

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012473.D
 Acq On : 18 Sep 2019 15:01
 Operator : JC/SP
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Quant Time: Sep 19 06:01:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	377644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	616301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	537702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	250149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	266480	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	5.49	113	198008	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	8.71	98	727794	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	11.14	95	284418	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25019	10.243	ug/l	93
3) Chloromethane	1.32	50	21516	10.363	ug/l	100
4) Vinyl Chloride	1.40	62	24210	10.789	ug/l	98
5) Bromomethane	1.63	94	10225	11.598	ug/l	99
6) Chloroethane	1.71	64	17321	9.864	ug/l	100
7) Trichlorofluoromethane	1.92	101	45657	11.099	ug/l	98
8) Diethyl Ether	2.18	74	19488	10.489	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	32041	10.765	ug/l	99
10) Methyl Iodide	2.50	142	23816	12.938	ug/l	96
11) Tert butyl alcohol	3.03	59	70147	46.323	ug/l	99
12) 1,1-Dichloroethene	2.36	96	25986	10.945	ug/l	94
13) Acrolein	2.28	56	18959	38.470	ug/l	99
14) Allyl chloride	2.72	41	57024	10.316	ug/l	99
15) Acrylonitrile	3.13	53	122736	52.331	ug/l	99
16) Acetone	2.44	43	118180	41.136	ug/l	97
17) Carbon Disulfide	2.56	76	30604	10.591	ug/l	95
18) Methyl Acetate	2.76	43	59799	10.603	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	135882	10.497	ug/l	95
20) Methylene Chloride	2.85	84	35132	10.725	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	27366	11.100	ug/l	95
22) Diisopropyl ether	3.84	45	133691	10.330	ug/l	98
23) Vinyl Acetate	3.80	43	562635	52.846	ug/l	99
24) 1,1-Dichloroethane	3.69	63	67067	10.830	ug/l	100
25) 2-Butanone	4.66	43	183939	48.993	ug/l	98
26) 2,2-Dichloropropane	4.57	77	57871	9.502	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	39484	10.720	ug/l	97
28) Bromochloromethane	5.01	49	30302	9.492	ug/l	98
29) Tetrahydrofuran	5.12	42	111403	53.712	ug/l	99
30) Chloroform	5.20	83	74647	10.496	ug/l	99
31) Cyclohexane	5.56	56	39953	10.688	ug/l	92
32) 1,1,1-Trichloroethane	5.48	97	63080	10.612	ug/l	100
36) 1,1-Dichloropropene	5.79	75	40354	10.774	ug/l	95
37) Ethyl Acetate	4.83	43	66914	11.638	ug/l	99
38) Carbon Tetrachloride	5.78	117	49547	10.636	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Quant Time: Sep 19 06:01:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40776	11.198	ug/l	96
40) Benzene	6.14	78	131959	11.079	ug/l	98
41) Methacrylonitrile	5.03	41	38681	10.448	ug/l	96
42) 1,2-Dichloroethane	6.18	62	60075	10.875	ug/l	99
43) Isopropyl Acetate	6.43	43	108891	10.552	ug/l	99
44) Trichloroethene	7.21	130	36084	11.517	ug/l	96
45) 1,2-Dichloropropane	7.51	63	39614	10.826	ug/l	98
46) Dibromomethane	7.65	93	26129	11.034	ug/l	99
47) Bromodichloromethane	7.89	83	55532	10.532	ug/l	97
48) Methyl methacrylate	7.76	41	50387	10.358	ug/l	98
49) 1,4-Dioxane	7.73	88	24750	209.054	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	364386	53.845	ug/l	99
52) Toluene	8.78	92	86408	11.258	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	56456	10.301	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60064	10.585	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	43330	10.958	ug/l	96
56) Ethyl methacrylate	9.17	69	65774	10.639	ug/l	97
57) 1,3-Dichloropropane	9.37	76	71191	11.284	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	178015	55.627	ug/l	100
59) 2-Hexanone	9.49	43	276343	52.342	ug/l	99
60) Dibromochloromethane	9.58	129	43422	10.781	ug/l	100
61) 1,2-Dibromoethane	9.67	107	40931	11.334	ug/l	99
64) Tetrachloroethene	9.33	164	32301	13.109	ug/l	93
65) Chlorobenzene	10.14	112	101633	11.452	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	42064	11.420	ug/l	99
67) Ethyl Benzene	10.25	91	173574	11.384	ug/l	99
68) m/p-Xylenes	10.35	106	128974	23.248	ug/l	99
69) o-Xylene	10.70	106	67051	11.752	ug/l	97
70) Styrene	10.71	104	115226	11.415	ug/l	99
71) Bromoform	10.85	173	30173	11.838	ug/l #	98
73) Isopropylbenzene	11.01	105	184665	11.766	ug/l	100
74) N-amyl acetate	10.89	43	95769	11.333	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	69543	11.295	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	80301	13.975	ug/l	87
77) Bromobenzene	11.25	156	46535	12.157	ug/l	97
78) n-propylbenzene	11.35	91	201608	11.525	ug/l	99
79) 2-Chlorotoluene	11.42	91	131608	11.565	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	158326	11.828	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19927	12.027	ug/l	96
82) 4-Chlorotoluene	11.51	91	151517	11.601	ug/l	99
83) tert-Butylbenzene	11.77	119	161016	11.226	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	159943	11.637	ug/l	100
85) sec-Butylbenzene	11.94	105	180670	11.431	ug/l	99
86) p-Isopropyltoluene	12.06	119	167907	11.569	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	83632	11.615	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	85993	11.626	ug/l	97
89) n-Butylbenzene	12.38	91	141472	10.925	ug/l	98
90) Hexachloroethane	12.59	117	28563	10.733	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	87279	11.597	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18419	11.539	ug/l	97

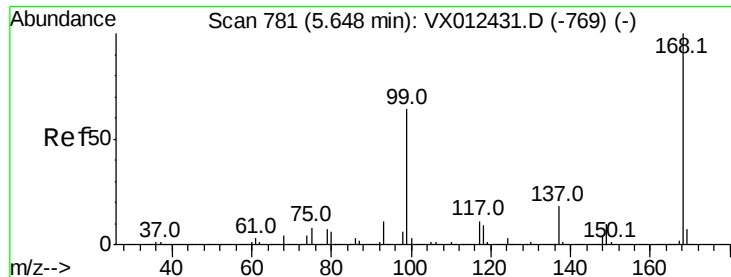
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012473.D
Acq On : 18 Sep 2019 15:01
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ClientSampleId :
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Quant Time: Sep 19 06:01:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	56123	11.578	ug/l	98
94) Hexachlorobutadiene	13.78	225	24328	10.648	ug/l	99
95) Naphthalene	13.83	128	208174	12.069	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	58514	11.846	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

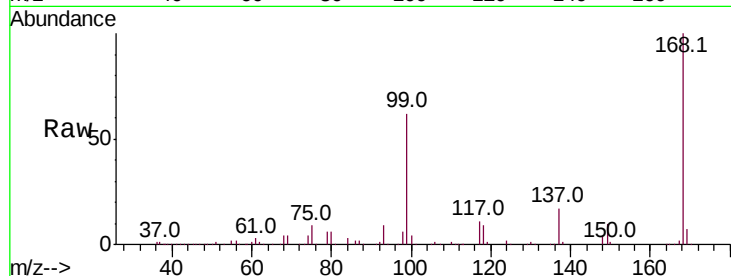
VX0918WBSD01

Tot Ion:168 Resp: 377644

Ion Ratio Lower Upper

168 100

99 62.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

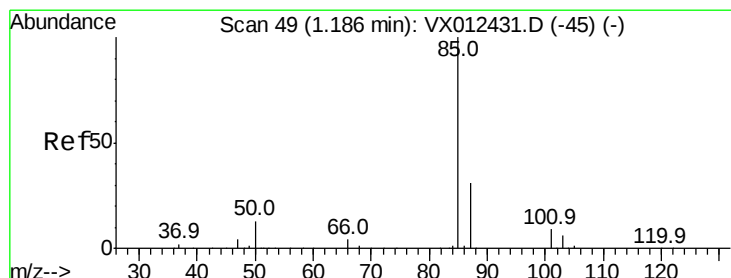
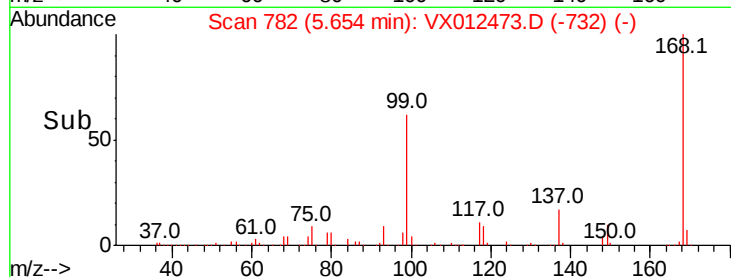
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 10.243 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012473.D

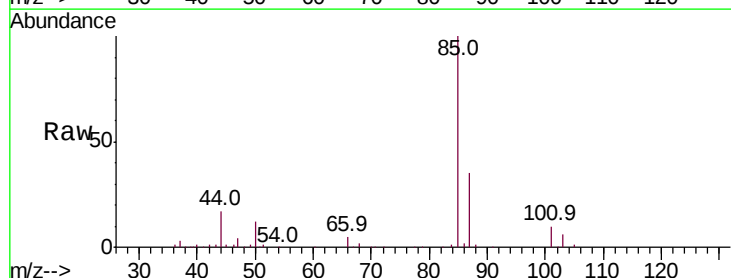
Acq: 18 Sep 2019 15:01

Tgt Ion: 85 Resp: 25019

Ion Ratio Lower Upper

85 100

87 35.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

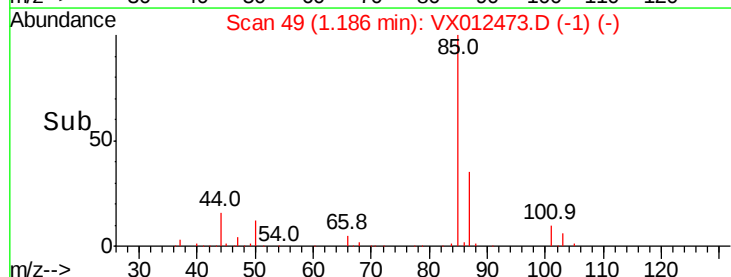
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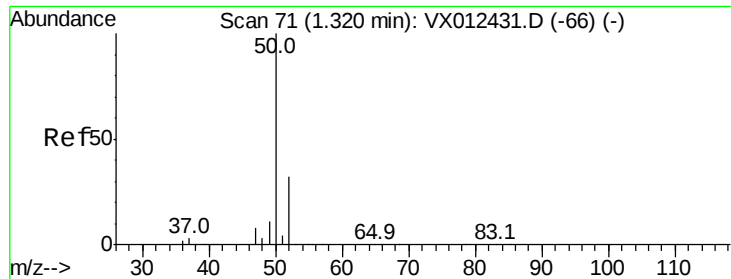
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 10.363 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

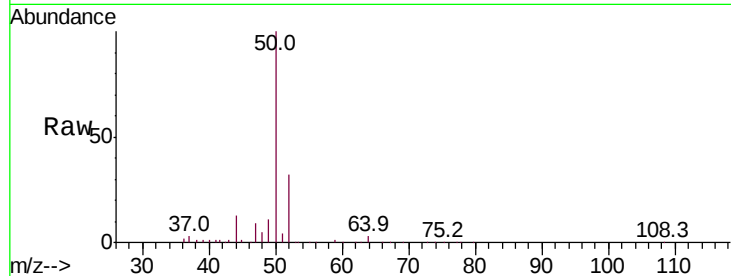
VX0918WBSD01

Tot Ion: 50 Resp: 21516

Ion Ratio Lower Upper

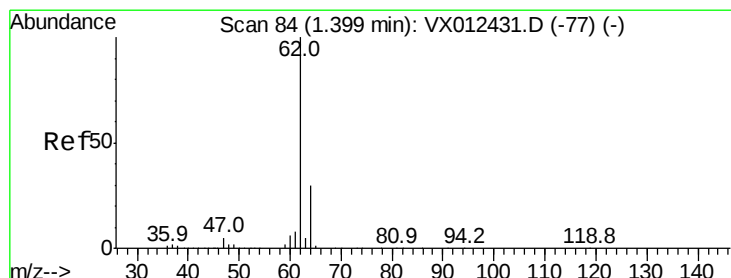
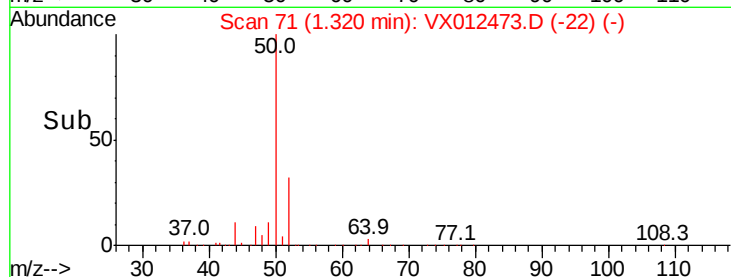
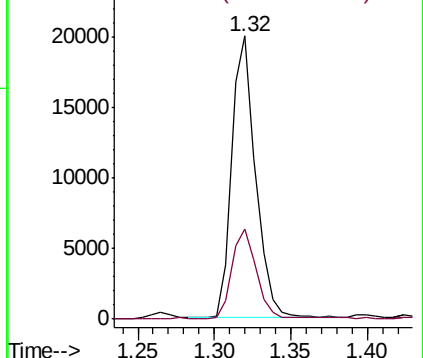
50 100

52 31.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 10.789 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012473.D

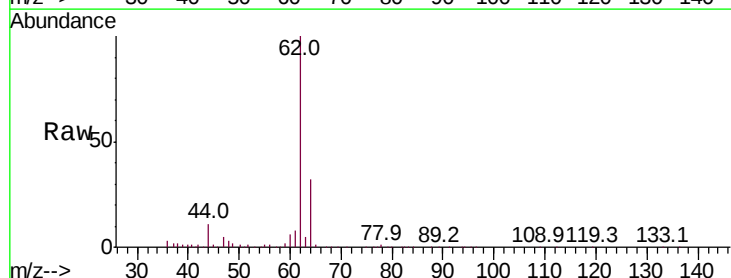
Acq: 18 Sep 2019 15:01

Tgt Ion: 62 Resp: 24210

Ion Ratio Lower Upper

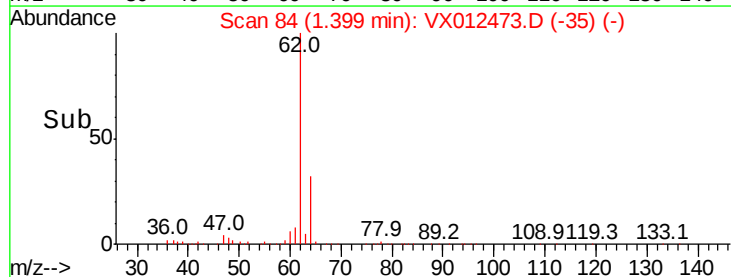
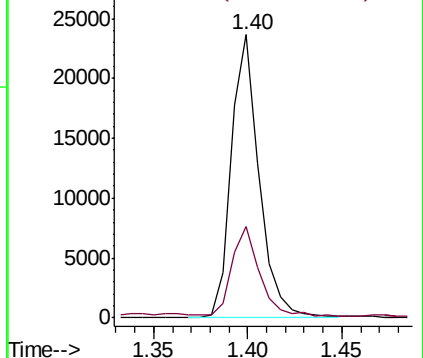
62 100

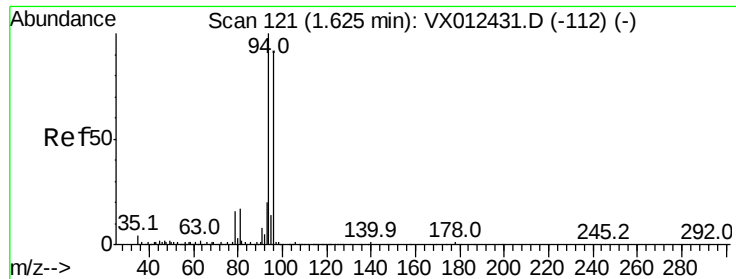
64 31.5 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 11.598 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

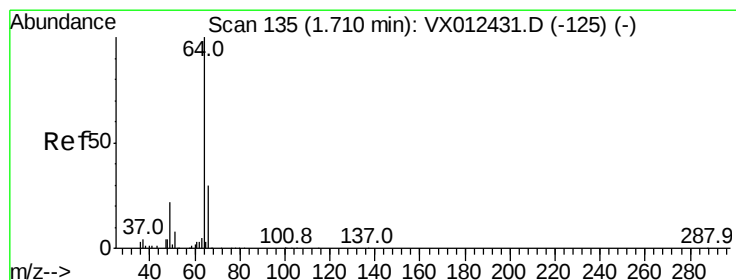
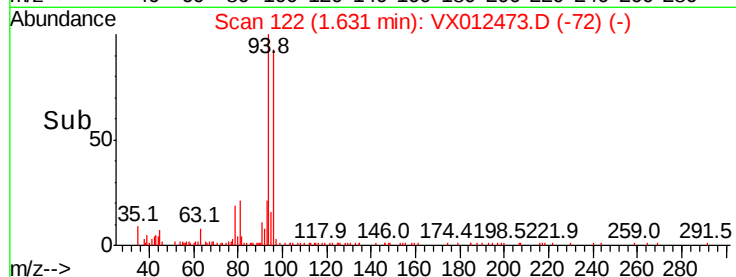
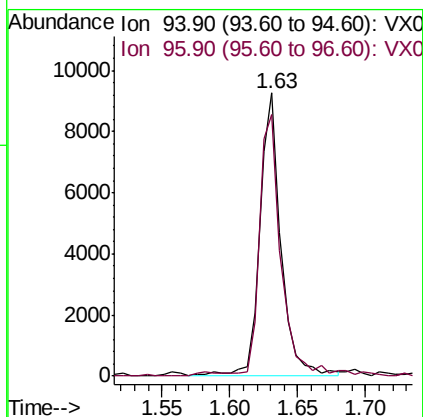
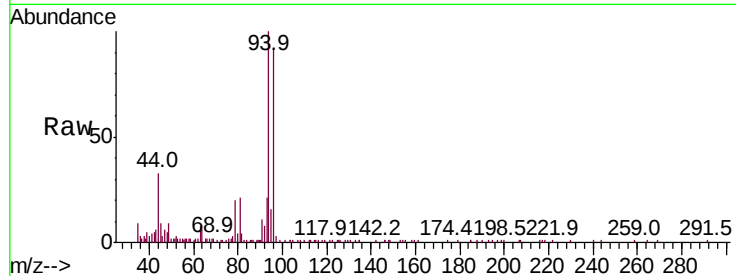
VX0918WBSD01

Tot Ion: 94 Resp: 10225

Ion Ratio Lower Upper

94 100

96 92.4 72.8 109.2



#6

Chloroethane

Concen: 9.864 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012473.D

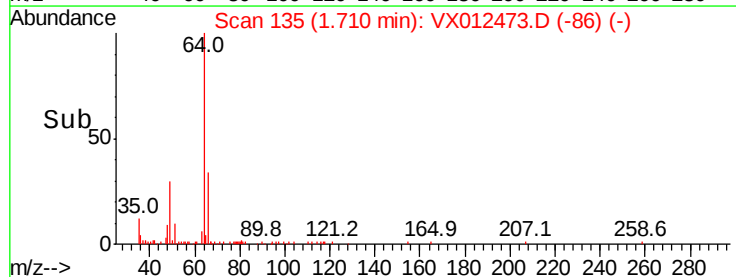
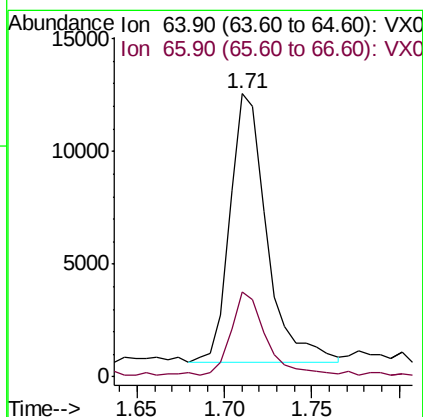
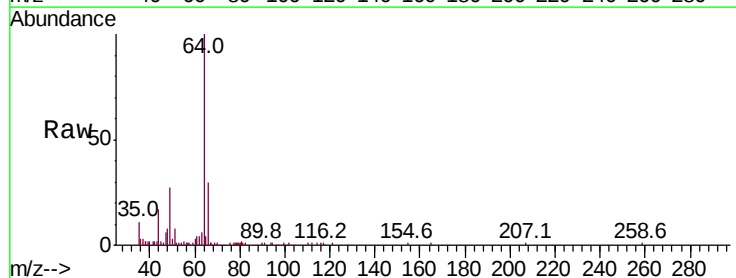
Acq: 18 Sep 2019 15:01

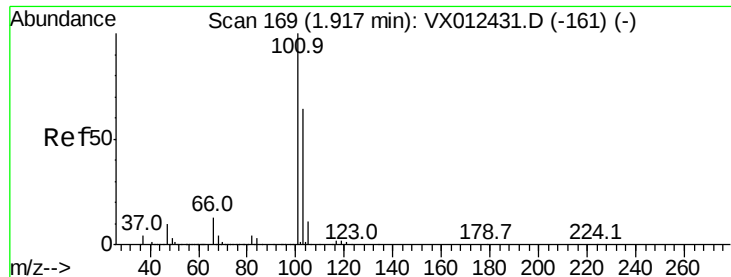
Tgt Ion: 64 Resp: 17321

Ion Ratio Lower Upper

64 100

66 30.1 24.0 36.0



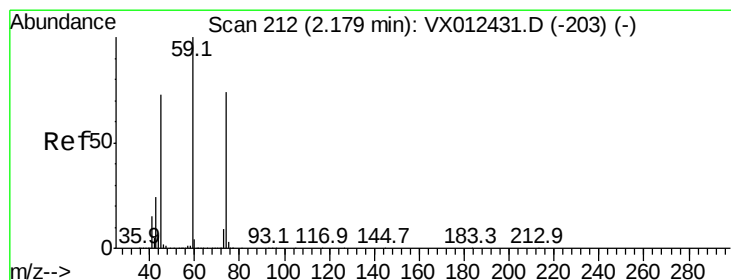
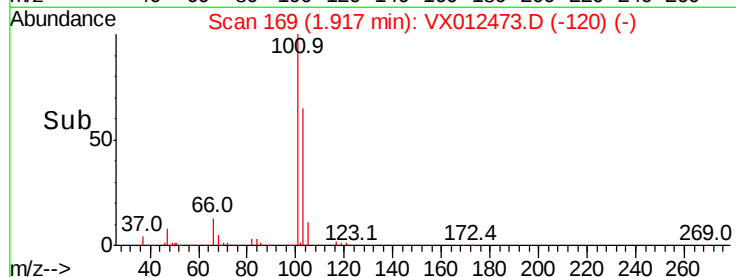
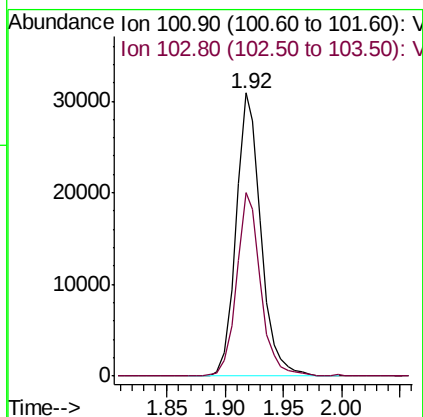
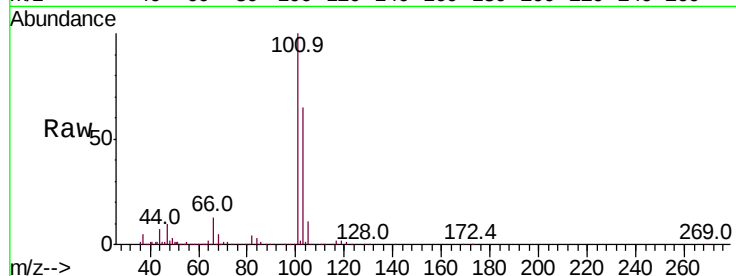


#7

Trichlorofluoromethane
 Concen: 11.099 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

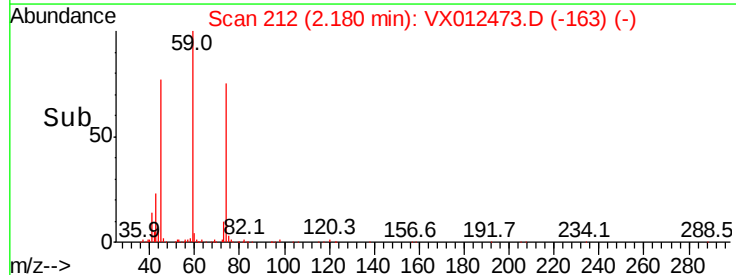
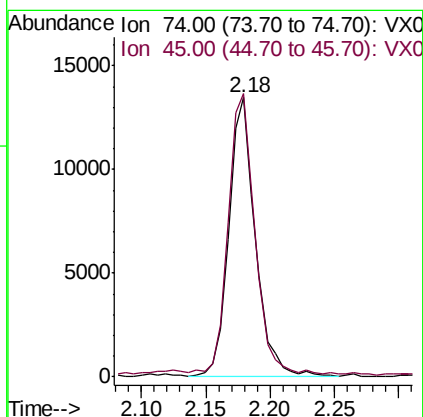
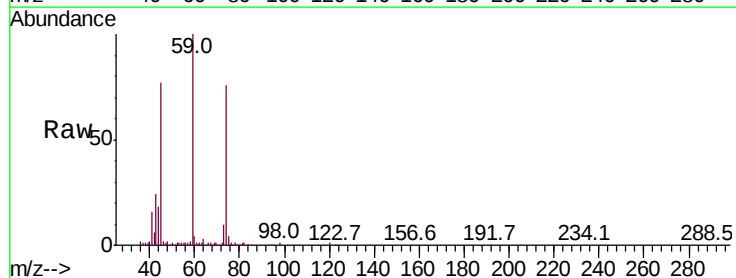
Tot Ion:101 Resp: 45657
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.0 76.4

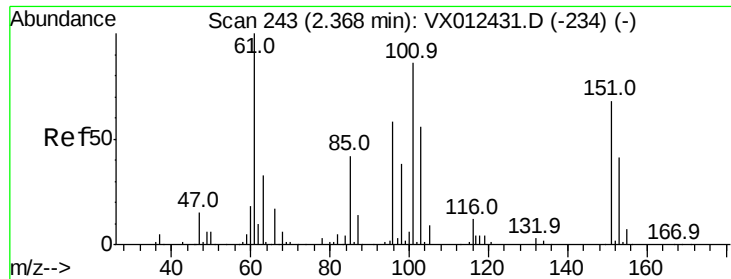


#8

Diethyl Ether
 Concen: 10.489 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion: 74 Resp: 19488
 Ion Ratio Lower Upper
 74 100
 45 101.1 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.765 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

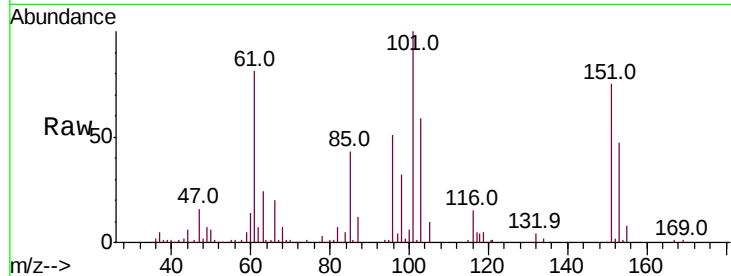
Tot Ion:101 Resp: 32041

Ion Ratio Lower Upper

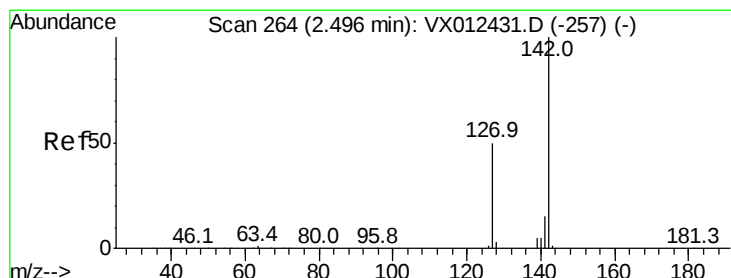
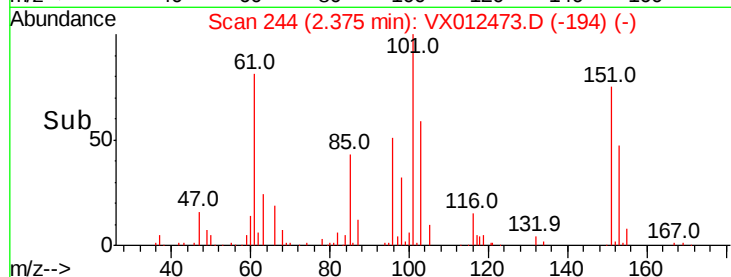
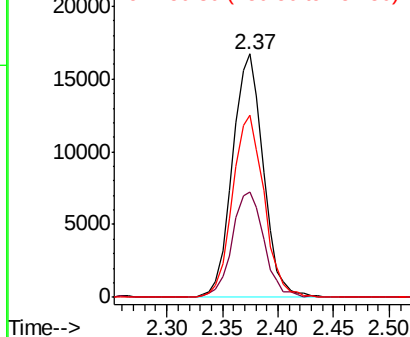
101 100

85 44.9 37.3 55.9

151 76.7 61.0 91.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.938 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

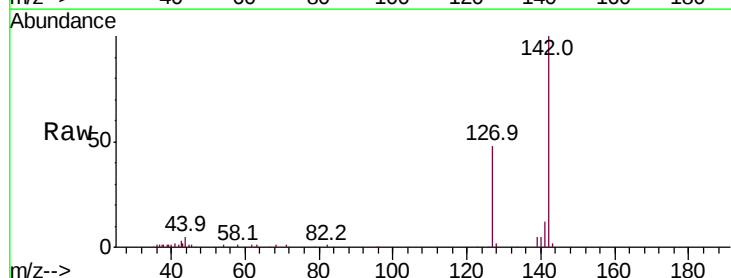
Tgt Ion:142 Resp: 23816

Ion Ratio Lower Upper

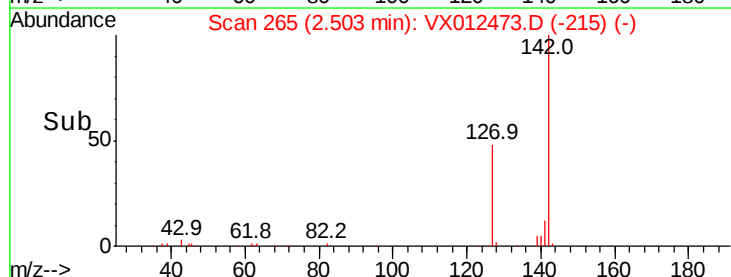
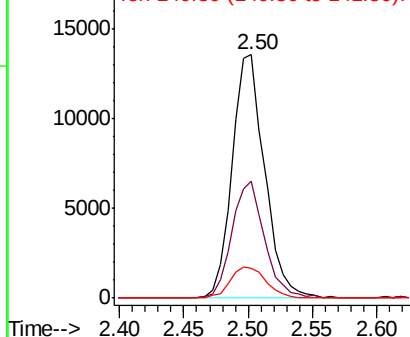
142 100

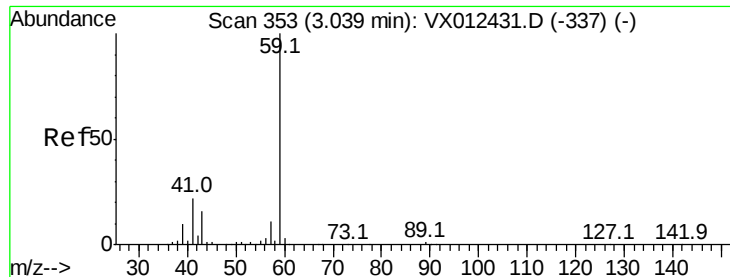
127 48.1 40.8 61.2

141 13.8 12.1 18.1



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: 46.323 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

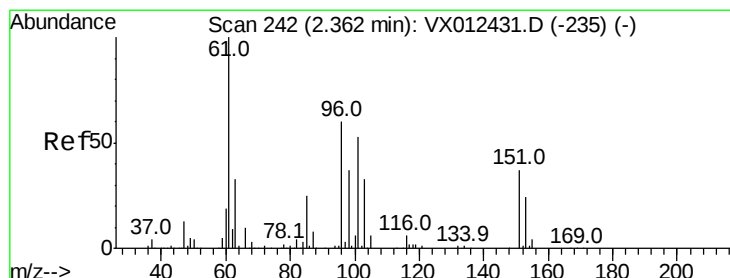
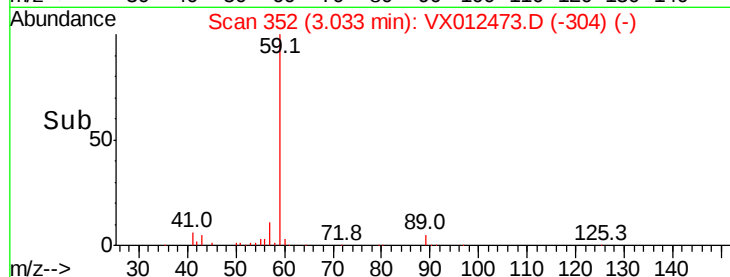
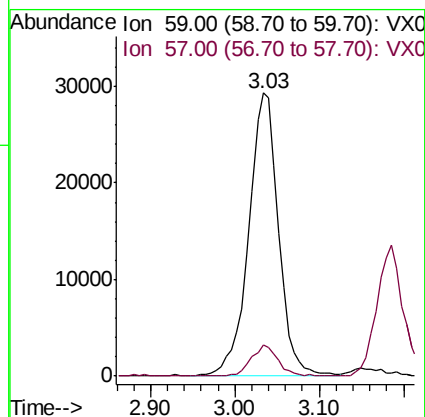
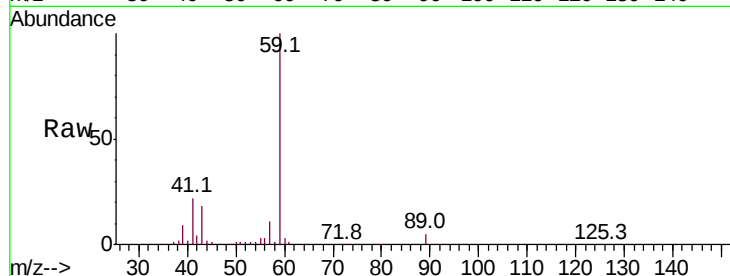
VX0918WBSD01

Tot Ion: 59 Resp: 70147

Ion Ratio Lower Upper

59 100

57 10.0 8.3 12.5



#12

1,1-Dichloroethene

Concen: 10.945 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

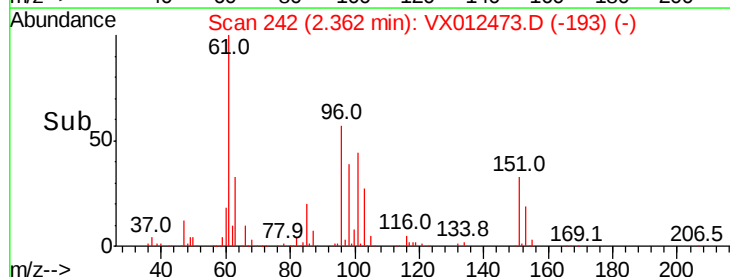
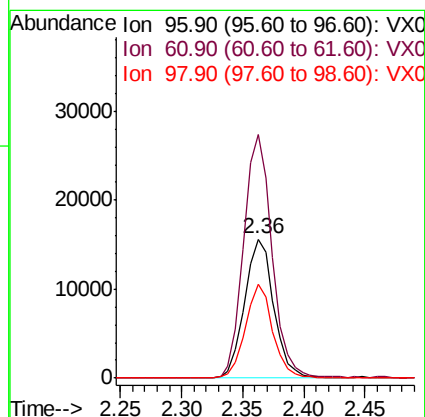
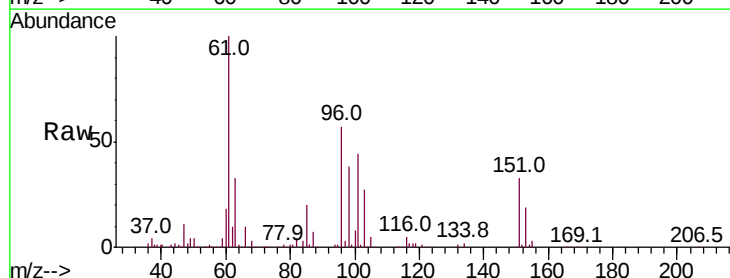
Tgt Ion: 96 Resp: 25986

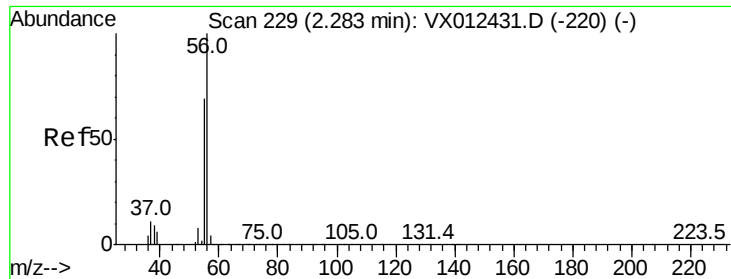
Ion Ratio Lower Upper

96 100

61 174.5 133.8 200.6

98 67.2 49.9 74.9





#13

Acrolein

Concen: 38.470 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

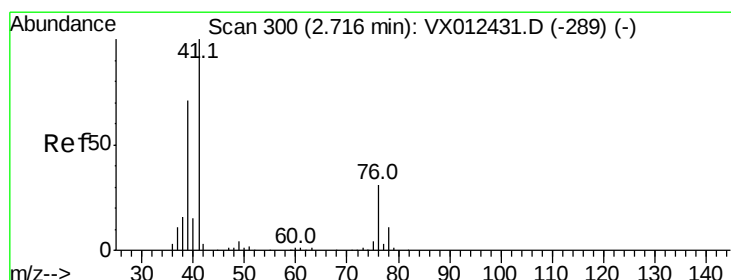
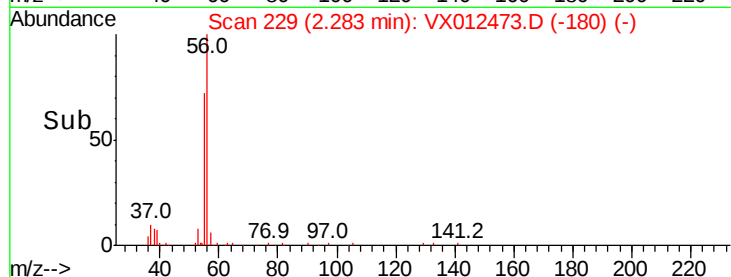
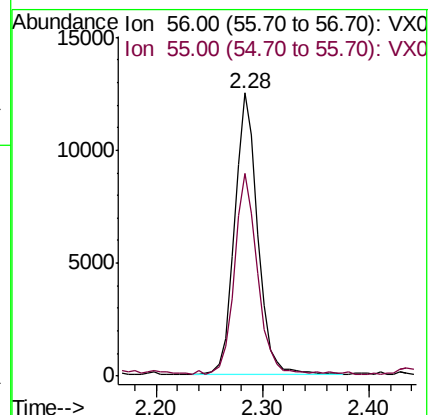
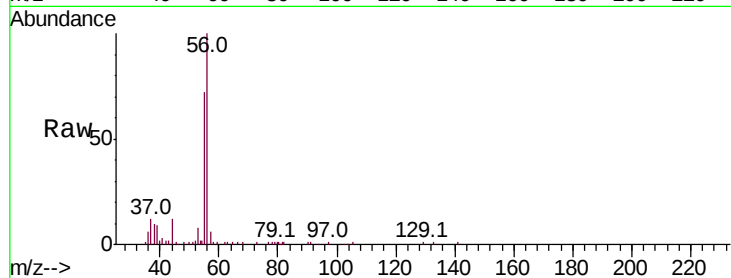
VX0918WBSD01

Tot Ion: 56 Resp: 18959

Ion Ratio Lower Upper

56 100

55 70.3 55.8 83.8



#14

Allyl chloride

Concen: 10.316 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

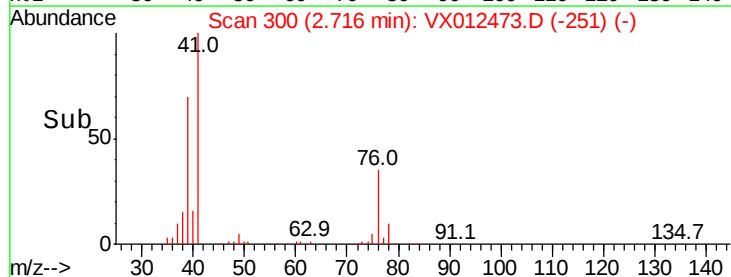
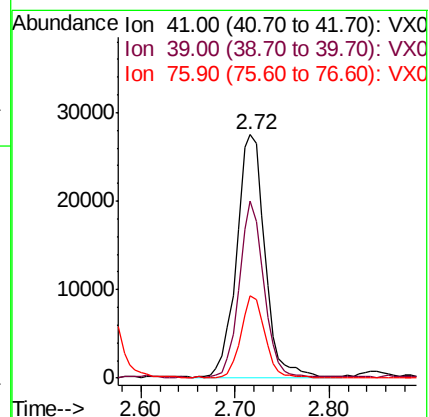
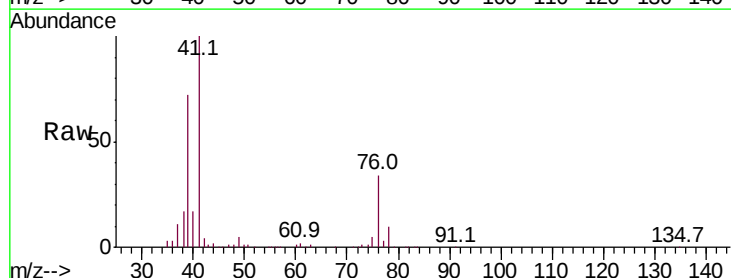
Tgt Ion: 41 Resp: 57024

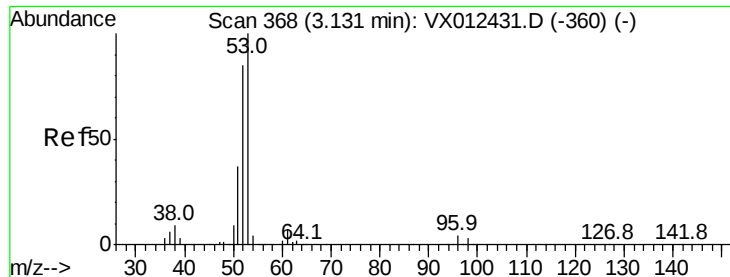
Ion Ratio Lower Upper

41 100

39 63.4 51.3 76.9

76 29.4 22.6 33.8





#15

Acrylonitrile

Concen: 52.331 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

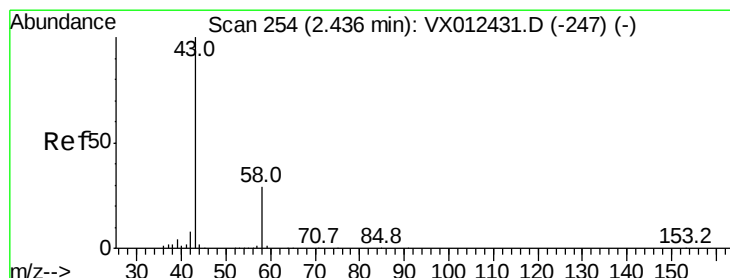
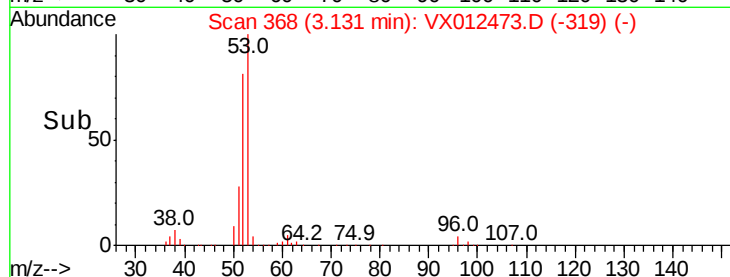
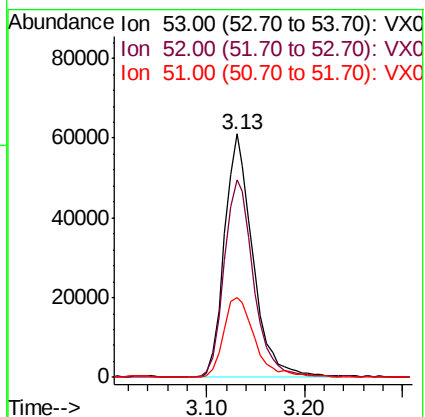
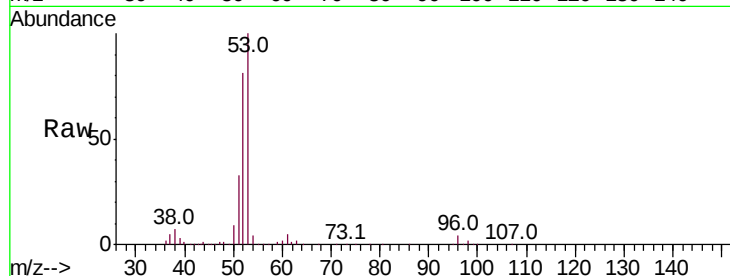
Tot Ion: 53 Resp: 122736

Ion Ratio Lower Upper

53 100

52 83.8 67.0 100.4

51 35.9 29.6 44.4



#16

Acetone

Concen: 41.136 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012473.D

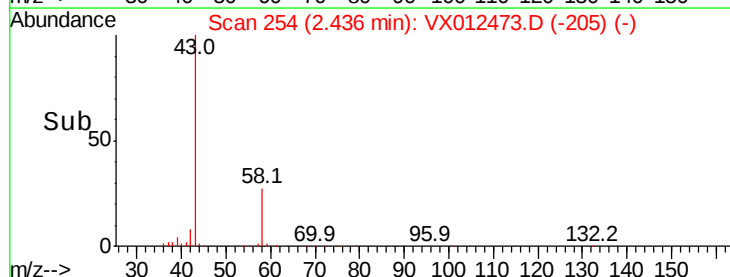
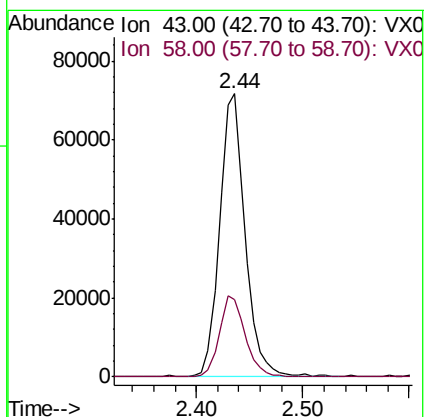
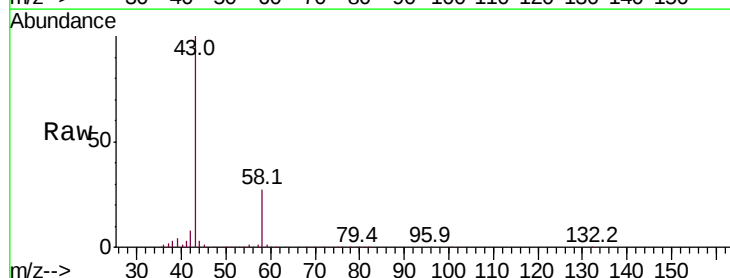
Acq: 18 Sep 2019 15:01

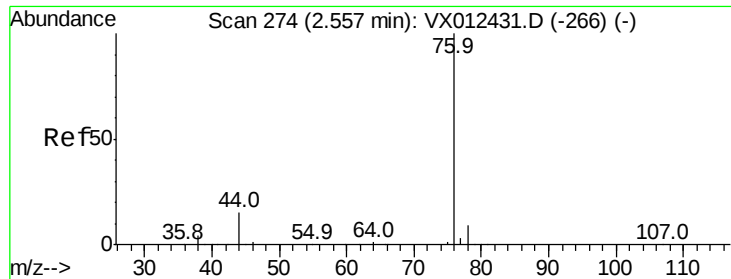
Tgt Ion: 43 Resp: 118180

Ion Ratio Lower Upper

43 100

58 27.4 23.3 34.9

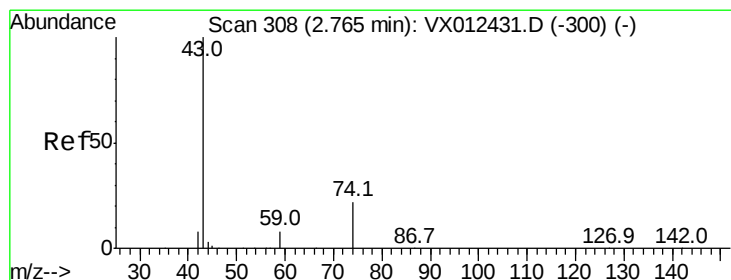
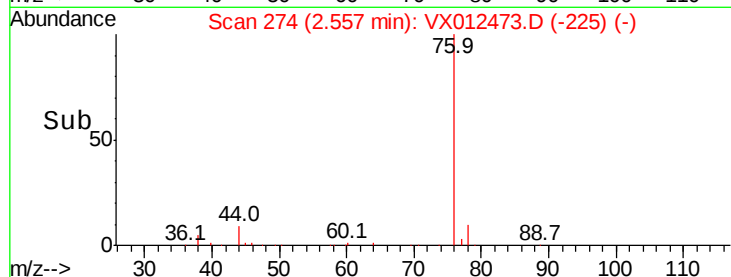
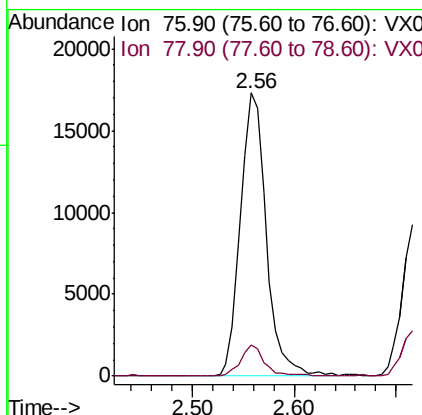
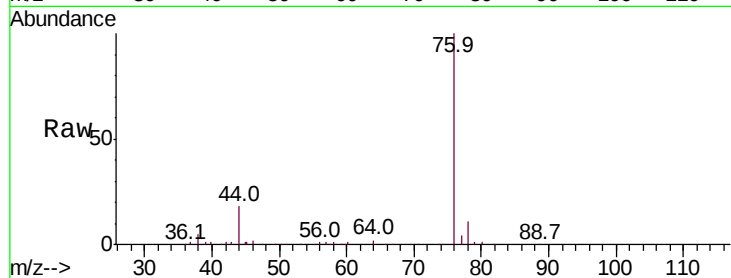




#17
Carbon Disulfide
Concen: 10.591 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

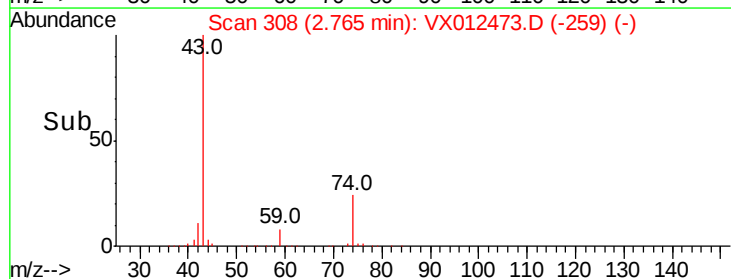
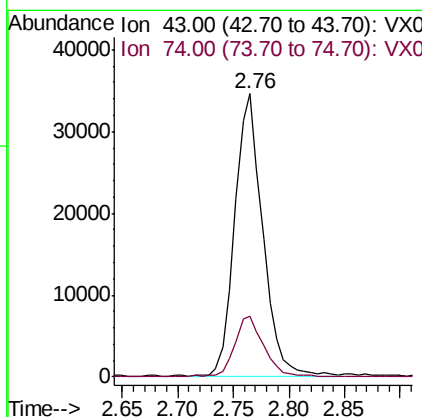
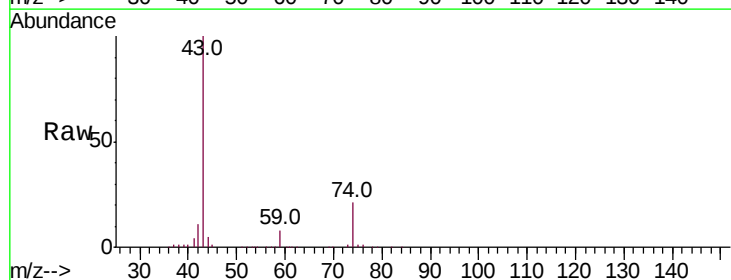
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

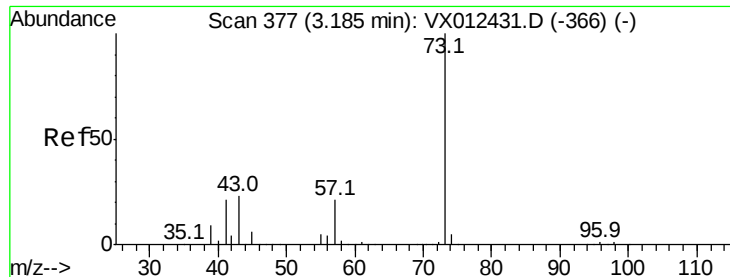
Tot Ion: 76 Resp: 30604
Ion Ratio Lower Upper
76 100
78 10.9 7.3 10.9



#18
Methyl Acetate
Concen: 10.603 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 43 Resp: 59799
Ion Ratio Lower Upper
43 100
74 22.8 17.7 26.5

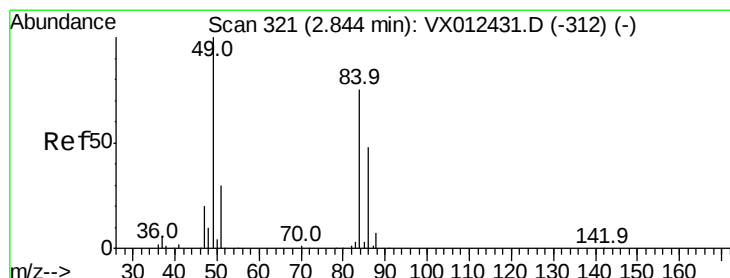
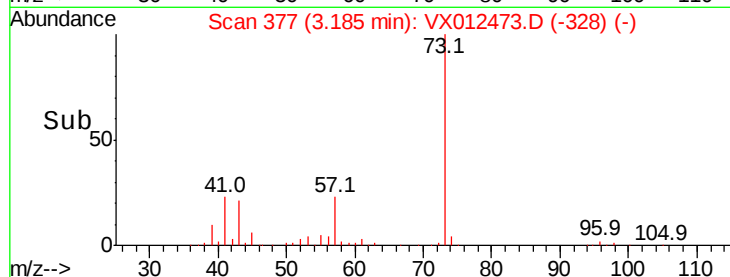
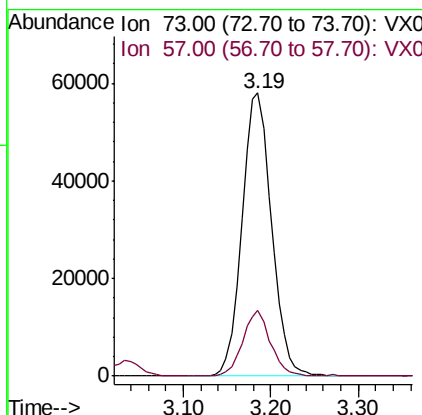
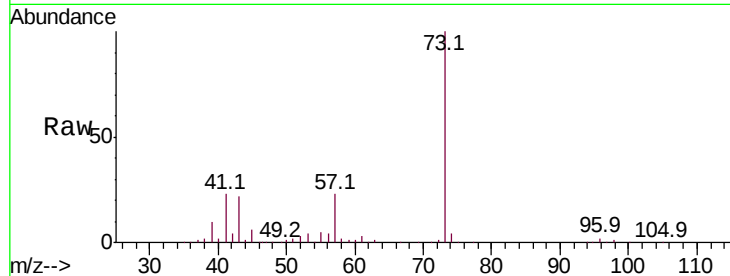




#19
Methyl tert-butyl Ether
Concen: 10.497 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

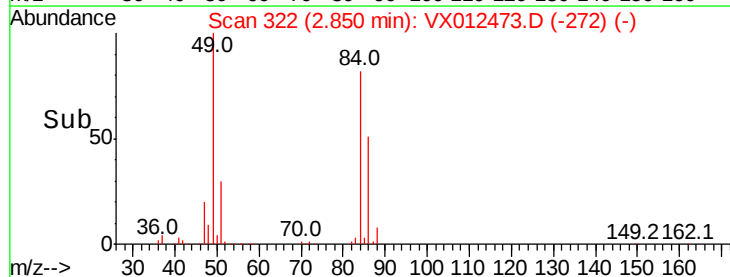
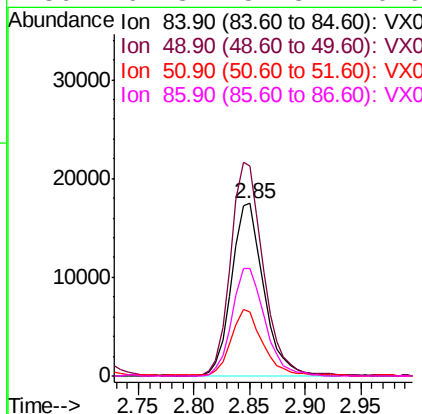
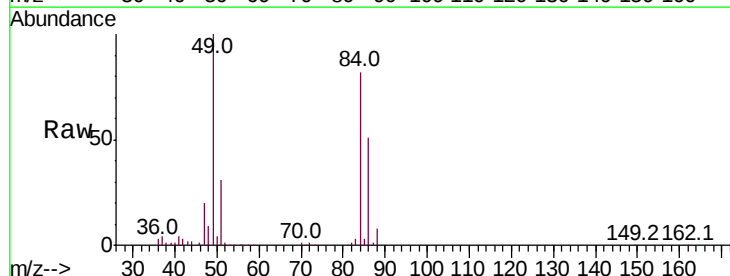
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

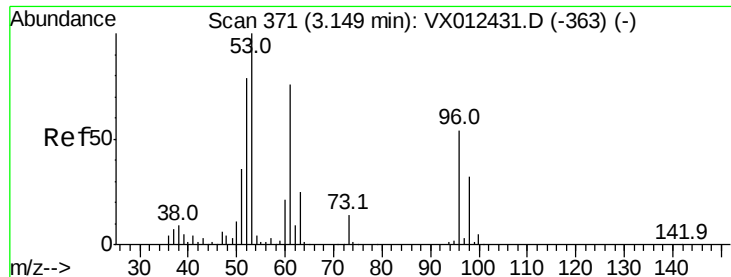
Tot Ion: 73 Resp: 135882
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#20
Methylene Chloride
Concen: 10.725 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 84 Resp: 35132
Ion Ratio Lower Upper
84 100
49 121.7 106.8 160.2
51 37.0 32.3 48.5
86 62.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 11.100 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

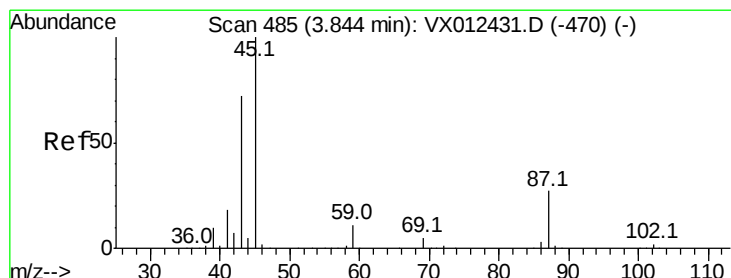
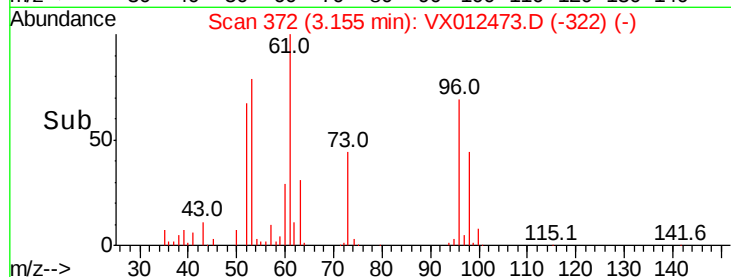
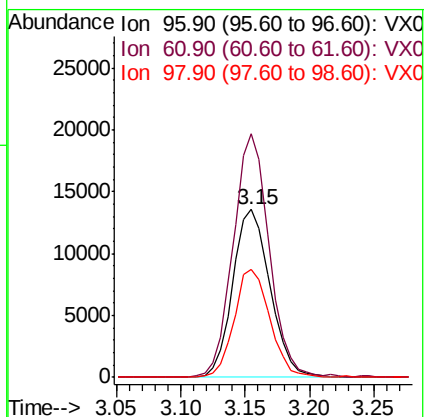
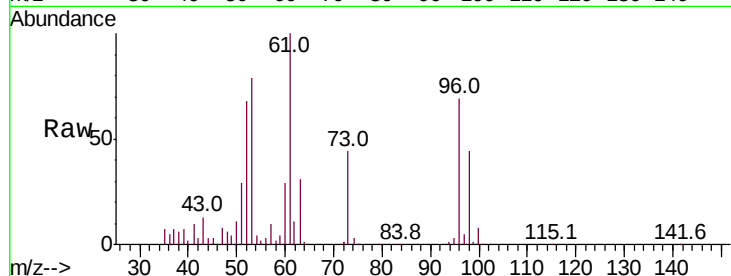
Tot Ion: 96 Resp: 27366

Ion Ratio Lower Upper

96 100

61 145.1 112.0 168.0

98 64.5 47.8 71.8



#22

Diisopropyl ether

Concen: 10.330 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Tgt Ion: 45 Resp: 133691

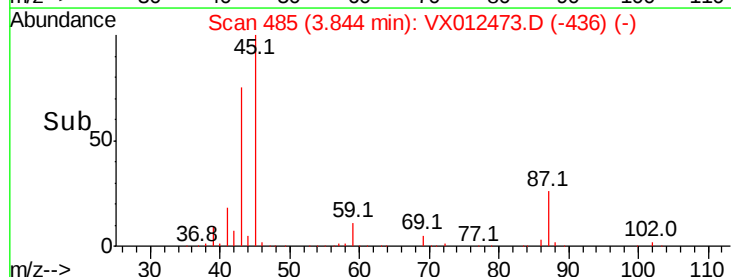
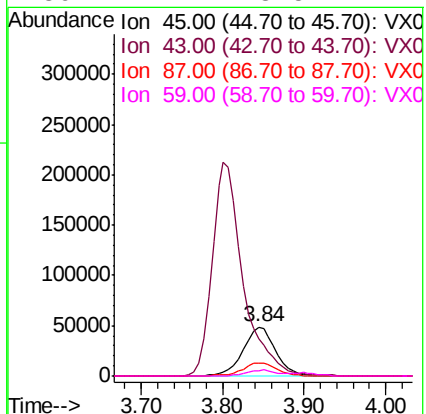
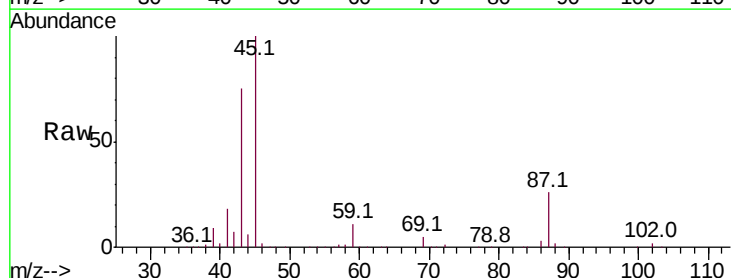
Ion Ratio Lower Upper

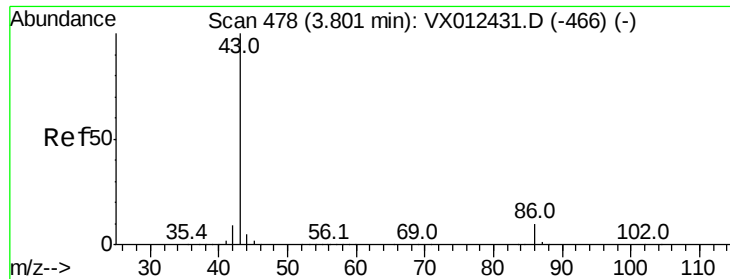
45 100

43 74.2 57.8 86.8

87 26.5 21.3 31.9

59 11.4 8.5 12.7





#23

Vinyl Acetate

Concen: 52.846 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

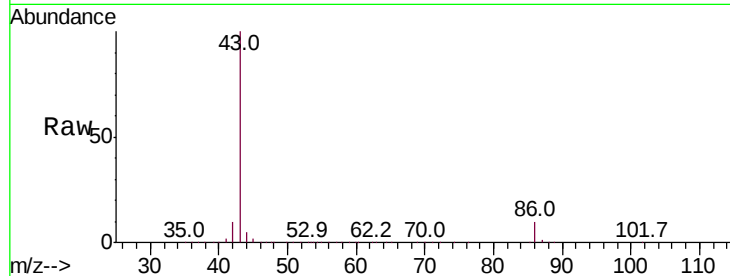
VX0918WBSD01

Tot Ion: 43 Resp: 562635

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

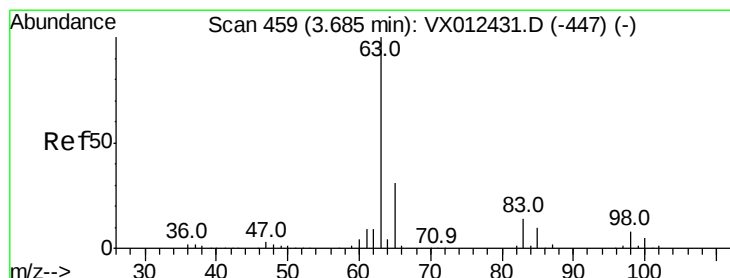
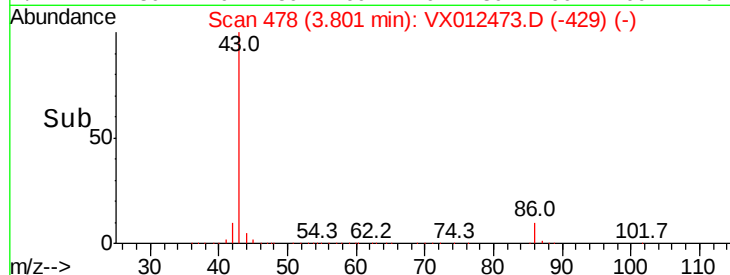
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 10.830 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

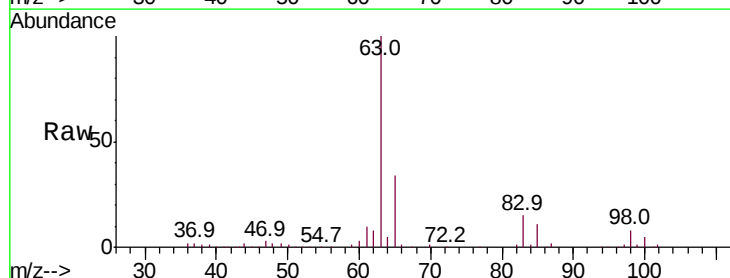
Tgt Ion: 63 Resp: 67067

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 4.7 2.3 6.9



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

30000

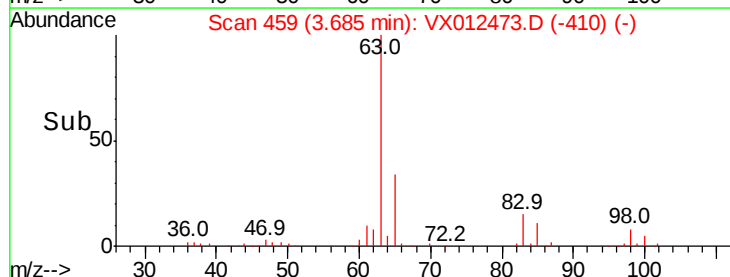
20000

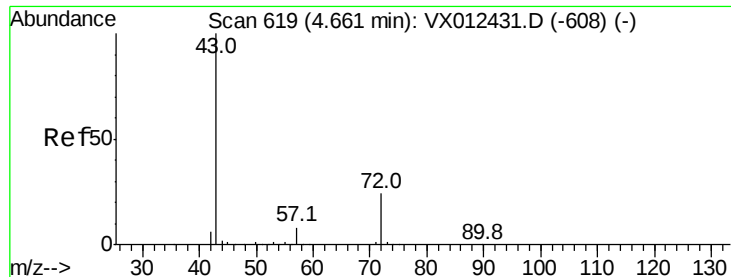
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 48.993 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

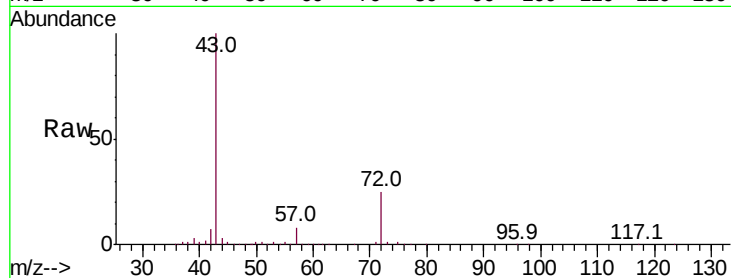
VX0918WBSD01

Tot Ion: 43 Resp: 183939

Ion Ratio Lower Upper

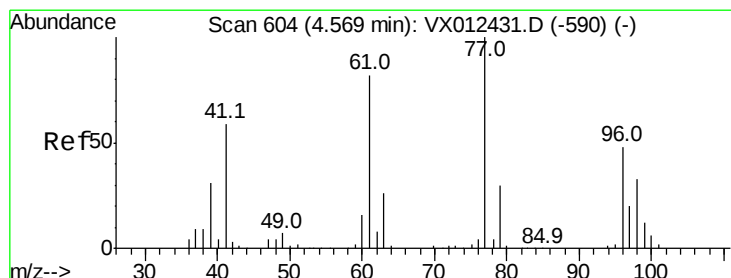
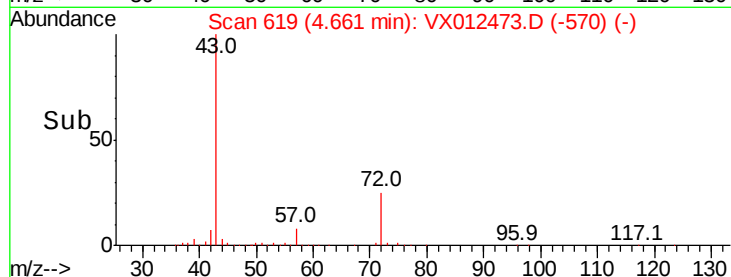
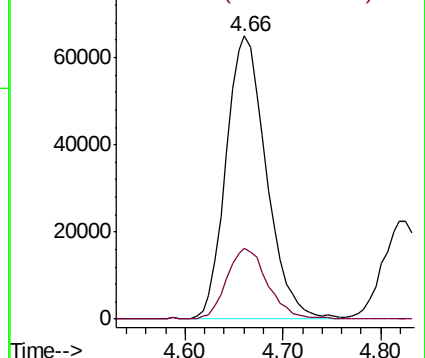
43 100

72 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 9.502 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012473.D

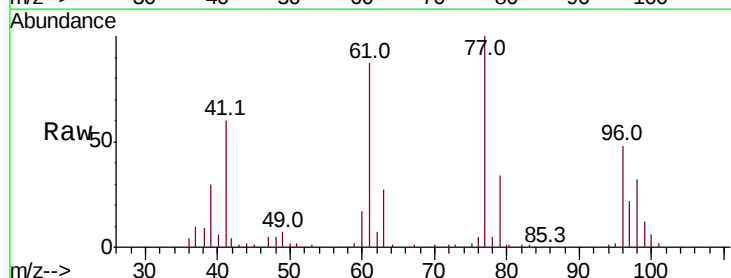
Acq: 18 Sep 2019 15:01

Tgt Ion: 77 Resp: 57871

Ion Ratio Lower Upper

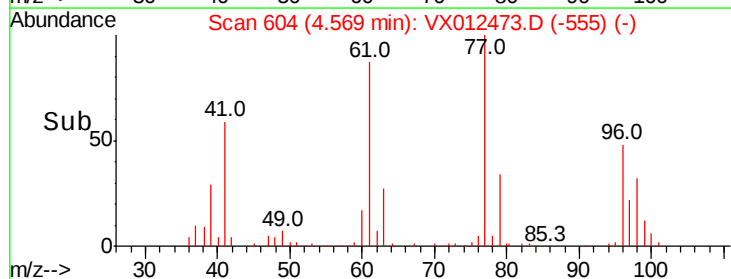
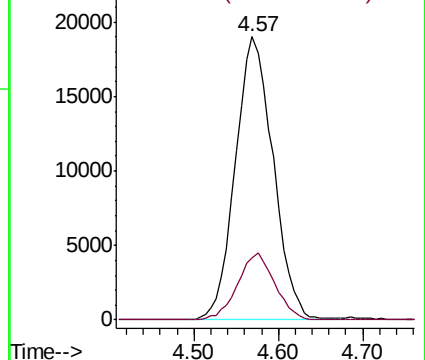
77 100

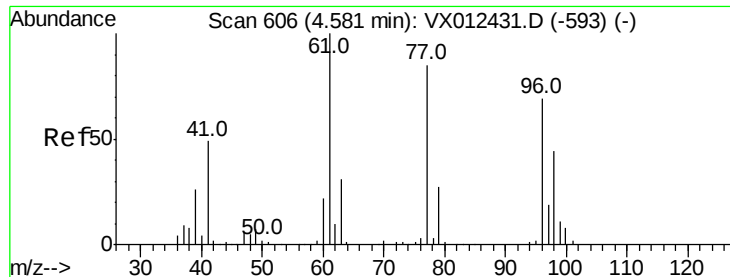
97 23.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



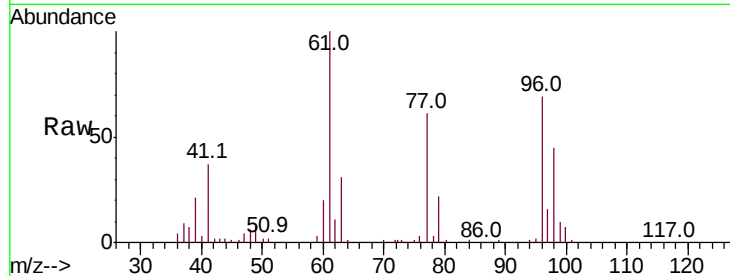


#27

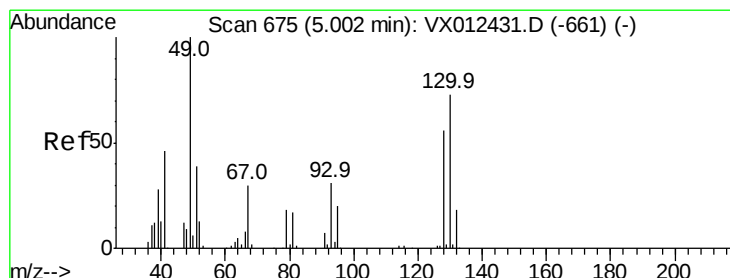
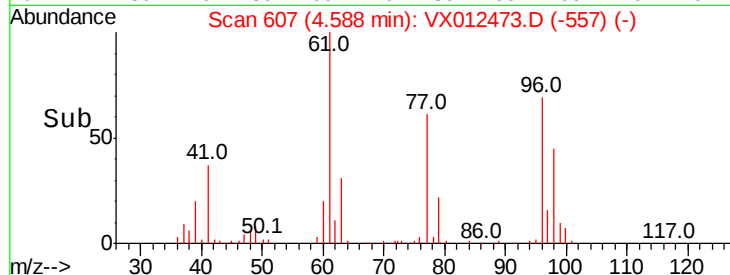
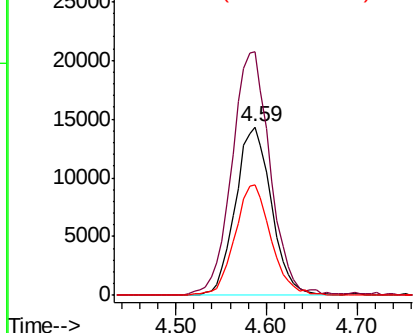
cis-1,2-Dichloroethene
 Concen: 10.720 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion: 96 Resp: 39484
 Ion Ratio Lower Upper
 96 100
 61 153.4 0.0 319.4
 98 65.4 0.0 130.6



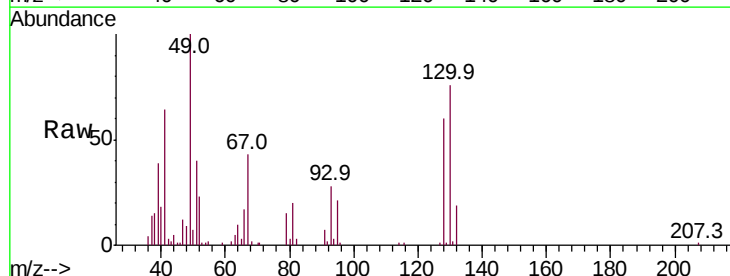
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



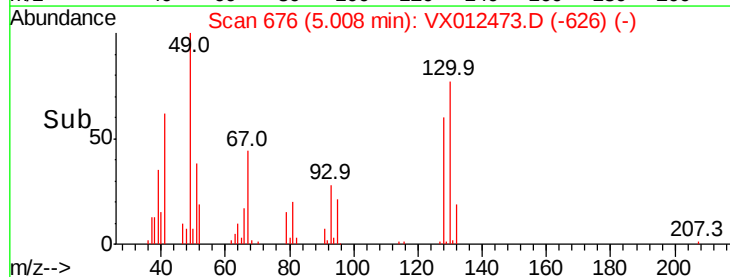
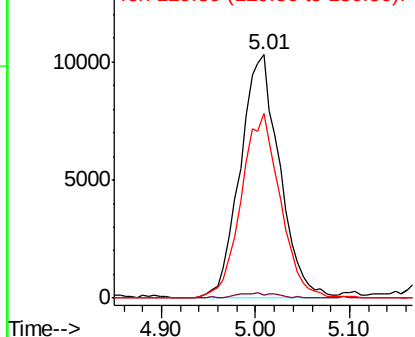
#28

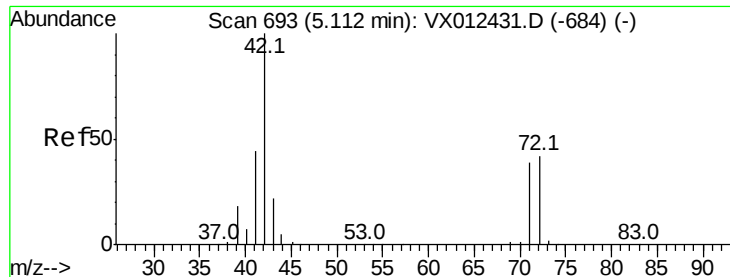
Bromochloromethane
 Concen: 9.492 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion: 49 Resp: 30302
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.8
 130 74.9 58.2 87.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

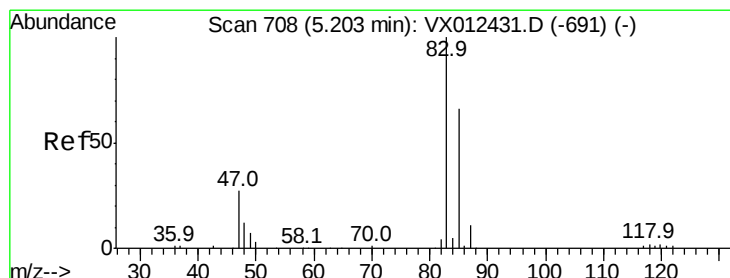
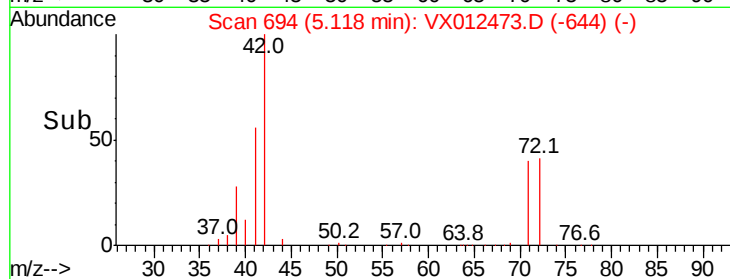
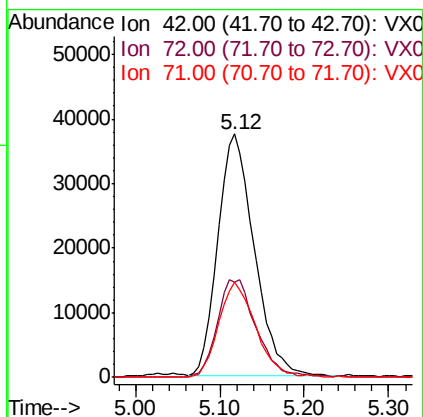
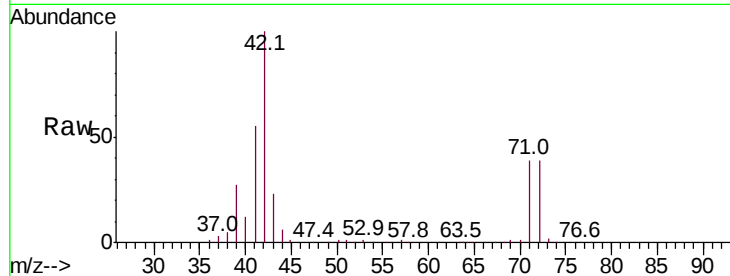




#29
Tetrahydrofuran
Concen: 53.712 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

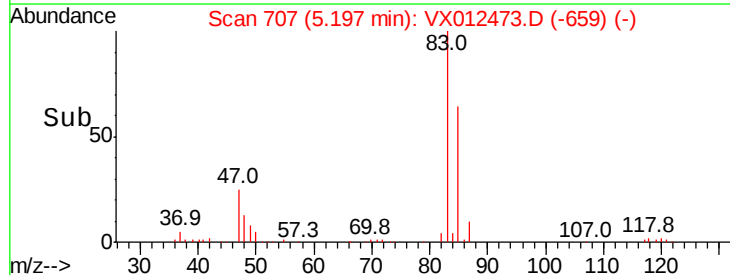
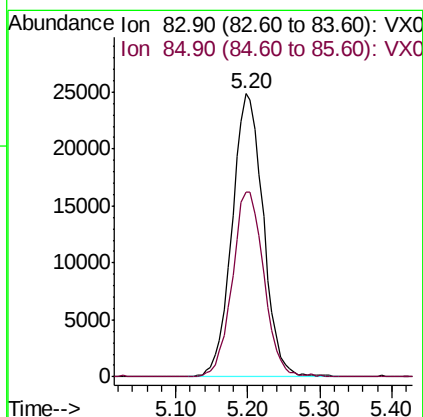
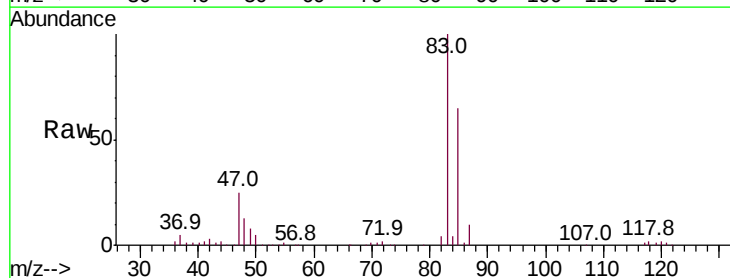
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

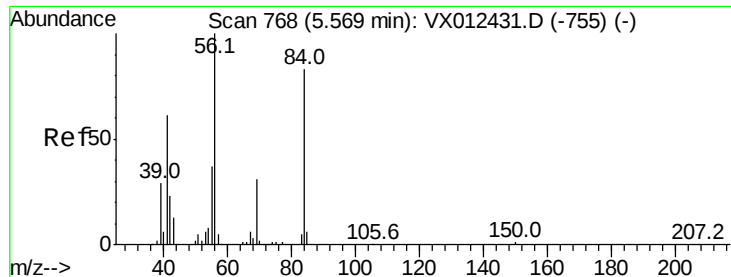
Tot Ion: 42 Resp: 111403
Ion Ratio Lower Upper
42 100
72 43.5 34.0 51.0
71 39.5 31.5 47.3



#30
Chloroform
Concen: 10.496 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 83 Resp: 74647
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.4

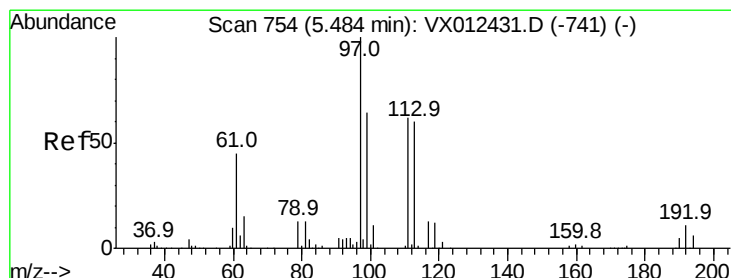
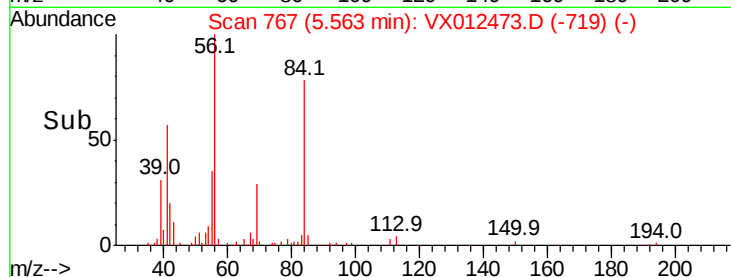
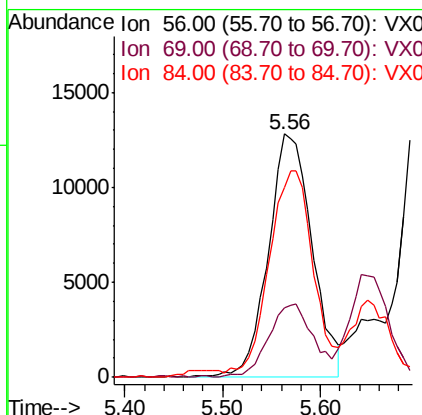
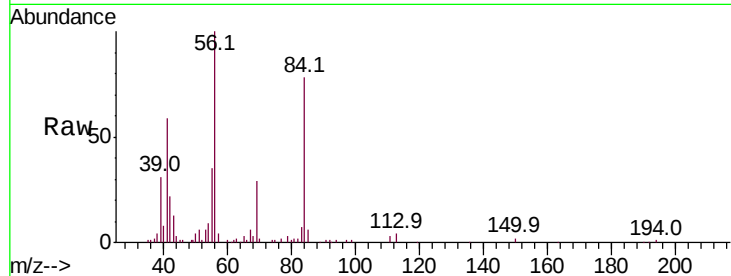




#31
Cyclohexane
Concen: 10.688 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

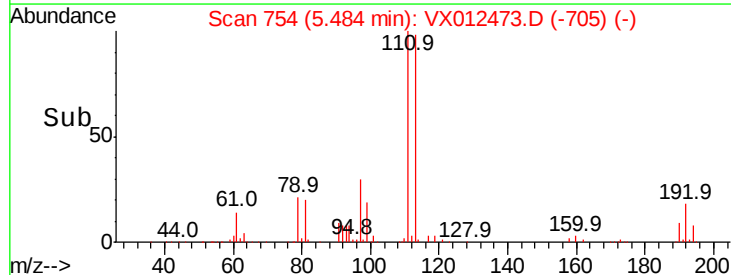
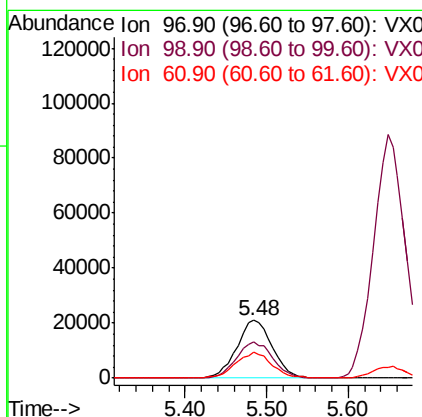
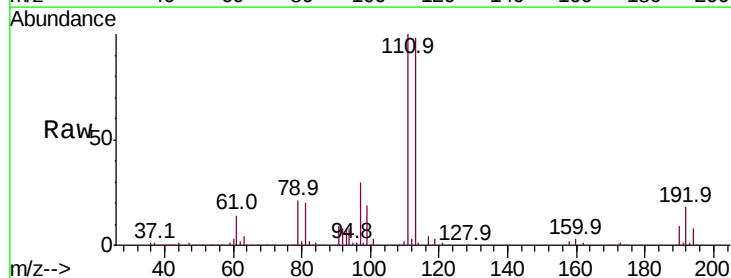
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

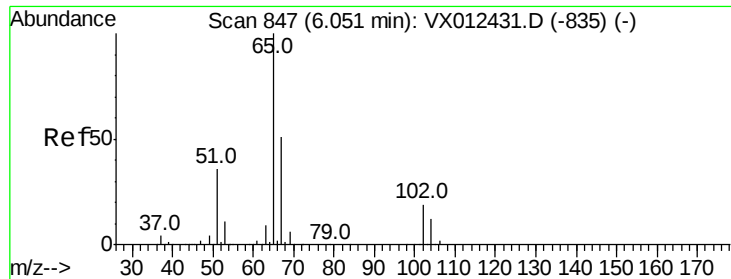
Tot Ion: 56 Resp: 39953
Ion Ratio Lower Upper
56 100
69 28.6 25.0 37.6
84 74.5 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 10.612 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 97 Resp: 63080
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 45.5 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 49.235 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

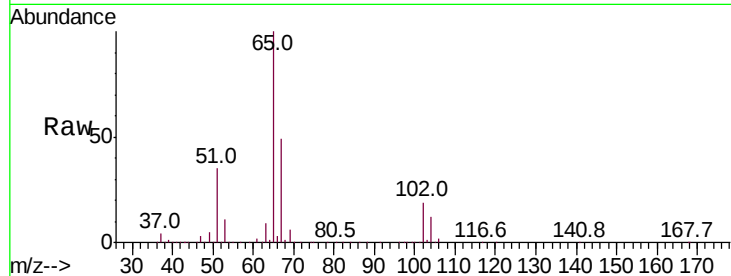
VX0918WBSD01

Tot Ion: 65 Resp: 266480

Ion Ratio Lower Upper

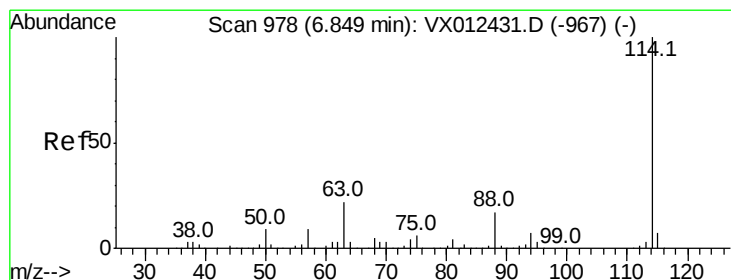
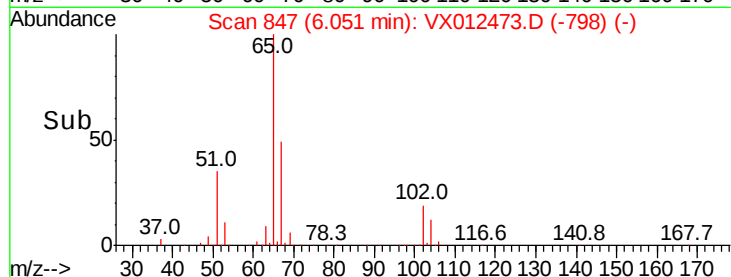
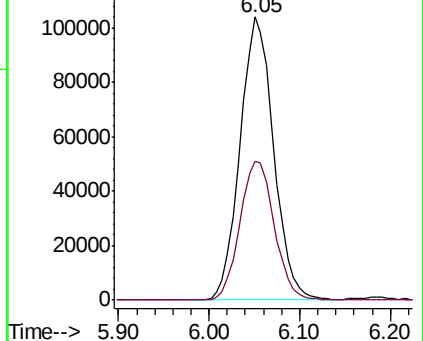
65 100

67 50.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

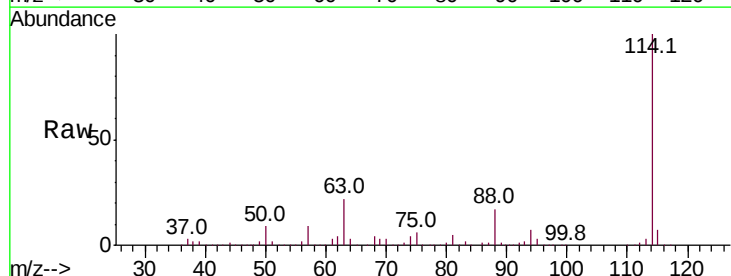
Tgt Ion: 114 Resp: 616301

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

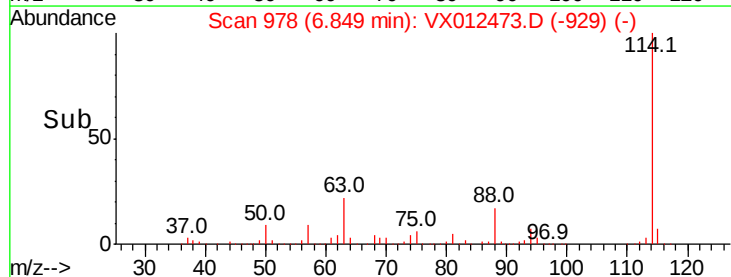
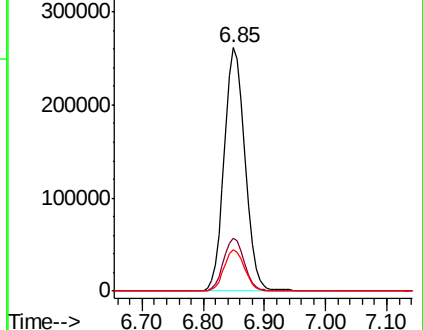
88 16.8 0.0 33.2

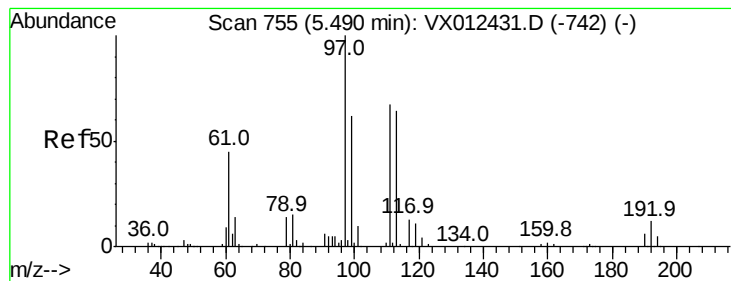


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.082 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

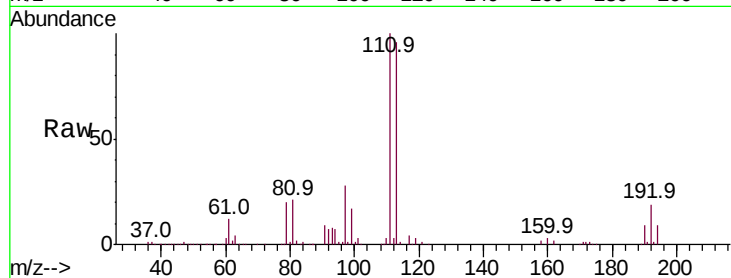
Tot Ion:113 Resp: 198008

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

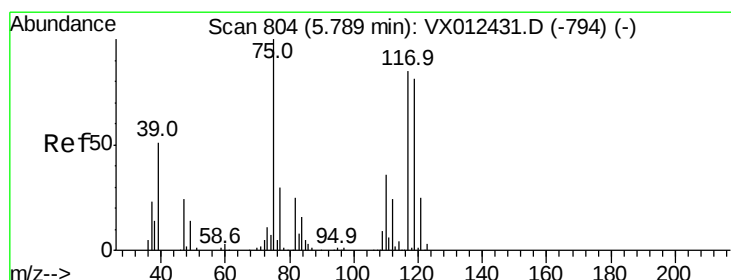
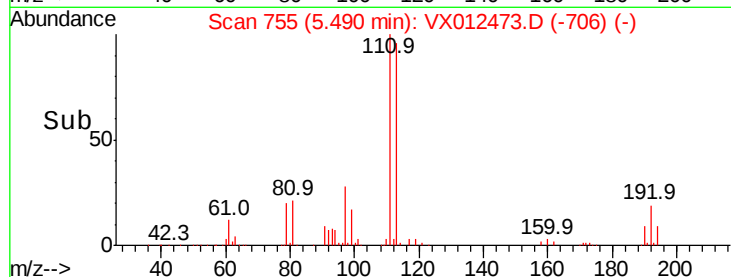
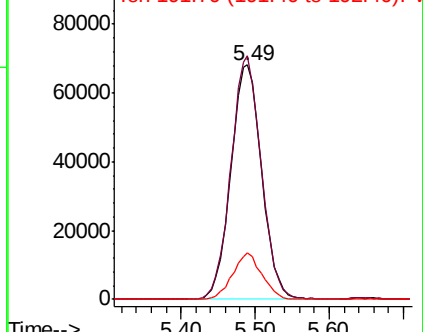
192 18.8 14.4 21.6



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: 10.774 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

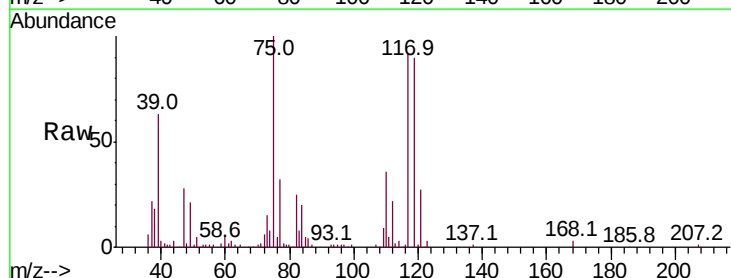
Tgt Ion: 75 Resp: 40354

Ion Ratio Lower Upper

75 100

110 37.0 16.7 50.0

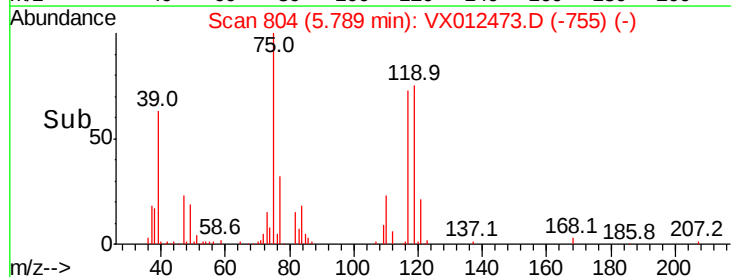
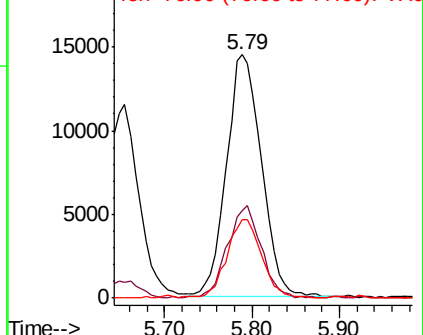
77 32.1 24.2 36.2

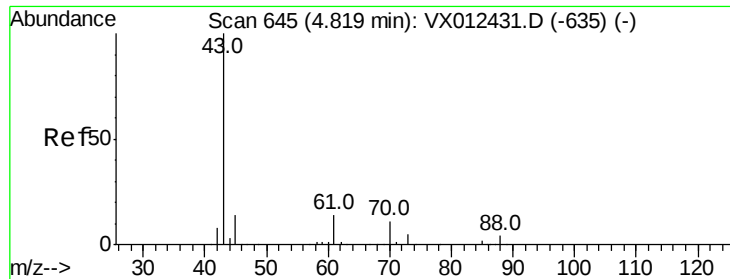


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

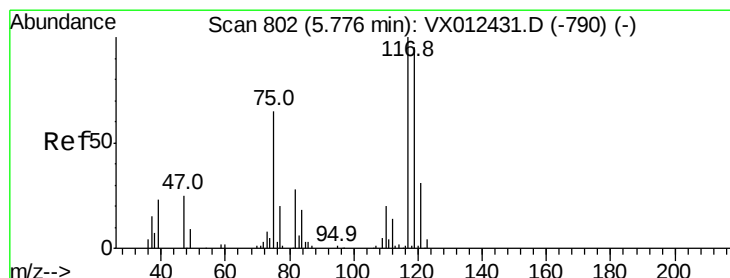
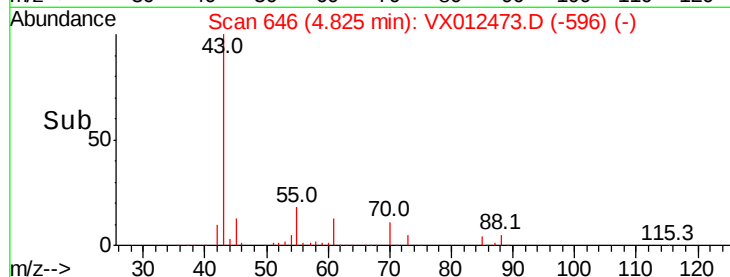
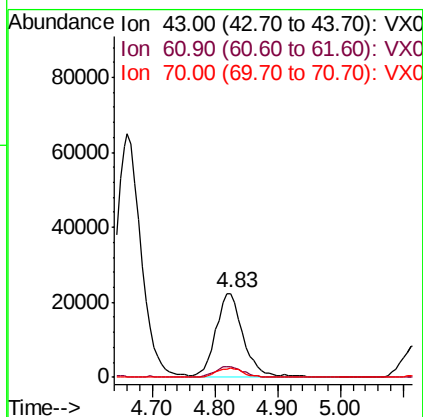
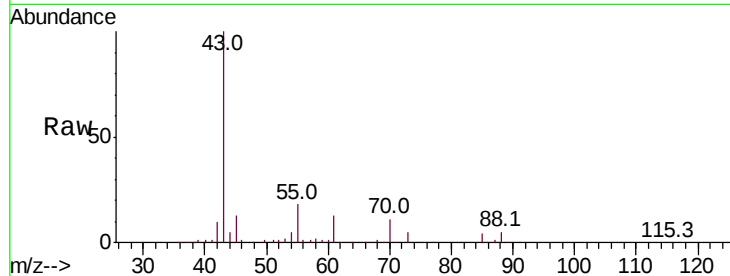




#37
Ethyl Acetate
Concen: 11.638 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

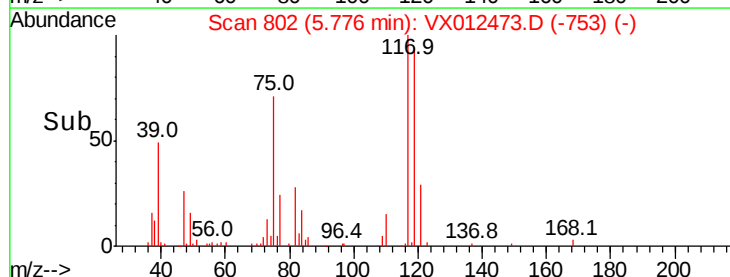
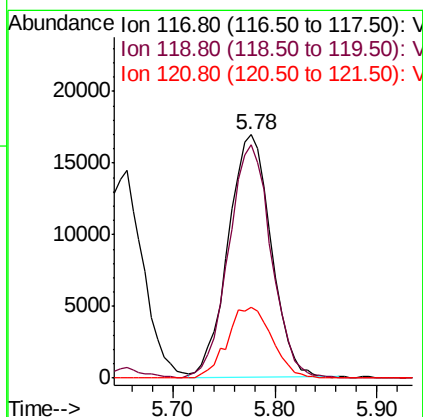
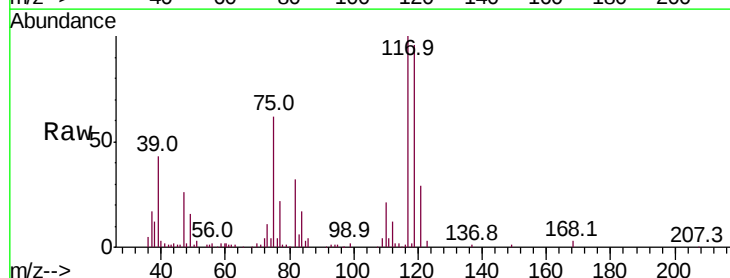
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

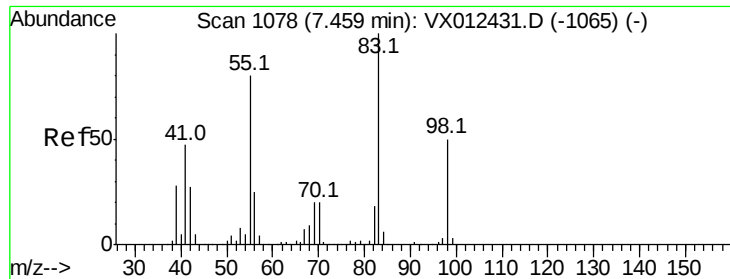
Tot Ion: 43 Resp: 66914
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.4
70 11.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 10.636 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 117 Resp: 49547
Ion Ratio Lower Upper
117 100
119 95.9 75.7 113.5
121 29.4 24.2 36.4

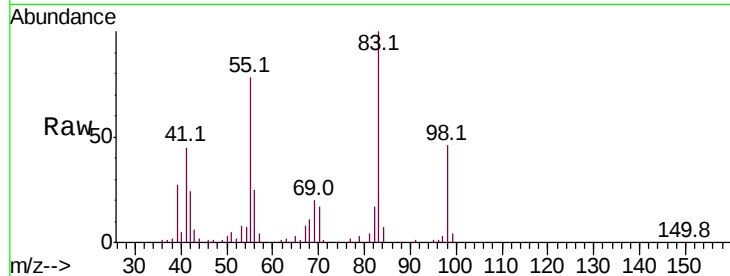




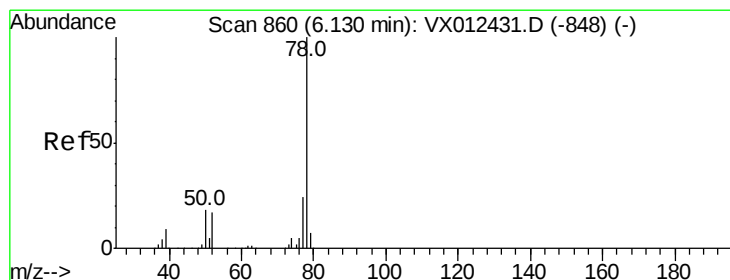
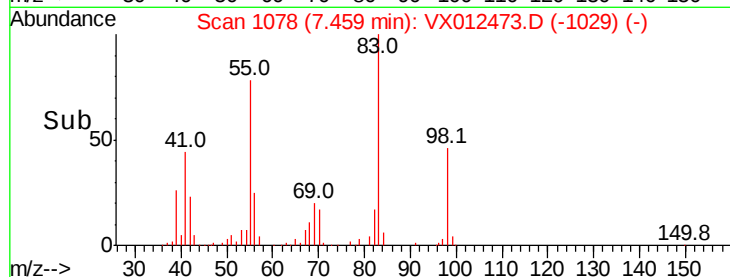
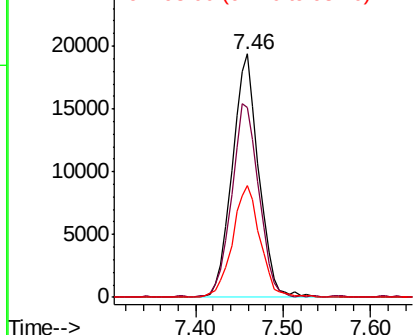
#39
Methvlcvclohexane
Concen: 11.198 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 83 Resp: 40776
Ion Ratio Lower Upper
83 100
55 77.4 64.4 96.6
98 46.0 40.1 60.1

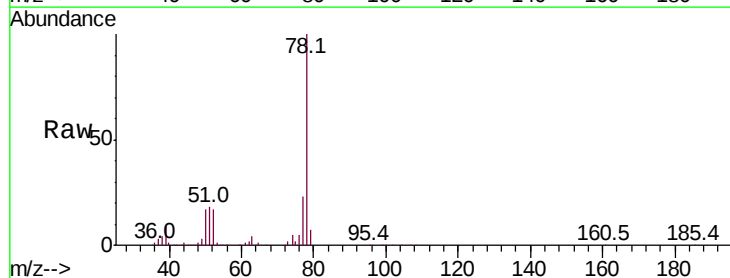


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

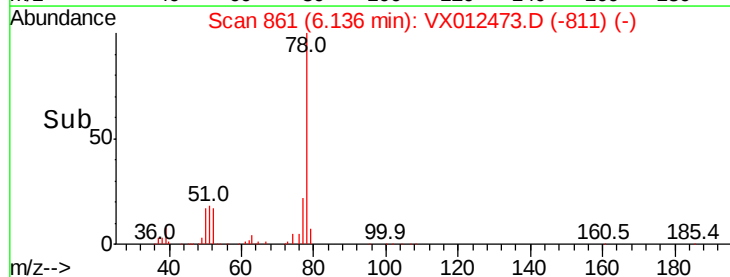
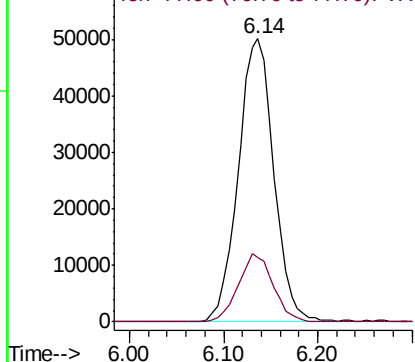


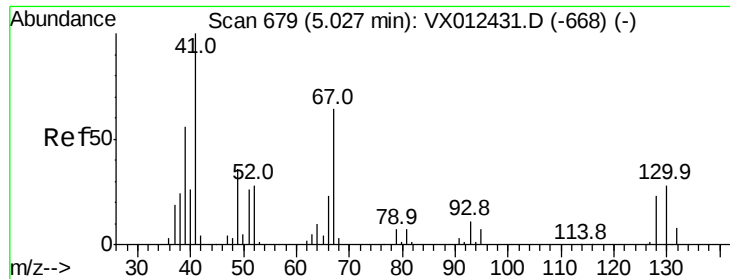
#40
Benzene
Concen: 11.079 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 78 Resp: 131959
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8



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

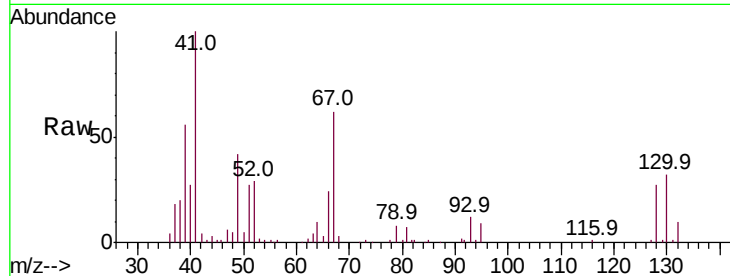




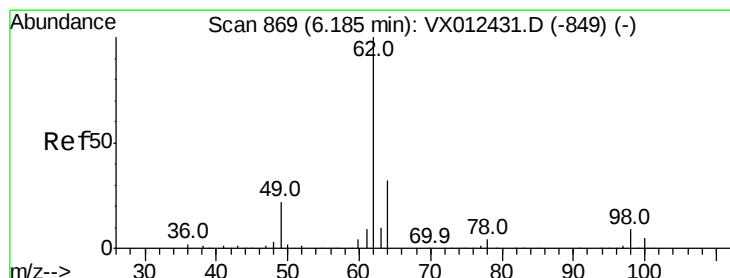
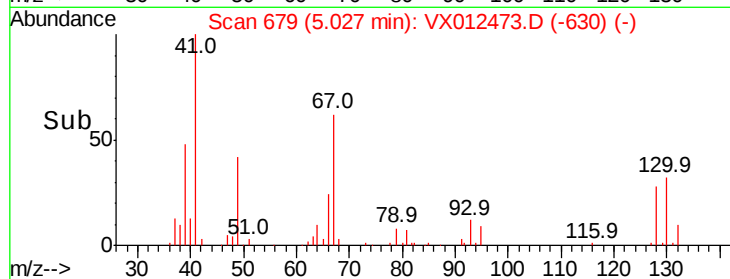
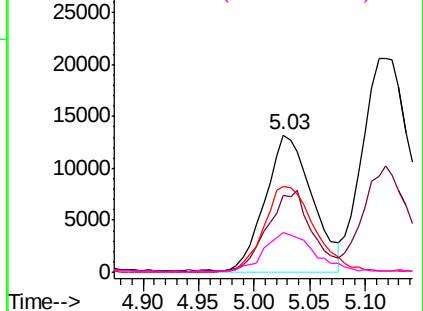
#41
Methacrylonitrile
Concen: 10.448 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:	41	Resp:	38681
Ion	Ratio	Lower	Upper
41	100		
39	55.5	46.0	69.0
67	67.6	52.2	78.2
52	31.8	22.7	34.1

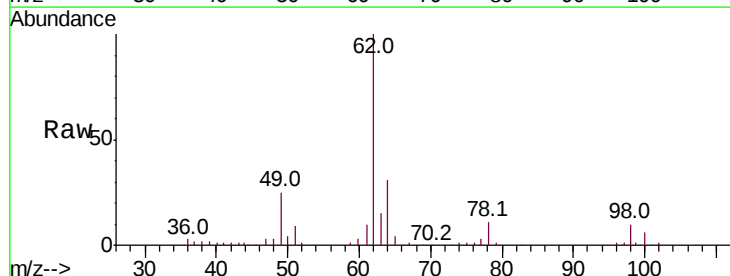


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

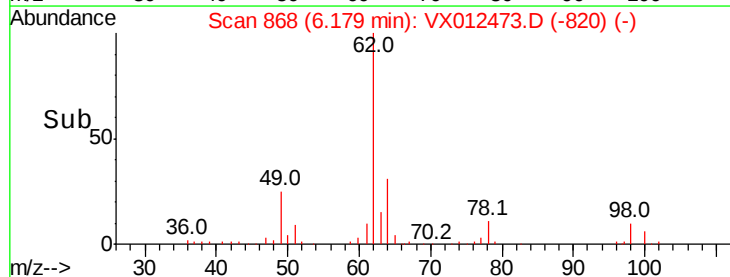
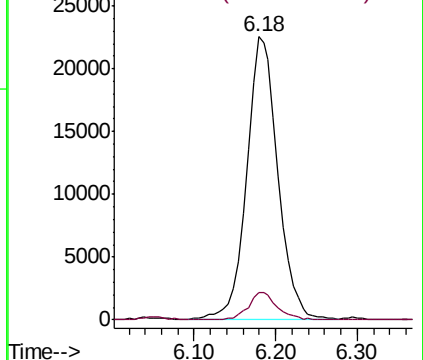


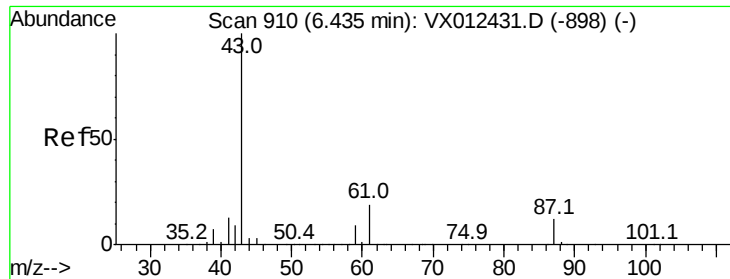
#42
1,2-Dichloroethane
Concen: 10.875 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion:	62	Resp:	60075
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



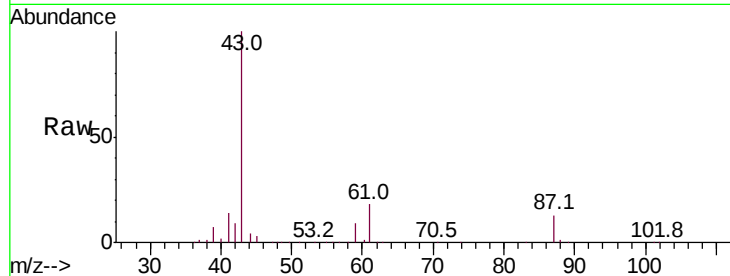


#43

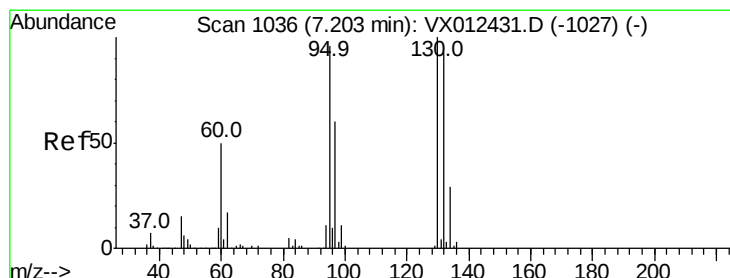
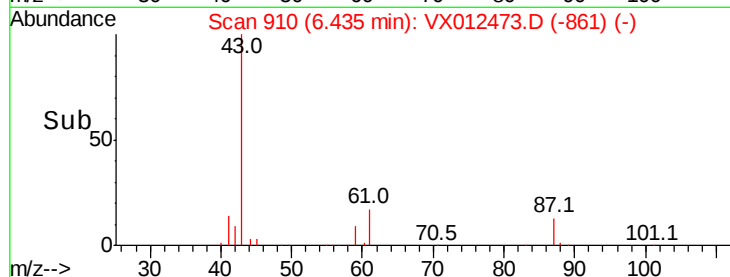
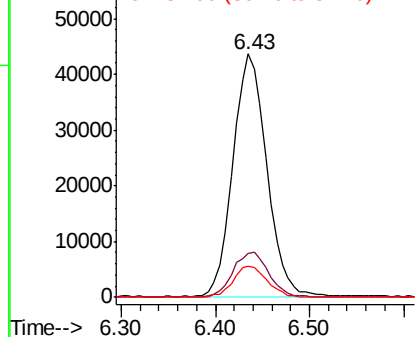
Isopropyl Acetate
 Concen: 10.552 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion: 43 Resp: 108891
 Ion Ratio Lower Upper
 43 100
 61 19.7 15.4 23.0
 87 13.0 9.8 14.8



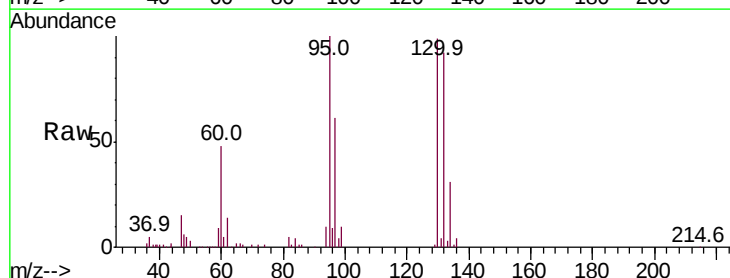
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



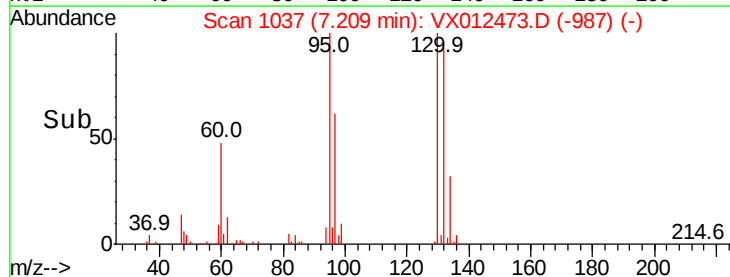
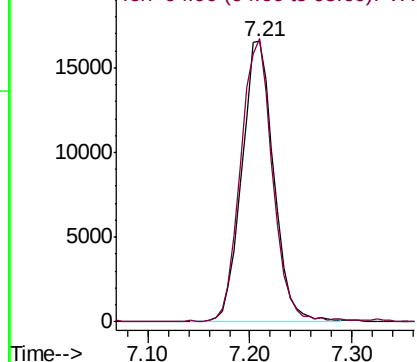
#44

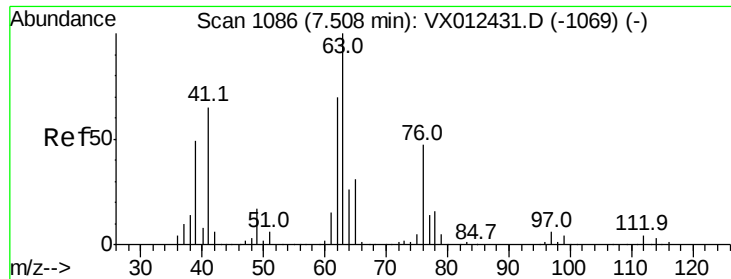
Trichloroethene
 Concen: 11.517 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion:130 Resp: 36084
 Ion Ratio Lower Upper
 130 100
 95 100.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 10.826 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

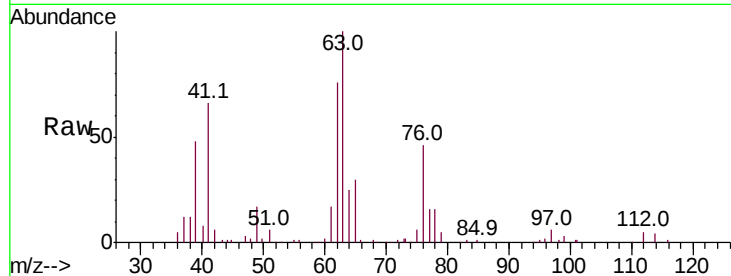
VX0918WBSD01

Tot Ion: 63 Resp: 39614

Ion Ratio Lower Upper

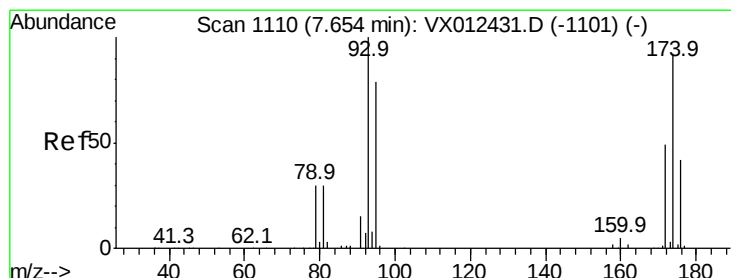
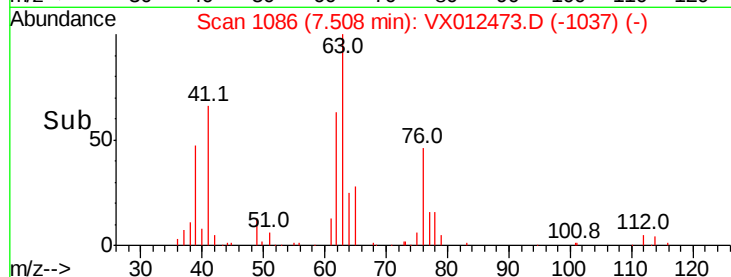
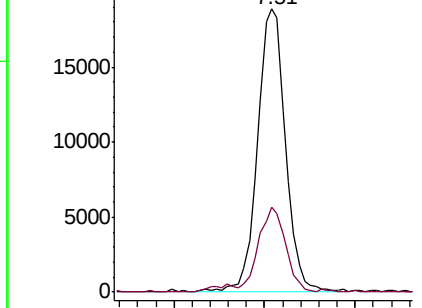
63 100

65 29.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 11.034 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

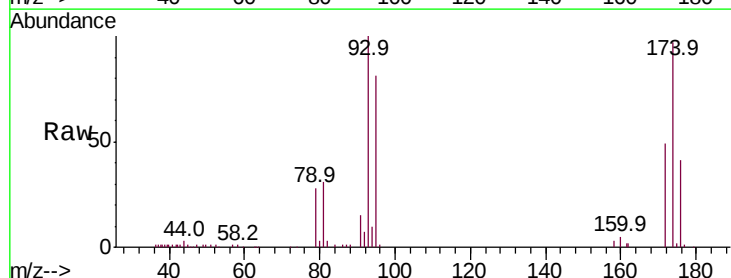
Tgt Ion: 93 Resp: 26129

Ion Ratio Lower Upper

93 100

95 84.2 66.6 100.0

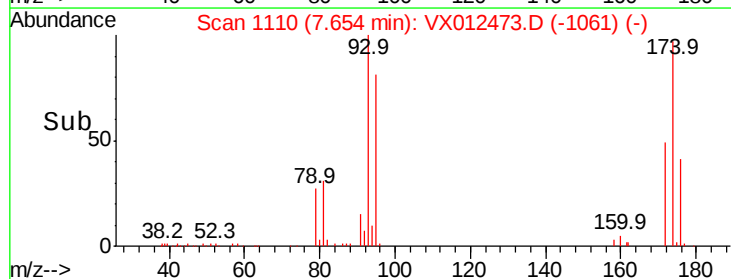
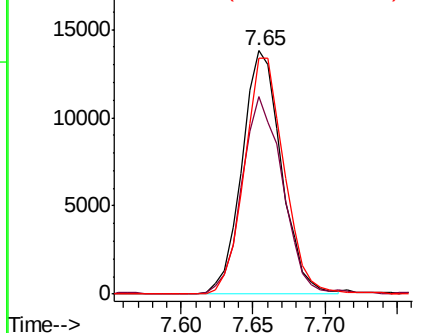
174 98.3 77.4 116.0

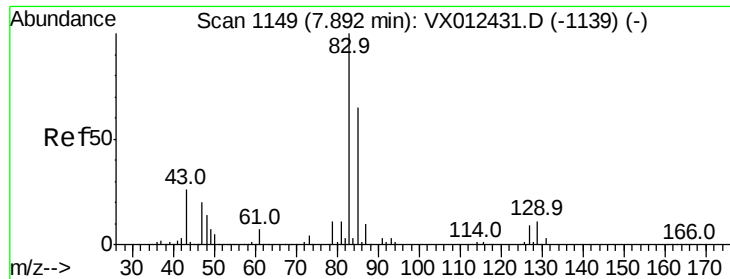


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 10.532 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

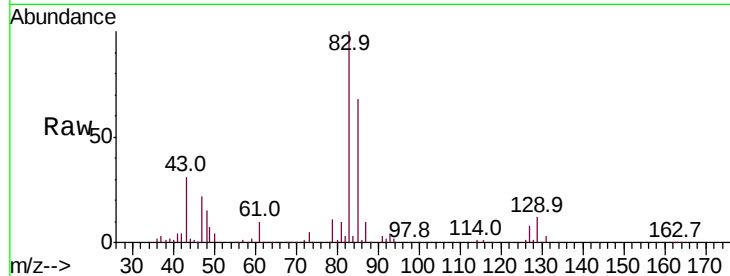
Tot Ion: 83 Resp: 55532

Ion Ratio Lower Upper

83 100

85 67.5 51.8 77.6

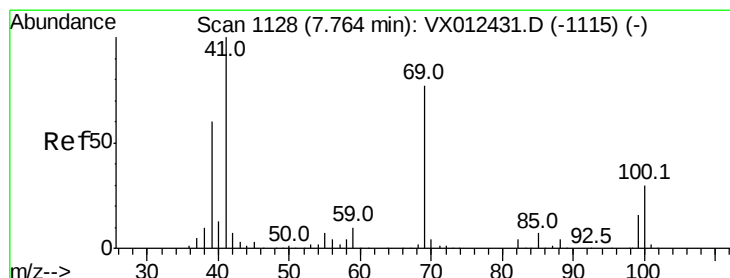
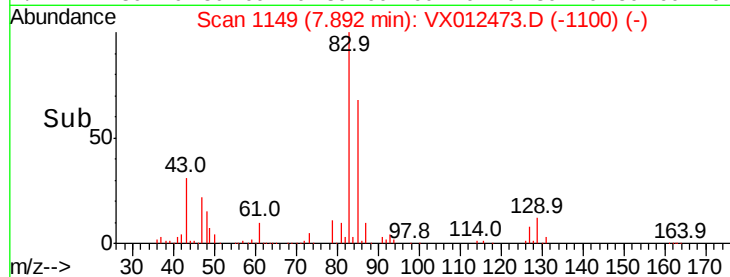
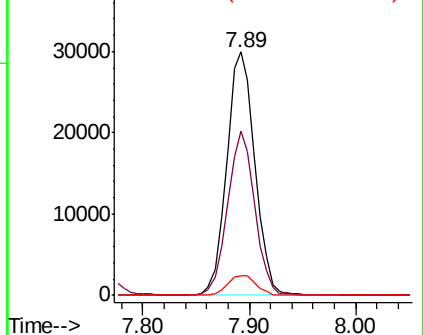
127 8.3 7.3 10.9



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: 10.358 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

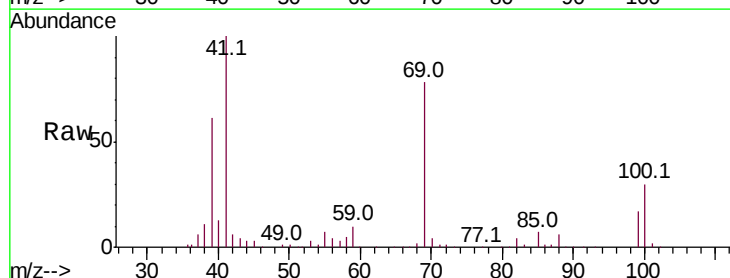
Tgt Ion: 41 Resp: 50387

Ion Ratio Lower Upper

41 100

69 77.3 59.9 89.9

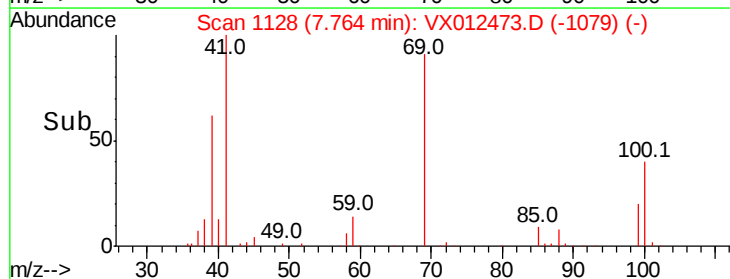
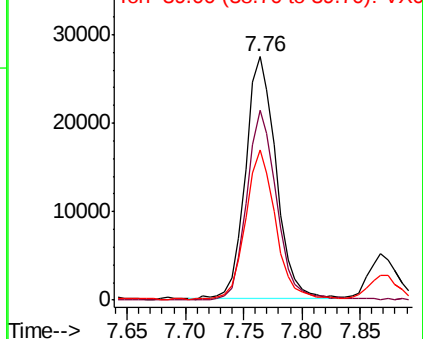
39 59.8 47.8 71.6

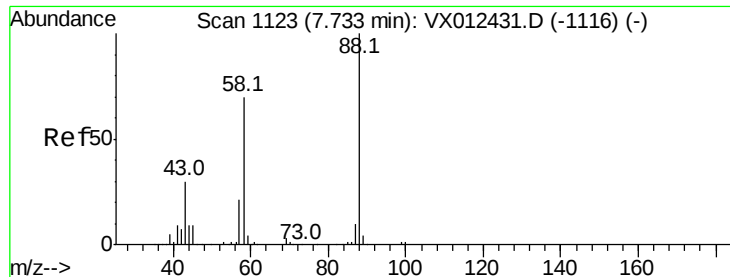


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 209.054 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

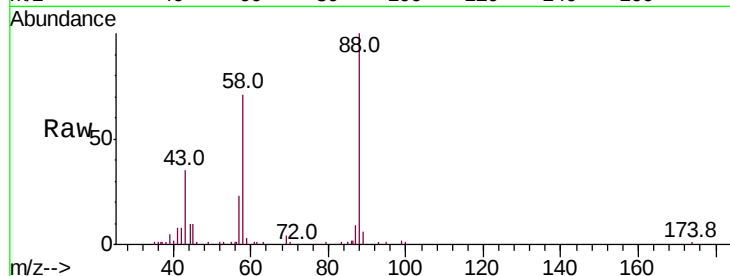
Tot Ion: 88 Resp: 24750

Ion Ratio Lower Upper

88 100

43 35.7 29.4 44.0

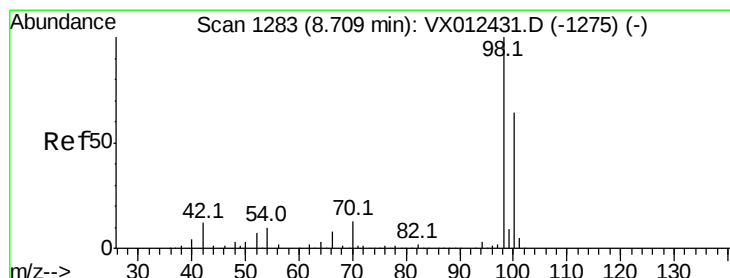
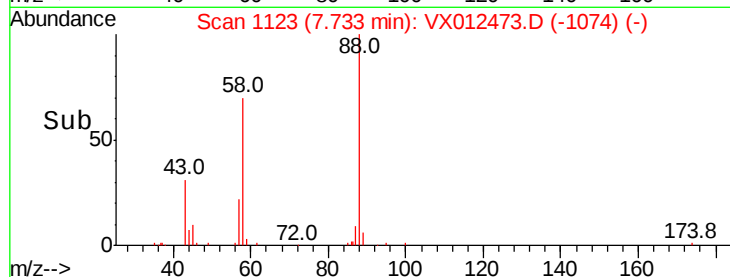
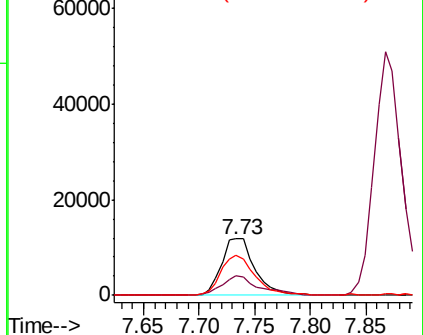
58 71.8 57.5 86.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.711 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012473.D

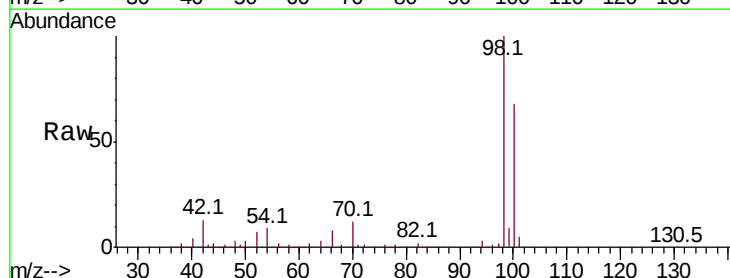
Acq: 18 Sep 2019 15:01

Tgt Ion: 98 Resp: 727794

Ion Ratio Lower Upper

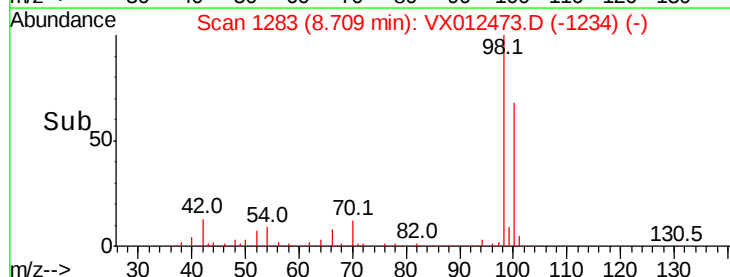
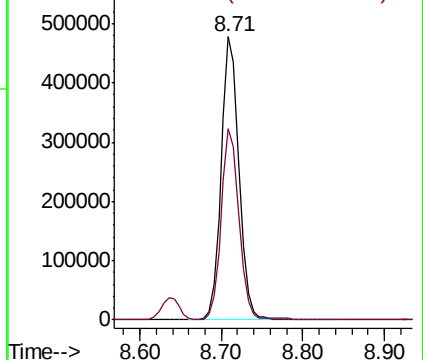
98 100

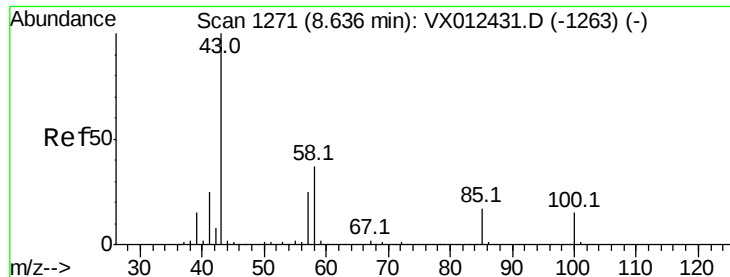
100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 53.845 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleID :

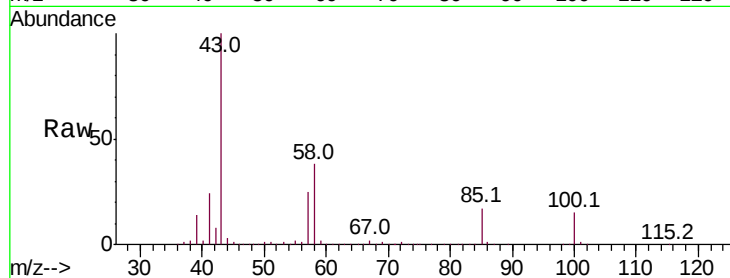
VX0918WBSD01

Tot Ion: 43 Resp: 364386

Ion Ratio Lower Upper

43 100

58 38.1 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

150000

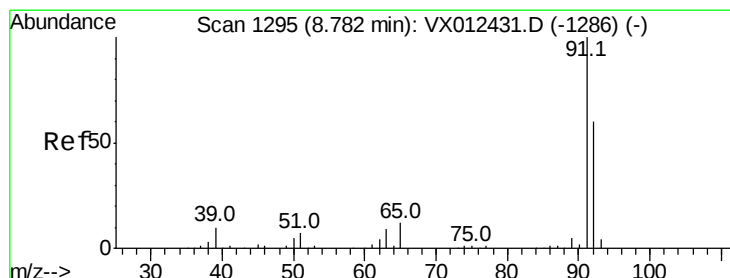
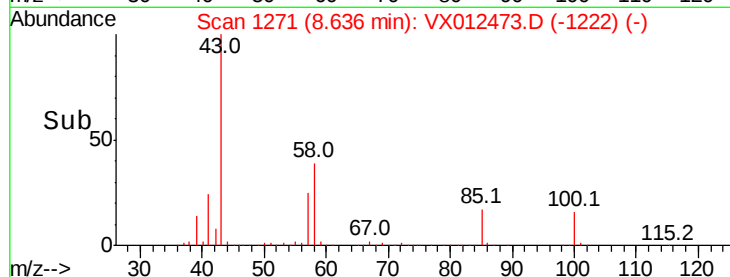
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 11.258 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012473.D

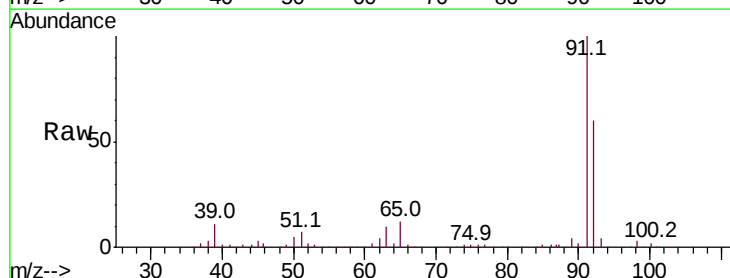
Acq: 18 Sep 2019 15:01

Tgt Ion: 92 Resp: 86408

Ion Ratio Lower Upper

92 100

91 165.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

100000

80000

60000

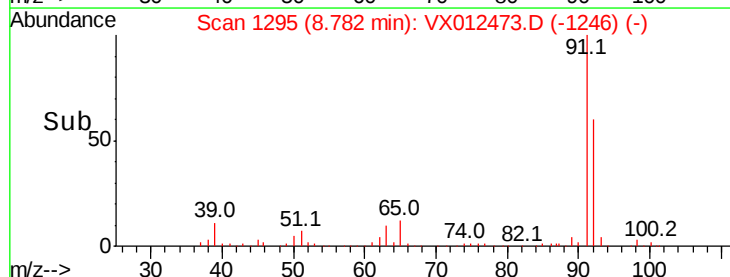
40000

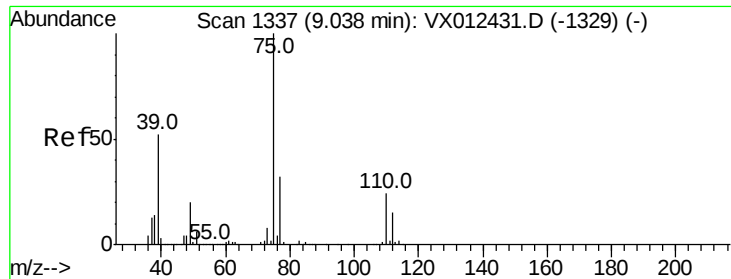
20000

0

8.70 8.80 8.90

Time-->

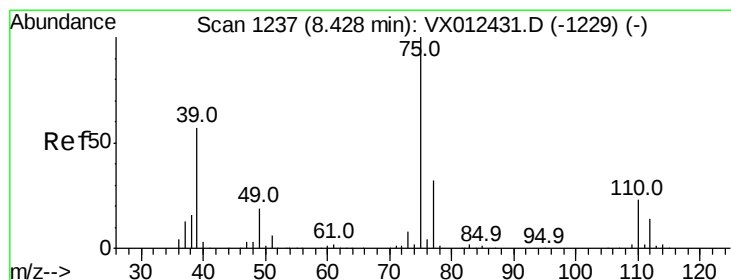
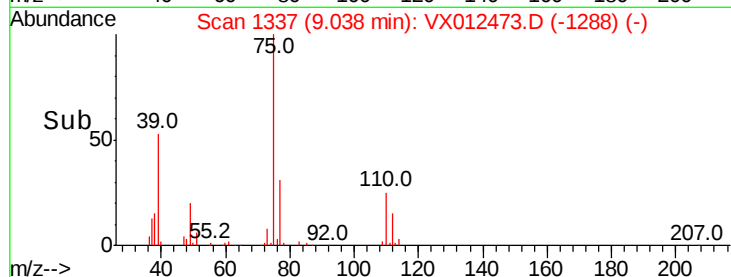
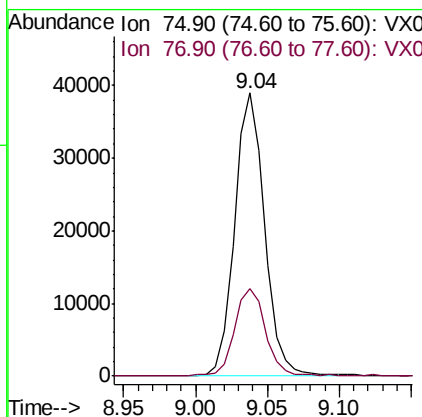
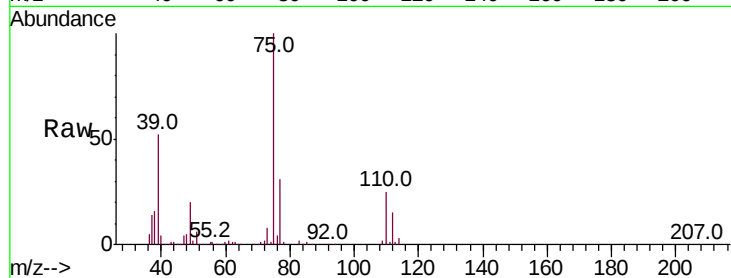




#53
t-1,3-Dichloropropene
Concen: 10.301 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

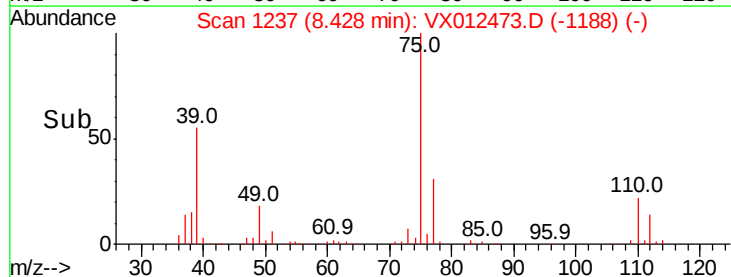
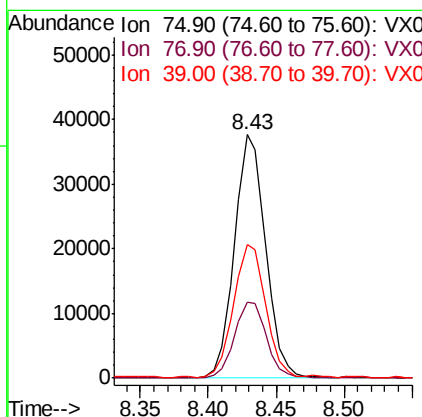
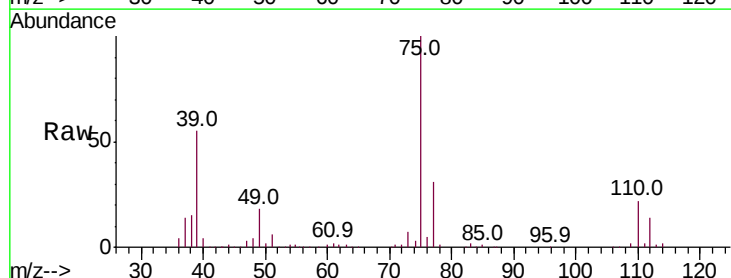
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

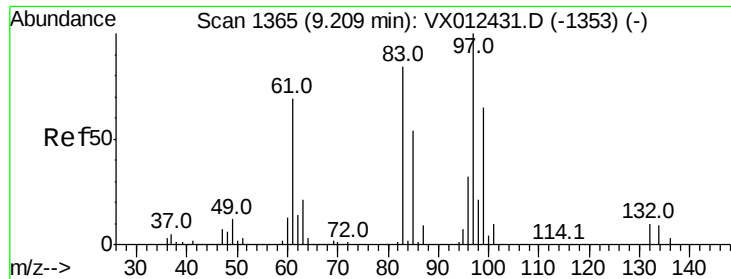
Tot Ion: 75 Resp: 56456
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 10.585 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 75 Resp: 60064
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8
39 54.6 45.5 68.3

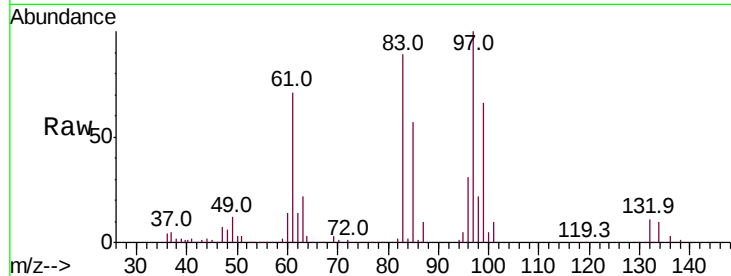




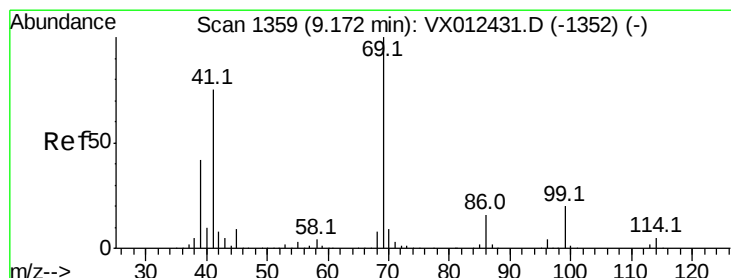
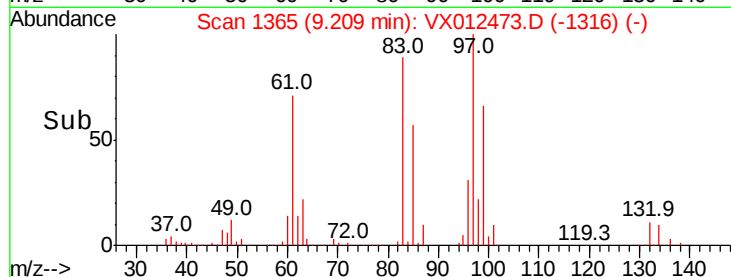
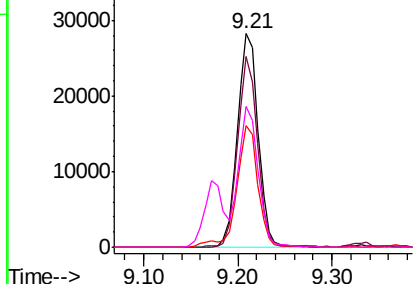
#55
 1,1,2-Trichloroethane
 Concen: 10.958 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion: 97 Resp: 43330
 Ion Ratio Lower Upper
 97 100
 83 89.2 67.4 101.2
 85 57.1 43.5 65.3
 99 65.8 51.8 77.8

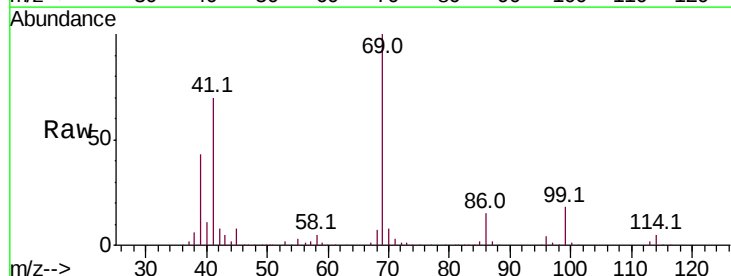


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

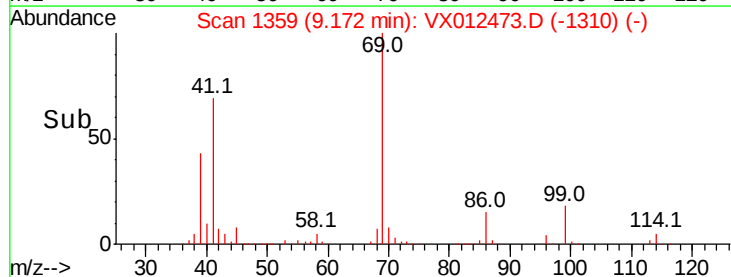
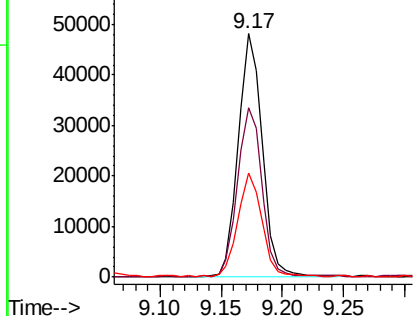


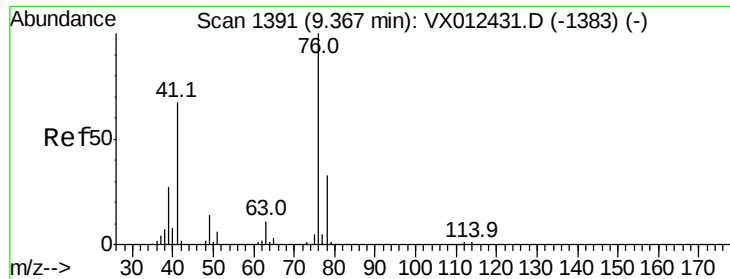
#56
 Ethyl methacrylate
 Concen: 10.639 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion: 69 Resp: 65774
 Ion Ratio Lower Upper
 69 100
 41 69.8 58.4 87.6
 39 42.1 33.4 50.0



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: 11.284 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

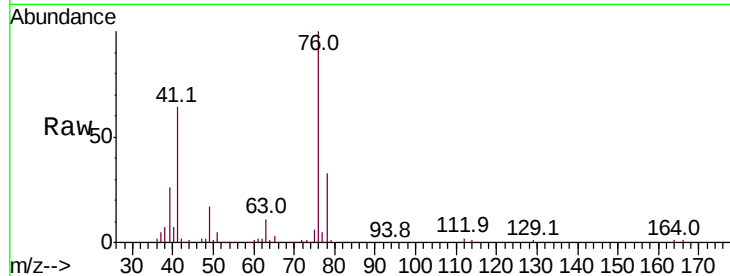
VX0918WBSD01

Tot Ion: 76 Resp: 71191

Ion Ratio Lower Upper

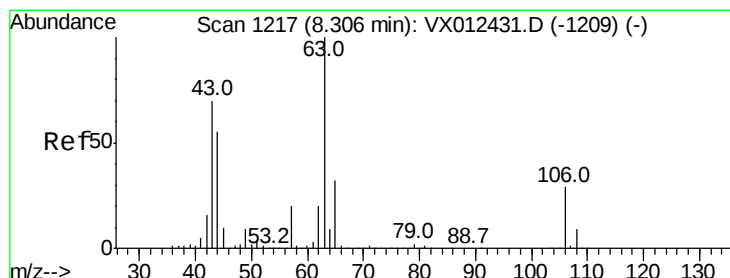
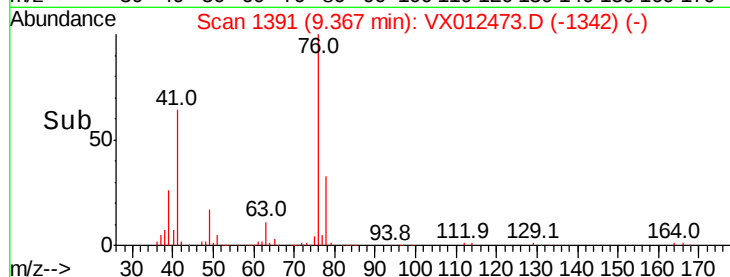
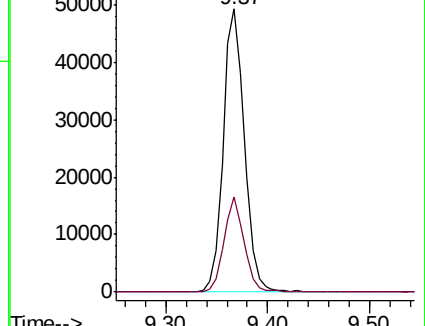
76 100

78 31.7 26.2 39.2



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: 55.627 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012473.D

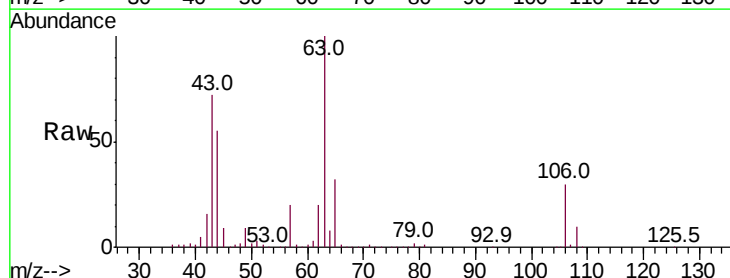
Acq: 18 Sep 2019 15:01

Tgt Ion: 63 Resp: 178015

Ion Ratio Lower Upper

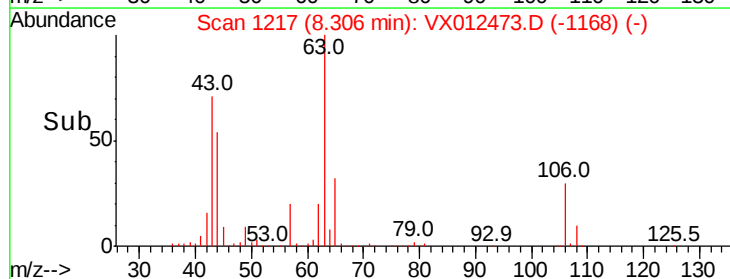
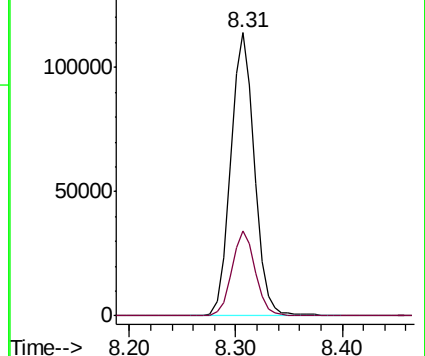
63 100

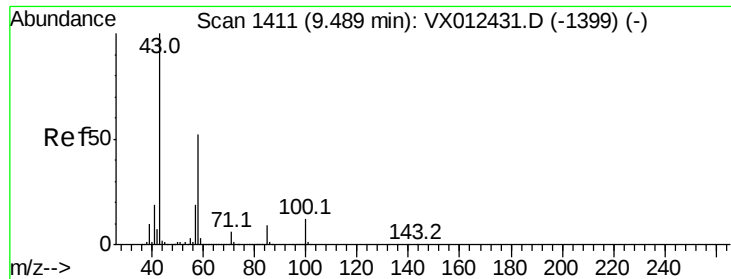
106 29.8 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

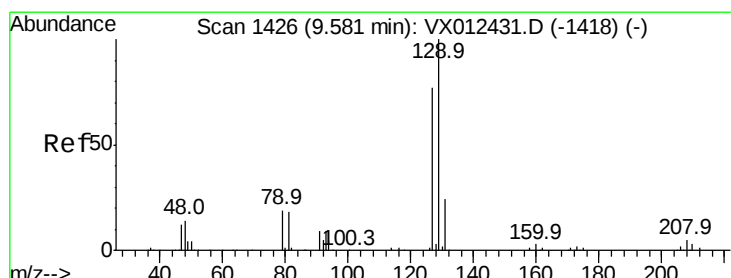
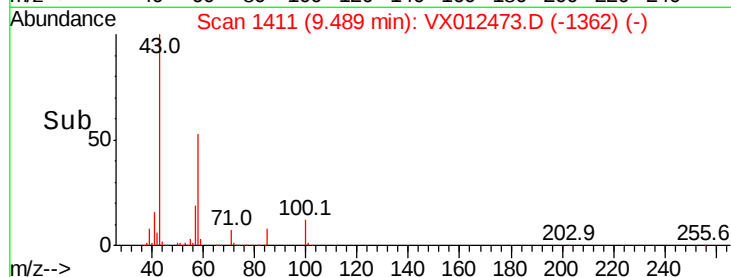
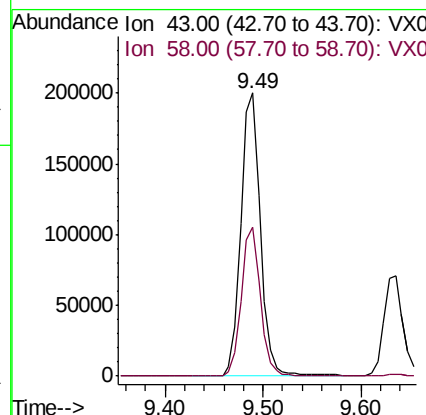
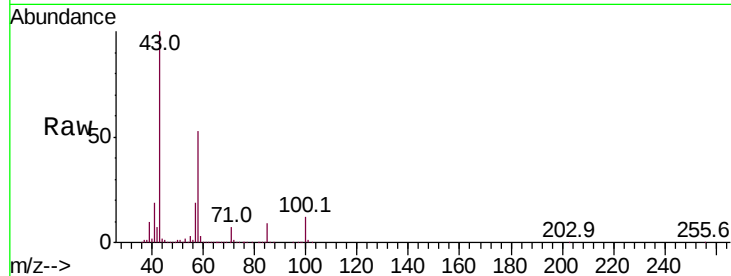




#59
2-Hexanone
Concen: 52.342 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

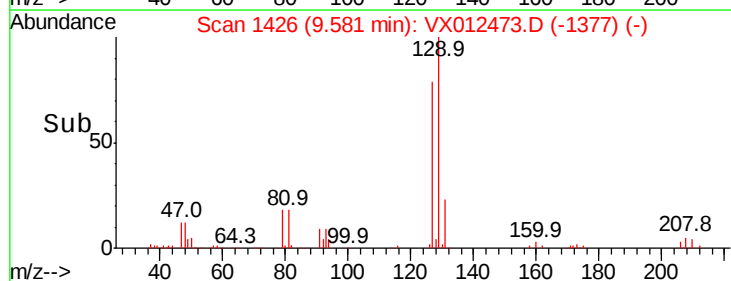
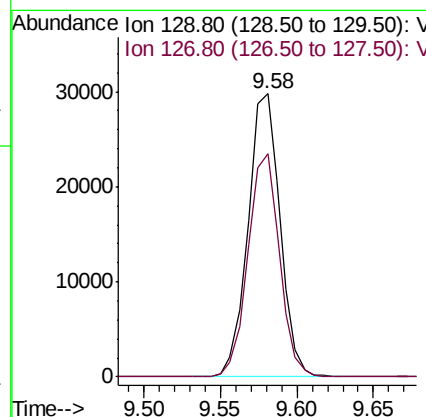
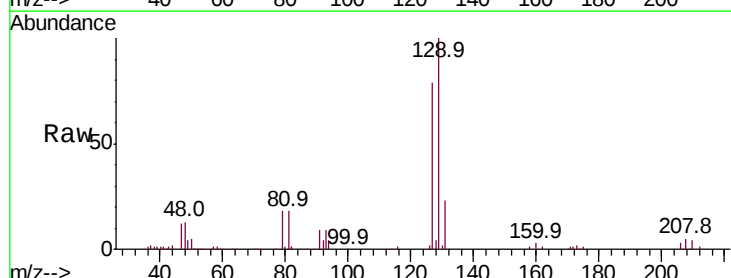
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

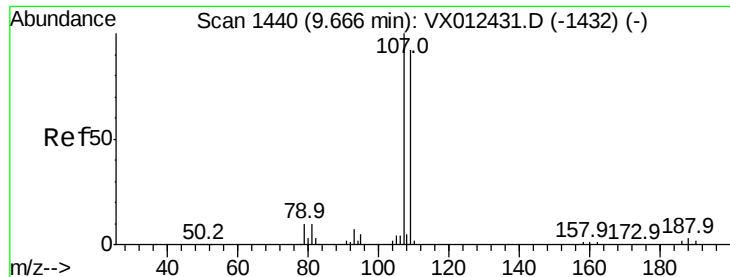
Tot Ion: 43 Resp: 276343
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.1



#60
Dibromochloromethane
Concen: 10.781 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 129 Resp: 43422
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 11.334 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

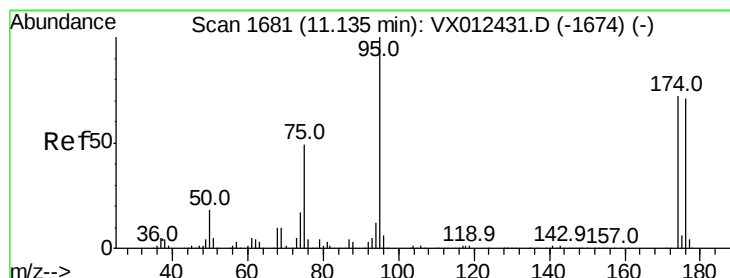
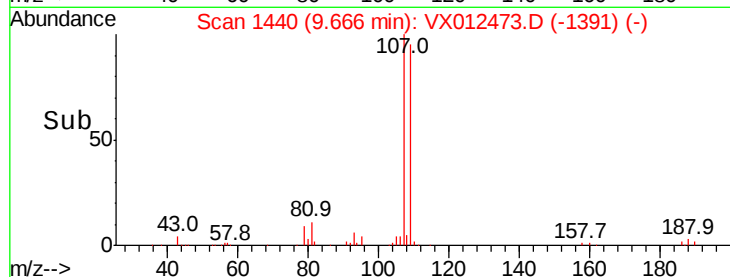
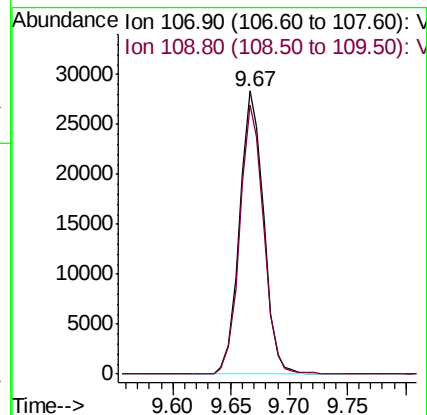
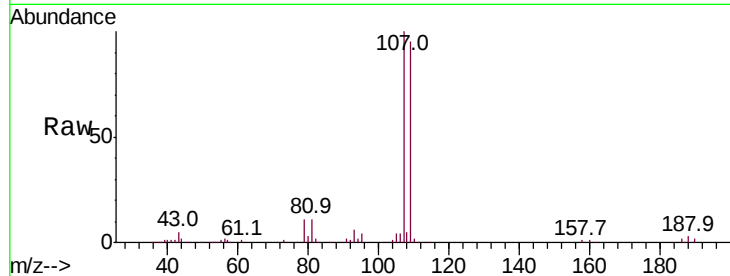
VX0918WBSD01

Tot Ion: 107 Resp: 40931

Ion Ratio Lower Upper

107 100

109 94.6 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 49.612 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

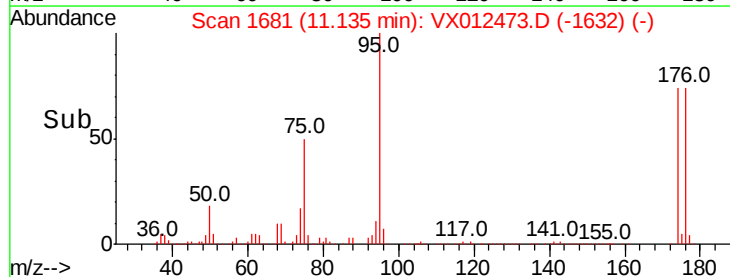
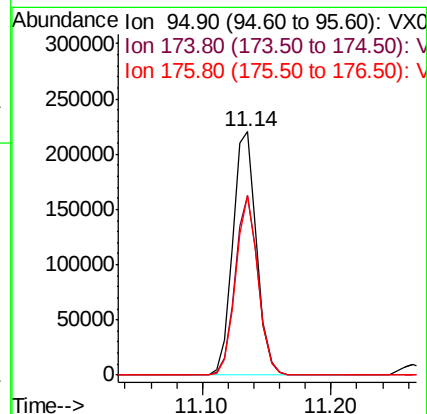
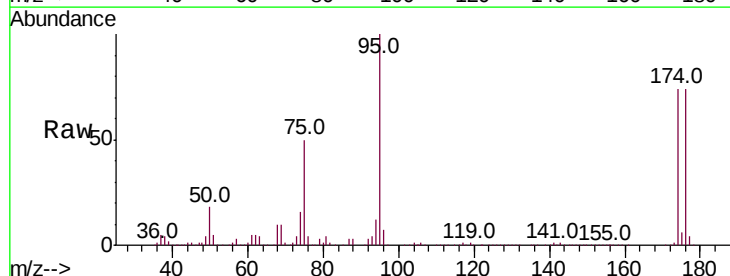
Tgt Ion: 95 Resp: 284418

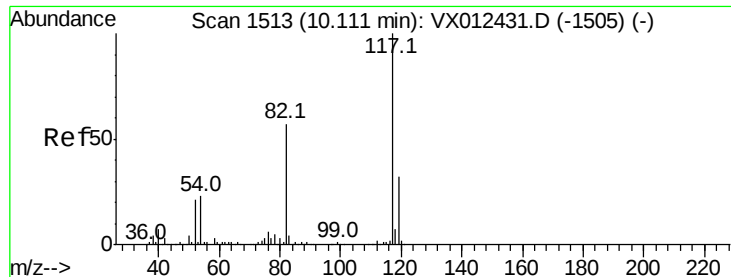
Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.0

176 69.6 0.0 135.4

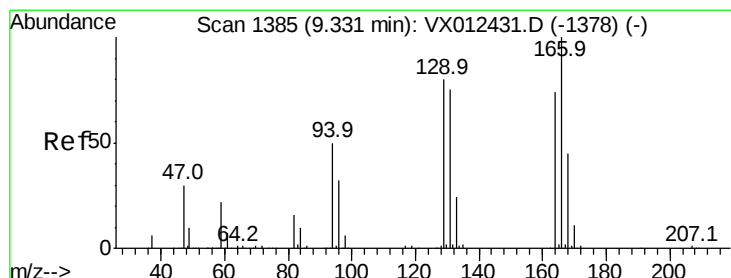
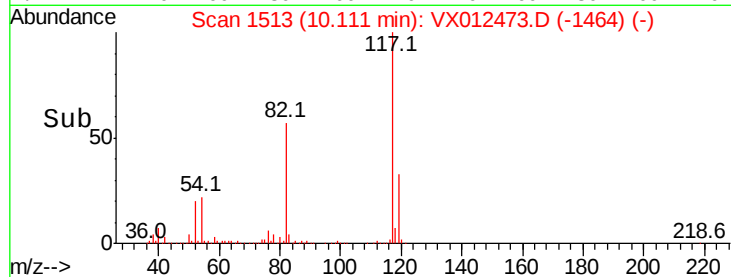
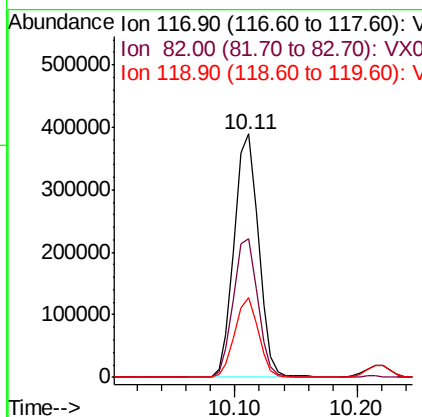
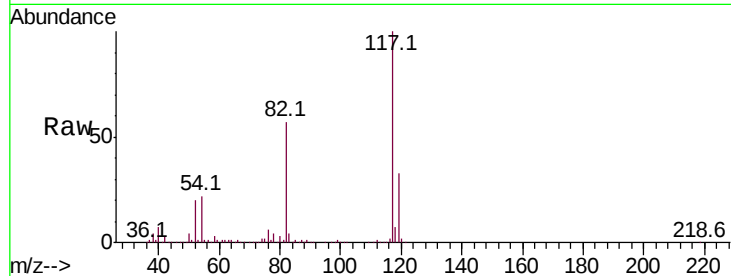




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

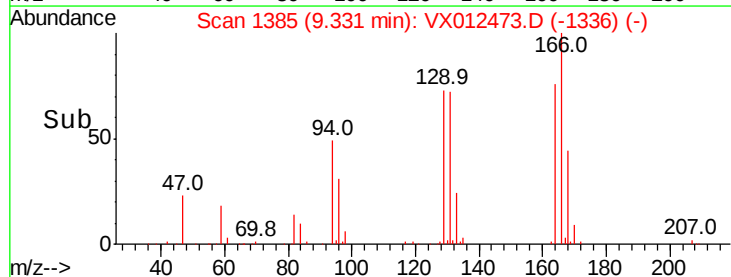
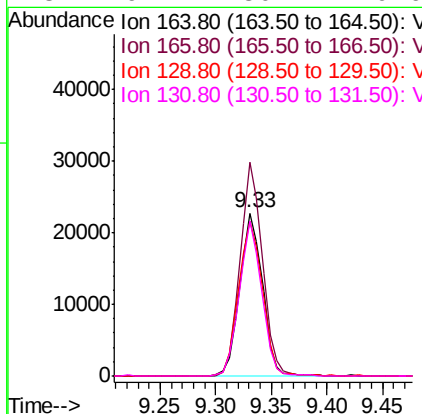
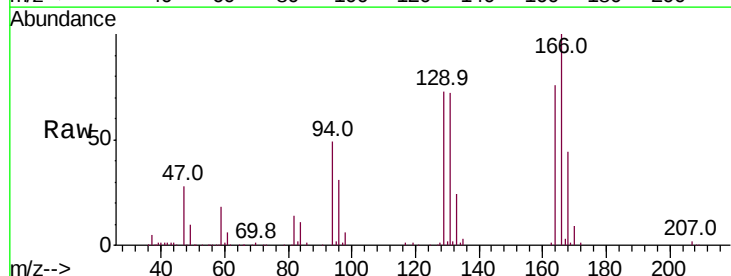
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

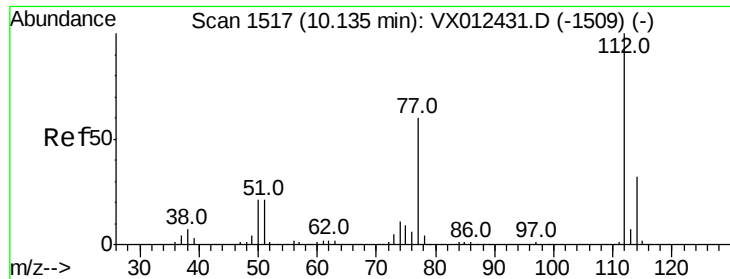
Tot Ion:117 Resp: 537702
Ion Ratio Lower Upper
117 100
82 56.9 45.9 68.9
119 32.6 25.3 37.9



#64
Tetrachloroethene
Concen: 13.109 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion:164 Resp: 32301
Ion Ratio Lower Upper
164 100
166 131.1 107.8 161.6
129 95.0 86.2 129.2
131 94.7 80.4 120.6

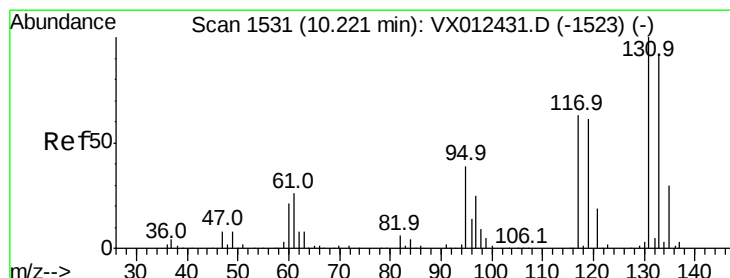
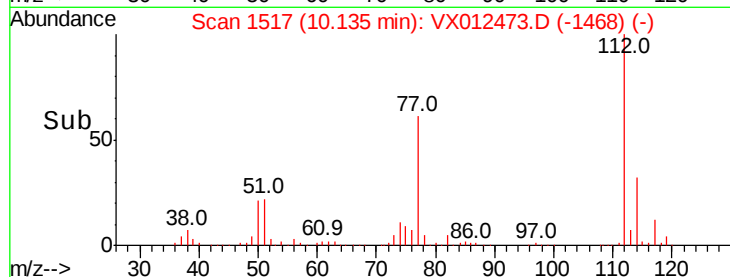
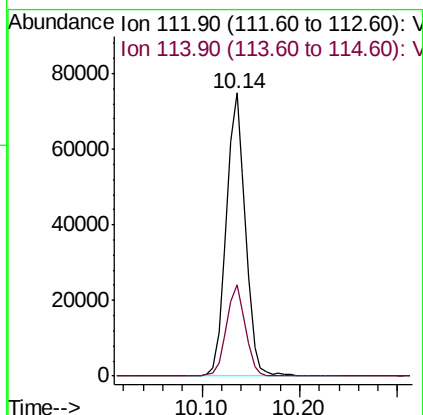
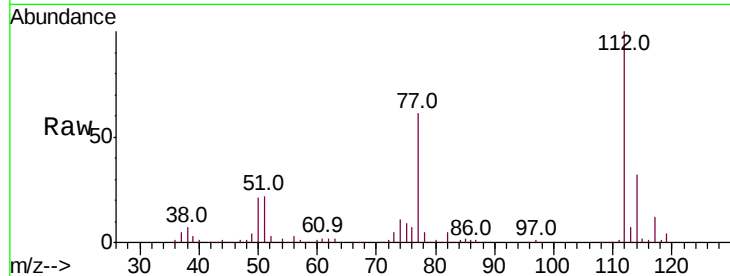




#65
Chlorobenzene
Concen: 11.452 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

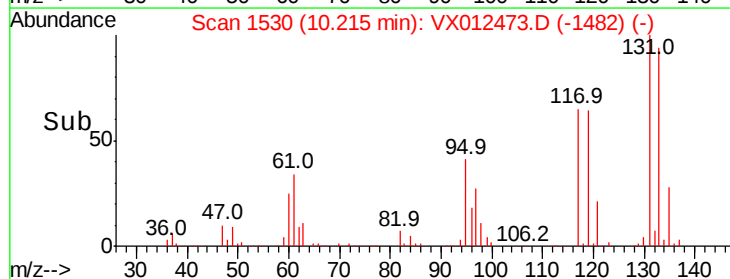
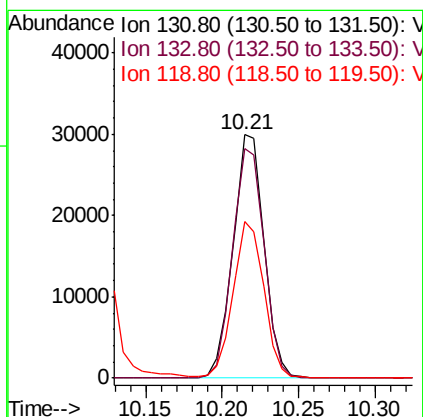
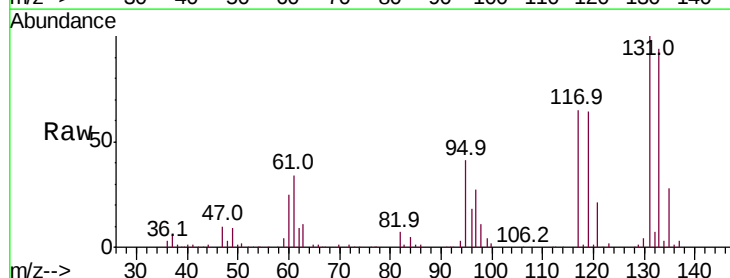
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

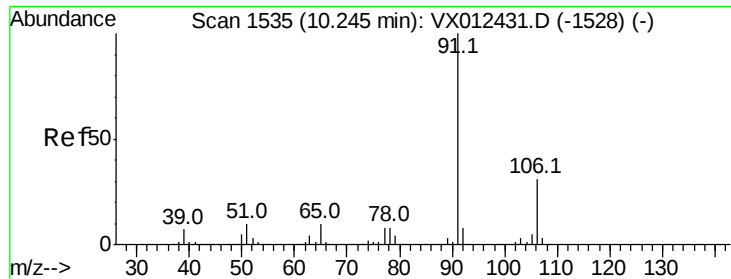
Tot Ion:112 Resp: 101633
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 11.420 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion:131 Resp: 42064
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 64.2 31.3 93.8

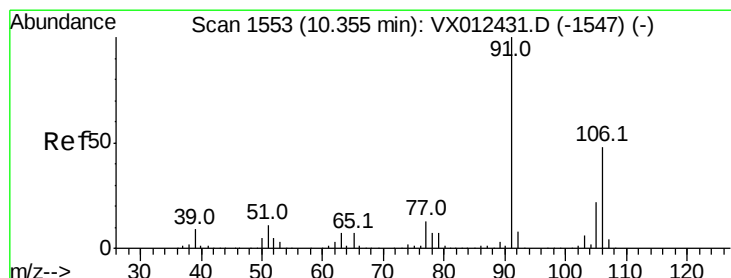
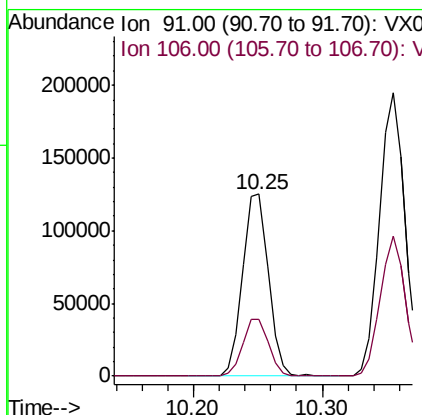
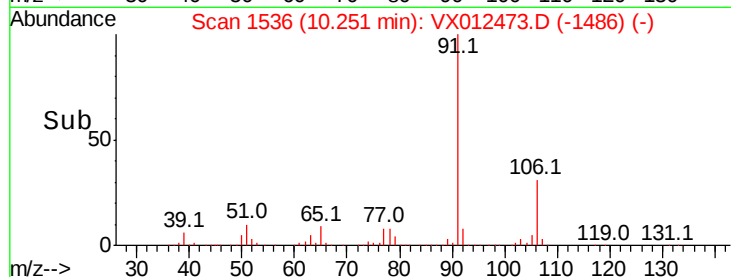
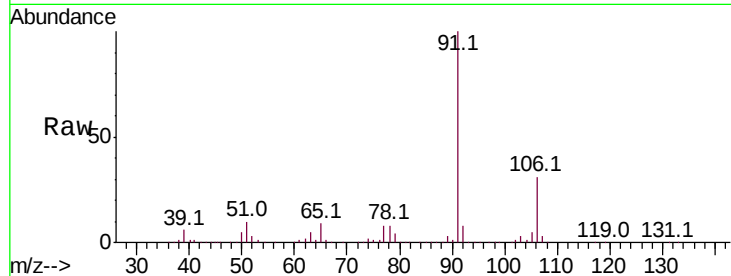




#67
Ethyl Benzene
Concen: 11.384 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

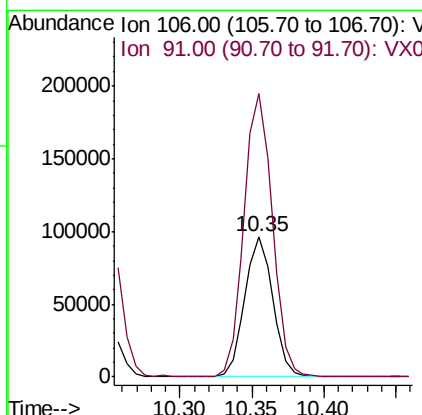
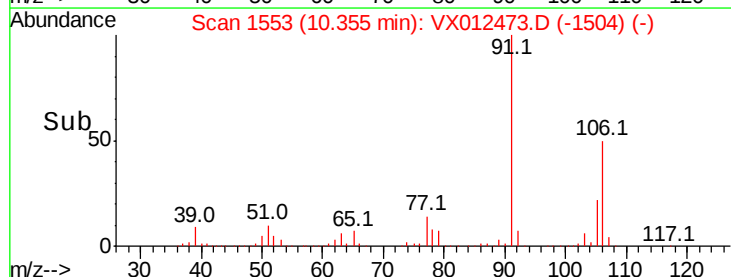
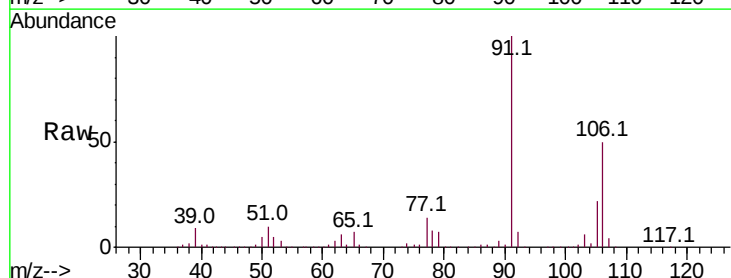
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

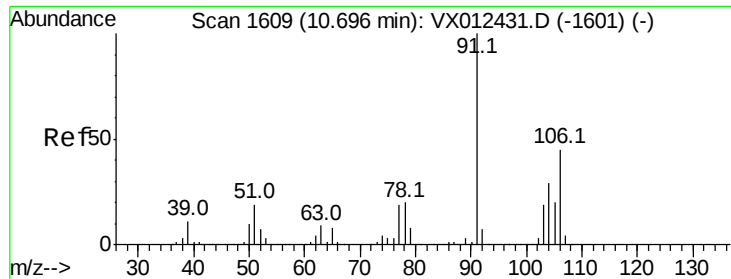
Tot Ion: 91 Resp: 173574
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 23.248 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion:106 Resp: 128974
Ion Ratio Lower Upper
106 100
91 206.3 166.6 250.0

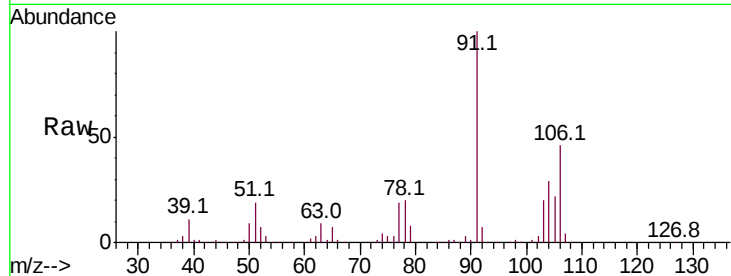




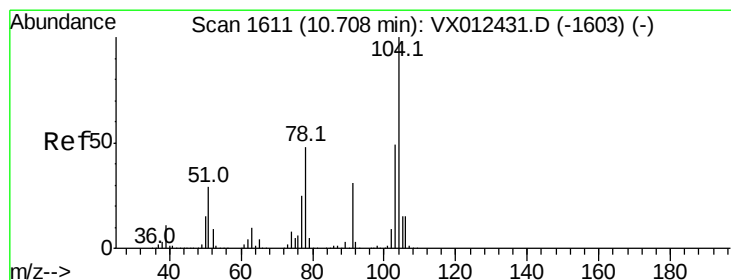
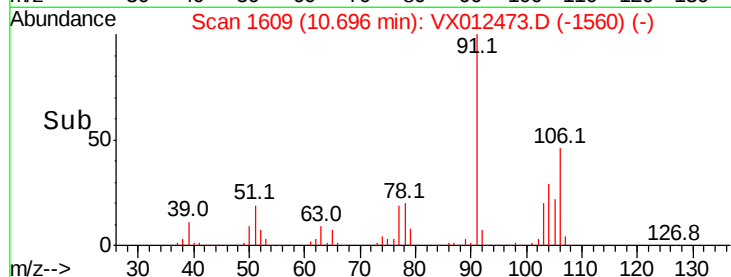
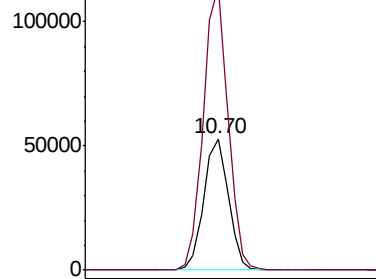
#69
o-Xylene
Concen: 11.752 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:106 Resp: 67051
Ion Ratio Lower Upper
106 100
91 214.2 109.4 328.2

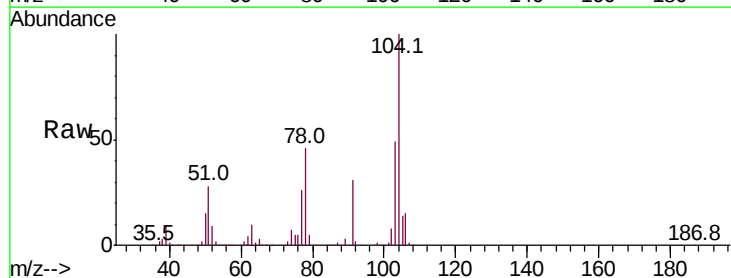


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

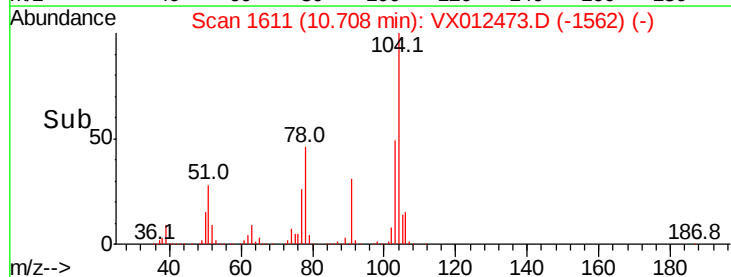
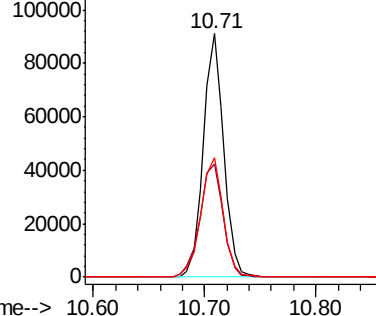


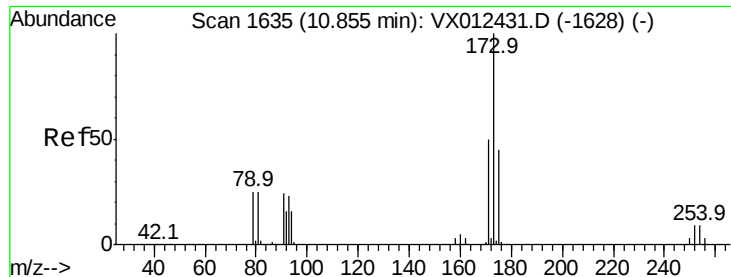
#70
Styrene
Concen: 11.415 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012473.D
Acq: 18 Sep 2019 15:01

Tgt Ion:104 Resp: 115226
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.2
103 54.1 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 11.838 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

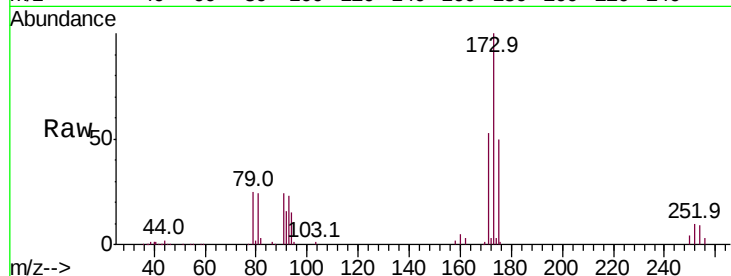
Tot Ion:173 Resp: 30173

Ion Ratio Lower Upper

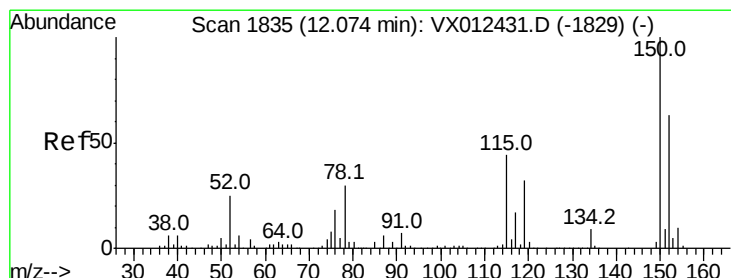
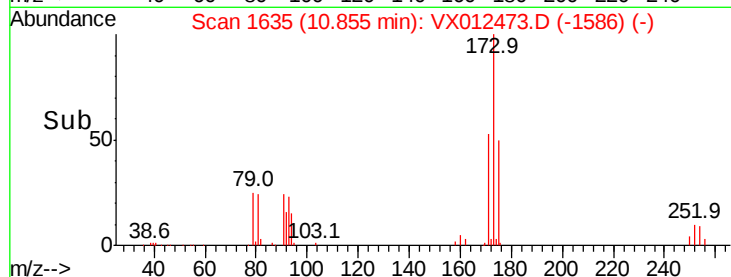
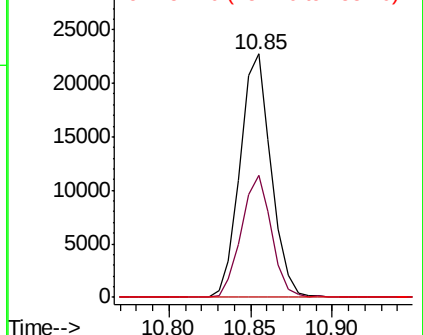
173 100

175 48.9 23.7 71.1

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

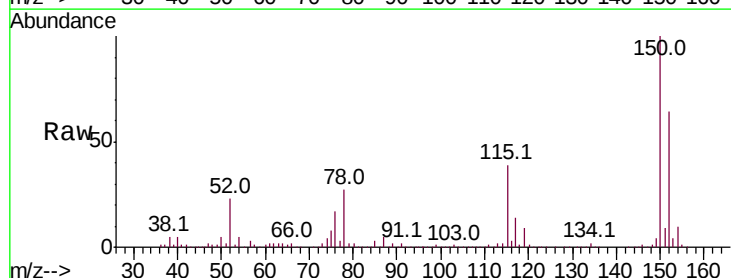
Tgt Ion:152 Resp: 250149

Ion Ratio Lower Upper

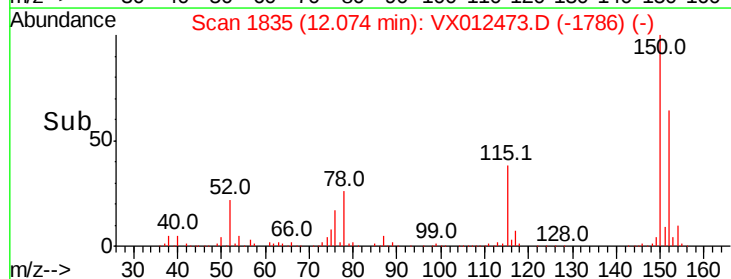
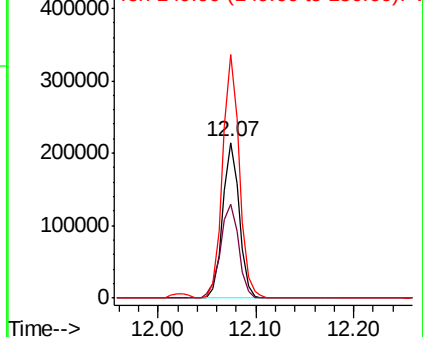
152 100

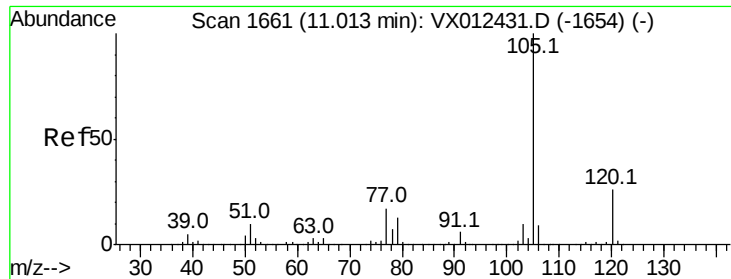
115 67.2 44.1 132.3

150 158.7 0.0 343.8



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: 11.766 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

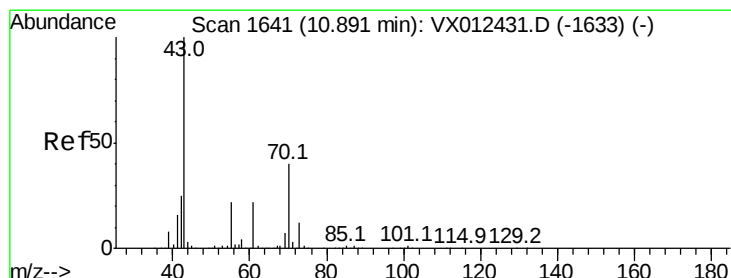
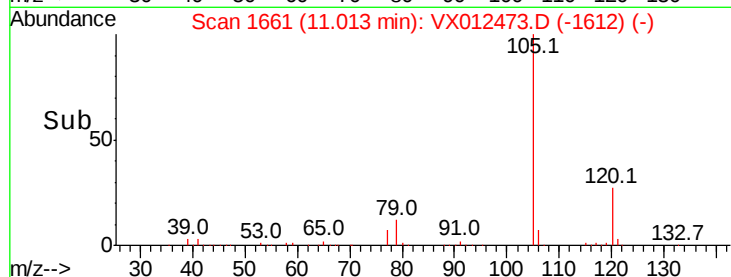
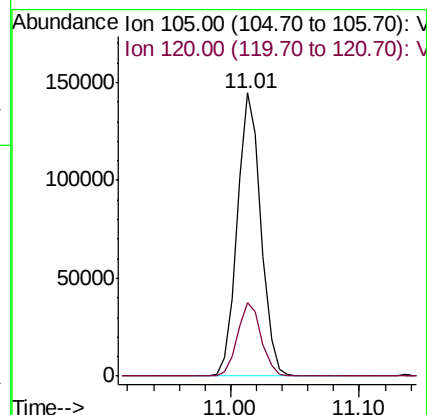
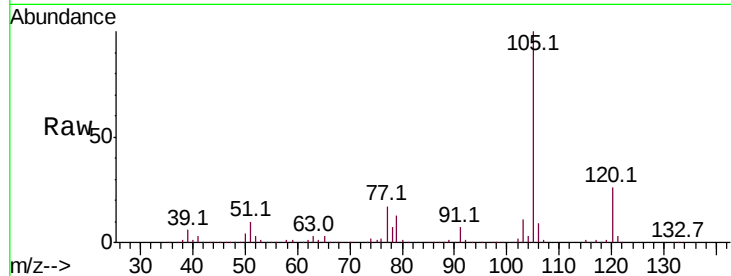
VX0918WBSD01

Tot Ion:105 Resp: 184665

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7



#74

N-ethyl acetate

Concen: 11.333 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Tgt Ion: 43 Resp: 95769

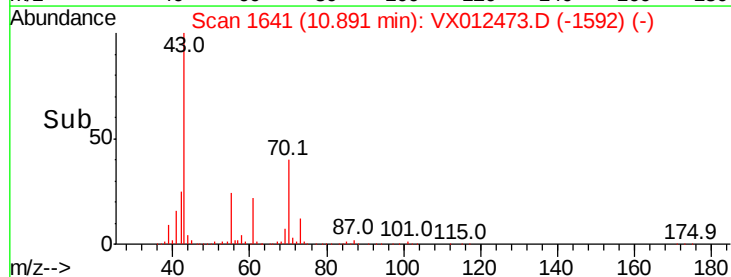
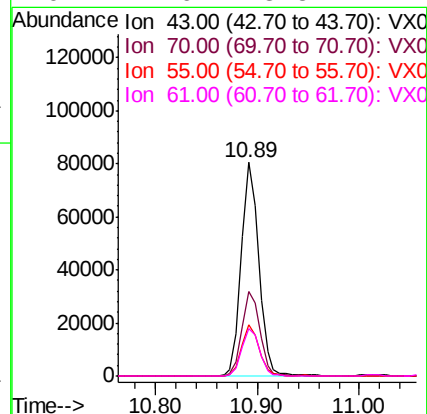
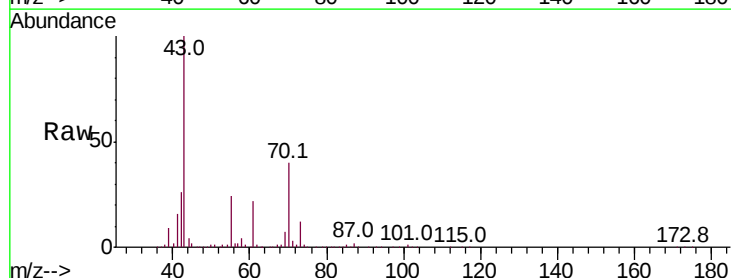
Ion Ratio Lower Upper

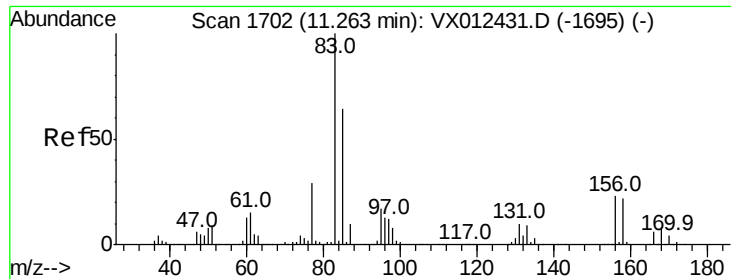
43 100

70 40.1 32.4 48.6

55 23.7 18.2 27.4

61 22.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 11.295 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

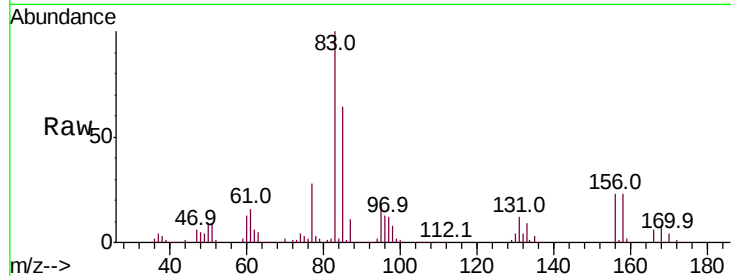
Tot Ion: 83 Resp: 69543

Ion Ratio Lower Upper

83 100

131 11.3 5.2 15.6

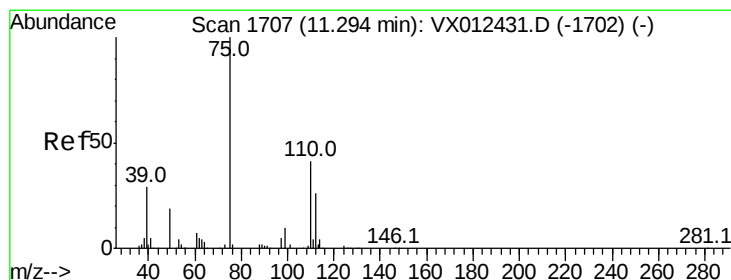
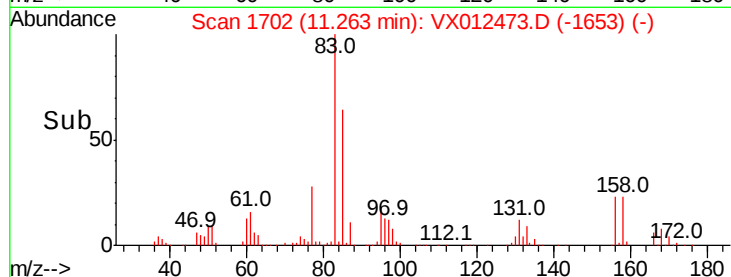
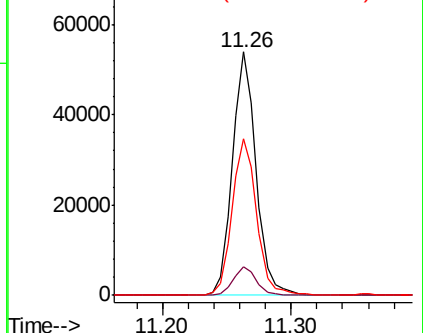
85 66.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 13.975 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012473.D

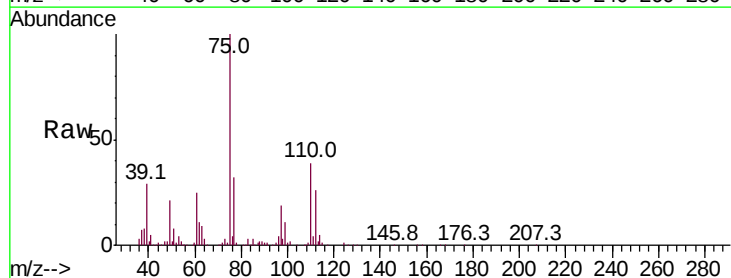
Acq: 18 Sep 2019 15:01

Tgt Ion: 75 Resp: 80301

Ion Ratio Lower Upper

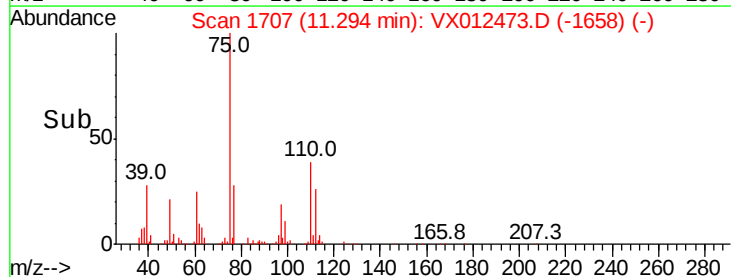
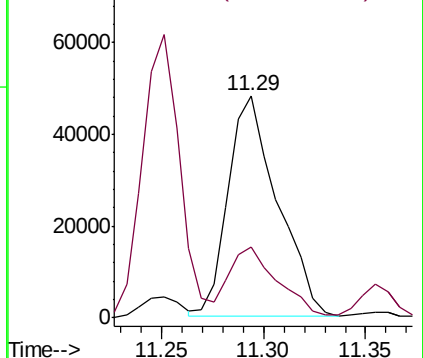
75 100

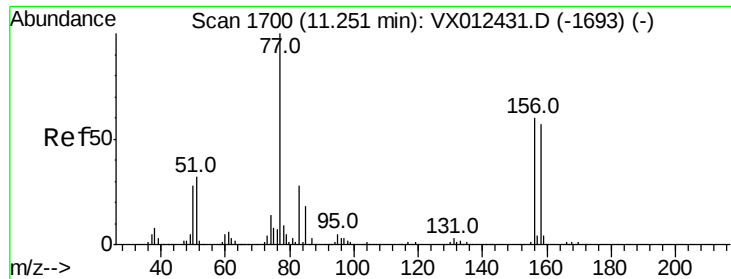
77 31.6 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 12.157 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

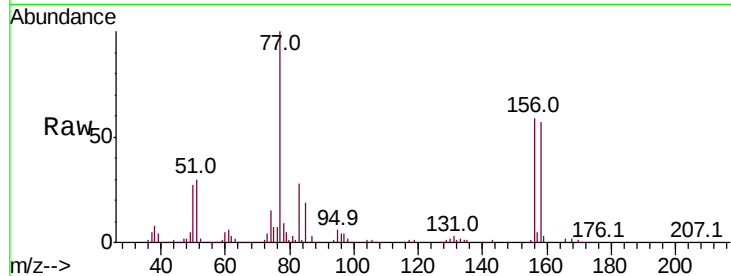
Tot Ion:156 Resp: 46535

Ion Ratio Lower Upper

156 100

77 169.7 87.3 261.8

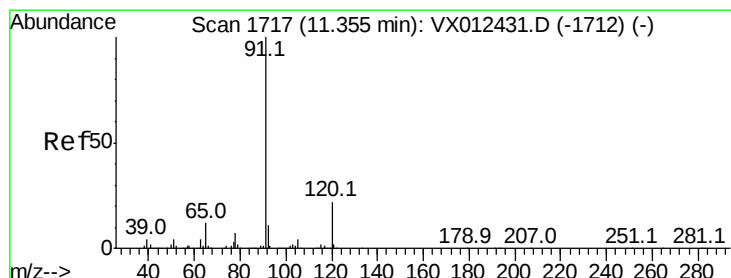
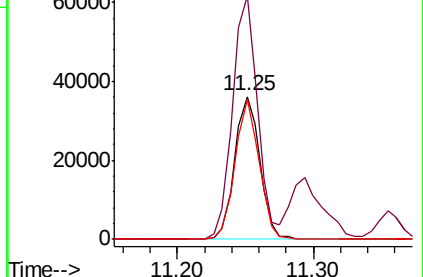
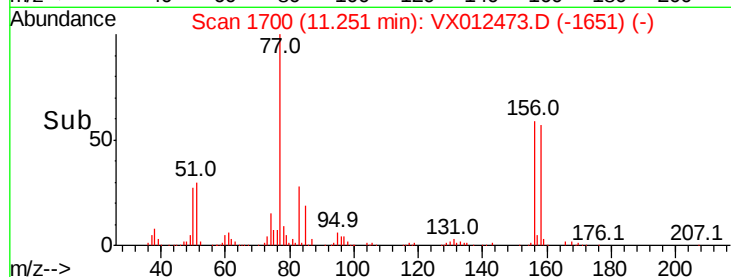
158 93.9 48.5 145.6



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: 11.525 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012473.D

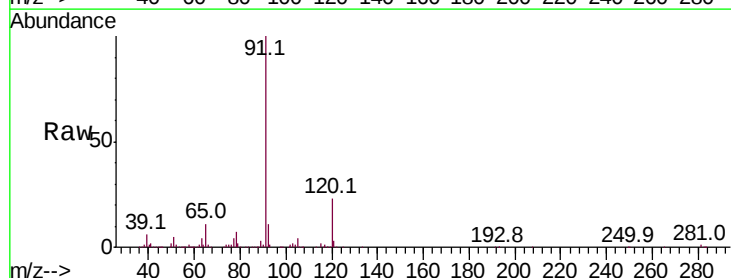
Acq: 18 Sep 2019 15:01

Tgt Ion: 91 Resp: 201608

Ion Ratio Lower Upper

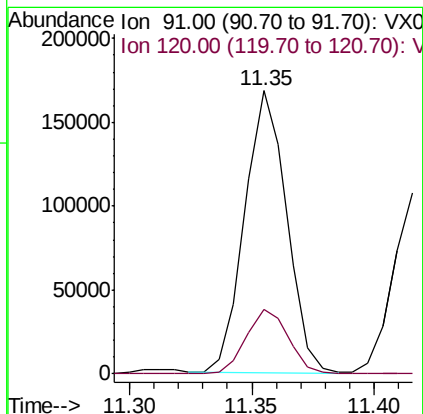
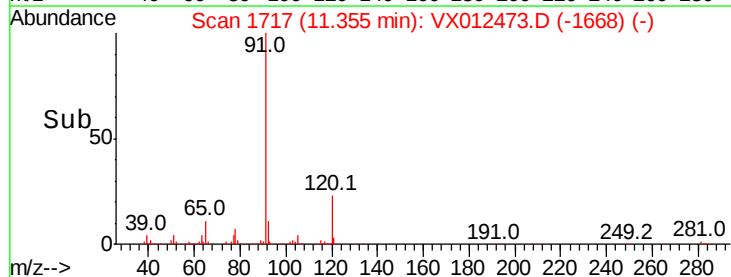
91 100

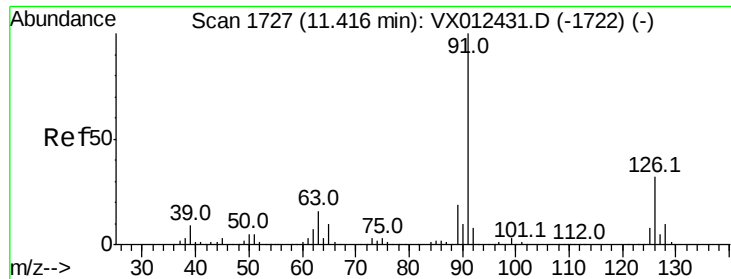
120 23.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

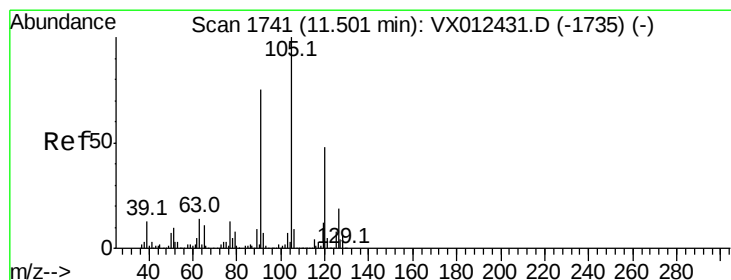
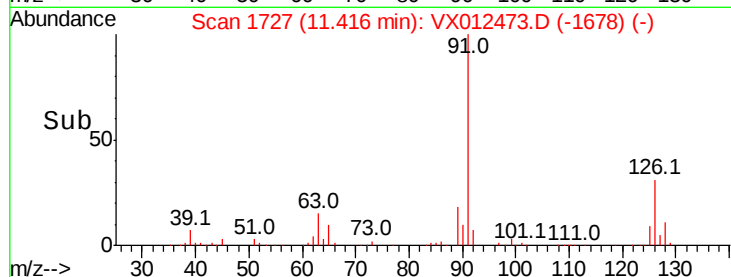
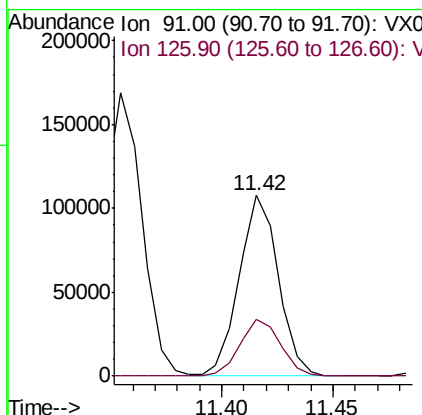
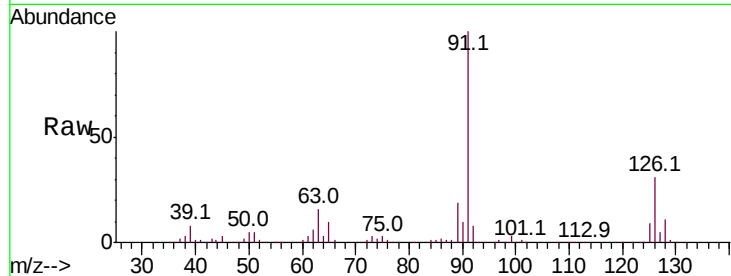




#79
 2-Chlorotoluene
 Concen: 11.565 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

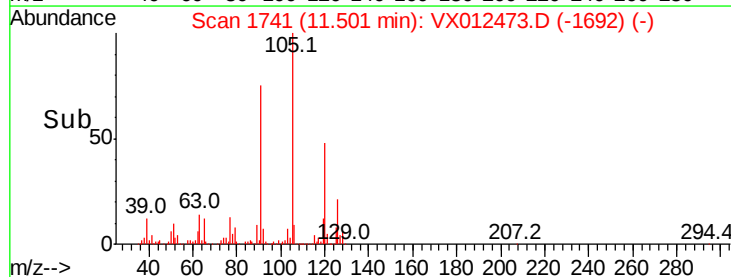
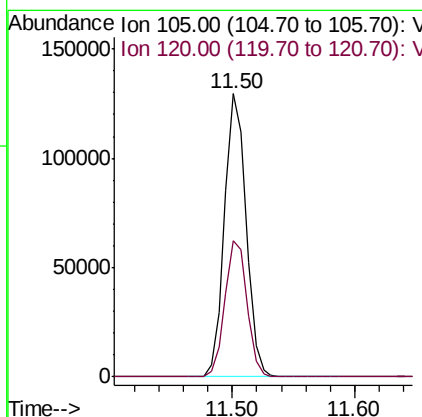
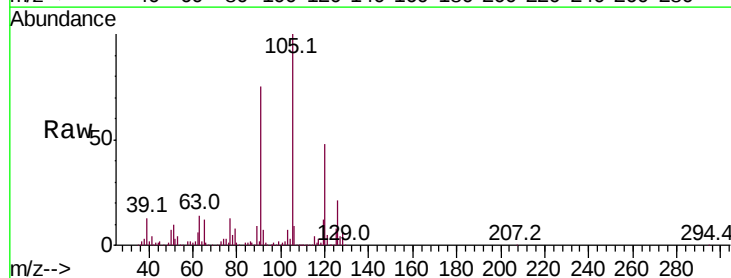
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

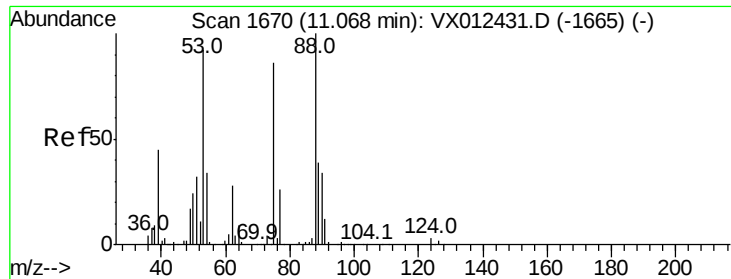
Tot Ion: 91 Resp: 131608
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 11.828 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion:105 Resp: 158326
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 12.027 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

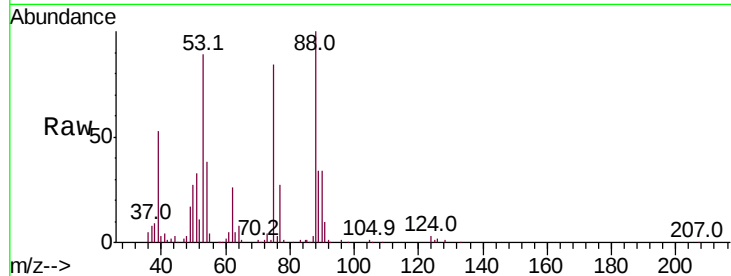
Tot Ion: 75 Resp: 19927

Ion Ratio Lower Upper

75 100

53 109.4 83.6 125.4

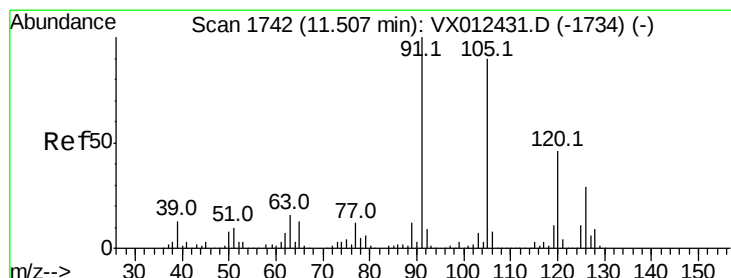
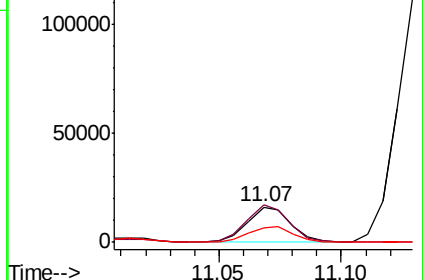
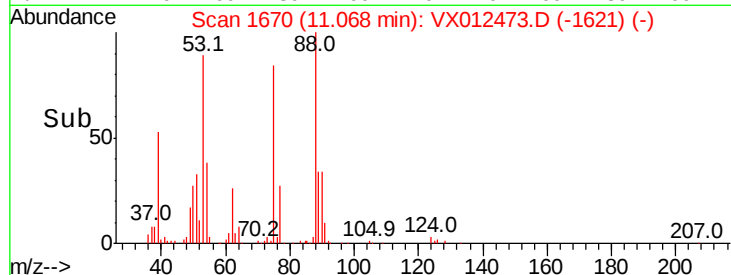
89 44.1 36.3 54.5



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: 11.601 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012473.D

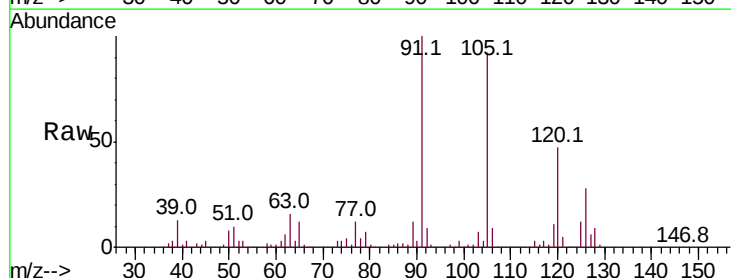
Acq: 18 Sep 2019 15:01

Tgt Ion: 91 Resp: 151517

Ion Ratio Lower Upper

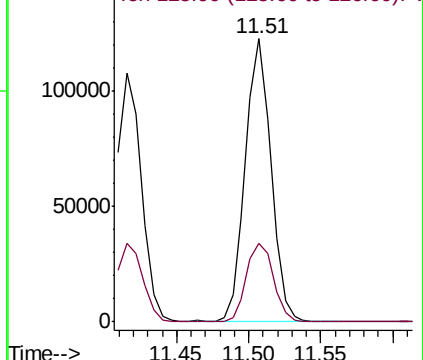
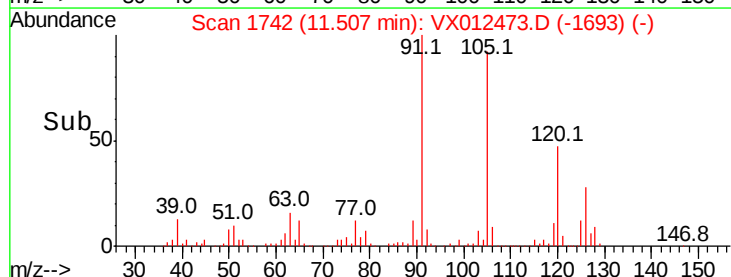
91 100

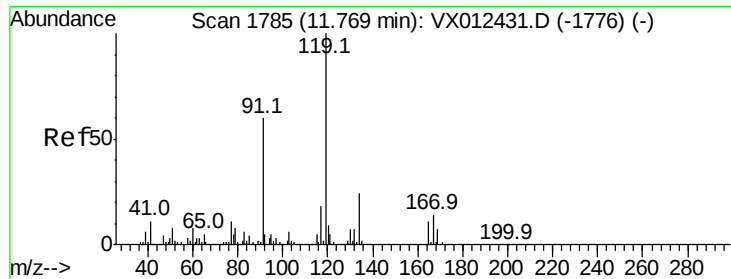
126 29.5 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 11.226 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

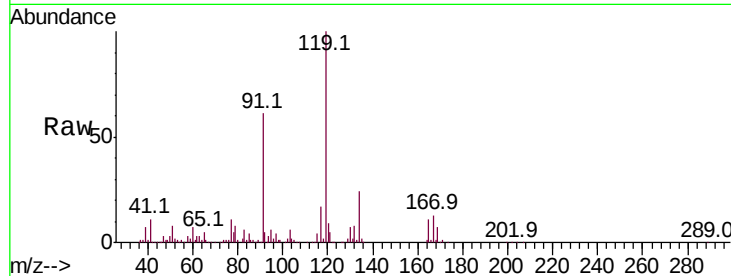
Tot Ion:119 Resp: 161016

Ion Ratio Lower Upper

119 100

91 61.7 30.0 90.0

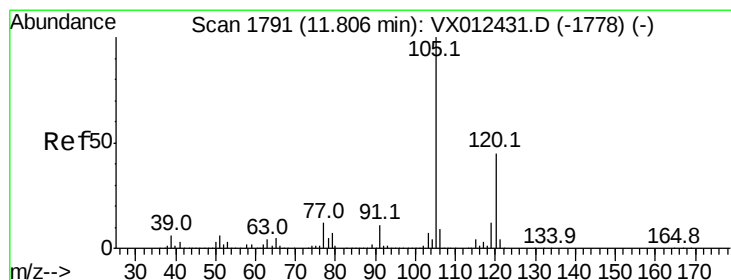
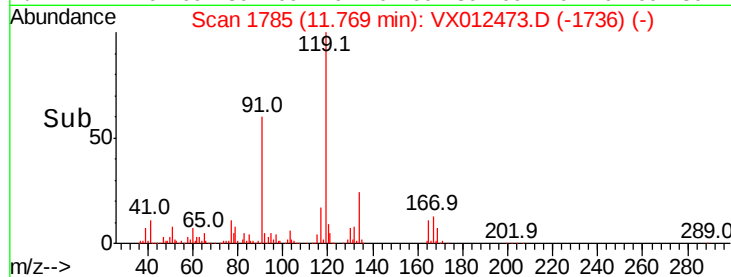
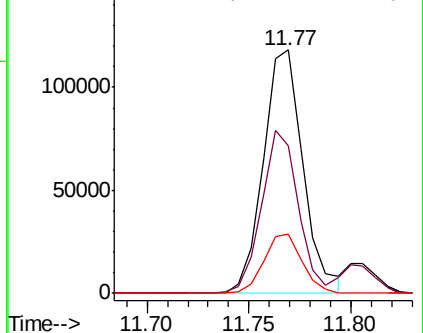
134 23.3 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.637 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012473.D

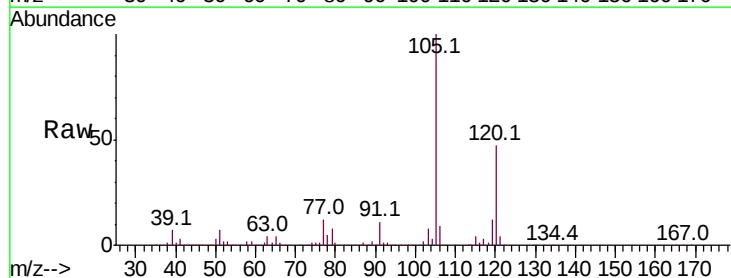
Acq: 18 Sep 2019 15:01

Tgt Ion:105 Resp: 159943

Ion Ratio Lower Upper

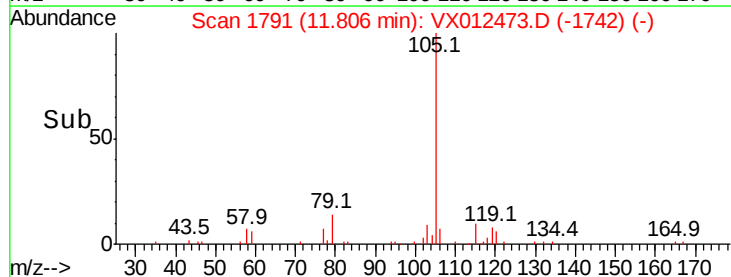
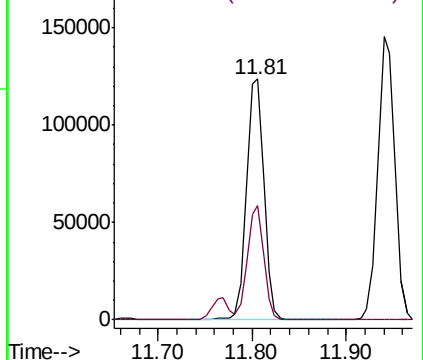
105 100

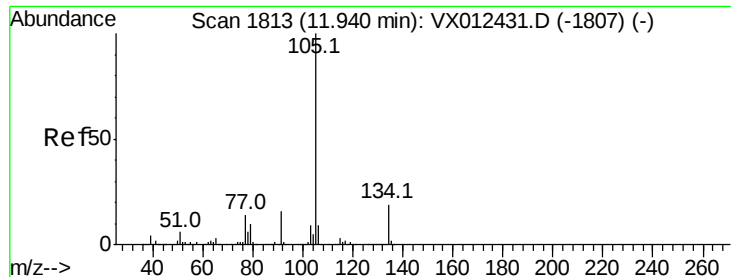
120 44.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 11.431 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

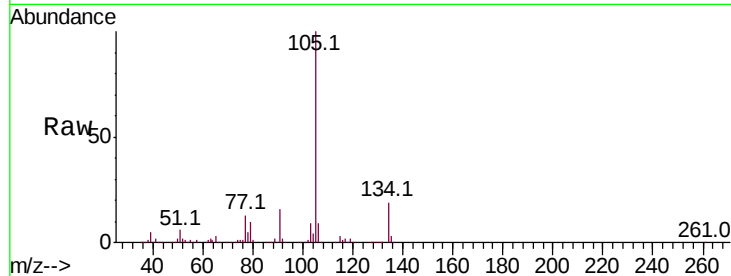
VX0918WBSD01

Tot Ion:105 Resp: 180670

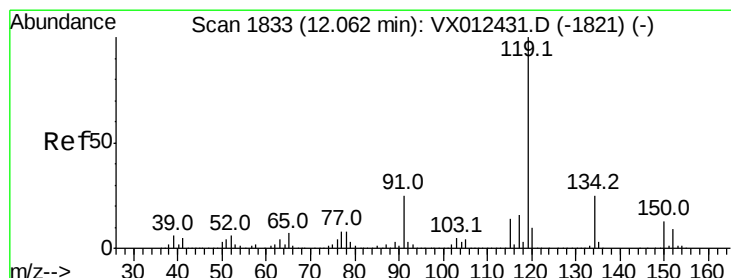
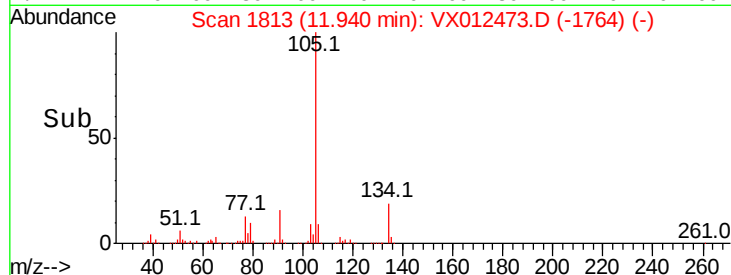
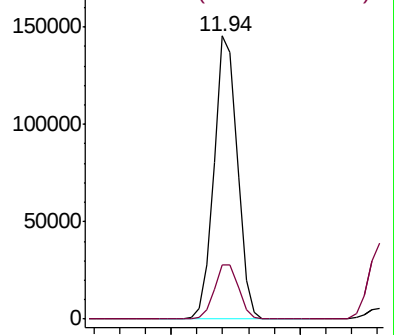
Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 11.569 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

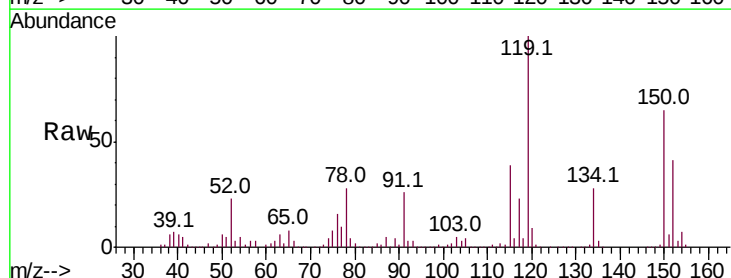
Tgt Ion:119 Resp: 167907

Ion Ratio Lower Upper

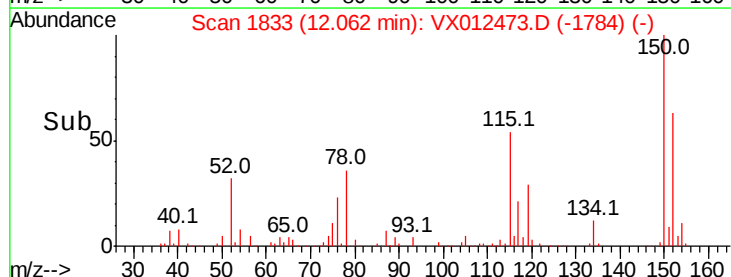
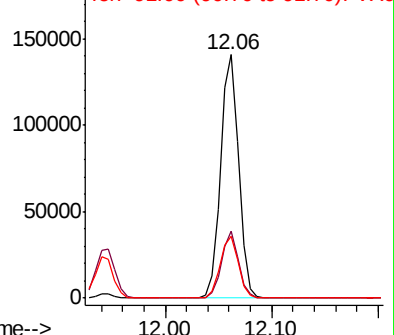
119 100

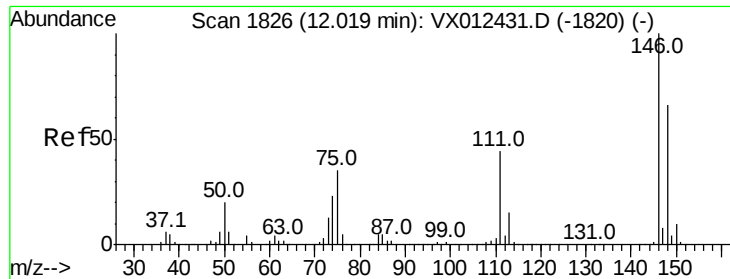
134 25.9 12.7 38.1

91 25.8 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

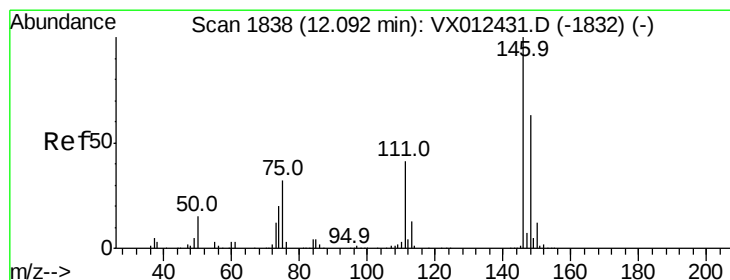
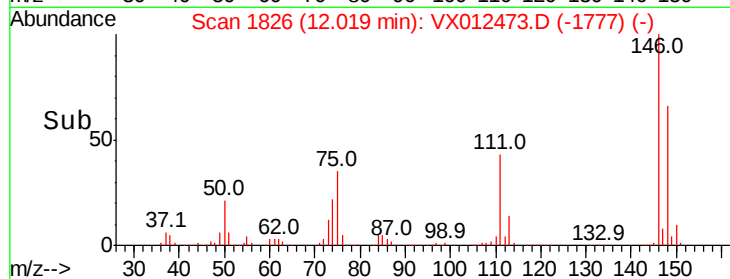
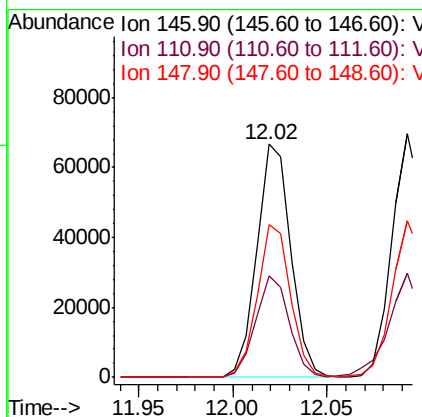
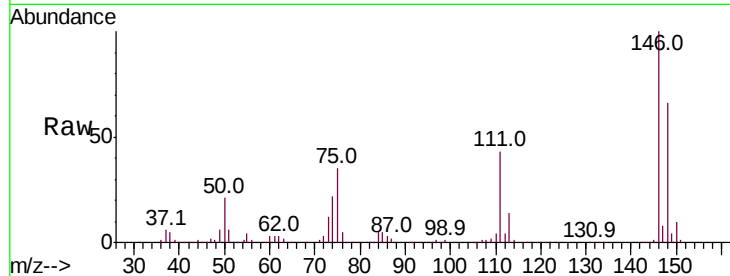




#87
 1,3-Dichlorobenzene
 Concen: 11.615 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

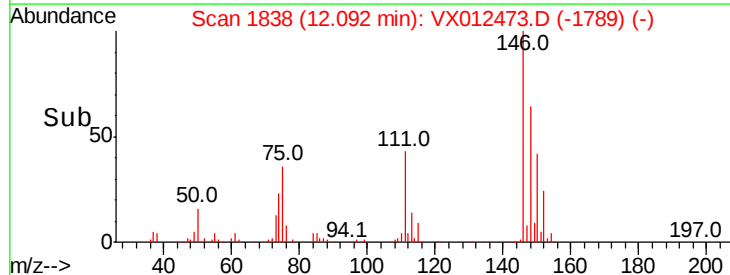
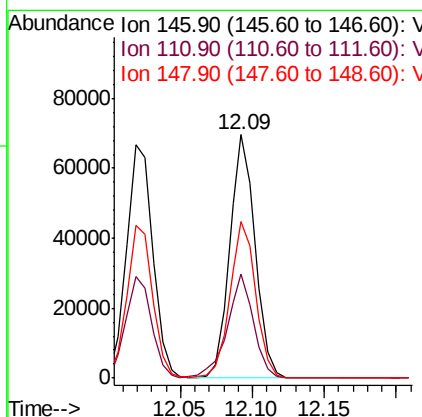
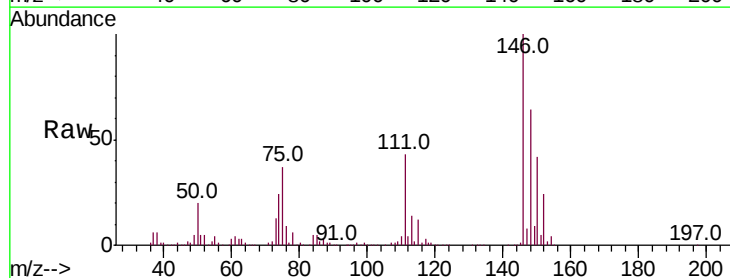
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

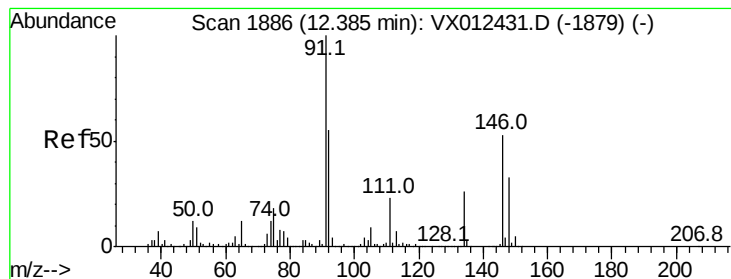
Tot Ion:146 Resp: 83632
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.3 64.0
 148 64.0 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 11.626 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion:146 Resp: 85993
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.1 63.3
 148 65.6 32.1 96.5





#89

n-Butylbenzene

Concen: 10.925 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

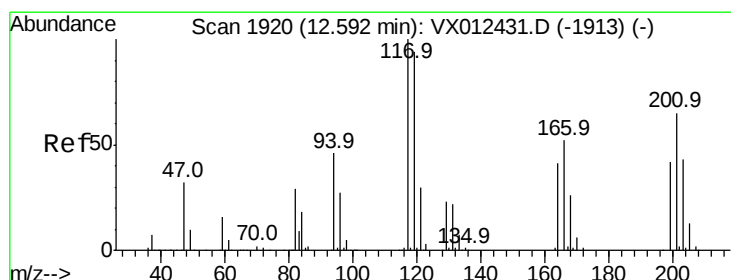
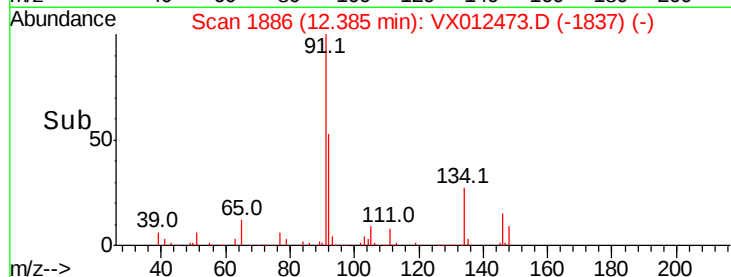
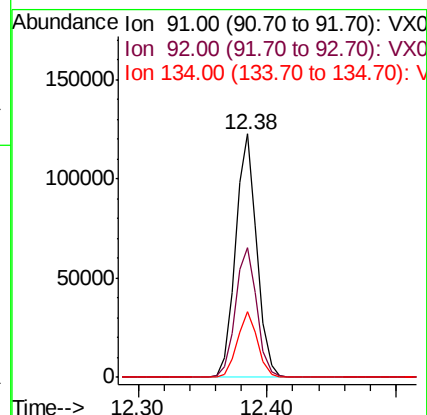
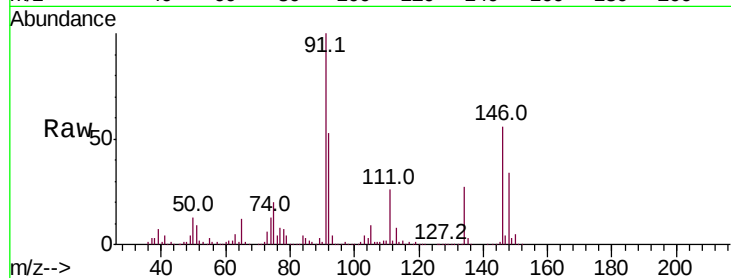
Tot Ion: 91 Resp: 141472

Ion Ratio Lower Upper

91 100

92 53.7 27.7 83.0

134 25.8 12.9 38.6



#90

Hexachloroethane

Concen: 10.733 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012473.D

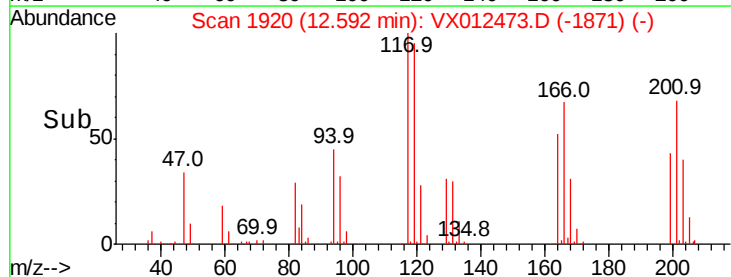
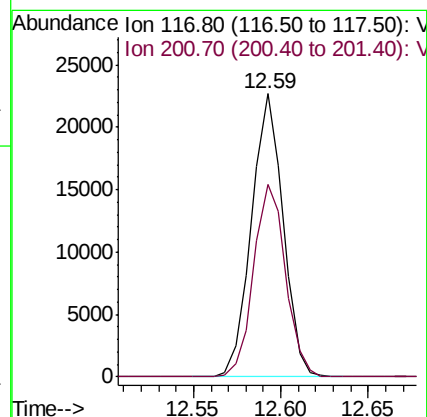
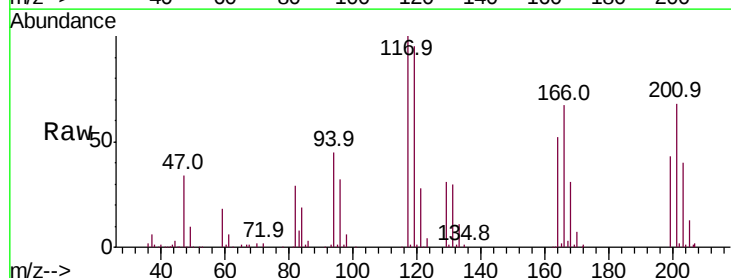
Acq: 18 Sep 2019 15:01

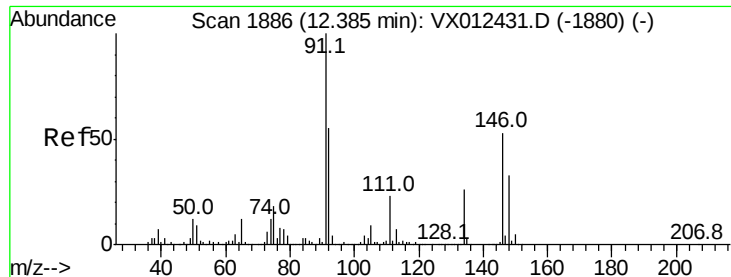
Tgt Ion: 117 Resp: 28563

Ion Ratio Lower Upper

117 100

201 68.6 33.3 99.8

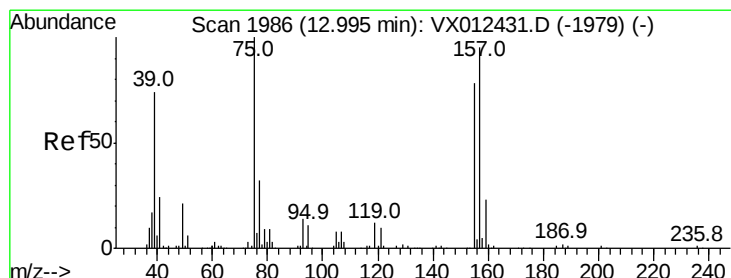
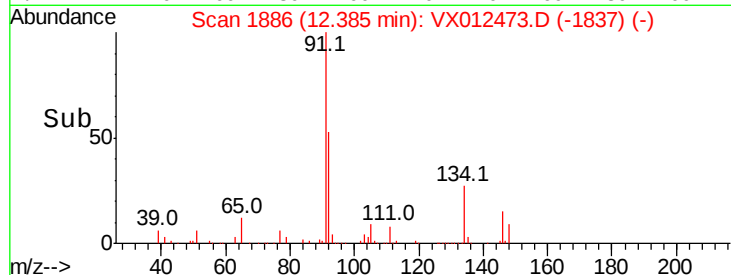
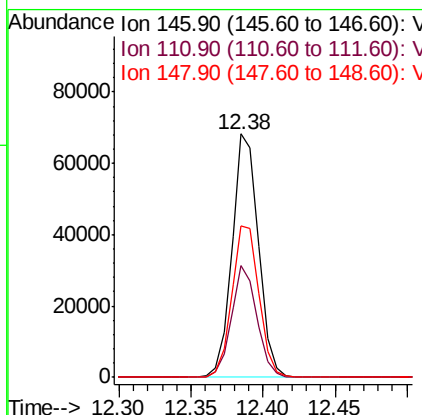
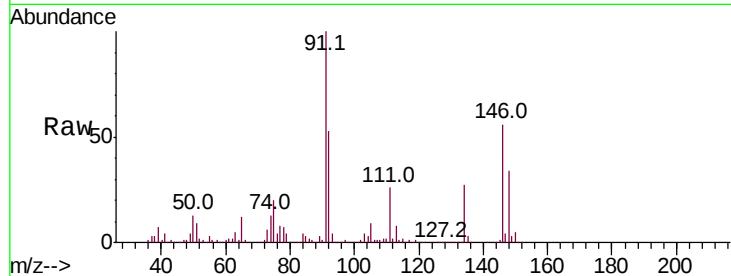




#91
 1,2-Dichlorobenzene
 Concen: 11.597 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

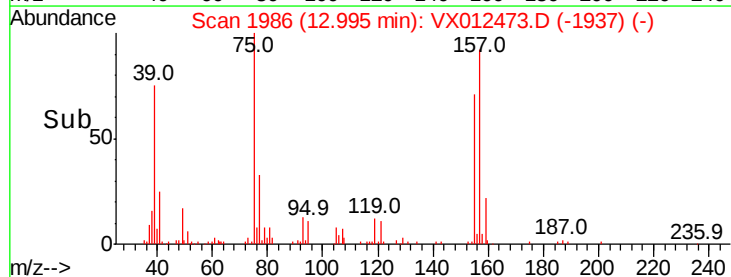
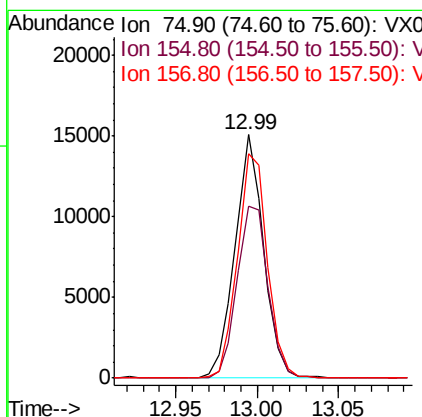
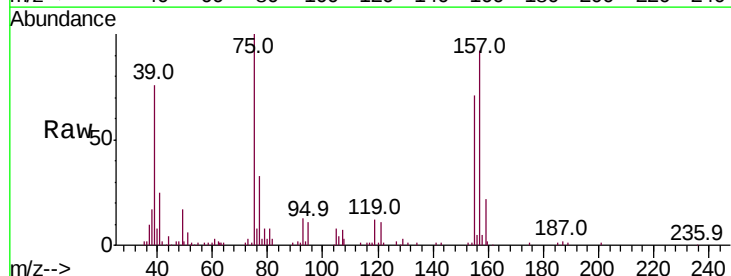
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

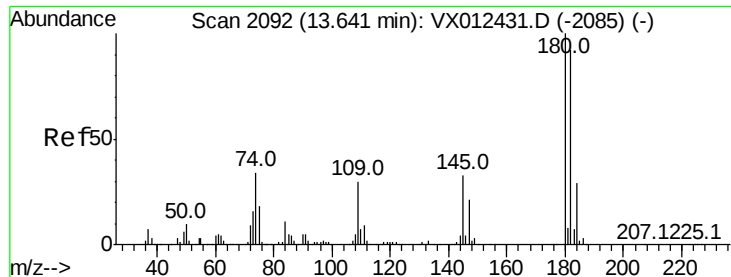
Tot Ion:146 Resp: 87279
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.1 66.1
 148 64.3 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.539 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012473.D
 Acq: 18 Sep 2019 15:01

Tgt Ion: 75 Resp: 18419
 Ion Ratio Lower Upper
 75 100
 155 76.7 38.6 115.8
 157 96.2 50.6 151.9





#93

1,2,4-Trichlorobenzene

Concen: 11.578 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

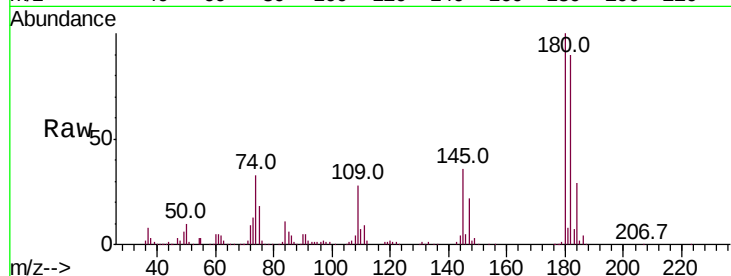
Tot Ion:180 Resp: 56123

Ion Ratio Lower Upper

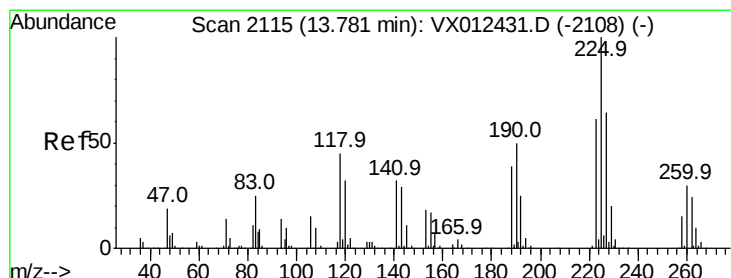
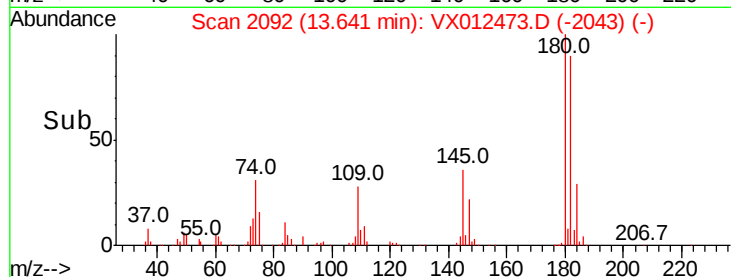
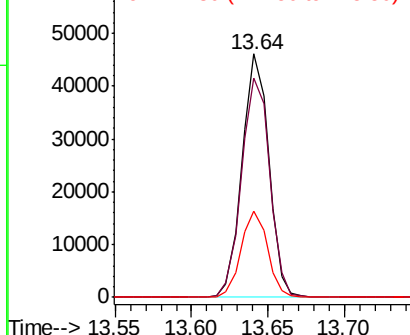
180 100

182 94.9 47.0 141.0

145 35.6 16.8 50.4



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



#94

Hexachlorobutadiene

Concen: 10.648 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

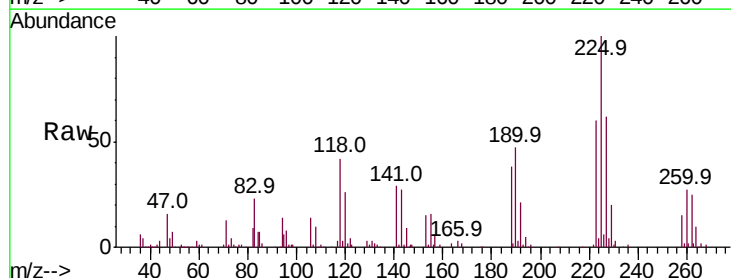
Tgt Ion:225 Resp: 24328

Ion Ratio Lower Upper

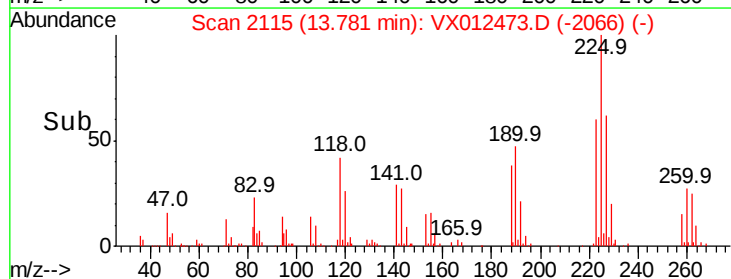
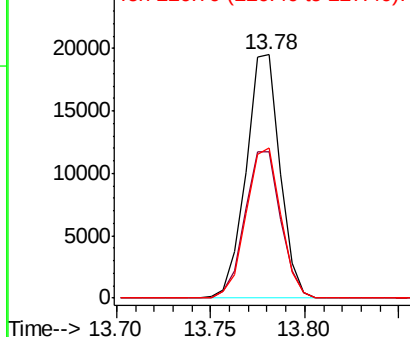
225 100

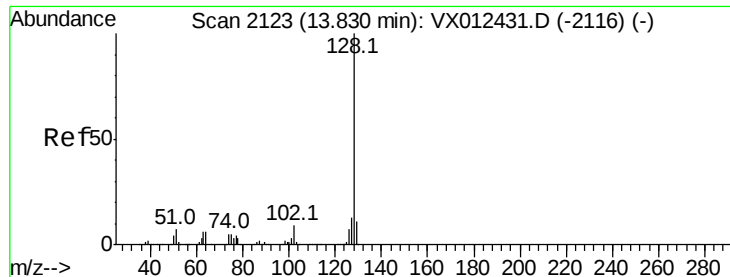
223 63.7 32.0 96.2

227 63.1 31.9 95.5



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





#95

Naphthalene

Concen: 12.069 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

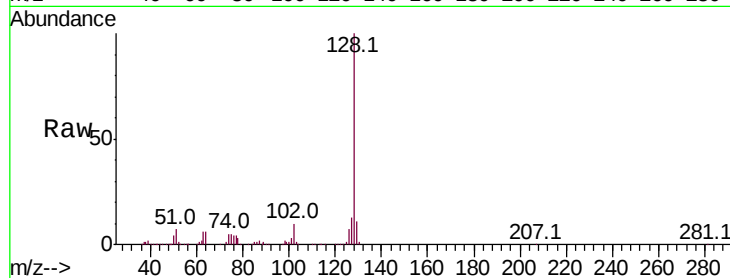
Tot Ion:128 Resp: 208174

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

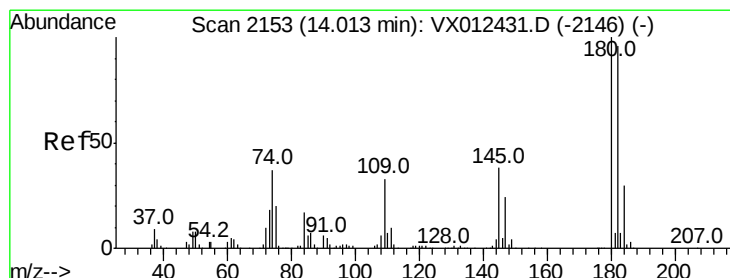
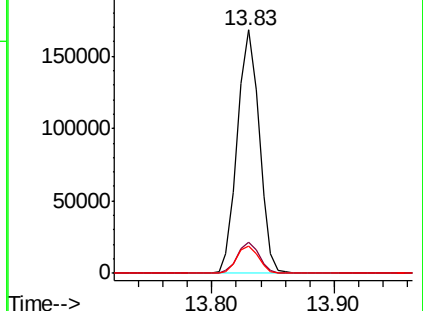
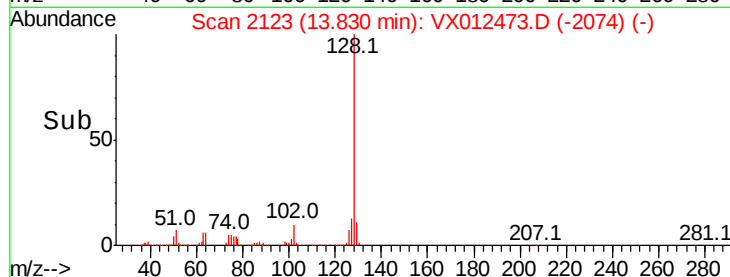
129 11.4 8.8 13.2



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: 11.846 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012473.D

Acq: 18 Sep 2019 15:01

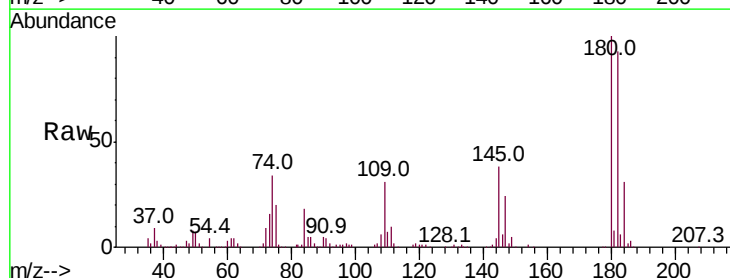
Tgt Ion:180 Resp: 58514

Ion Ratio Lower Upper

180 100

182 93.1 47.1 141.3

145 36.1 18.0 54.0



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

