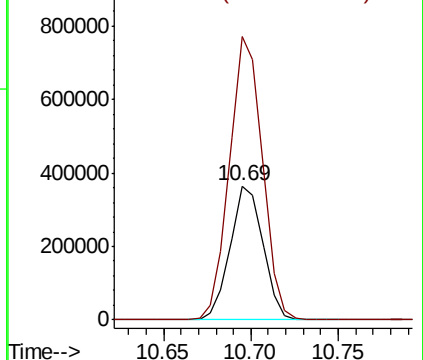
106 100

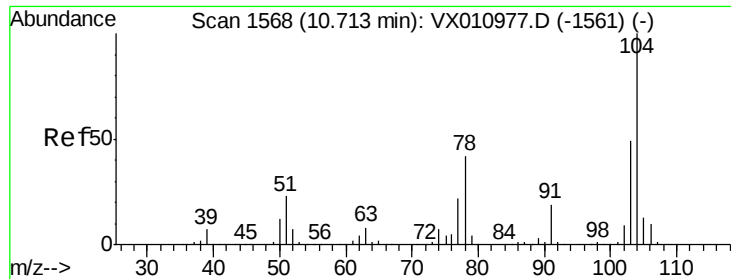
91 211.6 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

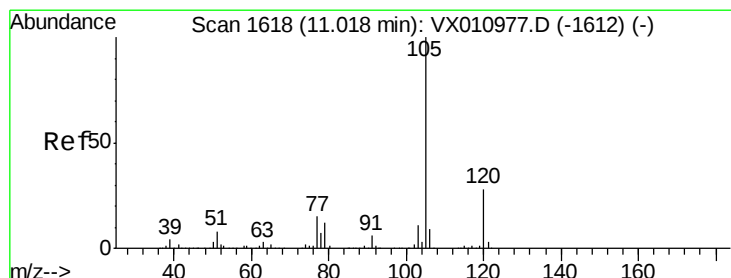
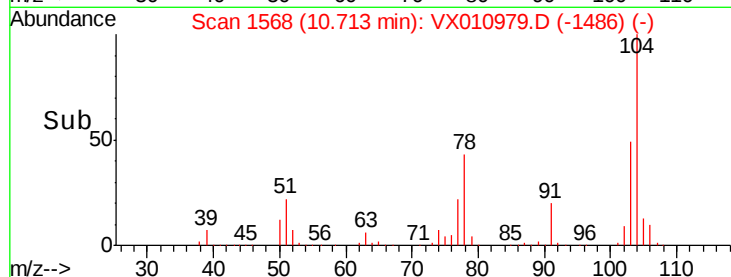
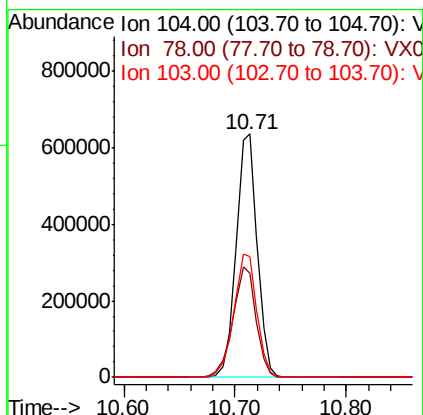
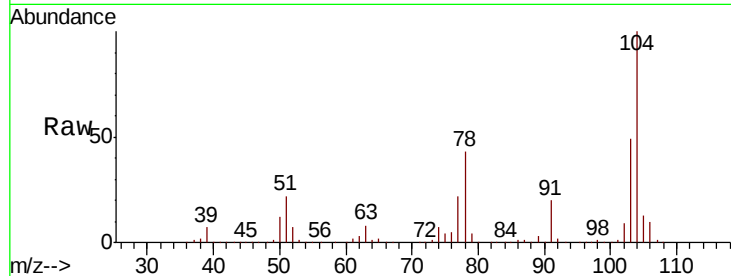




#69
Stvrene
Concen: 106.042 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

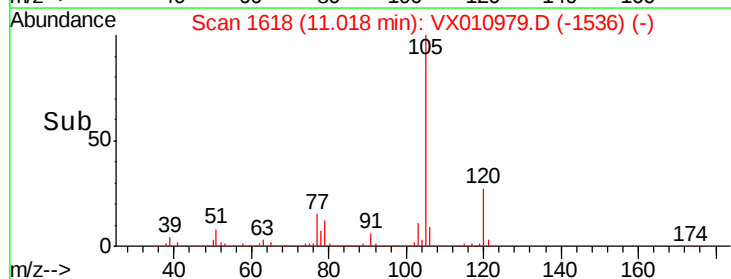
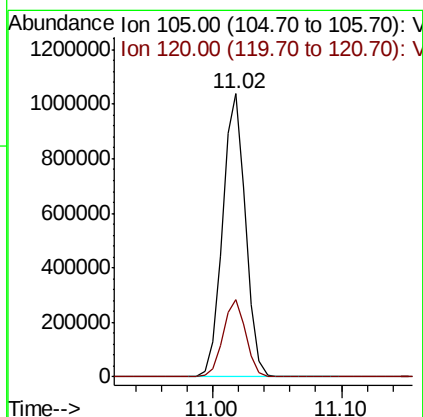
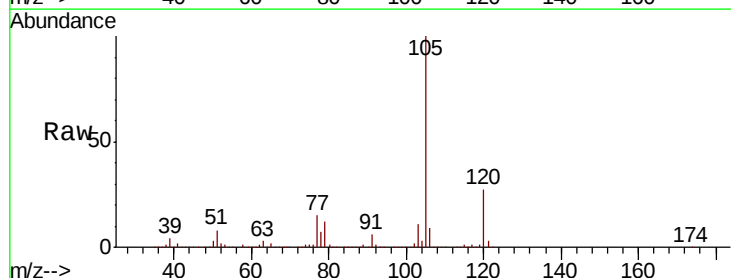
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

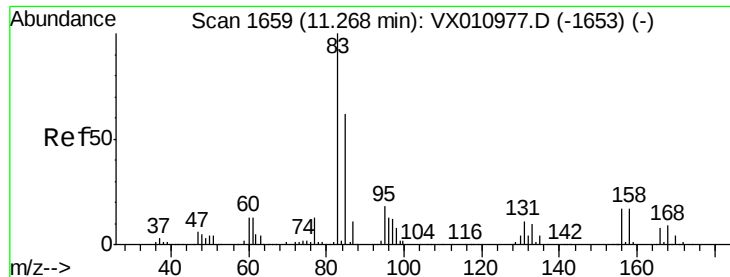
Tot Ion:104 Resp: 829957
Ion Ratio Lower Upper
104 100
78 49.9 38.5 57.7
103 55.3 44.6 67.0



#70
Isopropylbenzene
Concen: 107.974 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion:105 Resp: 1300805
Ion Ratio Lower Upper
105 100
120 27.1 19.4 36.0

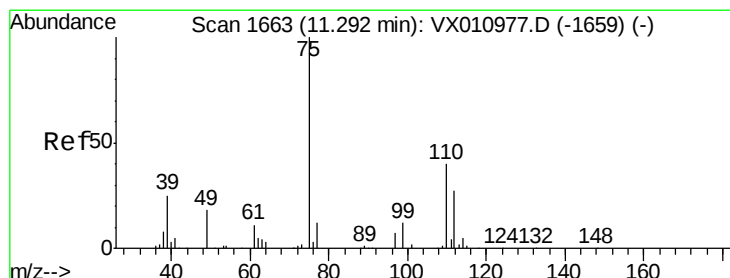
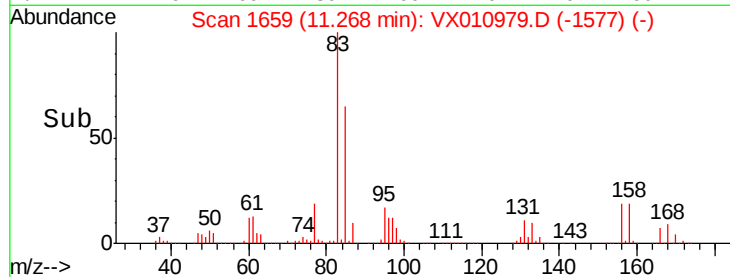
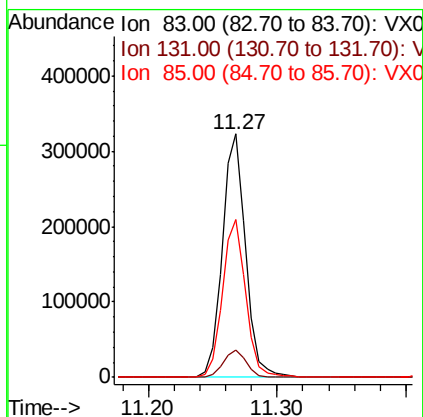
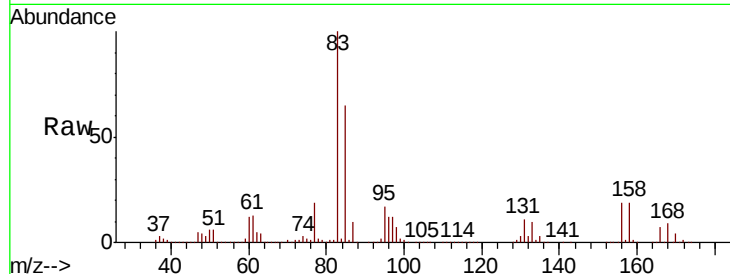




#71
 1,1,2,2-Tetrachloroethane
 Concen: 94.850 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

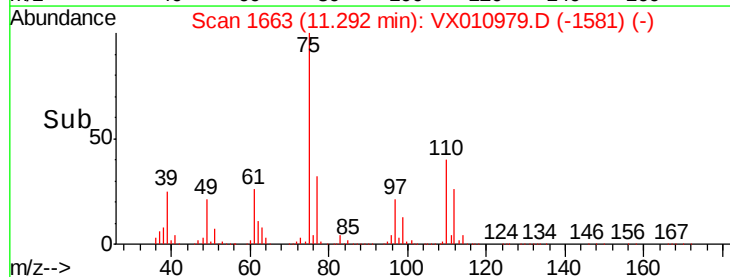
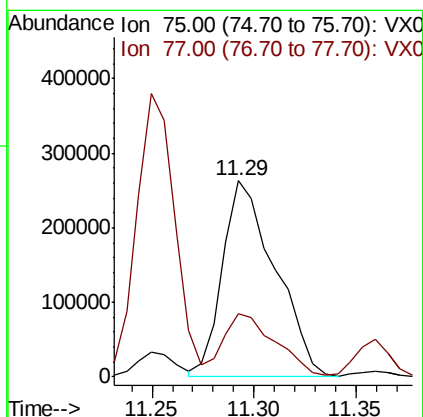
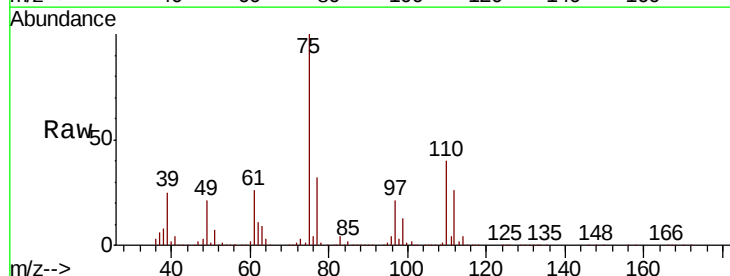
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

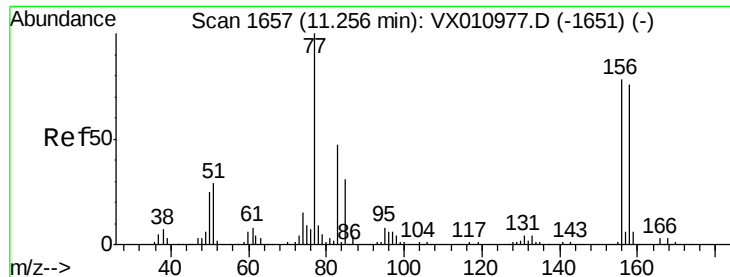
Tot Ion: 83 Resp: 410162
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.5 16.4
 85 65.4 32.1 96.3



#72
 1,2,3-Trichloropropane
 Concen: 127.792 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 75 Resp: 470329
 Ion Ratio Lower Upper
 75 100
 77 32.1 0.0 84.0





#73

Bromobenzene

Concen: 114.173 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

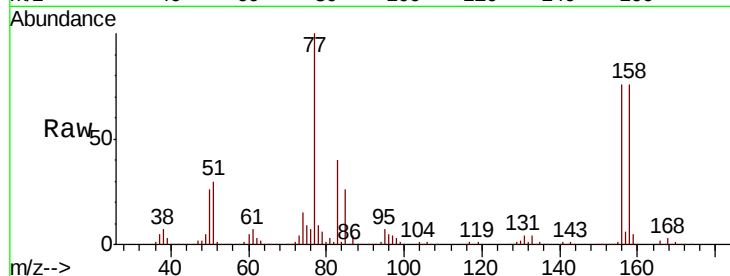
Tot Ion:156 Resp: 346593

Ion Ratio Lower Upper

156 100

77 142.0 0.0 275.8

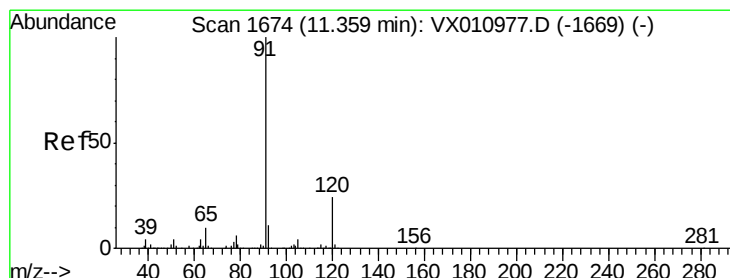
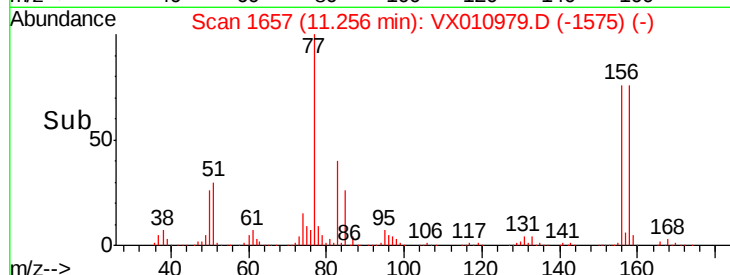
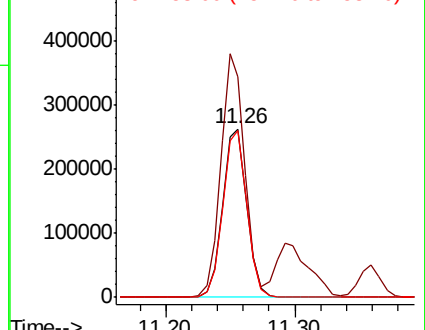
158 98.4 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 106.774 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010979.D

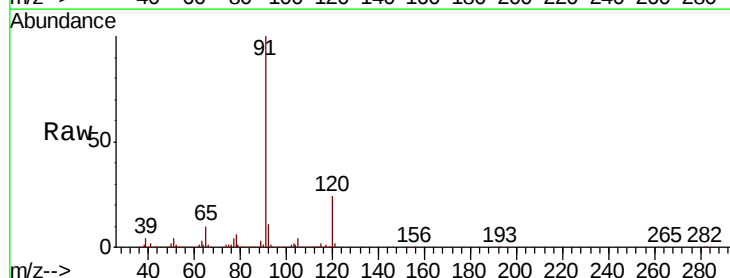
Acq: 18 Jul 2019 23:31

Tgt Ion: 91 Resp: 1483106

Ion Ratio Lower Upper

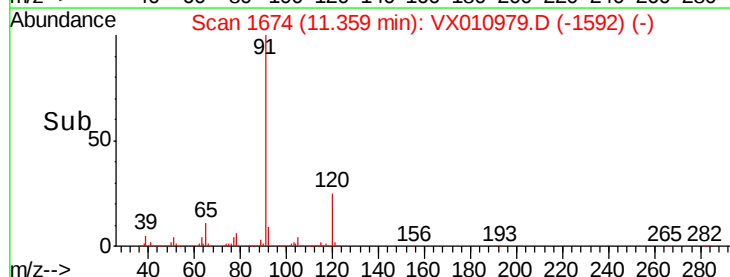
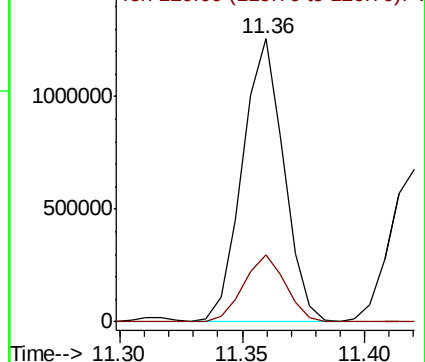
91 100

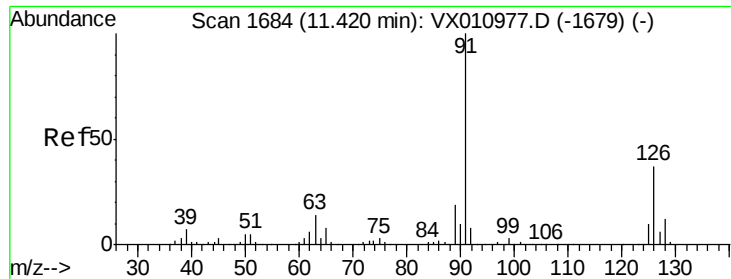
120 23.8 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 103.927 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

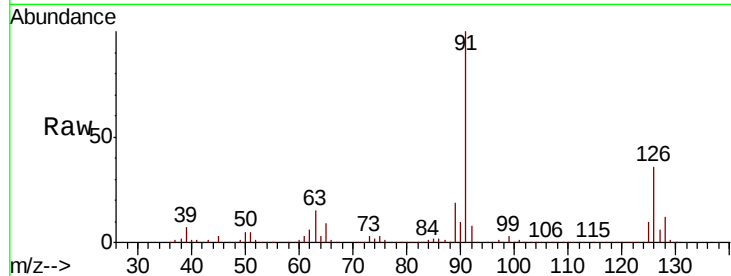
VSTDIC100

Tot Ion: 91 Resp: 863564

Ion Ratio Lower Upper

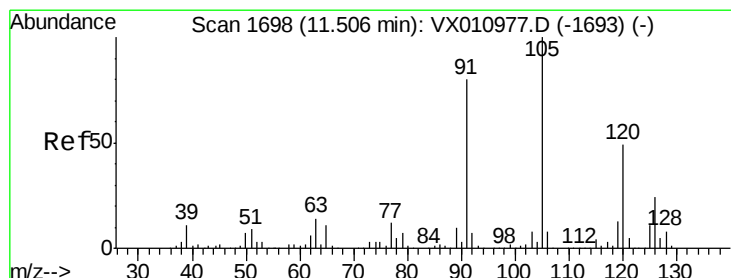
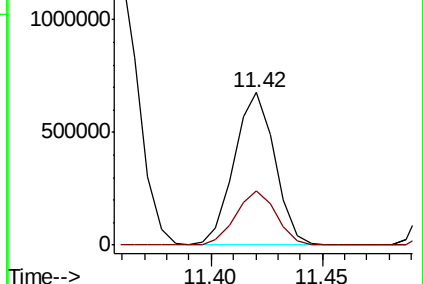
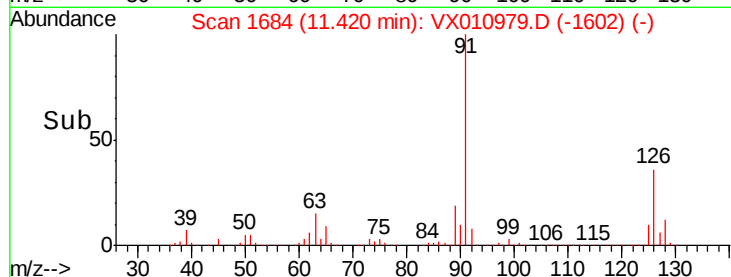
91 100

126 35.6 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VX010977.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX010977.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 107.542 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010979.D

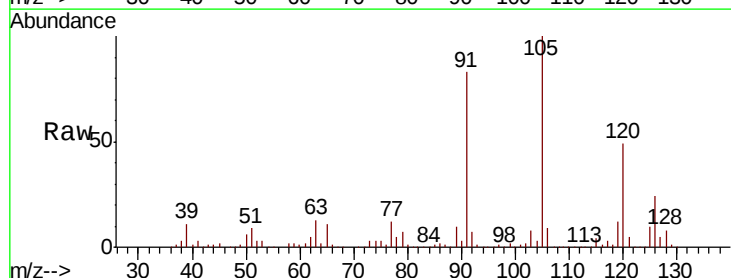
Acq: 18 Jul 2019 23:31

Tgt Ion:105 Resp: 1100042

Ion Ratio Lower Upper

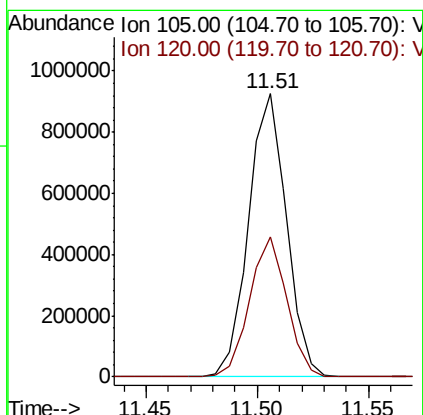
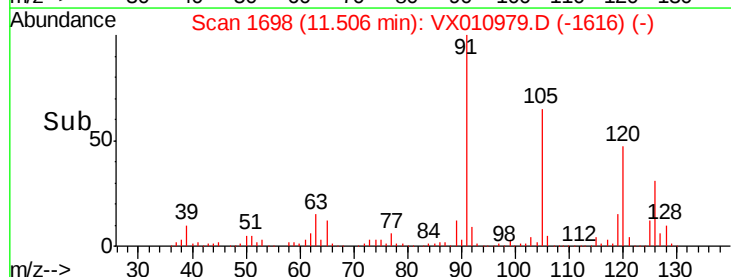
105 100

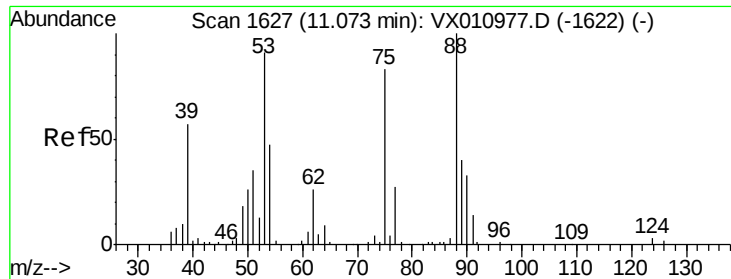
120 48.5 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX010977.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX010977.D (-1693) (-)

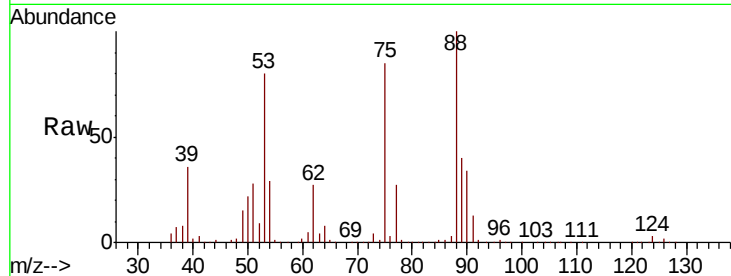




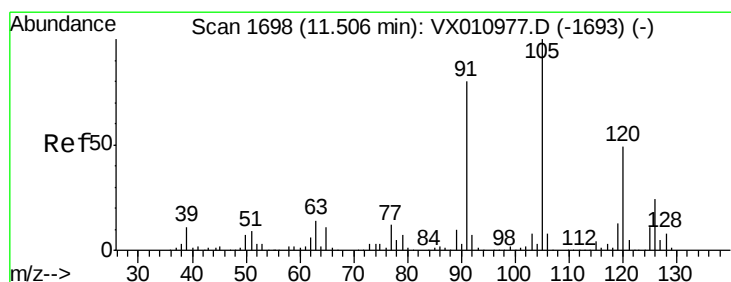
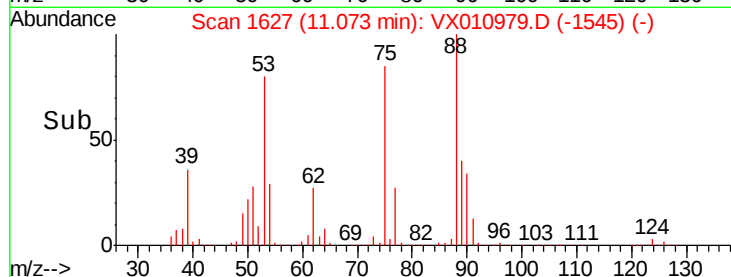
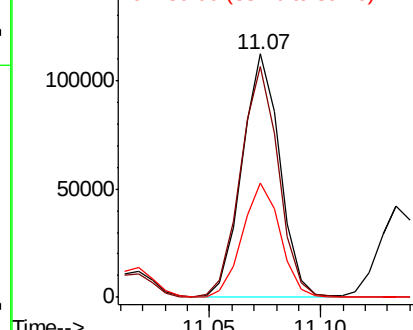
#77
t-1,4-Dichloro-2-butene
Concen: 92.740 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 133040
Ion Ratio Lower Upper
75 100
53 94.8 54.8 164.3
89 47.1 24.6 73.6

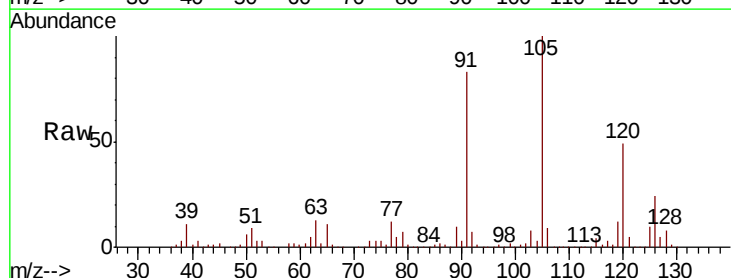


Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0

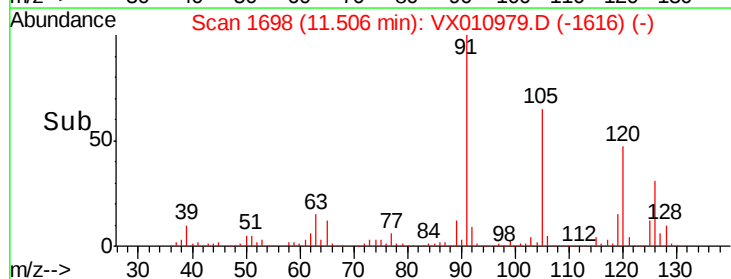
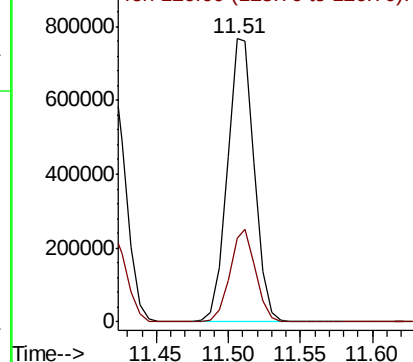


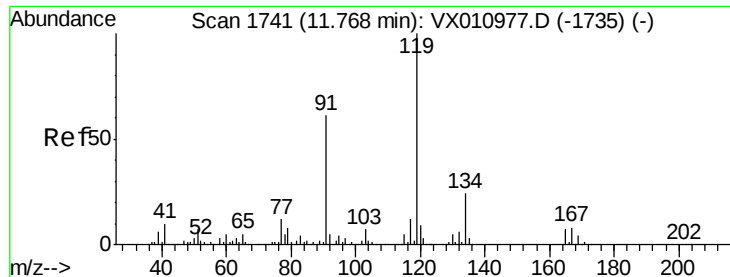
#78
4-Chlorotoluene
Concen: 106.368 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 91 Resp: 1006955
Ion Ratio Lower Upper
91 100
126 31.0 0.0 63.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V

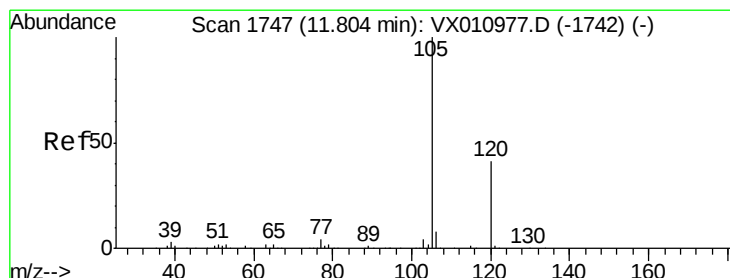
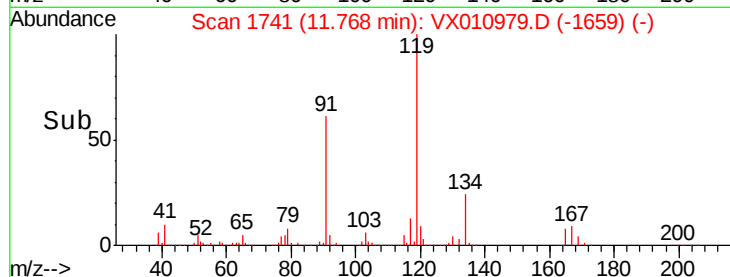
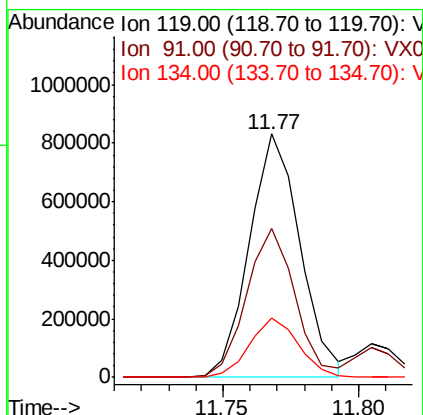
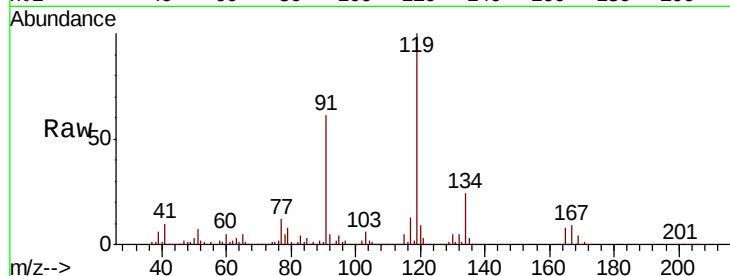




#79
tert-butylbenzene
Concen: 108.967 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

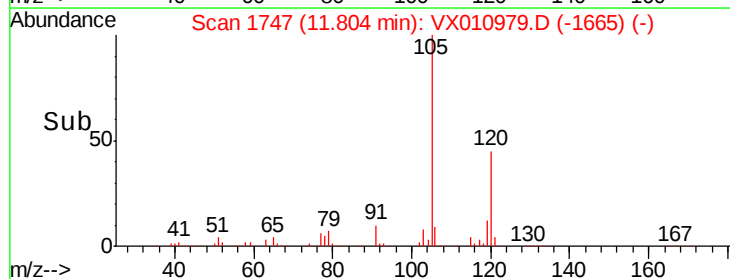
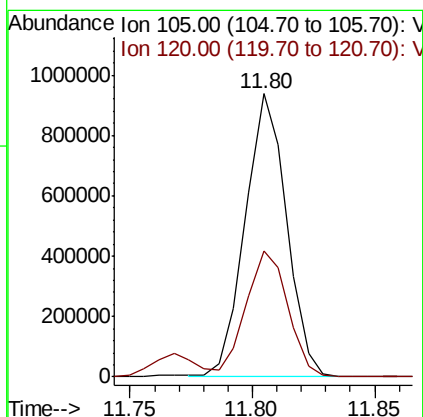
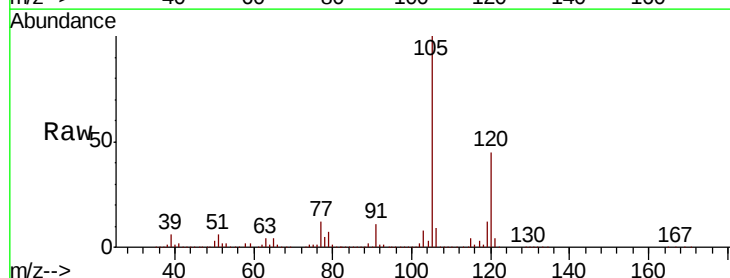
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

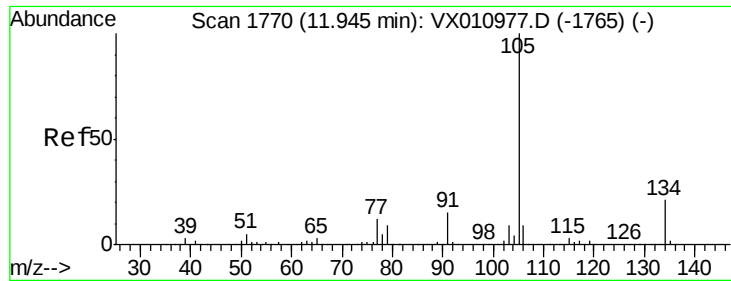
Tot Ion:119 Resp: 1075223
Ion Ratio Lower Upper
119 100
91 58.4 0.0 118.4
134 23.4 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 107.179 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion:105 Resp: 1099970
Ion Ratio Lower Upper
105 100
120 44.9 0.0 91.6





#81

sec-Butylbenzene

Concen: 108.071 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

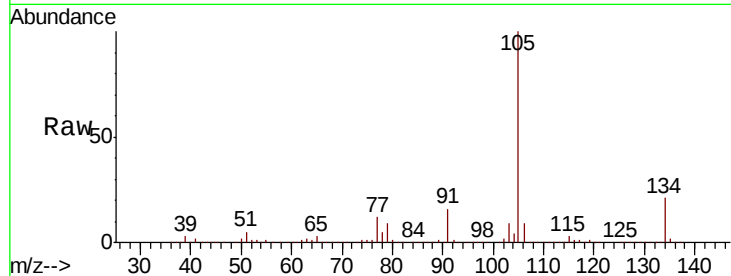
VSTDIC100

Tot Ion:105 Resp: 1268507

Ion Ratio Lower Upper

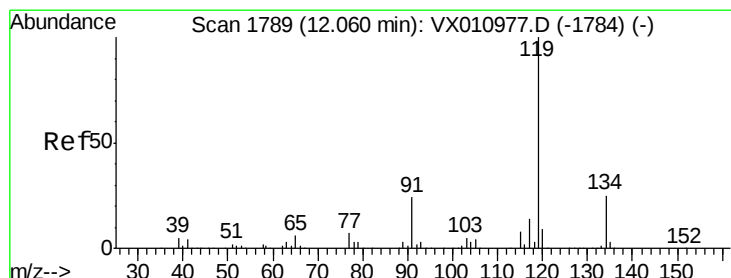
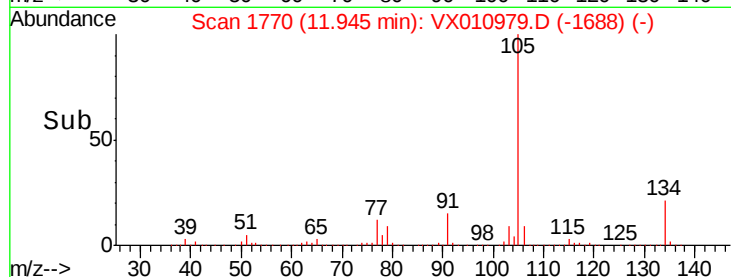
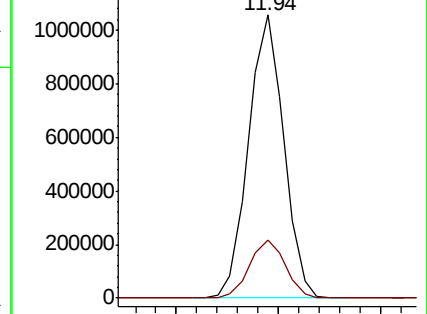
105 100

134 20.9 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 110.544 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

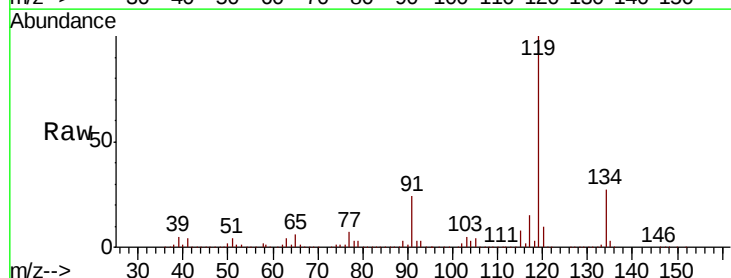
Tgt Ion:119 Resp: 1184820

Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.8

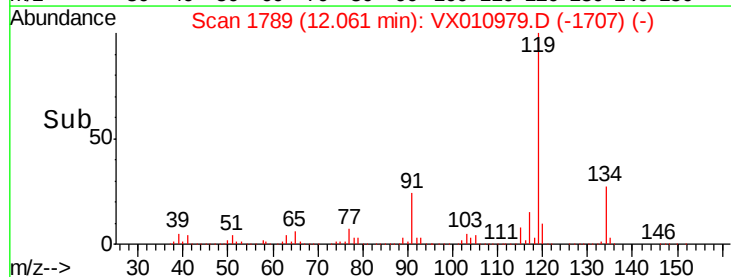
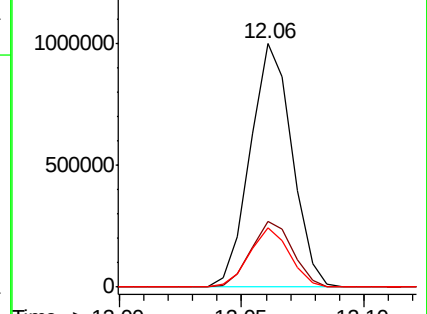
91 23.8 0.0 47.0

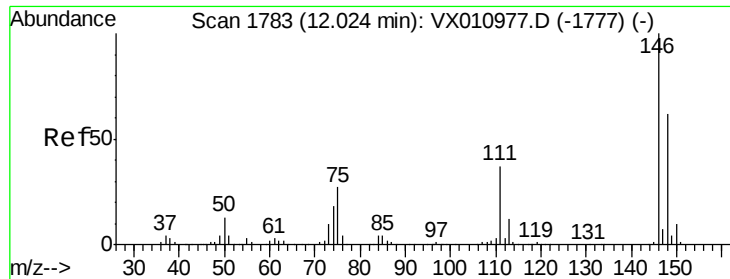


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

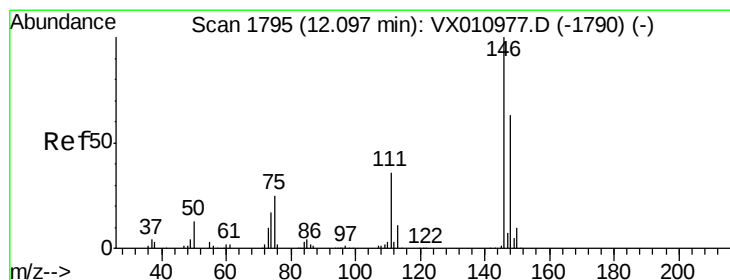
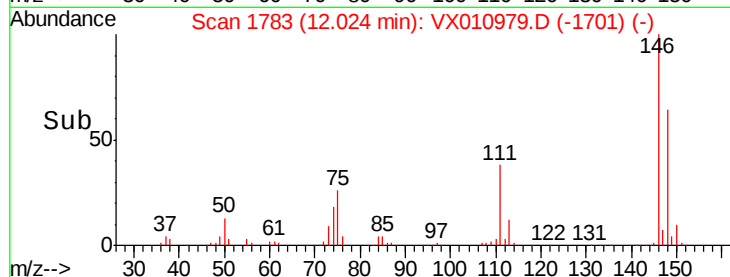
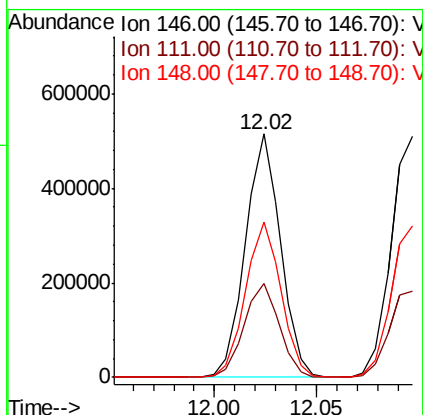
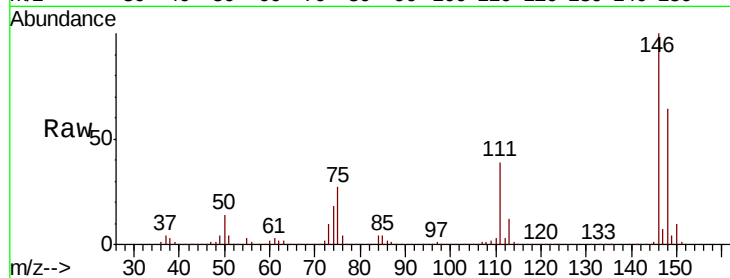




#83
 1,3-Dichlorobenzene
 Concen: 113.525 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

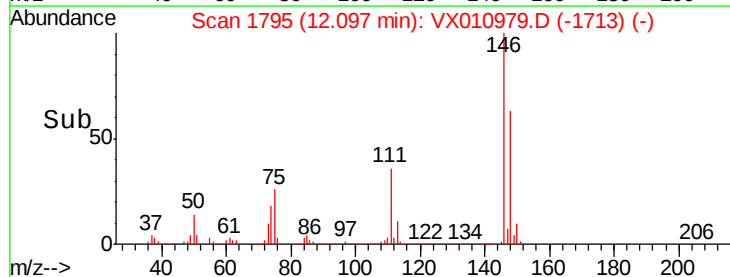
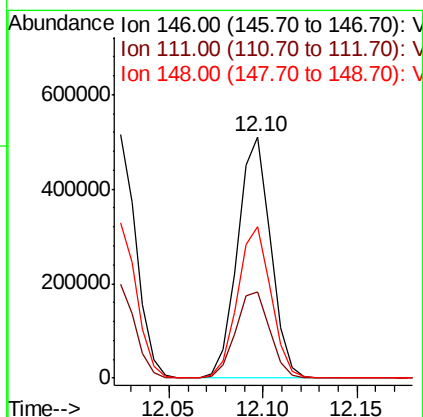
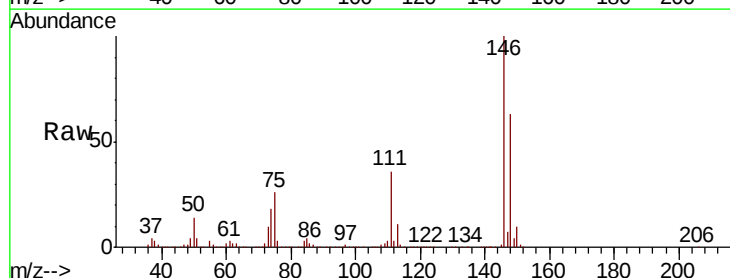
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

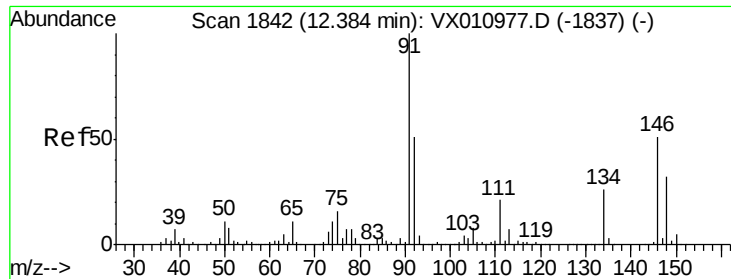
Tot Ion:146 Resp: 616176
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.9
 148 64.1 31.4 94.0



#84
 1,4-Dichlorobenzene
 Concen: 114.630 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion:146 Resp: 621951
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 63.3 32.0 96.0

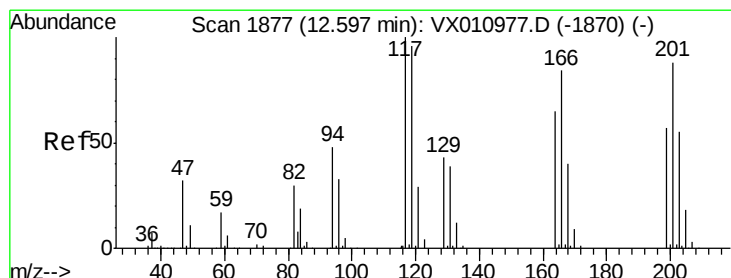
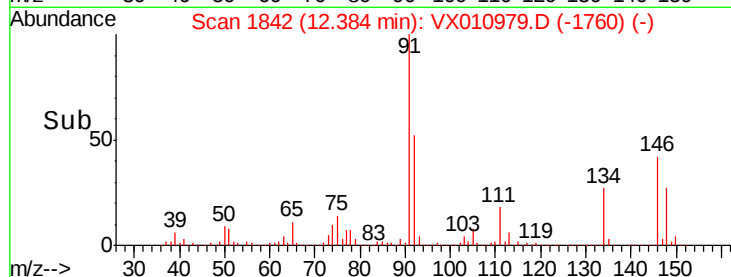
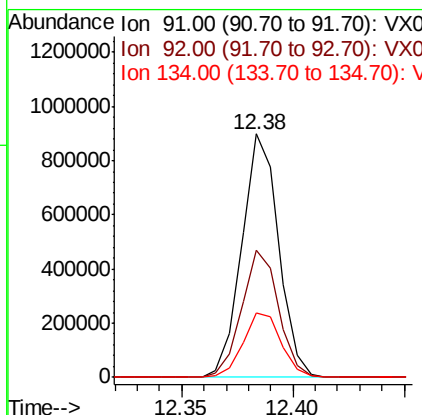
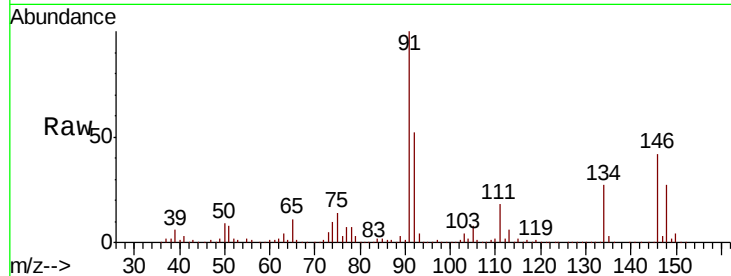




#85
n-Butylbenzene
Concen: 107.146 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

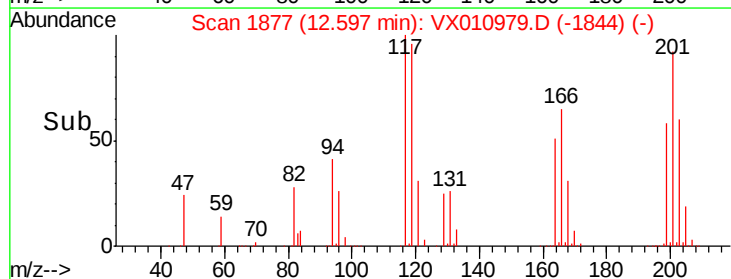
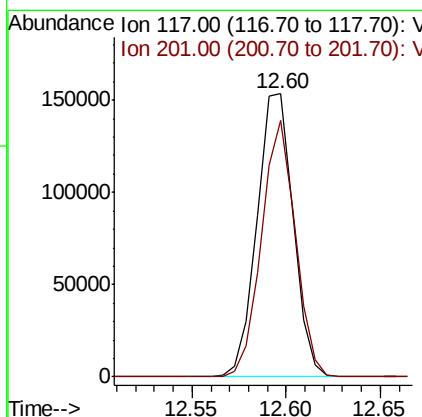
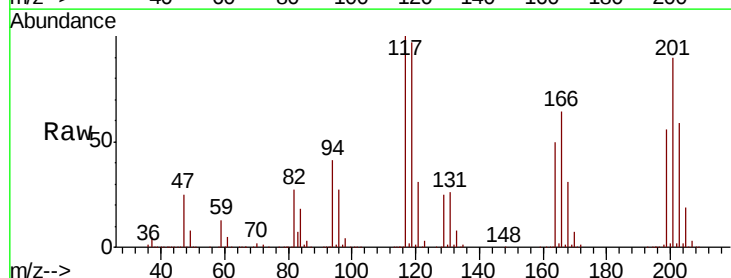
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

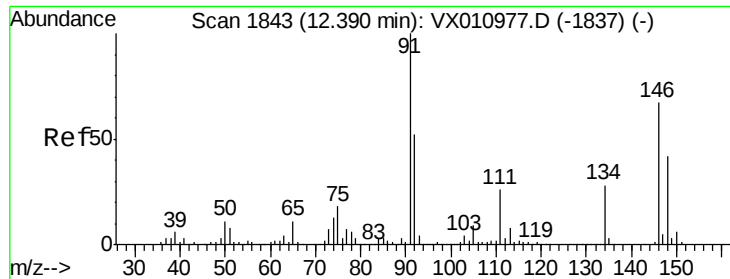
Tot Ion: 91 Resp: 1038890
Ion Ratio Lower Upper
91 100
92 52.4 0.0 103.6
134 27.4 0.0 54.2



#86
Hexachloroethane
Concen: 116.254 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 117 Resp: 205474
Ion Ratio Lower Upper
117 100
201 84.4 42.1 126.3





#87

1,2-Dichlorobenzene

Concen: 108.191 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

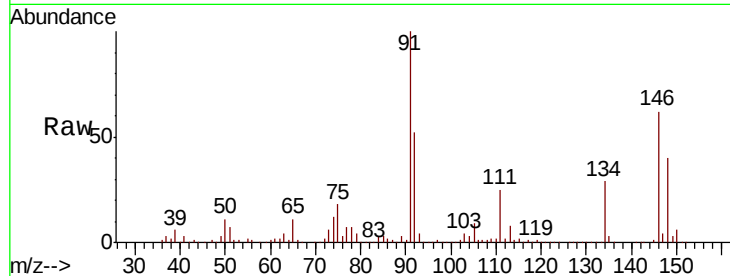
Tot Ion:146 Resp: 591144

Ion Ratio Lower Upper

146 100

111 40.7 19.5 58.5

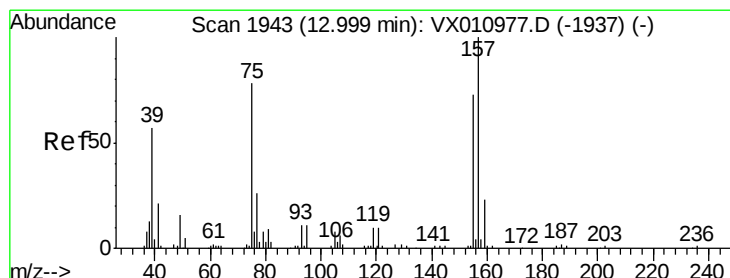
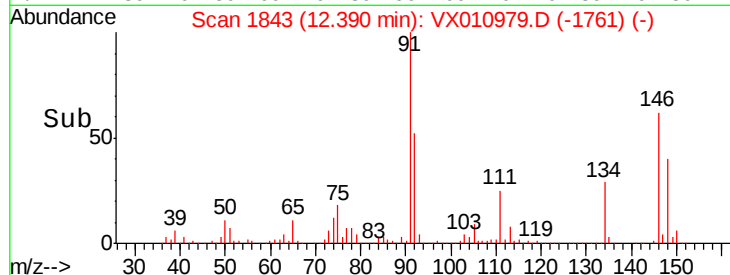
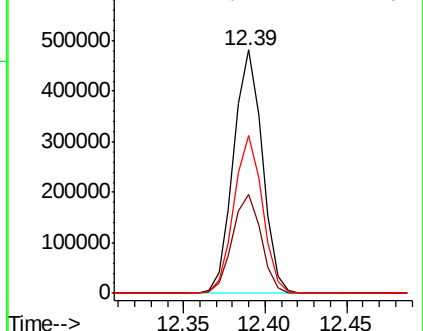
148 64.3 31.5 94.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 96.508 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

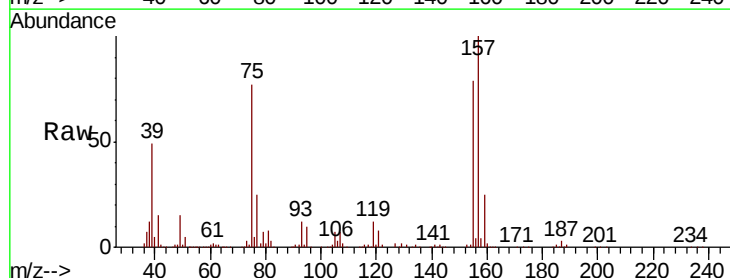
Tgt Ion: 75 Resp: 95523

Ion Ratio Lower Upper

75 100

155 97.4 76.6 115.0

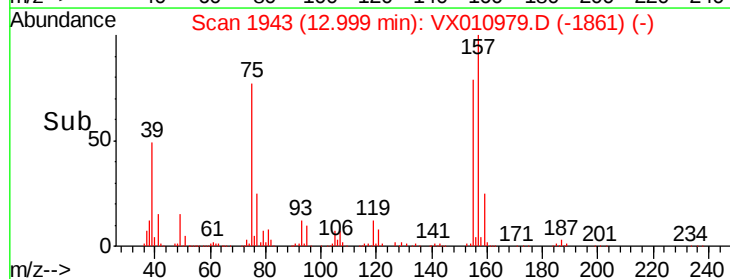
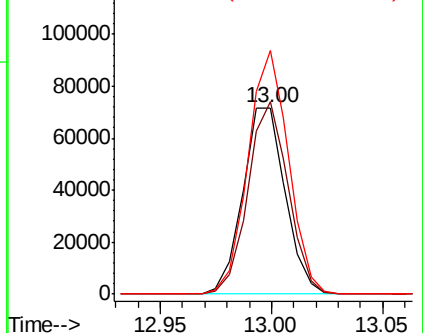
157 124.4 101.0 151.4

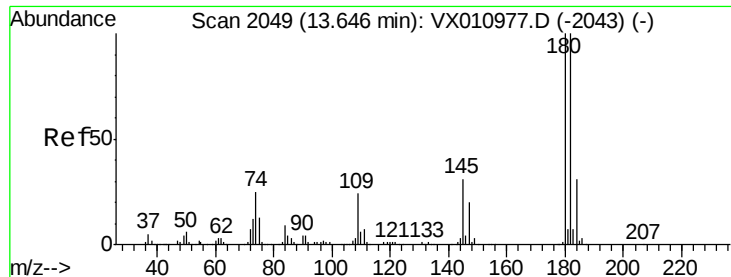


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

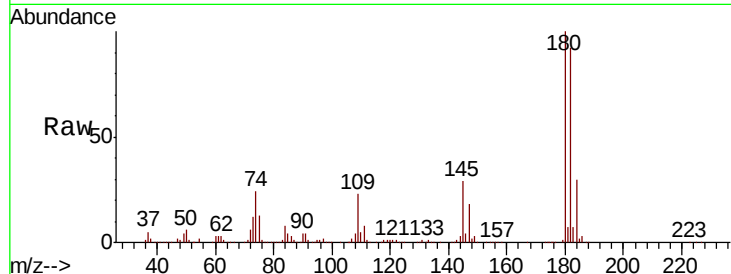




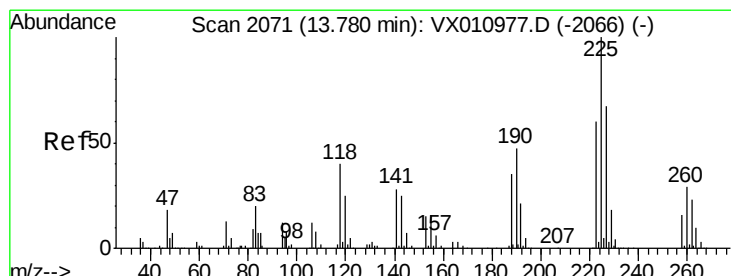
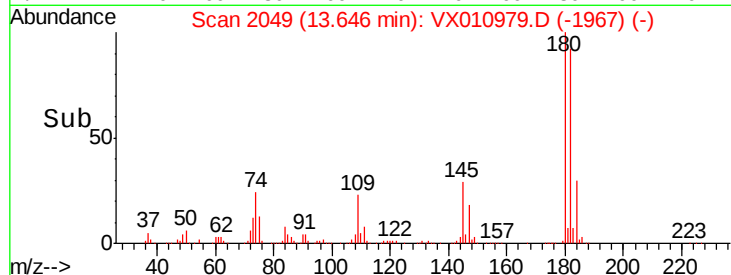
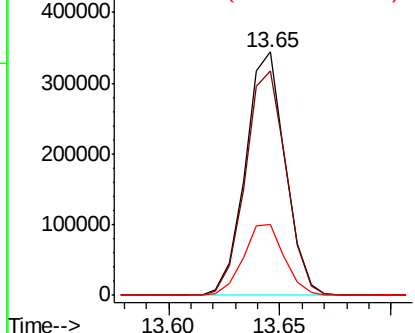
#89
 1,2,4-Trichlorobenzene
 Concen: 111.074 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 428390
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.6 116.4
 145 29.9 23.8 35.6

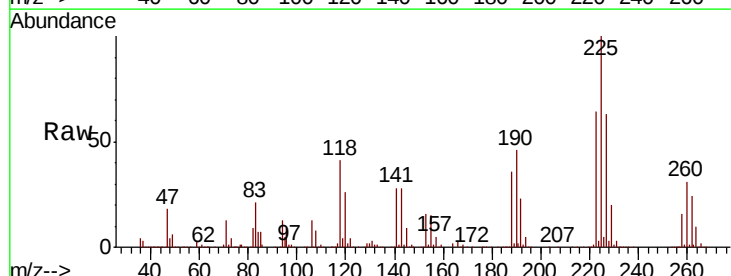


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

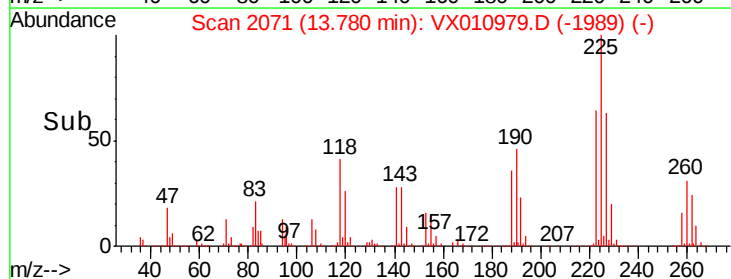
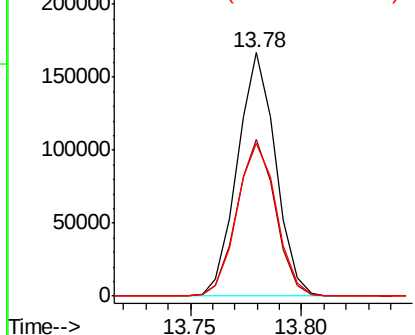


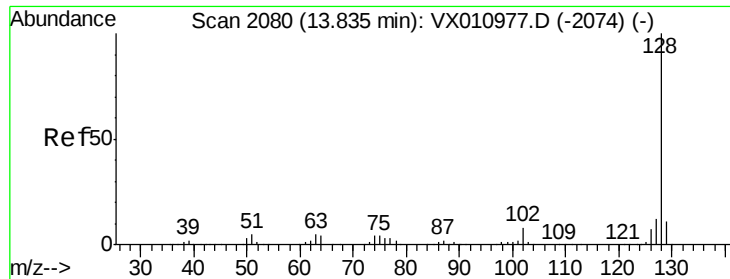
#90
 Hexachlorobutadiene
 Concen: 104.049 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion:225 Resp: 199365
 Ion Ratio Lower Upper
 225 100
 223 64.6 0.0 121.4
 227 65.0 0.0 126.6



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

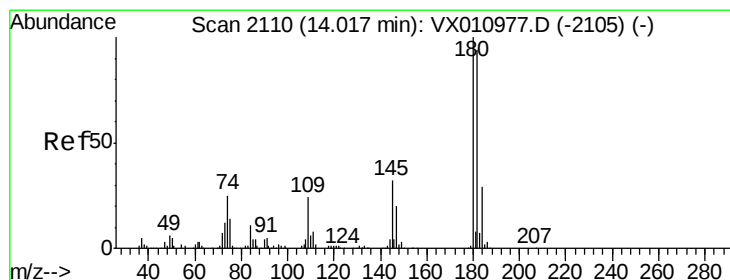
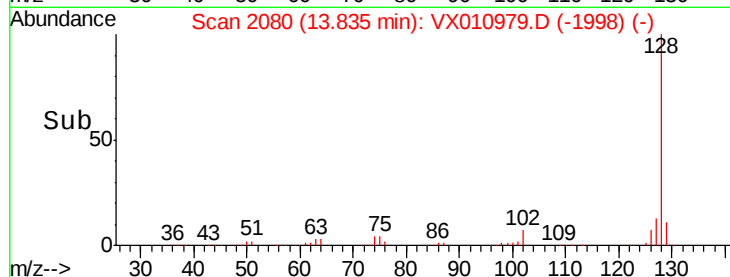
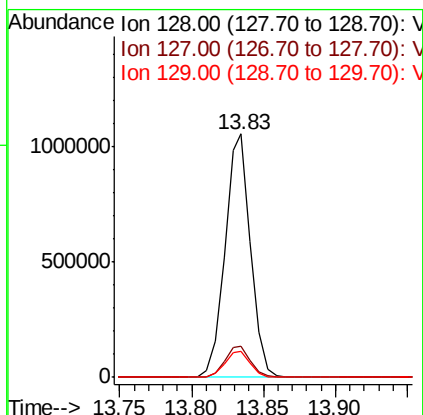
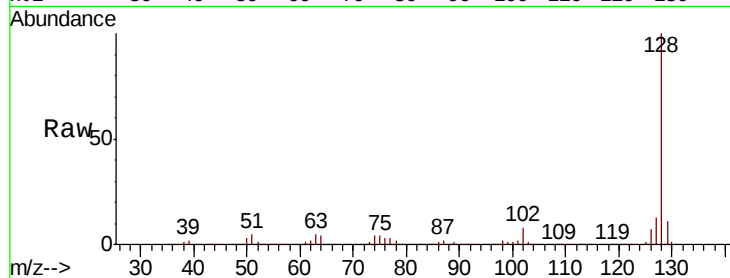




#91
Naphthalene
Concen: 105.023 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:128 Resp: 1306722
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.0 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 108.740 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion:180 Resp: 424144
Ion Ratio Lower Upper
180 100
182 93.7 0.0 190.2
145 31.8 0.0 63.8

