

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005209.D
 Acq On : 10 Oct 2018 16:26
 Operator : JC/MD
 Sample : VX1010WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Quant Time: Oct 11 06:04:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	235805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	127715	37.91	ug/l	0.00
Spiked Amount			Recovery	=	75.82%	
35) Dibromofluoromethane	5.51	113	104907	36.89	ug/l	0.00
Spiked Amount			Recovery	=	73.78%	
50) Toluene-d8	8.72	98	385477	40.78	ug/l	0.00
Spiked Amount			Recovery	=	81.56%	
62) 4-Bromofluorobenzene	11.14	95	146060	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	62537	19.451	ug/l	99
3) Chloromethane	1.32	50	68332	17.518	ug/l	99
4) Vinyl Chloride	1.40	62	66911	18.289	ug/l	100
5) Bromomethane	1.64	94	39102	18.024	ug/l	97
6) Chloroethane	1.71	64	39012	18.081	ug/l	98
7) Trichlorofluoromethane	1.92	101	87374	19.291	ug/l	91
8) Diethyl Ether	2.18	74	34146	17.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49127	19.042	ug/l	100
10) Methyl Iodide	2.51	142	49532	14.347	ug/l	91
11) Tert butyl alcohol	3.08	59	85930	91.235	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45155	17.673	ug/l	92
13) Acrolein	2.29	56	46898	69.984	ug/l	91
14) Allyl chloride	2.72	41	102183	18.329	ug/l	94
15) Acrylonitrile	3.15	53	185209	89.327	ug/l	96
16) Acetone	2.45	43	184282	93.707	ug/l	95
17) Carbon Disulfide	2.56	76	131896	17.179	ug/l	100
18) Methyl Acetate	2.78	43	97837	19.636	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	164336	18.647	ug/l	96
20) Methylene Chloride	2.85	84	52310	17.753	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	48958	17.504	ug/l	85
22) Diisopropyl ether	3.87	45	164214	17.493	ug/l	96
23) Vinyl Acetate	3.82	43	726667	84.565	ug/l	98
24) 1,1-Dichloroethane	3.70	63	97548	17.420	ug/l	99
25) 2-Butanone	4.71	43	248948	85.880	ug/l	95
26) 2,2-Dichloropropane	4.58	77	70146	17.989	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	50605	16.196	ug/l	92
28) Bromochloromethane	5.01	49	42048	15.945	ug/l	97
29) Tetrahydrofuran	5.16	42	158203	87.807	ug/l	97
30) Chloroform	5.21	83	88024	16.632	ug/l	99
31) Cyclohexane	5.57	56	79286	18.499	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	75756	17.527	ug/l	95
36) 1,1-Dichloropropene	5.80	75	64926	16.735	ug/l	94
37) Ethyl Acetate	4.86	43	85000	16.505	ug/l	98
38) Carbon Tetrachloride	5.78	117	68726	16.852	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76119	19.215	ug/l	86
40) Benzene	6.14	78	194990	16.054	ug/l	96
41) Methacrylonitrile	5.06	41	47152	16.510	ug/l	97
42) 1,2-Dichloroethane	6.20	62	71511	16.655	ug/l	98
43) Isopropyl Acetate	6.46	43	121853	16.394	ug/l	97
44) Trichloroethene	7.21	130	52922	17.724	ug/l	97
45) 1,2-Dichloropropane	7.52	63	52298	17.558	ug/l	99
46) Dibromomethane	7.66	93	33490	17.891	ug/l	99
47) Bromodichloromethane	7.90	83	64036	18.271	ug/l	98
48) Methyl methacrylate	7.78	41	64383	19.084	ug/l	99
49) 1,4-Dioxane	7.76	88	30901	368.676	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	448315	95.791	ug/l	99
52) Toluene	8.79	92	123661	18.529	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	69159	17.462	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	77376	18.653	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	51074	17.471	ug/l	96
56) Ethyl methacrylate	9.18	69	74628	17.693	ug/l	99
57) 1,3-Dichloropropane	9.37	76	83746	17.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	184707	83.392	ug/l	99
59) 2-Hexanone	9.50	43	357654	91.705	ug/l	94
60) Dibromochloromethane	9.59	129	51004	17.445	ug/l	100
61) 1,2-Dibromoethane	9.67	107	52494	16.767	ug/l	95
64) Tetrachloroethene	9.34	164	53701	17.352	ug/l	96
65) Chlorobenzene	10.14	112	138225	17.142	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	49308	17.394	ug/l	98
67) Ethyl Benzene	10.26	91	229011	17.889	ug/l	96
68) m/p-Xylenes	10.36	106	181862	36.354	ug/l	95
69) o-Xylene	10.70	106	85694	18.650	ug/l	100
70) Styrene	10.71	104	143491	18.123	ug/l	100
71) Bromoform	10.86	173	41067	16.922	ug/l #	96
73) Isopropylbenzene	11.02	105	235857	21.082	ug/l	100
74) N-amyl acetate	10.90	43	107282	18.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	83570	18.350	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	96432	24.240	ug/l	84
77) Bromobenzene	11.26	156	63721	19.609	ug/l	99
78) n-propylbenzene	11.36	91	271325	21.137	ug/l	99
79) 2-Chlorotoluene	11.42	91	163253	20.403	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	202147	19.594	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22299	16.667	ug/l	95
82) 4-Chlorotoluene	11.51	91	193296	20.524	ug/l	99
83) tert-Butylbenzene	11.77	119	197290	21.419	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	206989	19.453	ug/l	99
85) sec-Butylbenzene	11.94	105	241916	21.562	ug/l	100
86) p-Isopropyltoluene	12.07	119	217739	21.421	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	118190	19.478	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121928	19.466	ug/l	99
89) n-Butylbenzene	12.39	91	190461	20.631	ug/l	100
90) Hexachloroethane	12.60	117	32908	19.444	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	118022	18.612	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18771	18.772	ug/l	99

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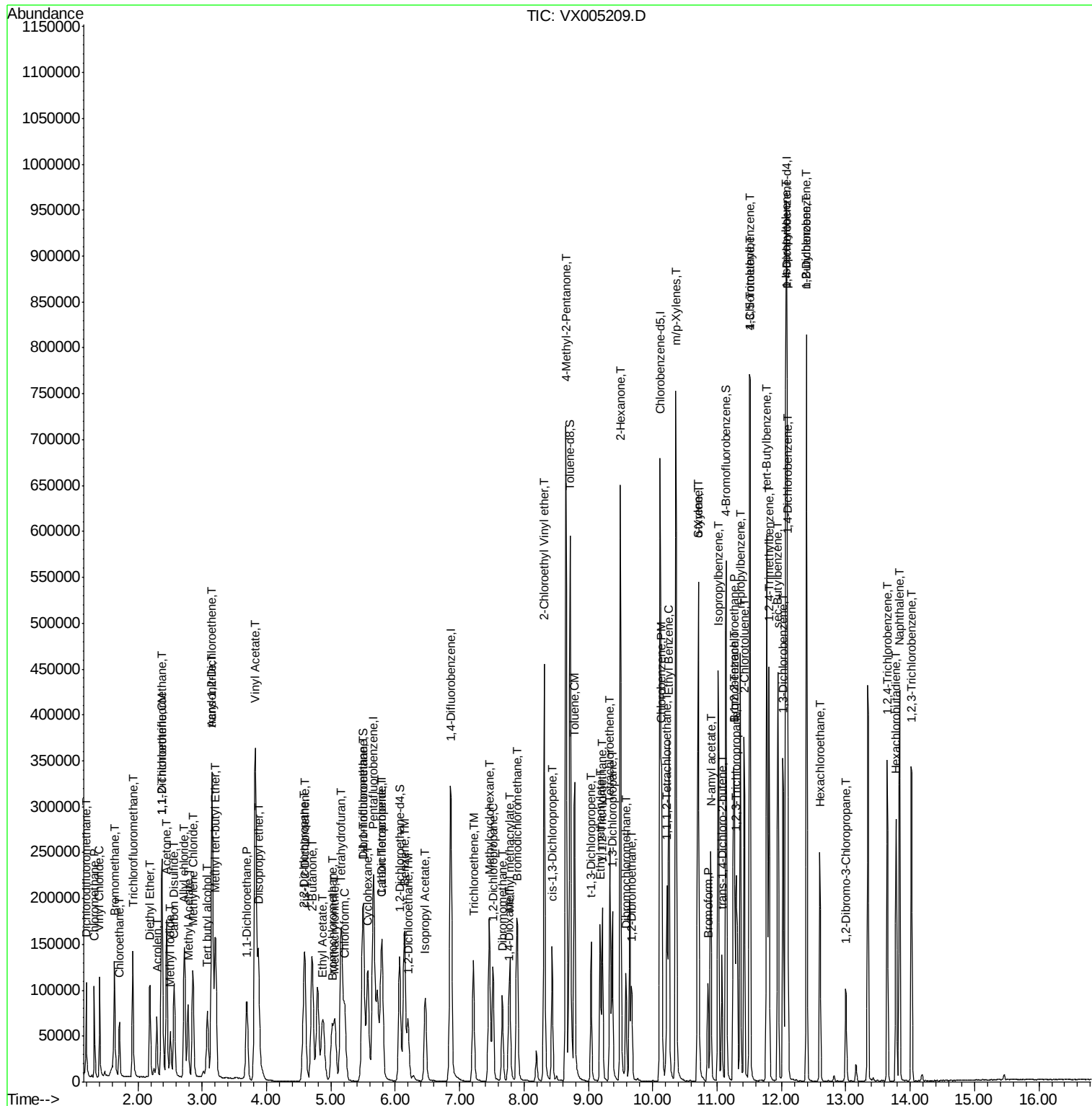
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Quant Time: Oct 11 06:04:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88253	19.840	ug/l	99
94) Hexachlorobutadiene	13.79	225	46131	19.999	ug/l	98
95) Naphthalene	13.83	128	263281	18.296	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91310	19.871	ug/l	100

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

Quant Time: Oct 11 06:04:20 2018
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

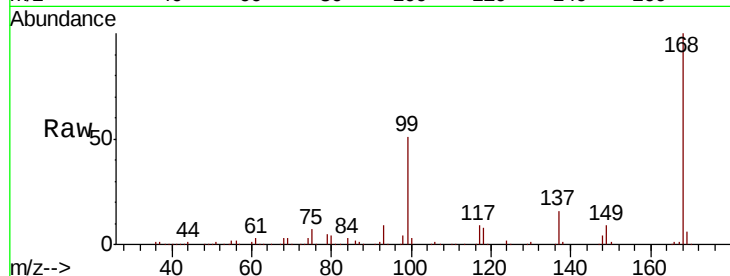
VX1010WBS01

Tot Ion:168 Resp: 235805

Ion Ratio Lower Upper

168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

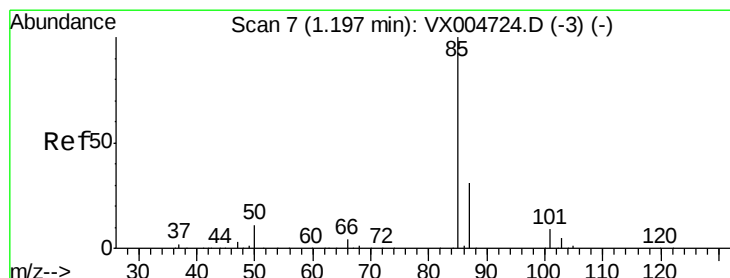
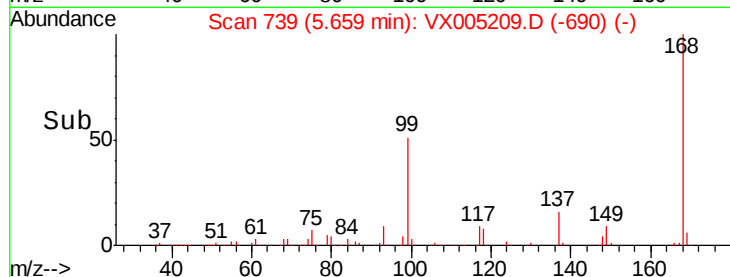
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.451 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005209.D

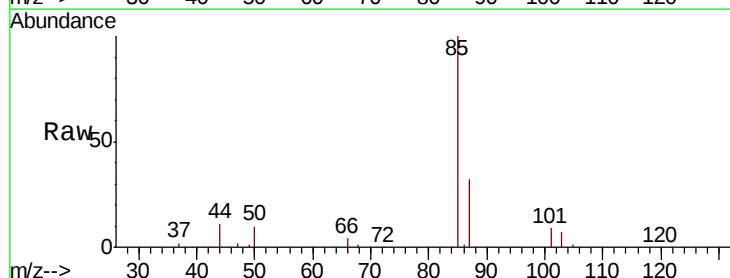
Acq: 10 Oct 2018 16:26

Tgt Ion: 85 Resp: 62537

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

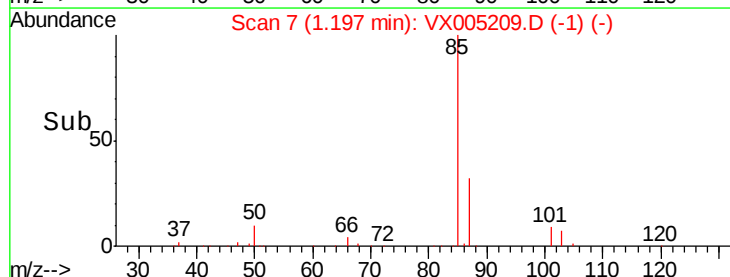
60000

40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.518 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

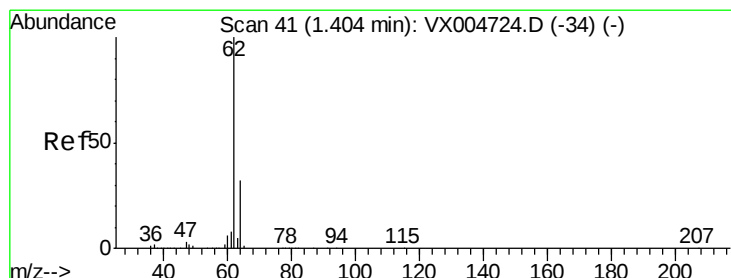
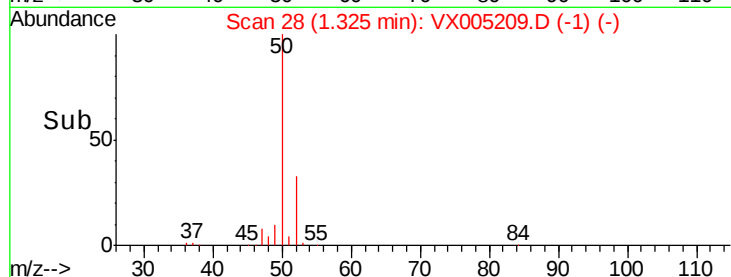
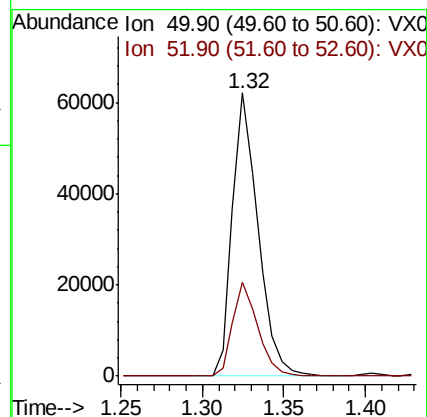
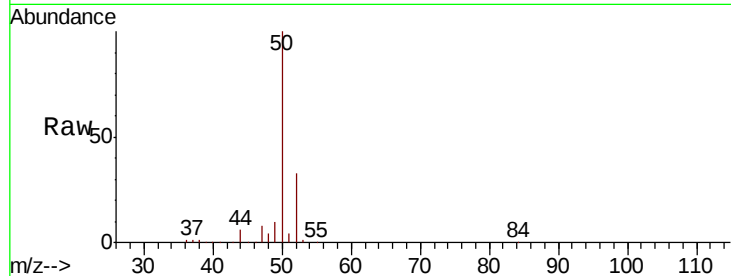
VX1010WBS01

Tot Ion: 50 Resp: 68332

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.6



#4

Vinyl Chloride

Concen: 18.289 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005209.D

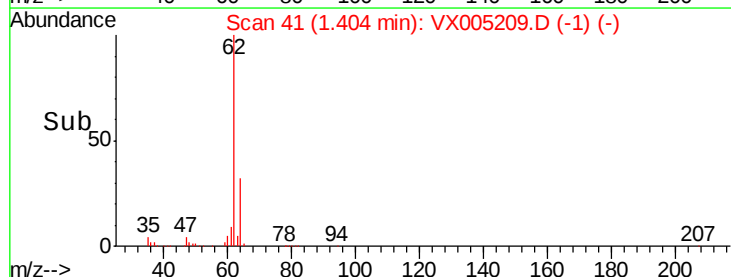
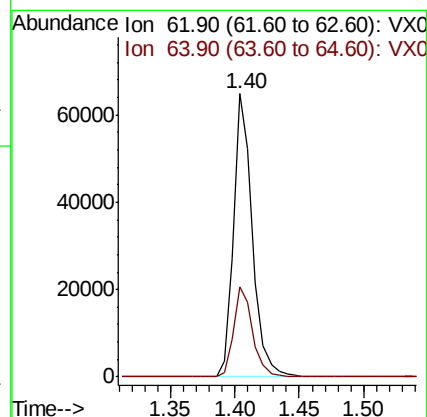
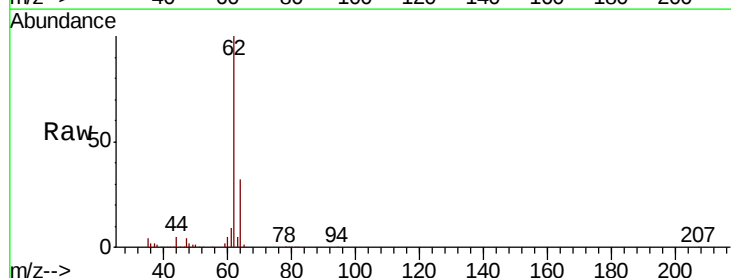
Acq: 10 Oct 2018 16:26

Tgt Ion: 62 Resp: 66911

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 18.024 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

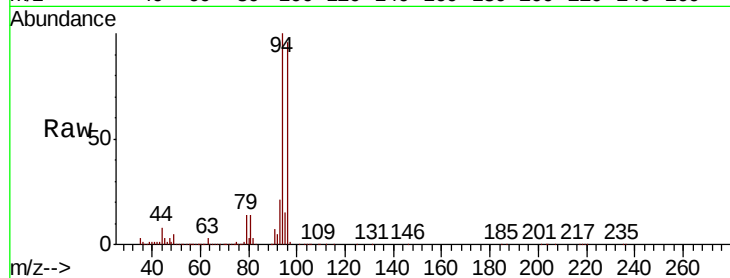
VX1010WBS01

Tot Ion: 94 Resp: 39102

Ion Ratio Lower Upper

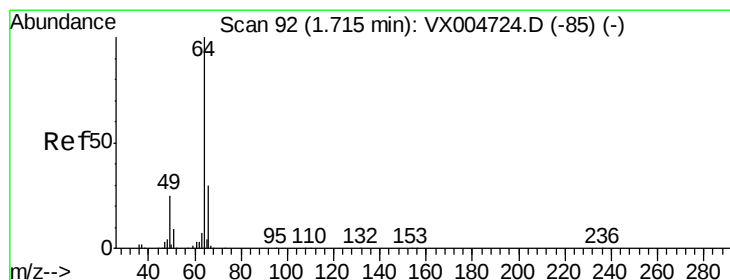
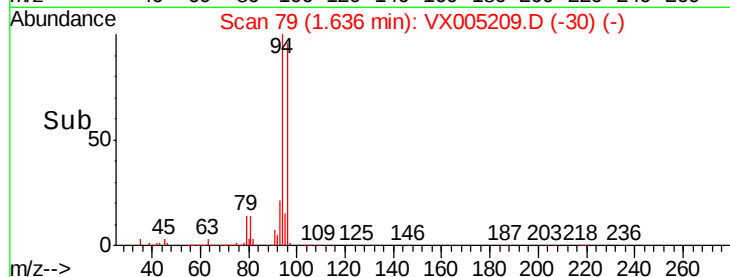
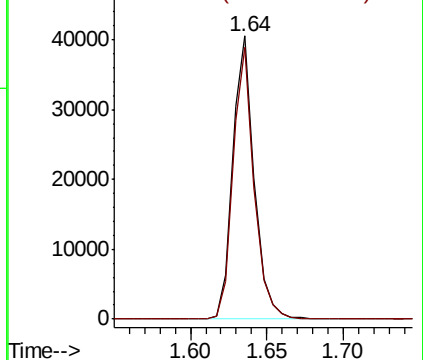
94 100

96 96.1 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.081 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005209.D

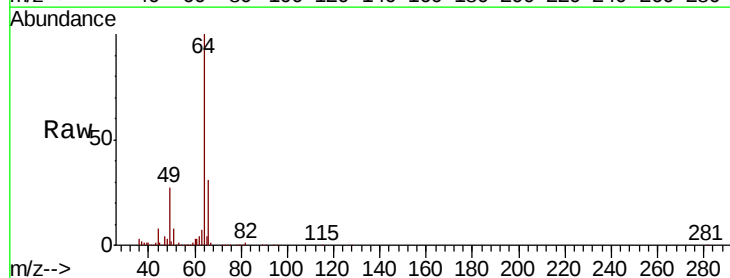
Acq: 10 Oct 2018 16:26

Tgt Ion: 64 Resp: 39012

Ion Ratio Lower Upper

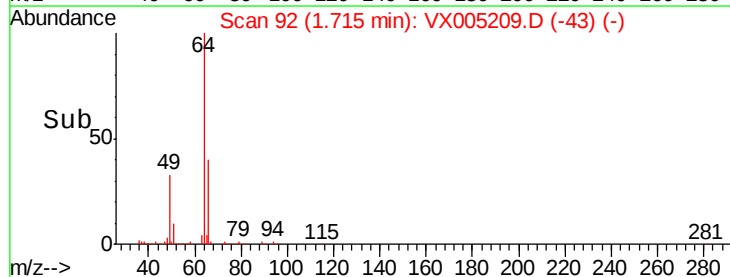
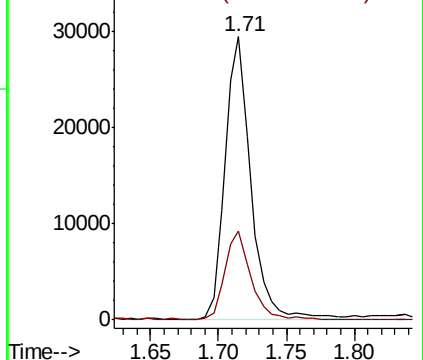
64 100

66 31.0 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



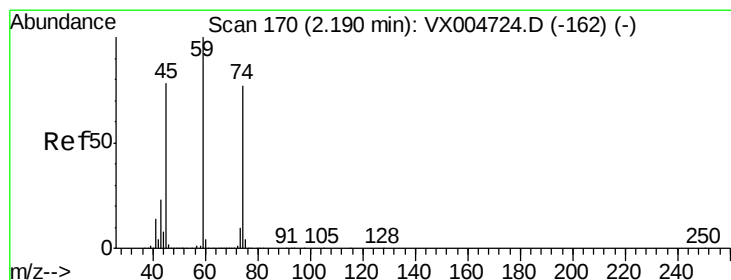
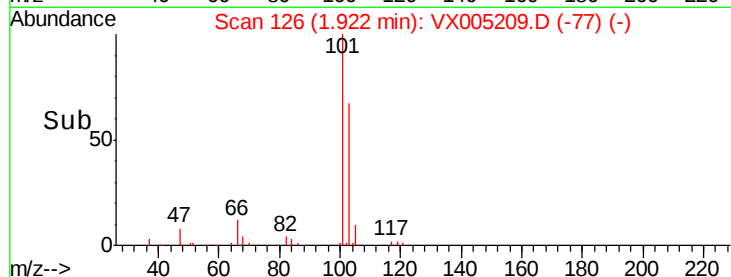
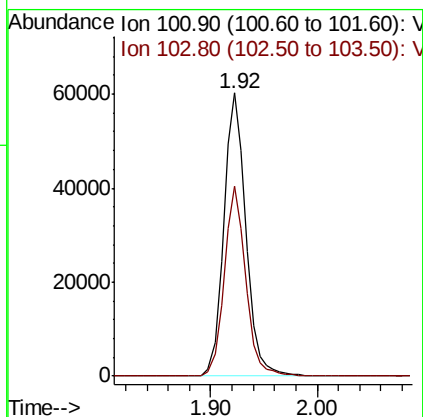
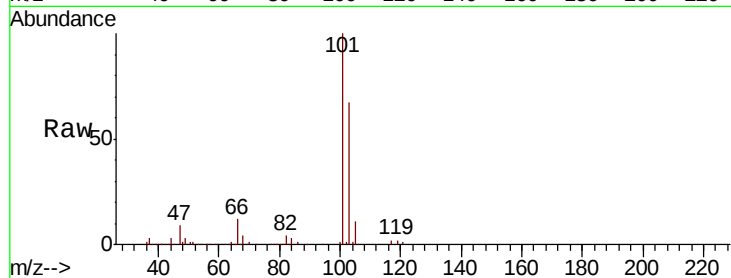


#7

Trichlorofluoromethane
 Concen: 19.291 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

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 VX1010WBS01

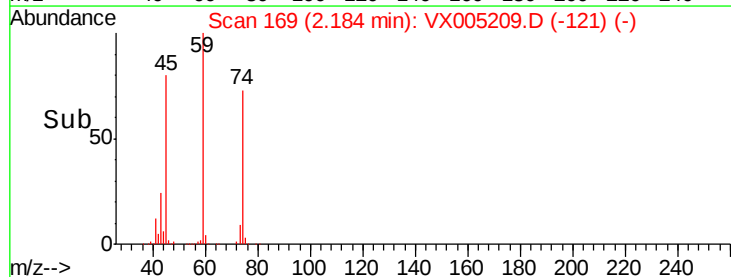
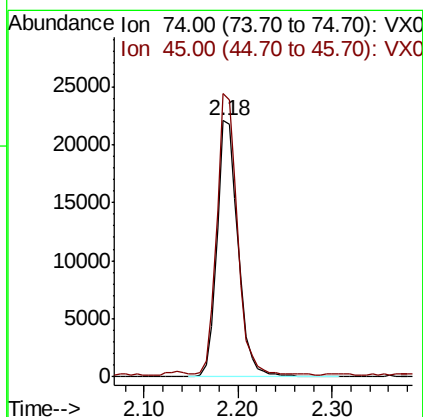
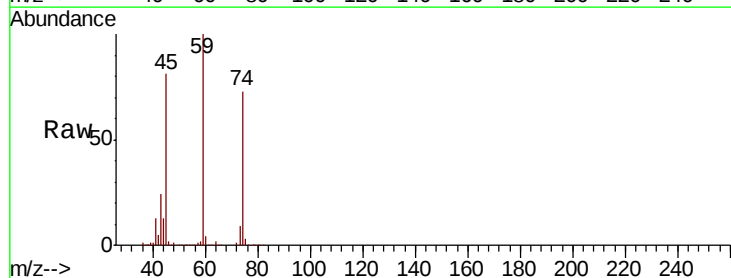
Tot Ion:101 Resp: 87374
 Ion Ratio Lower Upper
 101 100
 103 67.3 48.4 72.6



#8

Diethyl Ether
 Concen: 17.354 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 74 Resp: 34146
 Ion Ratio Lower Upper
 74 100
 45 107.0 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.042 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

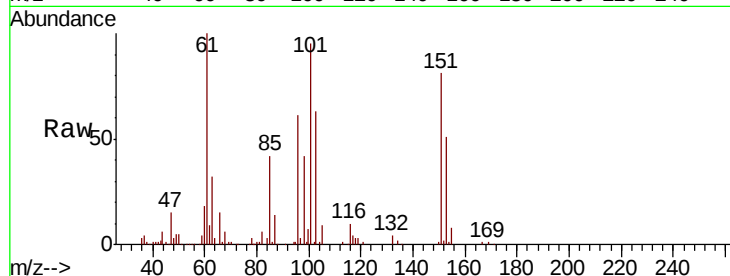
Tot Ion:101 Resp: 49127

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

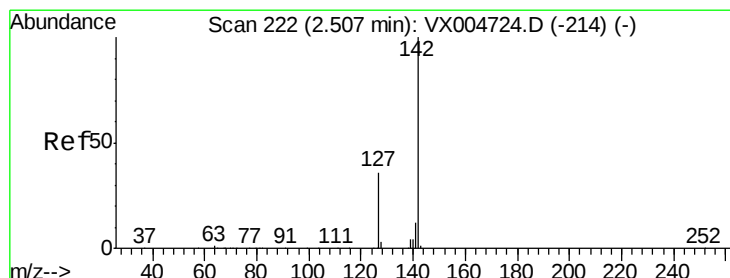
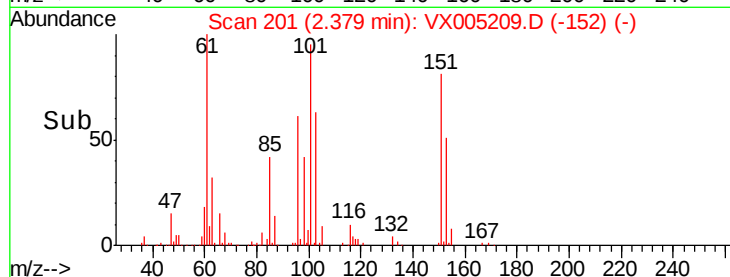
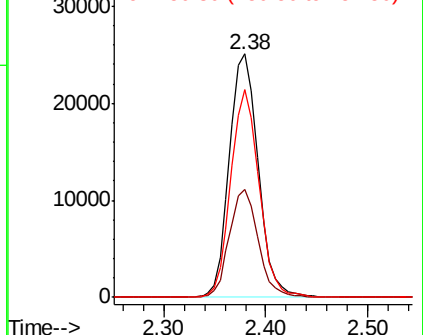
151 83.5 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.347 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

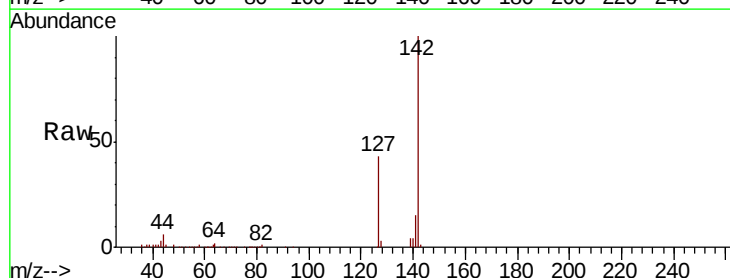
Tgt Ion:142 Resp: 49532

Ion Ratio Lower Upper

142 100

127 43.4 30.1 45.1

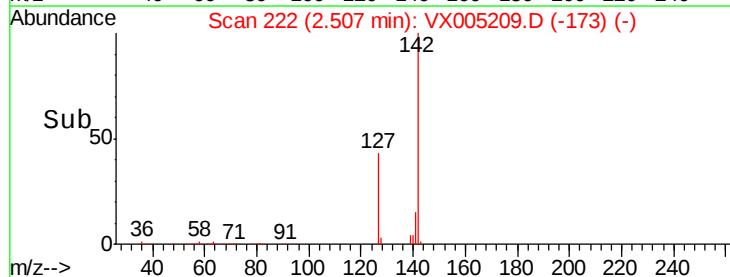
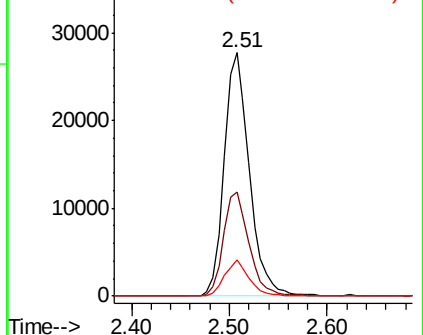
141 14.6 10.1 15.1

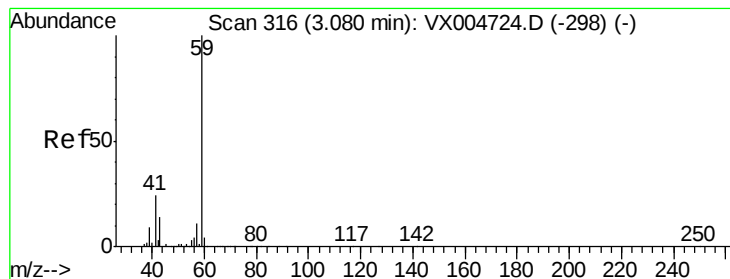


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



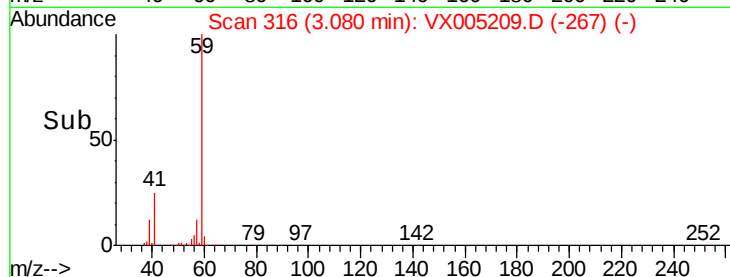
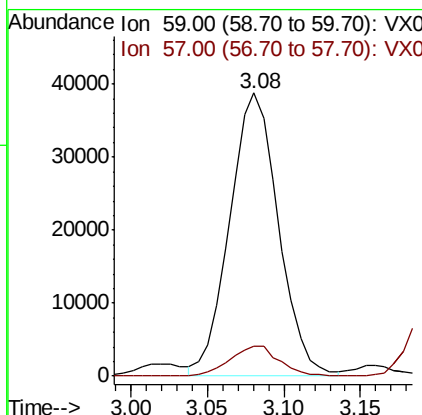
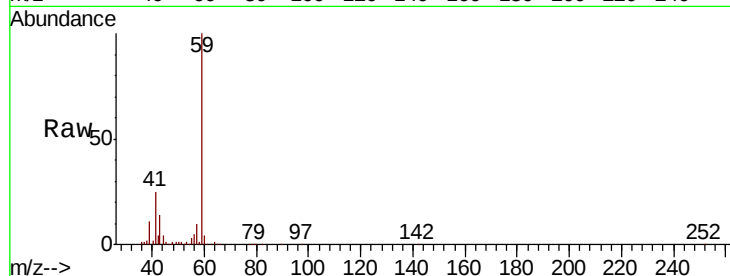


#11

Tert butyl alcohol
 Concen: 91.235 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

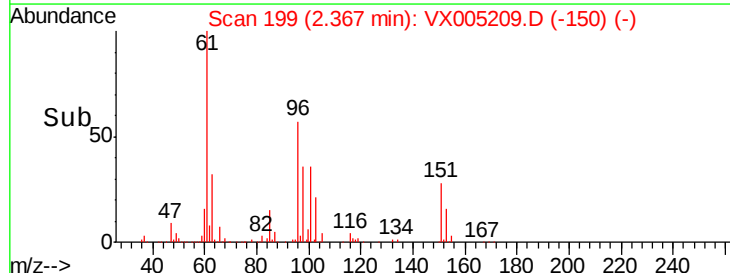
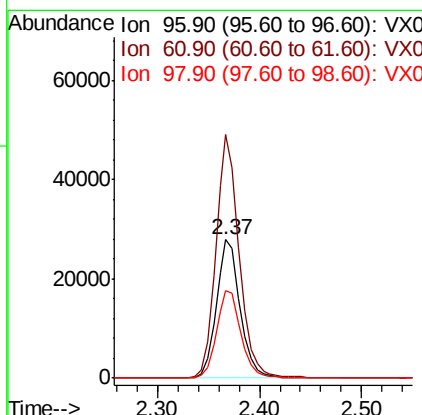
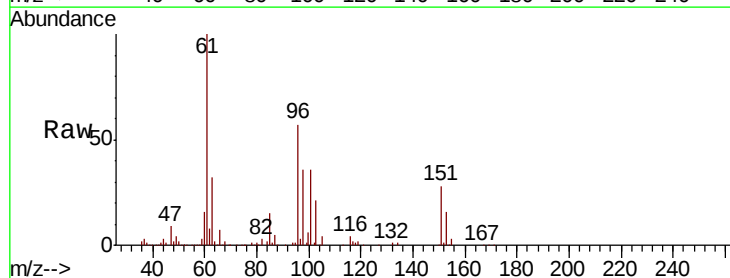
Tot Ion: 59 Resp: 85930
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 12.8

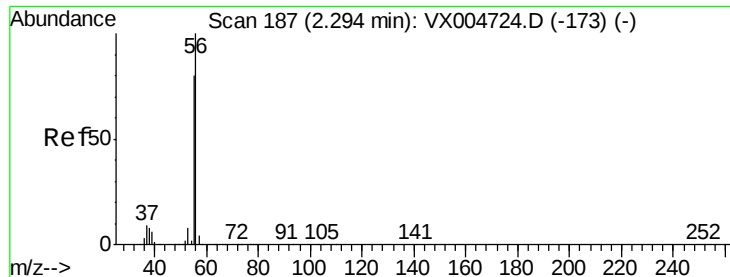


#12

1,1-Dichloroethene
 Concen: 17.673 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 96 Resp: 45155
 Ion Ratio Lower Upper
 96 100
 61 175.2 130.2 195.4
 98 63.1 53.4 80.0





#13

Acrolein

Concen: 69.984 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

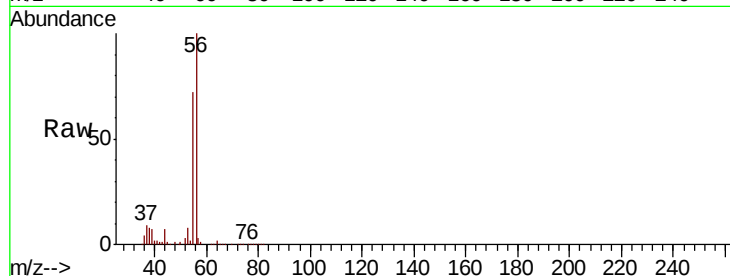
VX1010WBS01

Tot Ion: 56 Resp: 46898

Ion Ratio Lower Upper

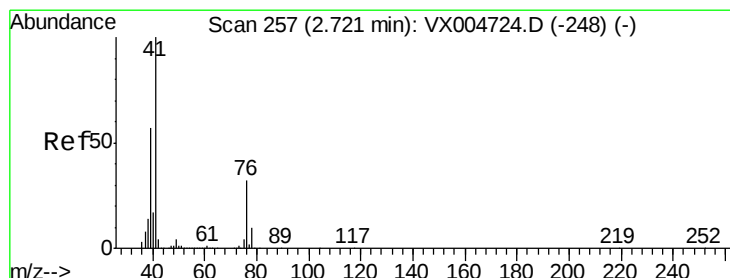
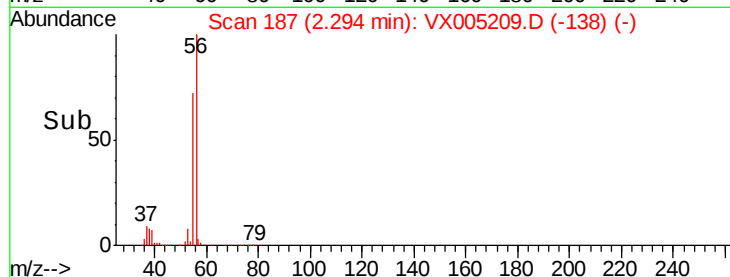
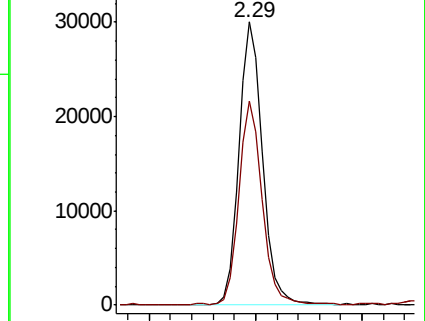
56 100

55 71.7 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.329 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

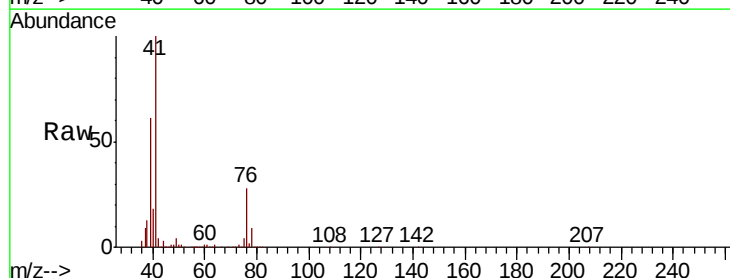
Tgt Ion: 41 Resp: 102183

Ion Ratio Lower Upper

41 100

39 59.1 44.1 66.1

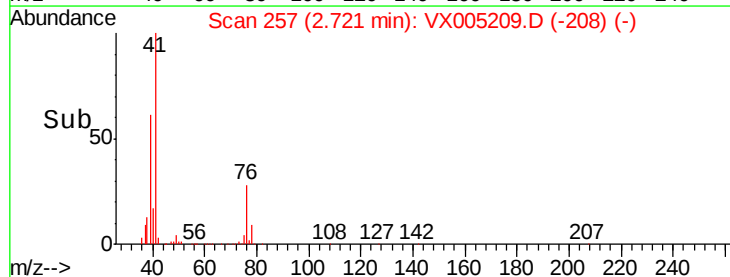
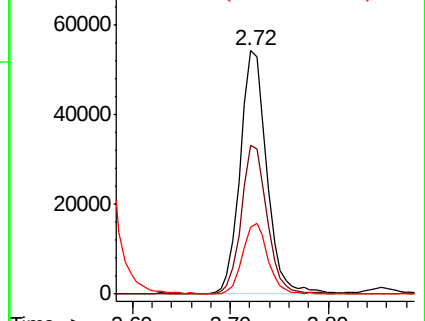
76 27.8 25.0 37.4



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: 89.327 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampled :

VX1010WBS01

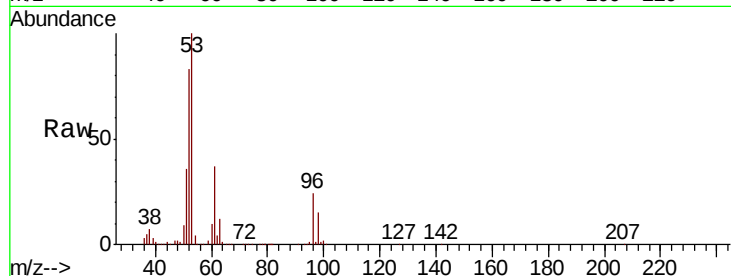
Tot Ion: 53 Resp: 185209

Ion Ratio Lower Upper

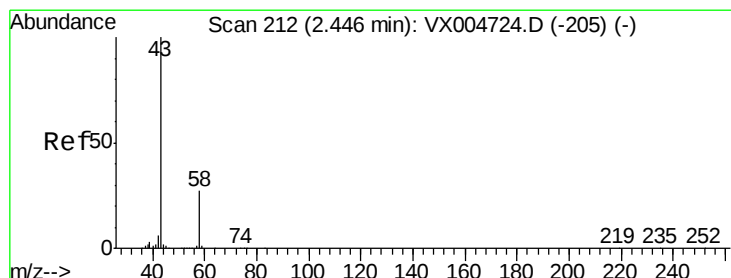
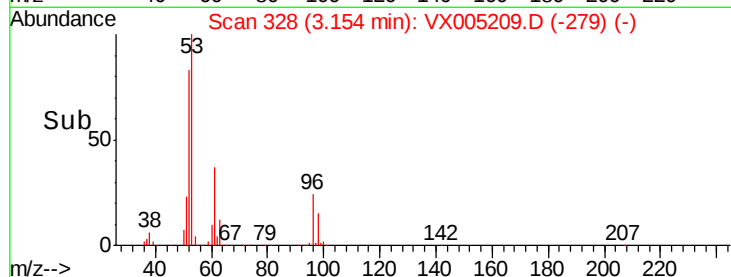
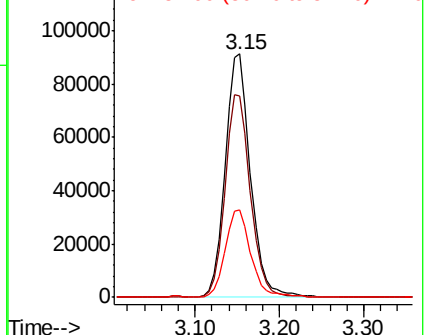
53 100

52 83.7 63.0 94.4

51 36.7 28.6 42.8



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: 93.707 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005209.D

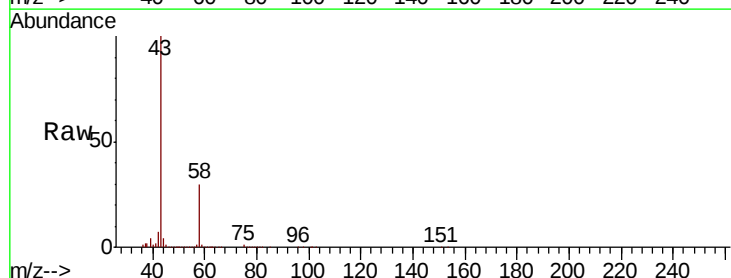
Acq: 10 Oct 2018 16:26

Tgt Ion: 43 Resp: 184282

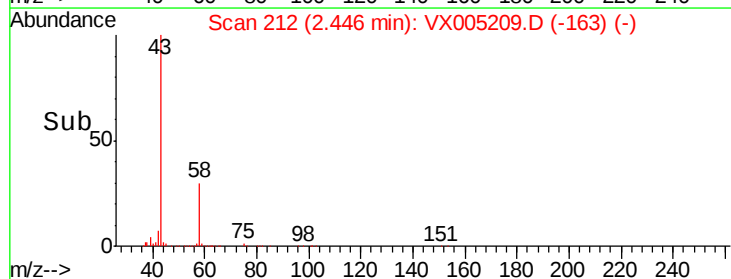
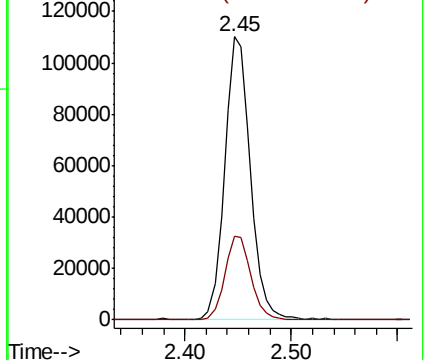
Ion Ratio Lower Upper

43 100

58 29.6 21.8 32.6



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





#17

Carbon Disulfide

Concen: 17.179 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

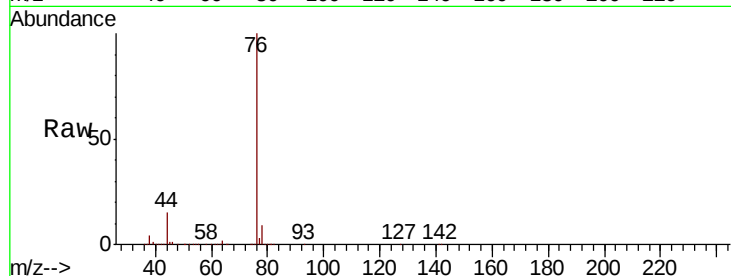
VX1010WBS01

Tot Ion: 76 Resp: 131896

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX004724.D (-223) (-)

Ion 77.90 (77.60 to 78.60): VX004724.D (-223) (-)

2.56

80000

60000

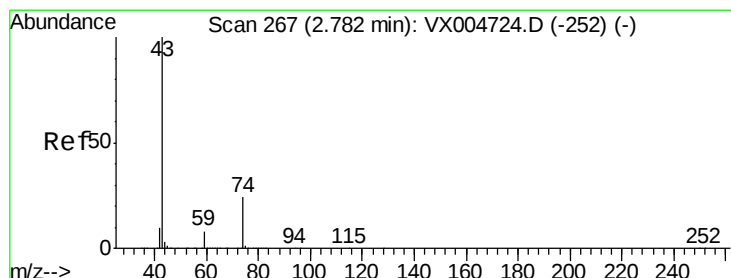
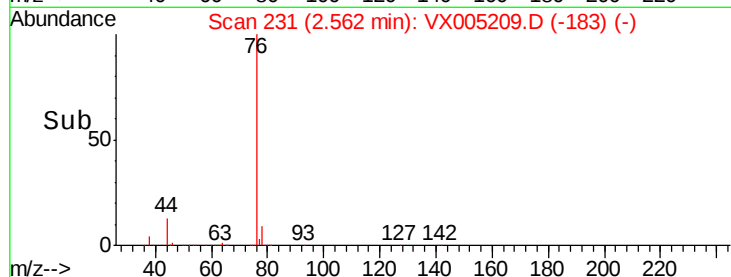
40000

20000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 19.636 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005209.D

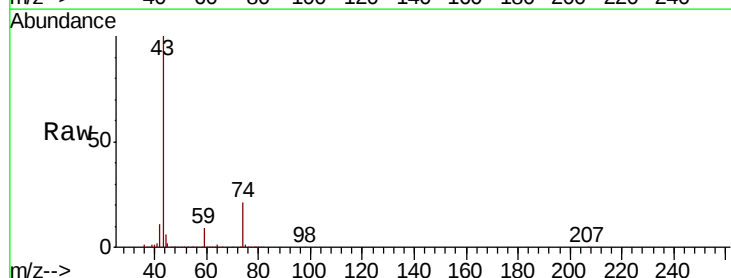
Acq: 10 Oct 2018 16:26

Tgt Ion: 43 Resp: 97837

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-252) (-)

Ion 74.00 (73.70 to 74.70): VX004724.D (-252) (-)

2.78

60000

50000

40000

30000

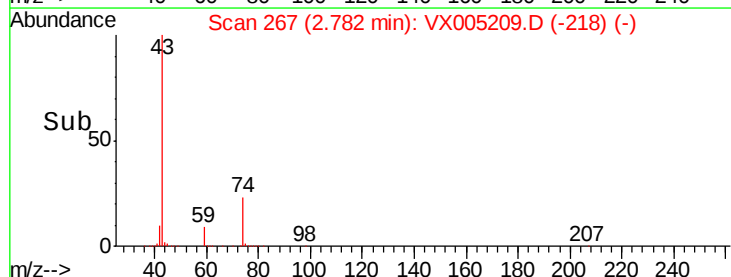
20000

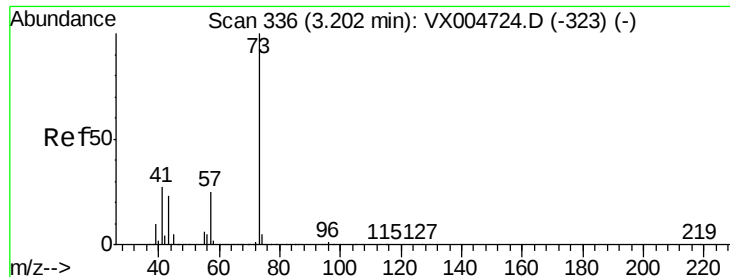
10000

0

2.70 2.80 2.90

Time-->



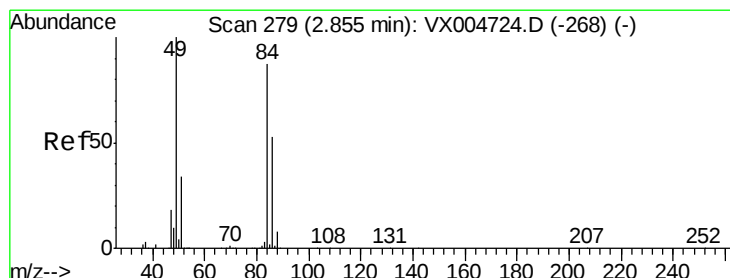
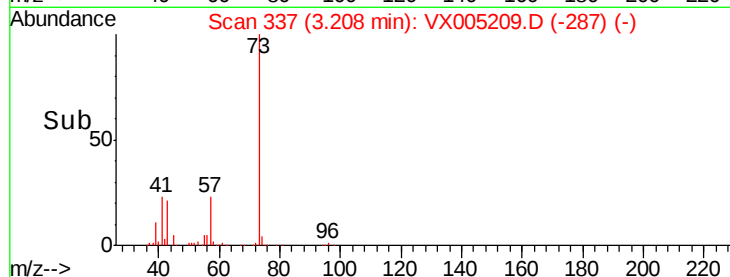
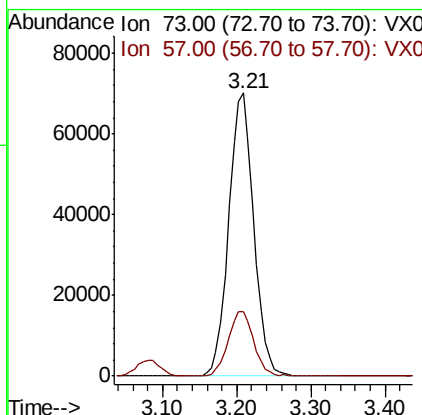
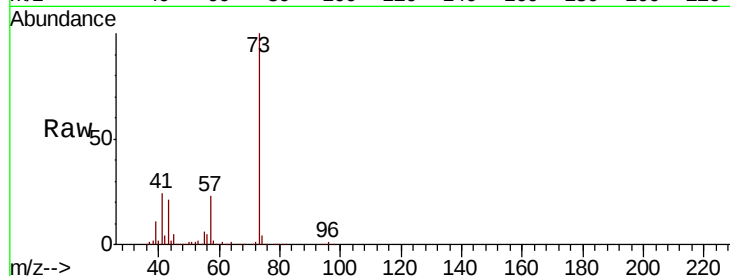


#19

Methyl tert-butyl Ether
 Concen: 18.647 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

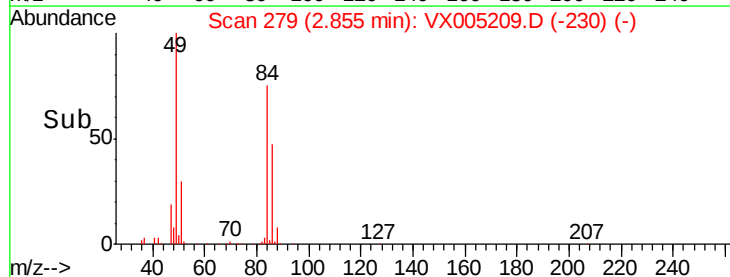
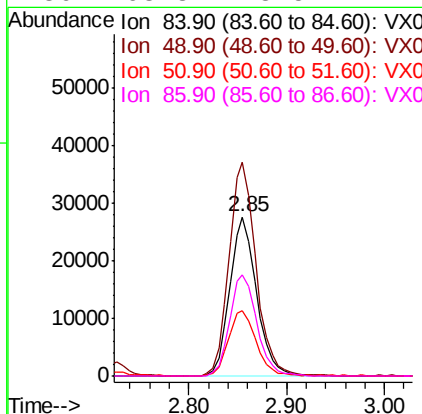
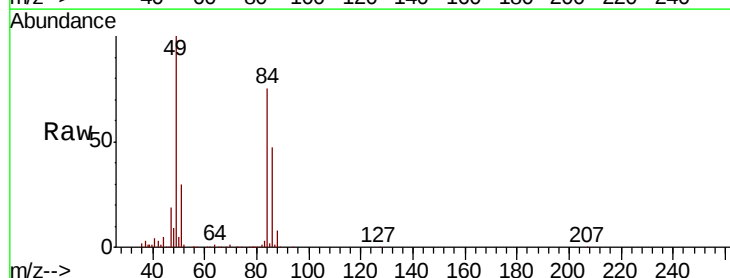
Tot Ion: 73 Resp: 164336
 Ion Ratio Lower Upper
 73 100
 57 22.9 19.9 29.9

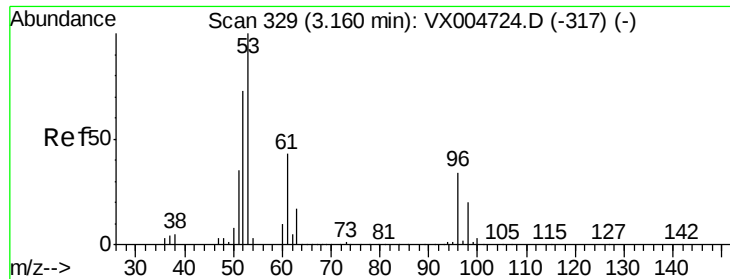


#20

Methylene Chloride
 Concen: 17.753 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 84 Resp: 52310
 Ion Ratio Lower Upper
 84 100
 49 133.9 92.3 138.5
 51 40.6 31.8 47.6
 86 63.3 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 17.504 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

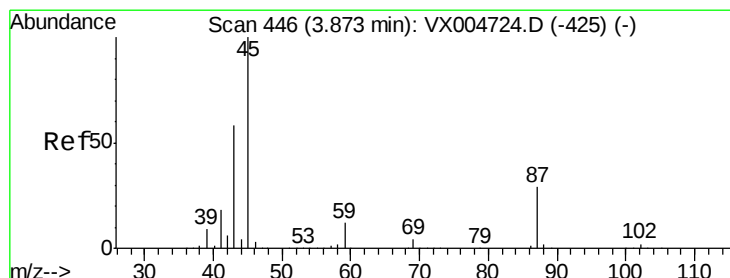
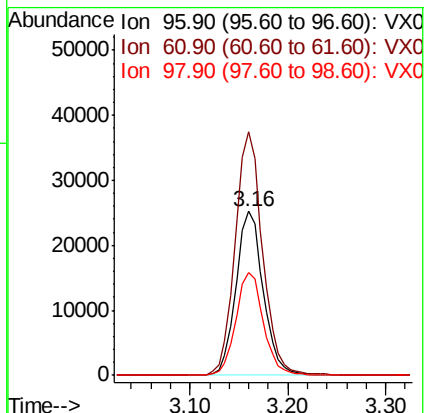
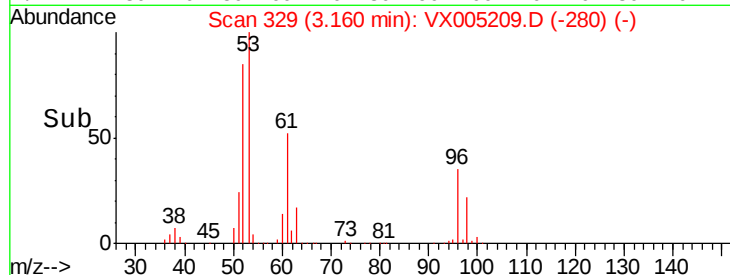
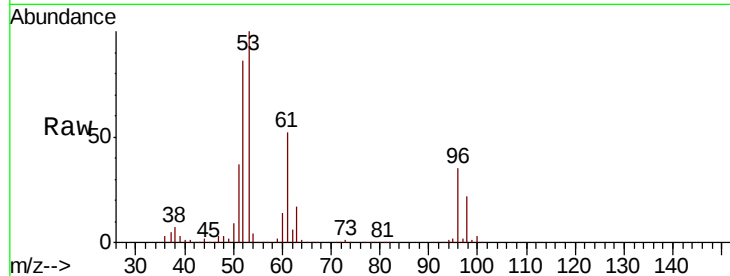
Tot Ion: 96 Resp: 48958

Ion Ratio Lower Upper

96 100

61 148.5 101.0 151.6

98 62.8 47.2 70.8



#22

Diisopropyl ether

Concen: 17.493 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion: 45 Resp: 164214

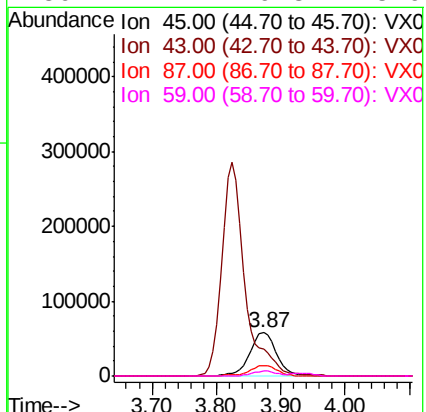
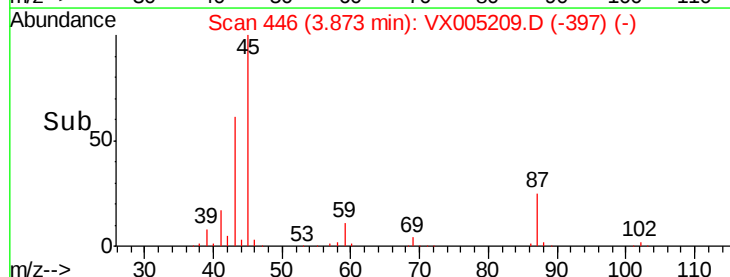
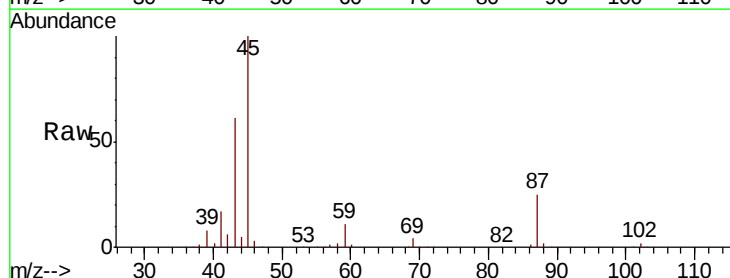
Ion Ratio Lower Upper

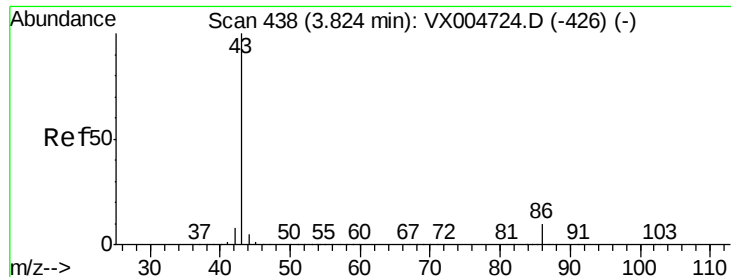
45 100

43 61.1 46.7 70.1

87 25.3 22.9 34.3

59 11.1 9.3 13.9





#23

Vinyl Acetate

Concen: 84.565 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

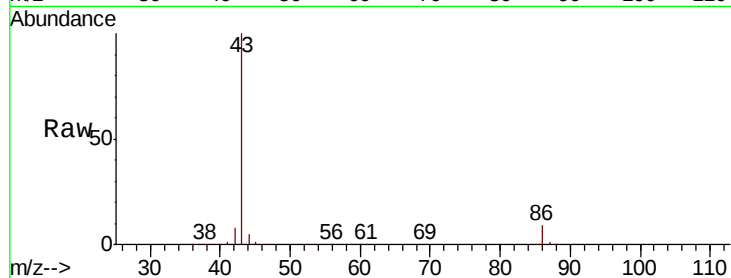
VX1010WBS01

Tot Ion: 43 Resp: 726667

Ion Ratio Lower Upper

43 100

86 9.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

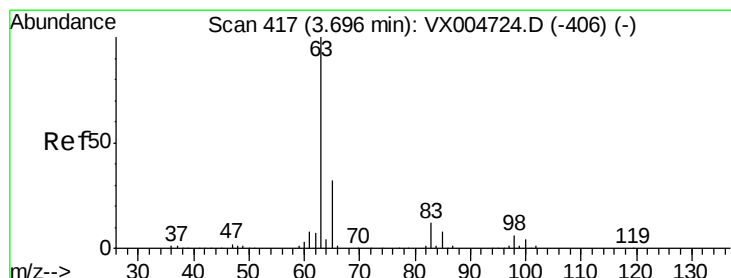
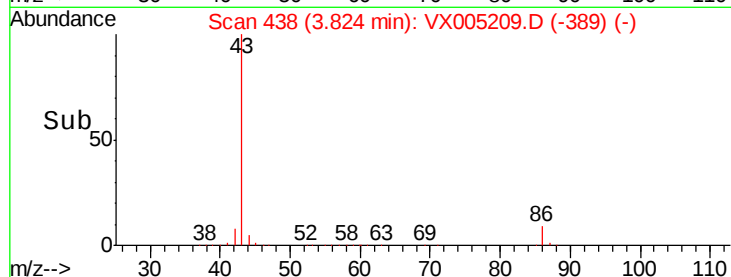
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.420 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

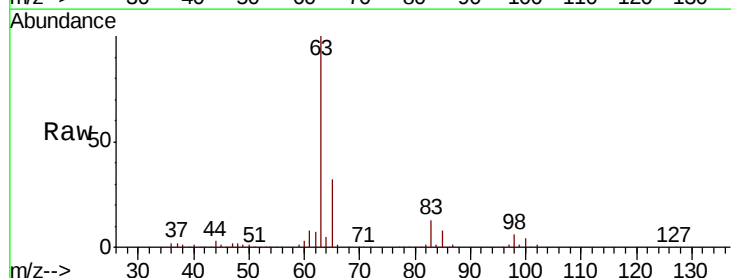
Tgt Ion: 63 Resp: 97548

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

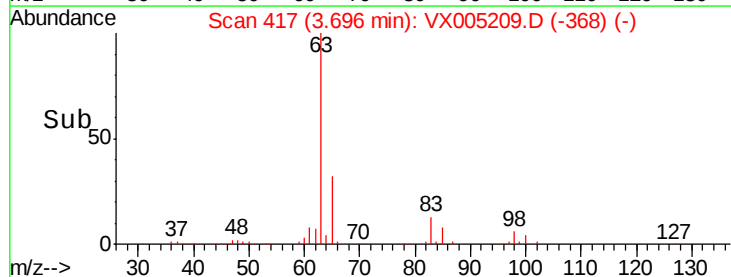
30000

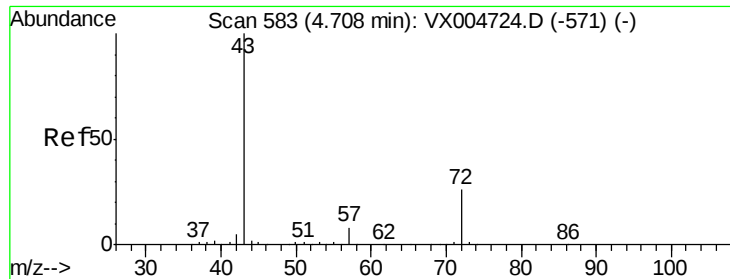
20000

10000

0

Time-->





#25

2-Butanone

Concen: 85.880 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

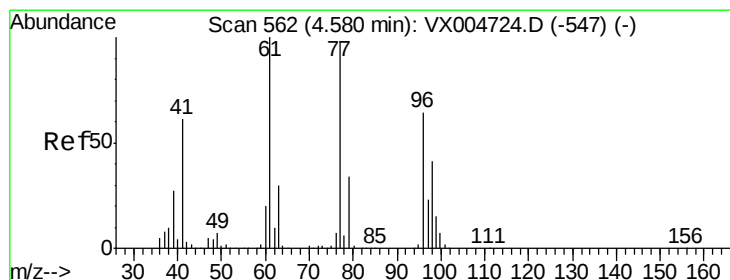
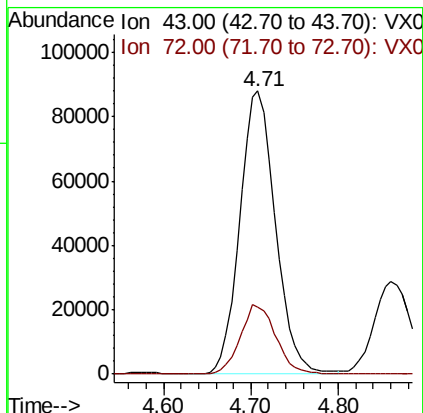
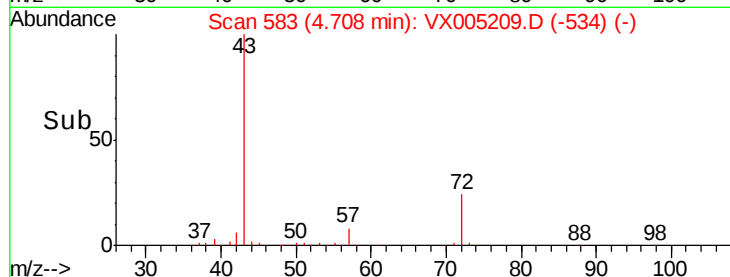
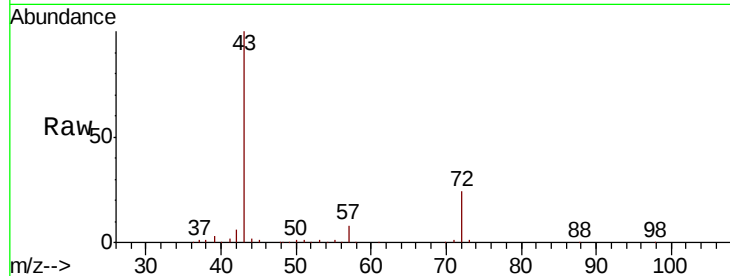
VX1010WBS01

Tot Ion: 43 Resp: 248948

Ion Ratio Lower Upper

43 100

72 23.7 20.8 31.2



#26

2,2-Dichloropropane

Concen: 17.989 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005209.D

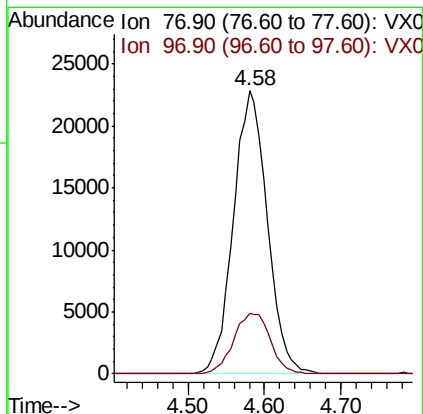
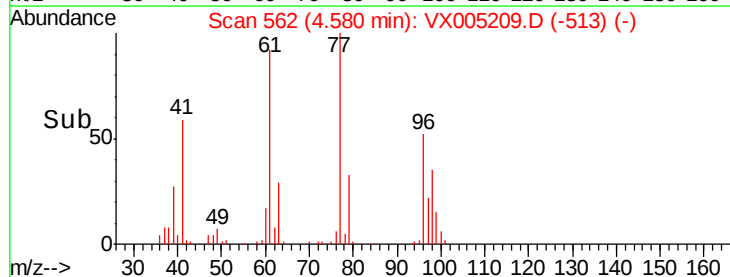
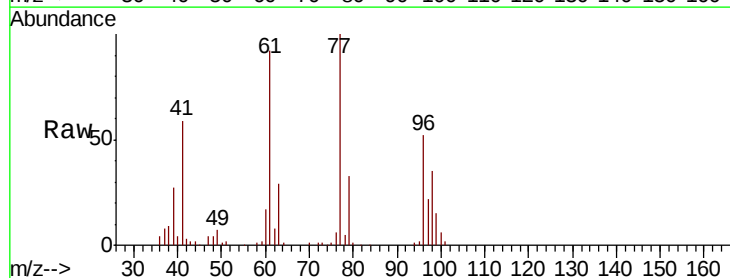
Acq: 10 Oct 2018 16:26

Tgt Ion: 77 Resp: 70146

Ion Ratio Lower Upper

77 100

97 23.3 12.6 37.8



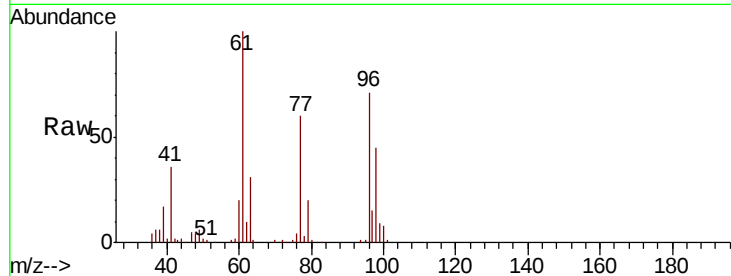


#27

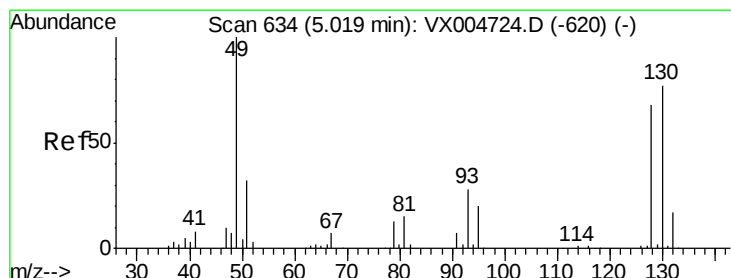
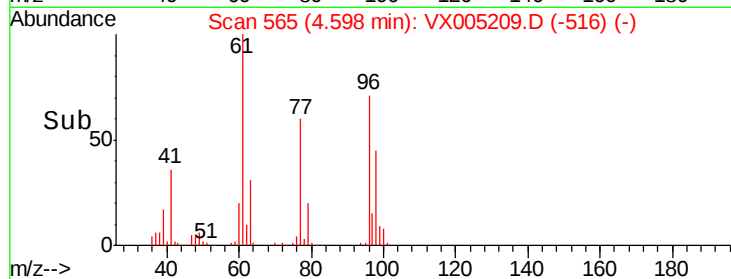
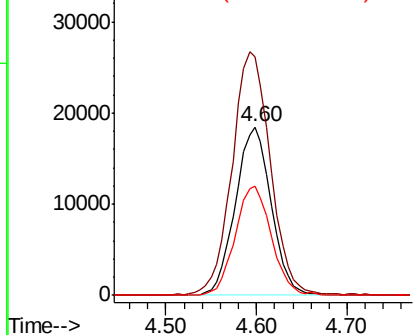
cis-1,2-Dichloroethene
 Concen: 16.196 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	285.8
98	65.5	0.0	136.2



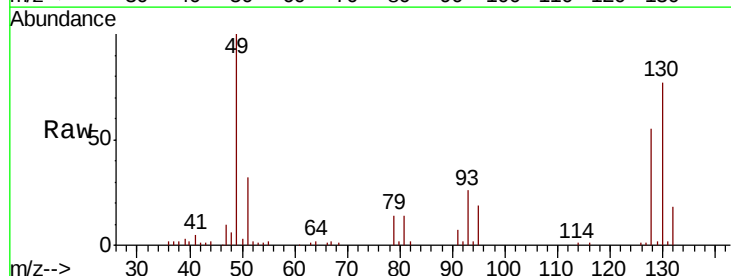
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



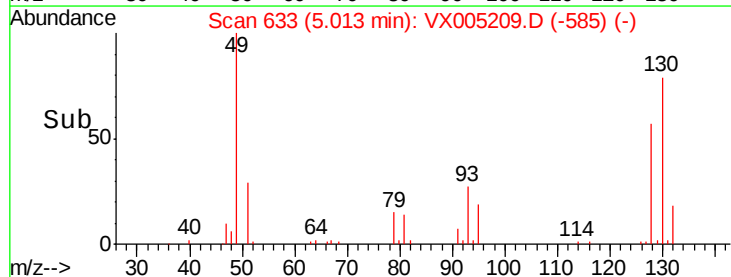
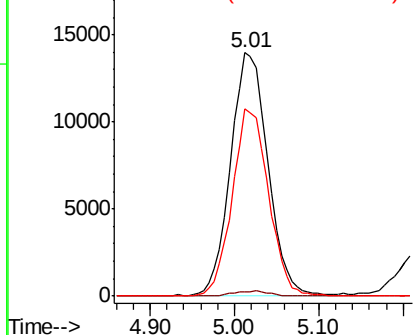
#28

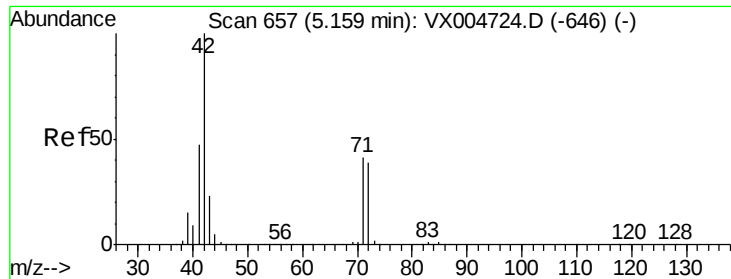
Bromochloromethane
 Concen: 15.945 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	74.5	62.0	93.0



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

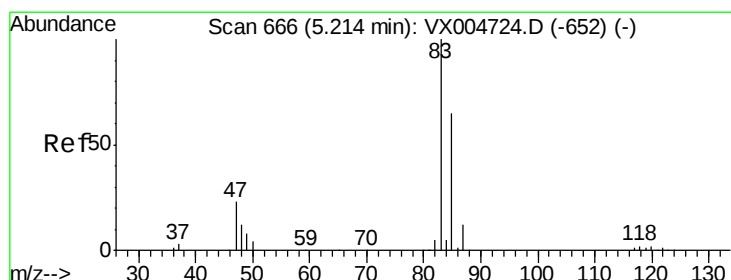
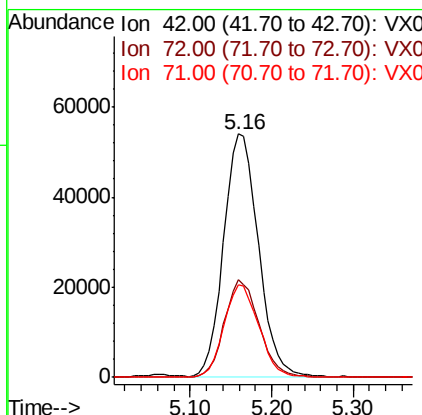
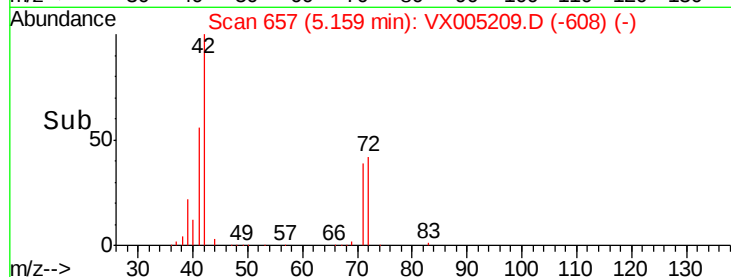
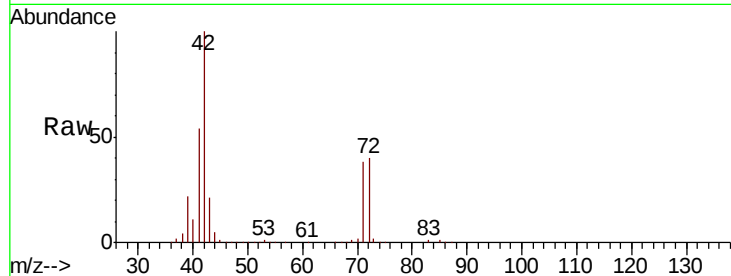




#29
Tetrahydrofuran
Concen: 87.807 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

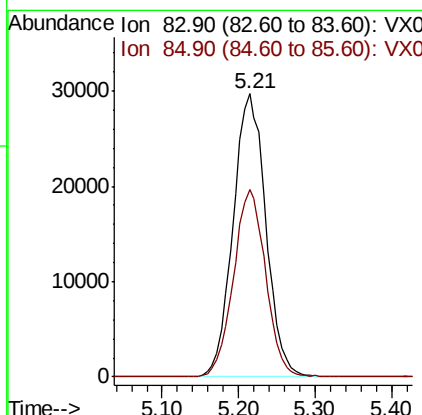
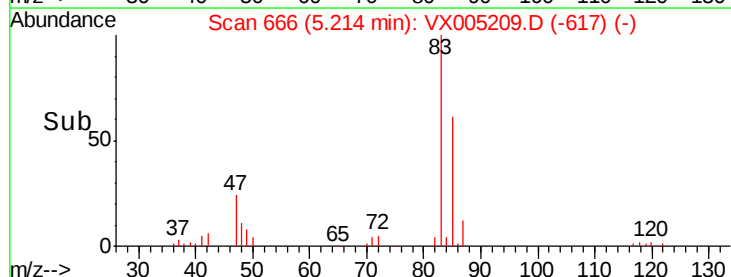
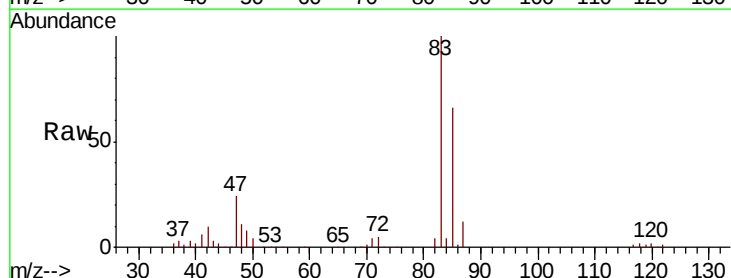
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

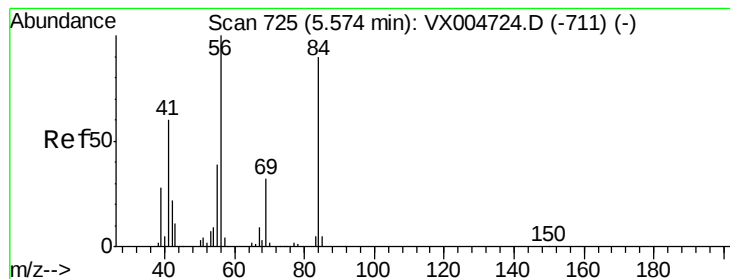
Tot Ion: 42 Resp: 158203
Ion Ratio Lower Upper
42 100
72 40.4 33.7 50.5
71 38.2 32.2 48.4



#30
Chloroform
Concen: 16.632 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 83 Resp: 88024
Ion Ratio Lower Upper
83 100
85 66.4 52.4 78.6





#31

Cyclohexane

Concen: 18.499 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

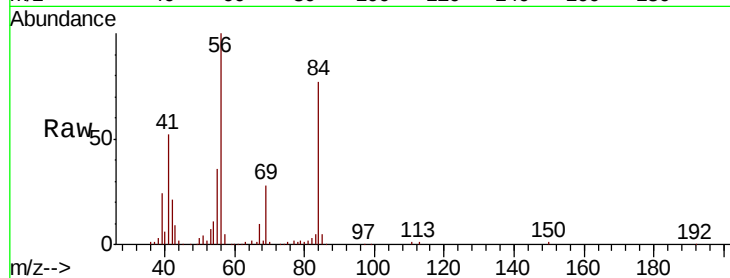
Tot Ion: 56 Resp: 79286

Ion Ratio Lower Upper

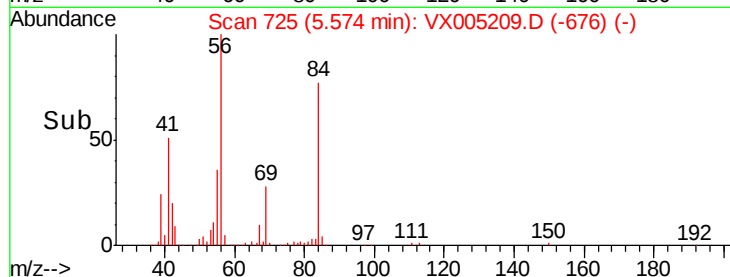
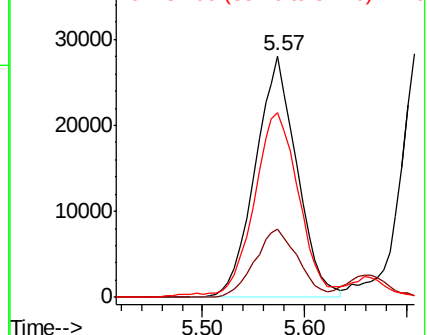
56 100

69 28.2 25.9 38.9

84 75.4 71.9 107.9



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: 17.527 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

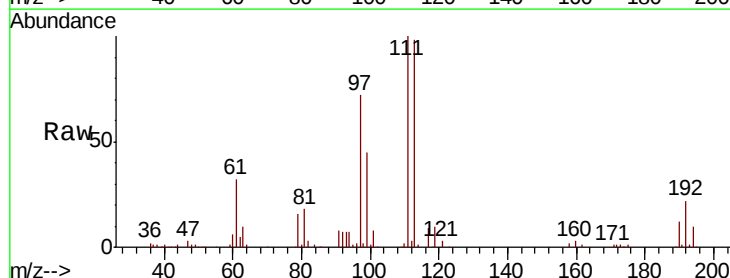
Tgt Ion: 97 Resp: 75756

Ion Ratio Lower Upper

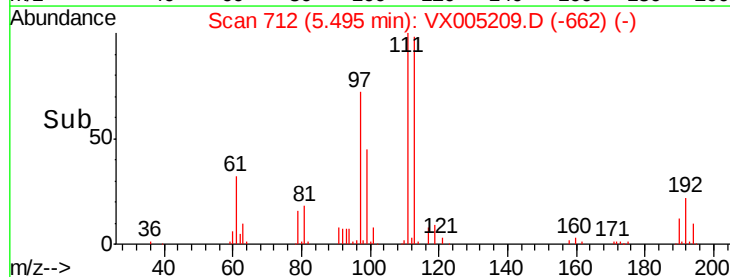
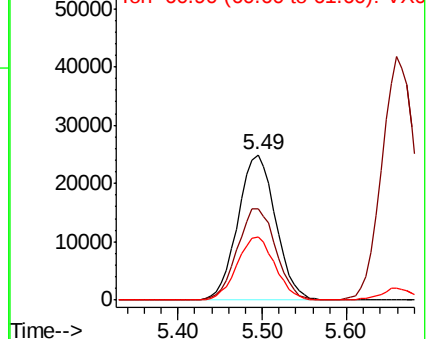
97 100

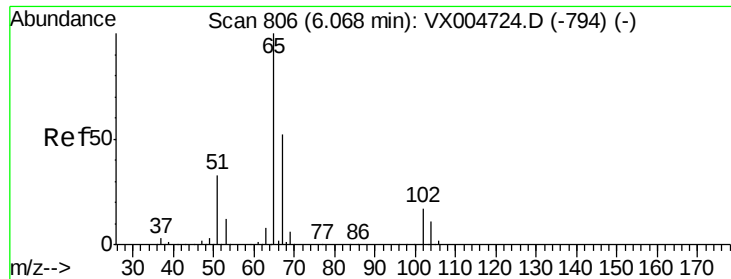
99 64.5 54.6 82.0

61 44.0 37.5 56.3



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: 37.915 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

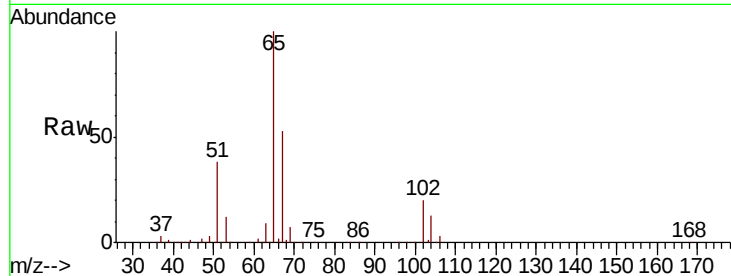
VX1010WBS01

Tot Ion: 65 Resp: 127715

Ion Ratio Lower Upper

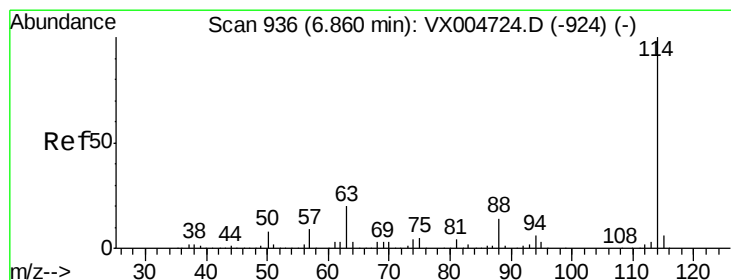
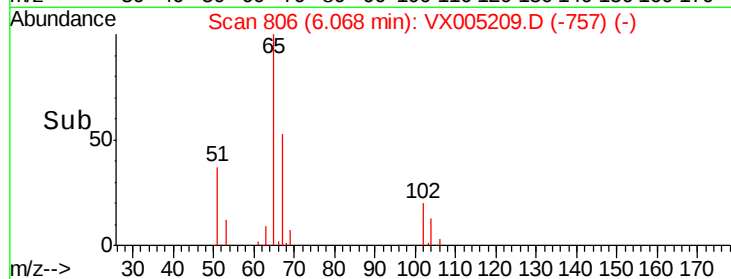
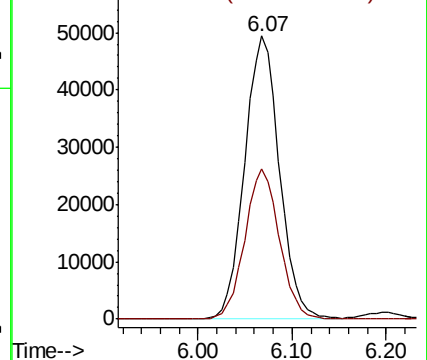
65 100

67 52.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

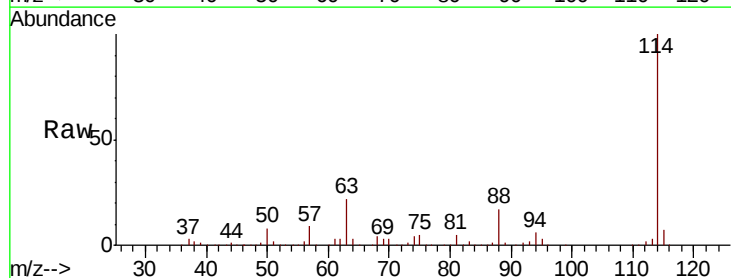
Tgt Ion: 114 Resp: 335513

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.8

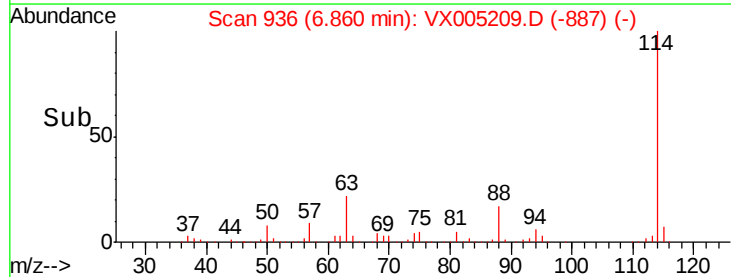
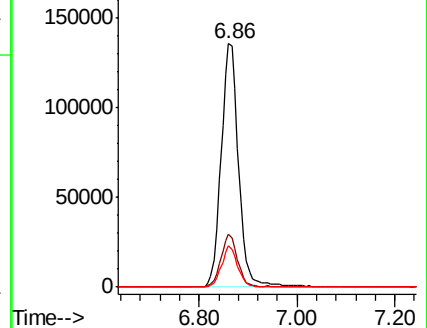
88 17.1 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 36.893 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

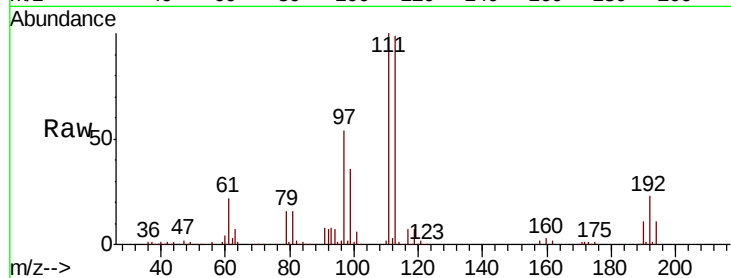
Tot Ion:113 Resp: 104907

Ion Ratio Lower Upper

113 100

111 102.0 77.0 115.4

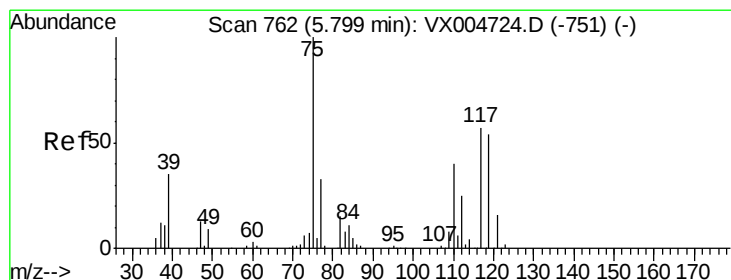
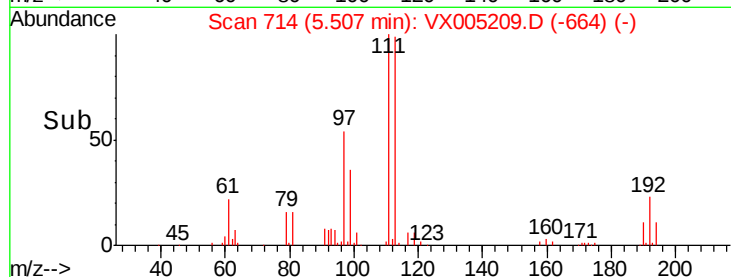
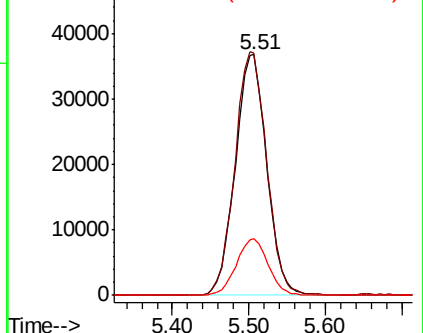
192 23.6 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.735 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

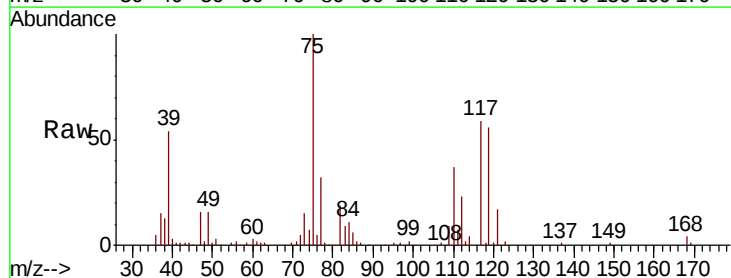
Tgt Ion: 75 Resp: 64926

Ion Ratio Lower Upper

75 100

110 35.9 20.0 59.9

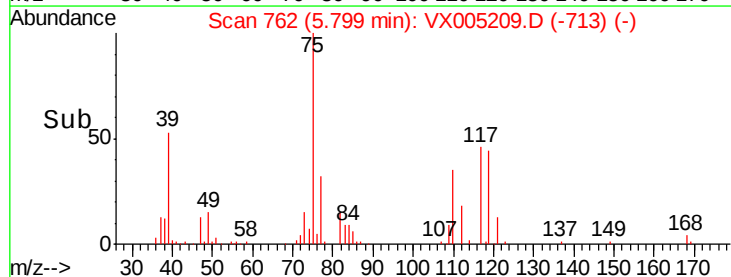
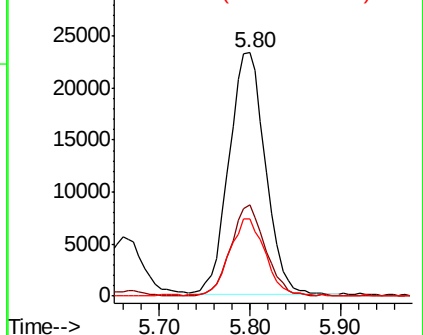
77 31.3 27.1 40.7

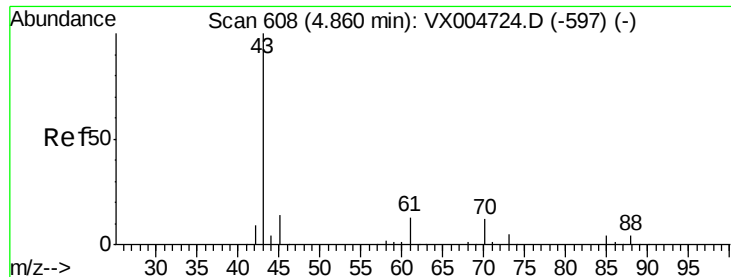


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

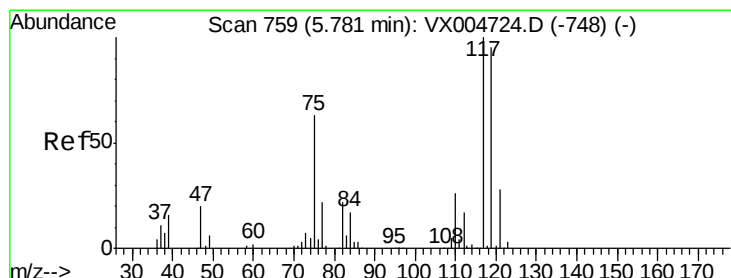
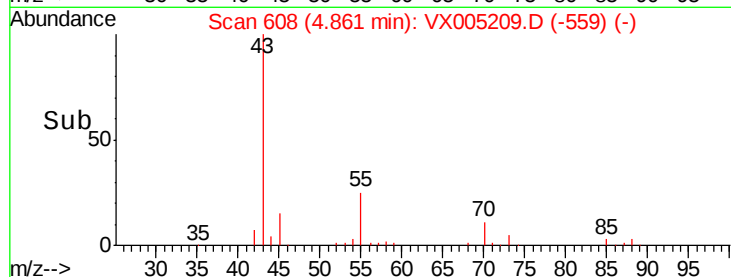
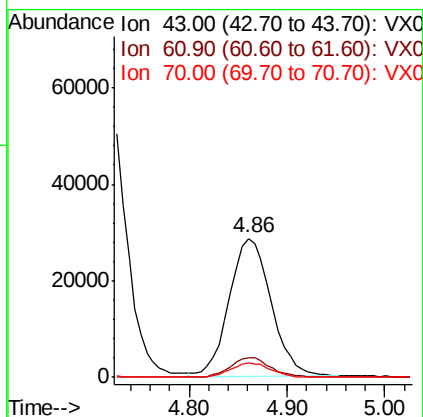
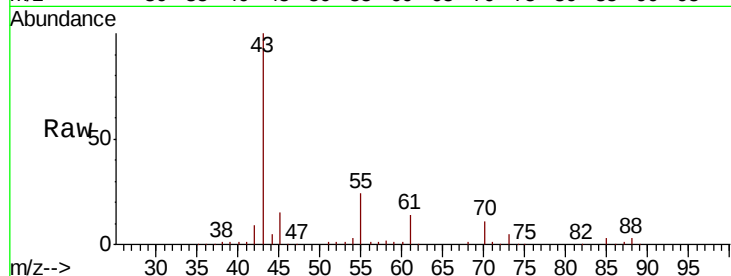




#37
Ethyl Acetate
Concen: 16.505 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

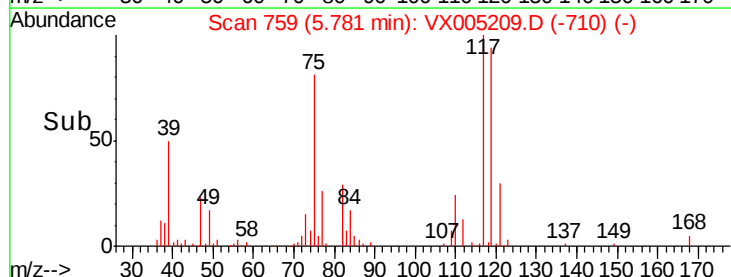
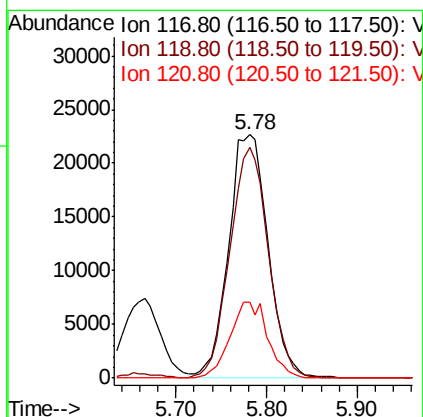
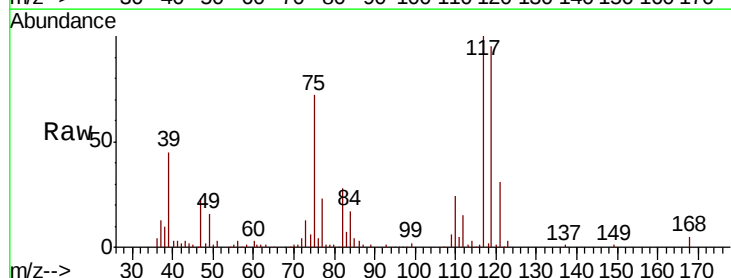
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

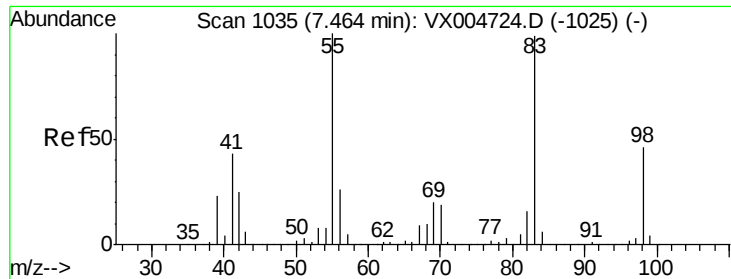
Tot Ion: 43 Resp: 85000
Ion Ratio Lower Upper
43 100
61 13.9 10.4 15.6
70 10.3 8.7 13.1



#38
Carbon Tetrachloride
Concen: 16.852 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 117 Resp: 68726
Ion Ratio Lower Upper
117 100
119 94.5 75.2 112.8
121 31.2 22.5 33.7

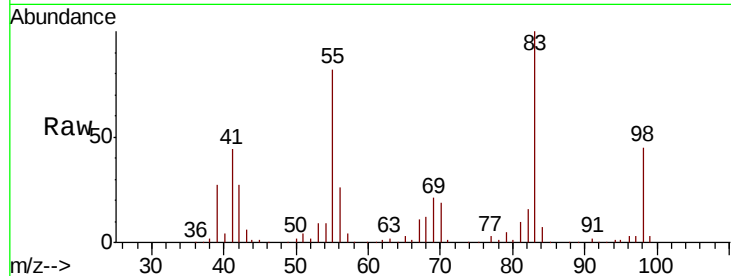




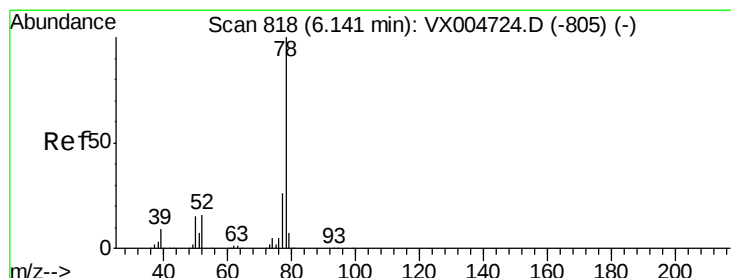
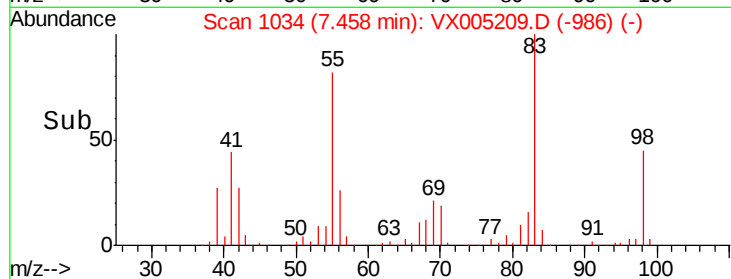
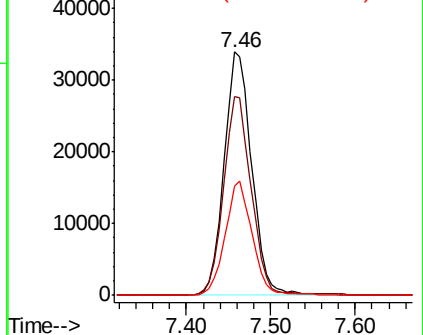
#39
Methvlcvclohexane
Concen: 19.215 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tot Ion: 83 Resp: 76119
Ion Ratio Lower Upper
83 100
55 81.8 81.1 121.7
98 44.9 37.3 55.9

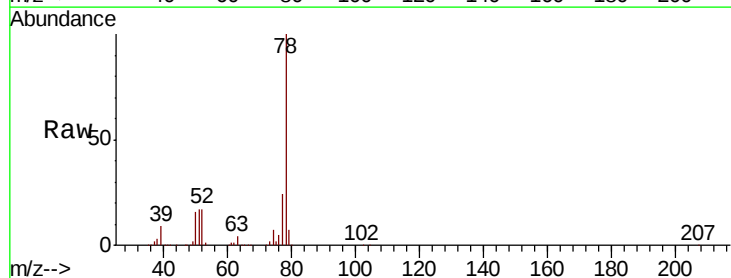


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

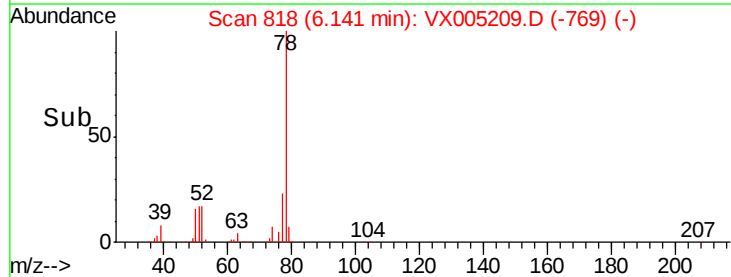
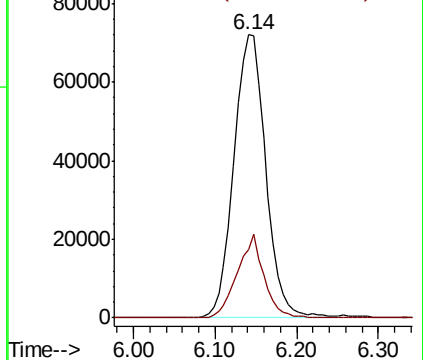


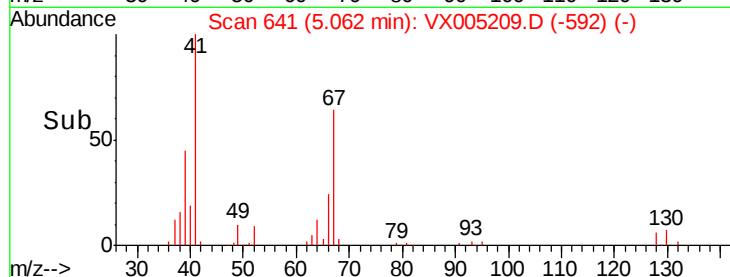
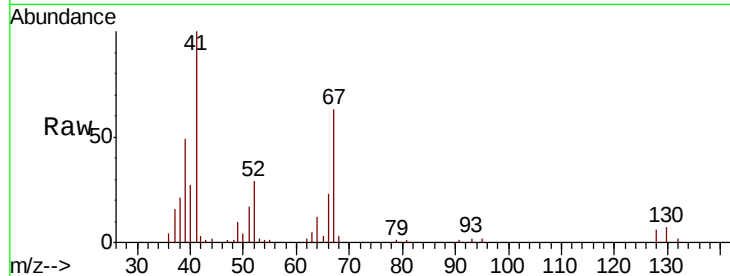
#40
Benzene
Concen: 16.054 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 78 Resp: 194990
Ion Ratio Lower Upper
78 100
77 24.0 21.0 31.4



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

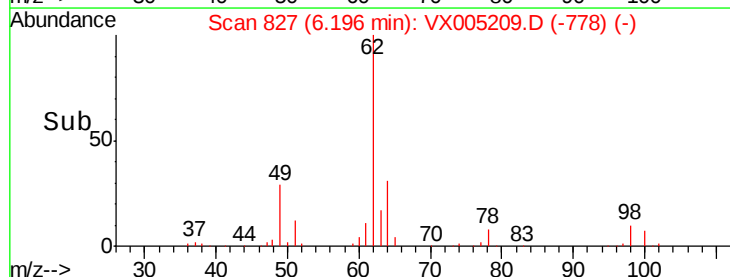
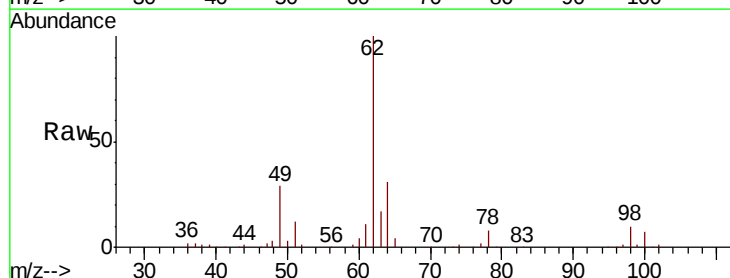
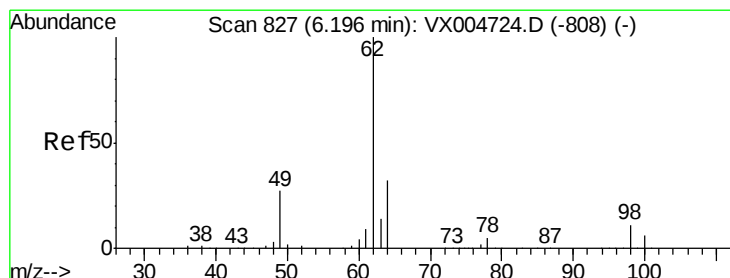
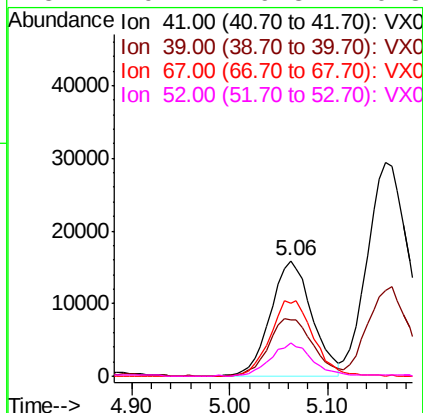




#41
Methacrylonitrile
Concen: 16.510 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

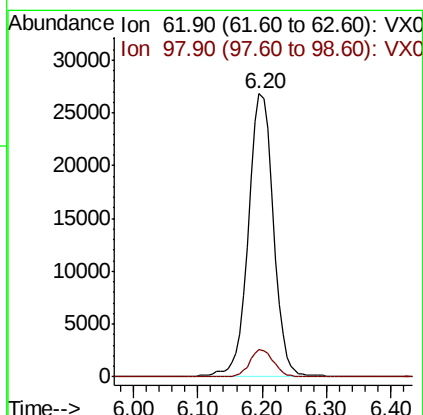
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tot Ion:	41	Resp:	47152
Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.5	63.7
67	67.9	53.0	79.6
52	29.4	19.8	29.8



#42
1,2-Dichloroethane
Concen: 16.655 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:	62	Resp:	71511
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 16.394 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

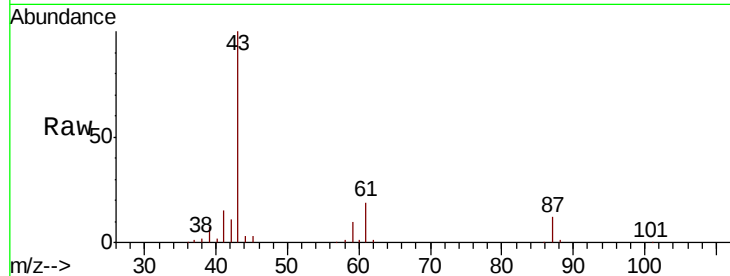
Tot Ion: 43 Resp: 121853

Ion Ratio Lower Upper

43 100

61 19.2 14.2 21.4

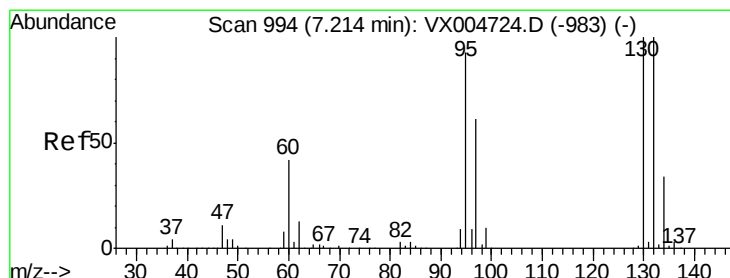
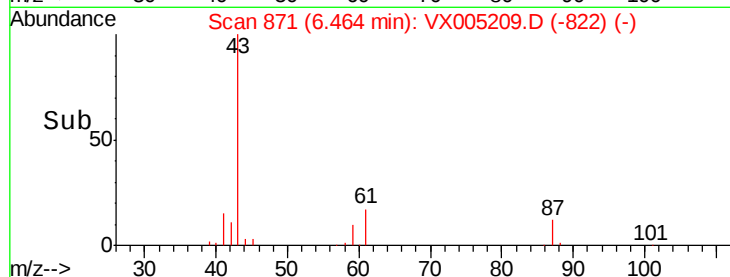
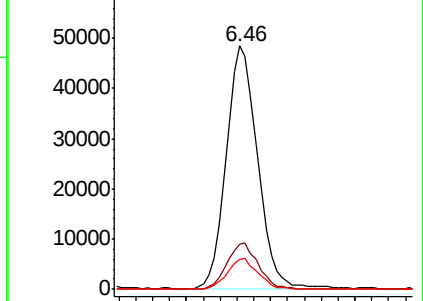
87 12.6 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX004724.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX004724.D (-859) (-)



#44

Trichloroethene

Concen: 17.724 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005209.D

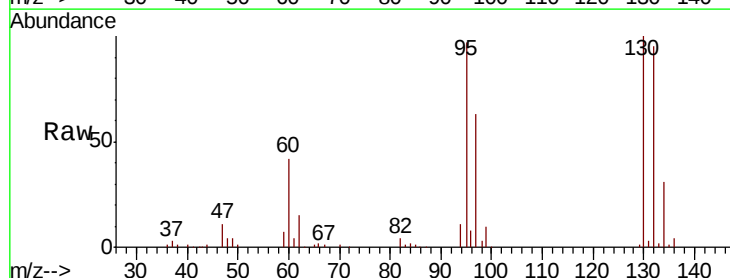
Acq: 10 Oct 2018 16:26

Tgt Ion: 130 Resp: 52922

Ion Ratio Lower Upper

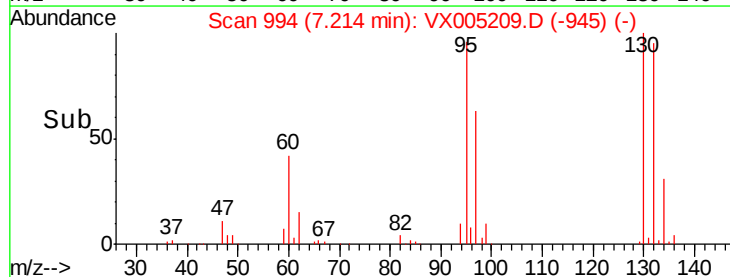
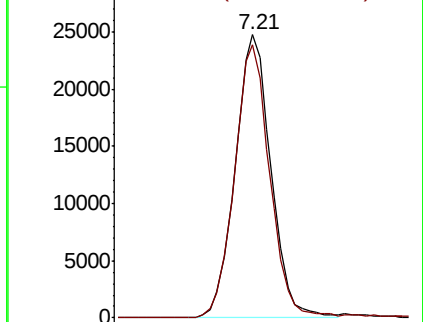
130 100

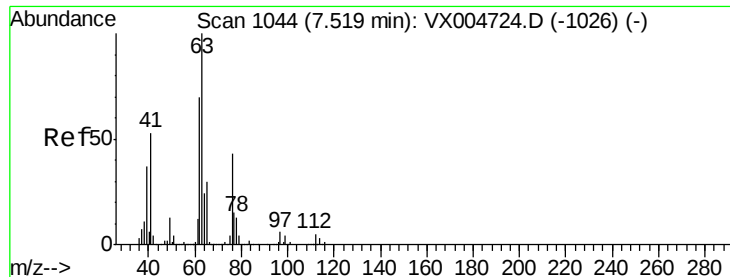
95 96.7 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): VX004724.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX004724.D (-983) (-)





#45

1,2-Dichloropropane

Concen: 17.558 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

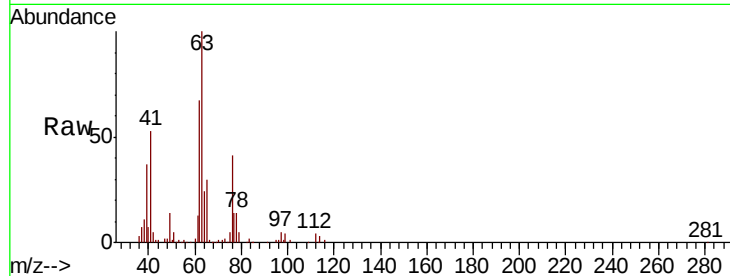
VX1010WBS01

Tot Ion: 63 Resp: 52298

Ion Ratio Lower Upper

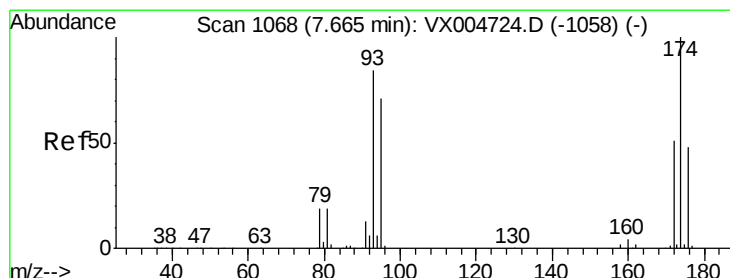
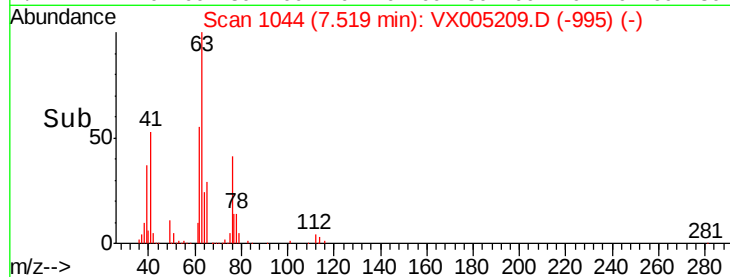
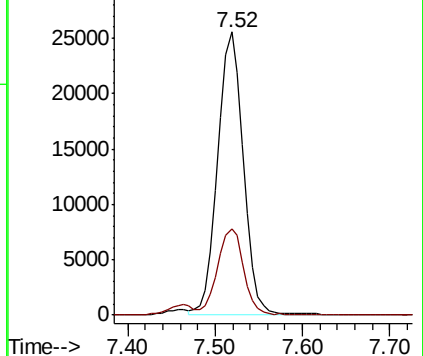
63 100

65 30.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.891 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

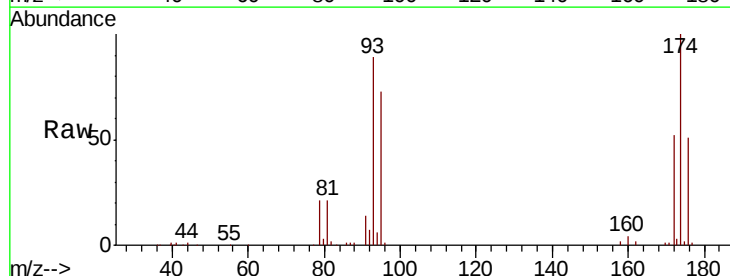
Tgt Ion: 93 Resp: 33490

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

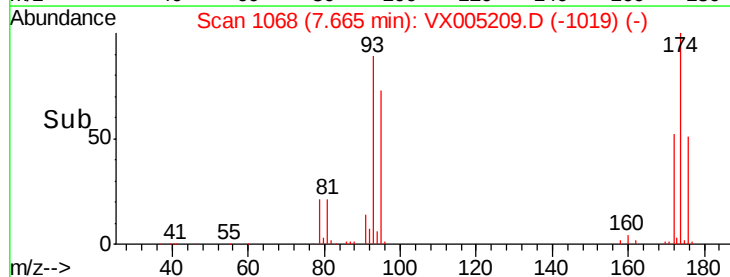
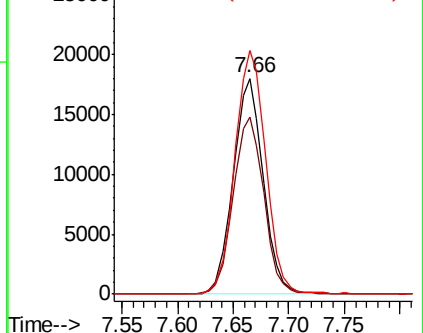
174 116.6 92.7 139.1

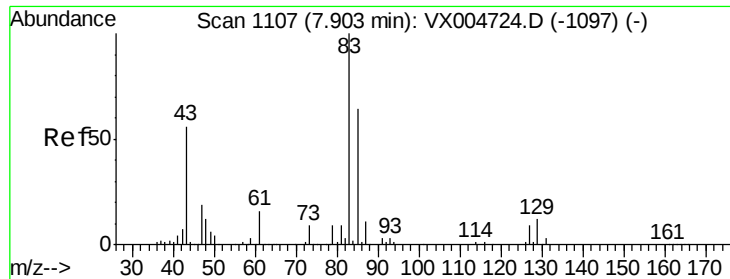


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.271 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

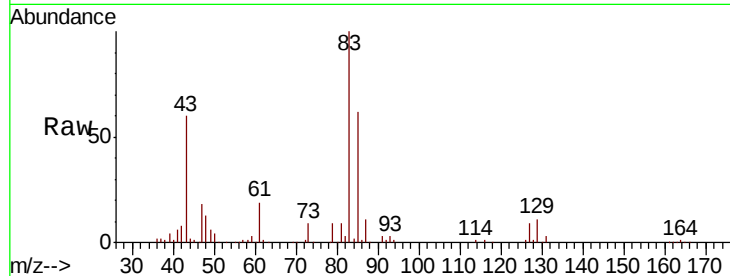
Tot Ion: 83 Resp: 64036

Ion Ratio Lower Upper

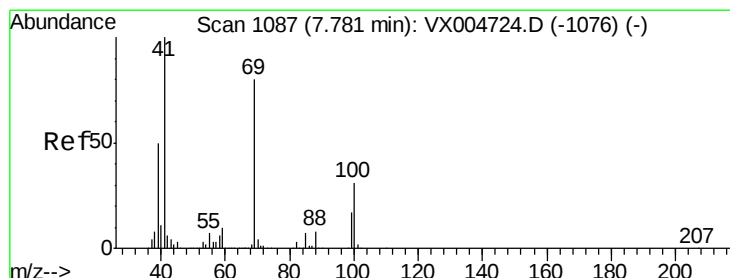
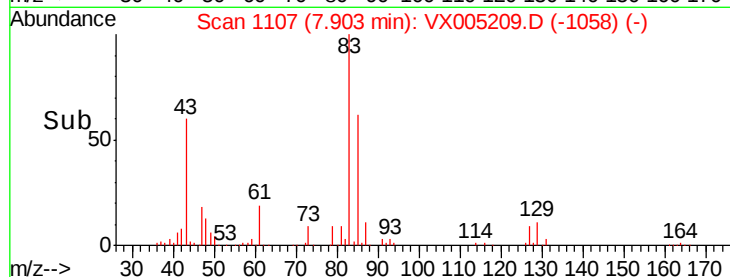
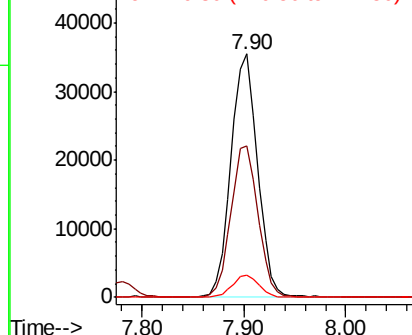
83 100

85 62.1 51.2 76.8

127 9.2 7.0 10.6



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



#48

Methyl methacrylate

Concen: 19.084 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

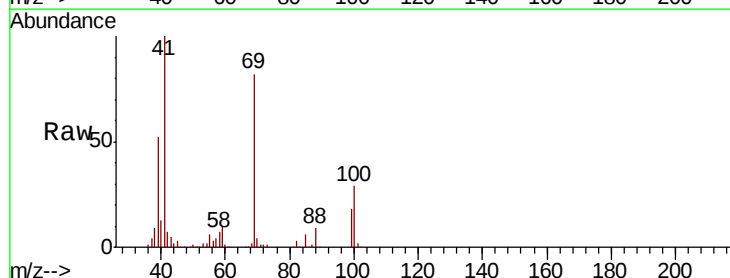
Tgt Ion: 41 Resp: 64383

Ion Ratio Lower Upper

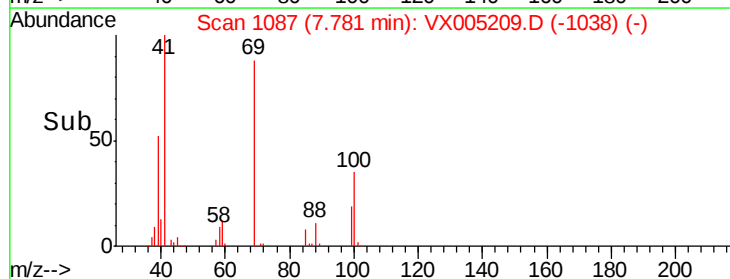
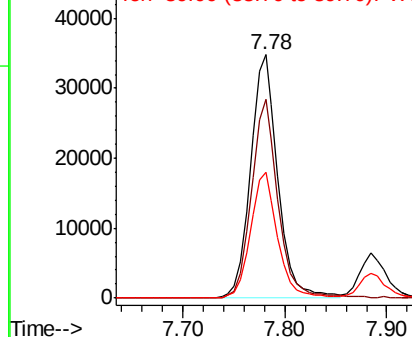
41 100

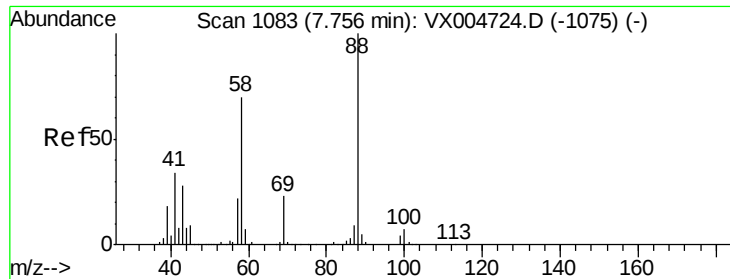
69 80.6 63.8 95.6

39 51.1 40.7 61.1



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

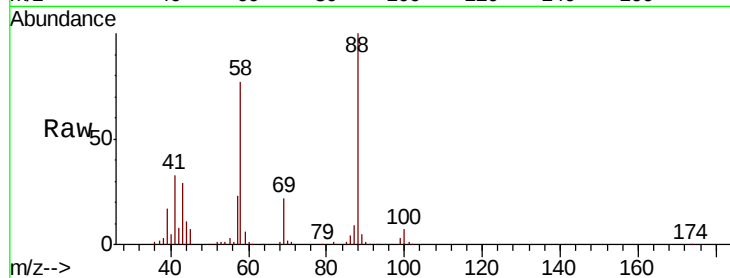




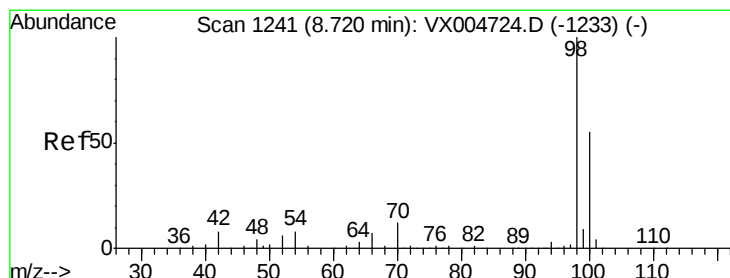
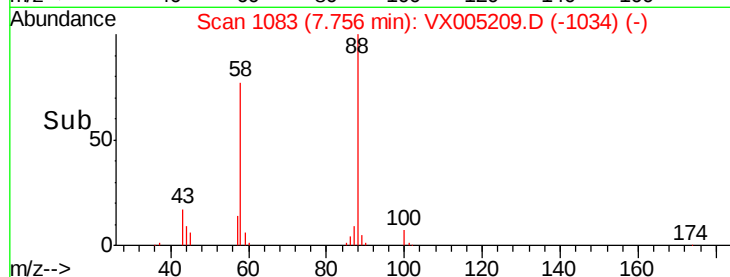
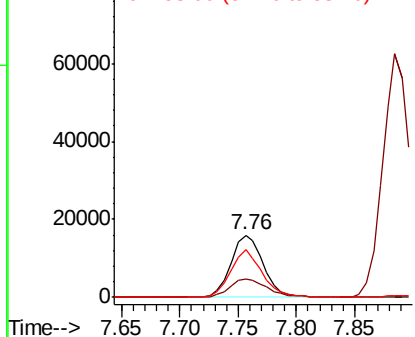
#49
1,4-Dioxane
Concen: 368.676 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tot Ion: 88 Resp: 30901
Ion Ratio Lower Upper
88 100
43 33.3 25.1 37.7
58 75.3 56.2 84.2

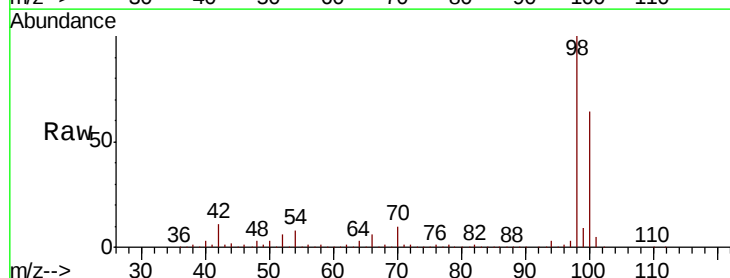


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

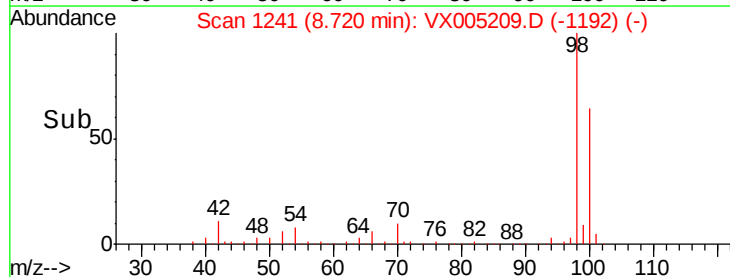
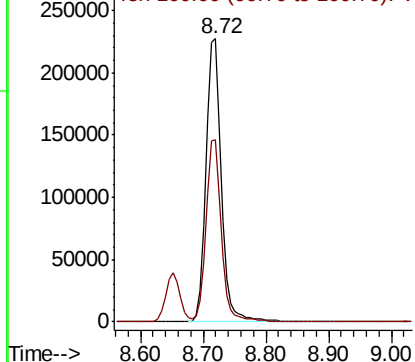


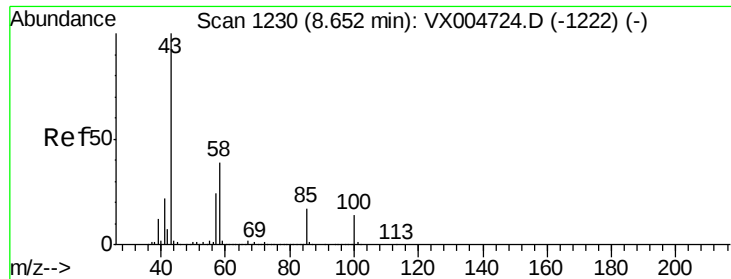
#50
Toluene-d8
Concen: 40.777 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 98 Resp: 385477
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 95.791 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

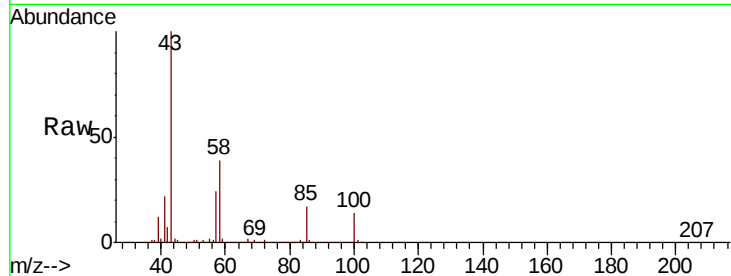
VX1010WBS01

Tot Ion: 43 Resp: 448315

Ion Ratio Lower Upper

43 100

58 37.6 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

300000

250000

200000

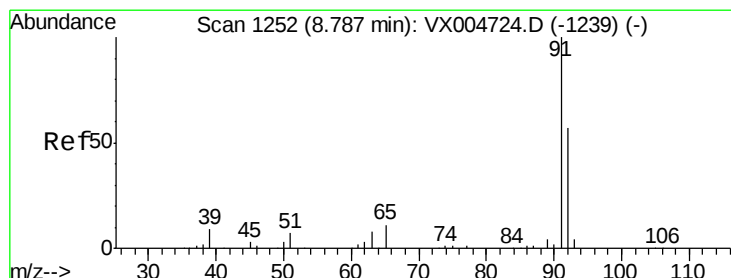
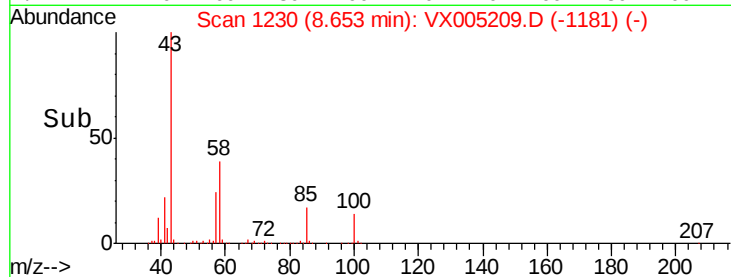
150000

100000

50000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 18.529 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005209.D

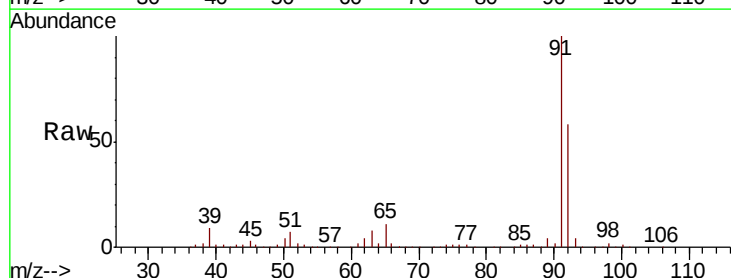
Acq: 10 Oct 2018 16:26

Tgt Ion: 92 Resp: 123661

Ion Ratio Lower Upper

92 100

91 174.1 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

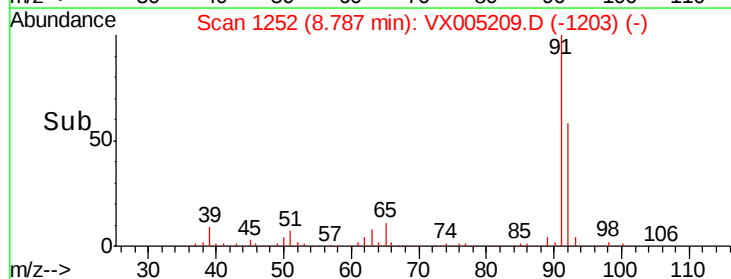
150000

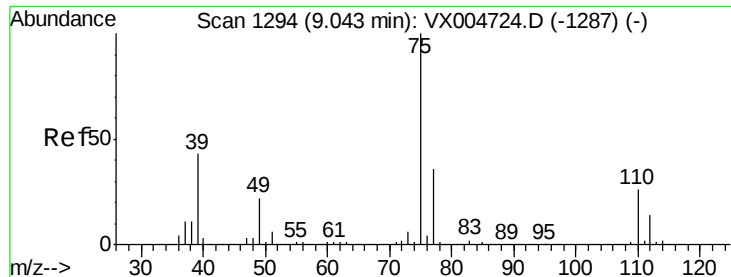
100000

50000

0

Time--> 8.70 8.80 8.90 9.00

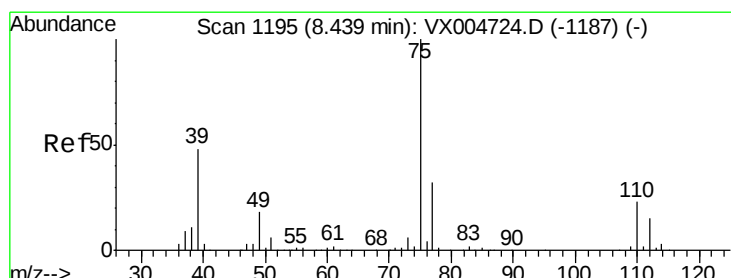
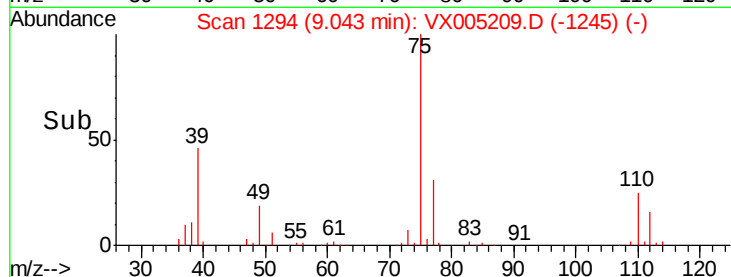
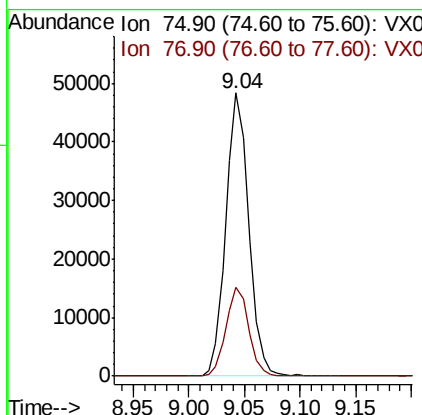
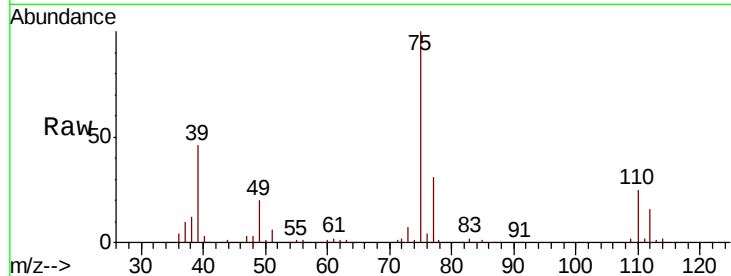




#53
t-1,3-Dichloropropene
Concen: 17.462 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

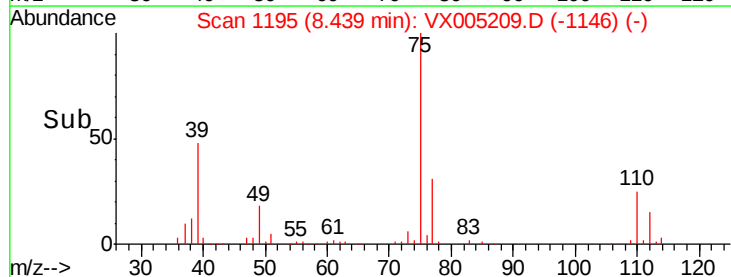
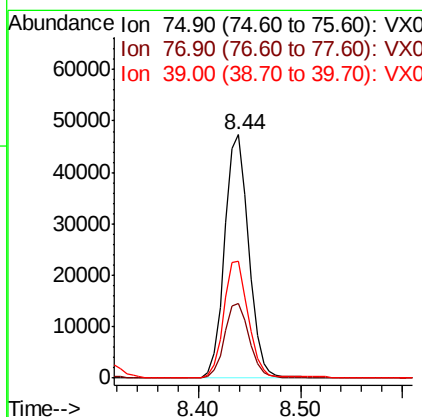
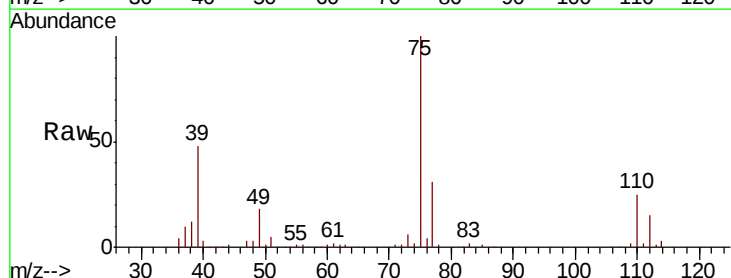
Instrument :
MSVOA_X
ClientSampled :
VX1010WBS01

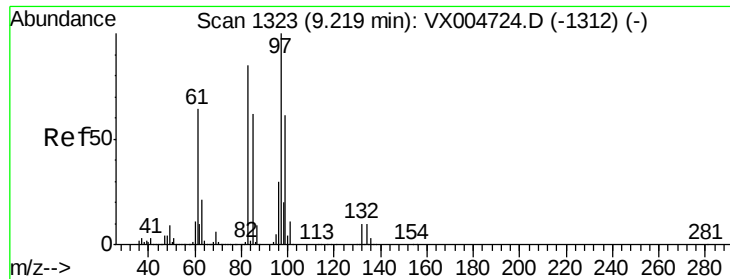
Tot Ion: 75 Resp: 69159
Ion Ratio Lower Upper
75 100
77 31.4 28.9 43.3



#54
cis-1,3-Dichloropropene
Concen: 18.653 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 75 Resp: 77376
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
39 47.7 38.3 57.5

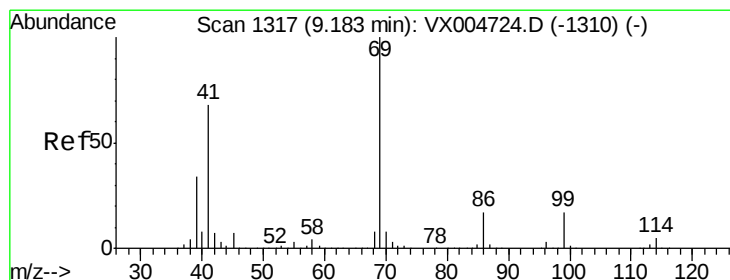
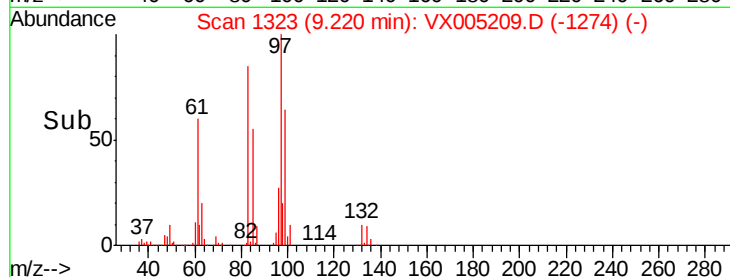
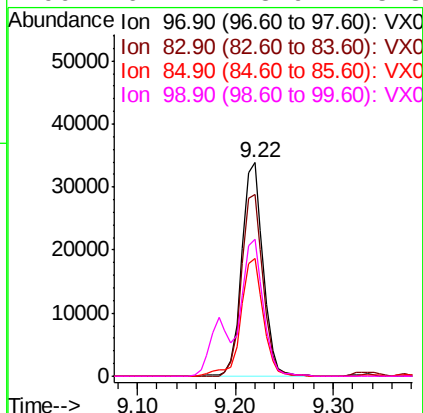
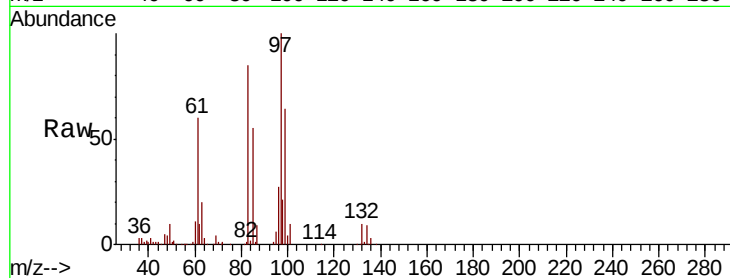




#55
 1,1,2-Trichloroethane
 Concen: 17.471 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

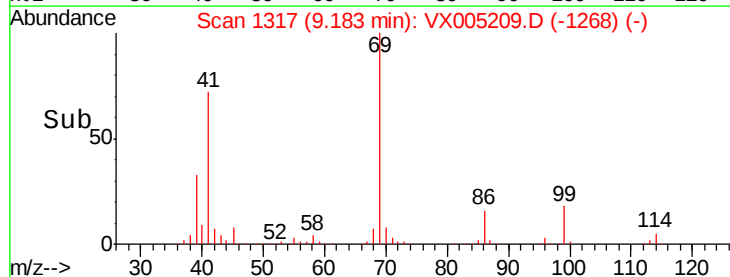
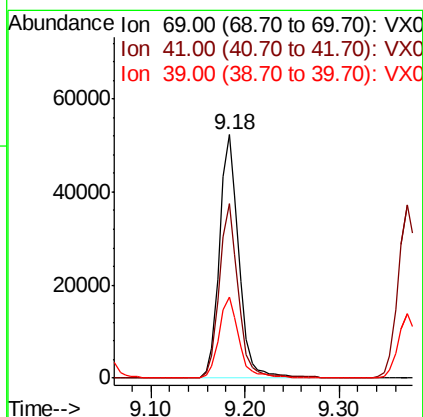
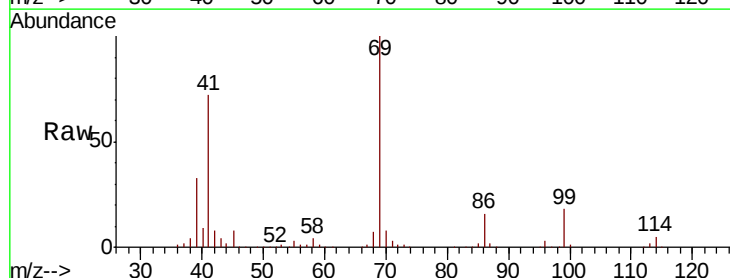
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tot Ion: 97 Resp: 51074
 Ion Ratio Lower Upper
 97 100
 83 85.0 68.2 102.2
 85 55.0 49.9 74.9
 99 64.2 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 17.693 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 69 Resp: 74628
 Ion Ratio Lower Upper
 69 100
 41 70.4 56.9 85.3
 39 34.1 28.4 42.6





#57

1,3-Dichloropropane

Concen: 17.212 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

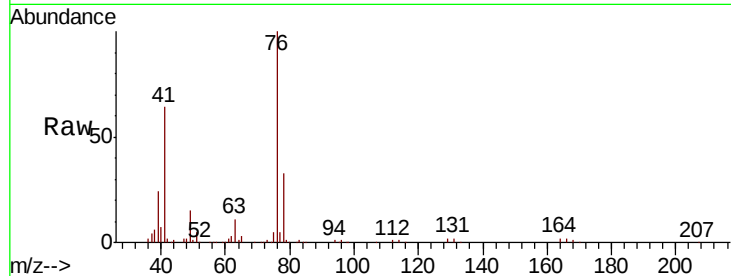
VX1010WBS01

Tot Ion: 76 Resp: 83746

Ion Ratio Lower Upper

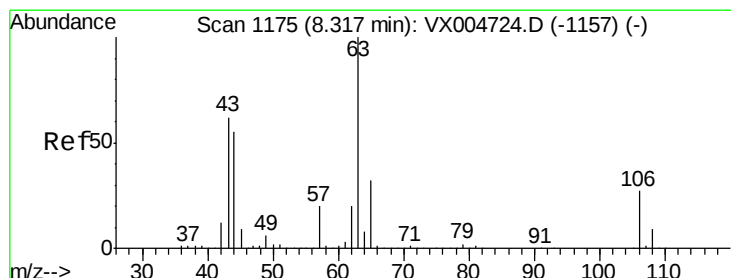
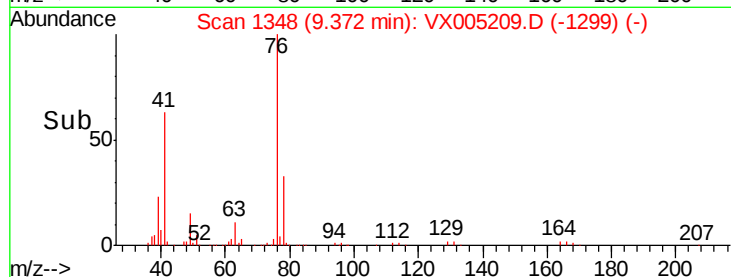
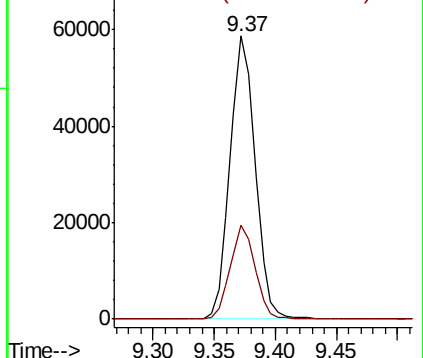
76 100

78 32.7 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 83.392 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005209.D

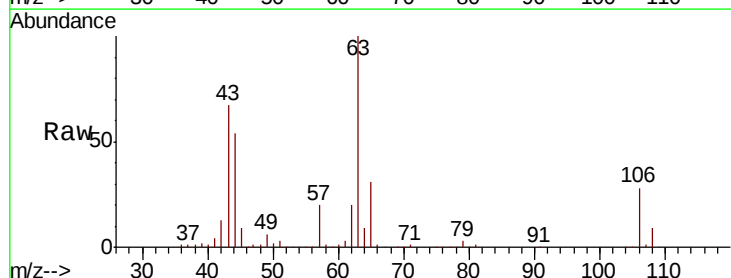
Acq: 10 Oct 2018 16:26

Tgt Ion: 63 Resp: 184707

Ion Ratio Lower Upper

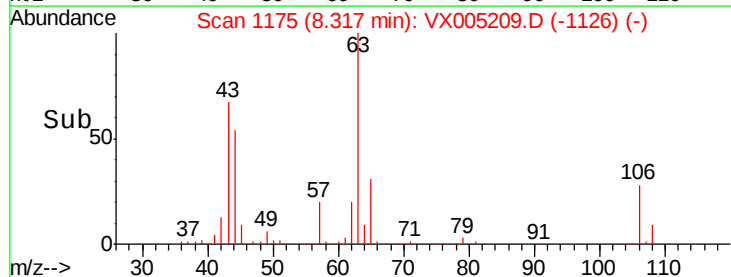
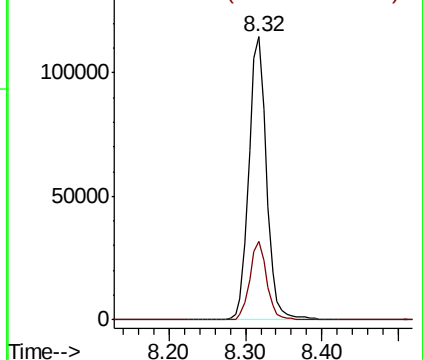
63 100

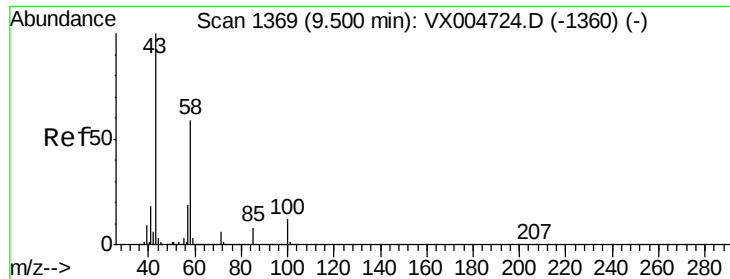
106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

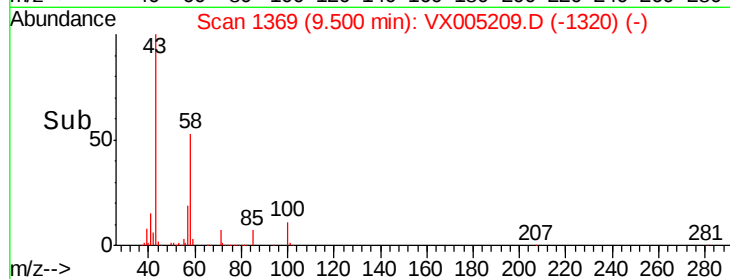
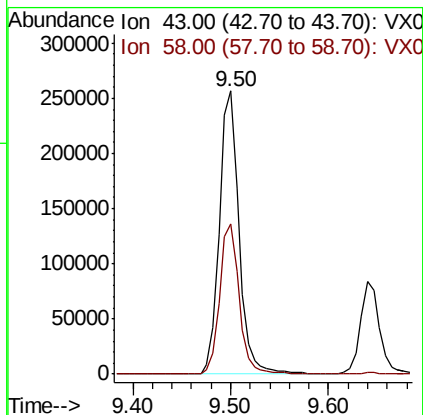
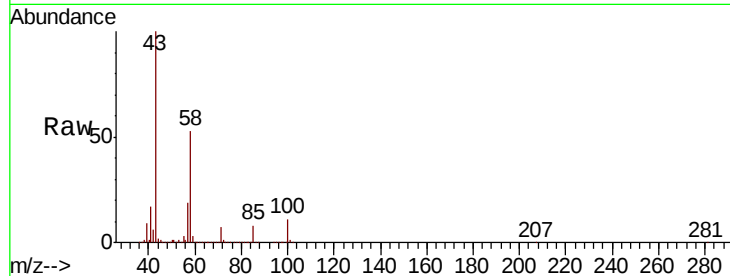




#59
2-Hexanone
Concen: 91.705 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

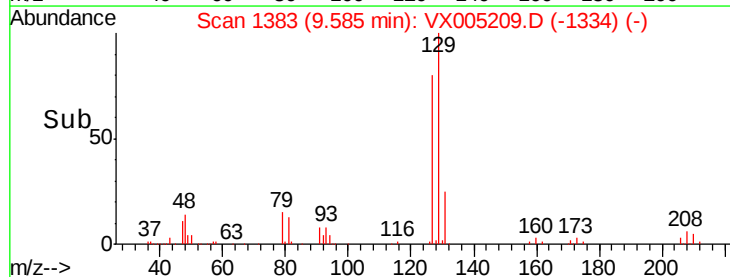
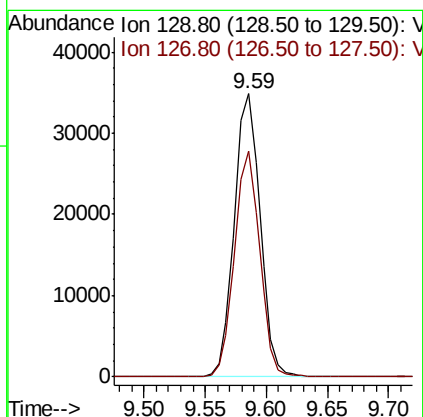
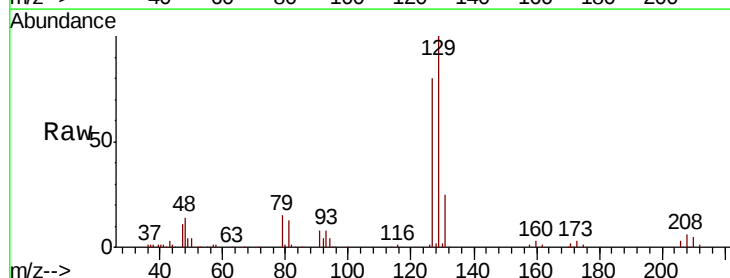
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

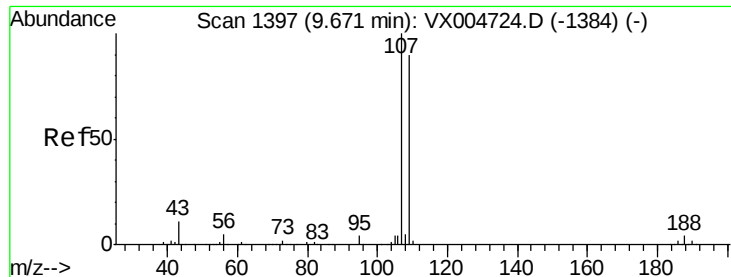
Tot Ion: 43 Resp: 357654
Ion Ratio Lower Upper
43 100
58 52.8 28.4 85.3



#60
Dibromochloromethane
Concen: 17.445 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 129 Resp: 51004
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2

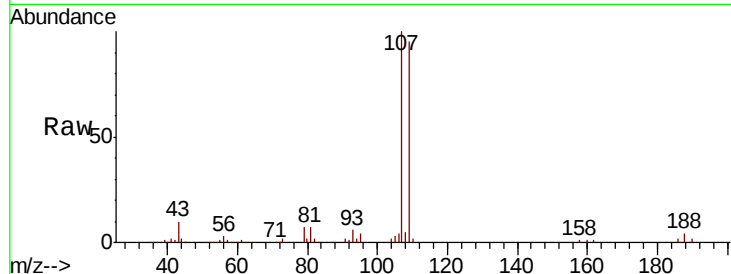




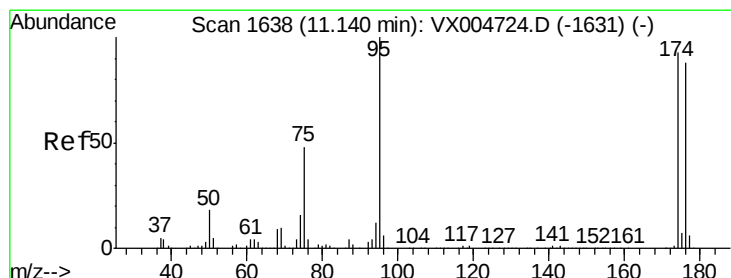
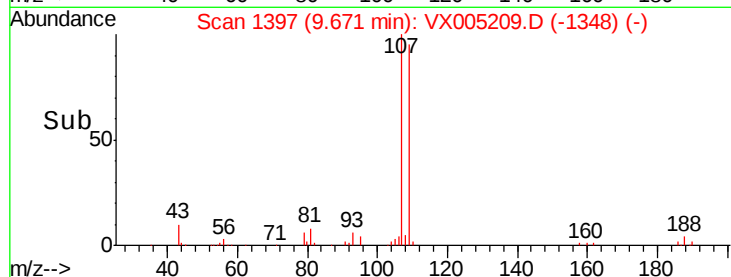
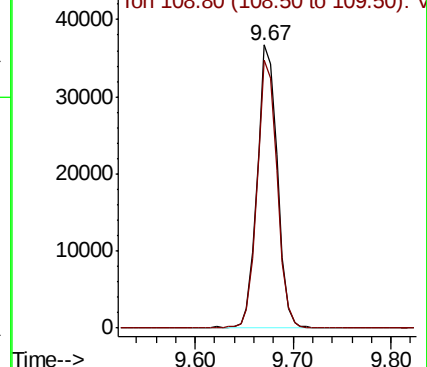
#61
 1,2-Dibromoethane
 Concen: 16.767 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tot Ion:107 Resp: 52494
 Ion Ratio Lower Upper
 107 100
 109 94.6 72.1 108.1

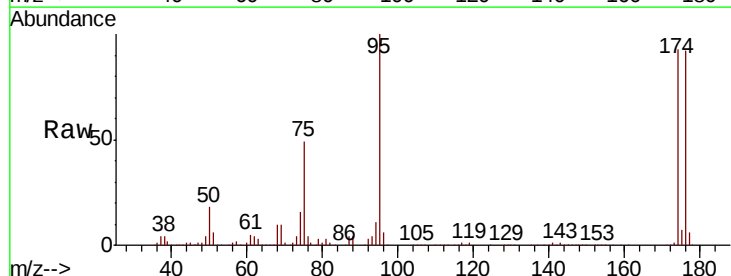


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

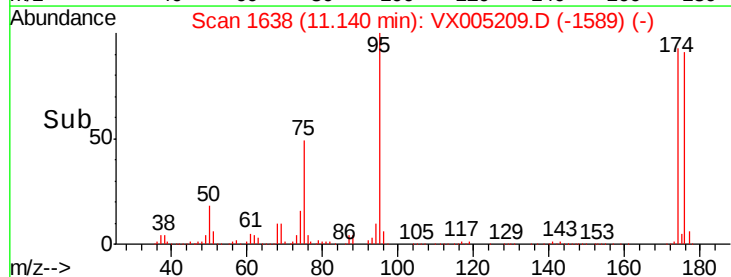
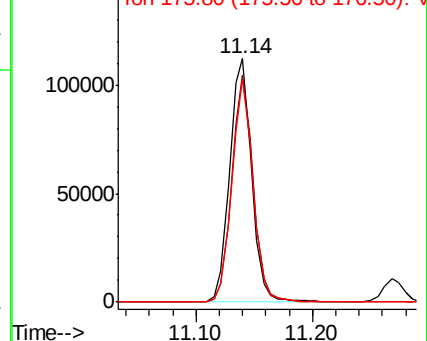


#62
 4-Bromofluorobenzene
 Concen: 42.888 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 95 Resp: 146060
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 185.0
 176 88.9 0.0 180.2



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

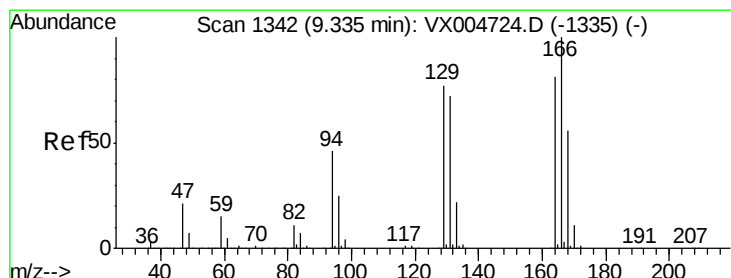
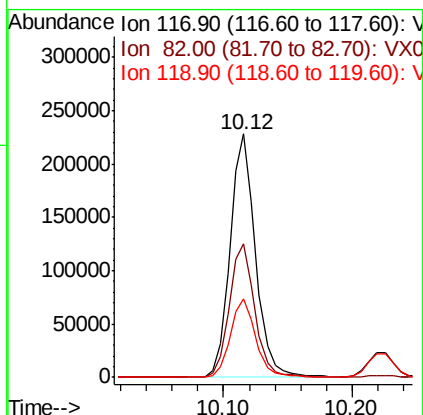
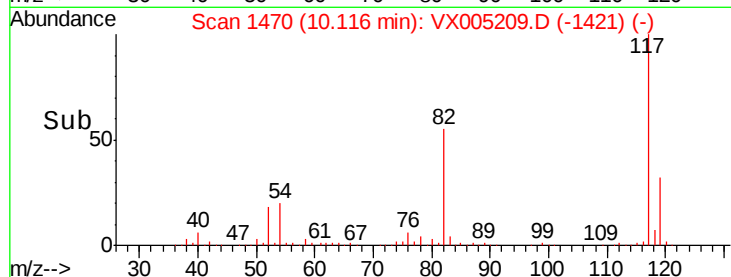
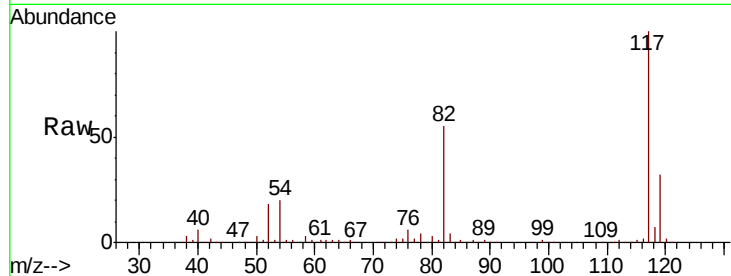




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

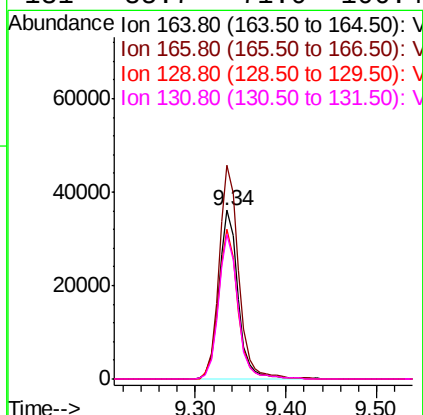
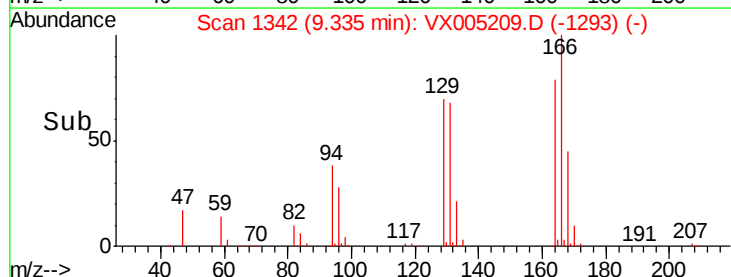
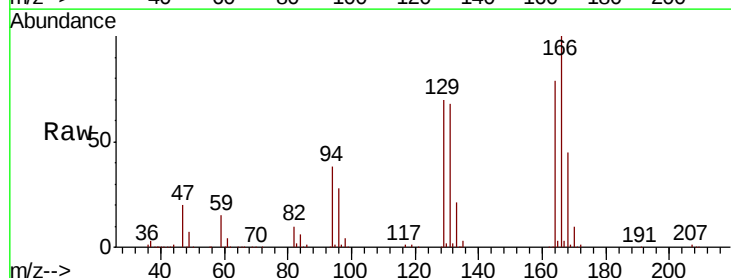
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

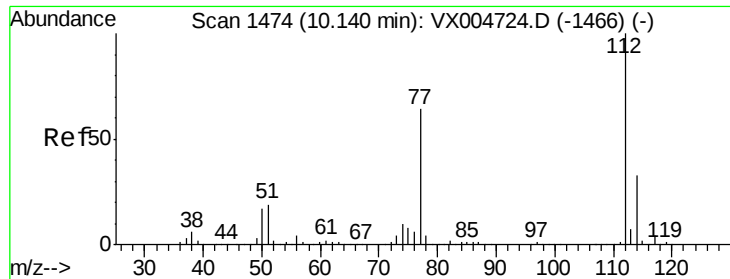
Tot Ion:117 Resp: 314449
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 32.5 27.4 41.0



#64
Tetrachloroethene
Concen: 17.352 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:164 Resp: 53701
Ion Ratio Lower Upper
164 100
166 126.5 98.4 147.6
129 88.6 76.1 114.1
131 85.7 71.0 106.4

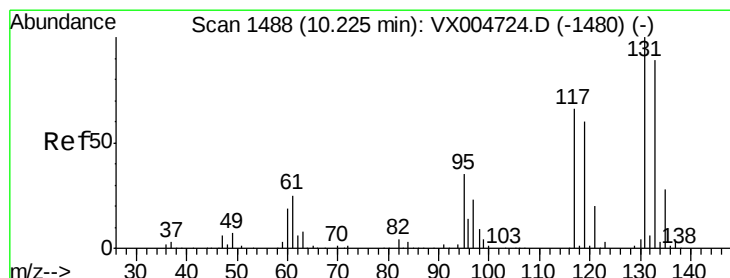
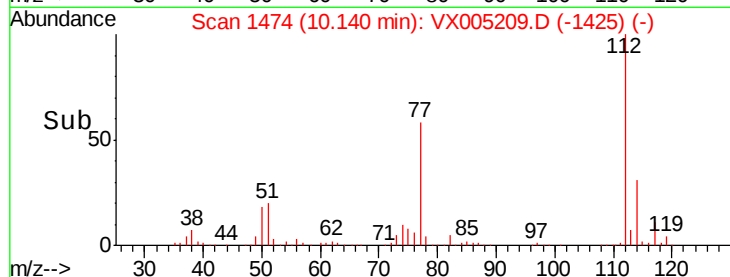
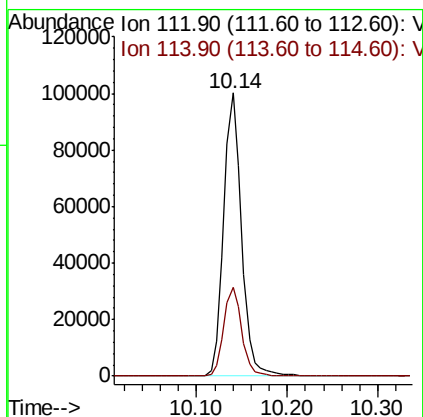
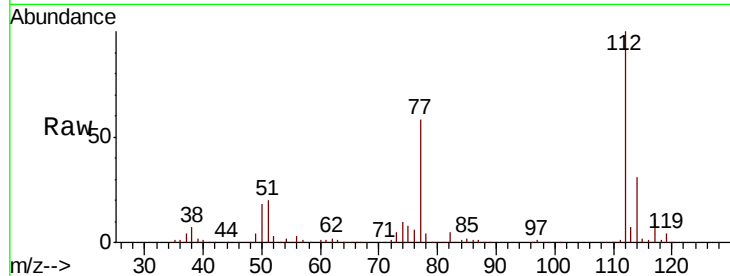




#65
Chlorobenzene
Concen: 17.142 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

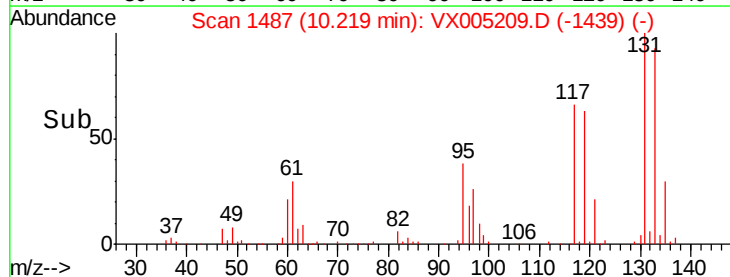
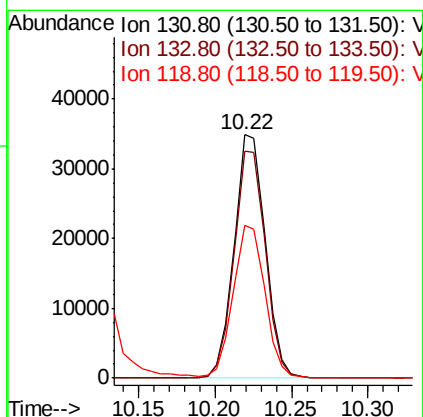
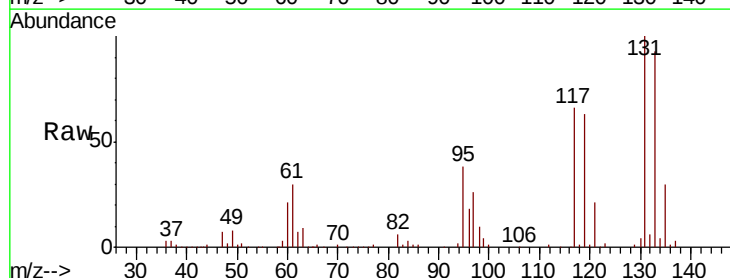
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

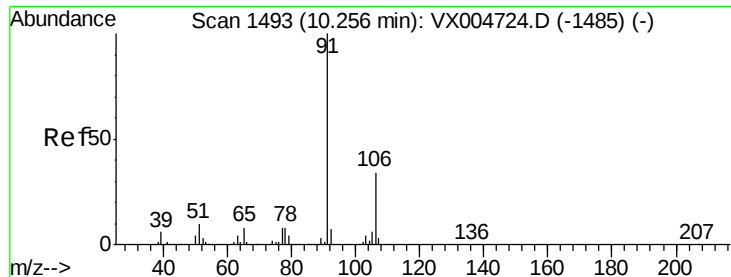
Tot Ion:112 Resp: 138225
Ion Ratio Lower Upper
112 100
114 31.3 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 17.394 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:131 Resp: 49308
Ion Ratio Lower Upper
131 100
133 93.9 48.4 145.0
119 64.0 32.3 96.8





#67

Ethyl Benzene

Concen: 17.889 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

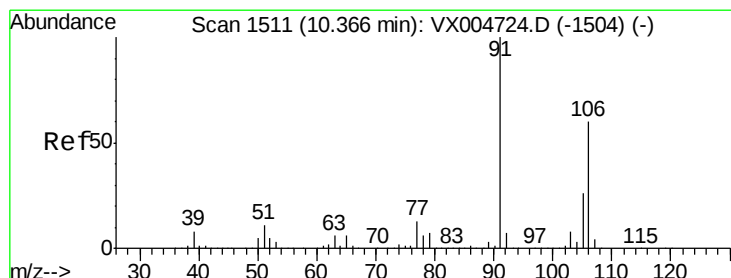
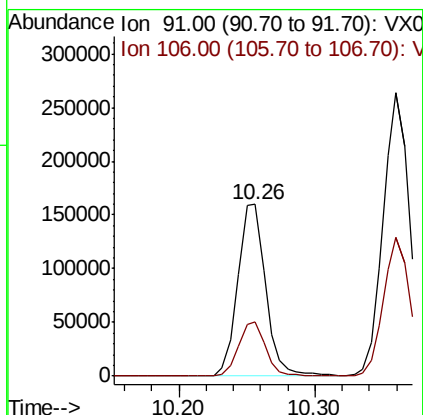
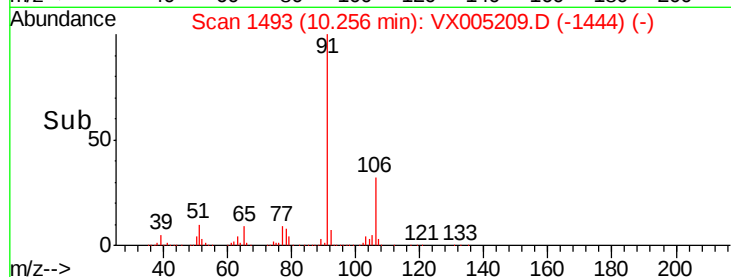
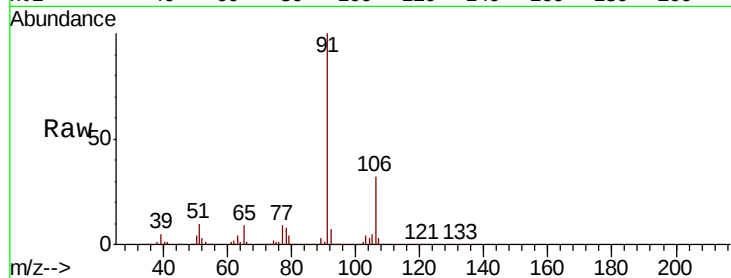
VX1010WBS01

Tot Ion: 91 Resp: 229011

Ion Ratio Lower Upper

91 100

106 31.5 26.9 40.3



#68

m/p-Xylenes

Concen: 36.354 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005209.D

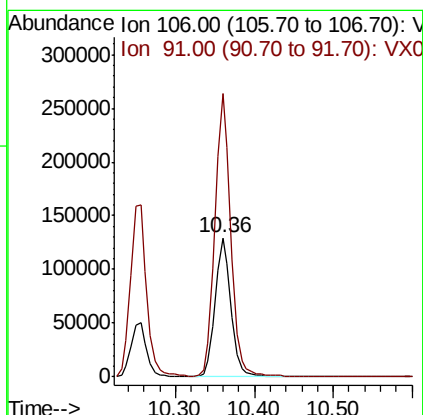
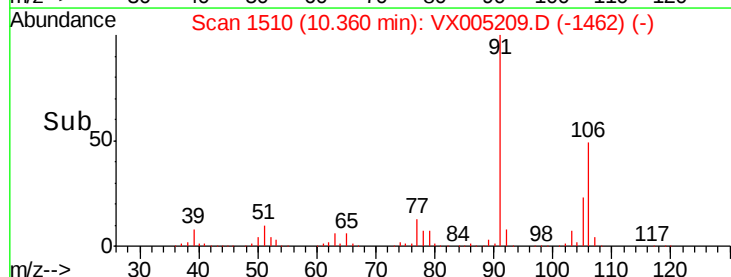
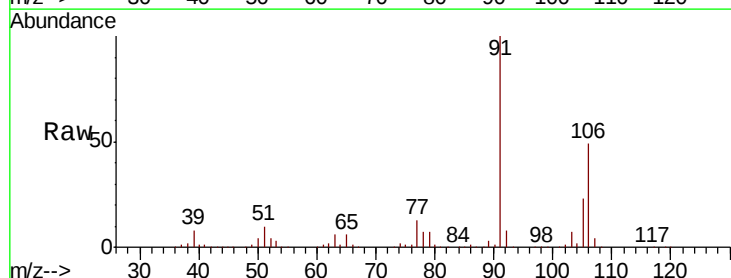
Acq: 10 Oct 2018 16:26

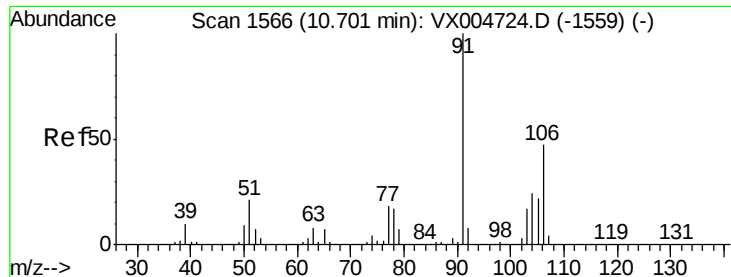
Tgt Ion: 106 Resp: 181862

Ion Ratio Lower Upper

106 100

91 204.2 157.5 236.3

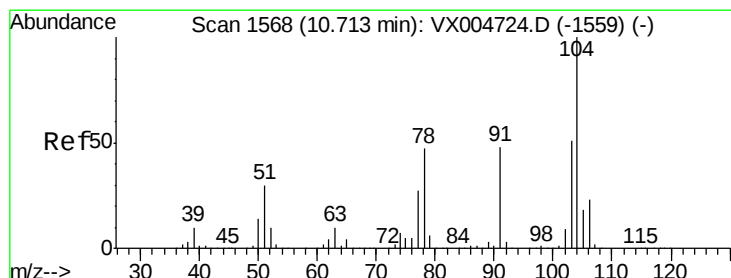
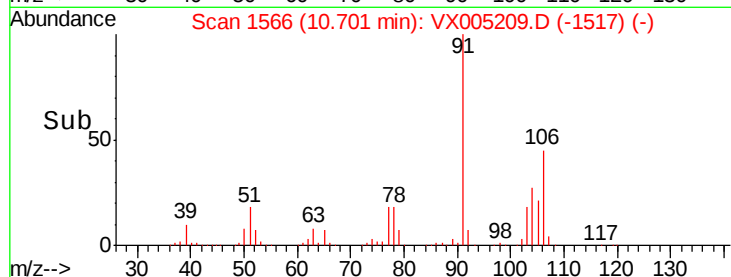
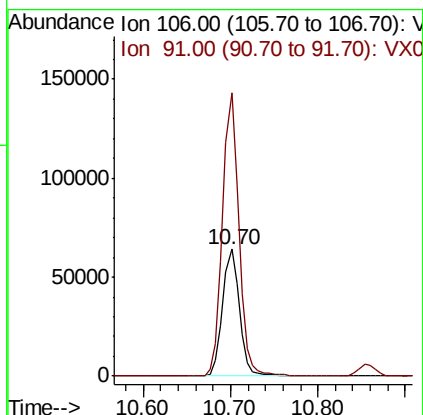
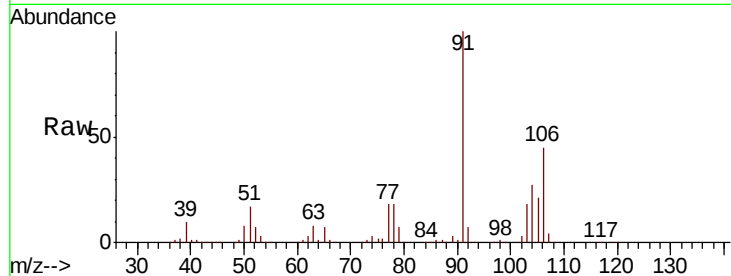




#69
o-Xylene
Concen: 18.650 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

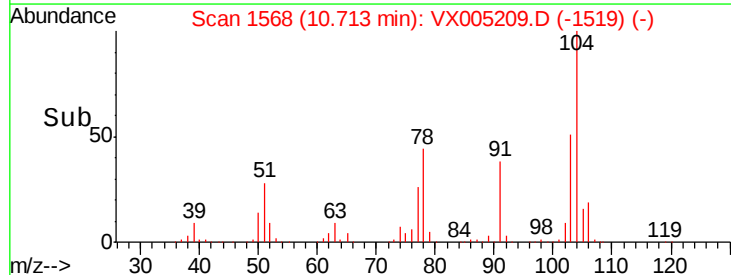
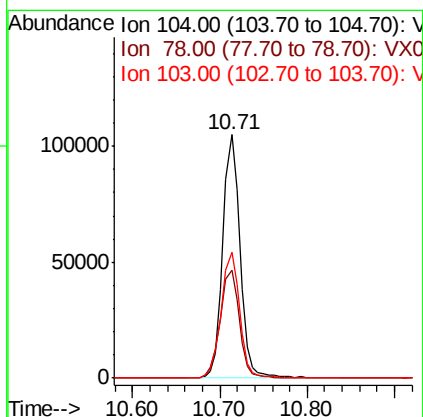
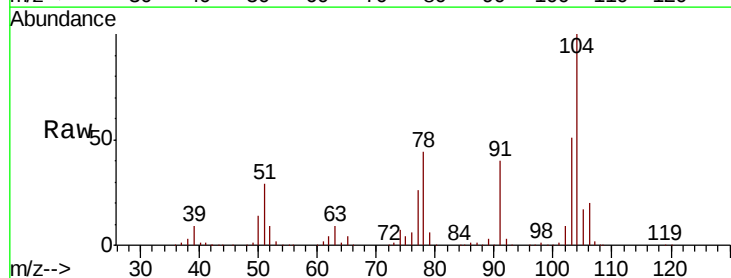
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

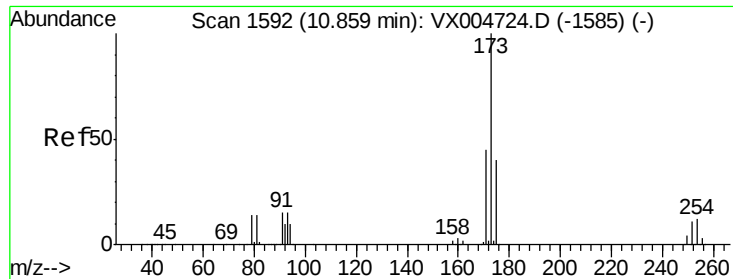
Tot Ion:106 Resp: 85694
Ion Ratio Lower Upper
106 100
91 217.3 108.3 324.8



#70
Styrene
Concen: 18.123 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:104 Resp: 143491
Ion Ratio Lower Upper
104 100
78 49.8 40.0 60.0
103 55.6 44.3 66.5





#71

Bromoform

Concen: 16.922 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

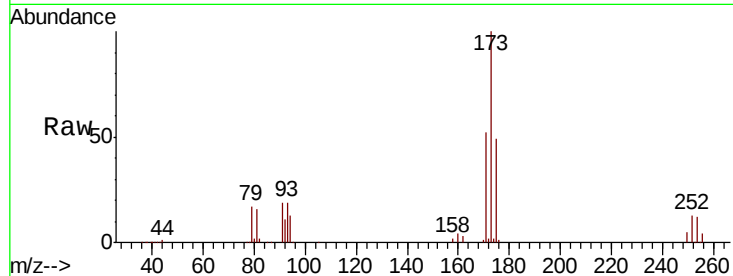
Tot Ion:173 Resp: 41067

Ion Ratio Lower Upper

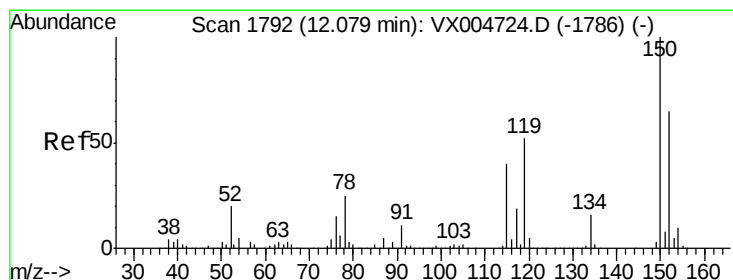
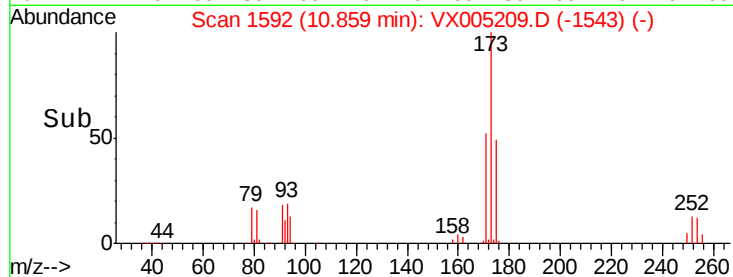
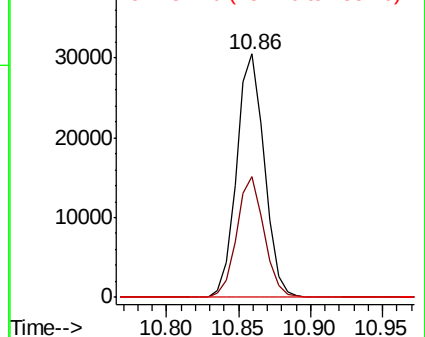
173 100

175 49.1 23.3 69.8

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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

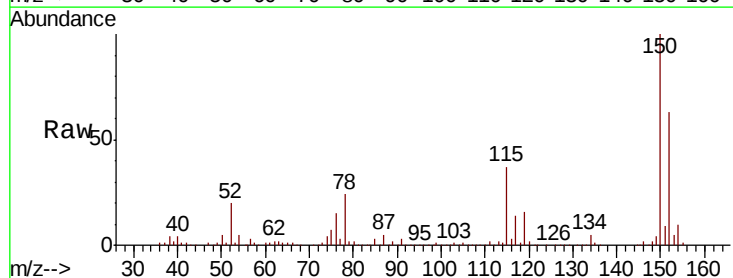
Tgt Ion:152 Resp: 177494

Ion Ratio Lower Upper

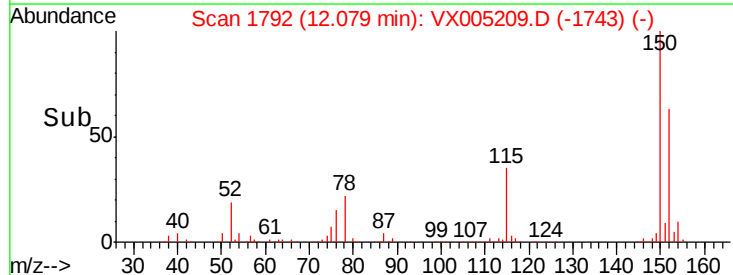
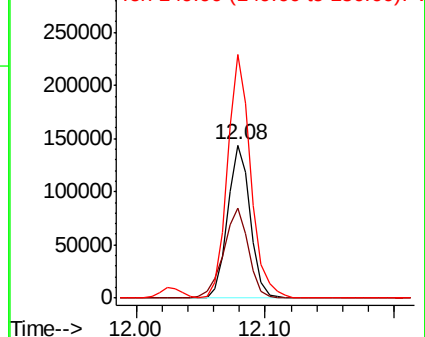
152 100

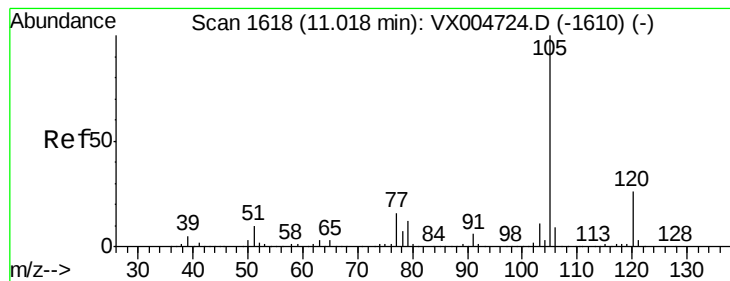
115 64.9 40.2 120.6

150 163.8 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: 21.082 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

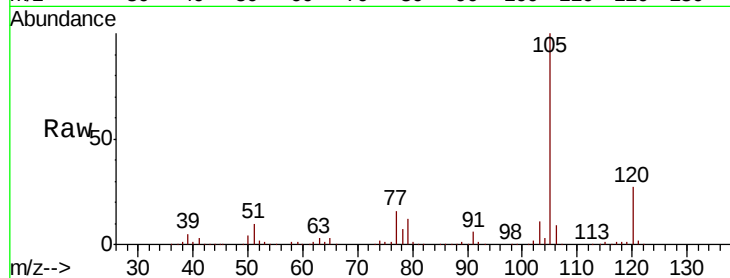
VX1010WBS01

Tot Ion: 105 Resp: 235857

Ion Ratio Lower Upper

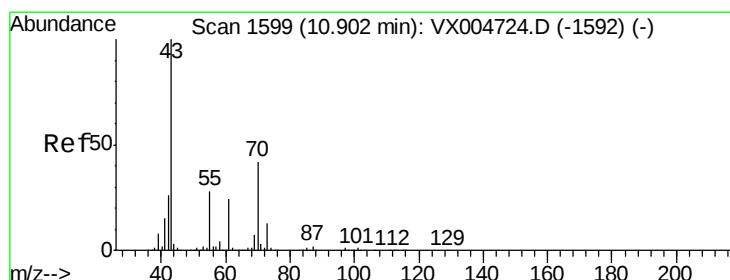
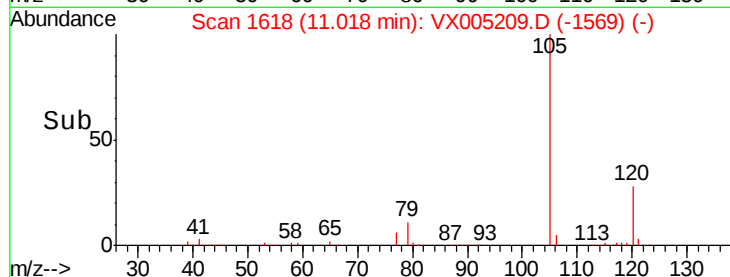
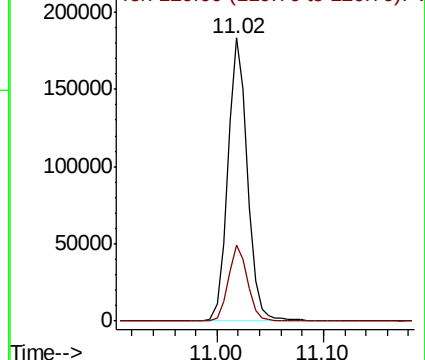
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.584 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion: 43 Resp: 107282

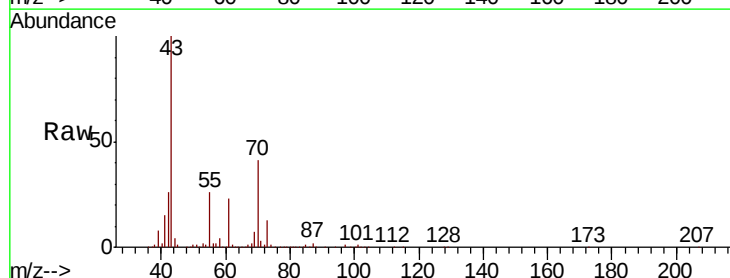
Ion Ratio Lower Upper

43 100

70 39.4 32.6 48.8

55 25.8 21.6 32.4

61 23.2 19.1 28.7

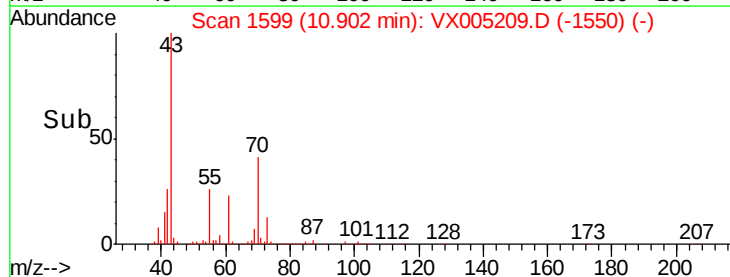
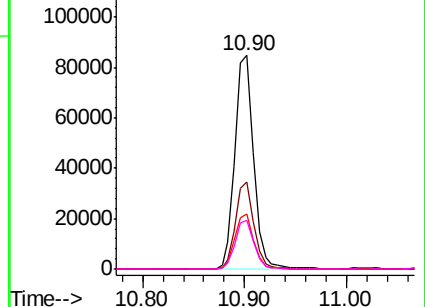


Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.350 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

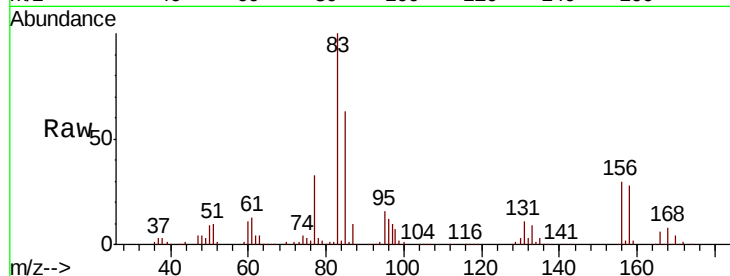
Tot Ion: 83 Resp: 83570

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.3

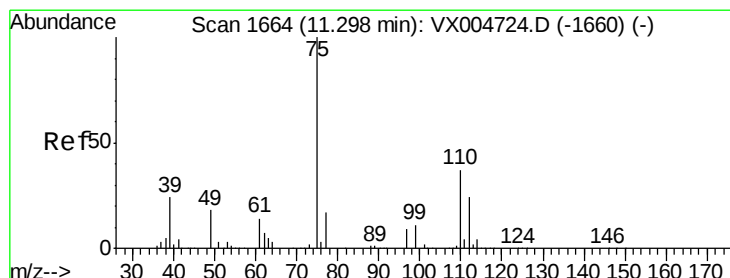
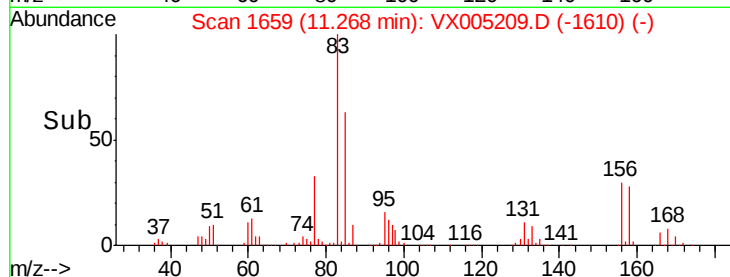
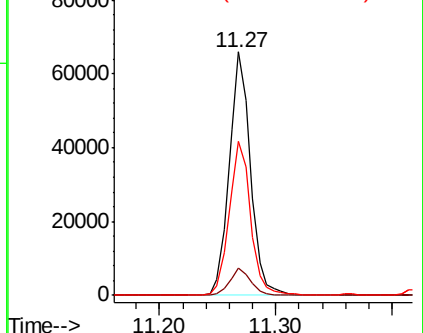
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX004724.D (-1652) (-)

Ion 130.80 (130.50 to 131.50): VX004724.D (-1652) (-)

Ion 84.90 (84.60 to 85.60): VX004724.D (-1652) (-)



#76

1,2,3-Trichloropropane

Concen: 24.240 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005209.D

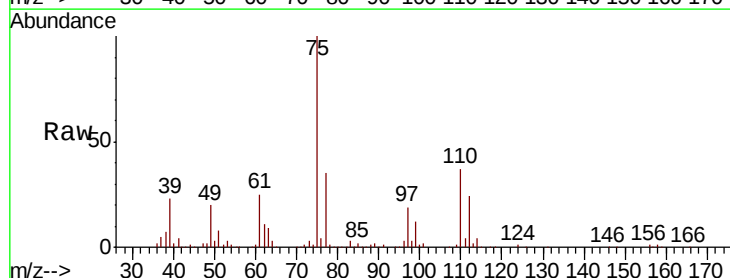
Acq: 10 Oct 2018 16:26

Tgt Ion: 75 Resp: 96432

Ion Ratio Lower Upper

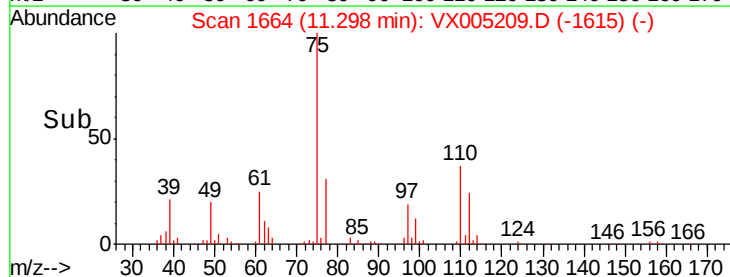
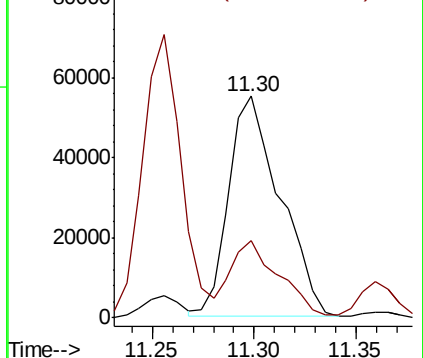
75 100

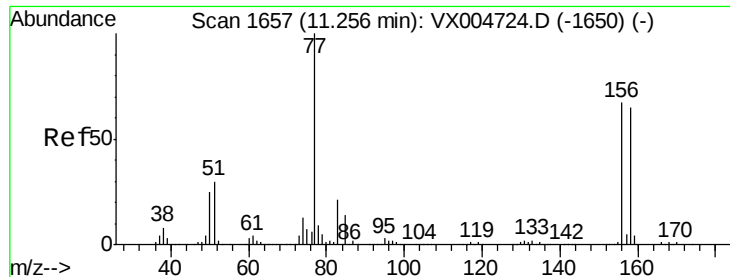
77 32.8 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX004724.D (-1660) (-)

Ion 77.00 (76.70 to 77.70): VX004724.D (-1660) (-)





#77

Bromobenzene

Concen: 19.609 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

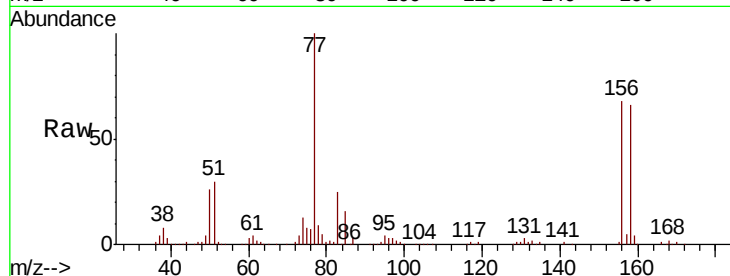
Tot Ion:156 Resp: 63721

Ion Ratio Lower Upper

156 100

77 146.6 73.4 220.2

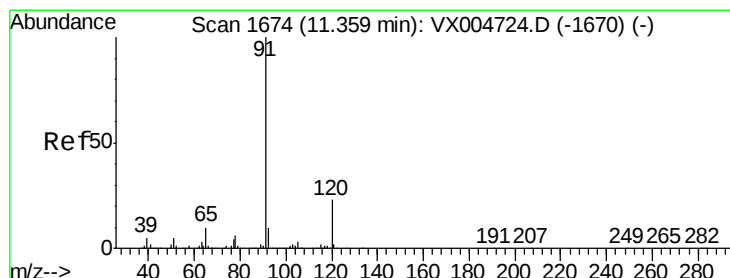
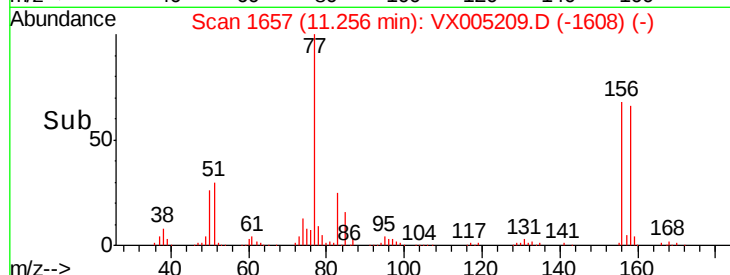
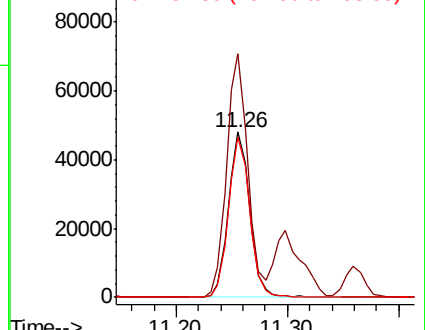
158 96.3 49.1 147.4



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: 21.137 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005209.D

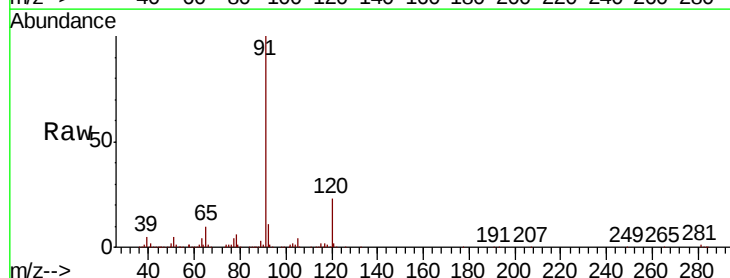
Acq: 10 Oct 2018 16:26

Tgt Ion: 91 Resp: 271325

Ion Ratio Lower Upper

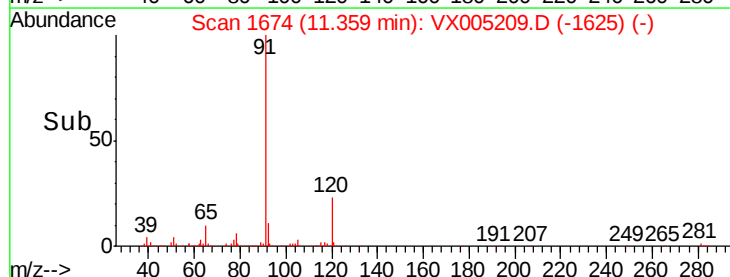
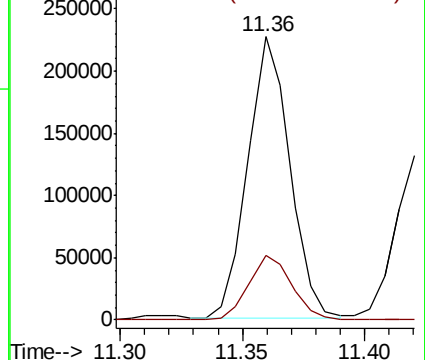
91 100

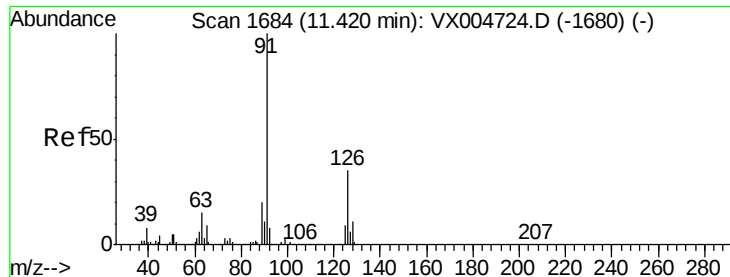
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.403 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampled :

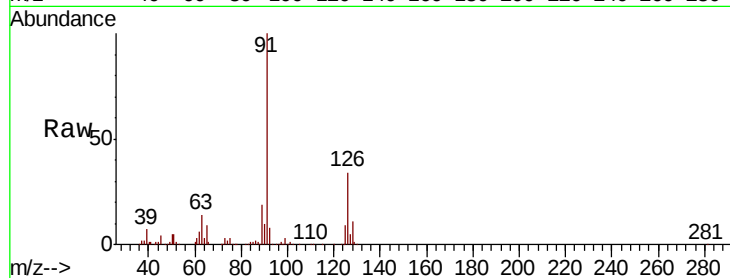
VX1010WBS01

Tot Ion: 91 Resp: 163253

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)

250000

200000

150000

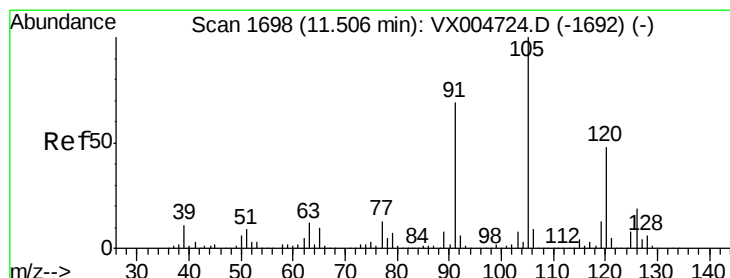
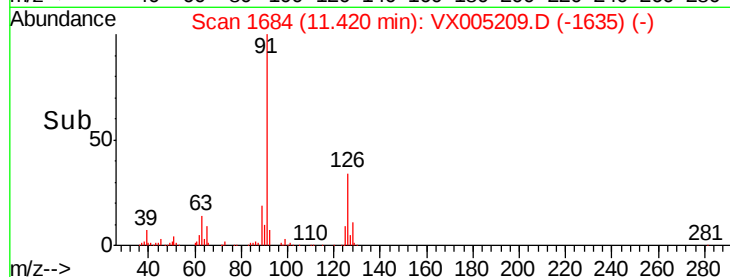
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.594 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005209.D

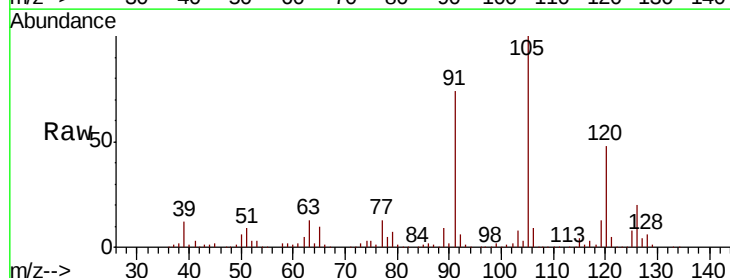
Acq: 10 Oct 2018 16:26

Tgt Ion: 105 Resp: 202147

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX004724.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1692) (-)

200000

150000

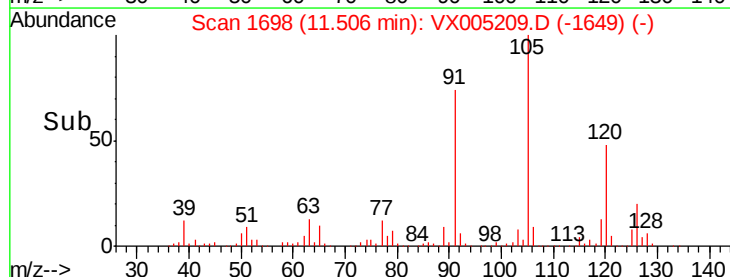
100000

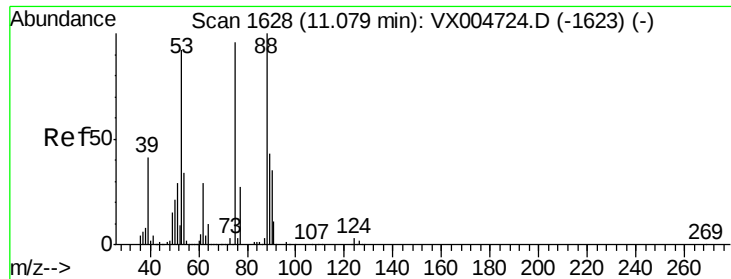
50000

0

11.50 11.60

Time-->

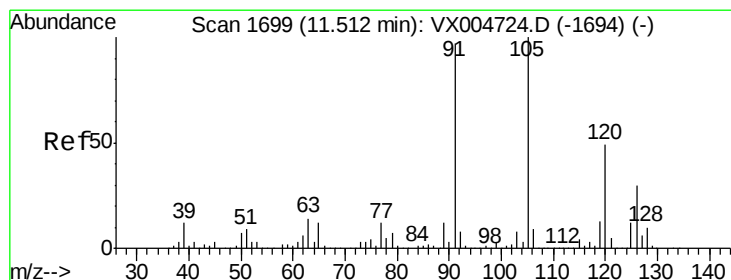
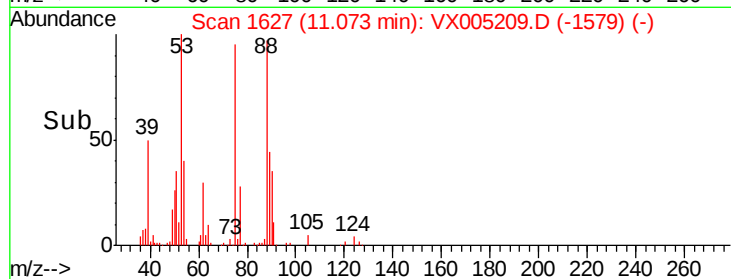
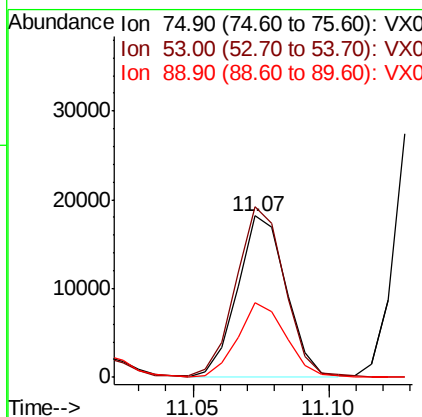
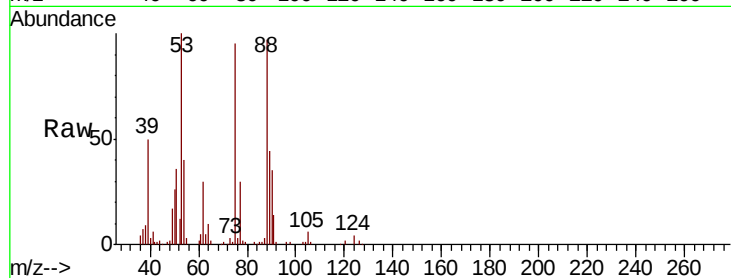




#81
trans-1,4-Dichloro-2-butene
Concen: 16.667 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

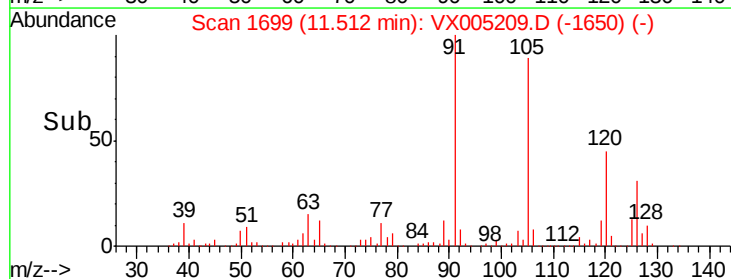
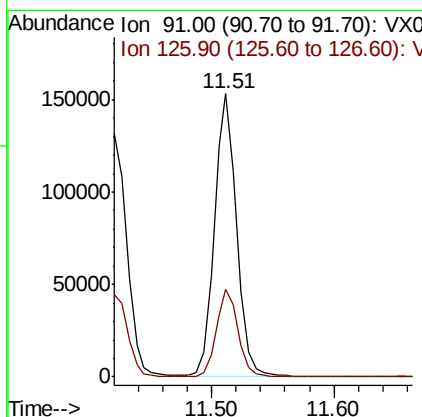
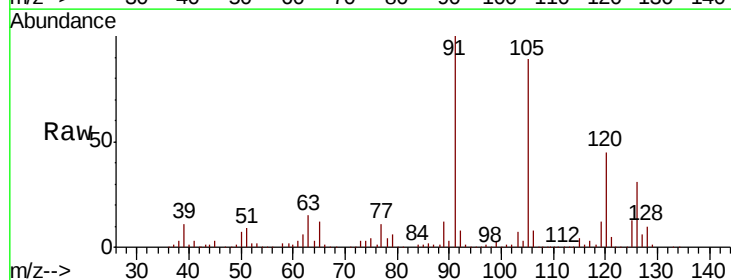
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tot Ion: 75 Resp: 22299
Ion Ratio Lower Upper
75 100
53 106.9 80.2 120.4
89 46.7 37.1 55.7



#82
4-Chlorotoluene
Concen: 20.524 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 91 Resp: 193296
Ion Ratio Lower Upper
91 100
126 30.6 15.5 46.5

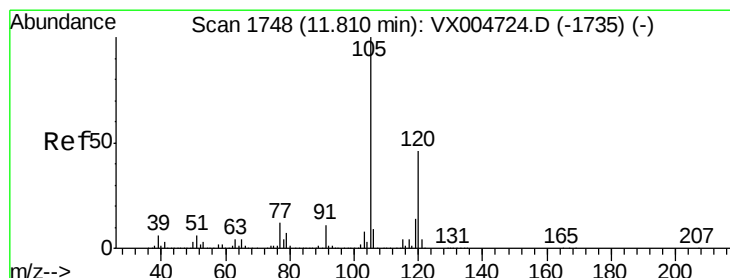
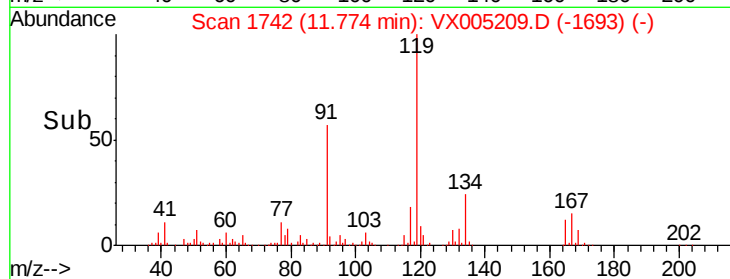
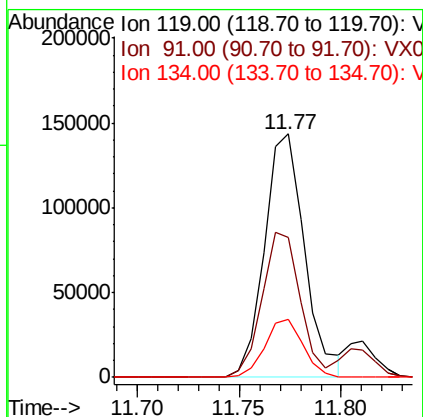
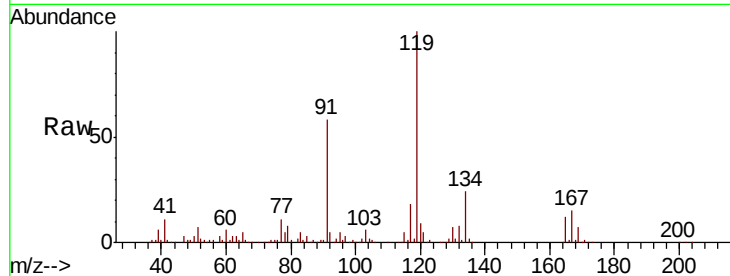




#83
tert-Butylbenzene
Concen: 21.419 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

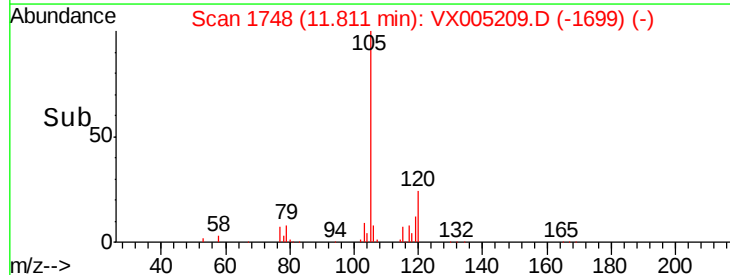
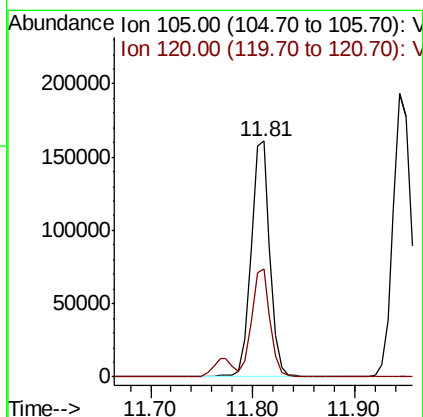
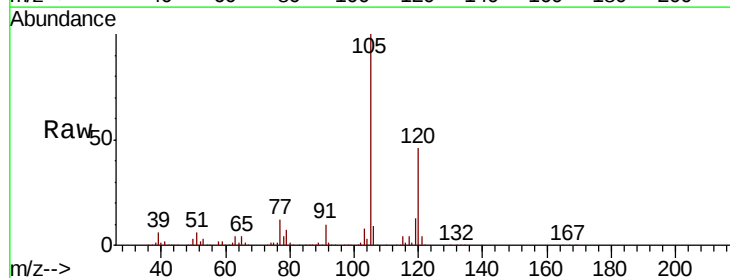
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

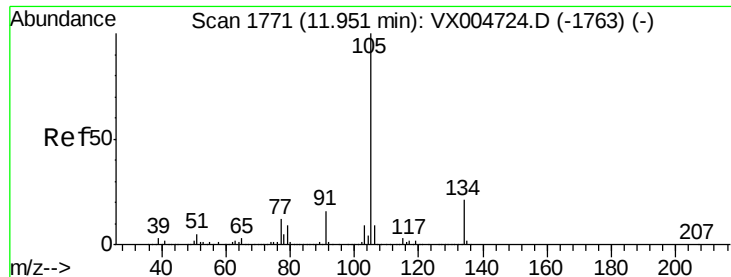
Tot Ion:119 Resp: 197290
Ion Ratio Lower Upper
119 100
91 56.6 27.5 82.5
134 22.7 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 19.453 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:105 Resp: 206989
Ion Ratio Lower Upper
105 100
120 44.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 21.562 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

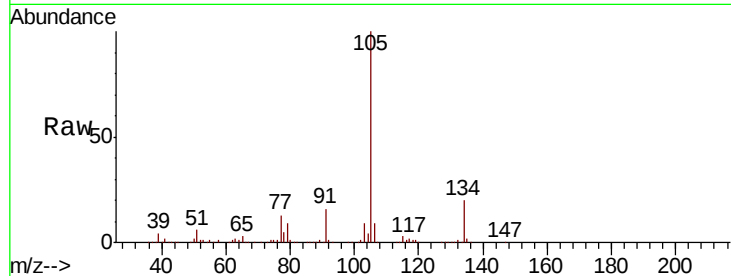
VX1010WBS01

Tot Ion:105 Resp: 241916

Ion Ratio Lower Upper

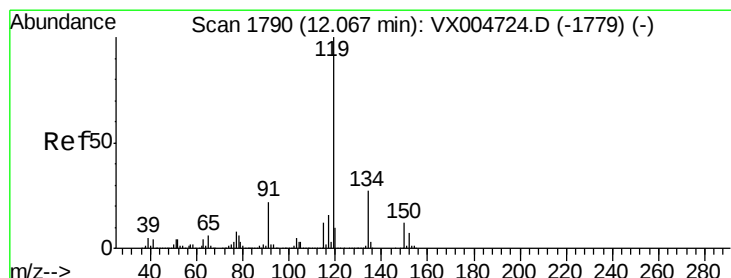
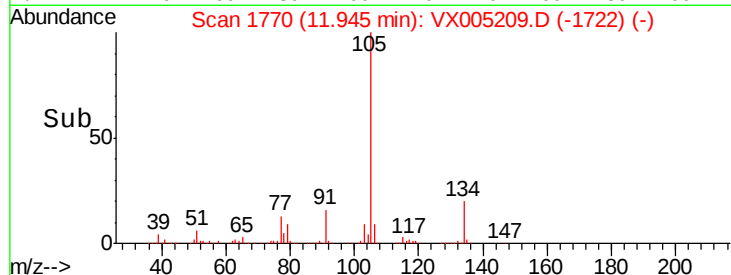
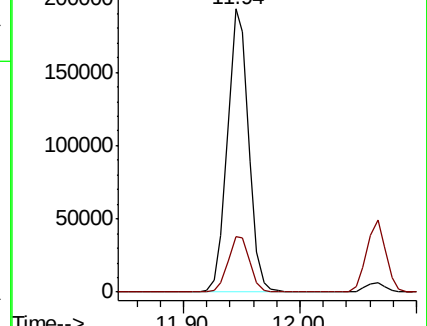
105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.421 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

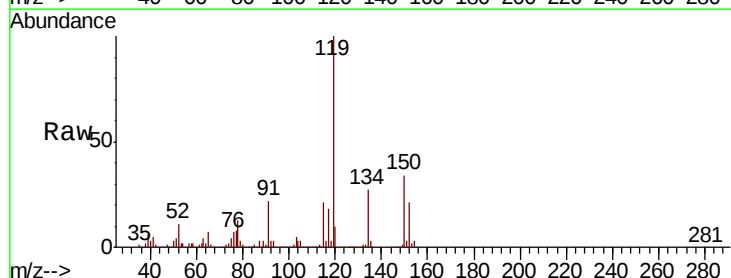
Tgt Ion:119 Resp: 217739

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

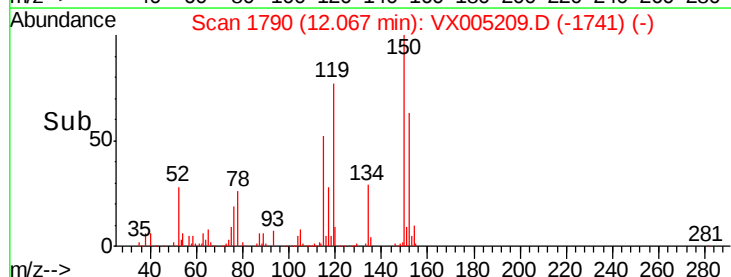
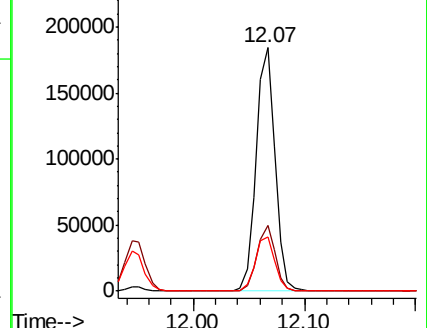
91 23.2 11.5 34.4



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: 19.478 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

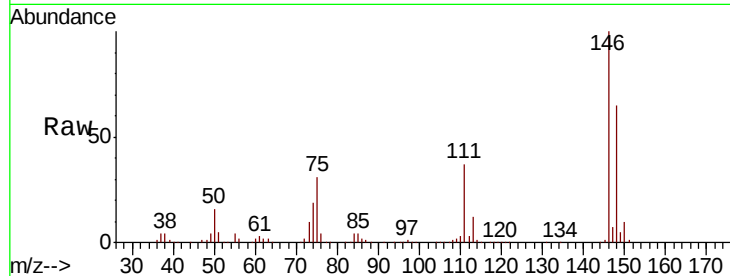
Tot Ion:146 Resp: 118190

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.9

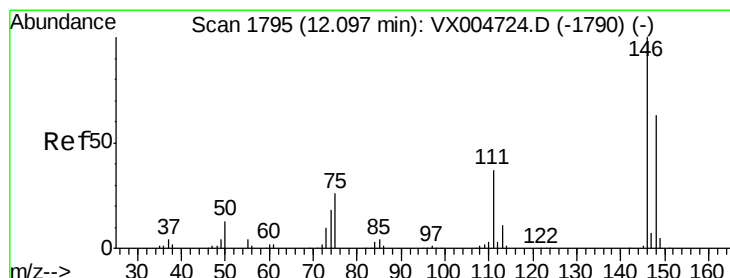
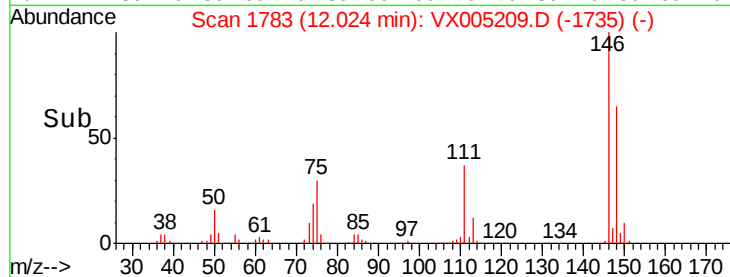
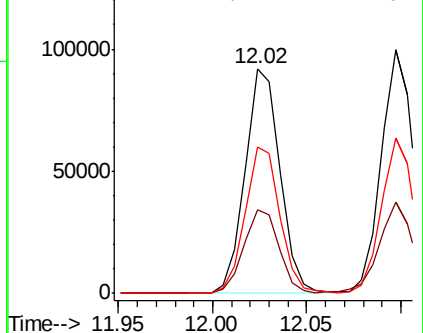
148 65.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.466 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

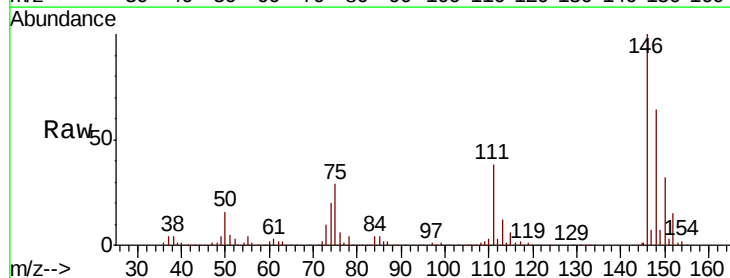
Tgt Ion:146 Resp: 121928

Ion Ratio Lower Upper

146 100

111 38.2 18.4 55.2

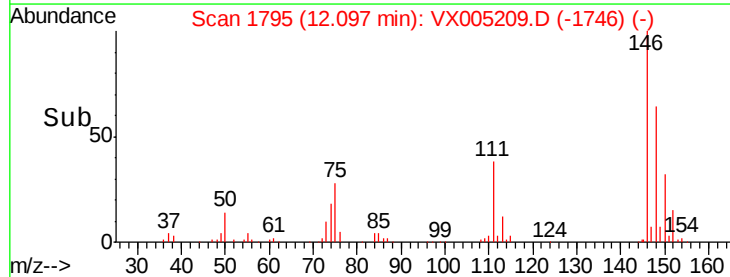
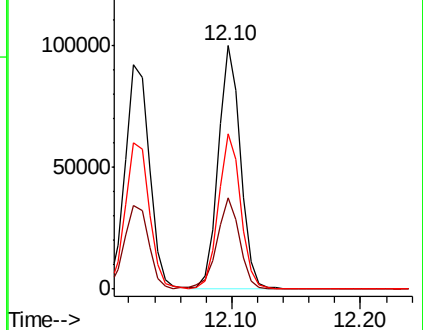
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

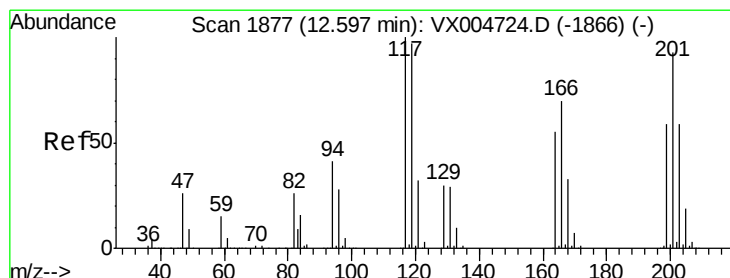
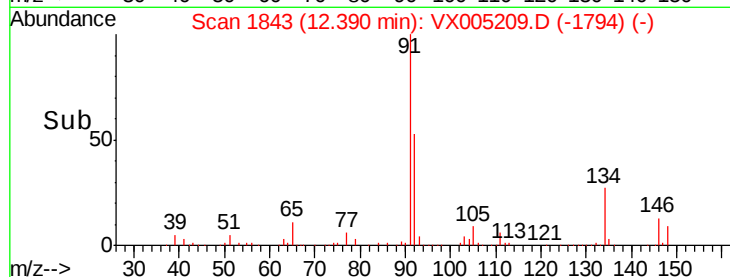
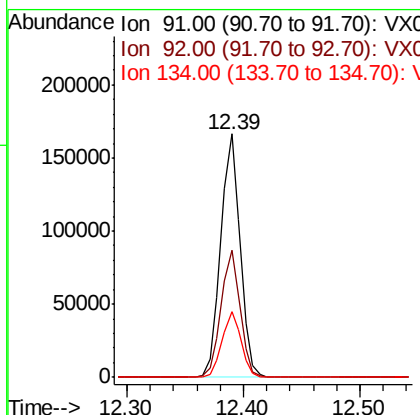
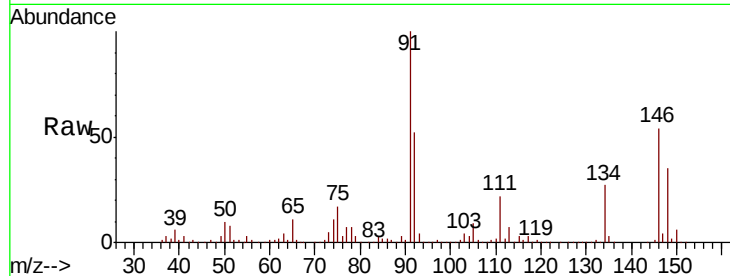




#89
n-Butylbenzene
Concen: 20.631 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

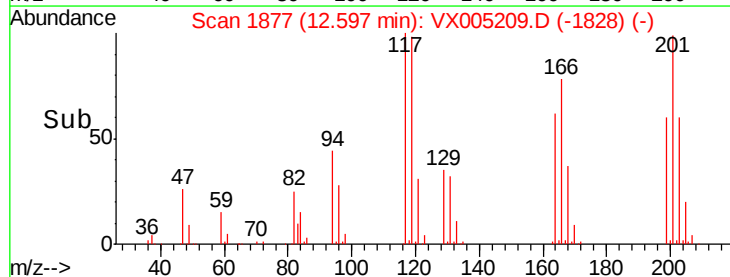
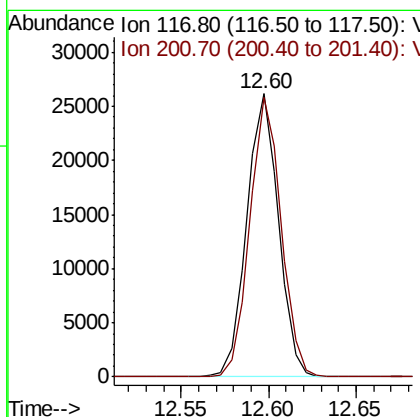
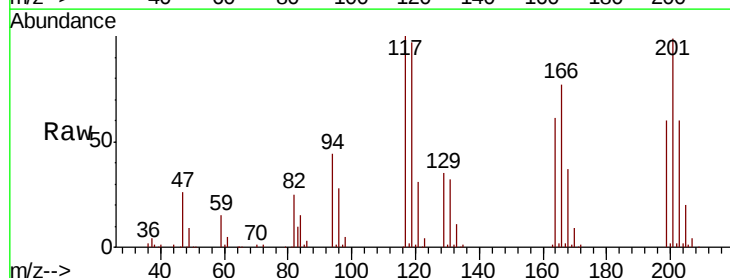
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tot Ion: 91 Resp: 190461
Ion Ratio Lower Upper
91 100
92 51.6 26.0 78.0
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 19.444 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 117 Resp: 32908
Ion Ratio Lower Upper
117 100
201 97.7 48.4 145.0

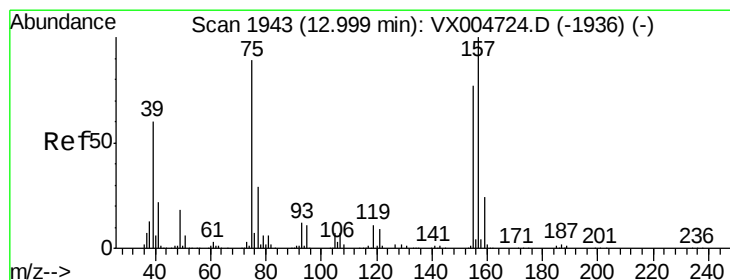
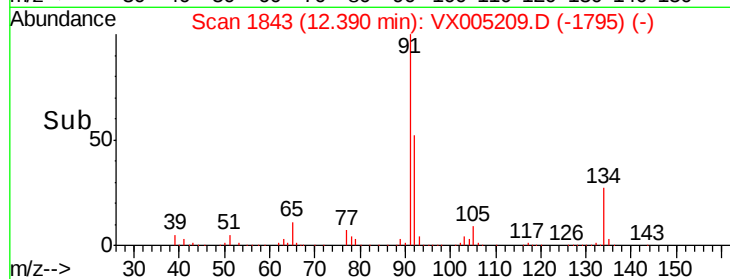
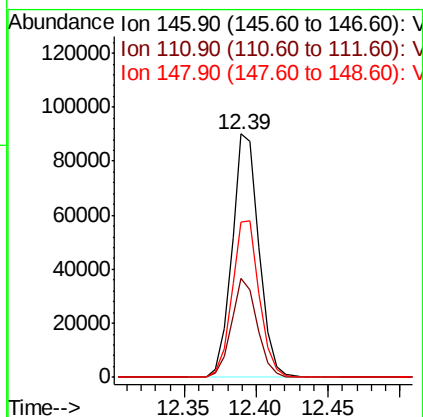
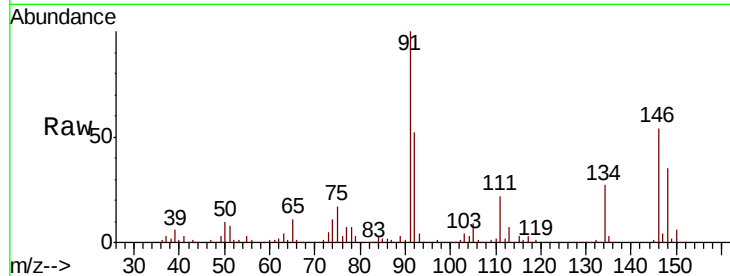




#91
 1,2-Dichlorobenzene
 Concen: 18.612 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

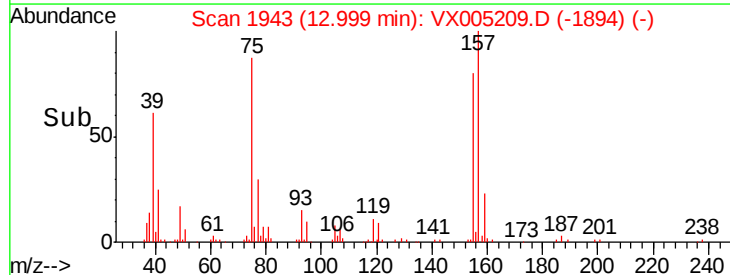
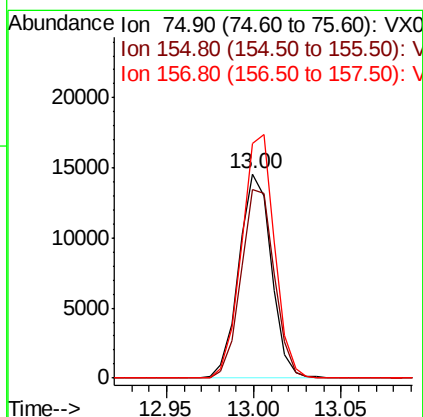
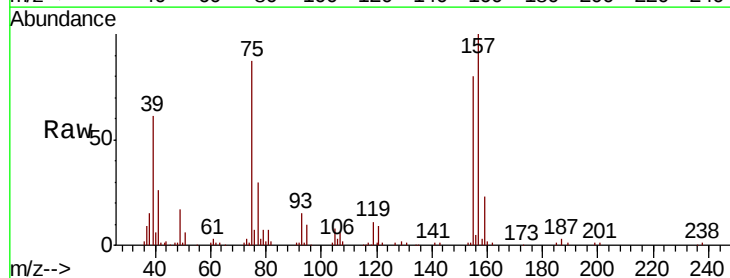
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

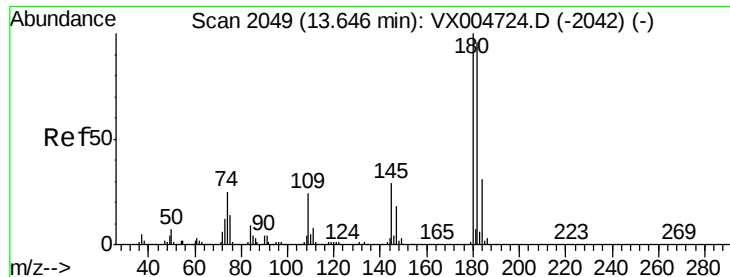
Tot Ion:146 Resp: 118022
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.7
 148 64.9 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.772 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 75 Resp: 18771
 Ion Ratio Lower Upper
 75 100
 155 94.5 46.1 138.3
 157 120.4 60.2 180.6

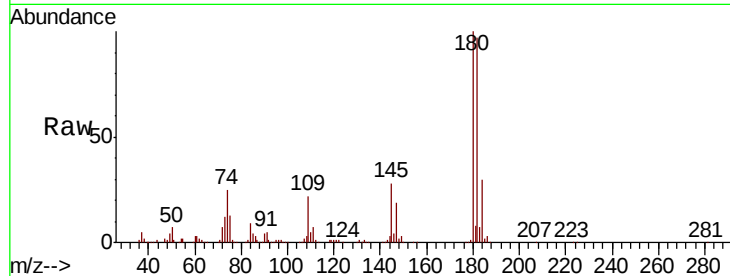




#93
 1,2,4-Trichlorobenzene
 Concen: 19.840 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.4
145	28.2	14.1	42.4

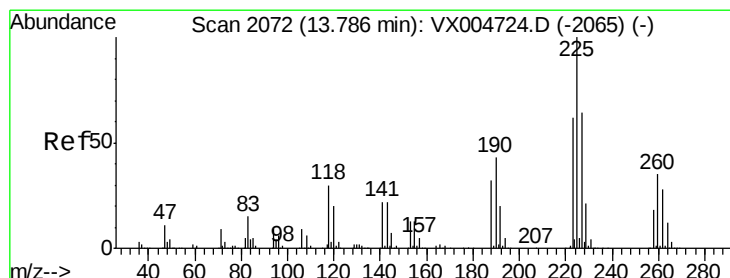
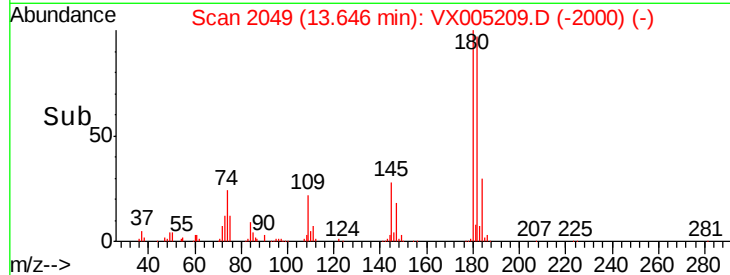
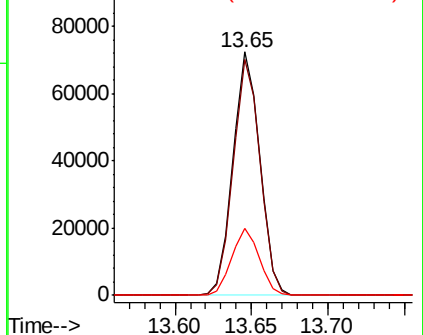


Abundance

Ion 179.80 (179.50 to 180.50): V

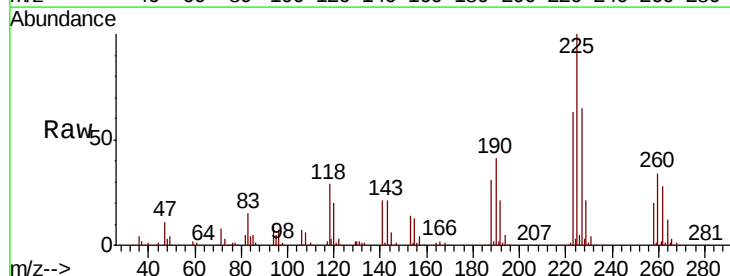
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.999 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.3	93.8
227	64.9	31.9	95.5

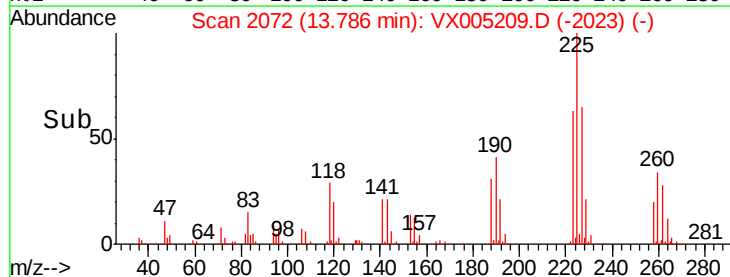
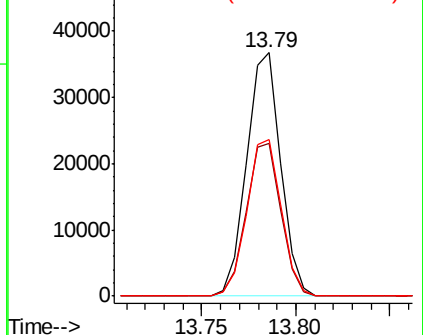


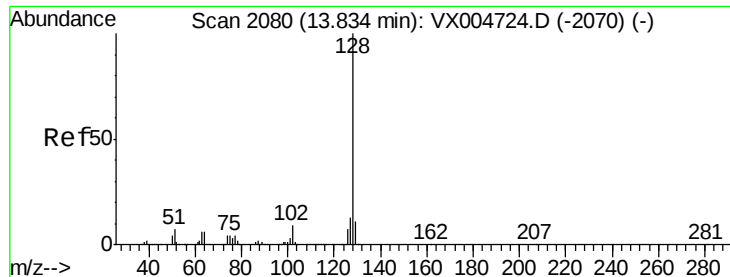
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

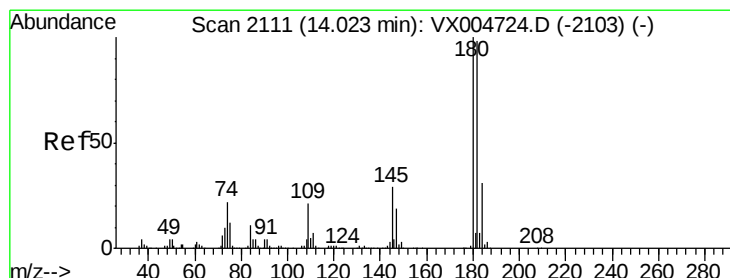
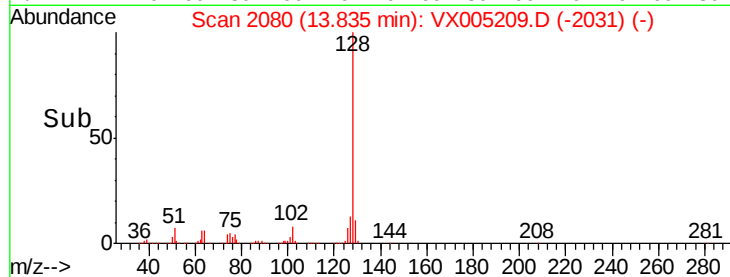
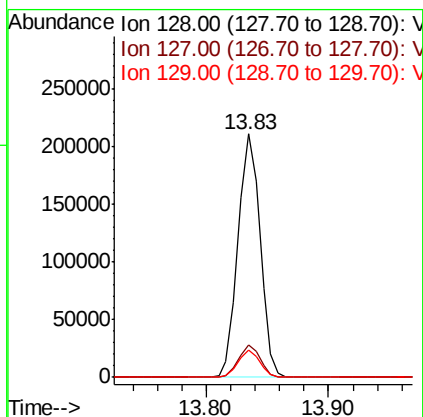
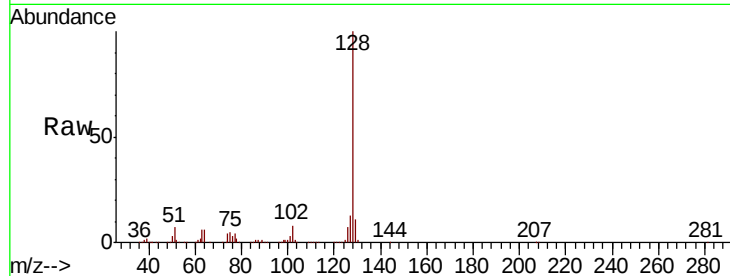




#95
Naphthalene
Concen: 18.296 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampled :
VX1010WBS01

Tot Ion:128 Resp: 263281
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.871 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:180 Resp: 91310
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.8
145 29.7 15.0 45.0

