

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004332.D
 Acq On : 31 Aug 2018 17:53
 Operator : JC/MD
 Sample : VX0831WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

Quant Time: Sep 01 04:31:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	207607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190384	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155019	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
35) Dibromofluoromethane	5.50	113	130642	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
50) Toluene-d8	8.71	98	471047	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	11.14	95	177990	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.19	85	37991	15.80	ug/l	97
3) Chloromethane	1.32	50	54908	20.83	ug/l	100
4) Vinyl Chloride	1.40	62	52559	19.32	ug/l	99
5) Bromomethane	1.64	94	28916	20.36	ug/l	97
6) Chloroethane	1.72	64	37202	18.53	ug/l	99
7) Trichlorofluoromethane	1.92	101	65167	17.48	ug/l	96
8) Diethyl Ether	2.18	74	37995	23.80	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38249	16.38	ug/l	100
10) Methyl Iodide	2.51	142	48646	21.15	ug/l	99
11) Tert butyl alcohol	3.07	59	77458	134.29	ug/l	99
12) 1,1-Dichloroethene	2.37	96	41380	18.81	ug/l	96
13) Acrolein	2.29	56	40408	290.58	ug/l	97
14) Allyl chloride	2.72	41	90910	22.50	ug/l	97
15) Acrylonitrile	3.15	53	184172	128.93	ug/l	99
16) Acetone	2.45	43	155597	137.22	ug/l	98
17) Carbon Disulfide	2.56	76	102439	17.30	ug/l	99
18) Methyl Acetate	2.78	43	128625	32.03	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	174057	24.01	ug/l	98
20) Methylene Chloride	2.86	84	57846	22.21	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	48660	19.99	ug/l	94
22) Diisopropyl ether	3.87	45	177566	23.54	ug/l	99
23) Vinyl Acetate	3.82	43	690931	112.99	ug/l	99
24) 1,1-Dichloroethane	3.69	63	98570	22.42	ug/l	99
25) 2-Butanone	4.70	43	236054	128.81	ug/l	98
26) 2,2-Dichloropropane	4.58	77	69122	20.04	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	60290	21.84	ug/l	98
28) Bromochloromethane	5.01	49	45432	23.34	ug/l	98
29) Tetrahydrofuran	5.16	42	148916	128.09	ug/l	99
30) Chloroform	5.21	83	101439	23.01	ug/l	94
31) Cyclohexane	5.57	56	59698	15.74	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	73496	19.99	ug/l	99
36) 1,1-Dichloropropene	5.79	75	63706	17.70	ug/l	98
37) Ethyl Acetate	4.86	43	81578	23.05	ug/l	100
38) Carbon Tetrachloride	5.78	117	60941	18.00	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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 ClientSampleId :
 VX0831WBS01

Quant Time: Sep 01 04:31:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57267	13.94	ug/l	95
40) Benzene	6.14	78	223994	20.83	ug/l	100
41) Methacrylonitrile	5.06	41	47975	23.38	ug/l	99
42) 1,2-Dichloroethane	6.20	62	80829	22.03	ug/l	100
43) Isopropyl Acetate	6.46	43	120695	22.19	ug/l	99
44) Trichloroethene	7.21	130	56399	18.95	ug/l	98
45) 1,2-Dichloropropane	7.51	63	57816	21.48	ug/l	97
46) Dibromomethane	7.67	93	38533	21.50	ug/l	98
47) Bromodichloromethane	7.90	83	71964	21.58	ug/l	99
48) Methyl methacrylate	7.77	41	64397	22.13	ug/l	99
49) 1,4-Dioxane	7.76	88	33212	502.62	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	448911	113.59	ug/l	99
52) Toluene	8.79	92	138387	20.56	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	75802	20.58	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	85751	21.37	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	61928	22.79	ug/l	99
56) Ethyl methacrylate	9.18	69	80155	21.67	ug/l	99
57) 1,3-Dichloropropane	9.37	76	103475	22.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	227078	119.80	ug/l	99
59) 2-Hexanone	9.50	43	343137	113.81	ug/l	98
60) Dibromochloromethane	9.59	129	57407	21.68	ug/l	99
61) 1,2-Dibromoethane	9.67	107	62726	22.30	ug/l	99
64) Tetrachloroethene	9.34	164	58792	19.78	ug/l	97
65) Chlorobenzene	10.14	112	152749	20.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	55830	21.44	ug/l	98
67) Ethyl Benzene	10.25	91	241908	19.73	ug/l	92
68) m/p-Xylenes	10.36	106	183922	38.36	ug/l	94
69) o-Xylene	10.70	106	96636	21.31	ug/l	97
70) Styrene	10.71	104	154088	20.98	ug/l	97
71) Bromoform	10.86	173	43835	20.88	ug/l #	99
73) Isopropylbenzene	11.02	105	247867	19.82	ug/l	100
74) N-amyl acetate	10.90	43	98172	20.39	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	94901	21.69	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	104652	27.03	ug/l	87
77) Bromobenzene	11.26	156	72210	20.59	ug/l	98
78) n-propylbenzene	11.36	91	277479	19.29	ug/l	100
79) 2-Chlorotoluene	11.42	91	178852	20.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	208567	20.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23284	19.51	ug/l	93
82) 4-Chlorotoluene	11.51	91	208972	20.06	ug/l	100
83) tert-Butylbenzene	11.77	119	198809	19.08	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	220537	20.75	ug/l	100
85) sec-Butylbenzene	11.94	105	235720	19.06	ug/l	99
86) p-Isopropyltoluene	12.07	119	213725	19.28	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131537	19.92	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	134138	19.26	ug/l	98
89) n-Butylbenzene	12.39	91	162232	18.00	ug/l	97
90) Hexachloroethane	12.60	117	28861	18.63	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	127139	21.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16339	21.20	ug/l	98

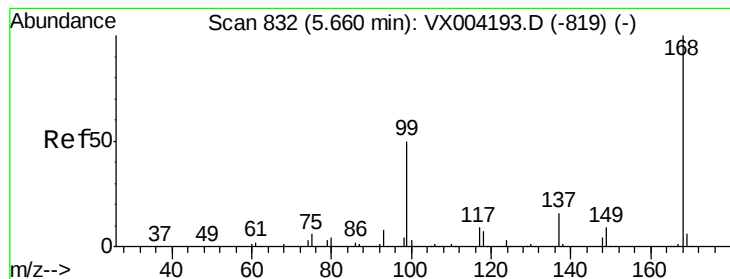
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
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Quant Time: Sep 01 04:31:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	84999	19.35	ug/l	98
94) Hexachlorobutadiene	13.79	225	37346	18.19	ug/l	98
95) Naphthalene	13.83	128	266100	21.42	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94181	20.26	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

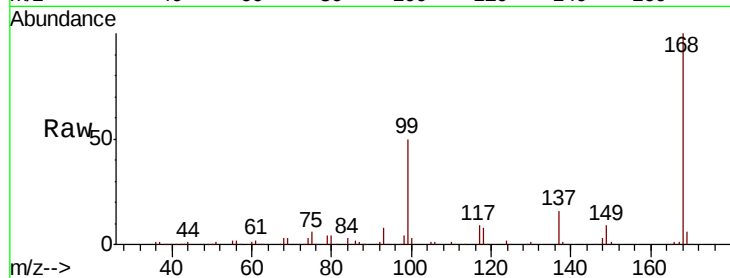
VX0831WBS01

Tot Ion:168 Resp: 207607

Ion Ratio Lower Upper

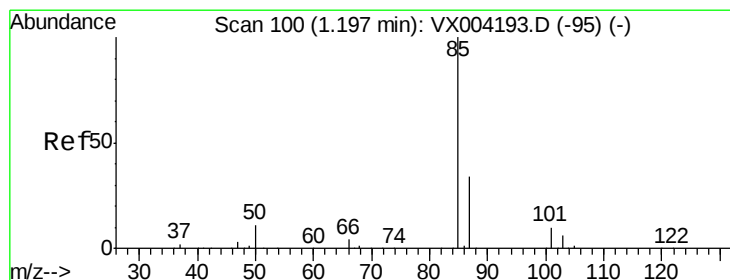
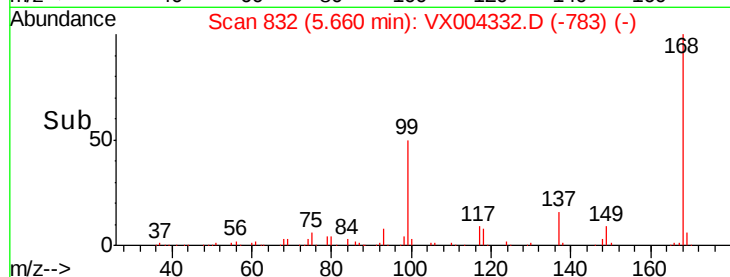
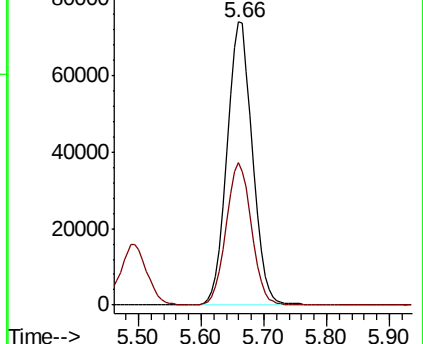
168 100

99 50.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.80 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004332.D

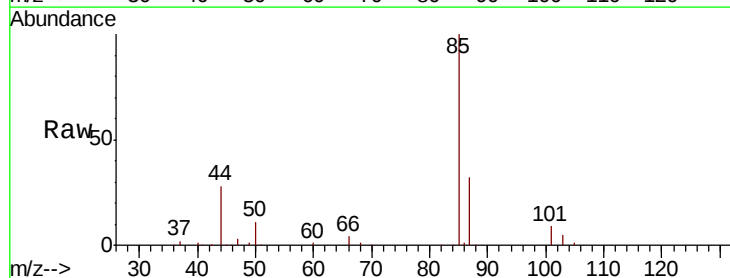
Acq: 31 Aug 2018 17:53

Tgt Ion: 85 Resp: 37991

Ion Ratio Lower Upper

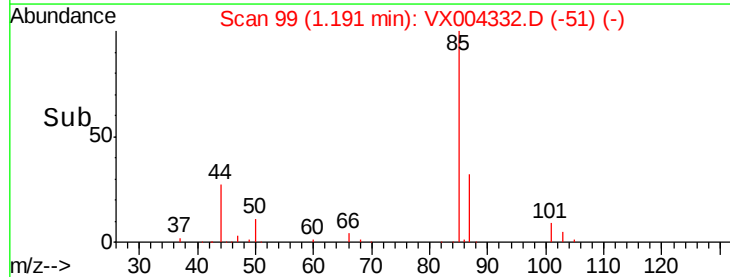
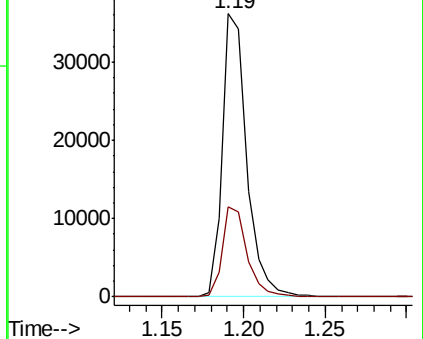
85 100

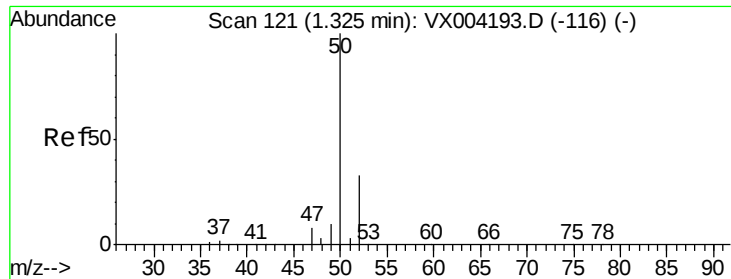
87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.83 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

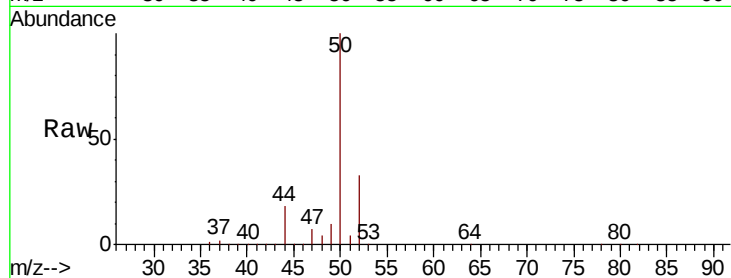
VX0831WBS01

Tot Ion: 50 Resp: 54908

Ion Ratio Lower Upper

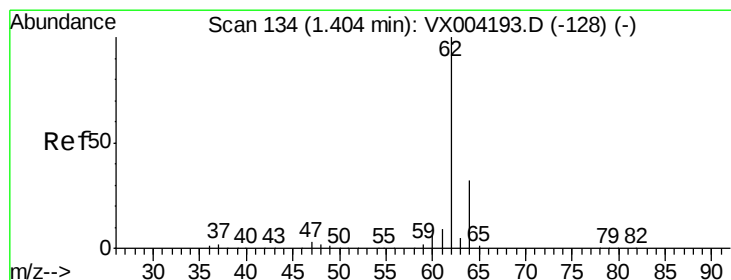
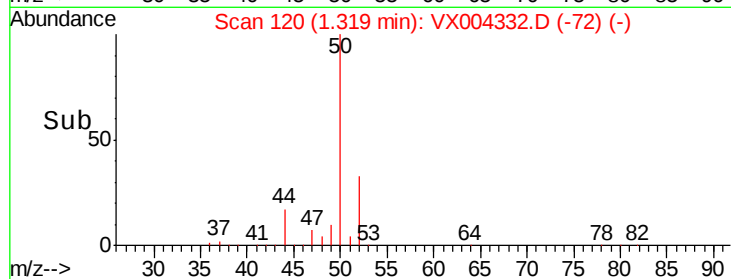
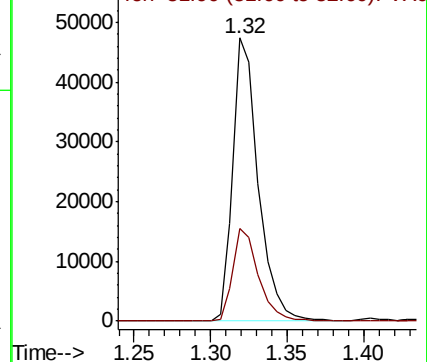
50 100

52 32.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004332.D

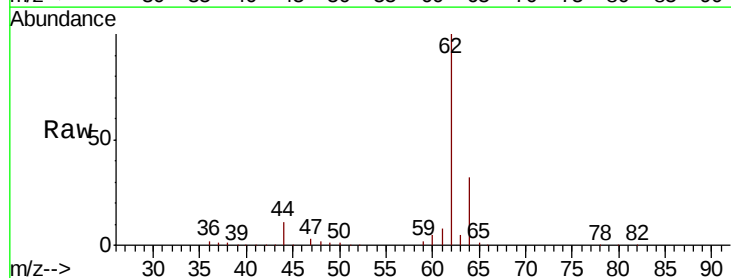
Acq: 31 Aug 2018 17:53

Tgt Ion: 62 Resp: 52559

Ion Ratio Lower Upper

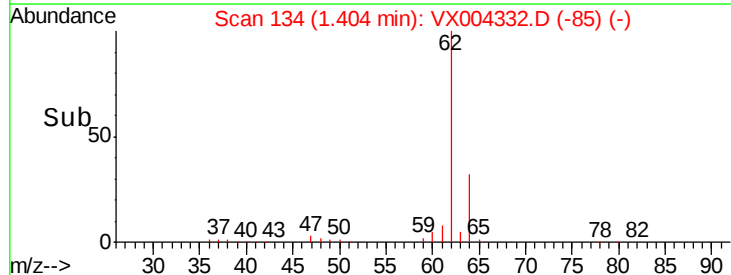
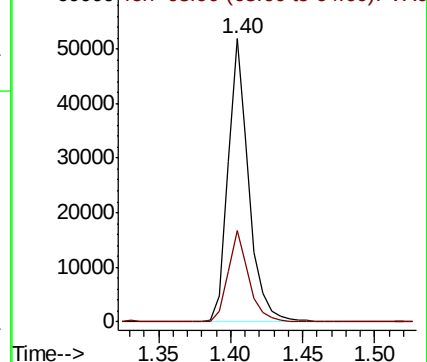
62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

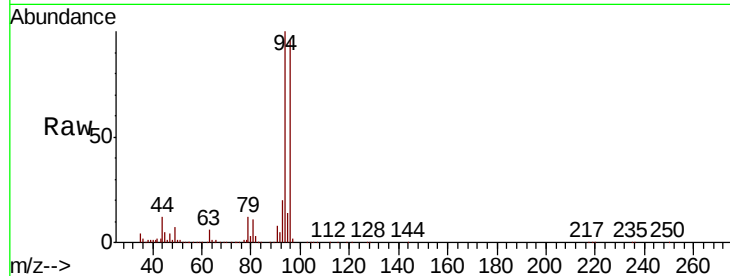
VX0831WBS01

Tot Ion: 94 Resp: 28916

Ion Ratio Lower Upper

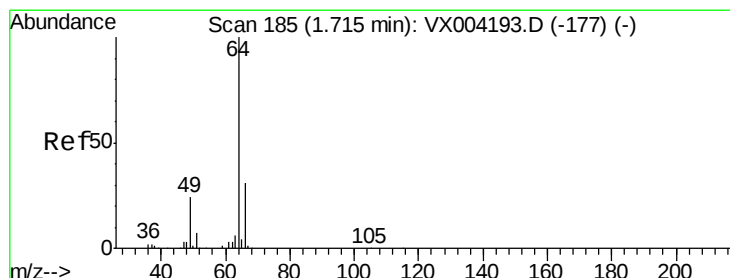
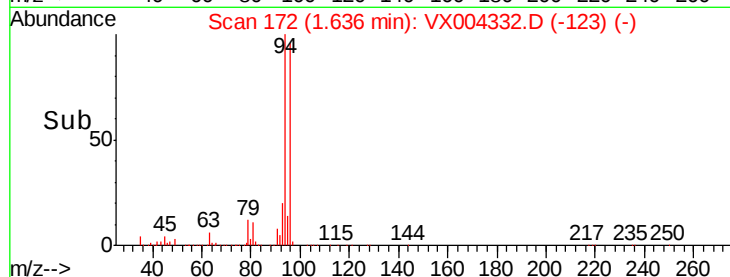
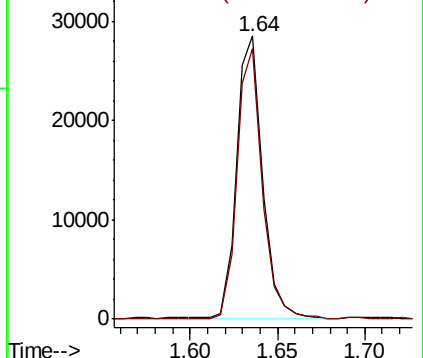
94 100

96 96.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.53 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004332.D

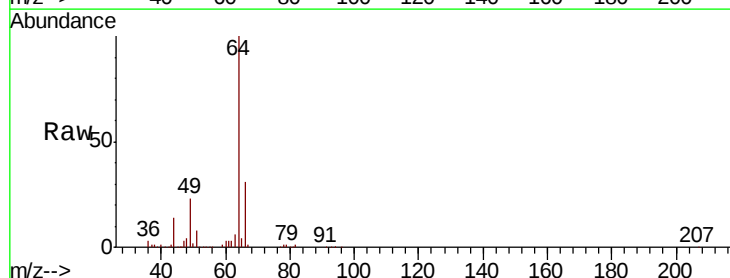
Acq: 31 Aug 2018 17:53

Tgt Ion: 64 Resp: 37202

Ion Ratio Lower Upper

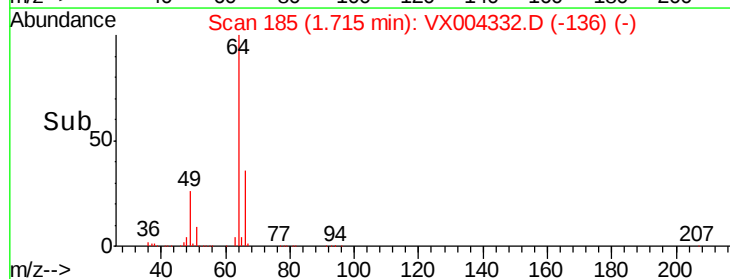
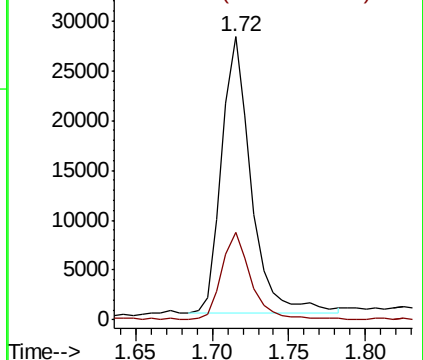
64 100

66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



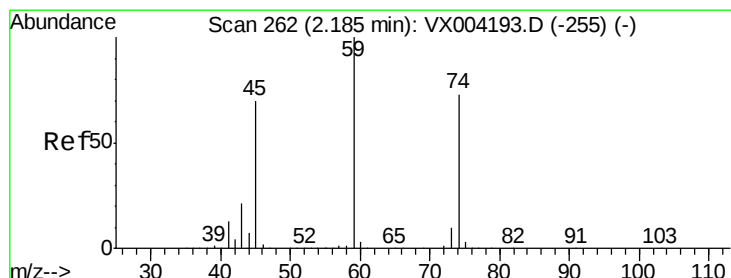
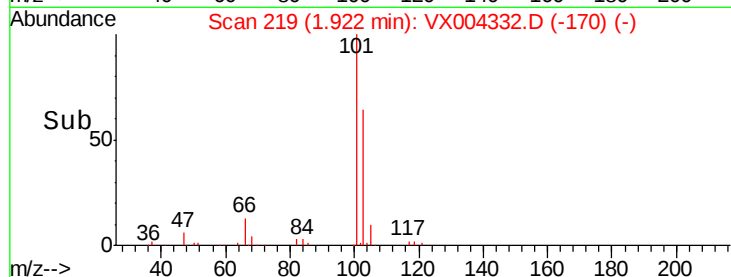
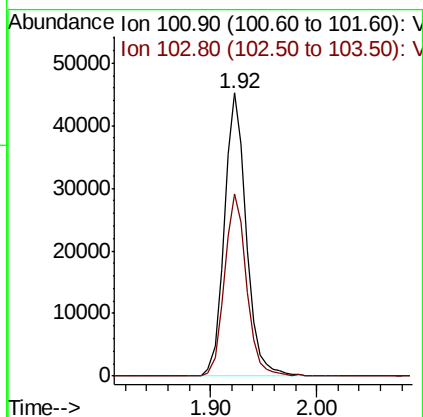
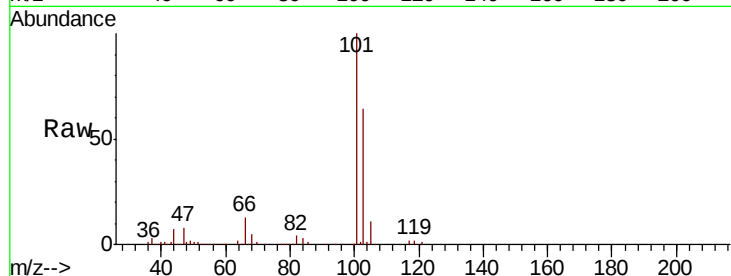


#7

Trichlorofluoromethane
 Concen: 17.48 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

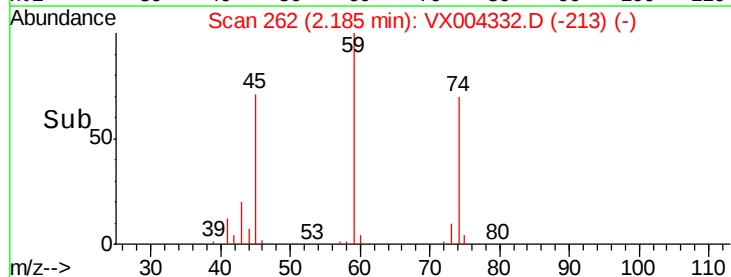
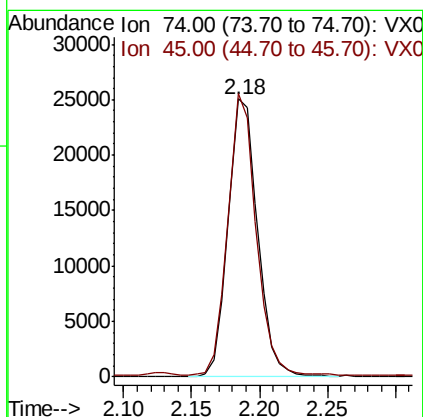
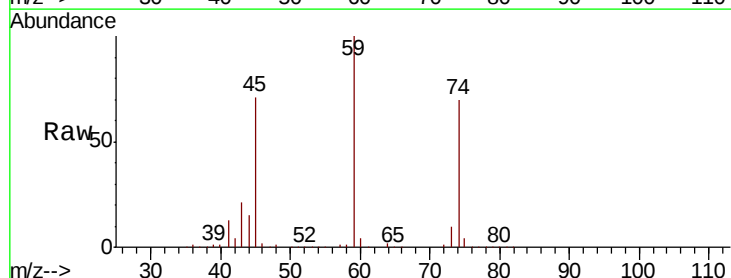
Tot Ion:101 Resp: 65167
 Ion Ratio Lower Upper
 101 100
 103 64.5 48.9 73.3

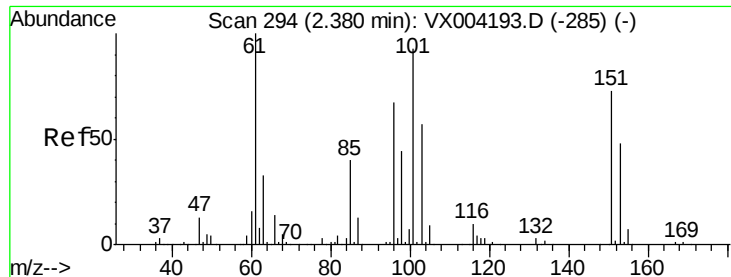


#8

Diethyl Ether
 Concen: 23.80 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion: 74 Resp: 37995
 Ion Ratio Lower Upper
 74 100
 45 96.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.38 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

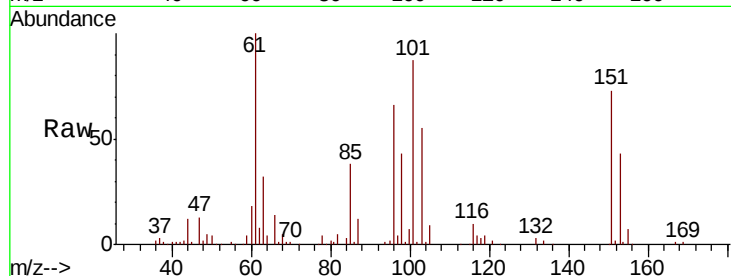
Tot Ion:101 Resp: 38249

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

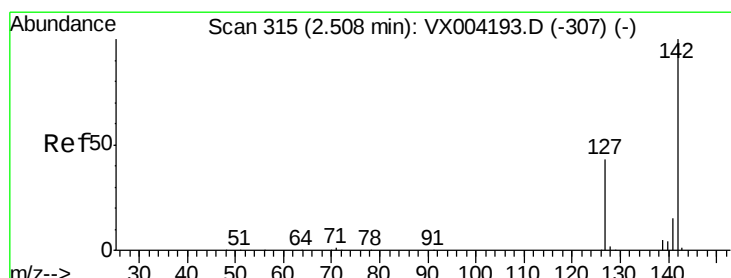
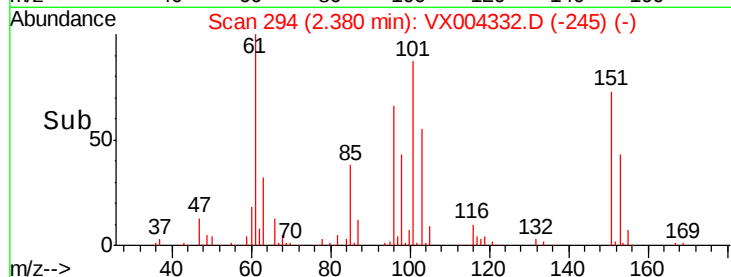
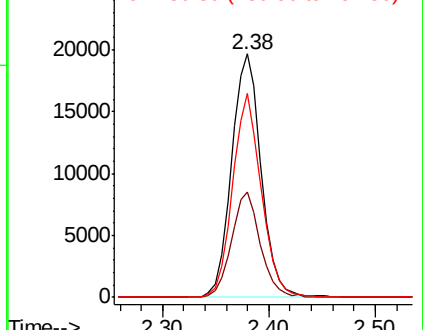
151 81.4 65.0 97.6



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: 21.15 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

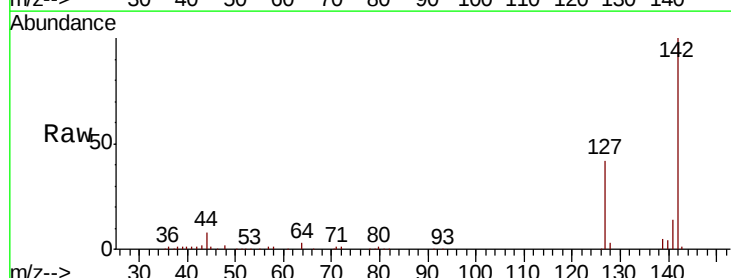
Tgt Ion:142 Resp: 48646

Ion Ratio Lower Upper

142 100

127 41.8 33.8 50.6

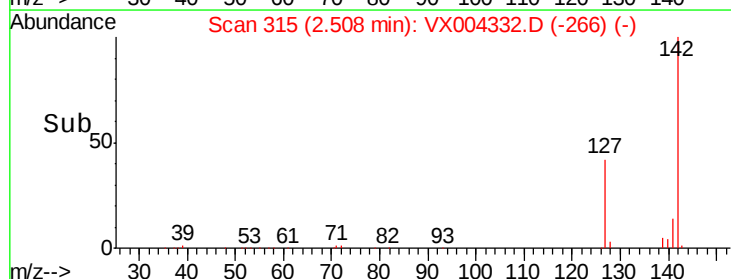
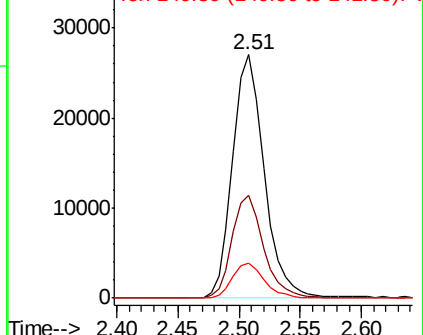
141 14.6 11.4 17.0

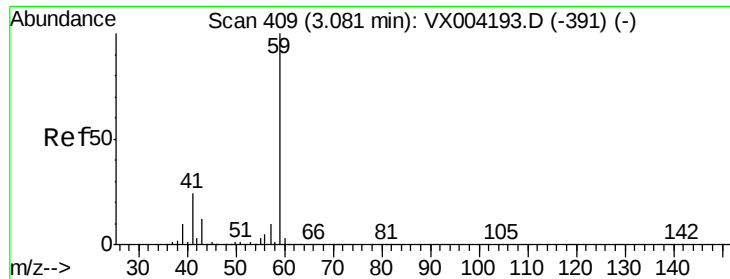


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 134.29 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

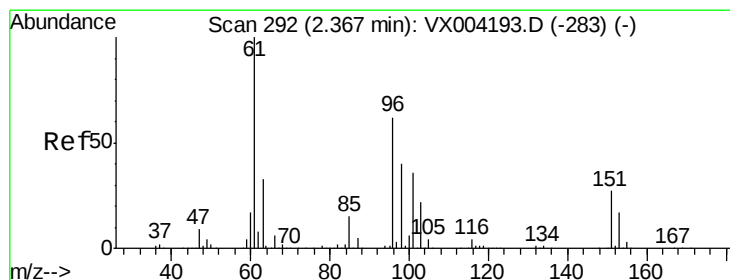
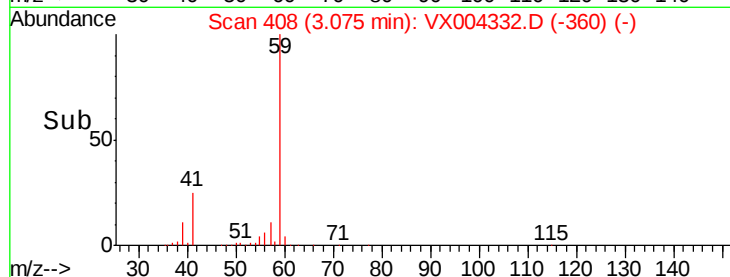
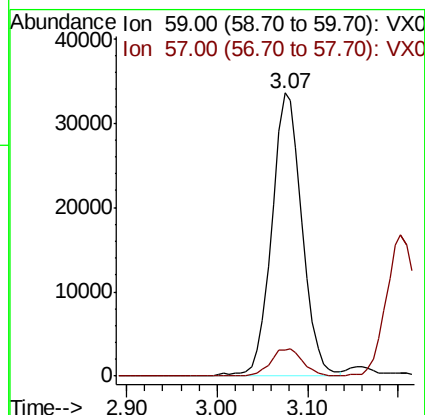
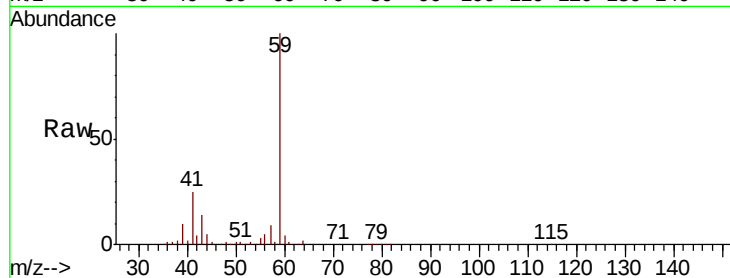
VX0831WBS01

Tot Ion: 59 Resp: 77458

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.4



#12

1,1-Dichloroethene

Concen: 18.81 ug/l

RT: 2.37 min Scan# 292

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

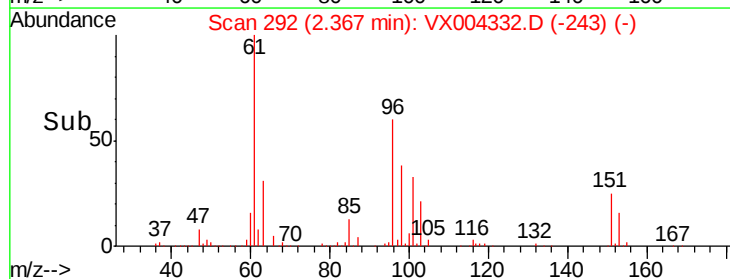
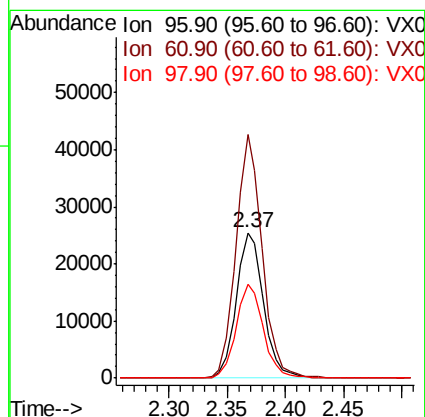
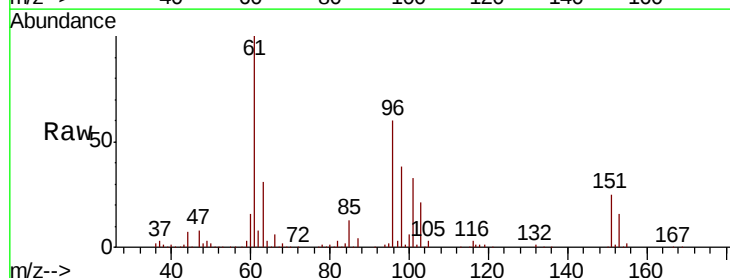
Tgt Ion: 96 Resp: 41380

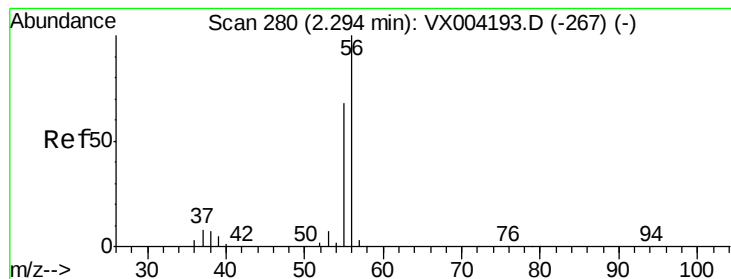
Ion Ratio Lower Upper

96 100

61 167.6 128.8 193.2

98 64.5 52.2 78.2





#13

Acrolein

Concen: 290.58 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

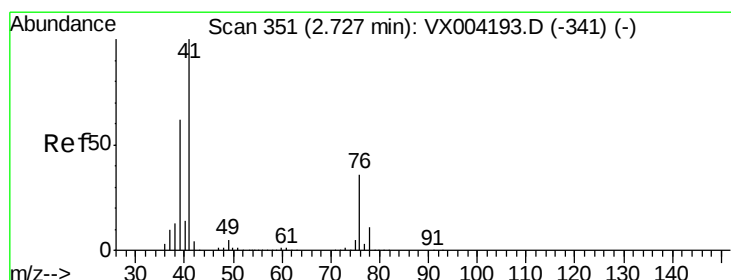
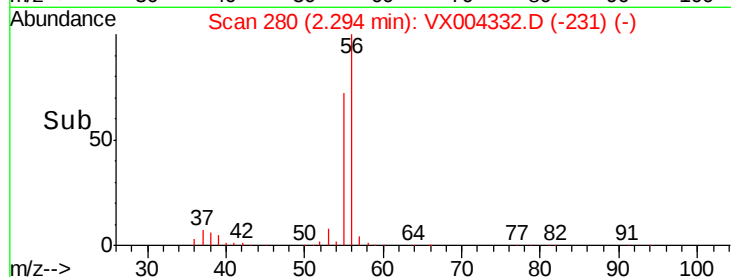
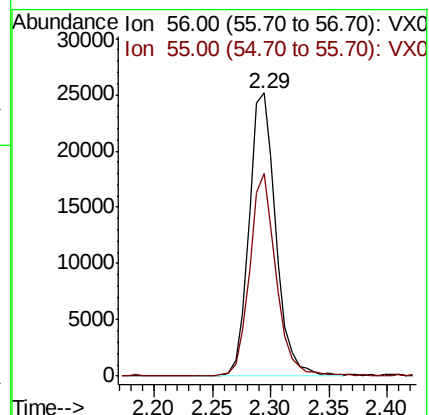
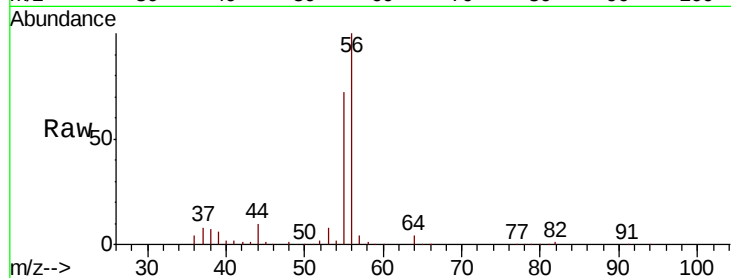
VX0831WBS01

Tot Ion: 56 Resp: 40408

Ion Ratio Lower Upper

56 100

55 70.9 54.7 82.1



#14

Allyl chloride

Concen: 22.50 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

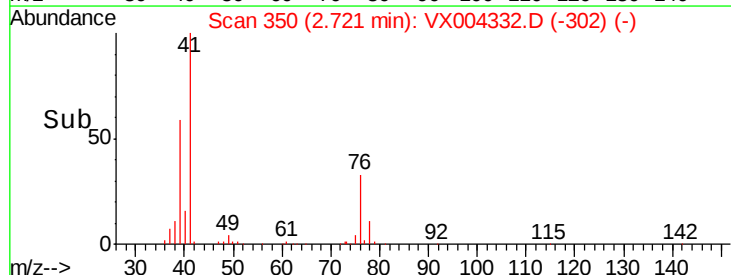
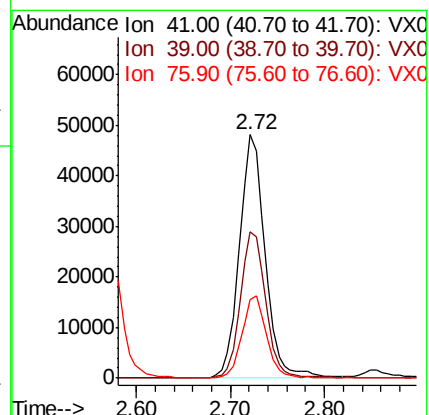
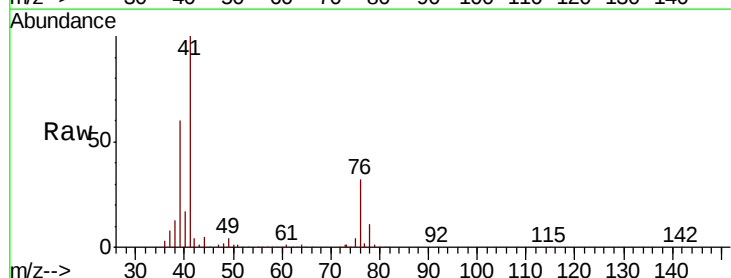
Tgt Ion: 41 Resp: 90910

Ion Ratio Lower Upper

41 100

39 58.5 48.9 73.3

76 31.7 26.7 40.1





#15

Acrylonitrile

Concen: 128.93 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

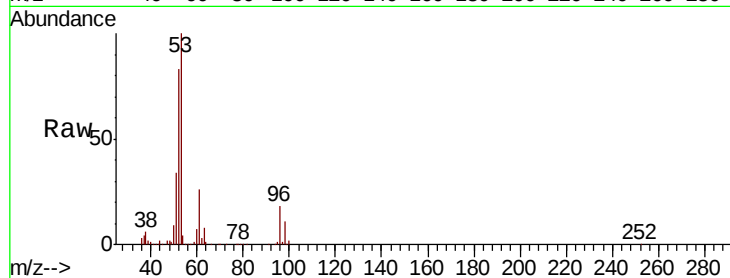
Tot Ion: 53 Resp: 184172

Ion Ratio Lower Upper

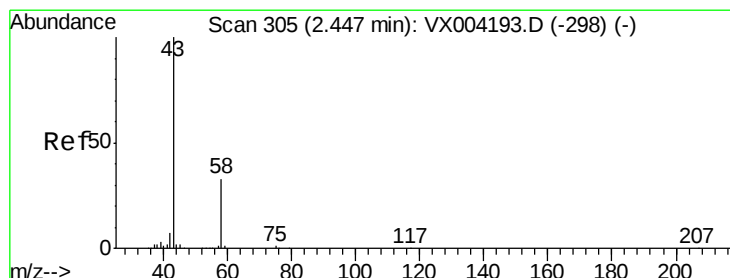
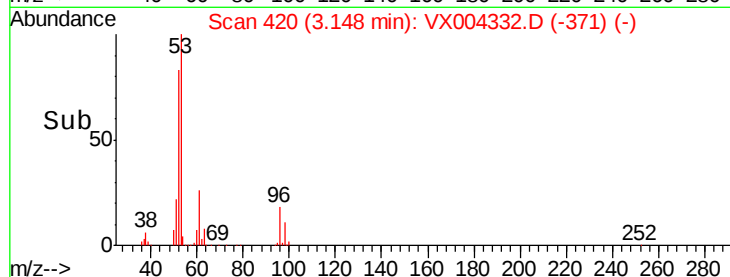
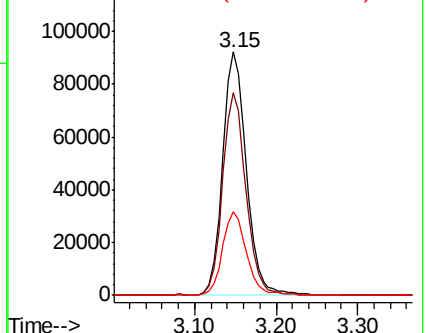
53 100

52 82.1 65.2 97.8

51 34.6 28.2 42.2



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: 137.22 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004332.D

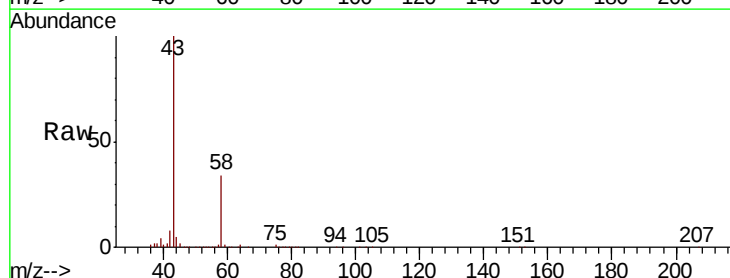
Acq: 31 Aug 2018 17:53

Tgt Ion: 43 Resp: 155597

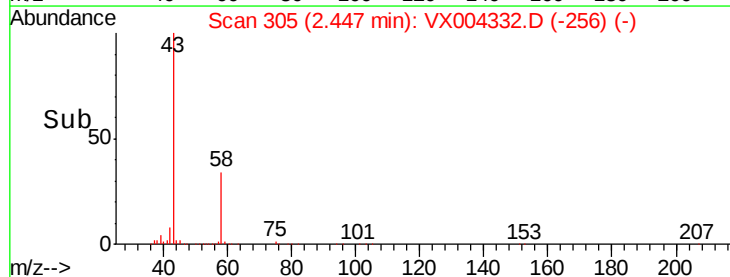
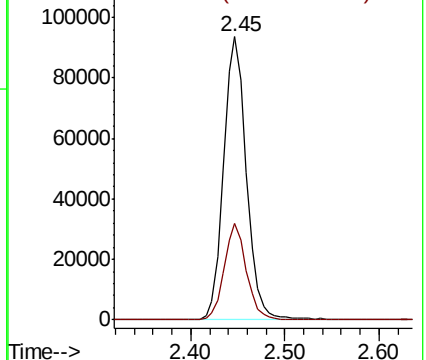
Ion Ratio Lower Upper

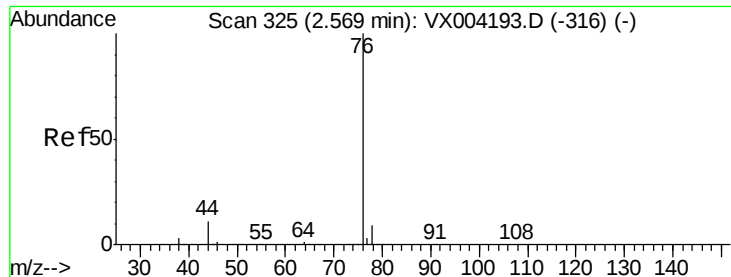
43 100

58 34.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.30 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

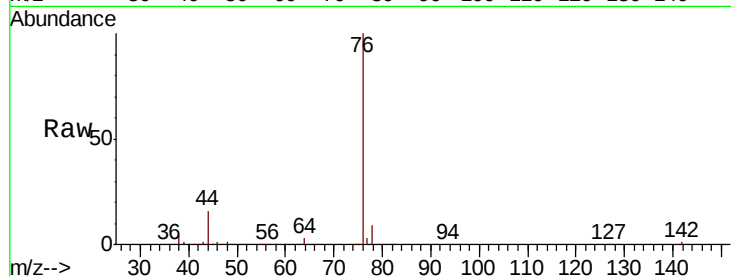
VX0831WBS01

Tot Ion: 76 Resp: 102439

Ion Ratio Lower Upper

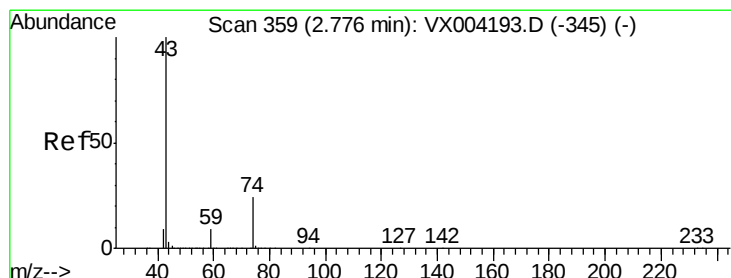
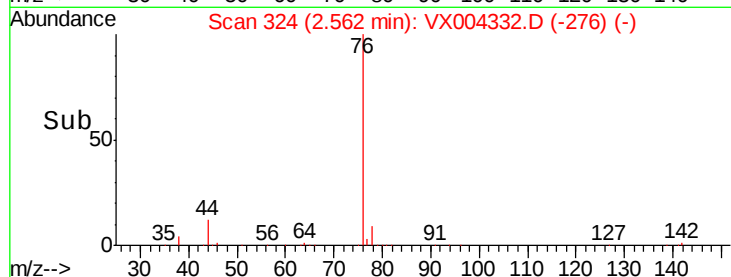
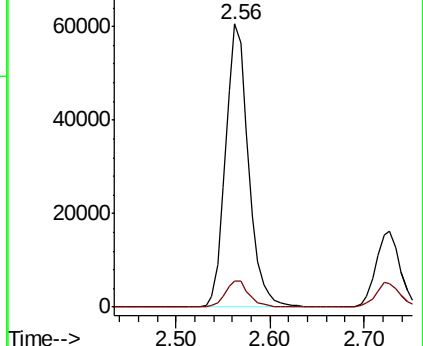
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 32.03 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX004332.D

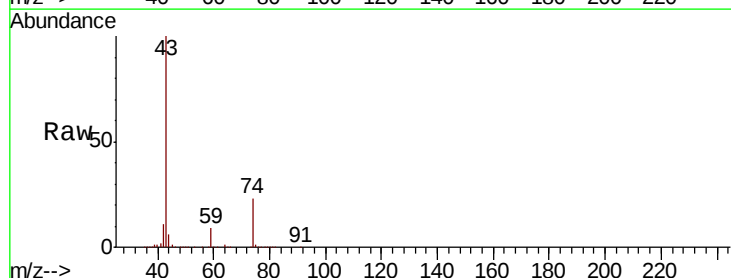
Acq: 31 Aug 2018 17:53

Tgt Ion: 43 Resp: 128625

Ion Ratio Lower Upper

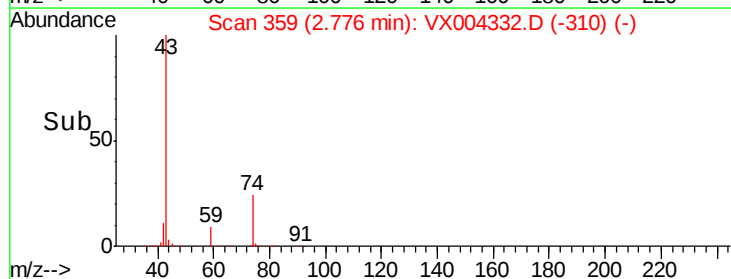
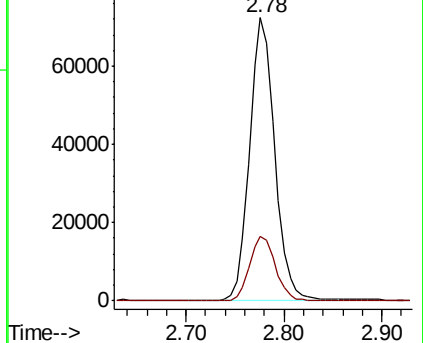
43 100

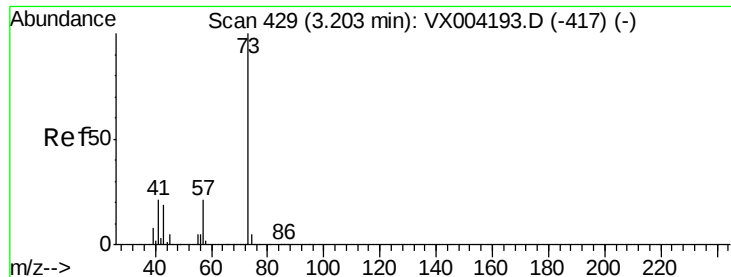
74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

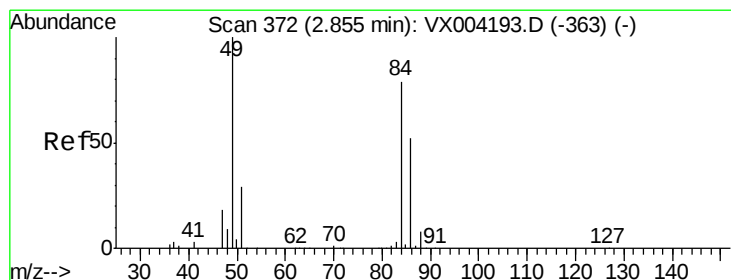
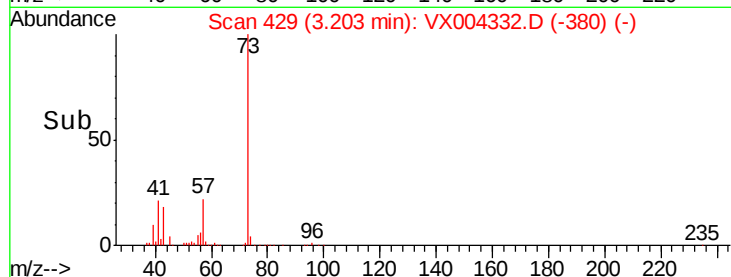
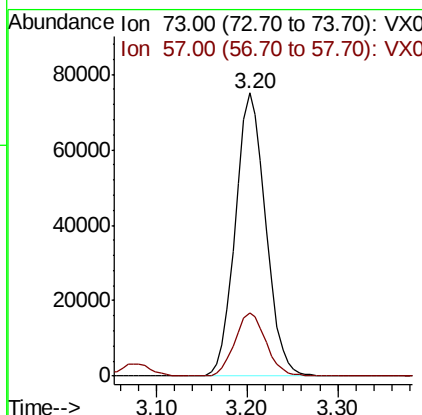
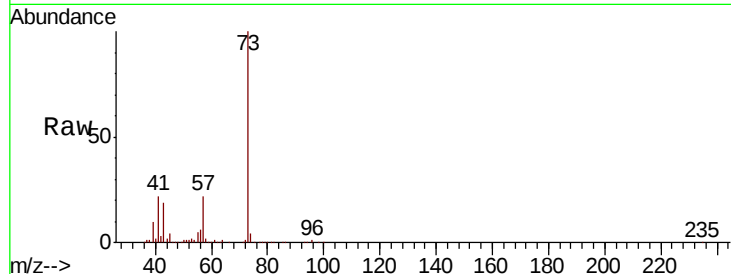




#19
Methvl tert-butvl Ether
Concen: 24.01 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

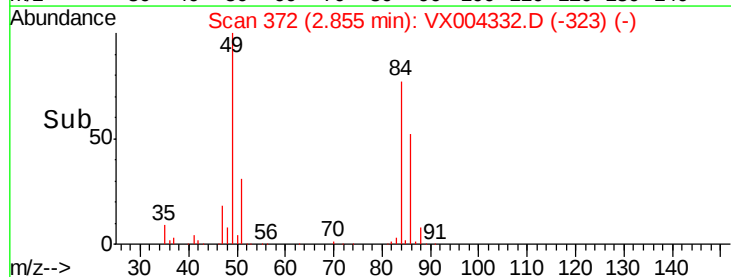
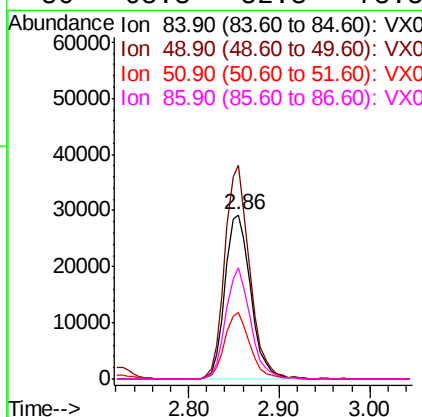
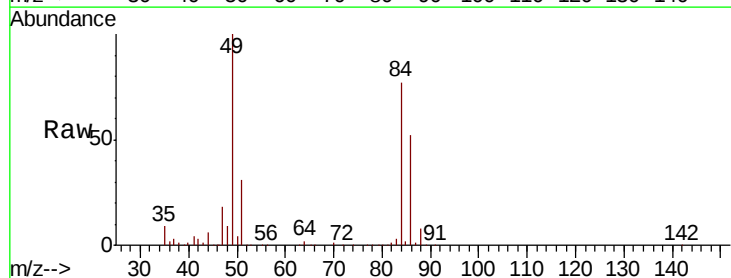
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS01

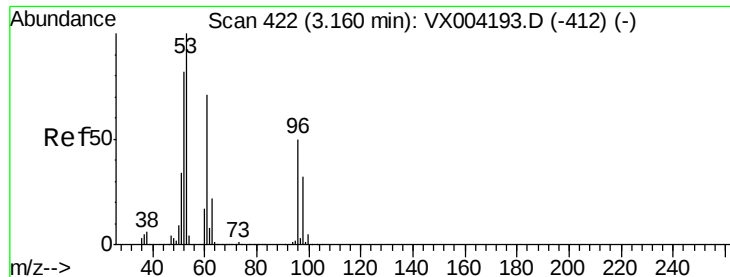
Tot Ion: 73 Resp: 174057
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7



#20
Methylene Chloride
Concen: 22.21 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion: 84 Resp: 57846
Ion Ratio Lower Upper
84 100
49 130.4 101.2 151.8
51 40.9 29.5 44.3
86 68.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.99 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

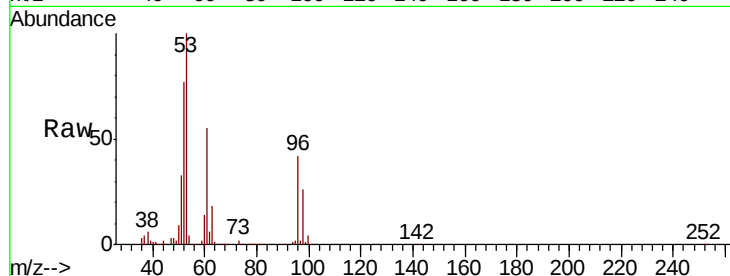
Tot Ion: 96 Resp: 48660

Ion Ratio Lower Upper

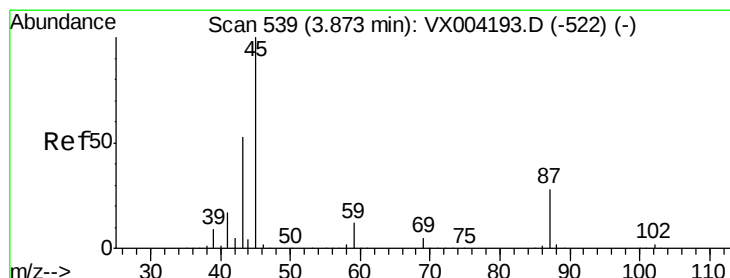
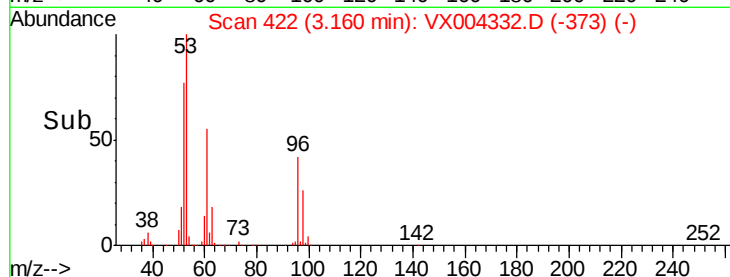
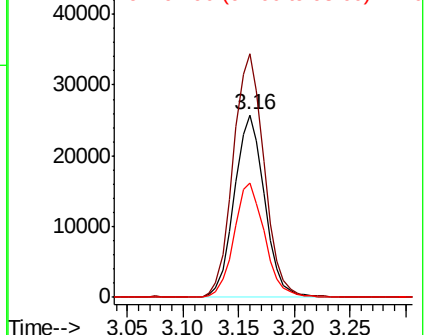
96 100

61 133.2 113.8 170.6

98 62.5 51.8 77.8



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



#22

Diisopropyl ether

Concen: 23.54 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Tgt Ion: 45 Resp: 177566

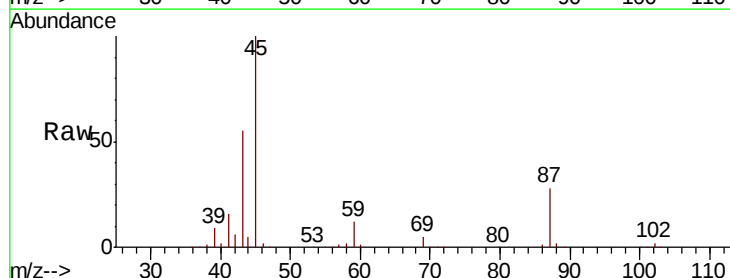
Ion Ratio Lower Upper

45 100

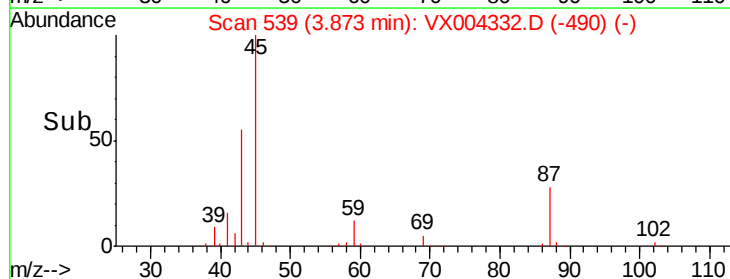
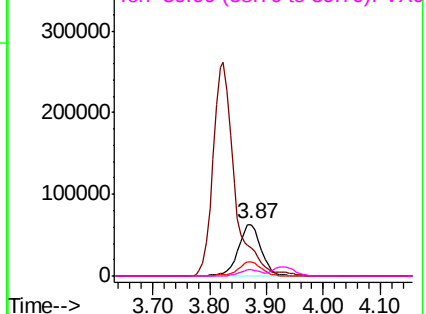
43 54.9 42.8 64.2

87 28.4 22.6 34.0

59 12.1 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: 112.99 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

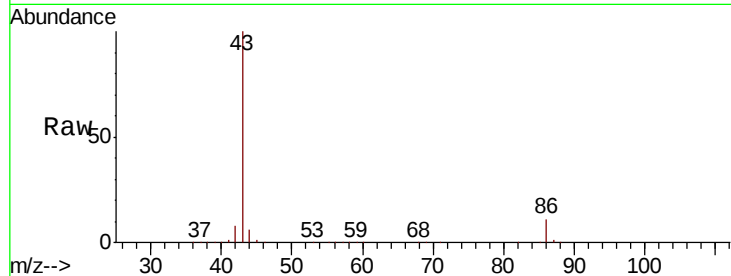
VX0831WBS01

Tot Ion: 43 Resp: 690931

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

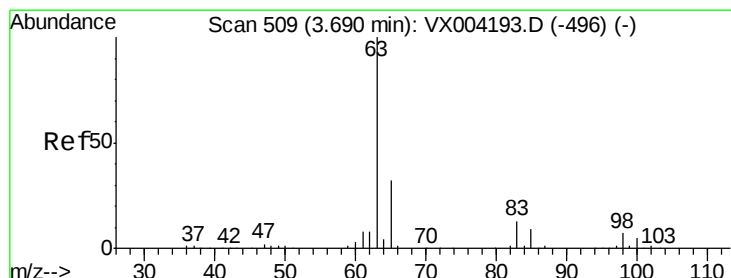
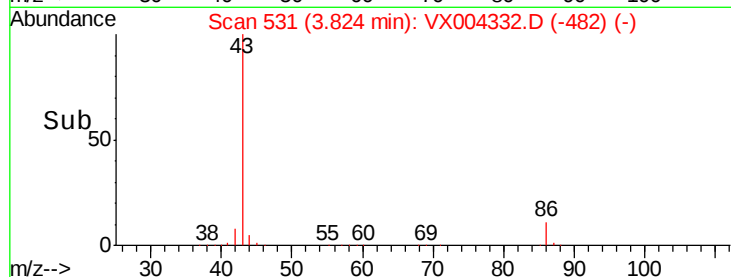
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 22.42 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

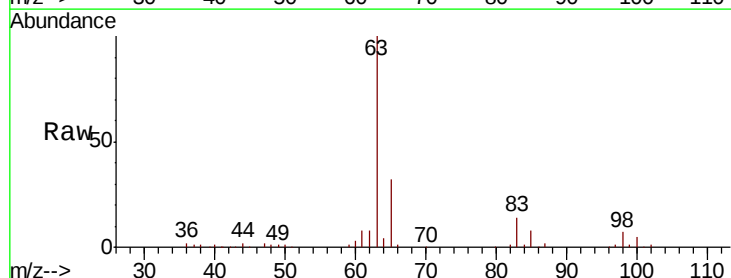
Tgt Ion: 63 Resp: 98570

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

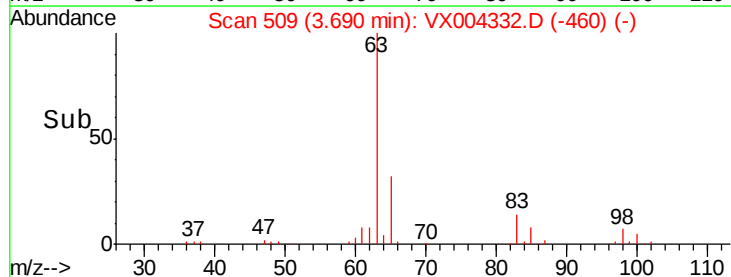
20000

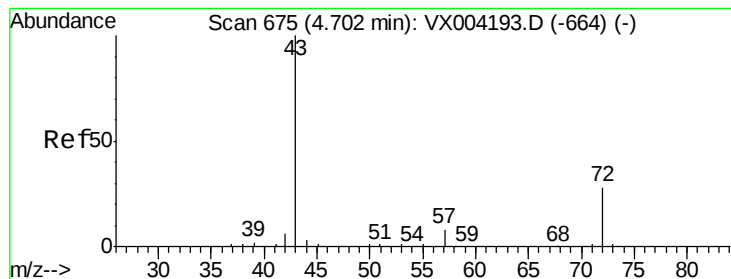
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 128.81 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

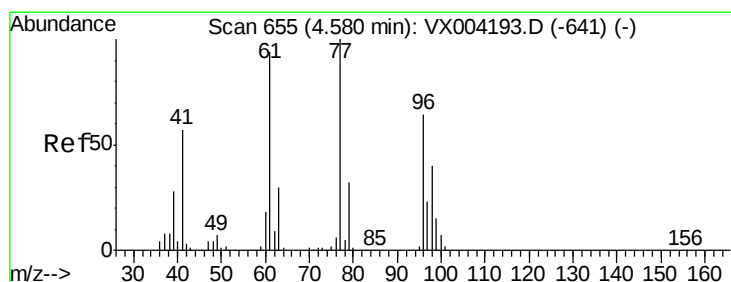
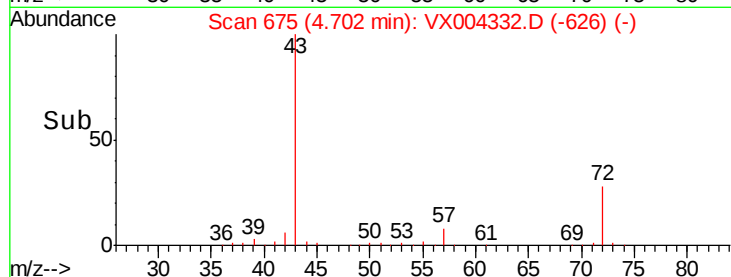
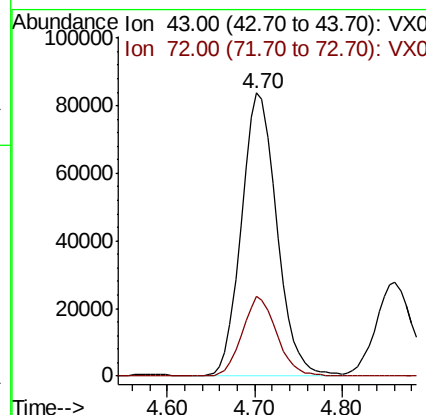
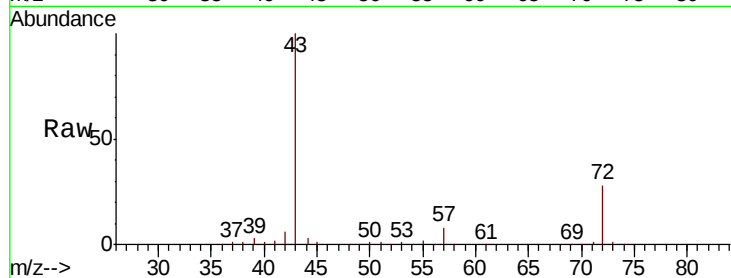
VX0831WBS01

Tot Ion: 43 Resp: 236054

Ion Ratio Lower Upper

43 100

72 28.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.04 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004332.D

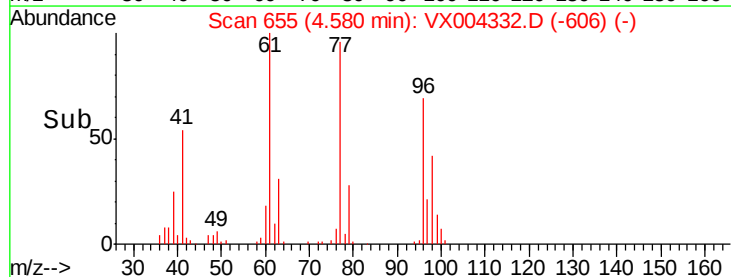
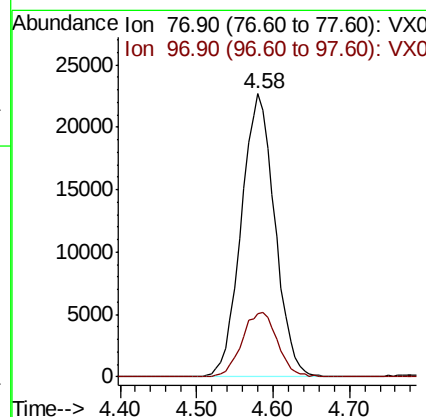
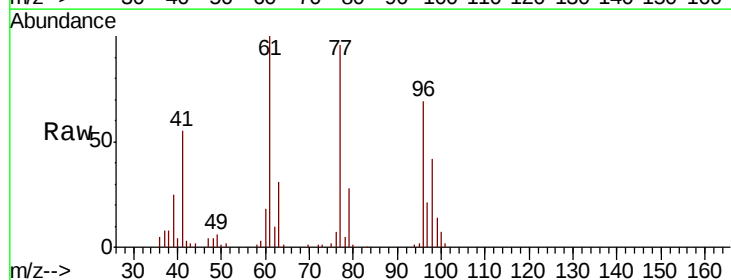
Acq: 31 Aug 2018 17:53

Tgt Ion: 77 Resp: 69122

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0



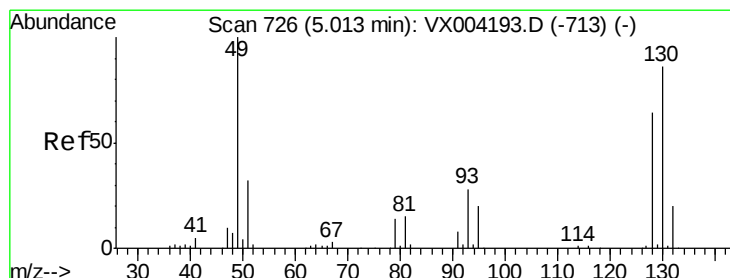
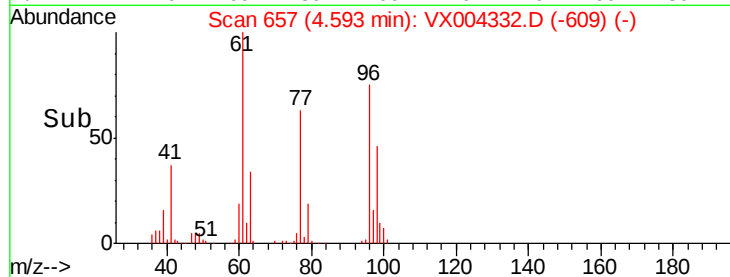
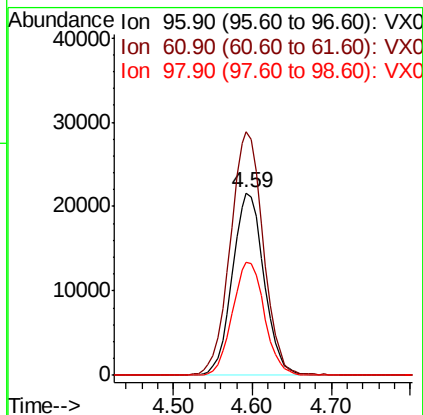
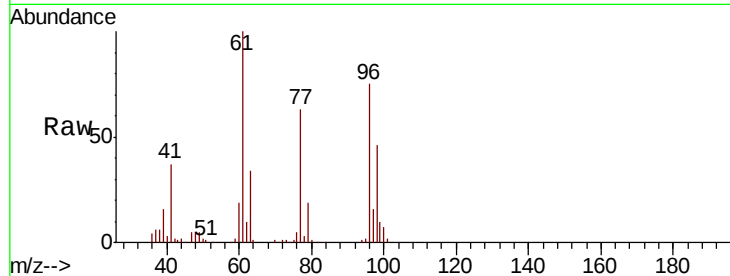


#27

cis-1,2-Dichloroethene
 Concen: 21.84 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

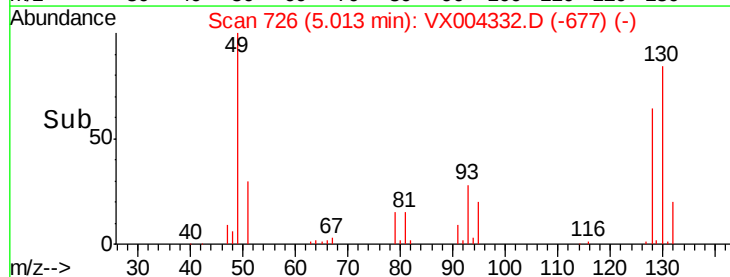
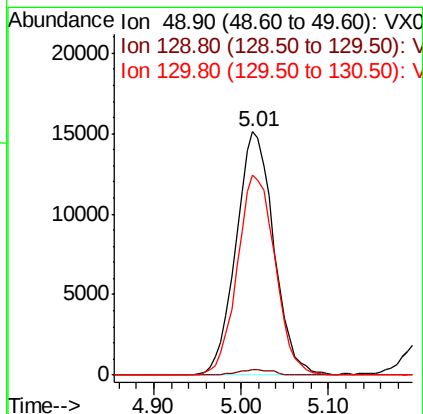
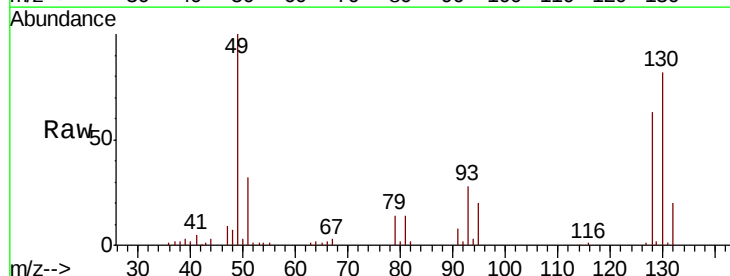
Tot Ion	96	Resp	60290
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	282.6
98	63.0	0.0	130.2

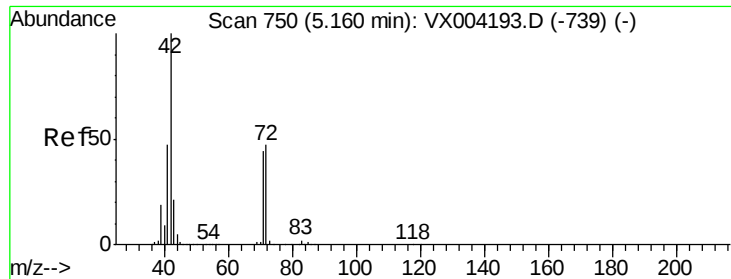


#28

Bromochloromethane
 Concen: 23.34 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion	49	Resp	45432
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.3	67.5	101.3

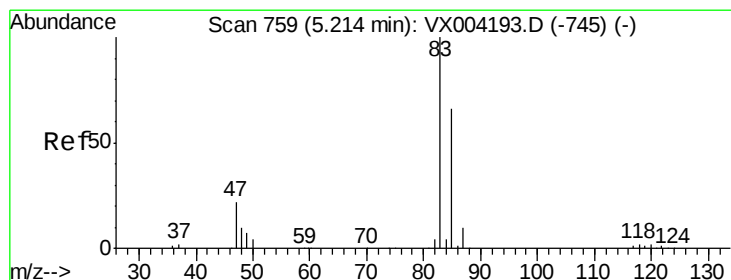
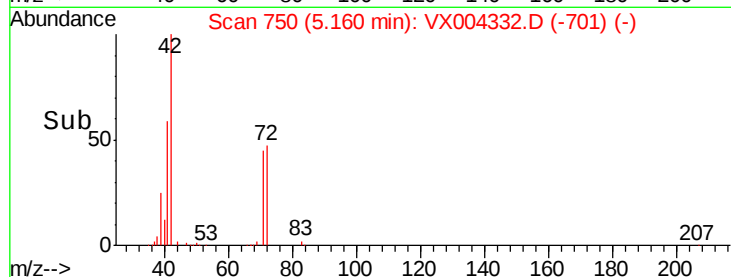
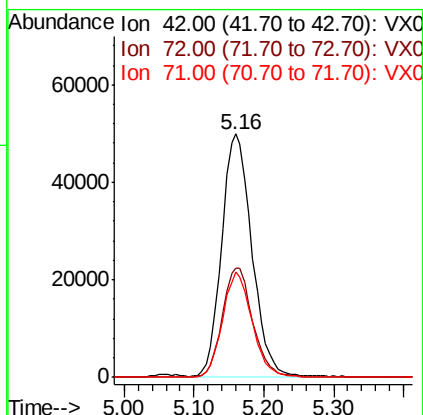
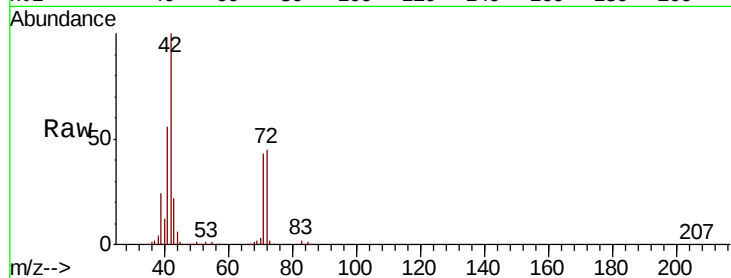




#29
Tetrahydrofuran
Concen: 128.09 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

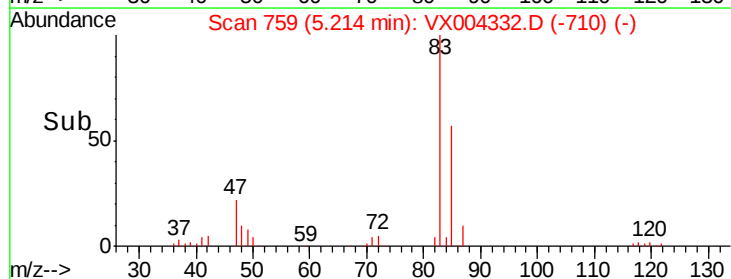
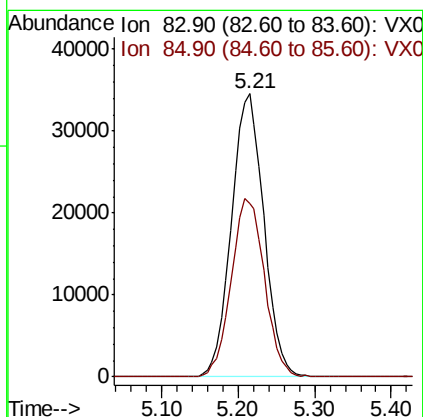
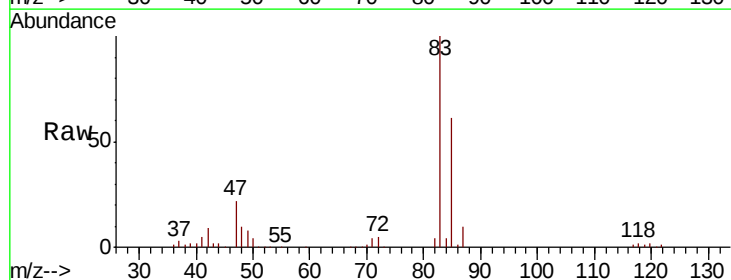
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS01

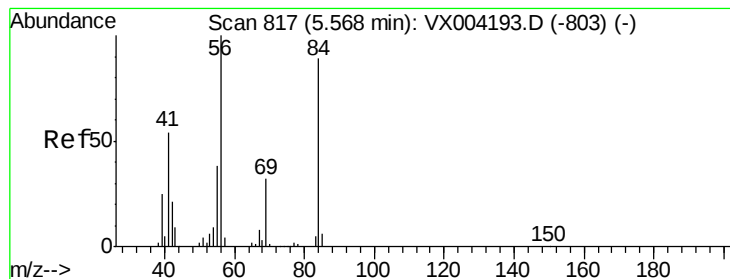
Tot Ion: 42 Resp: 148916
Ion Ratio Lower Upper
42 100
72 45.6 37.4 56.0
71 42.4 34.5 51.7



#30
Chloroform
Concen: 23.01 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion: 83 Resp: 101439
Ion Ratio Lower Upper
83 100
85 61.1 52.6 79.0





#31

Cyclohexane

Concen: 15.74 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

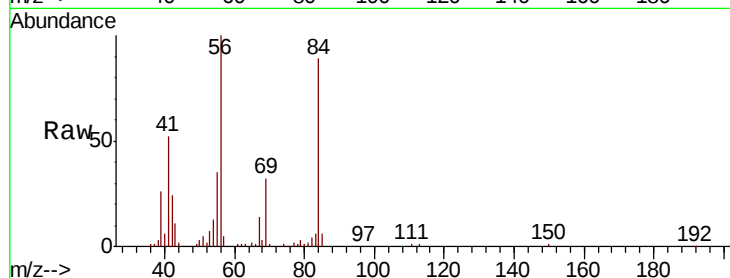
Tot Ion: 56 Resp: 59698

Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.2

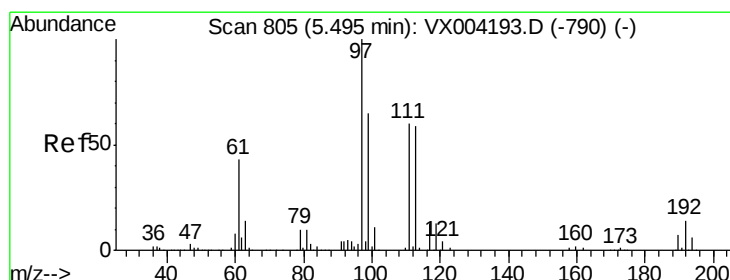
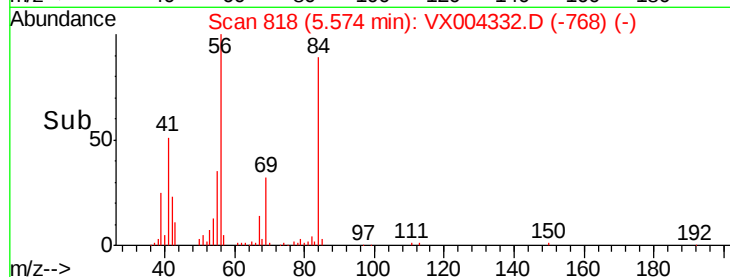
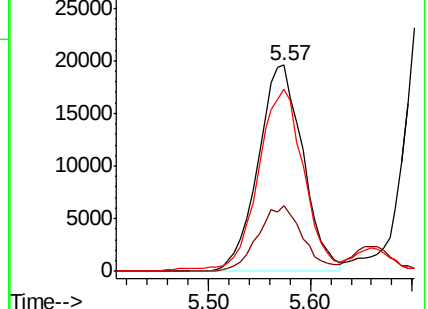
84 87.0 71.4 107.2



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: 19.99 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

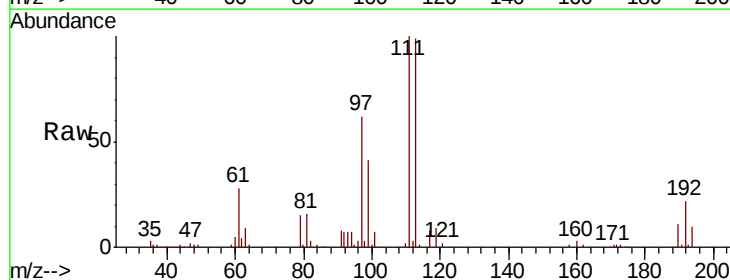
Tgt Ion: 97 Resp: 73496

Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

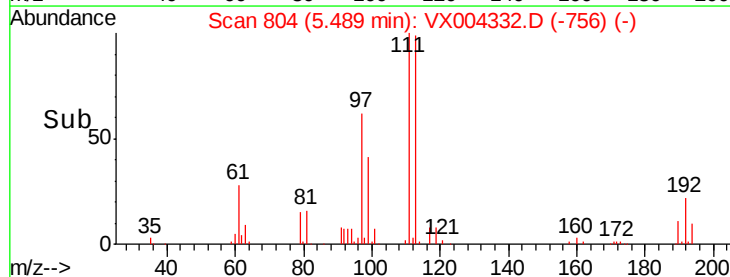
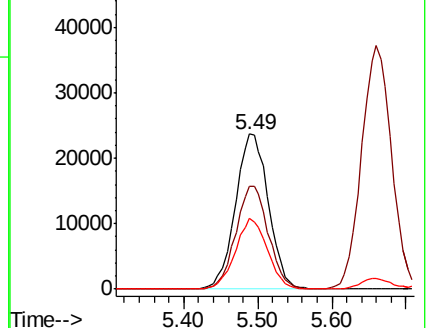
61 44.5 34.9 52.3

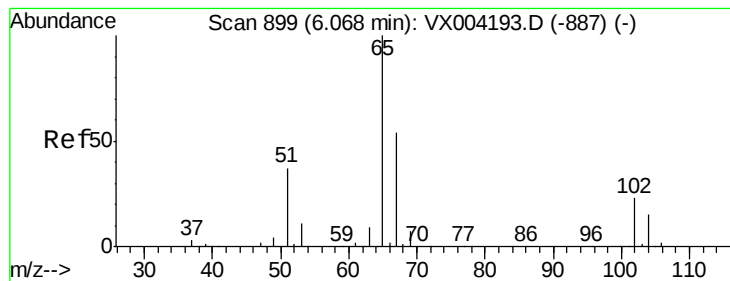


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 57.29 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

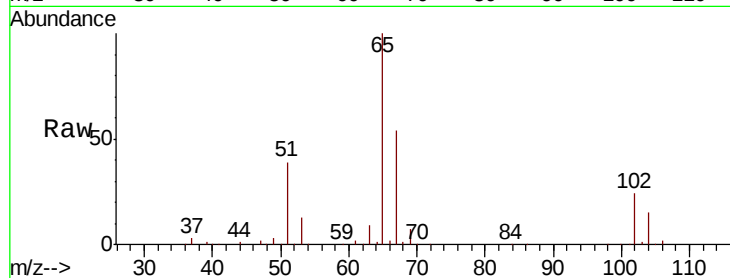
VX0831WBS01

Tot Ion: 65 Resp: 155019

Ion Ratio Lower Upper

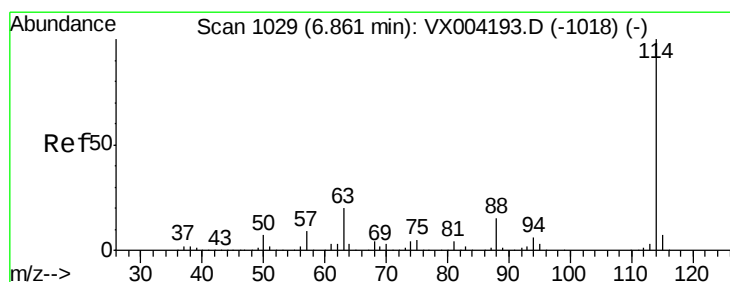
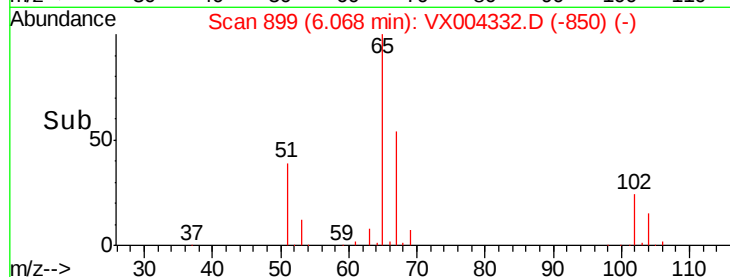
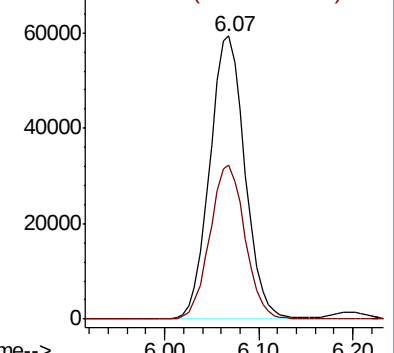
65 100

67 54.3 0.0 106.8



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: VX004332.D

Acq: 31 Aug 2018 17:53

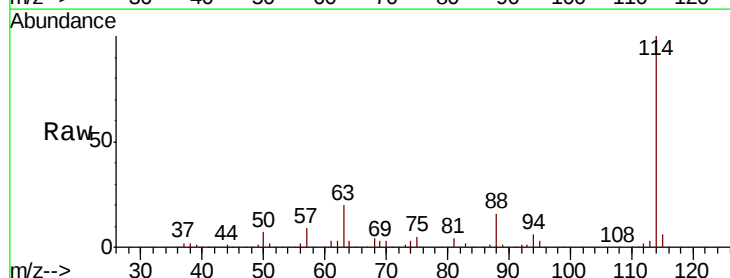
Tgt Ion:114 Resp: 320140

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

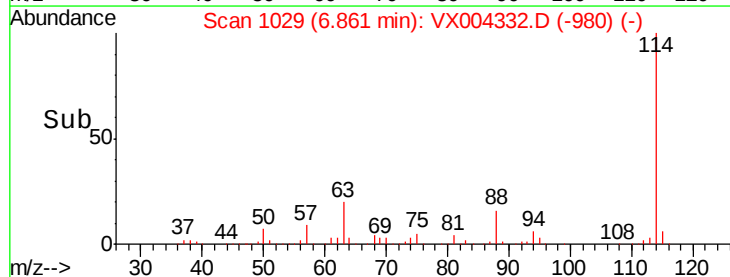
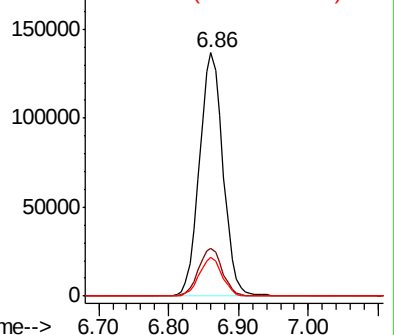
88 15.8 0.0 30.4

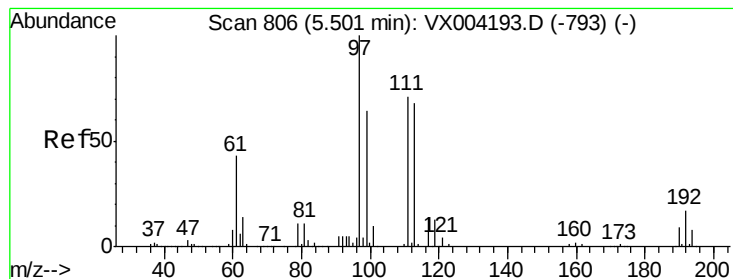


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.85 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS01

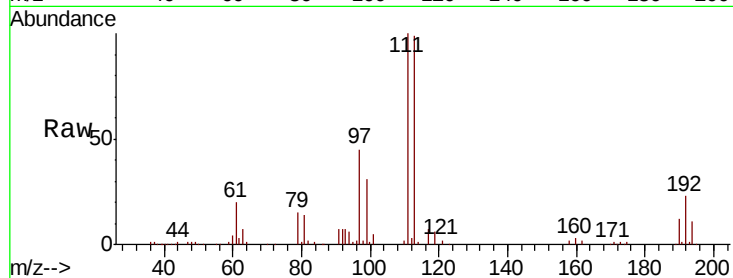
Tot Ion:113 Resp: 130642

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

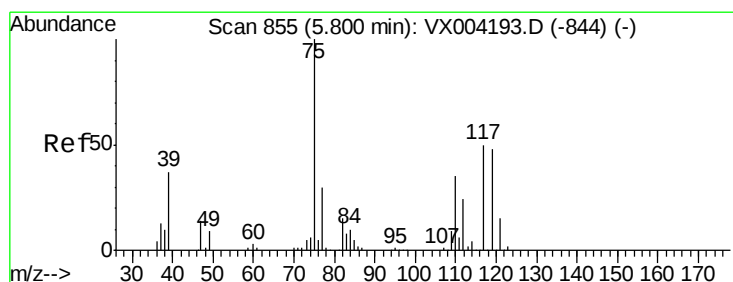
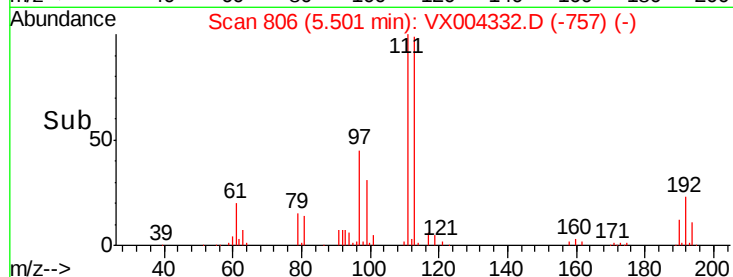
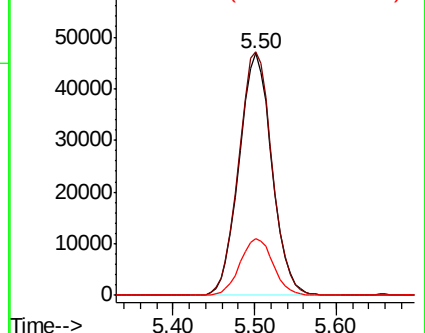
192 23.7 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.70 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

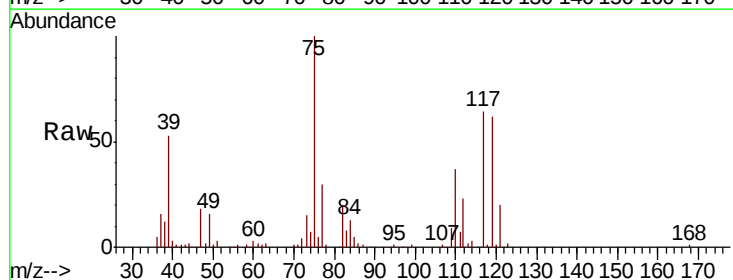
Tgt Ion: 75 Resp: 63706

Ion Ratio Lower Upper

75 100

110 36.9 18.0 54.0

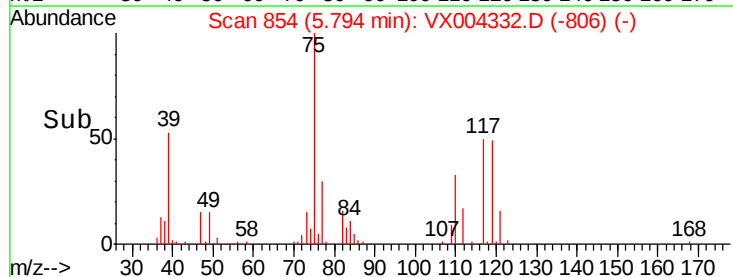
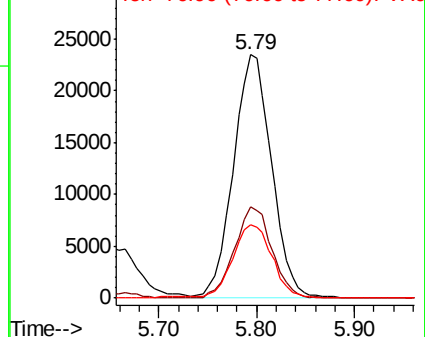
77 31.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

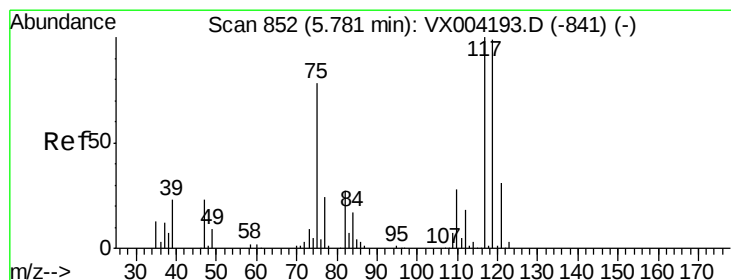
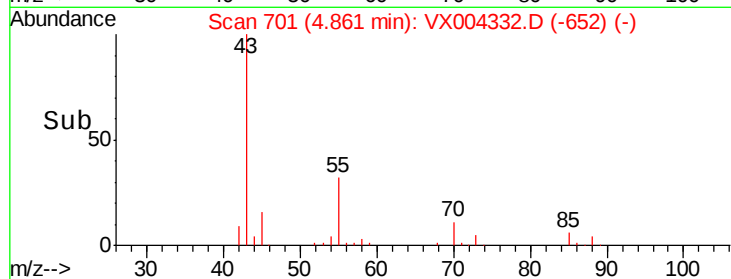
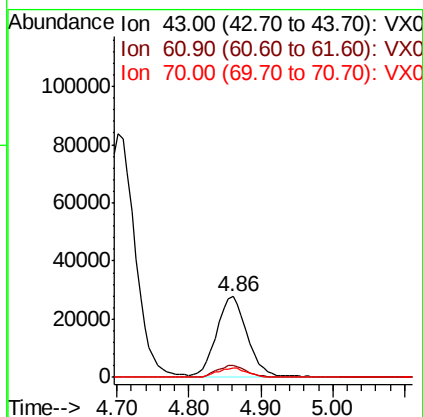
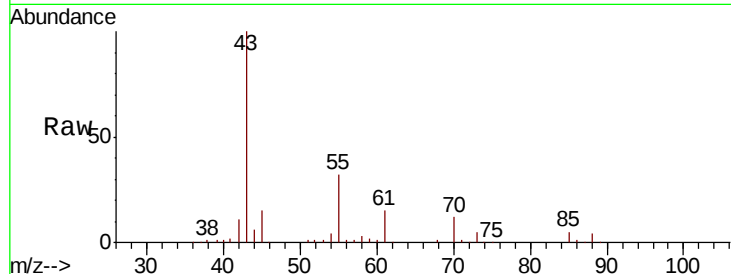




#37
Ethyl Acetate
Concen: 23.05 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

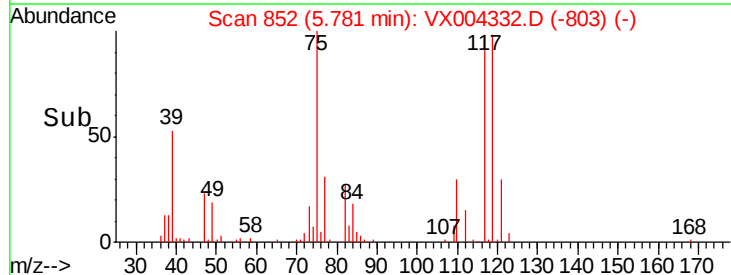
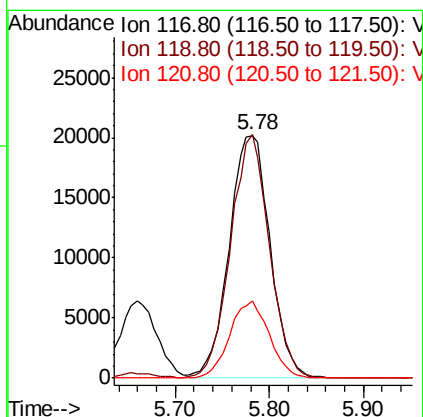
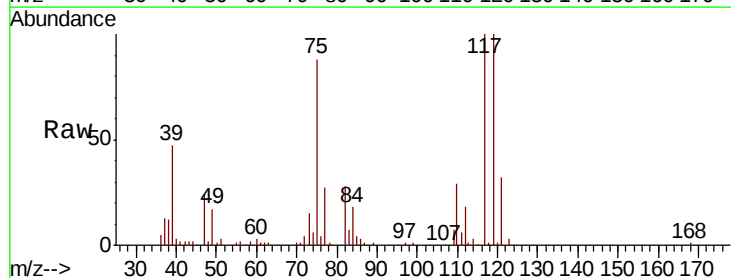
Instrument :
MSVOA_X
ClientSampleID :
VX0831WBS01

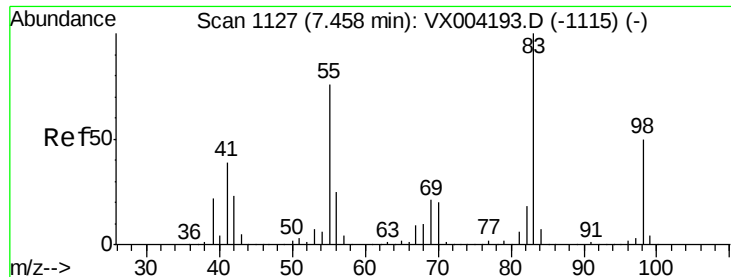
Tot Ion: 43 Resp: 81578
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.3 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.00 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion: 117 Resp: 60941
Ion Ratio Lower Upper
117 100
119 100.4 78.8 118.2
121 31.9 24.9 37.3

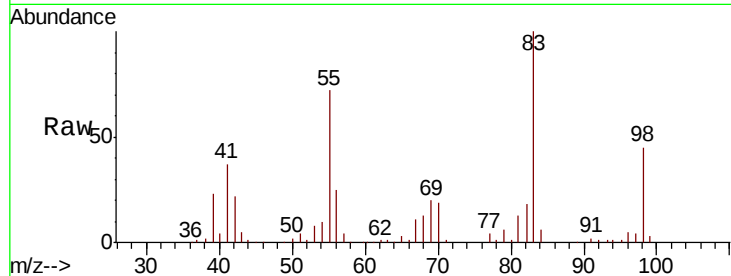




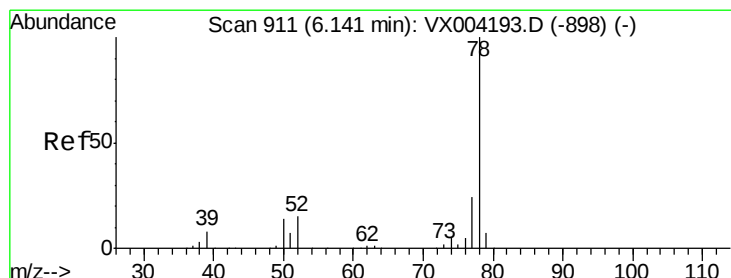
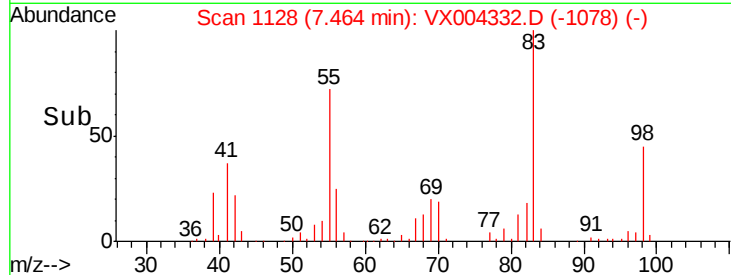
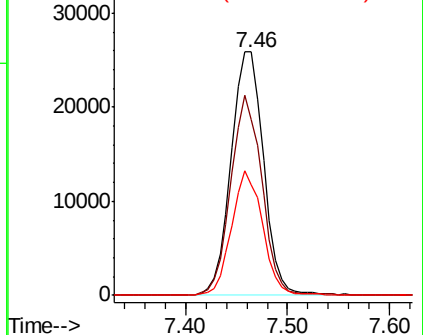
#39
Methvlcvclohexane
Concen: 13.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	61.0	91.4
98	45.5	39.6	59.4

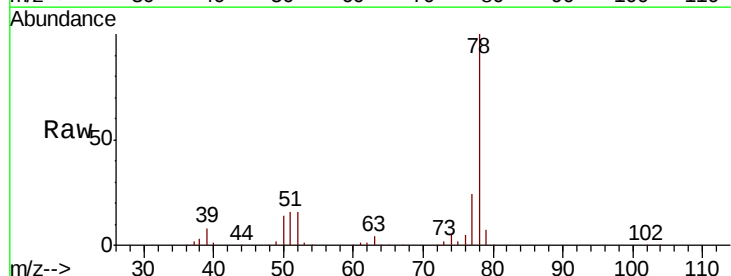


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

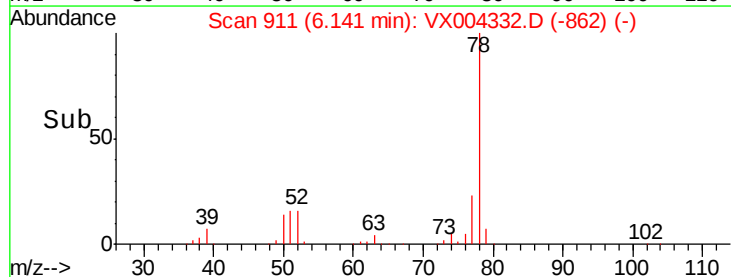
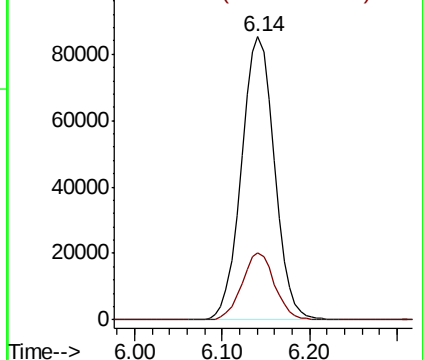


#40
Benzene
Concen: 20.83 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4



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

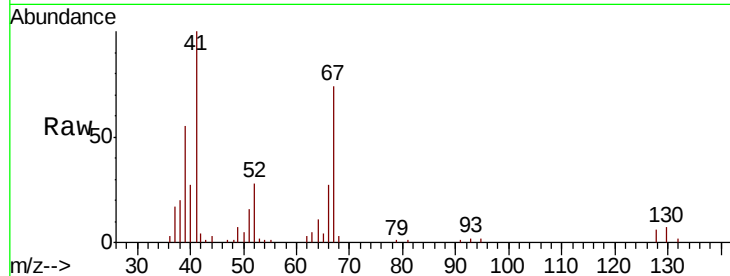




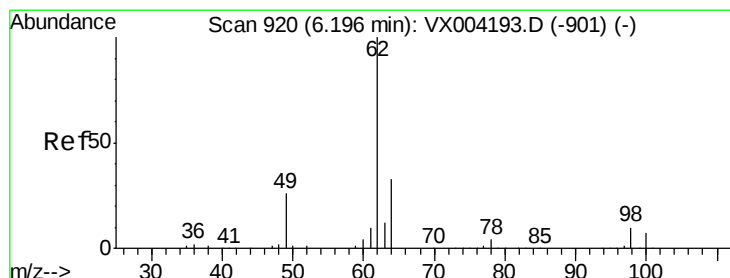
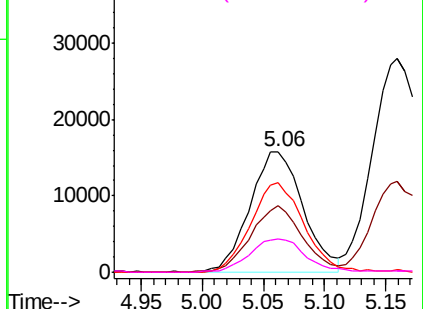
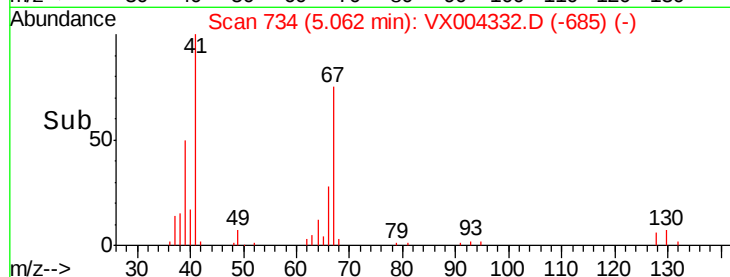
#41
Methacrylonitrile
Concen: 23.38 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS01

Tot Ion:	41	Resp:	47975
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.4	63.6
67	74.0	59.2	88.8
52	28.0	23.0	34.4

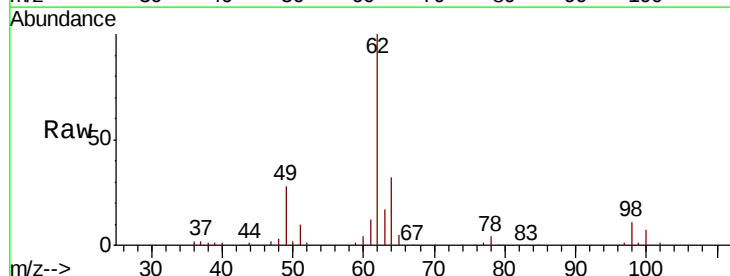


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

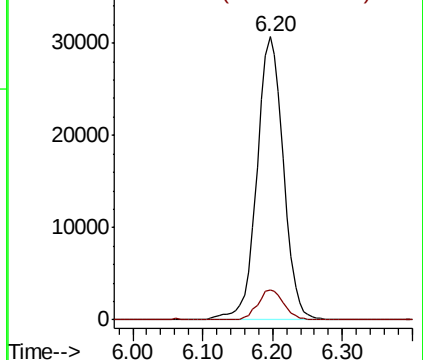
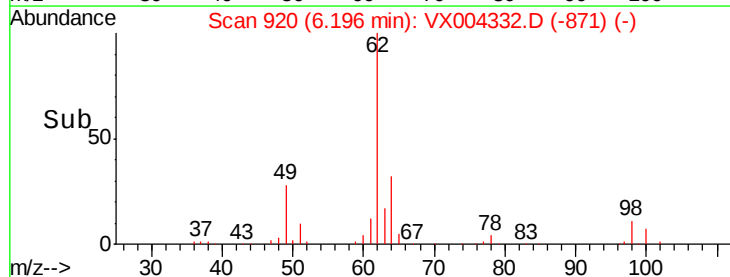


#42
1,2-Dichloroethane
Concen: 22.03 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion:	62	Resp:	80829
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 22.19 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

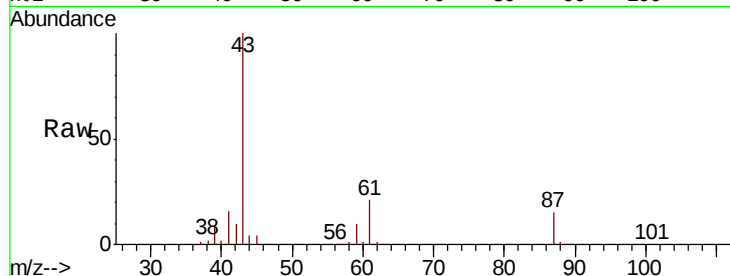
Tot Ion: 43 Resp: 120695

Ion Ratio Lower Upper

43 100

61 21.1 17.0 25.4

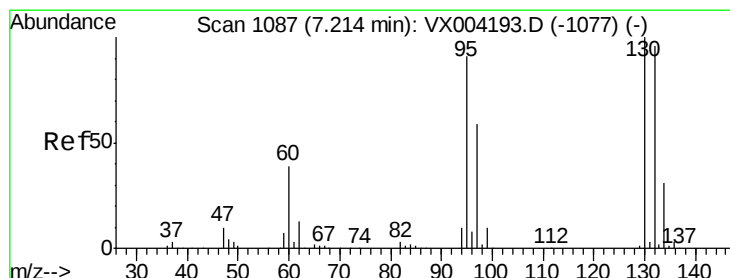
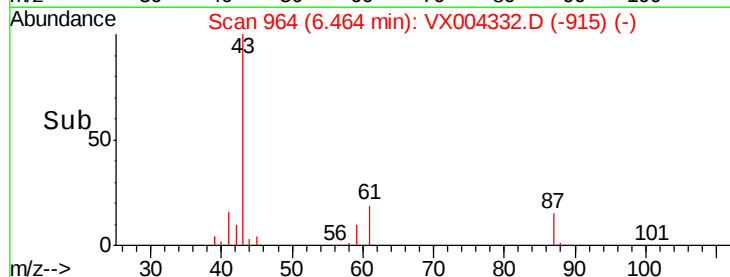
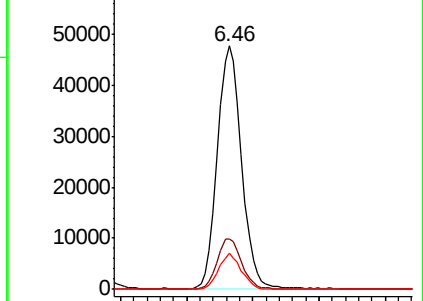
87 13.9 11.4 17.2



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: 18.95 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004332.D

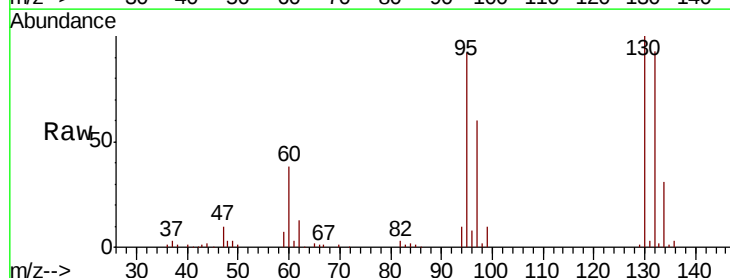
Acq: 31 Aug 2018 17:53

Tgt Ion:130 Resp: 56399

Ion Ratio Lower Upper

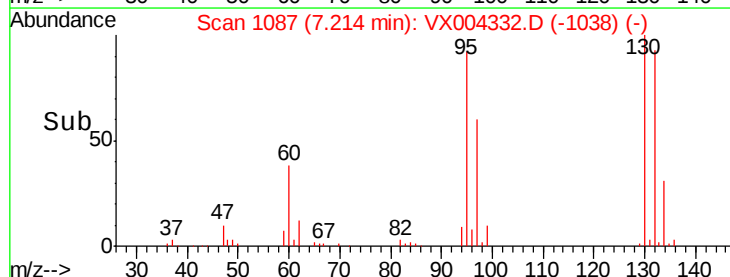
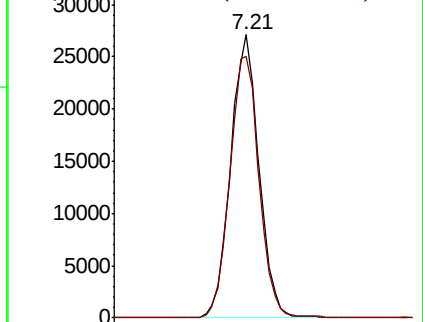
130 100

95 92.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.48 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

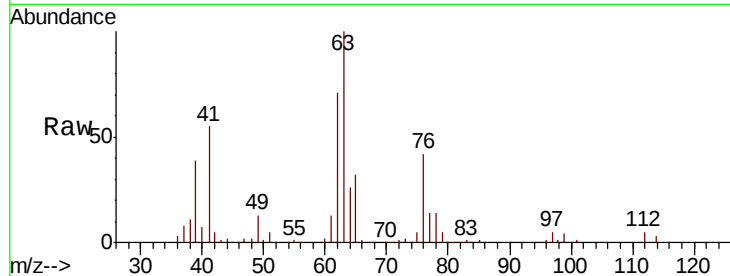
VX0831WBS01

Tot Ion: 63 Resp: 57816

Ion Ratio Lower Upper

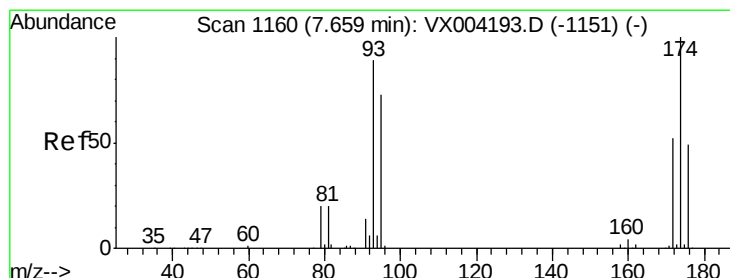
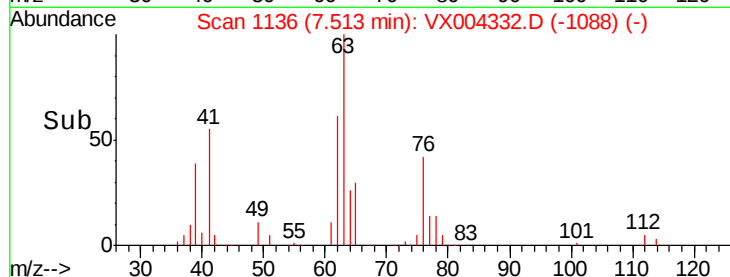
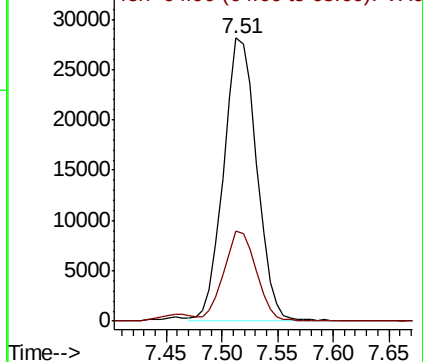
63 100

65 32.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.50 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

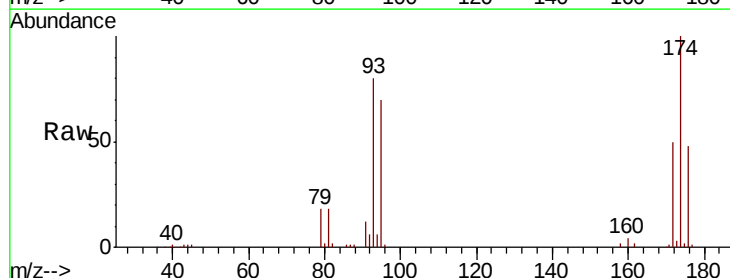
Tgt Ion: 93 Resp: 38533

Ion Ratio Lower Upper

93 100

95 84.2 65.5 98.3

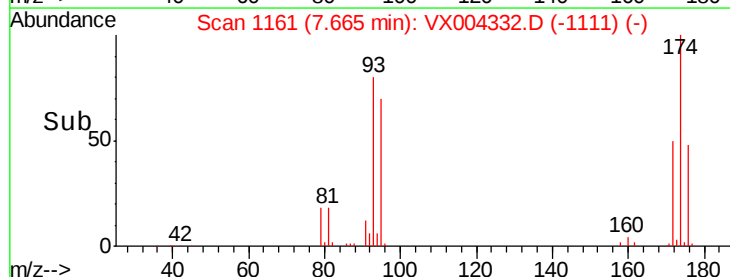
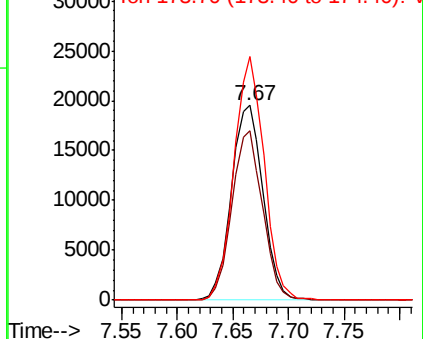
174 119.1 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.58 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

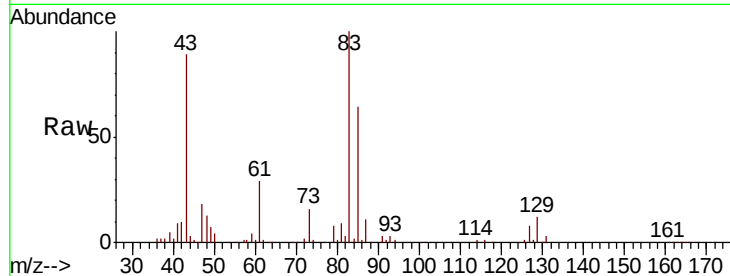
Tot Ion: 83 Resp: 71964

Ion Ratio Lower Upper

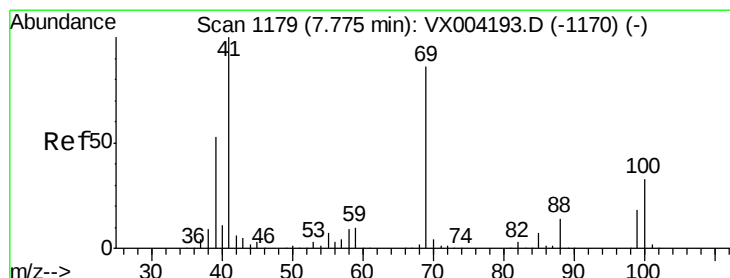
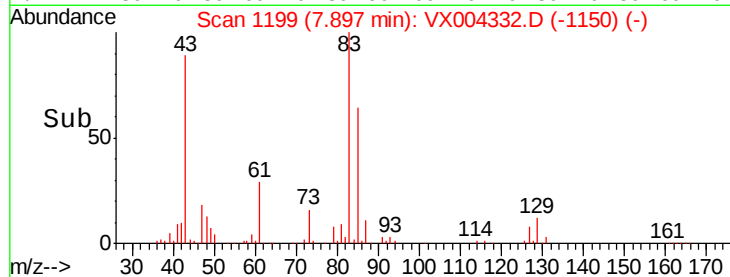
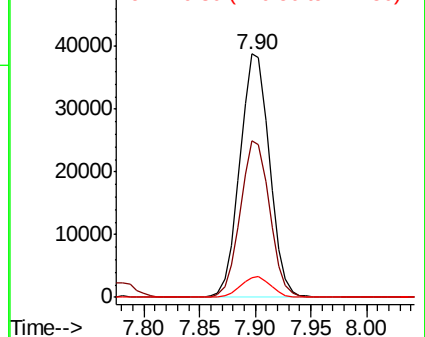
83 100

85 64.2 50.9 76.3

127 8.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.13 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

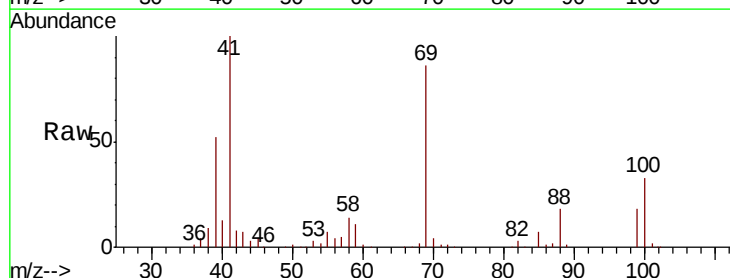
Tgt Ion: 41 Resp: 64397

Ion Ratio Lower Upper

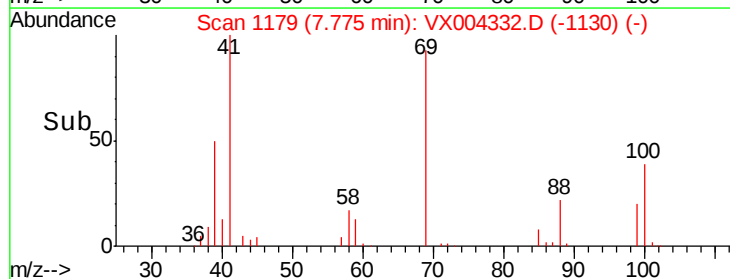
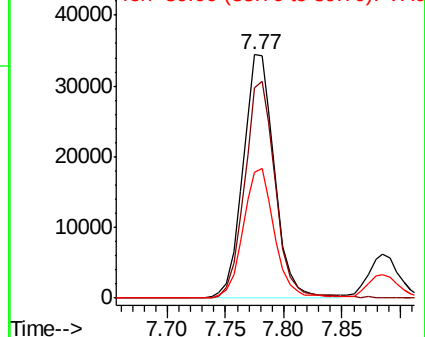
41 100

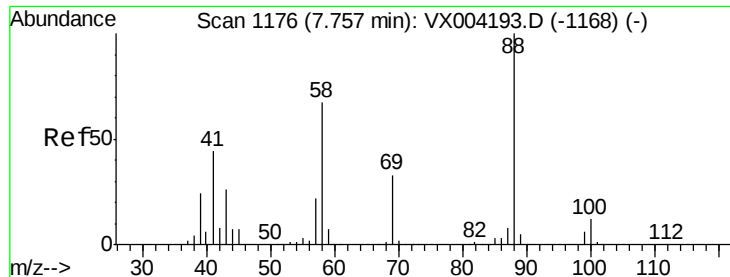
69 87.5 70.2 105.4

39 52.3 42.7 64.1



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

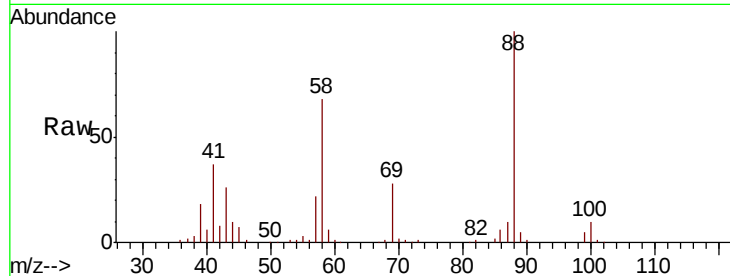




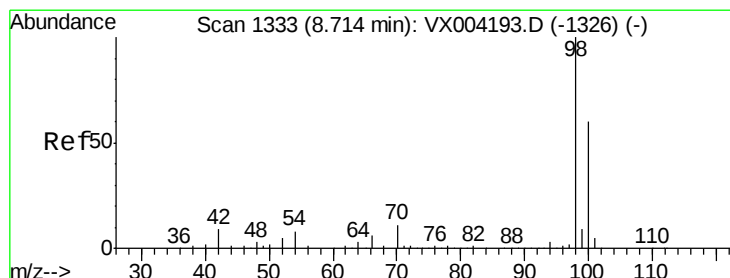
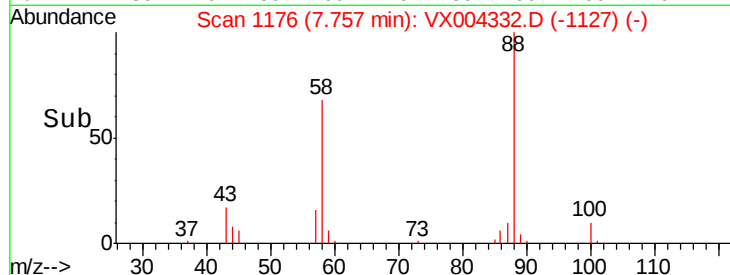
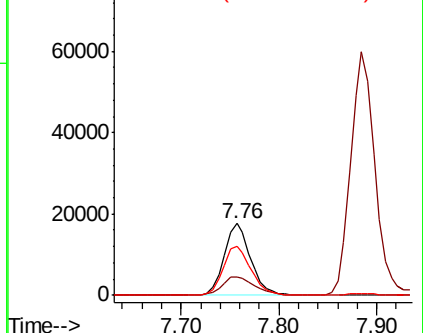
#49
1,4-Dioxane
Concen: 502.62 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS01

Tot Ion: 88 Resp: 33212
Ion Ratio Lower Upper
88 100
43 30.4 24.7 37.1
58 72.3 55.3 82.9

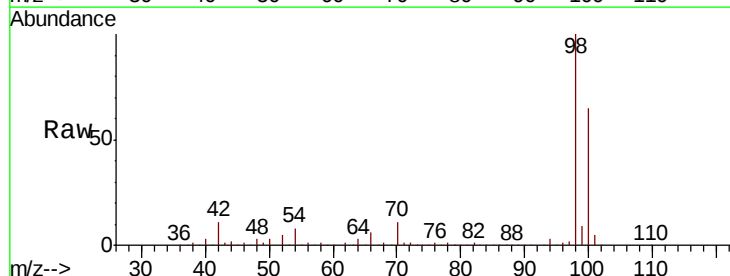


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

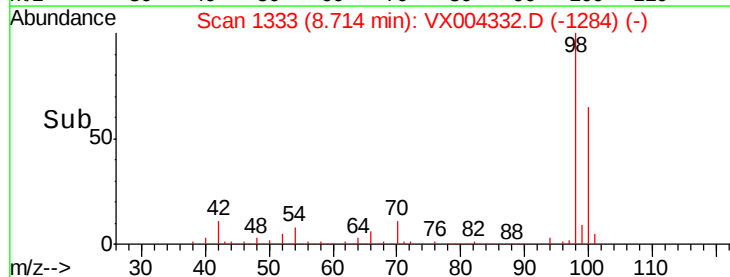
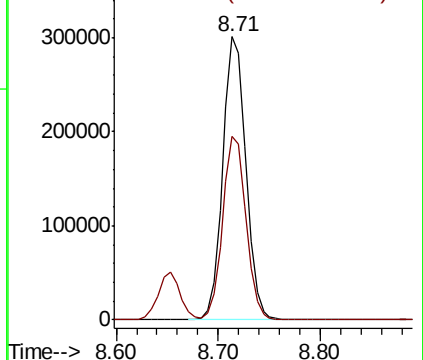


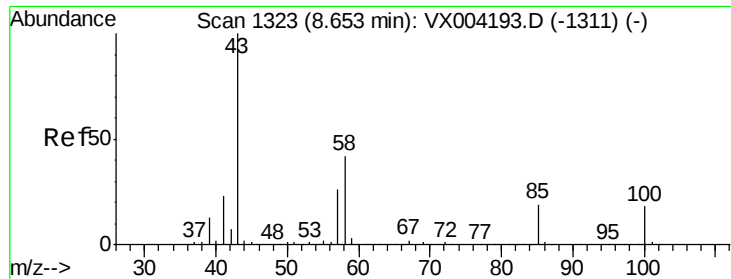
#50
Toluene-d8
Concen: 52.40 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion: 98 Resp: 471047
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



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: 113.59 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

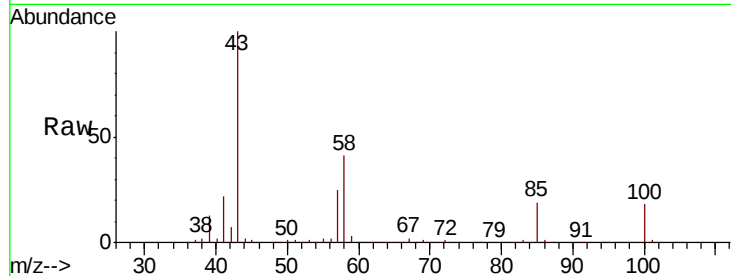
VX0831WBS01

Tot Ion: 43 Resp: 448911

Ion Ratio Lower Upper

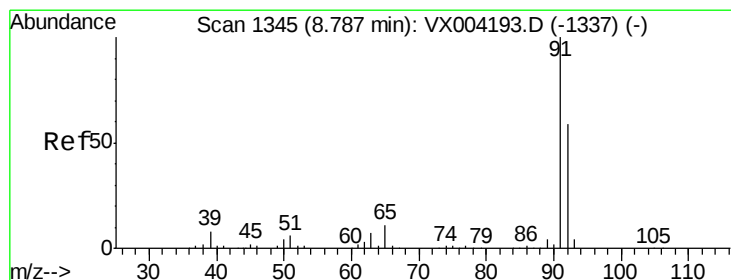
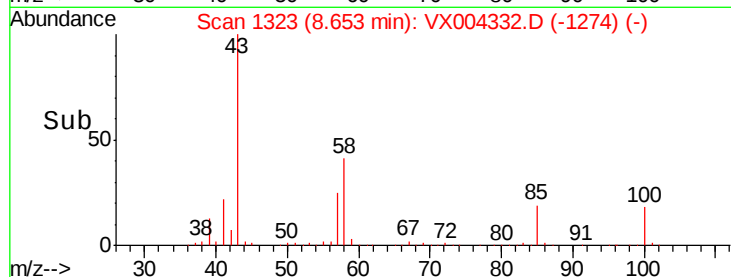
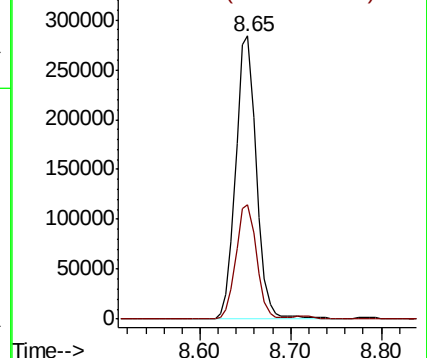
43 100

58 40.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.56 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004332.D

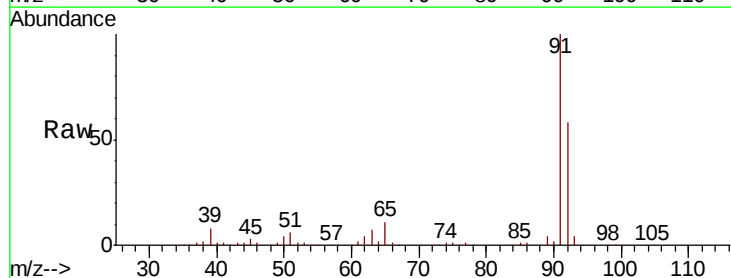
Acq: 31 Aug 2018 17:53

Tgt Ion: 92 Resp: 138387

Ion Ratio Lower Upper

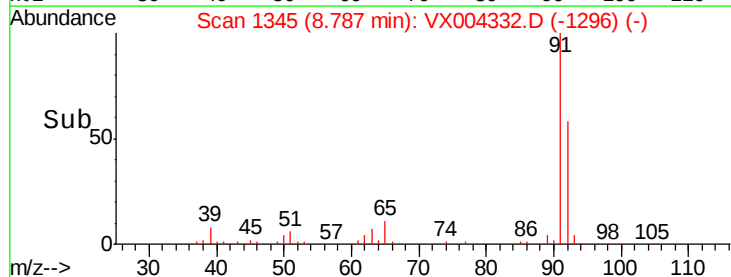
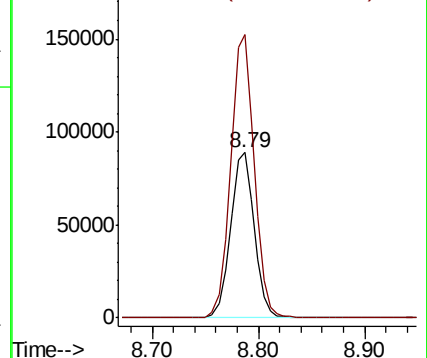
92 100

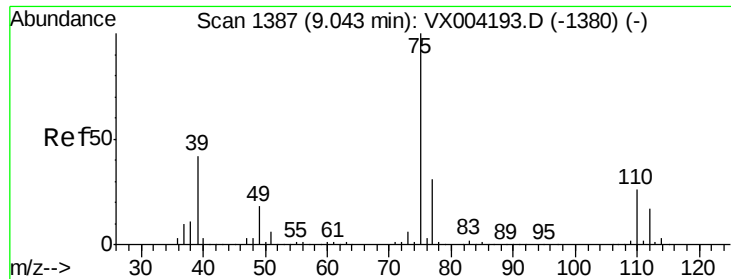
91 170.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

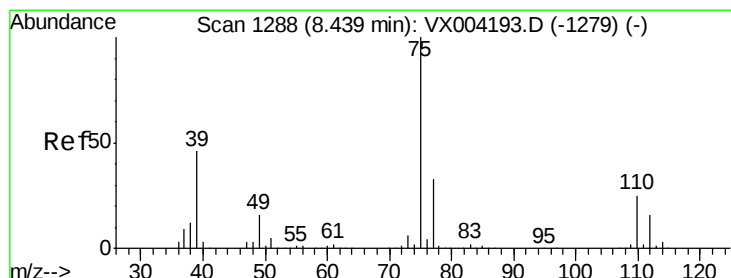
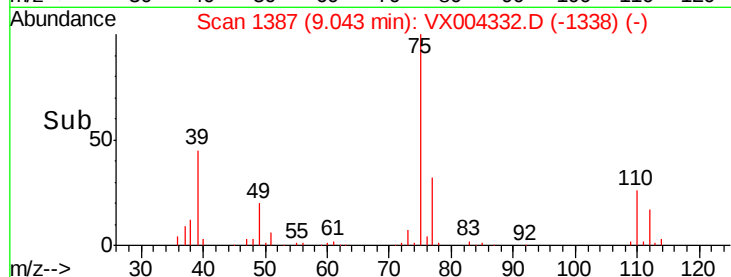
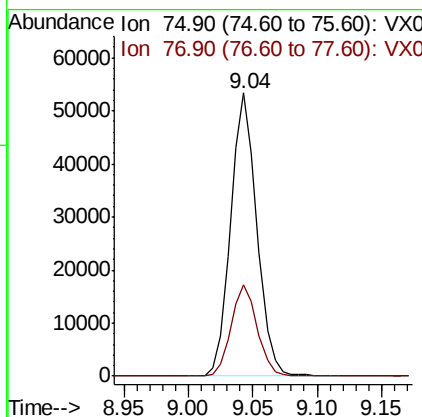
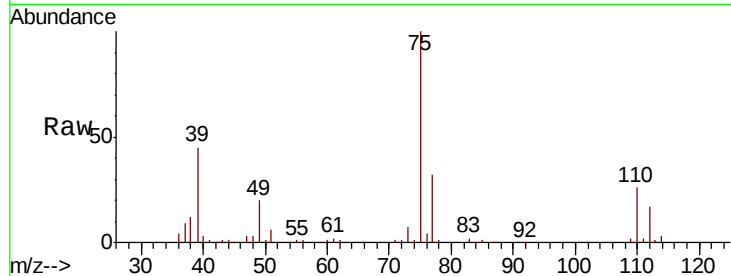




#53
 t-1,3-Dichloropropene
 Concen: 20.58 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

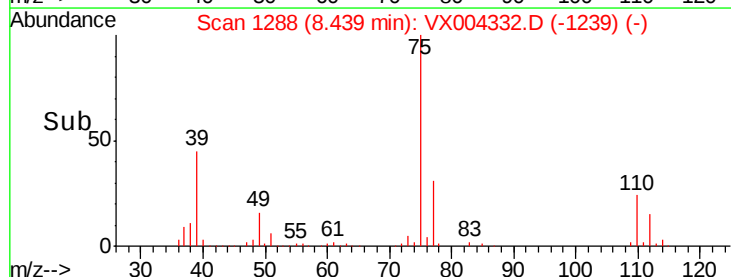
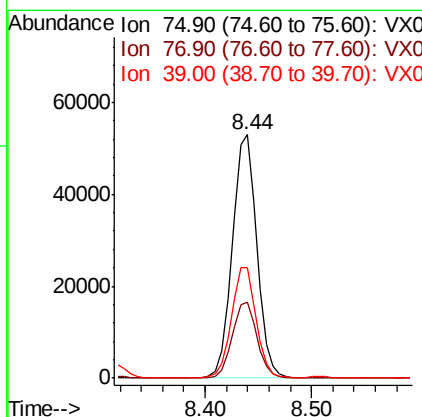
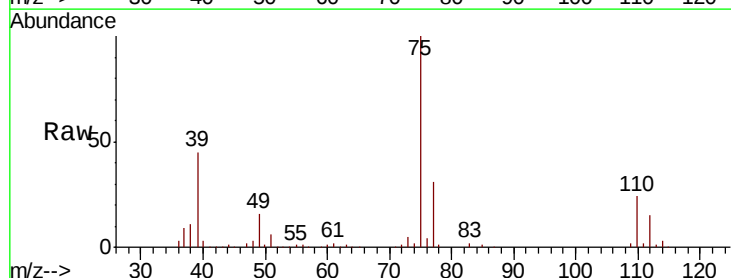
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

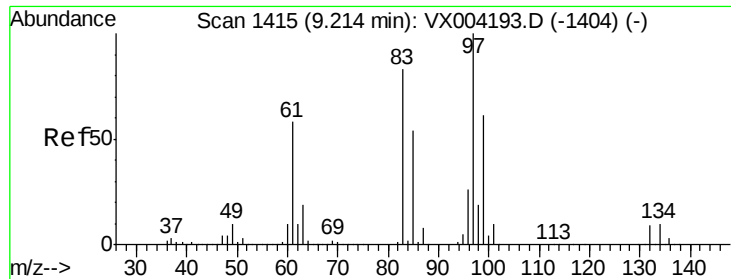
Tot Ion: 75 Resp: 75802
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.37 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion: 75 Resp: 85751
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2
 39 45.3 36.4 54.6

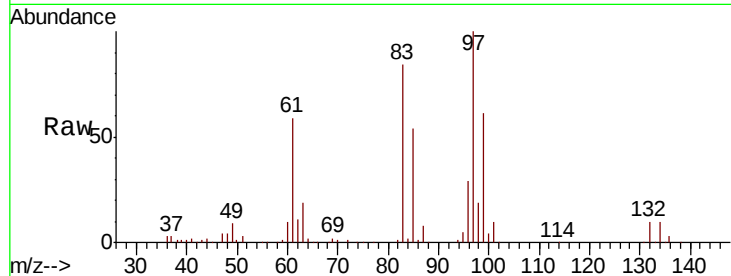




#55
 1,1,2-Trichloroethane
 Concen: 22.79 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

Tot Ion:	97	Resp:	61928
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.4	99.6
85	53.6	43.3	64.9
99	61.2	49.0	73.4



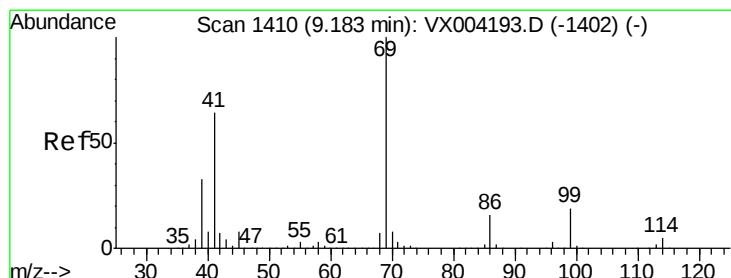
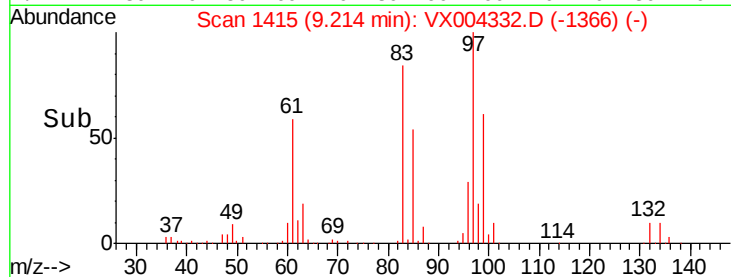
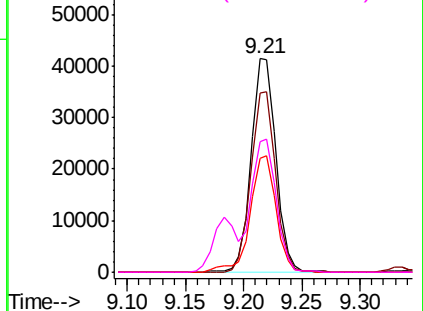
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

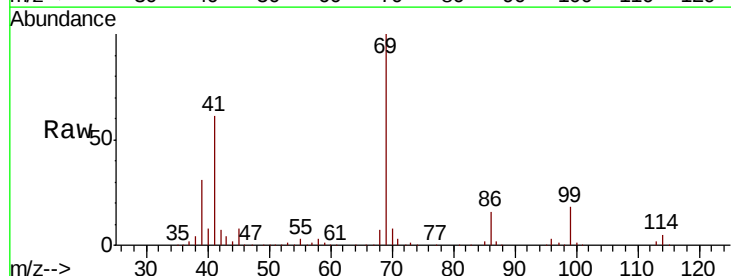
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 21.67 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion:	69	Resp:	80155
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.0	76.4
39	31.9	26.1	39.1

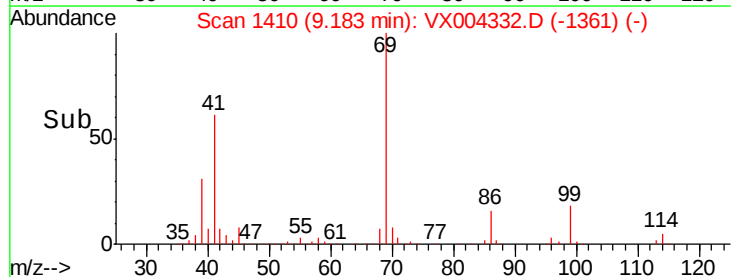
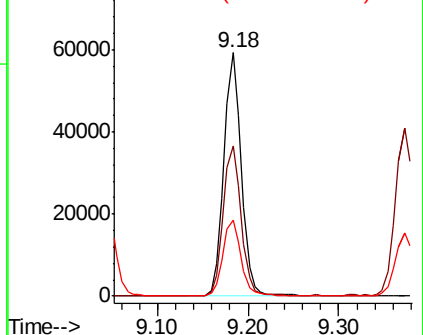


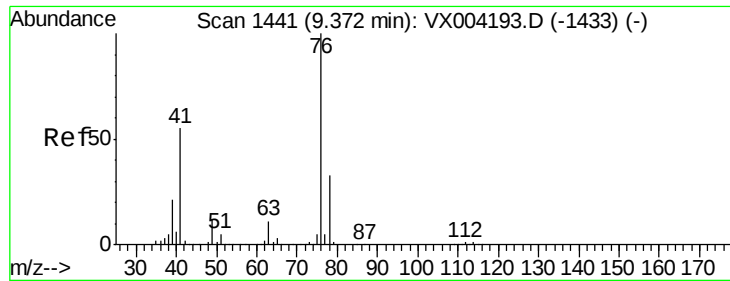
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 22.59 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

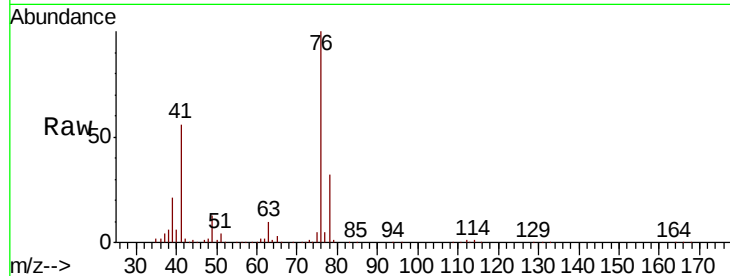
VX0831WBS01

Tot Ion: 76 Resp: 103475

Ion Ratio Lower Upper

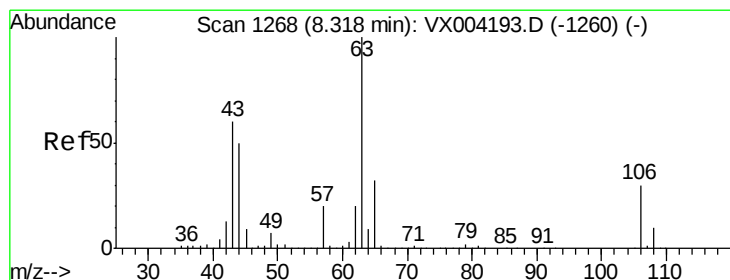
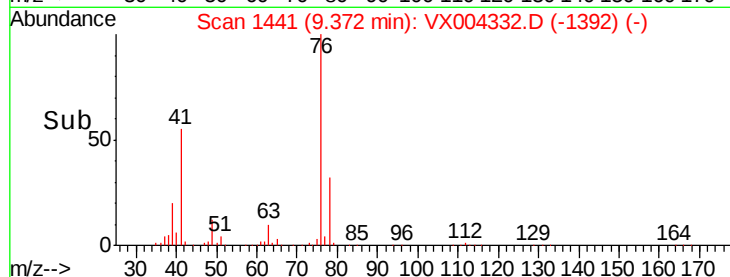
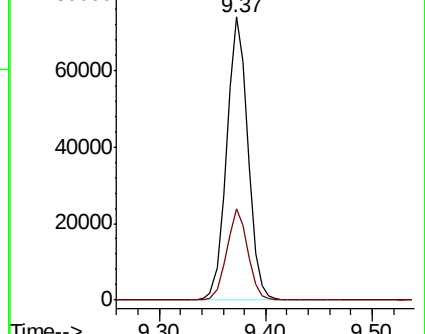
76 100

78 31.8 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 119.80 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX004332.D

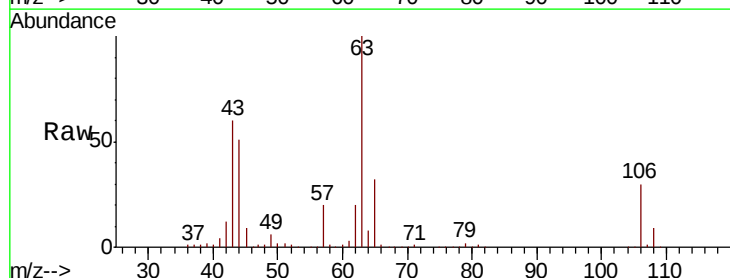
Acq: 31 Aug 2018 17:53

Tgt Ion: 63 Resp: 227078

Ion Ratio Lower Upper

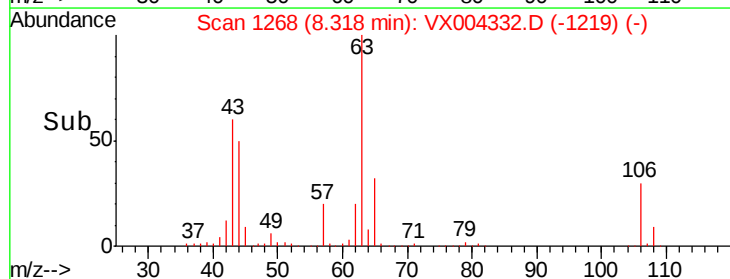
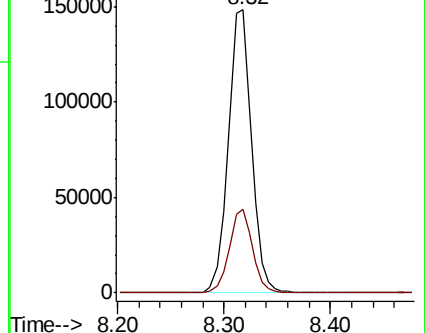
63 100

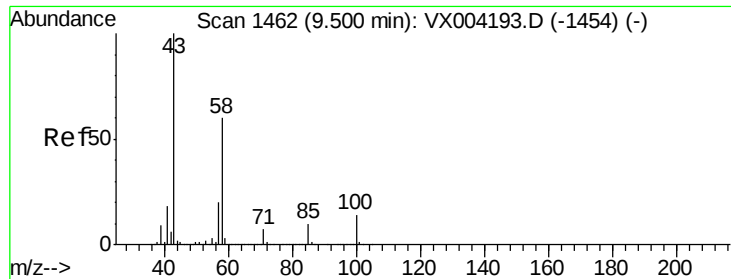
106 29.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

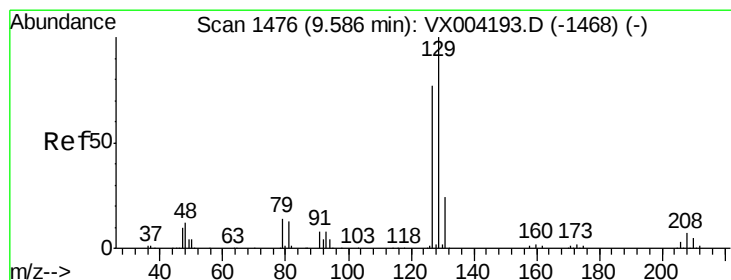
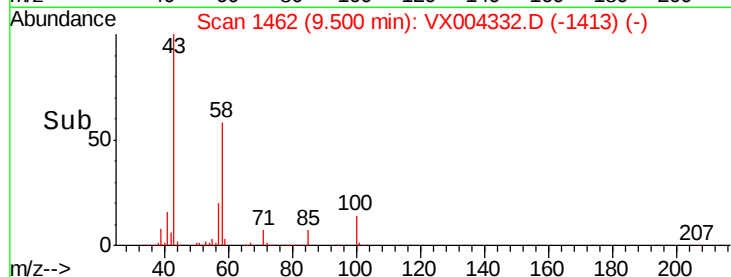
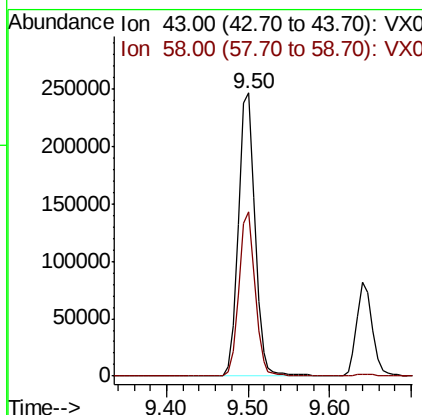
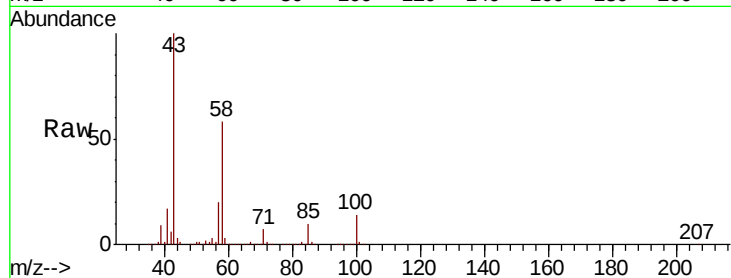




#59
2-Hexanone
Concen: 113.81 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

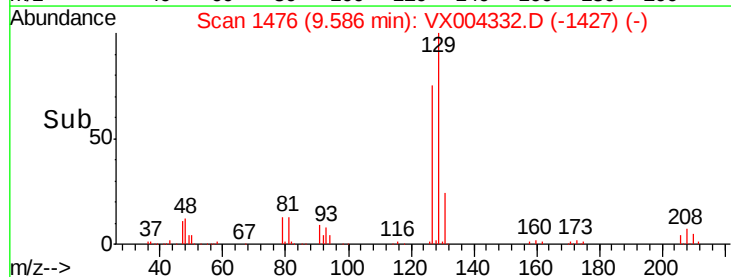
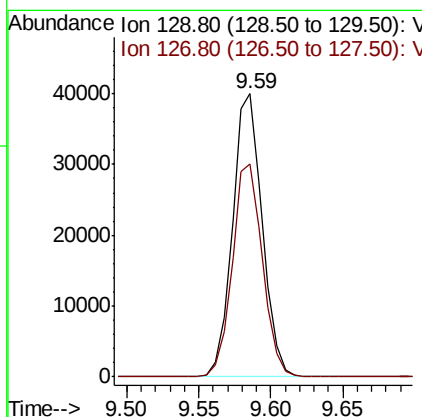
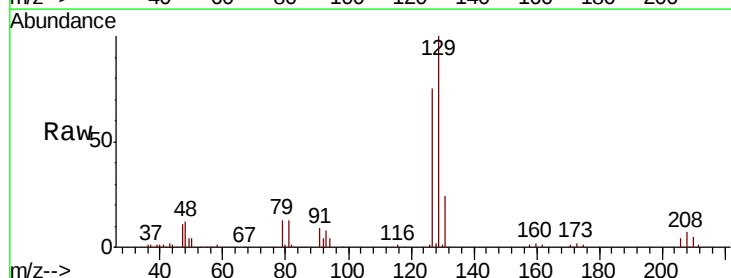
Instrument :
MSVOA_X
ClientSampled :
VX0831WBS01

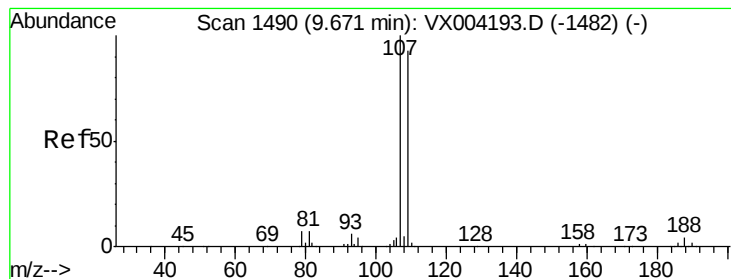
Tot Ion: 43 Resp: 343137
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.0



#60
Dibromochloromethane
Concen: 21.68 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion:129 Resp: 57407
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 22.30 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

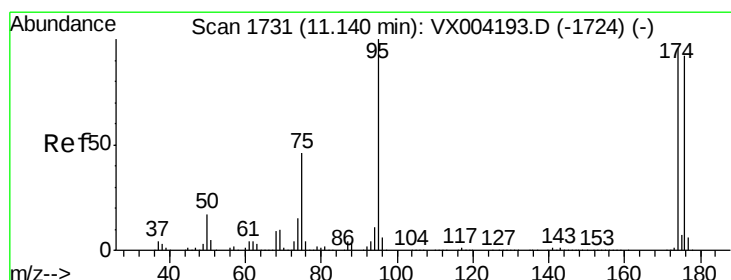
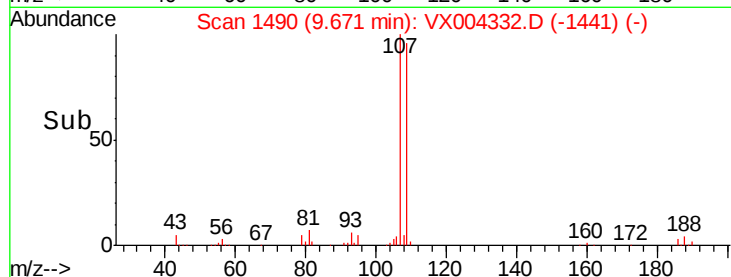
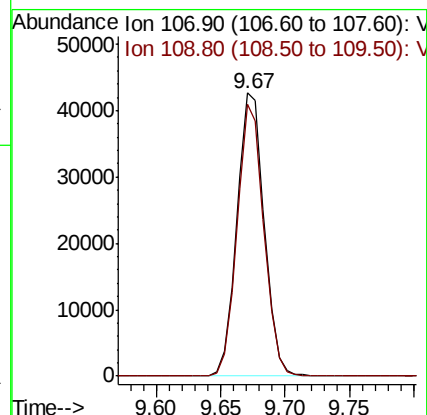
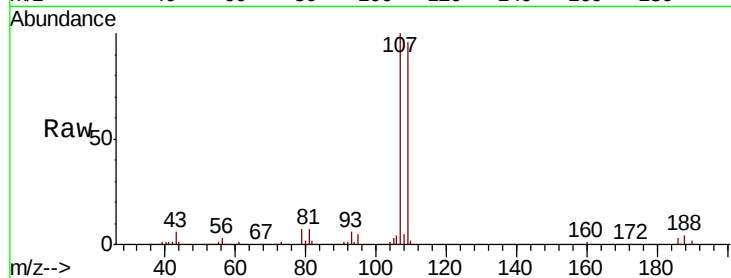
VX0831WBS01

Tot Ion:107 Resp: 62726

Ion Ratio Lower Upper

107 100

109 94.2 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 53.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

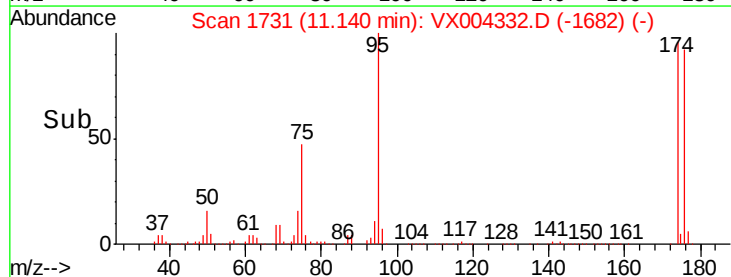
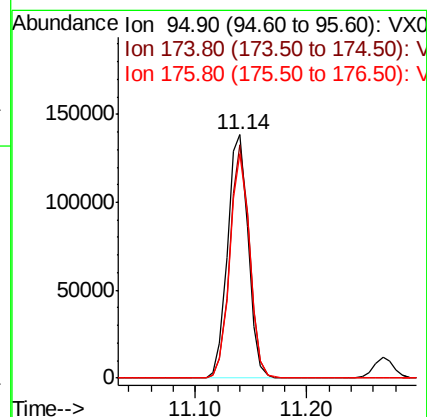
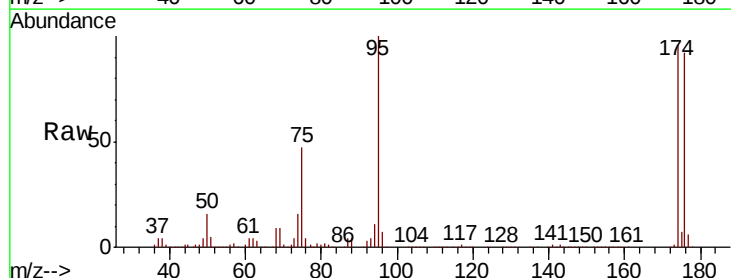
Tgt Ion: 95 Resp: 177990

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

176 88.8 0.0 178.6

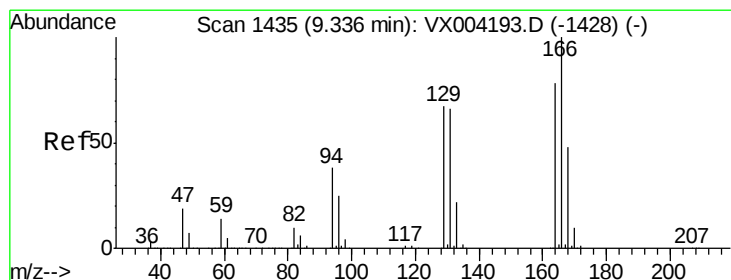
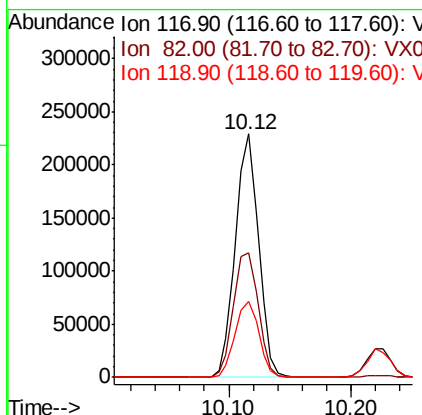
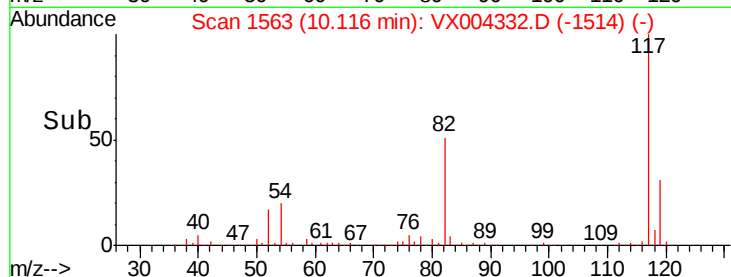
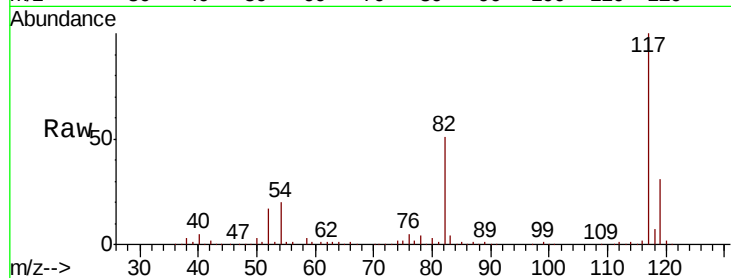




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

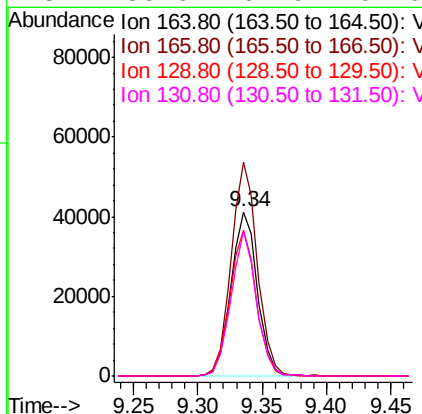
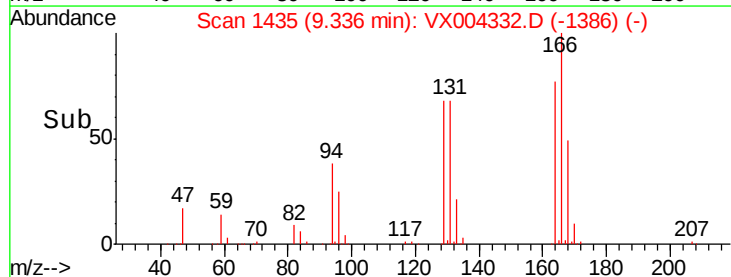
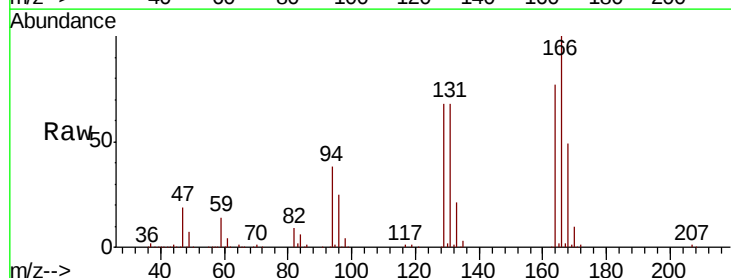
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS01

Tot Ion:117 Resp: 300840
Ion Ratio Lower Upper
117 100
82 51.0 47.8 71.6
119 31.2 29.3 43.9



#64
Tetrachloroethene
Concen: 19.78 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion:164 Resp: 58792
Ion Ratio Lower Upper
164 100
166 130.3 102.8 154.2
129 89.2 69.4 104.0
131 88.6 67.9 101.9

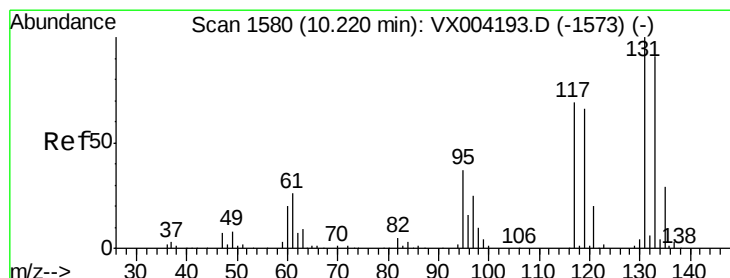
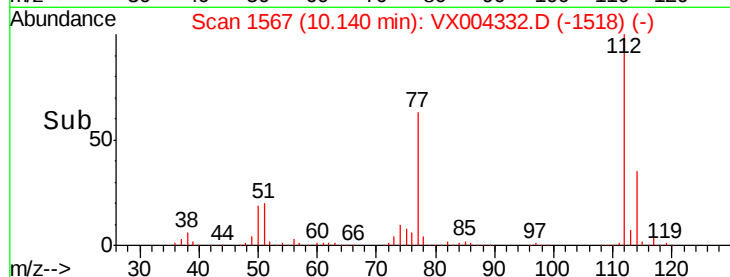
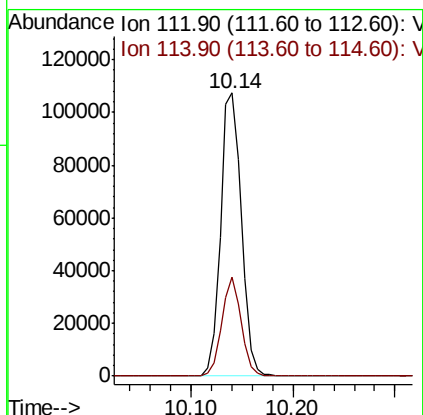
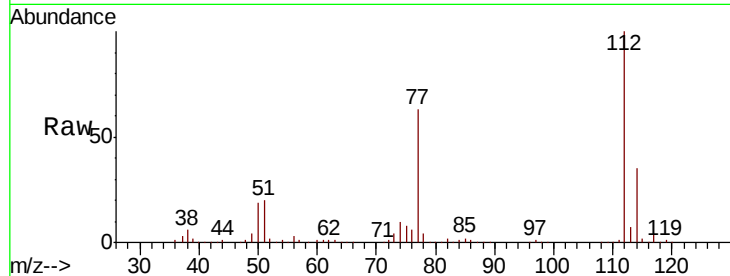




#65
Chlorobenzene
Concen: 20.23 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

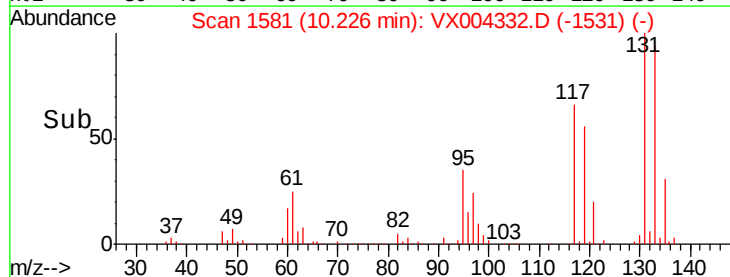
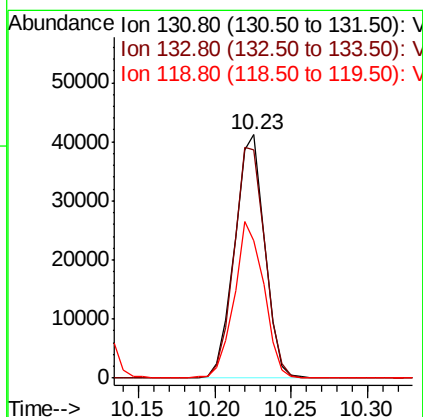
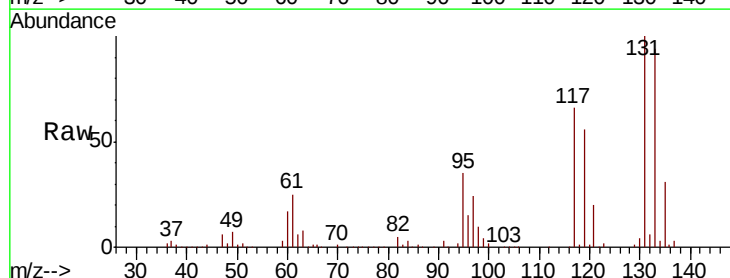
Instrument :
MSVOA_X
ClientSampled :
VX0831WBS01

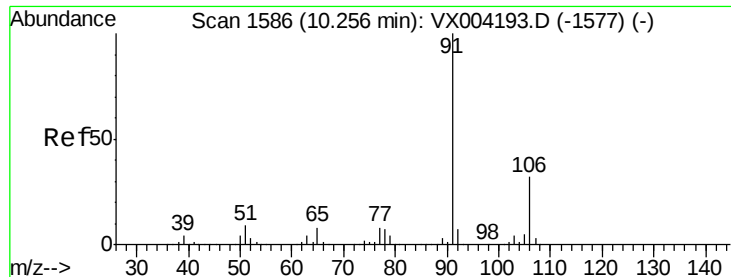
Tot Ion:112 Resp: 152749
Ion Ratio Lower Upper
112 100
114 34.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.44 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion:131 Resp: 55830
Ion Ratio Lower Upper
131 100
133 97.8 48.1 144.4
119 63.7 32.9 98.6

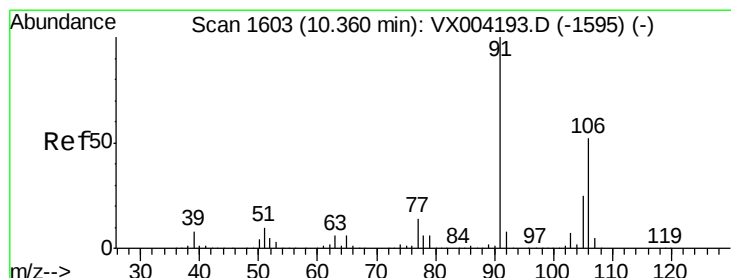
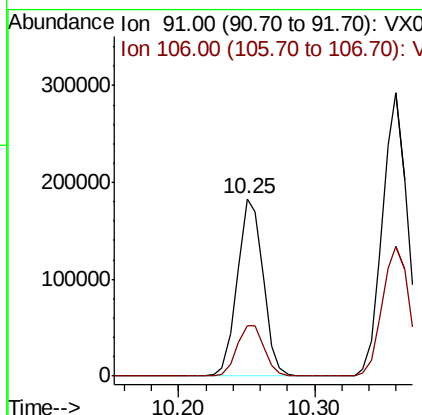
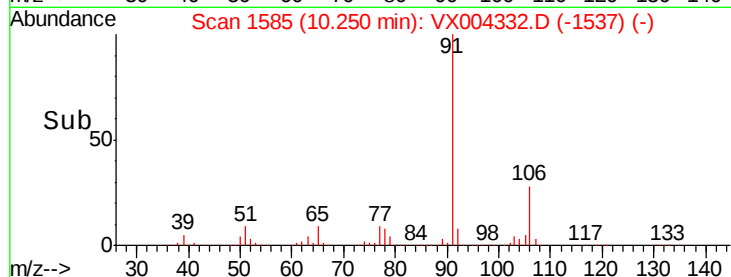
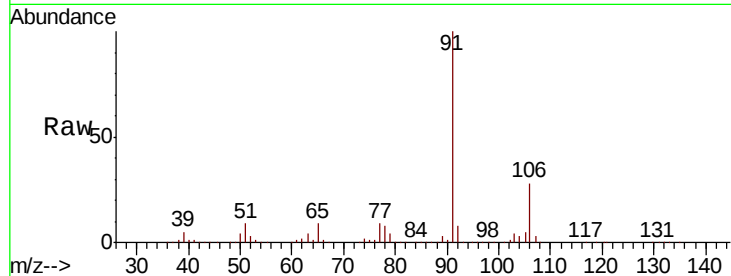




#67
Ethyl Benzene
Concen: 19.73 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

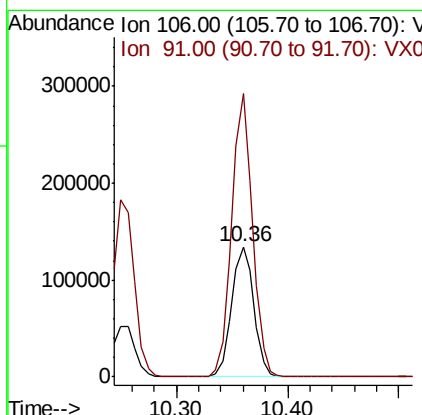
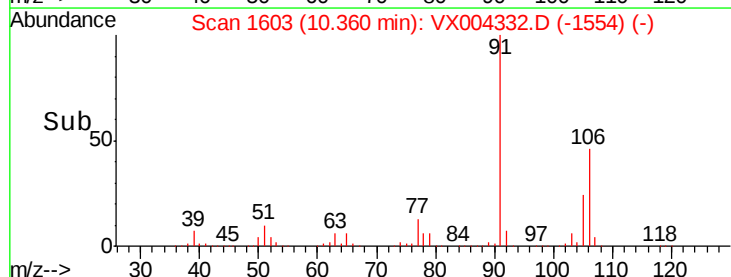
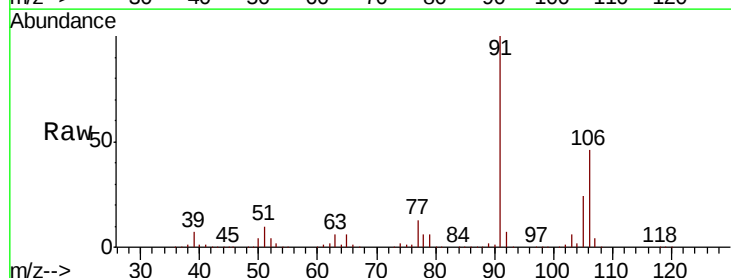
Instrument :
MSVOA_X
ClientSampled :
VX0831WBS01

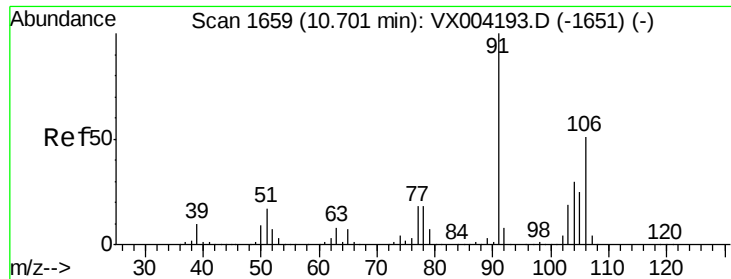
Tot Ion: 91 Resp: 241908
Ion Ratio Lower Upper
91 100
106 28.1 25.9 38.9



#68
m/p-Xylenes
Concen: 38.36 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion: 106 Resp: 183922
Ion Ratio Lower Upper
106 100
91 205.2 157.1 235.7

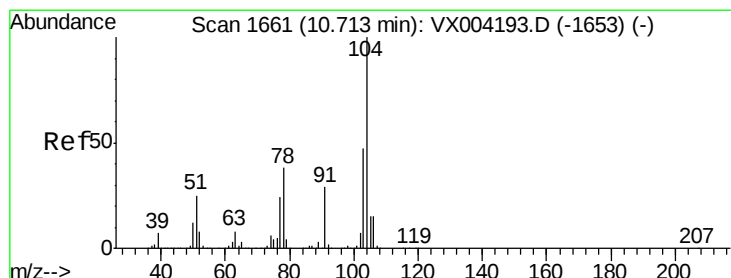
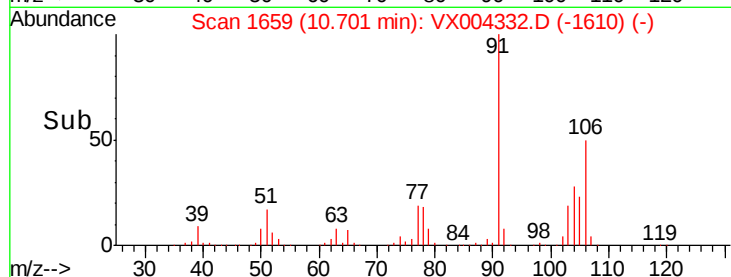
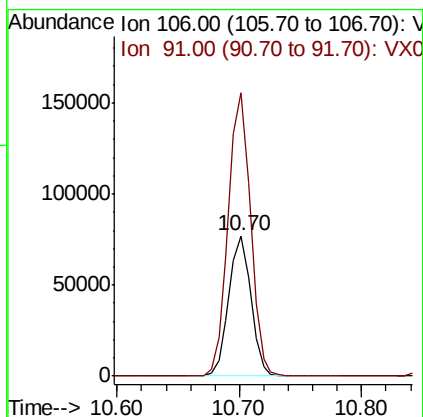
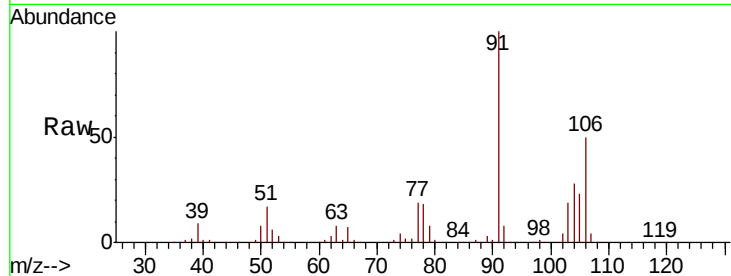




#69
o-Xylene
Concen: 21.31 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

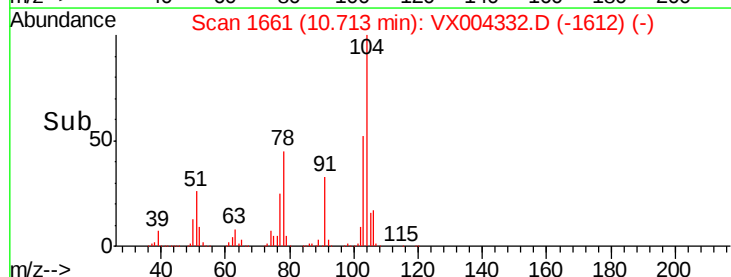
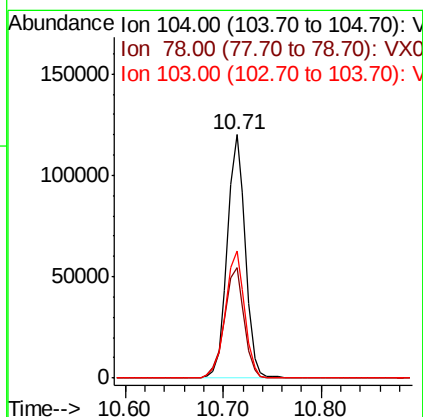
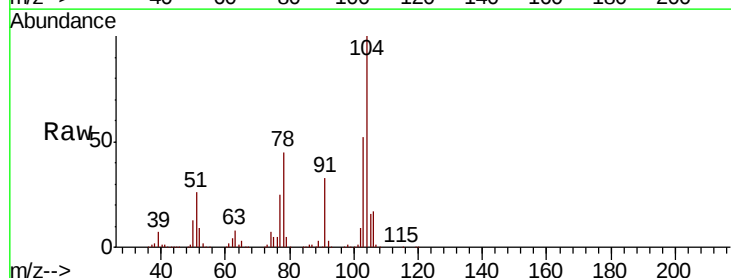
Instrument :
MSVOA_X
ClientSampled :
VX0831WBS01

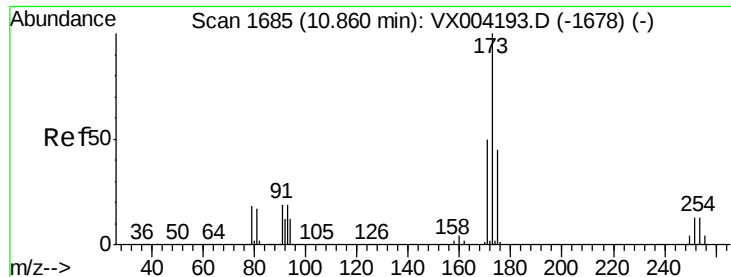
Tot Ion:106 Resp: 96636
Ion Ratio Lower Upper
106 100
91 204.9 105.1 315.1



#70
Styrene
Concen: 20.98 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion:104 Resp: 154088
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.8 43.8 65.6





#71

Bromoform

Concen: 20.88 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

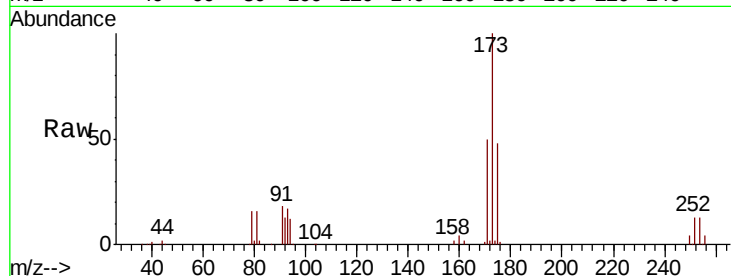
Tot Ion:173 Resp: 43835

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

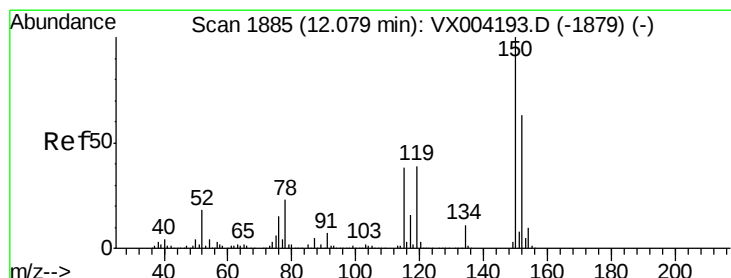
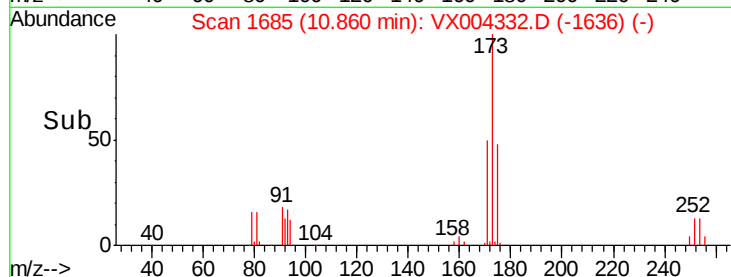
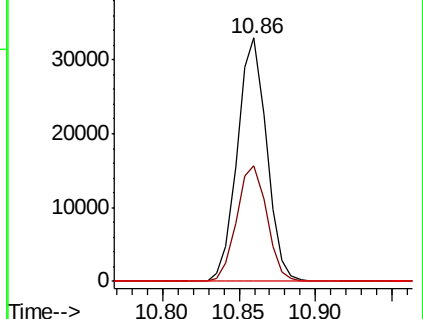
254 0.1 0.2 0.2#



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: VX004332.D

Acq: 31 Aug 2018 17:53

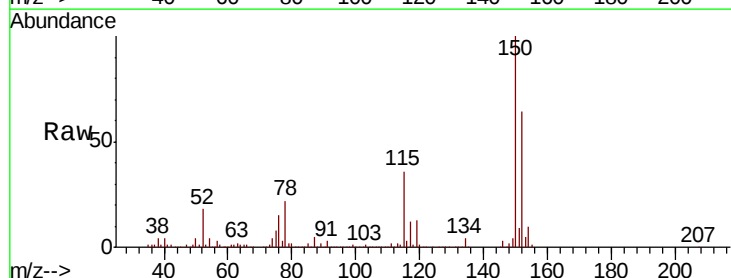
Tgt Ion:152 Resp: 190384

Ion Ratio Lower Upper

152 100

115 63.1 39.0 117.0

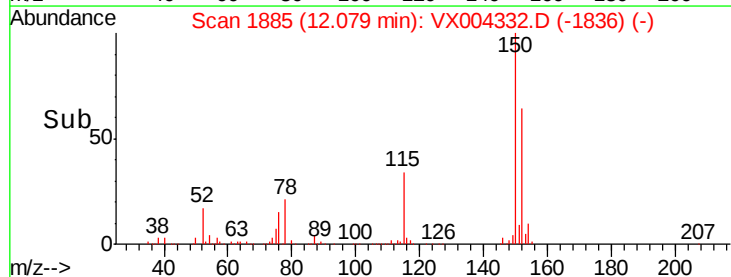
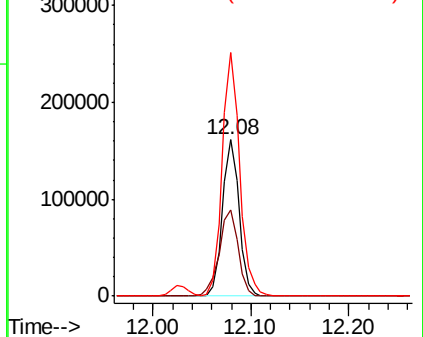
150 163.9 0.0 351.0



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: 19.82 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

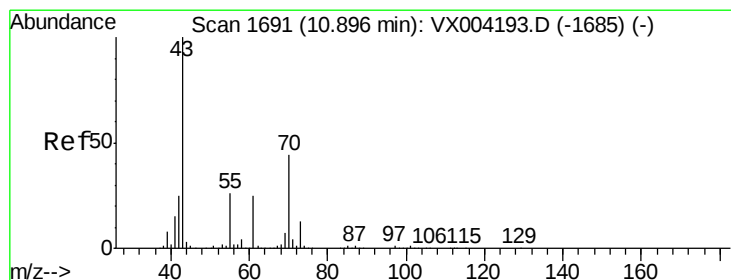
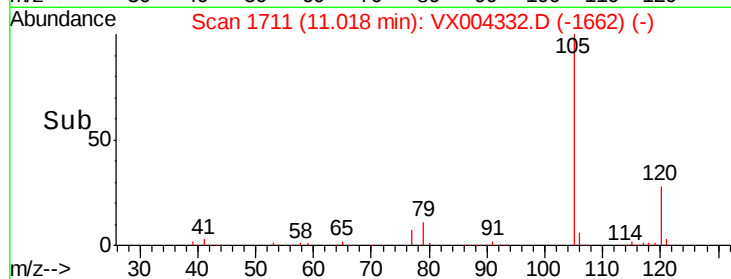
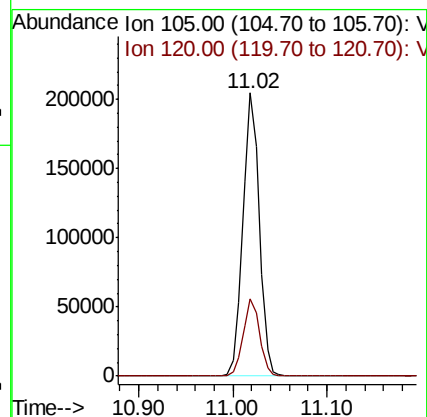
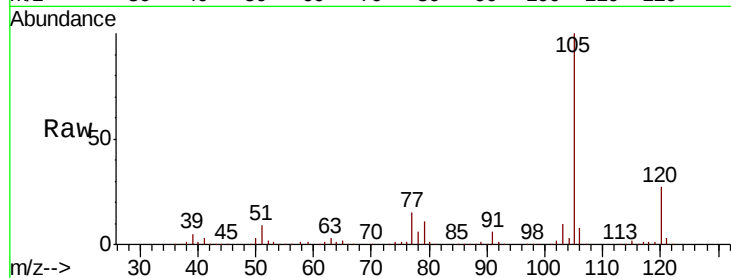
VX0831WBS01

Tot Ion:105 Resp: 247867

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Tgt Ion: 43 Resp: 98172

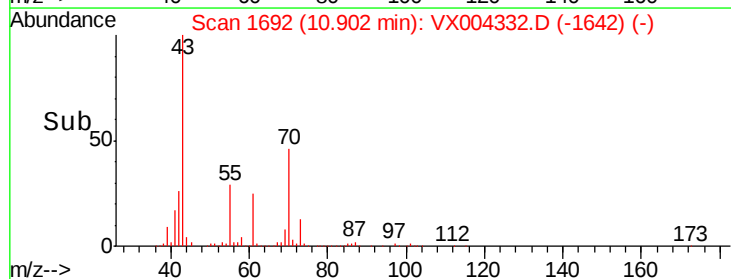
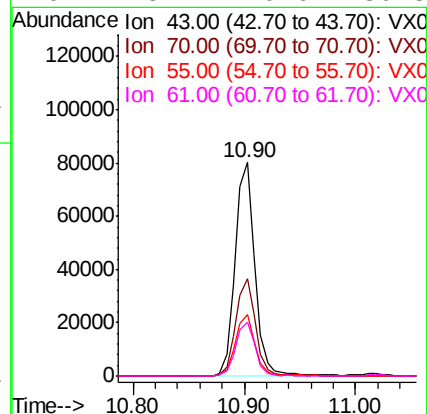
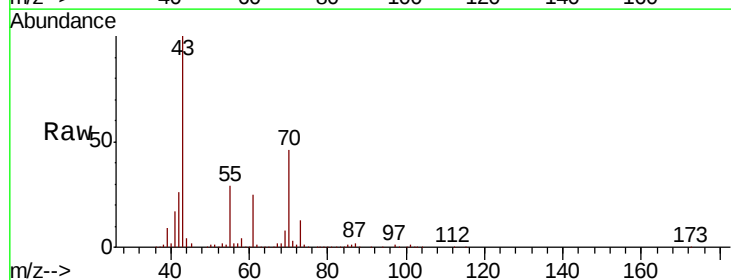
Ion Ratio Lower Upper

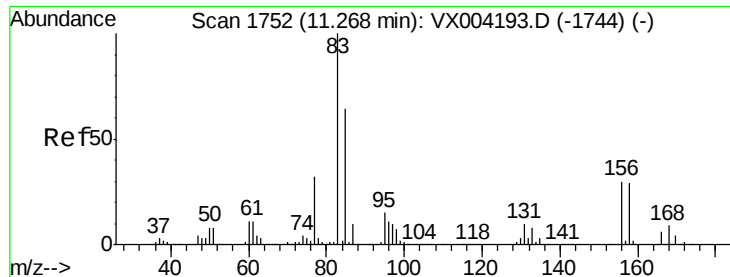
43 100

70 46.3 37.4 56.0

55 29.2 21.8 32.8

61 25.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.69 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS01

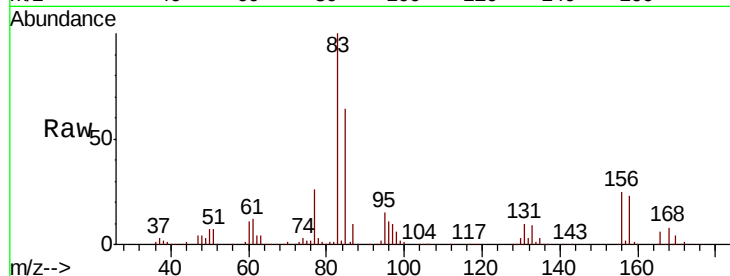
Tot Ion: 83 Resp: 94901

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

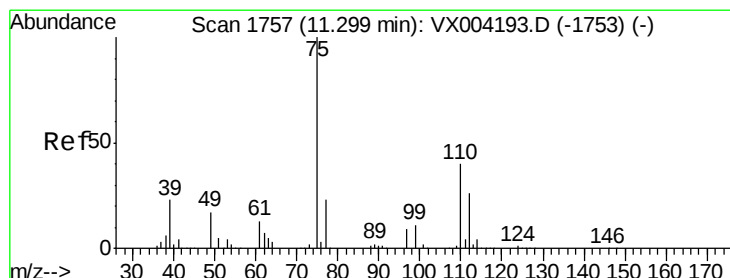
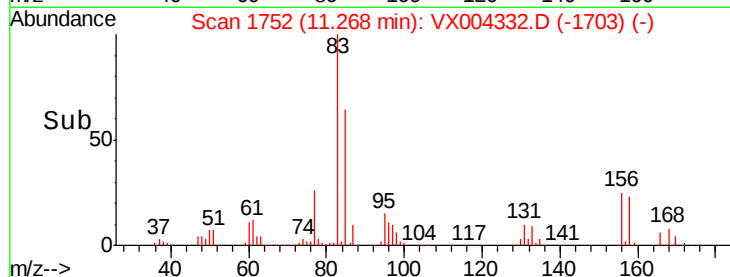
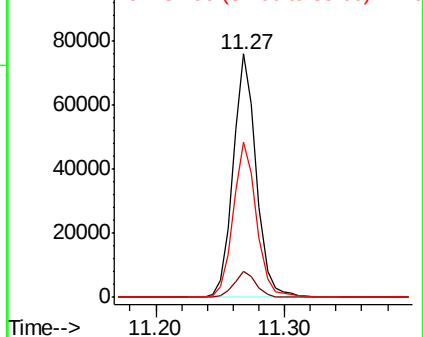
85 64.4 32.3 96.8



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: 27.03 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004332.D

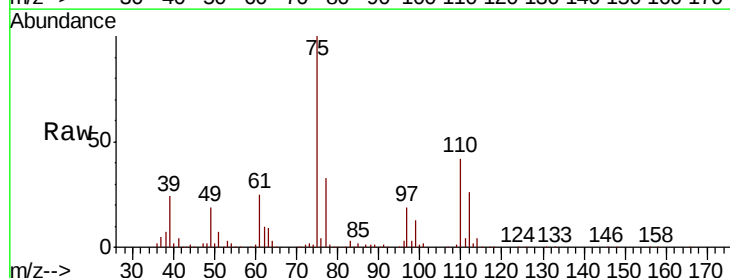
Acq: 31 Aug 2018 17:53

Tgt Ion: 75 Resp: 104652

Ion Ratio Lower Upper

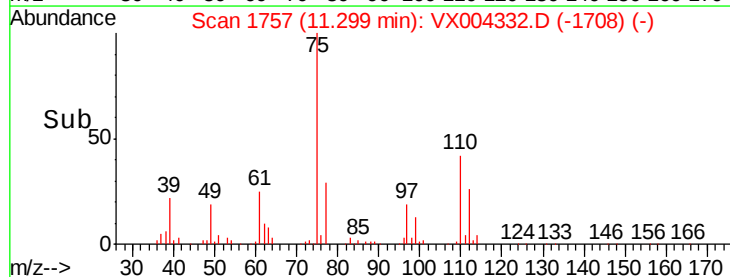
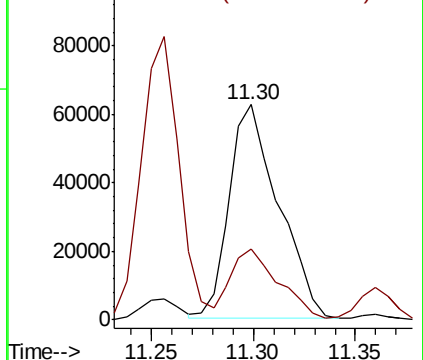
75 100

77 32.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.59 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS01

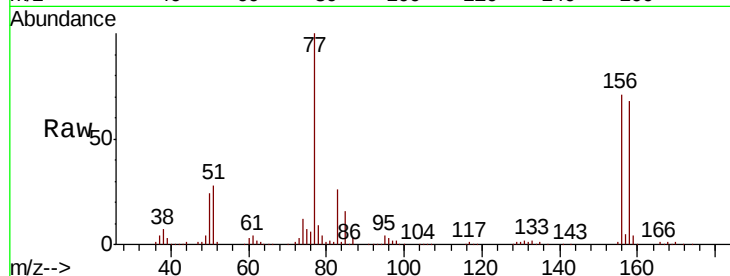
Tot Ion:156 Resp: 72210

Ion Ratio Lower Upper

156 100

77 147.3 71.5 214.3

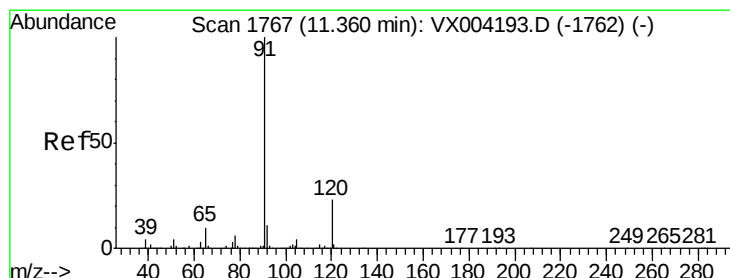
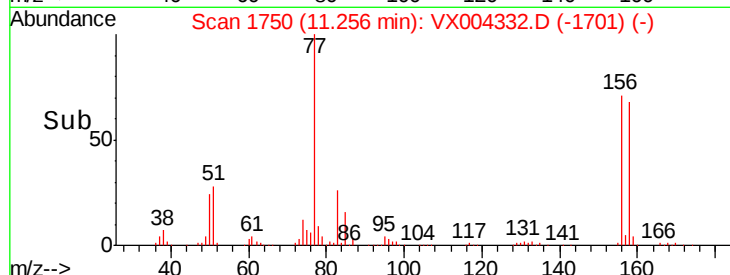
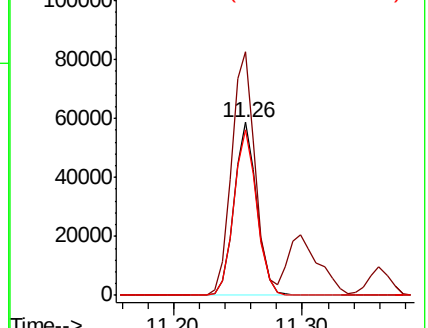
158 97.1 48.9 146.8



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: 19.29 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004332.D

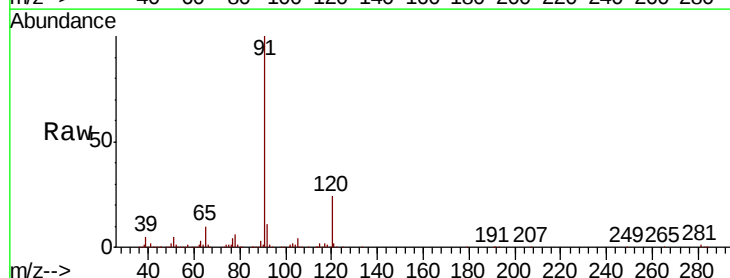
Acq: 31 Aug 2018 17:53

Tgt Ion: 91 Resp: 277479

Ion Ratio Lower Upper

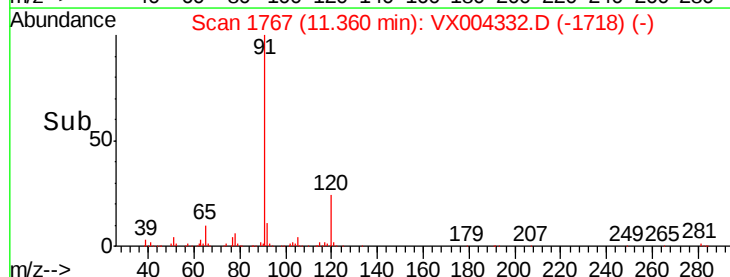
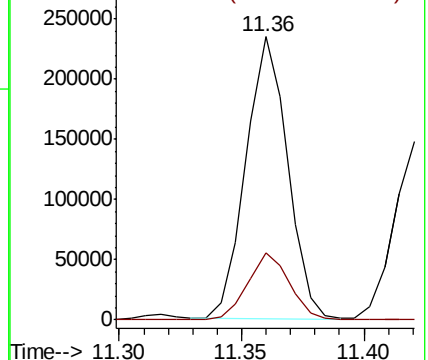
91 100

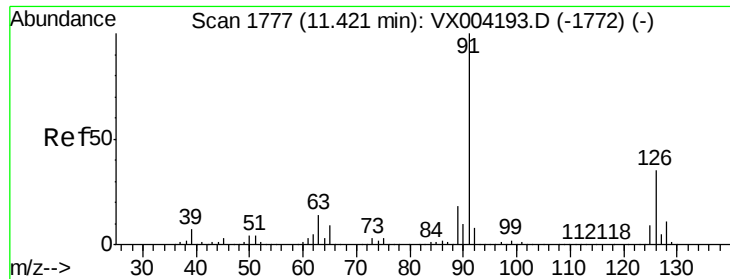
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

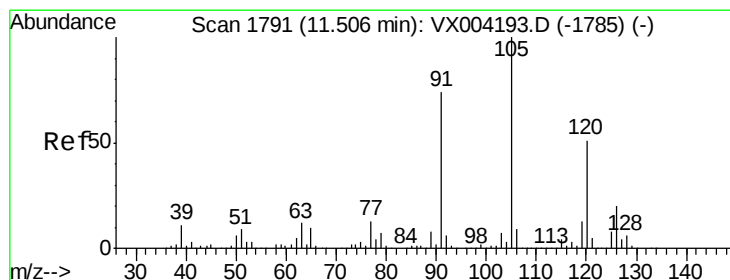
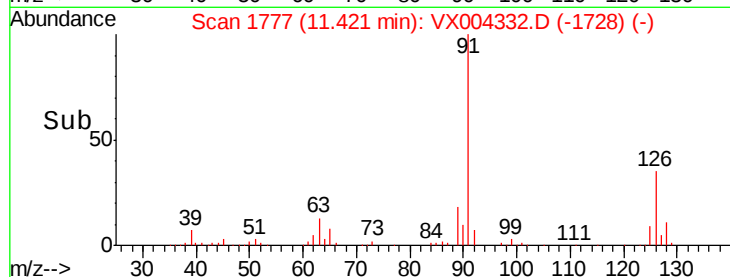
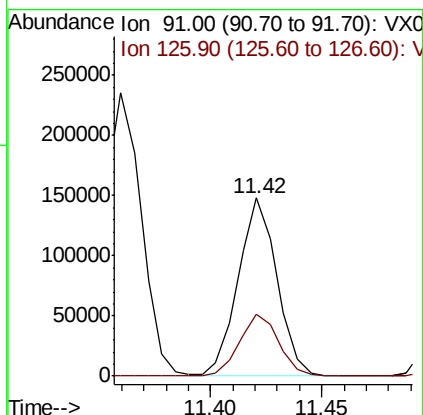
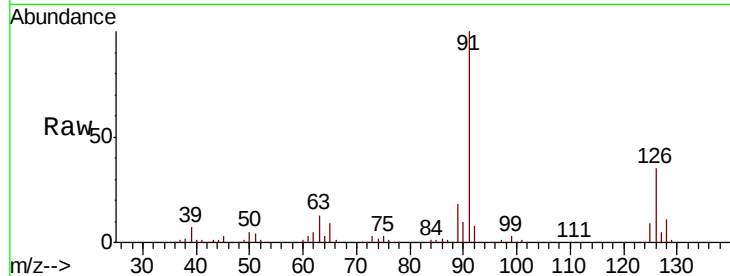




#79
 2-Chlorotoluene
 Concen: 20.20 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

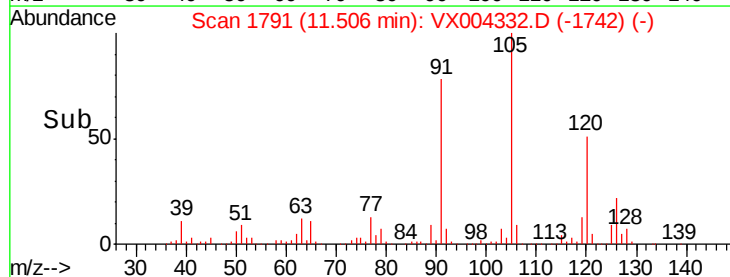
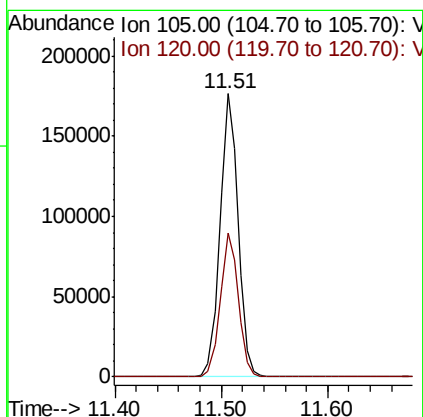
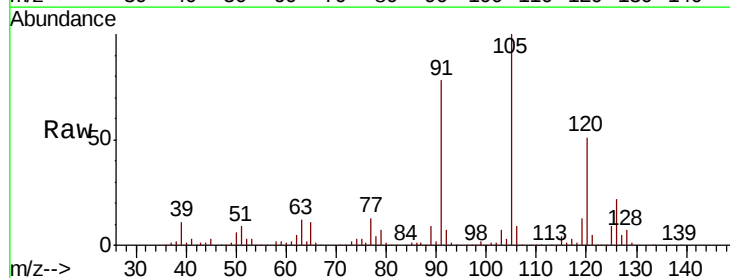
Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS01

Tot Ion: 91 Resp: 178852
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.14 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion:105 Resp: 208567
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.51 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS01

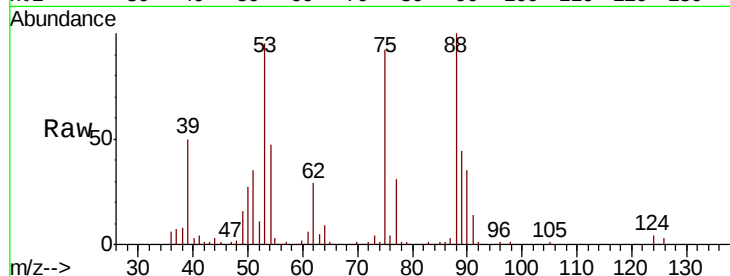
Tot Ion: 75 Resp: 23284

Ion Ratio Lower Upper

75 100

53 109.9 80.1 120.1

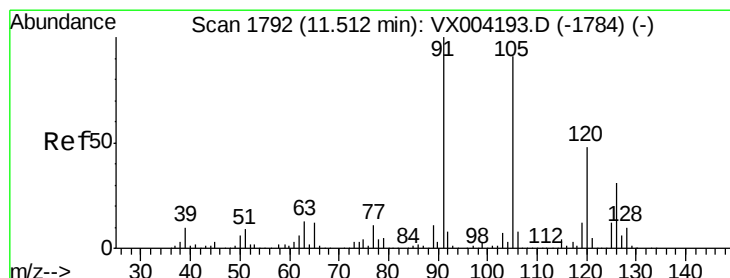
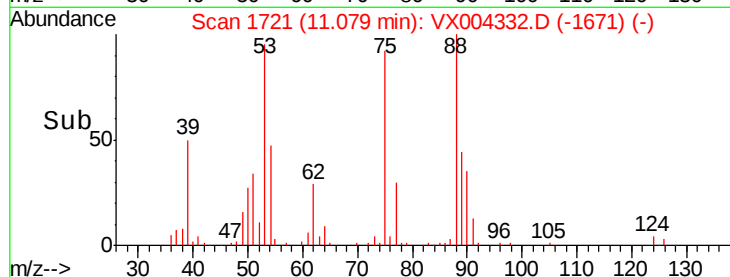
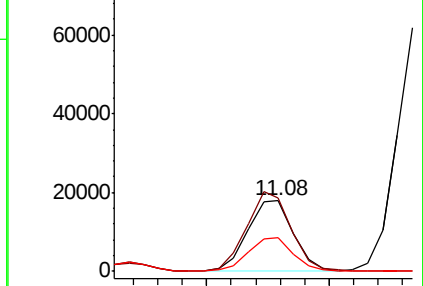
89 46.7 37.2 55.8



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: VX004332.D

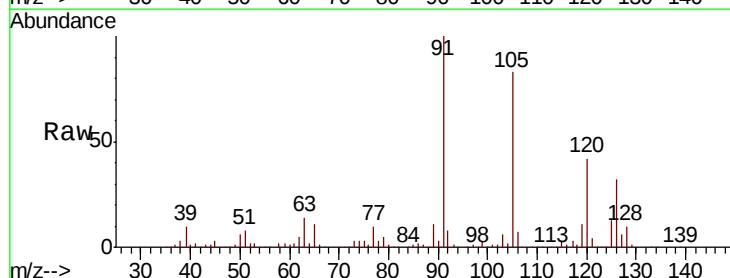
Acq: 31 Aug 2018 17:53

Tgt Ion: 91 Resp: 208972

Ion Ratio Lower Upper

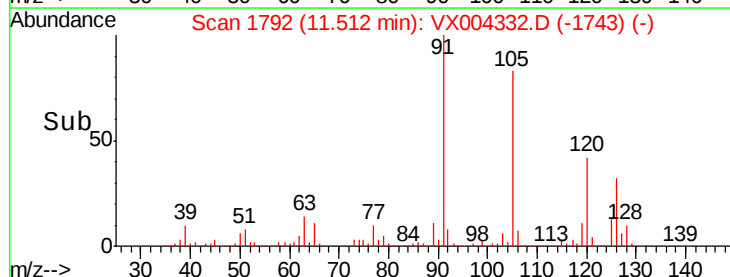
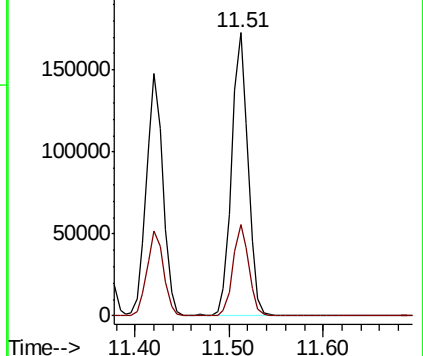
91 100

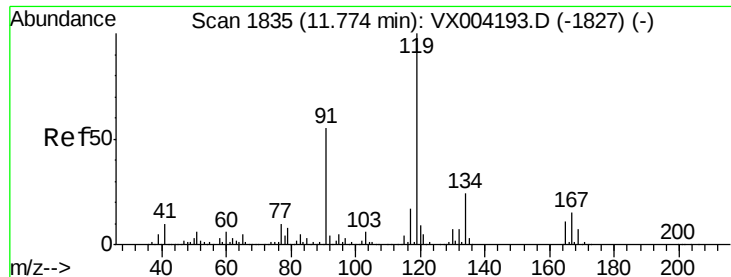
126 31.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

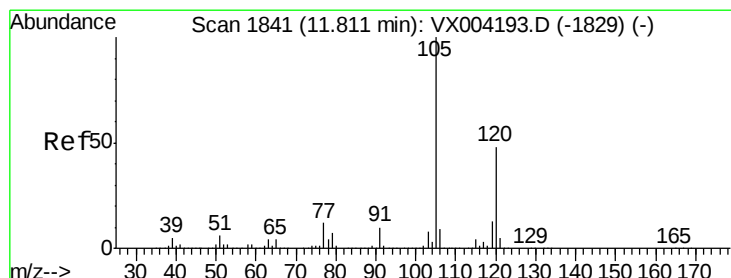
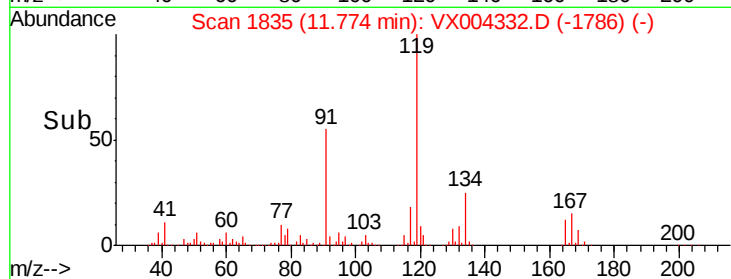
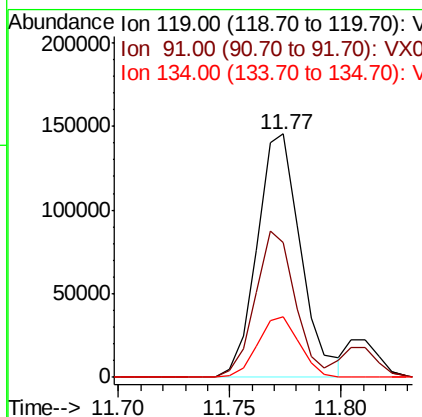
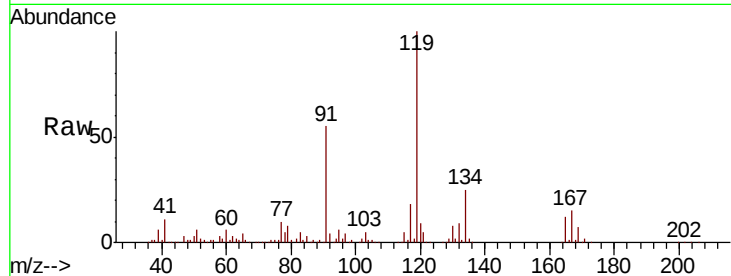




#83
 tert-Butylbenzene
 Concen: 19.08 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

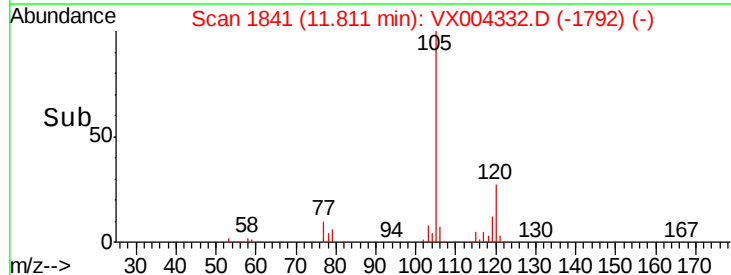
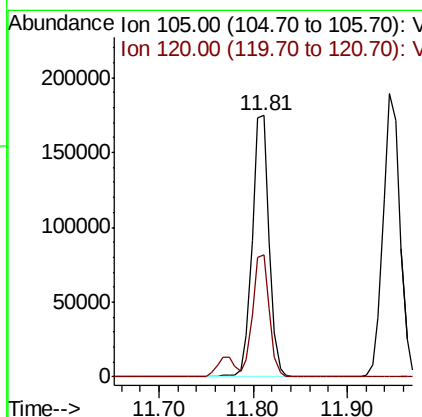
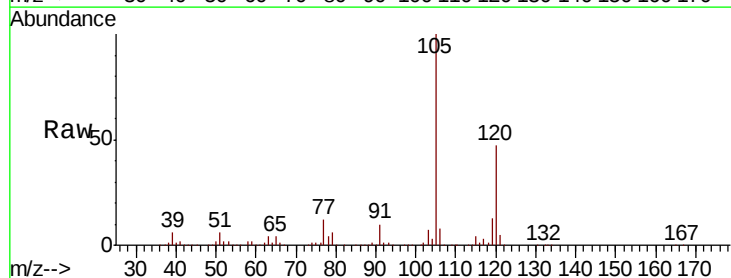
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

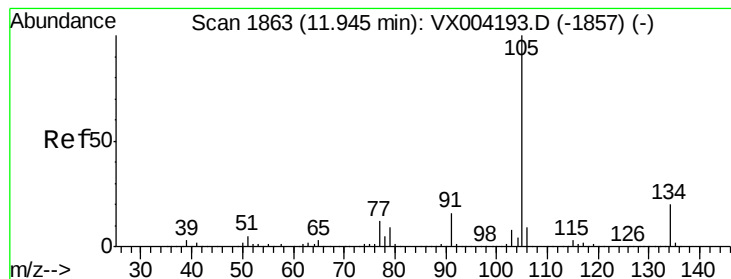
Tot Ion:119 Resp: 198809
 Ion Ratio Lower Upper
 119 100
 91 55.0 27.0 81.0
 134 24.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.75 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion:105 Resp: 220537
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.06 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

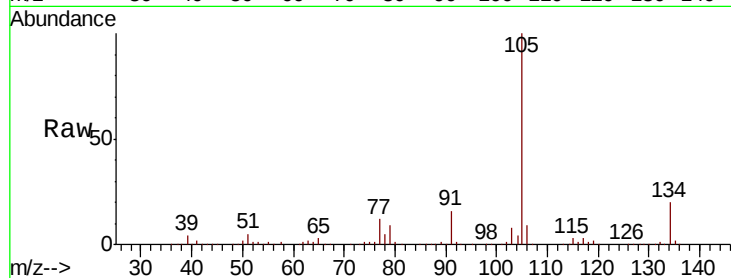
VX0831WBS01

Tot Ion:105 Resp: 235720

Ion Ratio Lower Upper

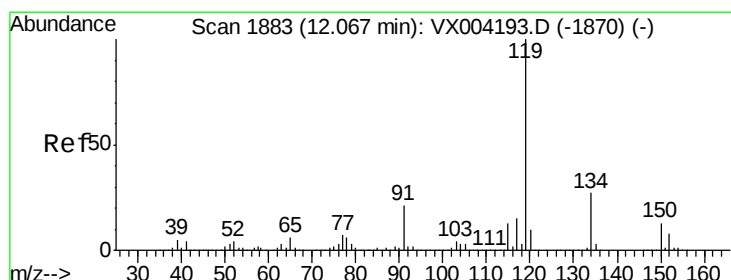
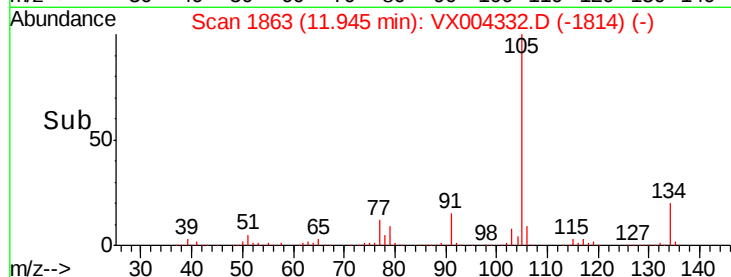
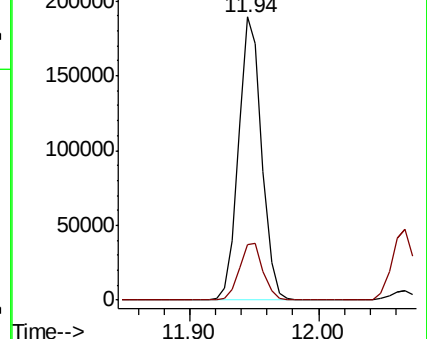
105 100

134 20.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

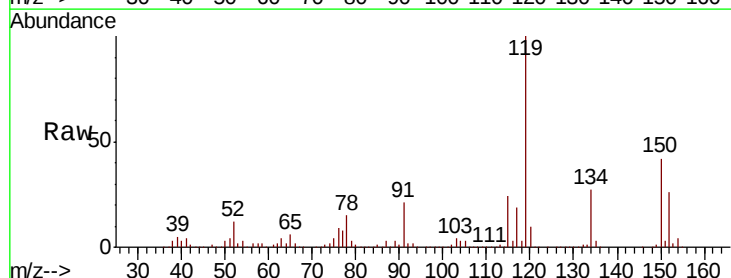
Tgt Ion:119 Resp: 213725

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

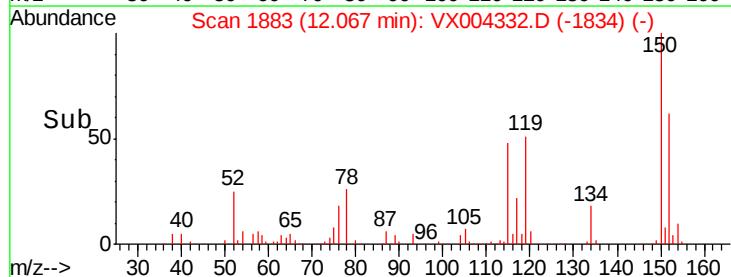
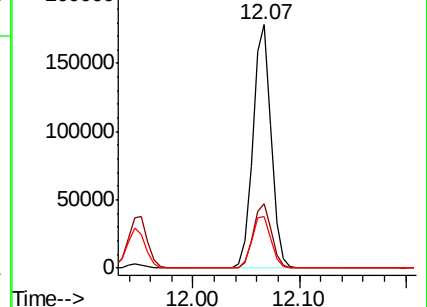
91 22.3 10.9 32.7

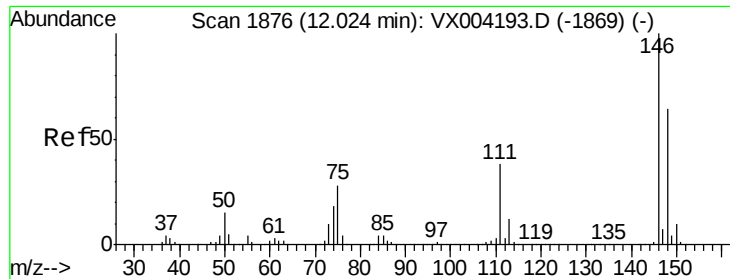


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

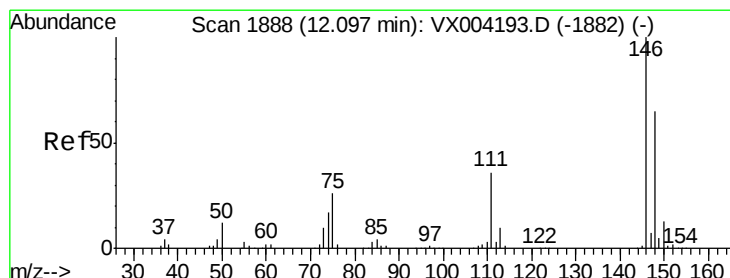
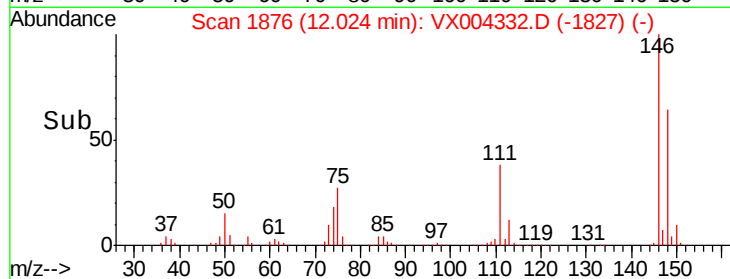
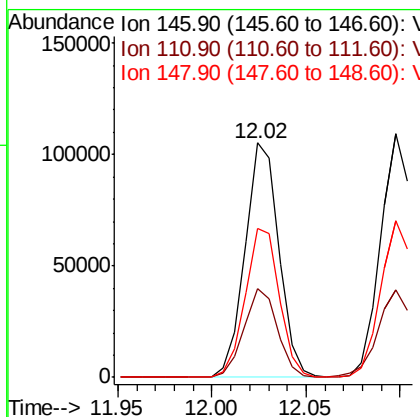
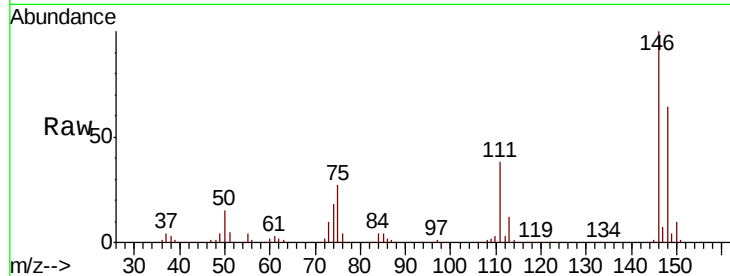




#87
 1,3-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

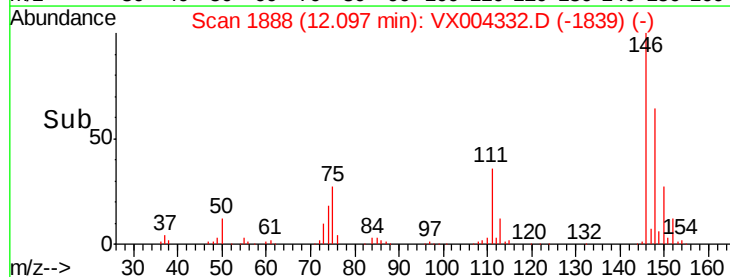
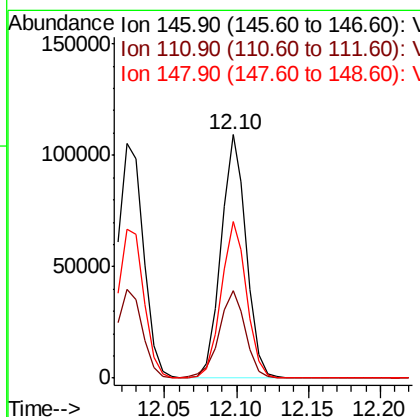
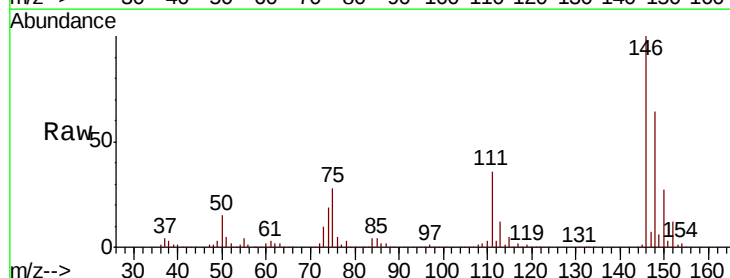
Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS01

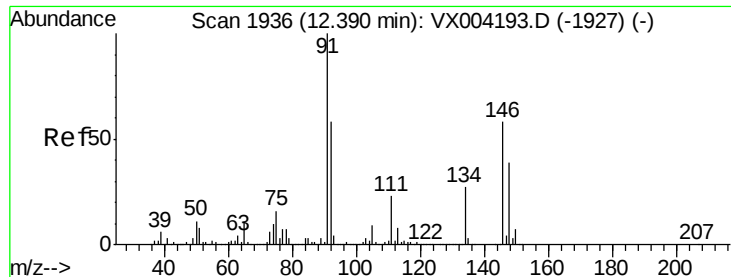
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	65.0	32.0	96.0

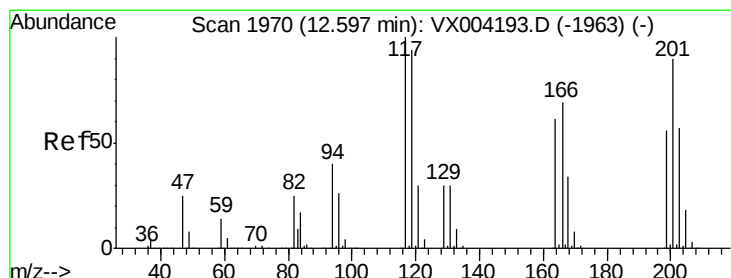
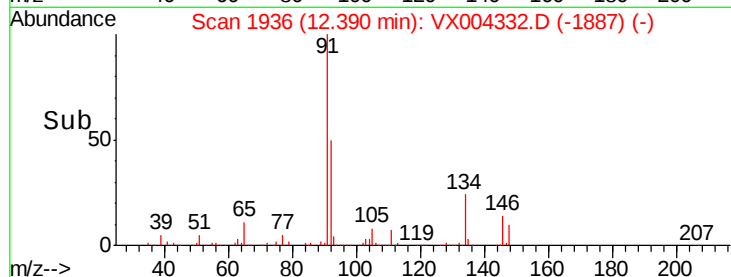
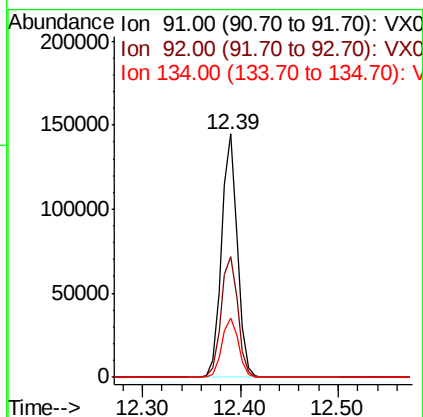
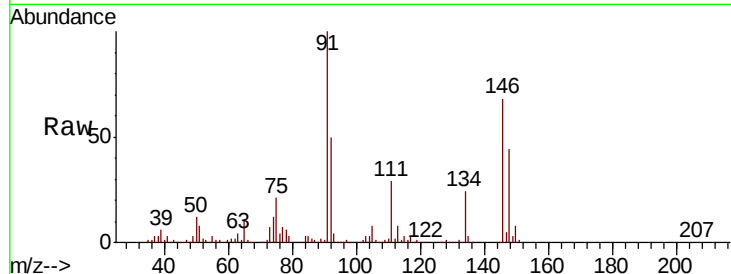




#89
n-Butylbenzene
Concen: 18.00 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

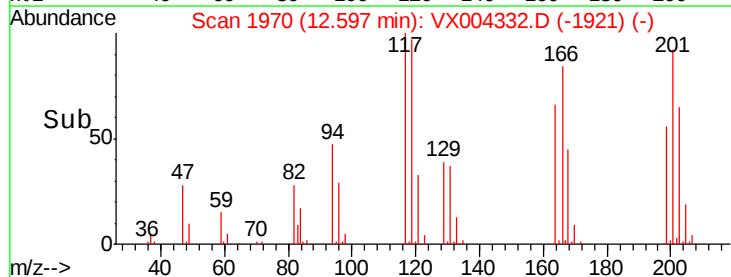
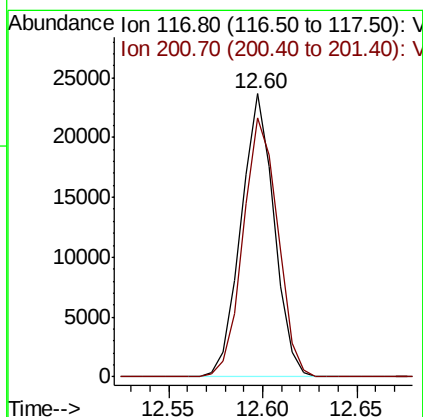
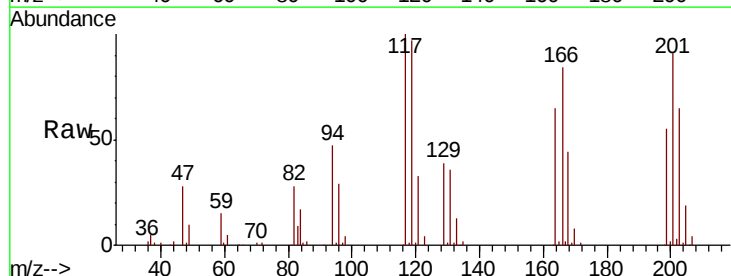
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS01

Tot Ion: 91 Resp: 162232
Ion Ratio Lower Upper
91 100
92 52.6 27.3 81.9
134 25.8 13.6 40.7



#90
Hexachloroethane
Concen: 18.63 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion: 117 Resp: 28861
Ion Ratio Lower Upper
117 100
201 95.6 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 21.06 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS01

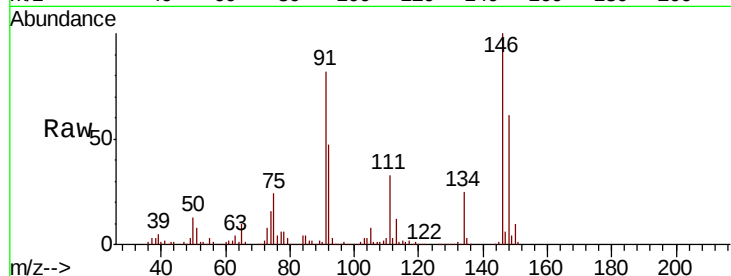
Tot Ion:146 Resp: 127139

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

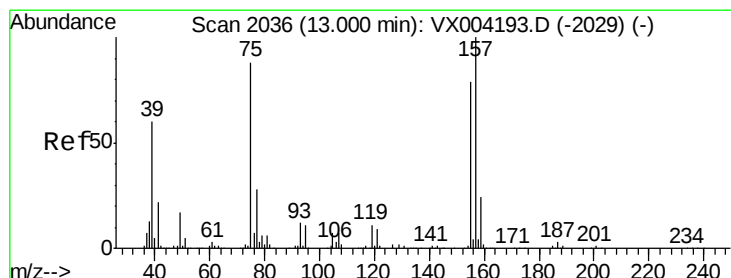
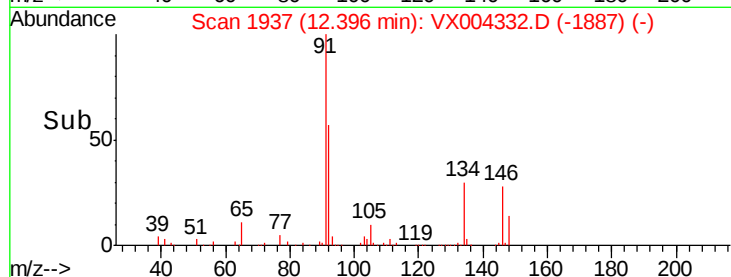
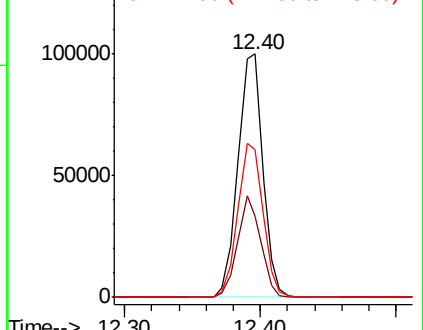
148 64.3 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.20 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

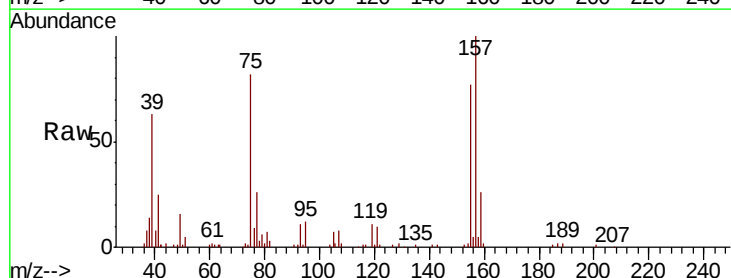
Tgt Ion: 75 Resp: 16339

Ion Ratio Lower Upper

75 100

155 98.4 48.0 144.2

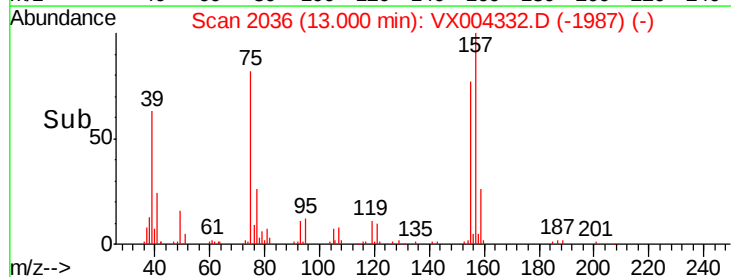
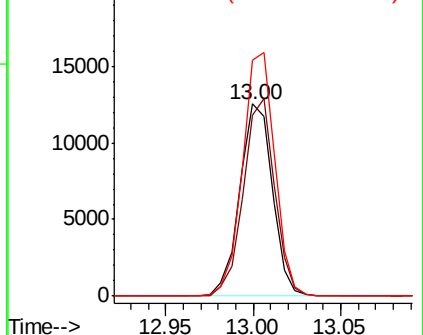
157 124.8 61.4 184.1

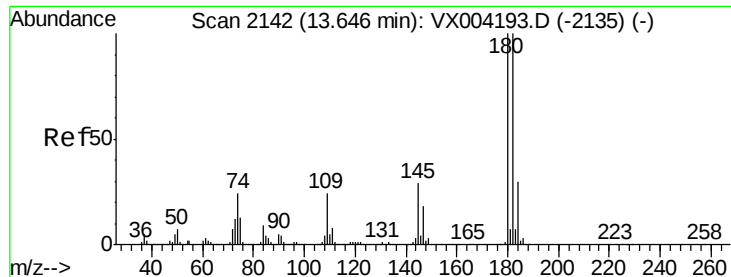


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

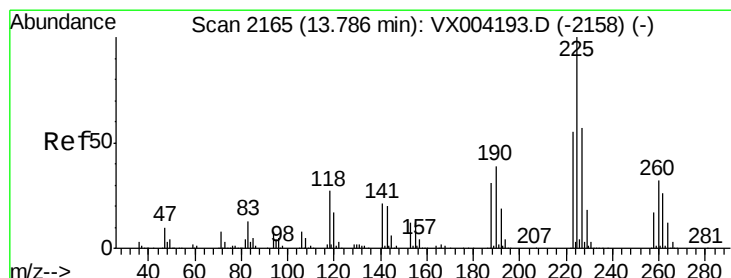
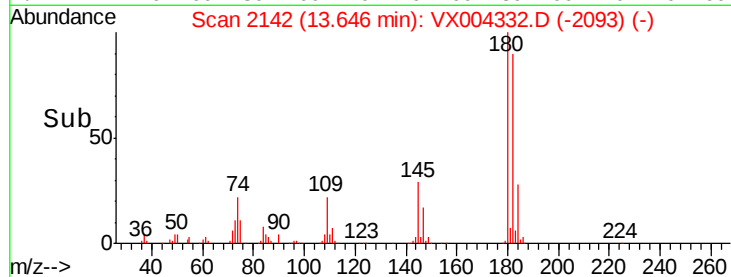
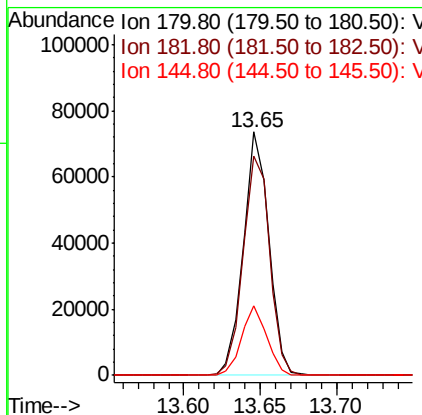
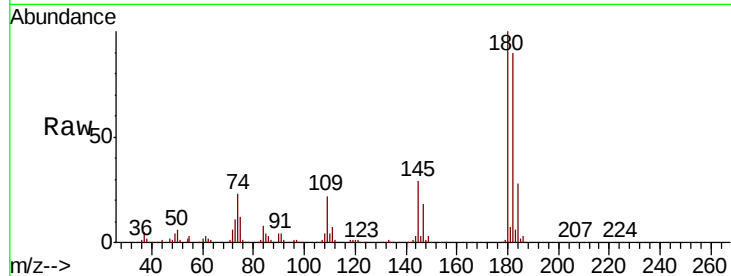




#93
 1,2,4-Trichlorobenzene
 Concen: 19.35 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

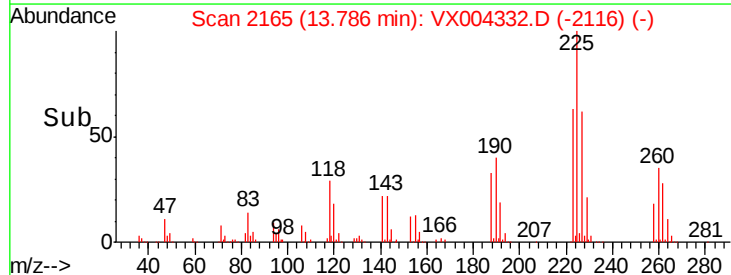
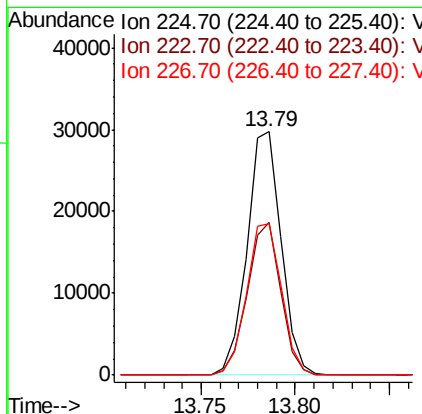
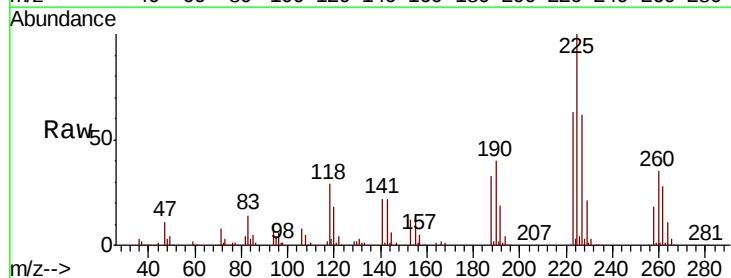
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS01

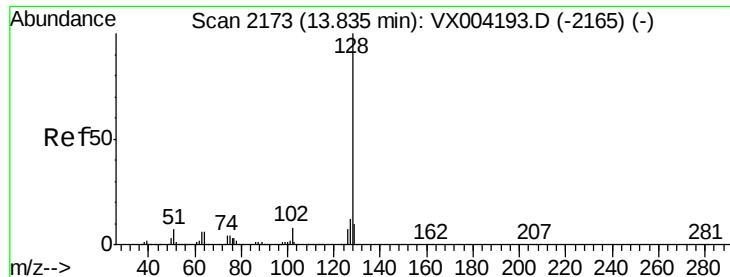
Tot Ion:180 Resp: 84999
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.4 145.0
 145 28.1 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 18.19 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004332.D
 Acq: 31 Aug 2018 17:53

Tgt Ion:225 Resp: 37346
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.1 90.5
 227 63.5 30.8 92.4

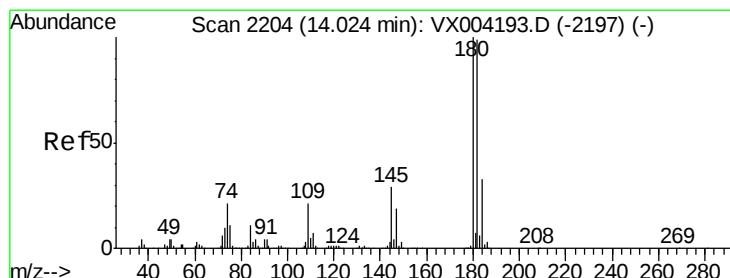
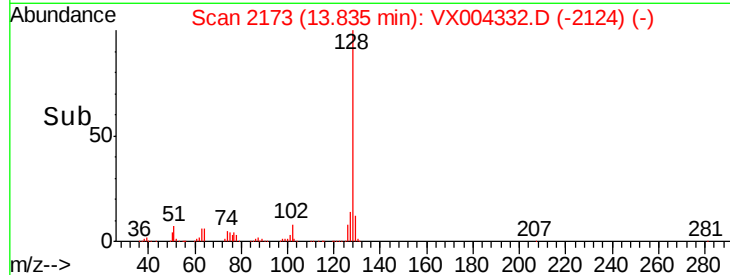
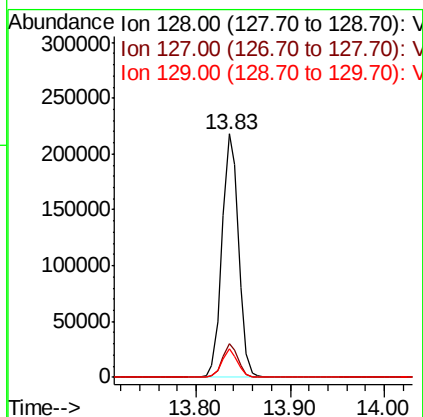
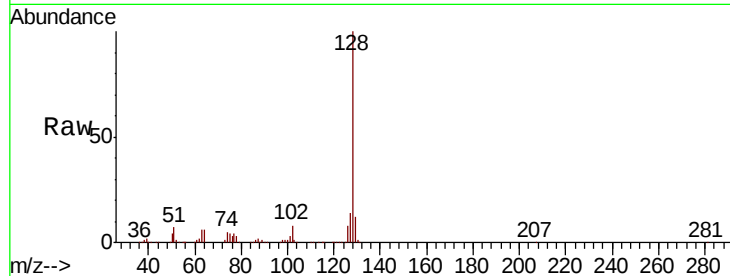




#95
Naphthalene
Concen: 21.42 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.26 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX004332.D
Acq: 31 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.5	145.6
145	29.7	14.9	44.9

