

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\
 Data File : VX007757.D
 Acq On : 28 Feb 2019 11:05
 Operator : JC/SP
 Sample : VX0228WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Quant Time: Mar 01 01:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	311950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	436919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	172026	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
35) Dibromofluoromethane	5.50	113	141368	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.71	98	536884	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.13	95	192680	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	50330	17.514	ug/l	97
3) Chloromethane	1.33	50	53574	16.824	ug/l	98
4) Vinyl Chloride	1.41	62	55866	17.100	ug/l	99
5) Bromomethane	1.64	94	35053	15.975	ug/l	99
6) Chloroethane	1.73	64	35912	17.205	ug/l	99
7) Trichlorofluoromethane	1.93	101	81766	16.326	ug/l	98
8) Diethyl Ether	2.19	74	33809	16.448	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50557	16.701	ug/l	98
10) Methyl Iodide	2.51	142	65381	17.345	ug/l	100
11) Tert butyl alcohol	3.06	59	65916	89.908	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45695	16.746	ug/l	94
13) Acrolein	2.29	56	52575	80.700	ug/l	99
14) Allyl chloride	2.73	41	92210	18.276	ug/l	95
15) Acrylonitrile	3.15	53	156844	90.907	ug/l	99
16) Acetone	2.45	43	157712	91.781	ug/l	98
17) Carbon Disulfide	2.57	76	120679	15.897	ug/l	100
18) Methyl Acetate	2.78	43	71743	19.133	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	161587	17.005	ug/l	99
20) Methylene Chloride	2.86	84	51206	16.138	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	48238	16.261	ug/l	91
22) Diisopropyl ether	3.87	45	187089	17.813	ug/l	96
23) Vinyl Acetate	3.82	43	806672	87.540	ug/l	97
24) 1,1-Dichloroethane	3.70	63	93855	16.442	ug/l	97
25) 2-Butanone	4.70	43	243981	93.211	ug/l	95
26) 2,2-Dichloropropane	4.59	77	74860	16.429	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	59346	15.723	ug/l	91
28) Bromochloromethane	5.01	49	47655	17.149	ug/l	86
29) Tetrahydrofuran	5.15	42	156053	90.445	ug/l	93
30) Chloroform	5.21	83	101257	16.560	ug/l	99
31) Cyclohexane	5.57	56	92147	17.162	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	84659	16.742	ug/l	97
36) 1,1-Dichloropropene	5.80	75	75320	19.175	ug/l	97
37) Ethyl Acetate	4.85	43	88345	20.247	ug/l	99
38) Carbon Tetrachloride	5.78	117	72984	18.497	ug/l	98

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Quant Time: Mar 01 01:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94131	18.961	ug/l	94
40) Benzene	6.14	78	227917	18.796	ug/l	100
41) Methacrylonitrile	5.06	41	49648	21.308	ug/l	95
42) 1,2-Dichloroethane	6.20	62	81997	20.119	ug/l	99
43) Isopropyl Acetate	6.46	43	133800	19.924	ug/l	98
44) Trichloroethene	7.21	130	62960	18.875	ug/l	97
45) 1,2-Dichloropropane	7.51	63	60689	19.321	ug/l	99
46) Dibromomethane	7.66	93	38582	17.607	ug/l	99
47) Bromodichloromethane	7.90	83	70775	18.637	ug/l	97
48) Methyl methacrylate	7.77	41	71152	20.213	ug/l	93
49) 1,4-Dioxane	7.75	88	28313	372.392	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	453469	100.877	ug/l	99
52) Toluene	8.78	92	144245	18.865	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	76481	18.095	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	86275	18.722	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	59062	18.523	ug/l	99
56) Ethyl methacrylate	9.18	69	86186	19.007	ug/l	95
57) 1,3-Dichloropropane	9.37	76	97551	19.112	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	260343	104.118	ug/l	97
59) 2-Hexanone	9.49	43	349454	99.018	ug/l	98
60) Dibromochloromethane	9.58	129	57503	18.742	ug/l	100
61) 1,2-Dibromoethane	9.67	107	61480	18.571	ug/l	99
64) Tetrachloroethene	9.34	164	66625	20.618	ug/l	98
65) Chlorobenzene	10.13	112	158914	18.459	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	56010	18.651	ug/l	99
67) Ethyl Benzene	10.25	91	265072	18.587	ug/l	100
68) m/p-Xylenes	10.36	106	206074	37.144	ug/l	96
69) o-Xylene	10.69	106	98484	18.455	ug/l	96
70) Styrene	10.71	104	161636	18.427	ug/l	98
71) Bromoform	10.85	173	43421	19.282	ug/l #	99
73) Isopropylbenzene	11.02	105	267948	18.022	ug/l	99
74) N-amyl acetate	10.90	43	115190	17.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	87480	17.012	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	99307	22.396	ug/l	80
77) Bromobenzene	11.26	156	71576	19.193	ug/l	93
78) n-propylbenzene	11.36	91	303802	18.082	ug/l	97
79) 2-Chlorotoluene	11.42	91	180544	17.847	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	224084	18.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23728	16.486	ug/l	92
82) 4-Chlorotoluene	11.51	91	209163	17.674	ug/l	99
83) tert-Butylbenzene	11.77	119	216168	18.409	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	228435	18.261	ug/l	99
85) sec-Butylbenzene	11.94	105	268200	18.227	ug/l	99
86) p-Isopropyltoluene	12.06	119	240271	18.646	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	126353	18.266	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	128464	18.134	ug/l	99
89) n-Butylbenzene	12.39	91	200765	17.470	ug/l	99
90) Hexachloroethane	12.60	117	37227	17.145	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	128098	18.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18145	16.194	ug/l	93

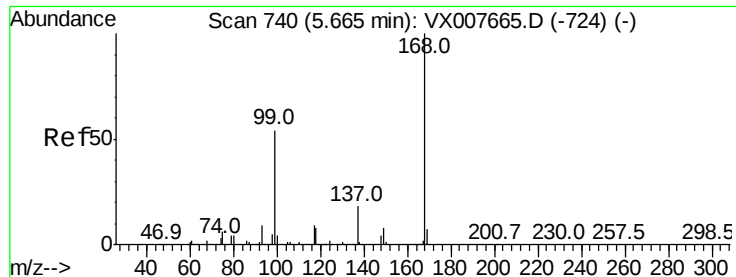
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\
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Quant Time: Mar 01 01:28:38 2019
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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	87259	20.654	ug/l	100
94) Hexachlorobutadiene	13.78	225	48944	25.324	ug/l	98
95) Naphthalene	13.83	128	250654	18.312	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	86877	20.480	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

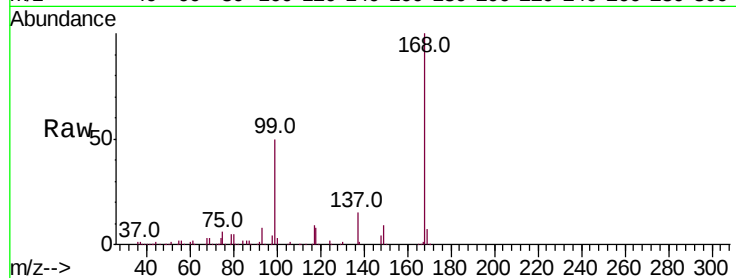
VX0228WBS01

Tot Ion:168 Resp: 311950

Ion Ratio Lower Upper

168 100

99 50.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

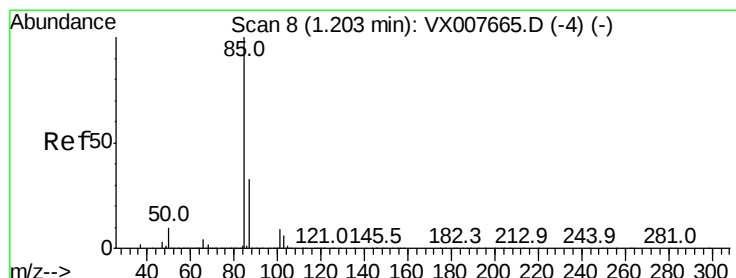
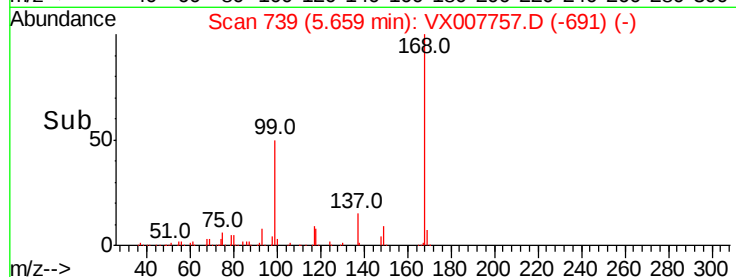
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.514 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007757.D

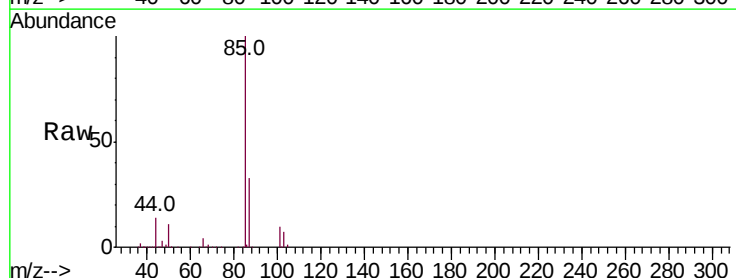
Acq: 28 Feb 2019 11:05

Tgt Ion: 85 Resp: 50330

Ion Ratio Lower Upper

85 100

87 33.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

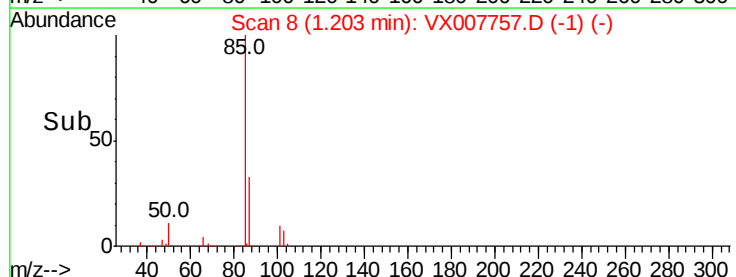
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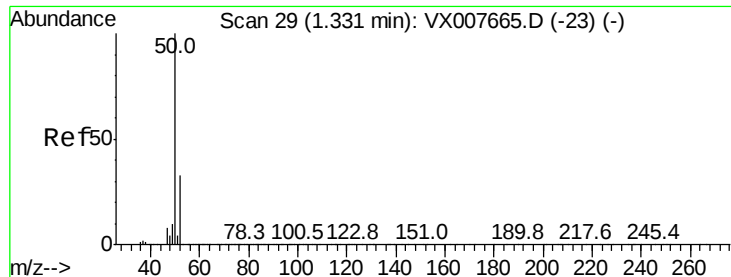
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.824 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

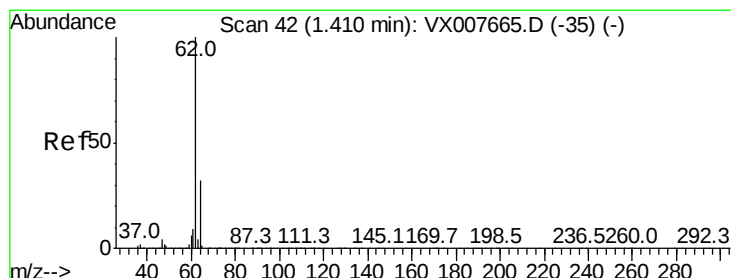
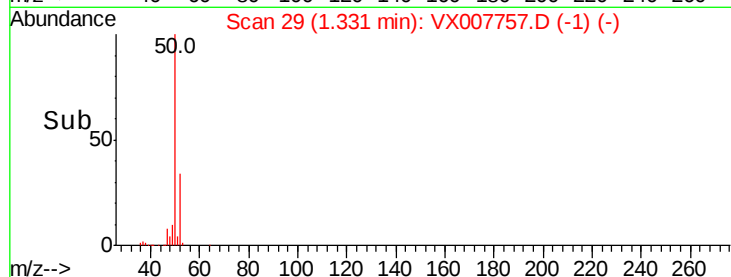
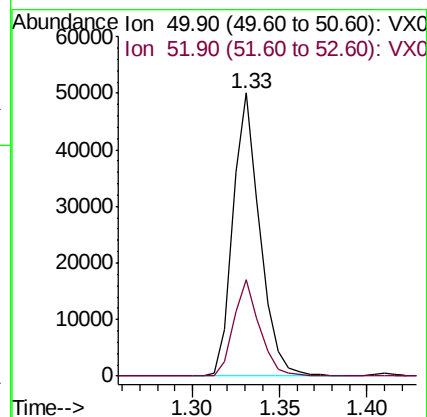
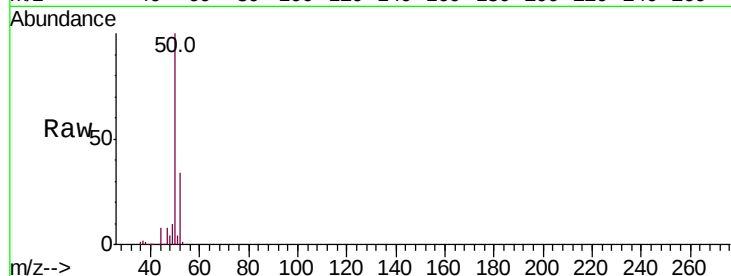
VX0228WBS01

Tot Ion: 50 Resp: 53574

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 17.100 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007757.D

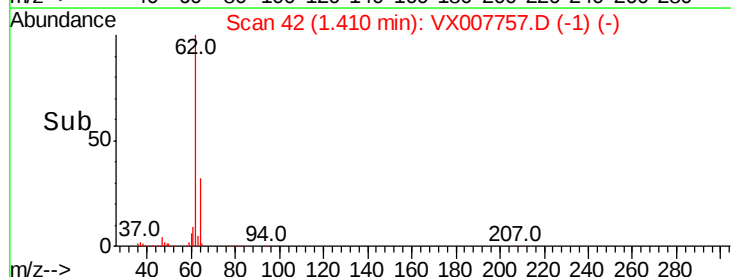
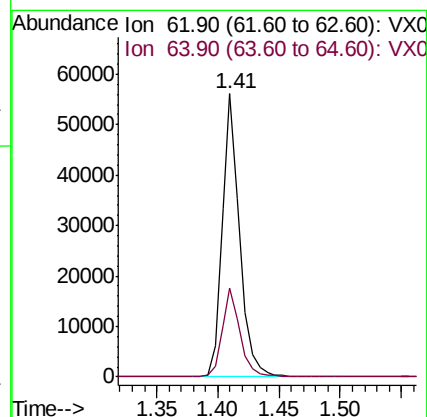
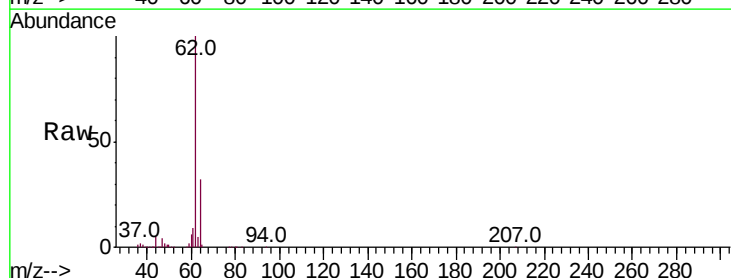
Acq: 28 Feb 2019 11:05

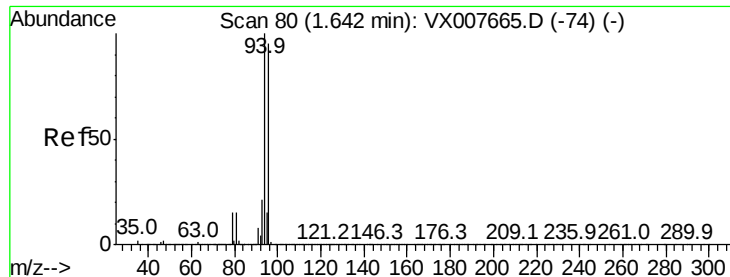
Tgt Ion: 62 Resp: 55866

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 15.975 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

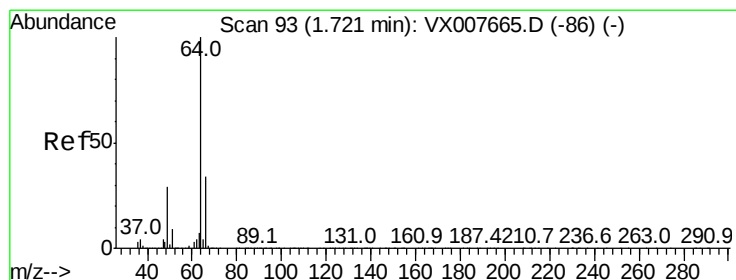
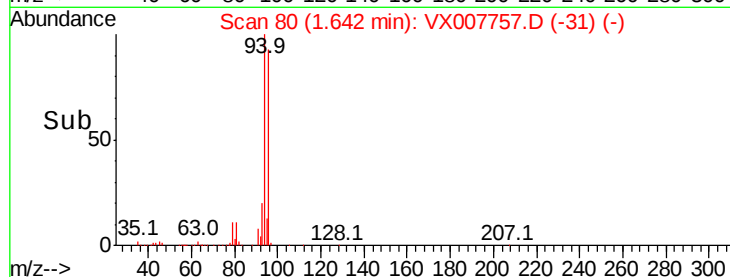
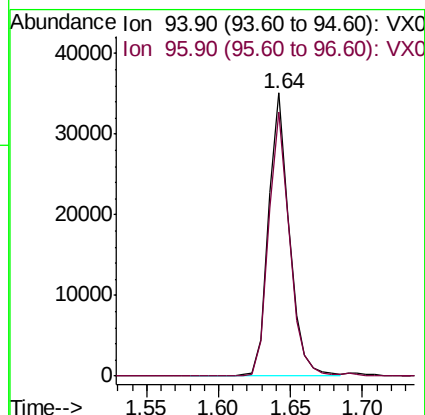
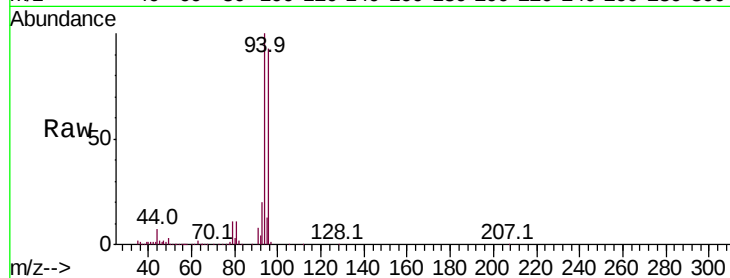
VX0228WBS01

Tot Ion: 94 Resp: 35053

Ion Ratio Lower Upper

94 100

96 93.3 73.9 110.9



#6

Chloroethane

Concen: 17.205 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007757.D

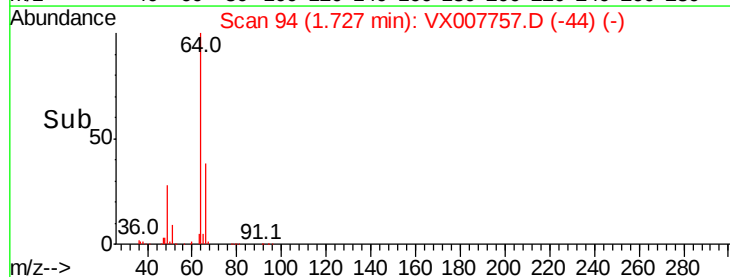
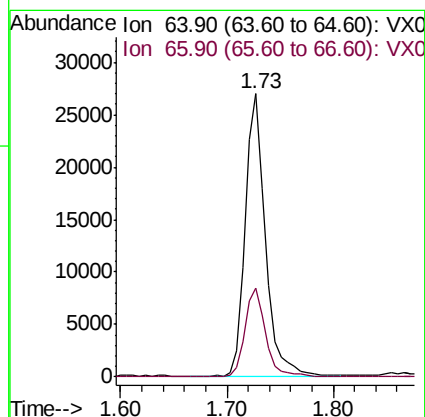
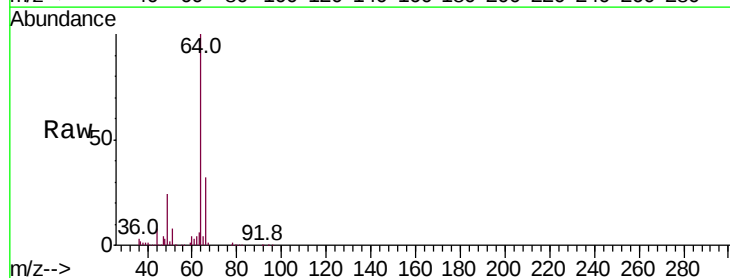
Acq: 28 Feb 2019 11:05

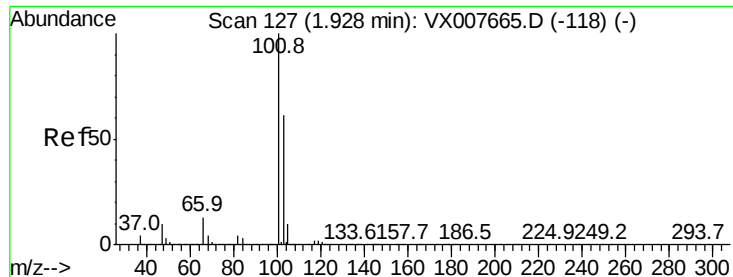
Tgt Ion: 64 Resp: 35912

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



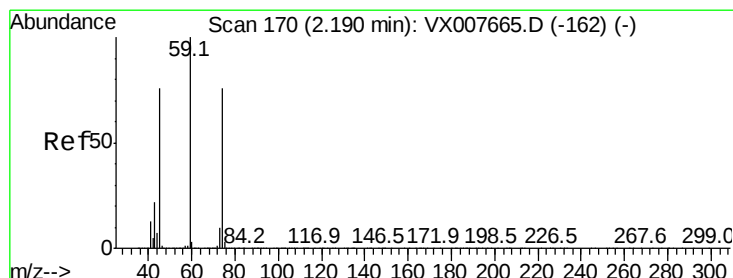
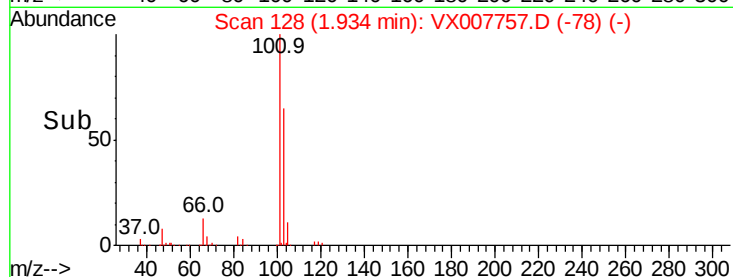
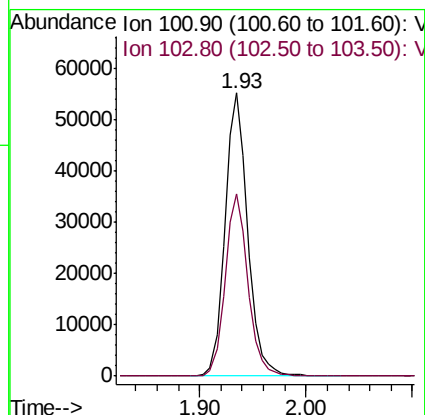
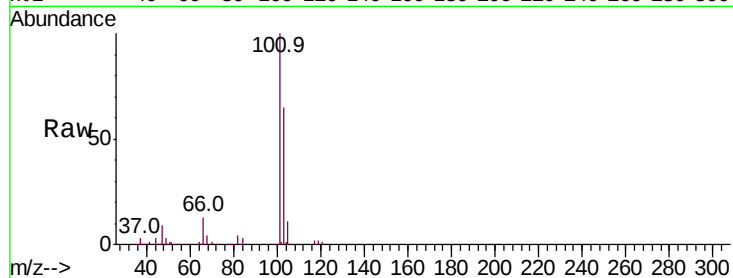


#7

Trichlorofluoromethane
 Concen: 16.326 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Instrument :
 MSVOA_X
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 VX0228WBS01

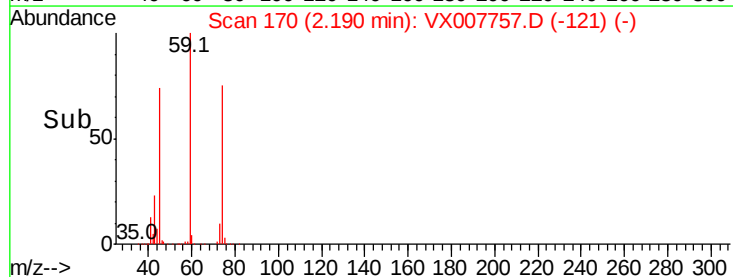
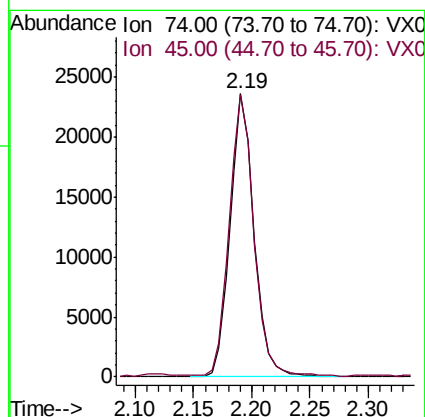
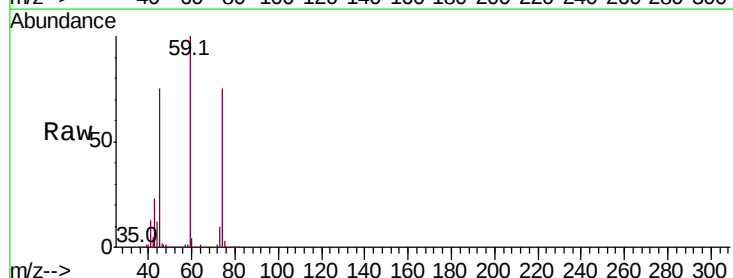
Tot Ion:101 Resp: 81766
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

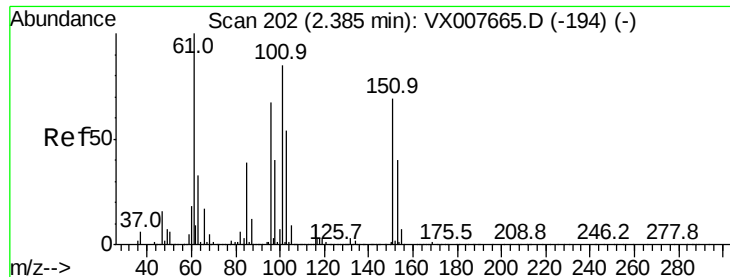


#8

Diethyl Ether
 Concen: 16.448 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Tgt Ion: 74 Resp: 33809
 Ion Ratio Lower Upper
 74 100
 45 101.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.701 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

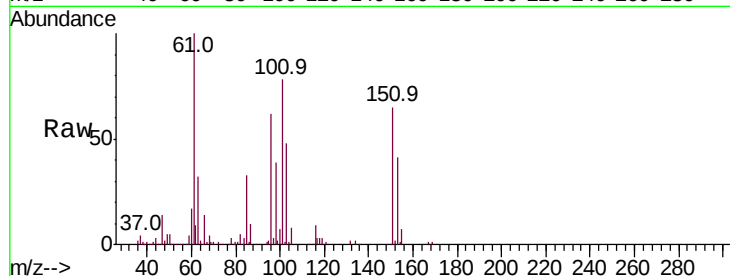
Tot Ion:101 Resp: 50557

Ion Ratio Lower Upper

101 100

85 43.2 34.1 51.1

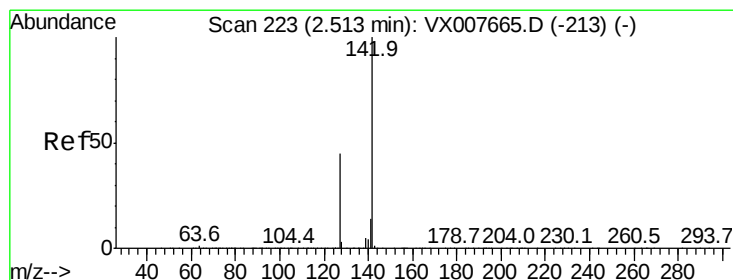
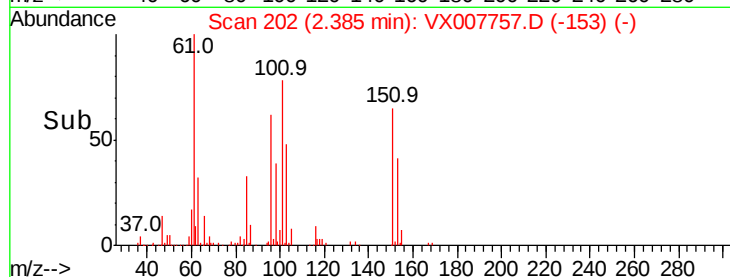
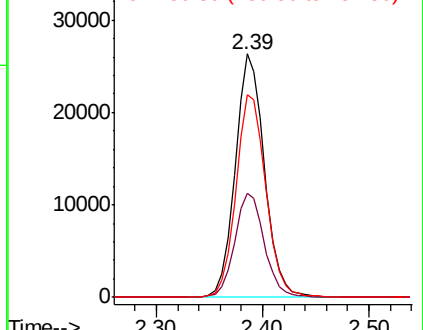
151 85.2 69.9 104.9



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: 17.345 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

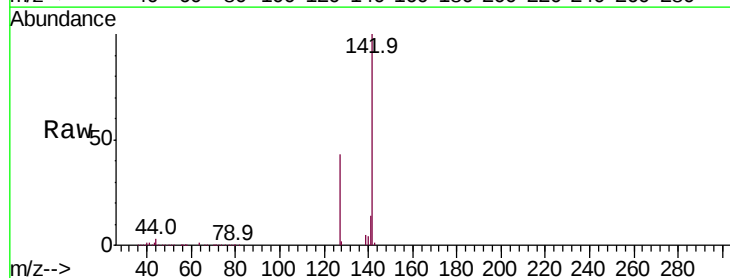
Tgt Ion:142 Resp: 65381

Ion Ratio Lower Upper

142 100

127 42.2 33.7 50.5

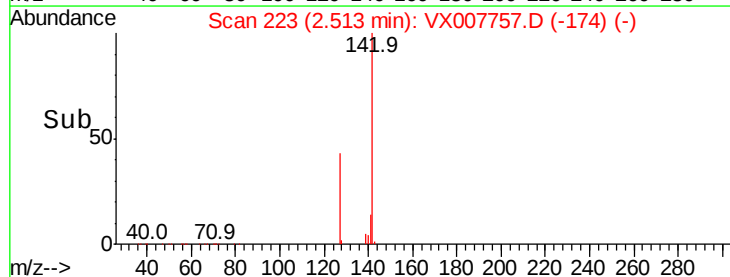
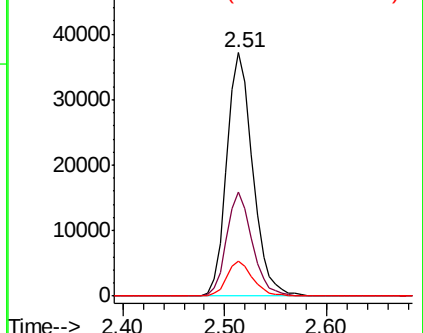
141 14.4 11.3 16.9

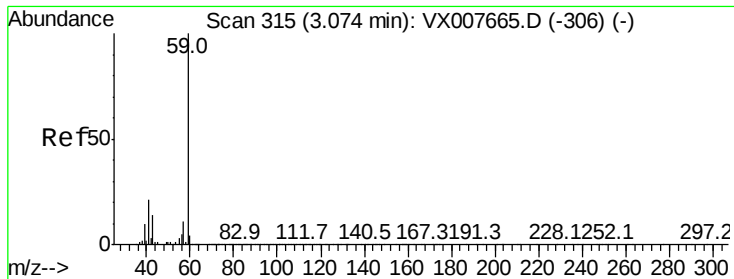


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



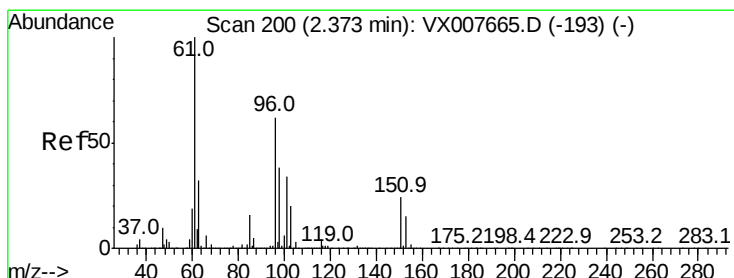
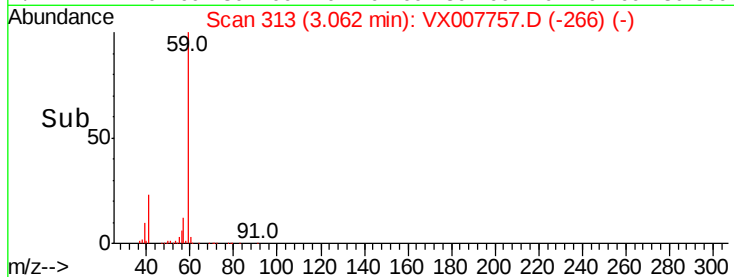
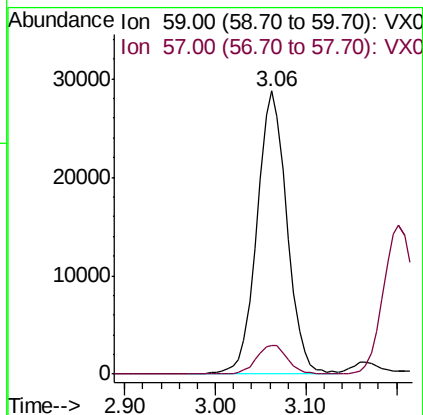
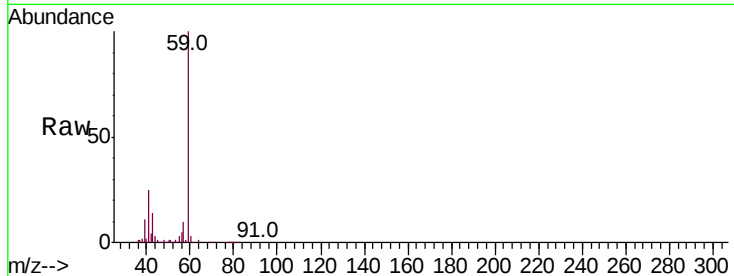


#11

Tert butyl alcohol
 Concen: 89.908 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

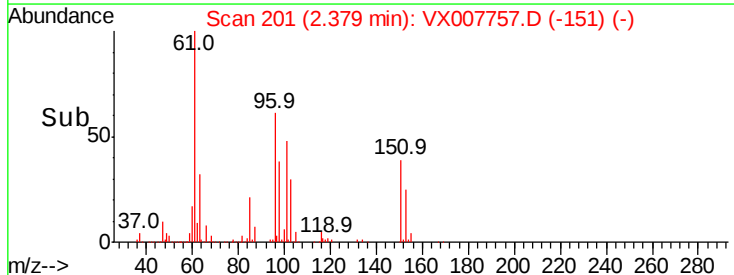
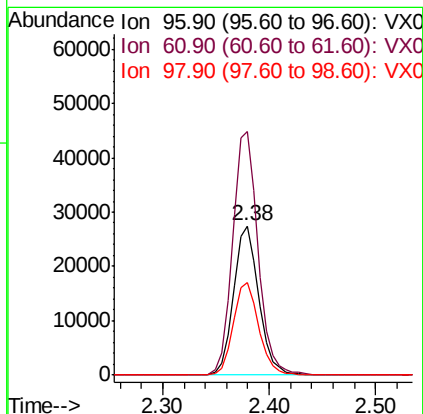
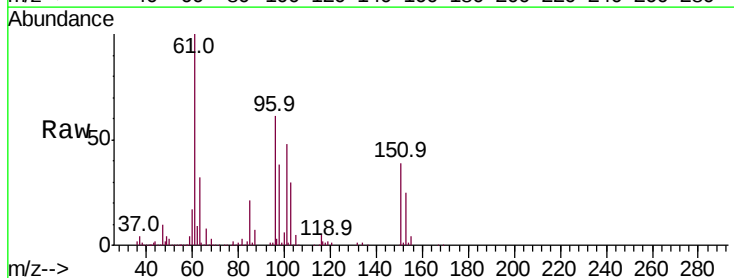
Tot Ion: 59 Resp: 65916
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.1 12.1

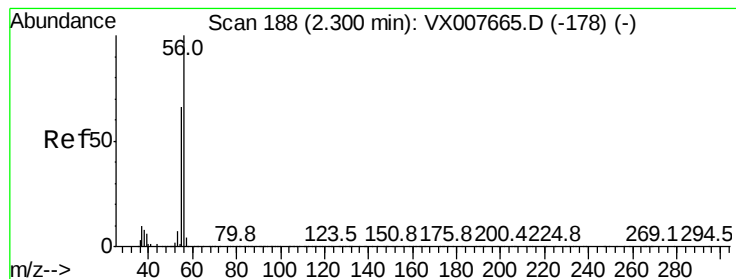


#12

1,1-Dichloroethene
 Concen: 16.746 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Tgt Ion: 96 Resp: 45695
 Ion Ratio Lower Upper
 96 100
 61 163.1 123.0 184.4
 98 62.2 50.9 76.3





#13

Acrolein

Concen: 80.700 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

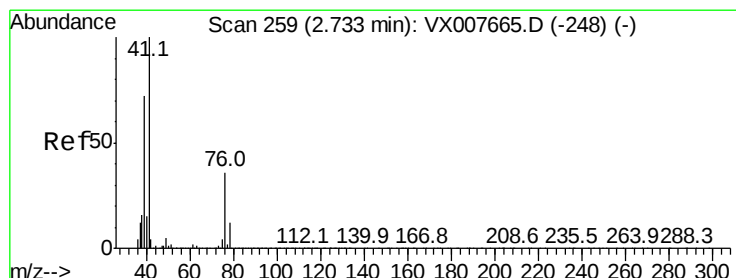
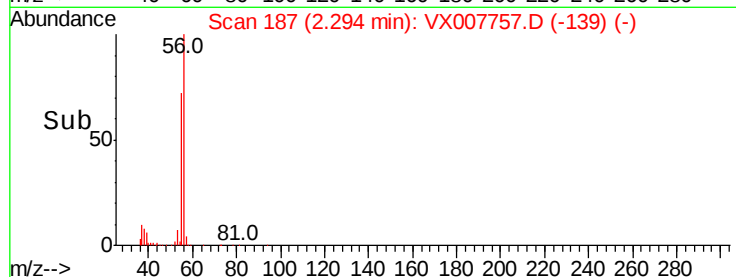
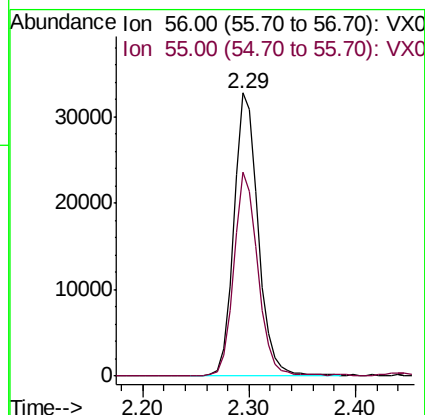
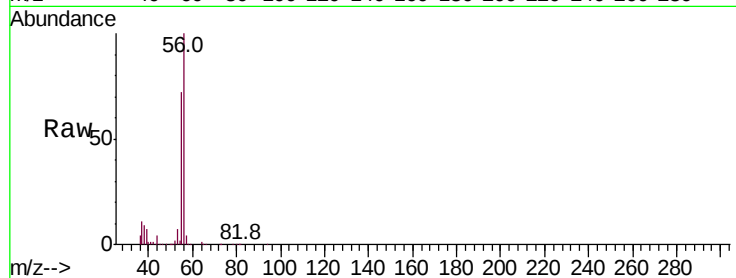
VX0228WBS01

Tot Ion: 56 Resp: 52575

Ion Ratio Lower Upper

56 100

55 70.4 56.9 85.3



#14

Allyl chloride

Concen: 18.276 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

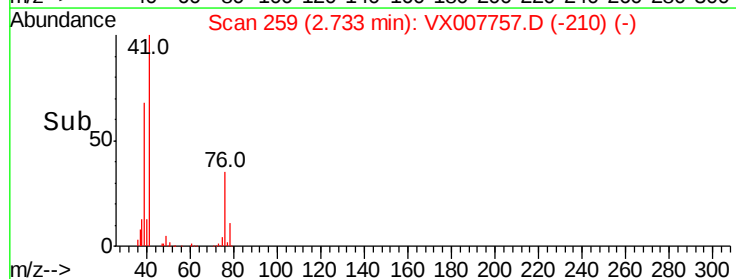
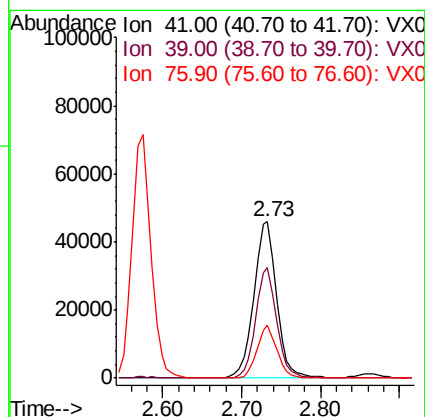
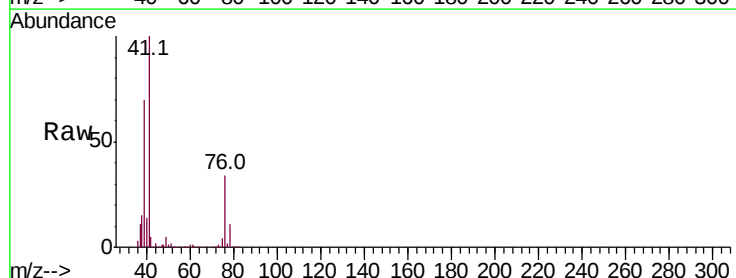
Tgt Ion: 41 Resp: 92210

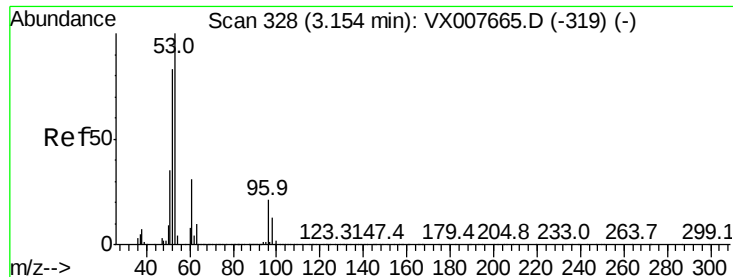
Ion Ratio Lower Upper

41 100

39 64.8 54.1 81.1

76 29.8 27.8 41.8





#15

Acrylonitrile

Concen: 90.907 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0228WBS01

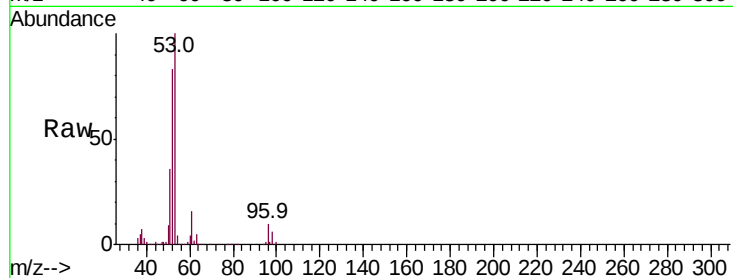
Tot Ion: 53 Resp: 156844

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

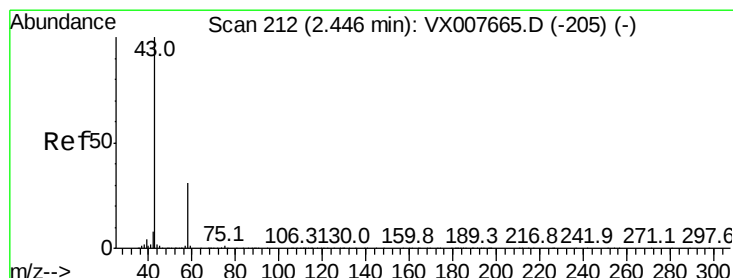
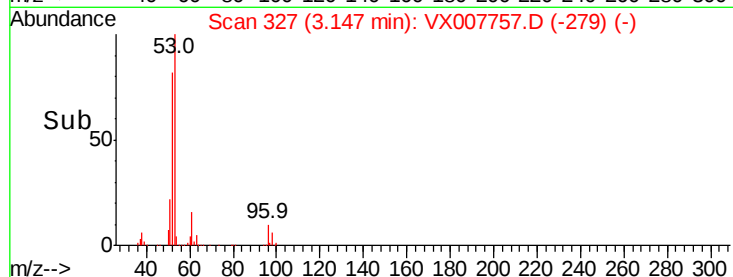
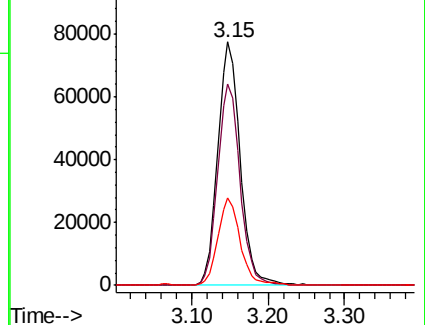
51 35.8 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 91.781 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007757.D

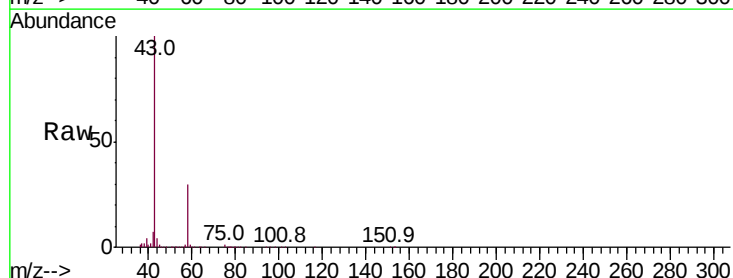
Acq: 28 Feb 2019 11:05

Tgt Ion: 43 Resp: 157712

Ion Ratio Lower Upper

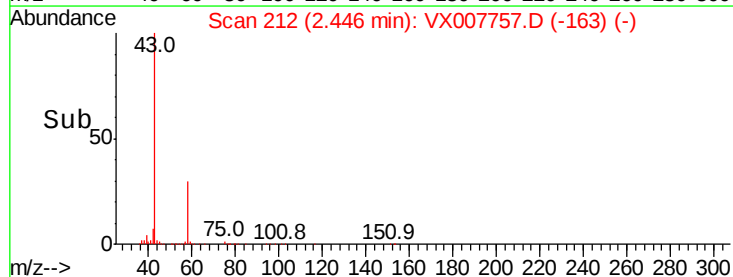
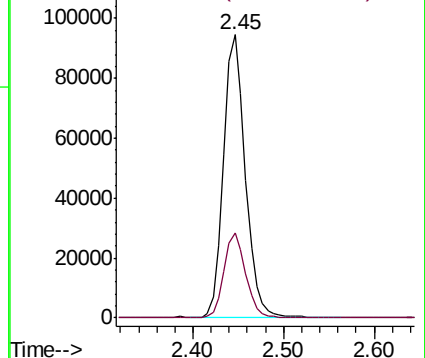
43 100

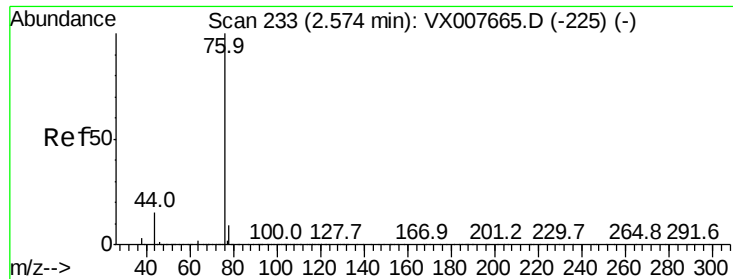
58 29.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.897 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

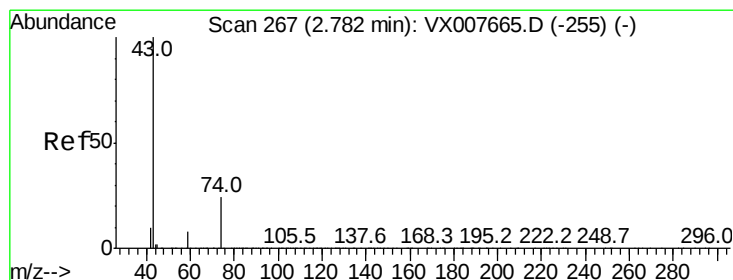
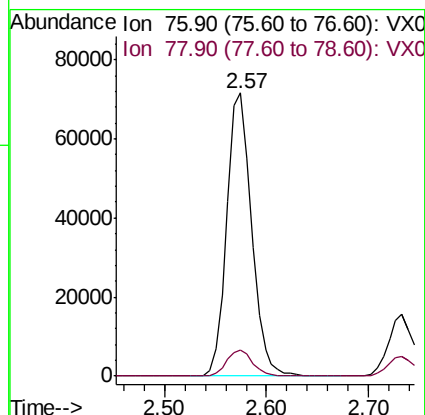
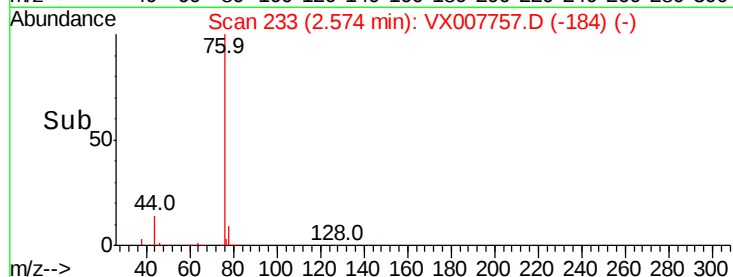
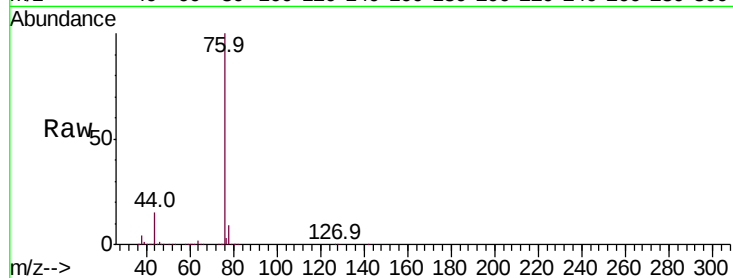
VX0228WBS01

Tot Ion: 76 Resp: 120679

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 19.133 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007757.D

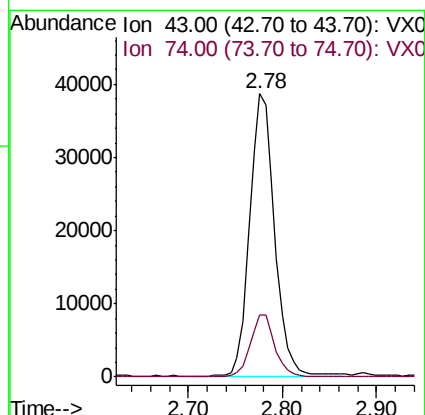
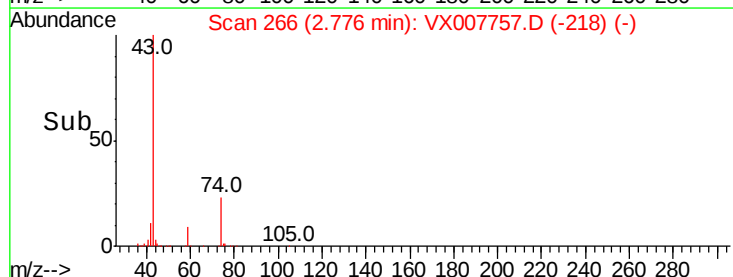
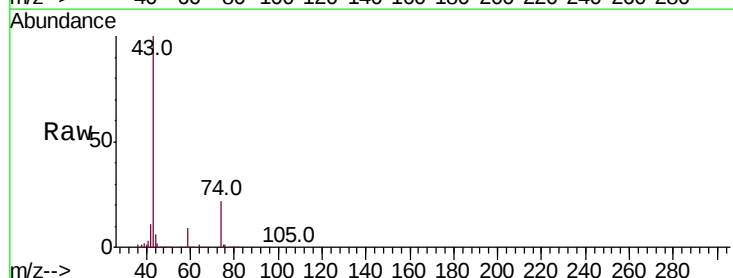
Acq: 28 Feb 2019 11:05

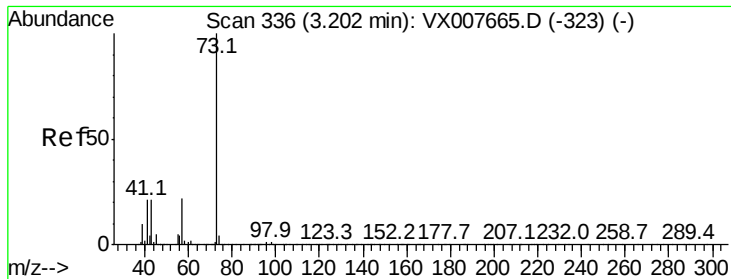
Tgt Ion: 43 Resp: 71743

Ion Ratio Lower Upper

43 100

74 21.9 19.4 29.2

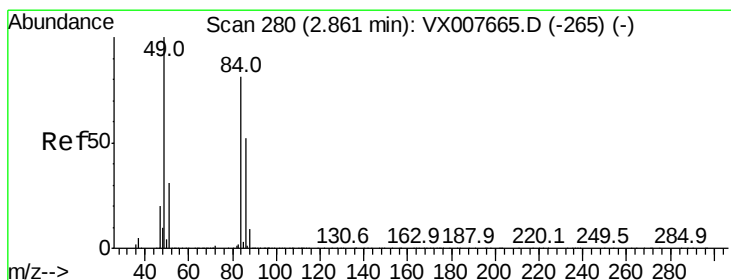
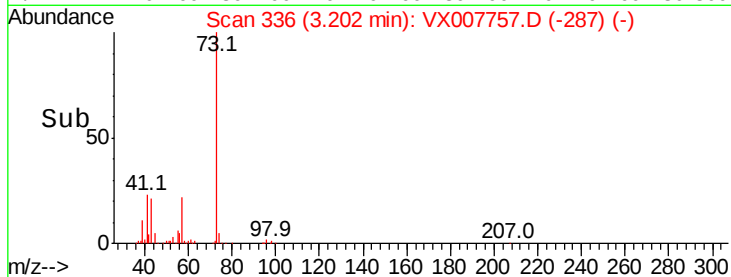
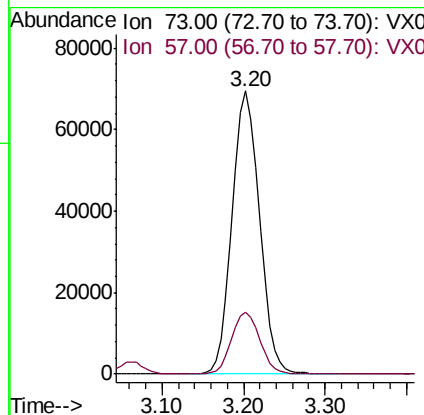
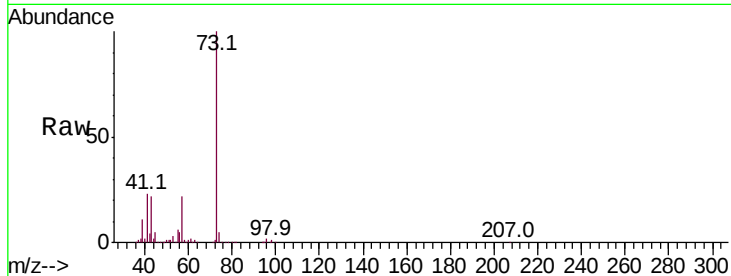




#19
Methyl tert-butyl Ether
Concen: 17.005 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

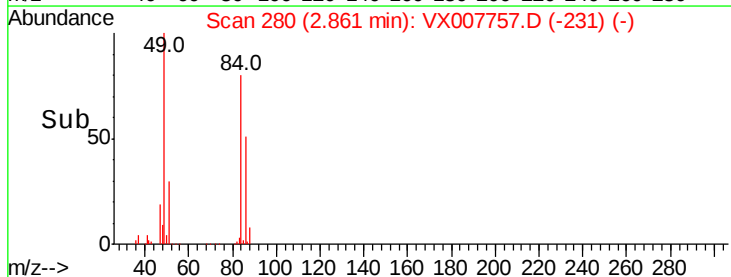
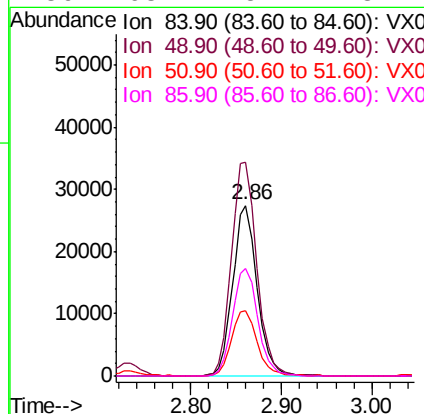
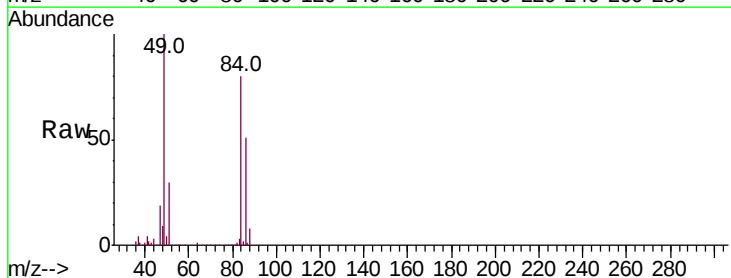
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

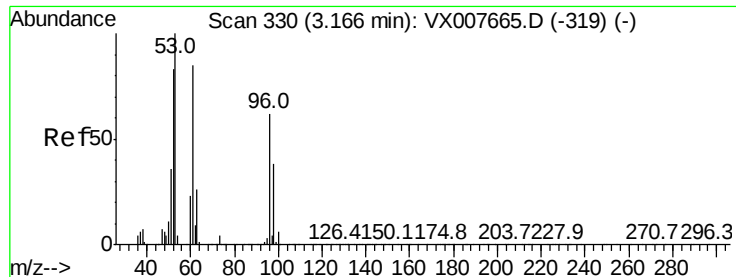
Tot Ion: 73 Resp: 161587
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8



#20
Methylene Chloride
Concen: 16.138 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion: 84 Resp: 51206
Ion Ratio Lower Upper
84 100
49 125.1 94.8 142.2
51 37.8 29.8 44.8
86 63.4 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 16.261 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

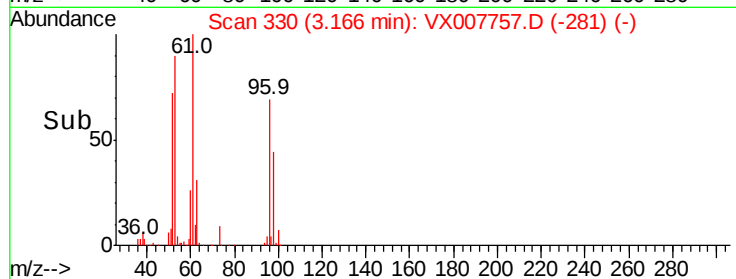
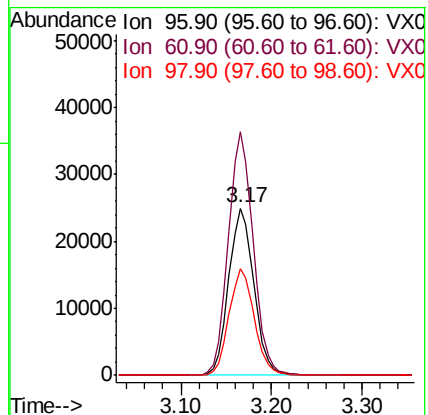
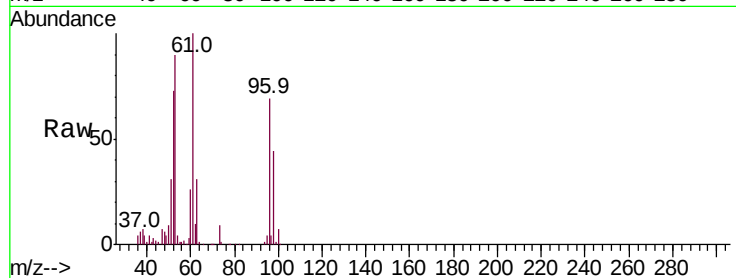
Tot Ion: 96 Resp: 48238

Ion Ratio Lower Upper

96 100

61 145.4 104.6 156.8

98 63.4 51.0 76.4



#22

Diisopropyl ether

Concen: 17.813 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Tgt Ion: 45 Resp: 187089

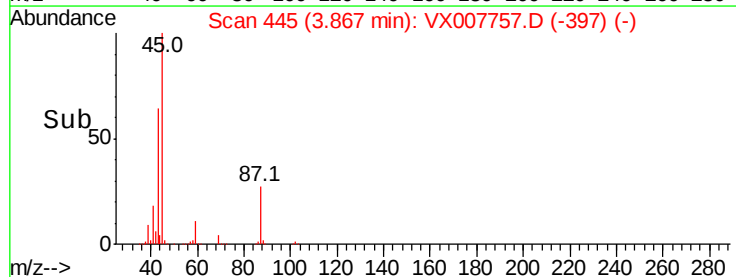
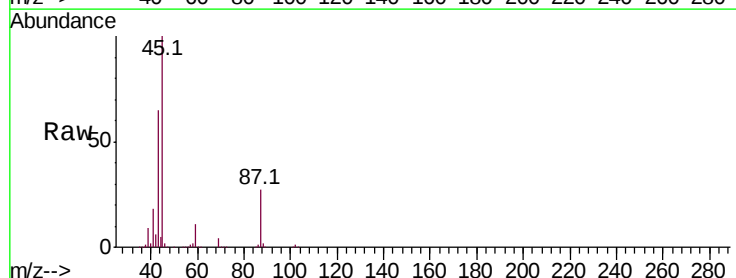
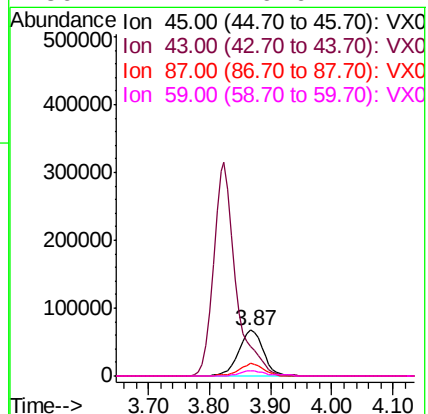
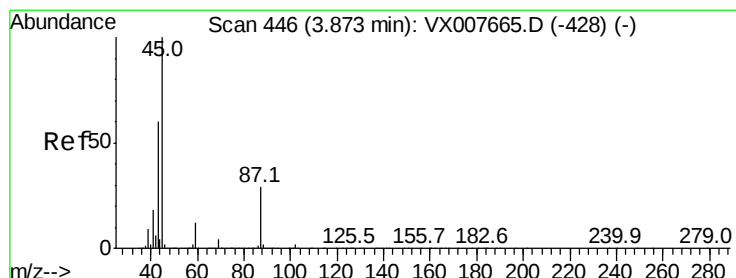
Ion Ratio Lower Upper

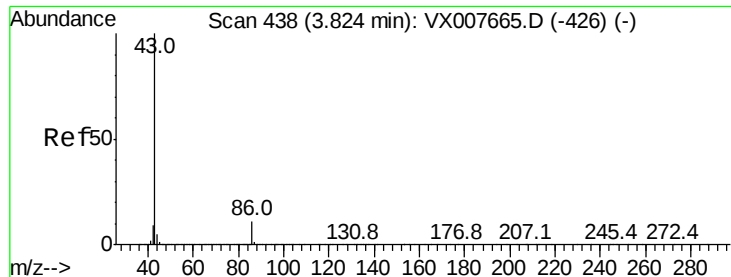
45 100

43 64.4 48.9 73.3

87 27.3 23.9 35.9

59 11.4 9.6 14.4





#23

Vinyl Acetate

Concen: 87.540 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

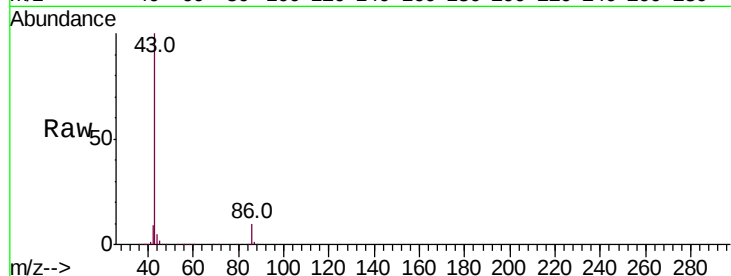
VX0228WBS01

Tot Ion: 43 Resp: 806672

Ion Ratio Lower Upper

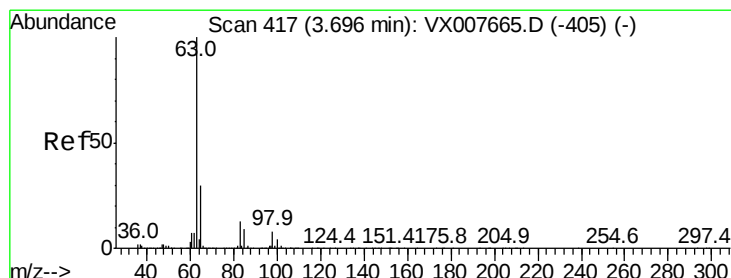
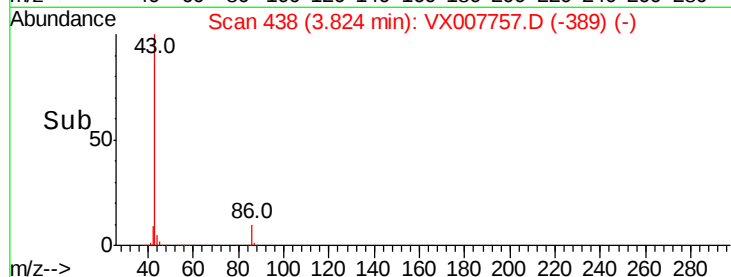
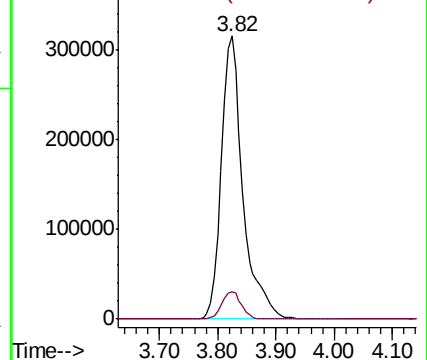
43 100

86 9.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 16.442 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

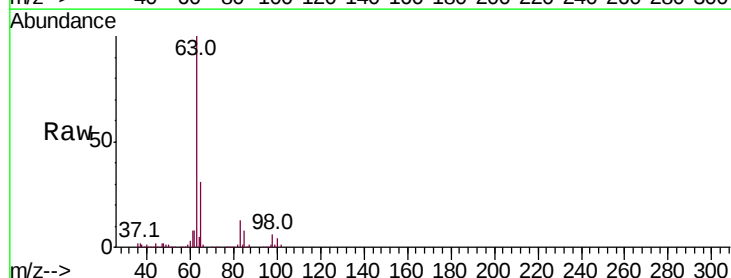
Tgt Ion: 63 Resp: 93855

Ion Ratio Lower Upper

63 100

98 5.7 3.6 10.8

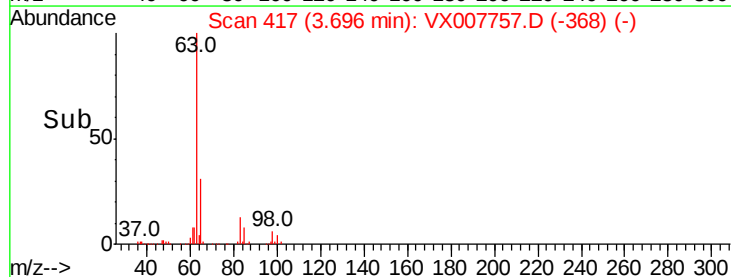
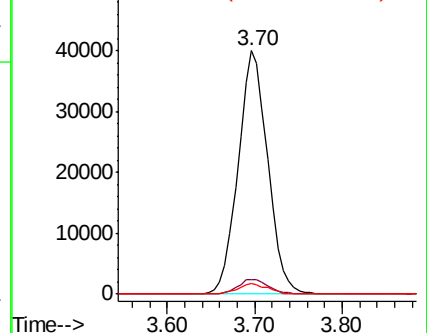
100 4.3 2.5 7.4

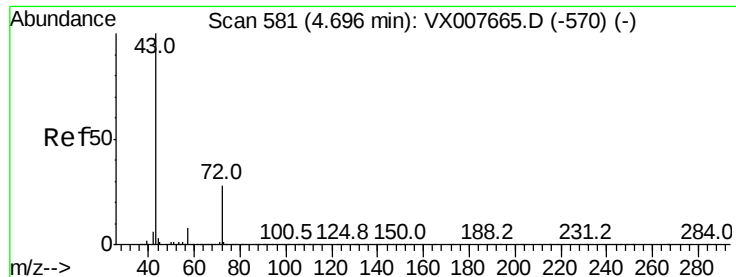


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 93.211 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

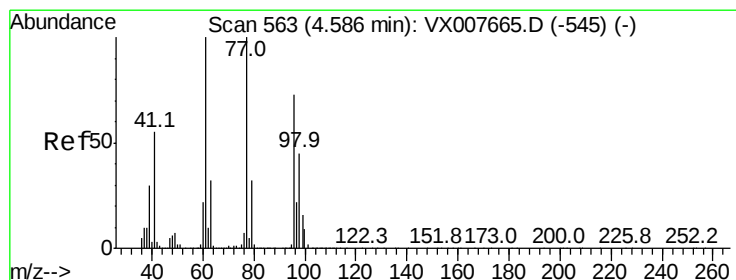
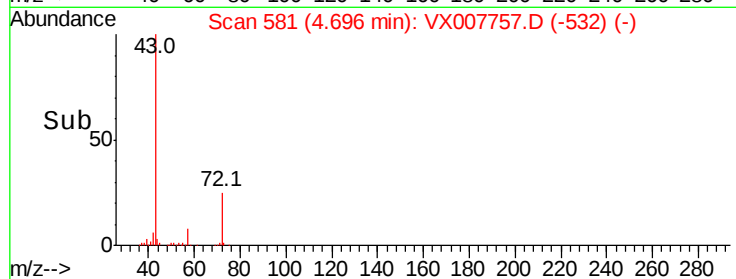
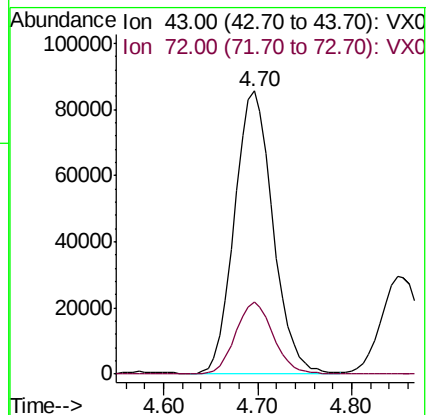
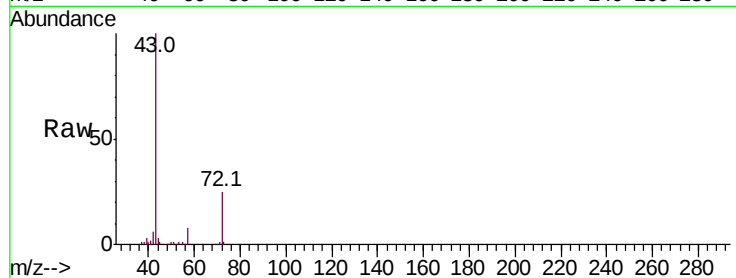
VX0228WBS01

Tot Ion: 43 Resp: 243981

Ion Ratio Lower Upper

43 100

72 25.3 22.2 33.2



#26

2,2-Dichloropropane

Concen: 16.429 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007757.D

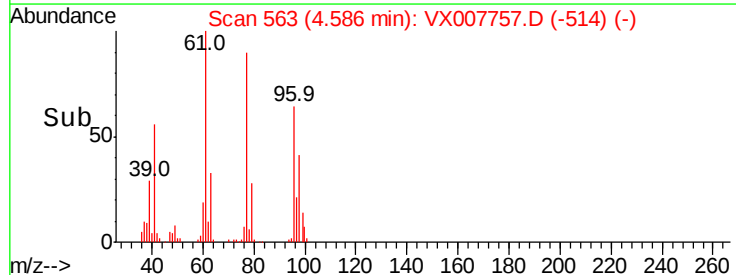
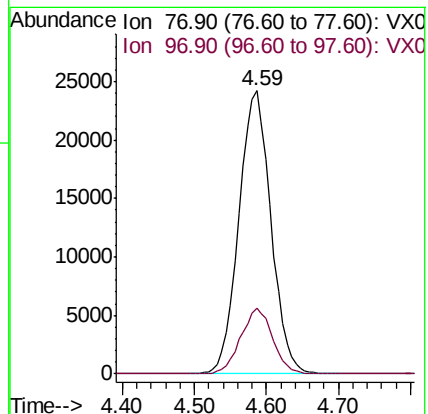
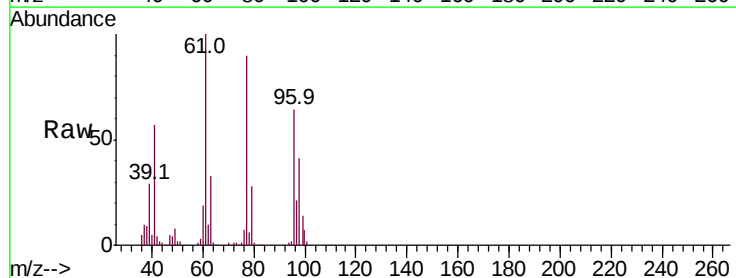
Acq: 28 Feb 2019 11:05

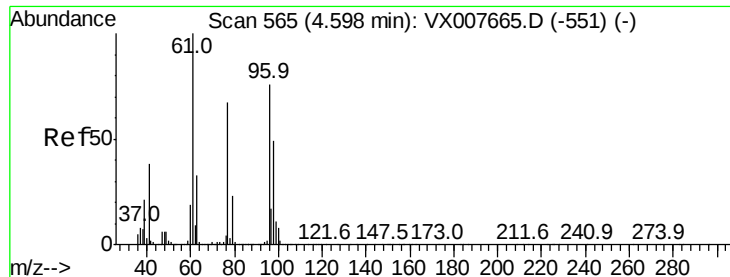
Tgt Ion: 77 Resp: 74860

Ion Ratio Lower Upper

77 100

97 23.1 12.1 36.3



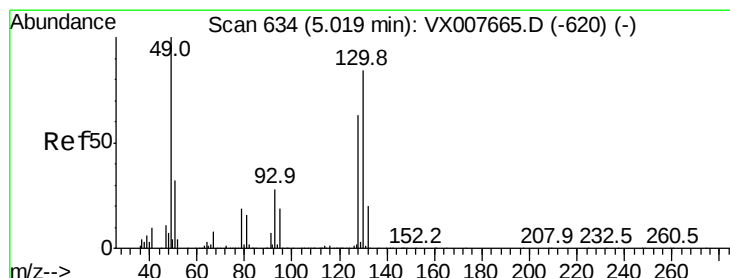
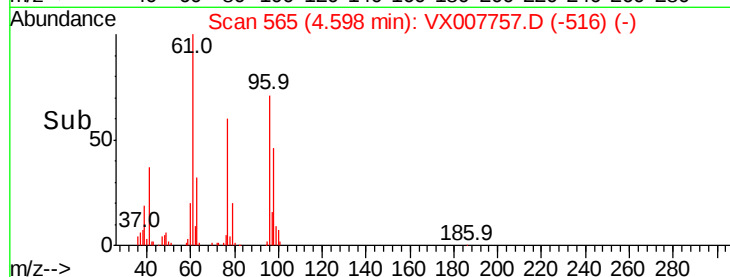
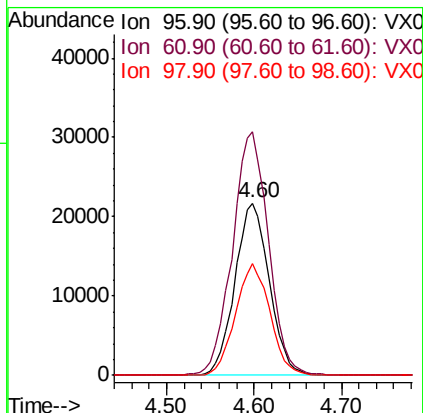
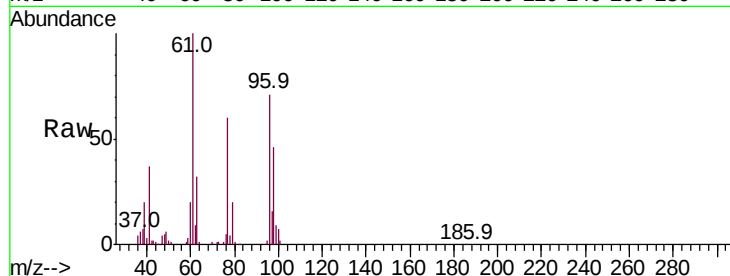


#27

cis-1,2-Dichloroethene
 Concen: 15.723 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

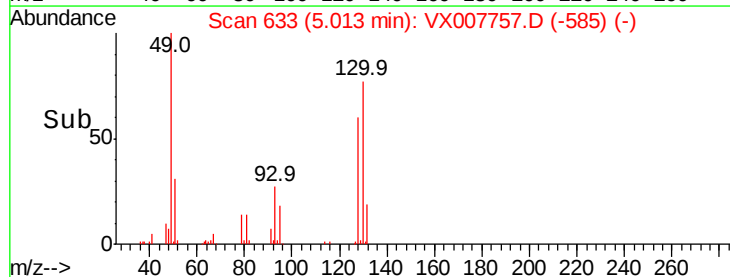
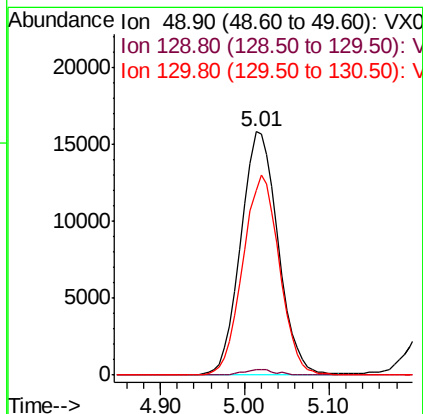
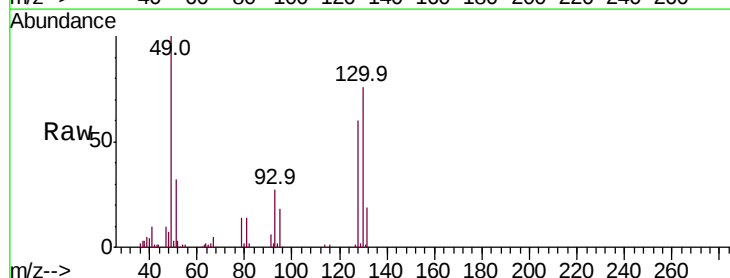
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	265.6
98	65.0	0.0	131.6

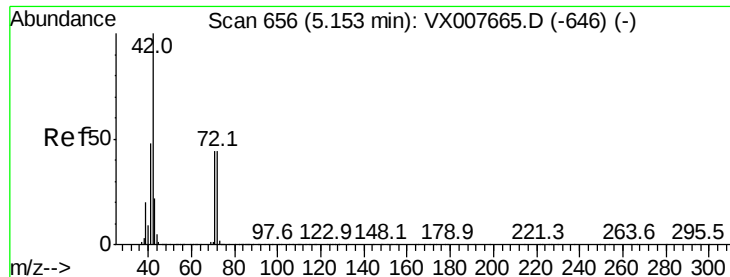


#28

Bromochloromethane
 Concen: 17.149 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.6
130	80.7	75.6	113.4





#29

Tetrahydrofuran

Concen: 90.445 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

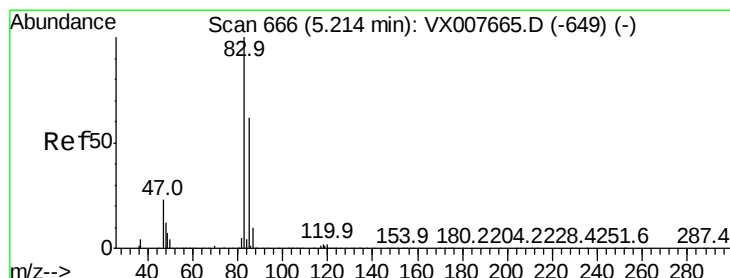
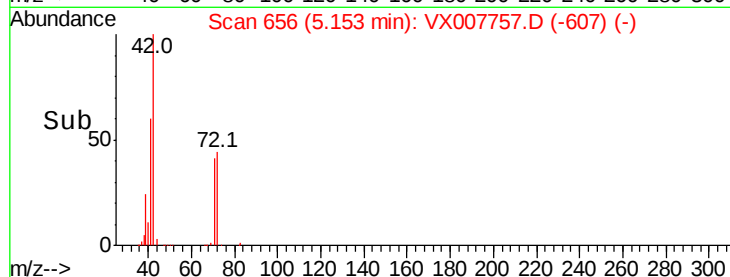
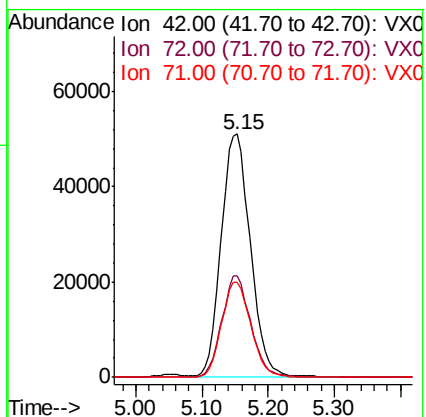
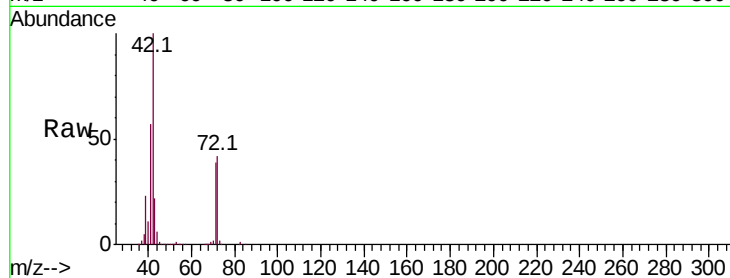
Tot Ion: 42 Resp: 156053

Ion Ratio Lower Upper

42 100

72 41.5 37.6 56.4

71 39.1 34.6 51.8



#30

Chloroform

Concen: 16.560 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007757.D

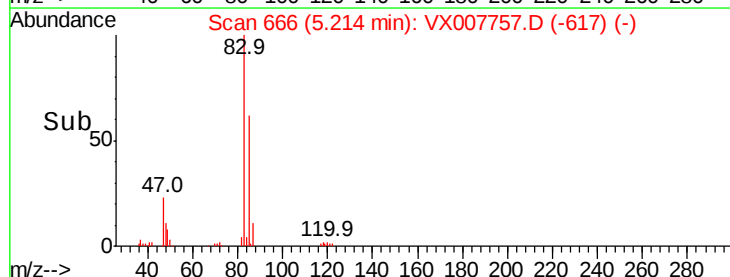
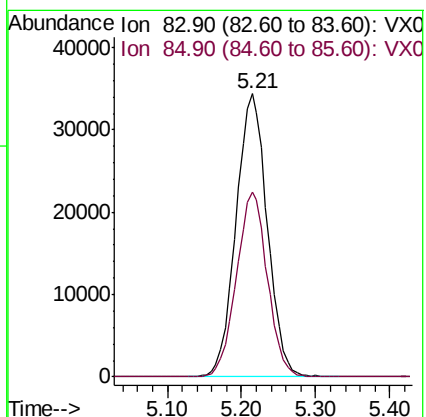
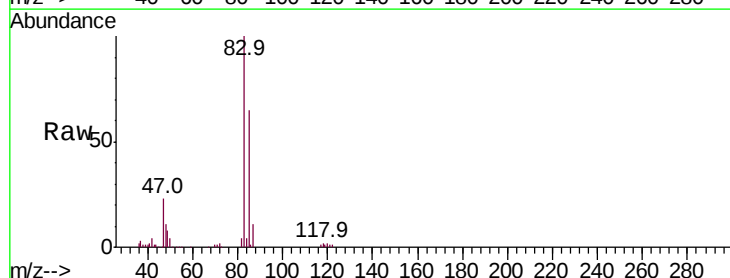
Acq: 28 Feb 2019 11:05

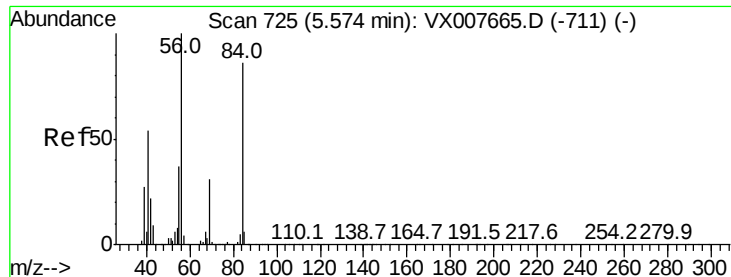
Tgt Ion: 83 Resp: 101257

Ion Ratio Lower Upper

83 100

85 65.3 51.6 77.4





#31

Cyclohexane

Concen: 17.162 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

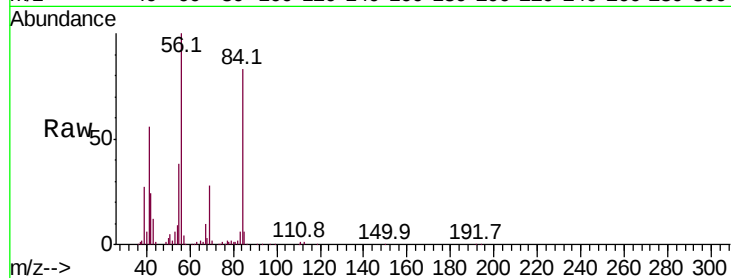
Tot Ion: 56 Resp: 92147

Ion Ratio Lower Upper

56 100

69 28.5 23.0 34.6

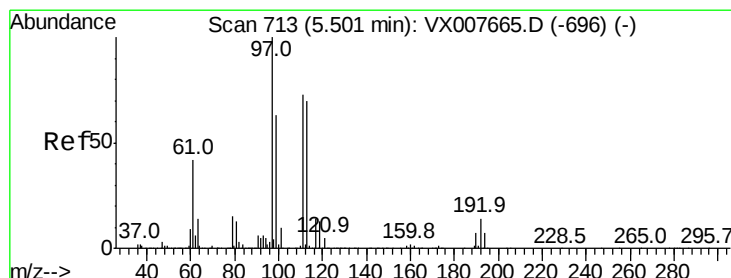
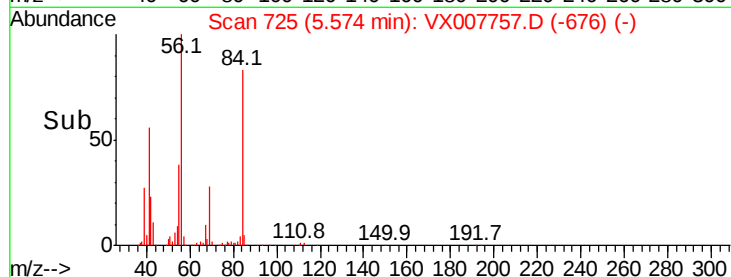
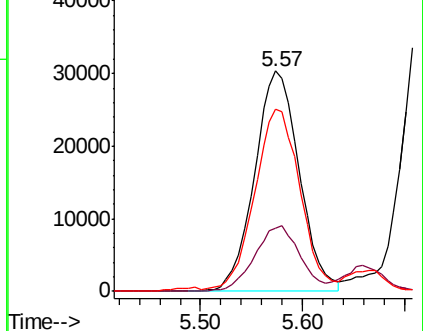
84 81.6 69.8 104.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 16.742 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

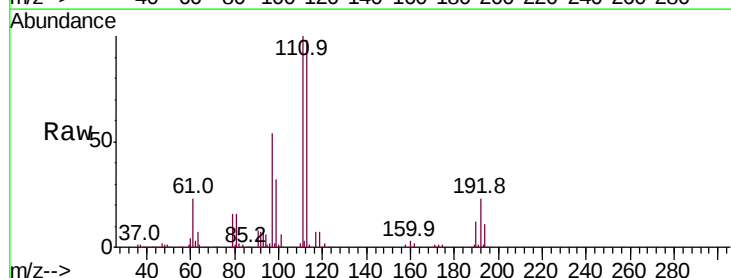
Tgt Ion: 97 Resp: 84659

Ion Ratio Lower Upper

97 100

99 64.8 52.2 78.2

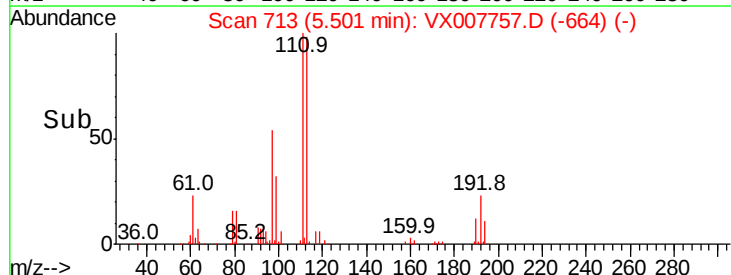
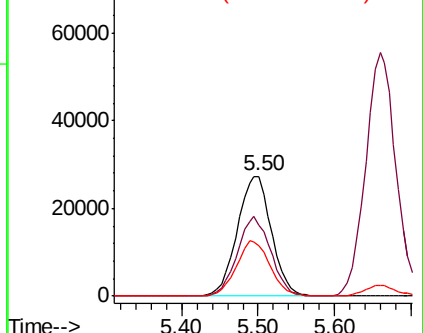
61 45.6 32.7 49.1

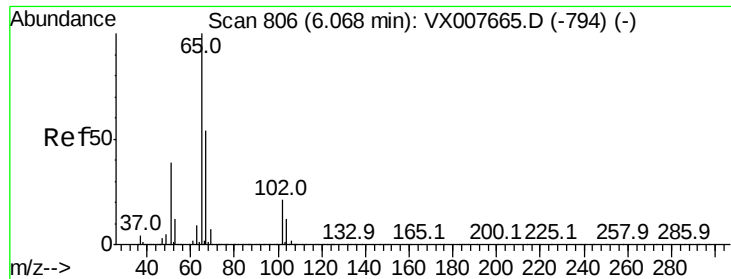


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.519 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

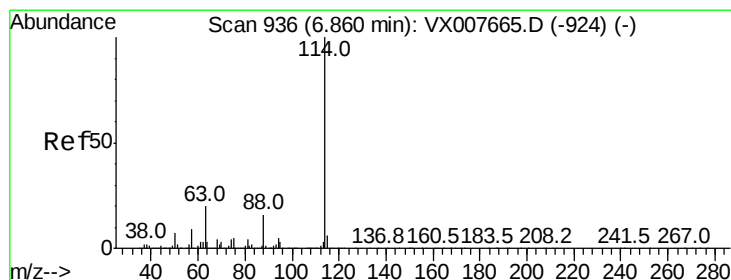
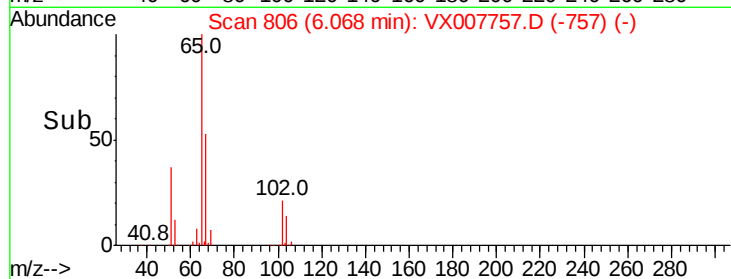
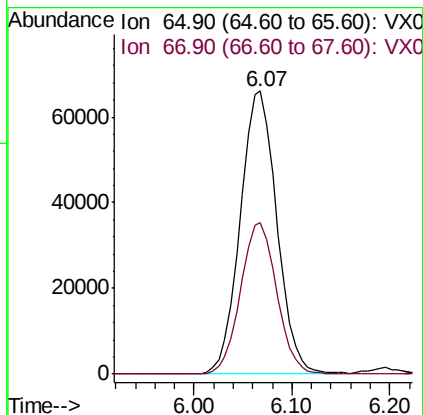
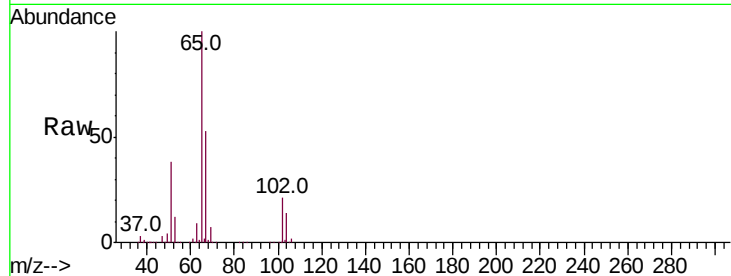
VX0228WBS01

Tot Ion: 65 Resp: 172026

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

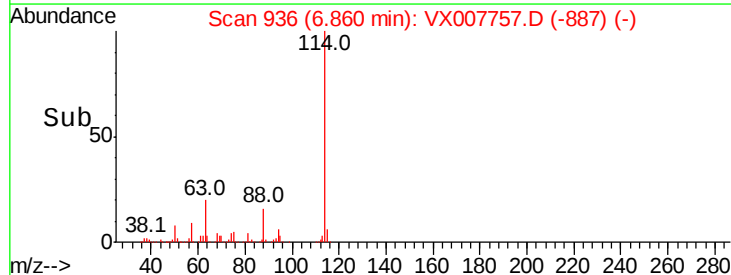
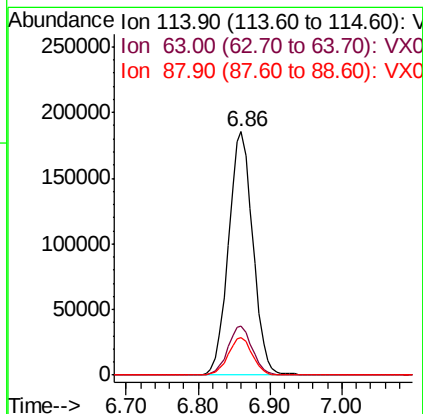
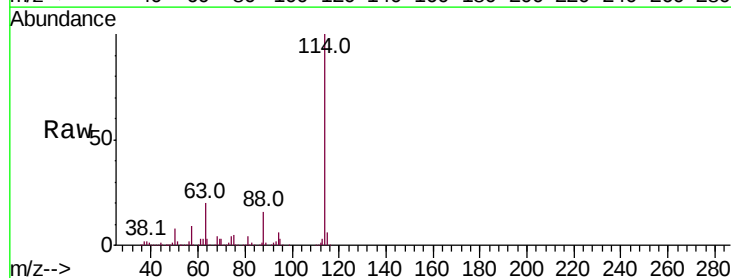
Tgt Ion: 114 Resp: 436919

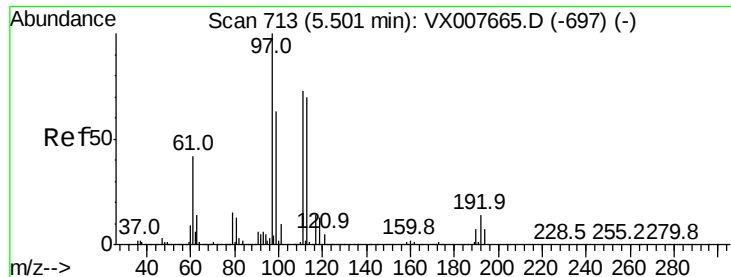
Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.6

88 15.5 0.0 29.6

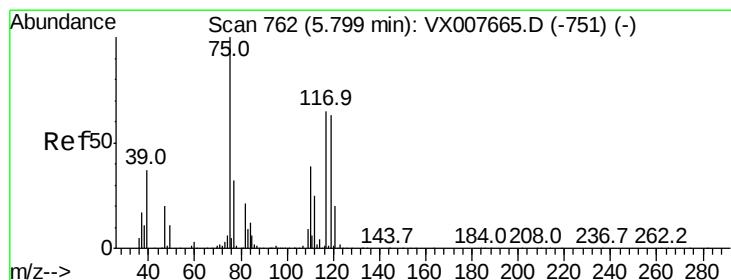
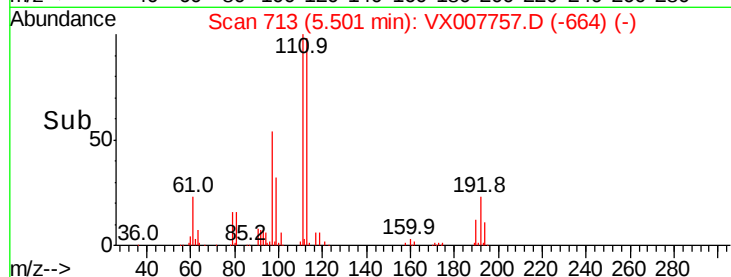
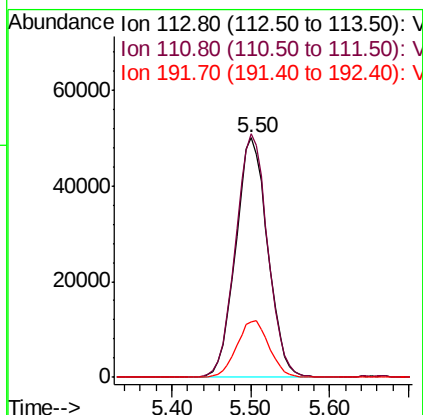
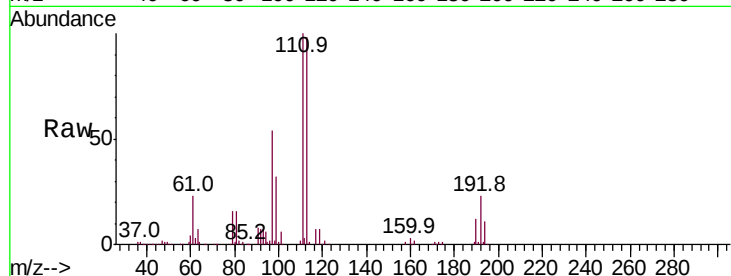




#35
 Dibromofluoromethane
 Concen: 48.403 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

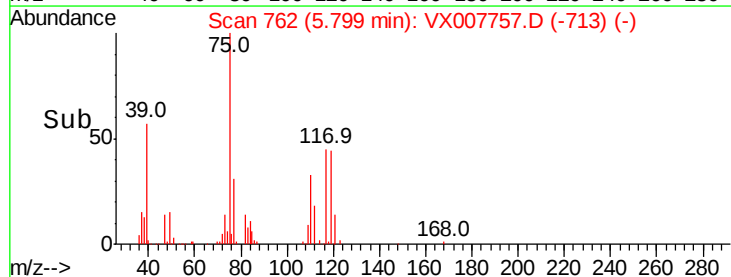
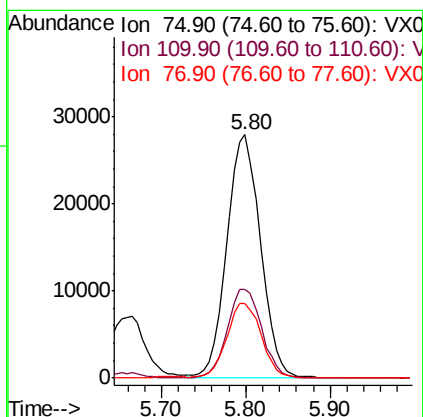
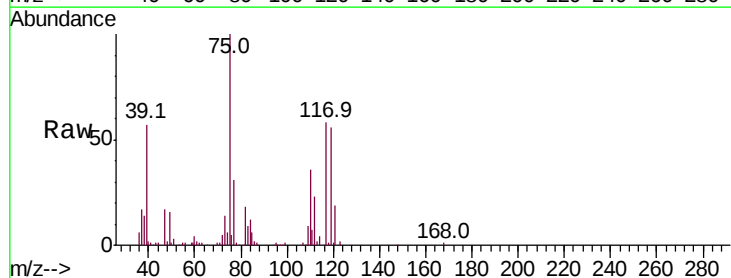
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

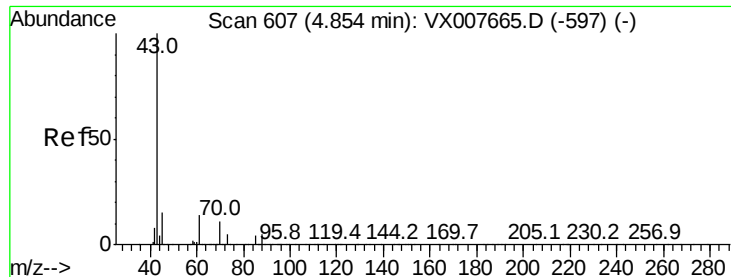
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	23.9	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 19.175 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	20.0	59.9
77	31.9	24.7	37.1





#37

Ethyl Acetate

Concen: 20.247 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0228WBS01

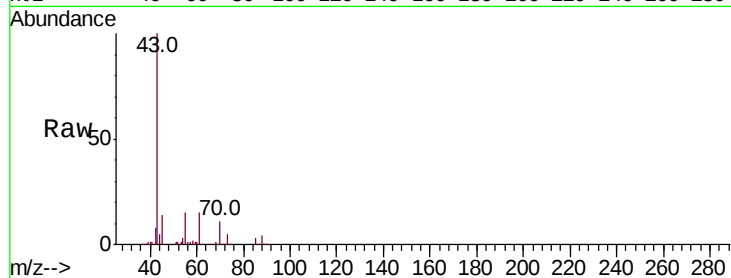
Tot Ion: 43 Resp: 88345

Ion Ratio Lower Upper

43 100

61 14.2 11.3 16.9

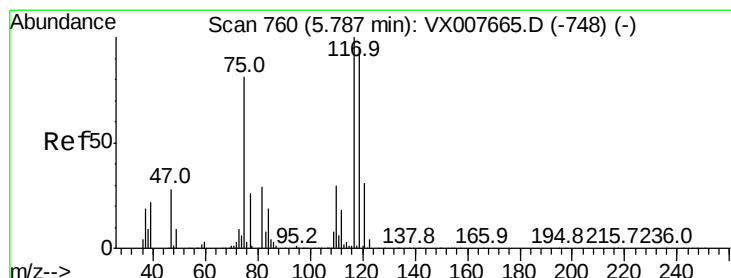
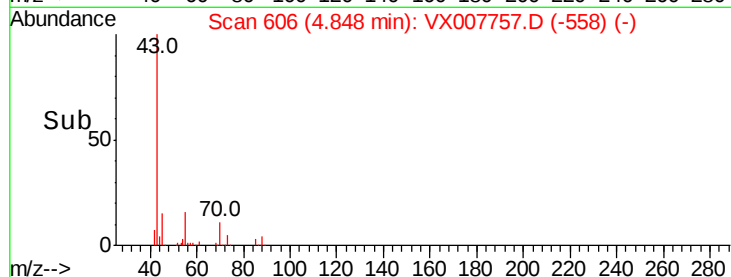
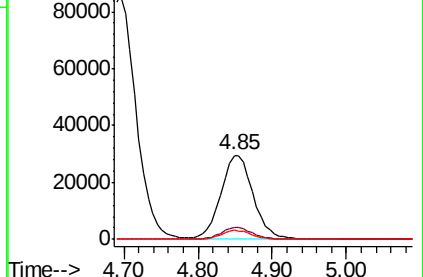
70 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.497 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

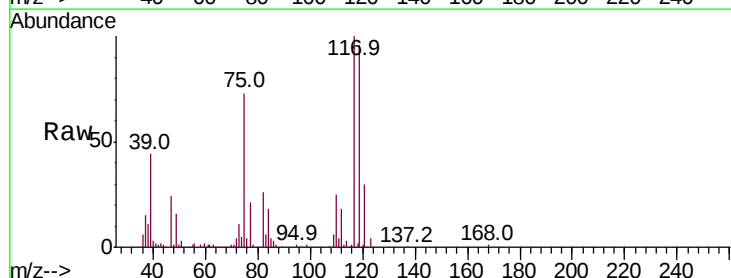
Tgt Ion: 117 Resp: 72984

Ion Ratio Lower Upper

117 100

119 96.1 75.3 112.9

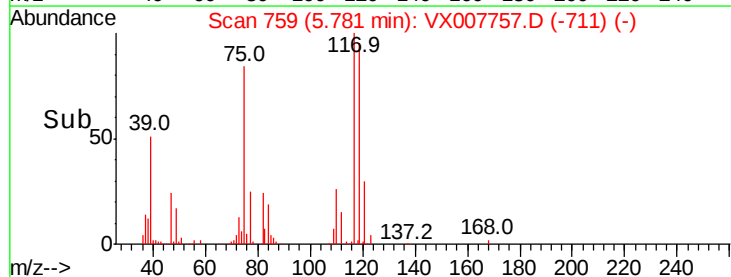
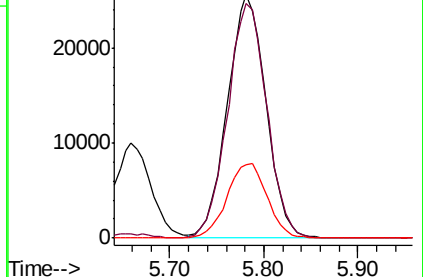
121 30.3 25.0 37.4

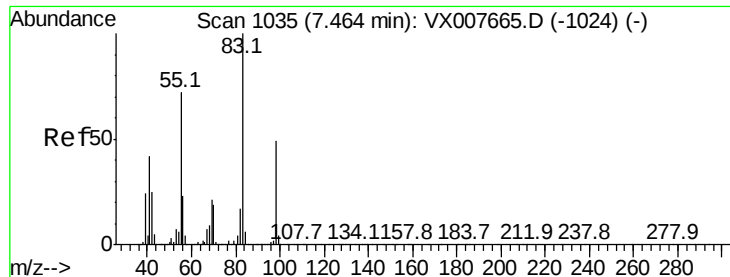


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

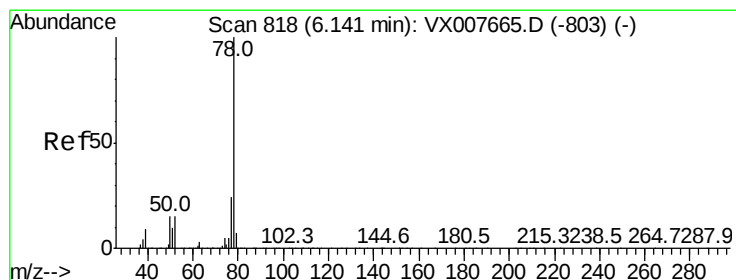
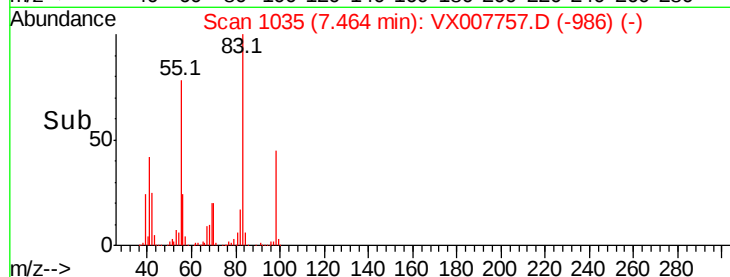
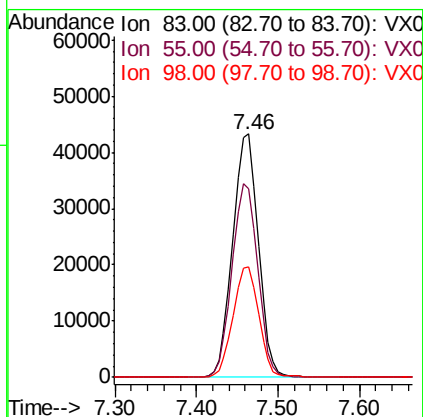
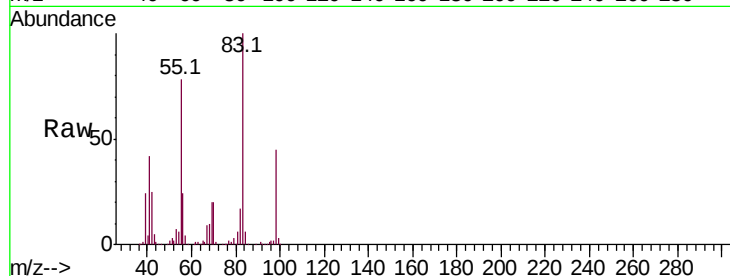




#39
Methvlcvclohexane
Concen: 18.961 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

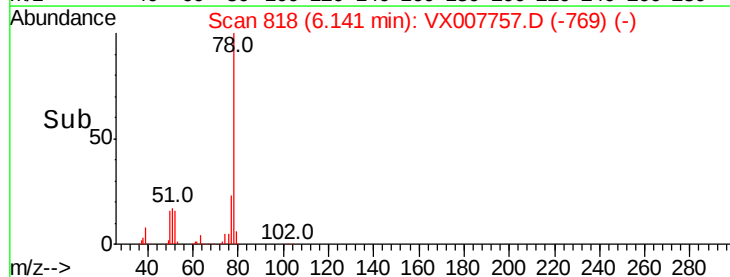
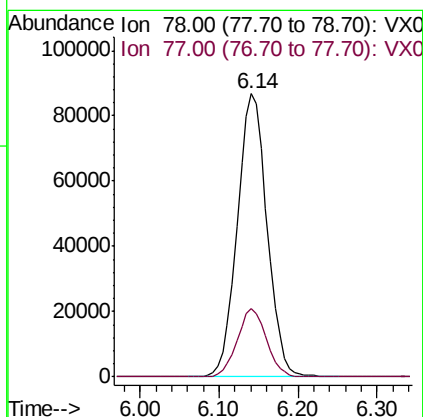
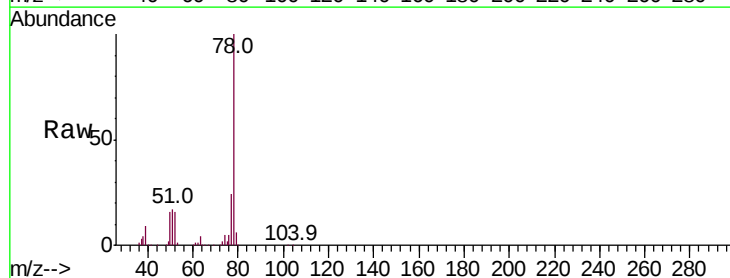
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

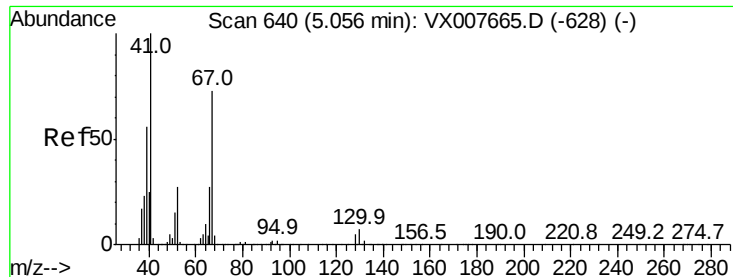
Tot Ion	83	Resp	94131
Ion Ratio	100	Lower	Upper
55	77.6	56.2	84.2
98	45.2	36.8	55.2



#40
Benzene
Concen: 18.796 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion	78	Resp	227917
Ion Ratio	100	Lower	Upper
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 21.308 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tot Ion: 41 Resp: 49648

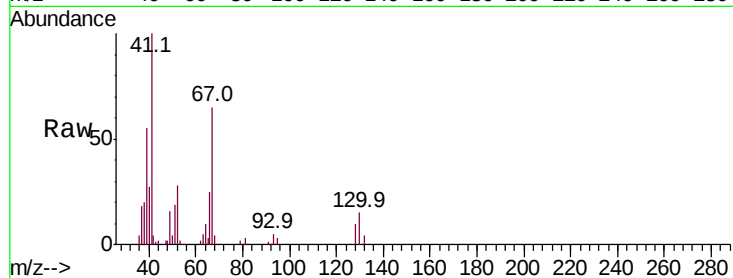
Ion Ratio Lower Upper

41 100

39 56.1 44.5 66.7

67 67.8 60.4 90.6

52 28.3 24.1 36.1

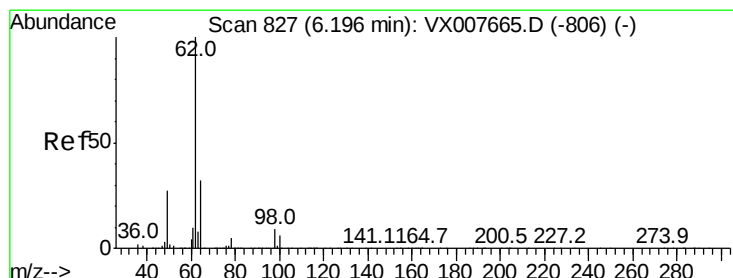
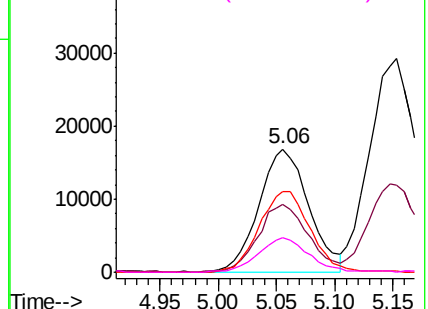
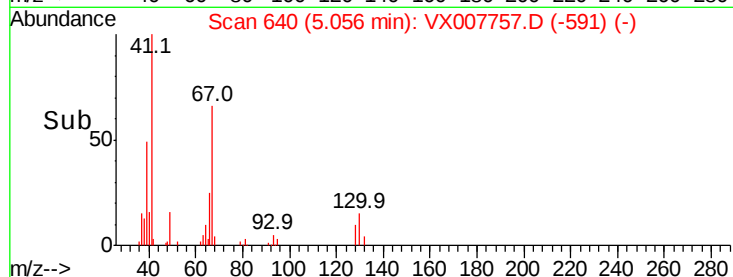


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.119 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007757.D

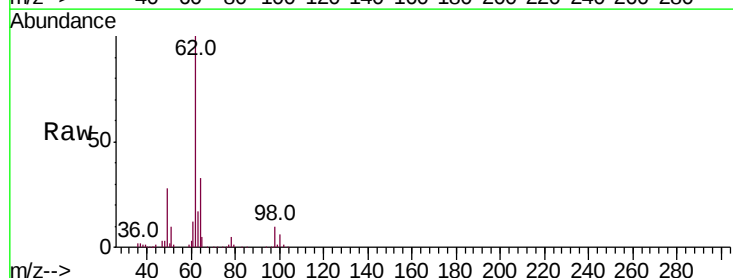
Acq: 28 Feb 2019 11:05

Tgt Ion: 62 Resp: 81997

Ion Ratio Lower Upper

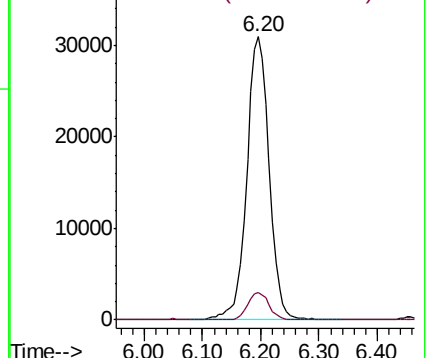
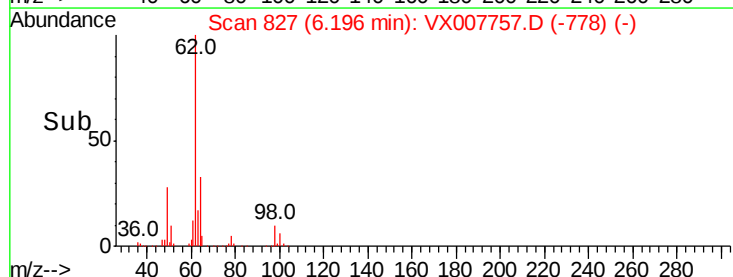
62 100

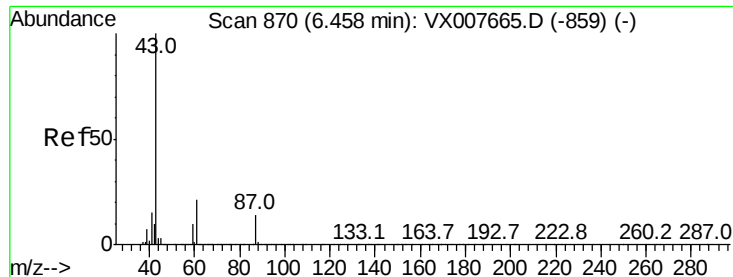
98 9.2 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



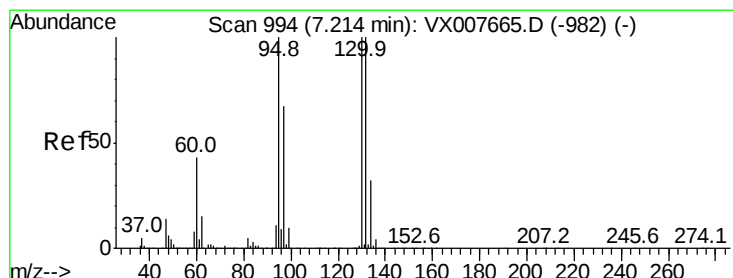
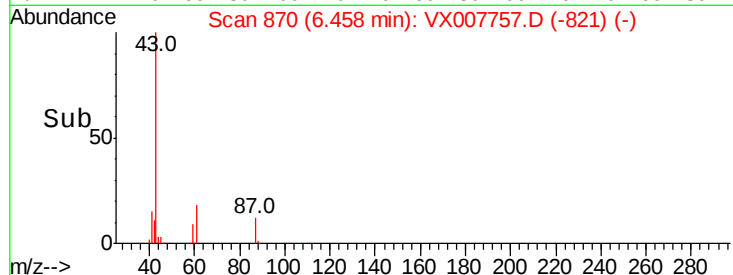
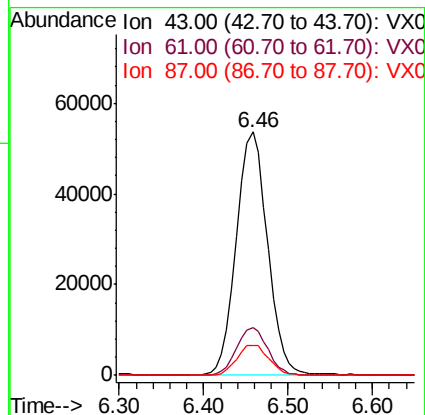
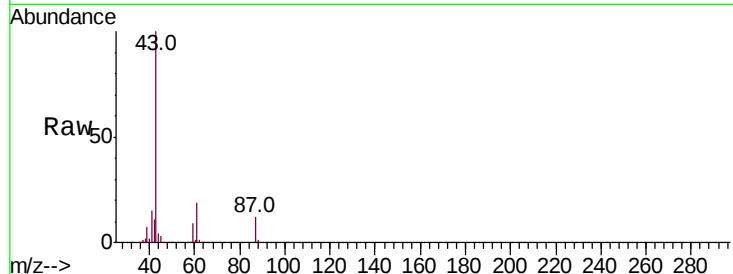


#43

Isopropyl Acetate
 Concen: 19.924 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0228WBS01

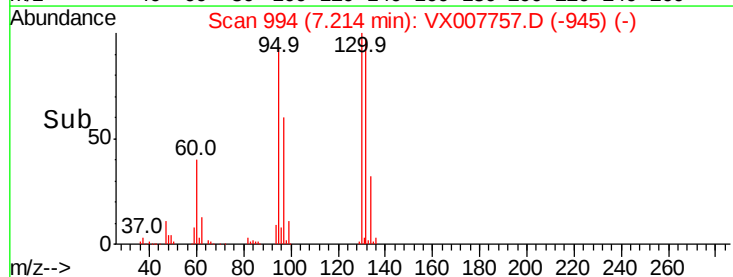
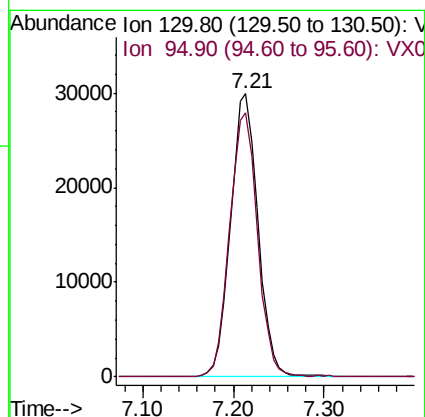
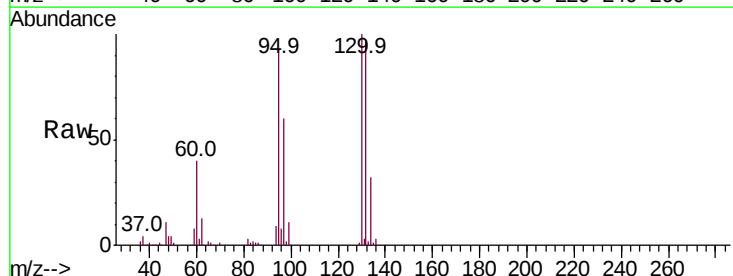
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	12.9	11.5	17.3

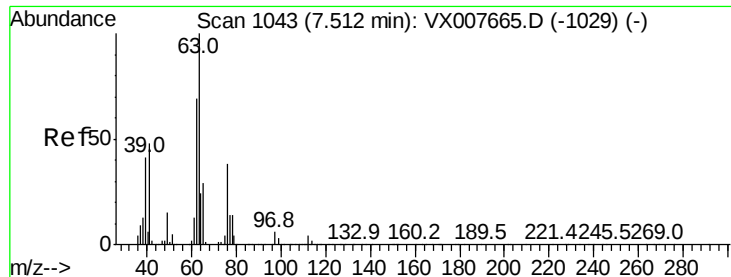


#44

Trichloroethene
 Concen: 18.875 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.321 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

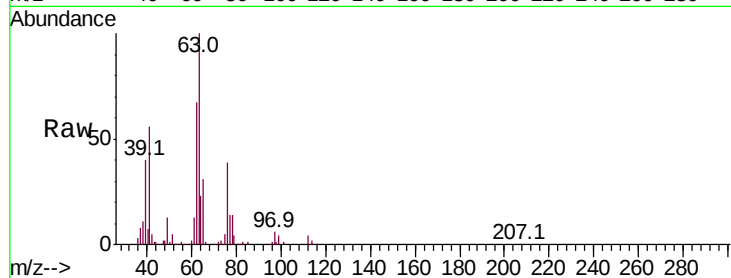
VX0228WBS01

Tot Ion: 63 Resp: 60689

Ion Ratio Lower Upper

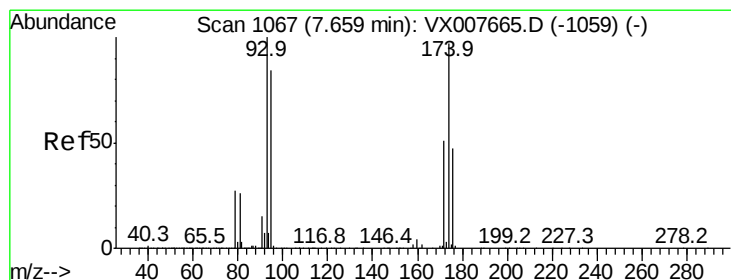
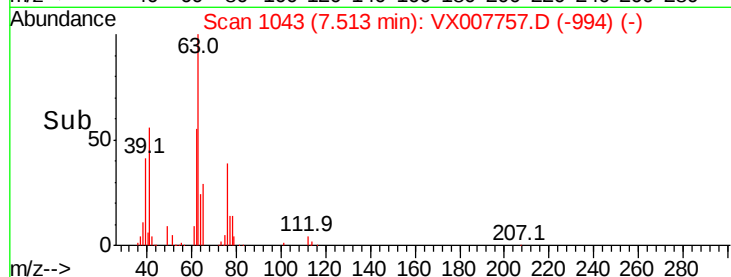
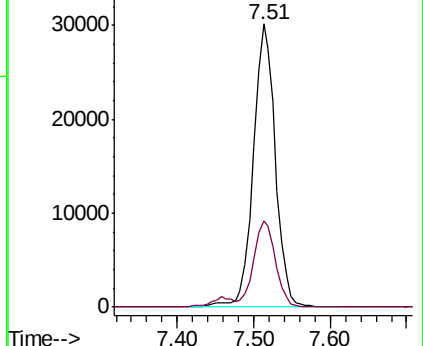
63 100

65 30.7 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.607 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

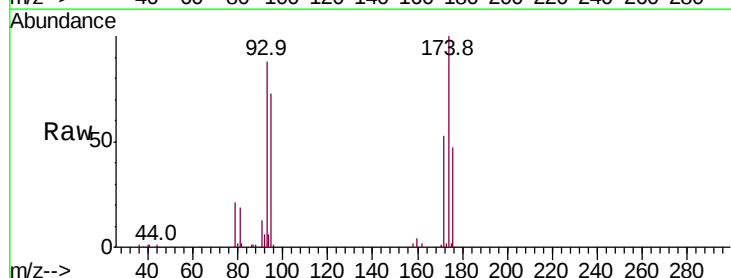
Tgt Ion: 93 Resp: 38582

Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

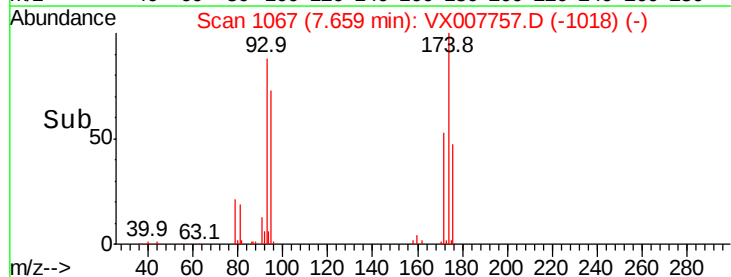
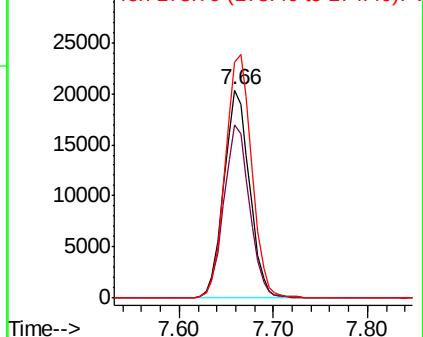
174 120.1 94.2 141.4

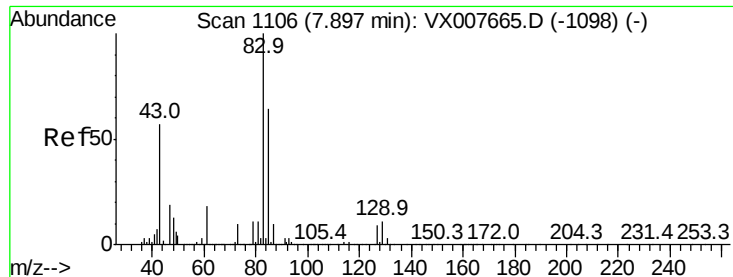


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.637 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

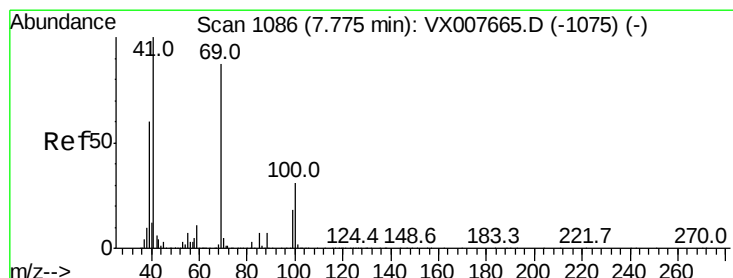
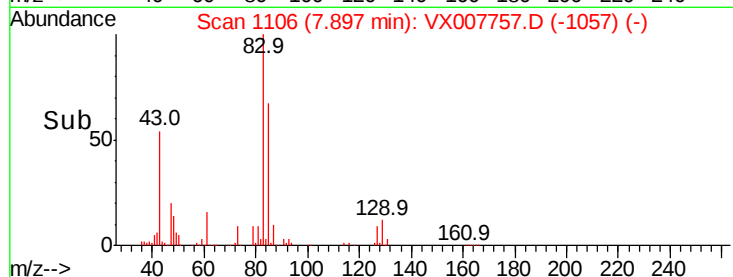
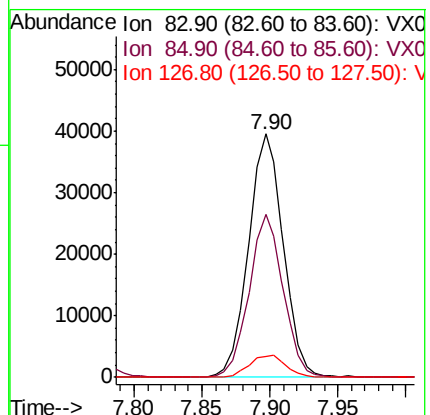
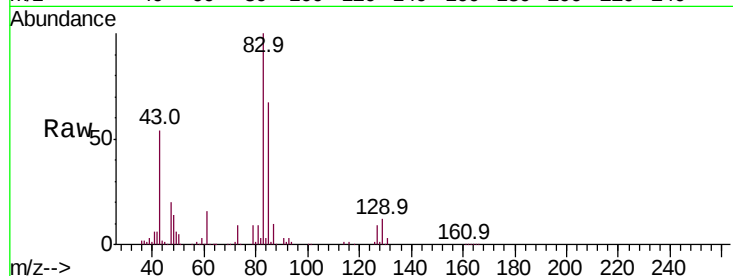
Tot Ion: 83 Resp: 70775

Ion Ratio Lower Upper

83 100

85 66.7 51.4 77.0

127 8.8 8.1 12.1



#48

Methyl methacrylate

Concen: 20.213 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

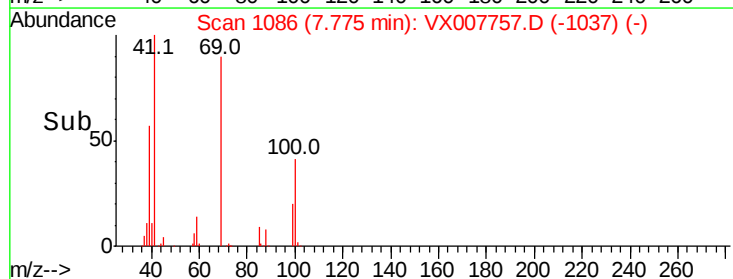
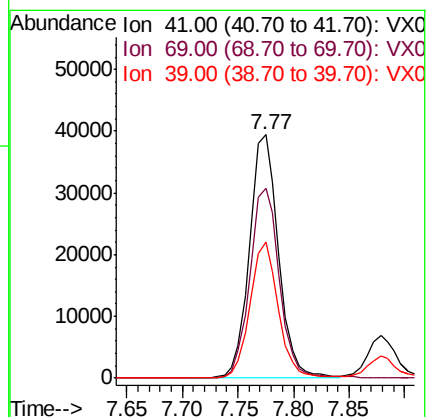
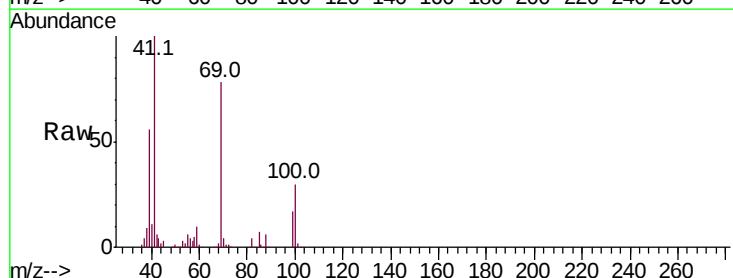
Tgt Ion: 41 Resp: 71152

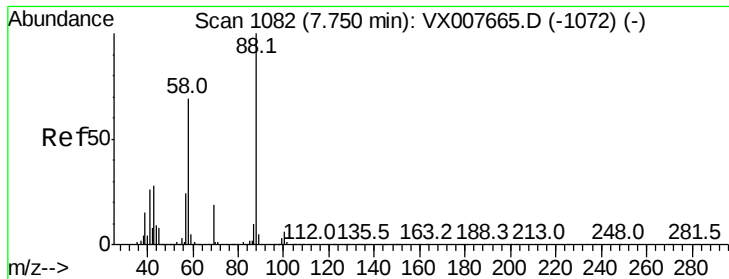
Ion Ratio Lower Upper

41 100

69 80.5 70.2 105.4

39 54.3 47.4 71.0

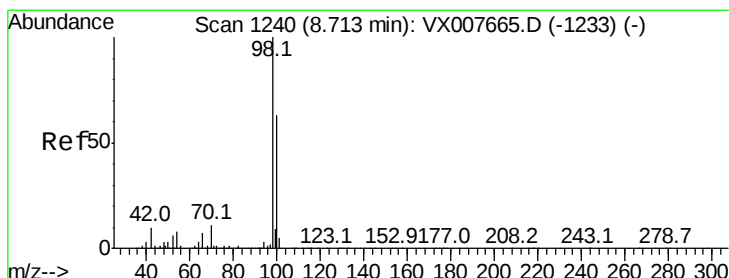
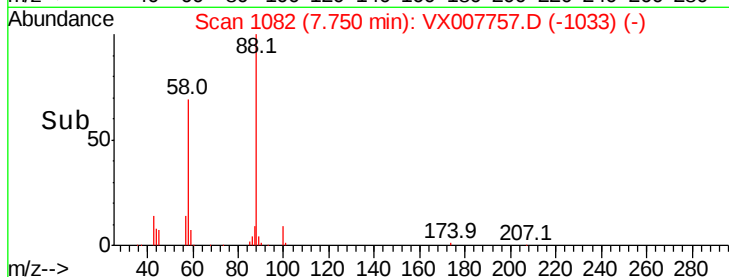
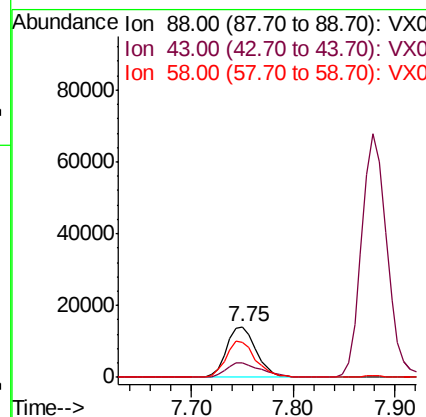
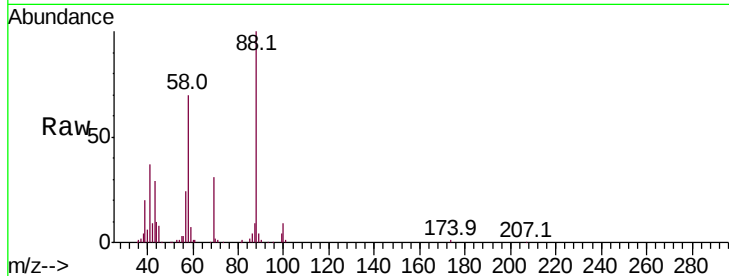




#49
1,4-Dioxane
Concen: 372.392 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

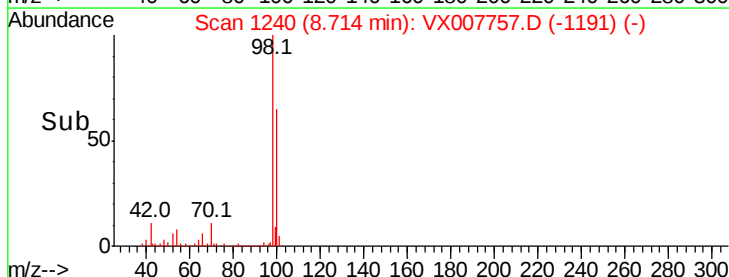
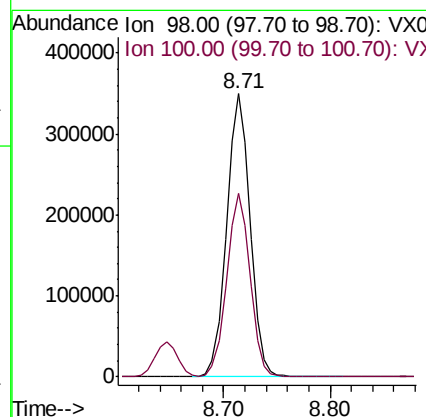
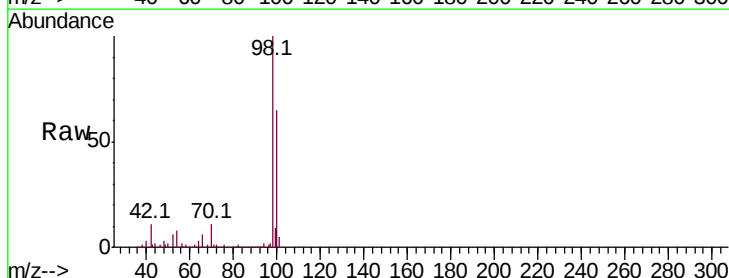
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

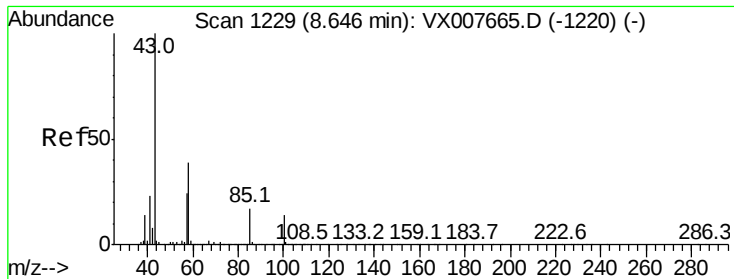
Tot Ion: 88 Resp: 28313
Ion Ratio Lower Upper
88 100
43 33.0 24.2 36.4
58 72.1 53.0 79.4



#50
Toluene-d8
Concen: 48.016 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion: 98 Resp: 536884
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 100.877 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

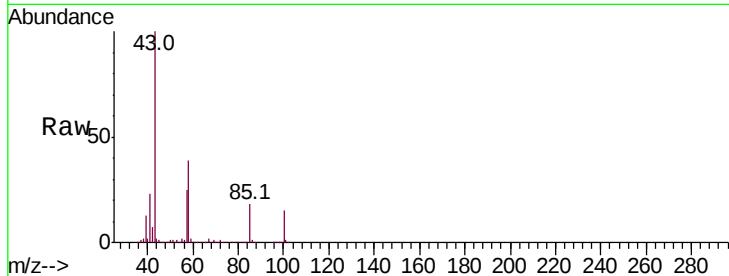
VX0228WBS01

Tot Ion: 43 Resp: 453469

Ion Ratio Lower Upper

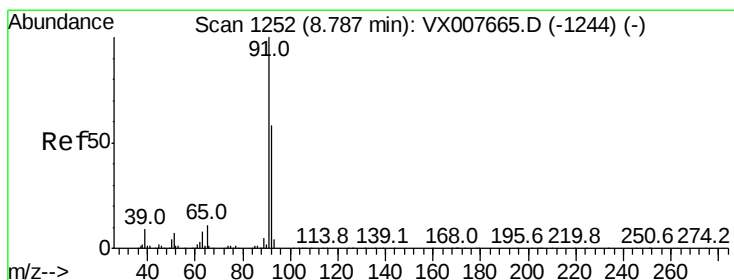
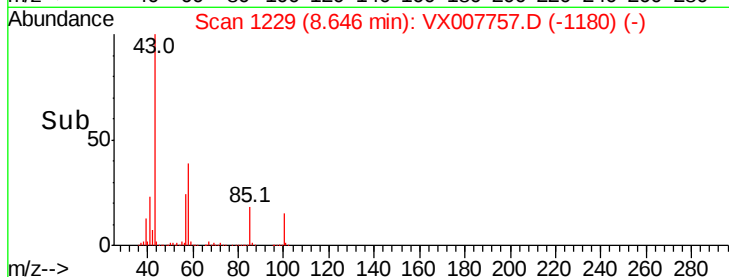
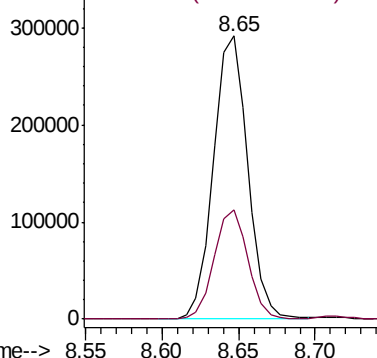
43 100

58 38.1 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.865 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007757.D

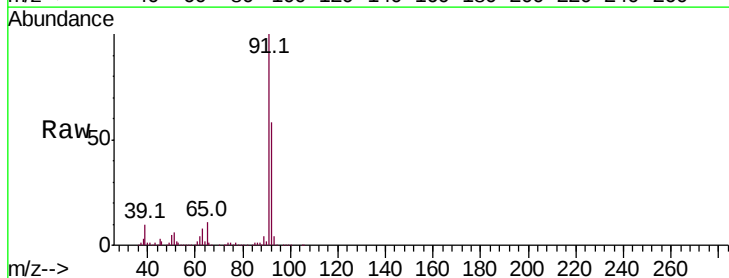
Acq: 28 Feb 2019 11:05

Tgt Ion: 92 Resp: 144245

Ion Ratio Lower Upper

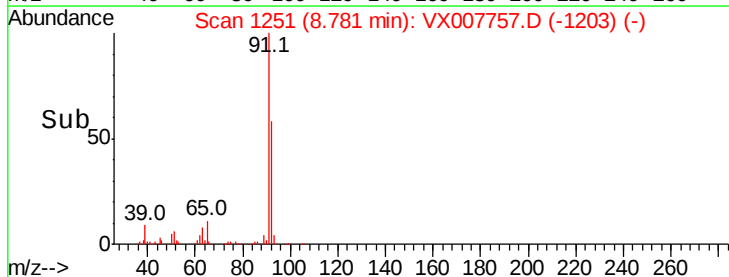
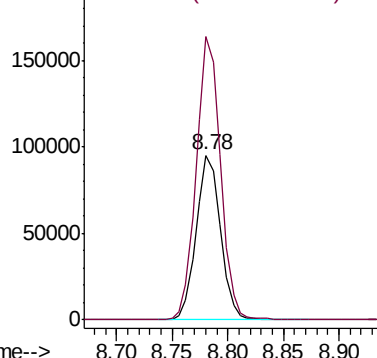
92 100

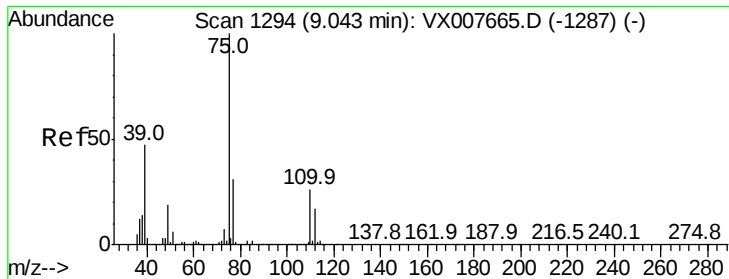
91 171.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.095 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

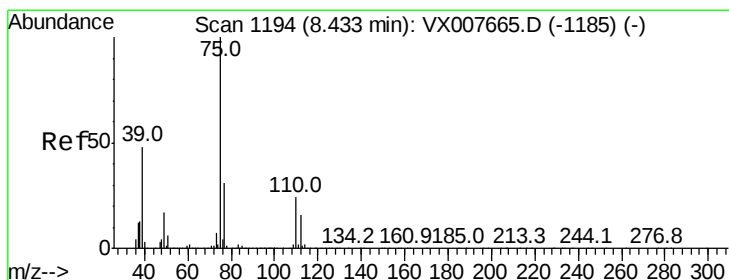
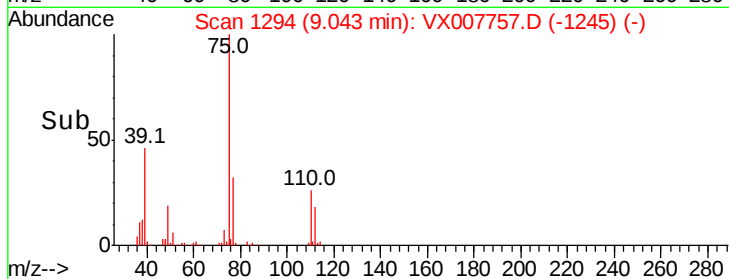
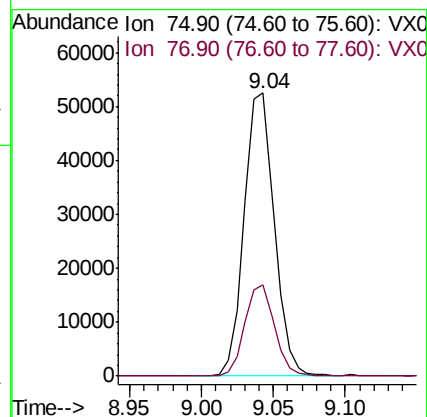
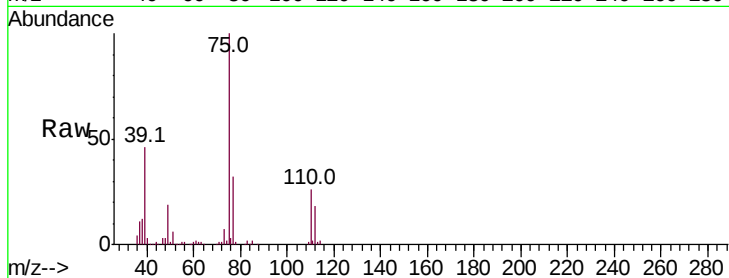
VX0228WBS01

Tot Ion: 75 Resp: 76481

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.722 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

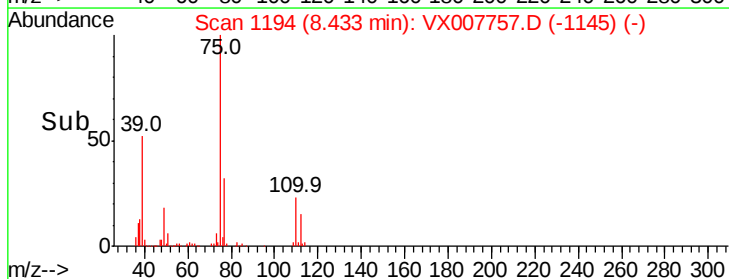
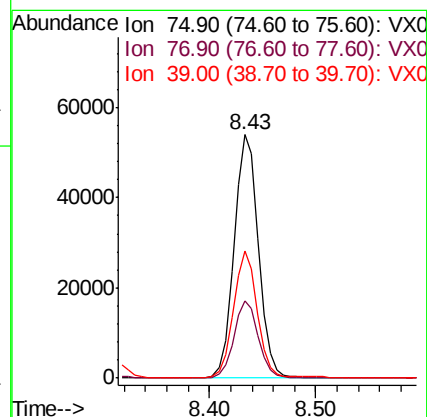
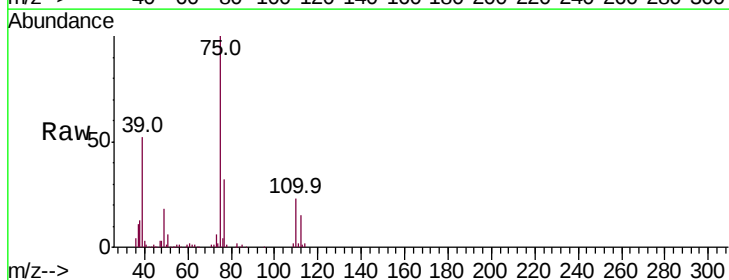
Tgt Ion: 75 Resp: 86275

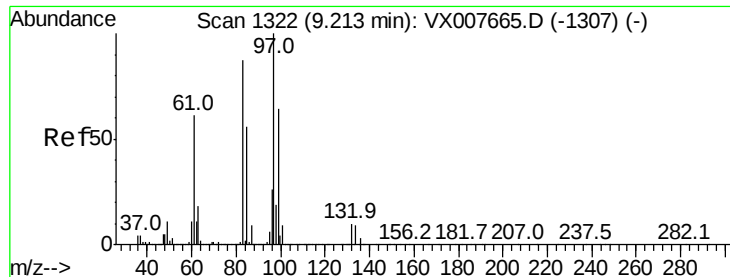
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.4

39 52.1 37.1 55.7



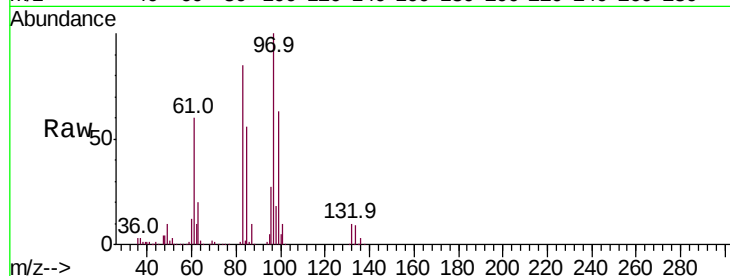


#55
 1,1,2-Trichloroethane
 Concen: 18.523 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Tot Ion: 97 Resp: 59062

Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.6	102.8
85	55.9	44.5	66.7
99	62.9	52.2	78.4



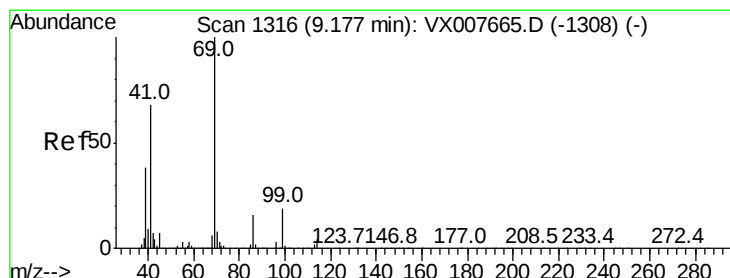
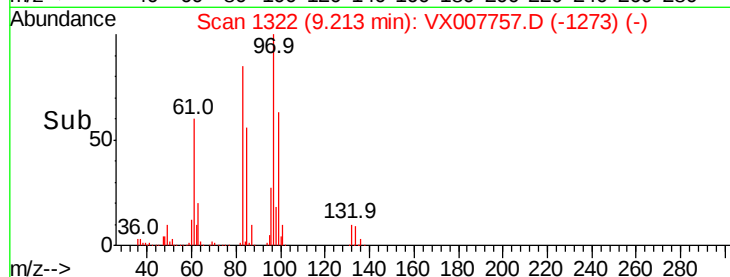
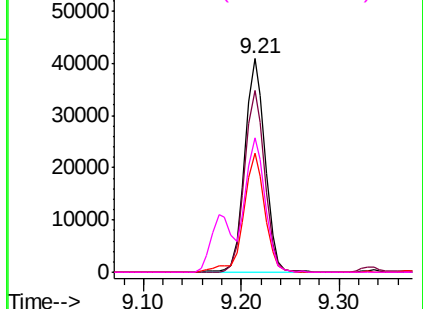
Abundance

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

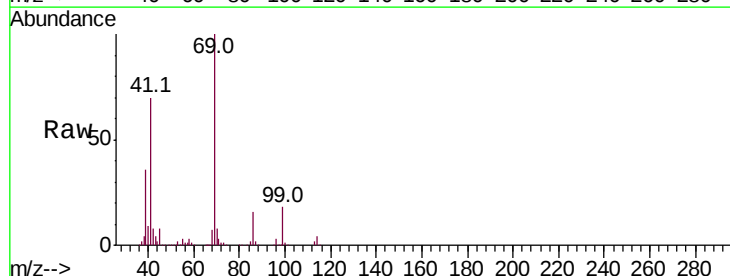
Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 19.007 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007757.D
 Acq: 28 Feb 2019 11:05

Tgt Ion: 69 Resp: 86186

Ion	Ratio	Lower	Upper
69	100		
41	69.7	52.1	78.1
39	35.5	30.1	45.1

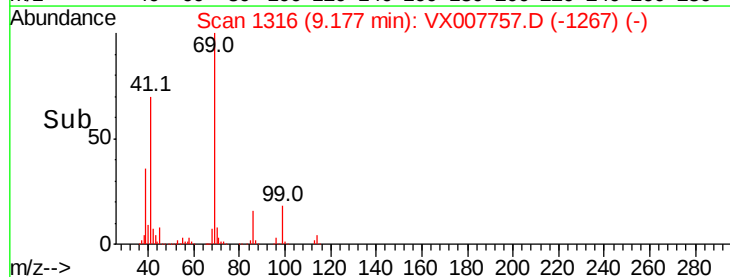
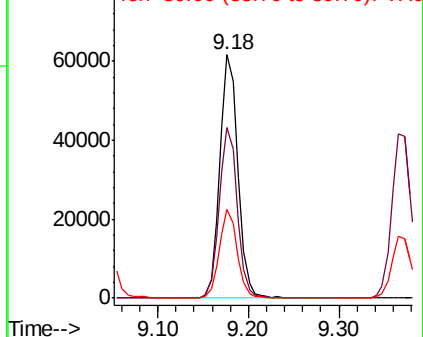


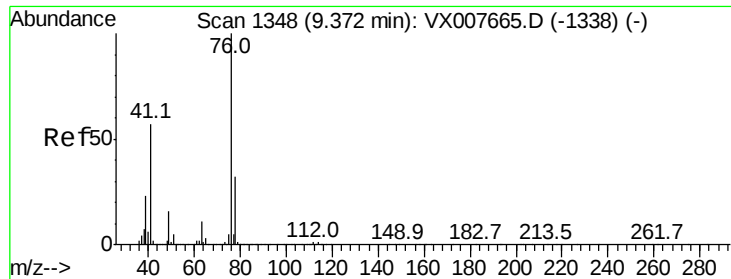
Abundance

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: 19.112 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

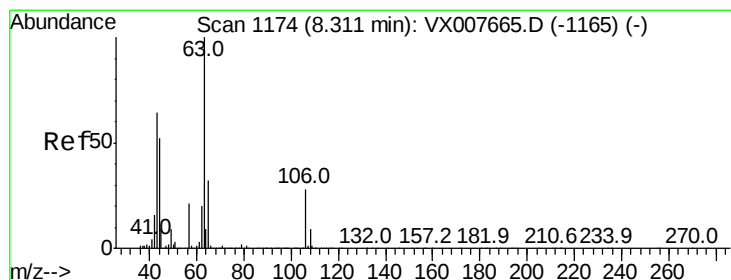
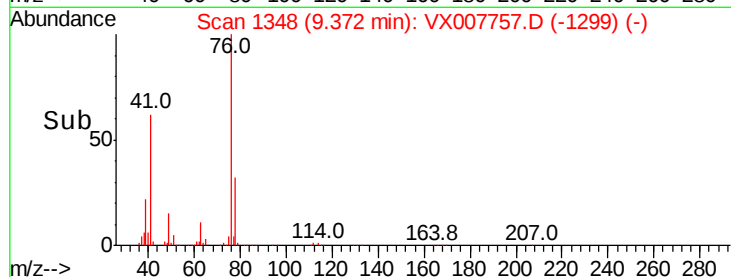
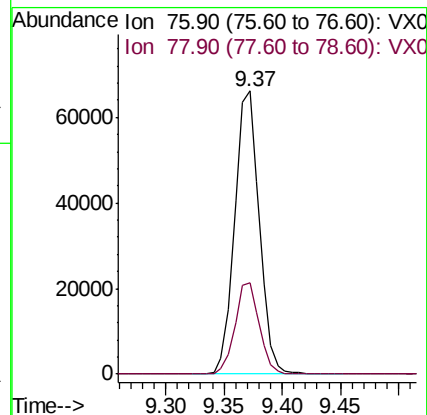
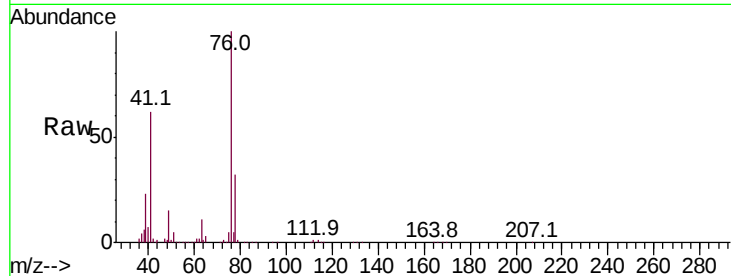
VX0228WBS01

Tot Ion: 76 Resp: 97551

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 104.118 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007757.D

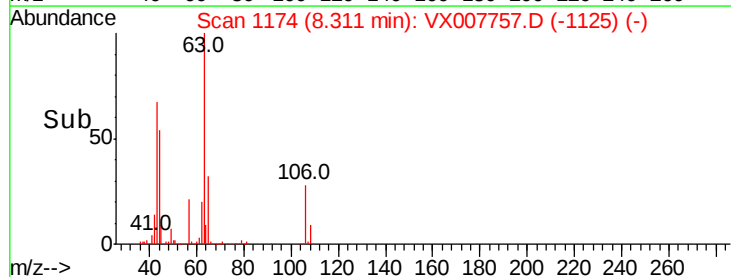
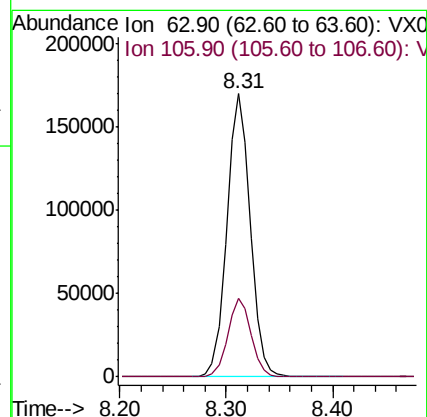
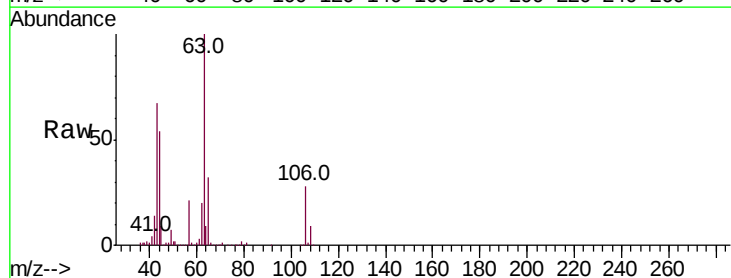
Acq: 28 Feb 2019 11:05

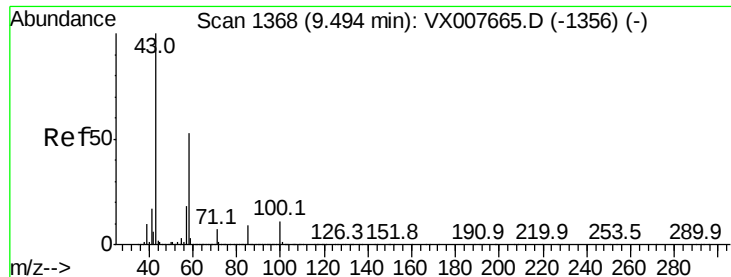
Tgt Ion: 63 Resp: 260343

Ion Ratio Lower Upper

63 100

106 27.7 23.6 35.4

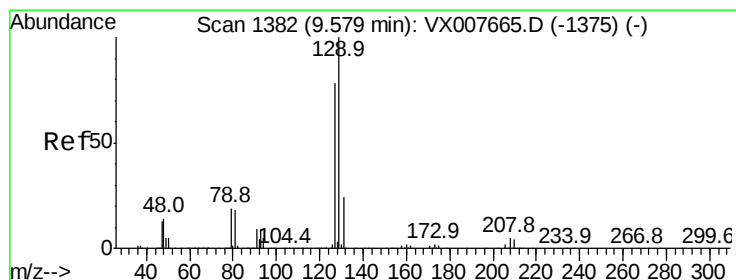
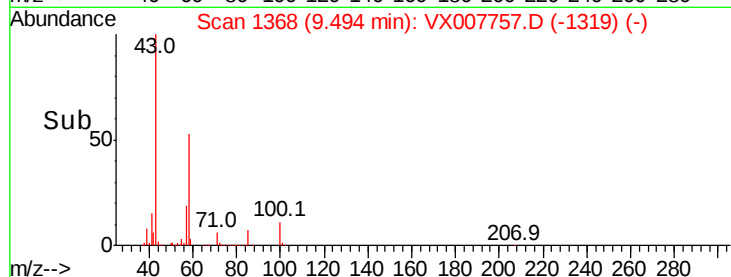
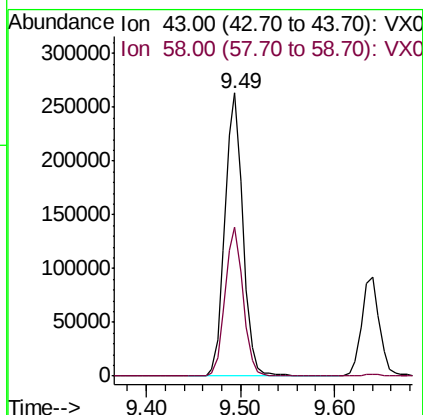
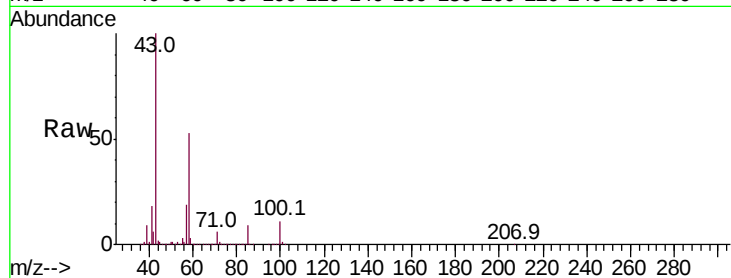




#59
2-Hexanone
Concen: 99.018 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

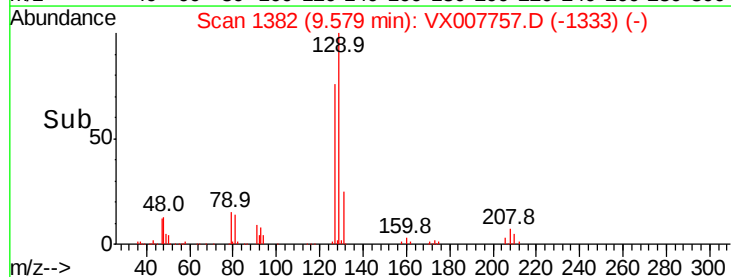
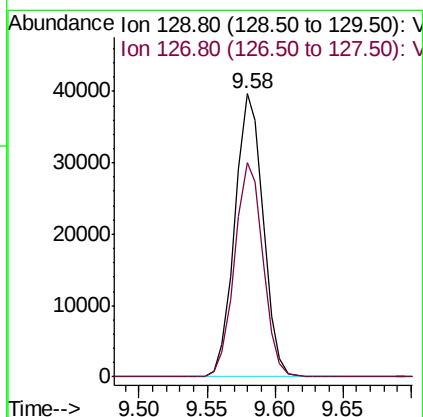
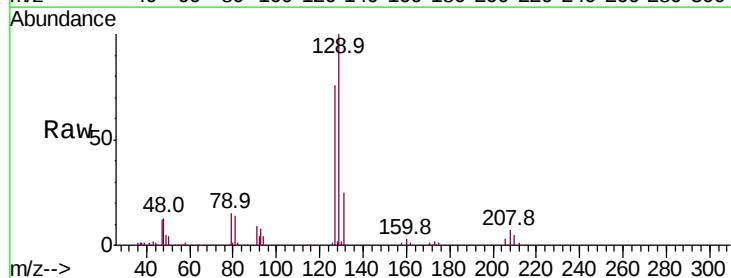
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

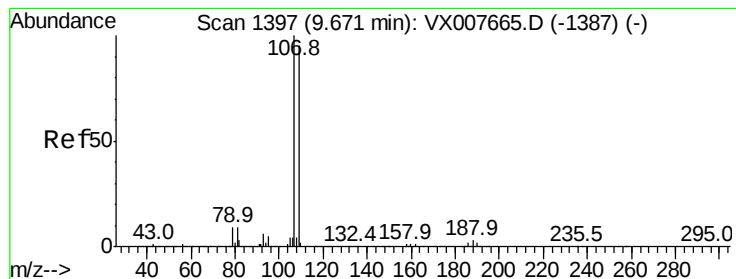
Tot Ion: 43 Resp: 349454
Ion Ratio Lower Upper
43 100
58 52.7 27.1 81.3



#60
Dibromochloromethane
Concen: 18.742 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion: 129 Resp: 57503
Ion Ratio Lower Upper
129 100
127 75.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.571 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

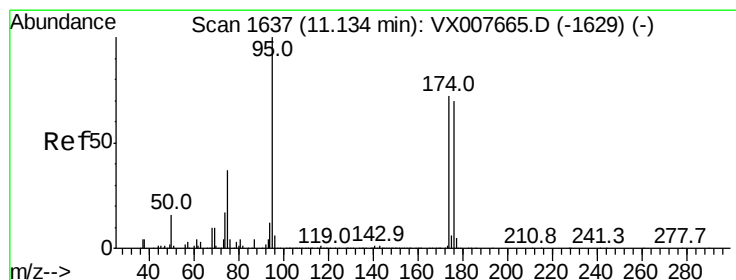
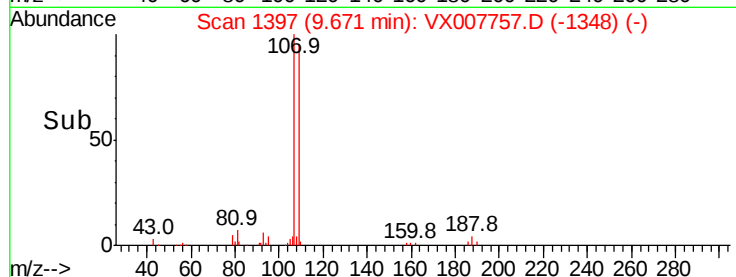
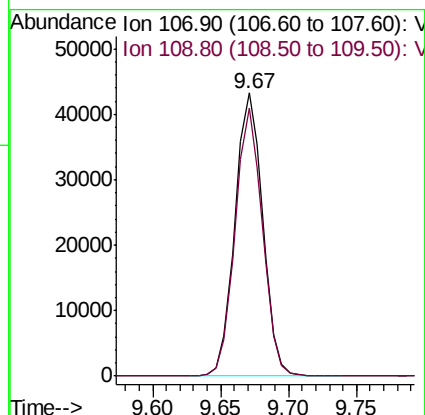
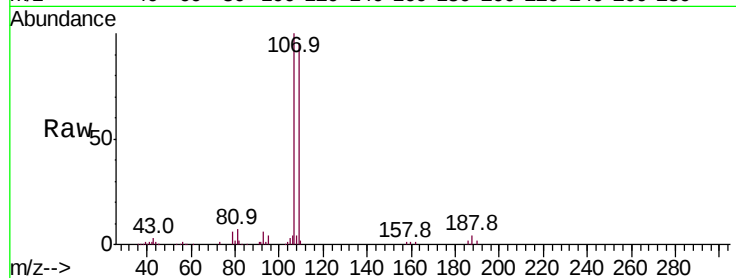
VX0228WBS01

Tot Ion:107 Resp: 61480

Ion Ratio Lower Upper

107 100

109 93.4 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 46.950 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

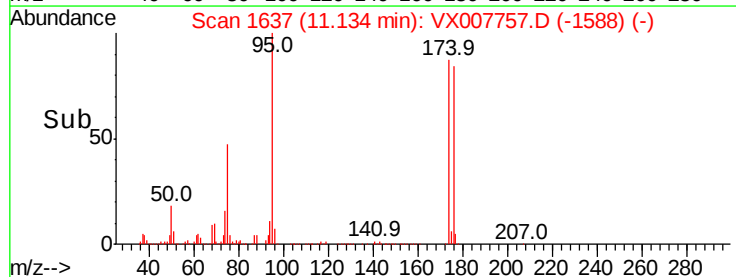
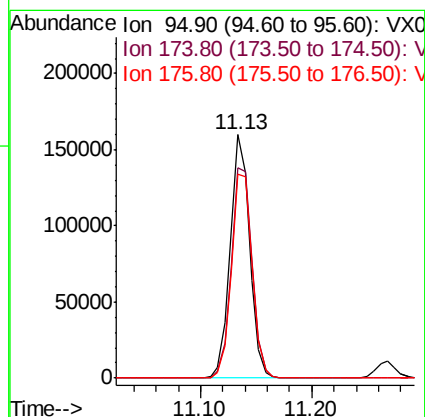
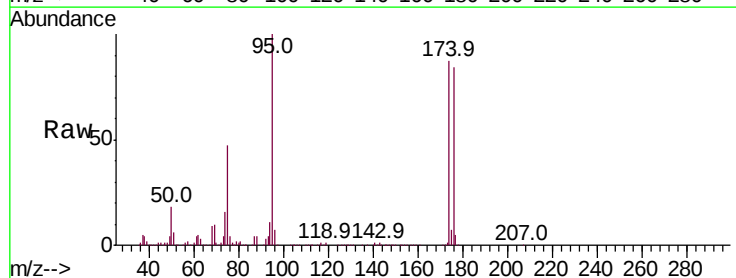
Tgt Ion: 95 Resp: 192680

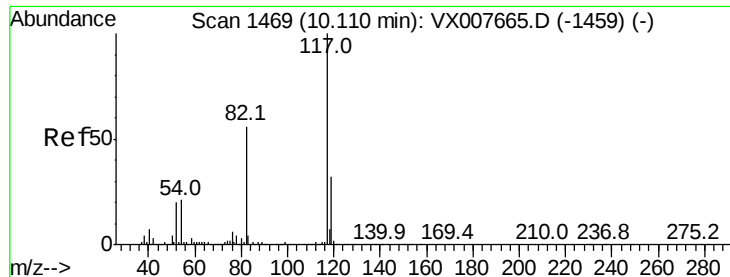
Ion Ratio Lower Upper

95 100

174 92.6 0.0 189.2

176 89.7 0.0 186.2

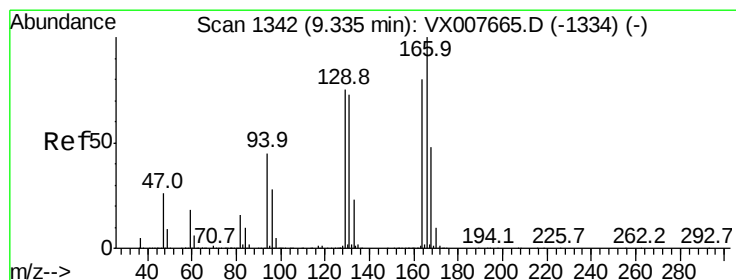
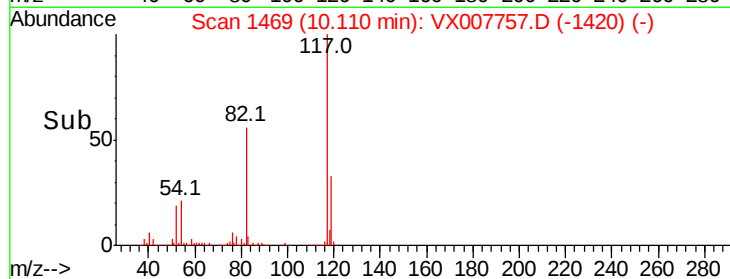
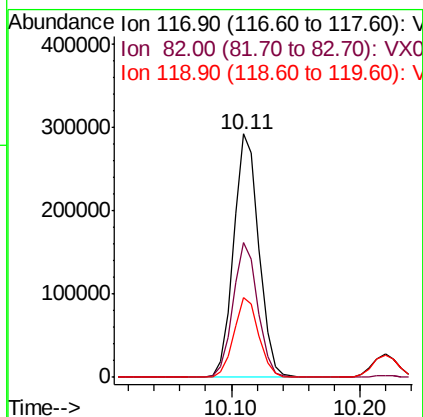
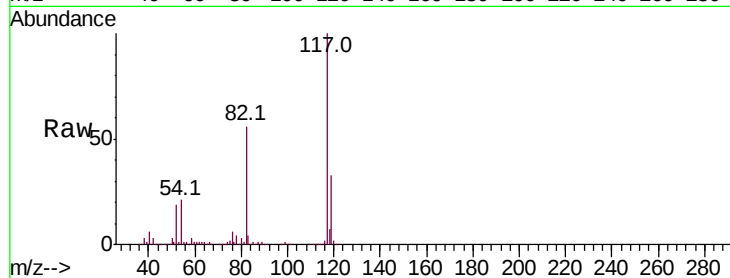




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

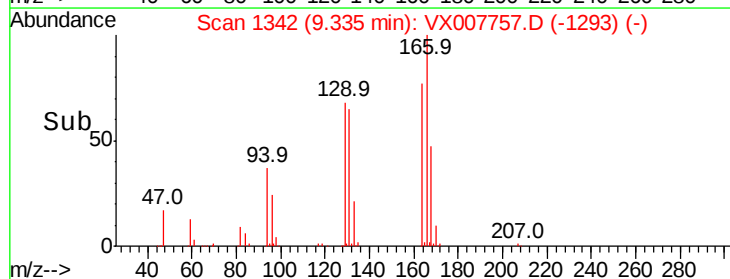
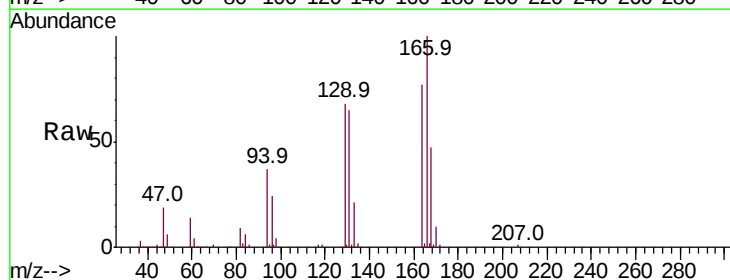
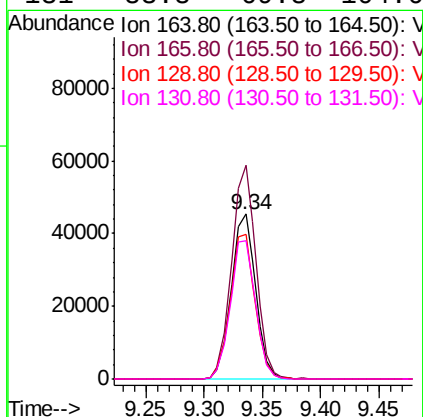
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

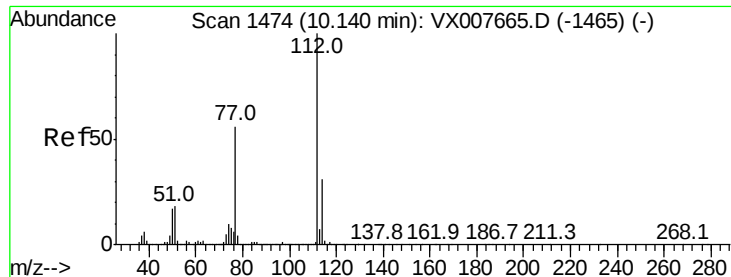
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.1	63.1
119	32.6	26.5	39.7



#64
Tetrachloroethene
Concen: 20.618 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.0	151.4
129	87.4	70.5	105.7
131	83.8	69.8	104.6





#65

Chlorobenzene

Concen: 18.459 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

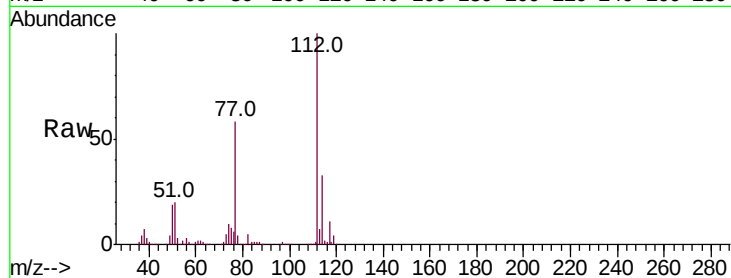
VX0228WBS01

Tot Ion:112 Resp: 158914

Ion Ratio Lower Upper

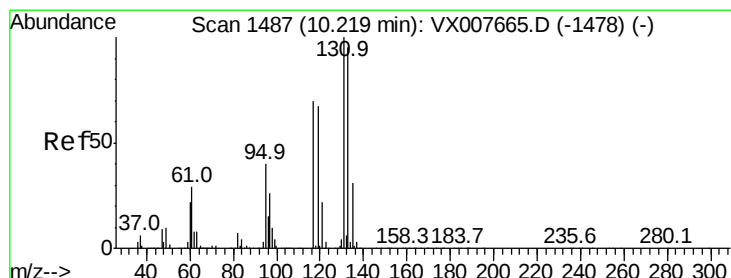
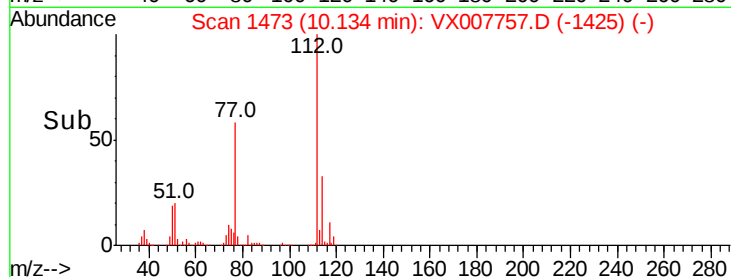
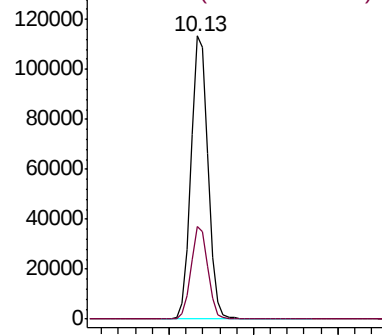
112 100

114 32.5 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.651 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

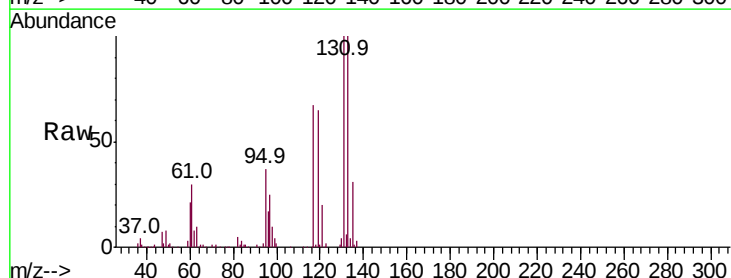
Tgt Ion:131 Resp: 56010

Ion Ratio Lower Upper

131 100

133 97.3 48.0 144.2

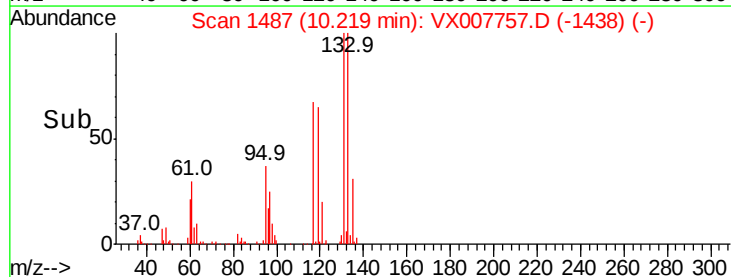
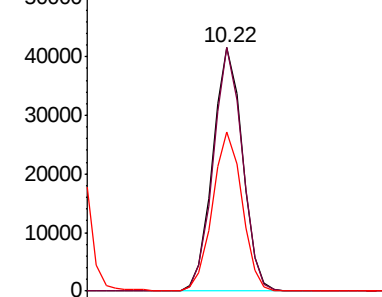
119 65.0 32.0 96.0

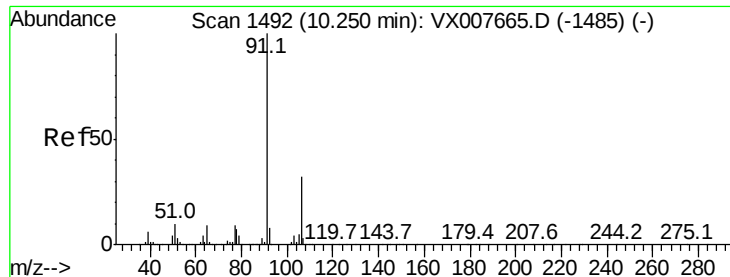


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.587 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

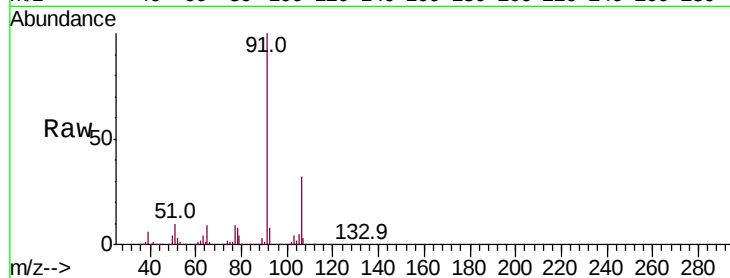
VX0228WBS01

Tot Ion: 91 Resp: 265072

Ion Ratio Lower Upper

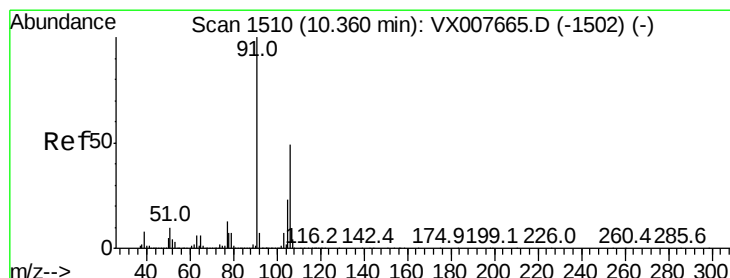
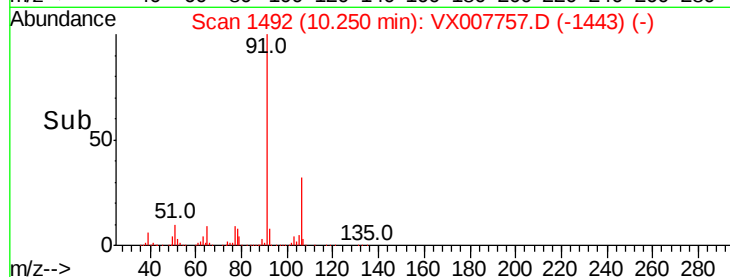
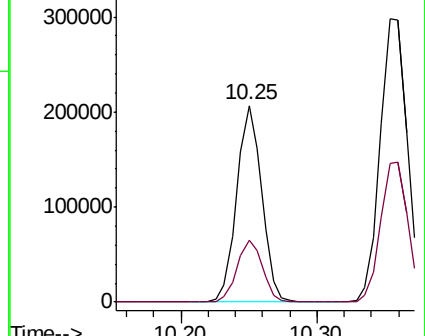
91 100

106 31.6 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.144 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007757.D

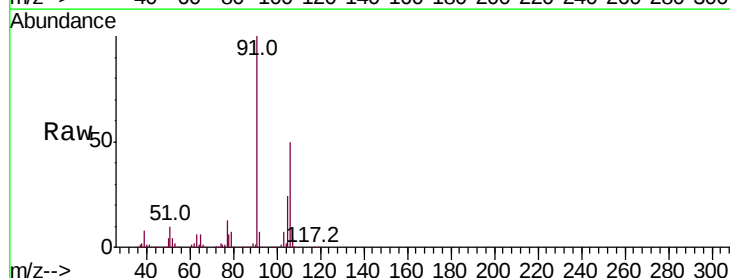
Acq: 28 Feb 2019 11:05

Tgt Ion: 106 Resp: 206074

Ion Ratio Lower Upper

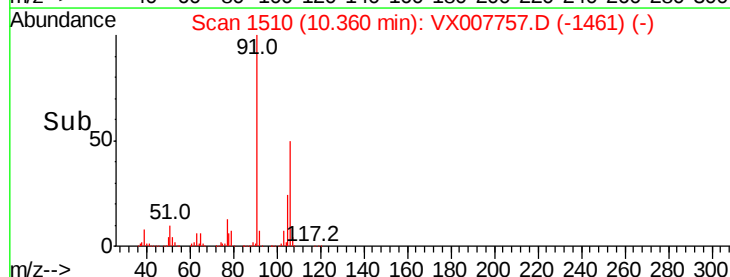
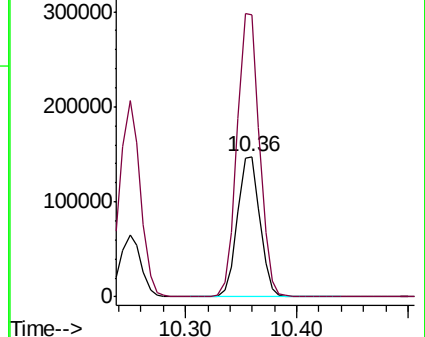
106 100

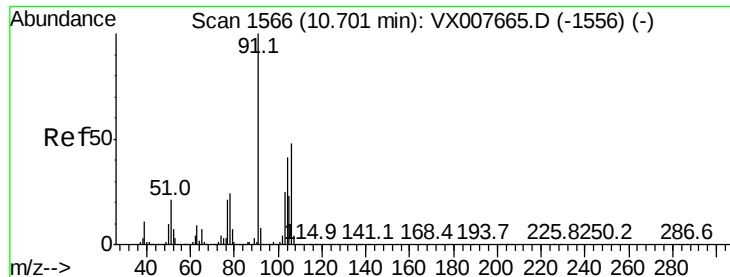
91 202.1 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

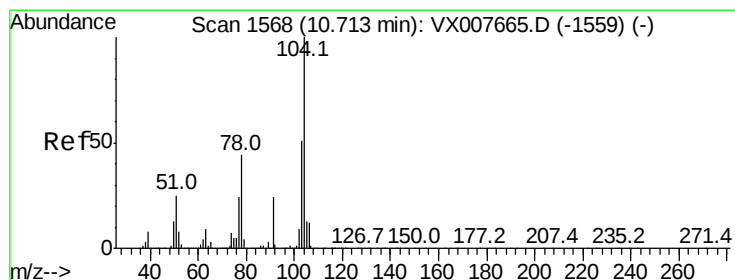
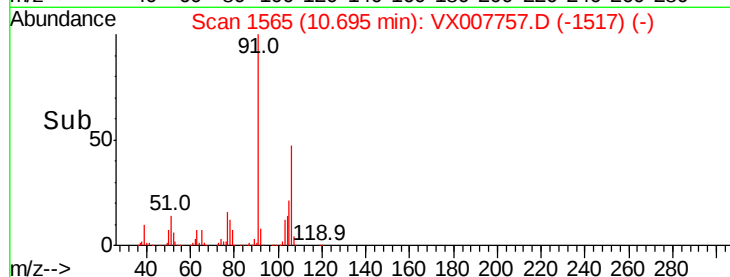
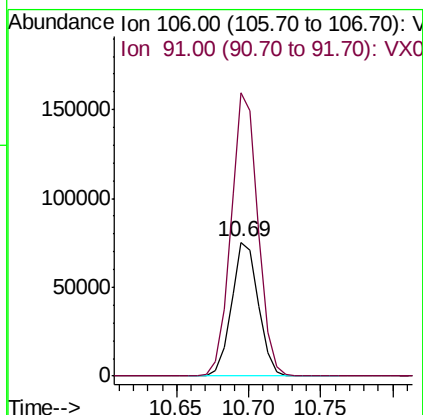
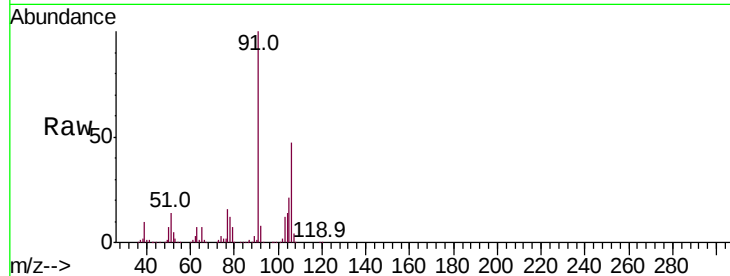




#69
o-Xylene
Concen: 18.455 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

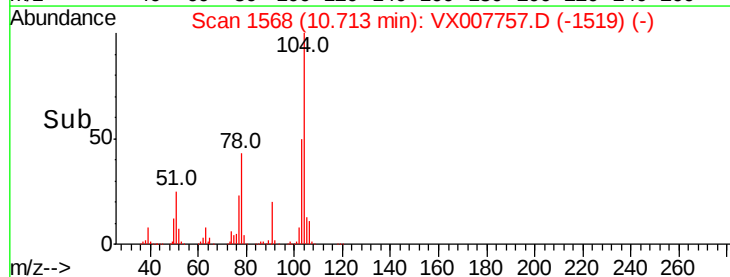
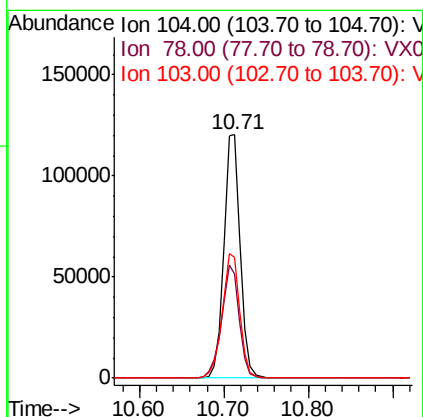
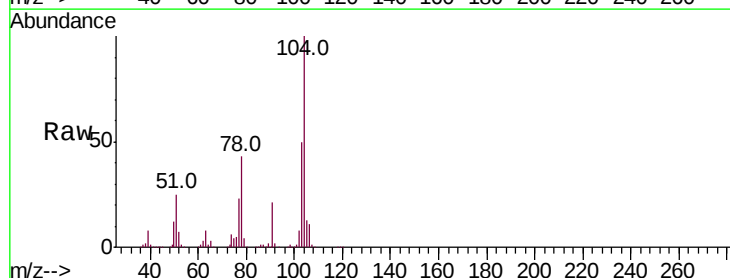
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

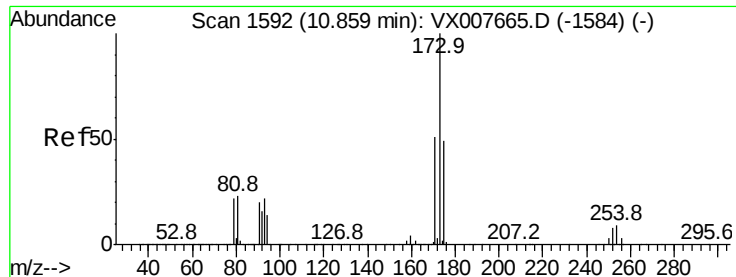
Tot Ion:106 Resp: 98484
Ion Ratio Lower Upper
106 100
91 212.7 102.9 308.7



#70
Styrene
Concen: 18.427 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion:104 Resp: 161636
Ion Ratio Lower Upper
104 100
78 49.6 38.3 57.5
103 55.0 44.6 67.0





#71

Bromoform

Concen: 19.282 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

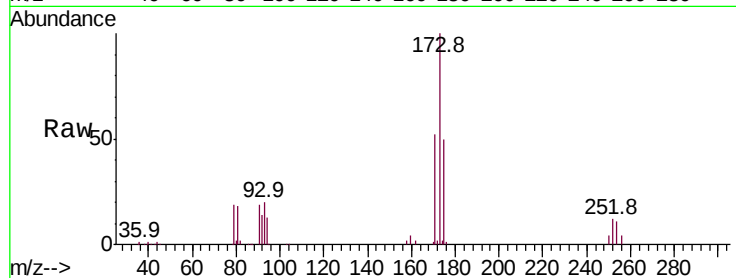
Tot Ion:173 Resp: 43421

Ion Ratio Lower Upper

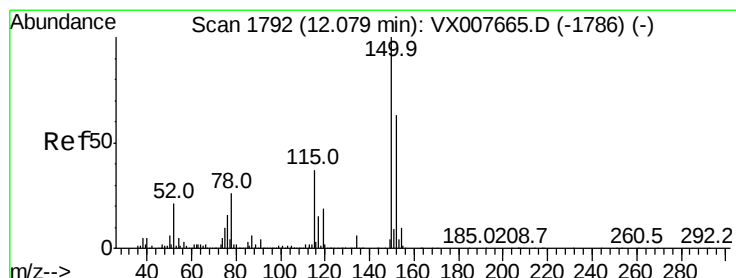
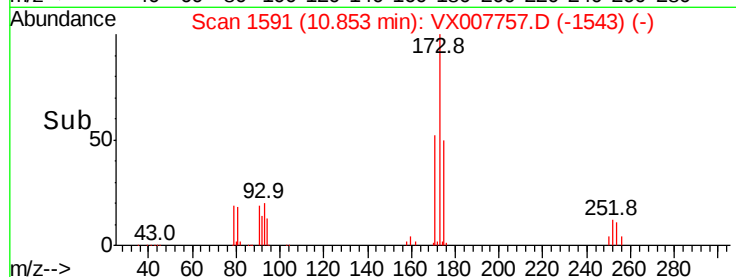
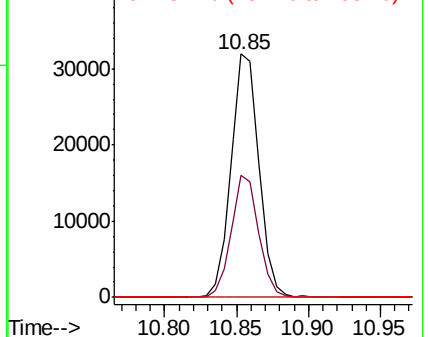
173 100

175 49.2 24.2 72.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

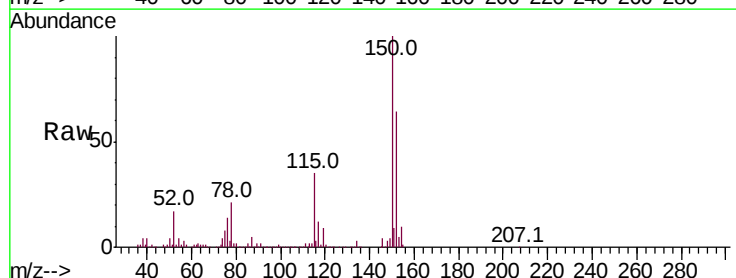
Tgt Ion:152 Resp: 208027

Ion Ratio Lower Upper

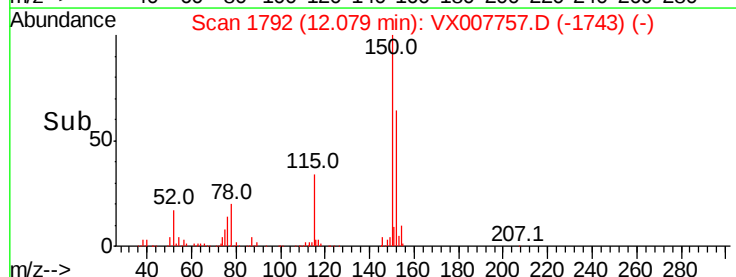
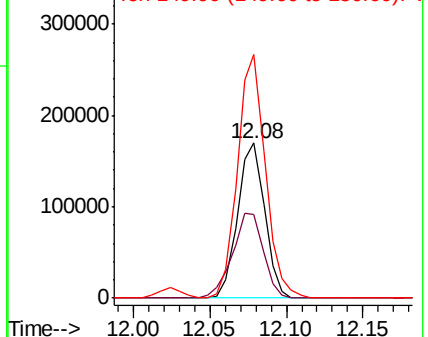
152 100

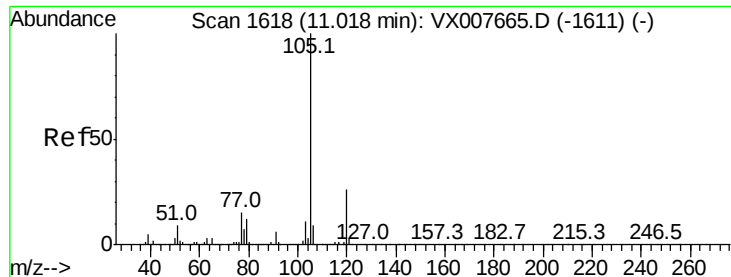
115 63.2 38.0 114.0

150 161.8 0.0 346.4



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





#73

Isopropylbenzene

Concen: 18.022 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

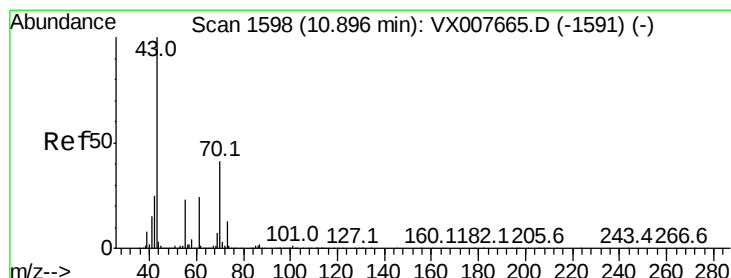
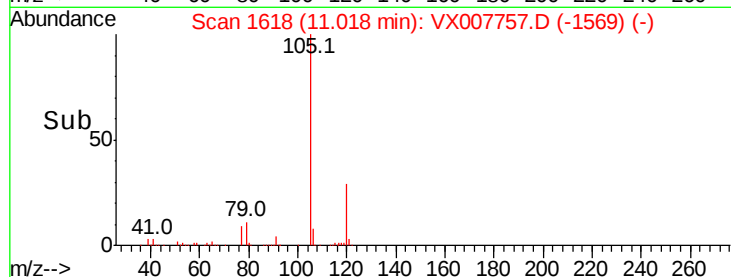
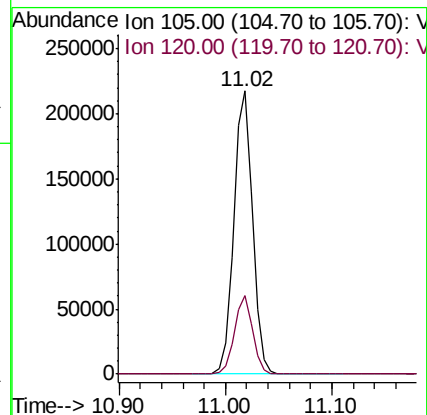
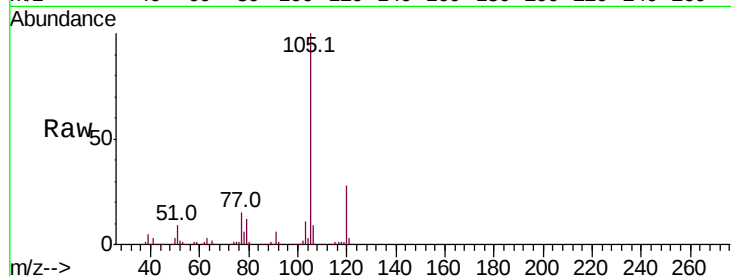
VX0228WBS01

Tot Ion:105 Resp: 267948

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 17.841 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Tgt Ion: 43 Resp: 115190

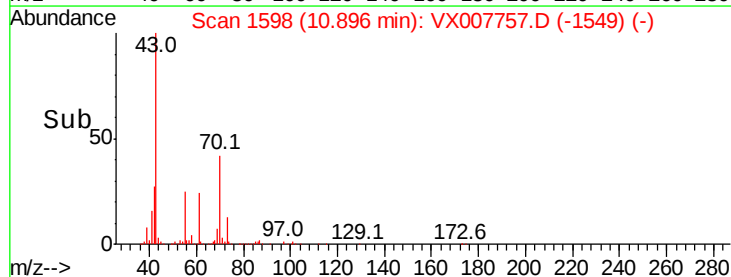
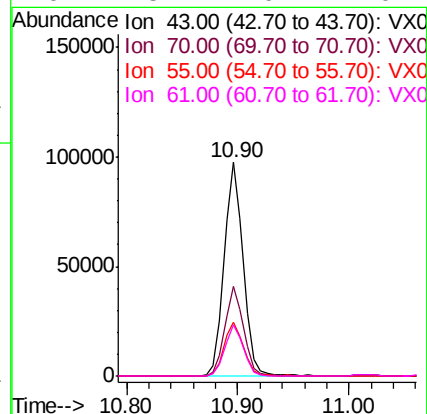
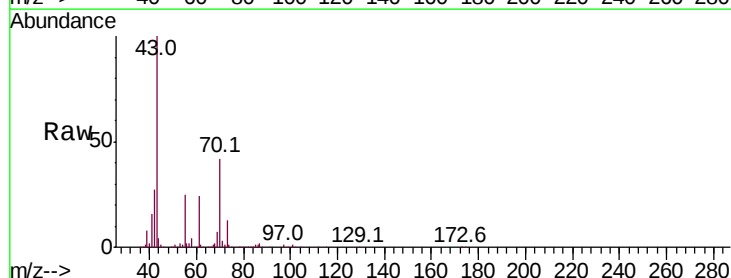
Ion Ratio Lower Upper

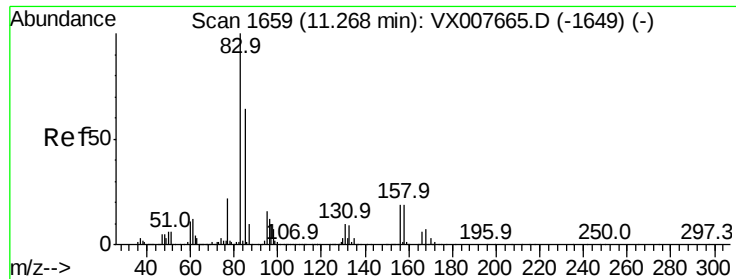
43 100

70 41.2 33.8 50.6

55 25.8 19.5 29.3

61 23.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.012 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

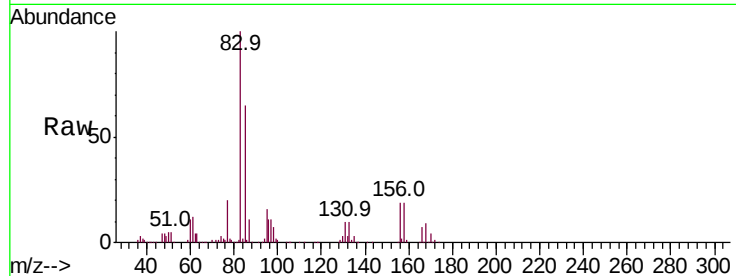
Tot Ion: 83 Resp: 87480

Ion Ratio Lower Upper

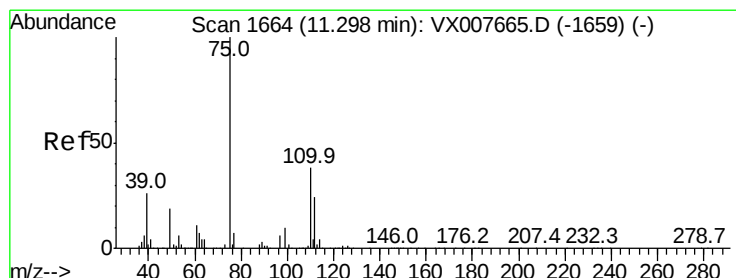
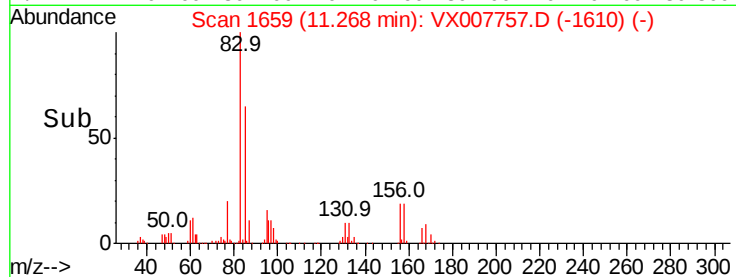
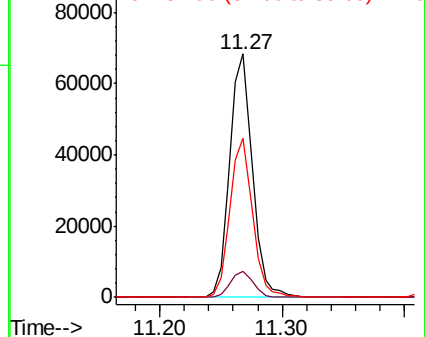
83 100

131 10.6 5.7 17.0

85 65.0 32.8 98.3



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: 22.396 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007757.D

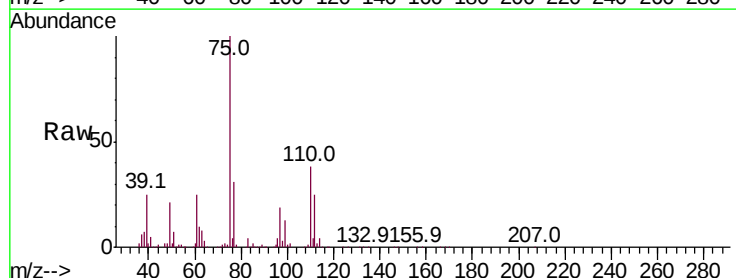
Acq: 28 Feb 2019 11:05

Tgt Ion: 75 Resp: 99307

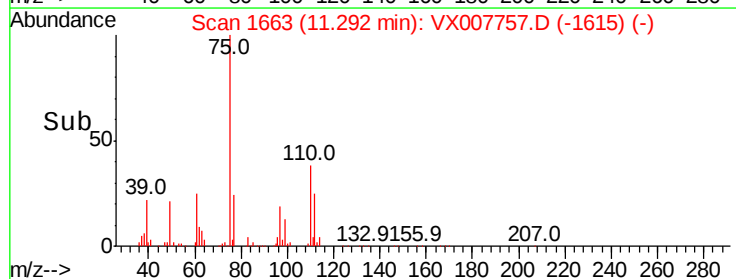
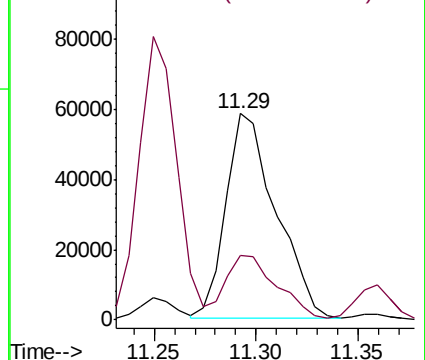
Ion Ratio Lower Upper

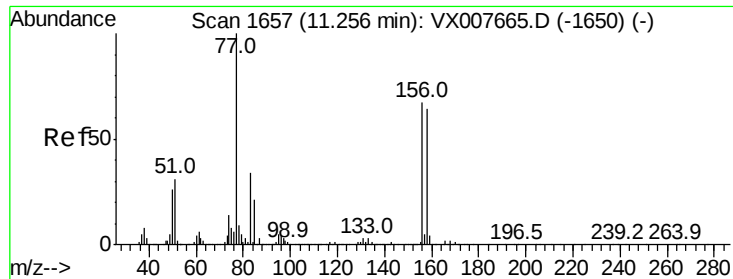
75 100

77 32.6 23.0 69.0



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





#77

Bromobenzene

Concen: 19.193 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

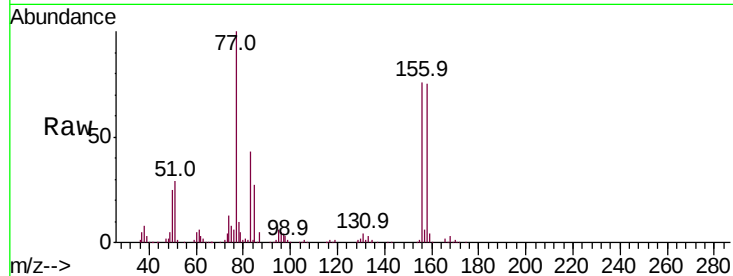
Tot Ion:156 Resp: 71576

Ion Ratio Lower Upper

156 100

77 144.8 66.8 200.6

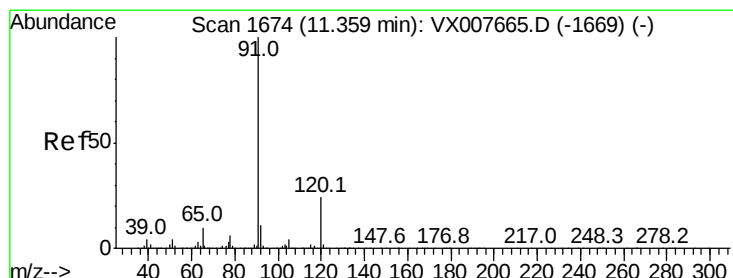
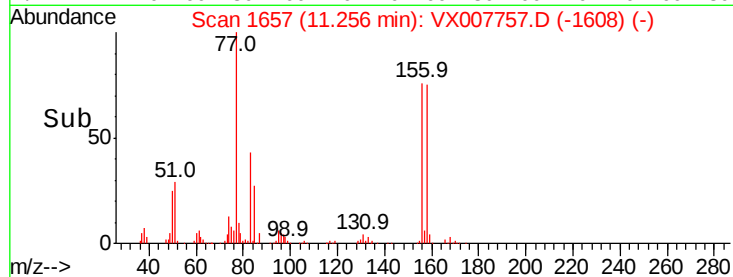
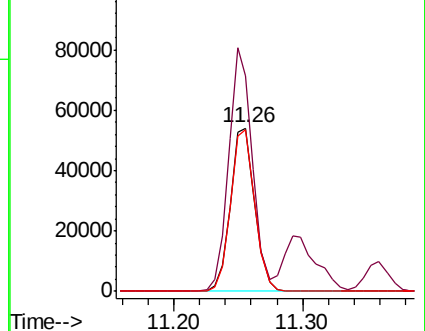
158 98.9 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VX0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 18.082 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007757.D

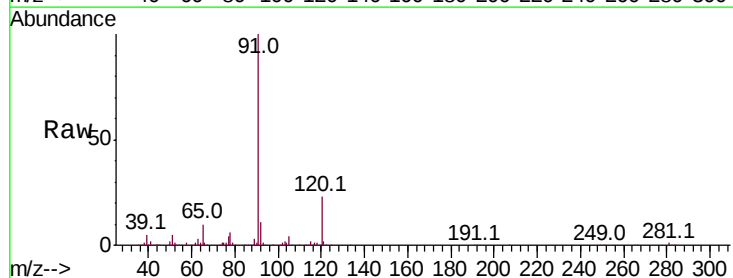
Acq: 28 Feb 2019 11:05

Tgt Ion: 91 Resp: 303802

Ion Ratio Lower Upper

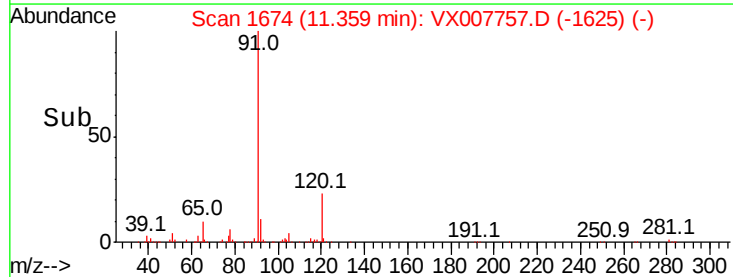
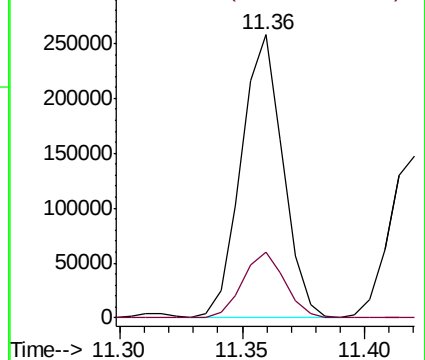
91 100

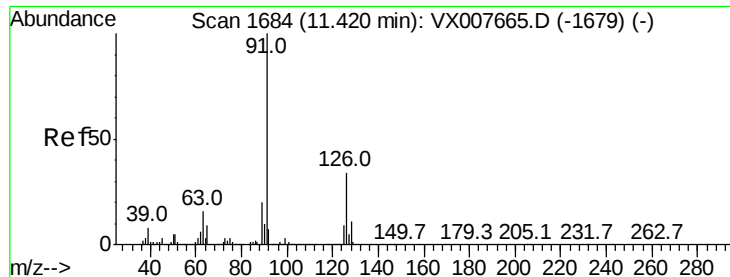
120 23.5 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.30): VX0

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 17.847 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

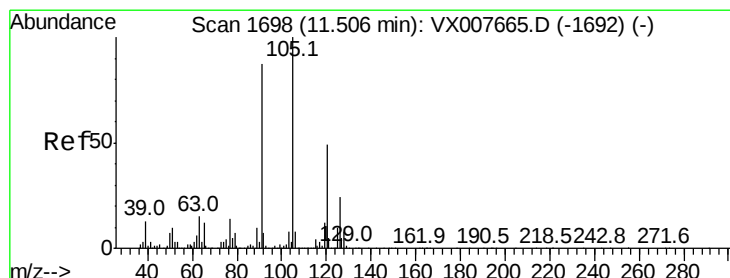
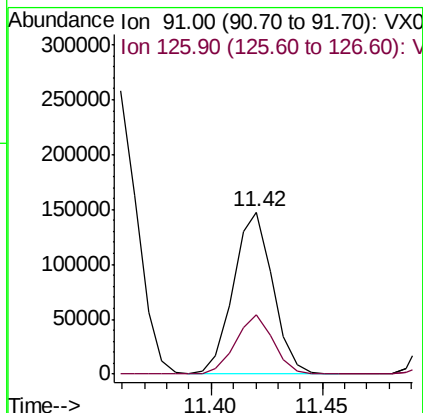
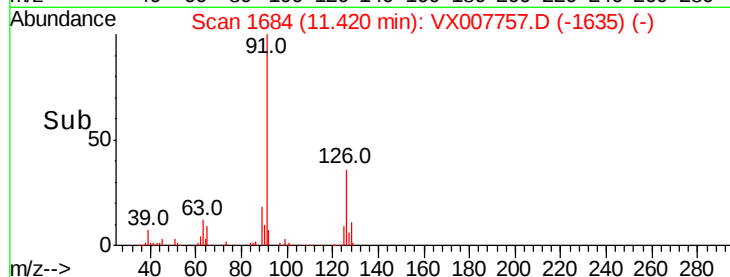
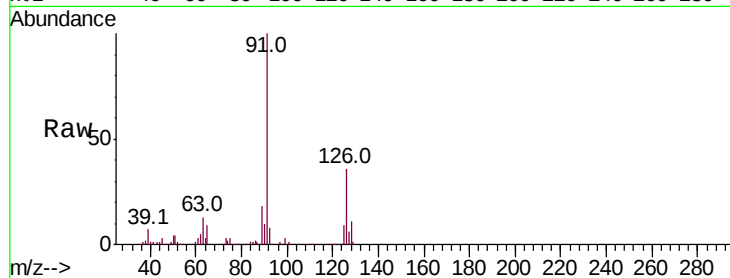
VX0228WBS01

Tot Ion: 91 Resp: 180544

Ion Ratio Lower Upper

91 100

126 35.5 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 18.323 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007757.D

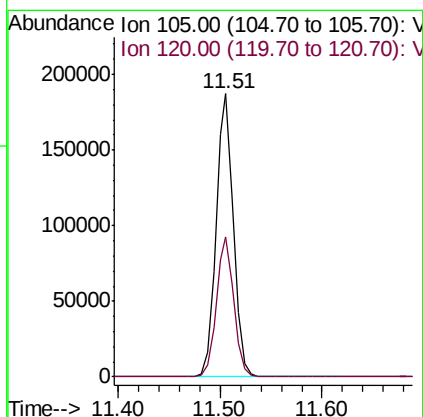
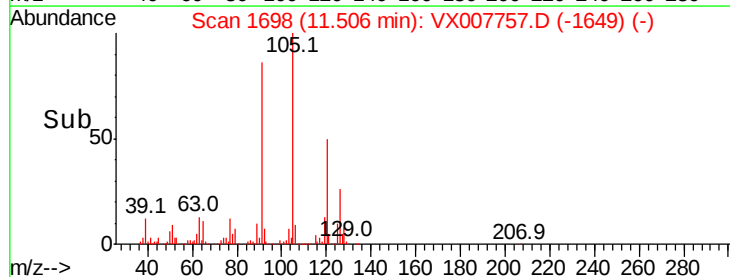
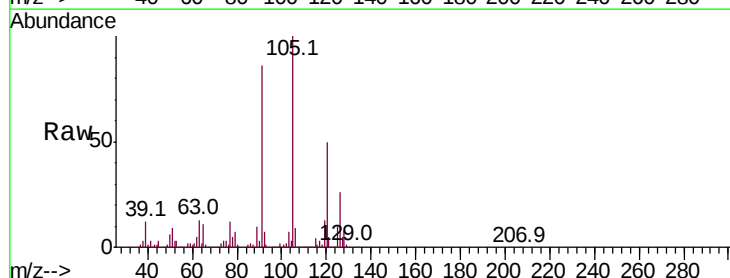
Acq: 28 Feb 2019 11:05

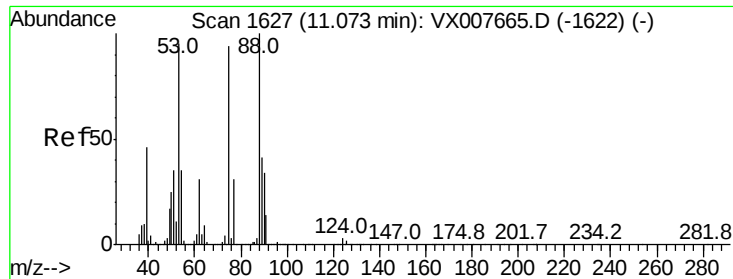
Tgt Ion: 105 Resp: 224084

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.486 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

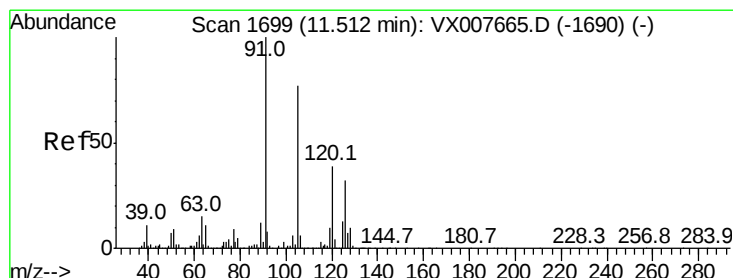
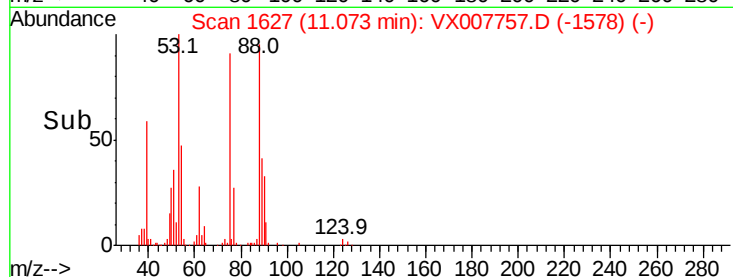
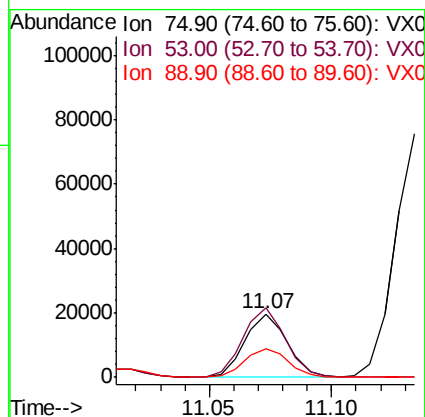
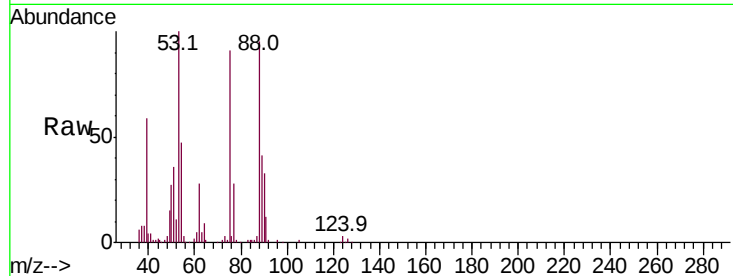
Tot Ion: 75 Resp: 23728

Ion Ratio Lower Upper

75 100

53 109.7 81.0 121.6

89 47.3 41.4 62.0



#82

4-Chlorotoluene

Concen: 17.674 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007757.D

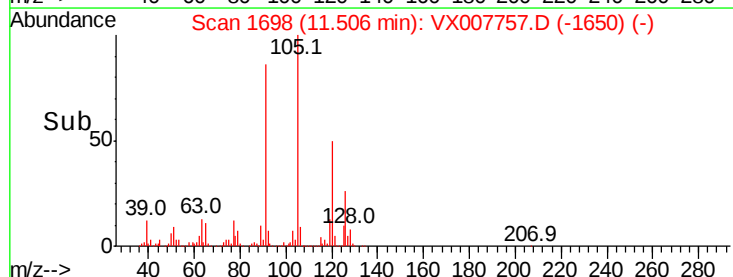
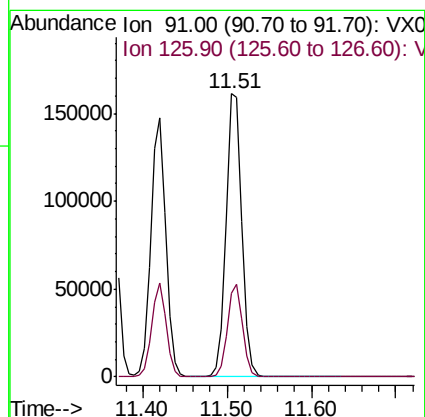
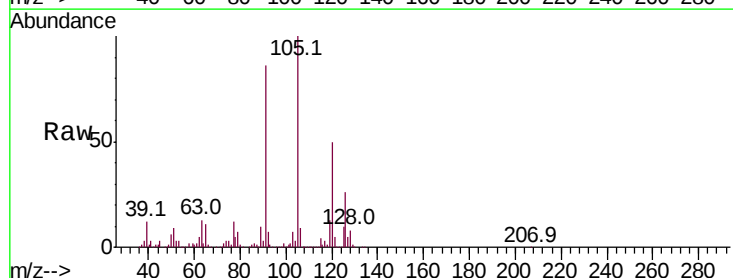
Acq: 28 Feb 2019 11:05

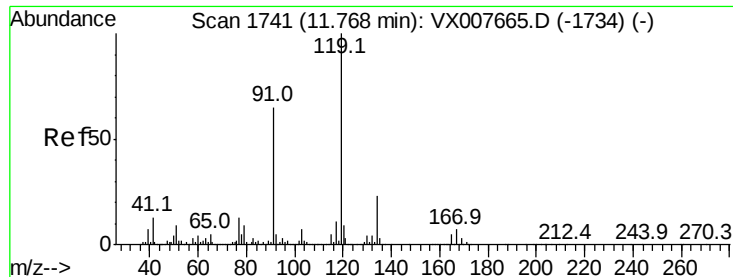
Tgt Ion: 91 Resp: 209163

Ion Ratio Lower Upper

91 100

126 31.5 16.2 48.5





#83

tert-Butylbenzene

Concen: 18.409 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

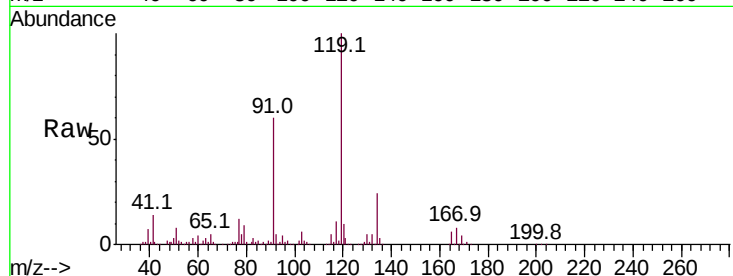
Tot Ion:119 Resp: 216168

Ion Ratio Lower Upper

119 100

91 57.4 28.5 85.6

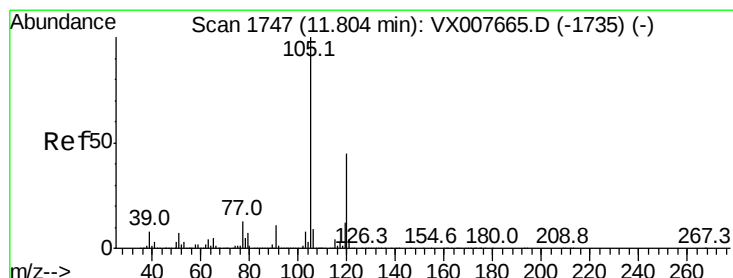
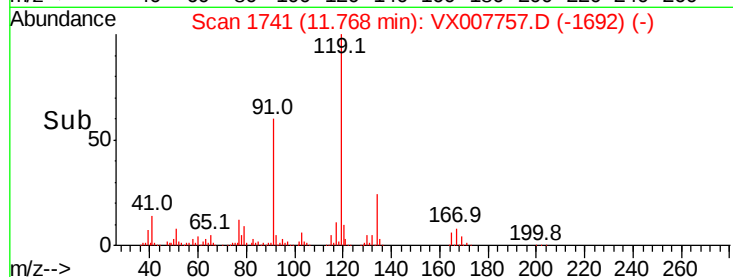
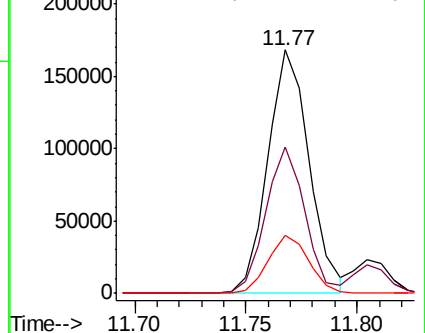
134 23.8 12.0 36.0



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: 18.261 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007757.D

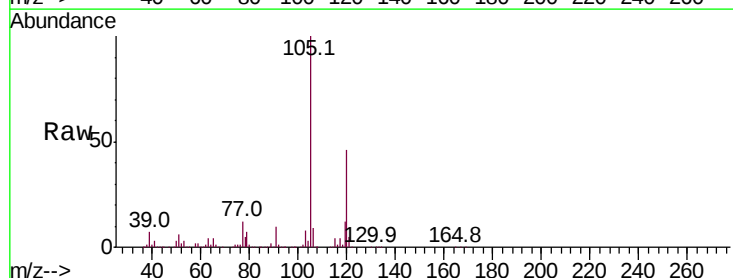
Acq: 28 Feb 2019 11:05

Tgt Ion:105 Resp: 228435

Ion Ratio Lower Upper

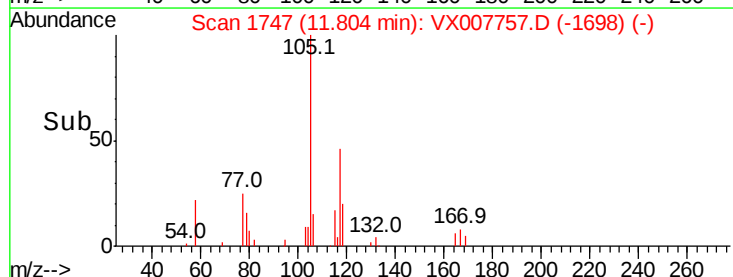
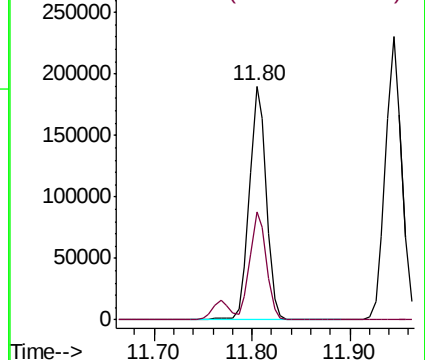
105 100

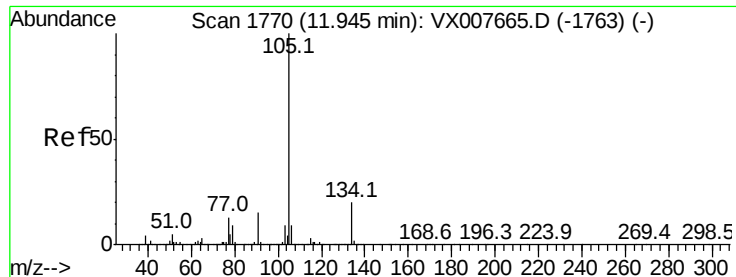
120 45.2 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.227 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

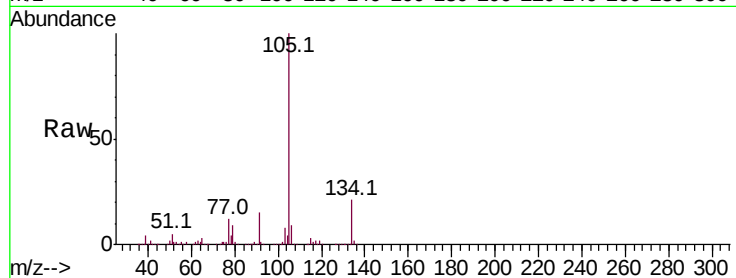
VX0228WBS01

Tot Ion:105 Resp: 268200

Ion Ratio Lower Upper

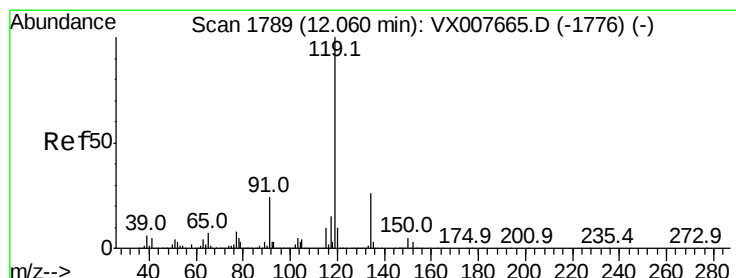
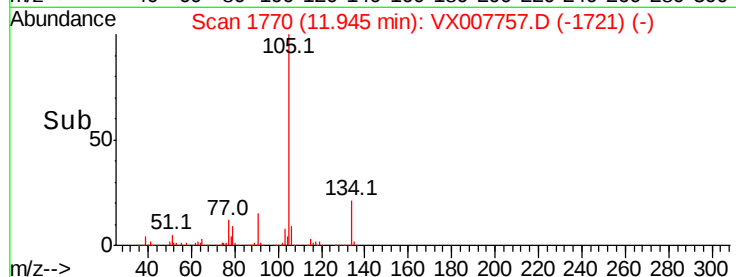
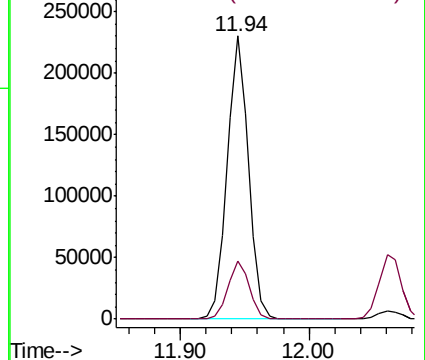
105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.646 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

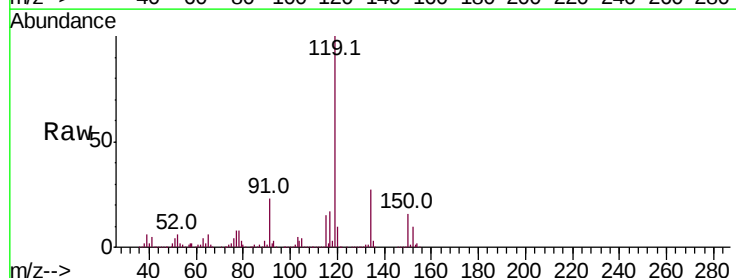
Tgt Ion:119 Resp: 240271

Ion Ratio Lower Upper

119 100

134 26.3 13.7 41.1

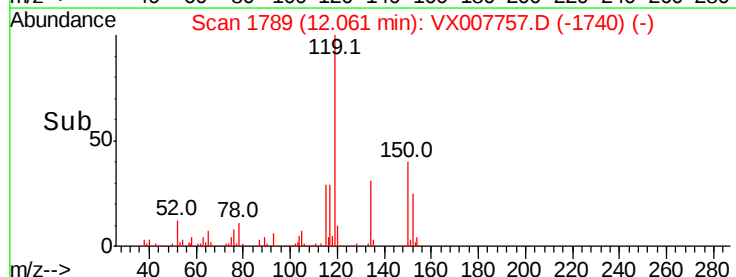
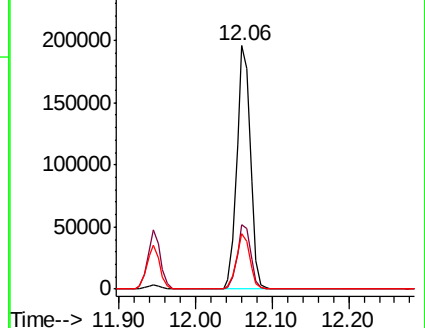
91 22.5 11.2 33.5

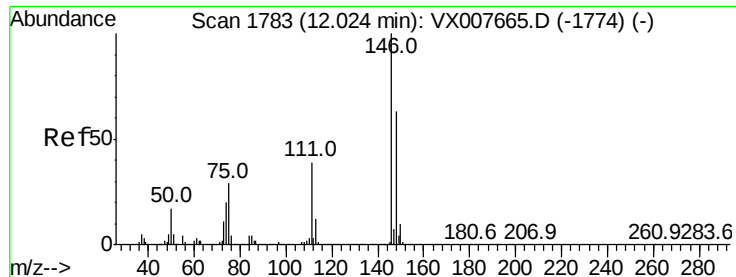


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.266 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0228WBS01

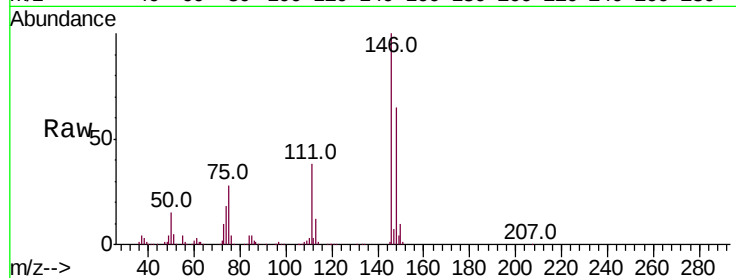
Tot Ion:146 Resp: 126353

Ion Ratio Lower Upper

146 100

111 38.0 18.1 54.1

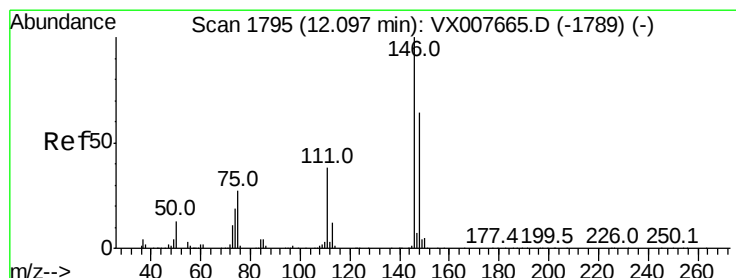
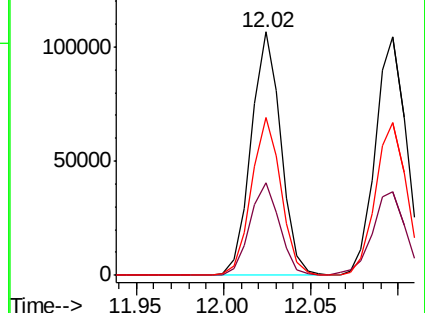
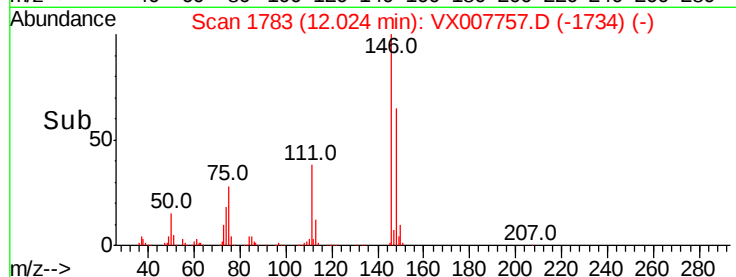
148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.134 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

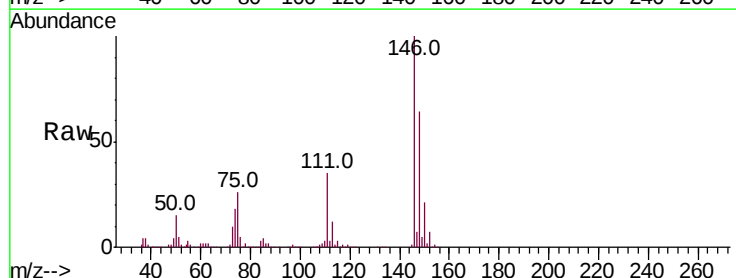
Tgt Ion:146 Resp: 128464

Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.1

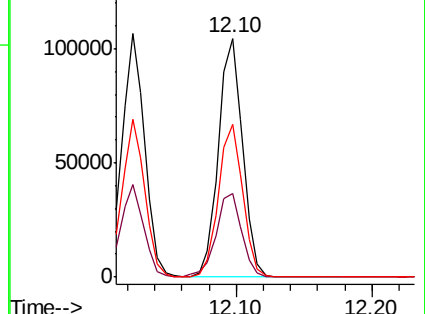
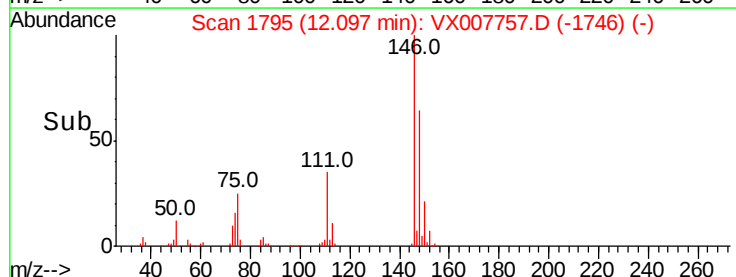
148 64.6 32.3 96.9

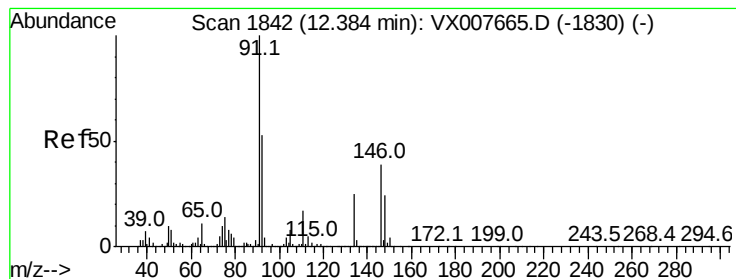


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.470 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

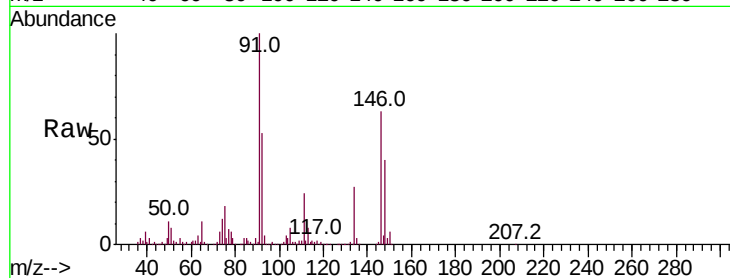
Tot Ion: 91 Resp: 200765

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

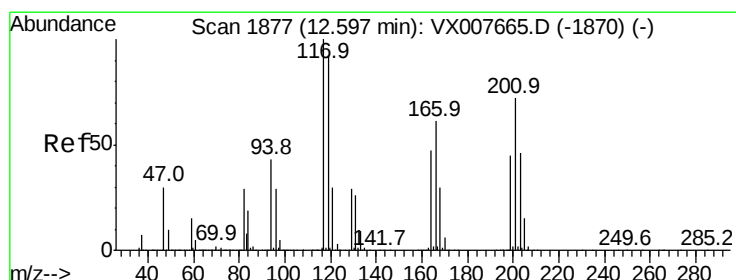
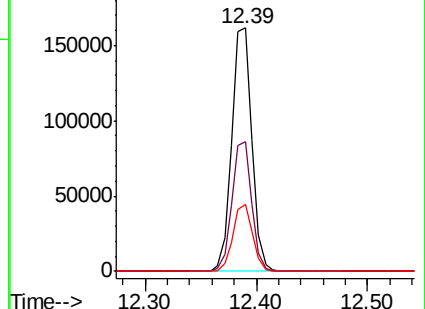
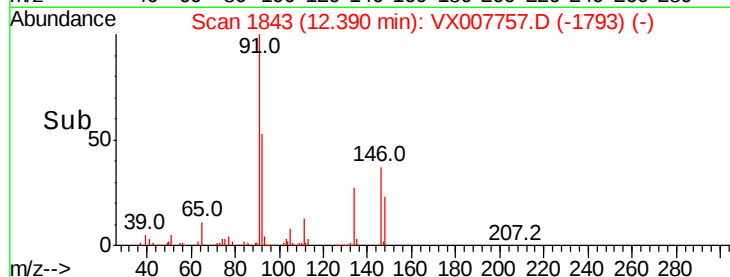
134 26.9 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.145 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007757.D

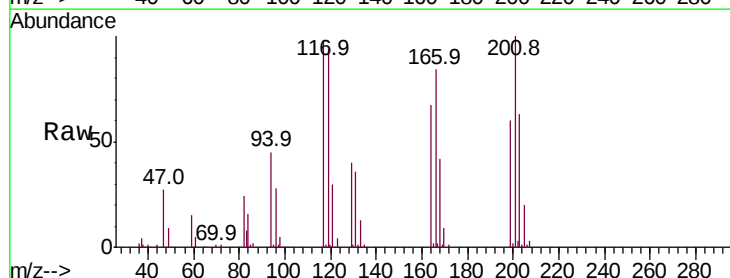
Acq: 28 Feb 2019 11:05

Tgt Ion: 117 Resp: 37227

Ion Ratio Lower Upper

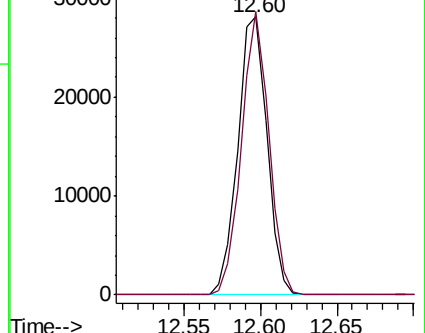
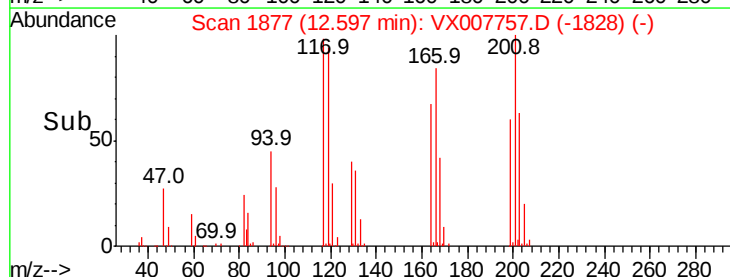
117 100

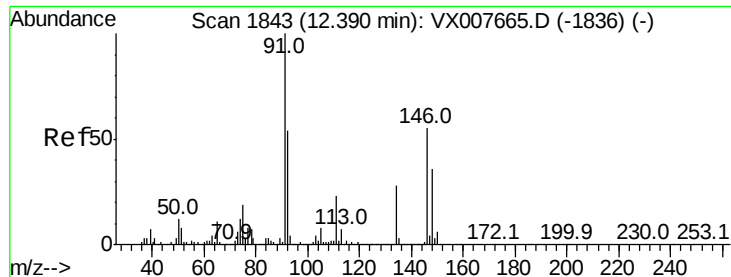
201 95.1 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.508 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

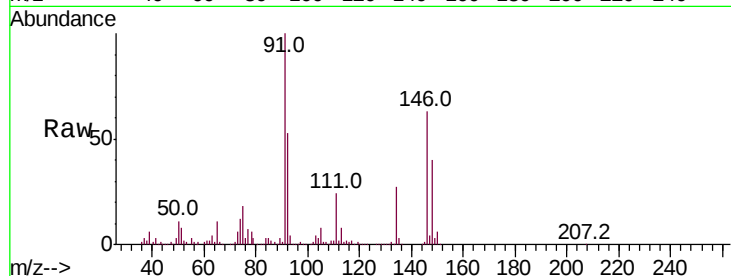
Tot Ion:146 Resp: 128098

Ion Ratio Lower Upper

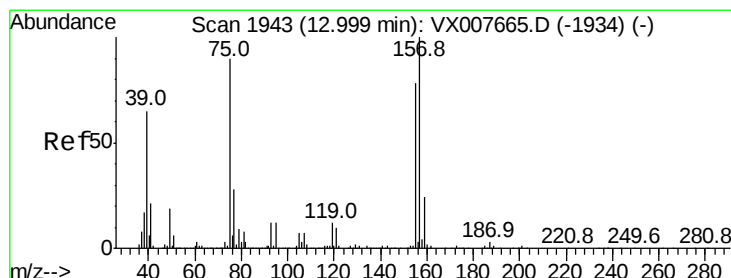
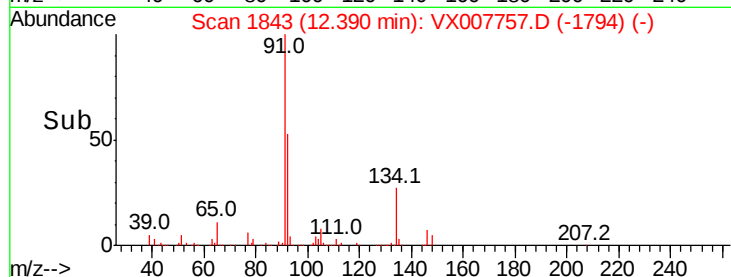
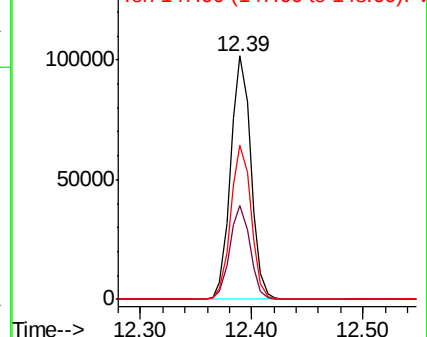
146 100

111 38.4 19.1 57.3

148 63.4 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.194 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

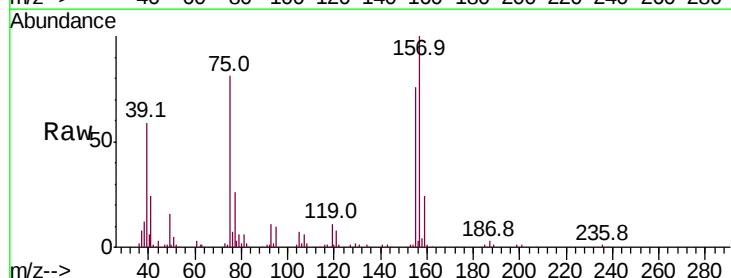
Tgt Ion: 75 Resp: 18145

Ion Ratio Lower Upper

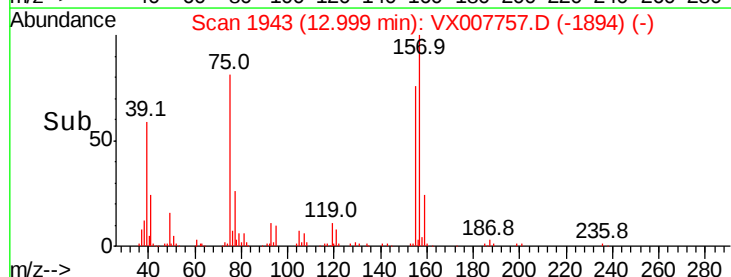
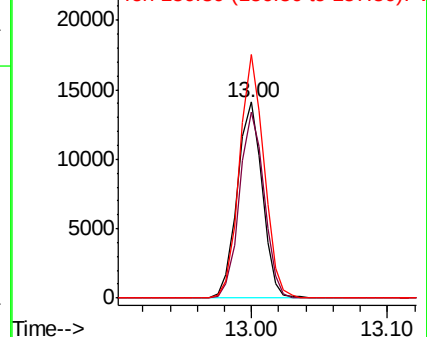
75 100

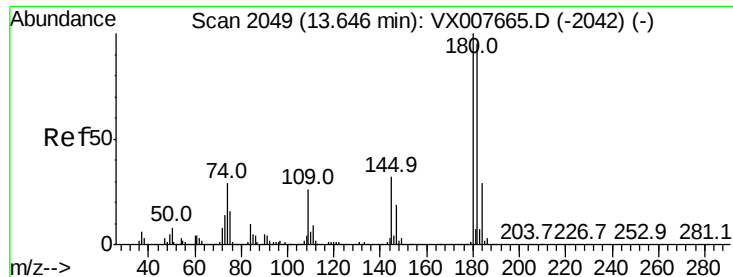
155 92.9 49.6 149.0

157 120.9 65.1 195.3



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

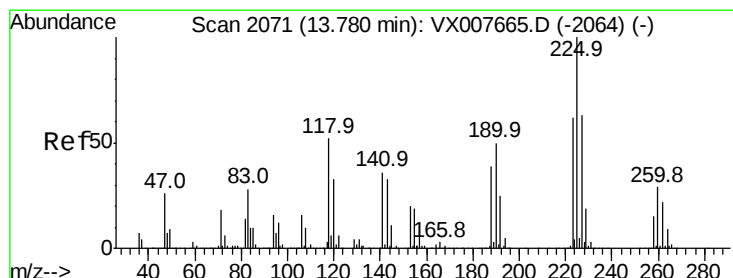
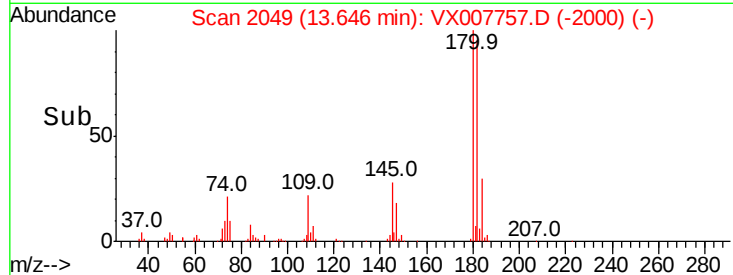
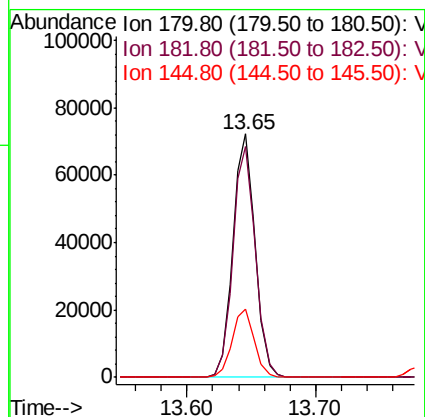
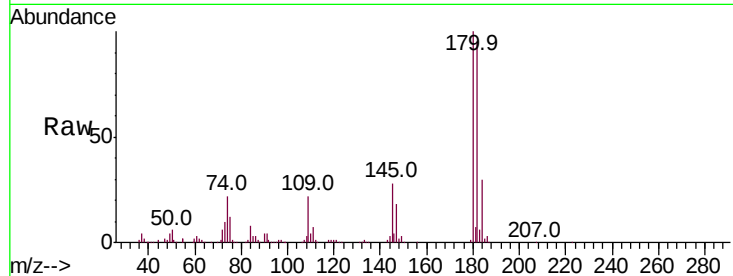




#93
1,2,4-Trichlorobenzene
Concen: 20.654 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

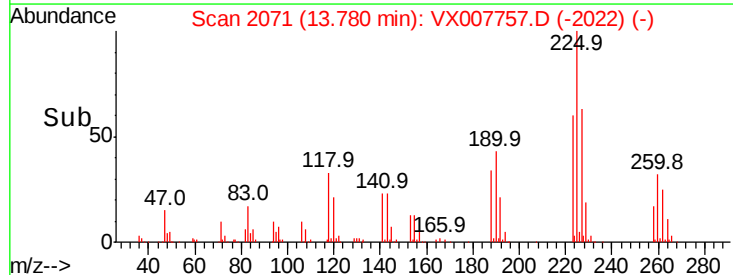
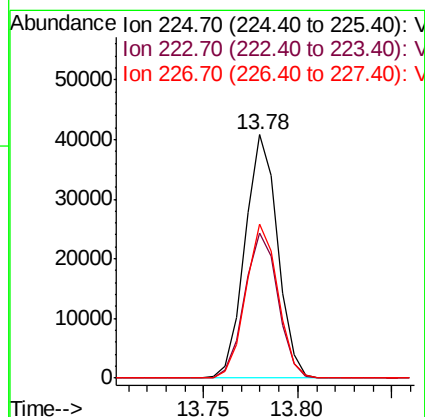
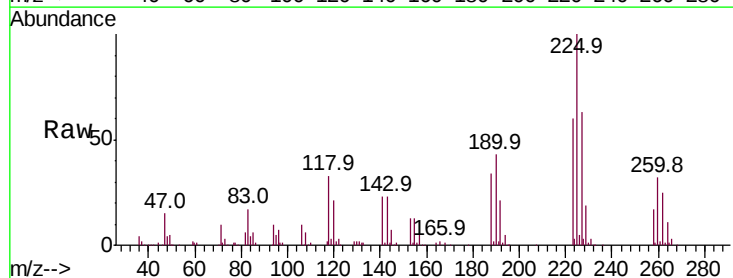
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

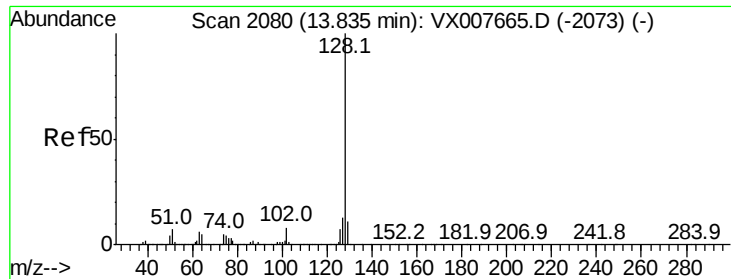
Tot Ion:180 Resp: 87259
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 28.2 14.1 42.2



#94
Hexachlorobutadiene
Concen: 25.324 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007757.D
Acq: 28 Feb 2019 11:05

Tgt Ion:225 Resp: 48944
Ion Ratio Lower Upper
225 100
223 61.0 31.6 94.8
227 62.6 32.1 96.3





#95

Naphthalene

Concen: 18.312 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

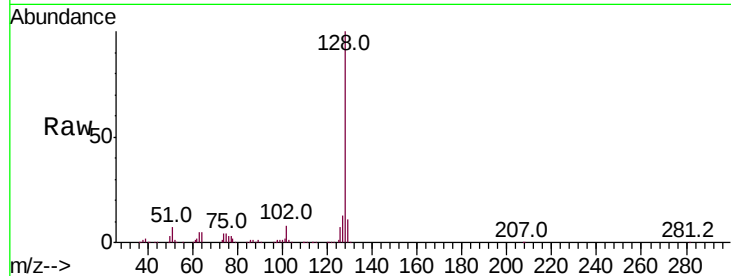
Tot Ion:128 Resp: 250654

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

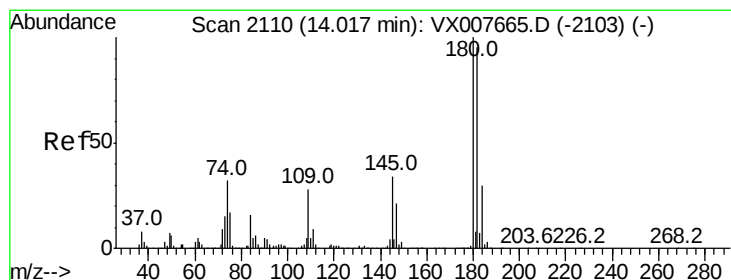
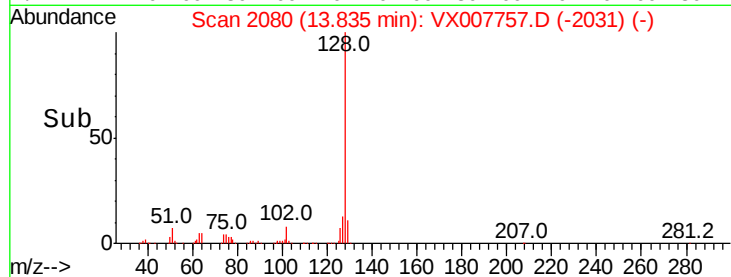
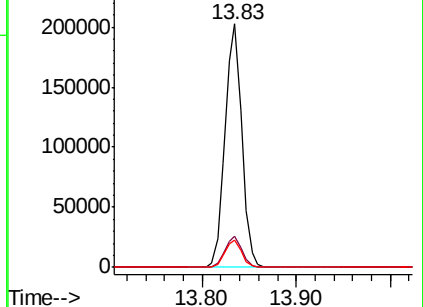
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.480 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007757.D

Acq: 28 Feb 2019 11:05

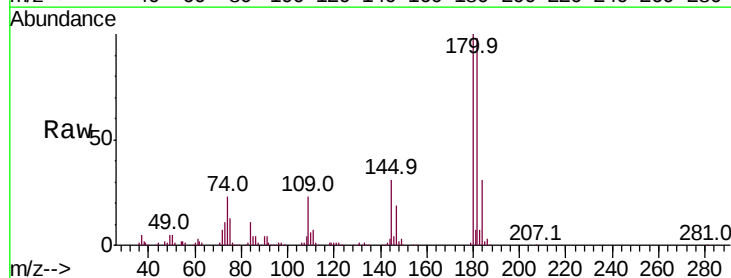
Tgt Ion:180 Resp: 86877

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 30.3 14.9 44.5



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

