

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072319\
 Data File : VX011053.D
 Acq On : 23 Jul 2019 17:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 05:01:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	223312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119354	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
35) Dibromofluoromethane	5.49	113	107774	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	8.71	98	393433	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.13	95	156095	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	125684	52.751	ug/l	99
3) Chloromethane	1.32	50	103956	50.622	ug/l	99
4) Vinyl Chloride	1.41	62	109945	52.489	ug/l	100
5) Bromomethane	1.64	94	58408	49.483	ug/l	100
6) Chloroethane	1.71	64	70401	52.889	ug/l	98
7) Trichlorofluoromethane	1.92	101	193094	54.459	ug/l	100
8) Diethyl Ether	2.18	74	65083	53.275	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	113485	56.056	ug/l	100
10) Methyl Iodide	2.51	142	148801	56.009	ug/l	99
11) Tert butyl alcohol	3.05	59	137220	248.013	ug/l	99
12) 1,1-Dichloroethene	2.37	96	105678	53.128	ug/l	97
13) Acrolein	2.29	56	66186	207.048	ug/l	98
14) Allyl chloride	2.73	41	156359	54.118	ug/l	99
15) Acrylonitrile	3.14	53	291490	260.724	ug/l	99
16) Acetone	2.44	43	311566	290.374	ug/l	98
17) Carbon Disulfide	2.57	76	251198	49.232	ug/l	100
18) Methyl Acetate	2.77	43	131889	53.982	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	354606	55.379	ug/l	99
20) Methylene Chloride	2.85	84	117729	51.775	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	111479	52.820	ug/l	98
22) Diisopropyl ether	3.85	45	334893	54.958	ug/l	91
23) Vinyl Acetate	3.81	43	1448087	280.470	ug/l	100
24) 1,1-Dichloroethane	3.70	63	190873	53.936	ug/l	99
25) 2-Butanone	4.67	43	426802	277.099	ug/l	99
26) 2,2-Dichloropropane	4.57	77	167192	57.539	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	129912	53.186	ug/l	99
28) Bromochloromethane	5.01	49	89345	53.576	ug/l	98
29) Tetrahydrofuran	5.12	42	253618	259.946	ug/l	100
30) Chloroform	5.20	83	208547	54.520	ug/l	98
31) Cyclohexane	5.57	56	168215	52.149	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	185627	56.092	ug/l	100
36) 1,1-Dichloropropene	5.79	75	149369	56.340	ug/l	100
37) Ethyl Acetate	4.82	43	152927	56.332	ug/l	100
38) Carbon Tetrachloride	5.78	117	164555	59.564	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072319\
 Data File : VX011053.D
 Acq On : 23 Jul 2019 17:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 05:01:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192692	56.046	ug/l	99
40) Benzene	6.13	78	449734	55.378	ug/l	99
41) Methacrylonitrile	5.04	41	84520	54.844	ug/l	97
42) 1,2-Dichloroethane	6.18	62	160873	56.972	ug/l	99
43) Isopropyl Acetate	6.44	43	253610	56.814	ug/l	100
44) Trichloroethene	7.21	130	133517	55.542	ug/l	89
45) 1,2-Dichloropropane	7.51	63	116011	56.125	ug/l	98
46) Dibromomethane	7.66	93	83830	56.757	ug/l	100
47) Bromodichloromethane	7.89	83	158947	60.455	ug/l	98
48) Methyl methacrylate	7.76	41	124085	57.062	ug/l	97
49) 1,4-Dioxane	7.73	88	64035	1052.724	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	829041	286.504	ug/l	100
52) Toluene	8.78	92	296812	55.635	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	174743	61.811	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	190088	60.427	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	125380	57.077	ug/l	98
56) Ethyl methacrylate	9.17	69	194278	60.462	ug/l	100
57) 1,3-Dichloropropane	9.37	76	197235	56.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	435853	284.154	ug/l	99
59) 2-Hexanone	9.49	43	671110	299.020	ug/l	99
60) Dibromochloromethane	9.58	129	140875	55.434	ug/l	99
61) 1,2-Dibromoethane	9.67	107	136150	58.402	ug/l	99
64) Tetrachloroethene	9.34	164	130107	54.303	ug/l	98
65) Chlorobenzene	10.13	112	344760	55.113	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	128626	58.506	ug/l	99
67) Ethyl Benzene	10.25	91	600123	56.362	ug/l	99
68) m/p-Xylenes	10.35	106	458862	112.347	ug/l	99
69) o-Xylene	10.69	106	225041	56.456	ug/l	100
70) Styrene	10.71	104	390884	58.825	ug/l	99
71) Bromoform	10.85	173	108174	53.833	ug/l #	99
73) Isopropylbenzene	11.02	105	616833	54.238	ug/l	100
74) N-amyl acetate	10.90	43	241057	55.474	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	197826	53.154	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	222707	73.325	ug/l	83
77) Bromobenzene	11.25	156	167485	53.390	ug/l	99
78) n-propylbenzene	11.36	91	707915	56.336	ug/l	99
79) 2-Chlorotoluene	11.42	91	414584	54.922	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	534134	56.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62458	51.933	ug/l	99
82) 4-Chlorotoluene	11.51	91	494511	56.285	ug/l	99
83) tert-Butylbenzene	11.77	119	529289	56.703	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	539476	56.324	ug/l	99
85) sec-Butylbenzene	11.94	105	629810	57.583	ug/l	99
86) p-Isopropyltoluene	12.06	119	591555	58.503	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	304097	55.859	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	303118	54.290	ug/l	98
89) n-Butylbenzene	12.38	91	528278	61.067	ug/l	100
90) Hexachloroethane	12.59	117	93752	58.784	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	297222	55.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43685	56.153	ug/l	98

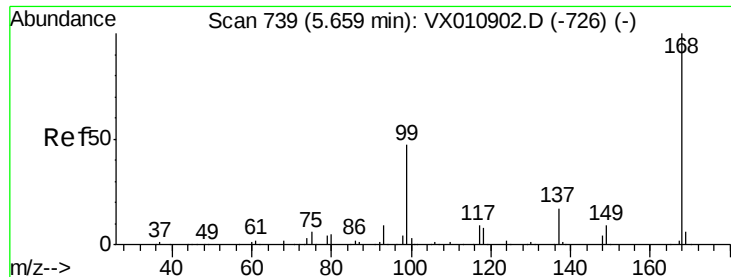
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072319\
Data File : VX011053.D
Acq On : 23 Jul 2019 17:14
Operator : JC/SP
Sample : VSTDCCC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 24 05:01:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	216509	59.212	ug/l	99
94) Hexachlorobutadiene	13.78	225	106151	58.583	ug/l	100
95) Naphthalene	13.83	128	625270	57.909	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	211202	58.051	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

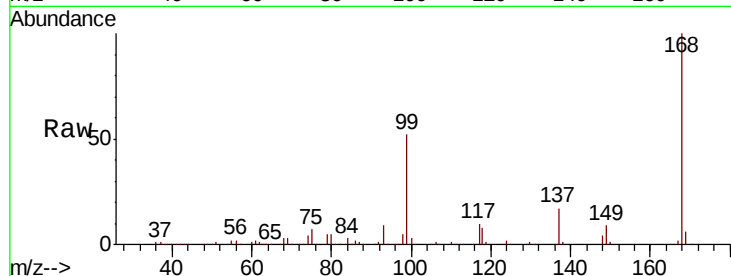
ClientSampled :

Tot Ion:168 Resp: 223312

Ion Ratio Lower Upper

168 100

99 51.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

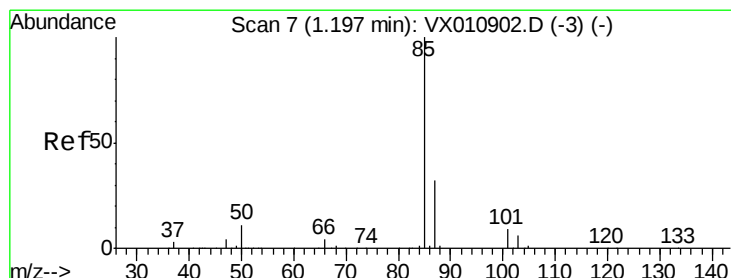
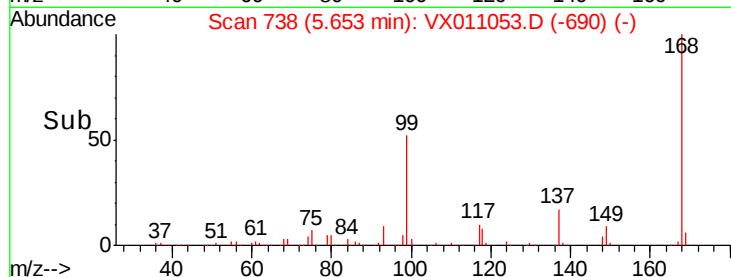
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 52.751 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011053.D

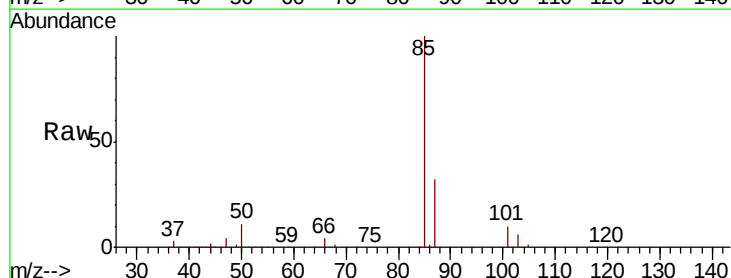
Acq: 23 Jul 2019 17:14

Tgt Ion: 85 Resp: 125684

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

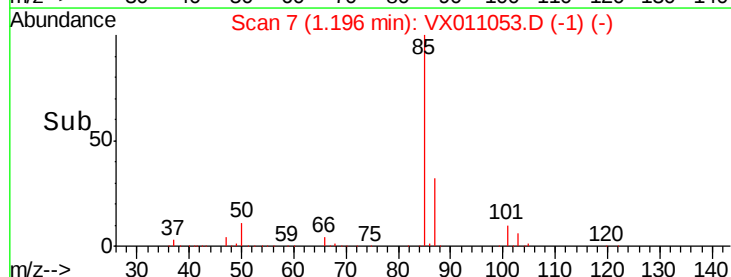
100000

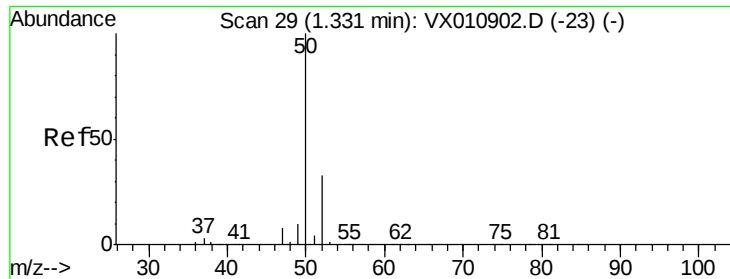
50000

0

Time-->

1.20 1.30





#3

Chloromethane

Concen: 50.622 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

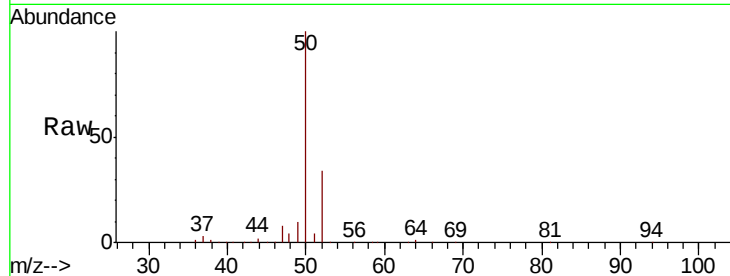
ClientSampled :

Tot Ion: 50 Resp: 103956

Ion Ratio Lower Upper

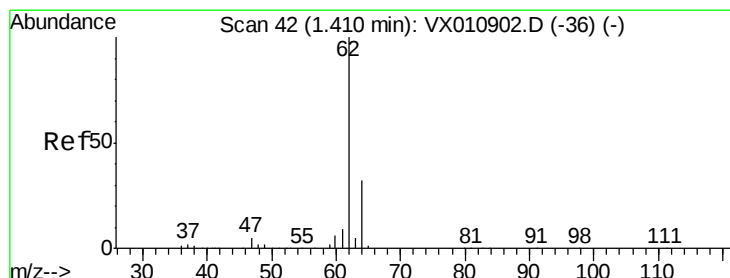
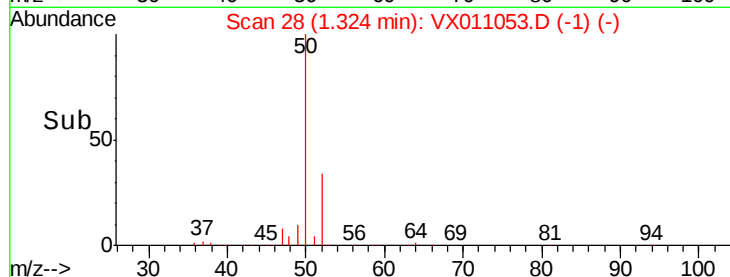
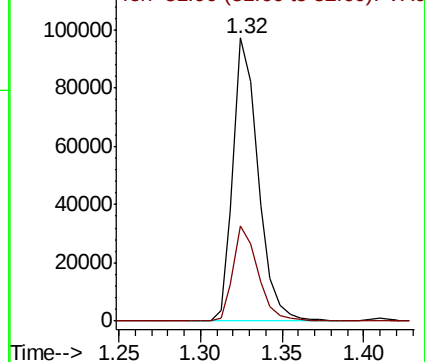
50 100

52 33.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.489 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011053.D

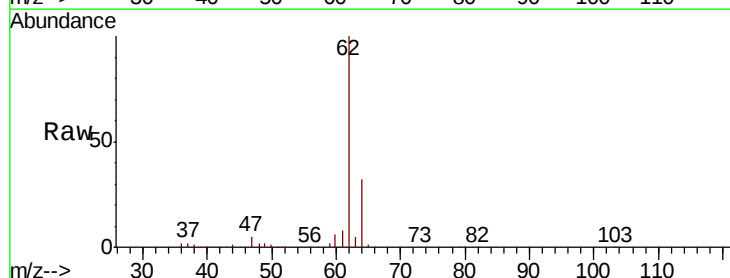
Acq: 23 Jul 2019 17:14

Tgt Ion: 62 Resp: 109945

Ion Ratio Lower Upper

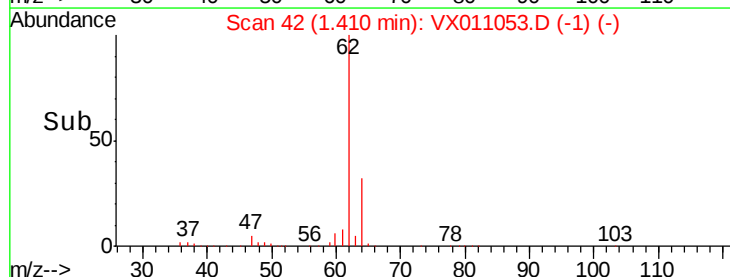
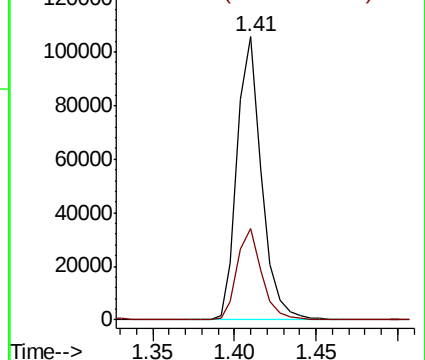
62 100

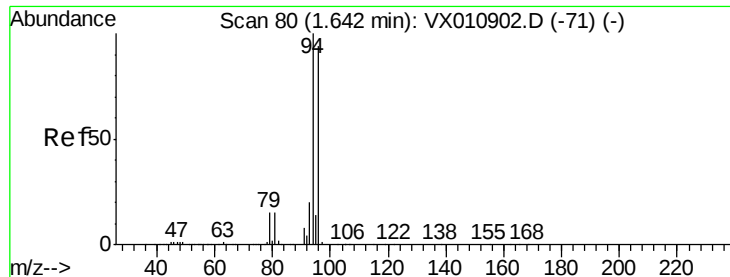
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.483 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

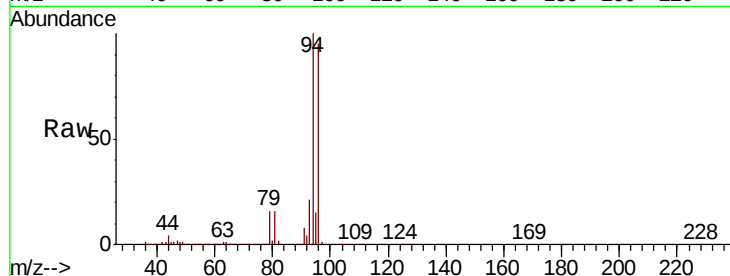
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 58408

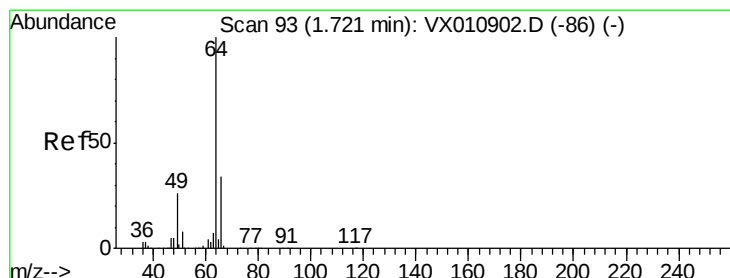
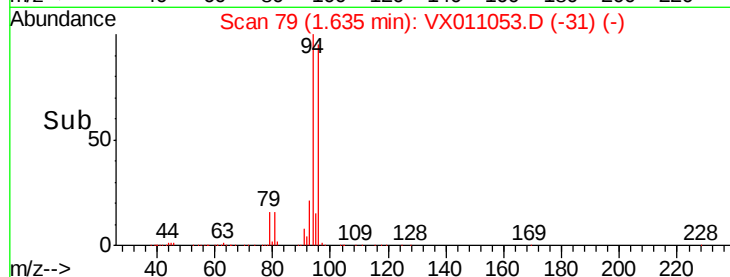
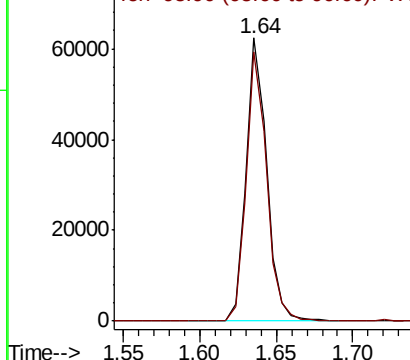
Ion Ratio Lower Upper

94 100

96 94.9 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.889 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011053.D

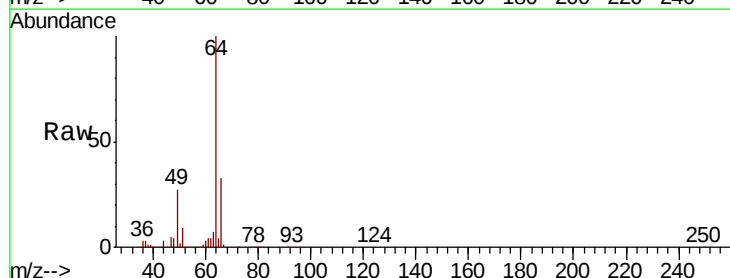
Acq: 23 Jul 2019 17:14

Tgt Ion: 64 Resp: 70401

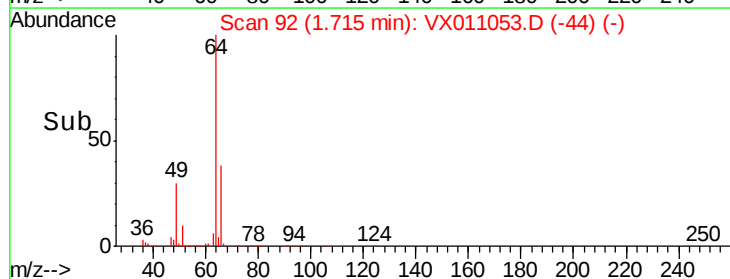
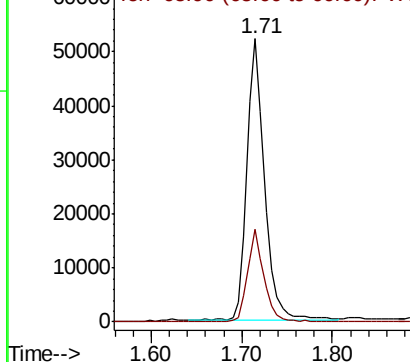
Ion Ratio Lower Upper

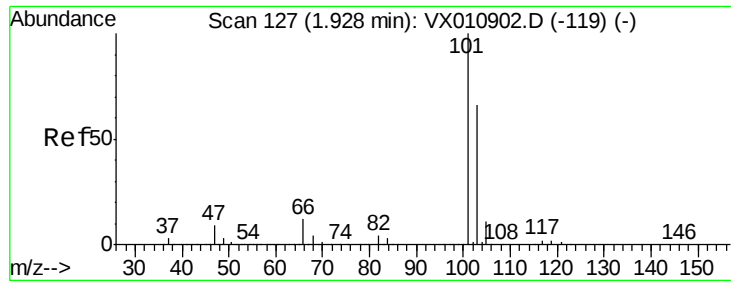
64 100

66 32.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



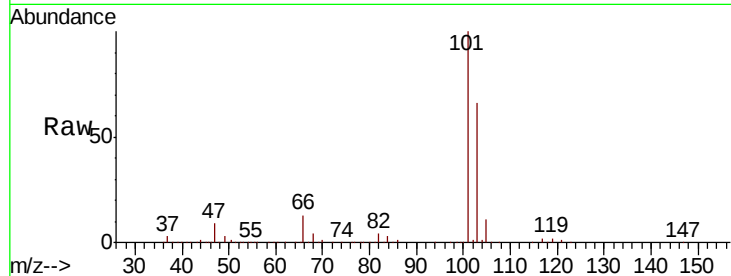


#7

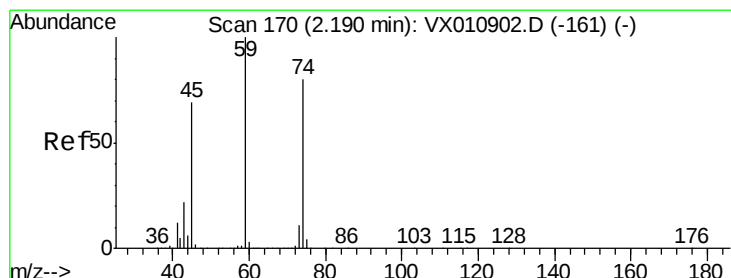
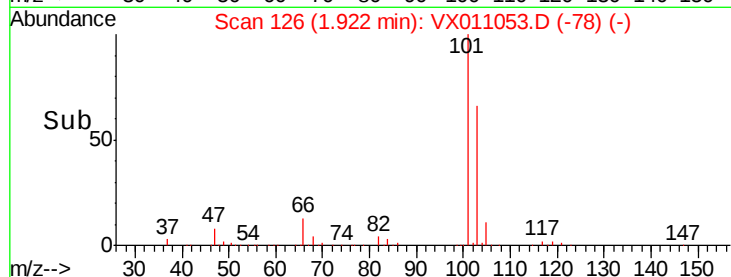
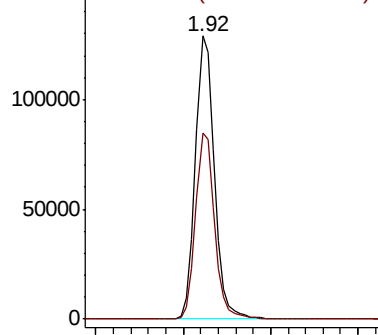
Trichlorofluoromethane
Concen: 54.459 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 193094
Ion Ratio Lower Upper
101 100
103 65.6 52.6 78.8



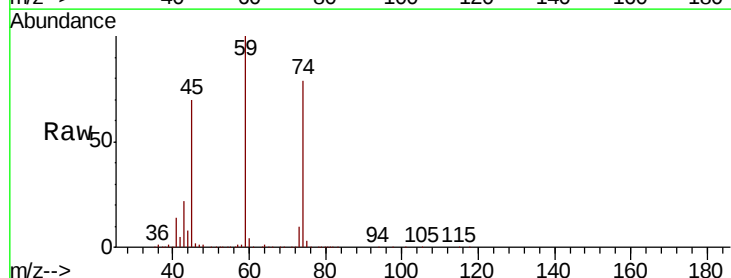
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



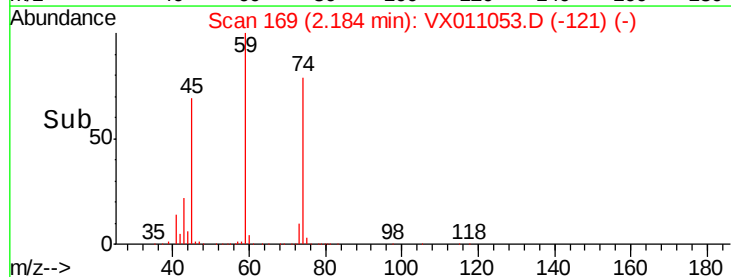
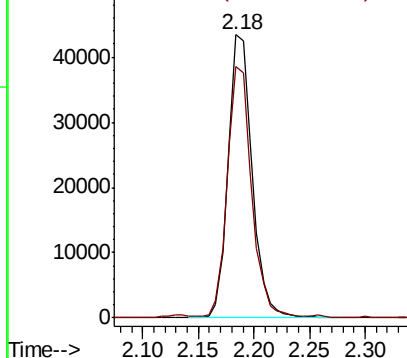
#8

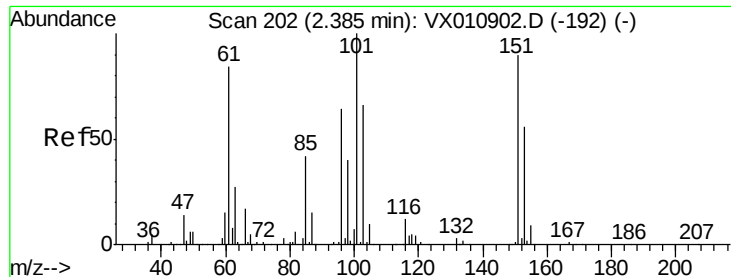
Diethyl Ether
Concen: 53.275 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 74 Resp: 65083
Ion Ratio Lower Upper
74 100
45 88.4 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.056 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

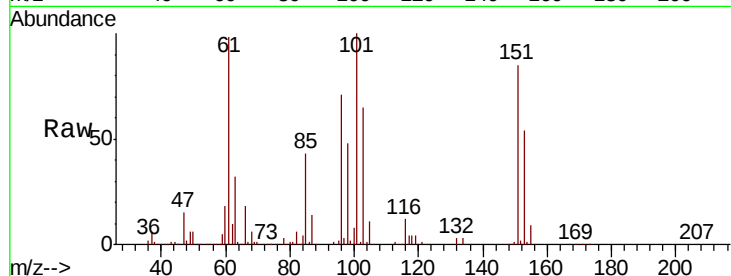
Tot Ion:101 Resp: 113485

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

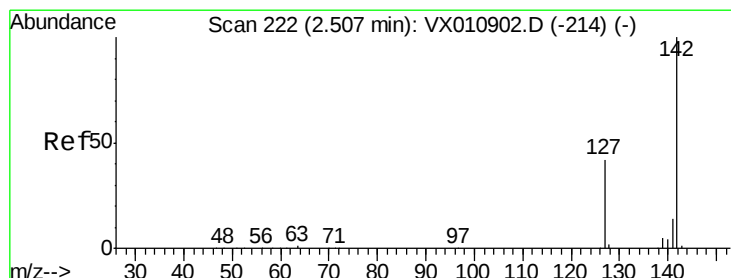
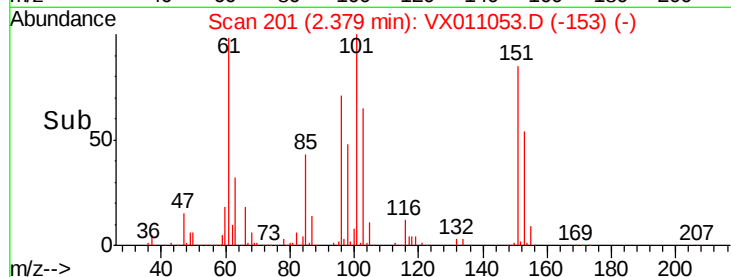
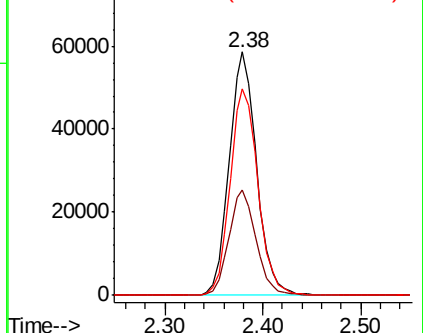
151 86.6 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.009 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

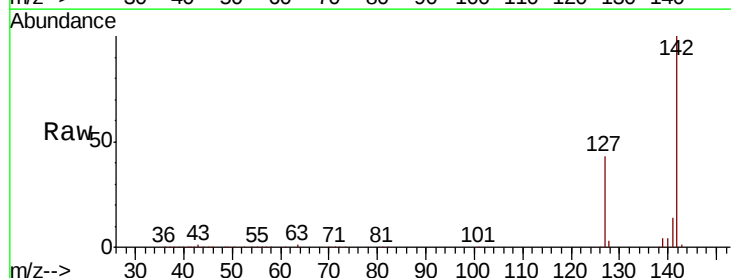
Tgt Ion:142 Resp: 148801

Ion Ratio Lower Upper

142 100

127 43.3 34.2 51.4

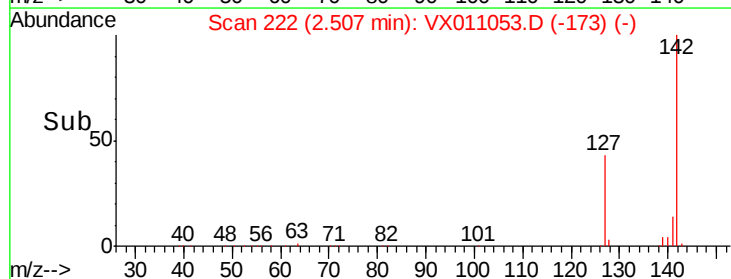
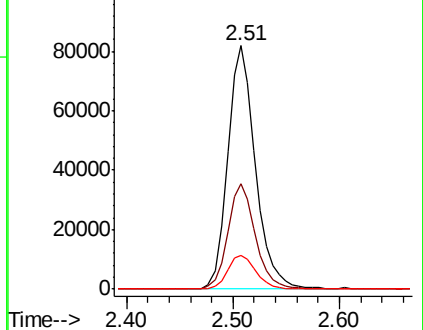
141 14.3 11.7 17.5

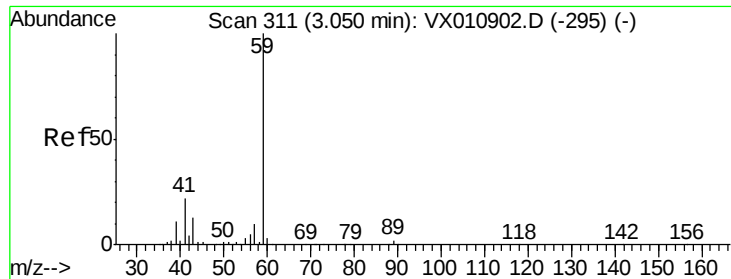


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

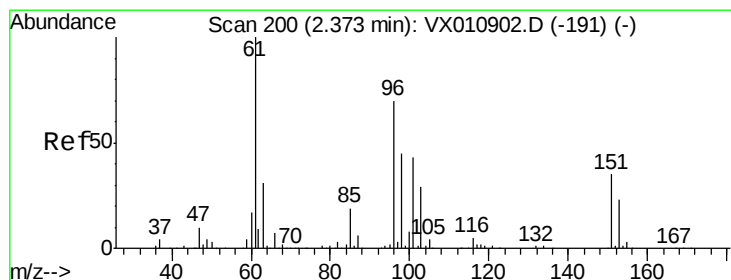
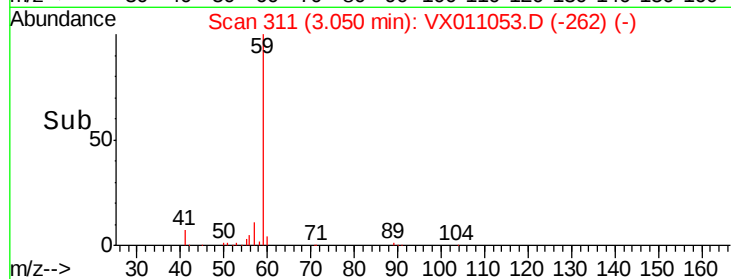
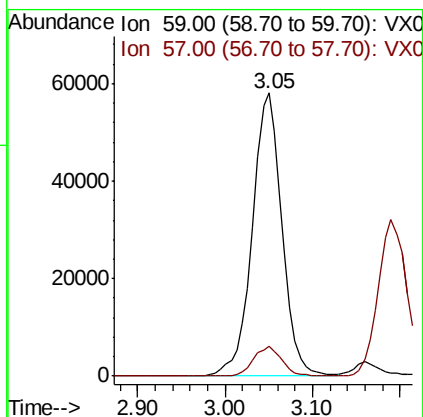
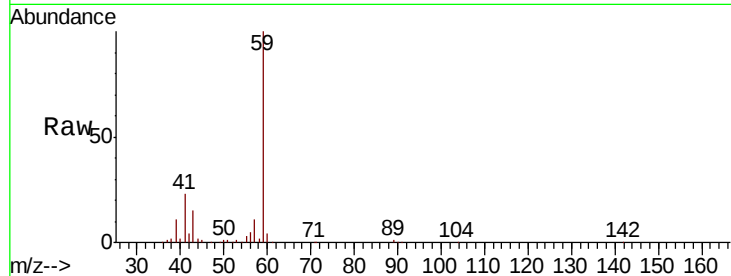




#11
Tert butyl alcohol
Concen: 248.013 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

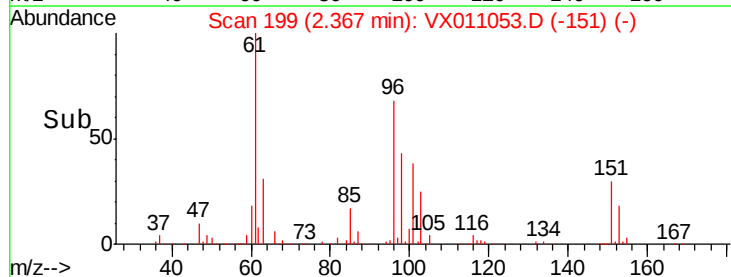
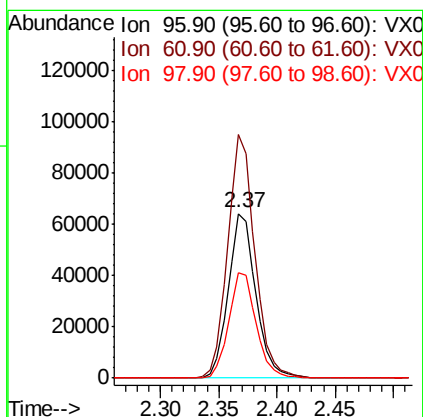
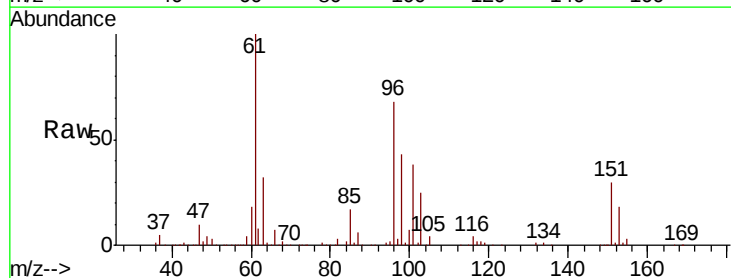
Instrument :
MSVOA_X
ClientSampleId :

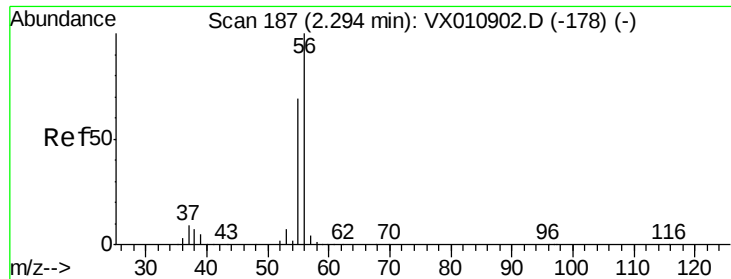
Tot Ion: 59 Resp: 137220
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9



#12
1,1-Dichloroethene
Concen: 53.128 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 96 Resp: 105678
Ion Ratio Lower Upper
96 100
61 148.1 115.0 172.4
98 64.1 52.2 78.2





#13

Acrolein

Concen: 207.048 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

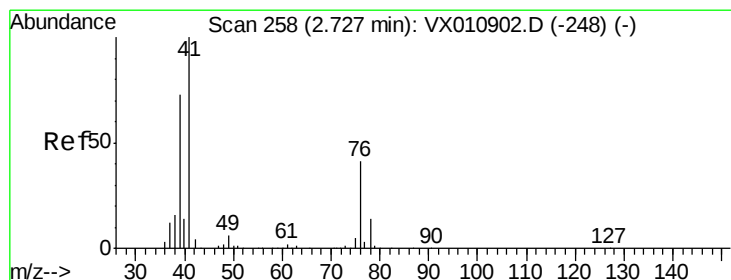
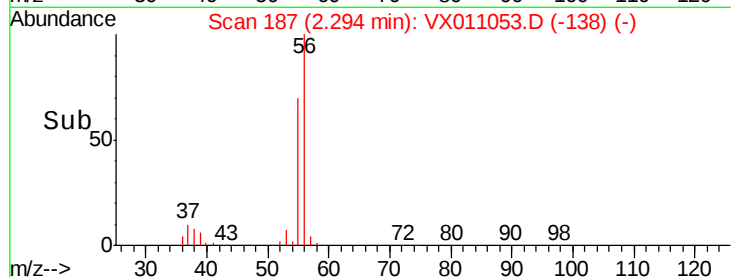
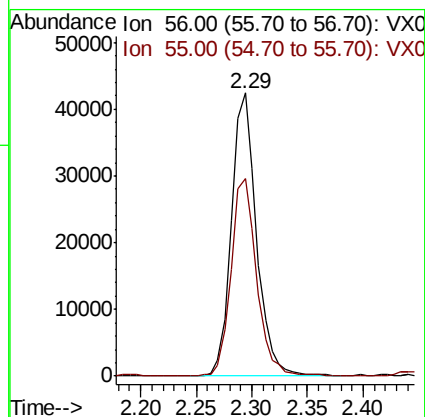
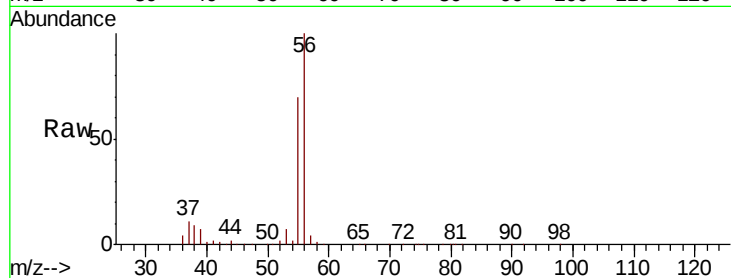
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 66186

Ion Ratio Lower Upper

56 100

55 71.5 55.9 83.9



#14

Allyl chloride

Concen: 54.118 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

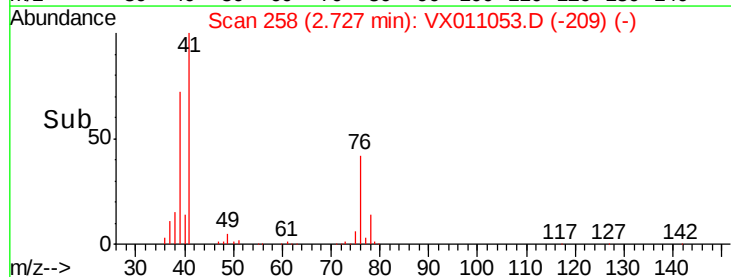
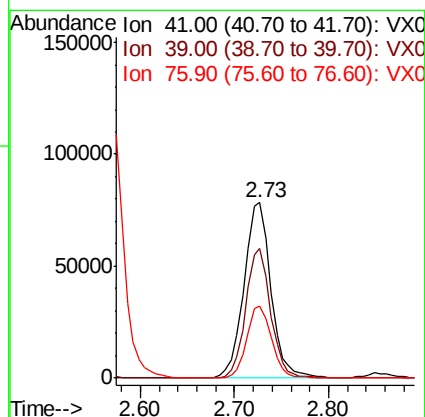
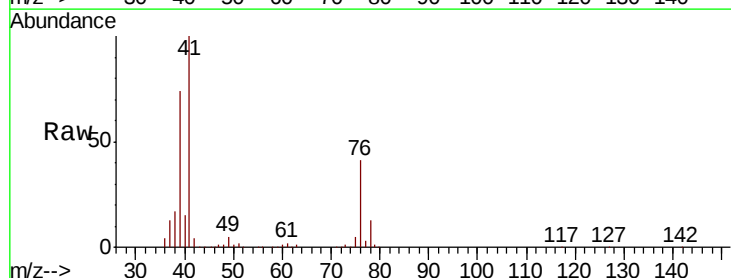
Tgt Ion: 41 Resp: 156359

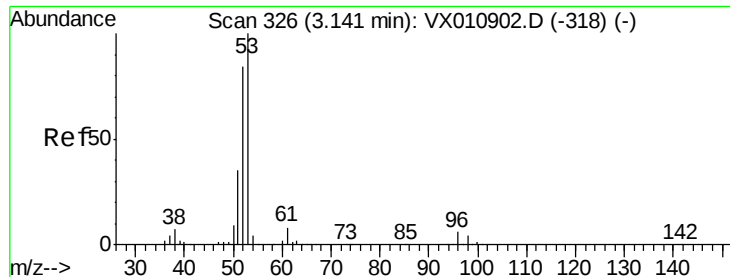
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 260.724 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

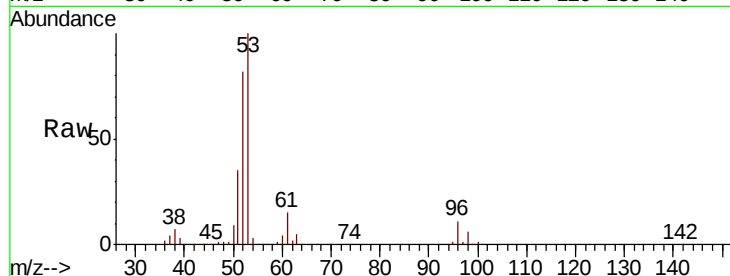
Tot Ion: 53 Resp: 291490

Ion Ratio Lower Upper

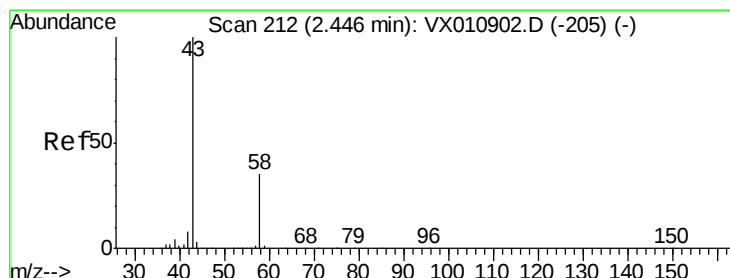
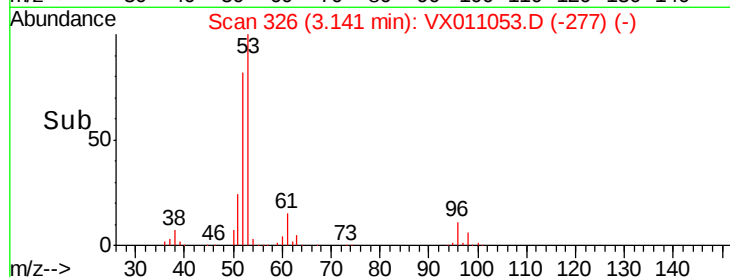
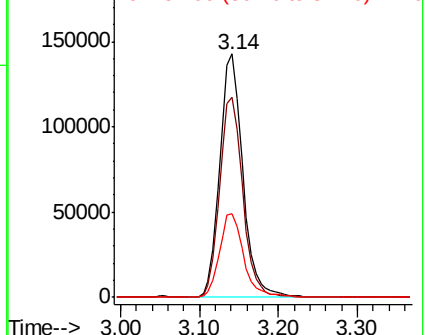
53 100

52 82.8 66.5 99.7

51 36.0 28.2 42.4



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



#16

Acetone

Concen: 290.374 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011053.D

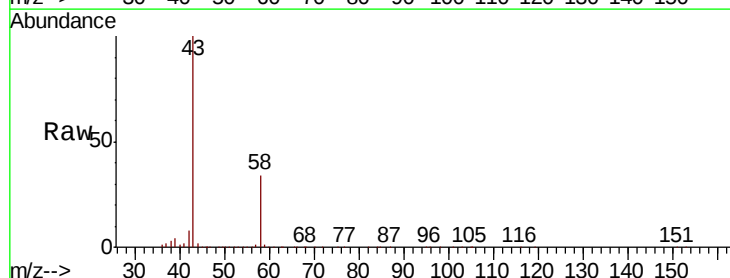
Acq: 23 Jul 2019 17:14

Tgt Ion: 43 Resp: 311566

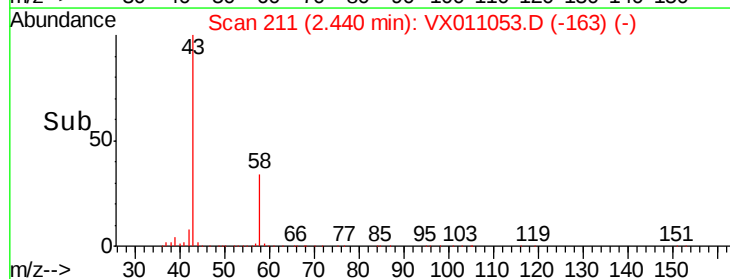
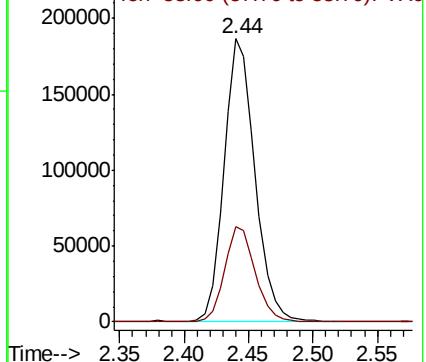
Ion Ratio Lower Upper

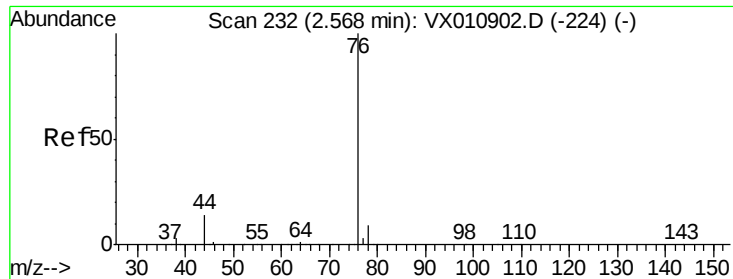
43 100

58 33.5 27.7 41.5



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

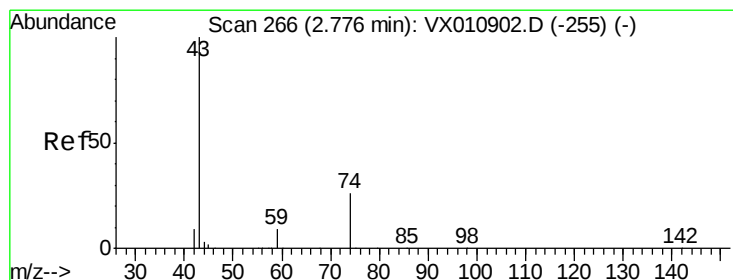
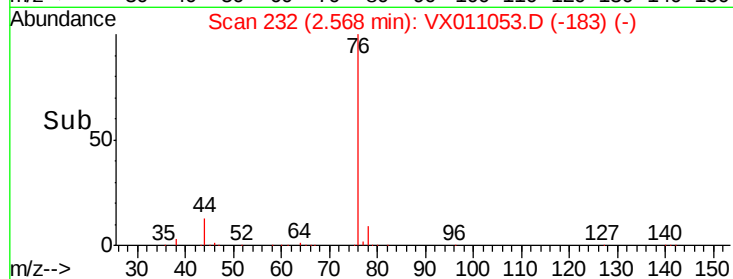
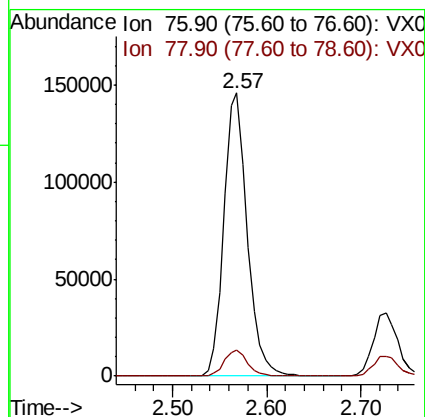
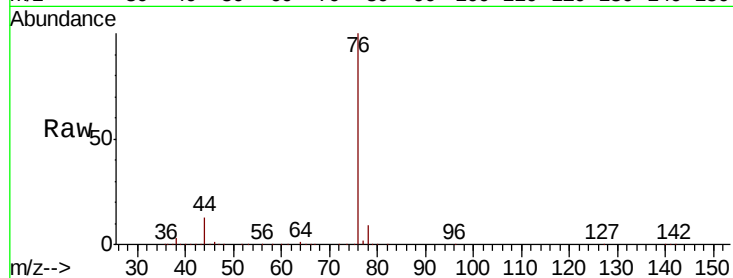




#17
Carbon Disulfide
Concen: 49.232 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

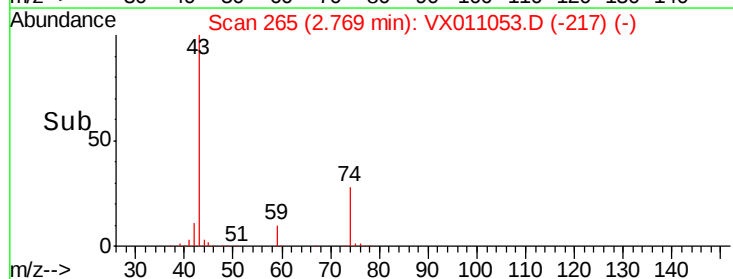
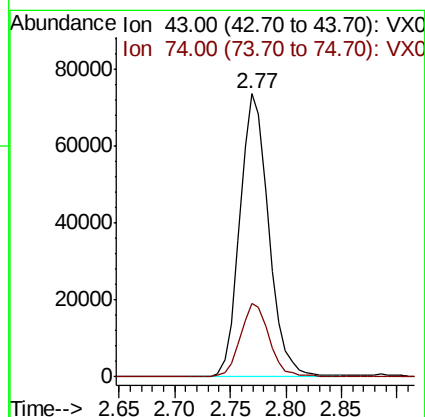
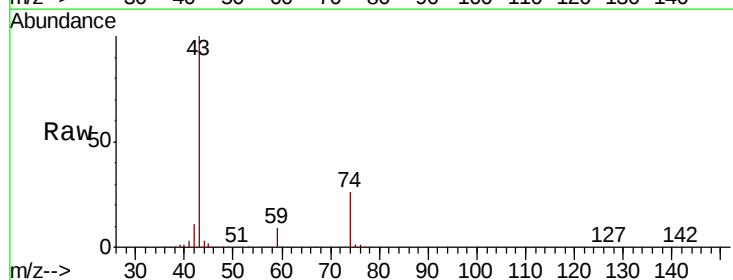
Instrument :
MSVOA_X
ClientSampleId :

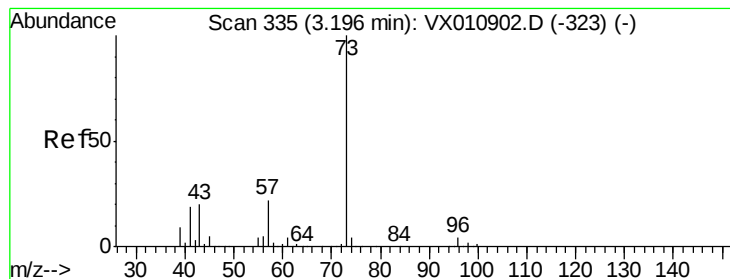
Tot Ion: 76 Resp: 251198
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 53.982 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 43 Resp: 131889
Ion Ratio Lower Upper
43 100
74 26.6 21.5 32.3



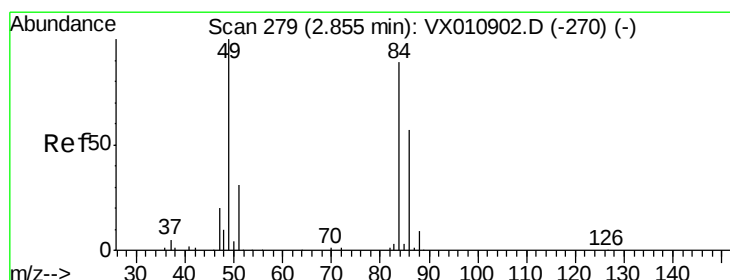
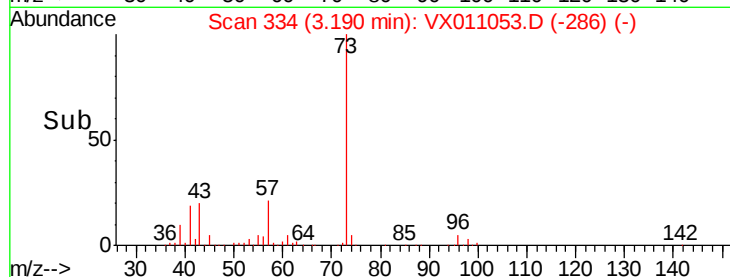
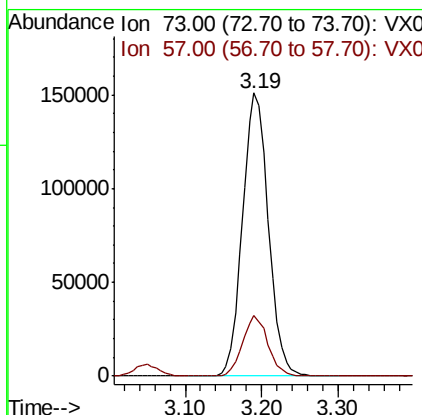
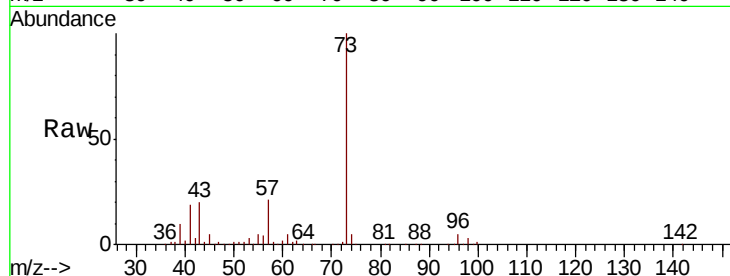


#19

Methyl tert-butyl Ether
 Concen: 55.379 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :

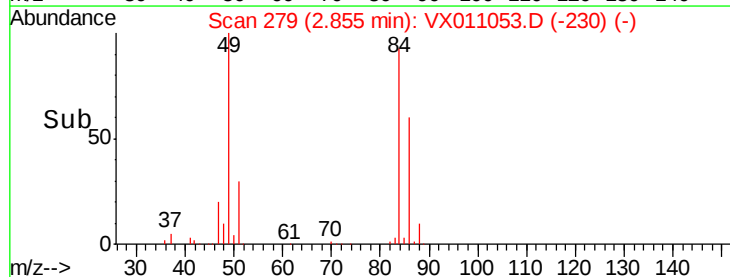
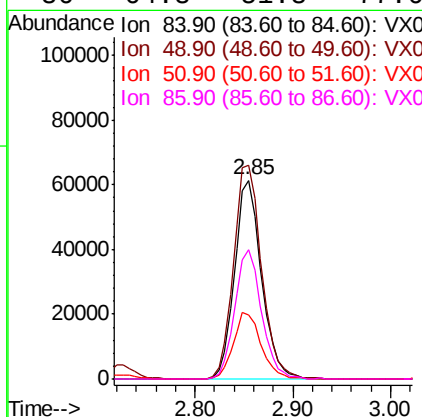
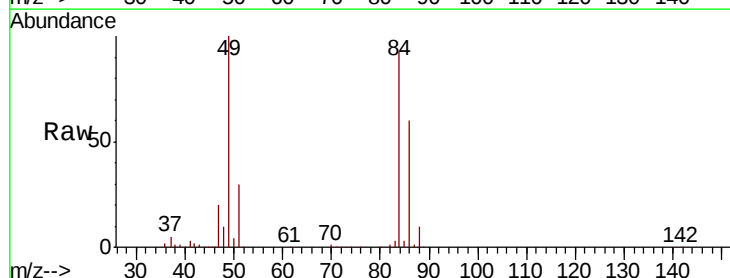
Tot Ion: 73 Resp: 354606
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.3 25.9

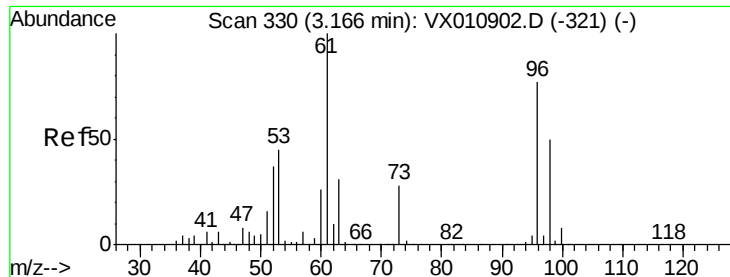


#20

Methylene Chloride
 Concen: 51.775 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion: 84 Resp: 117729
 Ion Ratio Lower Upper
 84 100
 49 107.6 89.9 134.9
 51 32.4 27.8 41.6
 86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.820 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

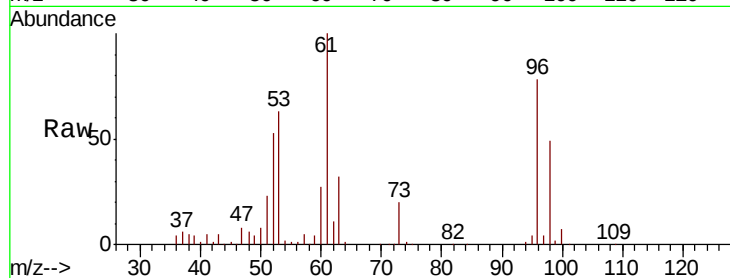
Tot Ion: 96 Resp: 111479

Ion Ratio Lower Upper

96 100

61 128.7 104.2 156.2

98 63.4 52.2 78.4

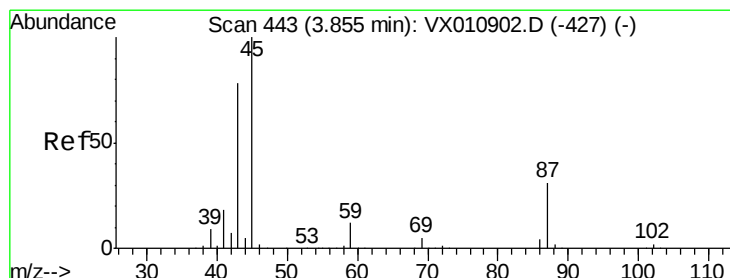
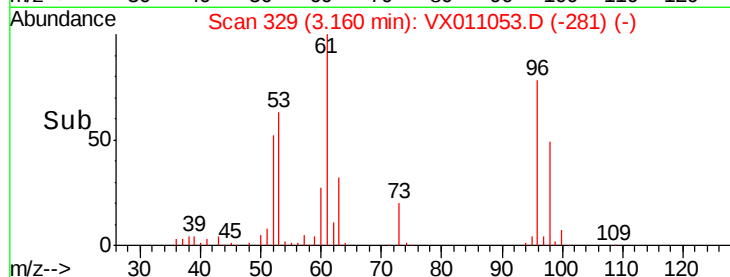
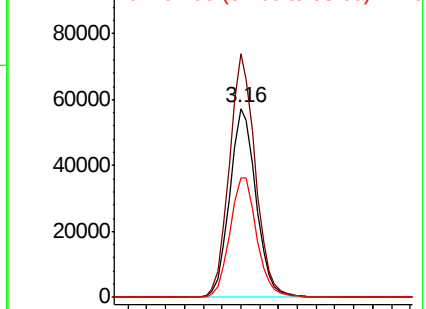


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.958 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion: 45 Resp: 334893

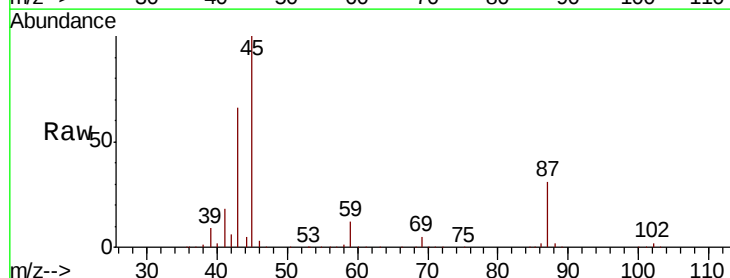
Ion Ratio Lower Upper

45 100

43 65.5 62.3 93.5

87 30.9 25.0 37.4

59 12.3 9.9 14.9



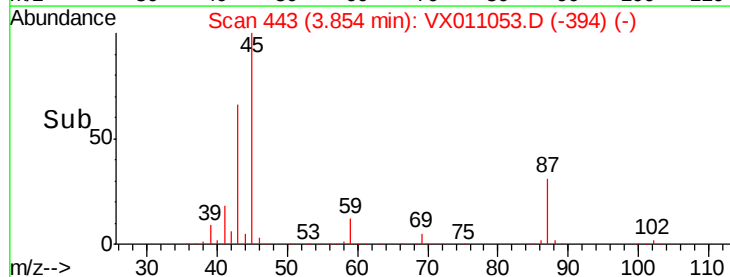
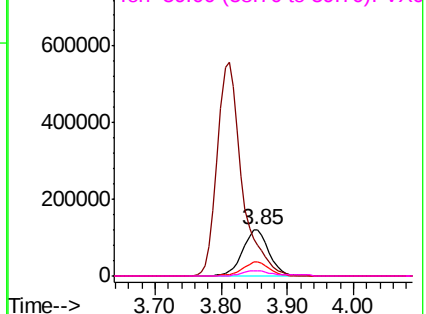
Abundance

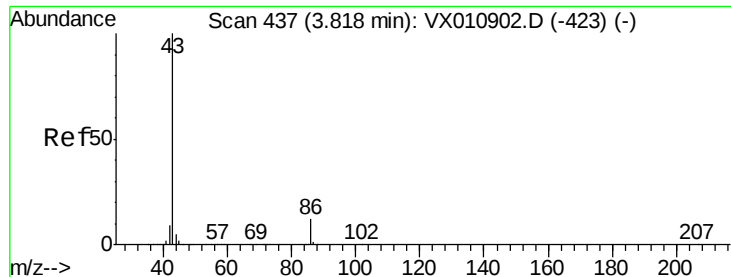
Ion 45.00 (44.70 to 45.70): VX0

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





#23

Vinyl Acetate

Concen: 280.470 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

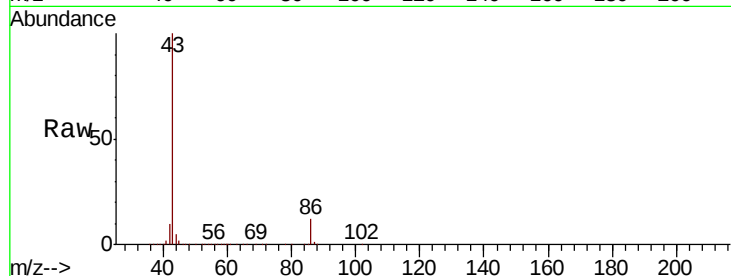
ClientSampleId :

Tot Ion: 43 Resp: 1448087

Ion Ratio Lower Upper

43 100

86 11.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

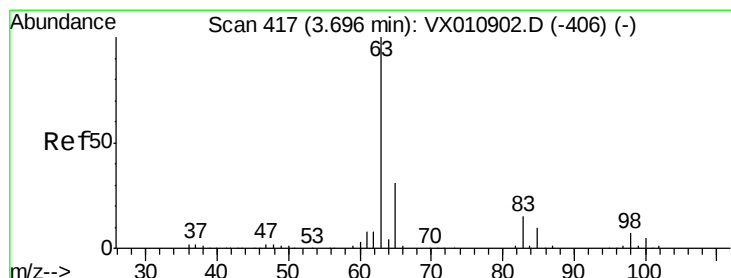
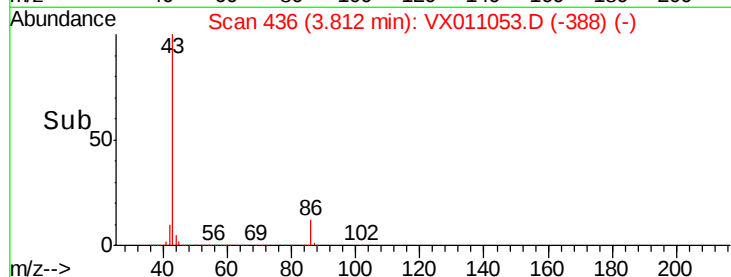
300000

200000

100000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 53.936 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

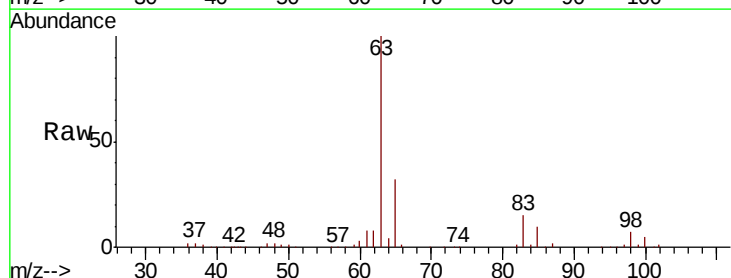
Tgt Ion: 63 Resp: 190873

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

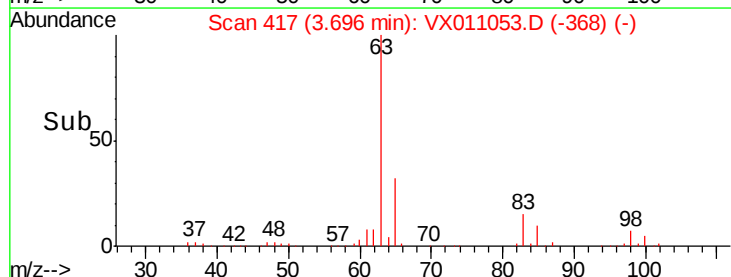
60000

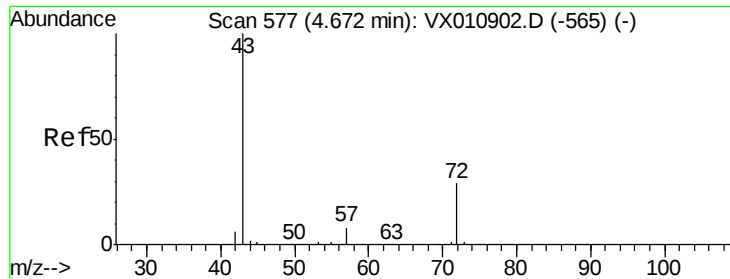
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 277.099 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

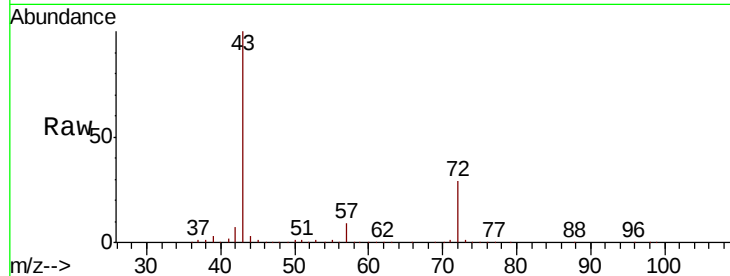
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 426802

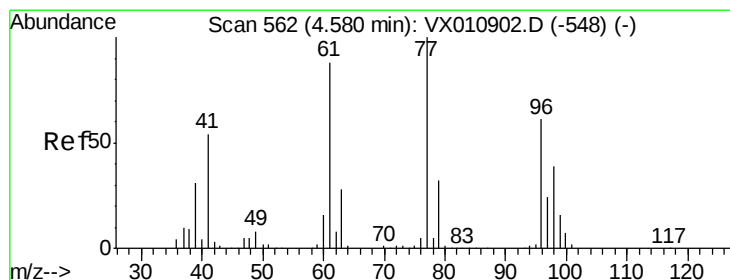
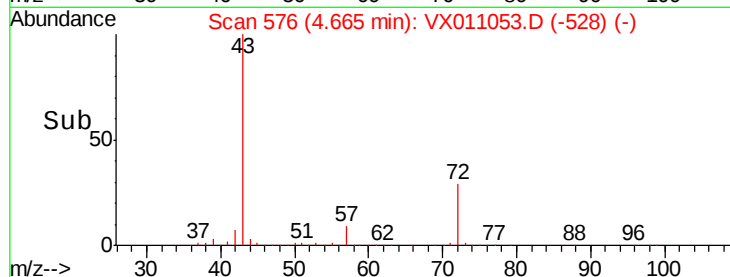
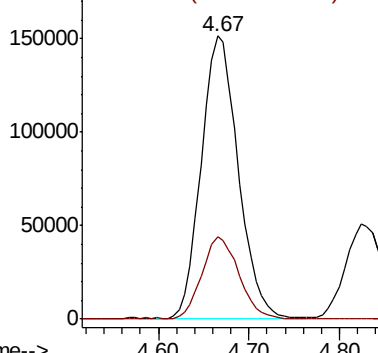
Ion Ratio Lower Upper

43 100

72 29.2 23.0 34.6



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



#26

2,2-Dichloropropane

Concen: 57.539 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011053.D

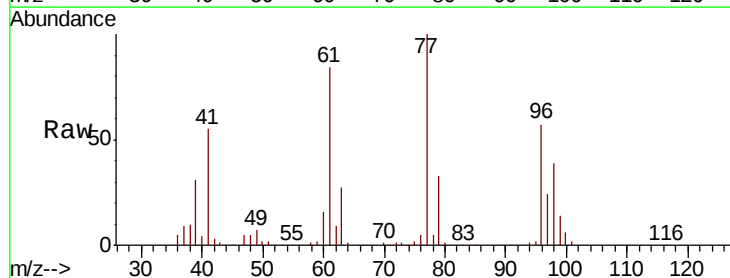
Acq: 23 Jul 2019 17:14

Tgt Ion: 77 Resp: 167192

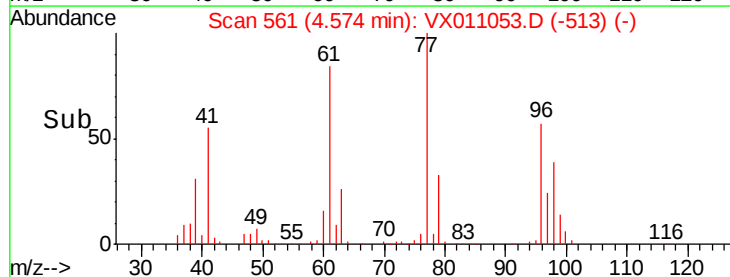
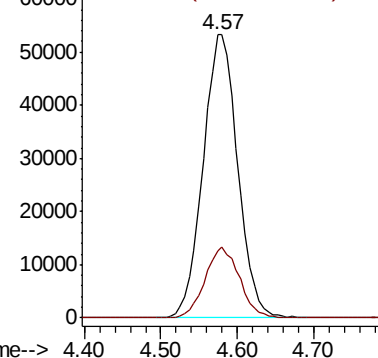
Ion Ratio Lower Upper

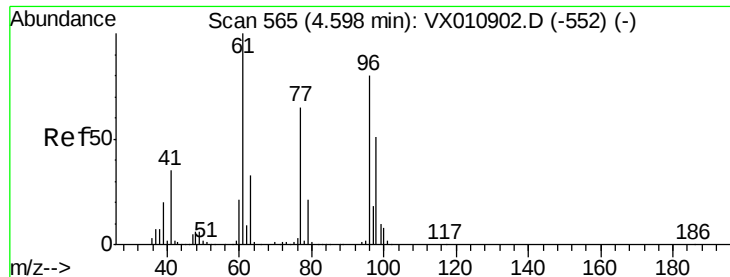
77 100

97 24.8 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0



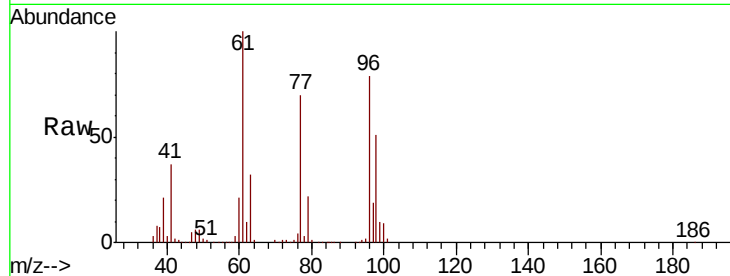


#27

cis-1,2-Dichloroethene
 Concen: 53.186 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	269.0
98	65.5	0.0	131.4

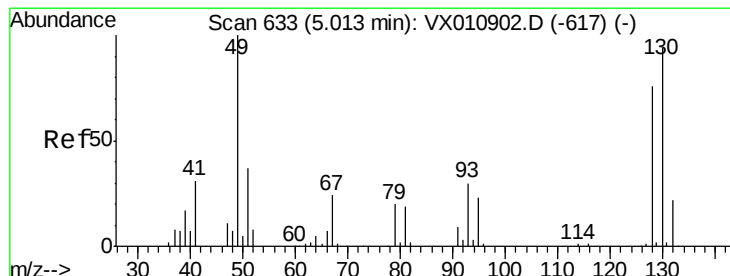
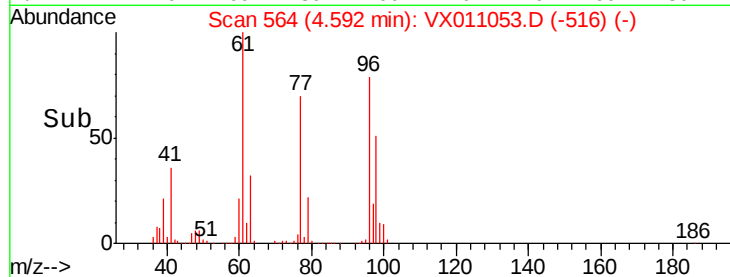
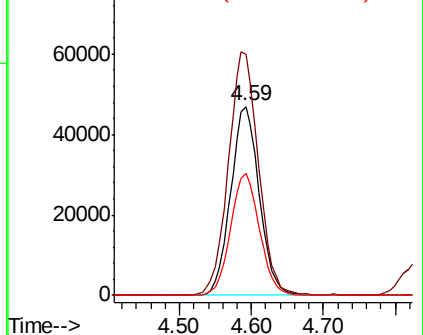


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

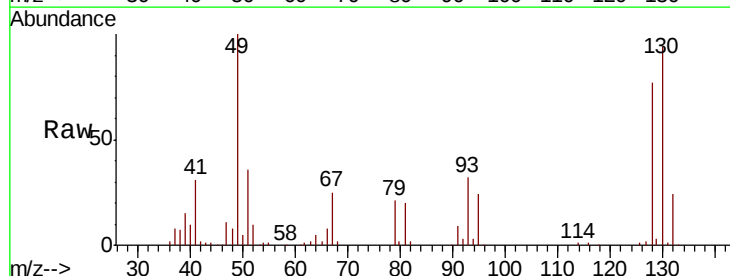
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 53.576 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	93.9	76.9	115.3

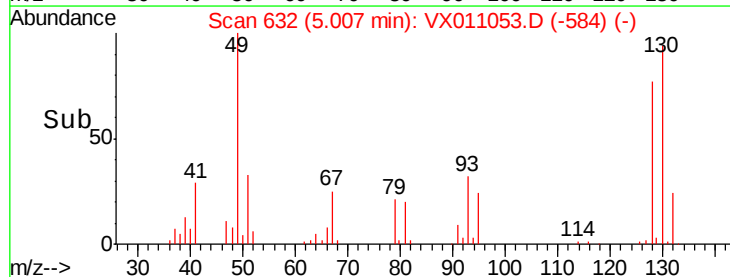
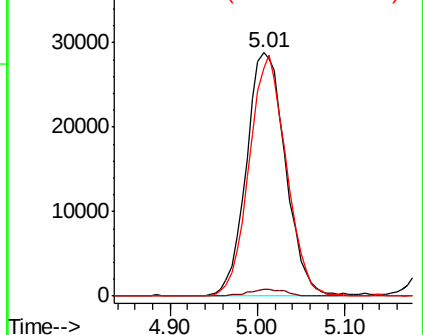


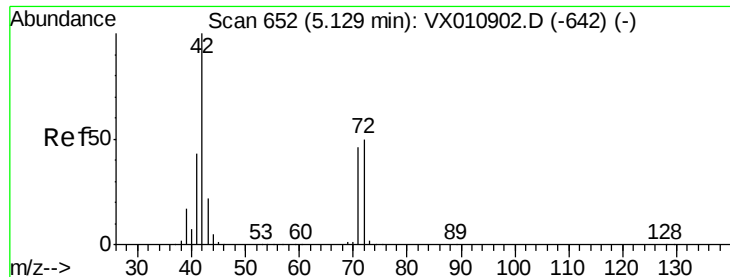
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 259.946 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampled :

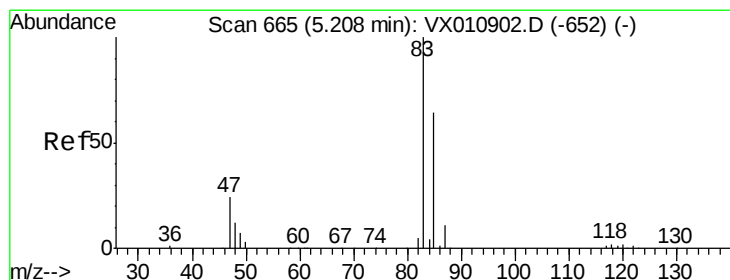
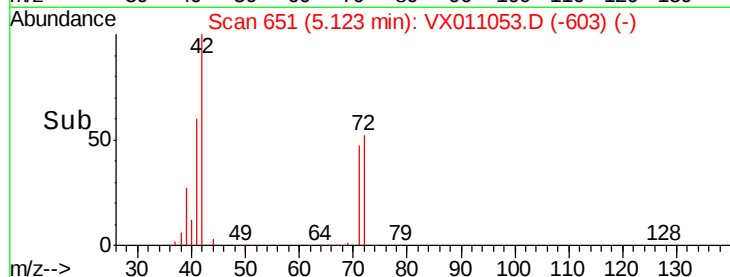
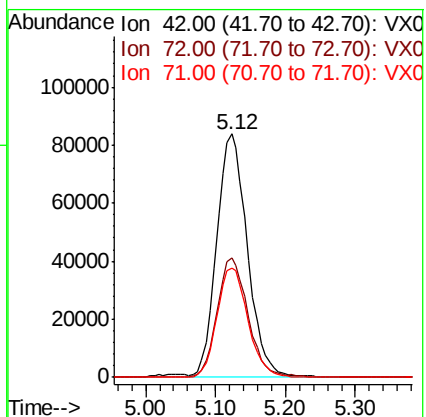
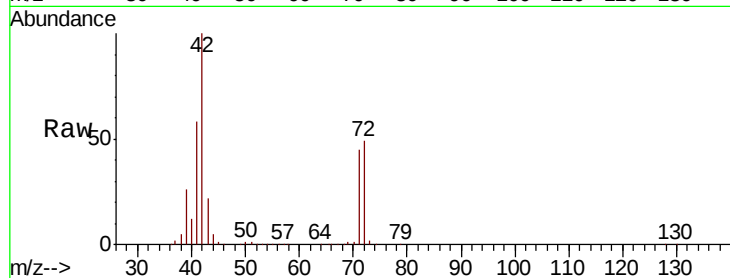
Tot Ion: 42 Resp: 253618

Ion Ratio Lower Upper

42 100

72 49.8 39.8 59.8

71 45.8 37.0 55.4



#30

Chloroform

Concen: 54.520 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX011053.D

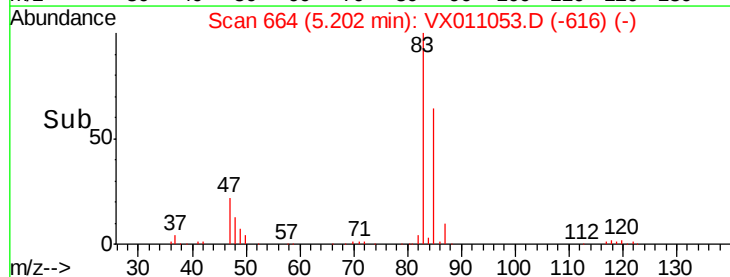
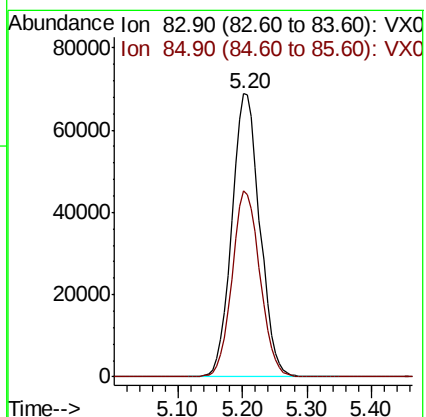
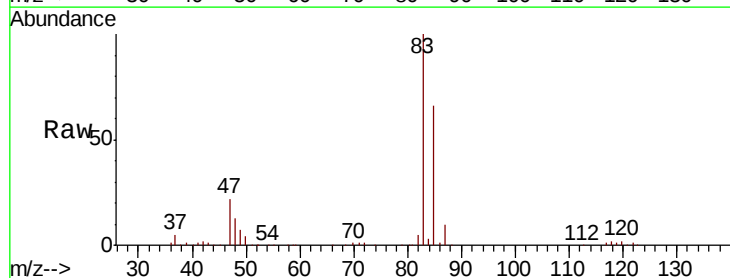
Acq: 23 Jul 2019 17:14

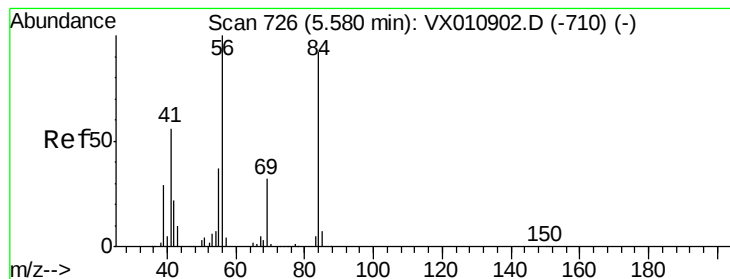
Tgt Ion: 83 Resp: 208547

Ion Ratio Lower Upper

83 100

85 65.7 51.4 77.0





#31

Cyclohexane

Concen: 52.149 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampled :

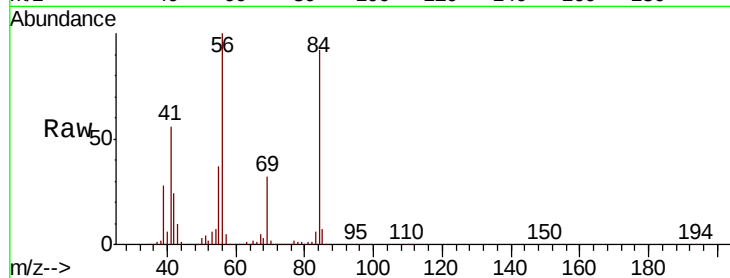
Tot Ion: 56 Resp: 168215

Ion Ratio Lower Upper

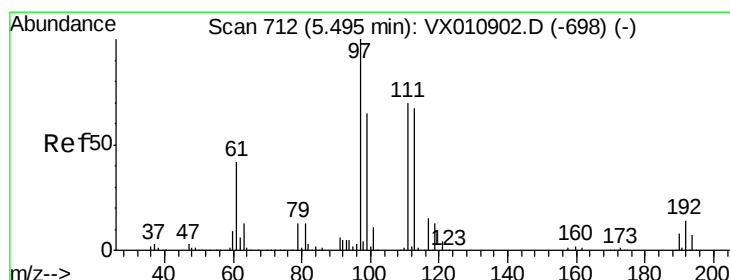
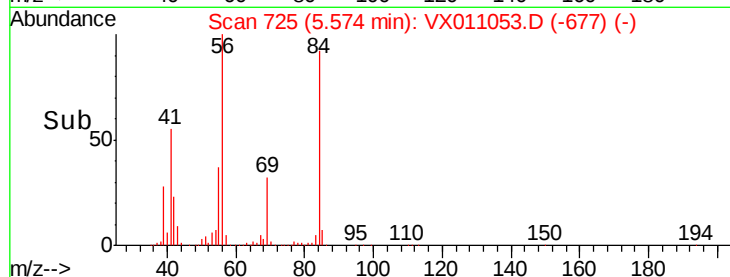
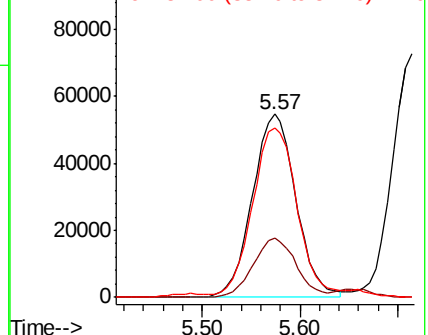
56 100

69 32.2 25.8 38.8

84 90.4 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 56.092 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

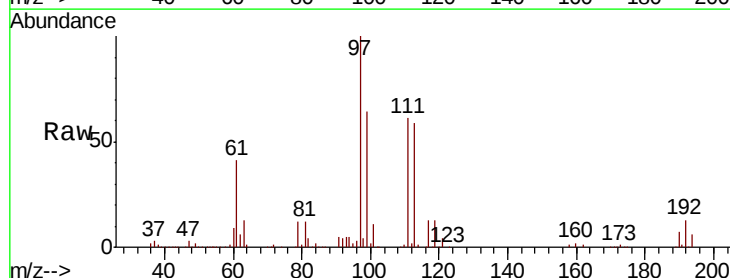
Tgt Ion: 97 Resp: 185627

Ion Ratio Lower Upper

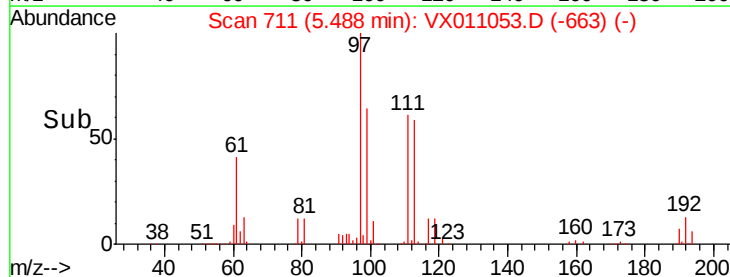
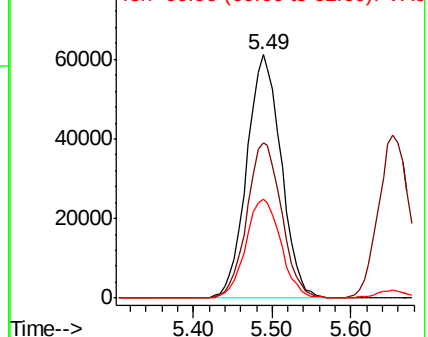
97 100

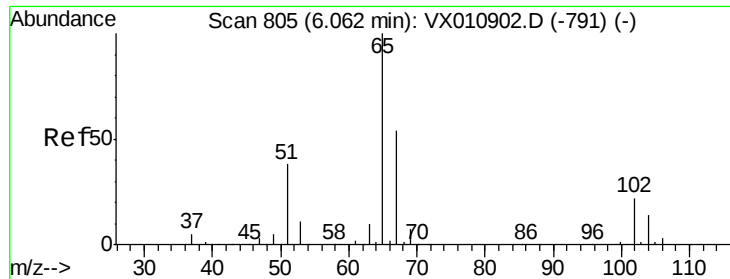
99 64.1 51.4 77.0

61 41.4 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

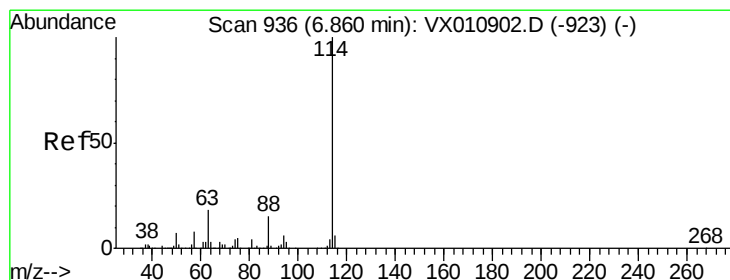
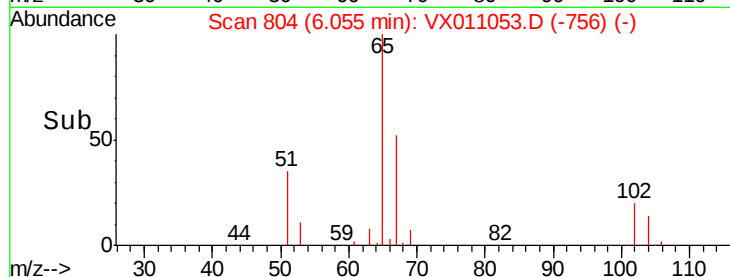
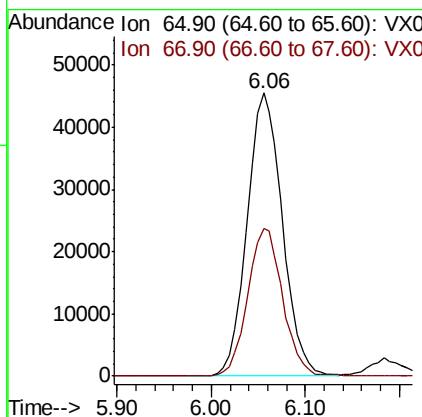
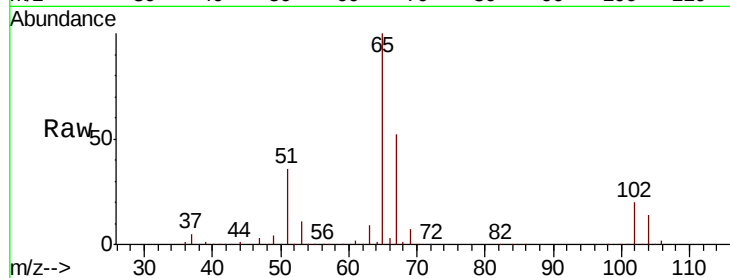




#33
 1,2-Dichloroethane-d4
 Concen: 50.240 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

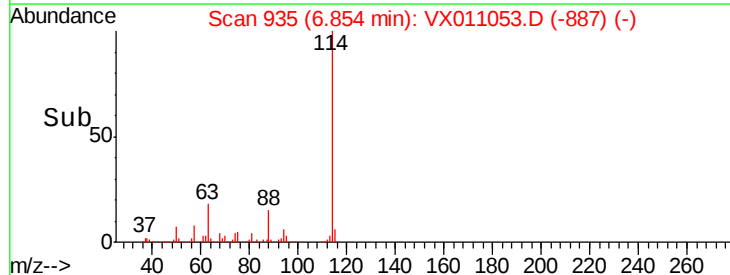
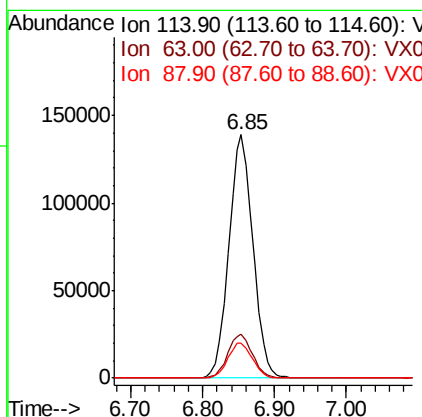
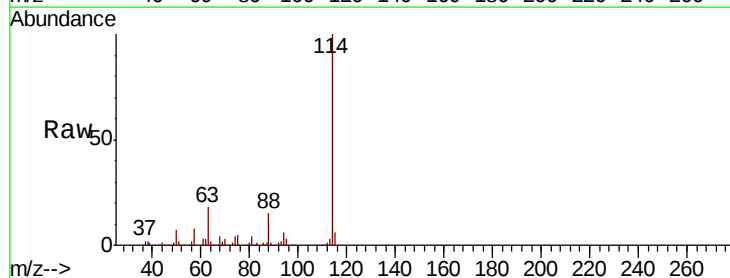
Instrument :
 MSVOA_X
 ClientSampled :

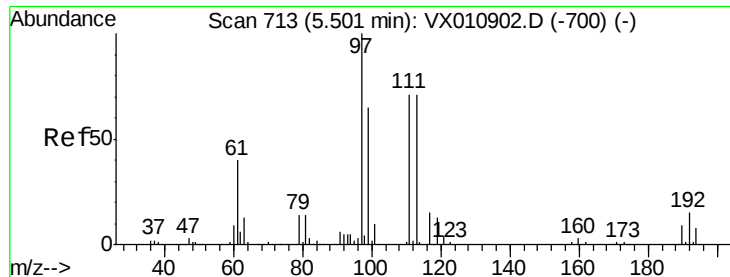
Tot Ion: 65 Resp: 119354
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion: 114 Resp: 322762
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.6
 88 14.6 0.0 29.8

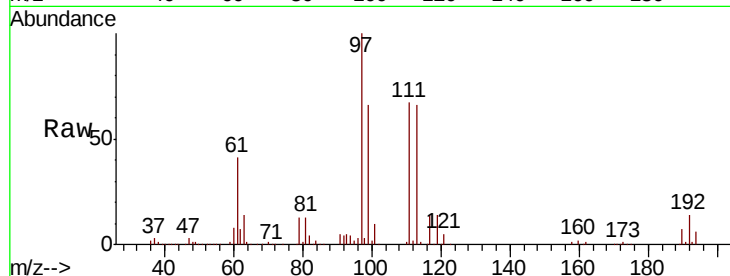




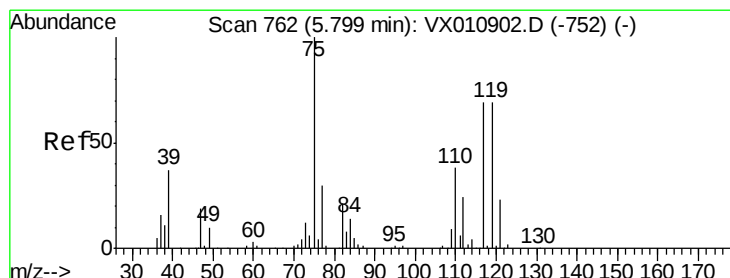
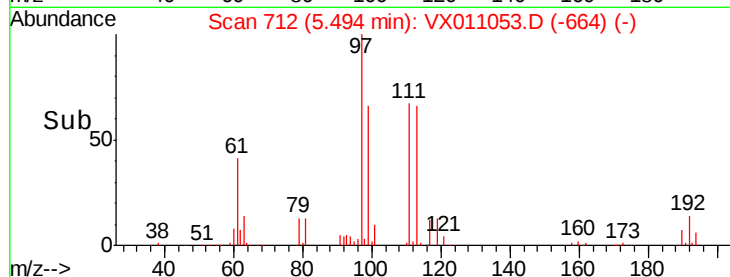
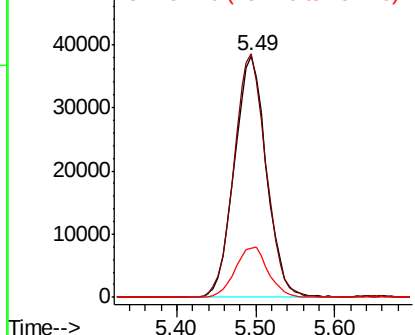
#35
 Dibromofluoromethane
 Concen: 52.608 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 107774
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.3 123.5
 192 21.6 17.4 26.2

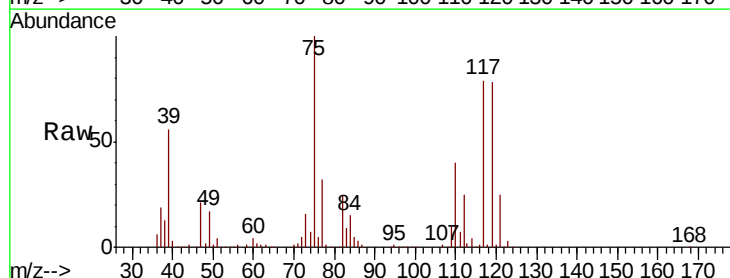


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

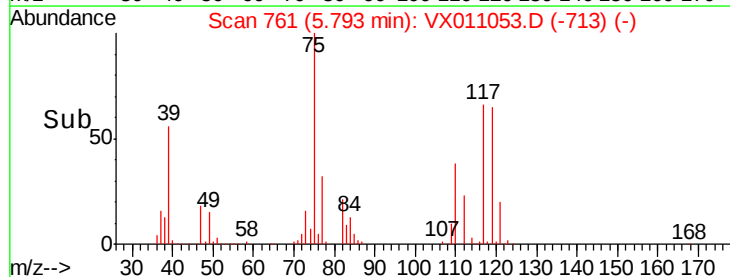
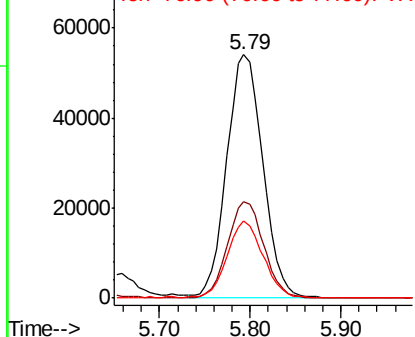


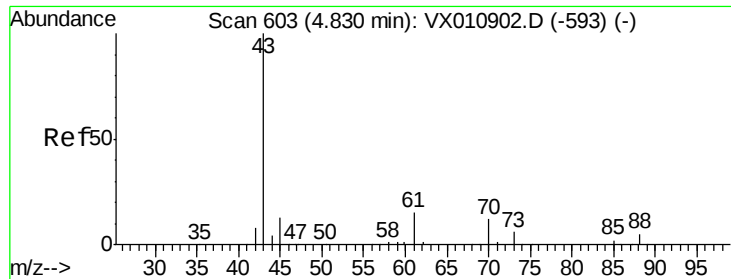
#36
 1,1-Dichloropropene
 Concen: 56.340 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion: 75 Resp: 149369
 Ion Ratio Lower Upper
 75 100
 110 39.7 19.9 59.7
 77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 56.332 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

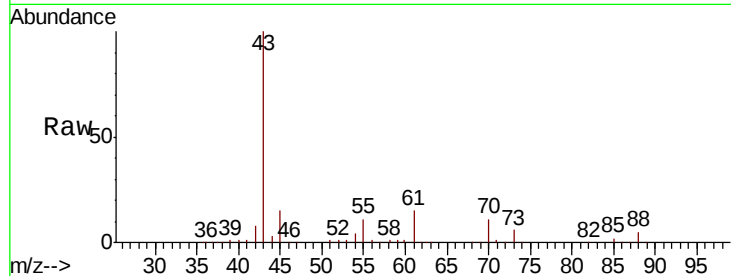
Tot Ion: 43 Resp: 152927

Ion Ratio Lower Upper

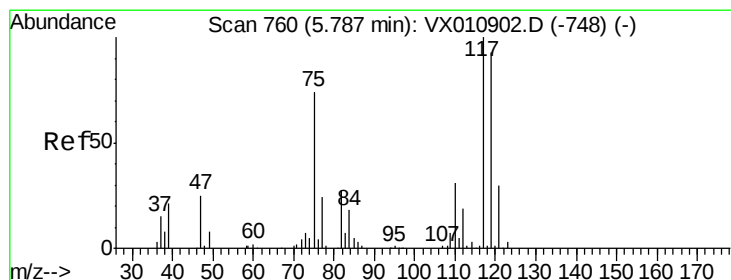
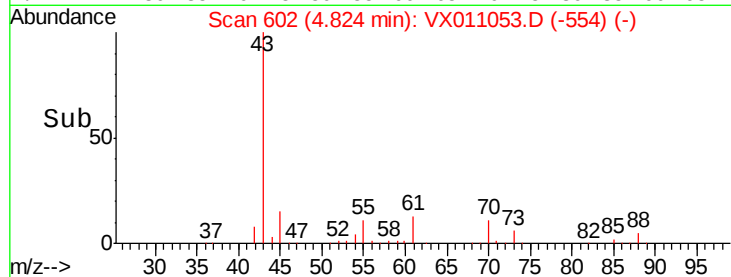
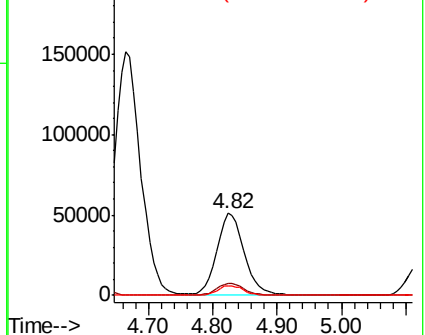
43 100

61 14.3 11.6 17.4

70 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 59.564 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

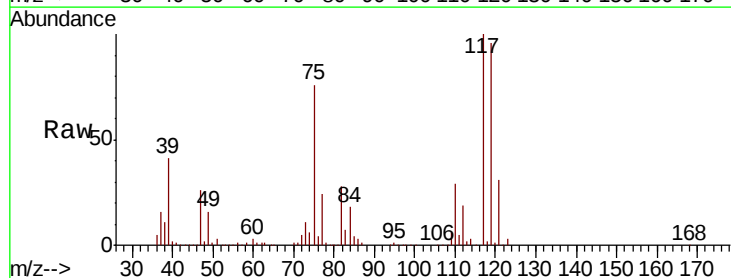
Tgt Ion: 117 Resp: 164555

Ion Ratio Lower Upper

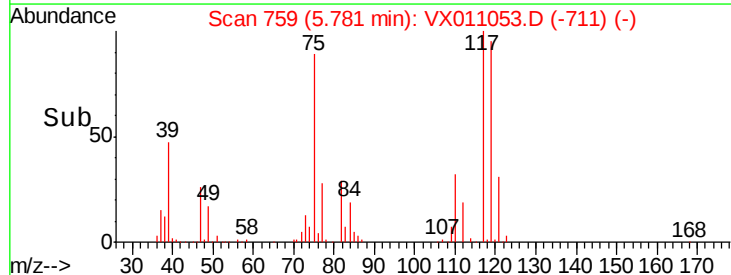
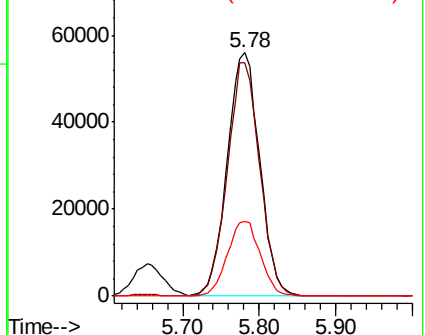
117 100

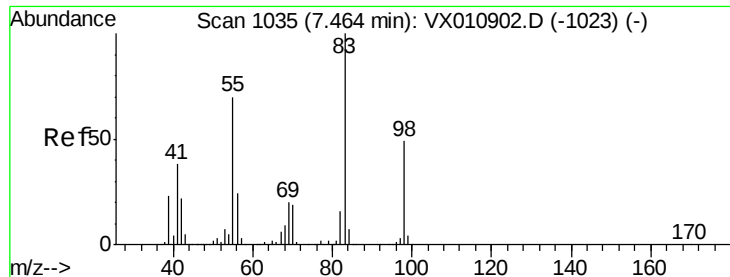
119 96.0 74.2 111.2

121 30.6 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

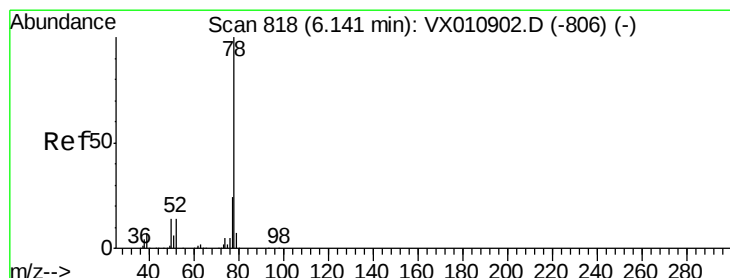
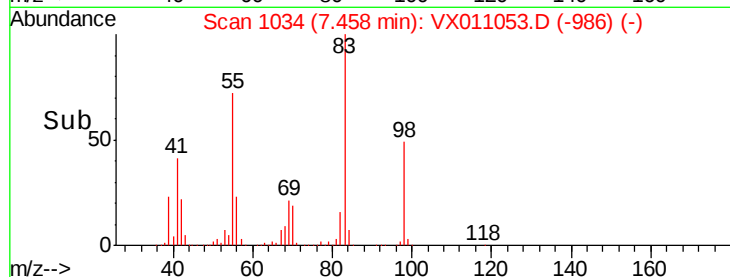
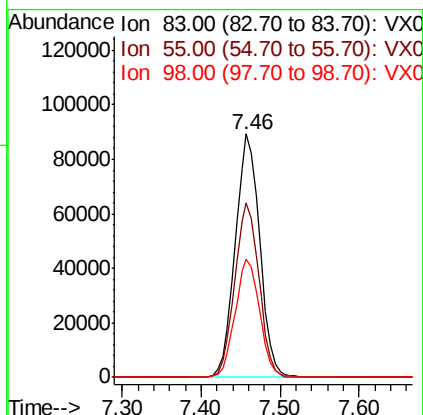
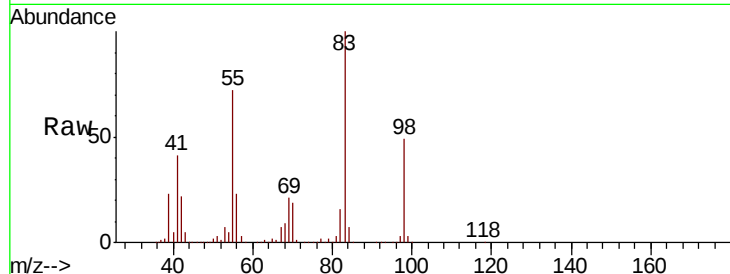




#39
Methvlcvclohexane
Concen: 56.046 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

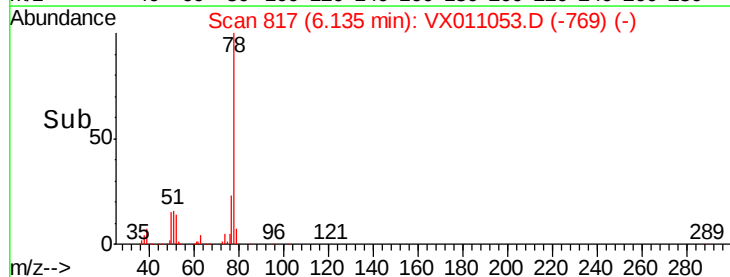
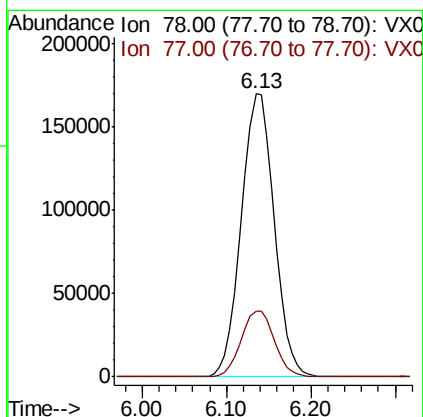
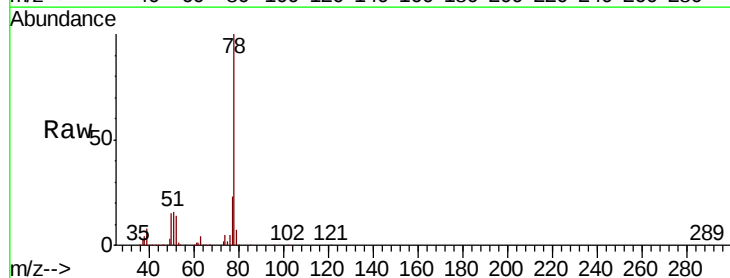
Instrument :
MSVOA_X
ClientSampled :

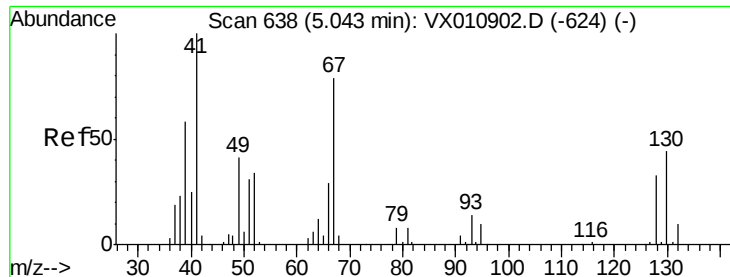
Tot Ion: 83 Resp: 192692
Ion Ratio Lower Upper
83 100
55 71.6 56.2 84.4
98 48.7 39.0 58.4



#40
Benzene
Concen: 55.378 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 78 Resp: 449734
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 54.844 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 84520

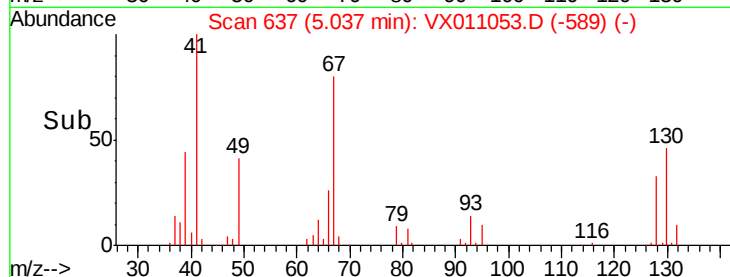
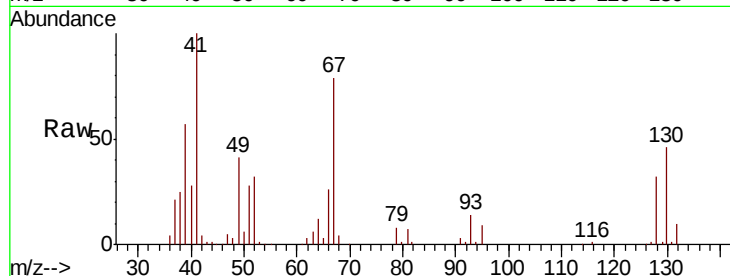
Ion Ratio Lower Upper

41 100

39 56.0 45.4 68.2

67 78.5 65.9 98.9

52 31.4 26.2 39.2

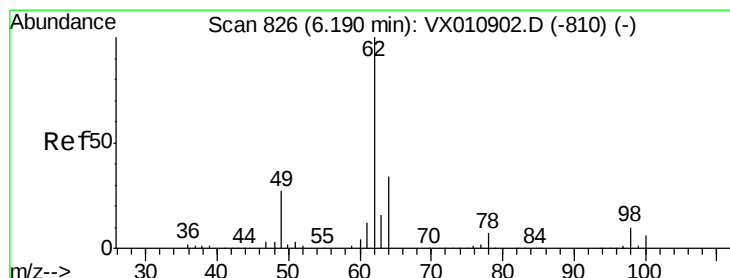
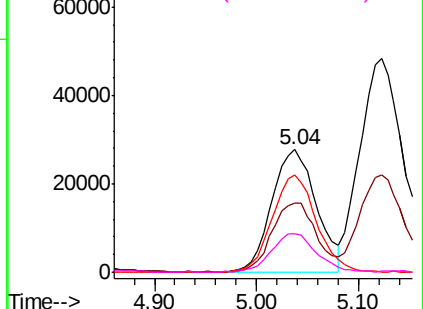


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 56.972 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011053.D

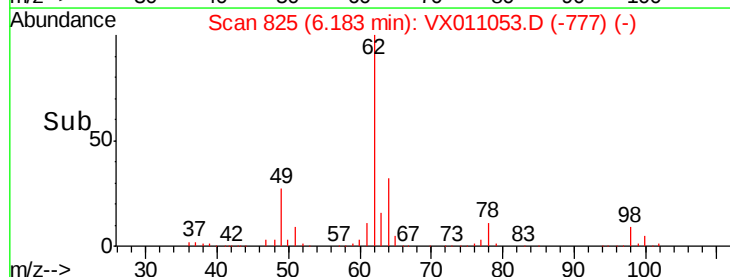
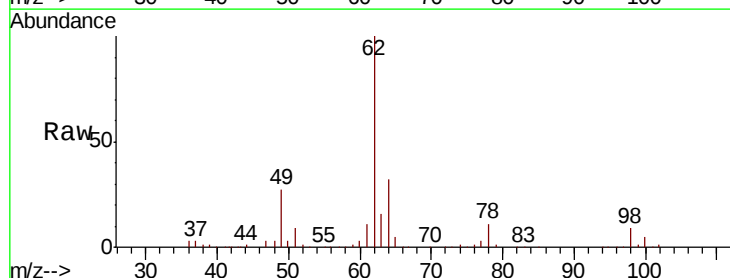
Acq: 23 Jul 2019 17:14

Tgt Ion: 62 Resp: 160873

Ion Ratio Lower Upper

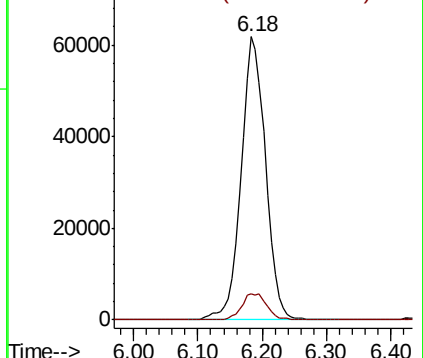
62 100

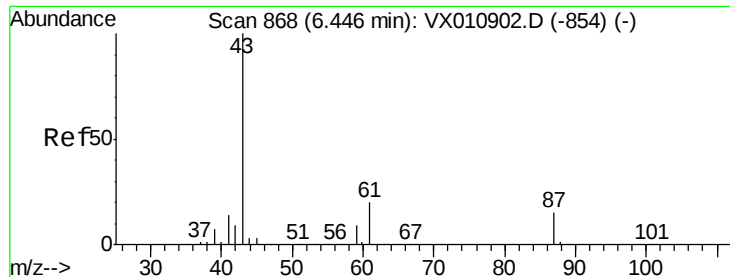
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



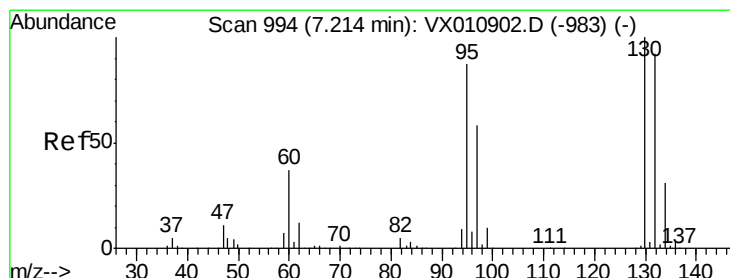
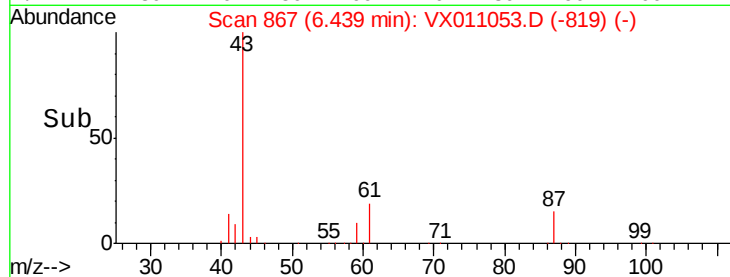
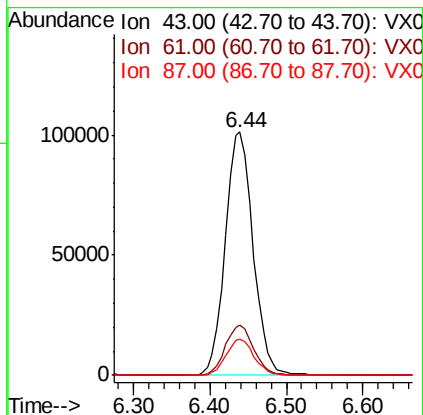
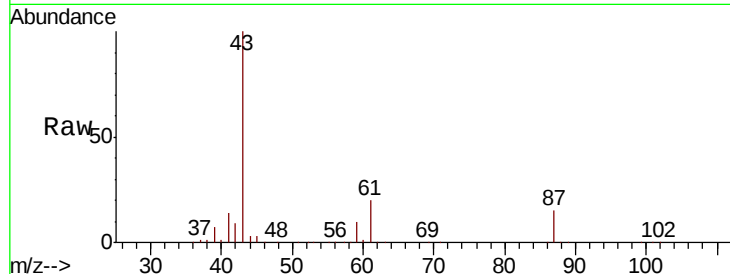


#43

Isopropyl Acetate
 Concen: 56.814 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampled :

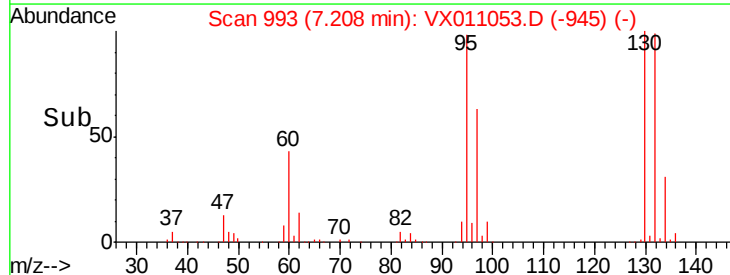
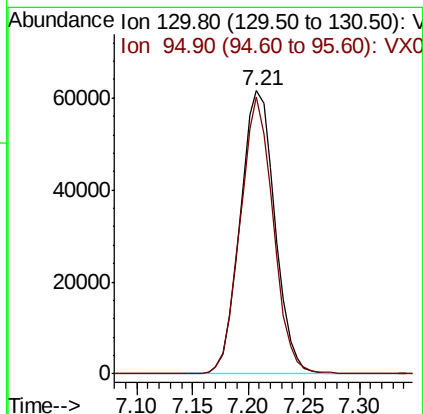
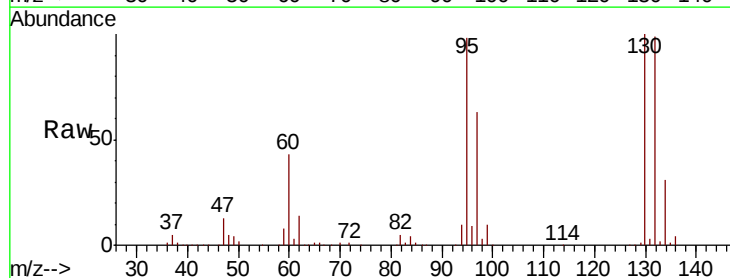
Tot Ion: 43 Resp: 253610
 Ion Ratio Lower Upper
 43 100
 61 21.1 17.1 25.7
 87 15.0 12.0 18.0

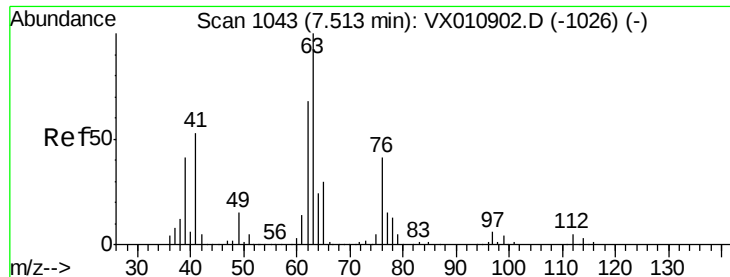


#44

Trichloroethene
 Concen: 55.542 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion:130 Resp: 133517
 Ion Ratio Lower Upper
 130 100
 95 98.0 0.0 174.8





#45

1,2-Dichloropropane

Concen: 56.125 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

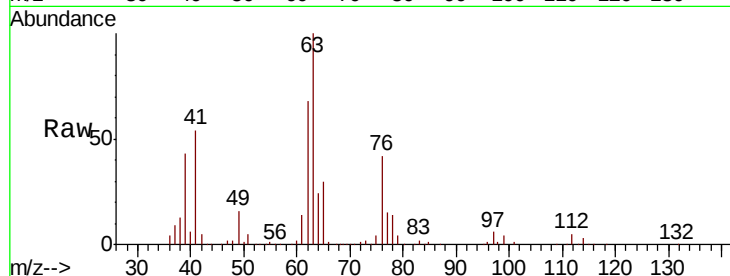
ClientSampled :

Tot Ion: 63 Resp: 116011

Ion Ratio Lower Upper

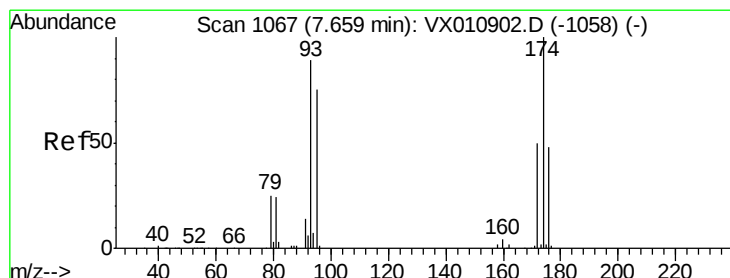
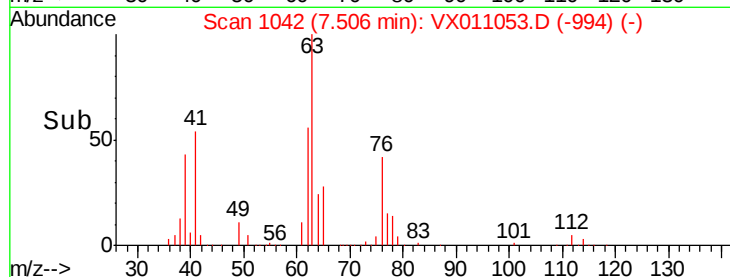
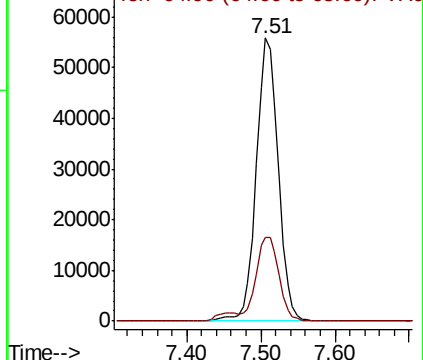
63 100

65 29.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 56.757 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

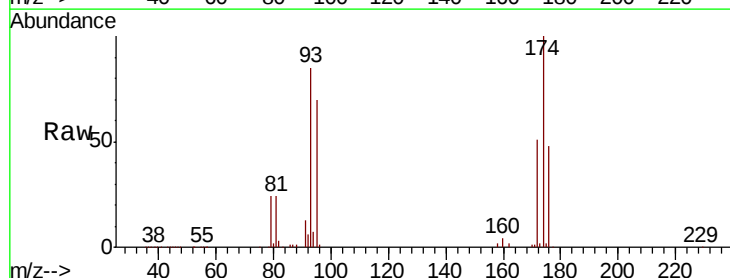
Tgt Ion: 93 Resp: 83830

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

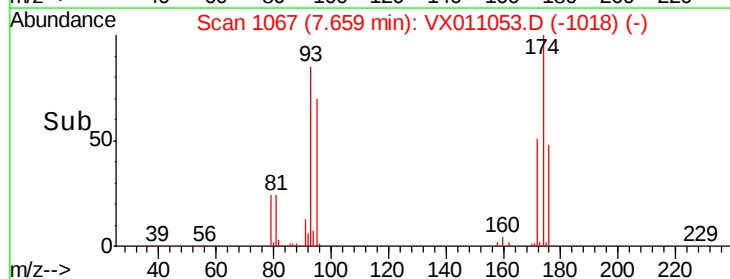
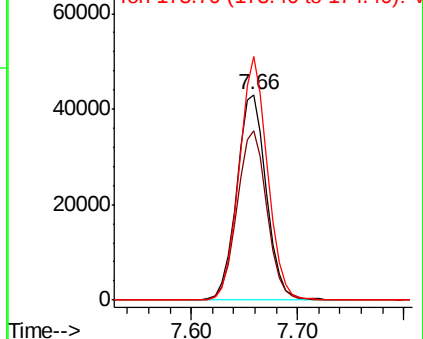
174 113.3 90.6 135.8

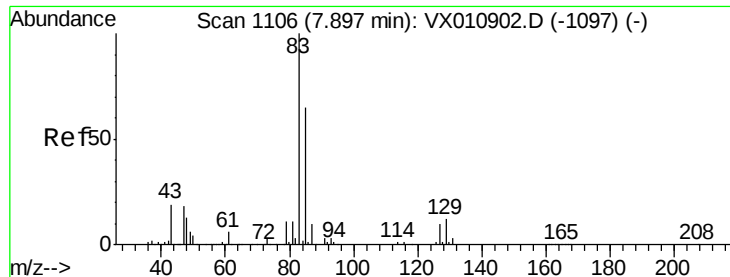


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 60.455 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampled :

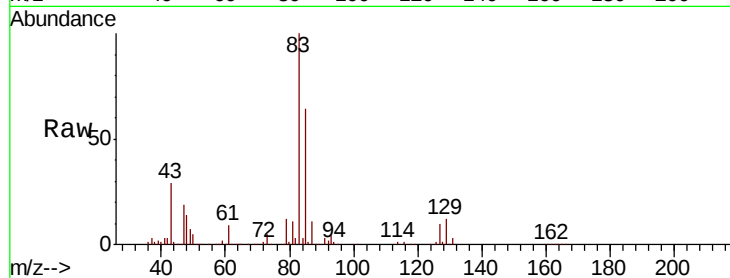
Tot Ion: 83 Resp: 158947

Ion Ratio Lower Upper

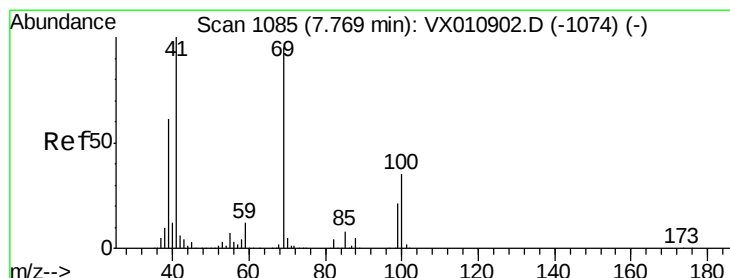
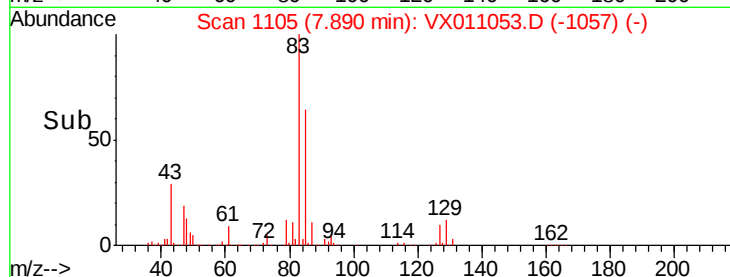
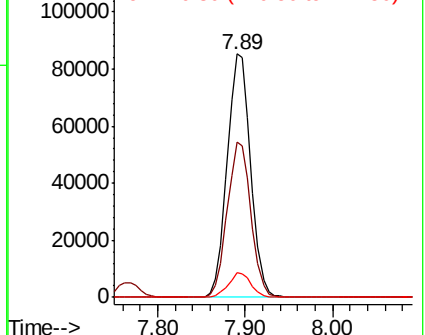
83 100

85 63.5 52.5 78.7

127 9.9 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.062 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

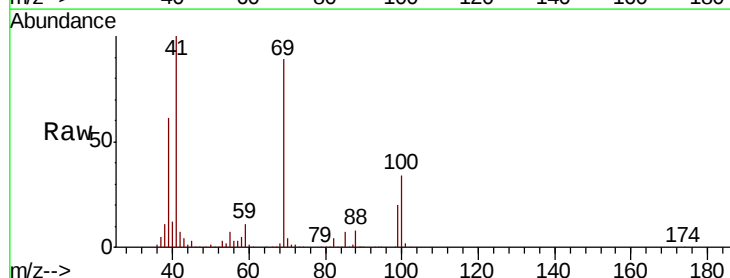
Tgt Ion: 41 Resp: 124085

Ion Ratio Lower Upper

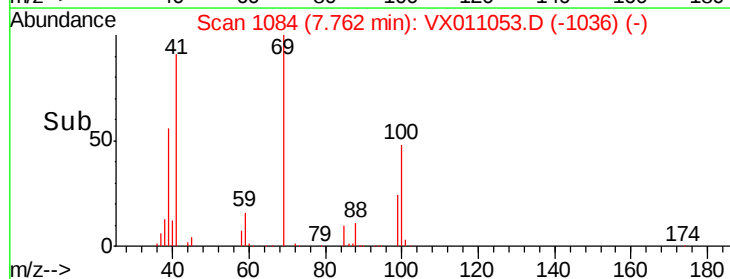
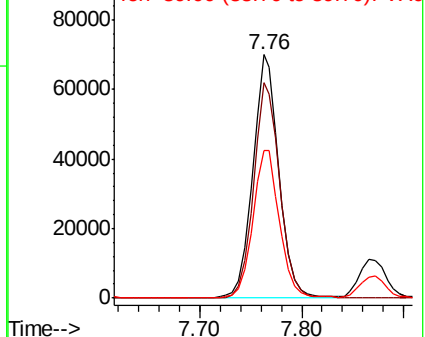
41 100

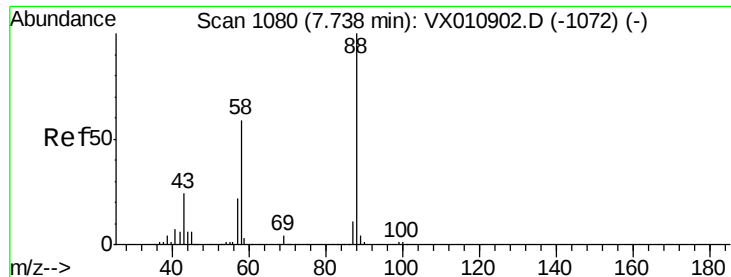
69 89.3 74.4 111.6

39 62.0 48.9 73.3



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

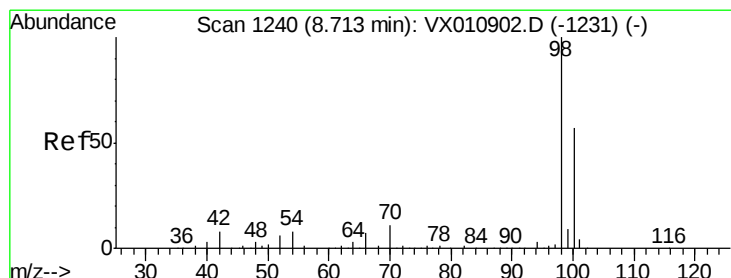
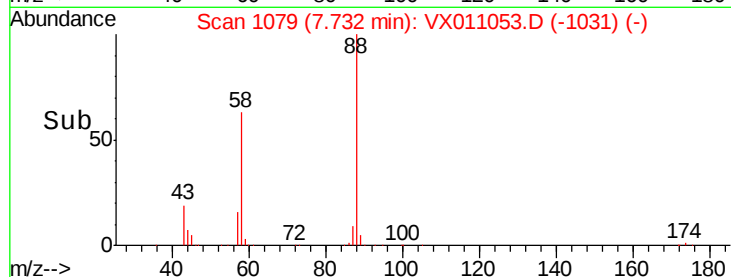
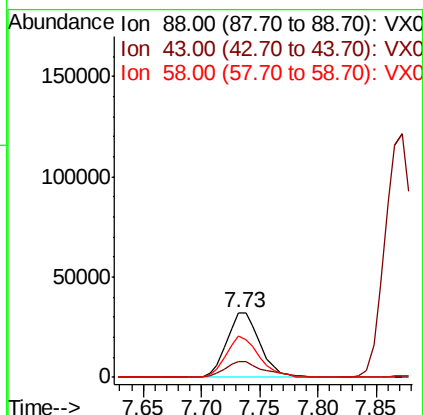
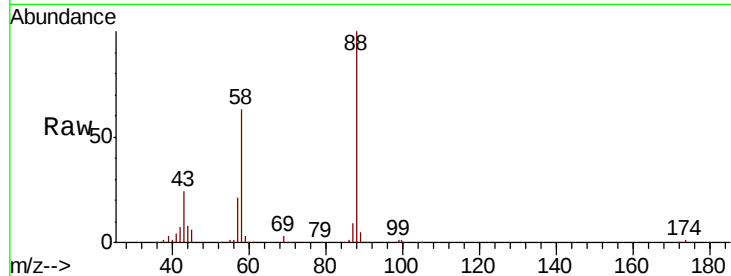




#49
 1,4-Dioxane
 Concen: 1052.724 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

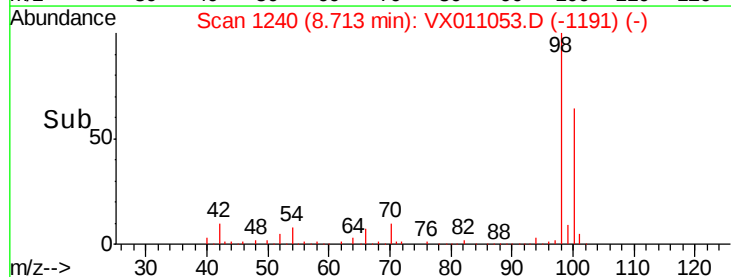
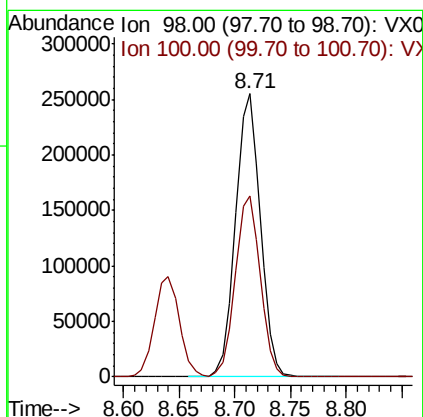
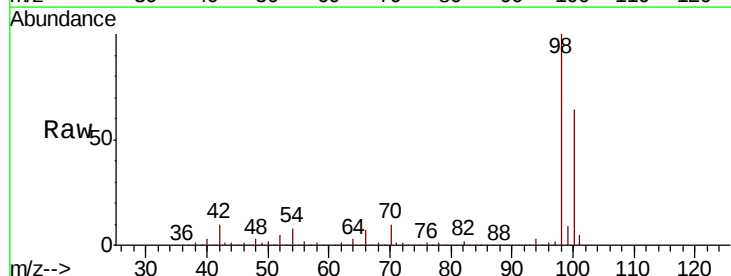
Instrument :
 MSVOA_X
 ClientSampleId :

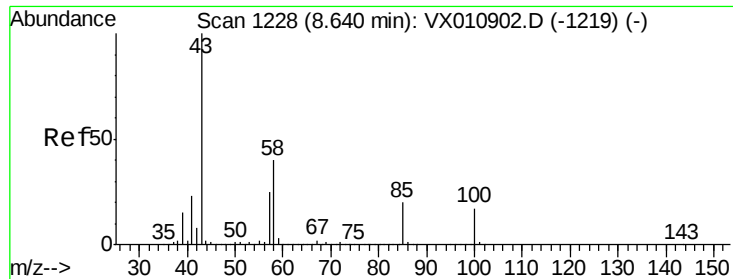
Tot Ion: 88 Resp: 64035
 Ion Ratio Lower Upper
 88 100
 43 28.7 22.9 34.3
 58 63.6 49.8 74.8



#50
 Toluene-d8
 Concen: 51.204 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion: 98 Resp: 393433
 Ion Ratio Lower Upper
 98 100
 100 64.6 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 286.504 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

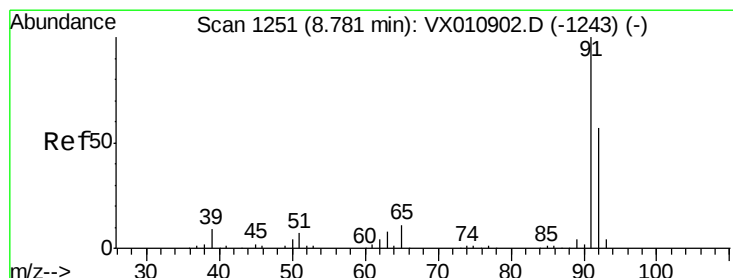
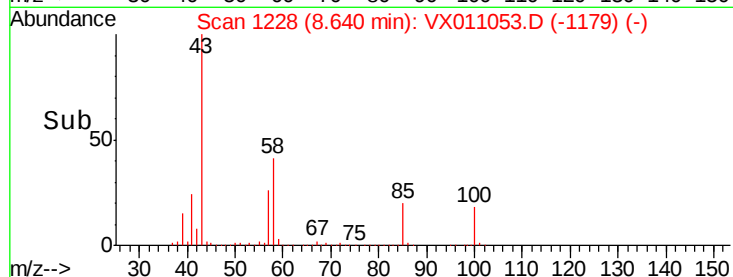
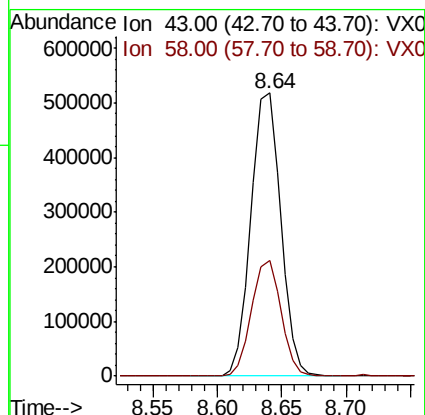
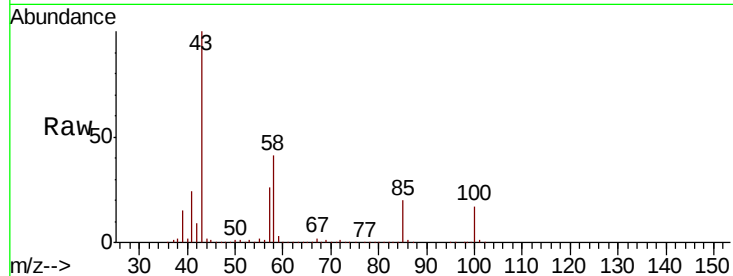
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 829041

Ion Ratio Lower Upper

43 100

58 40.4 32.2 48.4



#52

Toluene

Concen: 55.635 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011053.D

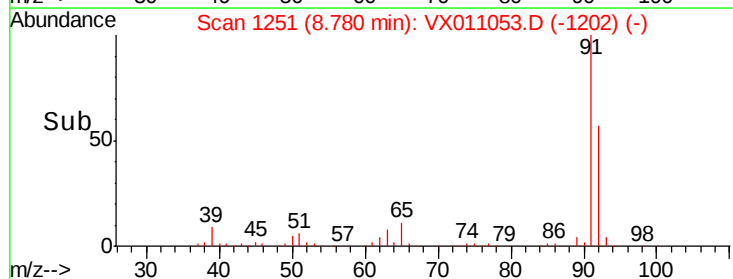
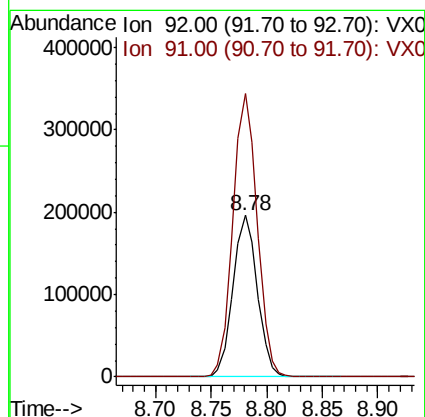
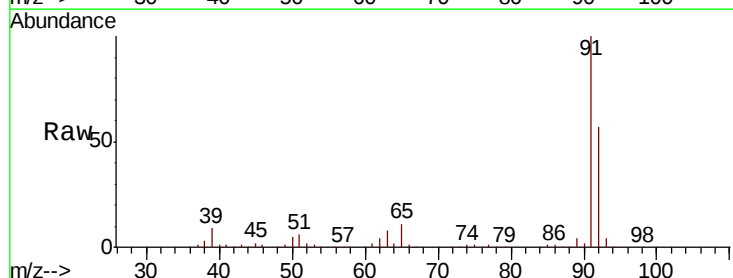
Acq: 23 Jul 2019 17:14

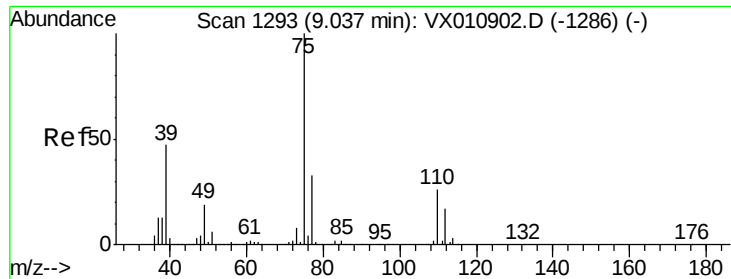
Tgt Ion: 92 Resp: 296812

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 61.811 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

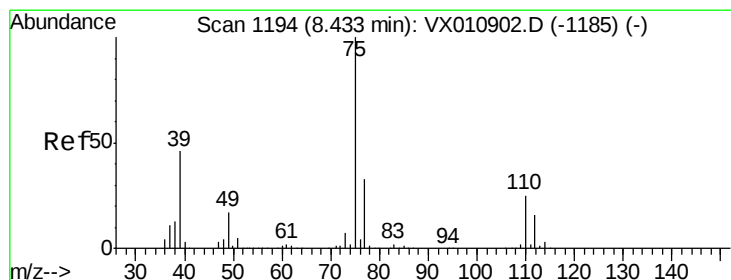
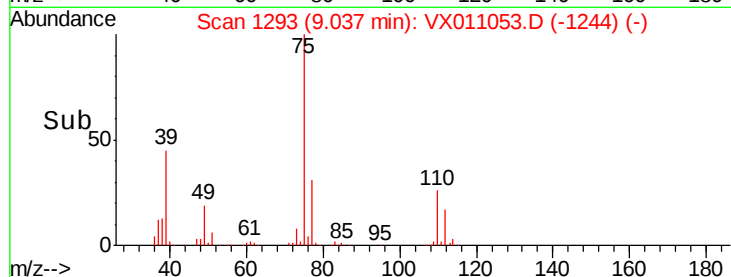
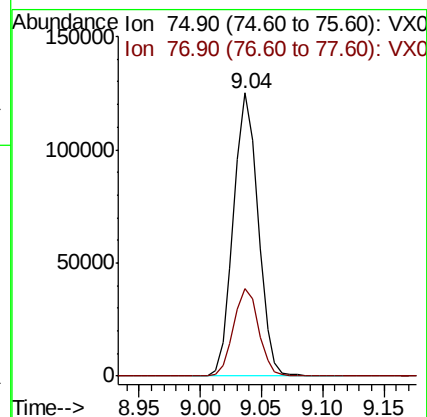
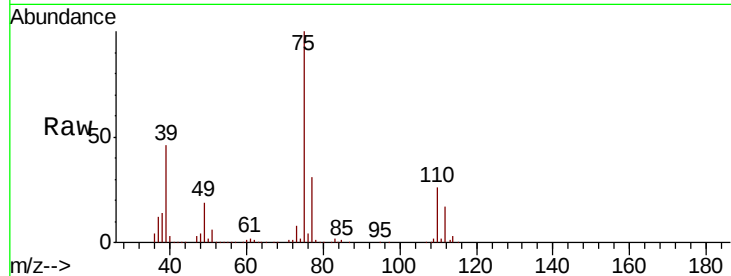
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 174743

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 60.427 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

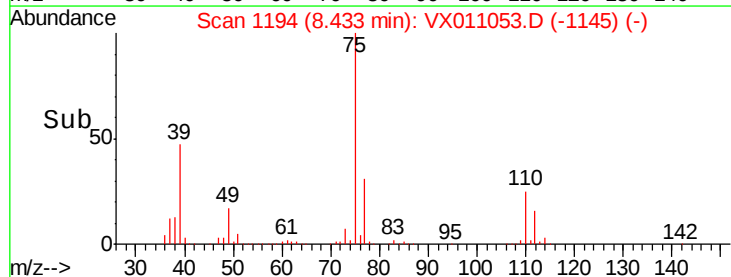
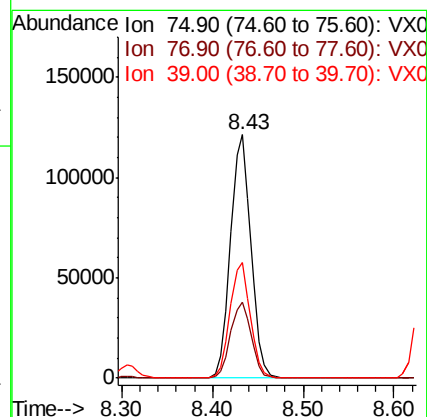
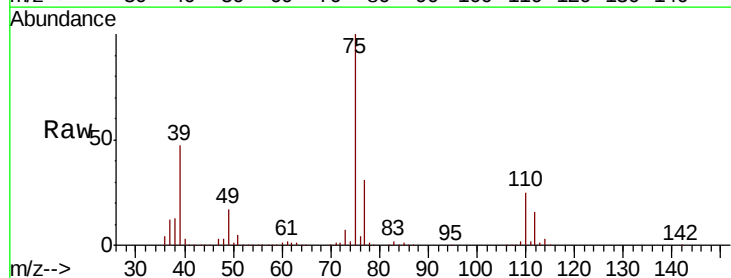
Tgt Ion: 75 Resp: 190088

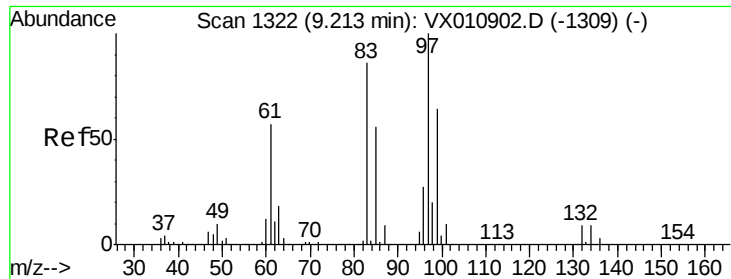
Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 47.3 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 57.077 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

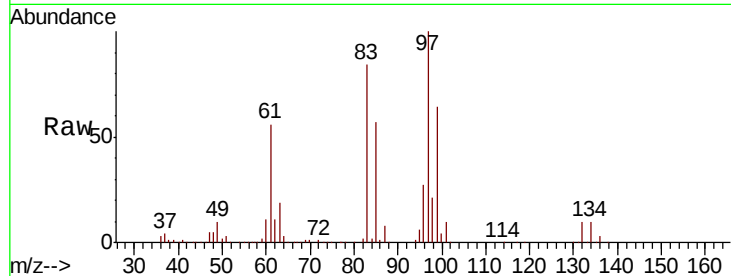
Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 125380

Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	57.2	44.6	66.8
99	63.6	51.2	76.8

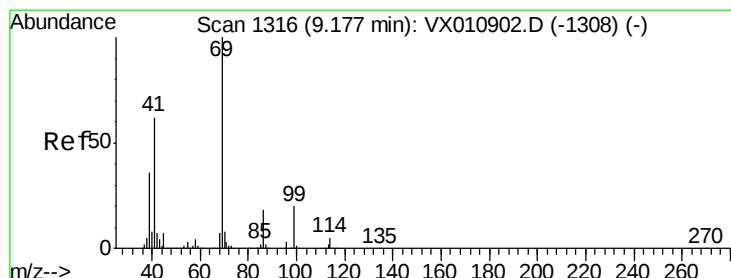
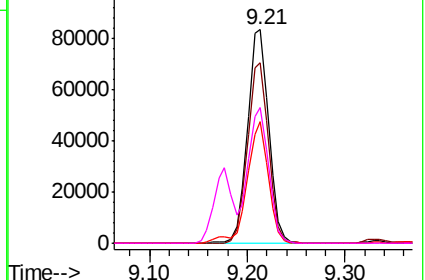
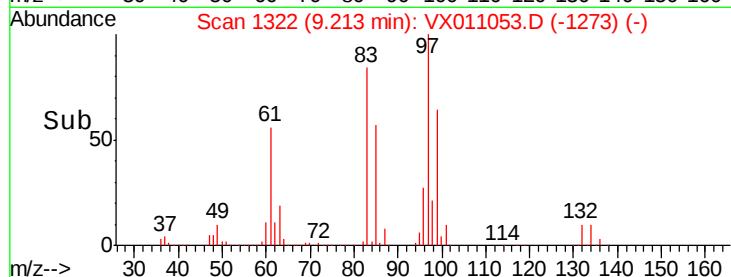


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 60.462 ug/l

RT: 9.17 min Scan# 1315

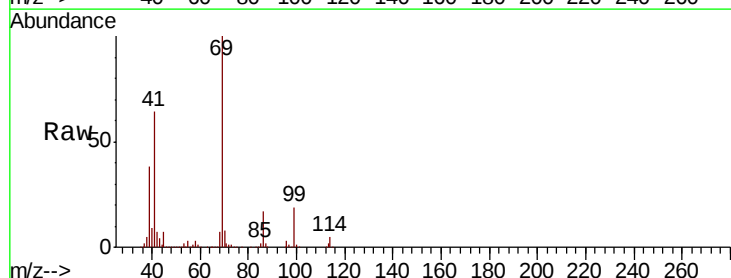
Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion: 69 Resp: 194278

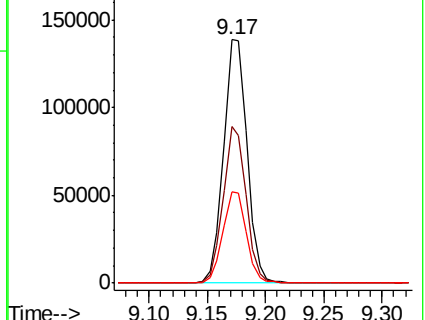
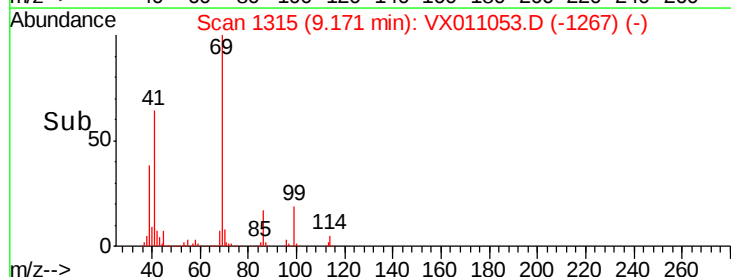
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	37.3	29.6	44.4

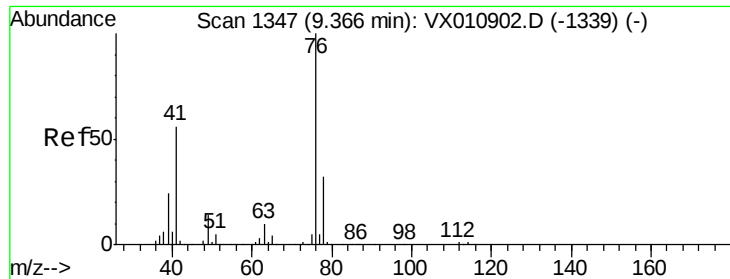


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 56.600 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

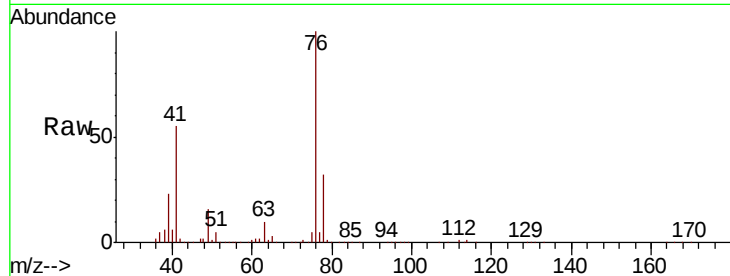
ClientSampleId :

Tot Ion: 76 Resp: 197235

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

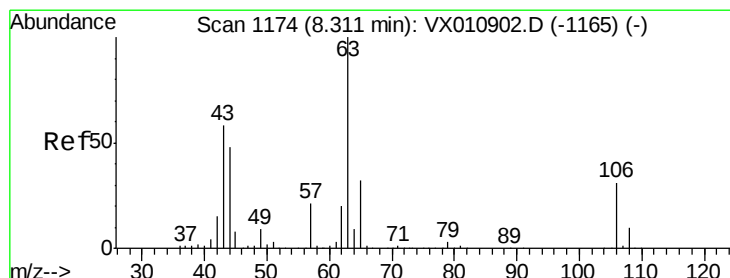
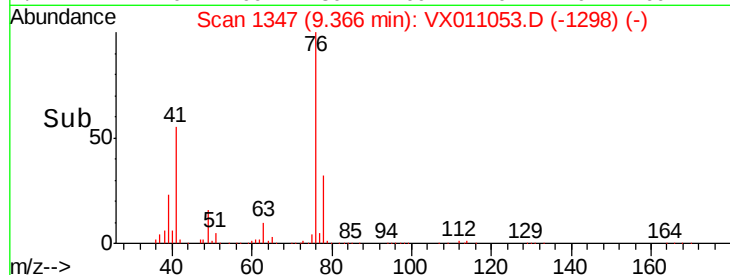
100000

50000

0

Time-->

9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 284.154 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011053.D

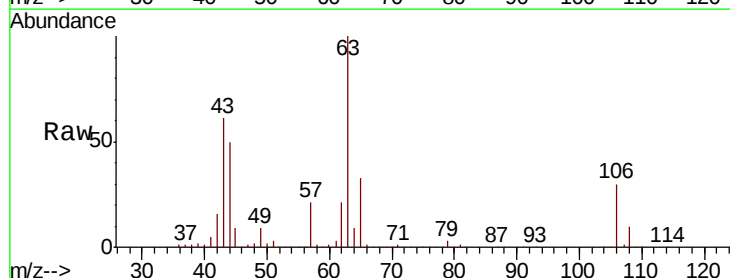
Acq: 23 Jul 2019 17:14

Tgt Ion: 63 Resp: 435853

Ion Ratio Lower Upper

63 100

106 30.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

300000

250000

200000

150000

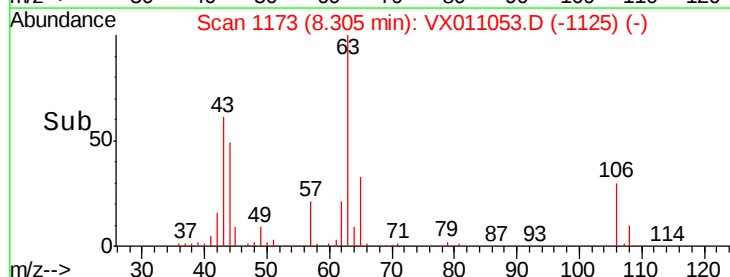
100000

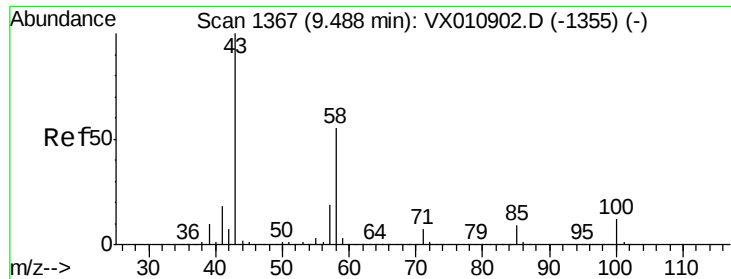
50000

0

Time-->

8.20 8.30 8.40

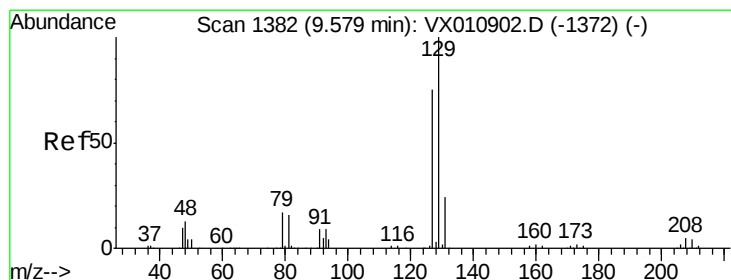
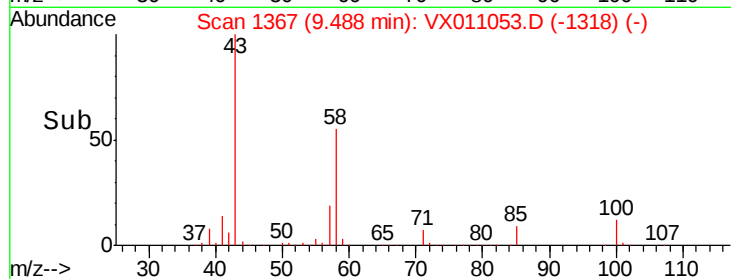
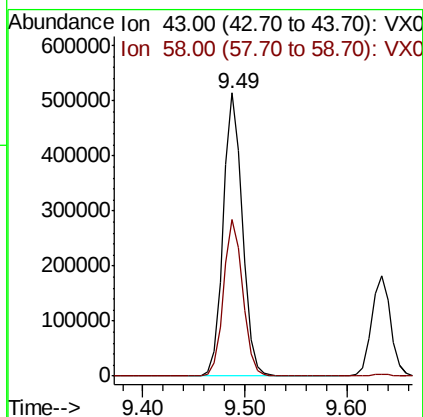
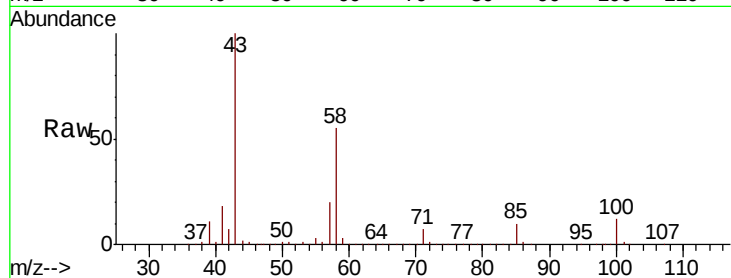




#59
2-Hexanone
Concen: 299.020 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

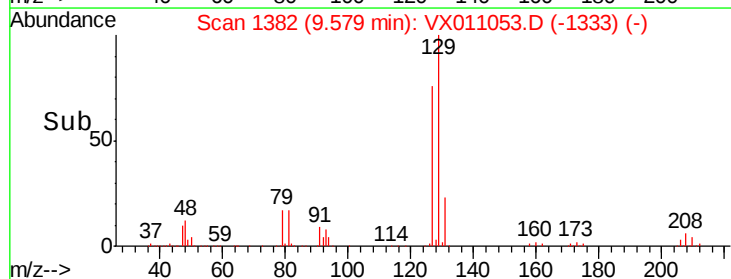
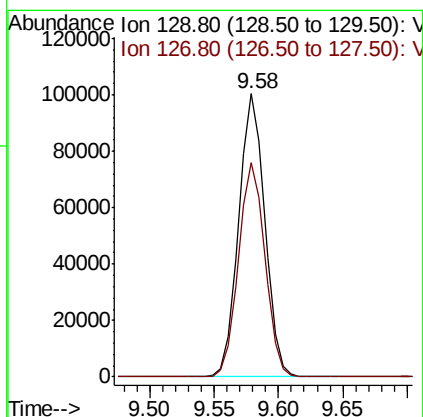
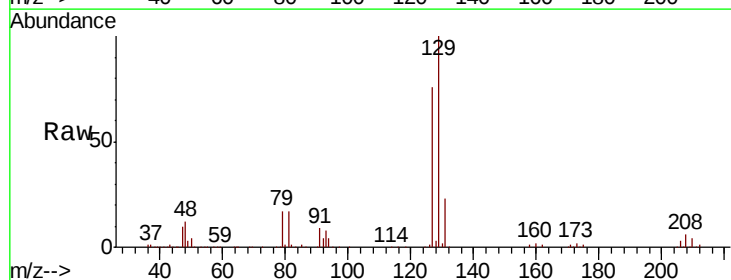
Instrument :
MSVOA_X
ClientSampled :

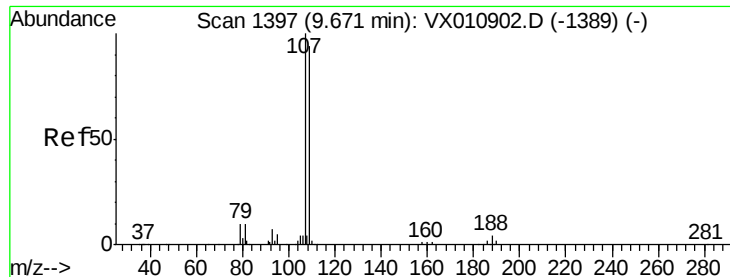
Tot Ion: 43 Resp: 671110
Ion Ratio Lower Upper
43 100
58 55.5 28.0 83.9



#60
Dibromochloromethane
Concen: 55.434 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion:129 Resp: 140875
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 58.402 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

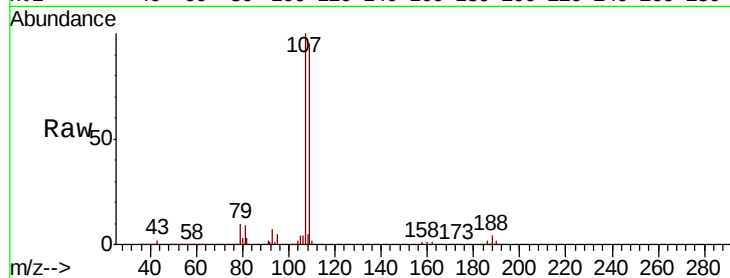
ClientSampleId :

Tot Ion:107 Resp: 136150

Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

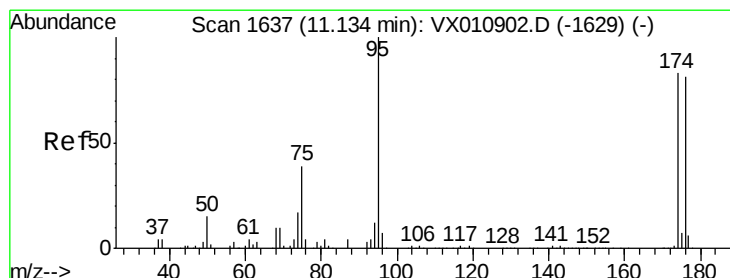
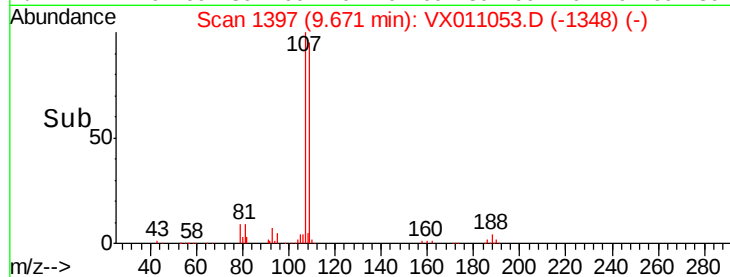
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.269 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

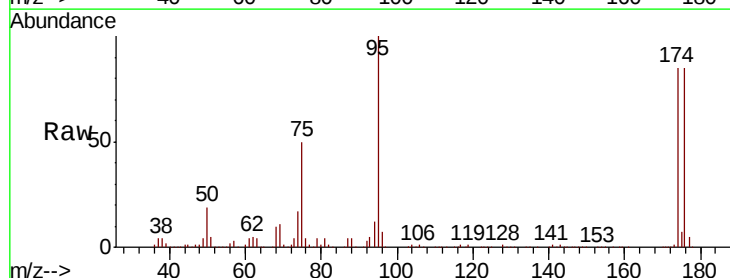
Tgt Ion: 95 Resp: 156095

Ion Ratio Lower Upper

95 100

174 89.0 0.0 180.6

176 86.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

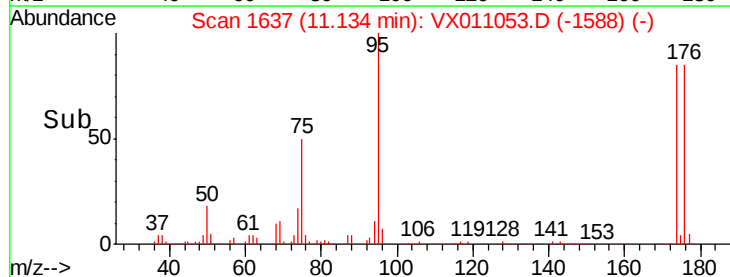
150000

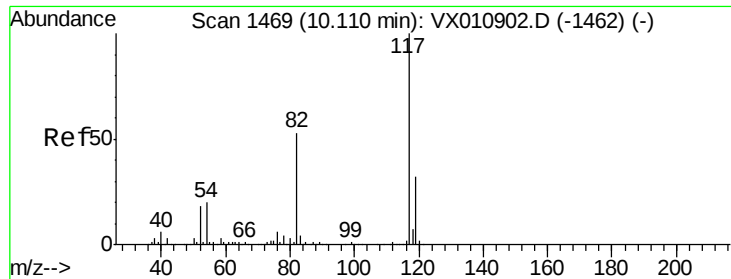
100000

50000

0

Time-->

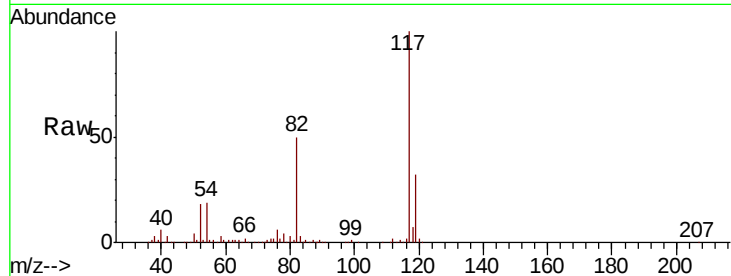




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.6	63.8
119	31.8	25.9	38.9

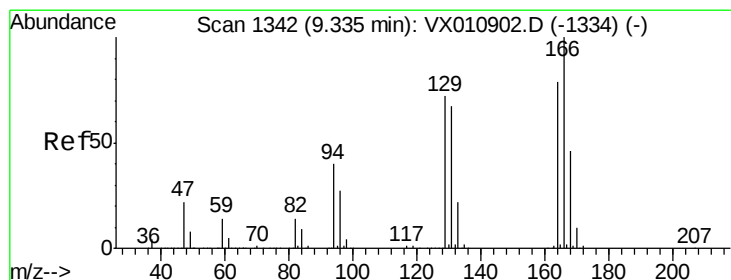
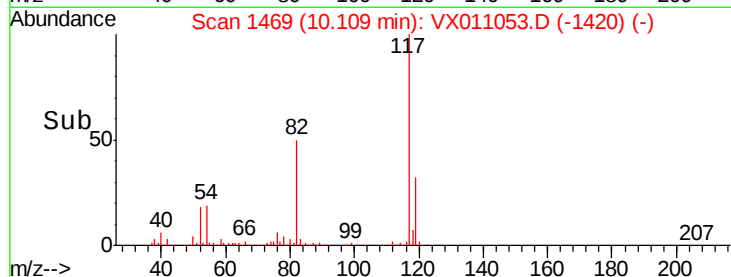
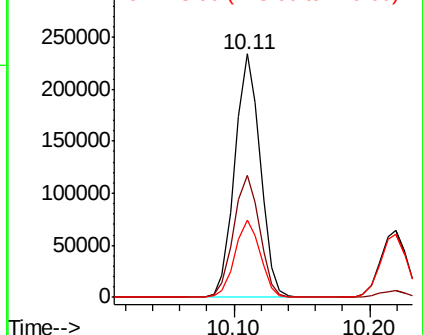


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 54.303 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.8	151.2
129	90.5	72.6	109.0
131	86.1	67.7	101.5

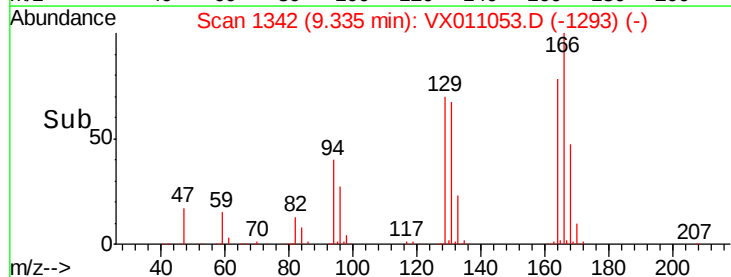
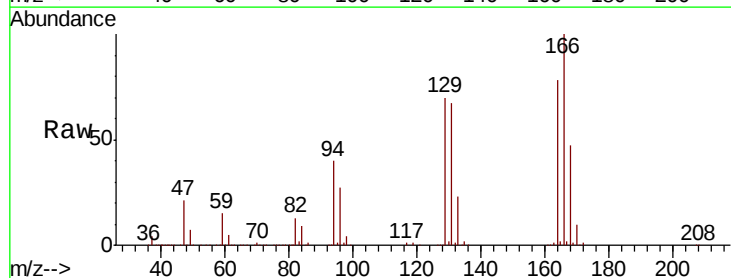
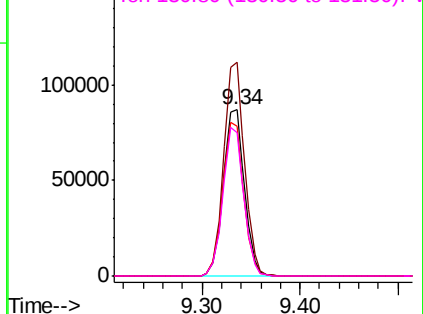
Abundance

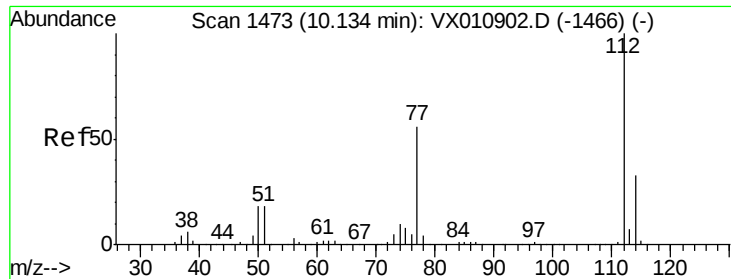
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

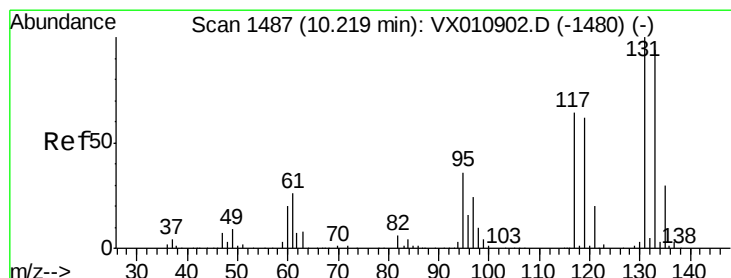
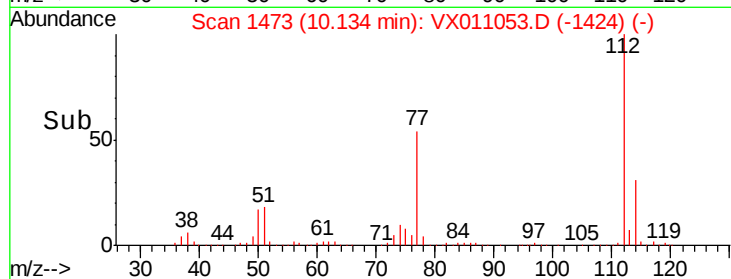
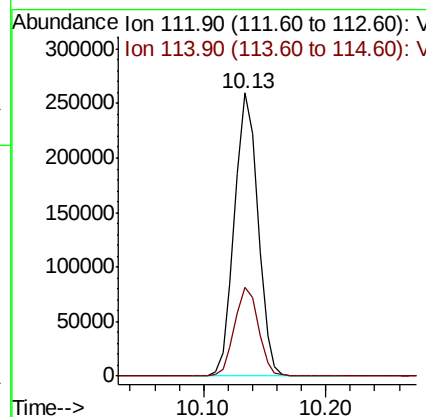
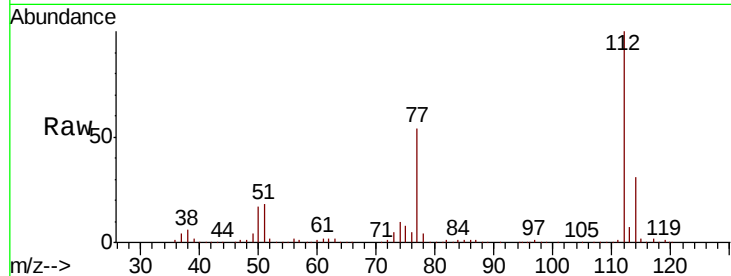




#65
Chlorobenzene
Concen: 55.113 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

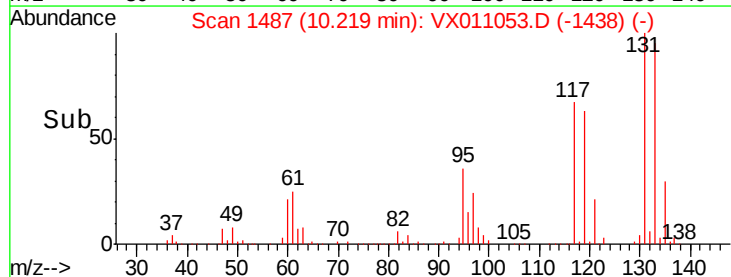
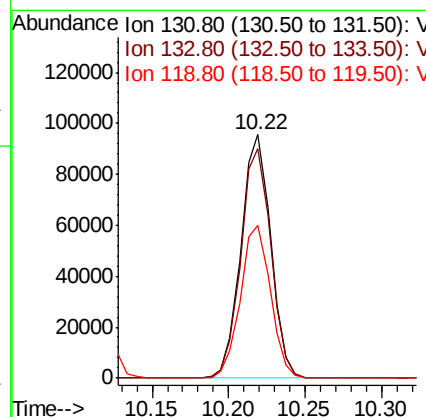
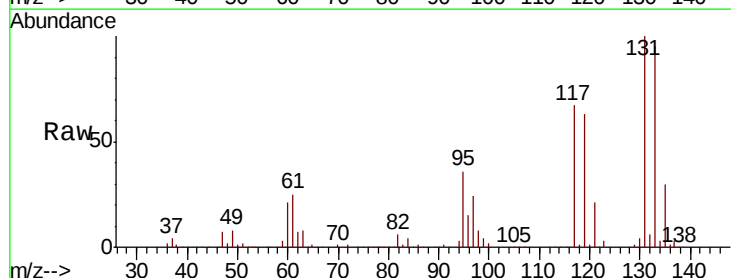
Instrument :
MSVOA_X
ClientSampled :

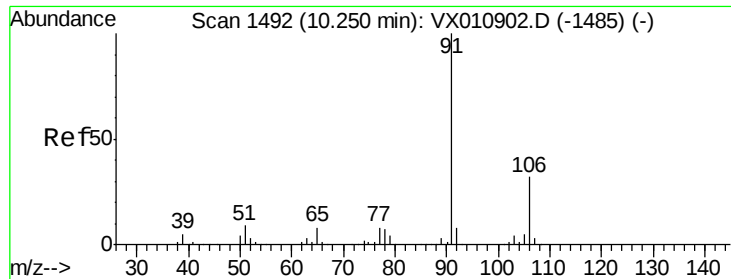
Tot Ion:112 Resp: 344760
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 58.506 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion:131 Resp: 128626
Ion Ratio Lower Upper
131 100
133 95.6 47.1 141.4
119 63.7 31.9 95.7

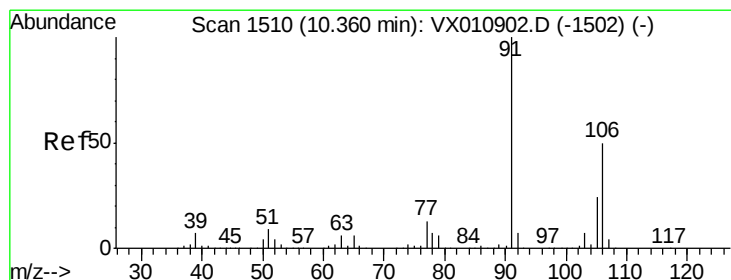
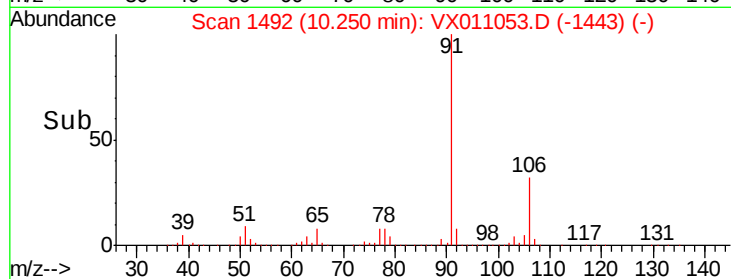
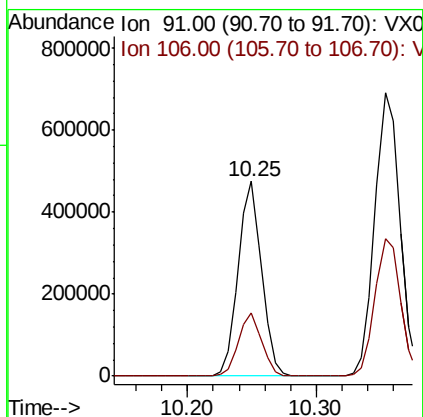
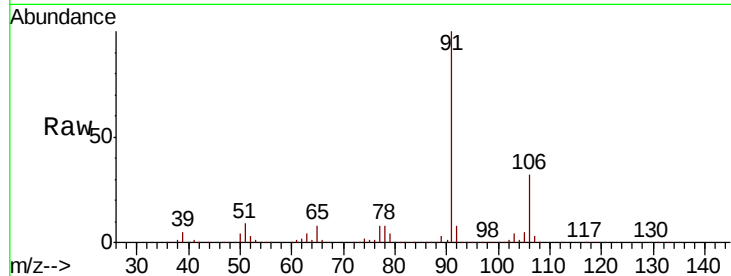




#67
Ethyl Benzene
Concen: 56.362 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

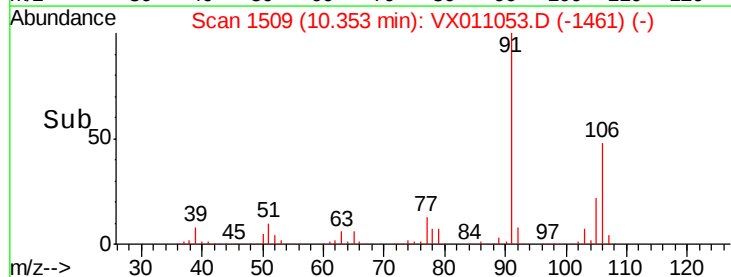
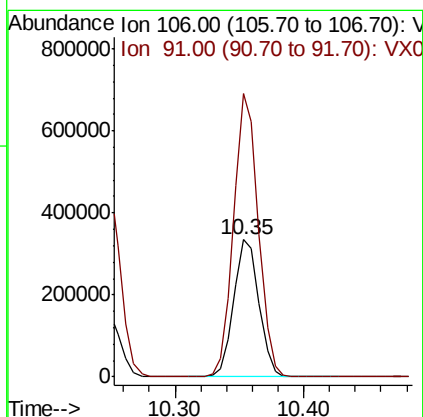
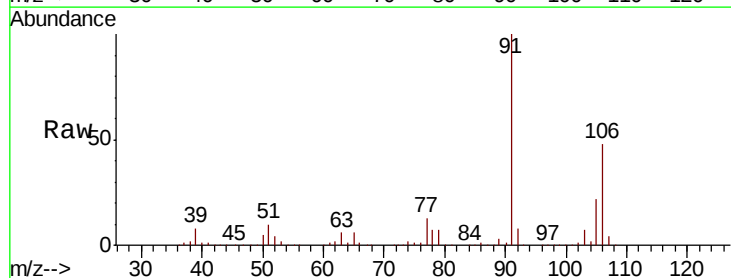
Instrument :
MSVOA_X
ClientSampleId :

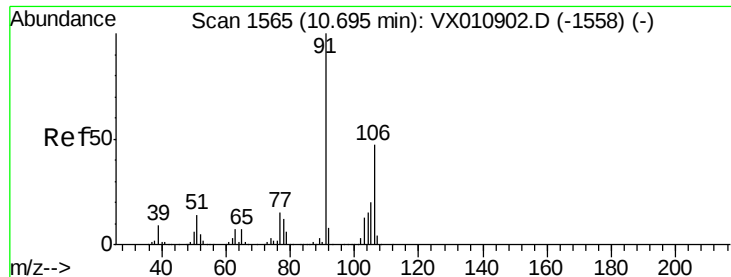
Tot Ion: 91 Resp: 600123
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2



#68
m/p-Xylenes
Concen: 112.347 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 106 Resp: 458862
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1

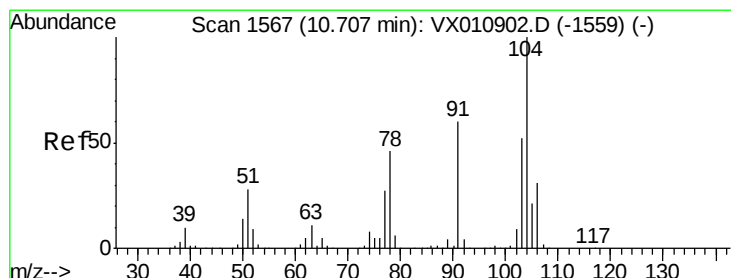
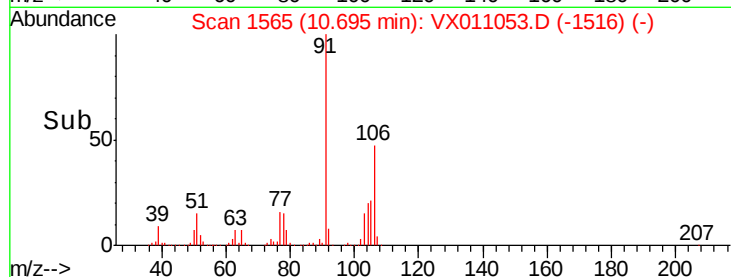
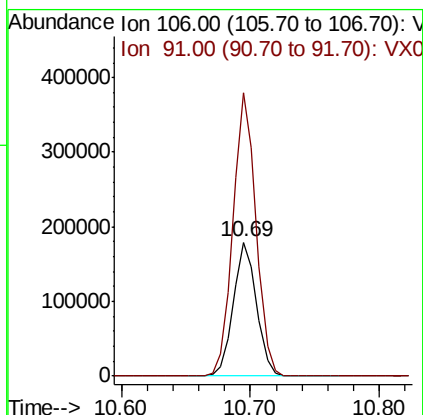
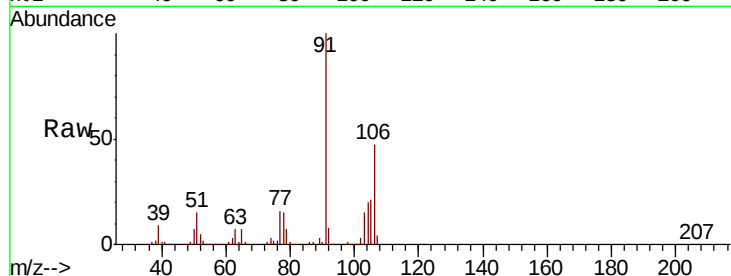




#69
o-Xylene
Concen: 56.456 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

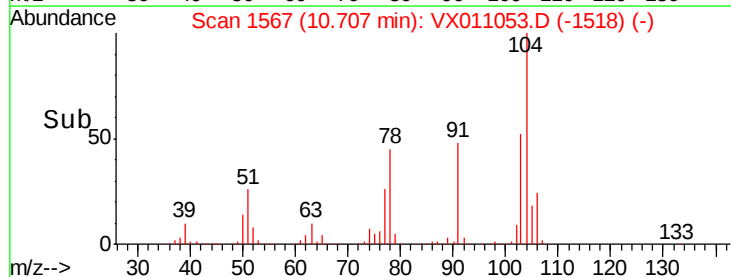
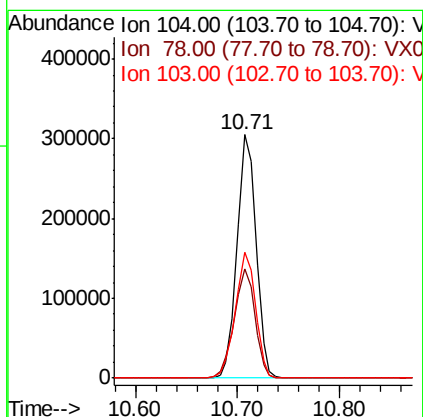
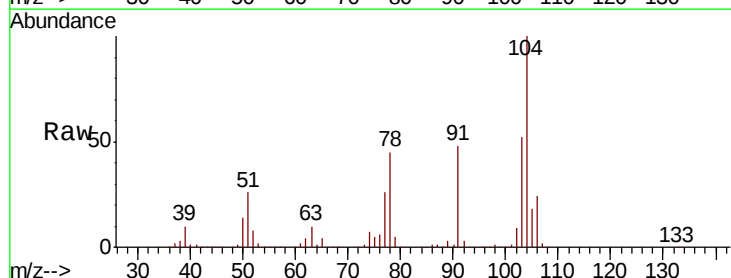
Instrument :
MSVOA_X
ClientSampled :

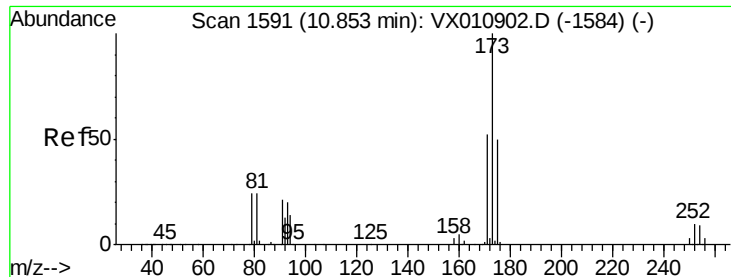
Tot Ion:106 Resp: 225041
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.3



#70
Styrene
Concen: 58.825 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion:104 Resp: 390884
Ion Ratio Lower Upper
104 100
78 49.3 38.8 58.2
103 55.6 44.2 66.4





#71

Bromoform

Concen: 53.833 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

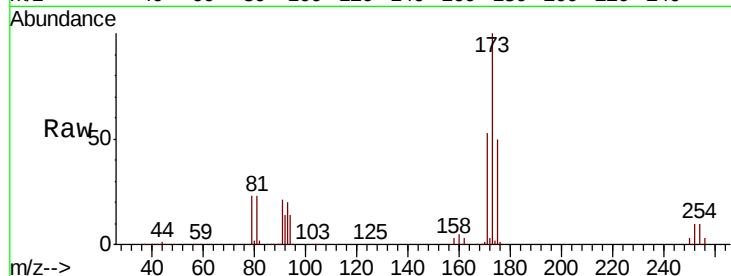
Tot Ion:173 Resp: 108174

Ion Ratio Lower Upper

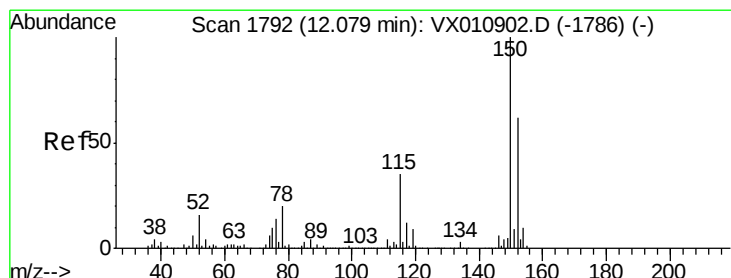
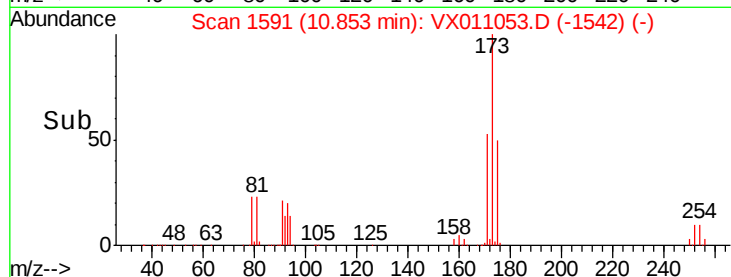
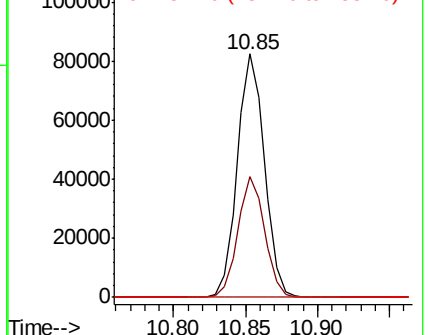
173 100

175 48.8 24.6 73.6

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

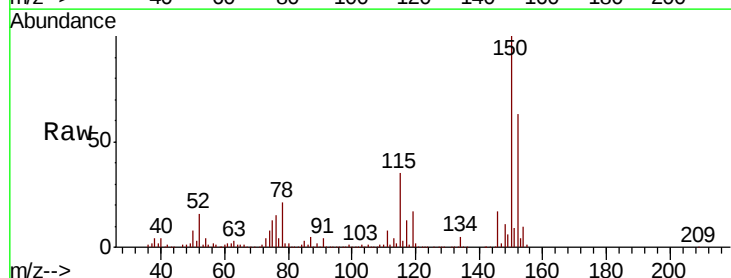
Tgt Ion:152 Resp: 168310

Ion Ratio Lower Upper

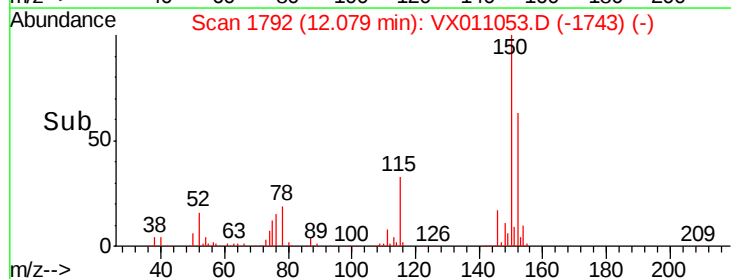
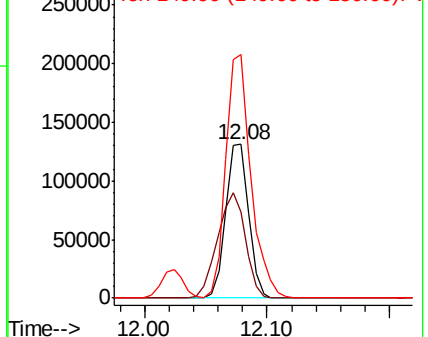
152 100

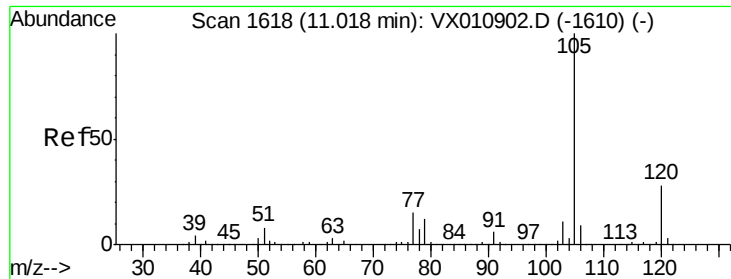
115 84.3 39.7 119.1

150 174.4 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.238 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

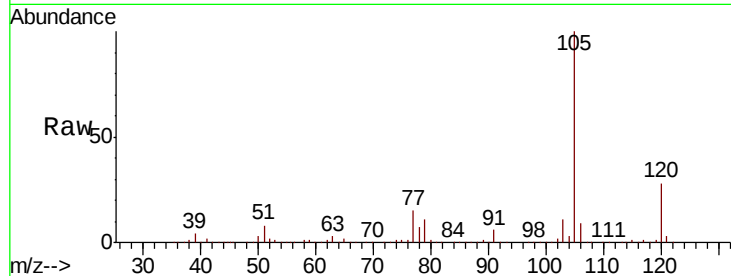
ClientSampleId :

Tot Ion:105 Resp: 616833

Ion Ratio Lower Upper

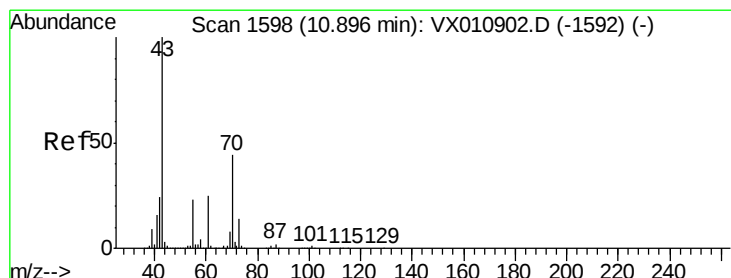
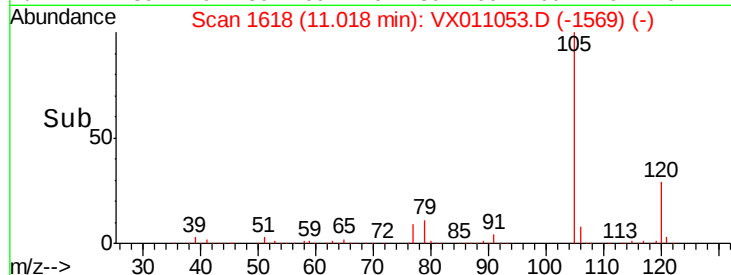
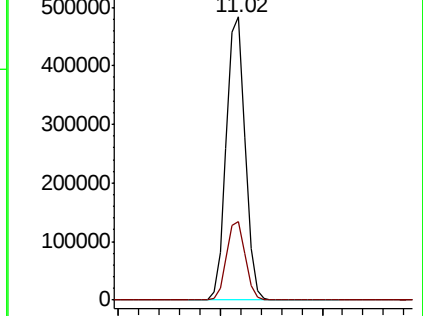
105 100

120 27.6 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.474 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion: 43 Resp: 241057

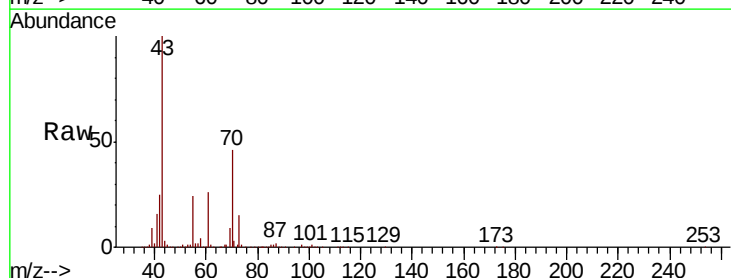
Ion Ratio Lower Upper

43 100

70 44.0 34.7 52.1

55 24.0 19.1 28.7

61 25.0 19.9 29.9

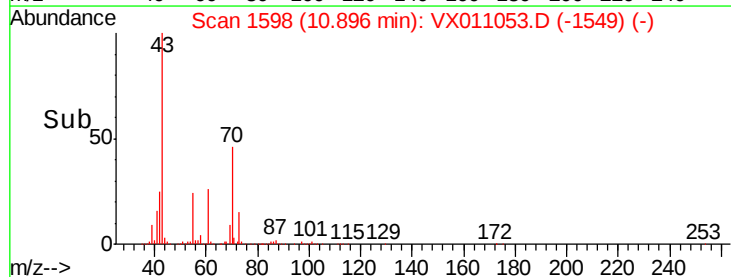
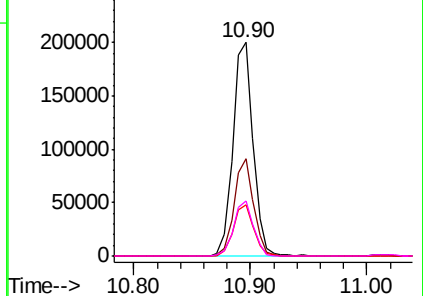


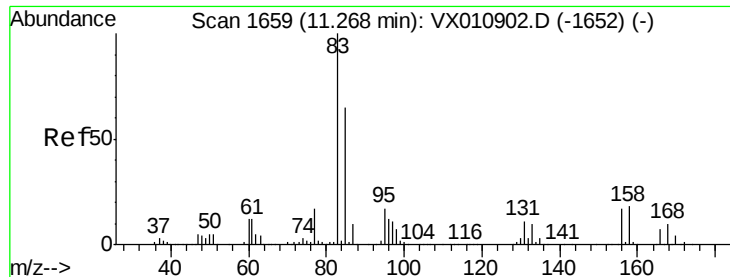
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.154 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

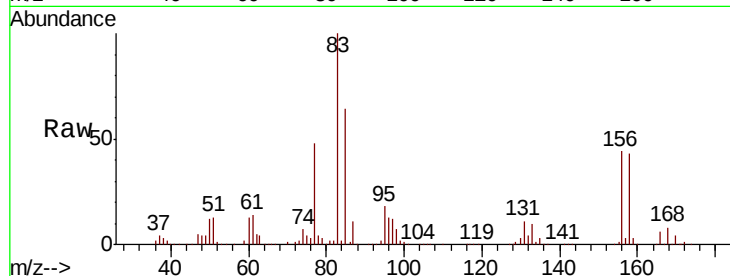
Tot Ion: 83 Resp: 197826

Ion Ratio Lower Upper

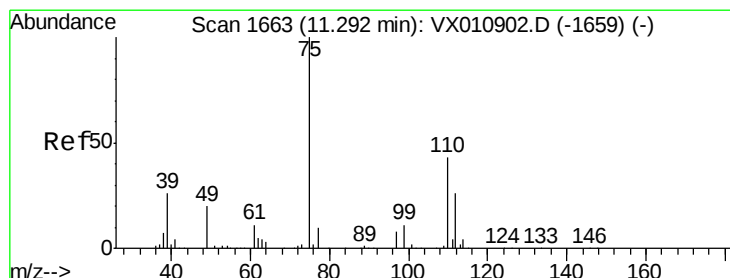
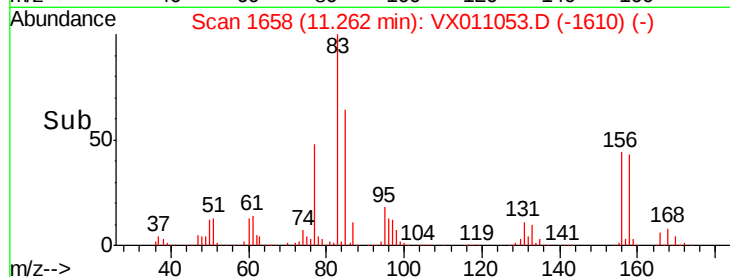
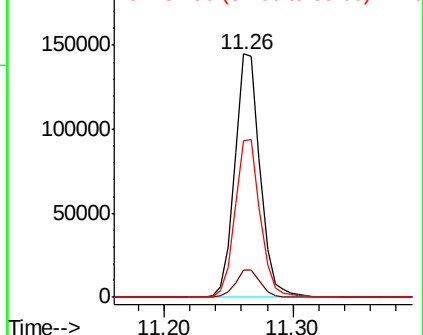
83 100

131 11.2 5.5 16.4

85 65.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 73.325 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011053.D

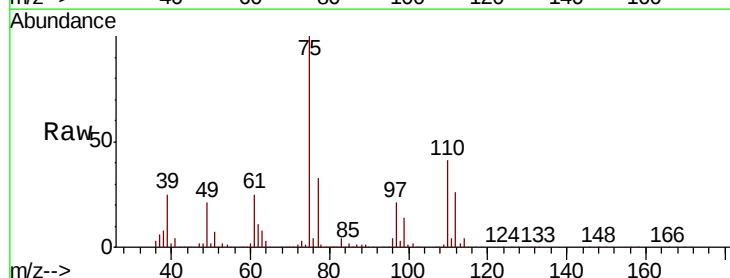
Acq: 23 Jul 2019 17:14

Tgt Ion: 75 Resp: 222707

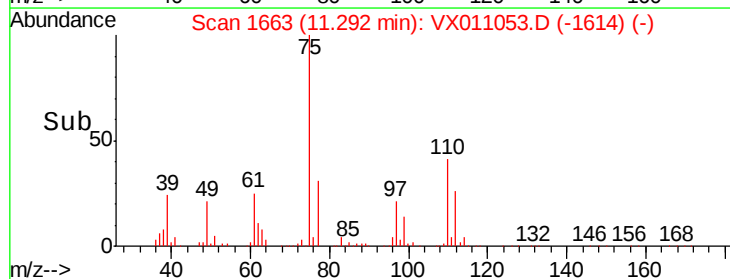
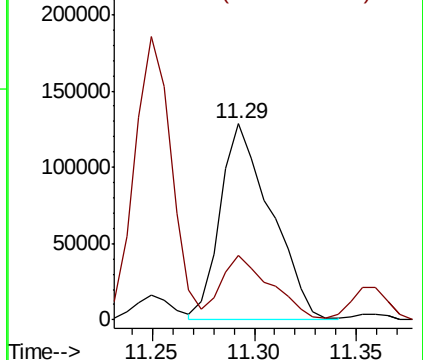
Ion Ratio Lower Upper

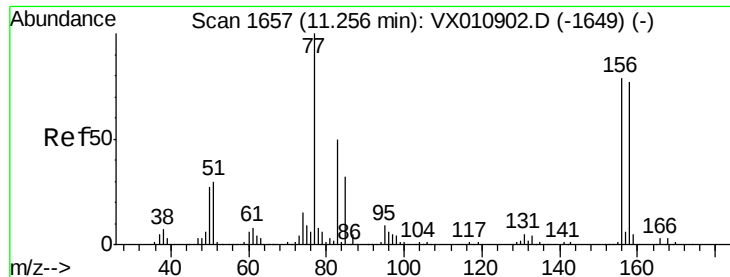
75 100

77 31.8 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

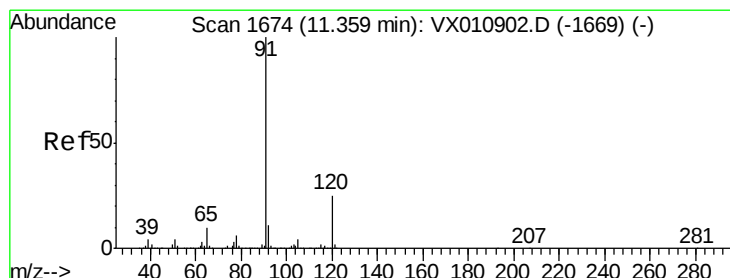
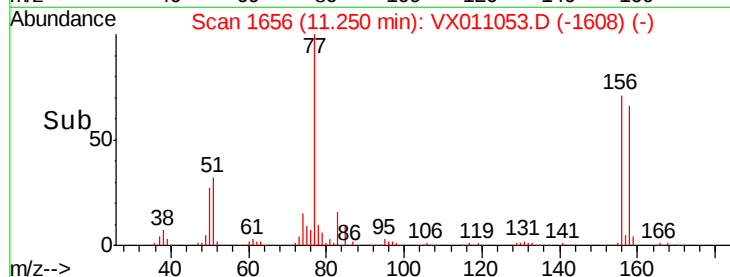
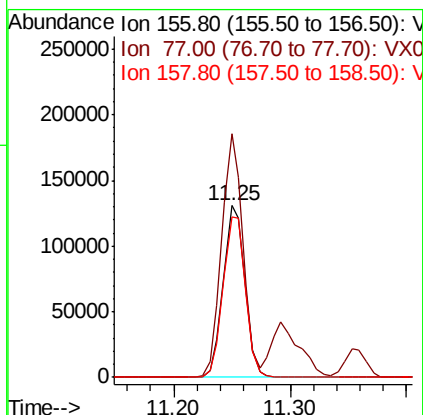
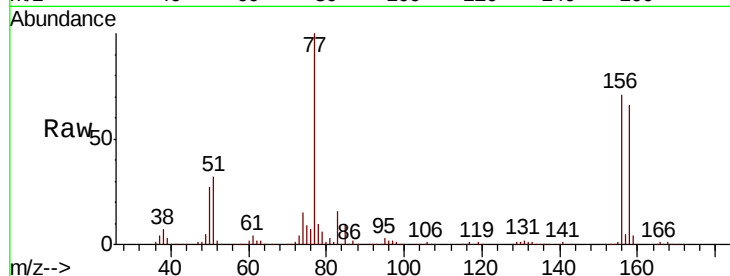




#77
Bromobenzene
Concen: 53.390 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

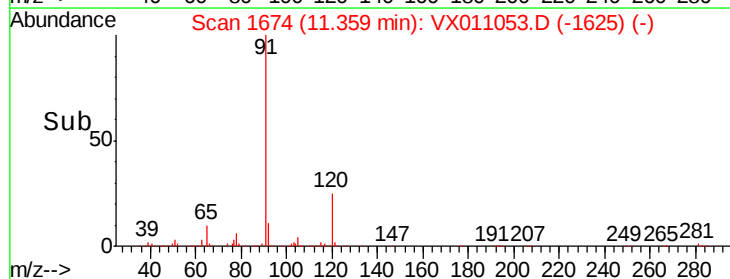
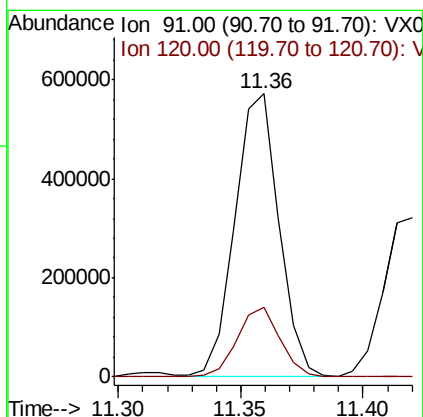
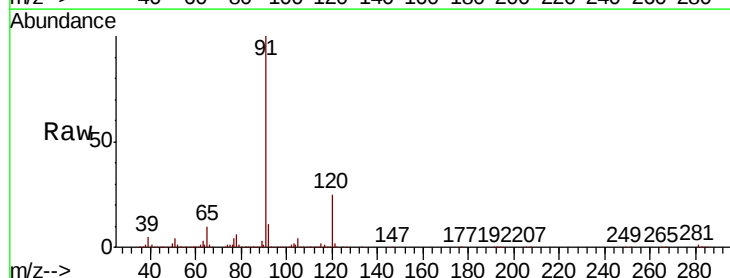
Instrument :
MSVOA_X
ClientSampleId :

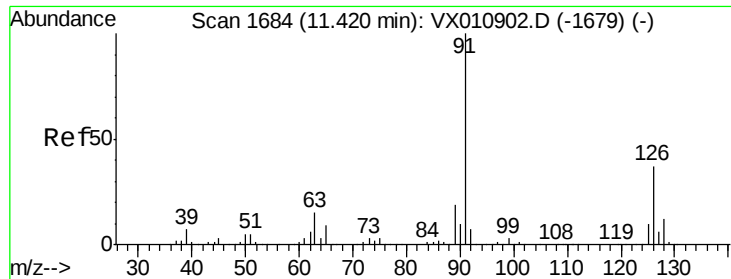
Tot Ion:156 Resp: 167485
Ion Ratio Lower Upper
156 100
77 138.9 68.7 206.1
158 96.4 47.9 143.7



#78
n-propylbenzene
Concen: 56.336 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 91 Resp: 707915
Ion Ratio Lower Upper
91 100
120 24.1 12.3 36.8

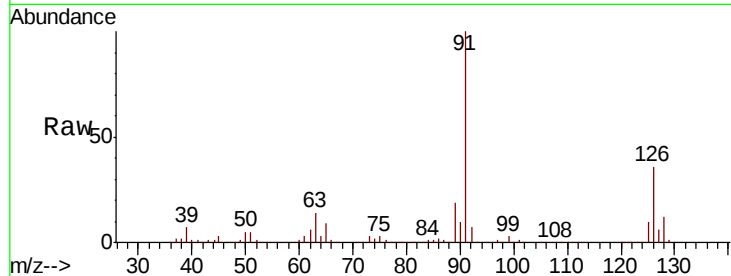




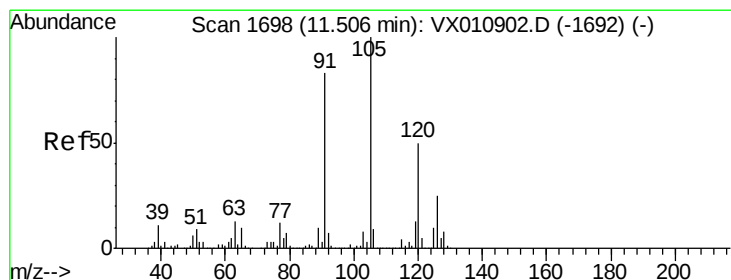
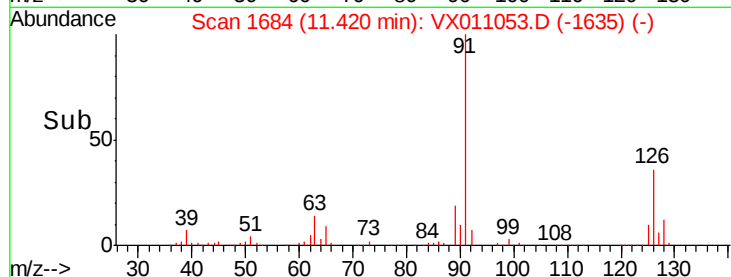
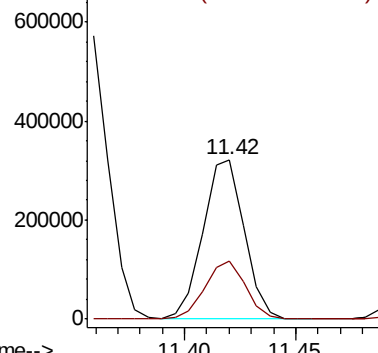
#79
2-Chlorotoluene
Concen: 54.922 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 414584
Ion Ratio Lower Upper
91 100
126 35.9 18.0 54.0

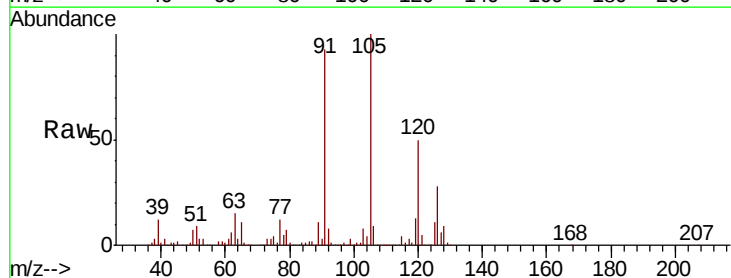


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

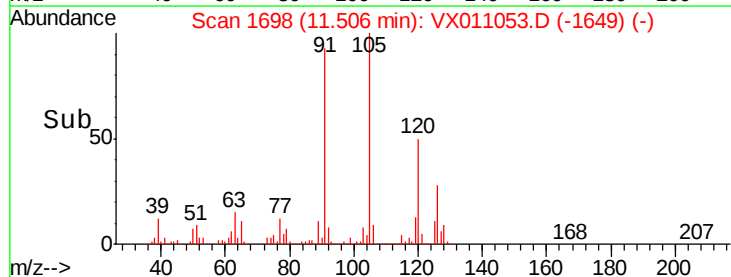
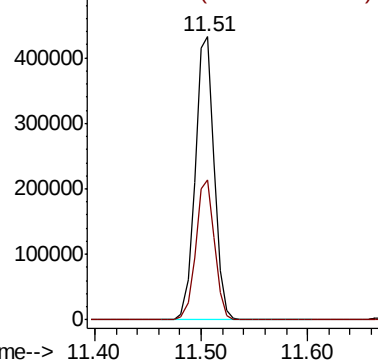


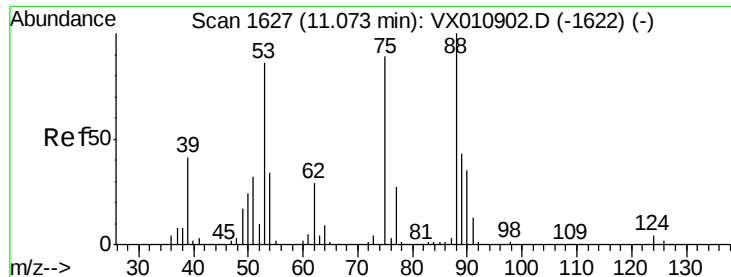
#80
1,3,5-Trimethylbenzene
Concen: 56.207 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion:105 Resp: 534134
Ion Ratio Lower Upper
105 100
120 49.1 24.6 73.8



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

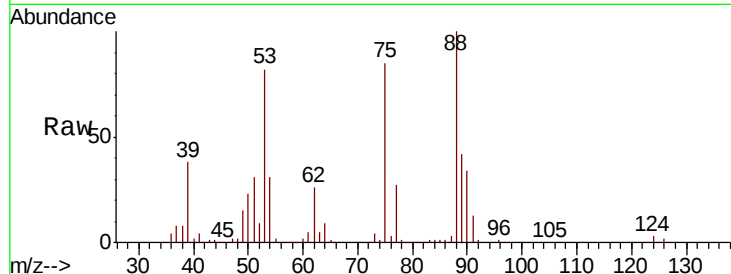




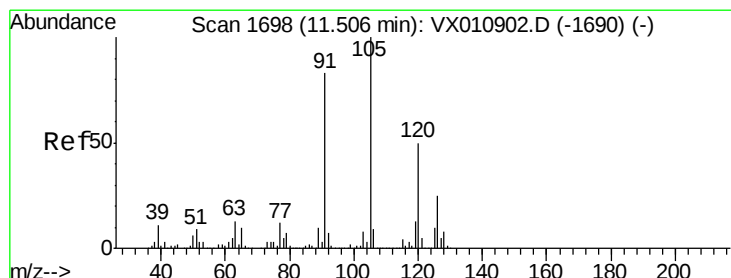
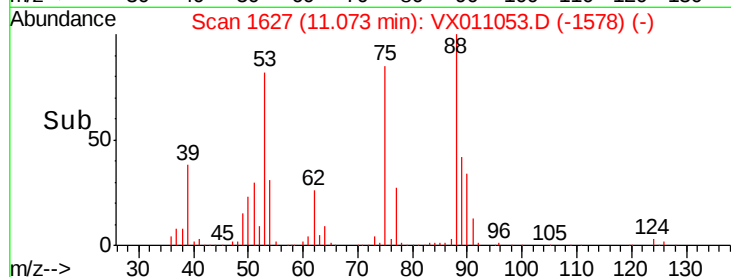
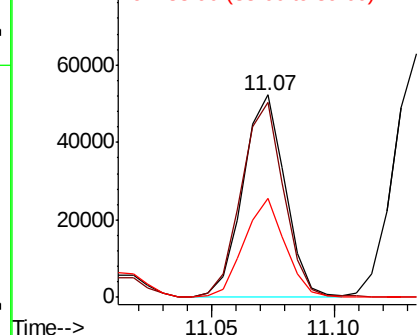
#81
trans-1,4-Dichloro-2-butene
Concen: 51.933 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 62458
Ion Ratio Lower Upper
75 100
53 97.0 76.7 115.1
89 47.7 38.5 57.7

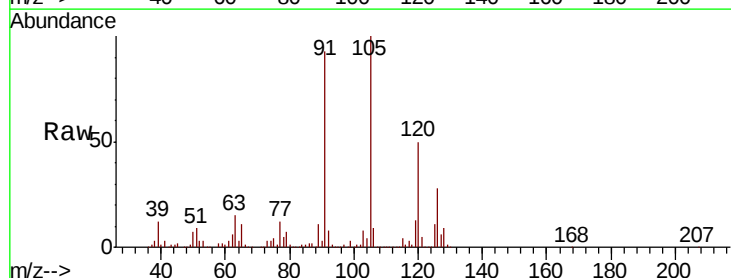


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

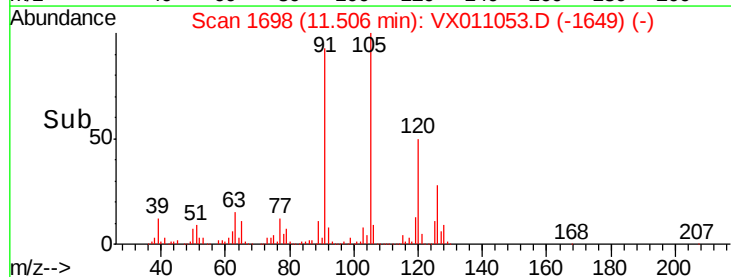
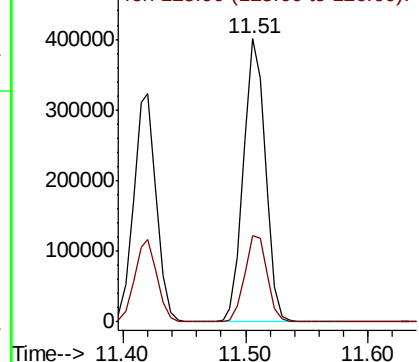


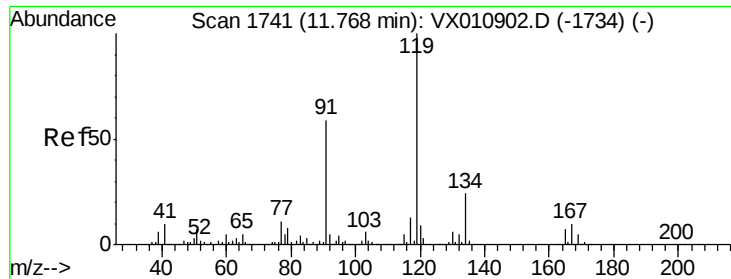
#82
4-Chlorotoluene
Concen: 56.285 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 91 Resp: 494511
Ion Ratio Lower Upper
91 100
126 31.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

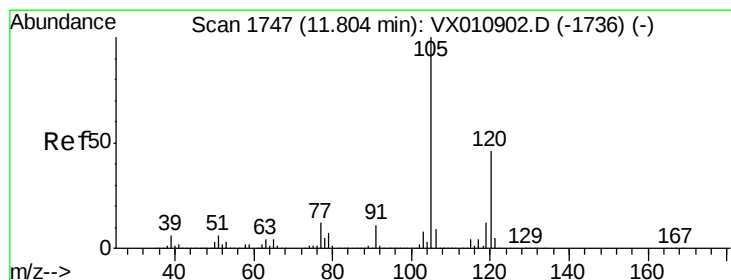
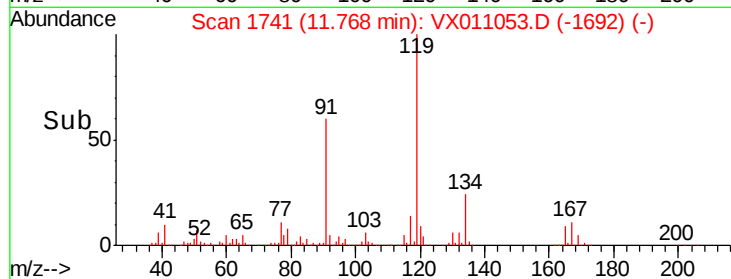
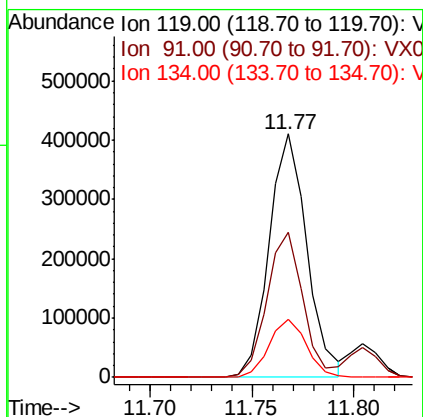
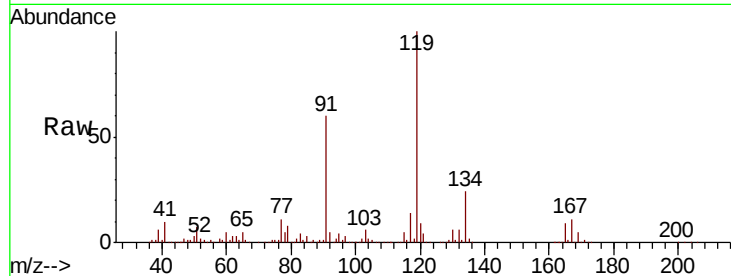




#83
 tert-Butylbenzene
 Concen: 56.703 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

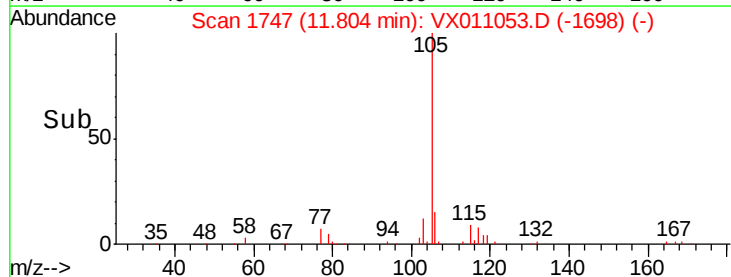
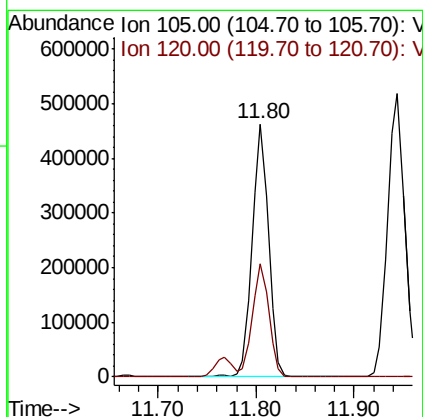
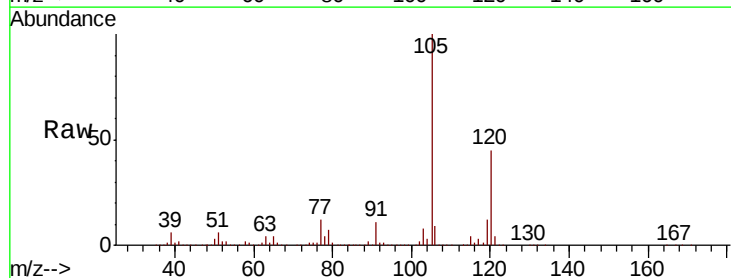
Instrument :
 MSVOA_X
 ClientSampleId :

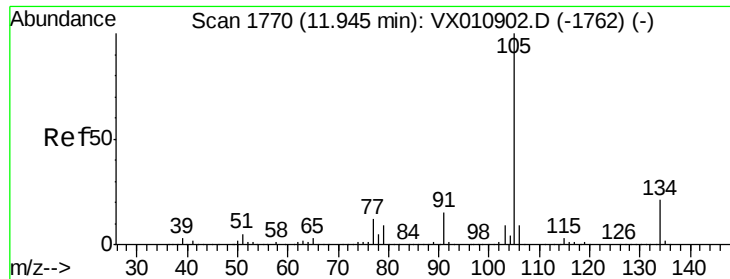
Tot Ion:119 Resp: 529289
 Ion Ratio Lower Upper
 119 100
 91 56.3 28.6 85.8
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 56.324 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion:105 Resp: 539476
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.5





#85

sec-Butylbenzene

Concen: 57.583 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

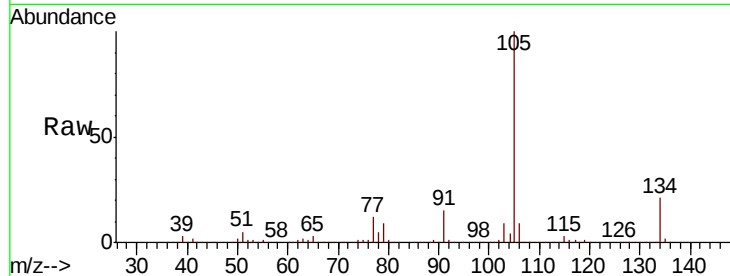
ClientSampled :

Tot Ion:105 Resp: 629810

Ion Ratio Lower Upper

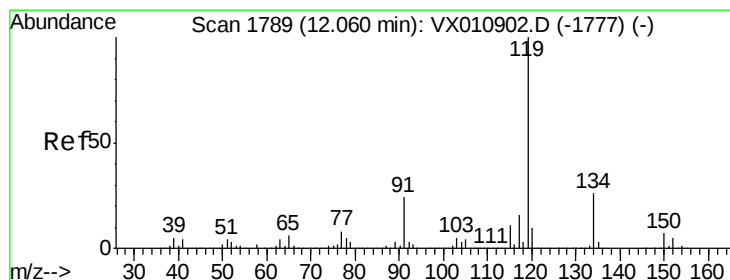
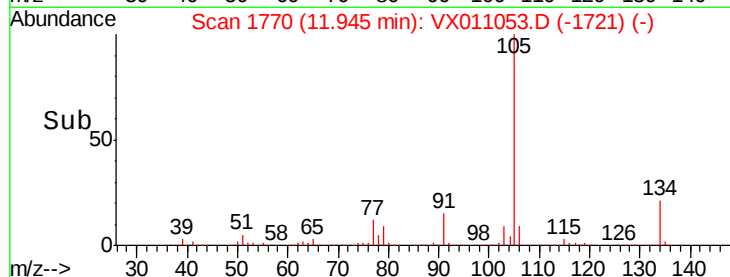
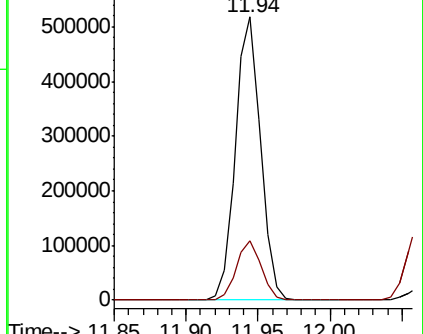
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.503 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

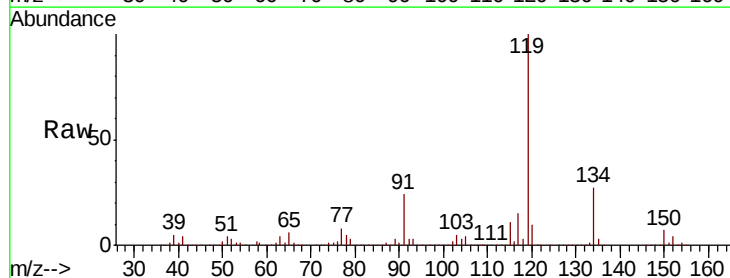
Tgt Ion:119 Resp: 591555

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

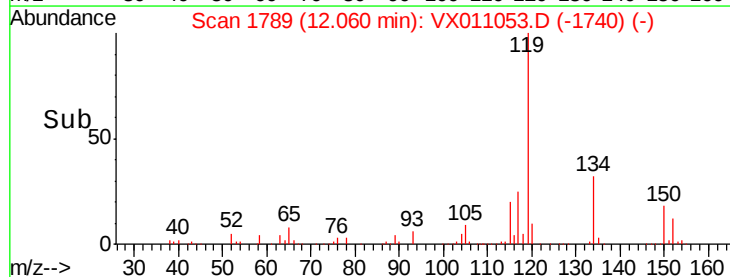
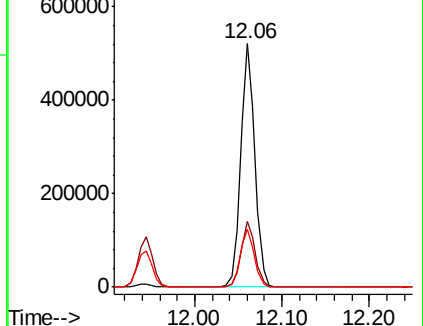
91 23.8 11.8 35.4

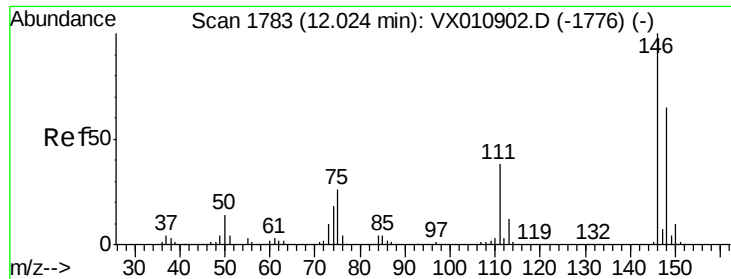


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 55.859 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

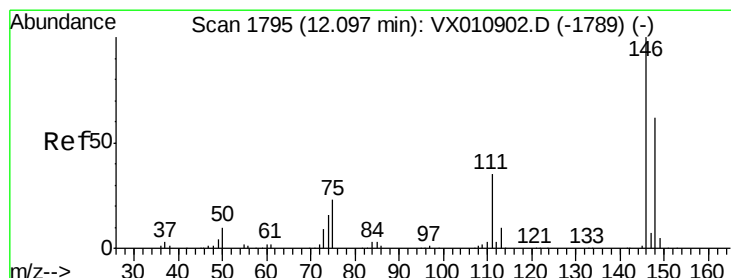
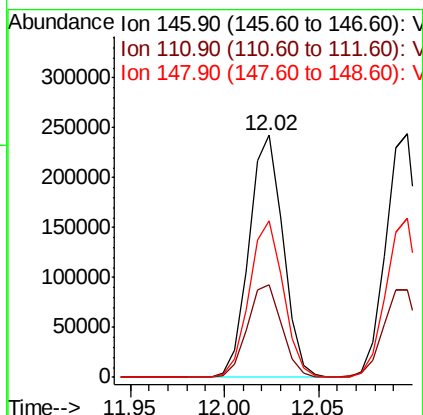
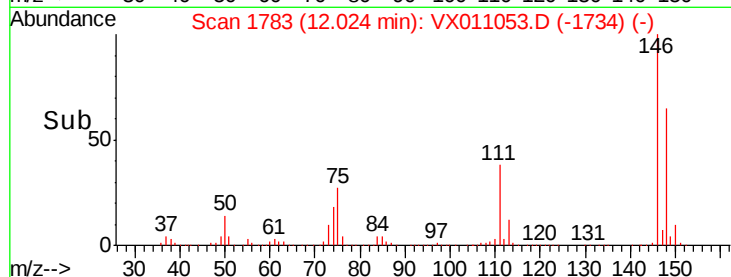
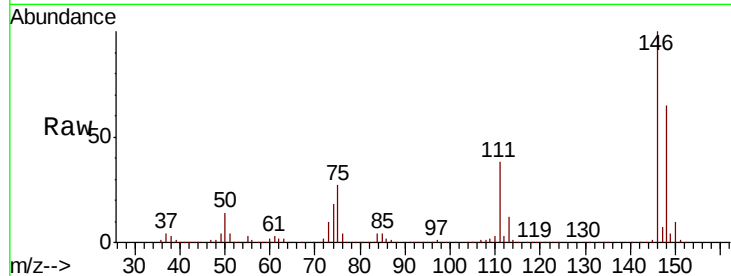
Tot Ion:146 Resp: 304097

Ion Ratio Lower Upper

146 100

111 38.8 18.9 56.9

148 64.5 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 54.290 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

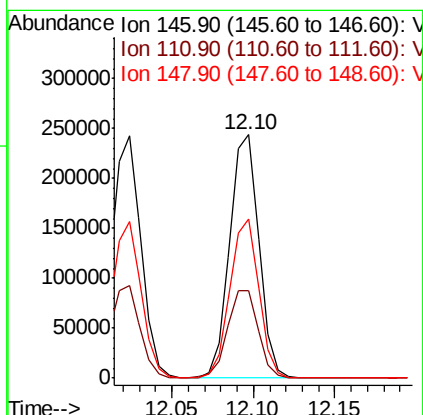
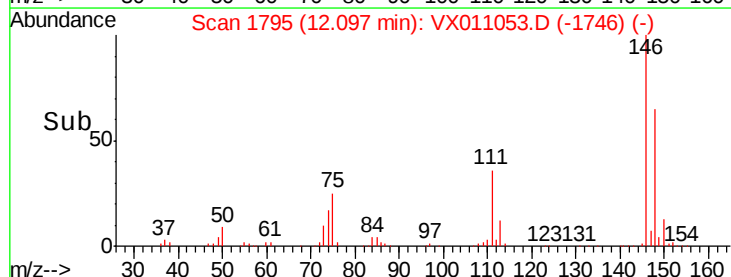
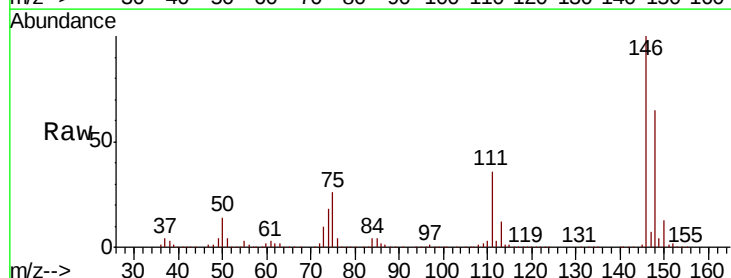
Tgt Ion:146 Resp: 303118

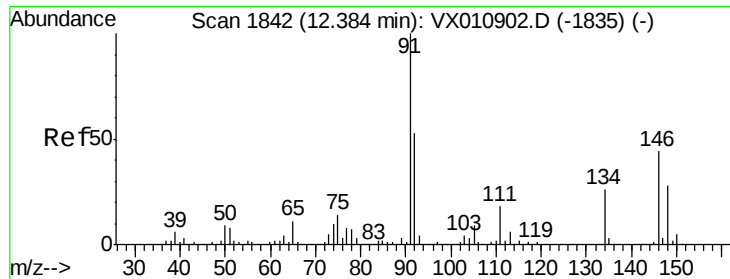
Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

148 64.8 31.6 94.7





#89

n-Butylbenzene

Concen: 61.067 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

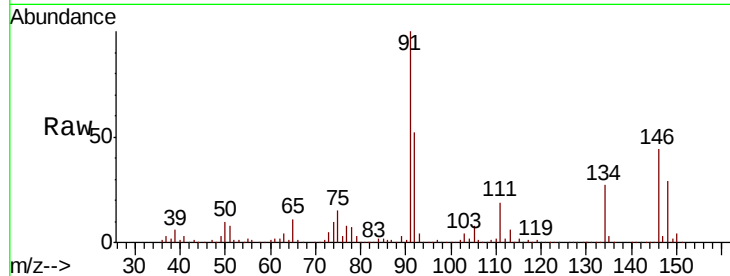
Tot Ion: 91 Resp: 528278

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

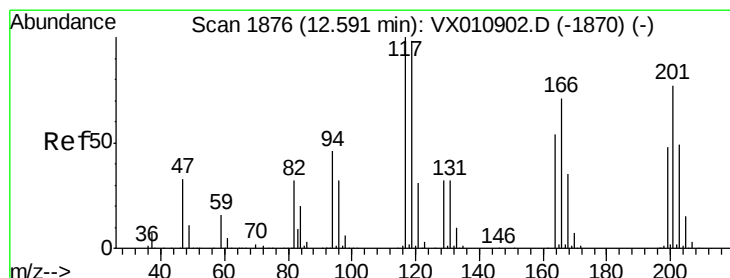
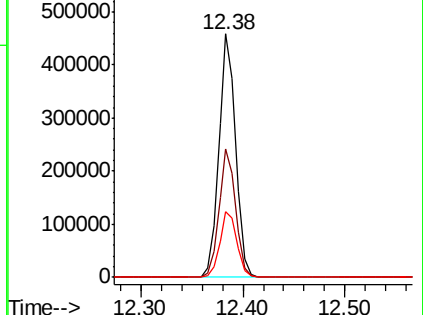
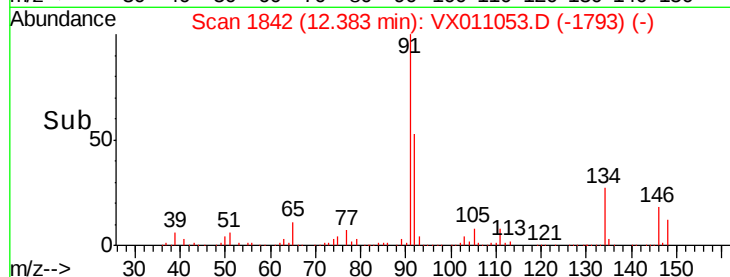
134 27.4 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VX011053.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX011053.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX011053.D (-1793) (-)



#90

Hexachloroethane

Concen: 58.784 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX011053.D

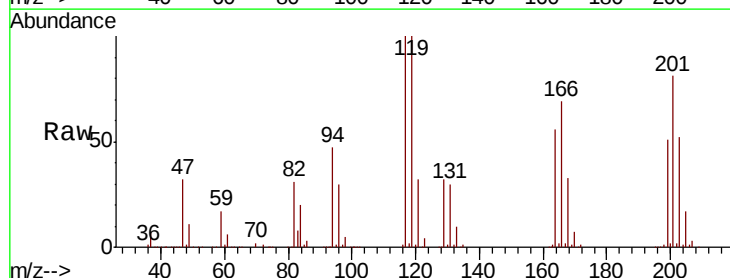
Acq: 23 Jul 2019 17:14

Tgt Ion: 117 Resp: 93752

Ion Ratio Lower Upper

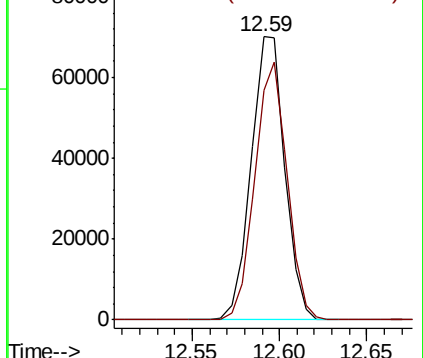
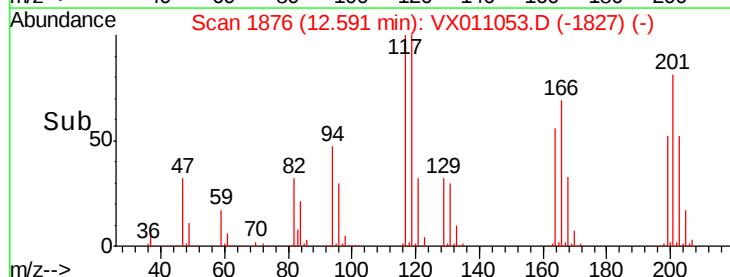
117 100

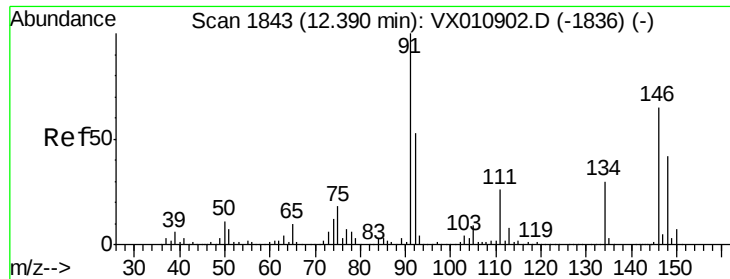
201 87.1 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): VX011053.D (-1827) (-)

Ion 200.70 (200.40 to 201.40): VX011053.D (-1827) (-)

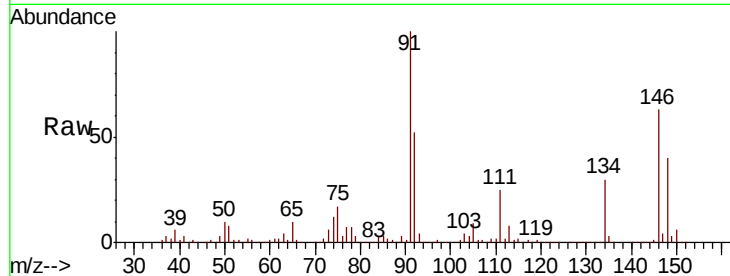




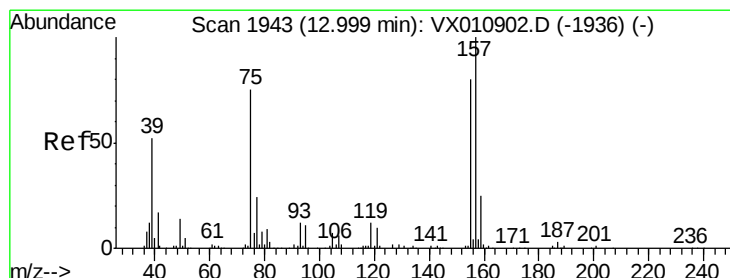
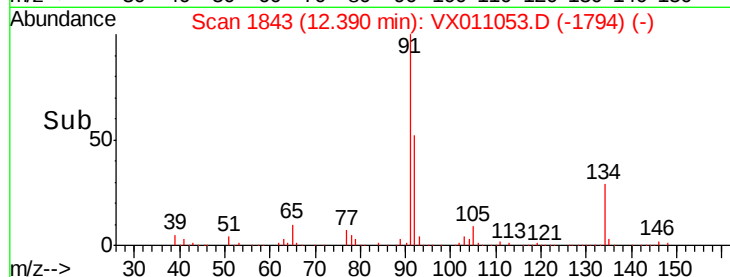
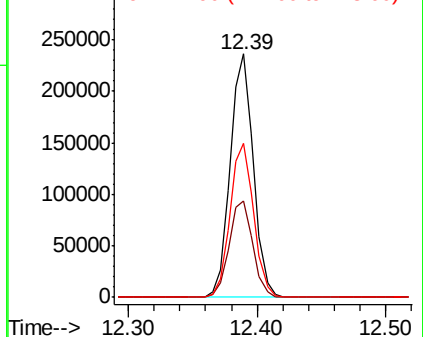
#91
 1,2-Dichlorobenzene
 Concen: 55.088 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 297222
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.9 59.7
 148 64.1 32.0 96.2

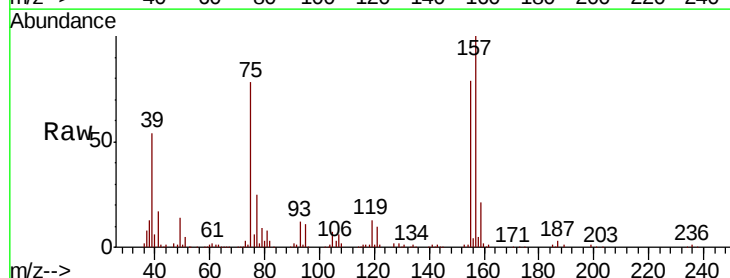


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

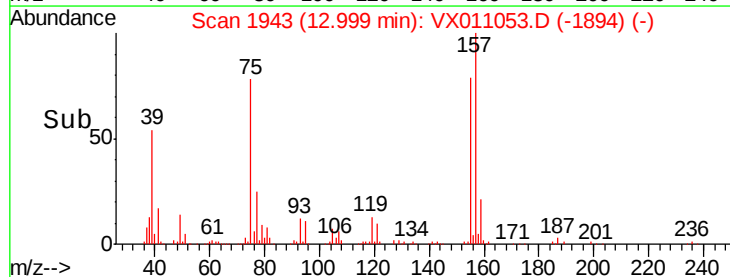
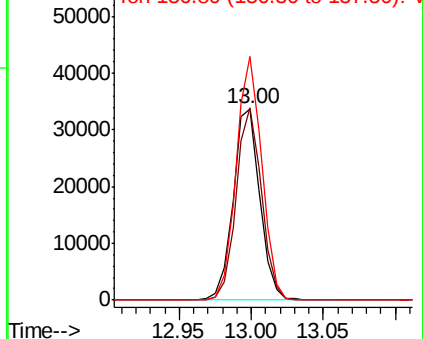


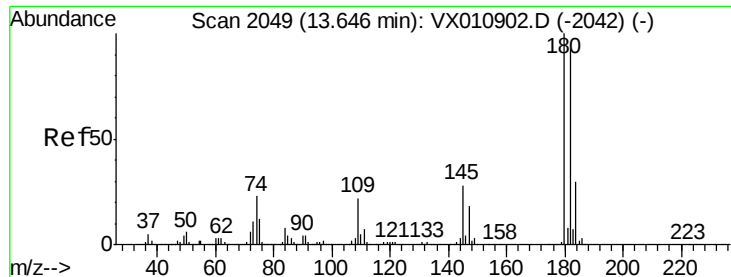
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.153 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion: 75 Resp: 43685
 Ion Ratio Lower Upper
 75 100
 155 95.7 48.7 146.1
 157 121.9 62.5 187.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

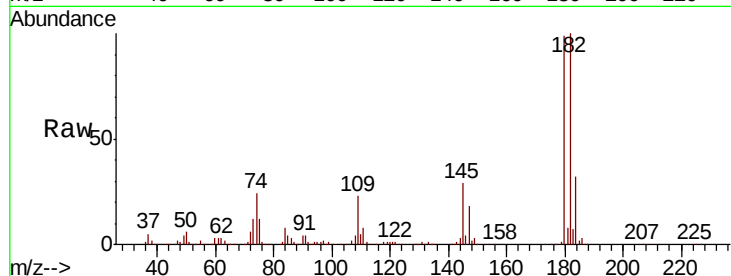




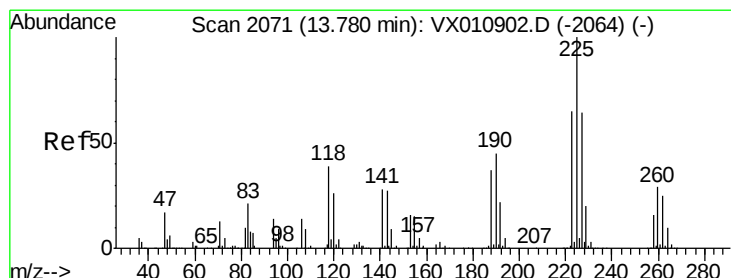
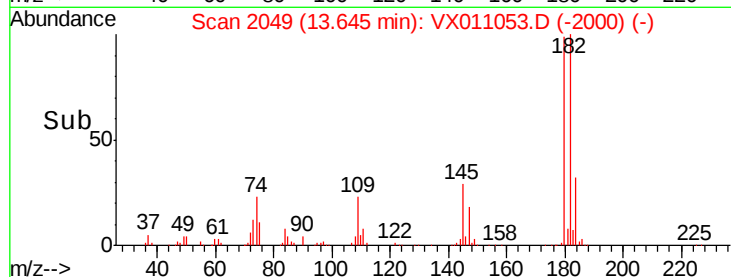
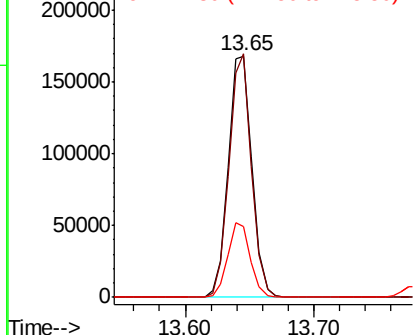
#93
 1,2,4-Trichlorobenzene
 Concen: 59.212 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 216509
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.1 141.3
 145 29.8 14.8 44.4

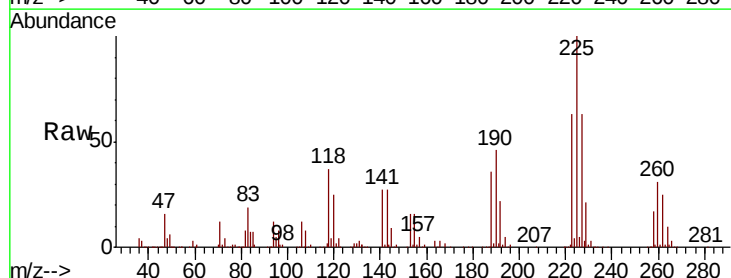


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

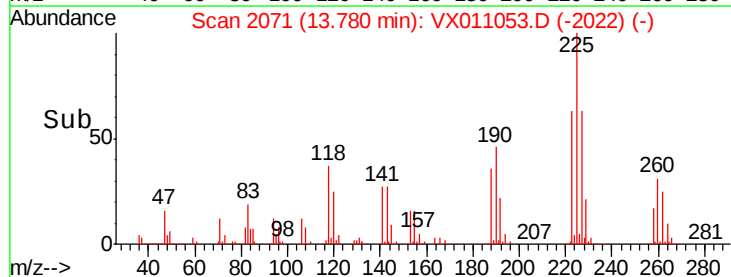
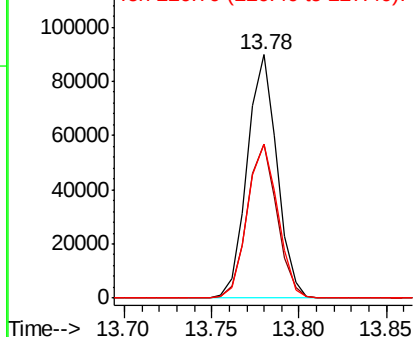


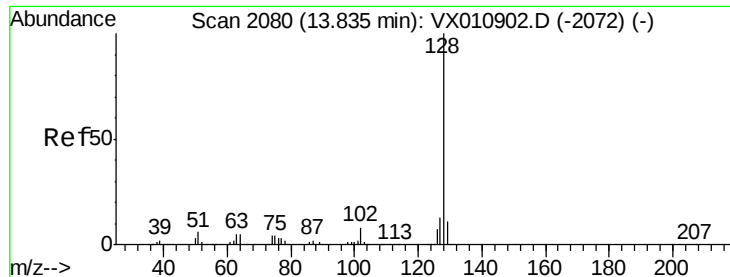
#94
 Hexachlorobutadiene
 Concen: 58.583 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion:225 Resp: 106151
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.9
 227 64.6 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

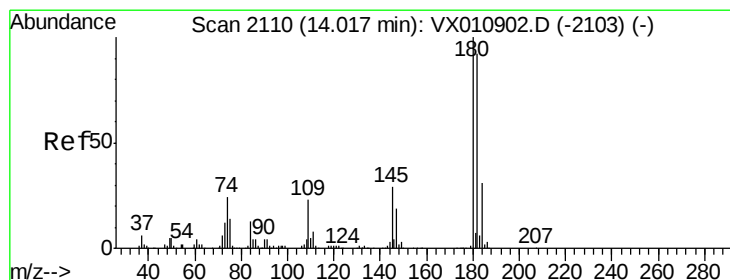
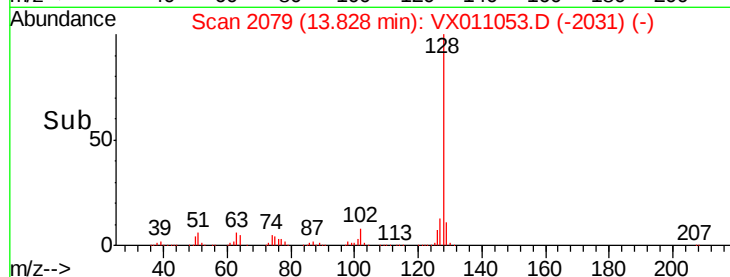
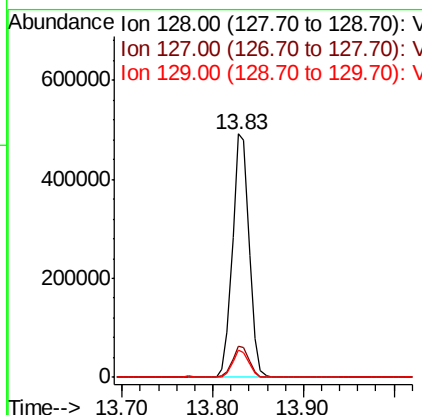
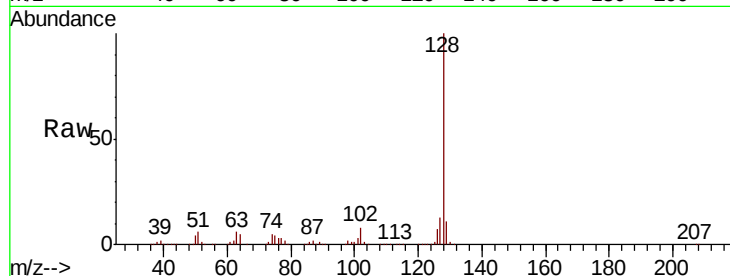




#95
Naphthalene
Concen: 57.909 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 58.051 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	32.2	15.1	45.3

