

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004216.D
 Acq On : 23 Aug 2018 10:35
 Operator : JC/MD
 Sample : VX0823WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Quant Time: Aug 24 09:35:15 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	371818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	526911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	497409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290289	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	228193	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	5.49	113	196933	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	8.71	98	747124	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.14	95	267603	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	91041	21.14	ug/l	98
3) Chloromethane	1.32	50	90199	19.13	ug/l	99
4) Vinyl Chloride	1.40	62	96008	19.71	ug/l	97
5) Bromomethane	1.64	94	53082	20.93	ug/l	98
6) Chloroethane	1.72	64	66188	18.41	ug/l	97
7) Trichlorofluoromethane	1.93	101	131743	19.73	ug/l	95
8) Diethyl Ether	2.18	74	55951	19.57	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81932	19.59	ug/l	98
10) Methyl Iodide	2.51	142	66847	17.22	ug/l	98
11) Tert butyl alcohol	3.06	59	96499	93.41	ug/l	100
12) 1,1-Dichloroethene	2.37	96	75555	19.18	ug/l	97
13) Acrolein	2.29	56	21875	87.83	ug/l	96
14) Allyl chloride	2.73	41	136376	18.84	ug/l	99
15) Acrylonitrile	3.14	53	224748	87.85	ug/l	100
16) Acetone	2.44	43	192582	92.25	ug/l	99
17) Carbon Disulfide	2.57	76	206709	19.39	ug/l	99
18) Methyl Acetate	2.78	43	134018	18.64	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	254154	19.58	ug/l	99
20) Methylene Chloride	2.86	84	86029	18.44	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	82445	18.91	ug/l	98
22) Diisopropyl ether	3.87	45	249083	18.43	ug/l	95
23) Vinyl Acetate	3.82	43	1018199	92.97	ug/l	99
24) 1,1-Dichloroethane	3.70	63	150136	19.07	ug/l	99
25) 2-Butanone	4.70	43	293099	88.42	ug/l	99
26) 2,2-Dichloropropane	4.58	77	119219	19.30	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	94599	19.13	ug/l	98
28) Bromochloromethane	5.01	49	71143	20.41	ug/l	98
29) Tetrahydrofuran	5.15	42	184194	88.46	ug/l	98
30) Chloroform	5.21	83	148975	18.87	ug/l	97
31) Cyclohexane	5.57	56	133453	19.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	126568	19.22	ug/l	99
36) 1,1-Dichloropropene	5.79	75	114270	19.29	ug/l	98
37) Ethyl Acetate	4.85	43	109558	18.81	ug/l	100
38) Carbon Tetrachloride	5.78	117	109446	19.64	ug/l	94

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 Acq On : 23 Aug 2018 10:35
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 Sample : VX0823WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Quant Time: Aug 24 09:35:15 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	135494	20.03	ug/l	98
40) Benzene	6.14	78	343589	19.41	ug/l	99
41) Methacrylonitrile	5.06	41	62214	18.42	ug/l	98
42) 1,2-Dichloroethane	6.20	62	116056	19.22	ug/l	100
43) Isopropyl Acetate	6.46	43	169122	18.89	ug/l	99
44) Trichloroethene	7.21	130	94102	19.21	ug/l	98
45) 1,2-Dichloropropane	7.51	63	86498	19.53	ug/l	99
46) Dibromomethane	7.66	93	55121	18.69	ug/l	97
47) Bromodichloromethane	7.90	83	106410	19.39	ug/l	99
48) Methyl methacrylate	7.78	41	89781	18.74	ug/l	99
49) 1,4-Dioxane	7.75	88	41649	382.96	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	570989	87.79	ug/l	99
52) Toluene	8.78	92	221930	20.03	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	119137	19.65	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	131091	19.85	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	87181	19.49	ug/l	99
56) Ethyl methacrylate	9.18	69	119974	19.70	ug/l	99
57) 1,3-Dichloropropane	9.37	76	146787	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	328282	105.23	ug/l	100
59) 2-Hexanone	9.49	43	435987	87.86	ug/l	100
60) Dibromochloromethane	9.59	129	83727	19.21	ug/l	100
61) 1,2-Dibromoethane	9.67	107	90944	19.65	ug/l	98
64) Tetrachloroethene	9.34	164	91026	18.52	ug/l	99
65) Chlorobenzene	10.14	112	244793	19.61	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	81019	18.82	ug/l	99
67) Ethyl Benzene	10.25	91	388727	19.17	ug/l	97
68) m/p-Xylenes	10.36	106	313011	39.48	ug/l	99
69) o-Xylene	10.70	106	141523	18.87	ug/l	96
70) Styrene	10.71	104	240850	19.84	ug/l	99
71) Bromoform	10.86	173	59688	17.20	ug/l #	97
73) Isopropylbenzene	11.02	105	406720	21.33	ug/l	100
74) N-amyl acetate	10.90	43	142044	19.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	121250	18.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	138600	23.48	ug/l	85
77) Bromobenzene	11.26	156	102331	19.13	ug/l	97
78) n-propylbenzene	11.36	91	446174	20.35	ug/l	99
79) 2-Chlorotoluene	11.42	91	262196	19.43	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	316662	20.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	34254	18.82	ug/l	97
82) 4-Chlorotoluene	11.51	91	300803	18.94	ug/l	99
83) tert-Butylbenzene	11.77	119	318190	20.03	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	347045	21.41	ug/l	97
85) sec-Butylbenzene	11.95	105	401814	21.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	350764	20.75	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	194061	19.27	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	209614	19.74	ug/l	98
89) n-Butylbenzene	12.39	91	313829	22.83	ug/l	100
90) Hexachloroethane	12.60	117	50419	21.34	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	206031	22.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23934	20.37	ug/l	99

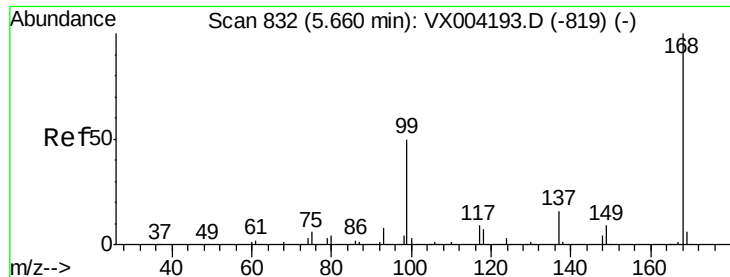
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082318\
Data File : VX004216.D
Acq On : 23 Aug 2018 10:35
Operator : JC/MD
Sample : VX0823WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Quant Time: Aug 24 09:35:15 2018
Quant Method : Z:\V0ASRV\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	131697	19.67	ug/l	97
94) Hexachlorobutadiene	13.79	225	62198	19.88	ug/l	94
95) Naphthalene	13.83	128	393078	20.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	140867	19.87	ug/l	98

(#) = 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: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

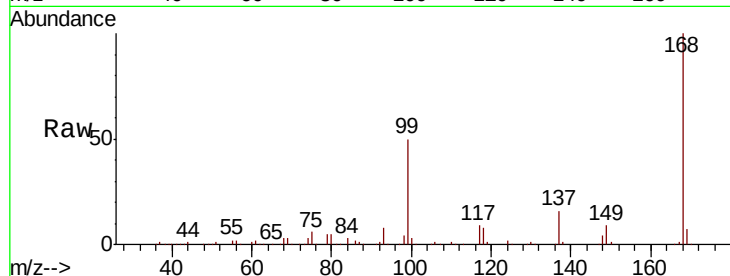
VX0823WBS01

Tot Ion:168 Resp: 371818

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

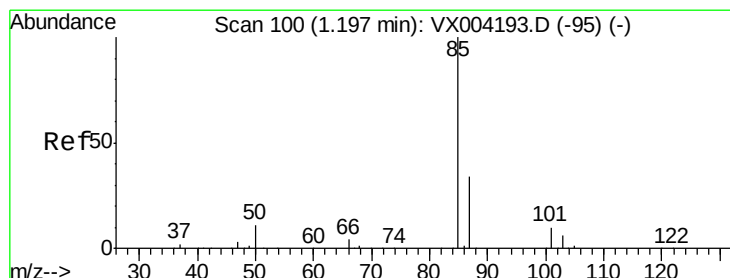
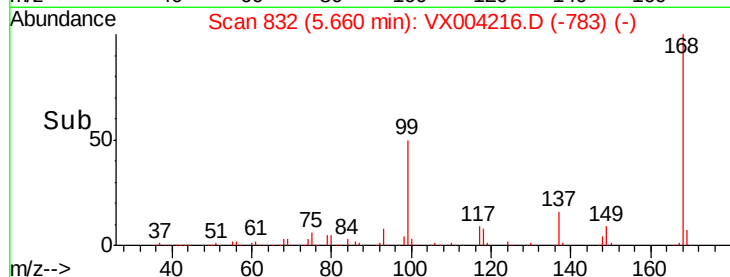
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.14 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX004216.D

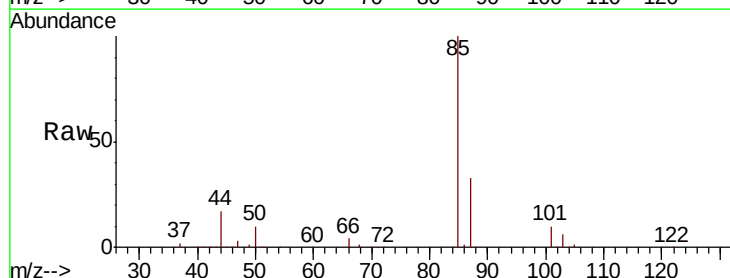
Acq: 23 Aug 2018 10:35

Tgt Ion: 85 Resp: 91041

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

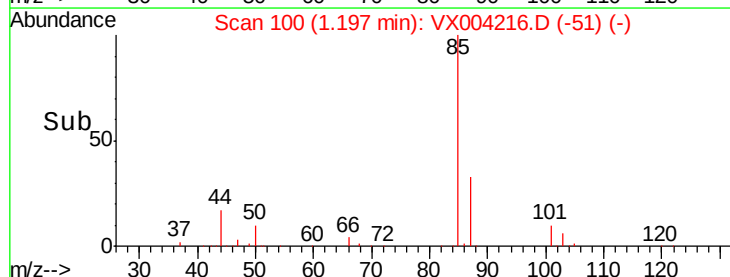
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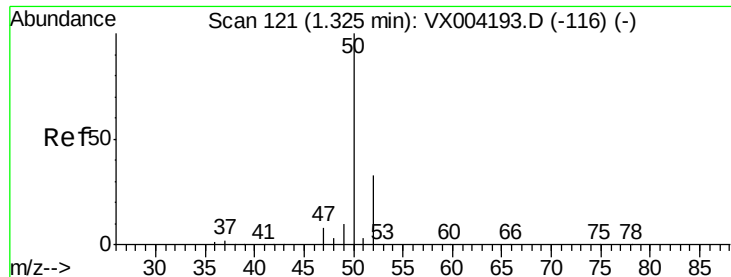
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

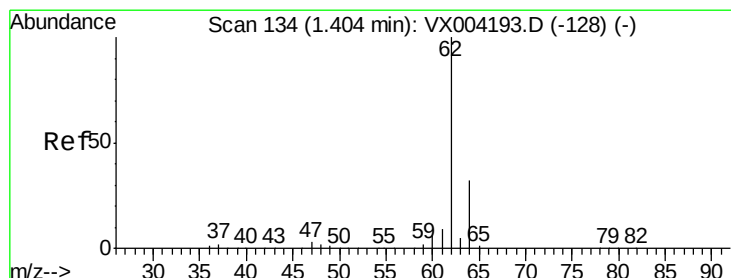
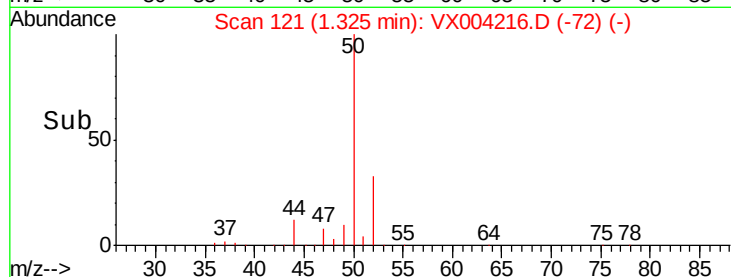
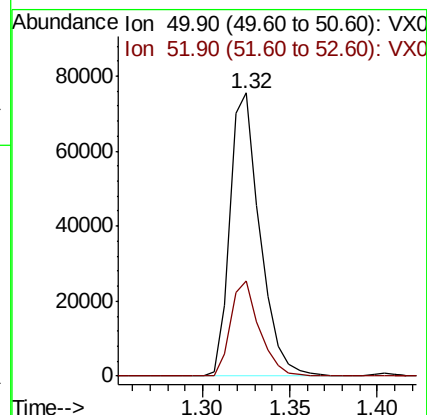
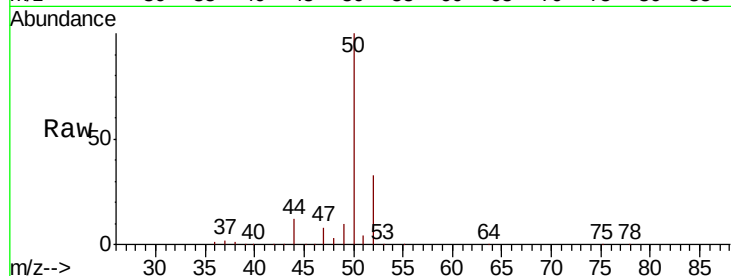
VX0823WBS01

Tot Ion: 50 Resp: 90199

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.2



#4

Vinyl Chloride

Concen: 19.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004216.D

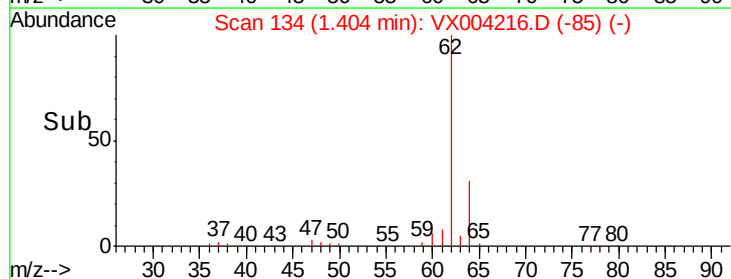
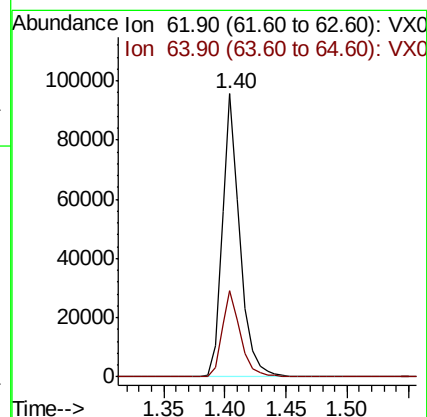
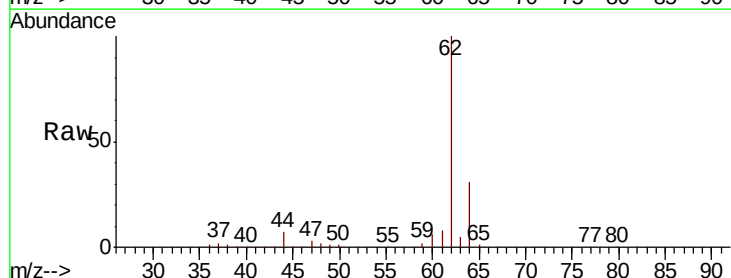
Acq: 23 Aug 2018 10:35

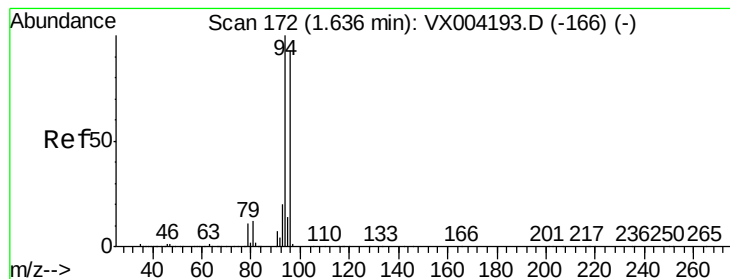
Tgt Ion: 62 Resp: 96008

Ion Ratio Lower Upper

62 100

64 30.7 25.8 38.8





#5

Bromomethane

Concen: 20.93 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

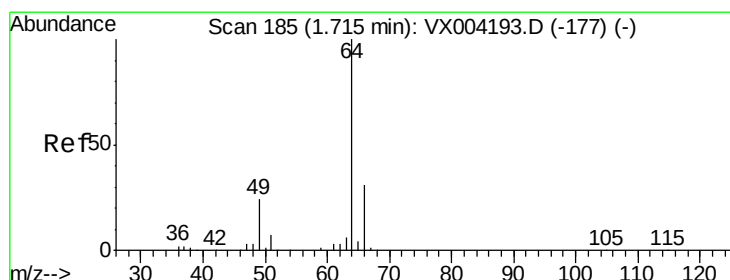
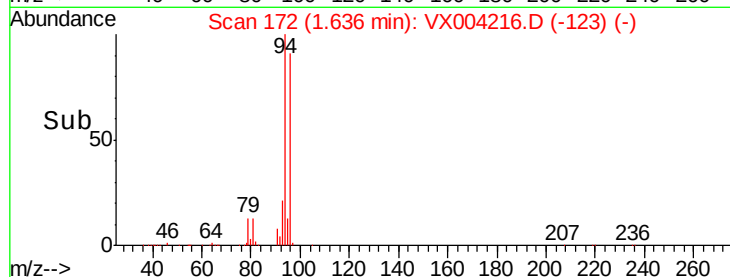
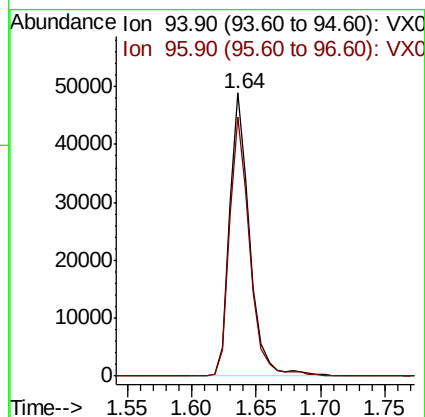
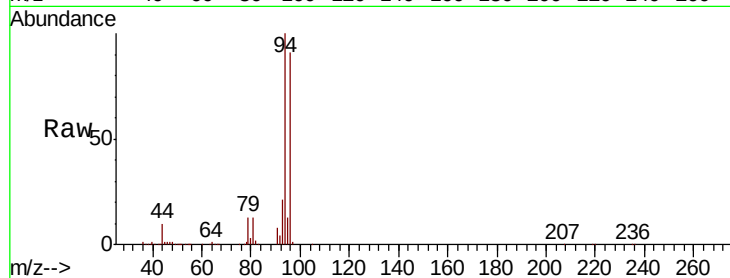
VX0823WBS01

Tot Ion: 94 Resp: 53082

Ion Ratio Lower Upper

94 100

96 91.4 74.5 111.7



#6

Chloroethane

Concen: 18.41 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004216.D

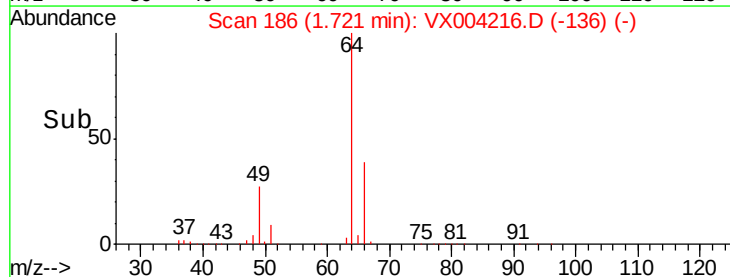
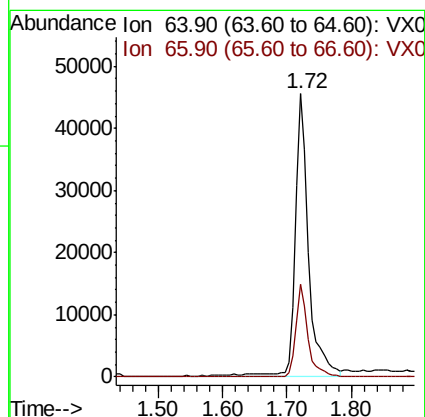
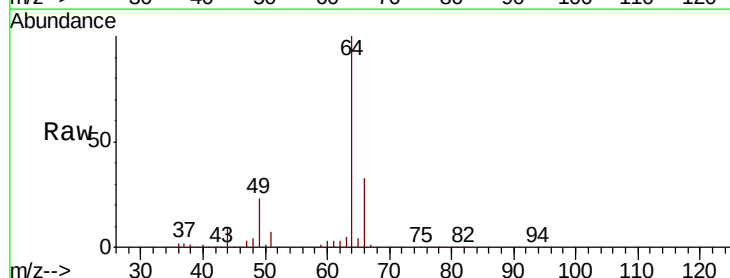
Acq: 23 Aug 2018 10:35

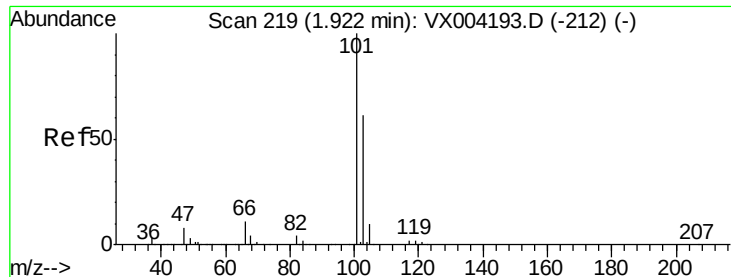
Tgt Ion: 64 Resp: 66188

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8





#7

Trichlorofluoromethane

Concen: 19.73 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

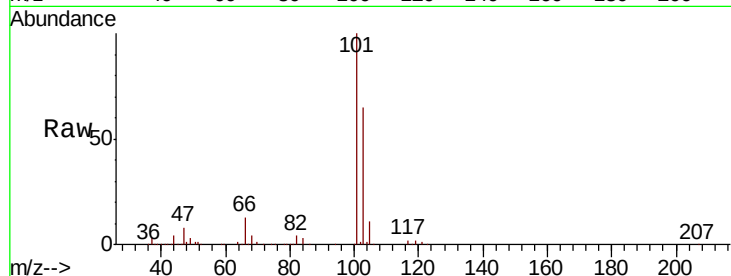
VX0823WBS01

Tot Ion:101 Resp: 131743

Ion Ratio Lower Upper

101 100

103 64.6 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

100000

80000

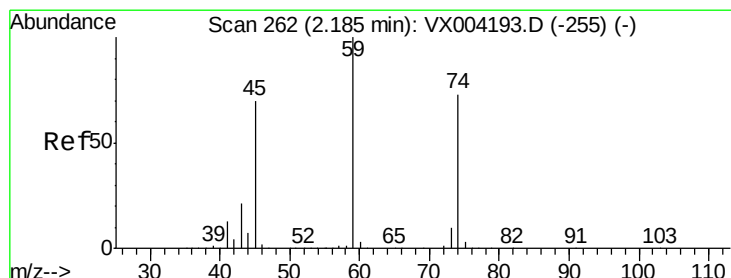
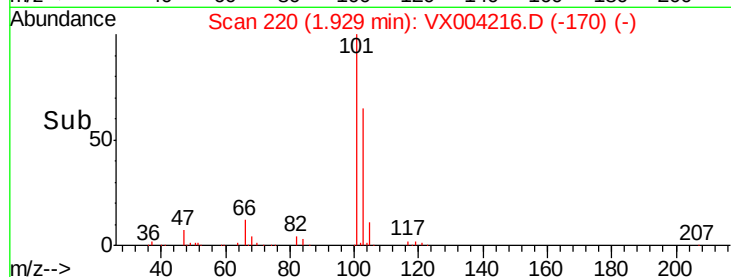
60000

40000

20000

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Time-->



#8

Diethyl Ether

Concen: 19.57 ug/l

RT: 2.18 min Scan# 262

Delta R.T. 0.00 min

Lab File: VX004216.D

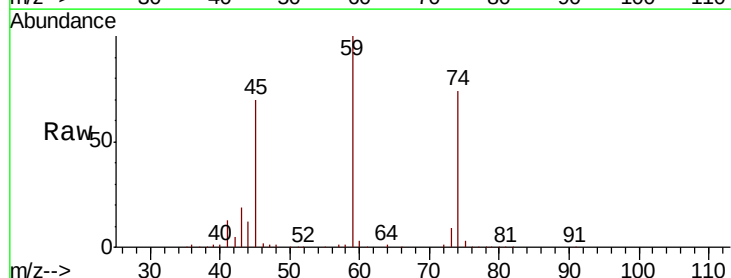
Acq: 23 Aug 2018 10:35

Tgt Ion: 74 Resp: 55951

Ion Ratio Lower Upper

74 100

45 91.9 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

40000

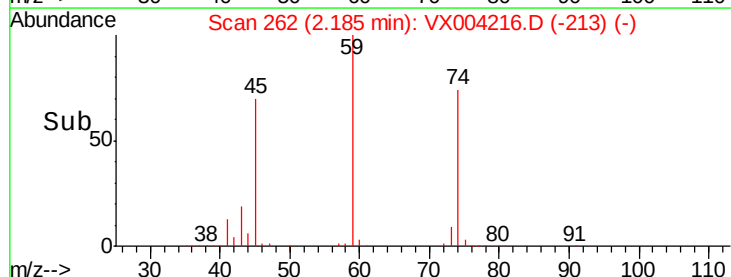
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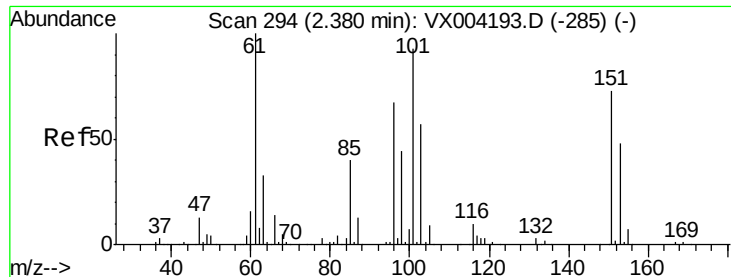
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10000

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Time-->

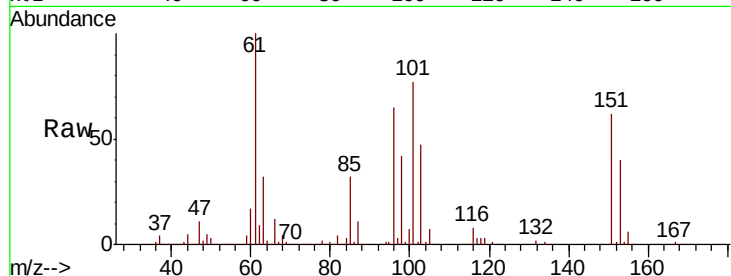




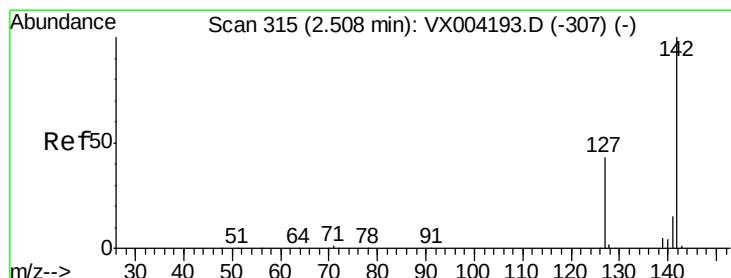
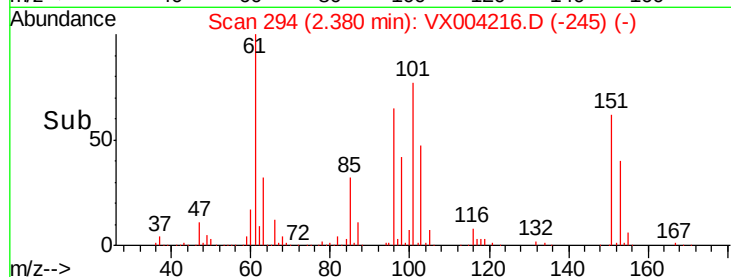
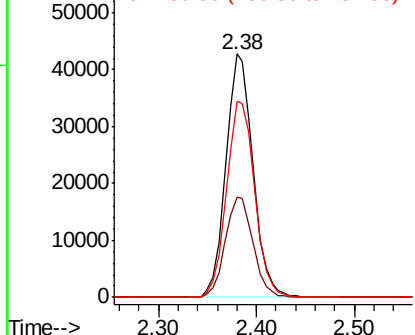
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.59 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion:101 Resp: 81932
 Ion Ratio Lower Upper
 101 100
 85 42.3 34.2 51.4
 151 83.9 65.0 97.6

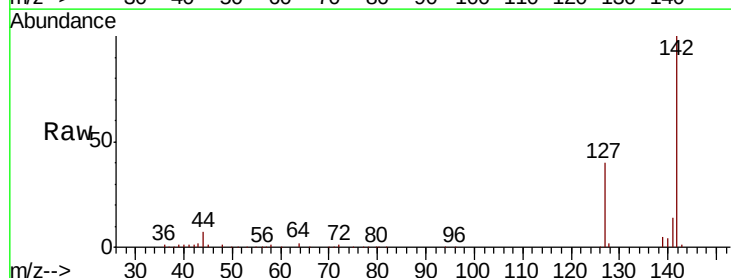


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

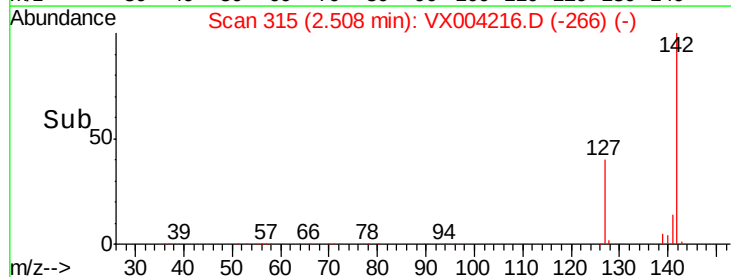
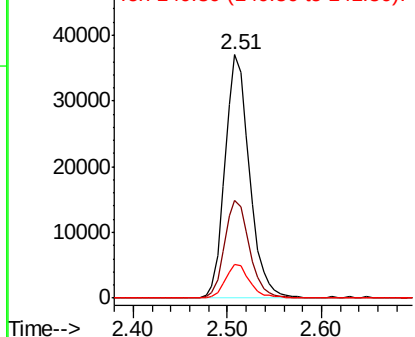


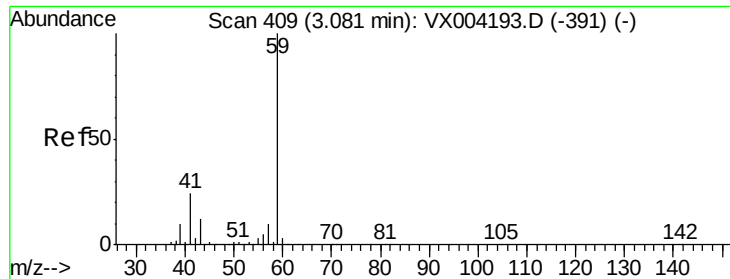
#10
 Methyl Iodide
 Concen: 17.22 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:142 Resp: 66847
 Ion Ratio Lower Upper
 142 100
 127 40.9 33.8 50.6
 141 13.8 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

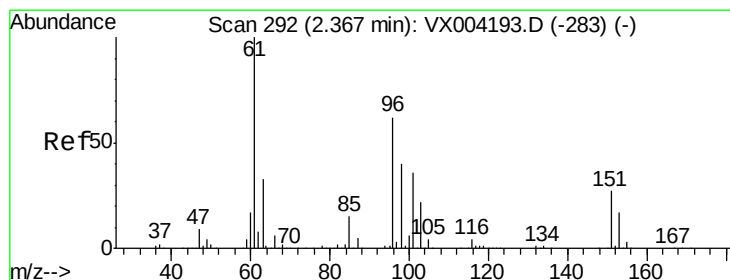
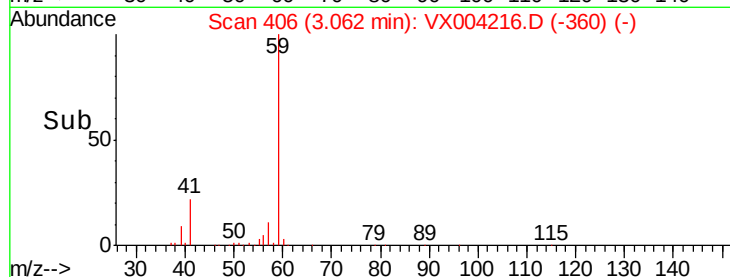
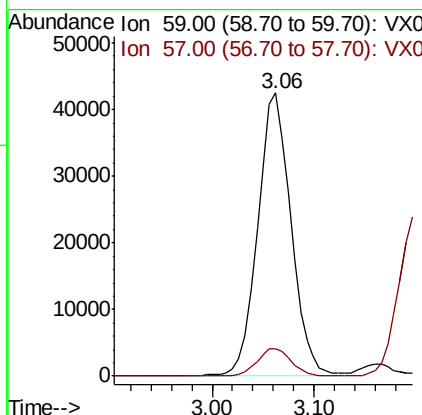
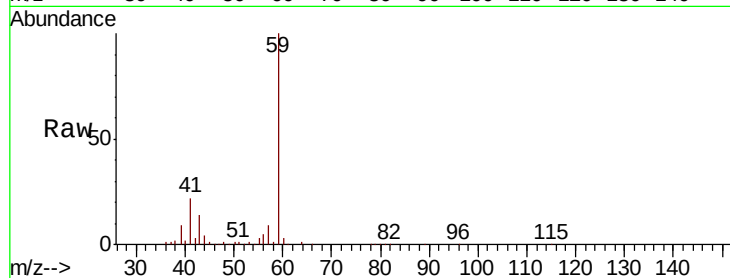




#11
Tert butyl alcohol
Concen: 93.41 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

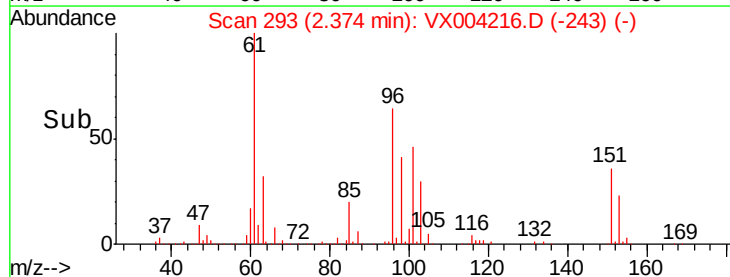
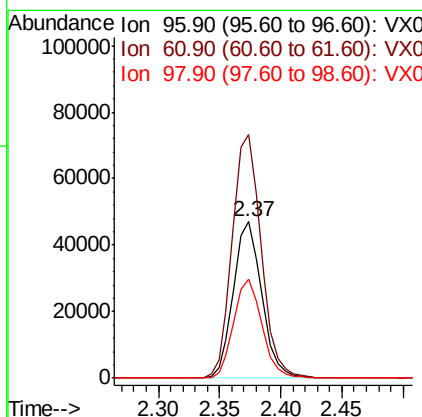
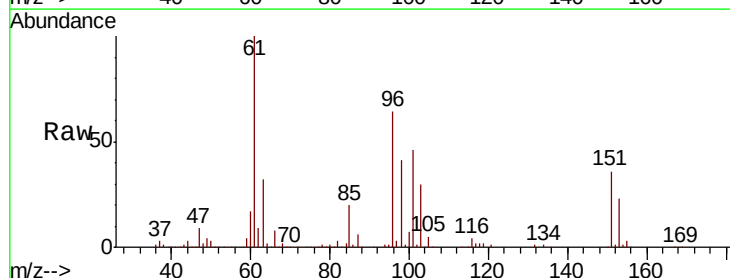
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

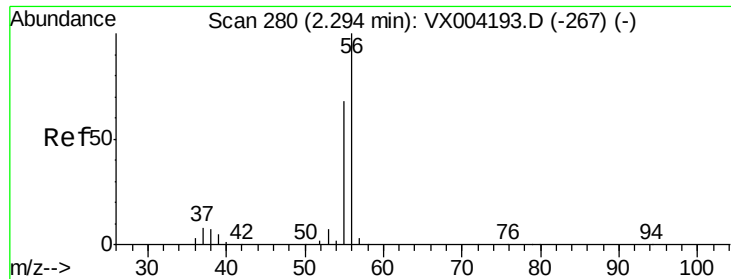
Tot Ion: 59 Resp: 96499
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.18 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 96 Resp: 75555
Ion Ratio Lower Upper
96 100
61 156.0 128.8 193.2
98 63.4 52.2 78.2





#13

Acrolein

Concen: 87.83 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

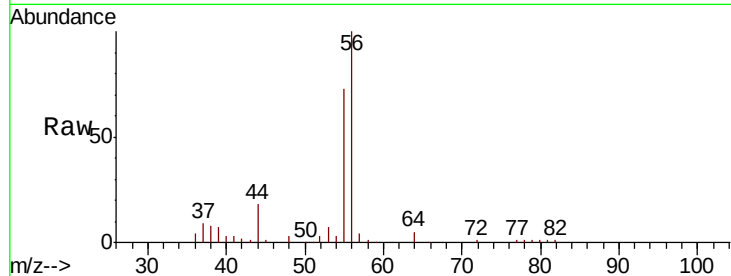
VX0823WBS01

Tot Ion: 56 Resp: 21875

Ion Ratio Lower Upper

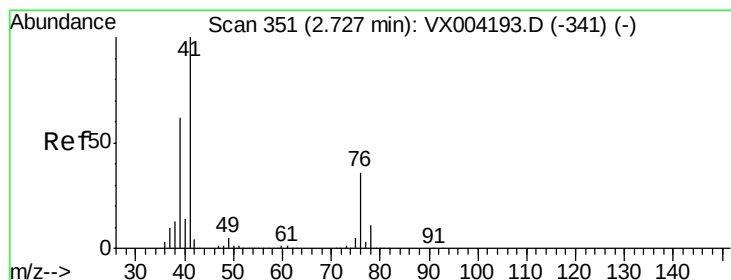
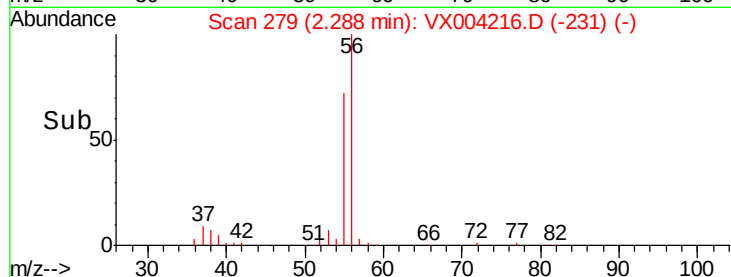
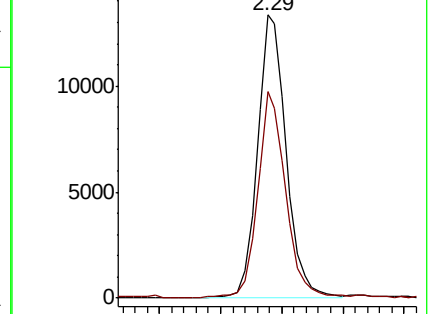
56 100

55 72.0 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.84 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

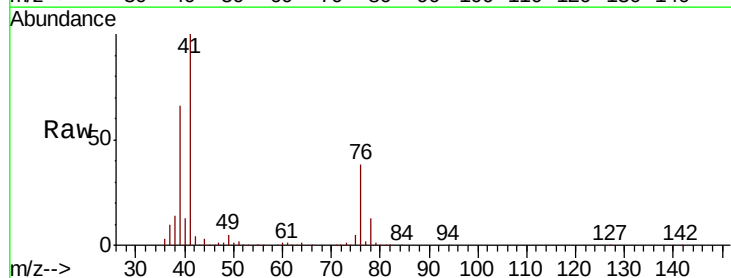
Tgt Ion: 41 Resp: 136376

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

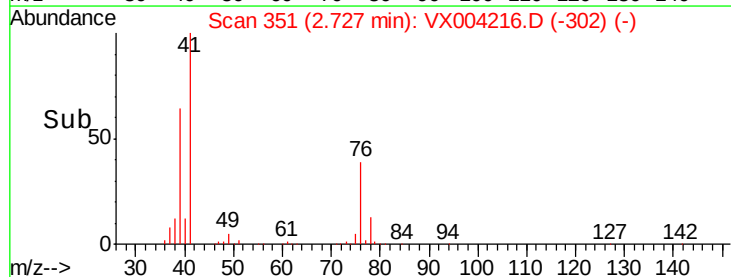
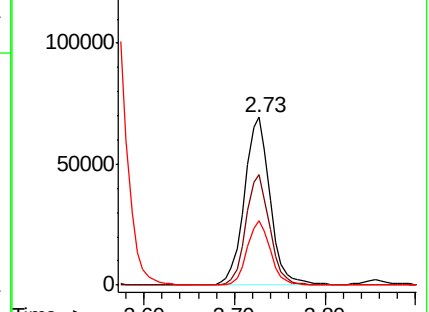
76 34.4 26.7 40.1

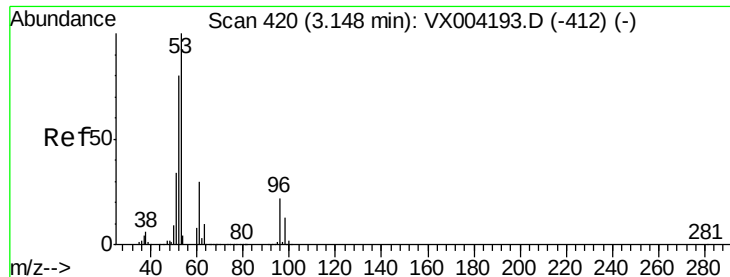


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 87.85 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

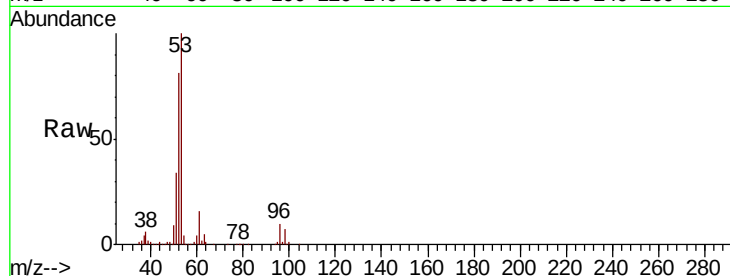
Tot Ion: 53 Resp: 224748

Ion Ratio Lower Upper

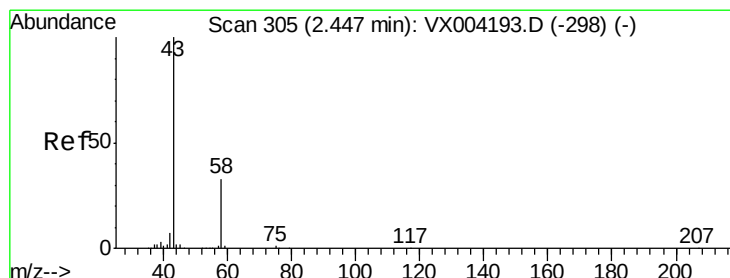
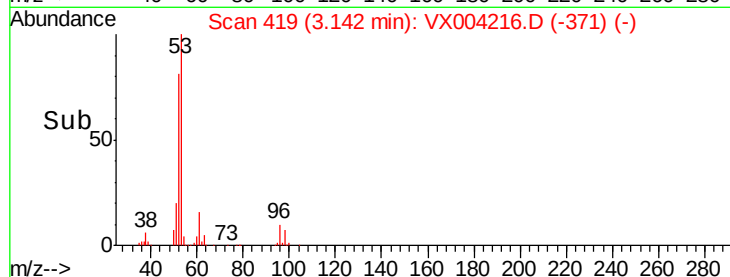
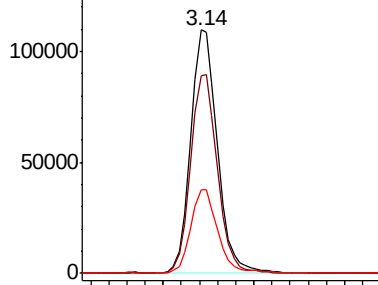
53 100

52 81.9 65.2 97.8

51 35.0 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: 92.25 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004216.D

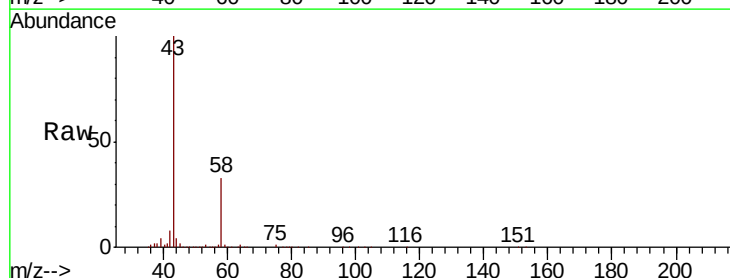
Acq: 23 Aug 2018 10:35

Tgt Ion: 43 Resp: 192582

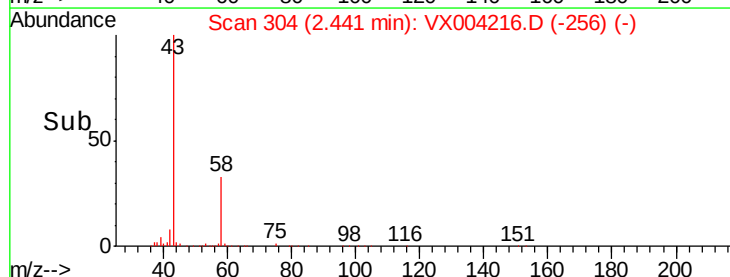
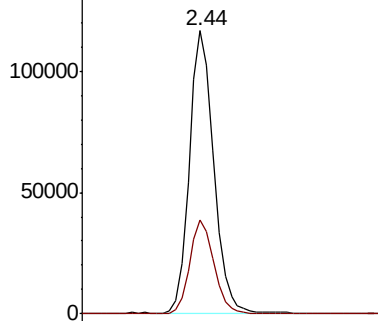
Ion Ratio Lower Upper

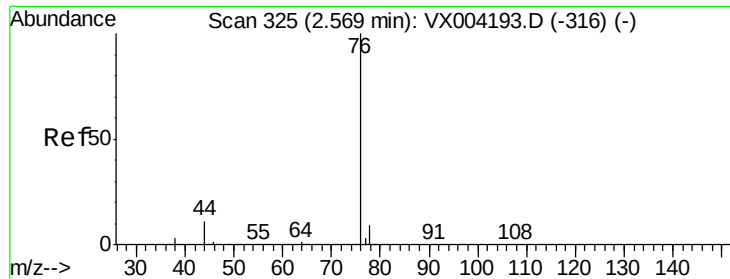
43 100

58 33.4 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: 19.39 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

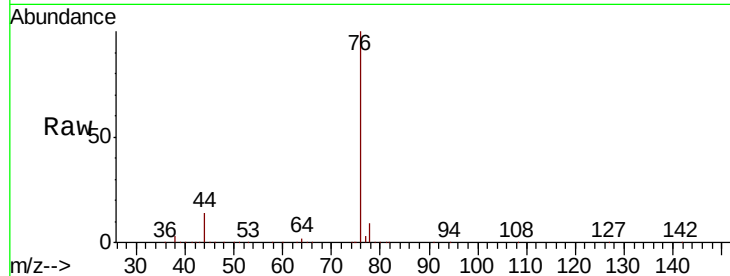
VX0823WBS01

Tot Ion: 76 Resp: 206709

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

100000

50000

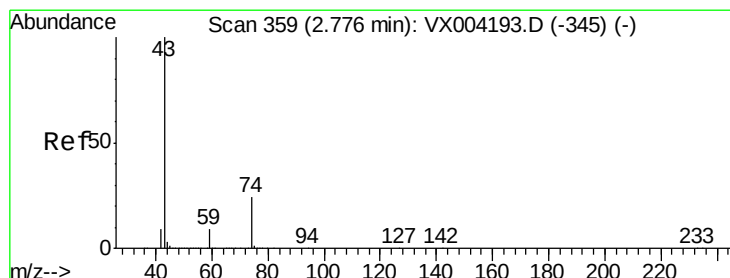
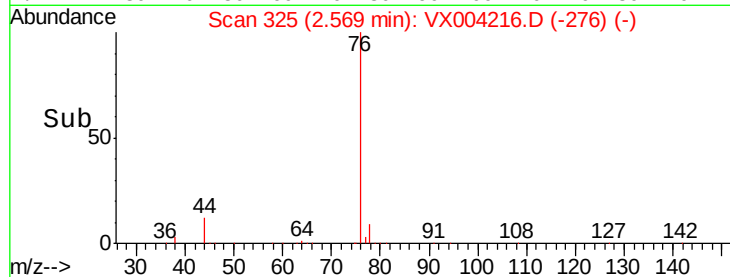
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 18.64 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX004216.D

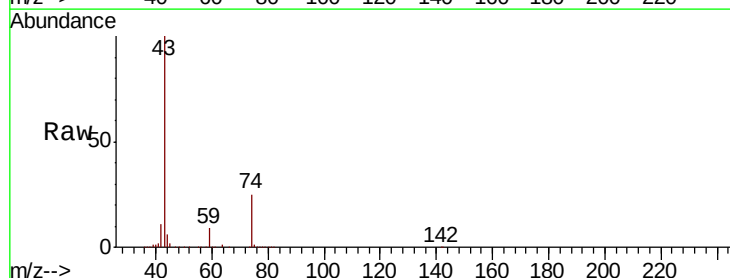
Acq: 23 Aug 2018 10:35

Tgt Ion: 43 Resp: 134018

Ion Ratio Lower Upper

43 100

74 25.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

60000

40000

20000

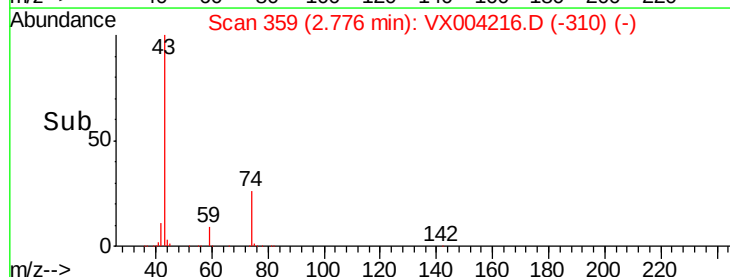
0

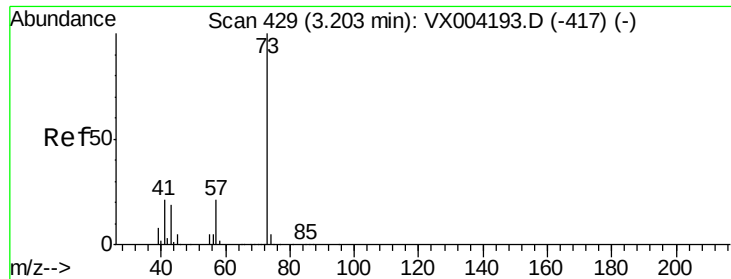
Time-->

2.70

2.80

2.90



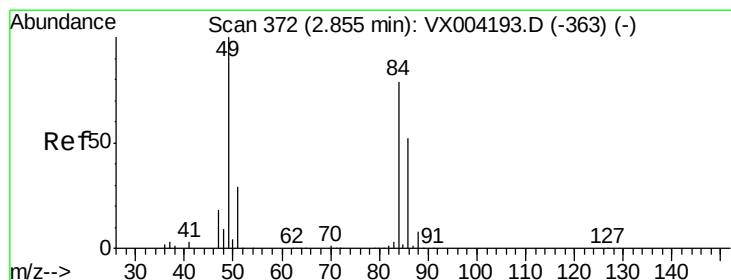
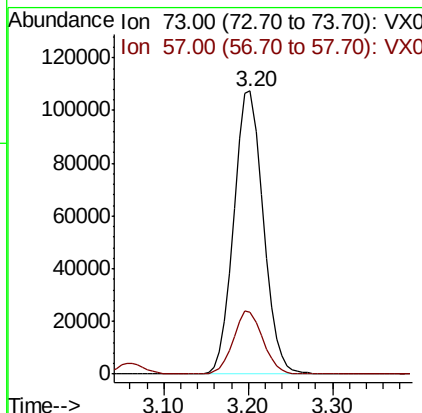
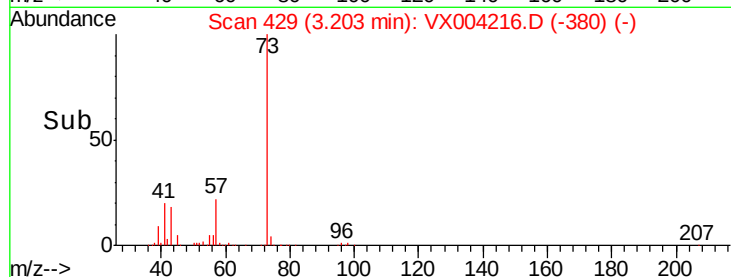
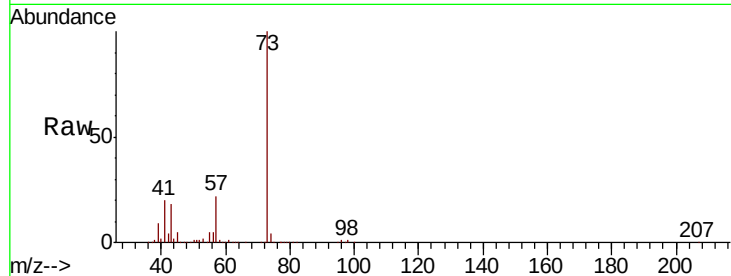


#19

Methyl tert-butyl Ether
 Concen: 19.58 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampled :
 VX0823WBS01

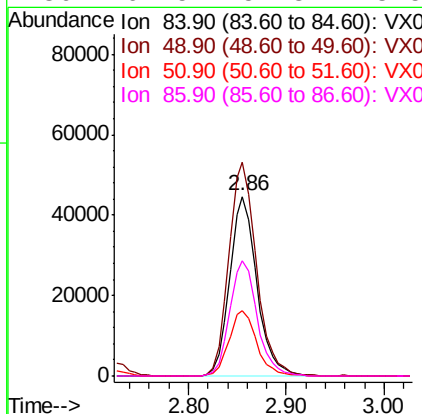
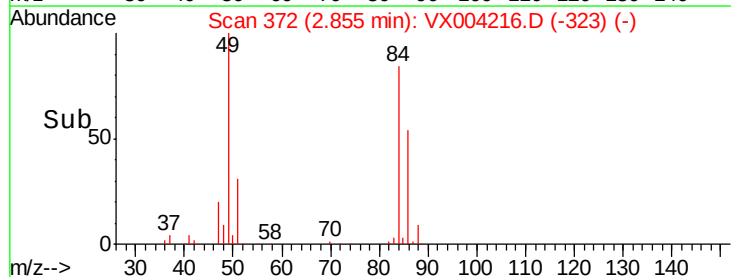
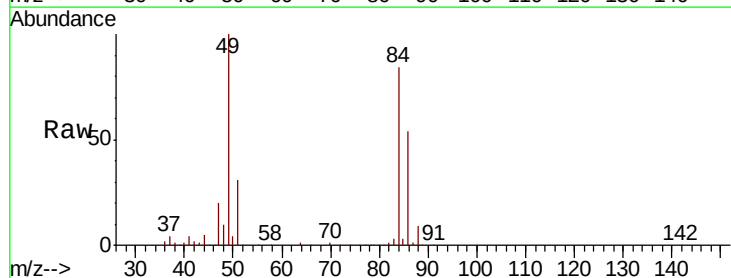
Tot Ion: 73 Resp: 254154
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.1 25.7

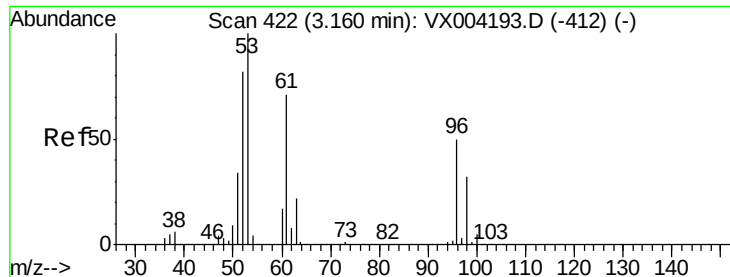


#20

Methylene Chloride
 Concen: 18.44 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 84 Resp: 86029
 Ion Ratio Lower Upper
 84 100
 49 118.9 101.2 151.8
 51 36.1 29.5 44.3
 86 64.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.91 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

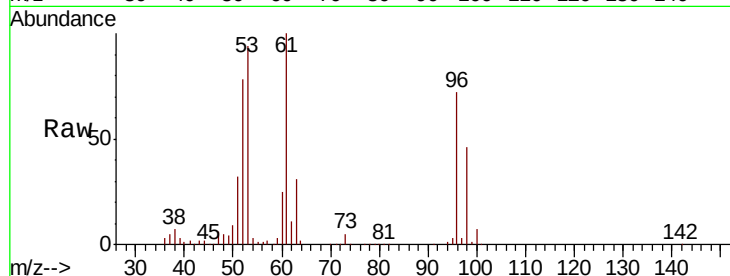
Tot Ion: 96 Resp: 82445

Ion Ratio Lower Upper

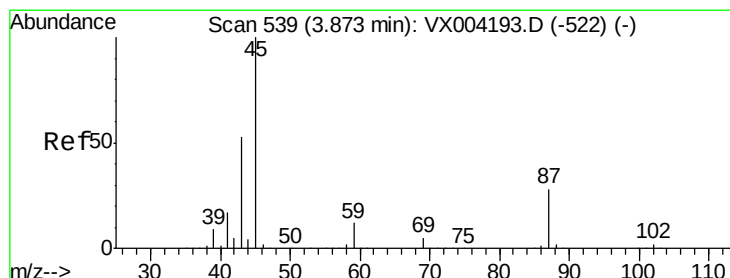
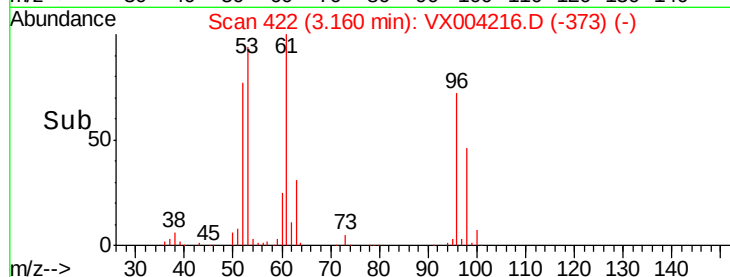
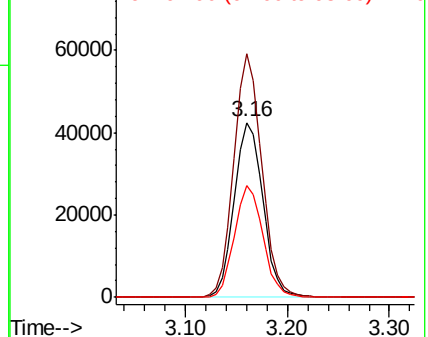
96 100

61 139.4 113.8 170.6

98 64.1 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: 18.43 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion: 45 Resp: 249083

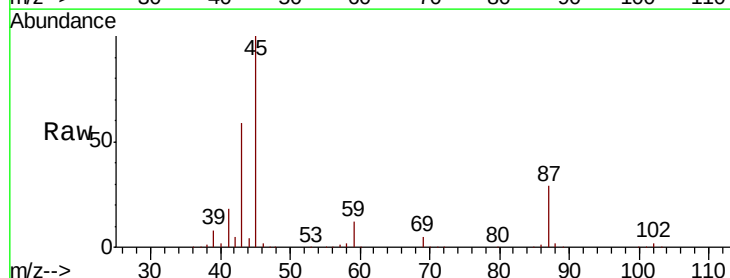
Ion Ratio Lower Upper

45 100

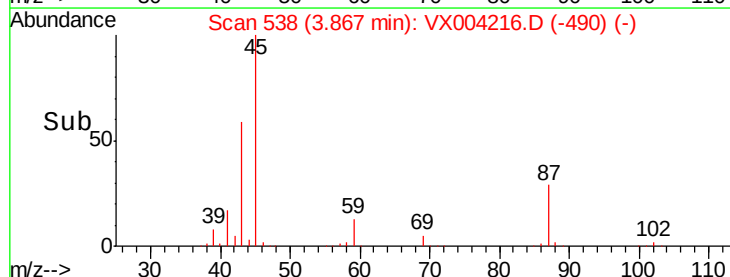
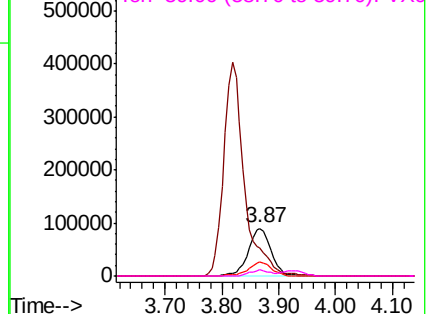
43 59.0 42.8 64.2

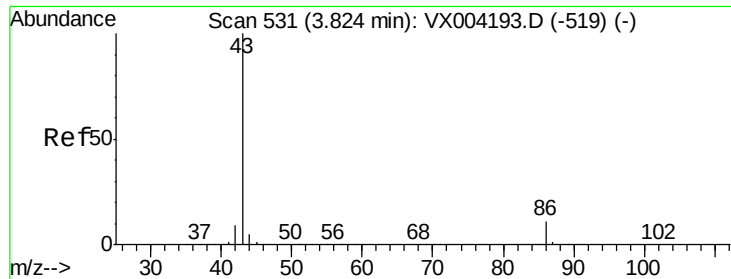
87 28.6 22.6 34.0

59 12.5 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: 92.97 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

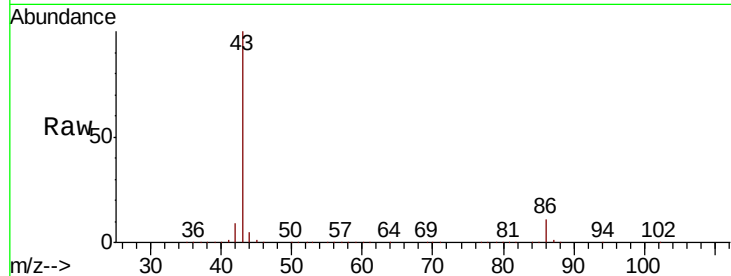
VX0823WBS01

Tot Ion: 43 Resp: 1018199

Ion Ratio Lower Upper

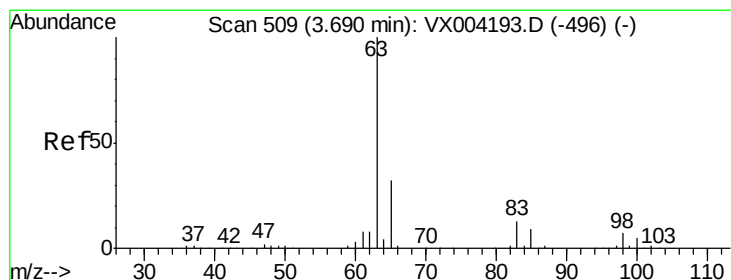
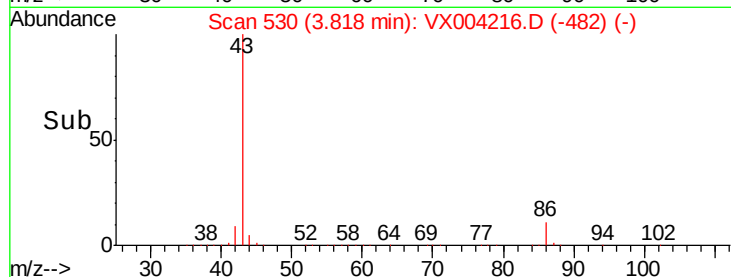
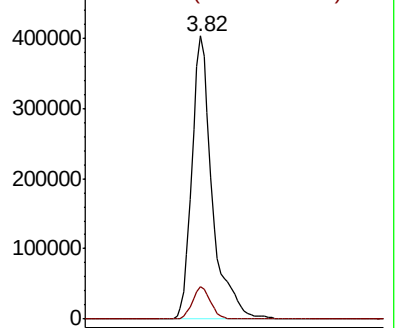
43 100

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



#24

1,1-Dichloroethane

Concen: 19.07 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

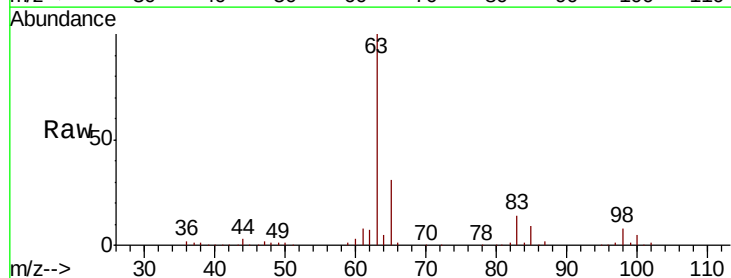
Tgt Ion: 63 Resp: 150136

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

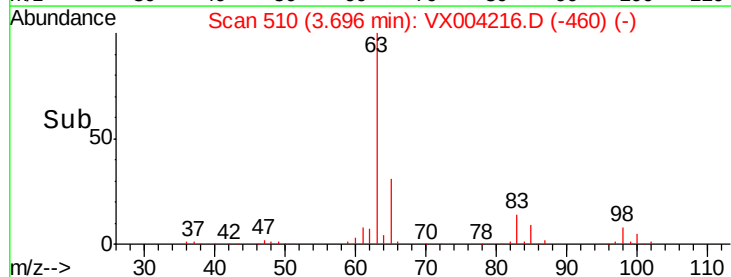
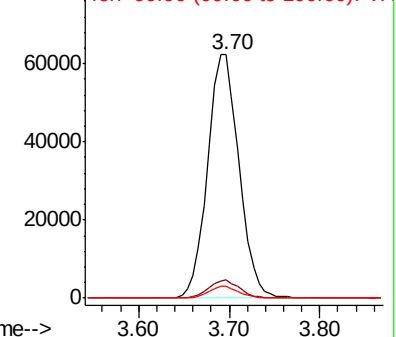
100 4.7 2.4 7.1

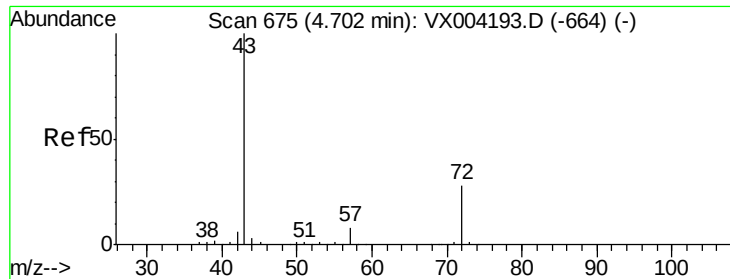


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 88.42 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

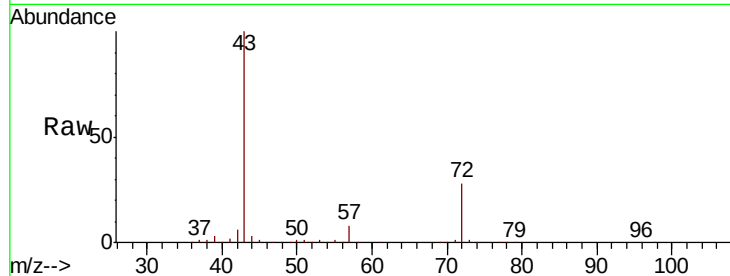
VX0823WBS01

Tot Ion: 43 Resp: 293099

Ion Ratio Lower Upper

43 100

72 27.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

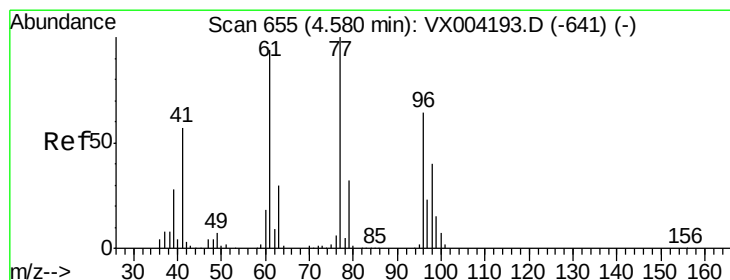
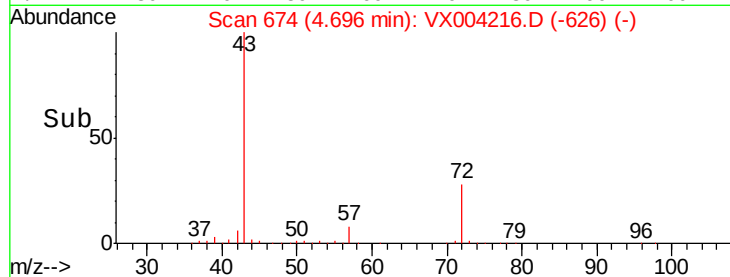
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.30 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004216.D

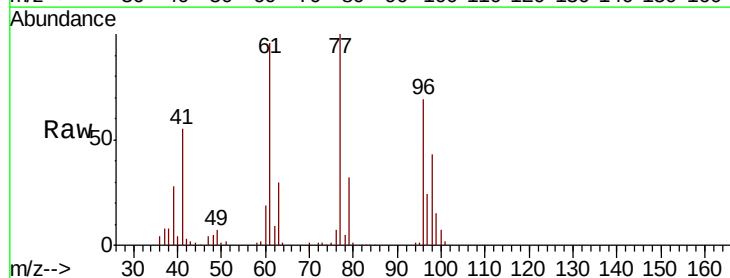
Acq: 23 Aug 2018 10:35

Tgt Ion: 77 Resp: 119219

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

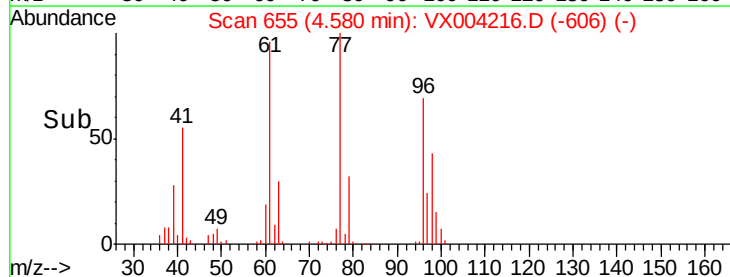
20000

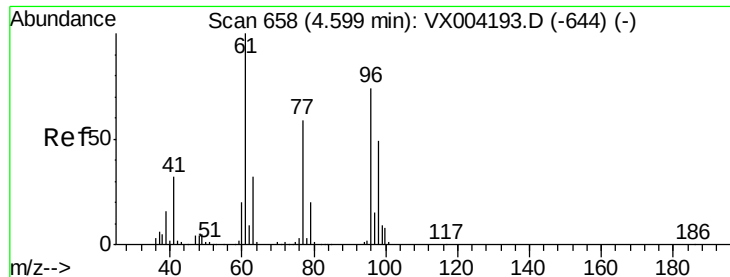
10000

0

4.50 4.60 4.70

Time-->



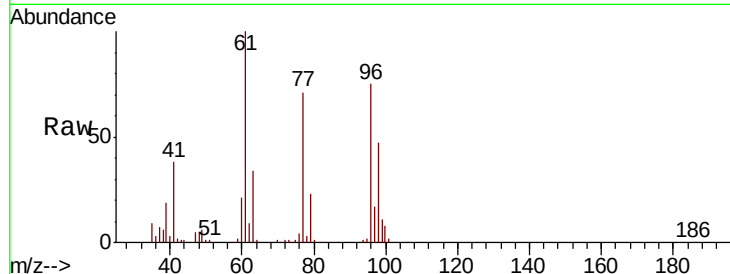


#27

cis-1,2-Dichloroethene
Concen: 19.13 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	282.6
98	63.4	0.0	130.2

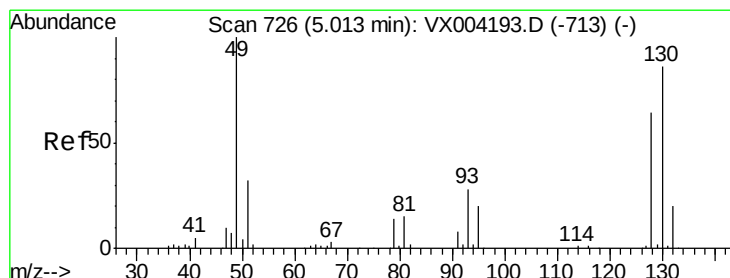
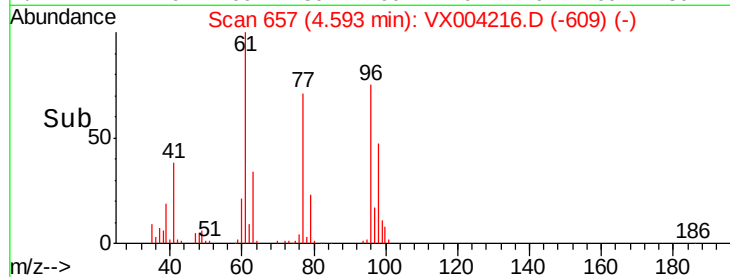
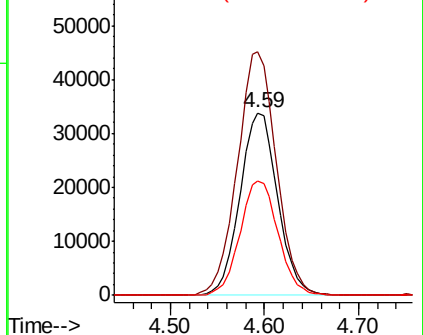


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

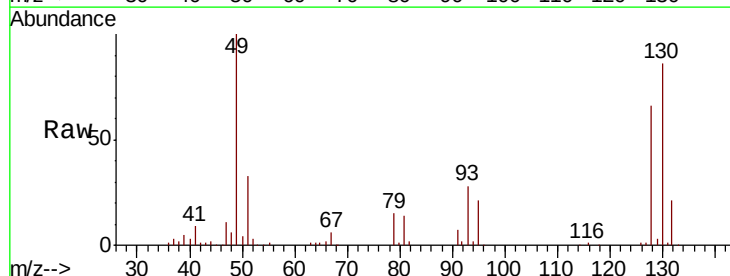
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 20.41 ug/l
RT: 5.01 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.6	67.5	101.3

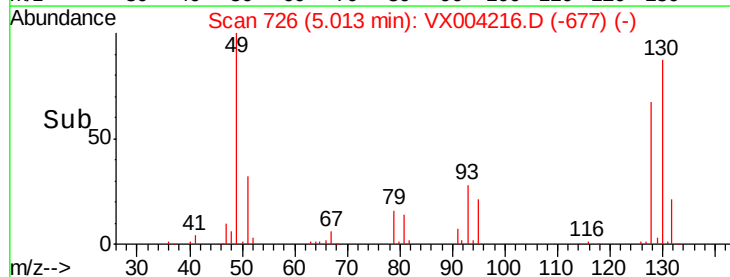
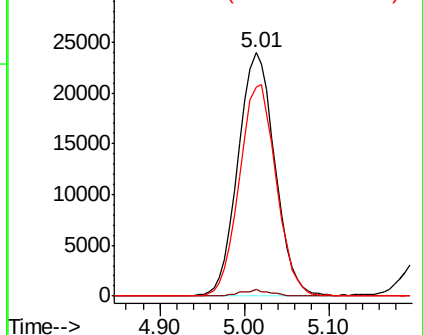


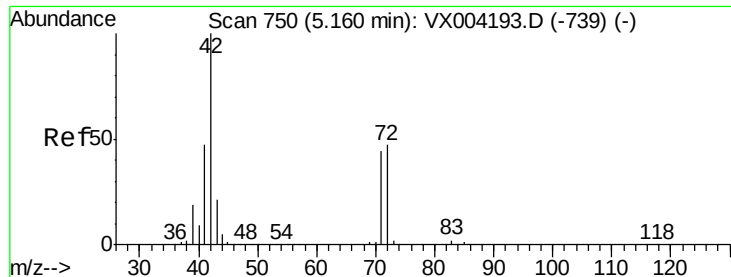
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 88.46 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

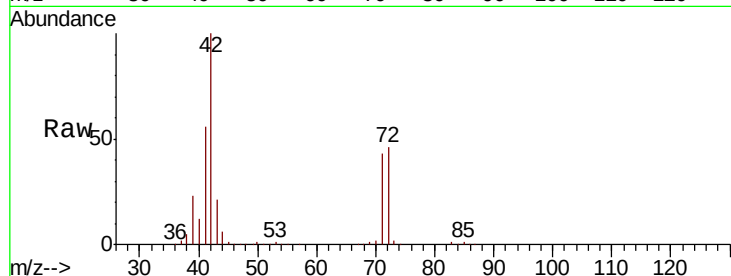
Tot Ion: 42 Resp: 184194

Ion Ratio Lower Upper

42 100

72 47.5 37.4 56.0

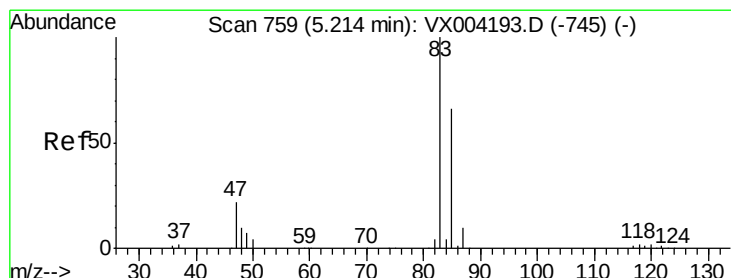
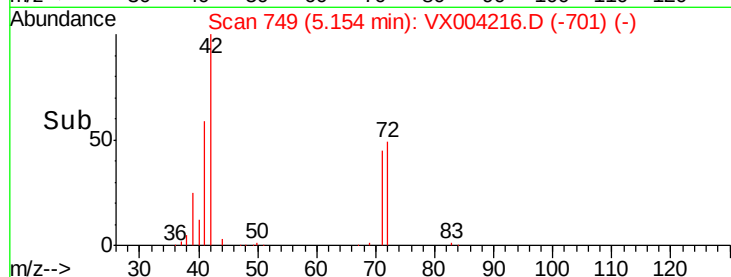
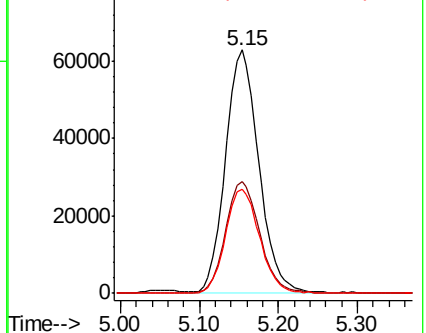
71 44.3 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.87 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004216.D

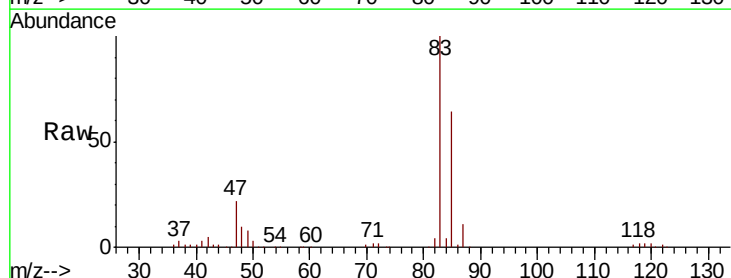
Acq: 23 Aug 2018 10:35

Tgt Ion: 83 Resp: 148975

Ion Ratio Lower Upper

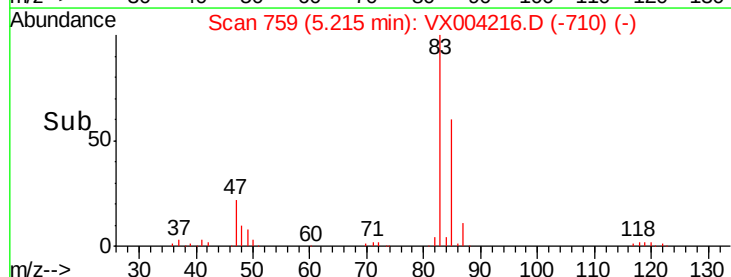
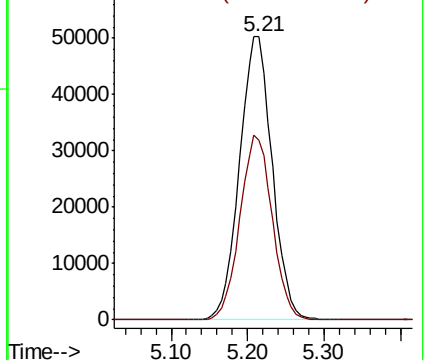
83 100

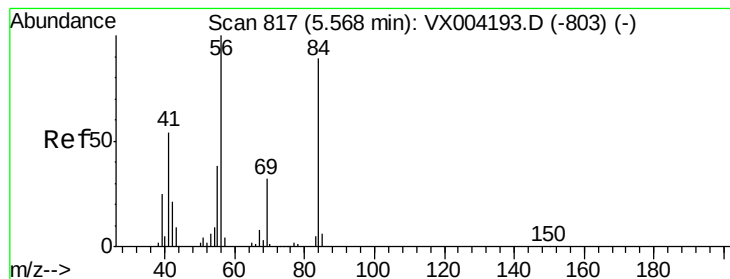
85 63.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.64 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

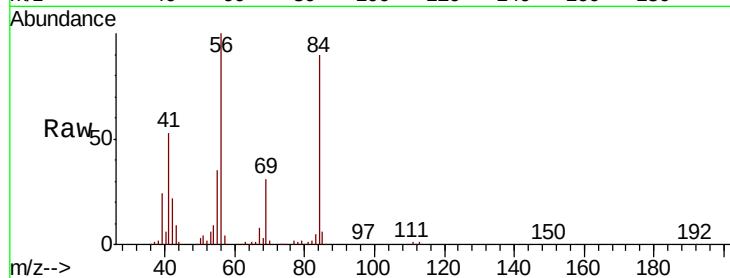
Tot Ion: 56 Resp: 133453

Ion Ratio Lower Upper

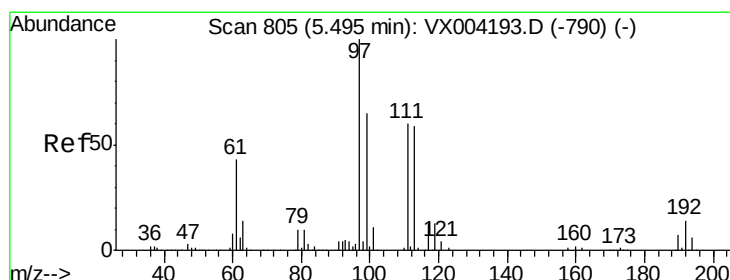
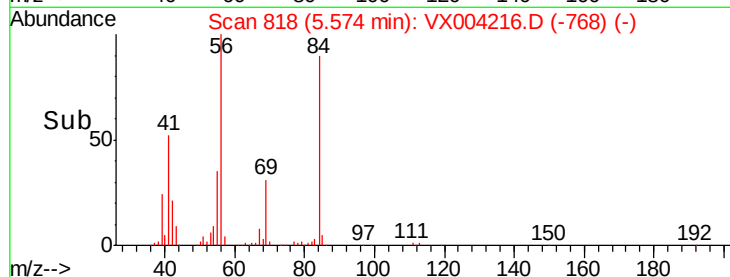
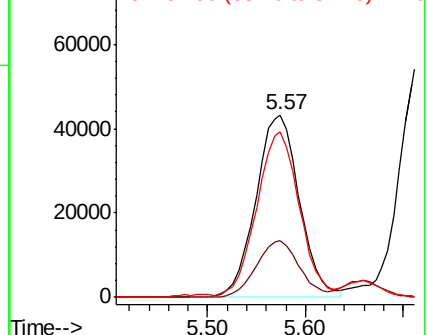
56 100

69 30.7 25.4 38.2

84 89.3 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: 19.22 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

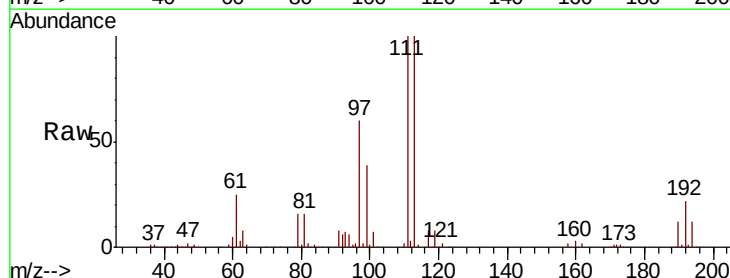
Tgt Ion: 97 Resp: 126568

Ion Ratio Lower Upper

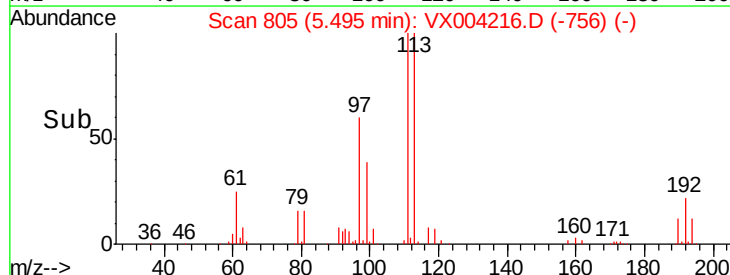
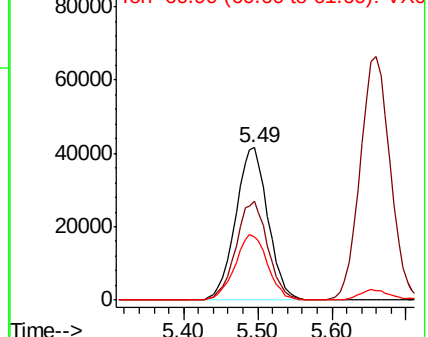
97 100

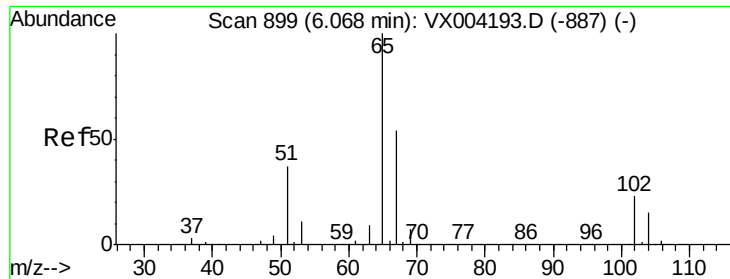
99 64.1 52.0 78.0

61 43.5 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

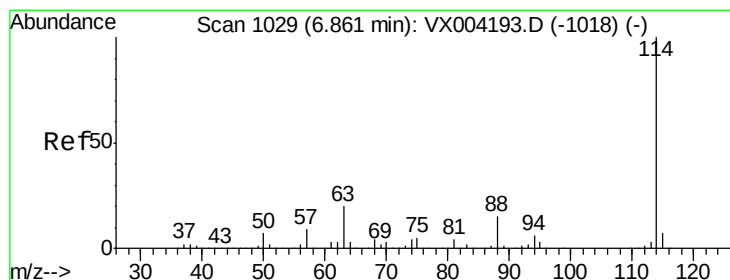
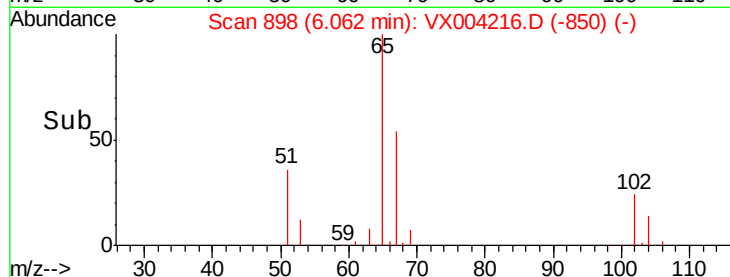
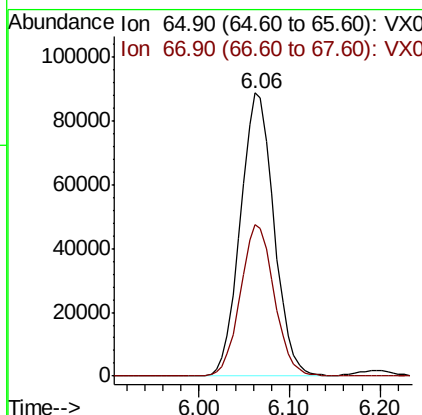
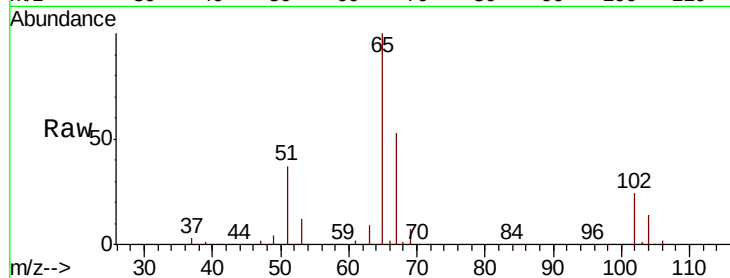




#33
 1,2-Dichloroethane-d4
 Concen: 47.09 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

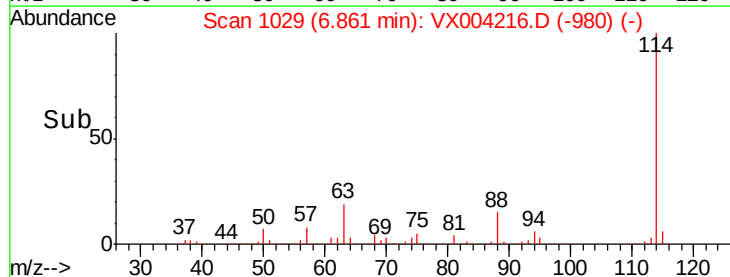
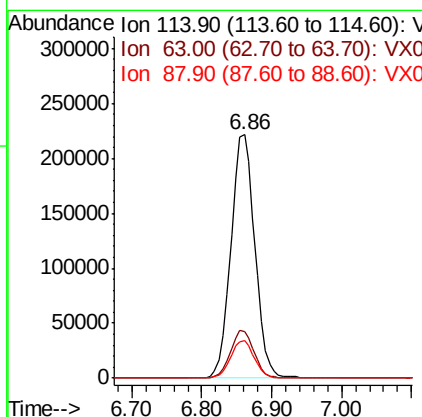
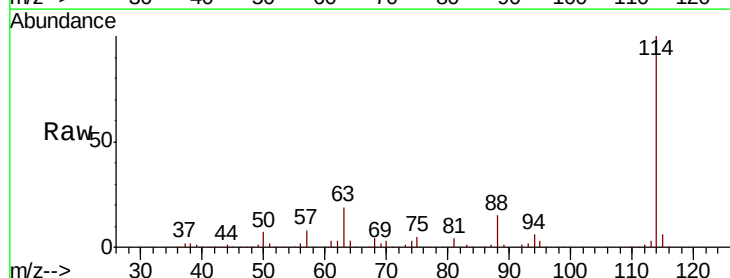
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

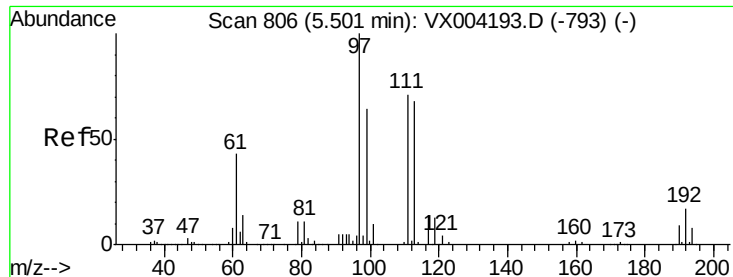
Tot Ion: 65 Resp: 228193
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 114 Resp: 526911
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.3 0.0 30.4

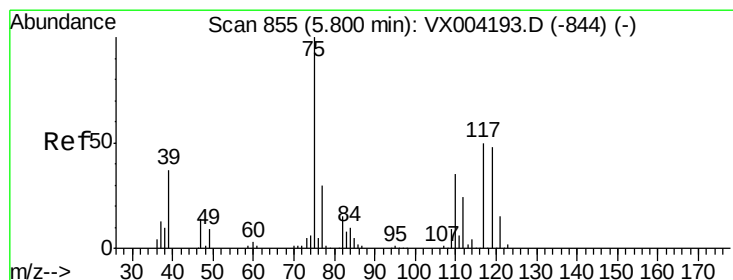
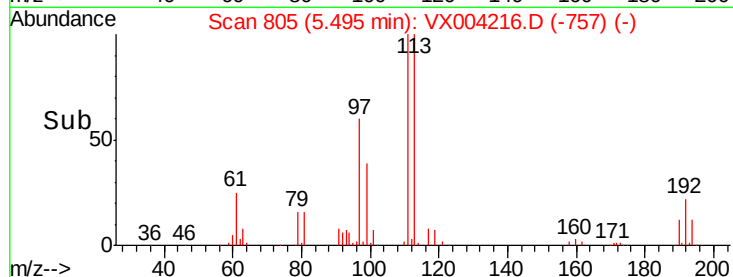
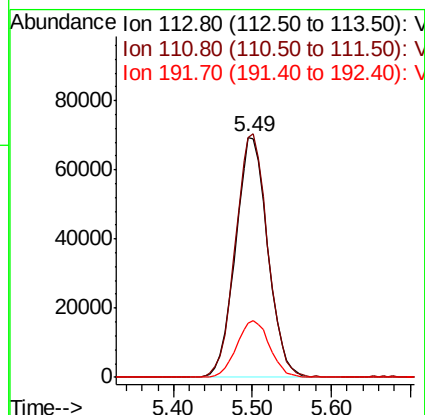
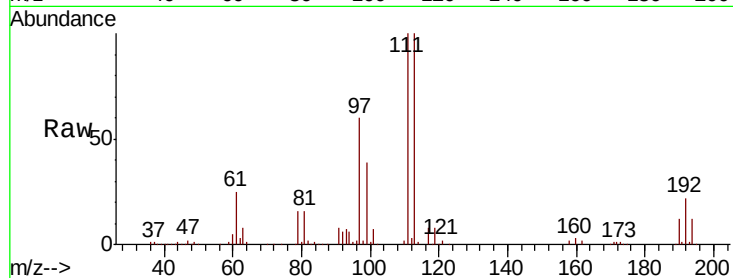




#35
 Dibromofluoromethane
 Concen: 50.24 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

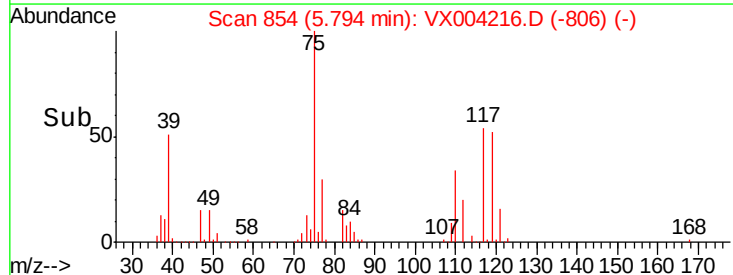
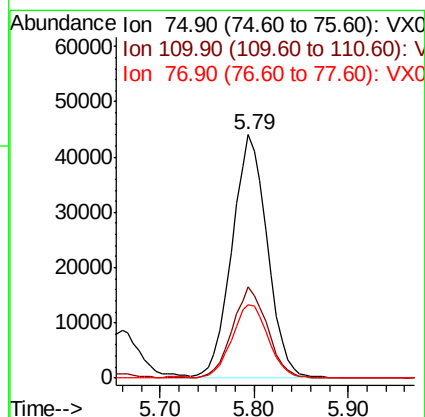
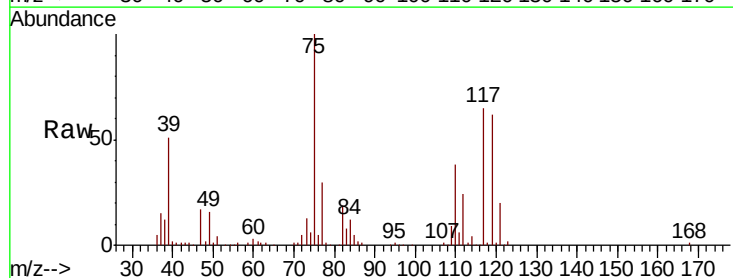
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

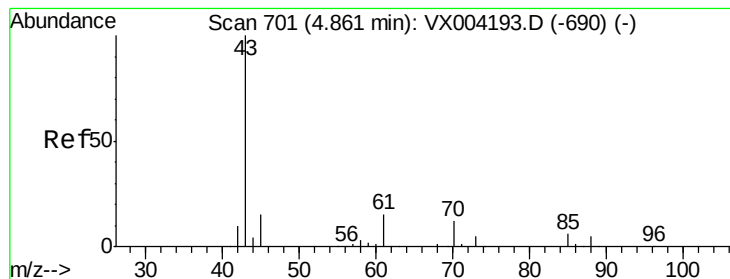
Tot Ion:113 Resp: 196933
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 19.29 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 75 Resp: 114270
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.0 54.0
 77 31.4 24.6 36.8





#37

Ethyl Acetate

Concen: 18.81 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

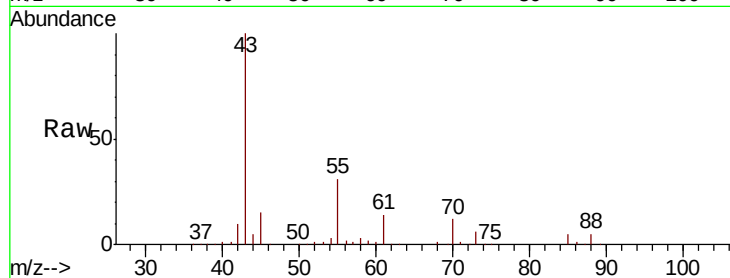
Tot Ion: 43 Resp: 109558

Ion Ratio Lower Upper

43 100

61 14.5 11.5 17.3

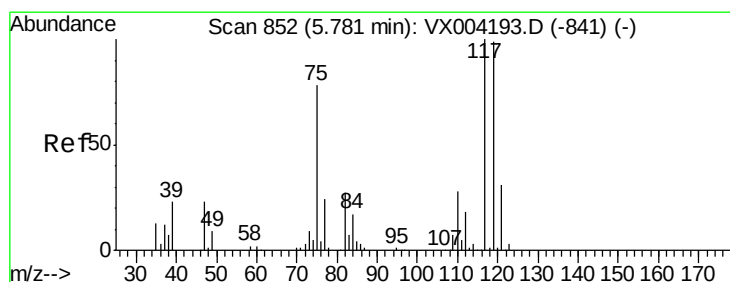
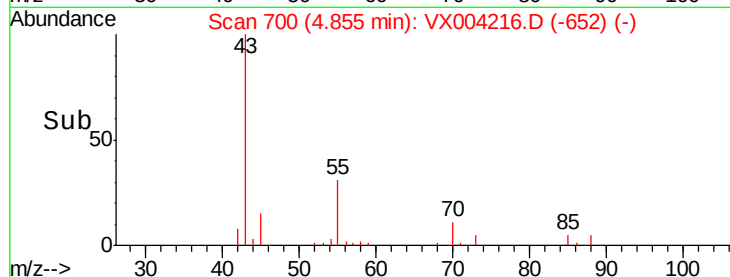
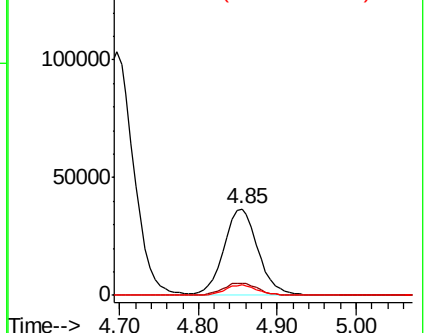
70 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.64 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

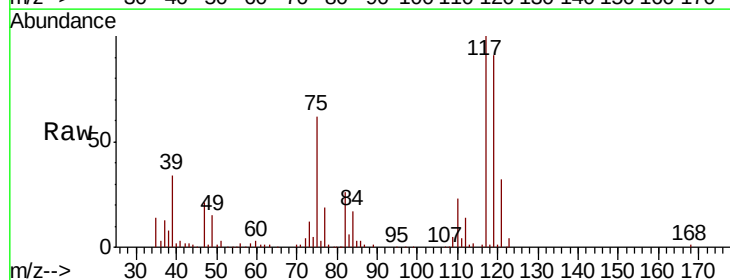
Tgt Ion: 117 Resp: 109446

Ion Ratio Lower Upper

117 100

119 91.2 78.8 118.2

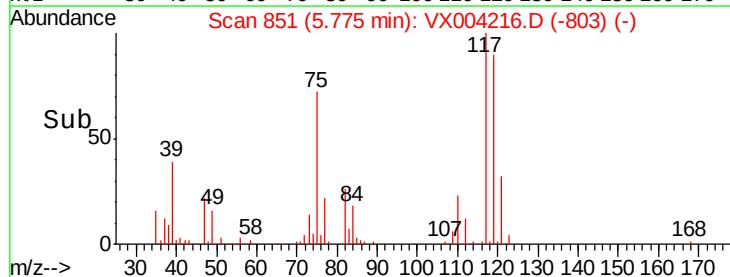
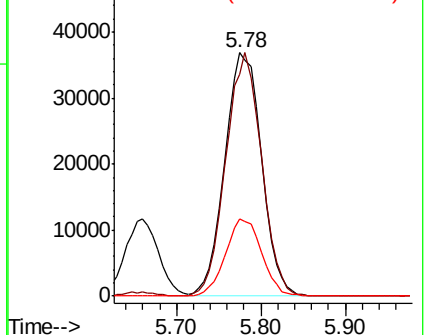
121 31.5 24.9 37.3

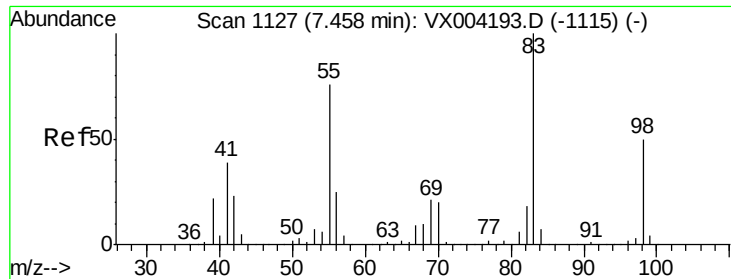


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

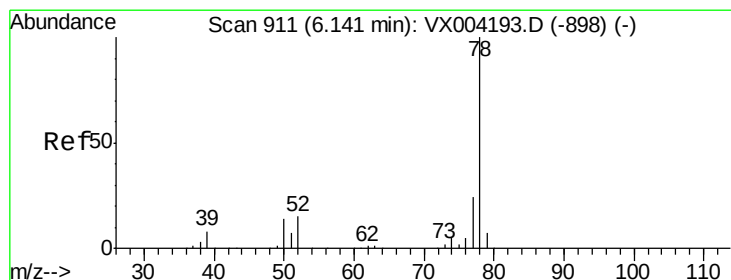
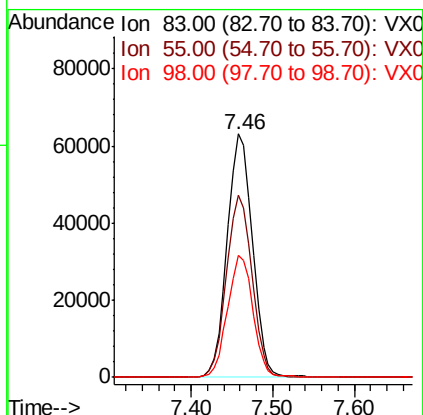
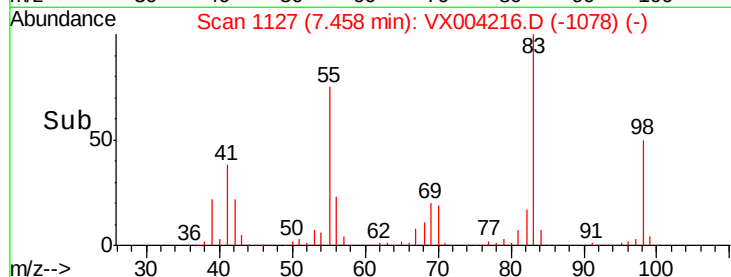
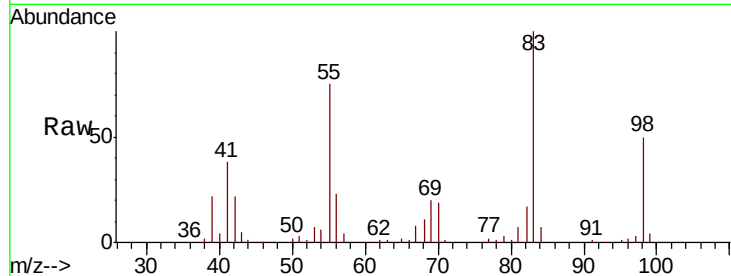




#39
Methylvlcyclohexane
Concen: 20.03 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

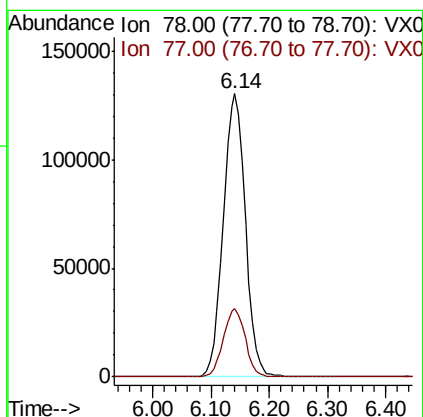
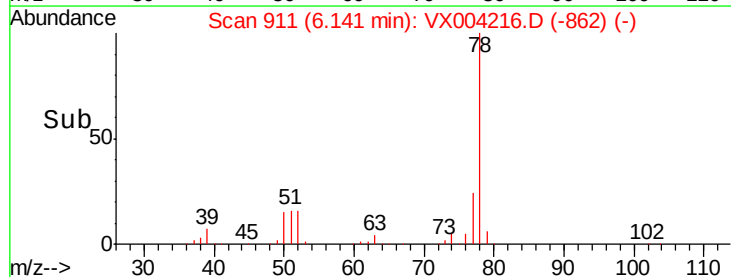
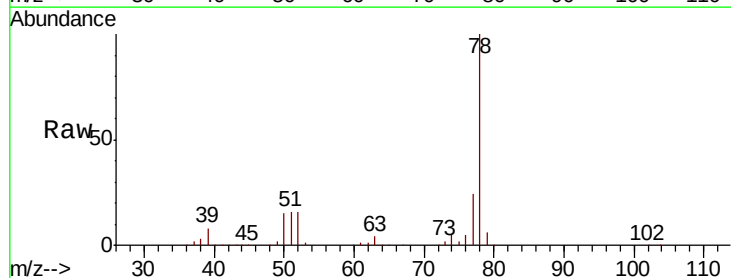
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

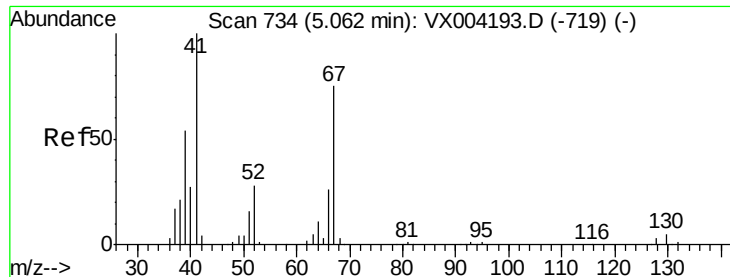
Tot Ion: 83 Resp: 135494
Ion Ratio Lower Upper
83 100
55 74.7 61.0 91.4
98 50.3 39.6 59.4



#40
Benzene
Concen: 19.41 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 78 Resp: 343589
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

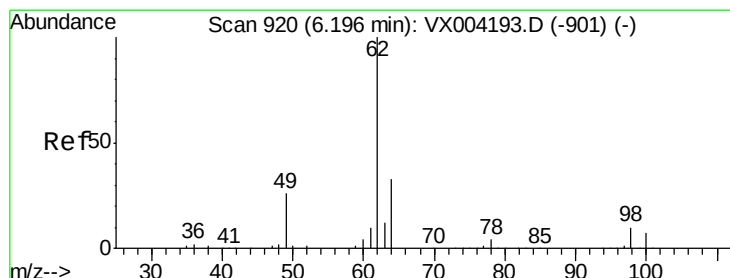
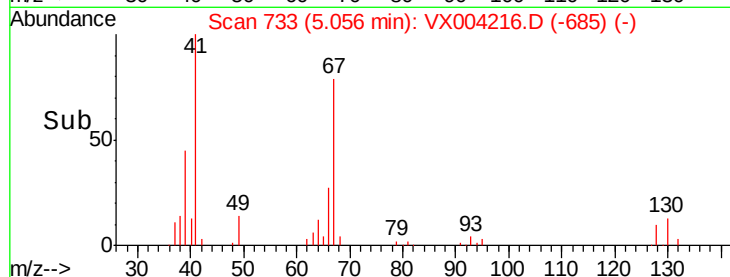
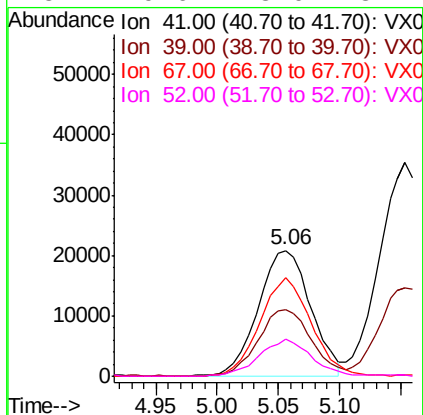
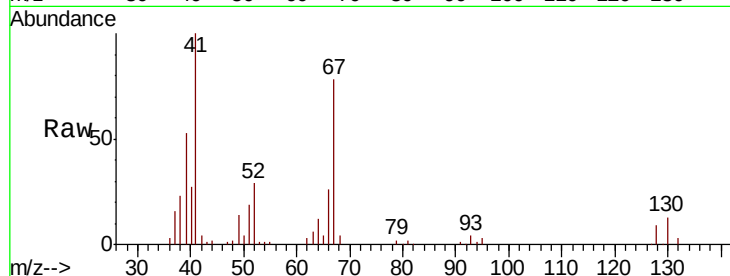




#41
Methacrylonitrile
Concen: 18.42 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

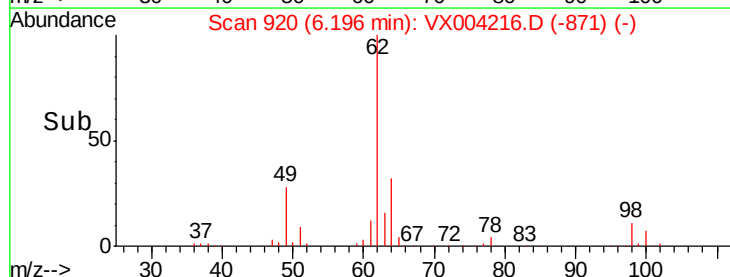
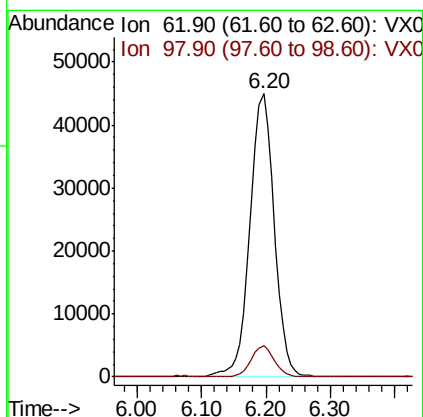
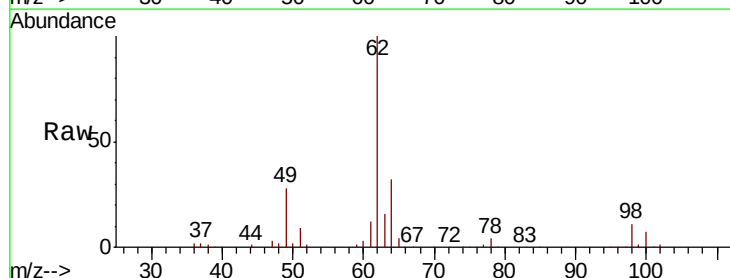
Instrument :
MSVOA_X
ClientSampled :
VX0823WBS01

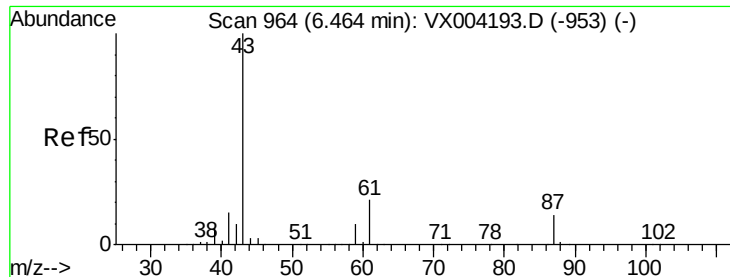
Tot Ion:	41	Resp:	62214
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.4	63.6
67	76.9	59.2	88.8
52	29.6	23.0	34.4



#42
1,2-Dichloroethane
Concen: 19.22 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:	62	Resp:	116056
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.89 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

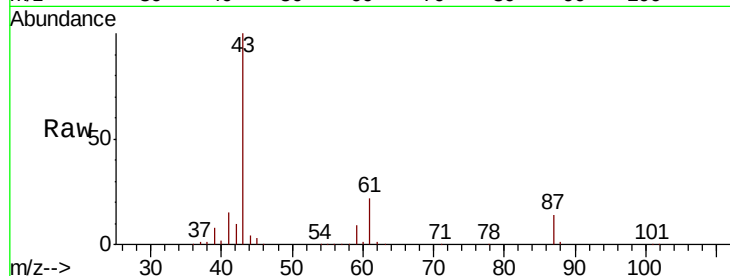
Tot Ion: 43 Resp: 169122

Ion Ratio Lower Upper

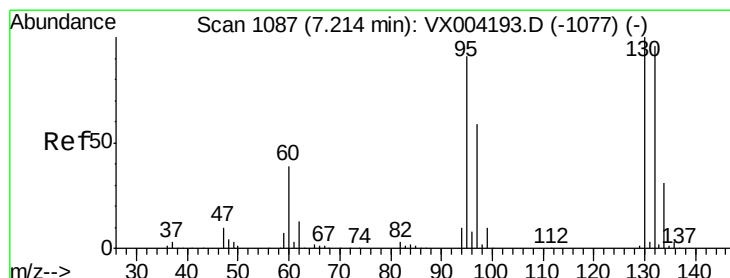
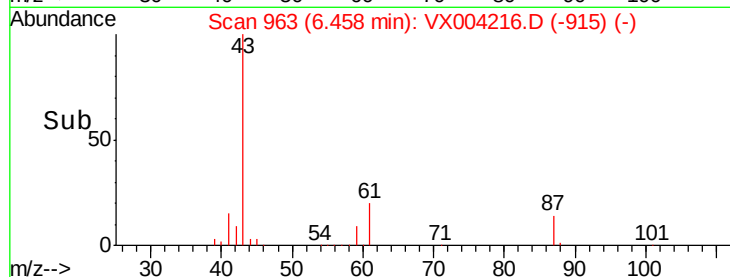
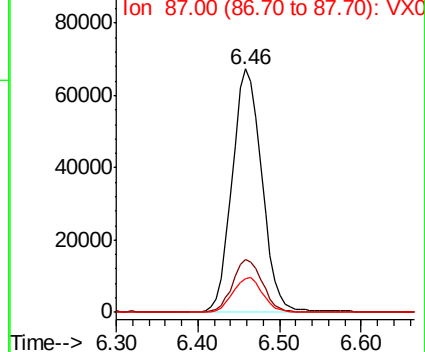
43 100

61 21.7 17.0 25.4

87 14.3 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: 19.21 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004216.D

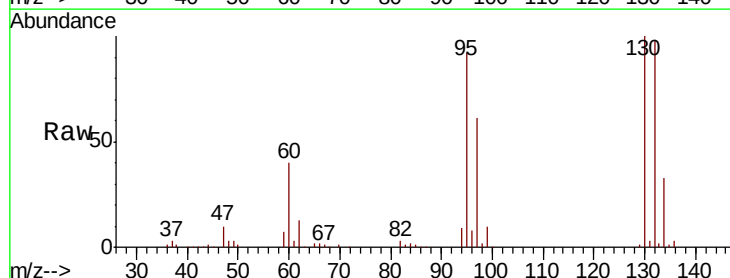
Acq: 23 Aug 2018 10:35

Tgt Ion:130 Resp: 94102

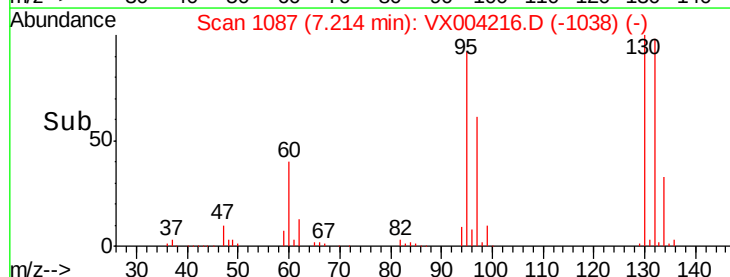
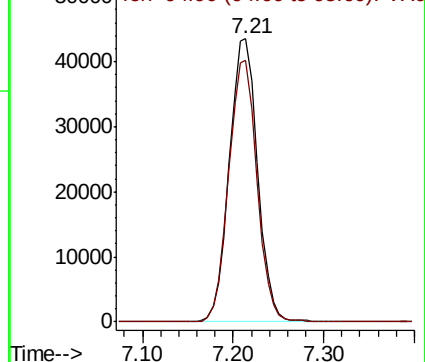
Ion Ratio Lower Upper

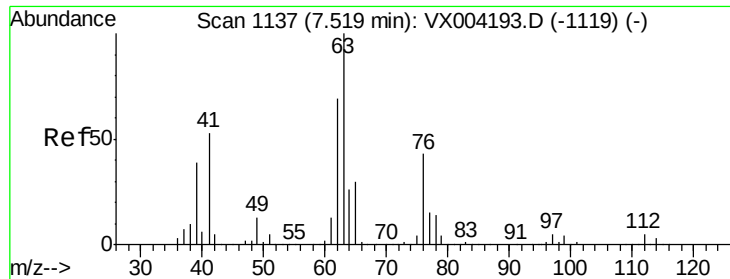
130 100

95 92.3 0.0 181.6



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

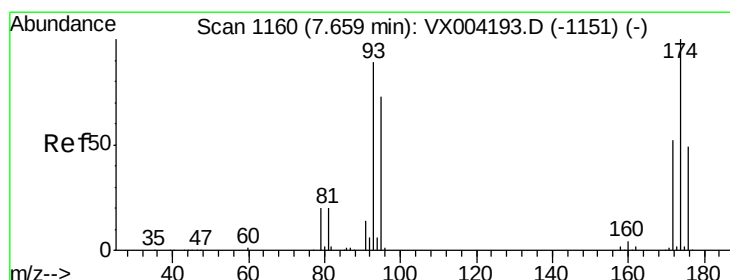
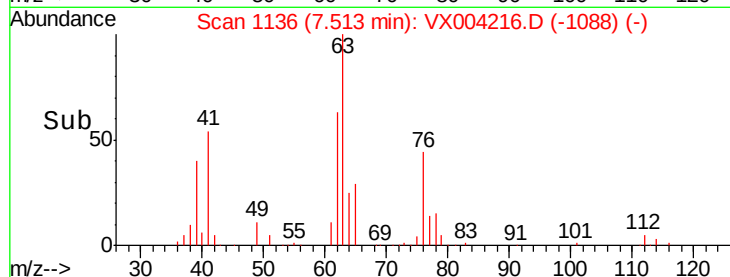
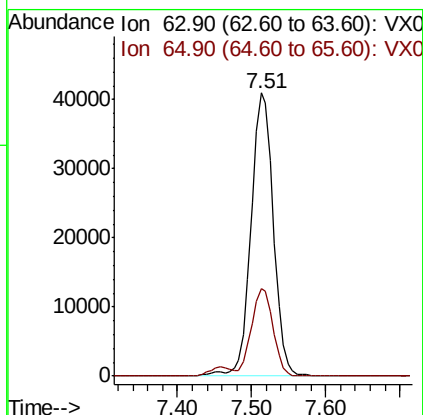
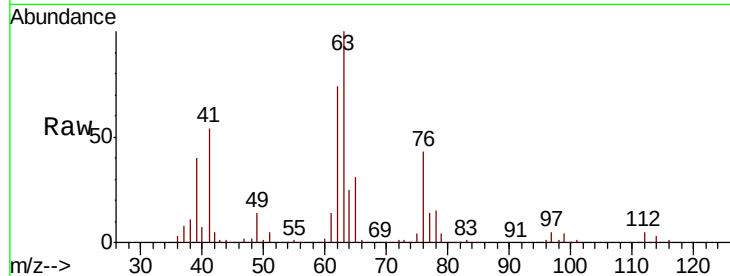




#45
 1,2-Dichloropropane
 Concen: 19.53 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

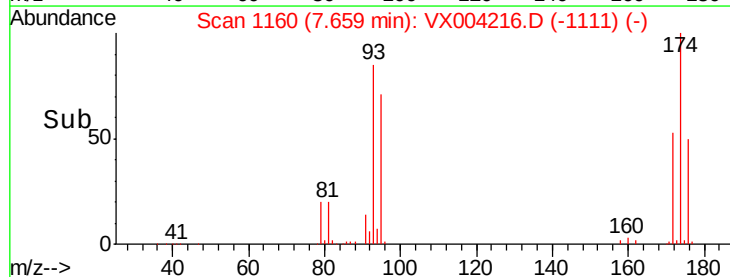
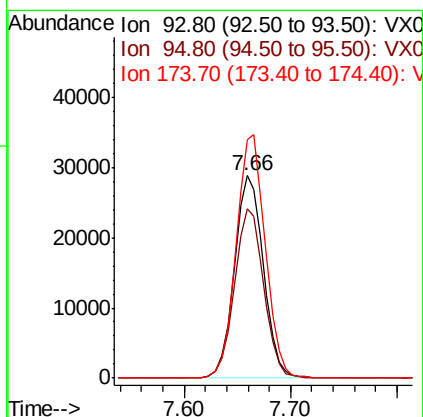
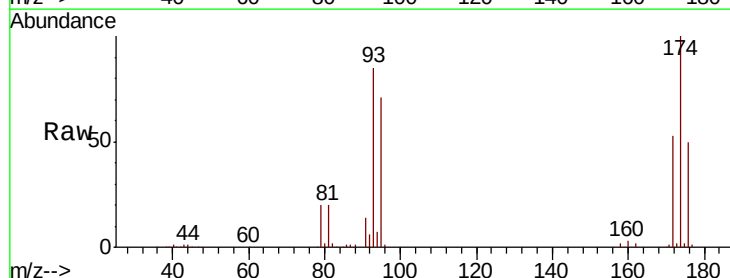
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

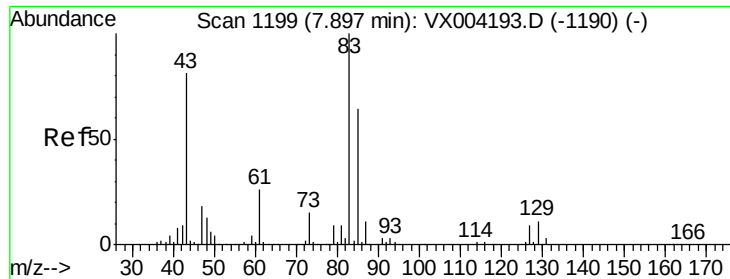
Tot Ion: 63 Resp: 86498
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5



#46
 Dibromomethane
 Concen: 18.69 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 93 Resp: 55121
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.5 98.3
 174 120.9 94.2 141.4





#47

Bromodichloromethane

Concen: 19.39 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

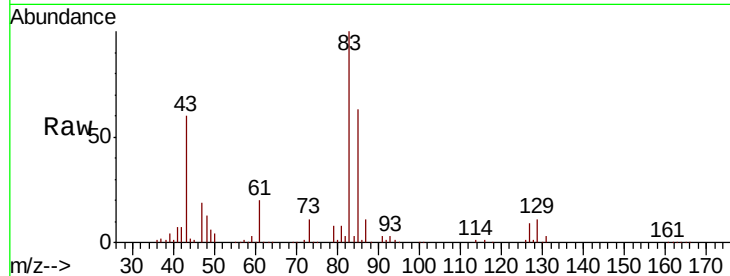
Tot Ion: 83 Resp: 106410

Ion Ratio Lower Upper

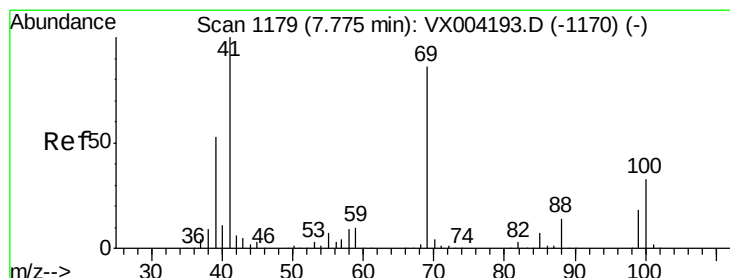
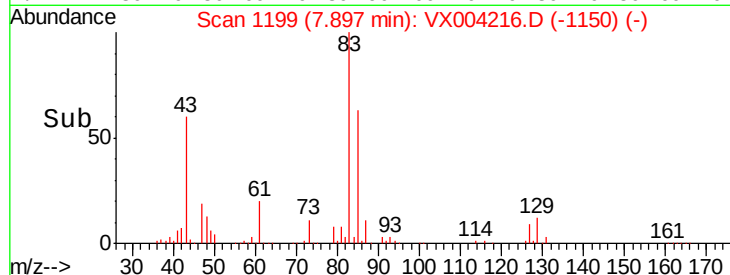
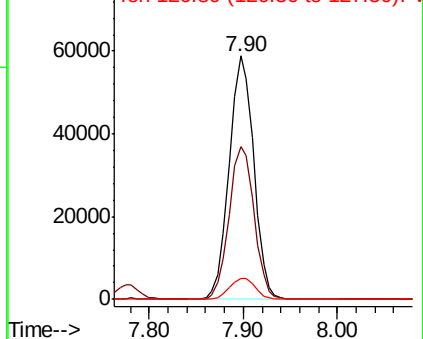
83 100

85 62.7 50.9 76.3

127 8.5 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: 18.74 ug/l

RT: 7.78 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

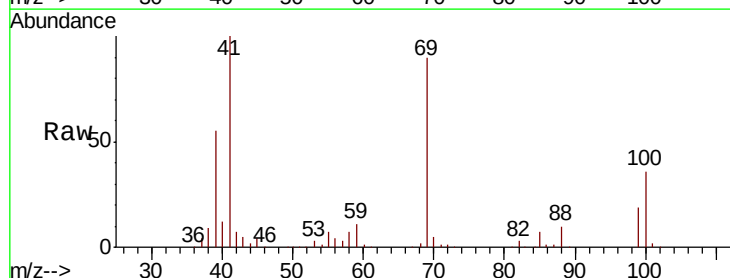
Tgt Ion: 41 Resp: 89781

Ion Ratio Lower Upper

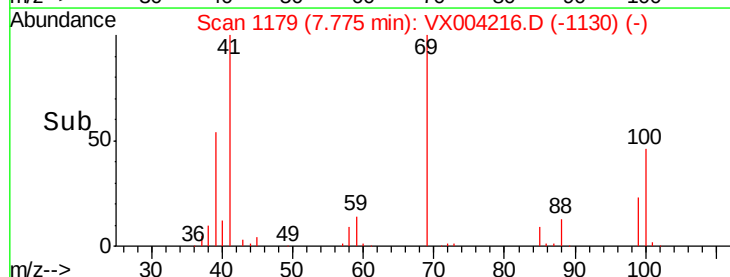
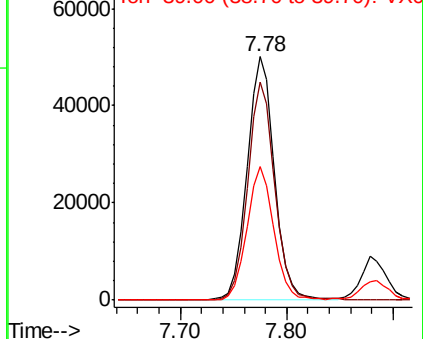
41 100

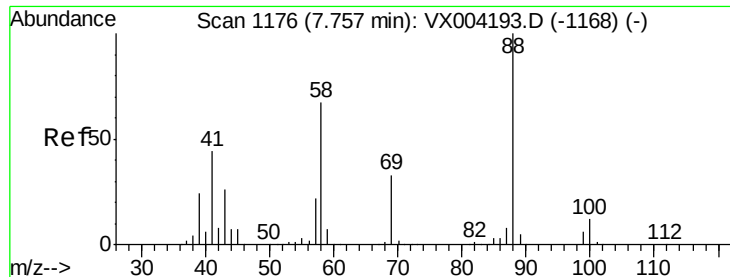
69 89.2 70.2 105.4

39 54.0 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

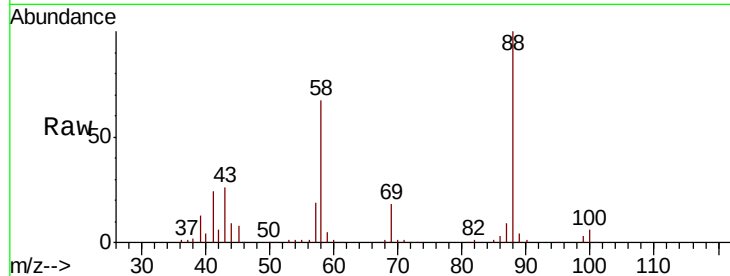




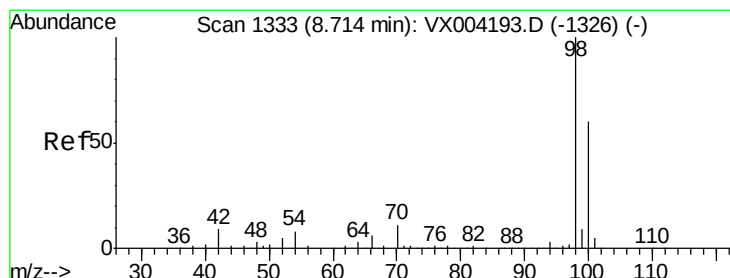
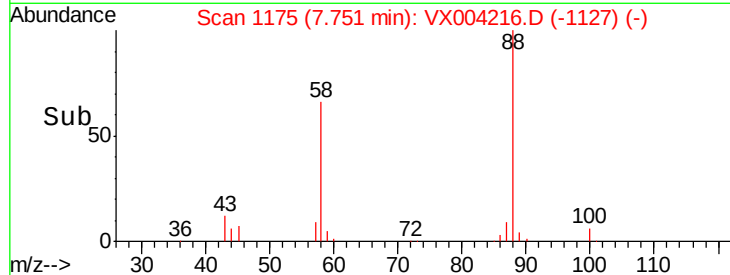
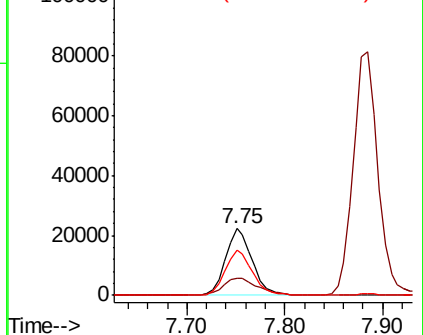
#49
1,4-Dioxane
Concen: 382.96 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion: 88 Resp: 41649
Ion Ratio Lower Upper
88 100
43 32.4 24.7 37.1
58 69.4 55.3 82.9

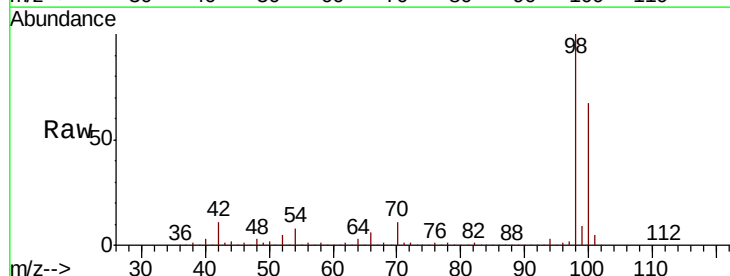


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

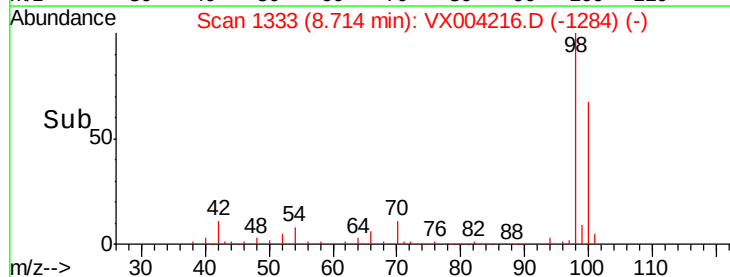
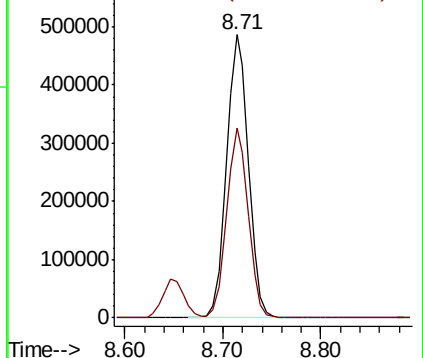


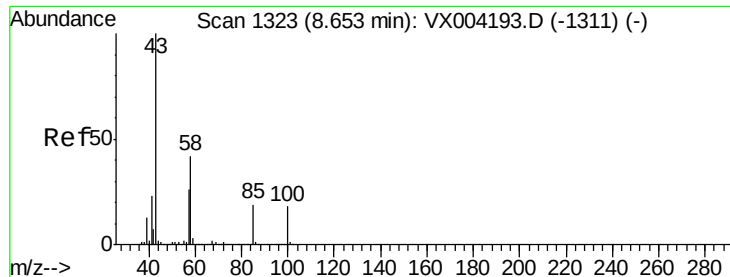
#50
Toluene-d8
Concen: 50.49 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 98 Resp: 747124
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3



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

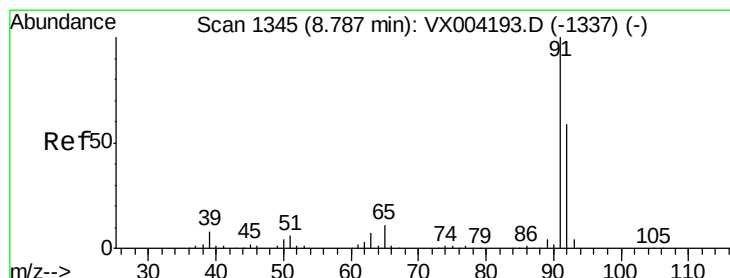
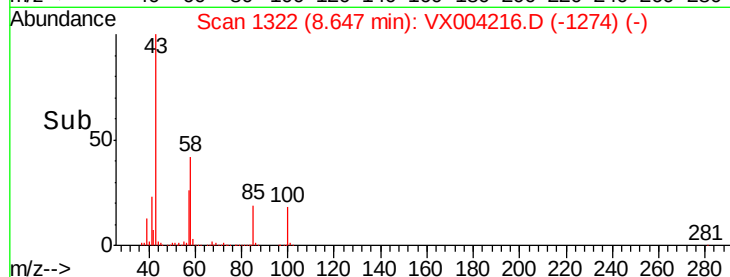
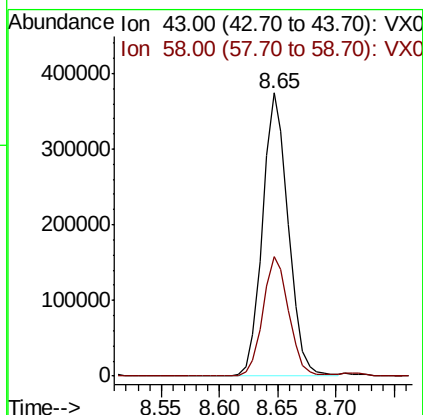
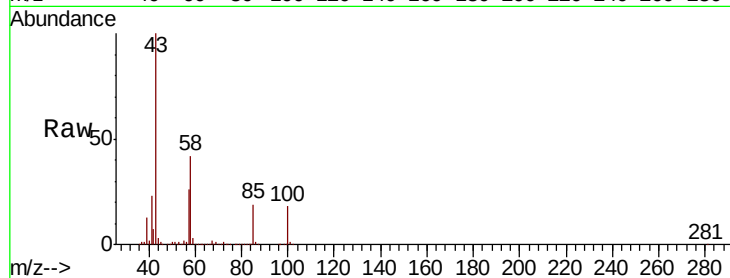




#51
4-Methyl-2-Pentanone
Concen: 87.79 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

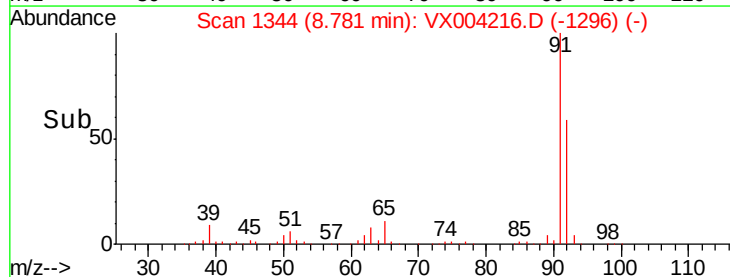
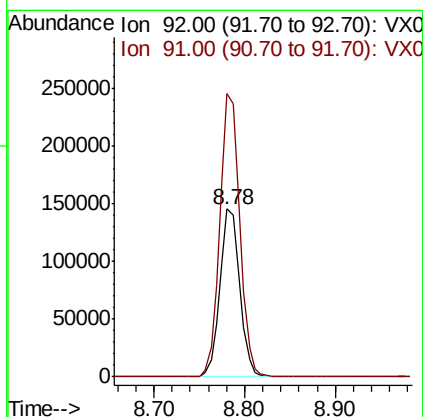
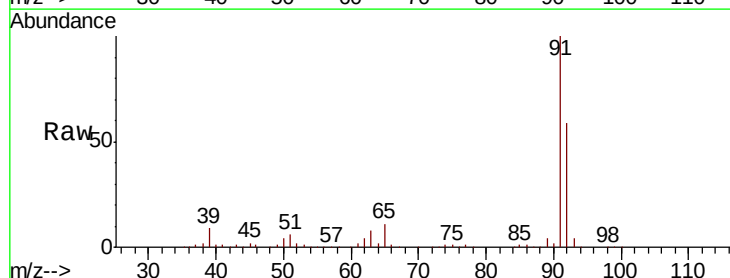
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

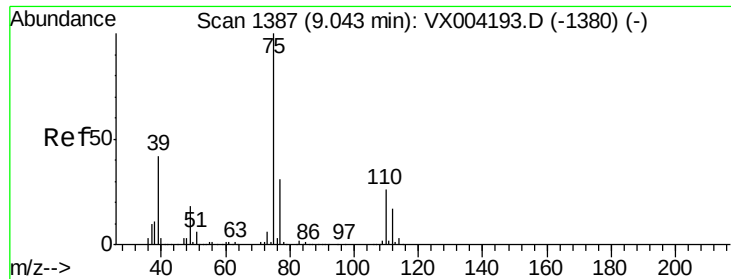
Tot Ion: 43 Resp: 570989
Ion Ratio Lower Upper
43 100
58 42.0 33.1 49.7



#52
Toluene
Concen: 20.03 ug/l
RT: 8.78 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 92 Resp: 221930
Ion Ratio Lower Upper
92 100
91 169.7 136.4 204.6

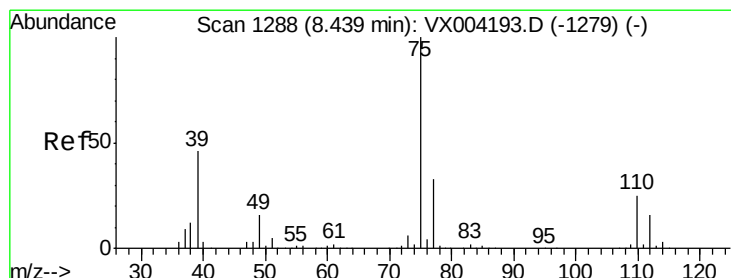
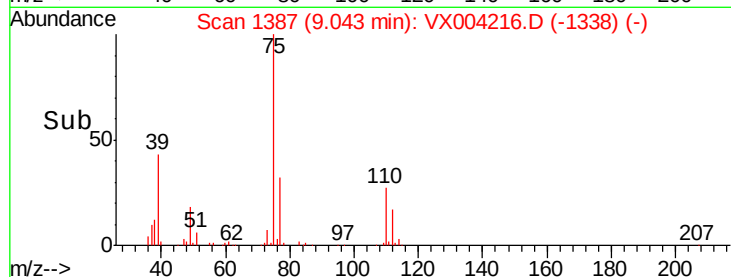
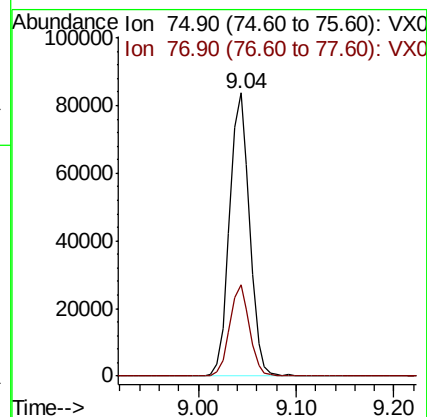
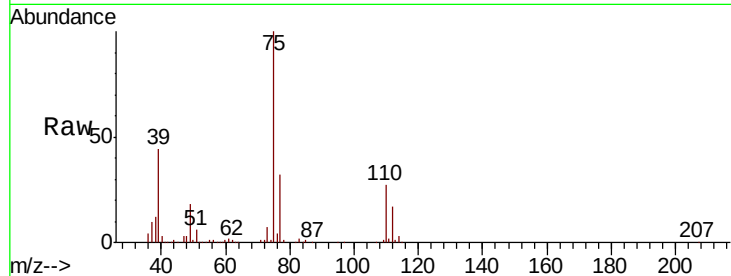




#53
t-1,3-Dichloropropene
Concen: 19.65 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

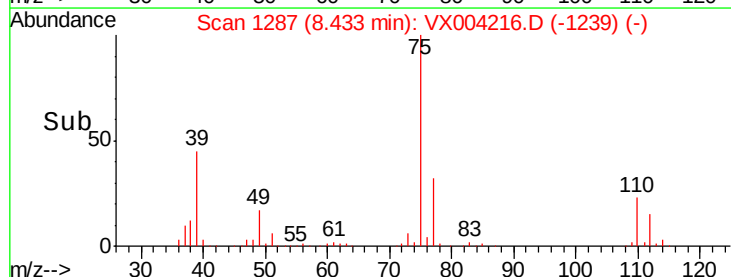
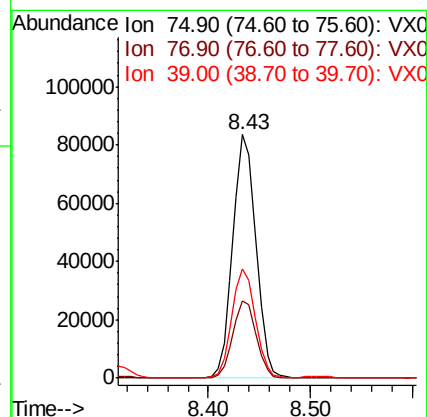
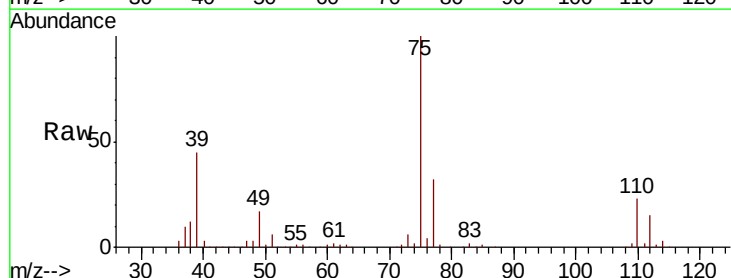
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

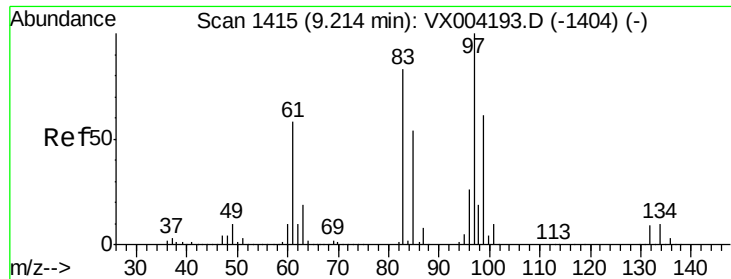
Tot Ion: 75 Resp: 119137
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 19.85 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 75 Resp: 131091
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2
39 44.9 36.4 54.6

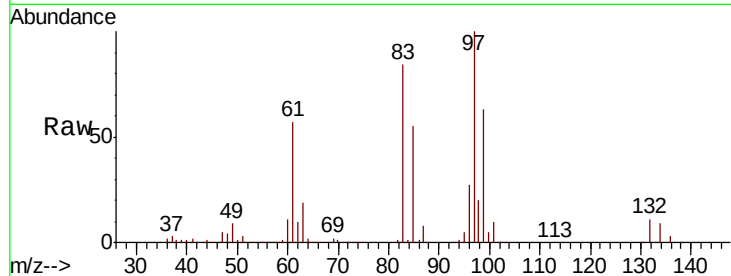




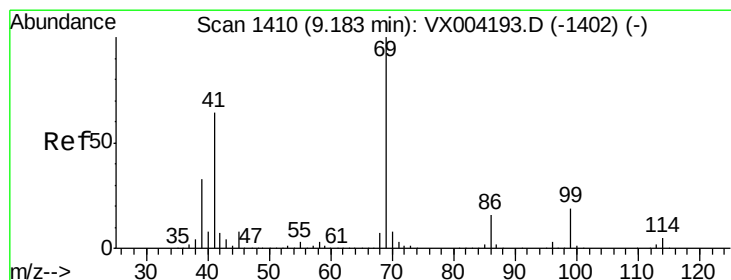
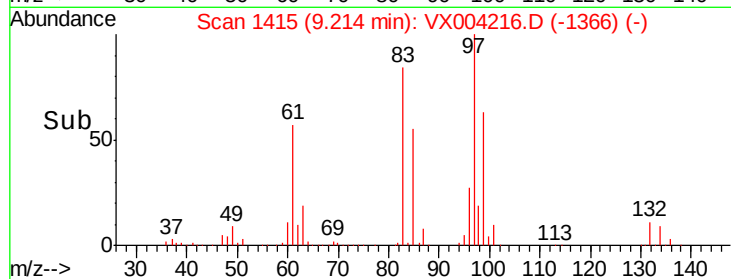
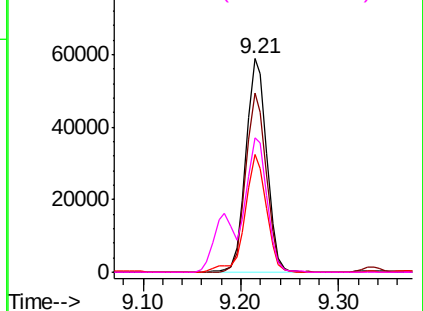
#55
 1,1,2-Trichloroethane
 Concen: 19.49 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion:	97	Resp:	87181
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.4	99.6
85	54.9	43.3	64.9
99	63.1	49.0	73.4

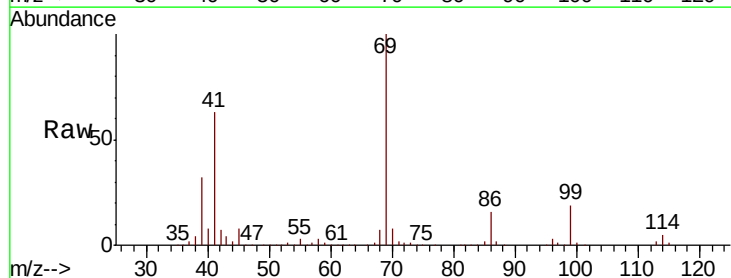


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

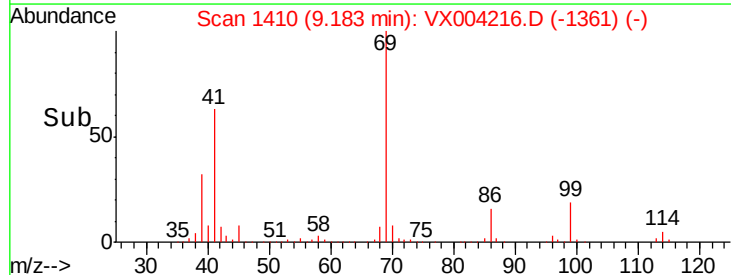
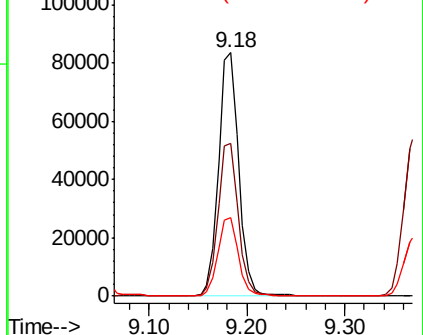


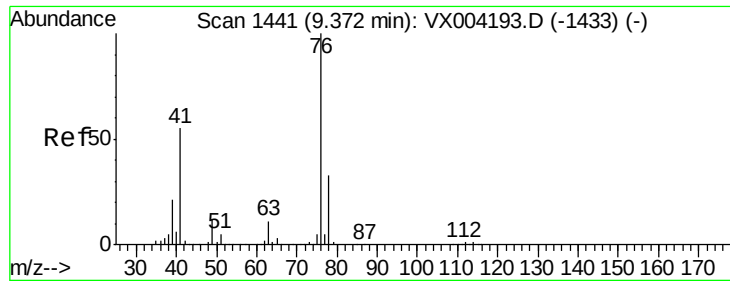
#56
 Ethyl methacrylate
 Concen: 19.70 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:	69	Resp:	119974
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	32.2	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

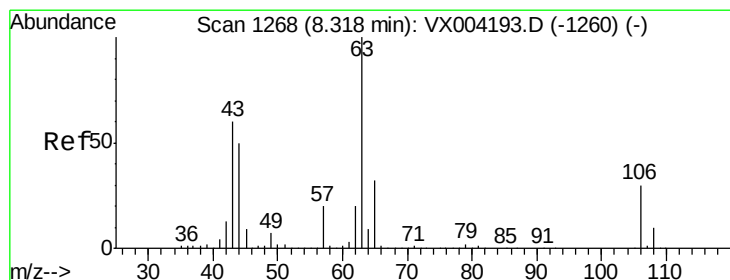
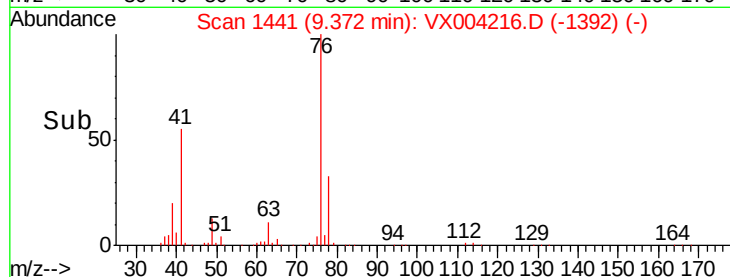
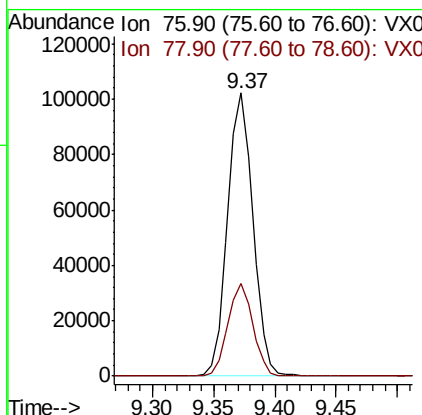
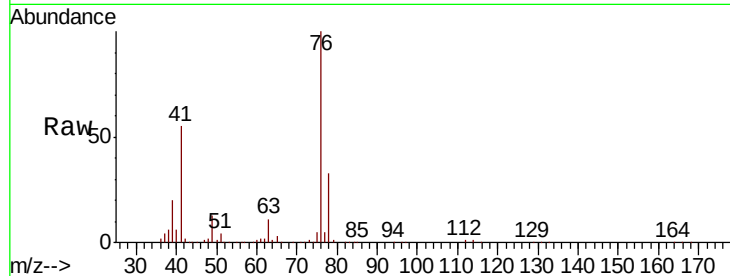




#57
 1,3-Dichloropropane
 Concen: 19.47 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

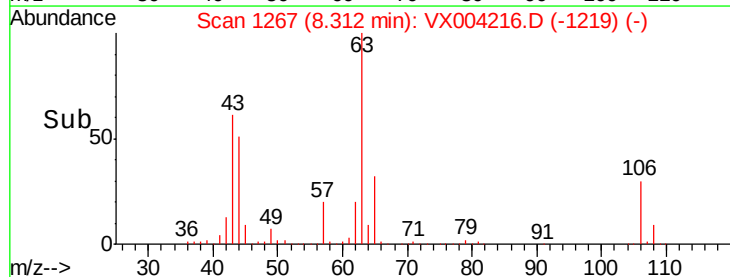
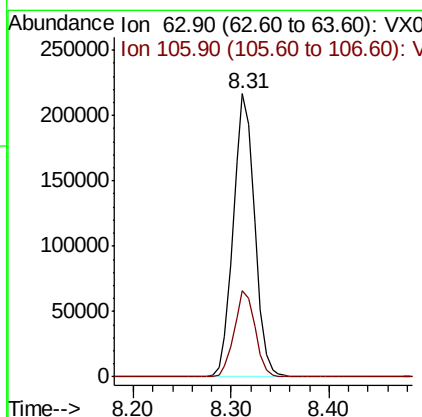
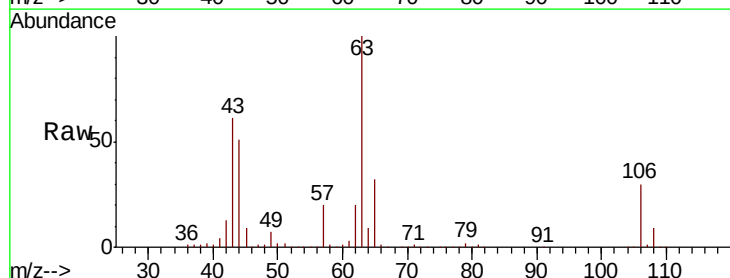
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

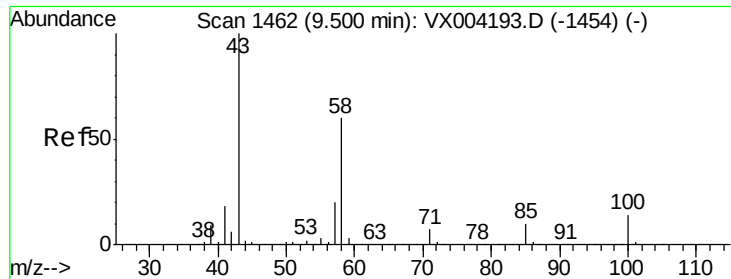
Tot Ion: 76 Resp: 146787
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.23 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 63 Resp: 328282
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.9 35.9

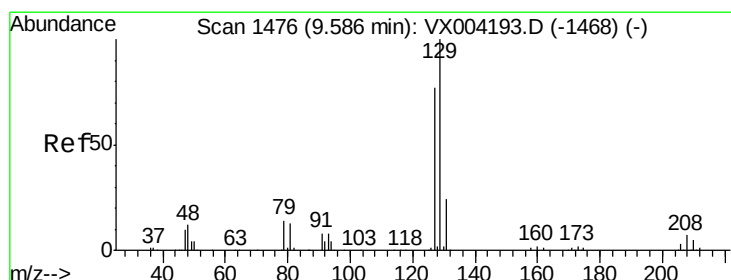
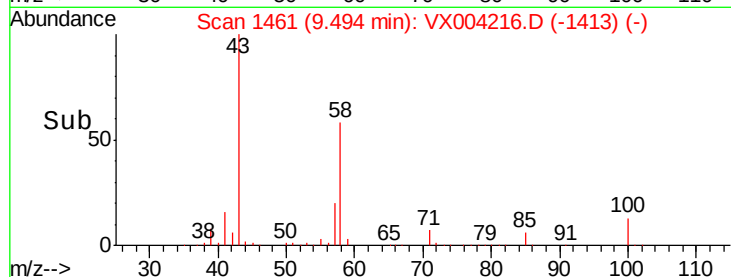
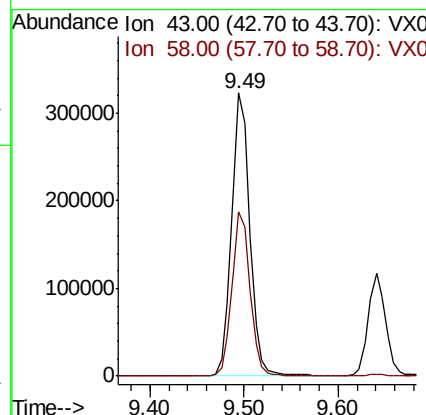
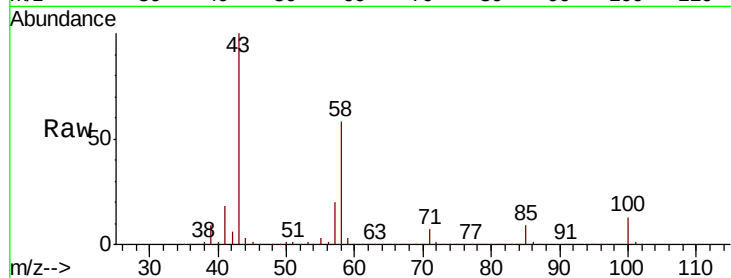




#59
2-Hexanone
Concen: 87.86 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

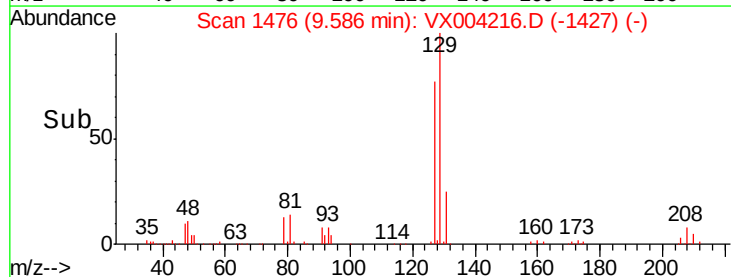
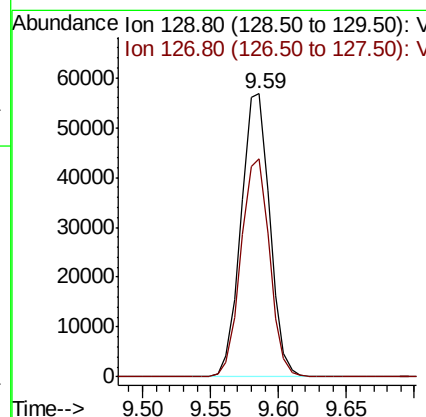
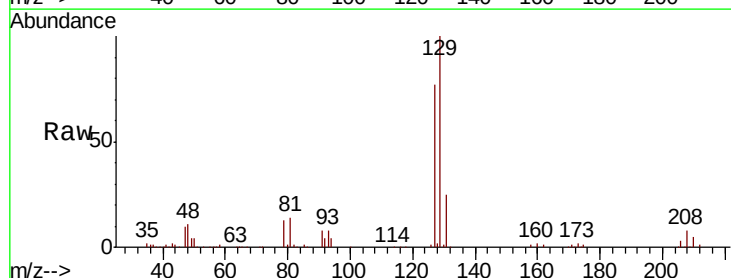
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

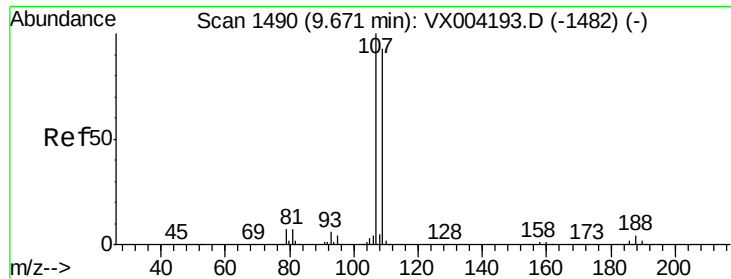
Tot Ion: 43 Resp: 435987
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.0



#60
Dibromochloromethane
Concen: 19.21 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:129 Resp: 83727
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.65 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

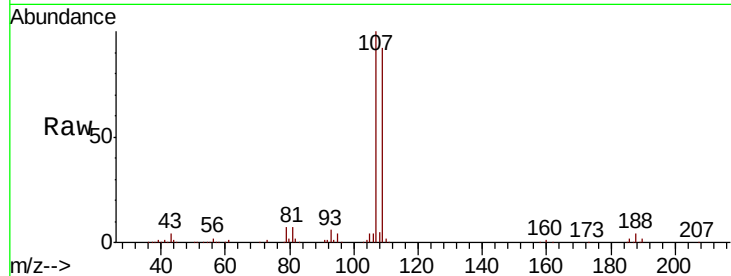
VX0823WBS01

Tot Ion:107 Resp: 90944

Ion Ratio Lower Upper

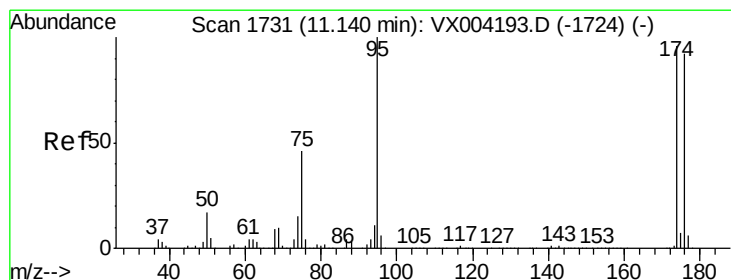
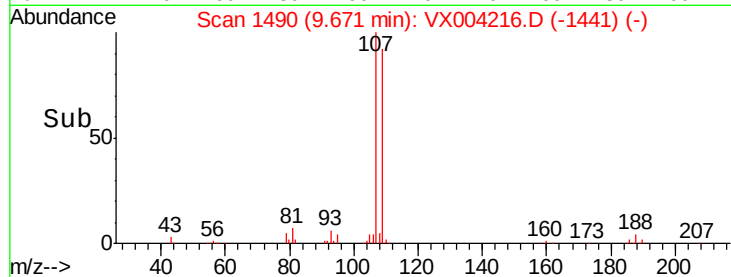
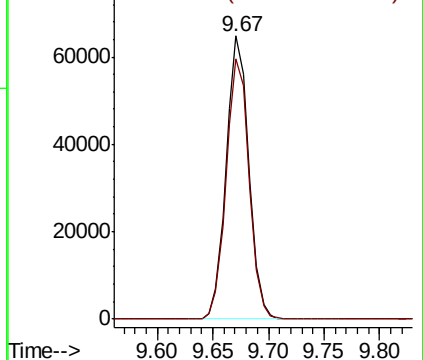
107 100

109 93.4 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

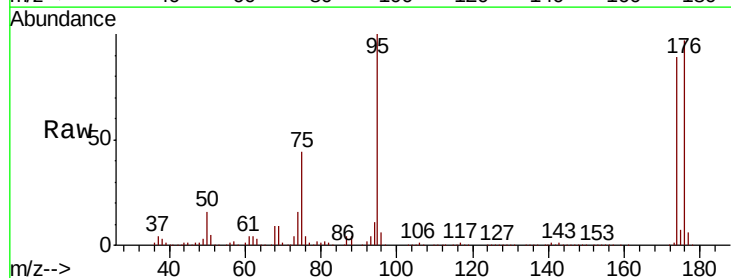
Tgt Ion: 95 Resp: 267603

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.2

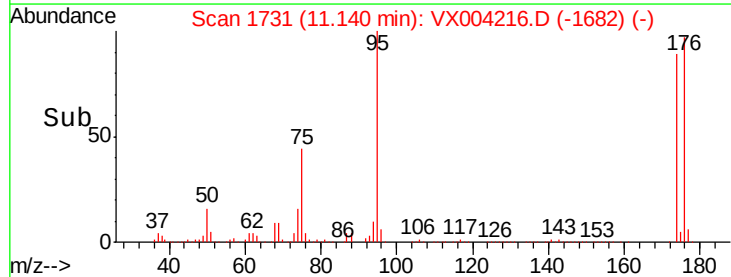
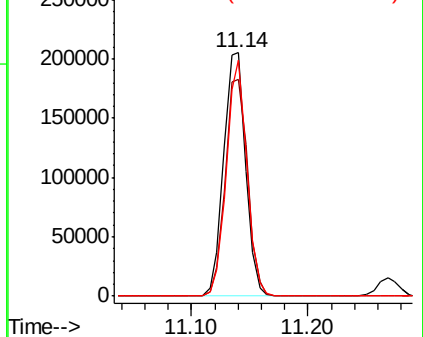
176 90.4 0.0 178.6

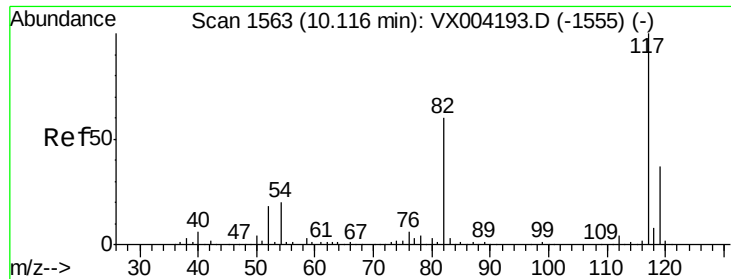


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

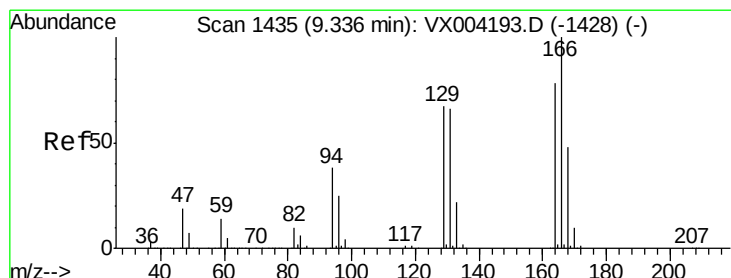
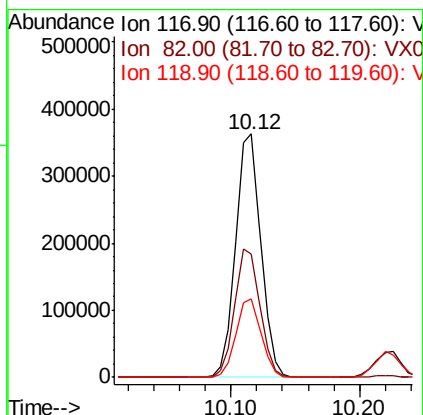
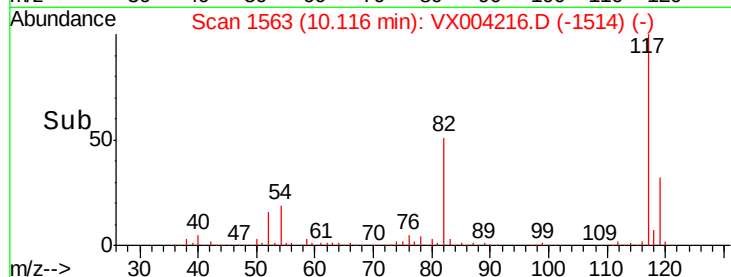
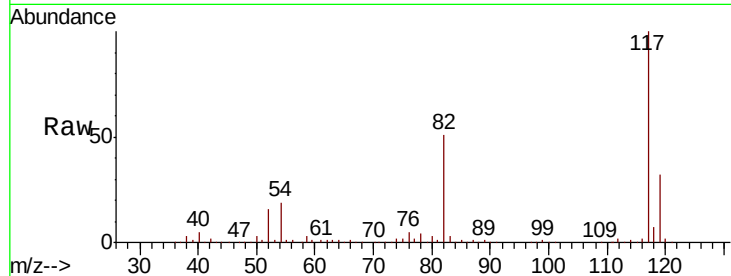




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

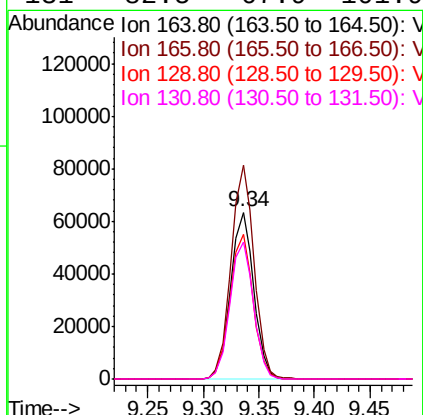
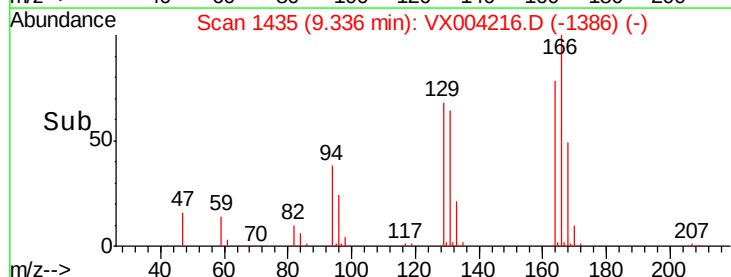
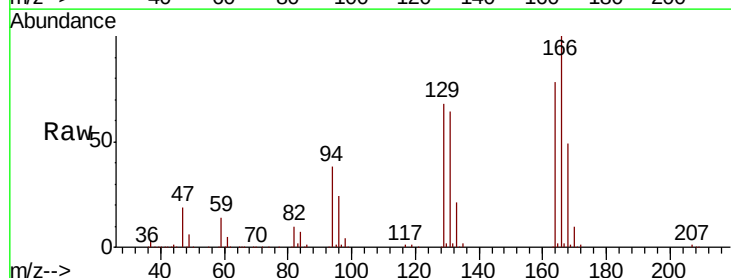
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

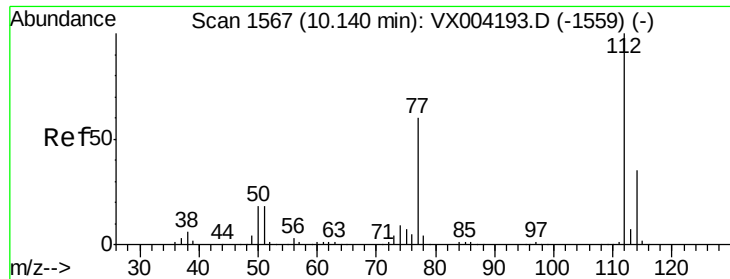
Tot Ion:117 Resp: 497409
Ion Ratio Lower Upper
117 100
82 50.8 47.8 71.6
119 32.5 29.3 43.9



#64
Tetrachloroethene
Concen: 18.52 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:164 Resp: 91026
Ion Ratio Lower Upper
164 100
166 128.3 102.8 154.2
129 87.2 69.4 104.0
131 82.5 67.9 101.9

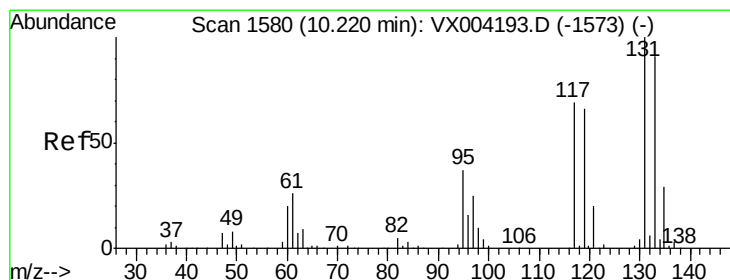
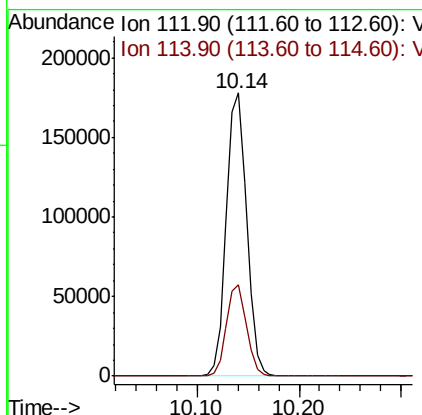
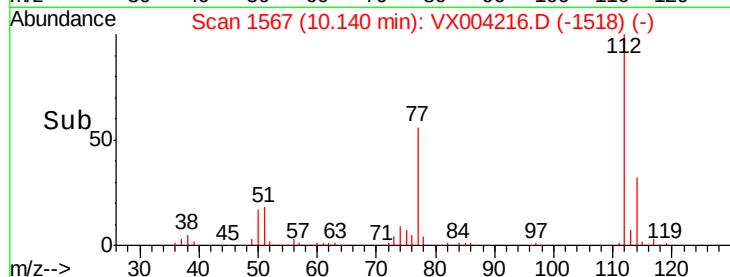
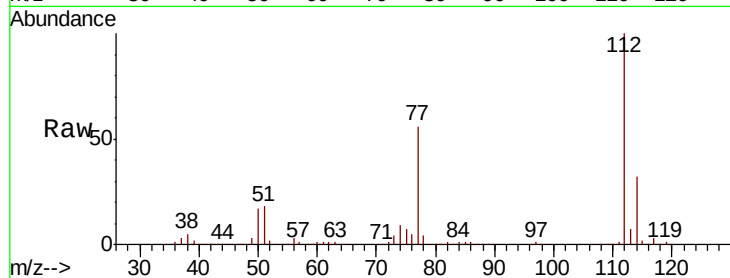




#65
Chlorobenzene
Concen: 19.61 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

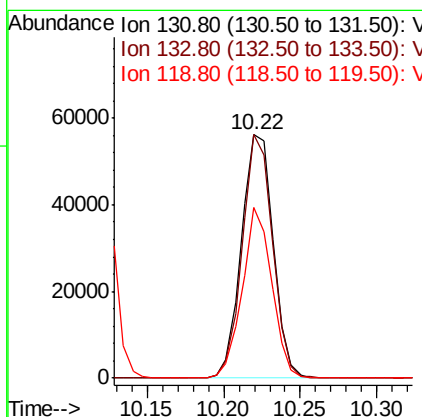
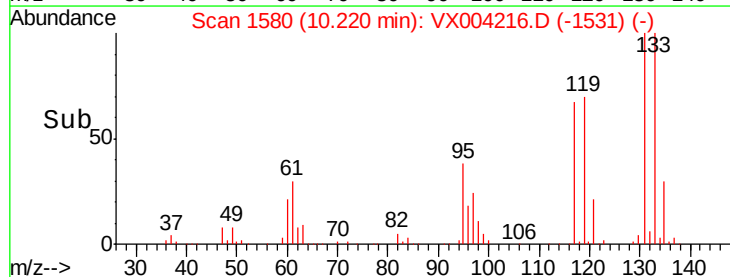
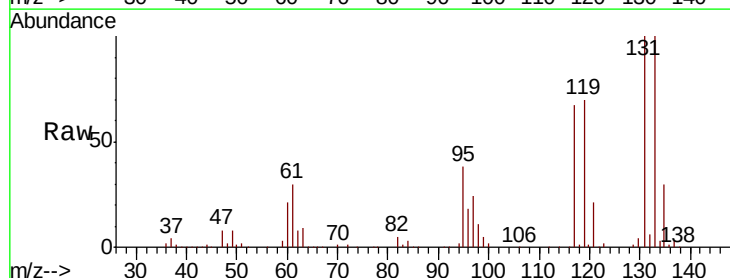
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

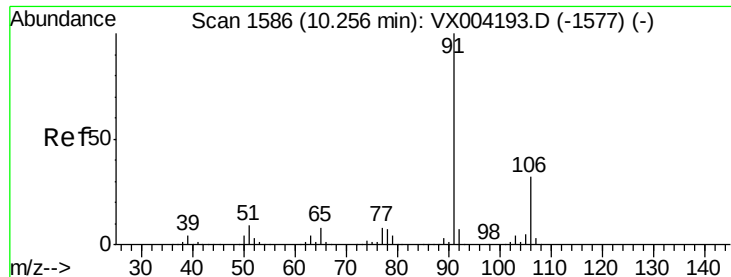
Tot Ion:112 Resp: 244793
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.82 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:131 Resp: 81019
Ion Ratio Lower Upper
131 100
133 95.0 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 19.17 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

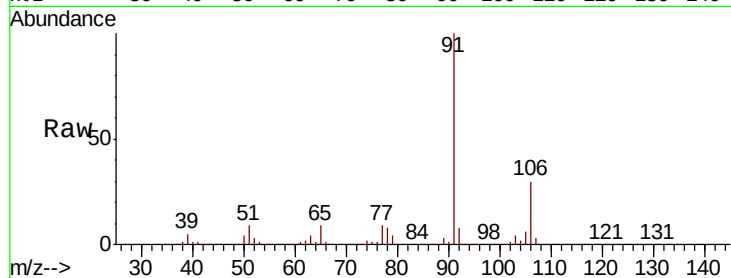
VX0823WBS01

Tot Ion: 91 Resp: 388727

Ion Ratio Lower Upper

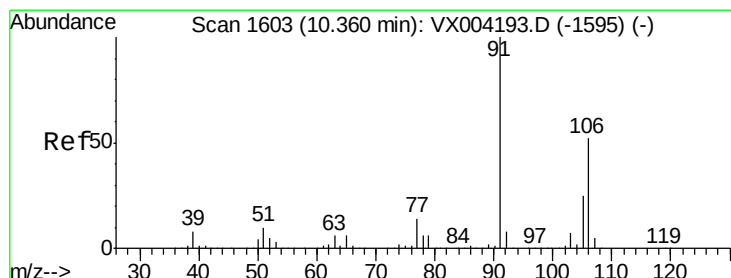
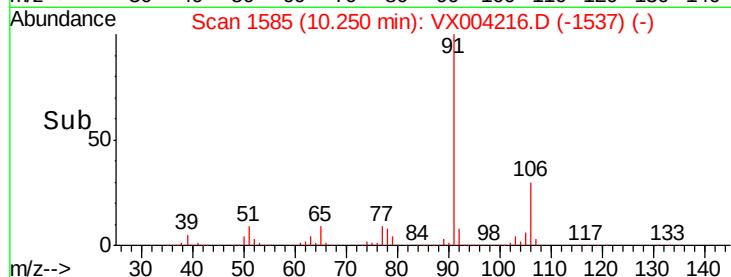
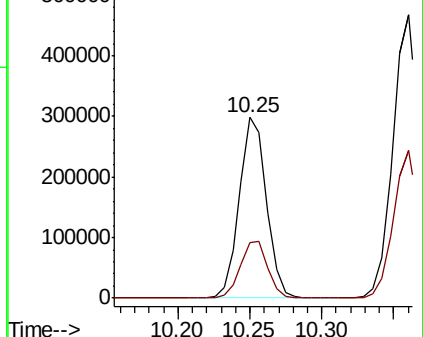
91 100

106 30.5 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.48 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004216.D

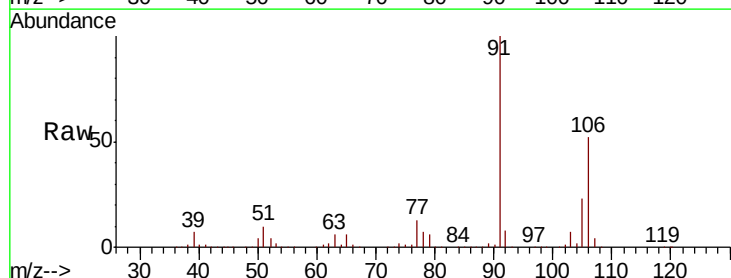
Acq: 23 Aug 2018 10:35

Tgt Ion:106 Resp: 313011

Ion Ratio Lower Upper

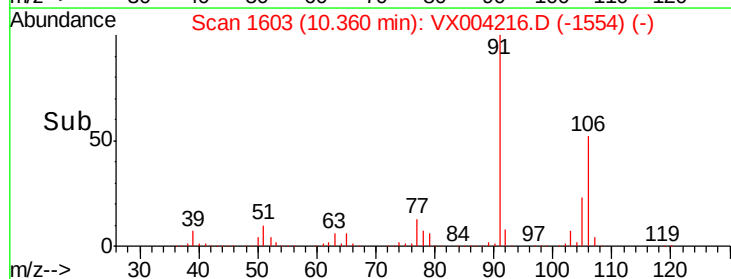
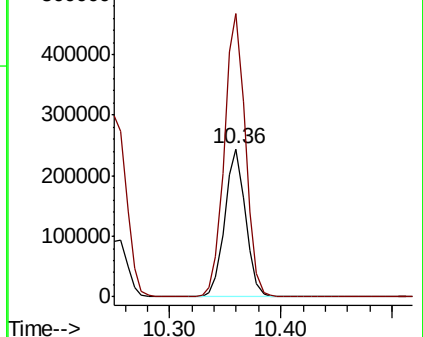
106 100

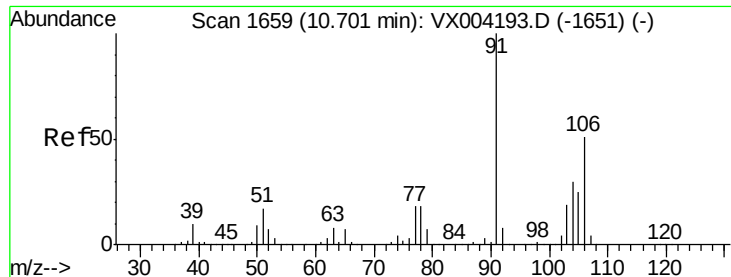
91 195.5 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

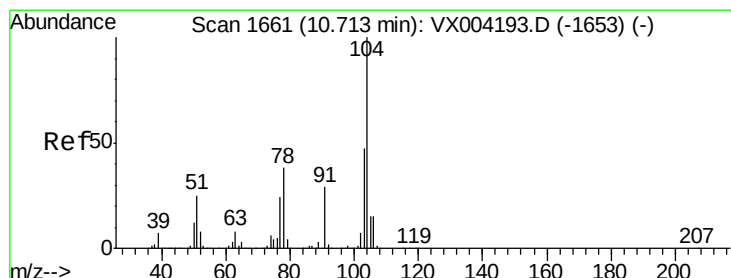
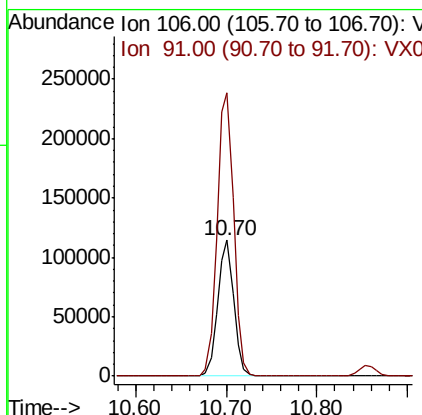
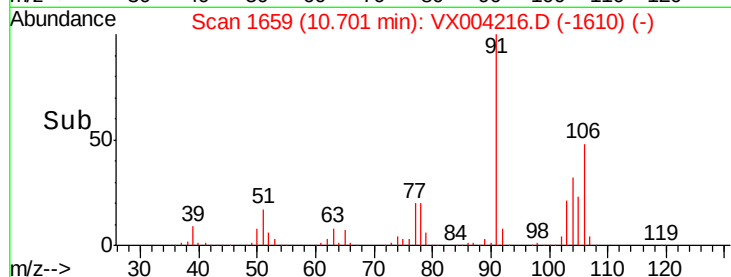
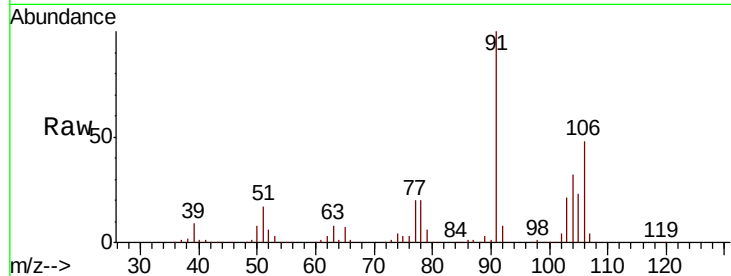




#69
o-Xylene
Concen: 18.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

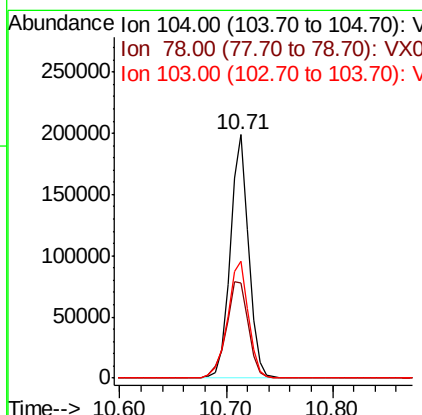
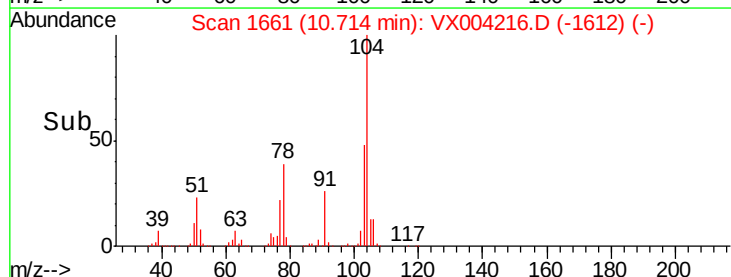
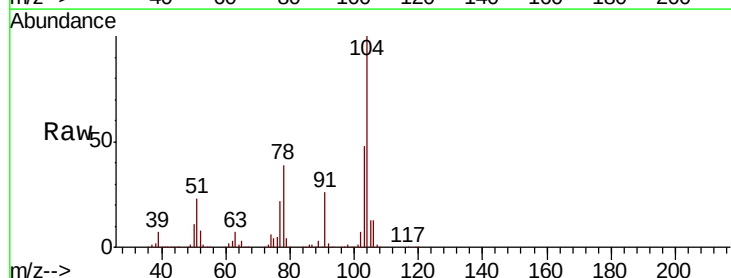
Instrument :
MSVOA_X
ClientSampled :
VX0823WBS01

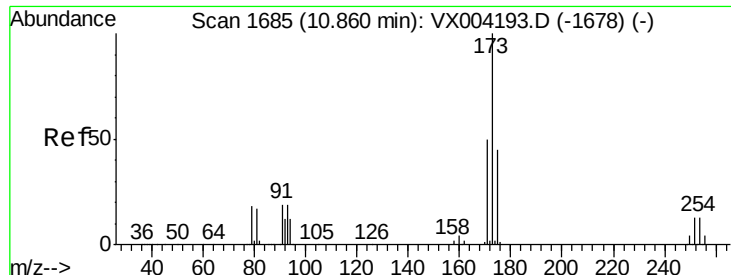
Tot Ion:106 Resp: 141523
Ion Ratio Lower Upper
106 100
91 216.4 105.1 315.1



#70
Styrene
Concen: 19.84 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:104 Resp: 240850
Ion Ratio Lower Upper
104 100
78 47.5 37.4 56.0
103 54.1 43.8 65.6





#71

Bromoform

Concen: 17.20 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

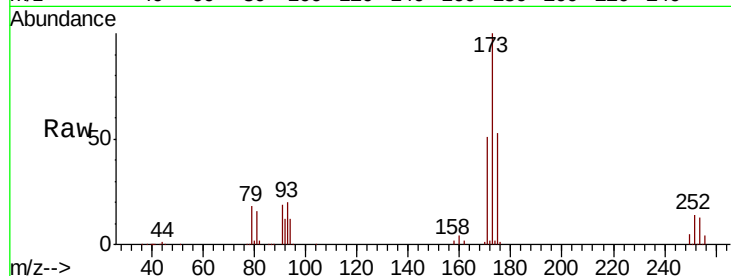
Tot Ion:173 Resp: 59688

Ion Ratio Lower Upper

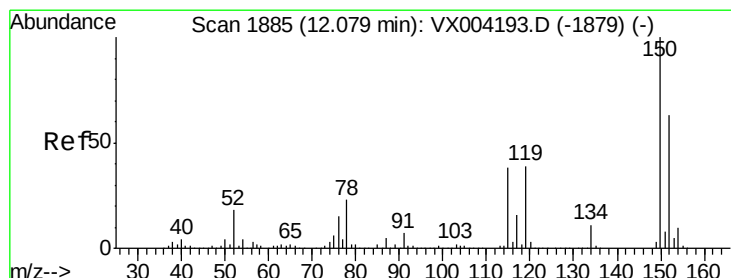
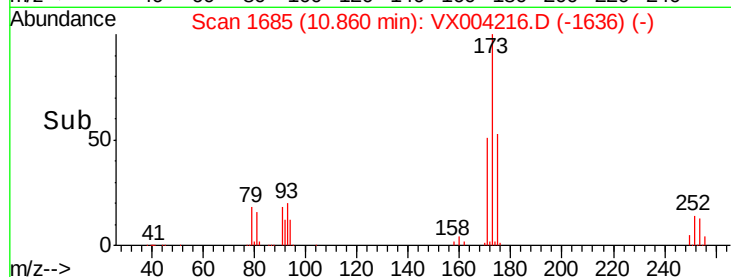
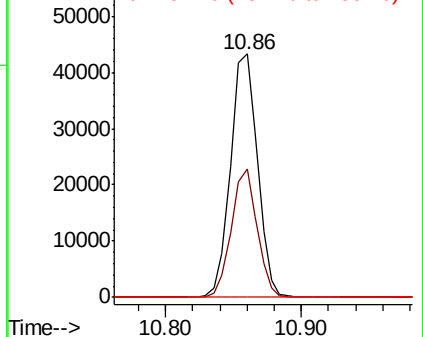
173 100

175 50.5 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: VX004216.D

Acq: 23 Aug 2018 10:35

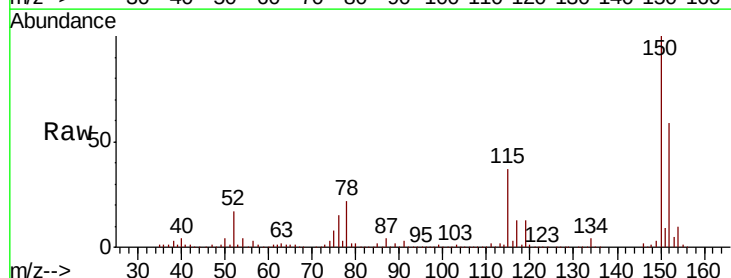
Tgt Ion:152 Resp: 290289

Ion Ratio Lower Upper

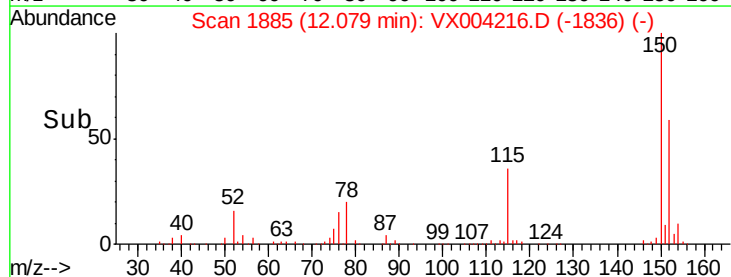
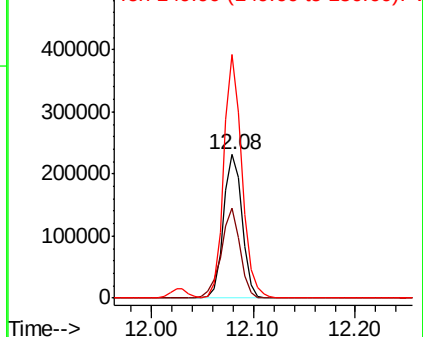
152 100

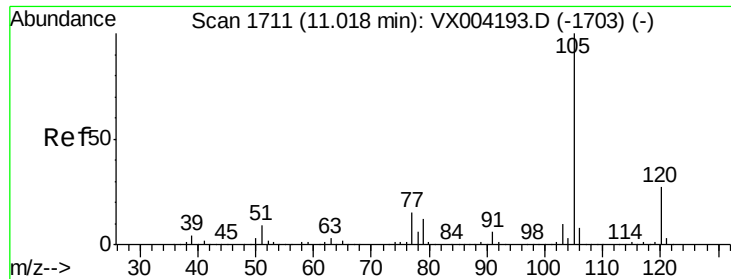
115 65.1 39.0 117.0

150 166.3 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: 21.33 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

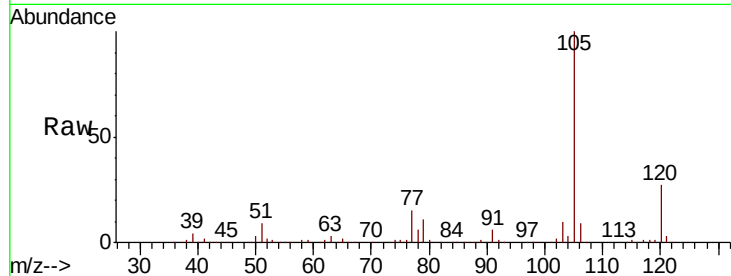
VX0823WBS01

Tot Ion:105 Resp: 406720

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

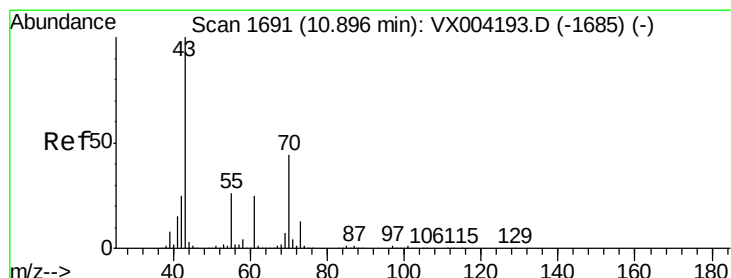
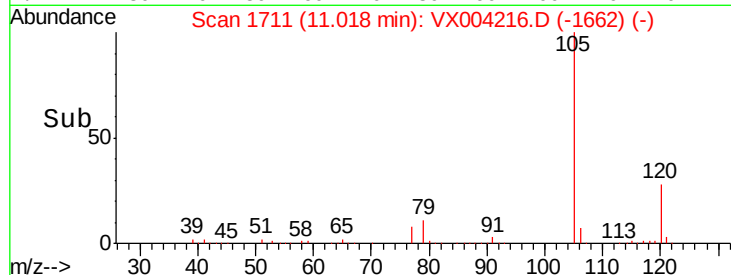
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.35 ug/l

RT: 10.90 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion: 43 Resp: 142044

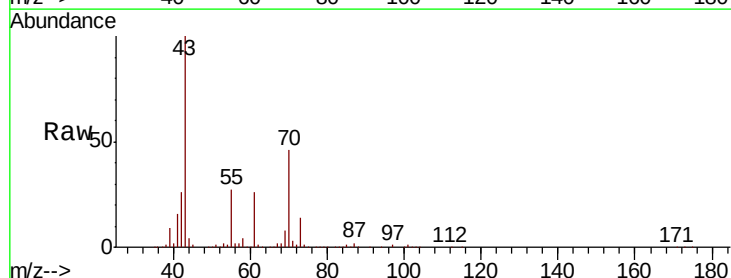
Ion Ratio Lower Upper

43 100

70 47.3 37.4 56.0

55 27.6 21.8 32.8

61 26.4 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

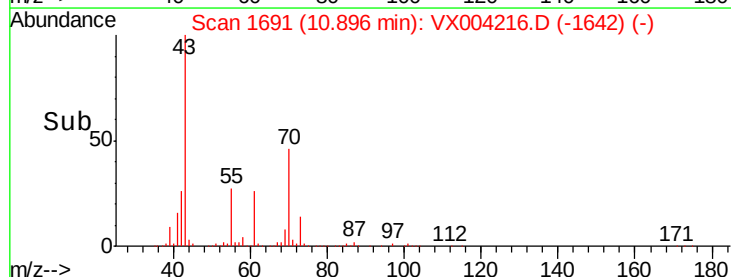
150000

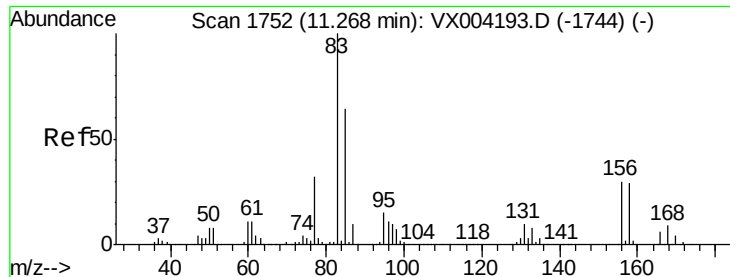
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

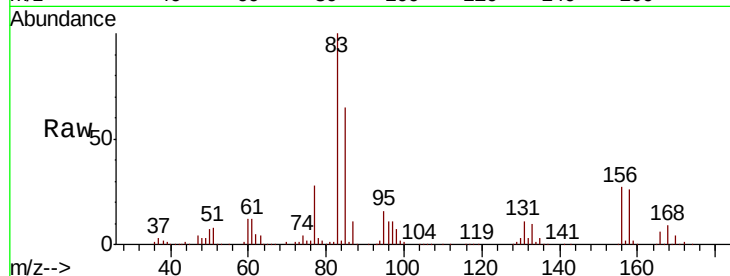
Tot Ion: 83 Resp: 121250

Ion Ratio Lower Upper

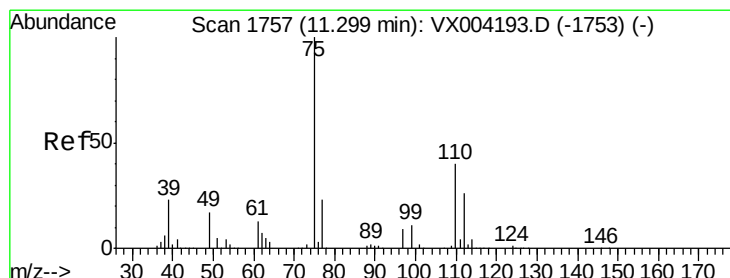
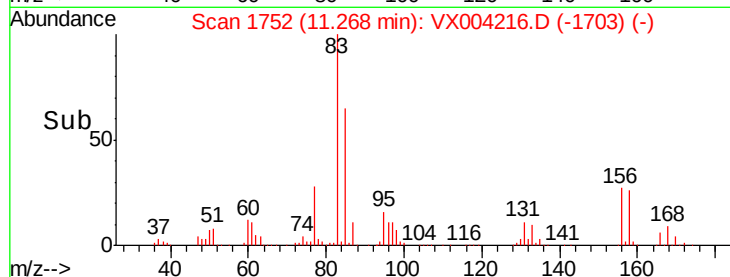
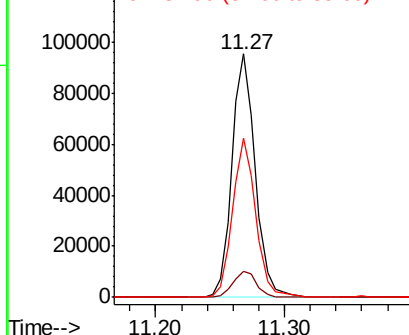
83 100

131 10.9 5.2 15.6

85 64.5 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: 23.48 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004216.D

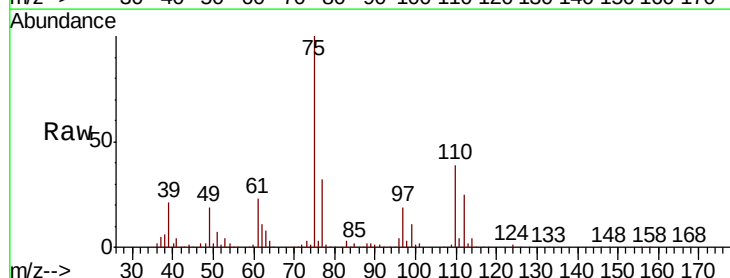
Acq: 23 Aug 2018 10:35

Tgt Ion: 75 Resp: 138600

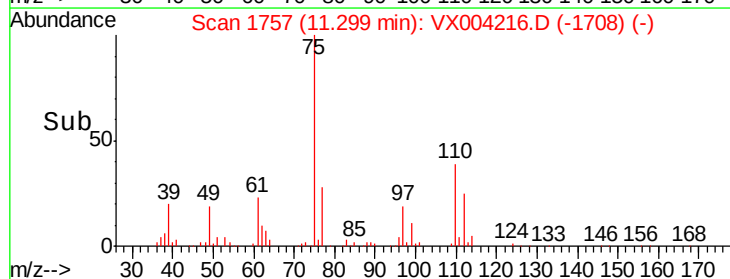
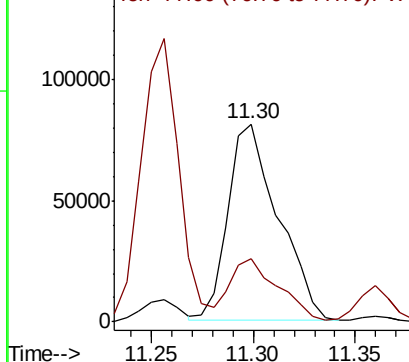
Ion Ratio Lower Upper

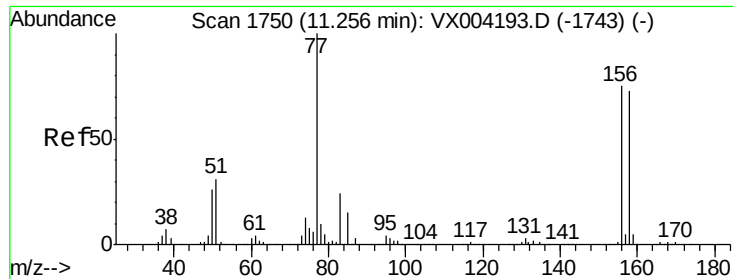
75 100

77 30.9 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: 19.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

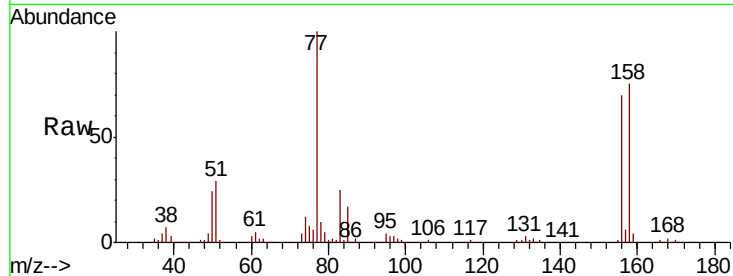
Tot Ion:156 Resp: 102331

Ion Ratio Lower Upper

156 100

77 147.0 71.5 214.3

158 100.0 48.9 146.8

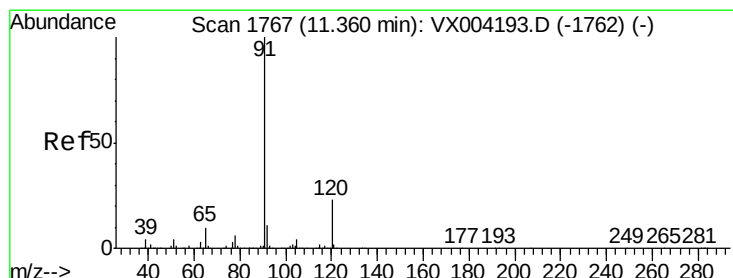
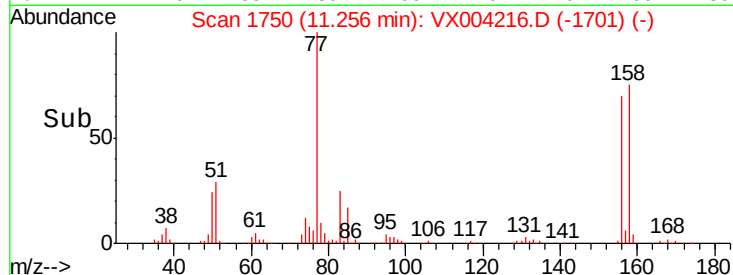
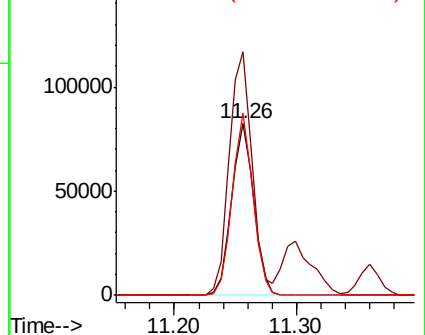


Abundance

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: 20.35 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004216.D

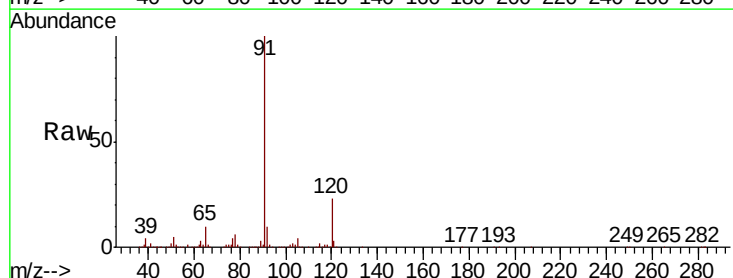
Acq: 23 Aug 2018 10:35

Tgt Ion: 91 Resp: 446174

Ion Ratio Lower Upper

91 100

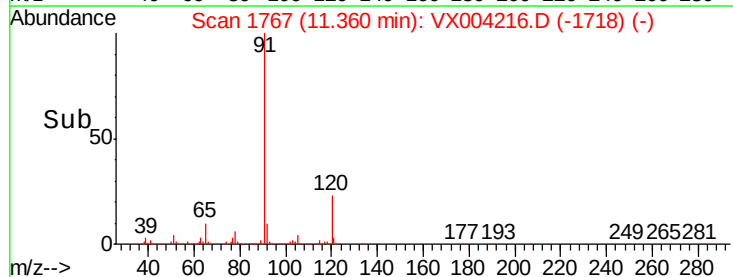
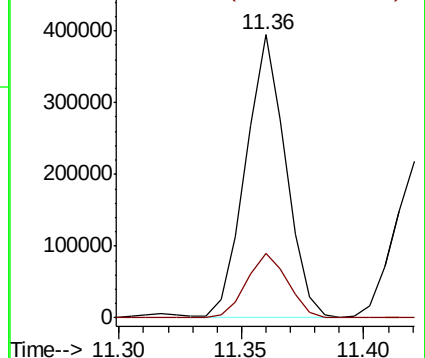
120 23.7 11.9 35.9

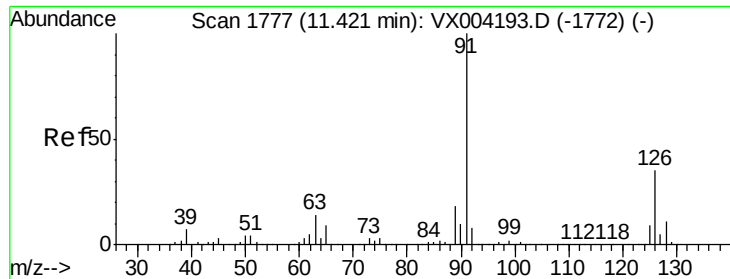


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

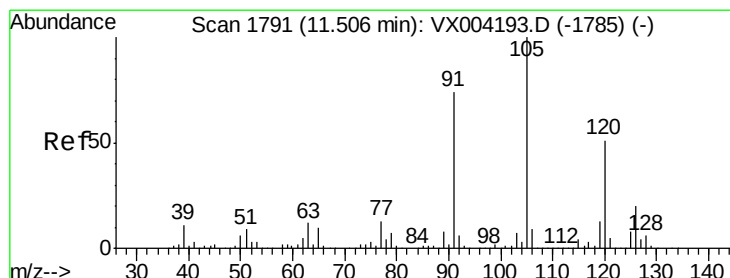
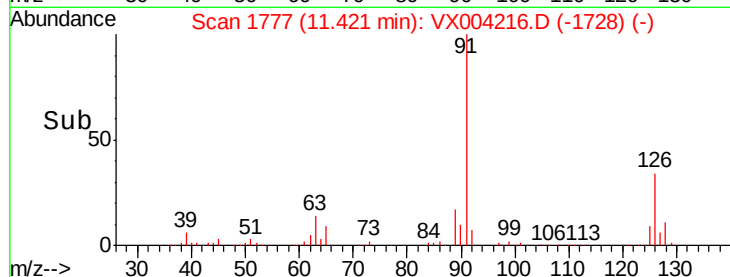
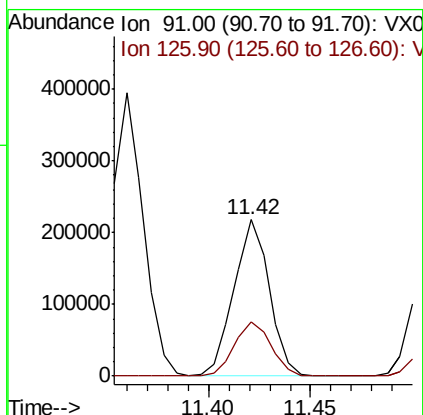
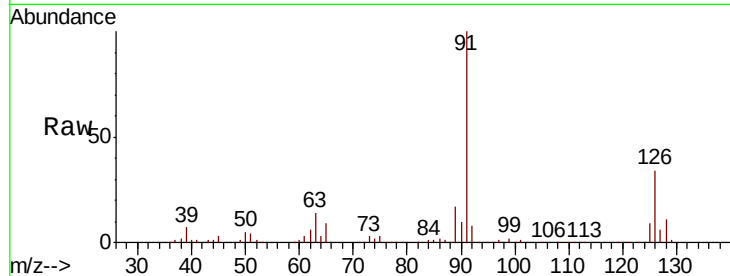




#79
 2-Chlorotoluene
 Concen: 19.43 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

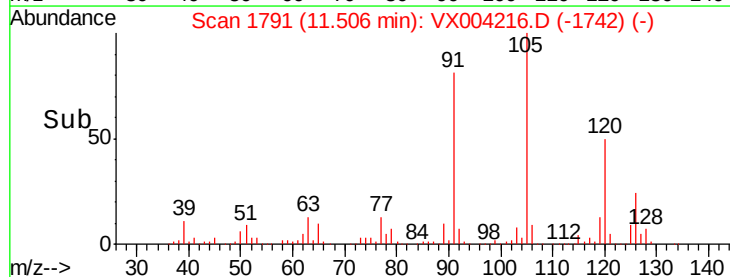
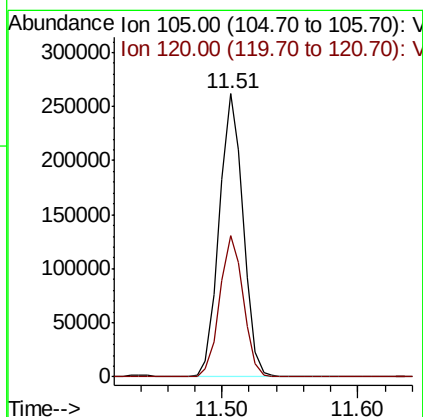
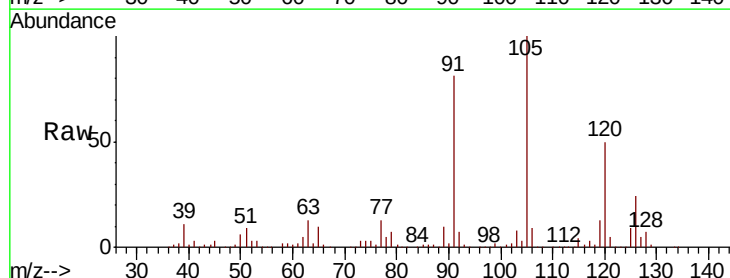
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

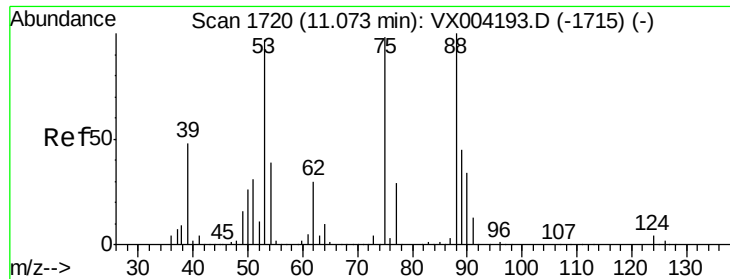
Tot Ion: 91 Resp: 262196
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 105 Resp: 316662
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.82 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

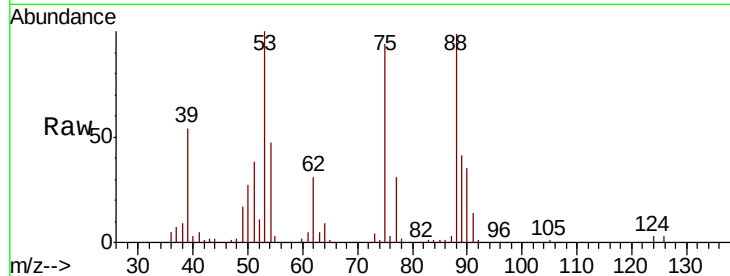
Tot Ion: 75 Resp: 34254

Ion Ratio Lower Upper

75 100

53 103.3 80.1 120.1

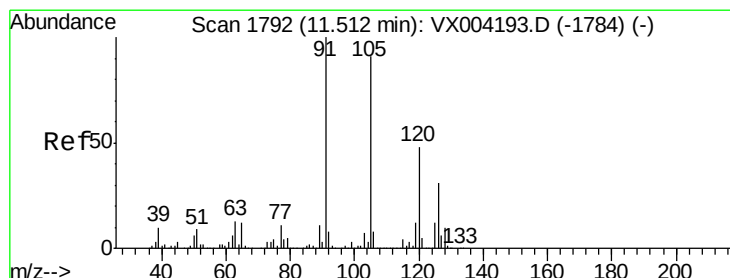
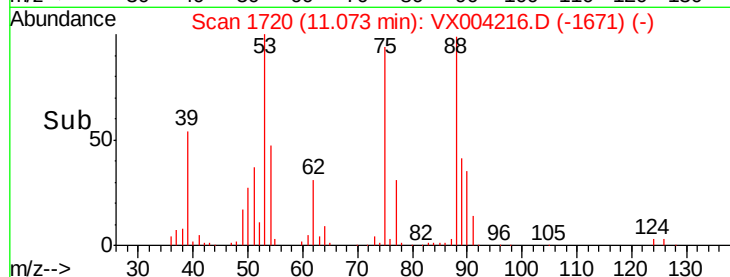
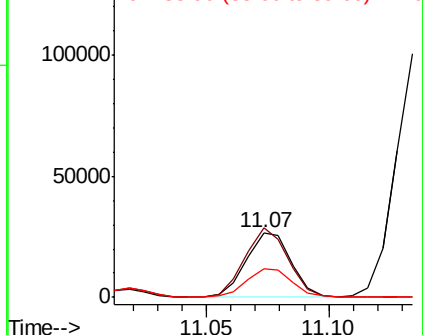
89 45.2 37.2 55.8



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: 18.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004216.D

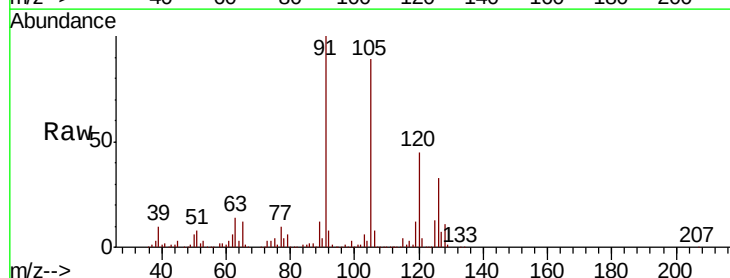
Acq: 23 Aug 2018 10:35

Tgt Ion: 91 Resp: 300803

Ion Ratio Lower Upper

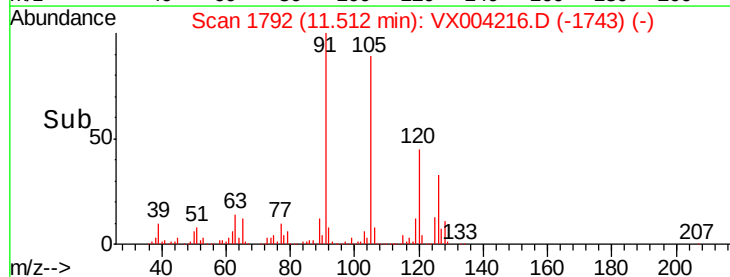
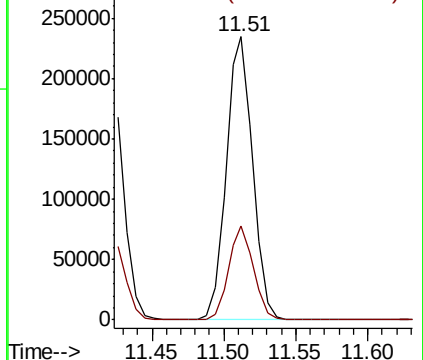
91 100

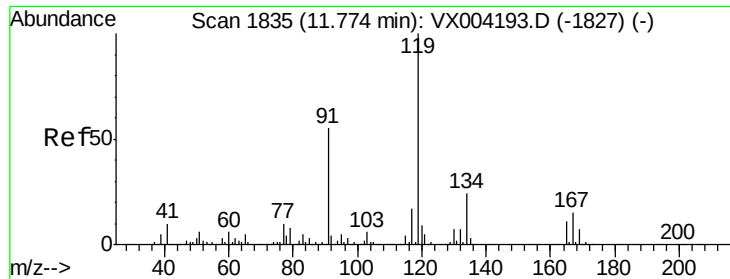
126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

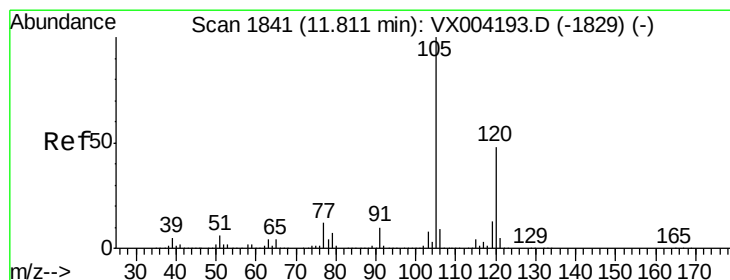
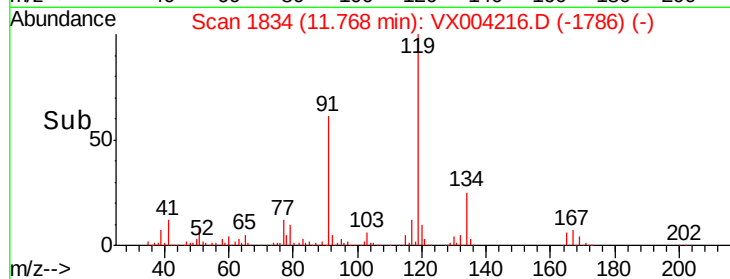
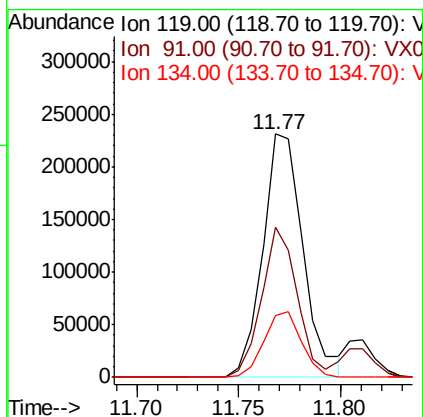
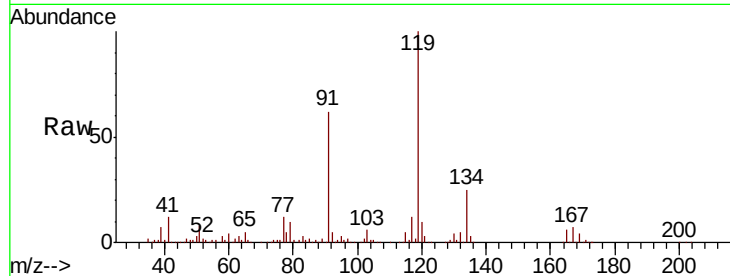




#83
 tert-Butylbenzene
 Concen: 20.03 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

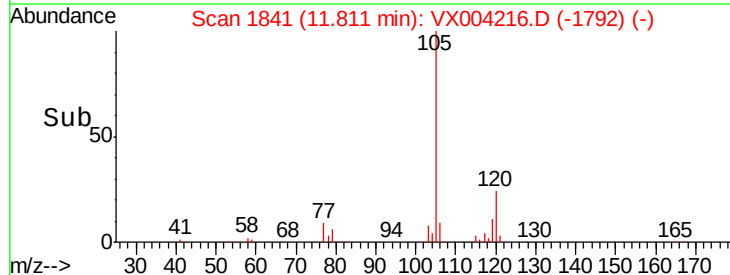
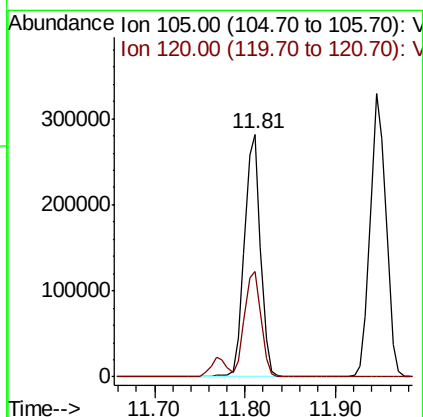
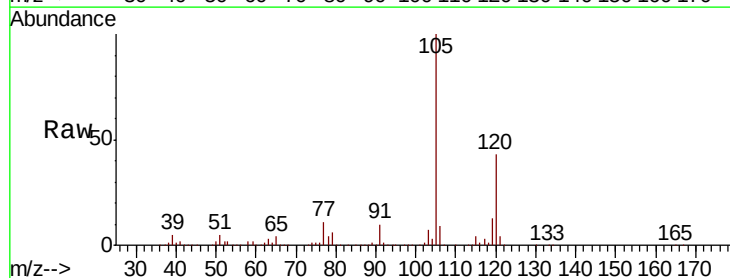
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

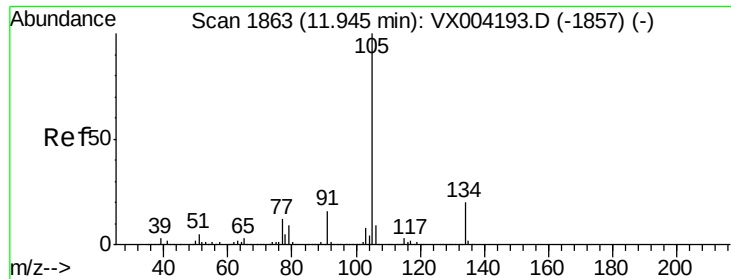
Tot Ion:119 Resp: 318190
 Ion Ratio Lower Upper
 119 100
 91 54.7 27.0 81.0
 134 25.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:105 Resp: 347045
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.30 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

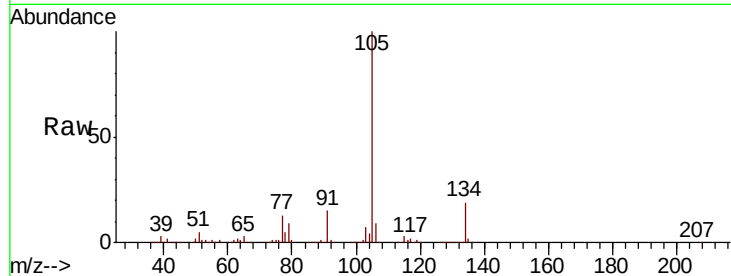
VX0823WBS01

Tot Ion:105 Resp: 401814

Ion Ratio Lower Upper

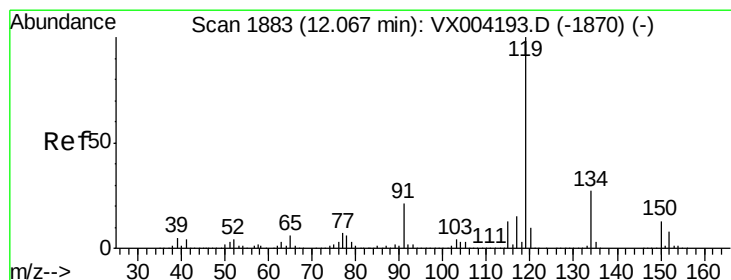
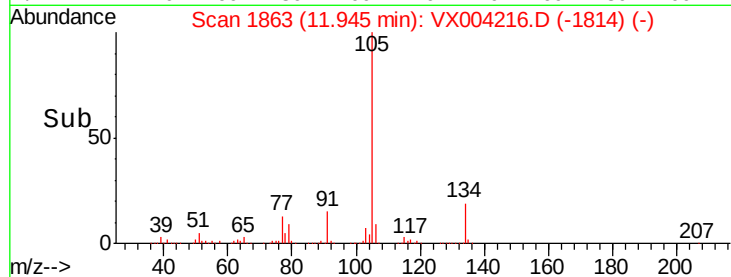
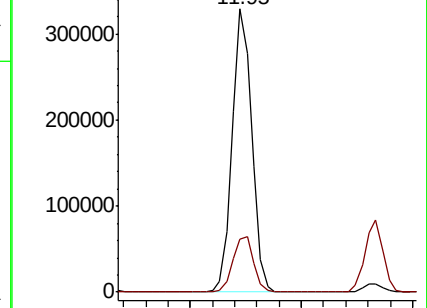
105 100

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: 20.75 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

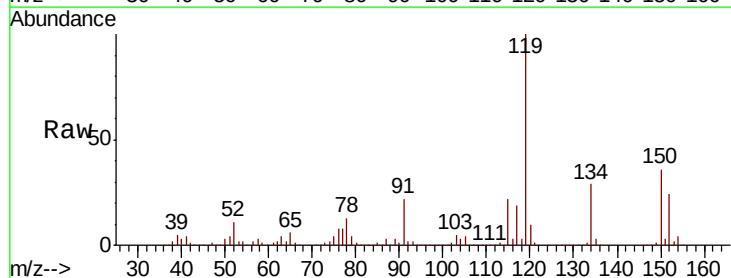
Tgt Ion:119 Resp: 350764

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

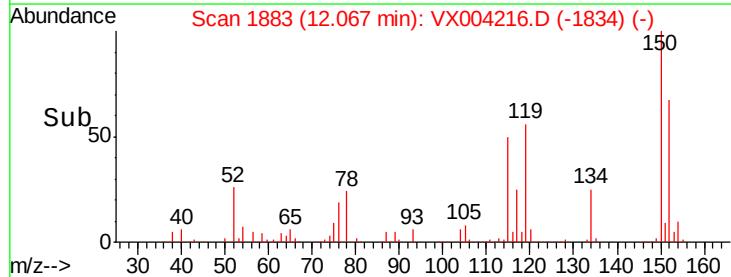
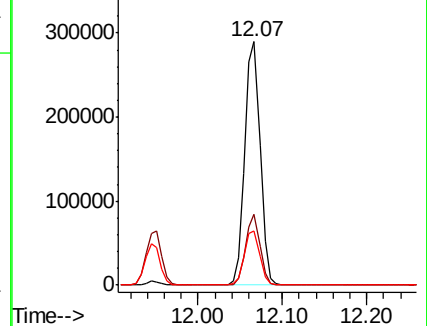
91 22.6 10.9 32.7

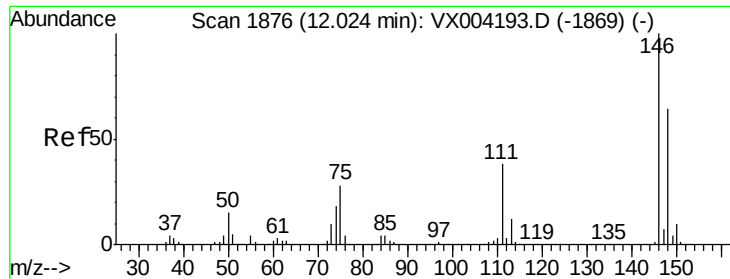


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

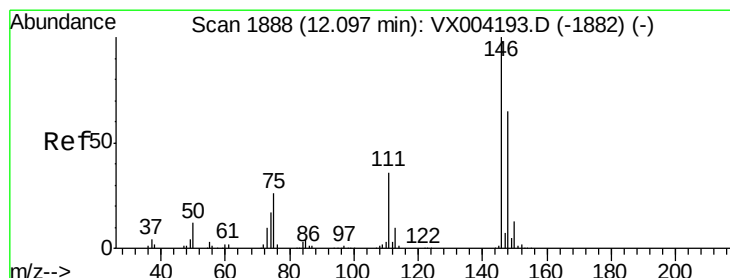
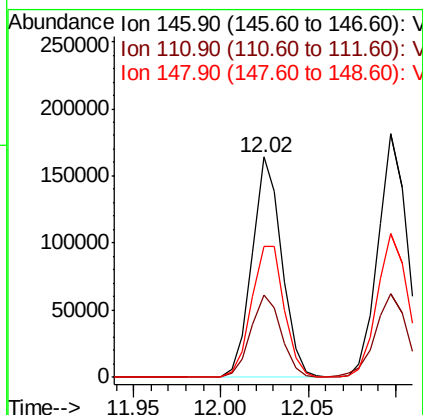
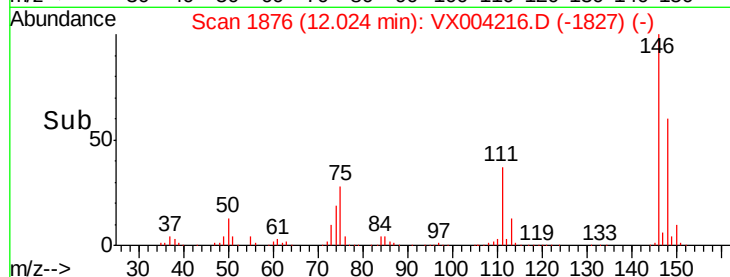
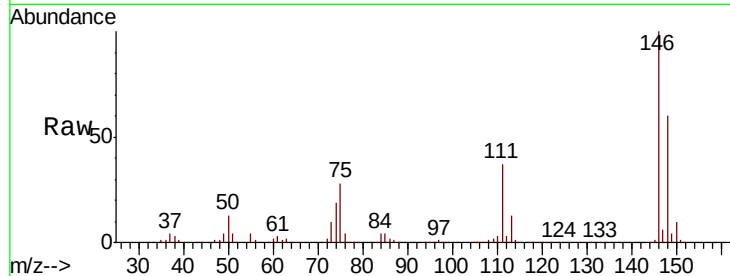




#87
 1,3-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

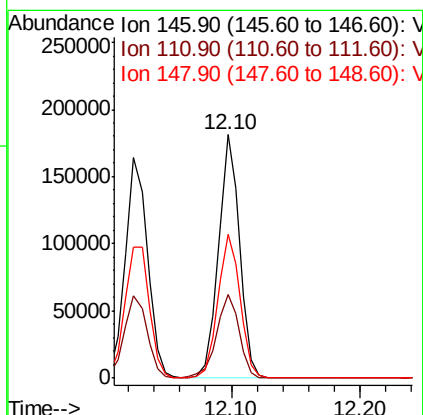
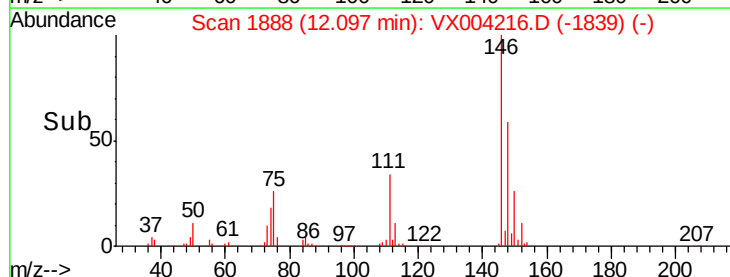
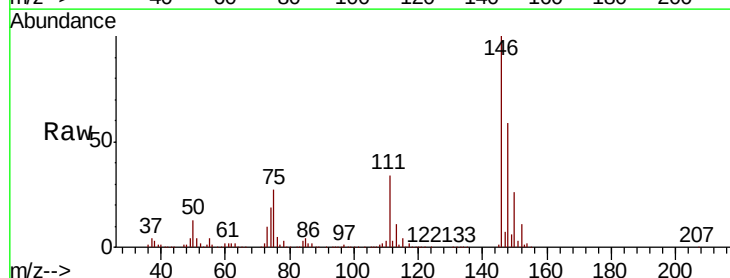
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

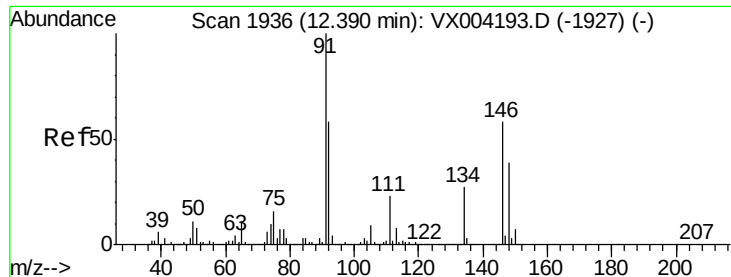
Tot Ion:146 Resp: 194061
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.7 56.1
 148 65.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:146 Resp: 209614
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 62.2 32.0 96.0

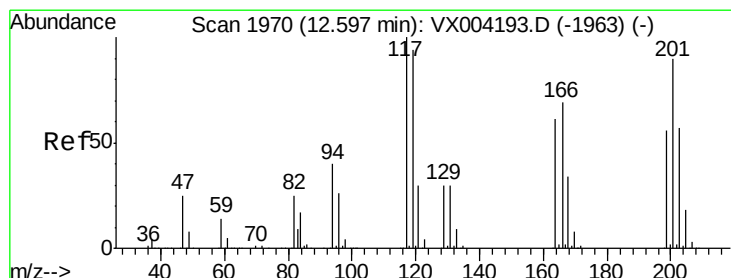
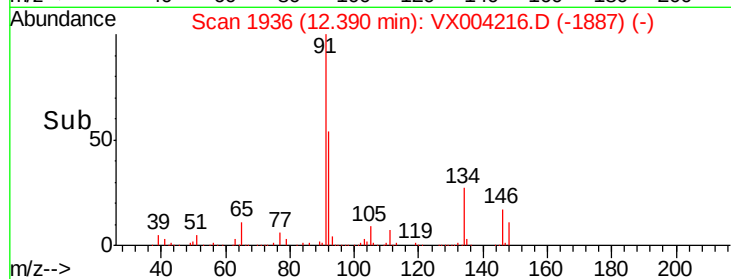
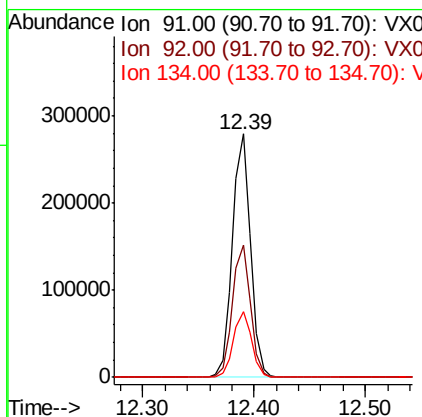
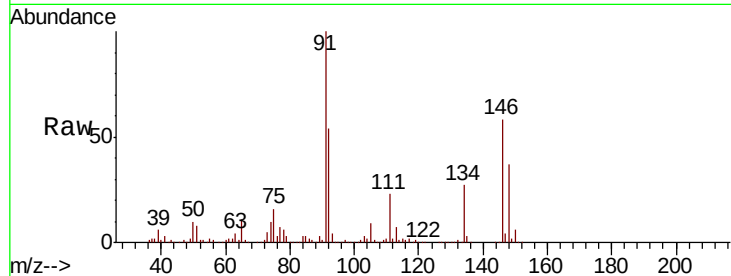




#89
n-Butylbenzene
Concen: 22.83 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

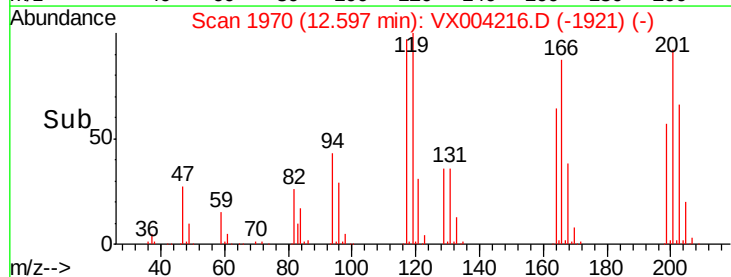
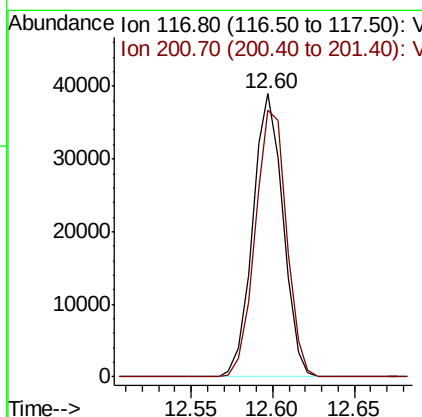
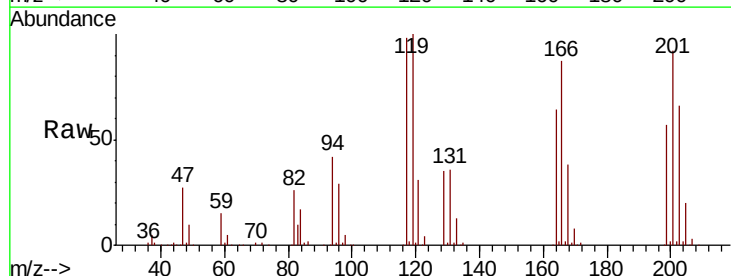
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

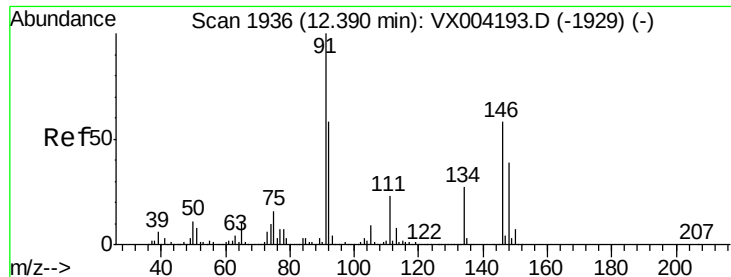
Tot Ion: 91 Resp: 313829
Ion Ratio Lower Upper
91 100
92 54.3 27.3 81.9
134 27.0 13.6 40.7



#90
Hexachloroethane
Concen: 21.34 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 117 Resp: 50419
Ion Ratio Lower Upper
117 100
201 97.4 46.9 140.6

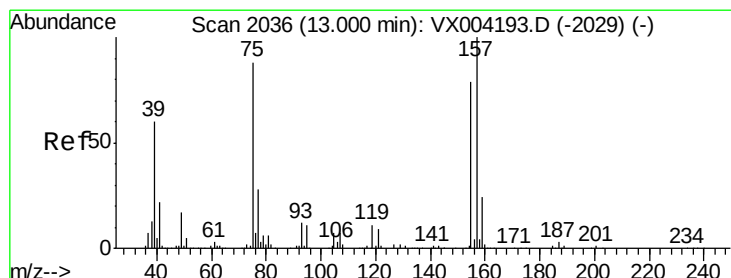
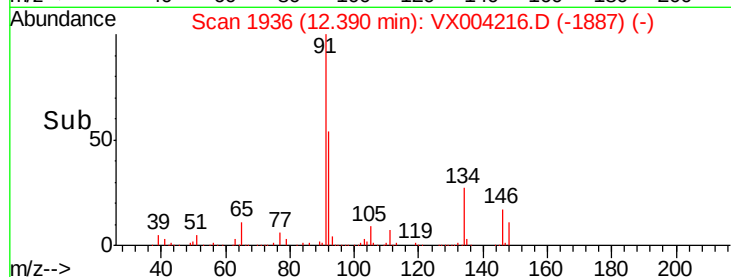
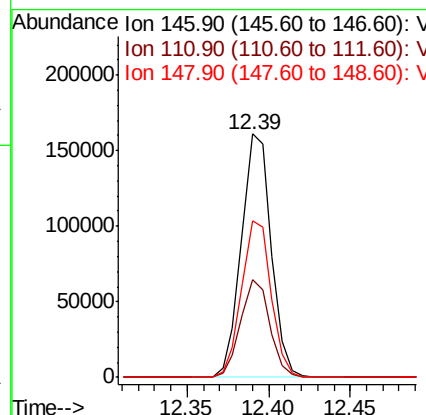
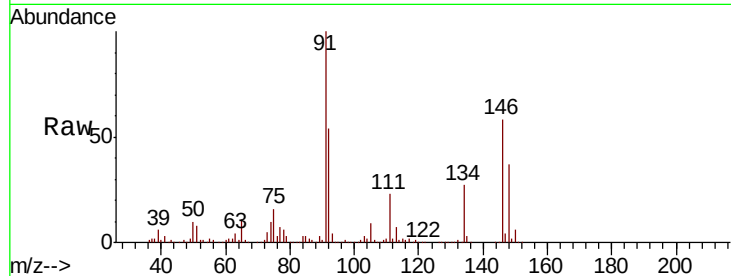




#91
 1,2-Dichlorobenzene
 Concen: 22.39 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

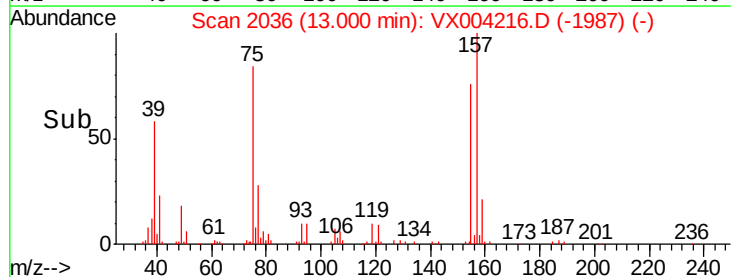
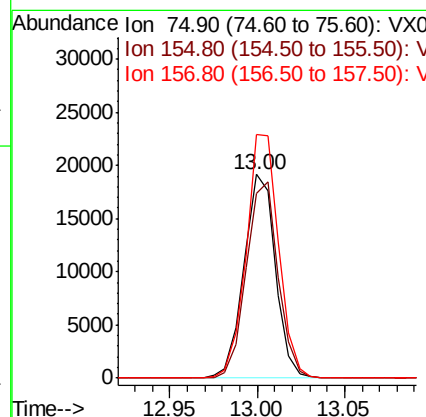
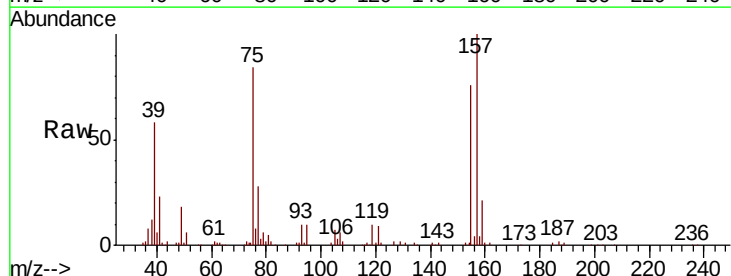
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

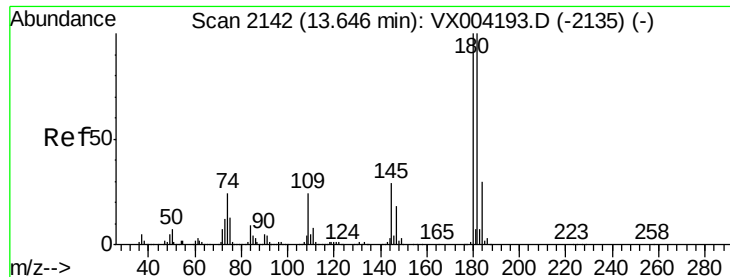
Tot Ion:146 Resp: 206031
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.1
 148 64.1 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.37 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 75 Resp: 23934
 Ion Ratio Lower Upper
 75 100
 155 97.1 48.0 144.2
 157 123.1 61.4 184.1





#93

1,2,4-Trichlorobenzene

Concen: 19.67 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

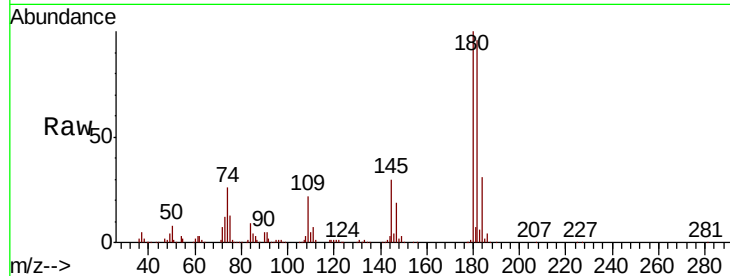
Tot Ion:180 Resp: 131697

Ion Ratio Lower Upper

180 100

182 93.2 48.4 145.0

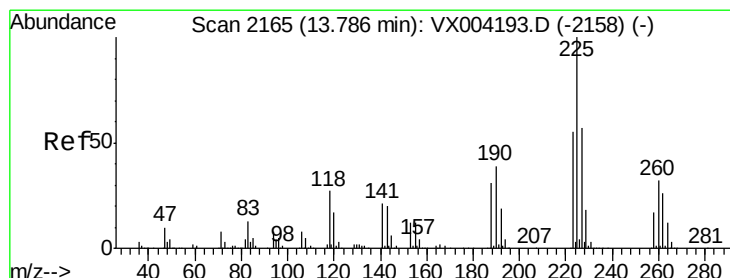
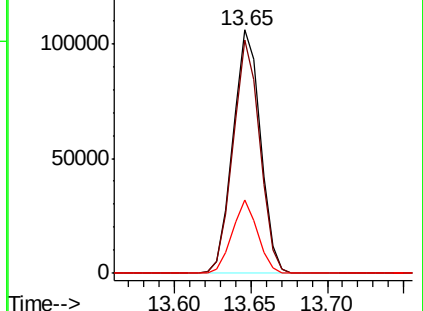
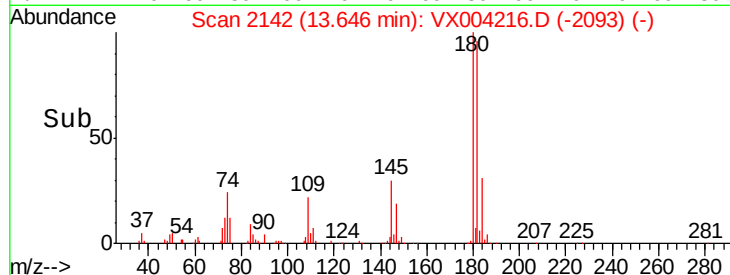
145 28.1 14.3 42.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.88 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

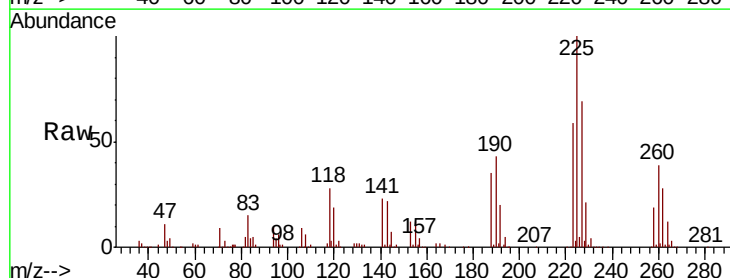
Tgt Ion:225 Resp: 62198

Ion Ratio Lower Upper

225 100

223 63.7 30.1 90.5

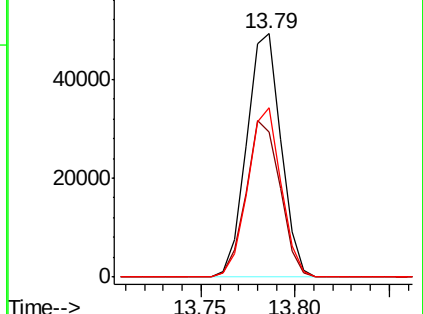
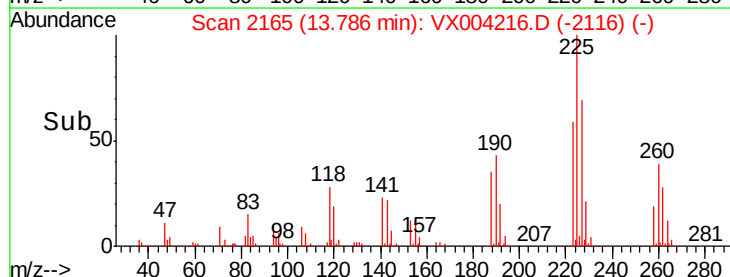
227 67.4 30.8 92.4

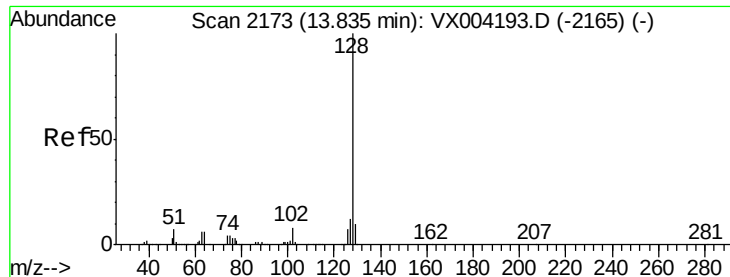


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.75 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

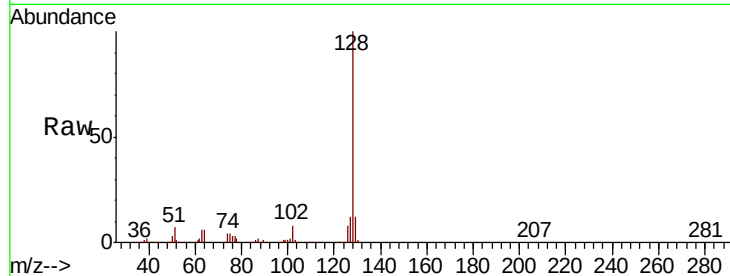
Tot Ion:128 Resp: 393078

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

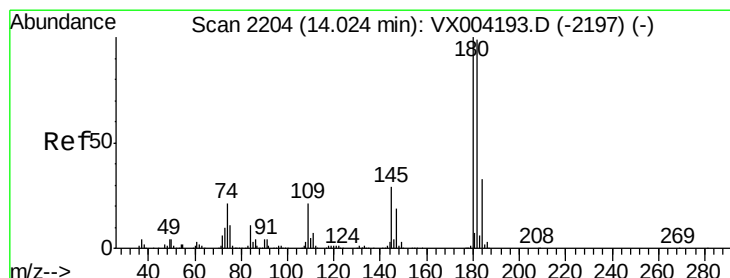
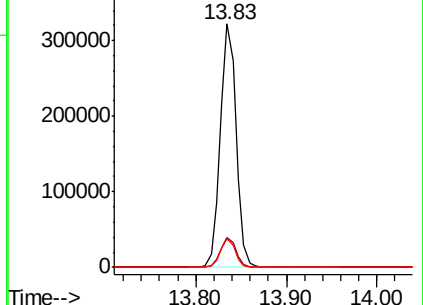
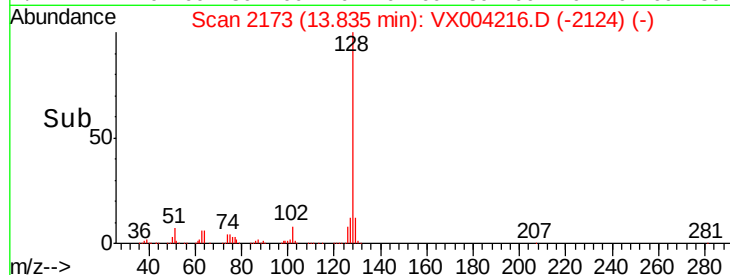
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.87 ug/l

RT: 14.02 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

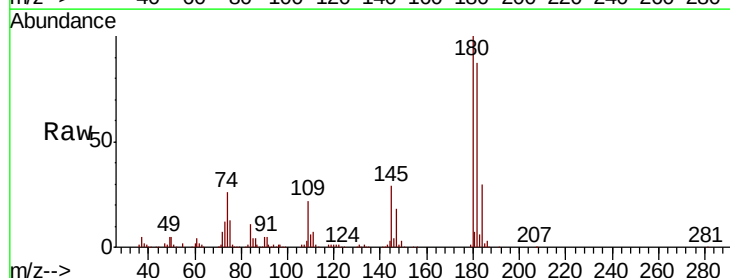
Tgt Ion:180 Resp: 140867

Ion Ratio Lower Upper

180 100

182 94.7 48.5 145.6

145 30.3 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

