

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007971.D
 Acq On : 11 Mar 2019 15:50
 Operator : JC/SP
 Sample : VX0311WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Quant Time: Mar 12 08:38:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	266517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127618	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	5.50	113	113854	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	8.71	98	428591	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.13	95	153817	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43764	19.220	ug/l	99
3) Chloromethane	1.33	50	54239	18.484	ug/l	99
4) Vinyl Chloride	1.41	62	56620	19.419	ug/l	100
5) Bromomethane	1.64	94	30870	21.929	ug/l	97
6) Chloroethane	1.73	64	40956	21.145	ug/l	100
7) Trichlorofluoromethane	1.93	101	75541	19.900	ug/l	99
8) Diethyl Ether	2.19	74	32010	19.473	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48515	20.624	ug/l	98
10) Methyl Iodide	2.51	142	63359	18.985	ug/l	99
11) Tert butyl alcohol	3.06	59	62093	98.757	ug/l	99
12) 1,1-Dichloroethene	2.38	96	44907	19.804	ug/l	96
13) Acrolein	2.29	56	32240	91.592	ug/l	99
14) Allyl chloride	2.73	41	89780	18.842	ug/l	99
15) Acrylonitrile	3.15	53	151050	95.179	ug/l	100
16) Acetone	2.45	43	140967	86.626	ug/l	100
17) Carbon Disulfide	2.57	76	134291	19.226	ug/l	100
18) Methyl Acetate	2.78	43	68736	19.882	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	156438	20.054	ug/l	99
20) Methylene Chloride	2.86	84	50682	19.569	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	49052	19.660	ug/l	97
22) Diisopropyl ether	3.87	45	166443	19.056	ug/l	97
23) Vinyl Acetate	3.82	43	722050	94.269	ug/l	99
24) 1,1-Dichloroethane	3.70	63	94291	20.060	ug/l	100
25) 2-Butanone	4.70	43	207882	90.232	ug/l	100
26) 2,2-Dichloropropane	4.59	77	60968	19.578	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	54929	19.239	ug/l	98
28) Bromochloromethane	5.02	49	44643	20.372	ug/l	97
29) Tetrahydrofuran	5.15	42	135328	94.170	ug/l	99
30) Chloroform	5.21	83	87694	19.723	ug/l	98
31) Cyclohexane	5.57	56	84916	19.656	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	72854	19.748	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67921	19.959	ug/l	99
37) Ethyl Acetate	4.85	43	75940	18.805	ug/l	99
38) Carbon Tetrachloride	5.79	117	64183	19.866	ug/l	98

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Quant Time: Mar 12 08:38:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85374	20.704	ug/l	97
40) Benzene	6.14	78	204340	20.170	ug/l	100
41) Methacrylonitrile	5.06	41	44015	19.991	ug/l	99
42) 1,2-Dichloroethane	6.20	62	65582	19.794	ug/l	100
43) Isopropyl Acetate	6.46	43	117130	19.598	ug/l	99
44) Trichloroethene	7.21	130	56114	20.099	ug/l	98
45) 1,2-Dichloropropane	7.51	63	53673	20.059	ug/l	100
46) Dibromomethane	7.66	93	33655	19.875	ug/l	98
47) Bromodichloromethane	7.90	83	63590	19.807	ug/l	99
48) Methyl methacrylate	7.77	41	61114	19.449	ug/l	97
49) 1,4-Dioxane	7.75	88	25200	390.402	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	382929	99.628	ug/l	99
52) Toluene	8.78	92	127254	20.574	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	68004	20.294	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	77765	20.550	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	51552	20.589	ug/l	97
56) Ethyl methacrylate	9.18	69	77580	20.636	ug/l	98
57) 1,3-Dichloropropane	9.37	76	85513	20.340	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	198637	102.146	ug/l	98
59) 2-Hexanone	9.49	43	288967	96.836	ug/l	100
60) Dibromochloromethane	9.58	129	52379	20.014	ug/l	98
61) 1,2-Dibromoethane	9.67	107	54481	20.494	ug/l	99
64) Tetrachloroethene	9.34	164	58228	21.255	ug/l	97
65) Chlorobenzene	10.13	112	141389	20.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	50762	20.475	ug/l	99
67) Ethyl Benzene	10.25	91	234382	20.583	ug/l	99
68) m/p-Xylenes	10.36	106	182788	41.645	ug/l	99
69) o-Xylene	10.69	106	87862	20.734	ug/l	99
70) Styrene	10.71	104	145389	20.967	ug/l	99
71) Bromoform	10.85	173	40877	19.199	ug/l #	99
73) Isopropylbenzene	11.02	105	239266	20.938	ug/l	100
74) N-amyl acetate	10.90	43	98382	18.858	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	76444	19.393	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	85706	24.172	ug/l	92
77) Bromobenzene	11.26	156	63174	20.164	ug/l	98
78) n-propylbenzene	11.36	91	266029	20.984	ug/l	99
79) 2-Chlorotoluene	11.42	91	158187	20.408	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	197412	20.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20558	18.534	ug/l	96
82) 4-Chlorotoluene	11.51	91	183282	20.633	ug/l	99
83) tert-Butylbenzene	11.77	119	194748	20.556	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	203175	21.072	ug/l	99
85) sec-Butylbenzene	11.94	105	238623	21.386	ug/l	99
86) p-Isopropyltoluene	12.06	119	213097	21.325	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	113711	20.515	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	113848	20.057	ug/l	100
89) n-Butylbenzene	12.38	91	176795	20.883	ug/l	99
90) Hexachloroethane	12.60	117	33980	20.338	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	112200	20.377	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15123	18.358	ug/l	96

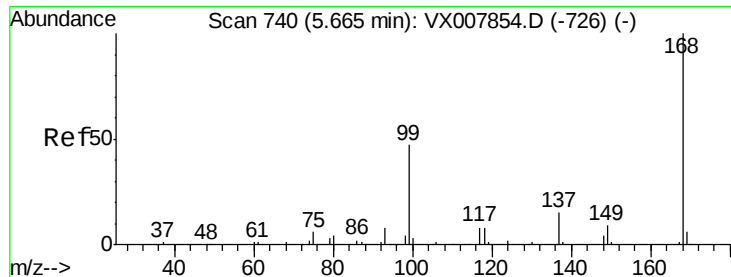
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	79611	20.581	ug/l	99
94) Hexachlorobutadiene	13.78	225	44115	21.814	ug/l	99
95) Naphthalene	13.83	128	227151	20.381	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	80679	20.937	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

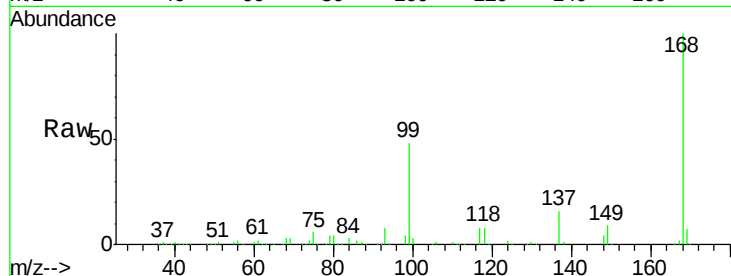
VX0311WBS02

Tot Ion:168 Resp: 266517

Ion Ratio Lower Upper

168 100

99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

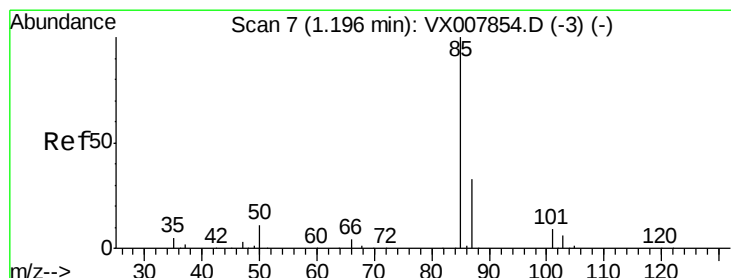
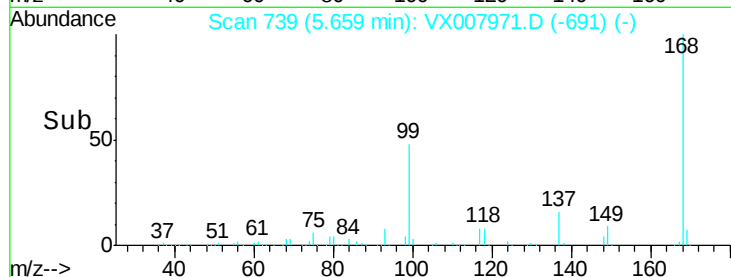
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.220 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007971.D

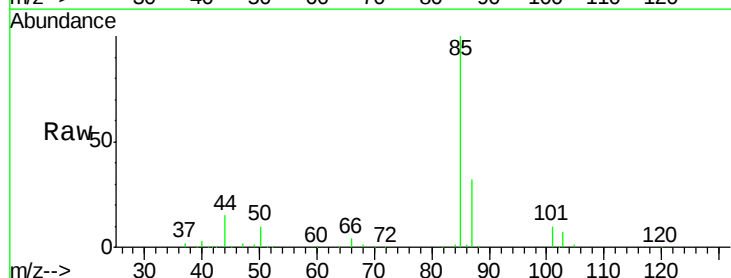
Acq: 11 Mar 2019 15:50

Tgt Ion: 85 Resp: 43764

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

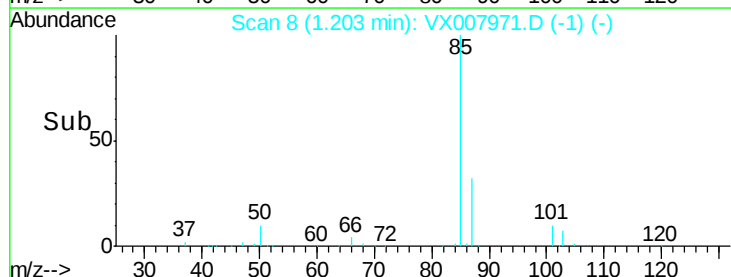
20000

10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.484 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

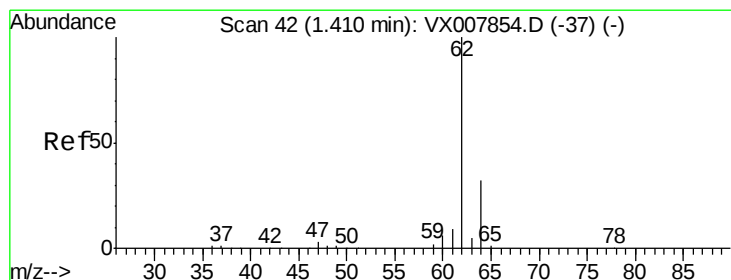
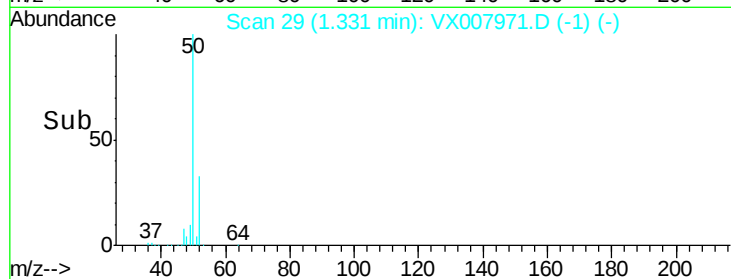
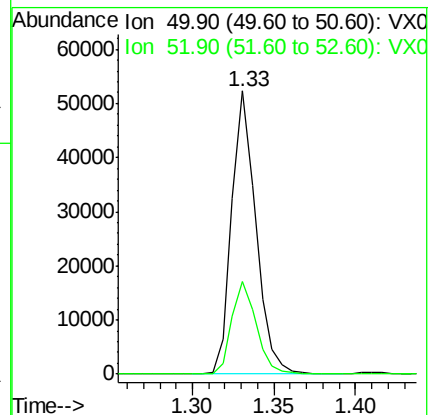
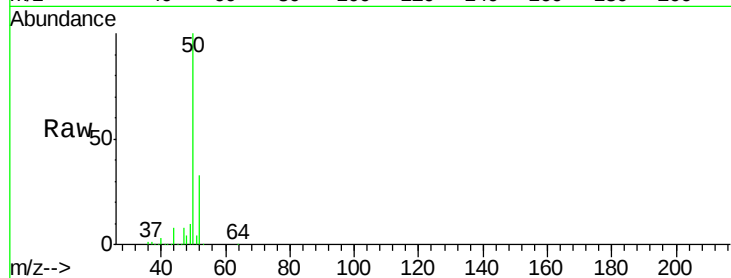
VX0311WBS02

Tot Ion: 50 Resp: 54239

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 19.419 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007971.D

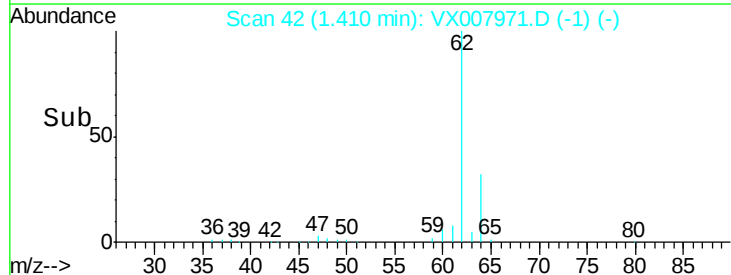
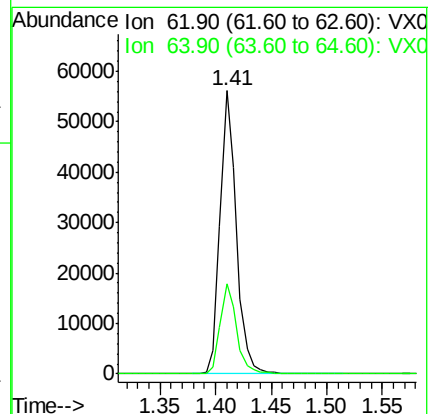
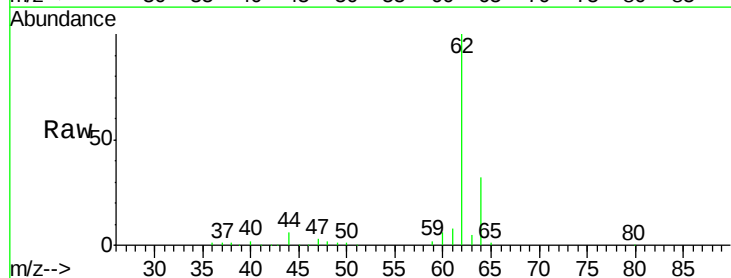
Acq: 11 Mar 2019 15:50

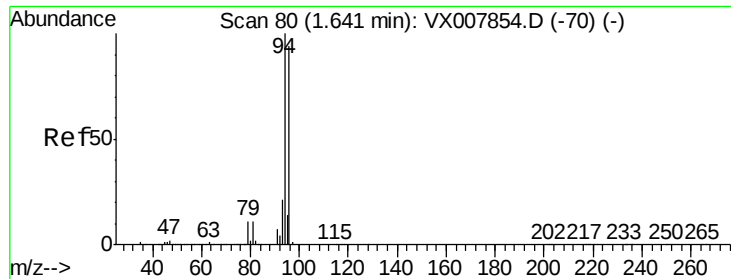
Tgt Ion: 62 Resp: 56620

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 21.929 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

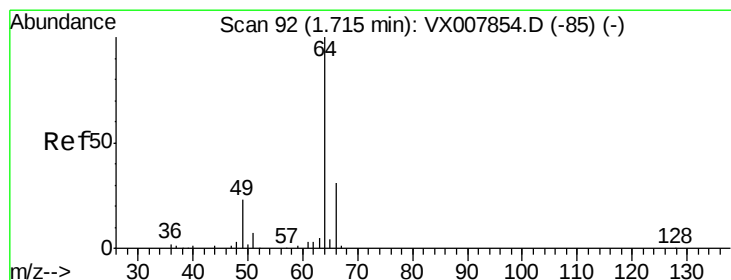
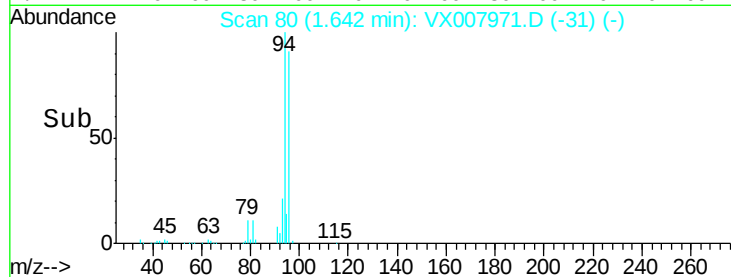
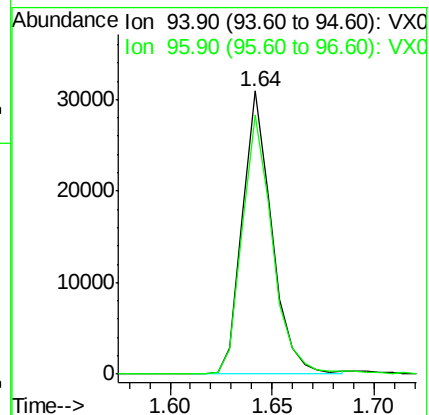
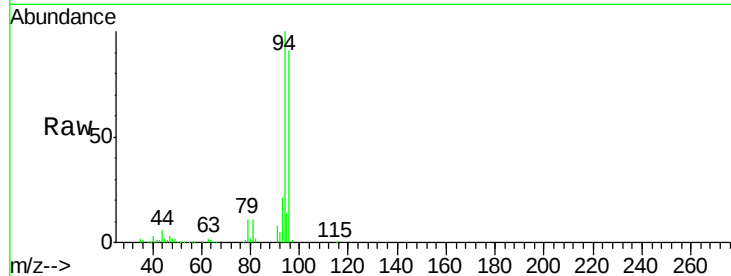
VX0311WBS02

Tot Ion: 94 Resp: 30870

Ion Ratio Lower Upper

94 100

96 91.3 75.5 113.3



#6

Chloroethane

Concen: 21.145 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007971.D

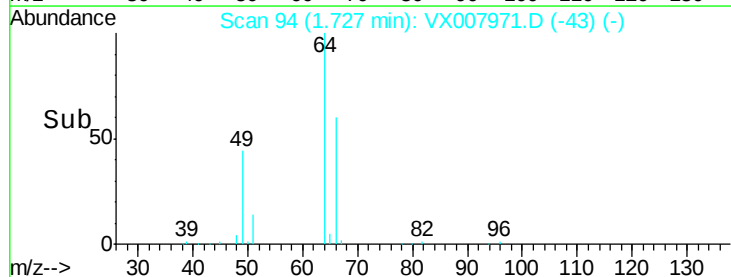
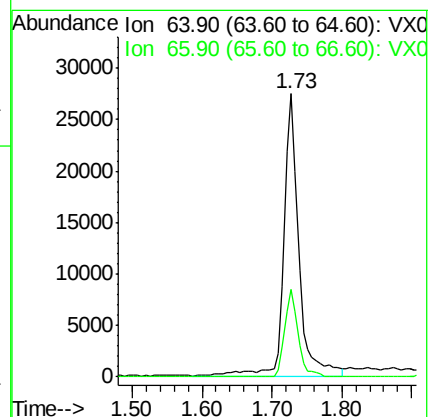
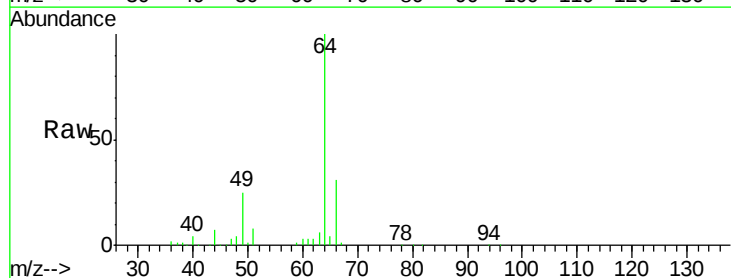
Acq: 11 Mar 2019 15:50

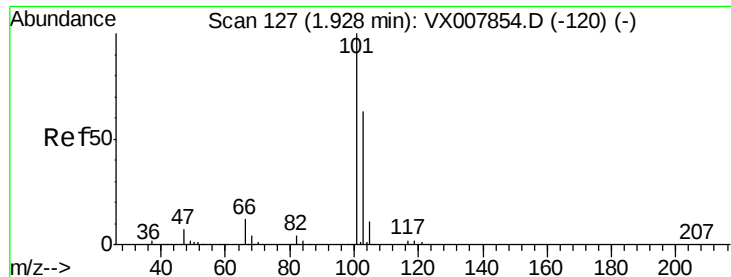
Tgt Ion: 64 Resp: 40956

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



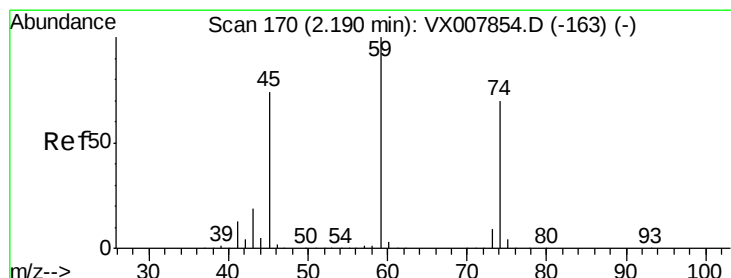
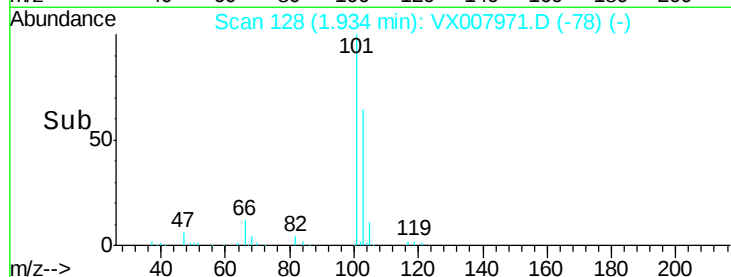
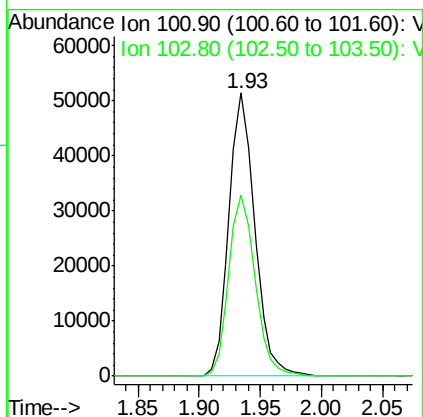
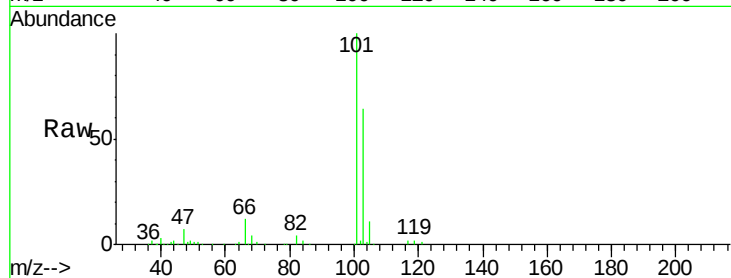


#7

Trichlorofluoromethane
Concen: 19.900 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
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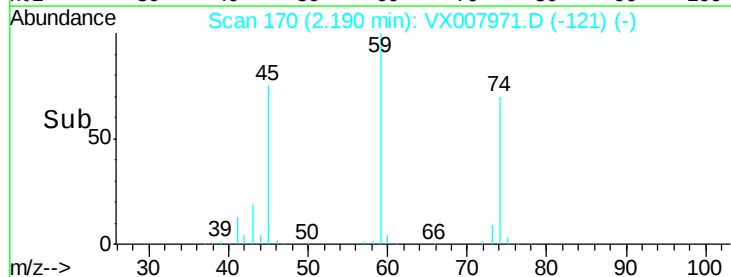
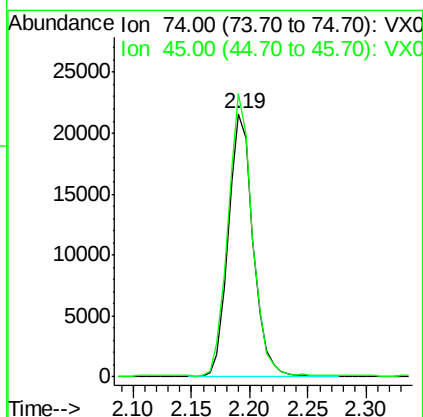
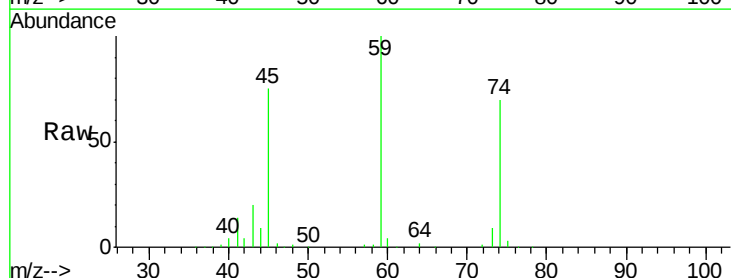
Tot Ion:101 Resp: 75541
Ion Ratio Lower Upper
101 100
103 64.1 50.4 75.6

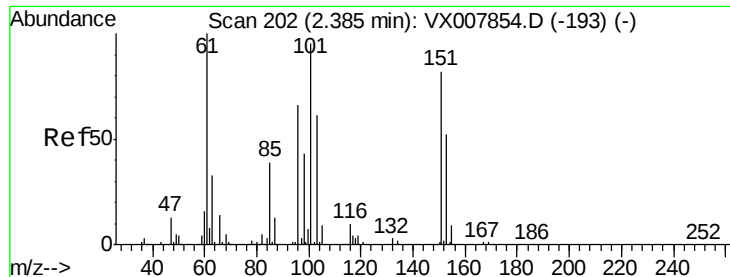


#8

Diethyl Ether
Concen: 19.473 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 74 Resp: 32010
Ion Ratio Lower Upper
74 100
45 105.5 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.624 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

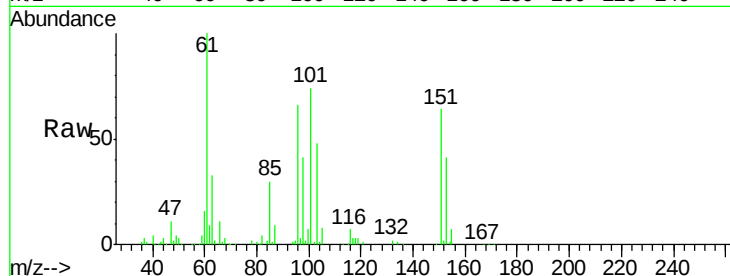
Tot Ion:101 Resp: 48515

Ion Ratio Lower Upper

101 100

85 40.5 33.8 50.6

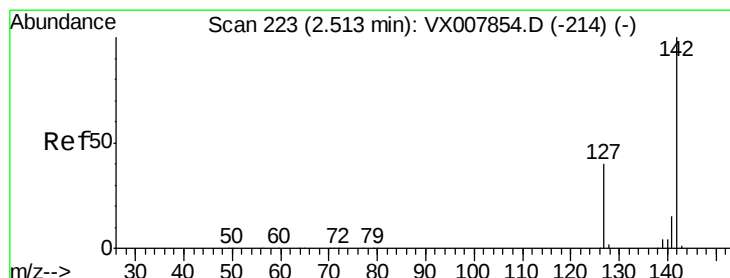
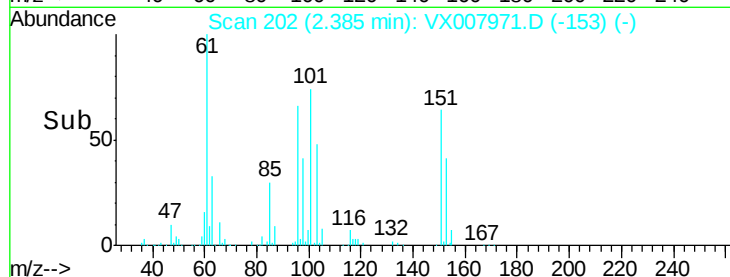
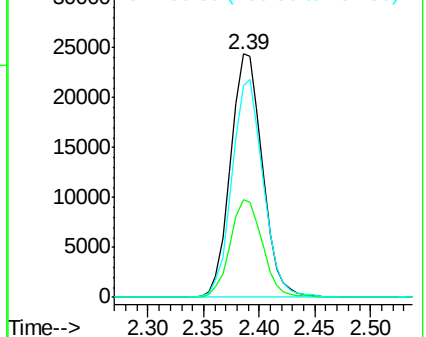
151 87.5 69.1 103.7



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: 18.985 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

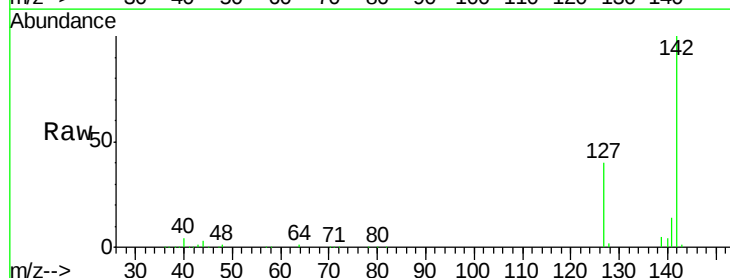
Tgt Ion:142 Resp: 63359

Ion Ratio Lower Upper

142 100

127 39.4 32.1 48.1

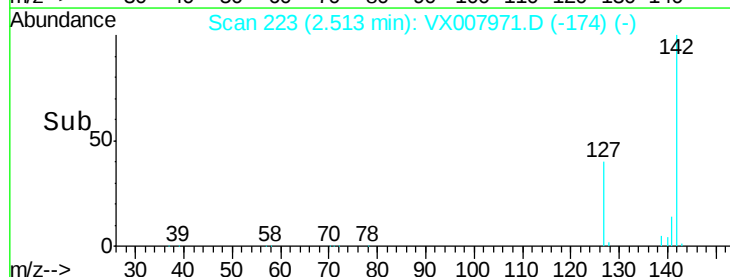
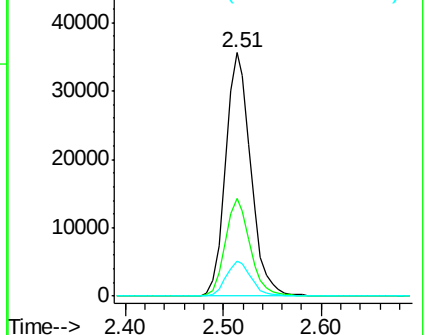
141 14.4 11.4 17.2

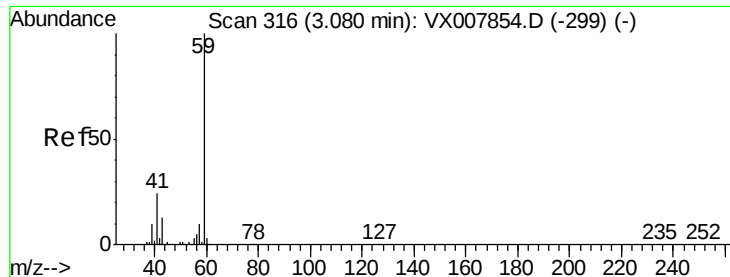


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

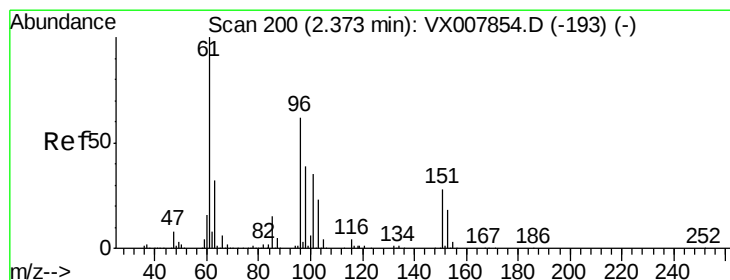
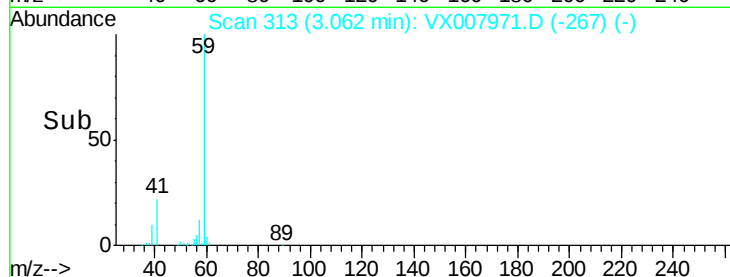
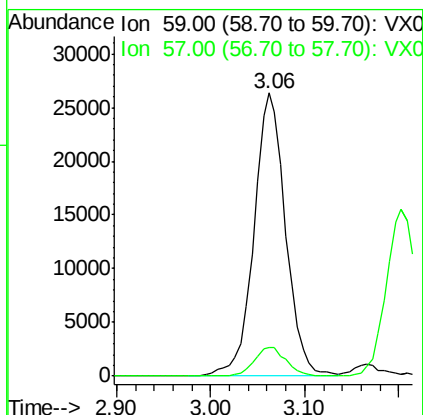
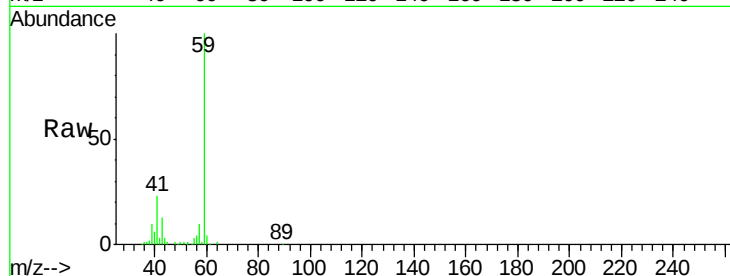




#11
Tert butyl alcohol
Concen: 98.757 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

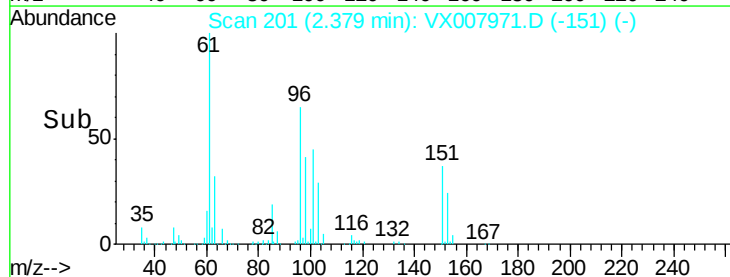
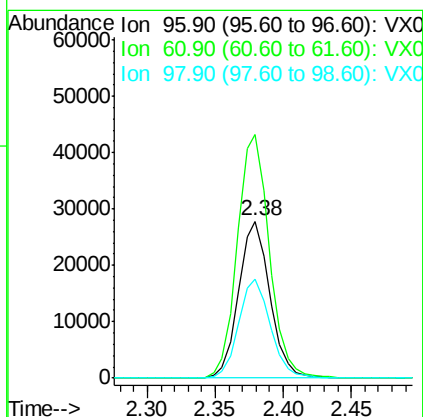
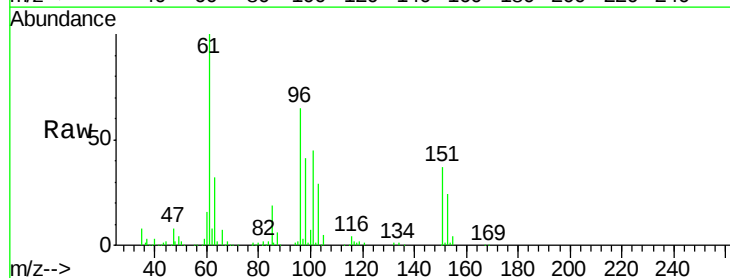
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tot Ion: 59 Resp: 62093
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.804 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 96 Resp: 44907
Ion Ratio Lower Upper
96 100
61 155.0 129.8 194.6
98 63.4 51.0 76.6





#13

Acrolein

Concen: 91.592 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

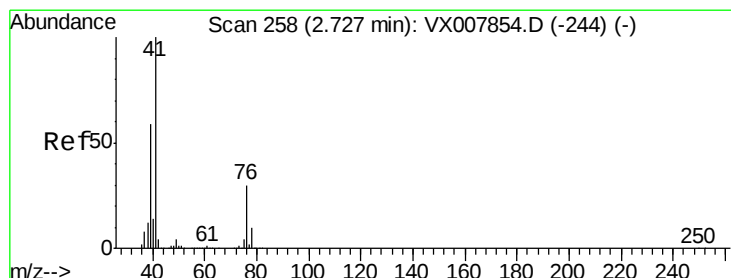
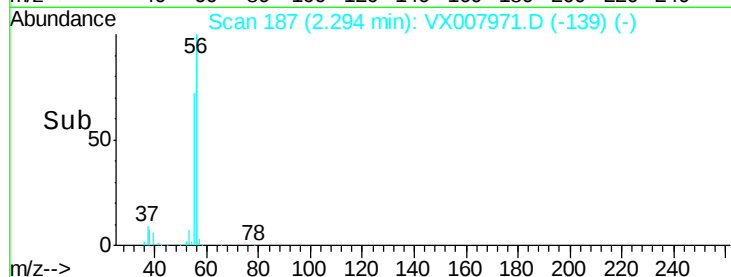
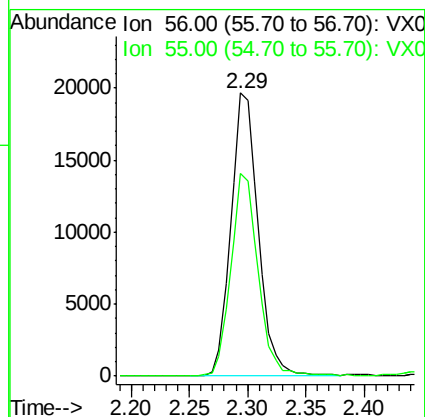
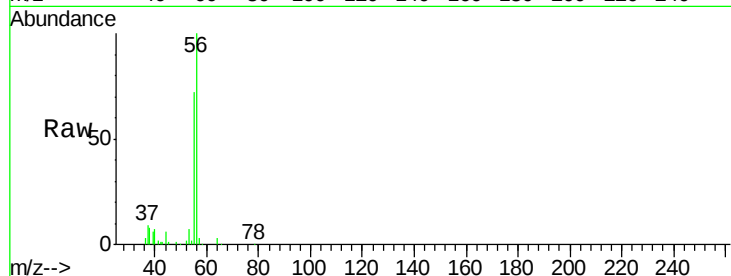
VX0311WBS02

Tot Ion: 56 Resp: 32240

Ion Ratio Lower Upper

56 100

55 71.6 57.8 86.6



#14

Allyl chloride

Concen: 18.842 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

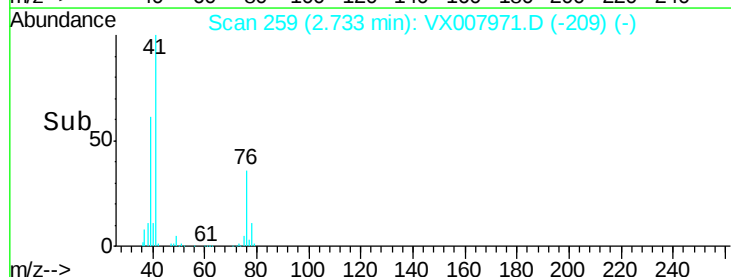
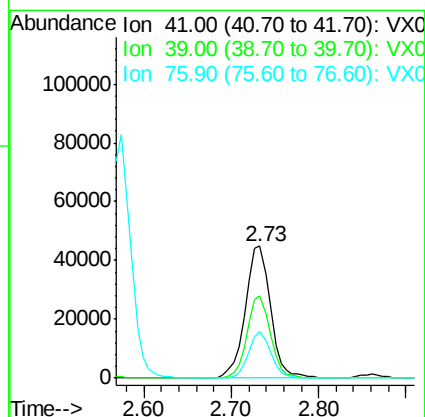
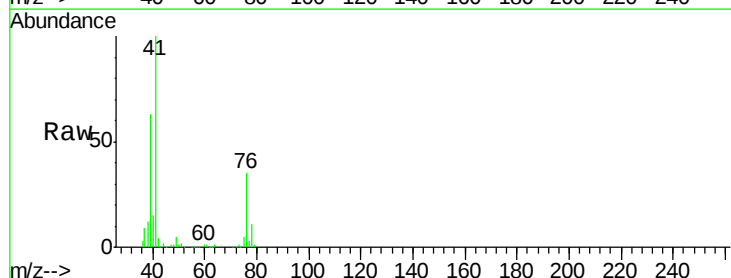
Tgt Ion: 41 Resp: 89780

Ion Ratio Lower Upper

41 100

39 57.7 46.1 69.1

76 31.2 24.0 36.0





#15

Acrylonitrile

Concen: 95.179 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

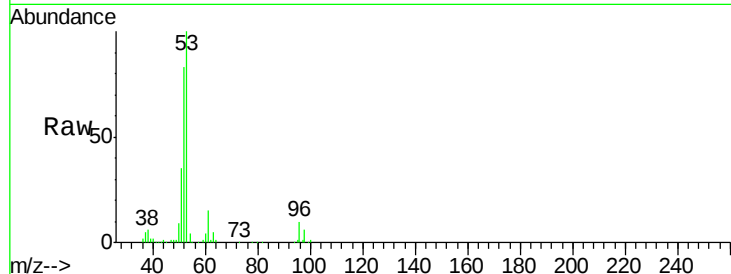
MSVOA_X

ClientSampleId :

VX0311WBS02

Tot Ion: 53 Resp: 151050

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	34.9	28.0	42.0

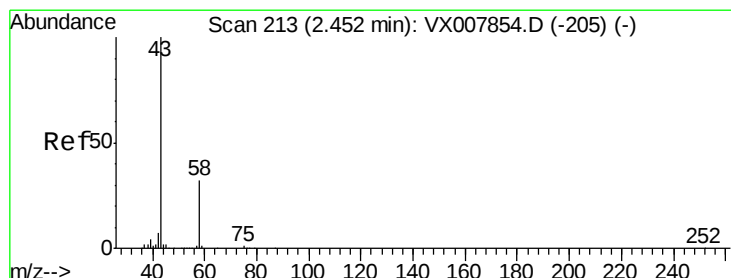
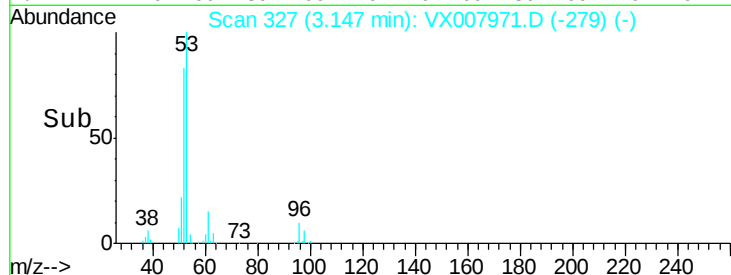
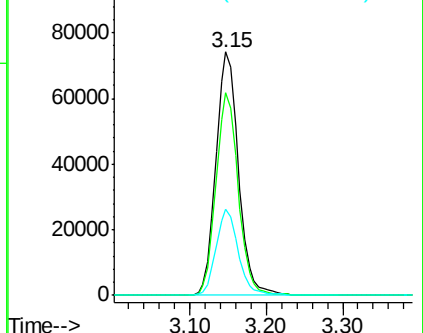


Abundance

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: 86.626 ug/l

RT: 2.45 min Scan# 212

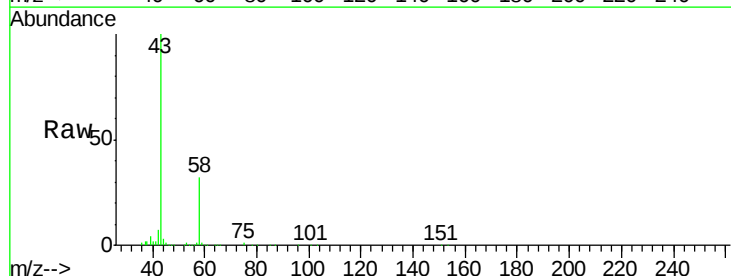
Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion: 43 Resp: 140967

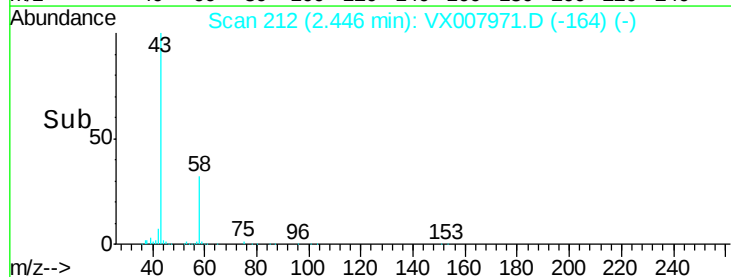
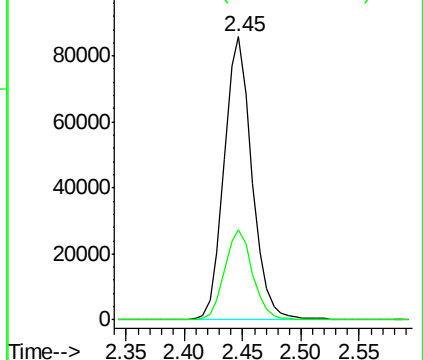
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3

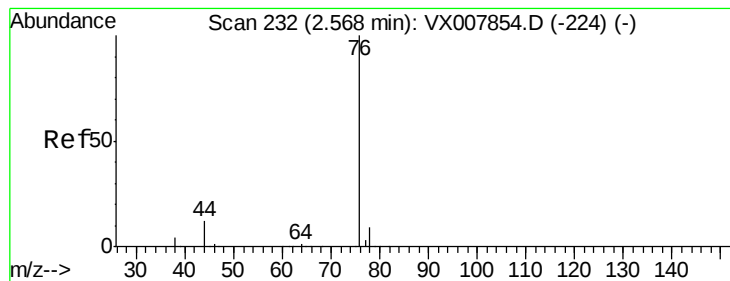


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.226 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

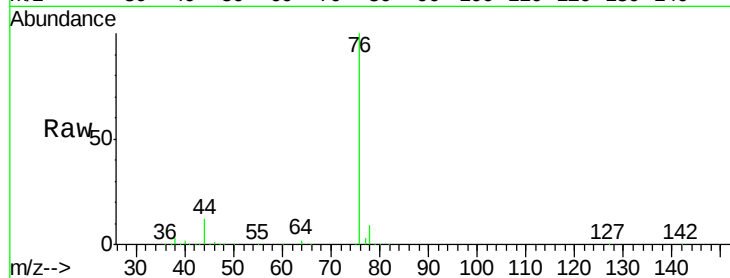
VX0311WBS02

Tot Ion: 76 Resp: 134291

Ion Ratio Lower Upper

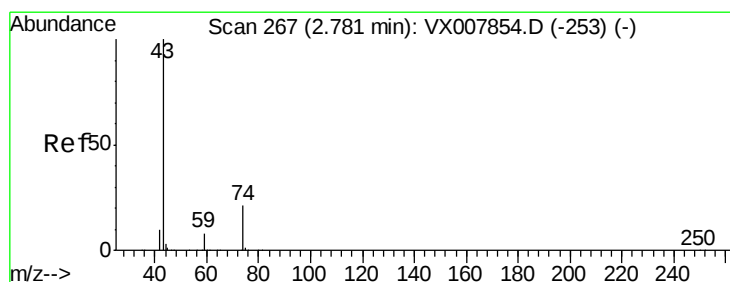
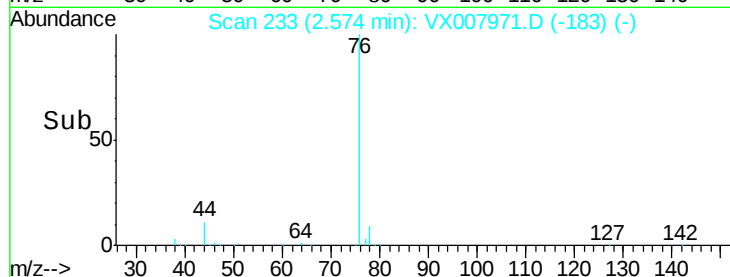
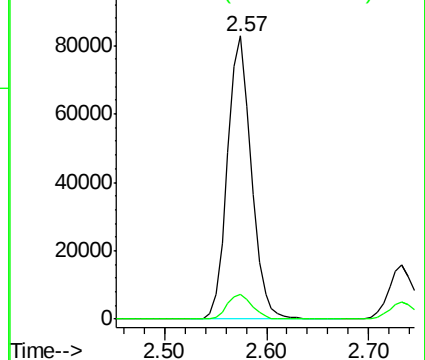
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.882 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007971.D

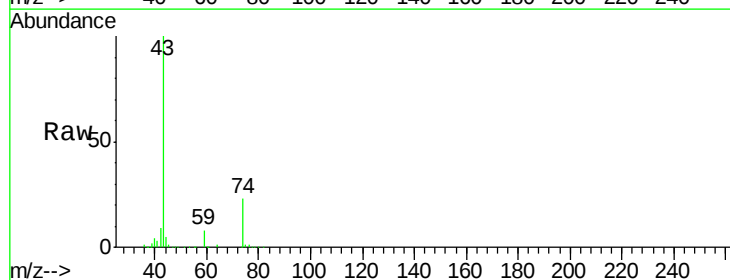
Acq: 11 Mar 2019 15:50

Tgt Ion: 43 Resp: 68736

Ion Ratio Lower Upper

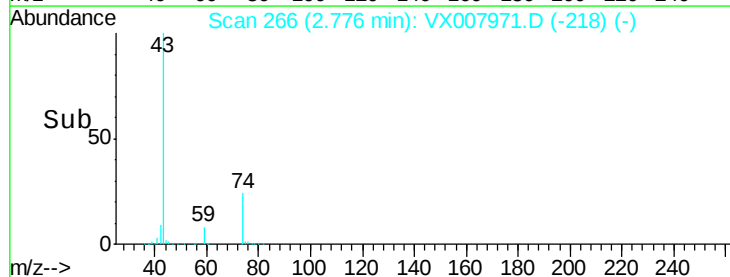
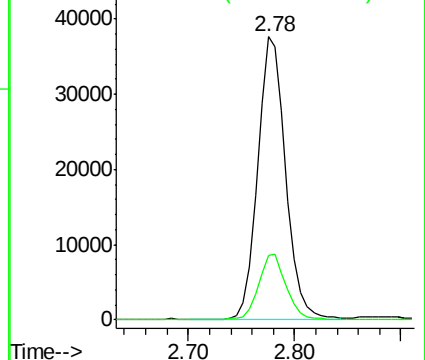
43 100

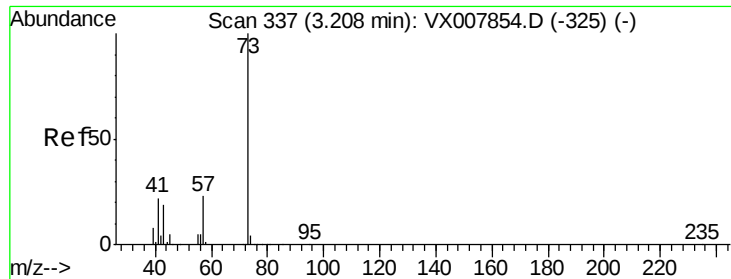
74 23.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

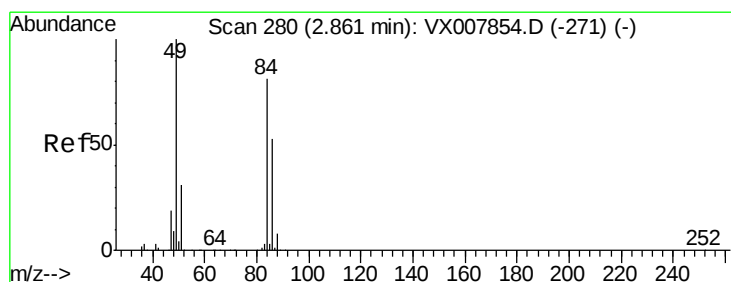
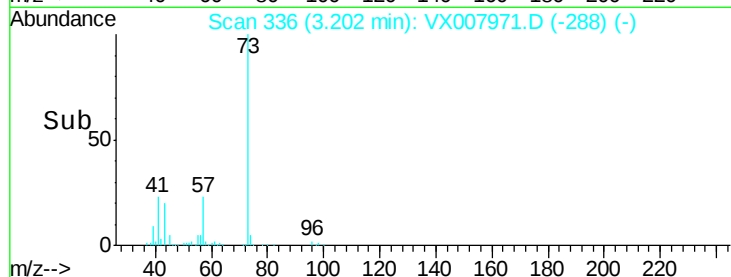
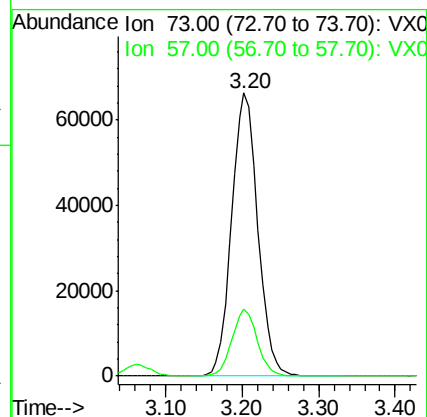
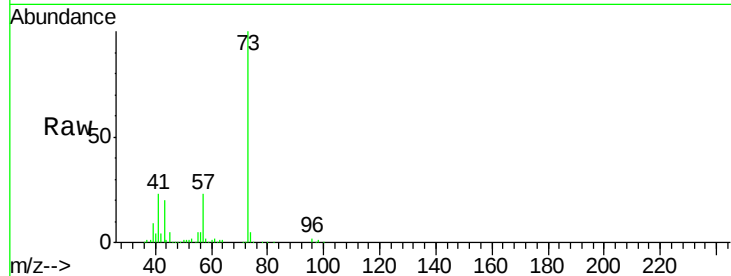




#19
Methyl tert-butyl Ether
Concen: 20.054 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

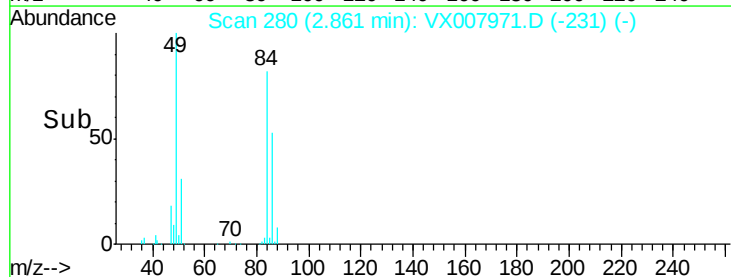
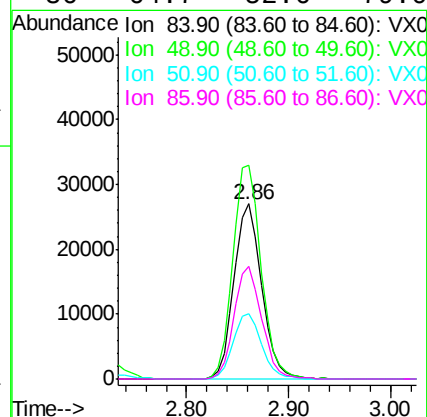
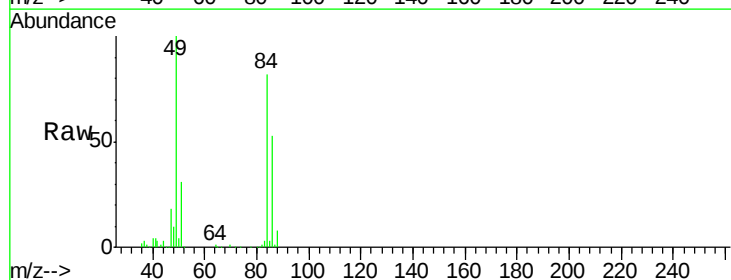
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tot Ion: 73 Resp: 156438
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.4



#20
Methylene Chloride
Concen: 19.569 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 84 Resp: 50682
Ion Ratio Lower Upper
84 100
49 122.1 99.3 148.9
51 37.7 31.3 46.9
86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.660 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

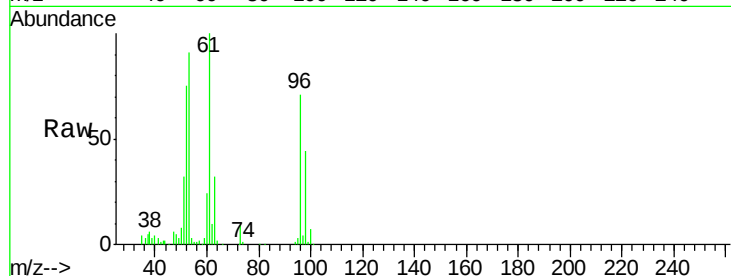
Tot Ion: 96 Resp: 49052

Ion Ratio Lower Upper

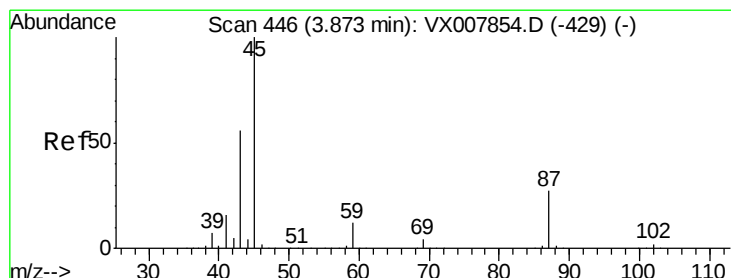
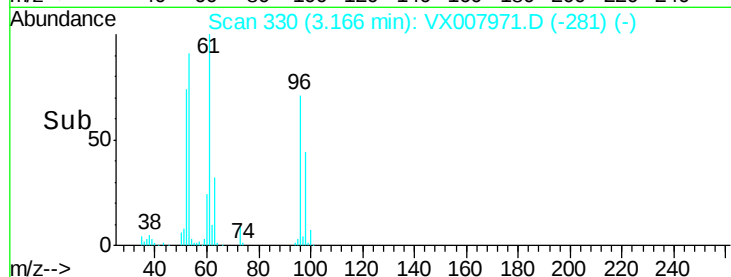
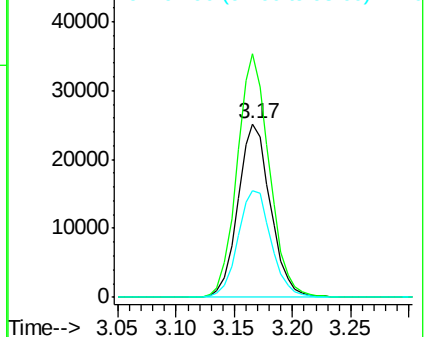
96 100

61 140.1 114.4 171.6

98 61.3 51.1 76.7



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: 19.056 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion: 45 Resp: 166443

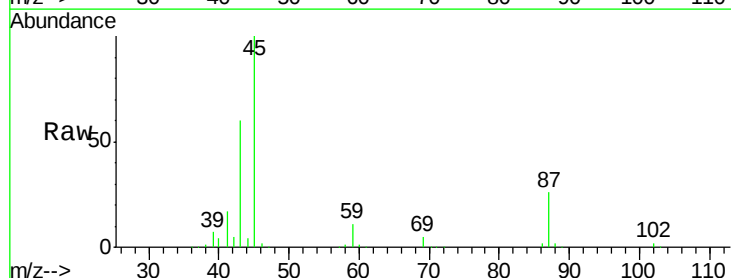
Ion Ratio Lower Upper

45 100

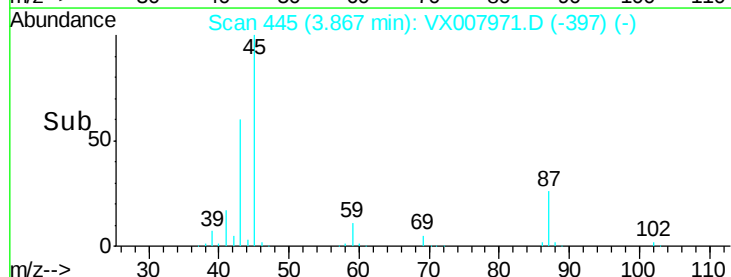
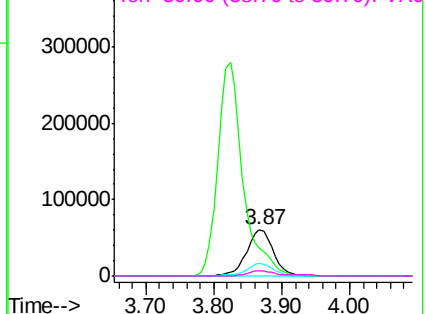
43 60.0 45.3 67.9

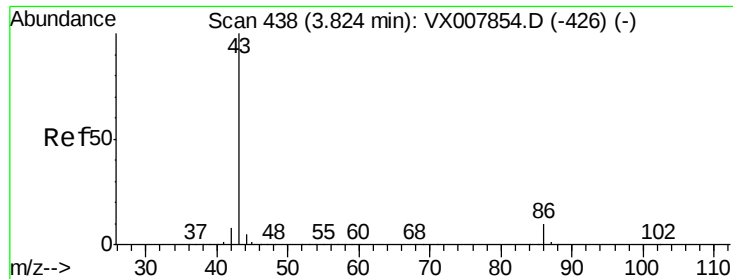
87 26.4 21.4 32.0

59 11.4 9.5 14.3



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: 94.269 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

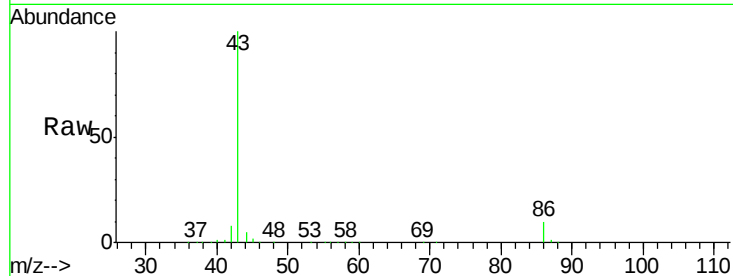
VX0311WBS02

Tot Ion: 43 Resp: 722050

Ion Ratio Lower Upper

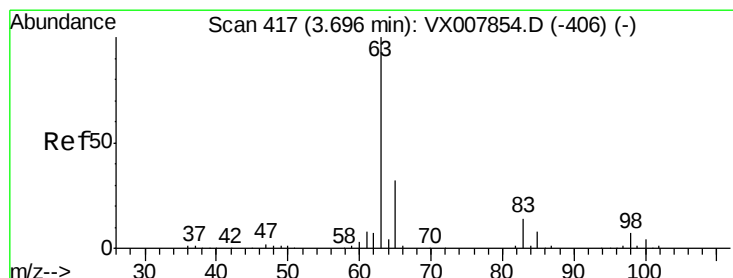
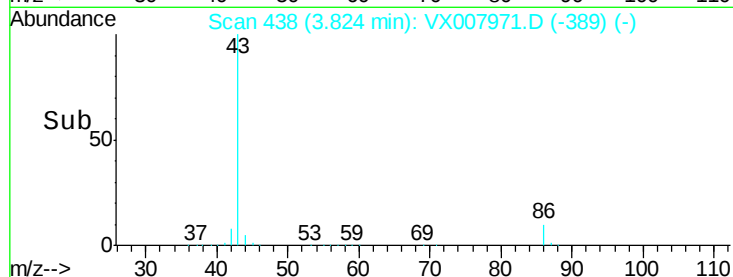
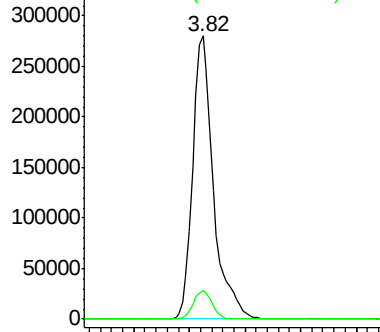
43 100

86 10.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.060 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

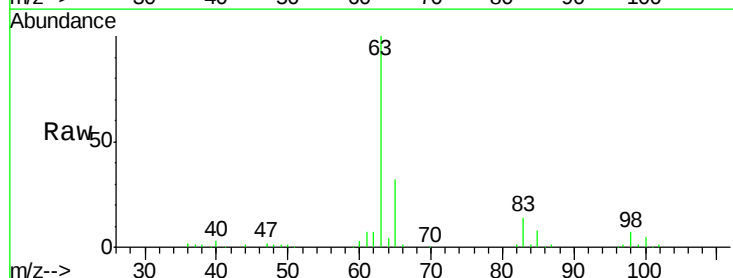
Tgt Ion: 63 Resp: 94291

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

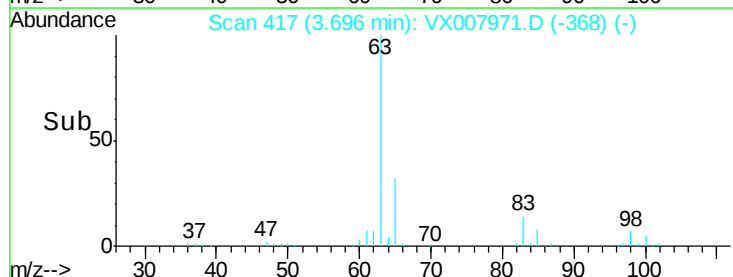
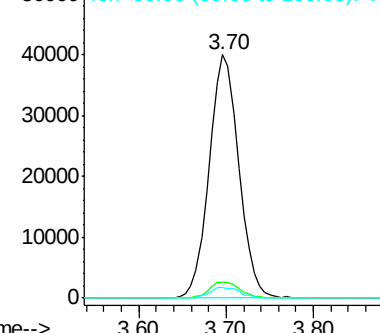
100 4.6 2.3 6.8

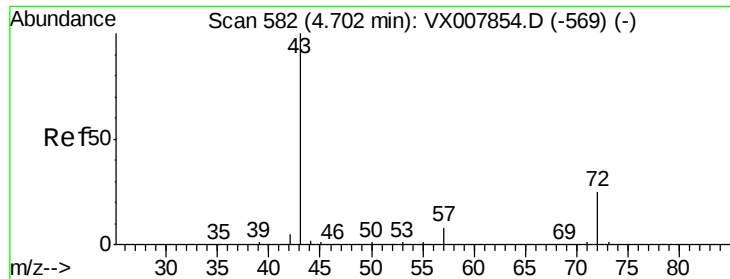


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 90.232 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

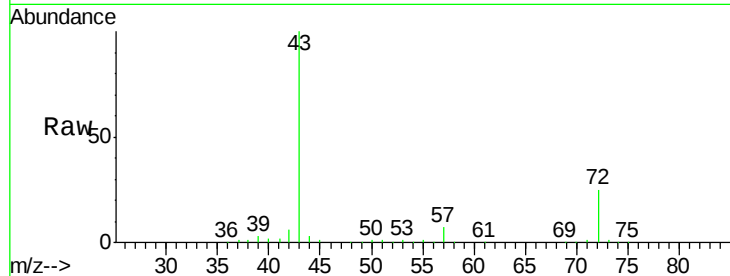
VX0311WBS02

Tot Ion: 43 Resp: 207882

Ion Ratio Lower Upper

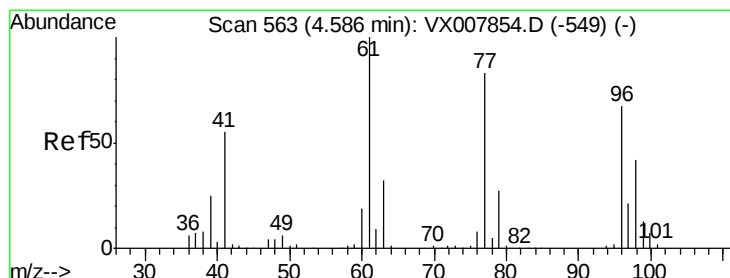
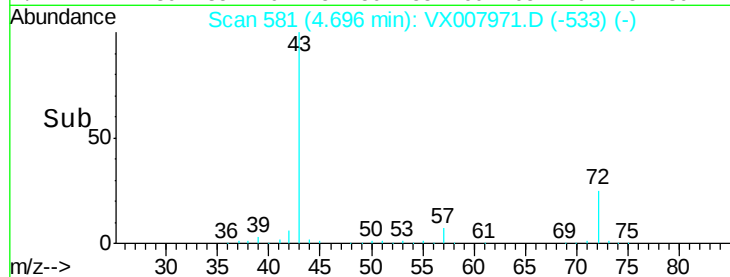
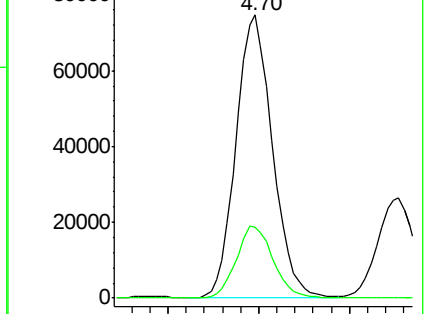
43 100

72 25.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.578 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007971.D

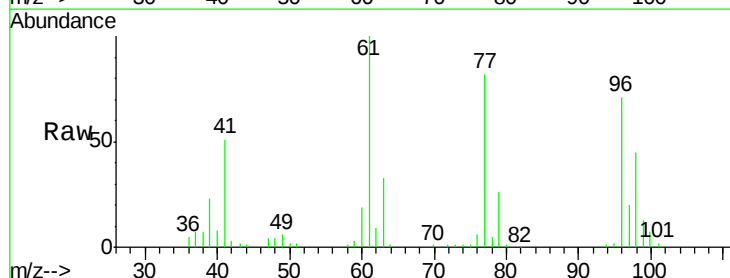
Acq: 11 Mar 2019 15:50

Tgt Ion: 77 Resp: 60968

Ion Ratio Lower Upper

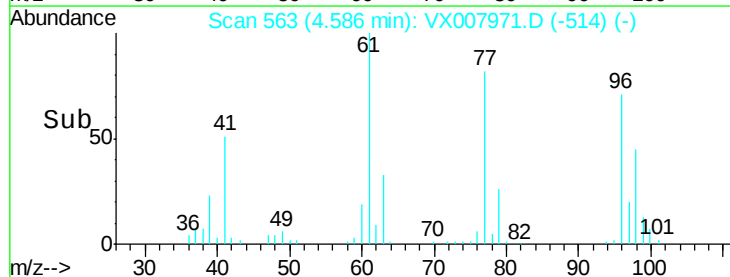
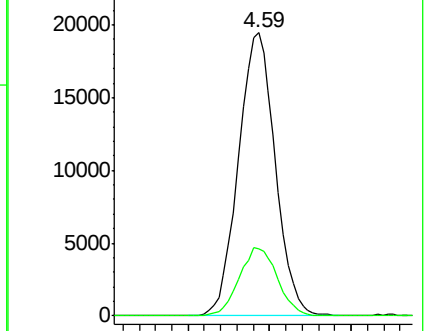
77 100

97 24.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



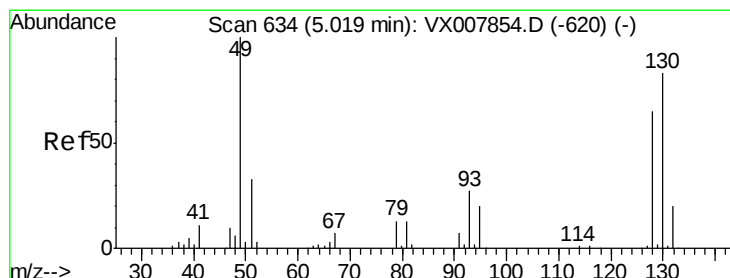
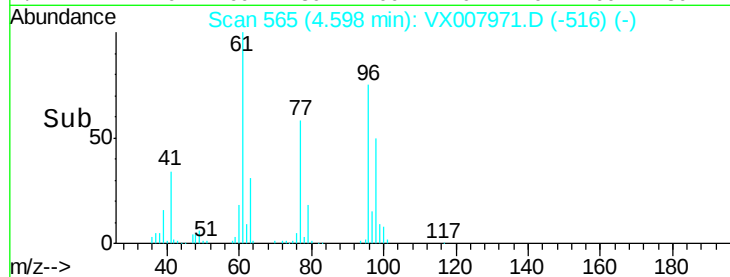
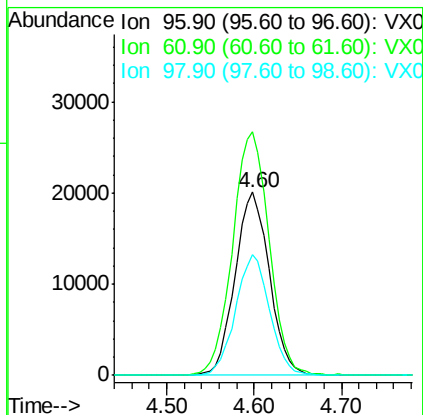
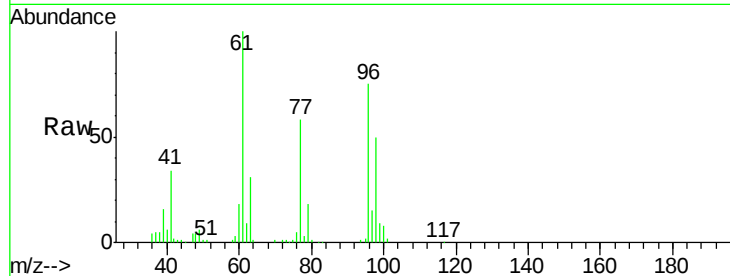


#27

cis-1,2-Dichloroethene
Concen: 19.239 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS02

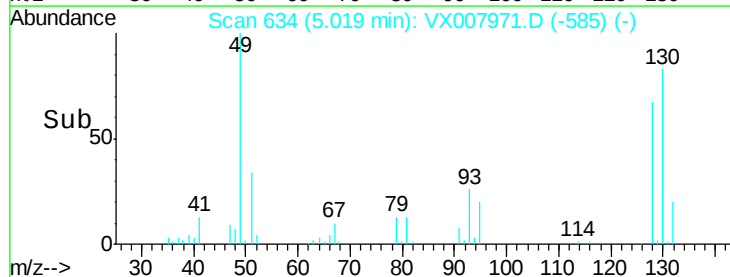
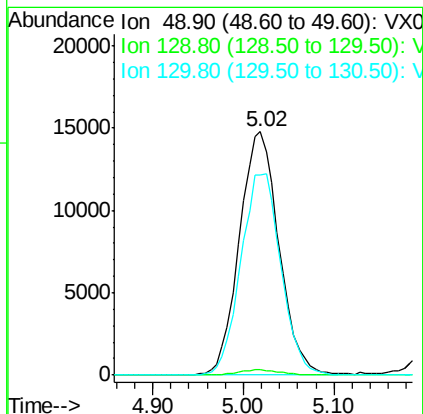
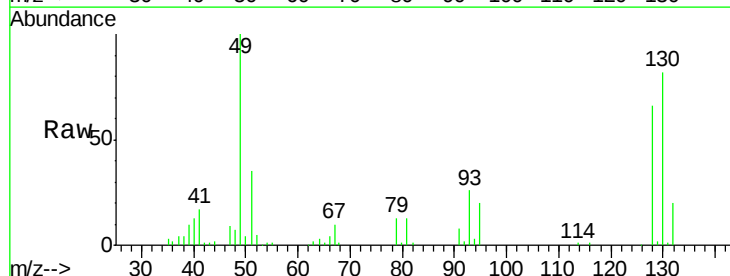
Tot Ion: 96 Resp: 54929
Ion Ratio Lower Upper
96 100
61 141.1 0.0 288.0
98 65.1 0.0 129.0



#28

Bromochloromethane
Concen: 20.372 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 49 Resp: 44643
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.0
130 84.0 65.0 97.4

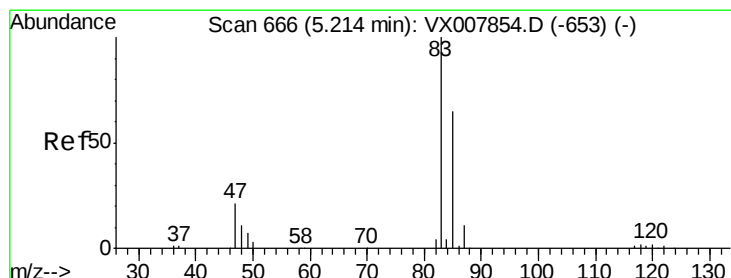
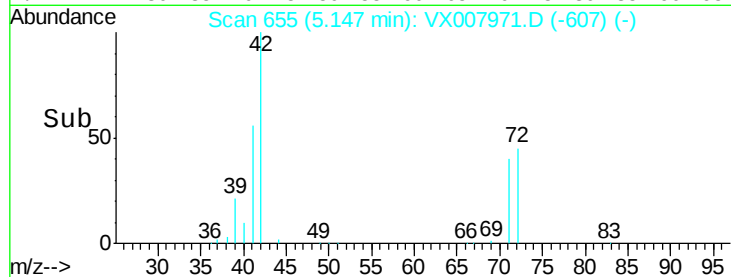
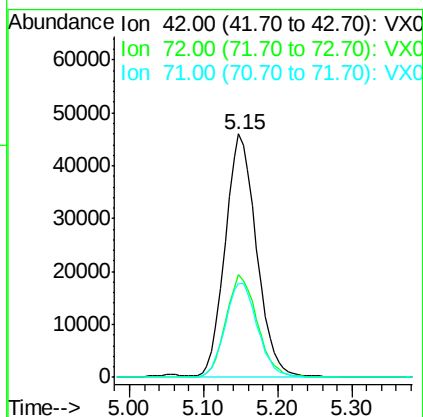
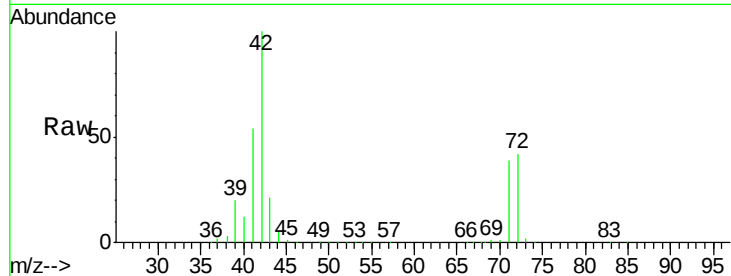




#29
Tetrahydrofuran
Concen: 94.170 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

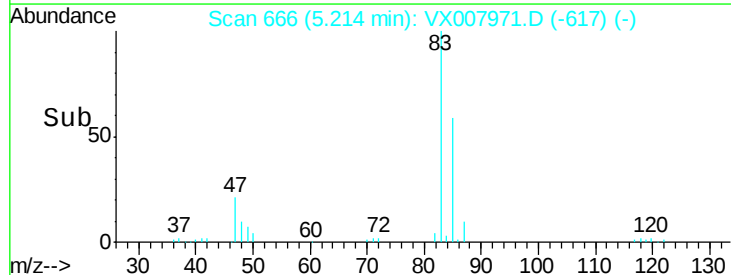
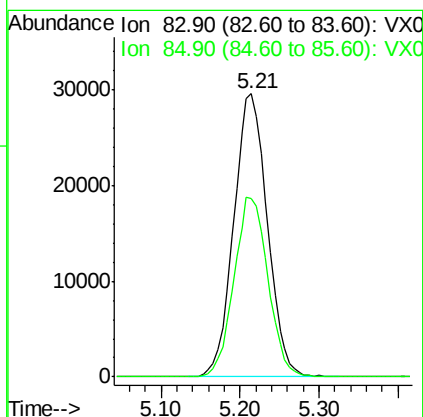
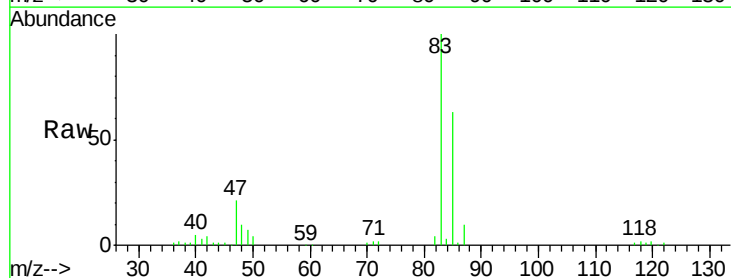
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

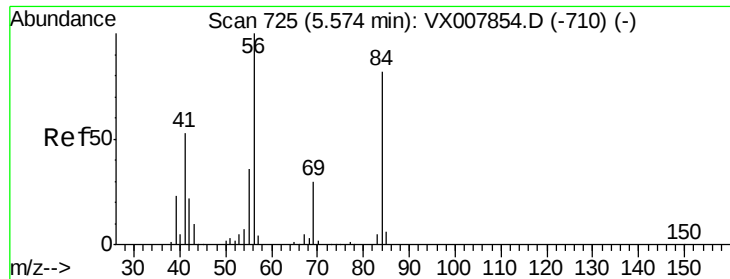
Tot Ion: 42 Resp: 135328
Ion Ratio Lower Upper
42 100
72 42.5 33.8 50.6
71 40.1 31.5 47.3



#30
Chloroform
Concen: 19.723 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 83 Resp: 87694
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

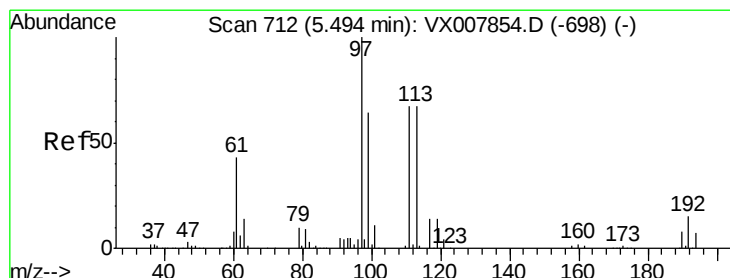
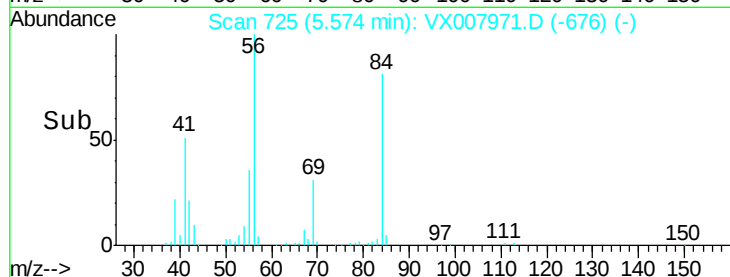
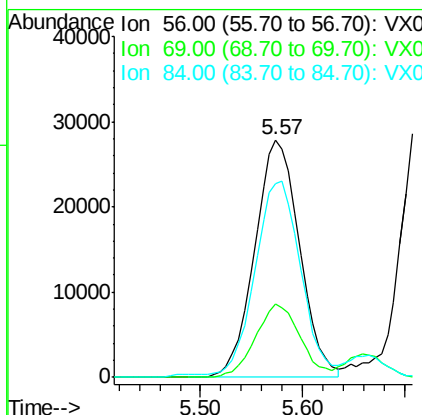
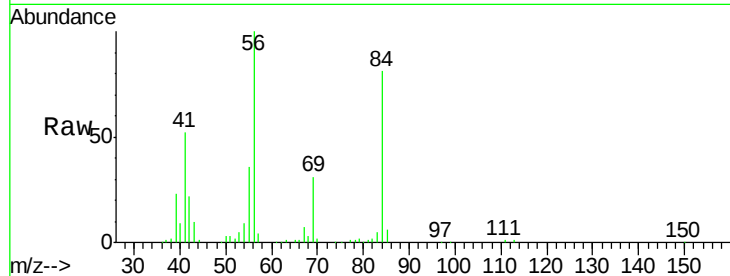




#31
Cyclohexane
Concen: 19.656 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

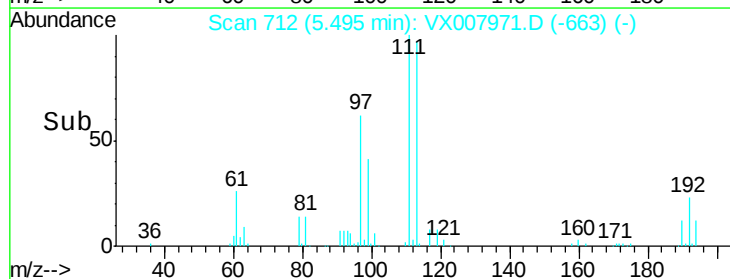
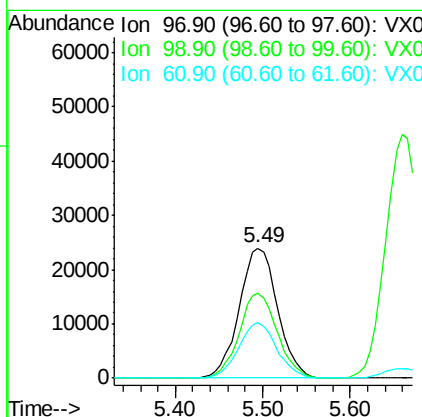
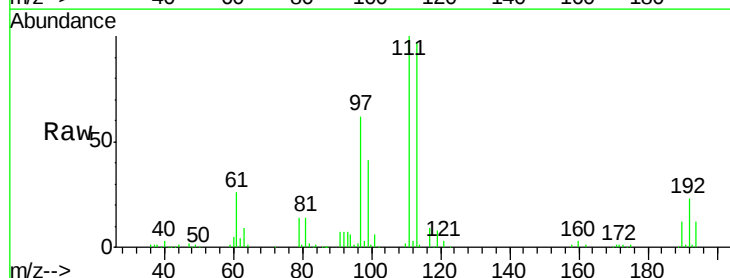
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

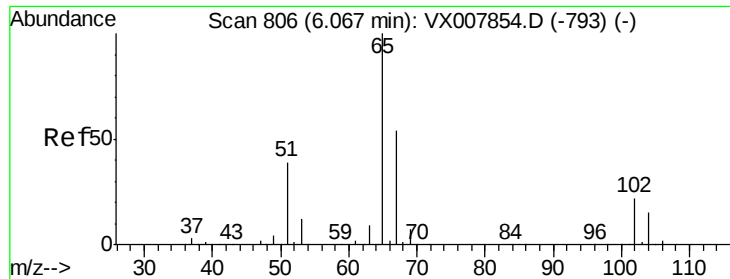
Tot Ion	56	Resp	84916
Ion Ratio	Lower	Upper	
56	100		
69	30.6	24.0	36.0
84	80.1	65.3	97.9



#32
1,1,1-Trichloroethane
Concen: 19.748 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	97	Resp	72854
Ion Ratio	Lower	Upper	
97	100		
99	65.1	52.2	78.2
61	42.8	34.9	52.3

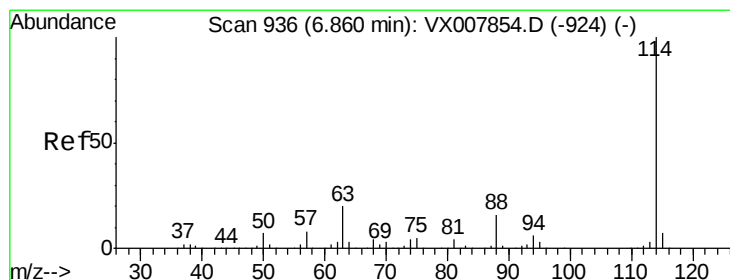
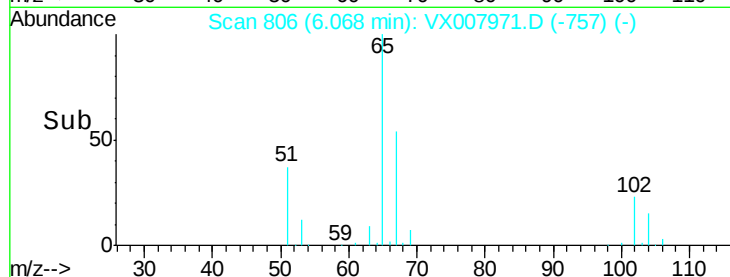
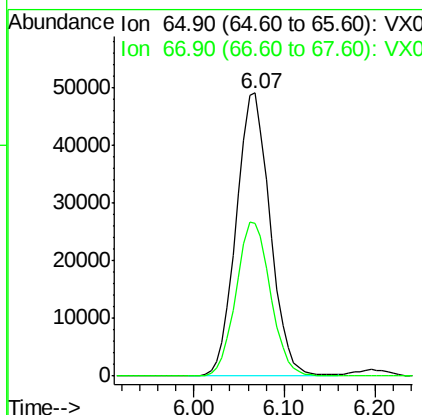
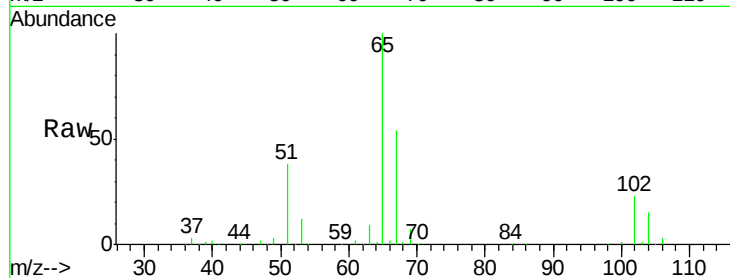




#33
 1,2-Dichloroethane-d4
 Concen: 45.391 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

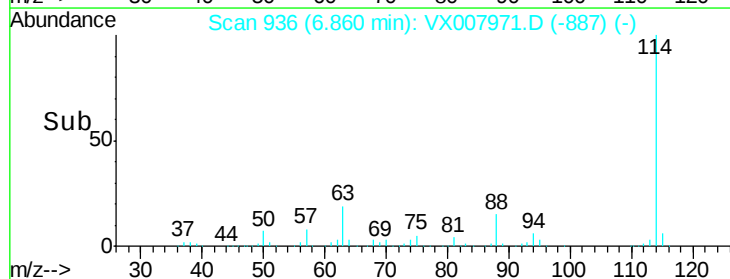
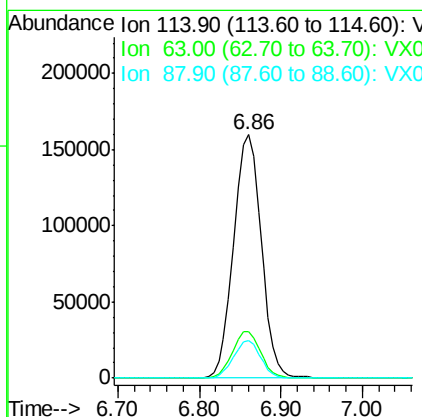
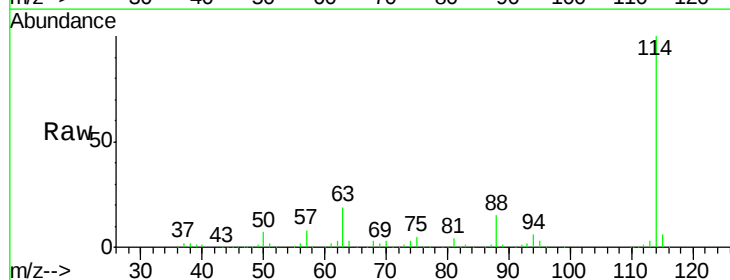
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

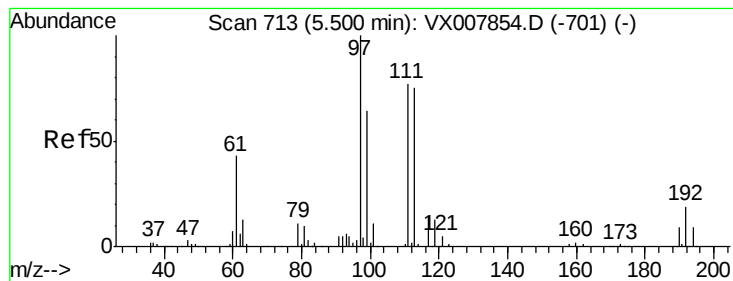
Tot Ion: 65 Resp: 127618
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion: 114 Resp: 375825
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.360 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS02

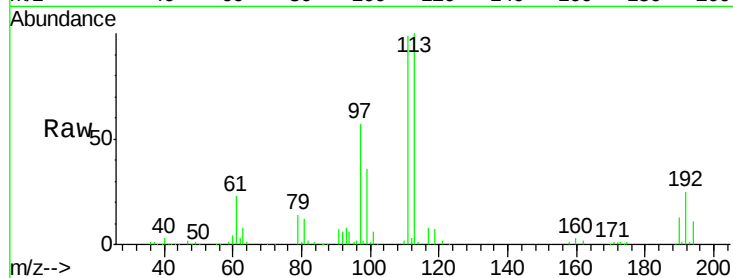
Tot Ion:113 Resp: 113854

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

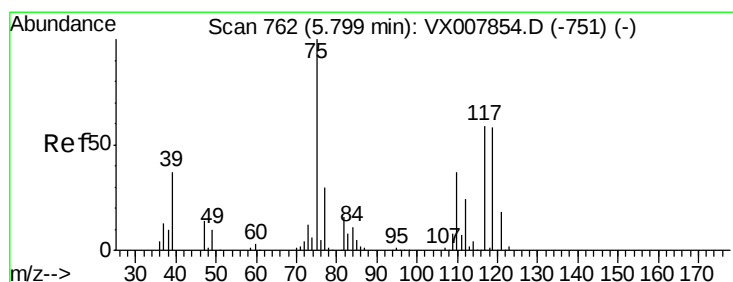
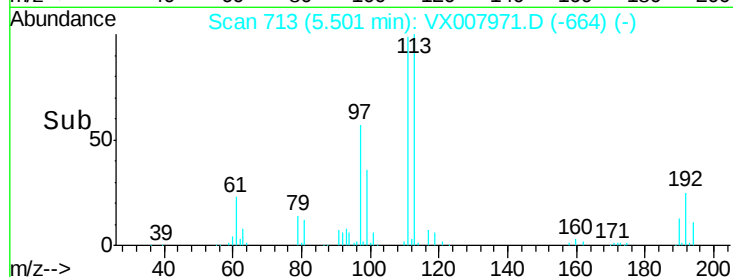
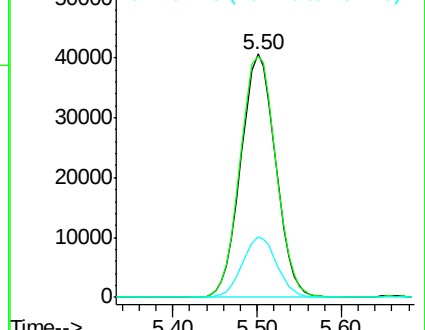
192 24.7 19.4 29.0



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: 19.959 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

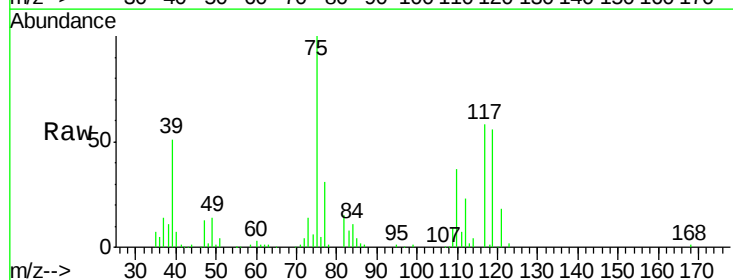
Tgt Ion: 75 Resp: 67921

Ion Ratio Lower Upper

75 100

110 35.9 18.4 55.0

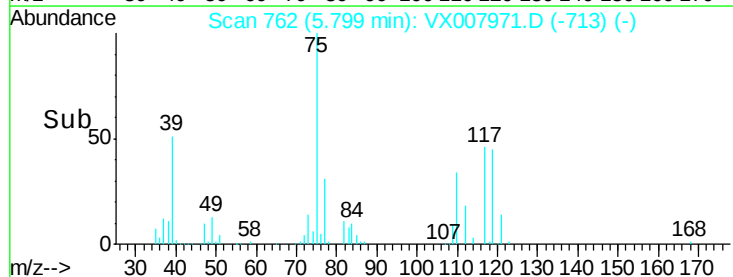
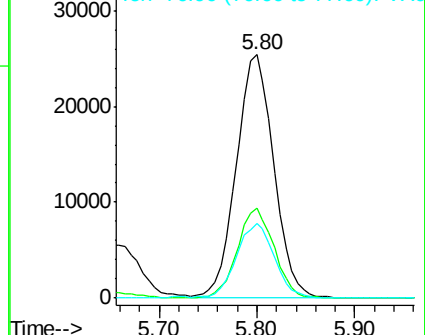
77 31.0 25.0 37.4

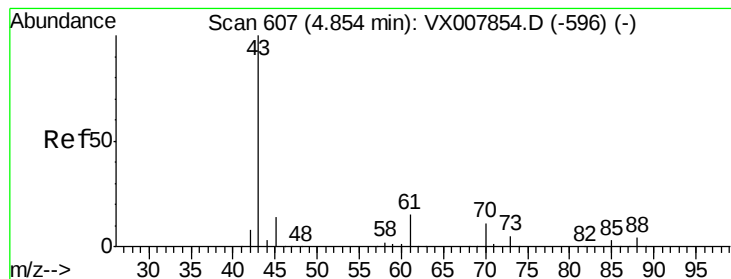


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.805 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

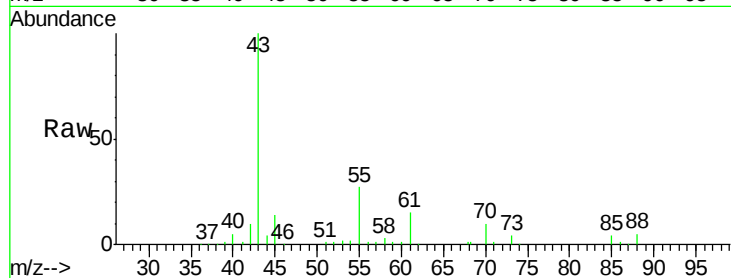
Tot Ion: 43 Resp: 75940

Ion Ratio Lower Upper

43 100

61 14.9 11.3 16.9

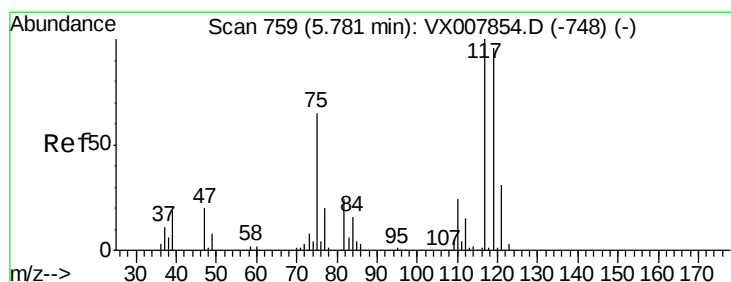
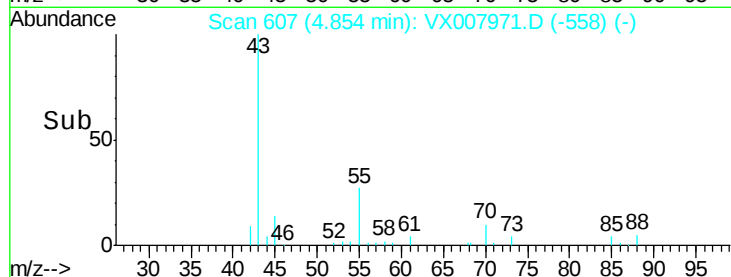
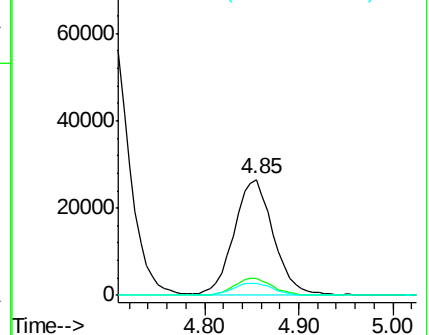
70 10.8 8.5 12.7



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: 19.866 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

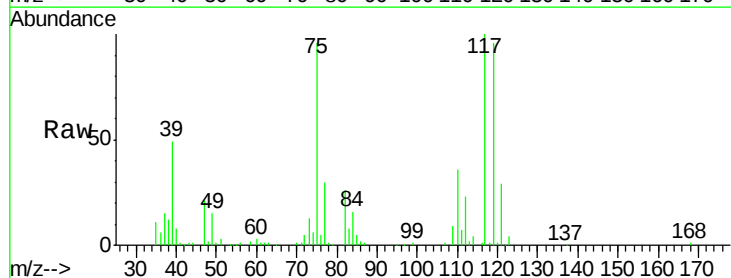
Tgt Ion: 117 Resp: 64183

Ion Ratio Lower Upper

117 100

119 96.1 76.2 114.2

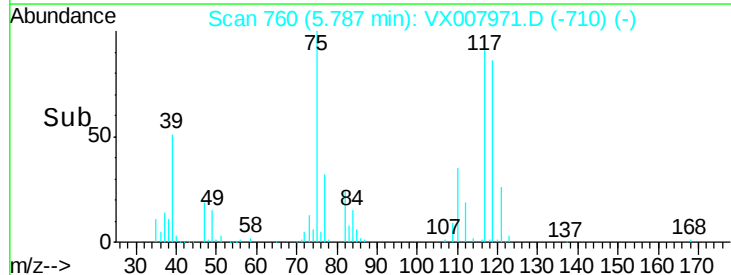
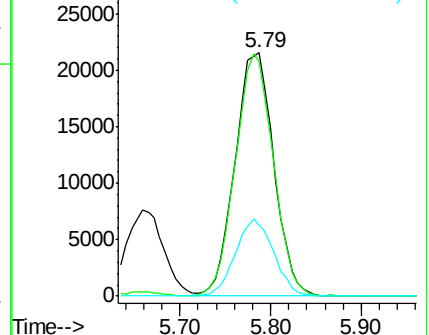
121 28.9 24.6 36.8



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

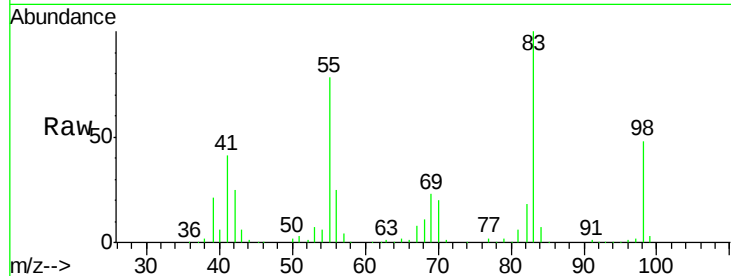




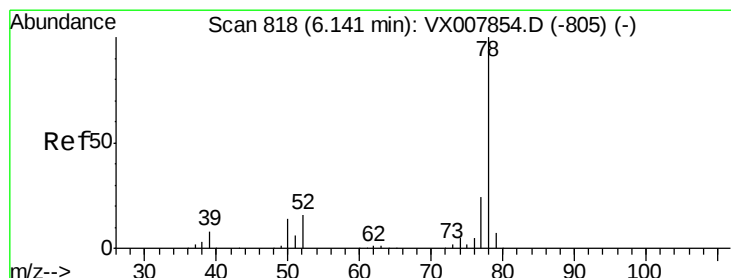
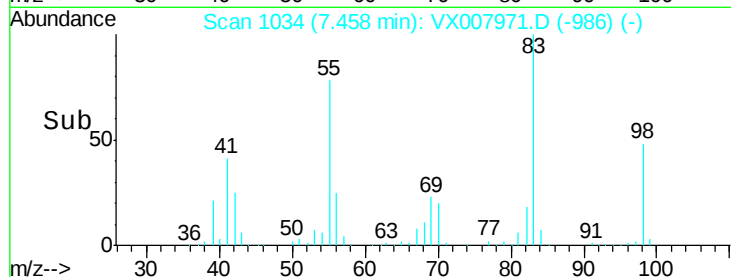
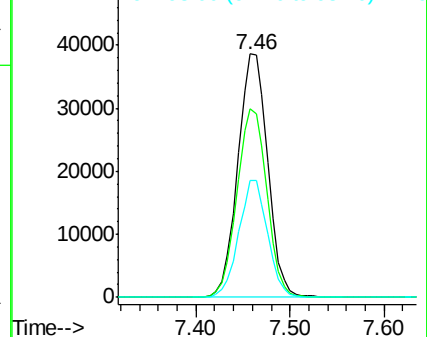
#39
Methvlcvclohexane
Concen: 20.704 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tot Ion: 83 Resp: 85374
Ion Ratio Lower Upper
83 100
55 77.7 60.4 90.6
98 48.1 36.5 54.7

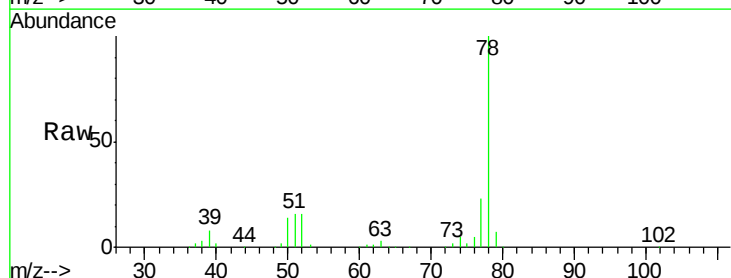


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

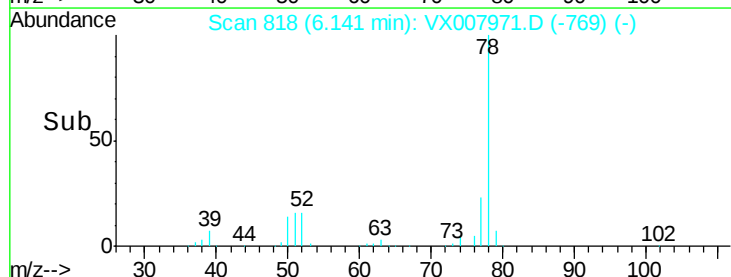
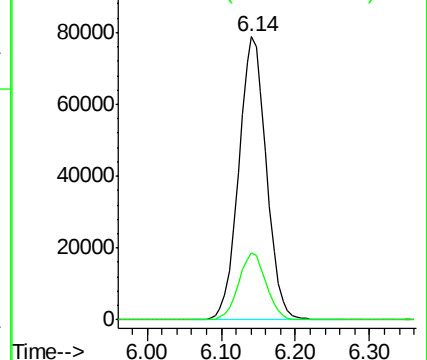


#40
Benzene
Concen: 20.170 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 78 Resp: 204340
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.991 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tot Ion: 41 Resp: 44015

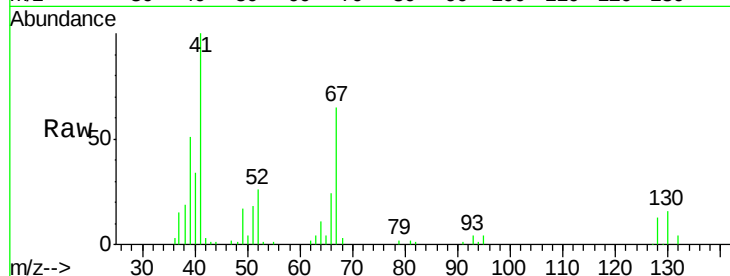
Ion Ratio Lower Upper

41 100

39 51.7 41.6 62.4

67 68.7 55.8 83.6

52 27.4 21.7 32.5

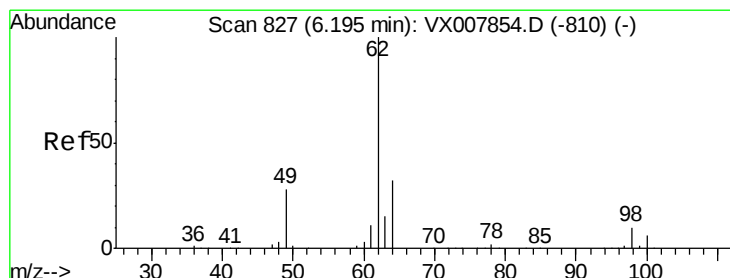
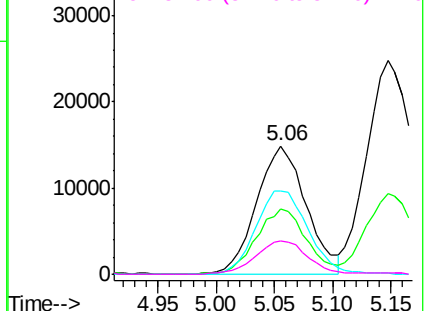
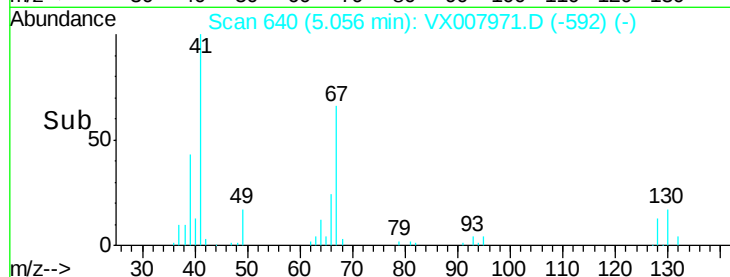


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.794 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007971.D

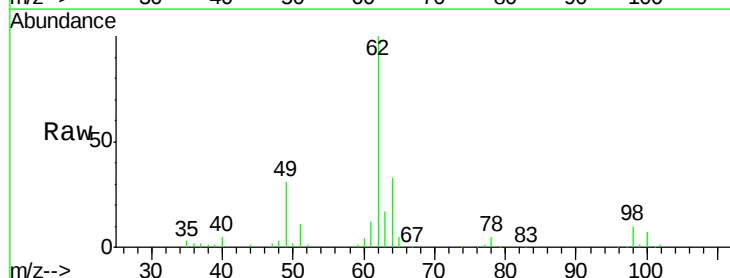
Acq: 11 Mar 2019 15:50

Tgt Ion: 62 Resp: 65582

Ion Ratio Lower Upper

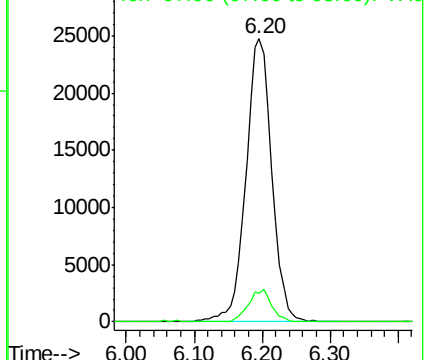
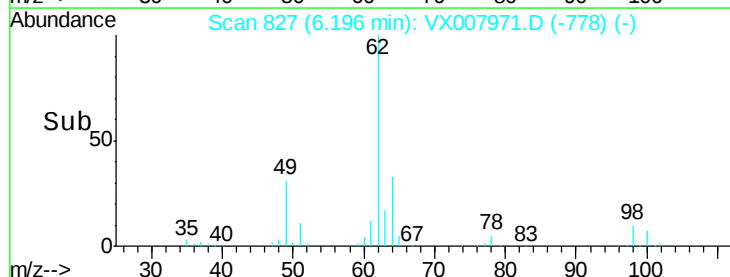
62 100

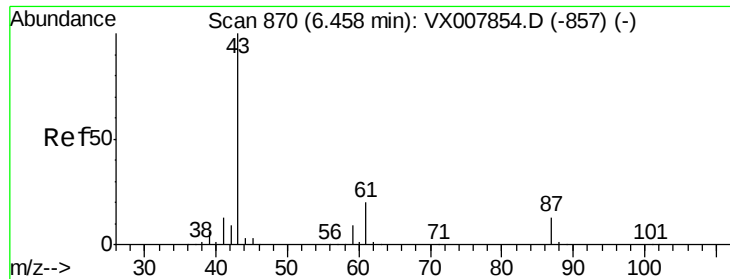
98 10.4 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



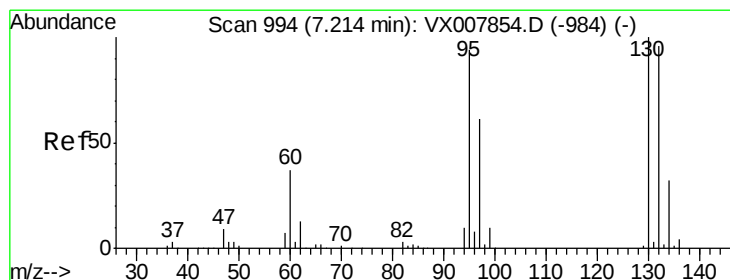
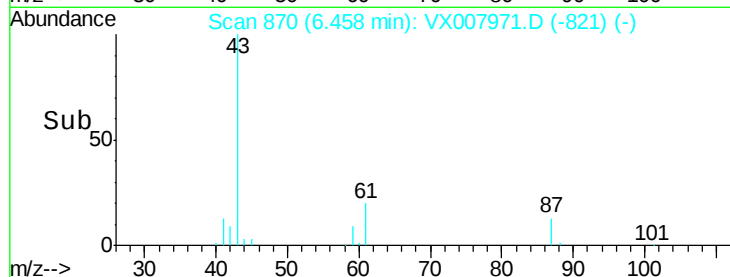
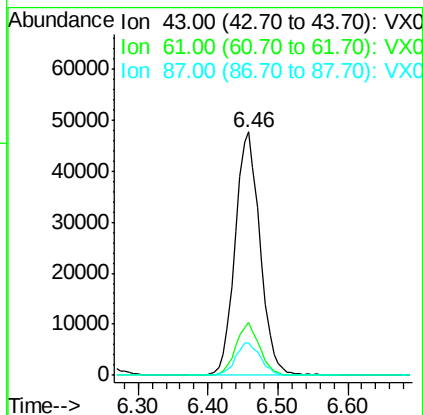
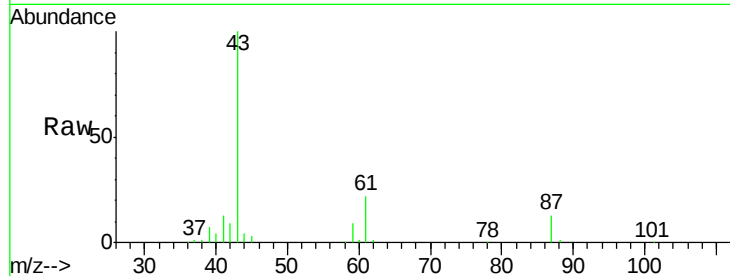


#43

Isopropyl Acetate
 Concen: 19.598 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

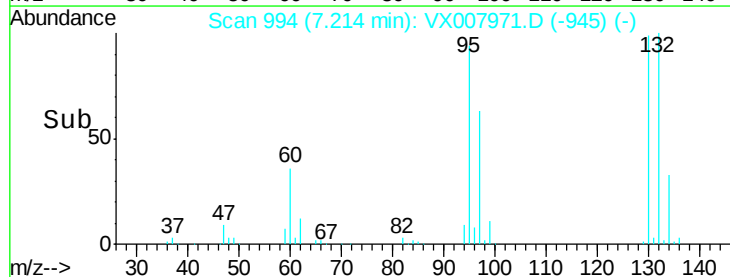
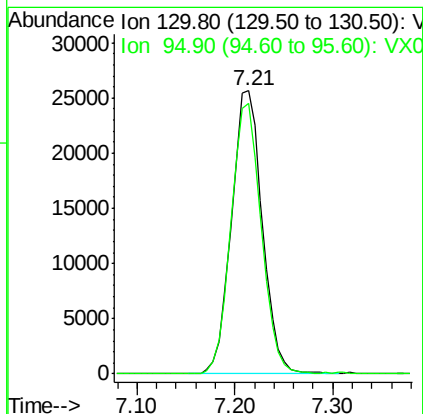
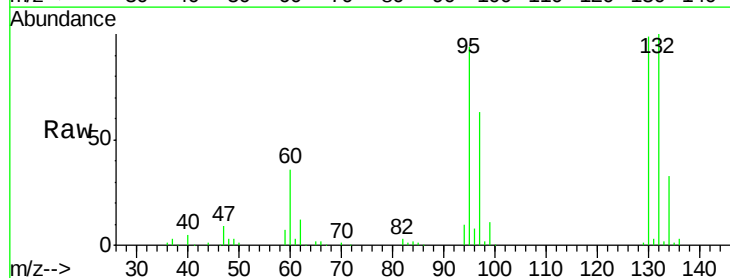
Tot Ion: 43 Resp: 117130
 Ion Ratio Lower Upper
 43 100
 61 20.6 16.3 24.5
 87 13.5 10.5 15.7

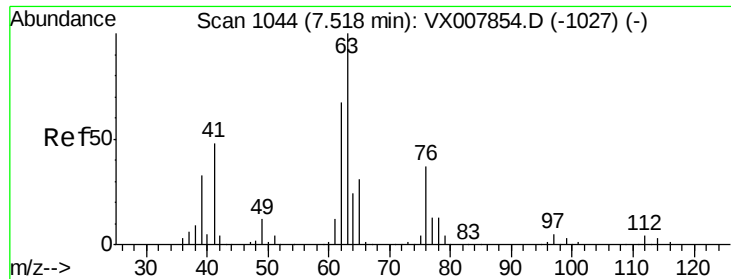


#44

Trichloroethene
 Concen: 20.099 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion:130 Resp: 56114
 Ion Ratio Lower Upper
 130 100
 95 95.5 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.059 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

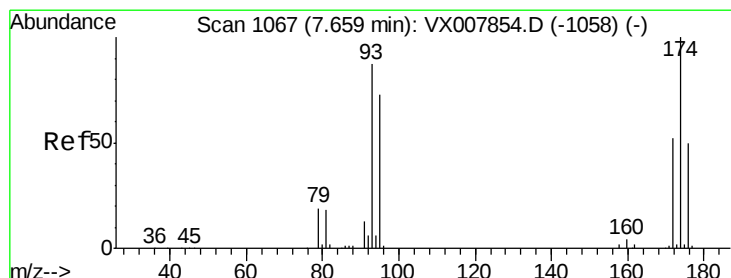
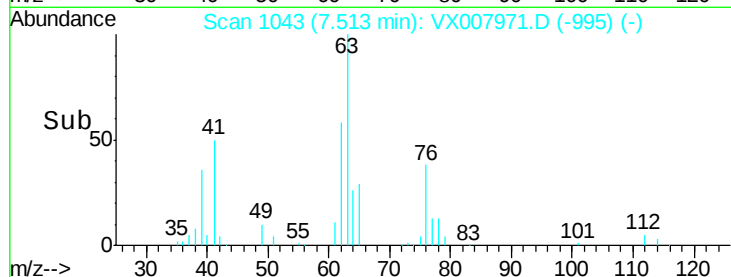
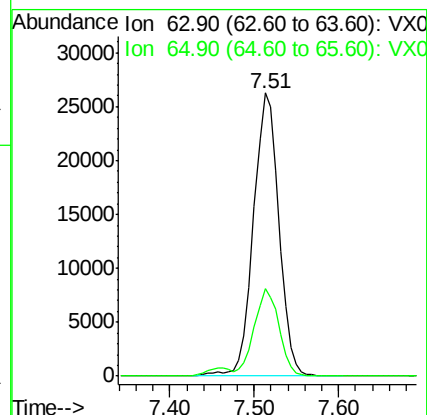
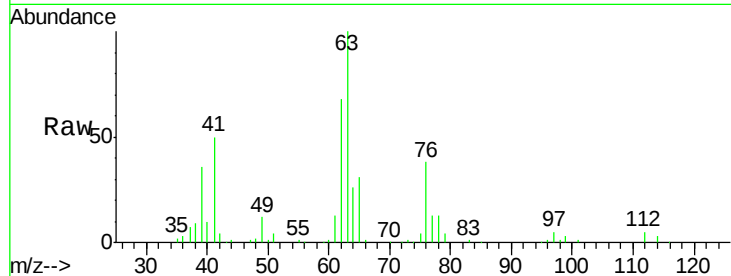
VX0311WBS02

Tot Ion: 63 Resp: 53673

Ion Ratio Lower Upper

63 100

65 30.8 24.7 37.1



#46

Dibromomethane

Concen: 19.875 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

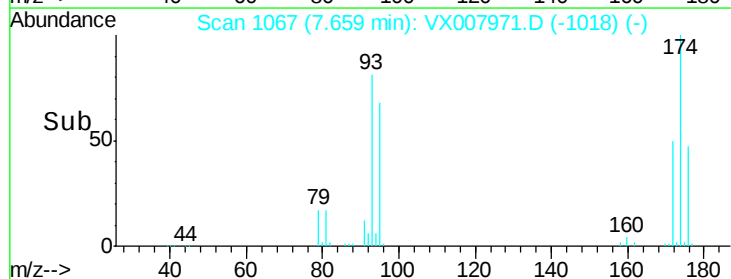
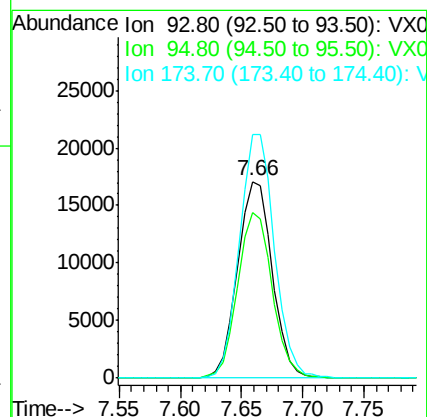
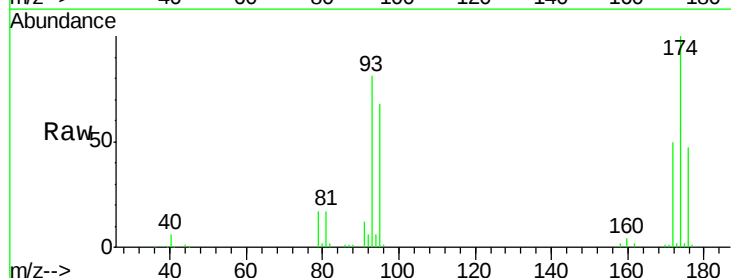
Tgt Ion: 93 Resp: 33655

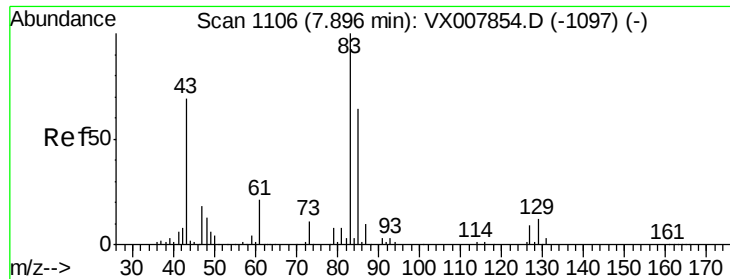
Ion Ratio Lower Upper

93 100

95 84.1 66.8 100.2

174 124.8 97.3 145.9





#47

Bromodichloromethane

Concen: 19.807 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

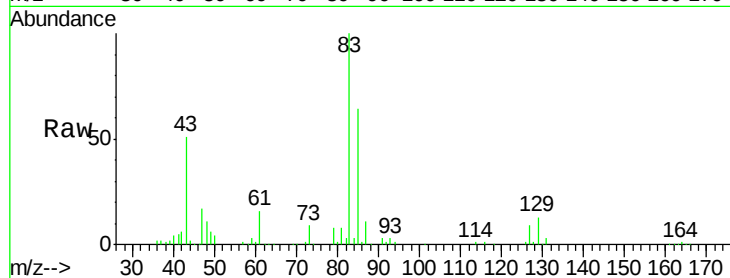
Tot Ion: 83 Resp: 63590

Ion Ratio Lower Upper

83 100

85 64.4 50.9 76.3

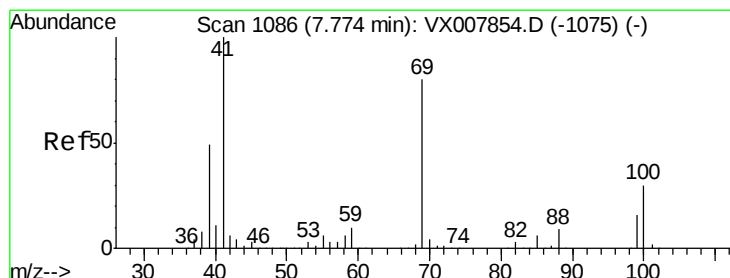
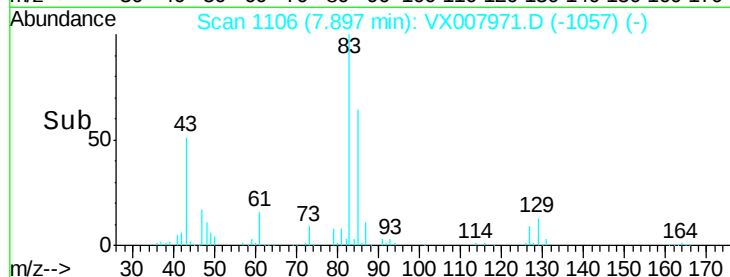
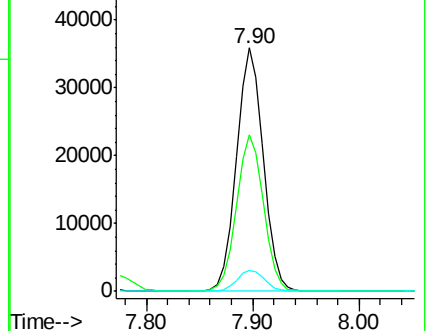
127 8.8 7.4 11.0



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: 19.449 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

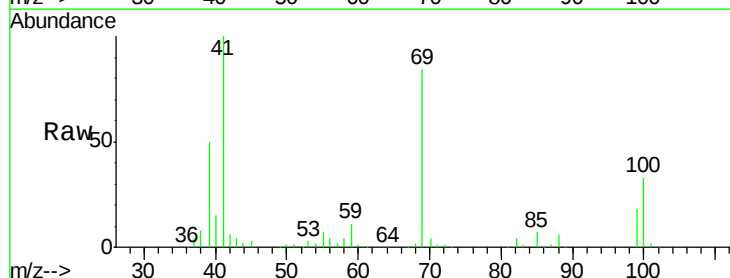
Tgt Ion: 41 Resp: 61114

Ion Ratio Lower Upper

41 100

69 84.8 65.2 97.8

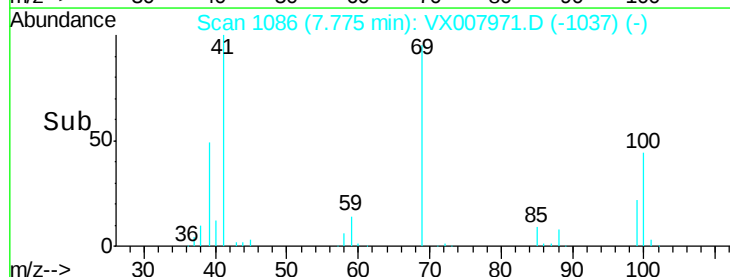
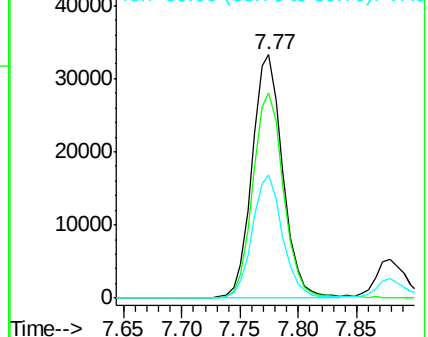
39 50.0 39.4 59.2

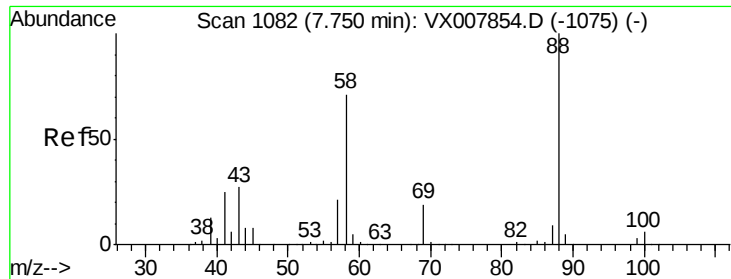


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

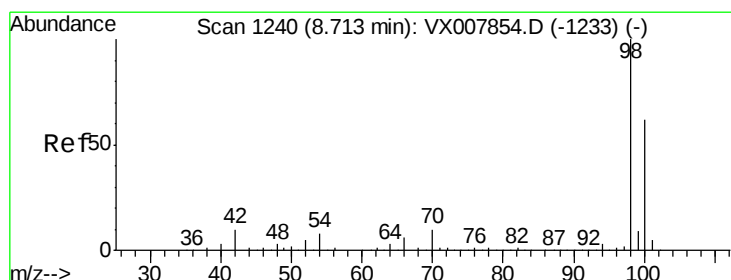
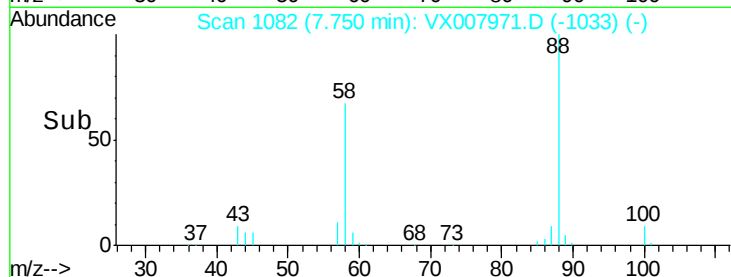
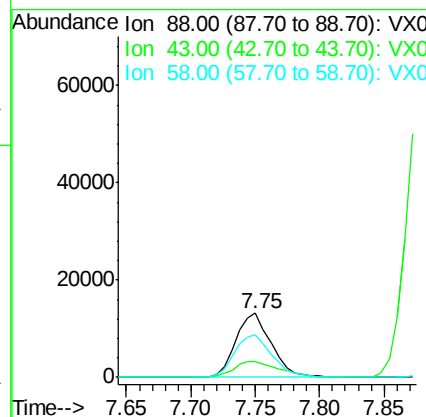
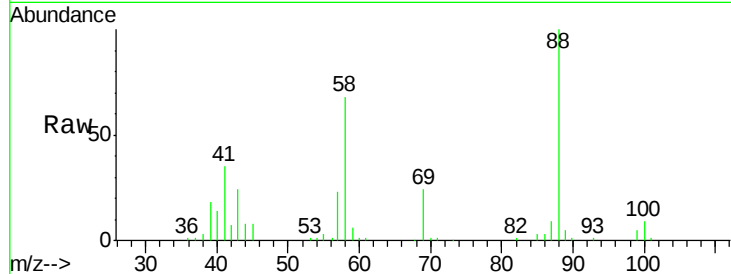




#49
 1,4-Dioxane
 Concen: 390.402 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

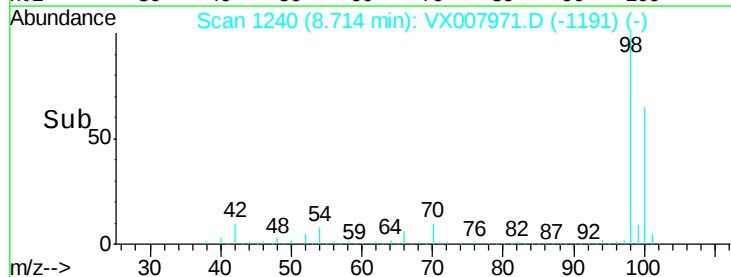
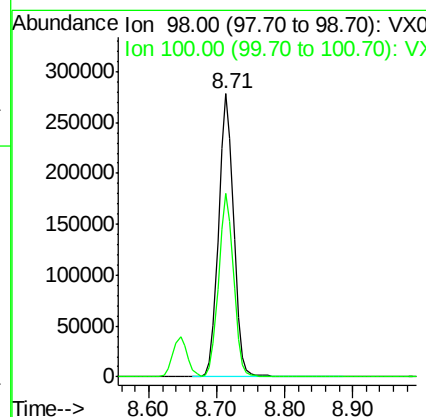
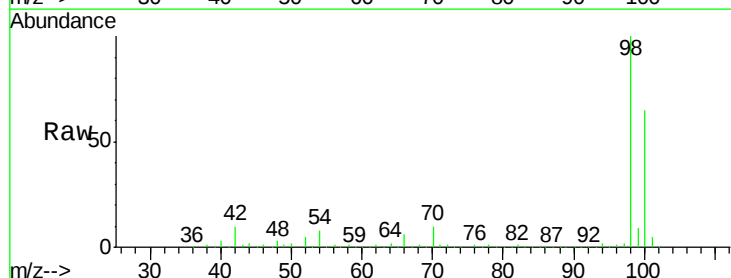
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tot Ion: 88 Resp: 25200
 Ion Ratio Lower Upper
 88 100
 43 32.7 25.1 37.7
 58 71.3 57.8 86.6



#50
 Toluene-d8
 Concen: 48.544 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion: 98 Resp: 428591
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 99.628 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

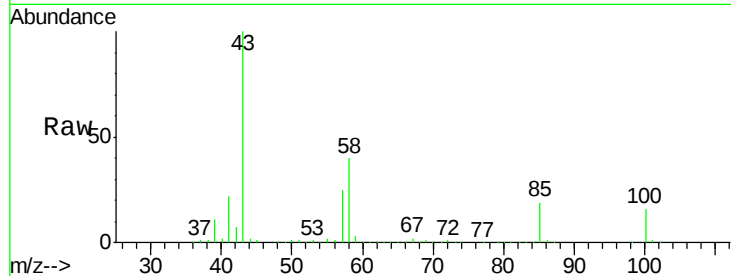
VX0311WBS02

Tot Ion: 43 Resp: 382929

Ion Ratio Lower Upper

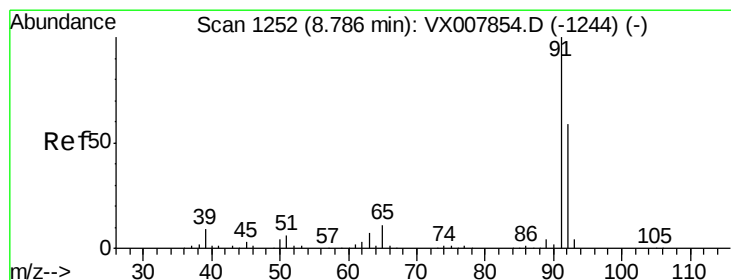
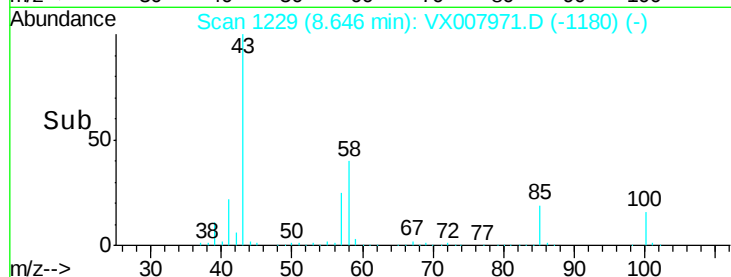
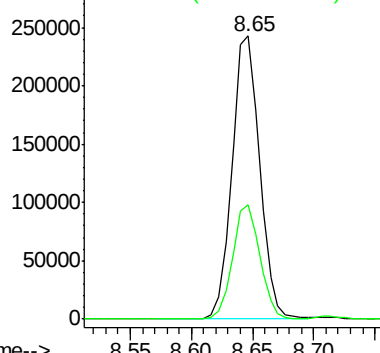
43 100

58 39.9 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.574 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007971.D

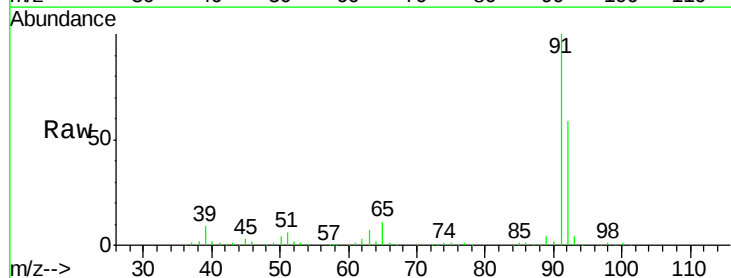
Acq: 11 Mar 2019 15:50

Tgt Ion: 92 Resp: 127254

Ion Ratio Lower Upper

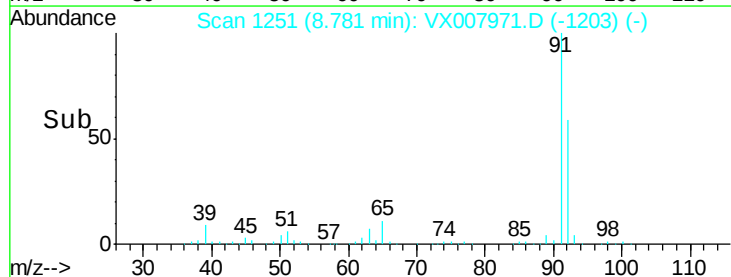
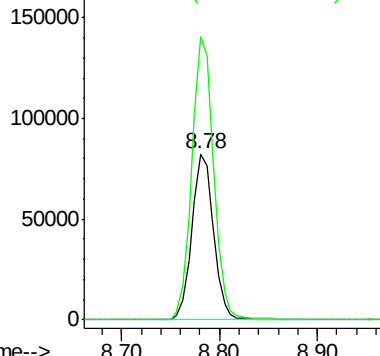
92 100

91 172.1 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.294 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

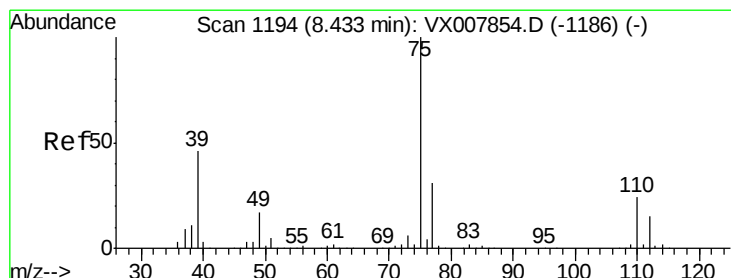
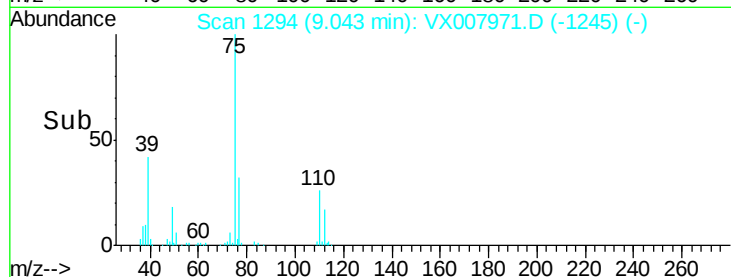
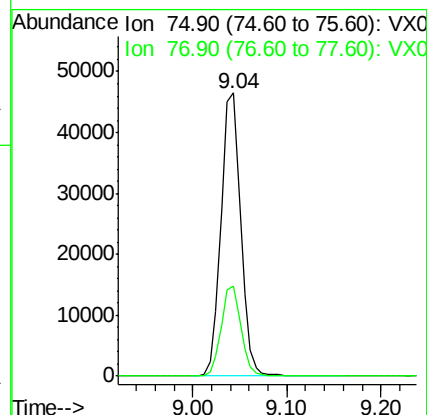
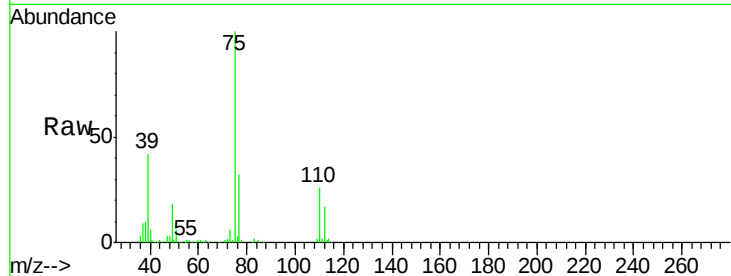
VX0311WBS02

Tot Ion: 75 Resp: 68004

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.550 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

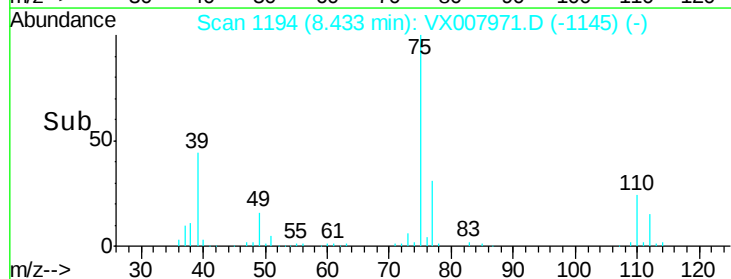
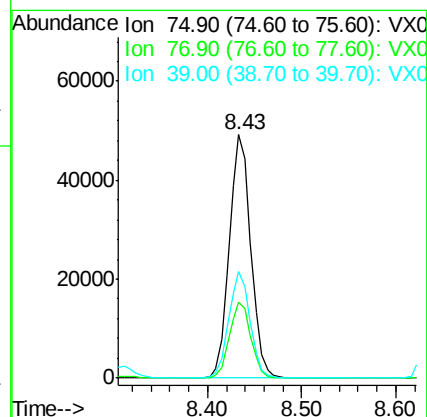
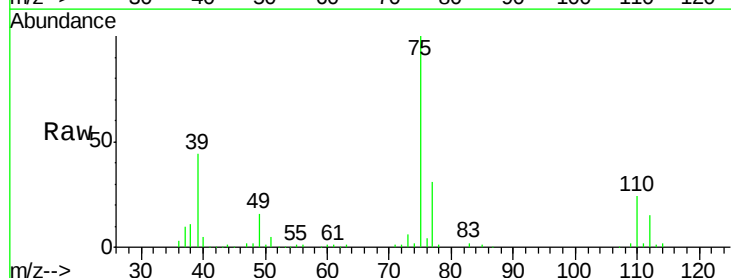
Tgt Ion: 75 Resp: 77765

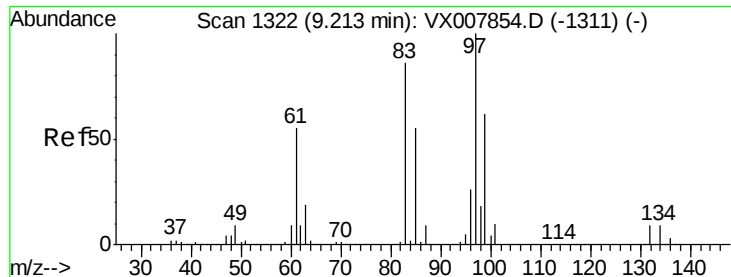
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 43.8 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 20.589 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS02

Tot Ion: 97 Resp: 51552

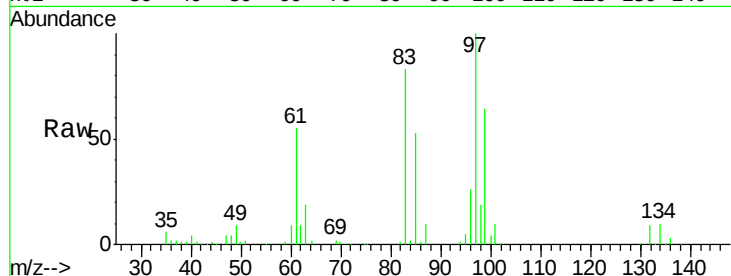
Ion Ratio Lower Upper

97 100

83 83.0 69.1 103.7

85 53.0 44.3 66.5

99 63.8 49.8 74.8

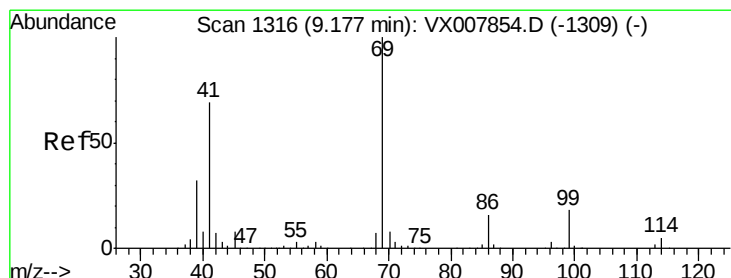
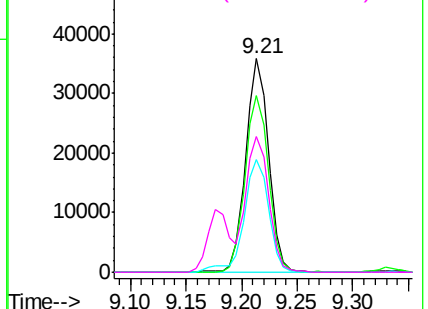
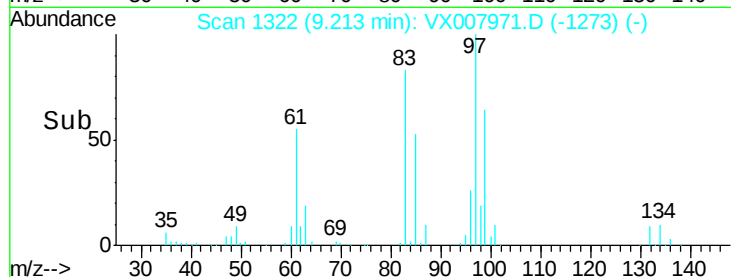


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.636 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

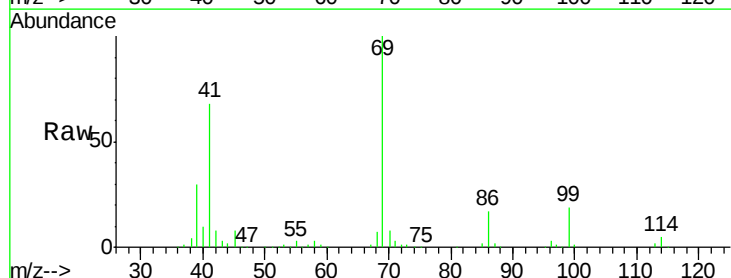
Tgt Ion: 69 Resp: 77580

Ion Ratio Lower Upper

69 100

41 66.4 54.2 81.4

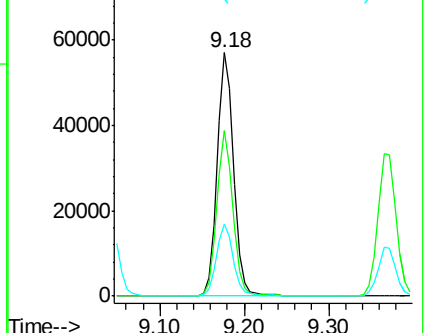
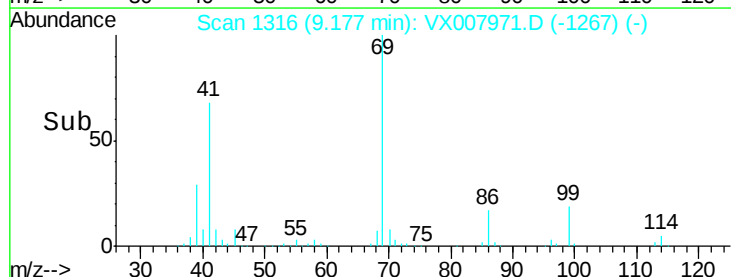
39 29.9 25.0 37.4

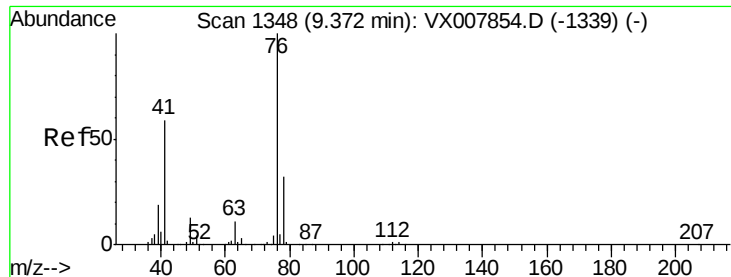


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.340 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

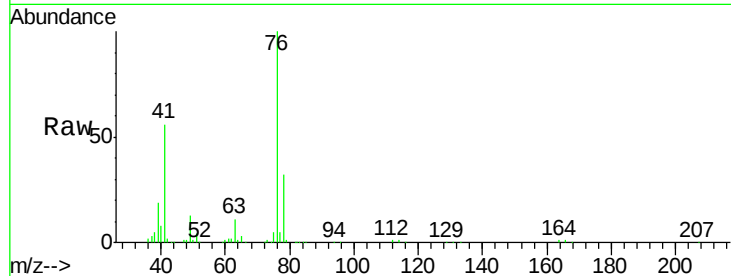
VX0311WBS02

Tot Ion: 76 Resp: 85513

Ion Ratio Lower Upper

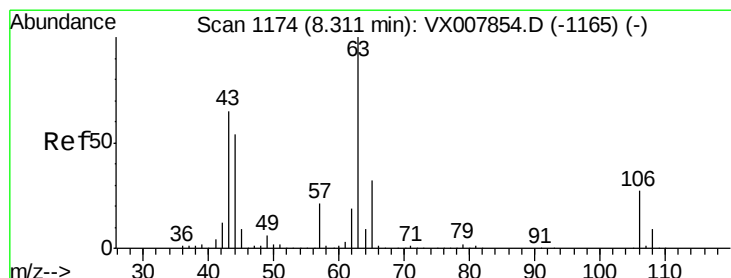
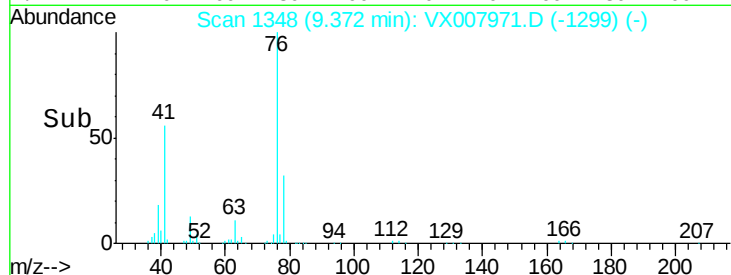
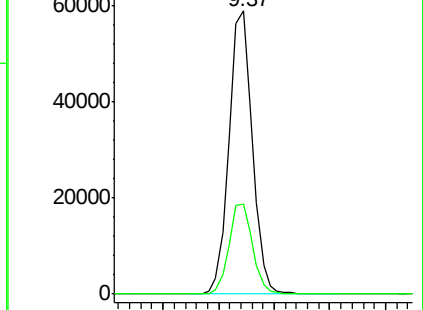
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.146 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007971.D

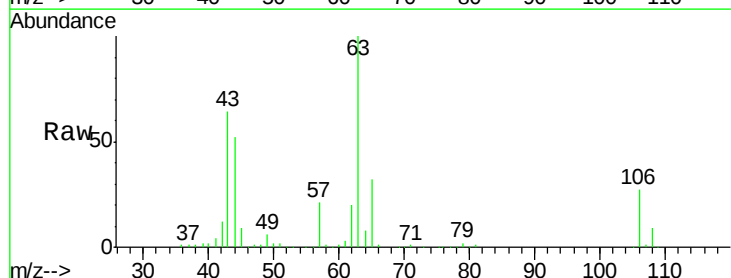
Acq: 11 Mar 2019 15:50

Tgt Ion: 63 Resp: 198637

Ion Ratio Lower Upper

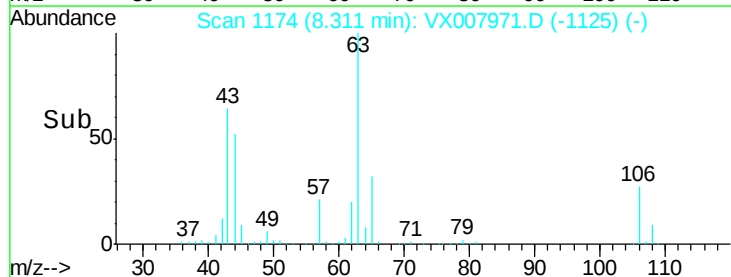
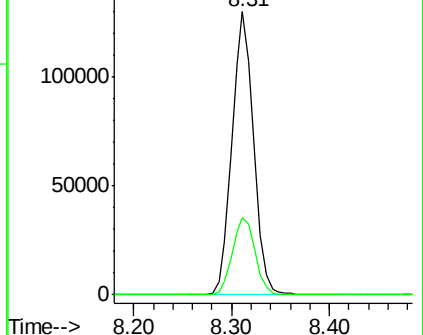
63 100

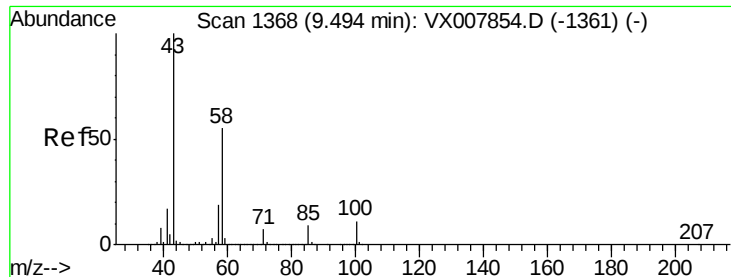
106 28.6 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

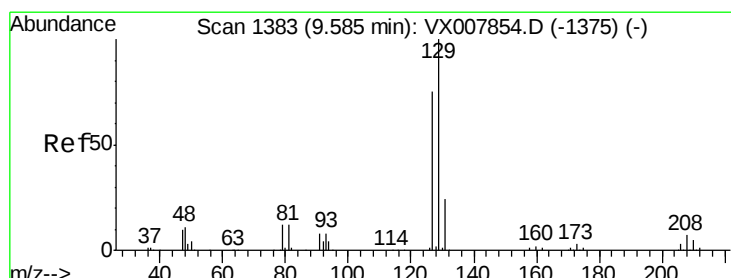
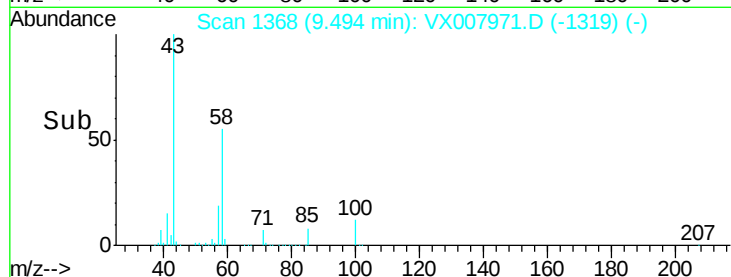
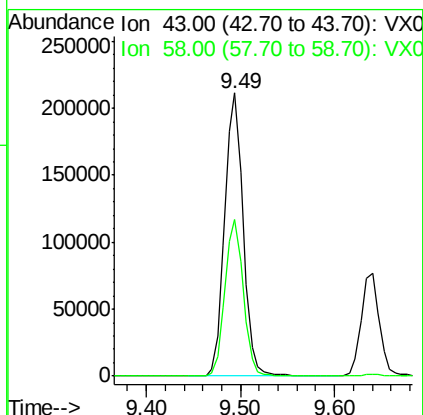
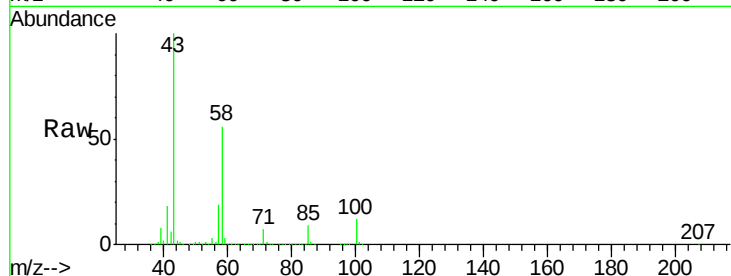




#59
2-Hexanone
Concen: 96.836 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

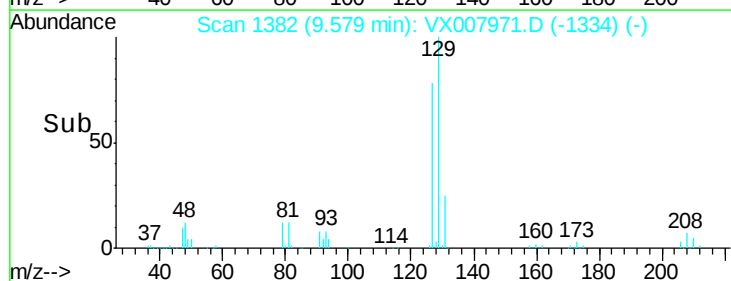
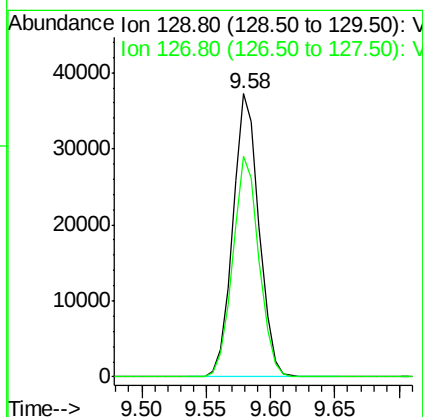
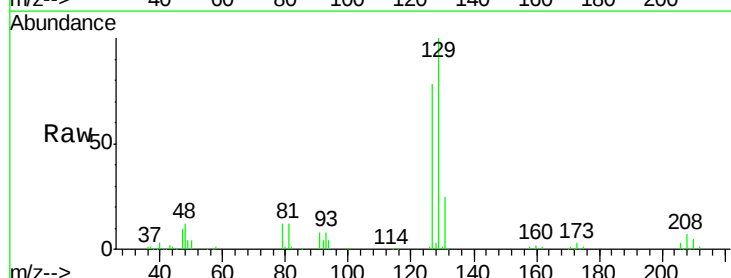
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

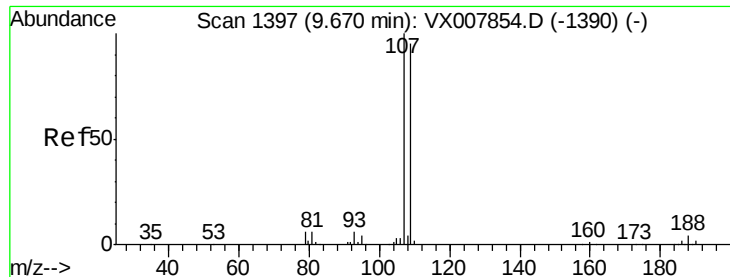
Tot Ion: 43 Resp: 288967
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7



#60
Dibromochloromethane
Concen: 20.014 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 129 Resp: 52379
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.494 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

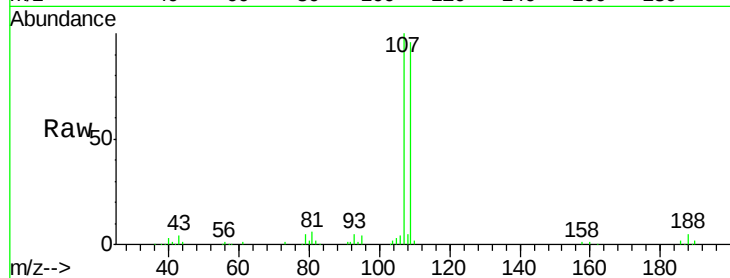
VX0311WBS02

Tot Ion:107 Resp: 54481

Ion Ratio Lower Upper

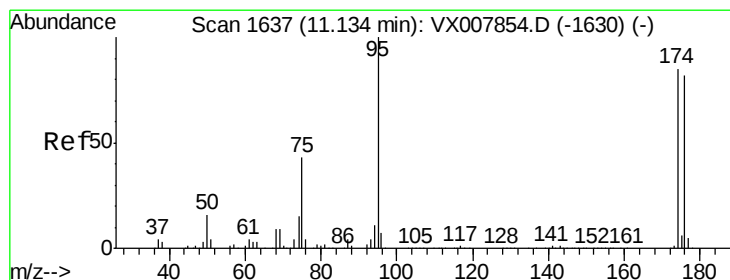
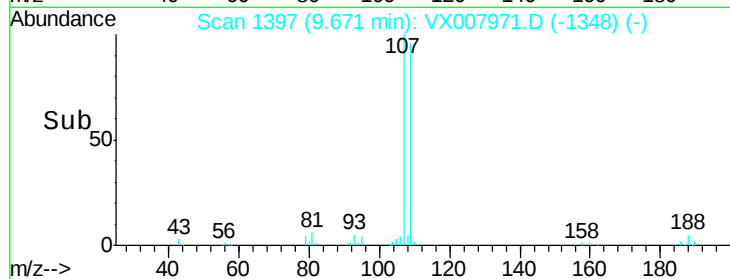
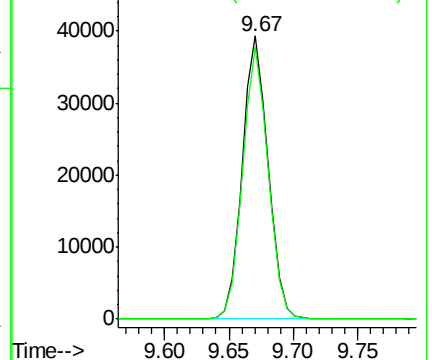
107 100

109 95.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

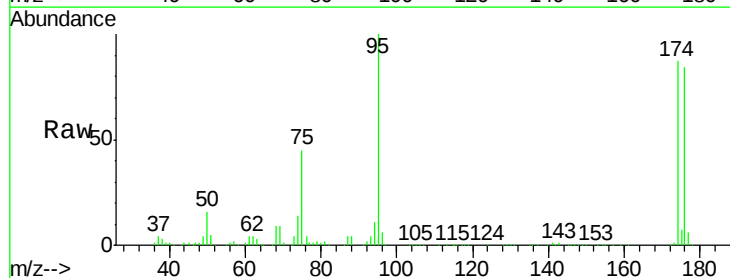
Tgt Ion: 95 Resp: 153817

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

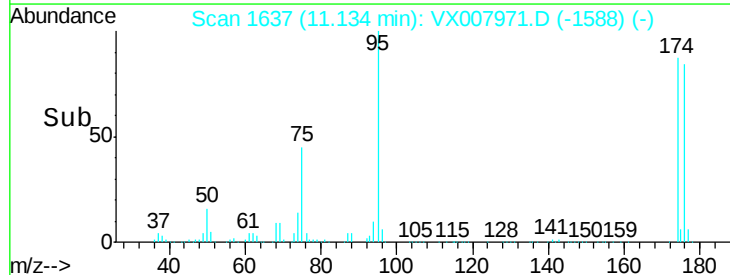
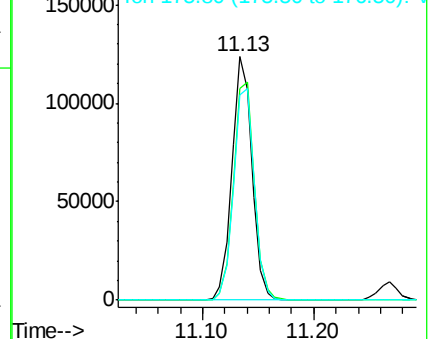
176 90.3 0.0 178.0

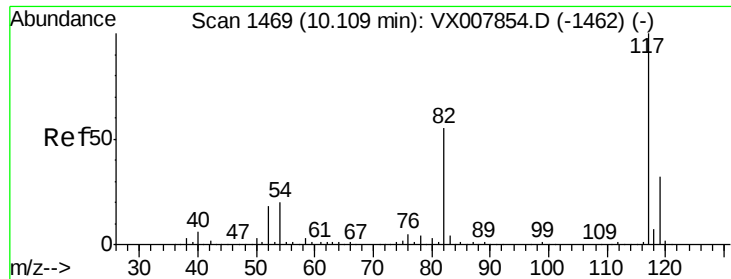


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

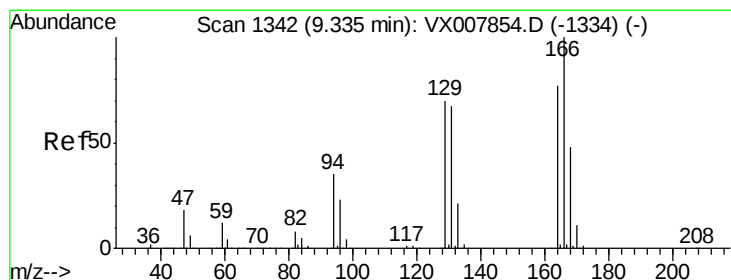
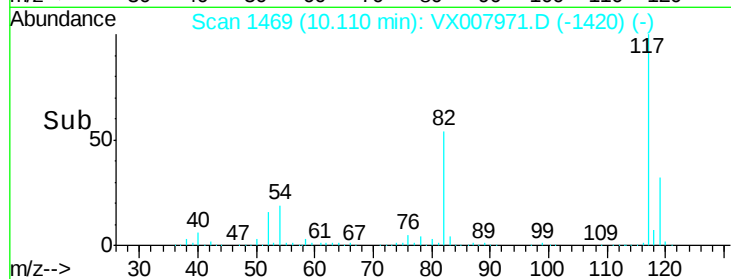
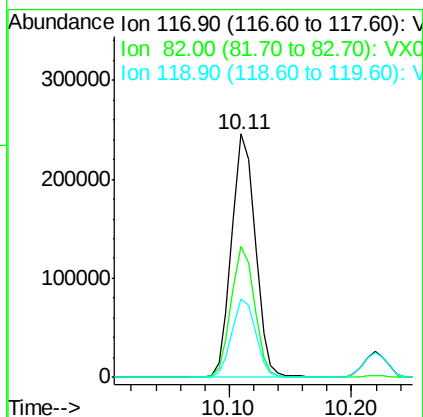
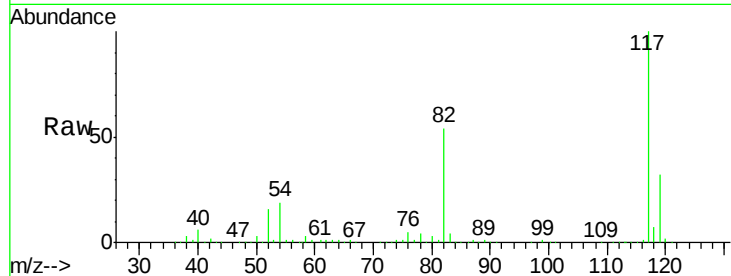




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

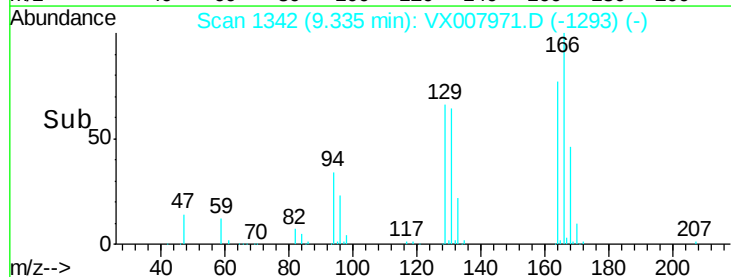
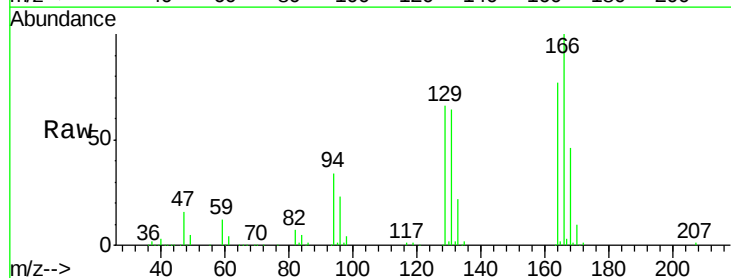
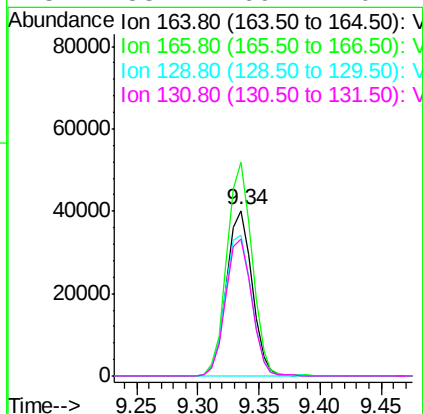
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

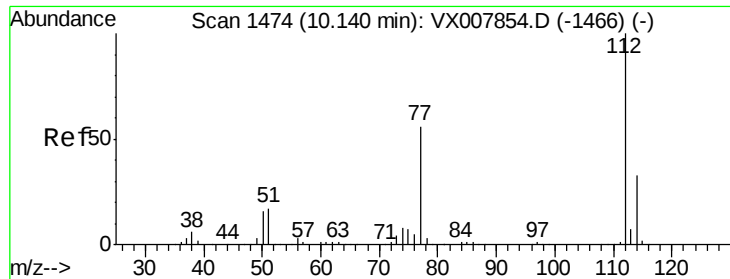
Tot Ion:117 Resp: 330580
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 21.255 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion:164 Resp: 58228
Ion Ratio Lower Upper
164 100
166 129.2 103.4 155.0
129 85.3 72.2 108.4
131 83.1 69.4 104.2





#65

Chlorobenzene

Concen: 20.439 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

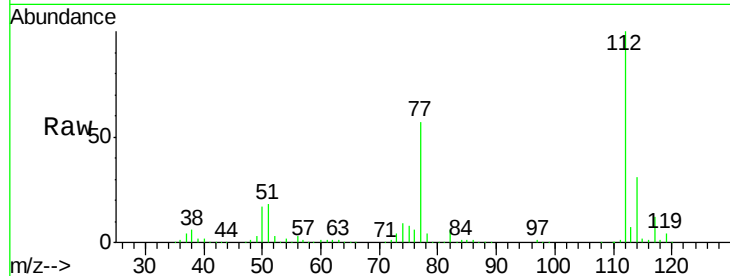
VX0311WBS02

Tot Ion:112 Resp: 141389

Ion Ratio Lower Upper

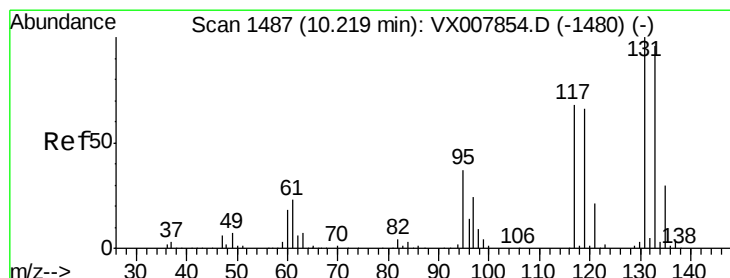
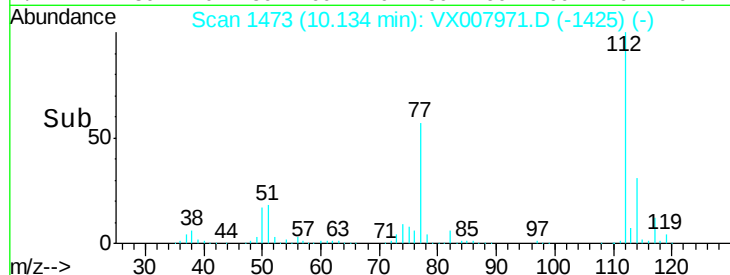
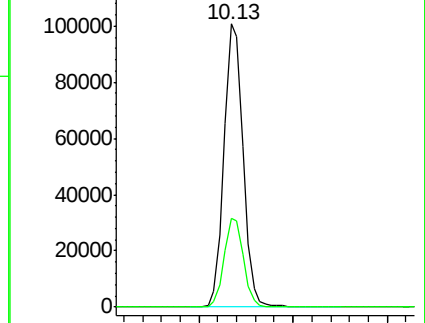
112 100

114 31.5 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.475 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

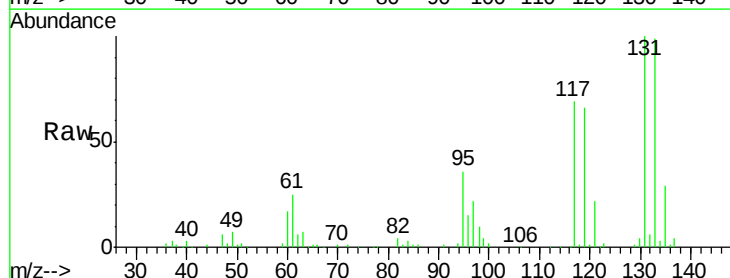
Tgt Ion:131 Resp: 50762

Ion Ratio Lower Upper

131 100

133 97.1 47.8 143.3

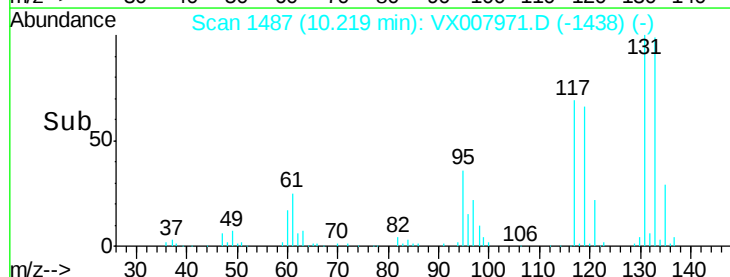
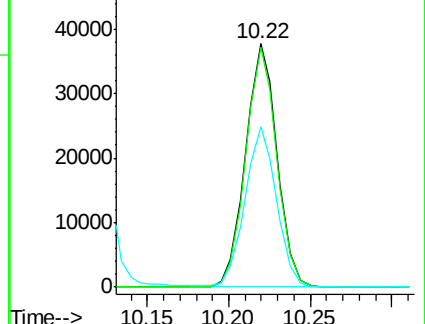
119 65.9 32.5 97.5

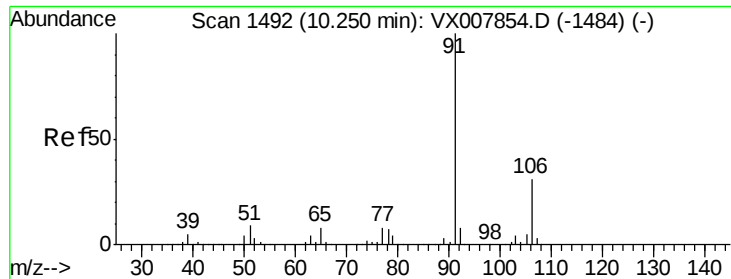


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

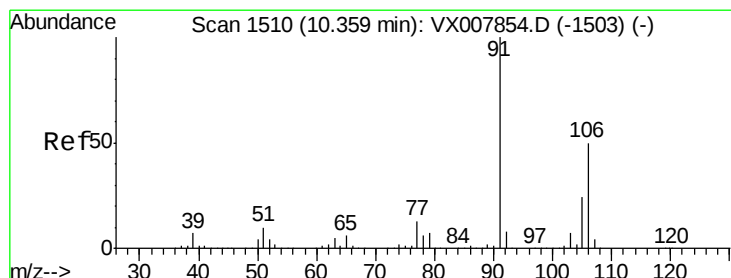
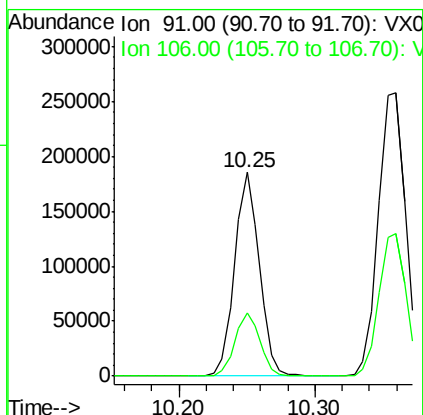
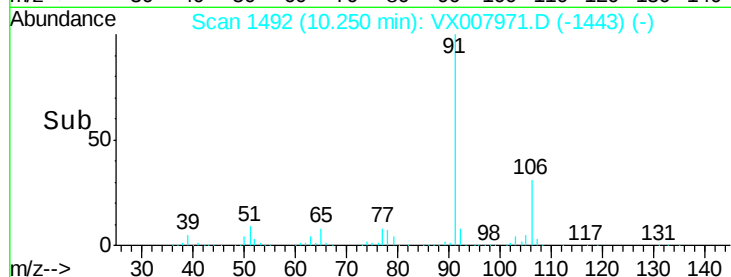
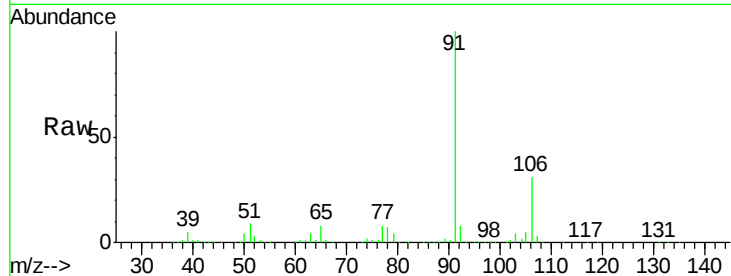




#67
Ethyl Benzene
Concen: 20.583 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

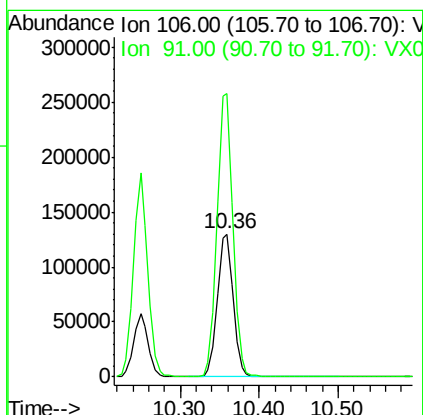
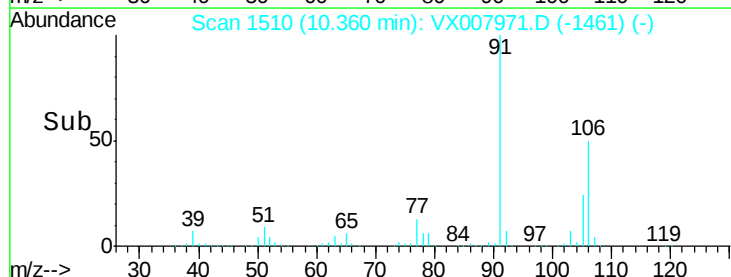
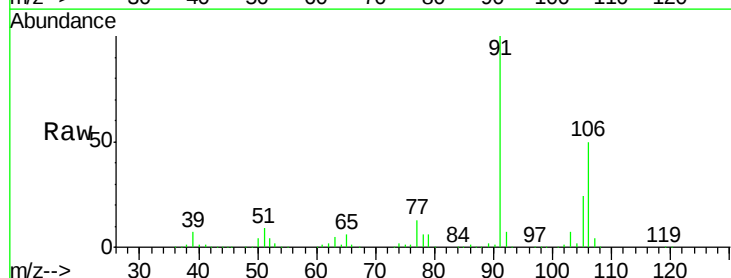
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

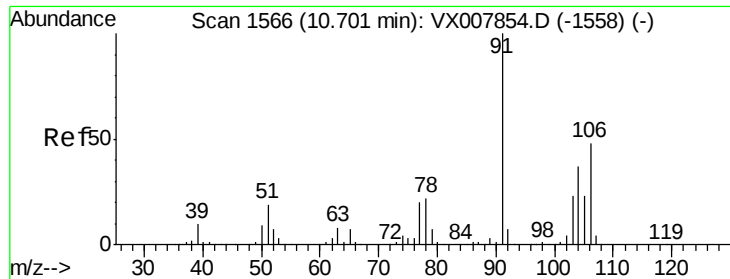
Tot Ion: 91 Resp: 234382
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 41.645 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 106 Resp: 182788
Ion Ratio Lower Upper
106 100
91 198.7 159.8 239.6

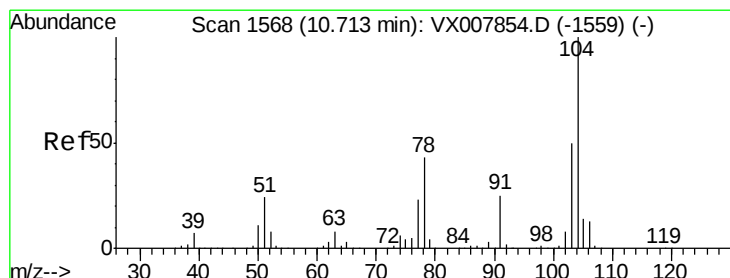
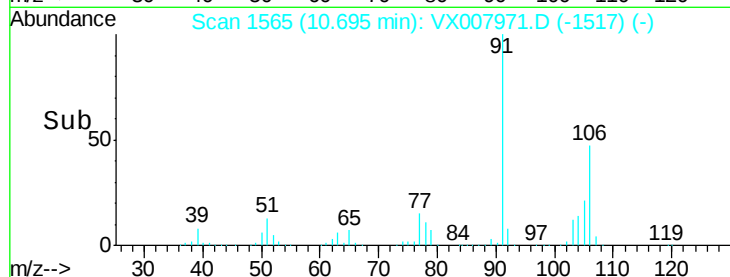
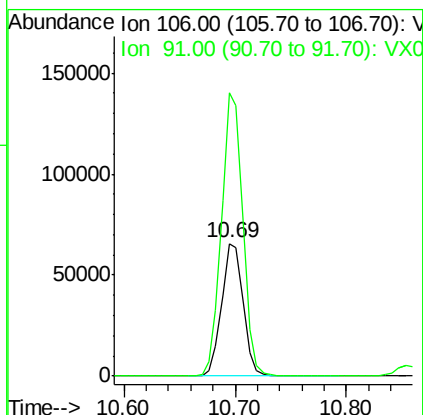
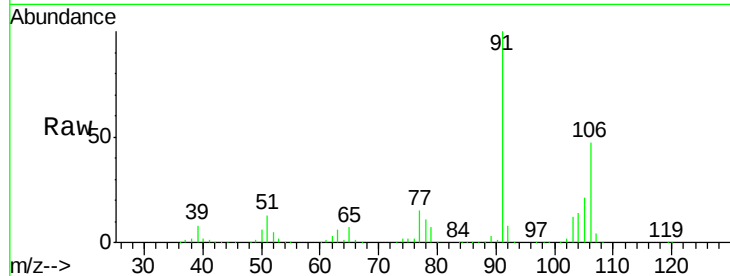




#69
o-Xylene
Concen: 20.734 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

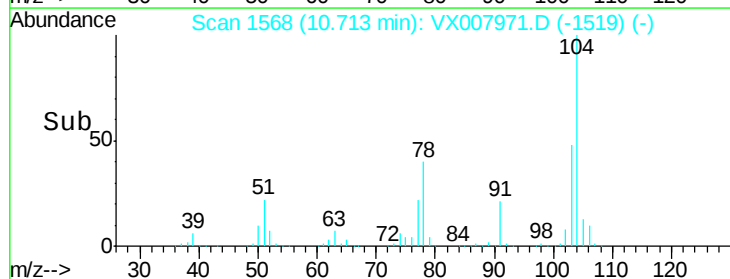
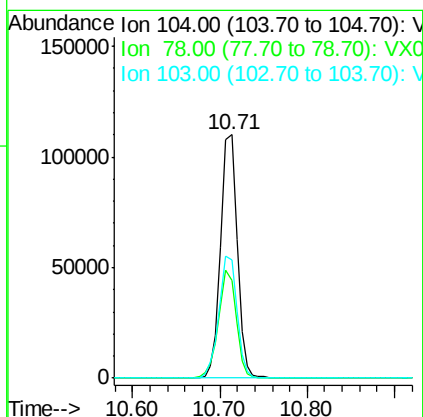
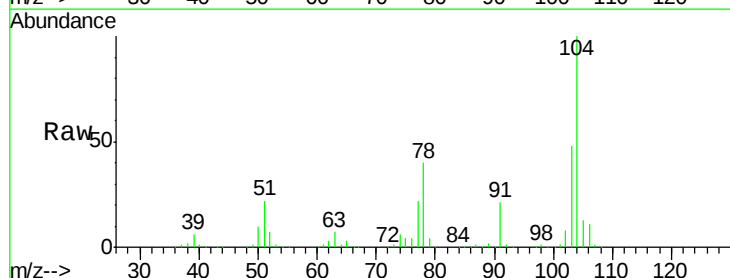
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

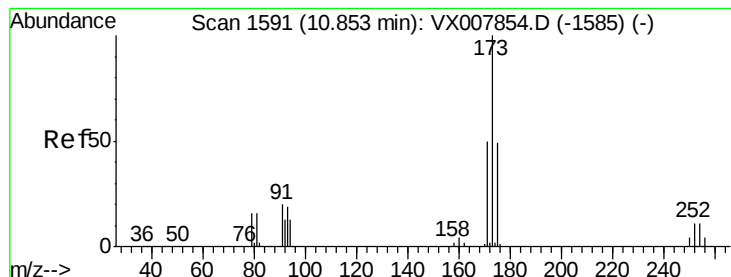
Tot Ion:106 Resp: 87862
Ion Ratio Lower Upper
106 100
91 211.8 106.3 318.9



#70
Styrene
Concen: 20.967 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion:104 Resp: 145389
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.6 44.1 66.1





#71

Bromoform

Concen: 19.199 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

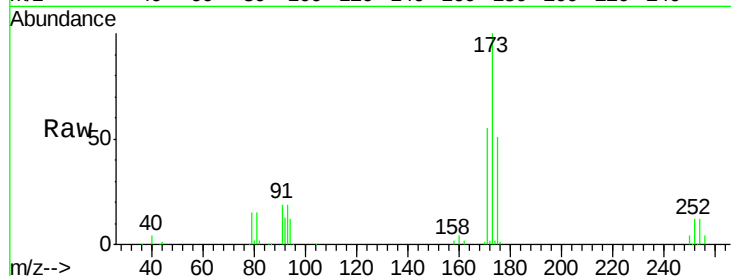
Tot Ion:173 Resp: 40877

Ion Ratio Lower Upper

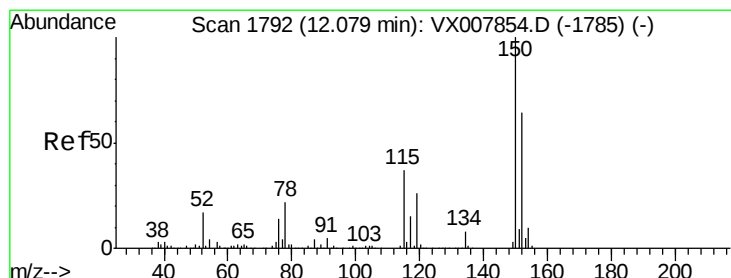
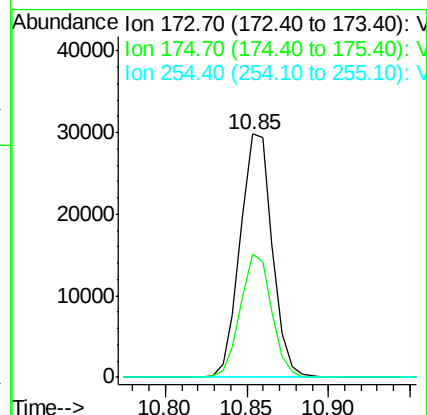
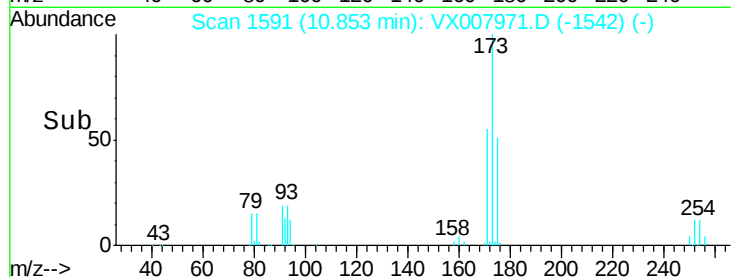
173 100

175 49.2 24.3 72.9

254 0.0 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: VX007971.D

Acq: 11 Mar 2019 15:50

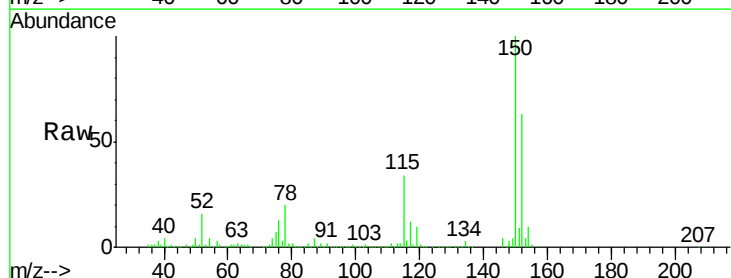
Tgt Ion:152 Resp: 168966

Ion Ratio Lower Upper

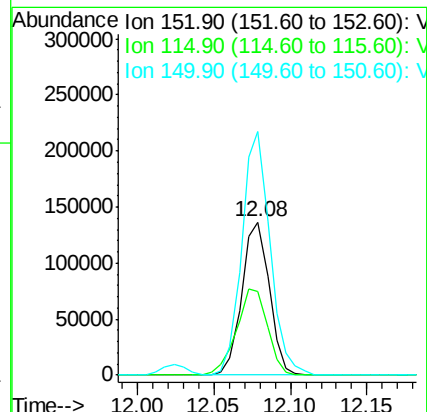
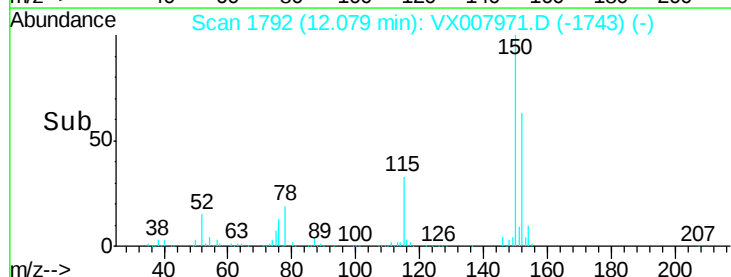
152 100

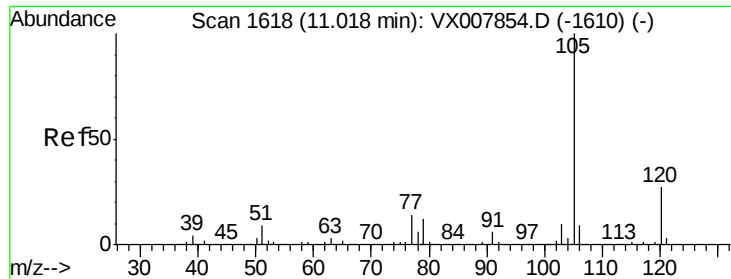
115 64.3 38.6 115.7

150 164.0 0.0 348.4



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: 20.938 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

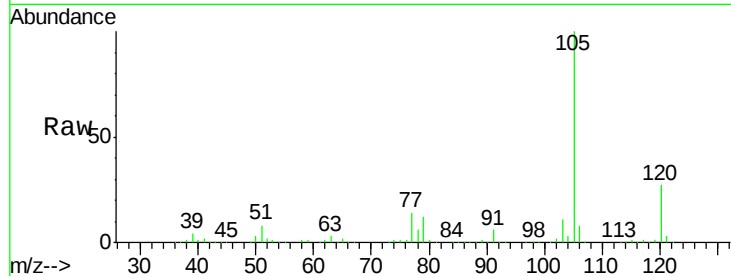
VX0311WBS02

Tot Ion:105 Resp: 239266

Ion Ratio Lower Upper

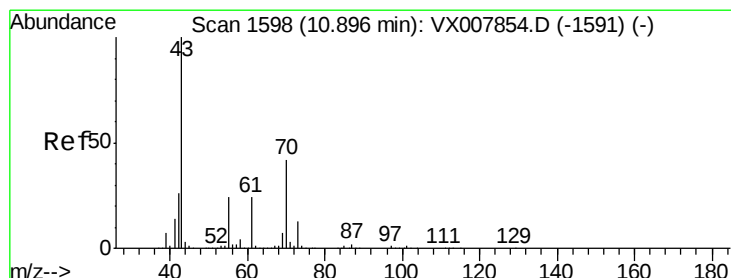
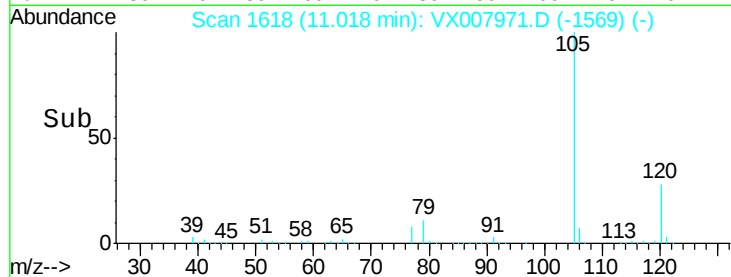
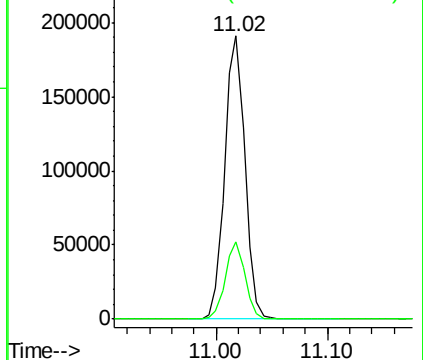
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.858 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion: 43 Resp: 98382

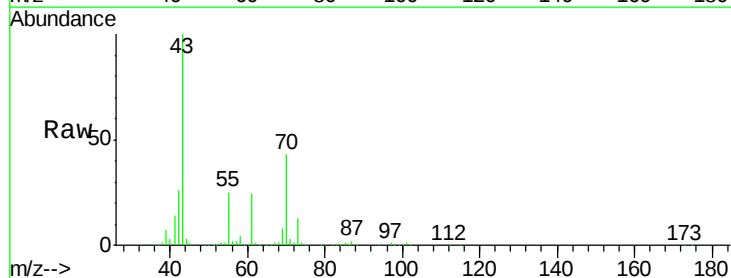
Ion Ratio Lower Upper

43 100

70 43.2 33.5 50.3

55 25.7 19.2 28.8

61 24.6 19.0 28.6

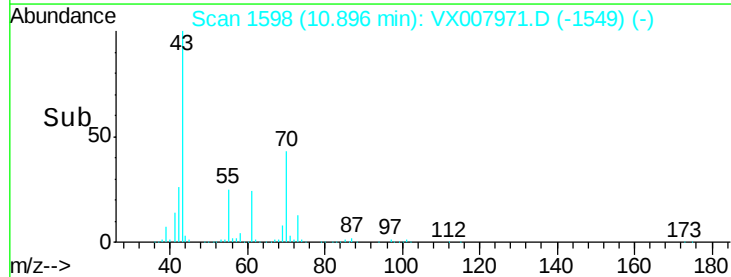
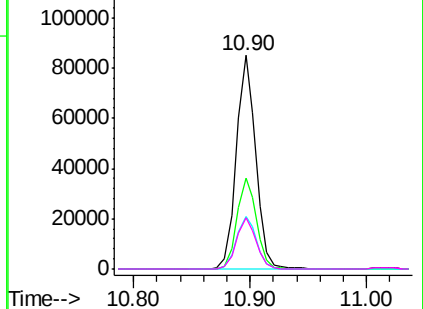


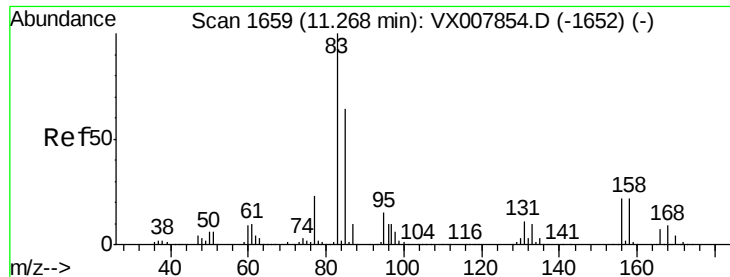
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.393 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

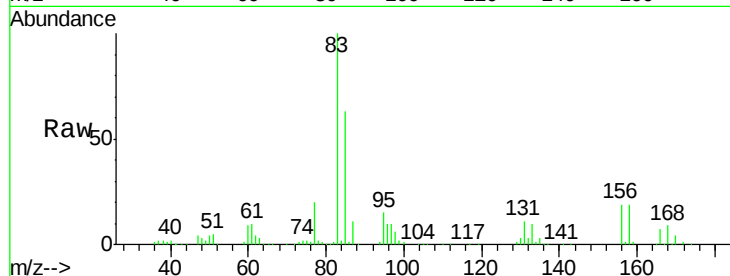
Tot Ion: 83 Resp: 76444

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

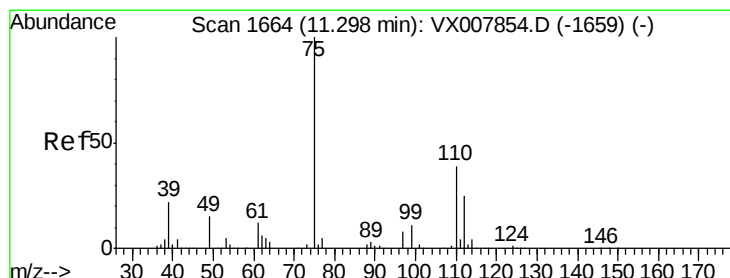
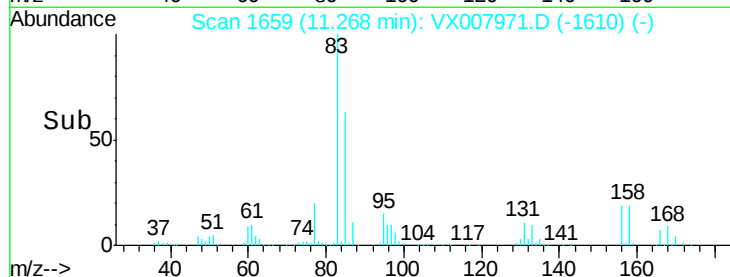
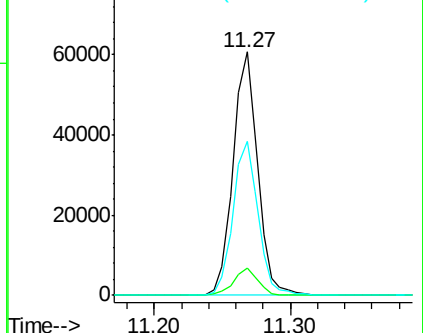
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.172 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007971.D

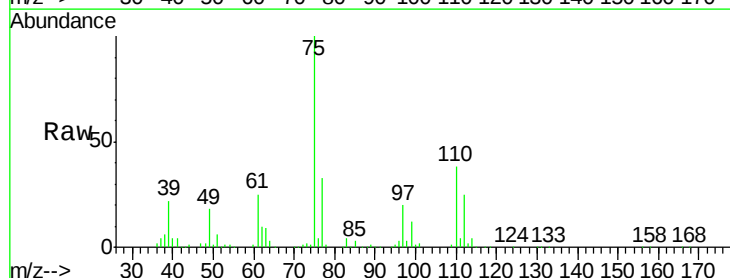
Acq: 11 Mar 2019 15:50

Tgt Ion: 75 Resp: 85706

Ion Ratio Lower Upper

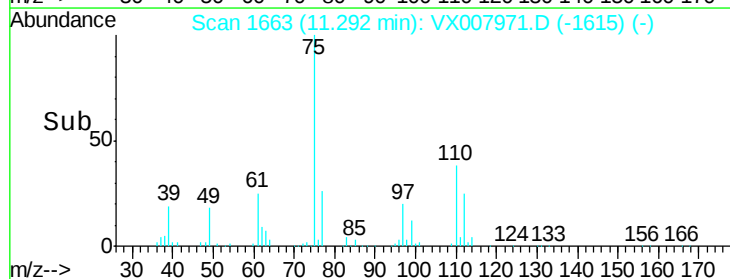
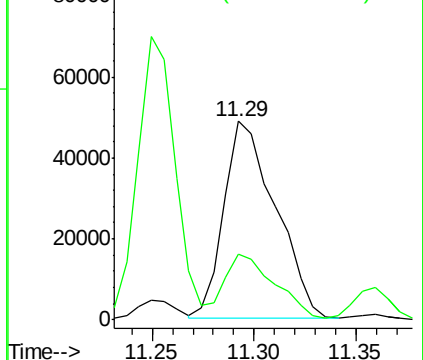
75 100

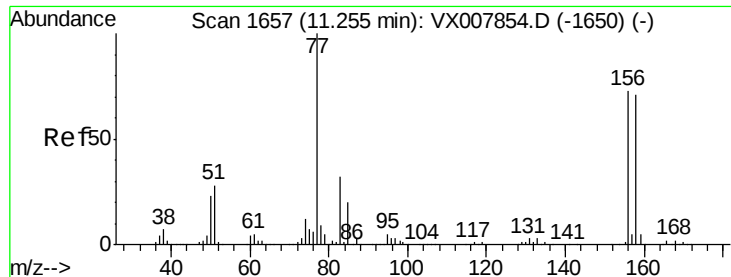
77 33.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.164 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

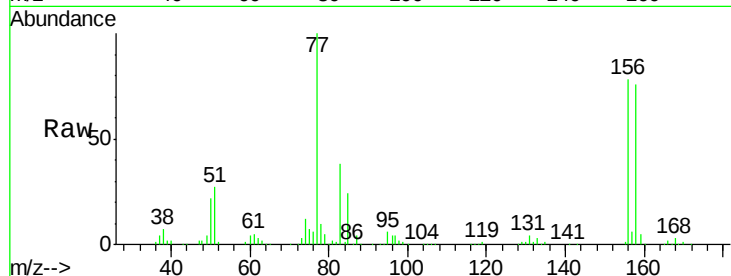
Tot Ion:156 Resp: 63174

Ion Ratio Lower Upper

156 100

77 141.4 72.0 215.9

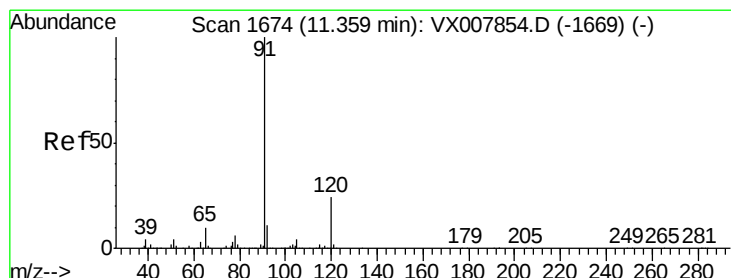
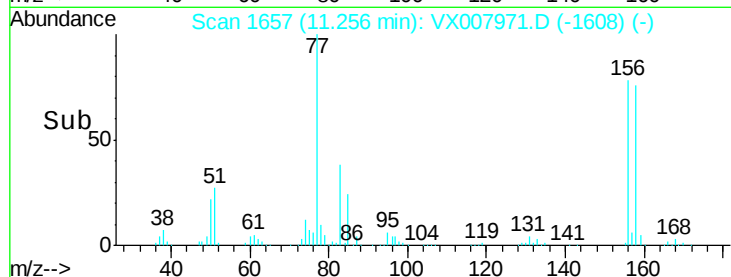
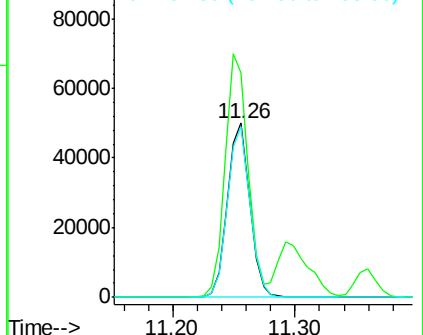
158 98.4 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.984 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007971.D

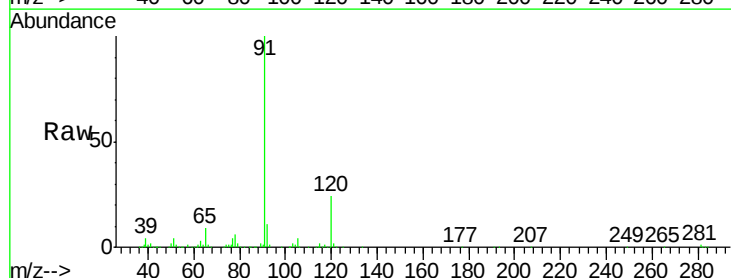
Acq: 11 Mar 2019 15:50

Tgt Ion: 91 Resp: 266029

Ion Ratio Lower Upper

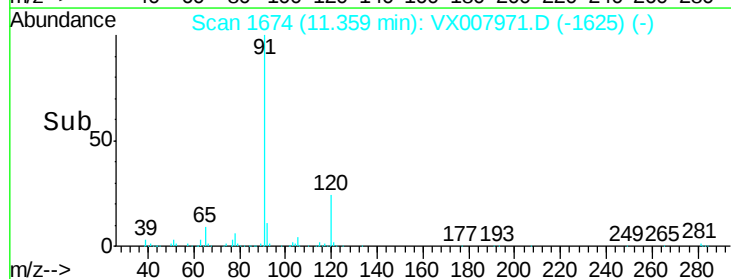
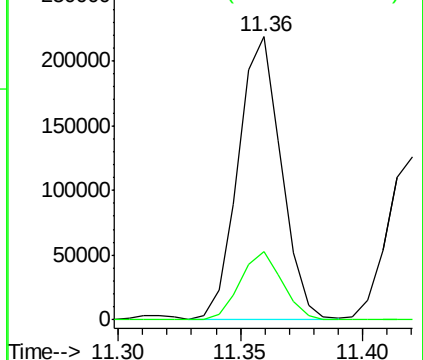
91 100

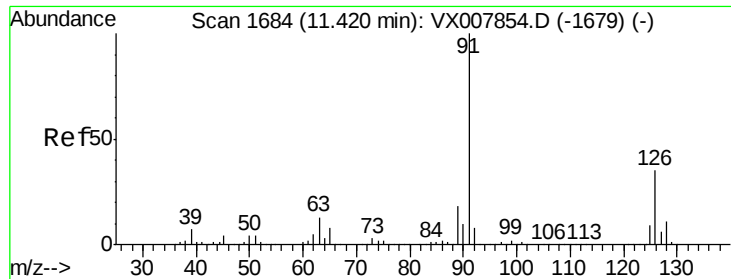
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

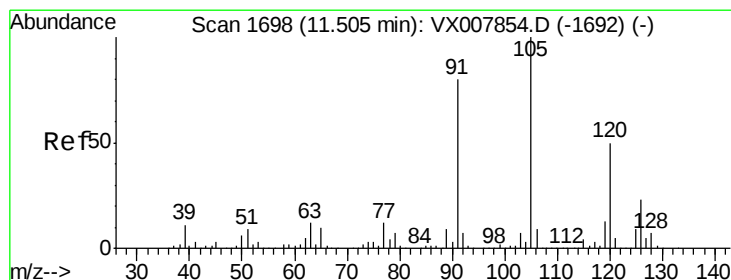
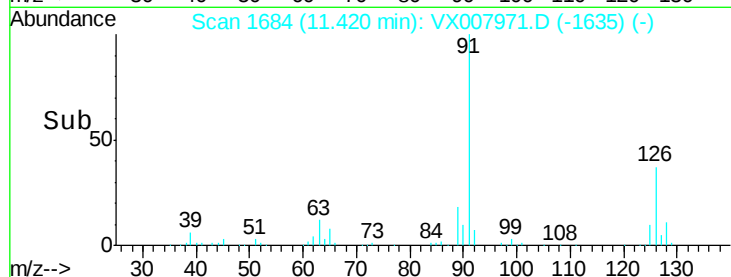
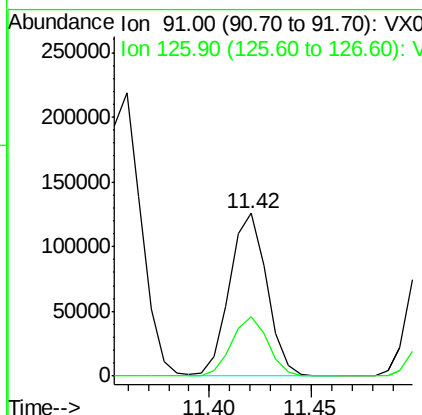
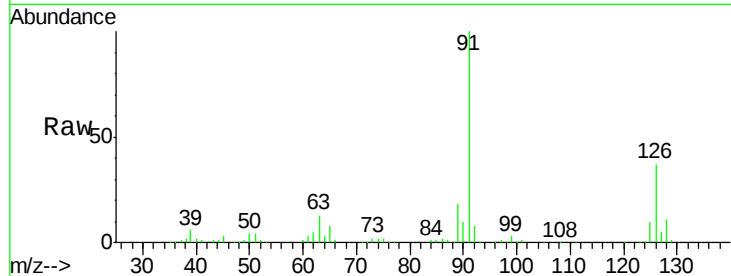




#79
 2-Chlorotoluene
 Concen: 20.408 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

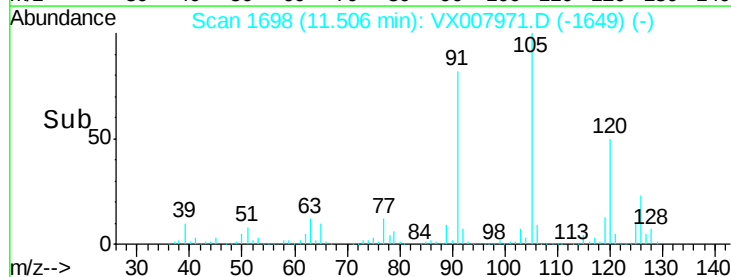
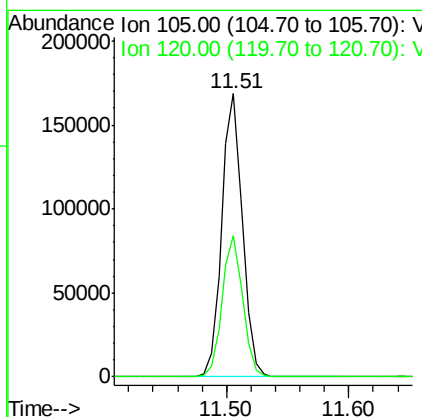
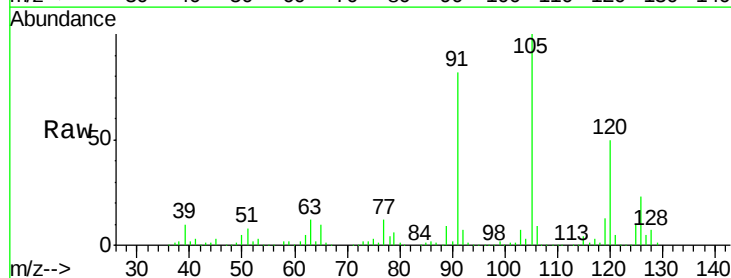
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

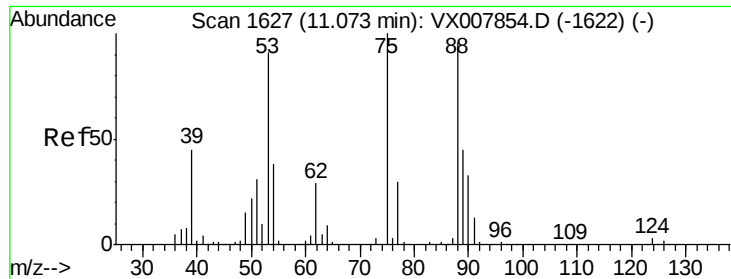
Tot Ion: 91 Resp: 158187
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.989 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion: 105 Resp: 197412
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.534 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS02

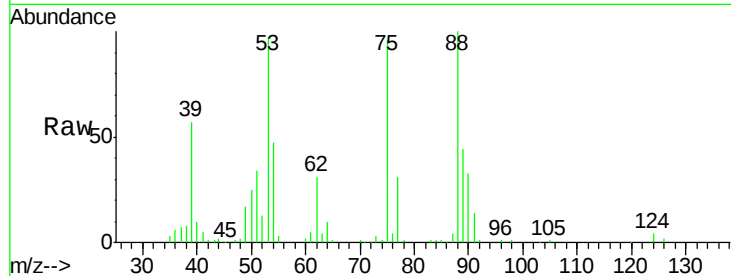
Tot Ion: 75 Resp: 20558

Ion Ratio Lower Upper

75 100

53 100.6 76.1 114.1

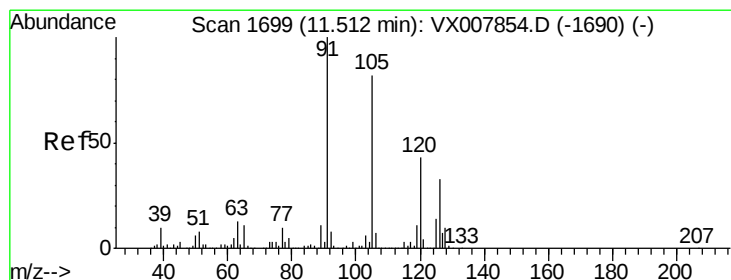
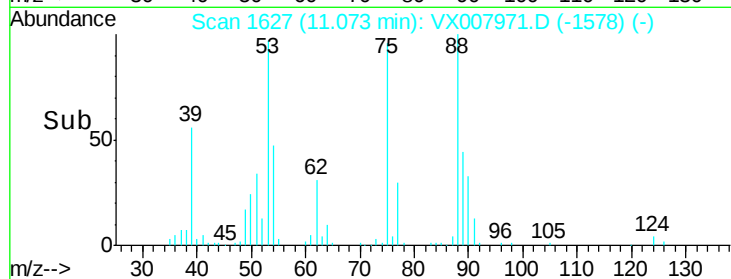
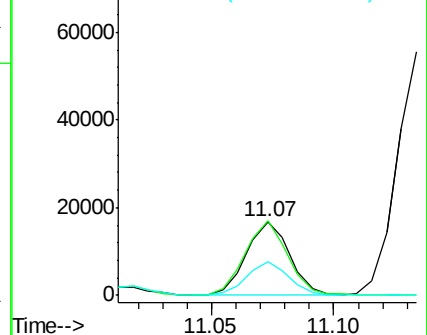
89 45.6 36.3 54.5



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: 20.633 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007971.D

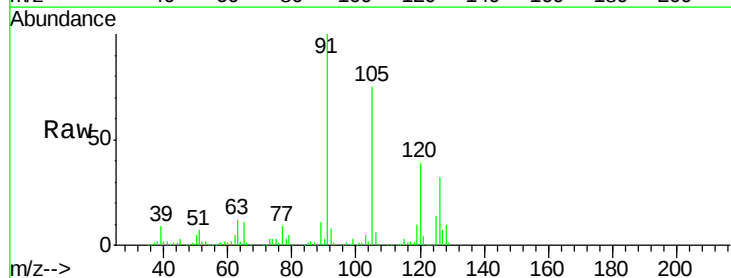
Acq: 11 Mar 2019 15:50

Tgt Ion: 91 Resp: 183282

Ion Ratio Lower Upper

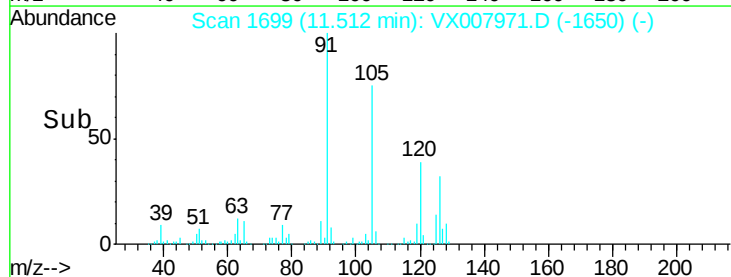
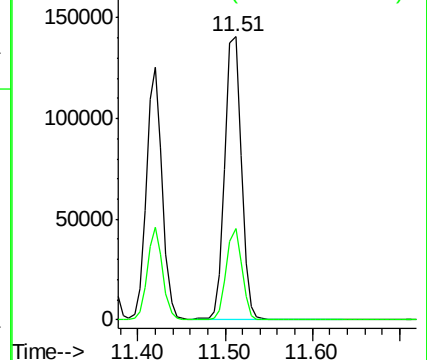
91 100

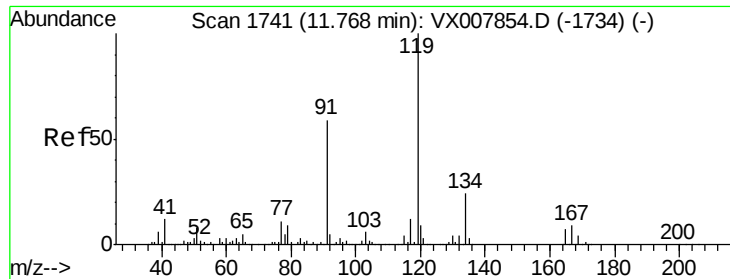
126 30.8 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

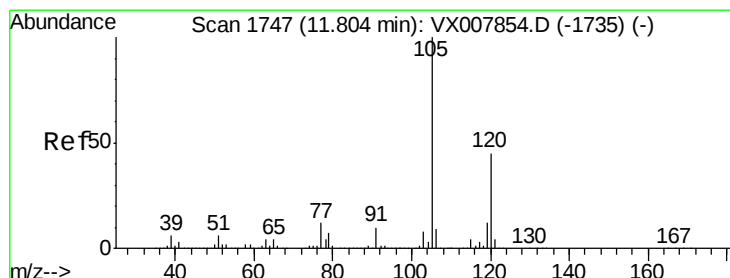
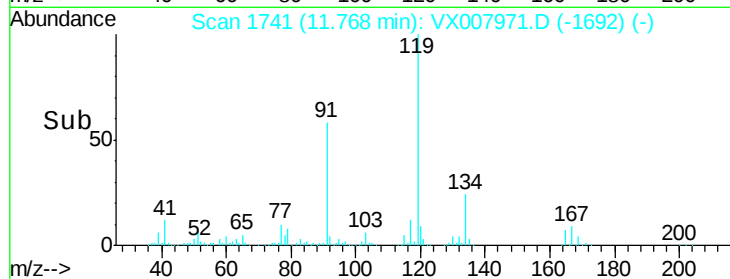
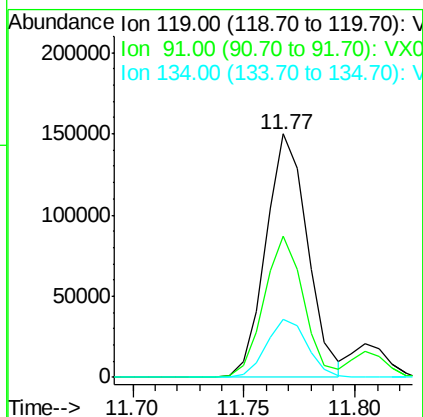
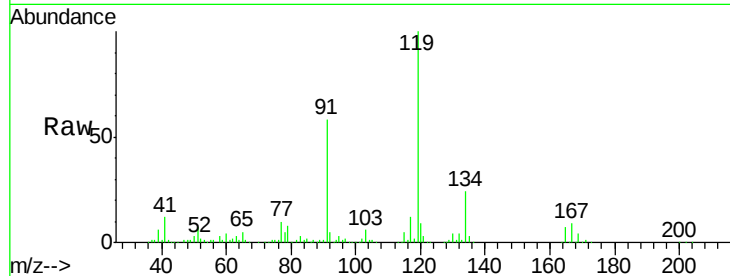




#83
 tert-Butylbenzene
 Concen: 20.556 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

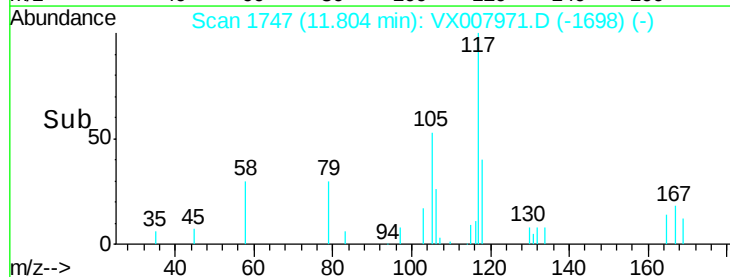
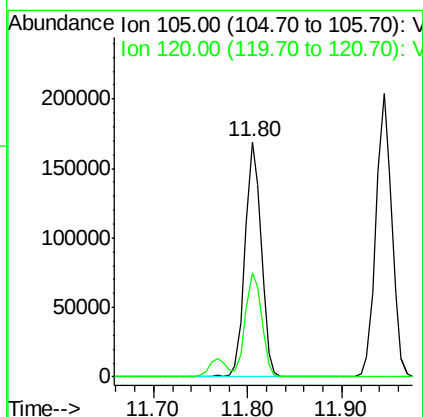
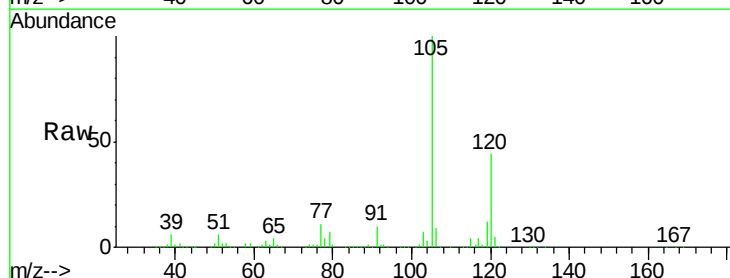
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

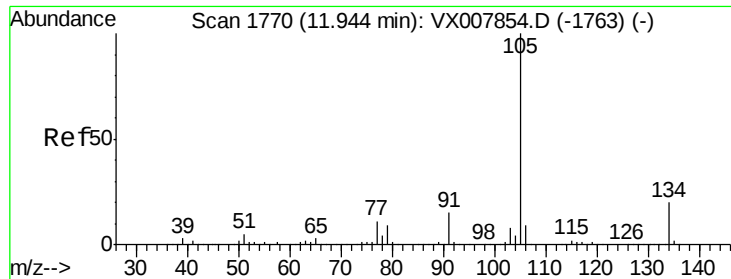
Tot Ion:119 Resp: 194748
 Ion Ratio Lower Upper
 119 100
 91 55.3 27.1 81.3
 134 23.3 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.072 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion:105 Resp: 203175
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.386 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

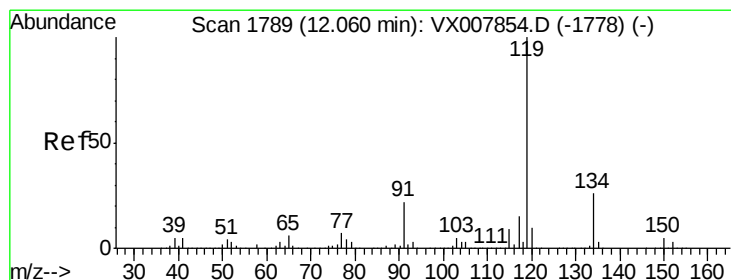
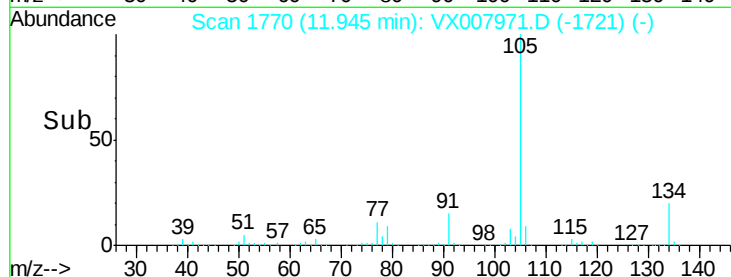
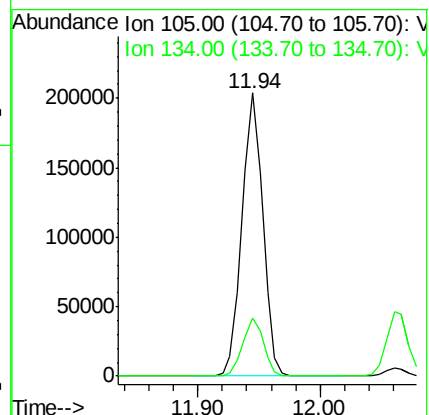
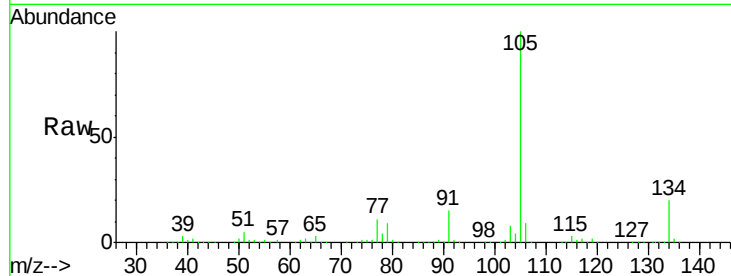
VX0311WBS02

Tot Ion:105 Resp: 238623

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2



#86

p-Isopropyltoluene

Concen: 21.325 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

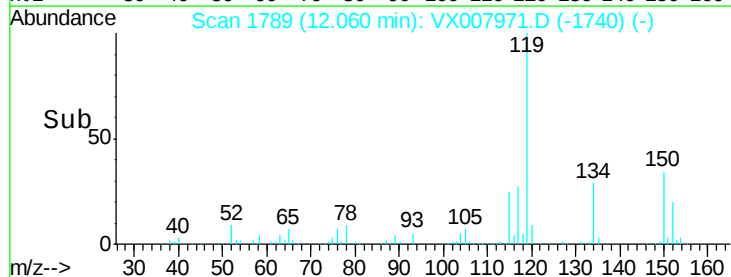
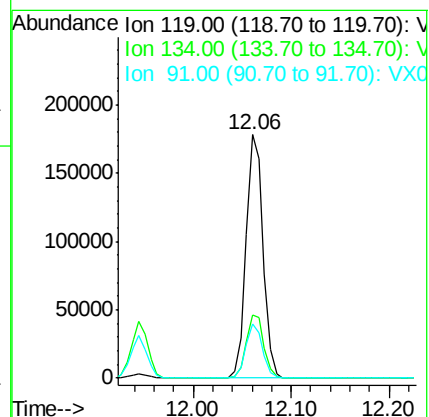
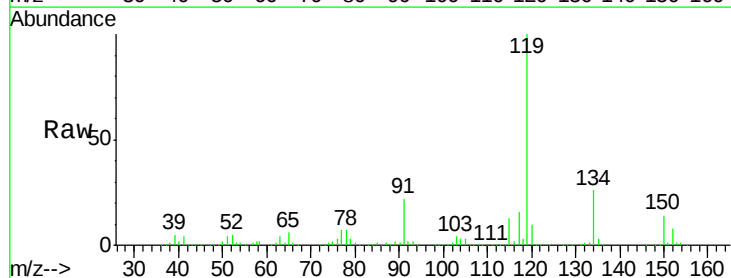
Tgt Ion:119 Resp: 213097

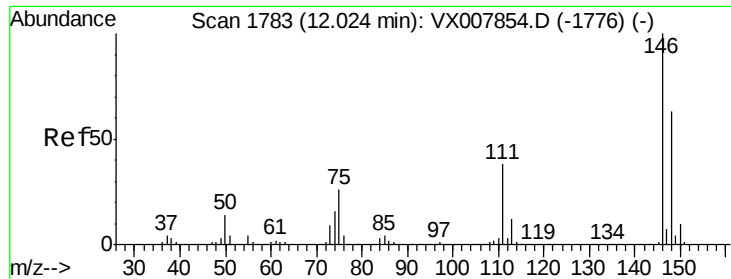
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.2 10.9 32.7

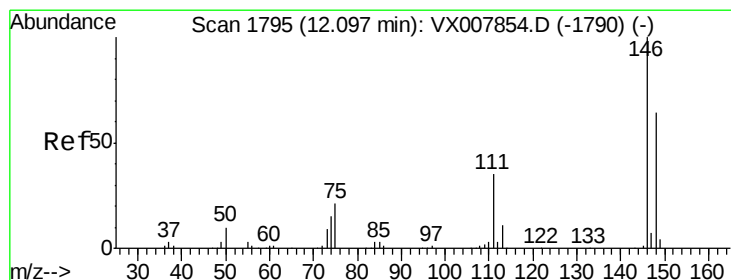
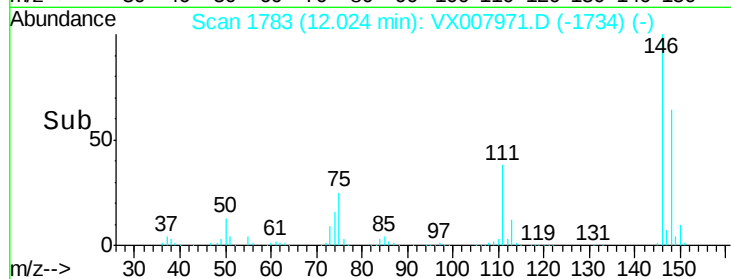
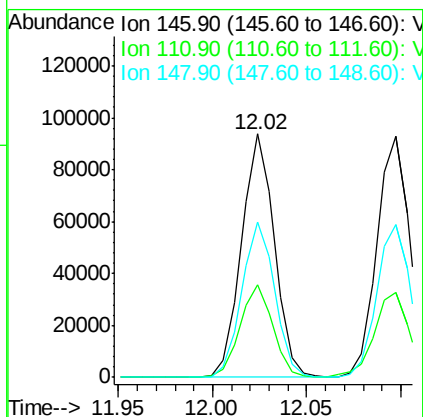
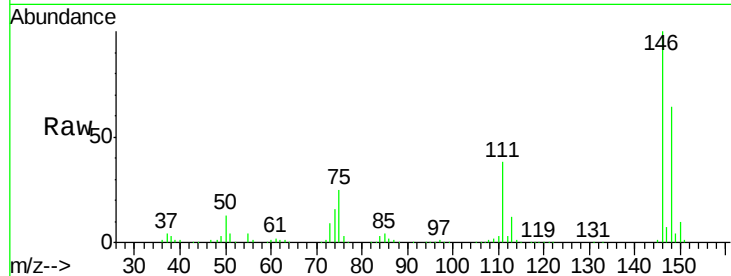




#87
 1,3-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

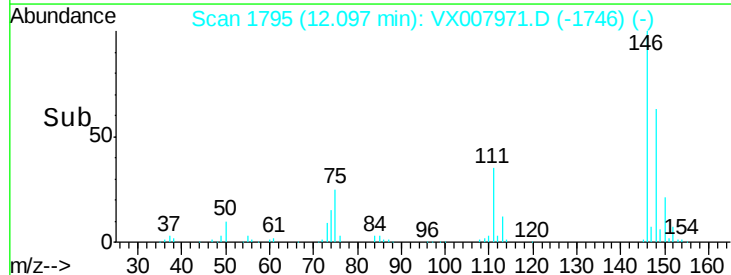
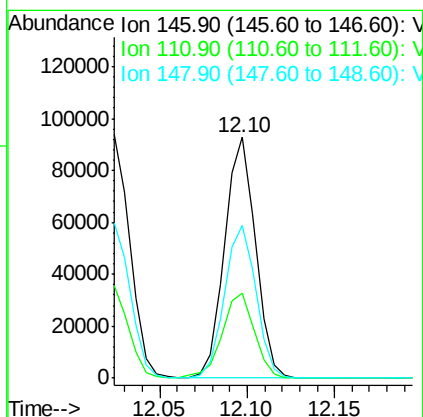
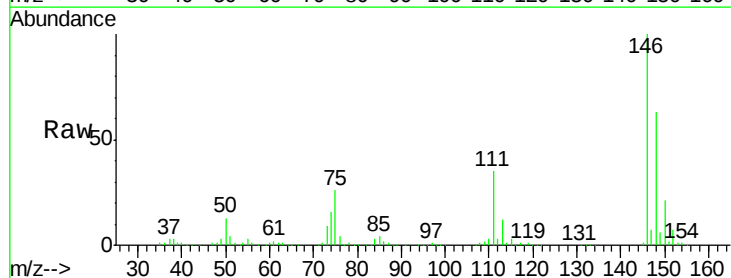
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

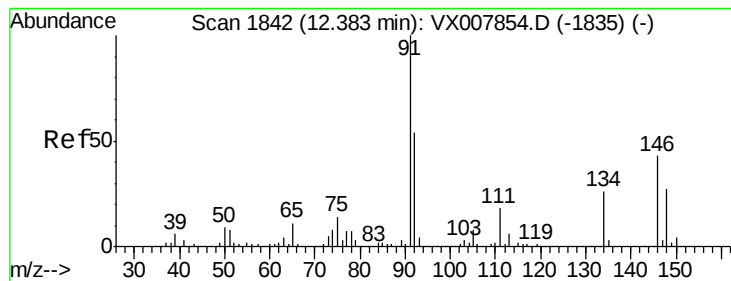
Tot Ion:146 Resp: 113711
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.7
 148 63.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.057 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion:146 Resp: 113848
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.0
 148 64.7 32.2 96.6





#89

n-Butylbenzene

Concen: 20.883 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

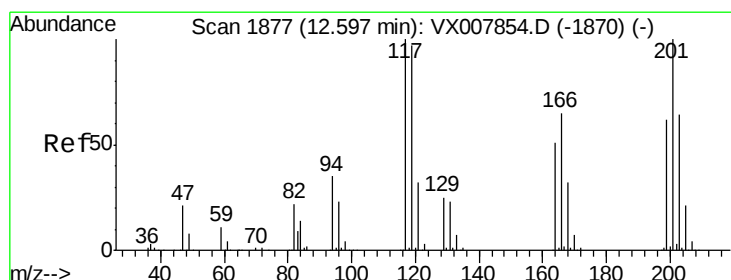
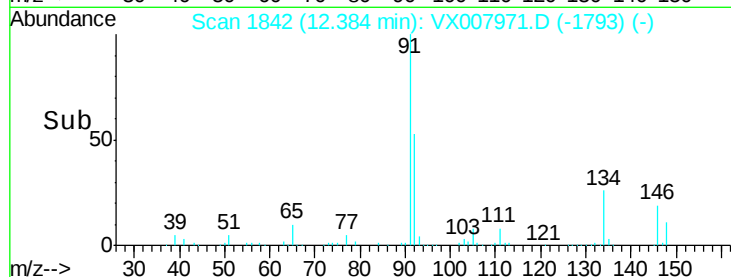
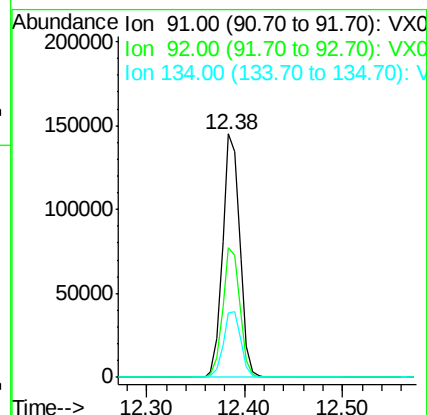
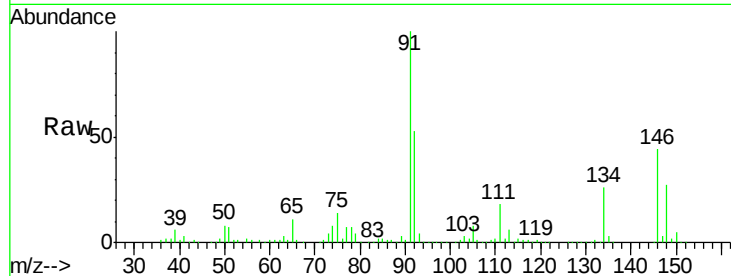
Tot Ion: 91 Resp: 176795

Ion Ratio Lower Upper

91 100

92 52.8 27.0 80.8

134 27.2 13.7 41.0



#90

Hexachloroethane

Concen: 20.338 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007971.D

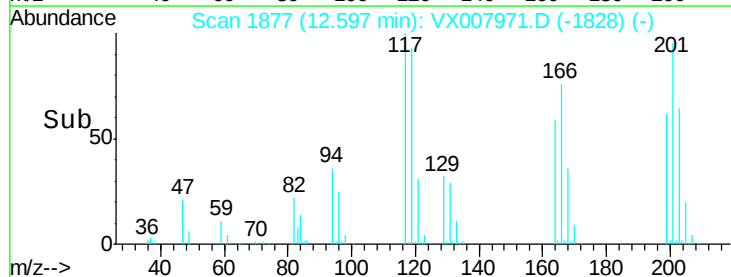
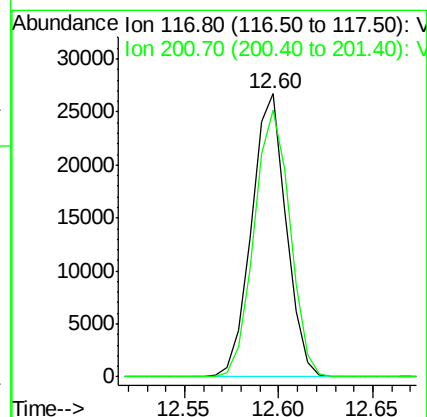
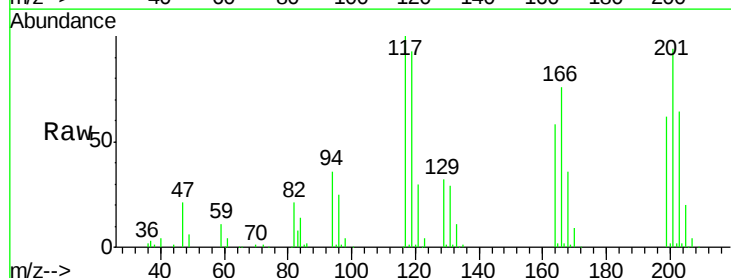
Acq: 11 Mar 2019 15:50

Tgt Ion: 117 Resp: 33980

Ion Ratio Lower Upper

117 100

201 97.3 48.9 146.7





#91

1,2-Dichlorobenzene

Concen: 20.377 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

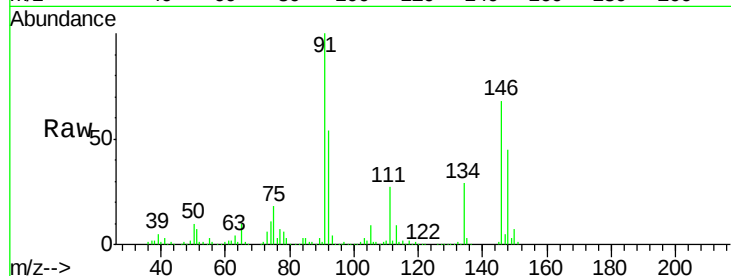
Tot Ion:146 Resp: 112200

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.8

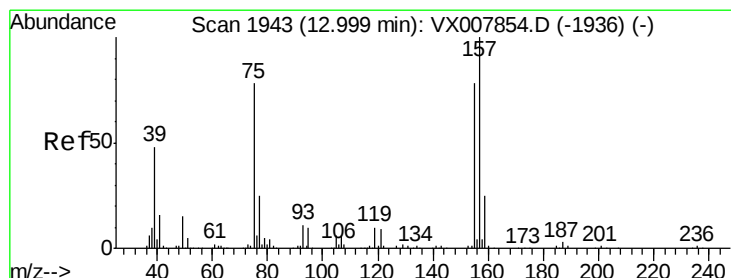
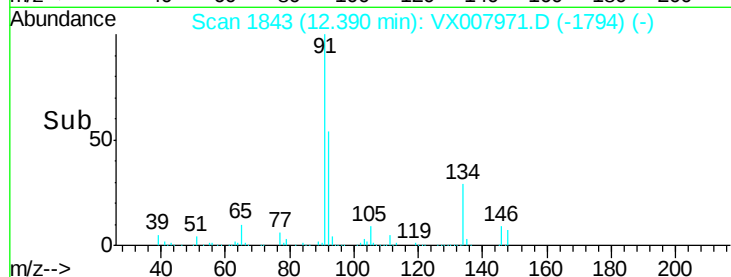
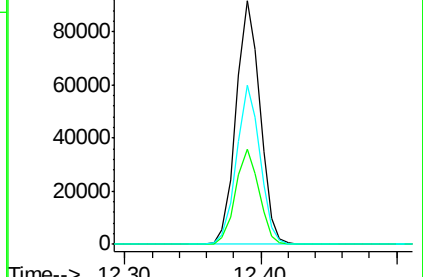
148 64.2 31.9 95.5



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: 18.358 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

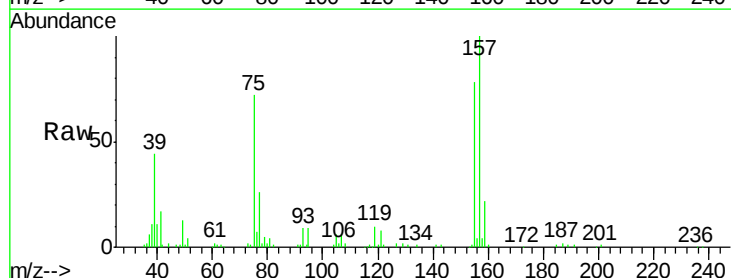
Tgt Ion: 75 Resp: 15123

Ion Ratio Lower Upper

75 100

155 101.5 49.7 149.1

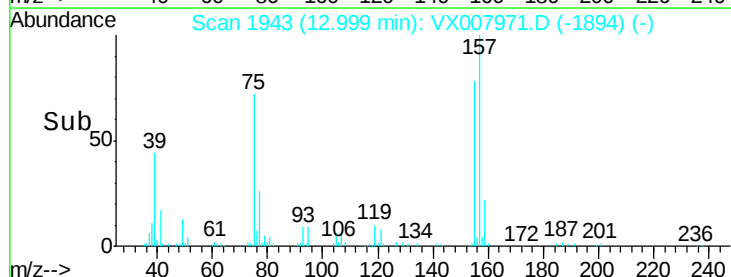
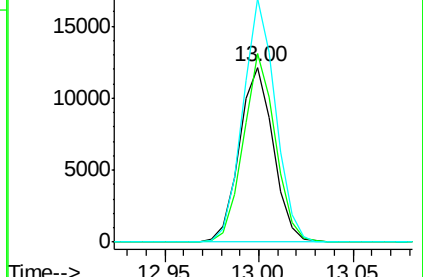
157 134.1 63.8 191.4

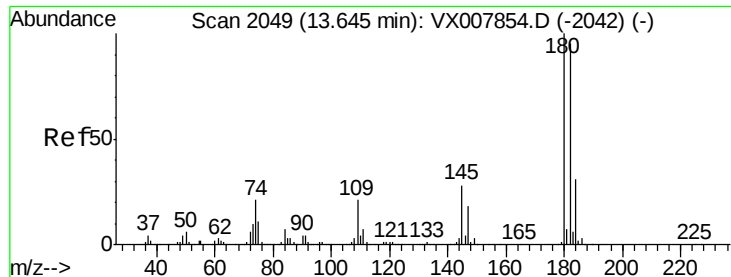


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

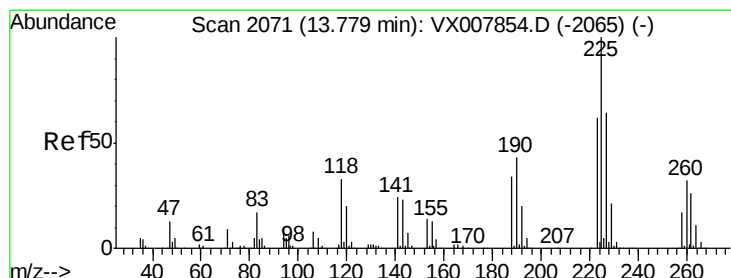
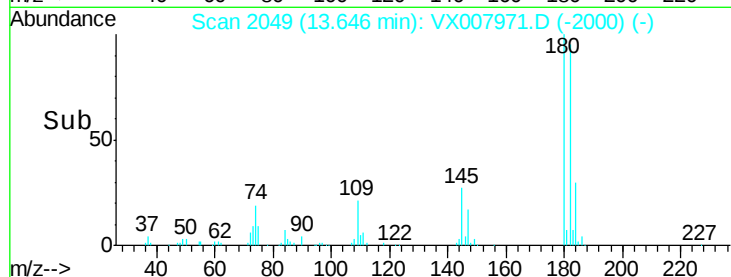
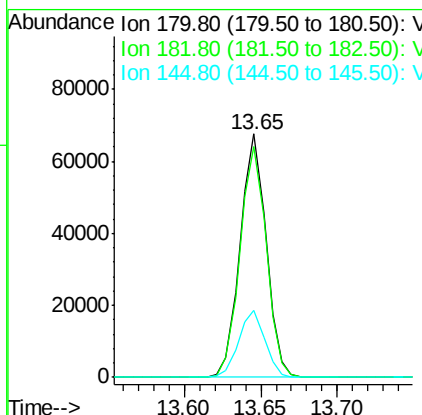
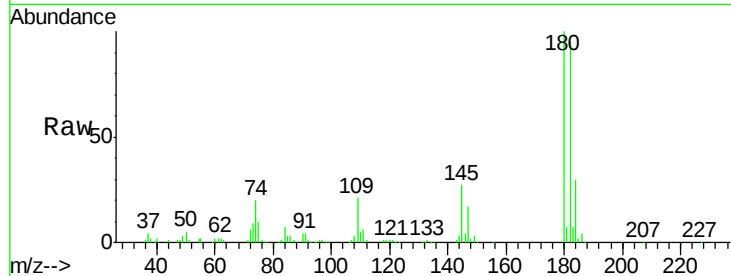




#93
 1,2,4-Trichlorobenzene
 Concen: 20.581 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

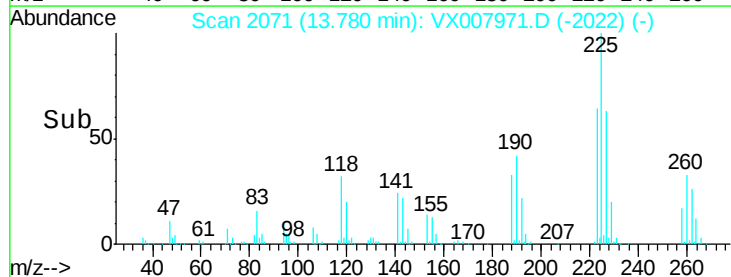
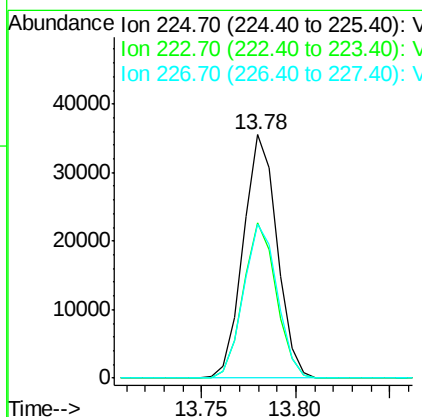
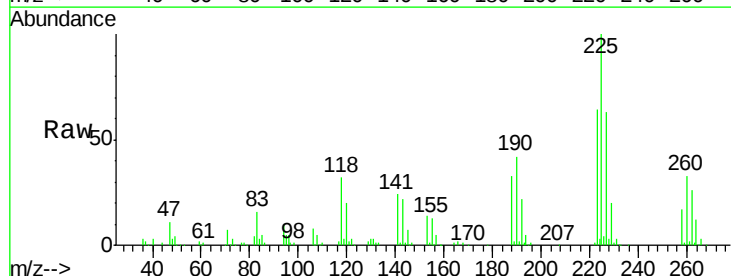
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

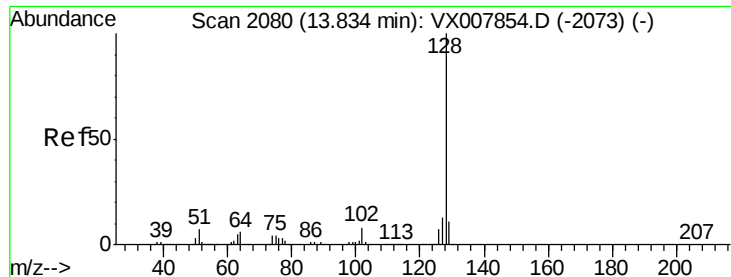
Tot Ion:180 Resp: 79611
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.9 143.7
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 21.814 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion:225 Resp: 44115
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.2
 227 63.2 32.0 96.0





#95

Naphthalene

Concen: 20.381 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

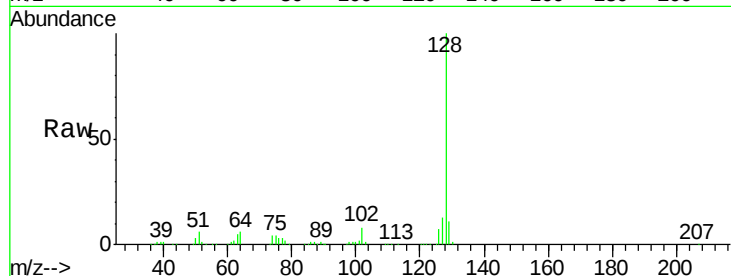
Tot Ion:128 Resp: 227151

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

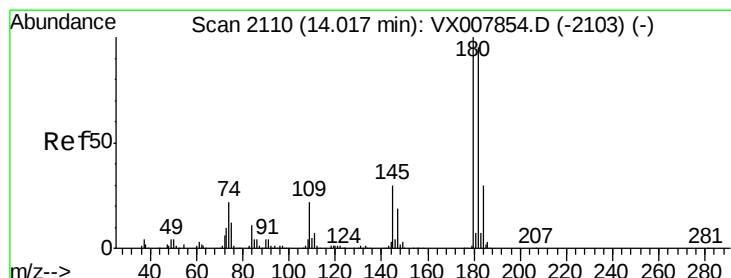
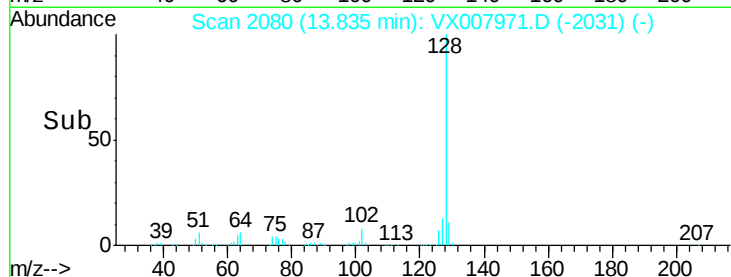
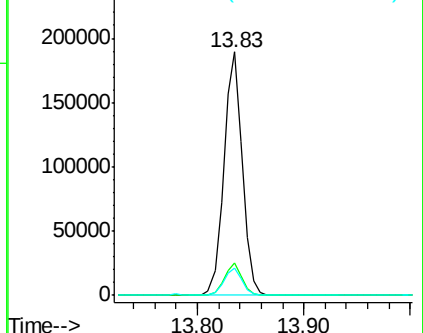
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.937 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

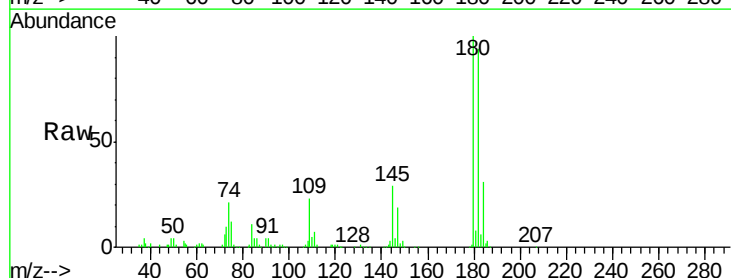
Tgt Ion:180 Resp: 80679

Ion Ratio Lower Upper

180 100

182 93.4 47.5 142.5

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

