

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011058.D
 Acq On : 24 Jul 2019 13:42
 Operator : JC/SP
 Sample : VX0724WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 03:21:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	36654	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	203026	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	182572	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	72536	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	11.13	95	88597	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.71	98	242651	30.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	46946	19.373	ug/l 99
3) Chloromethane	1.33	50	38384	18.013	ug/l 99
4) Vinyl Chloride	1.41	62	41257	18.566	ug/l 97
5) Bromomethane	1.64	94	26250	21.459	ug/l 100
6) Chloroethane	1.73	64	24938	18.969	ug/l 92
7) Trichlorofluoromethane	1.93	101	70981	19.233	ug/l 94
8) Diethyl Ether	2.19	74	23492	19.383	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40493	19.852	ug/l 98
10) 1,1-Dichloroethene	2.37	96	39151	19.099	ug/l 99
11) Methyl Iodide	2.51	142	47448	17.236	ug/l 99
12) Methyl Acetate	2.78	43	57185	19.862	ug/l 98
13) Acrolein	2.29	56	31958	92.576	ug/l 98
14) Acrylonitrile	3.14	53	112561	99.891	ug/l 99
15) Acetone	2.45	58	36189	115.332	ug/l 91
16) Carbon Disulfide	2.57	76	83486	15.850	ug/l 98
17) Allyl chloride	2.73	41	57900	19.510	ug/l 98
18) Methylene Chloride	2.85	84	43876	19.222	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	39935	18.441	ug/l 100
20) Diisopropyl ether	3.85	45	122109	19.491	ug/l 99
21) 1,1-Dichloroethane	3.70	63	70050	19.429	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	47301	18.992	ug/l 96
23) tert-Butyl Alcohol	3.04	59	54109	91.970	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	128412	19.514	ug/l 99
25) Chloroform	5.21	83	76244	19.308	ug/l 100
26) Cyclohexane	5.58	56	59023	17.890	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	53226	18.642	ug/l 98
30) 2-Butanone	4.67	43	158479	102.829	ug/l 99
31) 2,2-Dichloropropane	4.58	77	57282	22.984	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	67092	19.486	ug/l 99
33) Carbon Tetrachloride	5.78	117	57263	19.128	ug/l 98
34) Benzene	6.15	78	165429	19.315	ug/l 100
35) Methacrylonitrile	5.04	41	30721	19.148	ug/l 97
36) 1,2-Dichloroethane	6.20	62	59300	19.364	ug/l 98
37) Trichloroethene	7.21	130	49074	19.572	ug/l 96
38) Methylcyclohexane	7.46	83	66495	18.454	ug/l 99
39) 1,2-Dichloropropane	7.51	63	41551	19.409	ug/l 99
40) Dibromomethane	7.66	93	29933	19.011	ug/l 99

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 ClientSampleId :

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	55210	19.265	ug/l	99
42) Vinyl Acetate	3.81	43	494940	97.474	ug/l	100
43) Ethyl Acetate	4.84	43	57948	19.588	ug/l	100
44) Isopropyl Acetate	6.44	43	92338	19.163	ug/l	100
45) 1,4-Dioxane	7.74	88	25370	404.512	ug/l	97
46) Methyl methacrylate	7.77	41	44682	19.104	ug/l	96
47) n-amyl Acetate	10.90	43	81797	18.927	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	56969	18.862	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	64316	19.513	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	46610	20.227	ug/l	97
51) Ethyl methacrylate	9.18	69	67279	18.878	ug/l	97
52) 1,3-Dichloropropane	9.37	76	73025	19.721	ug/l	100
53) Dibromochloromethane	9.58	129	46096	18.523	ug/l	97
54) 1,2-Dibromoethane	9.67	107	49718	19.854	ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	146505	97.076	ug/l	99
56) Bromoform	10.85	173	33731	18.199	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	308071	99.915	ug/l	99
59) 2-Hexanone	9.49	43	241240	102.247	ug/l	100
61) Tetrachloroethene	9.34	164	48006	19.915	ug/l	96
62) Toluene	8.78	91	189555	19.544	ug/l	100
64) Chlorobenzene	10.13	112	122178	19.662	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	44336	19.631	ug/l	99
66) Ethyl Benzene	10.25	91	209168	19.157	ug/l	99
67) m/p-Xylenes	10.36	106	163889	39.232	ug/l	99
68) o-Xylene	10.69	106	78806	19.253	ug/l	98
69) Styrene	10.71	104	134216	19.508	ug/l	99
70) Isopropylbenzene	11.02	105	215431	19.765	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	69388	19.743	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	75682	25.799	ug/l	84
73) Bromobenzene	11.25	156	56675	19.272	ug/l	98
74) n-propylbenzene	11.36	91	241000	19.646	ug/l	100
75) 2-Chlorotoluene	11.42	91	142044	19.442	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	180953	19.614	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19598	20.248	ug/l	95
78) 4-Chlorotoluene	11.51	91	165242	19.693	ug/l	99
79) tert-butylbenzene	11.77	119	178584	19.956	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	179466	19.317	ug/l	99
81) sec-Butylbenzene	11.94	105	212003	20.098	ug/l	99
82) p-Isopropyltoluene	12.06	119	192765	19.693	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	100990	19.452	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	100701	19.515	ug/l	100
85) n-Butylbenzene	12.38	91	163492	19.615	ug/l	100
86) Hexachloroethane	12.59	117	28852	18.689	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	101356	19.940	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	15420	19.930	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	68741	19.607	ug/l	99
90) Hexachlorobutadiene	13.78	225	34804	20.532	ug/l	100
91) Naphthalene	13.83	128	213152	19.925	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	72529	20.640	ug/l	97

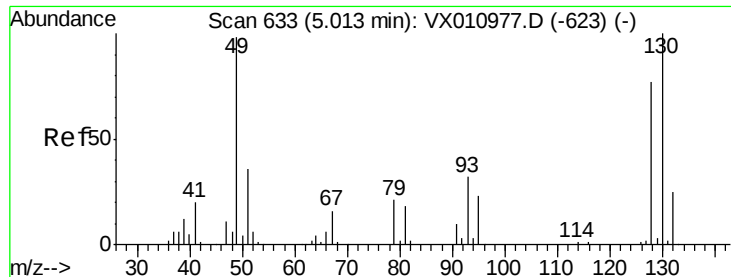
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

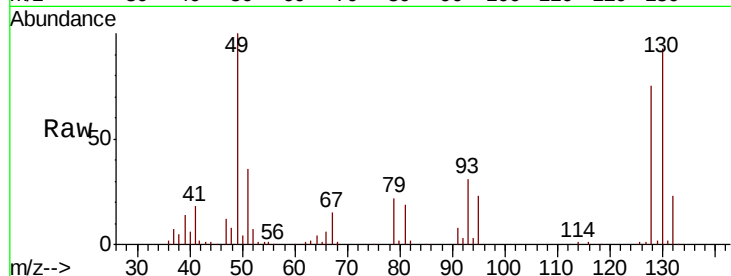
Tot Ion:128 Resp: 36654

Ion Ratio Lower Upper

128 100

49 135.3 0.0 343.5

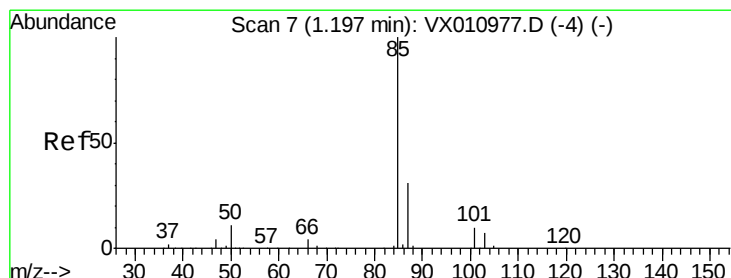
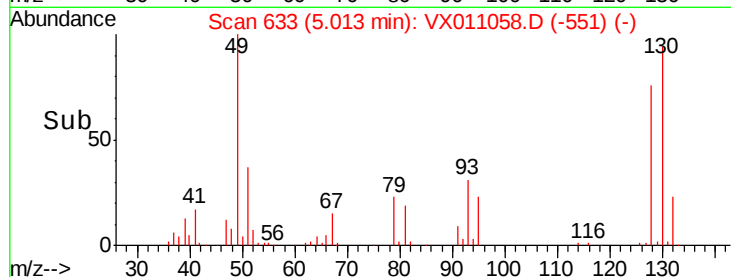
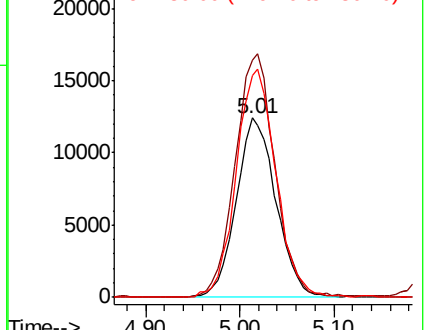
130 127.2 0.0 324.7



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: 19.373 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX011058.D

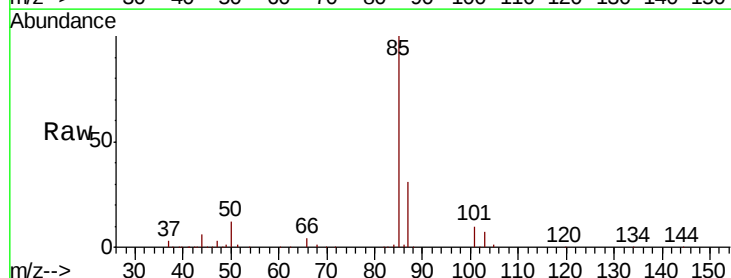
Acq: 24 Jul 2019 13:42

Tgt Ion: 85 Resp: 46946

Ion Ratio Lower Upper

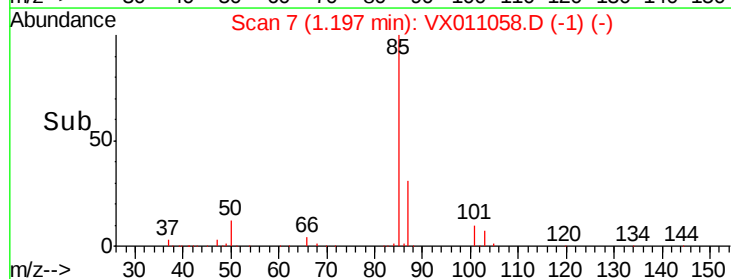
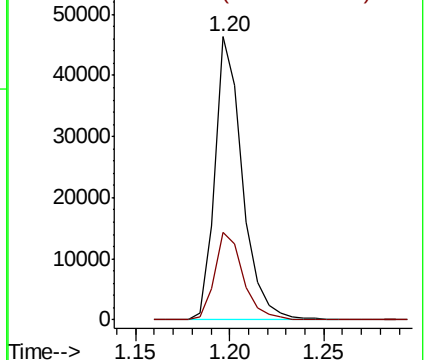
85 100

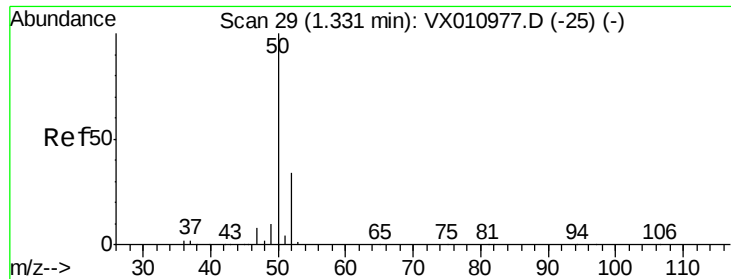
87 31.1 15.4 46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.013 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

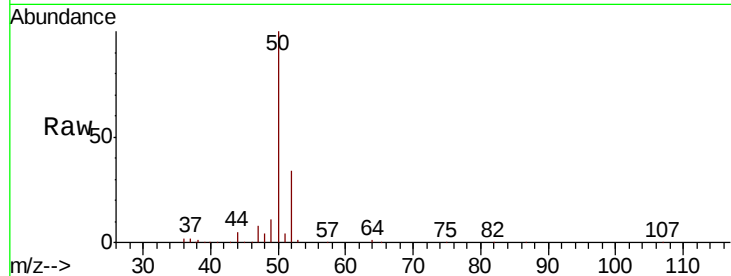
ClientSampleId :

Tot Ion: 50 Resp: 38384

Ion Ratio Lower Upper

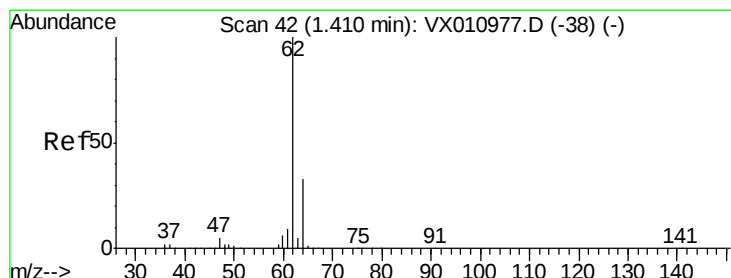
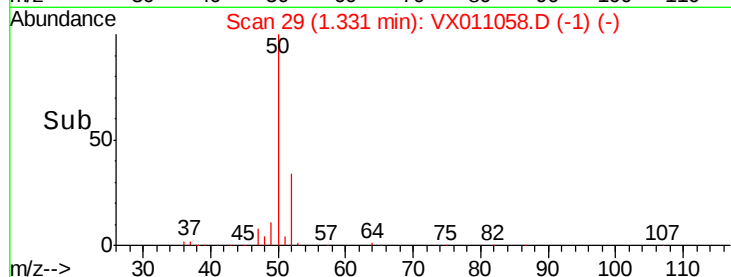
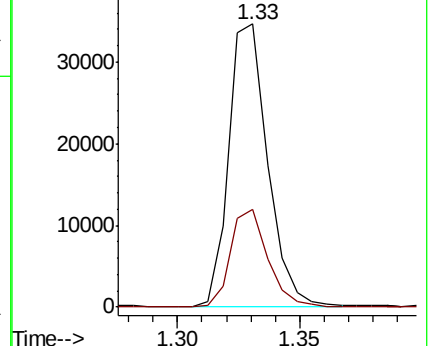
50 100

52 34.5 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.566 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011058.D

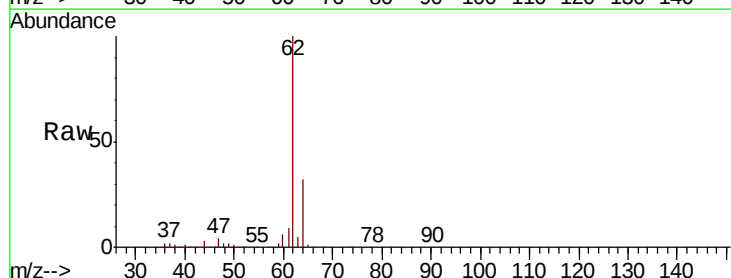
Acq: 24 Jul 2019 13:42

Tgt Ion: 62 Resp: 41257

Ion Ratio Lower Upper

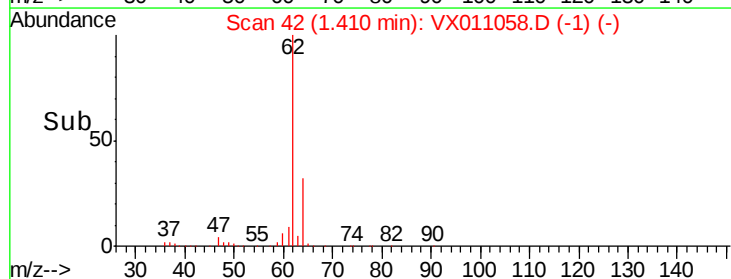
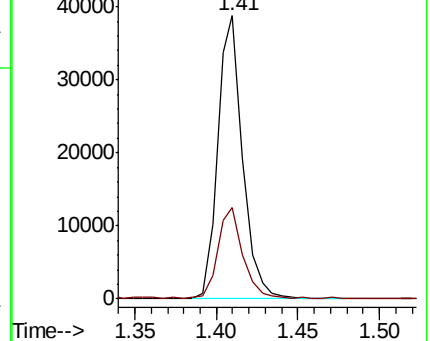
62 100

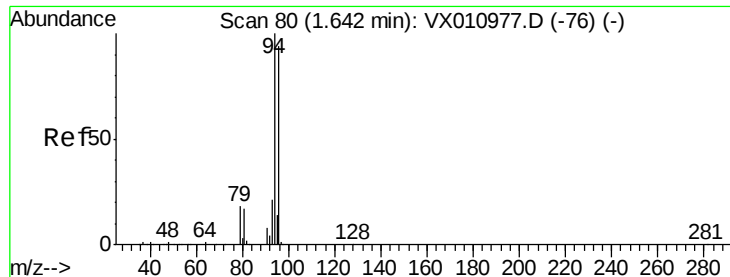
64 31.9 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 21.459 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

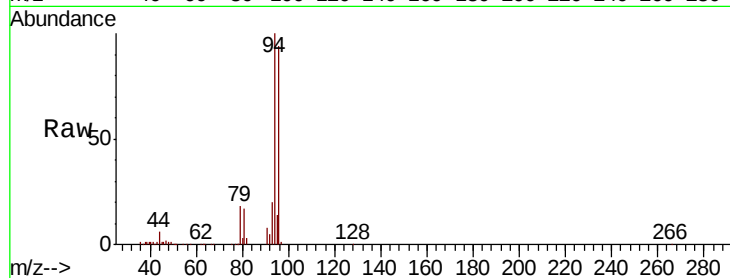
ClientSampleId :

Tot Ion: 94 Resp: 26250

Ion Ratio Lower Upper

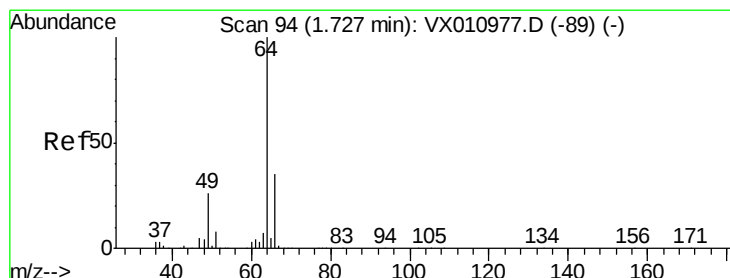
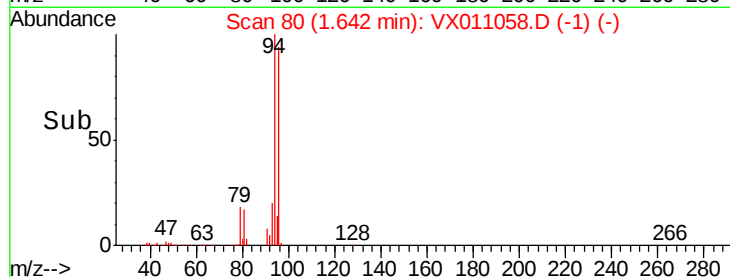
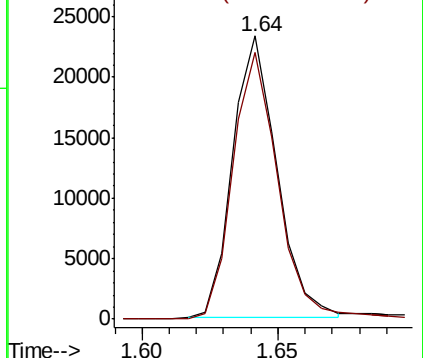
94 100

96 94.1 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: 18.969 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX011058.D

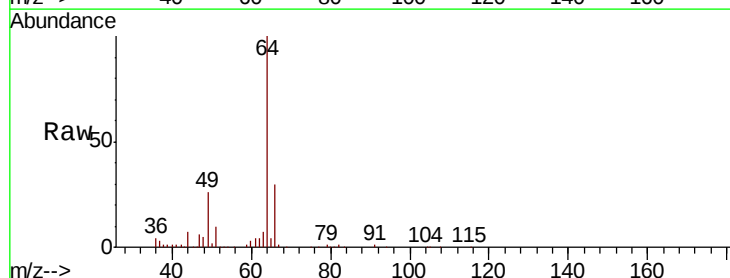
Acq: 24 Jul 2019 13:42

Tgt Ion: 64 Resp: 24938

Ion Ratio Lower Upper

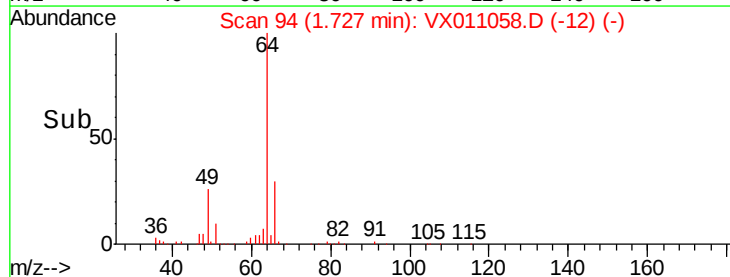
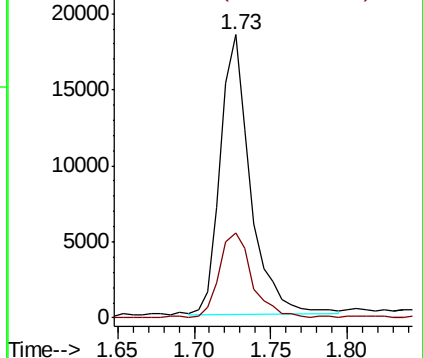
64 100

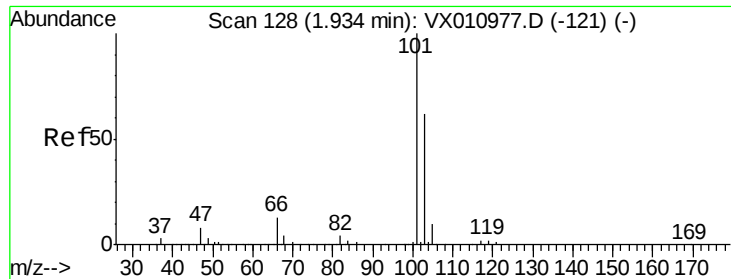
66 30.3 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



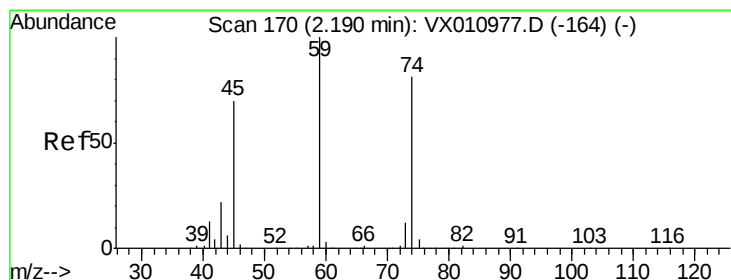
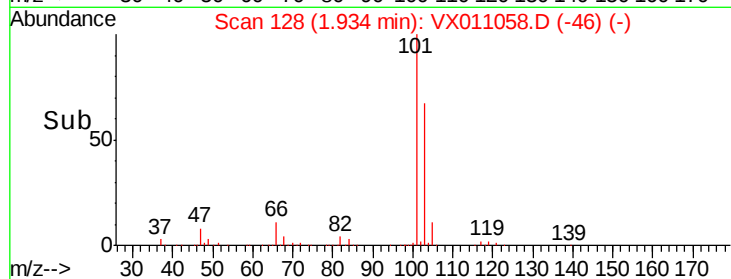
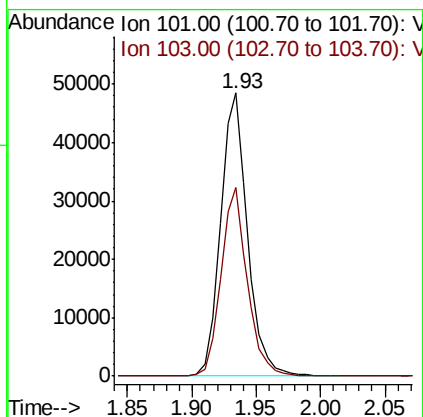
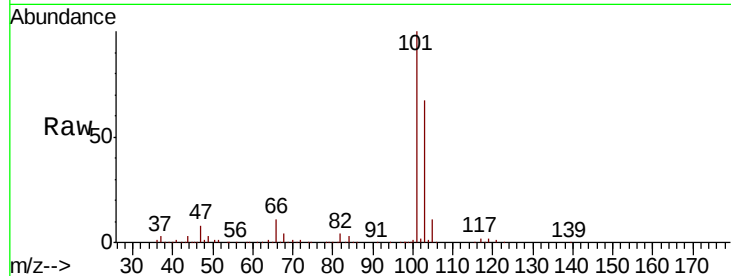


#7

Trichlorofluoromethane
 Concen: 19.233 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampled :

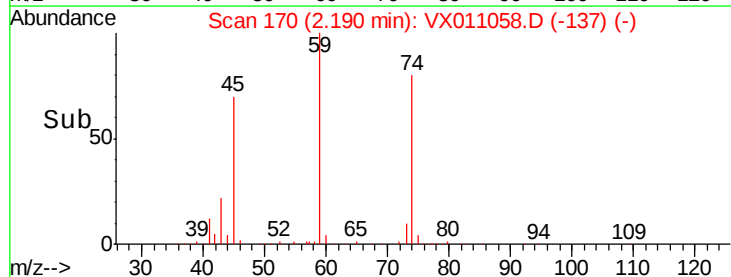
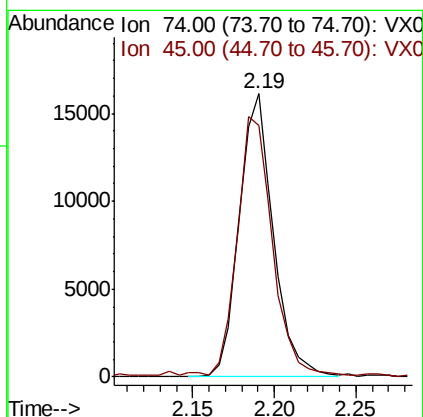
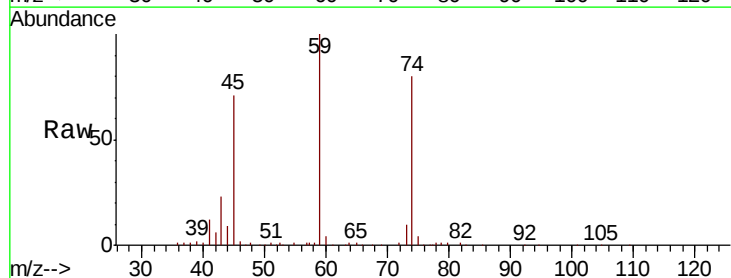
Tot Ion:101 Resp: 70981
 Ion Ratio Lower Upper
 101 100
 103 66.6 49.6 74.4

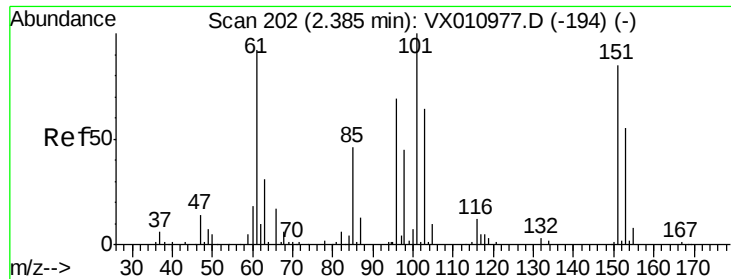


#8

Diethyl Ether
 Concen: 19.383 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 74 Resp: 23492
 Ion Ratio Lower Upper
 74 100
 45 93.6 18.3 164.3

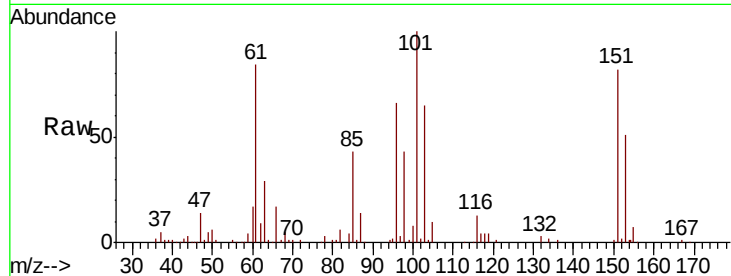




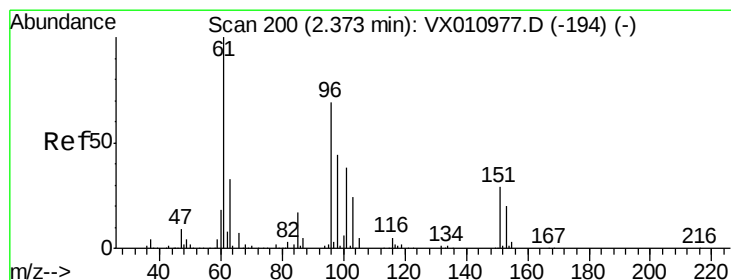
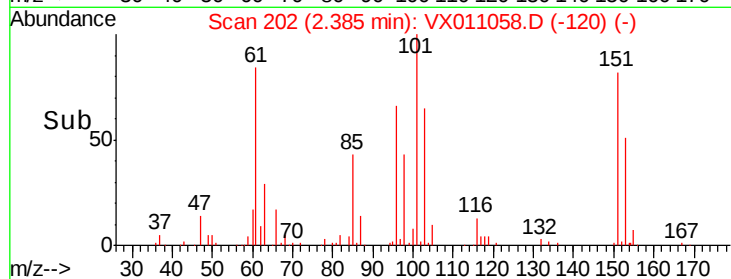
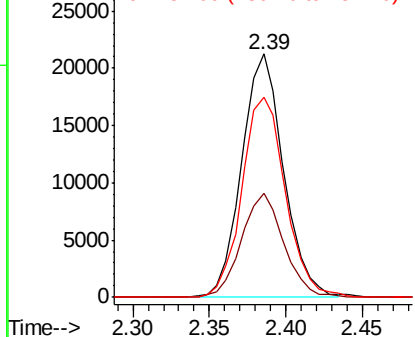
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.852 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 101 Resp: 40493
 Ion Ratio Lower Upper
 101 100
 85 43.0 0.0 89.8
 151 85.2 0.0 172.2

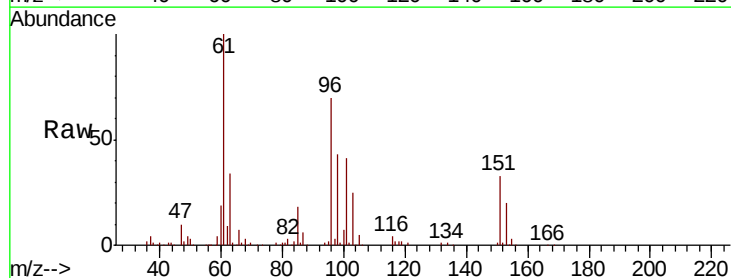


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VX0
 Ion 151.00 (150.70 to 151.70): V

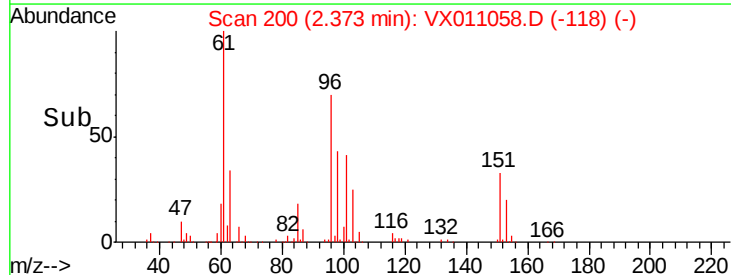
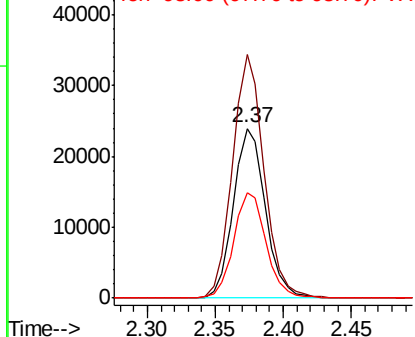


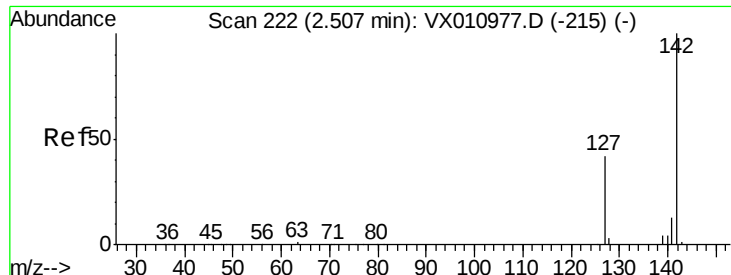
#10
 1,1-Dichloroethene
 Concen: 19.099 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 96 Resp: 39151
 Ion Ratio Lower Upper
 96 100
 61 143.5 115.9 173.9
 98 61.8 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

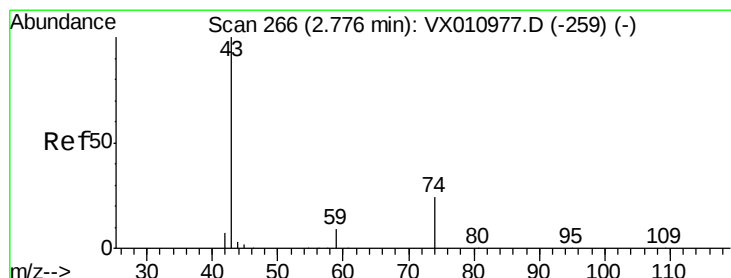
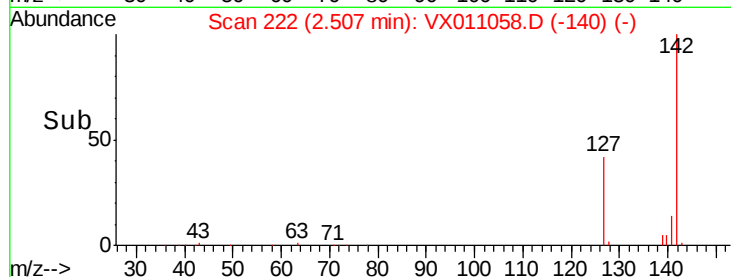
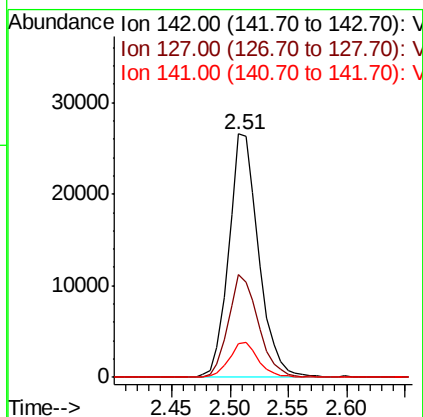
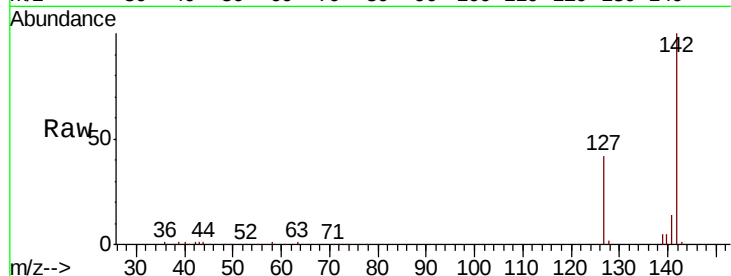




#11
Methvl Iodide
Concen: 17.236 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

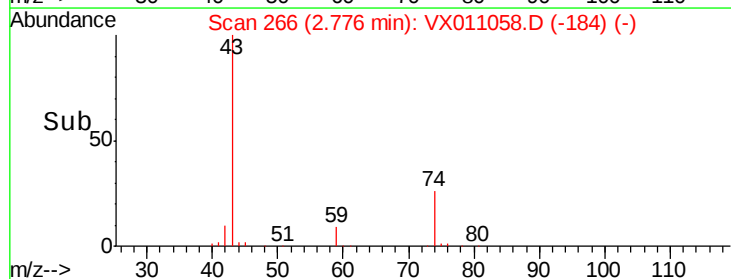
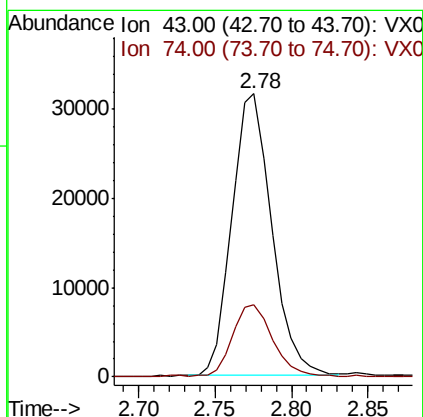
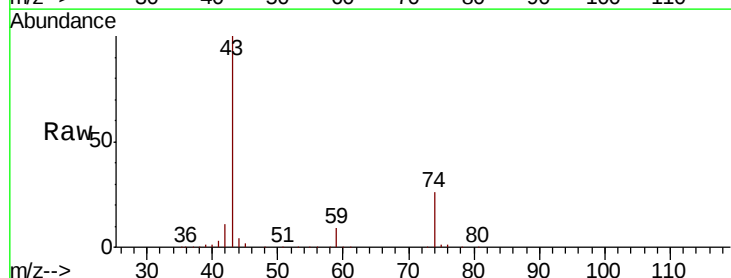
Instrument :
MSVOA_X
ClientSampleId :

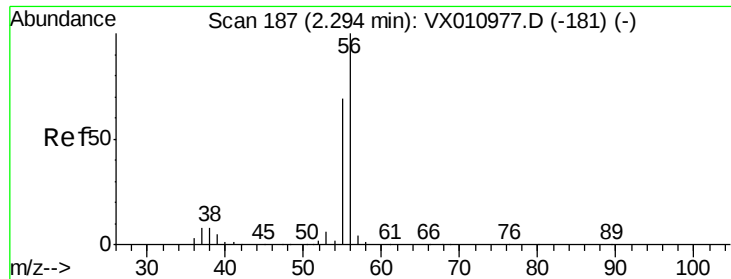
Tot Ion:142 Resp: 47448
Ion Ratio Lower Upper
142 100
127 42.1 20.7 62.1
141 13.8 6.7 20.0



#12
Methyl Acetate
Concen: 19.862 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 43 Resp: 57185
Ion Ratio Lower Upper
43 100
74 25.6 19.8 29.6





#13

Acrolein

Concen: 92.576 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

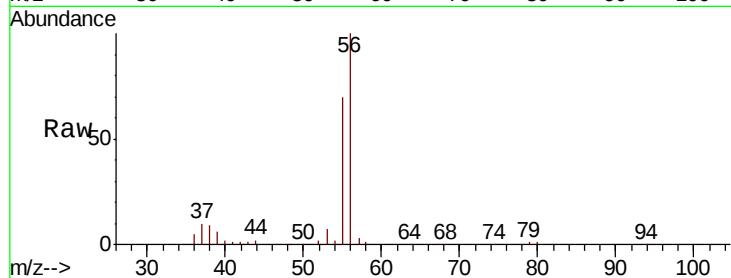
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 31958

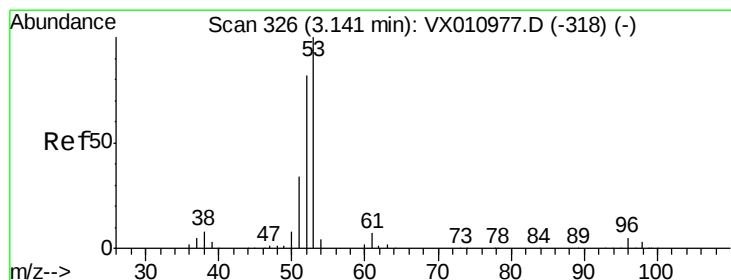
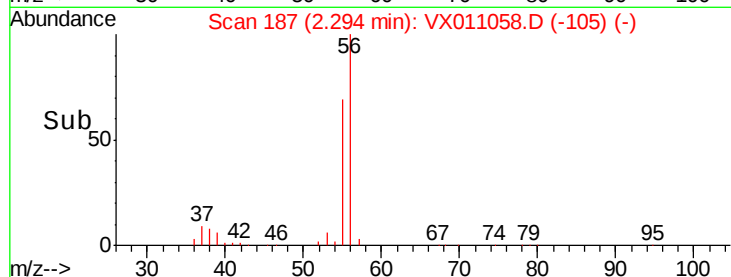
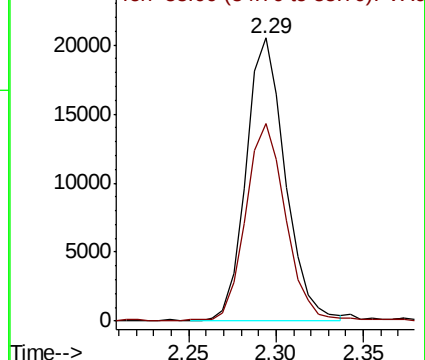
Ion Ratio Lower Upper

56 100

55 71.4 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: 99.891 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

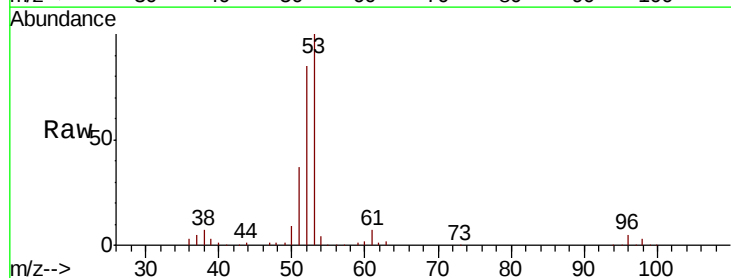
Tgt Ion: 53 Resp: 112561

Ion Ratio Lower Upper

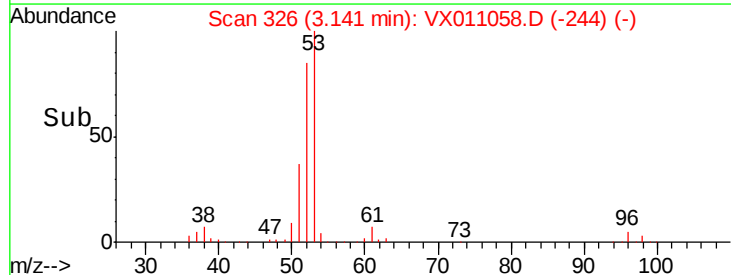
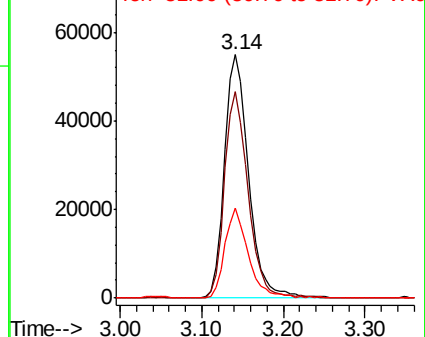
53 100

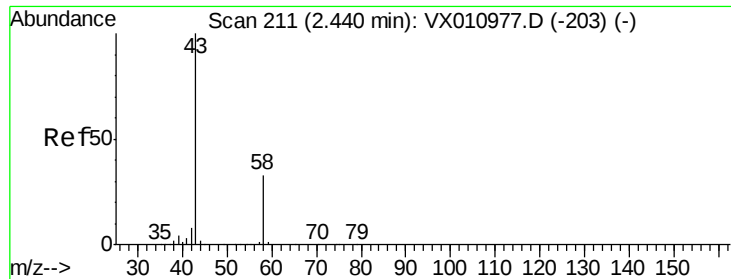
52 83.0 41.1 123.4

51 36.0 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: 115.332 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

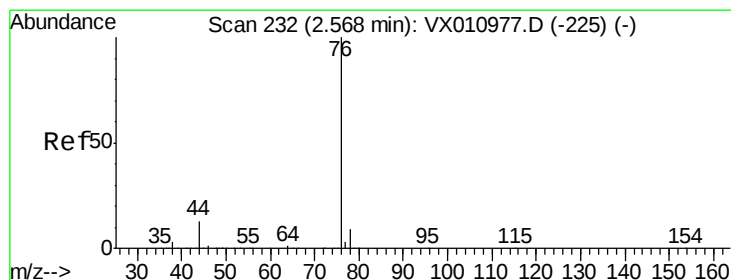
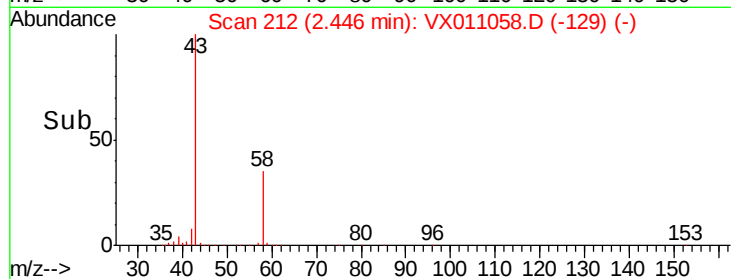
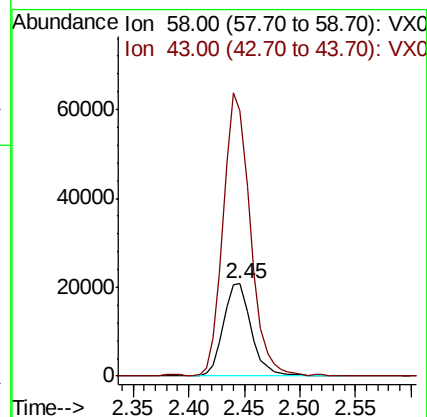
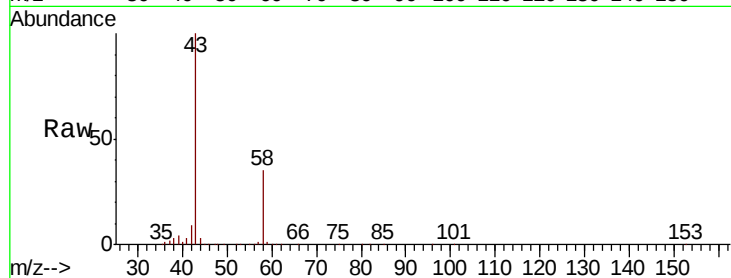
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 36189

Ion Ratio Lower Upper

58 100

43 287.7 243.8 365.6



#16

Carbon Disulfide

Concen: 15.850 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011058.D

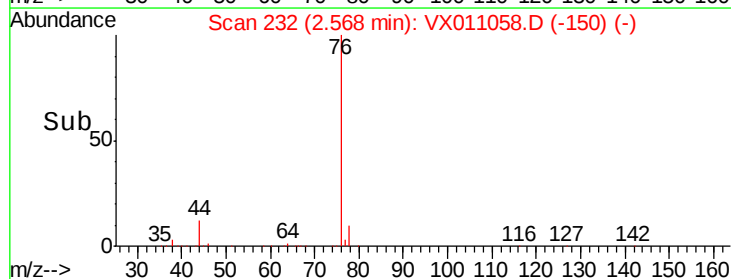
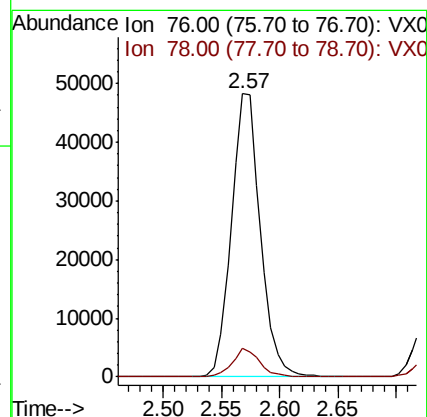
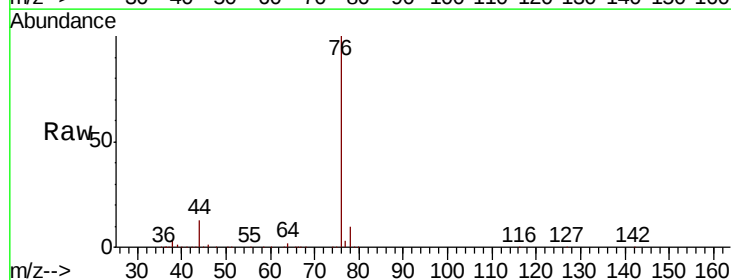
Acq: 24 Jul 2019 13:42

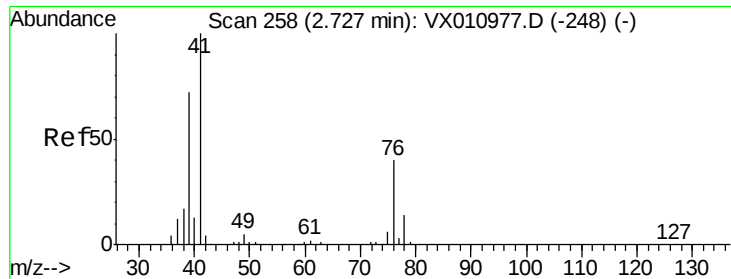
Tgt Ion: 76 Resp: 83486

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

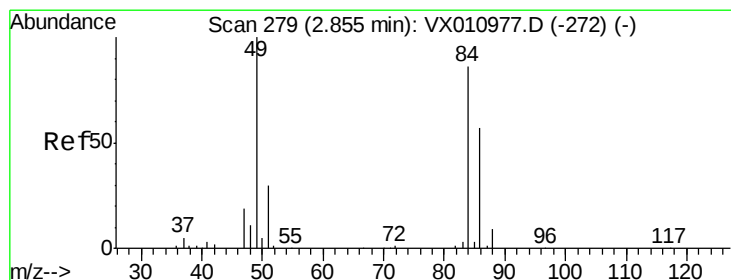
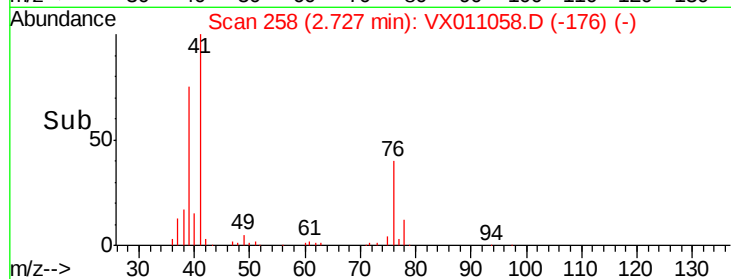
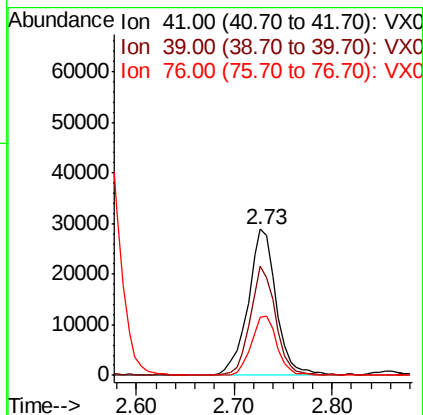
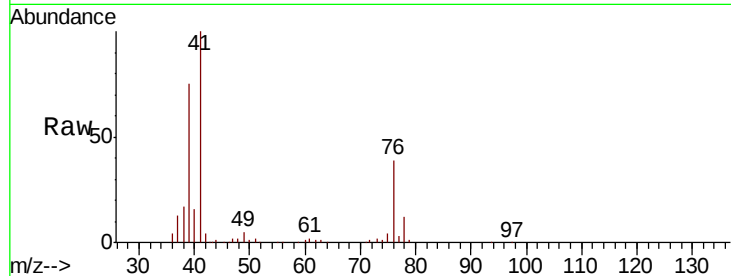




#17
Allvl chloride
Concen: 19.510 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

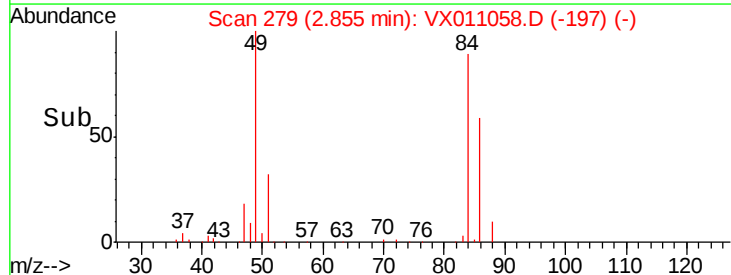
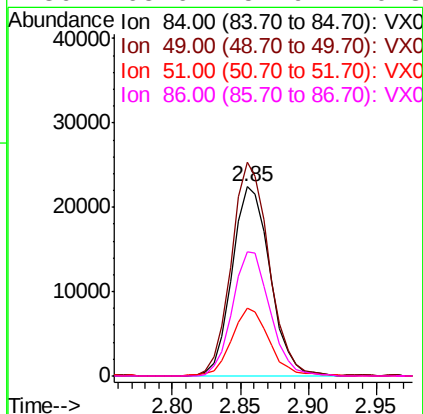
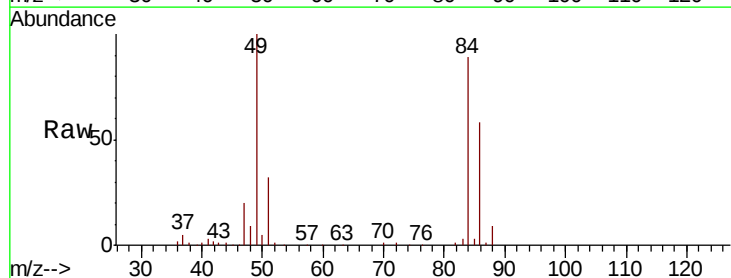
Instrument :
MSVOA_X
ClientSampled :

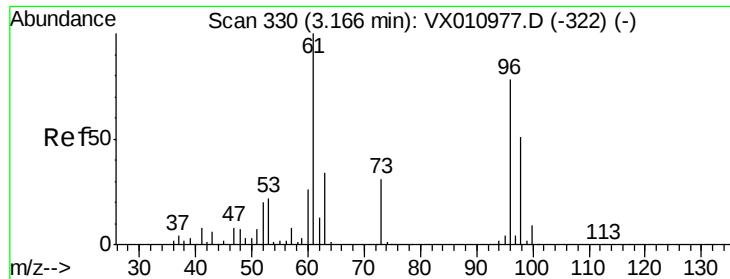
Tot Ion: 41 Resp: 57900
Ion Ratio Lower Upper
41 100
39 74.6 36.1 108.3
76 39.6 20.2 60.5



#18
Methylene Chloride
Concen: 19.222 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 84 Resp: 43876
Ion Ratio Lower Upper
84 100
49 113.0 93.2 139.8
51 35.7 28.6 42.8
86 65.6 52.9 79.3





#19

trans-1,2-Dichloroethene

Concen: 18.441 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

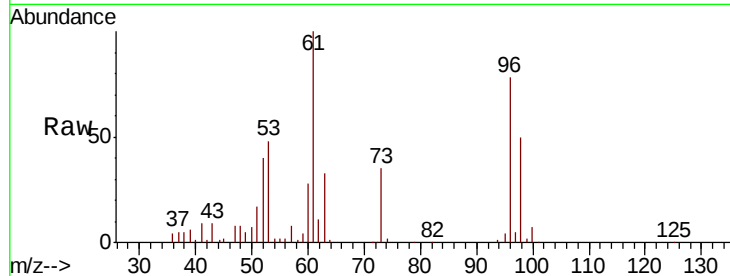
Tot Ion: 96 Resp: 39935

Ion Ratio Lower Upper

96 100

61 128.1 102.2 153.4

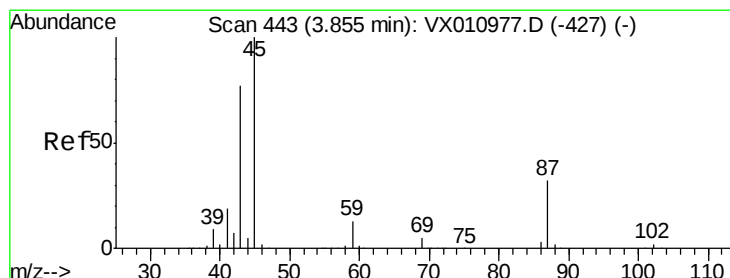
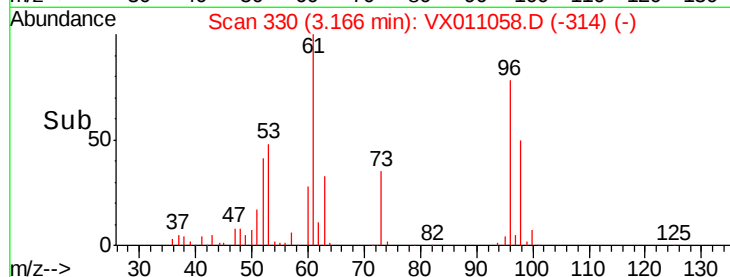
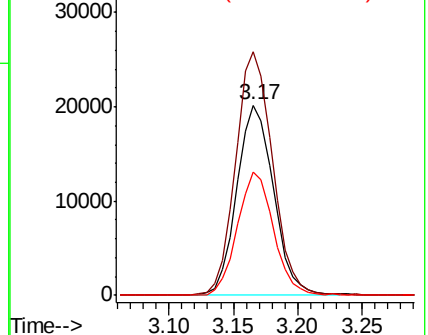
98 64.5 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 19.491 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion: 45 Resp: 122109

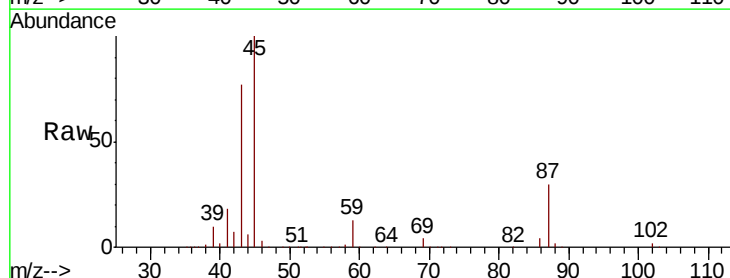
Ion Ratio Lower Upper

45 100

43 76.0 61.5 92.3

87 30.4 25.4 38.2

59 12.6 10.2 15.2

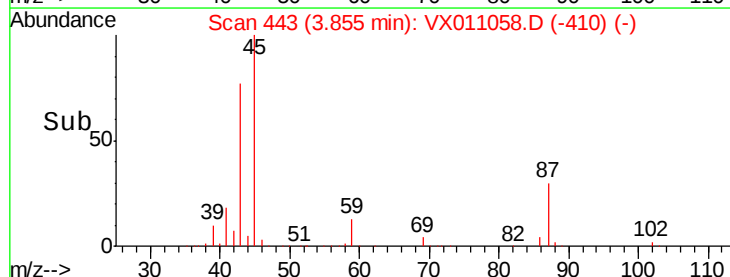
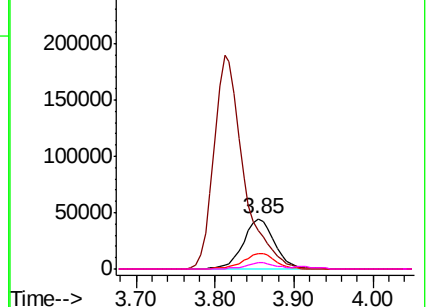


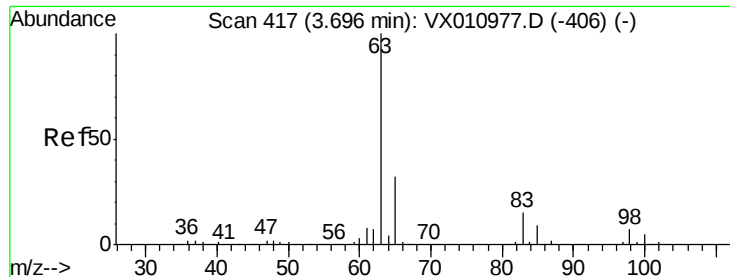
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 19.429 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

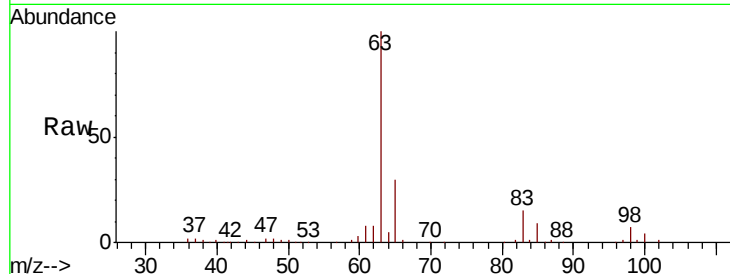
Tot Ion: 63 Resp: 70050

Ion Ratio Lower Upper

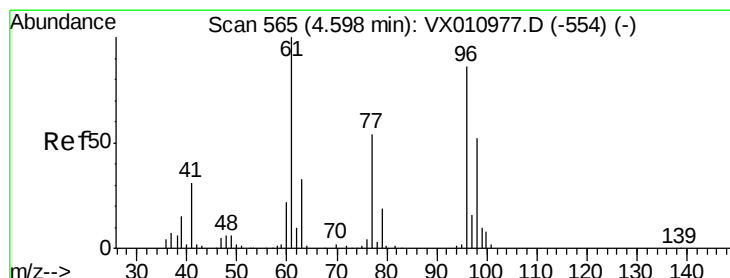
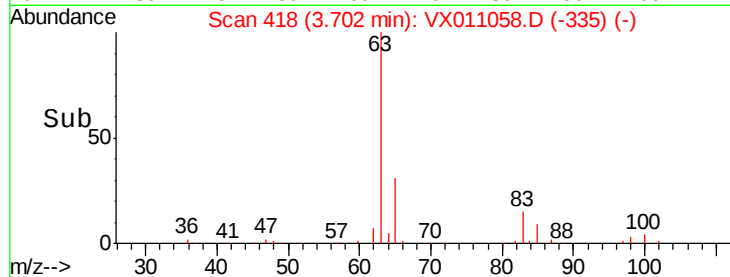
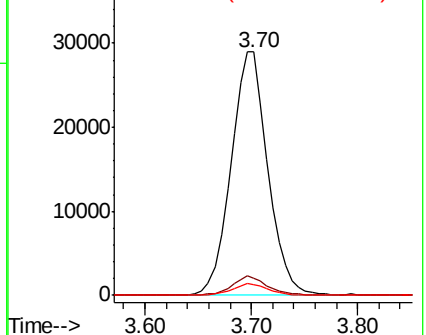
63 100

98 7.2 3.8 11.2

100 4.4 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: 18.992 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

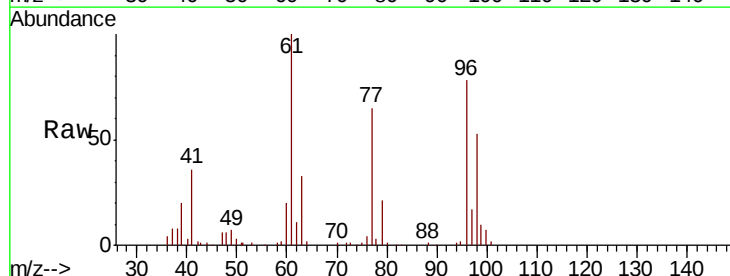
Tgt Ion: 96 Resp: 47301

Ion Ratio Lower Upper

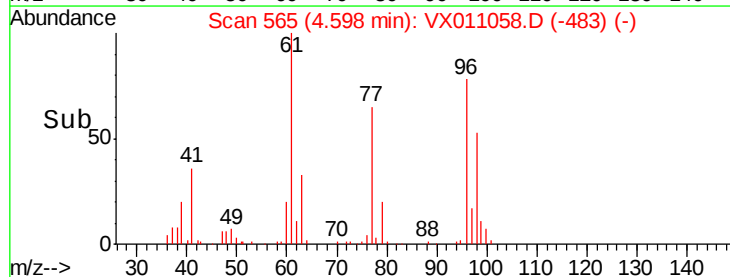
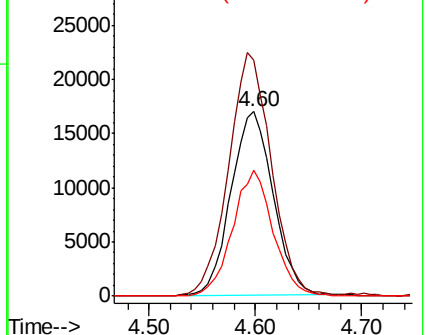
96 100

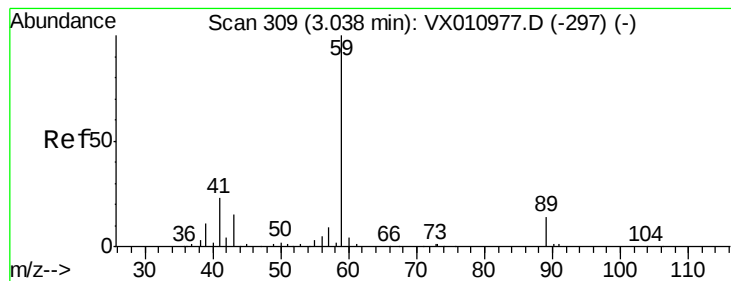
61 134.2 102.9 154.3

98 65.5 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



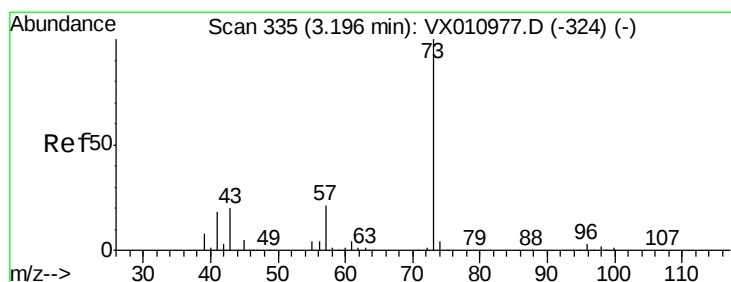
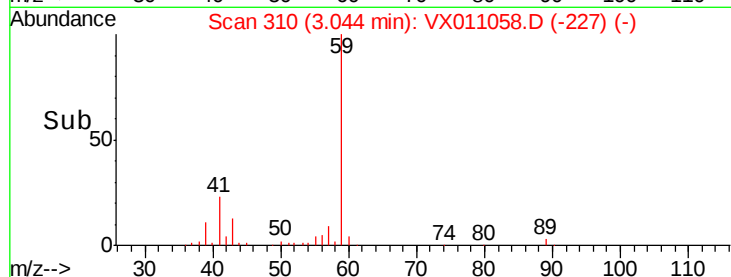
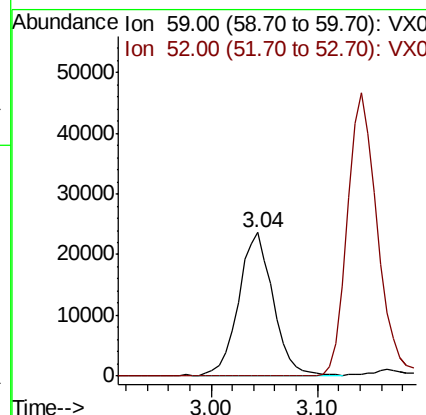
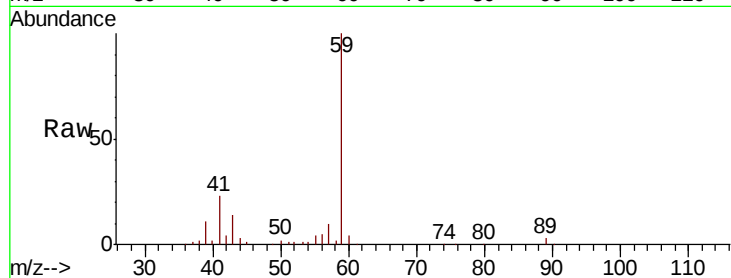


#23

tert-Butyl Alcohol
 Concen: 91.970 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampled :

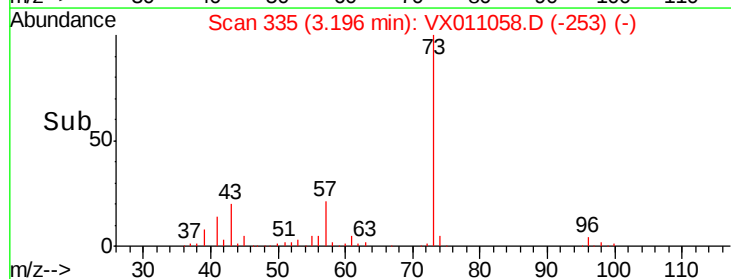
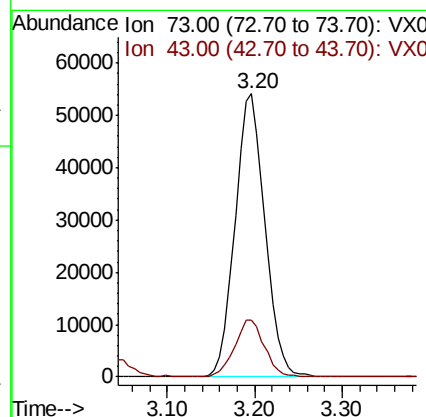
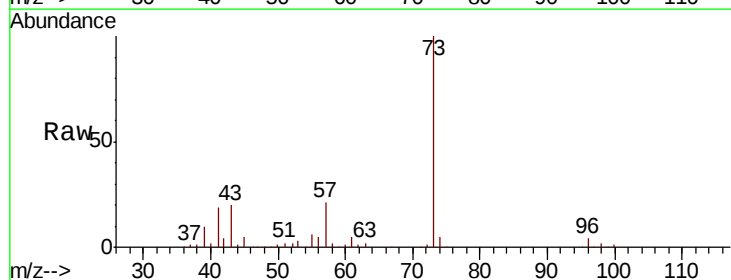
Tot Ion: 59 Resp: 54109
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.4

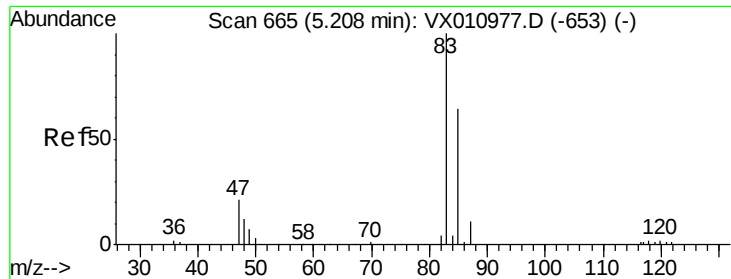


#24

Methyl tert-Butyl Ether
 Concen: 19.514 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 73 Resp: 128412
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.8 23.6

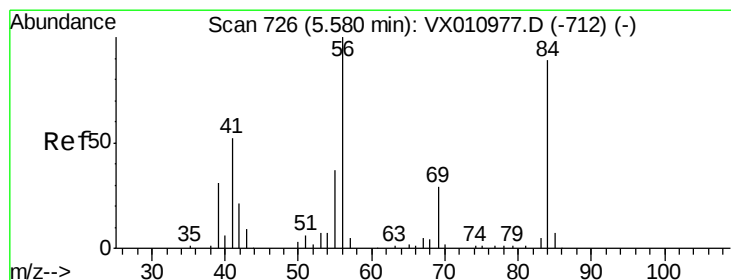
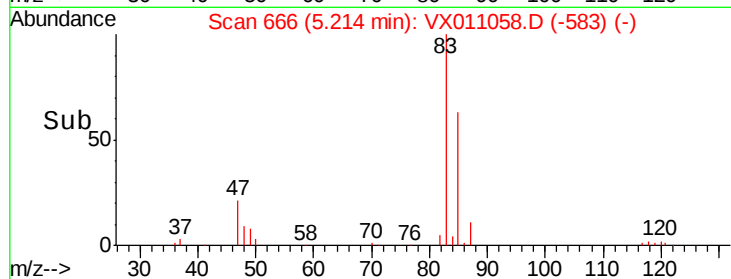
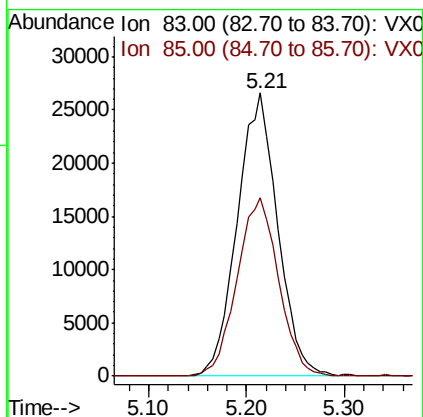
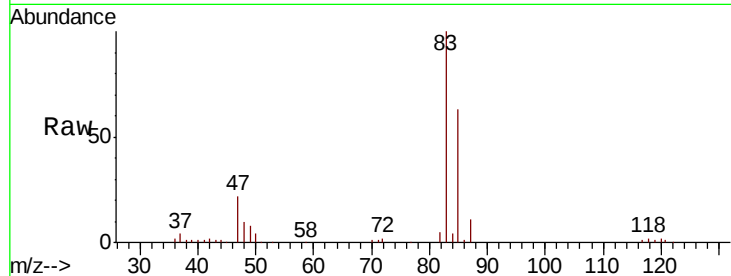




#25
Chloroform
Concen: 19.308 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

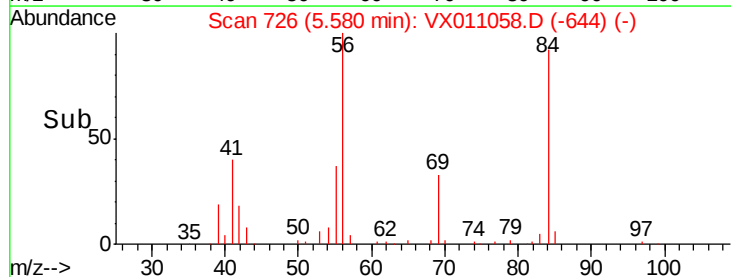
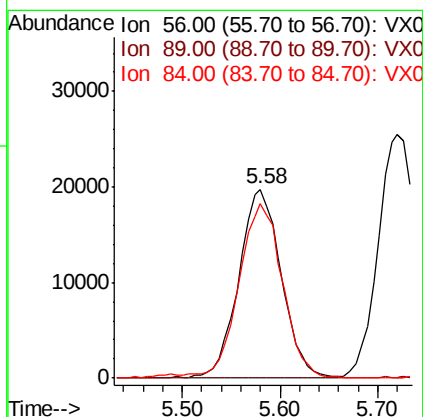
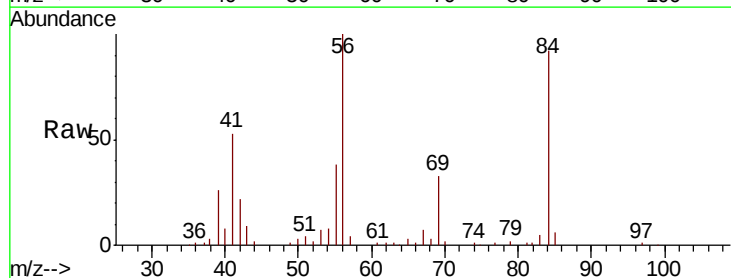
Instrument :
MSVOA_X
ClientSampled :

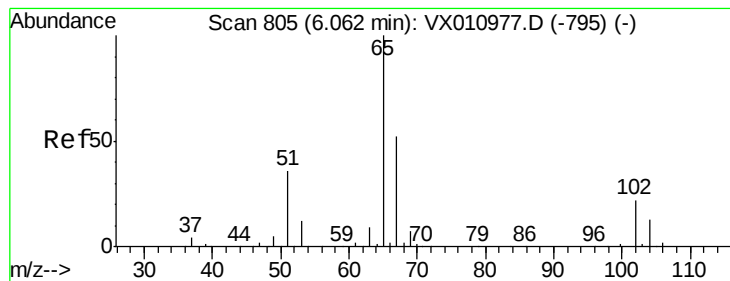
Tot Ion: 83 Resp: 76244
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3



#26
Cyclohexane
Concen: 17.890 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 56 Resp: 59023
Ion Ratio Lower Upper
56 100
89 0.2 0.0 0.0#
84 94.7 73.0 109.4





#27

1,2-Dichloroethane-d4

Concen: 29.190 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

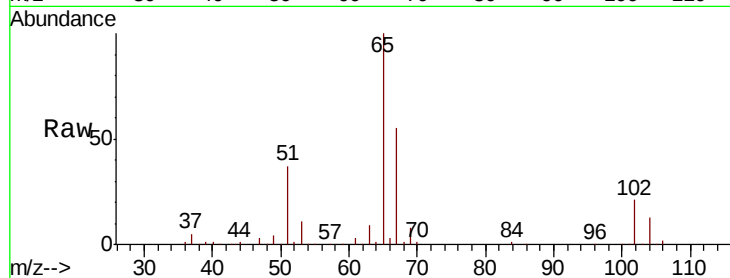
ClientSampleId :

Tot Ion: 65 Resp: 72536

Ion Ratio Lower Upper

65 100

67 52.9 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

30000

25000

20000

15000

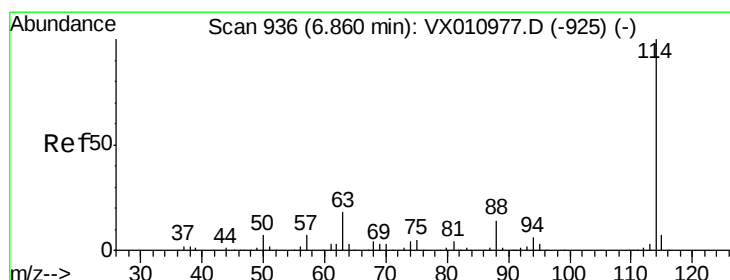
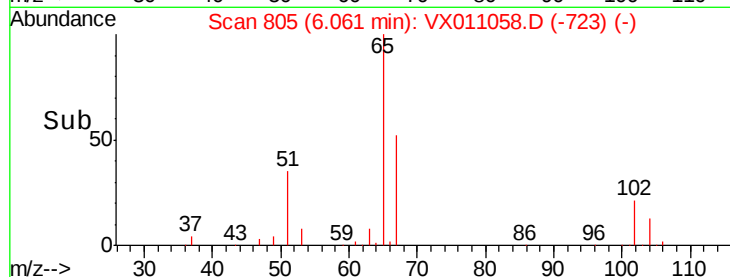
10000

5000

0

Time-->

5.95 6.00 6.05 6.10 6.15



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

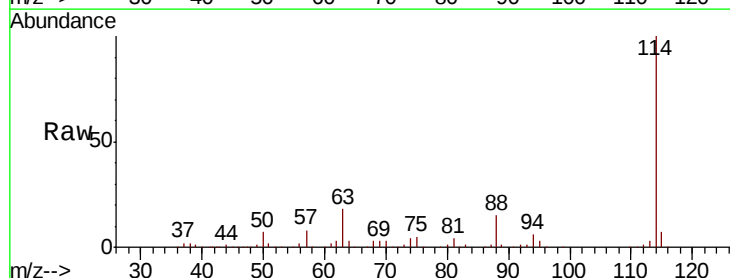
Tgt Ion: 114 Resp: 203026

Ion Ratio Lower Upper

114 100

63 18.1 14.6 22.0

88 14.9 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

120000

100000

80000

60000

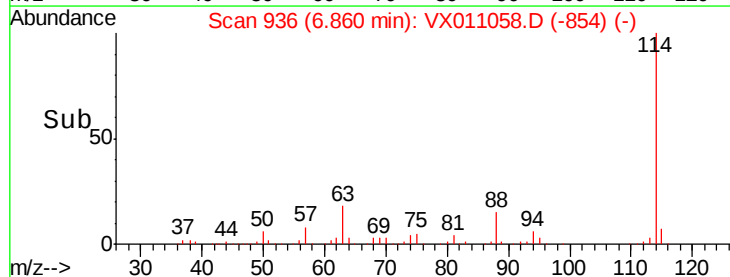
40000

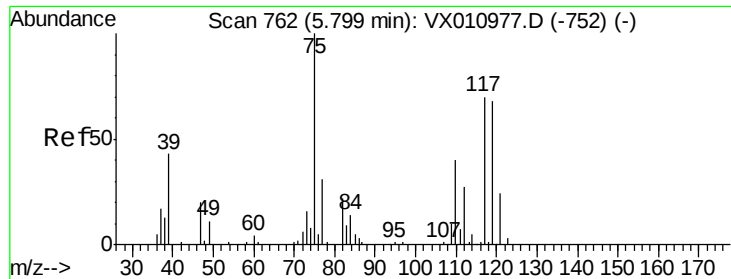
20000

0

Time-->

6.80 6.90

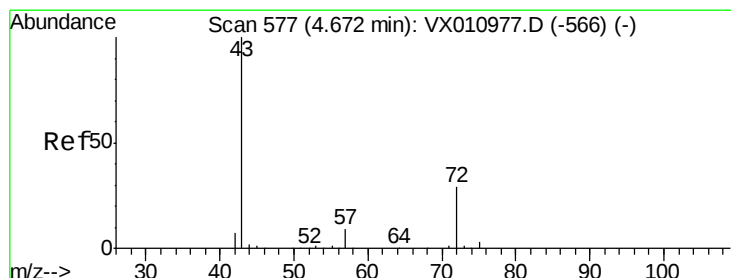
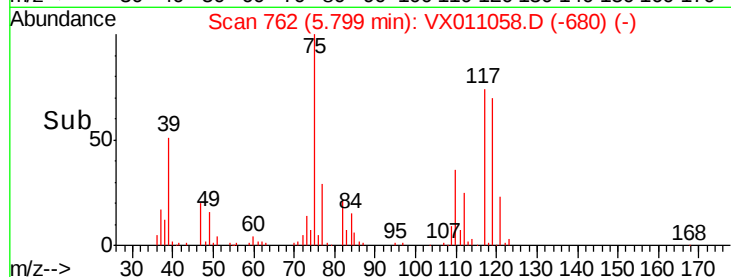
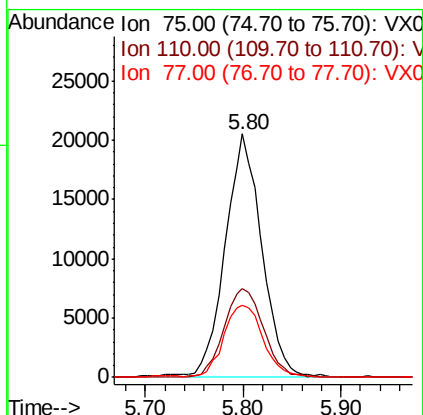
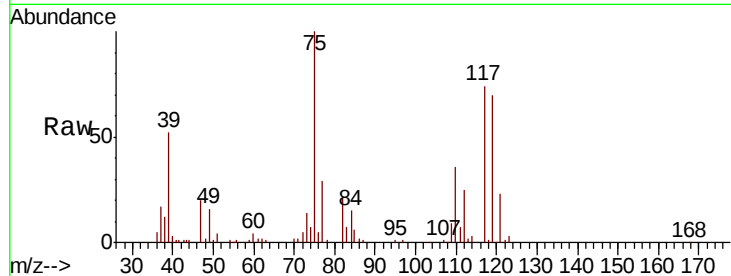




#29
 1,1-Dichloropropene
 Concen: 18.642 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

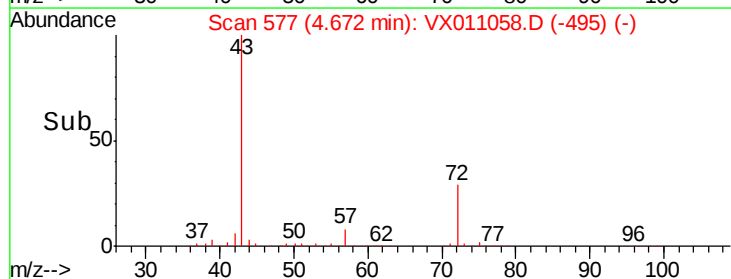
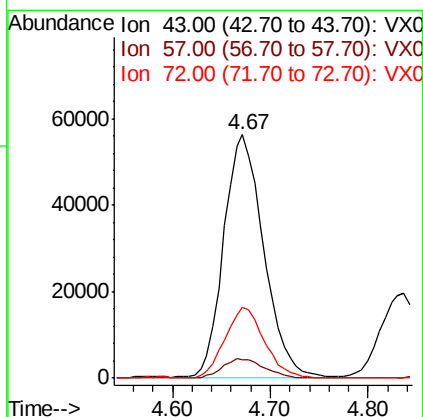
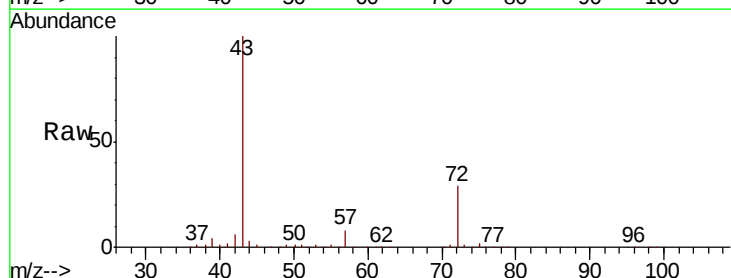
Instrument :
 MSVOA_X
 ClientSampled :

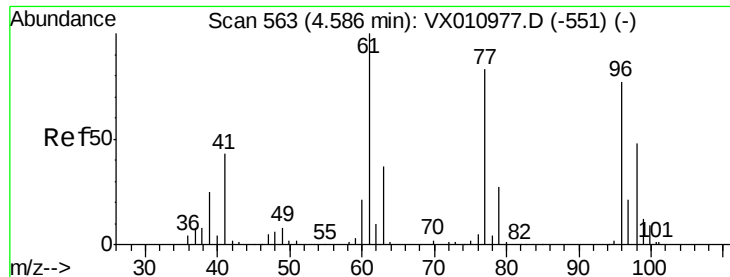
Tot Ion	Ratio	Lower	Upper
75	100		
110	39.1	0.0	79.8
77	32.1	0.0	62.2



#30
 2-Butanone
 Concen: 102.829 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.8	10.2
72	28.6	23.2	34.8

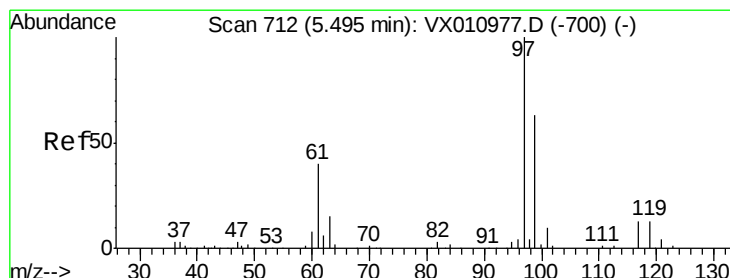
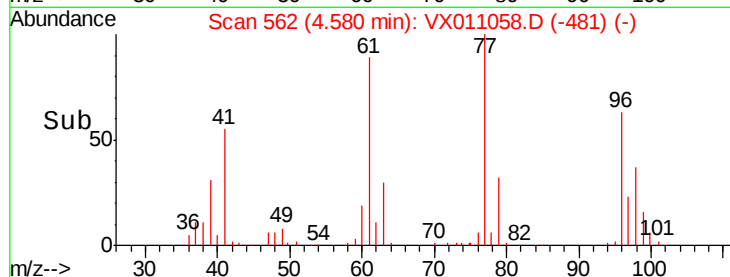
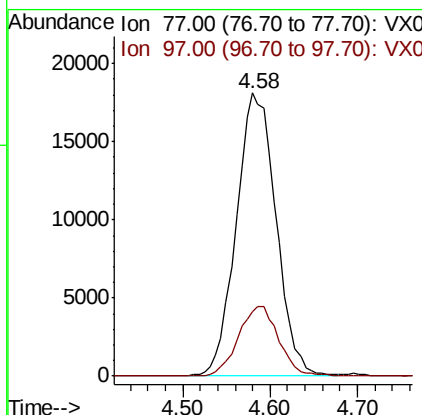
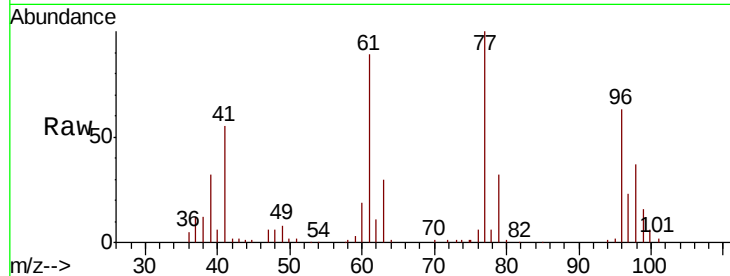




#31
 2,2-Dichloropropane
 Concen: 22.984 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

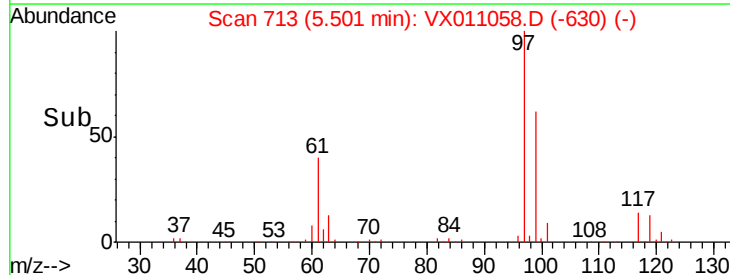
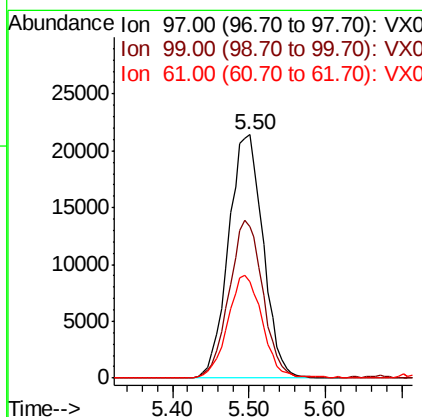
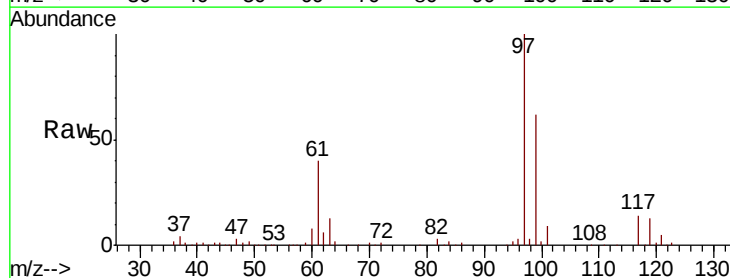
Instrument :
 MSVOA_X
 ClientSampled :

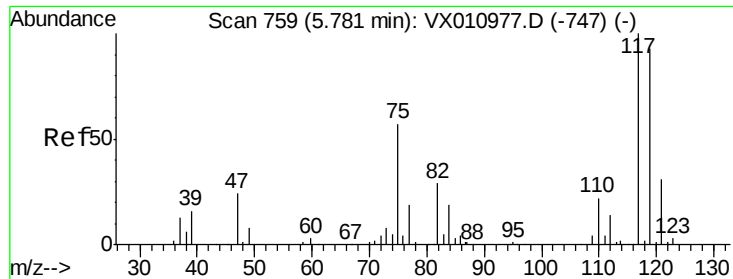
Tot Ion: 77 Resp: 57282
 Ion Ratio Lower Upper
 77 100
 97 24.8 20.9 31.3



#32
 1,1,1-Trichloroethane
 Concen: 19.486 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 97 Resp: 67092
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.0 76.6
 61 41.8 34.3 51.5

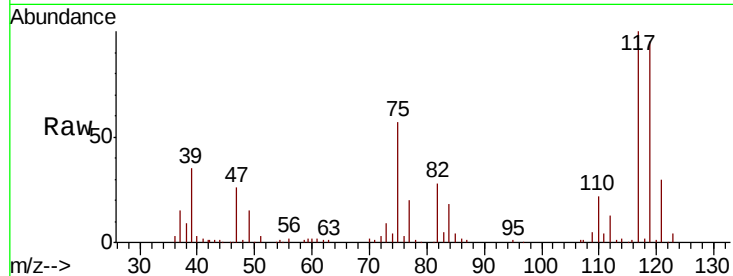




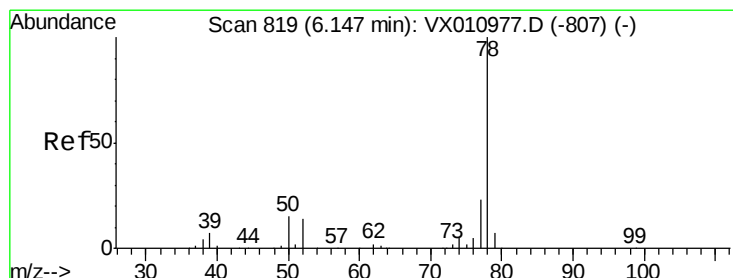
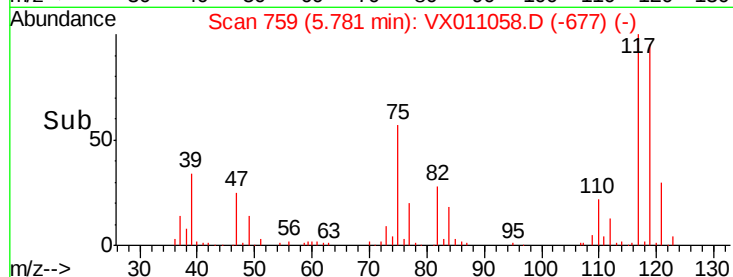
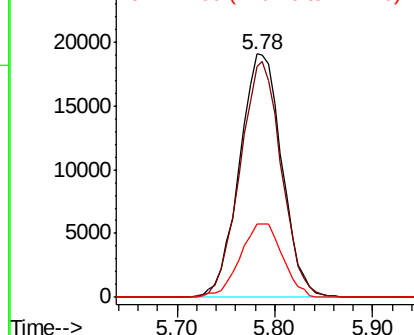
#33
Carbon Tetrachloride
Concen: 19.128 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 57263
Ion Ratio Lower Upper
117 100
119 94.6 74.3 111.5
121 30.1 24.9 37.3

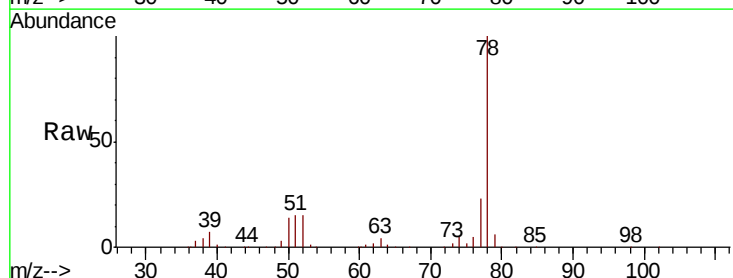


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

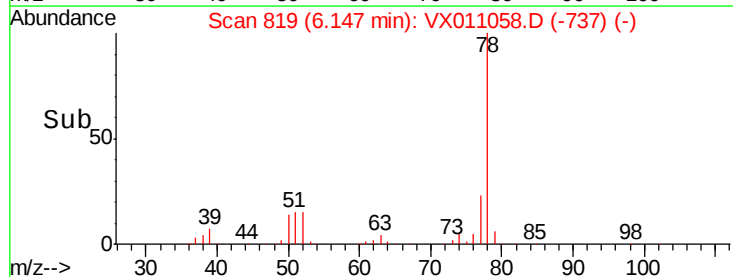
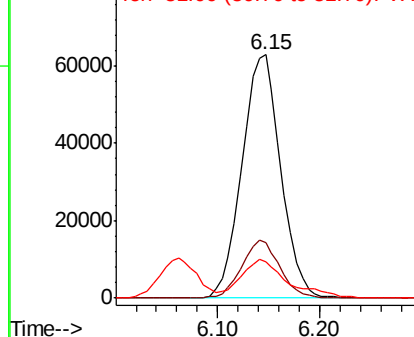


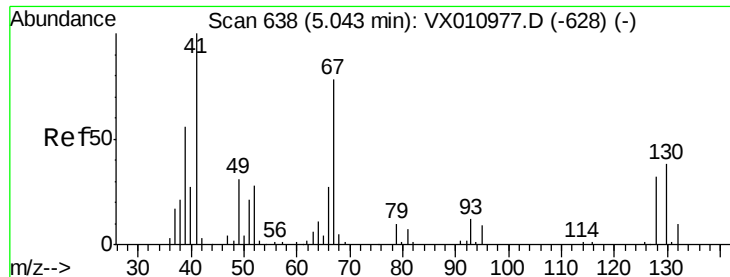
#34
Benzene
Concen: 19.315 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 78 Resp: 165429
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4
51 14.0 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

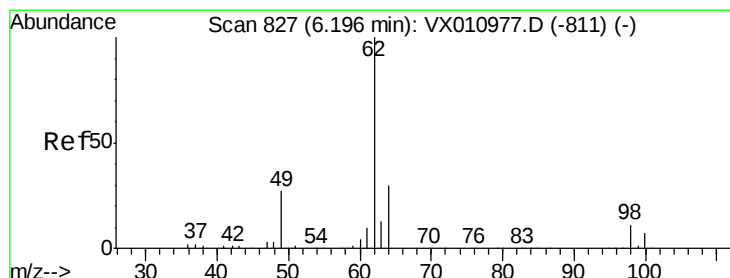
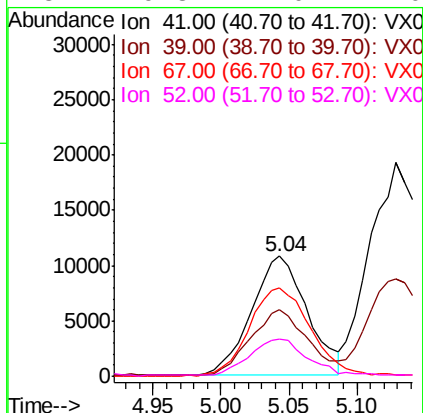
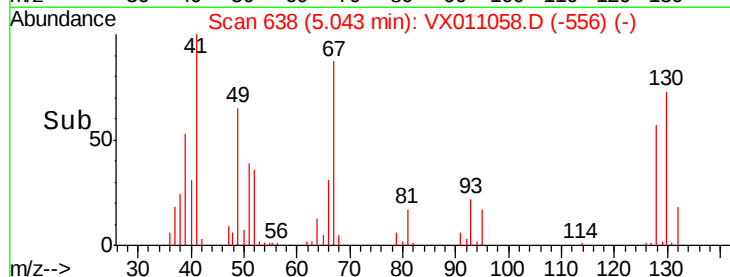
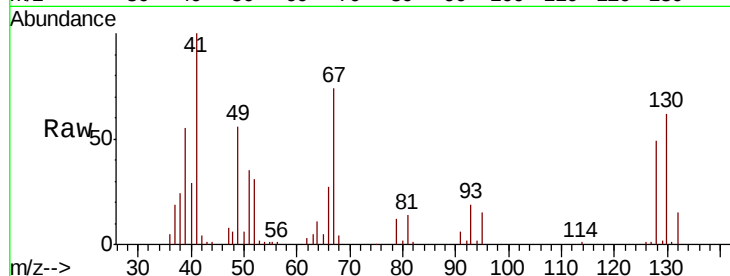




#35
Methacrylonitrile
Concen: 19.148 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

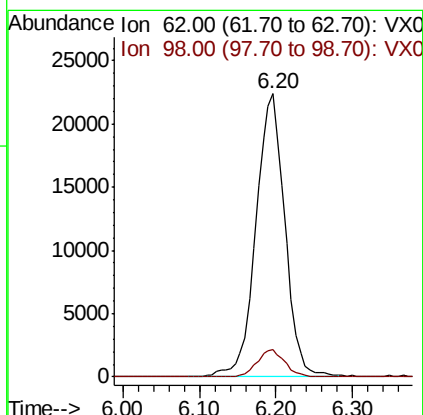
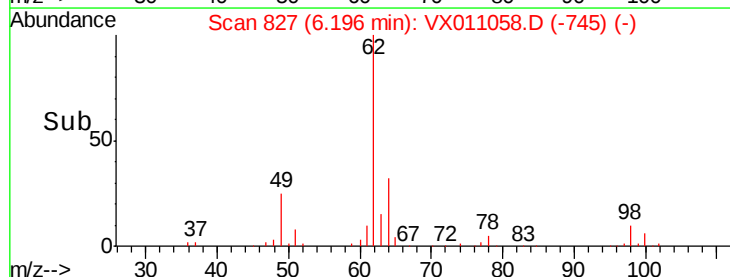
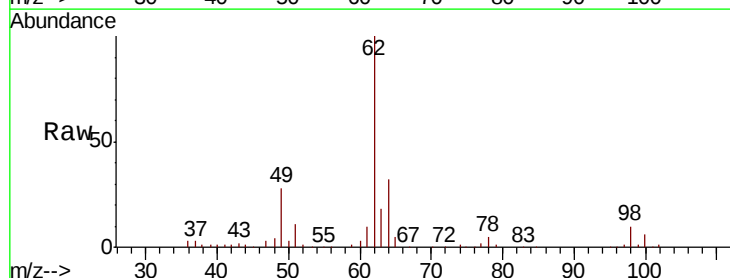
Instrument :
MSVOA_X
ClientSampled :

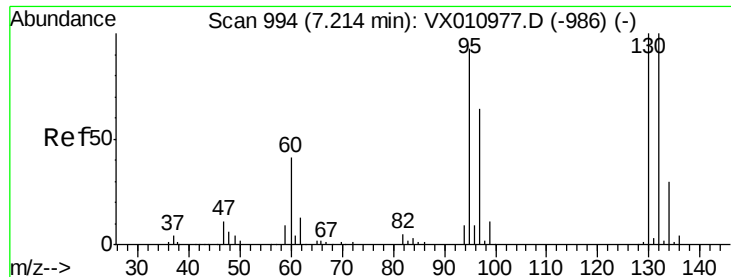
Tot Ion: 41 Resp: 30721
Ion Ratio Lower Upper
41 100
39 54.5 27.6 82.8
67 74.1 39.1 117.2
52 29.8 14.0 42.0



#36
1,2-Dichloroethane
Concen: 19.364 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 62 Resp: 59300
Ion Ratio Lower Upper
62 100
98 9.2 8.0 12.0

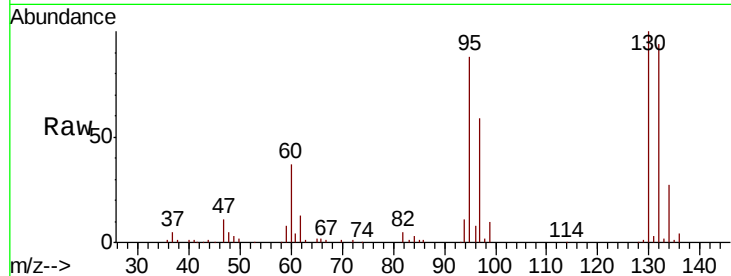




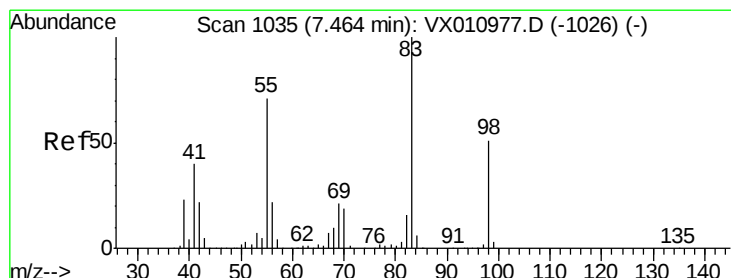
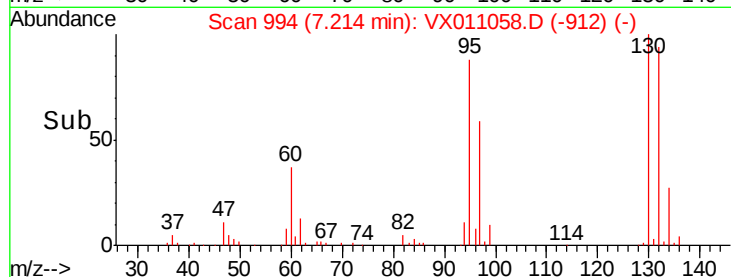
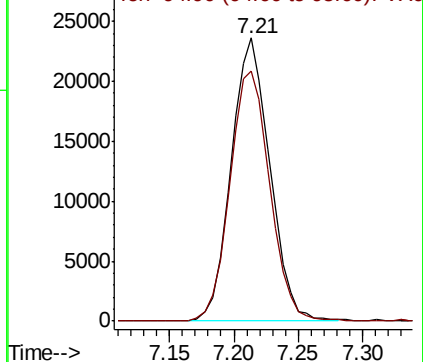
#37
 Trichloroethene
 Concen: 19.572 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 49074
 Ion Ratio Lower Upper
 130 100
 95 88.4 74.1 111.1

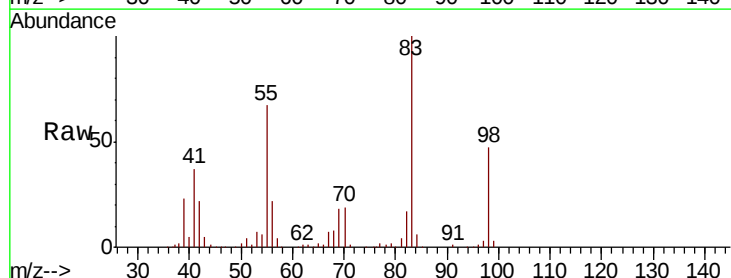


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

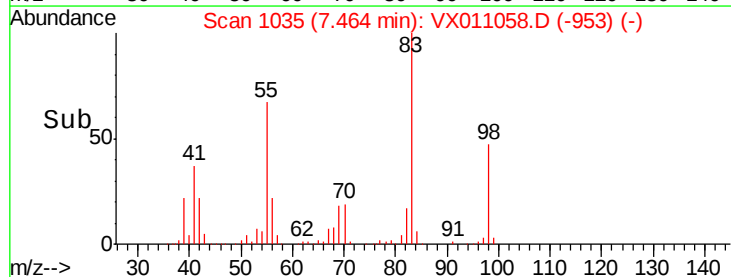
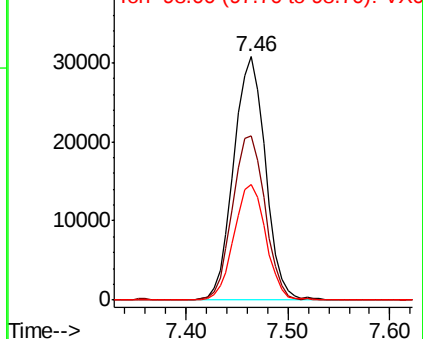


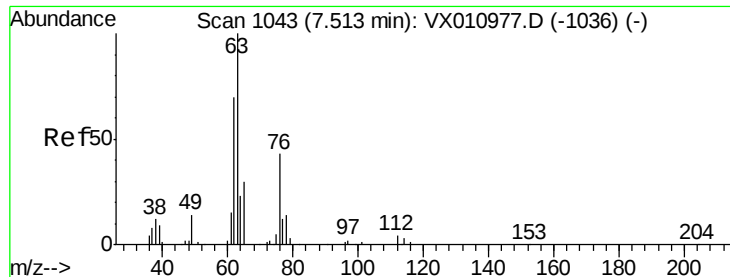
#38
 Methylcyclohexane
 Concen: 18.454 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 83 Resp: 66495
 Ion Ratio Lower Upper
 83 100
 55 69.3 35.3 105.9
 98 47.6 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: 19.409 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

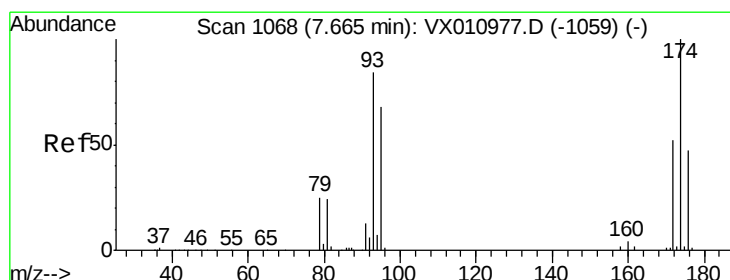
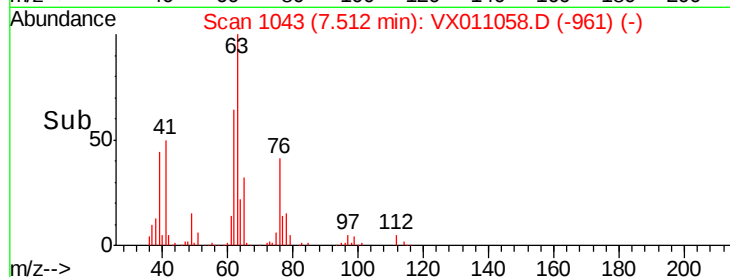
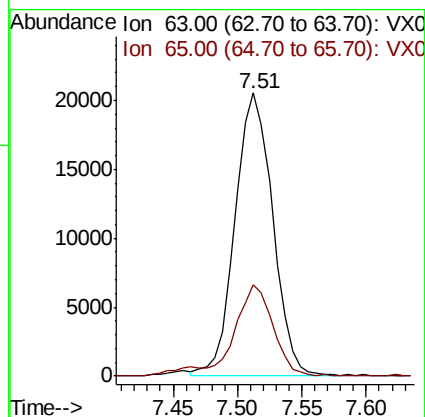
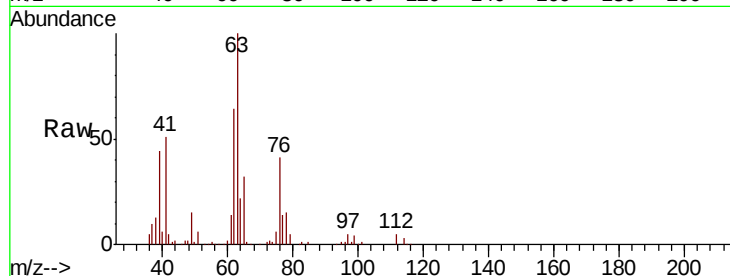
ClientSampleId :

Tot Ion: 63 Resp: 41551

Ion Ratio Lower Upper

63 100

65 32.5 25.6 38.4



#40

Dibromomethane

Concen: 19.011 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

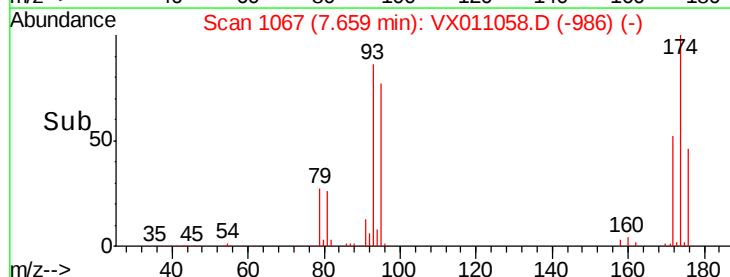
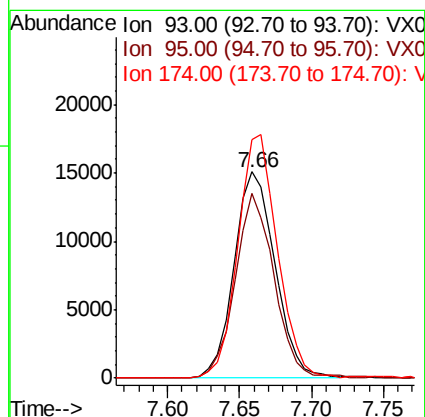
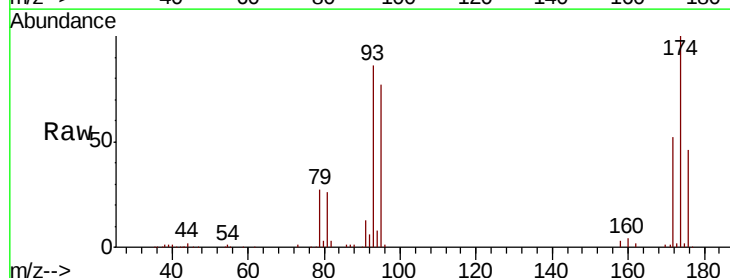
Tgt Ion: 93 Resp: 29933

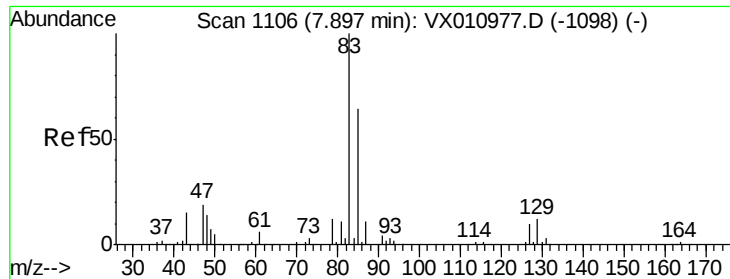
Ion Ratio Lower Upper

93 100

95 84.3 0.0 166.0

174 113.4 0.0 229.2





#41

Bromodichloromethane

Concen: 19.265 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

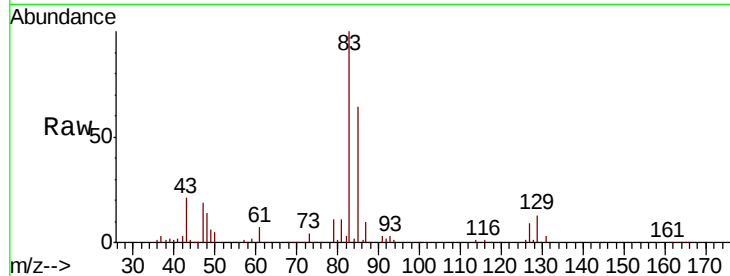
Tot Ion: 83 Resp: 55210

Ion Ratio Lower Upper

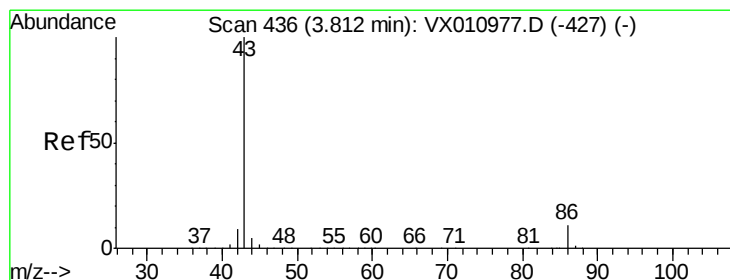
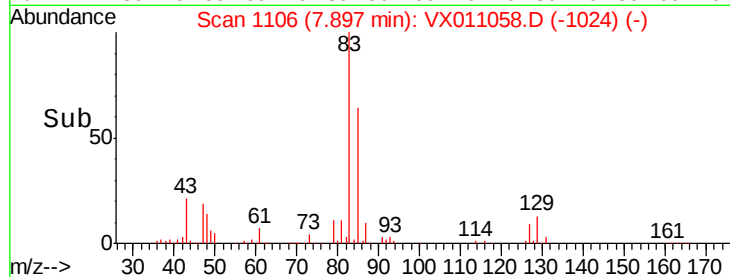
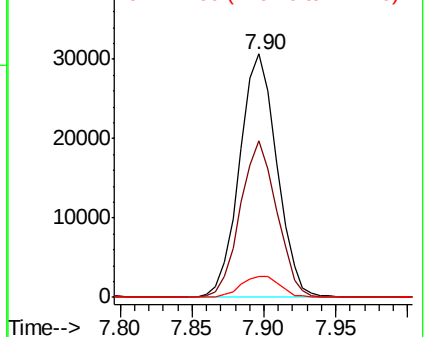
83 100

85 64.0 50.9 76.3

127 8.6 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: 97.474 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX011058.D

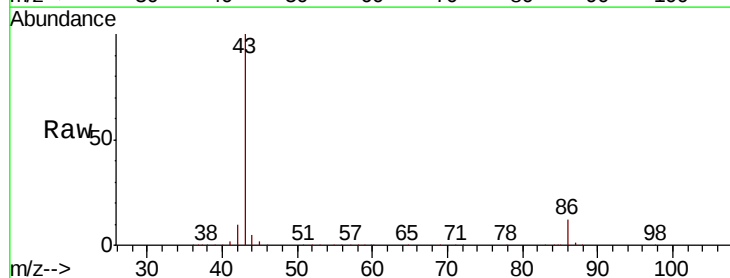
Acq: 24 Jul 2019 13:42

Tgt Ion: 43 Resp: 494940

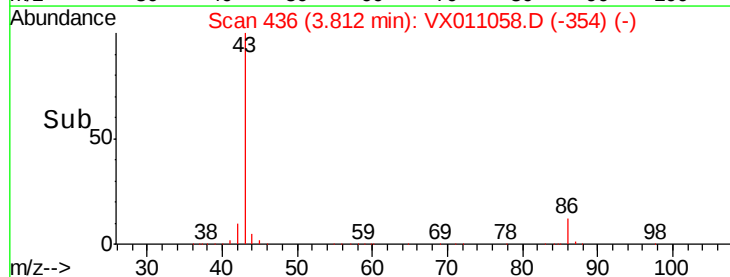
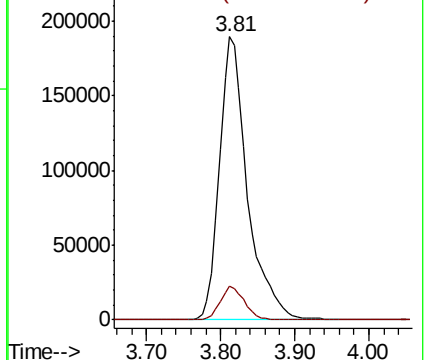
Ion Ratio Lower Upper

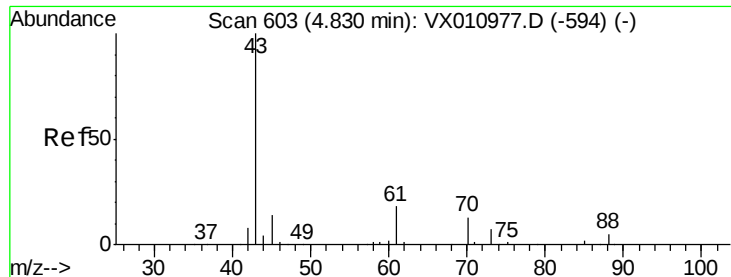
43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 19.588 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

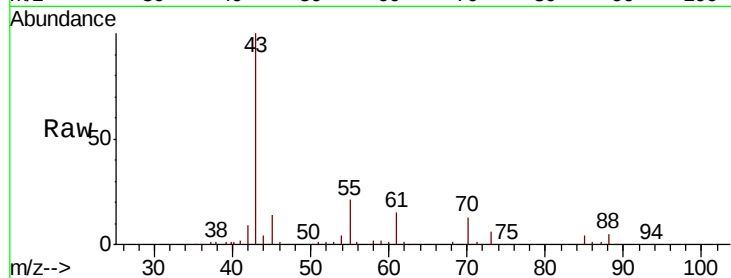
ClientSampleId :

Tot Ion: 43 Resp: 57948

Ion Ratio Lower Upper

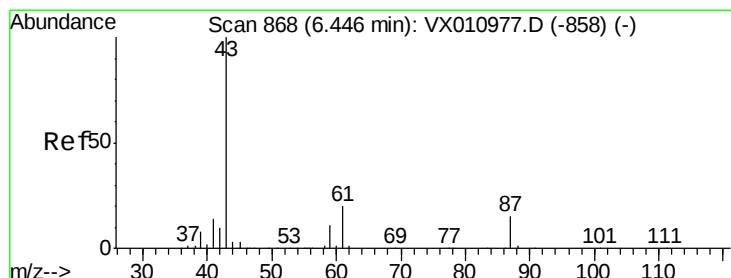
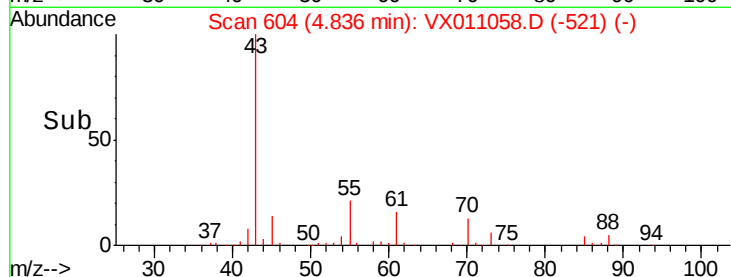
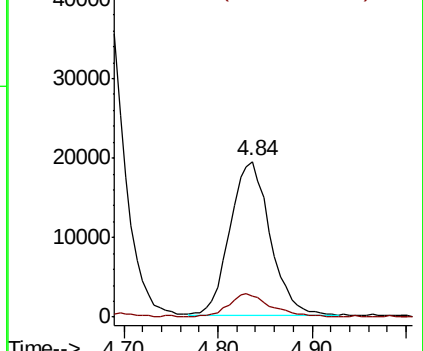
43 100

45 15.3 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 19.163 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX011058.D

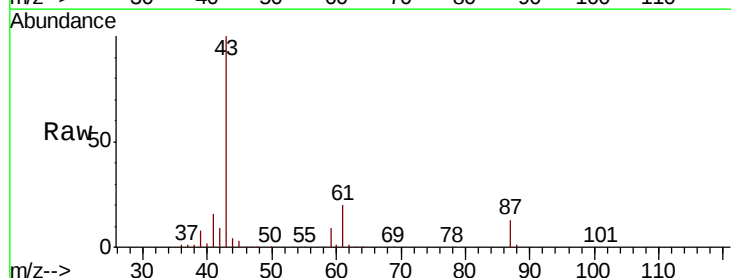
Acq: 24 Jul 2019 13:42

Tgt Ion: 43 Resp: 92338

Ion Ratio Lower Upper

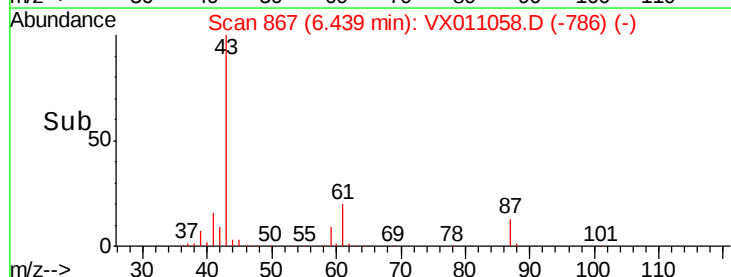
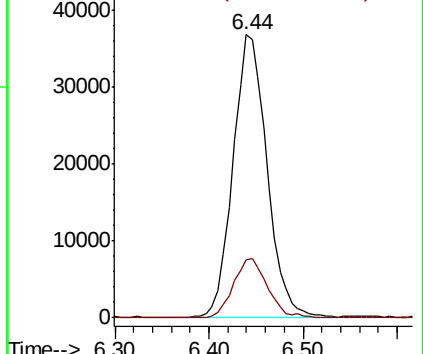
43 100

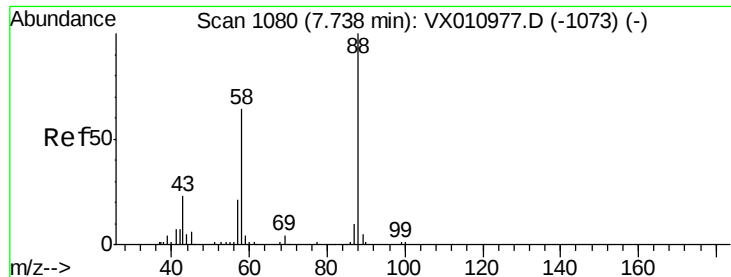
61 20.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 404.512 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

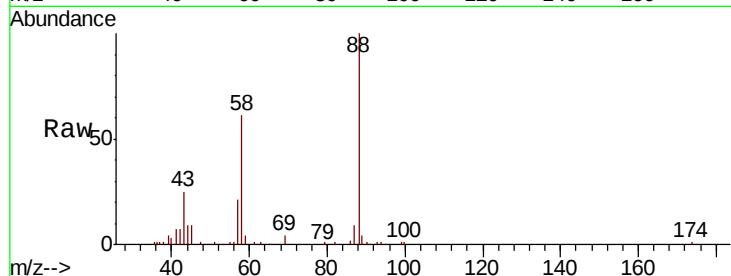
Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 25370

Ion	Ratio	Lower	Upper
88	100		
43	30.2	21.6	32.4
58	64.4	52.2	78.2

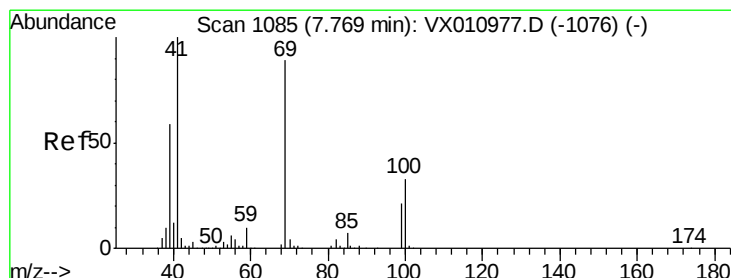
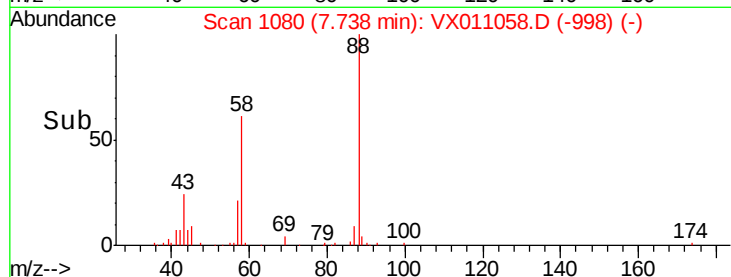
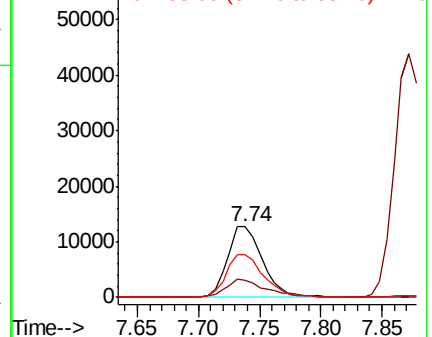


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 19.104 ug/l

RT: 7.77 min Scan# 1085

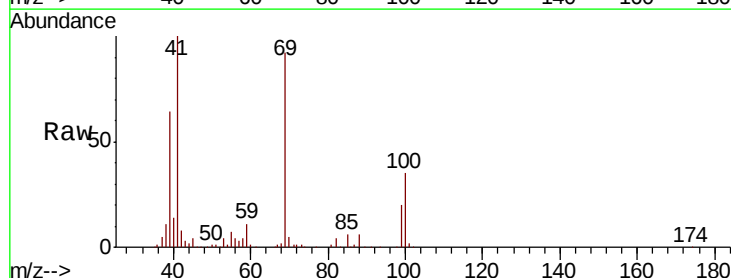
Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion: 41 Resp: 44682

Ion	Ratio	Lower	Upper
41	100		
69	91.9	44.7	134.1
39	63.7	29.4	88.2

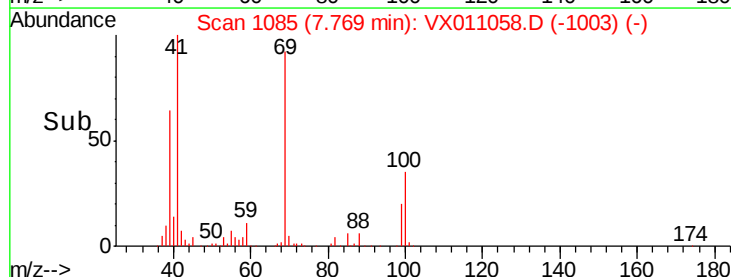
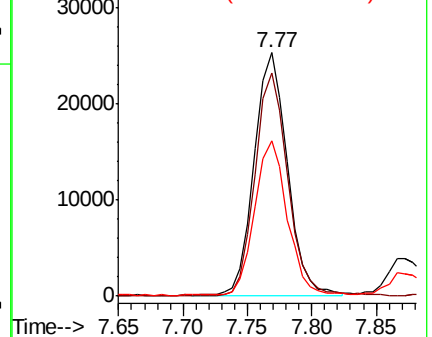


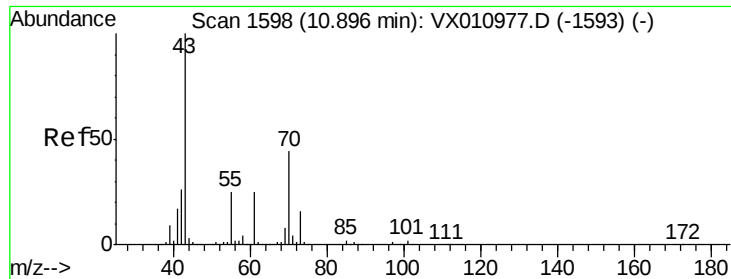
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 18.927 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

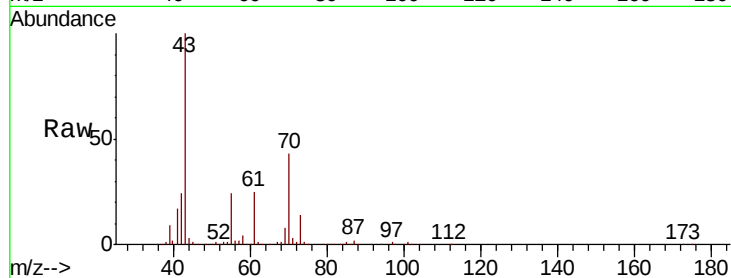
ClientSampleId :

Tot Ion: 43 Resp: 81797

Ion Ratio Lower Upper

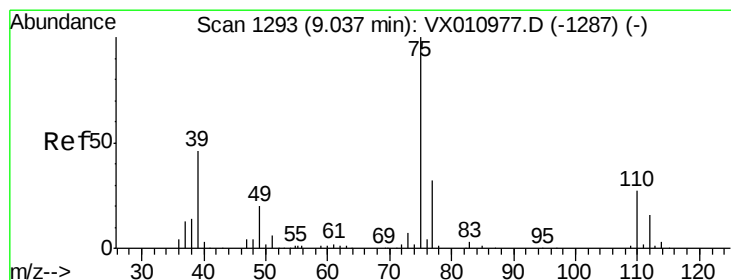
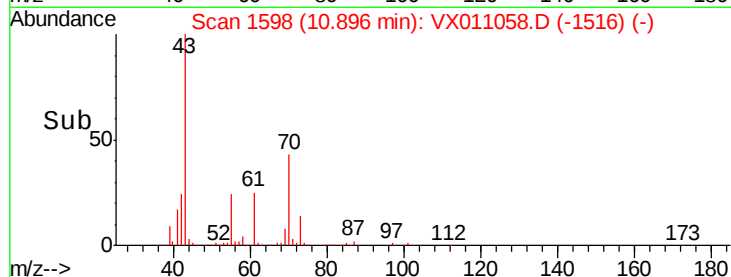
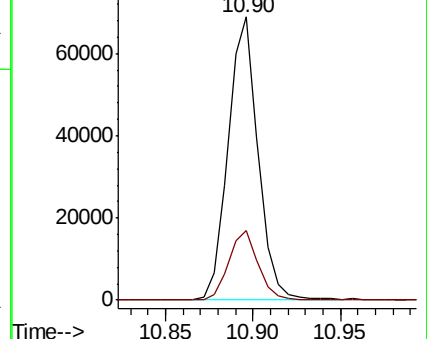
43 100

55 24.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 18.862 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011058.D

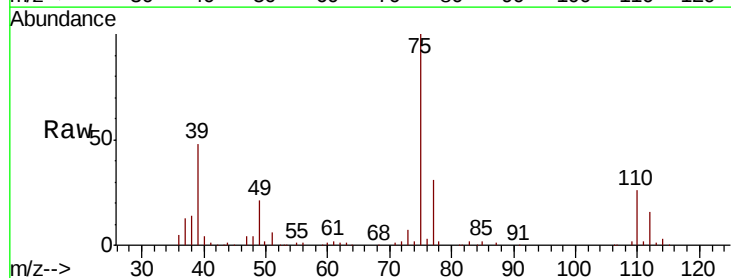
Acq: 24 Jul 2019 13:42

Tgt Ion: 75 Resp: 56969

Ion Ratio Lower Upper

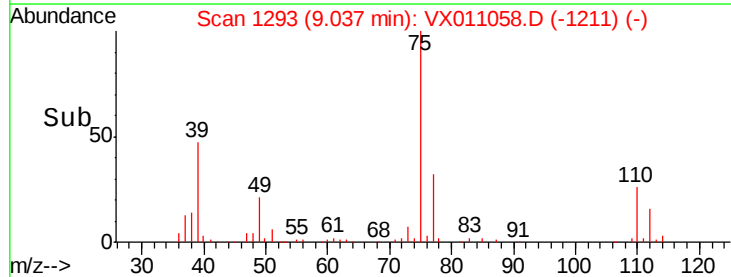
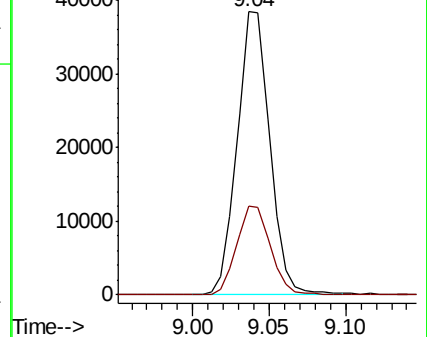
75 100

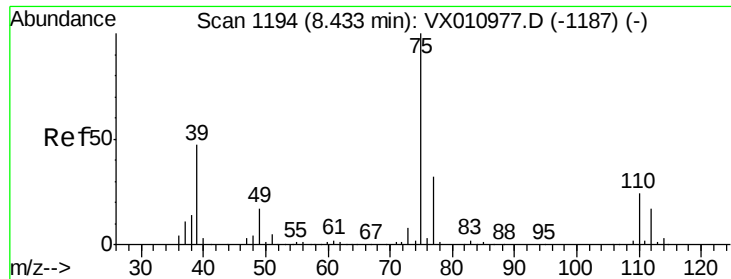
77 31.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



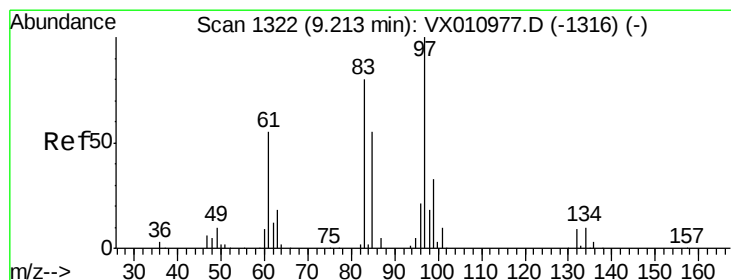
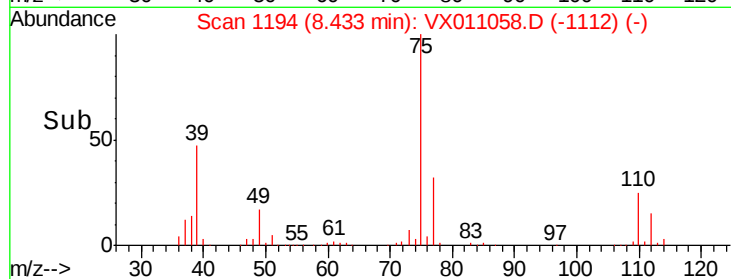
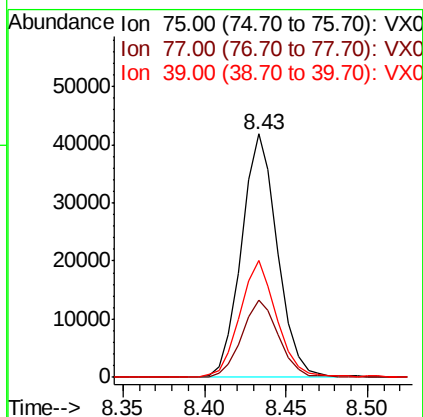
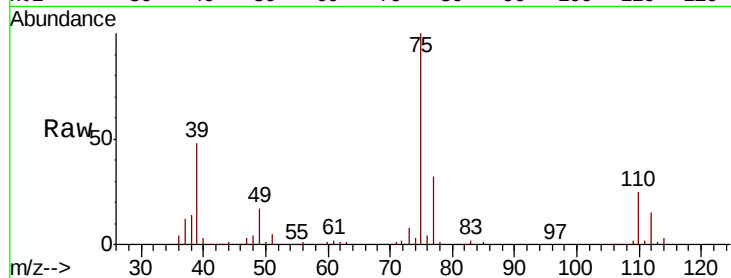


#49

cis-1,3-Dichloropropene
Concen: 19.513 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampled :

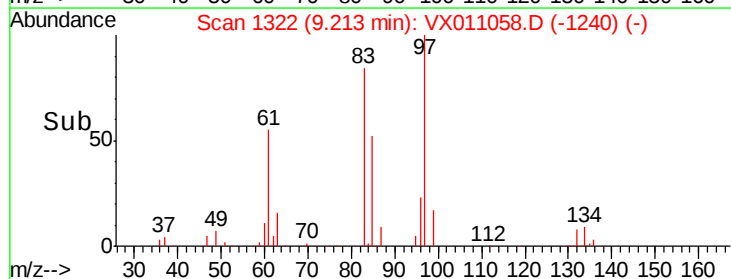
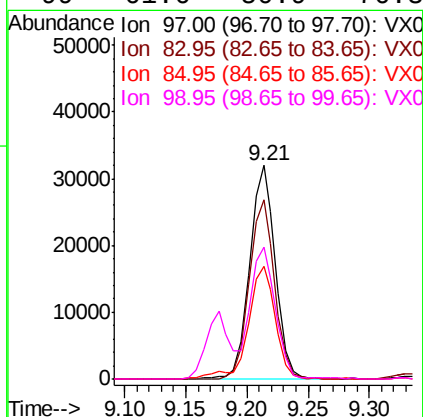
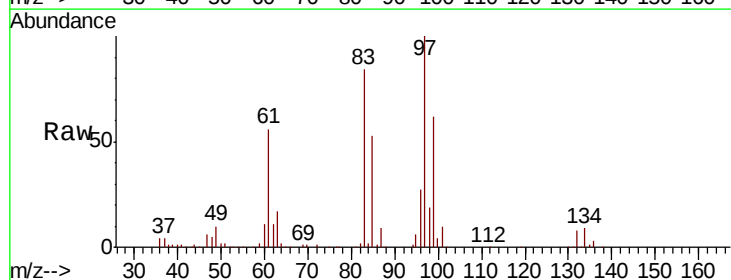
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	47.6	37.8	56.6

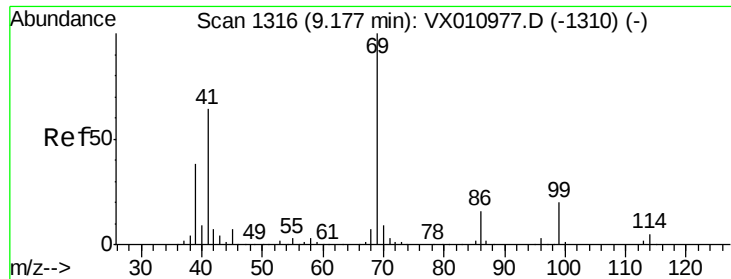


#50

1,1,2-Trichloroethane
Concen: 20.227 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	63.9	95.9
85	52.6	43.4	65.2
99	61.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.878 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

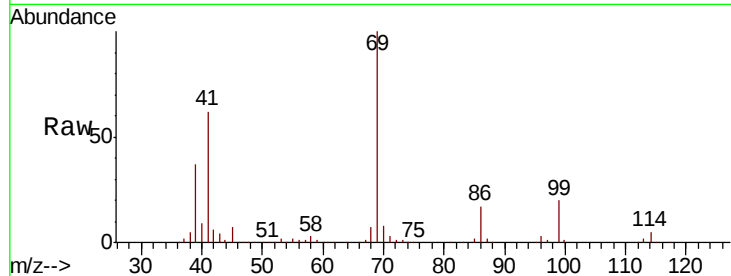
Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 69 Resp: 67279

Ion	Ratio	Lower	Upper
69	100		
41	61.4	32.1	96.3
39	36.9	19.1	57.3

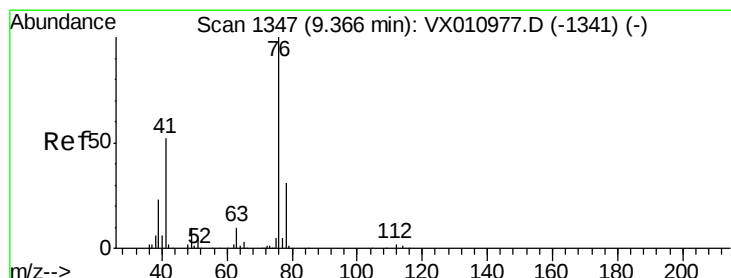
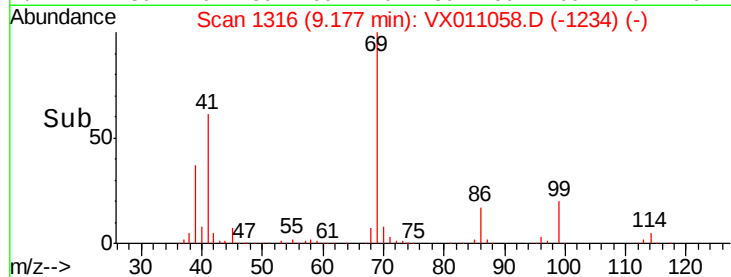
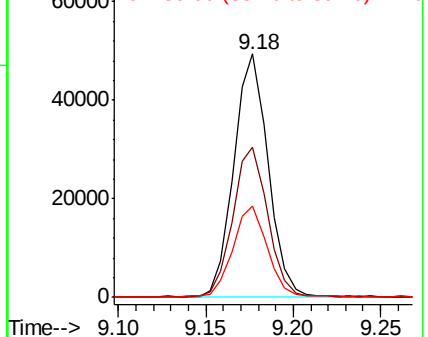


Abundance

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: 19.721 ug/l

RT: 9.37 min Scan# 1348

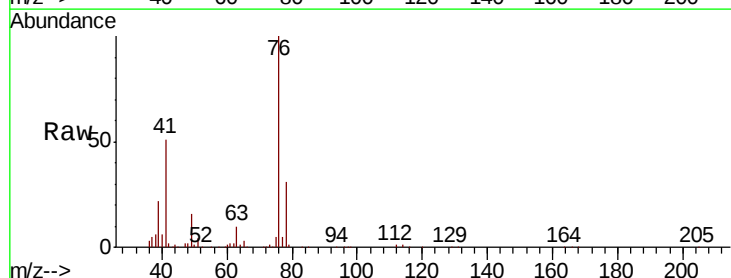
Delta R.T. 0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion: 76 Resp: 73025

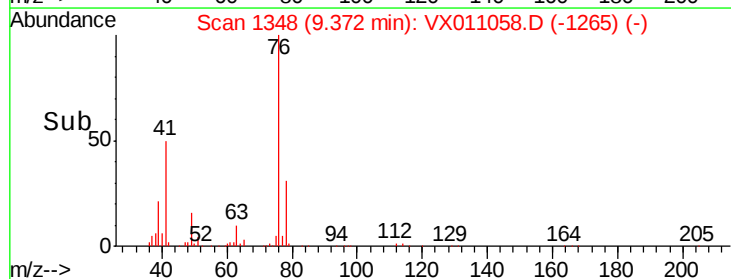
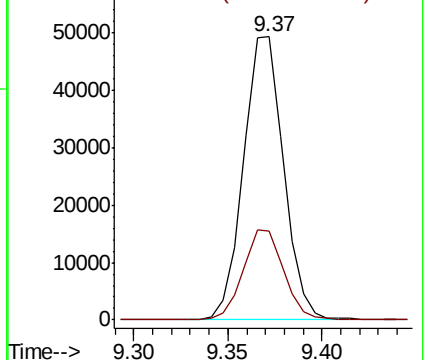
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.8

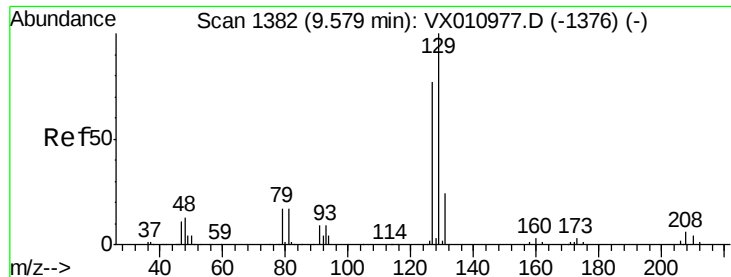


Abundance

Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 18.523 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

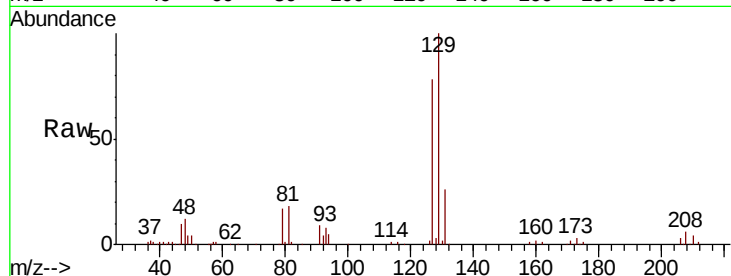
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 46096

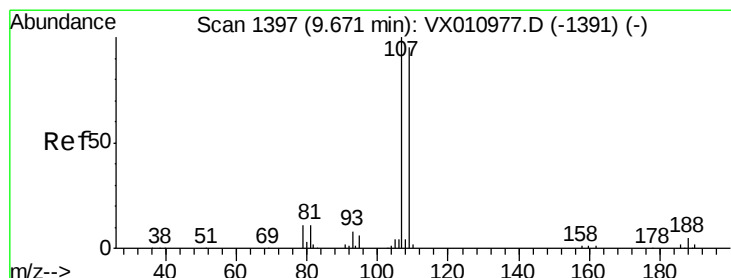
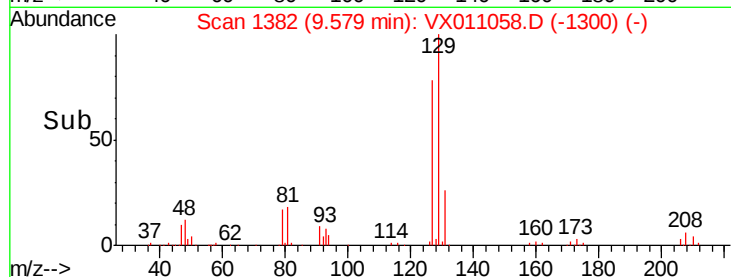
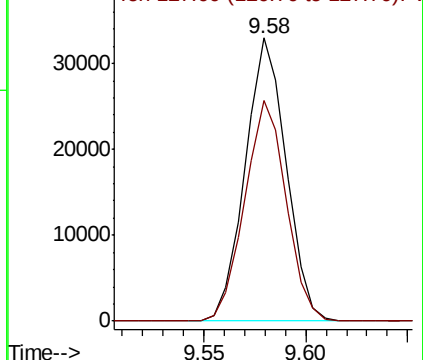
Ion Ratio Lower Upper

129 100

127 79.0 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: 19.854 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011058.D

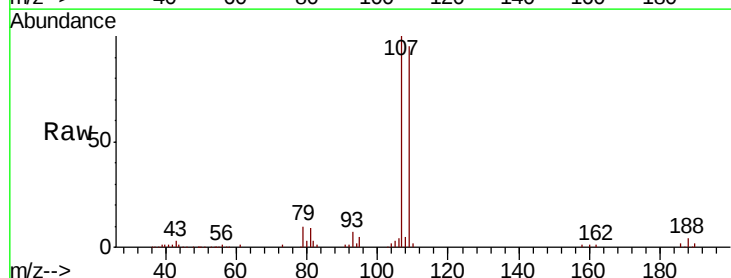
Acq: 24 Jul 2019 13:42

Tgt Ion:107 Resp: 49718

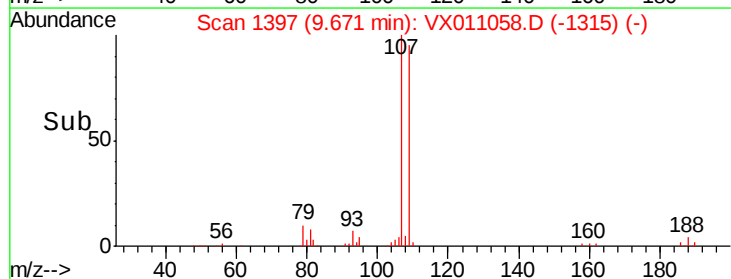
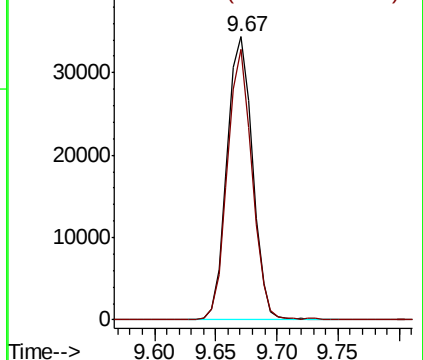
Ion Ratio Lower Upper

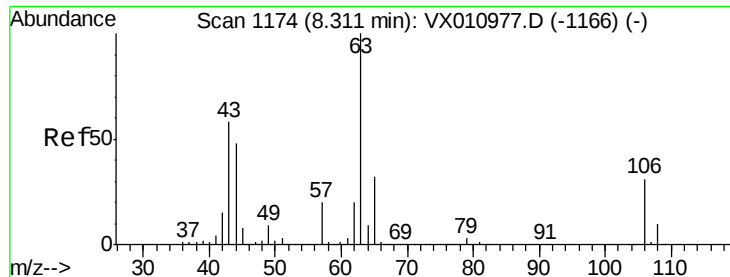
107 100

109 92.2 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

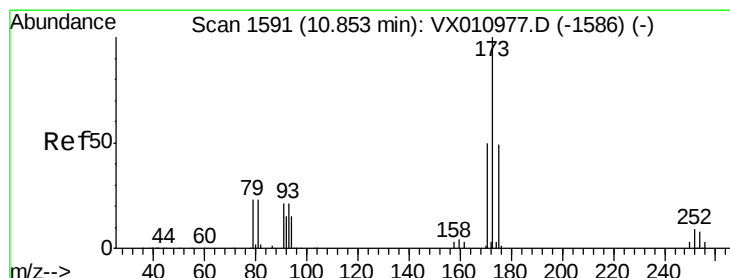
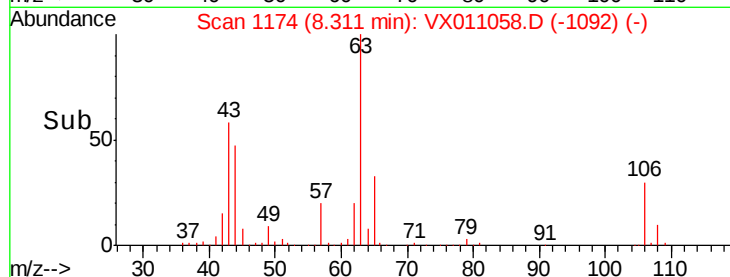
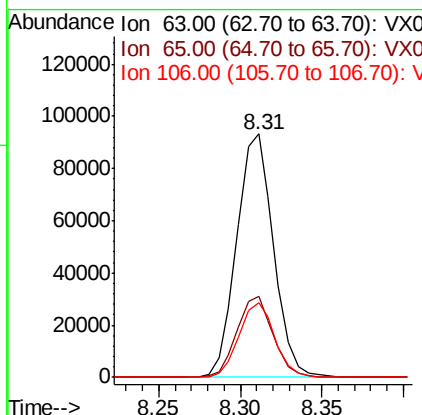
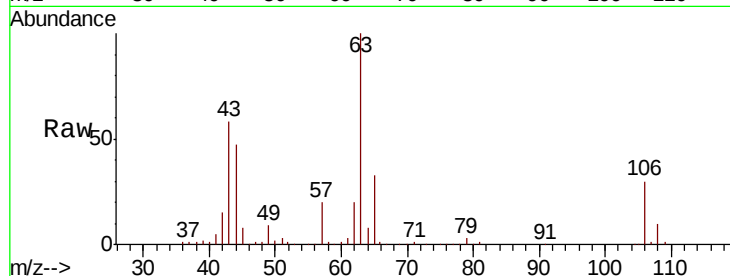




#55
2-Chloroethyl vinyl ether
Concen: 97.076 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

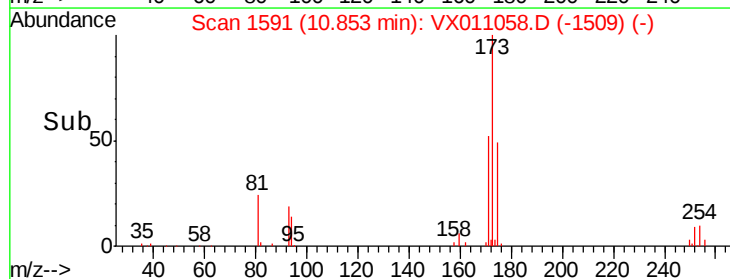
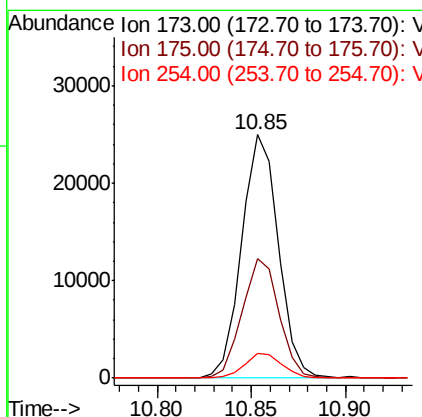
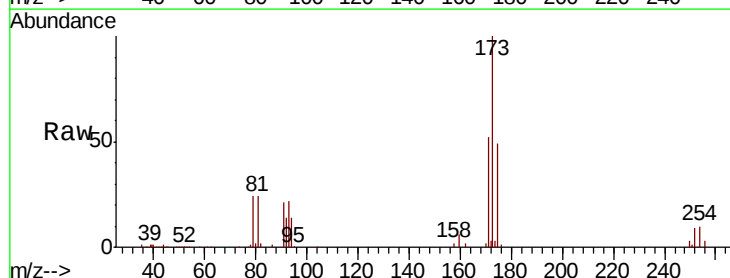
Instrument :
MSVOA_X
ClientSampleId :

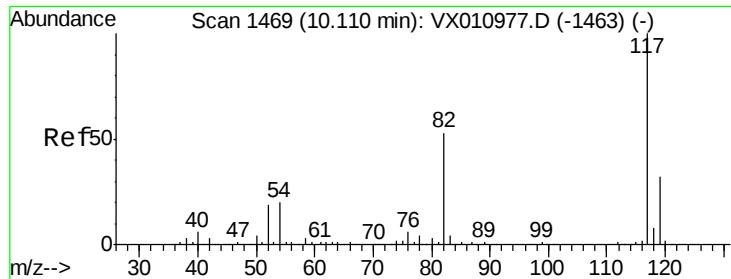
Tot Ion: 63 Resp: 146505
Ion Ratio Lower Upper
63 100
65 32.5 25.7 38.5
106 30.0 24.8 37.2



#56
Bromoform
Concen: 18.199 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 173 Resp: 33731
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.6
254 10.2 7.9 11.9

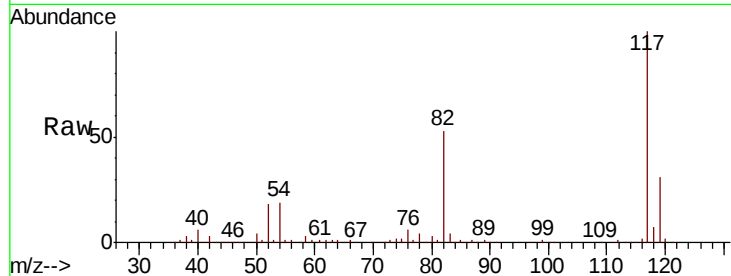




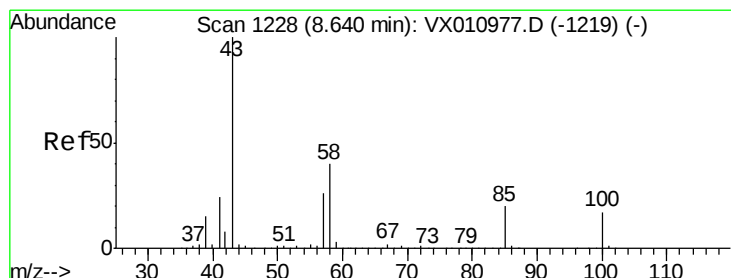
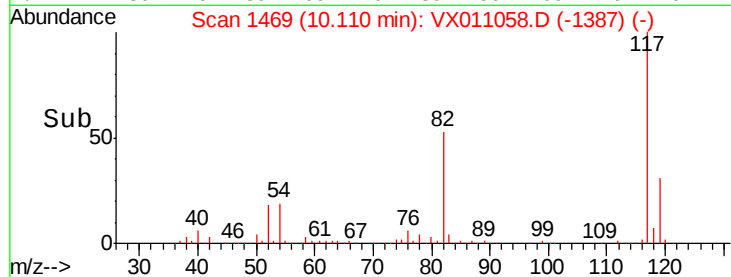
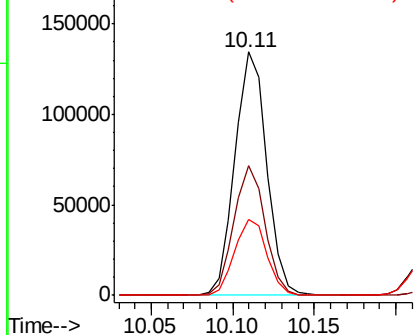
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 182572
Ion Ratio Lower Upper
117 100
82 52.3 41.6 62.4
119 31.8 26.0 39.0

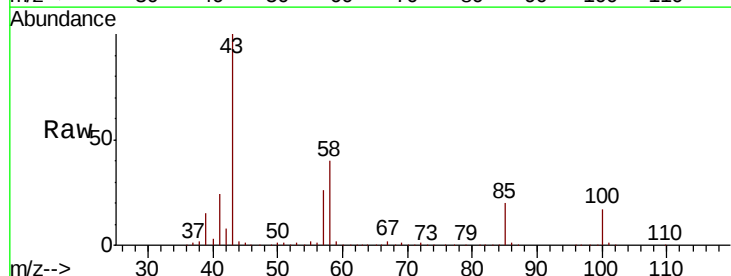


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

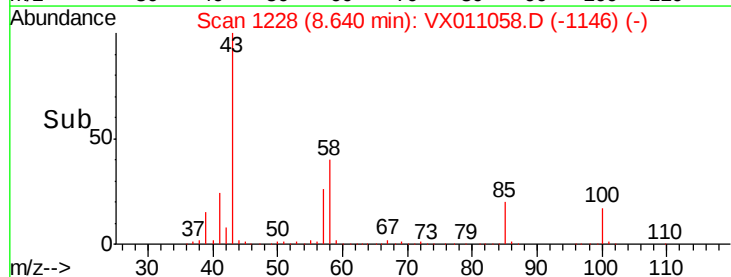
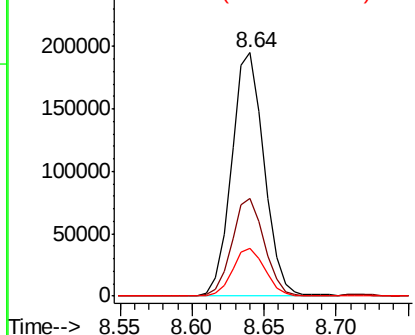


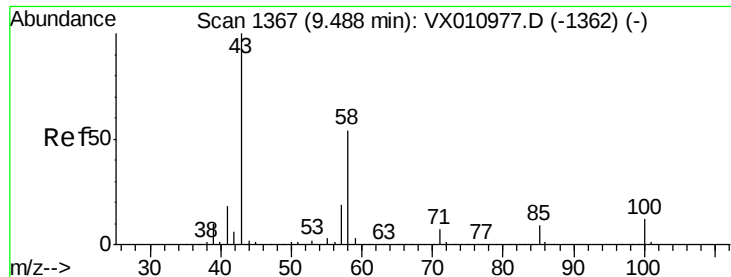
#58
4-Methyl-2-Pentanone
Concen: 99.915 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 43 Resp: 308071
Ion Ratio Lower Upper
43 100
58 39.9 32.6 48.8
85 19.4 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

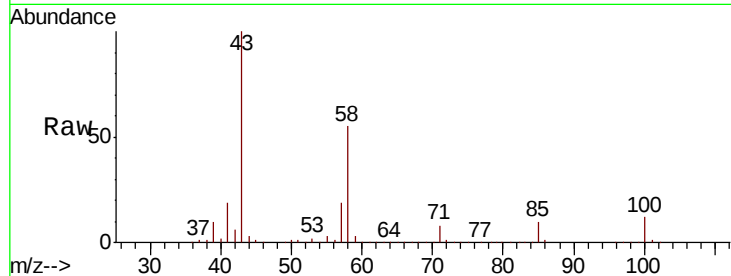




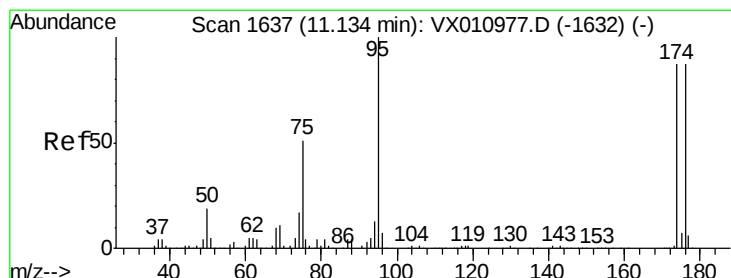
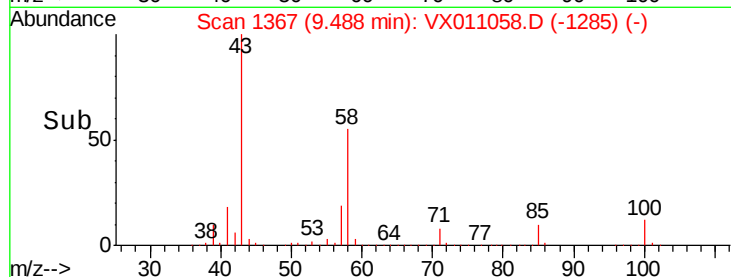
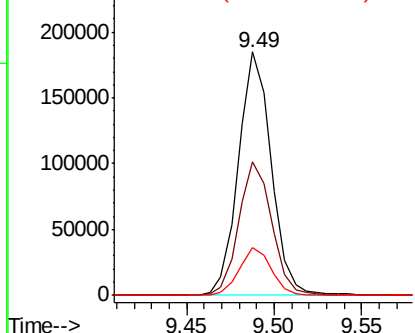
#59
2-Hexanone
Concen: 102.247 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 241240
Ion Ratio Lower Upper
43 100
58 55.5 44.7 67.1
57 19.2 15.4 23.2

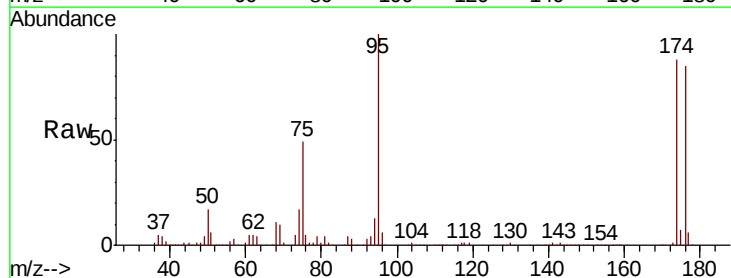


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

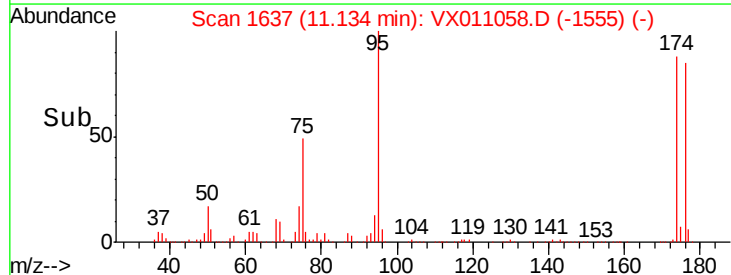
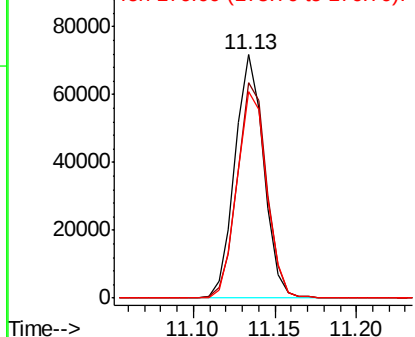


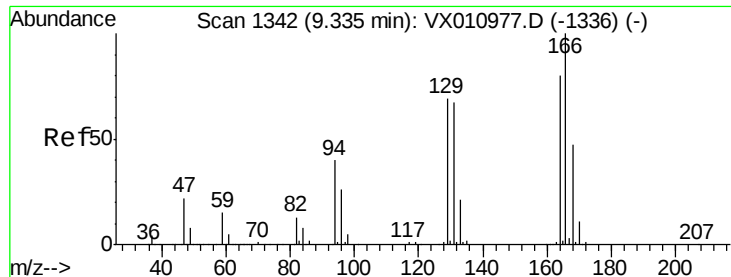
#60
4-Bromofluorobenzene
Concen: 29.484 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 95 Resp: 88597
Ion Ratio Lower Upper
95 100
174 90.3 73.3 109.9
176 88.0 71.2 106.8



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 19.915 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 48006

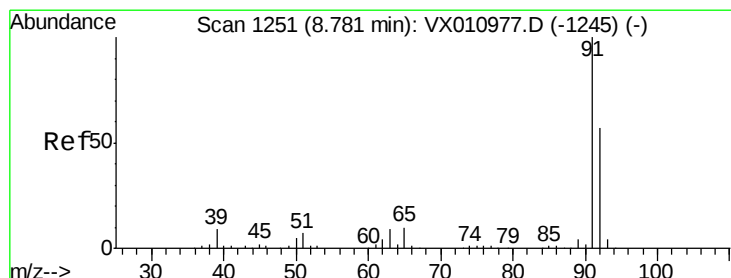
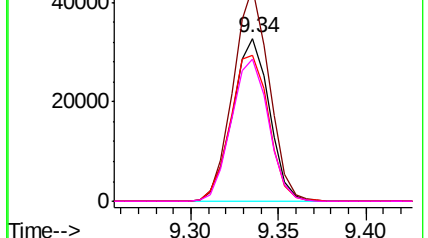
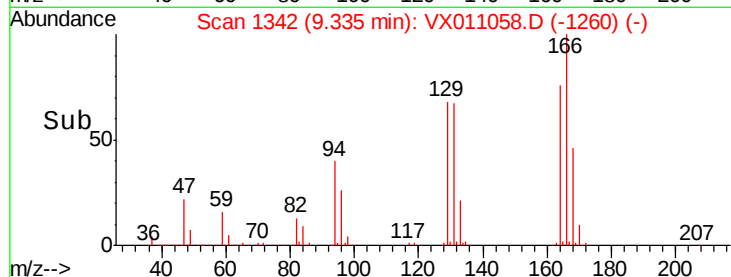
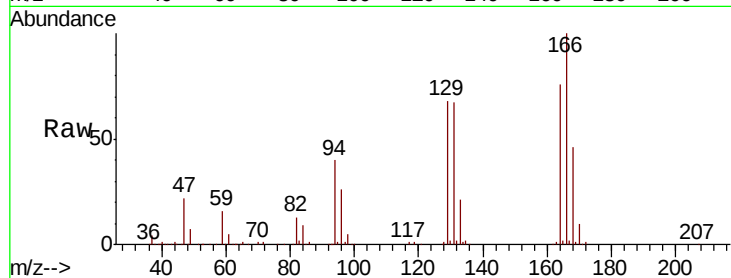
Ion Ratio Lower Upper

164 100

166 131.4 100.1 150.1

129 89.5 69.6 104.4

131 87.3 67.0 100.6



#62

Toluene

Concen: 19.544 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011058.D

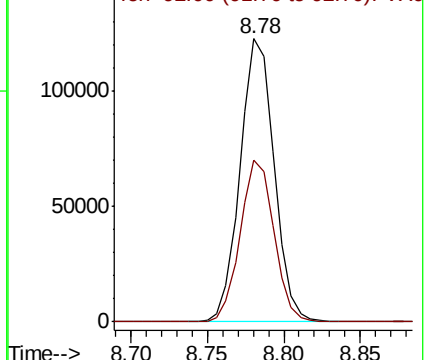
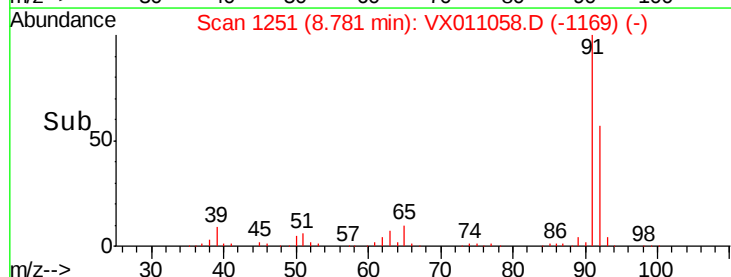
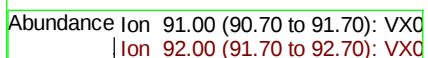
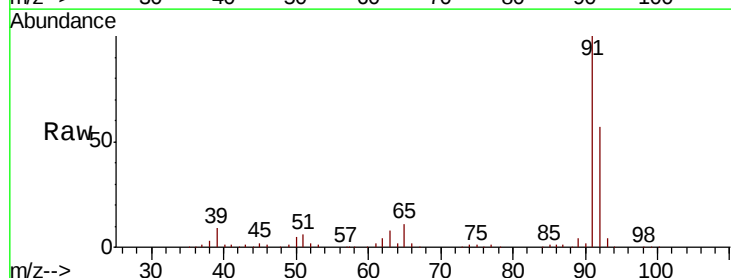
Acq: 24 Jul 2019 13:42

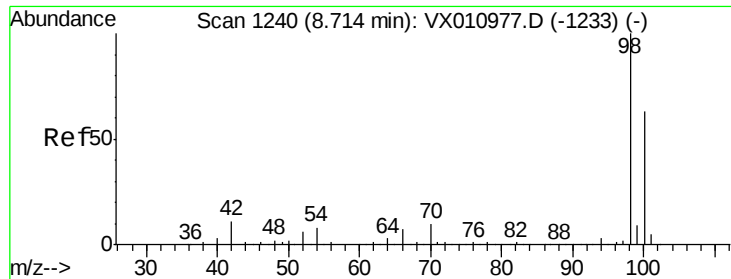
Tgt Ion: 91 Resp: 189555

Ion Ratio Lower Upper

91 100

92 56.8 45.4 68.2

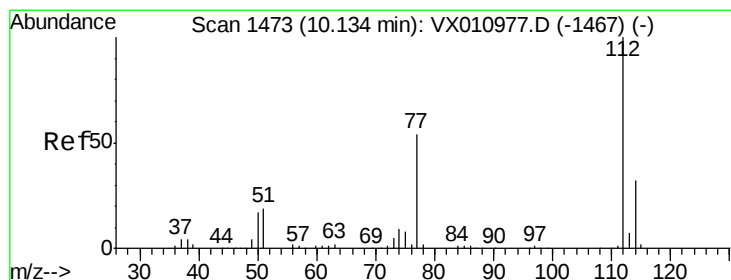
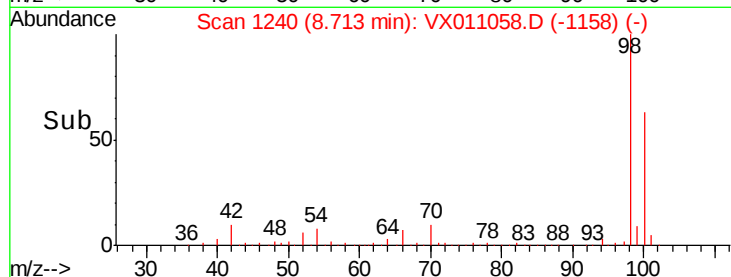
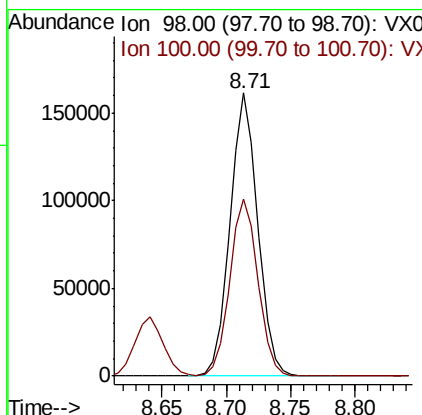
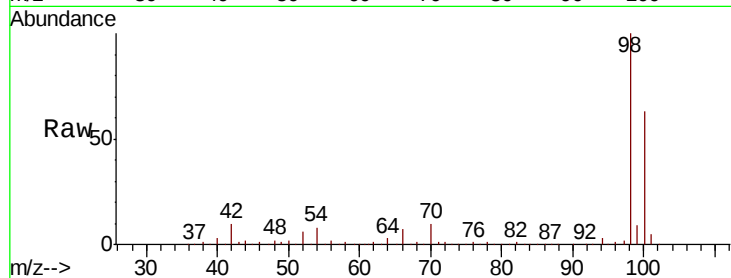




#63
Toluene-d8
Concen: 30.238 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

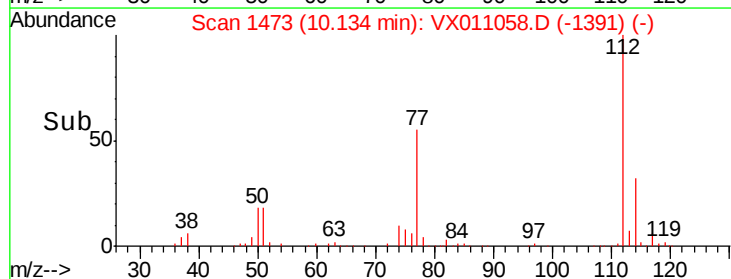
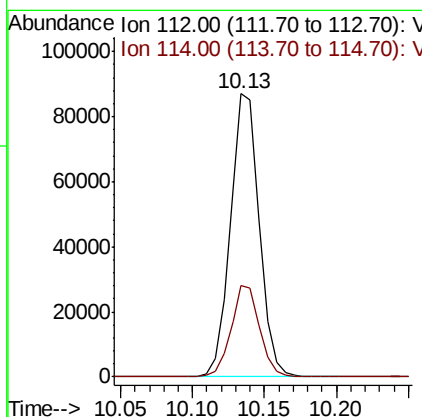
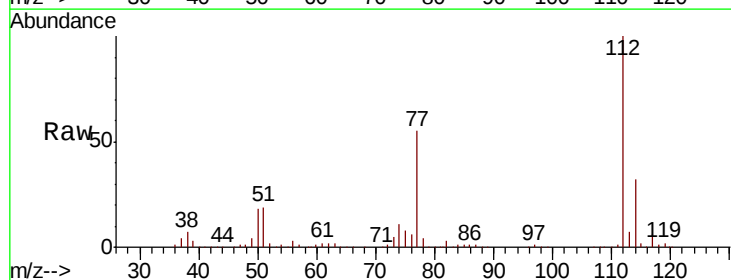
Instrument :
MSVOA_X
ClientSampleId :

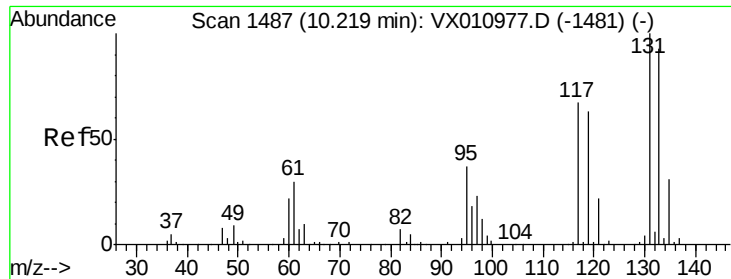
Tot Ion: 98 Resp: 242651
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#64
Chlorobenzene
Concen: 19.662 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 112 Resp: 122178
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

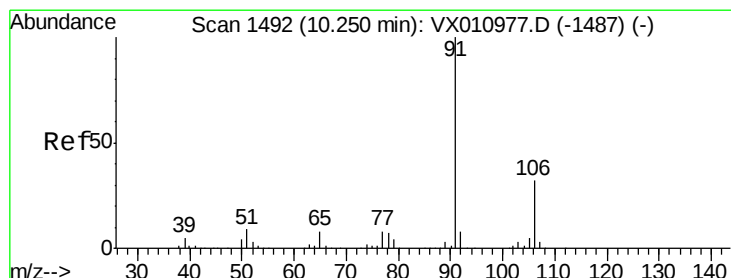
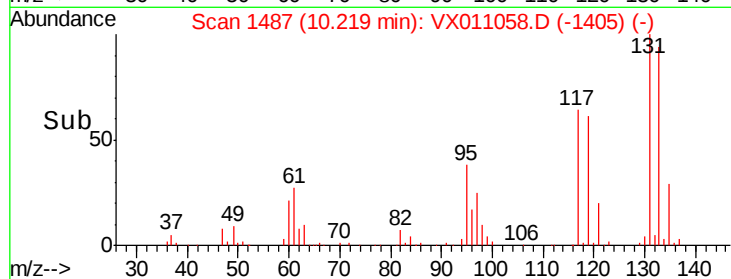
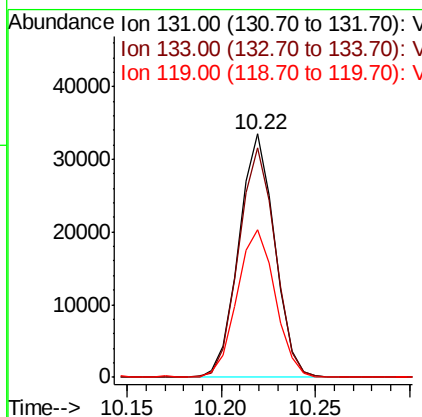
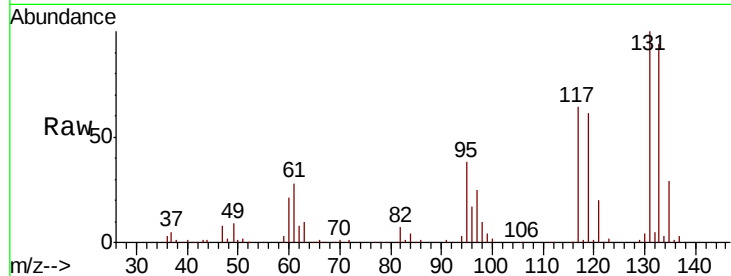




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.631 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

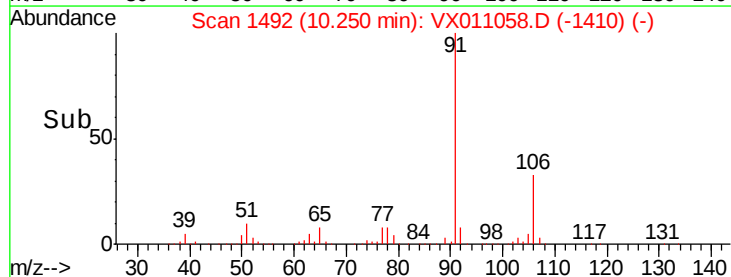
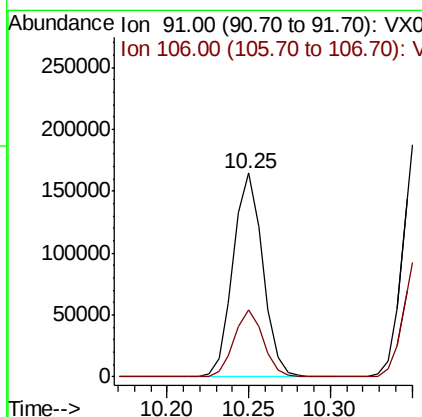
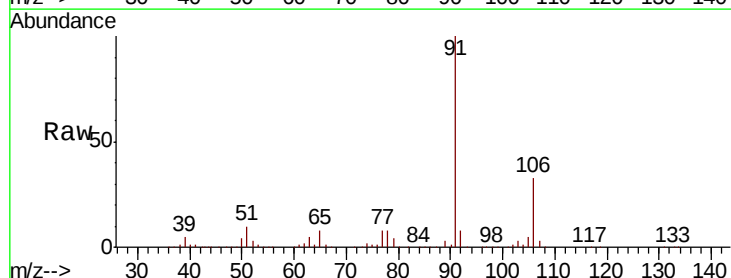
Instrument :
 MSVOA_X
 ClientSampleId :

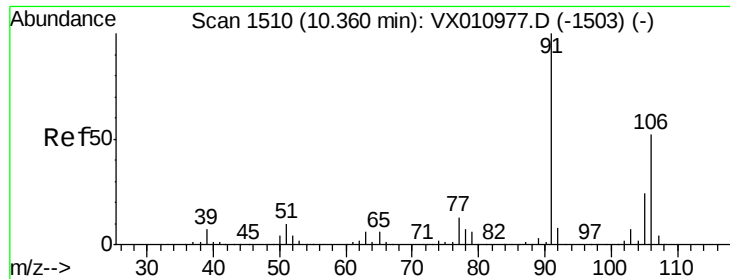
Tot Ion:131 Resp: 44336
 Ion Ratio Lower Upper
 131 100
 133 95.9 0.0 190.2
 119 64.3 0.0 127.0



#66
 Ethyl Benzene
 Concen: 19.157 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 91 Resp: 209168
 Ion Ratio Lower Upper
 91 100
 106 33.1 25.8 38.8

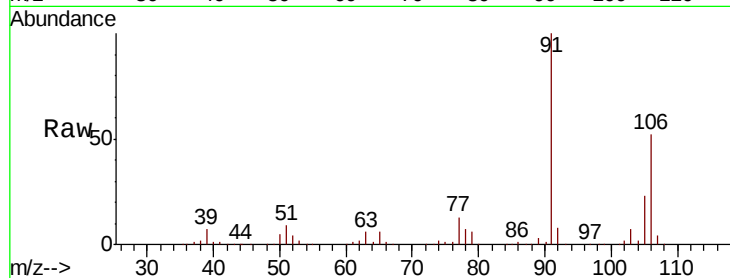




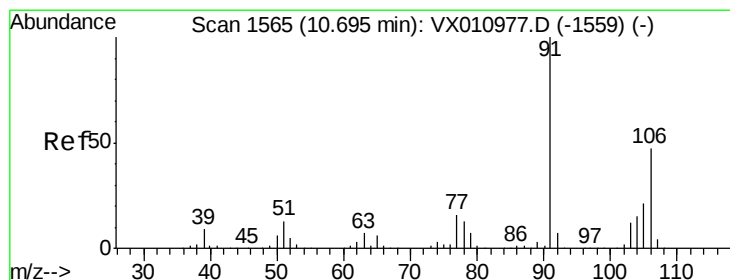
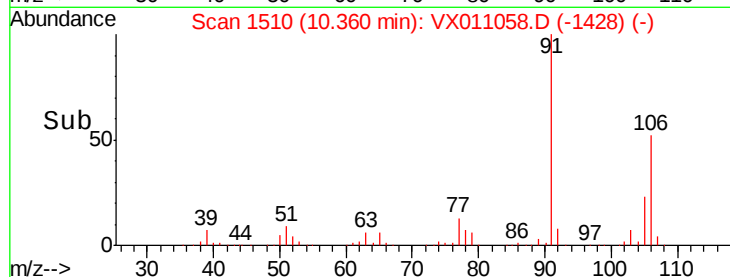
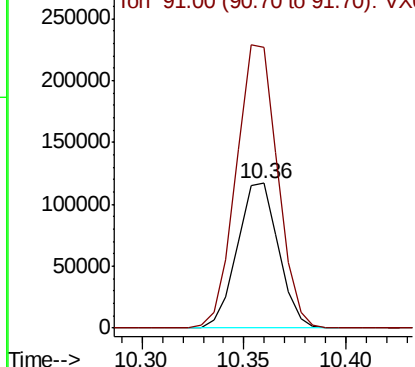
#67
m/p-Xvlenes
Concen: 39.232 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 163889
Ion Ratio Lower Upper
106 100
91 197.3 156.6 235.0

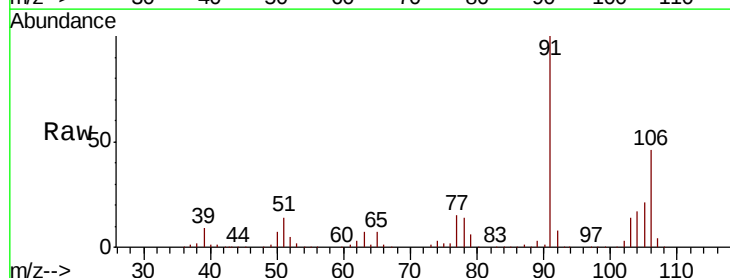


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

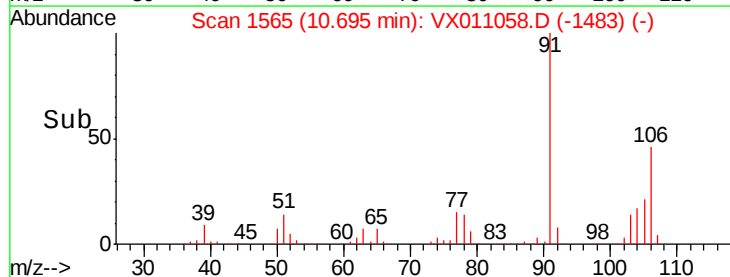
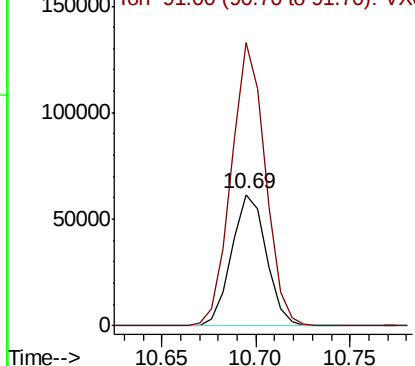


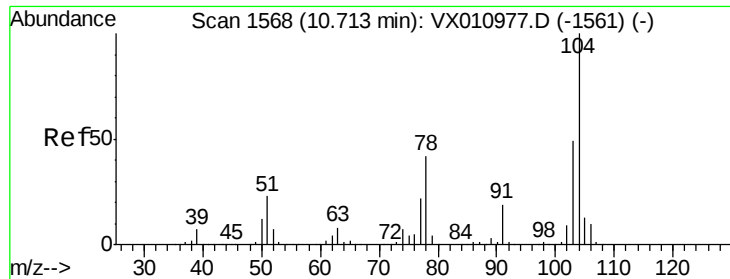
#68
o-Xylene
Concen: 19.253 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion:106 Resp: 78806
Ion Ratio Lower Upper
106 100
91 210.9 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 19.508 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

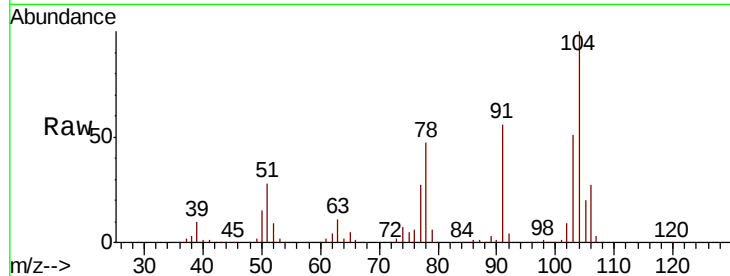
Tot Ion:104 Resp: 134216

Ion Ratio Lower Upper

104 100

78 48.4 38.5 57.7

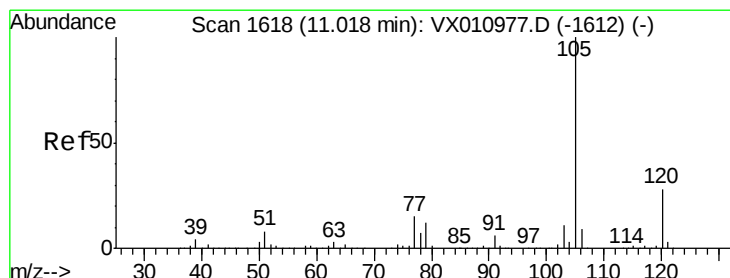
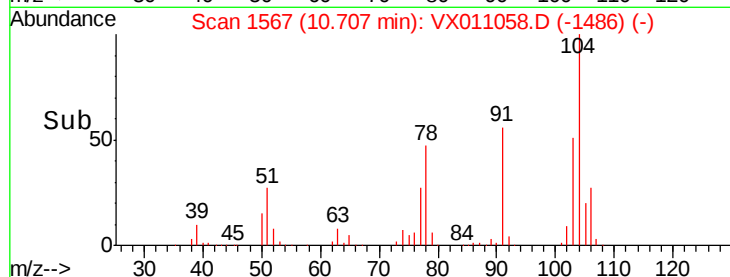
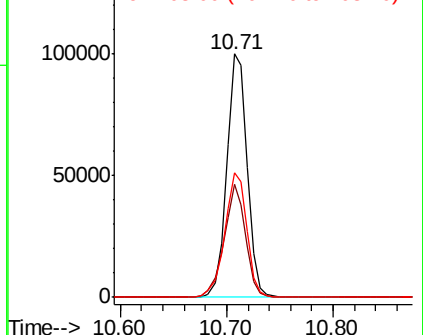
103 55.3 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.765 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011058.D

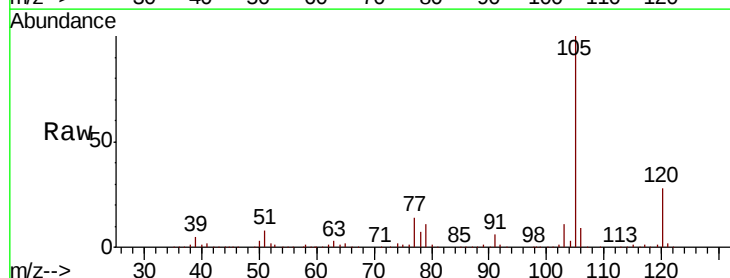
Acq: 24 Jul 2019 13:42

Tgt Ion:105 Resp: 215431

Ion Ratio Lower Upper

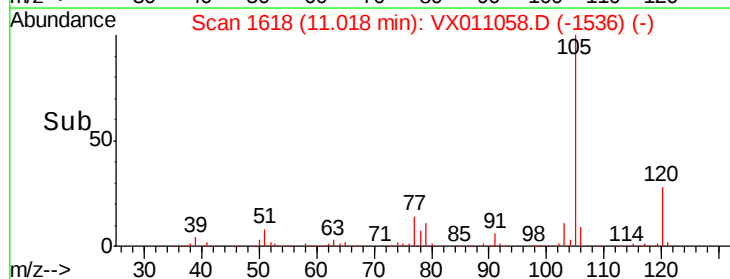
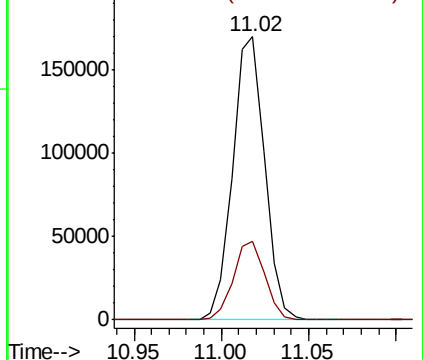
105 100

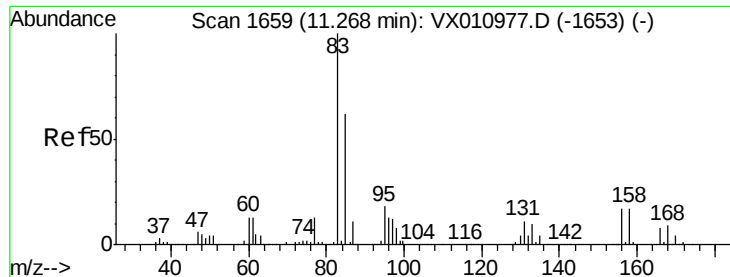
120 27.5 19.4 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

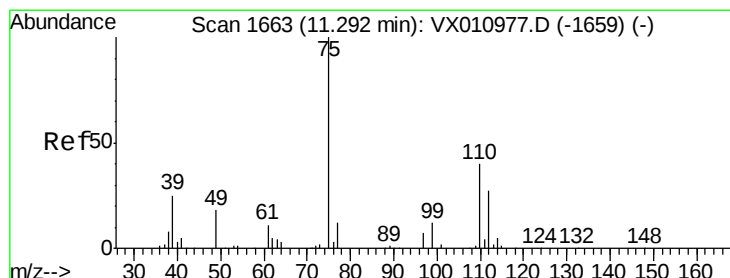
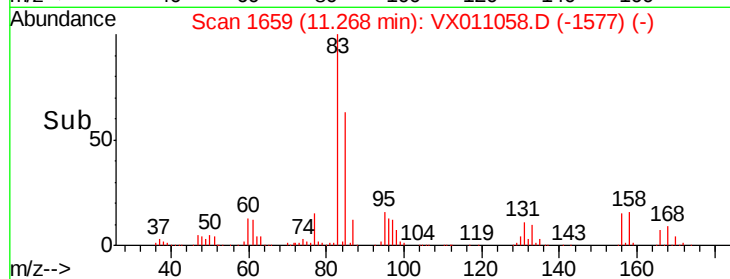
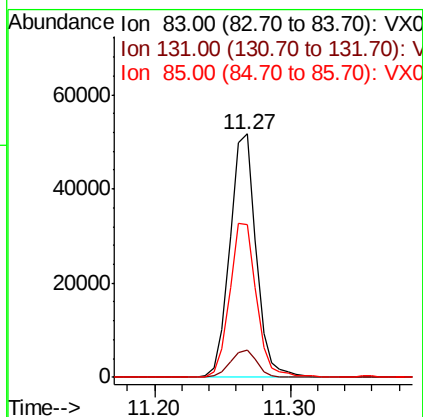
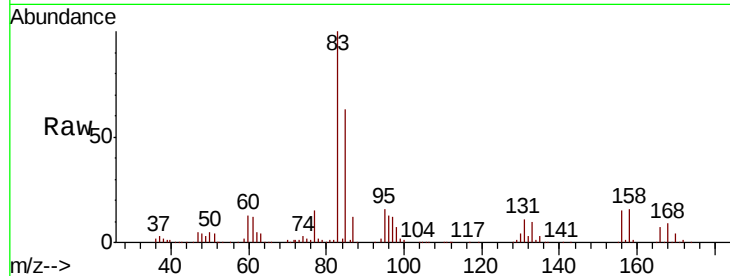




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.743 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

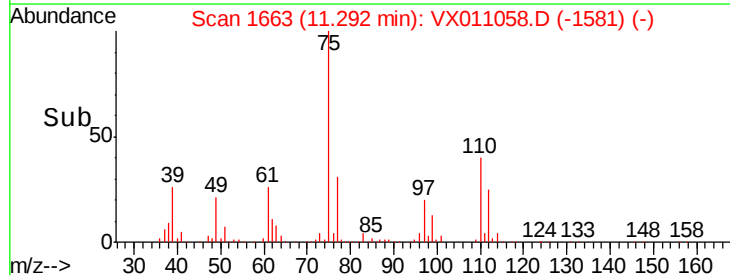
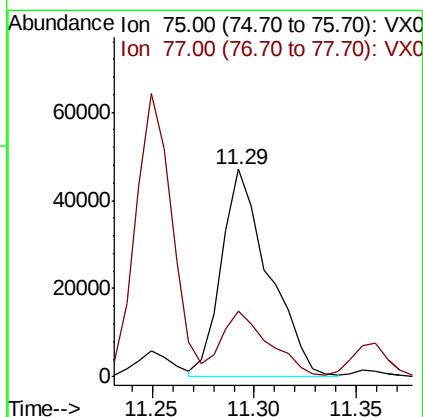
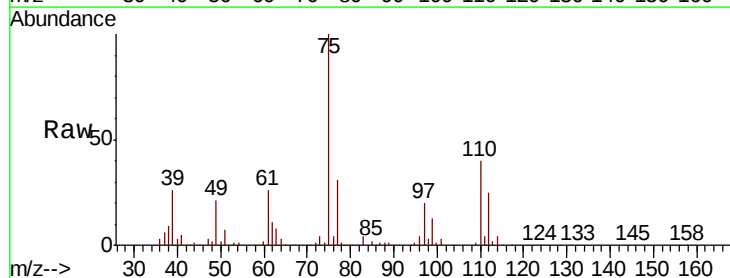
Instrument :
 MSVOA_X
 ClientSampleId :

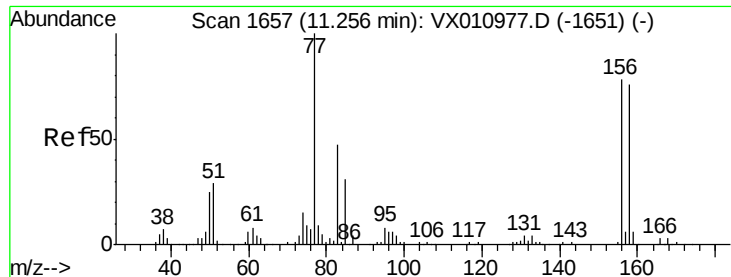
Tot Ion	83	Resp	69388
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	64.6	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 25.799 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	75	Resp	75682
Ion Ratio	100		
Lower	0.0		
Upper	84.0		
77	31.7		





#73

Bromobenzene

Concen: 19.272 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

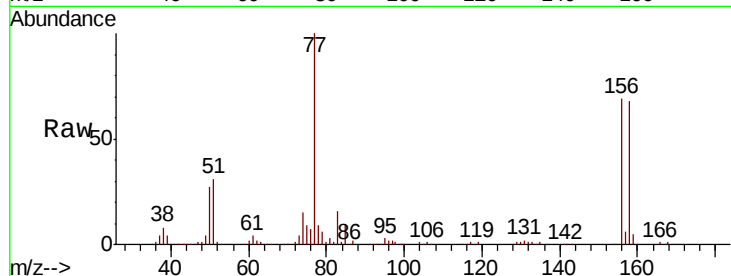
Tot Ion:156 Resp: 56675

Ion Ratio Lower Upper

156 100

77 139.9 0.0 275.8

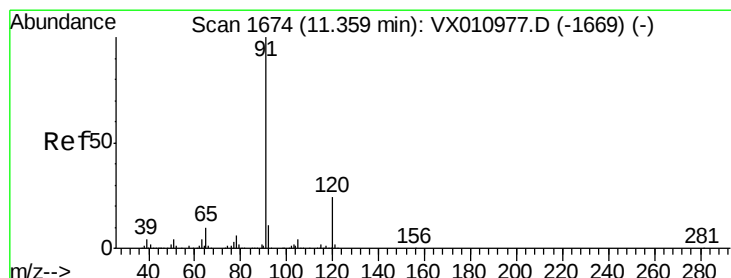
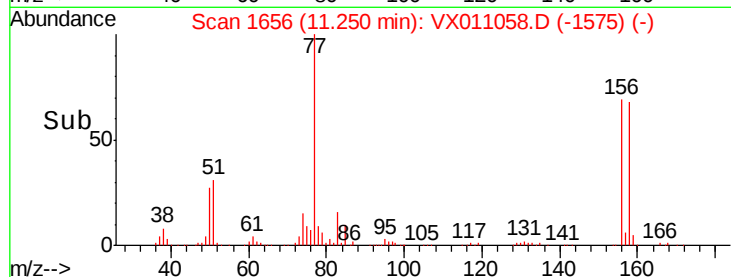
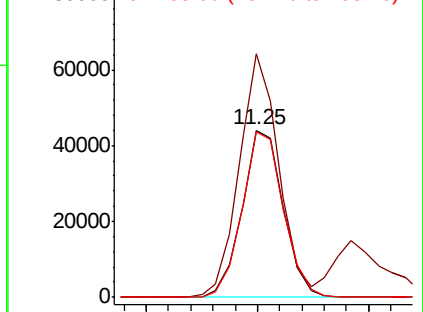
158 99.7 0.0 195.2



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: 19.646 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011058.D

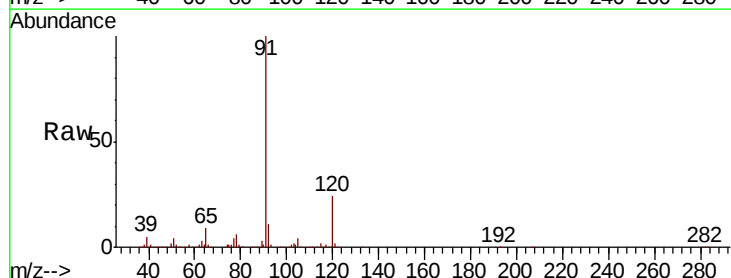
Acq: 24 Jul 2019 13:42

Tgt Ion: 91 Resp: 241000

Ion Ratio Lower Upper

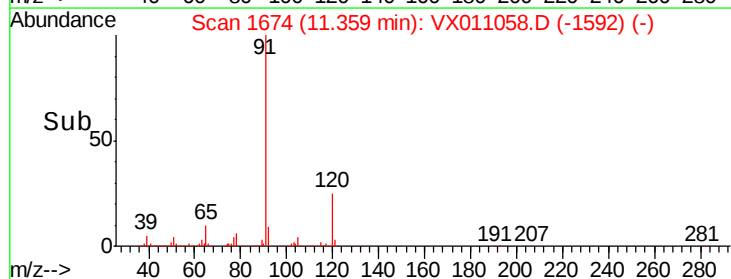
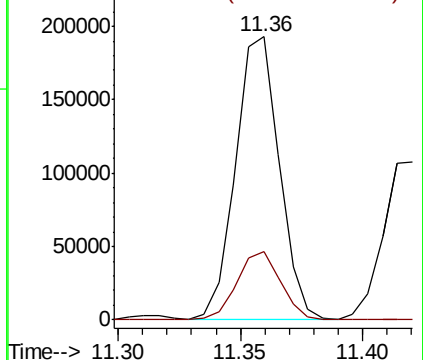
91 100

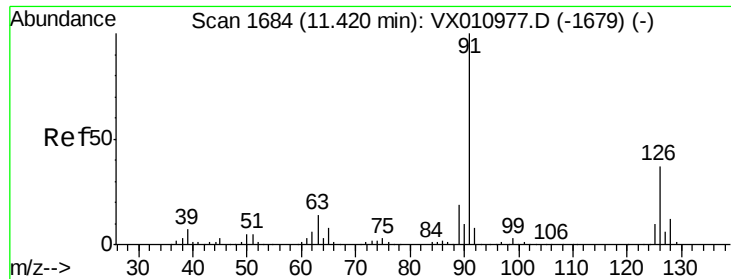
120 24.0 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

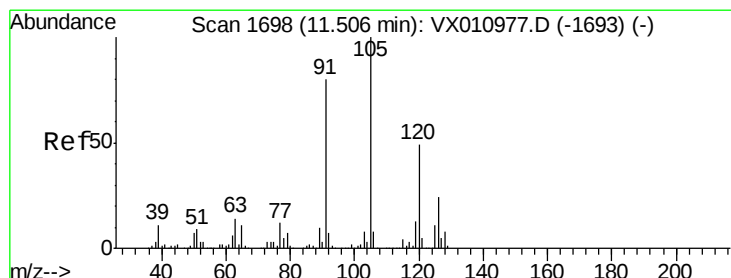
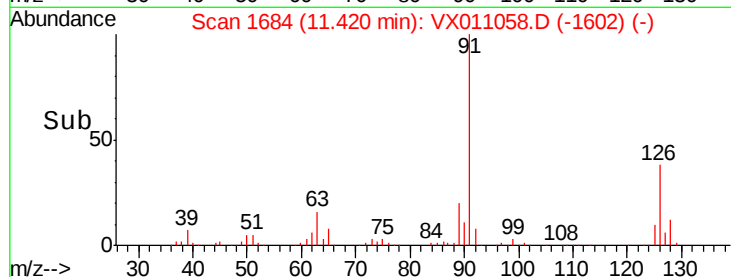
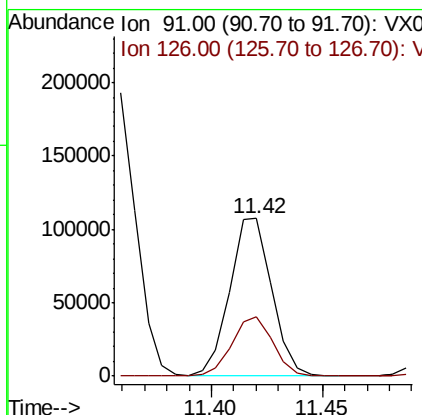
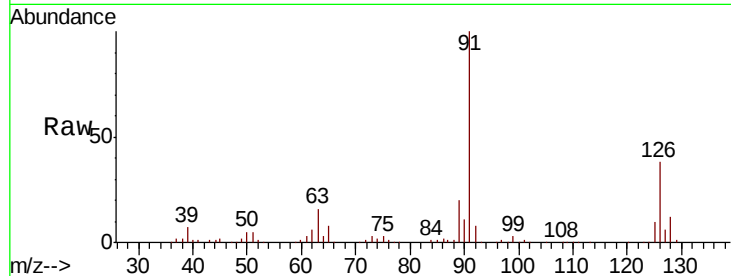




#75
 2-Chlorotoluene
 Concen: 19.442 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

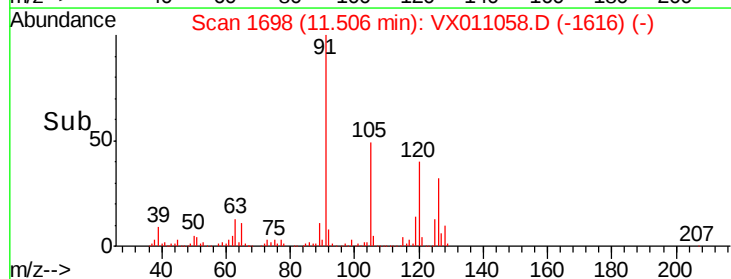
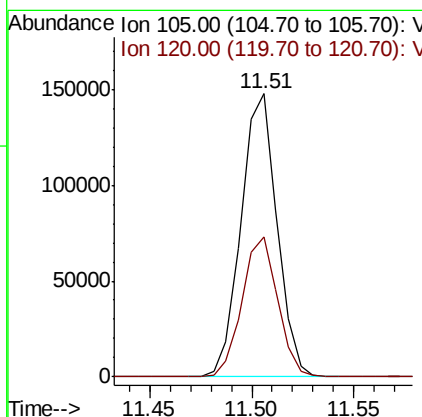
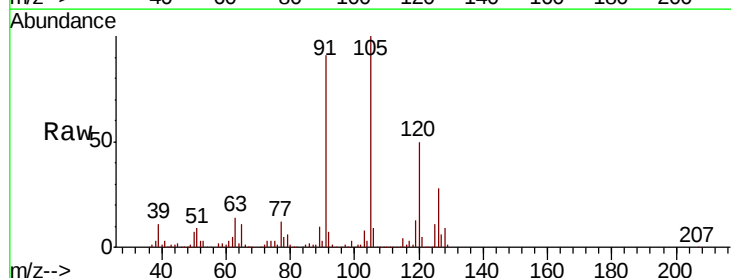
Instrument :
 MSVOA_X
 ClientSampleId :

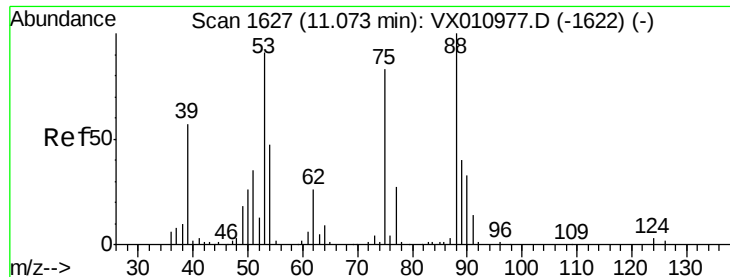
Tot Ion: 91 Resp: 142044
 Ion Ratio Lower Upper
 91 100
 126 36.3 0.0 72.4



#76
 1,3,5-Trimethylbenzene
 Concen: 19.614 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion:105 Resp: 180953
 Ion Ratio Lower Upper
 105 100
 120 49.2 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.248 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

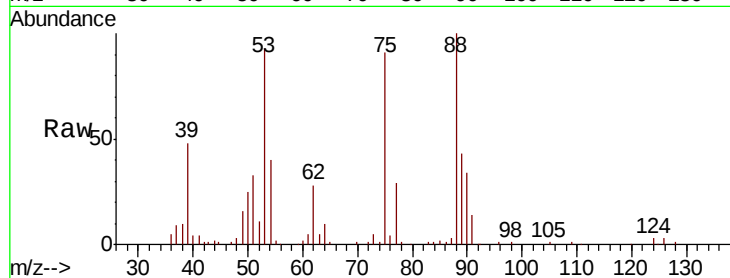
Tot Ion: 75 Resp: 19598

Ion Ratio Lower Upper

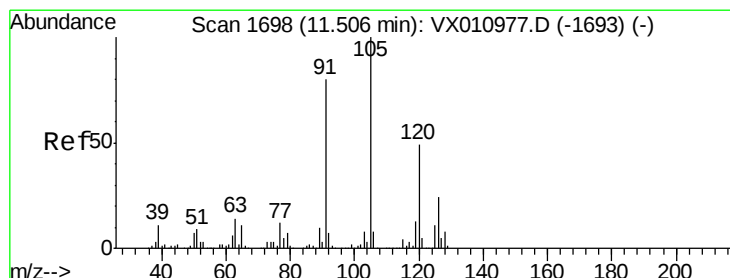
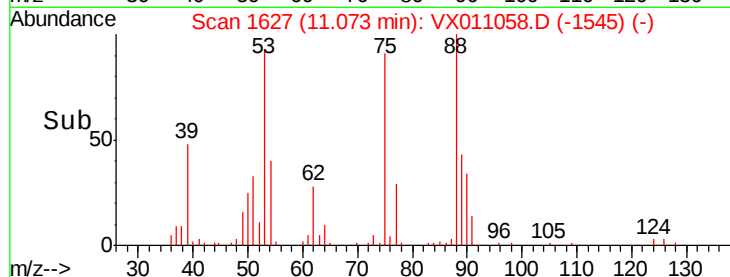
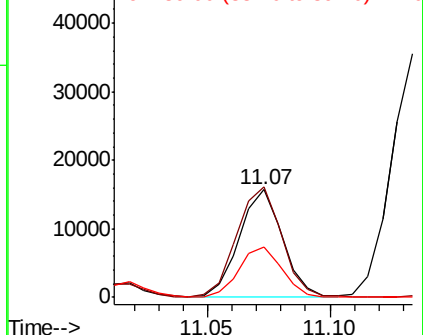
75 100

53 103.2 54.8 164.3

89 47.2 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: 19.693 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011058.D

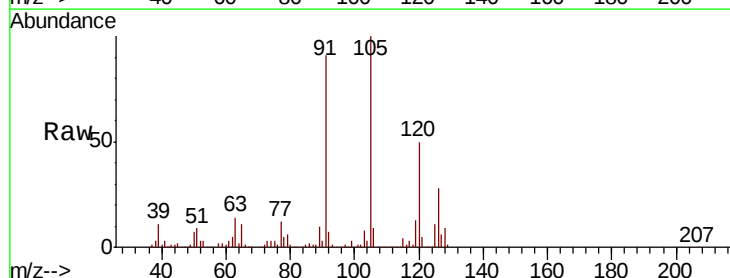
Acq: 24 Jul 2019 13:42

Tgt Ion: 91 Resp: 165242

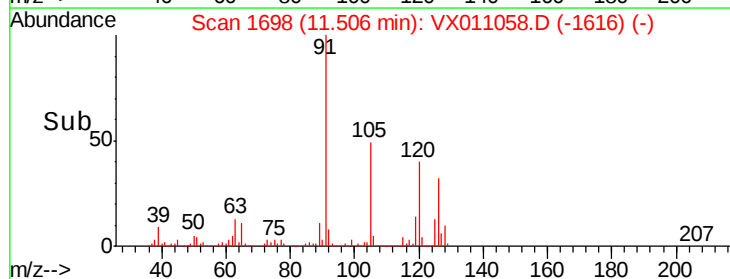
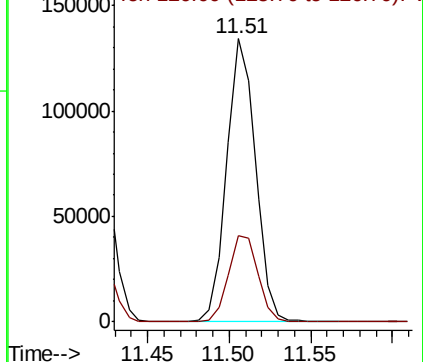
Ion Ratio Lower Upper

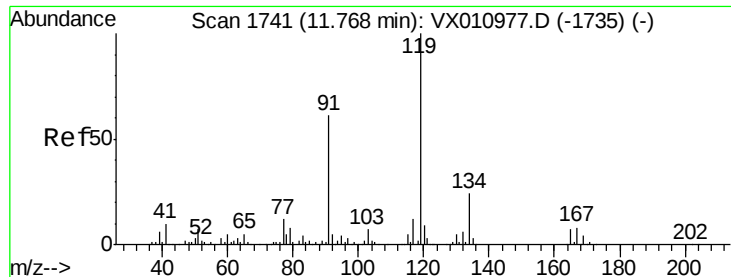
91 100

126 31.5 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: 19.956 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

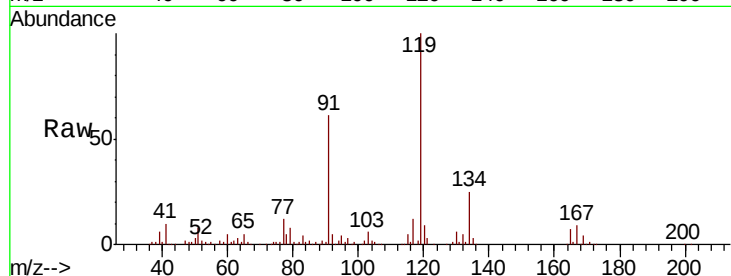
Tot Ion:119 Resp: 178584

Ion Ratio Lower Upper

119 100

91 58.3 0.0 118.4

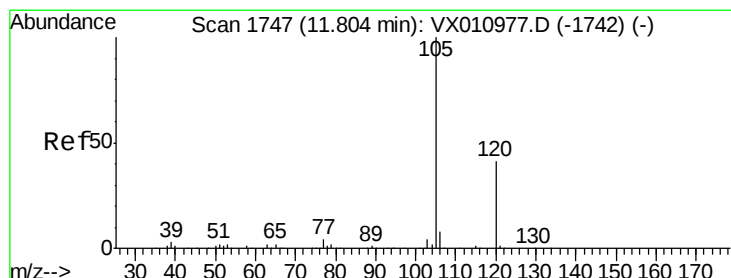
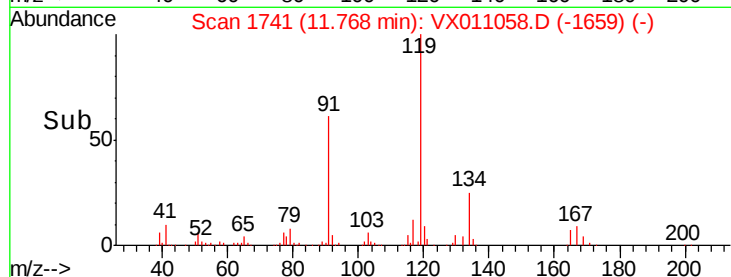
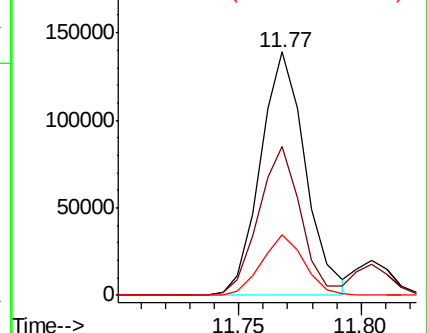
134 23.6 0.0 47.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.317 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011058.D

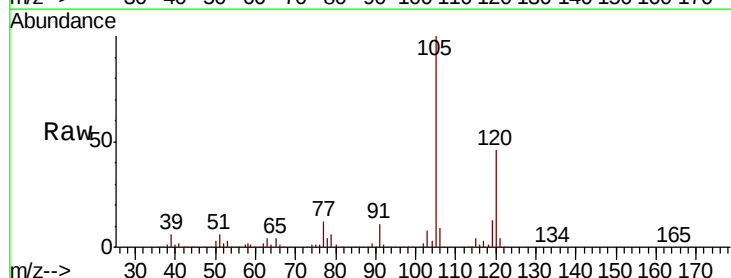
Acq: 24 Jul 2019 13:42

Tgt Ion:105 Resp: 179466

Ion Ratio Lower Upper

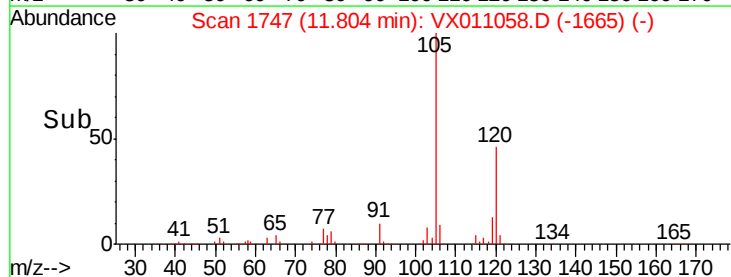
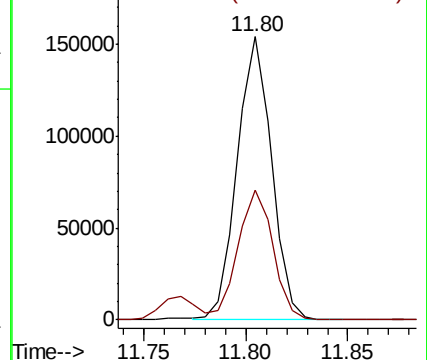
105 100

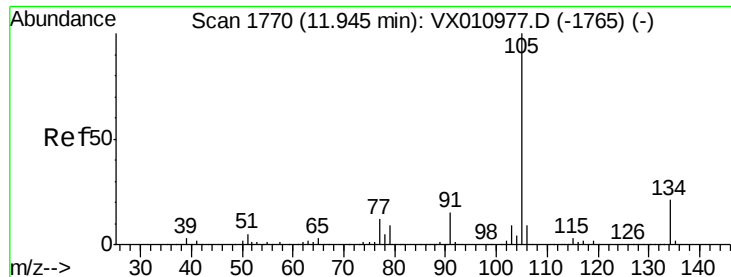
120 46.7 0.0 91.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

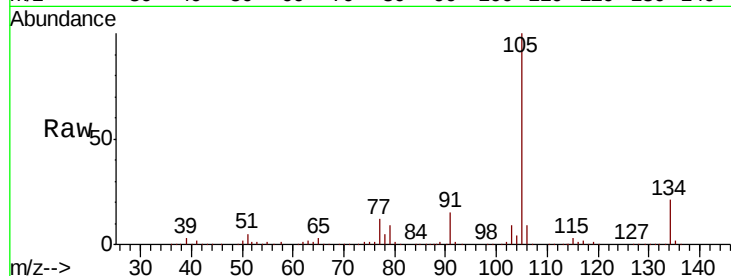




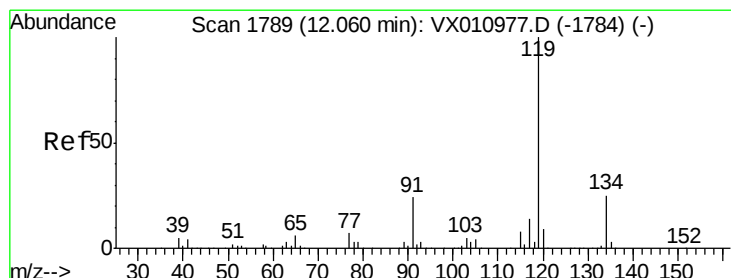
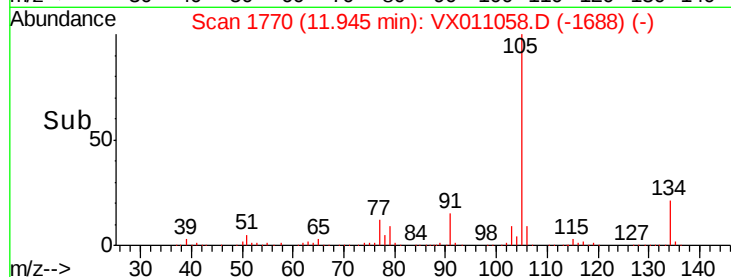
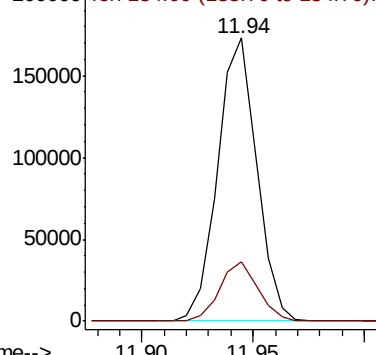
#81
 sec-Butylbenzene
 Concen: 20.098 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 212003
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 41.8

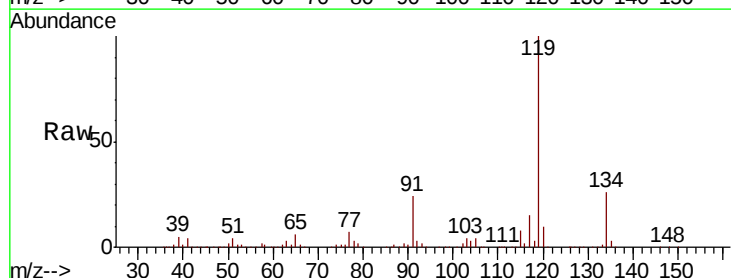


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

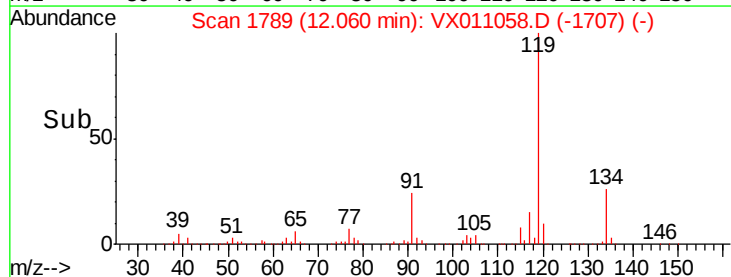
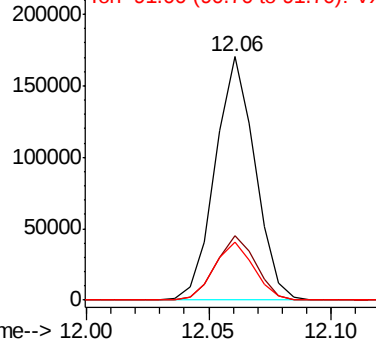


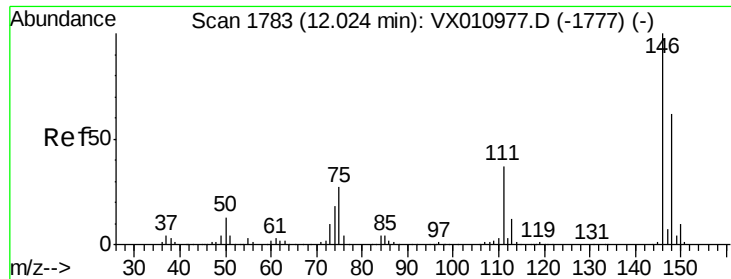
#82
 p-Isopropyltoluene
 Concen: 19.693 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion:119 Resp: 192765
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.8
 91 23.8 0.0 47.0



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

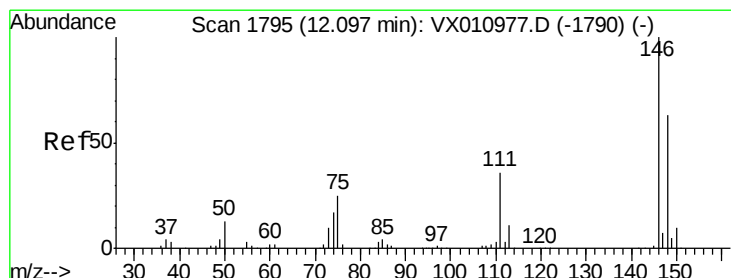
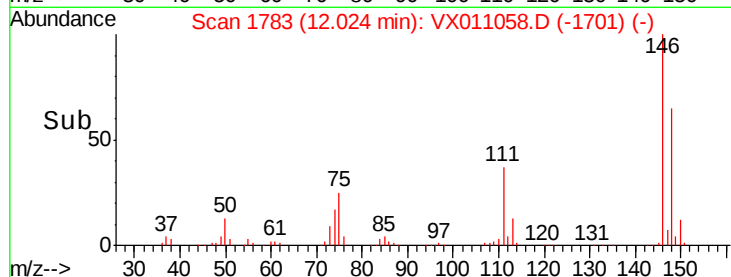
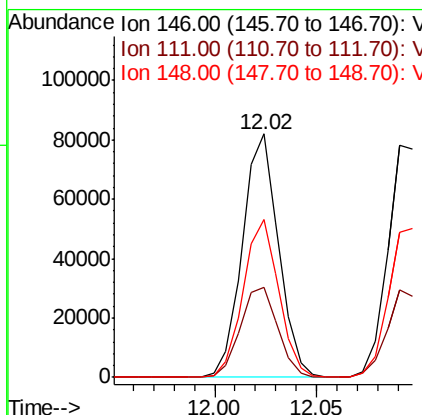
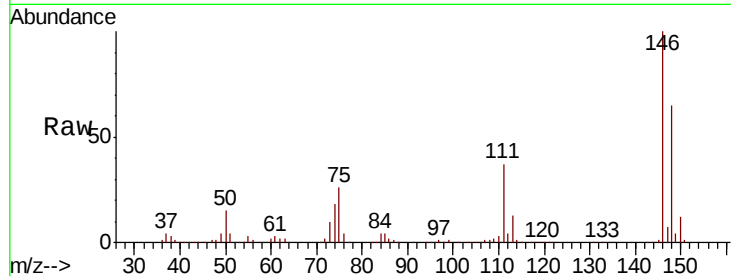




#83
 1,3-Dichlorobenzene
 Concen: 19.452 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

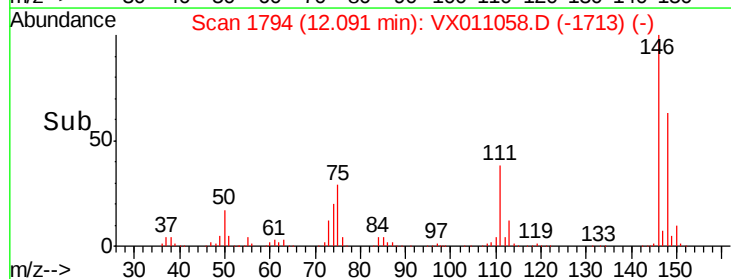
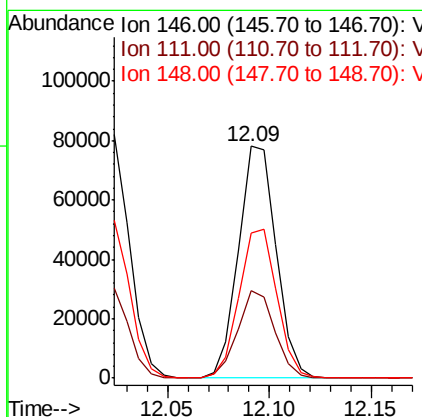
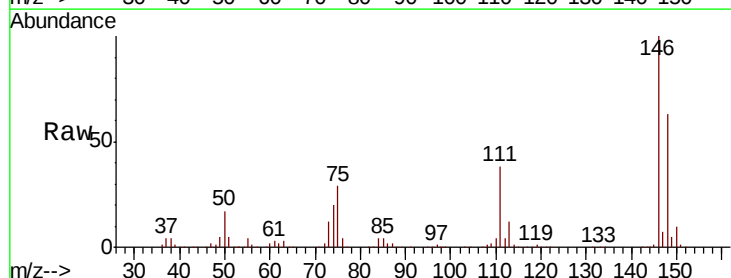
Instrument :
 MSVOA_X
 ClientSampled :

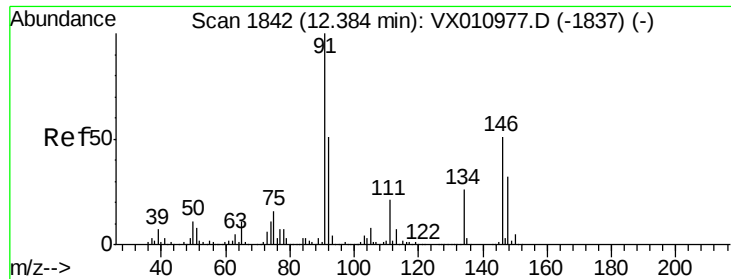
Tot Ion:146 Resp: 100990
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.9 56.9
 148 63.9 31.4 94.0



#84
 1,4-Dichlorobenzene
 Concen: 19.515 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion:146 Resp: 100701
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.5 55.5
 148 64.1 32.0 96.0

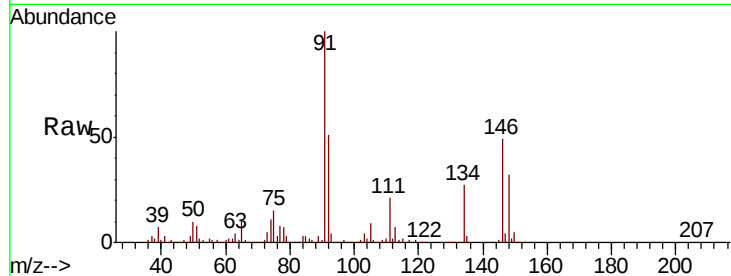




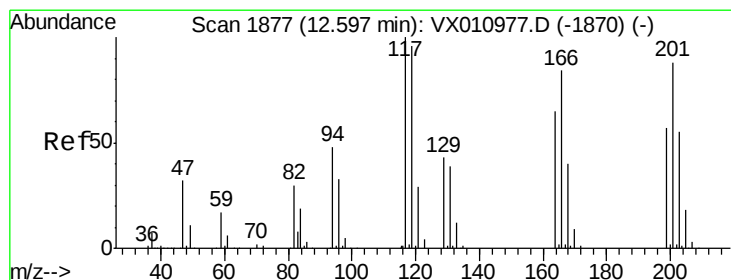
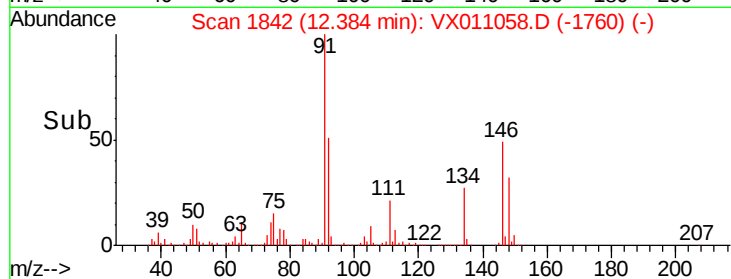
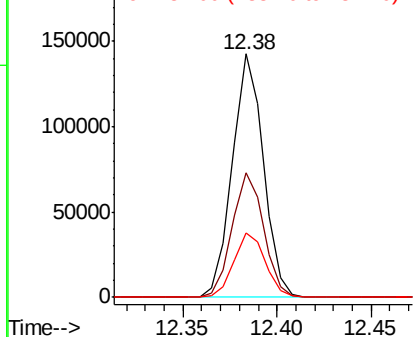
#85
n-Butylbenzene
Concen: 19.615 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 163492
Ion Ratio Lower Upper
91 100
92 51.9 0.0 103.6
134 27.0 0.0 54.2

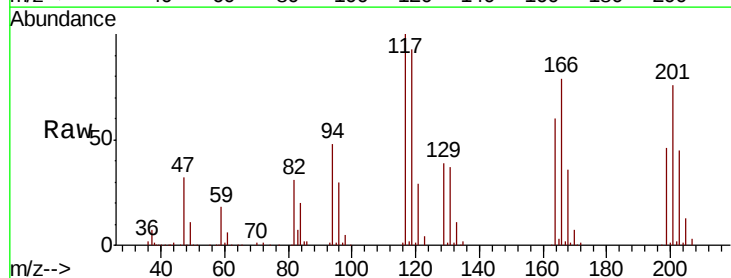


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

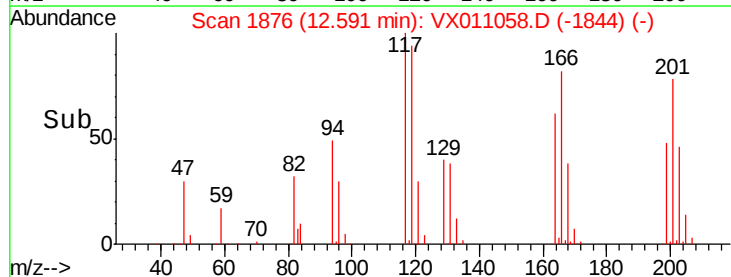
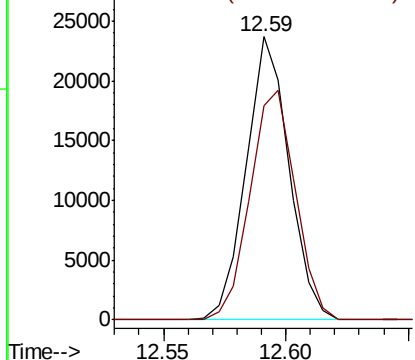


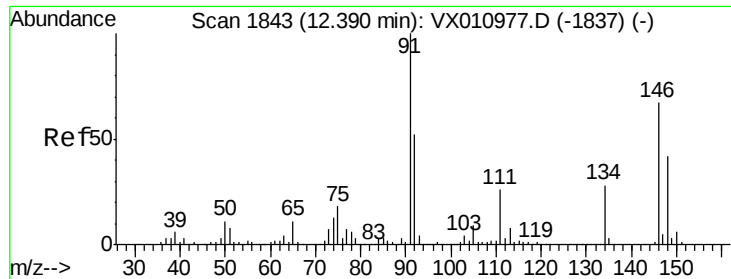
#86
Hexachloroethane
Concen: 18.689 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 117 Resp: 28852
Ion Ratio Lower Upper
117 100
201 86.0 42.1 126.3



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

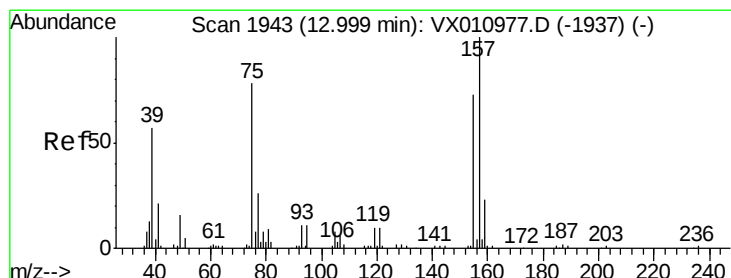
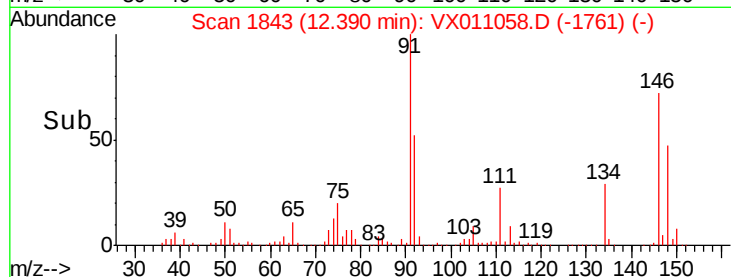
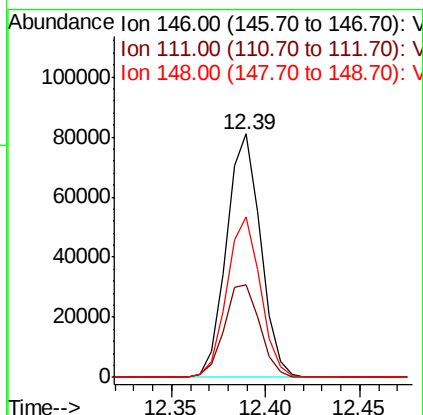
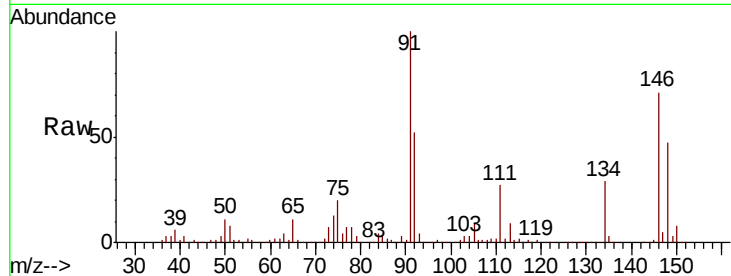




#87
 1,2-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

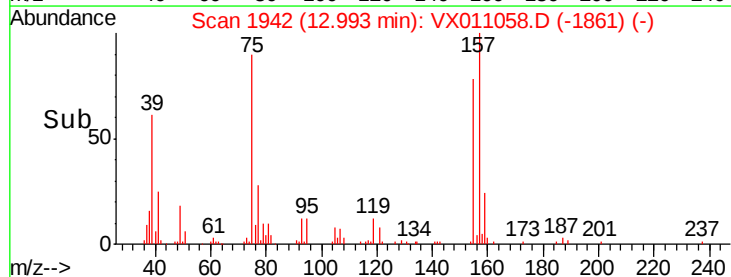
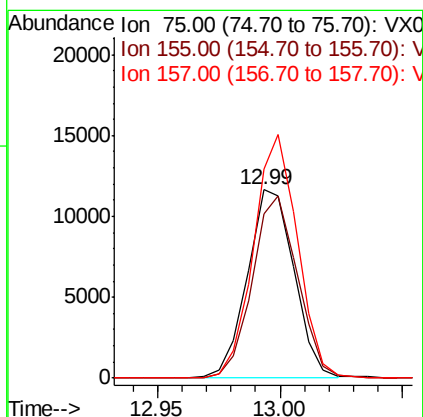
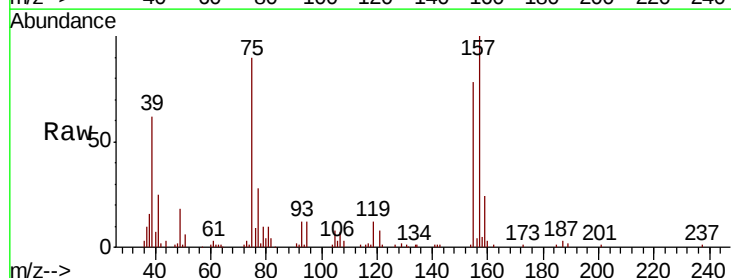
Instrument :
 MSVOA_X
 ClientSampleId :

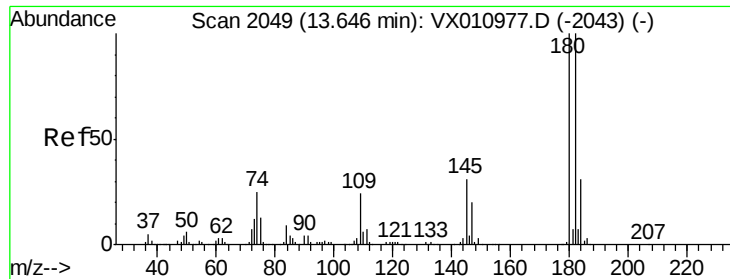
Tot Ion:146 Resp: 101356
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.5 58.5
 148 65.4 31.5 94.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.930 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 75 Resp: 15420
 Ion Ratio Lower Upper
 75 100
 155 93.9 76.6 115.0
 157 121.6 101.0 151.4

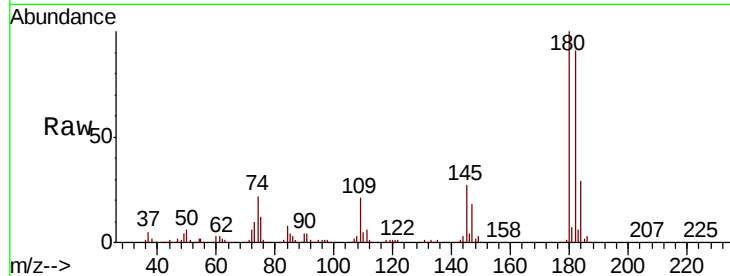




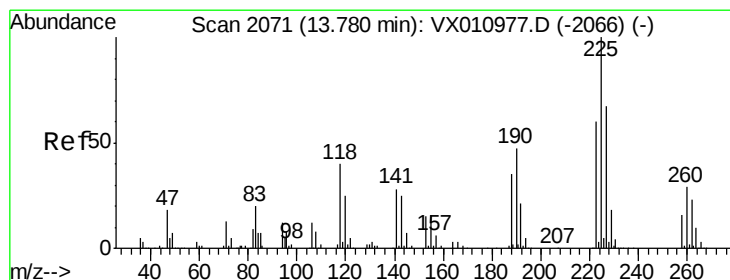
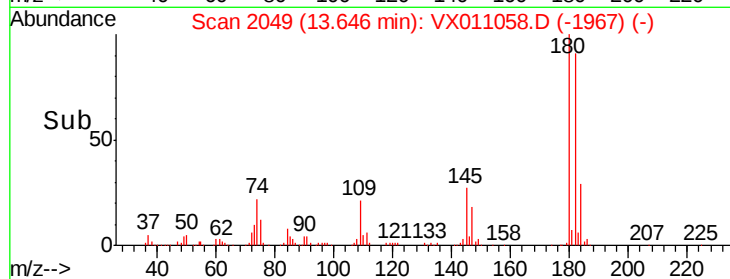
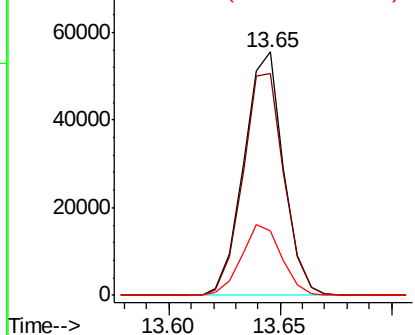
#89
 1,2,4-Trichlorobenzene
 Concen: 19.607 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 68741
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.6 116.4
 145 29.7 23.8 35.6

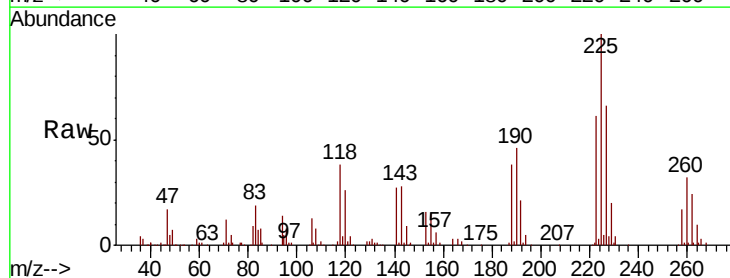


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

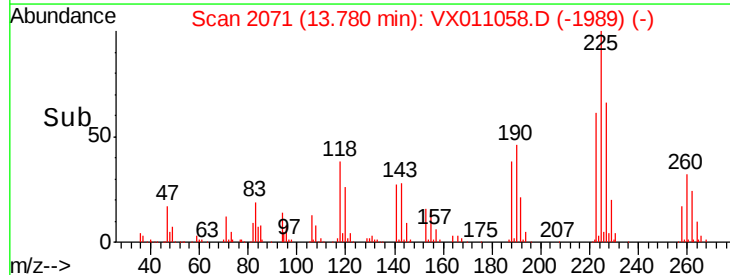
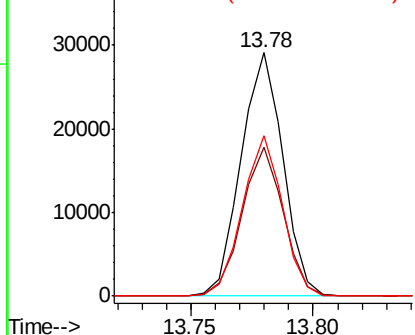


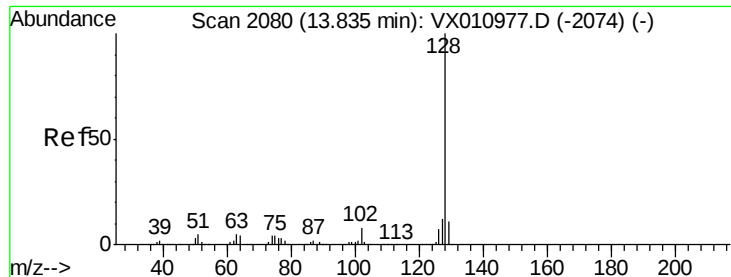
#90
 Hexachlorobutadiene
 Concen: 20.532 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion:225 Resp: 34804
 Ion Ratio Lower Upper
 225 100
 223 60.6 0.0 121.4
 227 63.0 0.0 126.6



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

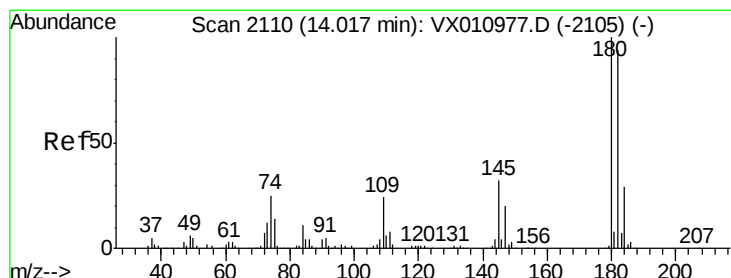
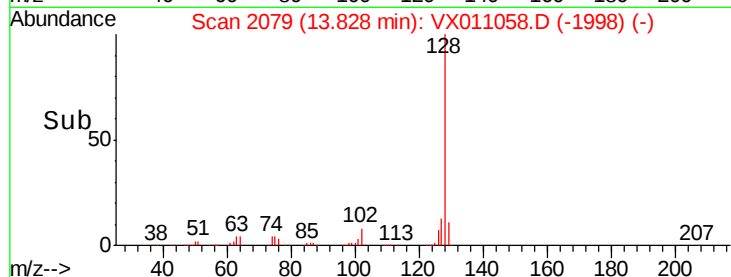
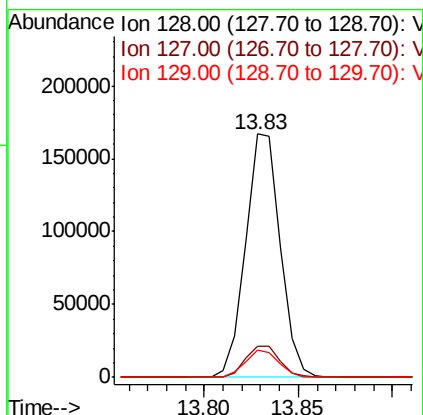
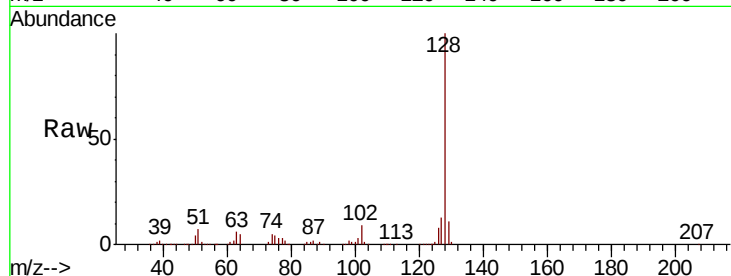




#91
Naphthalene
Concen: 19.925 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 213152
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 20.640 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion:180 Resp: 72529
Ion Ratio Lower Upper
180 100
182 92.5 0.0 190.2
145 30.0 0.0 63.8

