

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003993.D
 Acq On : 13 Aug 2018 12:09
 Operator : JC/MD
 Sample : VX0813WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Quant Time: Aug 14 03:05:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	273963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	221265	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.50	113	176804	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	8.71	98	701607	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.14	95	254290	56.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67577	20.52	ug/l	99
3) Chloromethane	1.32	50	77278	17.24	ug/l	99
4) Vinyl Chloride	1.40	62	86420	19.34	ug/l	100
5) Bromomethane	1.64	94	43309	15.21	ug/l	98
6) Chloroethane	1.73	64	59363	20.76	ug/l	99
7) Trichlorofluoromethane	1.93	101	122364	20.74	ug/l	95
8) Diethyl Ether	2.18	74	52048	19.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	77334	20.97	ug/l	100
10) Methyl Iodide	2.51	142	57343	12.50	ug/l	100
11) Tert butyl alcohol	3.04	59	100937	97.49	ug/l	99
12) 1,1-Dichloroethene	2.38	96	69324	19.87	ug/l	96
13) Acrolein	2.29	56	33130	58.05	ug/l	99
14) Allyl chloride	2.73	41	131222	19.51	ug/l	96
15) Acrylonitrile	3.14	53	248372	100.53	ug/l	100
16) Acetone	2.43	43	260204	101.51	ug/l	99
17) Carbon Disulfide	2.57	76	184194	17.31	ug/l	99
18) Methyl Acetate	2.77	43	115745	20.74	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	259970	21.03	ug/l	98
20) Methylene Chloride	2.86	84	84927	13.67	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	79847	20.16	ug/l	95
22) Diisopropyl ether	3.86	45	277459	22.44	ug/l	93
23) Vinyl Acetate	3.82	43	1147618	111.57	ug/l	99
24) 1,1-Dichloroethane	3.70	63	153406	20.89	ug/l	100
25) 2-Butanone	4.69	43	395096	102.51	ug/l	98
26) 2,2-Dichloropropane	4.58	77	119756	22.61	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	89618	20.85	ug/l	99
28) Bromochloromethane	5.02	49	57044	18.15	ug/l	100
29) Tetrahydrofuran	5.15	42	194988	98.43	ug/l	99
30) Chloroform	5.21	83	148111	21.42	ug/l	97
31) Cyclohexane	5.57	56	119993	19.32	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123077	21.23	ug/l	99
36) 1,1-Dichloropropene	5.80	75	108865	20.54	ug/l	99
37) Ethyl Acetate	4.85	43	116560	19.99	ug/l	100
38) Carbon Tetrachloride	5.78	117	109042	21.62	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Quant Time: Aug 14 03:05:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125078	20.02	ug/l	98
40) Benzene	6.14	78	331927	20.86	ug/l	98
41) Methacrylonitrile	5.05	41	66099	20.59	ug/l	99
42) 1,2-Dichloroethane	6.20	62	118163	21.96	ug/l	99
43) Isopropyl Acetate	6.46	43	182258	20.77	ug/l	100
44) Trichloroethene	7.21	130	91818	21.09	ug/l	88
45) 1,2-Dichloropropane	7.52	63	88831	21.61	ug/l	99
46) Dibromomethane	7.66	93	56907	21.33	ug/l	97
47) Bromodichloromethane	7.90	83	108108	21.51	ug/l	99
48) Methyl methacrylate	7.77	41	92035	20.64	ug/l	99
49) 1,4-Dioxane	7.76	88	40787	388.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	766115	105.34	ug/l	99
52) Toluene	8.79	92	216890	21.57	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	117042	20.60	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	130223	21.26	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	86897	21.15	ug/l	99
56) Ethyl methacrylate	9.18	69	118932	19.95	ug/l	98
57) 1,3-Dichloropropane	9.37	76	147854	21.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	287832	98.17	ug/l	99
59) 2-Hexanone	9.50	43	576917	106.12	ug/l	99
60) Dibromochloromethane	9.59	129	85566	22.33	ug/l	99
61) 1,2-Dibromoethane	9.67	107	90581	22.02	ug/l	100
64) Tetrachloroethene	9.34	164	86370	19.77	ug/l	97
65) Chlorobenzene	10.14	112	235455	20.38	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	82193	20.69	ug/l	99
67) Ethyl Benzene	10.26	91	392241	20.74	ug/l	93
68) m/p-Xylenes	10.36	106	305893	41.39	ug/l	96
69) o-Xylene	10.70	106	140733	20.17	ug/l	98
70) Styrene	10.71	104	243825	21.34	ug/l	97
71) Bromoform	10.86	173	61579	20.73	ug/l #	98
73) Isopropylbenzene	11.02	105	403279	19.90	ug/l	97
74) N-amyl acetate	6.46	43	182258	17.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	135620	19.52	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	148688	24.57	ug/l	84
77) Bromobenzene	11.26	156	107183	19.82	ug/l	100
78) n-propylbenzene	11.36	91	465194	20.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	272348	19.63	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	338210	20.47	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	35316	17.79	ug/l	96
82) 4-Chlorotoluene	11.51	91	323370	19.89	ug/l	99
83) tert-Butylbenzene	11.77	119	335745	20.65	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	355454	21.39	ug/l	99
85) sec-Butylbenzene	11.94	105	394893	20.58	ug/l	100
86) p-Isopropyltoluene	12.07	119	356361	20.70	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	198683	19.88	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	207220	19.99	ug/l	98
89) n-Butylbenzene	12.39	91	293901	19.59	ug/l	99
90) Hexachloroethane	12.60	117	49454	17.69	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	190585	19.24	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23006	16.17	ug/l	97

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ALS Vial : 4 Sample Multiplier: 1

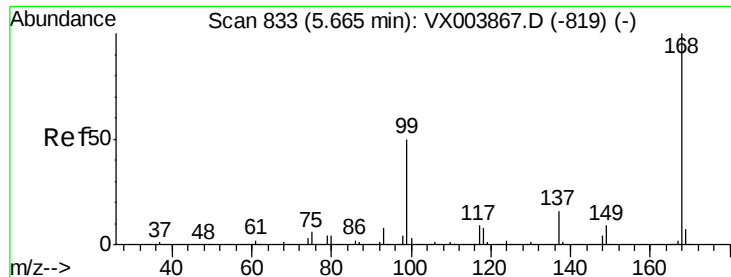
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Quant Time: Aug 14 03:05:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124381	17.46	ug/l	98
94) Hexachlorobutadiene	13.78	225	62225	18.65	ug/l	97
95) Naphthalene	13.83	128	385640	18.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	139448	19.61	ug/l	100

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

Page: 4



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

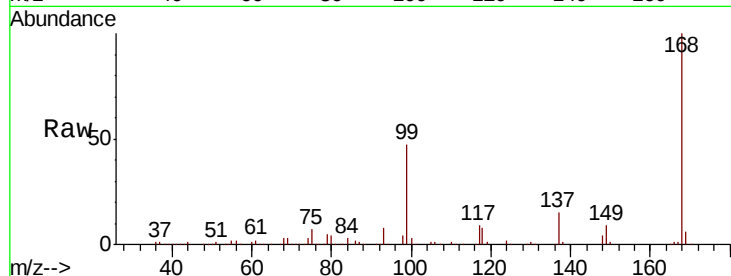
VX0813WBS01

Tot Ion:168 Resp: 325047

Ion Ratio Lower Upper

168 100

99 46.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

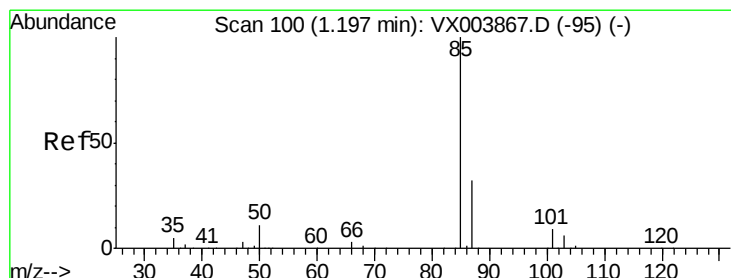
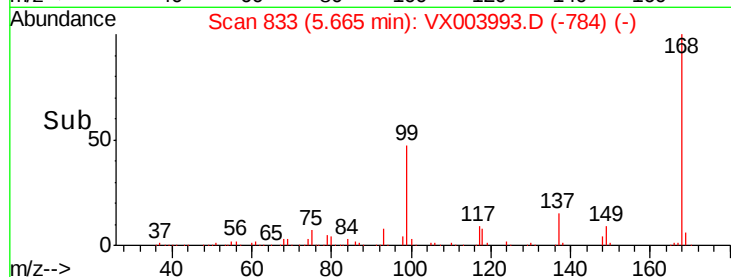
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003993.D

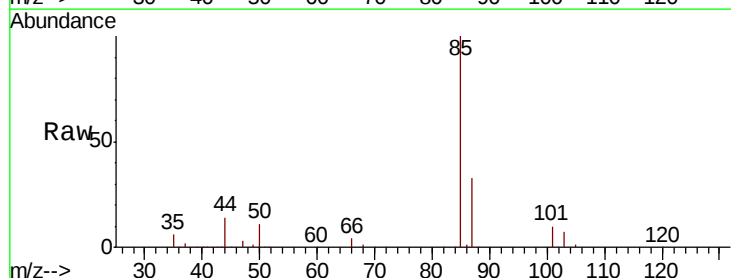
Acq: 13 Aug 2018 12:09

Tgt Ion: 85 Resp: 67577

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

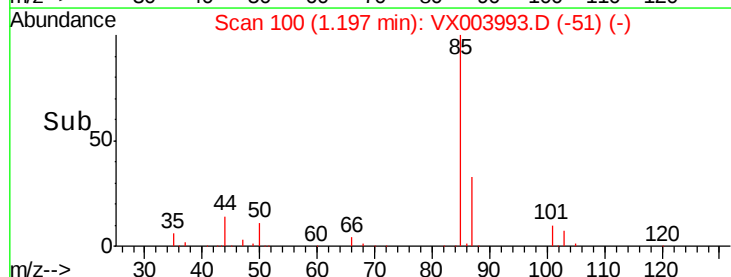
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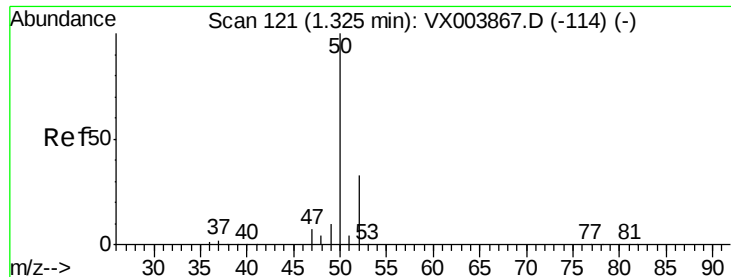
40000

20000

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Time-->





#3

Chloromethane

Concen: 17.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

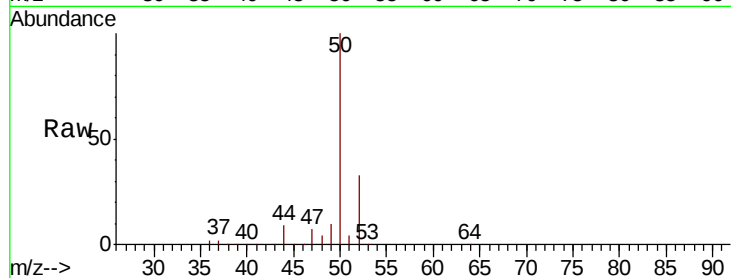
VX0813WBS01

Tot Ion: 50 Resp: 77278

Ion Ratio Lower Upper

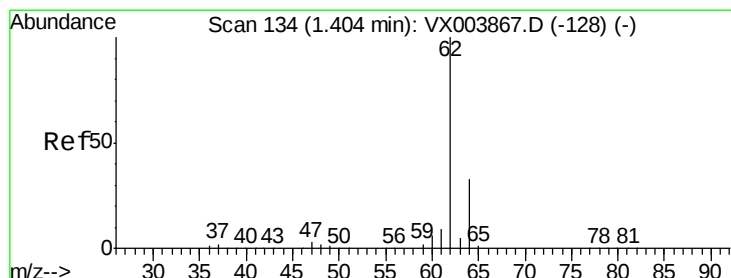
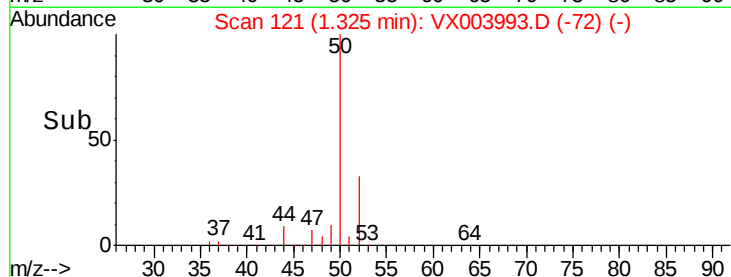
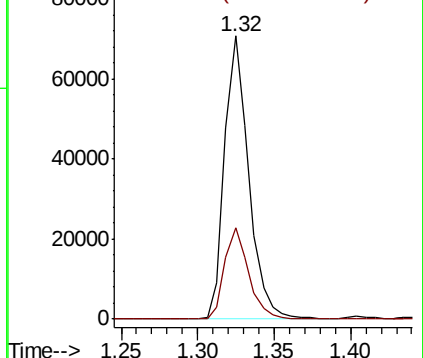
50 100

52 32.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.34 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003993.D

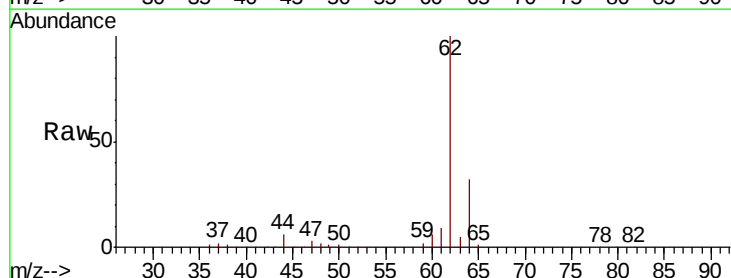
Acq: 13 Aug 2018 12:09

Tgt Ion: 62 Resp: 86420

Ion Ratio Lower Upper

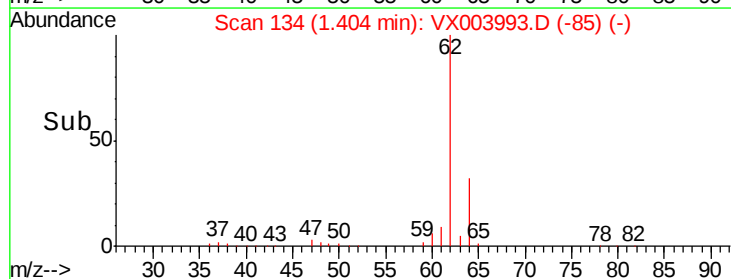
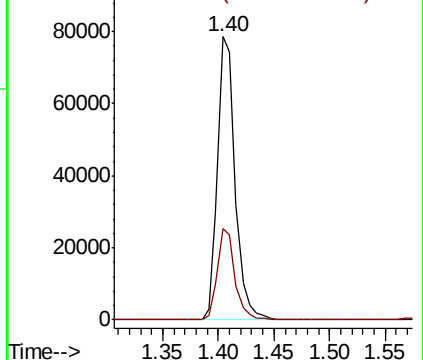
62 100

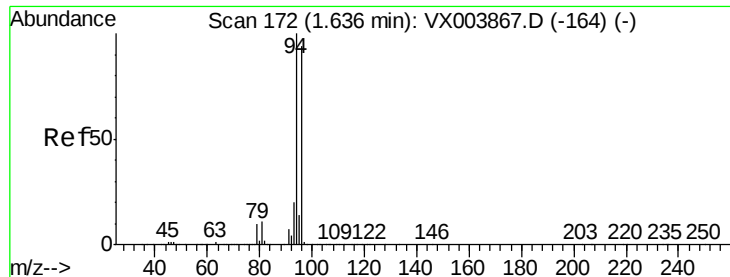
64 32.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.21 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

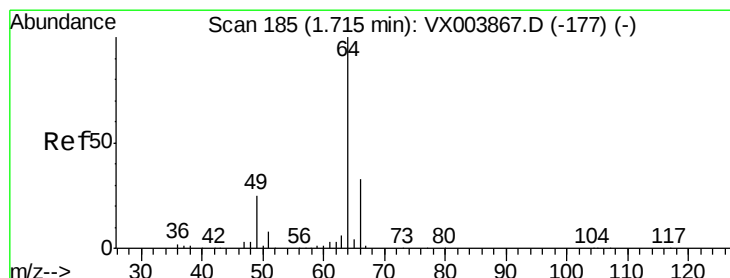
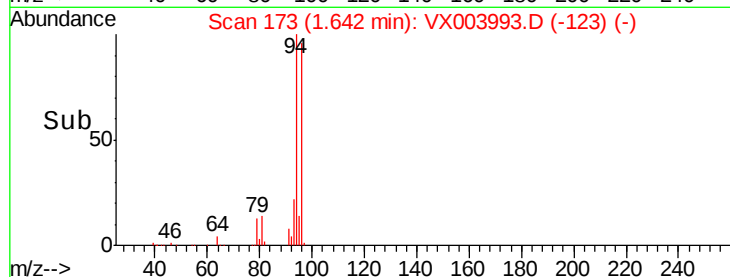
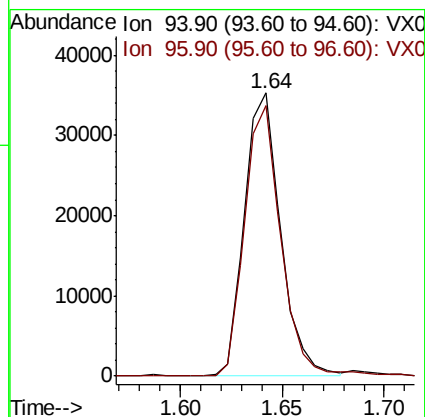
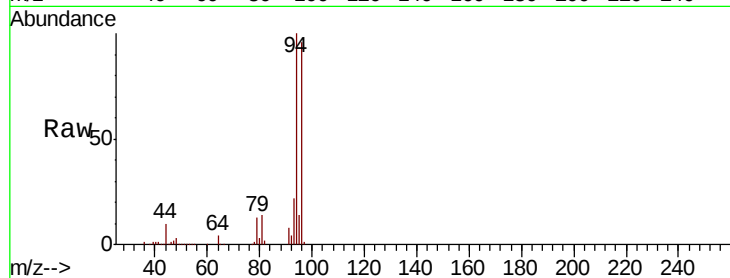
VX0813WBS01

Tot Ion: 94 Resp: 43309

Ion Ratio Lower Upper

94 100

96 95.6 75.2 112.8



#6

Chloroethane

Concen: 20.76 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003993.D

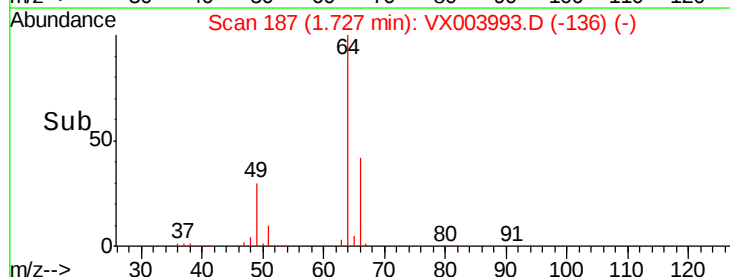
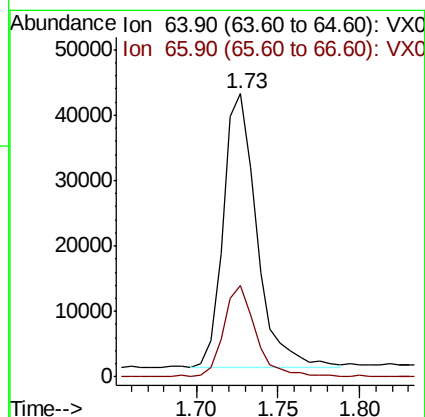
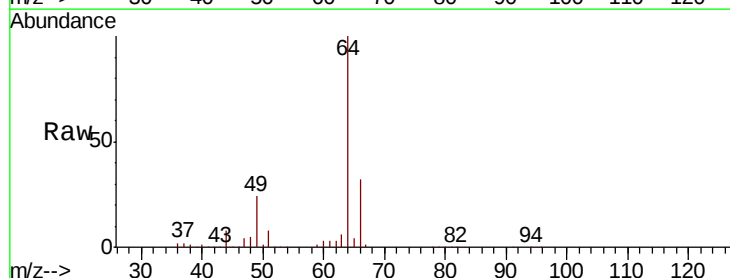
Acq: 13 Aug 2018 12:09

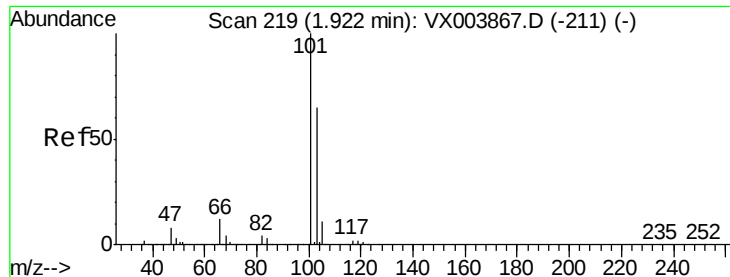
Tgt Ion: 64 Resp: 59363

Ion Ratio Lower Upper

64 100

66 33.4 26.5 39.7



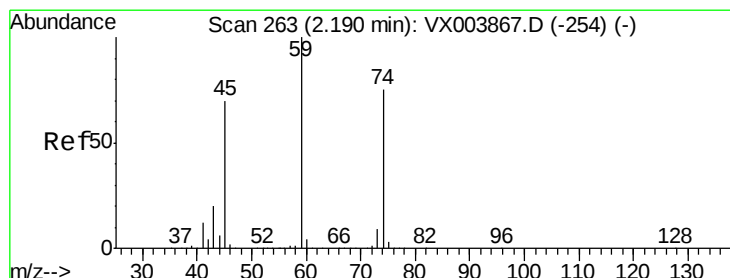
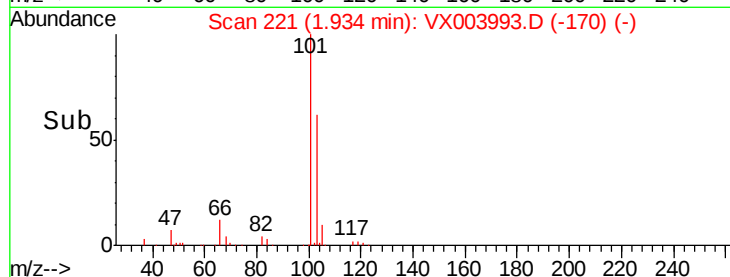
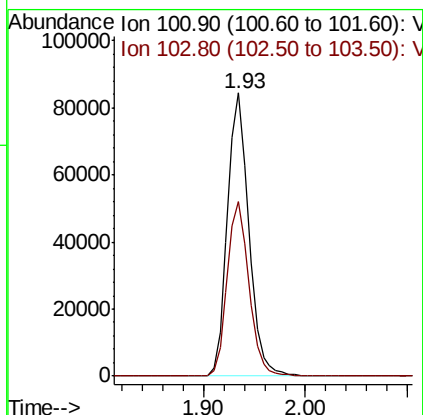
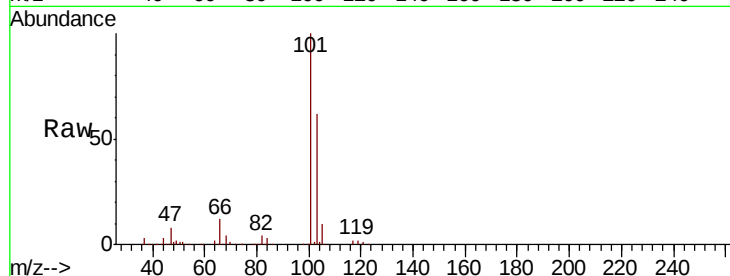


#7

Trichlorofluoromethane
 Concen: 20.74 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

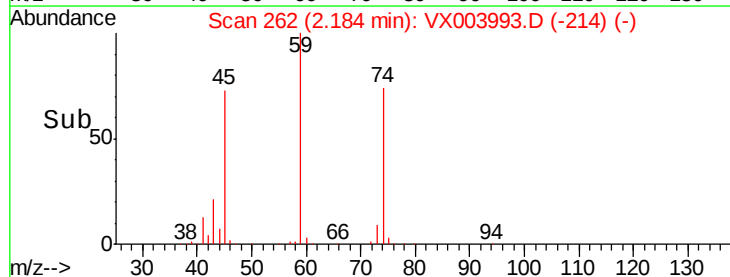
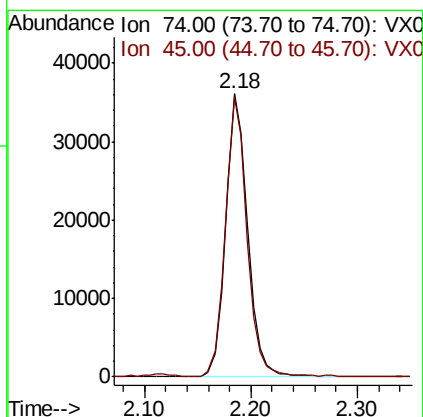
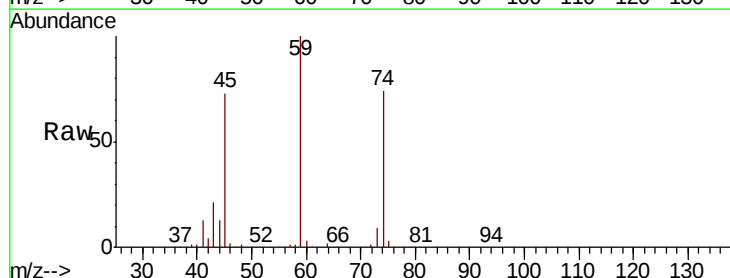
Tot Ion:101 Resp: 122364
 Ion Ratio Lower Upper
 101 100
 103 61.7 52.3 78.5

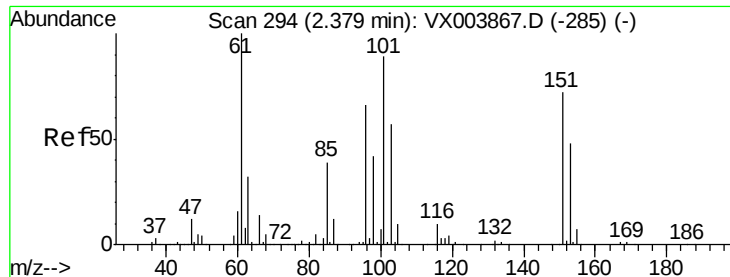


#8

Diethyl Ether
 Concen: 19.62 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion: 74 Resp: 52048
 Ion Ratio Lower Upper
 74 100
 45 97.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.97 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

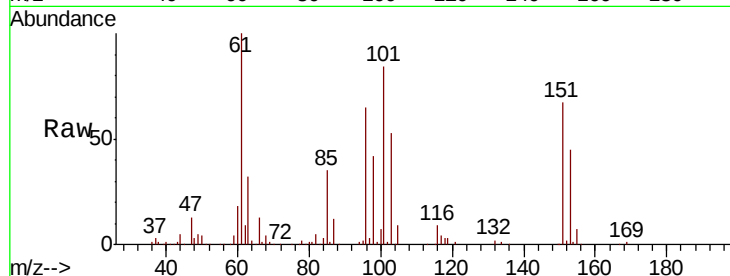
Tot Ion:101 Resp: 77334

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

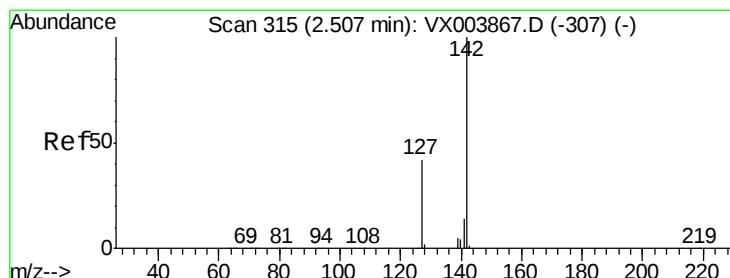
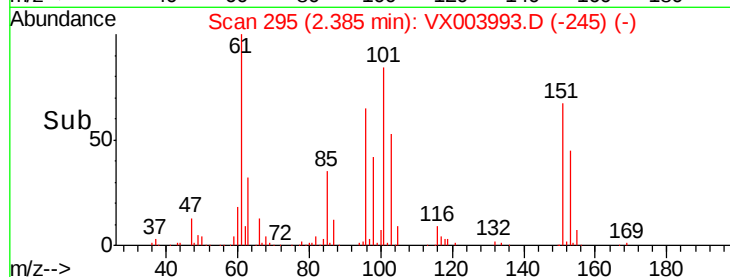
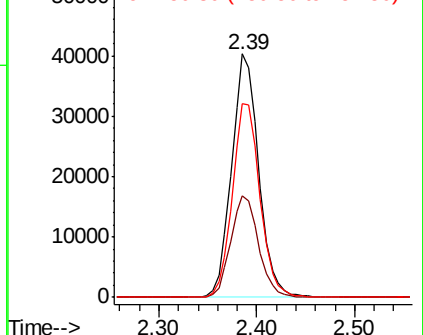
151 81.4 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.50 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

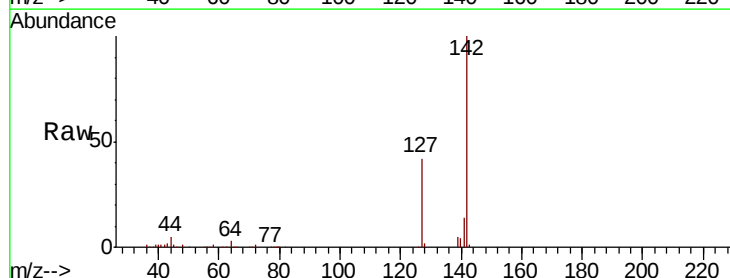
Tgt Ion:142 Resp: 57343

Ion Ratio Lower Upper

142 100

127 41.8 33.1 49.7

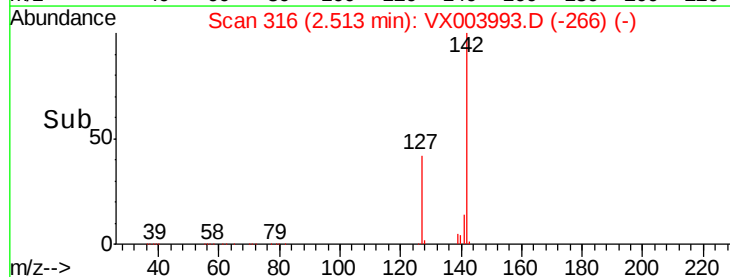
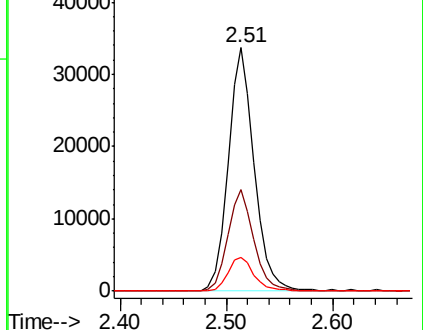
141 14.0 11.1 16.7

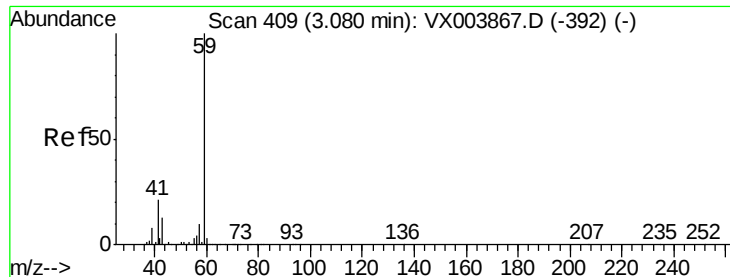


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



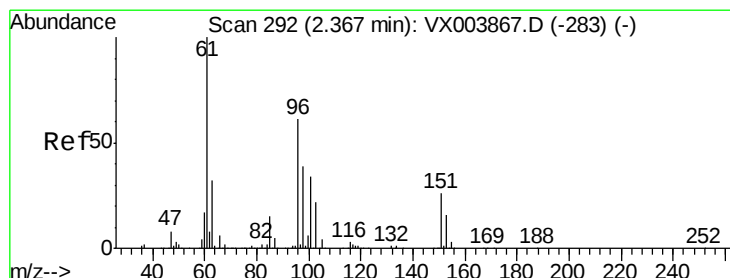
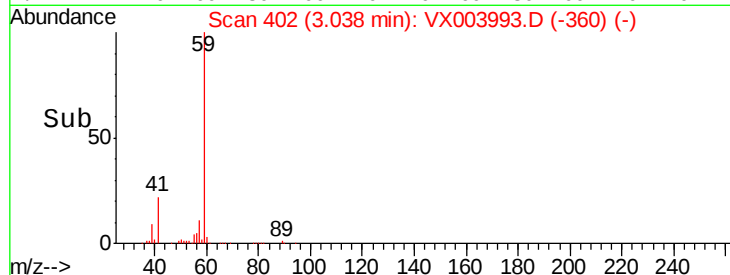
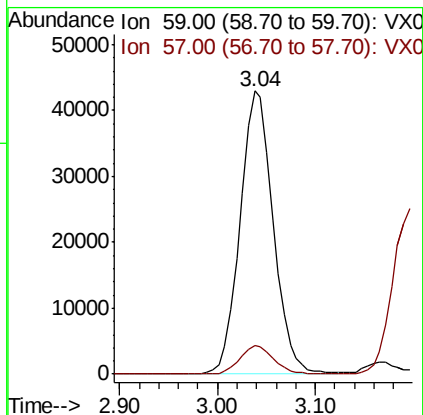
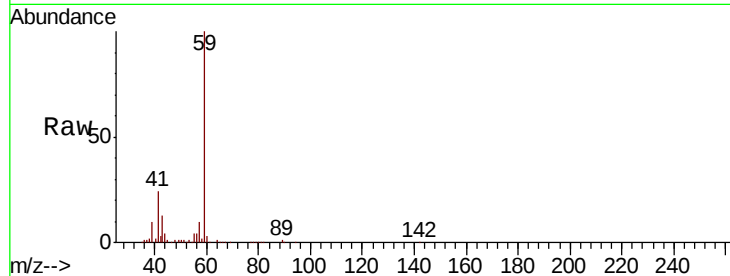


#11

Tert butyl alcohol
 Concen: 97.49 ug/l
 RT: 3.04 min Scan# 402
 Delta R.T. -0.04 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

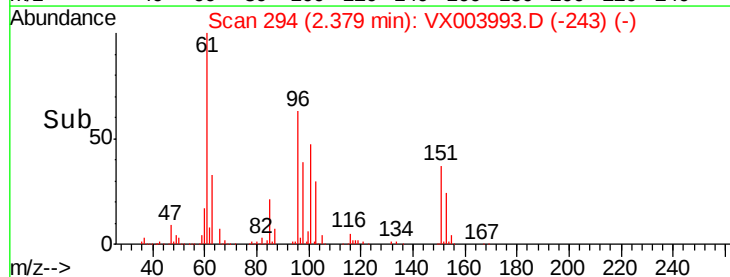
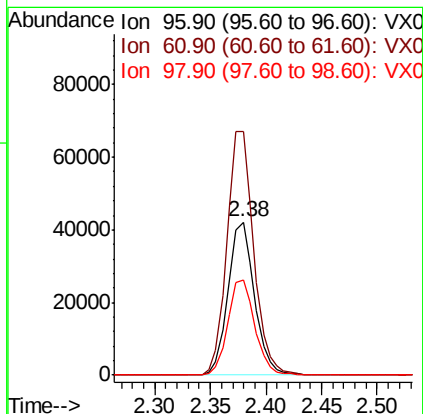
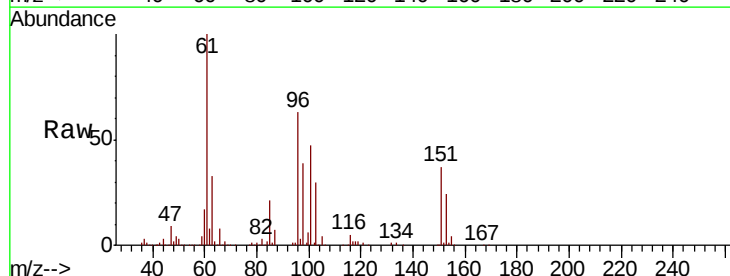
Tot Ion: 59 Resp: 100937
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

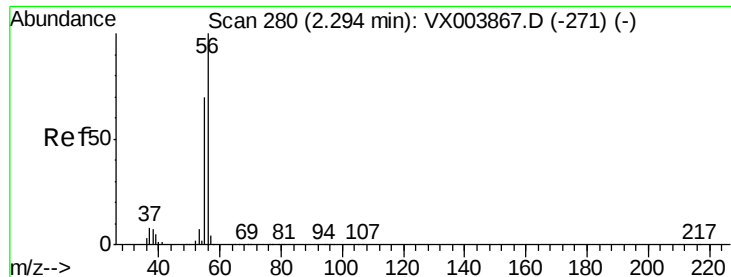


#12

1,1-Dichloroethene
 Concen: 19.87 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion: 96 Resp: 69324
 Ion Ratio Lower Upper
 96 100
 61 158.9 131.3 196.9
 98 62.1 51.8 77.6





#13

Acrolein

Concen: 58.05 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

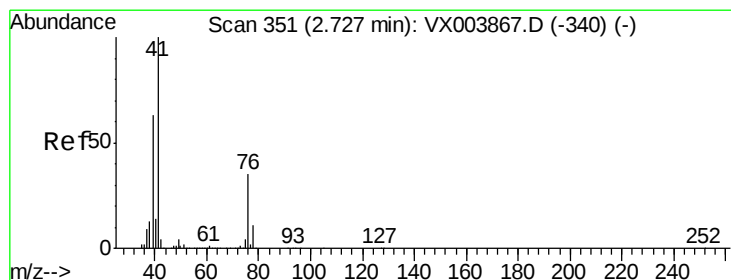
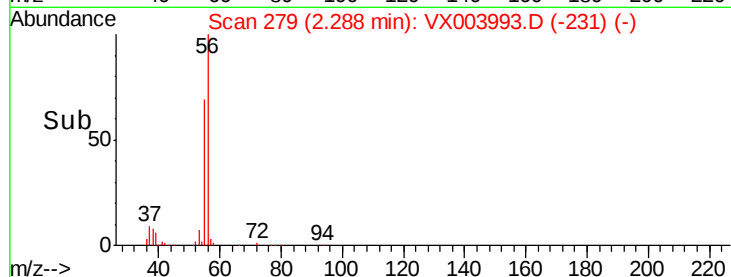
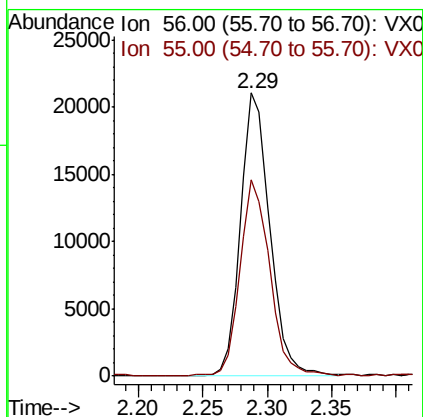
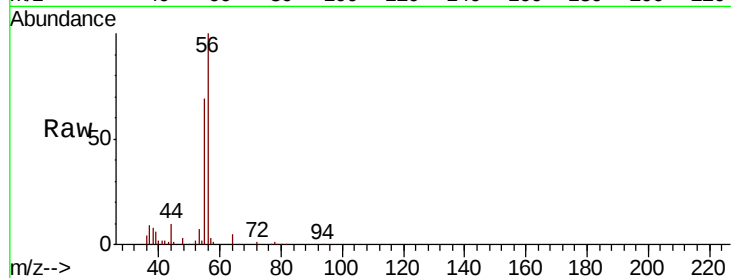
VX0813WBS01

Tot Ion: 56 Resp: 33130

Ion Ratio Lower Upper

56 100

55 70.9 56.1 84.1



#14

Allyl chloride

Concen: 19.51 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

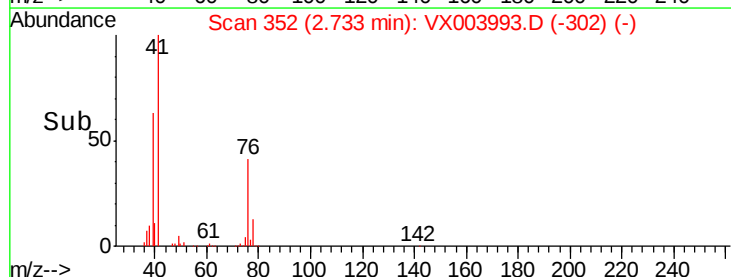
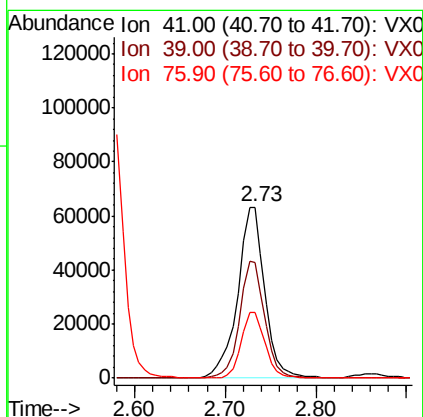
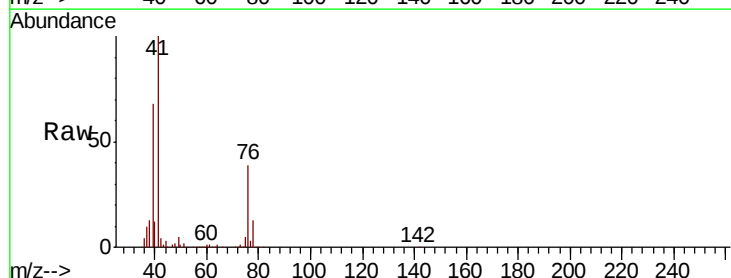
Tgt Ion: 41 Resp: 131222

Ion Ratio Lower Upper

41 100

39 62.7 47.4 71.0

76 33.8 26.0 39.0





#15

Acrylonitrile

Concen: 100.53 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

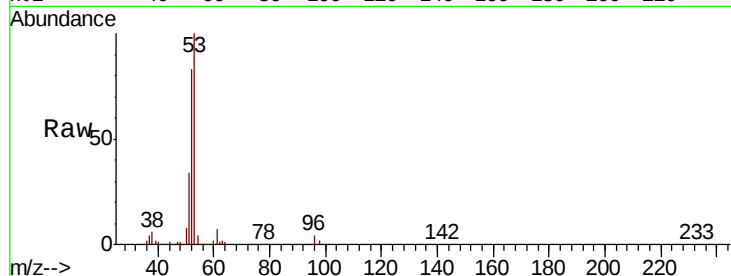
Tot Ion: 53 Resp: 248372

Ion Ratio Lower Upper

53 100

52 81.2 65.3 97.9

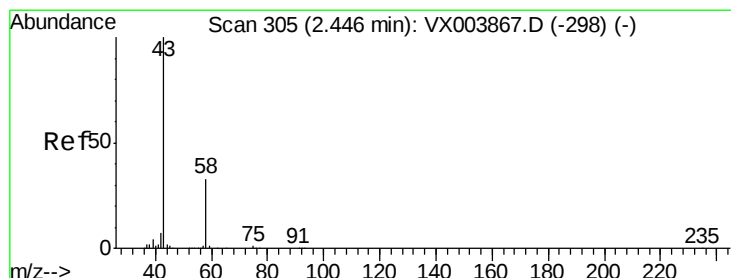
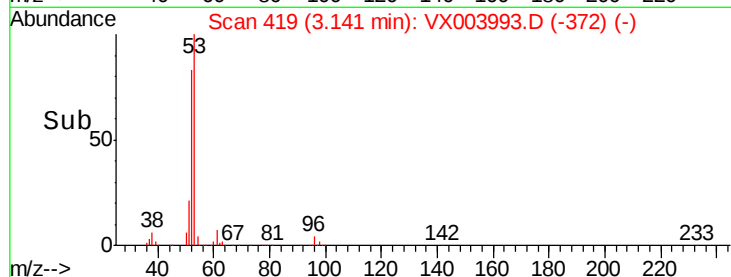
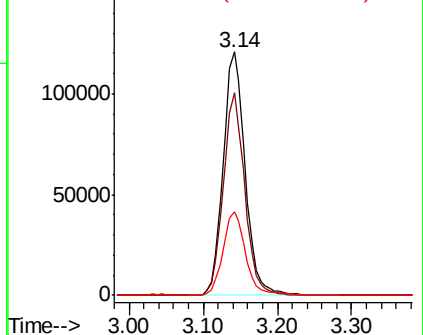
51 34.9 27.9 41.9



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: 101.51 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX003993.D

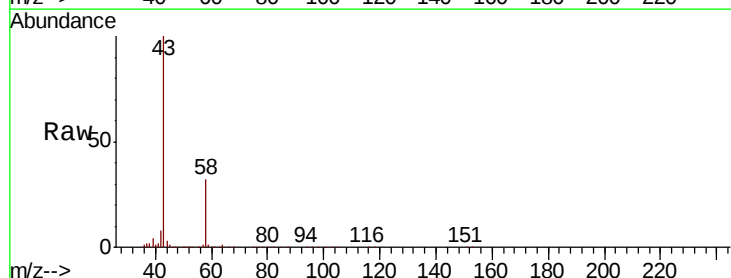
Acq: 13 Aug 2018 12:09

Tgt Ion: 43 Resp: 260204

Ion Ratio Lower Upper

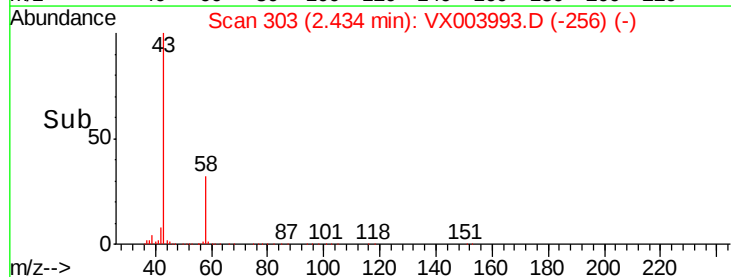
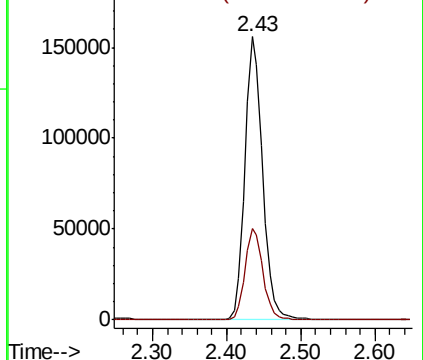
43 100

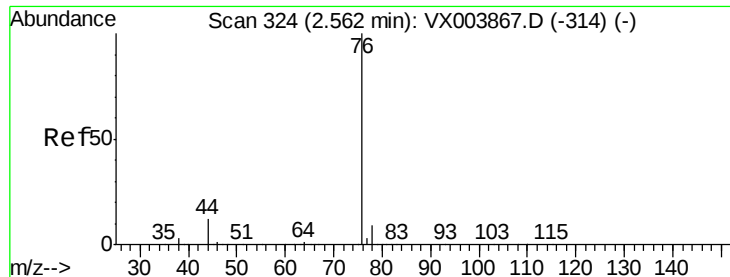
58 32.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.31 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

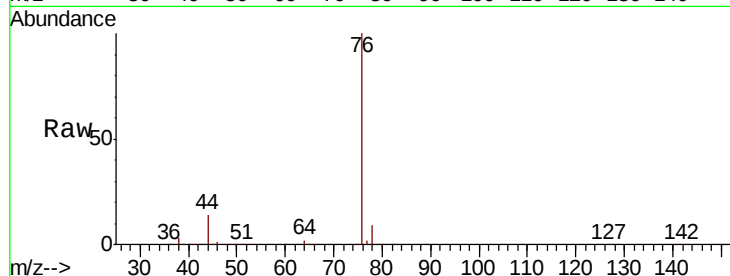
VX0813WBS01

Tot Ion: 76 Resp: 184194

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

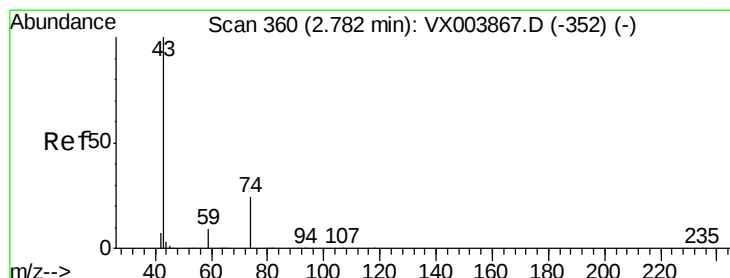
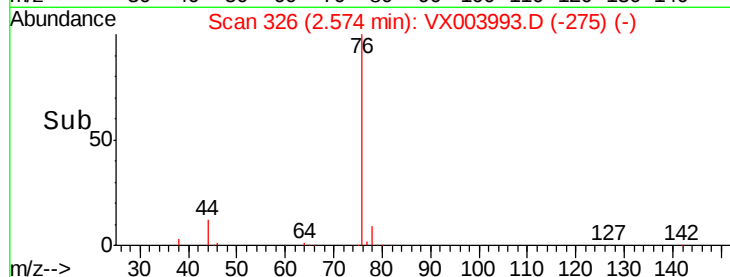
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.74 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX003993.D

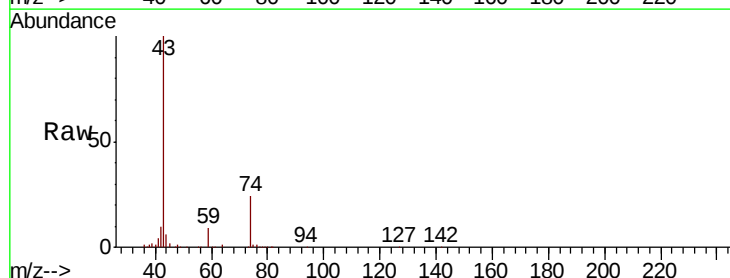
Acq: 13 Aug 2018 12:09

Tgt Ion: 43 Resp: 115745

Ion Ratio Lower Upper

43 100

74 24.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

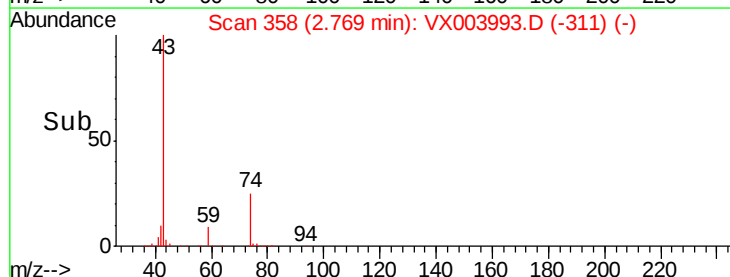
60000

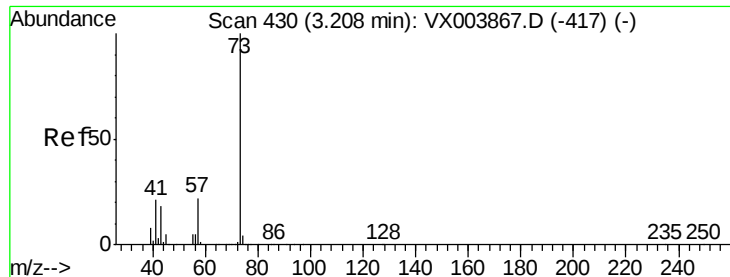
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 21.03 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

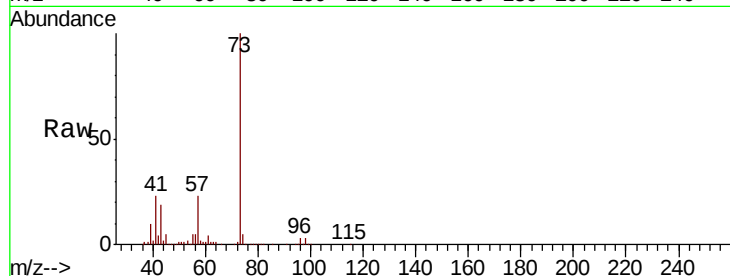
VX0813WBS01

Tot Ion: 73 Resp: 259970

Ion Ratio Lower Upper

73 100

57 23.4 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

120000

100000

80000

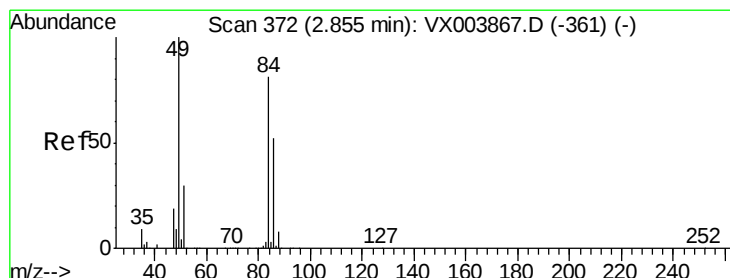
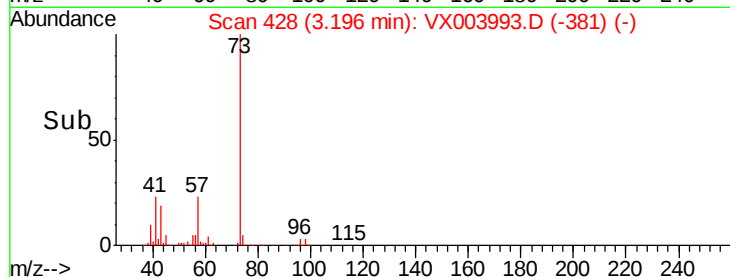
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 13.67 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion: 84 Resp: 84927

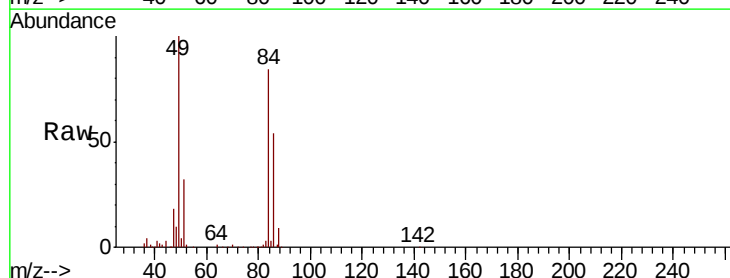
Ion Ratio Lower Upper

84 100

49 119.0 98.9 148.3

51 37.7 29.9 44.9

86 63.8 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

80000

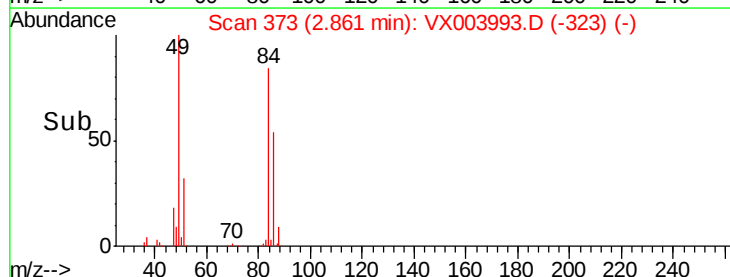
60000

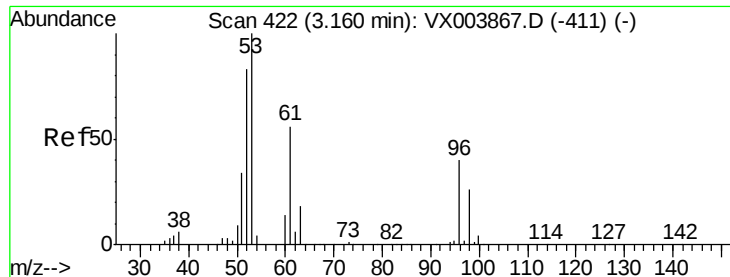
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 20.16 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

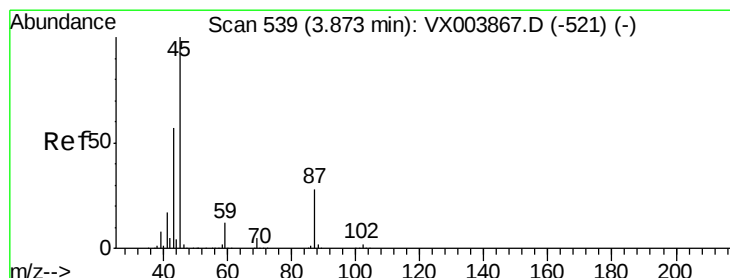
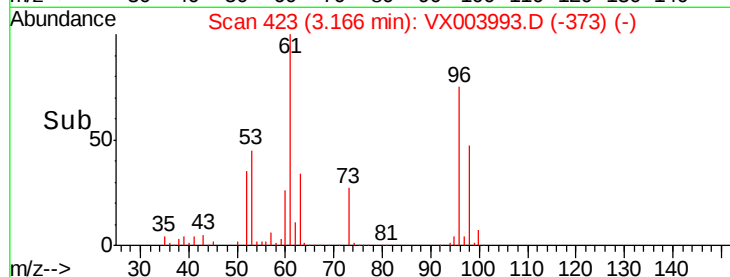
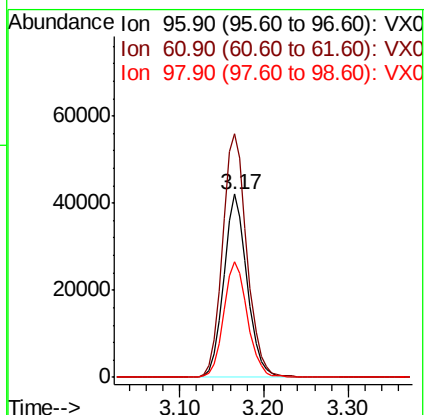
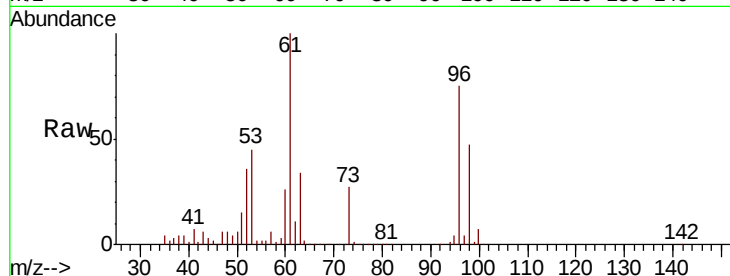
Tot Ion: 96 Resp: 79847

Ion Ratio Lower Upper

96 100

61 132.8 111.8 167.6

98 62.8 51.8 77.6



#22

Diisopropyl ether

Concen: 22.44 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion: 45 Resp: 277459

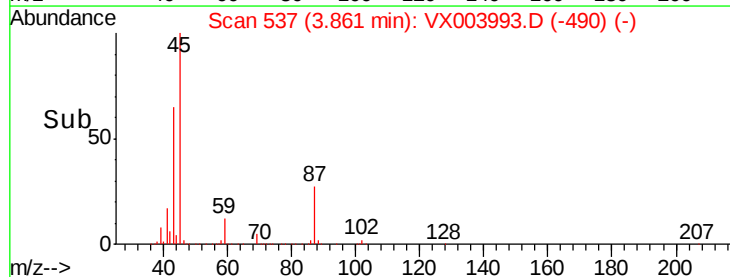
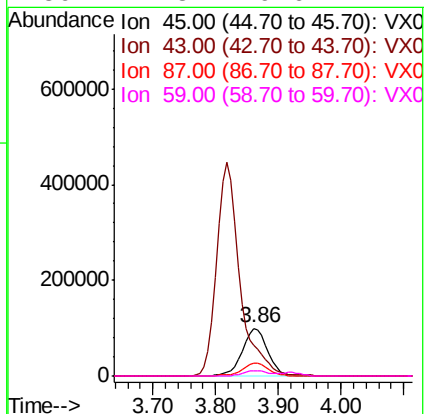
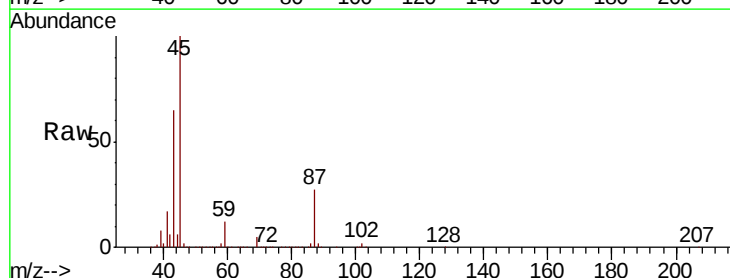
Ion Ratio Lower Upper

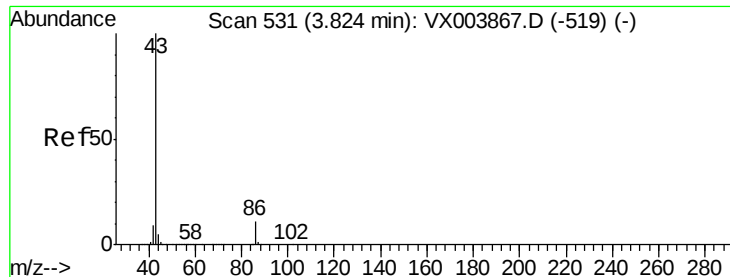
45 100

43 64.4 45.3 67.9

87 26.6 22.7 34.1

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 111.57 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

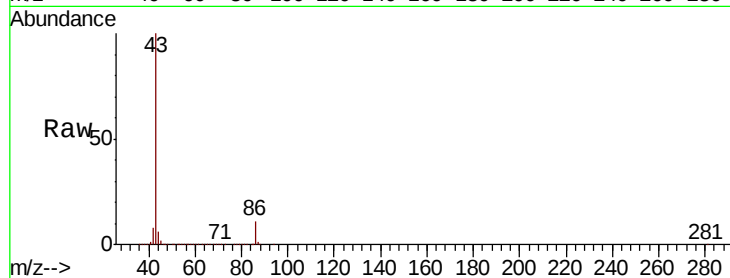
VX0813WBS01

Tot Ion: 43 Resp: 1147618

Ion Ratio Lower Upper

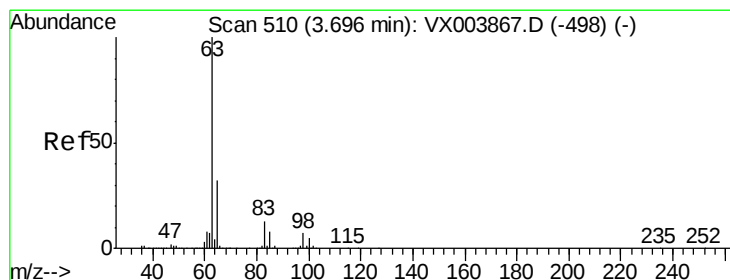
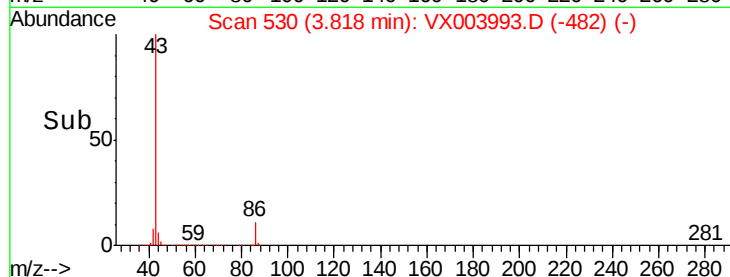
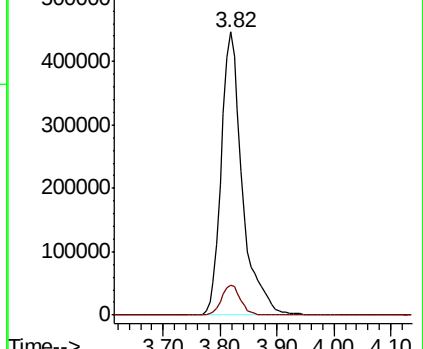
43 100

86 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

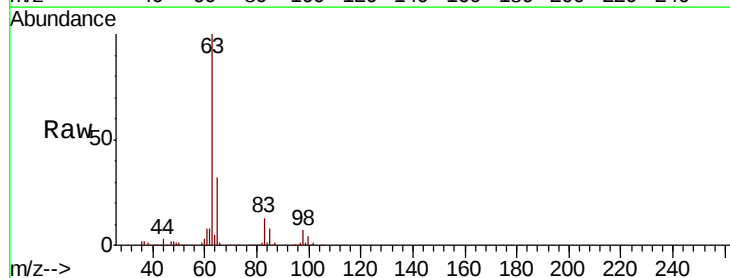
Tgt Ion: 63 Resp: 153406

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

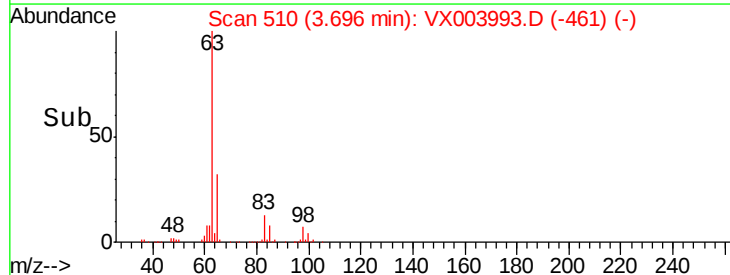
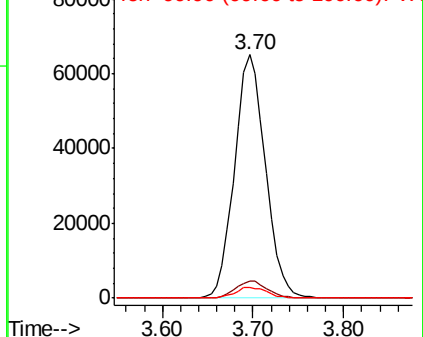
100 4.2 2.3 6.8

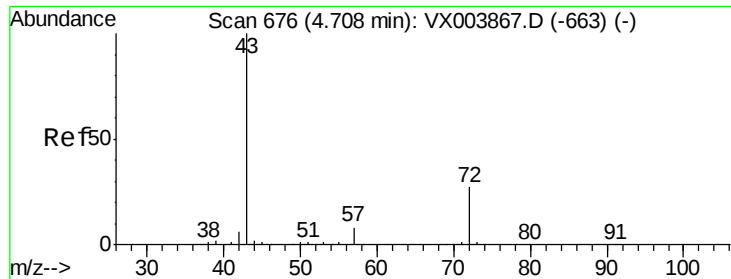


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 102.51 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

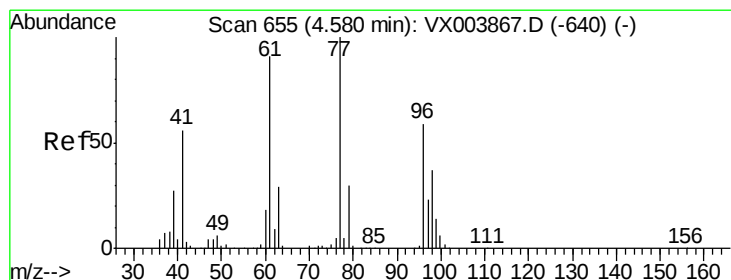
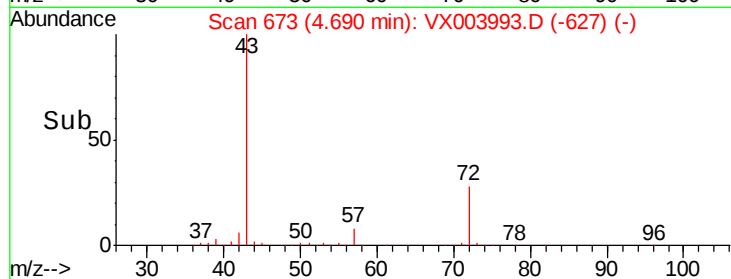
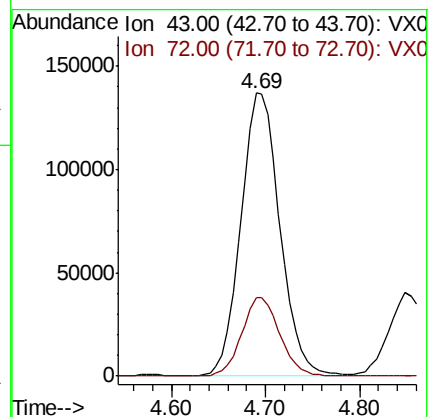
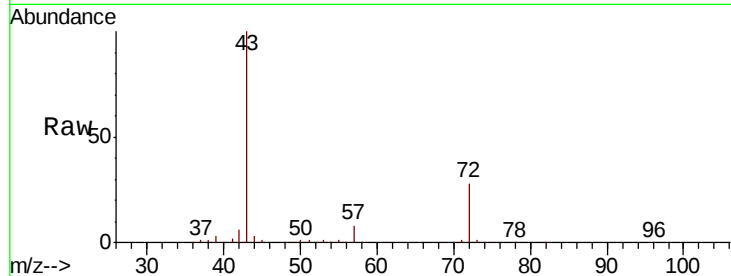
VX0813WBS01

Tot Ion: 43 Resp: 395096

Ion Ratio Lower Upper

43 100

72 27.5 21.4 32.0



#26

2,2-Dichloropropane

Concen: 22.61 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX003993.D

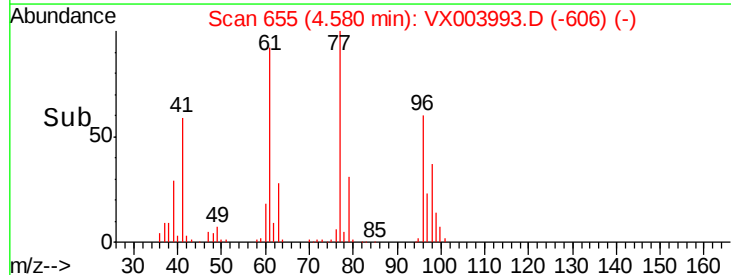
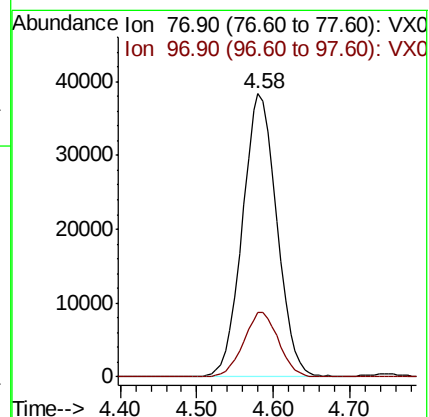
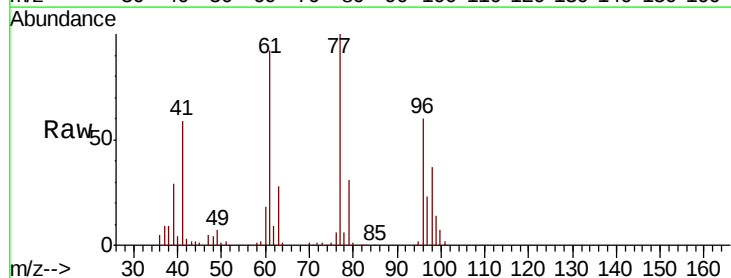
Acq: 13 Aug 2018 12:09

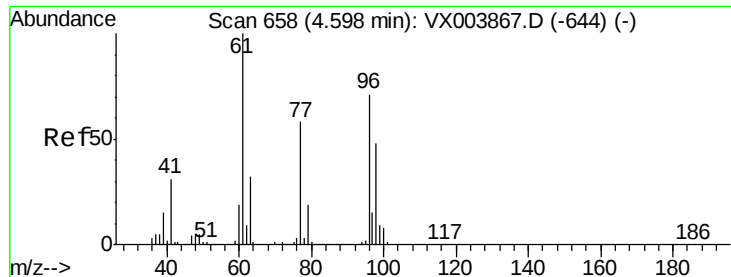
Tgt Ion: 77 Resp: 119756

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

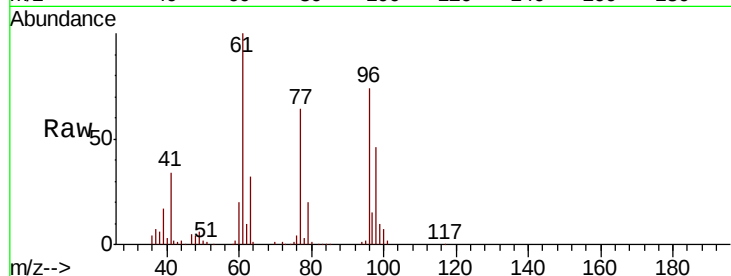
Tot Ion: 96 Resp: 89618

Ion Ratio Lower Upper

96 100

61 145.8 0.0 293.0

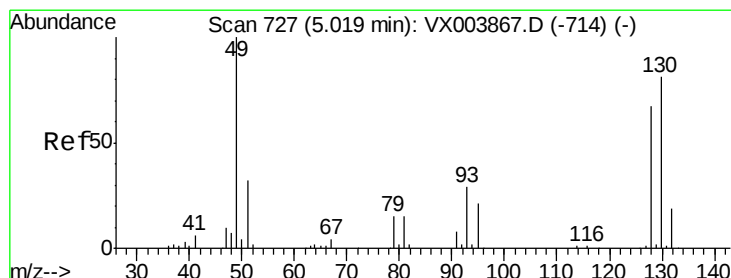
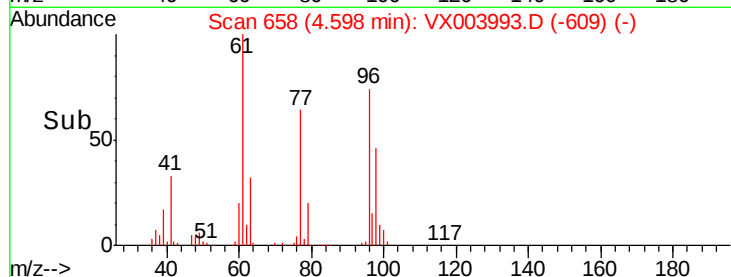
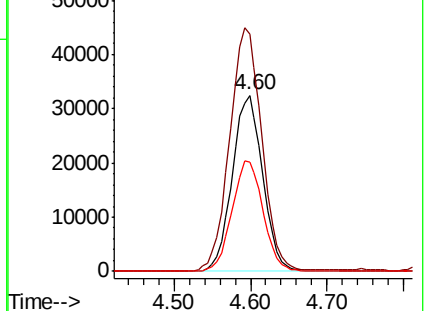
98 63.7 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 18.15 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

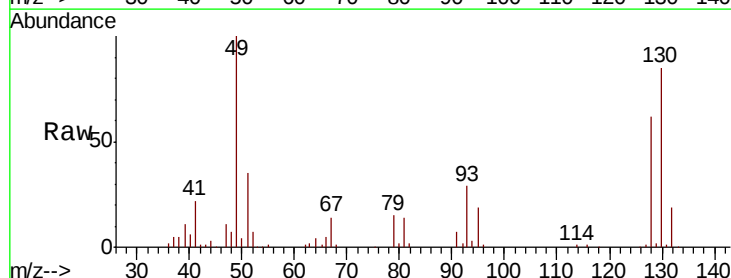
Tgt Ion: 49 Resp: 57044

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

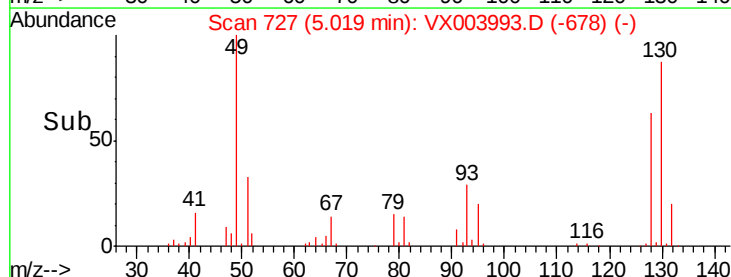
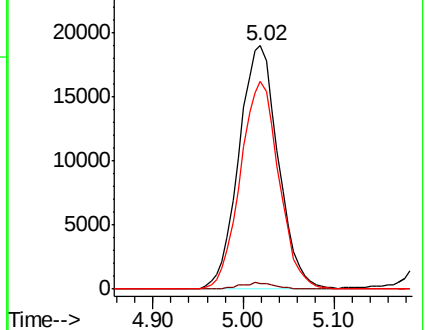
130 83.4 66.5 99.7

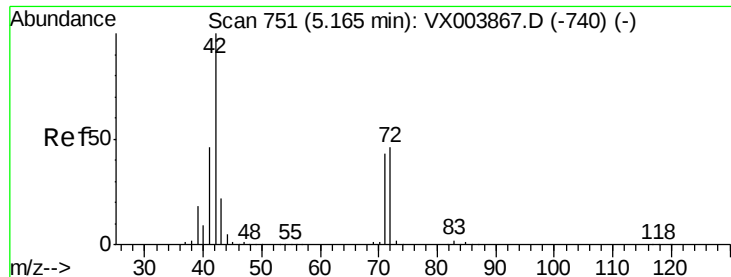


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.43 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

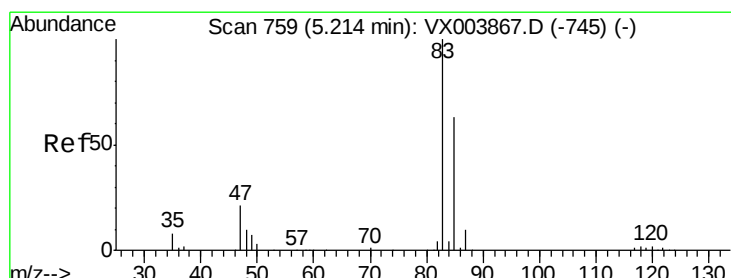
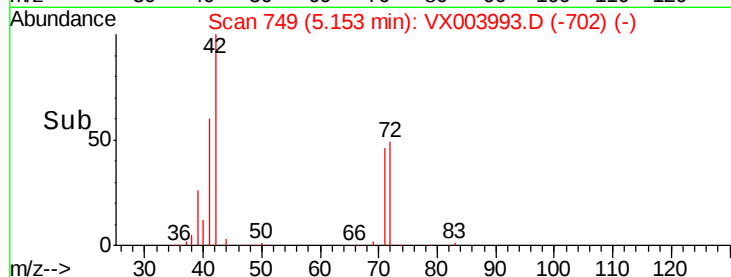
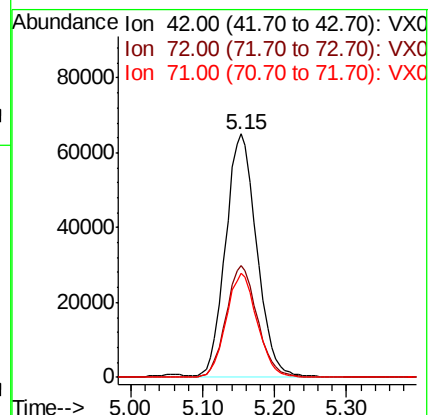
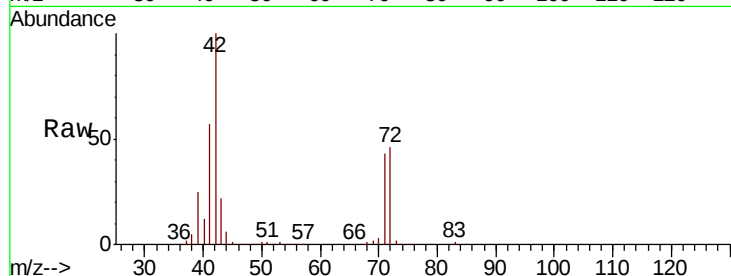
Tot Ion: 42 Resp: 194988

Ion Ratio Lower Upper

42 100

72 46.2 37.7 56.5

71 42.7 35.0 52.6



#30

Chloroform

Concen: 21.42 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX003993.D

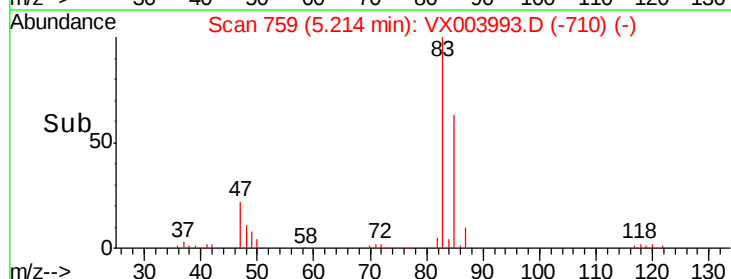
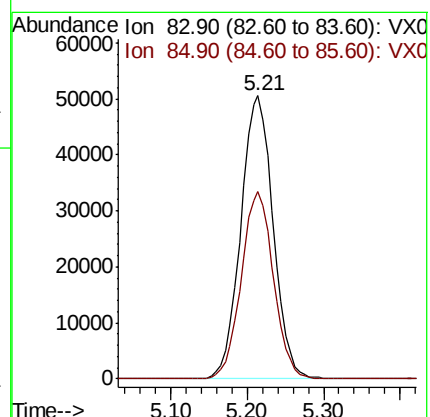
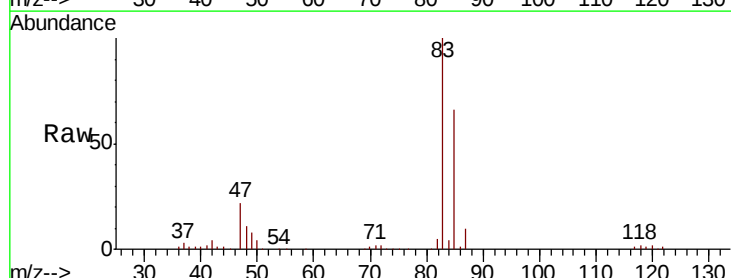
Acq: 13 Aug 2018 12:09

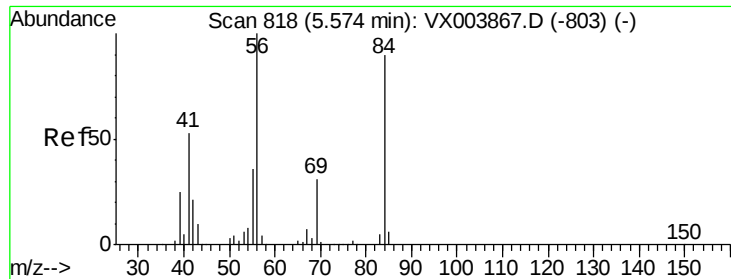
Tgt Ion: 83 Resp: 148111

Ion Ratio Lower Upper

83 100

85 66.1 50.7 76.1

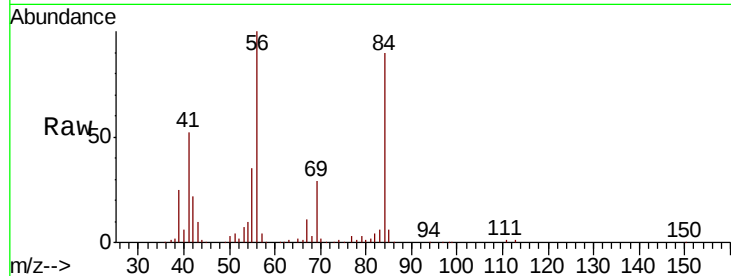




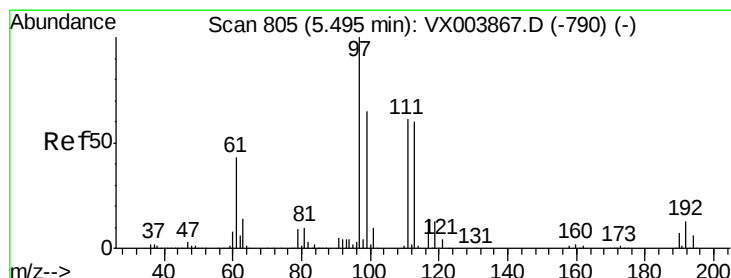
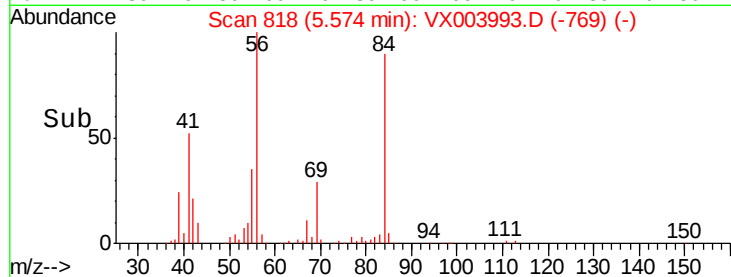
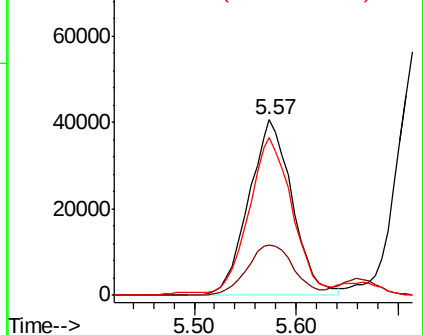
#31
Cyclohexane
Concen: 19.32 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion: 56 Resp: 119993
Ion Ratio Lower Upper
56 100
69 28.5 24.9 37.3
84 88.9 71.7 107.5

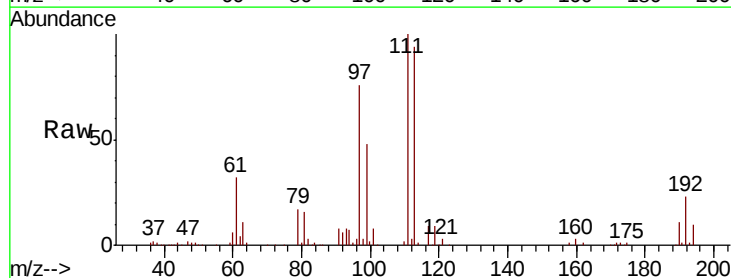


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

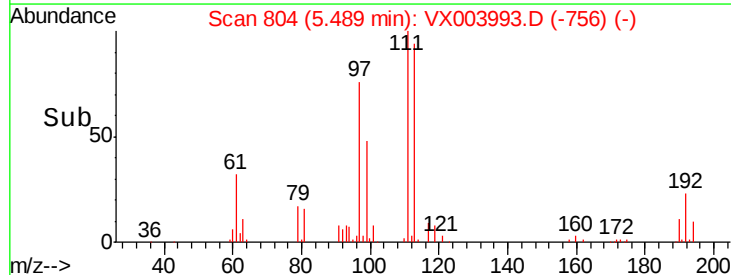
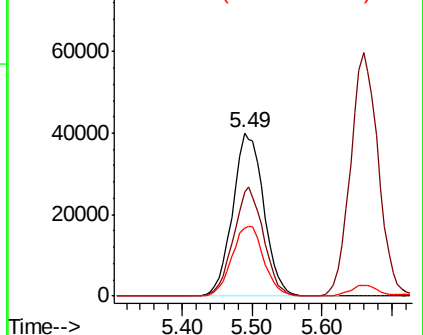


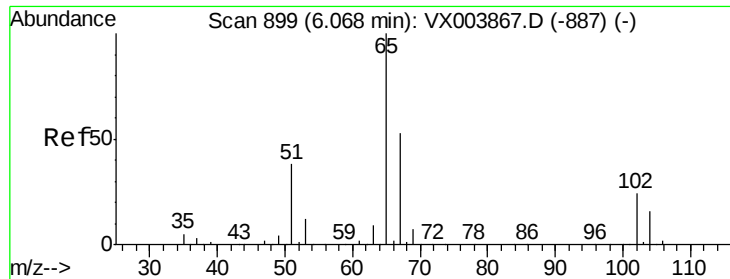
#32
1,1,1-Trichloroethane
Concen: 21.23 ug/l
RT: 5.49 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion: 97 Resp: 123077
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 44.2 34.4 51.6



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

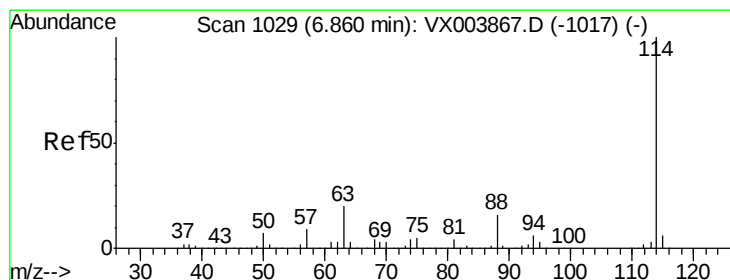
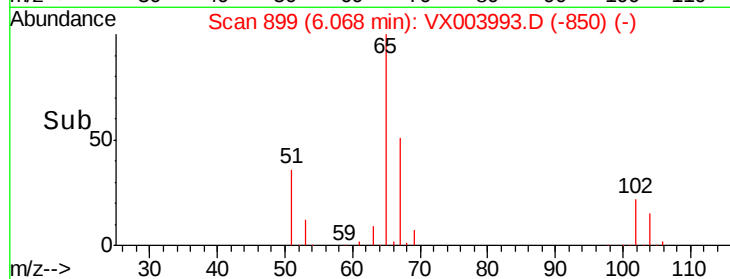
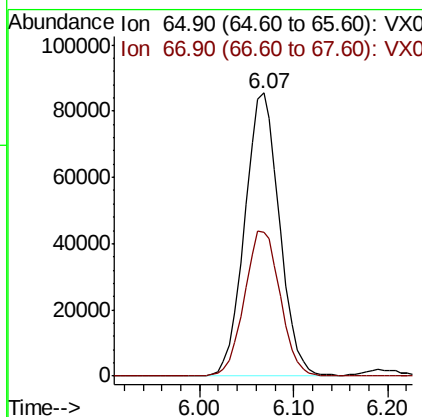
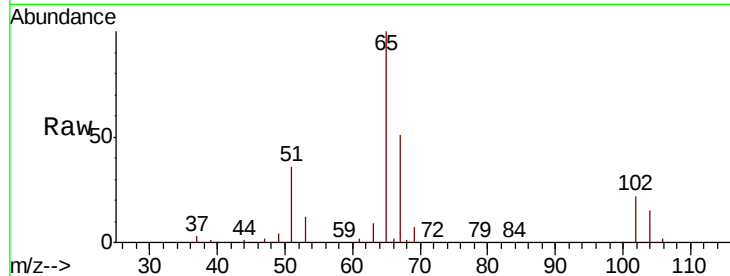




#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

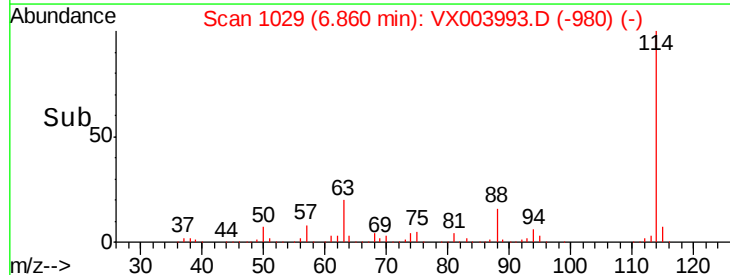
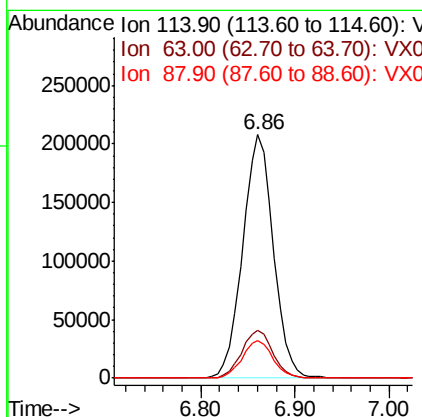
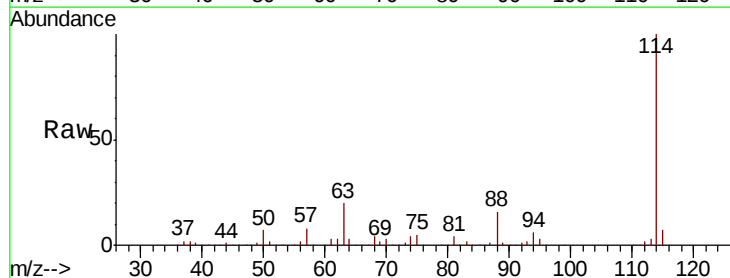
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

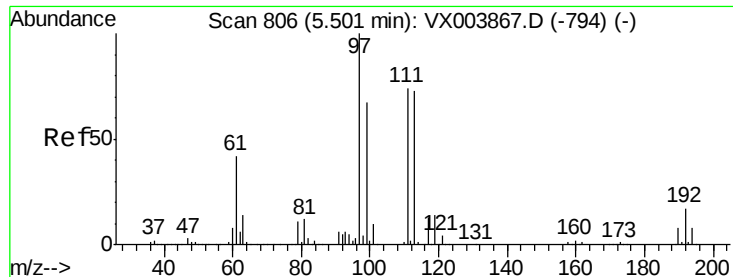
Tot Ion: 65 Resp: 221265
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion: 114 Resp: 473236
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.5 0.0 32.0

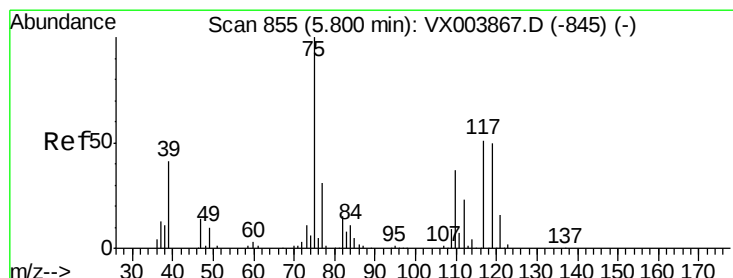
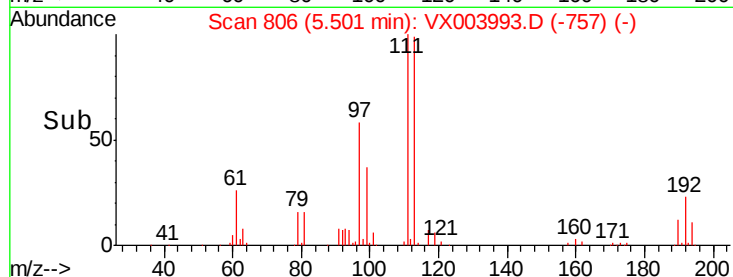
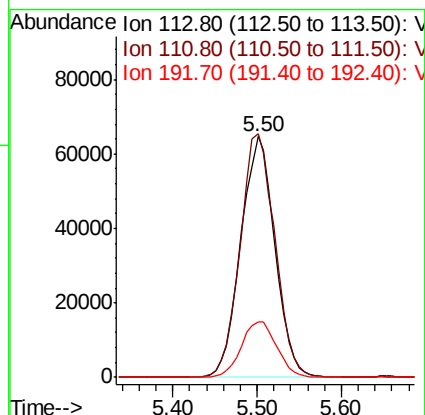
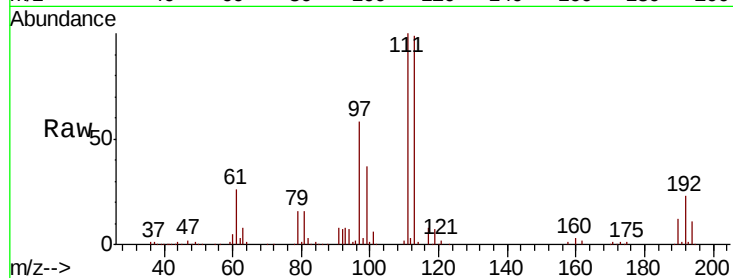




#35
 Dibromofluoromethane
 Concen: 49.32 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

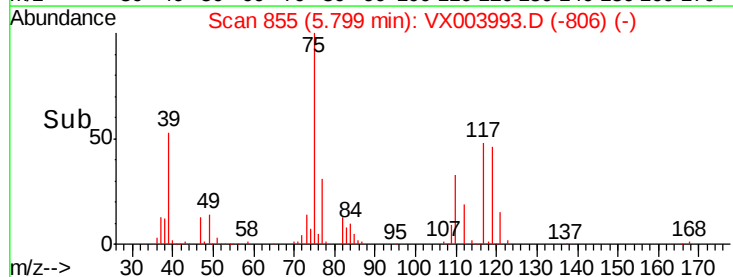
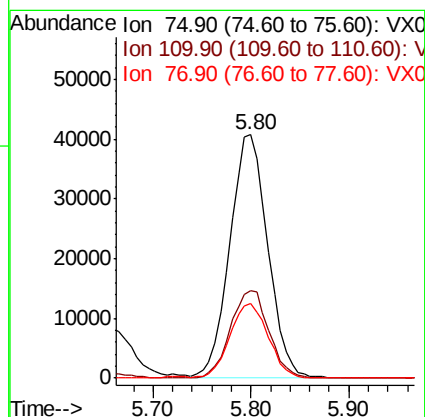
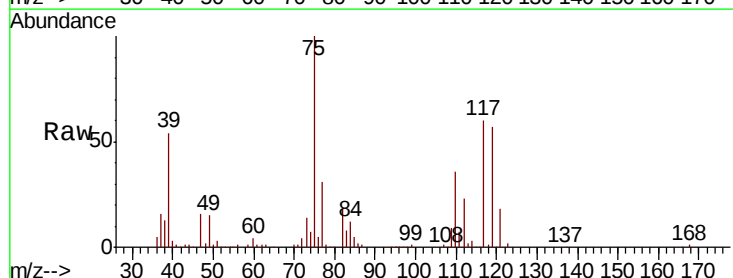
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion:113 Resp: 176804
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 23.8 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 20.54 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion: 75 Resp: 108865
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.2 54.6
 77 30.9 25.0 37.4

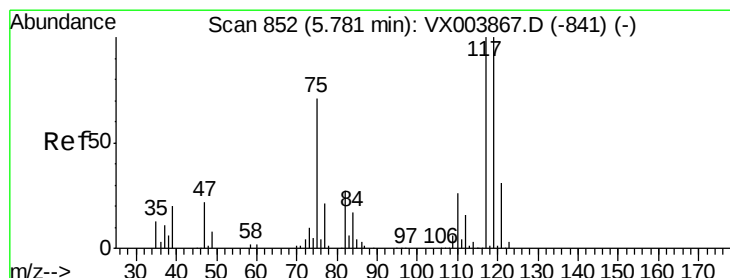
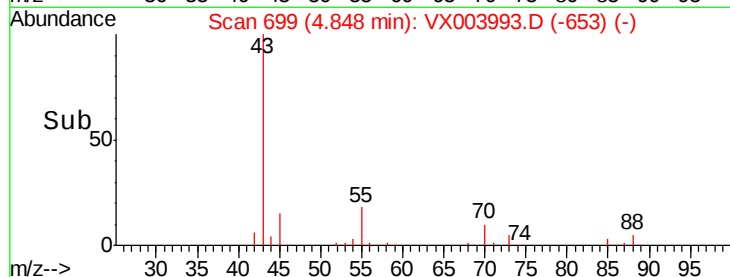
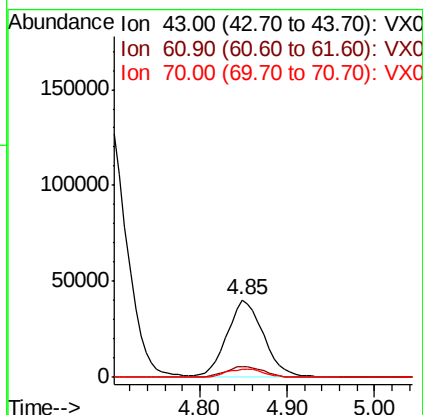
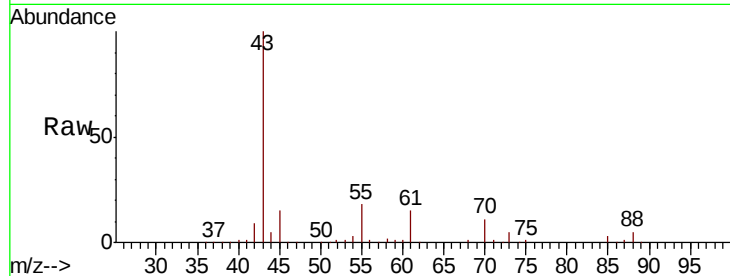




#37
Ethyl Acetate
Concen: 19.99 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.02 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

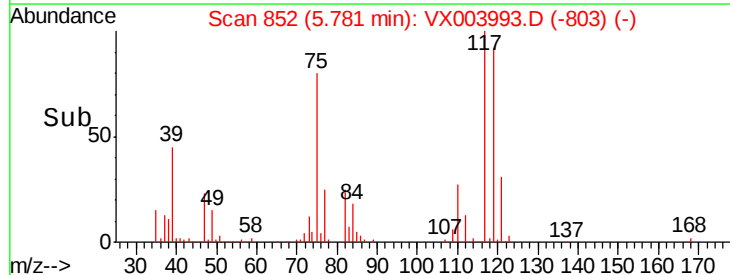
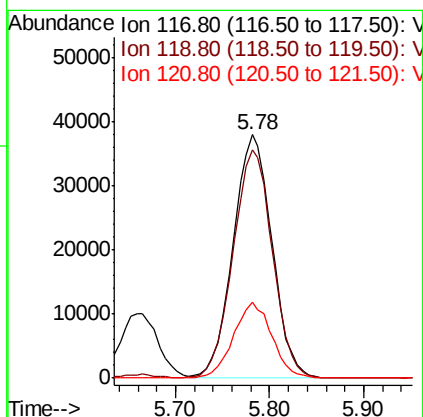
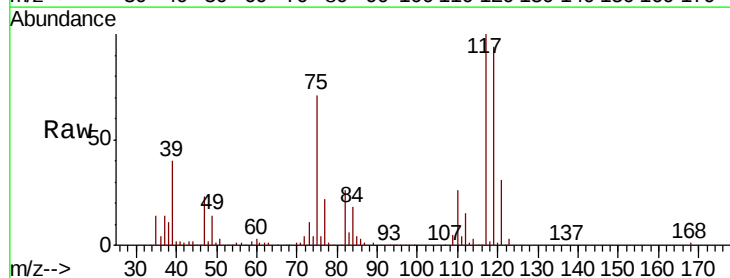
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

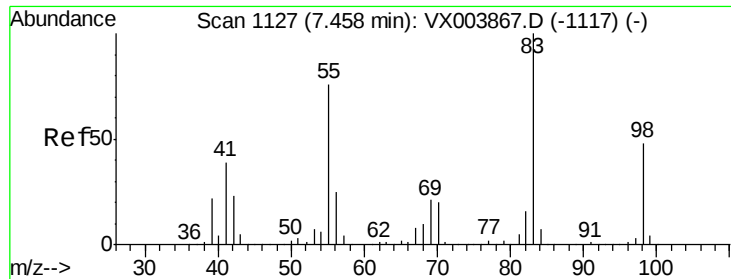
Tot Ion: 43 Resp: 116560
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.5 9.0 13.4



#38
Carbon Tetrachloride
Concen: 21.62 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion: 117 Resp: 109042
Ion Ratio Lower Upper
117 100
119 93.4 79.5 119.3
121 31.0 25.0 37.4

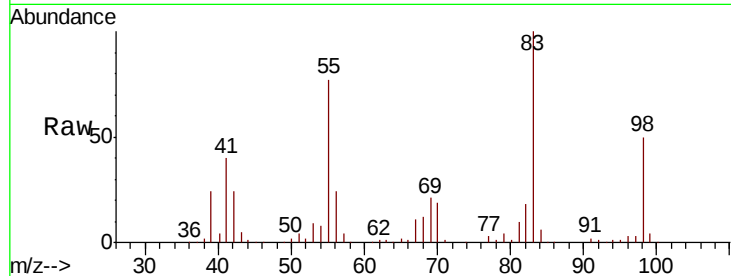




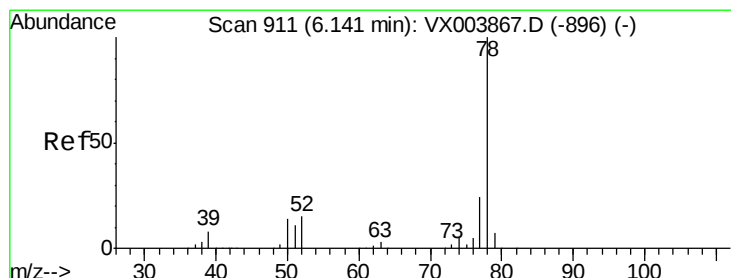
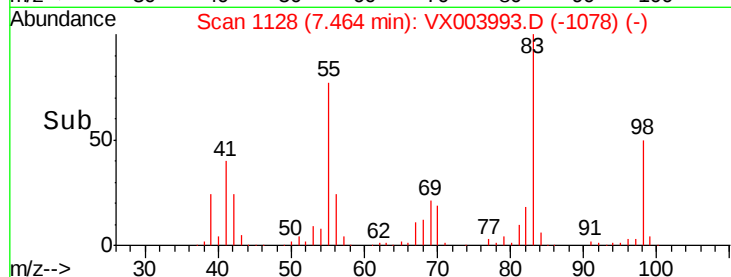
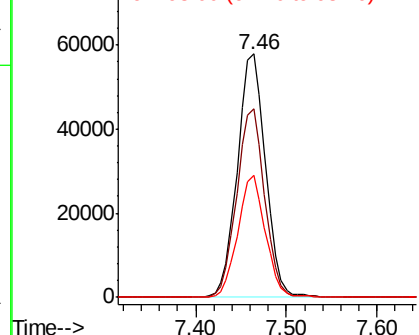
#39
Methylvlcvclohexane
Concen: 20.02 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.6
98	49.9	38.6	57.8

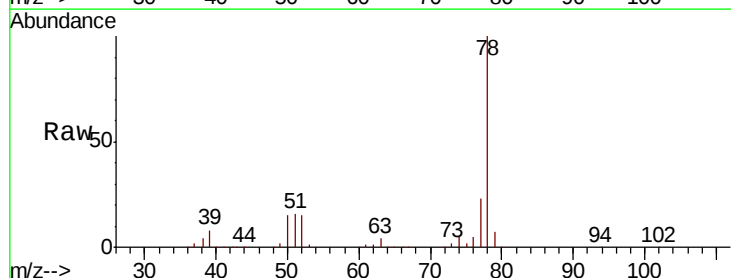


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

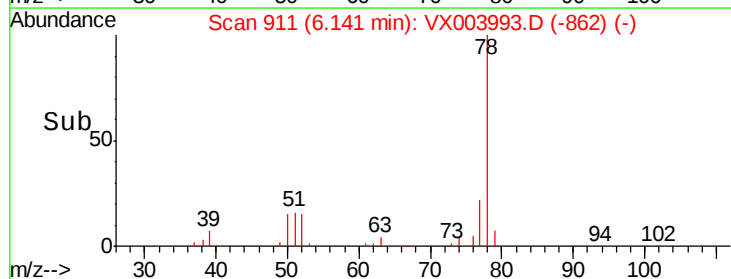
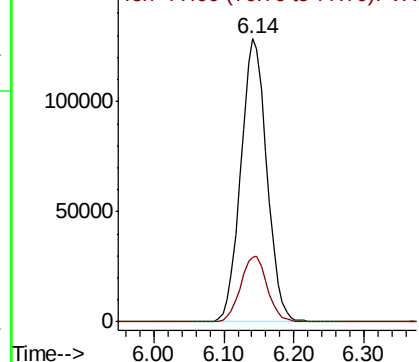


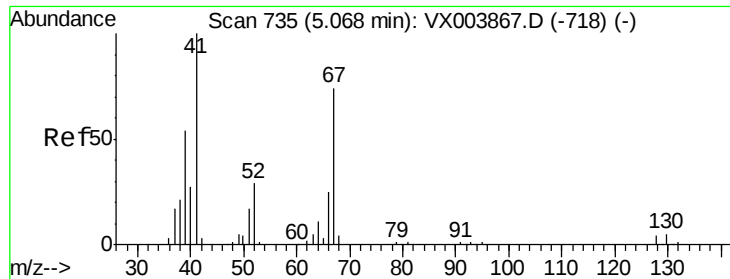
#40
Benzene
Concen: 20.86 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4



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

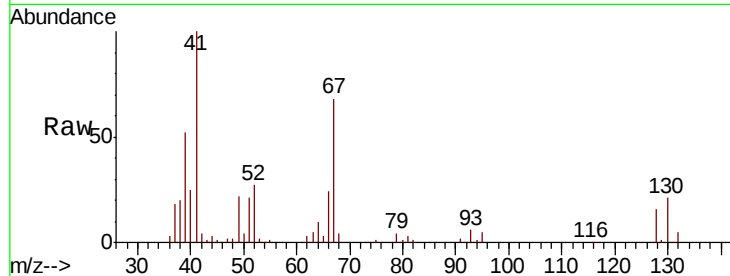




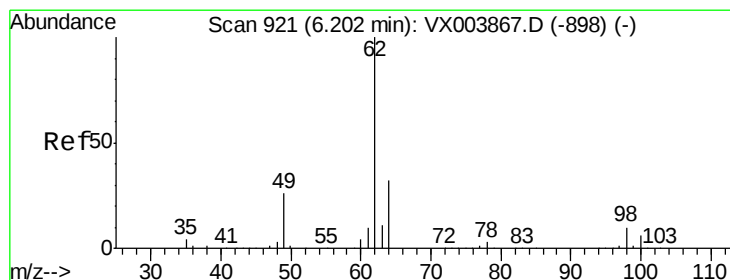
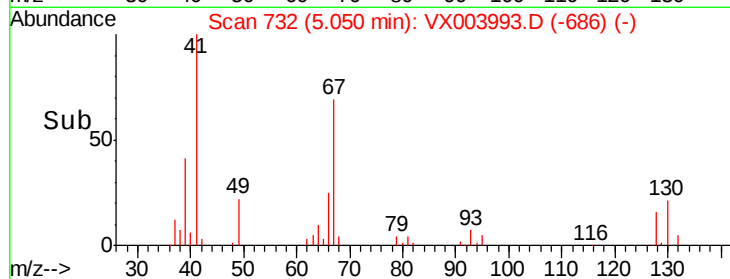
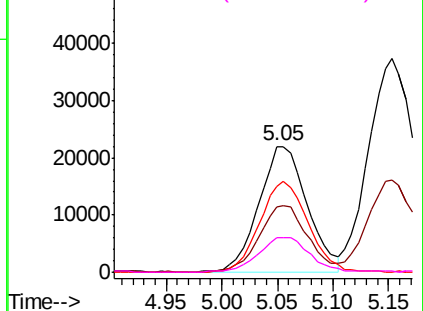
#41
Methacrylonitrile
Concen: 20.59 ug/l
RT: 5.05 min Scan# 732
Delta R.T. -0.02 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:	41	Resp:	66099
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.7	64.1
67	72.6	58.9	88.3
52	29.7	22.6	33.8

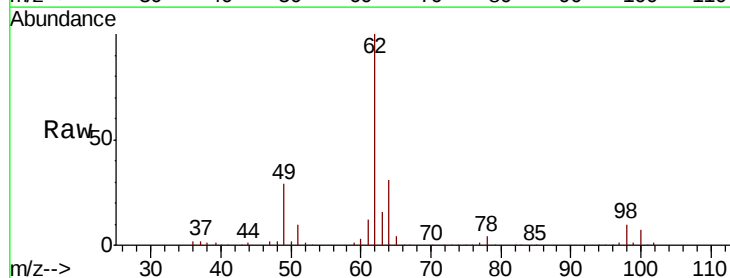


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

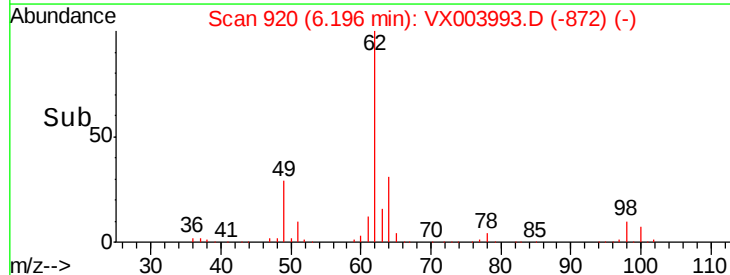
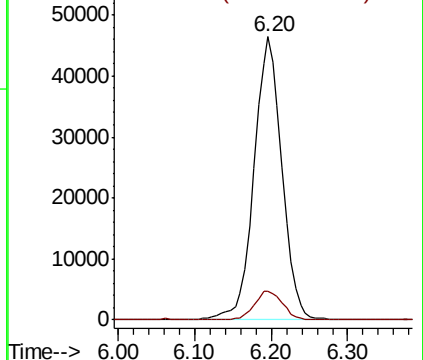


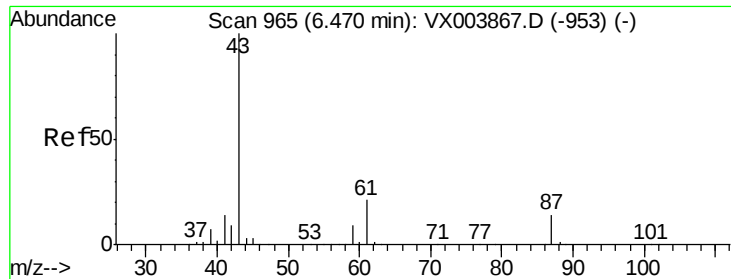
#42
1,2-Dichloroethane
Concen: 21.96 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:	62	Resp:	118163
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4



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



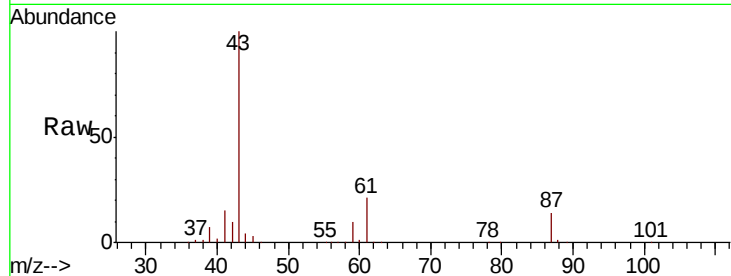


#43

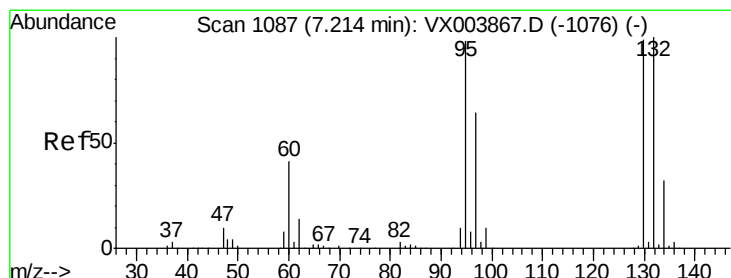
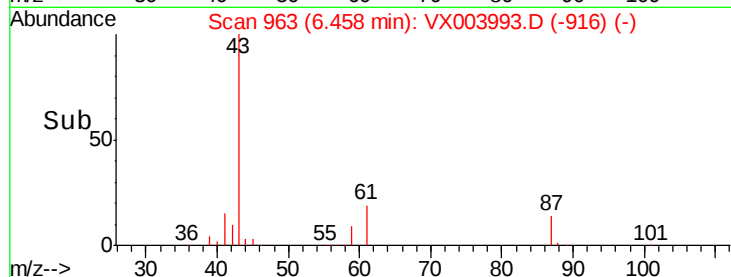
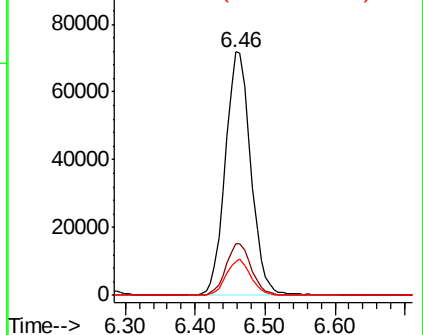
Isopropyl Acetate
 Concen: 20.77 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	43	Resp	182258
Ion Ratio	Lower	Upper	
43	100		
61	21.0	16.9	25.3
87	14.2	11.3	16.9



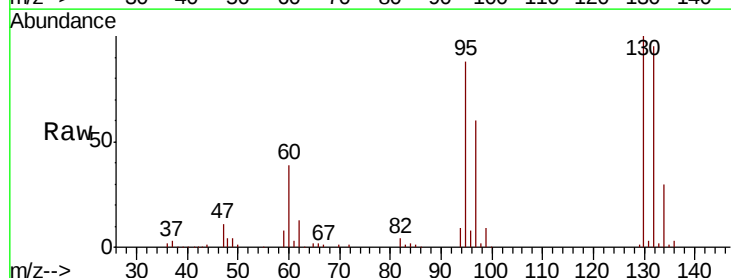
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



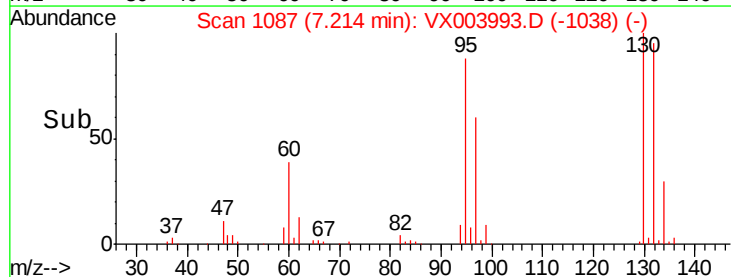
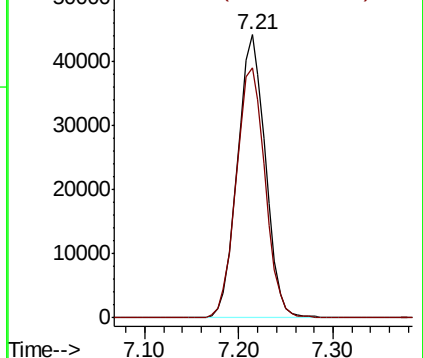
#44

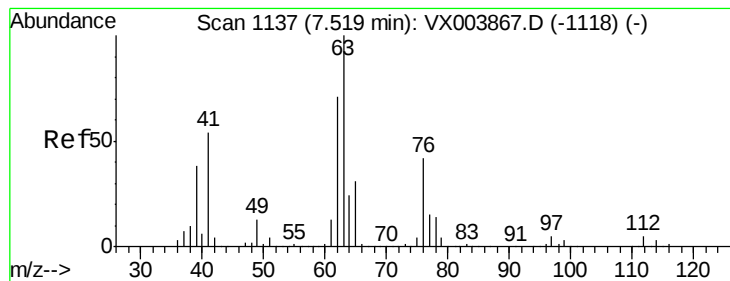
Trichloroethene
 Concen: 21.09 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	130	Resp	91818
Ion Ratio	Lower	Upper	
130	100		
95	88.2	0.0	199.4



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





#45

1,2-Dichloropropane

Concen: 21.61 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

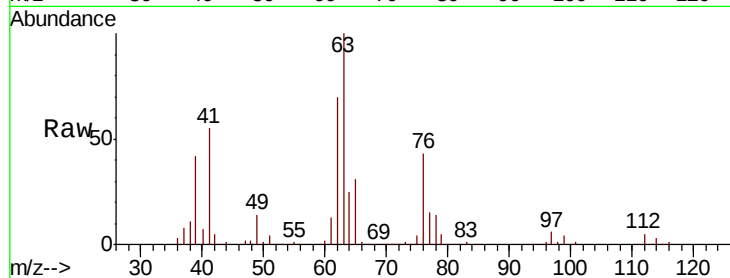
VX0813WBS01

Tot Ion: 63 Resp: 88831

Ion Ratio Lower Upper

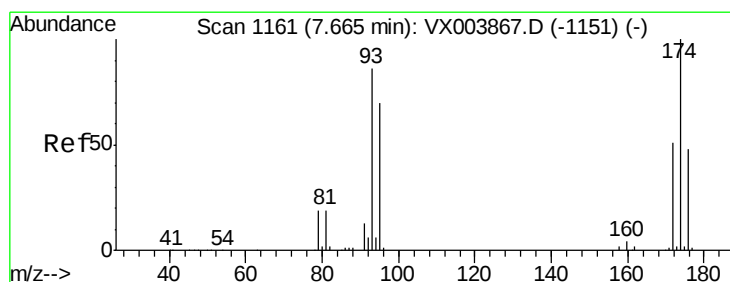
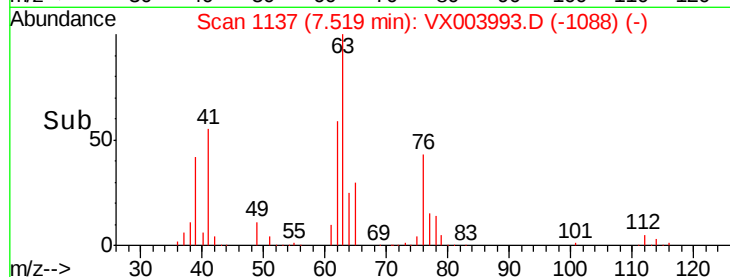
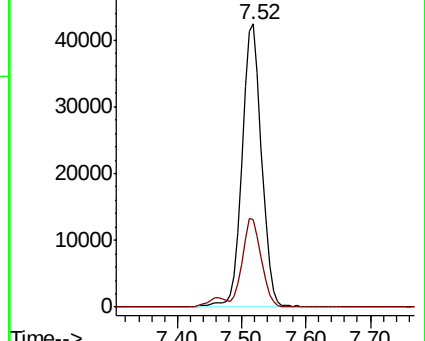
63 100

65 31.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.33 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

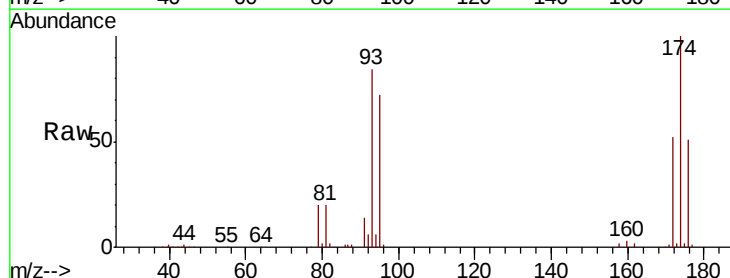
Tgt Ion: 93 Resp: 56907

Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

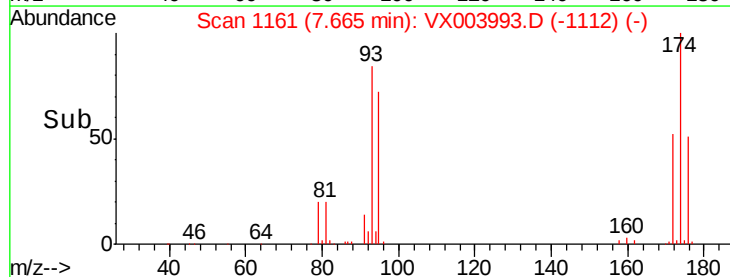
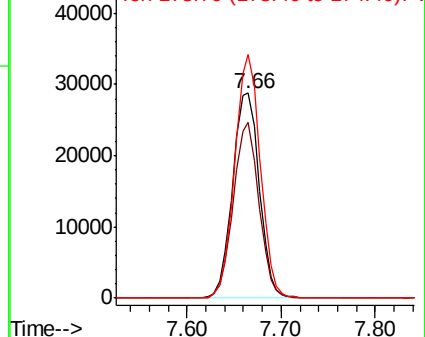
174 113.4 94.3 141.5

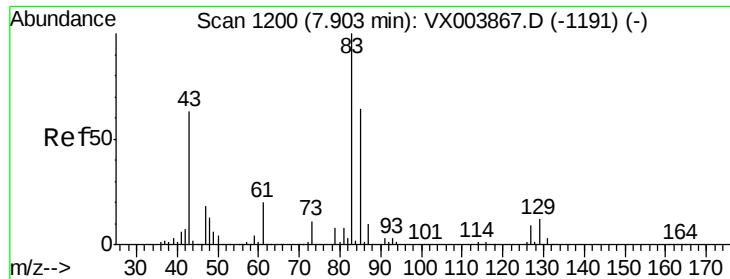


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

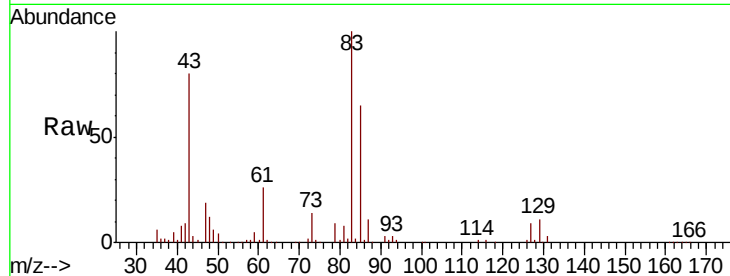
Tot Ion: 83 Resp: 108108

Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

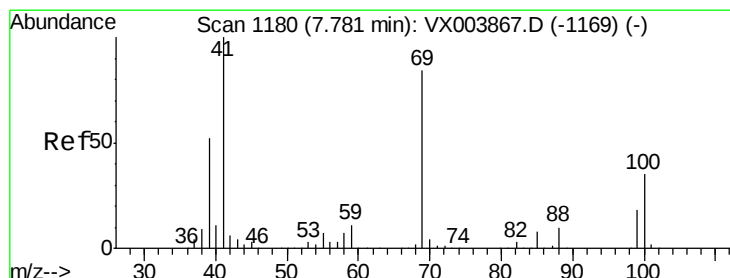
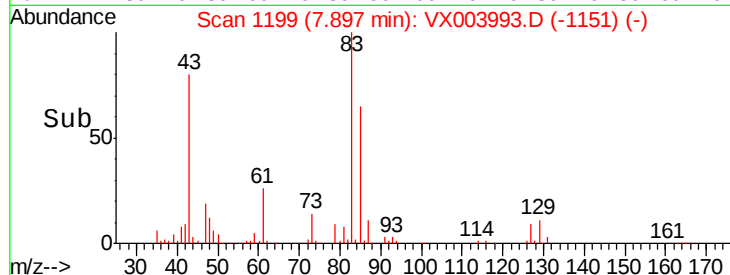
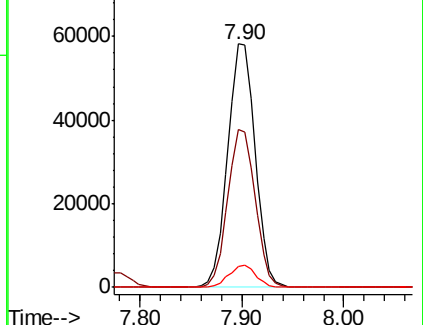
127 8.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.64 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

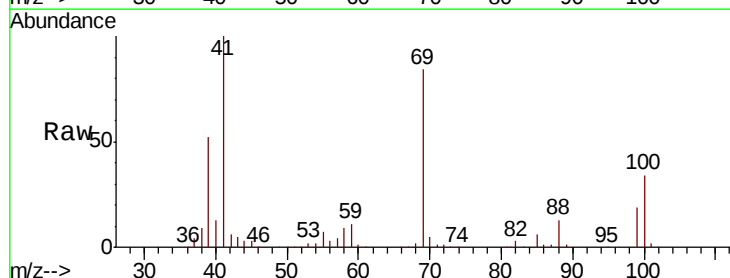
Tgt Ion: 41 Resp: 92035

Ion Ratio Lower Upper

41 100

69 86.9 68.8 103.2

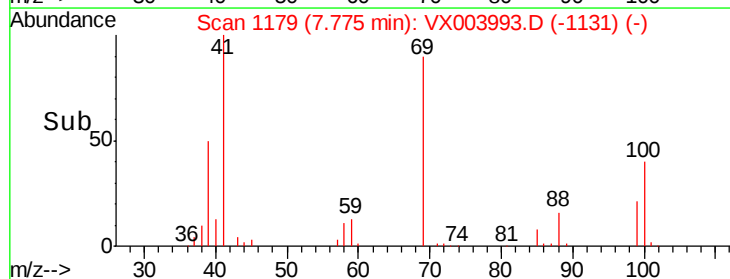
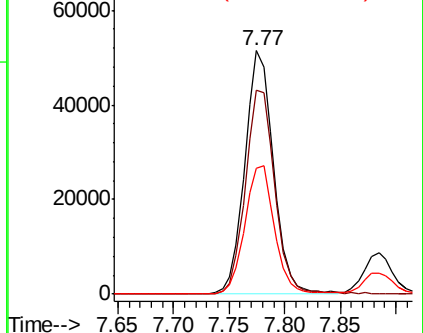
39 54.0 42.3 63.5

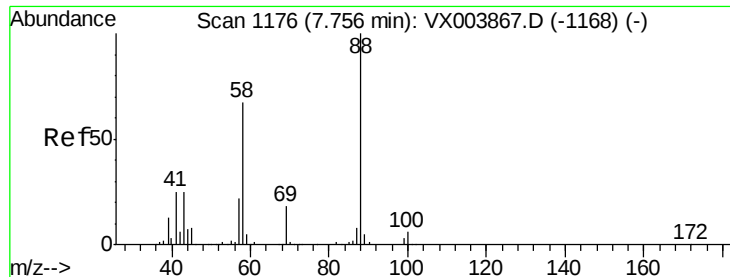


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 388.21 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

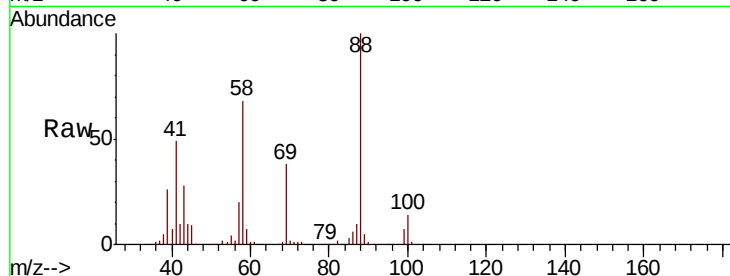
MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 88 Resp: 40787

Ion	Ratio	Lower	Upper
88	100		
43	32.2	23.8	35.8
58	71.3	55.4	83.0

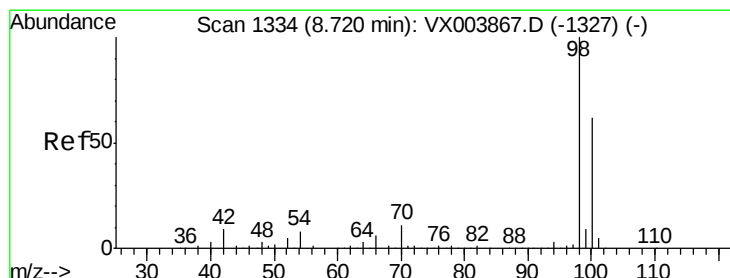
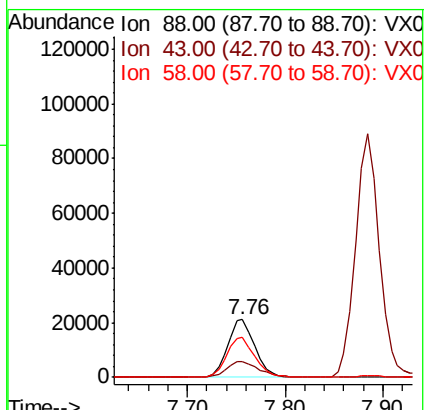
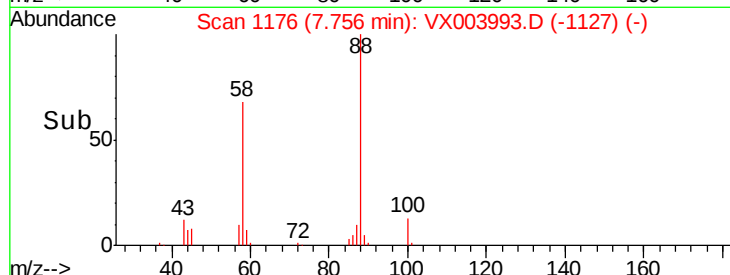


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.32 ug/l

RT: 8.71 min Scan# 1333

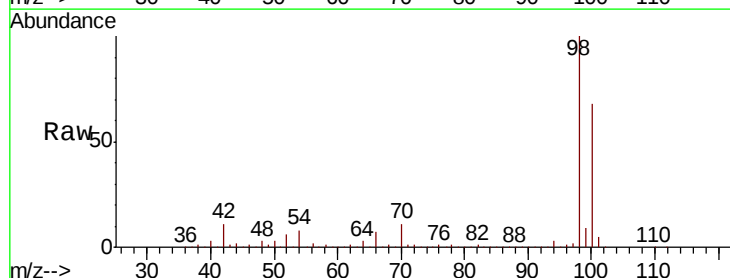
Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion: 98 Resp: 701607

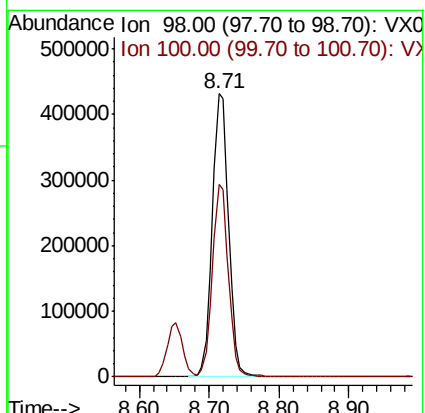
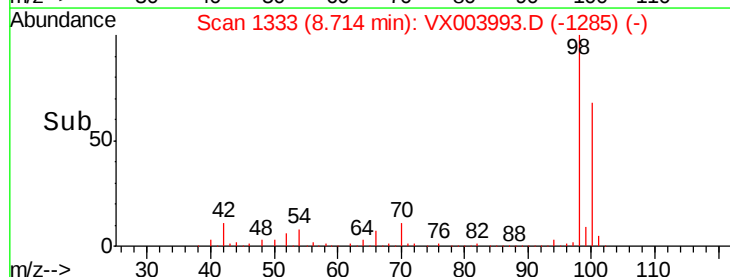
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9

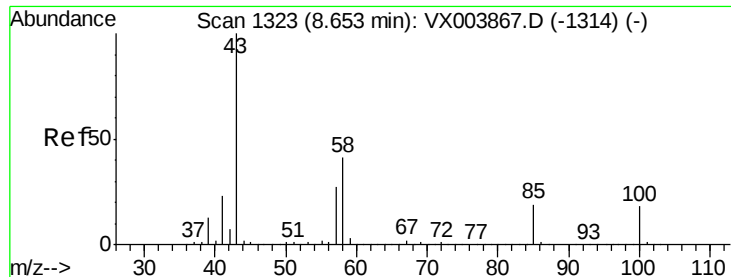


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.34 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

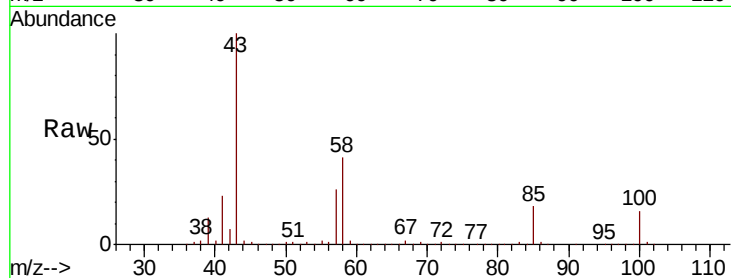
VX0813WBS01

Tot Ion: 43 Resp: 766115

Ion Ratio Lower Upper

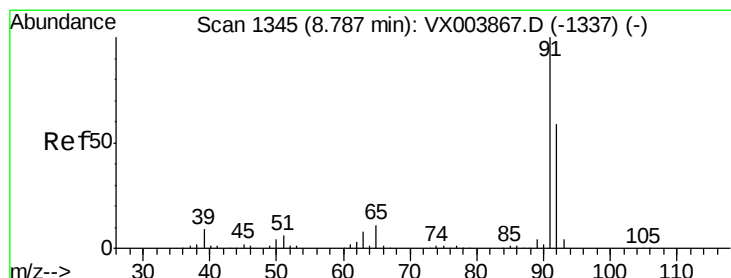
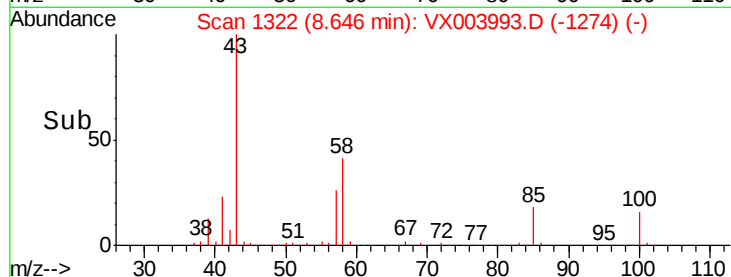
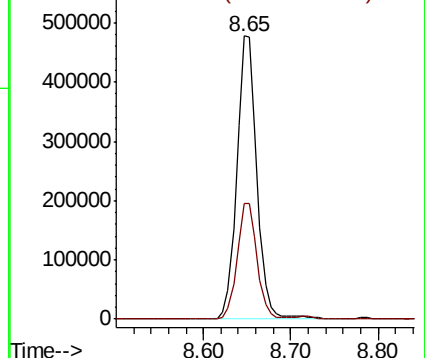
43 100

58 40.6 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.57 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003993.D

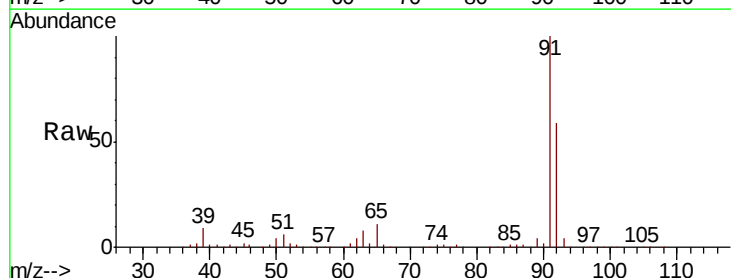
Acq: 13 Aug 2018 12:09

Tgt Ion: 92 Resp: 216890

Ion Ratio Lower Upper

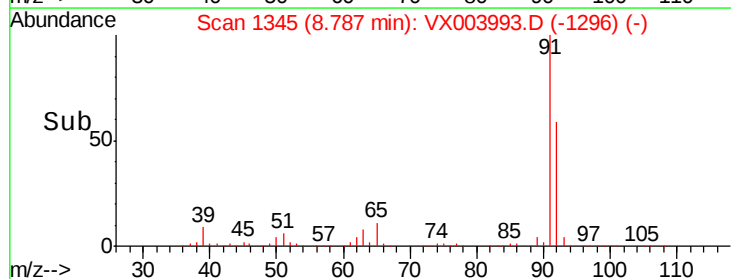
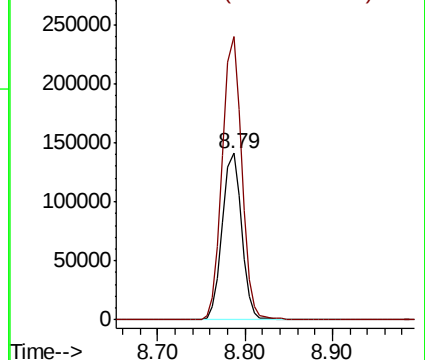
92 100

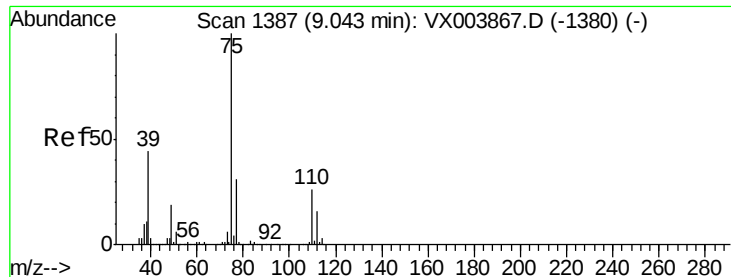
91 170.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.60 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

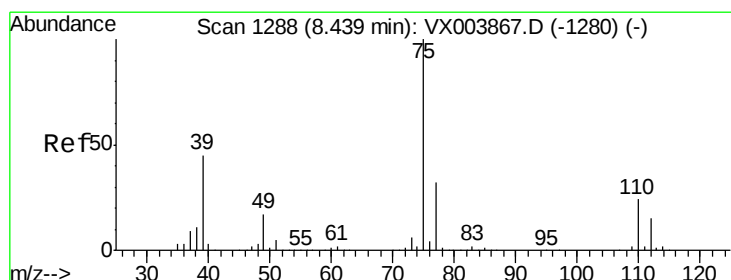
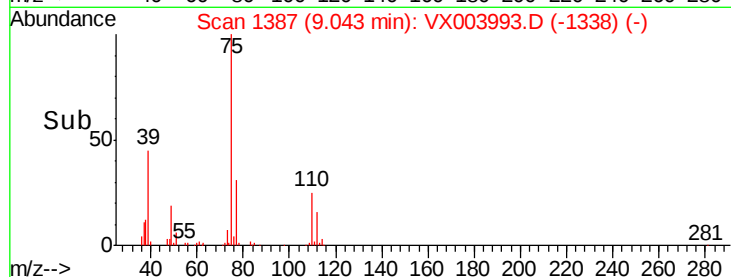
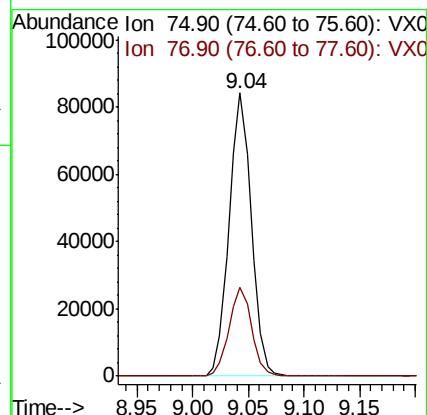
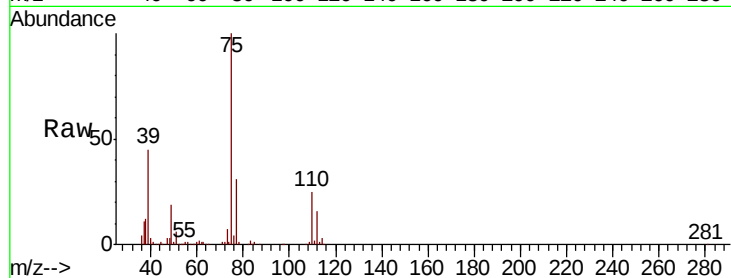
VX0813WBS01

Tot Ion: 75 Resp: 117042

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.26 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

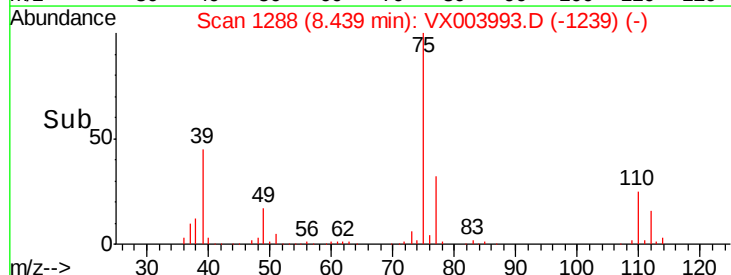
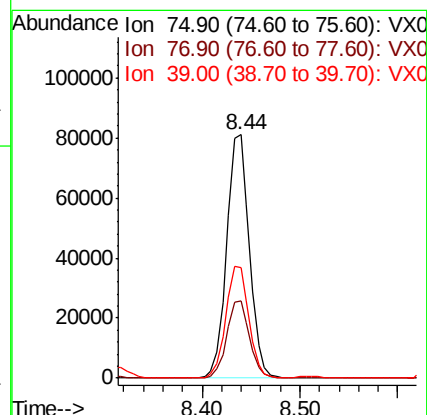
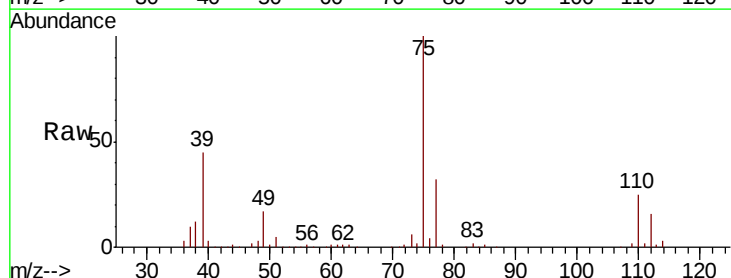
Tgt Ion: 75 Resp: 130223

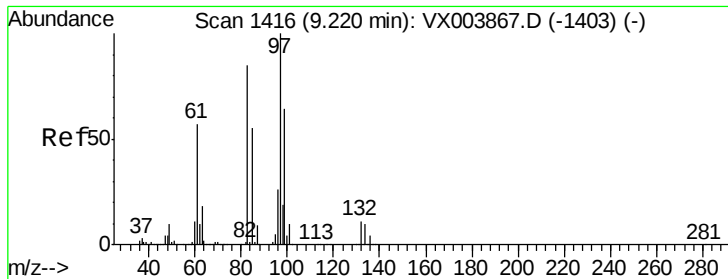
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 45.1 36.2 54.2

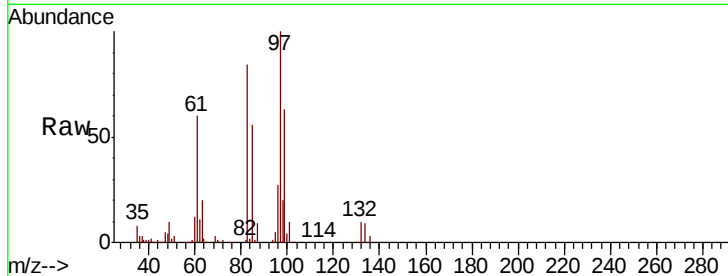




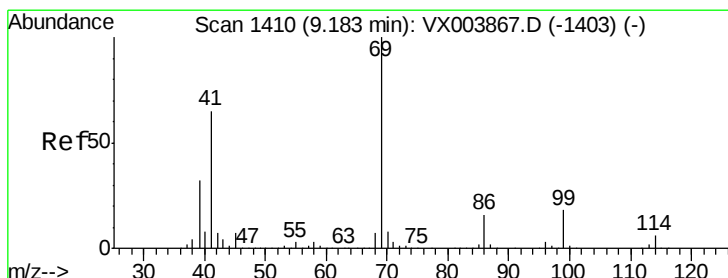
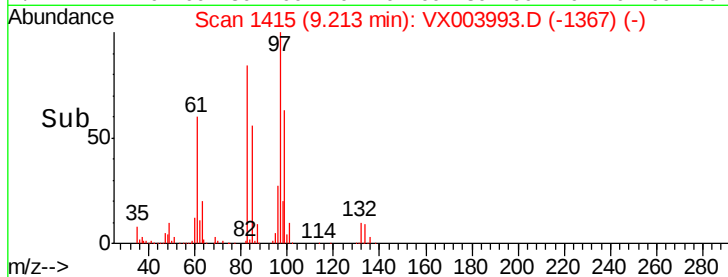
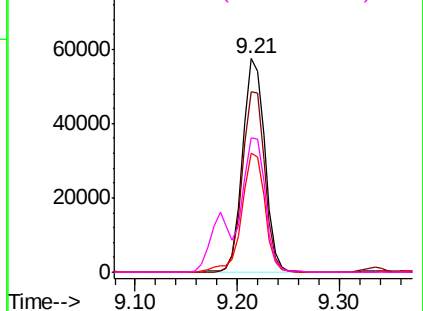
#55
 1,1,2-Trichloroethane
 Concen: 21.15 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion:	97	Resp:	86897
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.8	101.6
85	56.0	44.2	66.2
99	62.7	50.8	76.2

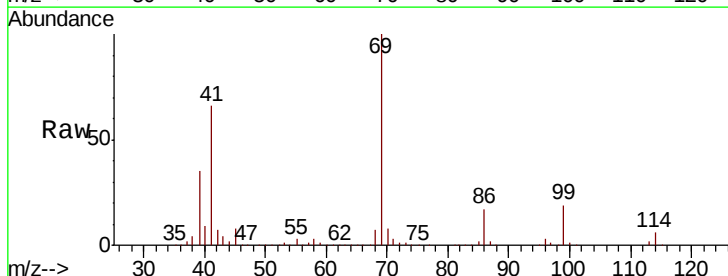


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

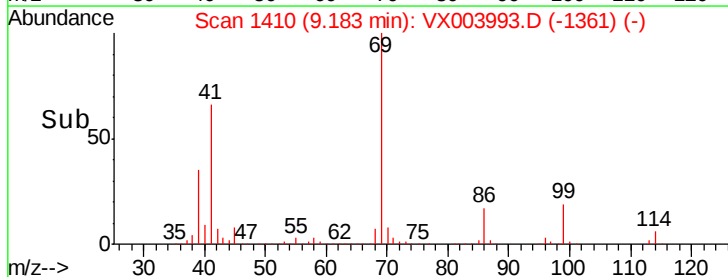
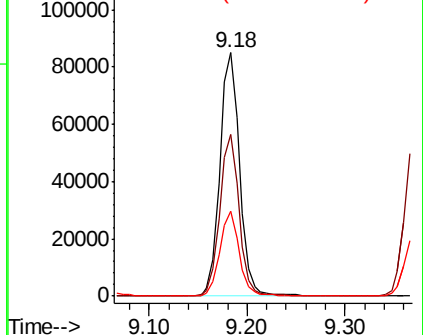


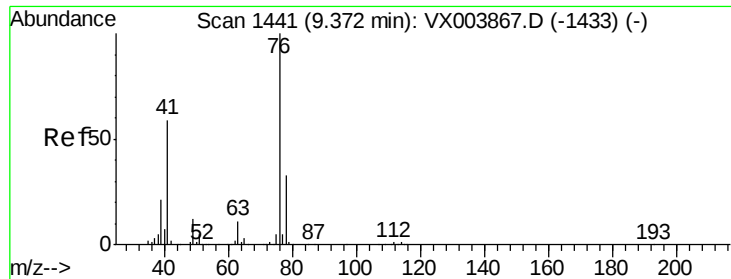
#56
 Ethyl methacrylate
 Concen: 19.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion:	69	Resp:	118932
Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.6	76.0
39	33.9	25.8	38.6



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: 21.50 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

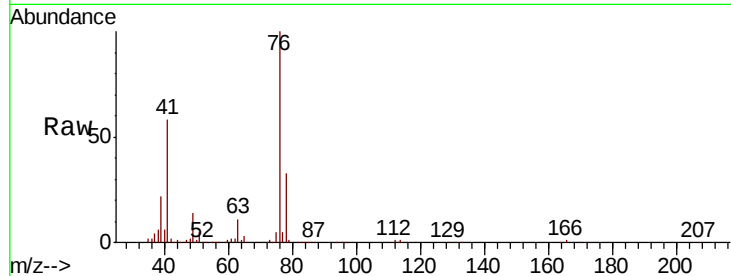
VX0813WBS01

Tot Ion: 76 Resp: 147854

Ion Ratio Lower Upper

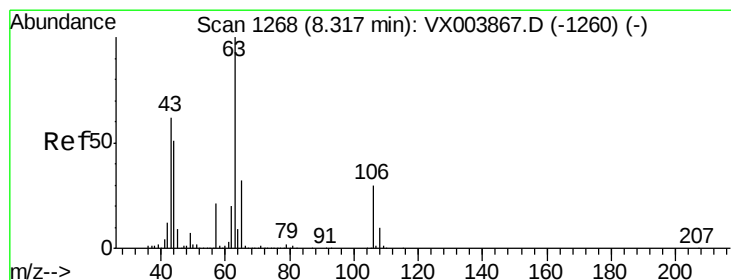
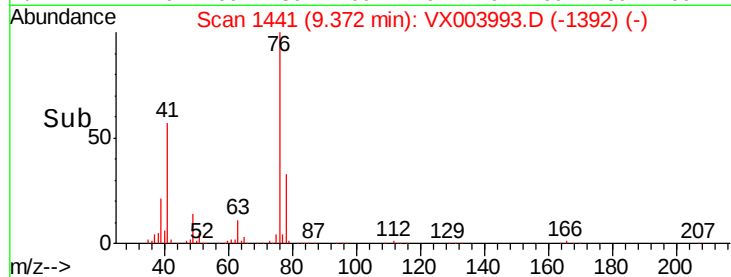
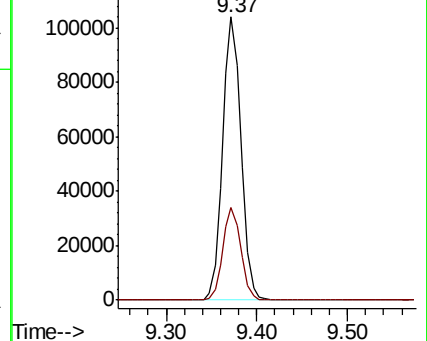
76 100

78 32.2 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.17 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX003993.D

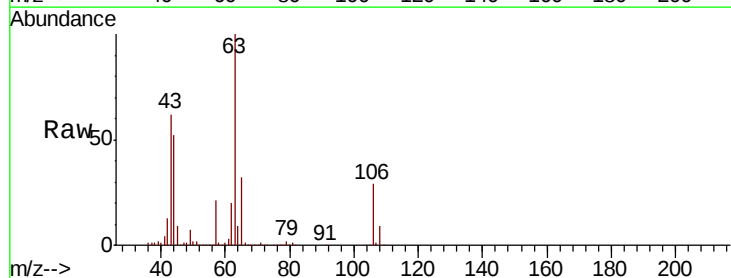
Acq: 13 Aug 2018 12:09

Tgt Ion: 63 Resp: 287832

Ion Ratio Lower Upper

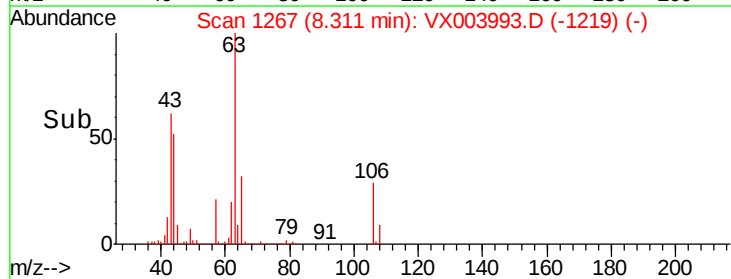
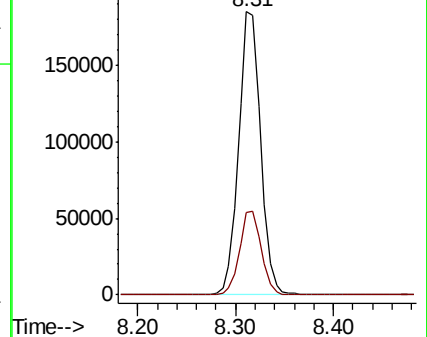
63 100

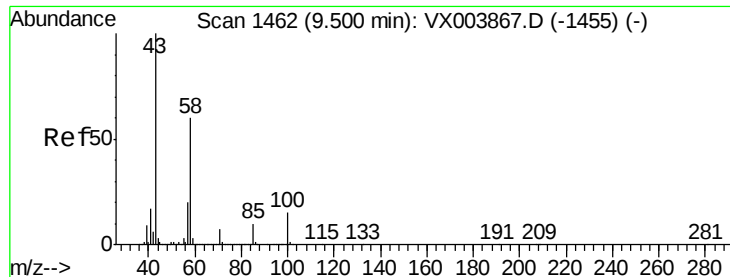
106 29.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

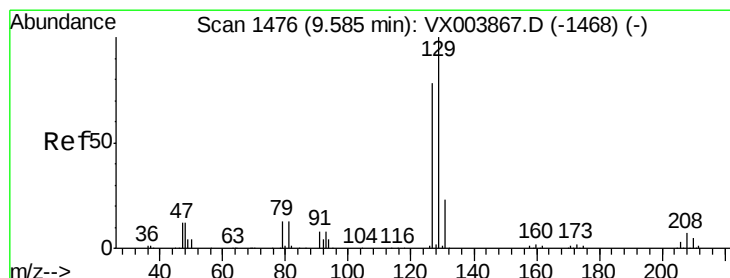
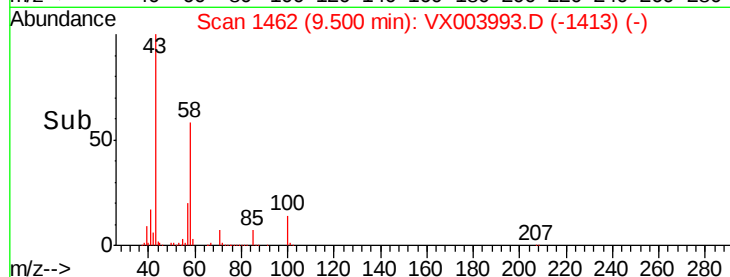
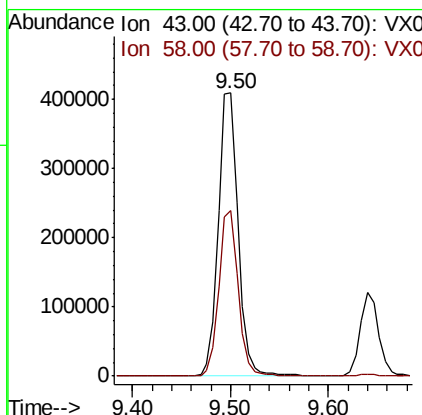
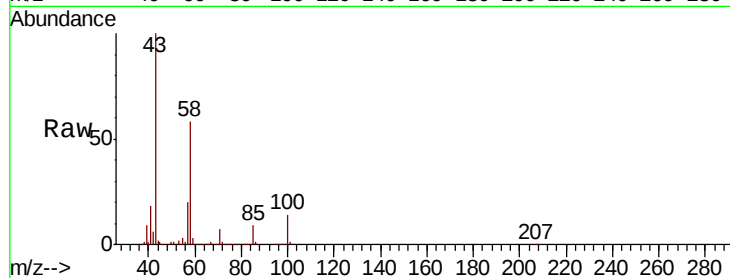




#59
2-Hexanone
Concen: 106.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

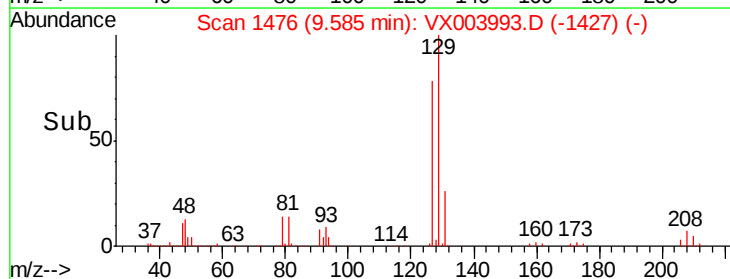
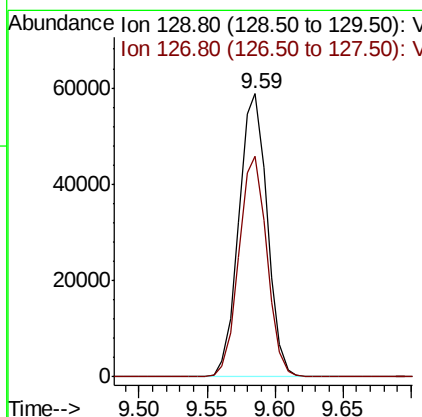
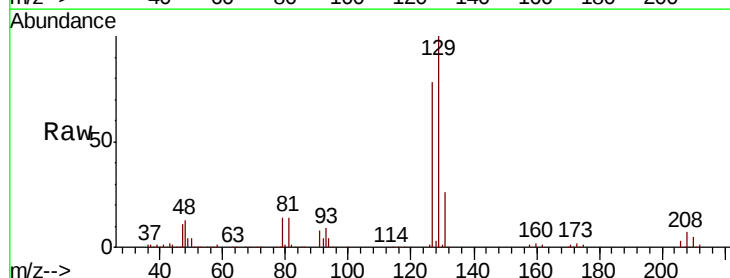
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

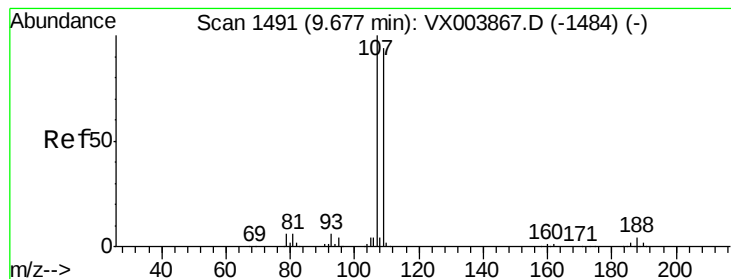
Tot Ion: 43 Resp: 576917
Ion Ratio Lower Upper
43 100
58 57.2 29.0 87.0



#60
Dibromochloromethane
Concen: 22.33 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion: 129 Resp: 85566
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 22.02 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

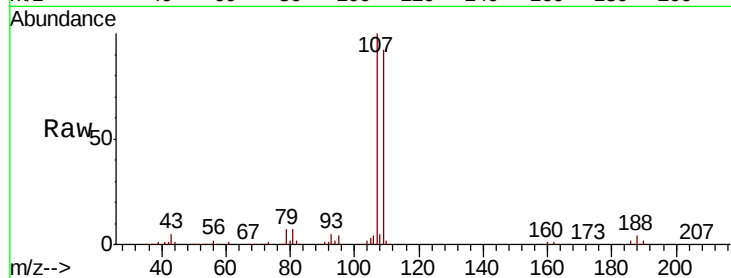
VX0813WBS01

Tot Ion:107 Resp: 90581

Ion Ratio Lower Upper

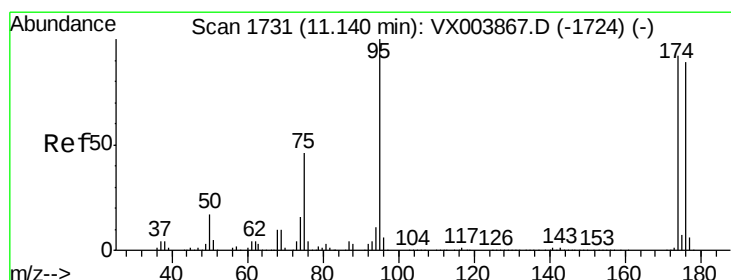
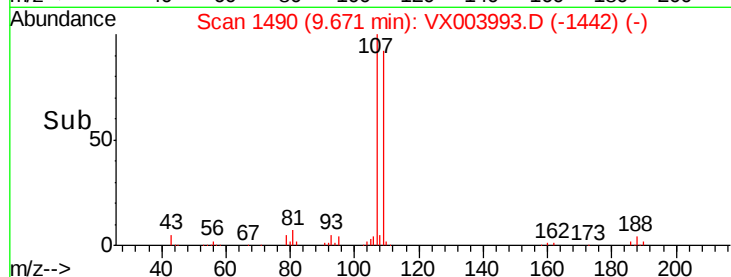
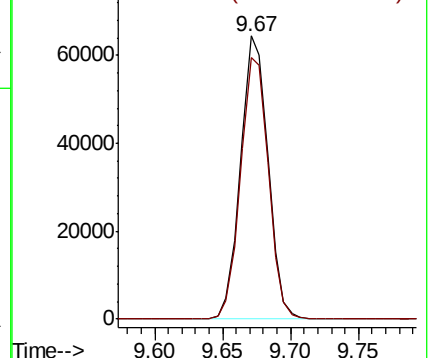
107 100

109 94.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

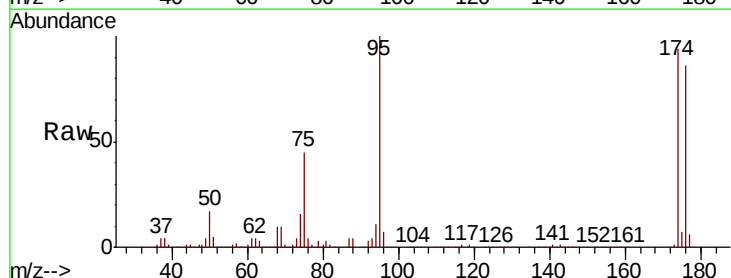
Tgt Ion: 95 Resp: 254290

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.8

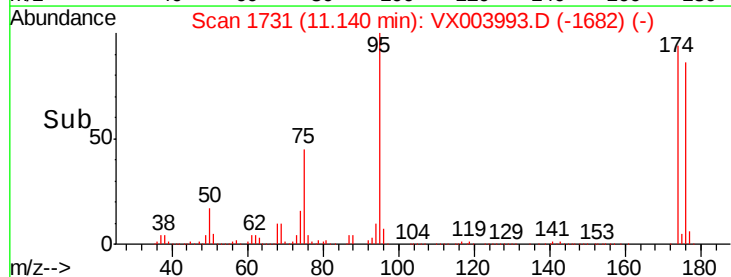
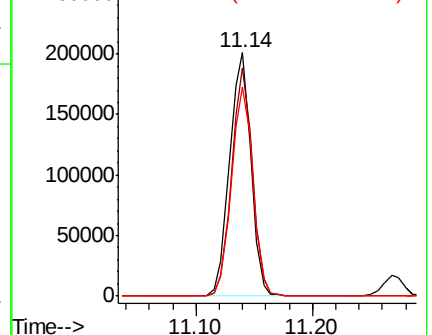
176 86.8 0.0 179.0

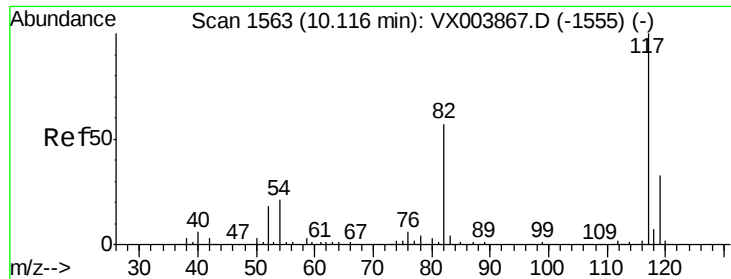


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

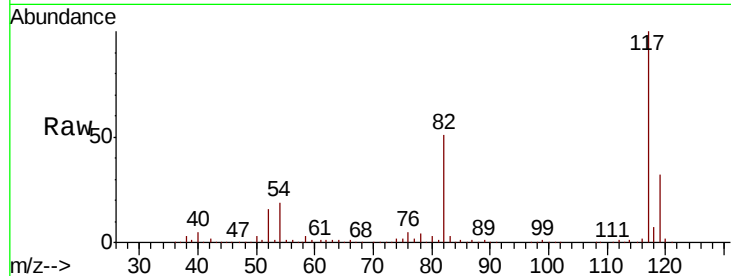




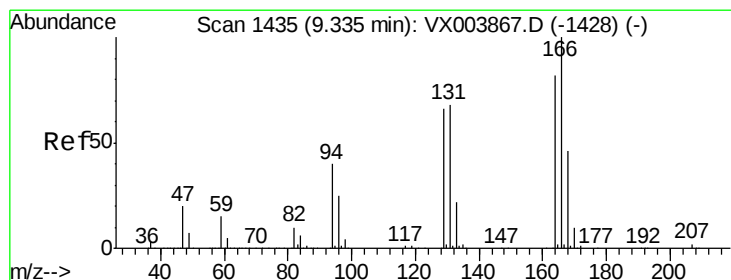
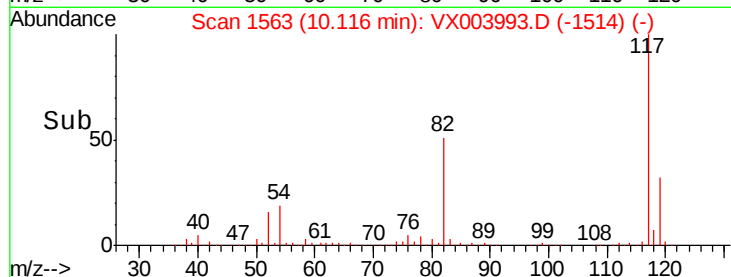
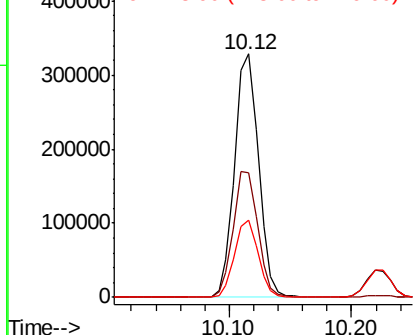
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:117 Resp: 444082
Ion Ratio Lower Upper
117 100
82 51.1 45.4 68.0
119 31.5 26.6 40.0

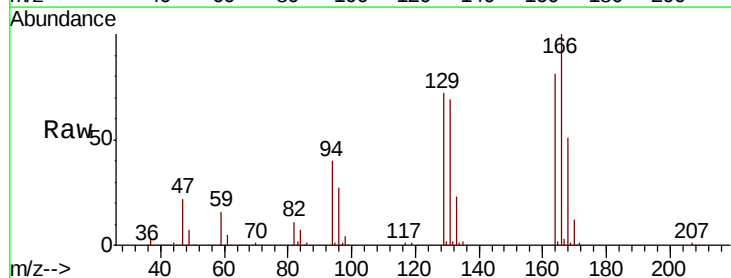


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

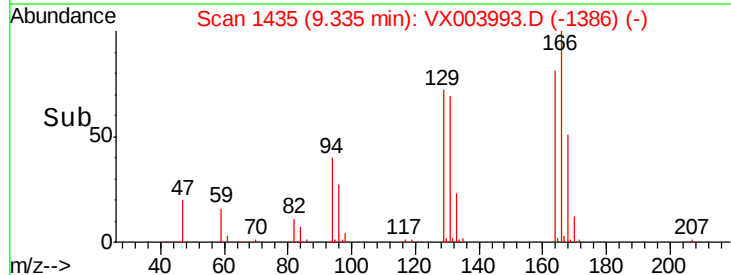
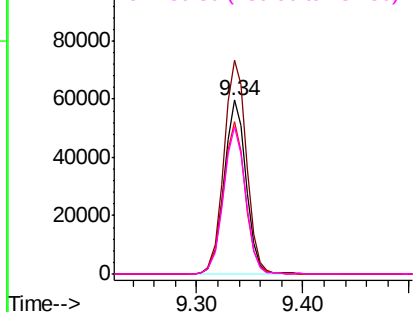


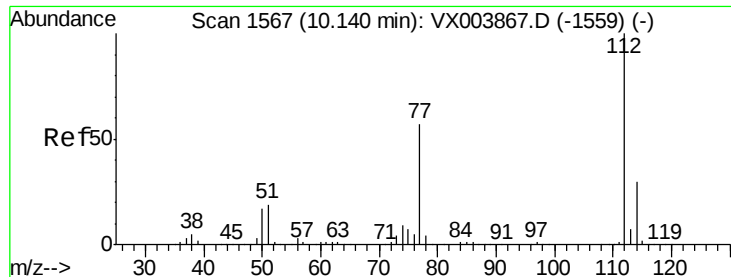
#64
Tetrachloroethene
Concen: 19.77 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:164 Resp: 86370
Ion Ratio Lower Upper
164 100
166 122.9 98.0 147.0
129 87.9 64.3 96.5
131 84.7 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

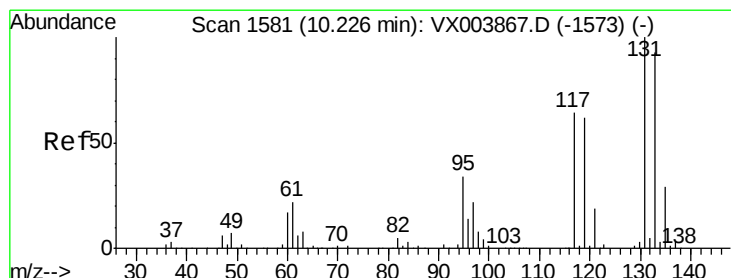
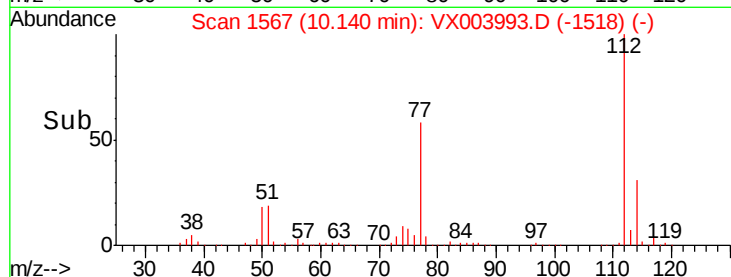
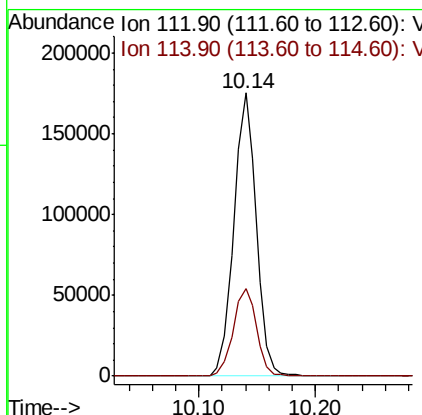
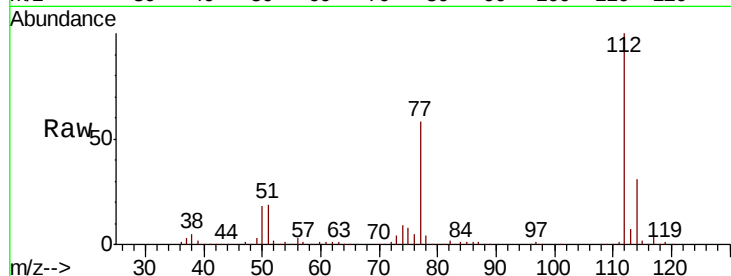




#65
Chlorobenzene
Concen: 20.38 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

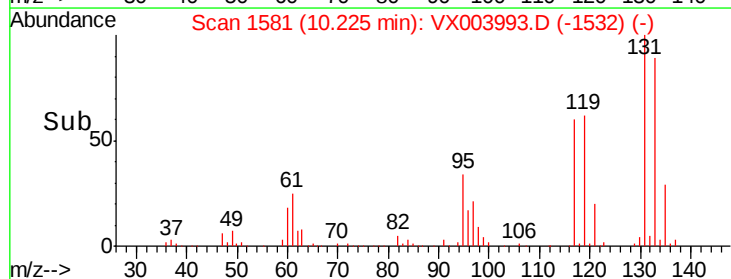
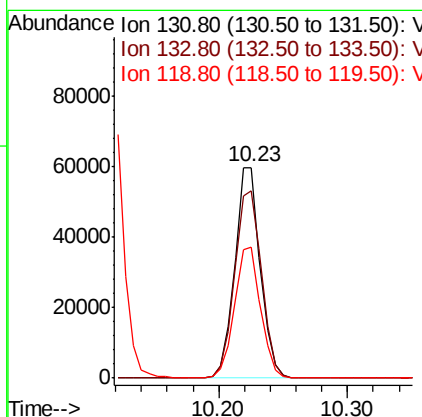
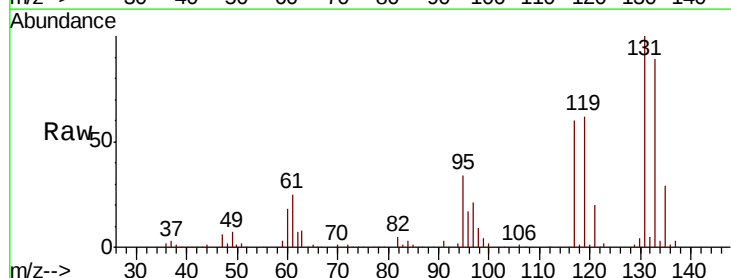
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

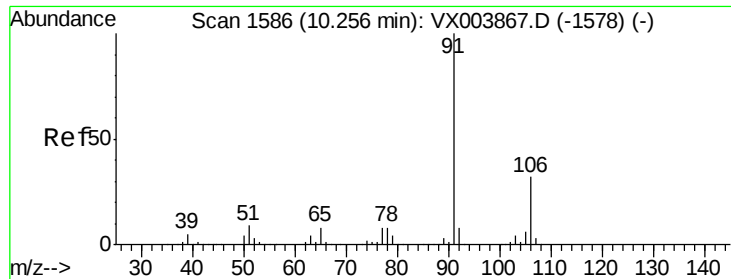
Tot Ion:112 Resp: 235455
Ion Ratio Lower Upper
112 100
114 31.1 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.69 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:131 Resp: 82193
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.8
119 63.9 31.6 94.8





#67

Ethyl Benzene

Concen: 20.74 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampled :

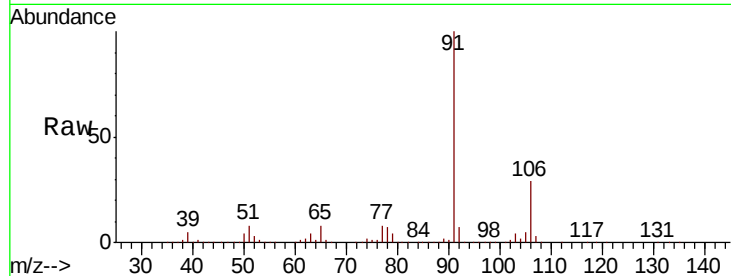
VX0813WBS01

Tot Ion: 91 Resp: 392241

Ion Ratio Lower Upper

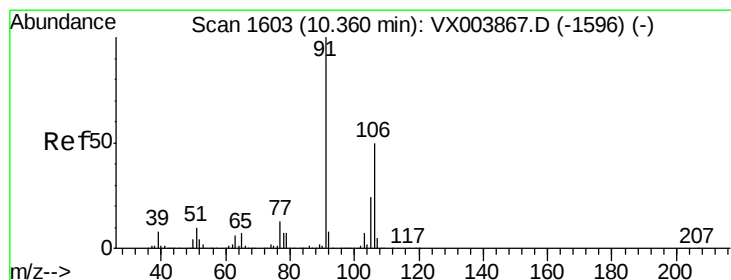
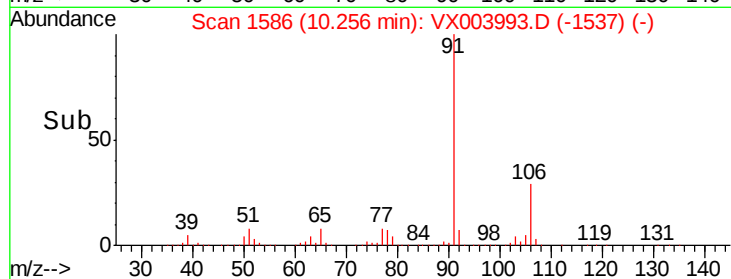
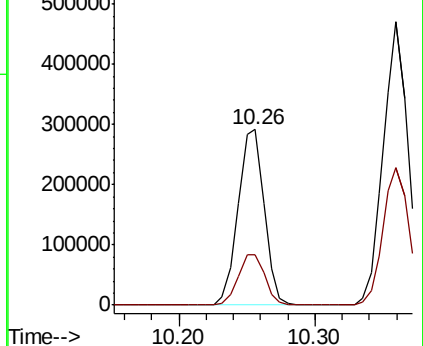
91 100

106 28.6 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.39 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003993.D

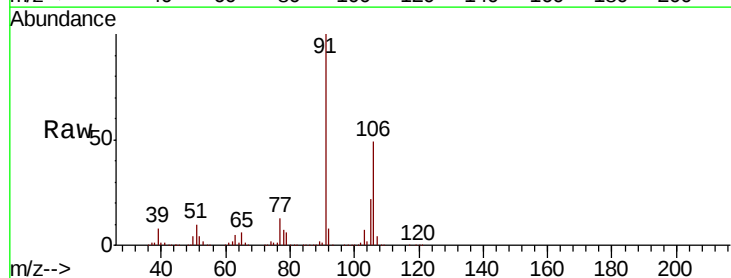
Acq: 13 Aug 2018 12:09

Tgt Ion:106 Resp: 305893

Ion Ratio Lower Upper

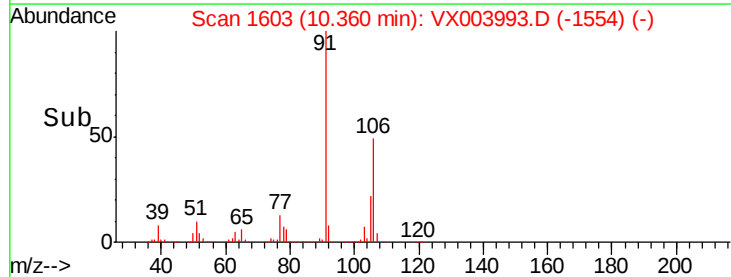
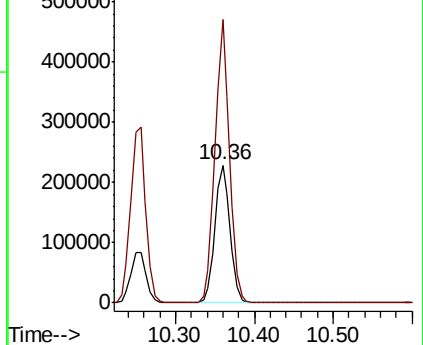
106 100

91 197.3 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

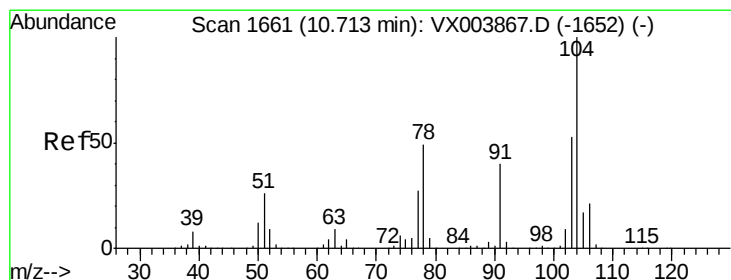
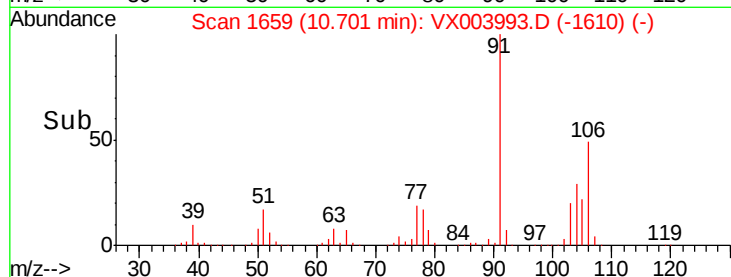
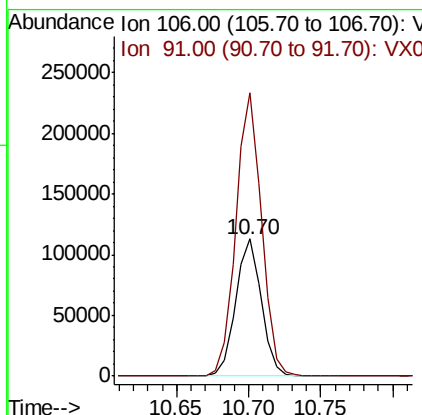
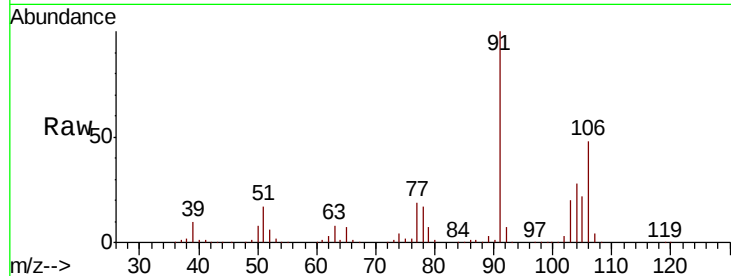




#69
o-Xylene
Concen: 20.17 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

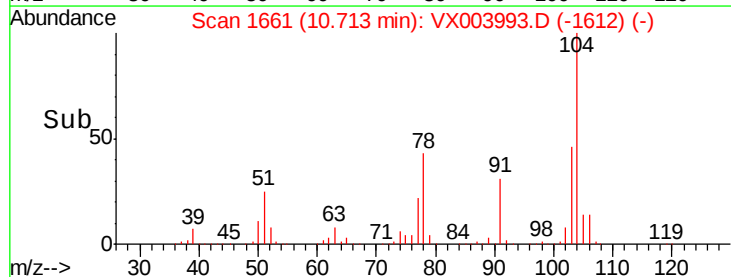
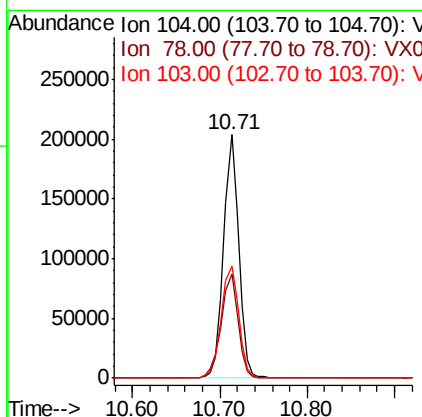
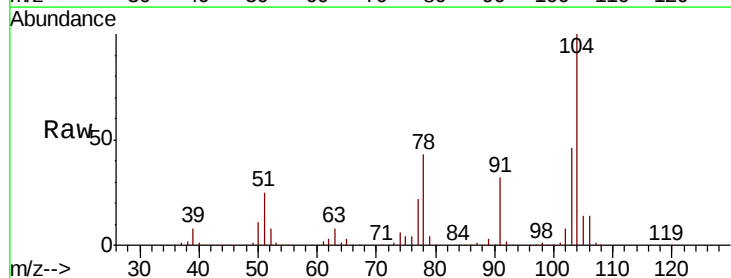
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:106 Resp: 140733
Ion Ratio Lower Upper
106 100
91 206.4 101.9 305.7



#70
Styrene
Concen: 21.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:104 Resp: 243825
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 53.5 44.3 66.5

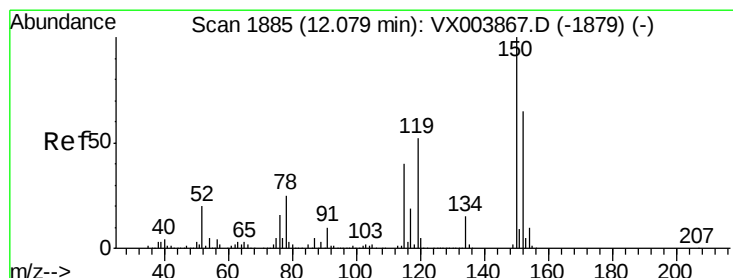
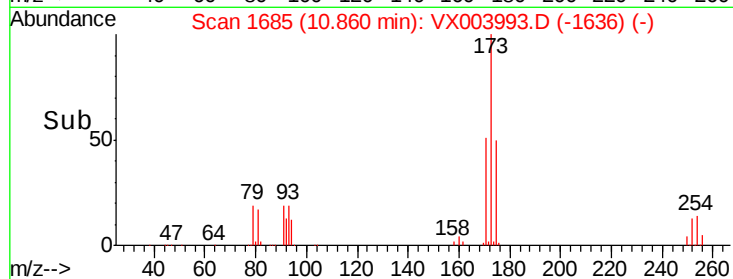
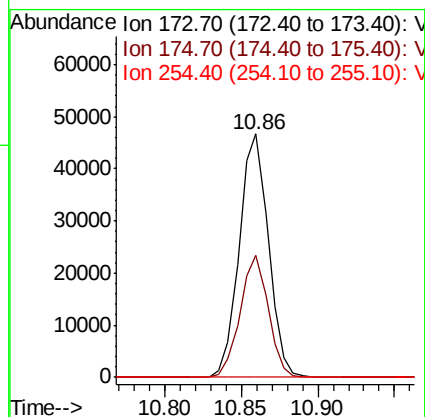
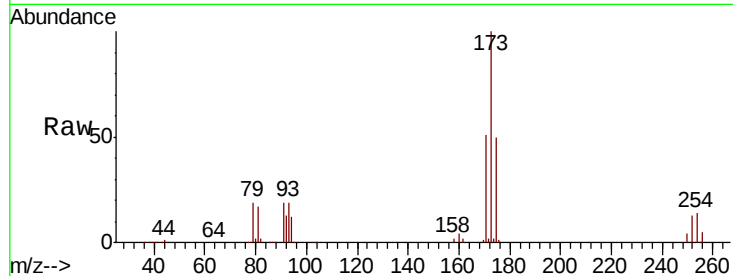




#71
Bromoform
Concen: 20.73 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

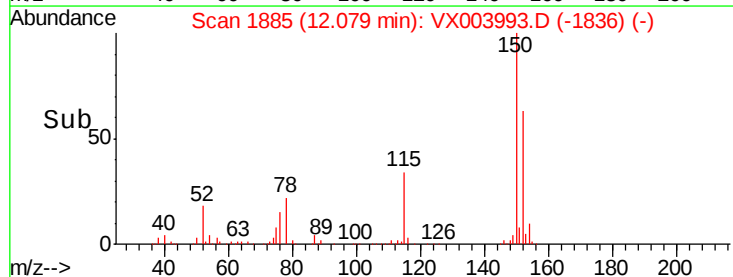
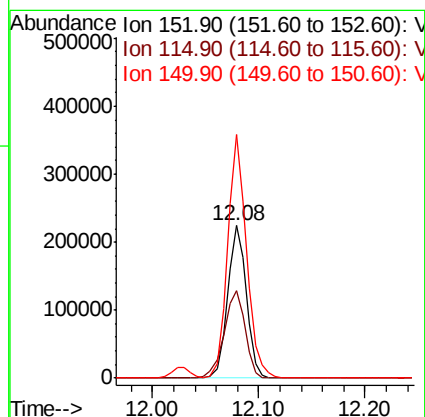
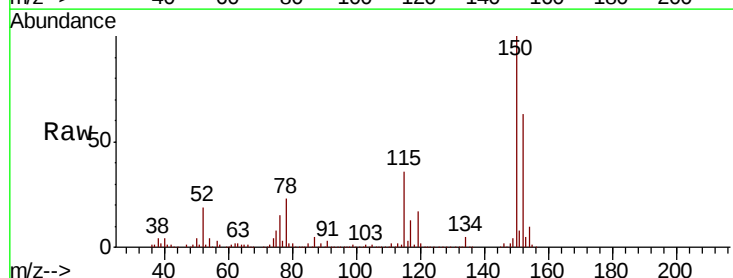
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:173 Resp: 61579
Ion Ratio Lower Upper
173 100
175 48.6 24.9 74.7
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:152 Resp: 273963
Ion Ratio Lower Upper
152 100
115 64.7 39.1 117.3
150 162.0 0.0 349.2





#73

Isopropylbenzene

Concen: 19.90 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

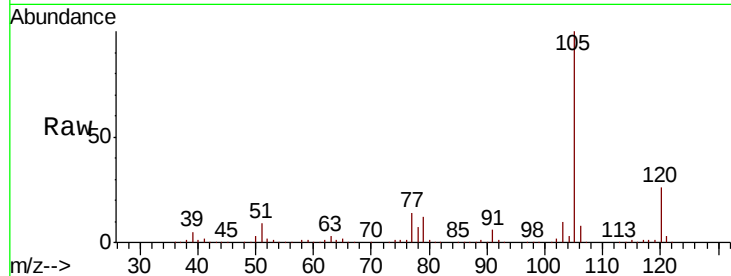
VX0813WBS01

Tot Ion:105 Resp: 403279

Ion Ratio Lower Upper

105 100

120 26.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

300000

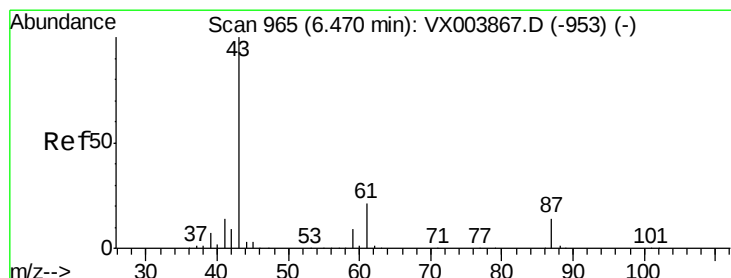
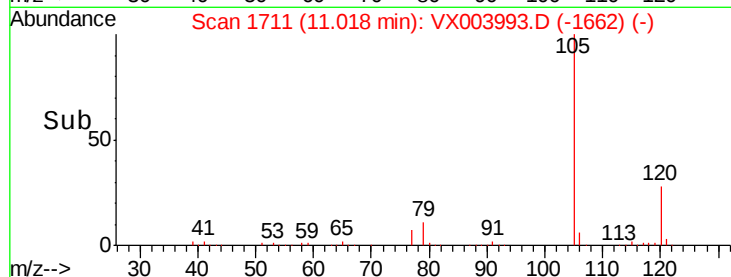
200000

100000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 17.29 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion: 43 Resp: 182258

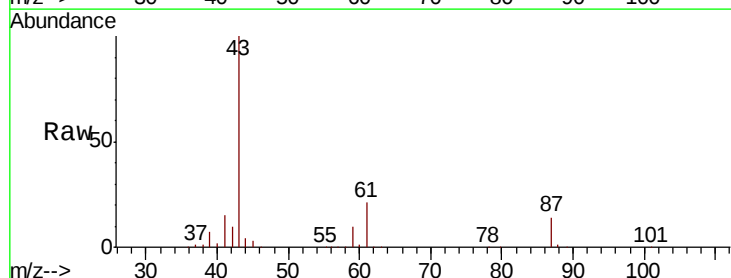
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.0 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.46

100000

80000

60000

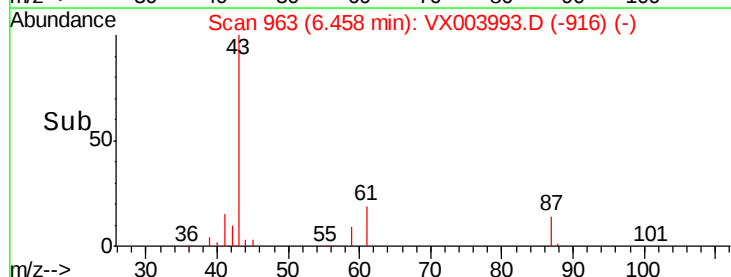
40000

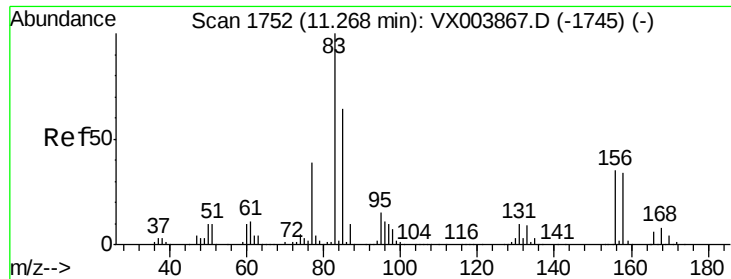
20000

0

Time-->

6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 19.52 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

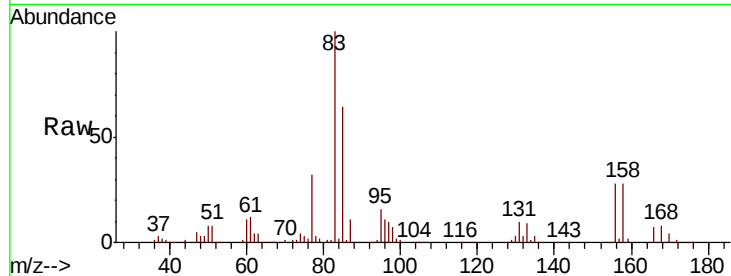
Tot Ion: 83 Resp: 135620

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

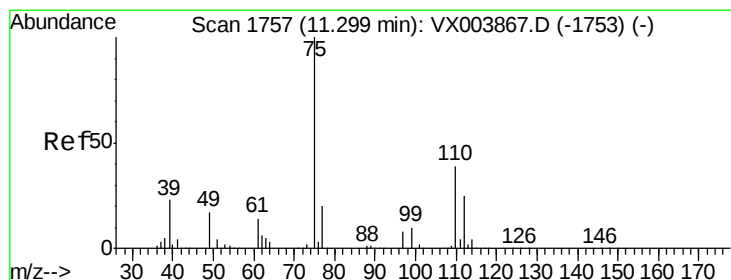
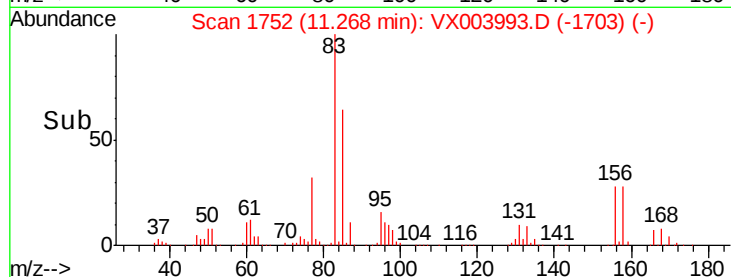
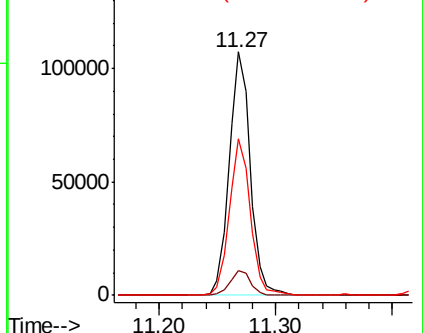
85 63.8 32.2 96.6



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: 24.57 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003993.D

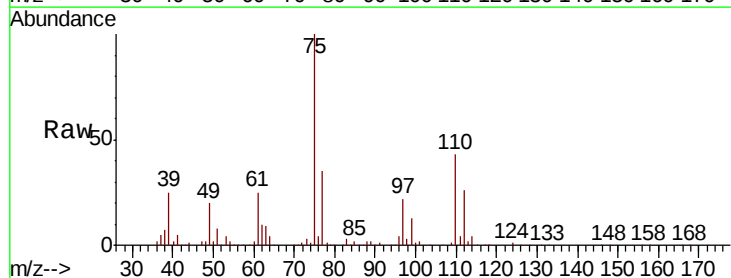
Acq: 13 Aug 2018 12:09

Tgt Ion: 75 Resp: 148688

Ion Ratio Lower Upper

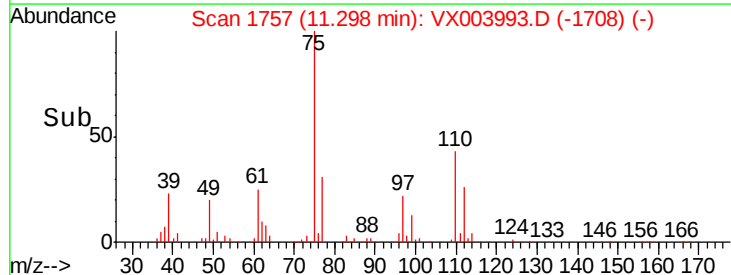
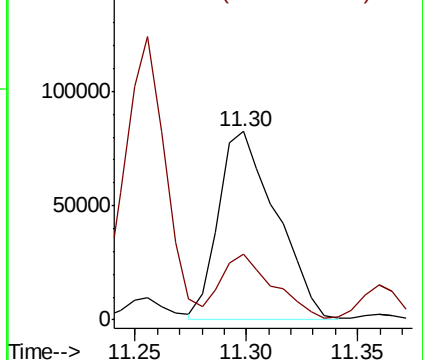
75 100

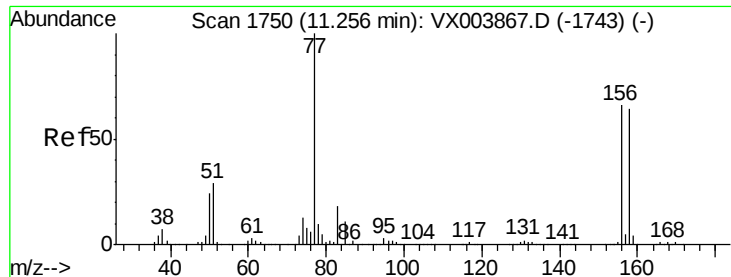
77 31.8 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.82 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

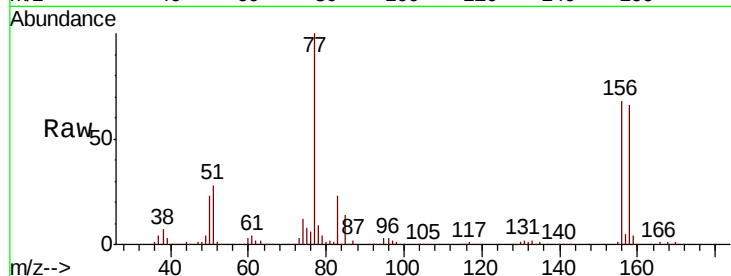
Tot Ion:156 Resp: 107183

Ion Ratio Lower Upper

156 100

77 147.7 74.1 222.2

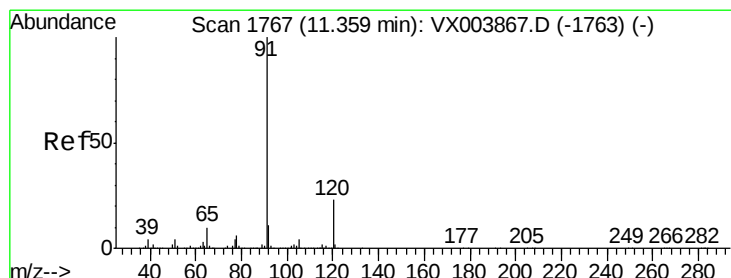
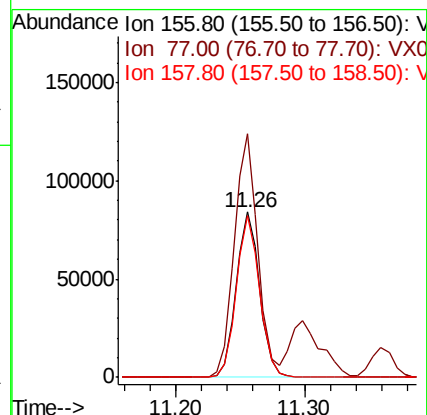
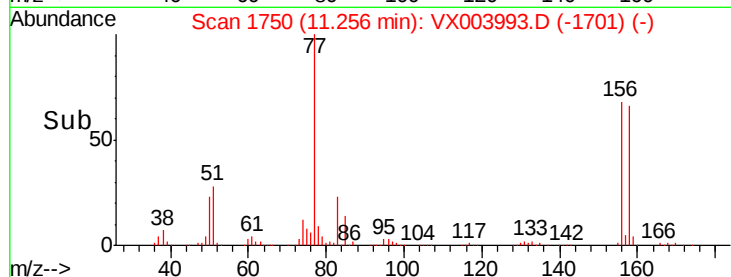
158 97.1 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.44 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003993.D

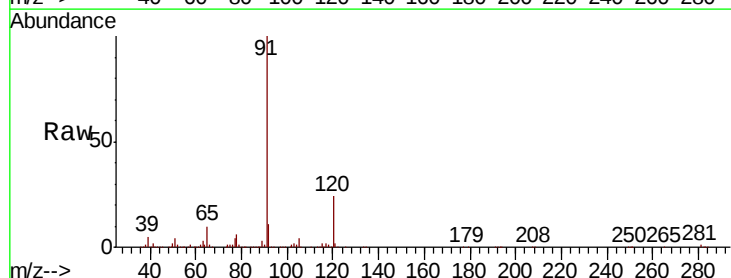
Acq: 13 Aug 2018 12:09

Tgt Ion: 91 Resp: 465194

Ion Ratio Lower Upper

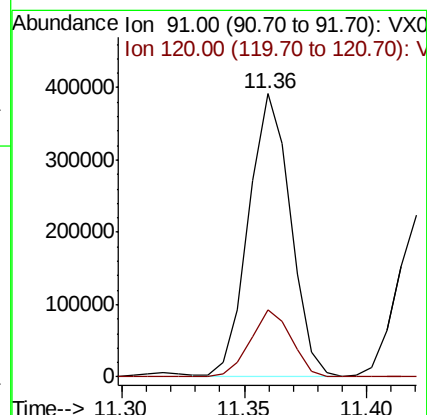
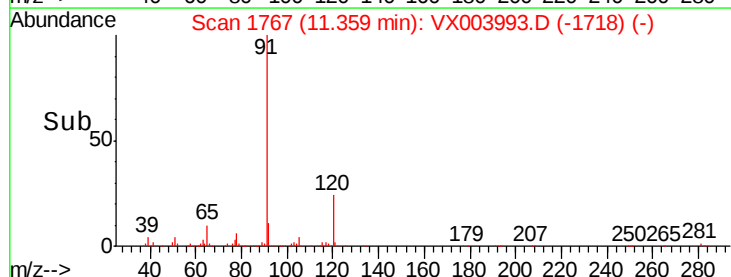
91 100

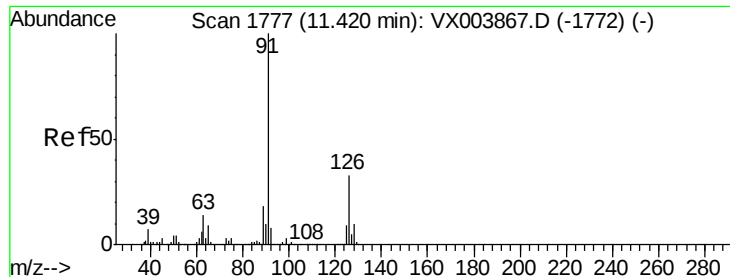
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

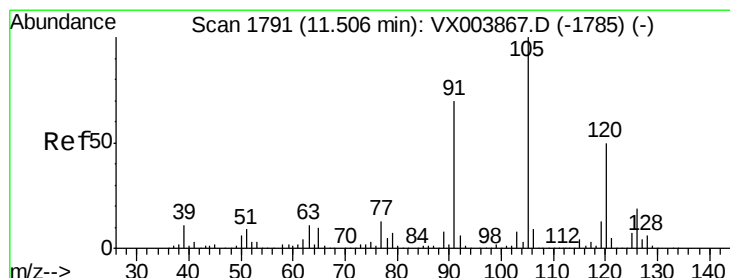
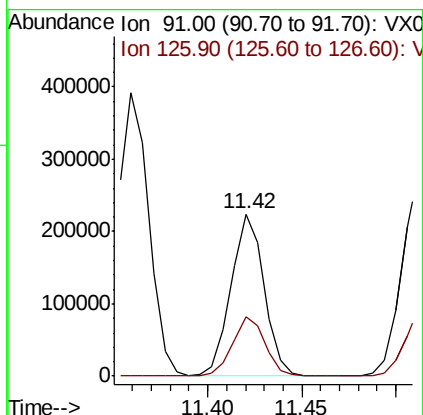
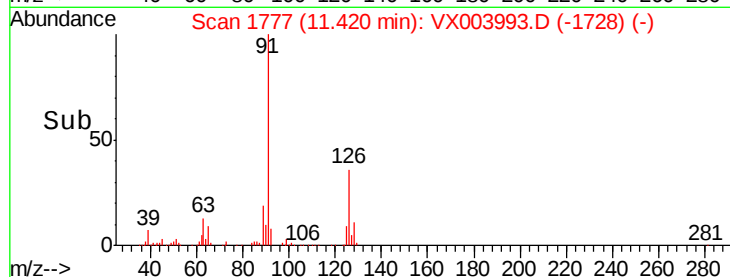
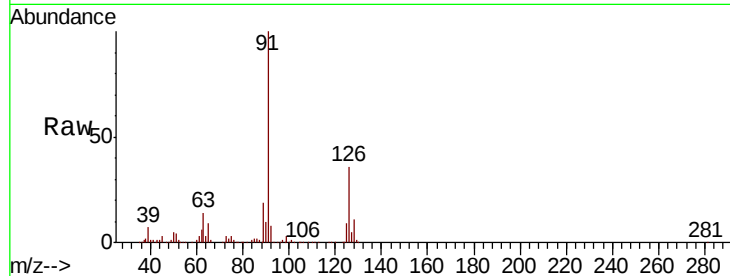




#79
 2-Chlorotoluene
 Concen: 19.63 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

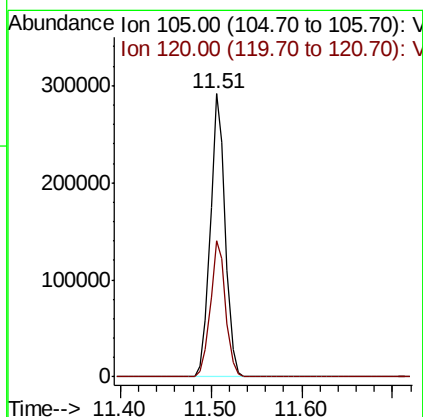
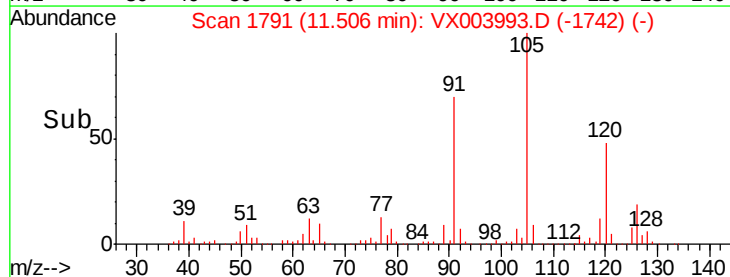
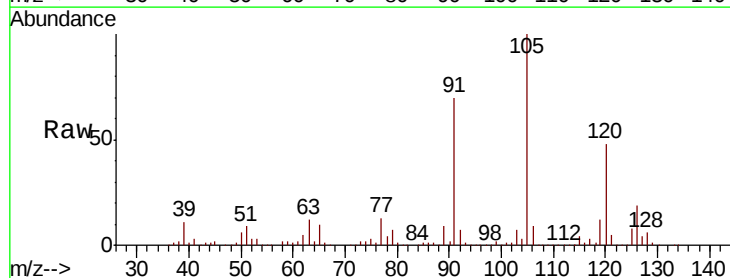
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

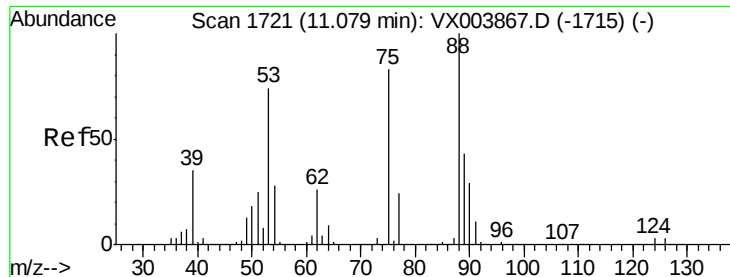
Tot Ion: 91 Resp: 272348
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.47 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion:105 Resp: 338210
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.79 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

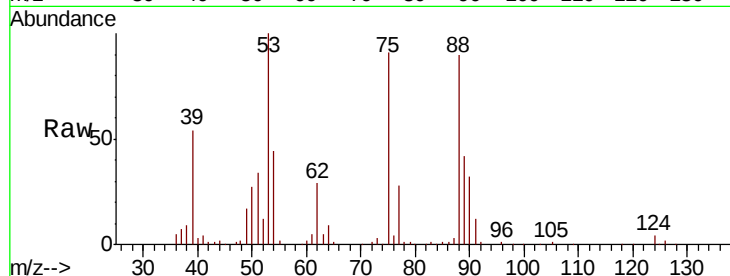
Tot Ion: 75 Resp: 35316

Ion Ratio Lower Upper

75 100

53 105.7 80.3 120.5

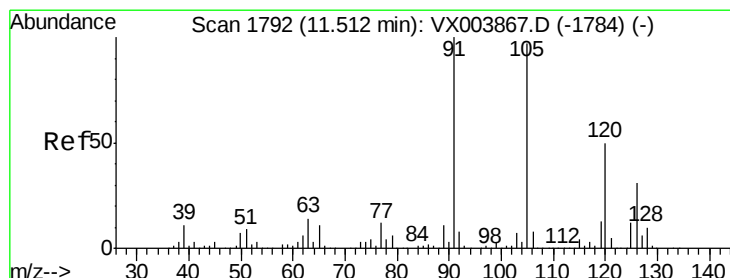
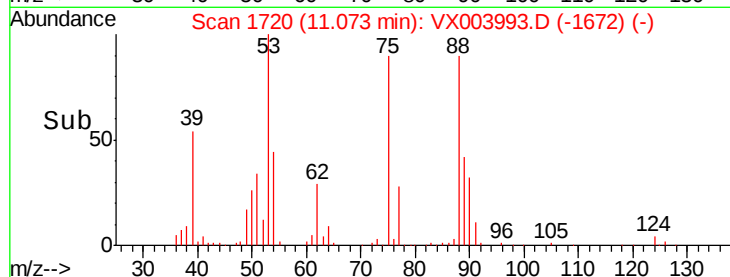
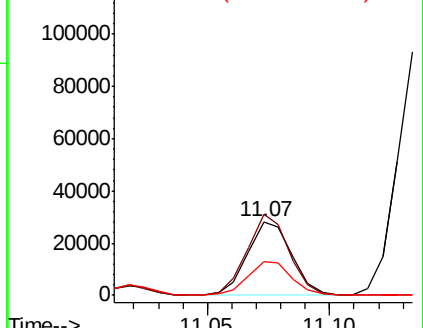
89 46.2 37.8 56.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003993.D

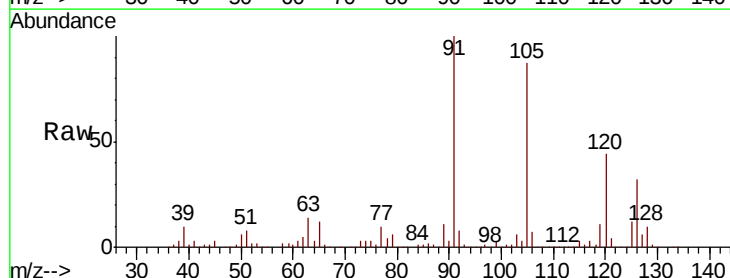
Acq: 13 Aug 2018 12:09

Tgt Ion: 91 Resp: 323370

Ion Ratio Lower Upper

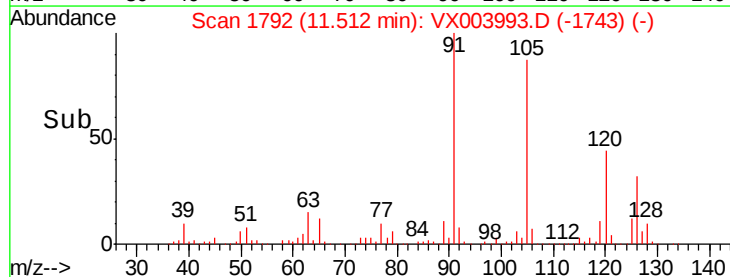
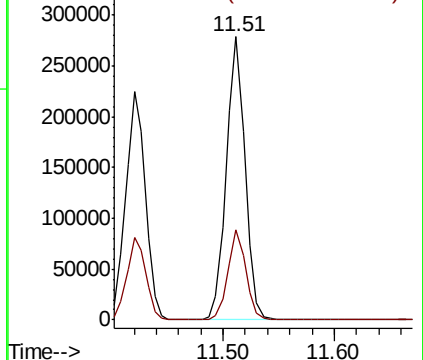
91 100

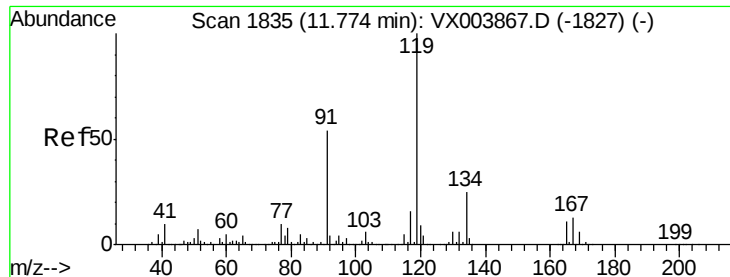
126 30.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

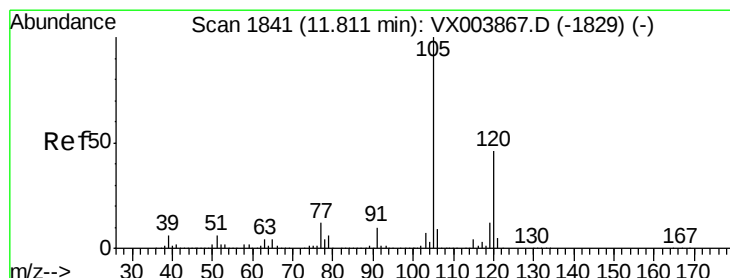
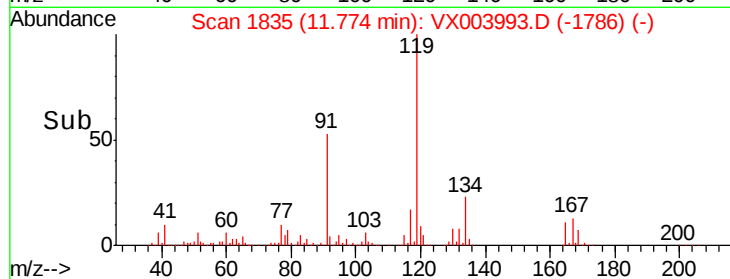
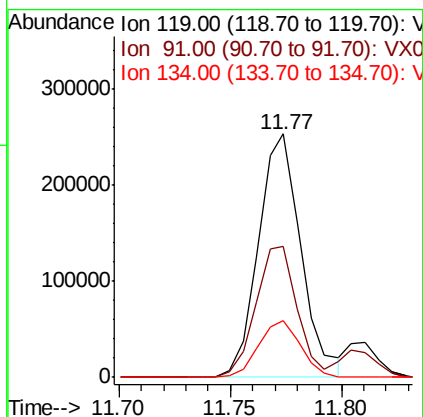
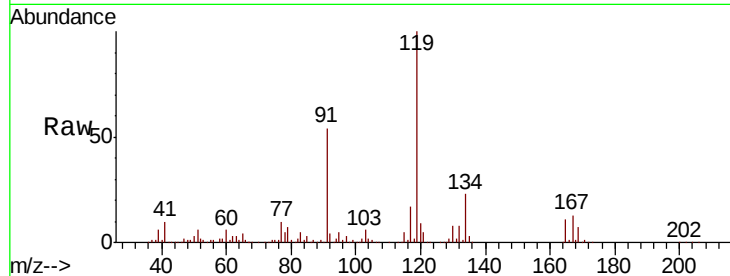




#83
 tert-Butylbenzene
 Concen: 20.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

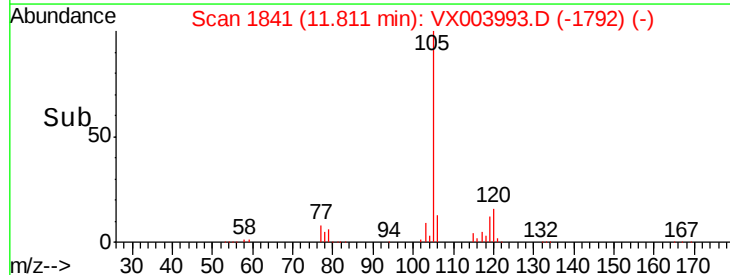
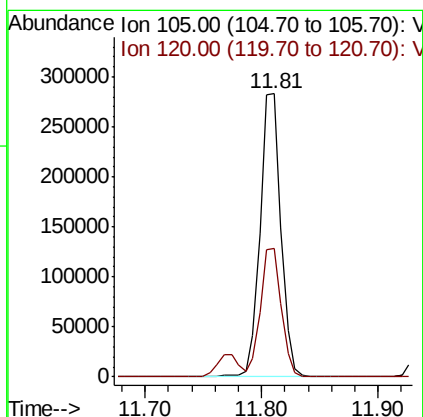
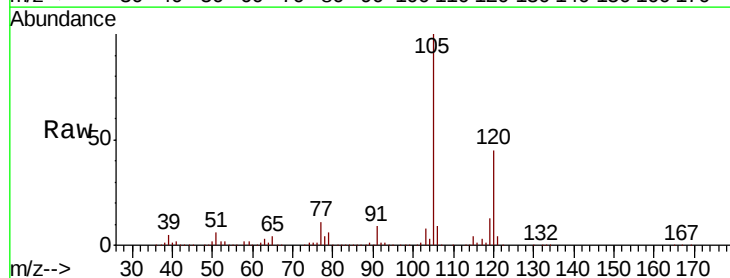
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

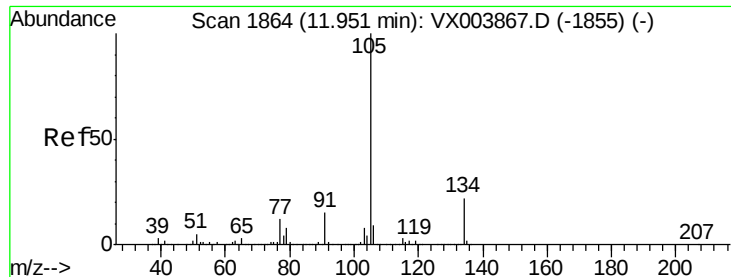
Tot Ion:119 Resp: 335745
 Ion Ratio Lower Upper
 119 100
 91 52.2 26.9 80.7
 134 23.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion:105 Resp: 355454
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.58 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

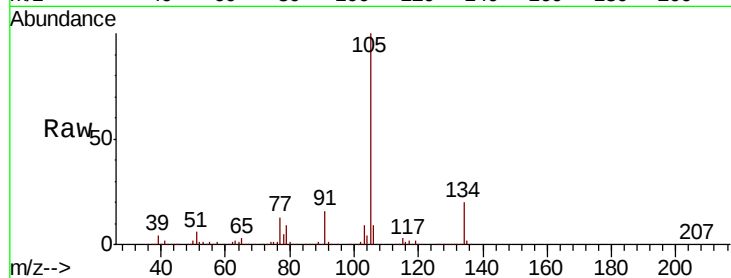
VX0813WBS01

Tot Ion:105 Resp: 394893

Ion Ratio Lower Upper

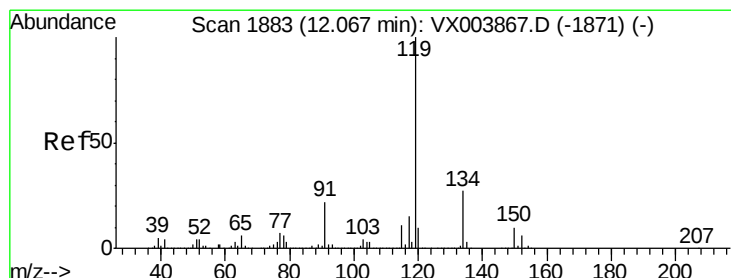
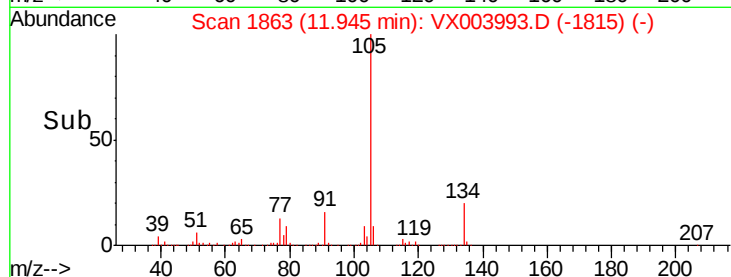
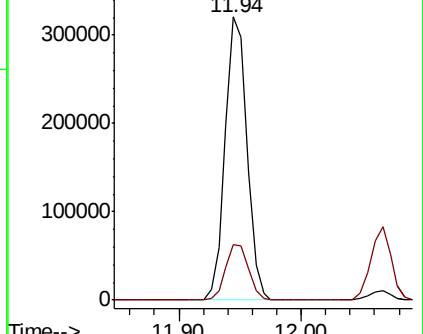
105 100

134 20.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.70 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

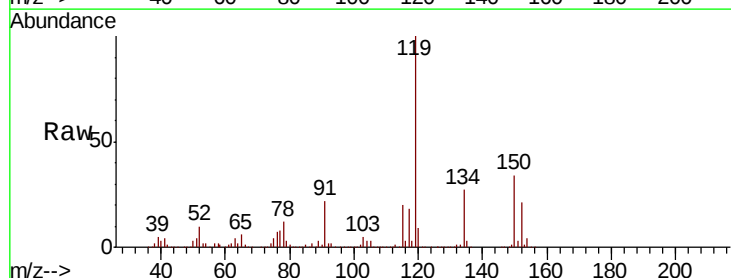
Tgt Ion:119 Resp: 356361

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

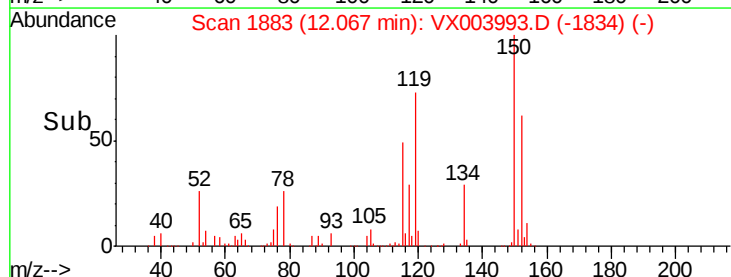
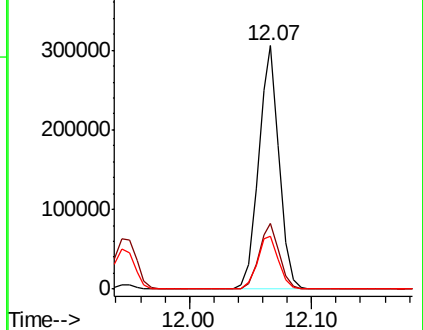
91 22.7 10.9 32.7

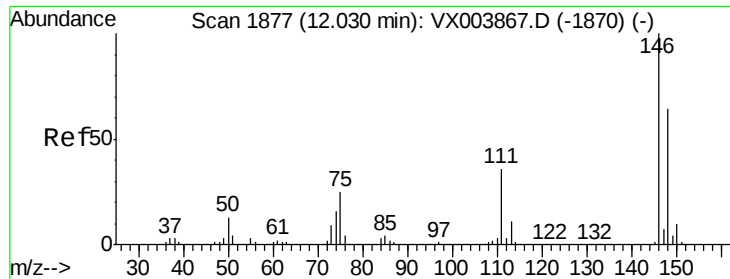


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.88 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

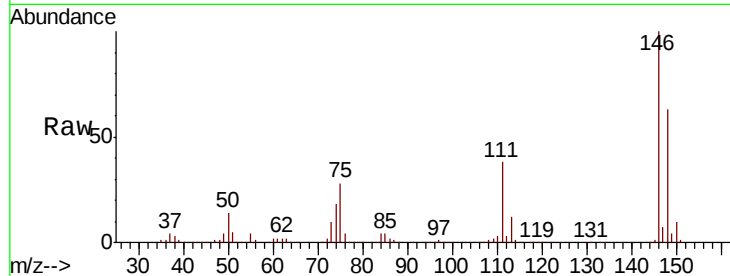
Tot Ion:146 Resp: 198683

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.4

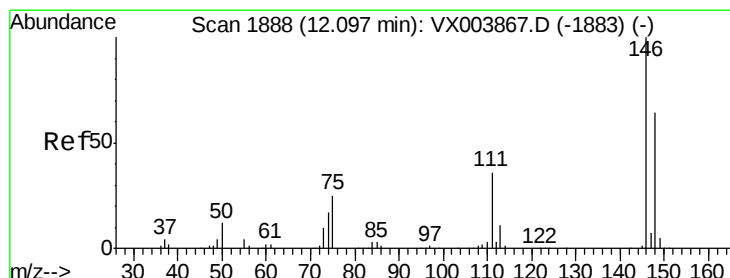
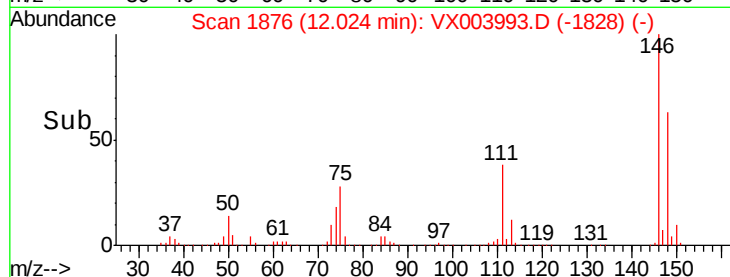
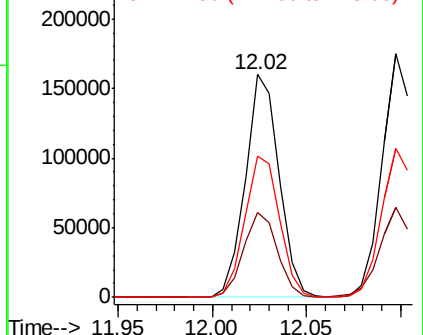
148 65.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.99 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

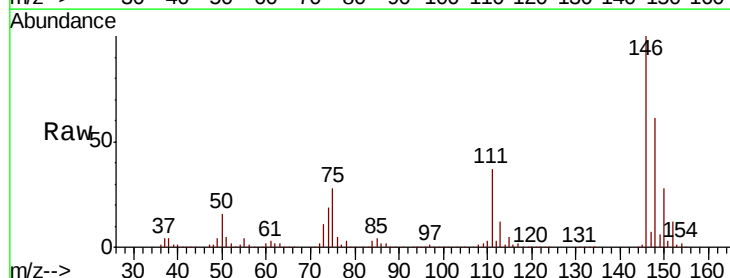
Tgt Ion:146 Resp: 207220

Ion Ratio Lower Upper

146 100

111 38.0 18.4 55.0

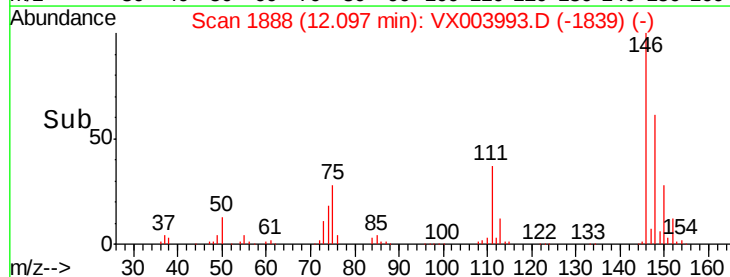
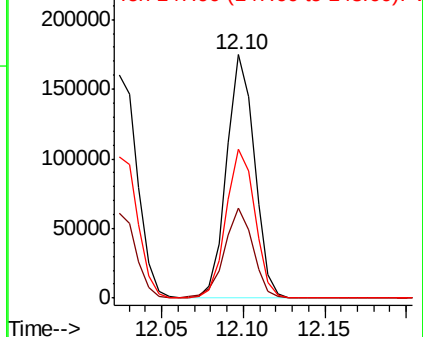
148 63.5 32.3 96.8

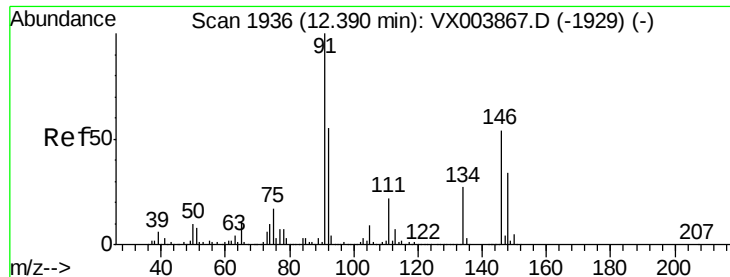


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.59 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

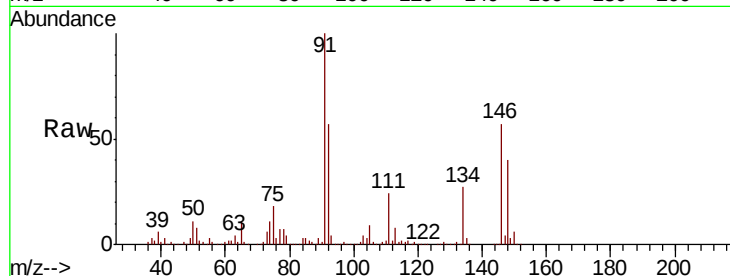
Tot Ion: 91 Resp: 293901

Ion Ratio Lower Upper

91 100

92 55.0 27.1 81.3

134 27.1 13.6 40.7

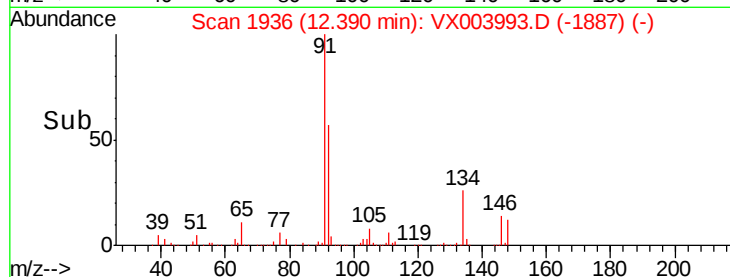


Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003867.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1929) (-)

Time-->

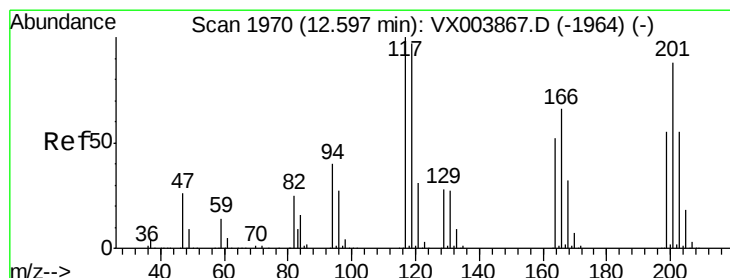


Abundance Ion 91.00 (90.70 to 91.70): VX003993.D (-1887) (-)

Ion 92.00 (91.70 to 92.70): VX003993.D (-1887) (-)

Ion 134.00 (133.70 to 134.70): VX003993.D (-1887) (-)

Time-->



#90

Hexachloroethane

Concen: 17.69 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003993.D

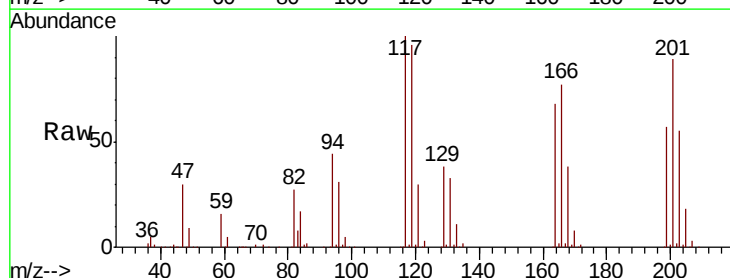
Acq: 13 Aug 2018 12:09

Tgt Ion: 117 Resp: 49454

Ion Ratio Lower Upper

117 100

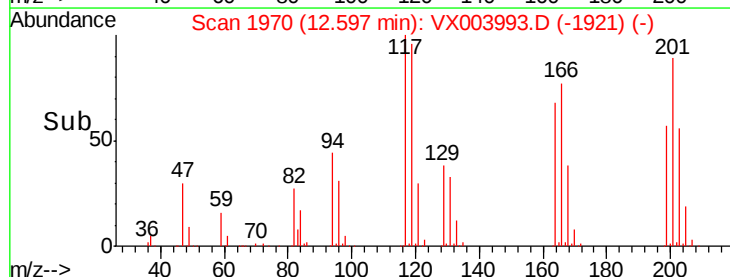
201 90.3 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): VX003867.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003867.D (-1964) (-)

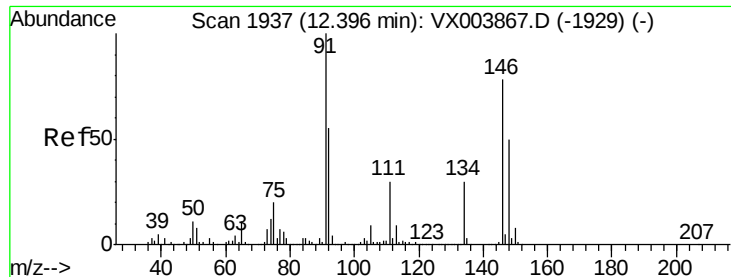
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX003993.D (-1921) (-)

Ion 200.70 (200.40 to 201.40): VX003993.D (-1921) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 19.24 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

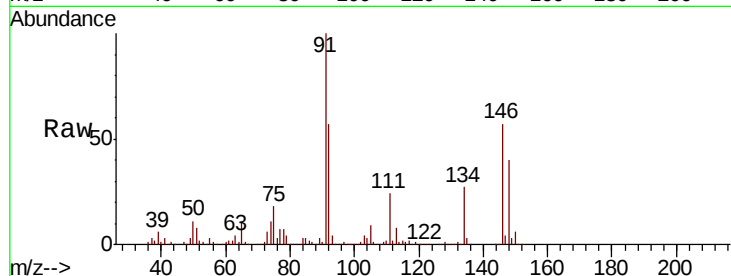
Tot Ion:146 Resp: 190585

Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

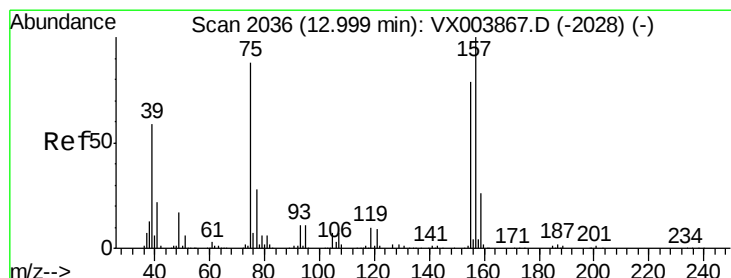
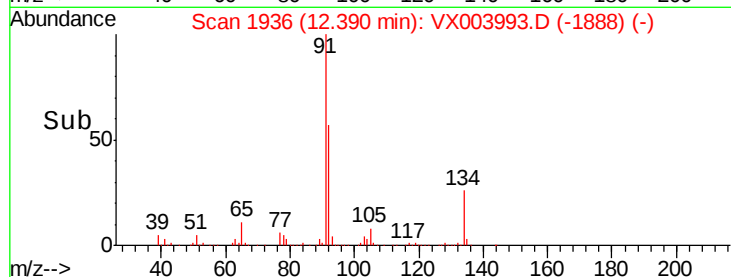
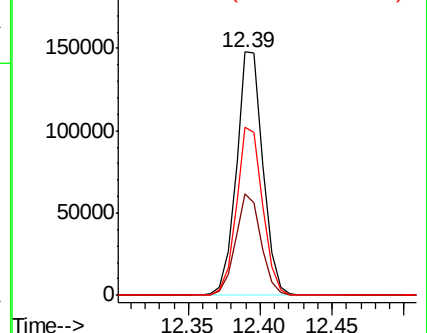
148 68.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.17 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

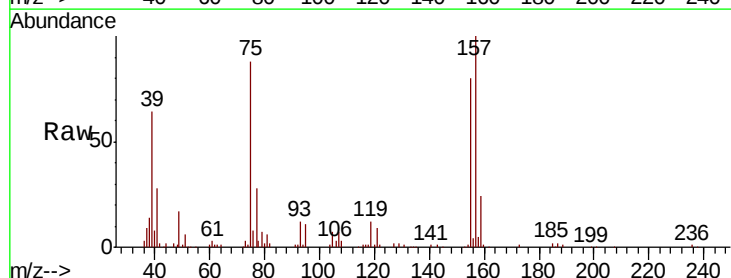
Tgt Ion: 75 Resp: 23006

Ion Ratio Lower Upper

75 100

155 94.3 48.7 146.1

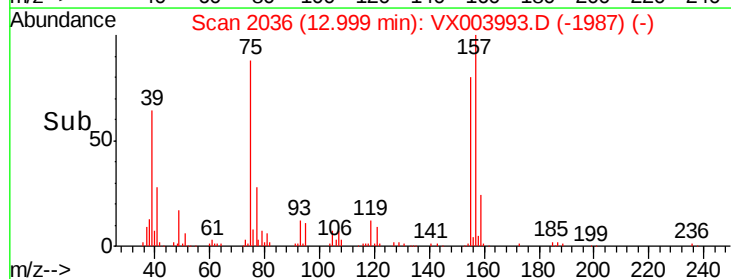
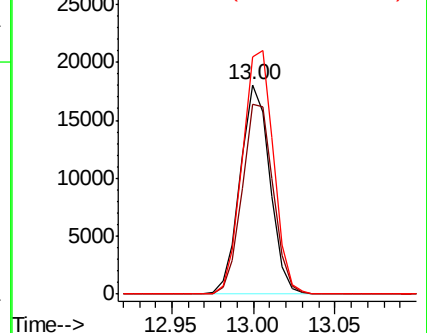
157 122.0 62.6 187.8

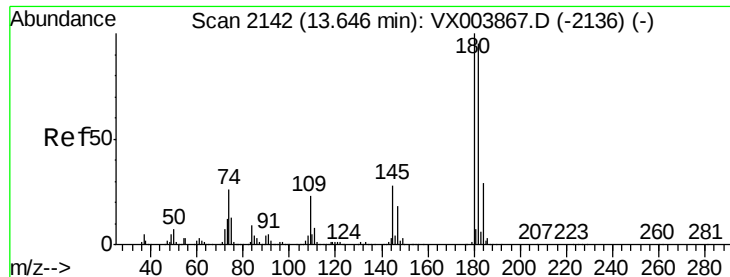


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

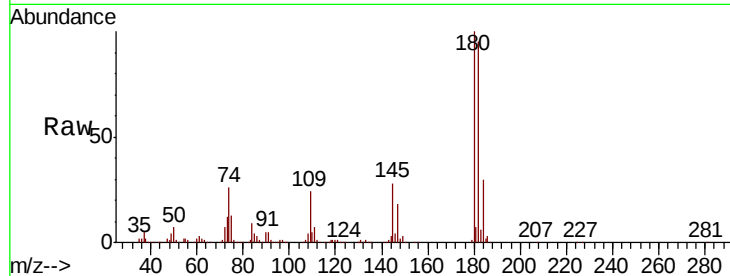




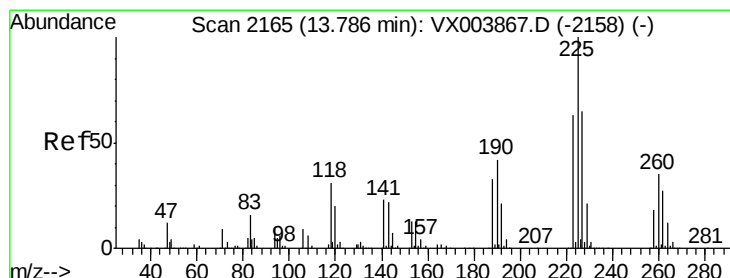
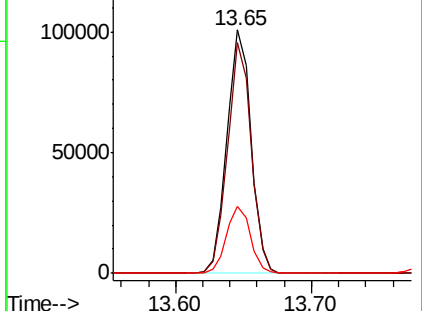
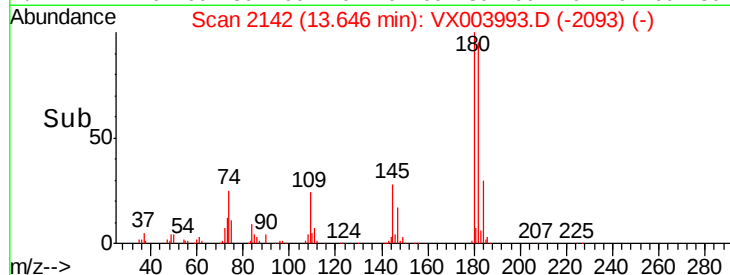
#93
 1,2,4-Trichlorobenzene
 Concen: 17.46 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampled :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.7	143.1
145	27.4	13.9	41.6

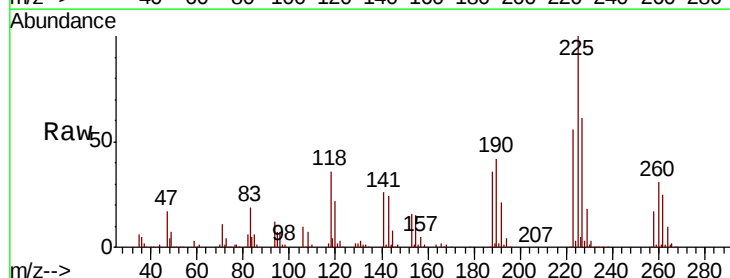


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

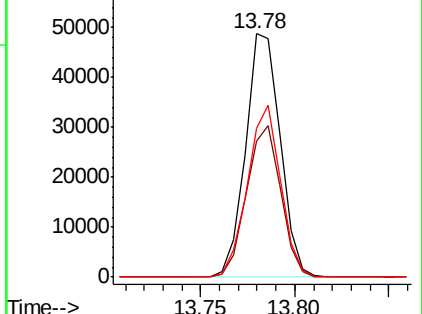
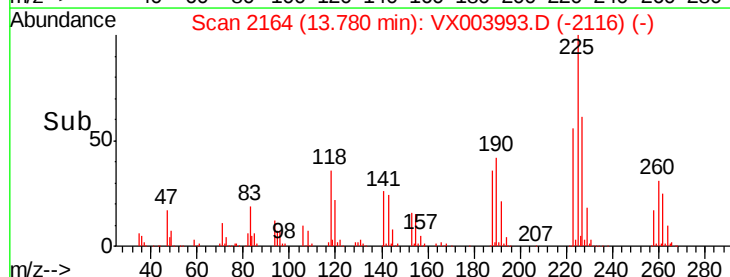


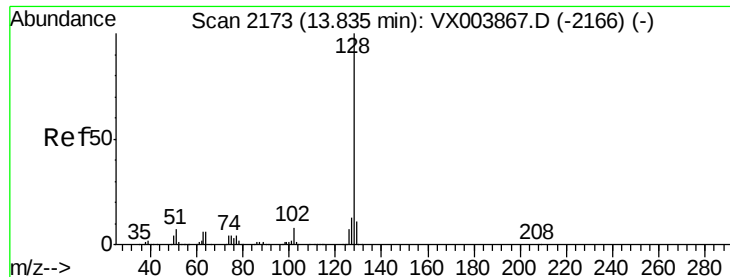
#94
 Hexachlorobutadiene
 Concen: 18.65 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.0
227	67.3	32.1	96.5



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





#95

Naphthalene

Concen: 18.90 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

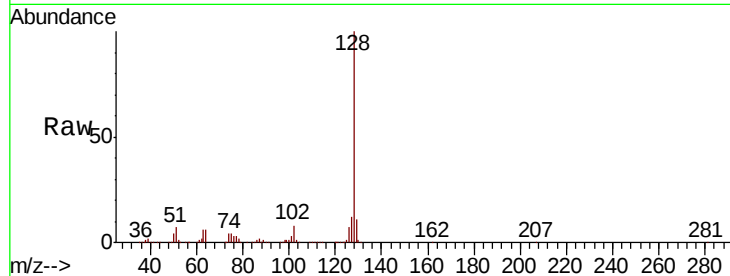
Tot Ion:128 Resp: 385640

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

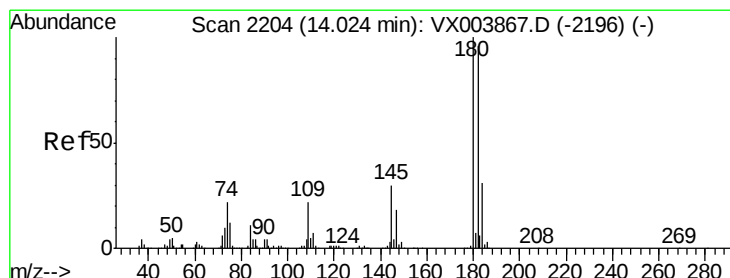
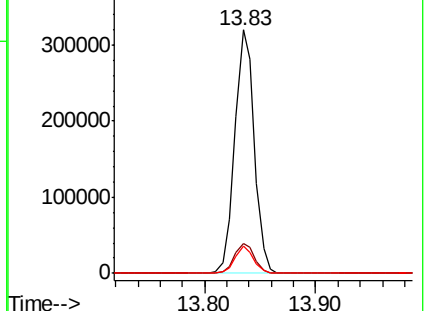
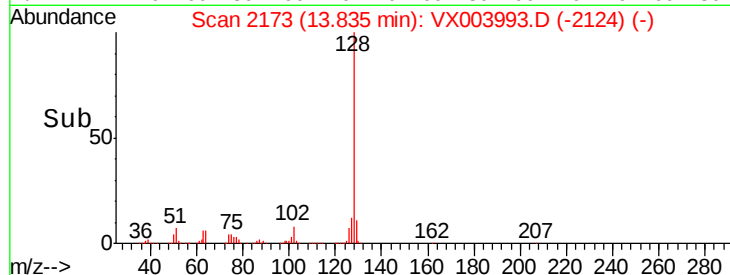
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.61 ug/l

RT: 14.02 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

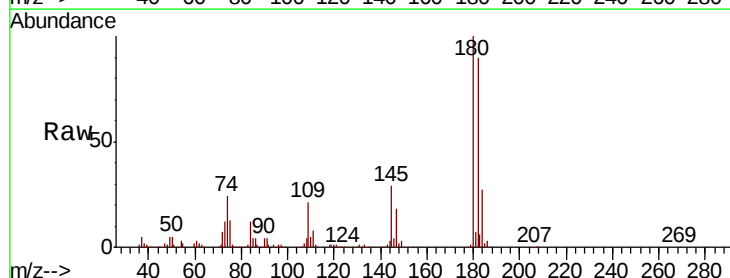
Tgt Ion:180 Resp: 139448

Ion Ratio Lower Upper

180 100

182 96.7 48.1 144.4

145 29.4 14.9 44.7



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

