

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010978.D
 Acq On : 18 Jul 2019 23:08
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: Jul 19 03:19:32 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	40488	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	224086	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205325	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	80571	24.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	83.10%
60) 4-Bromofluorobenzene	11.13	95	101951	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	8.71	98	270642	28.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	141032	61.749	ug/l 97
3) Chloromethane	1.32	50	119683	42.510	ug/l 97
4) Vinyl Chloride	1.41	62	123962	44.022	ug/l 98
5) Bromomethane	1.64	94	64229	35.346	ug/l 100
6) Chloroethane	1.72	64	73287	40.591	ug/l 91
7) Trichlorofluoromethane	1.93	101	204941	55.519	ug/l 99
8) Diethyl Ether	2.19	74	66454	41.490	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	113000	50.838	ug/l 99
10) 1,1-Dichloroethene	2.37	96	112472	50.337	ug/l 97
11) Methyl Iodide	2.51	142	159756	63.349	ug/l 98
12) Methyl Acetate	2.78	43	161454	40.158	ug/l 95
13) Acrolein	2.29	56	91139	166.944	ug/l 100
14) Acrylonitrile	3.14	53	314249	183.760	ug/l 100
15) Acetone	2.45	58	86596	178.085	ug/l 92
16) Carbon Disulfide	2.57	76	296153	49.831	ug/l 99
17) Allyl chloride	2.73	41	165131	33.559	ug/l 98
18) Methylene Chloride	2.85	84	125886	47.329	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	118334	49.662	ug/l 99
20) Diisopropyl ether	3.85	45	344458	35.208	ug/l 97
21) 1,1-Dichloroethane	3.70	63	196921	40.438	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	136863	48.323	ug/l 99
23) tert-Butyl Alcohol	3.04	59	148463	198.190	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	359766	42.660	ug/l 100
25) Chloroform	5.21	83	215018	47.052	ug/l 100
26) Cyclohexane	5.58	56	180015	39.890	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	155994	47.848	ug/l 99
30) 2-Butanone	4.67	43	426627	177.525	ug/l 100
31) 2,2-Dichloropropane	4.58	77	138771	40.372	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	191961	53.222	ug/l 98
33) Carbon Tetrachloride	5.79	117	169595	56.262	ug/l 97
34) Benzene	6.14	78	473673	47.406	ug/l 97
35) Methacrylonitrile	5.04	41	89927	36.013	ug/l 99
36) 1,2-Dichloroethane	6.19	62	168434	46.782	ug/l 99
37) Trichloroethene	7.21	130	138834	55.445	ug/l 99
38) Methylcyclohexane	7.46	83	201867	49.849	ug/l 99
39) 1,2-Dichloropropane	7.51	63	119142	42.796	ug/l 99
40) Dibromomethane	7.66	93	86360	52.197	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	160270	48.773	ug/l	100
42) Vinyl Acetate	3.81	43	1409658	178.592	ug/l	99
43) Ethyl Acetate	4.83	43	164884	37.984	ug/l	99
44) Isopropyl Acetate	6.45	43	268221	37.705	ug/l	100
45) 1,4-Dioxane	7.74	88	69376	940.031	ug/l	97
46) Methyl methacrylate	7.77	41	130619	37.066	ug/l	97
47) n-amyl Acetate	10.90	43	251352	39.275	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	172669	45.812	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	186371	44.930	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	126009	50.167	ug/l	97
51) Ethyl methacrylate	9.18	69	198385	44.280	ug/l	97
52) 1,3-Dichloropropane	9.37	76	205195	46.872	ug/l	99
53) Dibromochloromethane	9.58	129	141638	56.019	ug/l	99
54) 1,2-Dibromoethane	9.67	107	139326	53.522	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	417309	182.242	ug/l	99
56) Bromoform	10.85	173	107147	55.663	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	868190	183.277	ug/l	99
59) 2-Hexanone	9.49	43	678053	183.257	ug/l	100
61) Tetrachloroethene	9.34	164	135590	57.305	ug/l	97
62) Toluene	8.79	91	551327	50.342	ug/l	100
64) Chlorobenzene	10.13	112	343734	51.420	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	129639	53.140	ug/l	99
66) Ethyl Benzene	10.25	91	614546	50.274	ug/l	100
67) m/p-Xylenes	10.36	106	469644	103.791	ug/l	95
68) o-Xylene	10.69	106	228294	51.399	ug/l	97
69) Styrene	10.71	104	394076	51.137	ug/l	99
70) Isopropylbenzene	11.02	105	622189	52.452	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	203171	47.717	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	222701	61.454	ug/l	85
73) Bromobenzene	11.26	156	164427	55.010	ug/l	98
74) n-propylbenzene	11.36	91	701353	51.281	ug/l	100
75) 2-Chlorotoluene	11.42	91	409400	50.039	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	528973	52.521	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	59081	41.827	ug/l	92
78) 4-Chlorotoluene	11.51	91	478036	51.285	ug/l	100
79) tert-butylbenzene	11.77	119	510956	52.591	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	530004	52.449	ug/l	100
81) sec-Butylbenzene	11.94	105	605777	52.415	ug/l	100
82) p-Isopropyltoluene	12.06	119	562539	53.304	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	298524	55.859	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	295567	55.326	ug/l	100
85) n-Butylbenzene	12.38	91	486788	50.989	ug/l	99
86) Hexachloroethane	12.60	117	91085	52.339	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	291284	54.143	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	44593	45.756	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	201306	53.010	ug/l	99
90) Hexachlorobutadiene	13.78	225	98042	51.967	ug/l	97
91) Naphthalene	13.83	128	618086	50.452	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	200754	52.272	ug/l	99

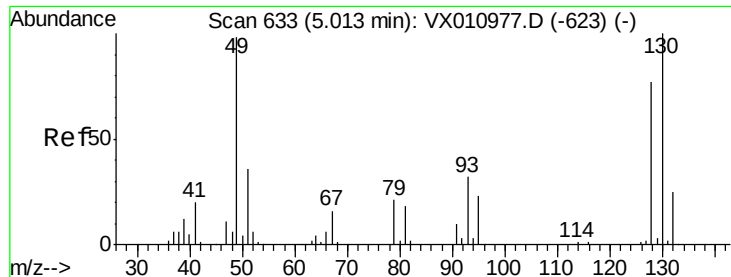
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = 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: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

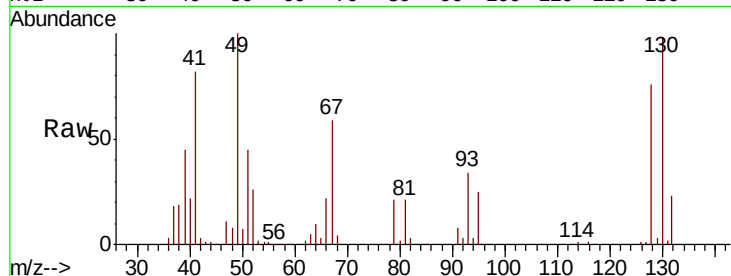
Tot Ion:128 Resp: 40488

Ion Ratio Lower Upper

128 100

49 137.2 0.0 343.5

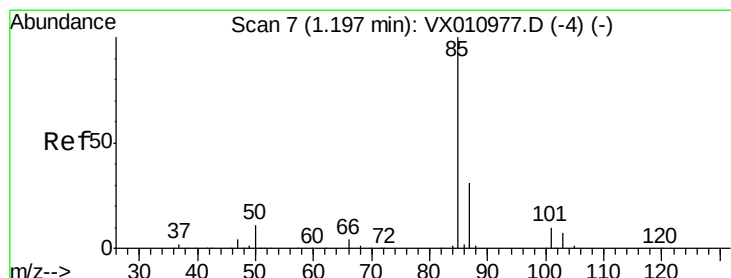
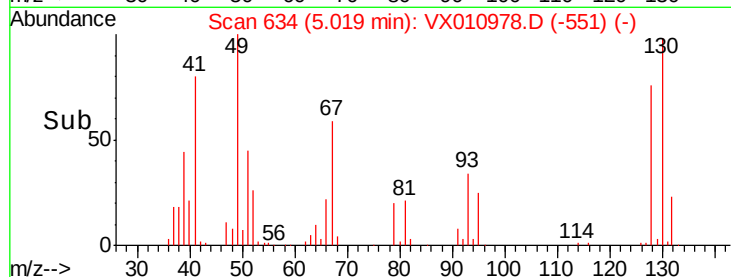
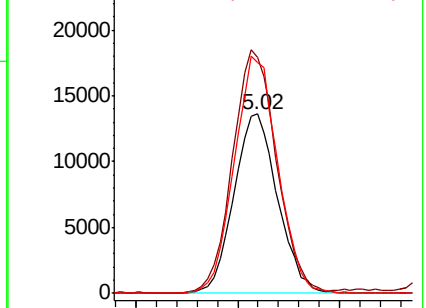
130 131.8 0.0 324.7



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: 61.749 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010978.D

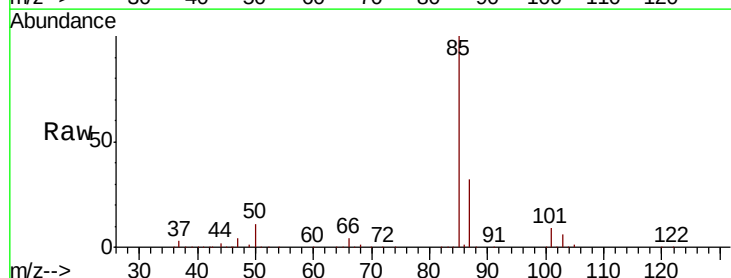
Acq: 18 Jul 2019 23:08

Tgt Ion: 85 Resp: 141032

Ion Ratio Lower Upper

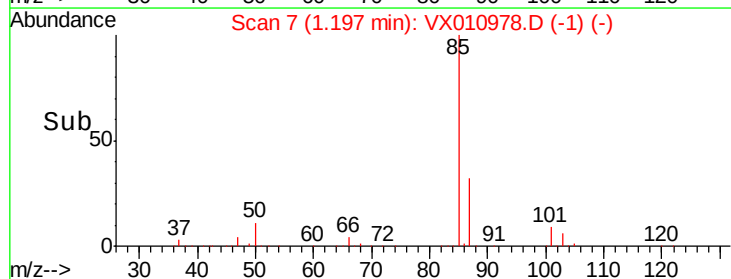
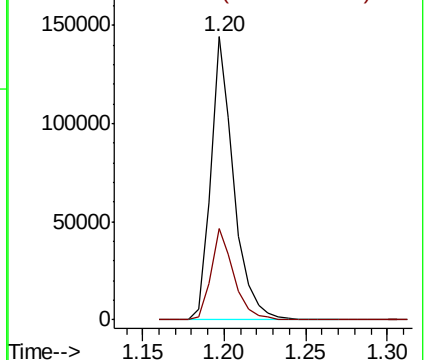
85 100

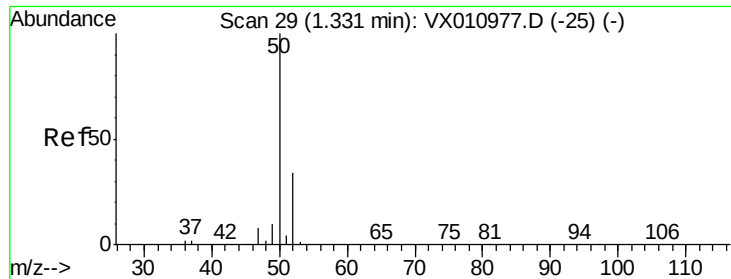
87 32.1 15.4 46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 42.510 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

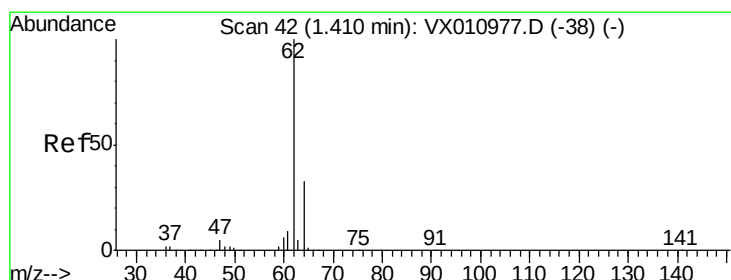
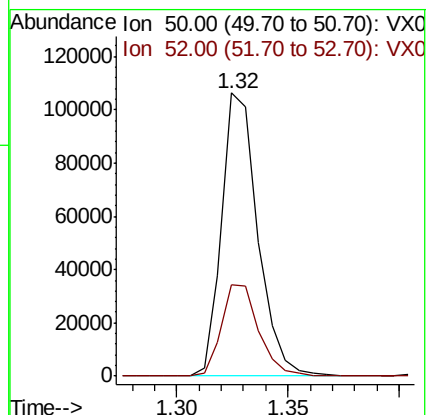
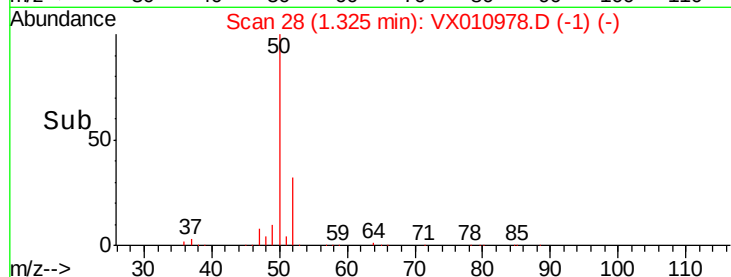
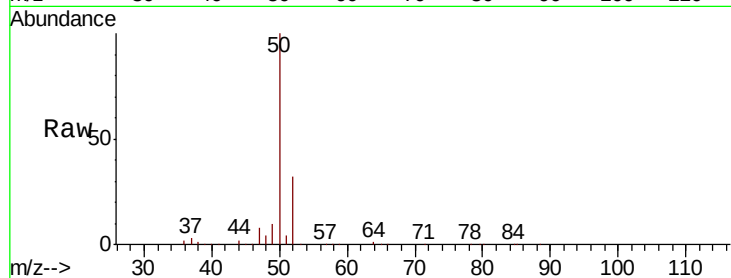
VSTDIC050

Tot Ion: 50 Resp: 119683

Ion Ratio Lower Upper

50 100

52 32.4 27.3 40.9



#4

Vinyl Chloride

Concen: 44.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010978.D

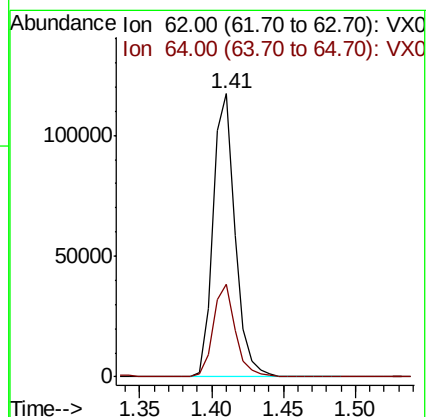
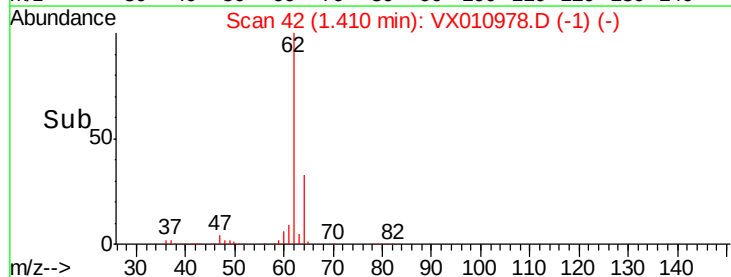
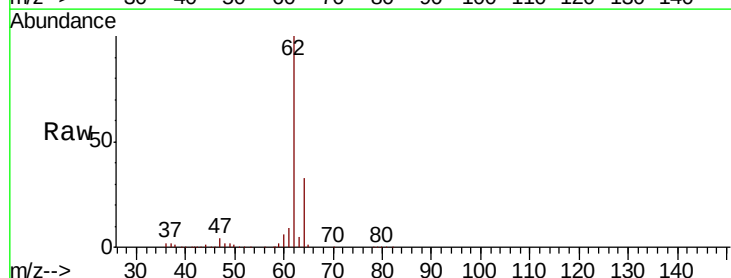
Acq: 18 Jul 2019 23:08

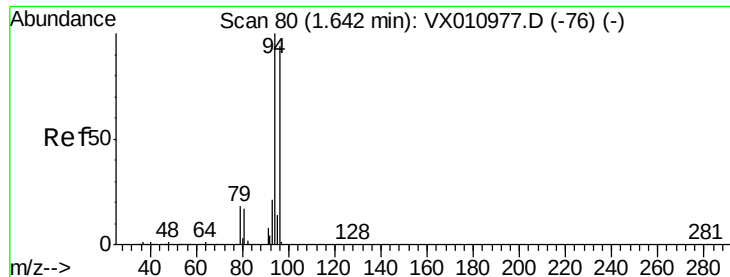
Tgt Ion: 62 Resp: 123962

Ion Ratio Lower Upper

62 100

64 32.4 26.8 40.2





#5

Bromomethane

Concen: 35.346 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

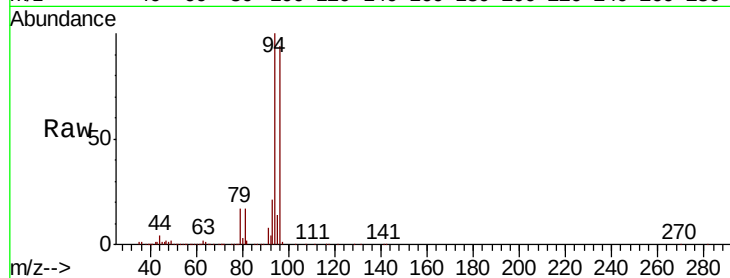
VSTDIC050

Tot Ion: 94 Resp: 64229

Ion Ratio Lower Upper

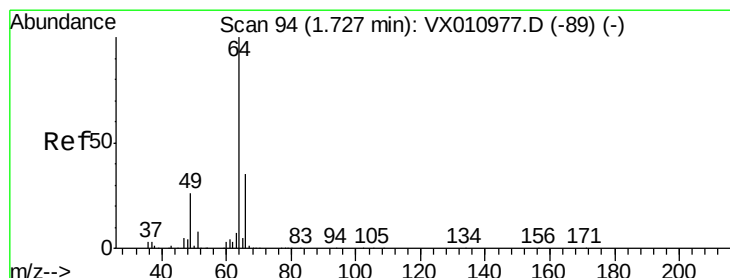
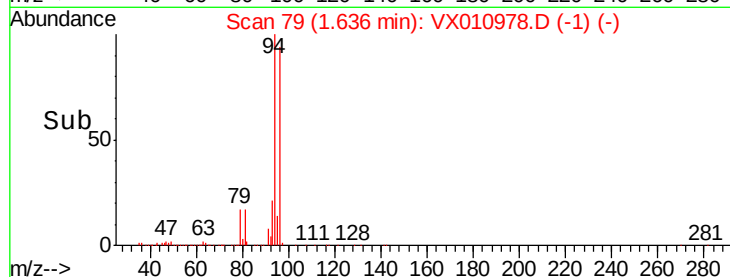
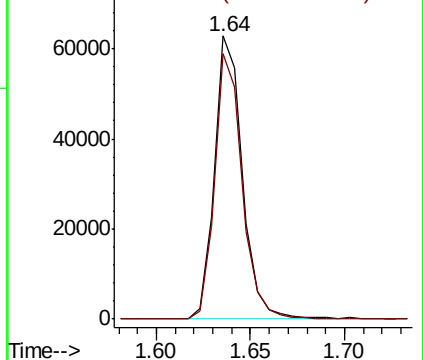
94 100

96 94.0 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 40.591 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX010978.D

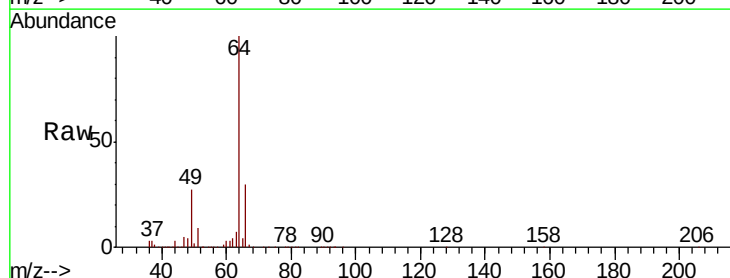
Acq: 18 Jul 2019 23:08

Tgt Ion: 64 Resp: 73287

Ion Ratio Lower Upper

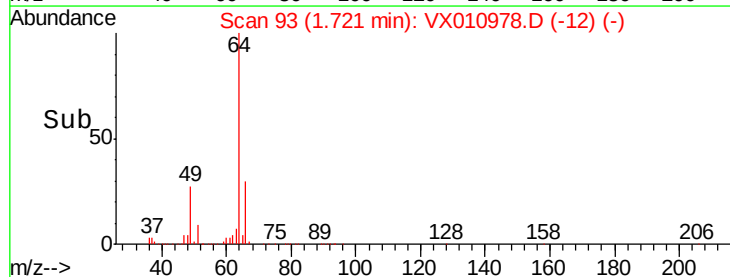
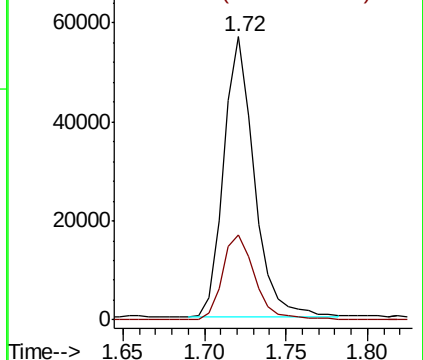
64 100

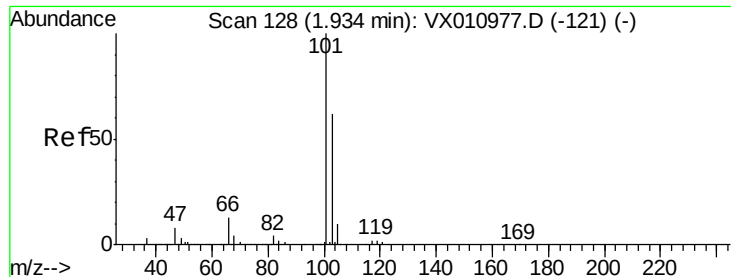
66 30.0 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



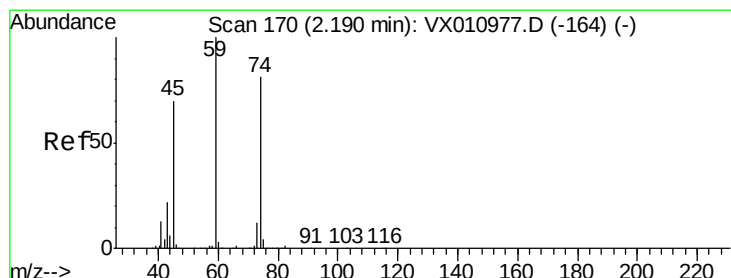
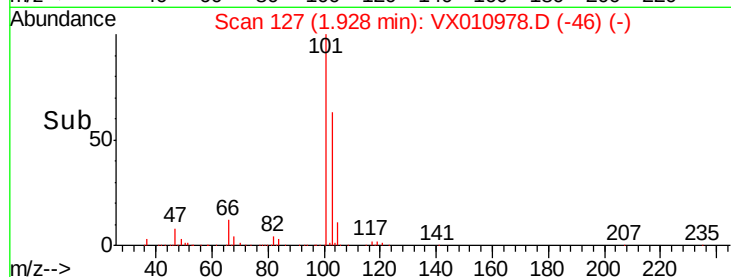
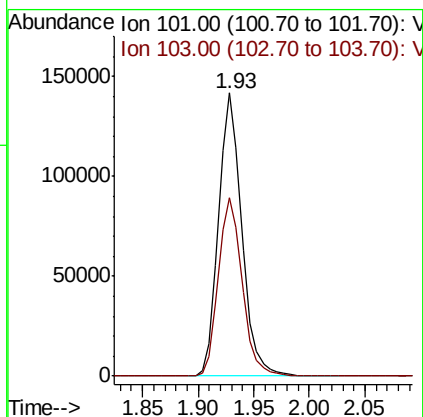
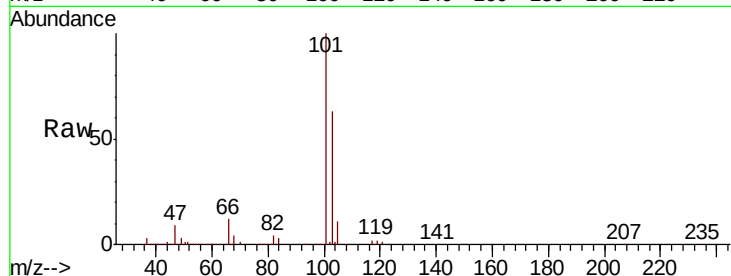


#7

Trichlorofluoromethane
Concen: 55.519 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
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ClientSampleId :
VSTDIC050

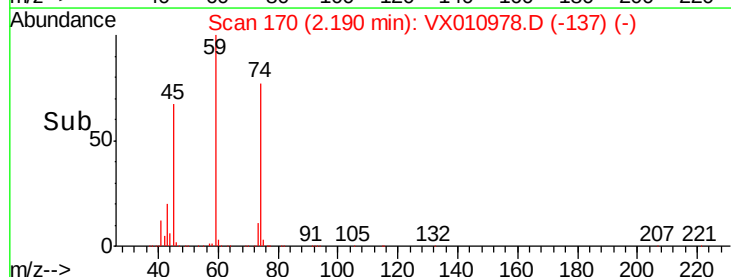
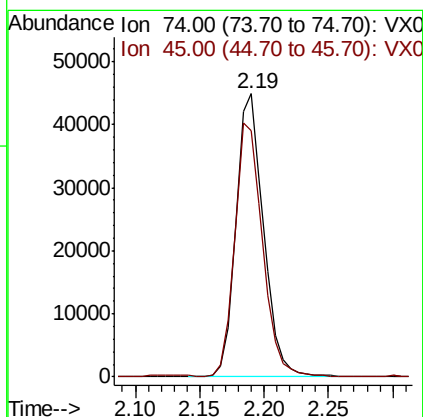
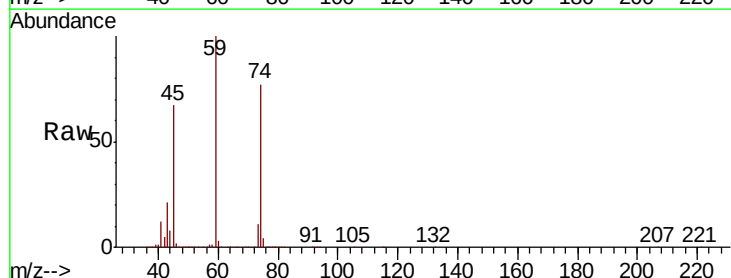
Tot Ion:101 Resp: 204941
Ion Ratio Lower Upper
101 100
103 63.1 49.6 74.4

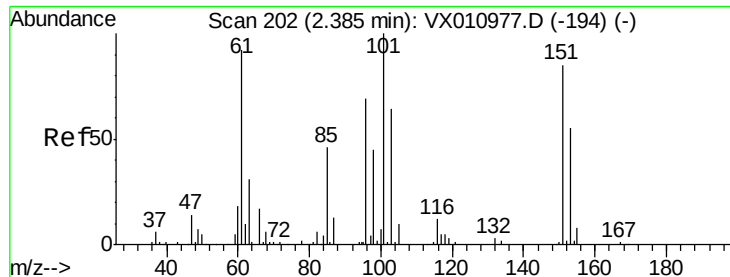


#8

Diethyl Ether
Concen: 41.490 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 74 Resp: 66454
Ion Ratio Lower Upper
74 100
45 90.8 18.3 164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.838 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

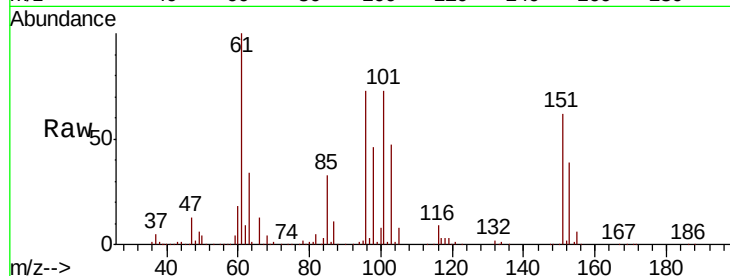
Tot Ion:101 Resp: 113000

Ion Ratio Lower Upper

101 100

85 44.0 0.0 89.8

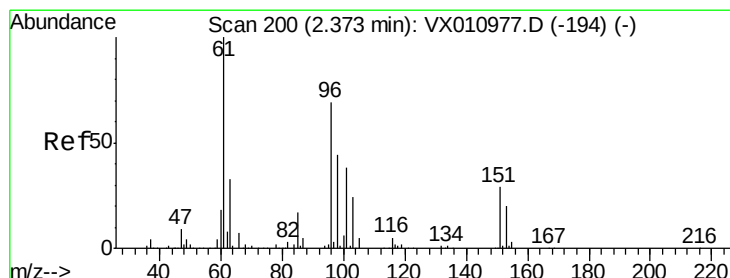
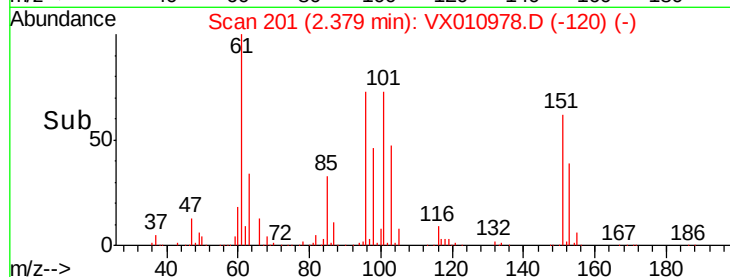
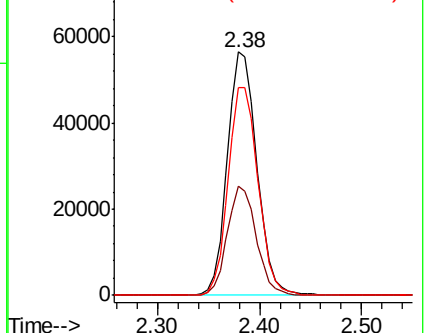
151 86.5 0.0 172.2



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: 50.337 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

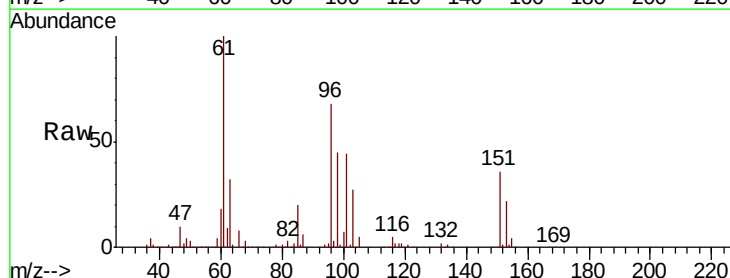
Tgt Ion: 96 Resp: 112472

Ion Ratio Lower Upper

96 100

61 147.8 115.9 173.9

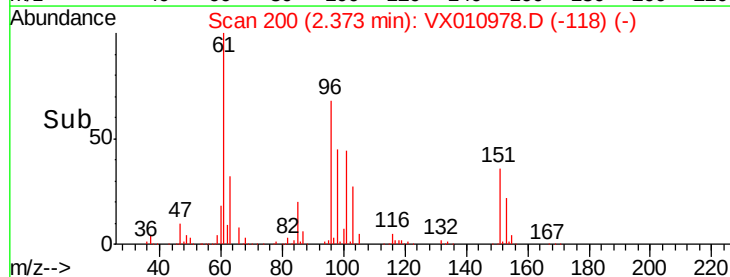
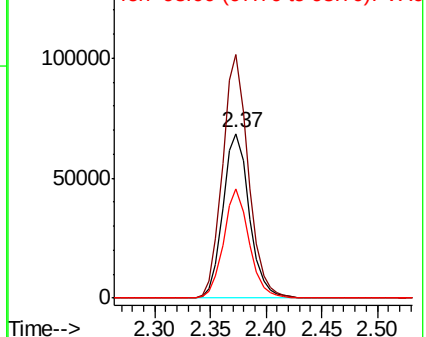
98 66.4 50.6 75.8

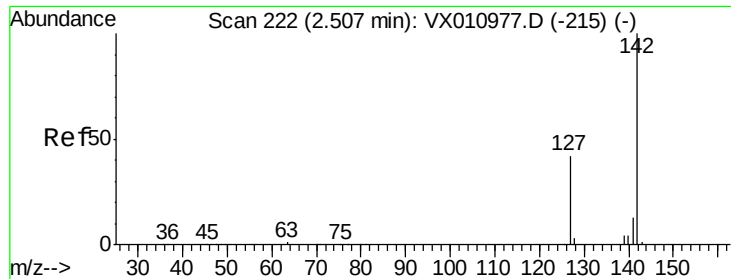


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

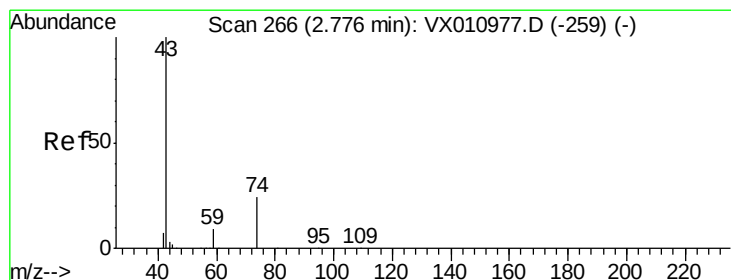
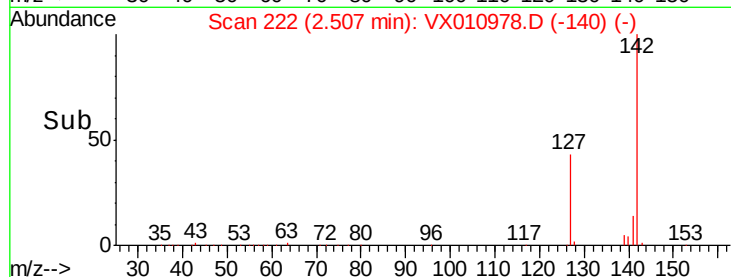
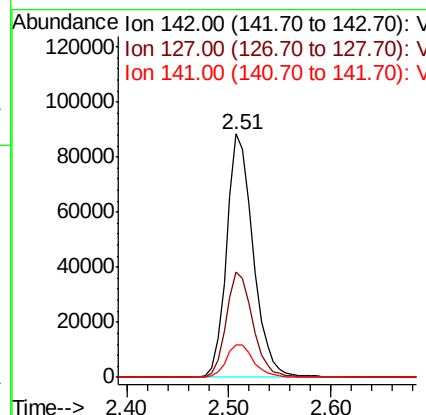
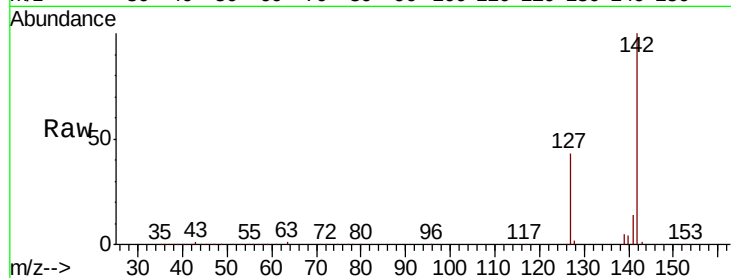




#11
Methvl Iodide
Concen: 63.349 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

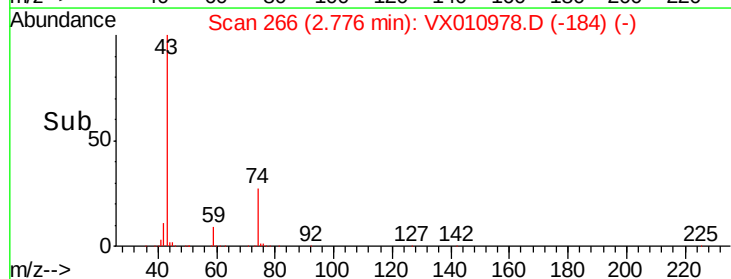
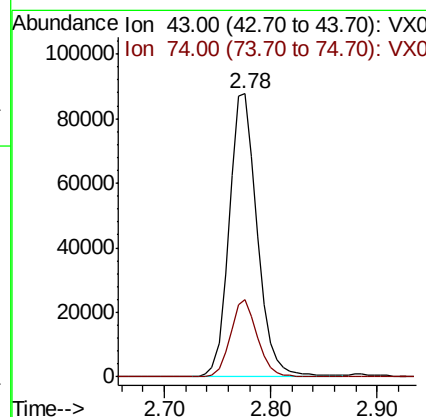
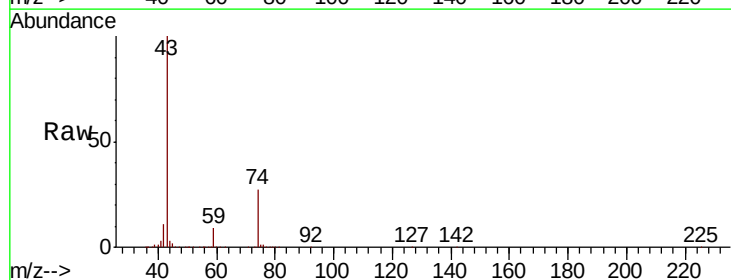
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

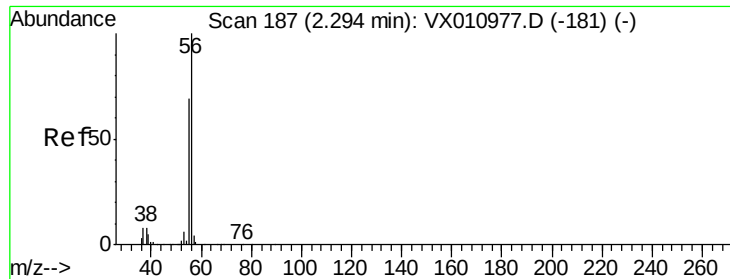
Tot Ion:142 Resp: 159756
Ion Ratio Lower Upper
142 100
127 43.1 20.7 62.1
141 13.5 6.7 20.0



#12
Methyl Acetate
Concen: 40.158 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 43 Resp: 161454
Ion Ratio Lower Upper
43 100
74 27.0 19.8 29.6





#13

Acrolein

Concen: 166.944 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

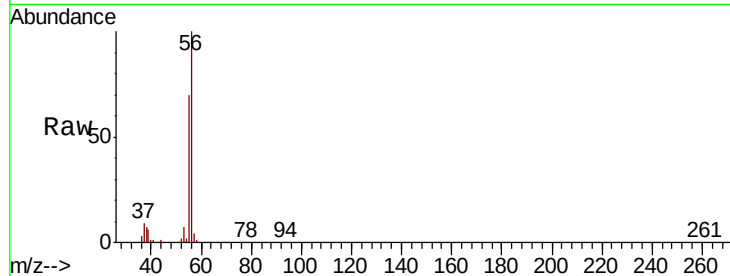
VSTDIC050

Tot Ion: 56 Resp: 91139

Ion Ratio Lower Upper

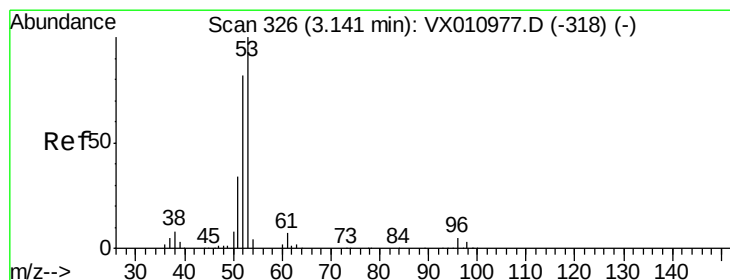
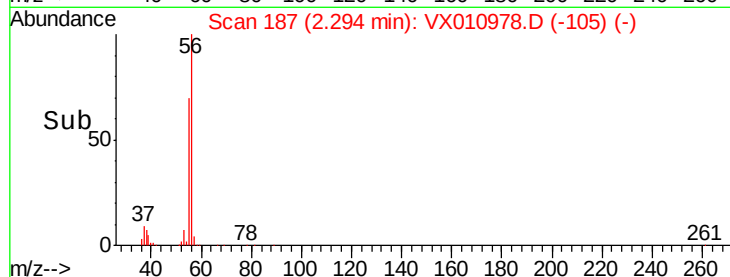
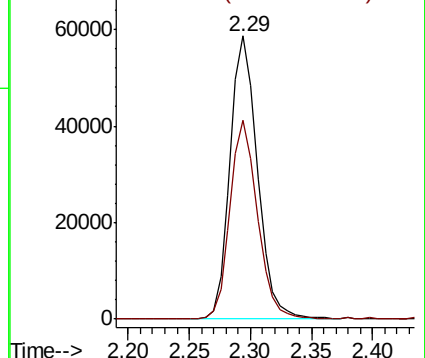
56 100

55 70.3 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 183.760 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

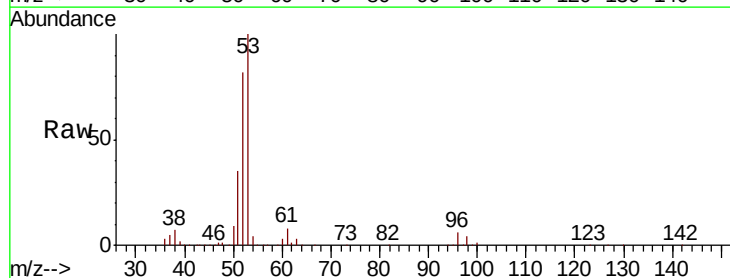
Tgt Ion: 53 Resp: 314249

Ion Ratio Lower Upper

53 100

52 82.4 41.1 123.4

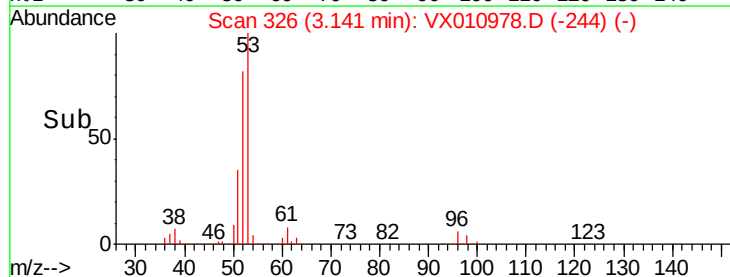
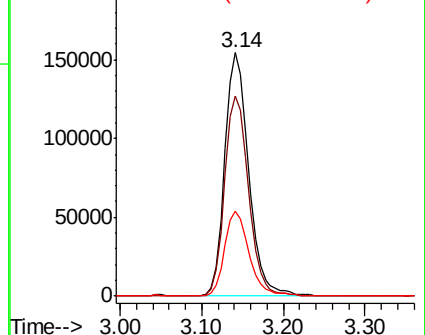
51 35.8 17.8 53.3

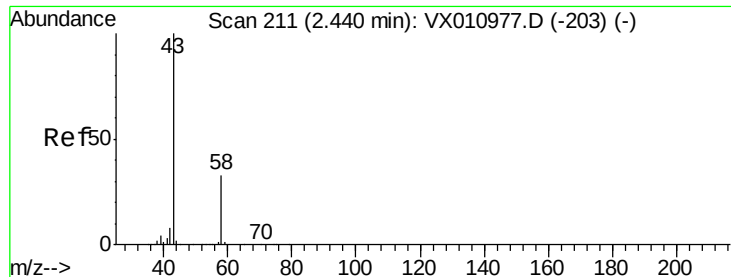


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 178.085 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

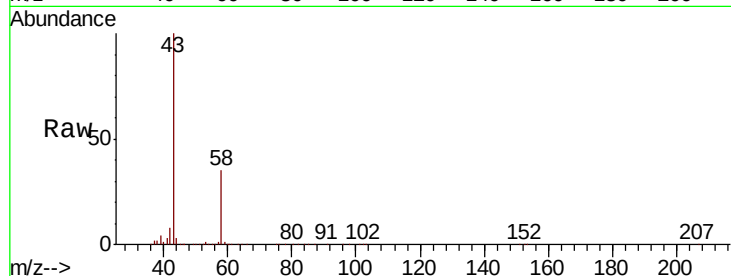
VSTDIC050

Tot Ion: 58 Resp: 86596

Ion Ratio Lower Upper

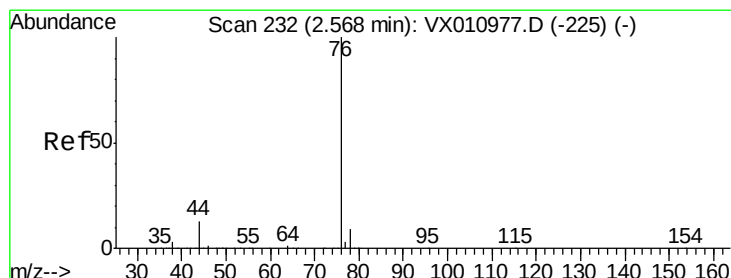
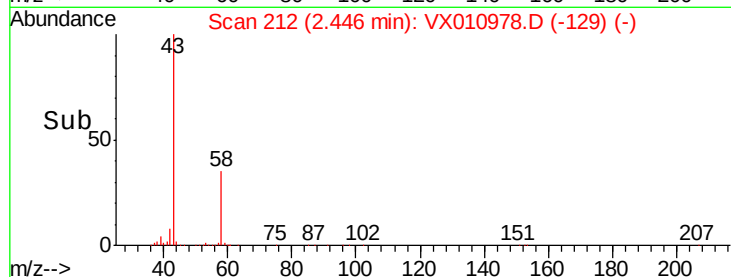
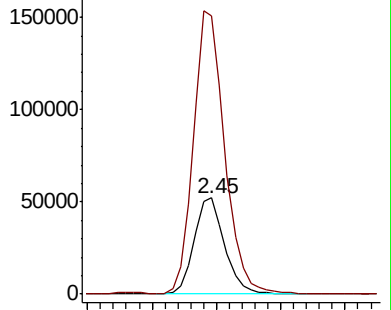
58 100

43 288.9 243.8 365.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 49.831 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010978.D

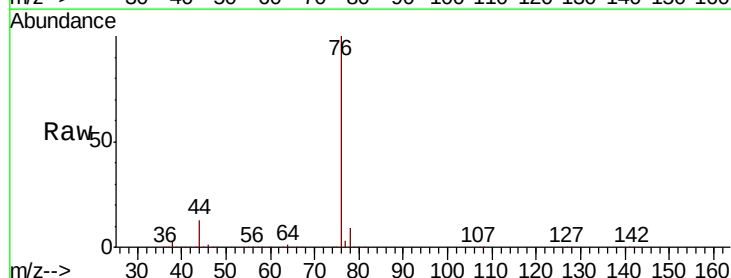
Acq: 18 Jul 2019 23:08

Tgt Ion: 76 Resp: 296153

Ion Ratio Lower Upper

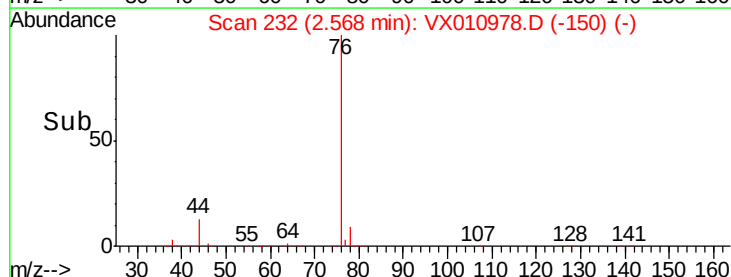
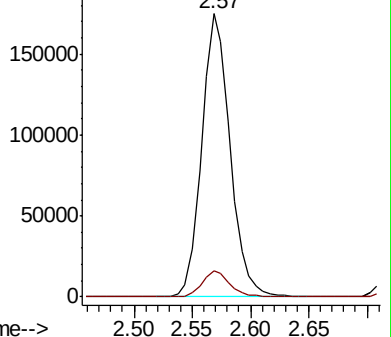
76 100

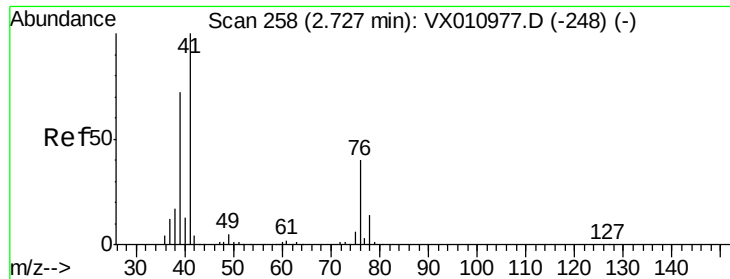
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

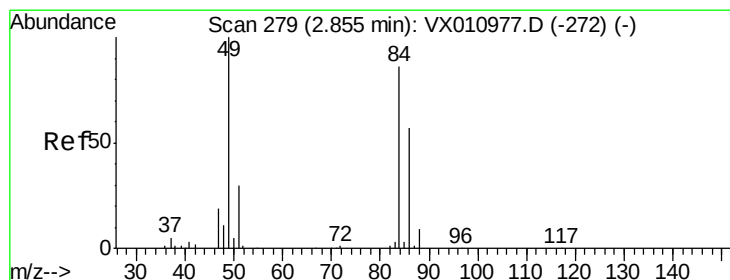
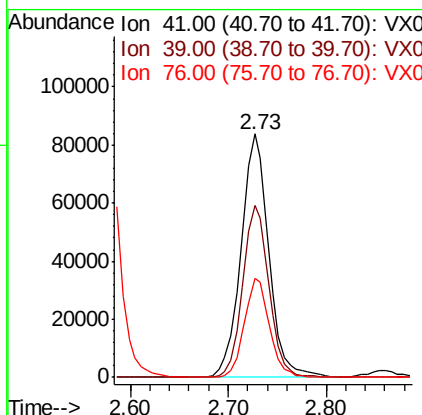
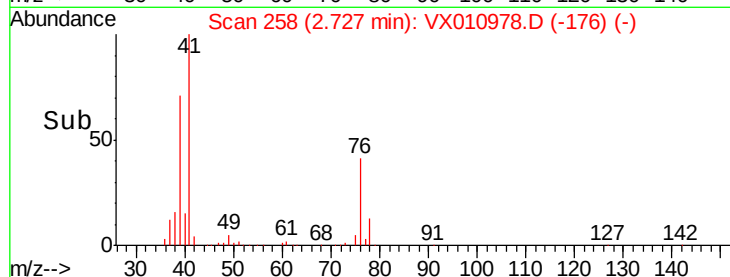
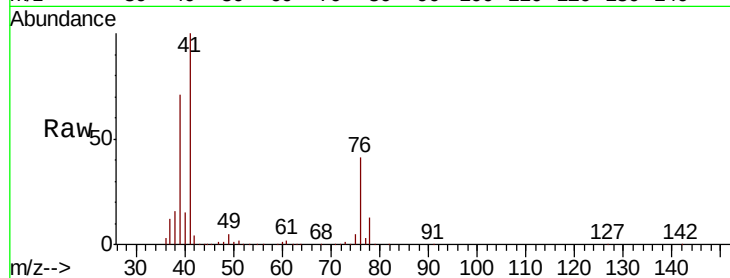




#17
Allvl chloride
Concen: 33.559 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

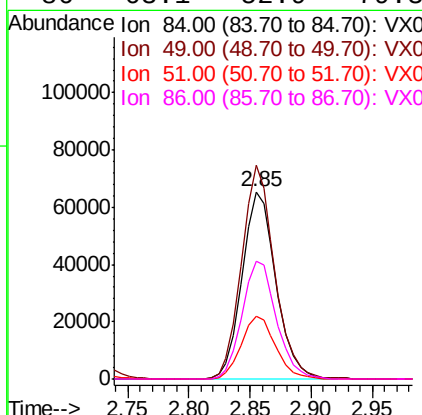
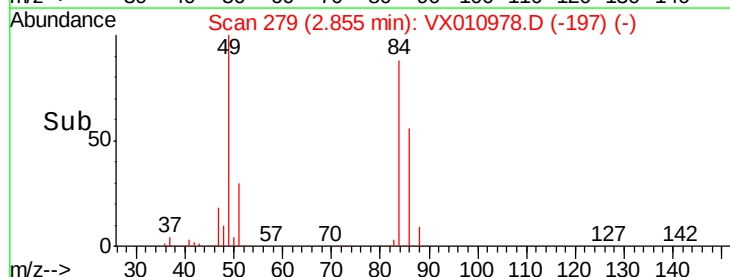
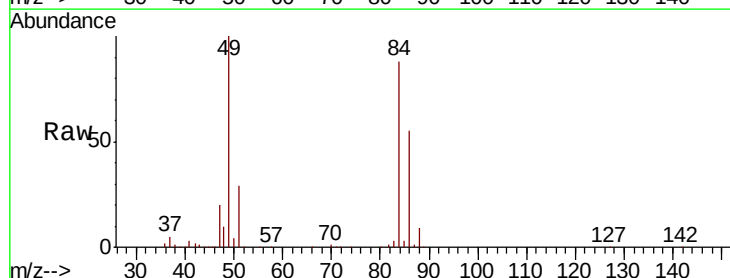
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

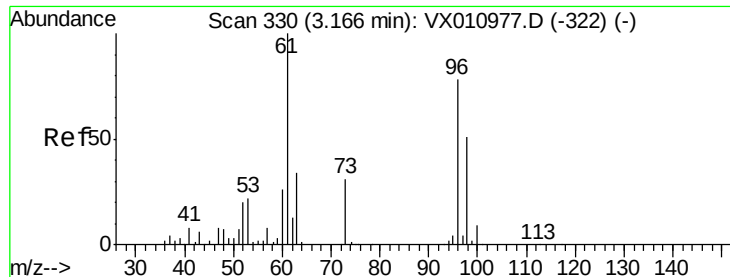
Tot Ion: 41 Resp: 165131
Ion Ratio Lower Upper
41 100
39 70.5 36.1 108.3
76 40.6 20.2 60.5



#18
Methylene Chloride
Concen: 47.329 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 84 Resp: 125886
Ion Ratio Lower Upper
84 100
49 114.1 93.2 139.8
51 33.6 28.6 42.8
86 63.1 52.9 79.3

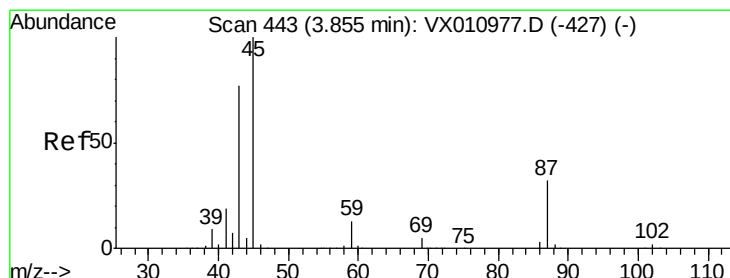
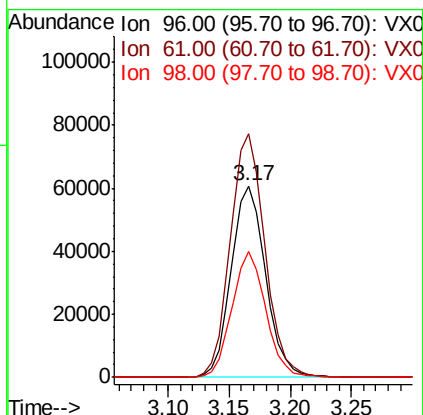
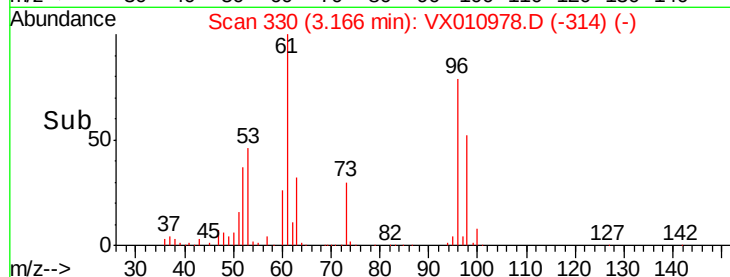
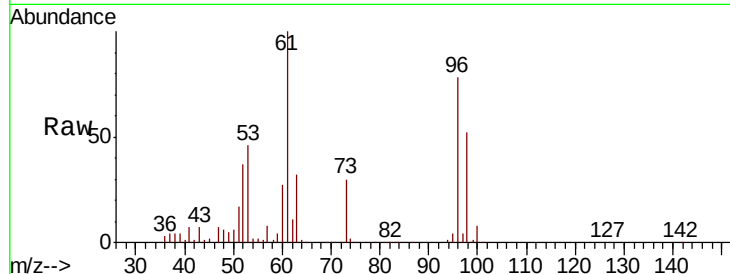




#19
trans-1,2-Dichloroethene
Concen: 49.662 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

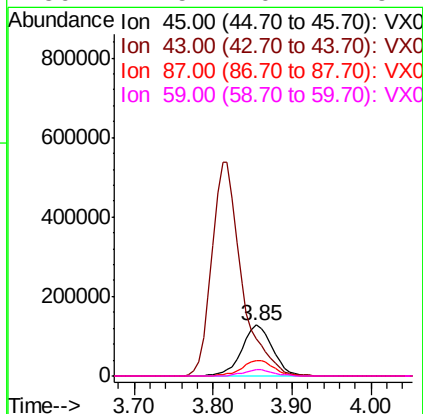
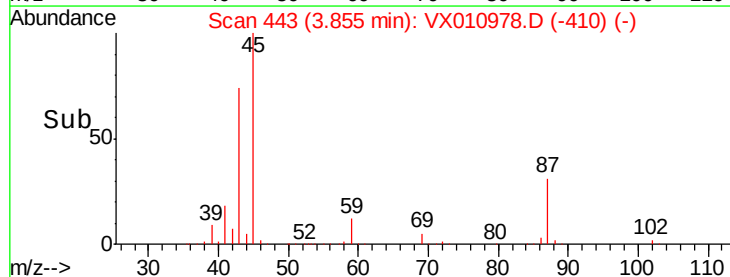
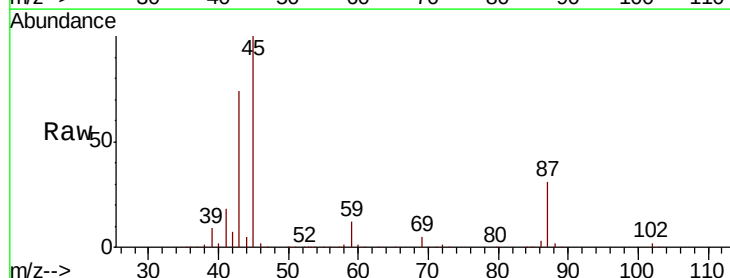
Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

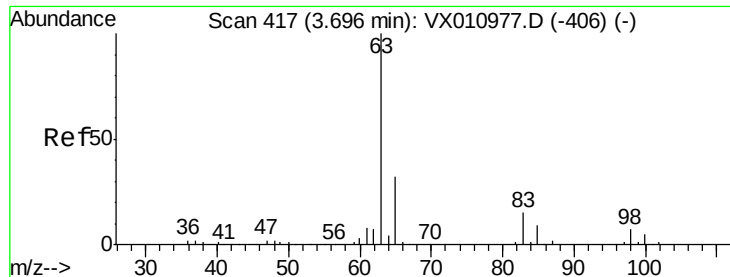
Tot Ion: 96 Resp: 118334
Ion Ratio Lower Upper
96 100
61 127.3 102.2 153.4
98 65.8 52.2 78.2



#20
Diisopropyl ether
Concen: 35.208 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 45 Resp: 344458
Ion Ratio Lower Upper
45 100
43 73.7 61.5 92.3
87 30.9 25.4 38.2
59 11.5 10.2 15.2





#21

1,1-Dichloroethane

Concen: 40.438 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

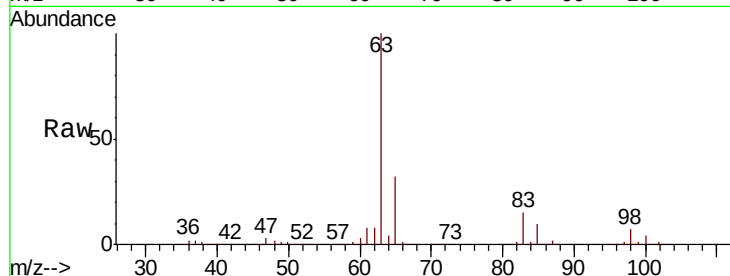
Tot Ion: 63 Resp: 196921

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

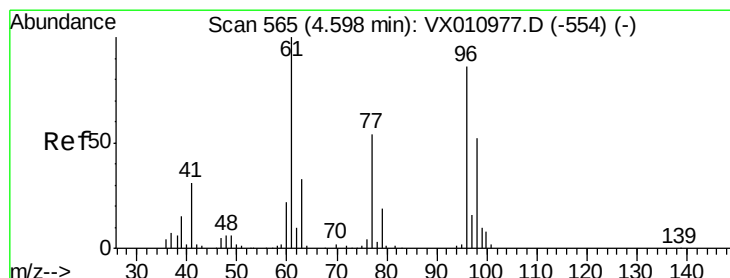
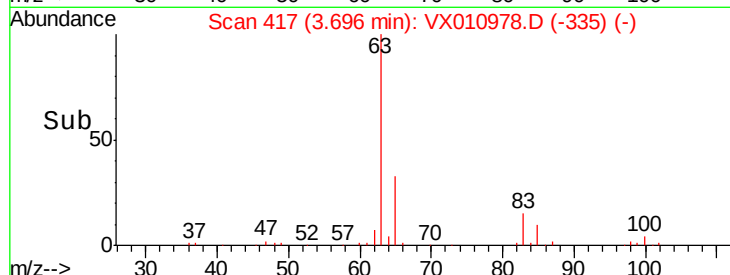
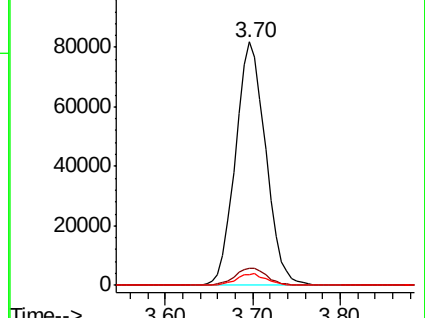
100 4.5 2.5 7.4



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: 48.323 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

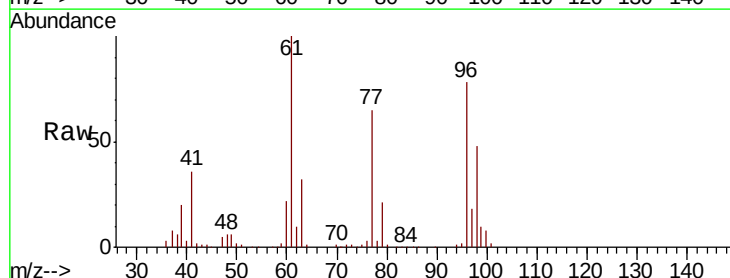
Tgt Ion: 96 Resp: 136863

Ion Ratio Lower Upper

96 100

61 128.9 102.9 154.3

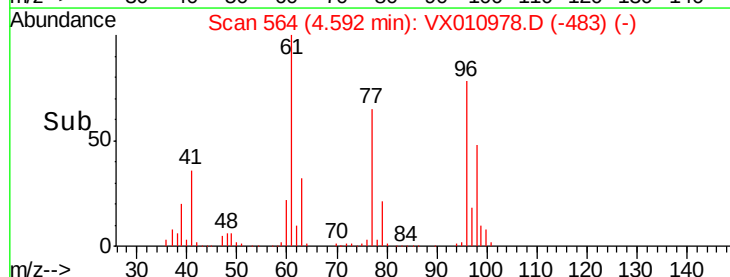
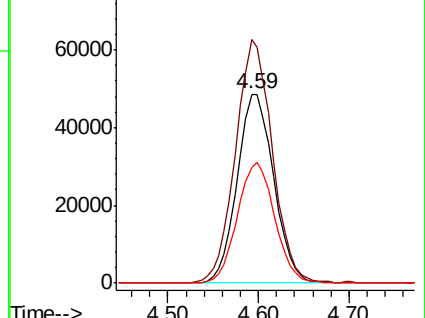
98 64.7 50.9 76.3

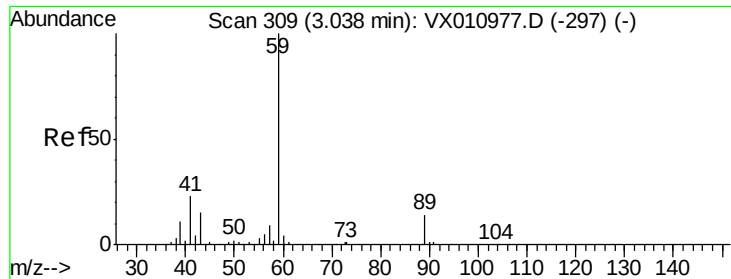


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



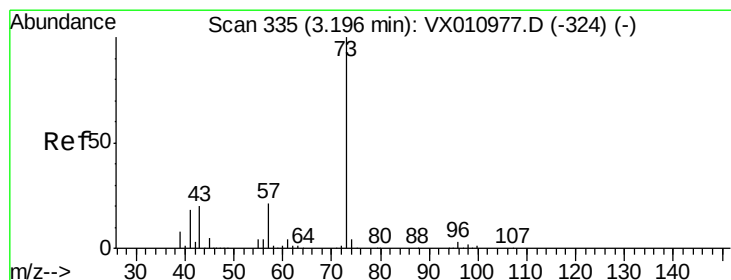
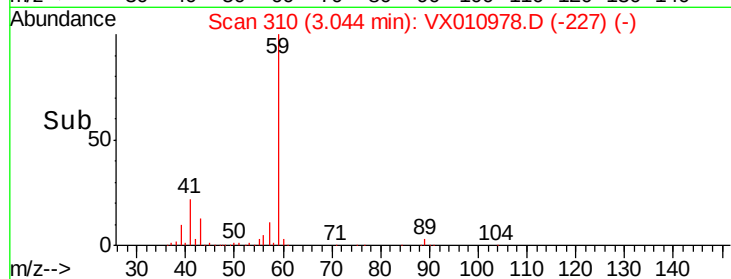
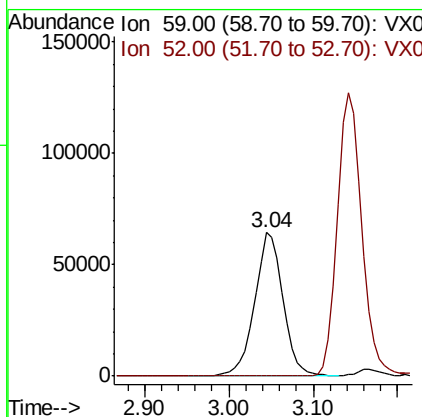
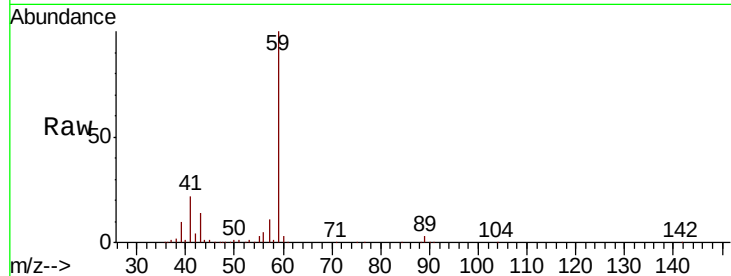


#23

tert-Butyl Alcohol
 Concen: 198.190 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

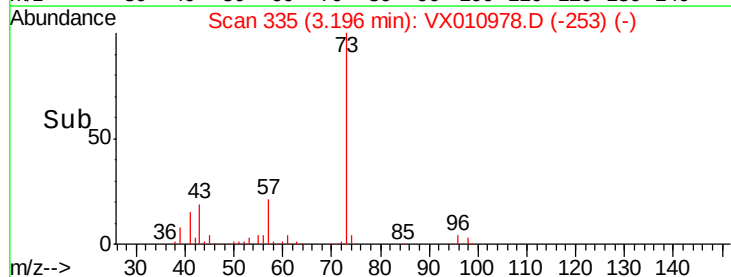
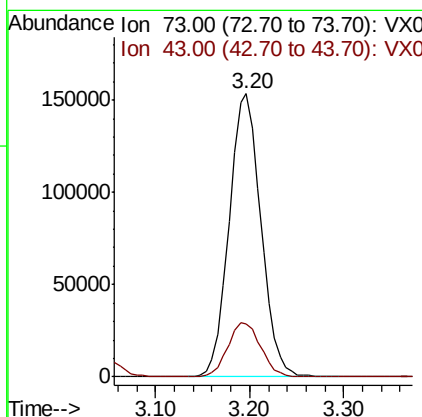
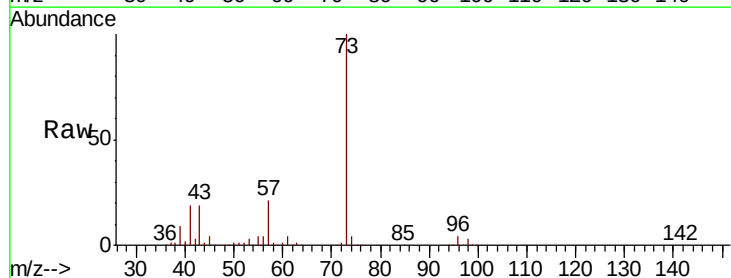
Tot Ion: 59 Resp: 148463
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.4#

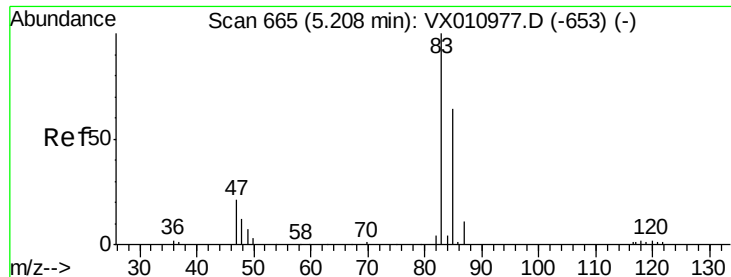


#24

Methyl tert-Butyl Ether
 Concen: 42.660 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 73 Resp: 359766
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.8 23.6





#25

Chloroform

Concen: 47.052 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

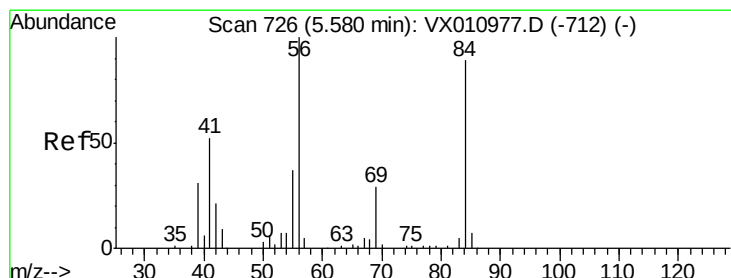
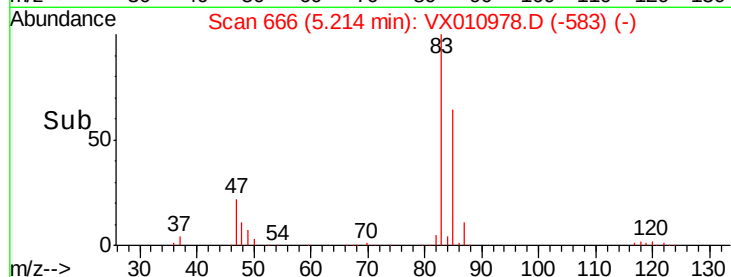
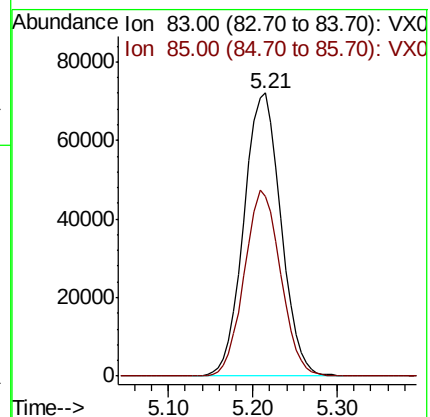
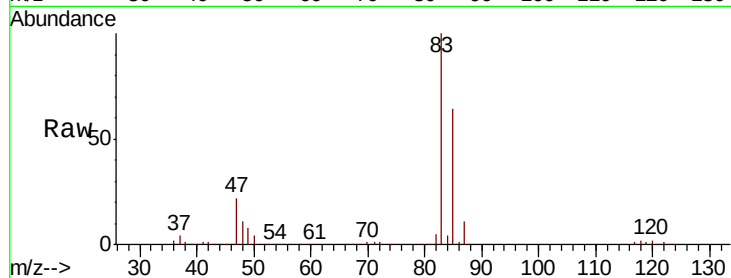
VSTDIC050

Tot Ion: 83 Resp: 215018

Ion Ratio Lower Upper

83 100

85 63.6 50.9 76.3



#26

Cyclohexane

Concen: 39.890 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

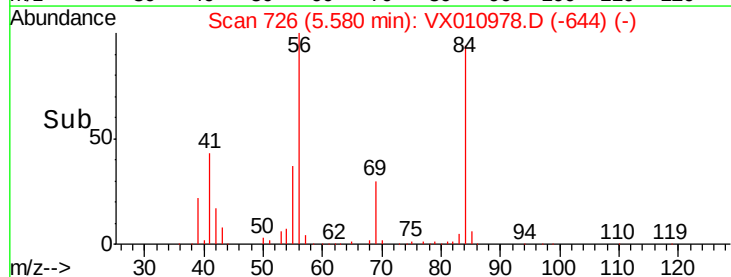
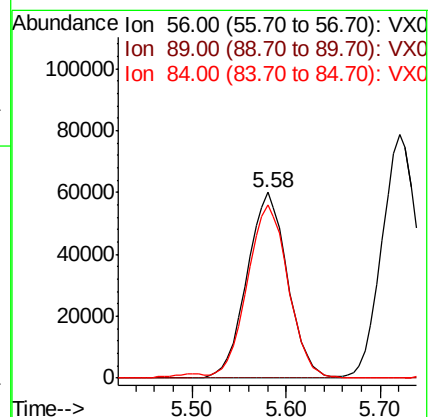
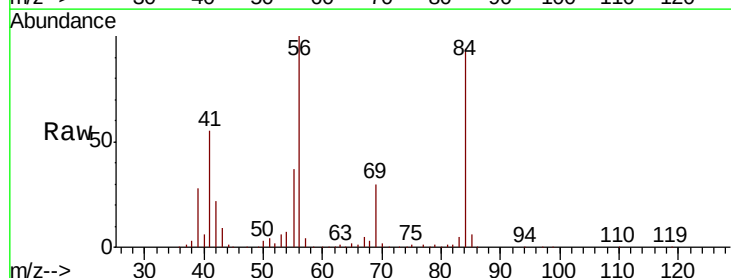
Tgt Ion: 56 Resp: 180015

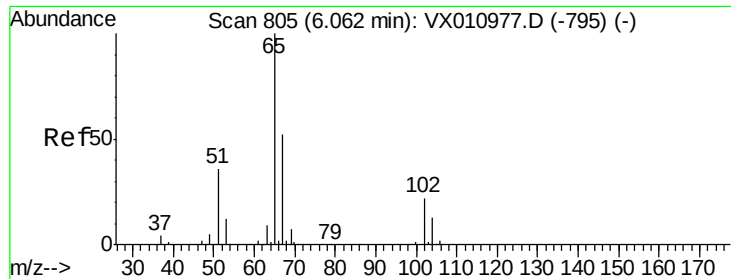
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 94.4 73.0 109.4

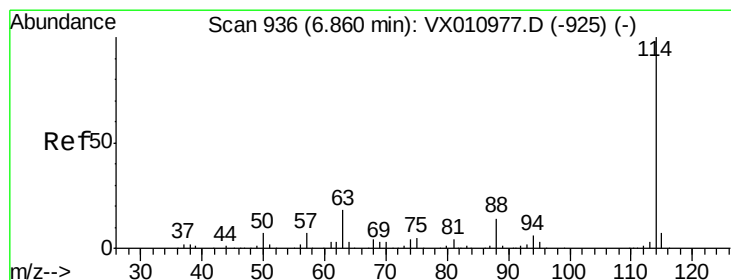
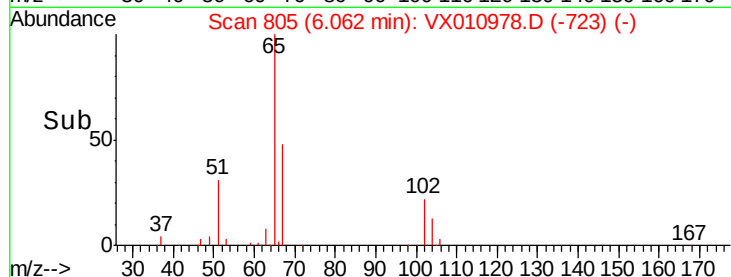
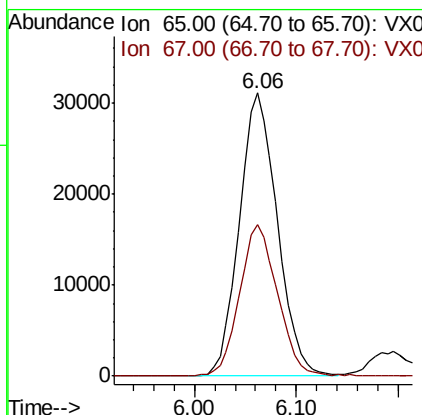
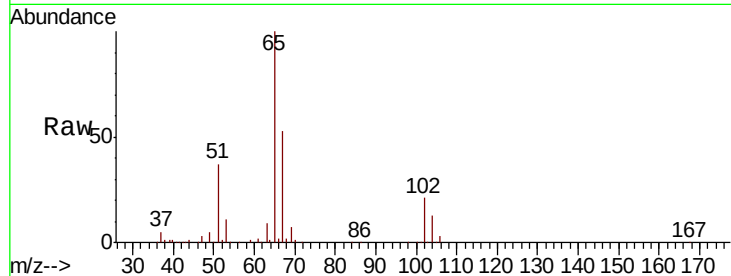




#27
 1,2-Dichloroethane-d4
 Concen: 24.931 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

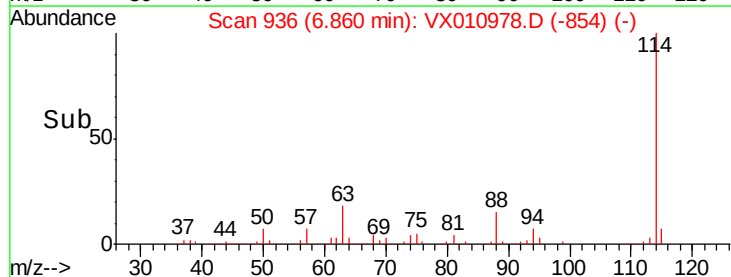
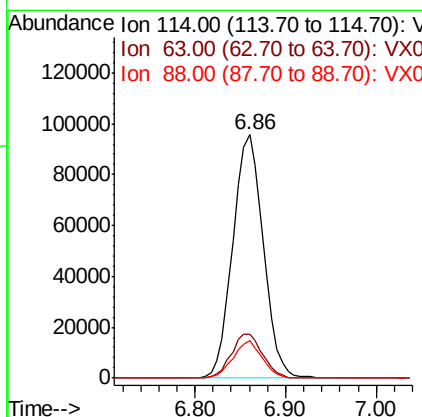
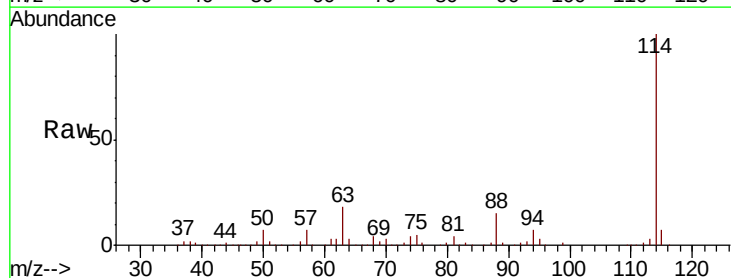
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

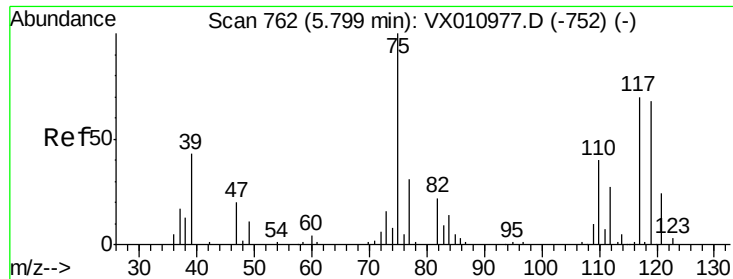
Tot Ion: 65 Resp: 80571
 Ion Ratio Lower Upper
 65 100
 67 53.3 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 114 Resp: 224086
 Ion Ratio Lower Upper
 114 100
 63 18.6 14.6 22.0
 88 14.6 11.8 17.8

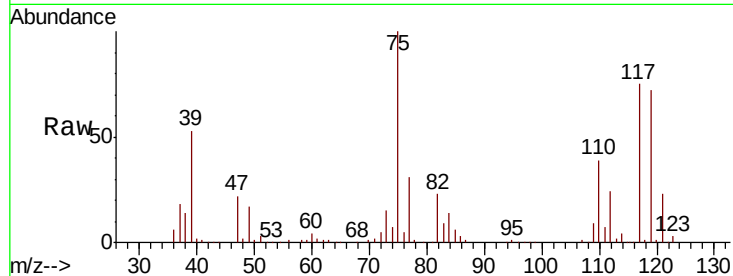




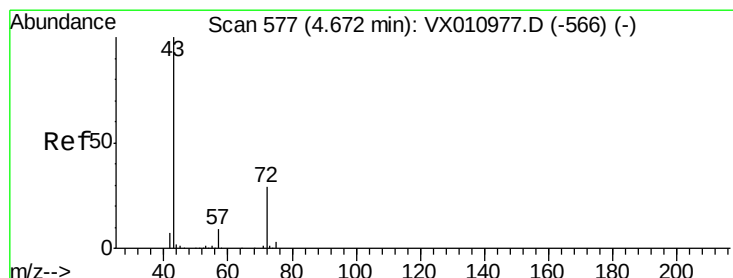
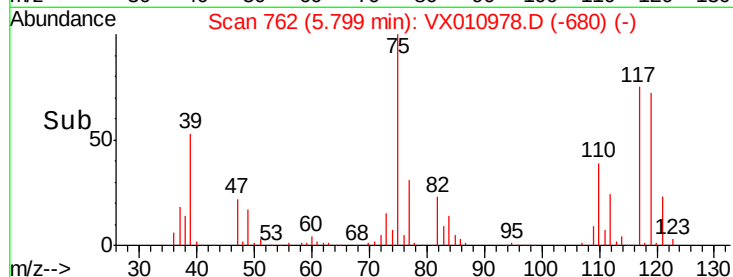
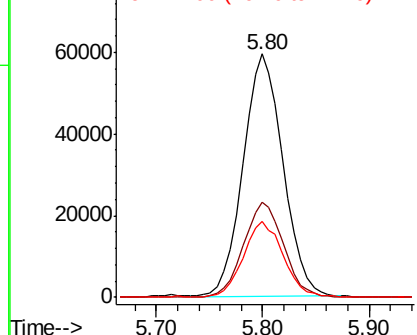
#29
 1,1-Dichloropropene
 Concen: 47.848 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 75 Resp: 155994
 Ion Ratio Lower Upper
 75 100
 110 39.3 0.0 79.8
 77 31.6 0.0 62.2

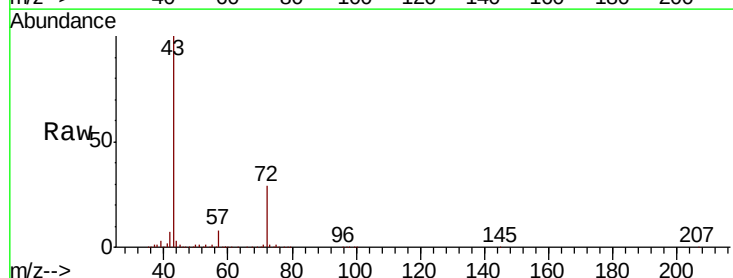


Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VX0

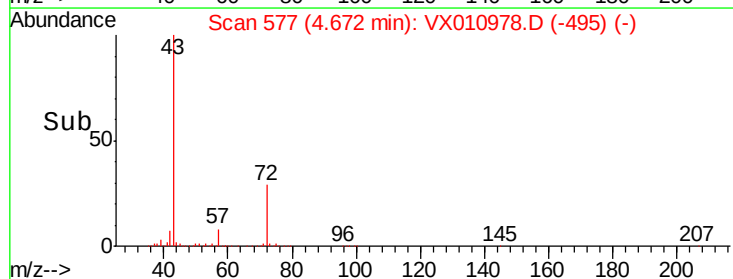
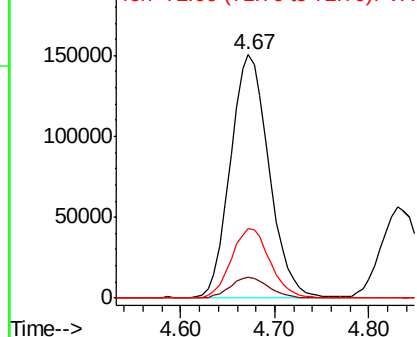


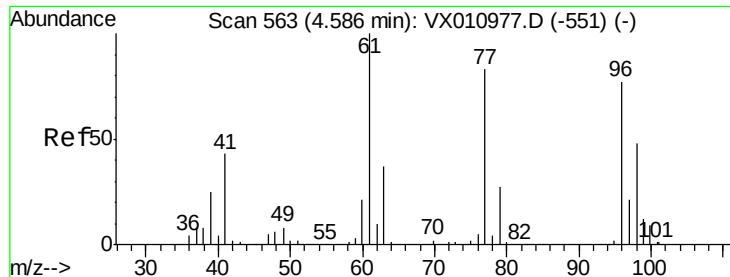
#30
 2-Butanone
 Concen: 177.525 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 43 Resp: 426627
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.8 10.2
 72 28.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0

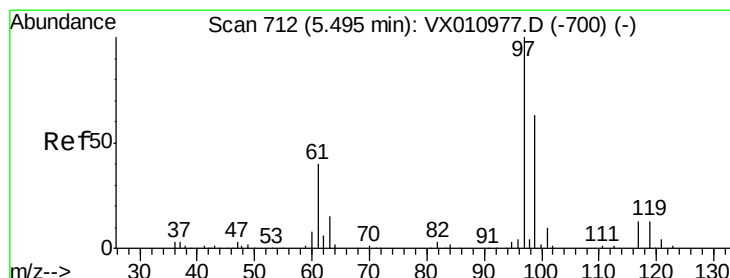
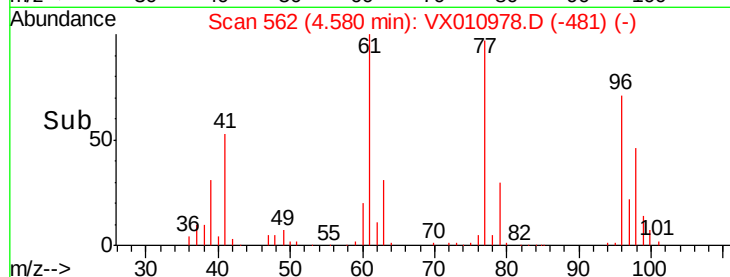
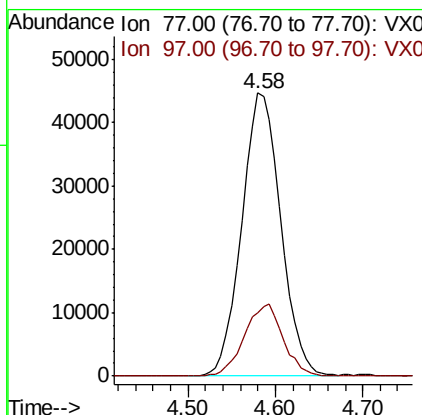
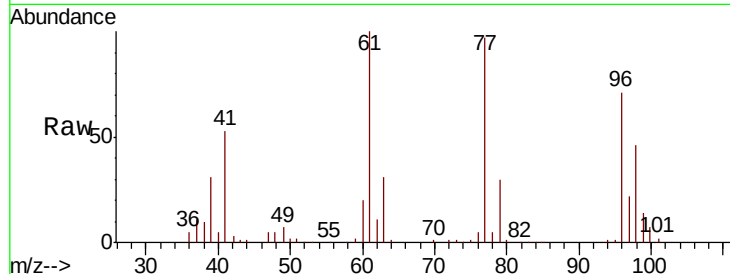




#31
 2,2-Dichloropropane
 Concen: 40.372 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

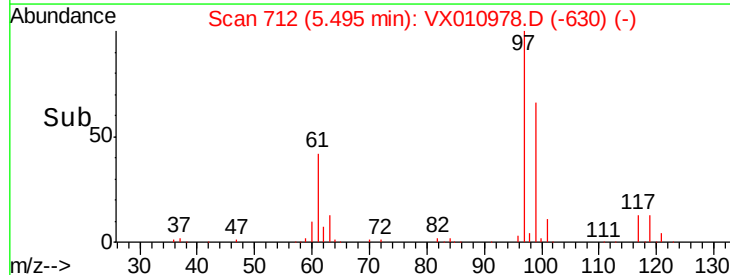
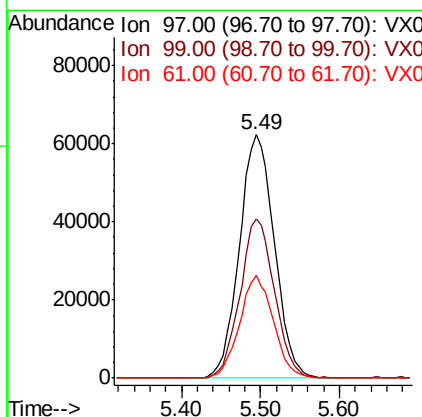
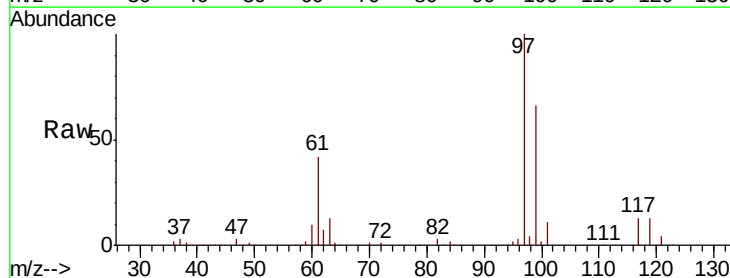
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

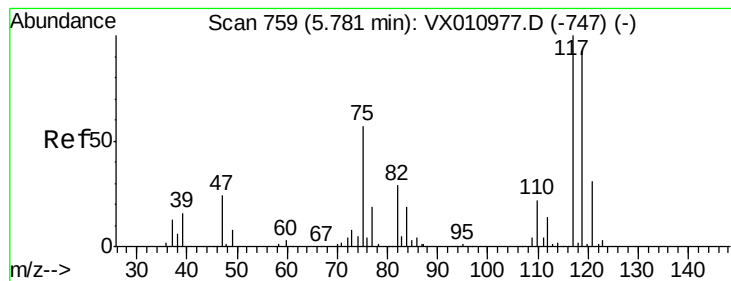
Tot Ion: 77 Resp: 138771
 Ion Ratio Lower Upper
 77 100
 97 25.2 20.9 31.3



#32
 1,1,1-Trichloroethane
 Concen: 53.222 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 97 Resp: 191961
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 40.8 34.3 51.5





#33

Carbon Tetrachloride

Concen: 56.262 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

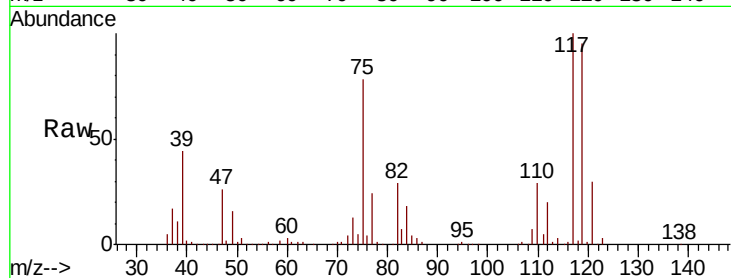
Tot Ion:117 Resp: 169595

Ion Ratio Lower Upper

117 100

119 95.4 74.3 111.5

121 29.8 24.9 37.3

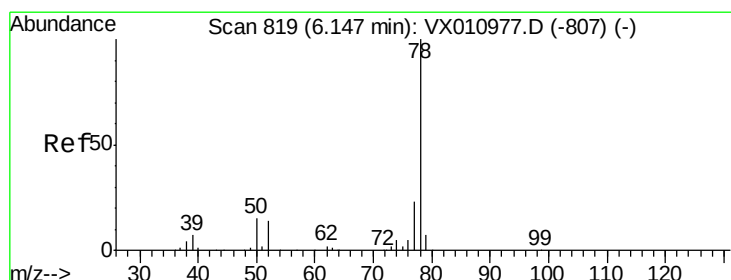
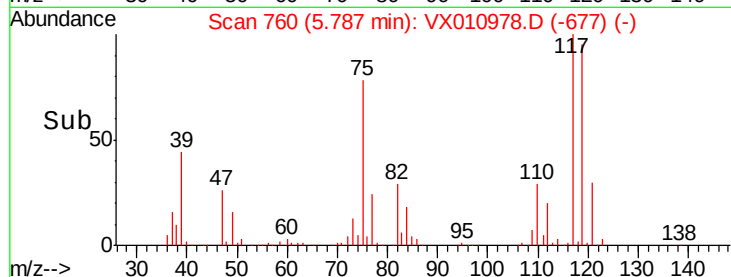
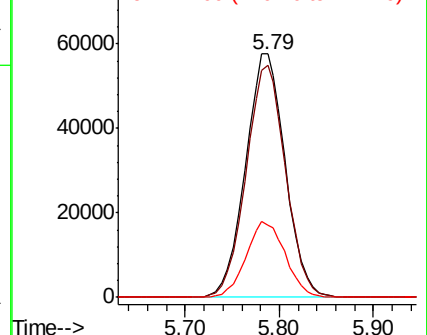


Abundance

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: 47.406 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

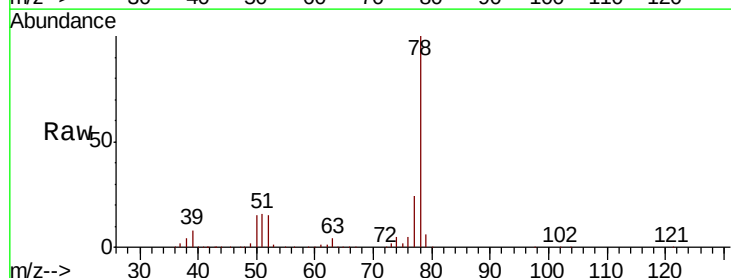
Tgt Ion: 78 Resp: 473673

Ion Ratio Lower Upper

78 100

77 24.3 18.2 27.4

51 15.1 11.4 17.2

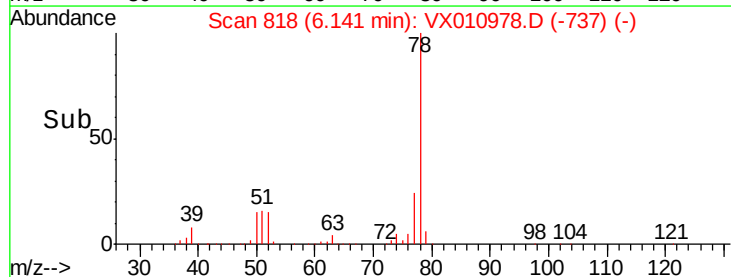
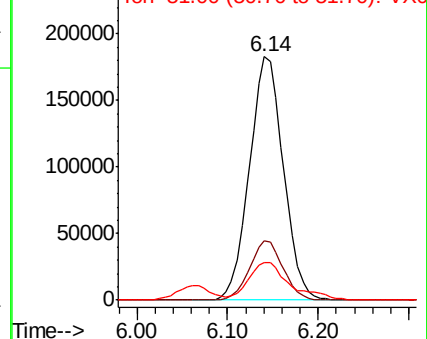


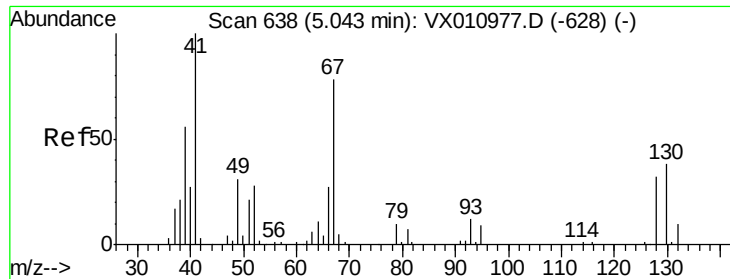
Abundance

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

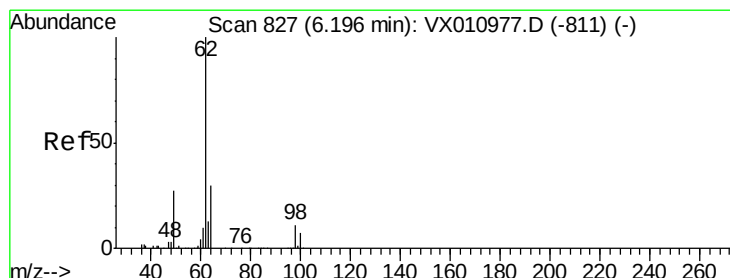
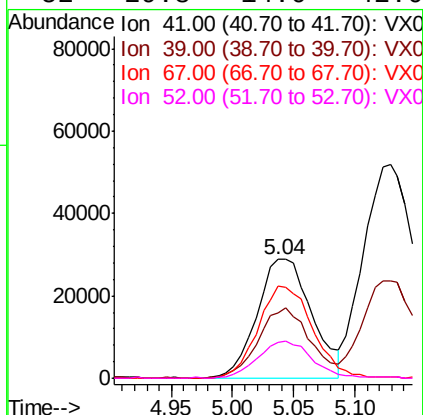
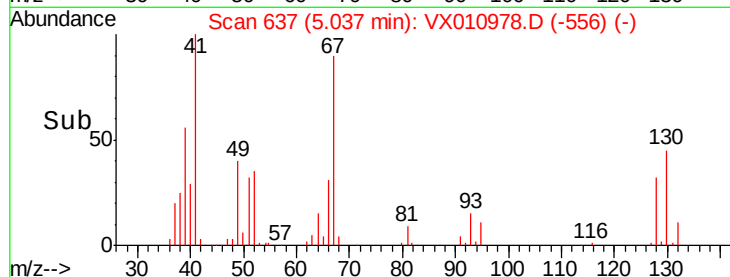
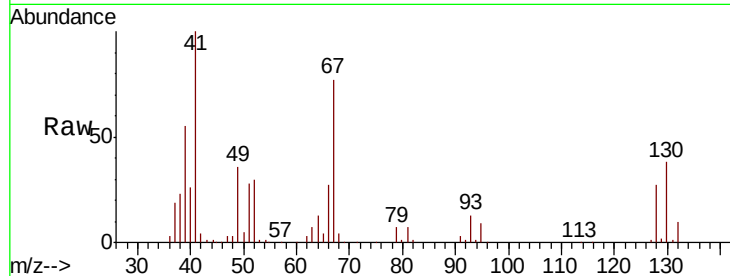




#35
Methacrylonitrile
Concen: 36.013 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

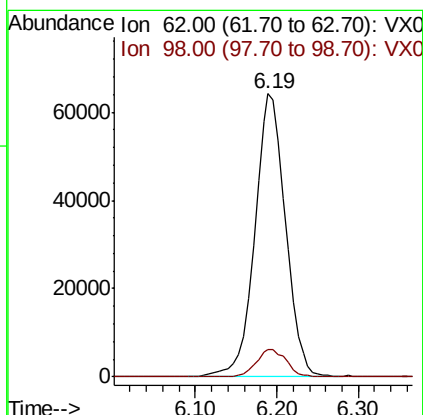
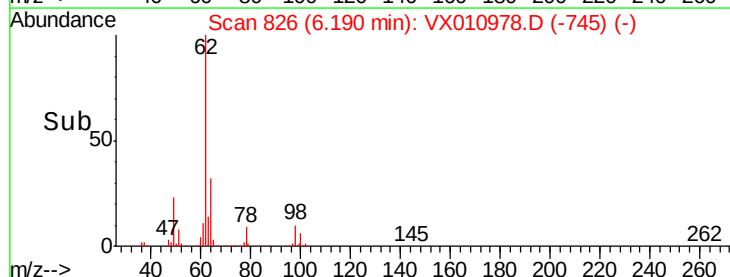
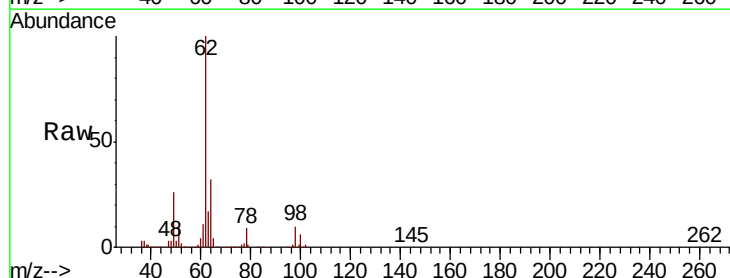
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

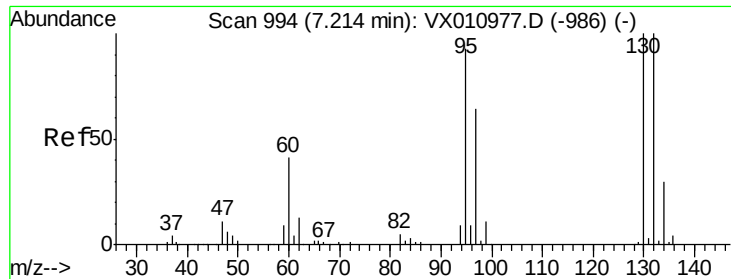
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	27.6	82.8
67	77.1	39.1	117.2
52	29.8	14.0	42.0



#36
1,2-Dichloroethane
Concen: 46.782 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	8.0	12.0

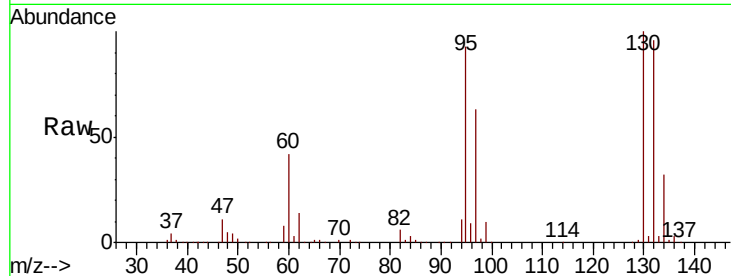




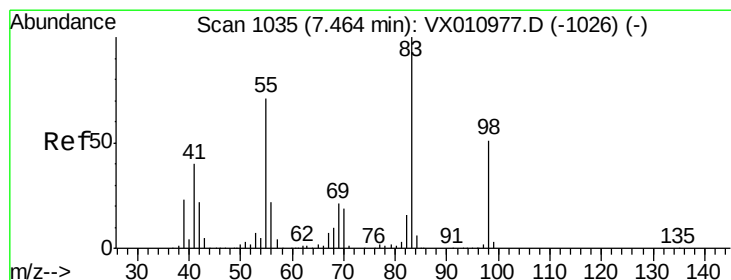
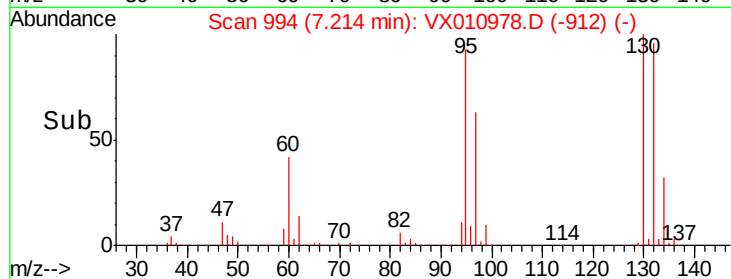
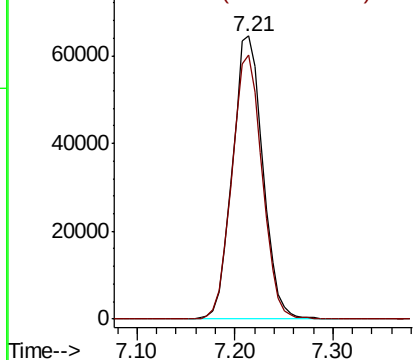
#37
 Trichloroethene
 Concen: 55.445 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 138834
 Ion Ratio Lower Upper
 130 100
 95 93.2 74.1 111.1

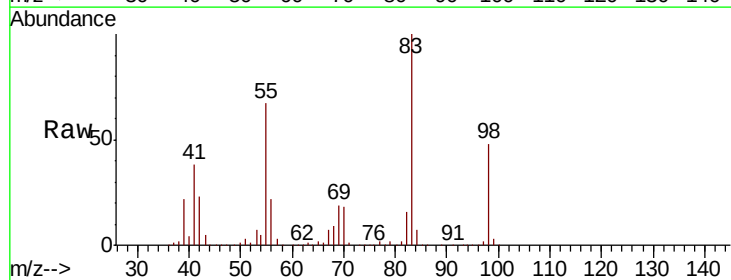


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

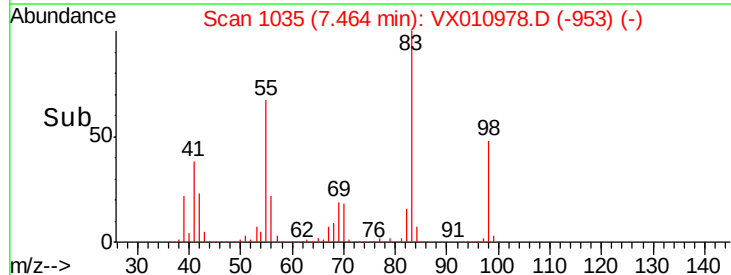
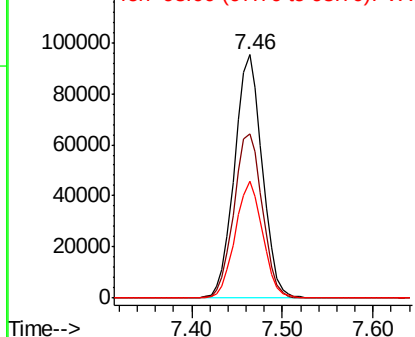


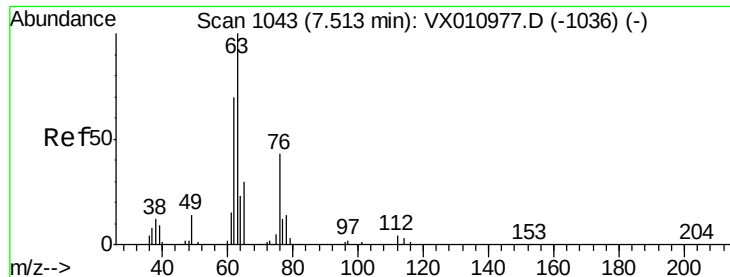
#38
 Methylcyclohexane
 Concen: 49.849 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 83 Resp: 201867
 Ion Ratio Lower Upper
 83 100
 55 69.3 35.3 105.9
 98 47.8 24.0 72.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 42.796 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

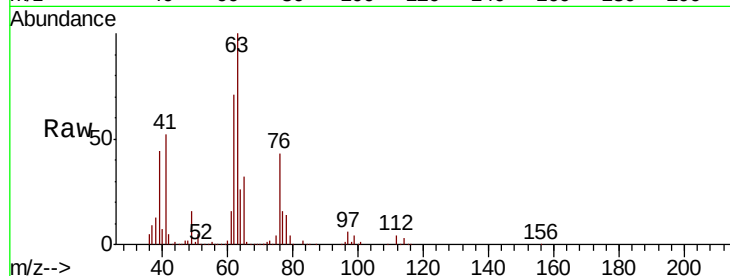
VSTDIC050

Tot Ion: 63 Resp: 119142

Ion Ratio Lower Upper

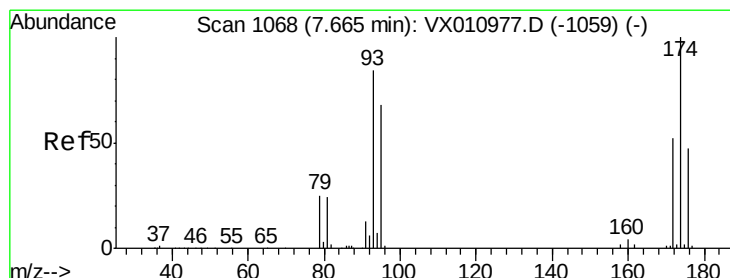
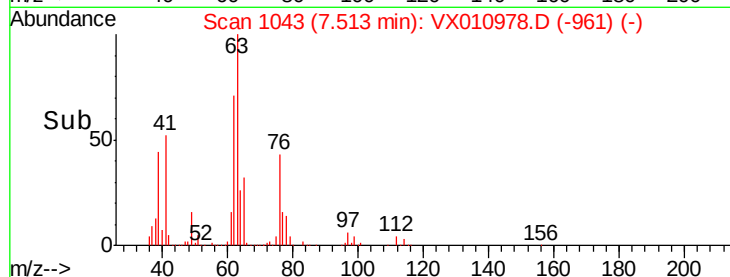
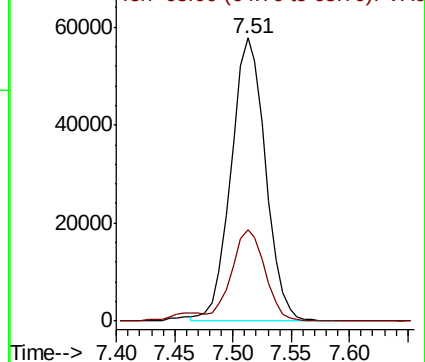
63 100

65 32.6 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 52.197 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

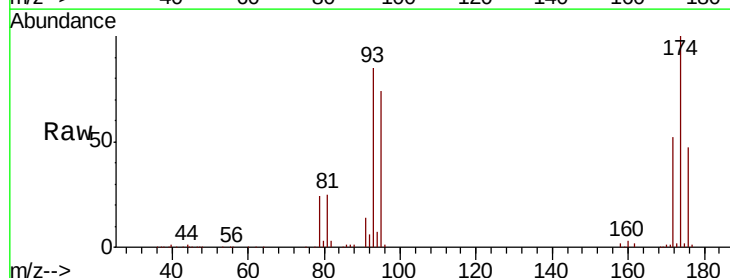
Tgt Ion: 93 Resp: 86360

Ion Ratio Lower Upper

93 100

95 84.4 0.0 166.0

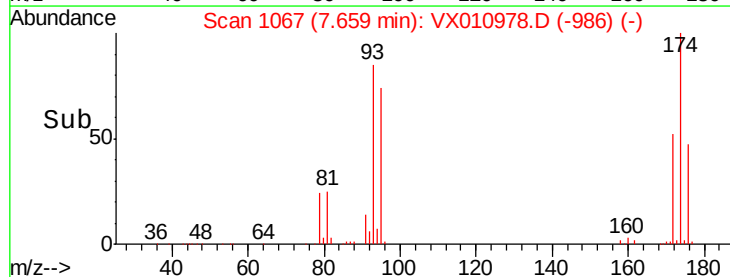
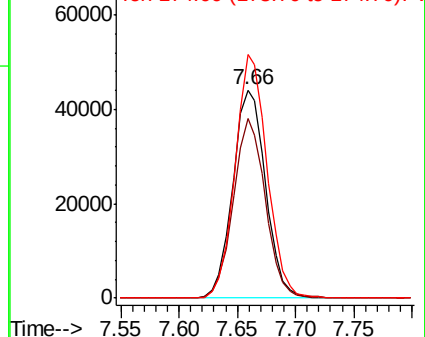
174 114.4 0.0 229.2

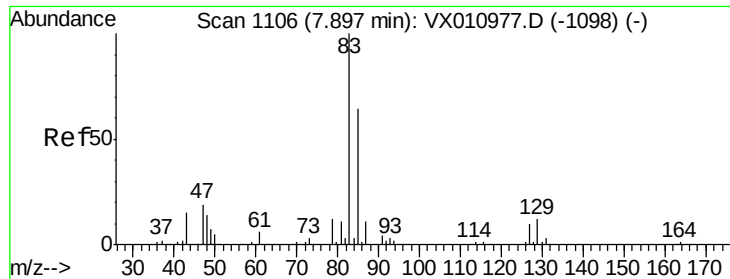


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 48.773 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

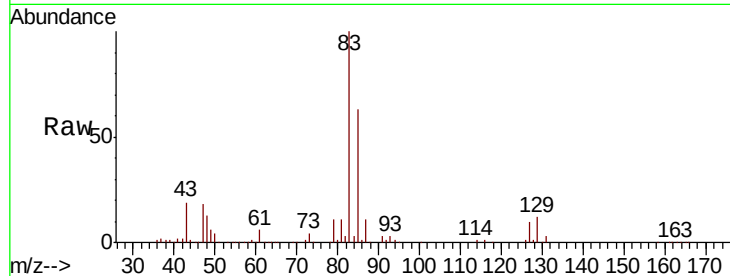
Tot Ion: 83 Resp: 160270

Ion Ratio Lower Upper

83 100

85 63.2 50.9 76.3

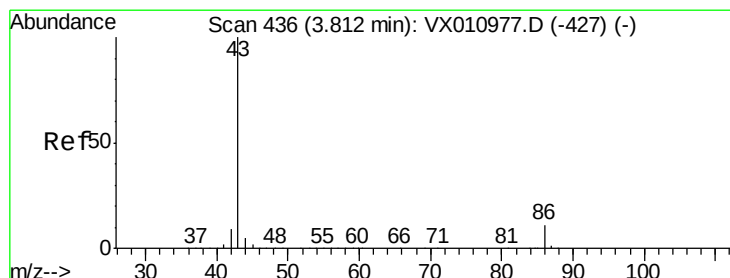
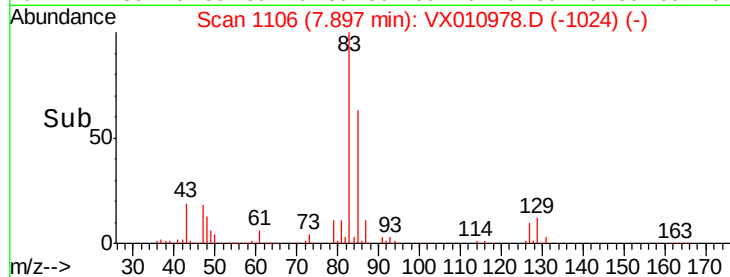
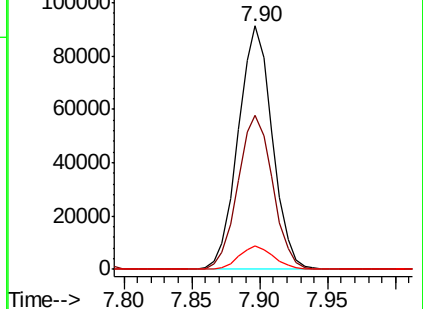
127 9.6 7.7 11.5



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: 178.592 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010978.D

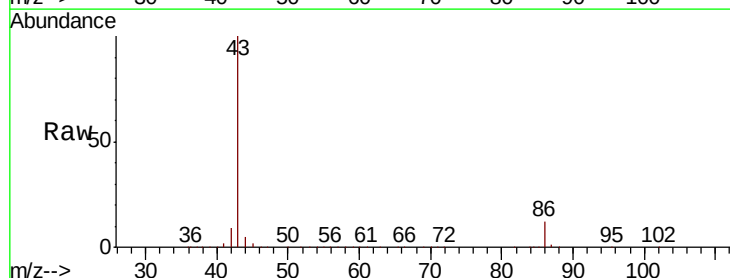
Acq: 18 Jul 2019 23:08

Tgt Ion: 43 Resp: 1409658

Ion Ratio Lower Upper

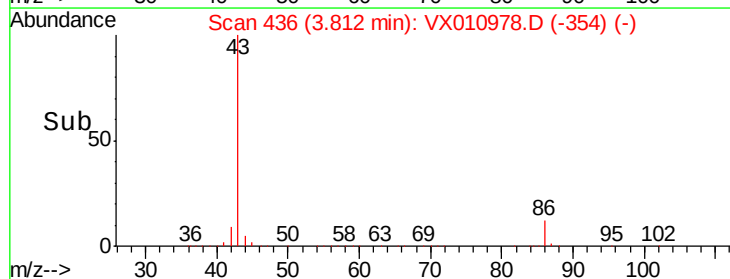
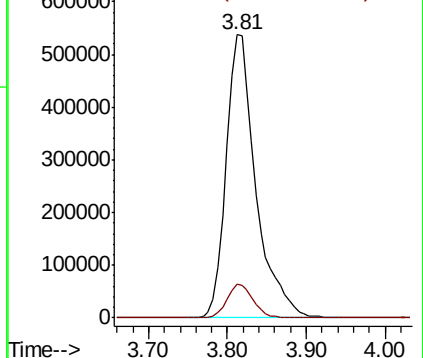
43 100

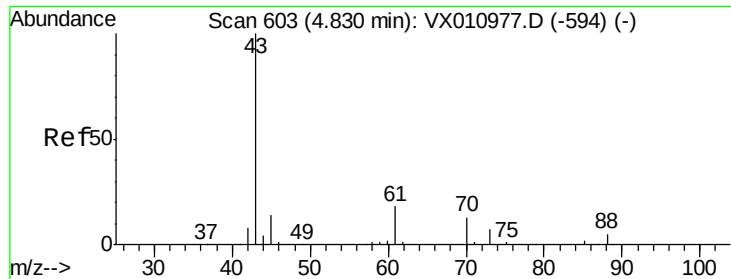
86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 37.984 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

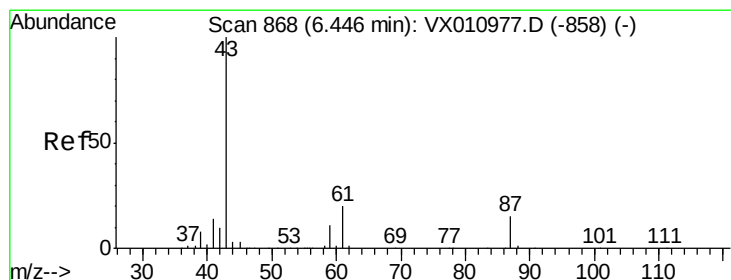
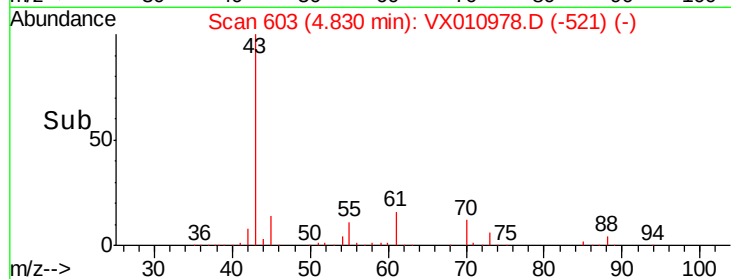
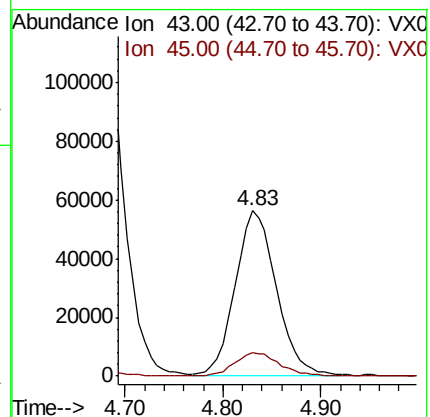
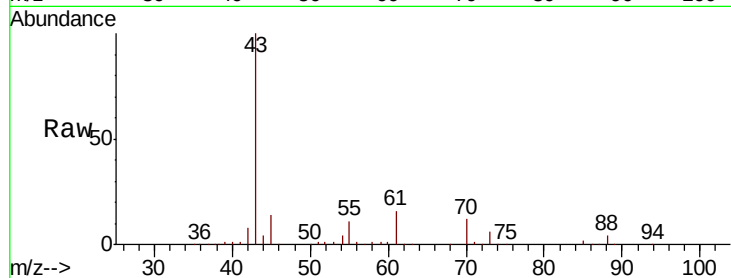
VSTDIC050

Tot Ion: 43 Resp: 164884

Ion Ratio Lower Upper

43 100

45 15.3 12.1 18.1



#44

Isopropyl Acetate

Concen: 37.705 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010978.D

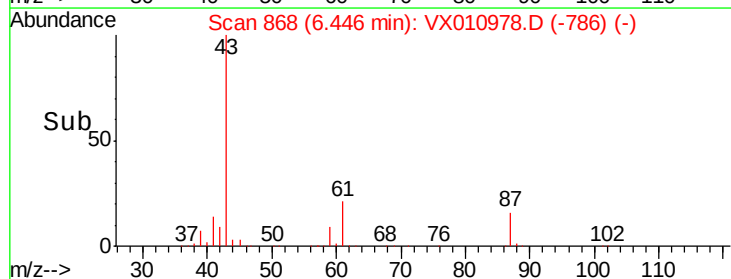
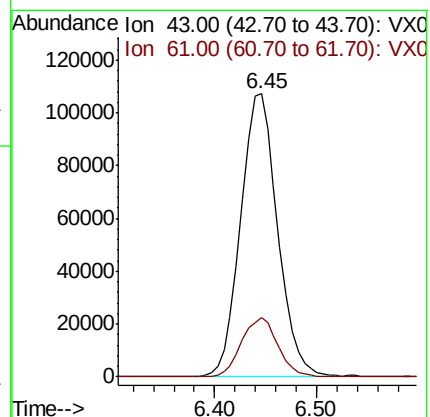
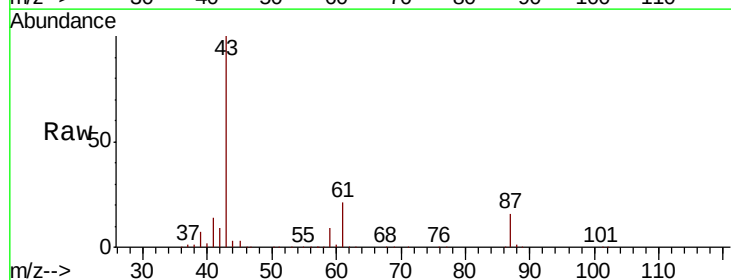
Acq: 18 Jul 2019 23:08

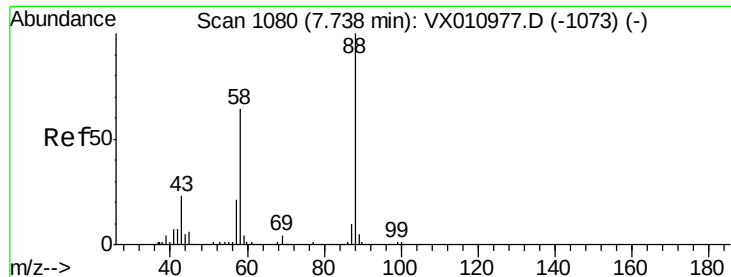
Tgt Ion: 43 Resp: 268221

Ion Ratio Lower Upper

43 100

61 20.9 16.7 25.1

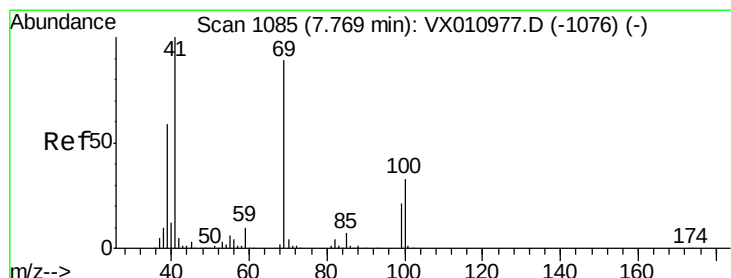
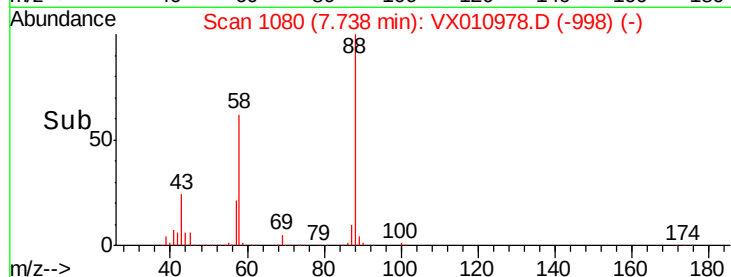
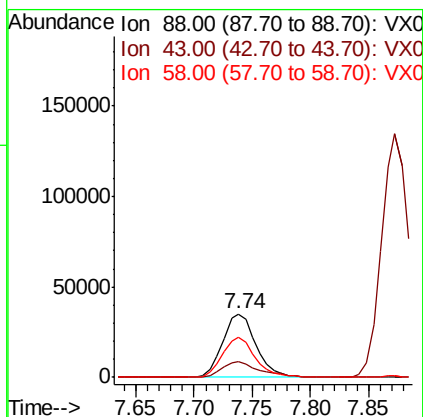
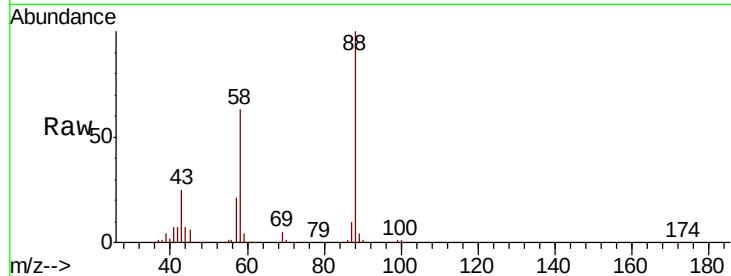




#45
1,4-Dioxane
Concen: 940.031 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

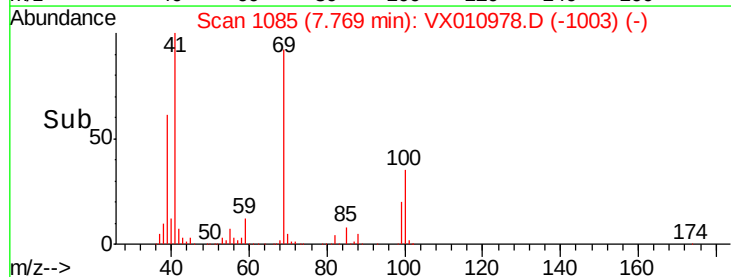
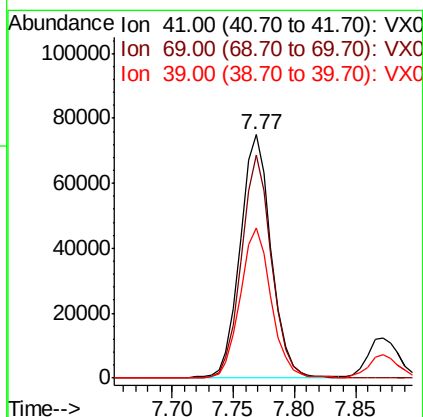
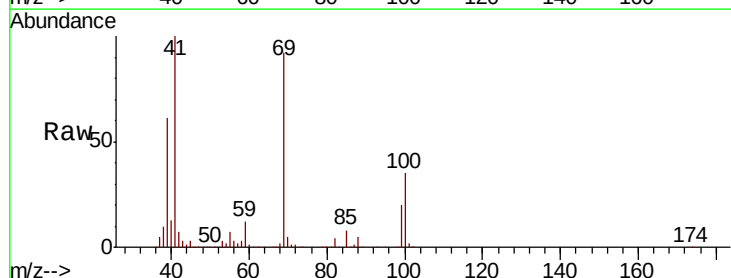
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

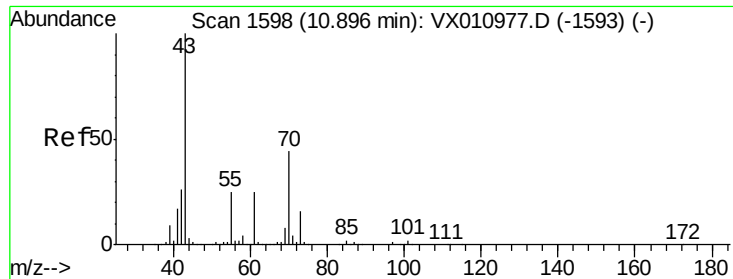
Tot Ion: 88 Resp: 69376
Ion Ratio Lower Upper
88 100
43 27.5 21.6 32.4
58 62.6 52.2 78.2



#46
Methyl methacrylate
Concen: 37.066 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 41 Resp: 130619
Ion Ratio Lower Upper
41 100
69 92.0 44.7 134.1
39 61.4 29.4 88.2





#47

n-amvl Acetate

Concen: 39.275 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

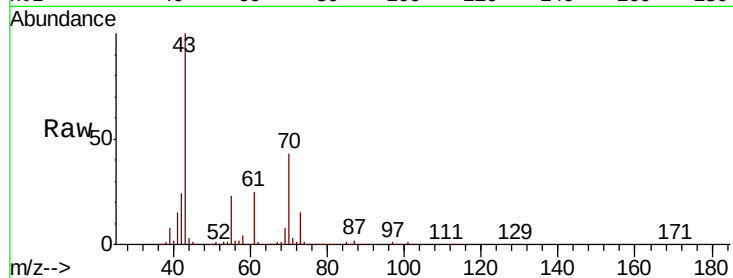
VSTDIC050

Tot Ion: 43 Resp: 251352

Ion Ratio Lower Upper

43 100

55 23.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

250000

200000

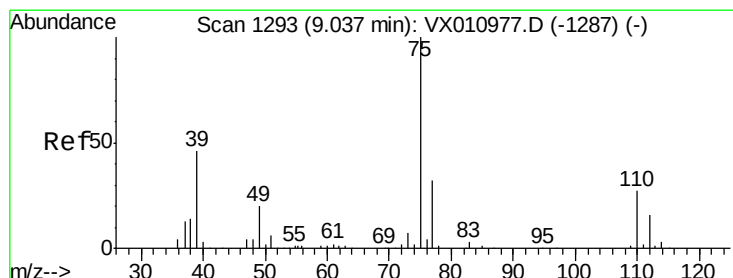
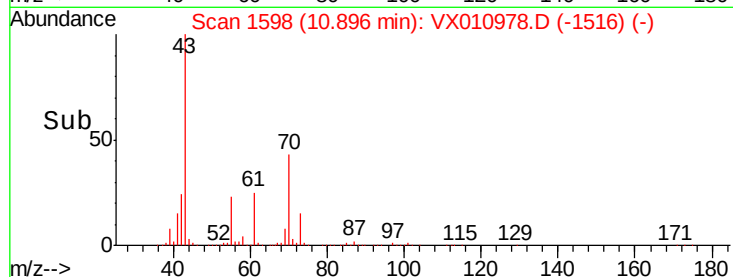
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 45.812 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010978.D

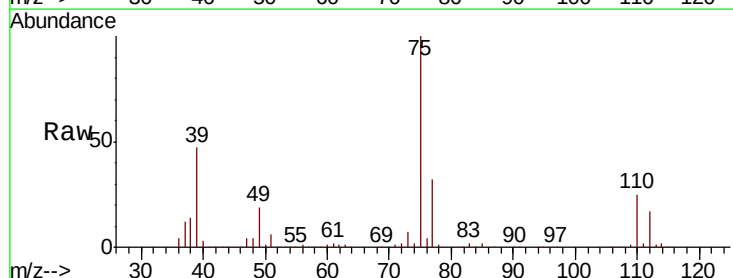
Acq: 18 Jul 2019 23:08

Tgt Ion: 75 Resp: 172669

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

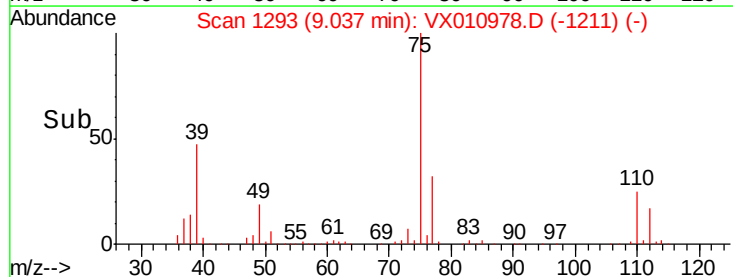
9.04

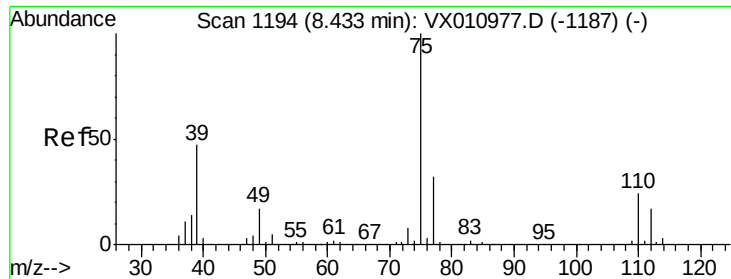
100000

50000

0

Time-->



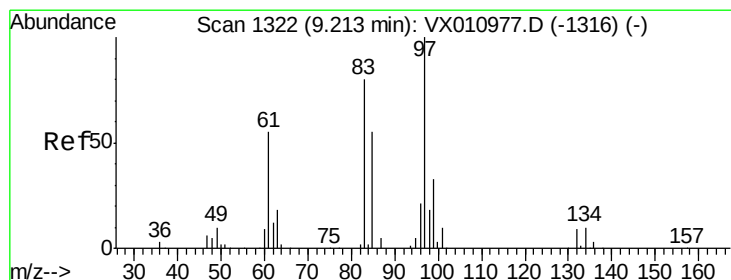
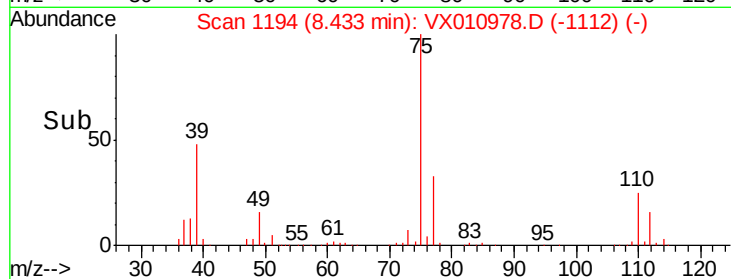
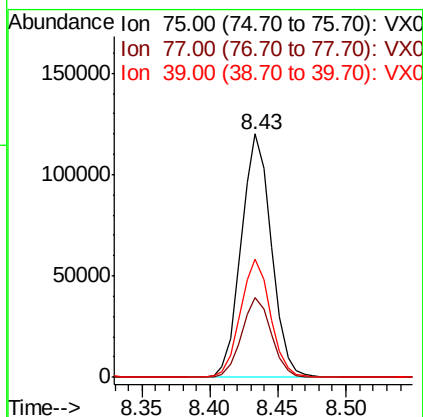
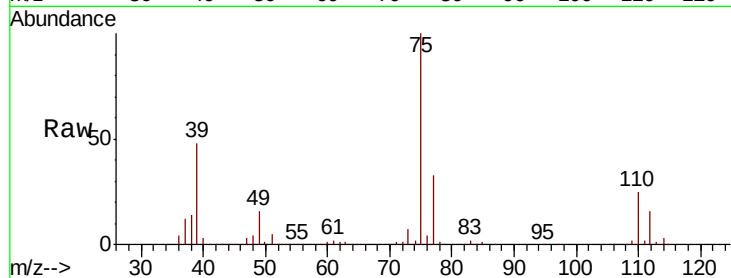


#49

cis-1,3-Dichloropropene
Concen: 44.930 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

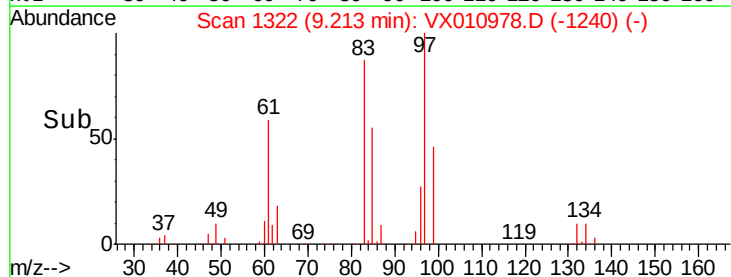
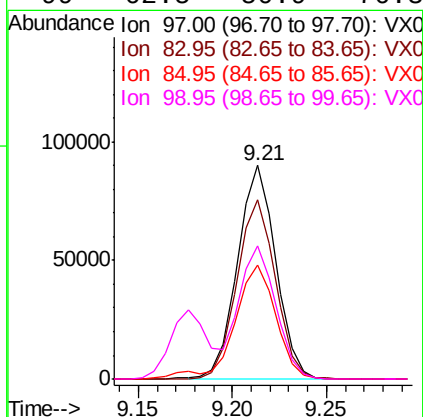
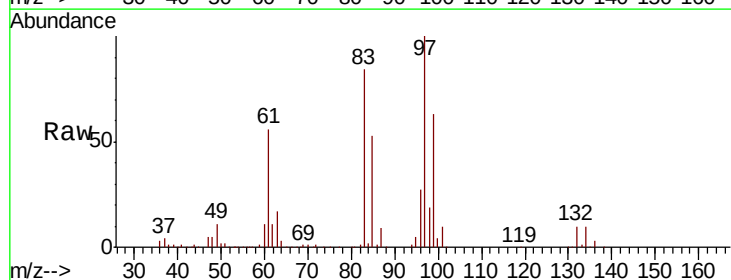
Tot Ion: 75 Resp: 186371
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9
39 48.4 37.8 56.6

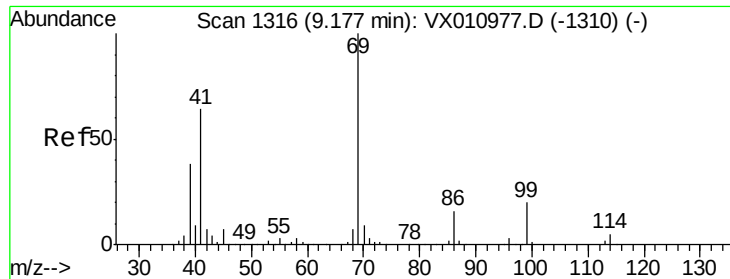


#50

1,1,2-Trichloroethane
Concen: 50.167 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 97 Resp: 126009
Ion Ratio Lower Upper
97 100
83 84.1 63.9 95.9
85 53.4 43.4 65.2
99 62.5 50.9 76.3





#51

Ethyl methacrylate

Concen: 44.280 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

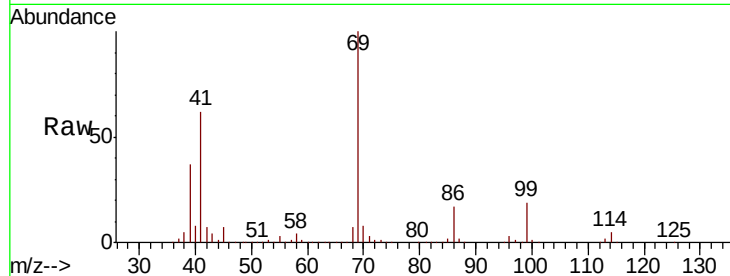
Tot Ion: 69 Resp: 198385

Ion Ratio Lower Upper

69 100

41 61.9 32.1 96.3

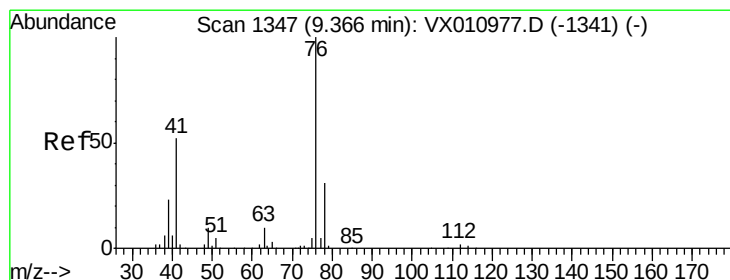
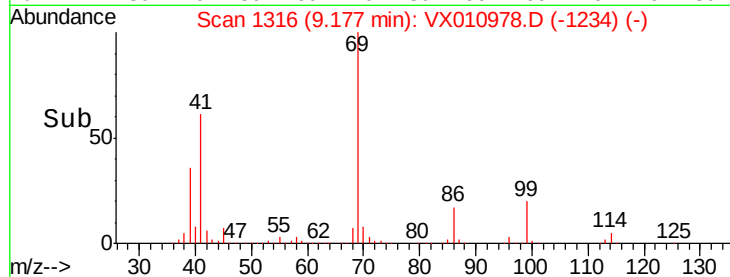
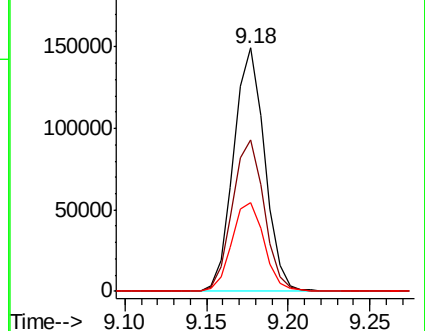
39 36.5 19.1 57.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 46.872 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010978.D

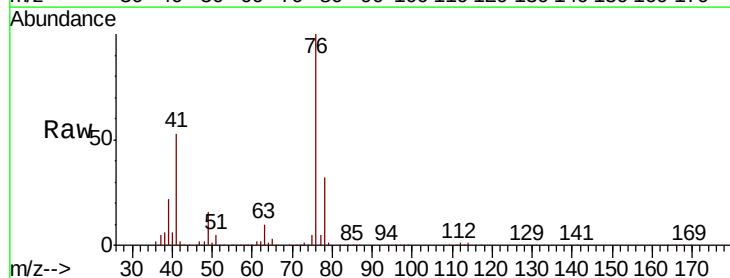
Acq: 18 Jul 2019 23:08

Tgt Ion: 76 Resp: 205195

Ion Ratio Lower Upper

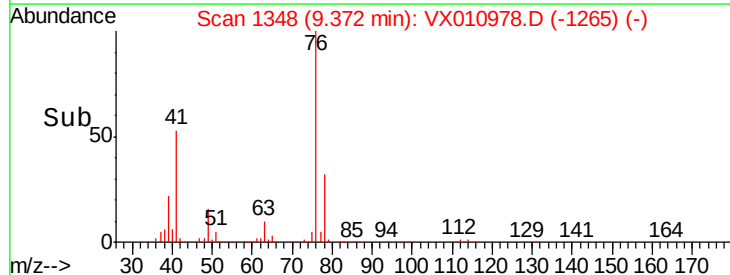
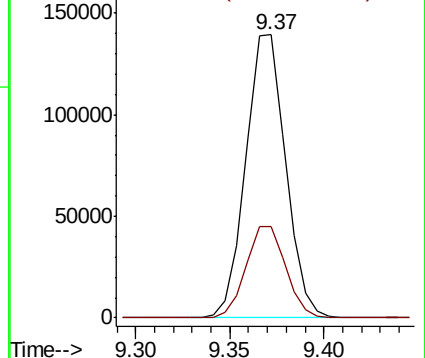
76 100

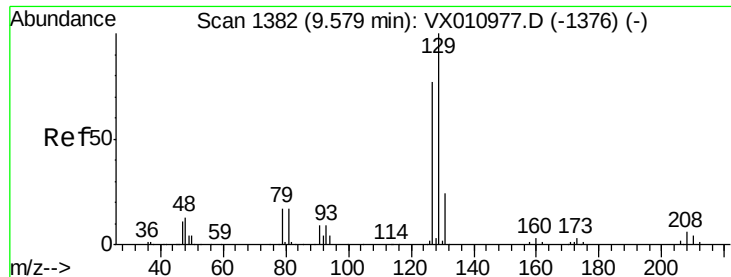
78 32.2 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 56.019 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

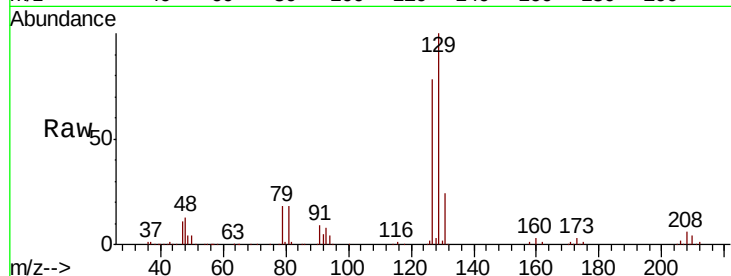
VSTDIC050

Tot Ion:129 Resp: 141638

Ion Ratio Lower Upper

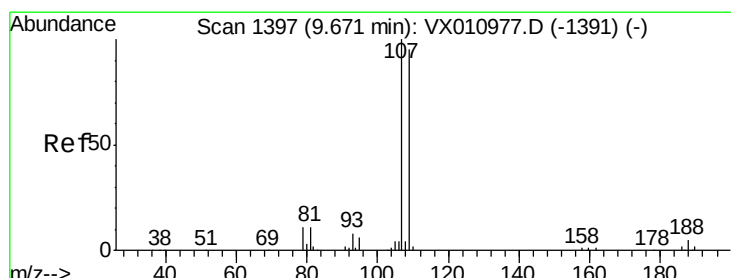
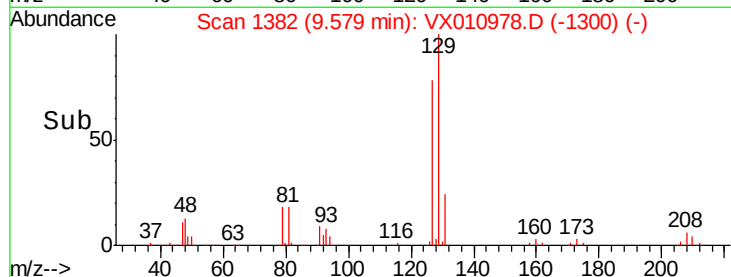
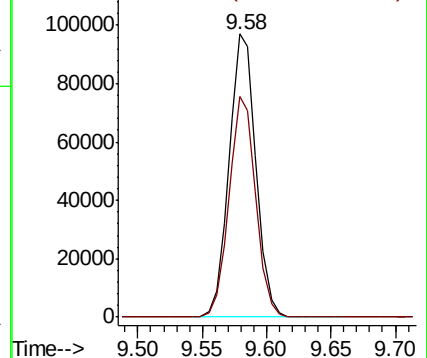
129 100

127 77.3 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 53.522 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010978.D

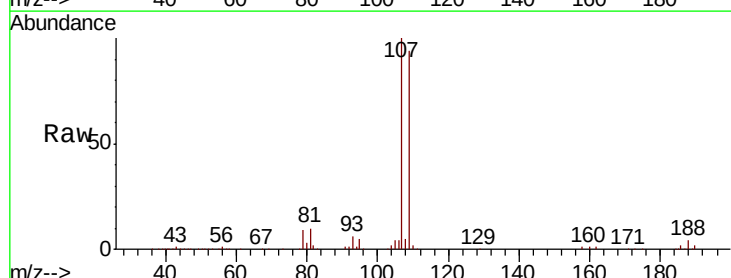
Acq: 18 Jul 2019 23:08

Tgt Ion:107 Resp: 139326

Ion Ratio Lower Upper

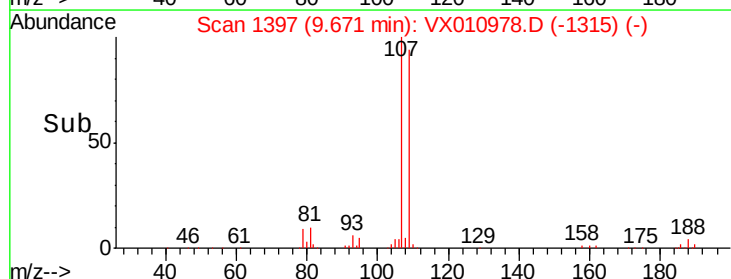
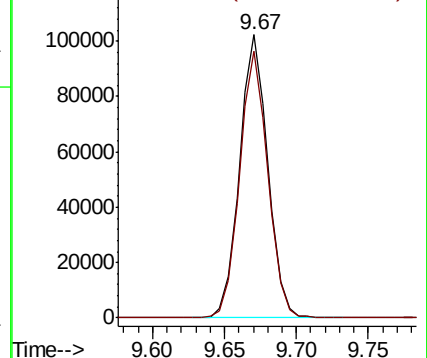
107 100

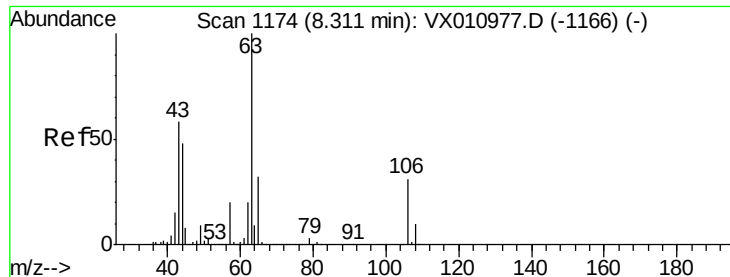
109 93.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

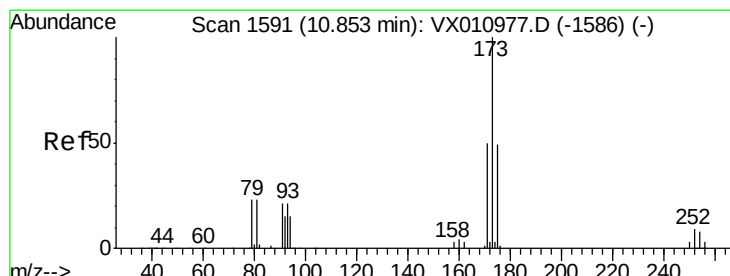
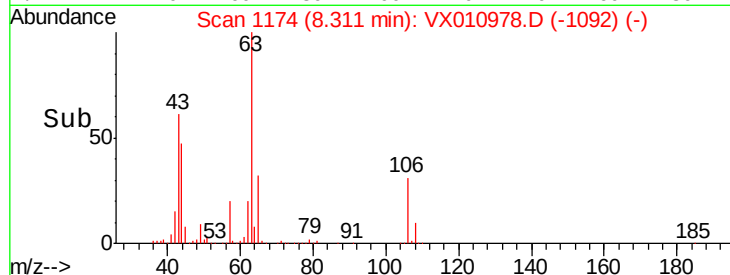
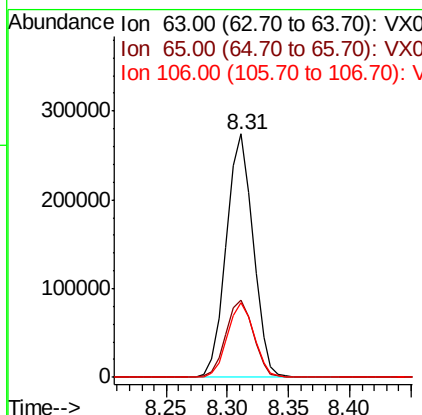
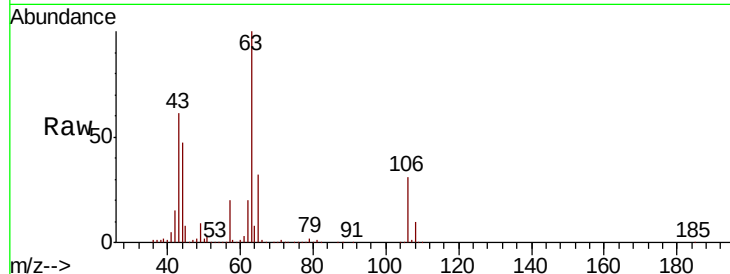




#55
 2-Chloroethyl vinyl ether
 Concen: 182.242 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

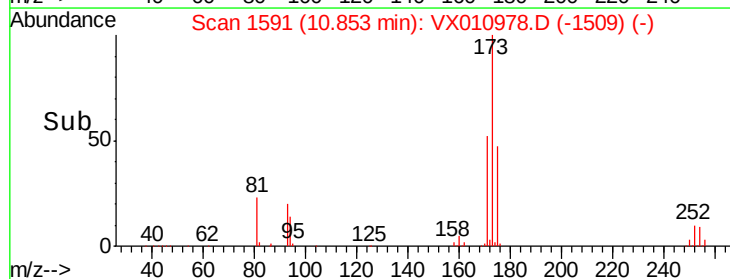
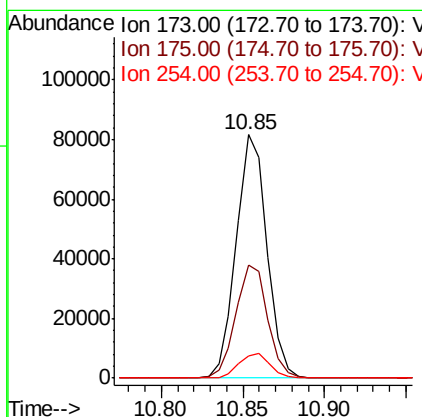
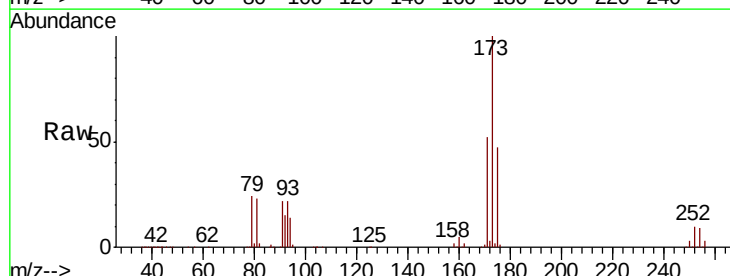
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

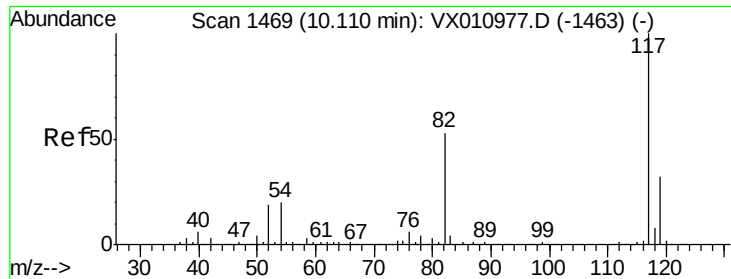
Tot Ion: 63 Resp: 417309
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.7 38.5
 106 30.6 24.8 37.2



#56
 Bromoform
 Concen: 55.663 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 173 Resp: 107147
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.6
 254 10.2 7.9 11.9

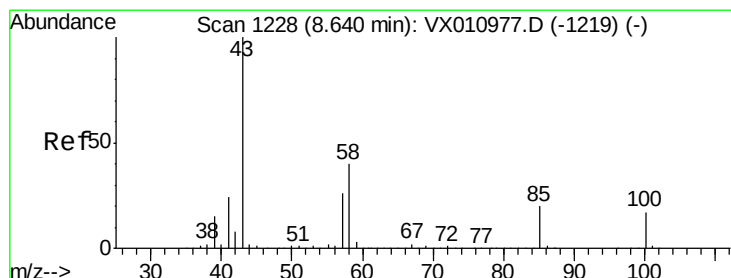
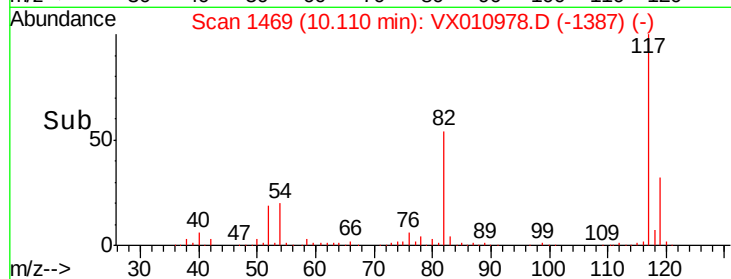
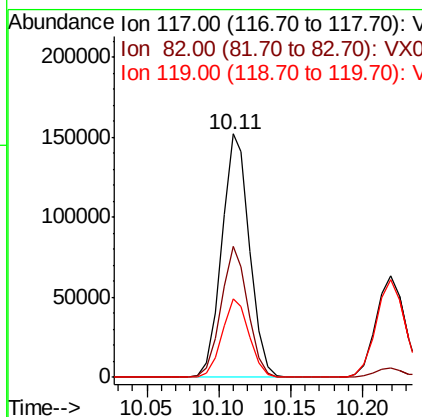
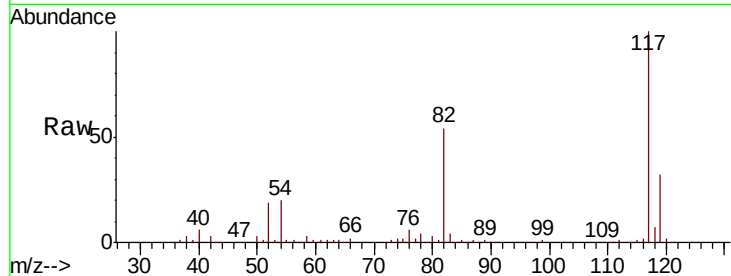




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

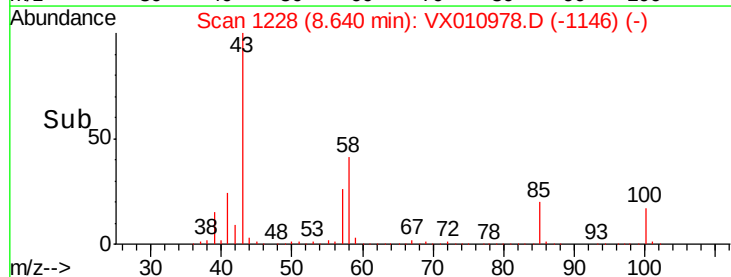
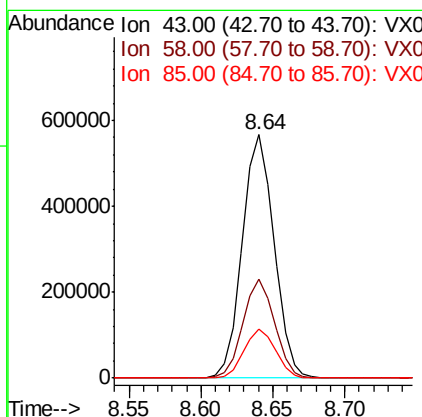
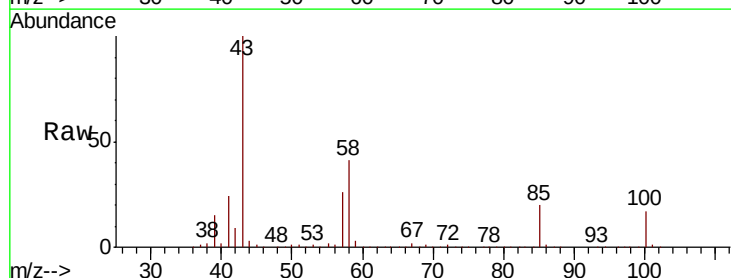
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

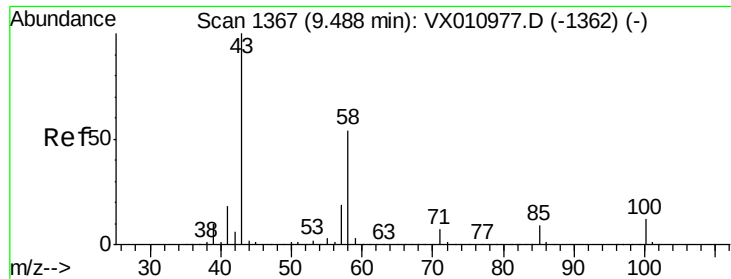
Tot Ion:117 Resp: 205325
Ion Ratio Lower Upper
117 100
82 52.3 41.6 62.4
119 32.0 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 183.277 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 43 Resp: 868190
Ion Ratio Lower Upper
43 100
58 40.3 32.6 48.8
85 20.1 15.8 23.6

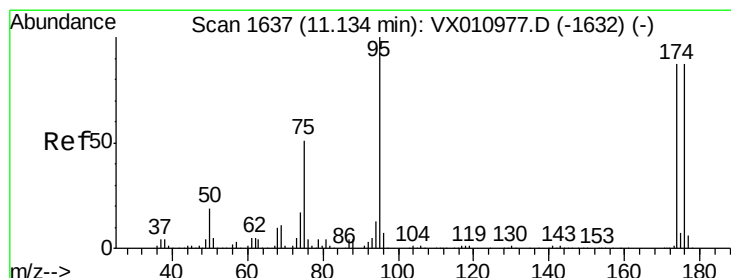
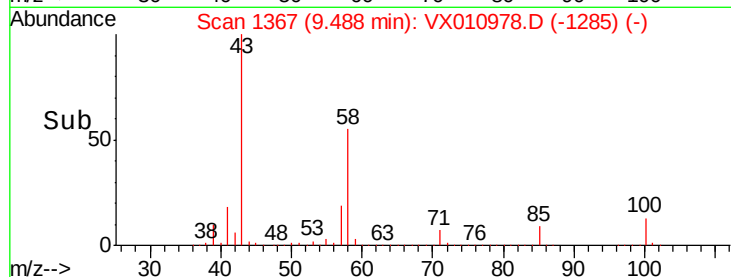
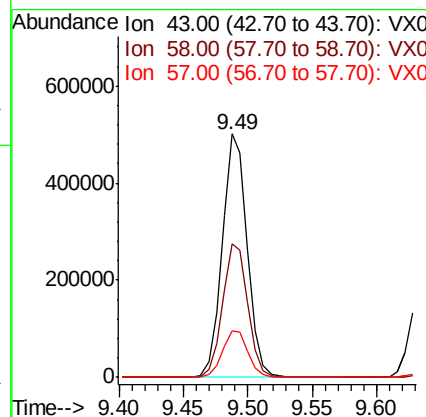
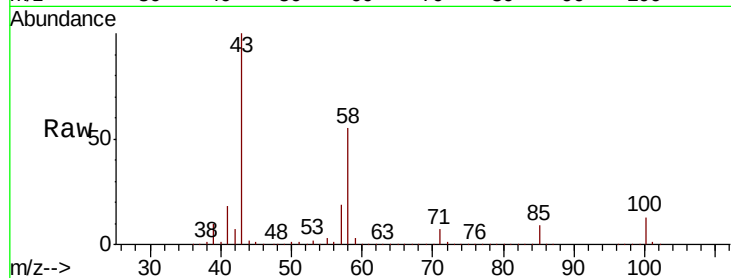




#59
2-Hexanone
Concen: 183.257 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

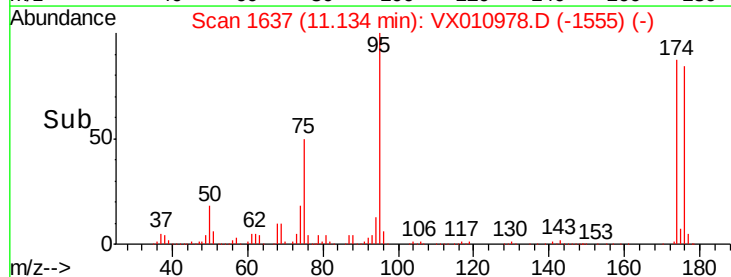
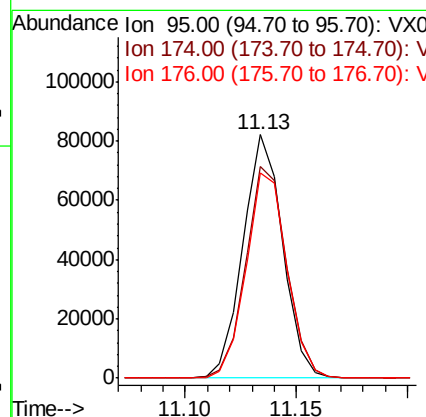
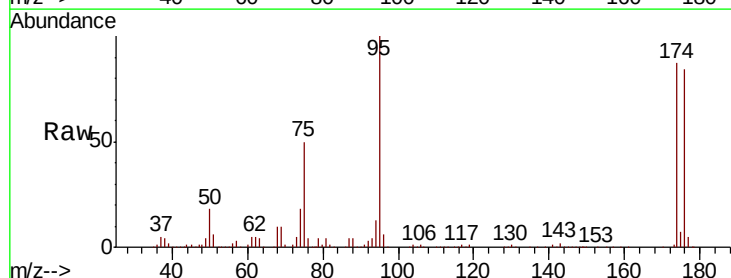
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

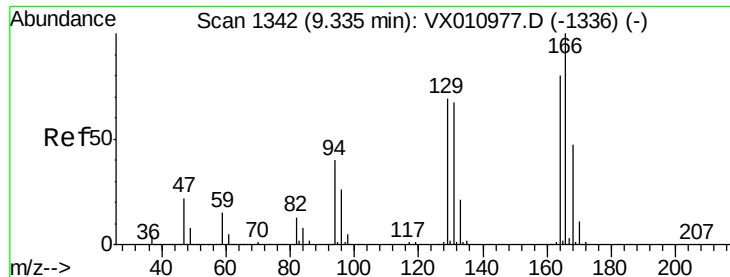
Tot Ion: 43 Resp: 678053
Ion Ratio Lower Upper
43 100
58 55.7 44.7 67.1
57 19.4 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 29.675 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 95 Resp: 101951
Ion Ratio Lower Upper
95 100
174 89.7 73.3 109.9
176 87.2 71.2 106.8





#61

Tetrachloroethene

Concen: 57.305 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 135590

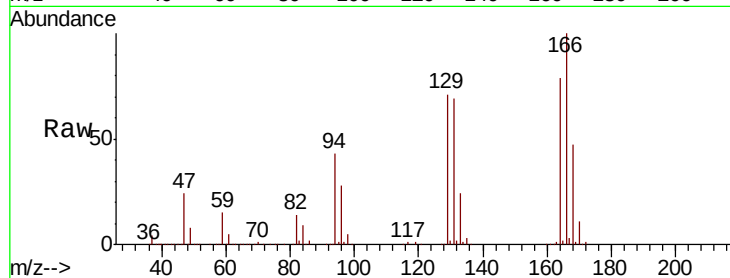
Ion Ratio Lower Upper

164 100

166 127.0 100.1 150.1

129 89.6 69.6 104.4

131 87.7 67.0 100.6

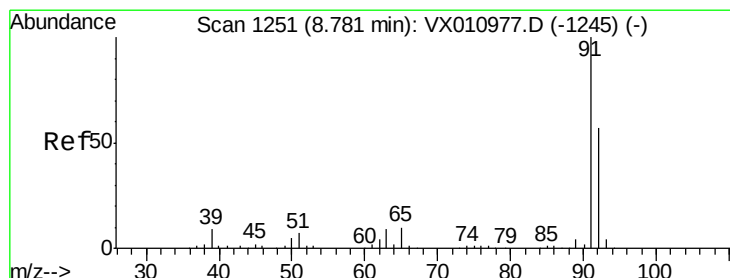
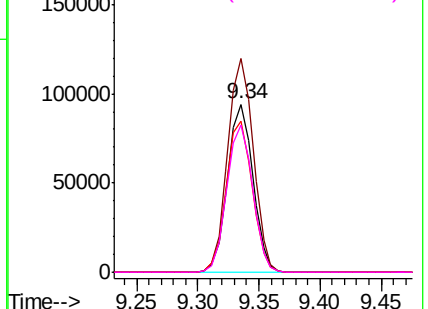
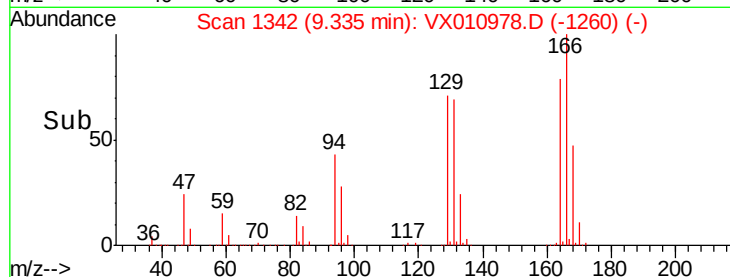


Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.342 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010978.D

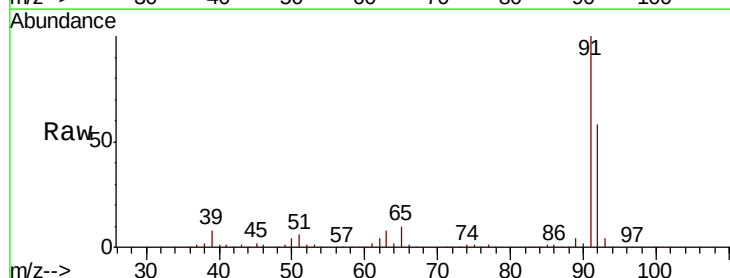
Acq: 18 Jul 2019 23:08

Tgt Ion: 91 Resp: 551327

Ion Ratio Lower Upper

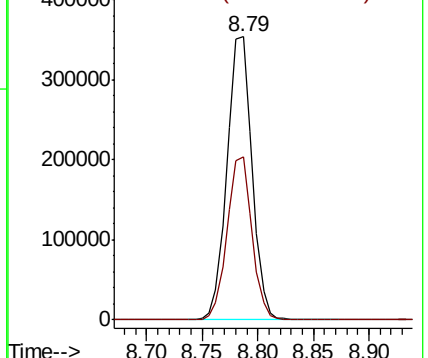
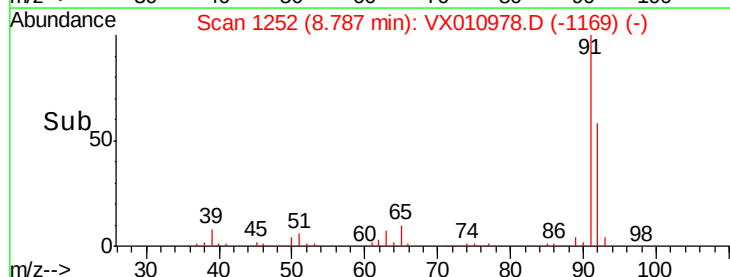
91 100

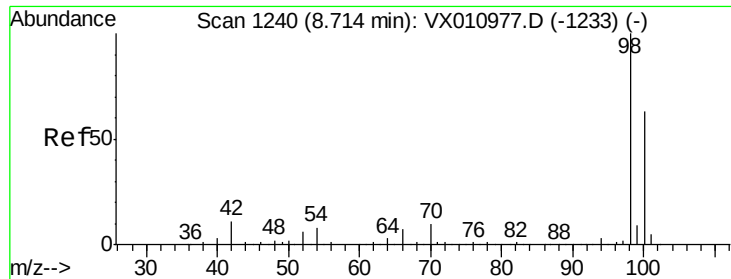
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.251 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

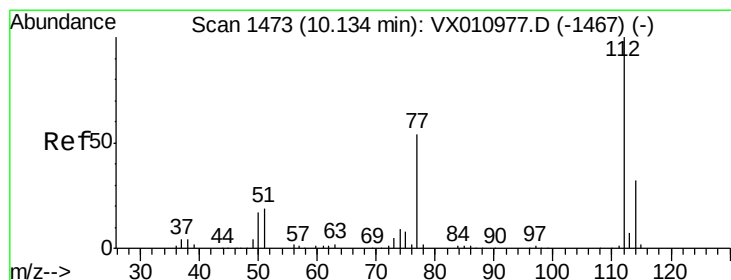
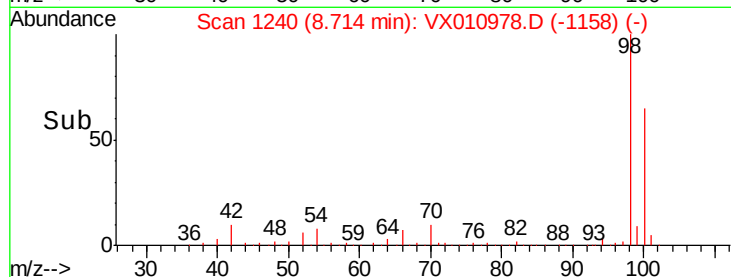
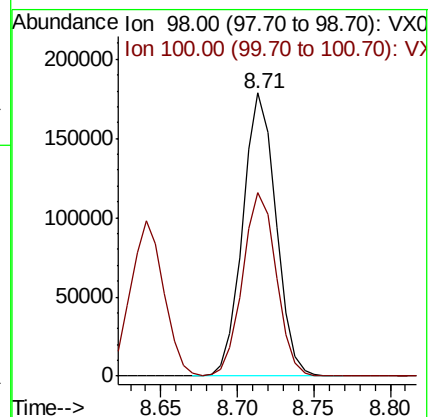
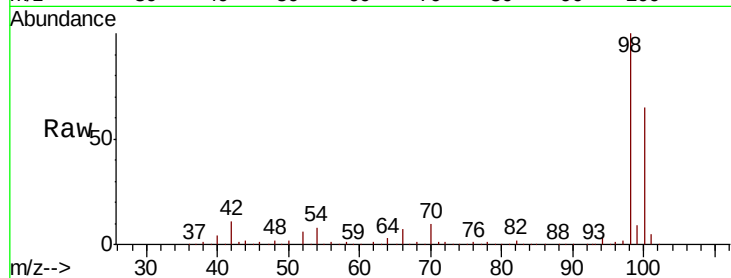
VSTDIC050

Tot Ion: 98 Resp: 270642

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0



#64

Chlorobenzene

Concen: 51.420 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010978.D

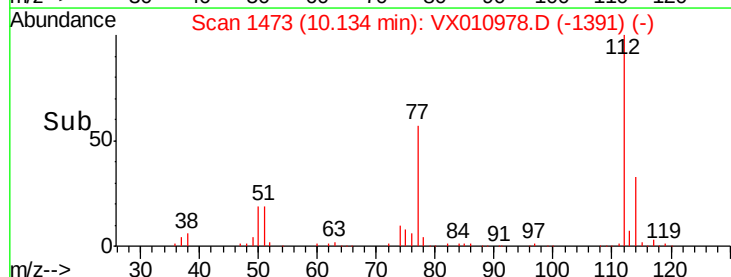
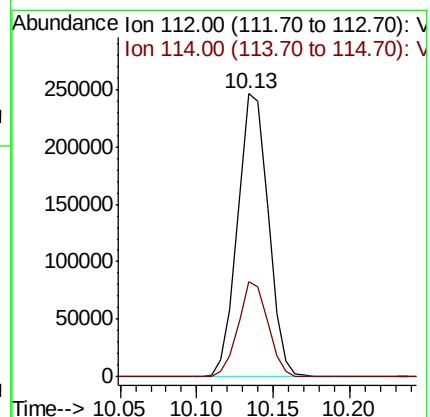
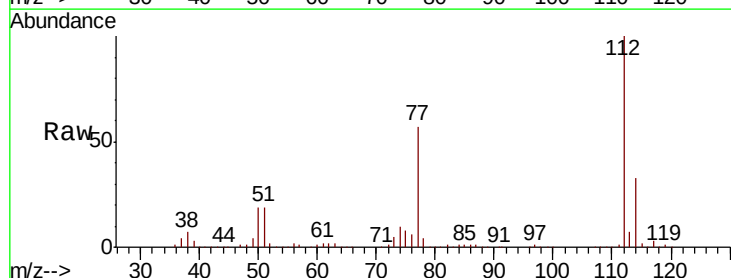
Acq: 18 Jul 2019 23:08

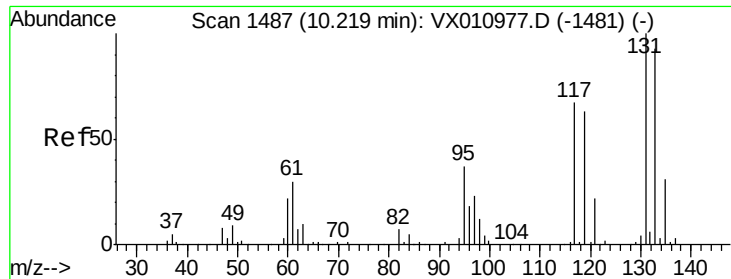
Tgt Ion: 112 Resp: 343734

Ion Ratio Lower Upper

112 100

114 33.4 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 53.140 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

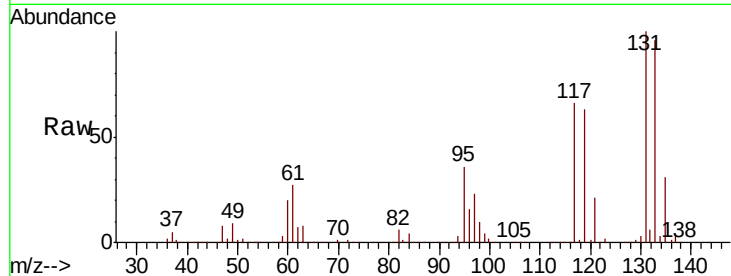
Tot Ion:131 Resp: 129639

Ion Ratio Lower Upper

131 100

133 95.8 0.0 190.2

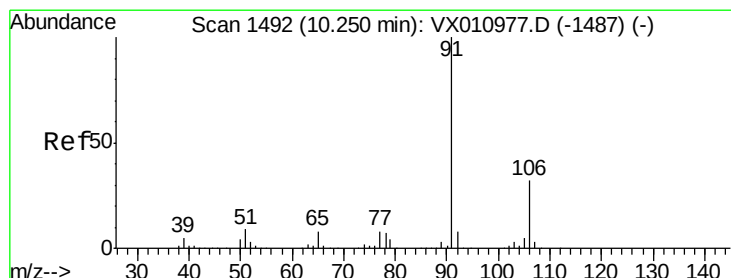
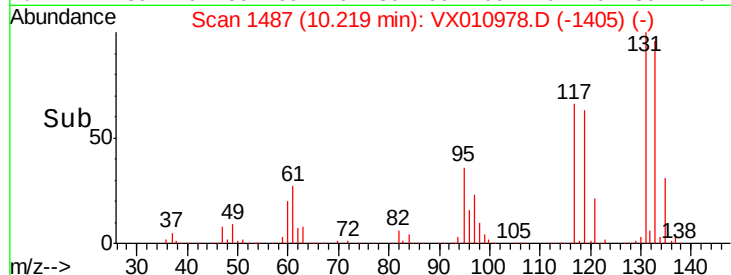
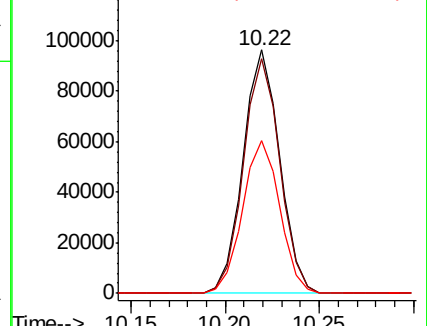
119 64.1 0.0 127.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 50.274 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010978.D

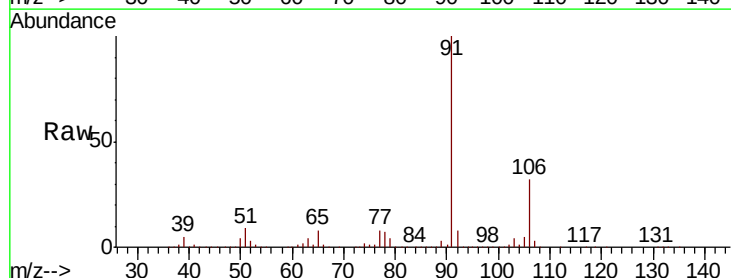
Acq: 18 Jul 2019 23:08

Tgt Ion: 91 Resp: 614546

Ion Ratio Lower Upper

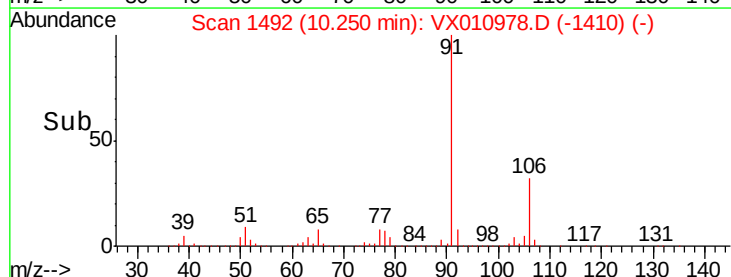
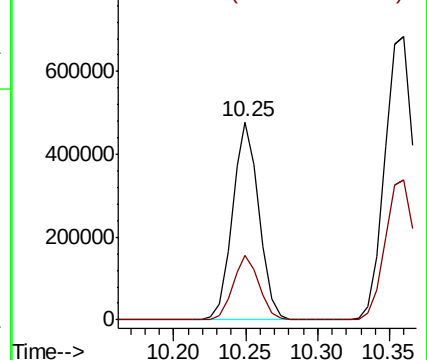
91 100

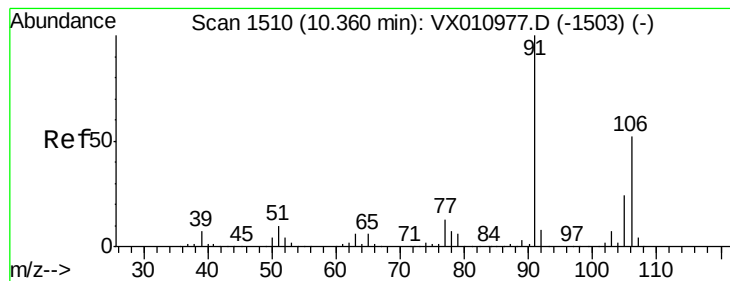
106 32.4 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 103.791 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

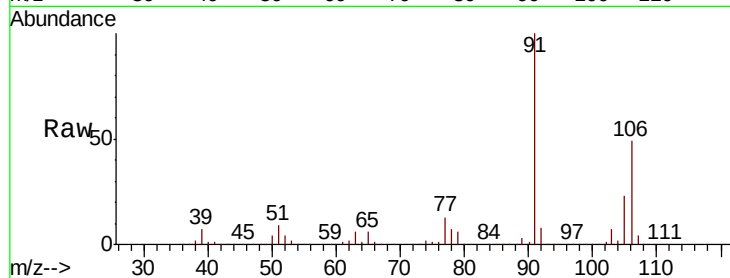
VSTDIC050

Tot Ion:106 Resp: 469644

Ion Ratio Lower Upper

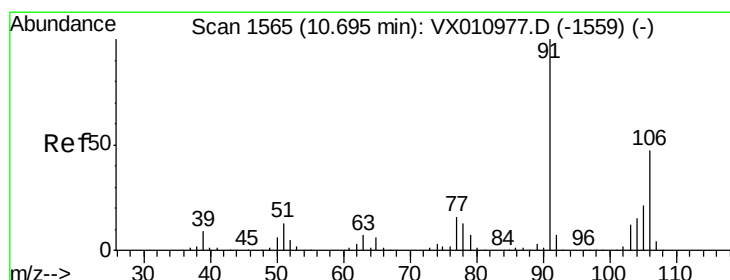
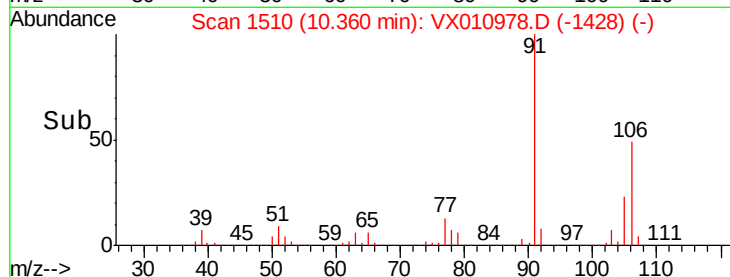
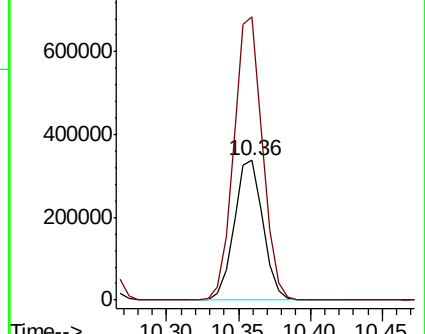
106 100

91 203.1 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 51.399 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010978.D

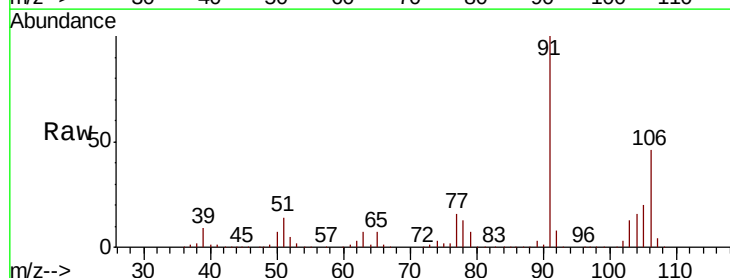
Acq: 18 Jul 2019 23:08

Tgt Ion:106 Resp: 228294

Ion Ratio Lower Upper

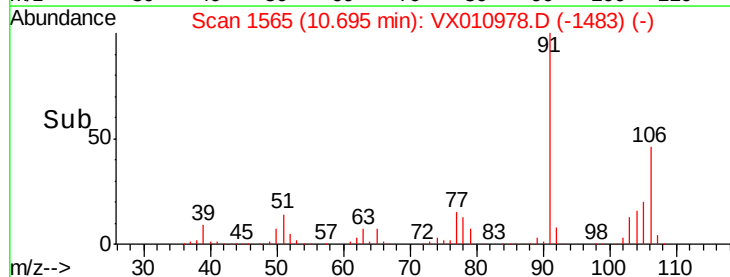
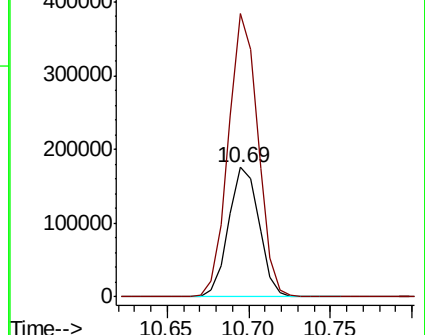
106 100

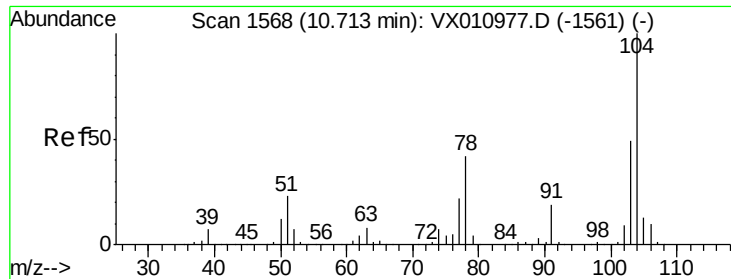
91 212.6 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

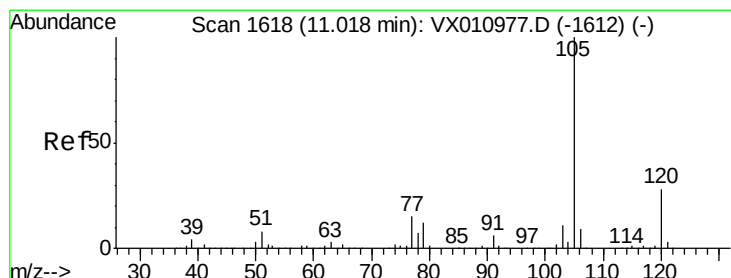
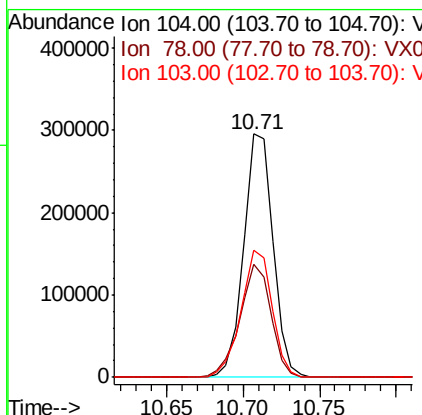
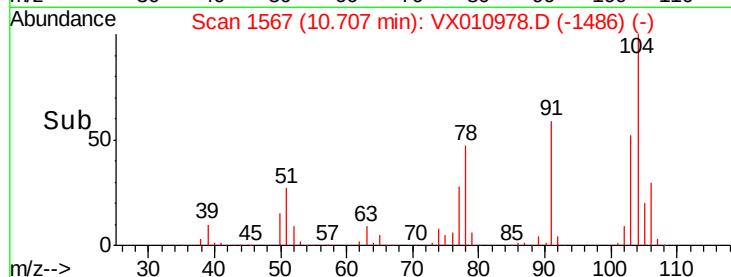
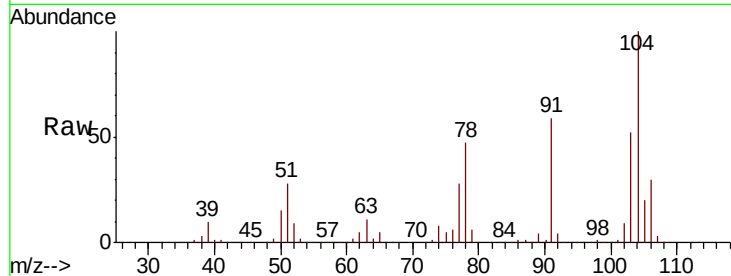




#69
Stvrene
Concen: 51.137 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

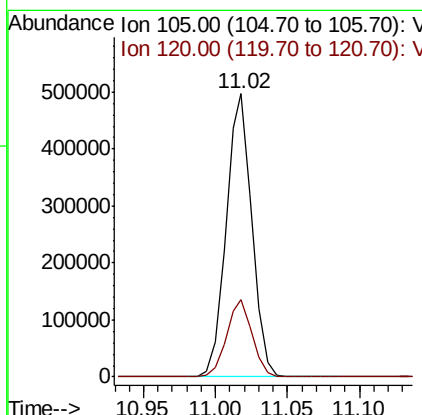
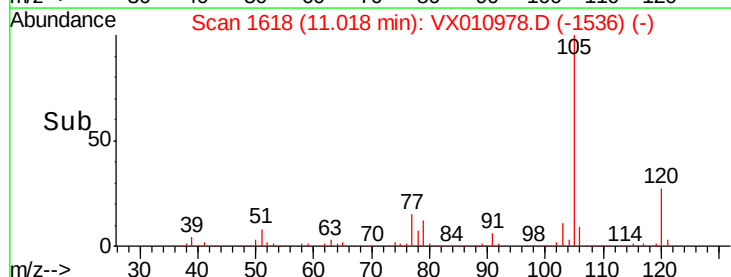
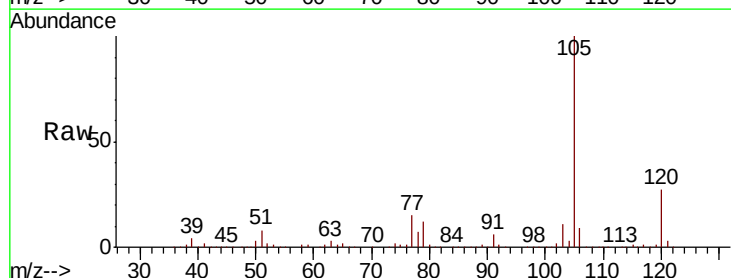
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

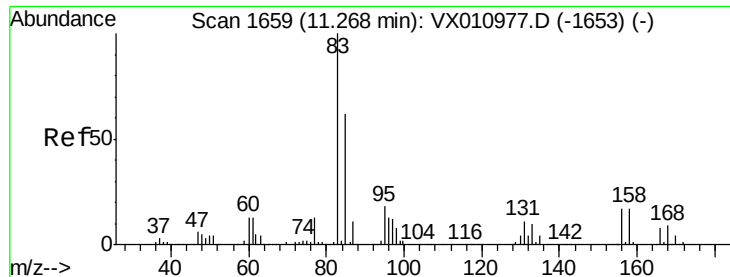
Tot Ion:104 Resp: 394076
Ion Ratio Lower Upper
104 100
78 49.4 38.5 57.7
103 55.3 44.6 67.0



#70
Isopropylbenzene
Concen: 52.452 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion:105 Resp: 622189
Ion Ratio Lower Upper
105 100
120 27.1 19.4 36.0

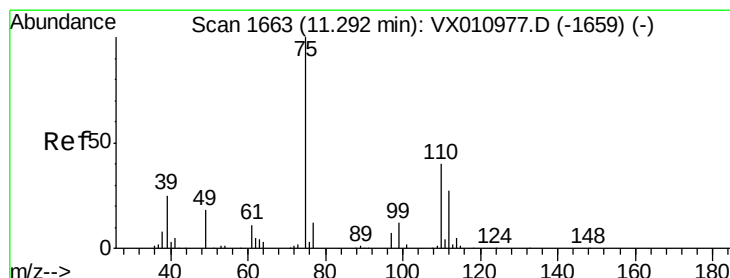
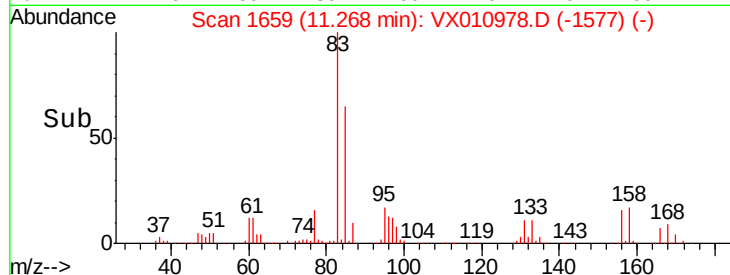
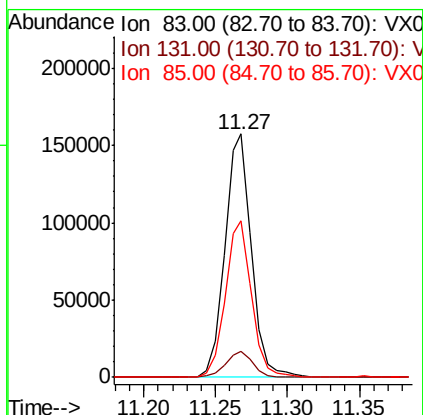
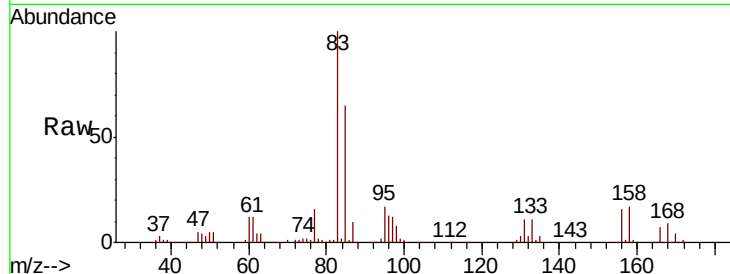




#71
 1,1,2,2-Tetrachloroethane
 Concen: 47.717 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

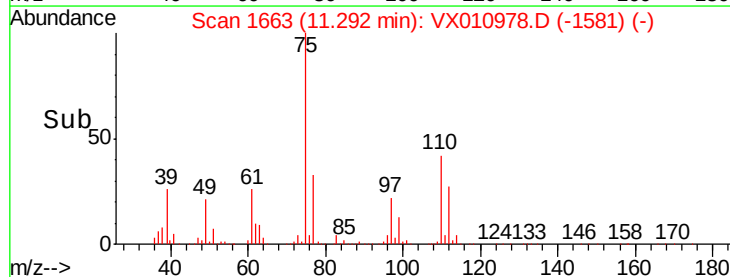
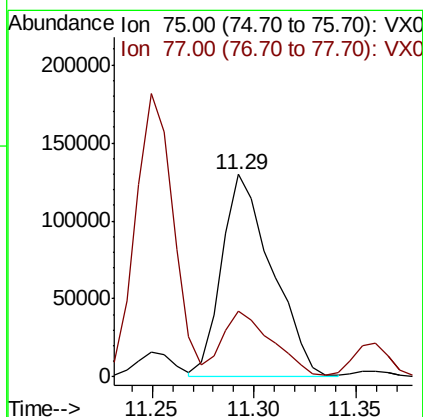
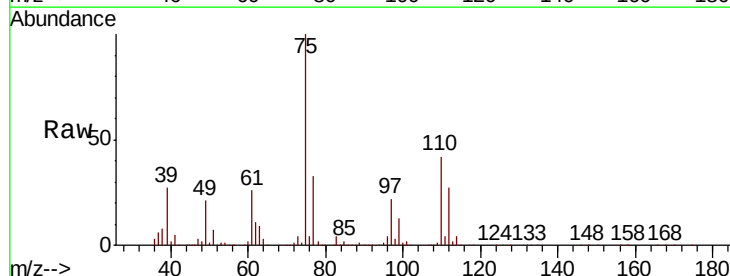
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

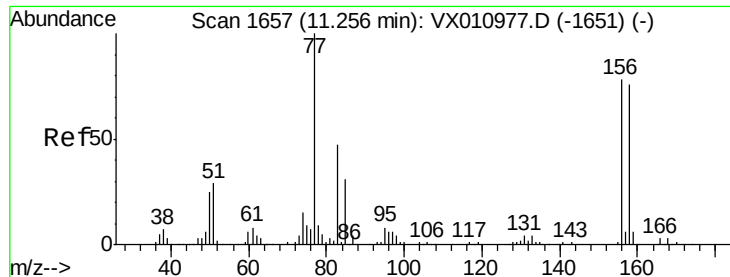
Tot Ion	83	Resp	203171
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	63.8	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 61.454 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	75	Resp	222701
Ion Ratio	100		
Lower	0.0		
Upper	84.0		
77	32.2		





#73

Bromobenzene

Concen: 55.010 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

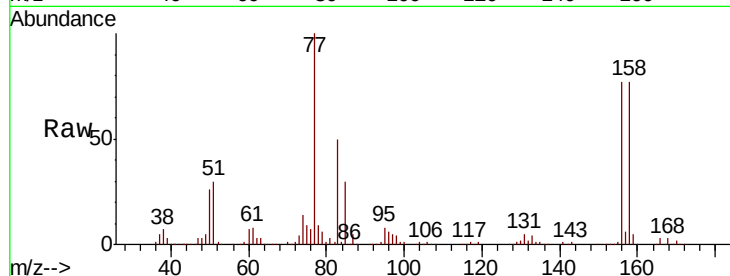
Tot Ion:156 Resp: 164427

Ion Ratio Lower Upper

156 100

77 141.5 0.0 275.8

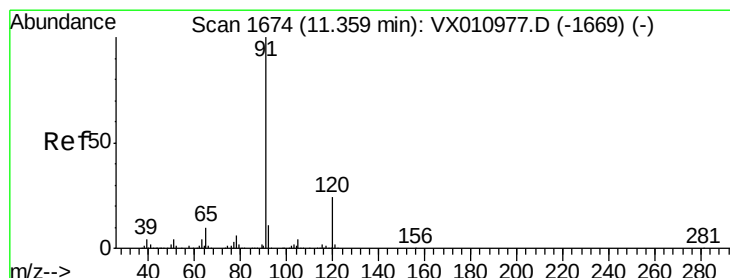
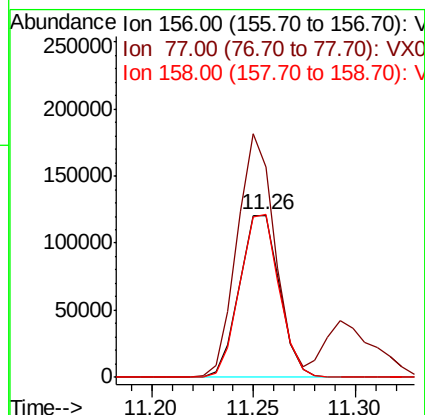
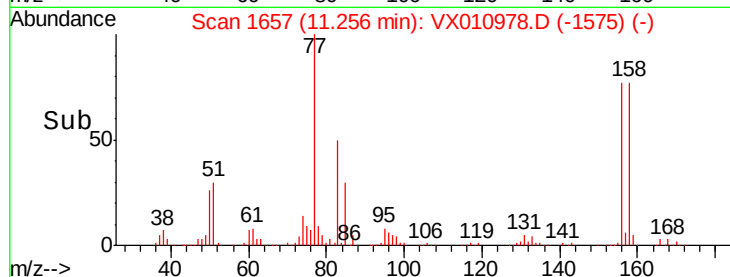
158 99.1 0.0 195.2



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: 51.281 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010978.D

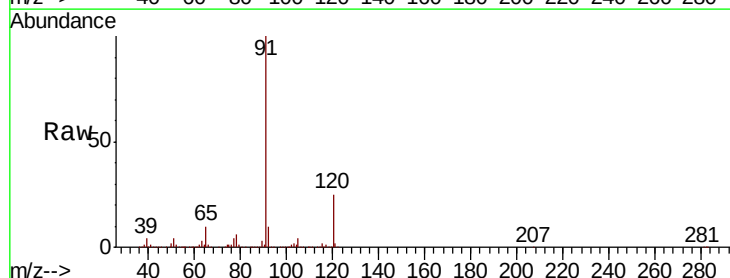
Acq: 18 Jul 2019 23:08

Tgt Ion: 91 Resp: 701353

Ion Ratio Lower Upper

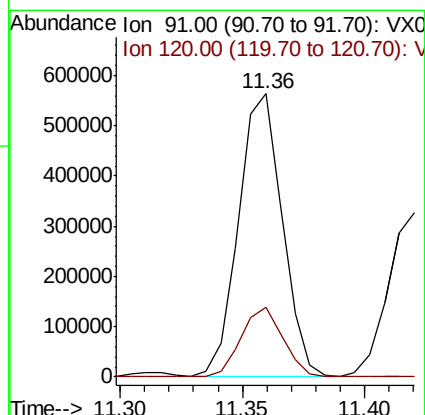
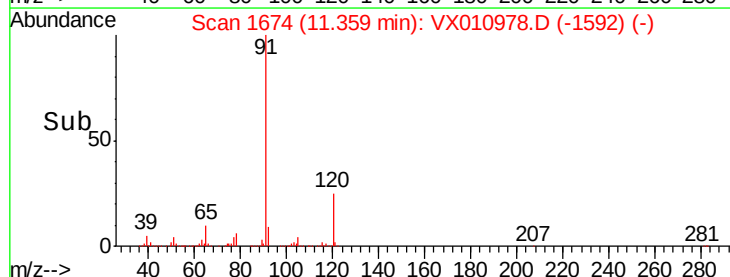
91 100

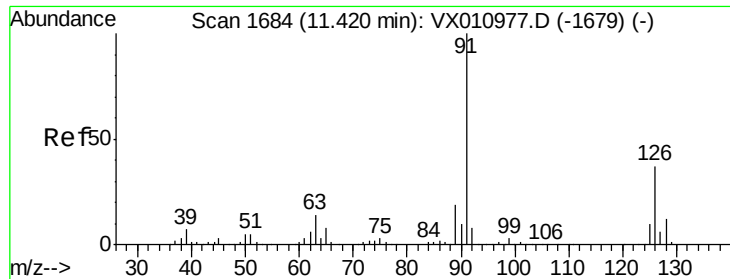
120 23.9 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

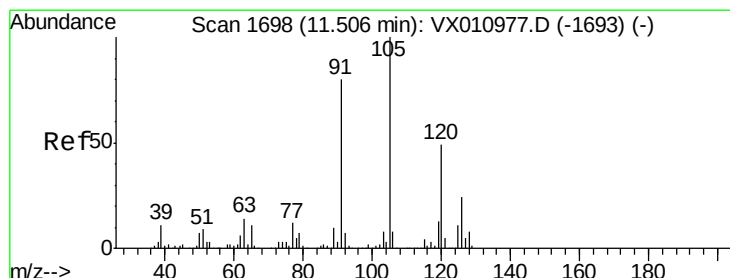
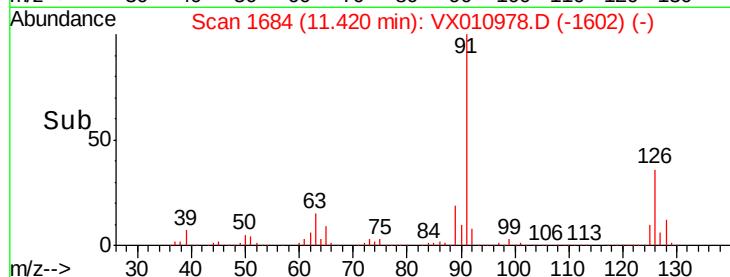
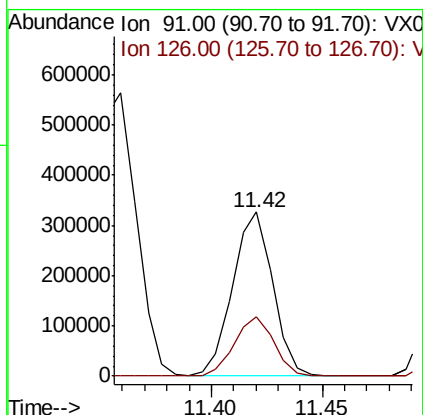
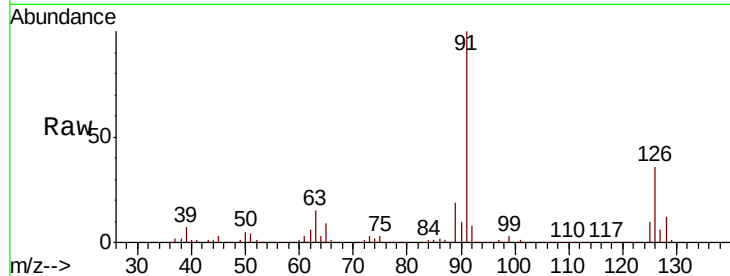




#75
2-Chlorotoluene
Concen: 50.039 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

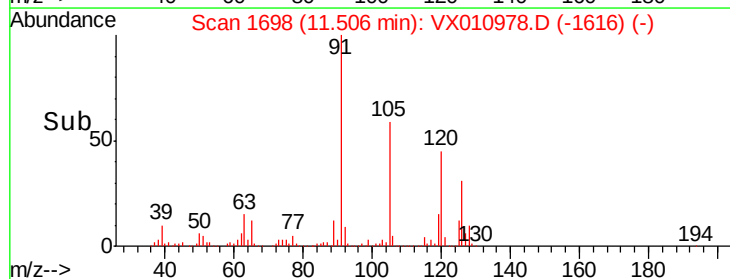
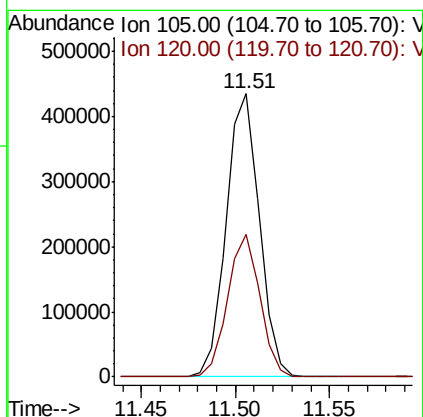
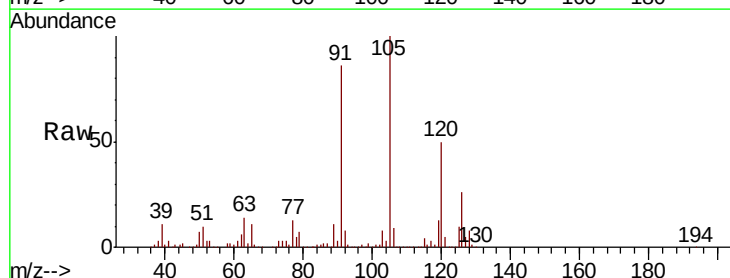
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

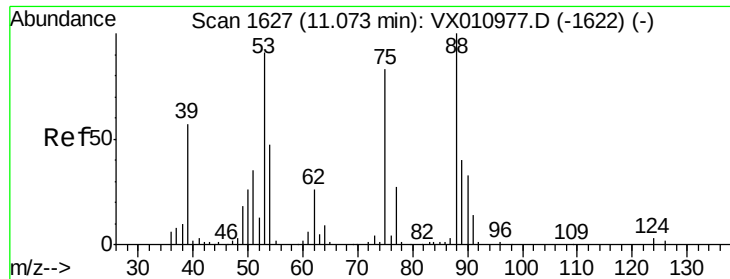
Tot Ion: 91 Resp: 409400
Ion Ratio Lower Upper
91 100
126 35.9 0.0 72.4



#76
1,3,5-Trimethylbenzene
Concen: 52.521 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 105 Resp: 528973
Ion Ratio Lower Upper
105 100
120 49.2 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 41.827 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

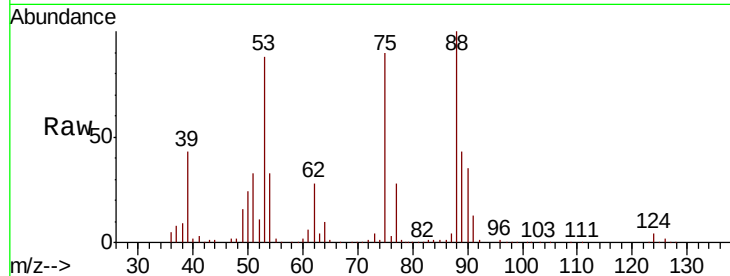
Tot Ion: 75 Resp: 59081

Ion Ratio Lower Upper

75 100

53 97.8 54.8 164.3

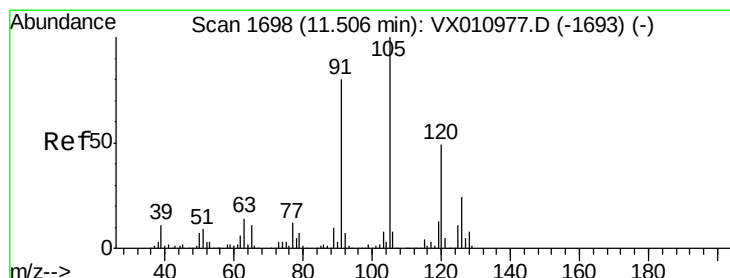
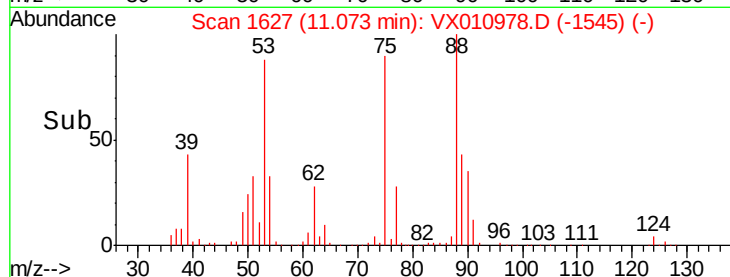
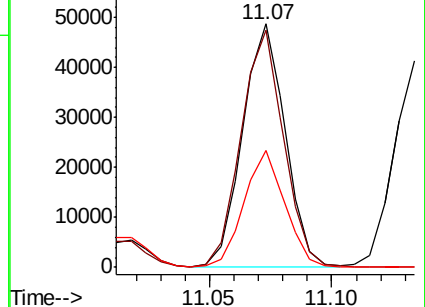
89 47.9 24.6 73.6



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: 51.285 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010978.D

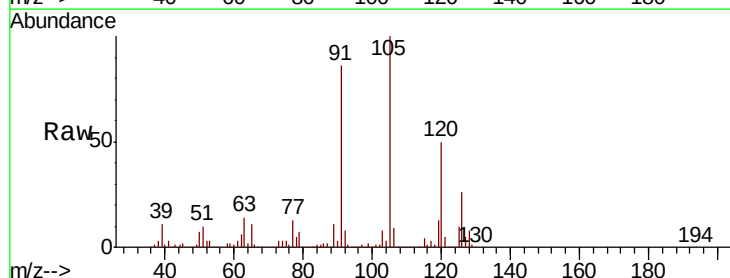
Acq: 18 Jul 2019 23:08

Tgt Ion: 91 Resp: 478036

Ion Ratio Lower Upper

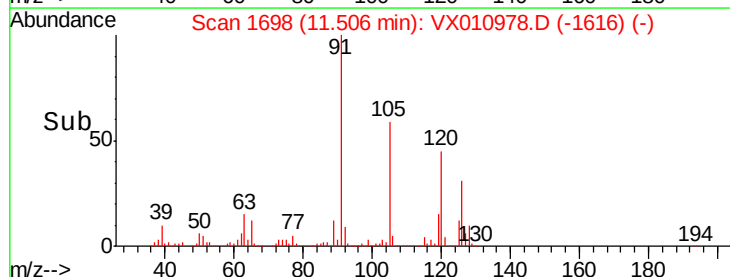
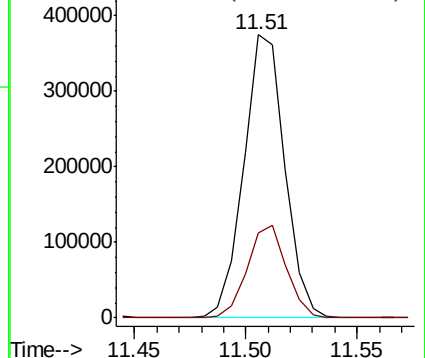
91 100

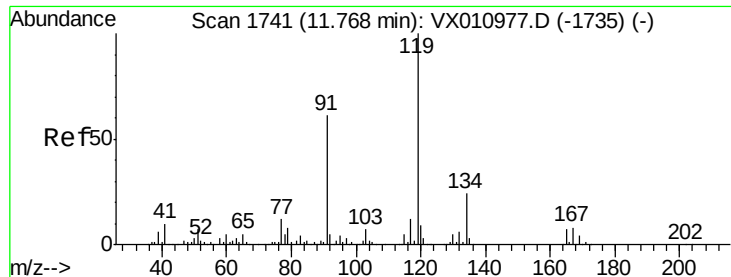
126 31.6 0.0 63.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

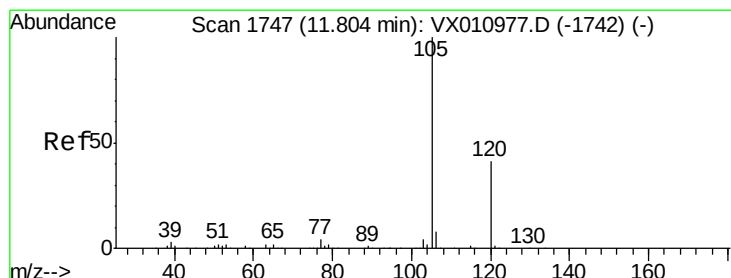
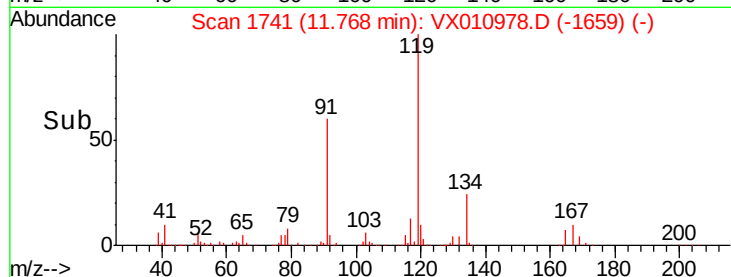
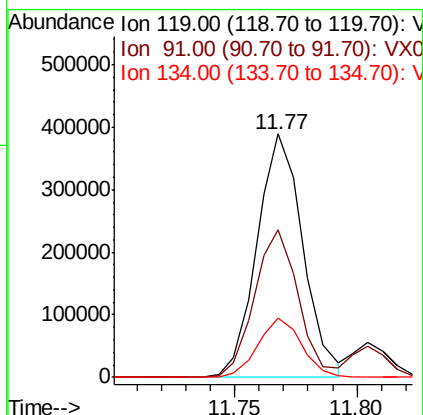
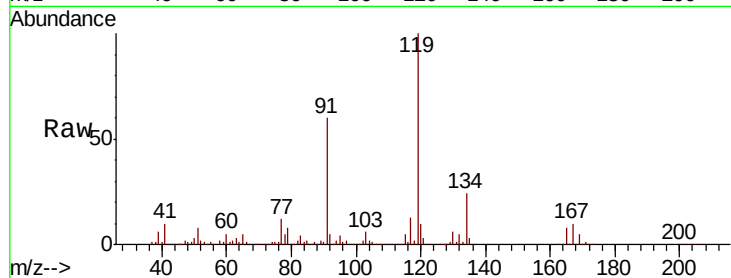




#79
tert-butylbenzene
Concen: 52.591 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

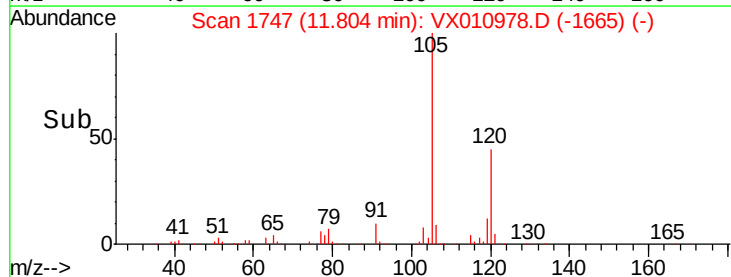
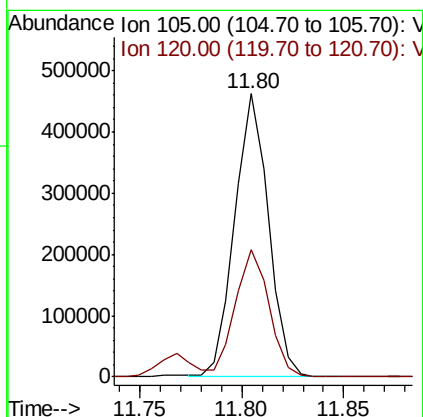
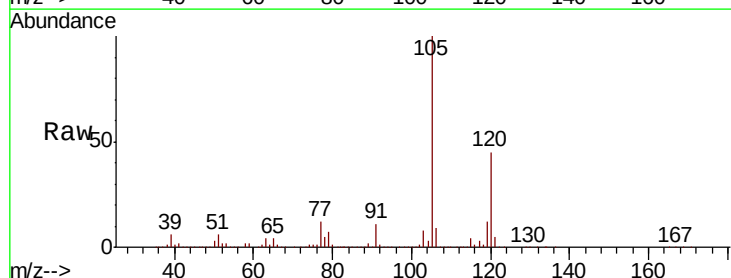
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

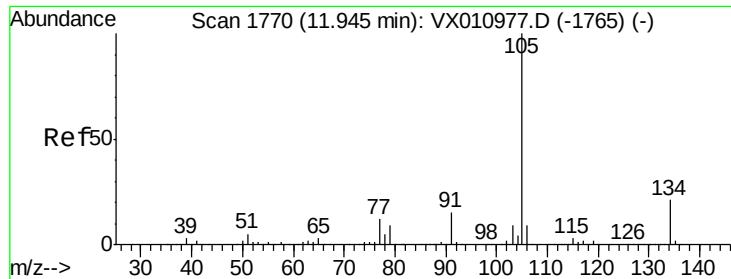
Tot Ion:119 Resp: 510956
Ion Ratio Lower Upper
119 100
91 58.3 0.0 118.4
134 23.3 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 52.449 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion:105 Resp: 530004
Ion Ratio Lower Upper
105 100
120 45.5 0.0 91.6

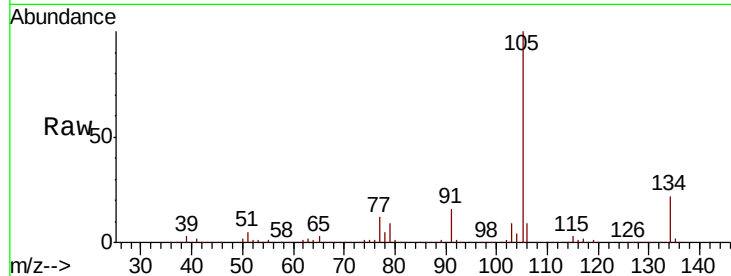




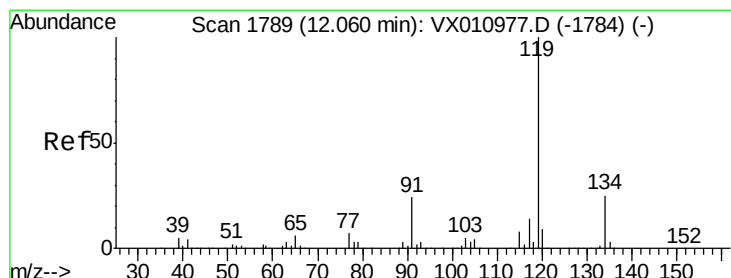
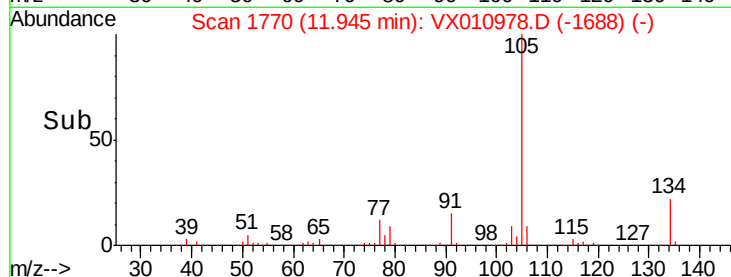
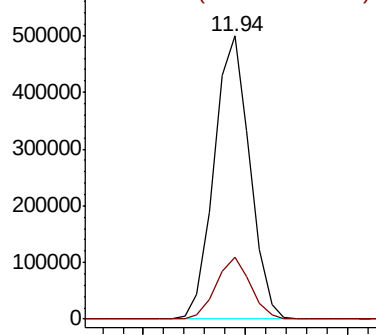
#81
 sec-Butylbenzene
 Concen: 52.415 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:105 Resp: 605777
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 41.8

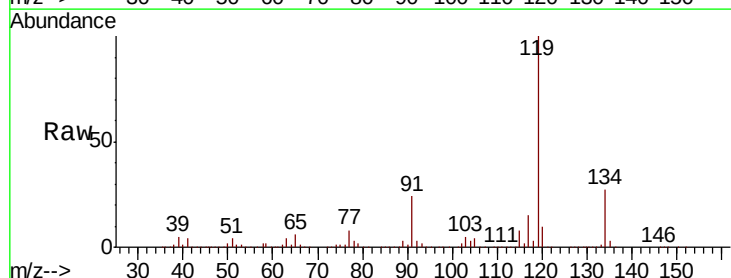


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

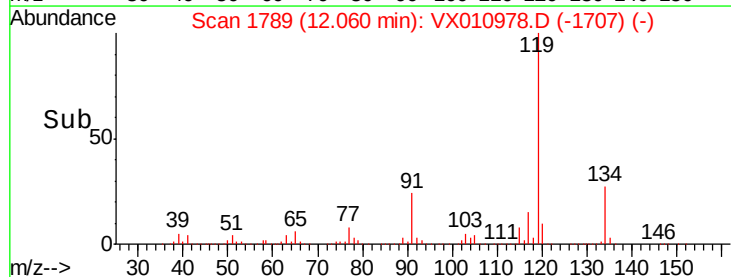
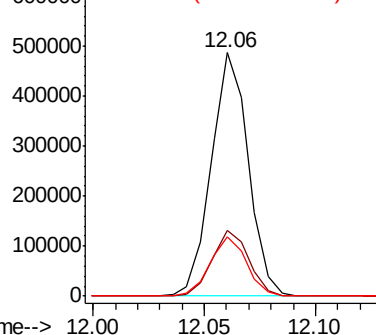


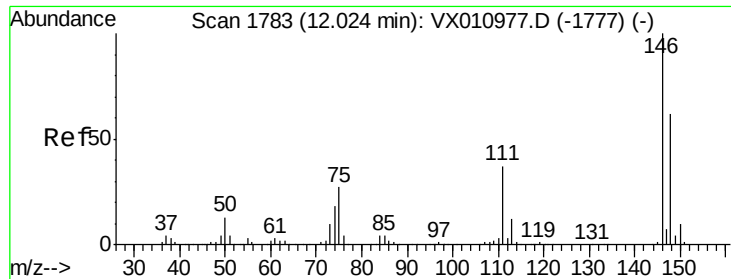
#82
 p-Isopropyltoluene
 Concen: 53.304 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion:119 Resp: 562539
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.8
 91 24.0 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): V

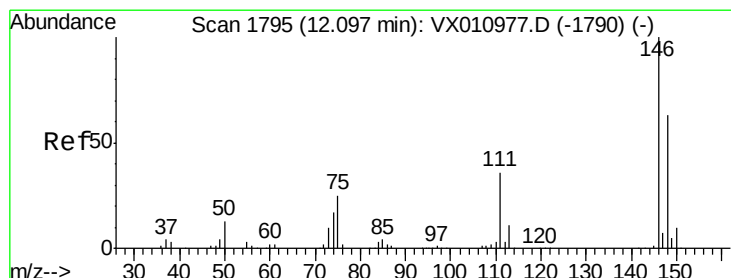
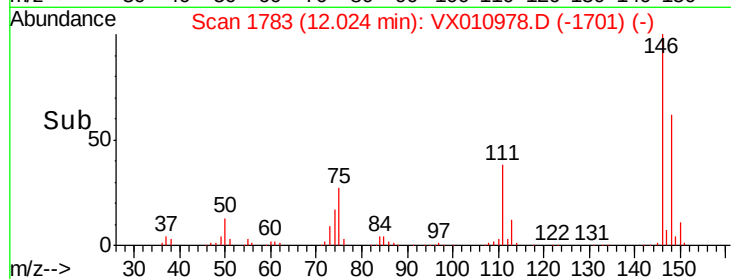
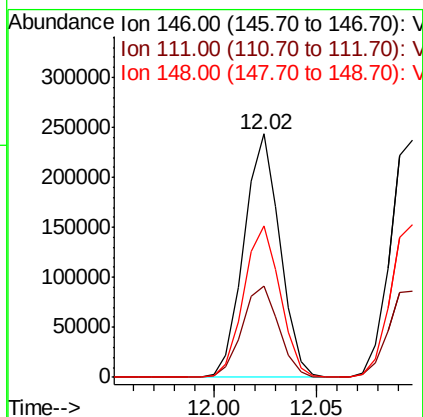
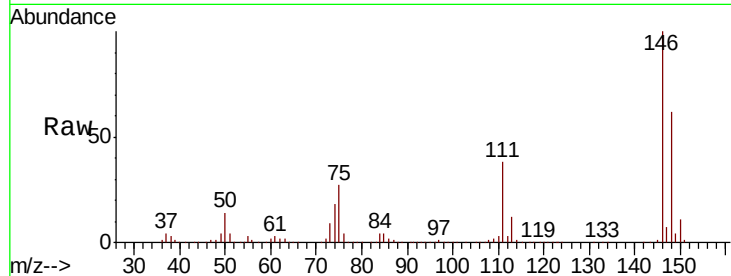




#83
 1,3-Dichlorobenzene
 Concen: 55.859 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

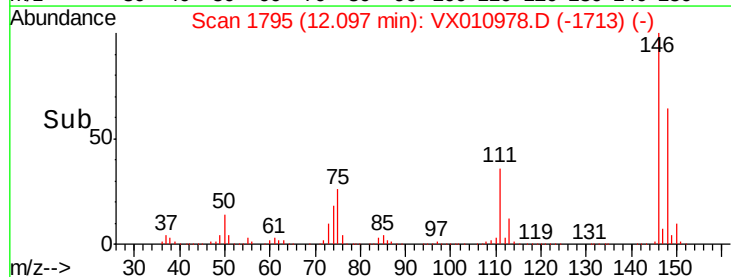
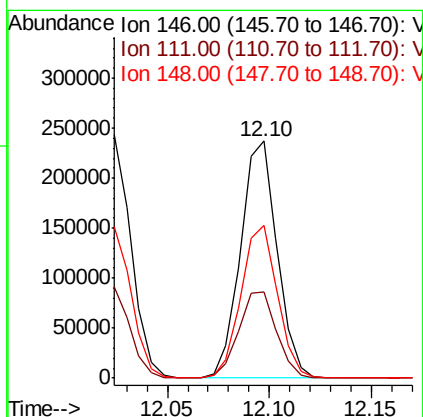
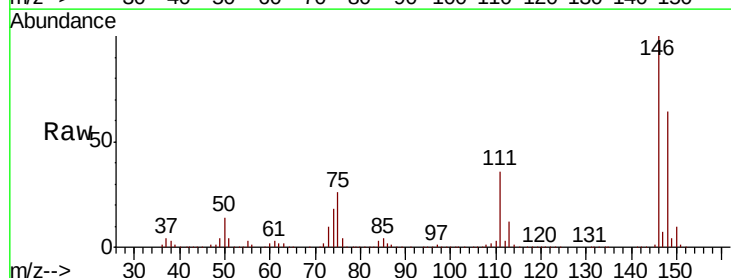
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

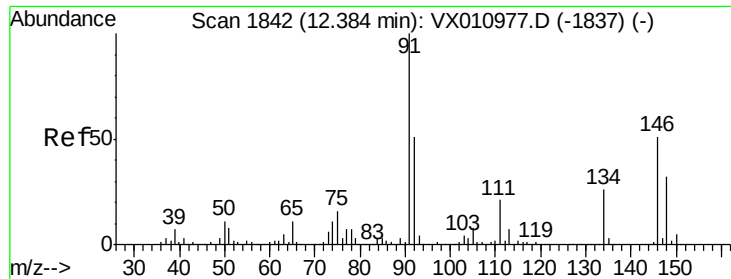
Tot Ion:146 Resp: 298524
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.9
 148 62.8 31.4 94.0



#84
 1,4-Dichlorobenzene
 Concen: 55.326 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion:146 Resp: 295567
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.5 55.5
 148 64.0 32.0 96.0





#85

n-Butylbenzene

Concen: 50.989 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

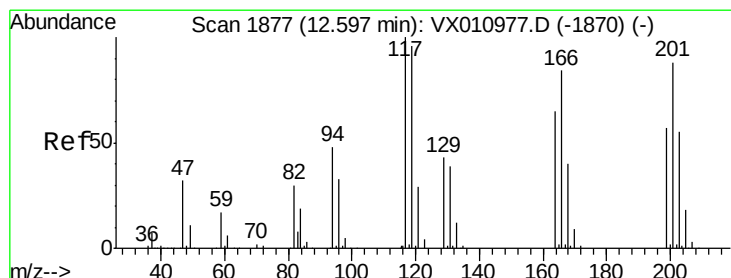
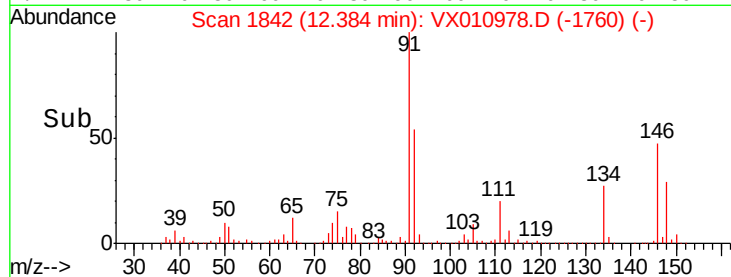
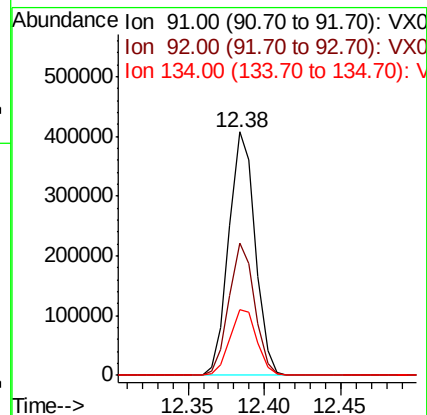
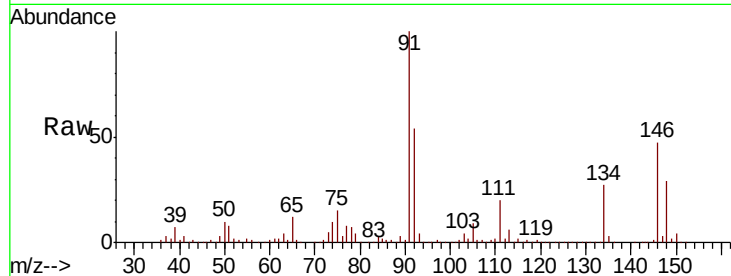
Tot Ion: 91 Resp: 486788

Ion Ratio Lower Upper

91 100

92 52.9 0.0 103.6

134 27.4 0.0 54.2



#86

Hexachloroethane

Concen: 52.339 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX010978.D

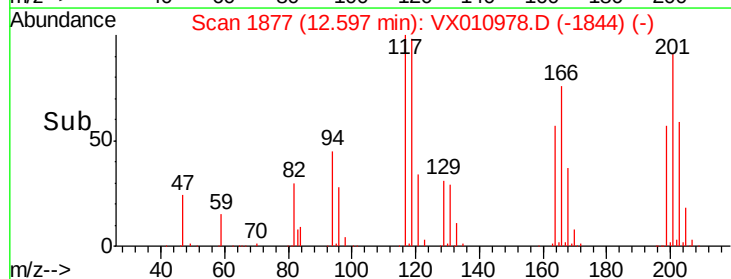
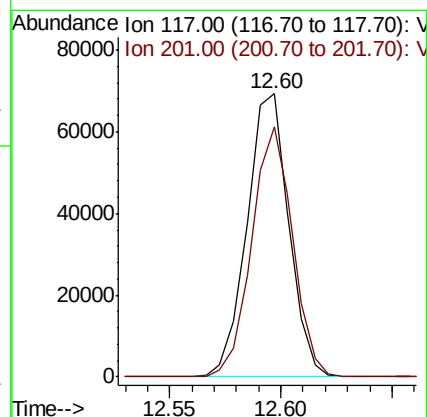
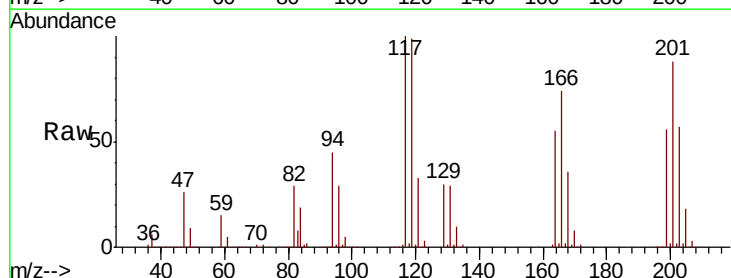
Acq: 18 Jul 2019 23:08

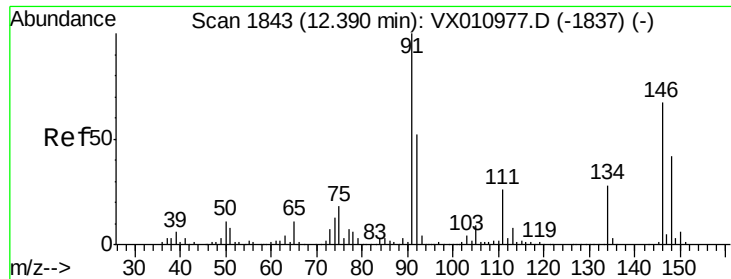
Tgt Ion: 117 Resp: 91085

Ion Ratio Lower Upper

117 100

201 85.9 42.1 126.3

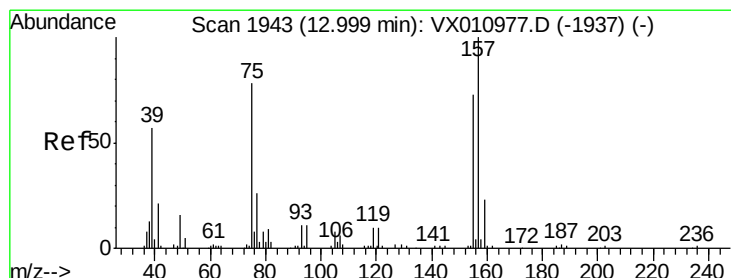
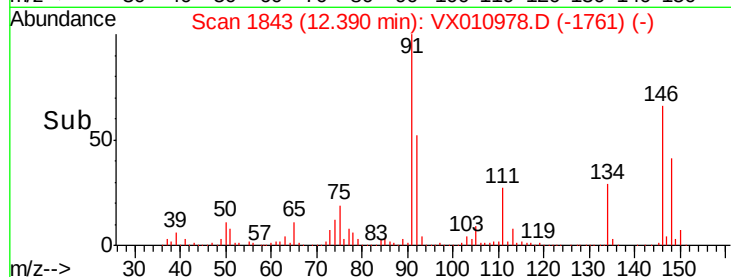
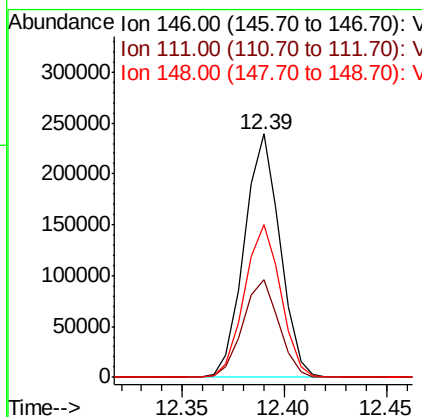
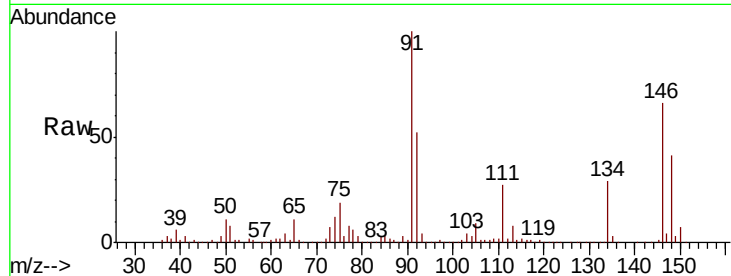




#87
 1,2-Dichlorobenzene
 Concen: 54.143 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

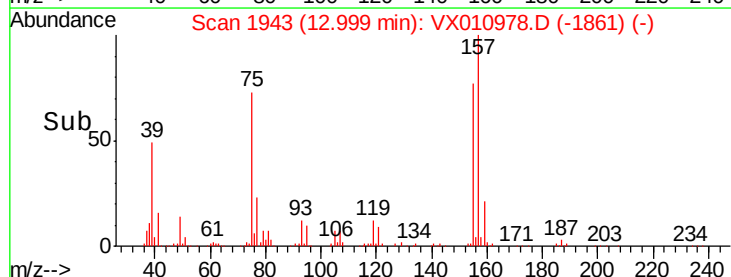
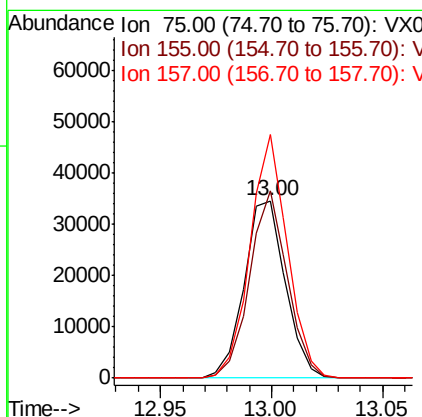
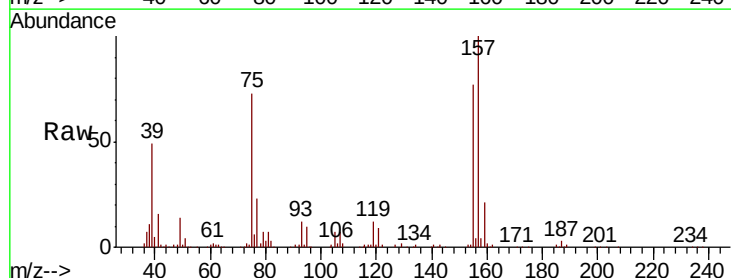
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

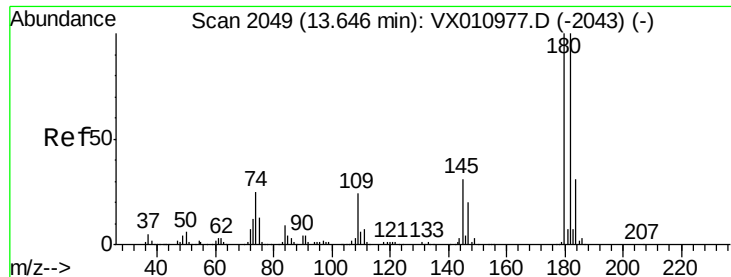
Tot Ion:146 Resp: 291284
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.5 58.5
 148 63.7 31.5 94.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 45.756 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 75 Resp: 44593
 Ion Ratio Lower Upper
 75 100
 155 96.7 76.6 115.0
 157 123.9 101.0 151.4

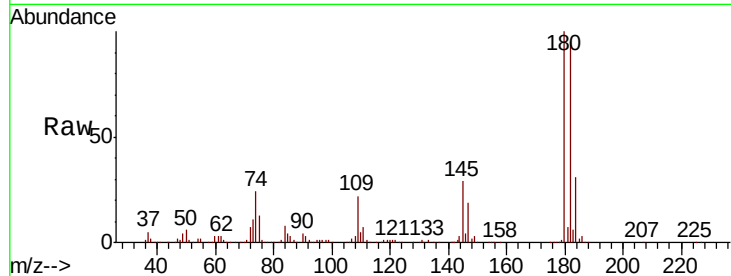




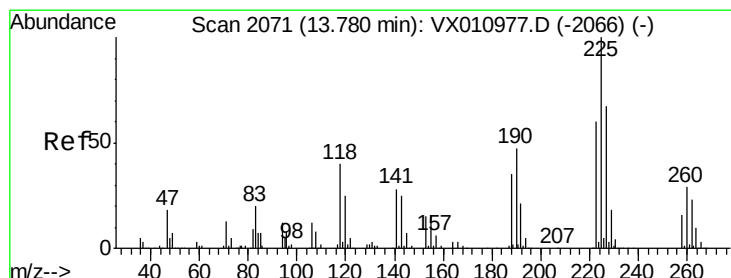
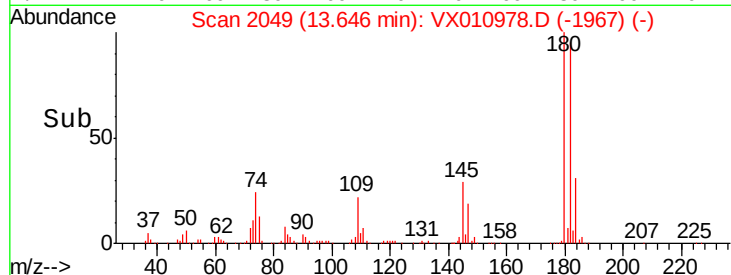
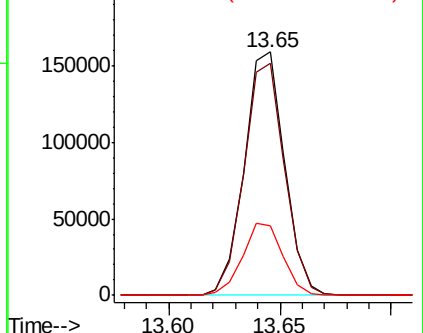
#89
1,2,4-Trichlorobenzene
Concen: 53.010 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:180 Resp: 201306
Ion Ratio Lower Upper
180 100
182 95.9 77.6 116.4
145 29.8 23.8 35.6

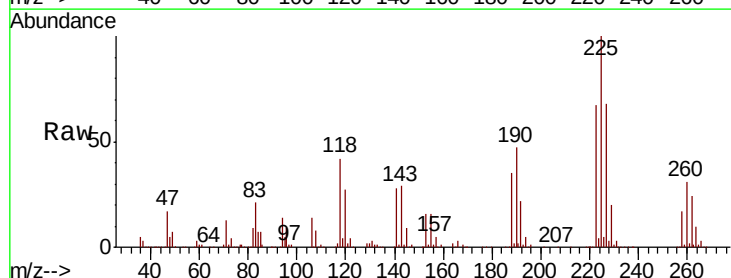


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

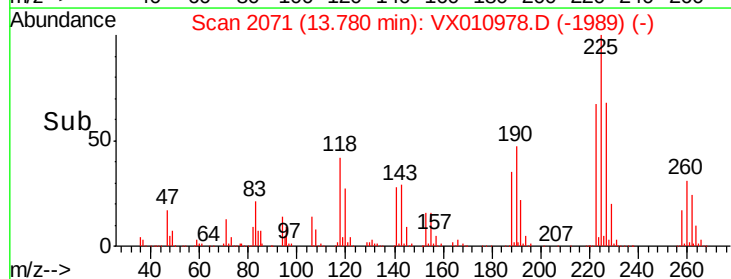
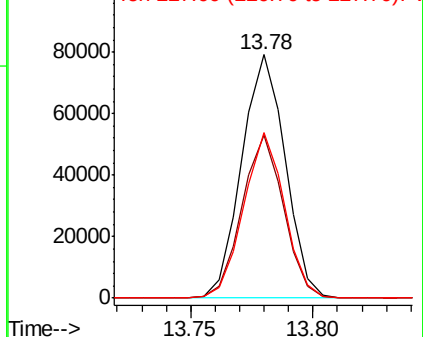


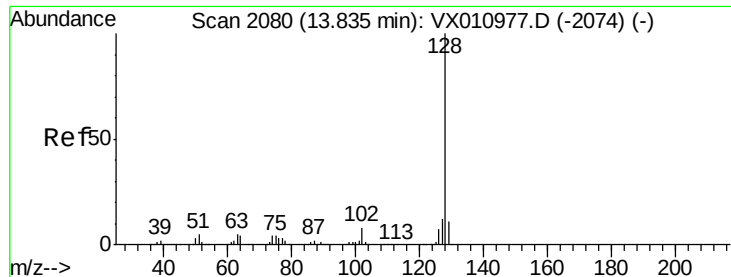
#90
Hexachlorobutadiene
Concen: 51.967 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion:225 Resp: 98042
Ion Ratio Lower Upper
225 100
223 64.1 0.0 121.4
227 64.1 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

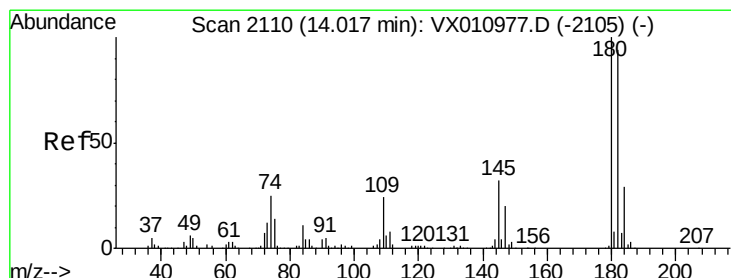
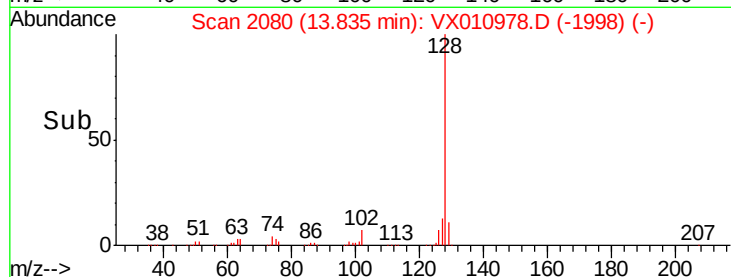
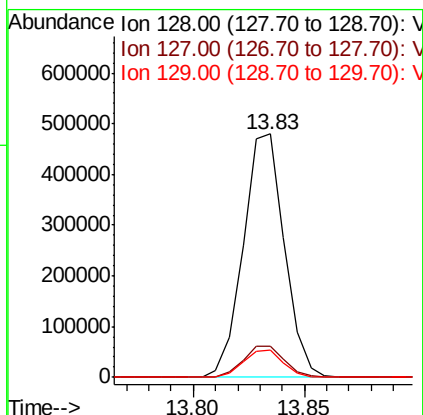
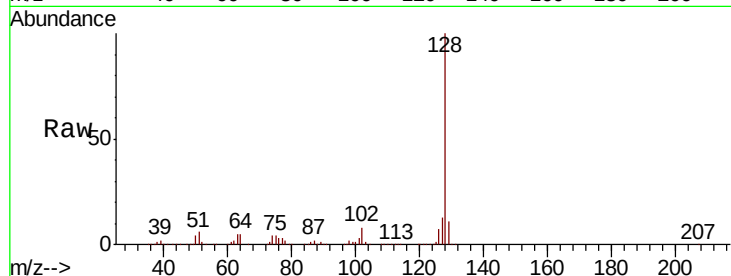




#91
Naphthalene
Concen: 50.452 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:128 Resp: 618086
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: 52.272 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion:180 Resp: 200754
Ion Ratio Lower Upper
180 100
182 94.0 0.0 190.2
145 31.2 0.0 63.8

