

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005078.D
 Acq On : 05 Oct 2018 20:38
 Operator : JC/MD
 Sample : VX1005WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Quant Time: Oct 05 23:49:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225319	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	330278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187724	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	157525	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	5.50	113	127707	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	8.72	98	470491	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	173256	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	62966	20.496	ug/l	96
3) Chloromethane	1.32	50	66863	17.939	ug/l	100
4) Vinyl Chloride	1.40	62	68707	19.654	ug/l	100
5) Bromomethane	1.64	94	38362	18.506	ug/l	96
6) Chloroethane	1.72	64	41062	20.164	ug/l	98
7) Trichlorofluoromethane	1.93	101	91806	21.213	ug/l	95
8) Diethyl Ether	2.18	74	39034	20.761	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52407	21.258	ug/l	99
10) Methyl Iodide	2.51	142	50291	15.245	ug/l	92
11) Tert butyl alcohol	3.07	59	93253	103.617	ug/l	100
12) 1,1-Dichloroethene	2.37	96	48683	19.940	ug/l	95
13) Acrolein	2.29	56	16511	25.785	ug/l	90
14) Allyl chloride	2.73	41	108290	20.329	ug/l	95
15) Acrylonitrile	3.15	53	209981	105.988	ug/l	96
16) Acetone	2.45	43	181948	96.826	ug/l #	88
17) Carbon Disulfide	2.57	76	126417	17.232	ug/l #	95
18) Methyl Acetate	2.78	43	121857	25.595	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	185530	22.031	ug/l	96
20) Methylene Chloride	2.85	84	59553	21.316	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	51699	19.344	ug/l	85
22) Diisopropyl ether	3.87	45	195028	21.742	ug/l	94
23) Vinyl Acetate	3.82	43	806347	98.205	ug/l	95
24) 1,1-Dichloroethane	3.69	63	108116	20.206	ug/l	97
25) 2-Butanone	4.70	43	279609	100.946	ug/l	94
26) 2,2-Dichloropropane	4.59	77	71272	19.128	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	58747	19.677	ug/l	97
28) Bromochloromethane	5.02	49	43673	17.332	ug/l	99
29) Tetrahydrofuran	5.16	42	183907	106.824	ug/l	99
30) Chloroform	5.21	83	98880	19.553	ug/l	100
31) Cyclohexane	5.58	56	86775	21.189	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	82089	19.877	ug/l	97
36) 1,1-Dichloropropene	5.80	75	70186	18.378	ug/l	94
37) Ethyl Acetate	4.86	43	96707	19.076	ug/l	98
38) Carbon Tetrachloride	5.78	117	71211	17.738	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX1005WBS01

Quant Time: Oct 05 23:49:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79454	20.374	ug/l #	84
40) Benzene	6.14	78	221530	18.528	ug/l	96
41) Methacrylonitrile	5.06	41	53780	19.129	ug/l	97
42) 1,2-Dichloroethane	6.20	62	83693	19.801	ug/l	97
43) Isopropyl Acetate	6.46	43	143660	19.634	ug/l	95
44) Trichloroethene	7.21	130	57466	19.551	ug/l	98
45) 1,2-Dichloropropane	7.52	63	59346	20.240	ug/l	96
46) Dibromomethane	7.66	93	36701	19.917	ug/l	100
47) Bromodichloromethane	7.90	83	69626	20.181	ug/l	100
48) Methyl methacrylate	7.78	41	72437	21.811	ug/l	99
49) 1,4-Dioxane	7.76	88	32702	396.348	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	509287	110.544	ug/l	99
52) Toluene	8.79	92	135103	20.564	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	75245	19.300	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	84013	20.574	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	56738	19.716	ug/l	97
56) Ethyl methacrylate	9.18	69	85627	20.148	ug/l	97
57) 1,3-Dichloropropane	9.37	76	95701	19.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	245263	107.518	ug/l	99
59) 2-Hexanone	9.50	43	398778	103.870	ug/l	95
60) Dibromochloromethane	9.59	129	55811	19.392	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58506	18.983	ug/l	96
64) Tetrachloroethene	9.34	164	61255	19.791	ug/l	97
65) Chlorobenzene	10.14	112	150262	18.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	53627	18.916	ug/l	99
67) Ethyl Benzene	10.26	91	249876	19.518	ug/l	97
68) m/p-Xylenes	10.36	106	195567	39.091	ug/l	95
69) o-Xylene	10.70	106	92996	20.238	ug/l	99
70) Styrene	10.71	104	157556	19.688	ug/l	99
71) Bromoform	10.86	173	44344	18.270	ug/l #	96
73) Isopropylbenzene	11.02	105	259463	21.928	ug/l	100
74) N-amyl acetate	10.90	43	120330	19.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	93358	19.382	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	103901	24.694	ug/l	86
77) Bromobenzene	11.26	156	68516	19.936	ug/l	99
78) n-propylbenzene	11.36	91	291491	21.470	ug/l	99
79) 2-Chlorotoluene	11.42	91	177148	20.934	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	216139	19.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24401	17.176	ug/l	97
82) 4-Chlorotoluene	11.51	91	207446	20.827	ug/l	99
83) tert-Butylbenzene	11.77	119	213452	21.910	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	224482	19.953	ug/l	100
85) sec-Butylbenzene	11.94	105	262263	22.102	ug/l	100
86) p-Isopropyltoluene	12.07	119	231937	21.574	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	127885	19.927	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	127418	19.233	ug/l	98
89) n-Butylbenzene	12.39	91	202326	20.722	ug/l	99
90) Hexachloroethane	12.60	117	34332	19.180	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	127432	19.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21044	19.898	ug/l	99

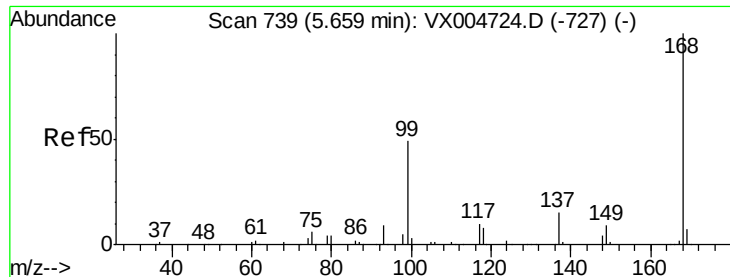
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100518\
Data File : VX005078.D
Acq On : 05 Oct 2018 20:38
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94582	20.104	ug/l	99
94) Hexachlorobutadiene	13.79	225	47949	19.655	ug/l	100
95) Naphthalene	13.83	128	298255	19.545	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	98324	20.232	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: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

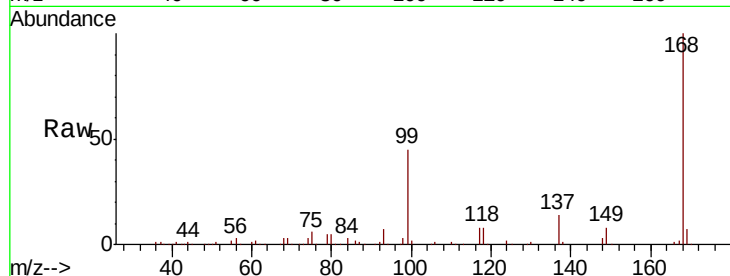
VX1005WBS01

Tot Ion:168 Resp: 225319

Ion Ratio Lower Upper

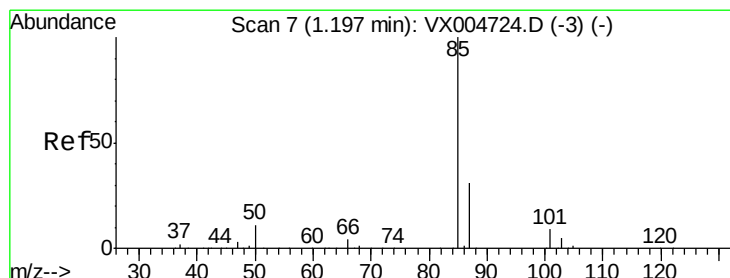
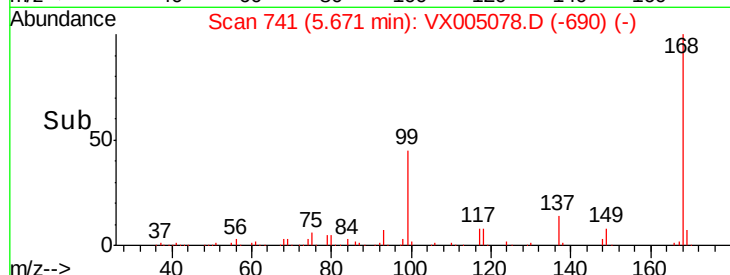
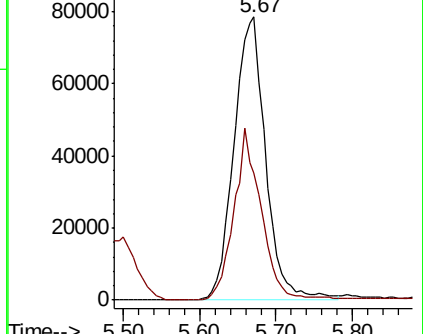
168 100

99 44.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.496 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005078.D

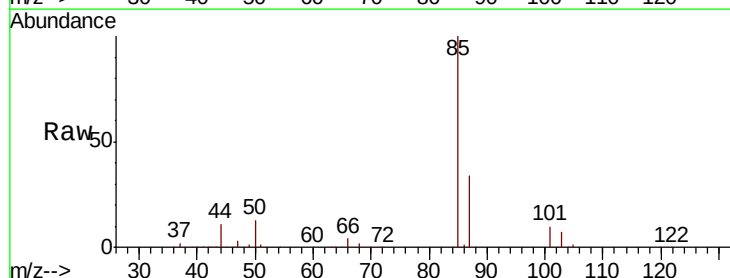
Acq: 05 Oct 2018 20:38

Tgt Ion: 85 Resp: 62966

Ion Ratio Lower Upper

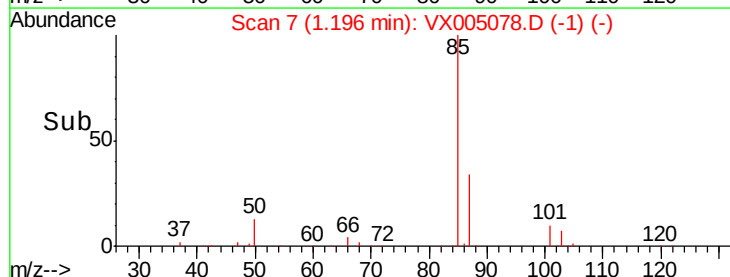
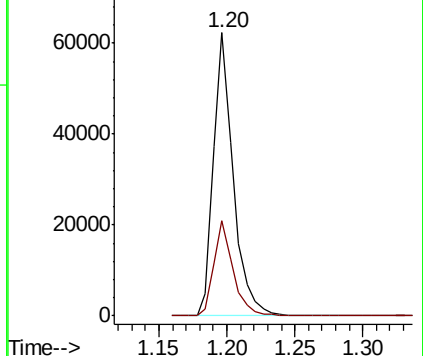
85 100

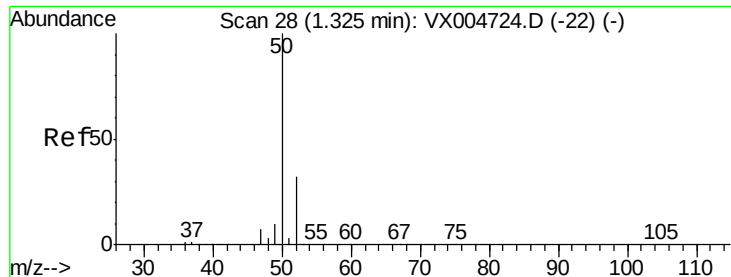
87 33.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.939 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

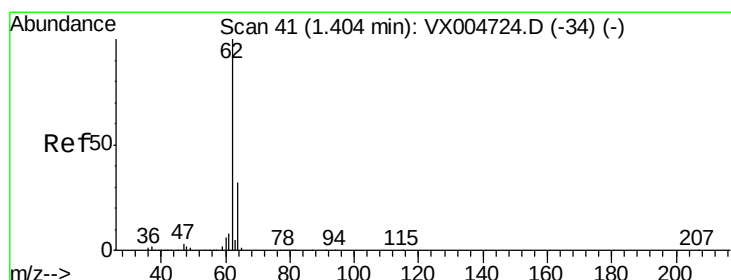
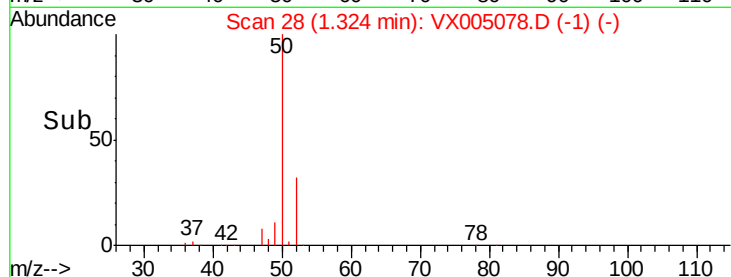
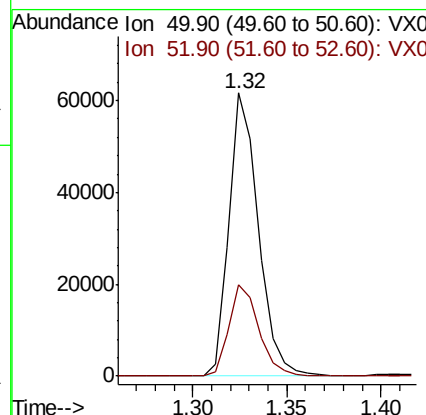
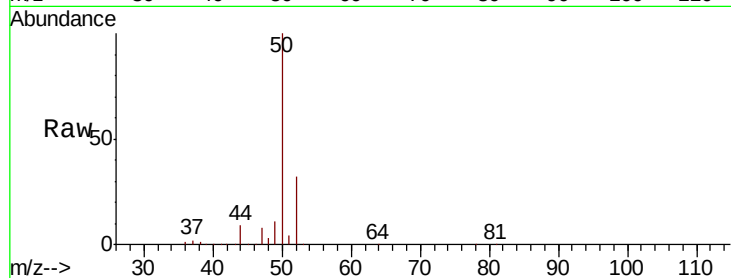
VX1005WBS01

Tot Ion: 50 Resp: 66863

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 19.654 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005078.D

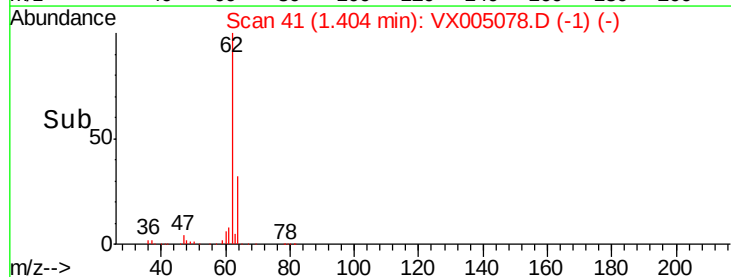
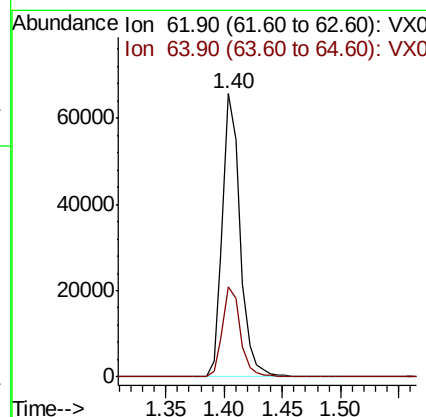
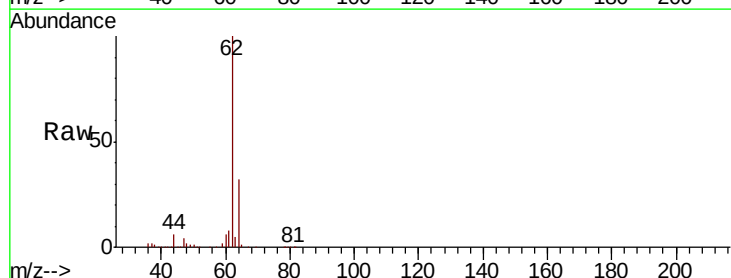
Acq: 05 Oct 2018 20:38

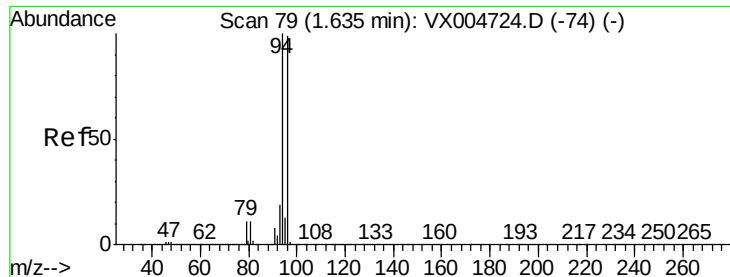
Tgt Ion: 62 Resp: 68707

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 18.506 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

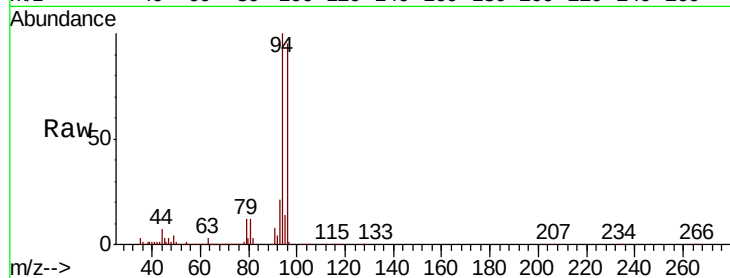
VX1005WBS01

Tot Ion: 94 Resp: 38362

Ion Ratio Lower Upper

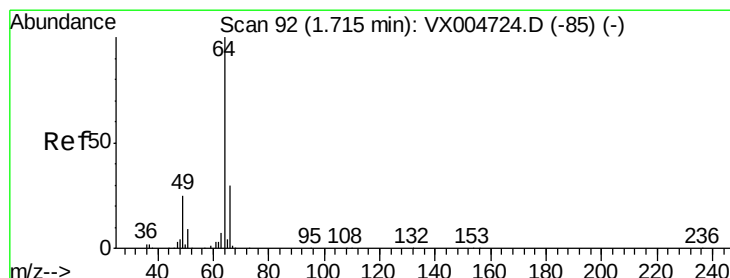
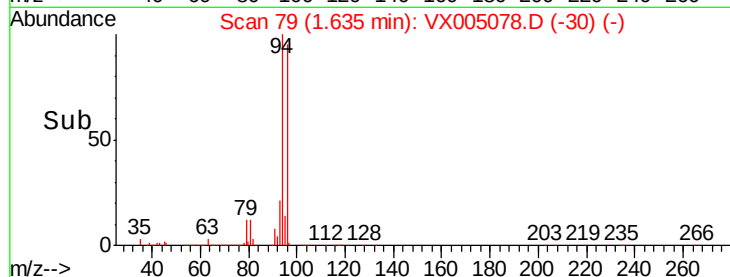
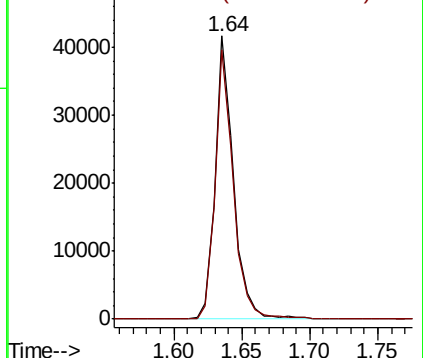
94 100

96 95.1 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.164 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005078.D

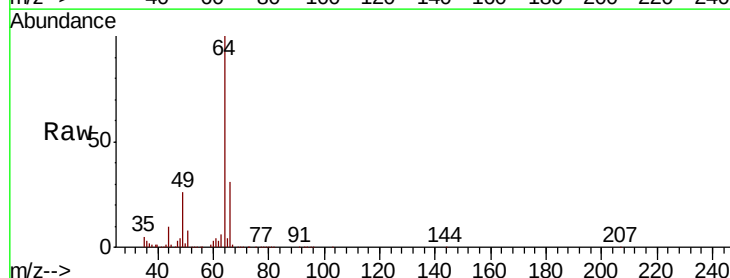
Acq: 05 Oct 2018 20:38

Tgt Ion: 64 Resp: 41062

Ion Ratio Lower Upper

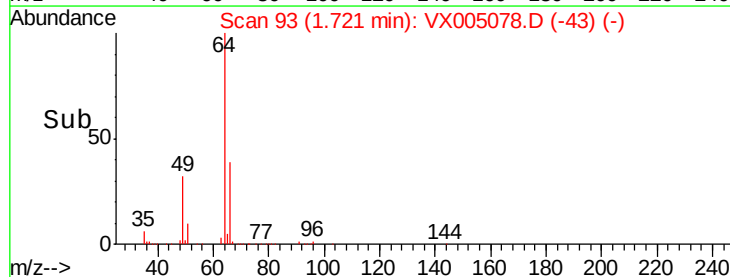
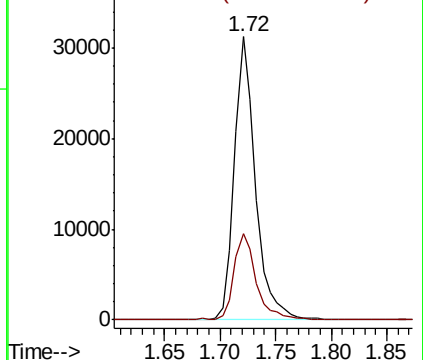
64 100

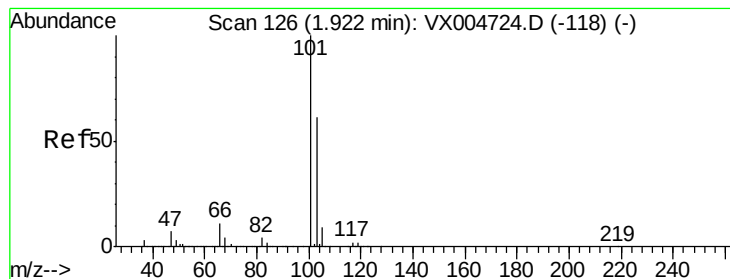
66 30.6 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



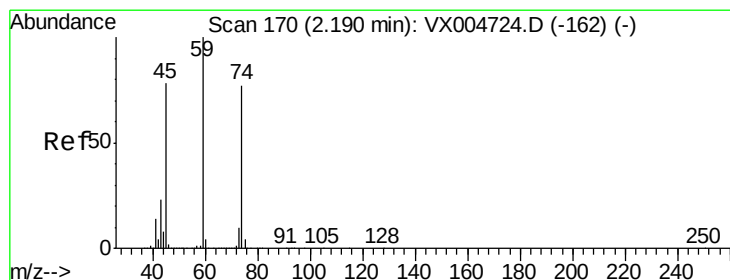
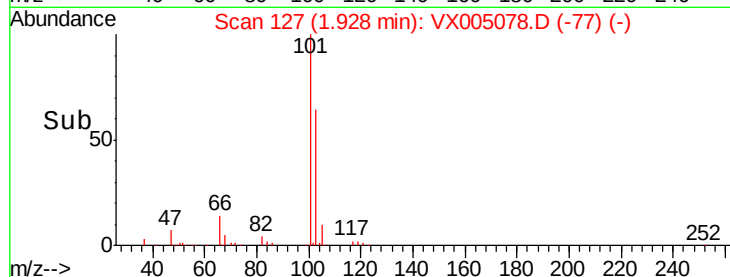
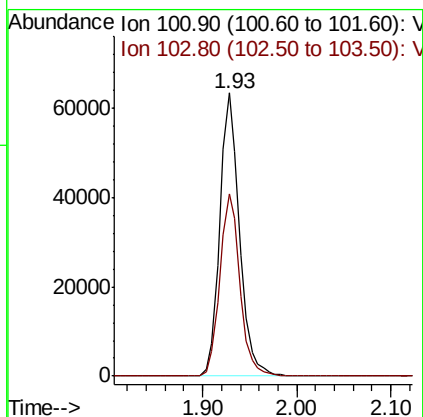
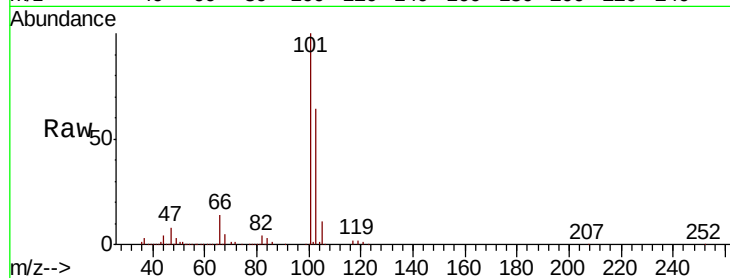


#7

Trichlorofluoromethane
Concen: 21.213 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

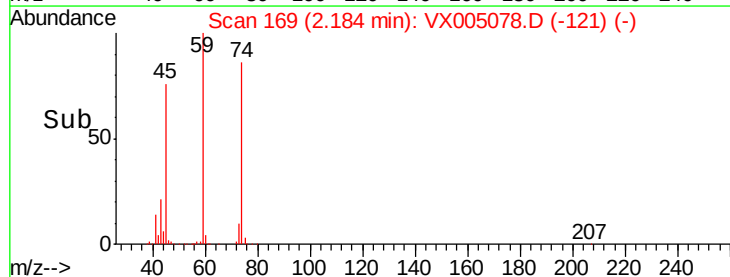
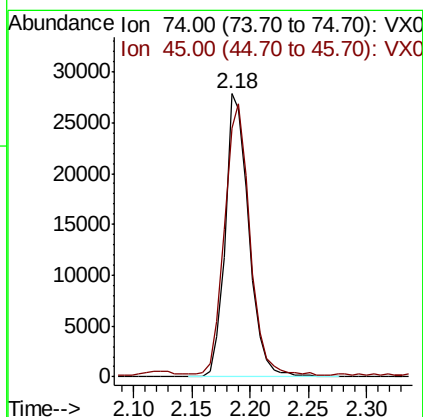
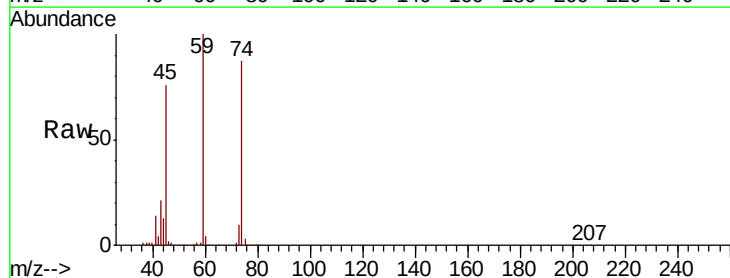
Tot Ion:101 Resp: 91806
Ion Ratio Lower Upper
101 100
103 64.3 48.4 72.6

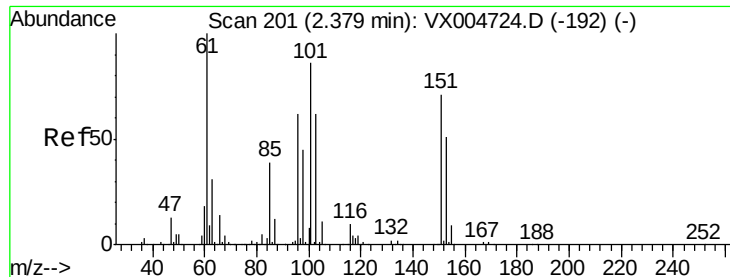


#8

Diethyl Ether
Concen: 20.761 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 74 Resp: 39034
Ion Ratio Lower Upper
74 100
45 102.3 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.258 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

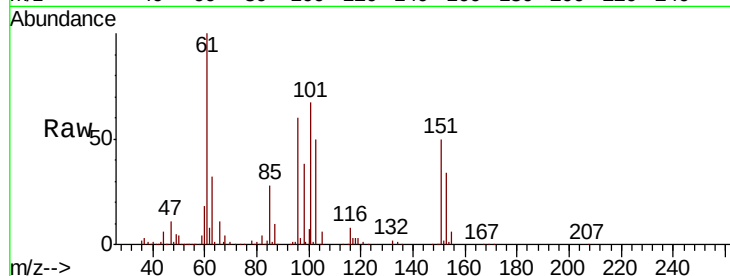
Tot Ion:101 Resp: 52407

Ion Ratio Lower Upper

101 100

85 43.2 35.9 53.9

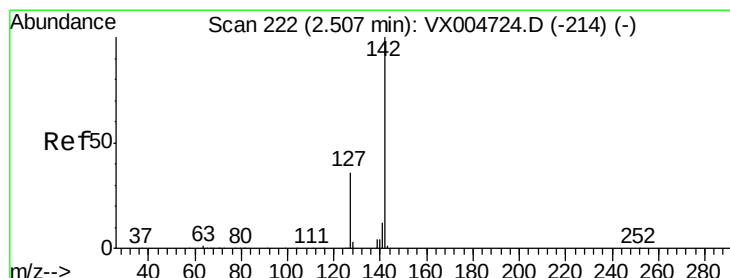
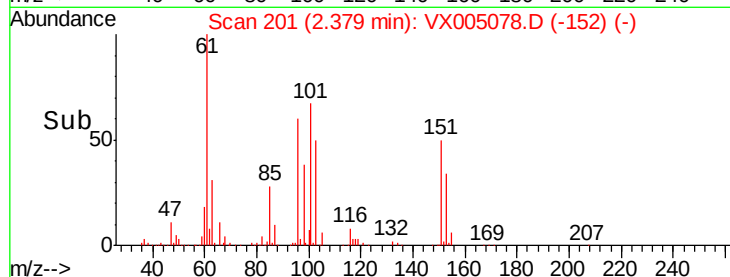
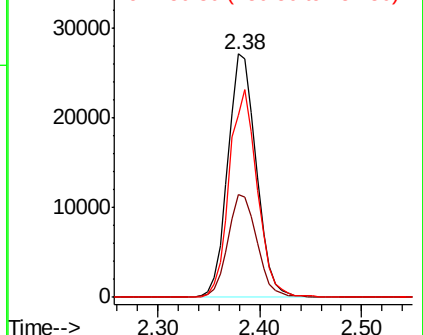
151 83.9 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.245 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

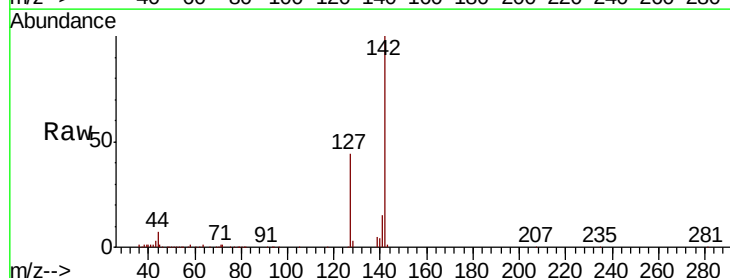
Tgt Ion:142 Resp: 50291

Ion Ratio Lower Upper

142 100

127 42.6 30.1 45.1

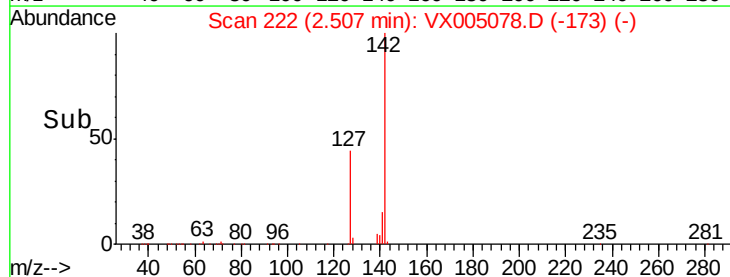
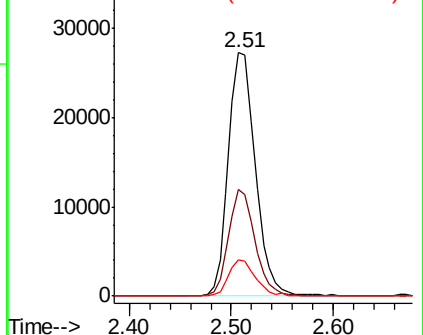
141 14.7 10.1 15.1

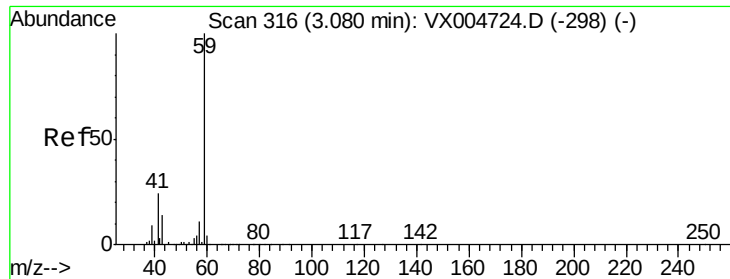


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



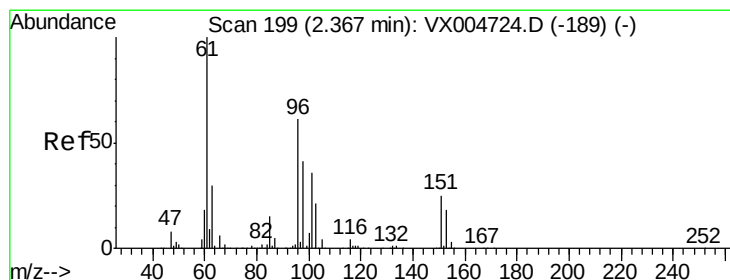
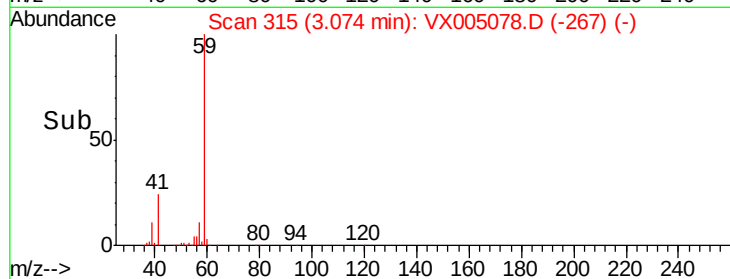
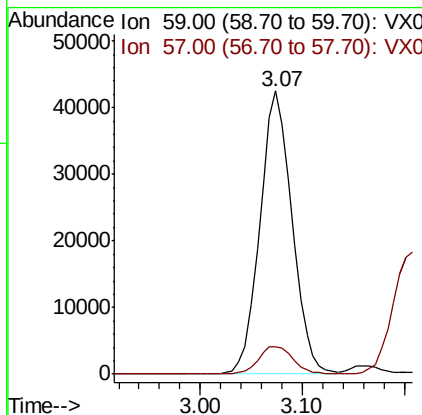
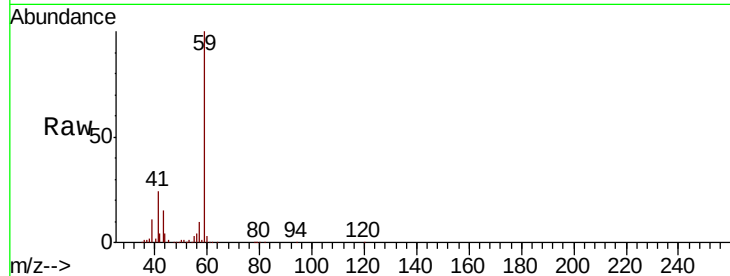


#11

Tert butyl alcohol
 Concen: 103.617 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

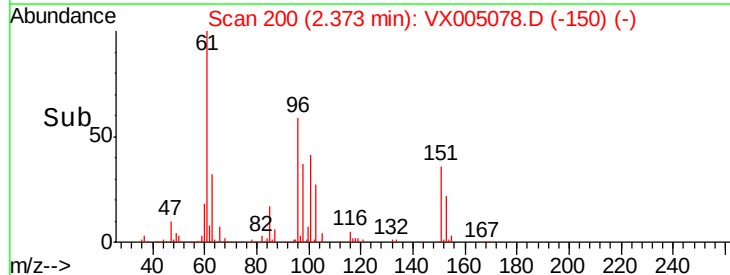
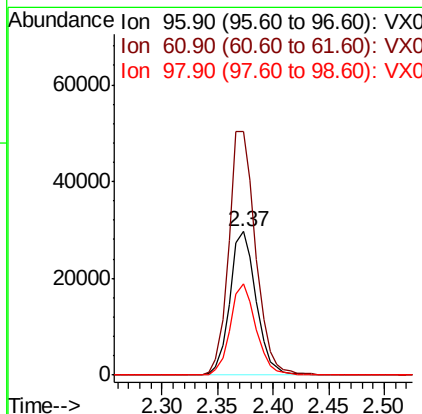
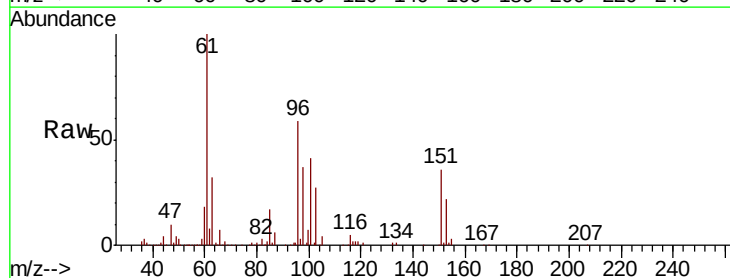
Tot Ion: 59 Resp: 93253
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 12.8

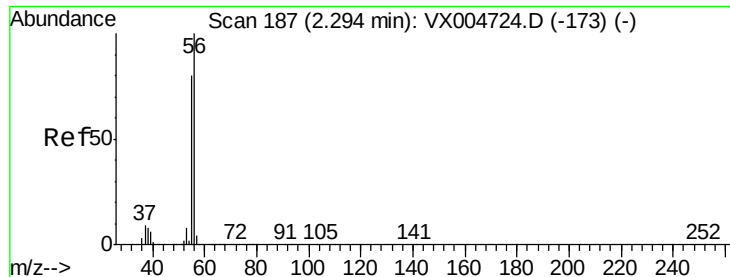


#12

1,1-Dichloroethene
 Concen: 19.940 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion: 96 Resp: 48683
 Ion Ratio Lower Upper
 96 100
 61 169.6 130.2 195.4
 98 63.4 53.4 80.0





#13

Acrolein

Concen: 25.785 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

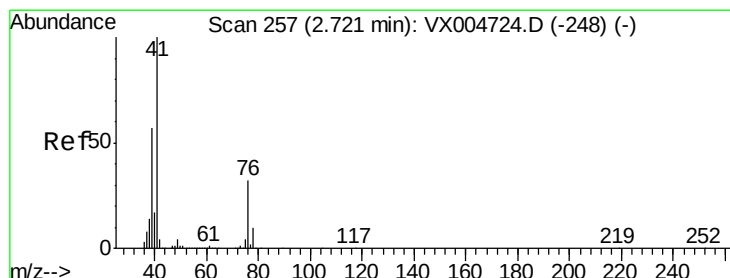
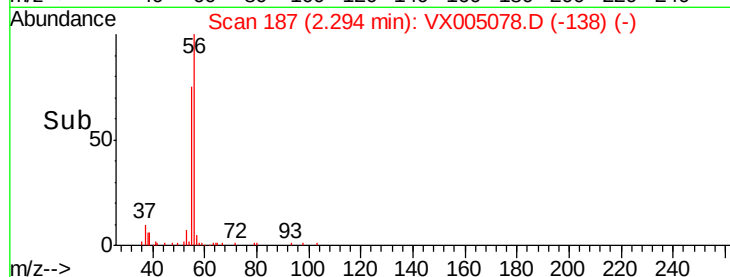
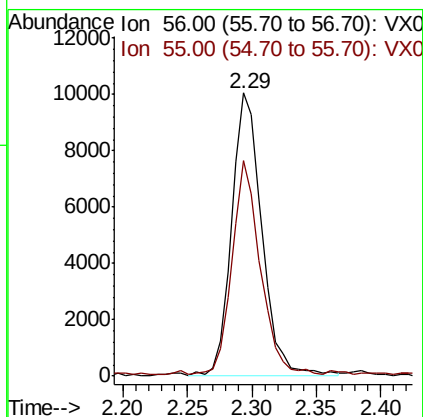
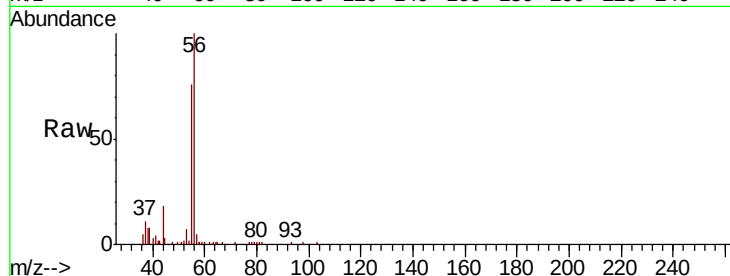
VX1005WBS01

Tot Ion: 56 Resp: 16511

Ion Ratio Lower Upper

56 100

55 70.1 63.4 95.2



#14

Allyl chloride

Concen: 20.329 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

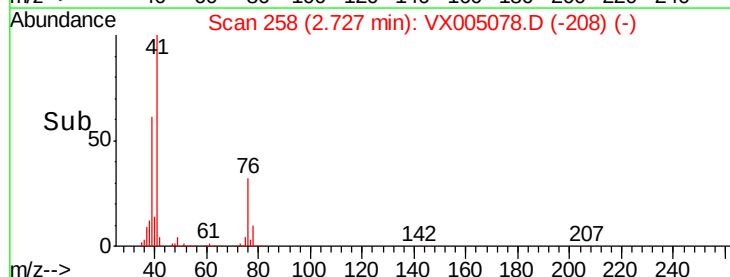
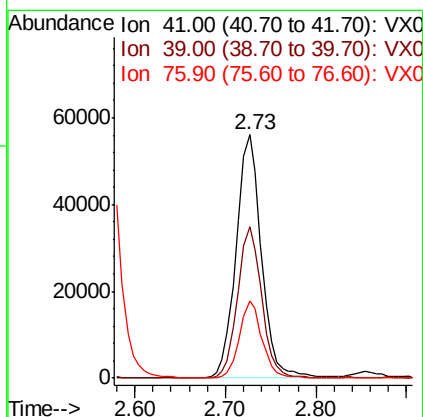
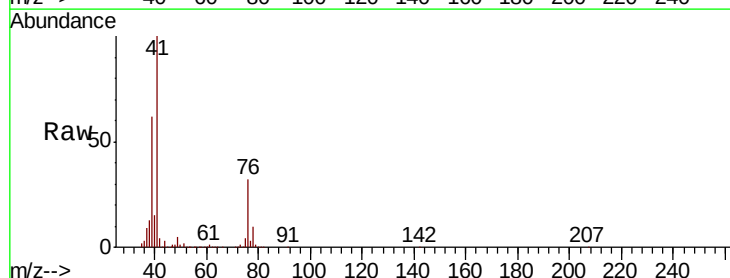
Tgt Ion: 41 Resp: 108290

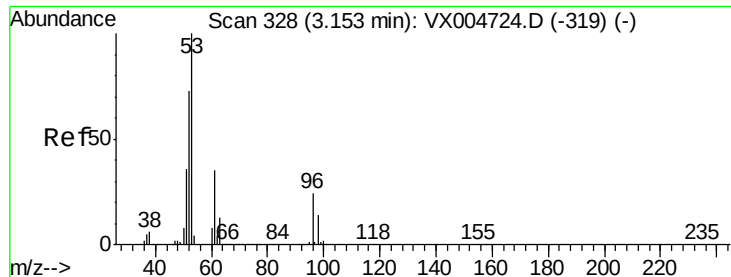
Ion Ratio Lower Upper

41 100

39 58.7 44.1 66.1

76 28.6 25.0 37.4





#15

Acrylonitrile

Concen: 105.988 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

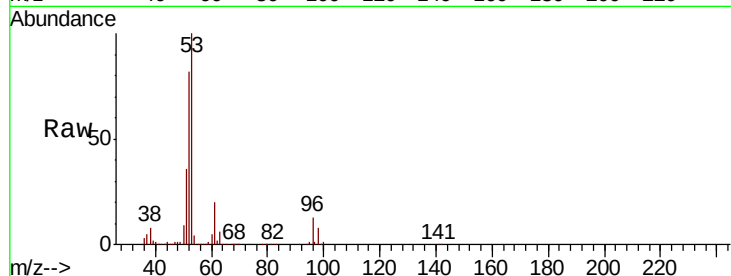
Tot Ion: 53 Resp: 209981

Ion Ratio Lower Upper

53 100

52 83.1 63.0 94.4

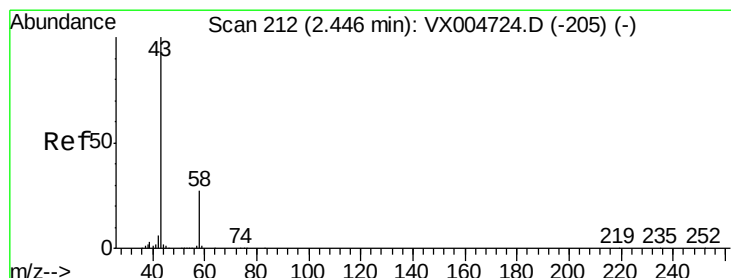
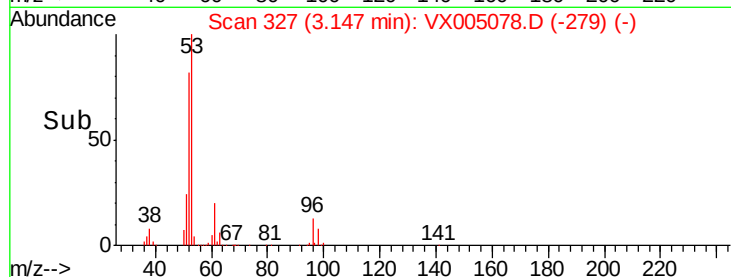
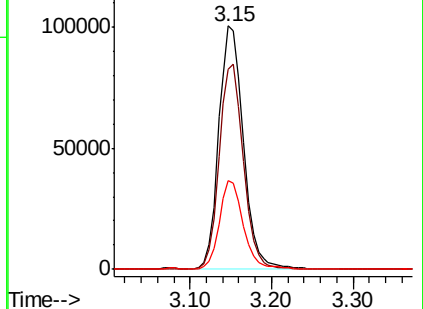
51 35.2 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 96.826 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005078.D

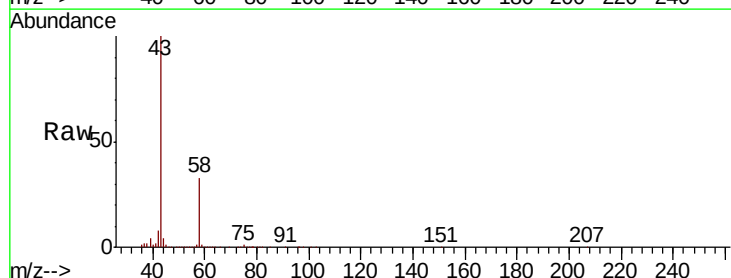
Acq: 05 Oct 2018 20:38

Tgt Ion: 43 Resp: 181948

Ion Ratio Lower Upper

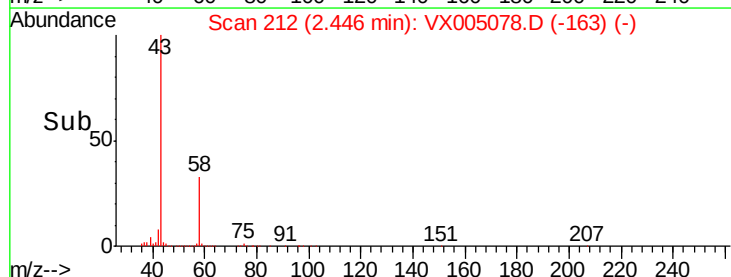
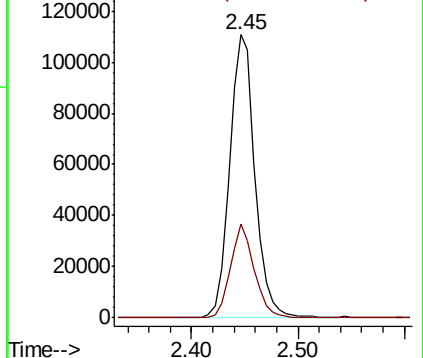
43 100

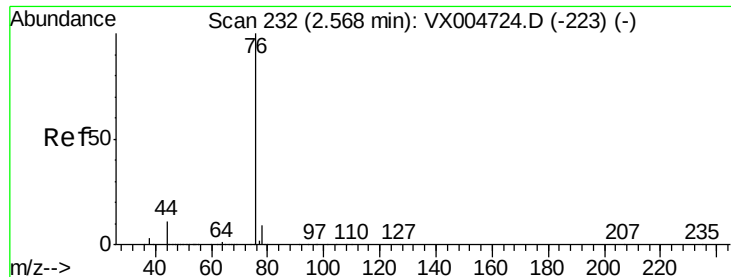
58 33.2 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.232 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

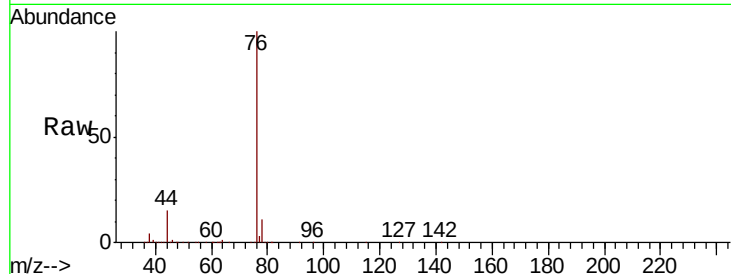
VX1005WBS01

Tot Ion: 76 Resp: 126417

Ion Ratio Lower Upper

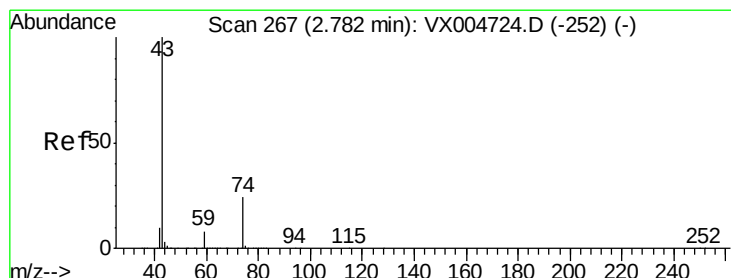
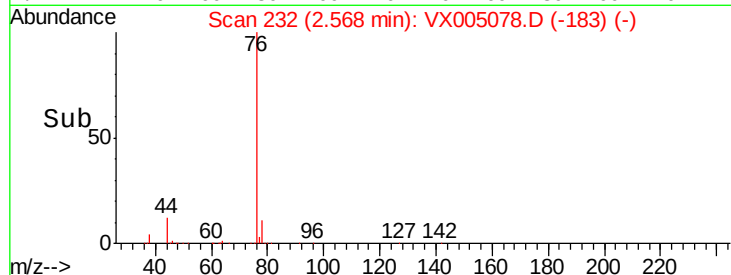
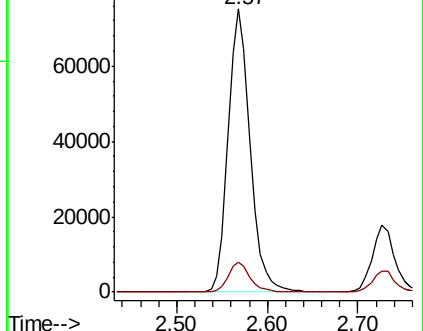
76 100

78 10.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.595 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005078.D

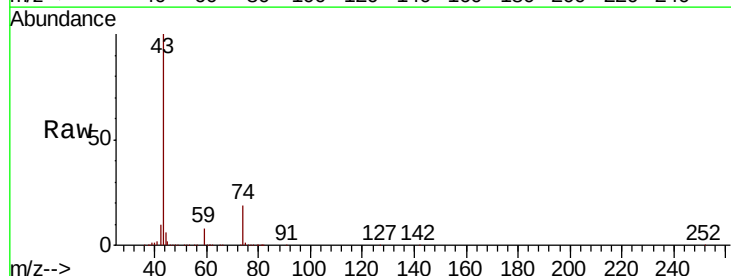
Acq: 05 Oct 2018 20:38

Tgt Ion: 43 Resp: 121857

Ion Ratio Lower Upper

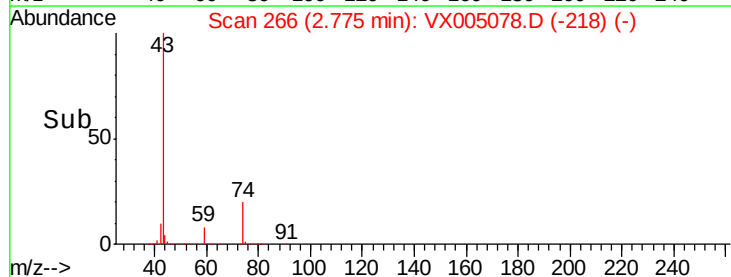
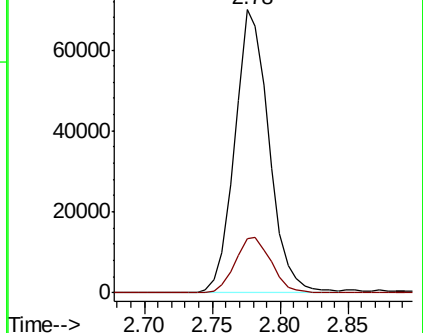
43 100

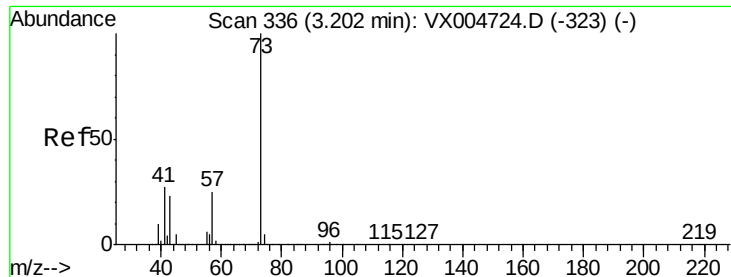
74 21.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 22.031 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

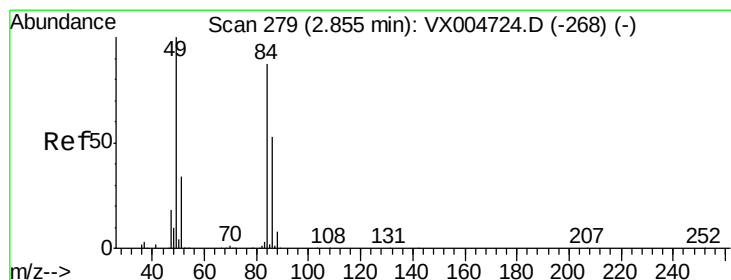
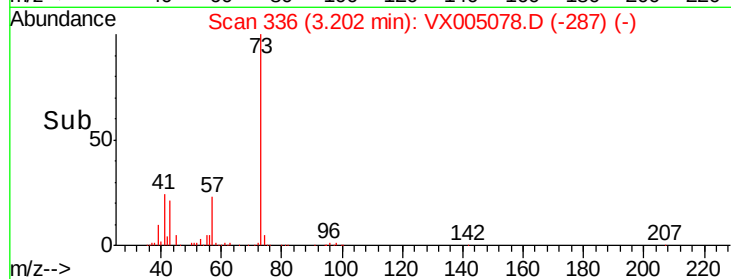
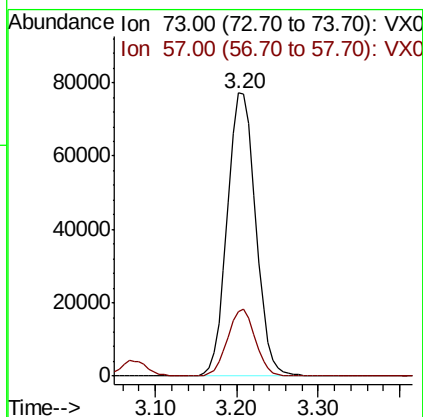
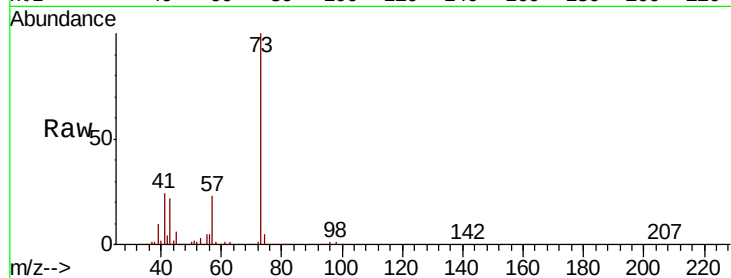
VX1005WBS01

Tot Ion: 73 Resp: 185530

Ion Ratio Lower Upper

73 100

57 22.7 19.9 29.9



#20

Methylene Chloride

Concen: 21.316 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion: 84 Resp: 59553

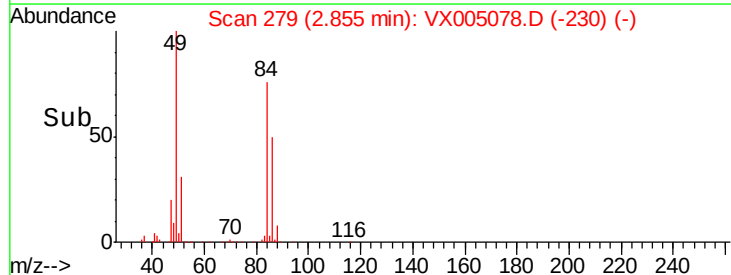
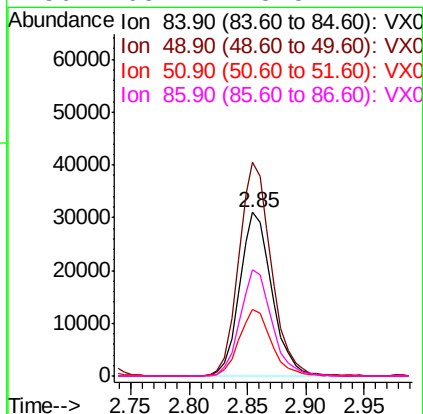
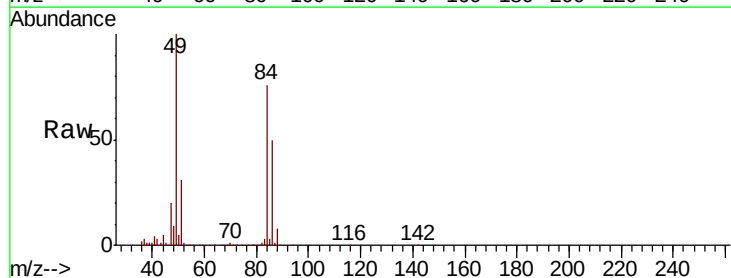
Ion Ratio Lower Upper

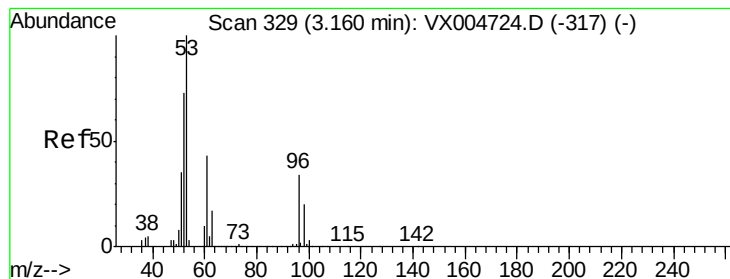
84 100

49 130.6 92.3 138.5

51 40.9 31.8 47.6

86 65.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 19.344 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

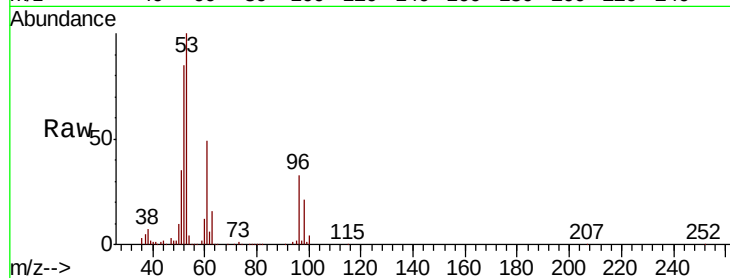
Tot Ion: 96 Resp: 51699

Ion Ratio Lower Upper

96 100

61 147.9 101.0 151.6

98 64.0 47.2 70.8

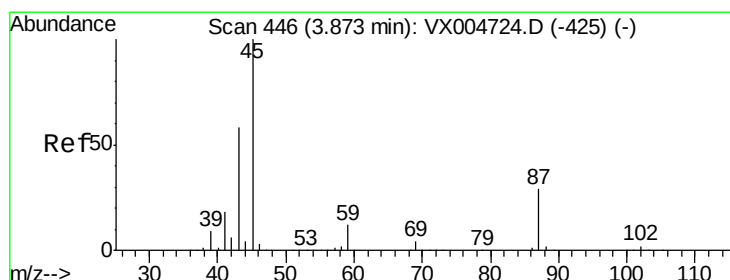
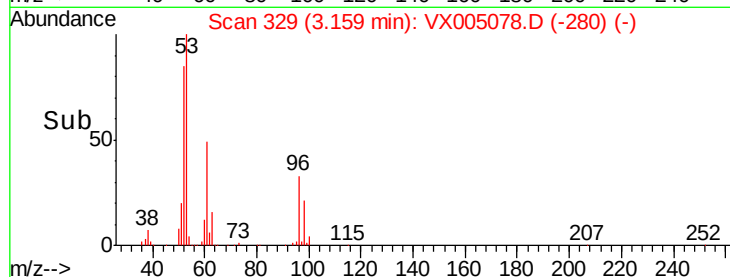
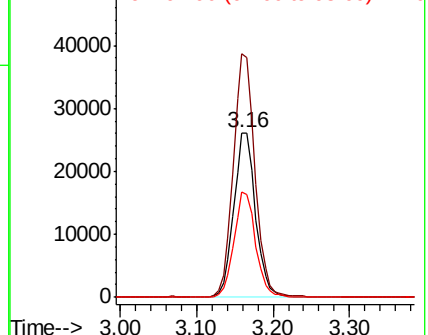


Abundance

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: 21.742 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion: 45 Resp: 195028

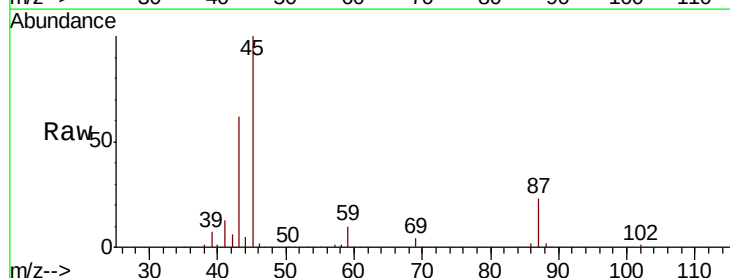
Ion Ratio Lower Upper

45 100

43 61.9 46.7 70.1

87 23.1 22.9 34.3

59 10.5 9.3 13.9



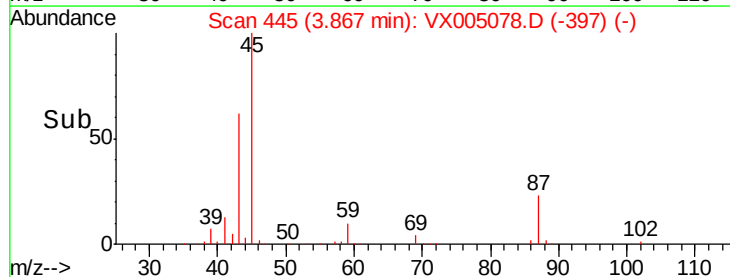
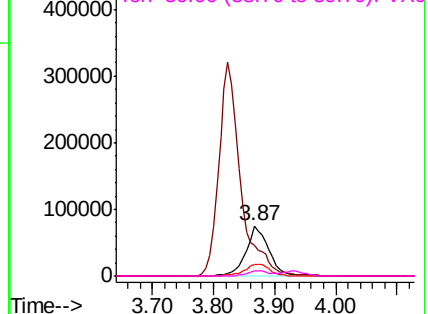
Abundance

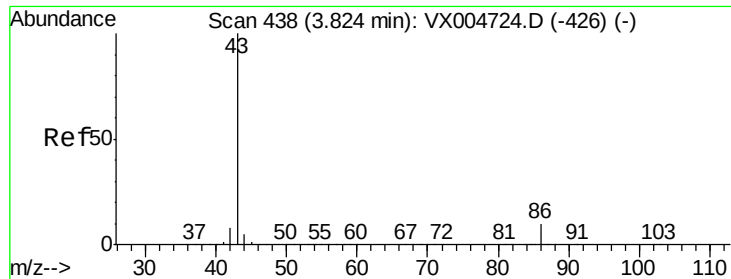
Ion 45.00 (44.70 to 45.70): VX0

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: 98.205 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

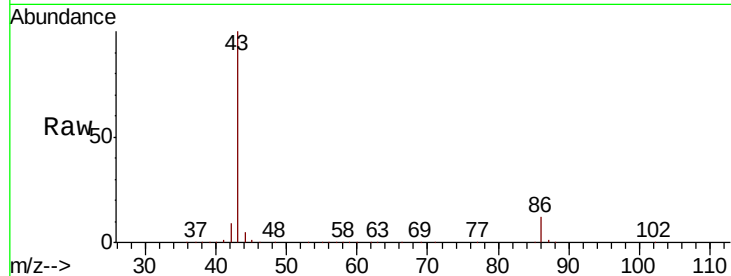
VX1005WBS01

Tot Ion: 43 Resp: 806347

Ion Ratio Lower Upper

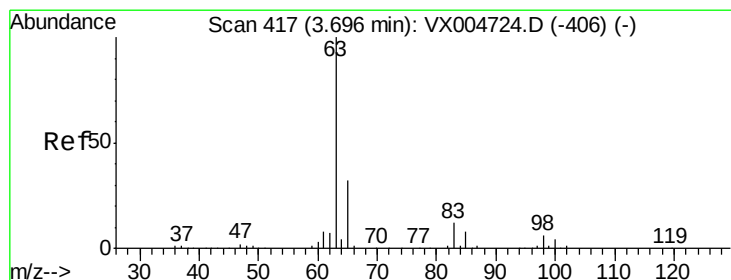
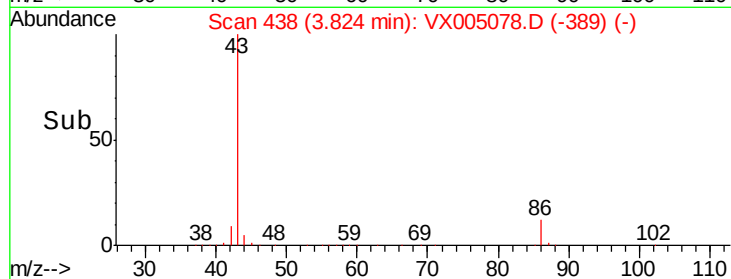
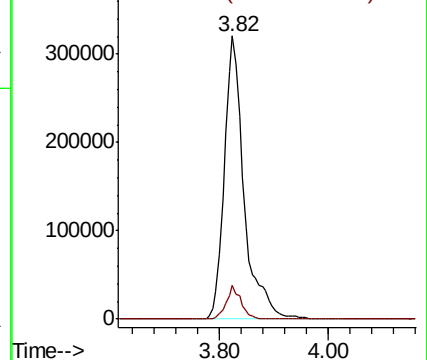
43 100

86 12.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.206 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

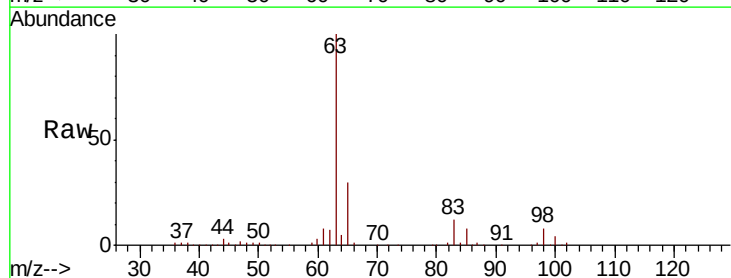
Tgt Ion: 63 Resp: 108116

Ion Ratio Lower Upper

63 100

98 7.5 3.0 9.2

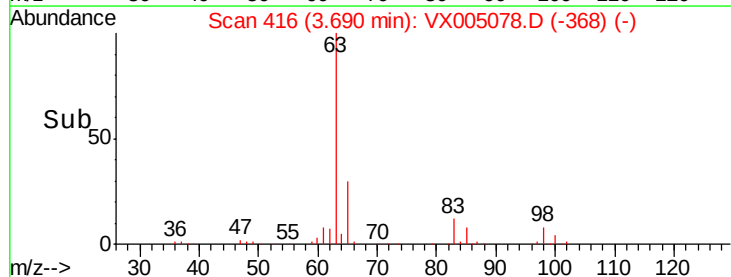
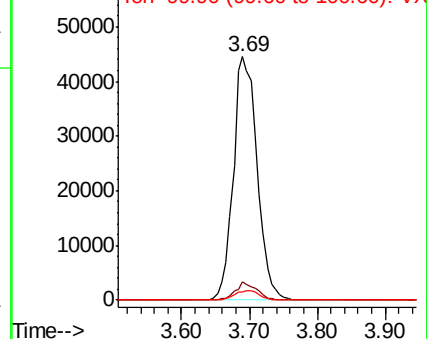
100 3.6 2.0 5.8

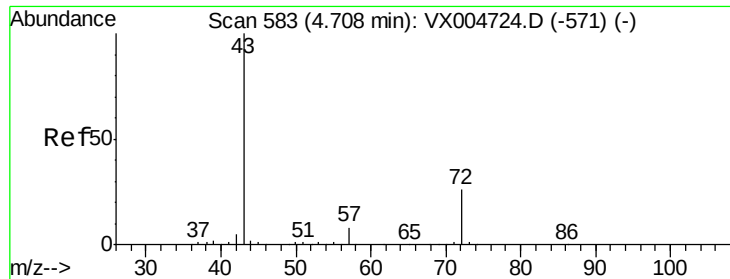


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.946 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

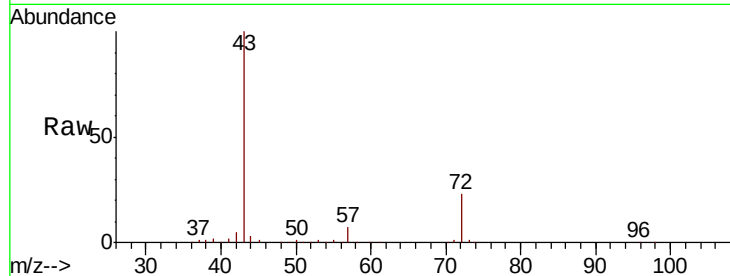
VX1005WBS01

Tot Ion: 43 Resp: 279609

Ion Ratio Lower Upper

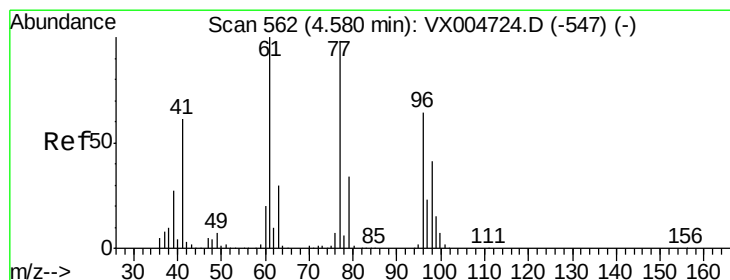
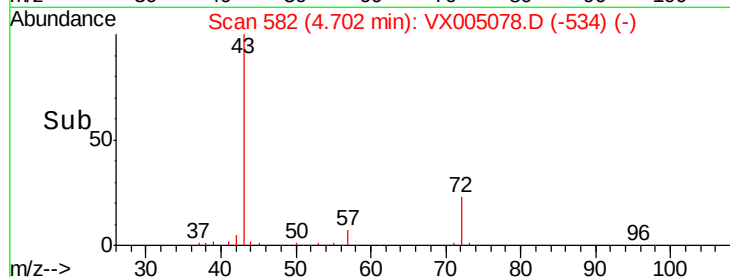
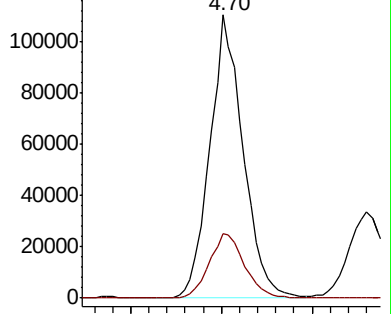
43 100

72 22.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.128 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX005078.D

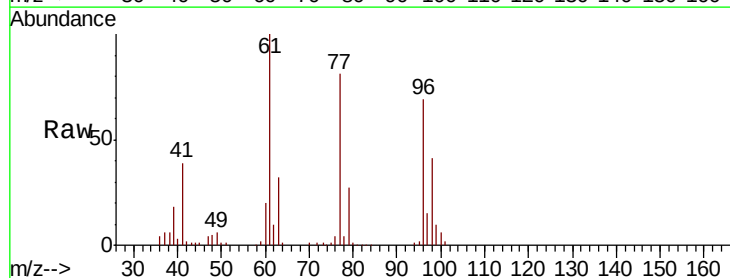
Acq: 05 Oct 2018 20:38

Tgt Ion: 77 Resp: 71272

Ion Ratio Lower Upper

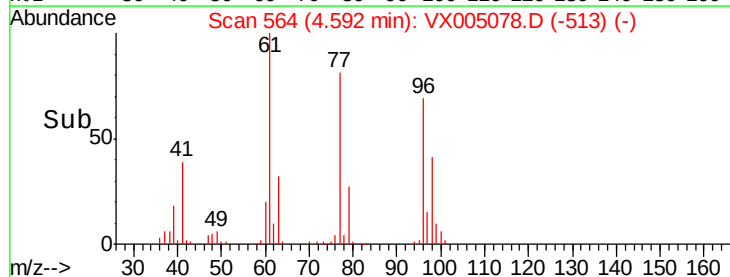
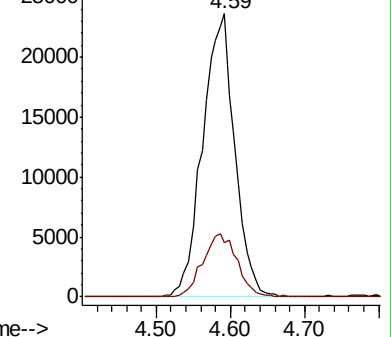
77 100

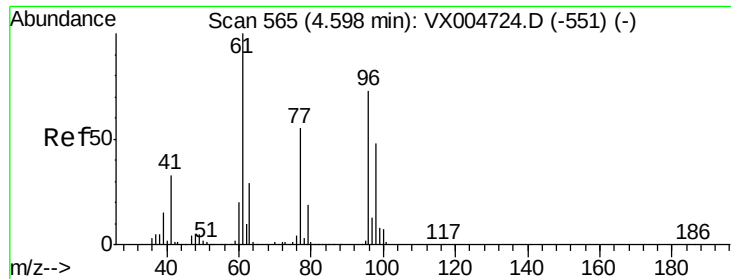
97 23.9 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



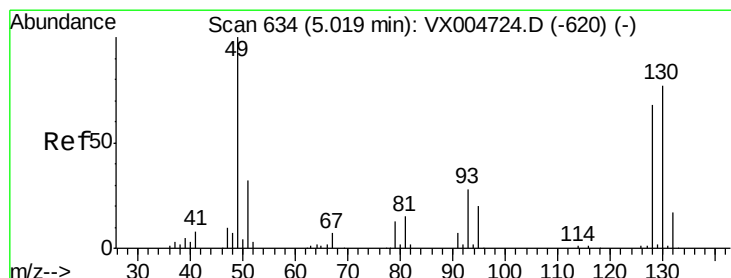
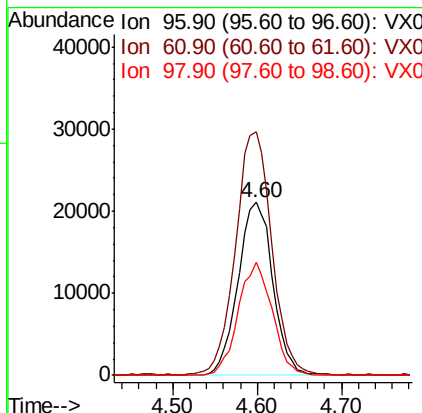
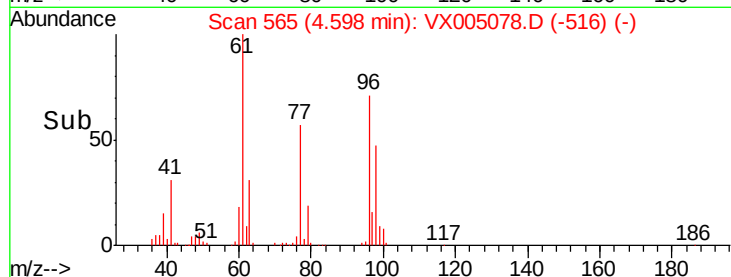
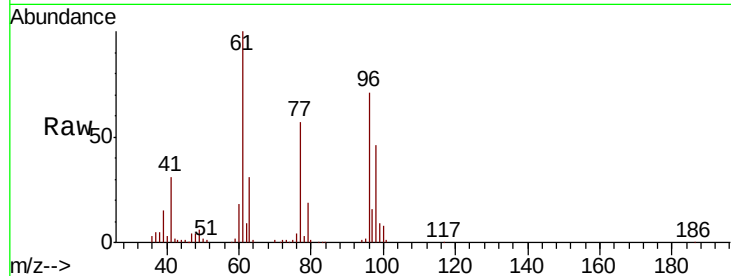


#27

cis-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

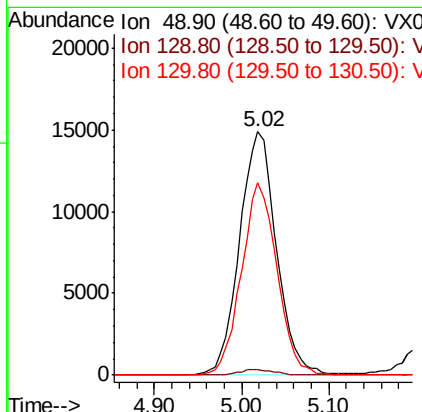
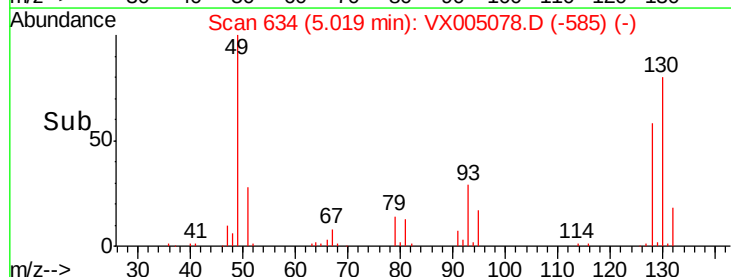
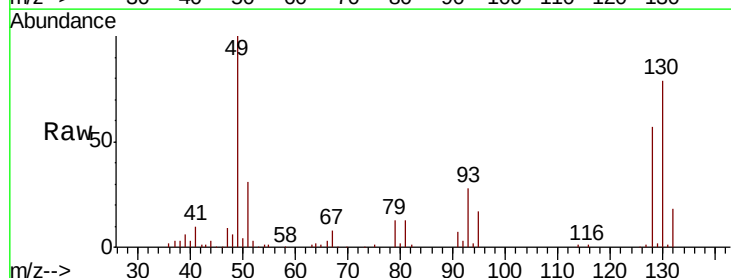
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	285.8
98	63.9	0.0	136.2

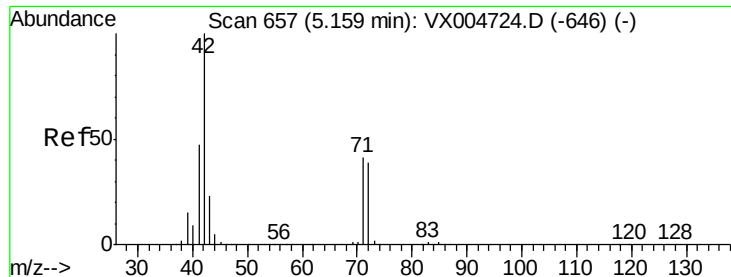


#28

Bromochloromethane
Concen: 17.332 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	76.3	62.0	93.0





#29

Tetrahydrofuran

Concen: 106.824 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

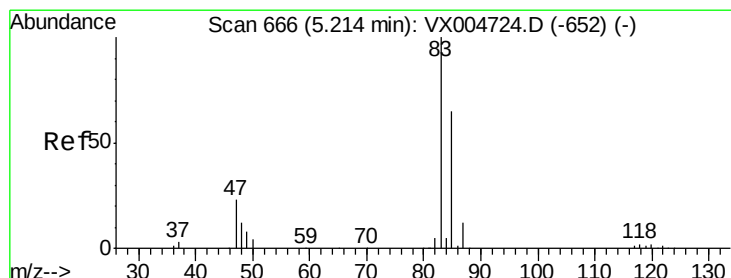
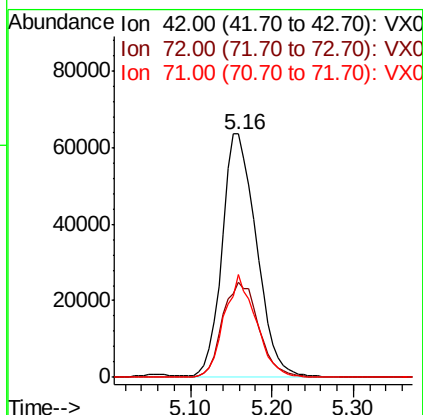
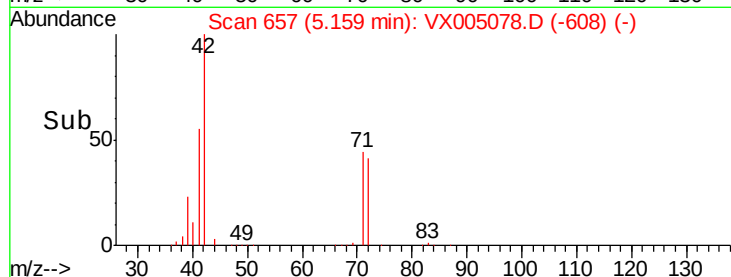
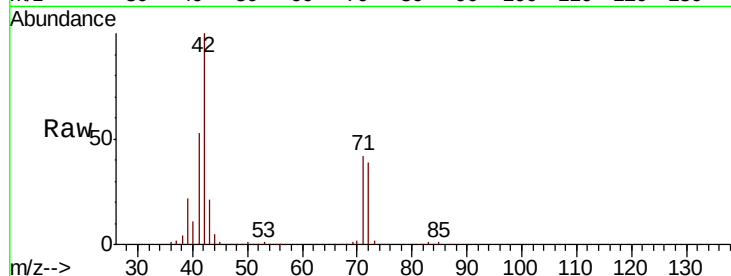
Tot Ion: 42 Resp: 183907

Ion Ratio Lower Upper

42 100

72 41.7 33.7 50.5

71 39.7 32.2 48.4



#30

Chloroform

Concen: 19.553 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005078.D

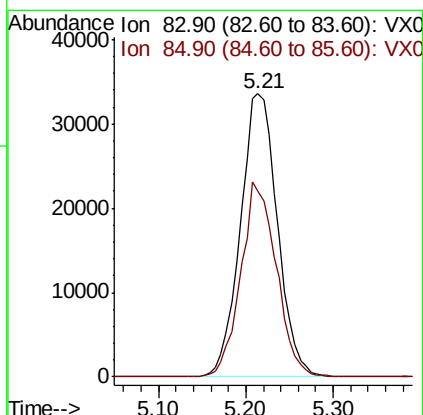
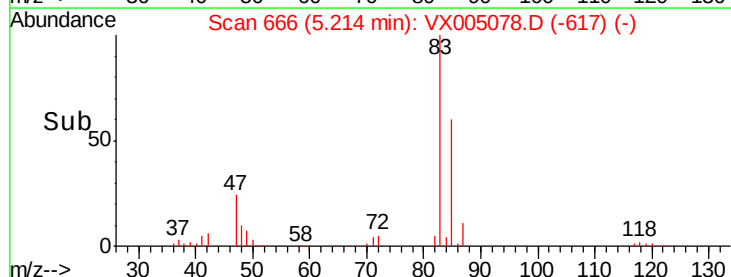
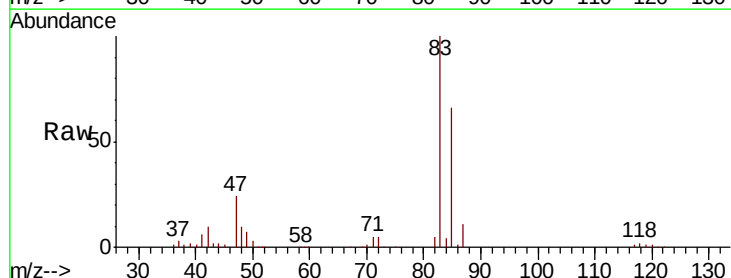
Acq: 05 Oct 2018 20:38

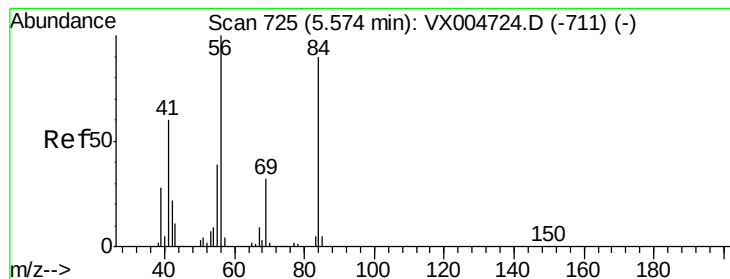
Tgt Ion: 83 Resp: 98880

Ion Ratio Lower Upper

83 100

85 65.7 52.4 78.6





#31

Cyclohexane

Concen: 21.189 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

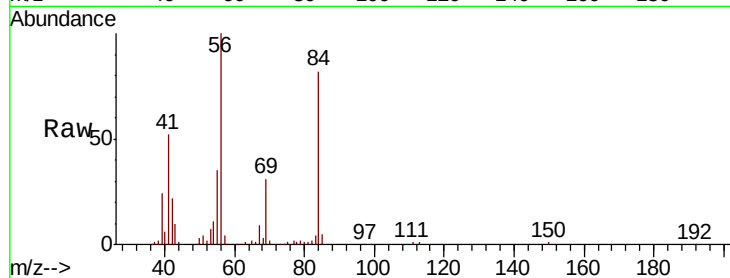
Tot Ion: 56 Resp: 86775

Ion Ratio Lower Upper

56 100

69 31.1 25.9 38.9

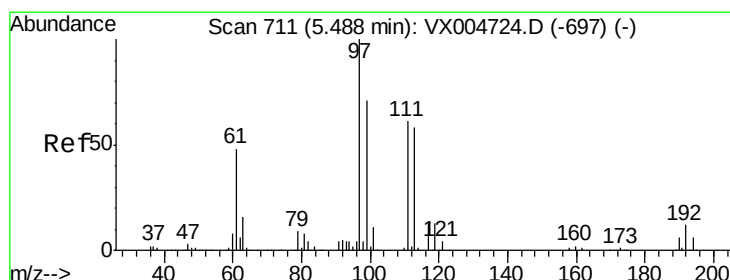
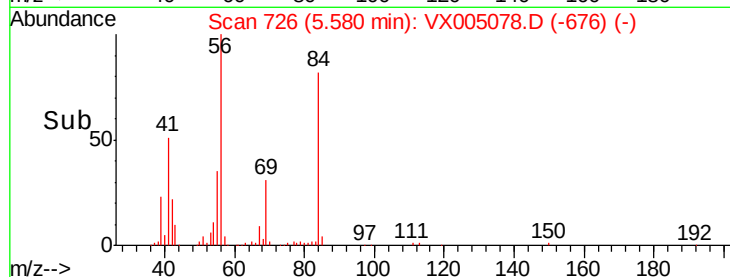
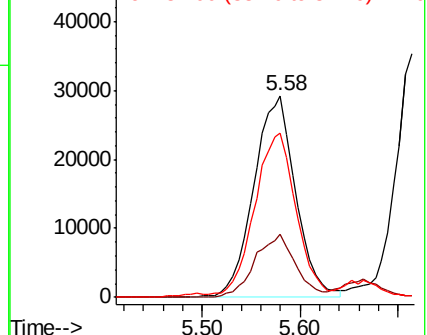
84 79.9 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.877 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

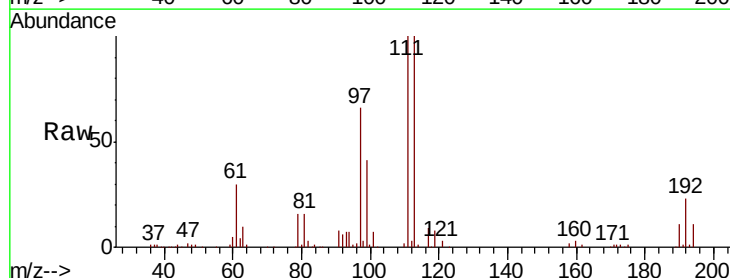
Tgt Ion: 97 Resp: 82089

Ion Ratio Lower Upper

97 100

99 65.2 54.6 82.0

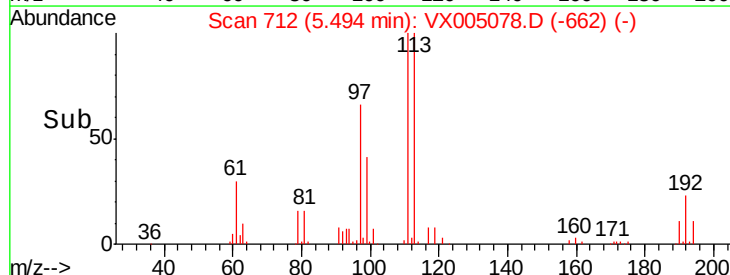
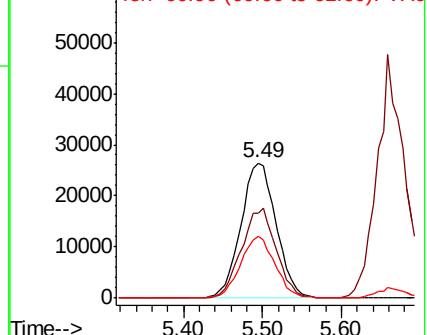
61 44.9 37.5 56.3

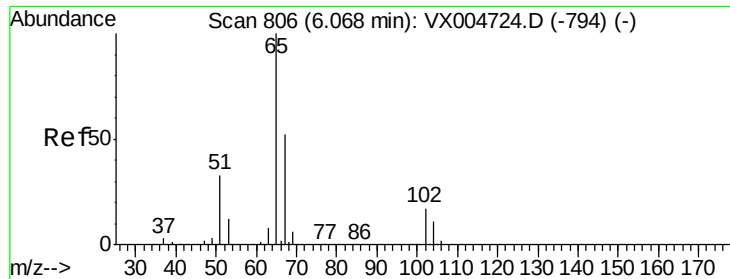


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.941 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

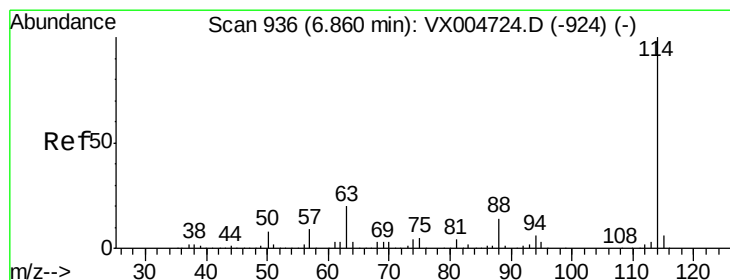
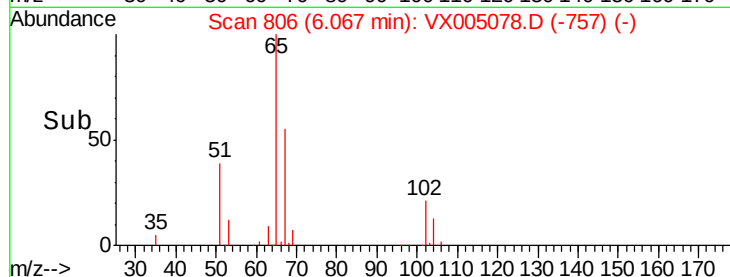
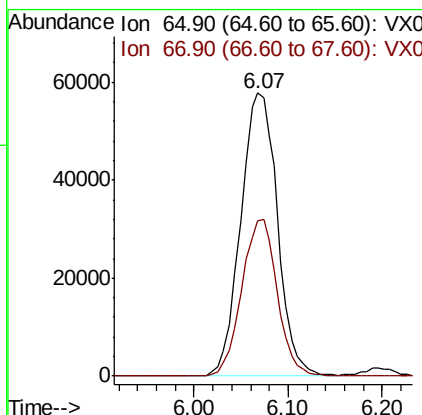
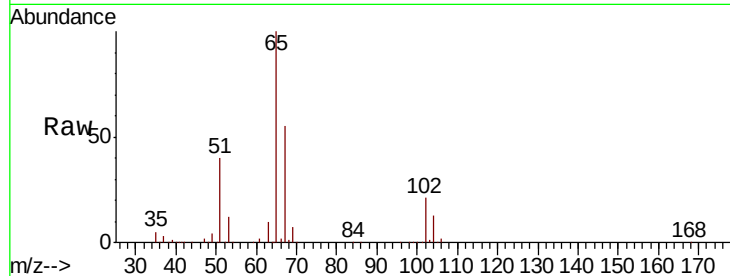
Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion: 65 Resp: 157525

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

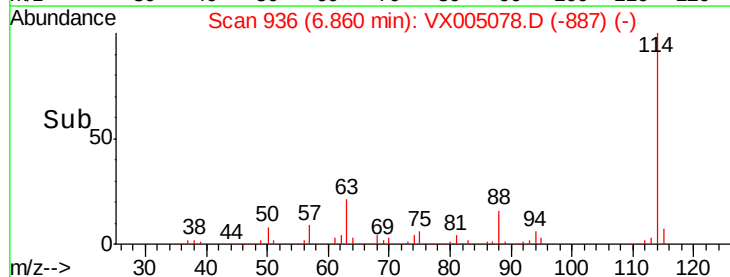
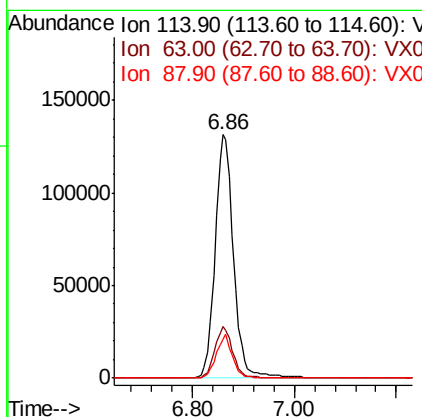
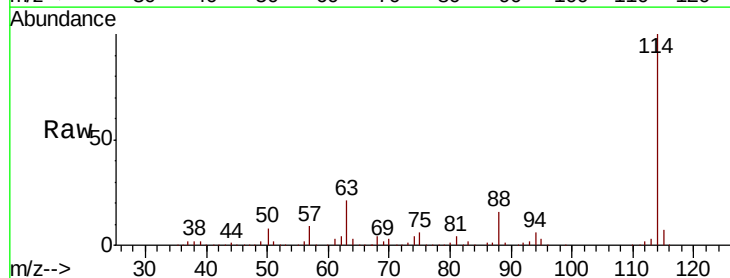
Delta R.T. -0.00 min

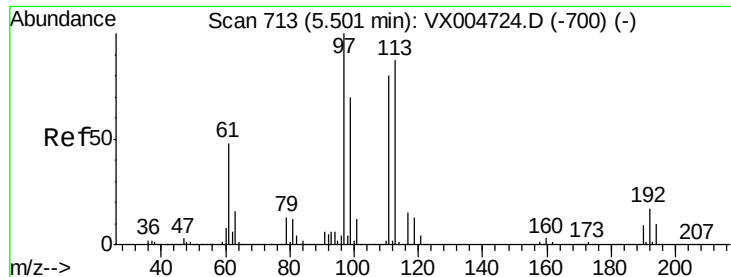
Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion: 114 Resp: 330278

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.8
88	16.1	0.0	27.0

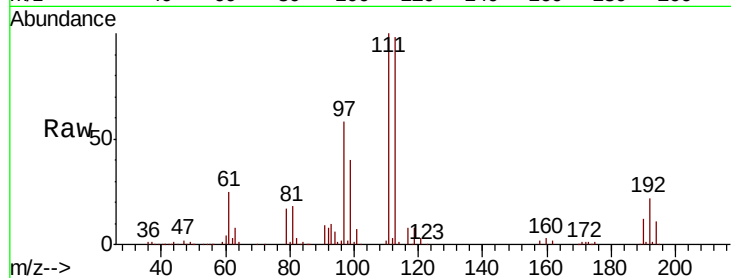




#35
 Dibromofluoromethane
 Concen: 45.623 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	77.0	115.4
192	23.0	17.0	25.6

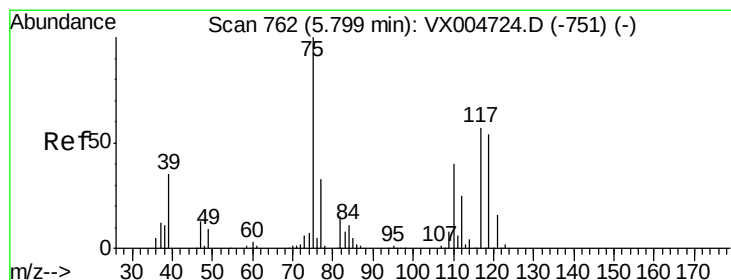
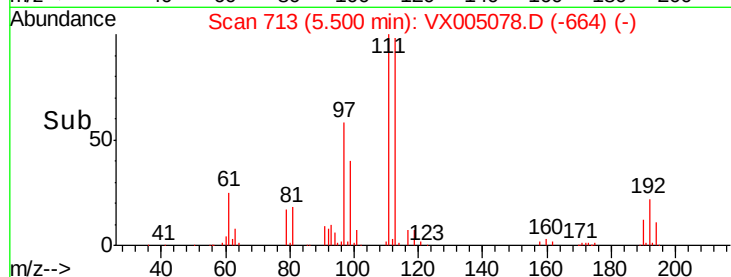
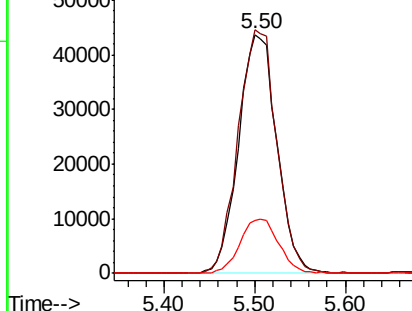


Abundance

Ion 112.80 (112.50 to 113.50): V

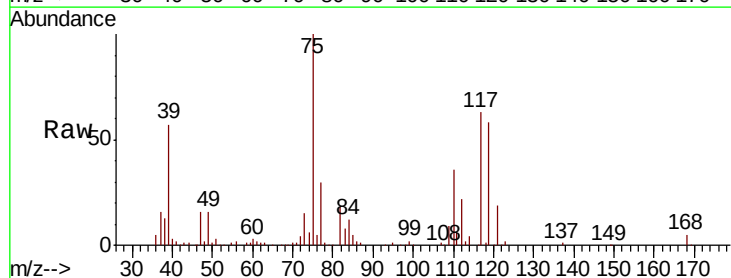
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.378 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	20.0	59.9
77	30.1	27.1	40.7

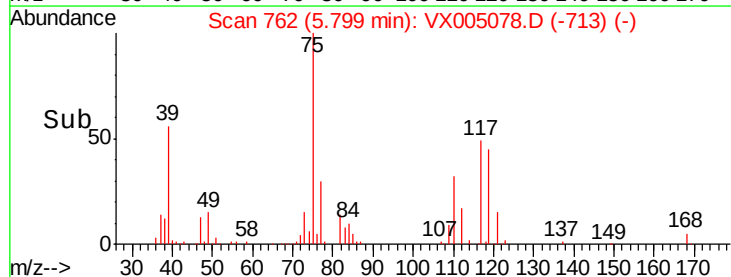
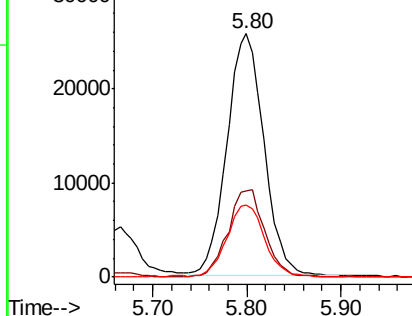


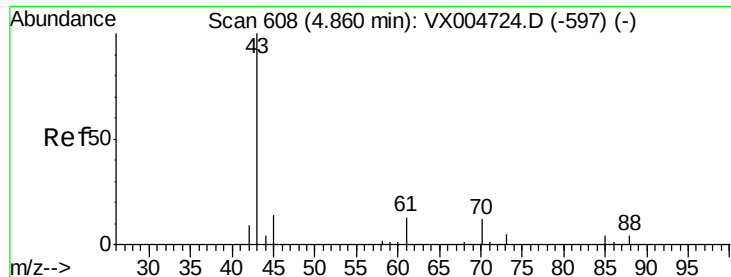
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.076 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

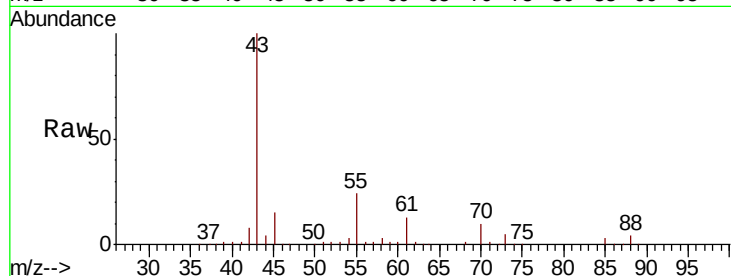
Tot Ion: 43 Resp: 96707

Ion Ratio Lower Upper

43 100

61 14.1 10.4 15.6

70 10.2 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX004724.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX004724.D (-597) (-)

150000

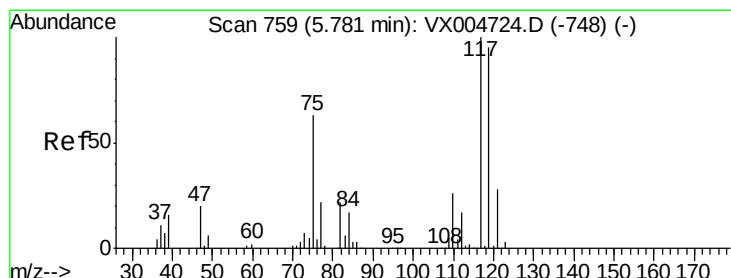
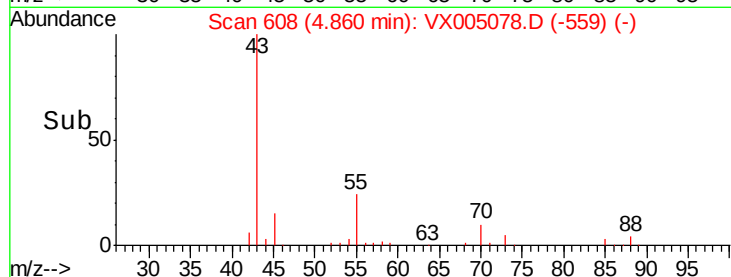
100000

50000

0

4.70 4.80 4.90 5.00

Time-->



#38

Carbon Tetrachloride

Concen: 17.738 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

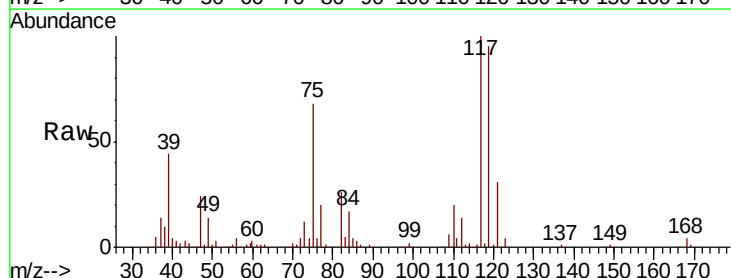
Tgt Ion: 117 Resp: 71211

Ion Ratio Lower Upper

117 100

119 94.8 75.2 112.8

121 30.5 22.5 33.7



Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX004724.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX004724.D (-748) (-)

30000

25000

20000

15000

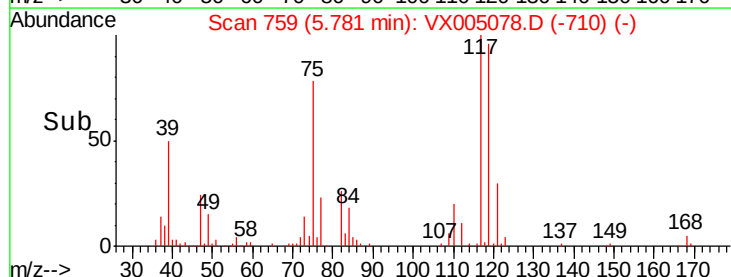
10000

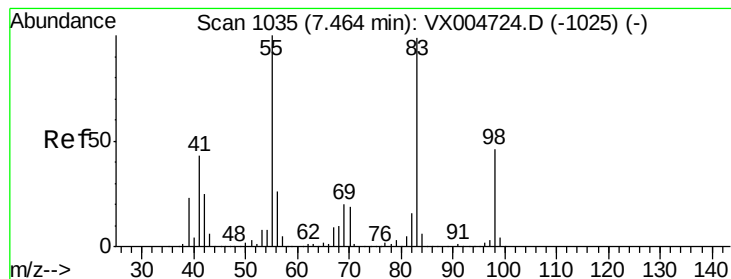
5000

0

5.70 5.80 5.90

Time-->





#39

Methylvlcyclohexane

Concen: 20.374 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

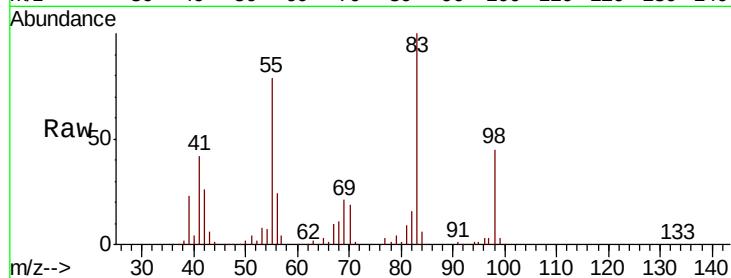
Tot Ion: 83 Resp: 79454

Ion Ratio Lower Upper

83 100

55 79.3 81.1 121.7#

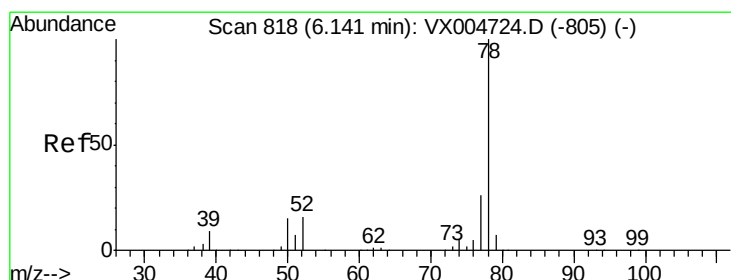
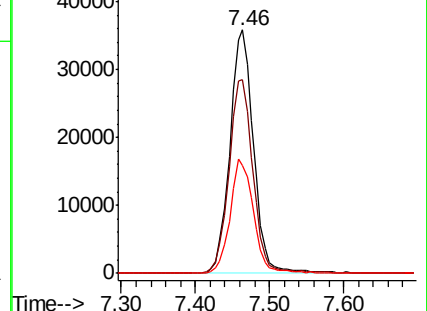
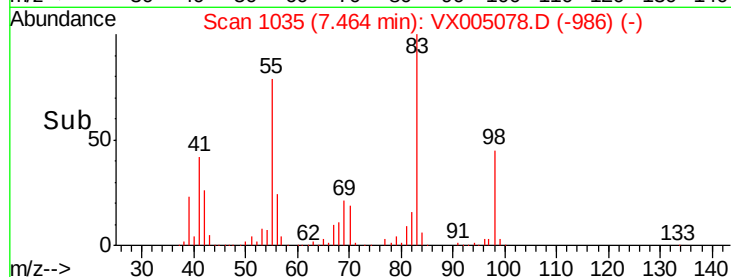
98 44.5 37.3 55.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 18.528 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX005078.D

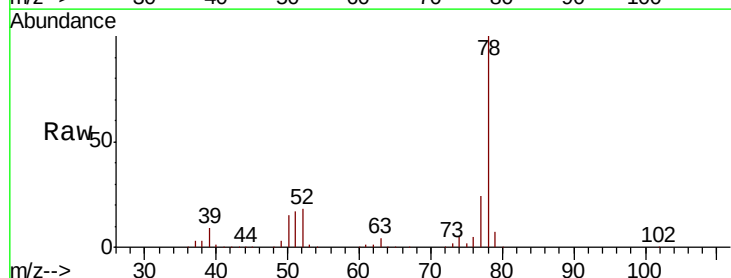
Acq: 05 Oct 2018 20:38

Tgt Ion: 78 Resp: 221530

Ion Ratio Lower Upper

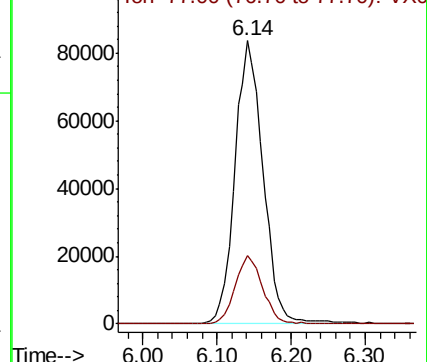
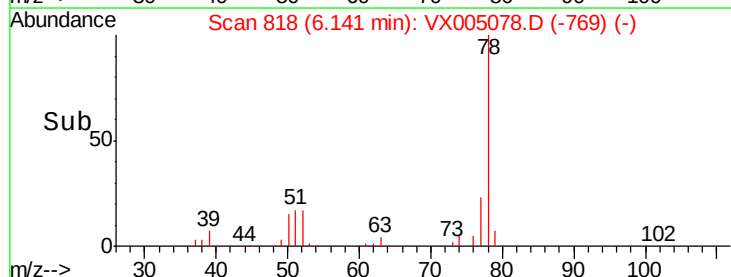
78 100

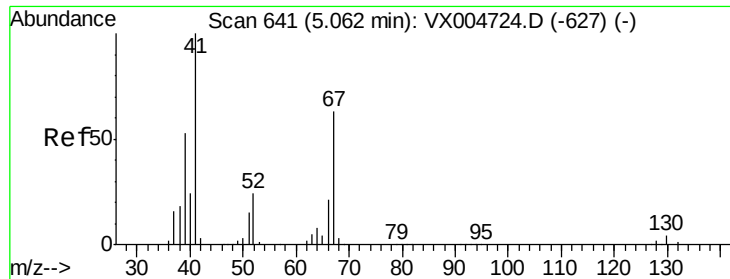
77 24.1 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.129 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion: 41 Resp: 53780

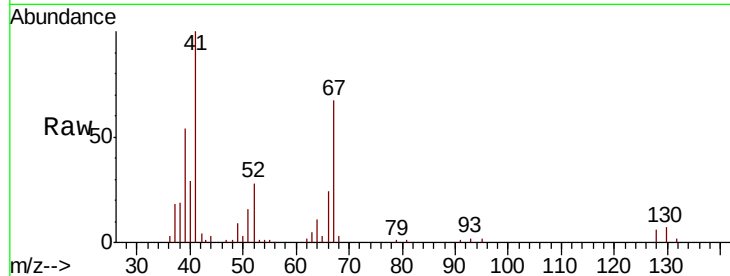
Ion Ratio Lower Upper

41 100

39 52.6 42.5 63.7

67 69.0 53.0 79.6

52 28.1 19.8 29.8

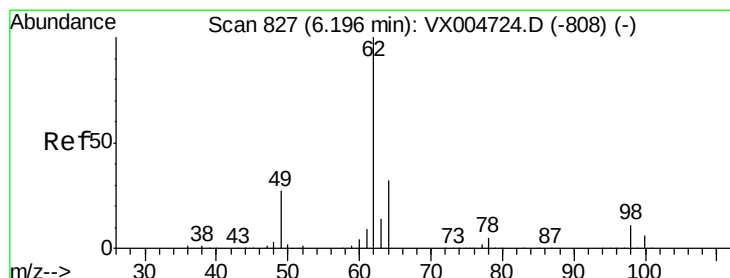
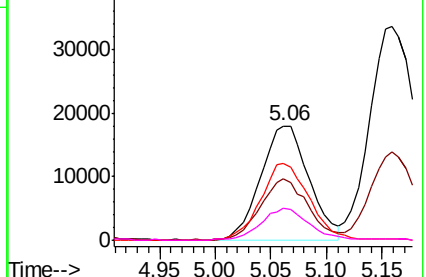
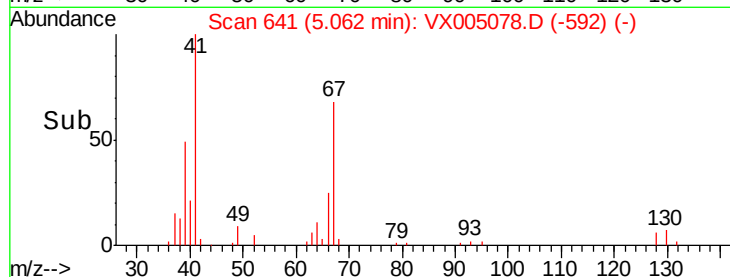


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.801 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005078.D

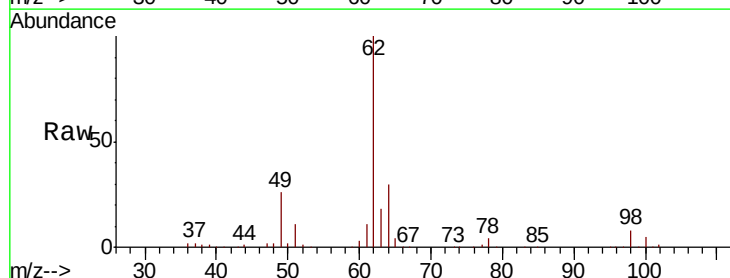
Acq: 05 Oct 2018 20:38

Tgt Ion: 62 Resp: 83693

Ion Ratio Lower Upper

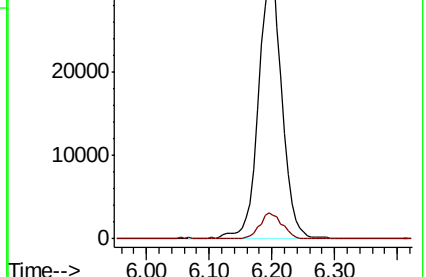
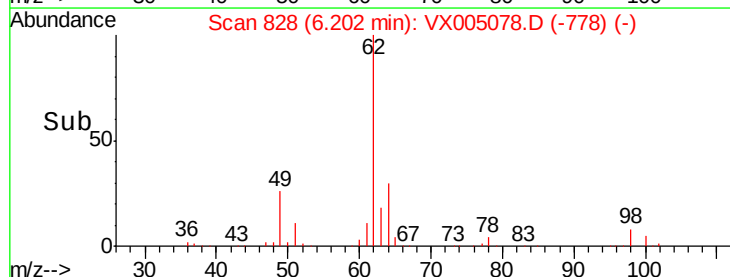
62 100

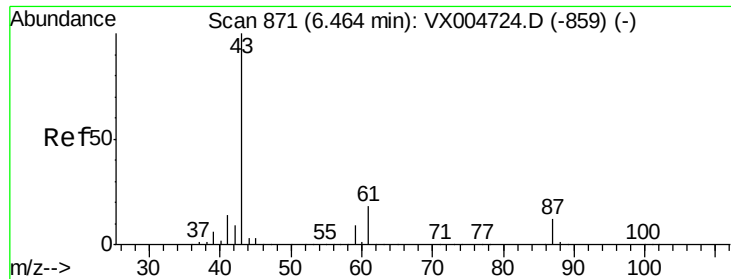
98 9.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.634 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

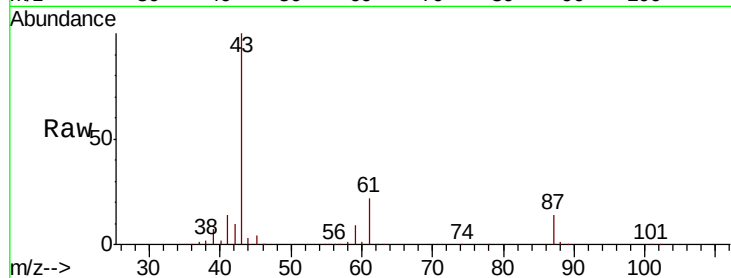
Tot Ion: 43 Resp: 143660

Ion Ratio Lower Upper

43 100

61 20.0 14.2 21.4

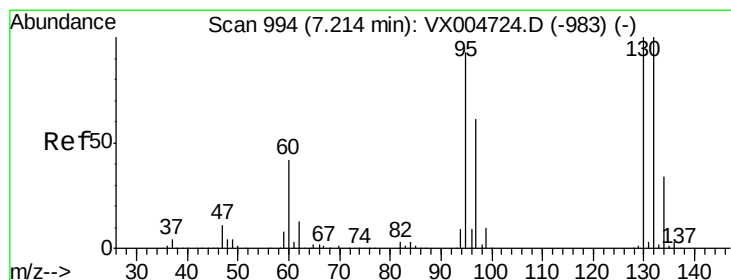
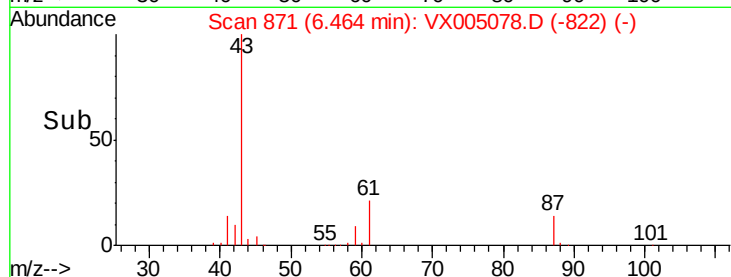
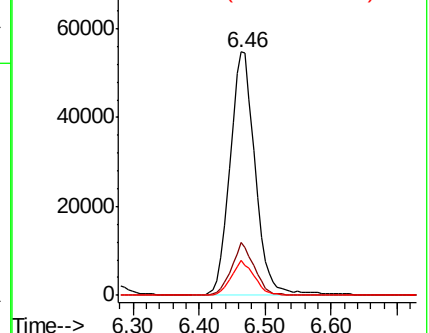
87 13.1 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.551 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005078.D

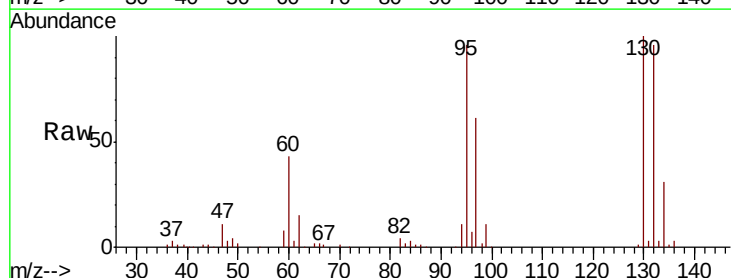
Acq: 05 Oct 2018 20:38

Tgt Ion:130 Resp: 57466

Ion Ratio Lower Upper

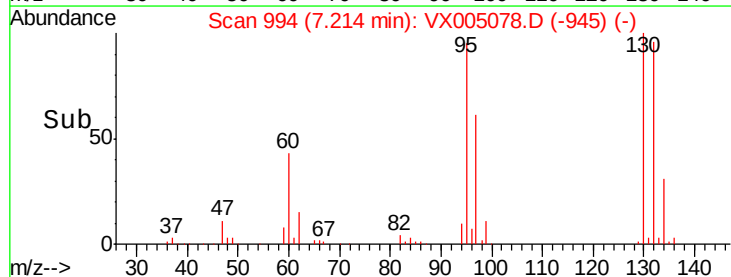
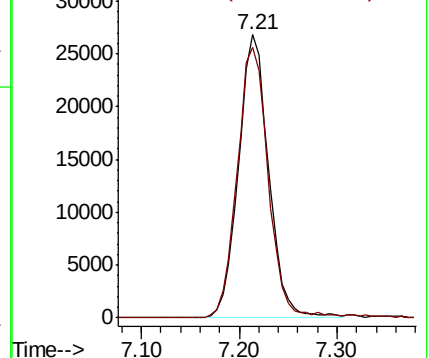
130 100

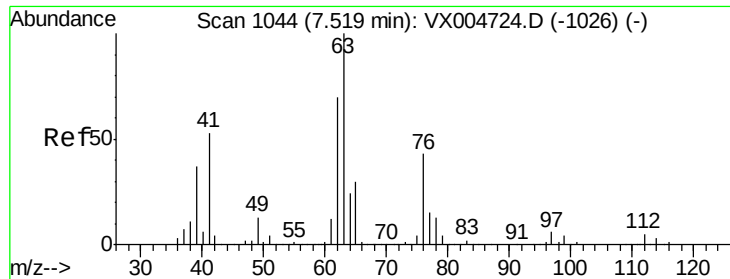
95 95.6 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

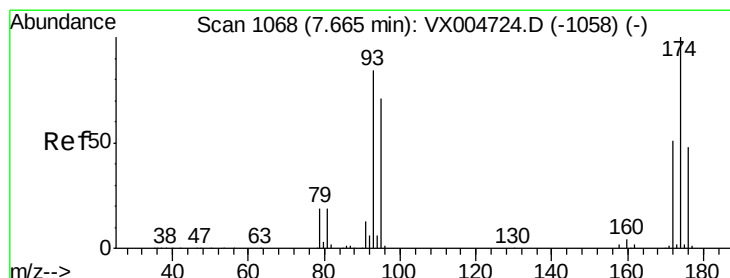
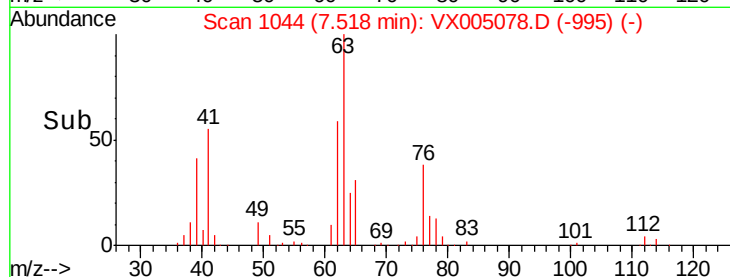
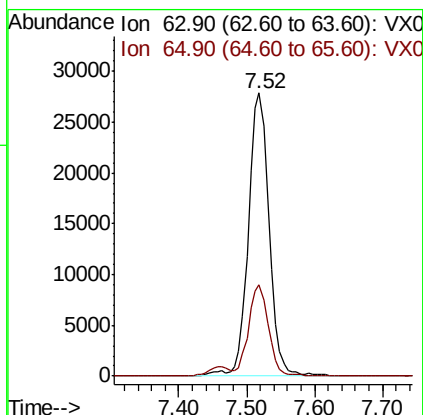
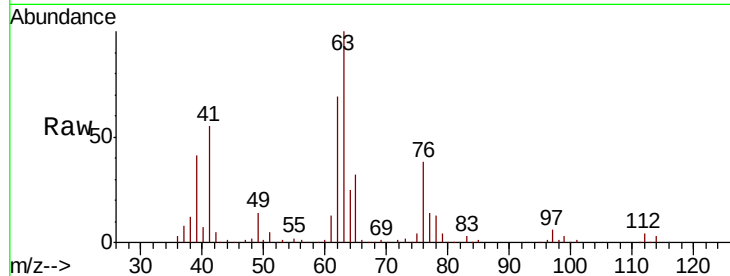




#45
 1,2-Dichloropropane
 Concen: 20.240 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

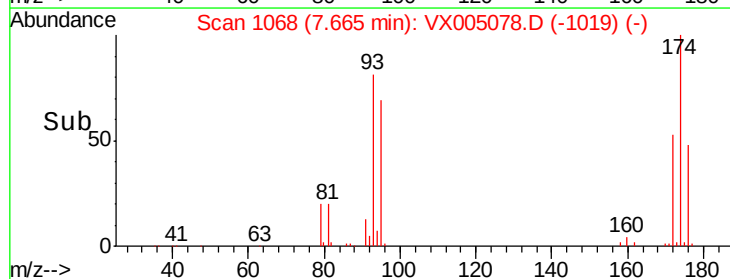
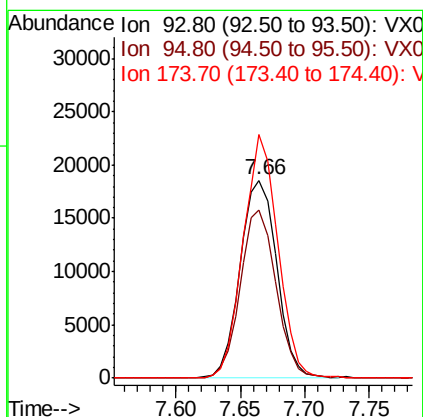
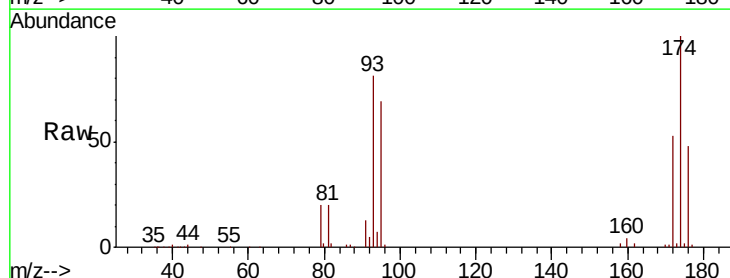
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

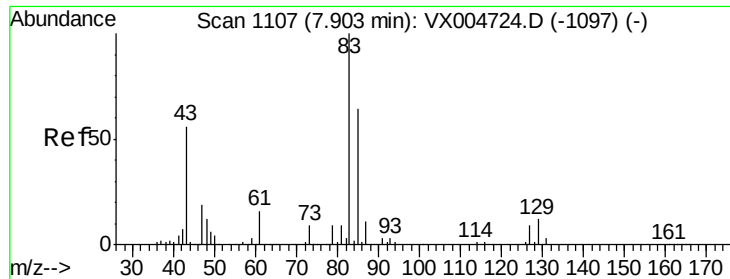
Tot Ion: 63 Resp: 59346
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.9 35.9



#46
 Dibromomethane
 Concen: 19.917 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion: 93 Resp: 36701
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 115.6 92.7 139.1

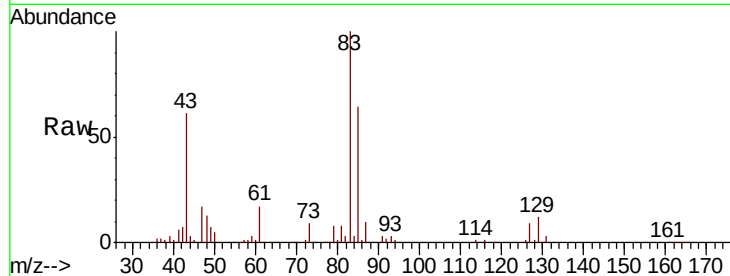




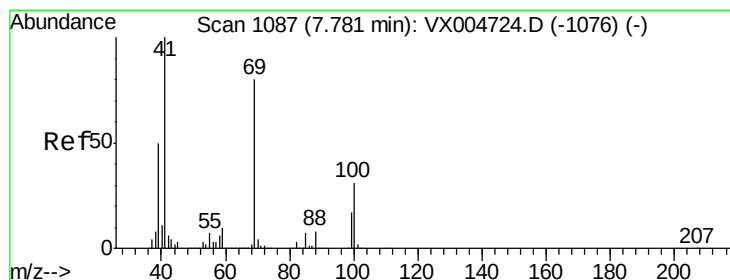
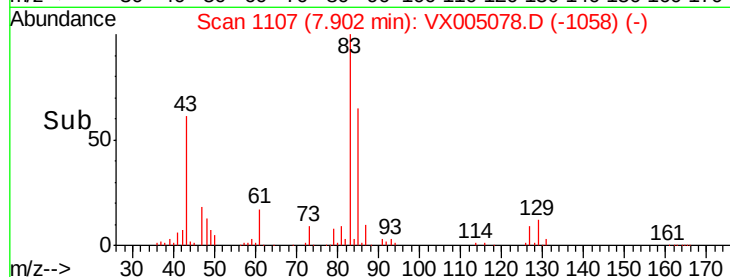
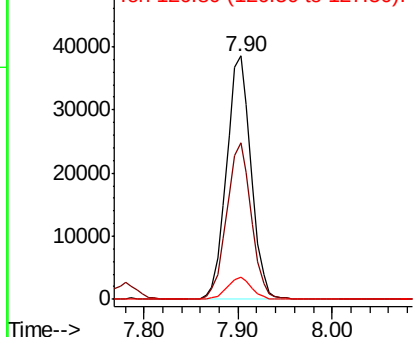
#47
Bromodichloromethane
Concen: 20.181 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion: 83 Resp: 69626
Ion Ratio Lower Upper
83 100
85 64.2 51.2 76.8
127 8.9 7.0 10.6

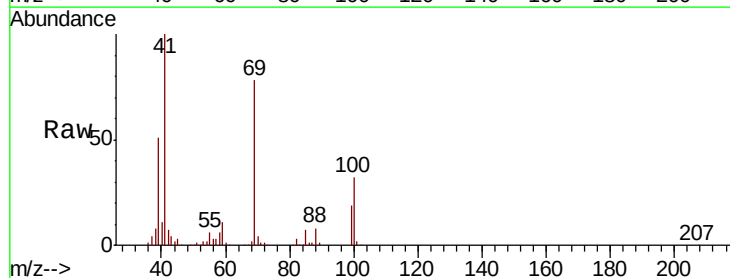


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

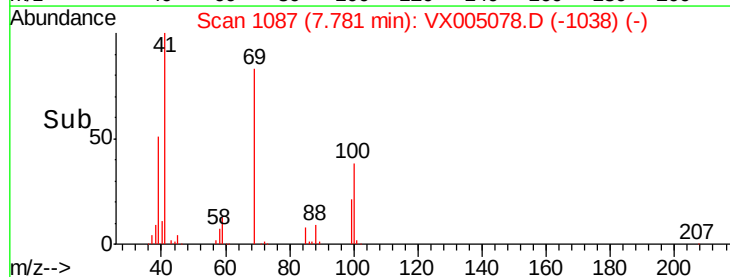
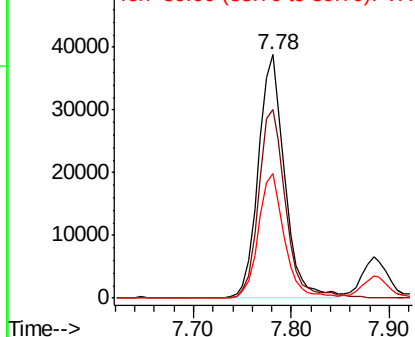


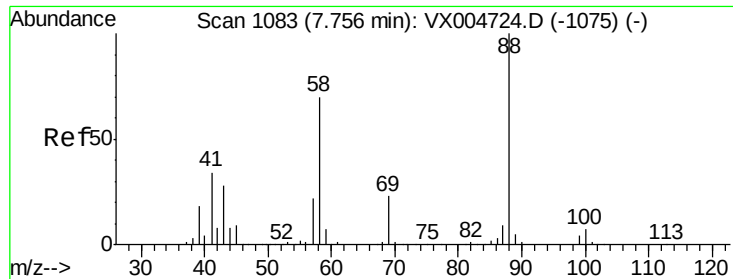
#48
Methyl methacrylate
Concen: 21.811 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 41 Resp: 72437
Ion Ratio Lower Upper
41 100
69 79.8 63.8 95.6
39 49.9 40.7 61.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

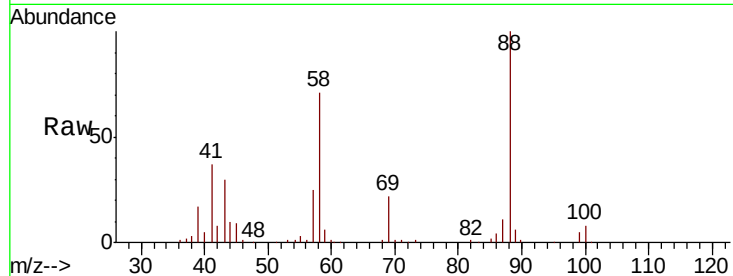




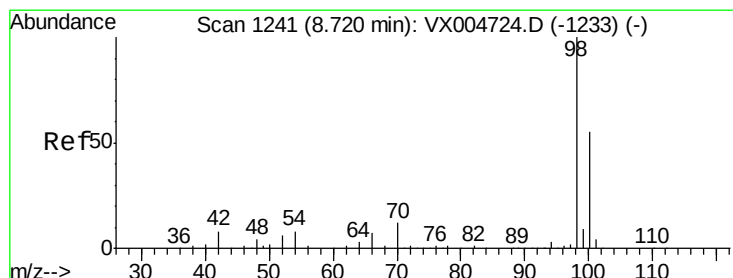
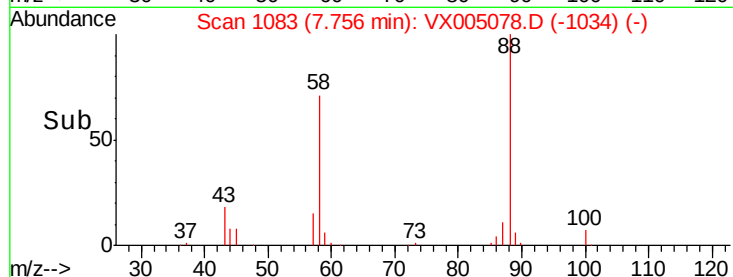
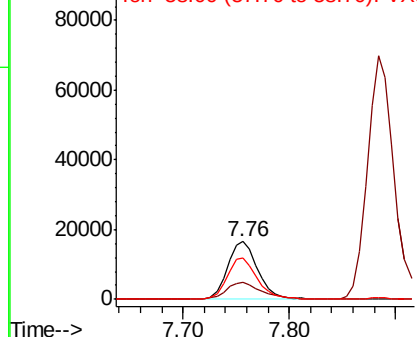
#49
1,4-Dioxane
Concen: 396.348 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion: 88 Resp: 32702
Ion Ratio Lower Upper
88 100
43 32.8 25.1 37.7
58 72.2 56.2 84.2

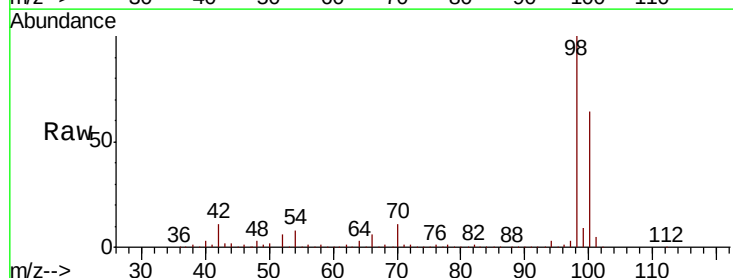


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

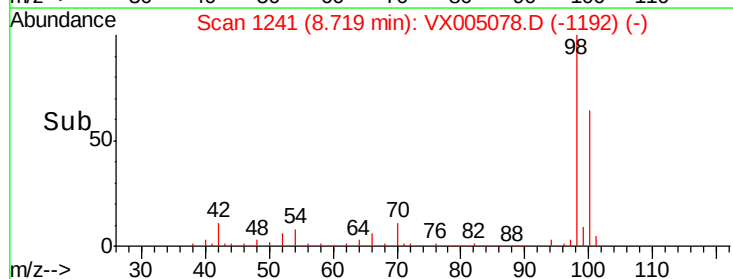
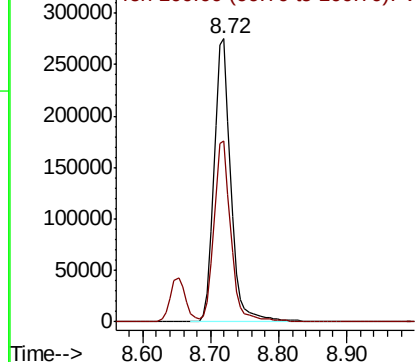


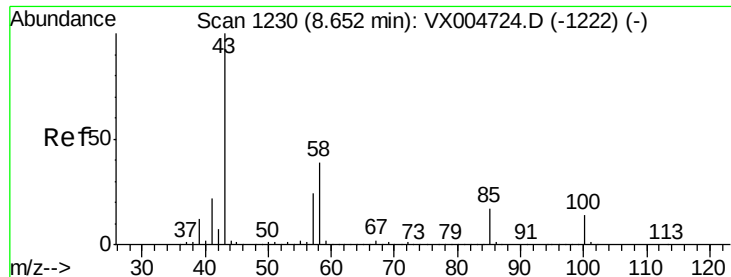
#50
Toluene-d8
Concen: 50.559 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 98 Resp: 470491
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



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

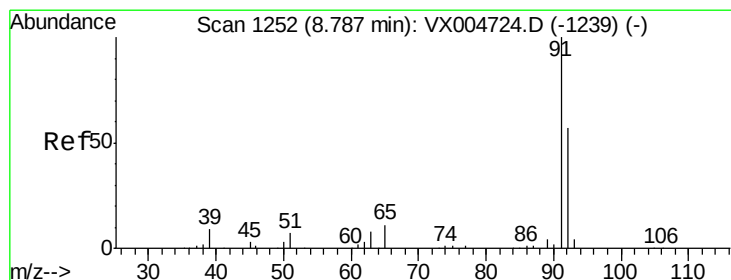
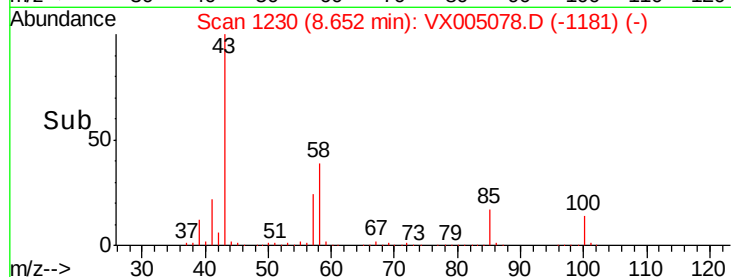
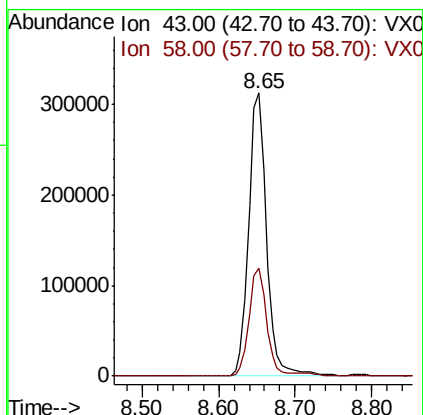
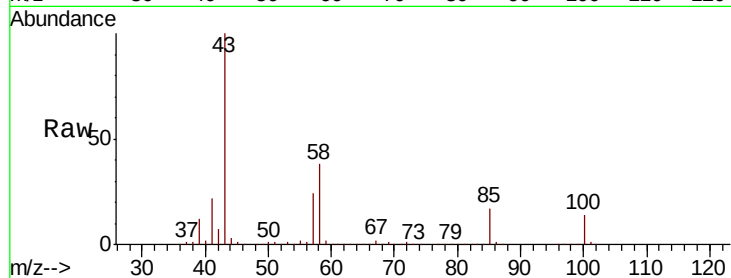




#51
4-Methyl-2-Pentanone
Concen: 110.544 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

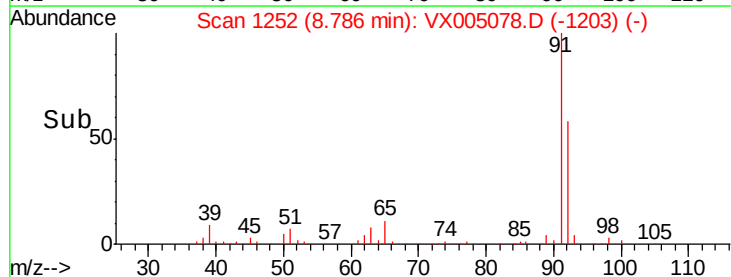
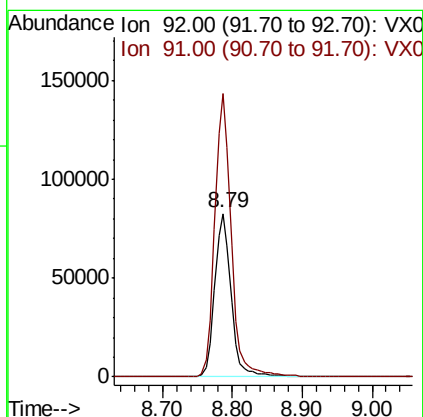
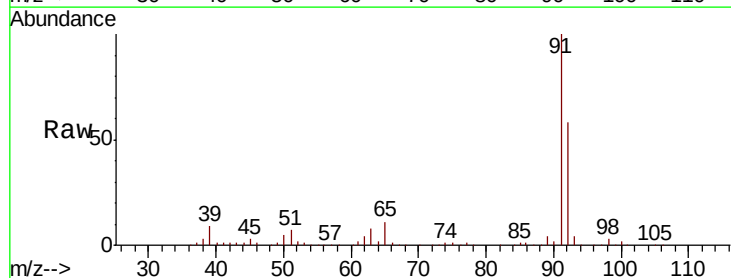
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

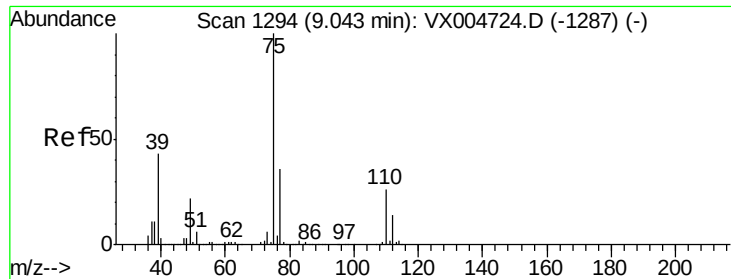
Tot Ion: 43 Resp: 509287
Ion Ratio Lower Upper
43 100
58 37.6 30.5 45.7



#52
Toluene
Concen: 20.564 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 92 Resp: 135103
Ion Ratio Lower Upper
92 100
91 173.3 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.300 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

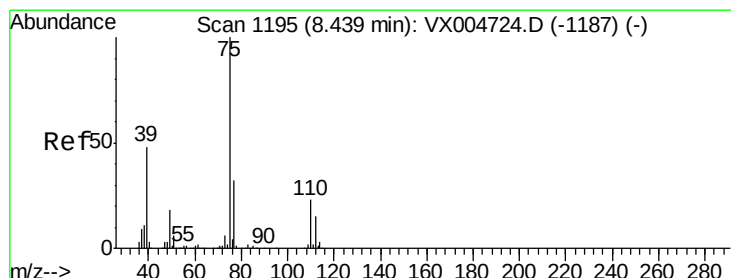
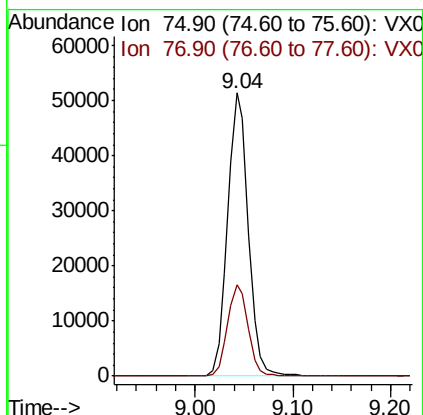
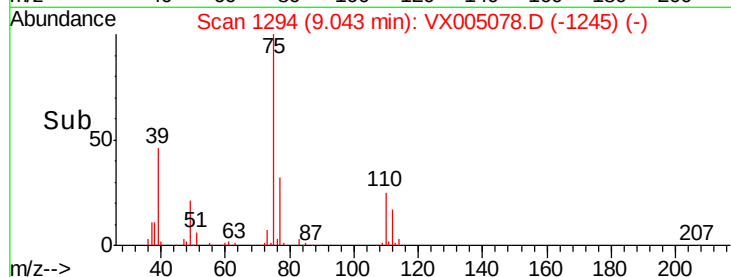
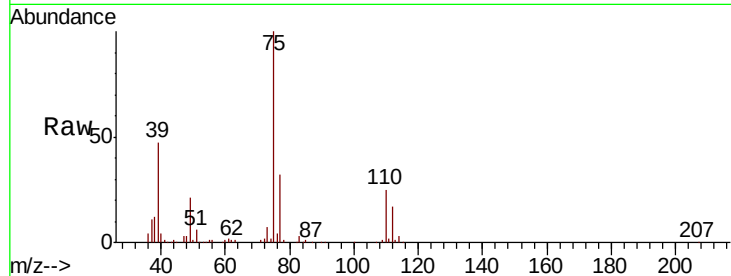
VX1005WBS01

Tot Ion: 75 Resp: 75245

Ion Ratio Lower Upper

75 100

77 32.4 28.9 43.3



#54

cis-1,3-Dichloropropene

Concen: 20.574 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

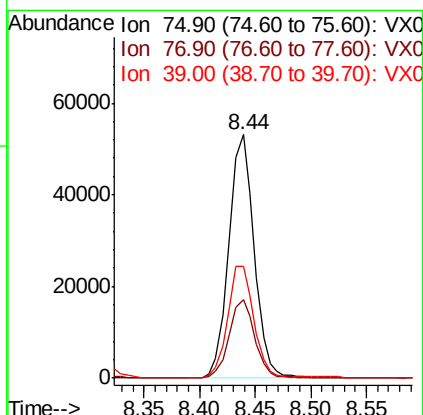
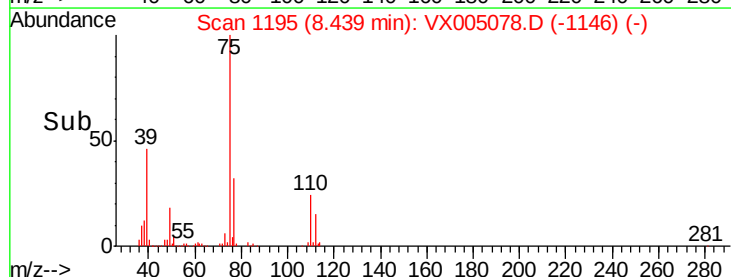
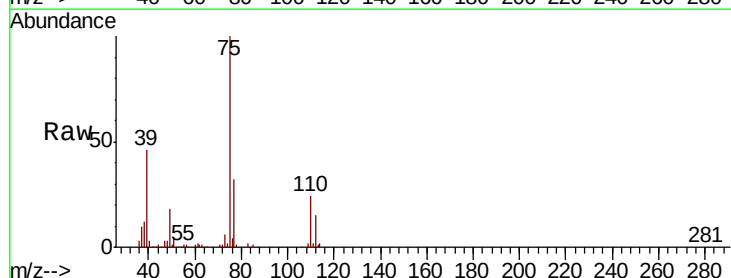
Tgt Ion: 75 Resp: 84013

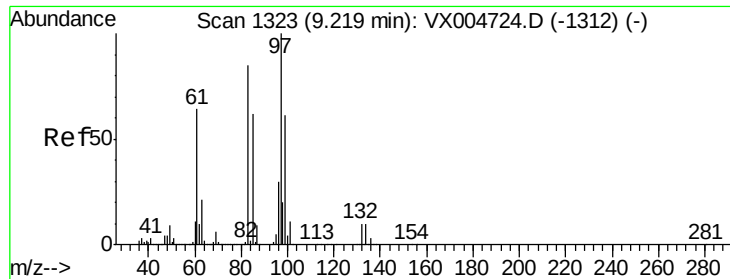
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 45.6 38.3 57.5

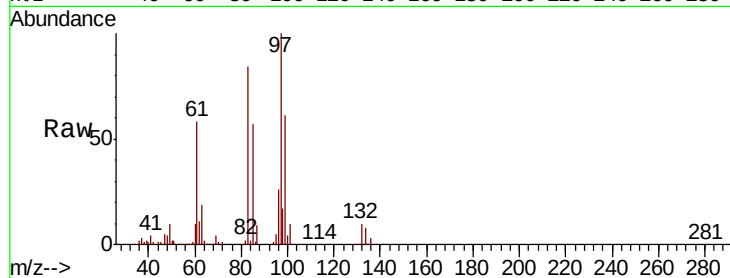




#55
 1,1,2-Trichloroethane
 Concen: 19.716 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion:	97	Resp:	56738
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.2	102.2
85	56.6	49.9	74.9
99	60.8	48.9	73.3



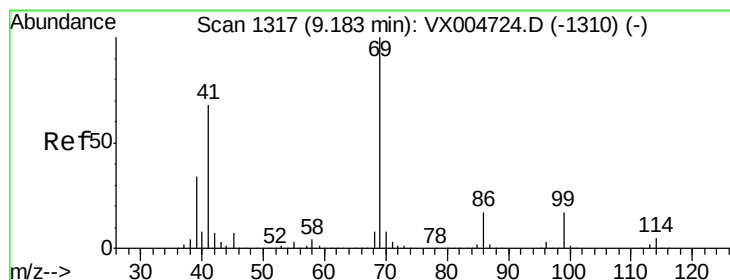
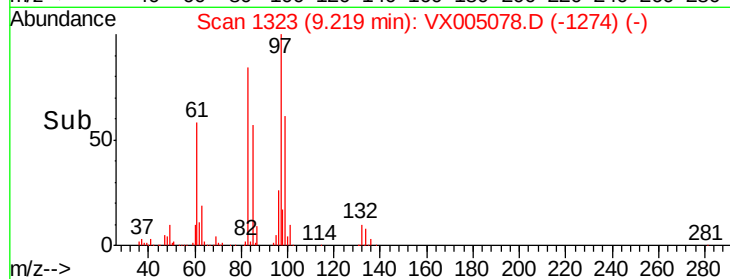
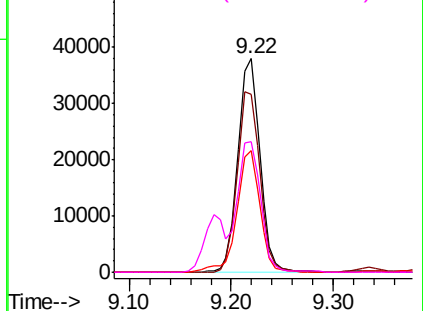
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

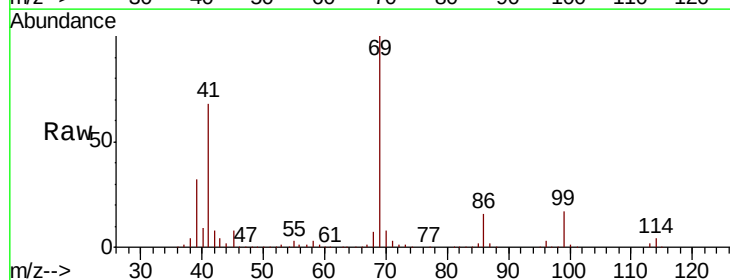
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 20.148 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion:	69	Resp:	85627
Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.9	85.3
39	32.8	28.4	42.6

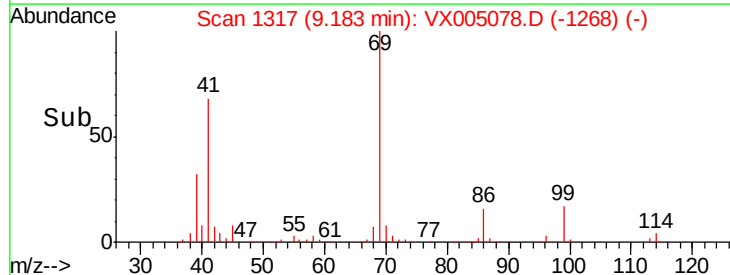
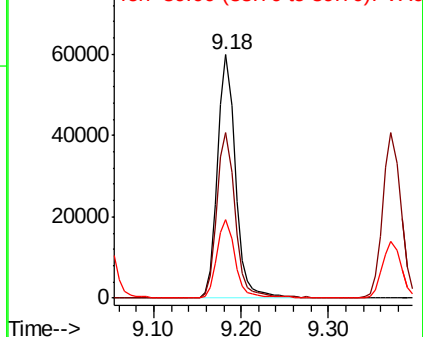


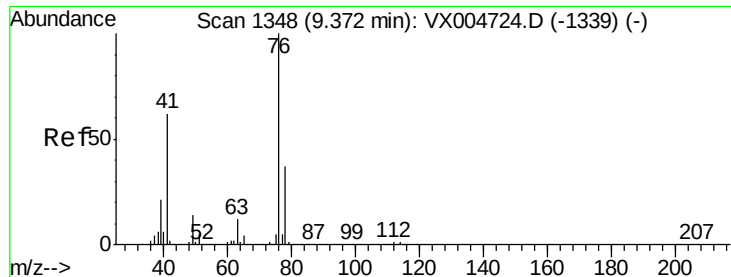
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

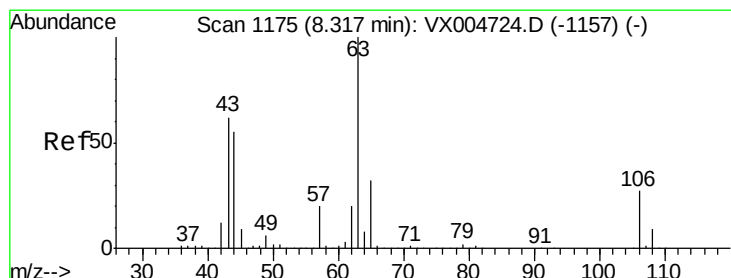
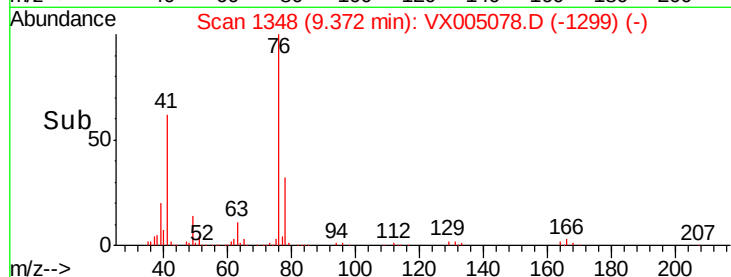
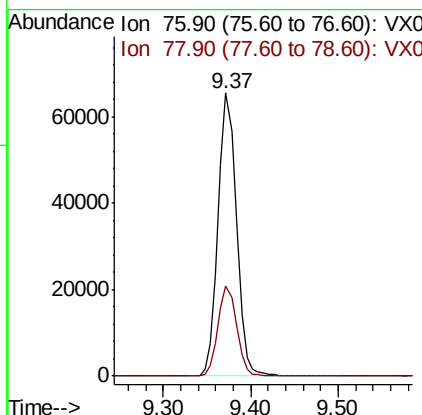
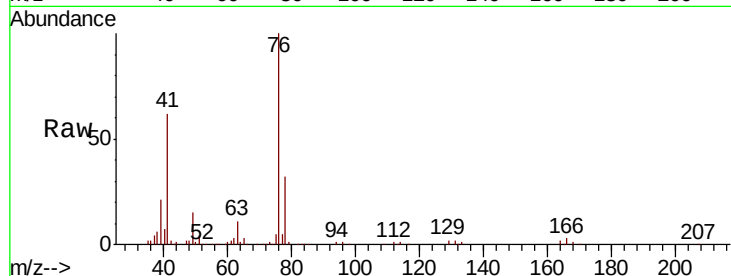




#57
 1,3-Dichloropropane
 Concen: 19.981 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

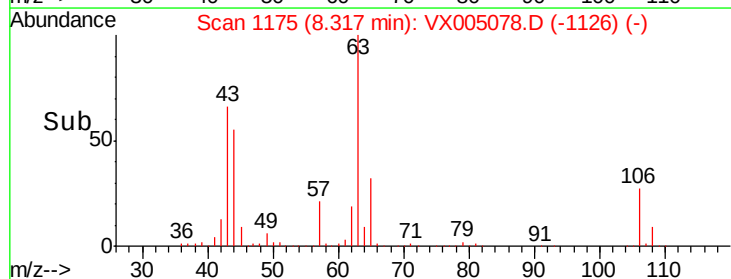
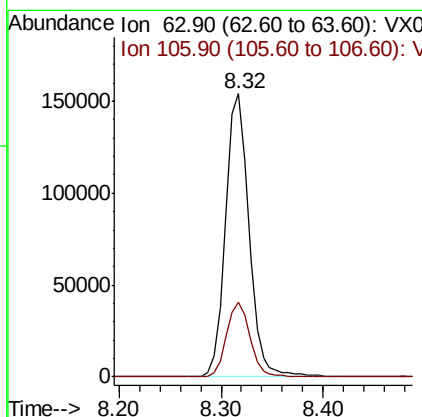
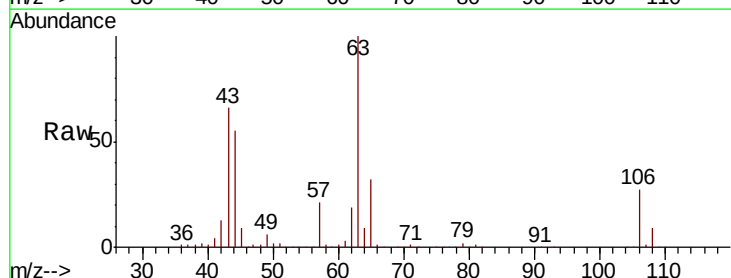
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

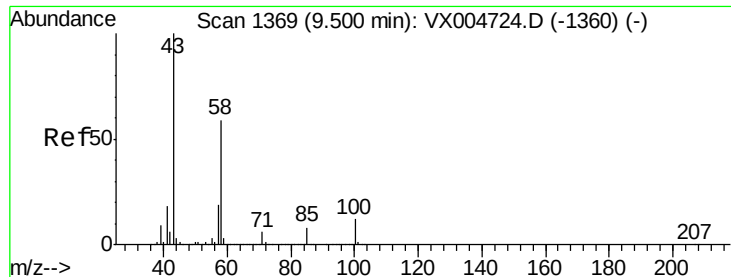
Tot Ion: 76 Resp: 95701
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.518 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion: 63 Resp: 245263
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.0 31.6

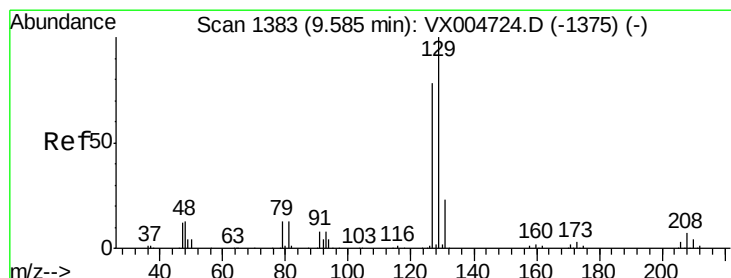
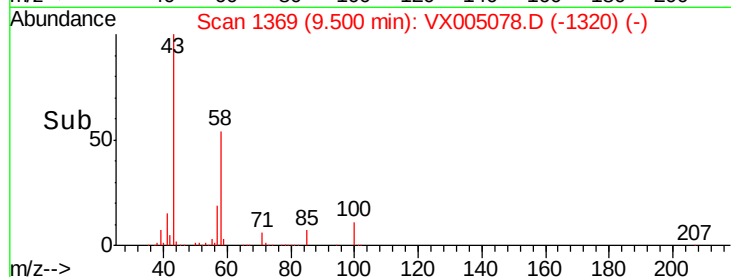
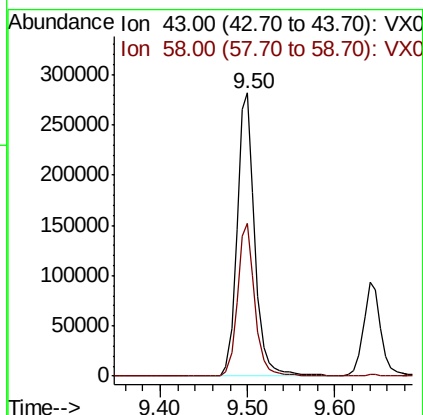
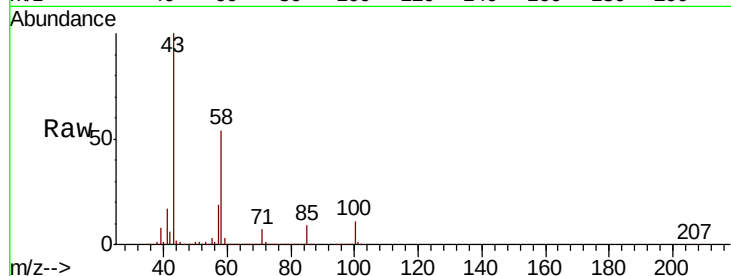




#59
2-Hexanone
Concen: 103.870 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

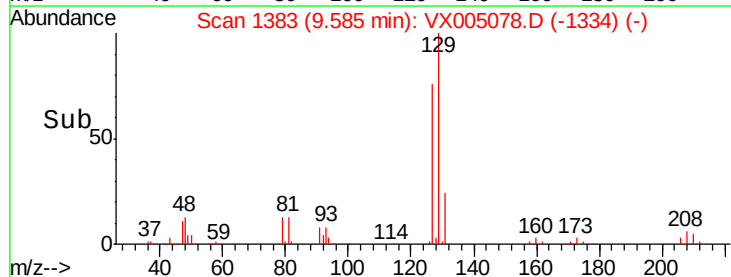
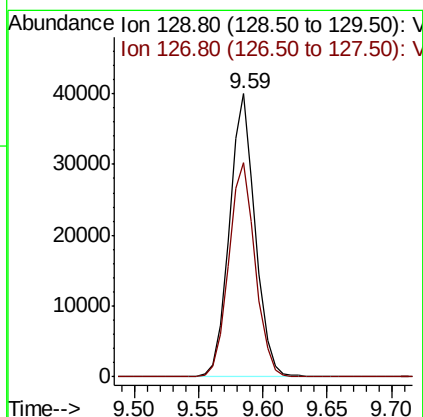
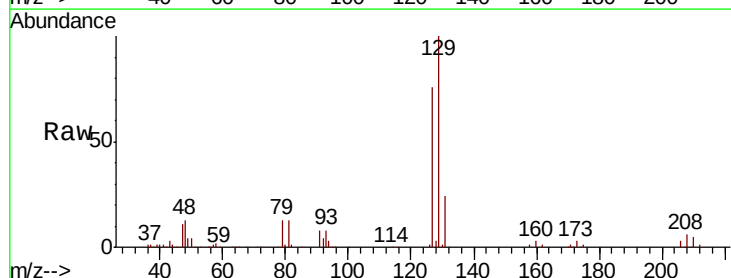
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

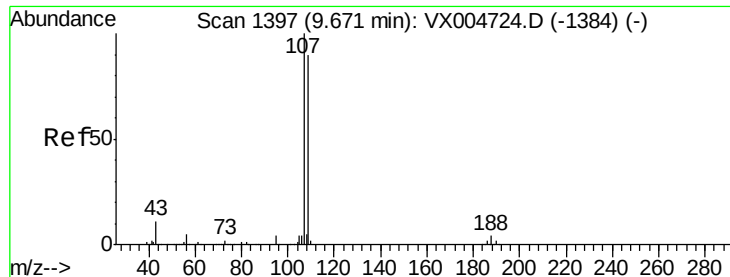
Tot Ion: 43 Resp: 398778
Ion Ratio Lower Upper
43 100
58 53.0 28.4 85.3



#60
Dibromochloromethane
Concen: 19.392 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 129 Resp: 55811
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.983 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

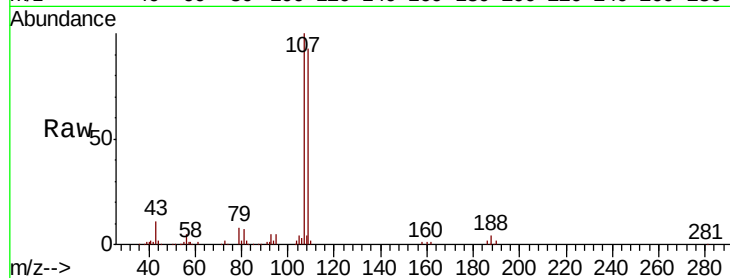
VX1005WBS01

Tot Ion:107 Resp: 58506

Ion Ratio Lower Upper

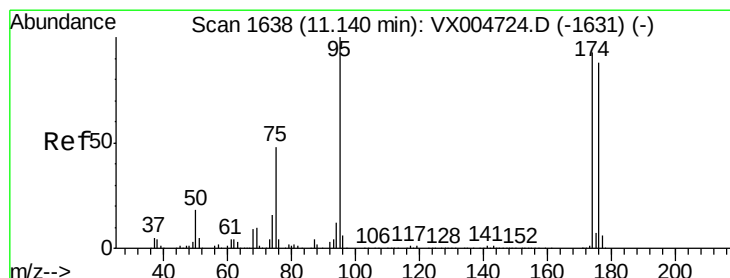
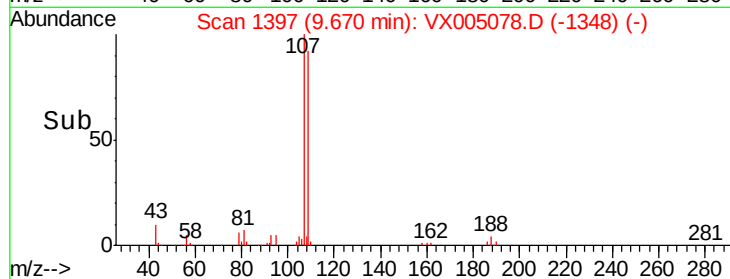
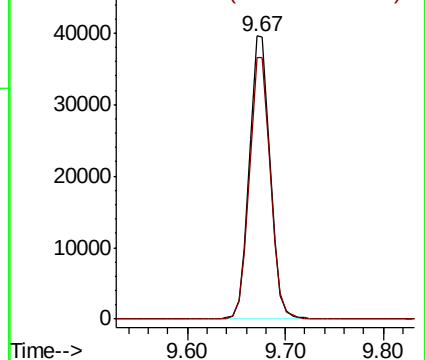
107 100

109 93.6 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.680 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

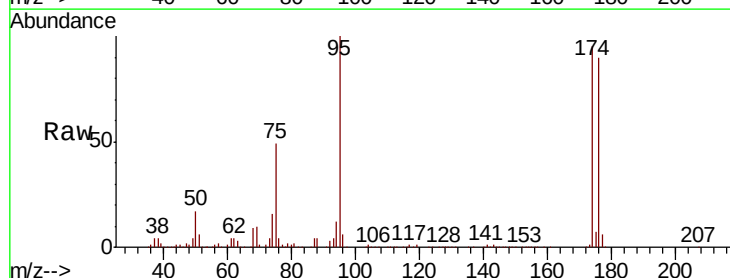
Tgt Ion: 95 Resp: 173256

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.0

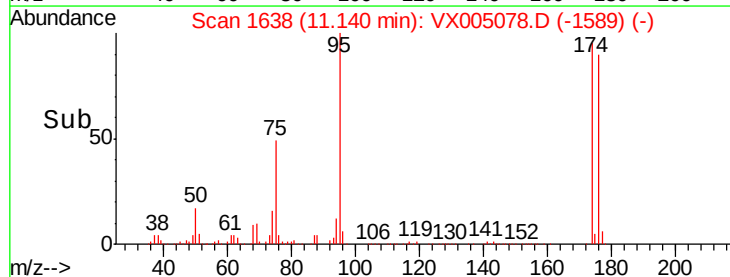
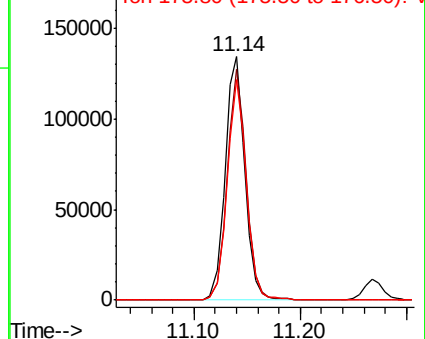
176 88.5 0.0 180.2

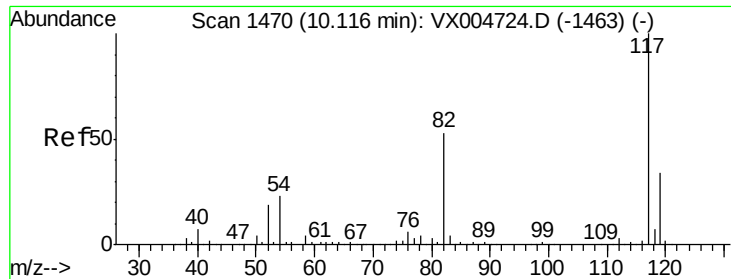


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

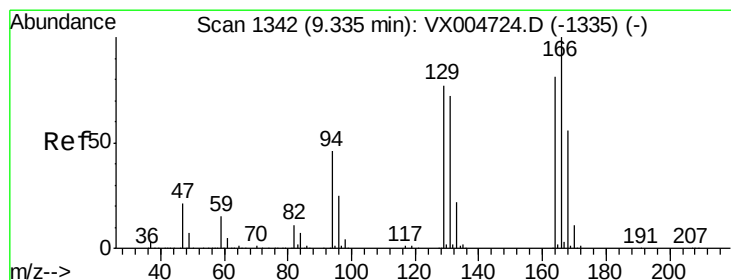
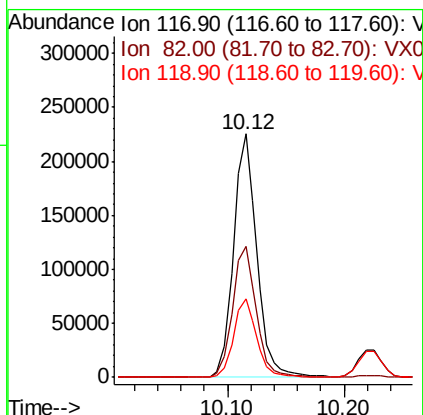
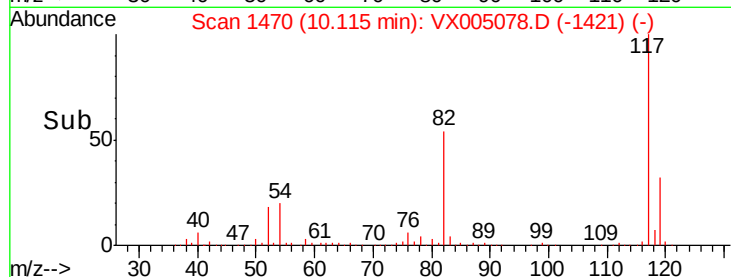
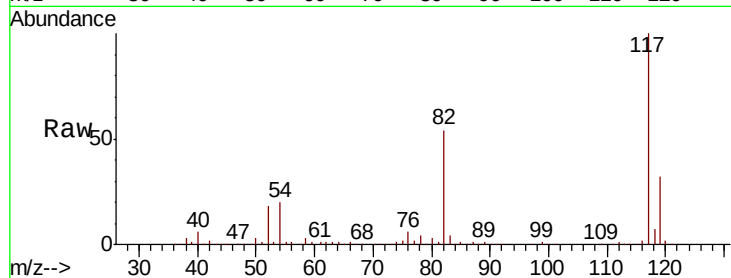




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

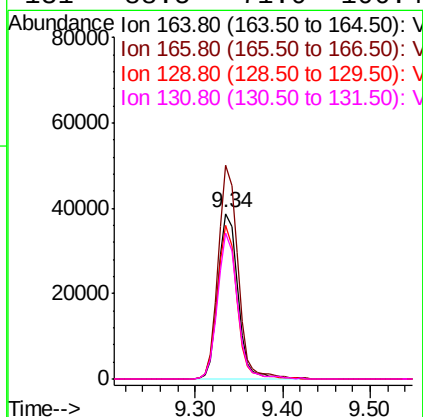
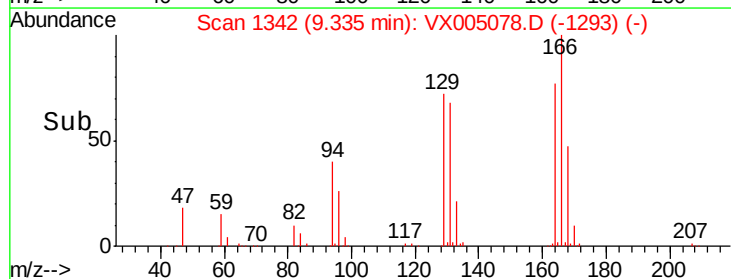
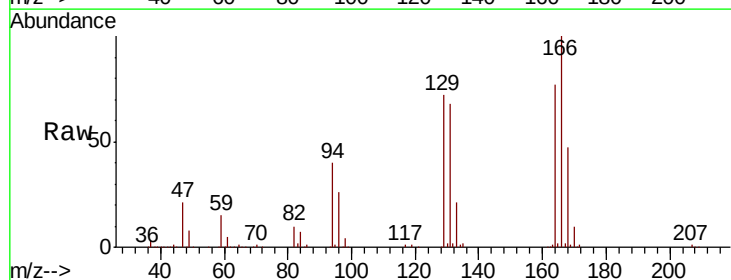
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

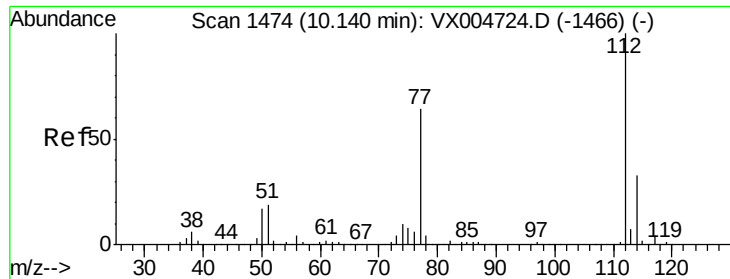
Tot Ion:117 Resp: 314475
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.3 27.4 41.0



#64
Tetrachloroethene
Concen: 19.791 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion:164 Resp: 61255
Ion Ratio Lower Upper
164 100
166 129.2 98.4 147.6
129 92.6 76.1 114.1
131 88.5 71.0 106.4

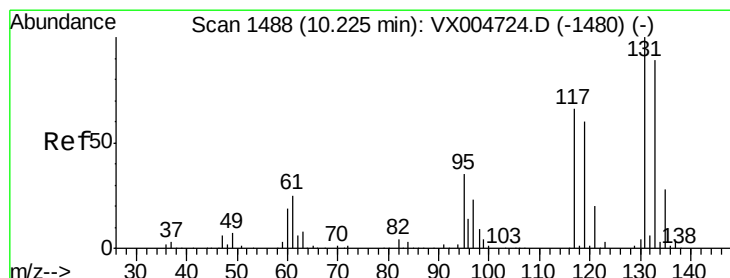
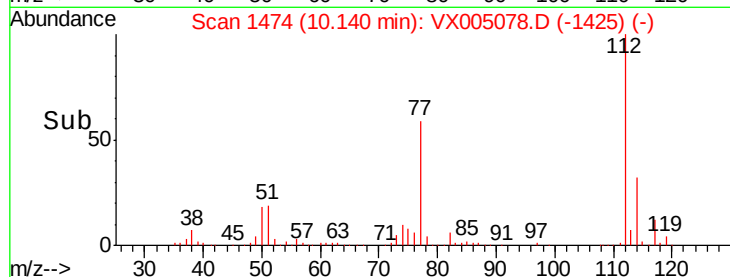
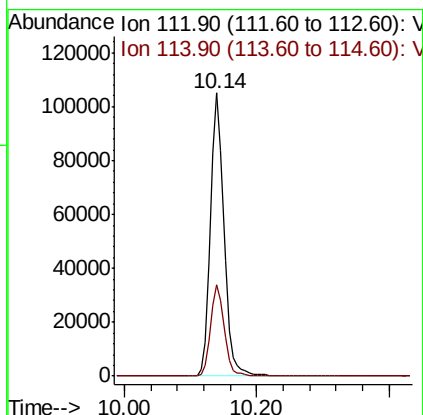
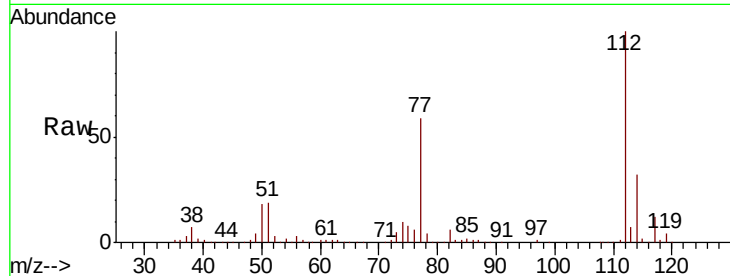




#65
Chlorobenzene
Concen: 18.634 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

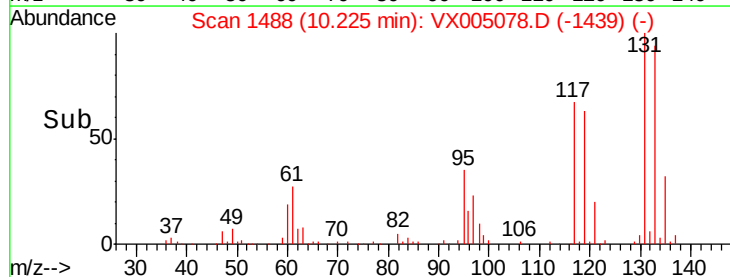
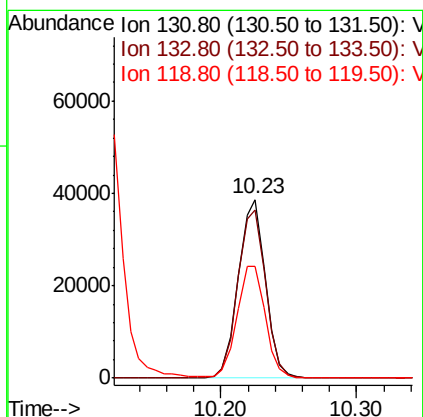
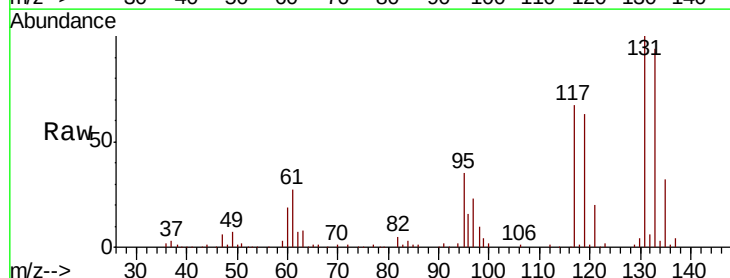
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

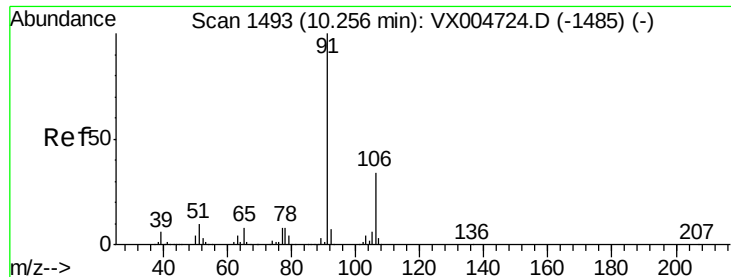
Tot Ion:112 Resp: 150262
Ion Ratio Lower Upper
112 100
114 32.4 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.916 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion:131 Resp: 53627
Ion Ratio Lower Upper
131 100
133 97.0 48.4 145.0
119 65.9 32.3 96.8

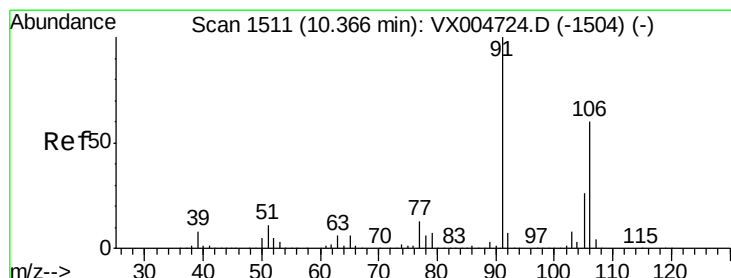
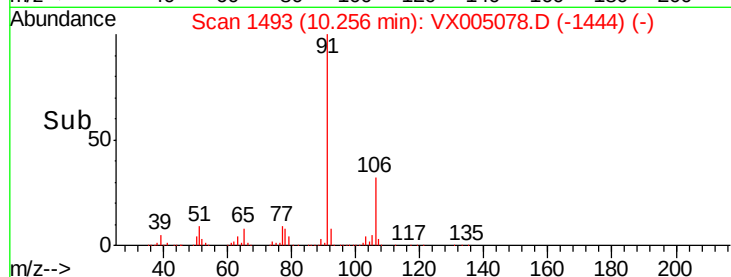
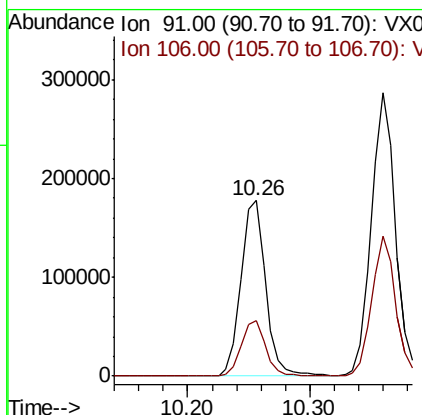
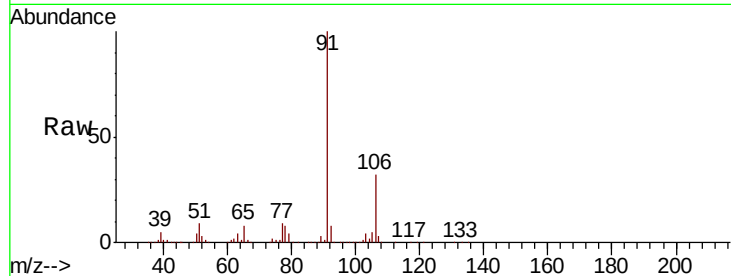




#67
Ethyl Benzene
Concen: 19.518 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

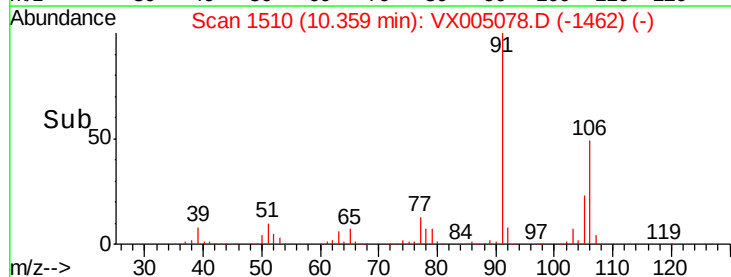
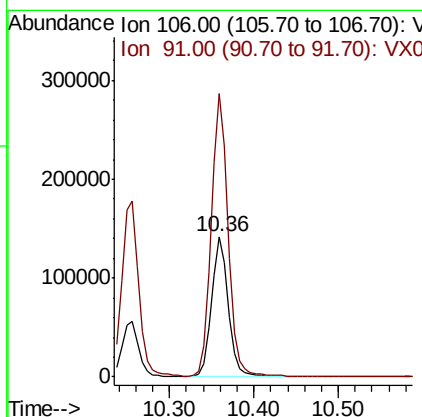
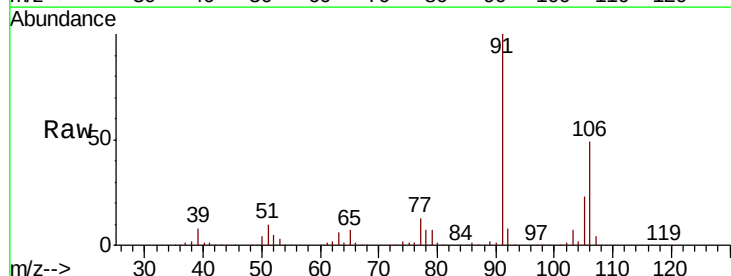
Instrument :
MSVOA_X
ClientSampled :
VX1005WBS01

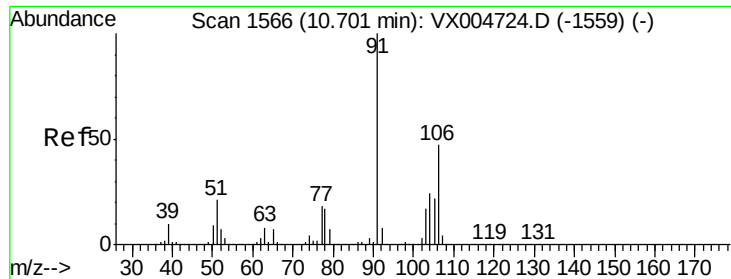
Tot Ion: 91 Resp: 249876
Ion Ratio Lower Upper
91 100
106 31.9 26.9 40.3



#68
m/p-Xylenes
Concen: 39.091 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 106 Resp: 195567
Ion Ratio Lower Upper
106 100
91 204.1 157.5 236.3

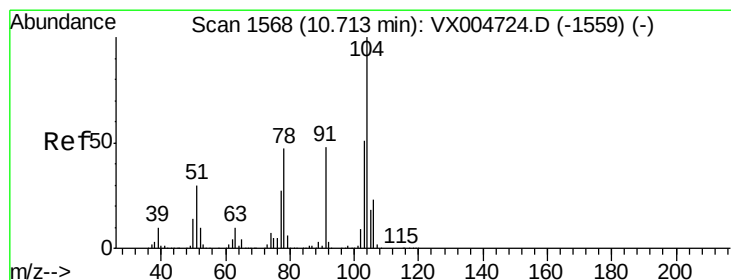
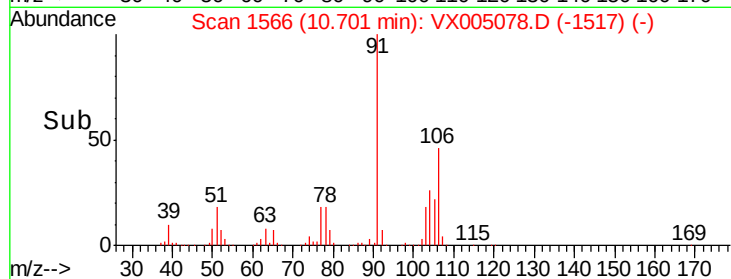
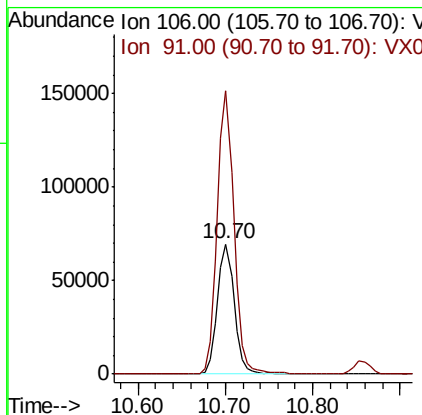
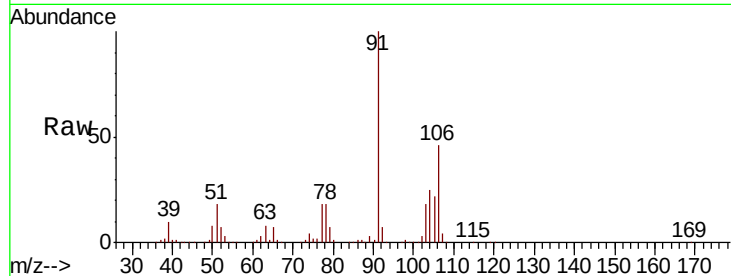




#69
o-Xylene
Concen: 20.238 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

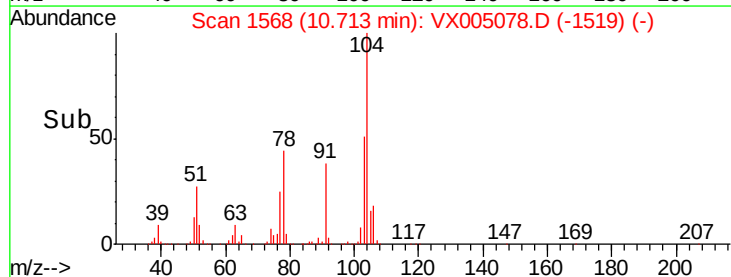
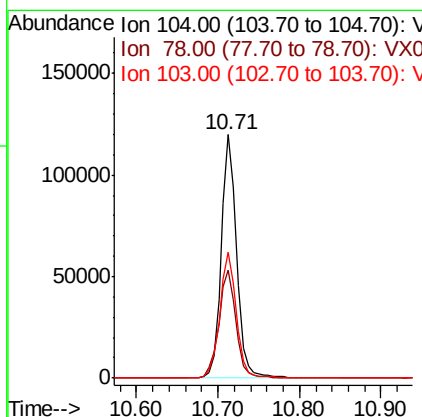
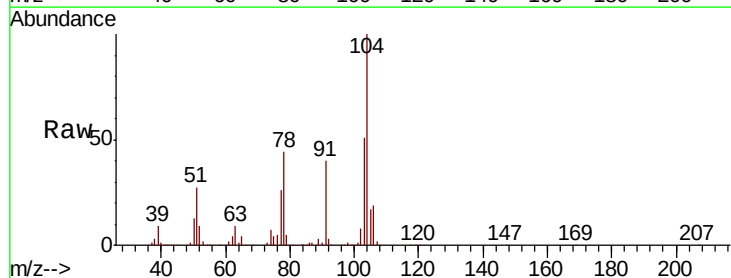
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

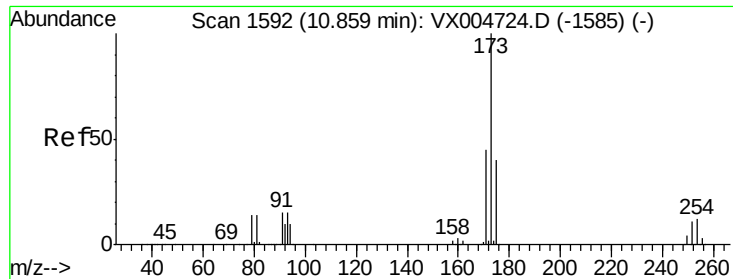
Tot Ion:106 Resp: 92996
Ion Ratio Lower Upper
106 100
91 215.5 108.3 324.8



#70
Styrene
Concen: 19.688 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion:104 Resp: 157556
Ion Ratio Lower Upper
104 100
78 50.1 40.0 60.0
103 56.4 44.3 66.5





#71

Bromoform

Concen: 18.270 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

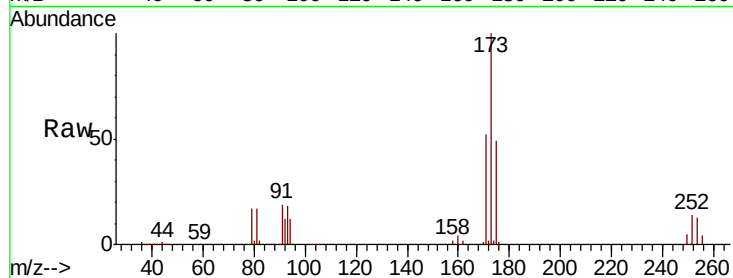
Tot Ion:173 Resp: 44344

Ion Ratio Lower Upper

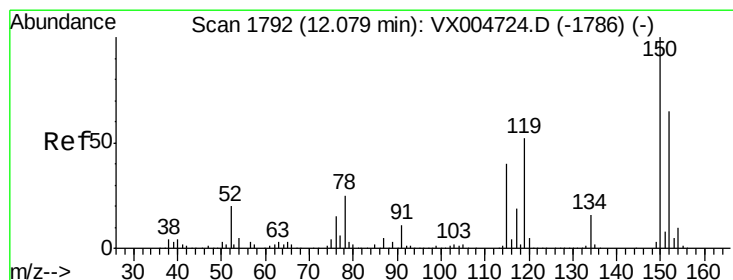
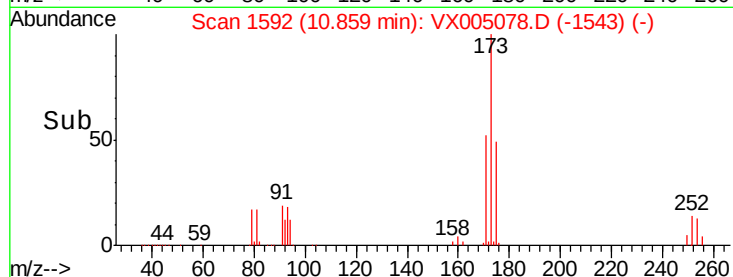
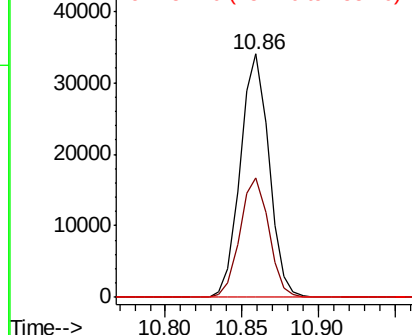
173 100

175 49.4 23.3 69.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

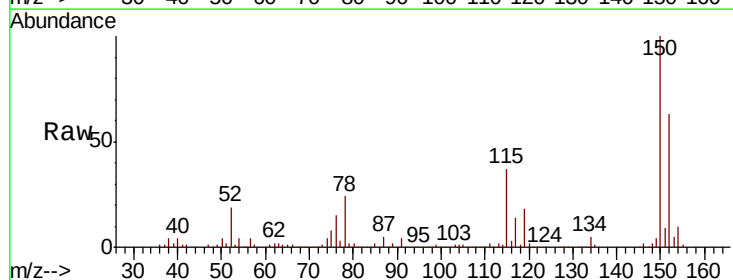
Tgt Ion:152 Resp: 187724

Ion Ratio Lower Upper

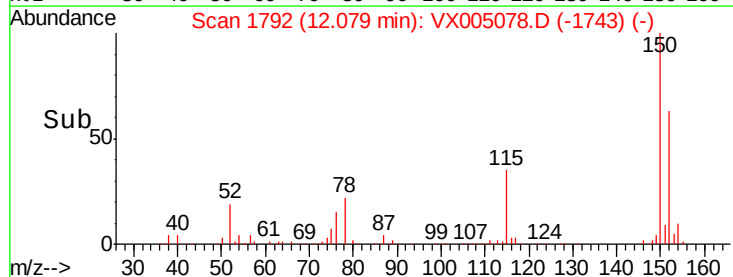
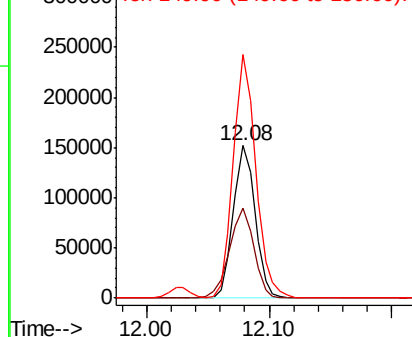
152 100

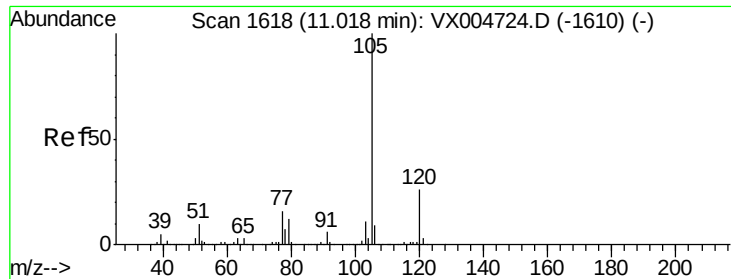
115 65.6 40.2 120.6

150 164.2 0.0 351.0



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





#73

Isopropylbenzene

Concen: 21.928 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

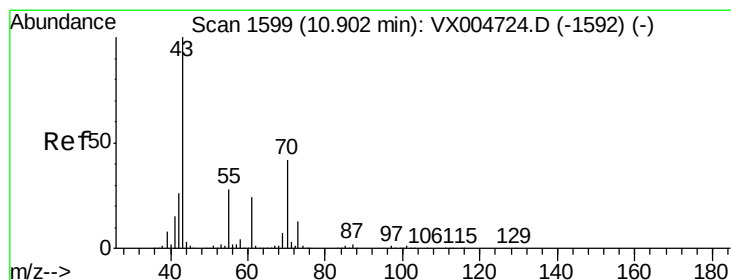
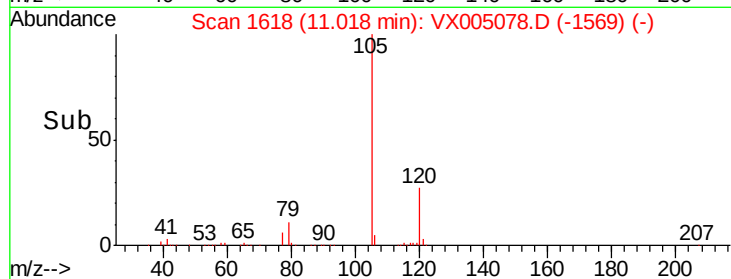
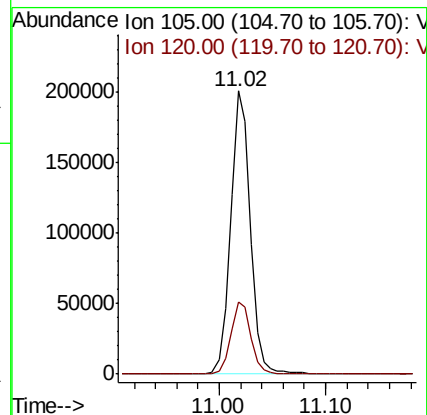
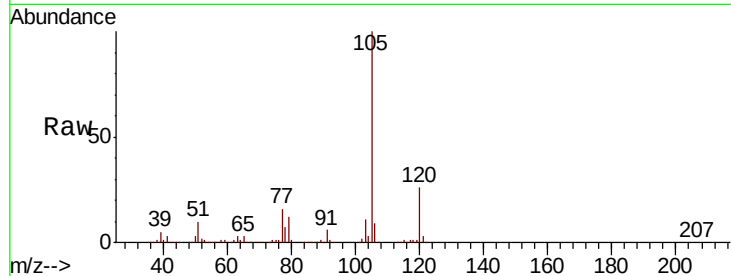
VX1005WBS01

Tot Ion:105 Resp: 259463

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 19.603 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion: 43 Resp: 120330

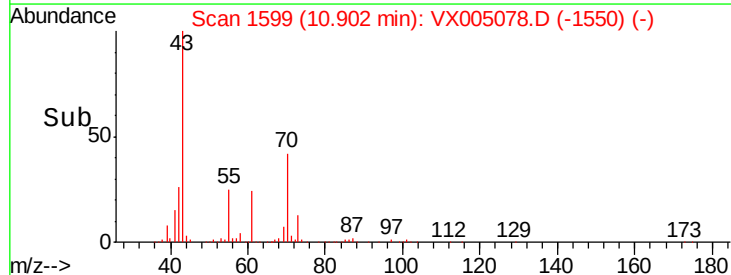
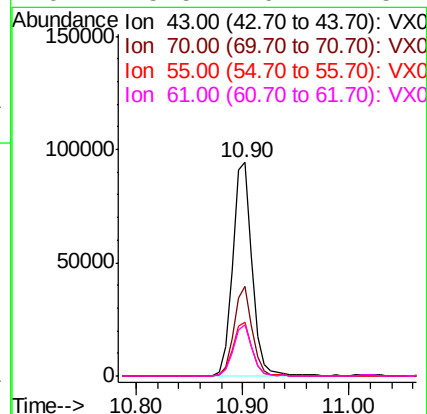
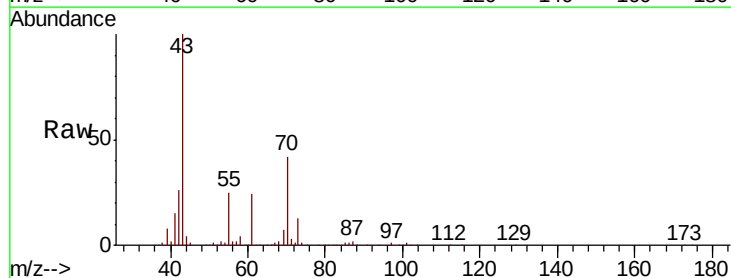
Ion Ratio Lower Upper

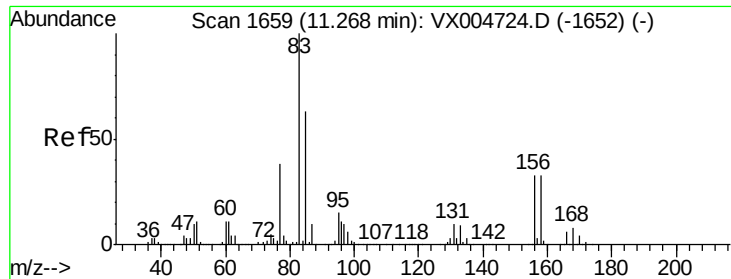
43 100

70 40.2 32.6 48.8

55 25.1 21.6 32.4

61 23.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.382 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

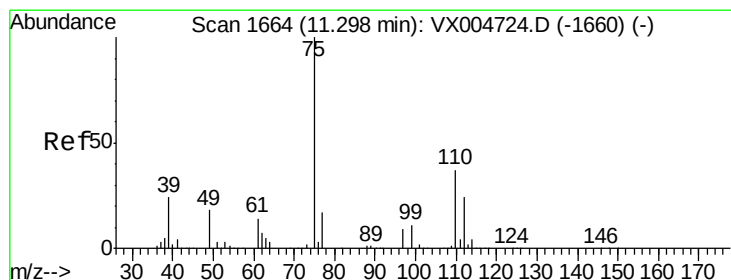
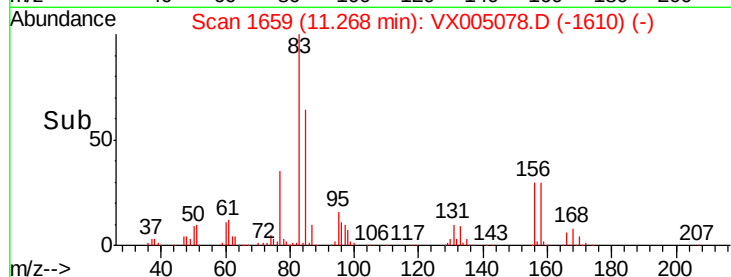
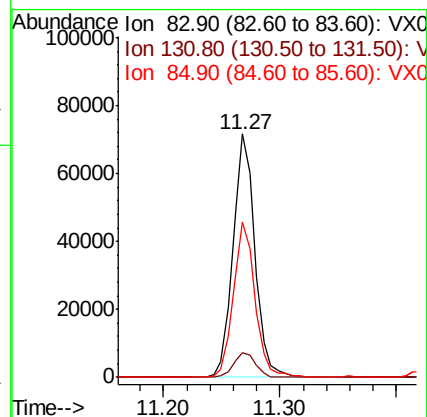
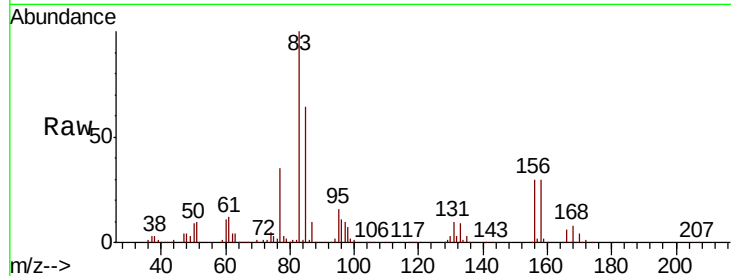
Tot Ion: 83 Resp: 93358

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

85 63.4 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 24.694 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005078.D

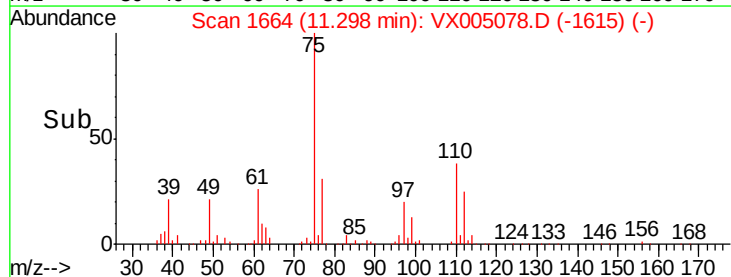
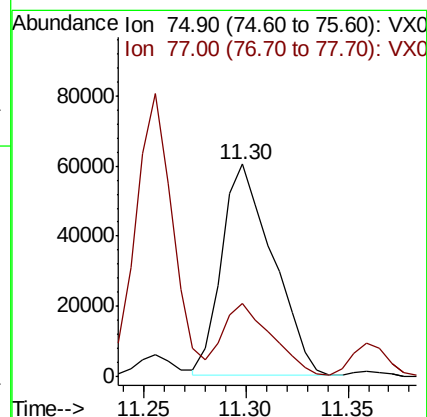
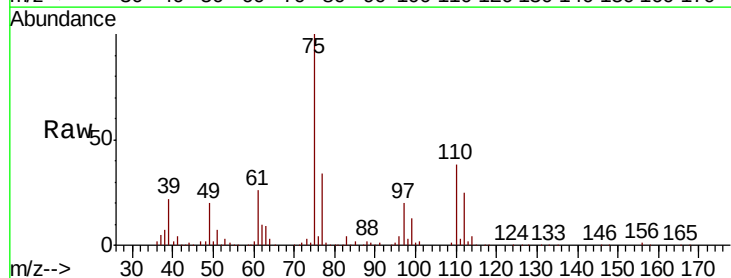
Acq: 05 Oct 2018 20:38

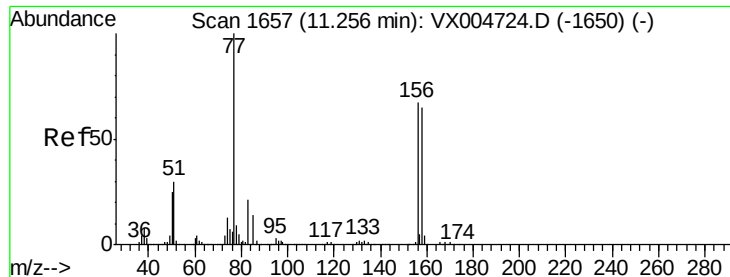
Tgt Ion: 75 Resp: 103901

Ion Ratio Lower Upper

75 100

77 33.8 21.4 64.3





#77

Bromobenzene

Concen: 19.936 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

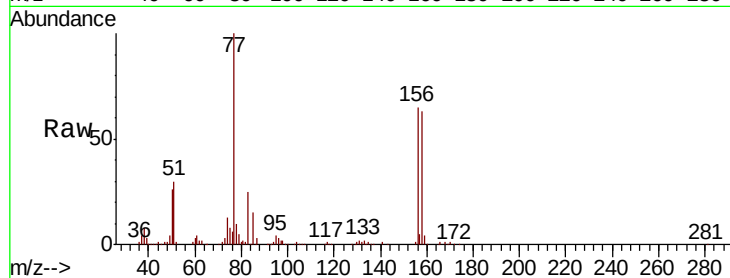
Tot Ion:156 Resp: 68516

Ion Ratio Lower Upper

156 100

77 149.4 73.4 220.2

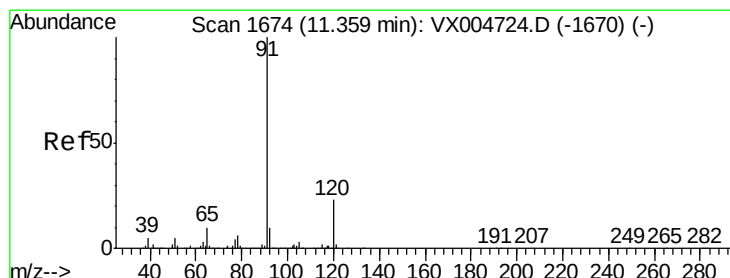
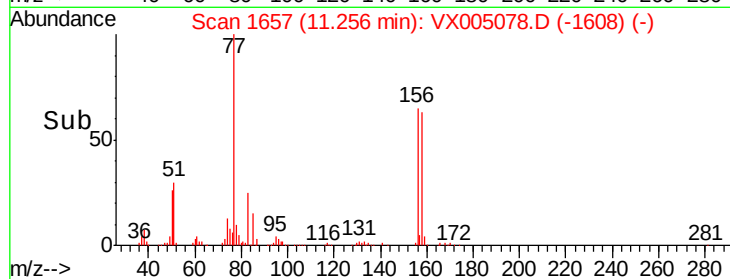
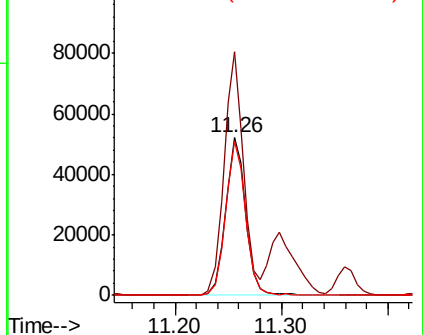
158 97.8 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.470 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005078.D

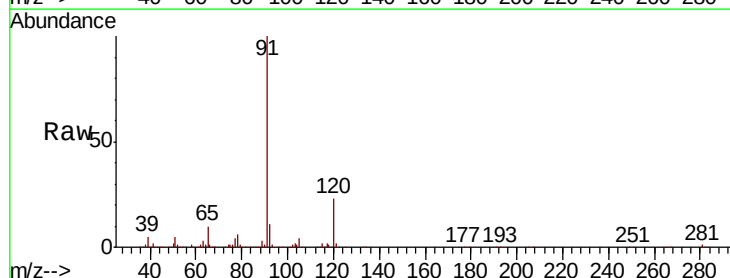
Acq: 05 Oct 2018 20:38

Tgt Ion: 91 Resp: 291491

Ion Ratio Lower Upper

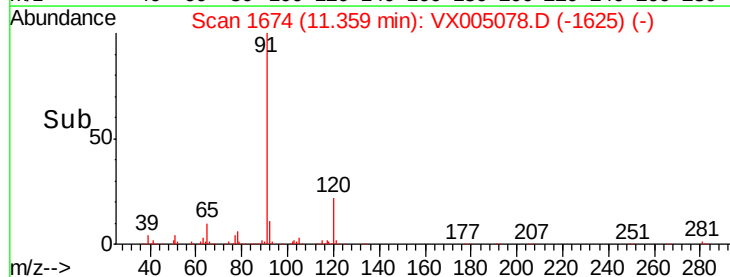
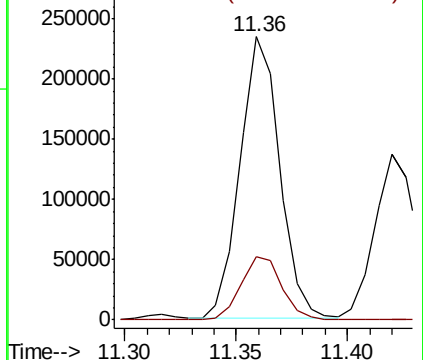
91 100

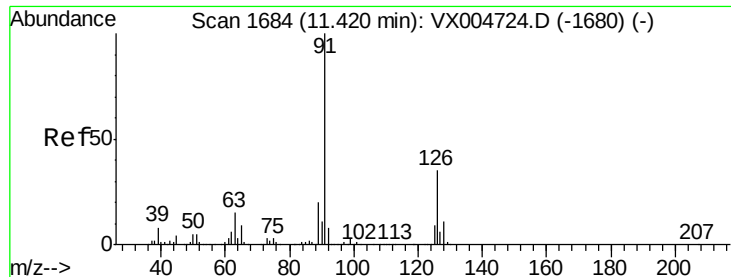
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.934 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

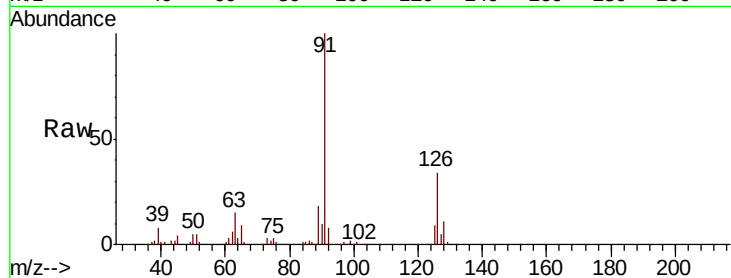
VX1005WBS01

Tot Ion: 91 Resp: 177148

Ion Ratio Lower Upper

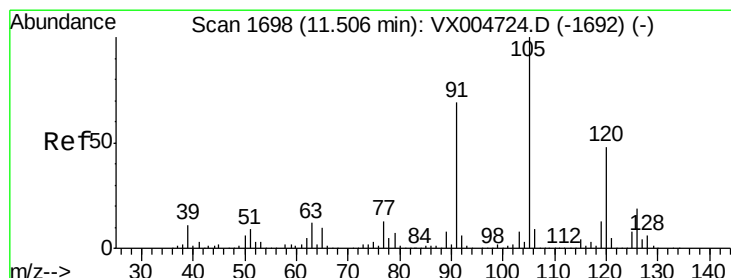
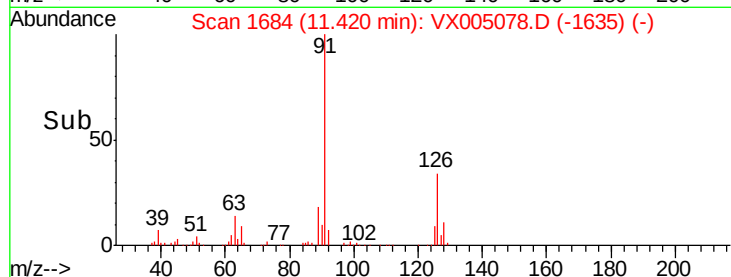
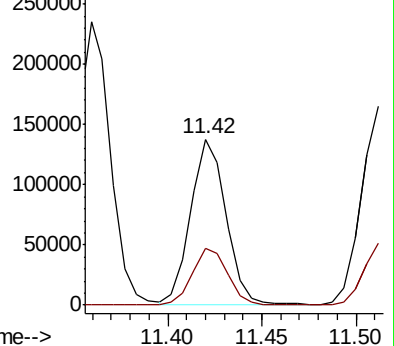
91 100

126 35.1 17.6 52.9



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

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



#80

1,3,5-Trimethylbenzene

Concen: 19.811 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005078.D

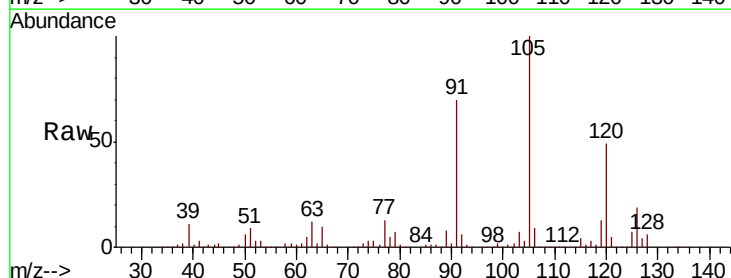
Acq: 05 Oct 2018 20:38

Tgt Ion: 105 Resp: 216139

Ion Ratio Lower Upper

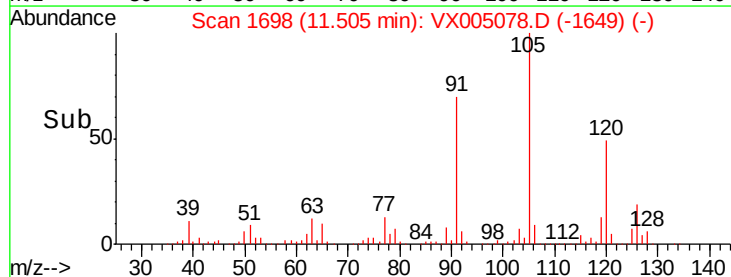
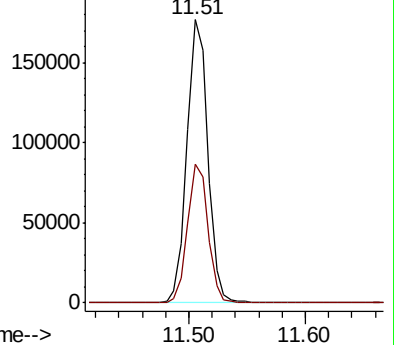
105 100

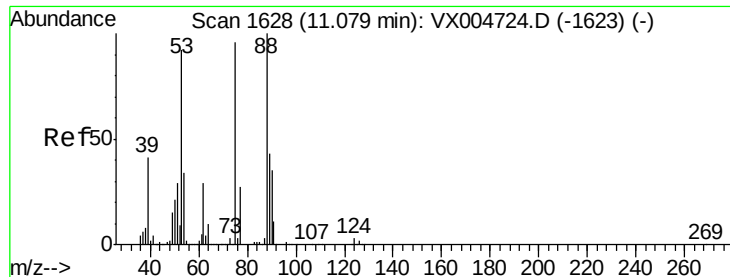
120 48.5 24.3 72.8



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.176 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

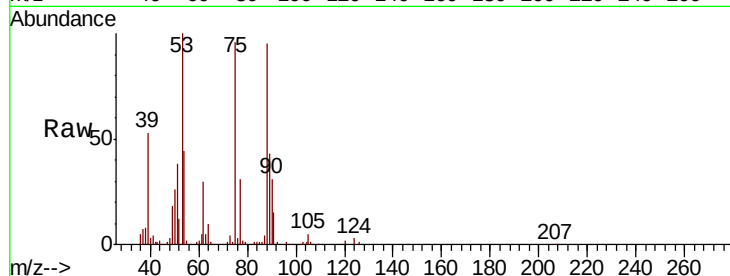
Tot Ion: 75 Resp: 24401

Ion Ratio Lower Upper

75 100

53 103.6 80.2 120.4

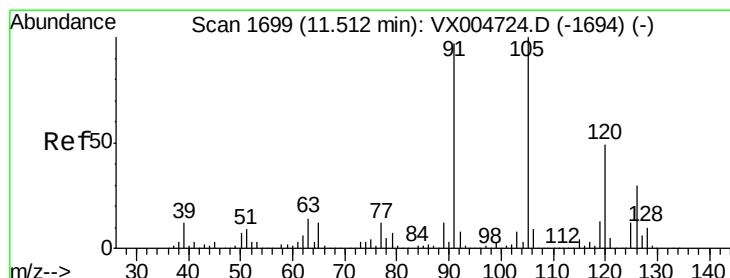
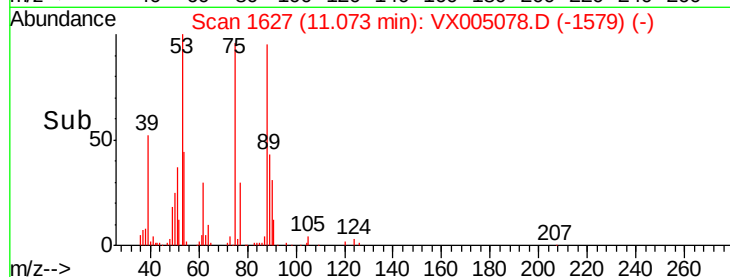
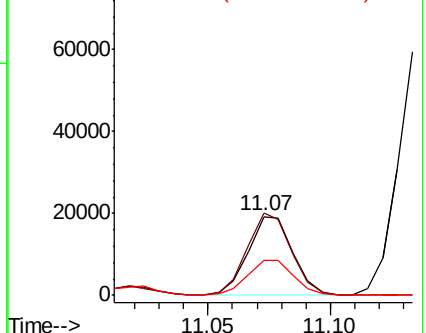
89 47.5 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.827 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005078.D

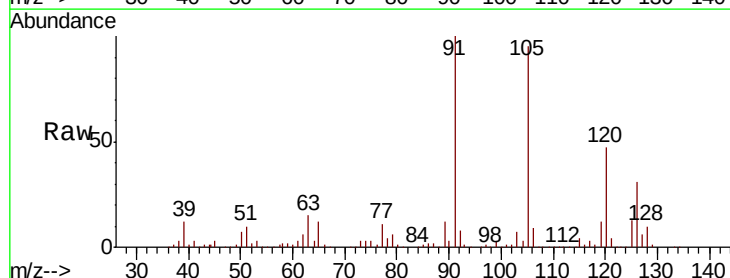
Acq: 05 Oct 2018 20:38

Tgt Ion: 91 Resp: 207446

Ion Ratio Lower Upper

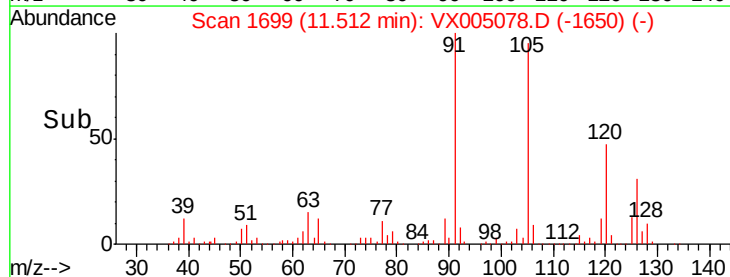
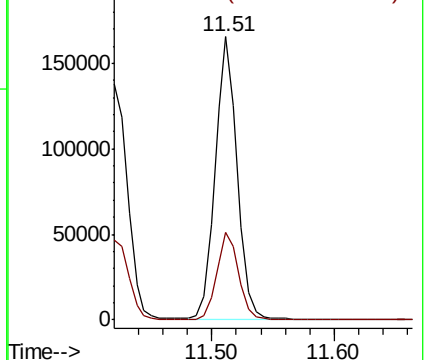
91 100

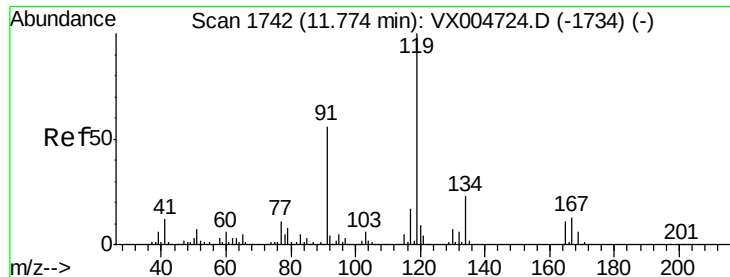
126 30.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

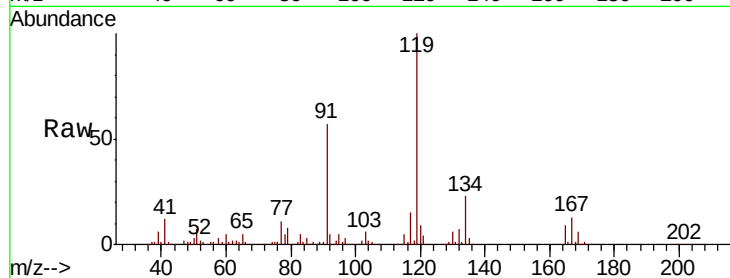




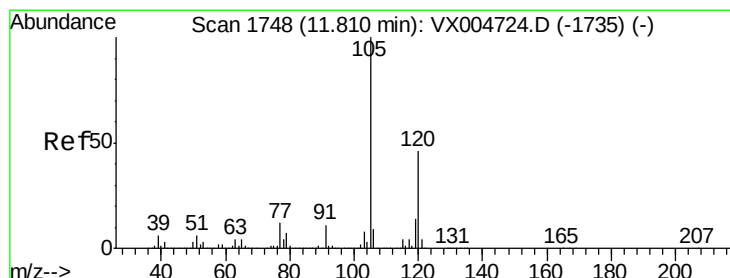
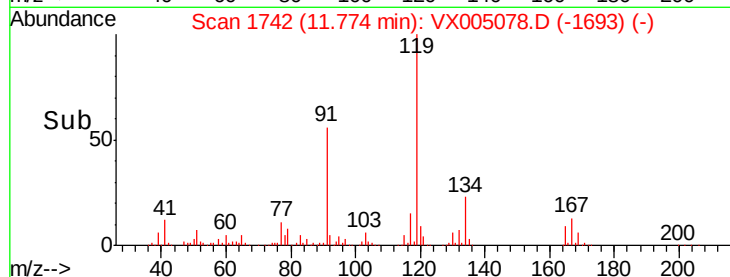
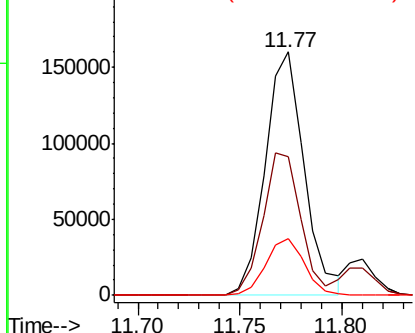
#83
 tert-Butylbenzene
 Concen: 21.910 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion:119 Resp: 213452
 Ion Ratio Lower Upper
 119 100
 91 56.9 27.5 82.5
 134 23.2 11.5 34.4

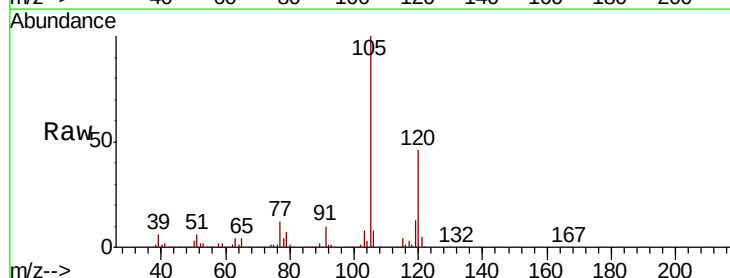


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

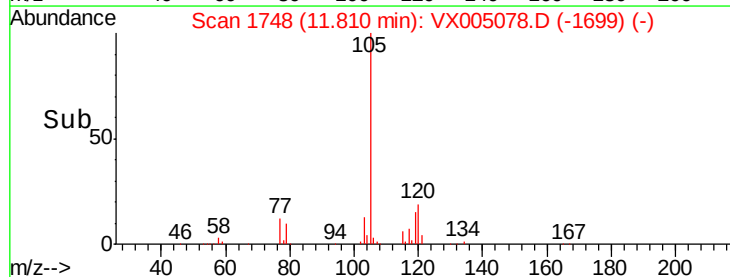
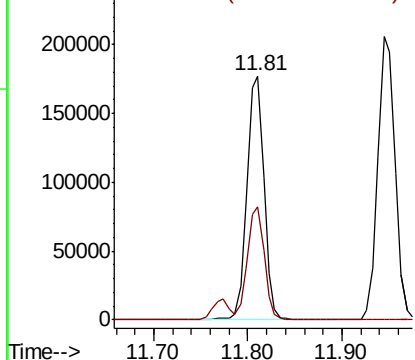


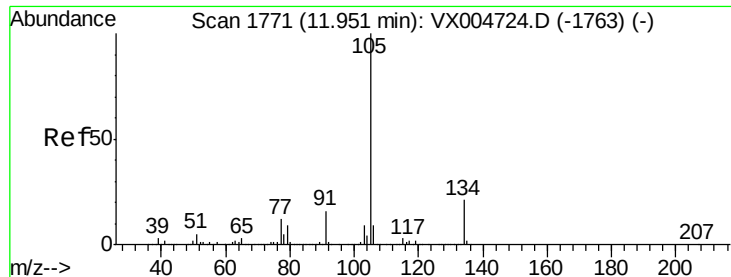
#84
 1,2,4-Trimethylbenzene
 Concen: 19.953 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion:105 Resp: 224482
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.102 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

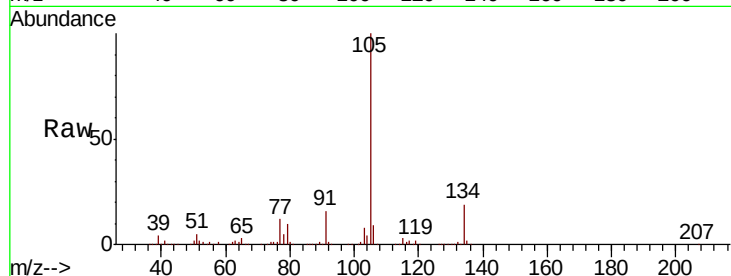
VX1005WBS01

Tot Ion:105 Resp: 262263

Ion Ratio Lower Upper

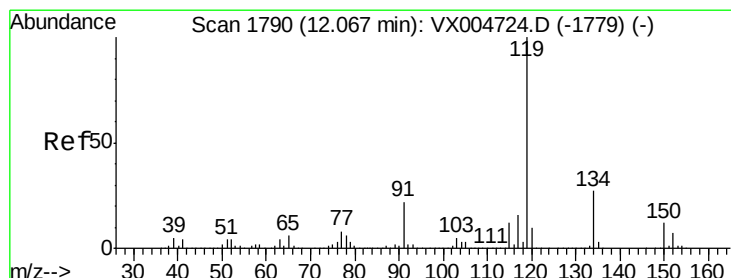
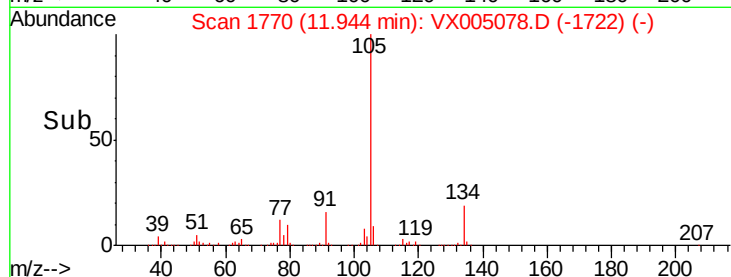
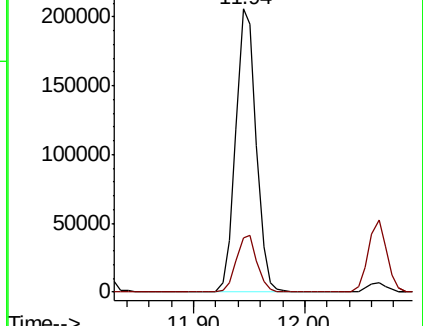
105 100

134 20.1 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.574 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

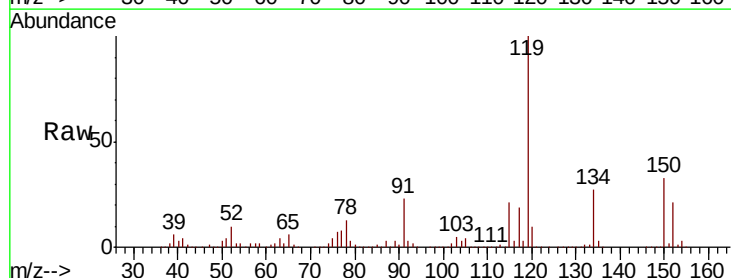
Tgt Ion:119 Resp: 231937

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

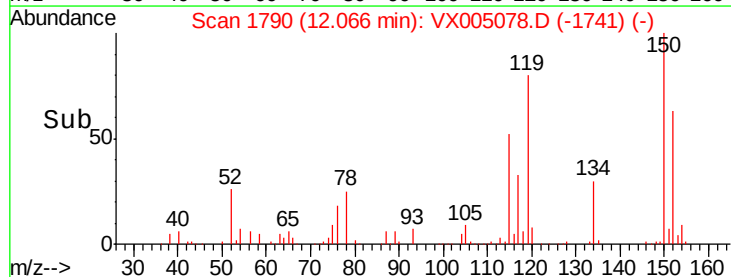
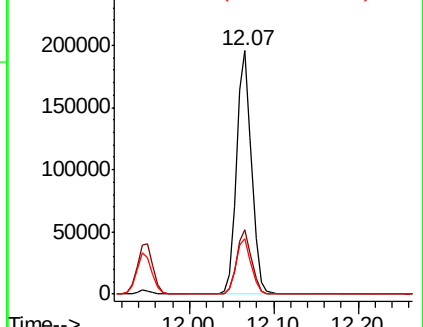
91 23.2 11.5 34.4

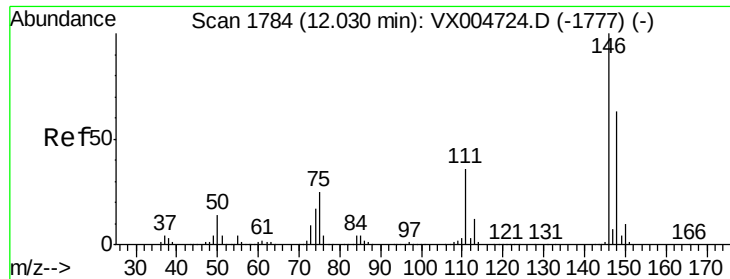


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

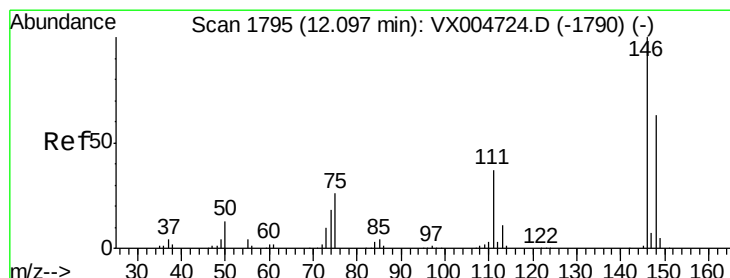
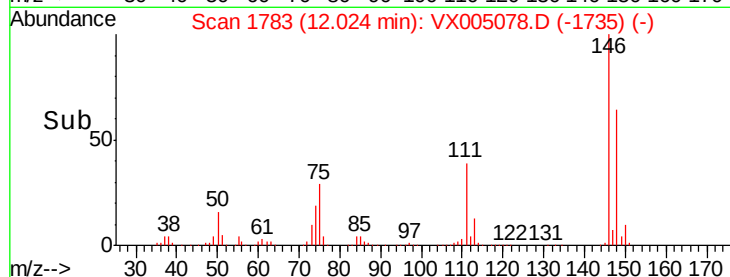
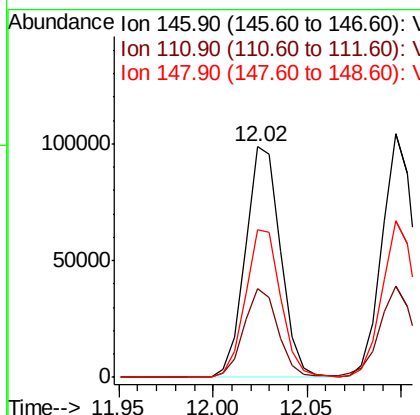
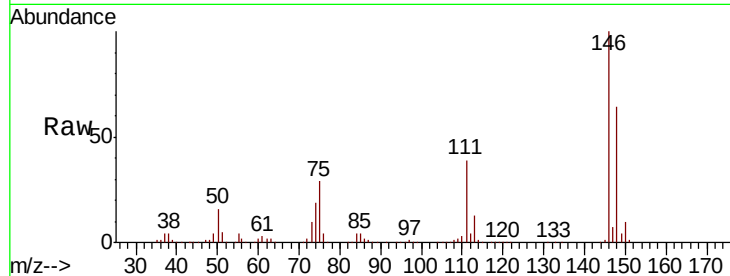




#87
 1,3-Dichlorobenzene
 Concen: 19.927 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

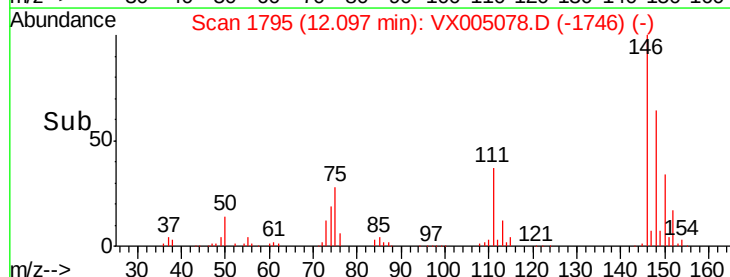
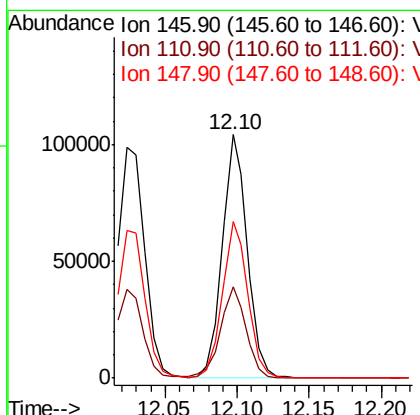
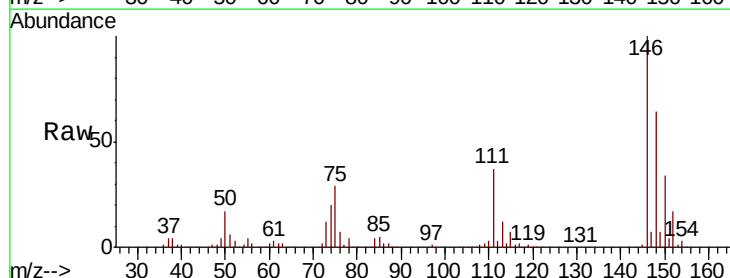
Instrument :
 MSVOA_X
 ClientSampled :
 VX1005WBS01

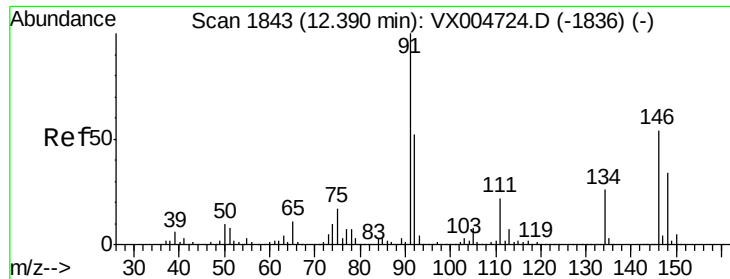
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	64.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.233 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.4	55.2
148	65.2	32.0	96.0

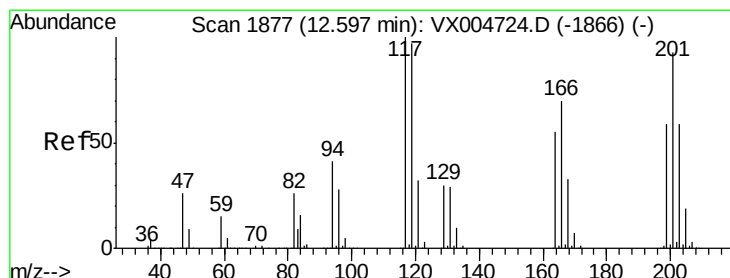
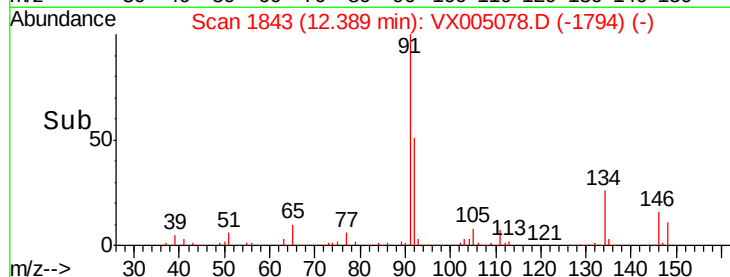
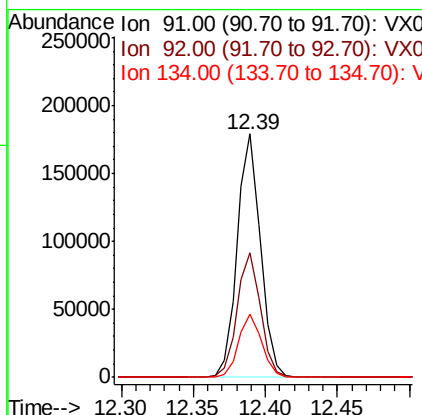
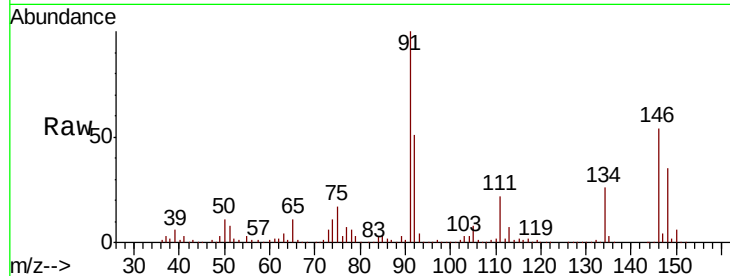




#89
n-Butylbenzene
Concen: 20.722 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

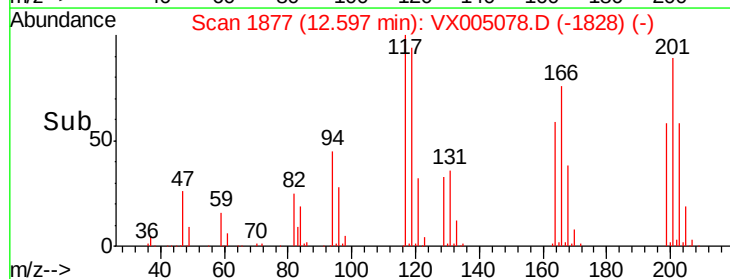
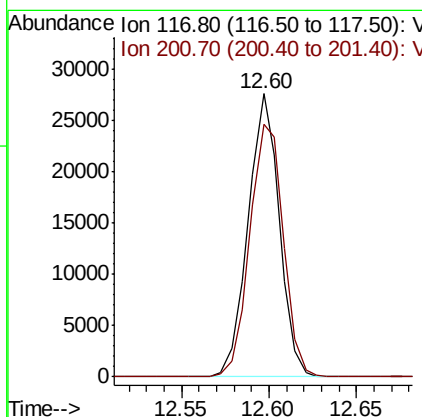
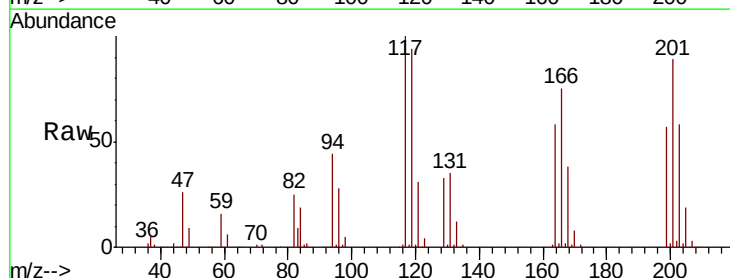
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

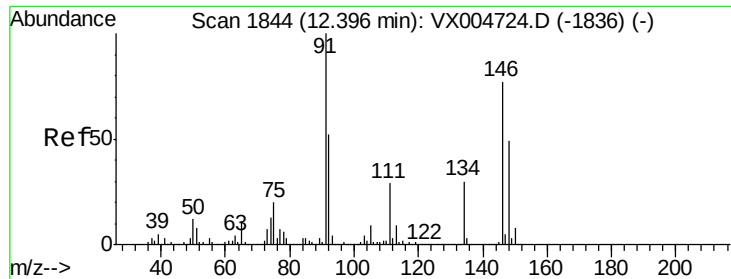
Tot Ion: 91 Resp: 202326
Ion Ratio Lower Upper
91 100
92 51.6 26.0 78.0
134 25.8 13.2 39.6



#90
Hexachloroethane
Concen: 19.180 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 117 Resp: 34332
Ion Ratio Lower Upper
117 100
201 96.0 48.4 145.0

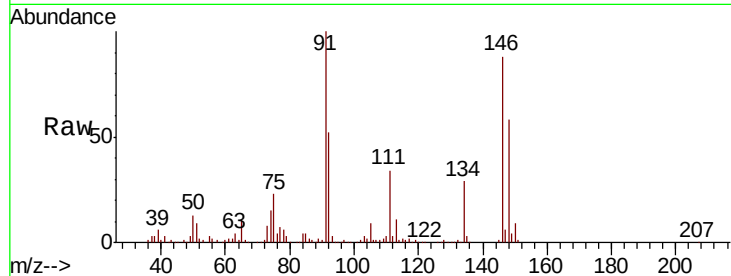




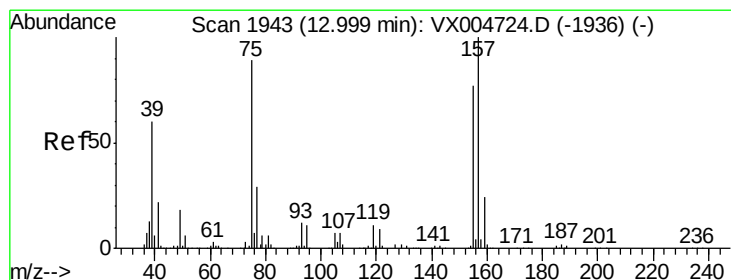
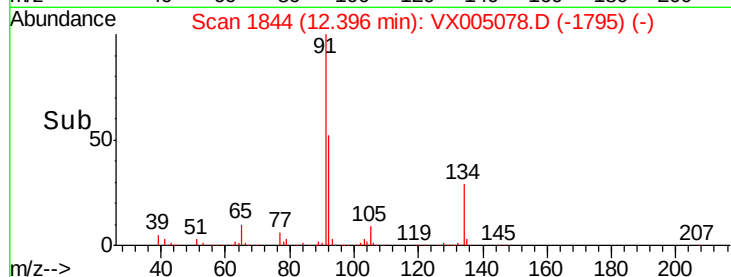
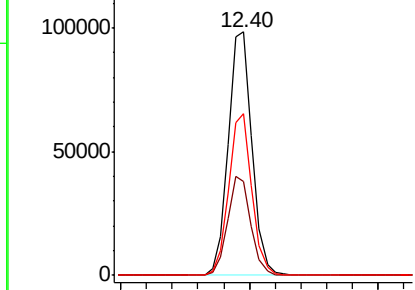
#91
 1,2-Dichlorobenzene
 Concen: 19.001 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion:146 Resp: 127432
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.6 58.7
 148 64.7 31.8 95.4

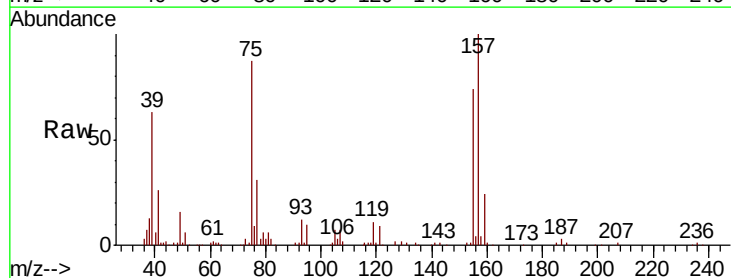


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

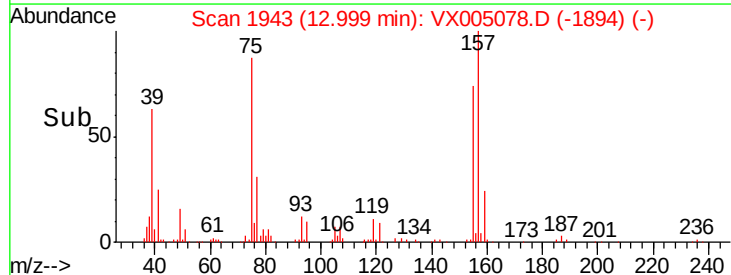
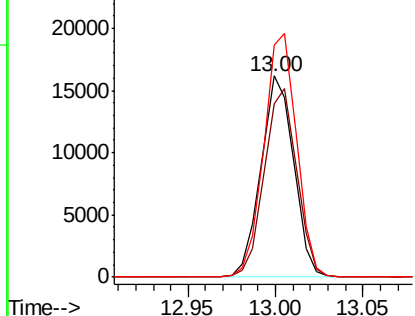


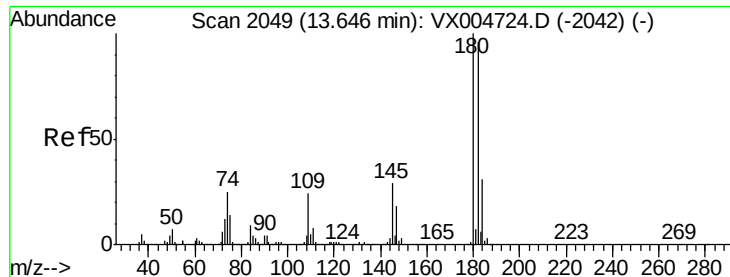
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.898 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion: 75 Resp: 21044
 Ion Ratio Lower Upper
 75 100
 155 93.5 46.1 138.3
 157 121.1 60.2 180.6



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

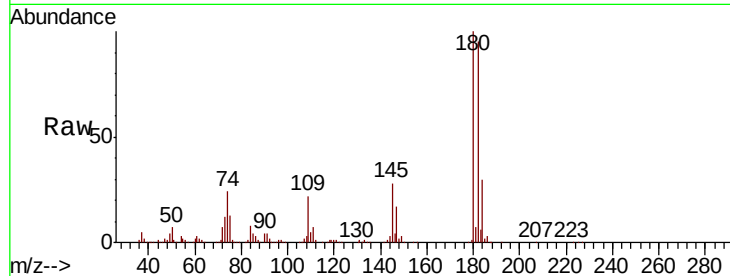




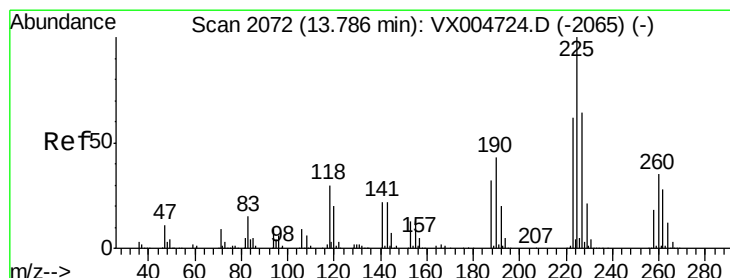
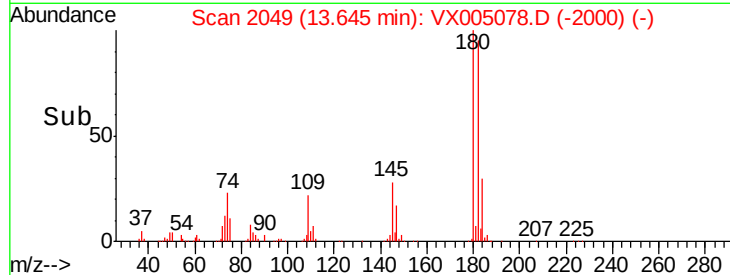
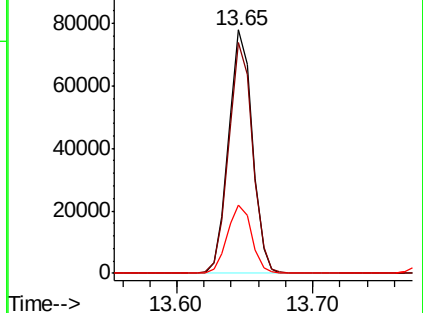
#93
 1,2,4-Trichlorobenzene
 Concen: 20.104 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampled :
 VX1005WBS01

Tot Ion:180 Resp: 94582
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.4
 145 28.7 14.1 42.4

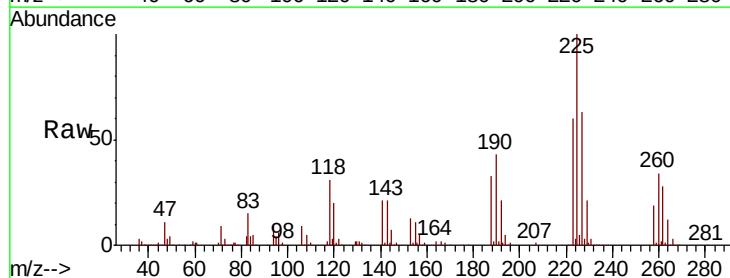


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

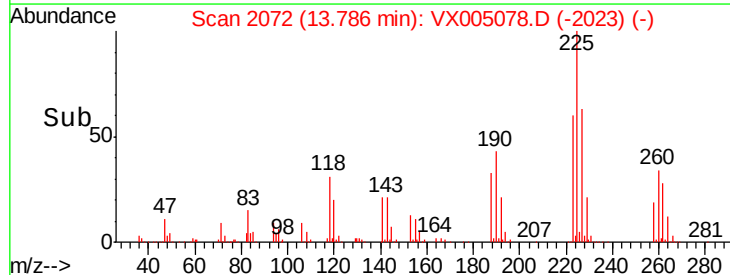
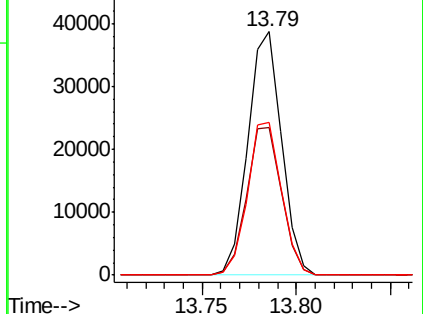


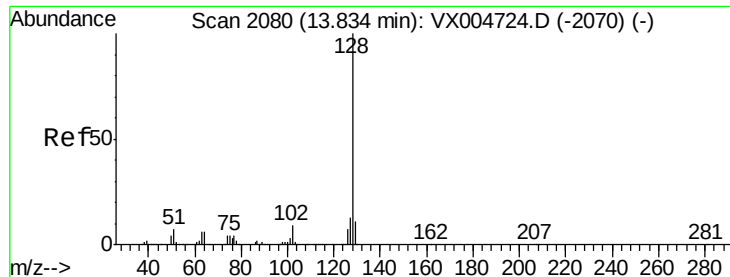
#94
 Hexachlorobutadiene
 Concen: 19.655 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion:225 Resp: 47949
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.8
 227 63.4 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.545 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

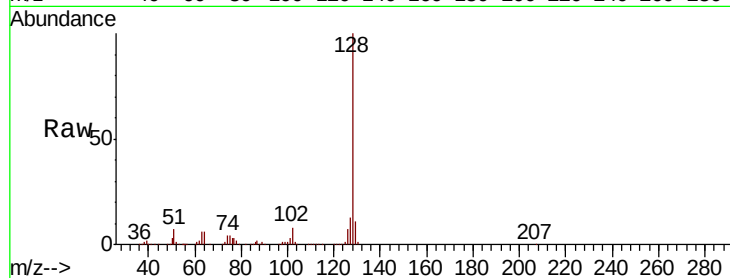
Tot Ion:128 Resp: 298255

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

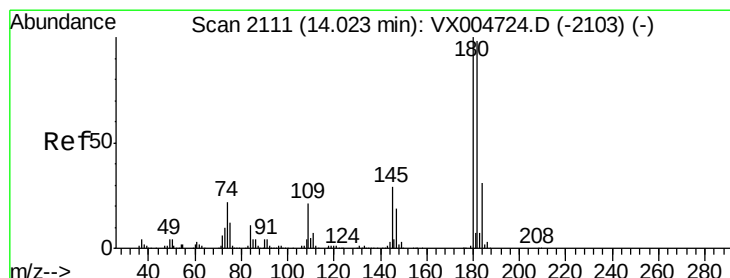
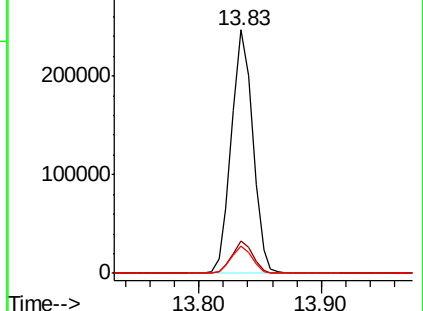
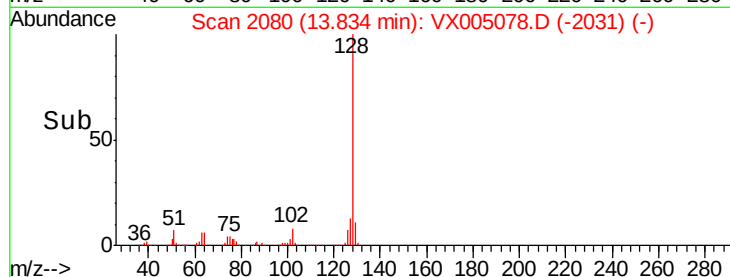
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.232 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

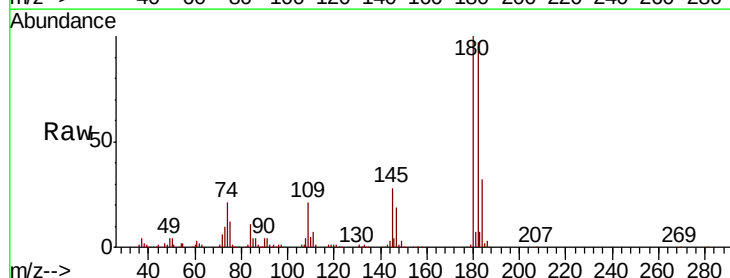
Tgt Ion:180 Resp: 98324

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.8

145 30.1 15.0 45.0



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

