

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005310.D
 Acq On : 12 Oct 2018 23:38
 Operator : JC/MD
 Sample : VX1012WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Quant Time: Oct 13 02:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	140454	49.39	ug/l	-0.01
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	115958	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	8.71	98	409976	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.14	95	147083	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	41480	20.706	ug/l	98
3) Chloromethane	1.32	50	60394	20.806	ug/l	99
4) Vinyl Chloride	1.40	62	63931	21.742	ug/l	93
5) Bromomethane	1.64	94	33613	20.588	ug/l	92
6) Chloroethane	1.72	64	37612	20.633	ug/l	100
7) Trichlorofluoromethane	1.93	101	85315	21.742	ug/l	91
8) Diethyl Ether	2.19	74	34451	20.560	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45836	20.238	ug/l	93
10) Methyl Iodide	2.51	142	50722	21.897	ug/l	99
11) Tert butyl alcohol	3.07	59	82772	103.192	ug/l	98
12) 1,1-Dichloroethene	2.37	96	47319	21.087	ug/l #	84
13) Acrolein	2.29	56	47668	91.760	ug/l	91
14) Allyl chloride	2.73	41	95246	19.333	ug/l	96
15) Acrylonitrile	3.15	53	171213	94.194	ug/l	95
16) Acetone	2.45	43	158325	96.299	ug/l	94
17) Carbon Disulfide	2.57	76	148465	21.840	ug/l	97
18) Methyl Acetate	2.78	43	97962	20.944	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	164105	20.765	ug/l	96
20) Methylene Chloride	2.85	84	56903	23.048	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	50731	20.400	ug/l	94
22) Diisopropyl ether	3.87	45	171632	20.741	ug/l #	86
23) Vinyl Acetate	3.82	43	745588	103.087	ug/l	97
24) 1,1-Dichloroethane	3.70	63	97629	20.586	ug/l	97
25) 2-Butanone	4.70	43	250155	103.992	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	54787	15.447	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	52950	19.592	ug/l	92
28) Bromochloromethane	5.02	49	47133	21.801	ug/l	87
29) Tetrahydrofuran	5.15	42	156623	102.074	ug/l	92
30) Chloroform	5.22	83	91878	20.872	ug/l	92
31) Cyclohexane	5.58	56	80494	20.593	ug/l #	87
32) 1,1,1-Trichloroethane	5.49	97	75937	19.826	ug/l	98
36) 1,1-Dichloropropene	5.80	75	64808	19.161	ug/l	97
37) Ethyl Acetate	4.85	43	87693	20.161	ug/l	98
38) Carbon Tetrachloride	5.78	117	65761	19.351	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005310.D
 Acq On : 12 Oct 2018 23:38
 Operator : JC/MD
 Sample : VX1012WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Quant Time: Oct 13 02:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66764	18.239	ug/l	95
40) Benzene	6.15	78	196986	19.415	ug/l	99
41) Methacrylonitrile	5.05	41	48898	20.970	ug/l	98
42) 1,2-Dichloroethane	6.20	62	71852	20.056	ug/l	98
43) Isopropyl Acetate	6.47	43	123554	21.324	ug/l	94
44) Trichloroethene	7.21	130	50894	19.263	ug/l	98
45) 1,2-Dichloropropane	7.52	63	49624	19.939	ug/l	98
46) Dibromomethane	7.66	93	31983	19.471	ug/l	99
47) Bromodichloromethane	7.90	83	60221	19.820	ug/l	98
48) Methyl methacrylate	7.77	41	58539	19.480	ug/l	95
49) 1,4-Dioxane	7.75	88	27431	395.761	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	406272	101.267	ug/l	94
52) Toluene	8.79	92	115655	20.836	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	62098	18.885	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	69483	19.502	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	48740	20.731	ug/l	97
56) Ethyl methacrylate	9.18	69	68493	19.984	ug/l	95
57) 1,3-Dichloropropane	9.37	76	79792	20.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	213046	110.839	ug/l	95
59) 2-Hexanone	9.49	43	316538	98.085	ug/l	93
60) Dibromochloromethane	9.59	129	48418	19.923	ug/l	99
61) 1,2-Dibromoethane	9.67	107	49653	20.124	ug/l	99
64) Tetrachloroethene	9.34	164	52855	19.960	ug/l	98
65) Chlorobenzene	10.14	112	129484	18.506	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	47184	18.924	ug/l	99
67) Ethyl Benzene	10.25	91	214677	18.874	ug/l	97
68) m/p-Xylenes	10.36	106	169688	38.436	ug/l	96
69) o-Xylene	10.70	106	80762	18.968	ug/l	97
70) Styrene	10.71	104	135358	19.328	ug/l	97
71) Bromoform	10.86	173	39813	17.868	ug/l #	98
73) Isopropylbenzene	11.02	105	220118	20.086	ug/l	100
74) N-amyl acetate	10.90	43	98405	18.618	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	75981	18.380	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86588	24.216	ug/l	87
77) Bromobenzene	11.26	156	60767	19.394	ug/l	99
78) n-propylbenzene	11.36	91	249726	19.803	ug/l	100
79) 2-Chlorotoluene	11.42	91	152932	19.802	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	187481	19.978	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	19228	16.339	ug/l	96
82) 4-Chlorotoluene	11.51	91	178910	19.542	ug/l	100
83) tert-Butylbenzene	11.77	119	182586	19.214	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	193895	20.078	ug/l	99
85) sec-Butylbenzene	11.94	105	224044	19.922	ug/l	99
86) p-Isopropyltoluene	12.07	119	199474	19.624	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	112642	19.239	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	113296	18.915	ug/l	98
89) n-Butylbenzene	12.39	91	167631	18.163	ug/l	98
90) Hexachloroethane	12.60	117	31208	17.815	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	113518	18.999	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18295	18.143	ug/l	96

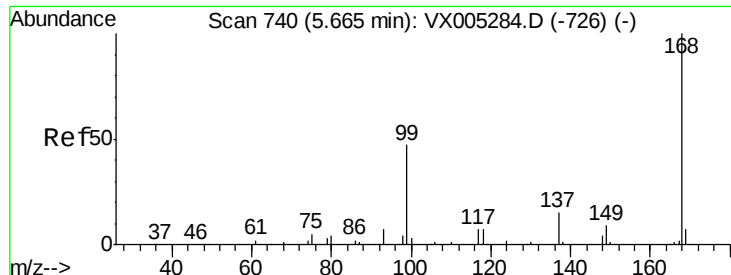
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101218\
Data File : VX005310.D
Acq On : 12 Oct 2018 23:38
Operator : JC/MD
Sample : VX1012WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Quant Time: Oct 13 02:40:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	82327	18.781	ug/l	99
94) Hexachlorobutadiene	13.79	225	43019	18.581	ug/l	97
95) Naphthalene	13.83	128	248705	19.563	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	85263	19.009	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

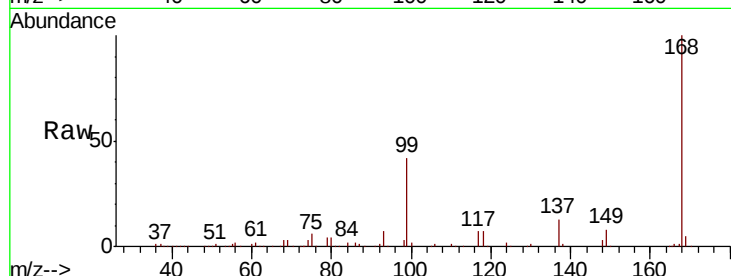
VX1012WBS02

Tot Ion:168 Resp: 256210

Ion Ratio Lower Upper

168 100

99 41.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

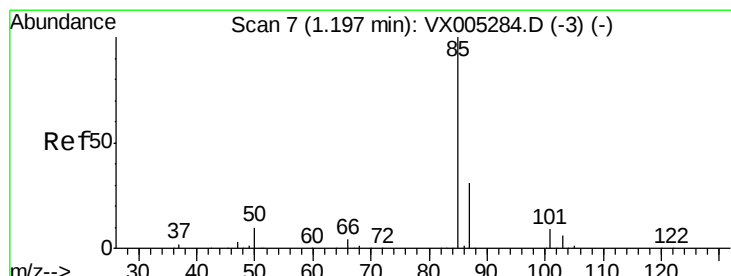
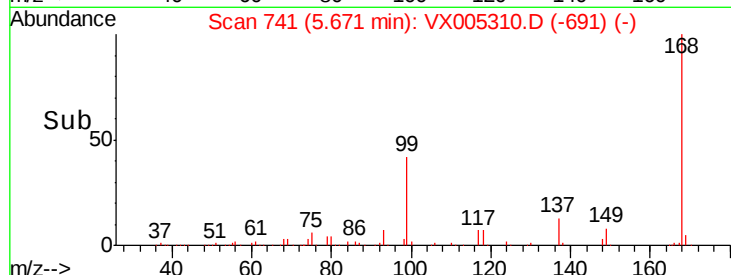
40000

20000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.706 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005310.D

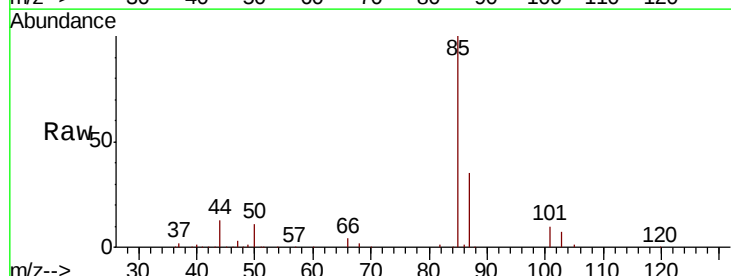
Acq: 12 Oct 2018 23:38

Tgt Ion: 85 Resp: 41480

Ion Ratio Lower Upper

85 100

87 35.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

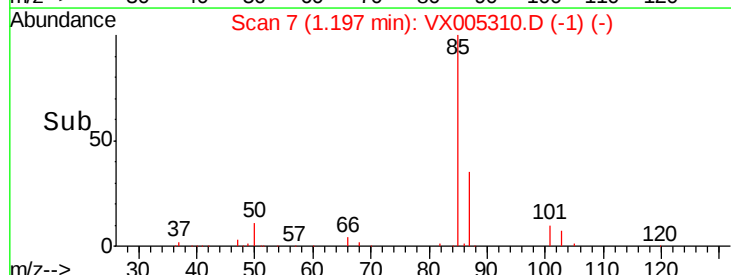
20000

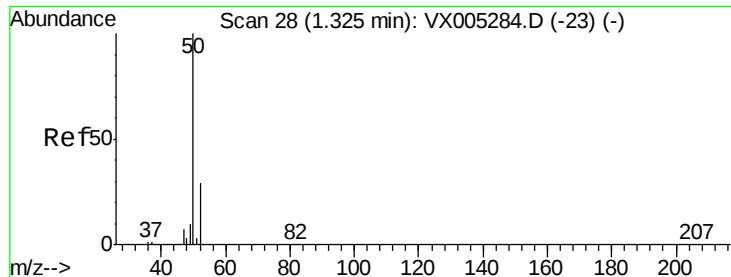
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.806 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

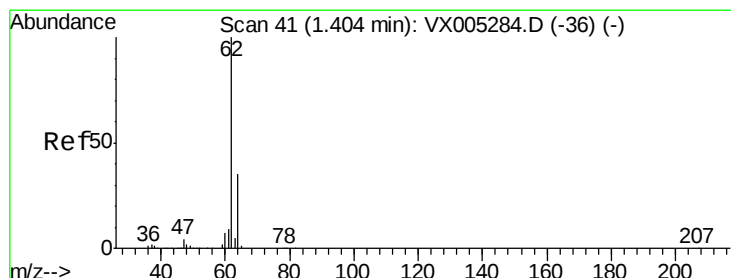
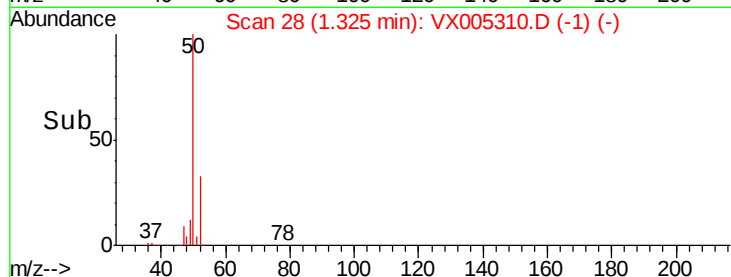
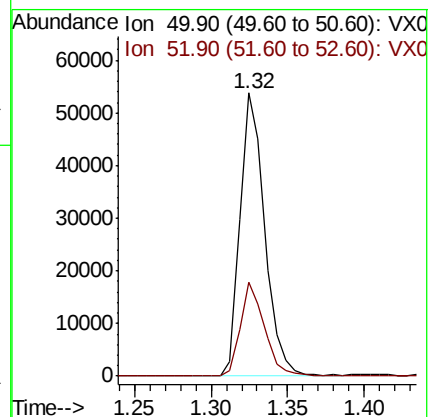
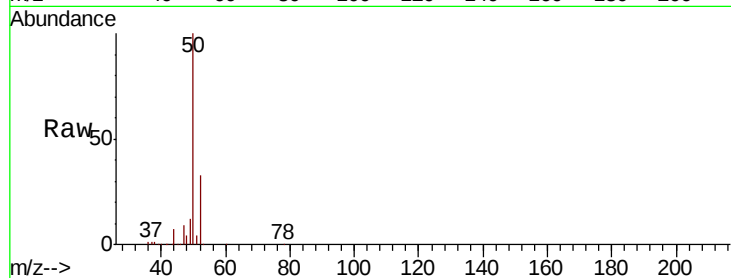
VX1012WBS02

Tot Ion: 50 Resp: 60394

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 21.742 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005310.D

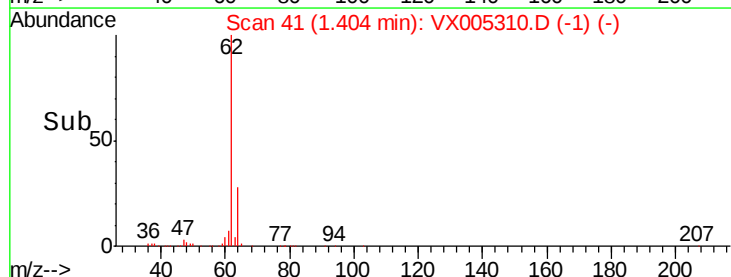
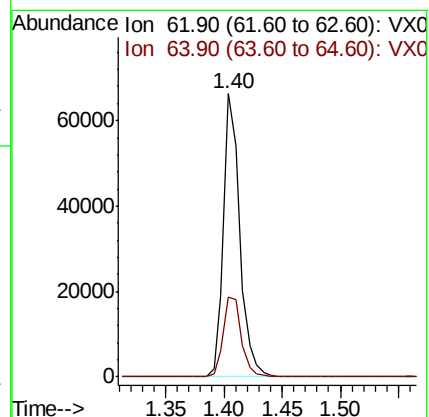
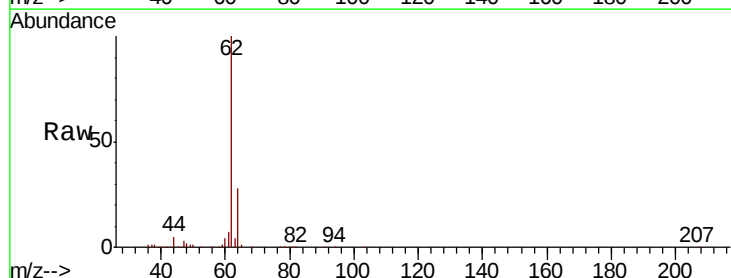
Acq: 12 Oct 2018 23:38

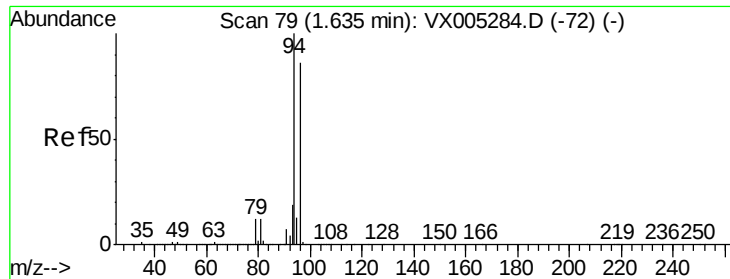
Tgt Ion: 62 Resp: 63931

Ion Ratio Lower Upper

62 100

64 28.4 25.8 38.8





#5

Bromomethane

Concen: 20.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

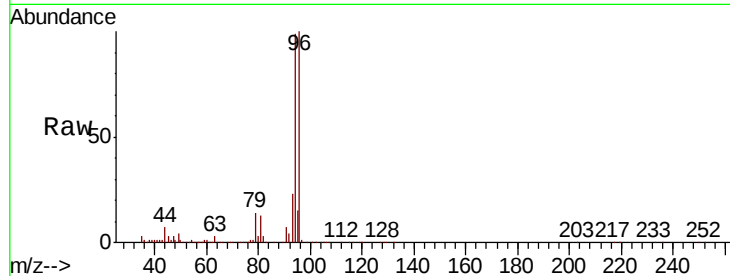
VX1012WBS02

Tot Ion: 94 Resp: 33613

Ion Ratio Lower Upper

94 100

96 100.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

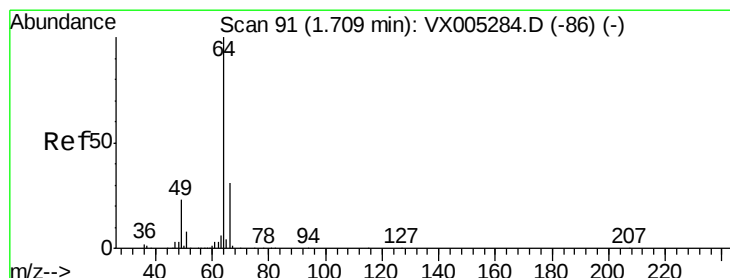
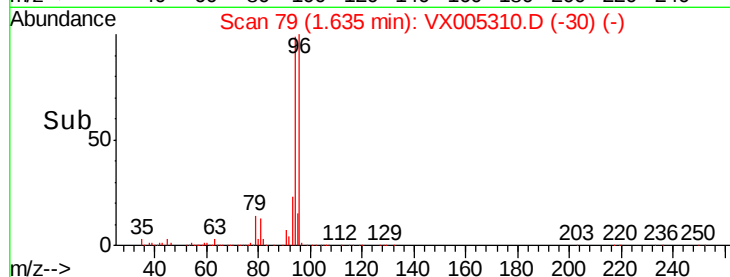
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 20.633 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005310.D

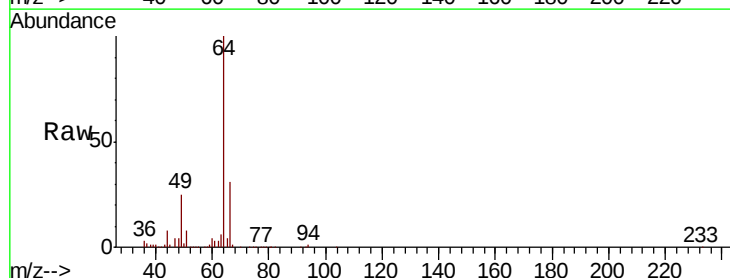
Acq: 12 Oct 2018 23:38

Tgt Ion: 64 Resp: 37612

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

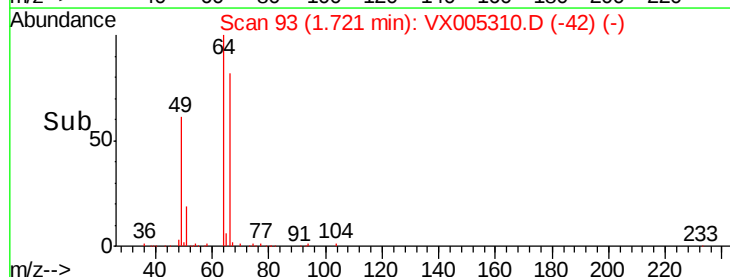
20000

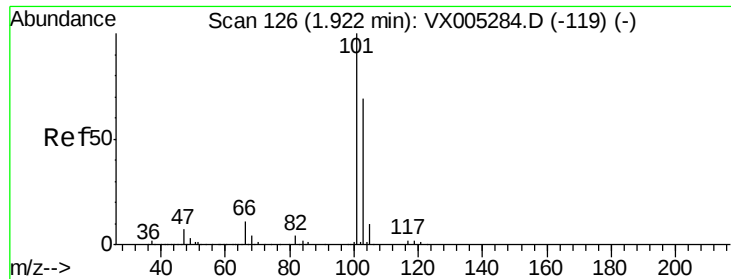
10000

0

1.65 1.70 1.75 1.80

Time-->



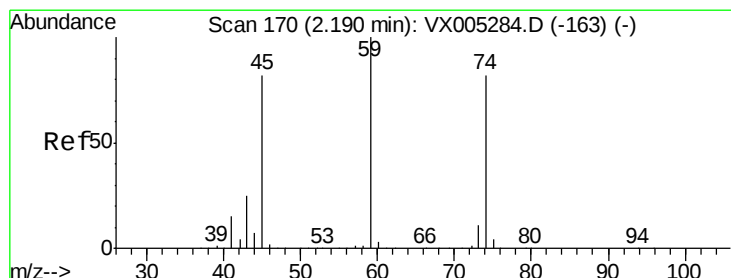
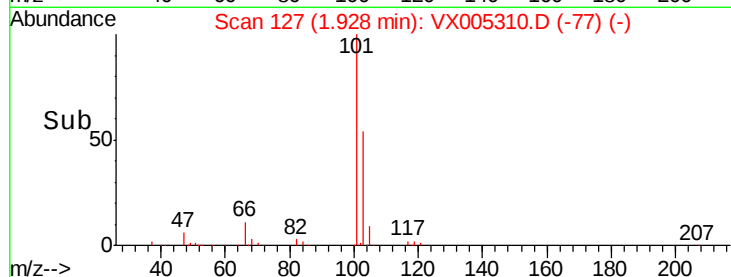
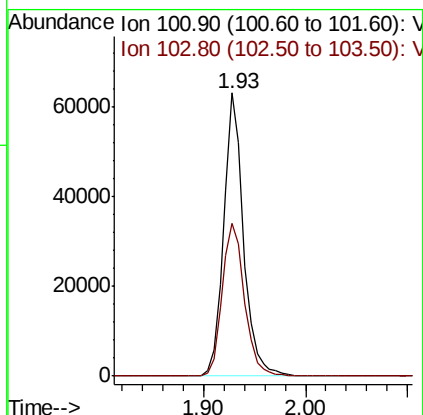
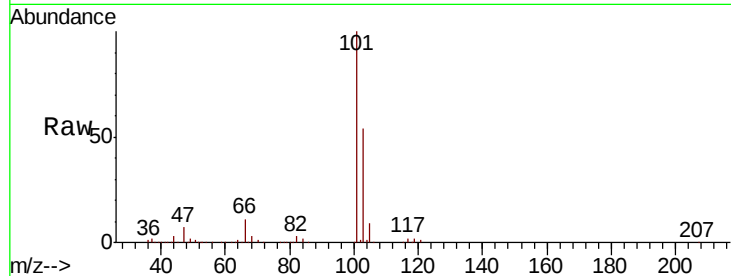


#7

Trichlorofluoromethane
 Concen: 21.742 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

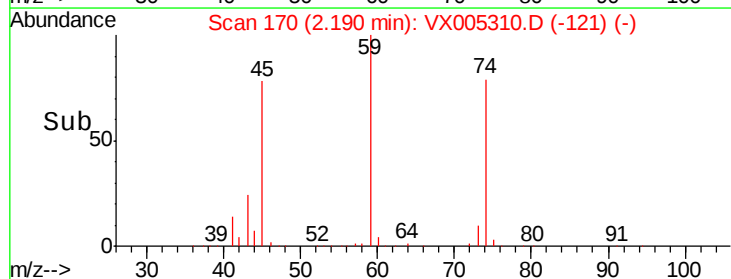
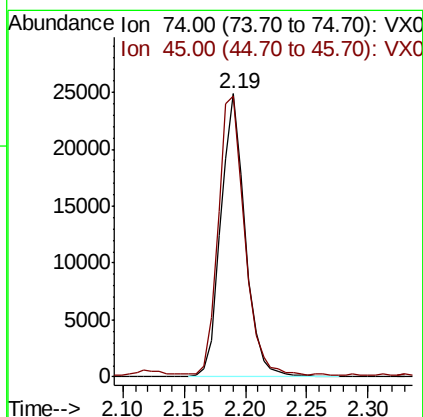
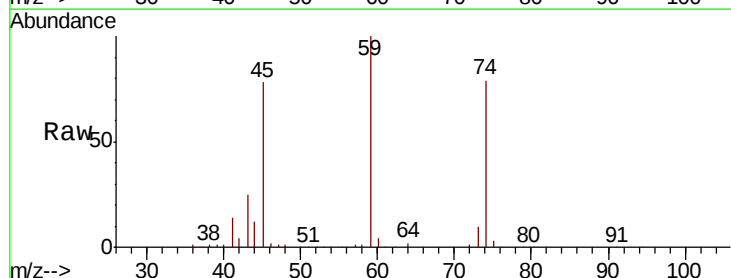
Tot Ion:101 Resp: 85315
 Ion Ratio Lower Upper
 101 100
 103 54.1 48.9 73.3

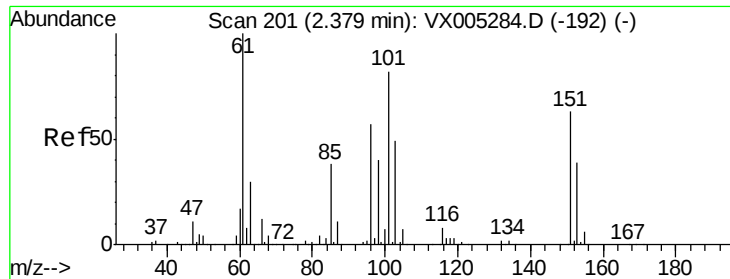


#8

Diethyl Ether
 Concen: 20.560 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 74 Resp: 34451
 Ion Ratio Lower Upper
 74 100
 45 106.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.238 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

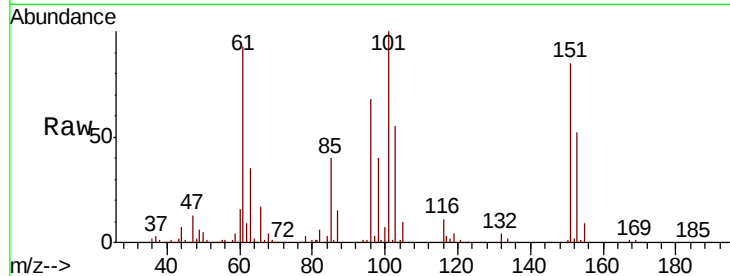
Tot Ion:101 Resp: 45836

Ion Ratio Lower Upper

101 100

85 44.8 34.2 51.4

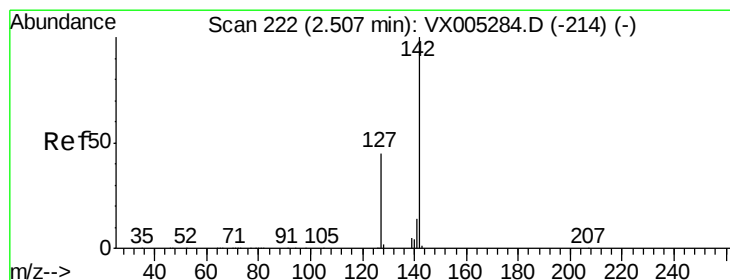
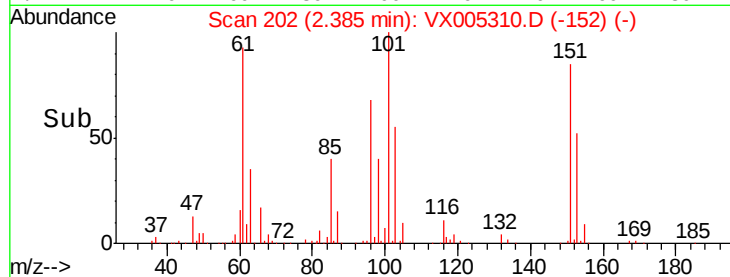
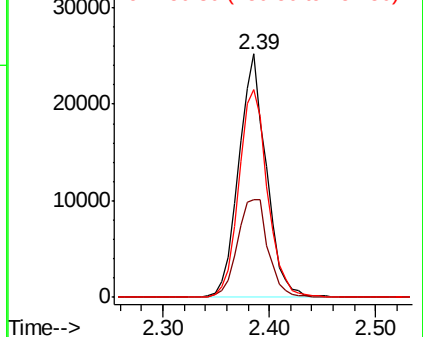
151 89.1 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.897 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

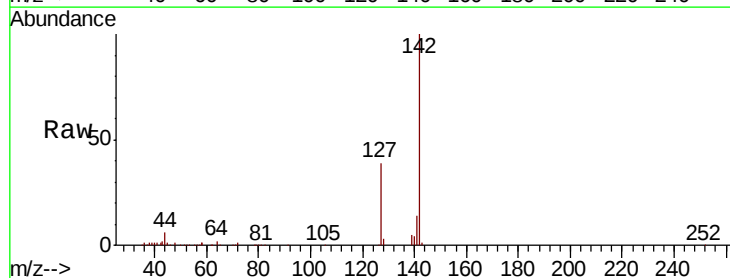
Tgt Ion:142 Resp: 50722

Ion Ratio Lower Upper

142 100

127 41.3 33.8 50.6

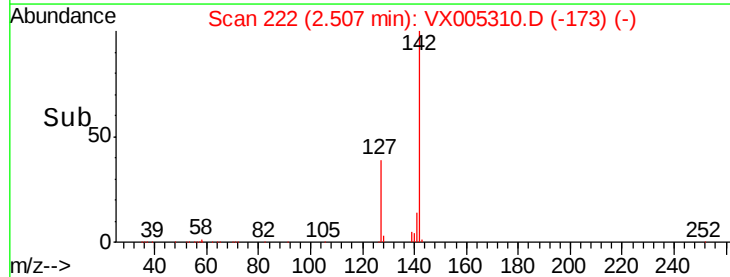
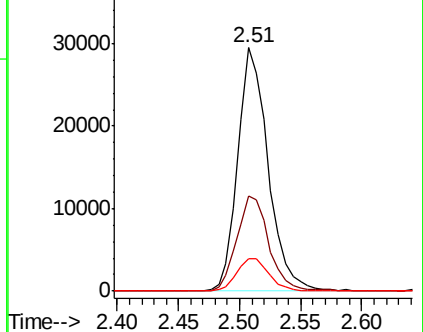
141 14.1 11.4 17.0

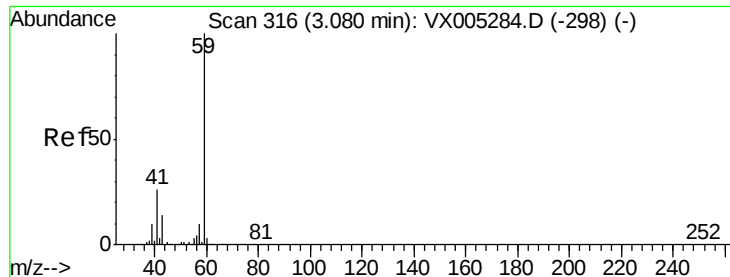


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



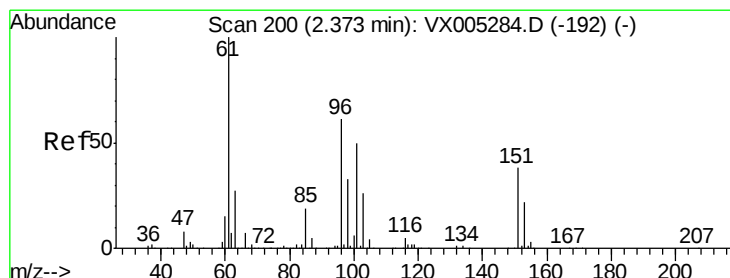
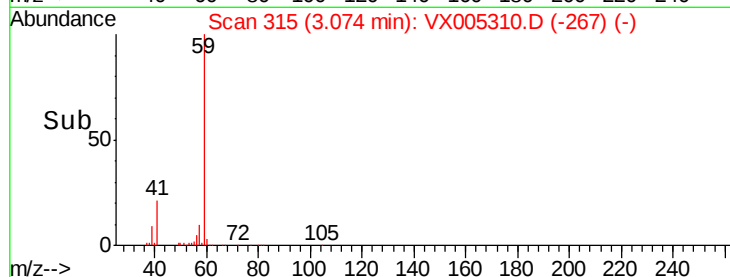
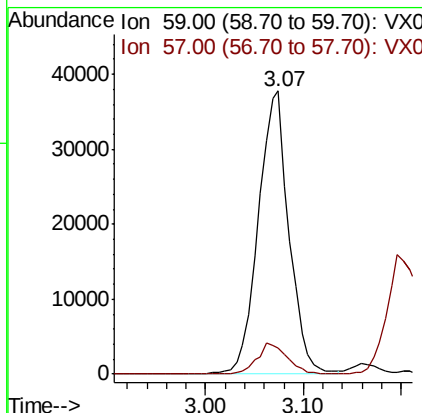
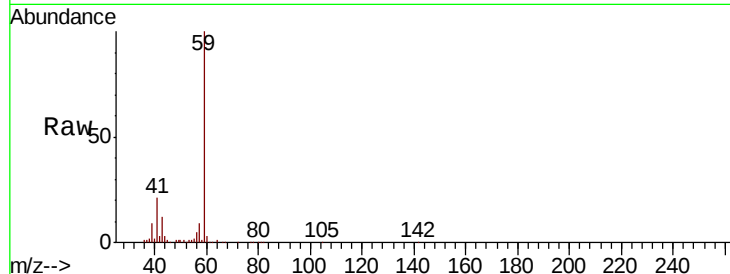


#11

Tert butyl alcohol
 Concen: 103.192 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

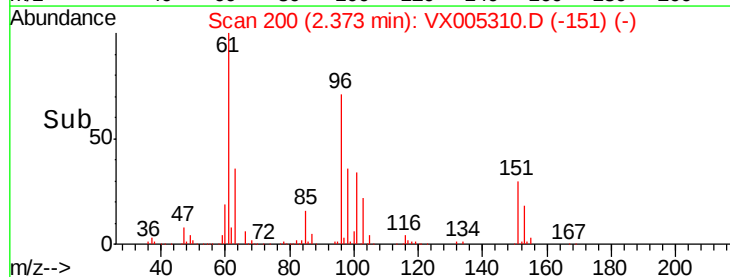
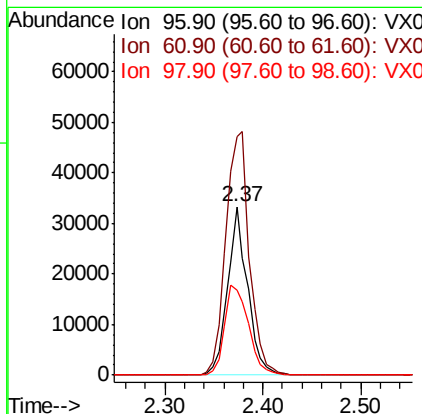
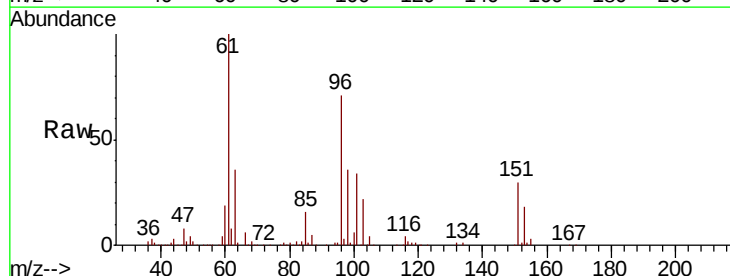
Tot Ion: 59 Resp: 82772
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.2 12.4

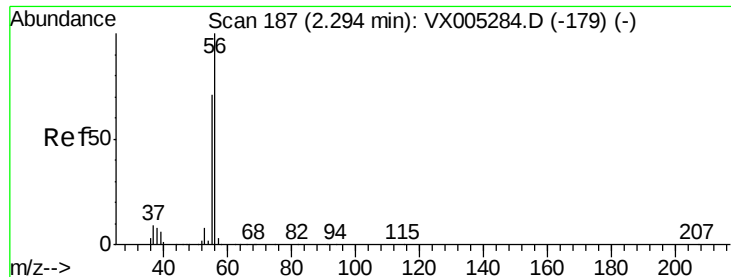


#12

1,1-Dichloroethene
 Concen: 21.087 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 96 Resp: 47319
 Ion Ratio Lower Upper
 96 100
 61 141.5 128.8 193.2
 98 50.5 52.2 78.2#





#13

Acrolein

Concen: 91.760 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

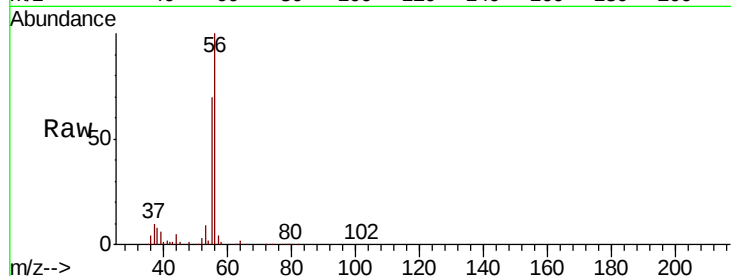
VX1012WBS02

Tot Ion: 56 Resp: 47668

Ion Ratio Lower Upper

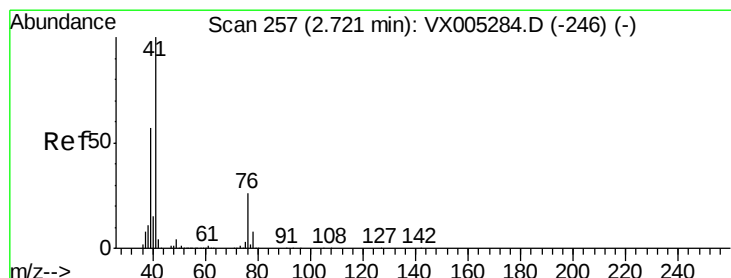
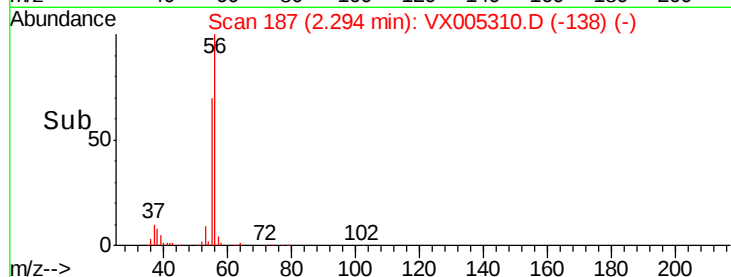
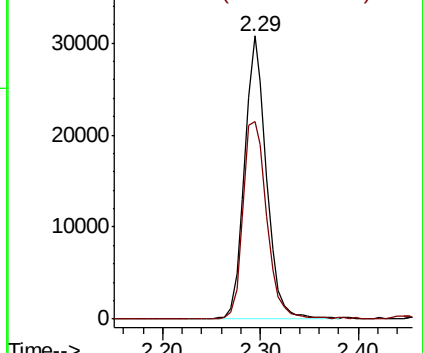
56 100

55 75.4 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.333 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

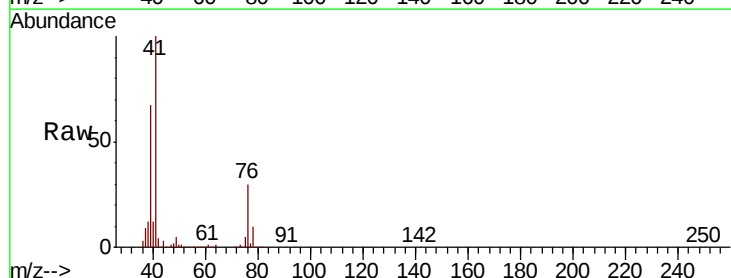
Tgt Ion: 41 Resp: 95246

Ion Ratio Lower Upper

41 100

39 62.6 48.9 73.3

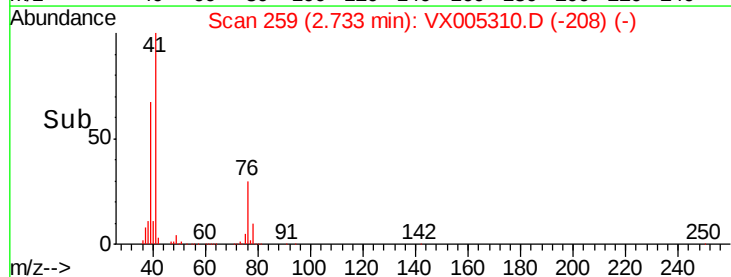
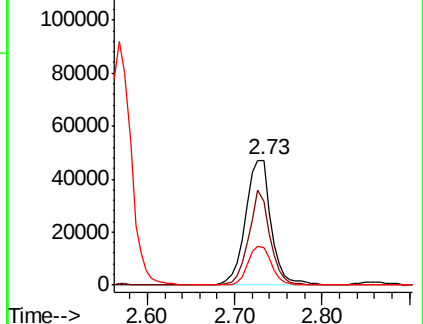
76 28.9 26.7 40.1

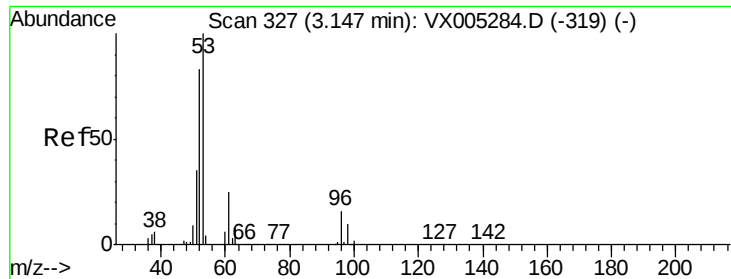


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 94.194 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

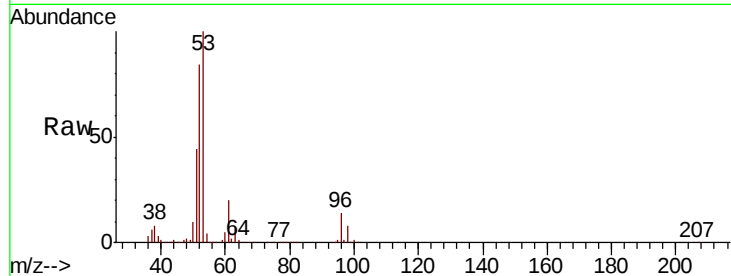
Tot Ion: 53 Resp: 171213

Ion Ratio Lower Upper

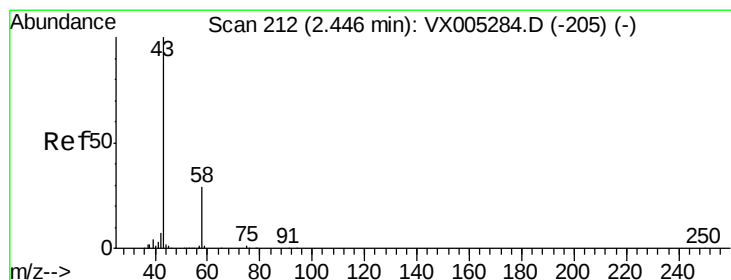
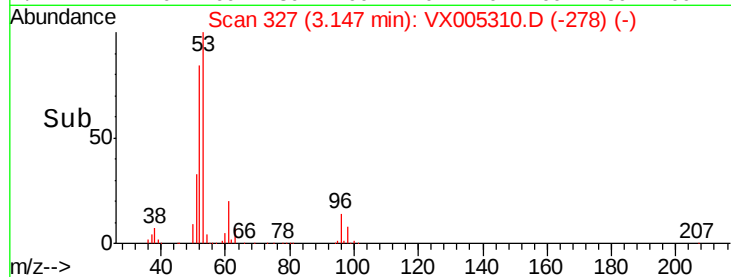
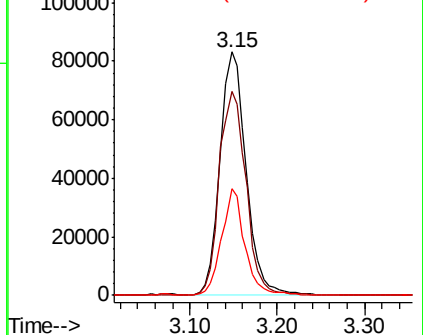
53 100

52 86.1 65.2 97.8

51 38.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 96.299 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005310.D

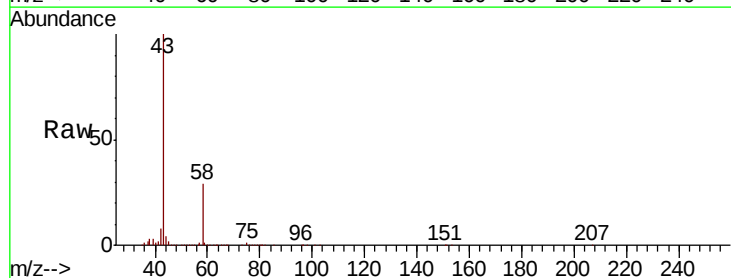
Acq: 12 Oct 2018 23:38

Tgt Ion: 43 Resp: 158325

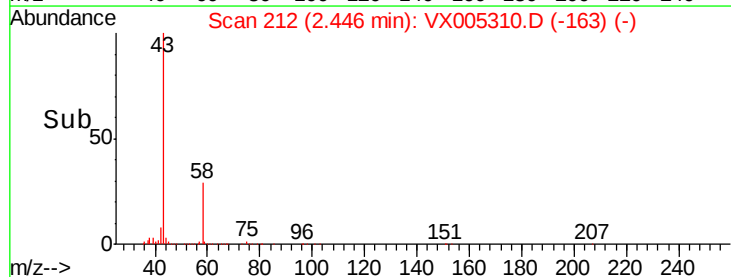
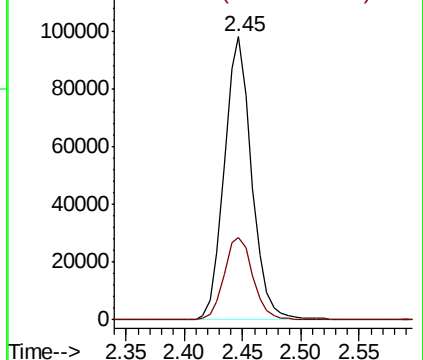
Ion Ratio Lower Upper

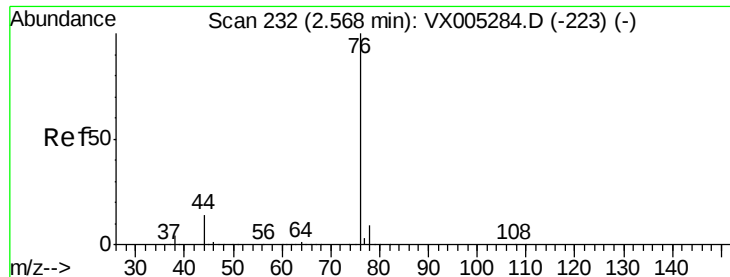
43 100

58 29.2 26.2 39.4



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

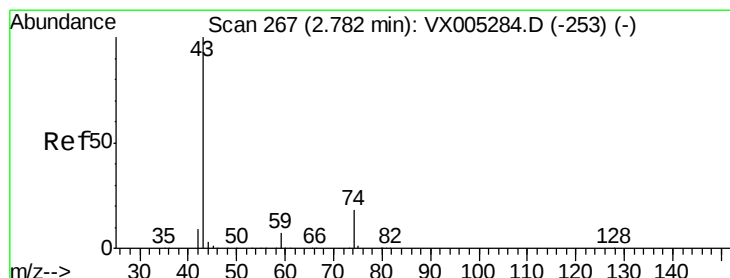
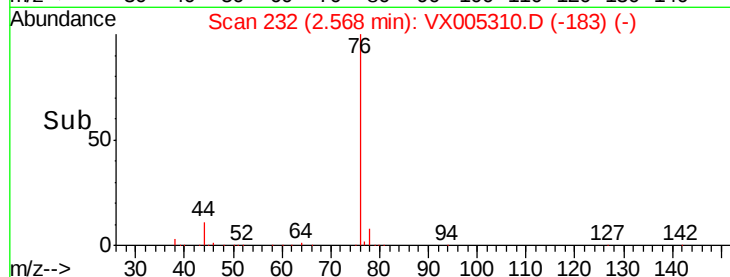
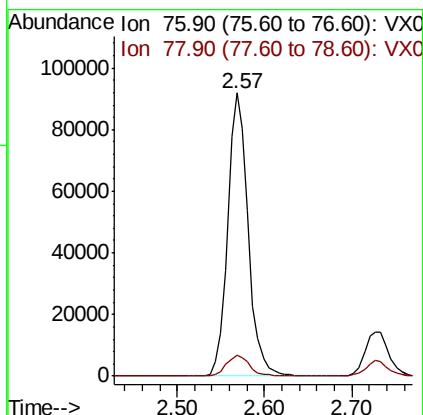
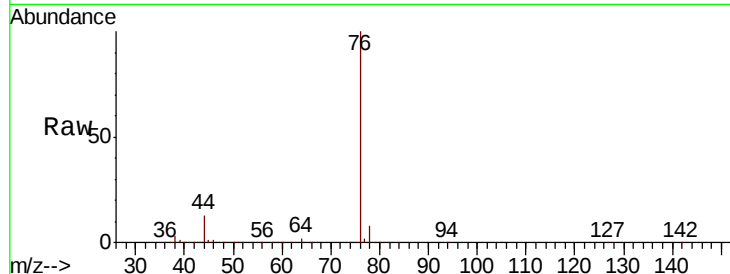




#17
Carbon Disulfide
Concen: 21.840 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

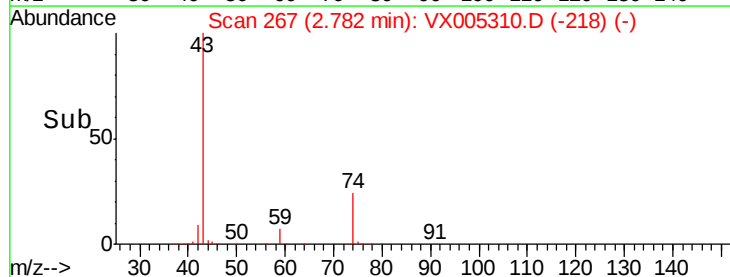
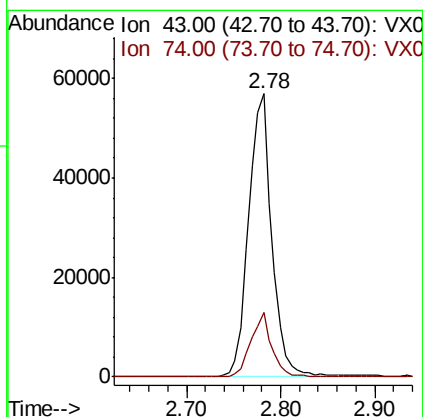
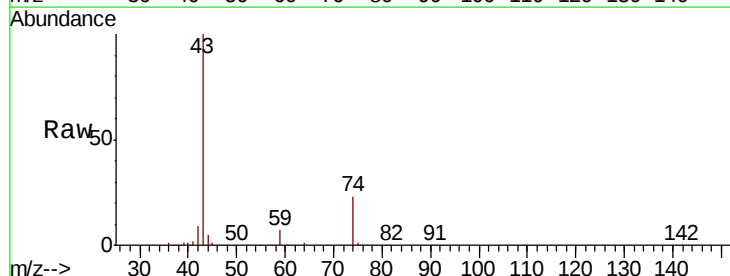
Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

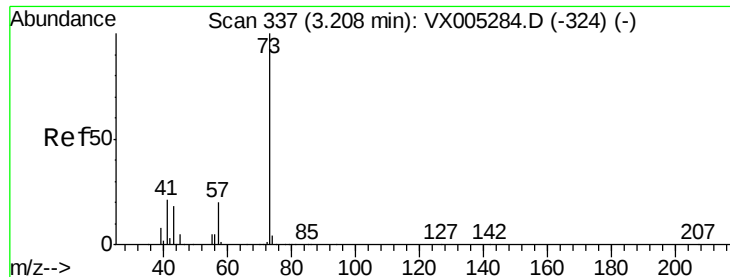
Tot Ion: 76 Resp: 148465
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.6



#18
Methyl Acetate
Concen: 20.944 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 43 Resp: 97962
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



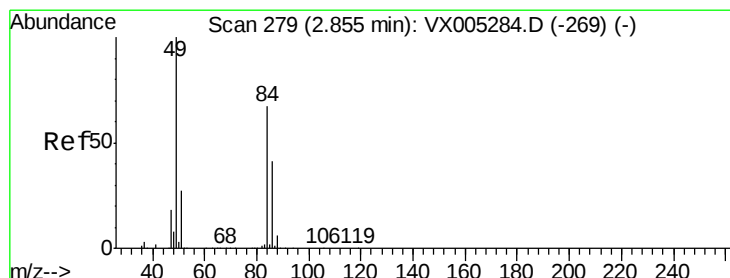
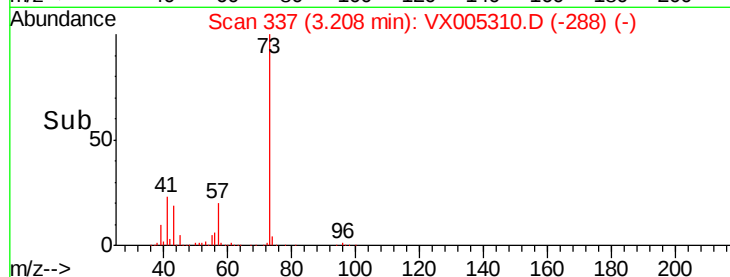
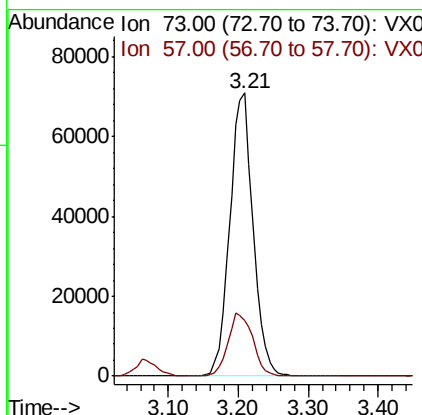
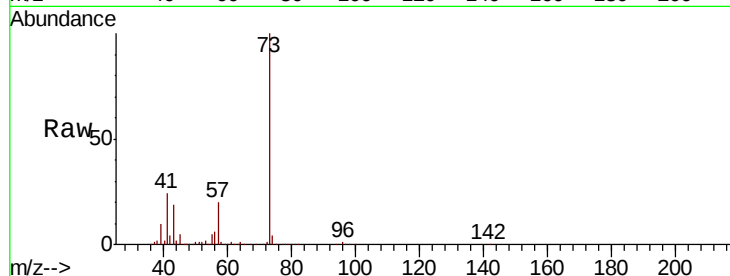


#19

Methyl tert-butyl Ether
 Concen: 20.765 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

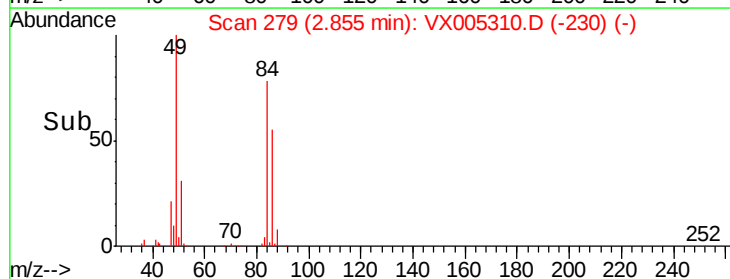
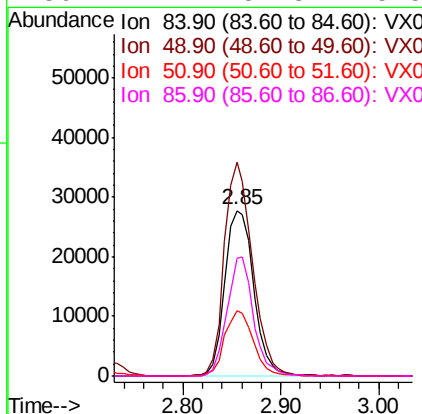
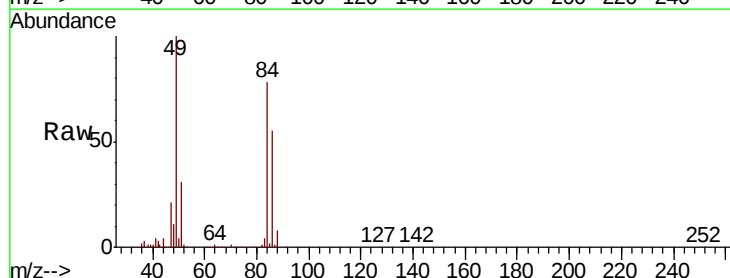
Tot Ion: 73 Resp: 164105
 Ion Ratio Lower Upper
 73 100
 57 19.6 17.1 25.7

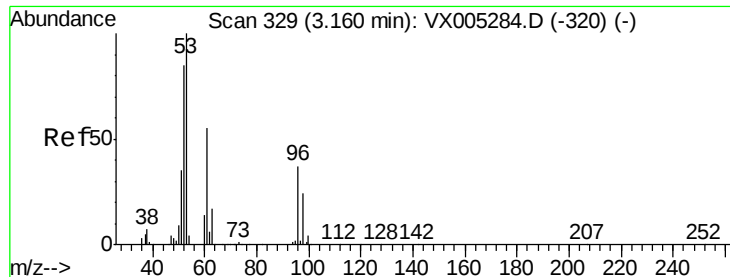


#20

Methylene Chloride
 Concen: 23.048 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 84 Resp: 56903
 Ion Ratio Lower Upper
 84 100
 49 128.9 101.2 151.8
 51 39.6 29.5 44.3
 86 71.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.400 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

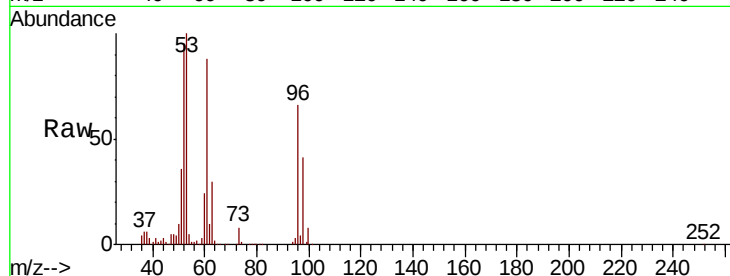
Tot Ion: 96 Resp: 50731

Ion Ratio Lower Upper

96 100

61 132.9 113.8 170.6

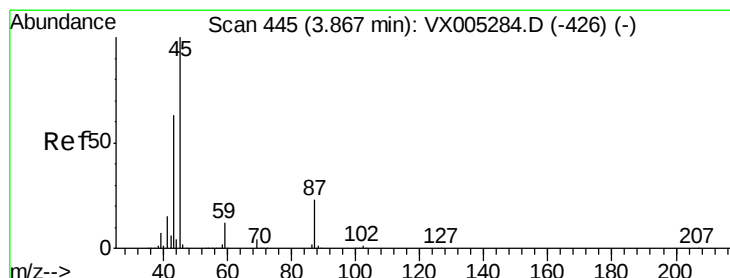
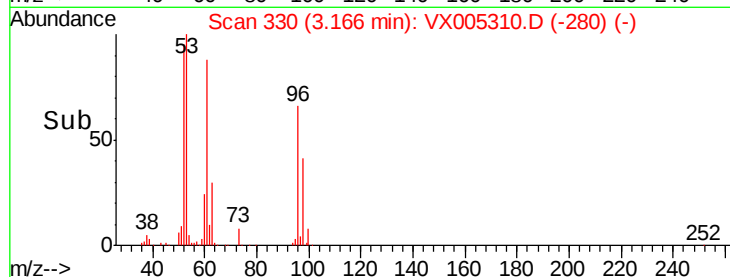
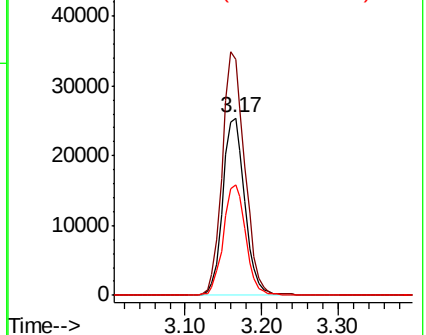
98 62.6 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.741 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion: 45 Resp: 171632

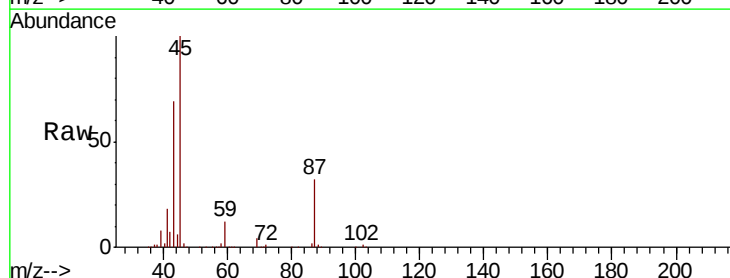
Ion Ratio Lower Upper

45 100

43 68.4 42.8 64.2#

87 32.4 22.6 34.0

59 11.6 9.6 14.4

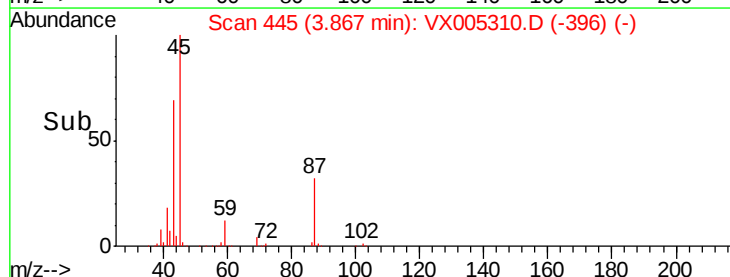
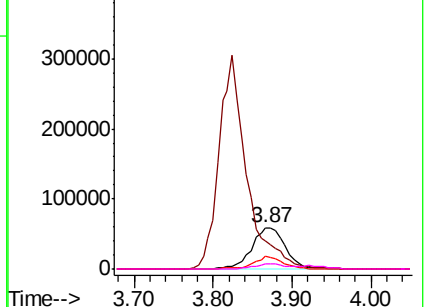


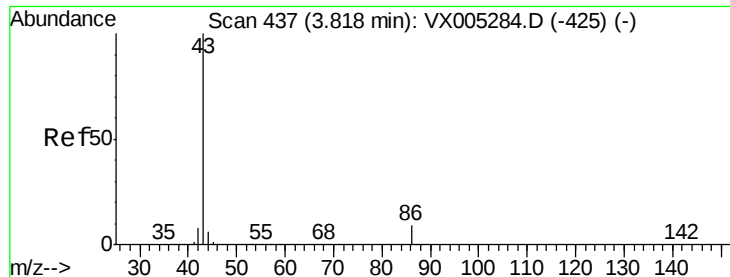
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 103.087 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

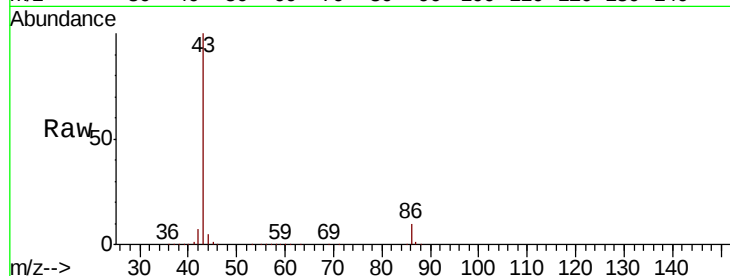
VX1012WBS02

Tot Ion: 43 Resp: 745588

Ion Ratio Lower Upper

43 100

86 9.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

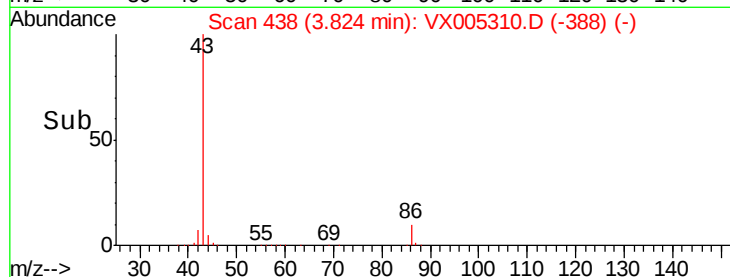
300000

200000

100000

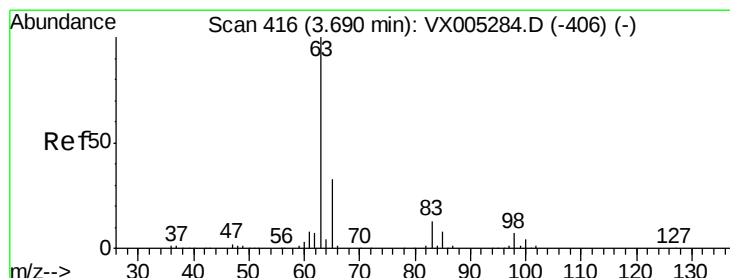
0

Time-->



3.82

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 20.586 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

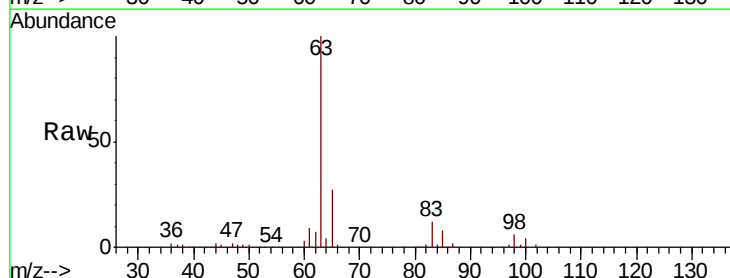
Tgt Ion: 63 Resp: 97629

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 3.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

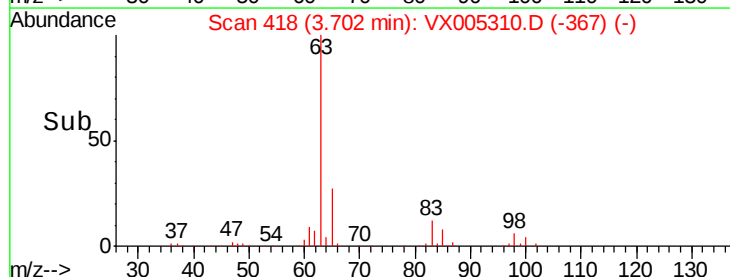
30000

20000

10000

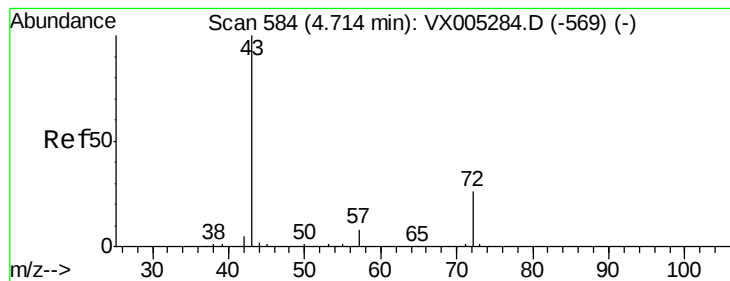
0

Time-->



3.70

3.60 3.70 3.80



#25

2-Butanone

Concen: 103.992 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

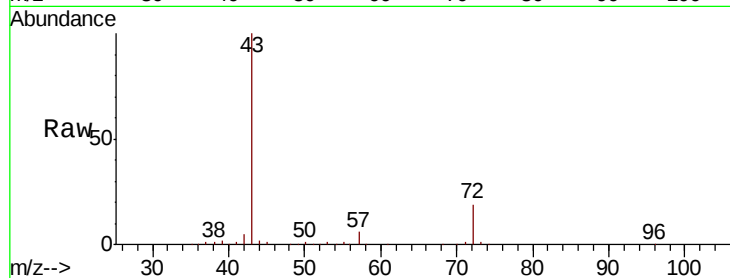
VX1012WBS02

Tot Ion: 43 Resp: 250155

Ion Ratio Lower Upper

43 100

72 18.6 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

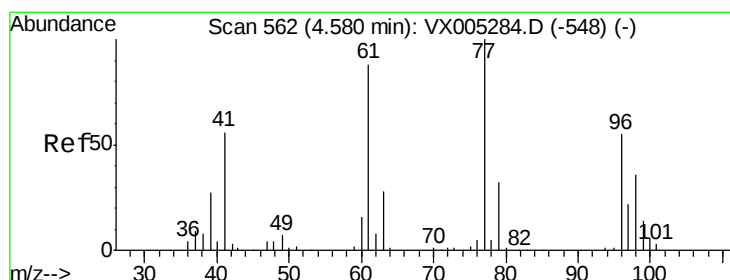
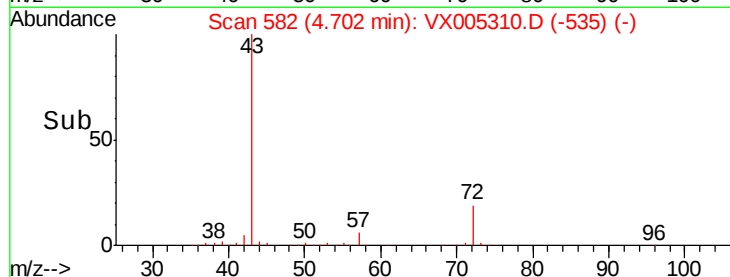
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 15.447 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005310.D

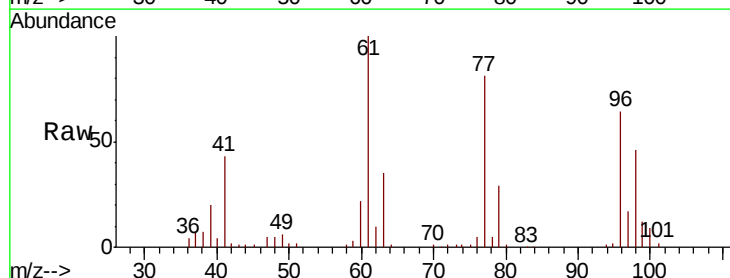
Acq: 12 Oct 2018 23:38

Tgt Ion: 77 Resp: 54787

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

10000

5000

0

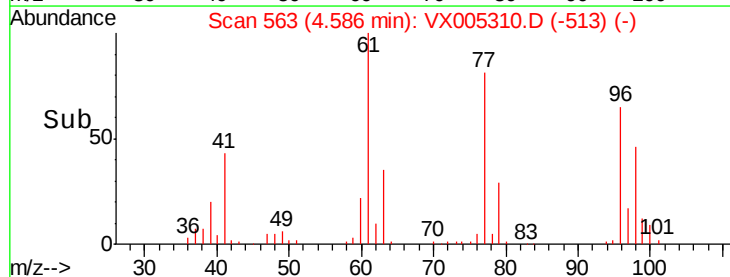
4.40

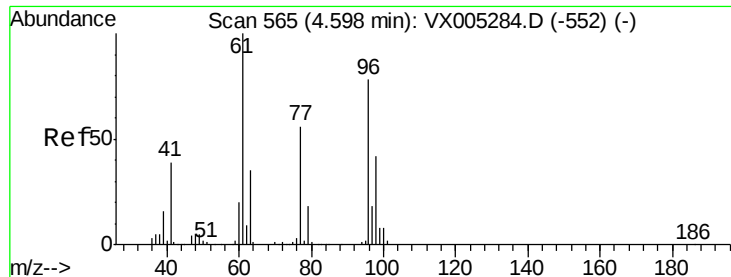
4.50

4.60

4.70

Time-->



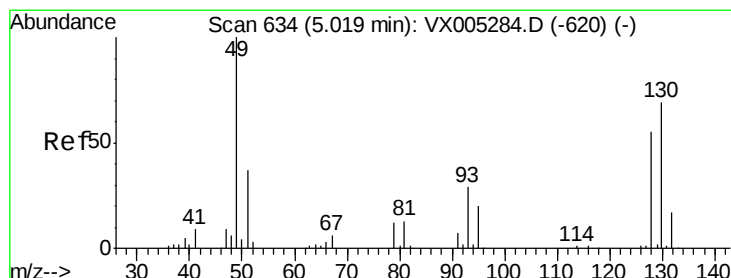
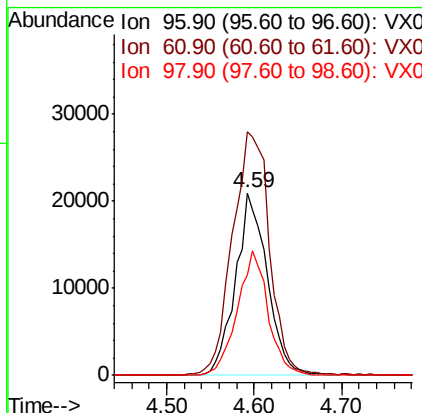
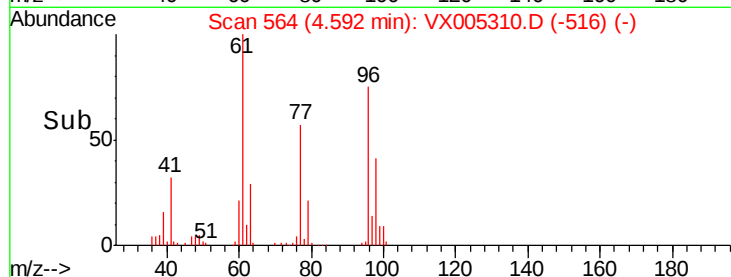
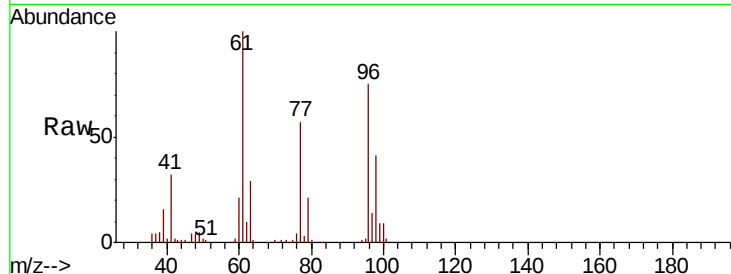


#27

cis-1,2-Dichloroethene
Concen: 19.592 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

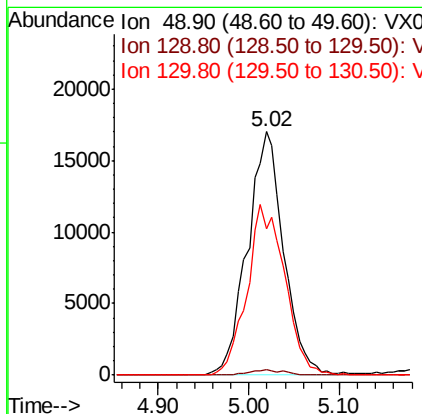
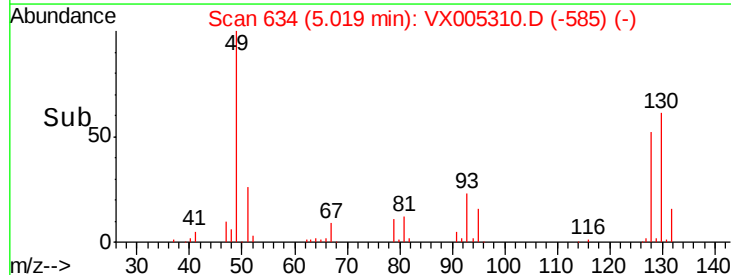
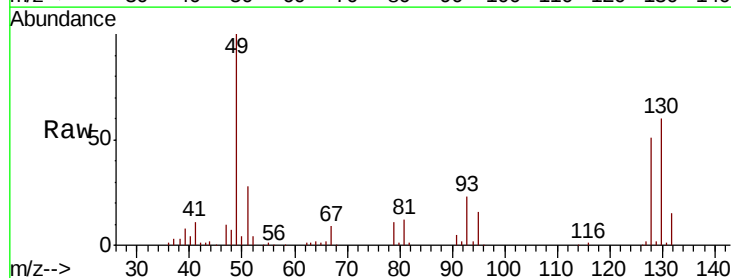
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	282.6
98	66.1	0.0	130.2

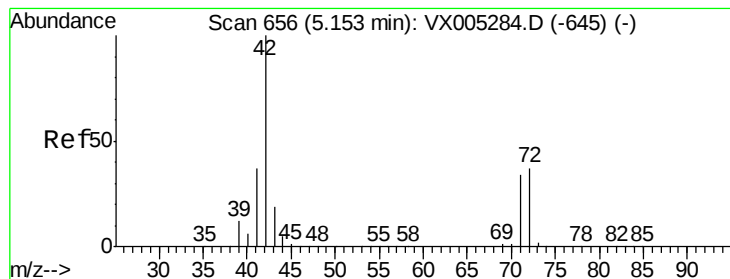


#28

Bromochloromethane
Concen: 21.801 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.6	67.5	101.3





#29

Tetrahydrofuran

Concen: 102.074 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

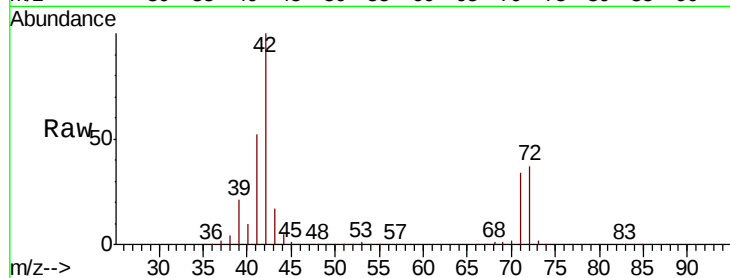
Tot Ion: 42 Resp: 156623

Ion Ratio Lower Upper

42 100

72 41.6 37.4 56.0

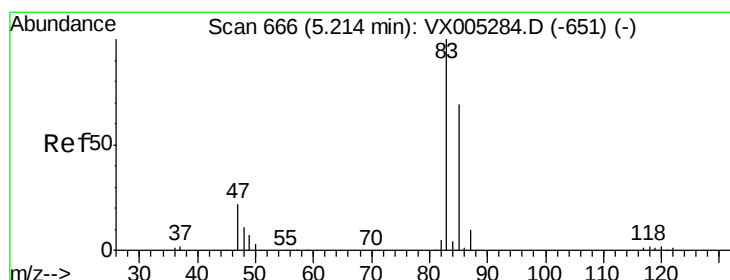
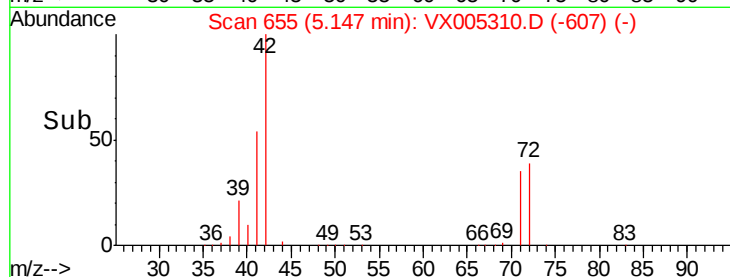
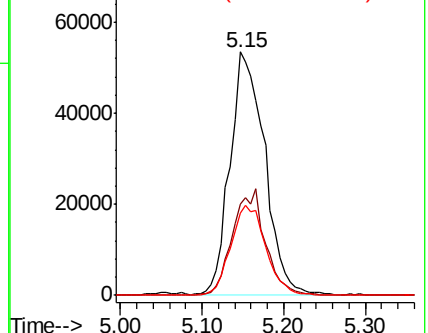
71 37.4 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.872 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005310.D

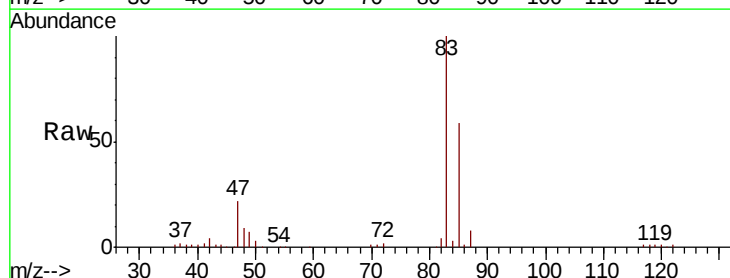
Acq: 12 Oct 2018 23:38

Tgt Ion: 83 Resp: 91878

Ion Ratio Lower Upper

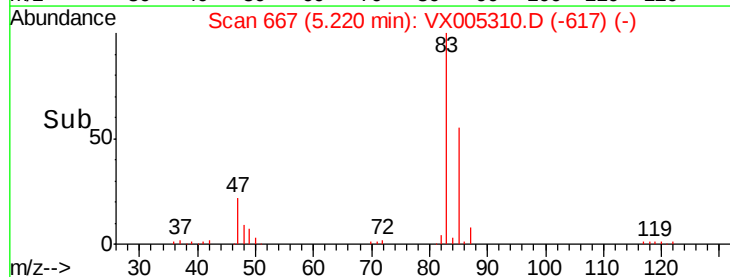
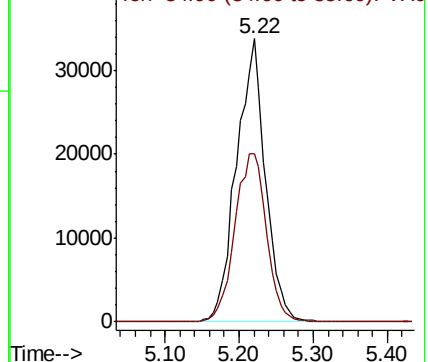
83 100

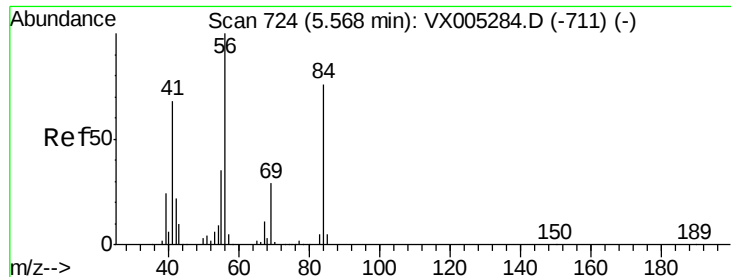
85 59.5 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

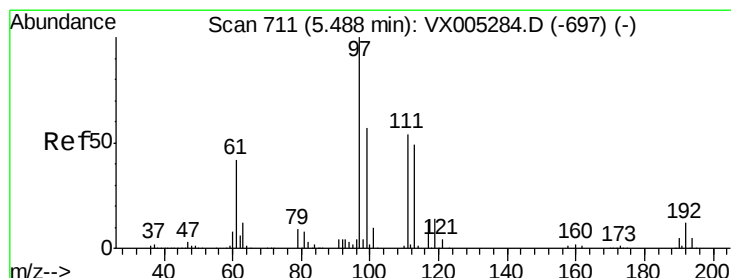
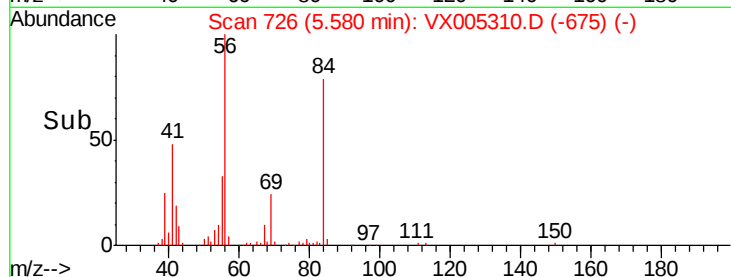
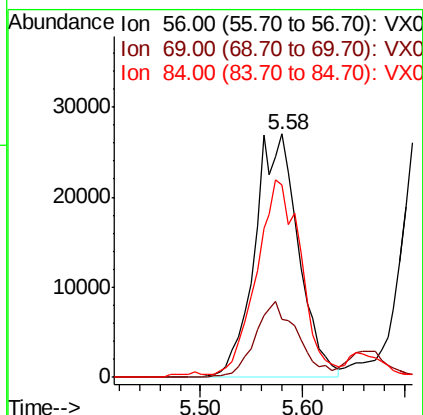
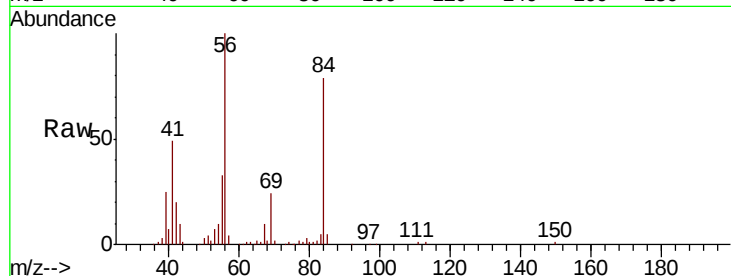




#31
Cyclohexane
Concen: 20.593 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

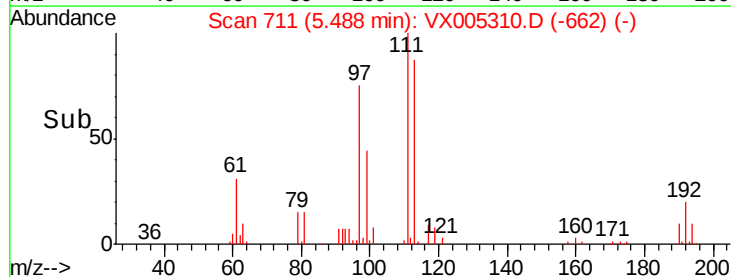
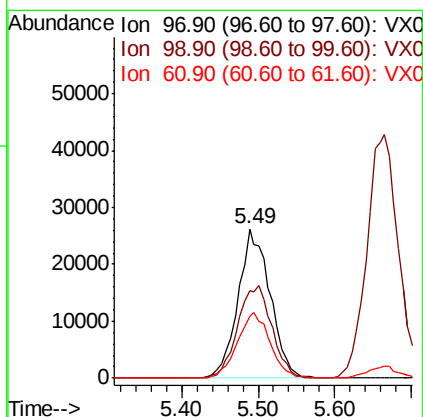
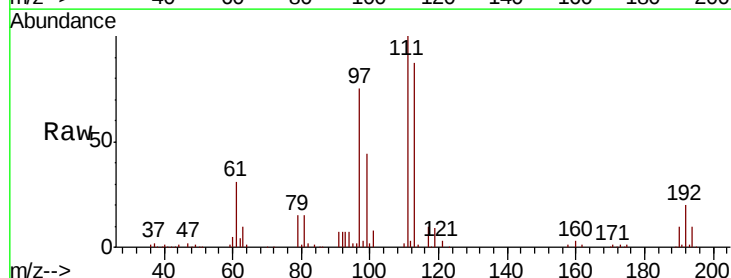
Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

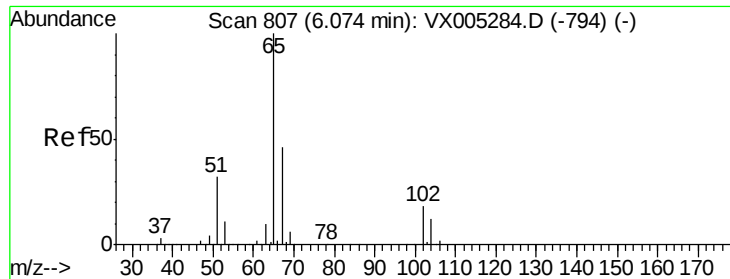
Tot Ion: 56 Resp: 80494
Ion Ratio Lower Upper
56 100
69 24.0 25.4 38.2#
84 77.5 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 19.826 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 97 Resp: 75937
Ion Ratio Lower Upper
97 100
99 66.3 52.0 78.0
61 45.0 34.9 52.3

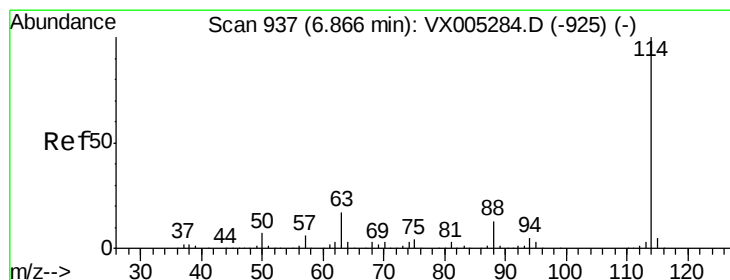
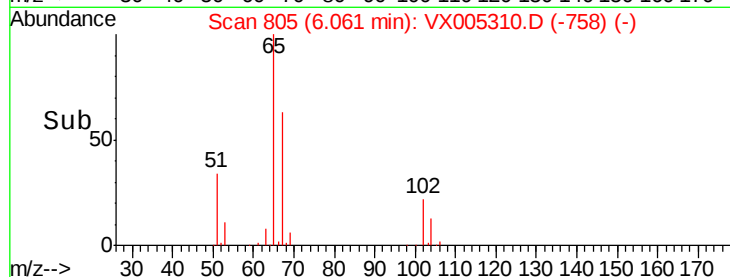
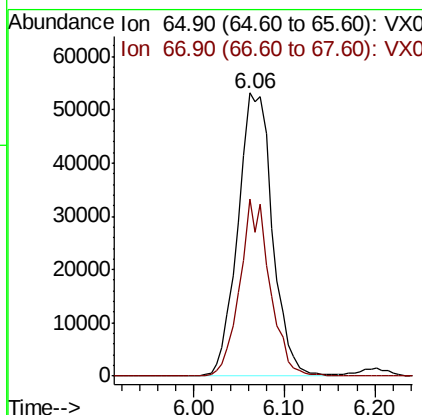
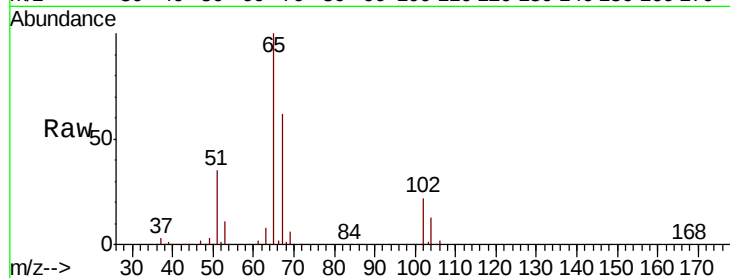




#33
 1,2-Dichloroethane-d4
 Concen: 49.394 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

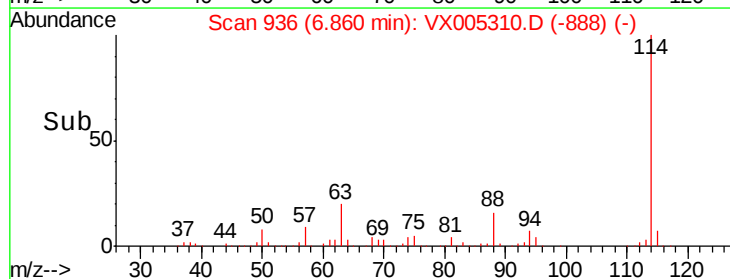
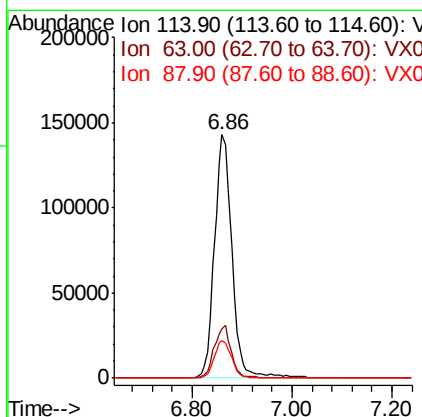
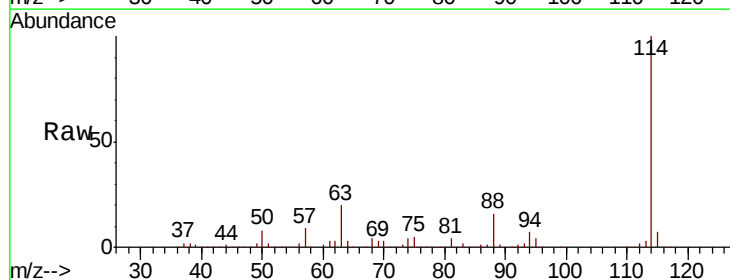
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

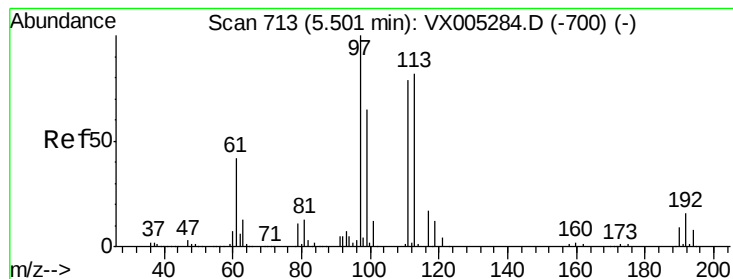
Tot Ion: 65 Resp: 140454
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 114 Resp: 349223
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.133 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

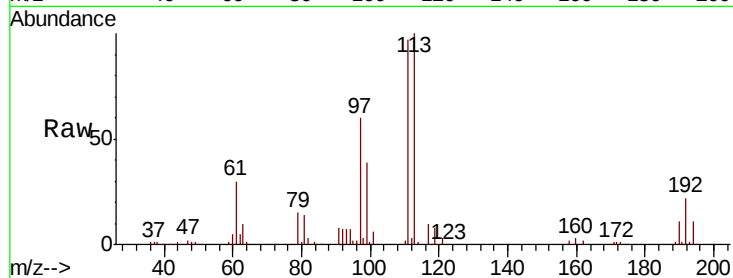
Tot Ion:113 Resp: 115958

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

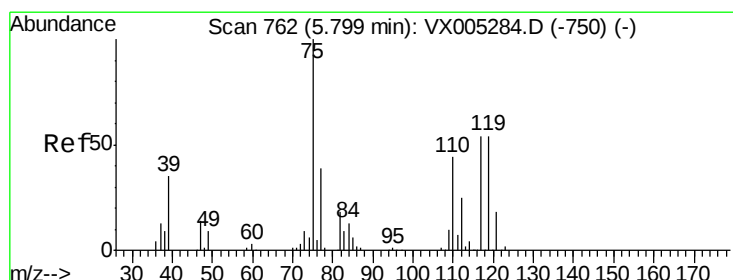
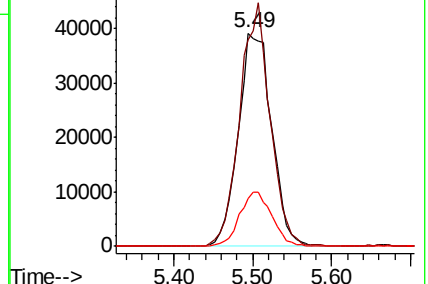
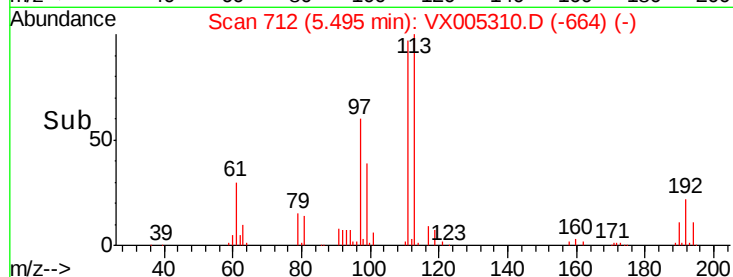
192 24.4 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.161 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

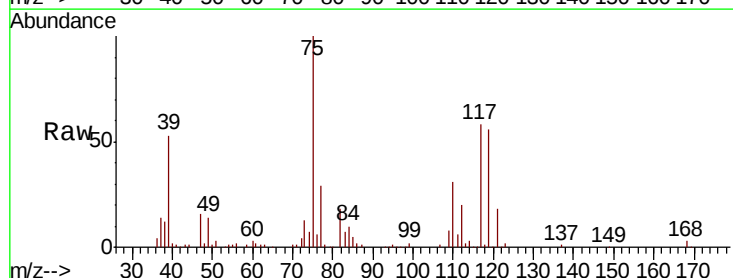
Tgt Ion: 75 Resp: 64808

Ion Ratio Lower Upper

75 100

110 36.4 18.0 54.0

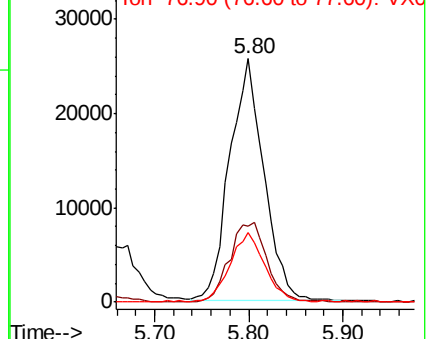
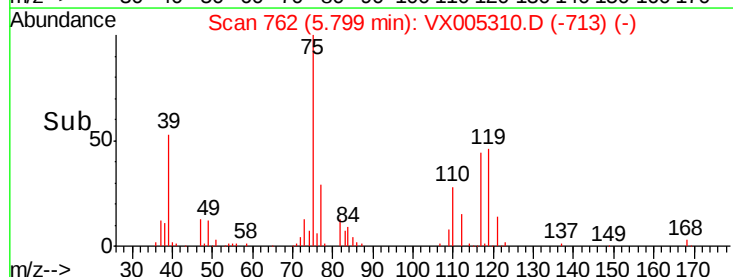
77 28.0 24.6 36.8

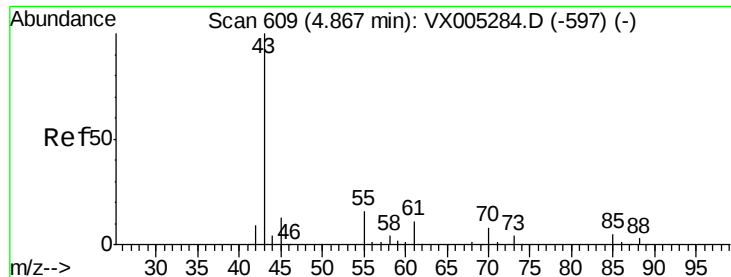


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 20.161 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

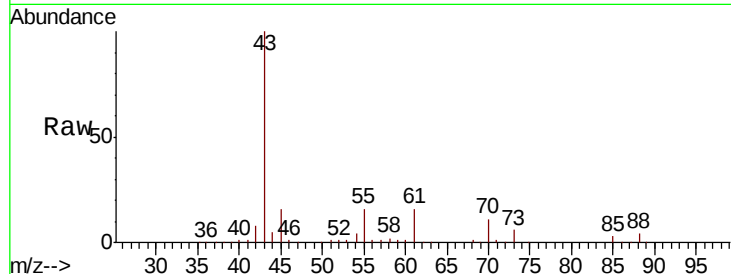
Tot Ion: 43 Resp: 87693

Ion Ratio Lower Upper

43 100

61 15.0 11.5 17.3

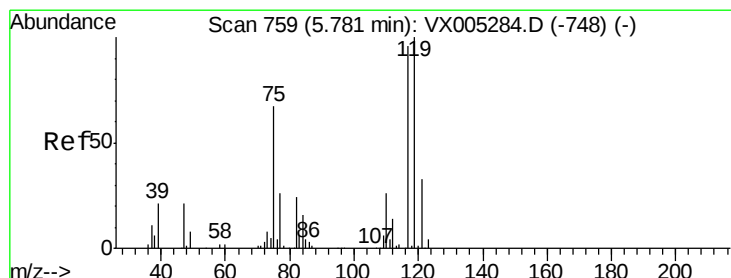
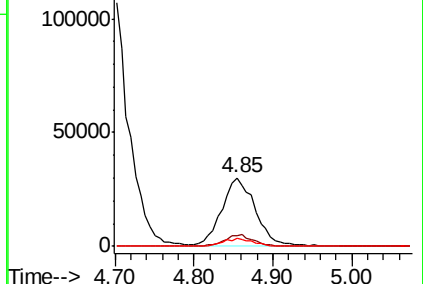
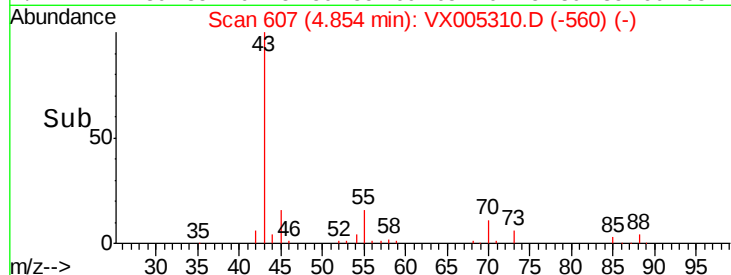
70 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX005310.D (-560) (-)

Ion 60.90 (60.60 to 61.60): VX005310.D (-560) (-)

Ion 70.00 (69.70 to 70.70): VX005310.D (-560) (-)



#38

Carbon Tetrachloride

Concen: 19.351 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

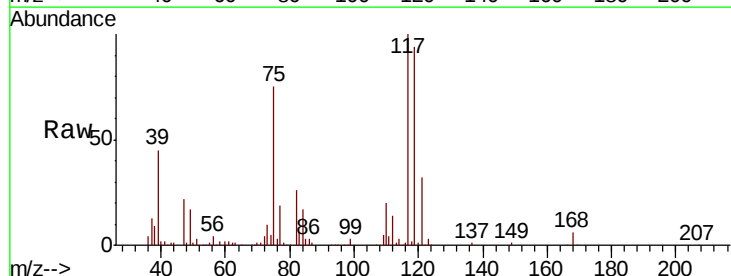
Tgt Ion: 117 Resp: 65761

Ion Ratio Lower Upper

117 100

119 93.8 78.8 118.2

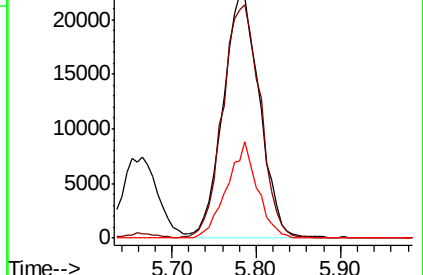
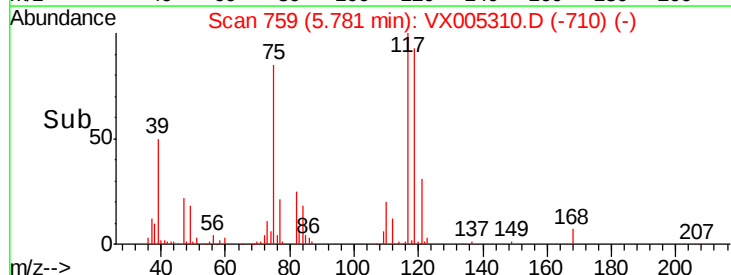
121 31.8 24.9 37.3

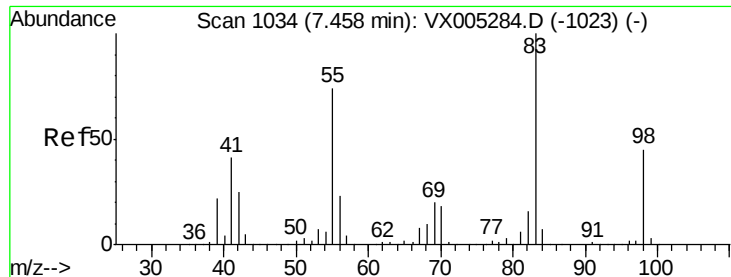


Abundance Ion 116.80 (116.50 to 117.50): VX005310.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX005310.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005310.D (-710) (-)

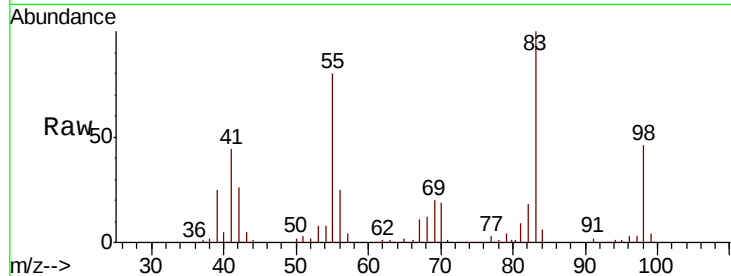




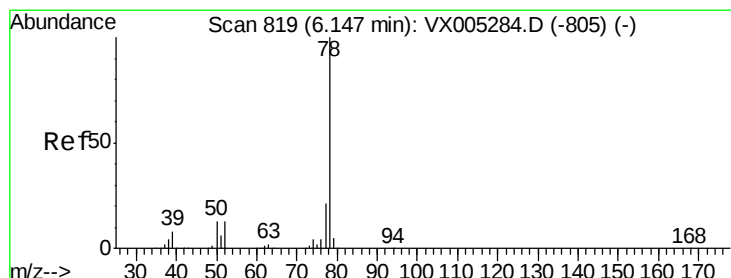
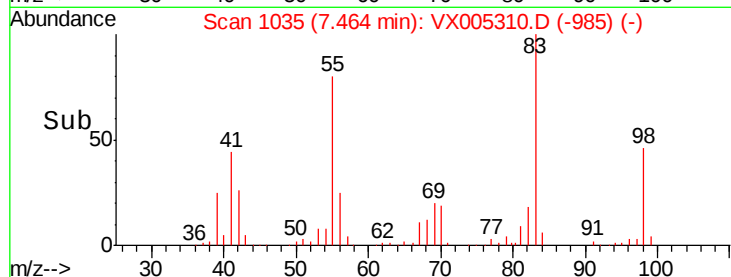
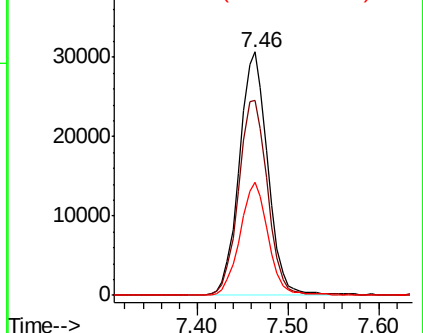
#39
Methvlcvclohexane
Concen: 18.239 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tot Ion: 83 Resp: 66764
Ion Ratio Lower Upper
83 100
55 80.2 61.0 91.4
98 46.3 39.6 59.4

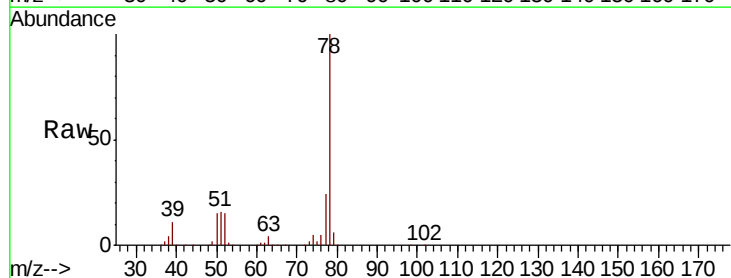


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

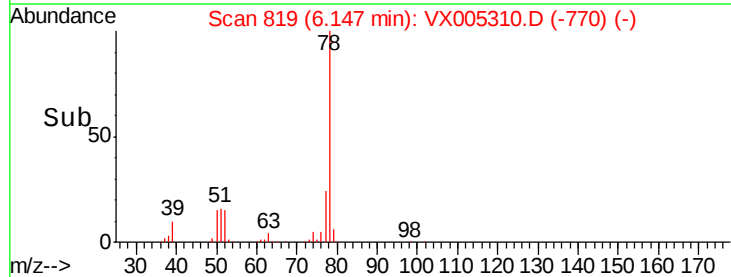
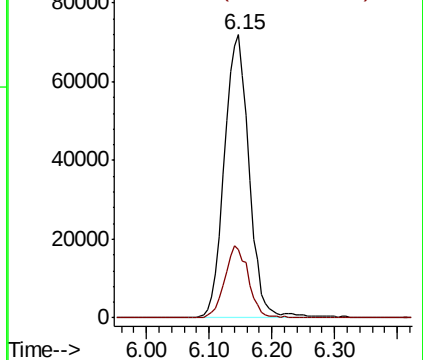


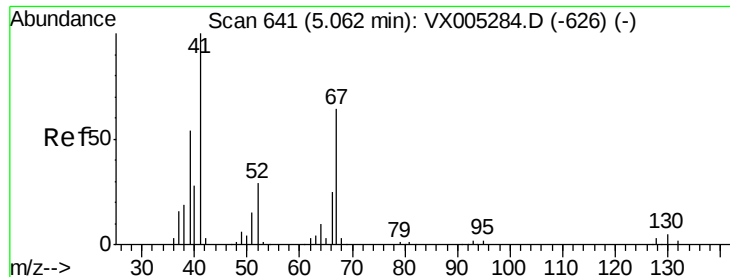
#40
Benzene
Concen: 19.415 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 78 Resp: 196986
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



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





#41

Methacrylonitrile

Concen: 20.970 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tot Ion: 41 Resp: 48898

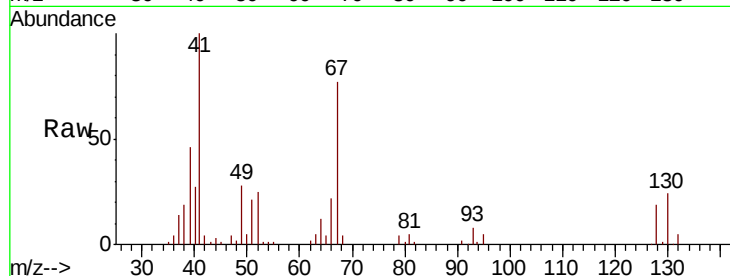
Ion Ratio Lower Upper

41 100

39 55.4 42.4 63.6

67 72.3 59.2 88.8

52 28.5 23.0 34.4

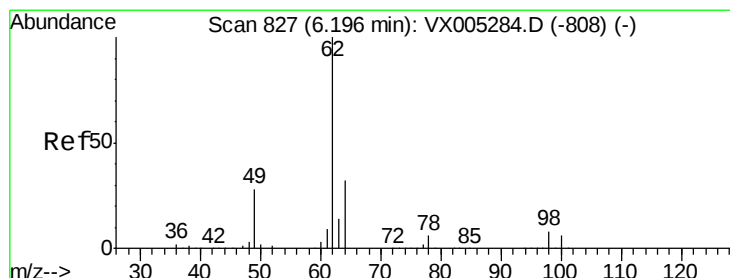
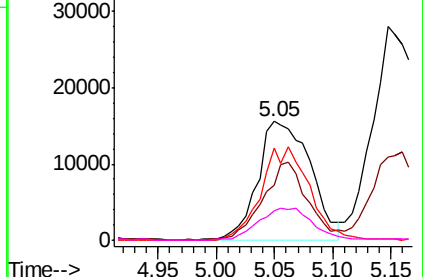
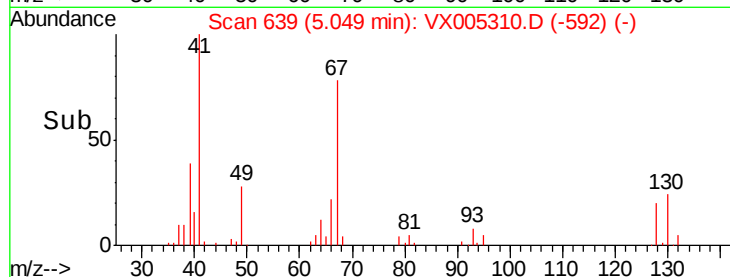


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.056 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005310.D

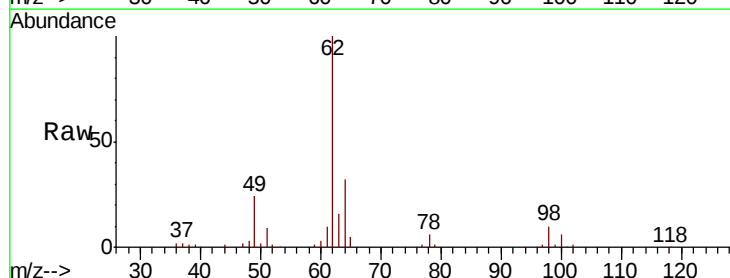
Acq: 12 Oct 2018 23:38

Tgt Ion: 62 Resp: 71852

Ion Ratio Lower Upper

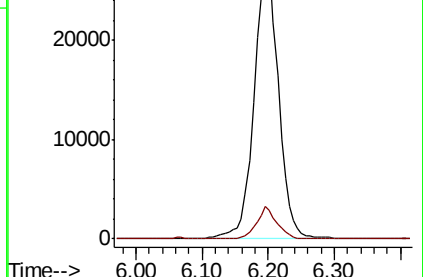
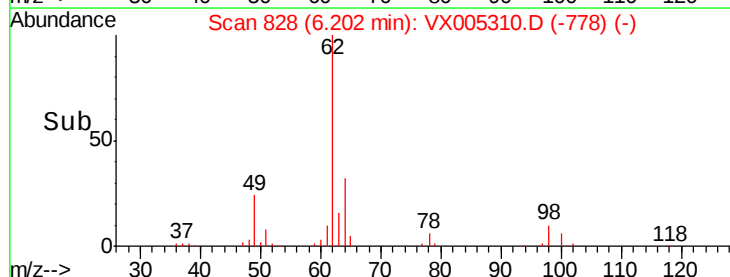
62 100

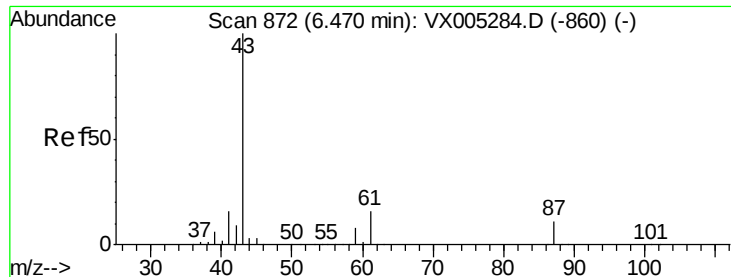
98 9.7 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.324 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

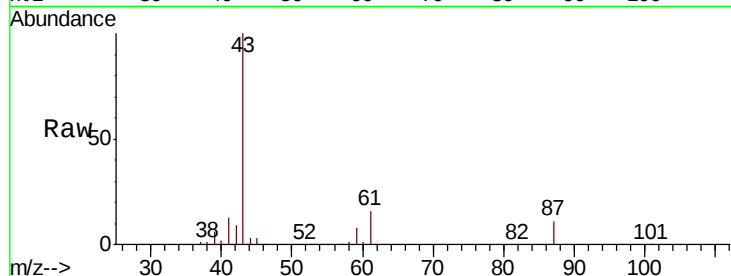
Tot Ion: 43 Resp: 123554

Ion Ratio Lower Upper

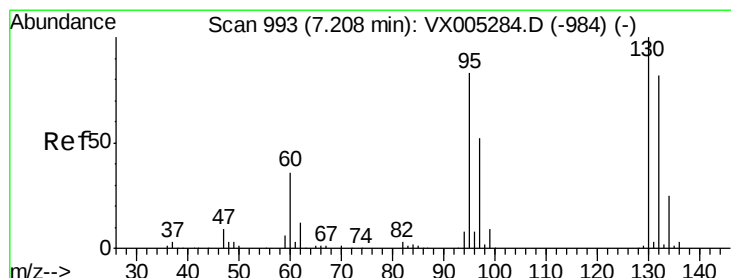
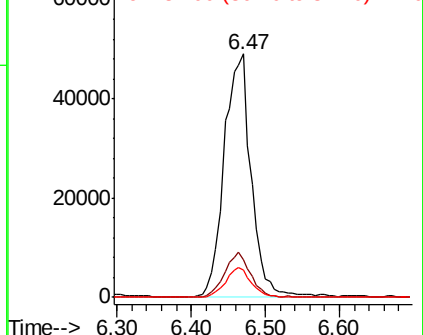
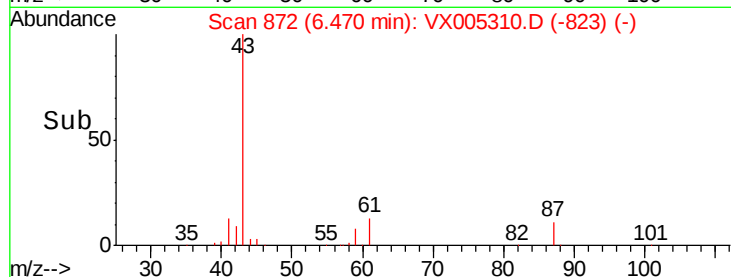
43 100

61 18.0 17.0 25.4

87 11.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005310.D (-823) (-)



#44

Trichloroethene

Concen: 19.263 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005310.D

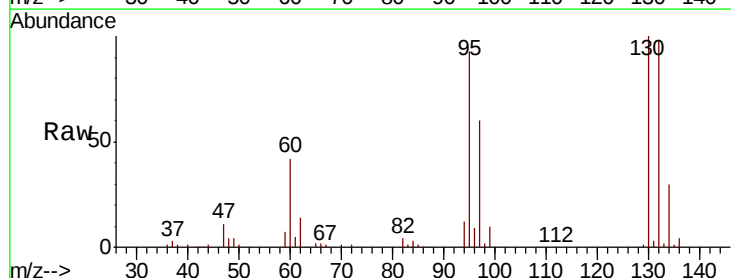
Acq: 12 Oct 2018 23:38

Tgt Ion:130 Resp: 50894

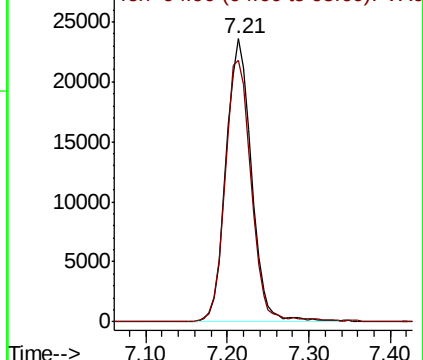
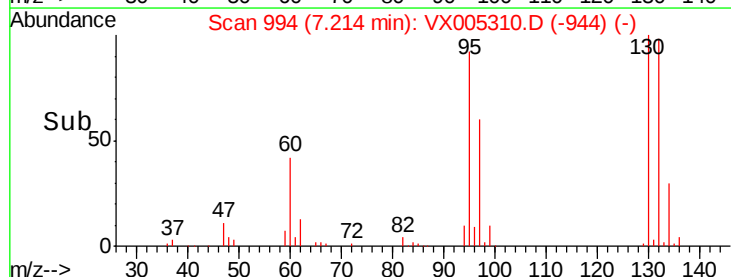
Ion Ratio Lower Upper

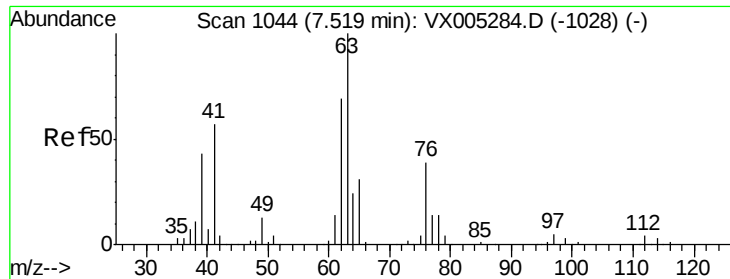
130 100

95 92.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005310.D (-944) (-)





#45

1,2-Dichloropropane

Concen: 19.939 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampled :

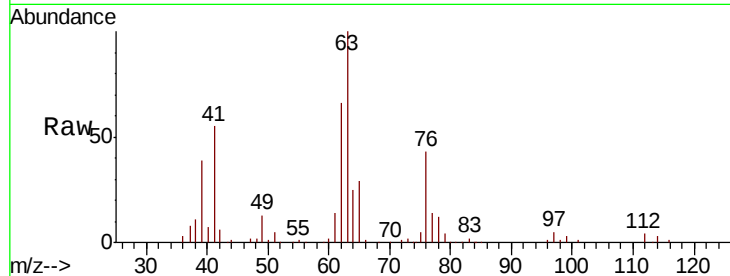
VX1012WBS02

Tot Ion: 63 Resp: 49624

Ion Ratio Lower Upper

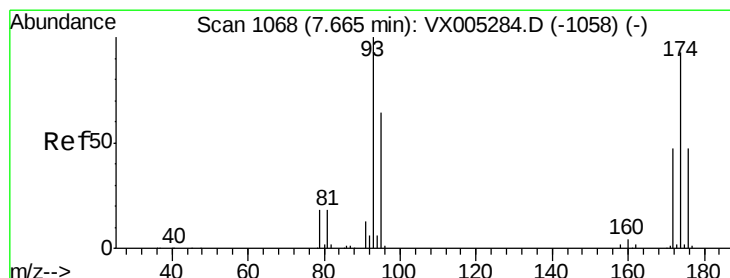
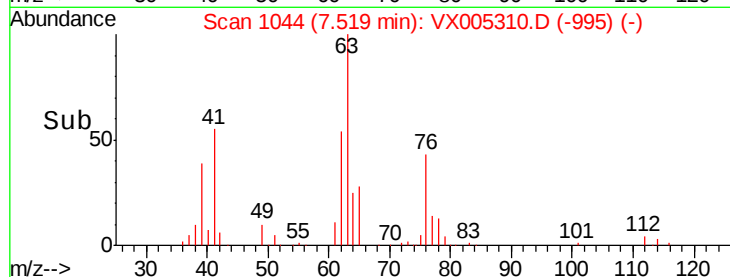
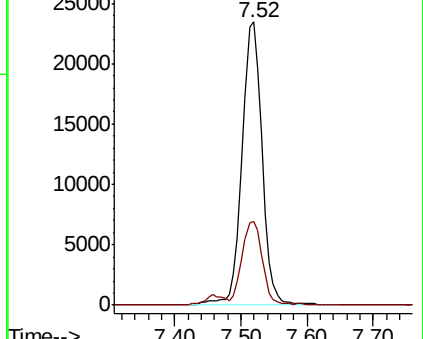
63 100

65 29.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.471 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

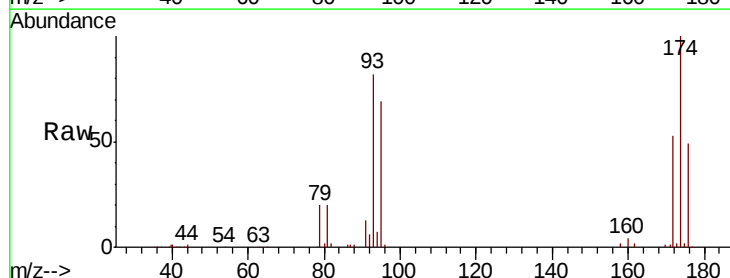
Tgt Ion: 93 Resp: 31983

Ion Ratio Lower Upper

93 100

95 83.8 65.5 98.3

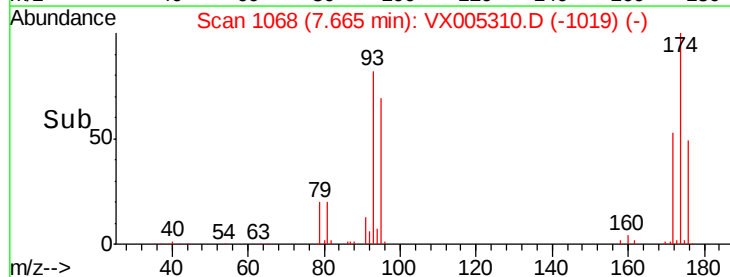
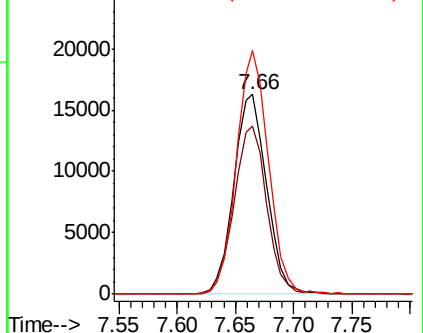
174 118.7 94.2 141.4

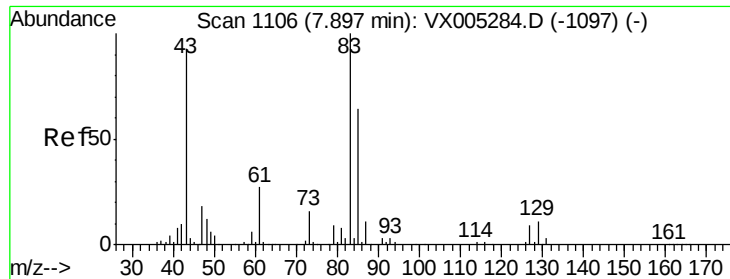


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.820 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

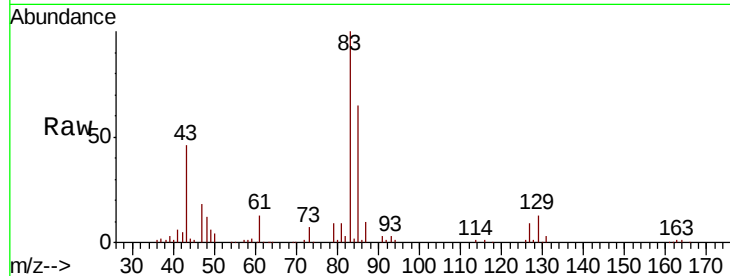
Tot Ion: 83 Resp: 60221

Ion Ratio Lower Upper

83 100

85 65.2 50.9 76.3

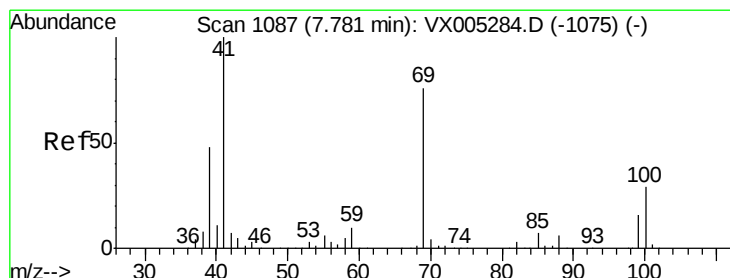
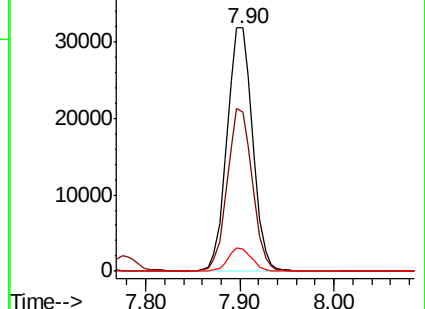
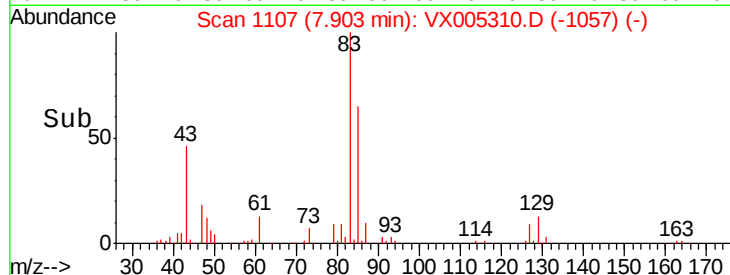
127 9.4 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.480 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

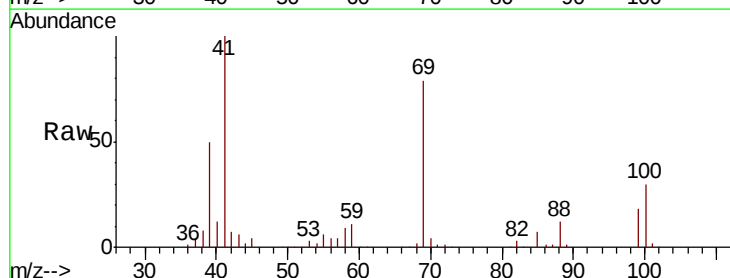
Tgt Ion: 41 Resp: 58539

Ion Ratio Lower Upper

41 100

69 81.7 70.2 105.4

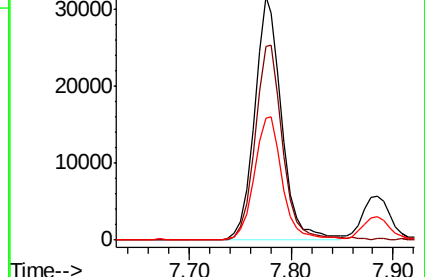
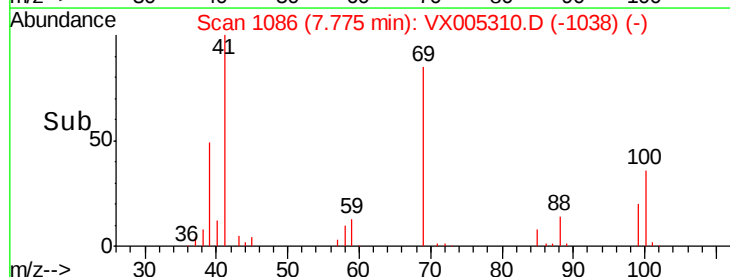
39 52.1 42.7 64.1

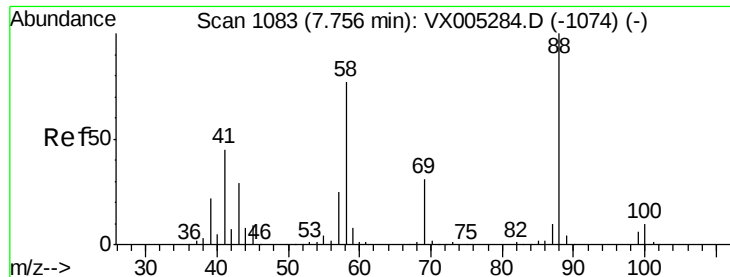


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

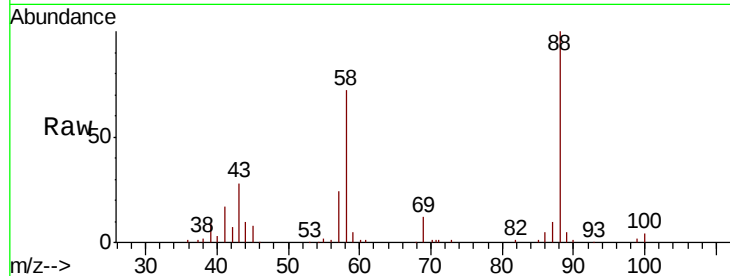




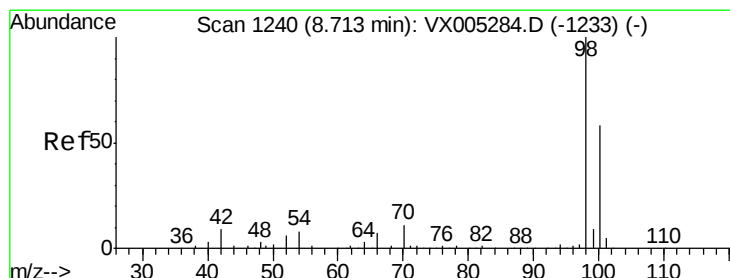
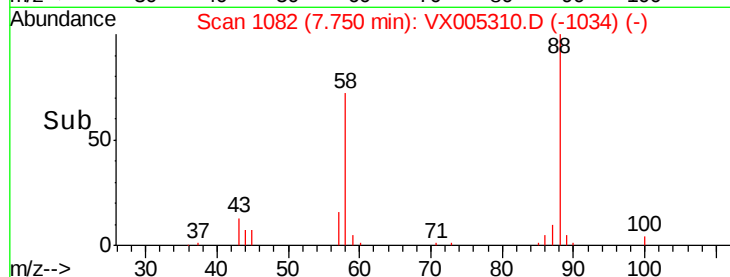
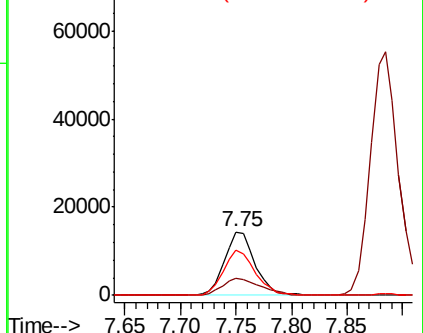
#49
1,4-Dioxane
Concen: 395.761 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tot Ion: 88 Resp: 27431
Ion Ratio Lower Upper
88 100
43 33.8 24.7 37.1
58 73.8 55.3 82.9

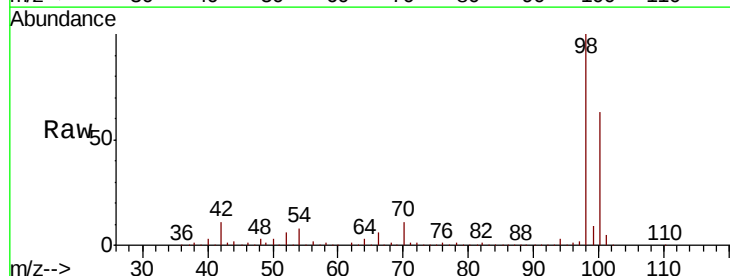


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

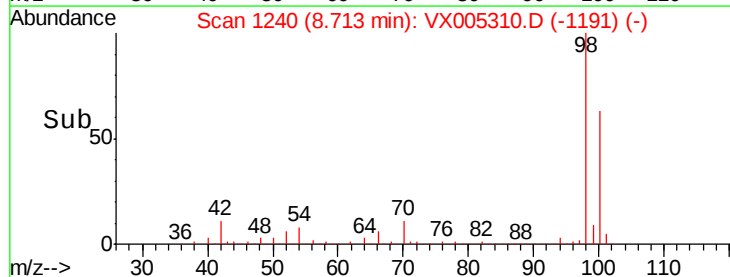
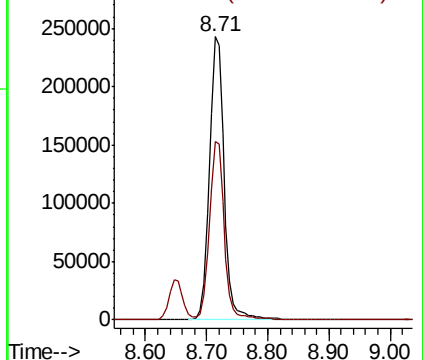


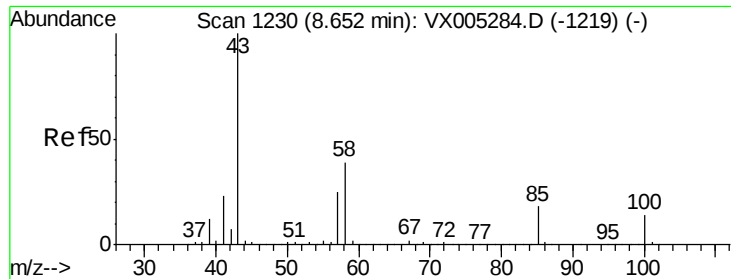
#50
Toluene-d8
Concen: 51.630 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 98 Resp: 409976
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 101.267 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

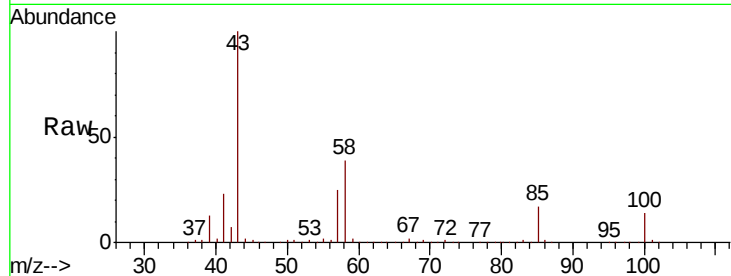
VX1012WBS02

Tot Ion: 43 Resp: 406272

Ion Ratio Lower Upper

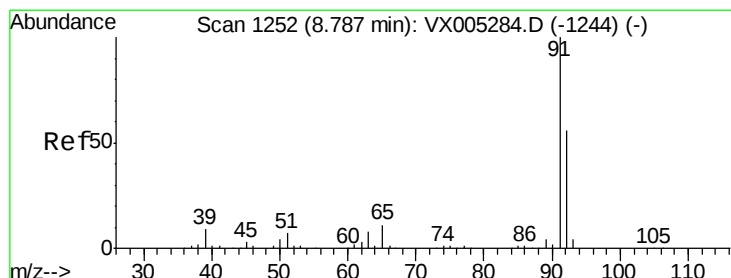
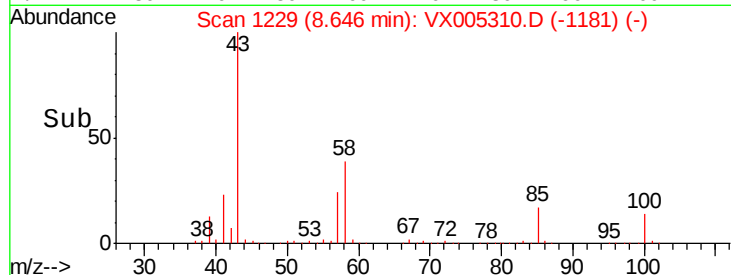
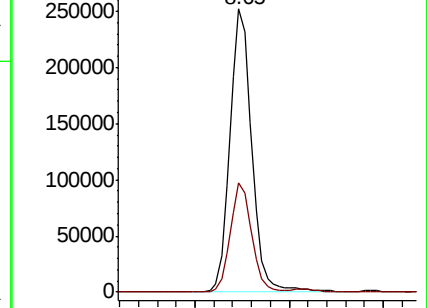
43 100

58 37.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.836 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005310.D

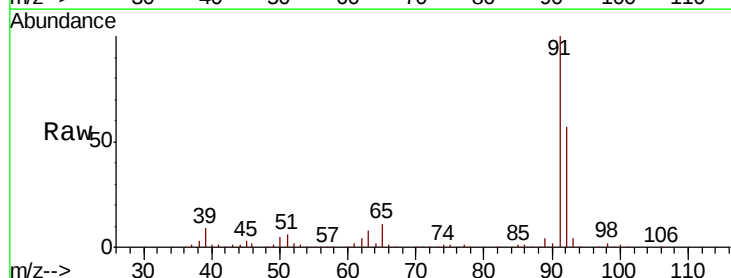
Acq: 12 Oct 2018 23:38

Tgt Ion: 92 Resp: 115655

Ion Ratio Lower Upper

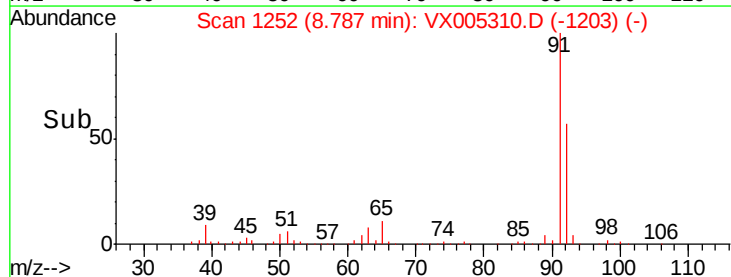
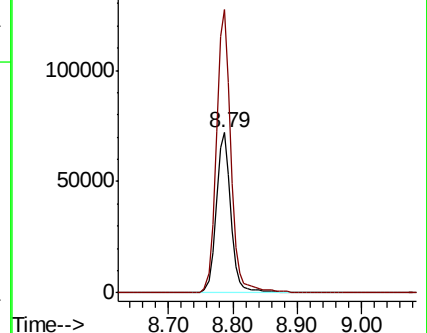
92 100

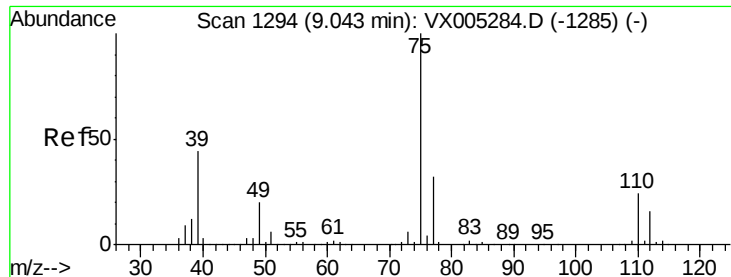
91 175.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.885 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

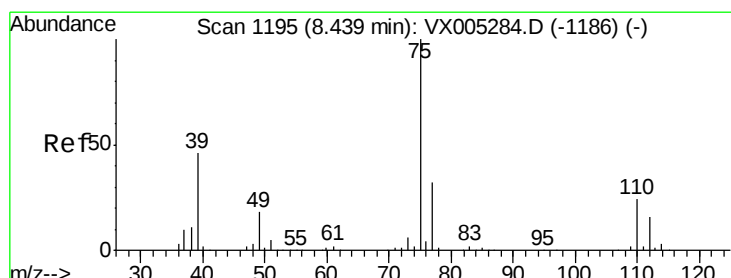
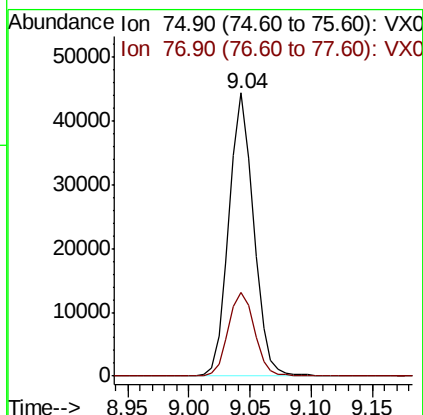
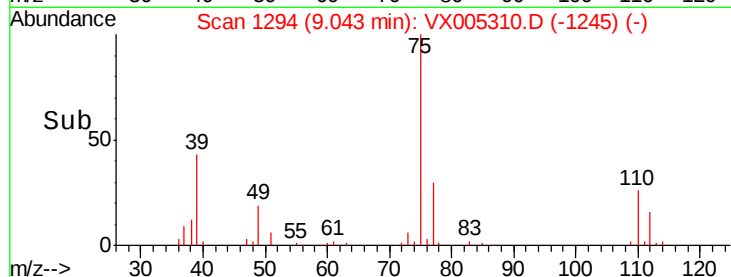
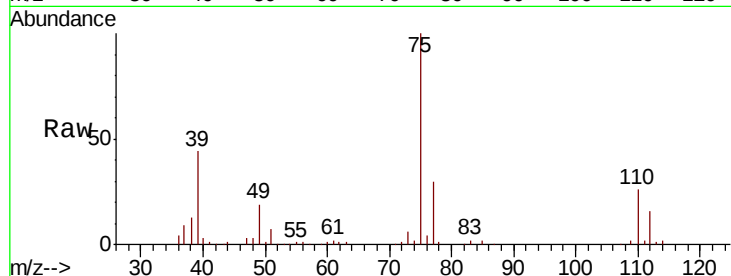
VX1012WBS02

Tot Ion: 75 Resp: 62098

Ion Ratio Lower Upper

75 100

77 29.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.502 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

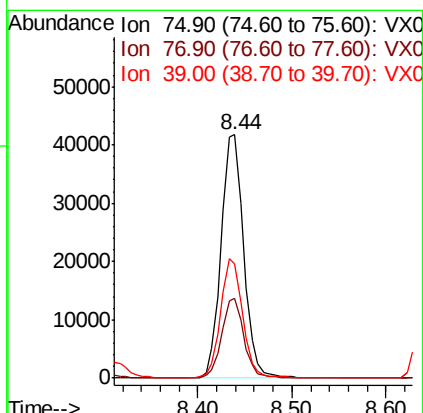
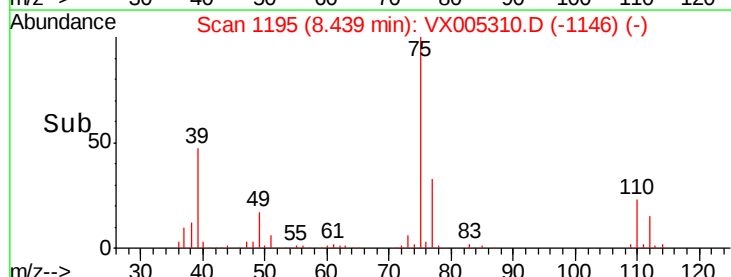
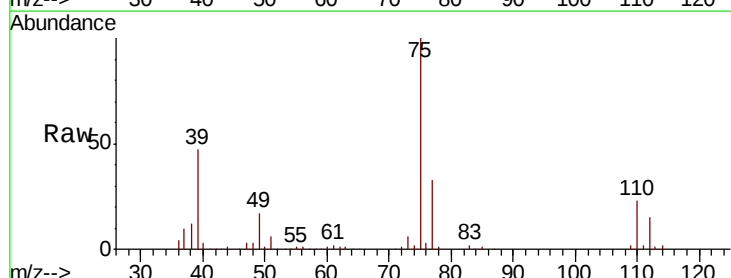
Tgt Ion: 75 Resp: 69483

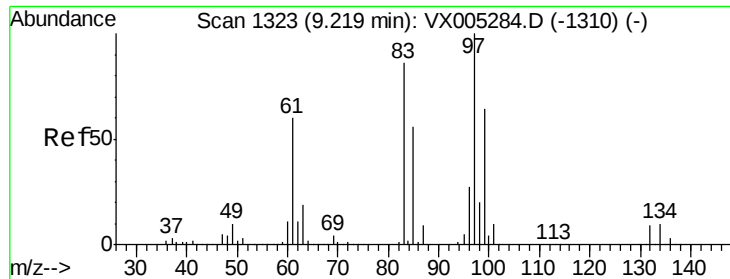
Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2

39 46.7 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 20.731 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tot Ion: 97 Resp: 48740

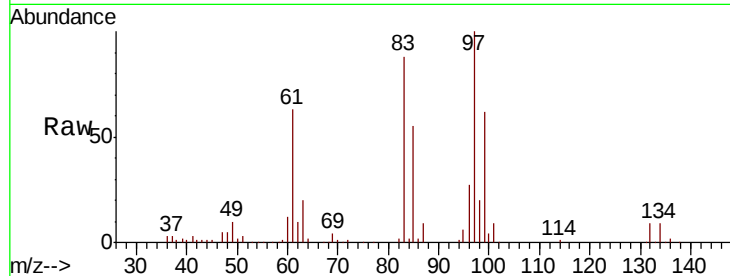
Ion Ratio Lower Upper

97 100

83 87.8 66.4 99.6

85 54.8 43.3 64.9

99 61.9 49.0 73.4



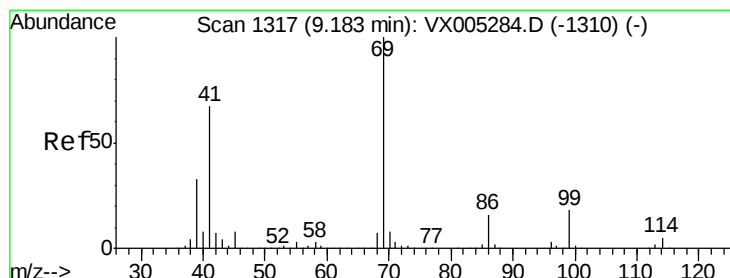
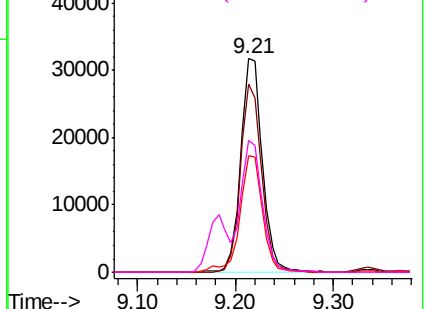
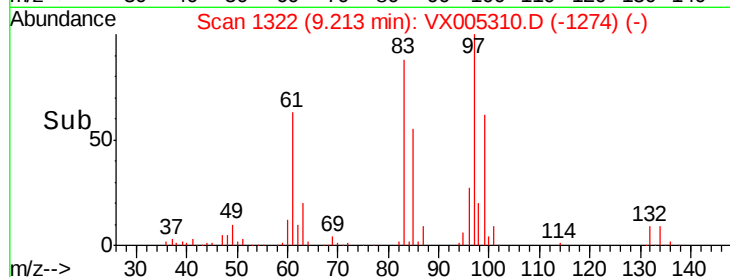
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.984 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

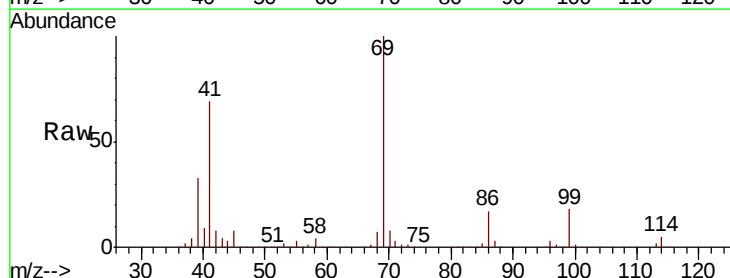
Tgt Ion: 69 Resp: 68493

Ion Ratio Lower Upper

69 100

41 68.9 51.0 76.4

39 33.5 26.1 39.1

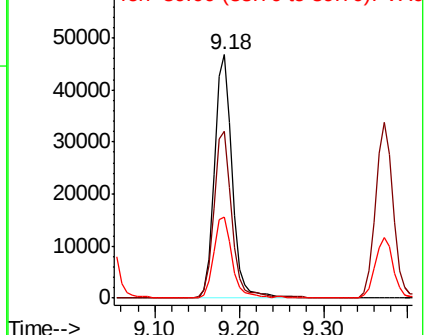
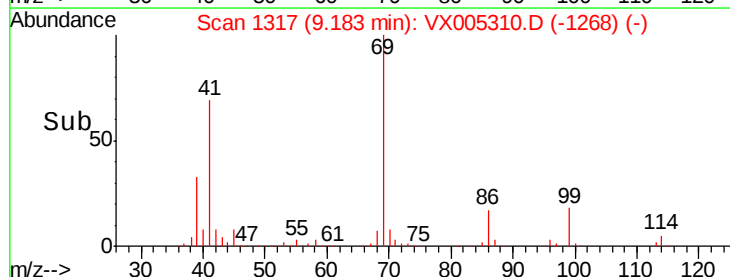


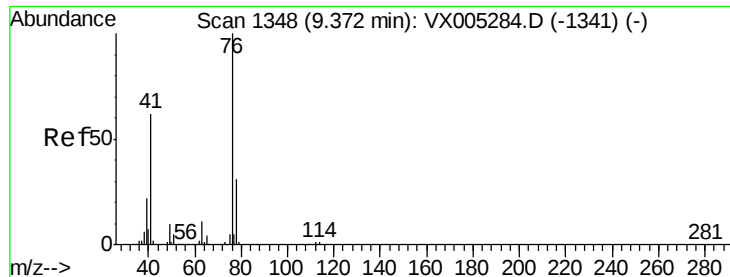
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.334 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

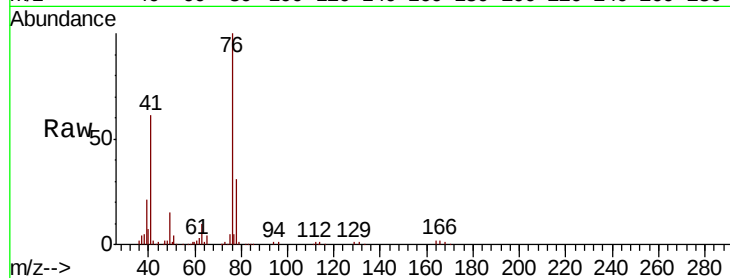
VX1012WBS02

Tot Ion: 76 Resp: 79792

Ion Ratio Lower Upper

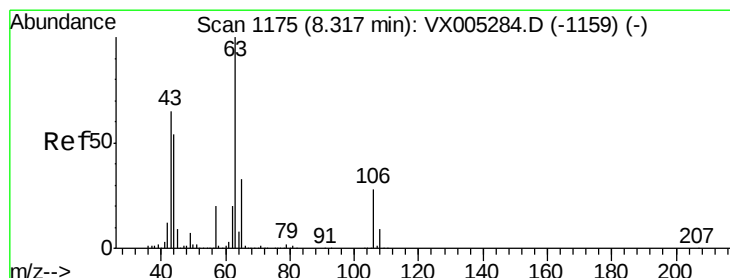
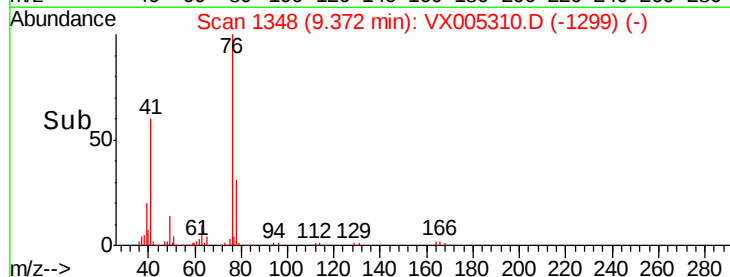
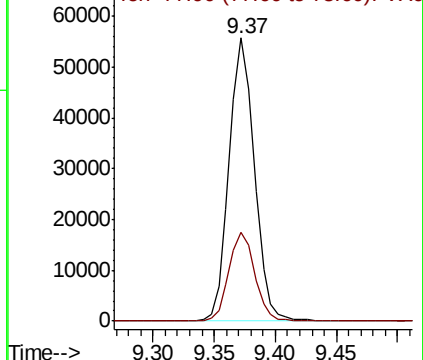
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 110.839 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005310.D

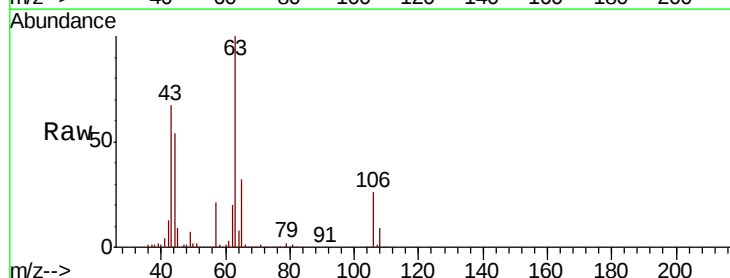
Acq: 12 Oct 2018 23:38

Tgt Ion: 63 Resp: 213046

Ion Ratio Lower Upper

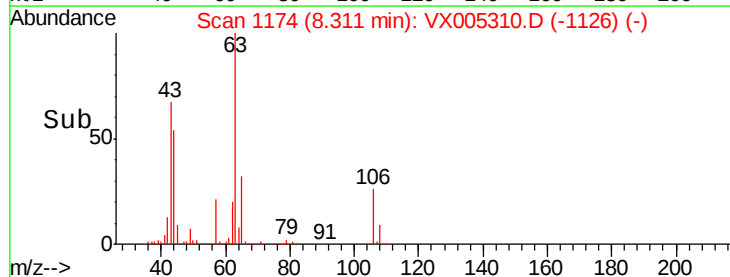
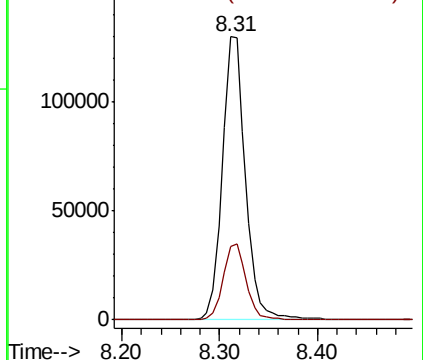
63 100

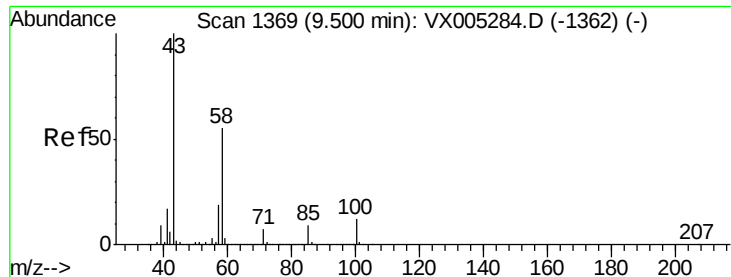
106 26.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

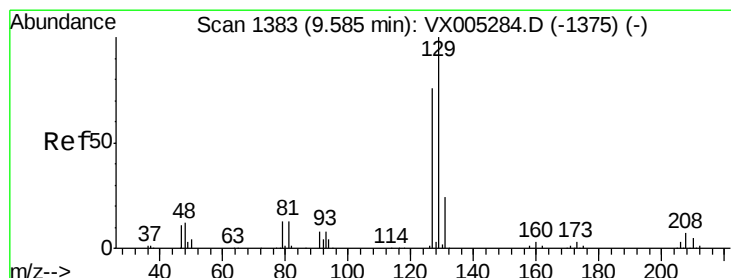
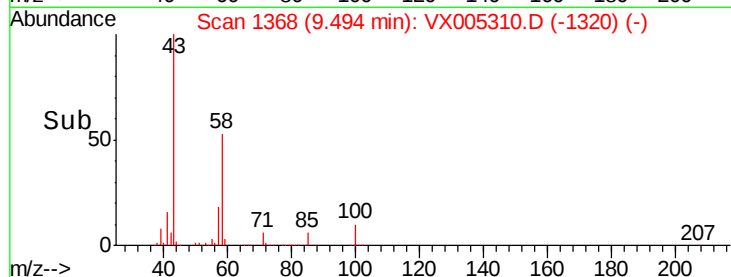
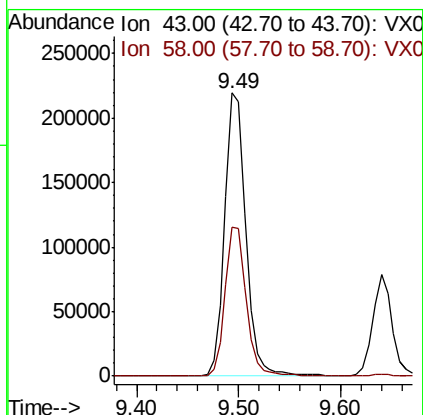
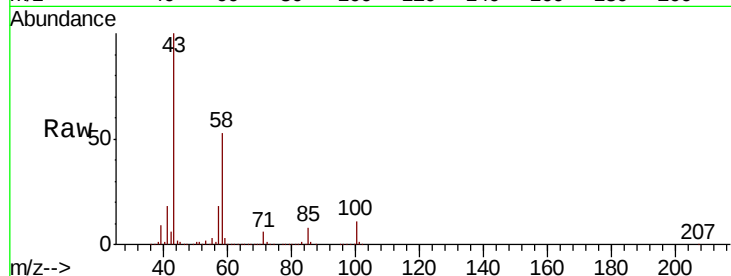




#59
2-Hexanone
Concen: 98.085 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

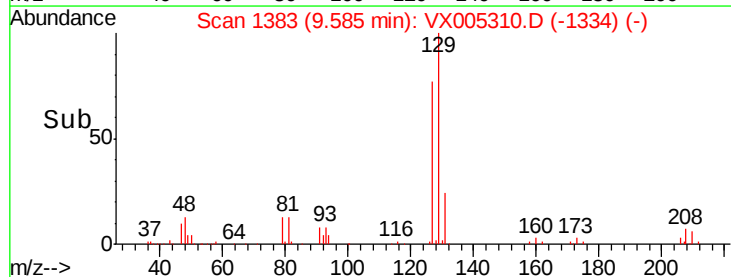
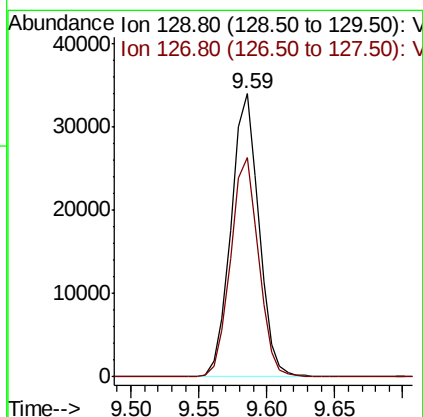
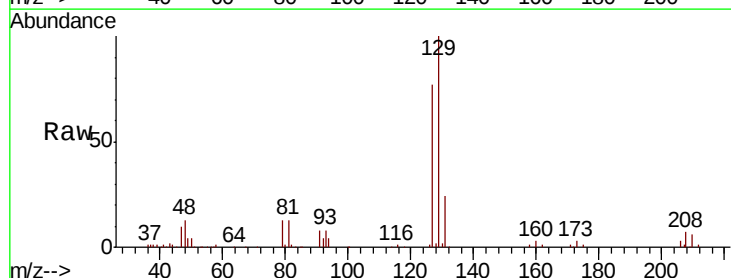
Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

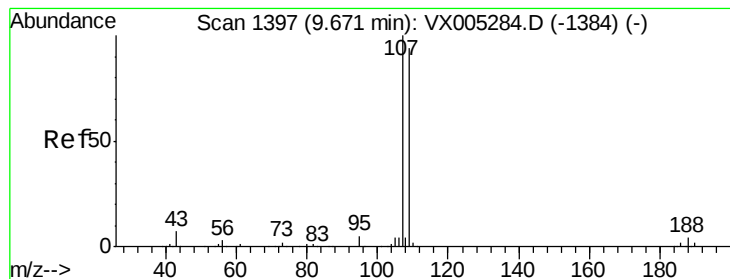
Tot Ion: 43 Resp: 316538
Ion Ratio Lower Upper
43 100
58 52.8 29.0 87.0



#60
Dibromochloromethane
Concen: 19.923 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 129 Resp: 48418
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.124 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

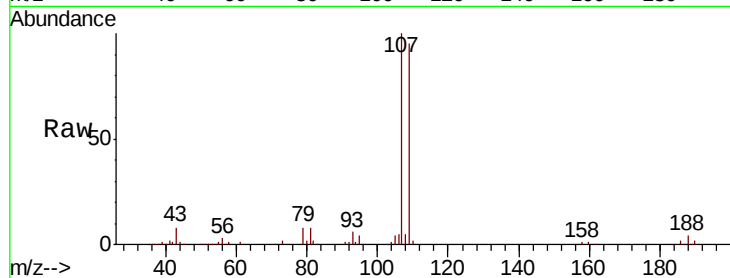
VX1012WBS02

Tot Ion:107 Resp: 49653

Ion Ratio Lower Upper

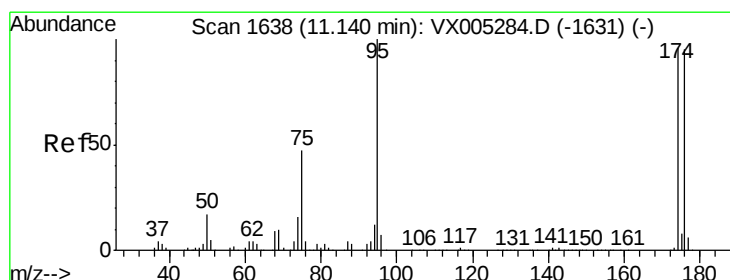
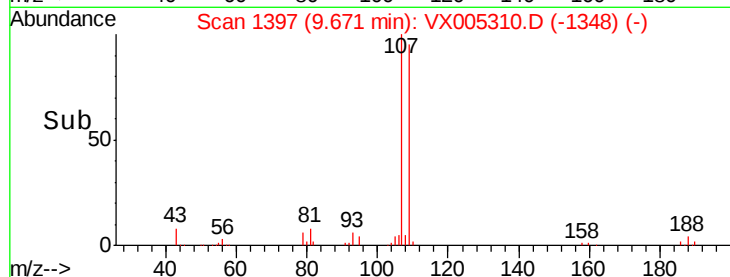
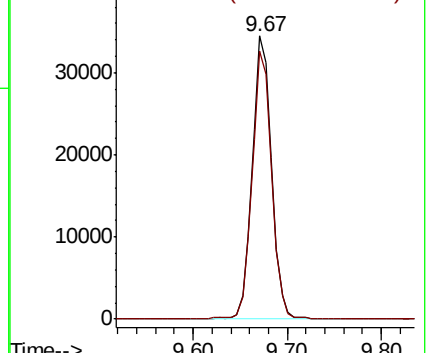
107 100

109 95.8 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.307 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

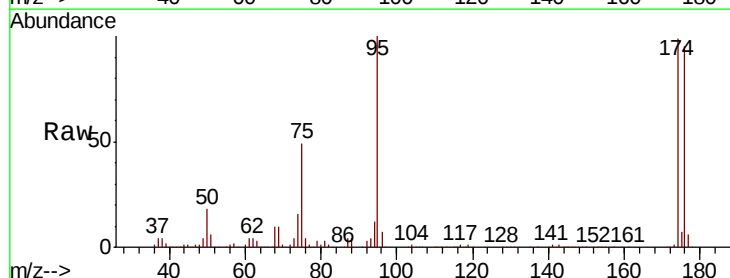
Tgt Ion: 95 Resp: 147083

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.2

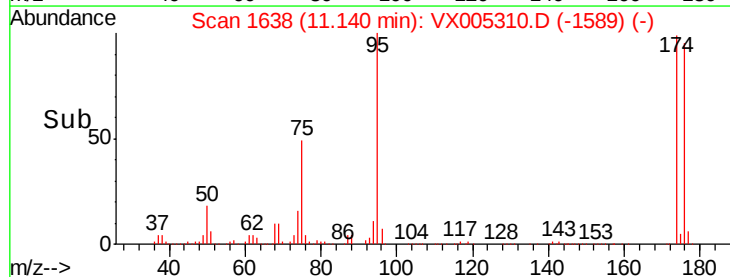
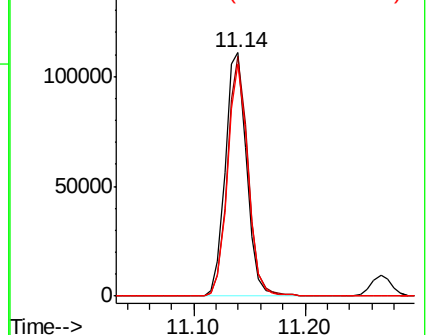
176 91.3 0.0 178.6

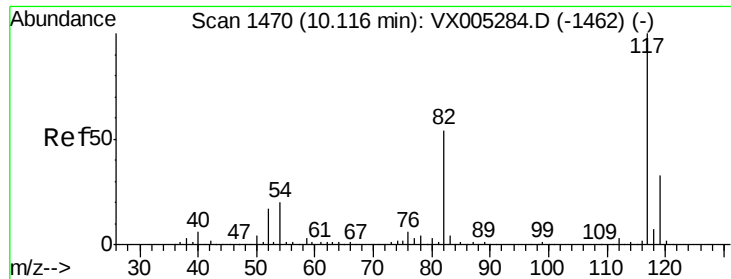


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

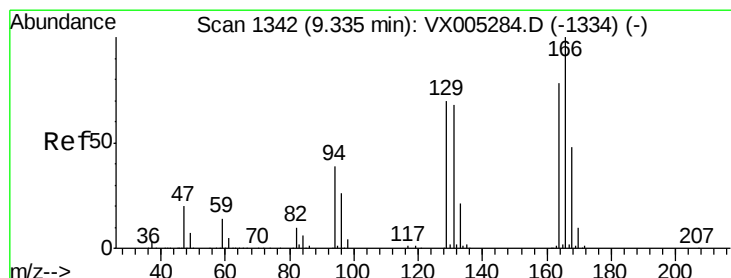
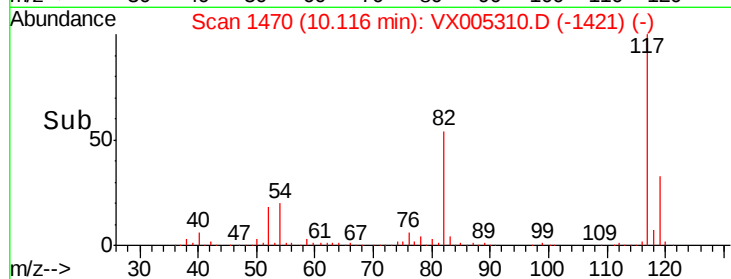
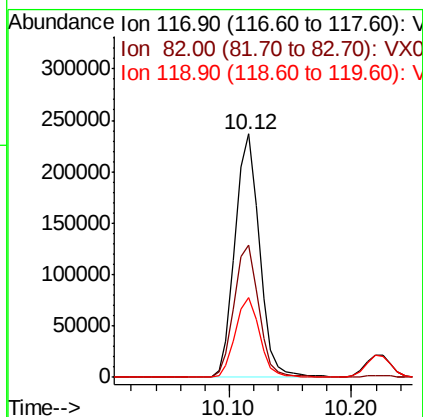
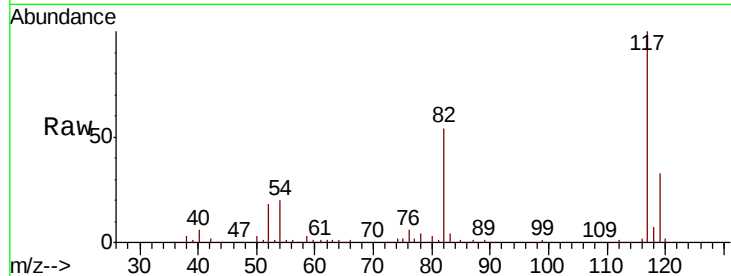




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

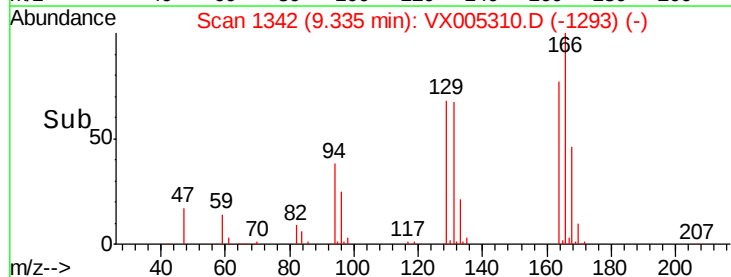
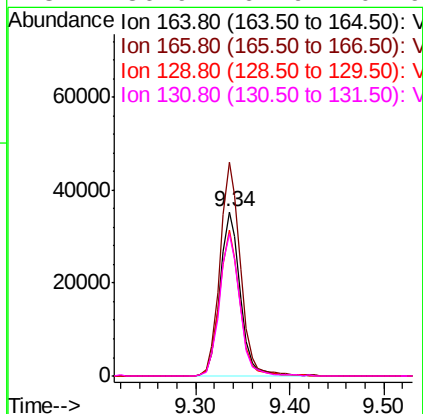
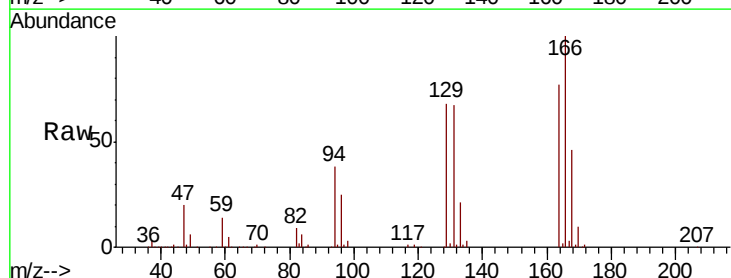
Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

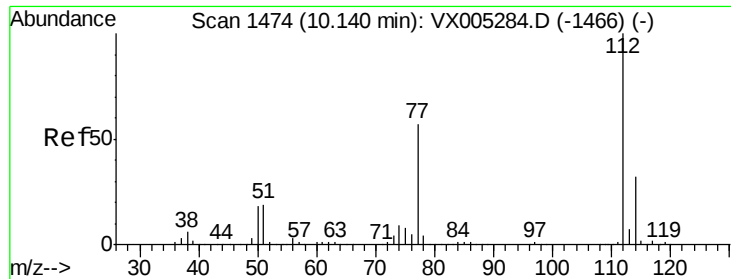
Tot Ion:117 Resp: 328930
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.6
119 32.8 29.3 43.9



#64
Tetrachloroethene
Concen: 19.960 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion:164 Resp: 52855
Ion Ratio Lower Upper
164 100
166 130.1 102.8 154.2
129 88.6 69.4 104.0
131 86.9 67.9 101.9

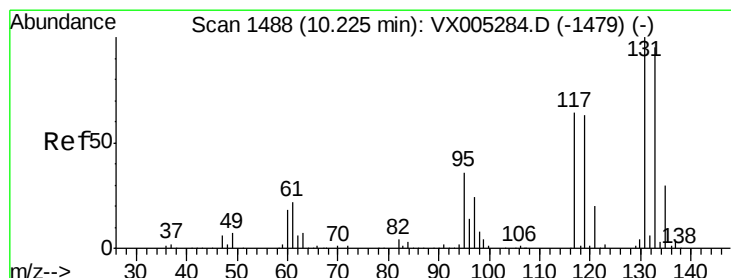
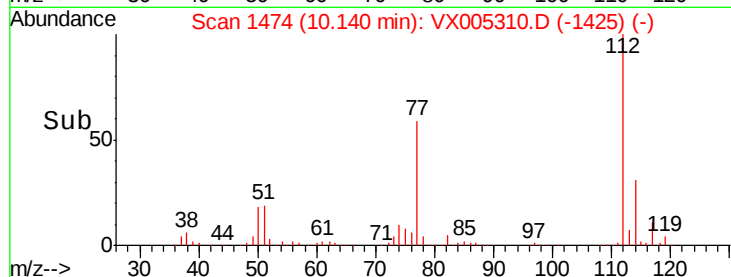
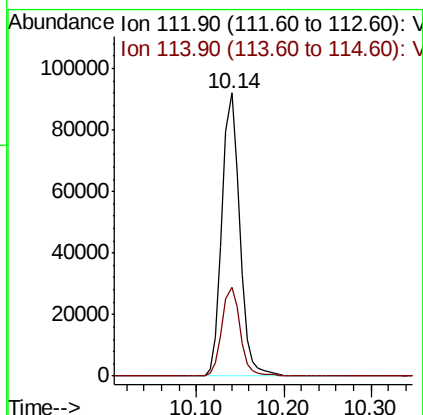
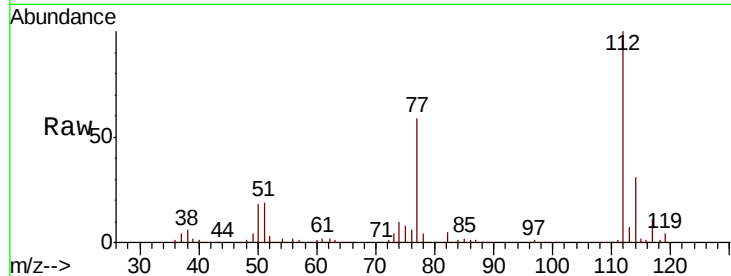




#65
Chlorobenzene
Concen: 18.506 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

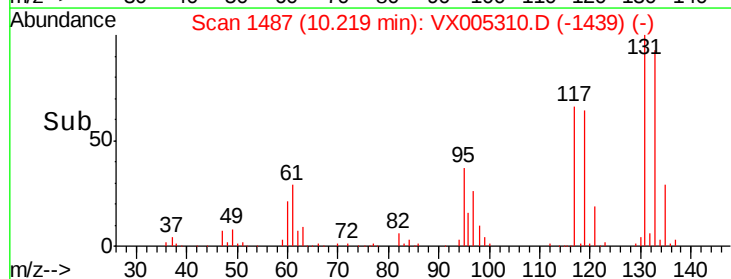
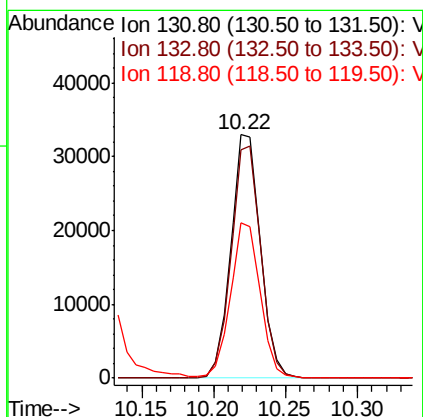
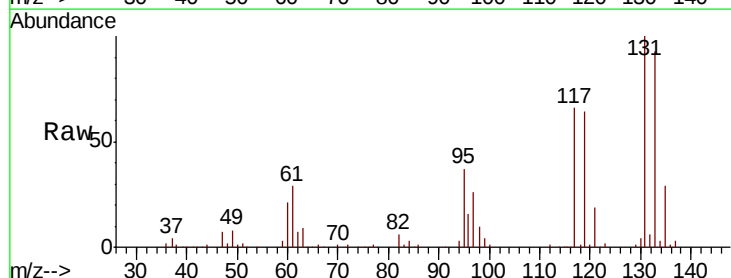
Instrument :
MSVOA_X
ClientSampled :
VX1012WBS02

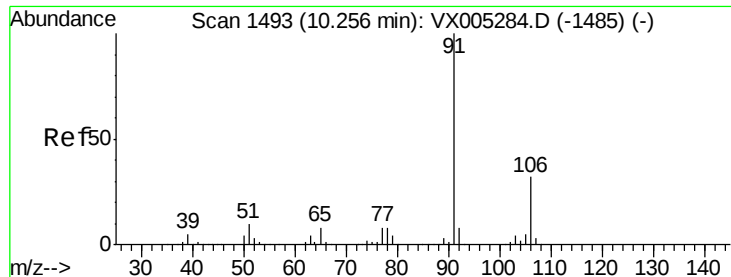
Tot Ion:112 Resp: 129484
Ion Ratio Lower Upper
112 100
114 31.2 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.924 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion:131 Resp: 47184
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 64.4 32.9 98.6





#67

Ethyl Benzene

Concen: 18.874 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampled :

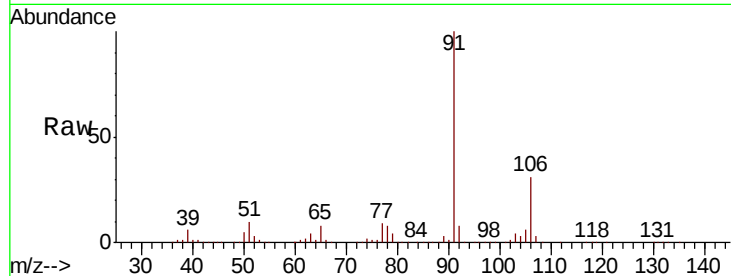
VX1012WBS02

Tot Ion: 91 Resp: 214677

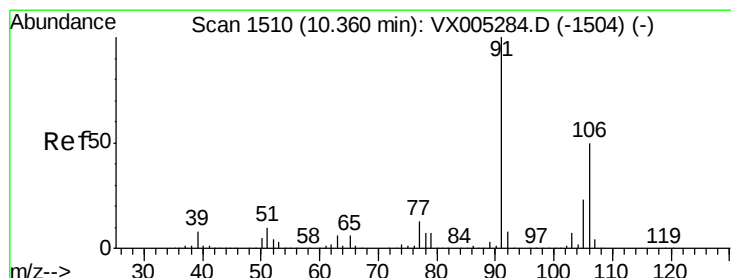
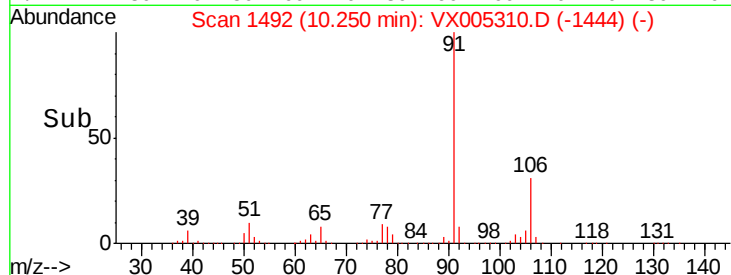
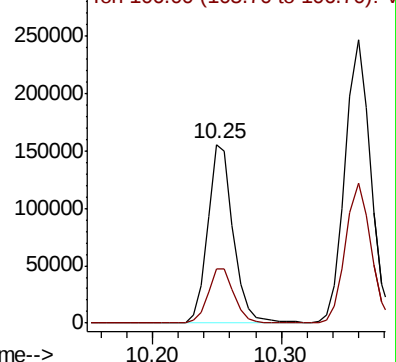
Ion Ratio Lower Upper

91 100

106 30.6 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)



#68

m/p-Xylenes

Concen: 38.436 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005310.D

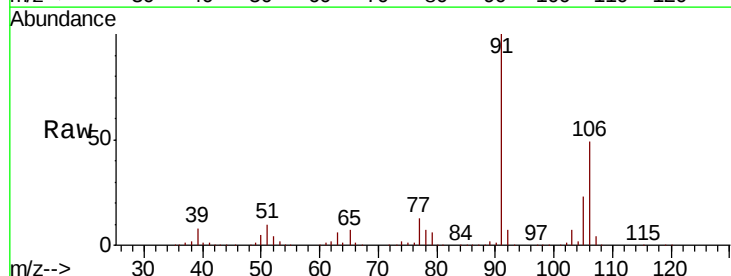
Acq: 12 Oct 2018 23:38

Tgt Ion: 106 Resp: 169688

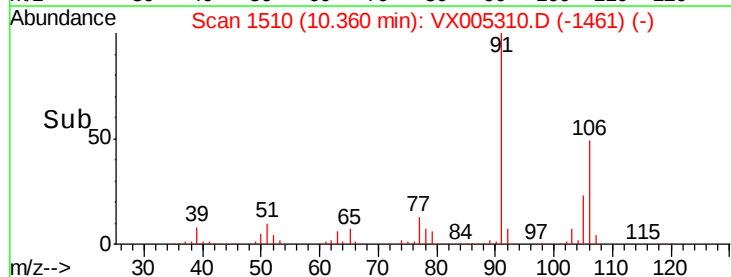
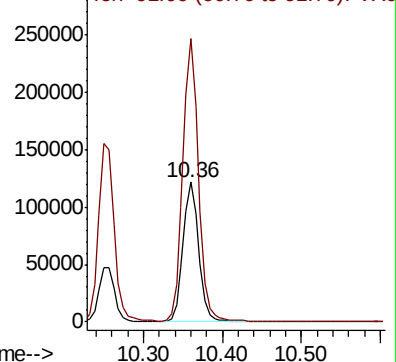
Ion Ratio Lower Upper

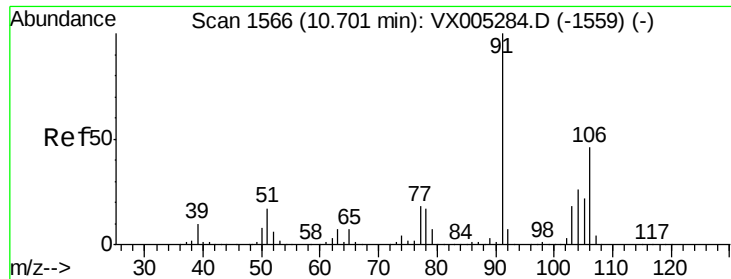
106 100

91 201.9 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)

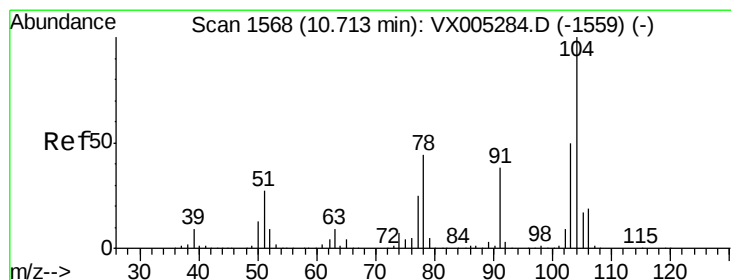
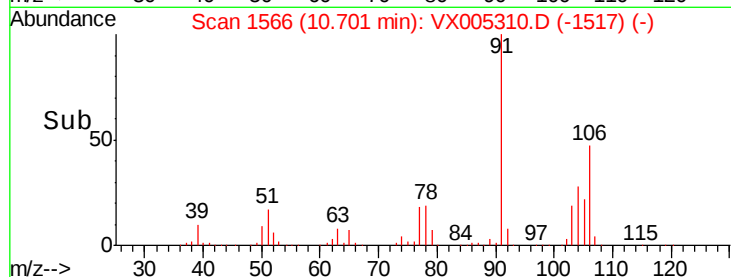
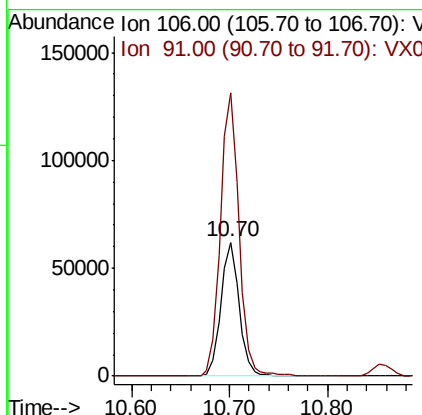
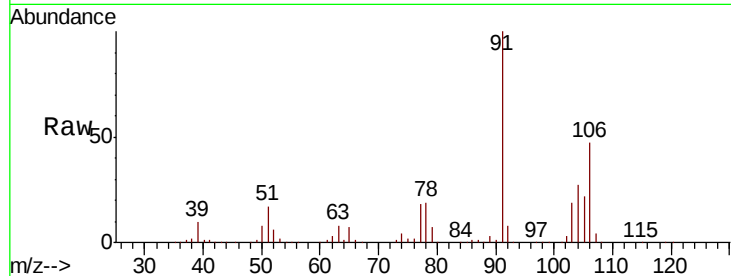




#69
o-Xylene
Concen: 18.968 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

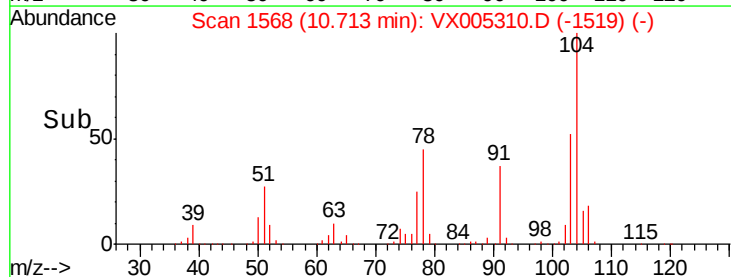
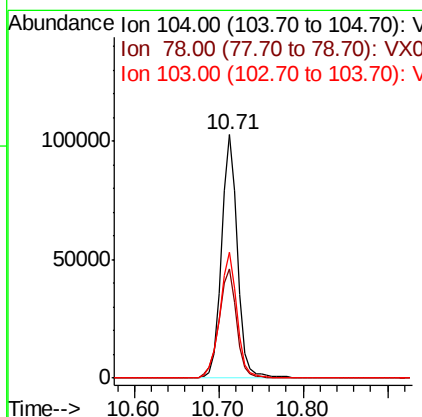
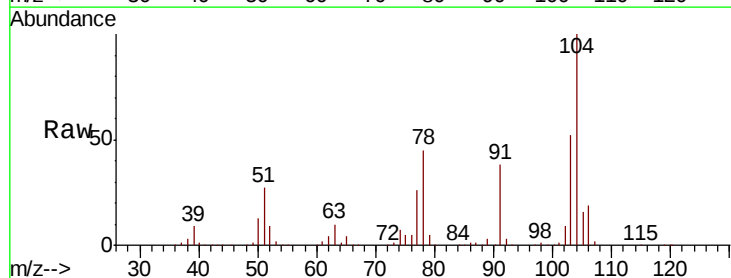
Instrument :
MSVOA_X
ClientSampled :
VX1012WBS02

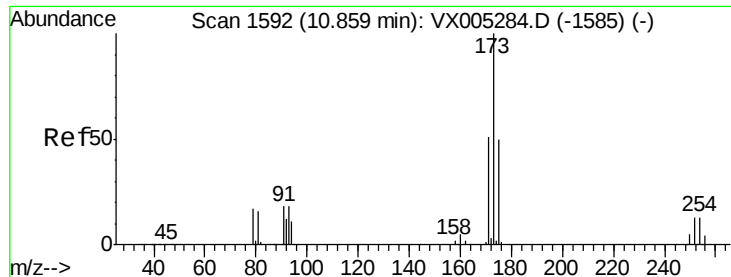
Tot Ion:106 Resp: 80762
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.1



#70
Styrene
Concen: 19.328 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion:104 Resp: 135358
Ion Ratio Lower Upper
104 100
78 49.9 37.4 56.0
103 55.7 43.8 65.6





#71

Bromoform

Concen: 17.868 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

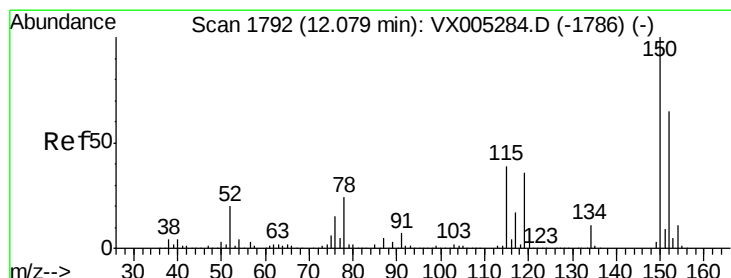
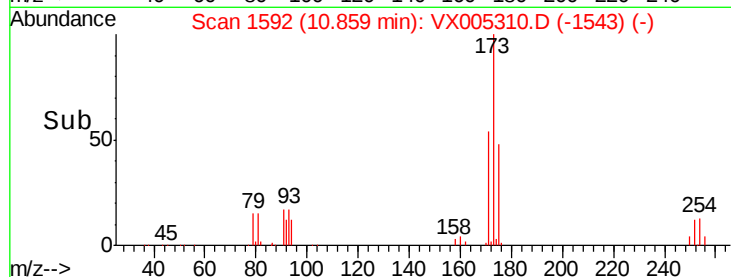
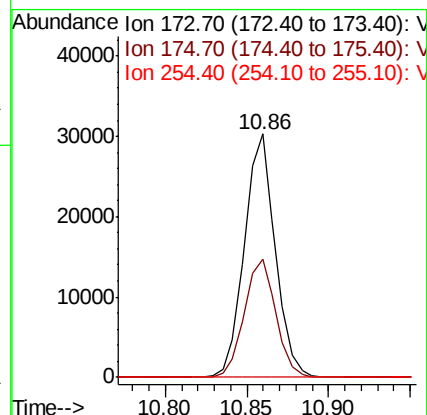
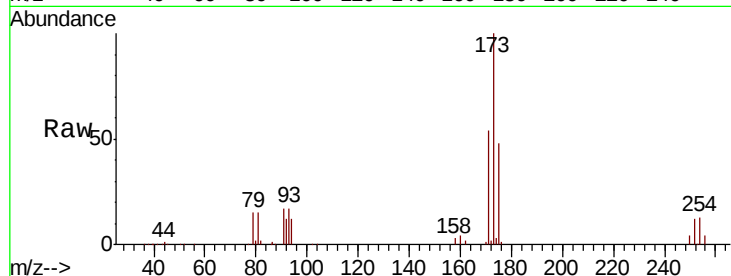
Tot Ion:173 Resp: 39813

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.3

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

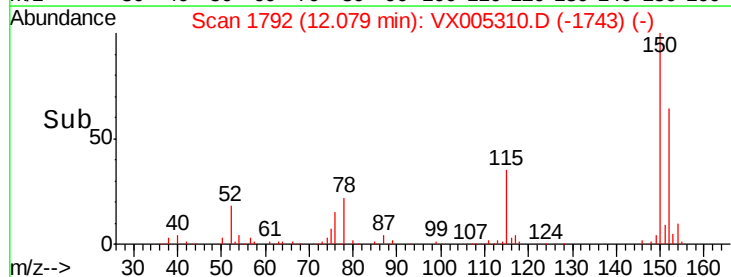
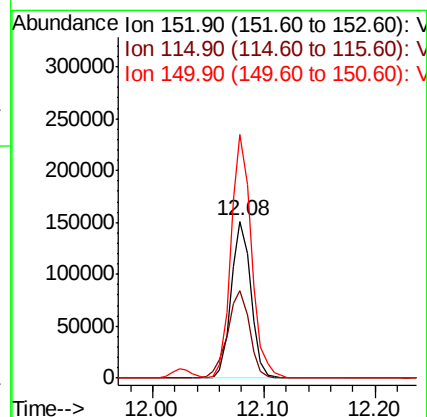
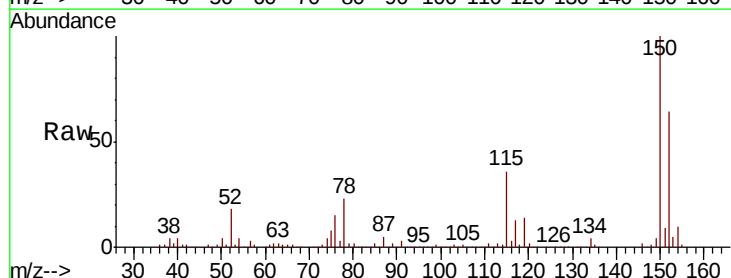
Tgt Ion:152 Resp: 184341

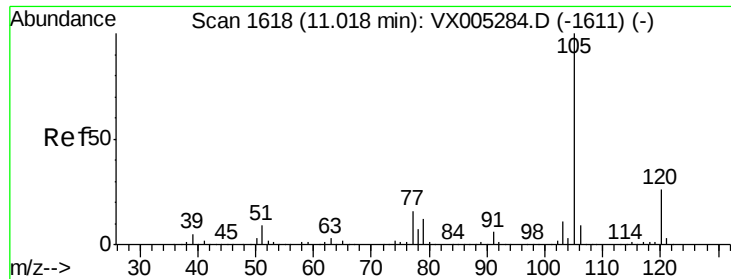
Ion Ratio Lower Upper

152 100

115 63.3 39.0 117.0

150 161.2 0.0 351.0





#73

Isopropylbenzene

Concen: 20.086 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

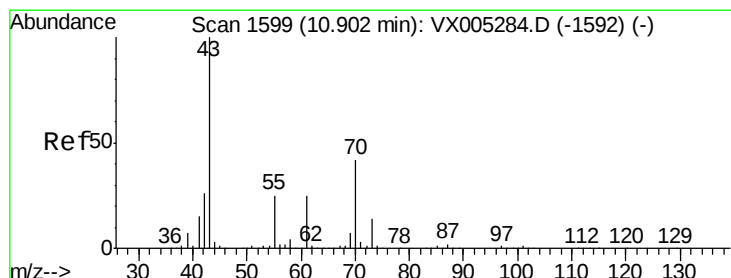
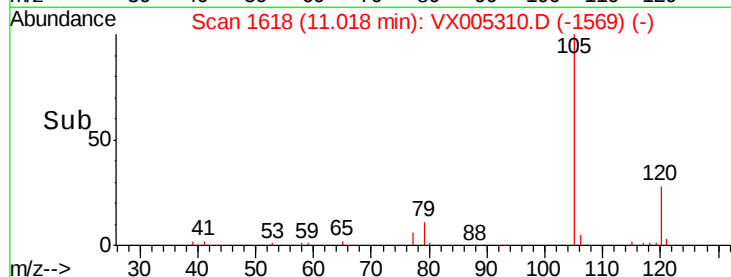
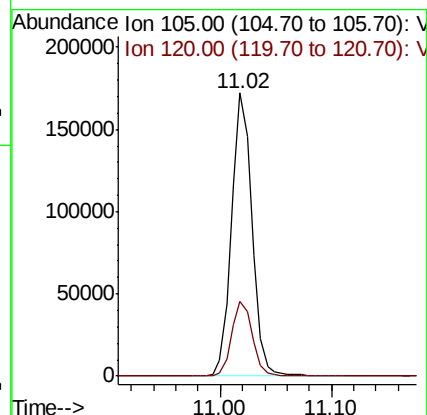
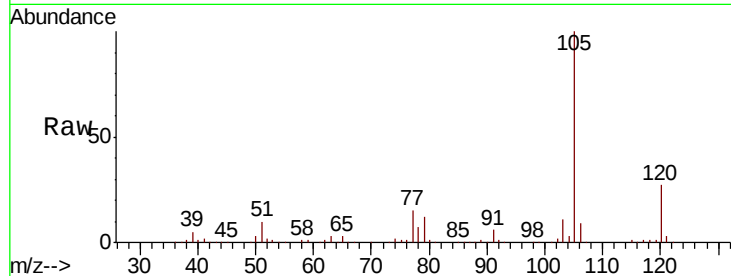
VX1012WBS02

Tot Ion:105 Resp: 220118

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 18.618 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion: 43 Resp: 98405

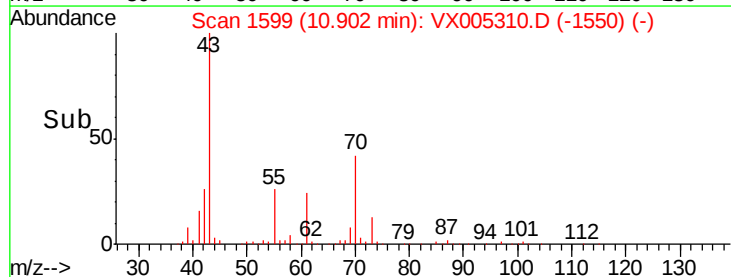
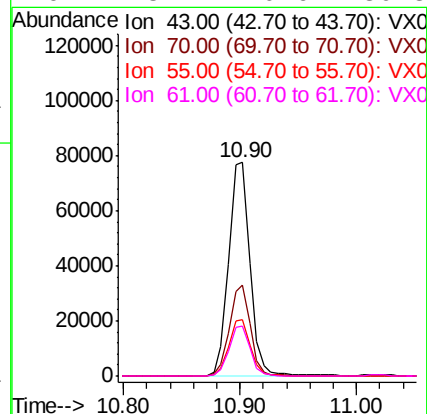
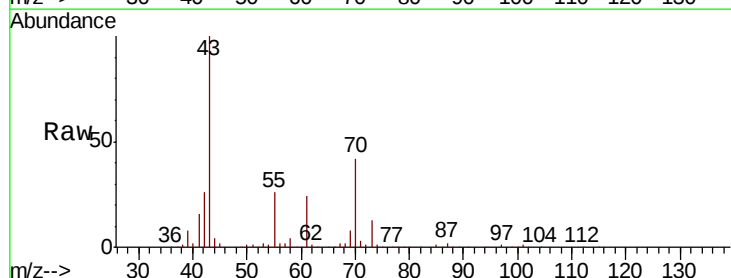
Ion Ratio Lower Upper

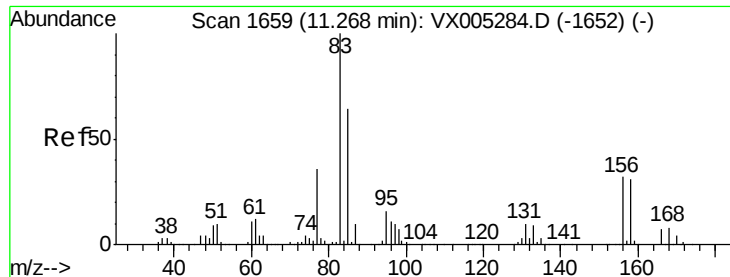
43 100

70 41.7 37.4 56.0

55 27.0 21.8 32.8

61 23.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.380 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

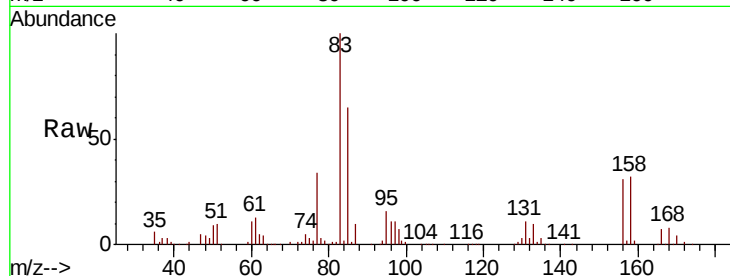
Tot Ion: 83 Resp: 75981

Ion Ratio Lower Upper

83 100

131 11.0 5.2 15.6

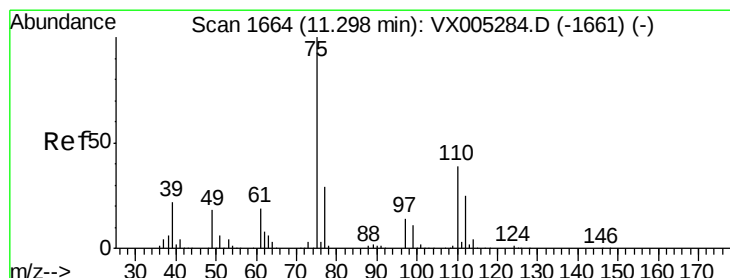
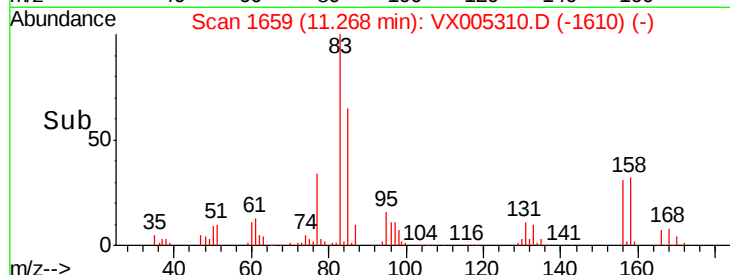
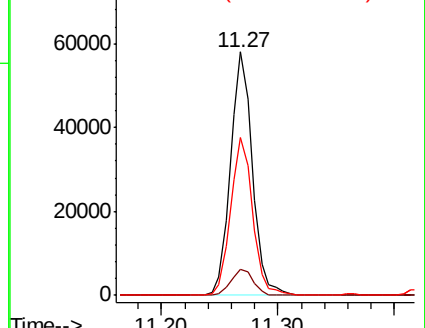
85 65.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.216 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005310.D

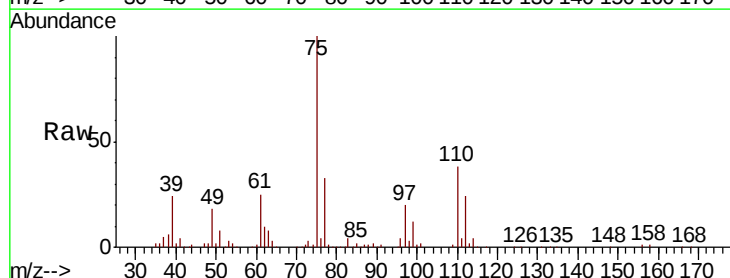
Acq: 12 Oct 2018 23:38

Tgt Ion: 75 Resp: 86588

Ion Ratio Lower Upper

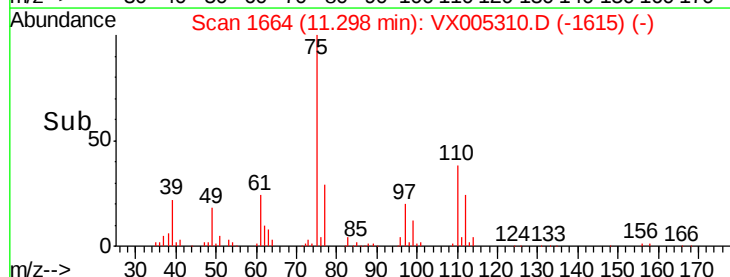
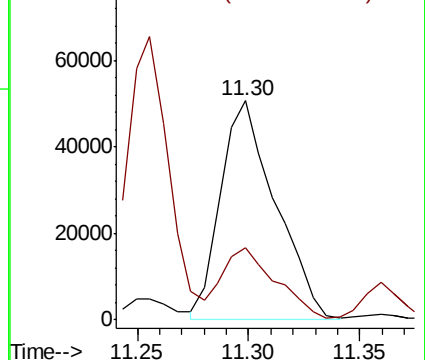
75 100

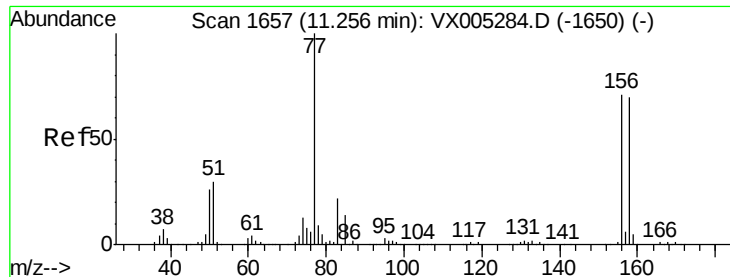
77 32.3 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.394 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

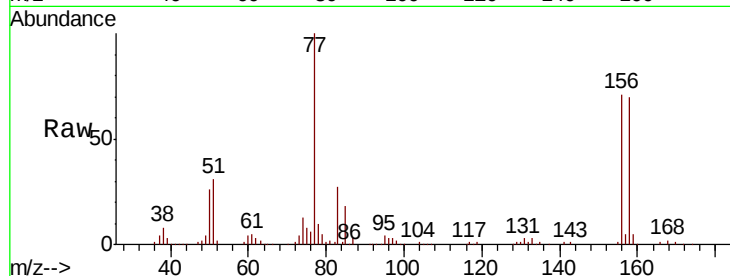
Tot Ion:156 Resp: 60767

Ion Ratio Lower Upper

156 100

77 143.2 71.5 214.3

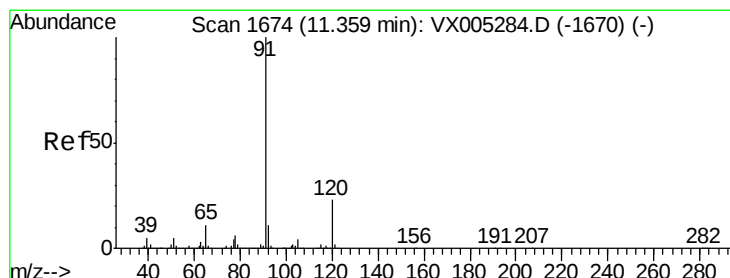
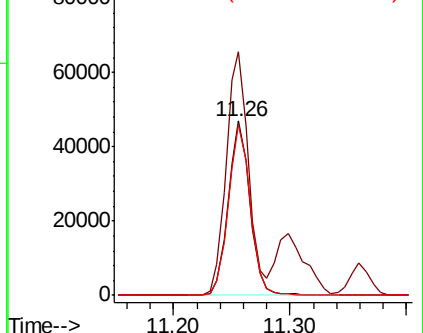
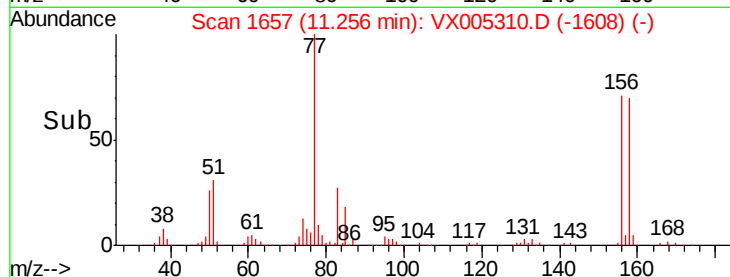
158 98.7 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.803 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005310.D

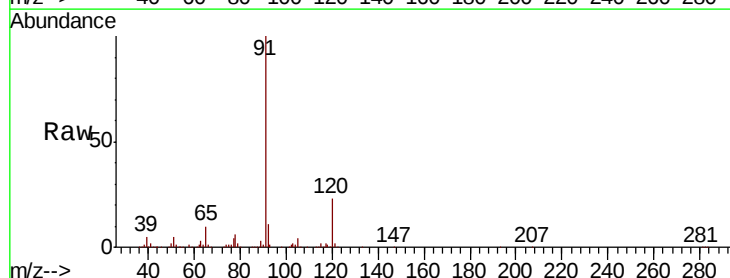
Acq: 12 Oct 2018 23:38

Tgt Ion: 91 Resp: 249726

Ion Ratio Lower Upper

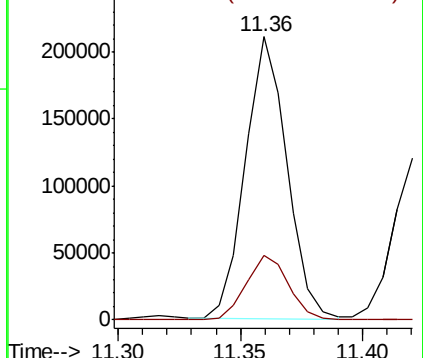
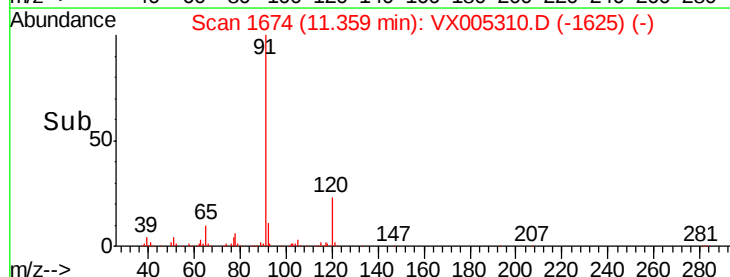
91 100

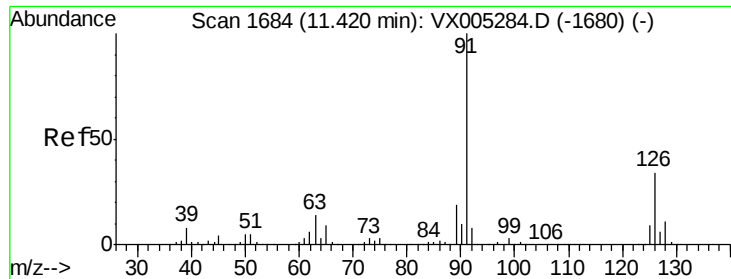
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

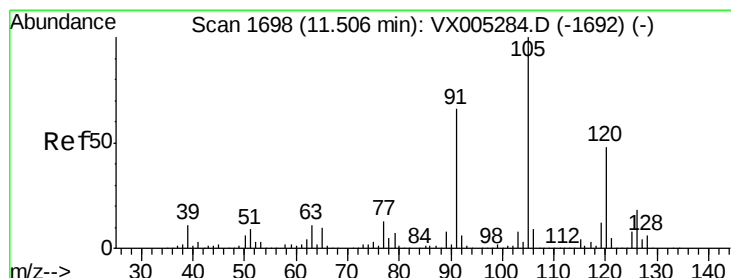
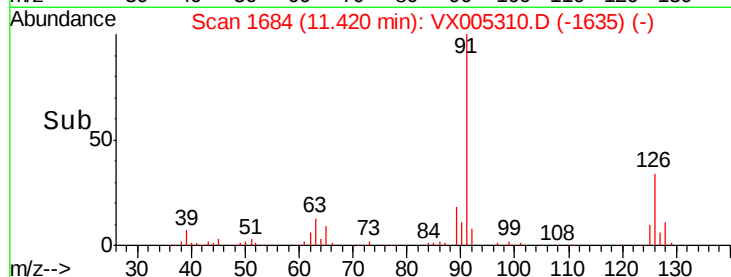
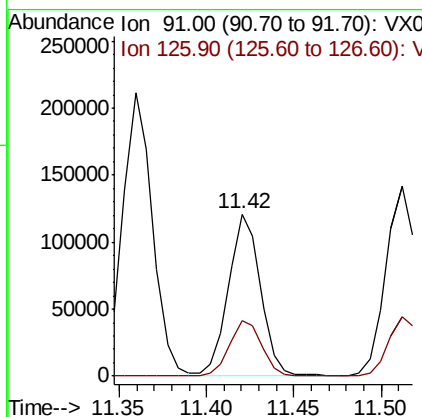
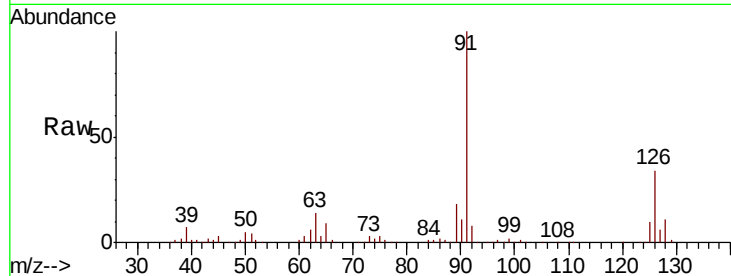




#79
 2-Chlorotoluene
 Concen: 19.802 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

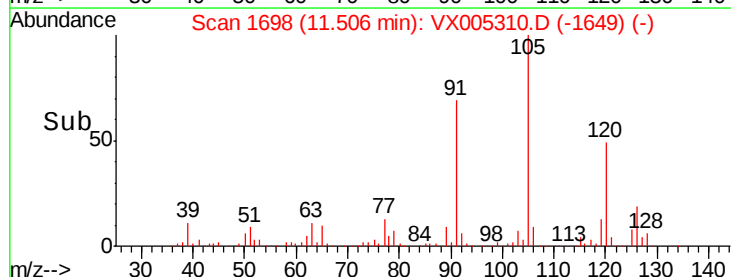
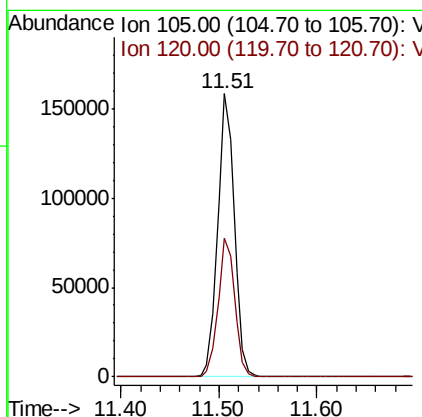
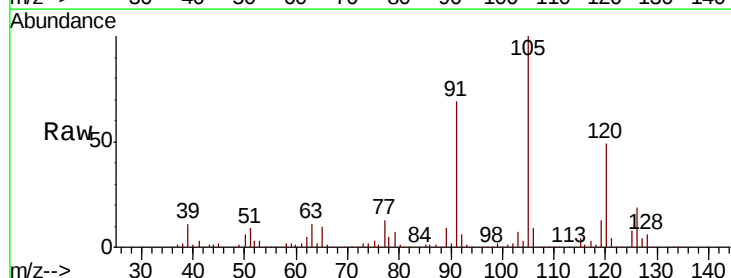
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

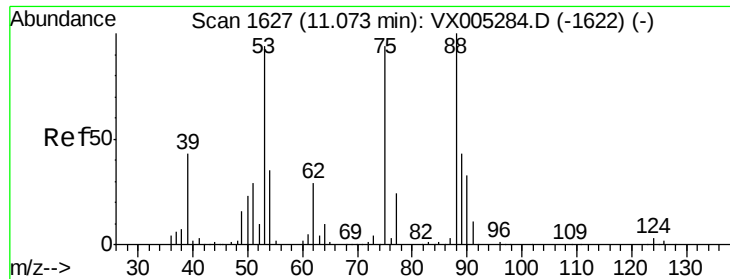
Tot Ion: 91 Resp: 152932
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.978 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 105 Resp: 187481
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.339 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

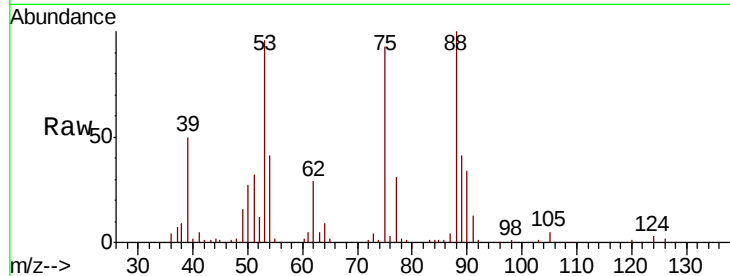
Tot Ion: 75 Resp: 19228

Ion Ratio Lower Upper

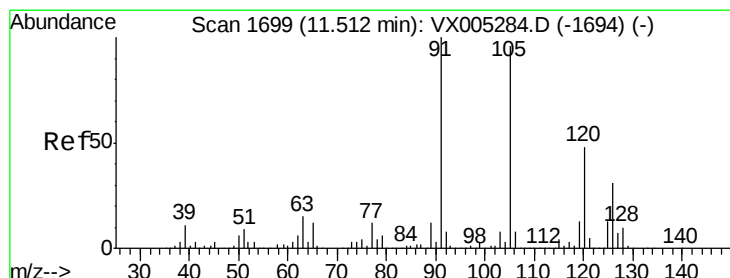
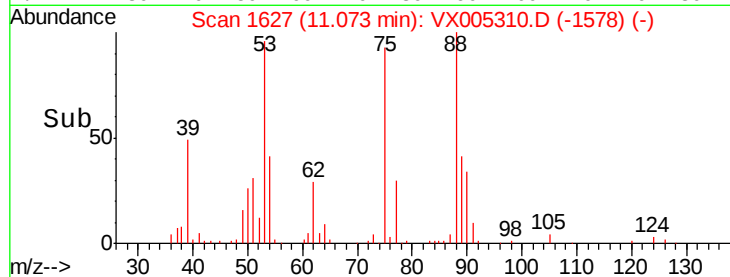
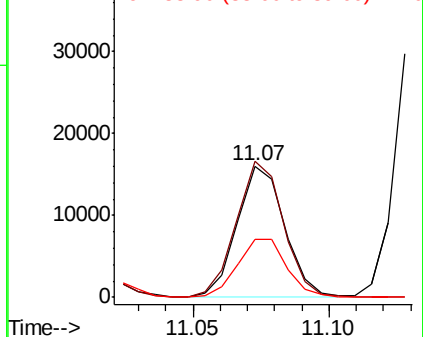
75 100

53 105.9 80.1 120.1

89 46.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.542 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005310.D

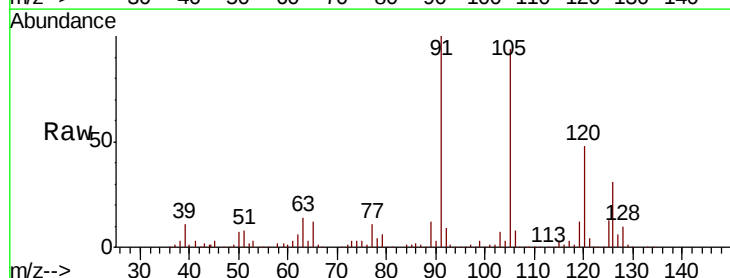
Acq: 12 Oct 2018 23:38

Tgt Ion: 91 Resp: 178910

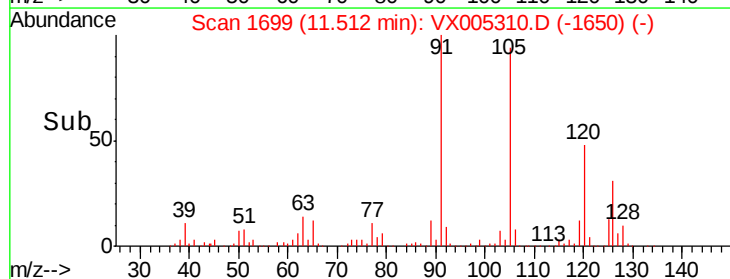
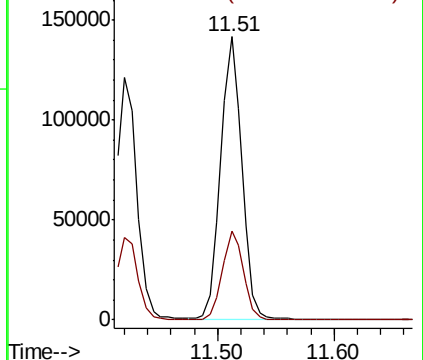
Ion Ratio Lower Upper

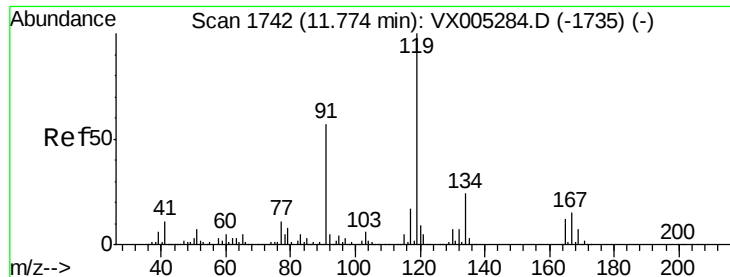
91 100

126 31.2 15.5 46.5



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

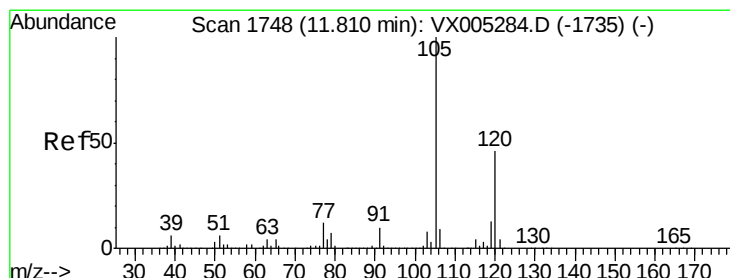
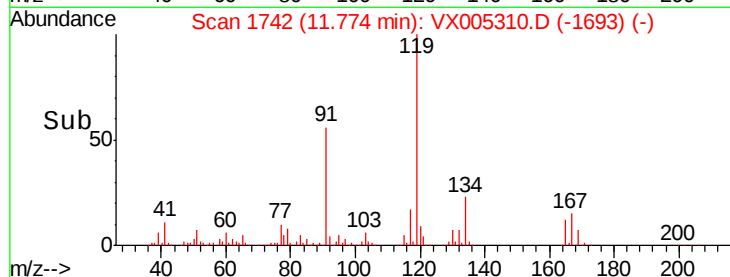
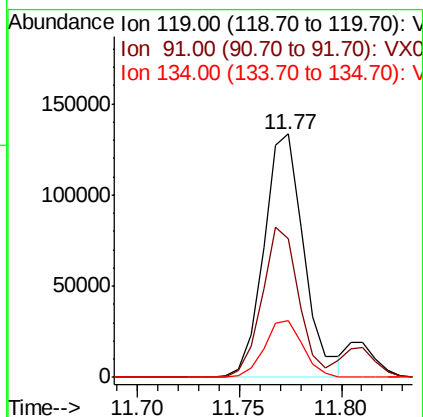
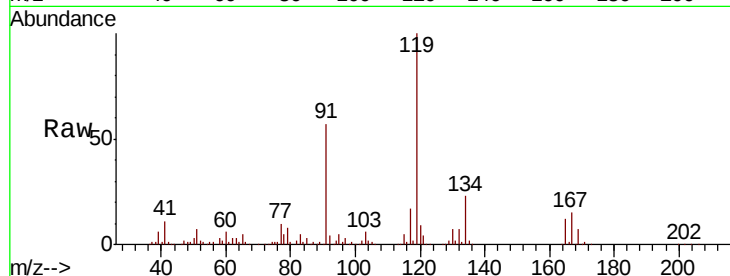




#83
 tert-Butylbenzene
 Concen: 19.214 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

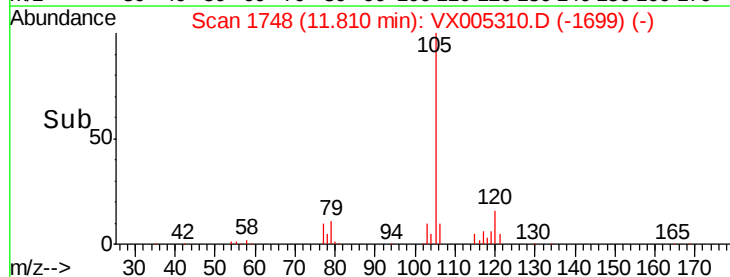
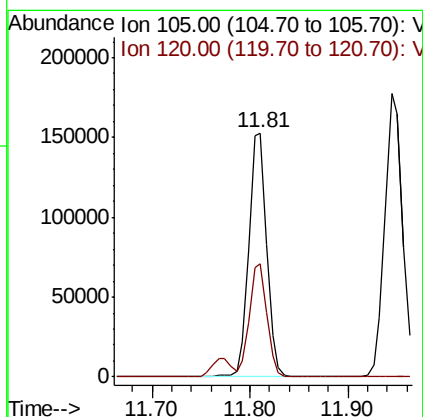
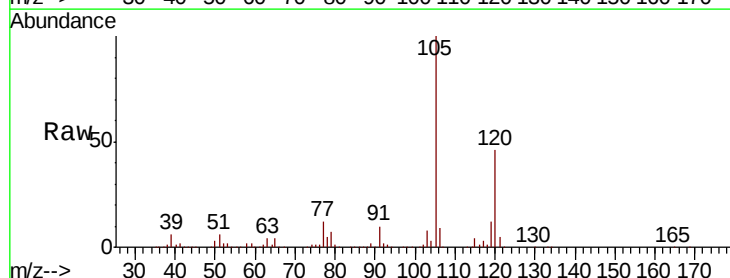
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

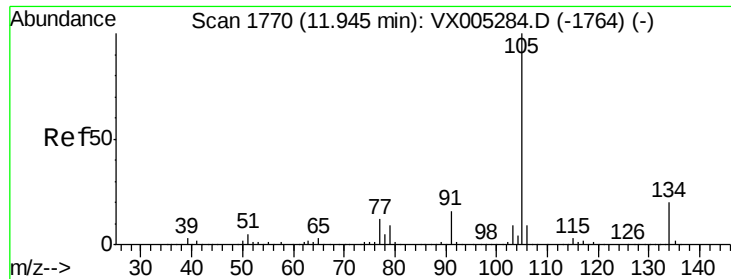
Tot Ion:119 Resp: 182586
 Ion Ratio Lower Upper
 119 100
 91 56.6 27.0 81.0
 134 22.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.078 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion:105 Resp: 193895
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.922 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

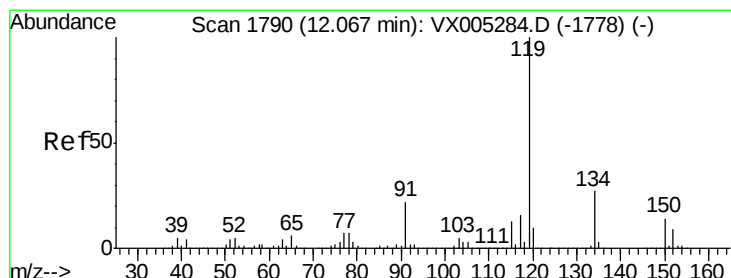
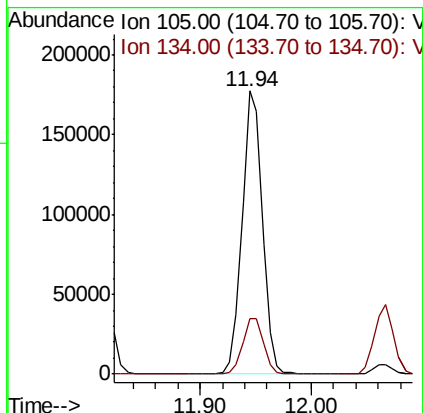
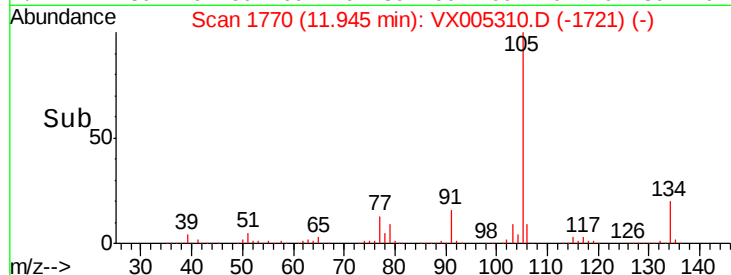
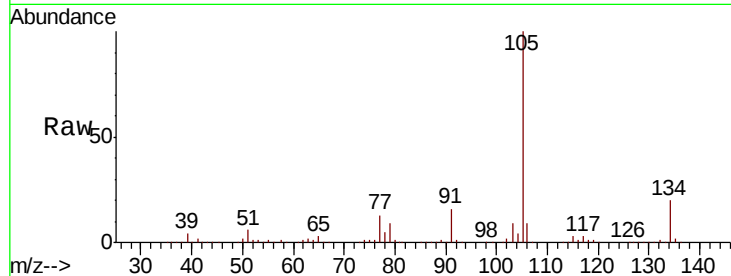
VX1012WBS02

Tot Ion:105 Resp: 224044

Ion Ratio Lower Upper

105 100

134 20.3 10.5 31.5



#86

p-Isopropyltoluene

Concen: 19.624 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

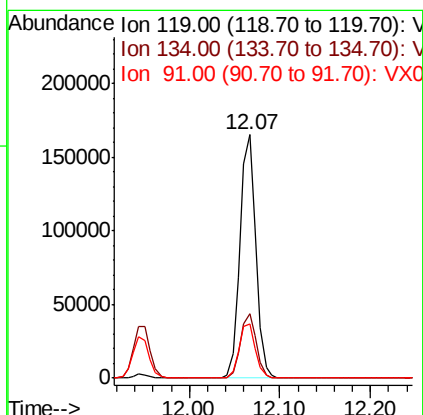
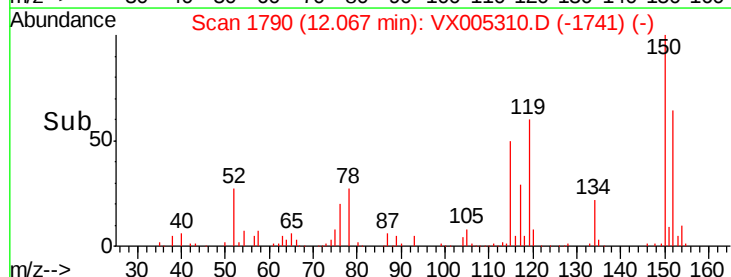
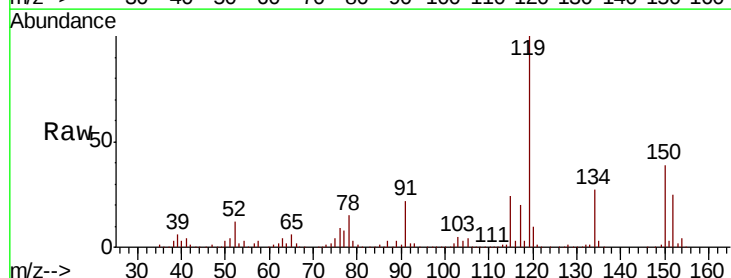
Tgt Ion:119 Resp: 199474

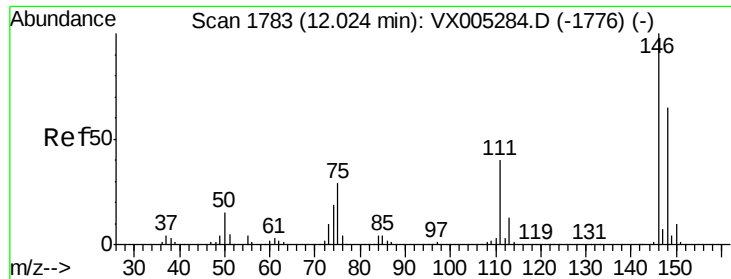
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.8 10.9 32.7

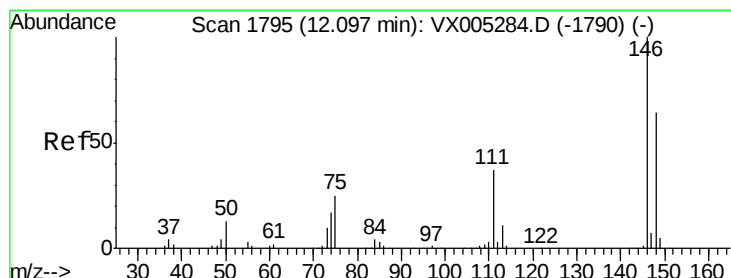
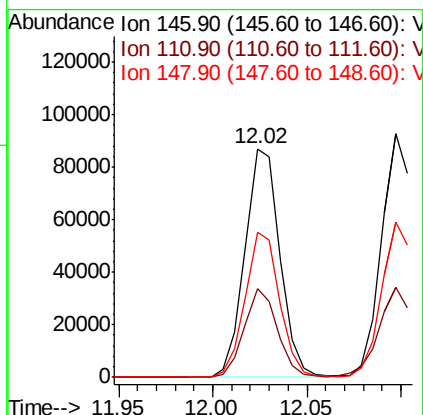
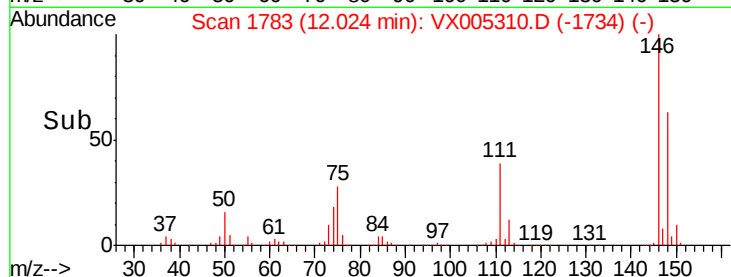
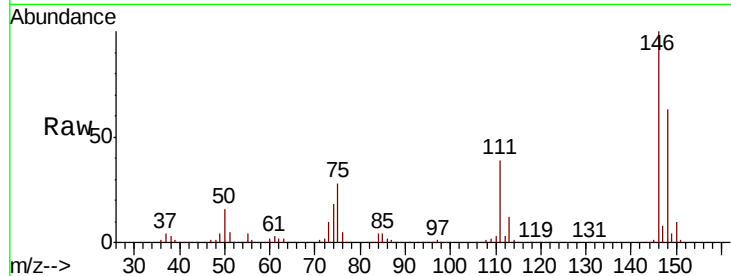




#87
 1,3-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

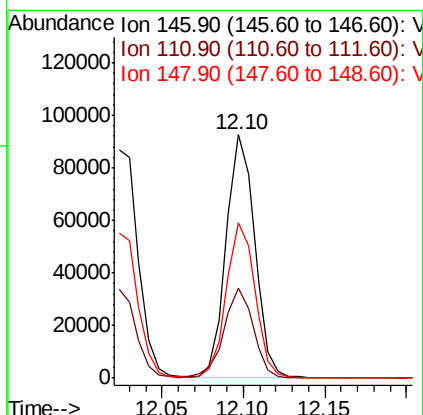
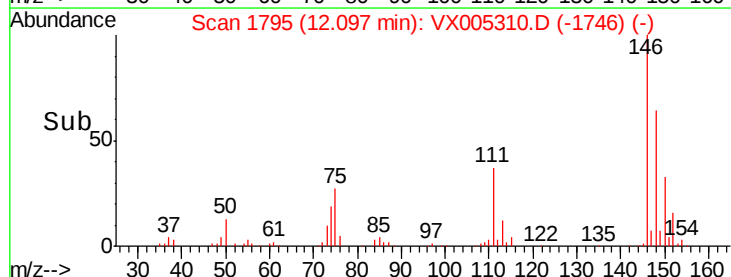
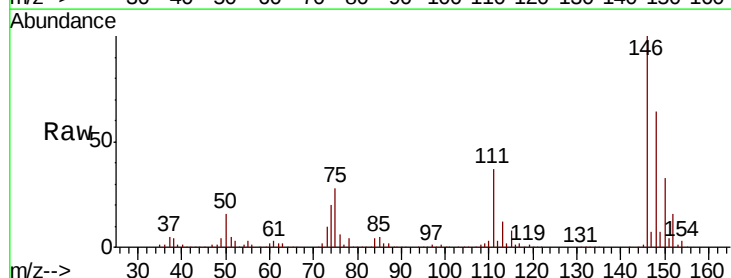
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

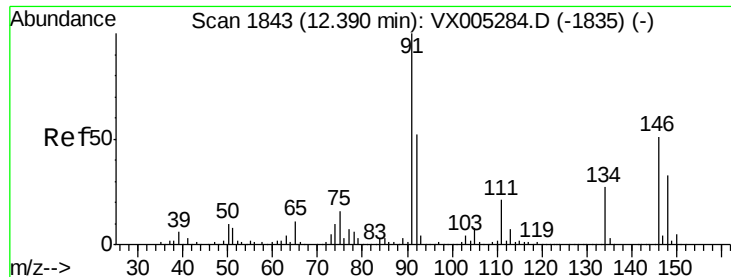
Tot Ion:146 Resp: 112642
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.7 56.1
 148 62.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.915 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion:146 Resp: 113296
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.1
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 18.163 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

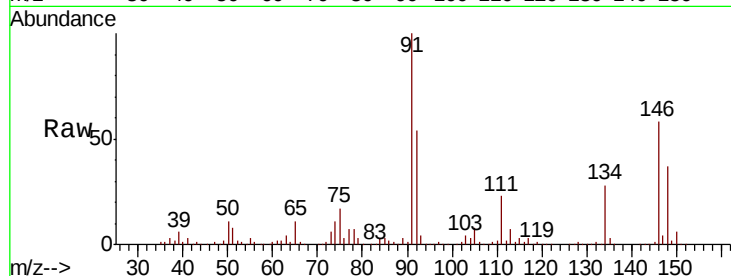
Tot Ion: 91 Resp: 167631

Ion Ratio Lower Upper

91 100

92 52.8 27.3 81.9

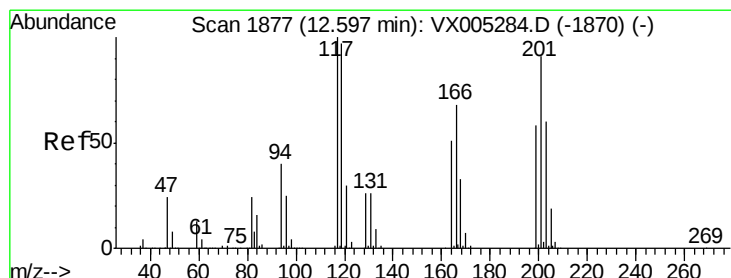
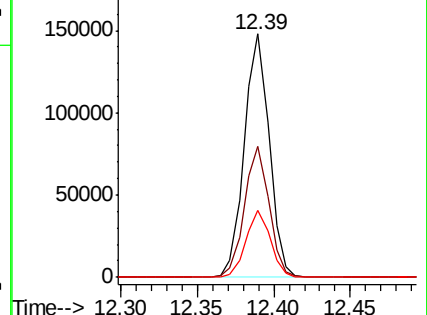
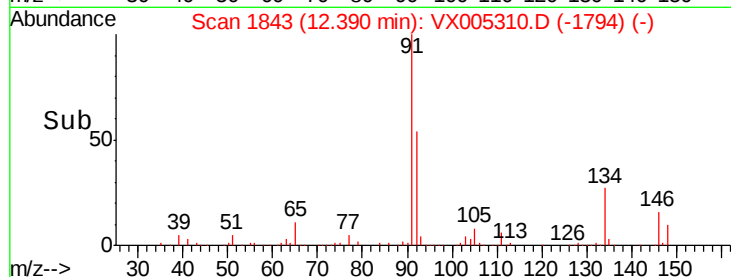
134 26.8 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX005310.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX005310.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX005310.D (-1794) (-)



#90

Hexachloroethane

Concen: 17.815 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005310.D

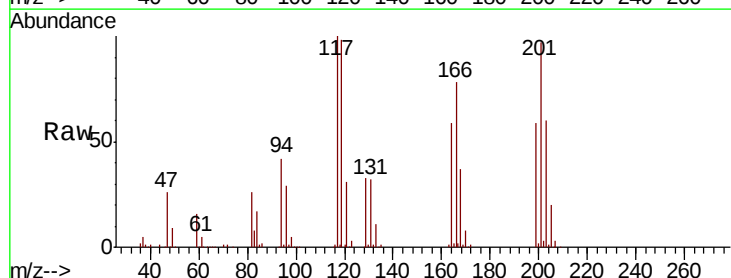
Acq: 12 Oct 2018 23:38

Tgt Ion: 117 Resp: 31208

Ion Ratio Lower Upper

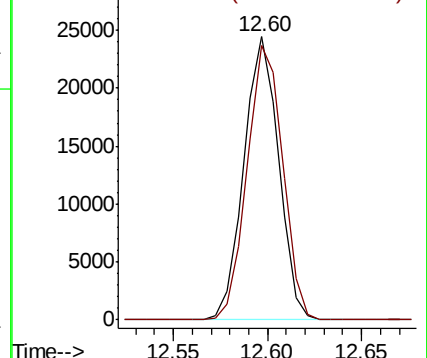
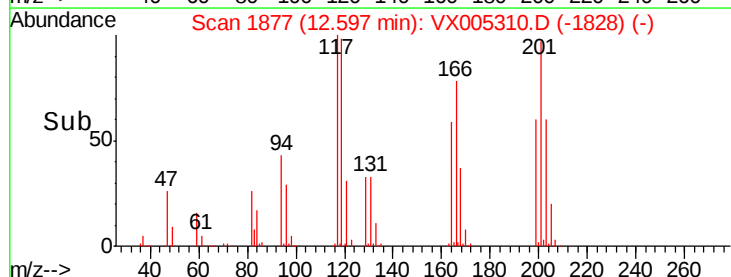
117 100

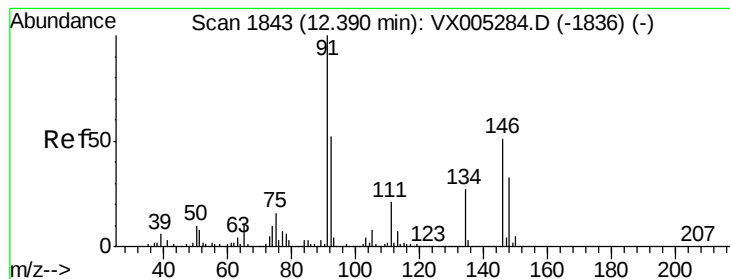
201 99.7 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX005310.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX005310.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 18.999 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

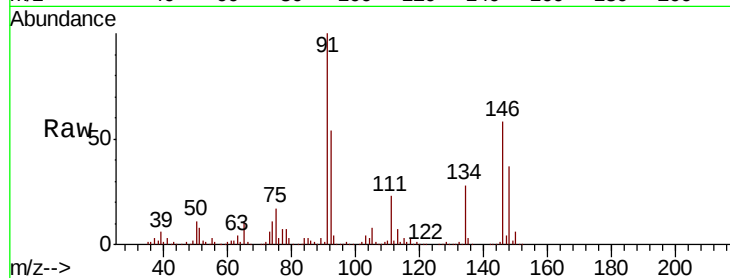
Tot Ion:146 Resp: 113518

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

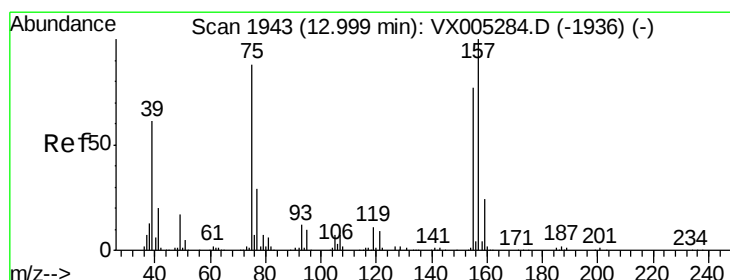
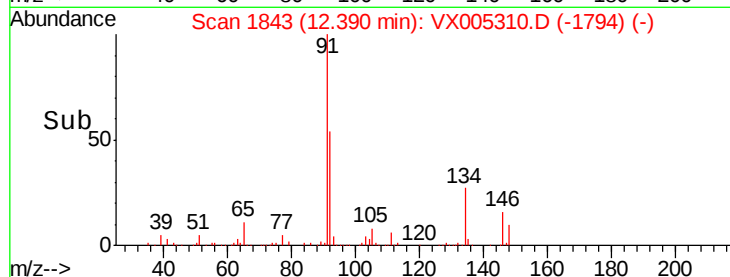
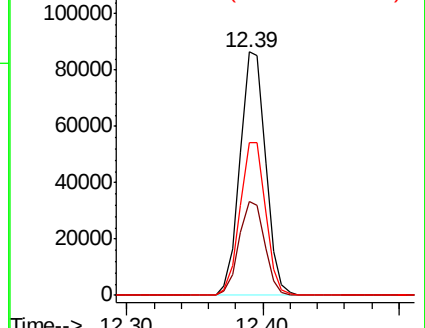
148 63.0 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.143 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

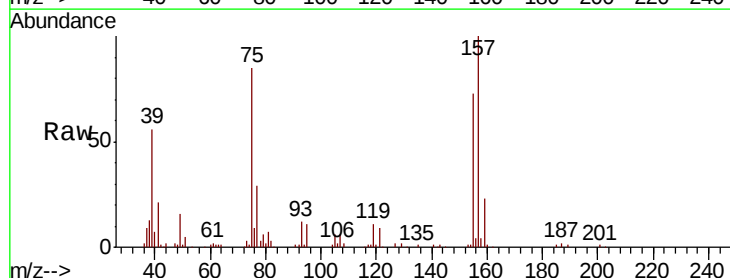
Tgt Ion: 75 Resp: 18295

Ion Ratio Lower Upper

75 100

155 91.5 48.0 144.2

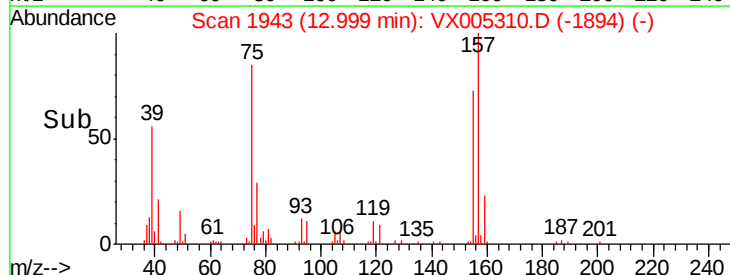
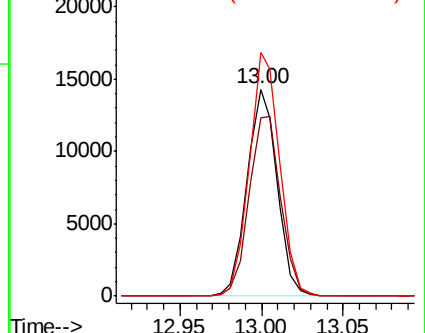
157 119.0 61.4 184.1

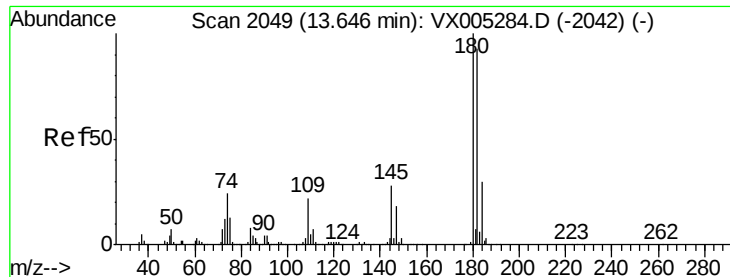


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

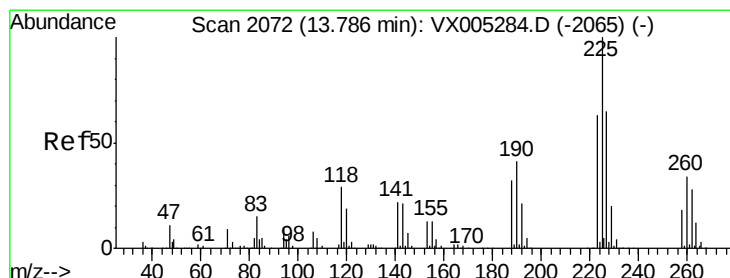
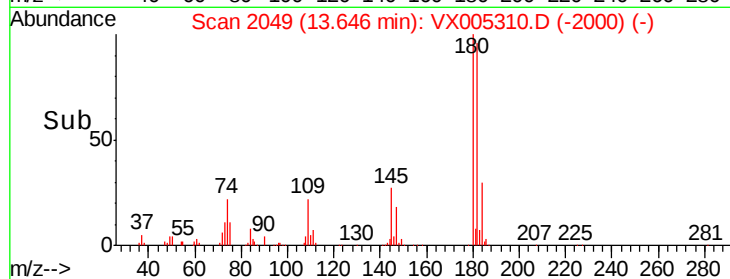
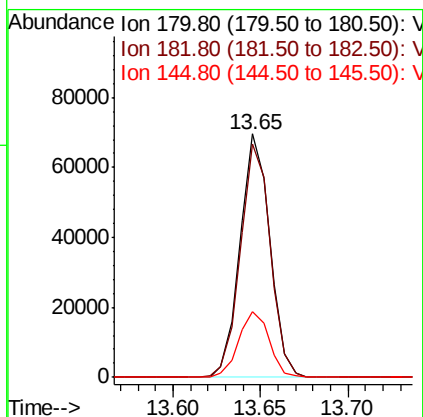
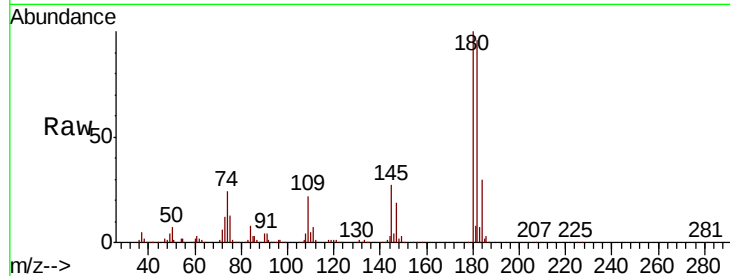




#93
 1,2,4-Trichlorobenzene
 Concen: 18.781 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

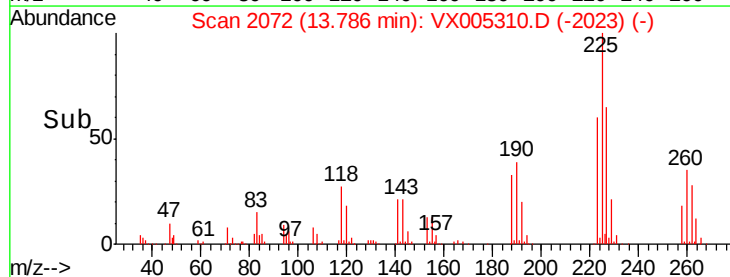
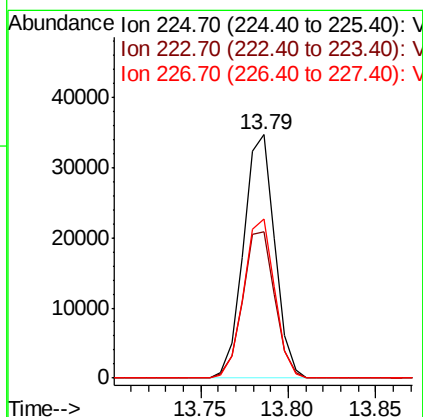
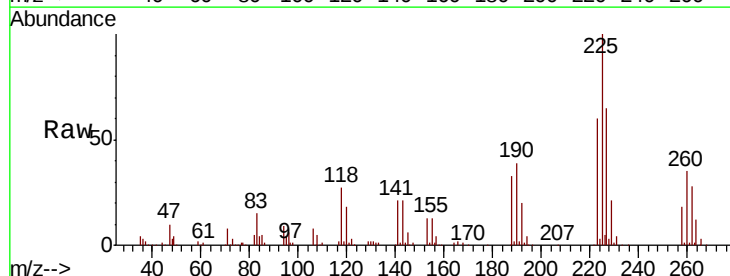
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

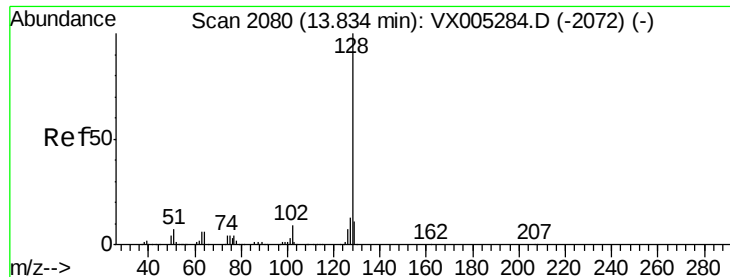
Tot Ion:180 Resp: 82327
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.4 145.0
 145 27.7 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 18.581 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion:225 Resp: 43019
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.1 90.5
 227 65.0 30.8 92.4





#95

Naphthalene

Concen: 19.563 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

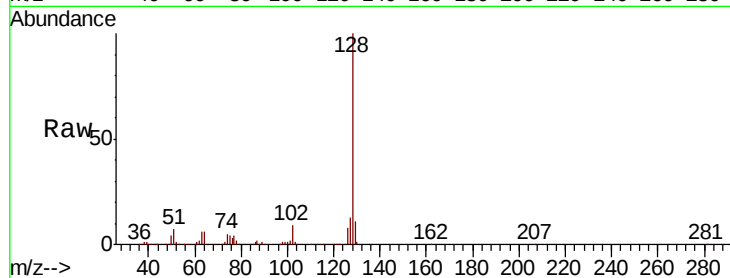
Tot Ion:128 Resp: 248705

Ion Ratio Lower Upper

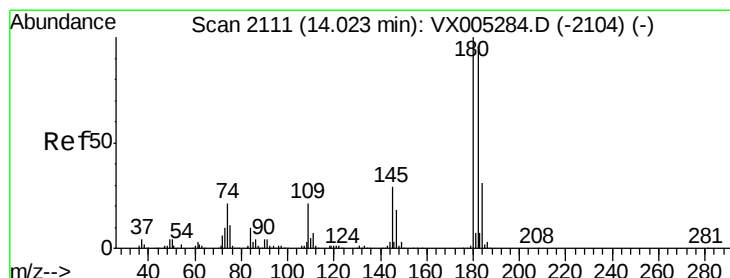
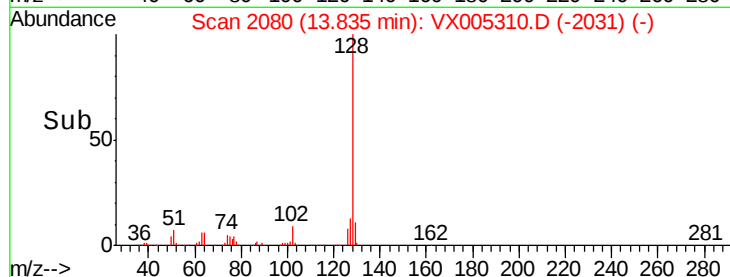
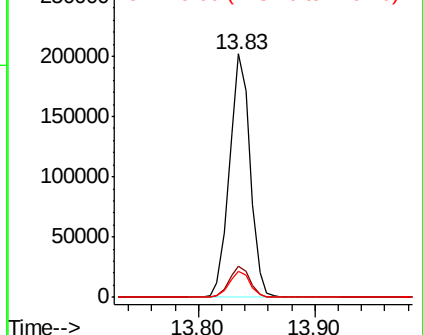
128 100

127 12.8 10.2 15.2

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.009 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

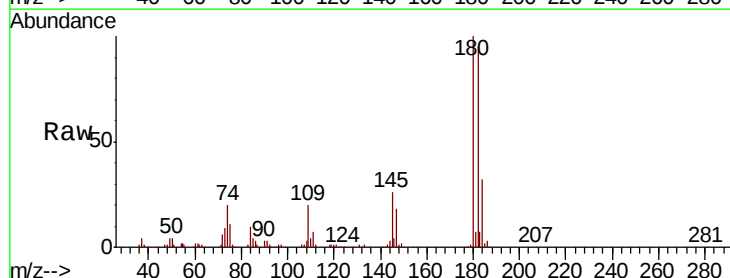
Tgt Ion:180 Resp: 85263

Ion Ratio Lower Upper

180 100

182 97.2 48.5 145.6

145 29.1 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

