

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003947.D
 Acq On : 09 Aug 2018 13:43
 Operator : JC/MD
 Sample : VX0809WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

Quant Time: Aug 10 01:02:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	505265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	473844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264727	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	218987	47.85	ug/l	0.00
Spiked Amount						
			Recovery	=	95.70%	
35) Dibromofluoromethane	5.50	113	180973	47.28	ug/l	0.00
Spiked Amount						
			Recovery	=	94.56%	
50) Toluene-d8	8.72	98	698893	46.95	ug/l	0.00
Spiked Amount						
			Recovery	=	93.90%	
62) 4-Bromofluorobenzene	11.14	95	252917	52.51	ug/l	0.00
Spiked Amount						
			Recovery	=	105.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67079	19.17	ug/l	99
3) Chloromethane	1.32	50	82063	17.24	ug/l	98
4) Vinyl Chloride	1.40	62	87162	18.36	ug/l	98
5) Bromomethane	1.64	94	50494	17.44	ug/l	99
6) Chloroethane	1.72	64	74308	24.47	ug/l	97
7) Trichlorofluoromethane	1.93	101	122339	19.52	ug/l	98
8) Diethyl Ether	2.19	74	55279	19.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76407	19.50	ug/l	99
10) Methyl Iodide	2.51	142	71553	14.68	ug/l	100
11) Tert butyl alcohol	3.07	59	107526	97.77	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71514	19.30	ug/l	98
13) Acrolein	2.29	56	50712	85.25	ug/l	98
14) Allyl chloride	2.73	41	136862	19.16	ug/l	99
15) Acrylonitrile	3.15	53	254033	96.80	ug/l	99
16) Acetone	2.45	43	259454	95.29	ug/l	100
17) Carbon Disulfide	2.57	76	190556	18.42	ug/l	100
18) Methyl Acetate	2.78	43	120070	20.25	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	262830	20.02	ug/l	98
20) Methylene Chloride	2.86	84	85309	18.74	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	80281	19.08	ug/l	97
22) Diisopropyl ether	3.87	45	254387	19.37	ug/l	99
23) Vinyl Acetate	3.82	43	1060398	97.05	ug/l	99
24) 1,1-Dichloroethane	3.70	63	152101	19.50	ug/l	99
25) 2-Butanone	4.71	43	402176	98.24	ug/l	98
26) 2,2-Dichloropropane	4.58	77	106764	18.98	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	89083	19.51	ug/l	99
28) Bromochloromethane	5.02	49	63821	19.12	ug/l	98
29) Tetrahydrofuran	5.17	42	204359	97.12	ug/l	100
30) Chloroform	5.21	83	146785	19.99	ug/l	100
31) Cyclohexane	5.57	56	126091	19.11	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	123203	20.01	ug/l	99
36) 1,1-Dichloropropene	5.80	75	108096	19.10	ug/l	99
37) Ethyl Acetate	4.86	43	119969	19.27	ug/l	99
38) Carbon Tetrachloride	5.78	117	104753	19.45	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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 ClientSampleId :
 VX0809WBSD01

Quant Time: Aug 10 01:02:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125177	18.76	ug/l	98
40) Benzene	6.15	78	333943	19.65	ug/l	99
41) Methacrylonitrile	5.06	41	66815	19.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	115473	20.10	ug/l	100
43) Isopropyl Acetate	6.47	43	181807	19.41	ug/l	100
44) Trichloroethene	7.21	130	89770	19.32	ug/l	94
45) 1,2-Dichloropropane	7.52	63	84984	19.37	ug/l	99
46) Dibromomethane	7.67	93	55783	19.58	ug/l	100
47) Bromodichloromethane	7.90	83	104834	19.53	ug/l	98
48) Methyl methacrylate	7.78	41	92634	19.45	ug/l	99
49) 1,4-Dioxane	7.76	88	44351	395.37	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	783746	100.94	ug/l	100
52) Toluene	8.79	92	213887	19.92	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	112965	18.62	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	127327	19.47	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	84855	19.34	ug/l	99
56) Ethyl methacrylate	9.18	69	121332	19.06	ug/l	99
57) 1,3-Dichloropropane	9.37	76	145498	19.81	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	306197	97.82	ug/l	100
59) 2-Hexanone	9.50	43	592241	102.04	ug/l	100
60) Dibromochloromethane	9.59	129	81310	19.88	ug/l	99
61) 1,2-Dibromoethane	9.68	107	87708	19.97	ug/l	100
64) Tetrachloroethene	9.34	164	84517	18.13	ug/l	94
65) Chlorobenzene	10.14	112	234992	19.06	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	82634	19.50	ug/l	99
67) Ethyl Benzene	10.26	91	395943	19.62	ug/l	100
68) m/p-Xylenes	10.36	106	313924	39.81	ug/l	96
69) o-Xylene	10.70	106	150126	20.17	ug/l	96
70) Styrene	10.71	104	245313	20.13	ug/l	99
71) Bromoform	10.86	173	61013	18.90	ug/l #	99
73) Isopropylbenzene	11.02	105	398369	20.34	ug/l	97
74) N-amyl acetate	6.47	43	181807	17.85	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	132186	19.69	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	146733	25.09	ug/l	86
77) Bromobenzene	11.26	156	103921	19.89	ug/l	100
78) n-propylbenzene	11.36	91	449082	20.42	ug/l	99
79) 2-Chlorotoluene	11.42	91	270818	20.20	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	325620	20.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34321	17.48	ug/l	96
82) 4-Chlorotoluene	11.51	91	315027	20.06	ug/l	99
83) tert-Butylbenzene	11.77	119	327001	20.82	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	342027	21.30	ug/l	100
85) sec-Butylbenzene	11.95	105	385291	20.78	ug/l	100
86) p-Isopropyltoluene	12.07	119	340867	20.49	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	191137	19.79	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187737	20.11	ug/l	98
89) n-Butylbenzene	12.39	91	251550	17.35	ug/l	99
90) Hexachloroethane	12.60	117	45102	16.70	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	170150	17.78	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23883	17.37	ug/l	98

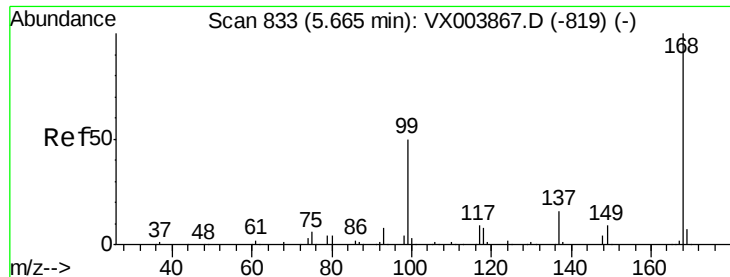
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
Data File : VX003947.D
Acq On : 09 Aug 2018 13:43
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Sample : VX0809WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

Quant Time: Aug 10 01:02:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129047	18.74	ug/l	100
94) Hexachlorobutadiene	13.79	225	62086	20.70	ug/l	99
95) Naphthalene	13.83	128	416059	21.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139559	20.31	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

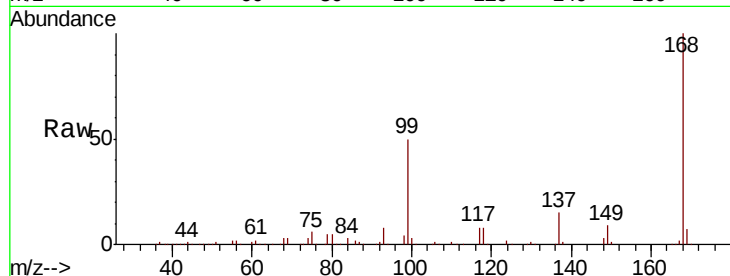
VX0809WBSD01

Tot Ion:168 Resp: 345263

Ion Ratio Lower Upper

168 100

99 50.0 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

150000

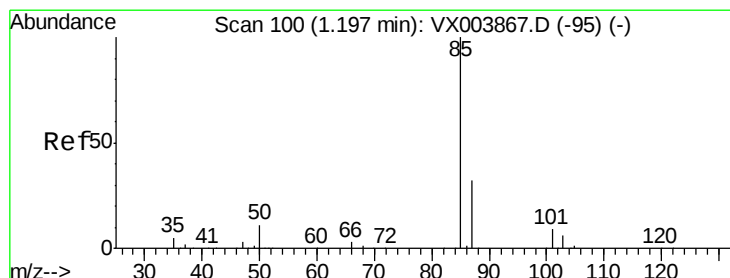
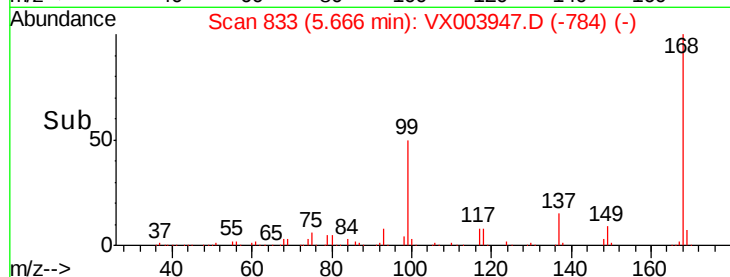
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 19.17 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003947.D

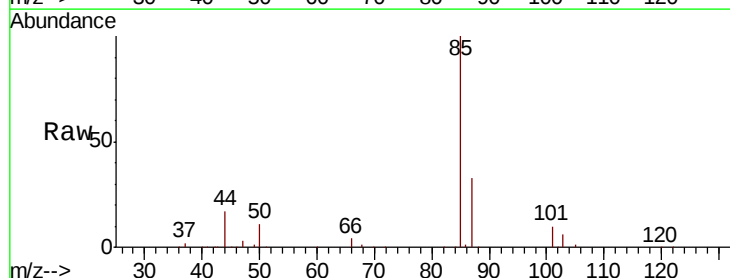
Acq: 09 Aug 2018 13:43

Tgt Ion: 85 Resp: 67079

Ion Ratio Lower Upper

85 100

87 32.6 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

60000

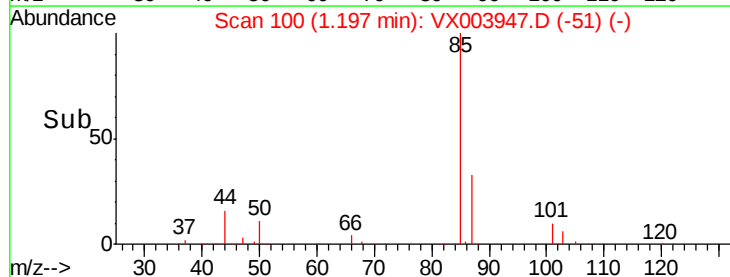
40000

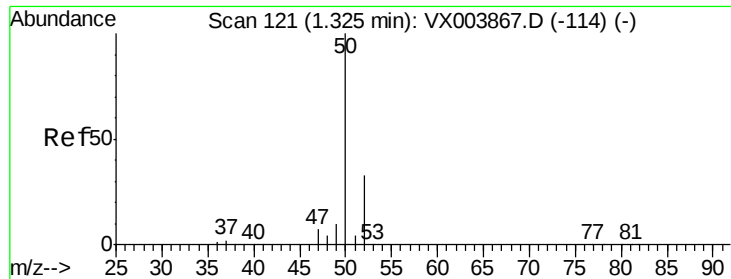
20000

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Time-->

1.15 1.20 1.25 1.30

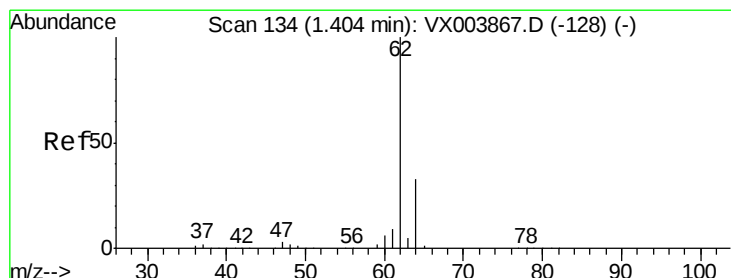
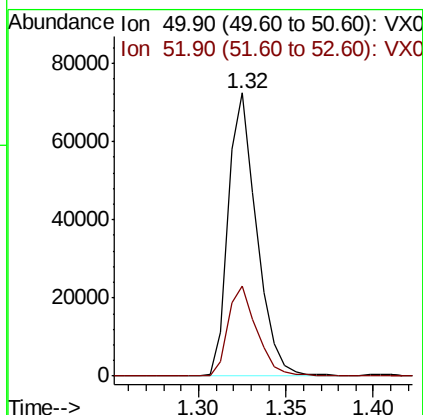
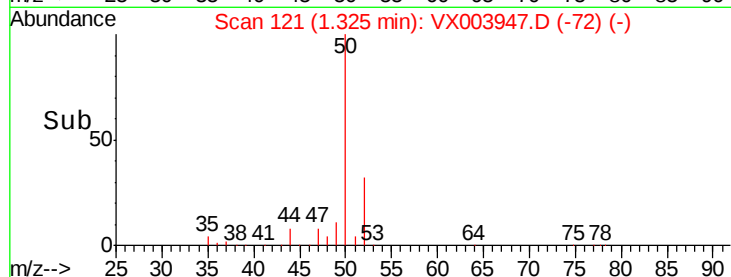
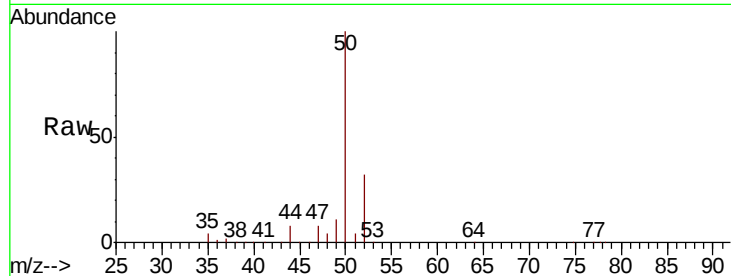




#3
Chloromethane
Concen: 17.24 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

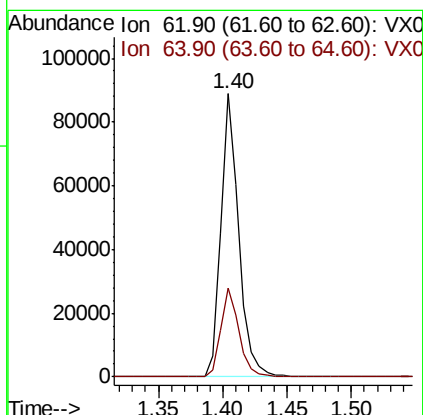
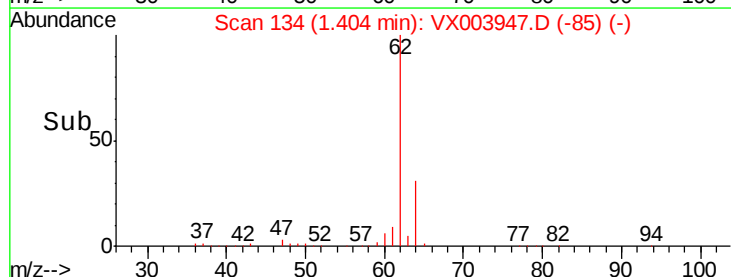
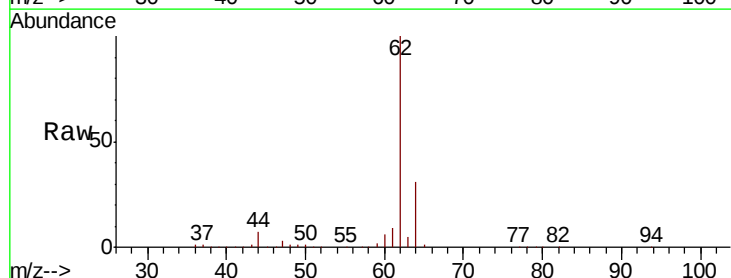
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

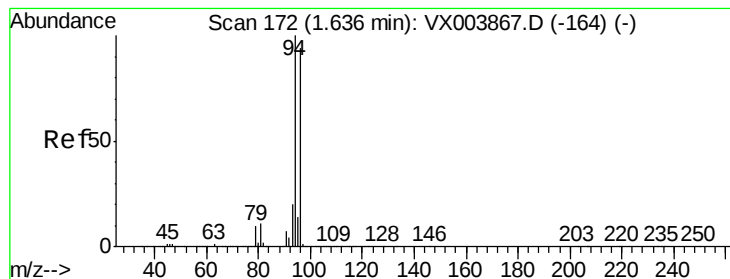
Tot Ion: 50 Resp: 82063
Ion Ratio Lower Upper
50 100
52 32.0 26.6 39.8



#4
Vinyl Chloride
Concen: 18.36 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion: 62 Resp: 87162
Ion Ratio Lower Upper
62 100
64 31.5 26.0 39.0





#5

Bromomethane

Concen: 17.44 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

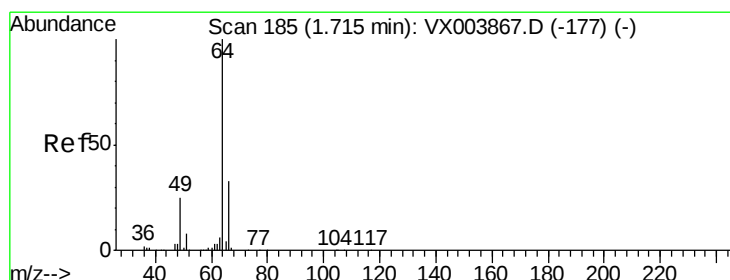
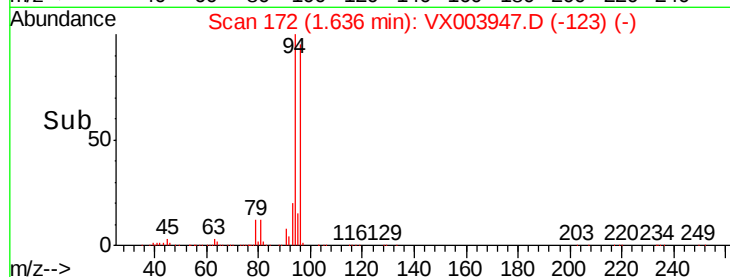
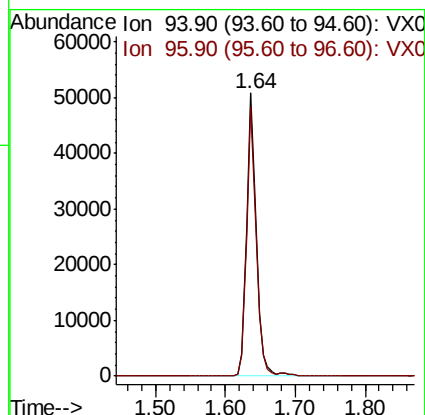
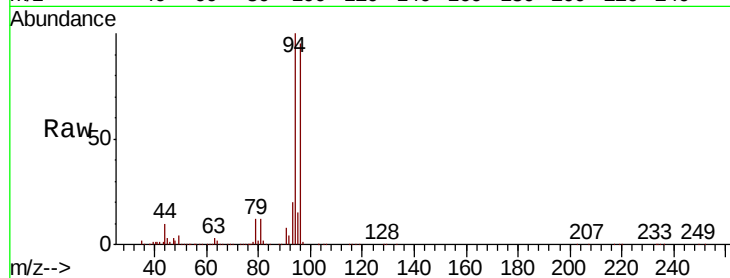
VX0809WBSD01

Tot Ion: 94 Resp: 50494

Ion Ratio Lower Upper

94 100

96 95.1 75.2 112.8



#6

Chloroethane

Concen: 24.47 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003947.D

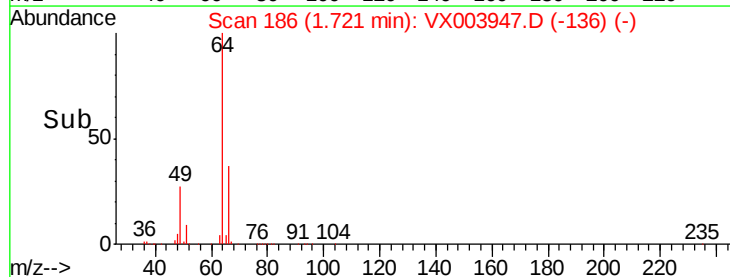
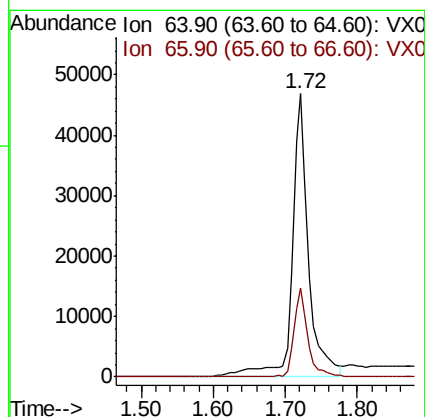
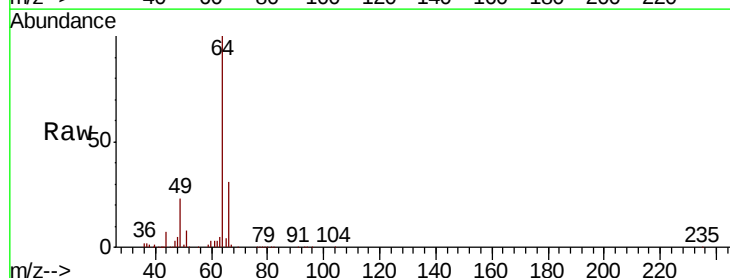
Acq: 09 Aug 2018 13:43

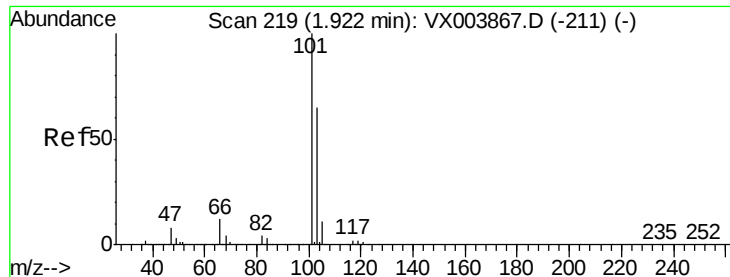
Tgt Ion: 64 Resp: 74308

Ion Ratio Lower Upper

64 100

66 31.4 26.5 39.7





#7

Trichlorofluoromethane

Concen: 19.52 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

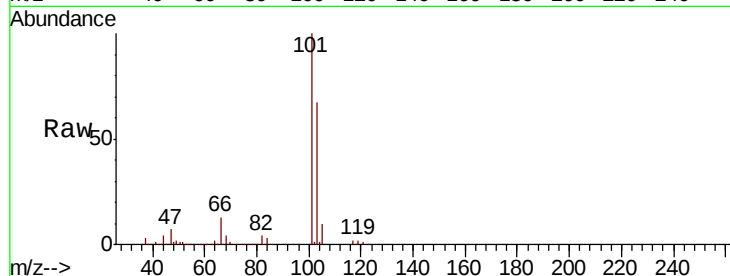
VX0809WBSD01

Tot Ion:101 Resp: 122339

Ion Ratio Lower Upper

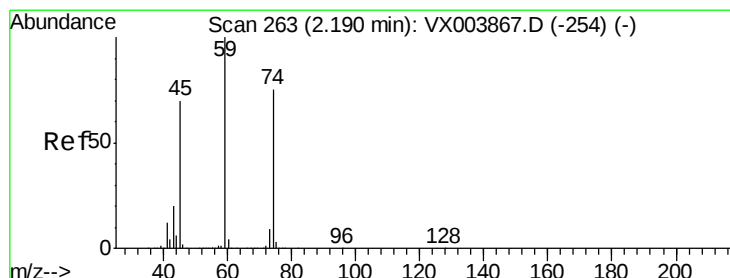
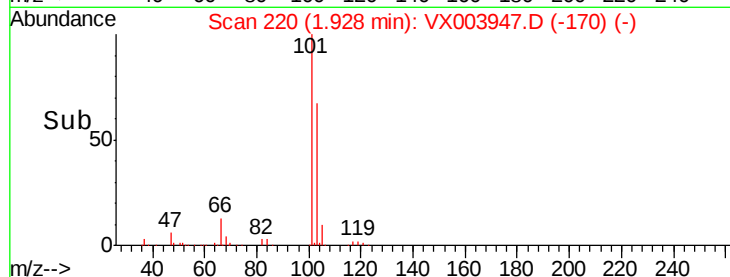
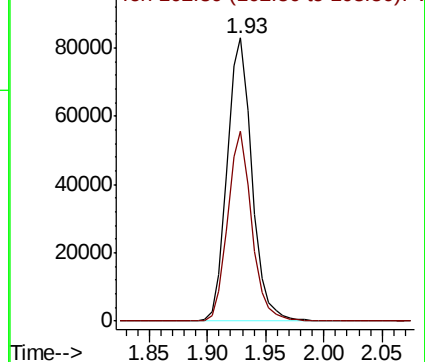
101 100

103 67.1 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.62 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003947.D

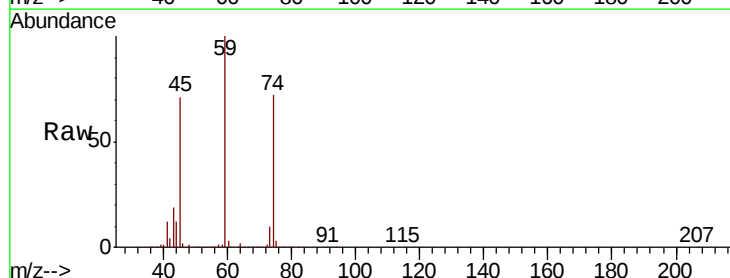
Acq: 09 Aug 2018 13:43

Tgt Ion: 74 Resp: 55279

Ion Ratio Lower Upper

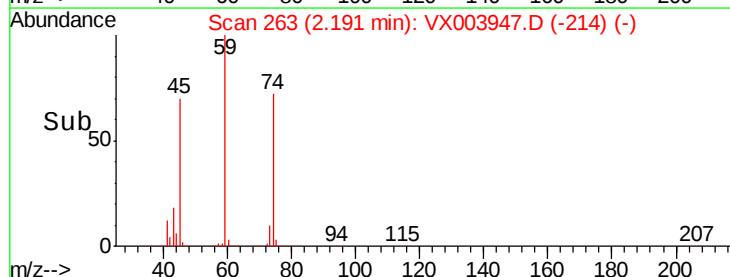
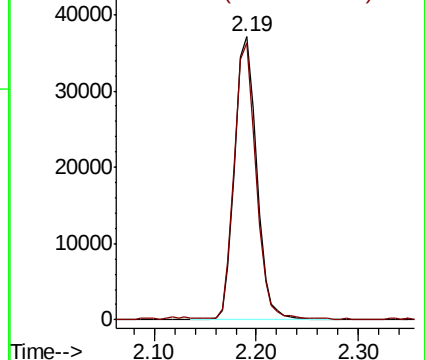
74 100

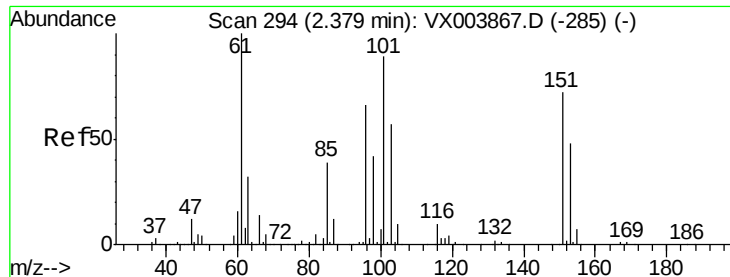
45 95.5 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.50 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

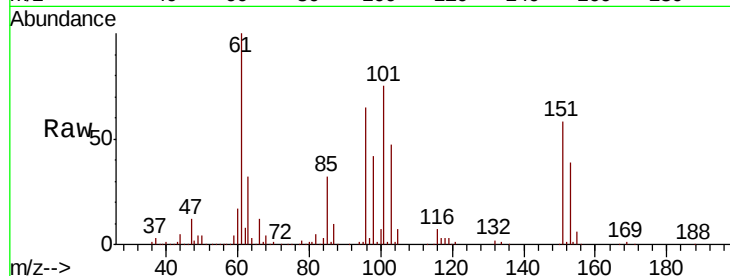
Tot Ion:101 Resp: 76407

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

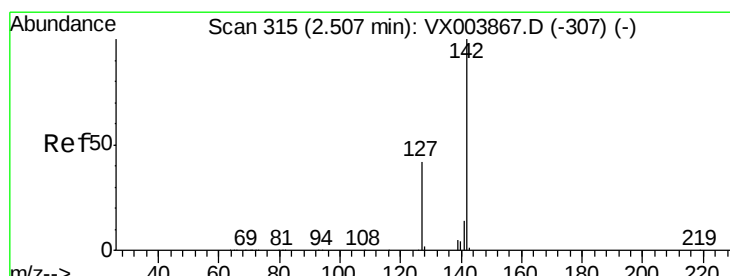
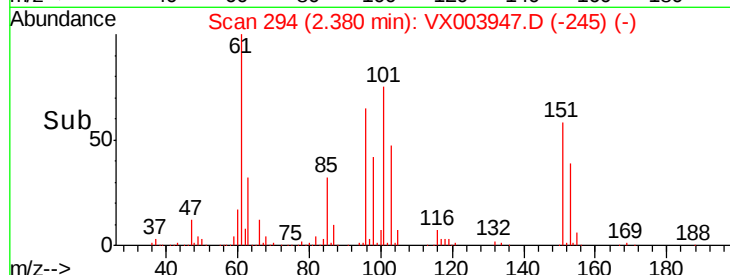
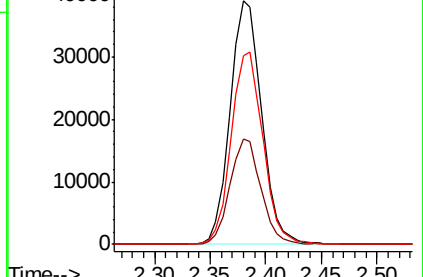
151 79.4 65.0 97.4



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: 14.68 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

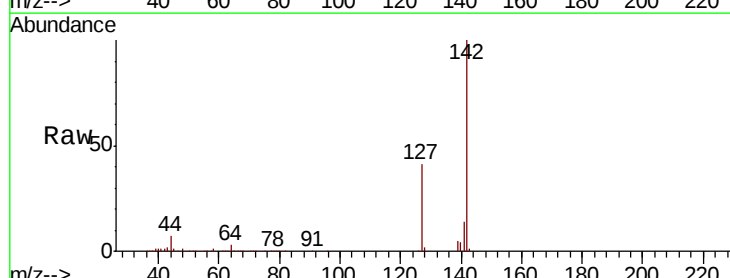
Tgt Ion:142 Resp: 71553

Ion Ratio Lower Upper

142 100

127 41.5 33.1 49.7

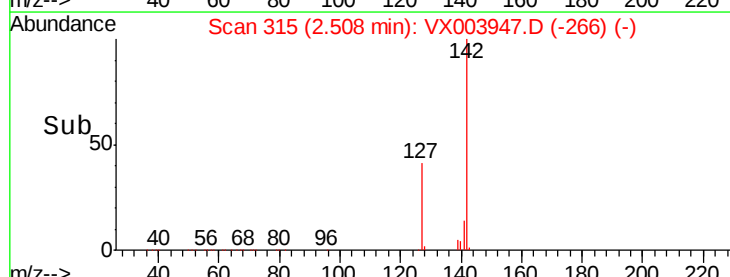
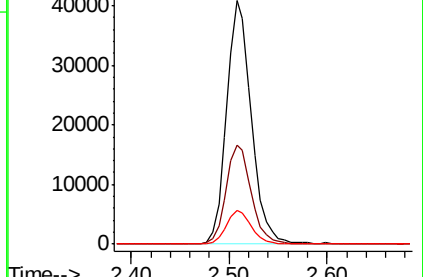
141 14.1 11.1 16.7

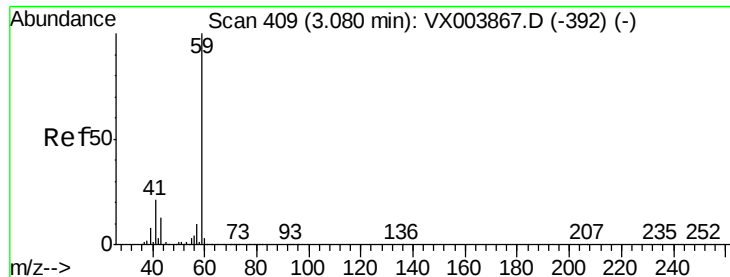


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



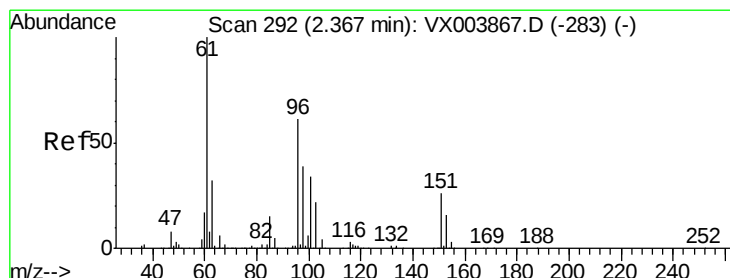
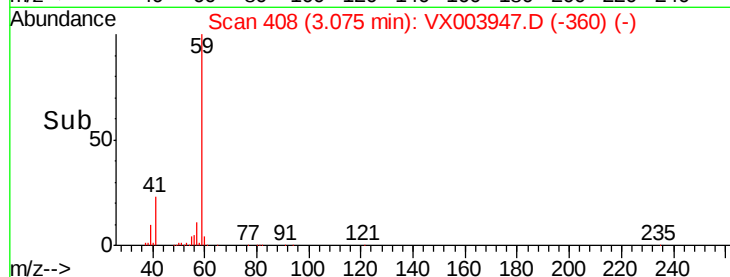
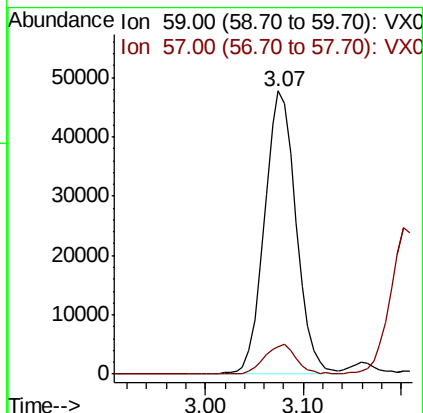
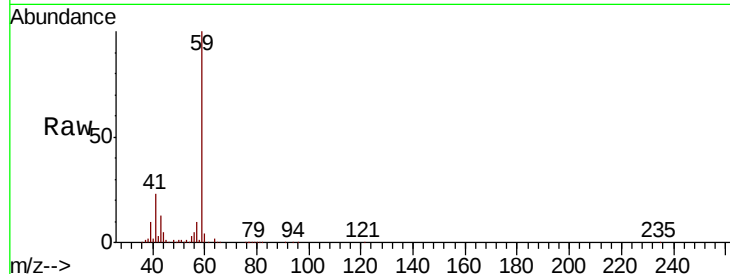


#11

Tert butyl alcohol
 Concen: 97.77 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0809WBSD01

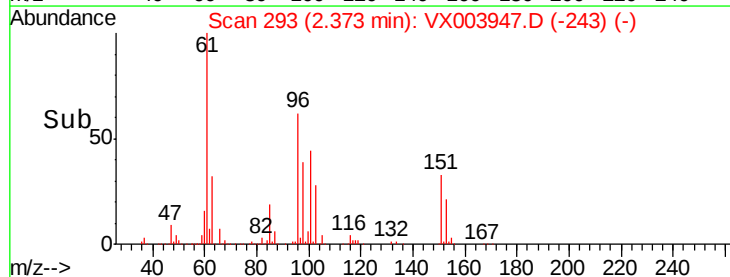
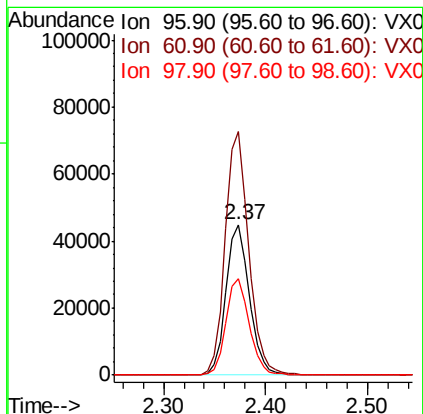
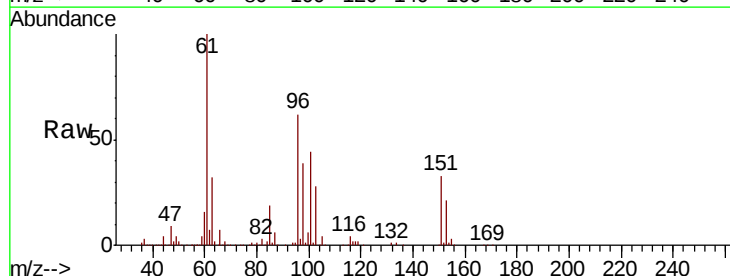
Tot Ion: 59 Resp: 107526
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.1 12.1

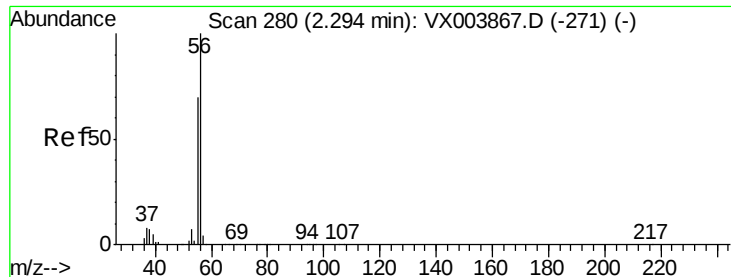


#12

1,1-Dichloroethene
 Concen: 19.30 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion: 96 Resp: 71514
 Ion Ratio Lower Upper
 96 100
 61 161.7 131.3 196.9
 98 63.8 51.8 77.6





#13

Acrolein

Concen: 85.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

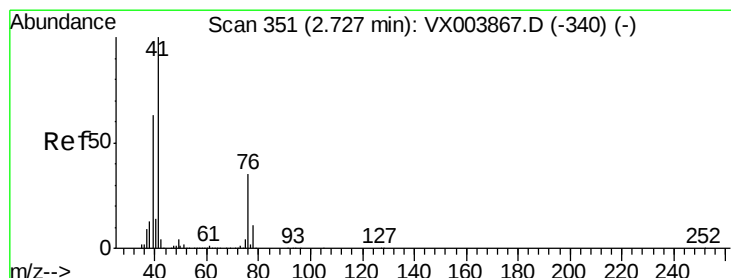
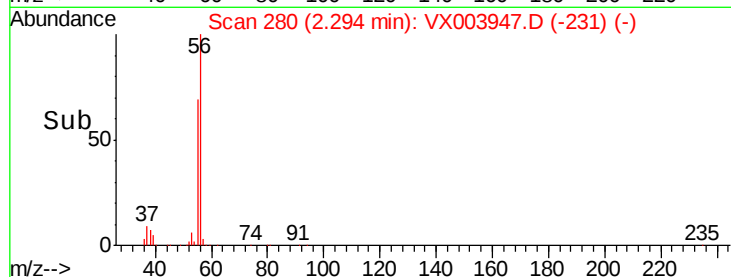
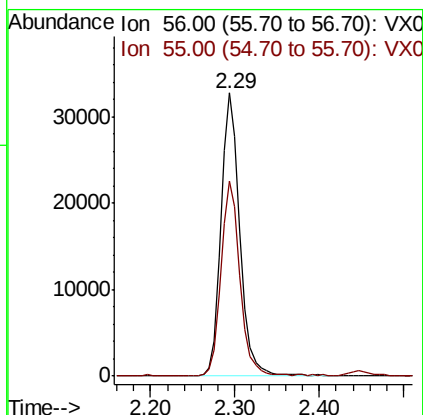
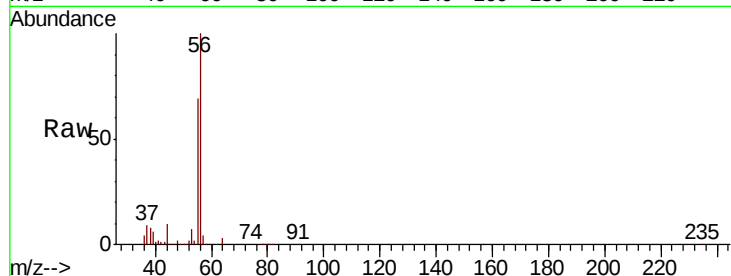
VX0809WBSD01

Tot Ion: 56 Resp: 50712

Ion Ratio Lower Upper

56 100

55 68.4 56.1 84.1



#14

Allyl chloride

Concen: 19.16 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

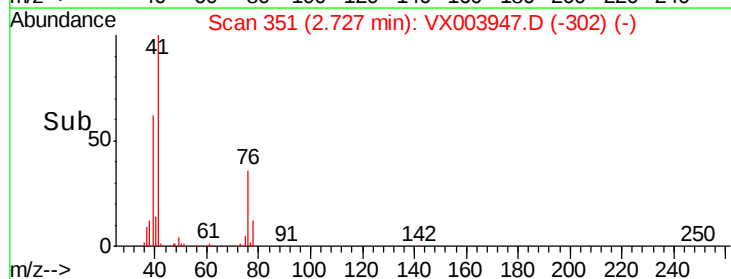
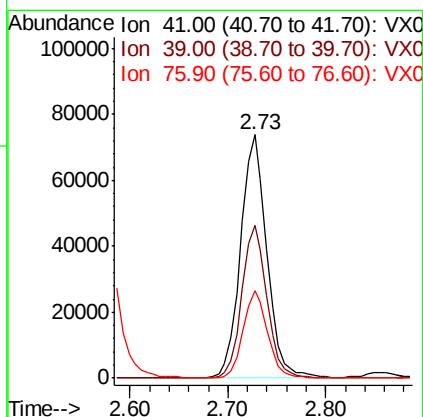
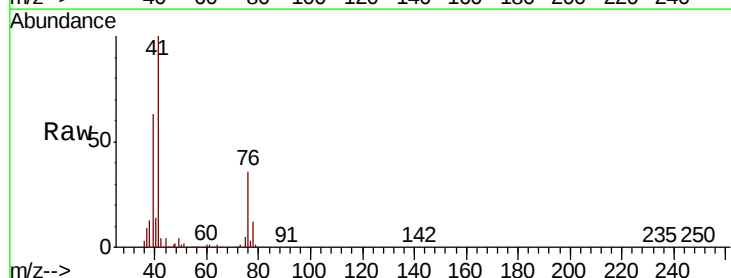
Tgt Ion: 41 Resp: 136862

Ion Ratio Lower Upper

41 100

39 60.1 47.4 71.0

76 33.5 26.0 39.0





#15

Acrylonitrile

Concen: 96.80 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

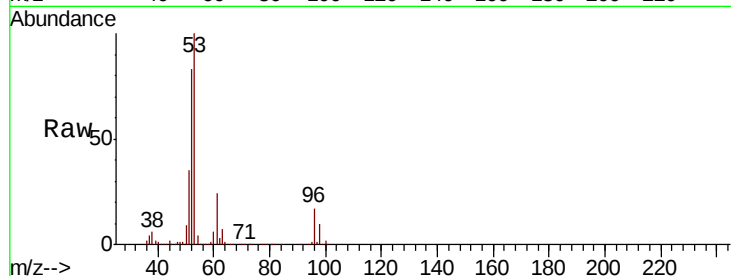
Tot Ion: 53 Resp: 254033

Ion Ratio Lower Upper

53 100

52 82.7 65.3 97.9

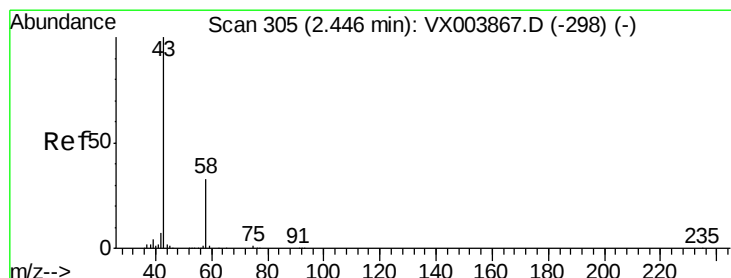
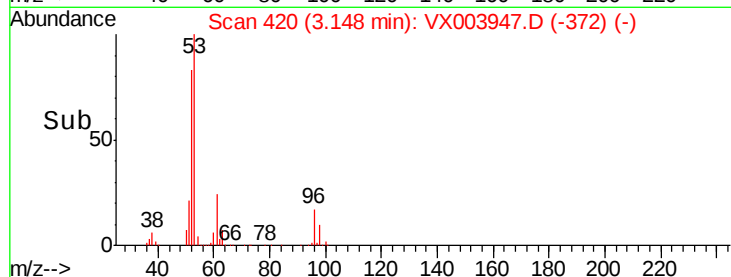
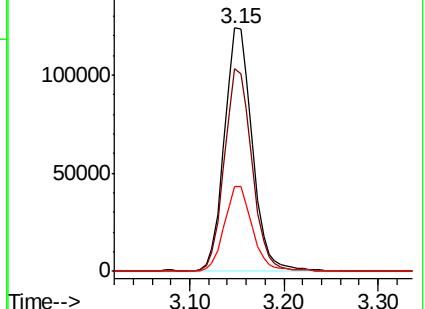
51 35.3 27.9 41.9



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: 95.29 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003947.D

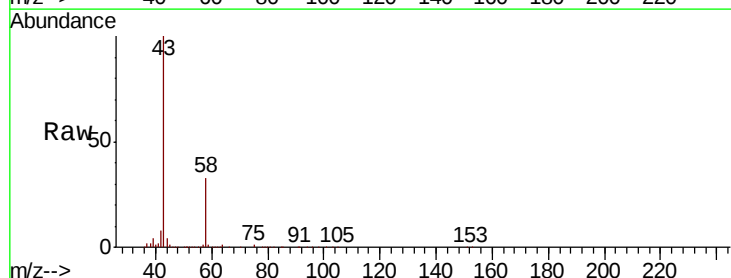
Acq: 09 Aug 2018 13:43

Tgt Ion: 43 Resp: 259454

Ion Ratio Lower Upper

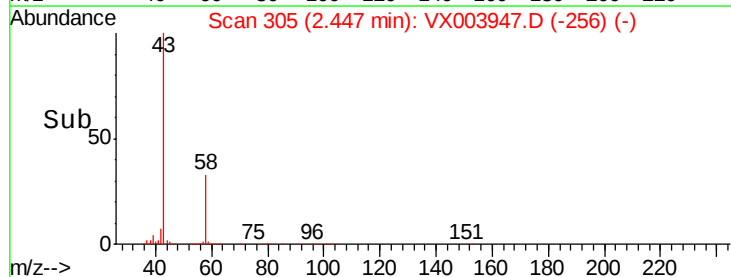
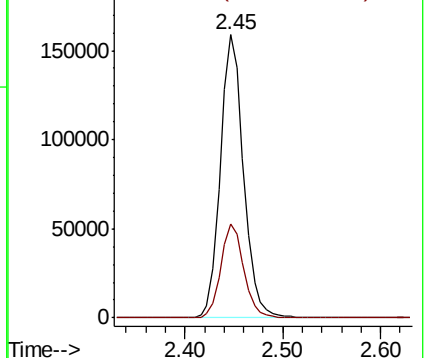
43 100

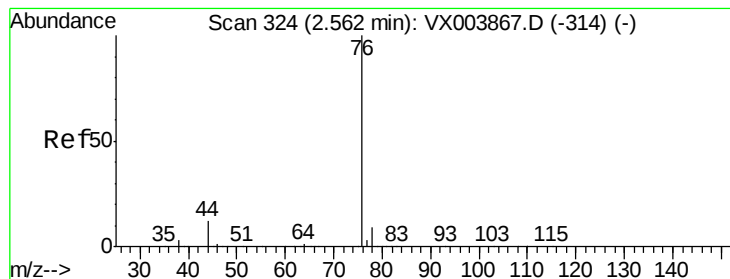
58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.42 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

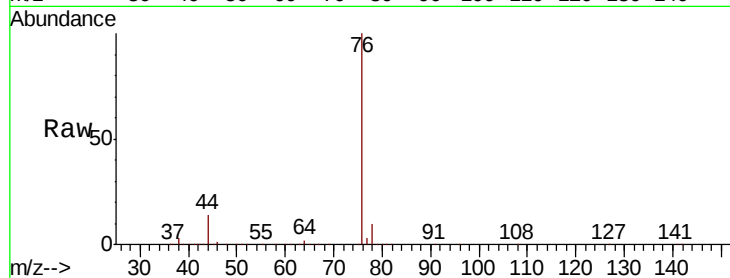
VX0809WBSD01

Tot Ion: 76 Resp: 190556

Ion Ratio Lower Upper

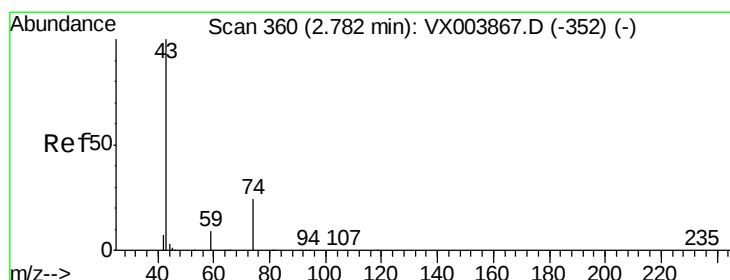
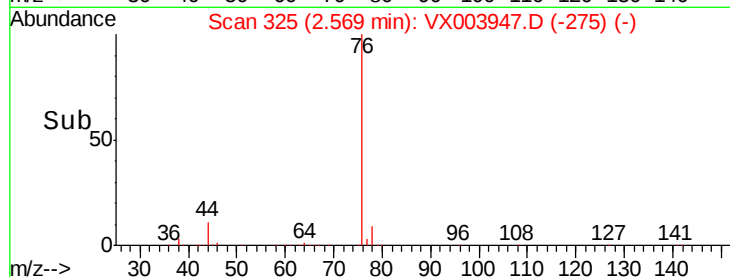
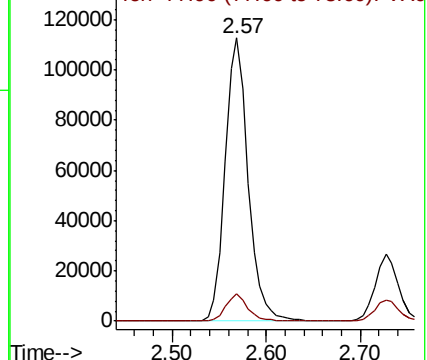
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.25 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003947.D

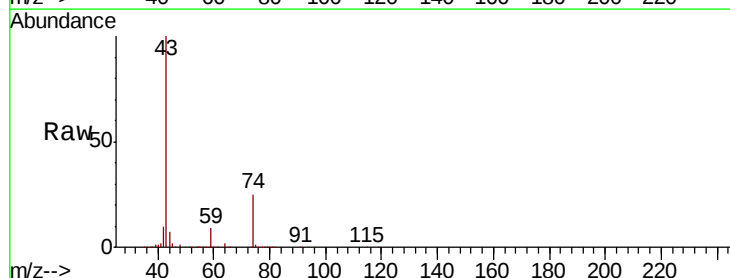
Acq: 09 Aug 2018 13:43

Tgt Ion: 43 Resp: 120070

Ion Ratio Lower Upper

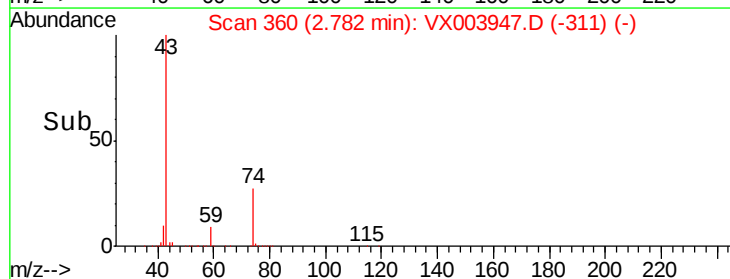
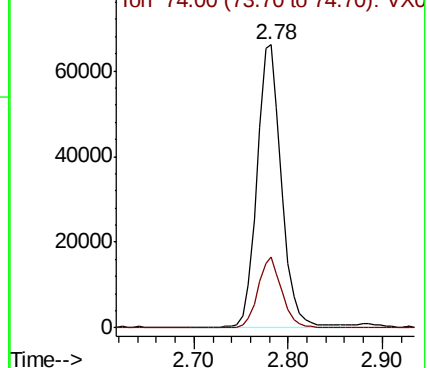
43 100

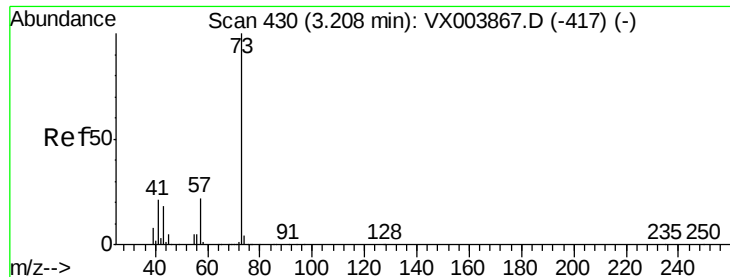
74 24.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



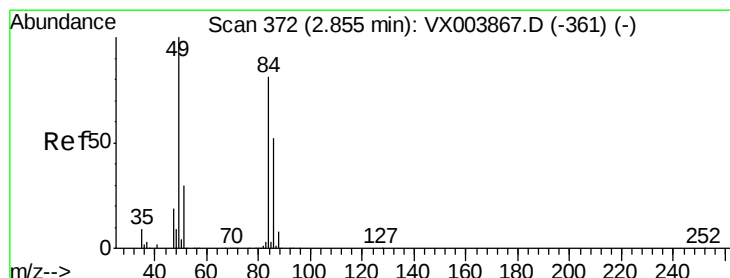
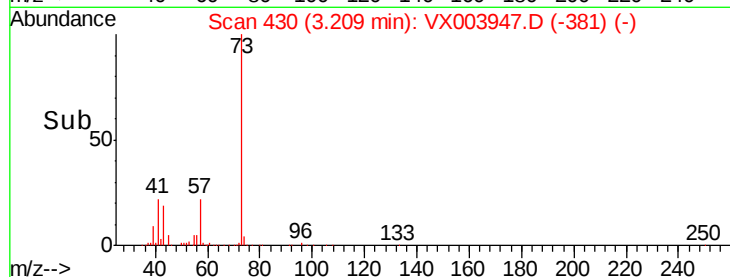
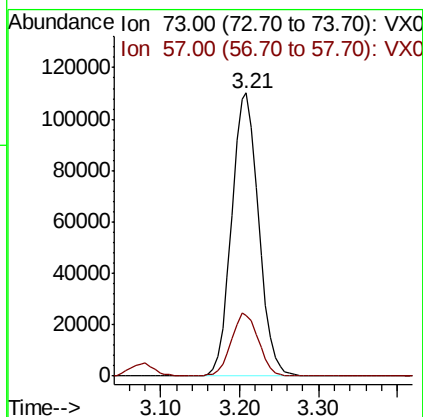
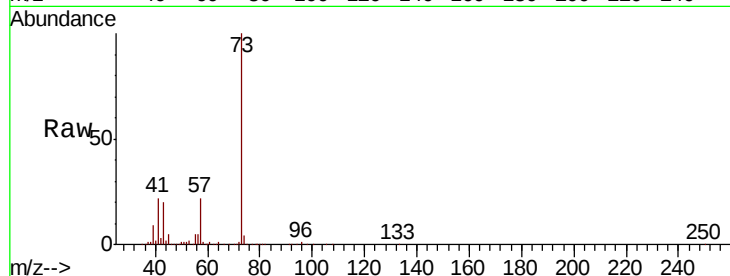


#19

Methyl tert-butyl Ether
 Concen: 20.02 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

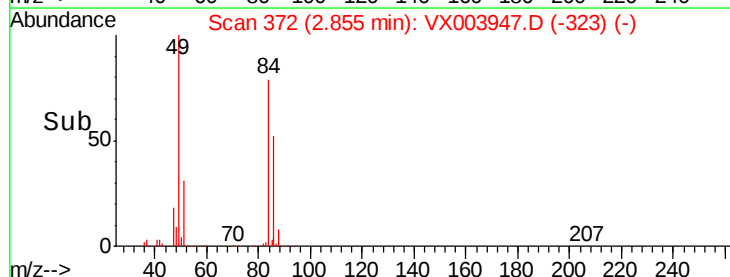
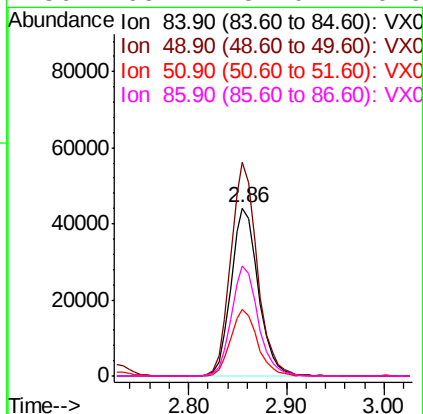
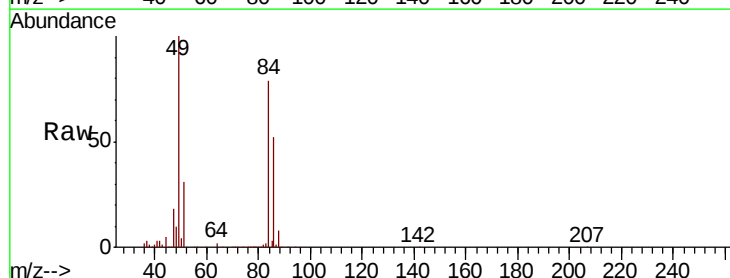
Tot Ion: 73 Resp: 262830
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.0 27.0

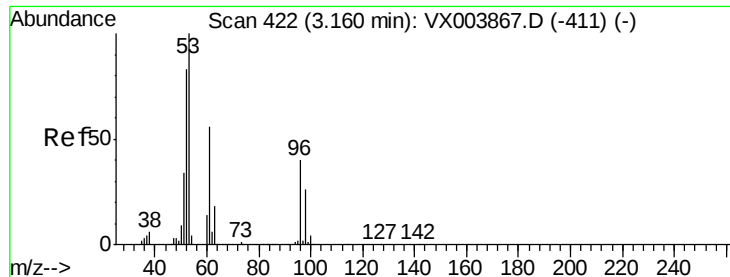


#20

Methylene Chloride
 Concen: 18.74 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion: 84 Resp: 85309
 Ion Ratio Lower Upper
 84 100
 49 127.2 98.9 148.3
 51 39.5 29.9 44.9
 86 65.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

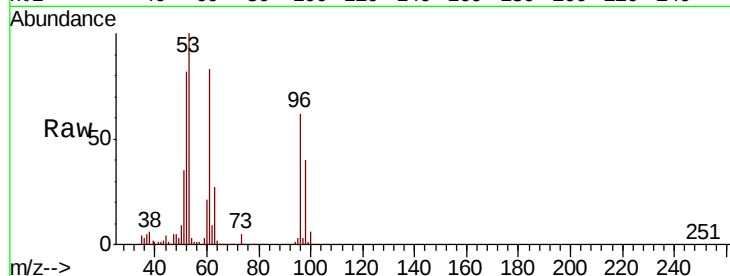
Tot Ion: 96 Resp: 80281

Ion Ratio Lower Upper

96 100

61 133.8 111.8 167.6

98 64.5 51.8 77.6

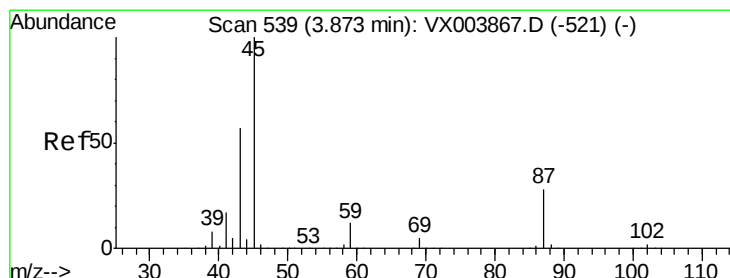
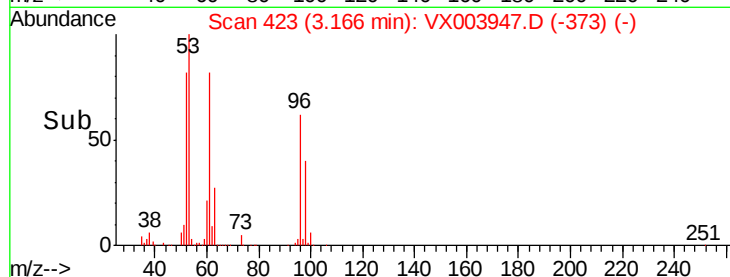
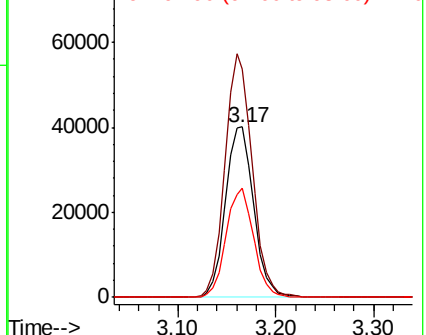


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.37 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Tgt Ion: 45 Resp: 254387

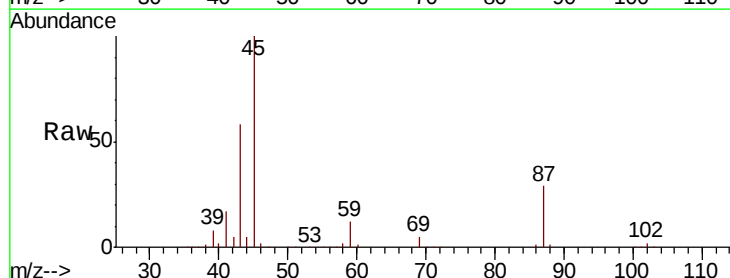
Ion Ratio Lower Upper

45 100

43 57.6 45.3 67.9

87 28.9 22.7 34.1

59 11.7 9.6 14.4



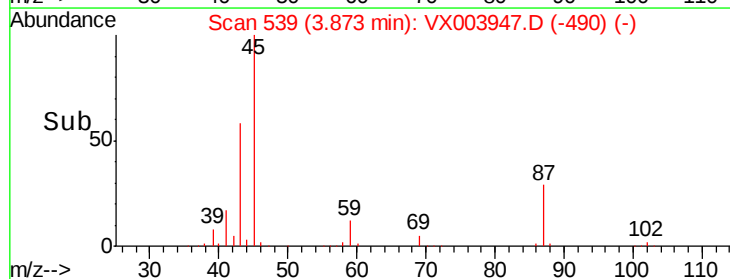
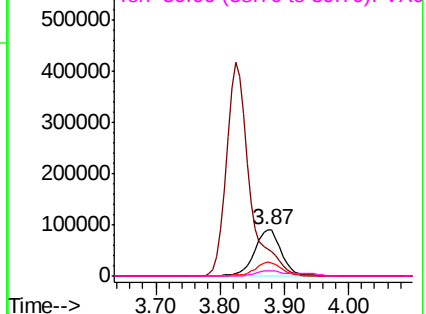
Abundance

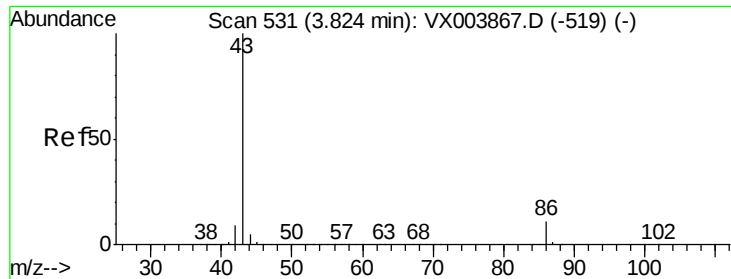
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.05 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

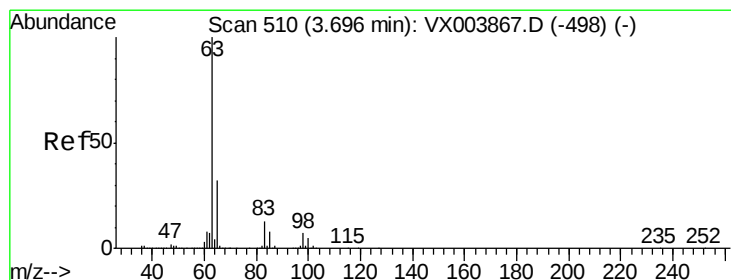
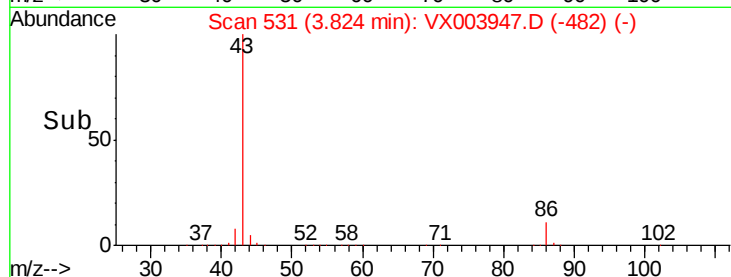
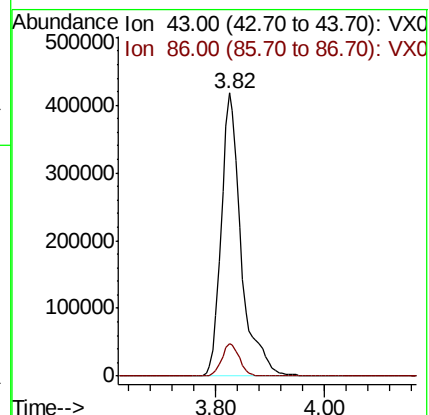
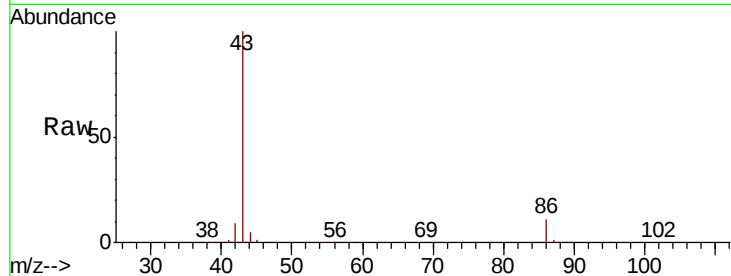
VX0809WBSD01

Tot Ion: 43 Resp: 1060398

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.50 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

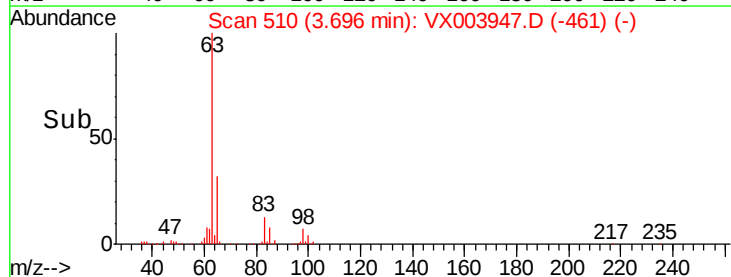
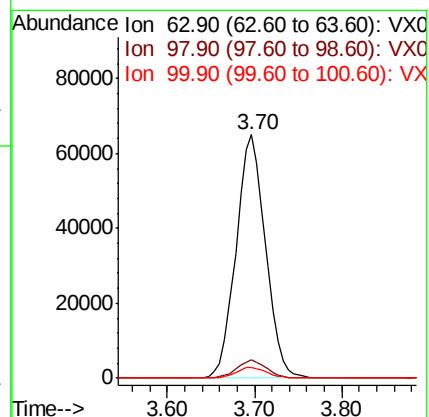
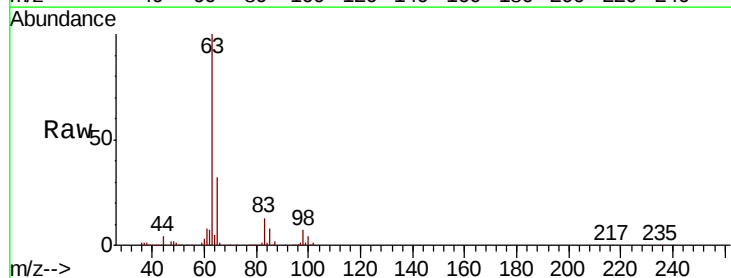
Tgt Ion: 63 Resp: 152101

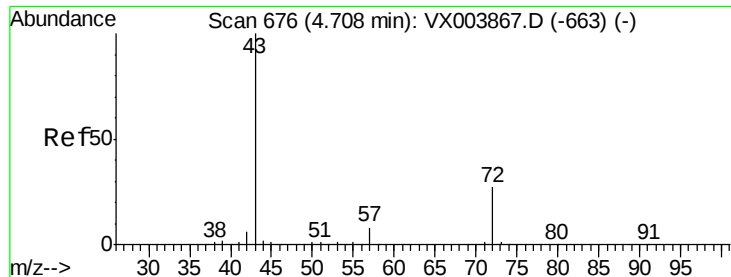
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 98.24 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

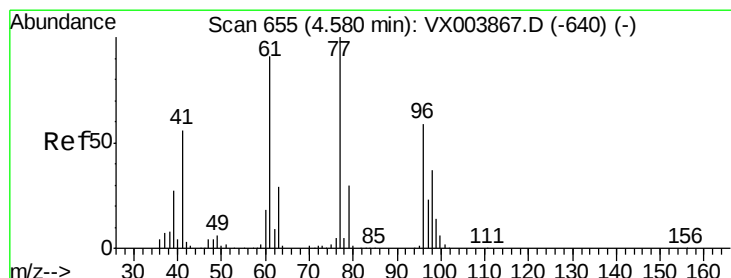
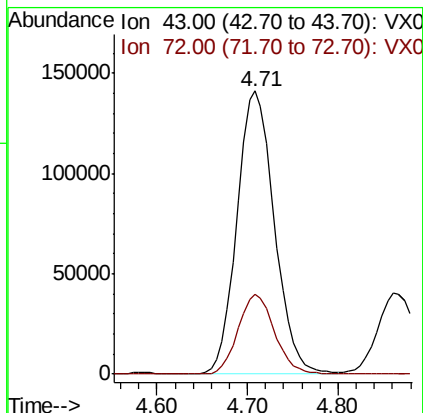
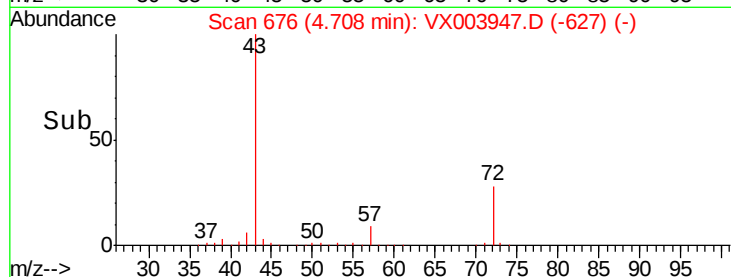
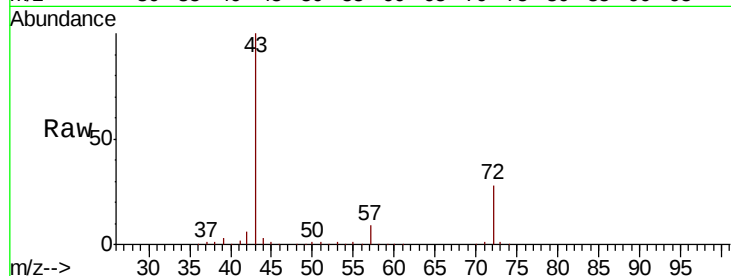
VX0809WBSD01

Tot Ion: 43 Resp: 402176

Ion Ratio Lower Upper

43 100

72 28.0 21.4 32.0



#26

2,2-Dichloropropane

Concen: 18.98 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003947.D

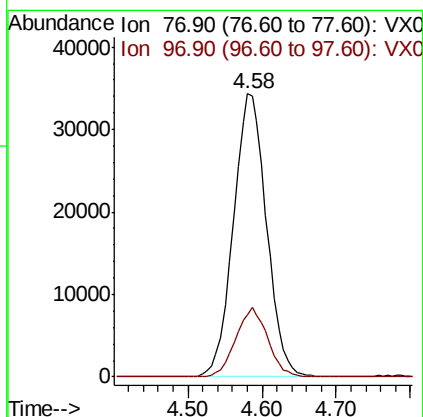
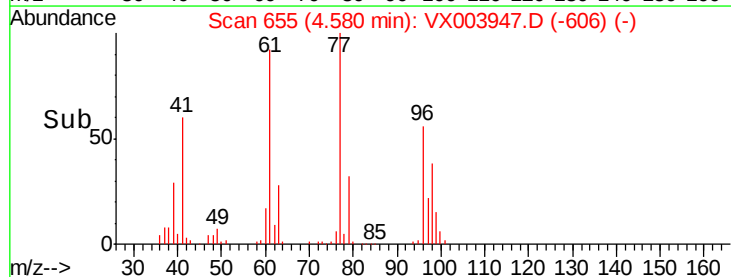
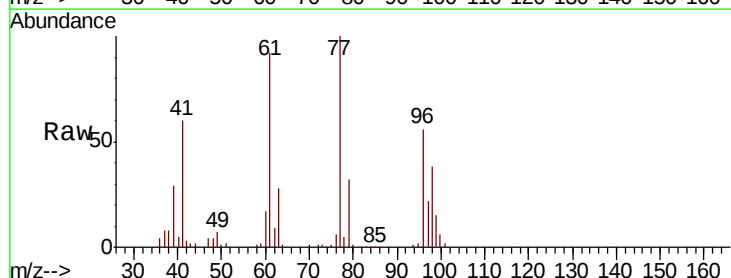
Acq: 09 Aug 2018 13:43

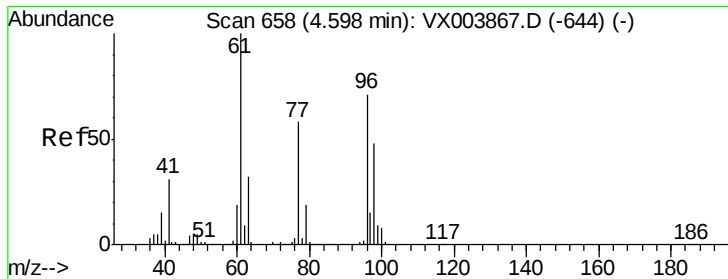
Tgt Ion: 77 Resp: 106764

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9



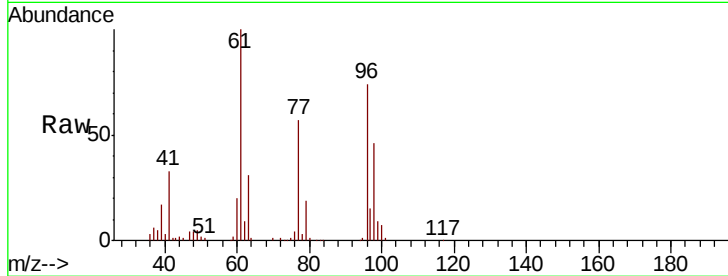


#27

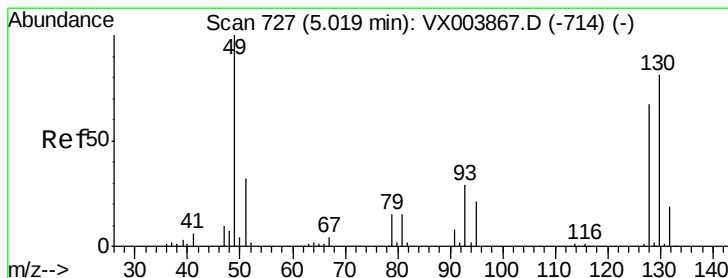
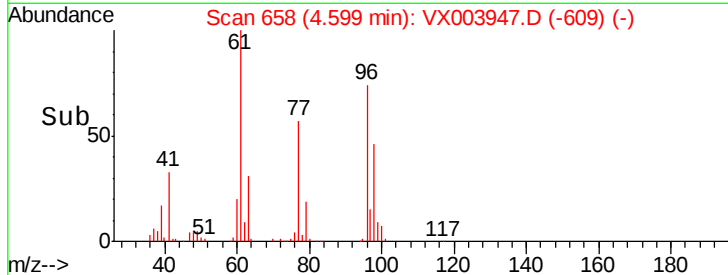
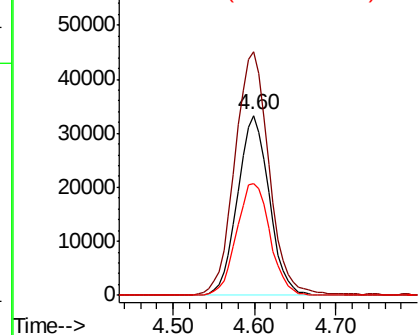
cis-1,2-Dichloroethene
Concen: 19.51 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

Tot Ion: 96 Resp: 89083
Ion Ratio Lower Upper
96 100
61 147.5 0.0 293.0
98 65.9 0.0 131.8



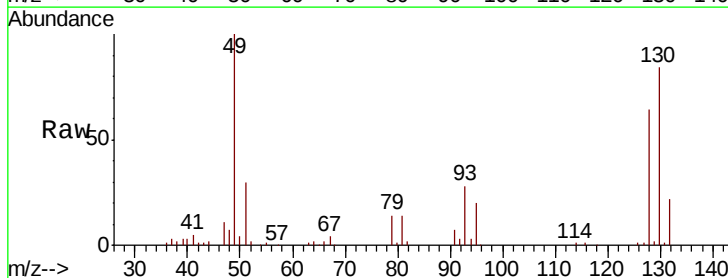
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



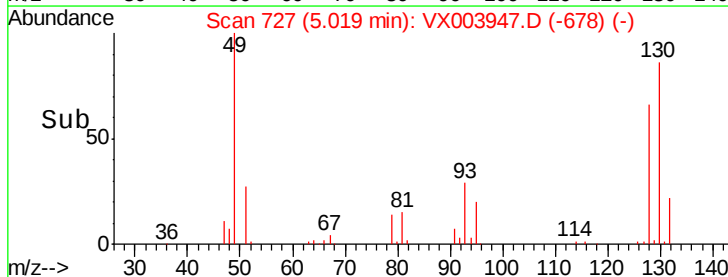
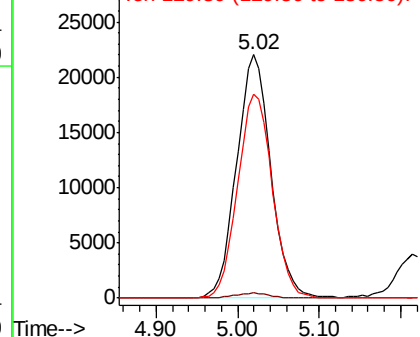
#28

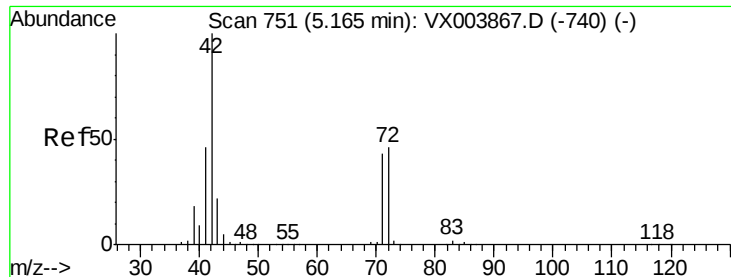
Bromochloromethane
Concen: 19.12 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion: 49 Resp: 63821
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 84.9 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

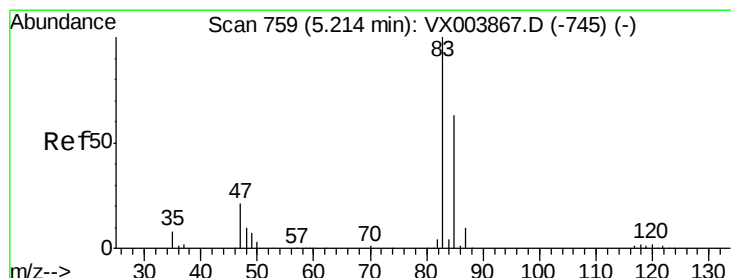
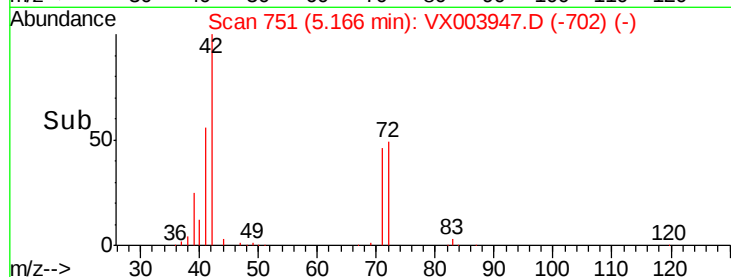
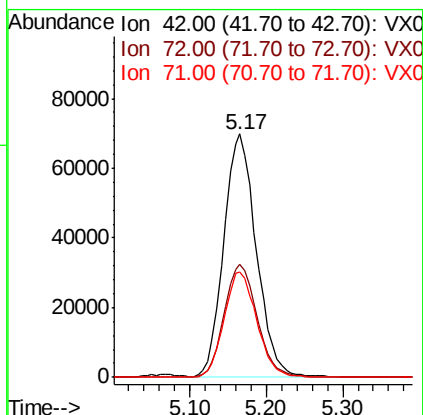
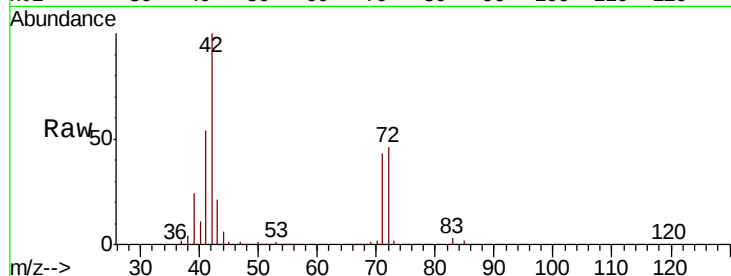




#29
Tetrahydrofuran
Concen: 97.12 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

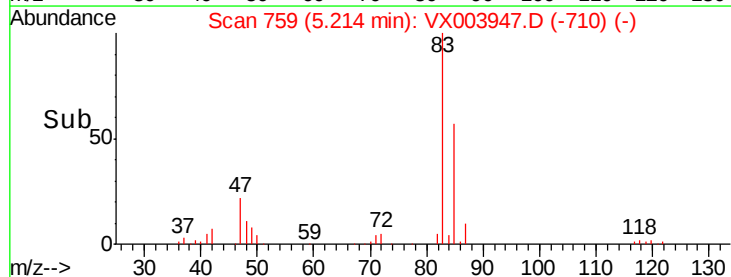
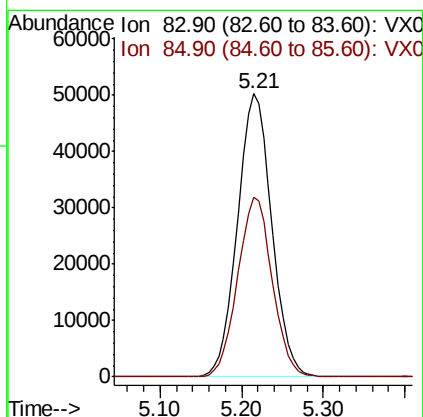
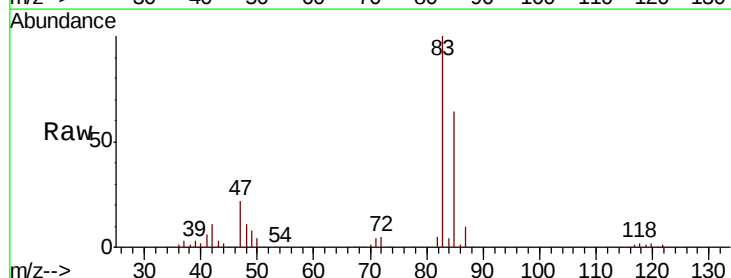
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

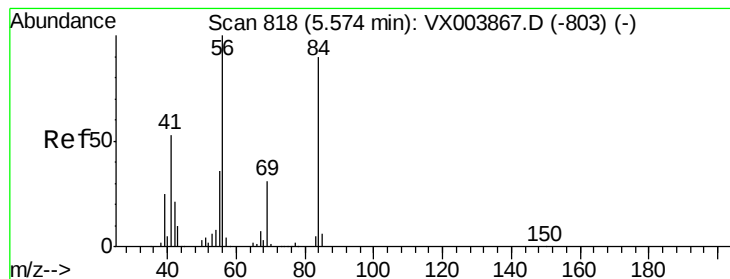
Tot Ion: 42 Resp: 204359
Ion Ratio Lower Upper
42 100
72 47.3 37.7 56.5
71 43.9 35.0 52.6



#30
Chloroform
Concen: 19.99 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion: 83 Resp: 146785
Ion Ratio Lower Upper
83 100
85 63.7 50.7 76.1





#31

Cyclohexane

Concen: 19.11 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

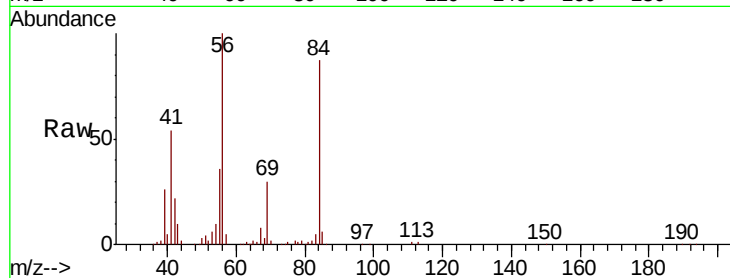
Tot Ion: 56 Resp: 126091

Ion Ratio Lower Upper

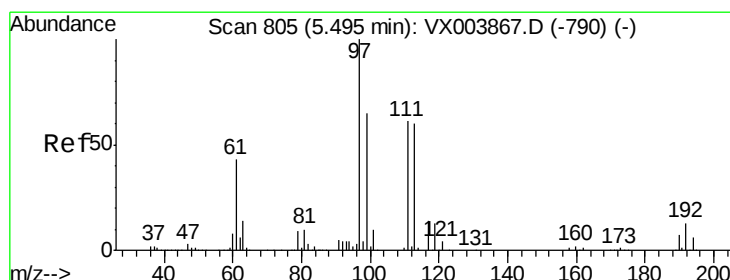
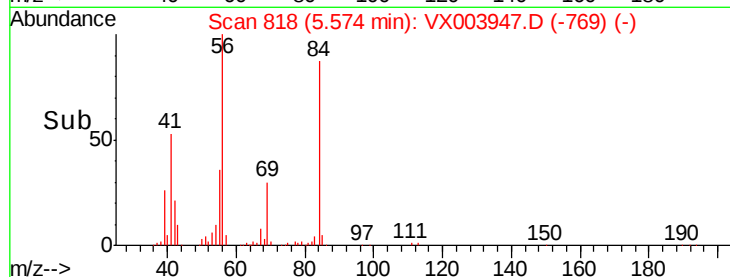
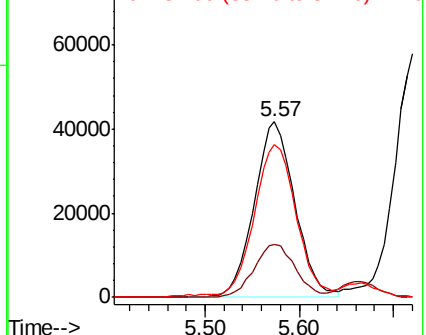
56 100

69 29.9 24.9 37.3

84 85.6 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: 20.01 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

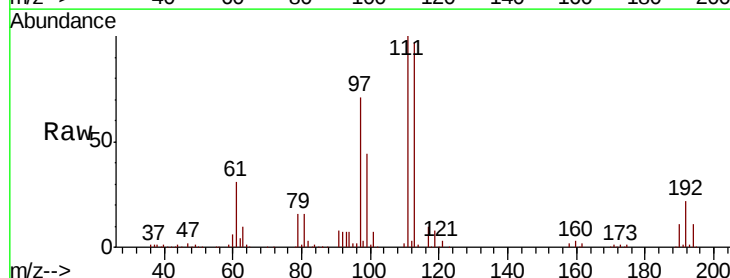
Tgt Ion: 97 Resp: 123203

Ion Ratio Lower Upper

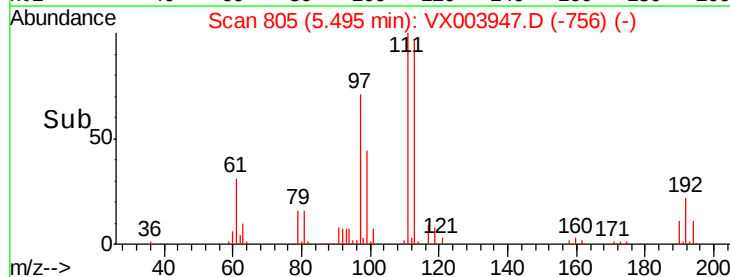
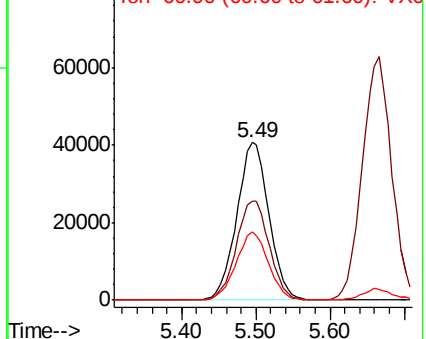
97 100

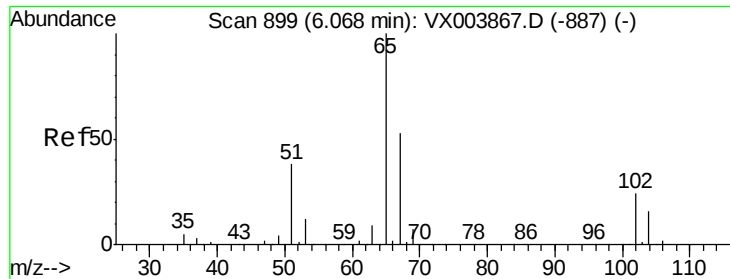
99 64.5 51.8 77.8

61 43.5 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: 47.85 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

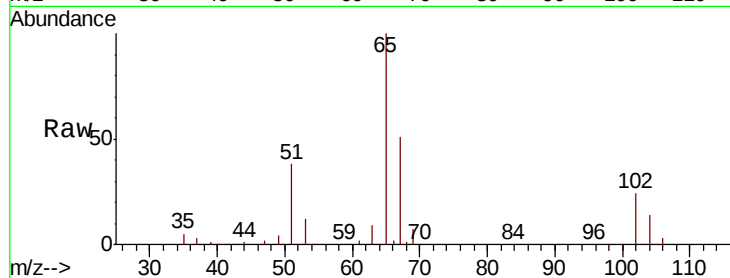
VX0809WBSD01

Tot Ion: 65 Resp: 218987

Ion Ratio Lower Upper

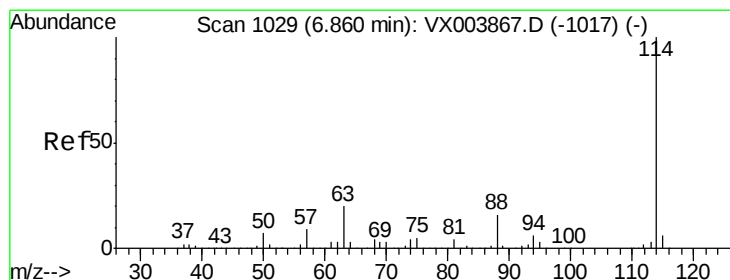
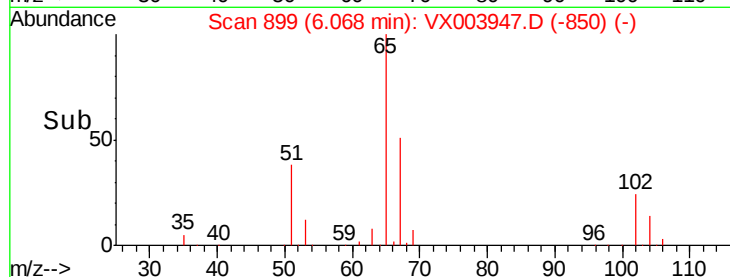
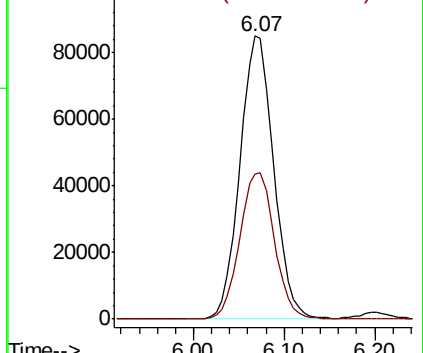
65 100

67 53.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

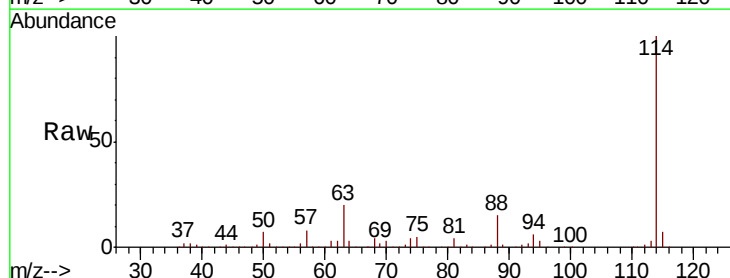
Tgt Ion: 114 Resp: 505265

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

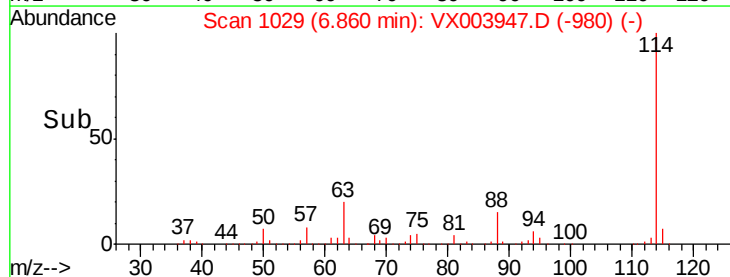
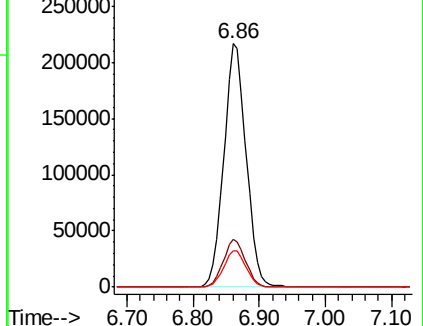
88 15.2 0.0 32.0

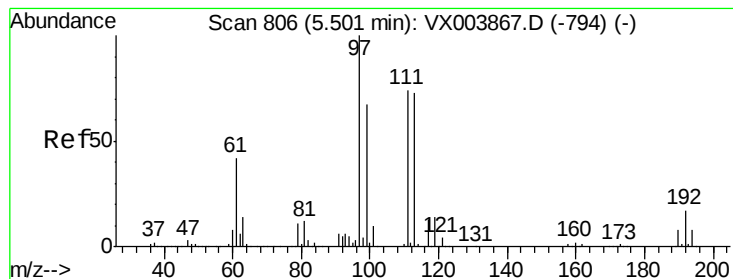


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.28 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

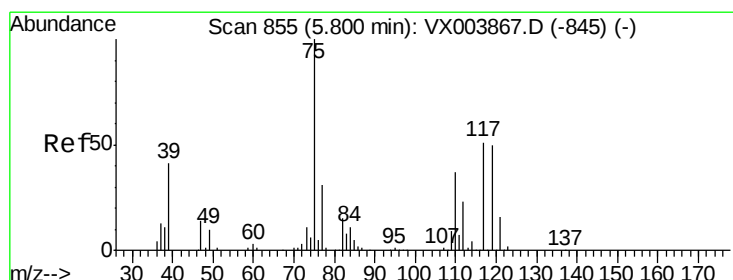
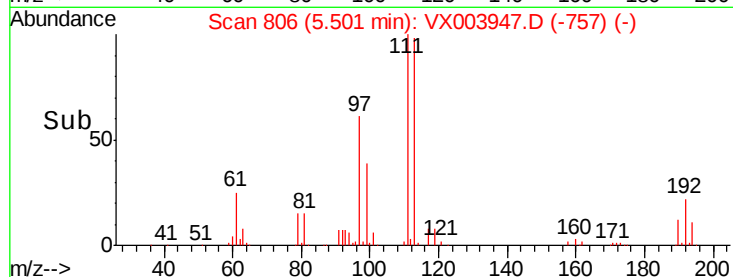
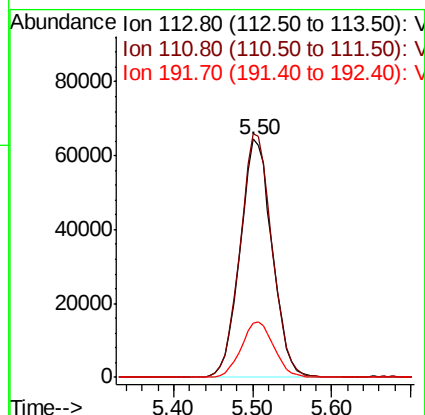
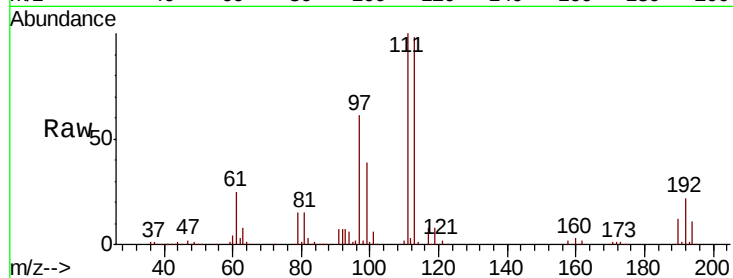
Tot Ion:113 Resp: 180973

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 23.9 19.0 28.4



#36

1,1-Dichloropropene

Concen: 19.10 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

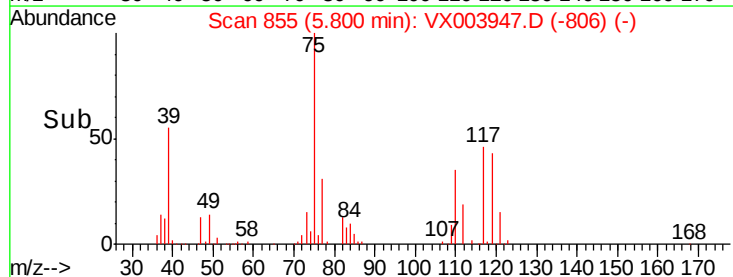
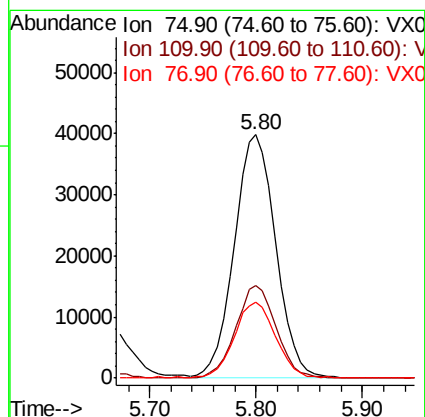
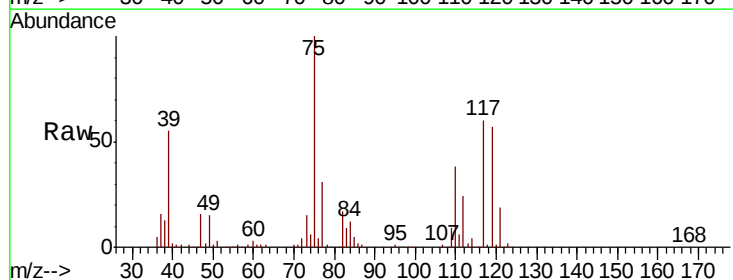
Tgt Ion: 75 Resp: 108096

Ion Ratio Lower Upper

75 100

110 37.4 18.2 54.6

77 31.4 25.0 37.4

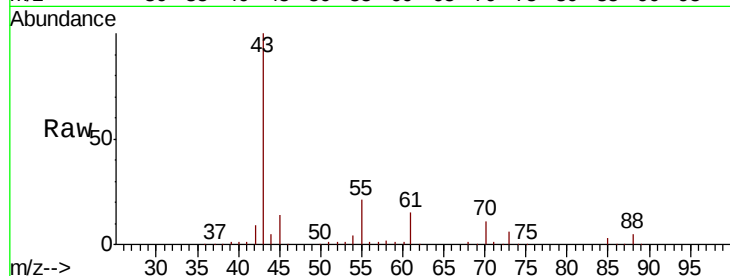




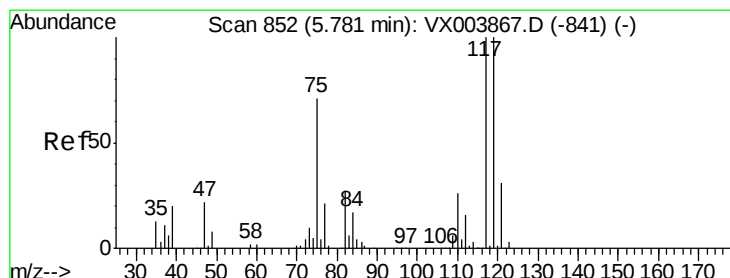
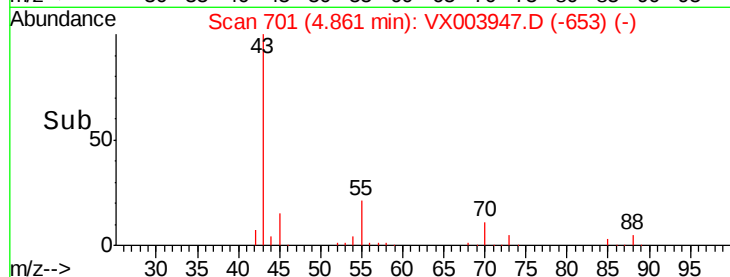
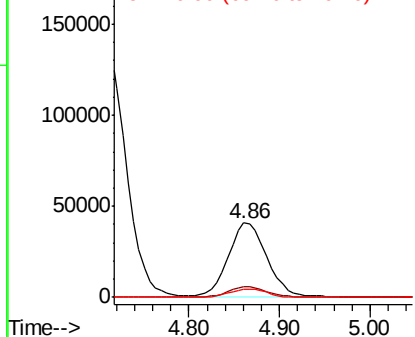
#37
Ethyl Acetate
Concen: 19.27 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Instrument :
MSVOA_X
ClientSampled :
VX0809WBSD01

Tot Ion: 43 Resp: 119969
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 11.5 9.0 13.4

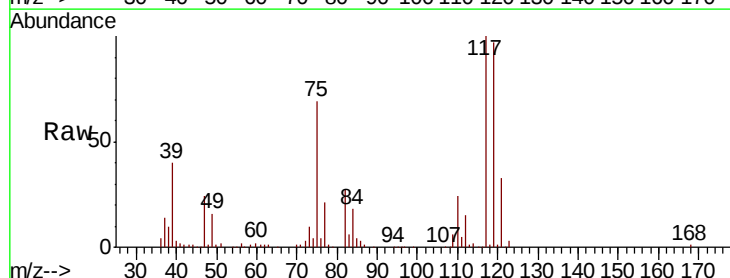


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

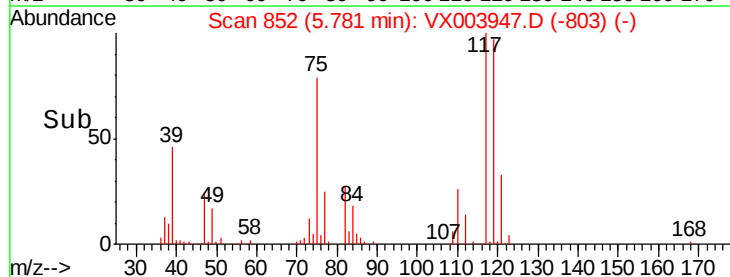
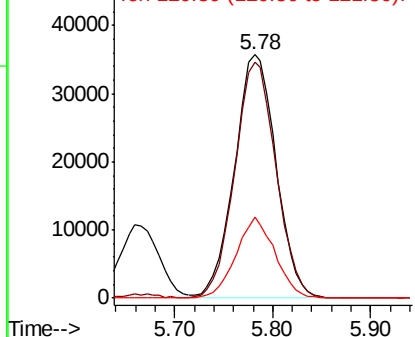


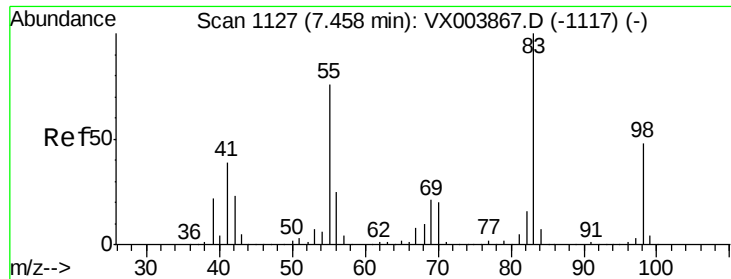
#38
Carbon Tetrachloride
Concen: 19.45 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion: 117 Resp: 104753
Ion Ratio Lower Upper
117 100
119 97.0 79.5 119.3
121 33.5 25.0 37.4



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

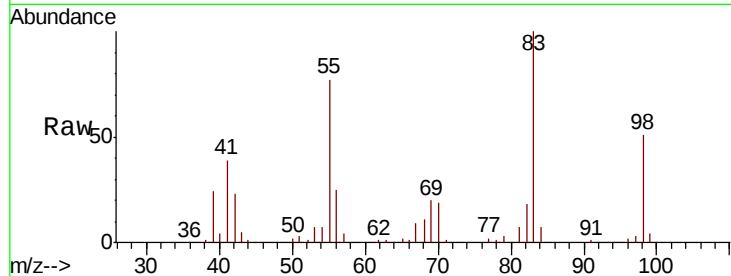




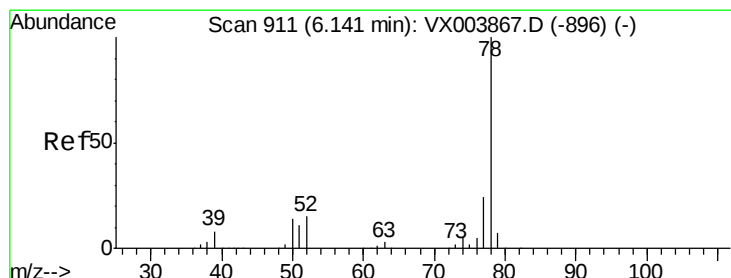
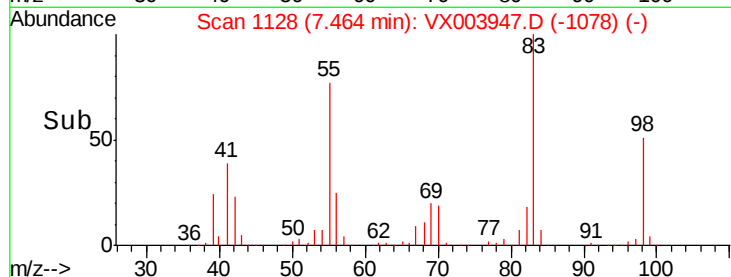
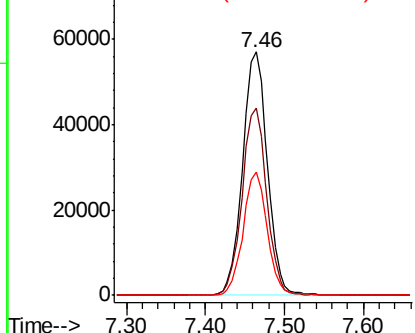
#39
Methvlcvclohexane
Concen: 18.76 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	50.8	38.6	57.8

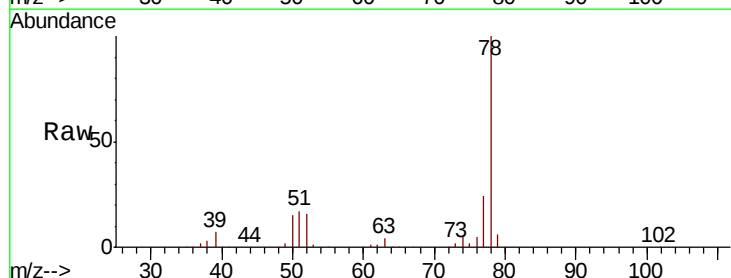


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

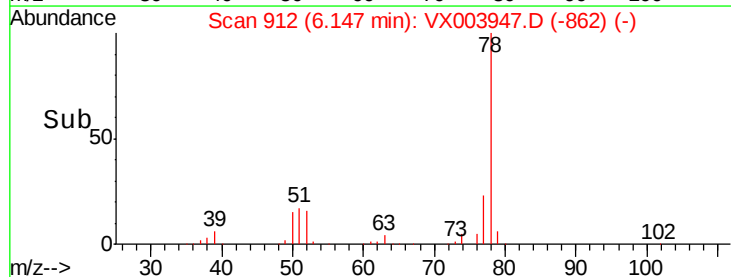
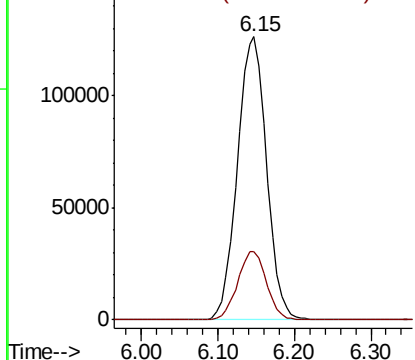


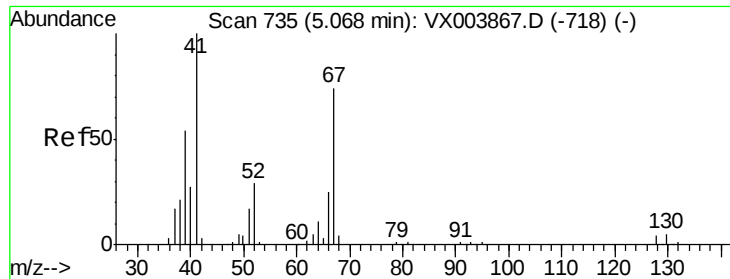
#40
Benzene
Concen: 19.65 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4



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

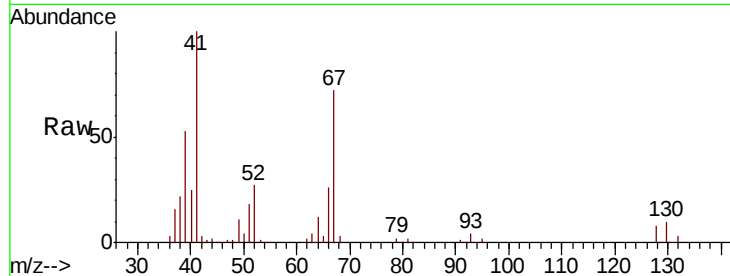




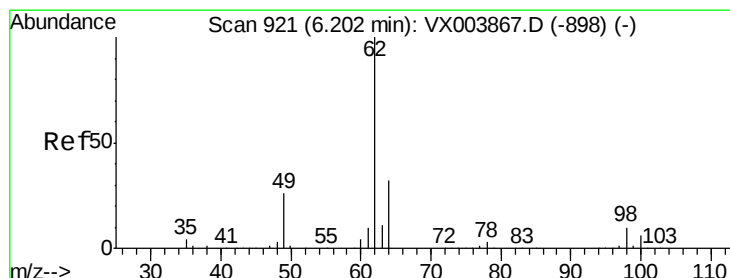
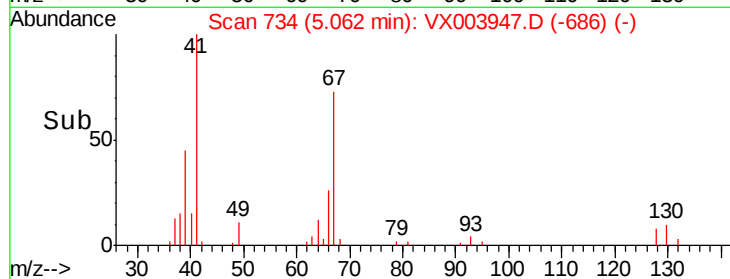
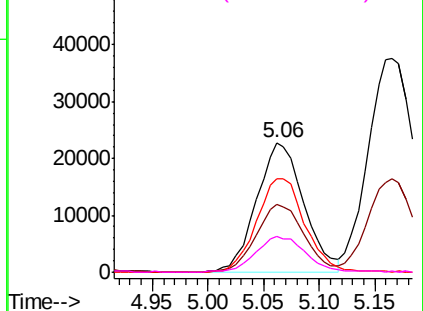
#41
Methacrylonitrile
Concen: 19.49 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

Tot Ion:	41	Resp:	66815
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.7	64.1
67	74.8	58.9	88.3
52	28.1	22.6	33.8

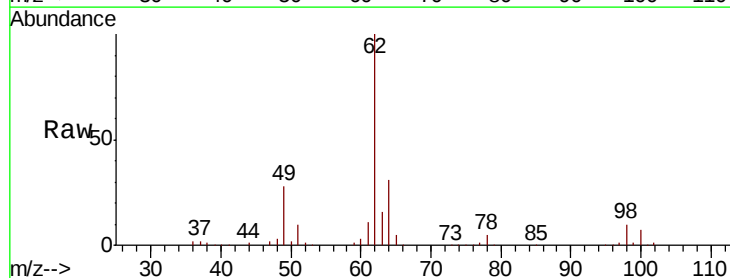


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

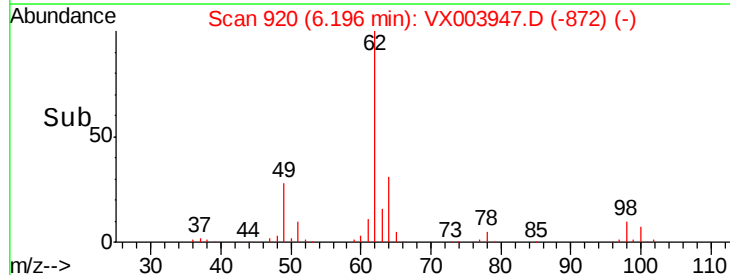
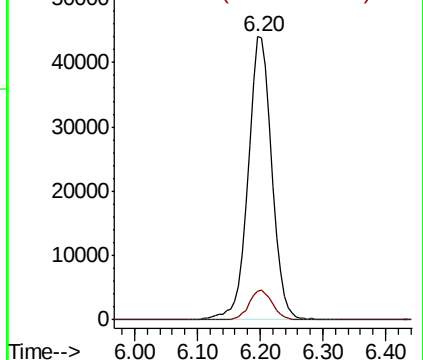


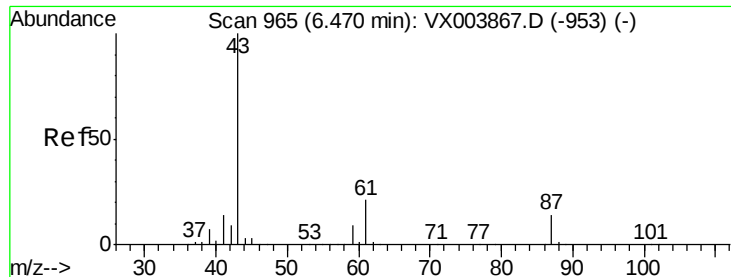
#42
1,2-Dichloroethane
Concen: 20.10 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion:	62	Resp:	115473
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4



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



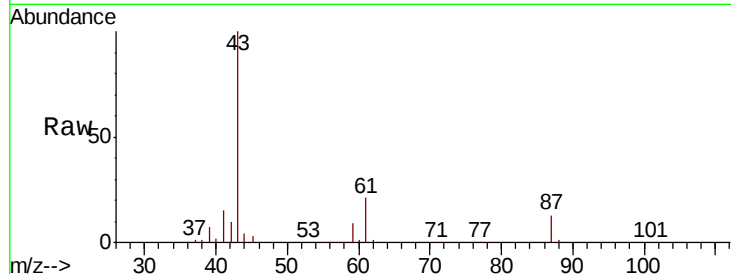


#43

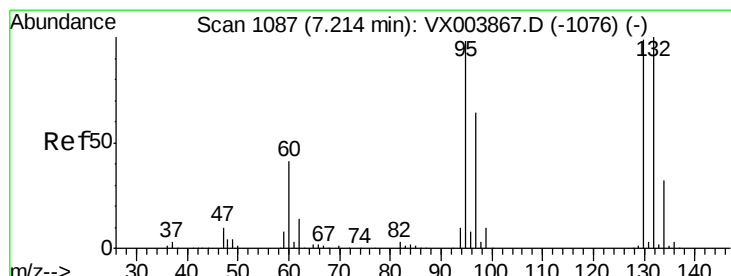
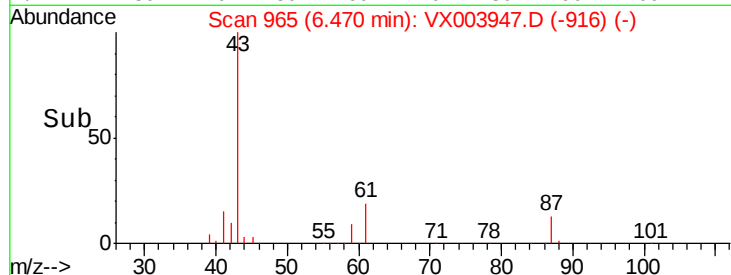
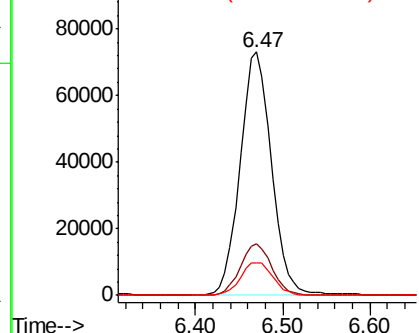
Isopropyl Acetate
 Concen: 19.41 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

Tot Ion	43	Resp	181807
Ion Ratio	100		
Lower	16.9		
Upper	25.3		
61	21.4		
87	14.2		
	11.3		



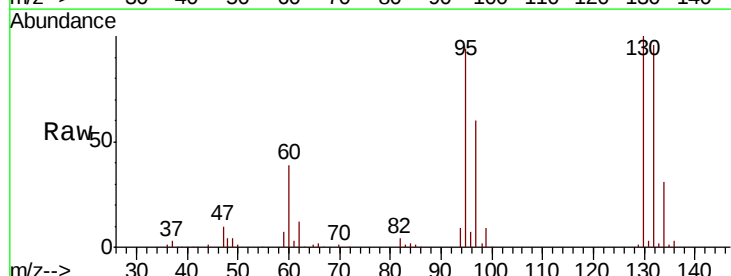
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



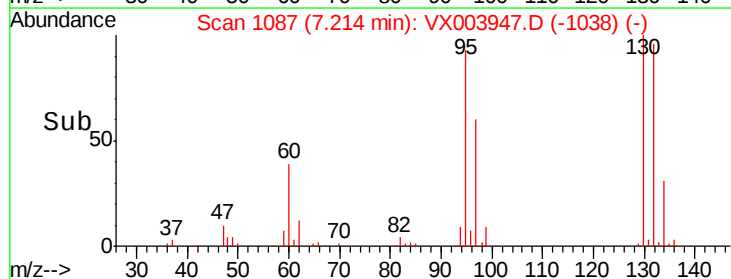
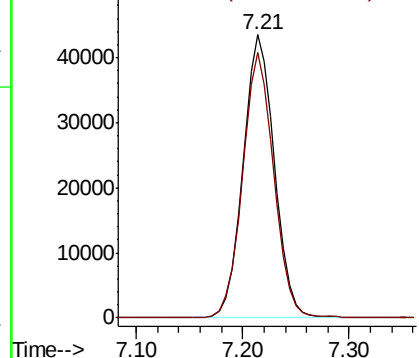
#44

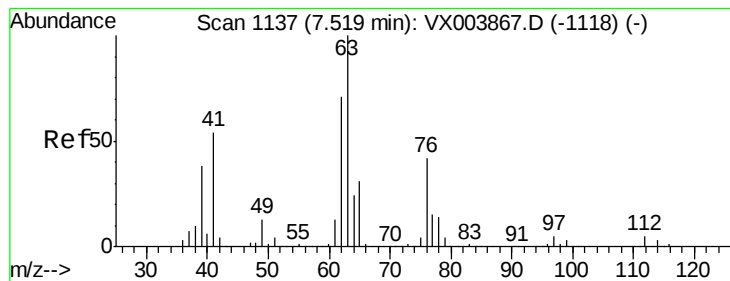
Trichloroethene
 Concen: 19.32 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion	130	Resp	89770
Ion Ratio	100		
Lower	0.0		
Upper	199.4		
95	93.6		



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





#45

1,2-Dichloropropane

Concen: 19.37 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

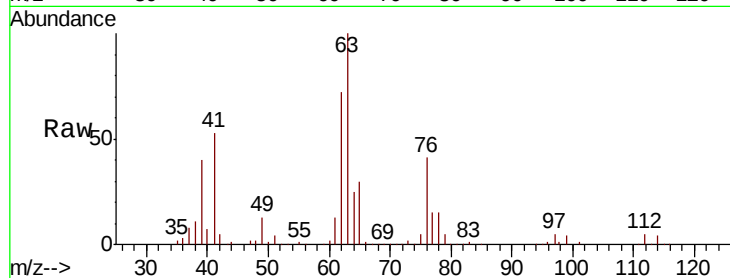
VX0809WBSD01

Tot Ion: 63 Resp: 84984

Ion Ratio Lower Upper

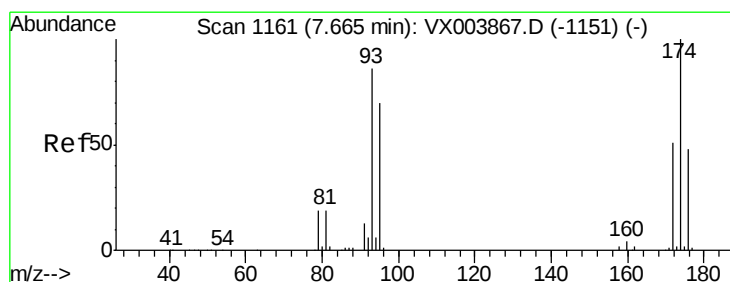
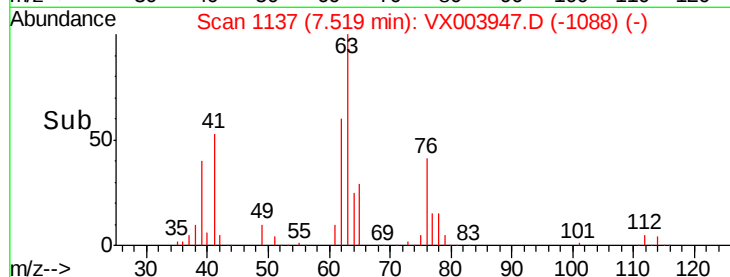
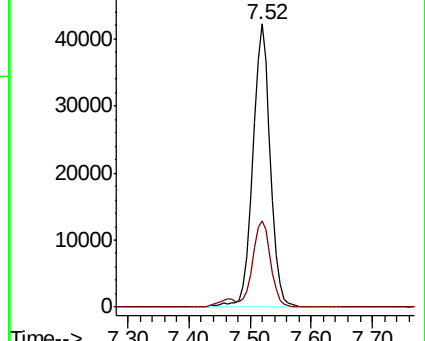
63 100

65 30.3 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: 19.58 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

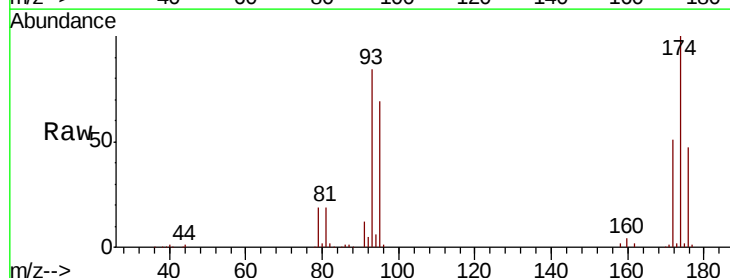
Tgt Ion: 93 Resp: 55783

Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

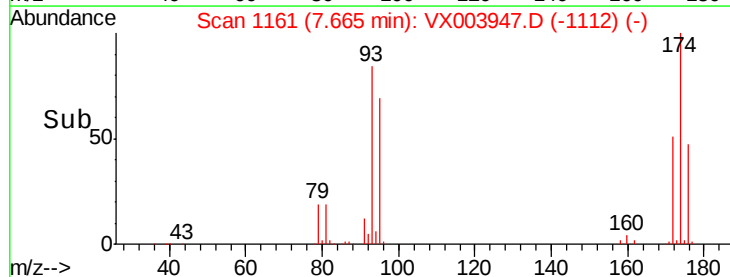
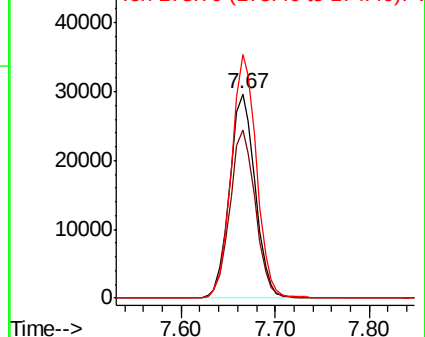
174 117.6 94.3 141.5

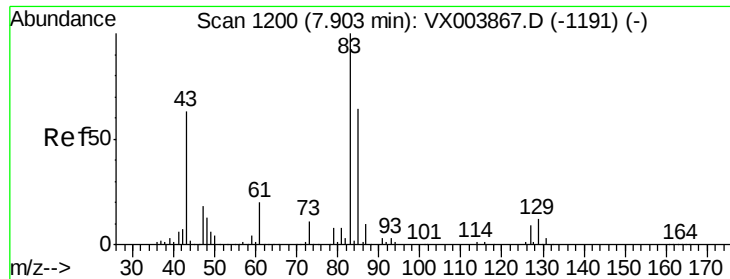


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.53 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

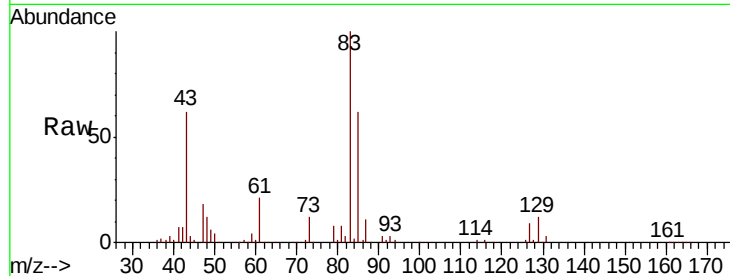
Tot Ion: 83 Resp: 104834

Ion Ratio Lower Upper

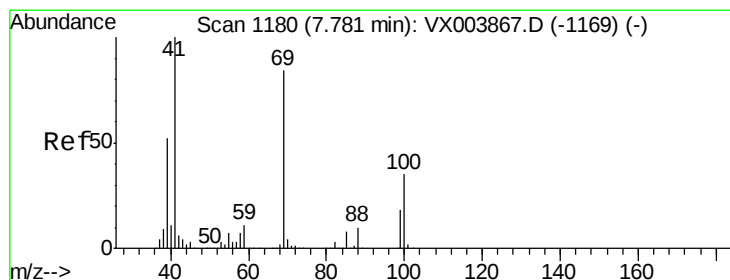
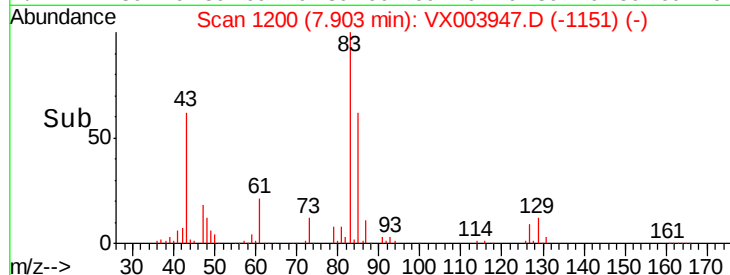
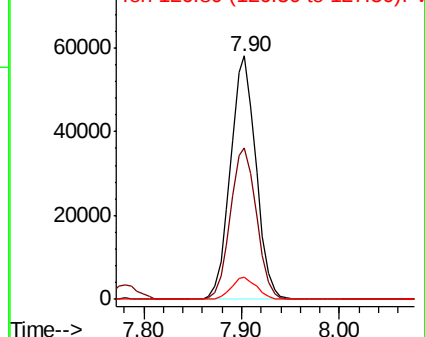
83 100

85 62.1 51.2 76.8

127 9.0 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: 19.45 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

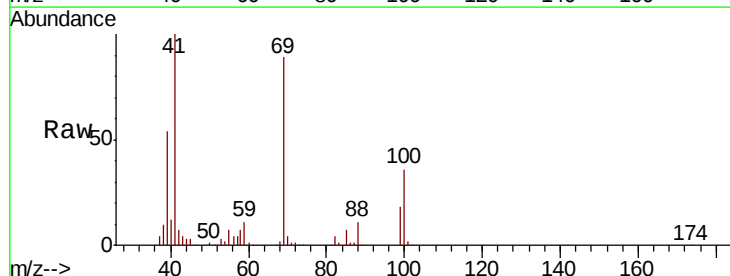
Tgt Ion: 41 Resp: 92634

Ion Ratio Lower Upper

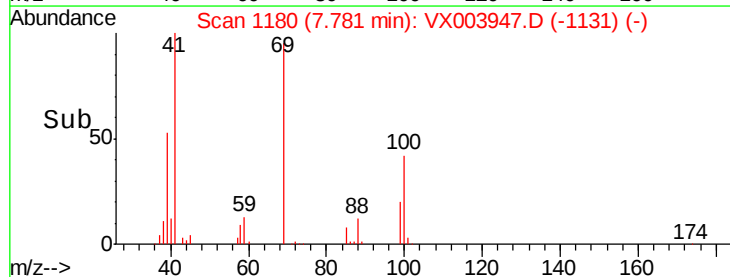
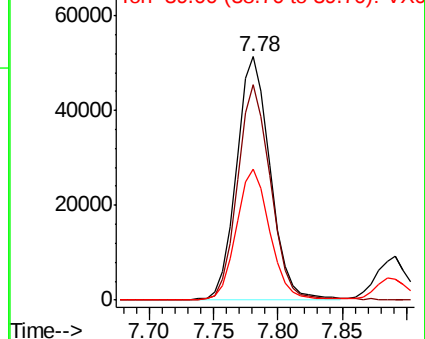
41 100

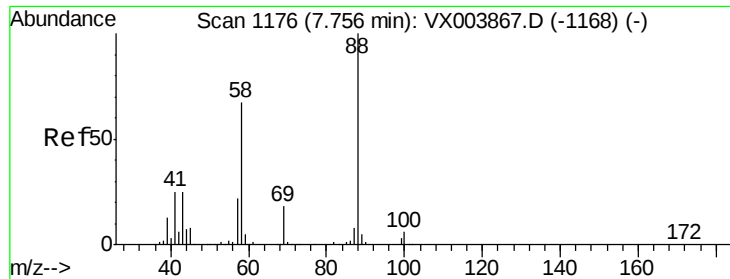
69 87.8 68.8 103.2

39 53.0 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: 395.37 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

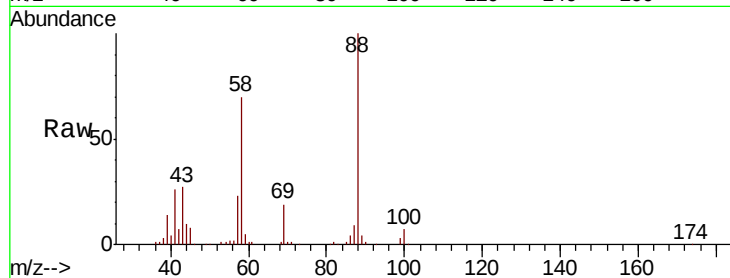
Tot Ion: 88 Resp: 44351

Ion Ratio Lower Upper

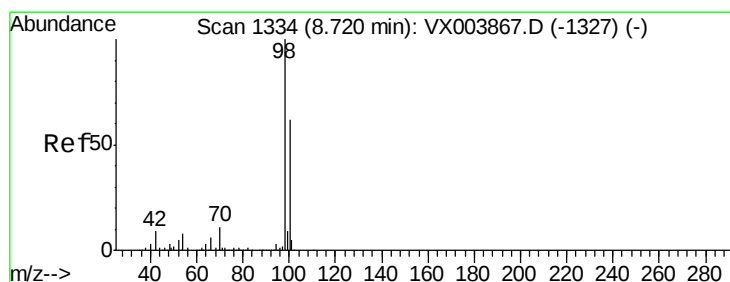
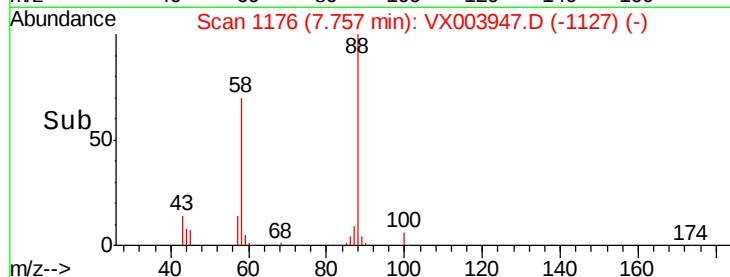
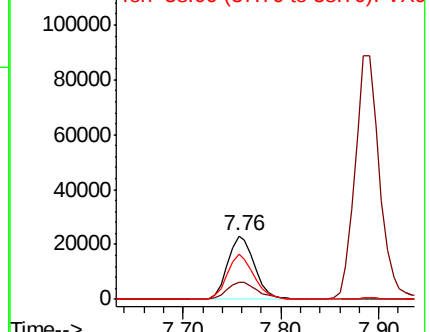
88 100

43 30.3 23.8 35.8

58 69.7 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: 46.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003947.D

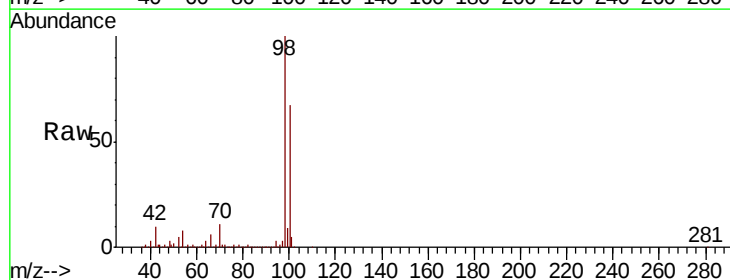
Acq: 09 Aug 2018 13:43

Tgt Ion: 98 Resp: 698893

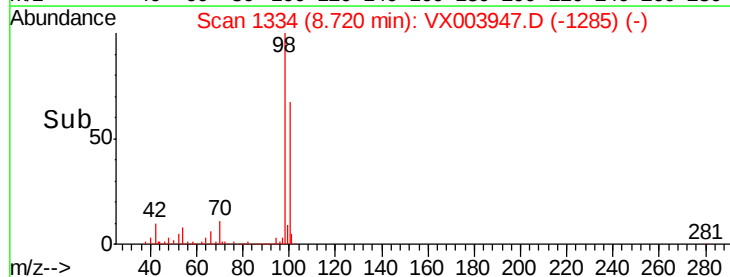
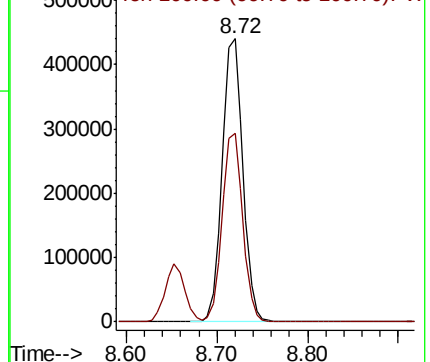
Ion Ratio Lower Upper

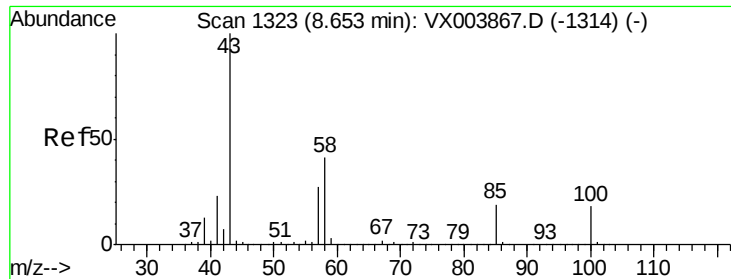
98 100

100 66.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 100.94 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

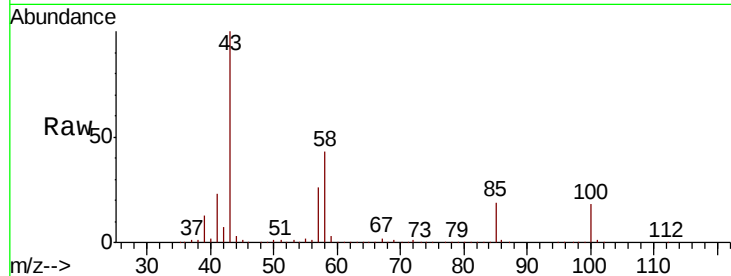
VX0809WBSD01

Tot Ion: 43 Resp: 783746

Ion Ratio Lower Upper

43 100

58 41.3 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

500000

400000

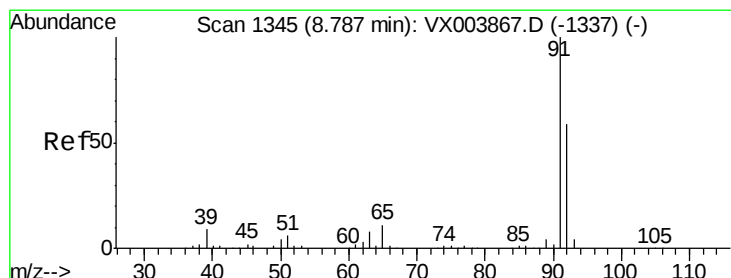
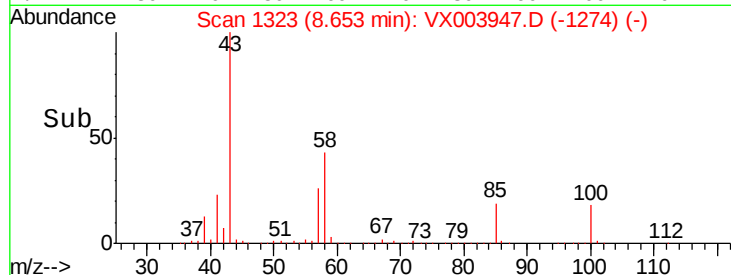
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.92 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003947.D

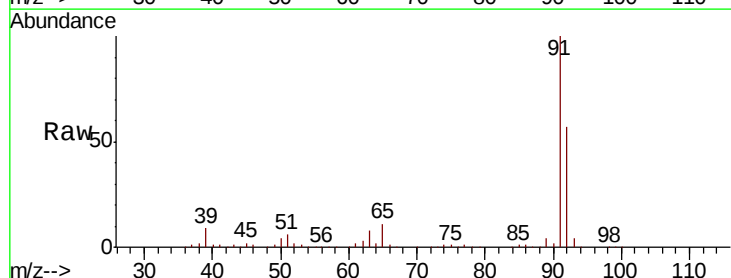
Acq: 09 Aug 2018 13:43

Tgt Ion: 92 Resp: 213887

Ion Ratio Lower Upper

92 100

91 171.4 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

250000

200000

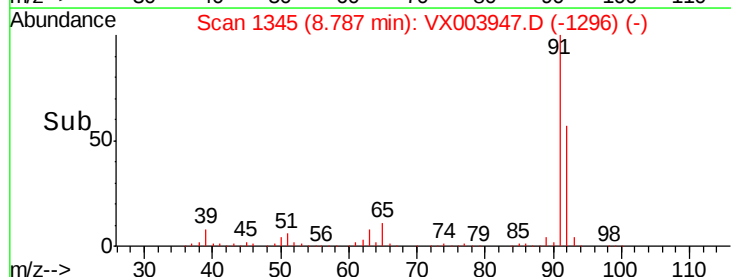
150000

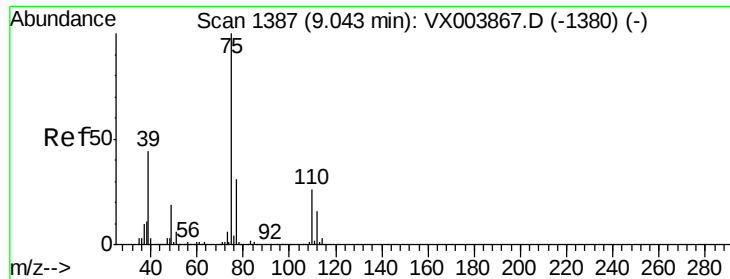
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.62 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

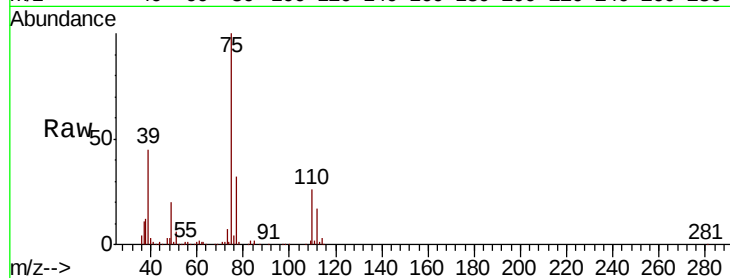
VX0809WBSD01

Tot Ion: 75 Resp: 112965

Ion Ratio Lower Upper

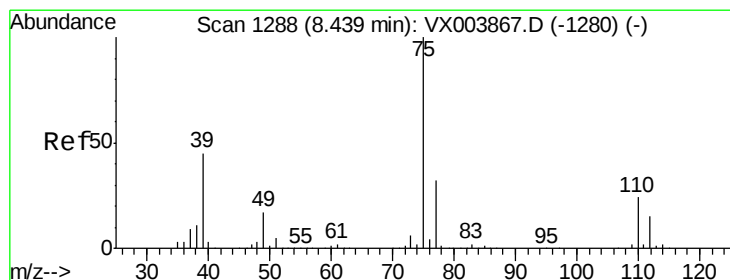
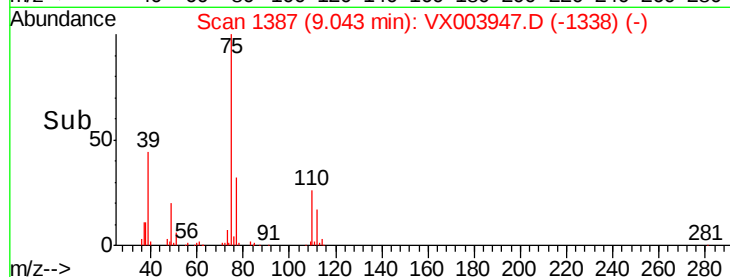
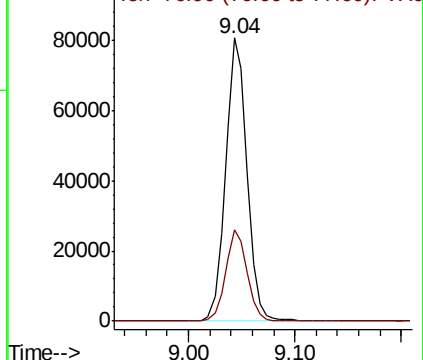
75 100

77 32.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.47 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

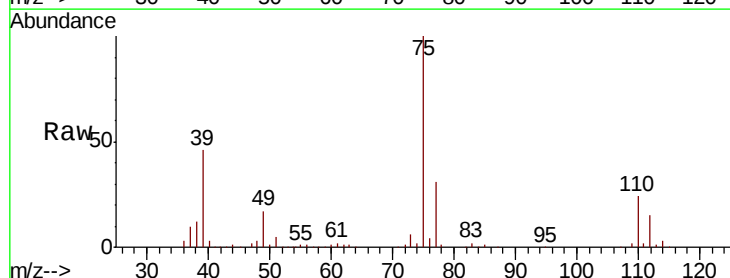
Tgt Ion: 75 Resp: 127327

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

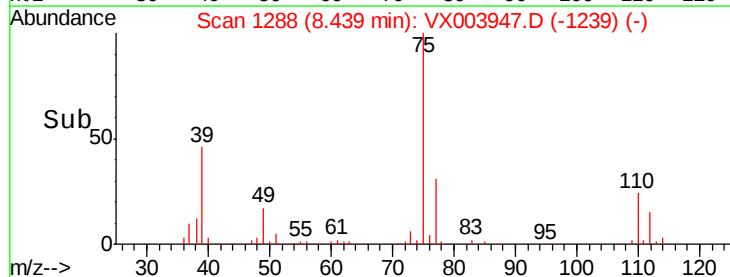
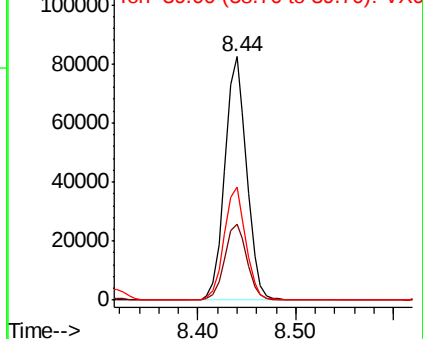
39 46.3 36.2 54.2

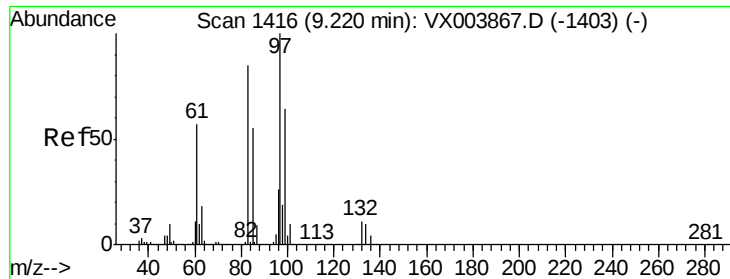


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

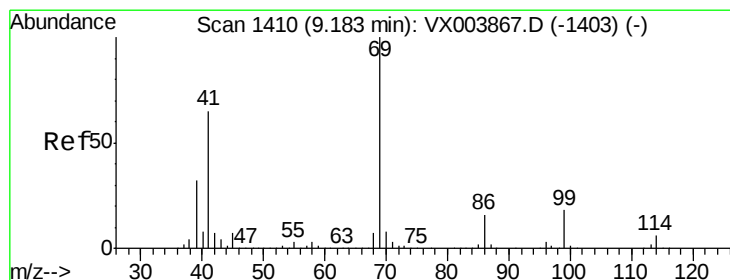
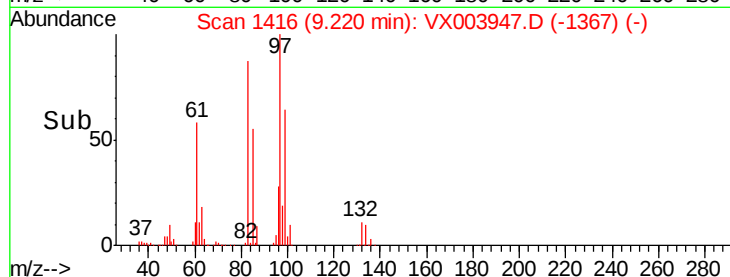
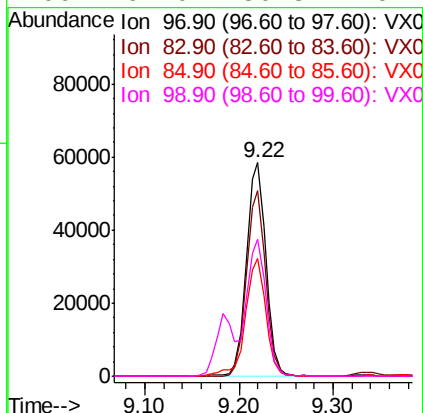
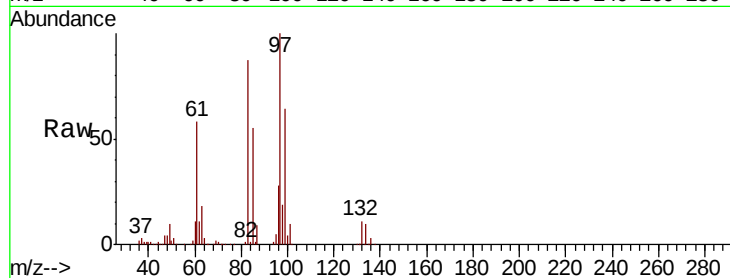




#55
 1,1,2-Trichloroethane
 Concen: 19.34 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

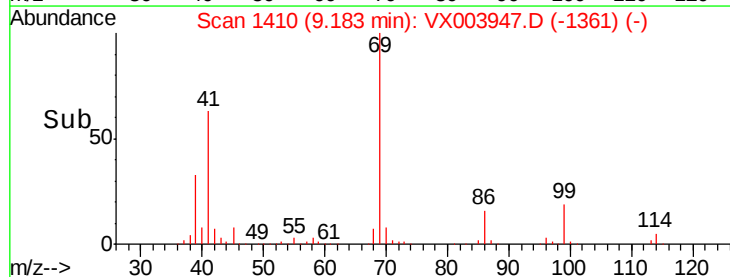
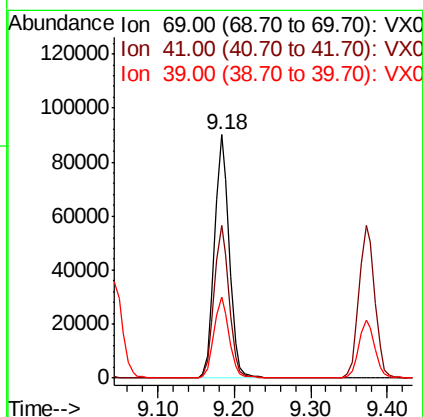
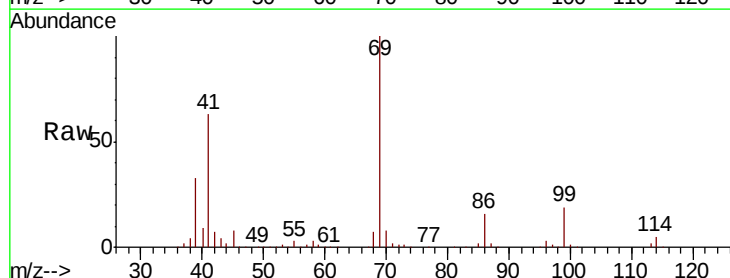
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

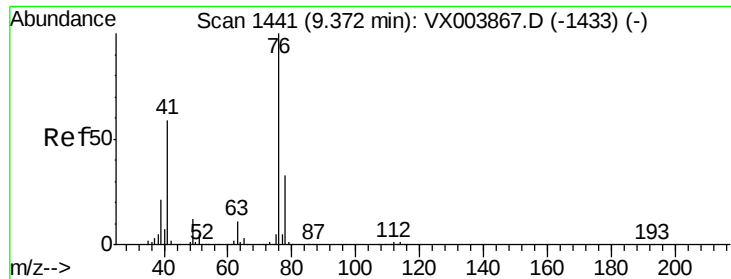
Tot Ion:	97	Resp:	84855
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.8	101.6
85	54.9	44.2	66.2
99	64.0	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 19.06 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion:	69	Resp:	121332
Ion	Ratio	Lower	Upper
69	100		
41	63.5	50.6	76.0
39	33.2	25.8	38.6





#57

1,3-Dichloropropane

Concen: 19.81 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

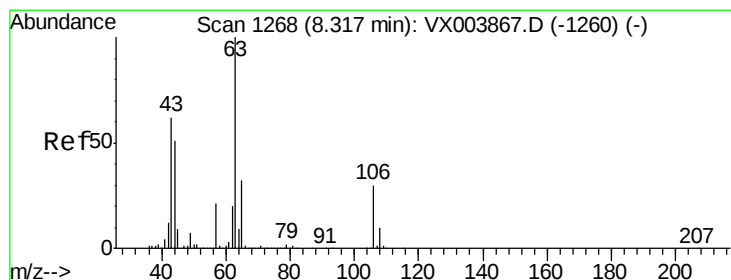
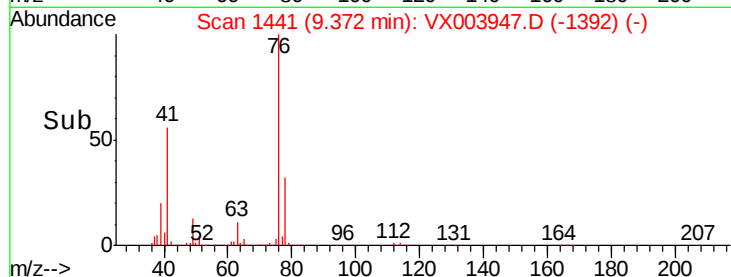
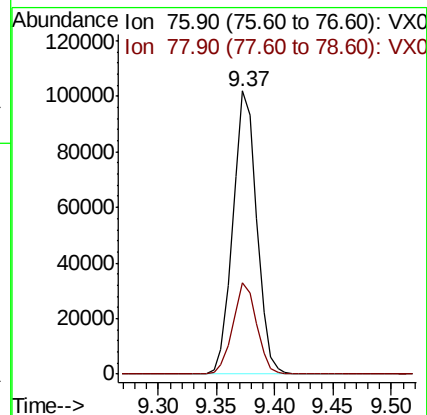
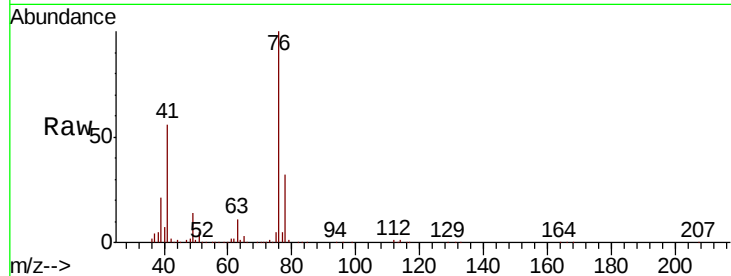
VX0809WBSD01

Tot Ion: 76 Resp: 145498

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 97.82 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003947.D

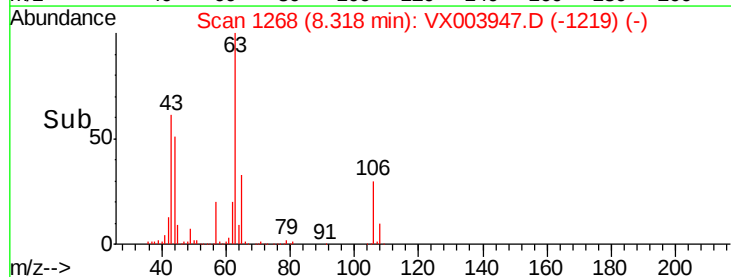
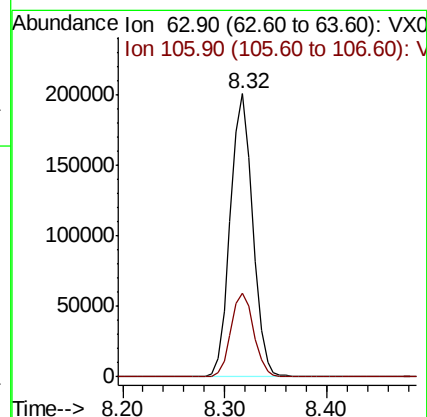
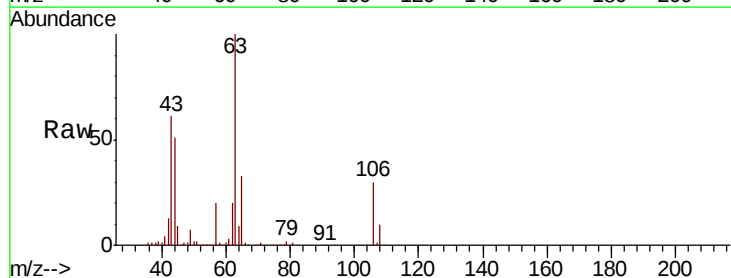
Acq: 09 Aug 2018 13:43

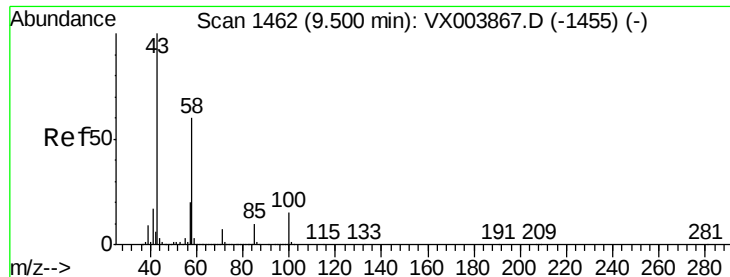
Tgt Ion: 63 Resp: 306197

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.8

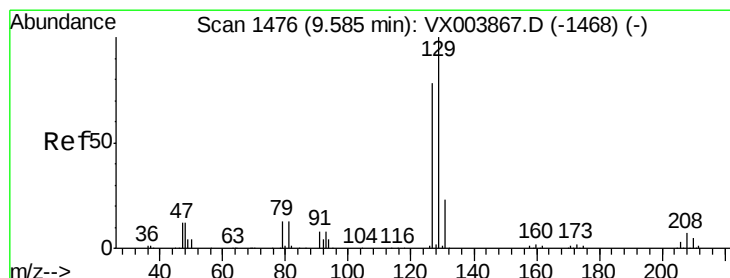
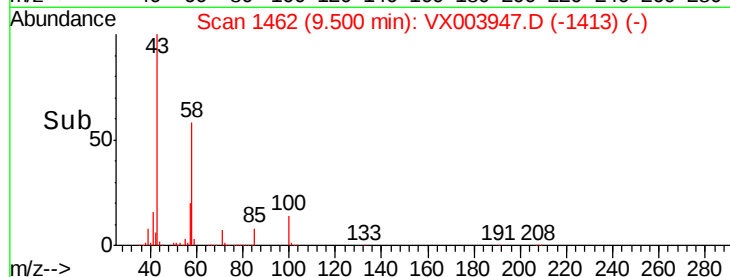
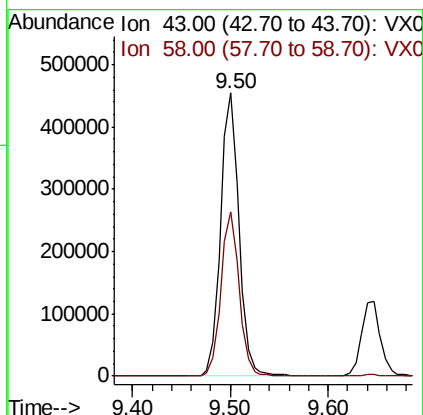
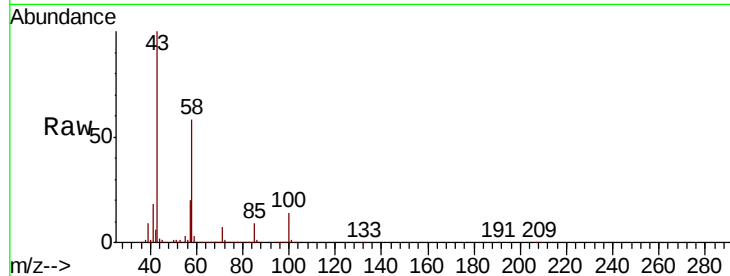




#59
2-Hexanone
Concen: 102.04 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

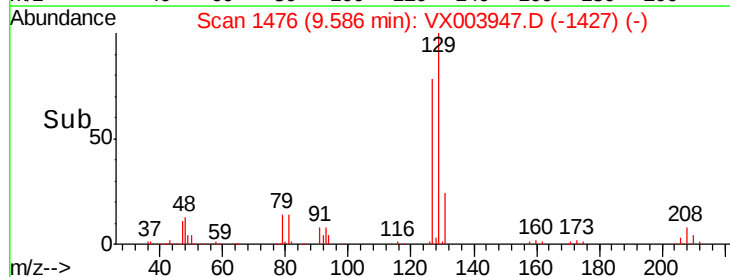
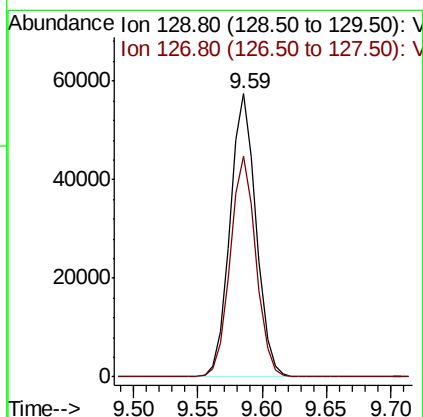
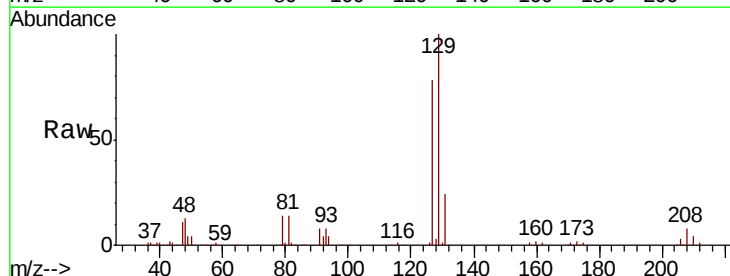
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

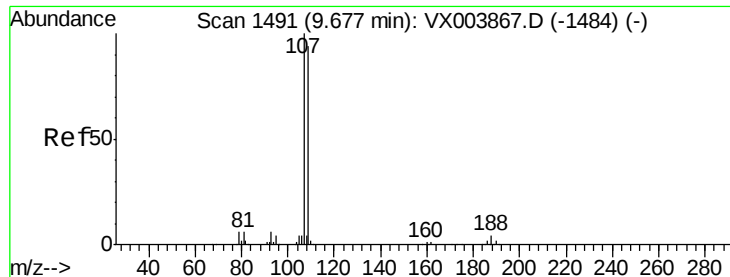
Tot Ion: 43 Resp: 592241
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0



#60
Dibromochloromethane
Concen: 19.88 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion: 129 Resp: 81310
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.97 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

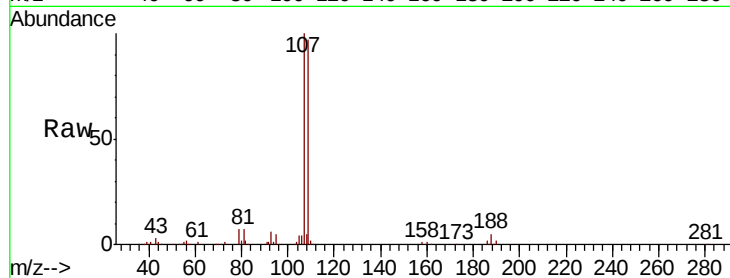
VX0809WBSD01

Tot Ion:107 Resp: 87708

Ion Ratio Lower Upper

107 100

109 95.2 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

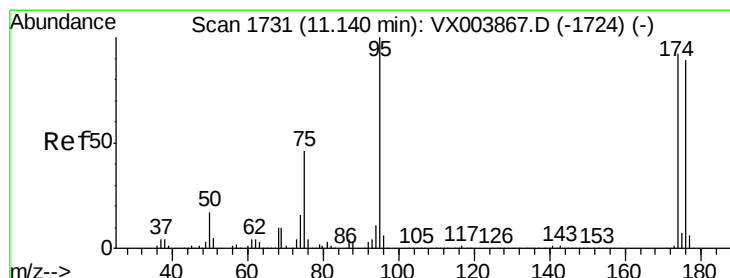
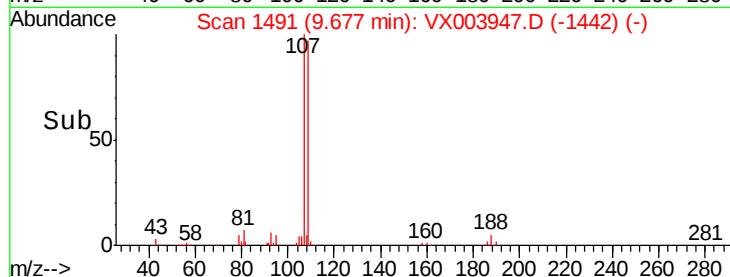
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 52.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

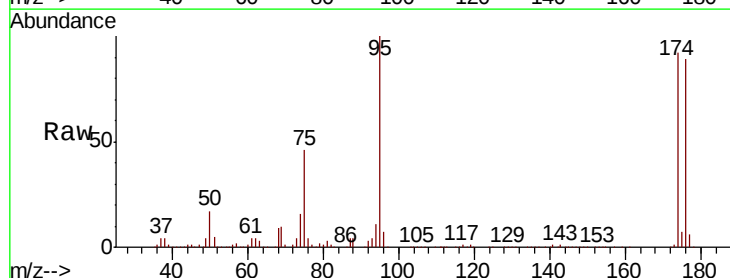
Tgt Ion: 95 Resp: 252917

Ion Ratio Lower Upper

95 100

174 91.4 0.0 182.8

176 89.5 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

250000

200000

150000

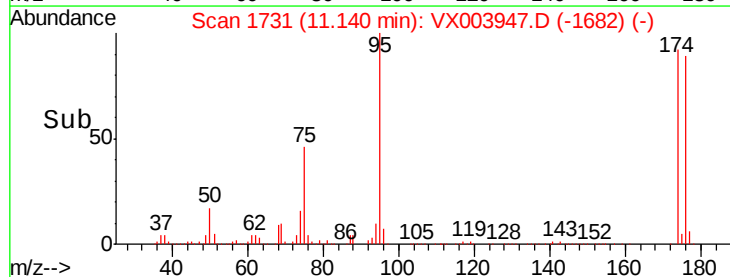
100000

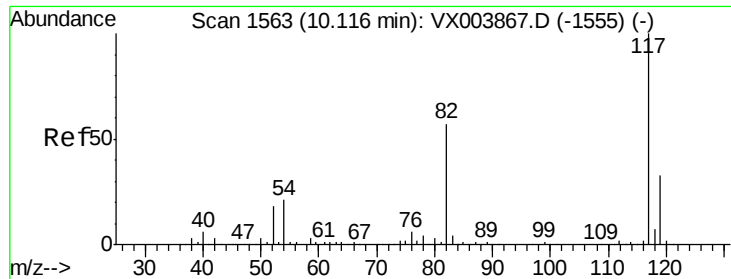
50000

0

11.10 11.14 11.20

Time-->

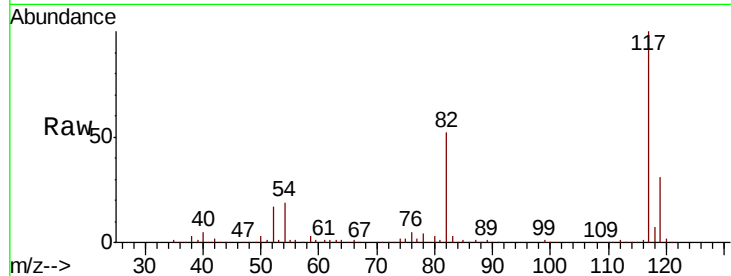




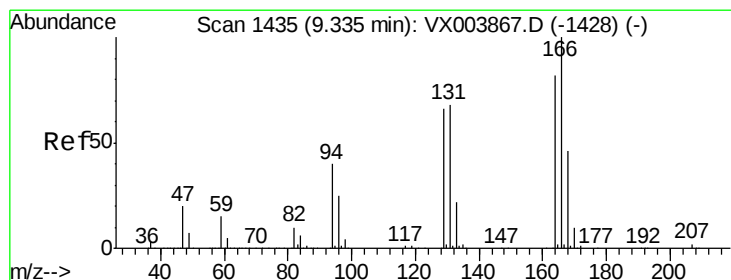
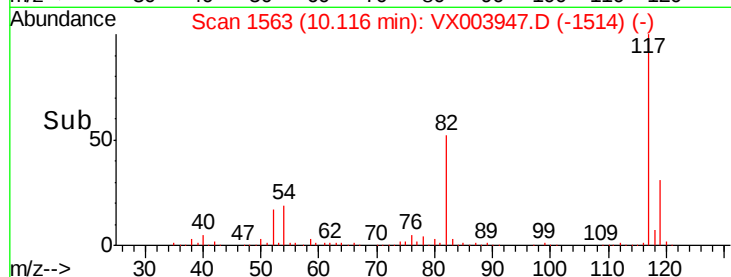
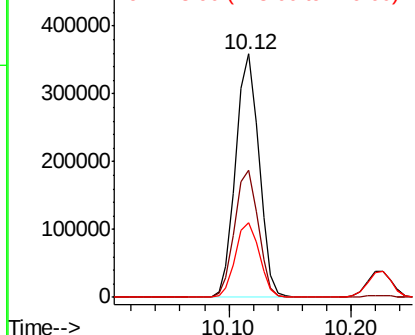
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

Tot Ion:117 Resp: 473844
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.0
119 30.6 26.6 40.0

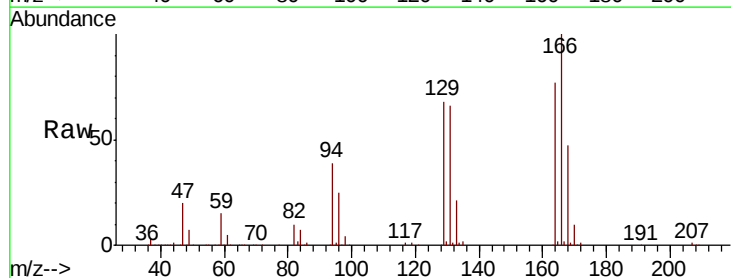


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

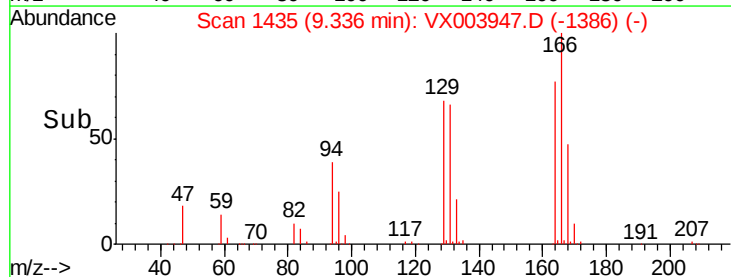
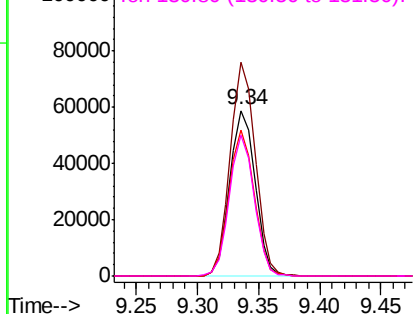


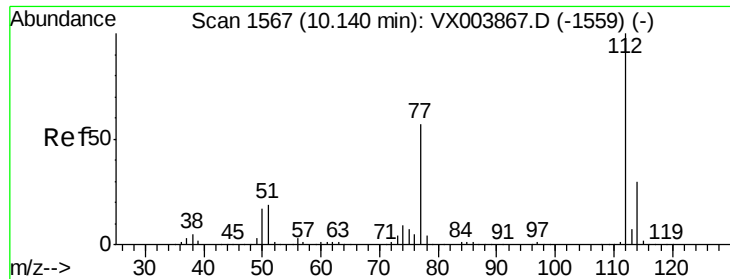
#64
Tetrachloroethene
Concen: 18.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion:164 Resp: 84517
Ion Ratio Lower Upper
164 100
166 129.3 98.0 147.0
129 88.2 64.3 96.5
131 85.6 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

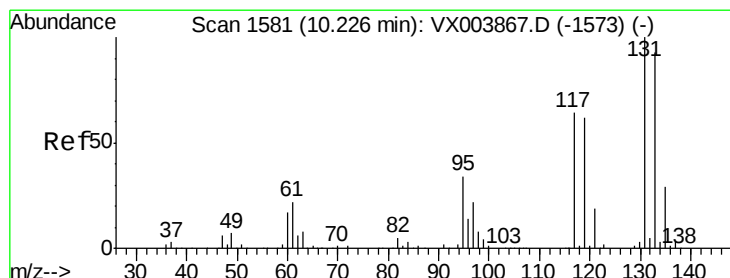
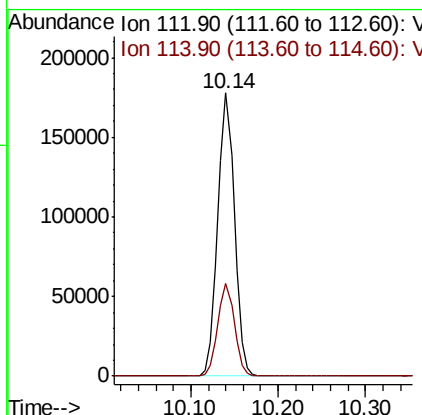
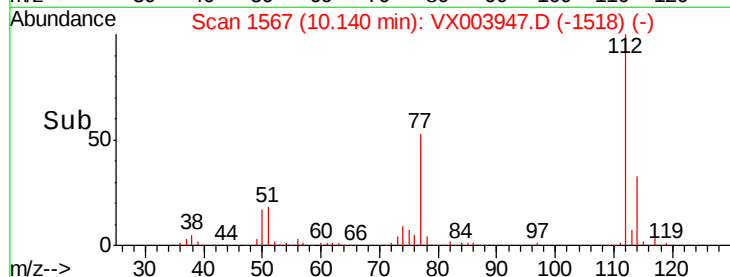
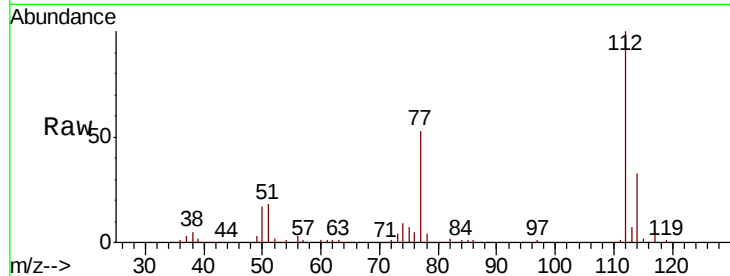




#65
Chlorobenzene
Concen: 19.06 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

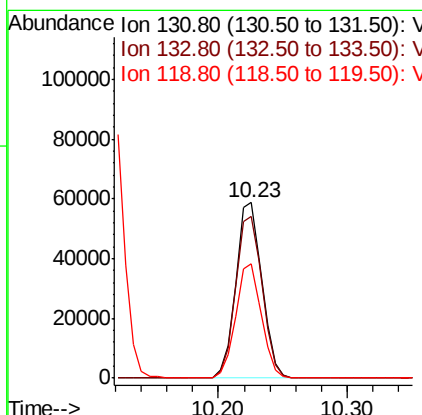
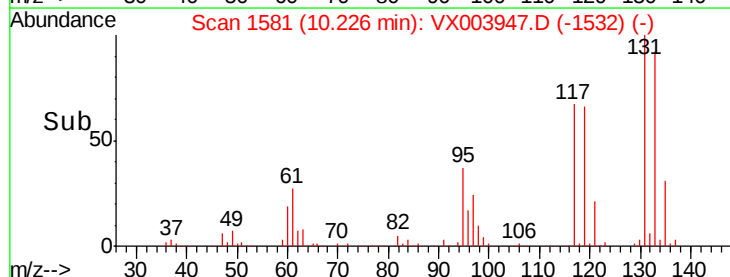
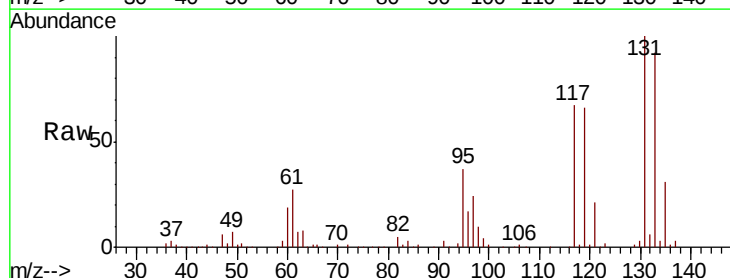
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

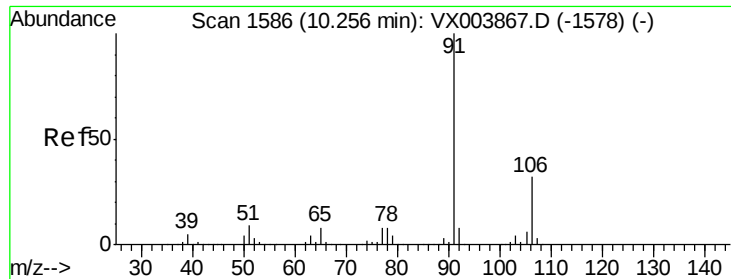
Tot Ion:112 Resp: 234992
Ion Ratio Lower Upper
112 100
114 32.7 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.50 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion:131 Resp: 82634
Ion Ratio Lower Upper
131 100
133 94.3 47.3 141.8
119 64.1 31.6 94.8

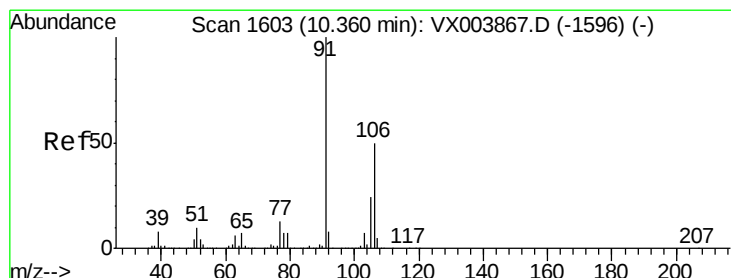
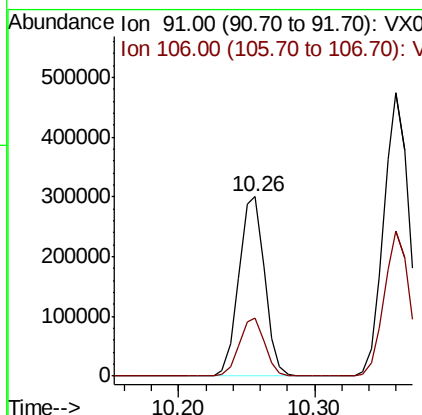
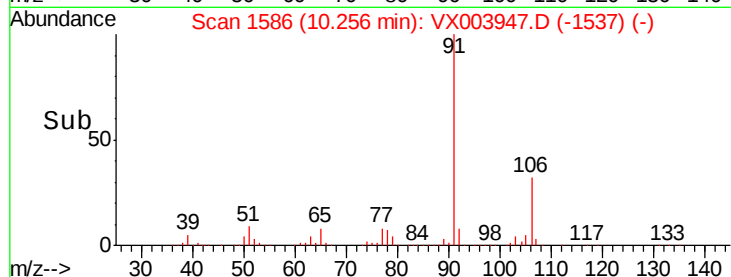
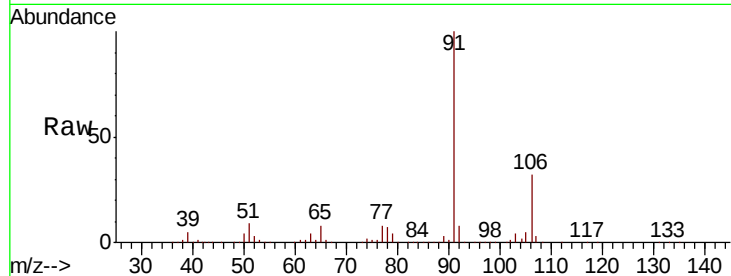




#67
Ethyl Benzene
Concen: 19.62 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

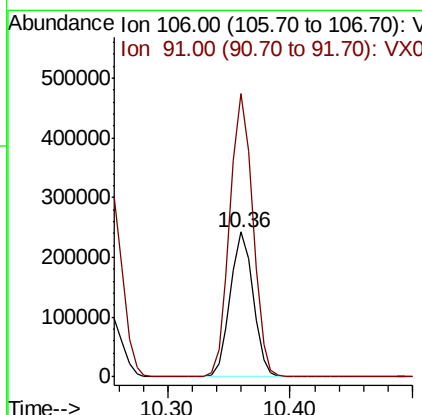
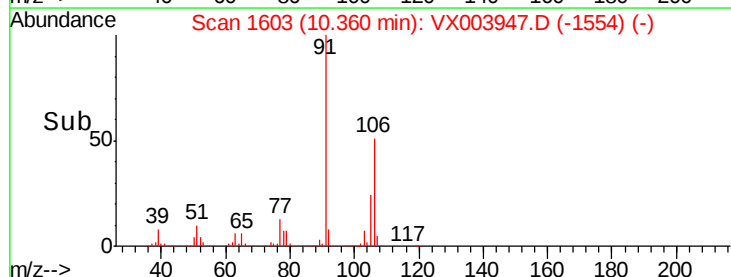
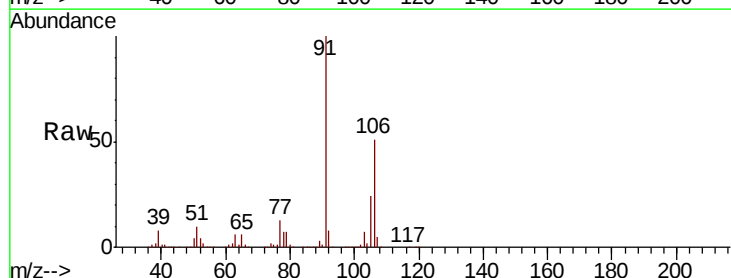
Instrument :
MSVOA_X
ClientSampleID :
VX0809WBSD01

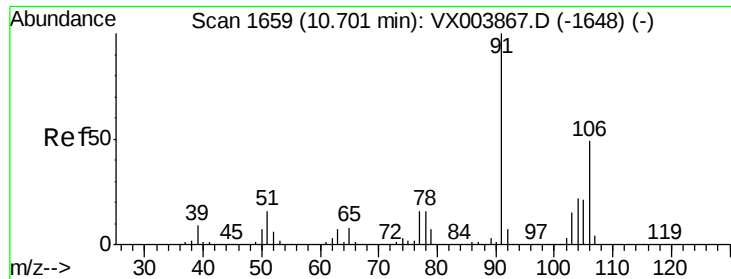
Tot Ion: 91 Resp: 395943
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9



#68
m/p-Xylenes
Concen: 39.81 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion: 106 Resp: 313924
Ion Ratio Lower Upper
106 100
91 196.7 162.3 243.5

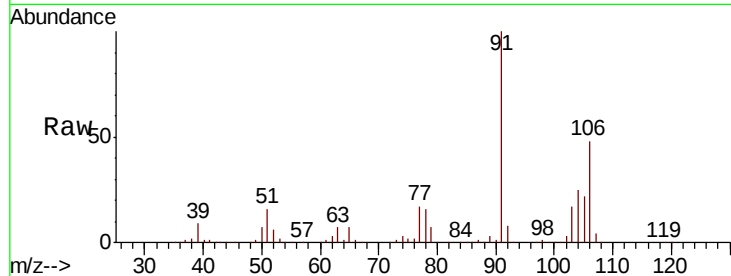




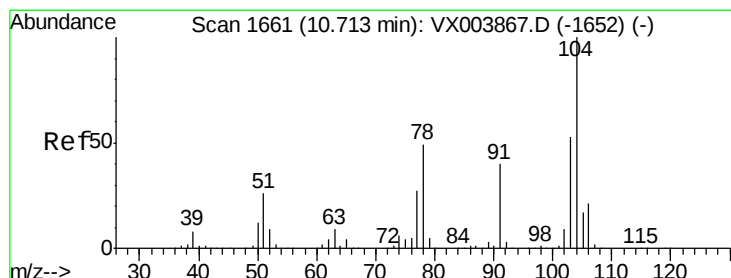
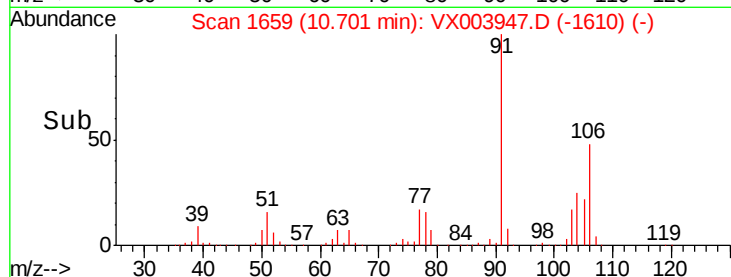
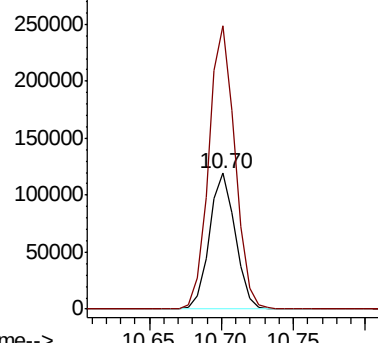
#69
o-Xylene
Concen: 20.17 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBSD01

Tot Ion:106 Resp: 150126
Ion Ratio Lower Upper
106 100
91 209.9 101.9 305.7

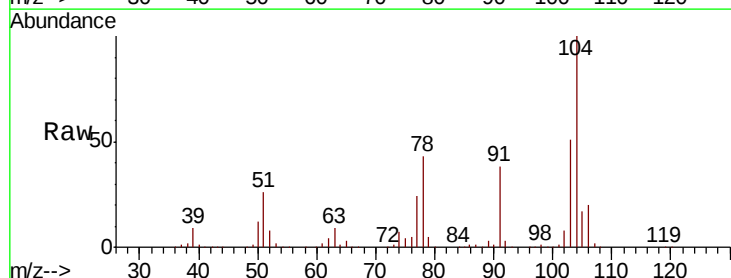


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

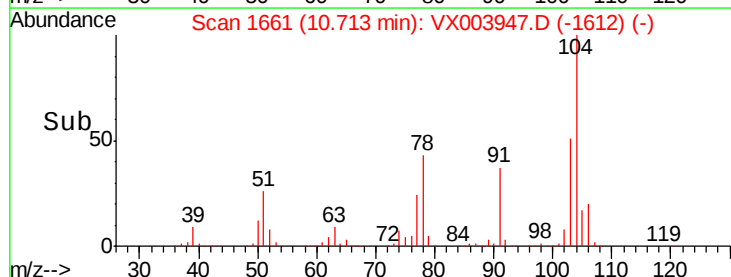
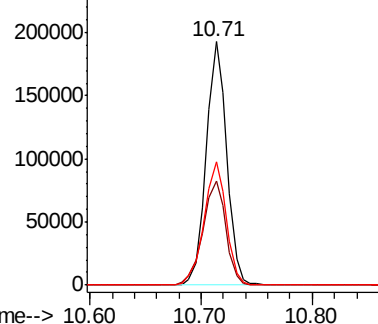


#70
Styrene
Concen: 20.13 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003947.D
Acq: 09 Aug 2018 13:43

Tgt Ion:104 Resp: 245313
Ion Ratio Lower Upper
104 100
78 48.0 39.8 59.6
103 54.9 44.3 66.5



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





#71

Bromoform

Concen: 18.90 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

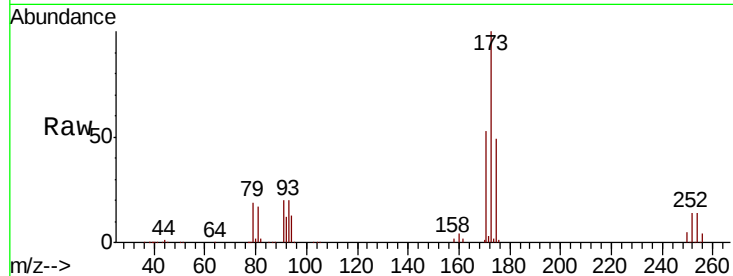
Tot Ion:173 Resp: 61013

Ion Ratio Lower Upper

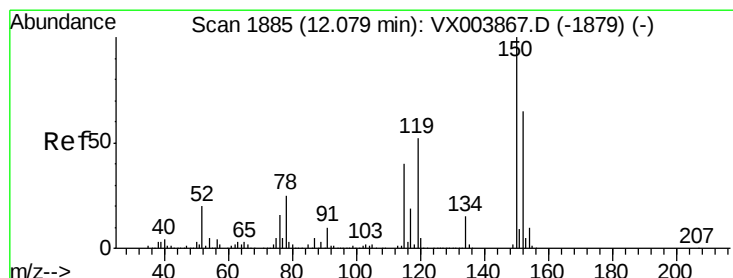
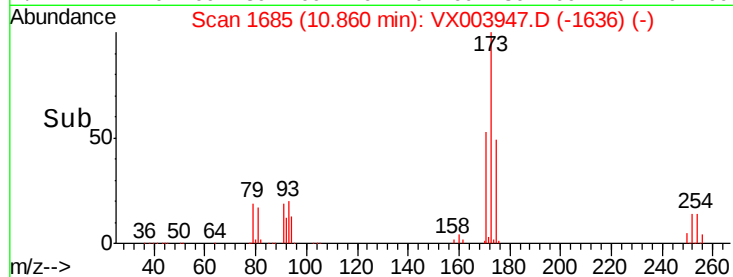
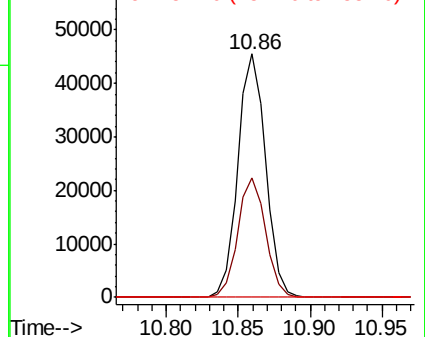
173 100

175 49.3 24.9 74.7

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

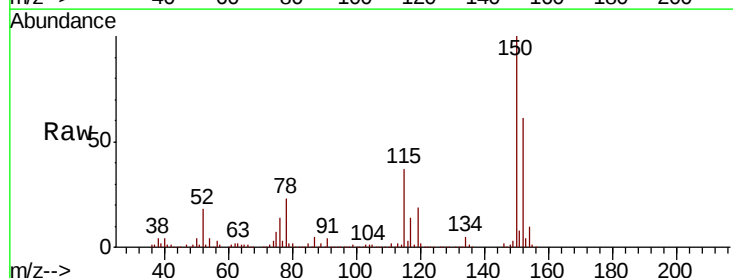
Tgt Ion:152 Resp: 264727

Ion Ratio Lower Upper

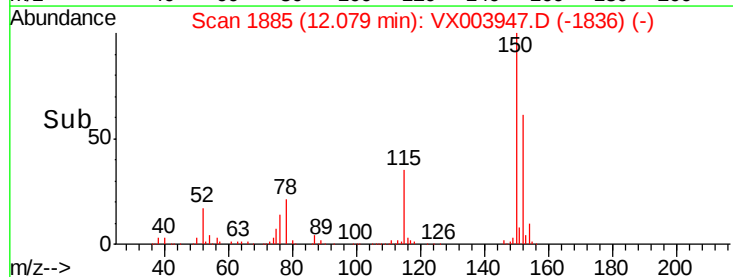
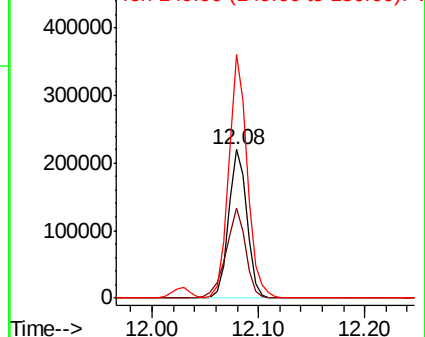
152 100

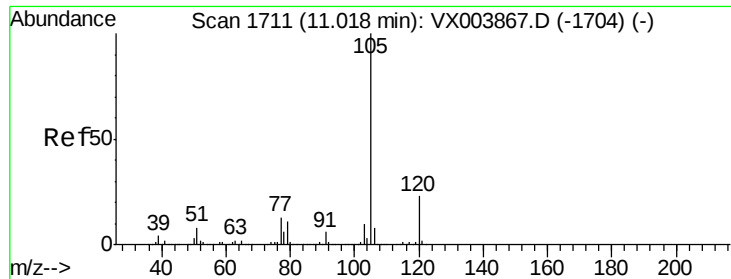
115 65.0 39.1 117.3

150 166.4 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.34 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

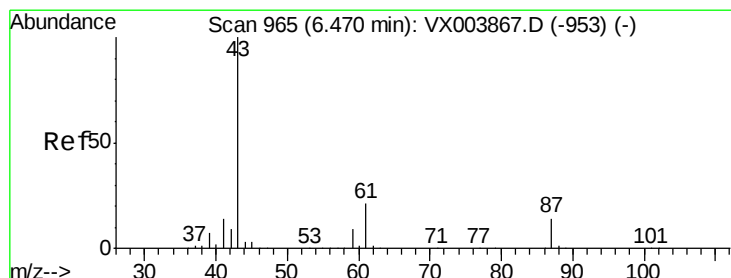
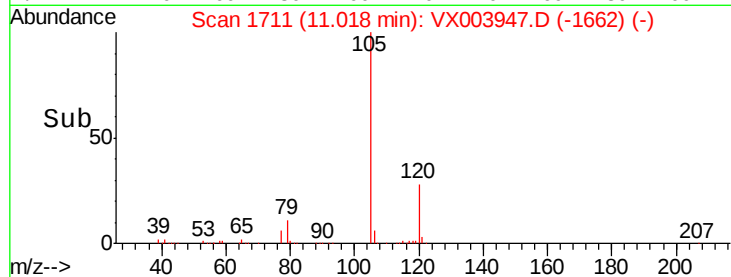
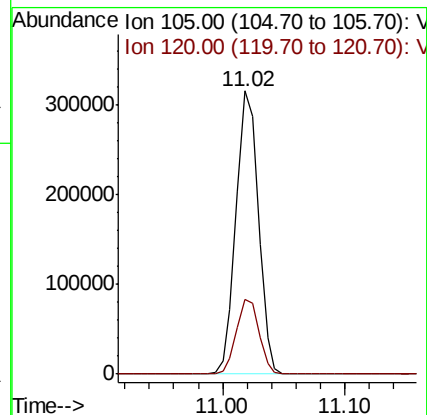
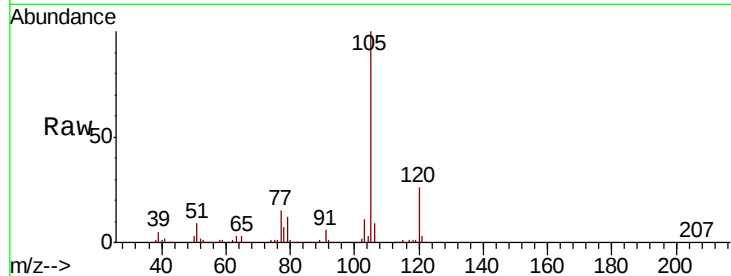
VX0809WBSD01

Tot Ion:105 Resp: 398369

Ion Ratio Lower Upper

105 100

120 26.8 12.6 37.8



#74

N-ethyl acetate

Concen: 17.85 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Tgt Ion: 43 Resp: 181807

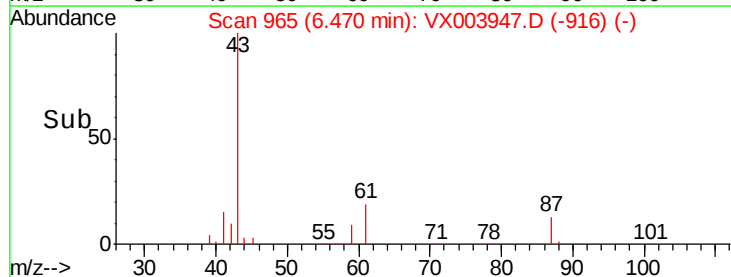
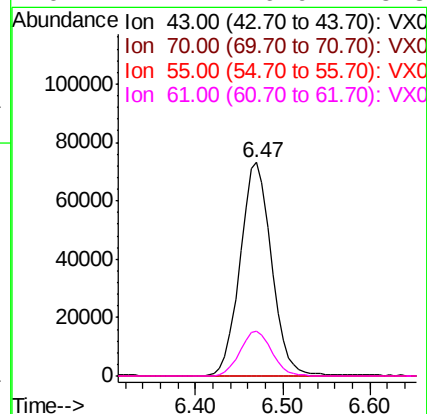
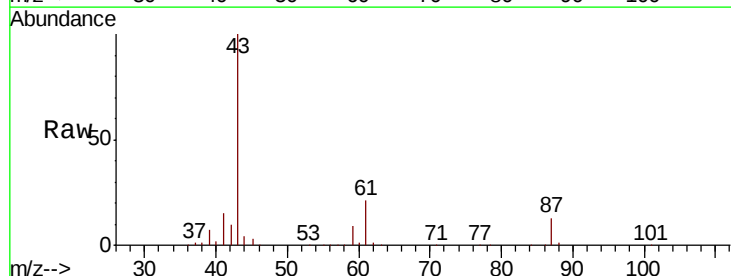
Ion Ratio Lower Upper

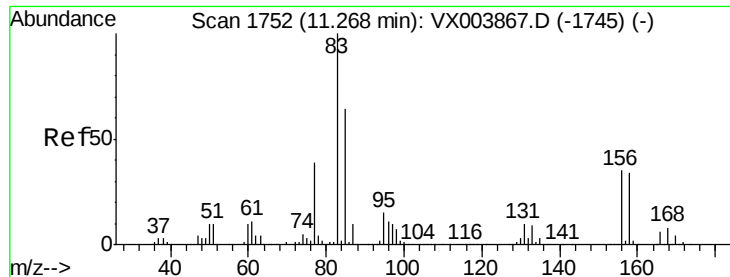
43 100

70 0.0 0.0 0.0#

55 0.2 0.1 0.1#

61 21.4 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.69 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

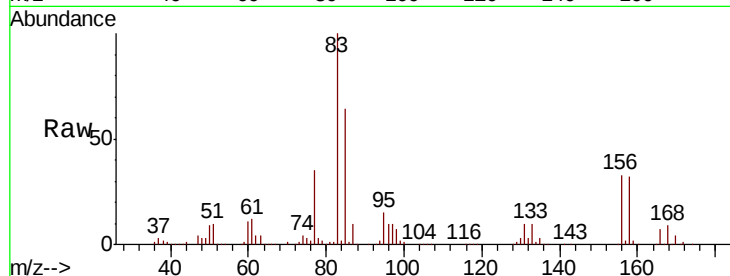
Tot Ion: 83 Resp: 132186

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

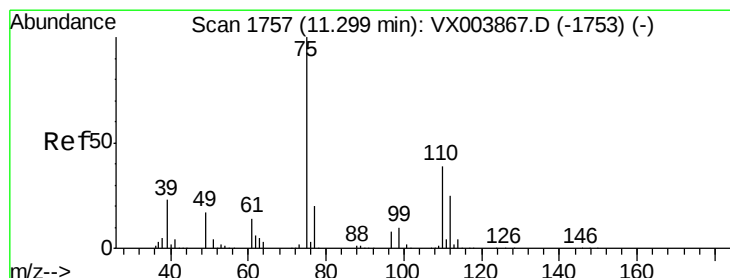
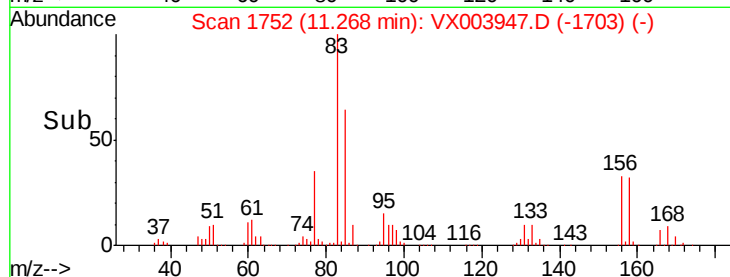
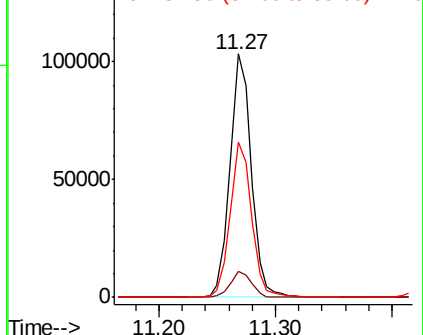
85 64.2 32.2 96.6



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: 25.09 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003947.D

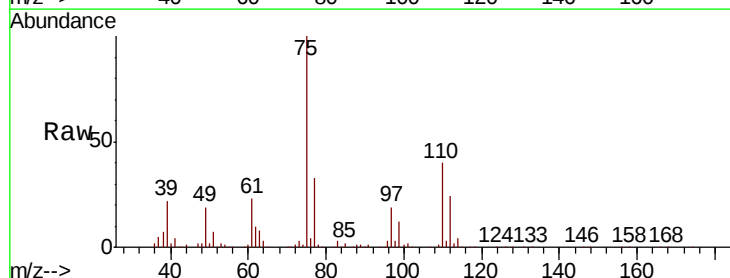
Acq: 09 Aug 2018 13:43

Tgt Ion: 75 Resp: 146733

Ion Ratio Lower Upper

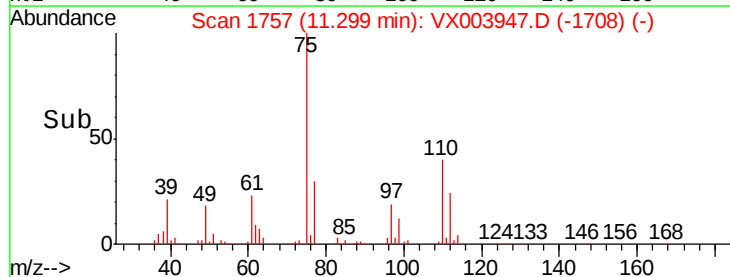
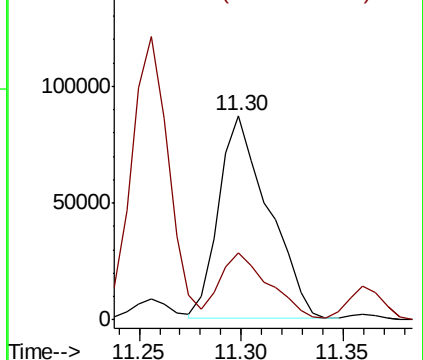
75 100

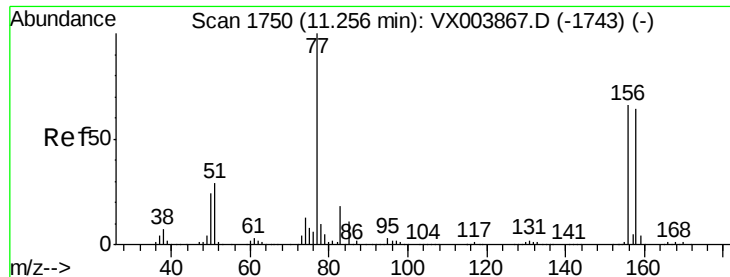
77 32.9 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.89 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

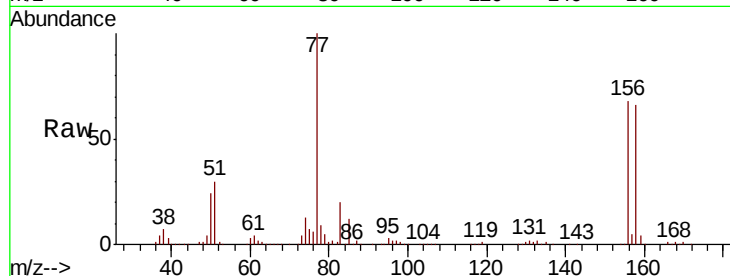
Tot Ion:156 Resp: 103921

Ion Ratio Lower Upper

156 100

77 148.4 74.1 222.2

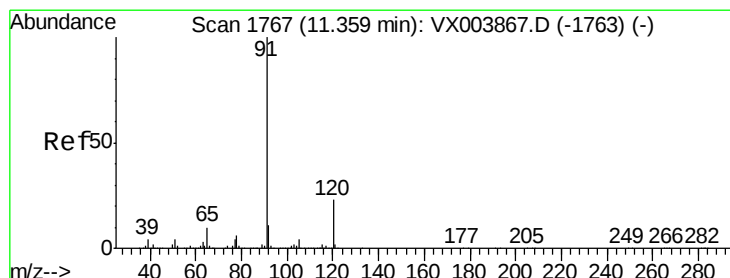
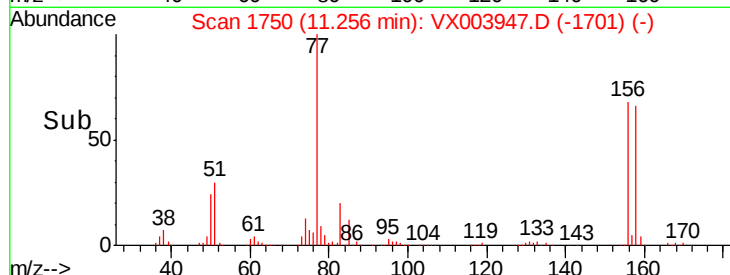
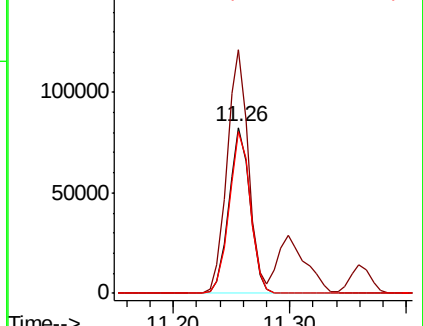
158 98.2 48.6 145.9



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: 20.42 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003947.D

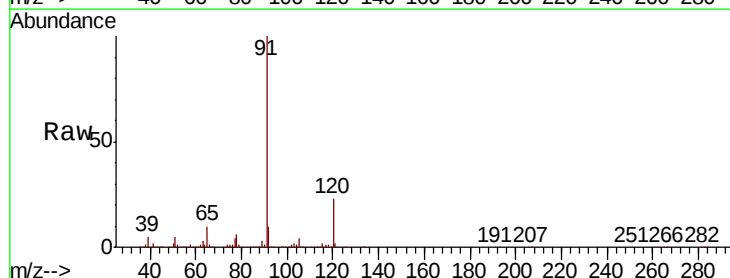
Acq: 09 Aug 2018 13:43

Tgt Ion: 91 Resp: 449082

Ion Ratio Lower Upper

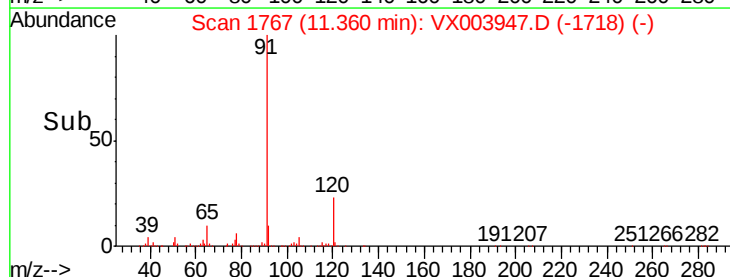
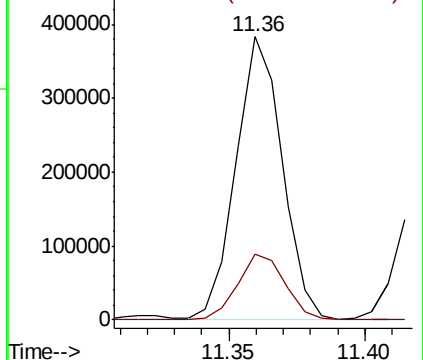
91 100

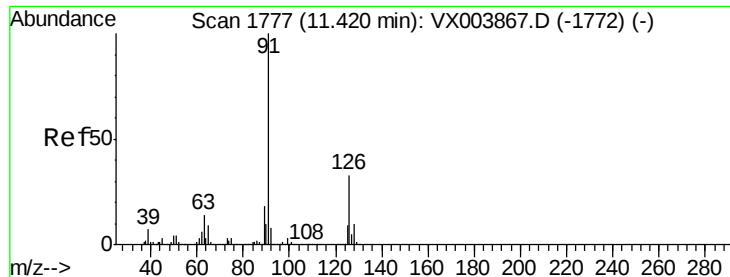
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

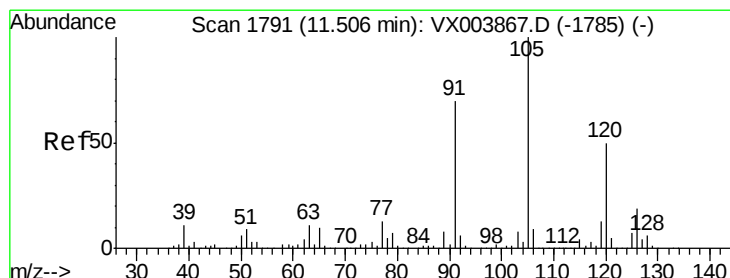
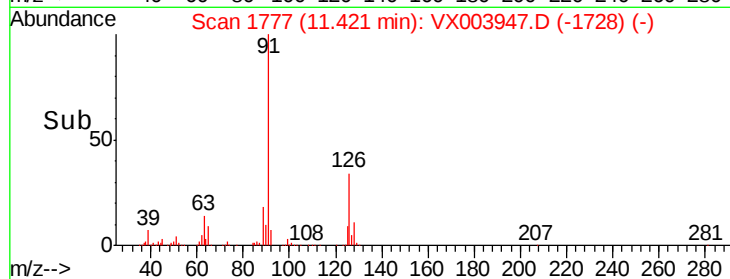
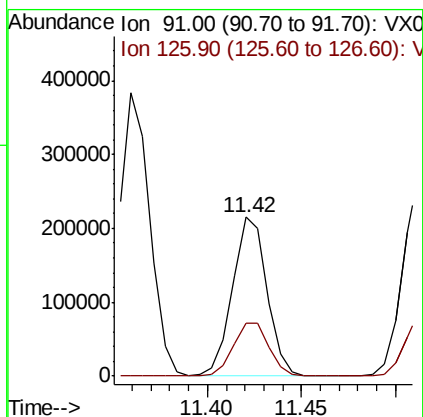
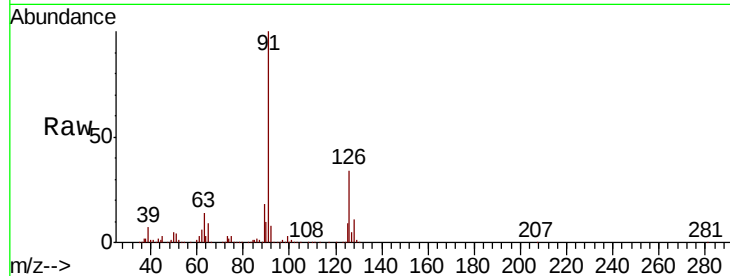




#79
 2-Chlorotoluene
 Concen: 20.20 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

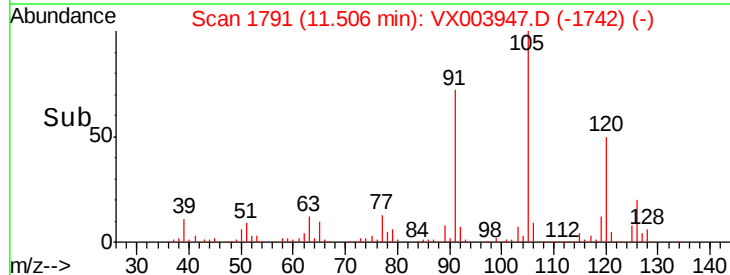
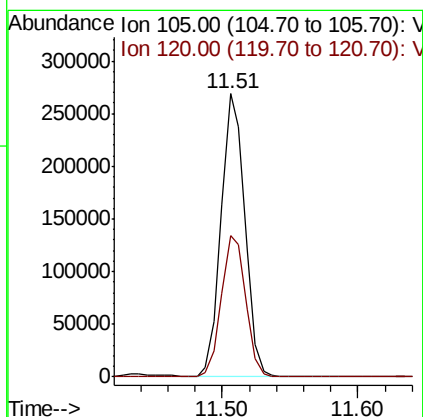
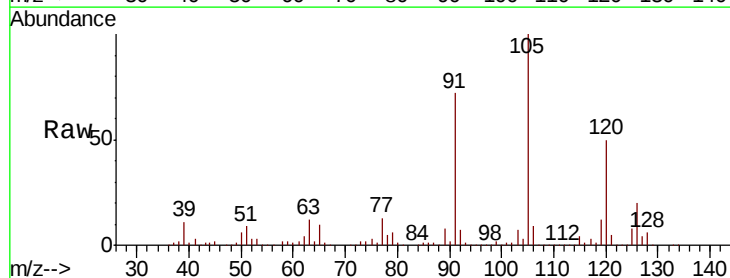
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

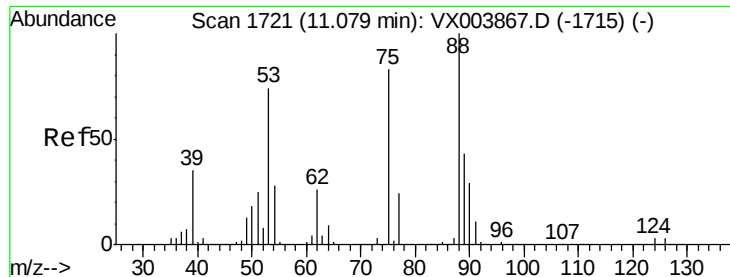
Tot Ion: 91 Resp: 270818
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.39 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion: 105 Resp: 325620
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.48 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

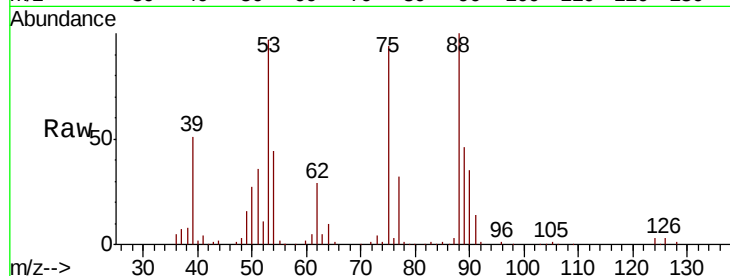
Tot Ion: 75 Resp: 34321

Ion Ratio Lower Upper

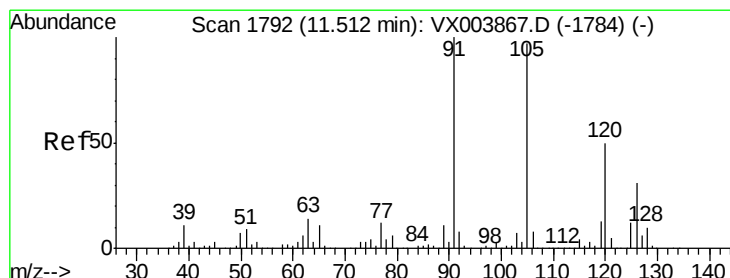
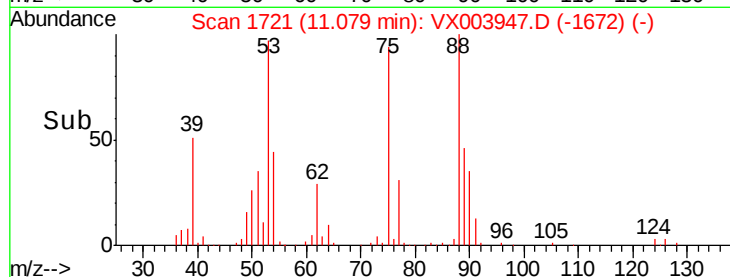
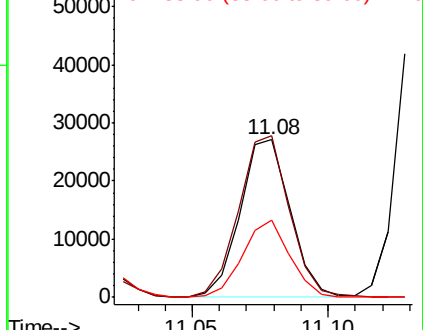
75 100

53 105.9 80.3 120.5

89 46.6 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: 20.06 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003947.D

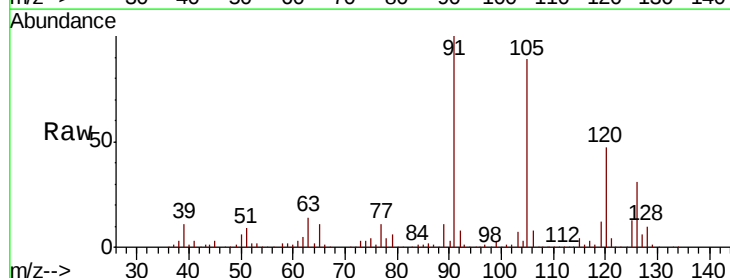
Acq: 09 Aug 2018 13:43

Tgt Ion: 91 Resp: 315027

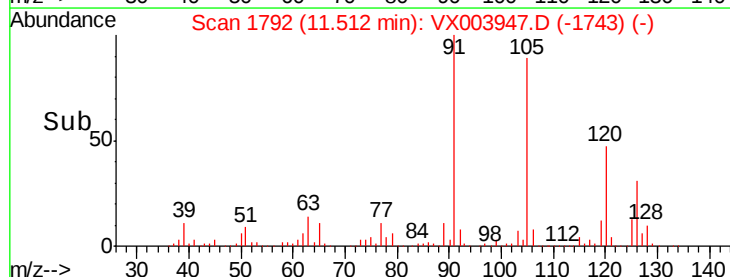
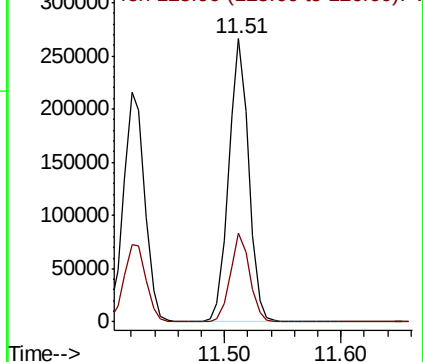
Ion Ratio Lower Upper

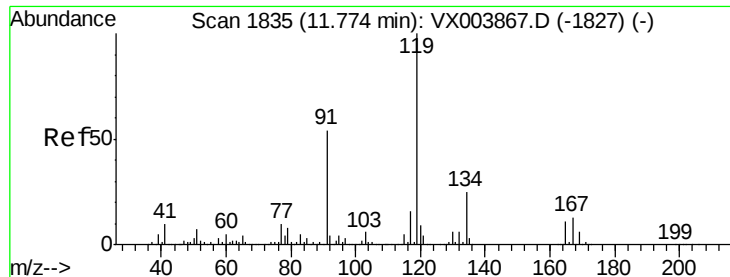
91 100

126 30.8 15.6 46.7



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

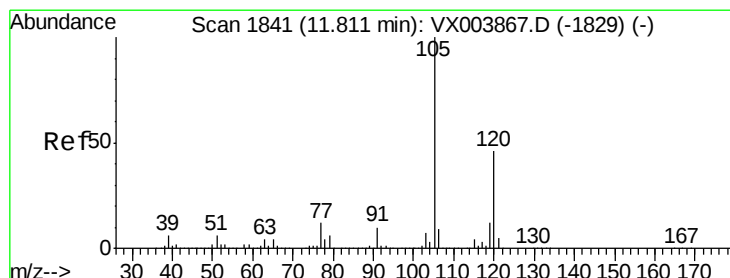
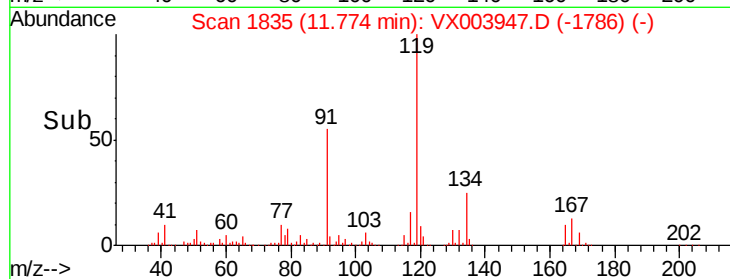
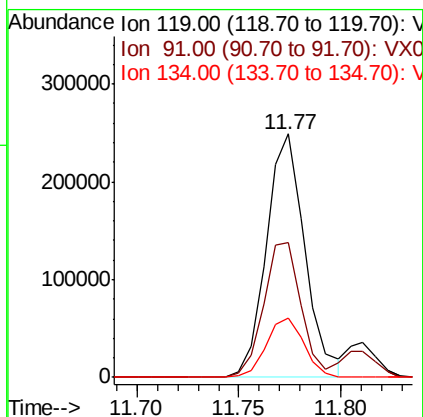
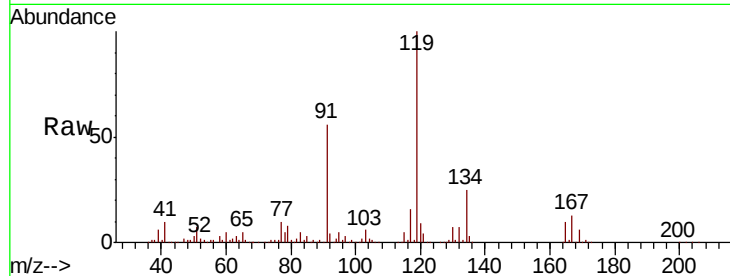




#83
 tert-Butylbenzene
 Concen: 20.82 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

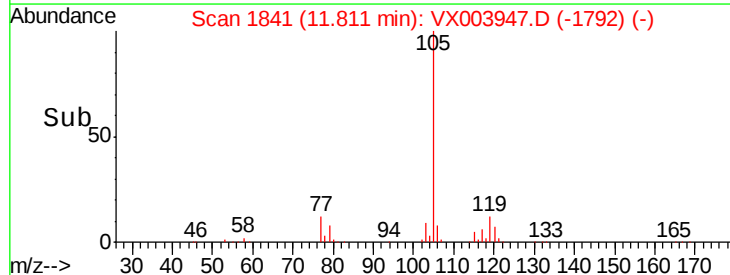
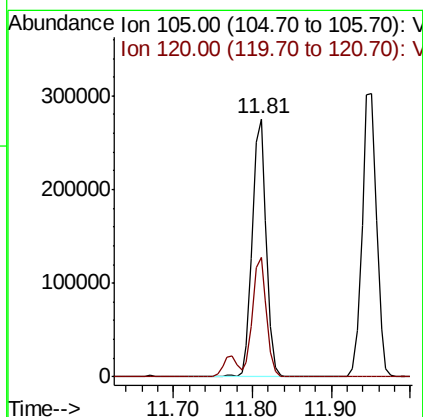
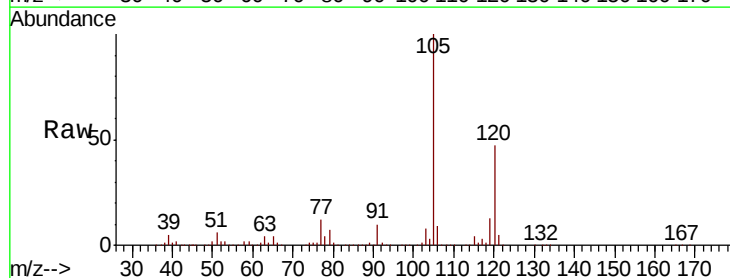
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0809WBSD01

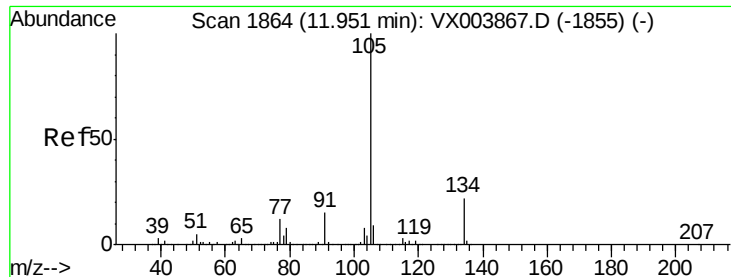
Tot Ion:119 Resp: 327001
 Ion Ratio Lower Upper
 119 100
 91 53.9 26.9 80.7
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.30 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion:105 Resp: 342027
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.78 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampled :

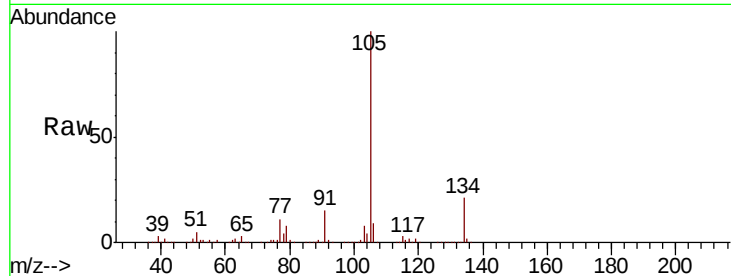
VX0809WBSD01

Tot Ion:105 Resp: 385291

Ion Ratio Lower Upper

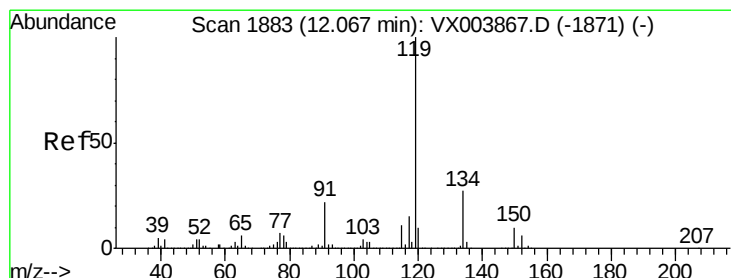
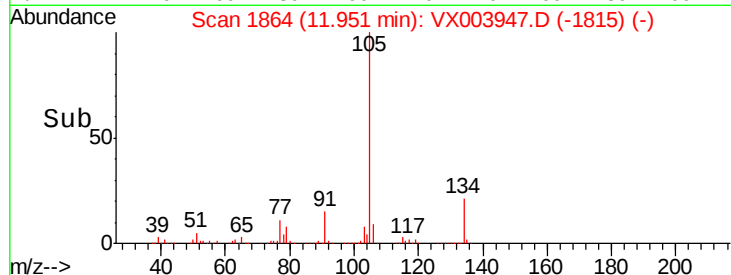
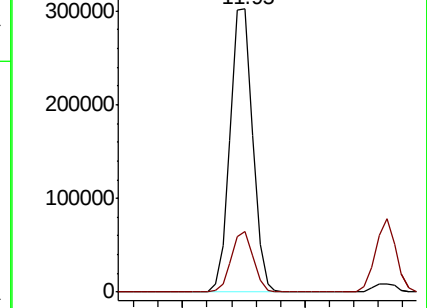
105 100

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: 20.49 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

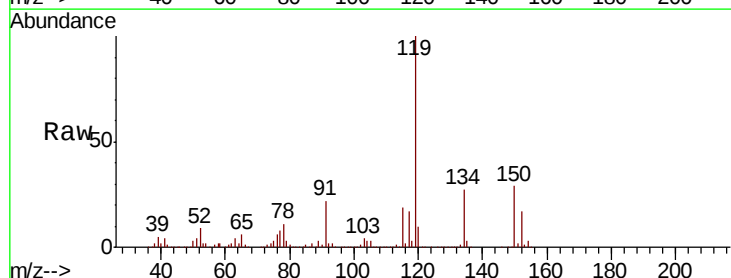
Tgt Ion:119 Resp: 340867

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

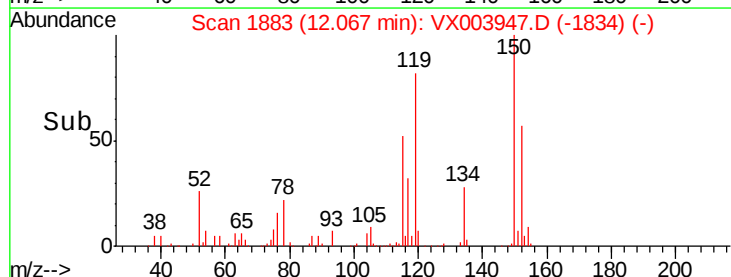
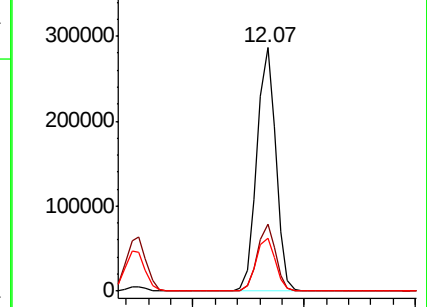
91 22.4 10.9 32.7

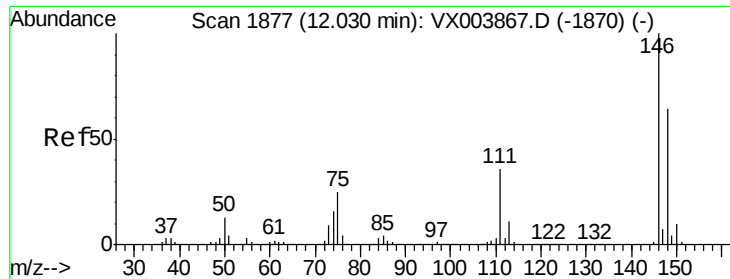


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

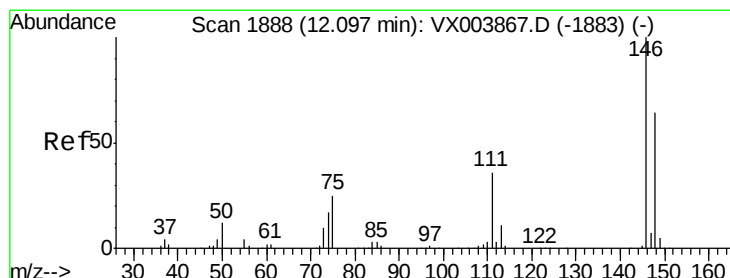
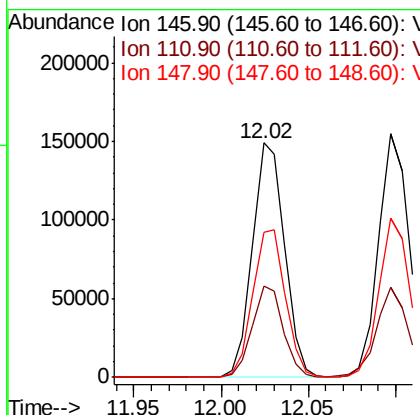
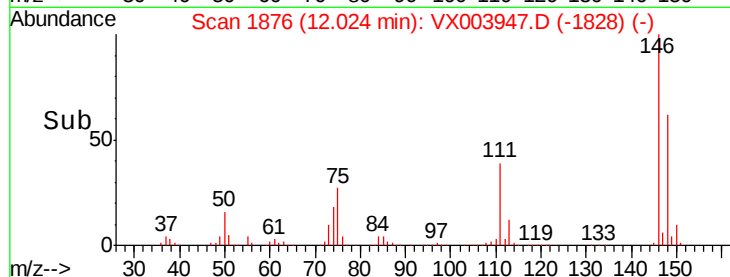
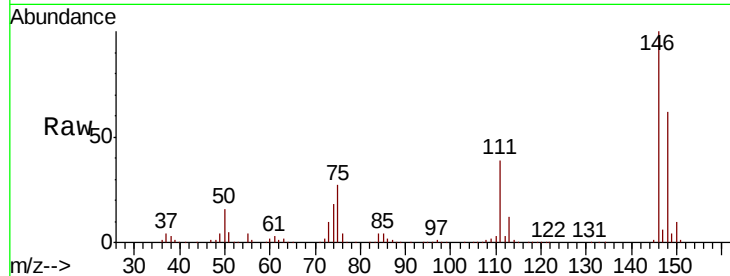




#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

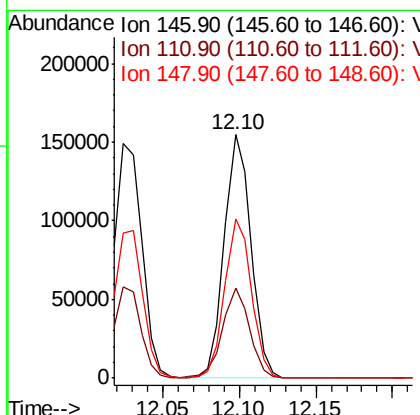
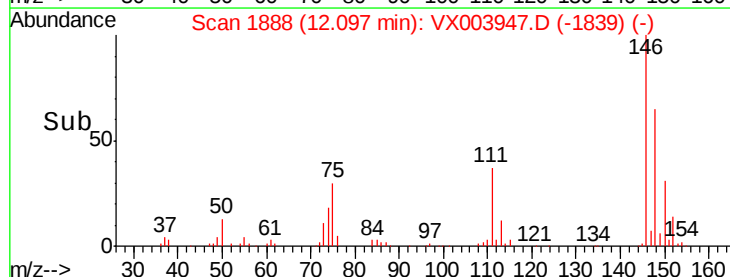
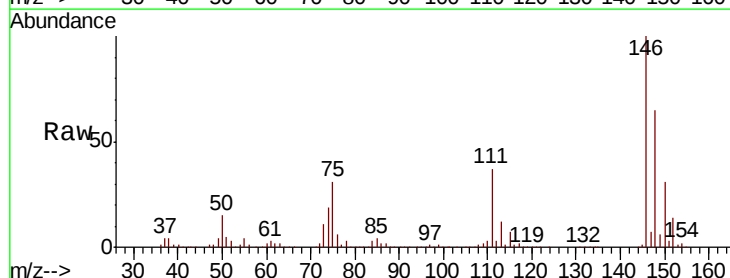
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

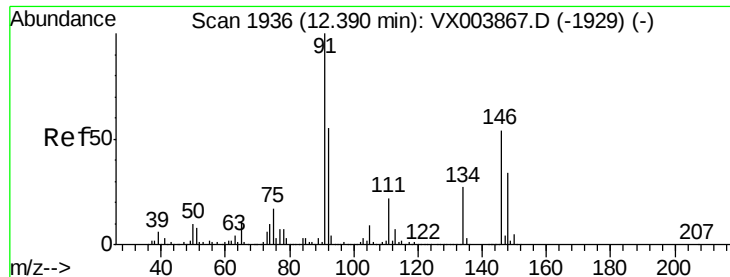
Tot Ion:146 Resp: 191137
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion:146 Resp: 187737
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.4 55.0
 148 65.6 32.3 96.8





#89

n-Butylbenzene

Concen: 17.35 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

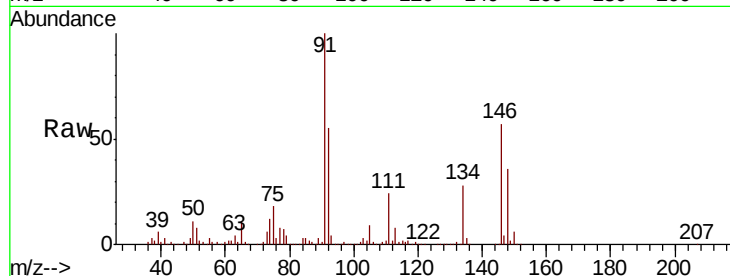
Tot Ion: 91 Resp: 251550

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.3

134 27.8 13.6 40.7

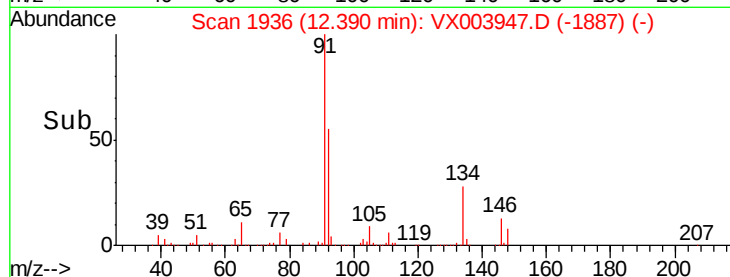


Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

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

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

Time-->

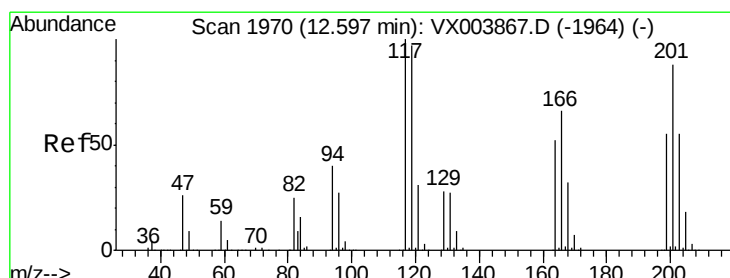


Abundance Ion 91.00 (90.70 to 91.70): VX003947.D (-1887) (-)

Ion 92.00 (91.70 to 92.70): VX003947.D (-1887) (-)

Ion 134.00 (133.70 to 134.70): VX003947.D (-1887) (-)

Time-->



#90

Hexachloroethane

Concen: 16.70 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003947.D

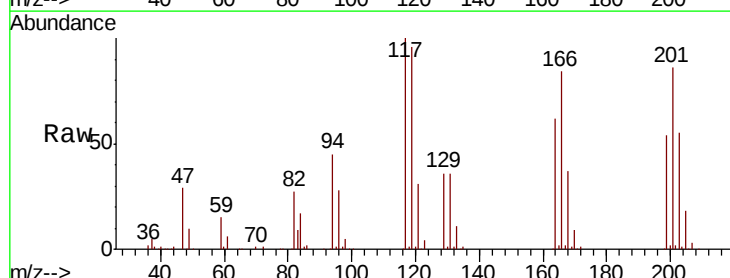
Acq: 09 Aug 2018 13:43

Tgt Ion: 117 Resp: 45102

Ion Ratio Lower Upper

117 100

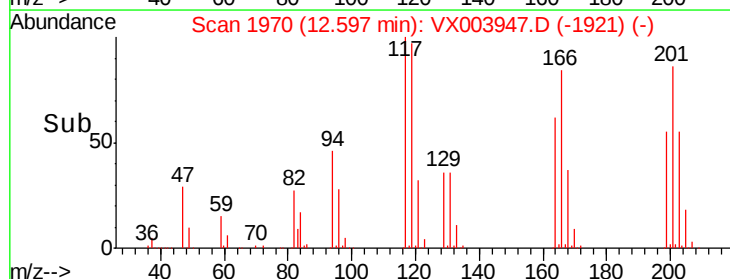
201 92.6 46.1 138.2



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

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

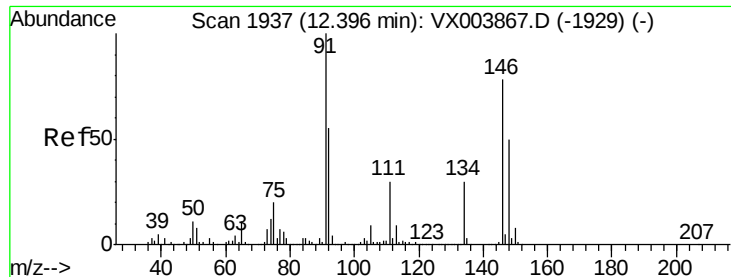
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX003947.D (-1921) (-)

Ion 200.70 (200.40 to 201.40): VX003947.D (-1921) (-)

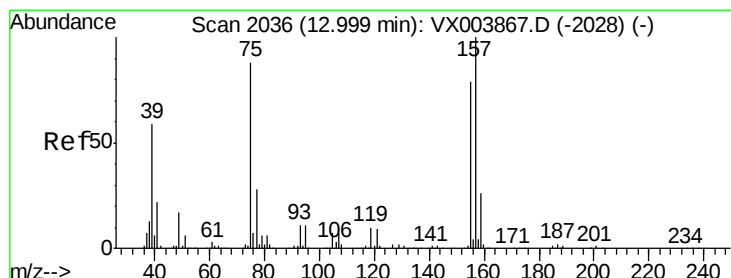
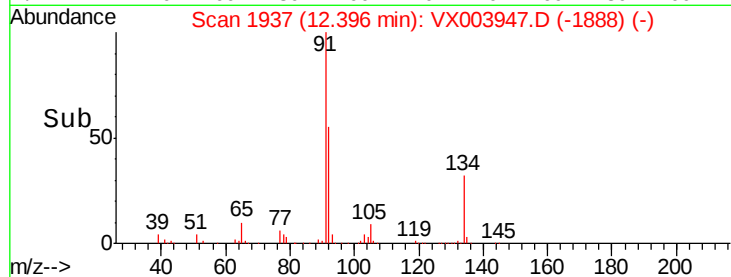
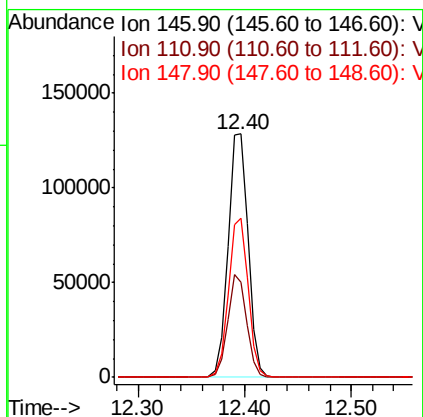
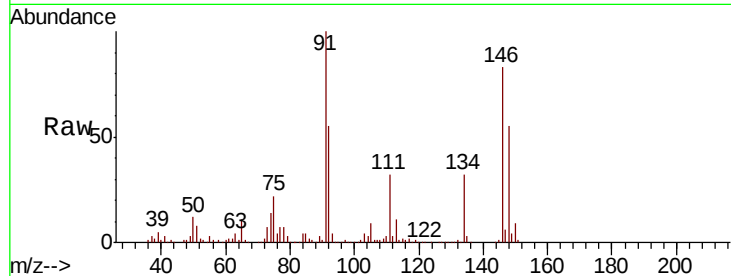
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 17.78 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

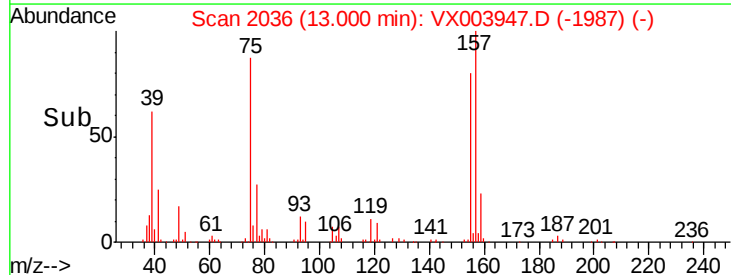
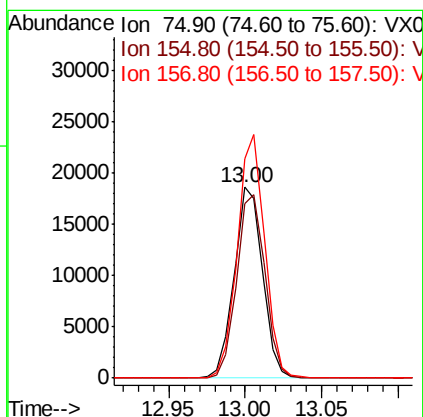
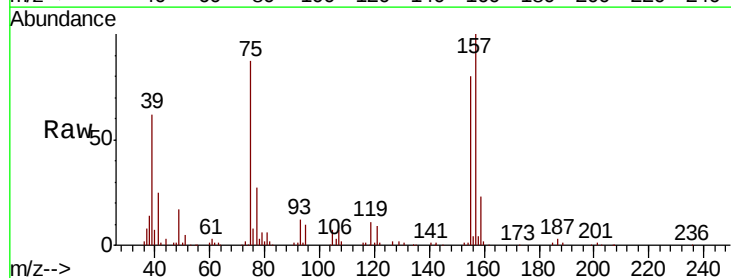
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

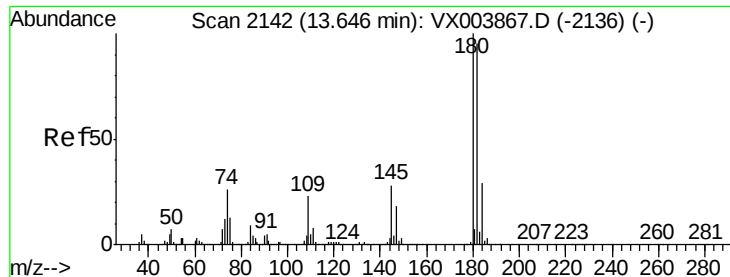
Tot Ion:146 Resp: 170150
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.7 59.0
 148 64.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.37 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion: 75 Resp: 23883
 Ion Ratio Lower Upper
 75 100
 155 96.0 48.7 146.1
 157 122.9 62.6 187.8

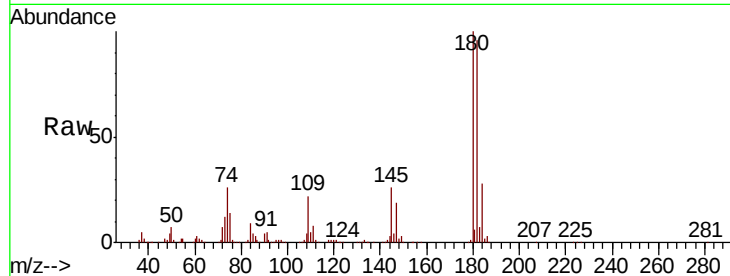




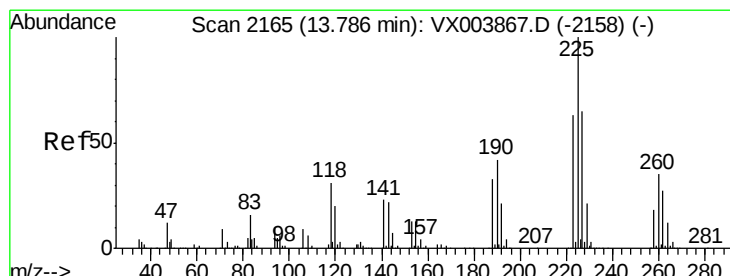
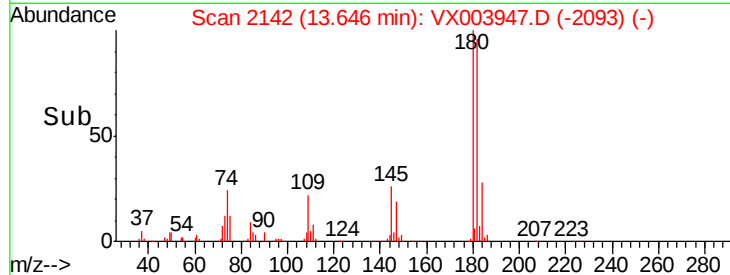
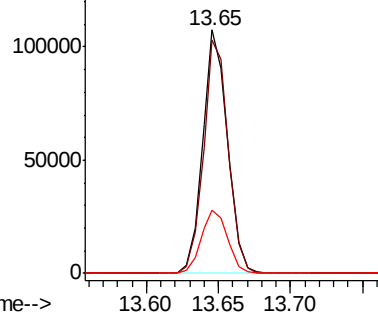
#93
 1,2,4-Trichlorobenzene
 Concen: 18.74 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.7	143.1
145	27.7	13.9	41.6

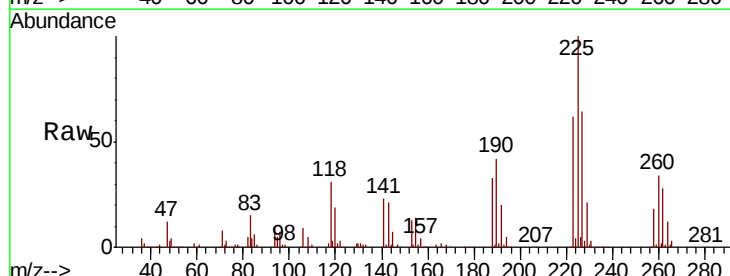


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

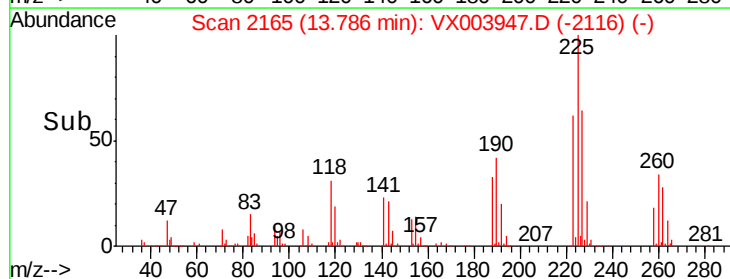
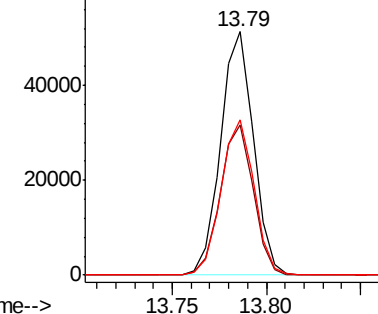


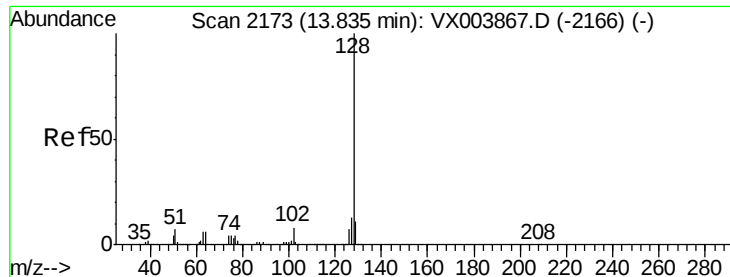
#94
 Hexachlorobutadiene
 Concen: 20.70 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003947.D
 Acq: 09 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.0
227	63.7	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: 21.10 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBSD01

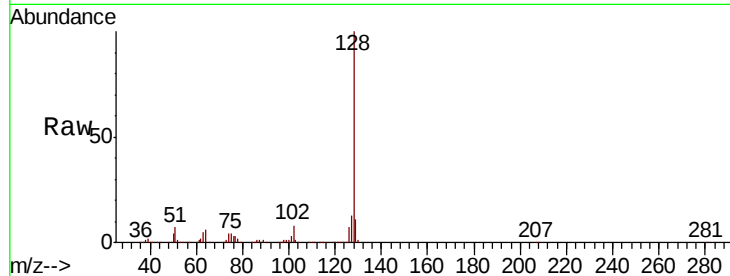
Tot Ion:128 Resp: 416059

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

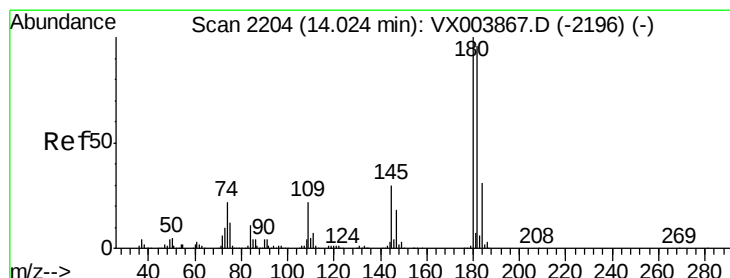
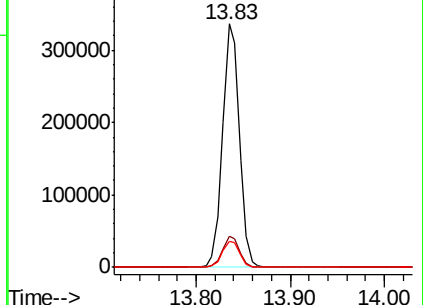
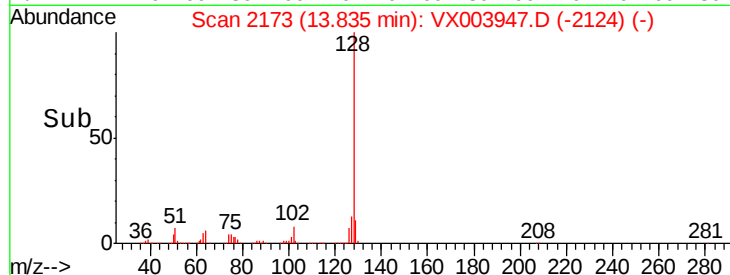
129 10.9 8.8 13.2



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: 20.31 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003947.D

Acq: 09 Aug 2018 13:43

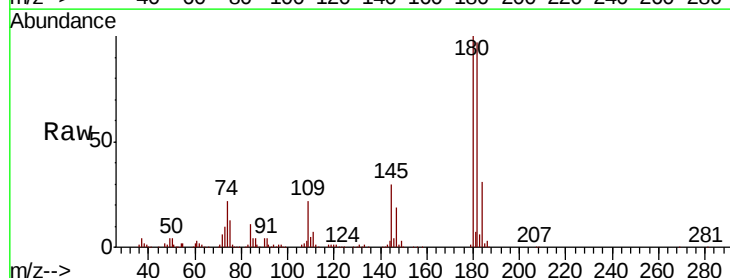
Tgt Ion:180 Resp: 139559

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.4

145 29.6 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

