

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112818\
 Data File : VW007104.D
 Acq On : 28 Nov 2018 10:53
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 28 16:25:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49836	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.88	113	46140	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.32	98	211836	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.62	95	81696	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	53460	51.29	ug/l	99
3) Chloromethane	2.21	50	43729	50.34	ug/l	99
4) Vinyl Chloride	2.36	62	45102	52.78	ug/l	99
5) Bromomethane	2.78	94	25706	56.36	ug/l	96
6) Chloroethane	2.92	64	25215	53.52	ug/l	100
7) Trichlorofluoromethane	3.26	101	89082	53.01	ug/l	97
8) Diethyl Ether	3.69	74	25563	47.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54985	50.47	ug/l	99
10) Methyl Iodide	4.27	142	65899	52.84	ug/l	98
11) Tert butyl alcohol	5.21	59	18183	270.26	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	48672	50.94	ug/l	99
13) Acrolein	3.90	56	17130	247.93	ug/l	98
14) Allyl chloride	4.67	41	79634	50.25	ug/l	98
15) Acrylonitrile	5.37	53	52103	256.01	ug/l	100
16) Acetone	4.15	43	38336	255.49	ug/l	99
17) Carbon Disulfide	4.38	76	160709	52.02	ug/l	98
18) Methyl Acetate	4.68	43	25426	47.58	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	125544	50.32	ug/l	96
20) Methylene Chloride	4.92	84	59314	49.55	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	55978	50.29	ug/l	98
22) Diisopropyl ether	6.32	45	152518	49.44	ug/l	98
23) Vinyl Acetate	6.26	43	429739	262.34	ug/l	99
24) 1,1-Dichloroethane	6.22	63	92718	49.41	ug/l	99
25) 2-Butanone	7.18	43	64189	249.77	ug/l	98
26) 2,2-Dichloropropane	7.17	77	91815	54.41	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59377	50.09	ug/l	100
28) Bromochloromethane	7.51	49	35286	50.31	ug/l	98
29) Tetrahydrofuran	7.53	42	38888	233.64	ug/l	97
30) Chloroform	7.68	83	96565	48.44	ug/l	97
31) Cyclohexane	7.95	56	98108	49.29	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	94921	52.86	ug/l	100
36) 1,1-Dichloropropene	8.09	75	83603	53.72	ug/l	99
37) Ethyl Acetate	7.26	43	29124	51.64	ug/l	98
38) Carbon Tetrachloride	8.07	117	84646	56.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107977	55.44	ug/l	98
40) Benzene	8.32	78	224498	53.44	ug/l	100
41) Methacrylonitrile	7.49	41	17871	51.02	ug/l	98
42) 1,2-Dichloroethane	8.40	62	61167	50.15	ug/l	100
43) Isopropyl Acetate	8.43	43	56269	52.35	ug/l	100
44) Trichloroethene	9.09	130	63714	54.10	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53513	51.67	ug/l	98
46) Dibromomethane	9.46	93	26273	50.66	ug/l	99
47) Bromodichloromethane	9.65	83	71504	52.33	ug/l	98
48) Methyl methacrylate	9.43	41	30244	58.36	ug/l	96
49) 1,4-Dioxane	9.47	88	9277	1203.47	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	139676	257.16	ug/l	98
52) Toluene	10.39	92	157982	55.25	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73393	55.45	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	87299	54.59	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	39661	51.98	ug/l	97
56) Ethyl methacrylate	10.65	69	50432	56.94	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66600	52.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	110557	238.87	ug/l	99
59) 2-Hexanone	10.97	43	106834	287.23	ug/l	100
60) Dibromochloromethane	11.13	129	47806	54.98	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37506	53.73	ug/l	99
64) Tetrachloroethene	10.86	164	54983	57.43	ug/l	98
65) Chlorobenzene	11.66	112	173590	55.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	53568	57.01	ug/l	99
67) Ethyl Benzene	11.73	91	322552	56.53	ug/l	99
68) m/p-Xylenes	11.84	106	253751	113.36	ug/l	99
69) o-Xylene	12.17	106	118482	56.13	ug/l	99
70) Styrene	12.18	104	191518	57.01	ug/l	100
71) Bromoform	12.35	173	25608	57.86	ug/l #	100
73) Isopropylbenzene	12.47	105	330607	55.63	ug/l	100
74) N-amyl acetate	12.27	43	57292	57.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	41163	52.04	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	58439	97.25	ug/l #	100
77) Bromobenzene	12.75	156	69584	54.51	ug/l	96
78) n-propylbenzene	12.81	91	397432	55.21	ug/l	99
79) 2-Chlorotoluene	12.90	91	222508	53.61	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	284922	55.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13317	55.64	ug/l	99
82) 4-Chlorotoluene	12.99	91	236887	54.38	ug/l	99
83) tert-Butylbenzene	13.21	119	249054	55.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	283443	55.36	ug/l	99
85) sec-Butylbenzene	13.39	105	350623	55.78	ug/l	99
86) p-Isopropyltoluene	13.51	119	312838	56.41	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	143011	54.88	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	140544	54.09	ug/l	99
89) n-Butylbenzene	13.83	91	295966	56.71	ug/l	100
90) Hexachloroethane	14.10	117	47235	58.34	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	126160	55.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7662	57.36	ug/l	95

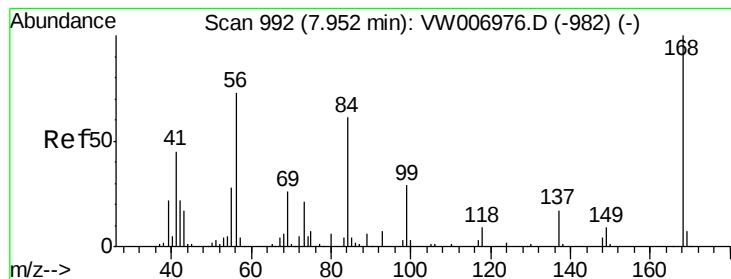
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82477	54.78	ug/l	100
94) Hexachlorobutadiene	15.24	225	47451	57.97	ug/l	99
95) Naphthalene	15.38	128	149296	54.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68002	54.44	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

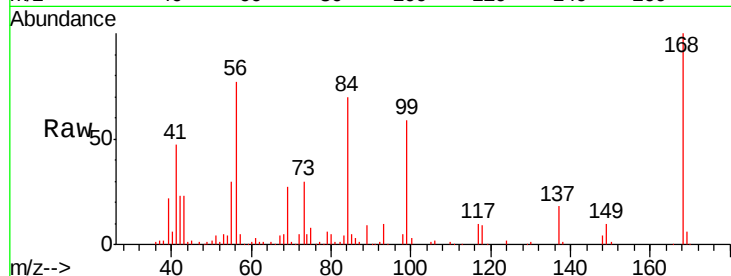
VSTDCCC050

Tgt Ion:168 Resp: 105564

Ion Ratio Lower Upper

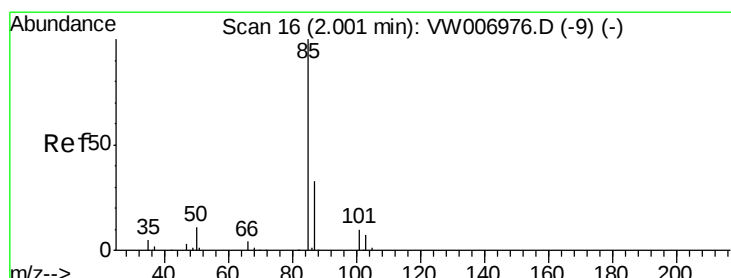
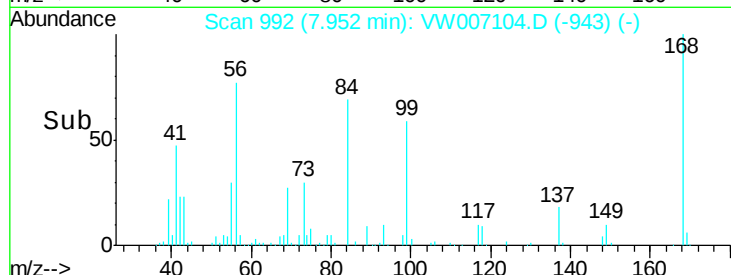
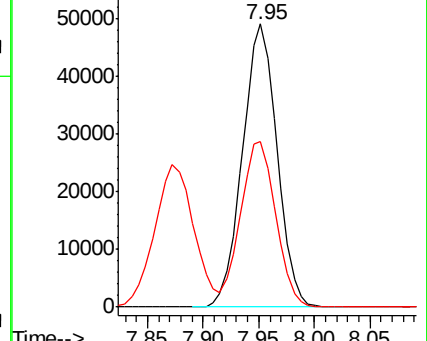
168 100

99 58.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.29 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007104.D

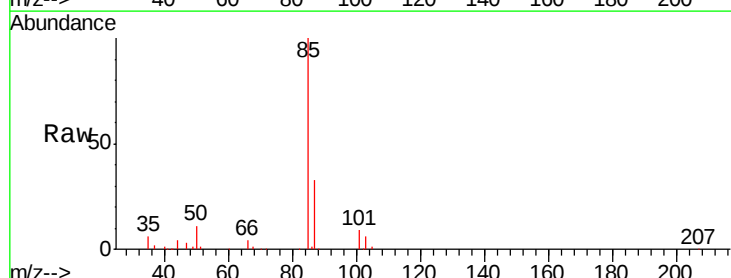
Acq: 28 Nov 2018 10:53

Tgt Ion: 85 Resp: 53460

Ion Ratio Lower Upper

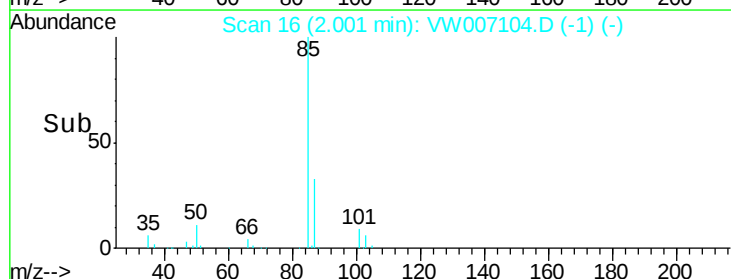
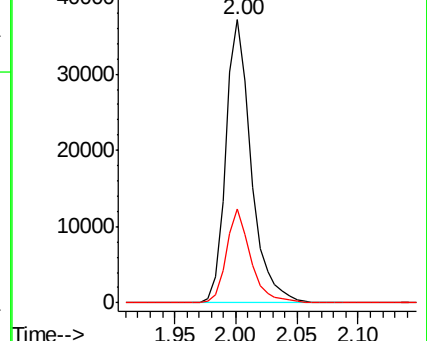
85 100

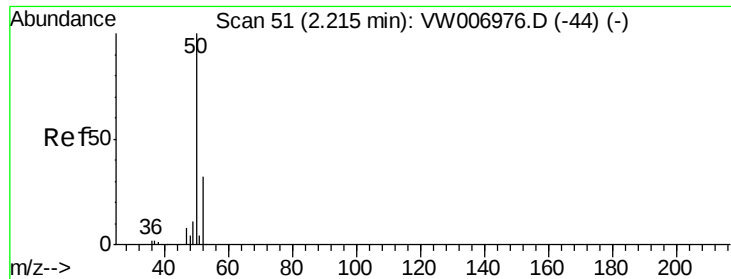
87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.34 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

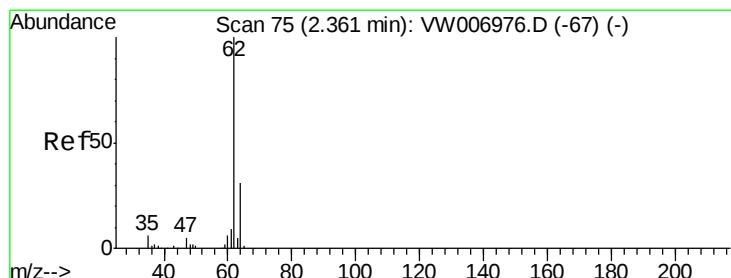
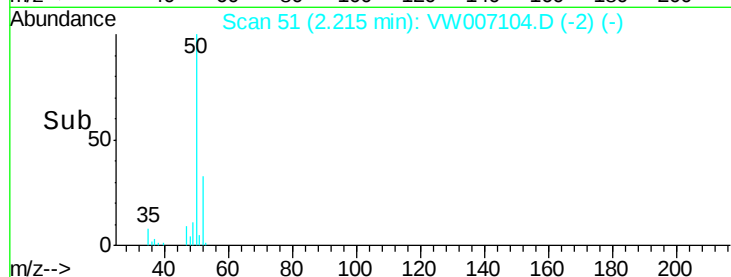
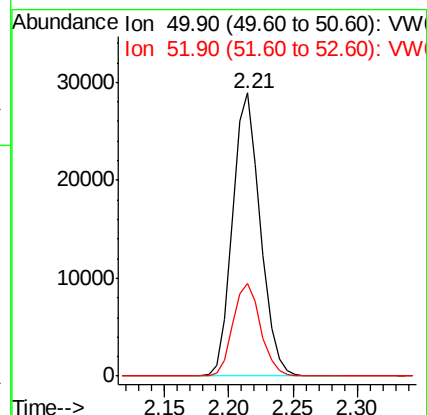
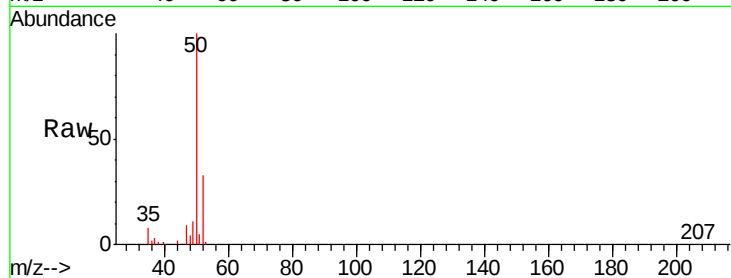
VSTDCCC050

Tgt Ion: 50 Resp: 43729

Ion Ratio Lower Upper

50 100

52 32.9 25.7 38.5



#4

Vinyl Chloride

Concen: 52.78 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007104.D

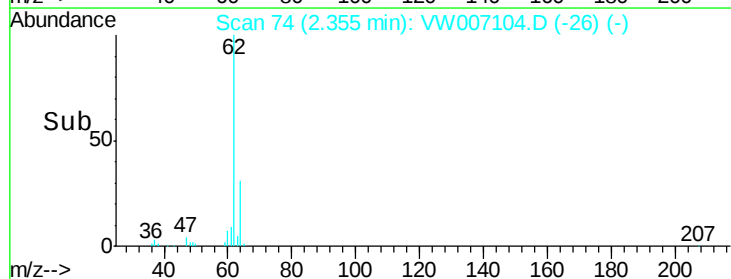
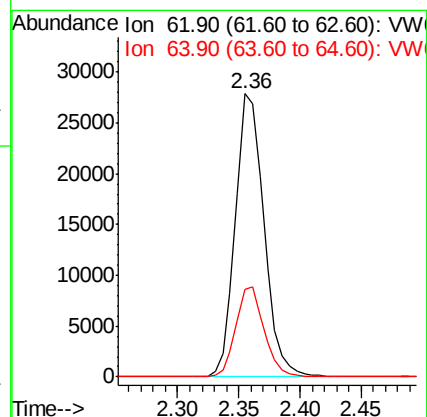
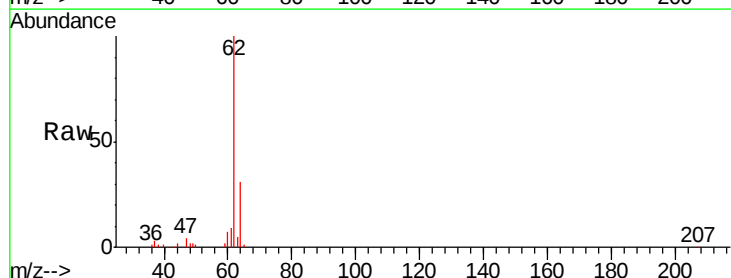
Acq: 28 Nov 2018 10:53

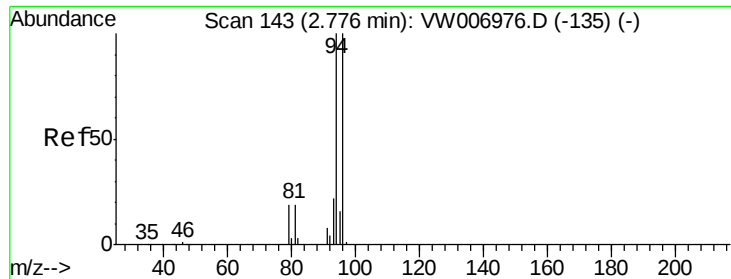
Tgt Ion: 62 Resp: 45102

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 56.36 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

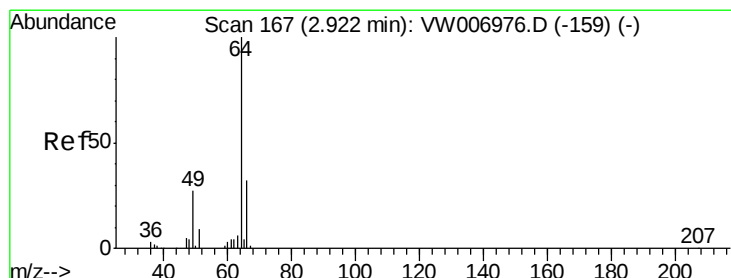
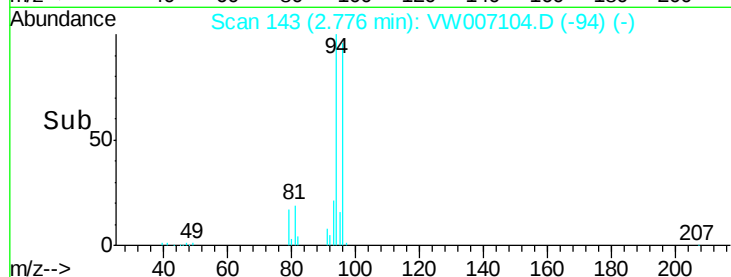
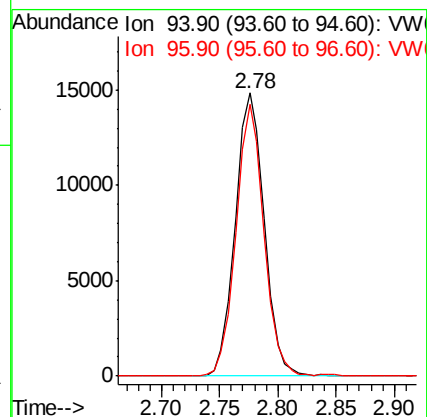
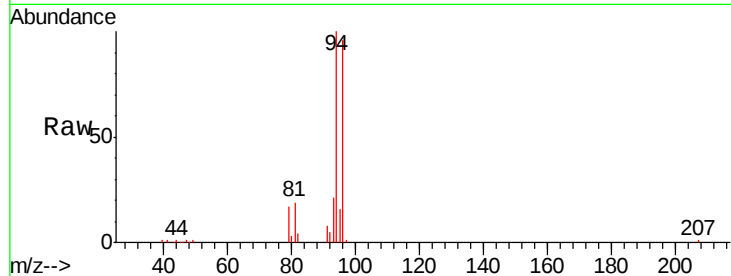
VSTDCCC050

Tgt Ion: 94 Resp: 25706

Ion Ratio Lower Upper

94 100

96 96.1 80.2 120.2



#6

Chloroethane

Concen: 53.52 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW007104.D

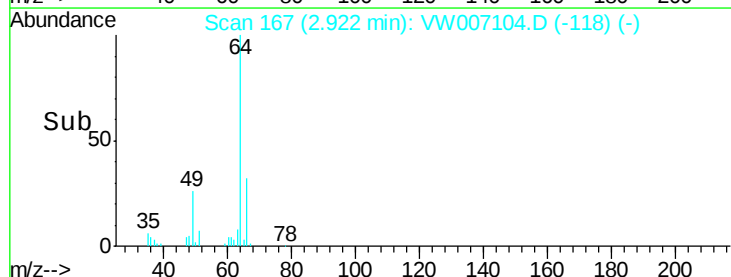
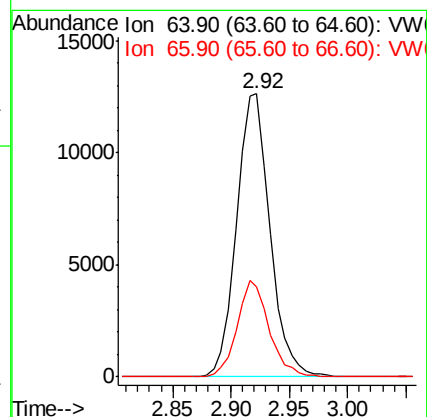
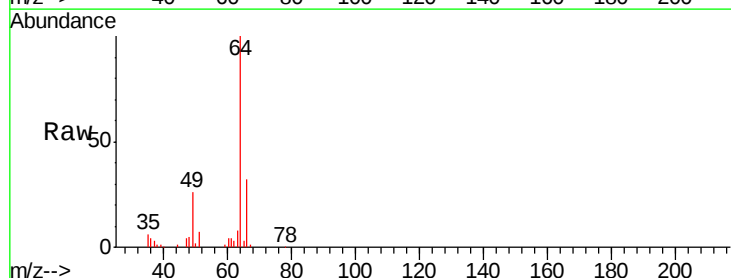
Acq: 28 Nov 2018 10:53

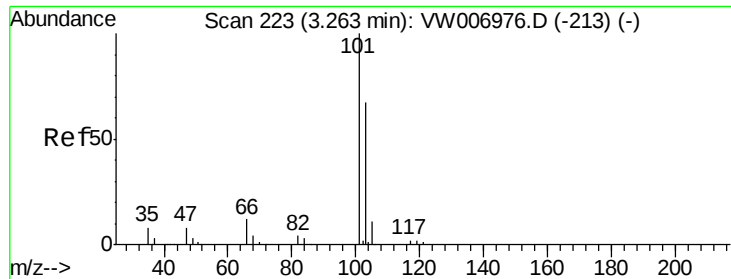
Tgt Ion: 64 Resp: 25215

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

Trichlorofluoromethane

Concen: 53.01 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

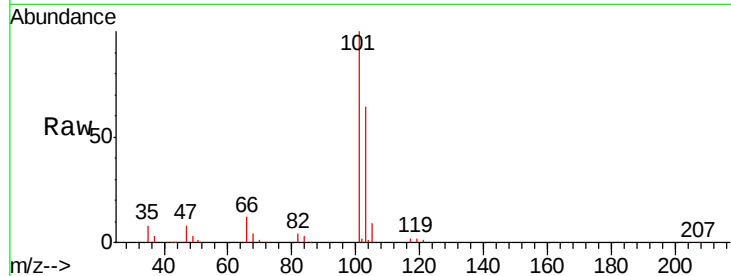
VSTDCCC050

Tgt Ion:101 Resp: 89082

Ion Ratio Lower Upper

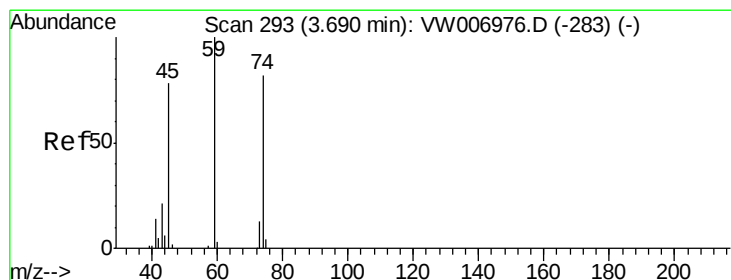
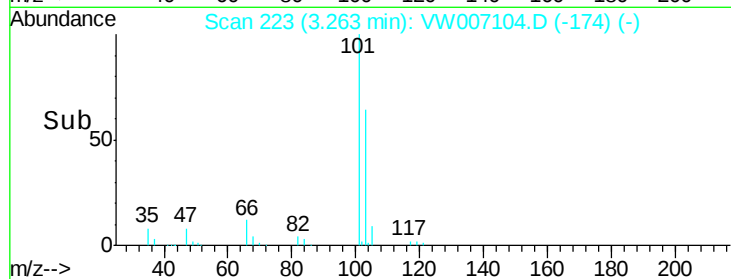
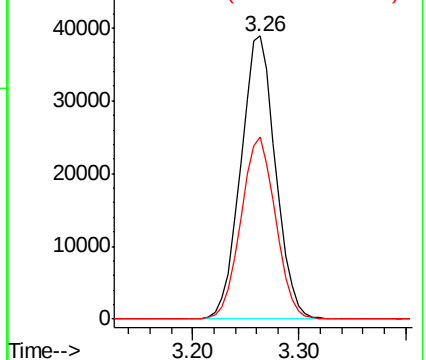
101 100

103 64.3 53.4 80.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.21 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW007104.D

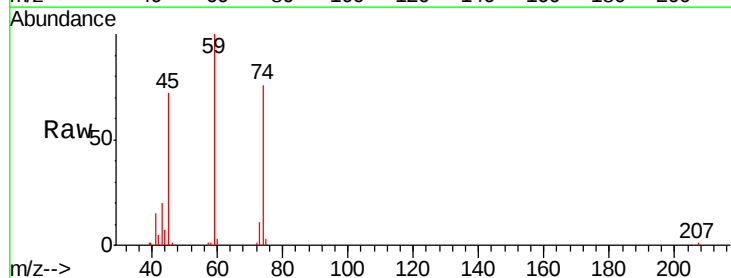
Acq: 28 Nov 2018 10:53

Tgt Ion: 74 Resp: 25563

Ion Ratio Lower Upper

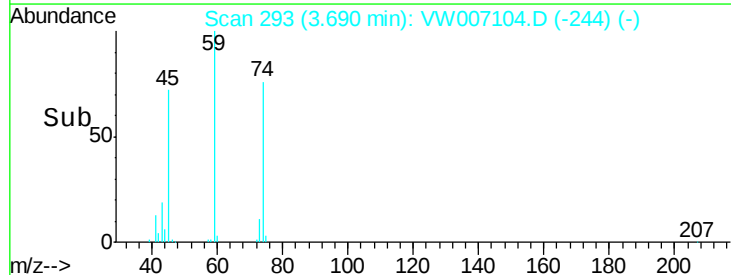
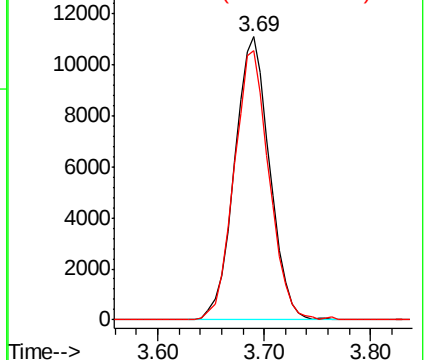
74 100

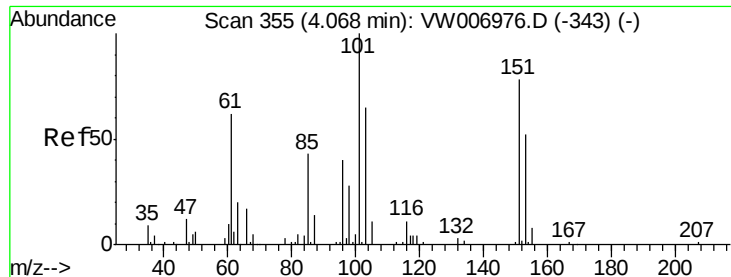
45 94.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

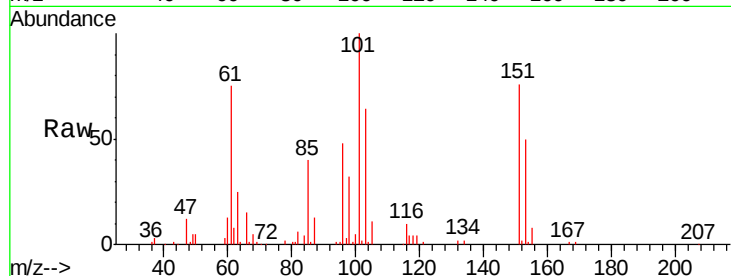




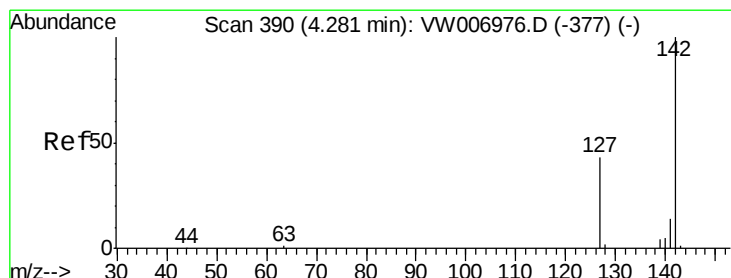
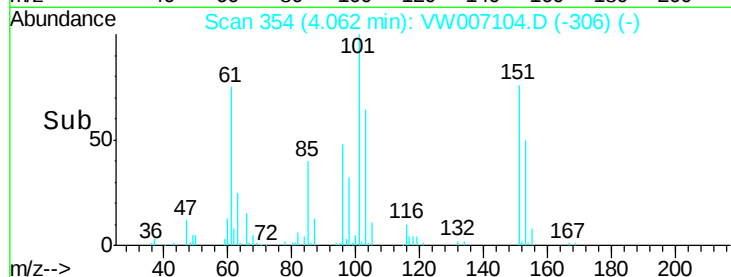
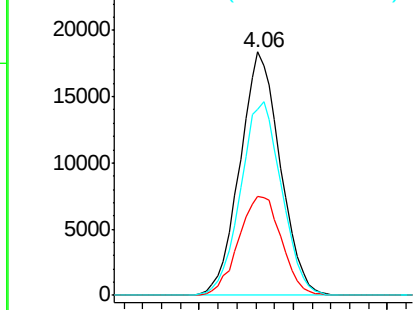
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.47 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VW007104.D
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 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 54985
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.3 51.5
 151 81.1 63.4 95.2

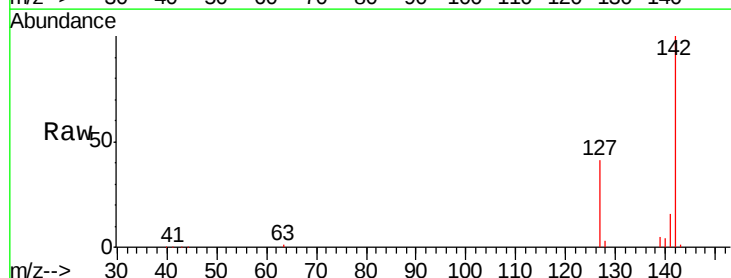


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

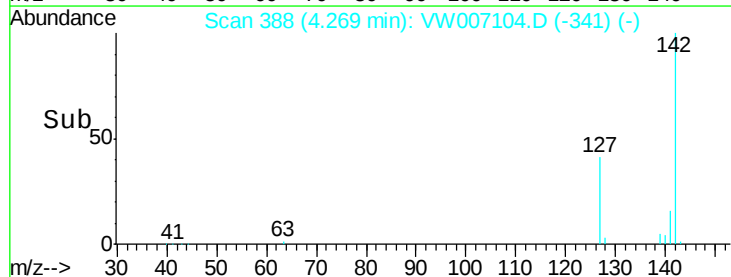
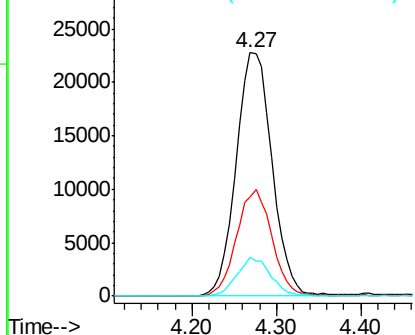


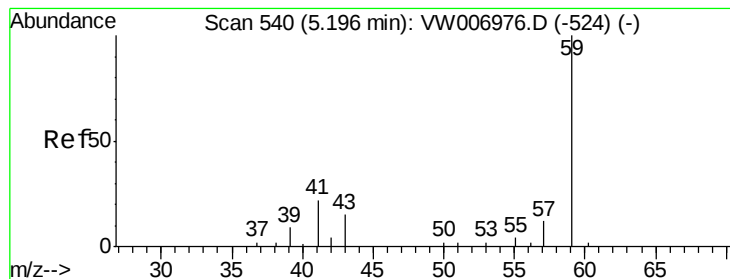
#10
 Methyl Iodide
 Concen: 52.84 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion:142 Resp: 65899
 Ion Ratio Lower Upper
 142 100
 127 42.7 35.3 52.9
 141 14.8 11.7 17.5



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



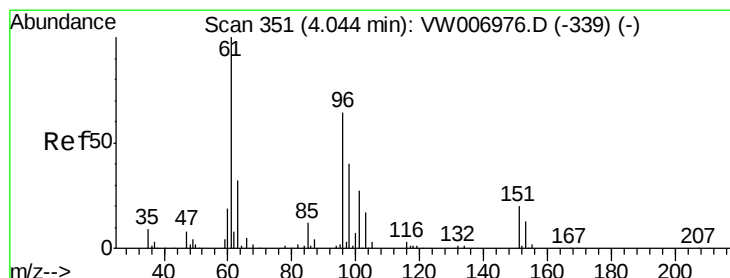
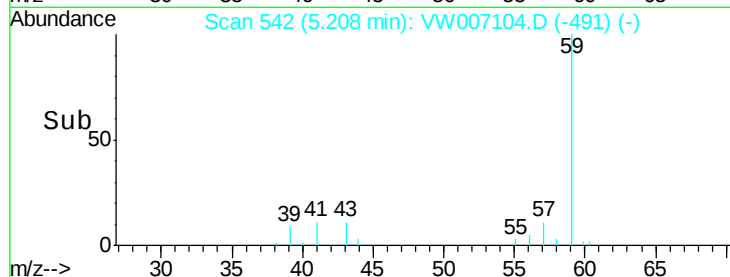
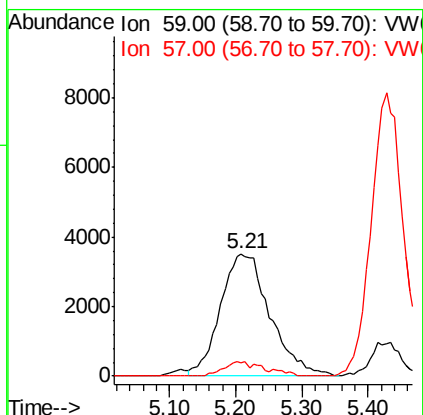
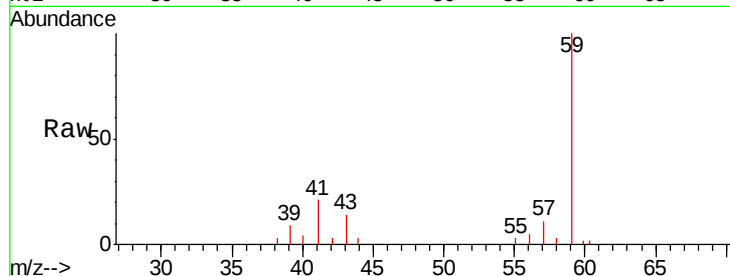


#11

Tert butyl alcohol
 Concen: 270.26 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

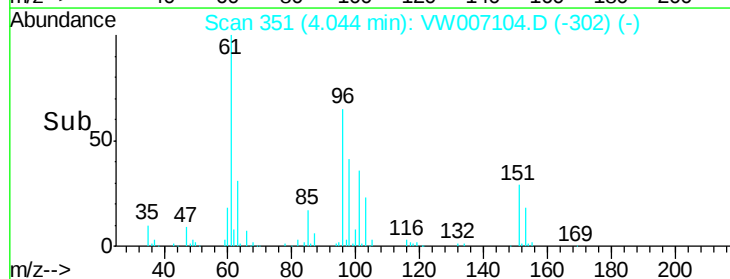
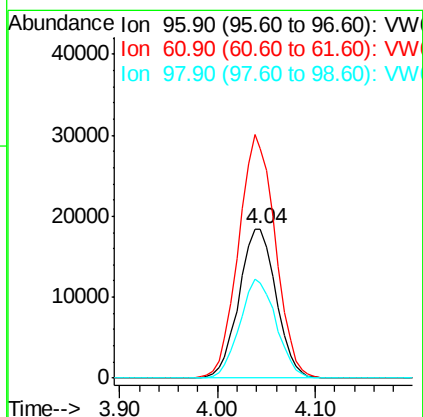
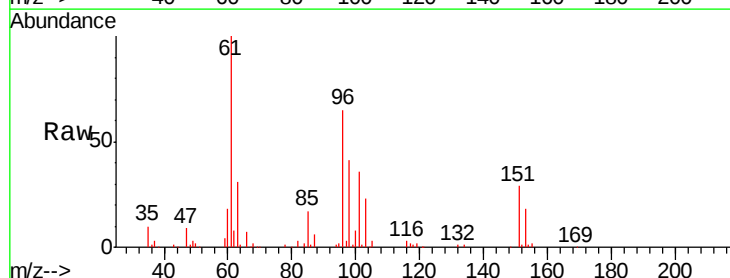
Tgt Ion: 59 Resp: 18183
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.6 13.0#

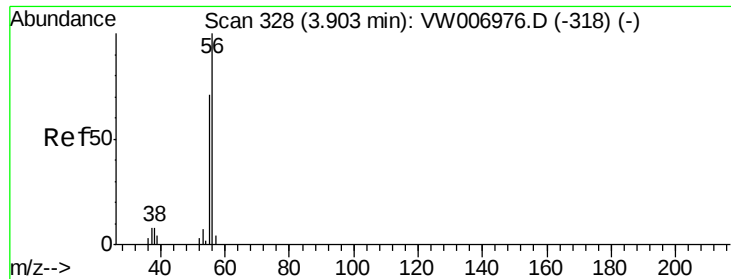


#12

1,1-Dichloroethene
 Concen: 50.94 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion: 96 Resp: 48672
 Ion Ratio Lower Upper
 96 100
 61 153.9 124.3 186.5
 98 63.3 49.4 74.2





#13

Acrolein

Concen: 247.93 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

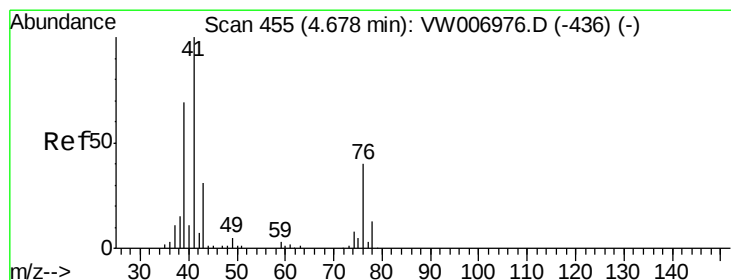
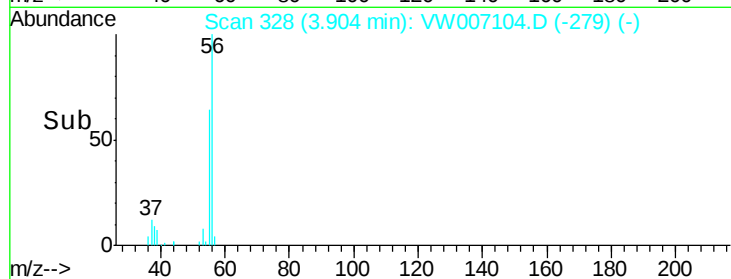
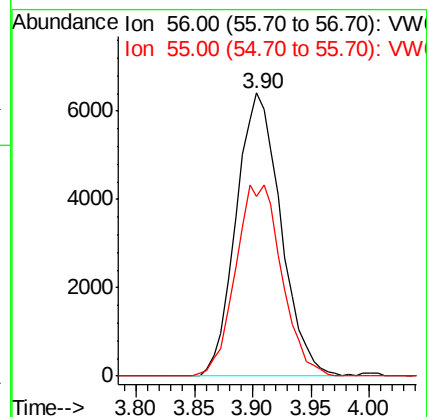
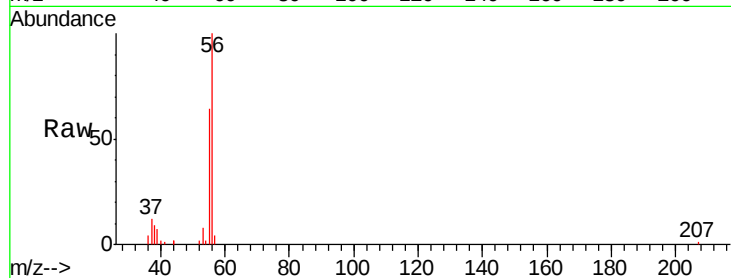
VSTDCCC050

Tgt Ion: 56 Resp: 17130

Ion Ratio Lower Upper

56 100

55 69.8 57.5 86.3



#14

Allyl chloride

Concen: 50.25 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

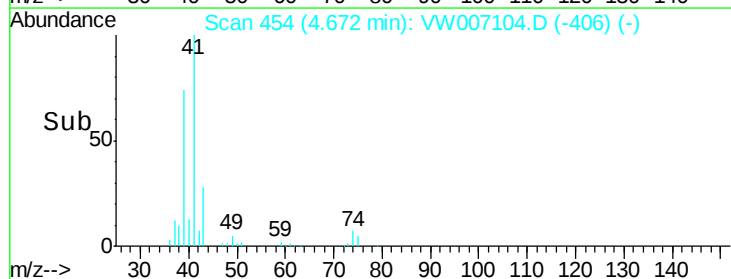
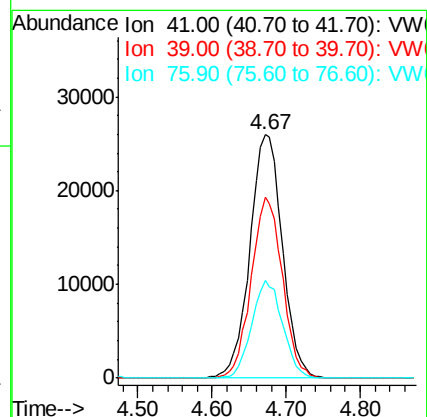
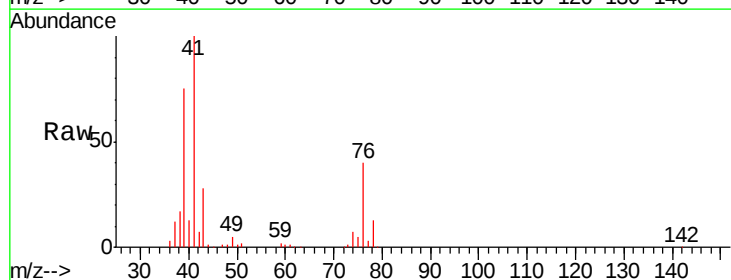
Tgt Ion: 41 Resp: 79634

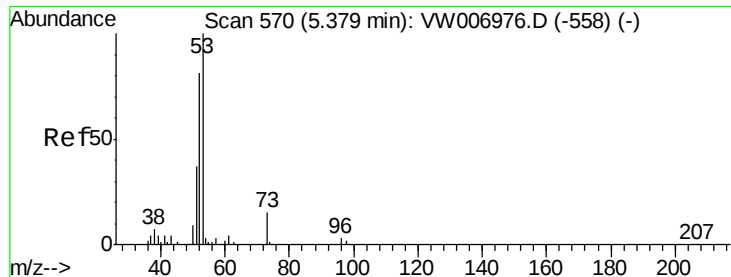
Ion Ratio Lower Upper

41 100

39 71.4 55.4 83.2

76 38.0 29.6 44.4





#15

Acrylonitrile

Concen: 256.01 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

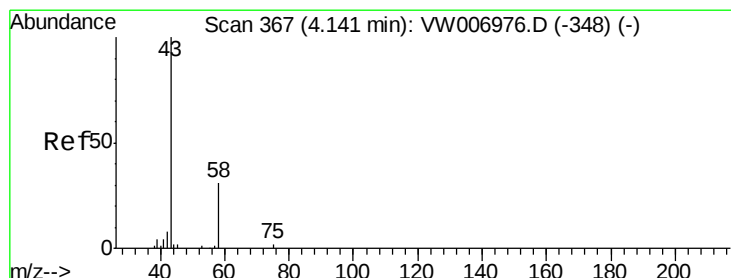
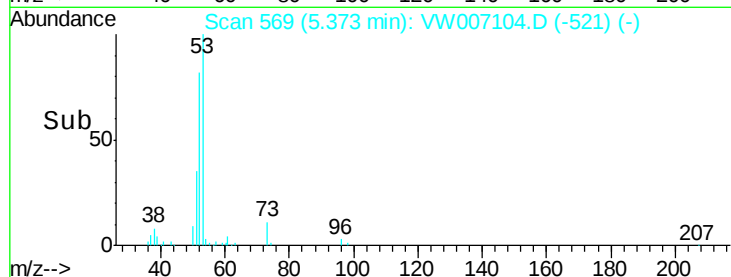
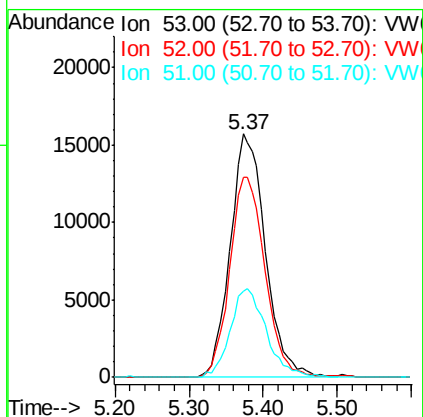
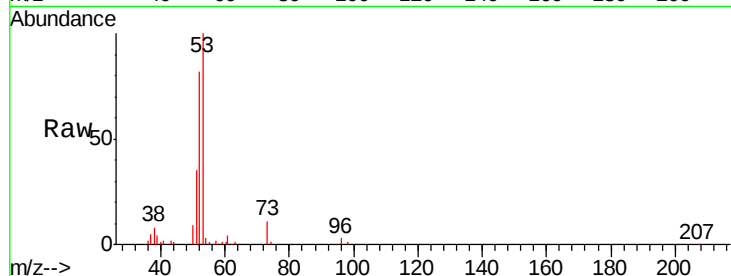
Tgt Ion: 53 Resp: 52103

Ion Ratio Lower Upper

53 100

52 82.3 65.7 98.5

51 37.2 29.9 44.9



#16

Acetone

Concen: 255.49 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007104.D

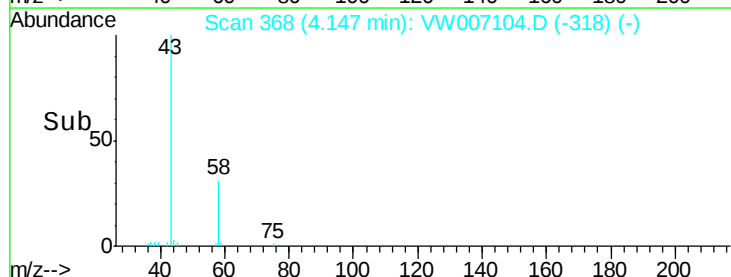
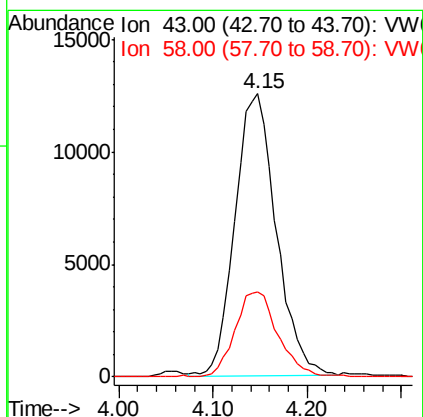
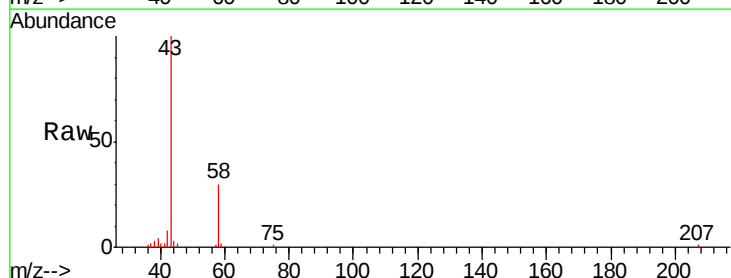
Acq: 28 Nov 2018 10:53

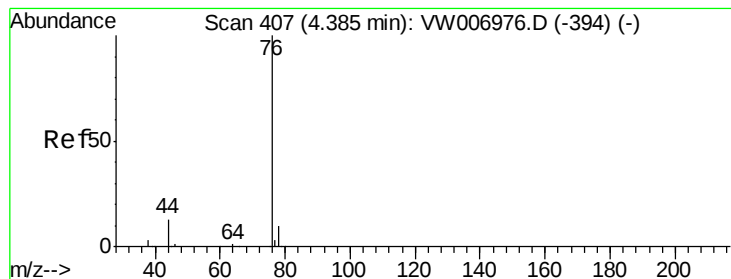
Tgt Ion: 43 Resp: 38336

Ion Ratio Lower Upper

43 100

58 30.4 24.8 37.2





#17

Carbon Disulfide

Concen: 52.02 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

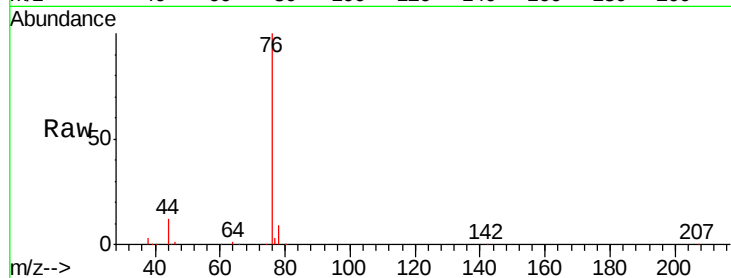
VSTDCCC050

Tgt Ion: 76 Resp: 160709

Ion Ratio Lower Upper

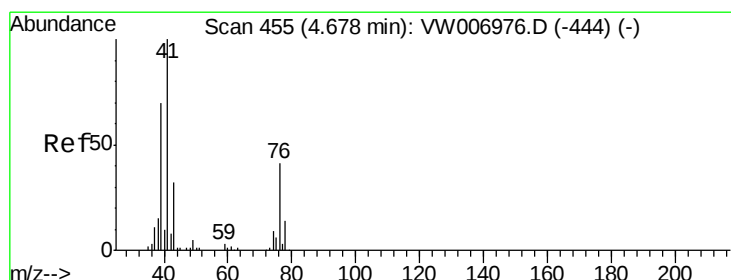
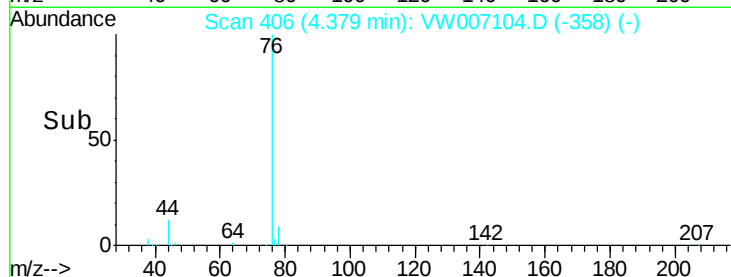
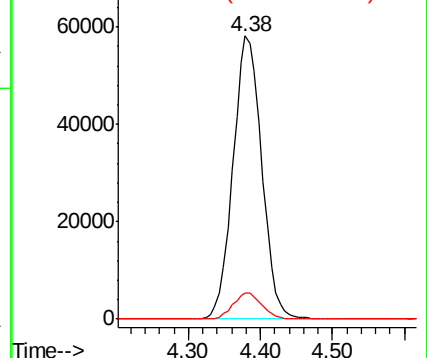
76 100

78 9.1 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 47.58 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW007104.D

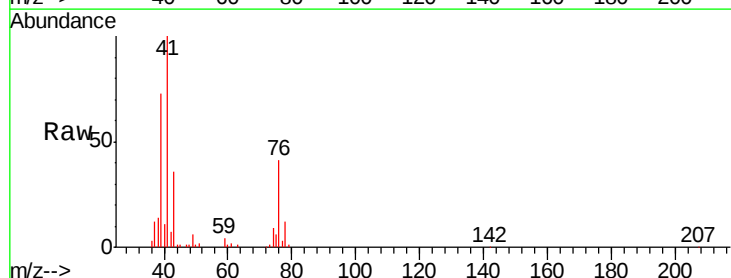
Acq: 28 Nov 2018 10:53

Tgt Ion: 43 Resp: 25426

Ion Ratio Lower Upper

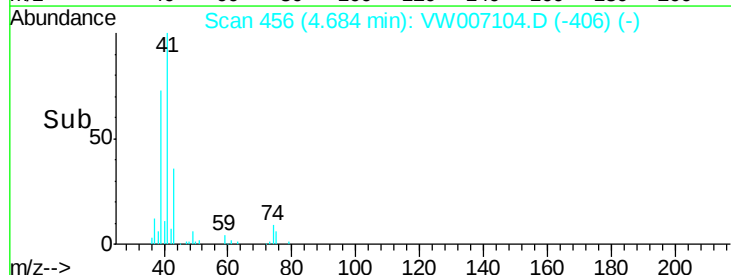
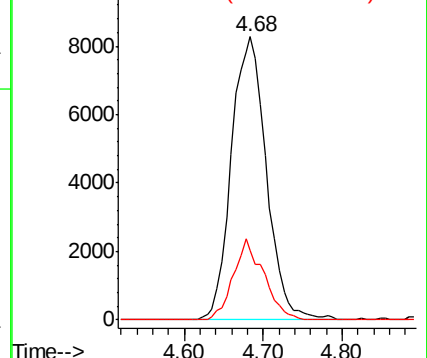
43 100

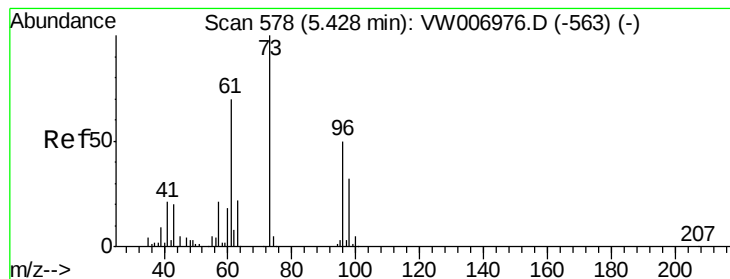
74 25.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 50.32 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

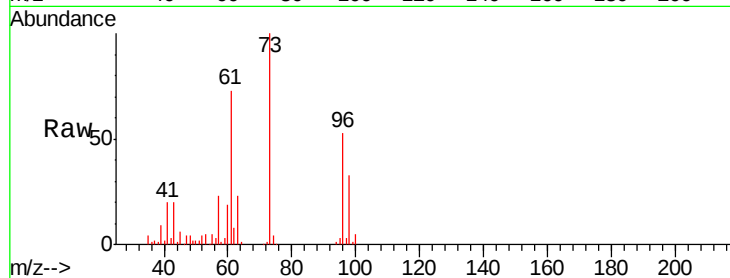
VSTDCCC050

Tgt Ion: 73 Resp: 125544

Ion Ratio Lower Upper

73 100

57 22.7 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.43

40000

30000

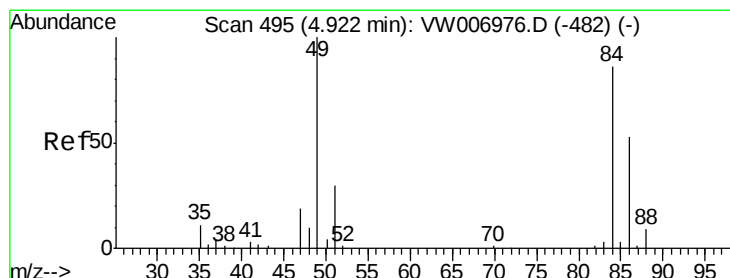
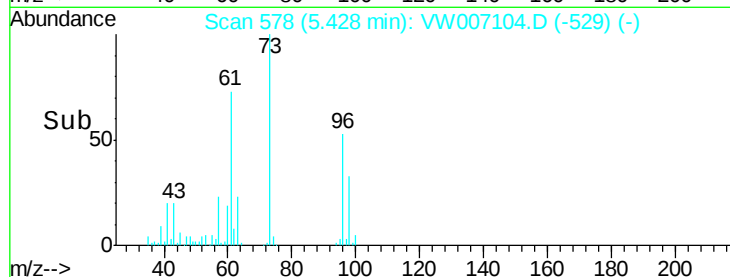
20000

10000

0

5.30 5.40 5.50 5.60

Time-->



#20

Methylene Chloride

Concen: 49.55 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion: 84 Resp: 59314

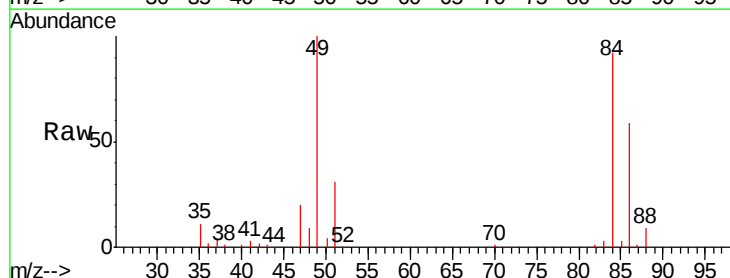
Ion Ratio Lower Upper

84 100

49 109.2 93.4 140.0

51 33.9 28.4 42.6

86 64.5 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

30000

25000

20000

15000

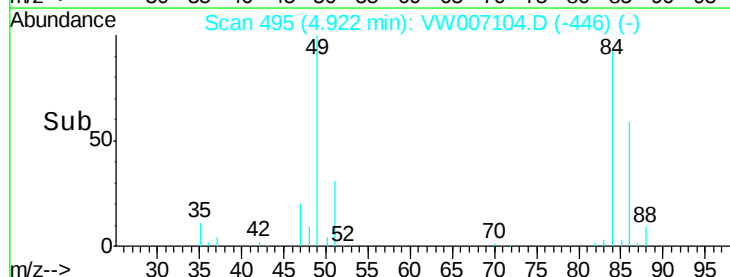
10000

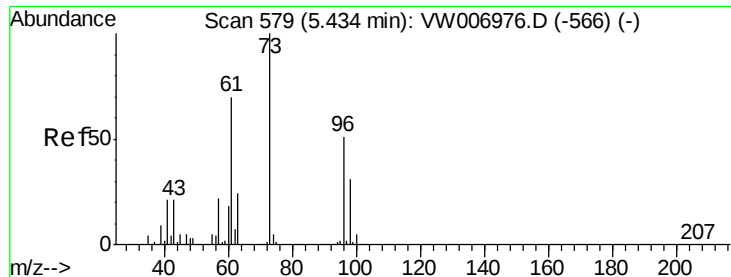
5000

0

4.80 4.90 5.00 5.10

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.29 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

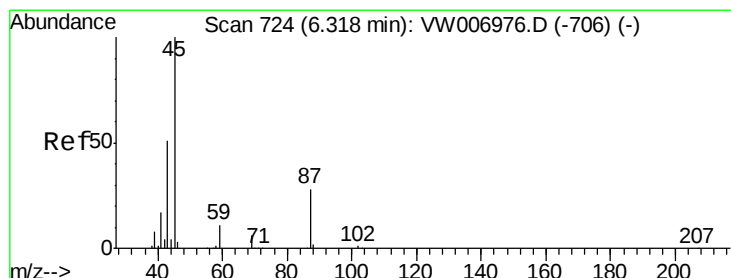
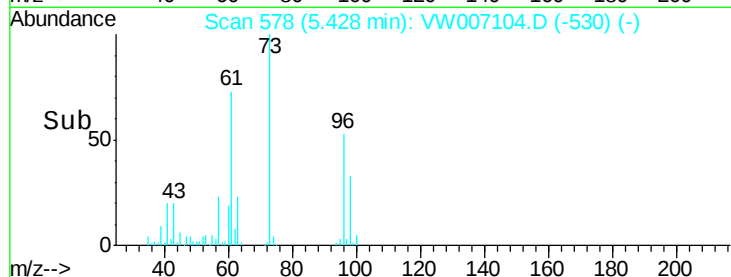
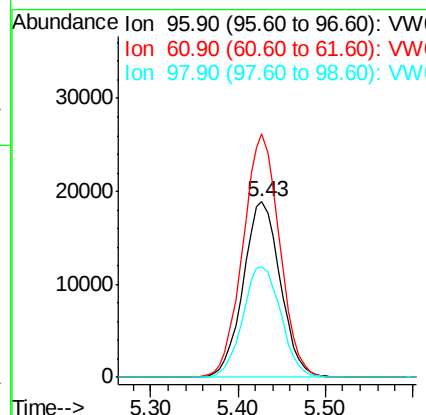
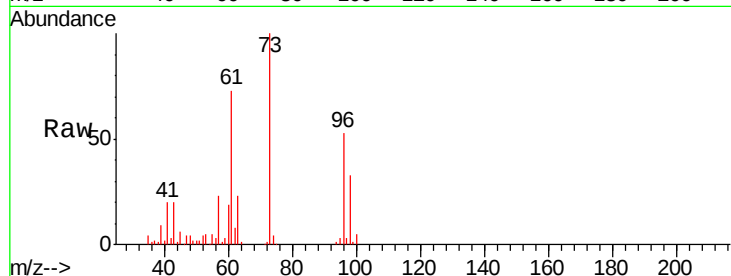
Tgt Ion: 96 Resp: 55978

Ion Ratio Lower Upper

96 100

61 138.9 109.4 164.0

98 63.2 48.3 72.5



#22

Diisopropyl ether

Concen: 49.44 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion: 45 Resp: 152518

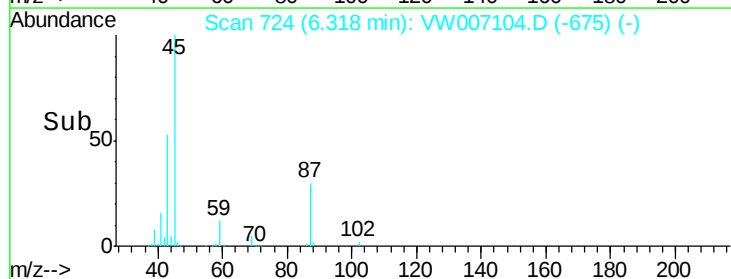
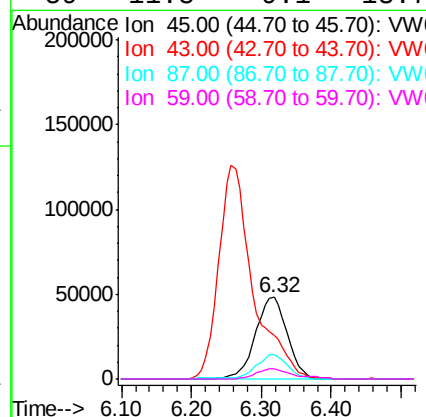
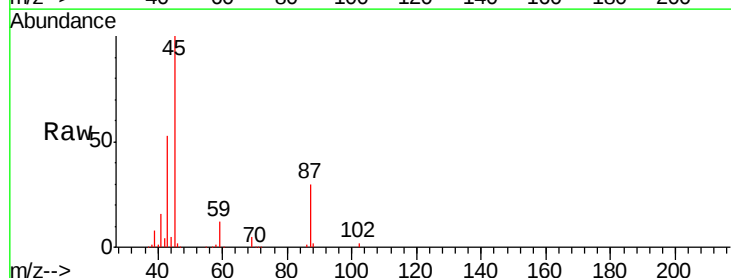
Ion Ratio Lower Upper

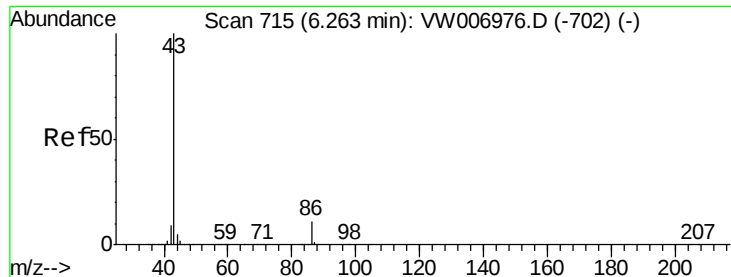
45 100

43 52.2 42.5 63.7

87 30.0 22.8 34.2

59 11.8 9.1 13.7





#23

Vinyl Acetate

Concen: 262.34 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

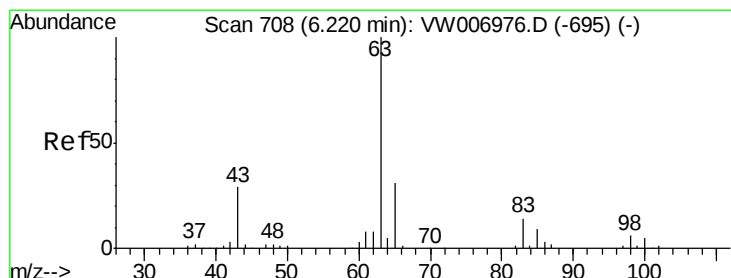
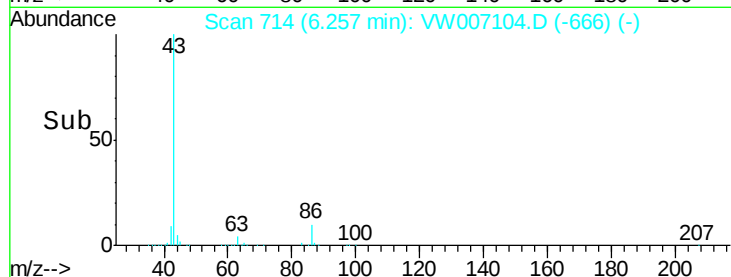
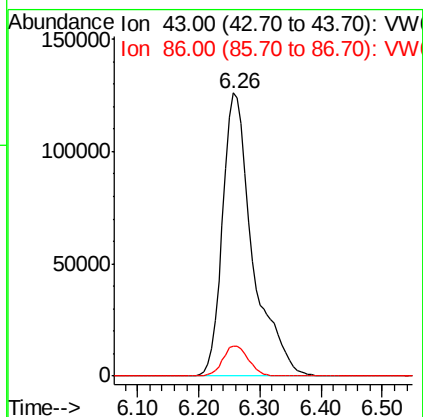
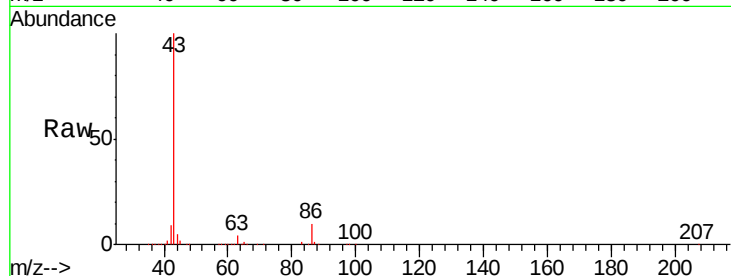
VSTDCCC050

Tgt Ion: 43 Resp: 429739

Ion Ratio Lower Upper

43 100

86 10.5 8.7 13.1



#24

1,1-Dichloroethane

Concen: 49.41 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

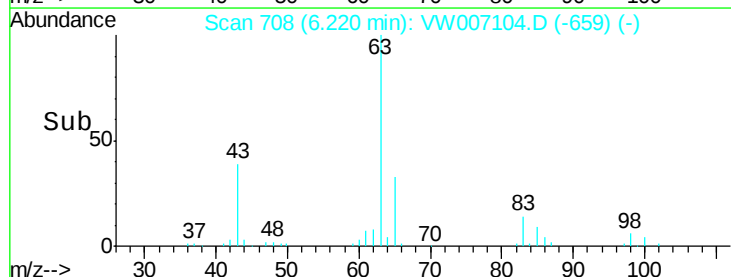
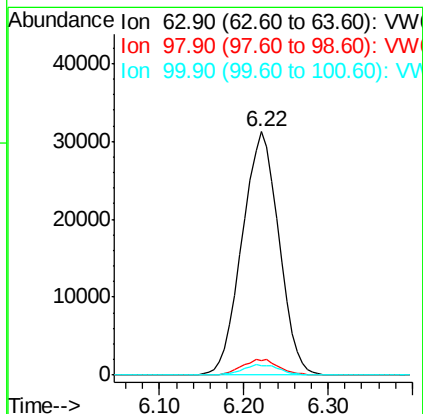
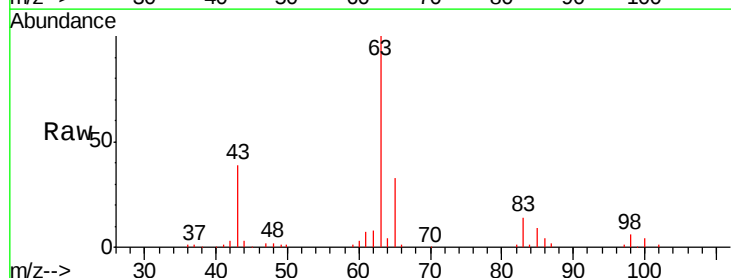
Tgt Ion: 63 Resp: 92718

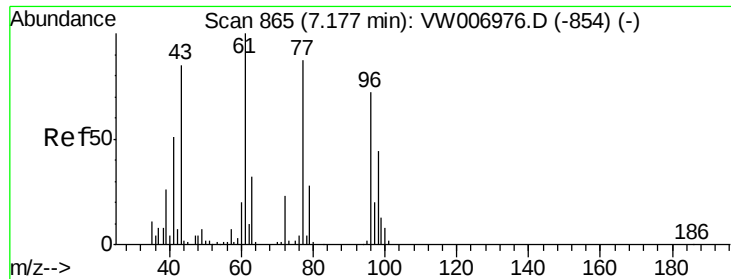
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 249.77 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampled :

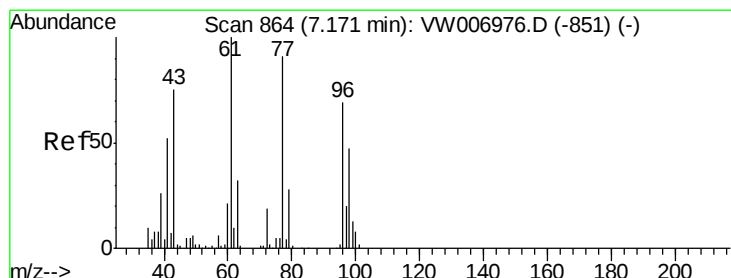
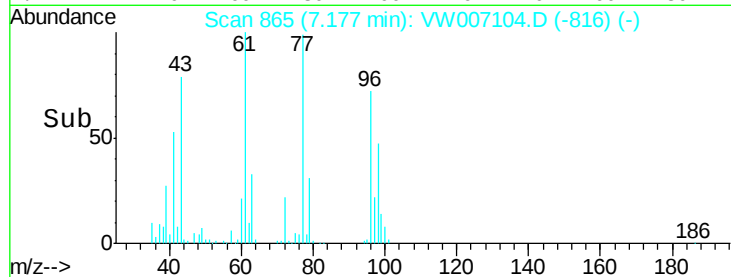
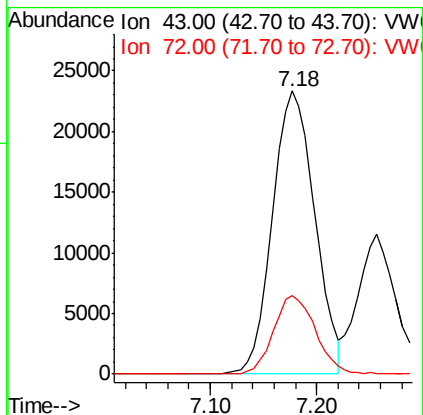
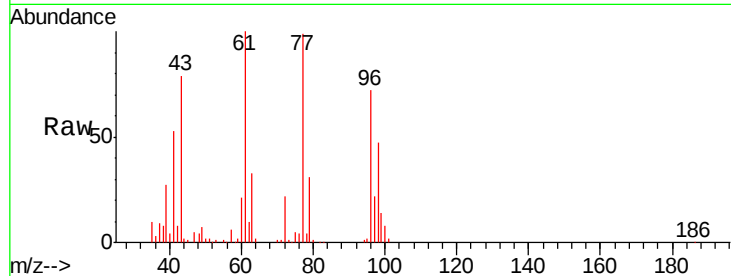
VSTDCCC050

Tgt Ion: 43 Resp: 64189

Ion Ratio Lower Upper

43 100

72 27.7 21.3 31.9



#26

2,2-Dichloropropane

Concen: 54.41 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007104.D

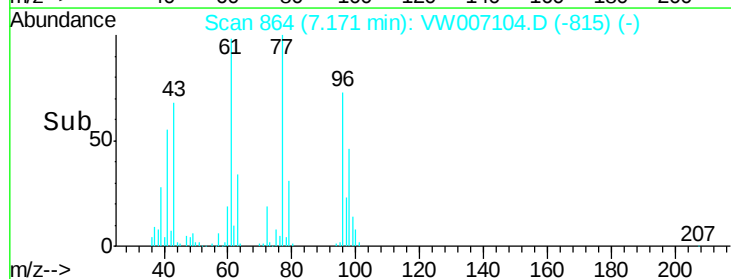
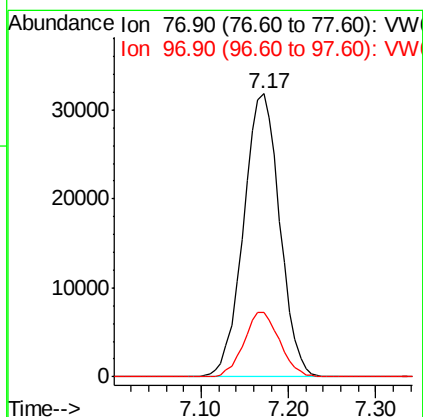
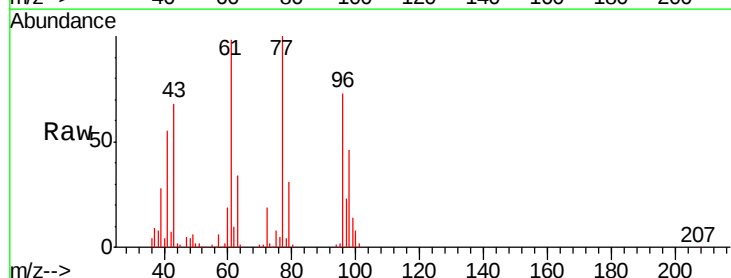
Acq: 28 Nov 2018 10:53

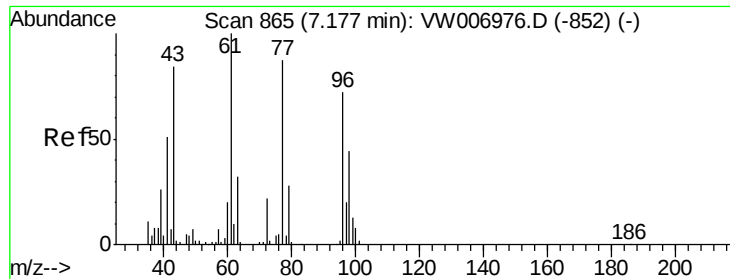
Tgt Ion: 77 Resp: 91815

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.09 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

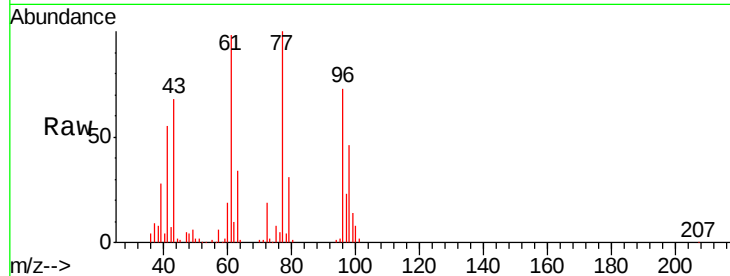
Tgt Ion: 96 Resp: 59377

Ion Ratio Lower Upper

96 100

61 146.1 0.0 292.6

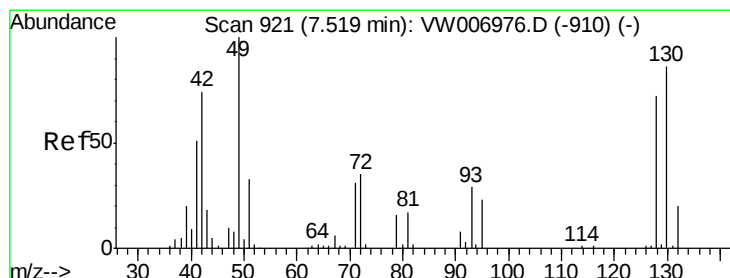
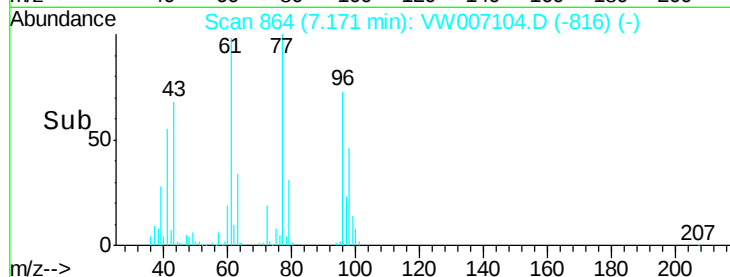
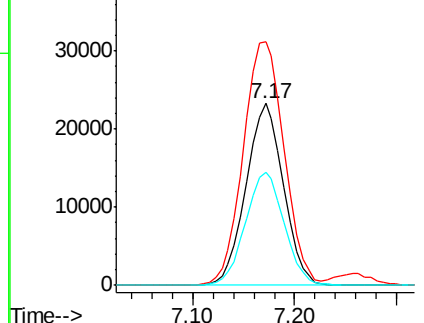
98 64.3 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 50.31 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

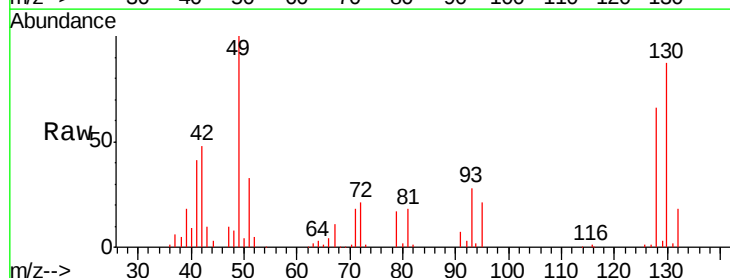
Tgt Ion: 49 Resp: 35286

Ion Ratio Lower Upper

49 100

129 0.4 0.0 2.0

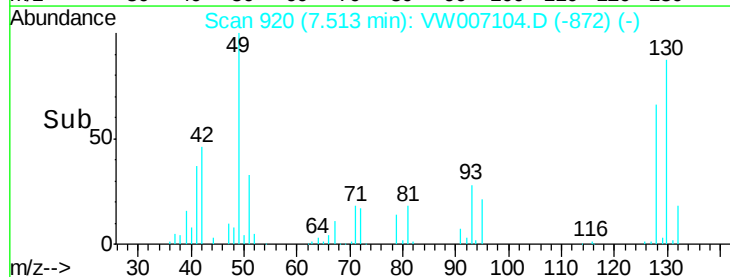
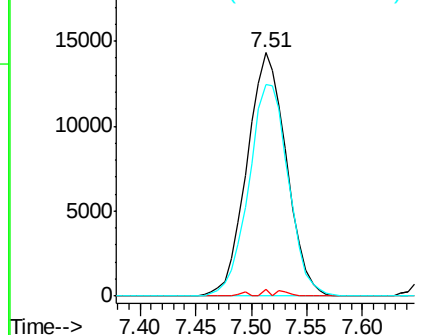
130 87.7 69.0 103.4

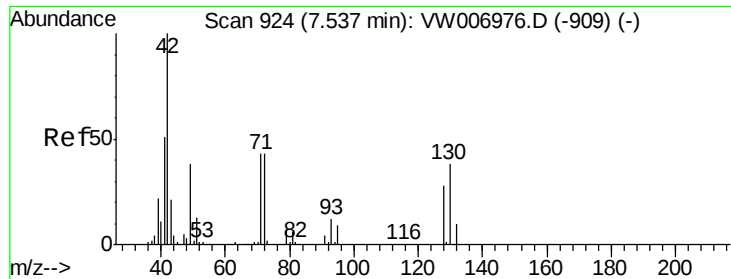


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

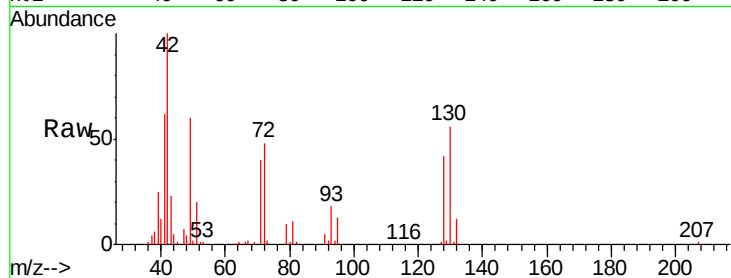




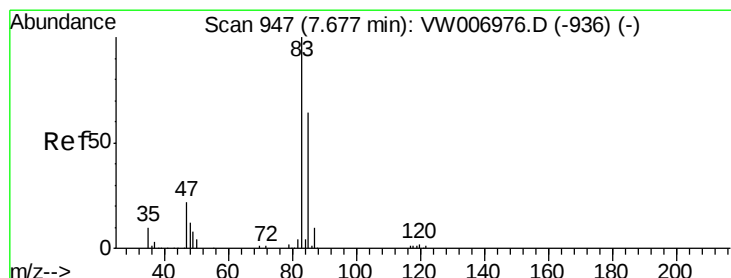
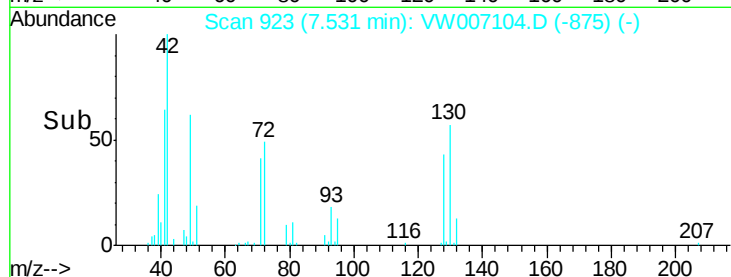
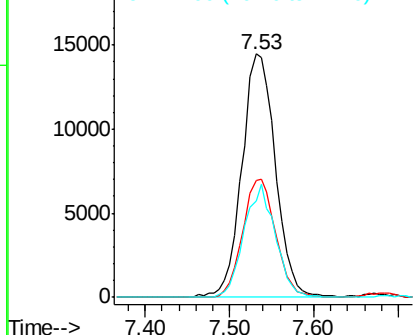
#29
Tetrahydrofuran
Concen: 233.64 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 38888
Ion Ratio Lower Upper
42 100
72 47.8 36.2 54.4
71 43.5 33.8 50.8

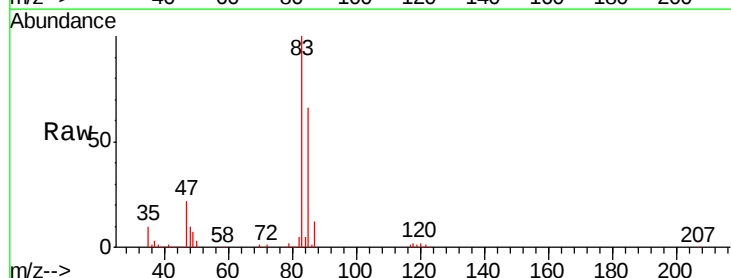


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

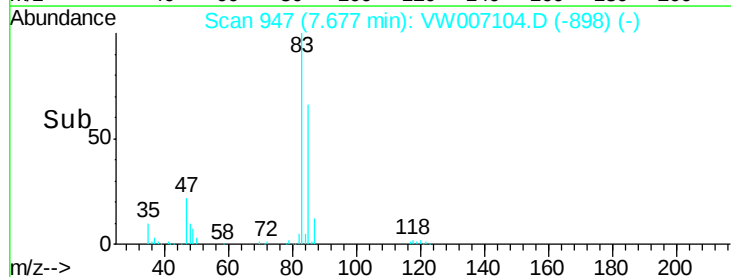
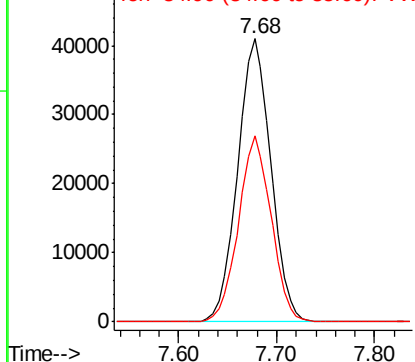


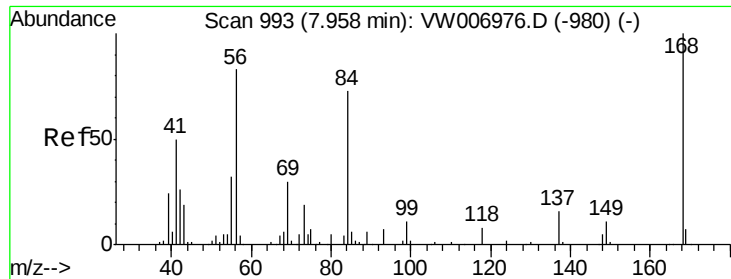
#30
Chloroform
Concen: 48.44 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 83 Resp: 96565
Ion Ratio Lower Upper
83 100
85 65.6 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

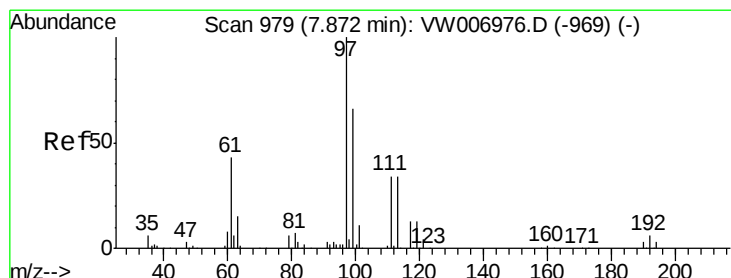
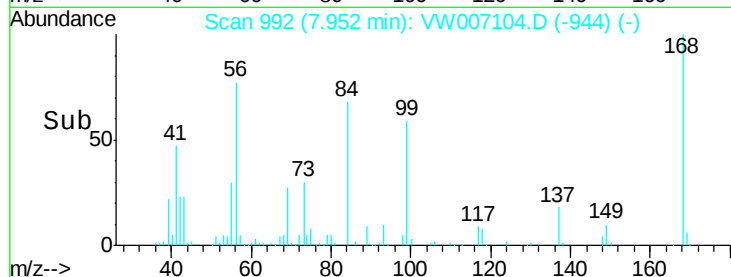
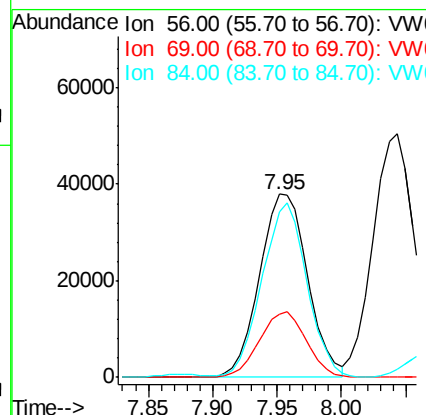
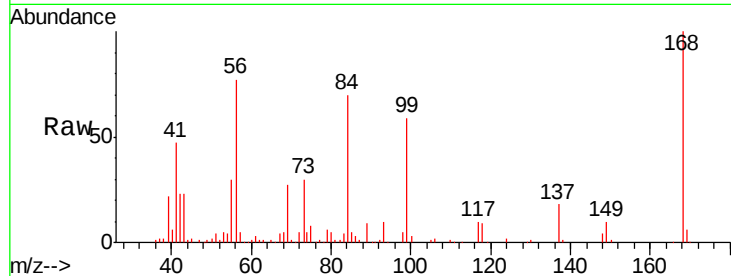




#31
Cyclohexane
Concen: 49.29 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

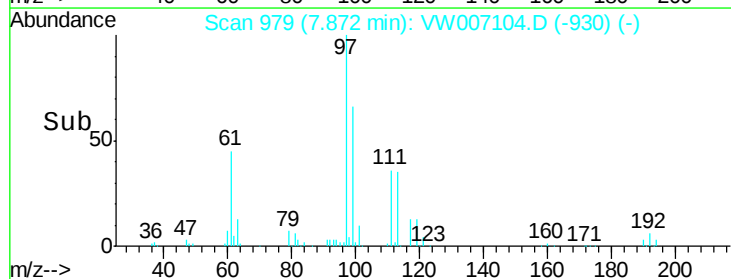
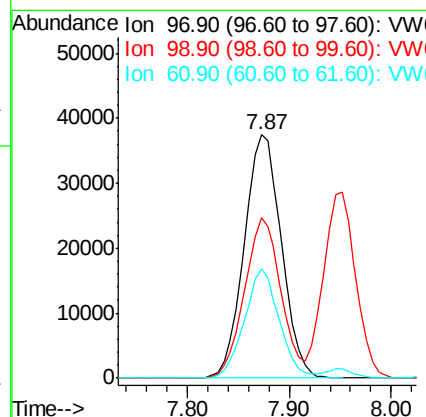
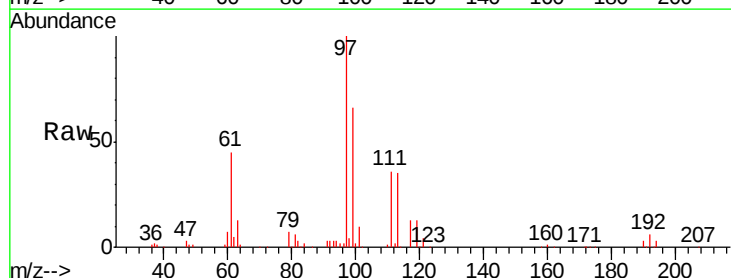
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

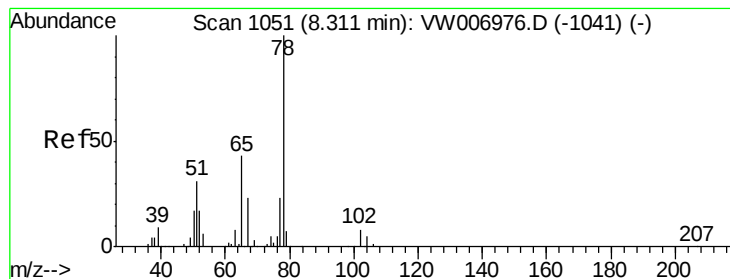
Tgt Ion: 56 Resp: 98108
Ion Ratio Lower Upper
56 100
69 34.5 29.1 43.7
84 89.1 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 52.86 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 97 Resp: 94921
Ion Ratio Lower Upper
97 100
99 64.7 51.9 77.9
61 41.8 33.4 50.2





#33

1,2-Dichloroethane-d4

Concen: 48.22 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

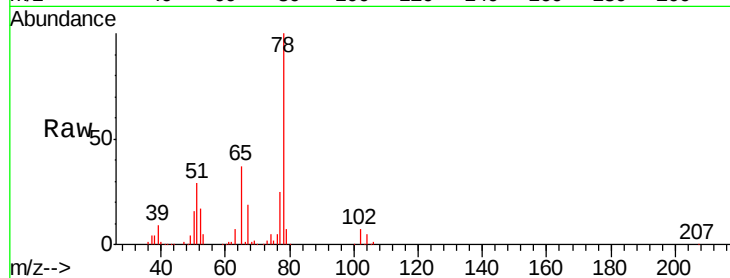
VSTDCCC050

Tgt Ion: 65 Resp: 49836

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

25000

20000

15000

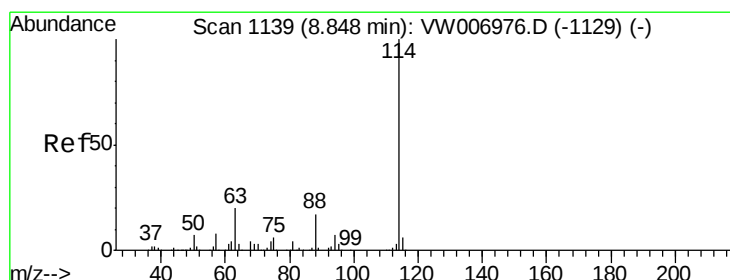
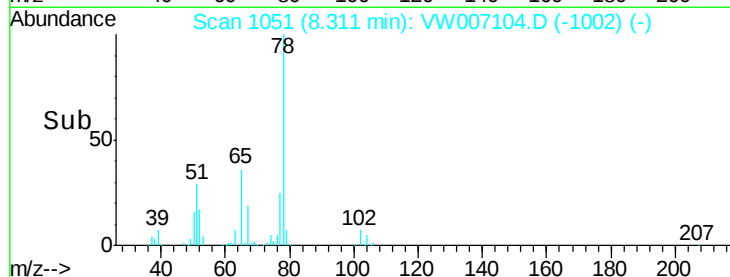
10000

5000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

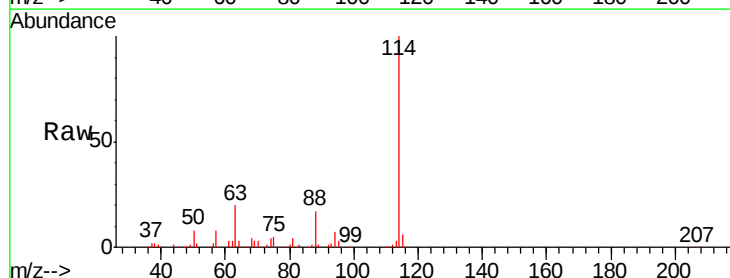
Tgt Ion: 114 Resp: 159271

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

88 16.7 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

100000

80000

60000

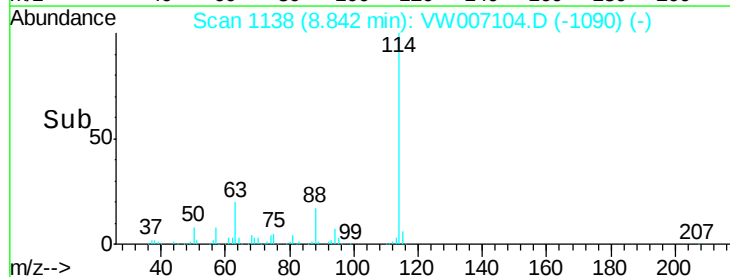
40000

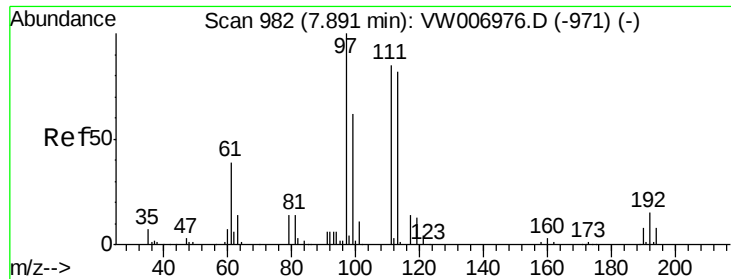
20000

0

8.80 8.90 9.00

Time-->

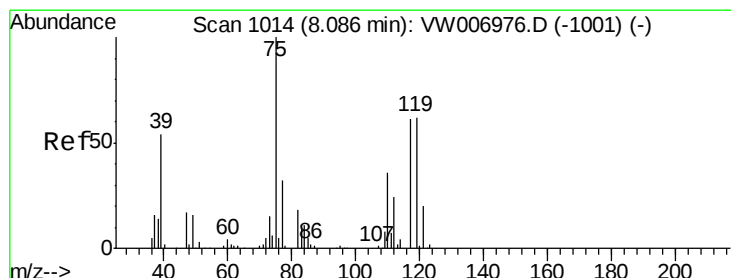
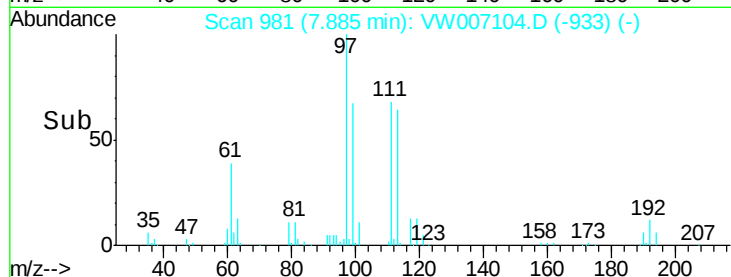
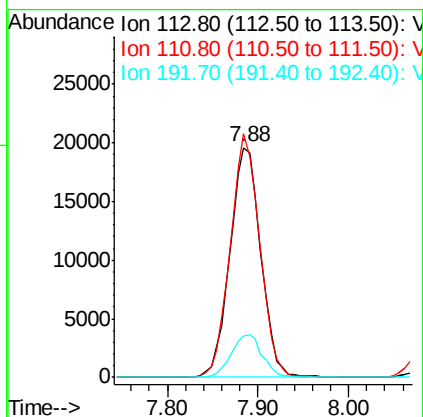
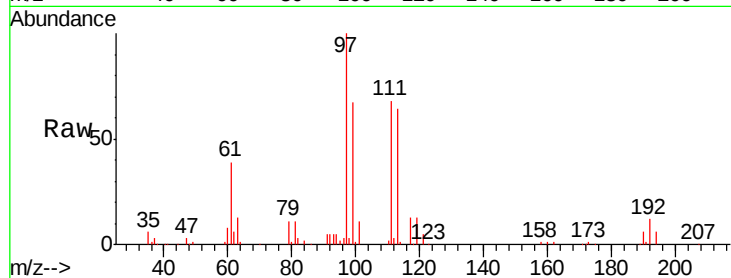




#35
 Dibromofluoromethane
 Concen: 51.30 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

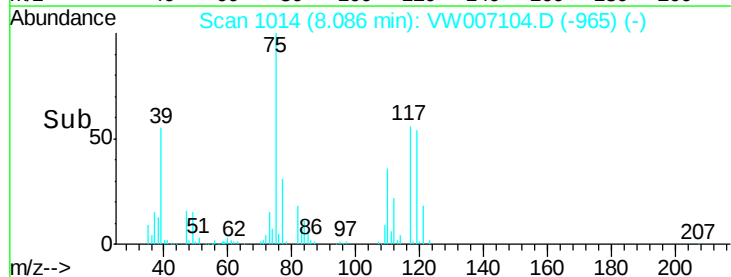
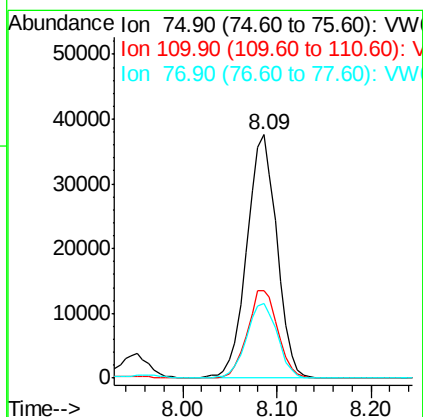
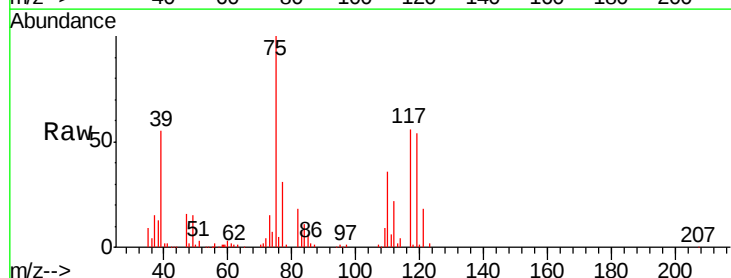
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

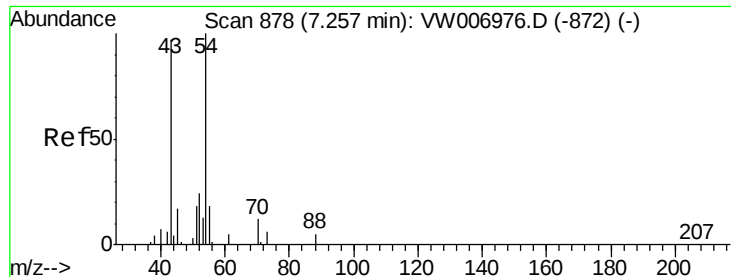
Tgt Ion:113 Resp: 46140
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.0 121.6
 192 18.5 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 53.72 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion: 75 Resp: 83603
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.0 54.0
 77 31.8 24.9 37.3

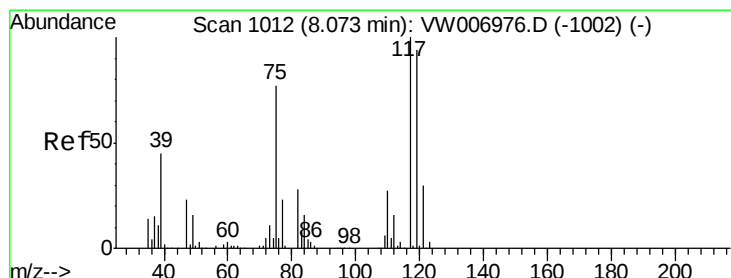
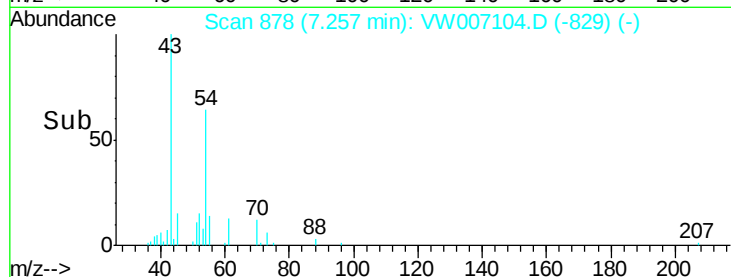
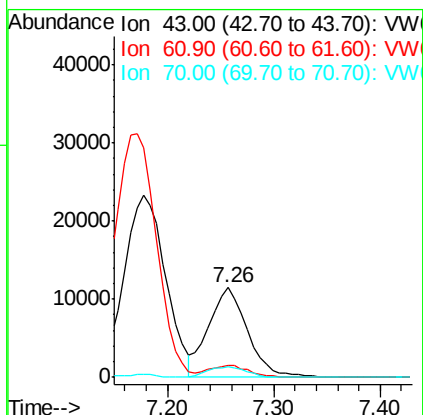
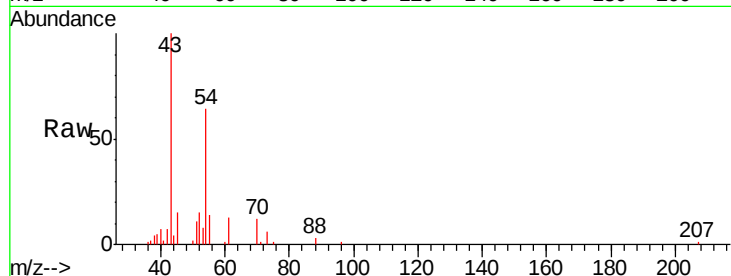




#37
Ethyl Acetate
Concen: 51.64 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

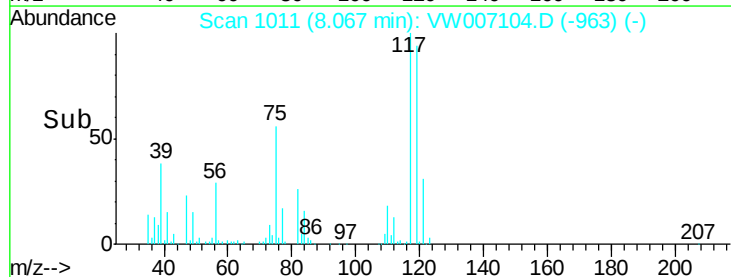
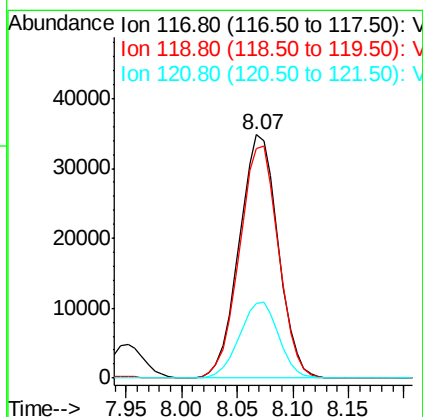
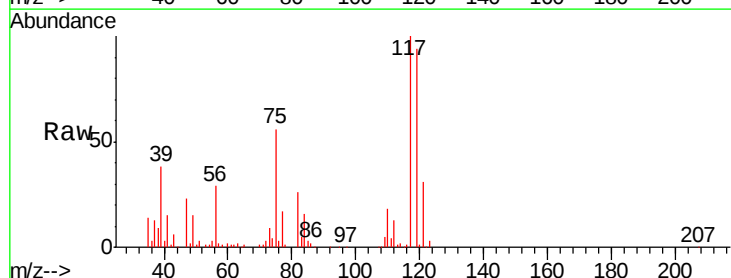
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

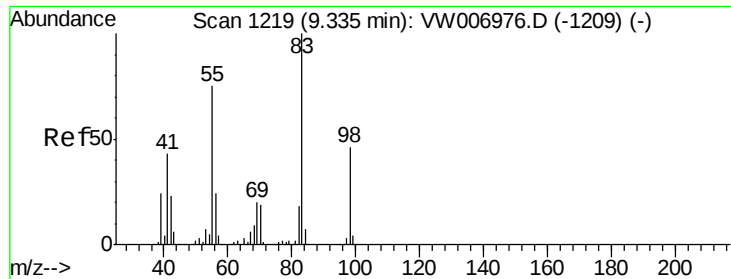
Tgt Ion: 43 Resp: 29124
Ion Ratio Lower Upper
43 100
61 13.9 10.4 15.6
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 56.79 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 117 Resp: 84646
Ion Ratio Lower Upper
117 100
119 94.4 74.9 112.3
121 30.9 23.6 35.4

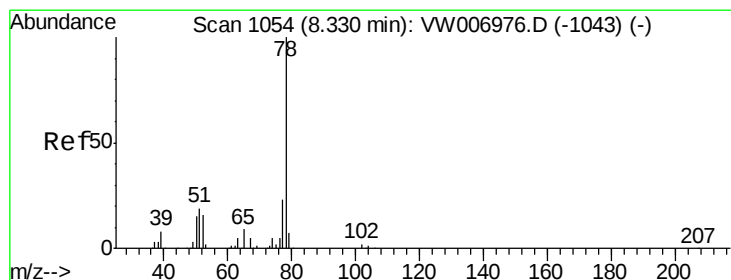
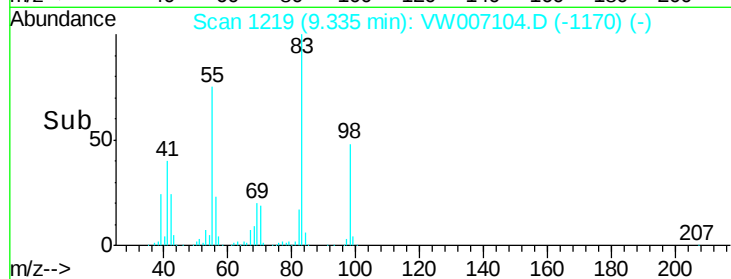
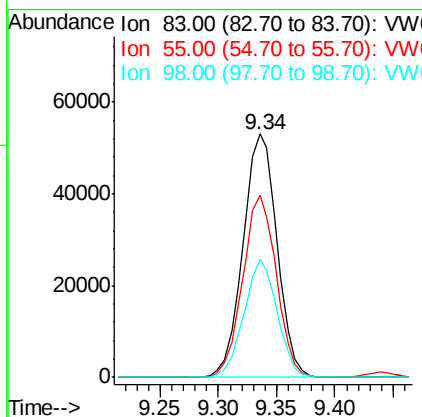
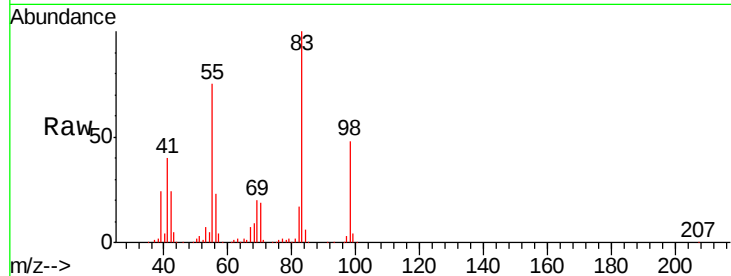




#39
Methylcyclohexane
Concen: 55.44 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

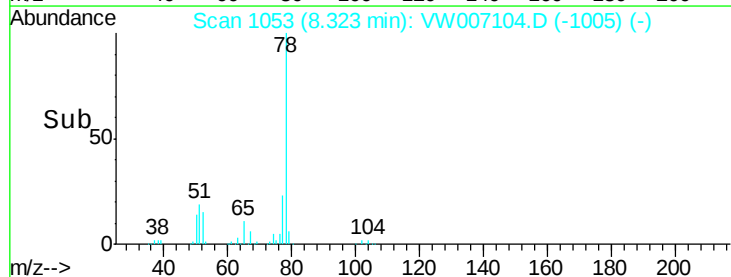
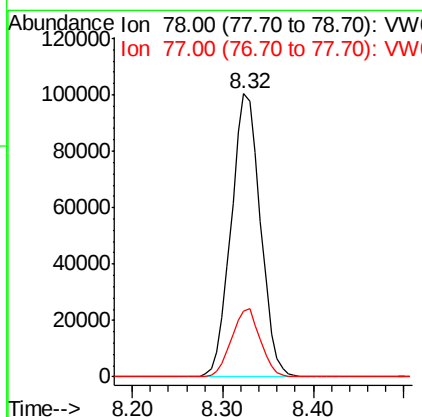
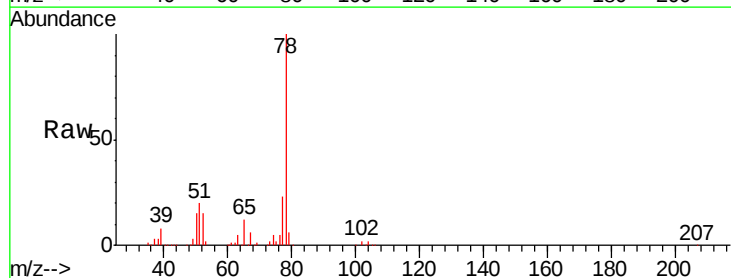
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

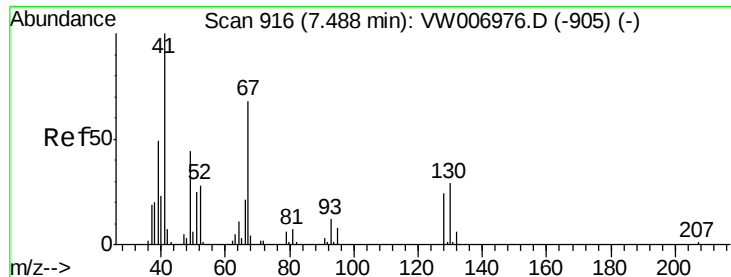
Tgt Ion: 83 Resp: 107977
Ion Ratio Lower Upper
83 100
55 75.1 59.6 89.4
98 48.3 37.1 55.7



#40
Benzene
Concen: 53.44 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 78 Resp: 224498
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

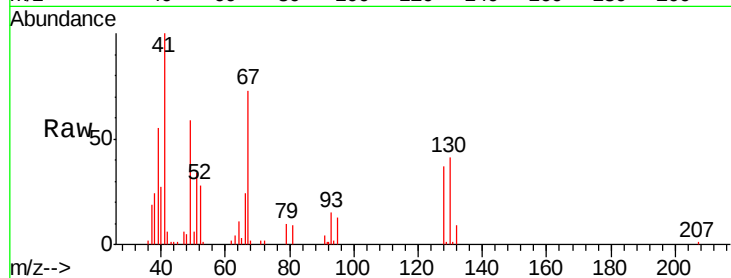




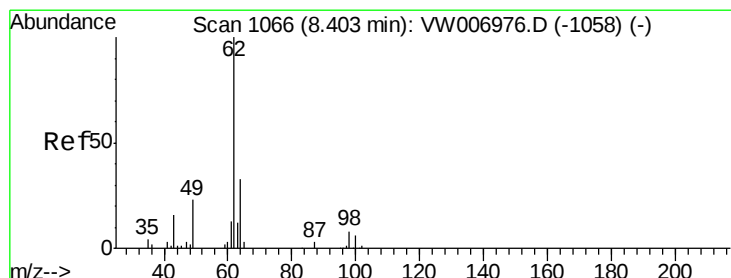
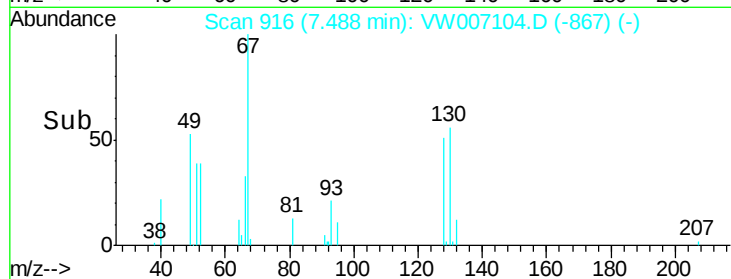
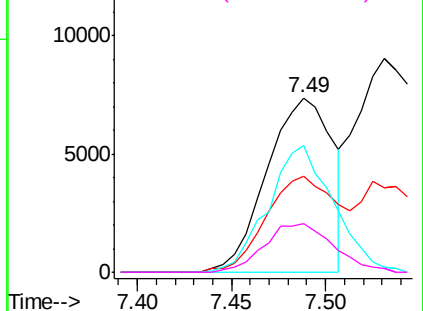
#41
Methacrylonitrile
Concen: 51.02 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	17871
Ion	Ratio	Lower	Upper
41	100		
39	60.7	48.6	73.0
67	72.1	59.8	89.8
52	29.4	24.8	37.2

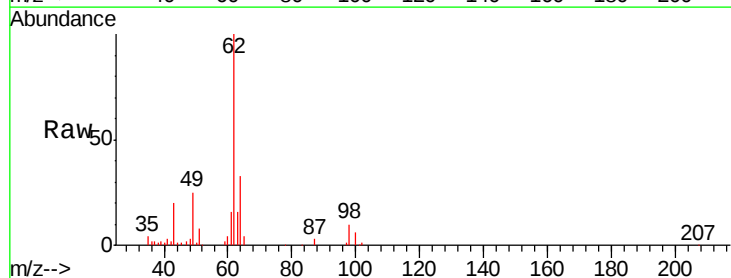


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

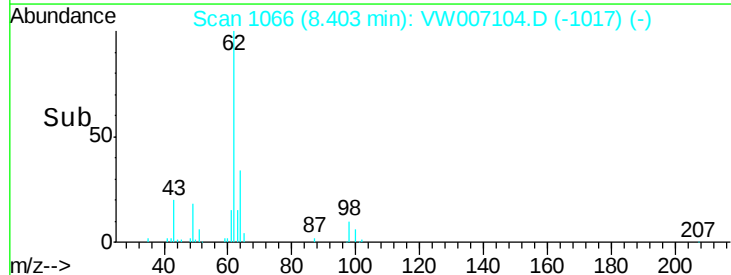
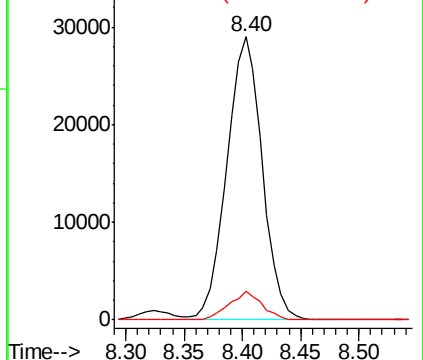


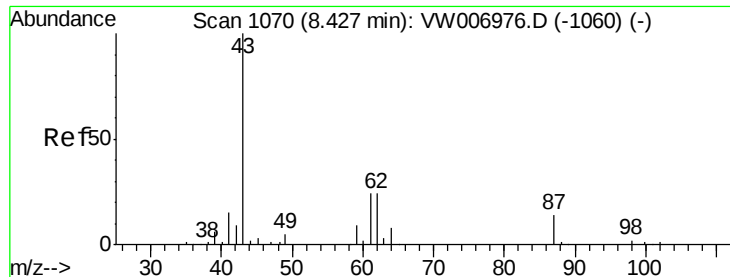
#42
1,2-Dichloroethane
Concen: 50.15 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion:	62	Resp:	61167
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 52.35 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

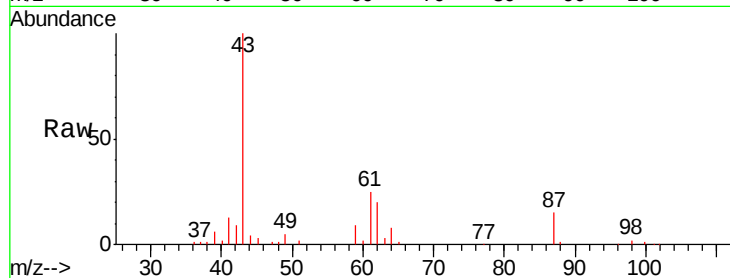
Tgt Ion: 43 Resp: 56269

Ion Ratio Lower Upper

43 100

61 32.9 26.1 39.1

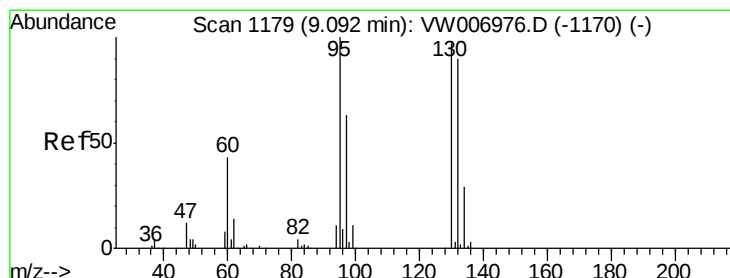
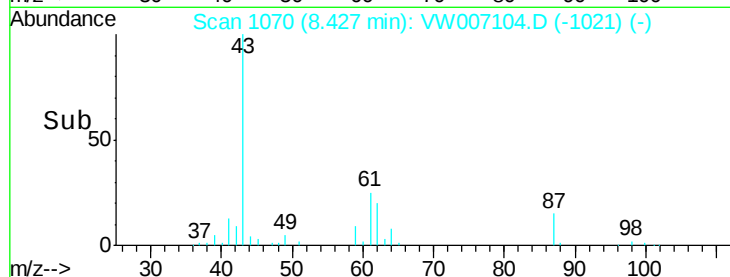
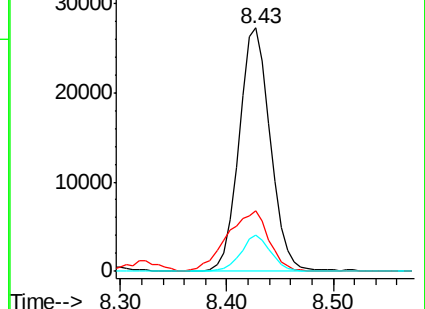
87 14.0 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 54.10 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007104.D

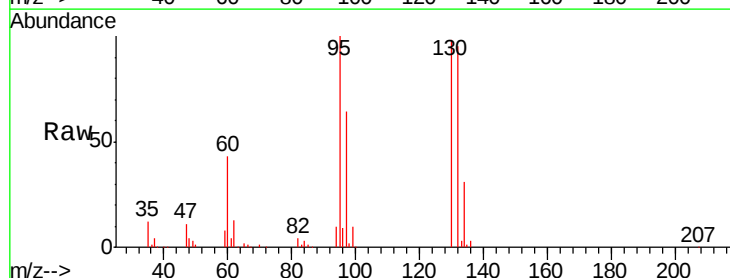
Acq: 28 Nov 2018 10:53

Tgt Ion: 130 Resp: 63714

Ion Ratio Lower Upper

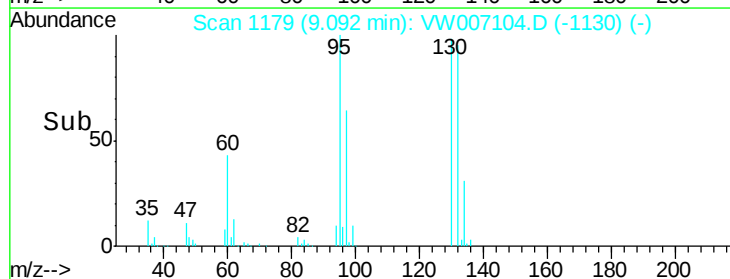
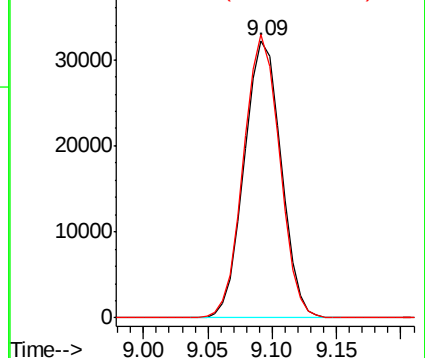
130 100

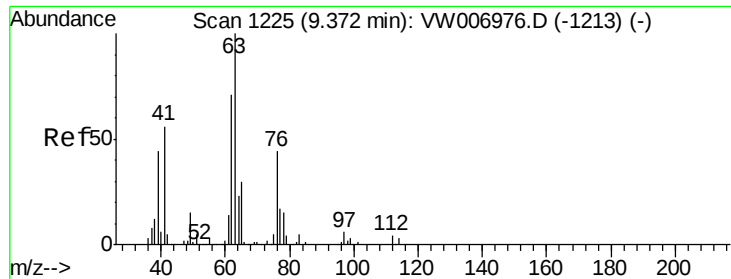
95 102.2 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 51.67 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

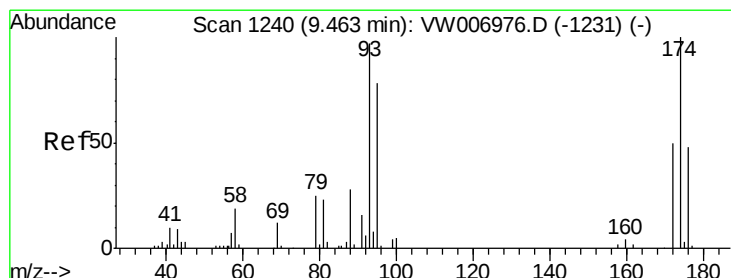
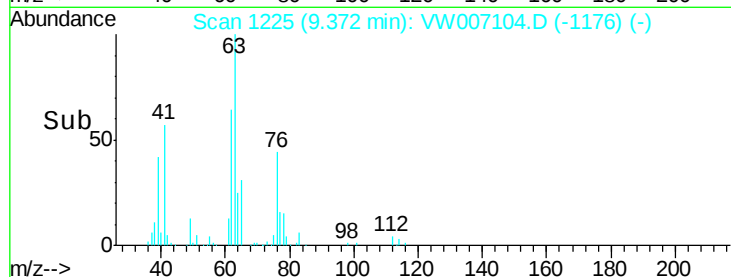
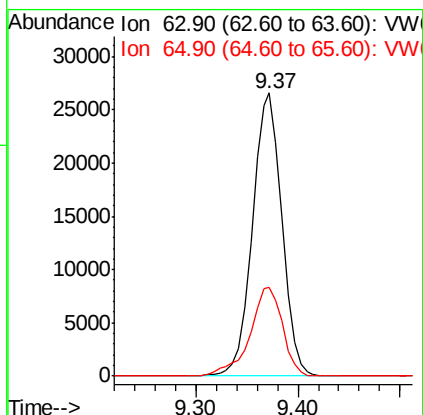
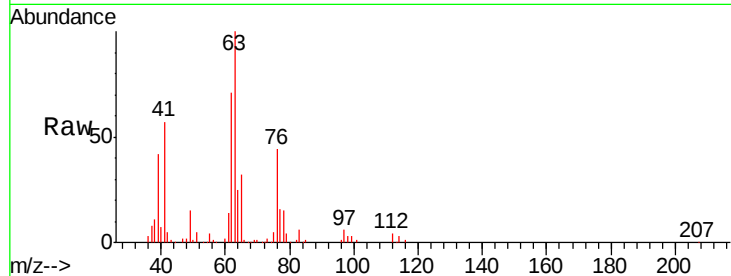
VSTDCCC050

Tgt Ion: 63 Resp: 53513

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



#46

Dibromomethane

Concen: 50.66 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

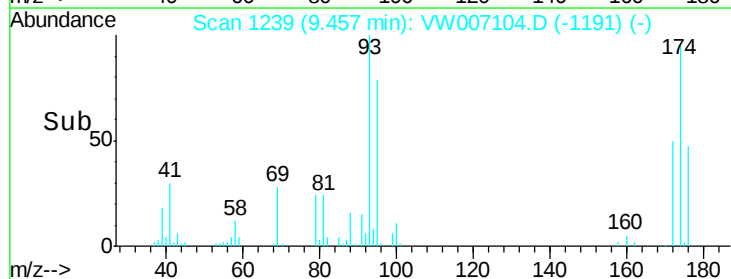
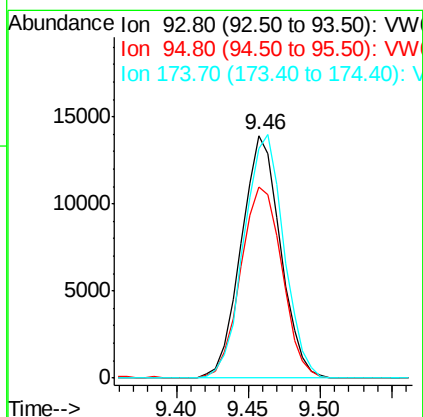
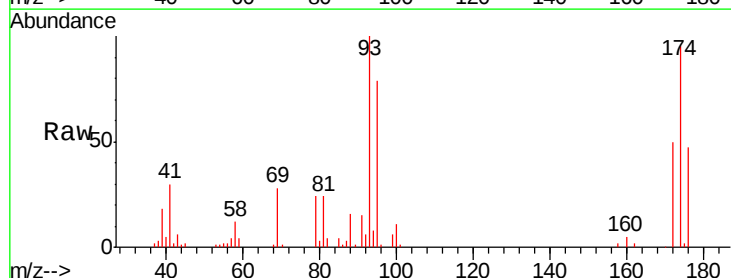
Tgt Ion: 93 Resp: 26273

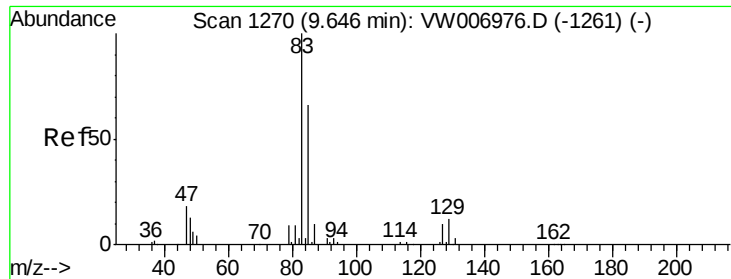
Ion Ratio Lower Upper

93 100

95 83.0 66.1 99.1

174 101.8 79.7 119.5





#47

Bromodichloromethane

Concen: 52.33 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

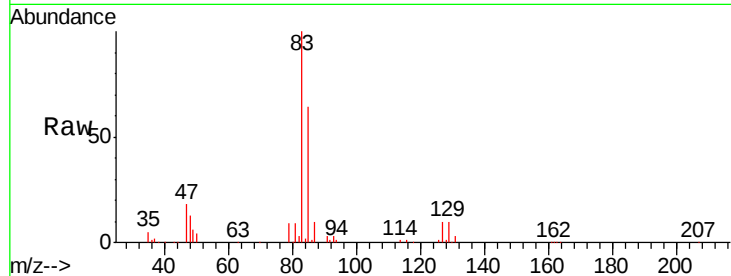
Tgt Ion: 83 Resp: 71504

Ion Ratio Lower Upper

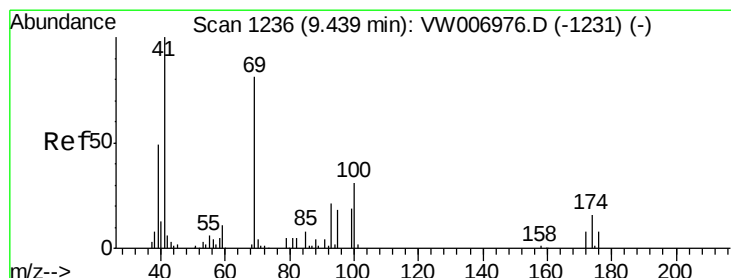
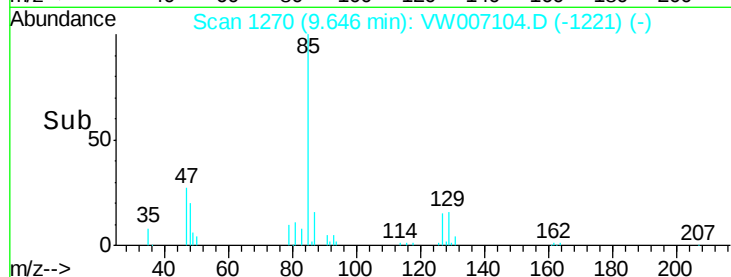
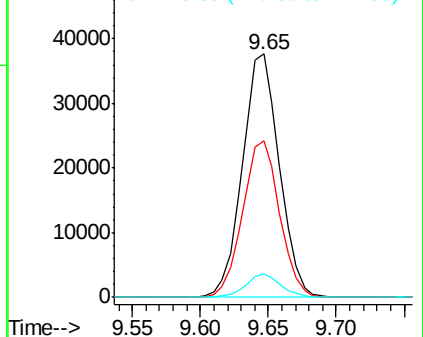
83 100

85 64.1 52.9 79.3

127 9.8 7.8 11.6



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



#48

Methyl methacrylate

Concen: 58.36 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

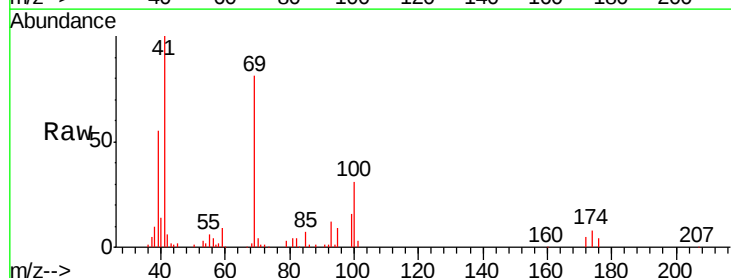
Tgt Ion: 41 Resp: 30244

Ion Ratio Lower Upper

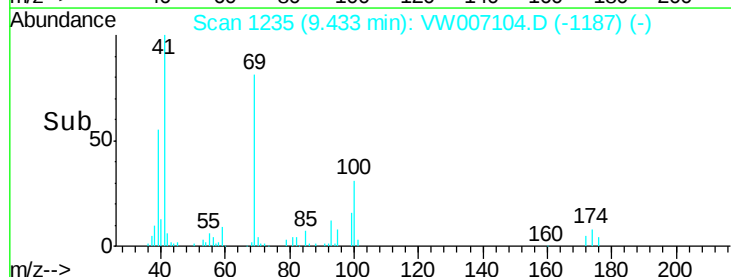
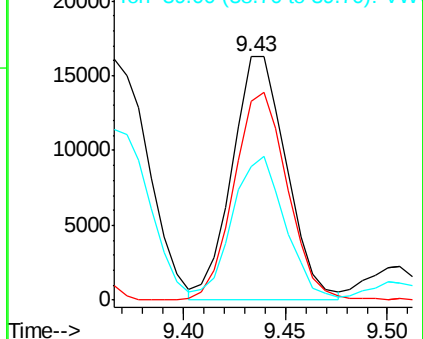
41 100

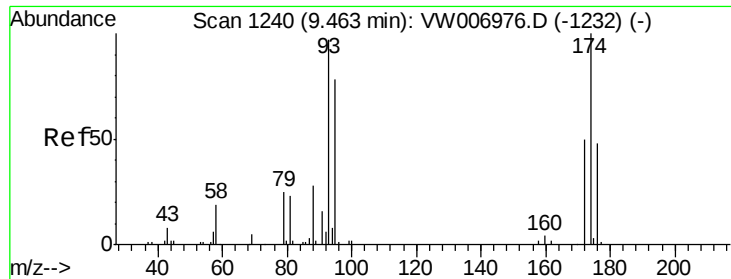
69 84.0 71.4 107.0

39 54.5 44.8 67.2



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

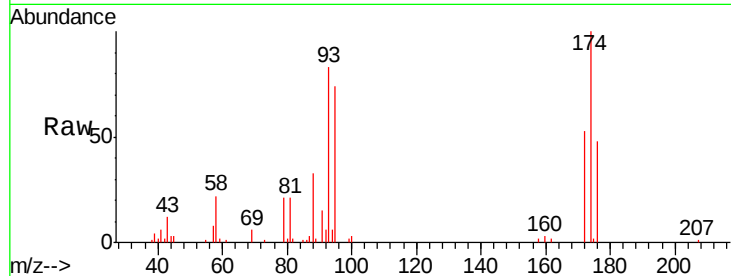




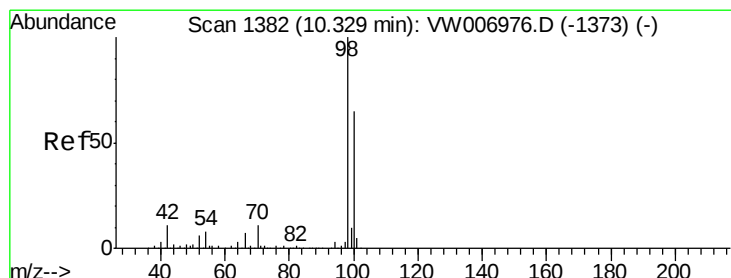
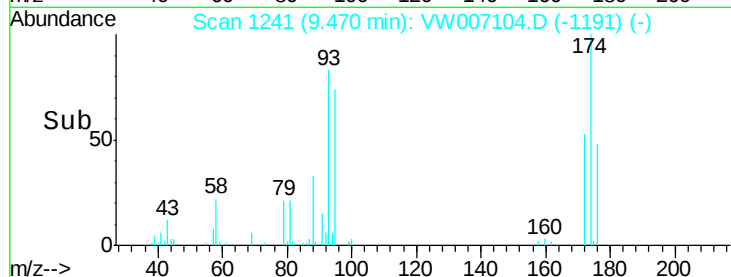
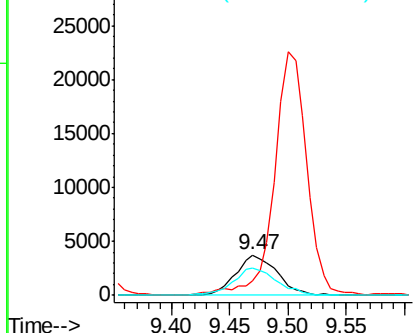
#49
1,4-Dioxane
Concen: 1203.47 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 9277
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.8 59.0 88.6

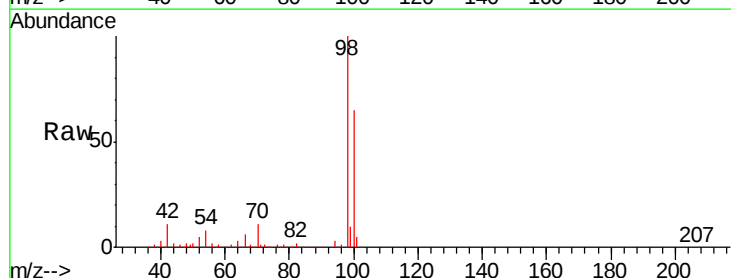


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

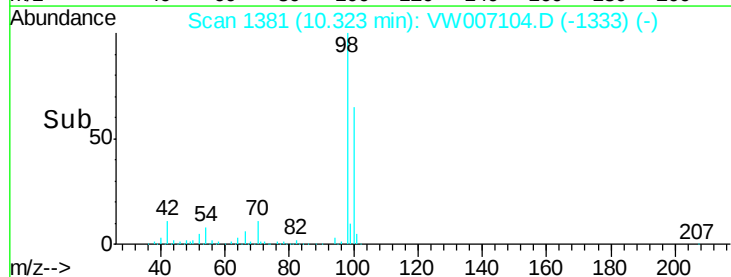
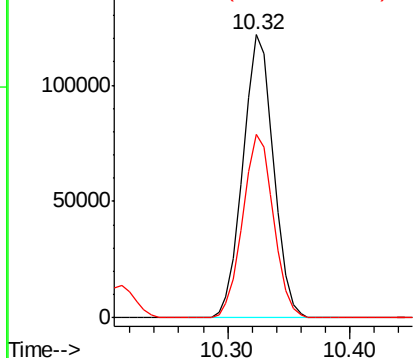


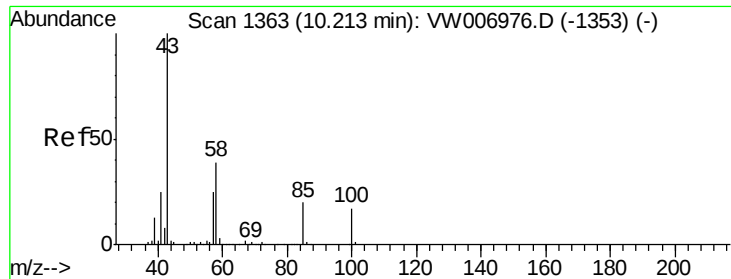
#50
Toluene-d8
Concen: 53.33 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 98 Resp: 211836
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 257.16 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

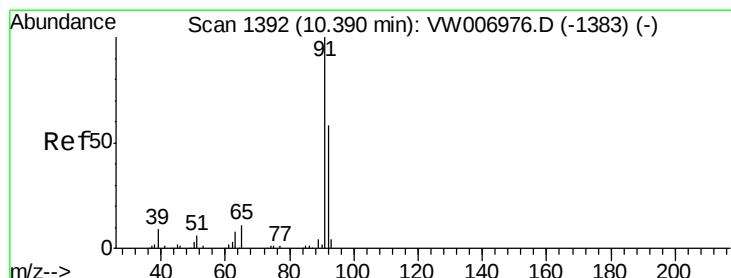
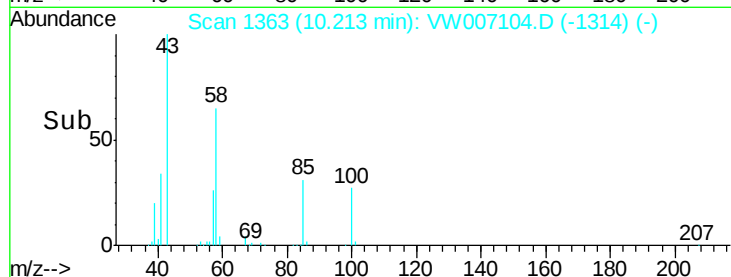
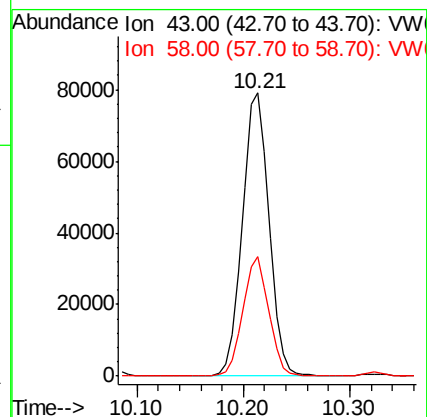
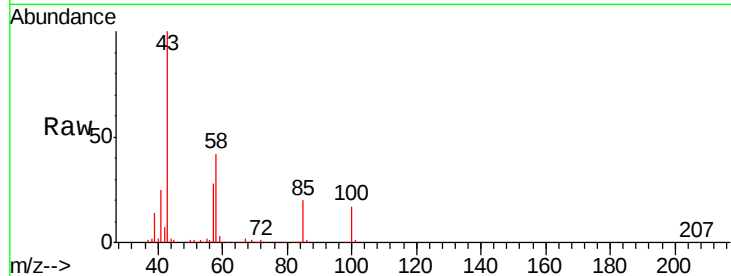
VSTDCCC050

Tgt Ion: 43 Resp: 139676

Ion Ratio Lower Upper

43 100

58 40.8 31.8 47.6



#52

Toluene

Concen: 55.25 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007104.D

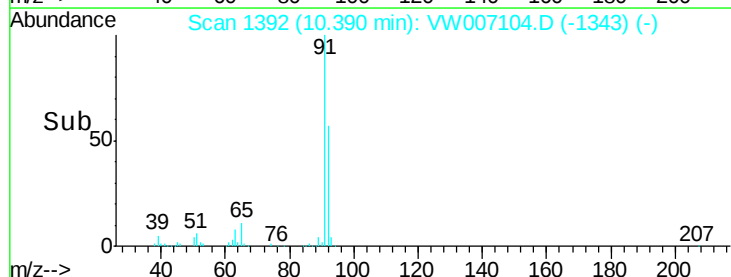
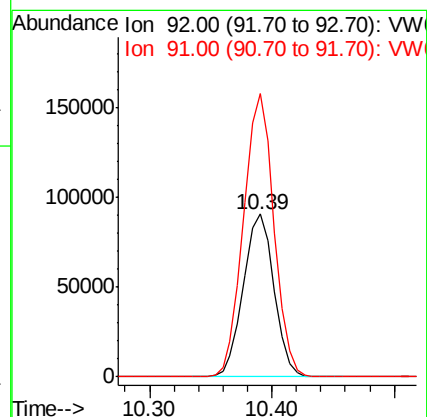
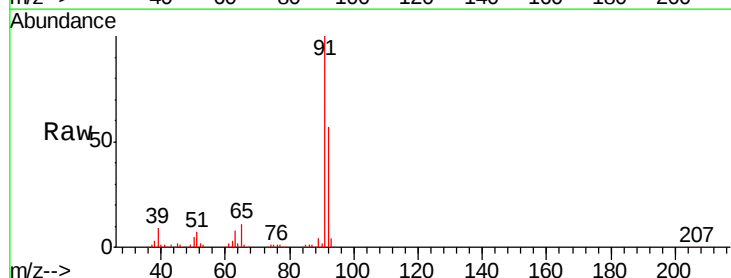
Acq: 28 Nov 2018 10:53

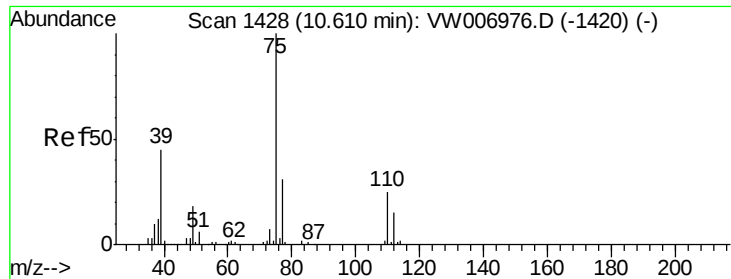
Tgt Ion: 92 Resp: 157982

Ion Ratio Lower Upper

92 100

91 172.3 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 55.45 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

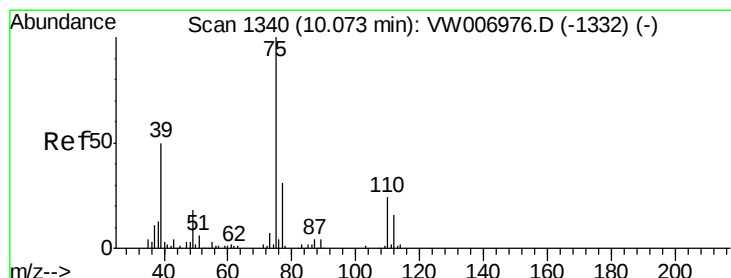
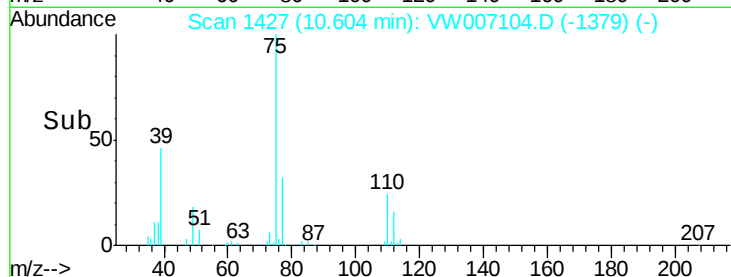
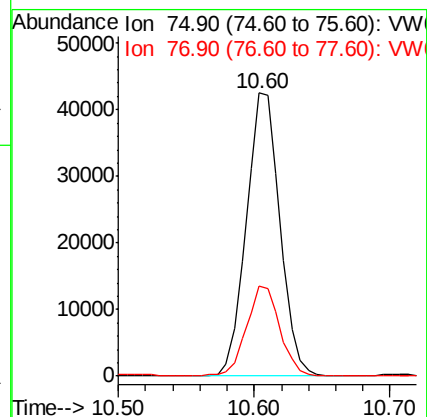
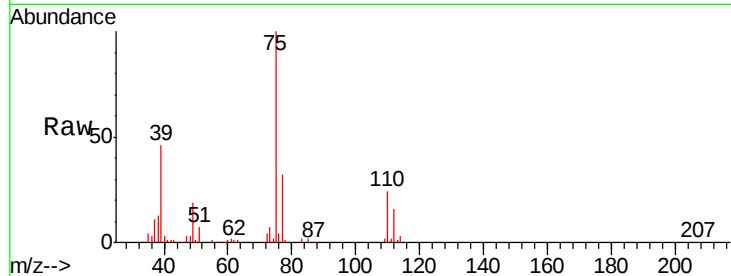
VSTDCCC050

Tgt Ion: 75 Resp: 73393

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 54.59 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

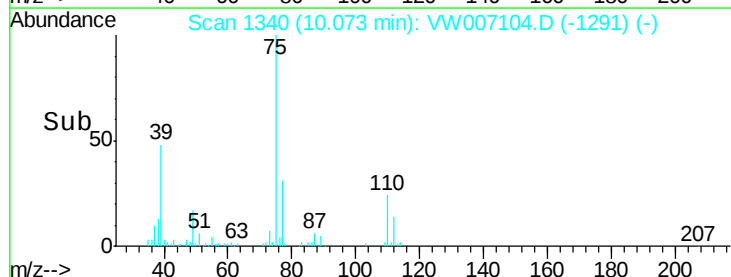
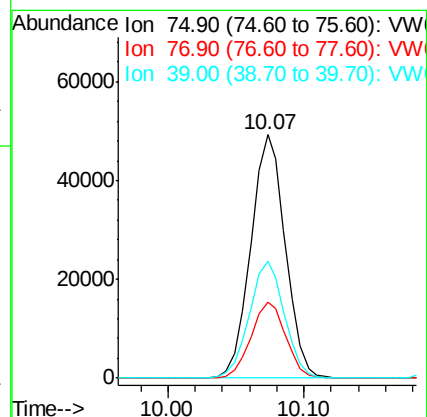
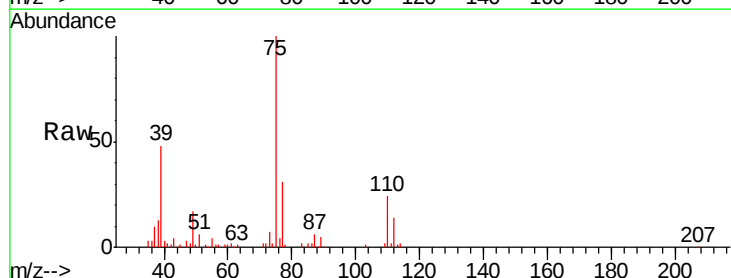
Tgt Ion: 75 Resp: 87299

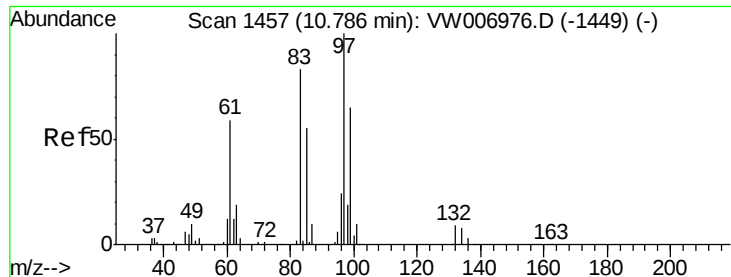
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 48.1 39.9 59.9

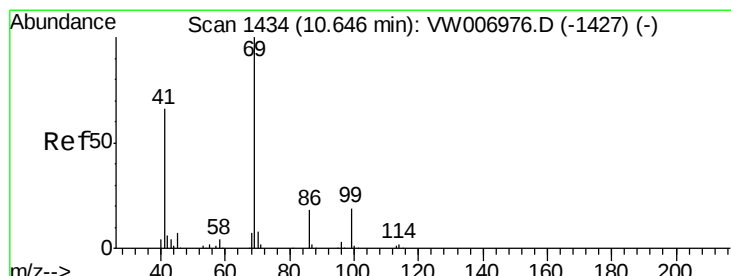
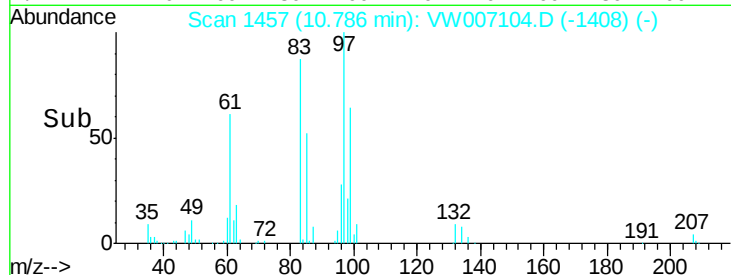
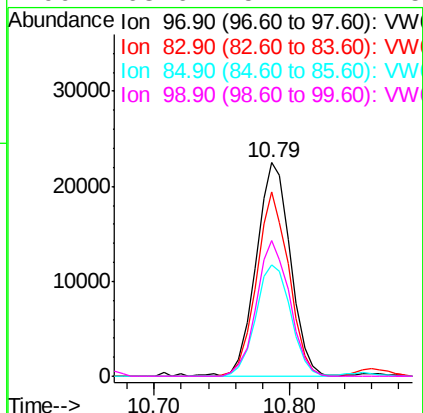
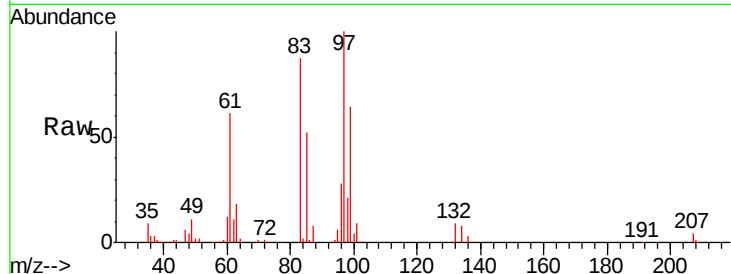




#55
 1,1,2-Trichloroethane
 Concen: 51.98 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

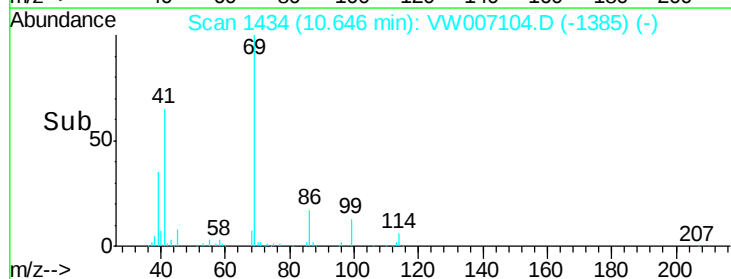
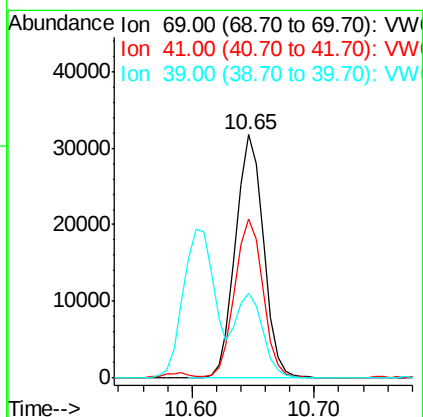
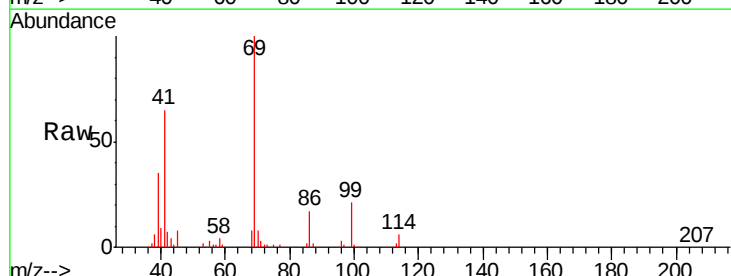
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

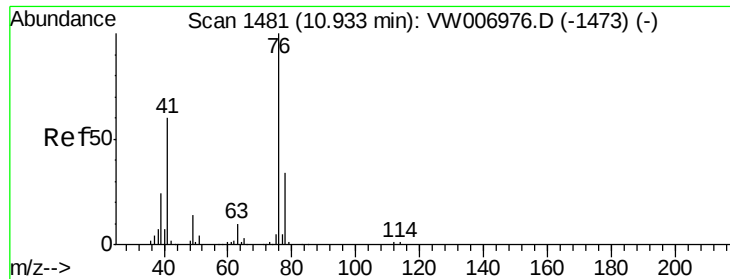
Tgt Ion:	97	Resp:	39661
Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.4	99.6
85	52.1	44.1	66.1
99	63.6	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 56.94 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion:	69	Resp:	50432
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.4	80.0
39	34.1	28.2	42.4

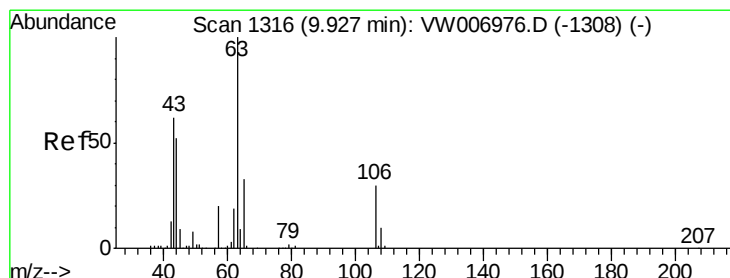
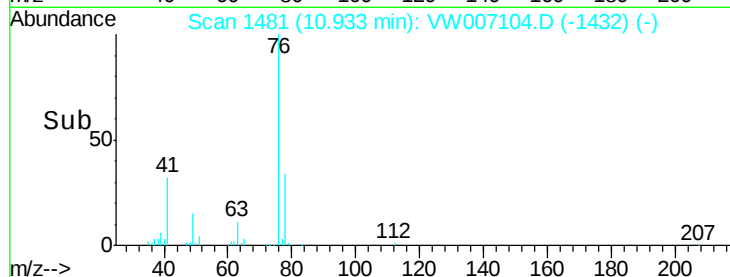
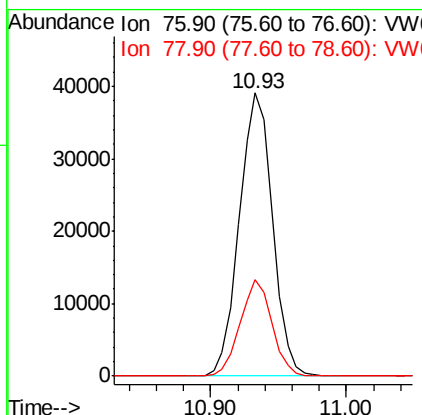
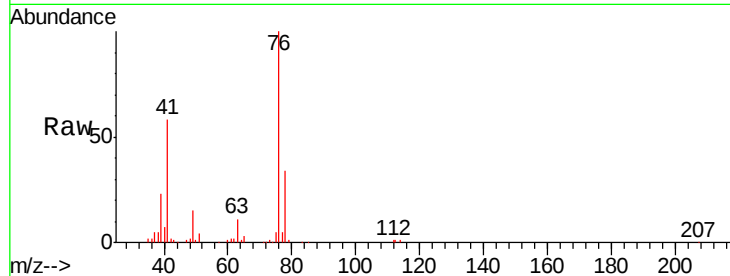




#57
 1,3-Dichloropropane
 Concen: 52.08 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

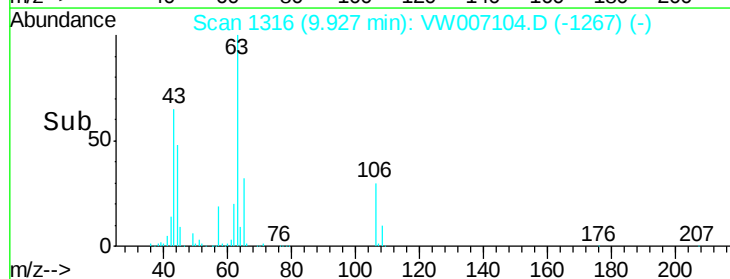
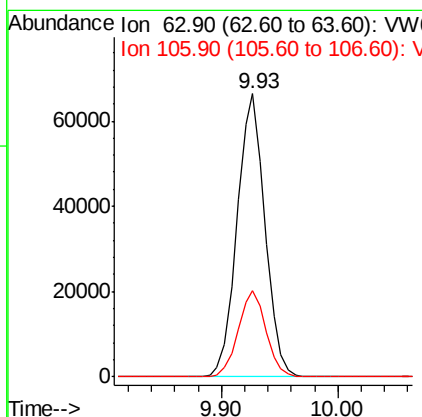
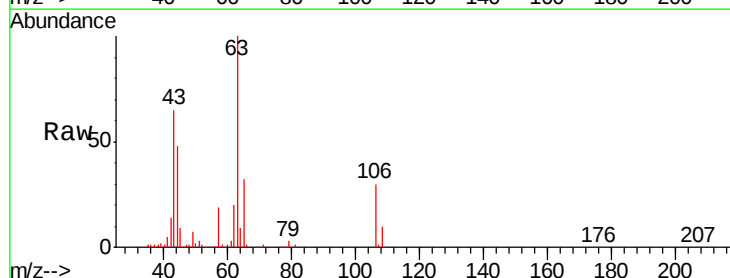
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

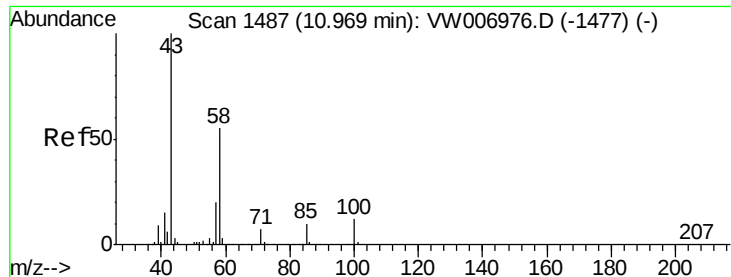
Tgt Ion: 76 Resp: 66600
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.87 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion: 63 Resp: 110557
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.5 35.3

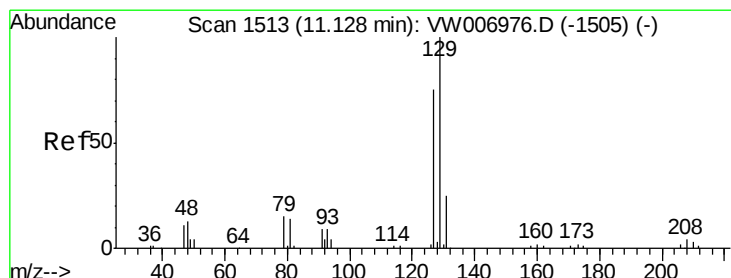
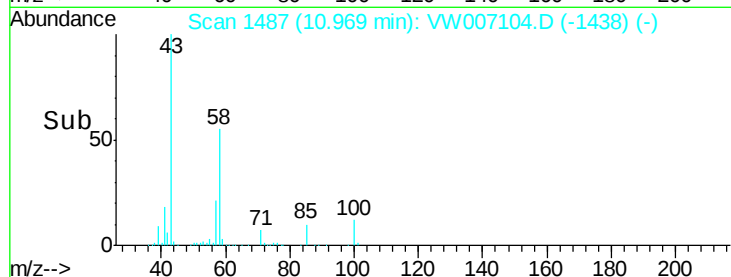
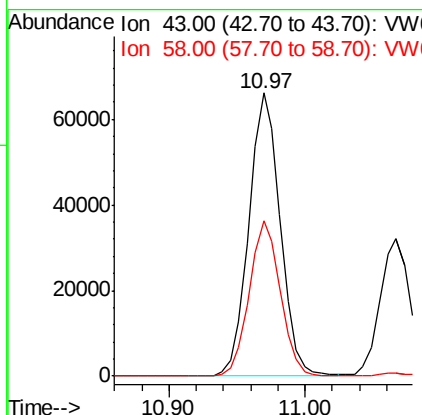
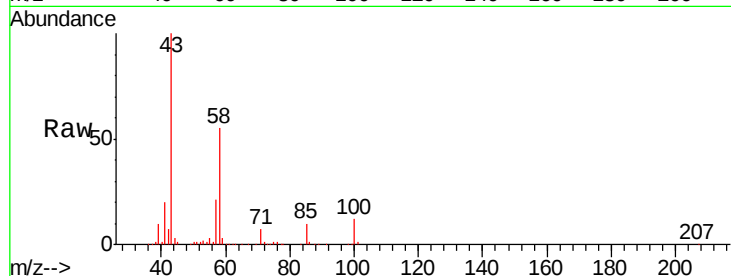




#59
2-Hexanone
Concen: 287.23 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

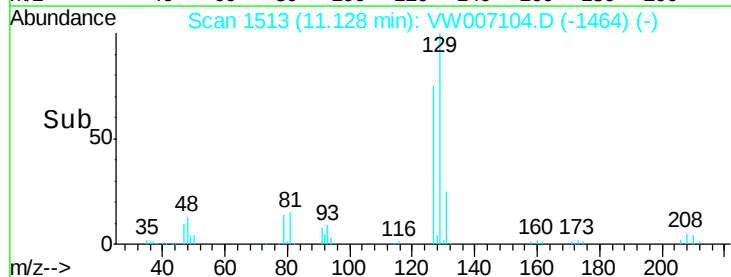
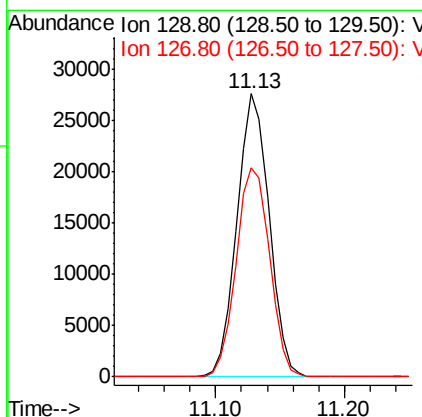
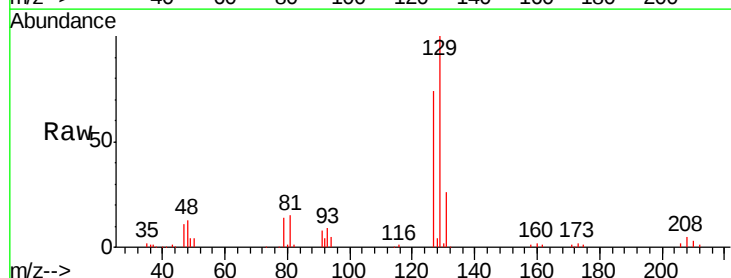
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

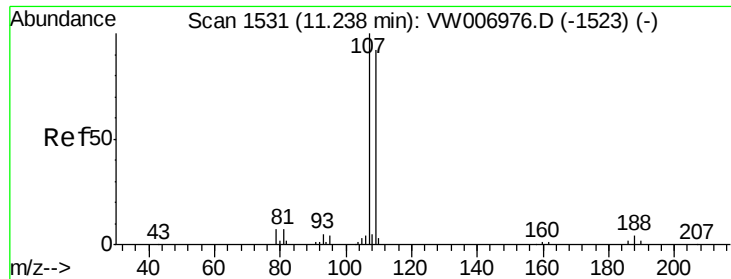
Tgt Ion: 43 Resp: 106834
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8



#60
Dibromochloromethane
Concen: 54.98 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 129 Resp: 47806
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8

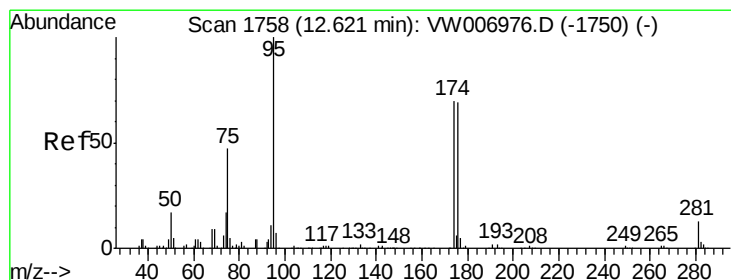
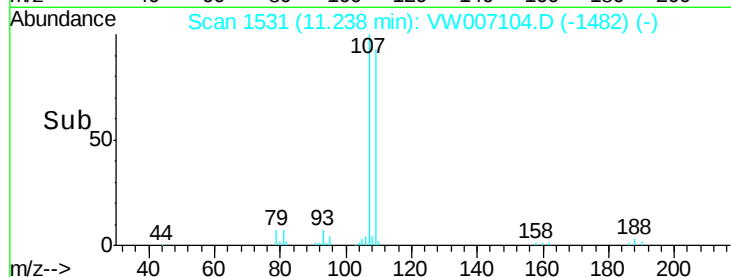
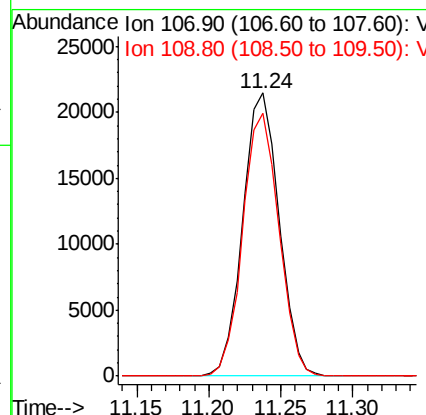
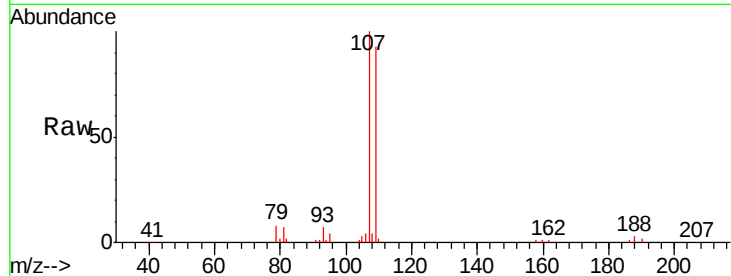




#61
 1,2-Dibromoethane
 Concen: 53.73 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

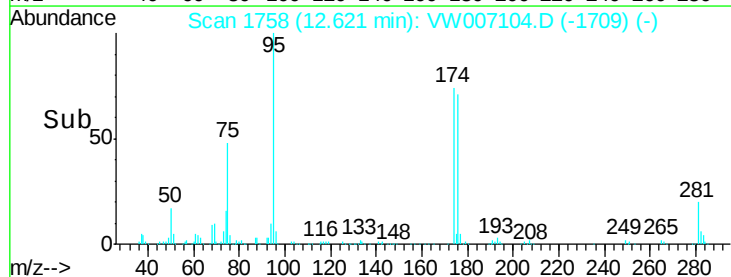
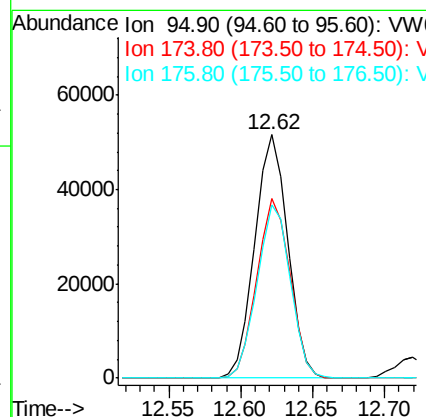
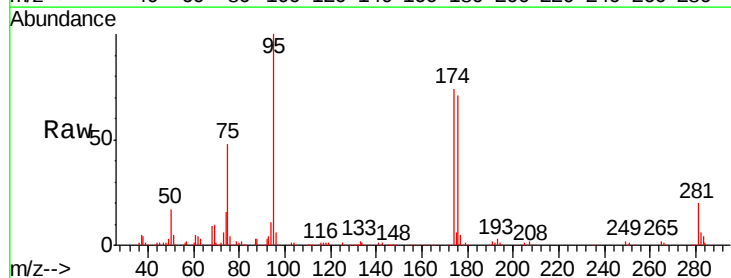
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

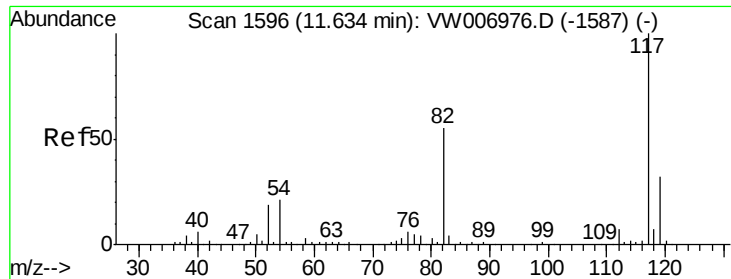
Tgt Ion: 107 Resp: 37506
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.27 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion: 95 Resp: 81696
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 143.6
 176 71.9 0.0 140.4

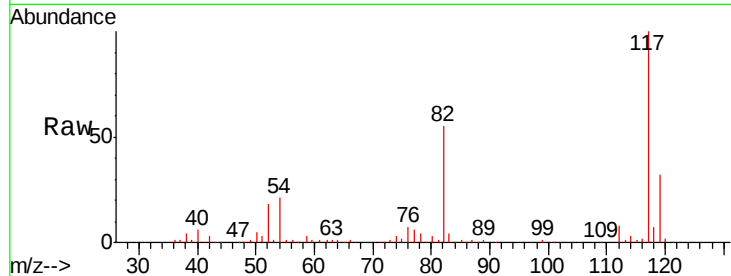




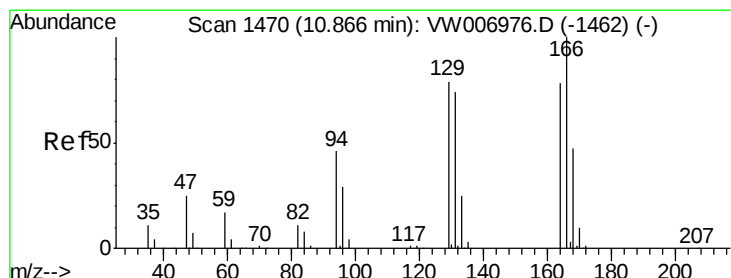
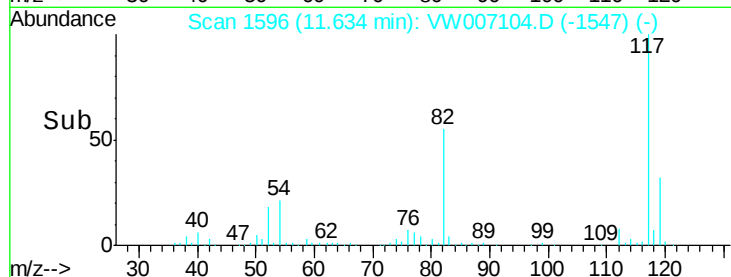
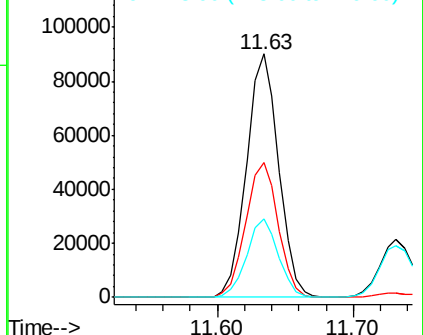
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 148809
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.3 25.9 38.9

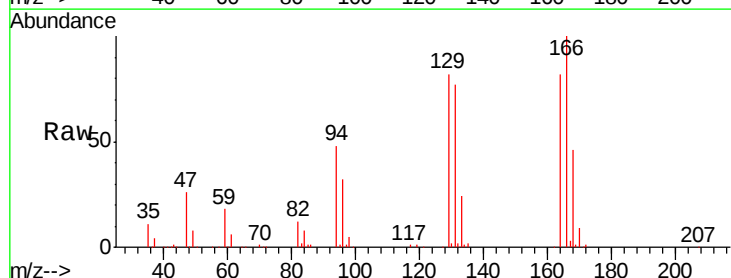


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

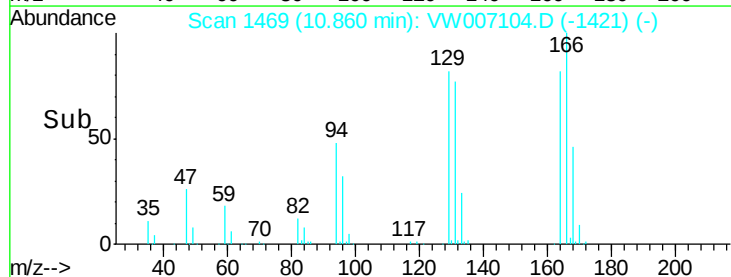
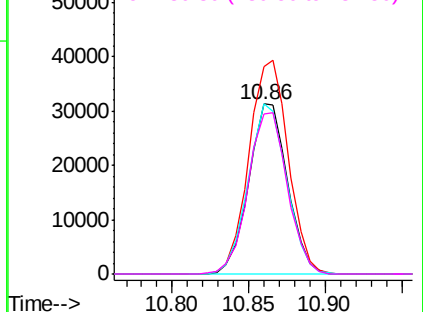


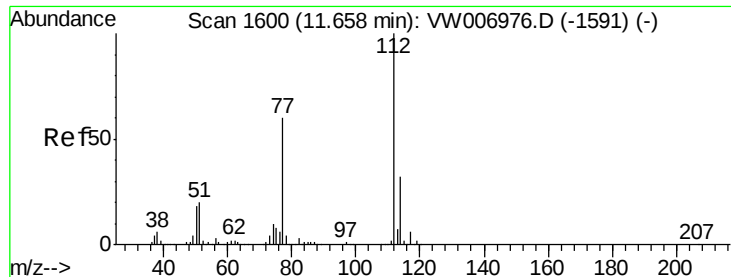
#64
Tetrachloroethene
Concen: 57.43 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion:164 Resp: 54983
Ion Ratio Lower Upper
164 100
166 121.9 102.1 153.1
129 99.9 80.4 120.6
131 93.8 75.2 112.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

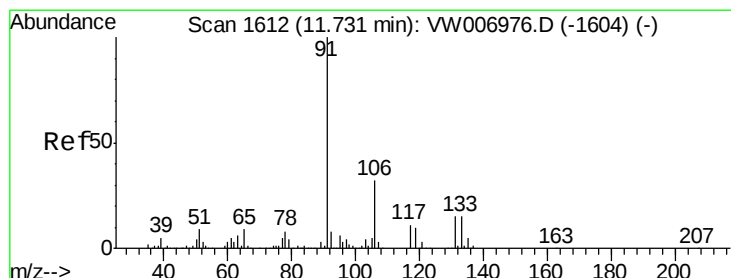
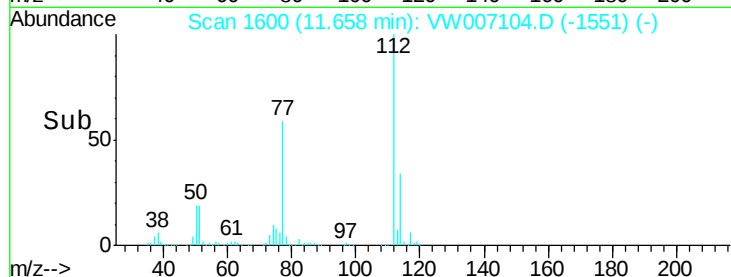
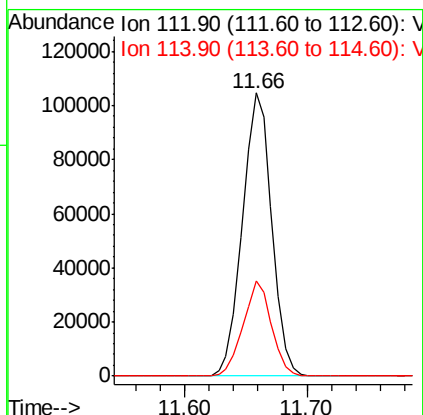
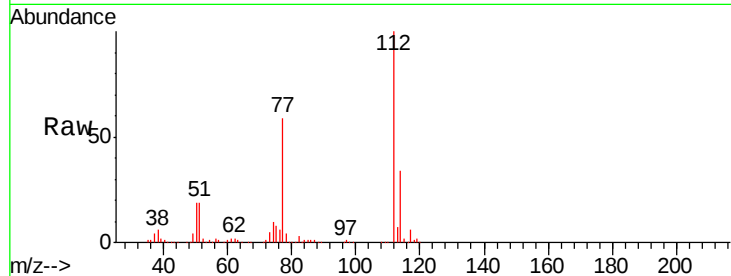




#65
Chlorobenzene
Concen: 55.89 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

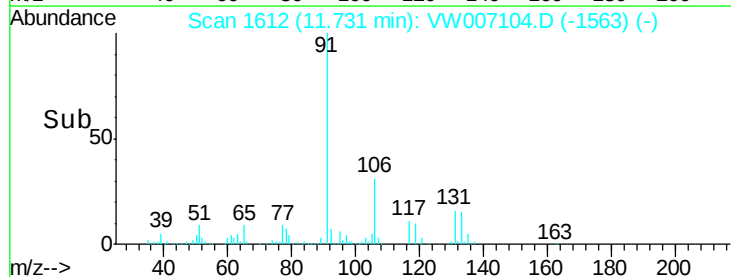
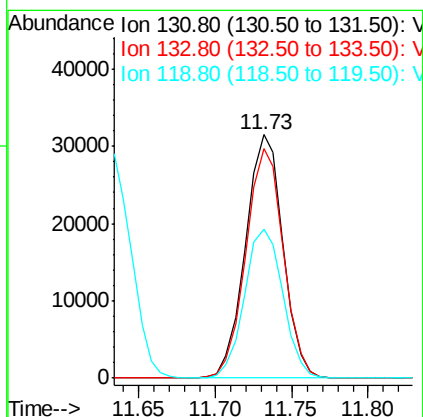
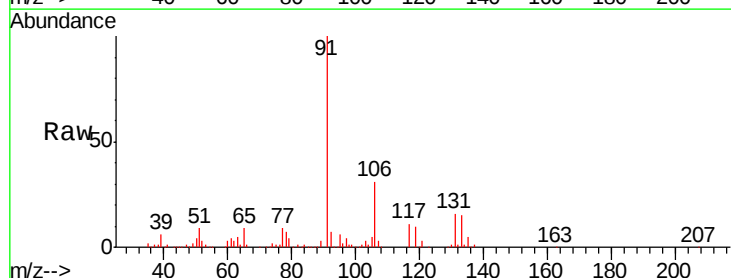
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

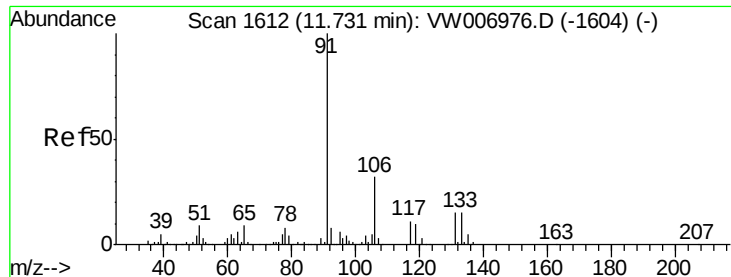
Tgt Ion:112 Resp: 173590
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.01 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion:131 Resp: 53568
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 63.0 31.8 95.3

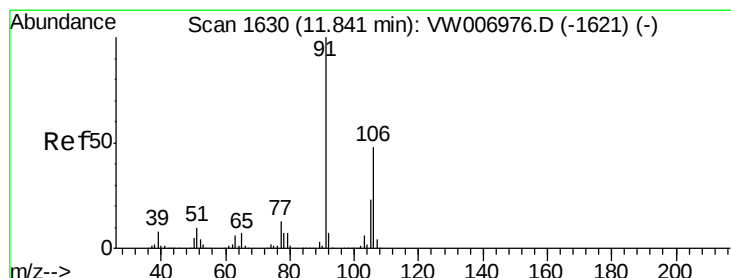
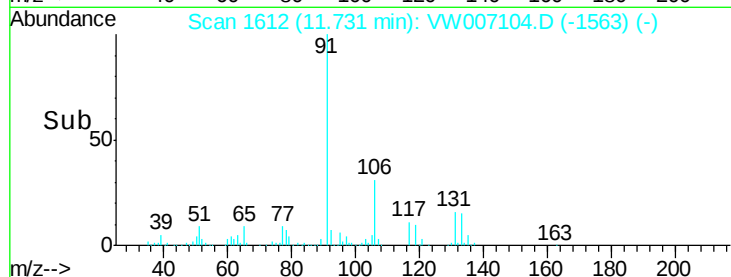
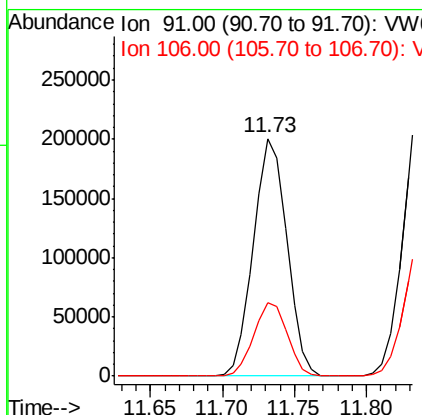
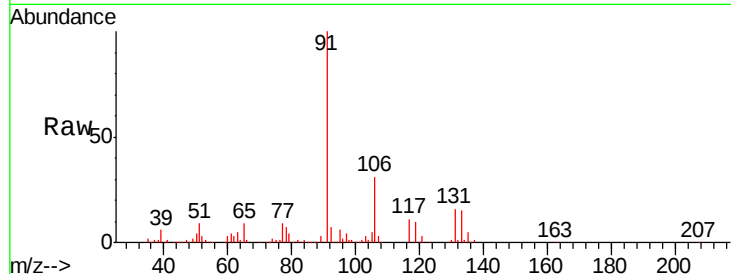




#67
Ethyl Benzene
Concen: 56.53 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

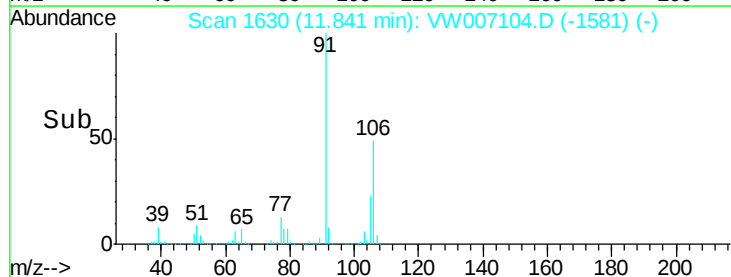
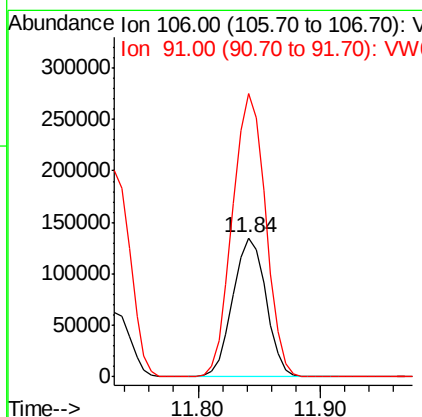
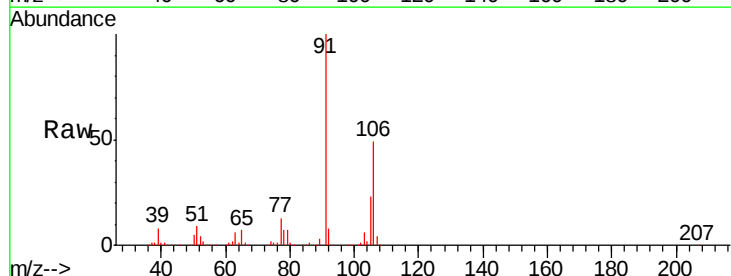
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

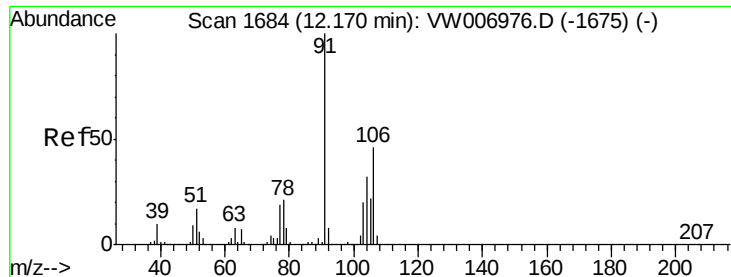
Tgt Ion: 91 Resp: 322552
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 113.36 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 106 Resp: 253751
Ion Ratio Lower Upper
106 100
91 204.0 164.8 247.2

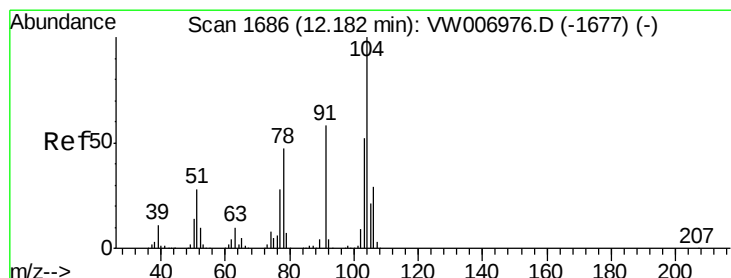
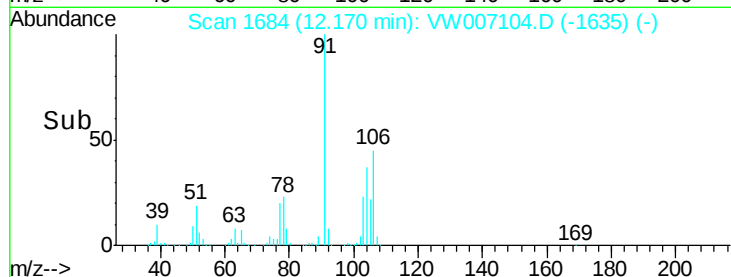
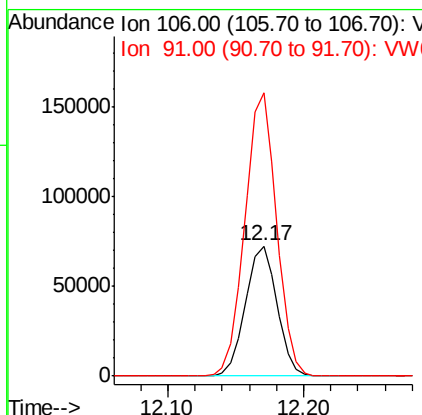
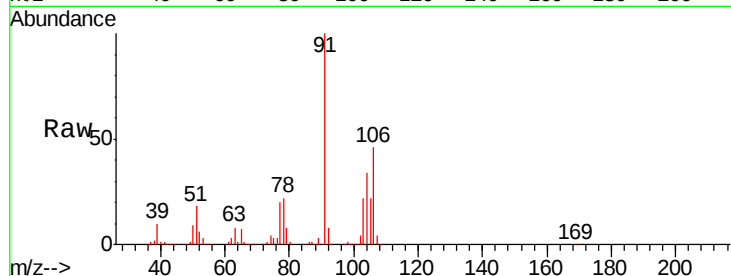




#69
o-Xylene
Concen: 56.13 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

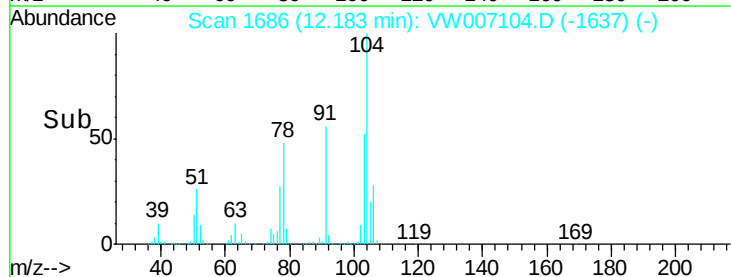
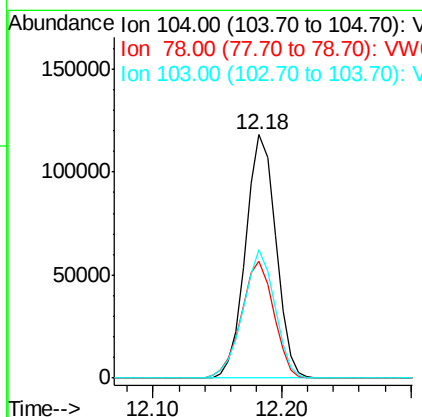
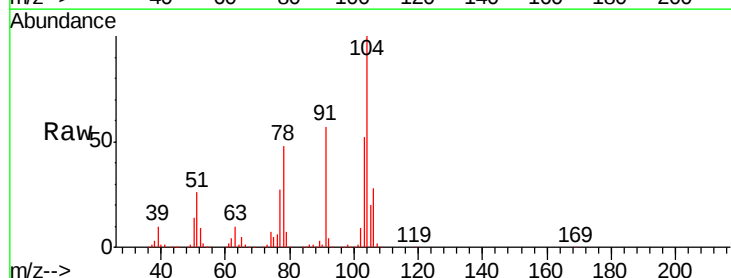
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

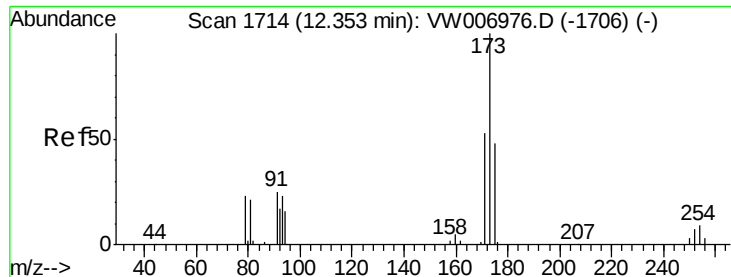
Tgt Ion:106 Resp: 118482
Ion Ratio Lower Upper
106 100
91 217.1 107.9 323.8



#70
Styrene
Concen: 57.01 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion:104 Resp: 191518
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 55.4 44.4 66.6





#71

Bromoform

Concen: 57.86 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

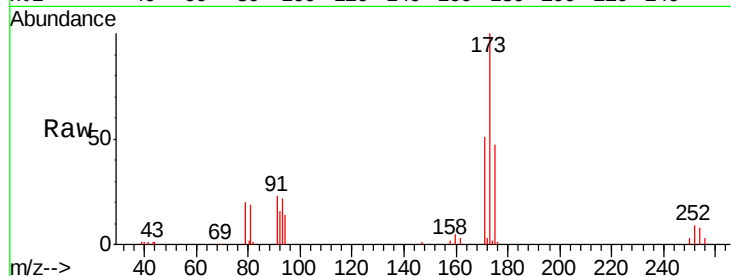
Tgt Ion:173 Resp: 25608

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

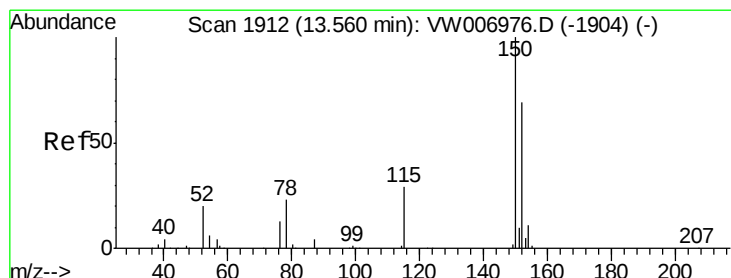
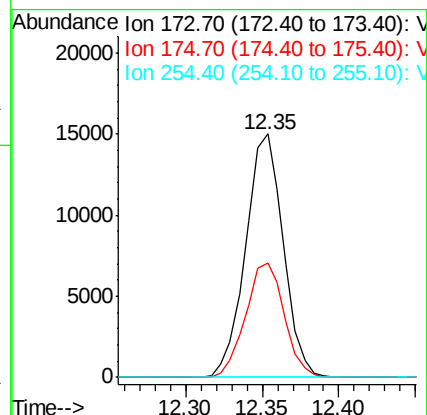
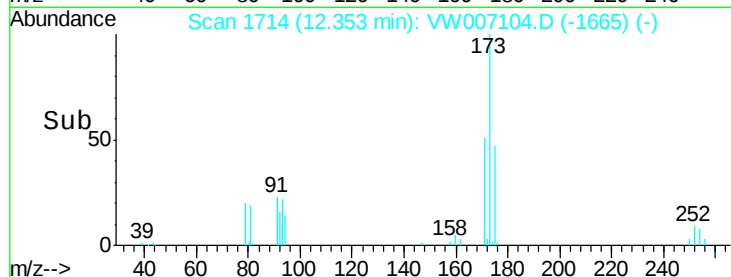
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

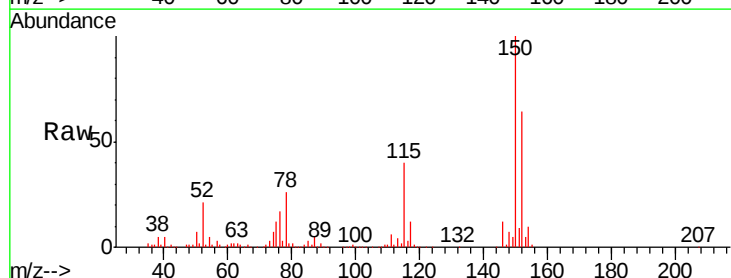
Tgt Ion:152 Resp: 76470

Ion Ratio Lower Upper

152 100

115 61.4 31.4 94.2

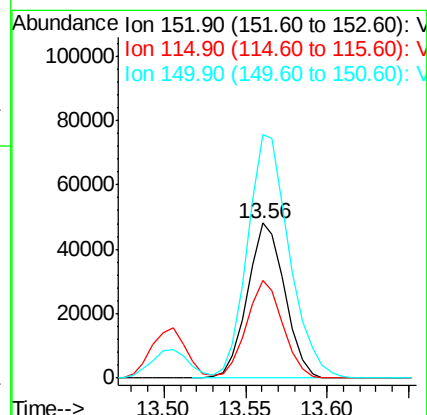
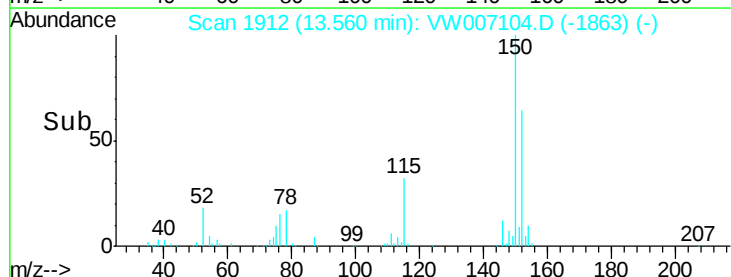
150 176.0 0.0 353.4

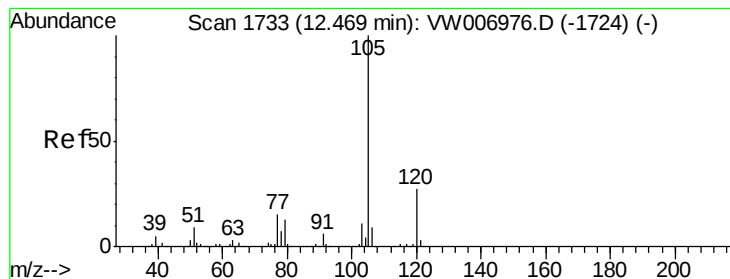


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.63 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

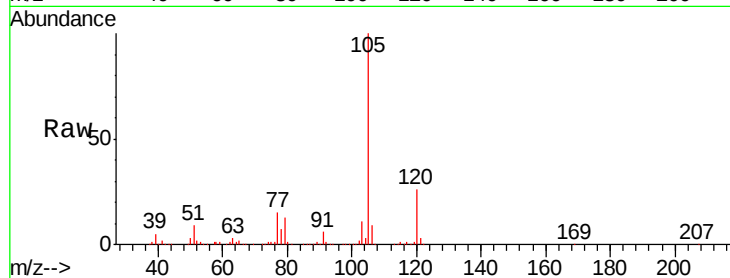
VSTDCCC050

Tgt Ion:105 Resp: 330607

Ion Ratio Lower Upper

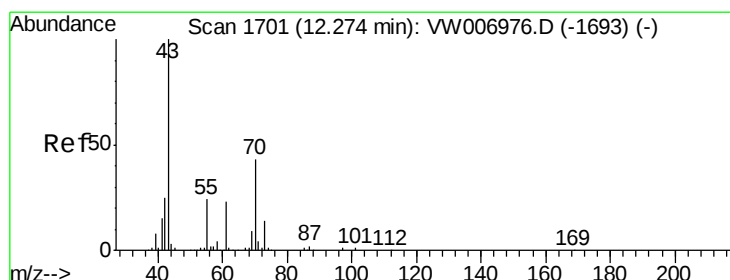
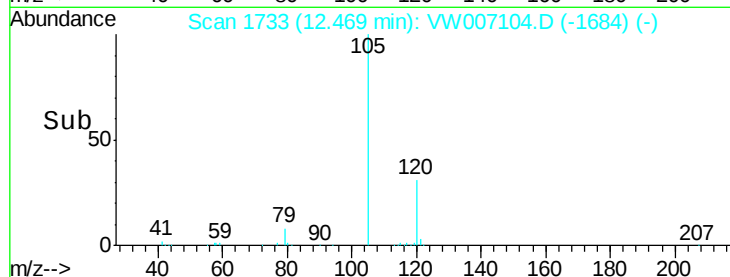
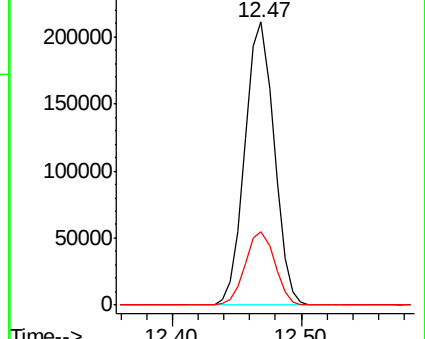
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.52 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion: 43 Resp: 57292

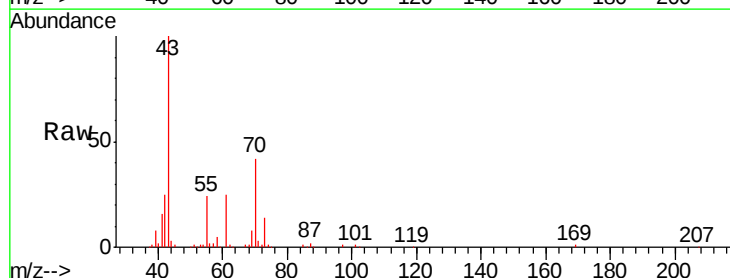
Ion Ratio Lower Upper

43 100

70 43.0 34.0 51.0

55 24.7 19.4 29.0

61 25.2 19.4 29.2

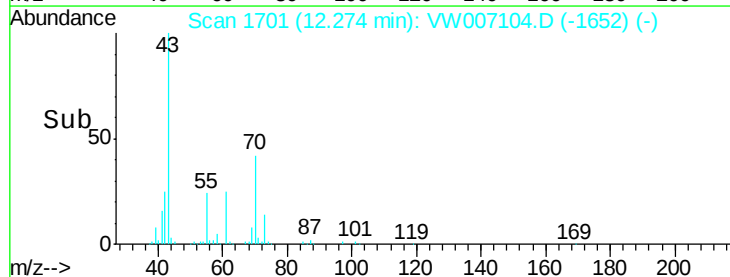
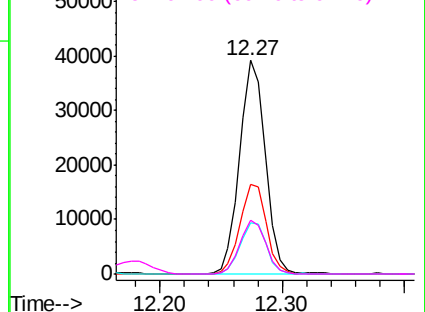


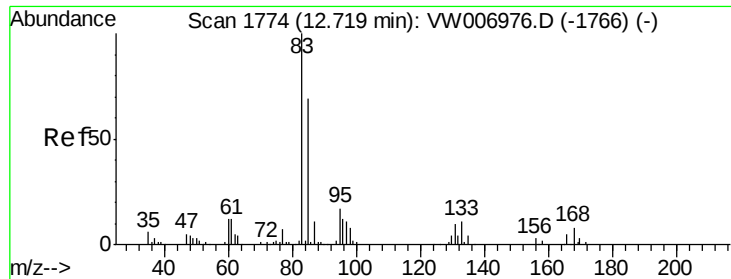
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.04 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

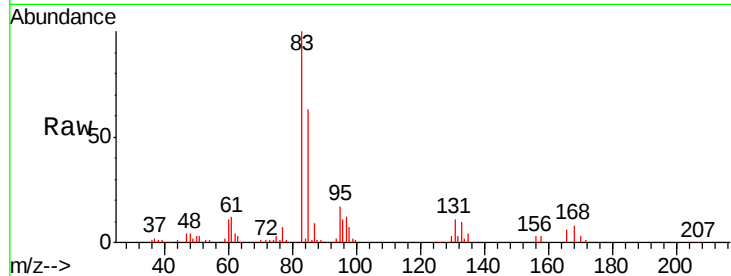
Tgt Ion: 83 Resp: 41163

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.1

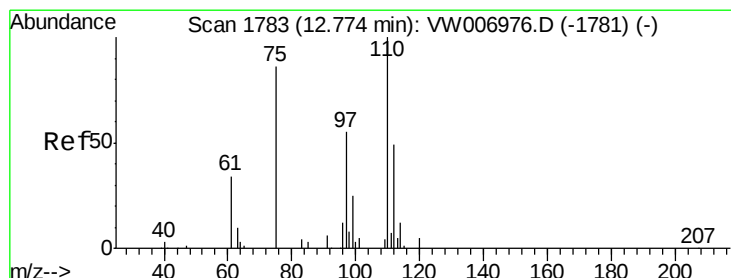
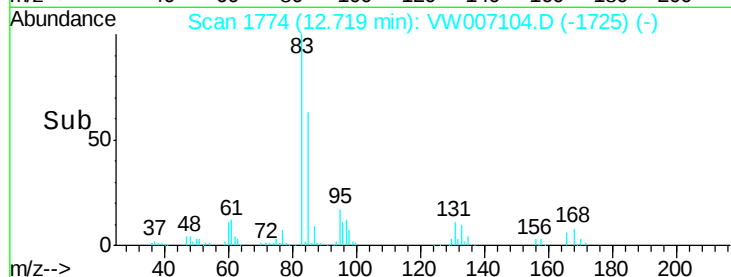
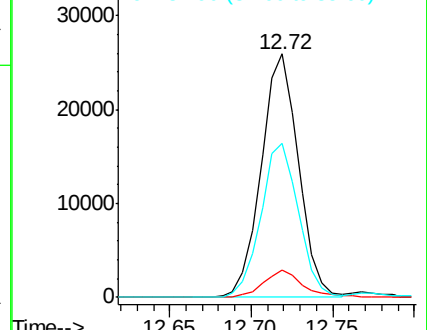
85 63.9 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.25 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007104.D

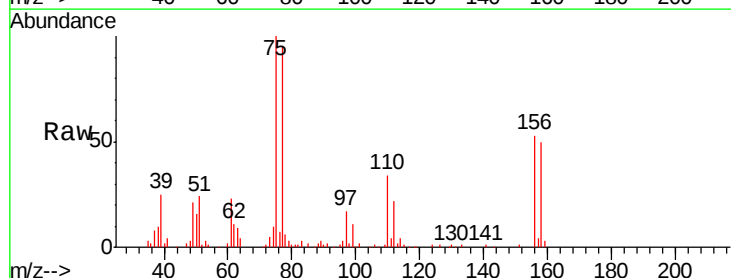
Acq: 28 Nov 2018 10:53

Tgt Ion: 75 Resp: 58439

Ion Ratio Lower Upper

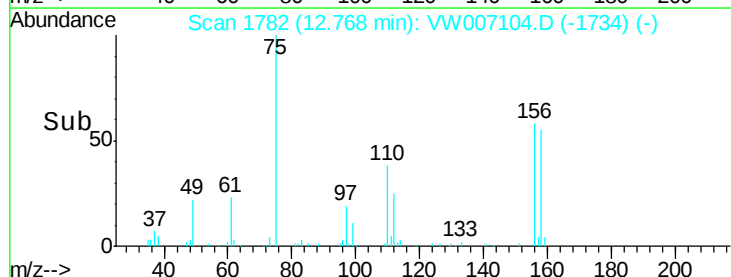
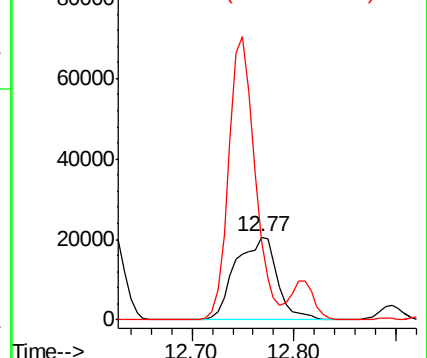
75 100

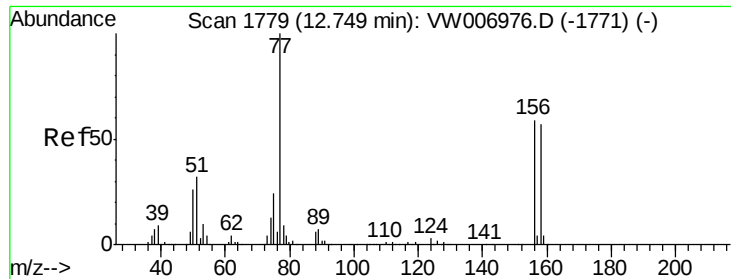
77 215.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.51 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

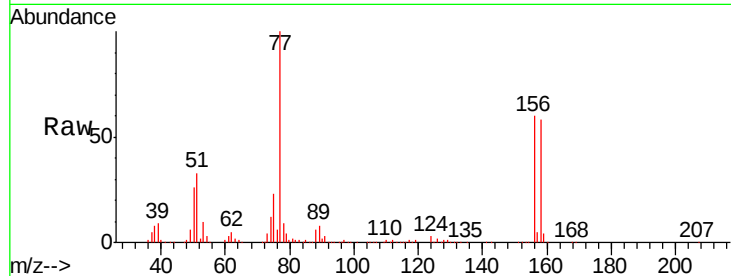
Tgt Ion:156 Resp: 69584

Ion Ratio Lower Upper

156 100

77 180.9 94.6 283.8

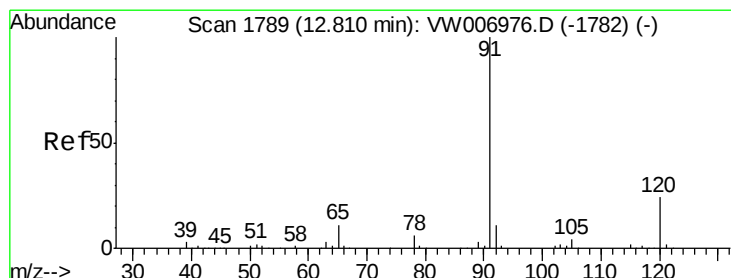
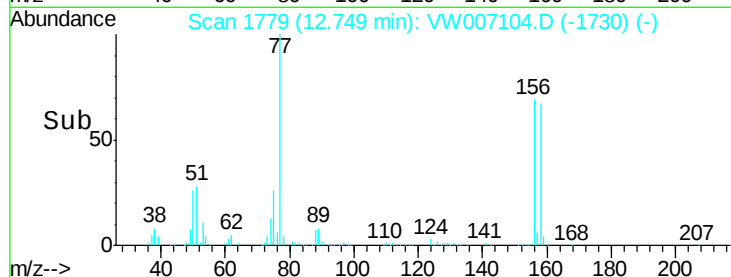
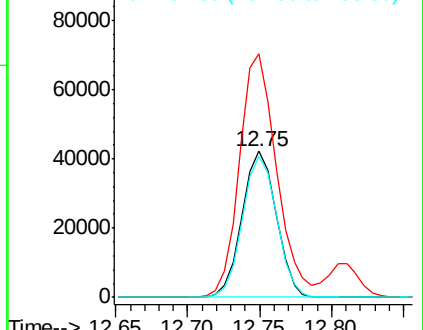
158 96.9 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.21 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007104.D

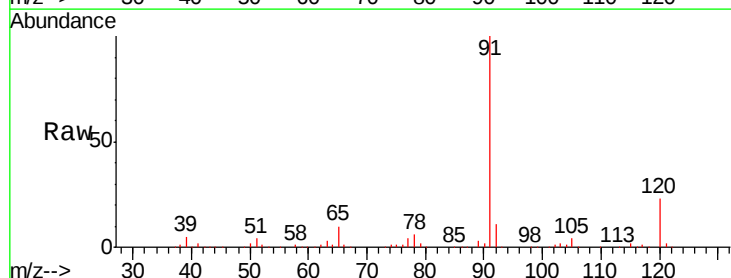
Acq: 28 Nov 2018 10:53

Tgt Ion: 91 Resp: 397432

Ion Ratio Lower Upper

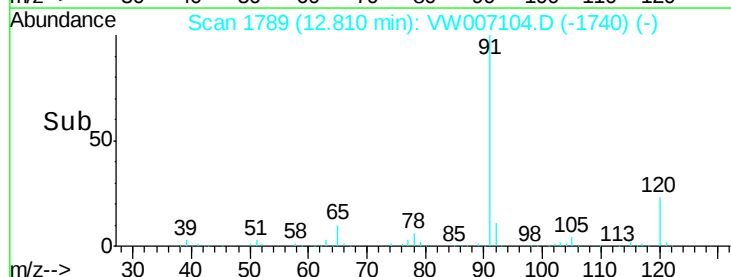
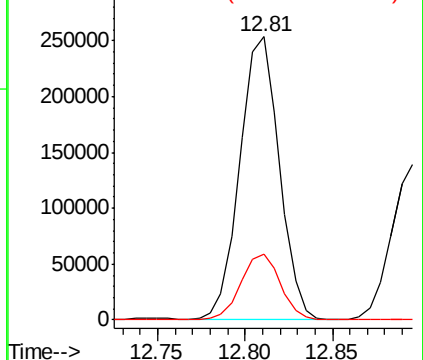
91 100

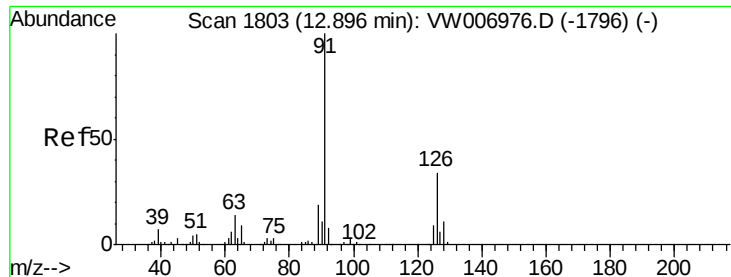
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.61 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

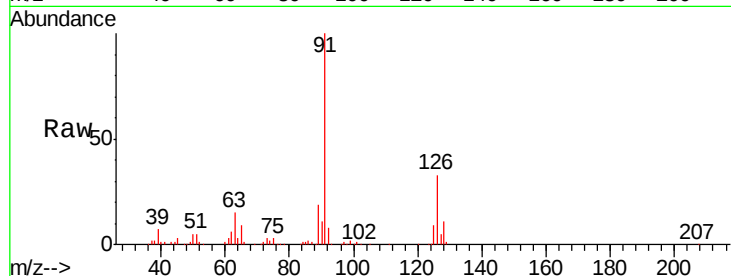
VSTDCCC050

Tgt Ion: 91 Resp: 222508

Ion Ratio Lower Upper

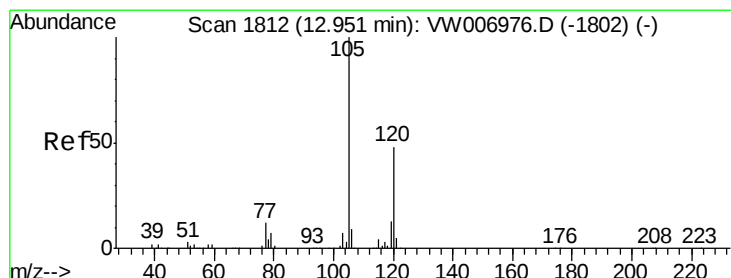
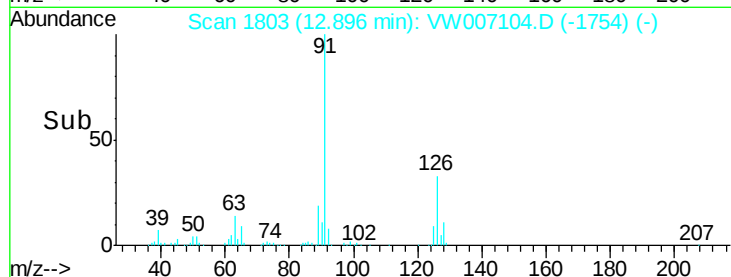
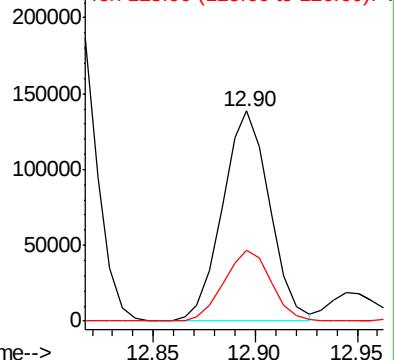
91 100

126 33.9 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.44 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007104.D

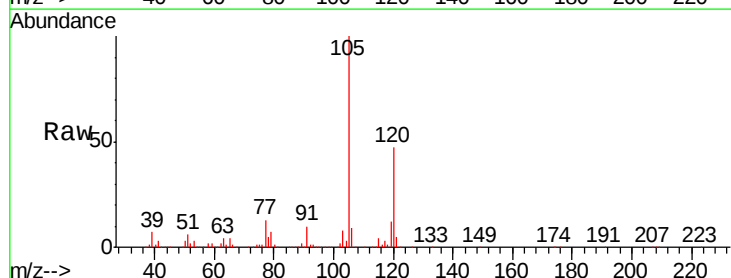
Acq: 28 Nov 2018 10:53

Tgt Ion: 105 Resp: 284922

Ion Ratio Lower Upper

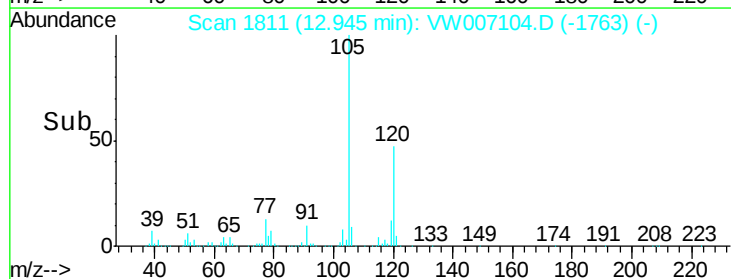
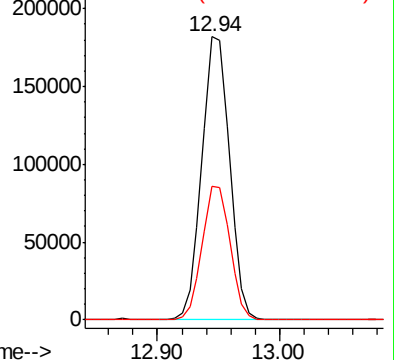
105 100

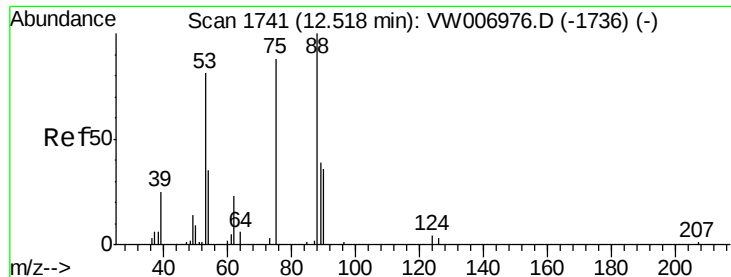
120 47.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.64 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

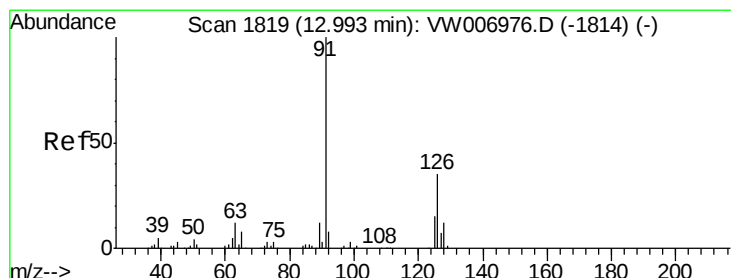
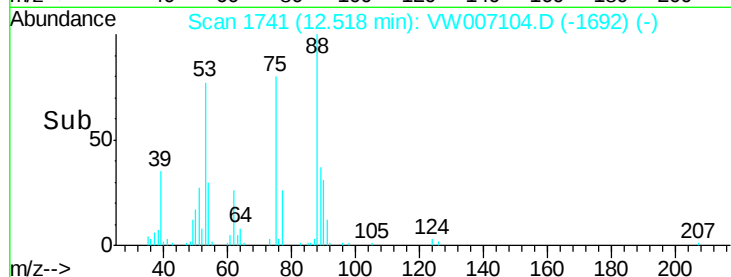
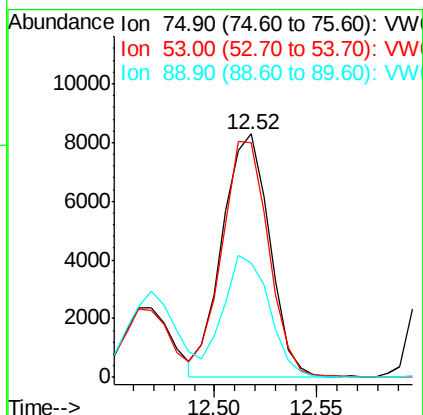
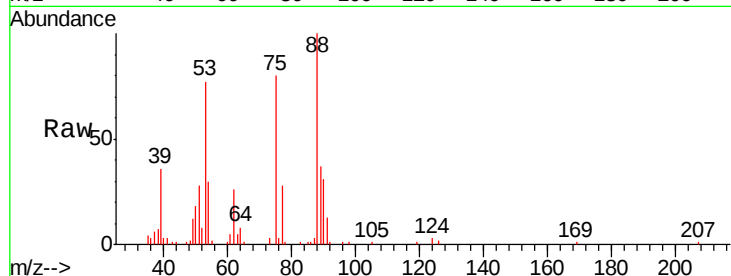
Tgt Ion: 75 Resp: 13317

Ion Ratio Lower Upper

75 100

53 95.9 77.6 116.4

89 48.4 39.3 58.9



#82

4-Chlorotoluene

Concen: 54.38 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007104.D

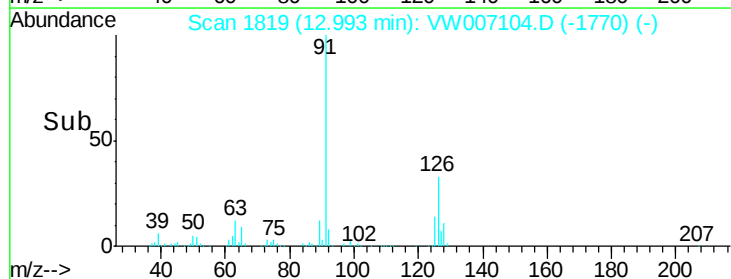
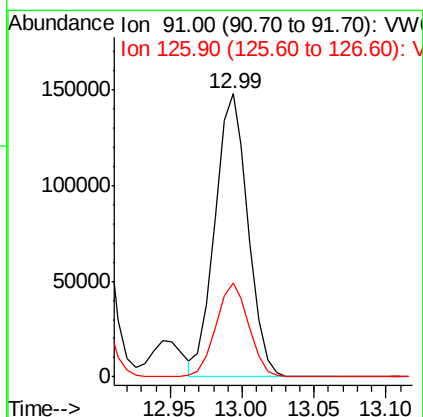
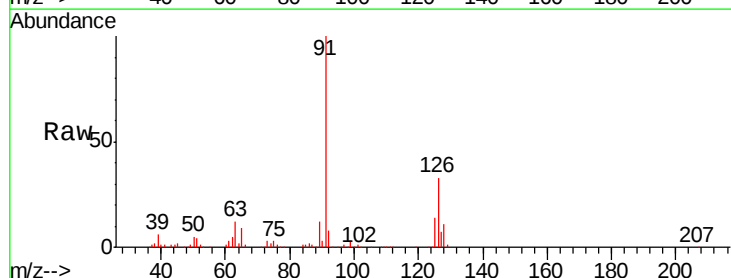
Acq: 28 Nov 2018 10:53

Tgt Ion: 91 Resp: 236887

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7

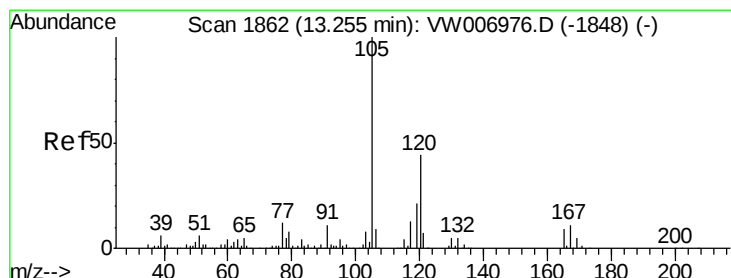
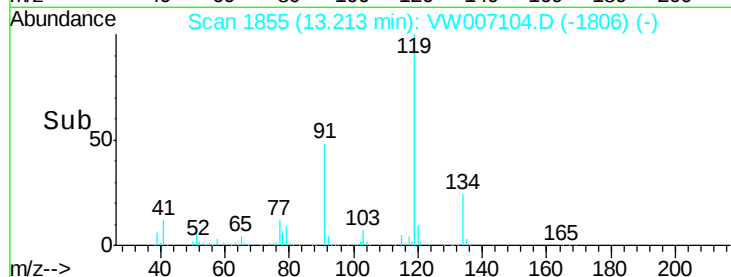
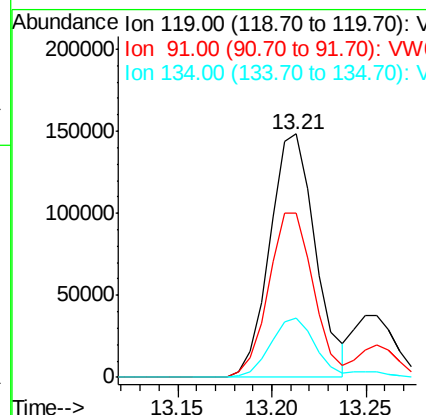
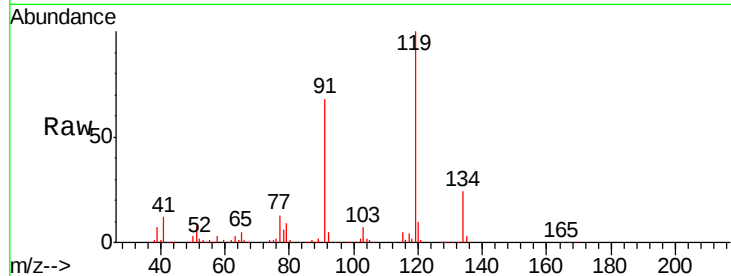




#83
 tert-Butylbenzene
 Concen: 55.97 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

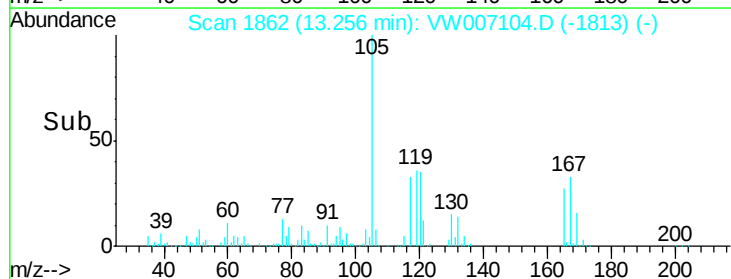
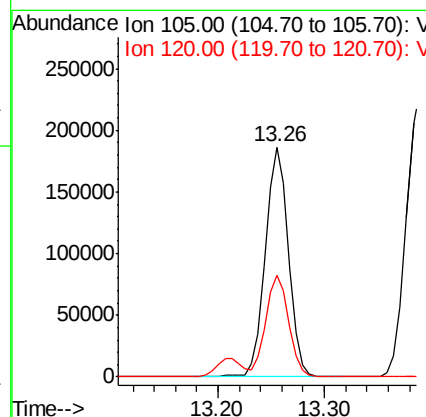
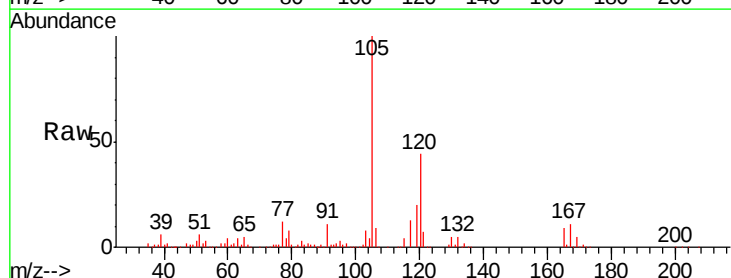
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

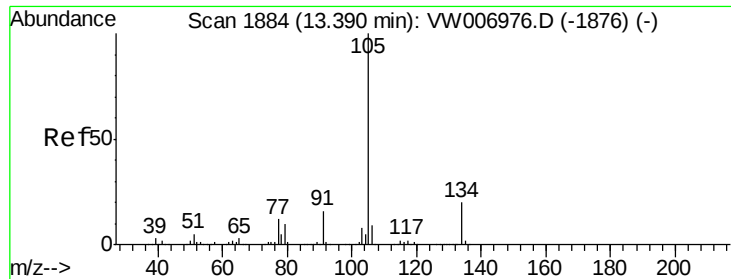
Tgt Ion:119 Resp: 249054
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.5 100.5
 134 25.5 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.36 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion:105 Resp: 283443
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 55.78 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

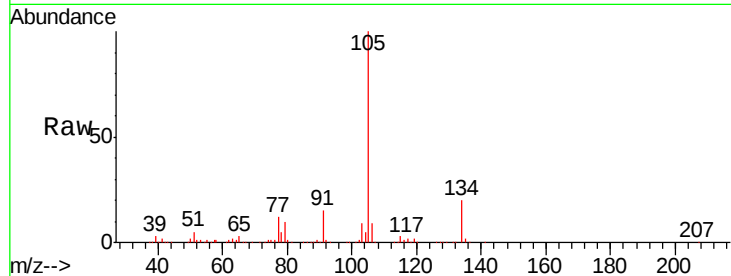
VSTDCCC050

Tgt Ion:105 Resp: 350623

Ion Ratio Lower Upper

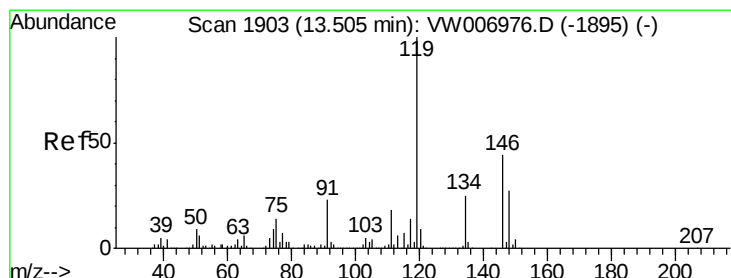
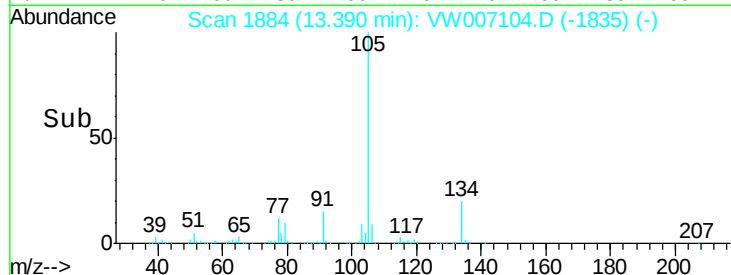
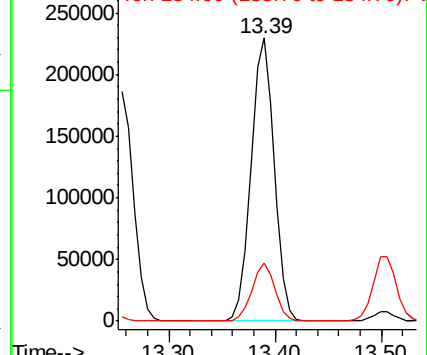
105 100

134 20.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.41 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

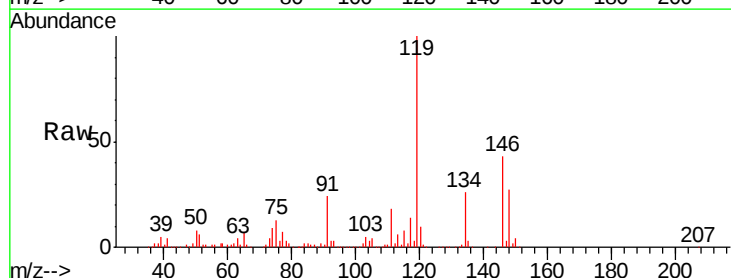
Tgt Ion:119 Resp: 312838

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

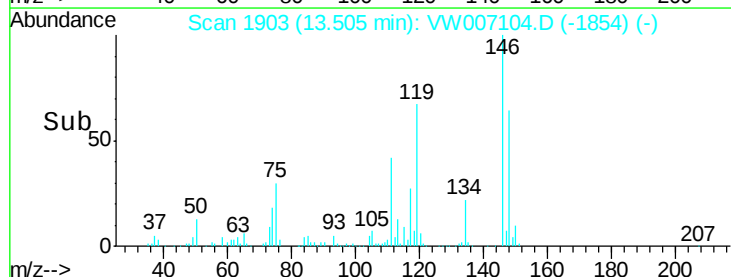
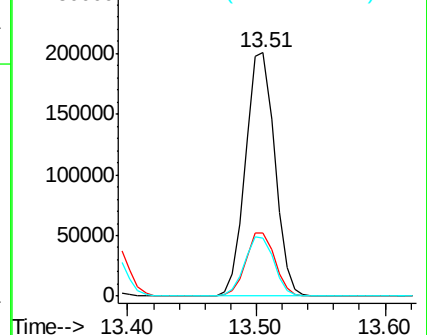
91 24.2 12.2 36.6

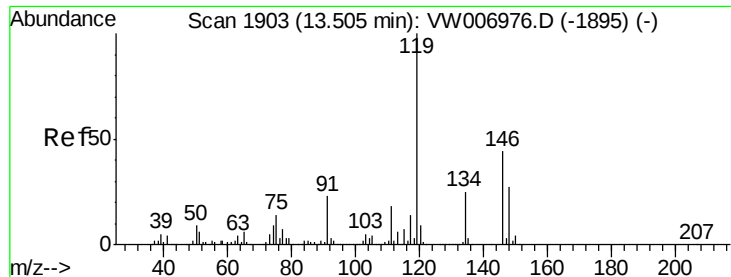


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

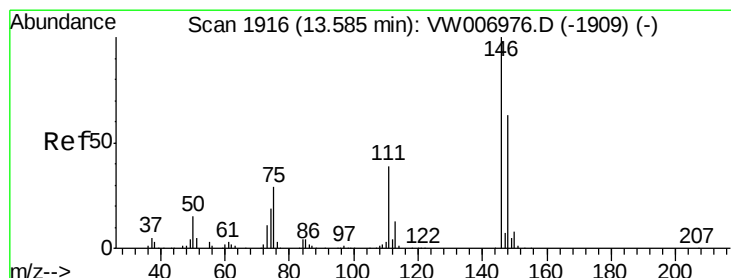
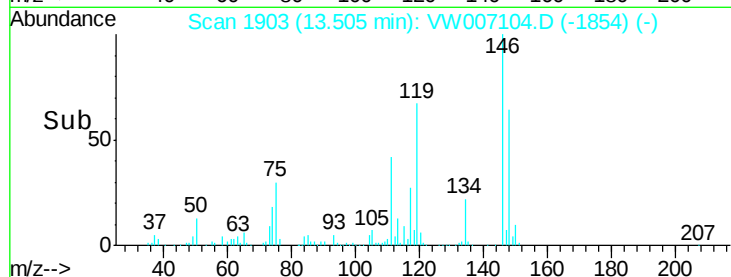
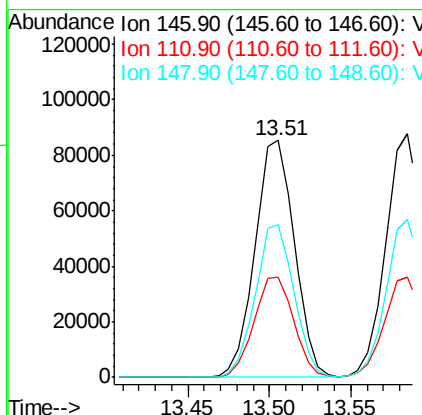
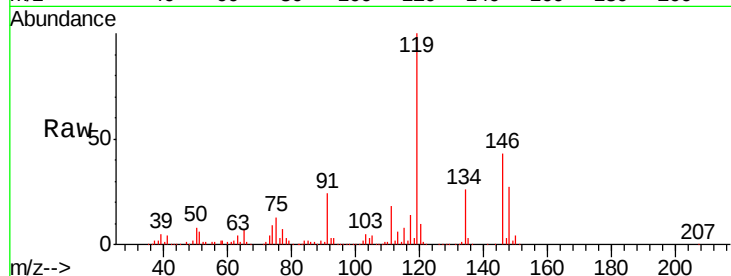




#87
 1,3-Dichlorobenzene
 Concen: 54.88 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

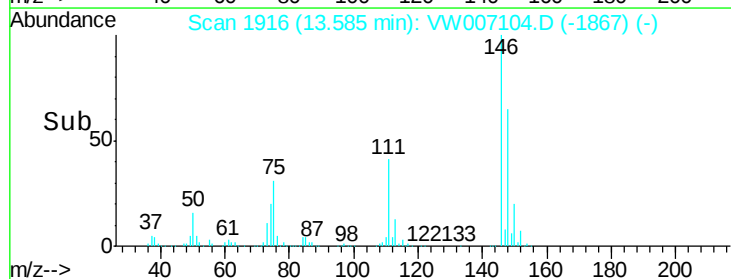
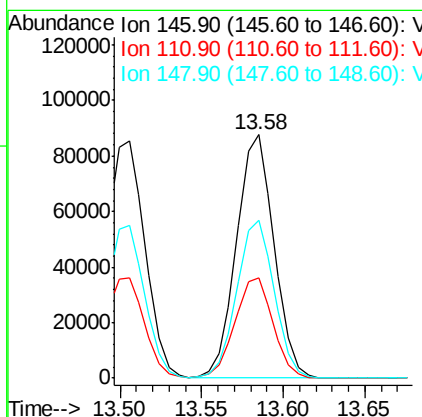
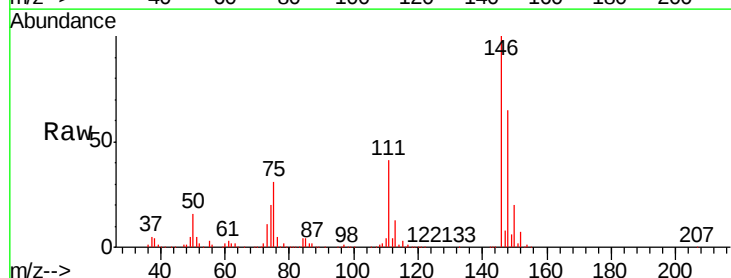
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

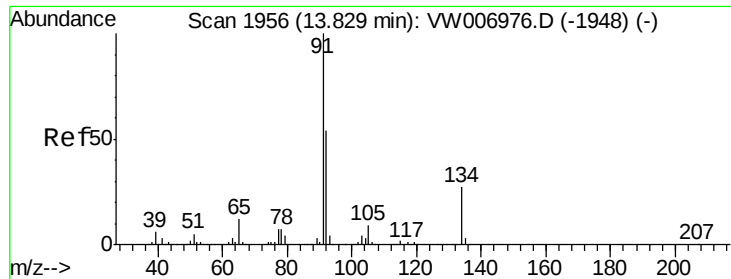
Tgt Ion:146 Resp: 143011
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.1 63.3
 148 63.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 54.09 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion:146 Resp: 140544
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.8
 148 64.7 32.3 96.8





#89

n-Butylbenzene

Concen: 56.71 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

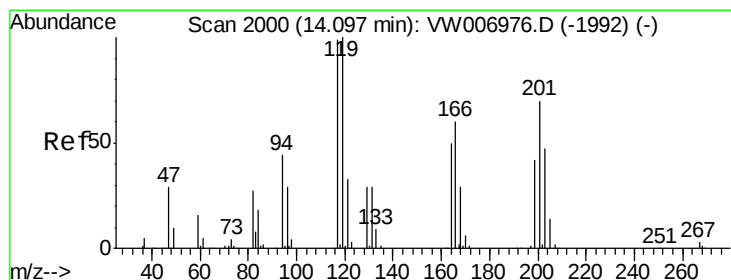
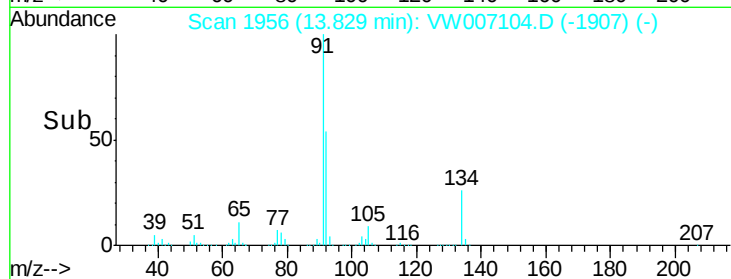
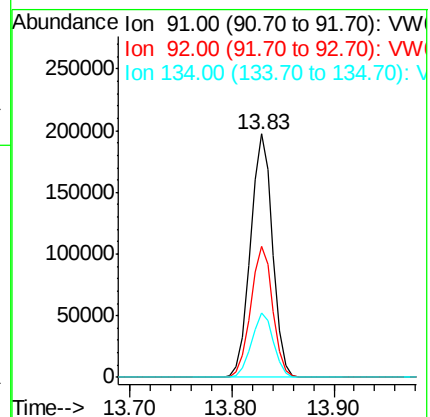
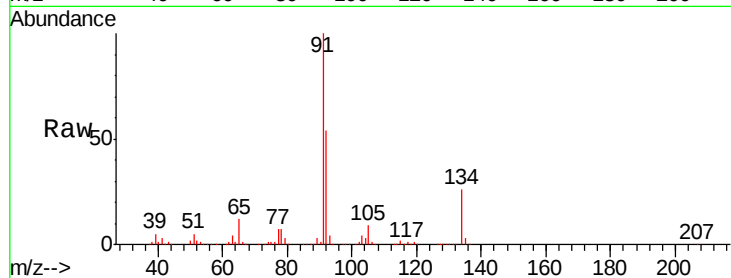
Tgt Ion: 91 Resp: 295966

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

134 26.4 13.3 39.8



#90

Hexachloroethane

Concen: 58.34 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007104.D

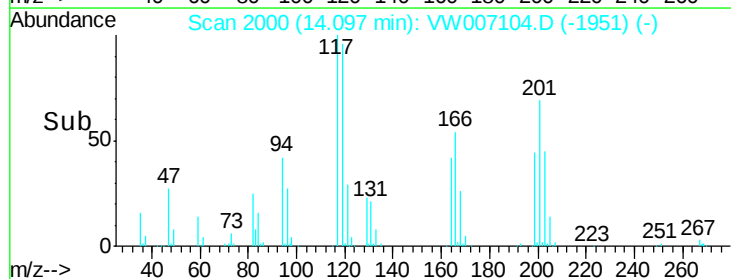
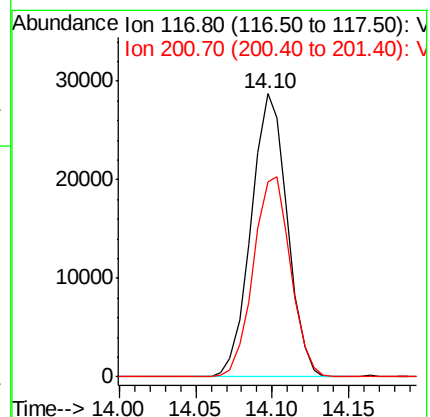
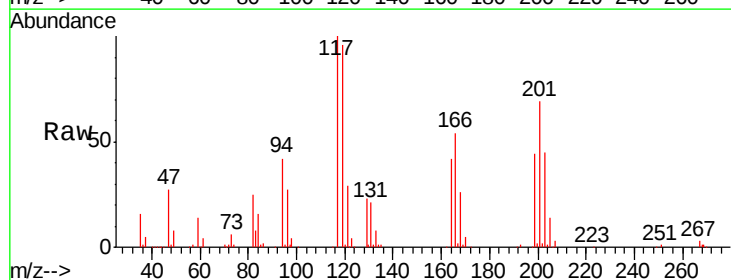
Acq: 28 Nov 2018 10:53

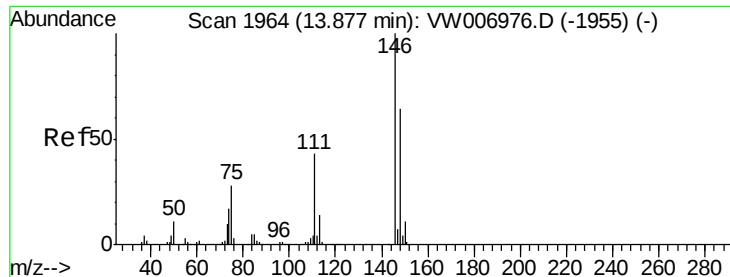
Tgt Ion: 117 Resp: 47235

Ion Ratio Lower Upper

117 100

201 72.7 35.9 107.5

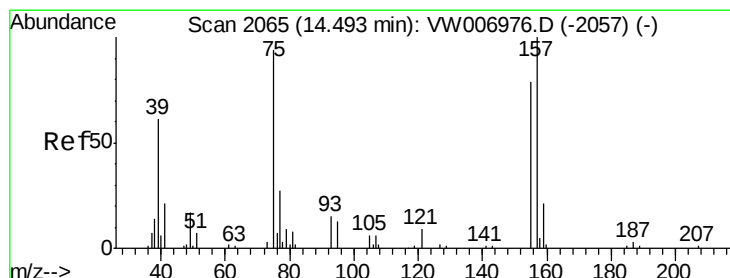
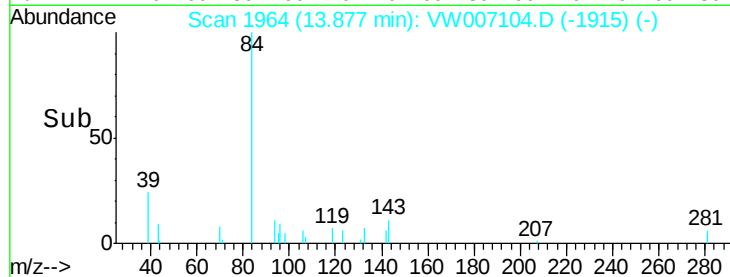
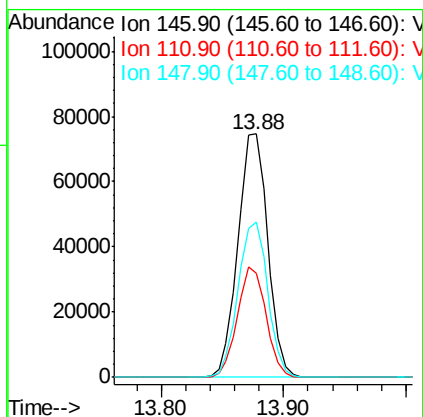
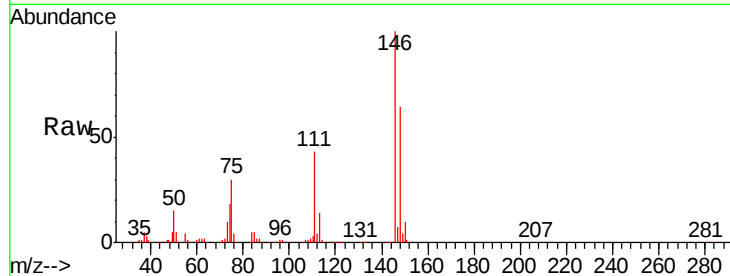




#91
 1,2-Dichlorobenzene
 Concen: 55.25 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

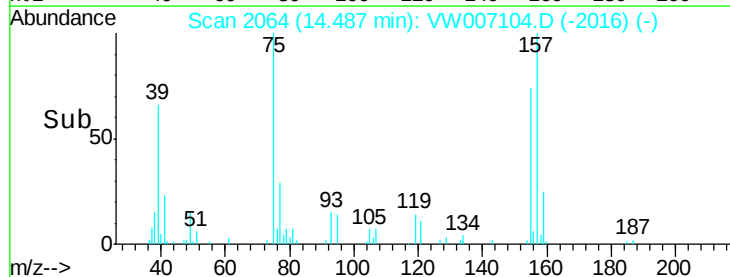
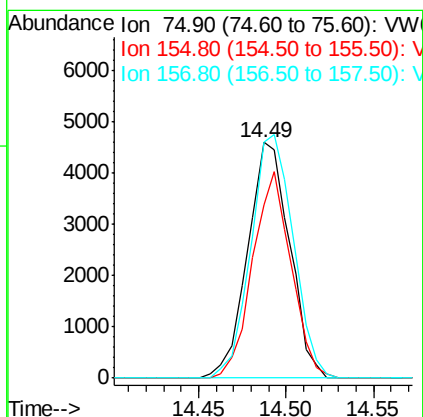
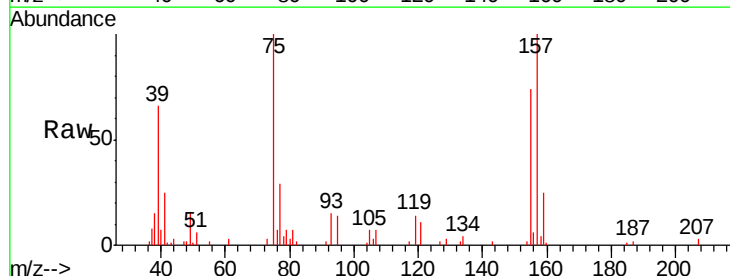
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

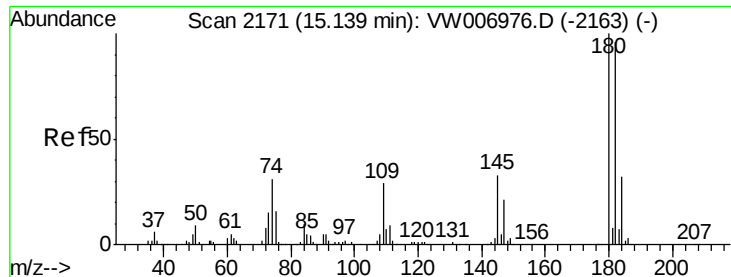
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.7
148	63.6	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.36 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	42.6	127.8
157	104.7	55.0	165.0

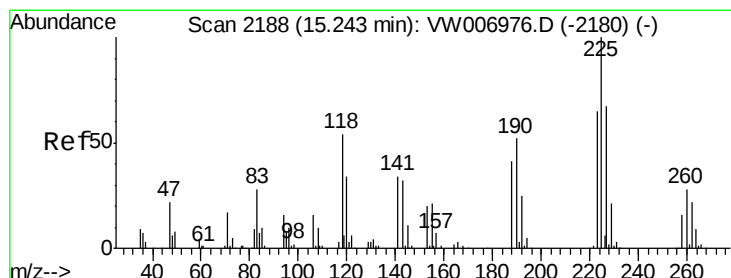
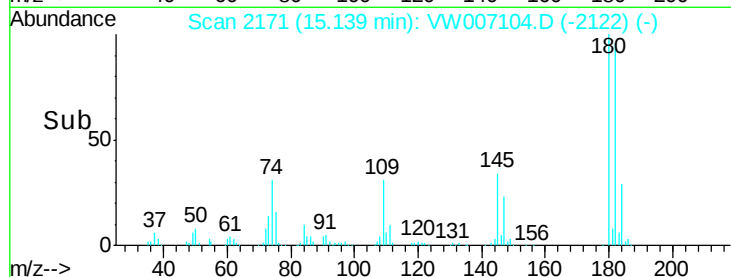
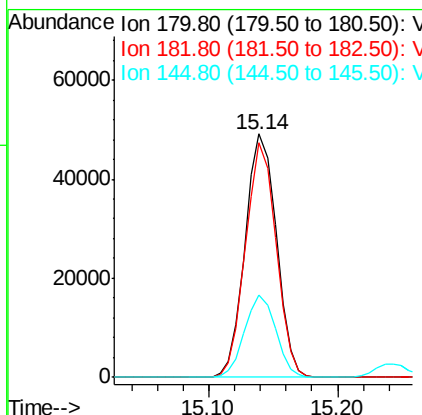
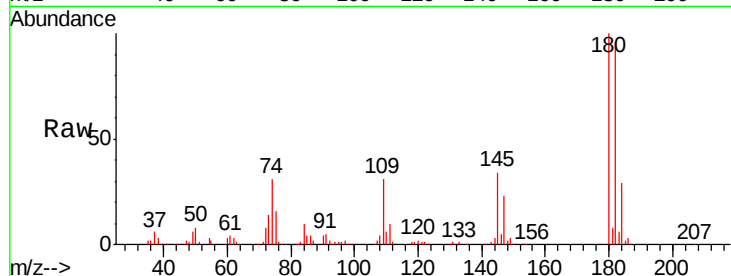




#93
 1,2,4-Trichlorobenzene
 Concen: 54.78 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

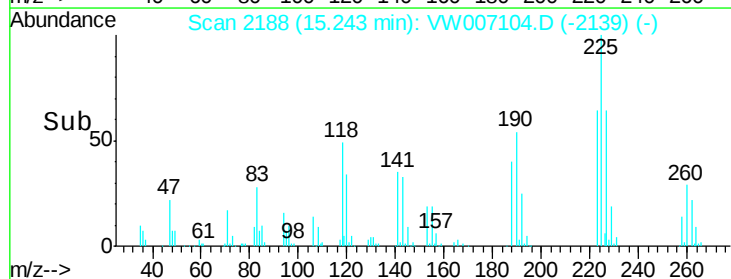
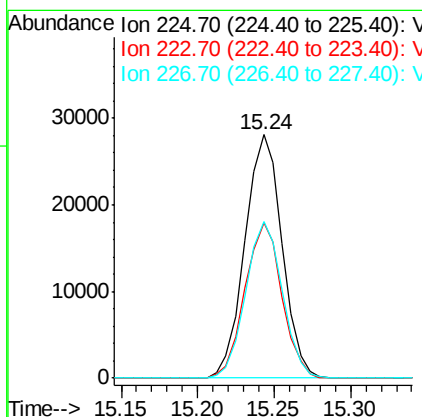
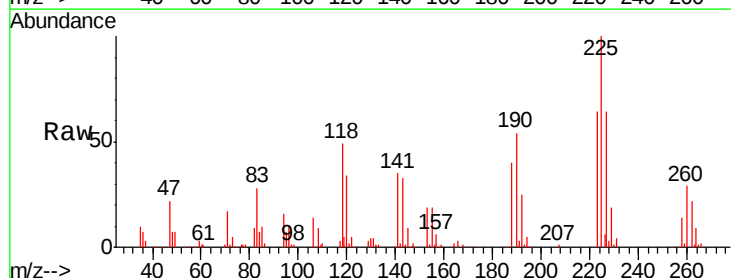
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

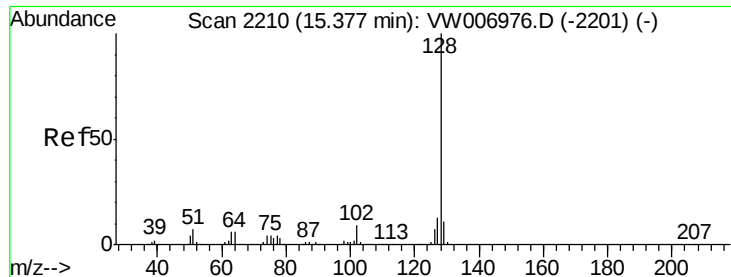
Tgt Ion:180 Resp: 82477
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.3
 145 33.7 16.5 49.5



#94
 Hexachlorobutadiene
 Concen: 57.97 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion:225 Resp: 47451
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.4 97.0
 227 63.3 31.9 95.5

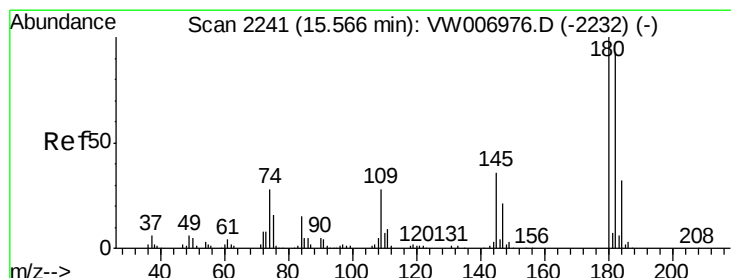
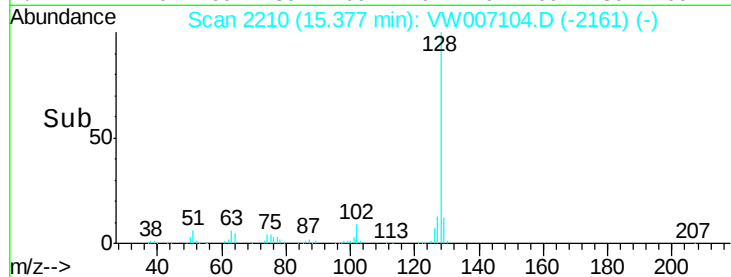
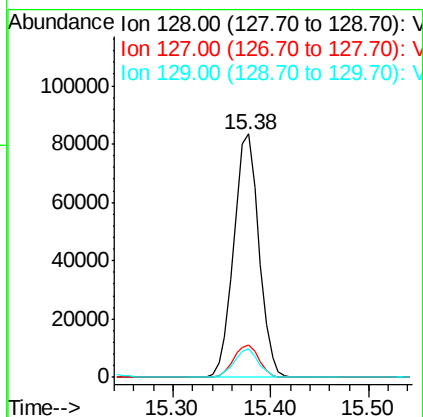
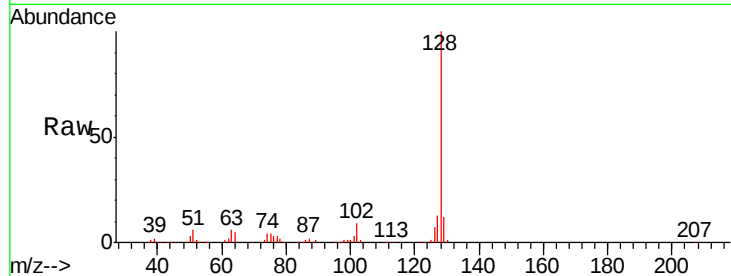




#95
Naphthalene
Concen: 54.62 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 149296
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.44 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion:180 Resp: 68002
Ion Ratio Lower Upper
180 100
182 94.4 47.0 141.2
145 35.9 18.0 54.0

