

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112818\
 Data File : VW007107.D
 Acq On : 28 Nov 2018 12:35
 Operator : VAY/AP
 Sample : VW1128SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

Quant Time: Nov 28 16:26:03 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	105499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	161442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53481	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.88	113	48148	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.32	98	208719	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.62	95	82925	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	26396	25.34	ug/l	98
3) Chloromethane	2.21	50	19795	22.80	ug/l	99
4) Vinyl Chloride	2.36	62	19788	23.17	ug/l	96
5) Bromomethane	2.78	94	10789	23.67	ug/l	98
6) Chloroethane	2.92	64	10933	23.22	ug/l	97
7) Trichlorofluoromethane	3.26	101	39229	23.36	ug/l	98
8) Diethyl Ether	3.69	74	12374	22.87	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26103	23.97	ug/l	98
10) Methyl Iodide	4.28	142	24976	20.04	ug/l	98
11) Tert butyl alcohol	5.22	59	8411	125.09	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	21701	22.73	ug/l	96
13) Acrolein	3.91	56	6679	96.73	ug/l	98
14) Allyl chloride	4.68	41	35244	22.25	ug/l	99
15) Acrylonitrile	5.38	53	22313	109.71	ug/l	100
16) Acetone	4.14	43	16440	109.63	ug/l	100
17) Carbon Disulfide	4.39	76	67536	21.88	ug/l	97
18) Methyl Acetate	4.68	43	11175	20.93	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	58357	23.40	ug/l	98
20) Methylene Chloride	4.92	84	27725	19.95	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	25107	22.57	ug/l	96
22) Diisopropyl ether	6.32	45	69058	22.40	ug/l	96
23) Vinyl Acetate	6.26	43	194458	118.78	ug/l	99
24) 1,1-Dichloroethane	6.22	63	41446	22.10	ug/l	99
25) 2-Butanone	7.18	43	28563	111.21	ug/l	96
26) 2,2-Dichloropropane	7.17	77	41595	24.66	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	26892	22.70	ug/l	99
28) Bromochloromethane	7.51	49	13475	19.22	ug/l	99
29) Tetrahydrofuran	7.54	42	17938	107.84	ug/l	99
30) Chloroform	7.68	83	43676	21.92	ug/l	100
31) Cyclohexane	7.96	56	46116	23.18	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	43642	24.32	ug/l	100
36) 1,1-Dichloropropene	8.09	75	38693	24.53	ug/l	100
37) Ethyl Acetate	7.26	43	13598	23.79	ug/l	99
38) Carbon Tetrachloride	8.07	117	38522	25.50	ug/l	95

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 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBSD01

Quant Time: Nov 28 16:26:03 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)
39) Methylcyclohexane	9.34	83	46237	23.42	ug/l	94
40) Benzene	8.33	78	99738	23.42	ug/l	100
41) Methacrylonitrile	7.49	41	8616	24.27	ug/l	94
42) 1,2-Dichloroethane	8.40	62	28569	23.11	ug/l	100
43) Isopropyl Acetate	8.43	43	25401	23.32	ug/l	98
44) Trichloroethene	9.10	130	28748	24.08	ug/l	92
45) 1,2-Dichloropropane	9.37	63	24805	23.63	ug/l	100
46) Dibromomethane	9.46	93	11981	22.79	ug/l	97
47) Bromodichloromethane	9.65	83	33357	24.08	ug/l	99
48) Methyl methacrylate	9.44	41	11754	22.38	ug/l	98
49) 1,4-Dioxane	9.48	88	3358	429.76	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	61034	110.86	ug/l	100
52) Toluene	10.39	92	68117	23.50	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	32023	23.87	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	38652	23.84	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	17589	22.74	ug/l	99
56) Ethyl methacrylate	10.65	69	21029	23.42	ug/l	95
57) 1,3-Dichloropropane	10.93	76	30047	23.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	52140	111.14	ug/l	100
59) 2-Hexanone	10.97	43	43064	114.22	ug/l	99
60) Dibromochloromethane	11.13	129	21234	24.09	ug/l	99
61) 1,2-Dibromoethane	11.24	107	16603	23.47	ug/l	98
64) Tetrachloroethene	10.87	164	23164	23.77	ug/l	96
65) Chlorobenzene	11.66	112	74421	23.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	22822	23.86	ug/l	98
67) Ethyl Benzene	11.73	91	135986	23.42	ug/l	98
68) m/p-Xylenes	11.84	106	107607	47.23	ug/l	100
69) o-Xylene	12.17	106	49874	23.21	ug/l	99
70) Styrene	12.18	104	79663	23.30	ug/l	100
71) Bromoform	12.35	173	11141	24.73	ug/l #	97
73) Isopropylbenzene	12.47	105	139454	23.48	ug/l	100
74) N-amyl acetate	12.27	43	23916	24.02	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	17905	22.65	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	25212	41.98	ug/l #	100
77) Bromobenzene	12.75	156	29813	23.37	ug/l	95
78) n-propylbenzene	12.81	91	165614	23.02	ug/l	100
79) 2-Chlorotoluene	12.90	91	96350	23.22	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	118318	23.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5349	22.36	ug/l	95
82) 4-Chlorotoluene	12.99	91	99351	22.82	ug/l	99
83) tert-Butylbenzene	13.21	119	103286	23.22	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	118697	23.19	ug/l	99
85) sec-Butylbenzene	13.39	105	147536	23.48	ug/l	99
86) p-Isopropyltoluene	13.51	119	128894	23.25	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	61194	23.49	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	61051	23.51	ug/l	100
89) n-Butylbenzene	13.83	91	121619	23.32	ug/l	99
90) Hexachloroethane	14.10	117	18996	23.47	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	52917	23.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2885	21.61	ug/l	96

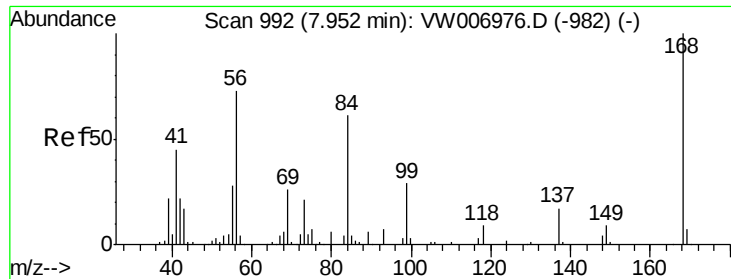
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112818\
Data File : VW007107.D
Acq On : 28 Nov 2018 12:35
Operator : VAY/AP
Sample : VW1128SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1128SBSD01

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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)
93) 1,2,4-Trichlorobenzene	15.14	180	34821	23.14	ug/l	99
94) Hexachlorobutadiene	15.24	225	19658	24.03	ug/l	98
95) Naphthalene	15.38	128	61489	22.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	28328	22.69	ug/l	98

(#) = 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: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

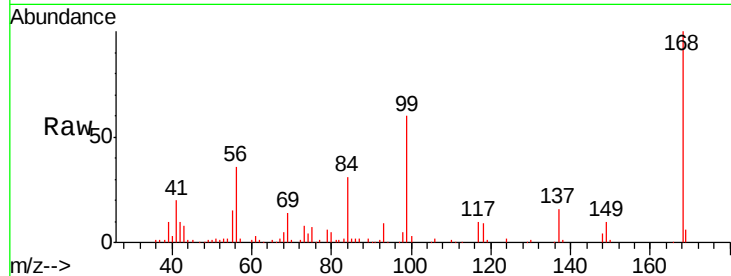
VW1128SBS01

Tgt Ion:168 Resp: 105499

Ion Ratio Lower Upper

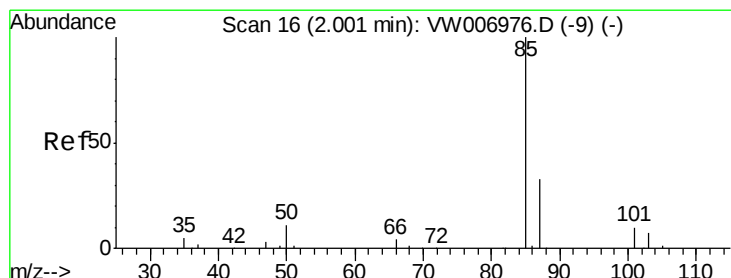
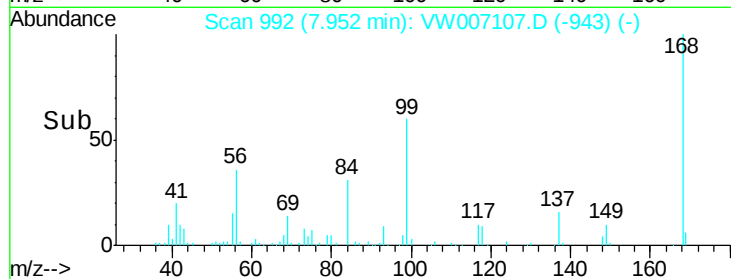
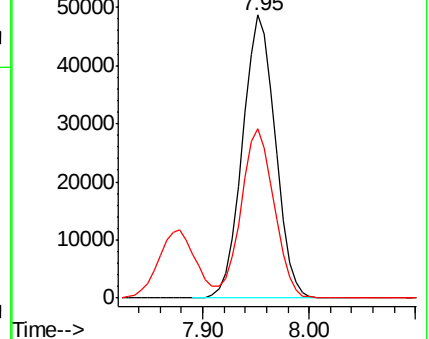
168 100

99 59.9 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: 25.34 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007107.D

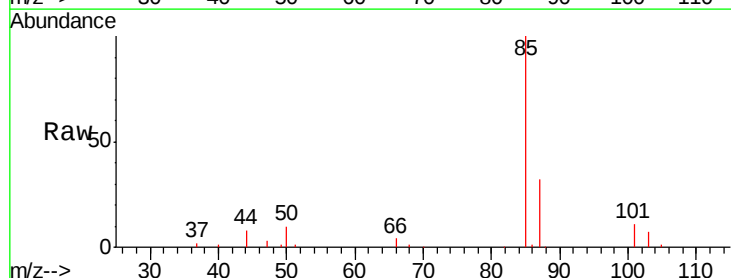
Acq: 28 Nov 2018 12:35

Tgt Ion: 85 Resp: 26396

Ion Ratio Lower Upper

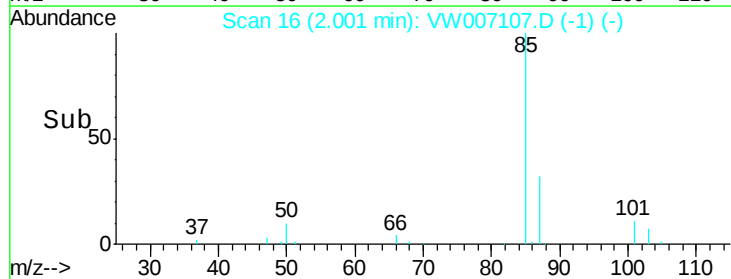
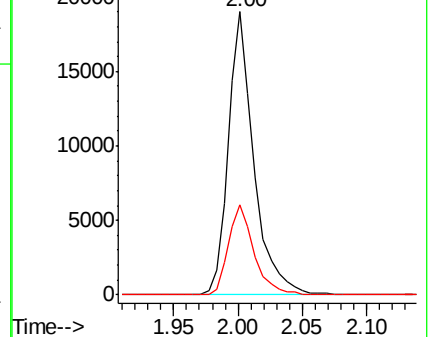
85 100

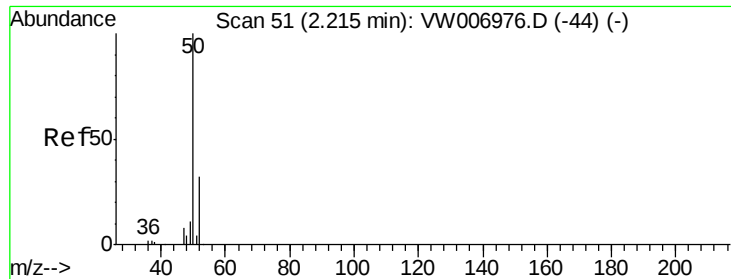
87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.80 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

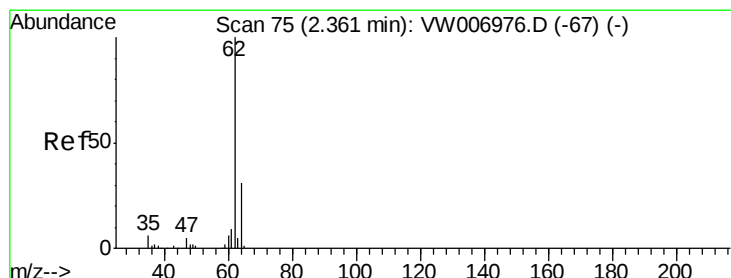
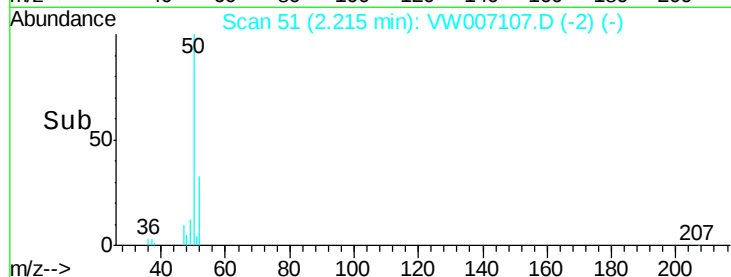
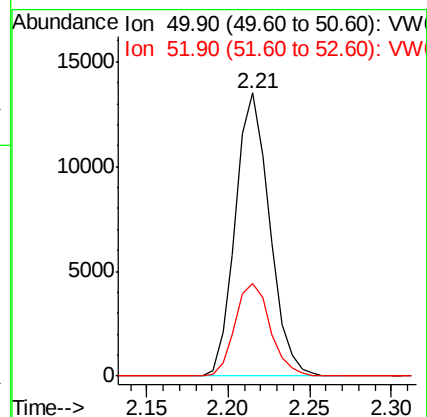
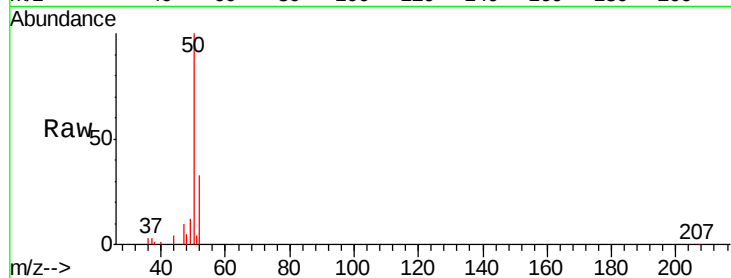
VW1128SBSD01

Tgt Ion: 50 Resp: 19795

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 23.17 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007107.D

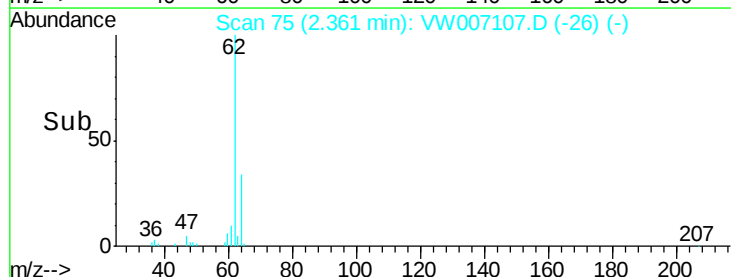
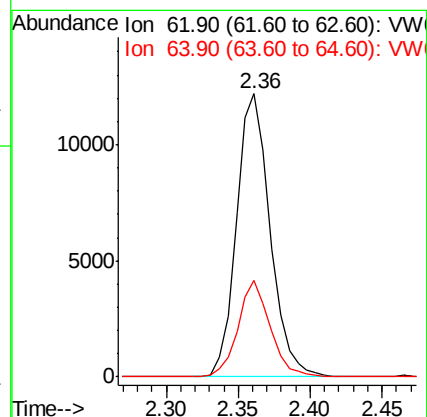
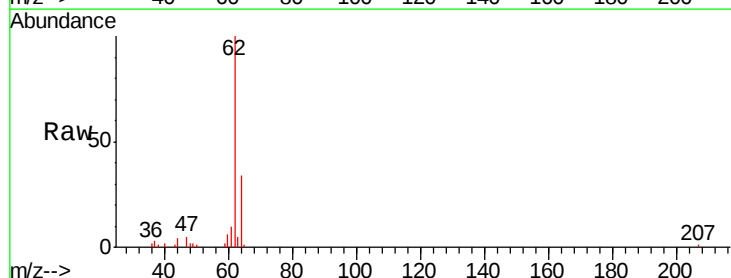
Acq: 28 Nov 2018 12:35

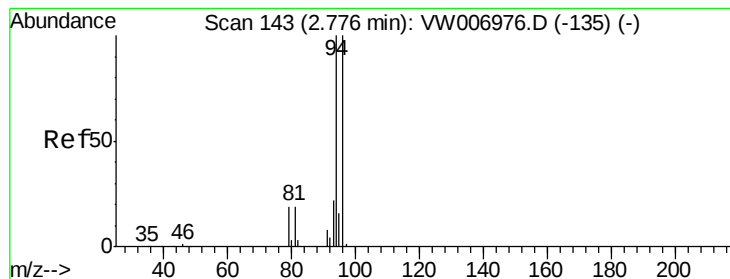
Tgt Ion: 62 Resp: 19788

Ion Ratio Lower Upper

62 100

64 34.0 25.2 37.8





#5

Bromomethane

Concen: 23.67 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

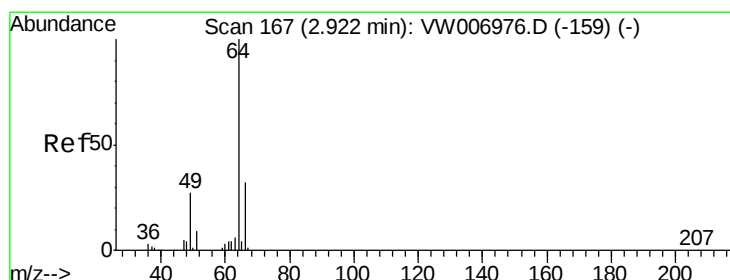
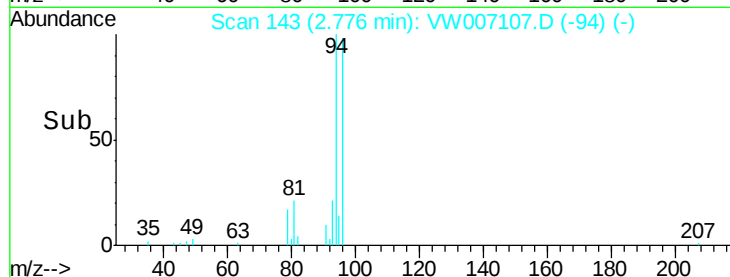
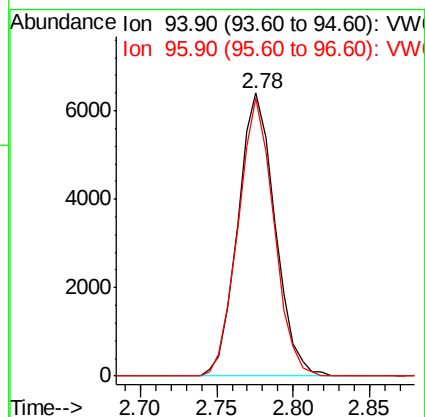
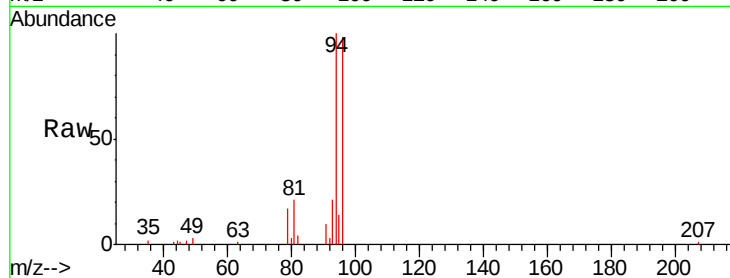
VW1128SBS01

Tgt Ion: 94 Resp: 10789

Ion Ratio Lower Upper

94 100

96 98.1 80.2 120.2



#6

Chloroethane

Concen: 23.22 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007107.D

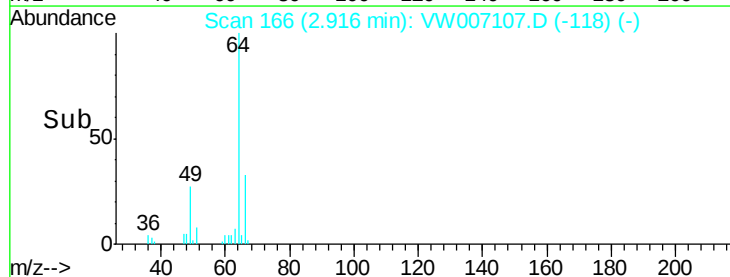
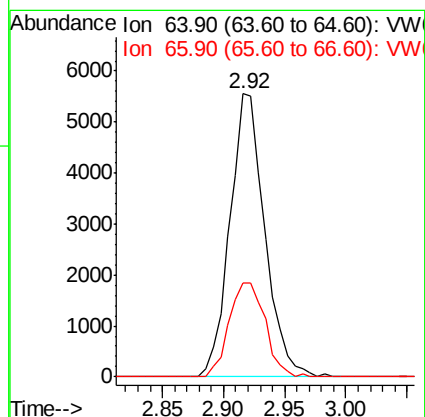
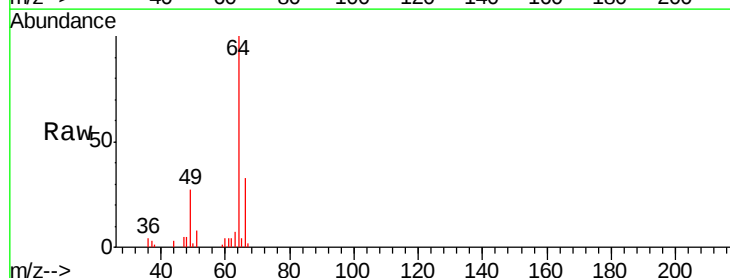
Acq: 28 Nov 2018 12:35

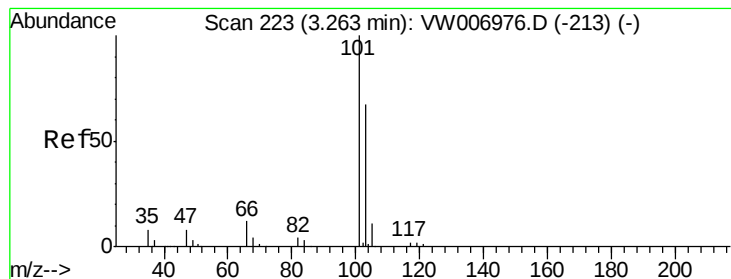
Tgt Ion: 64 Resp: 10933

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9





#7

Trichlorofluoromethane

Concen: 23.36 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

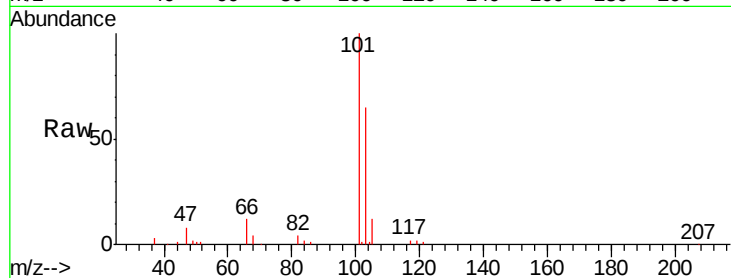
VW1128SBS01

Tgt Ion:101 Resp: 39229

Ion Ratio Lower Upper

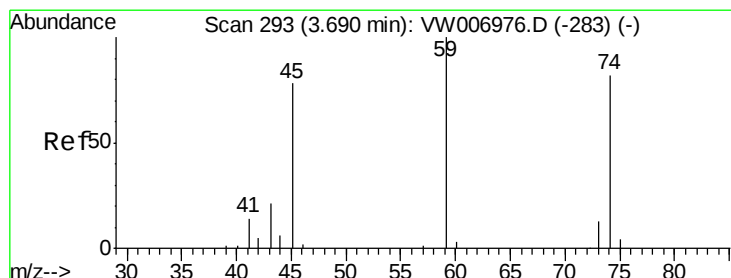
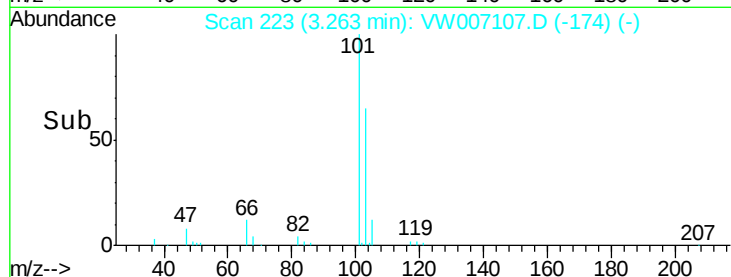
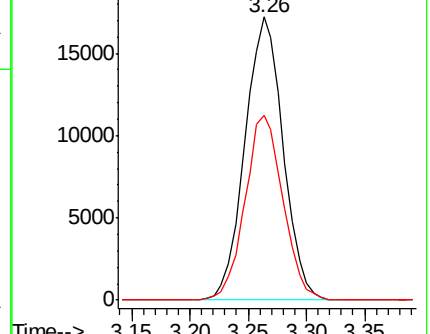
101 100

103 65.2 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: 22.87 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW007107.D

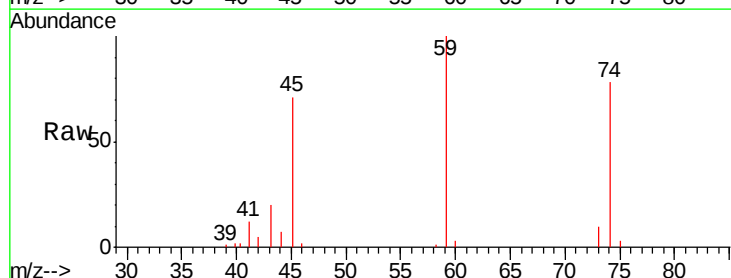
Acq: 28 Nov 2018 12:35

Tgt Ion: 74 Resp: 12374

Ion Ratio Lower Upper

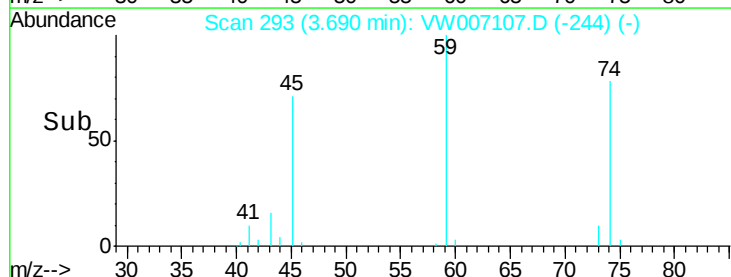
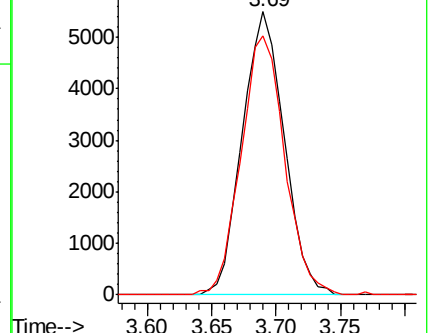
74 100

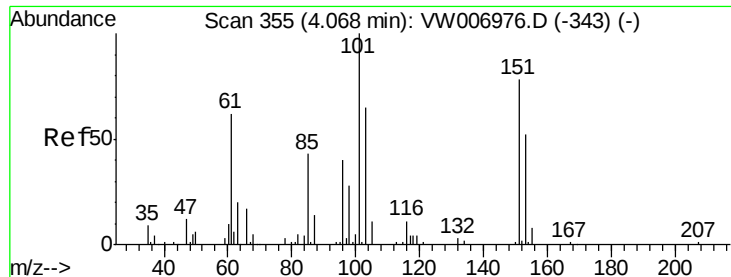
45 95.2 48.4 145.2



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: 23.97 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

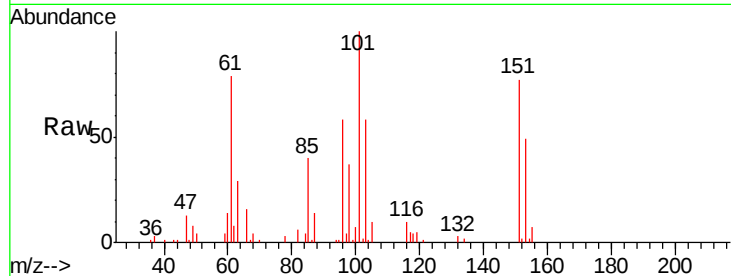
Tgt Ion:101 Resp: 26103

Ion Ratio Lower Upper

101 100

85 41.8 34.3 51.5

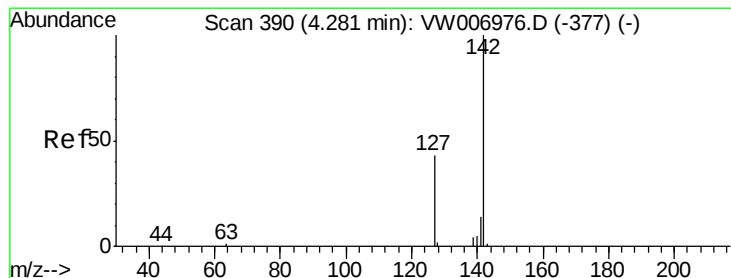
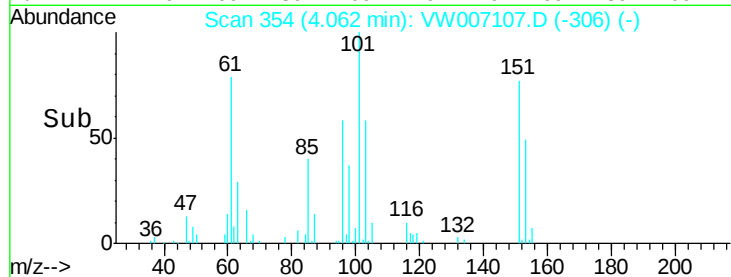
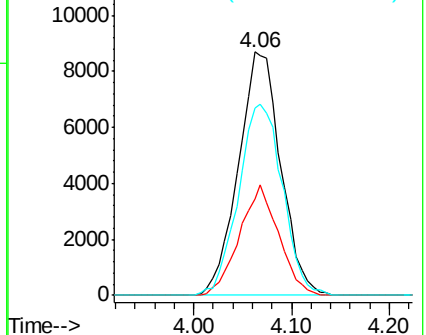
151 81.5 63.4 95.2



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: 20.04 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

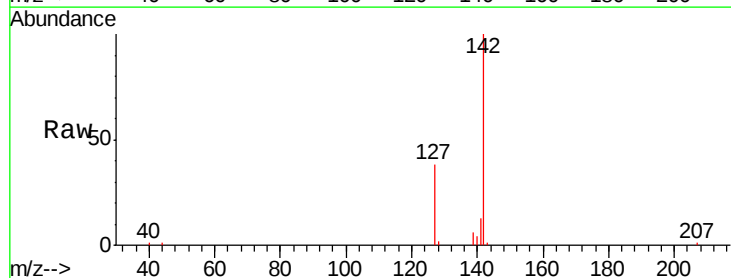
Tgt Ion:142 Resp: 24976

Ion Ratio Lower Upper

142 100

127 42.4 35.3 52.9

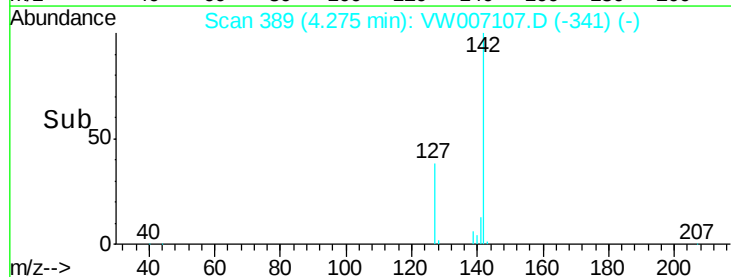
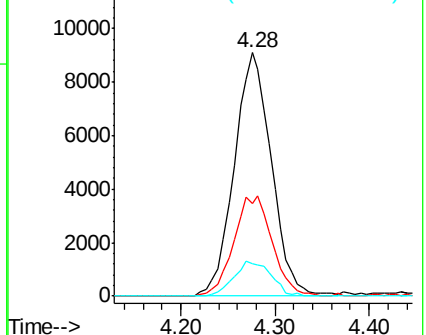
141 14.4 11.7 17.5

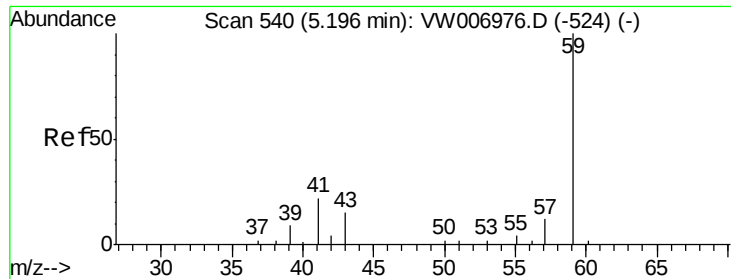


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



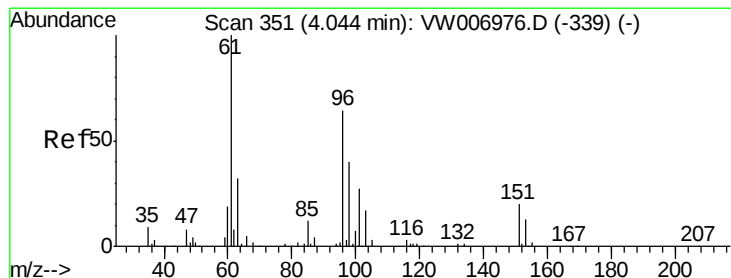
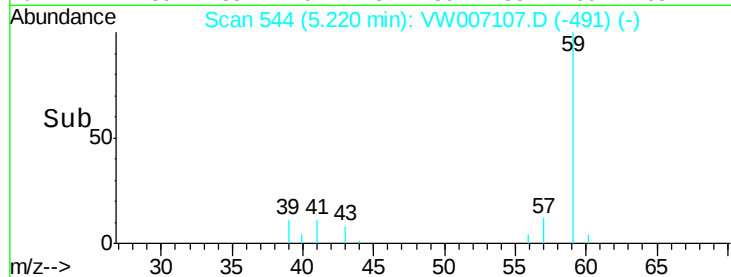
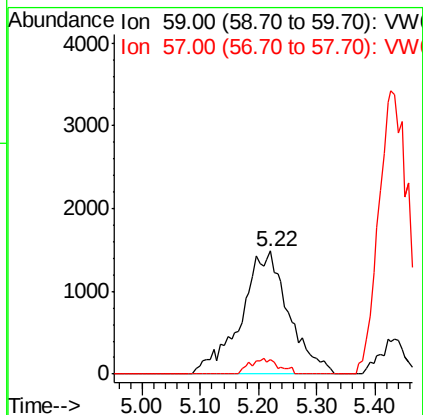
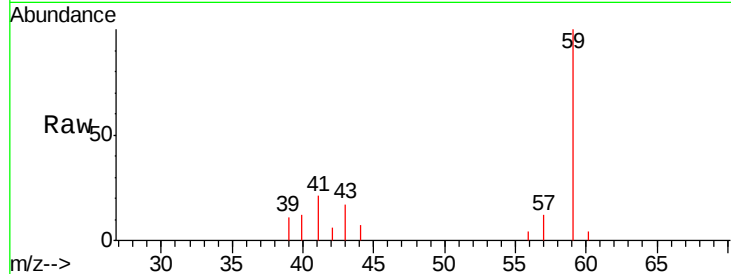


#11

Tert butyl alcohol
 Concen: 125.09 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.02 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

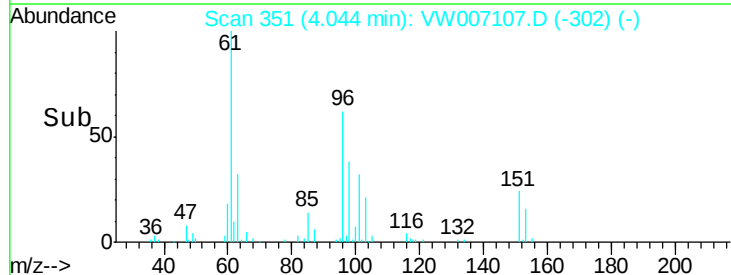
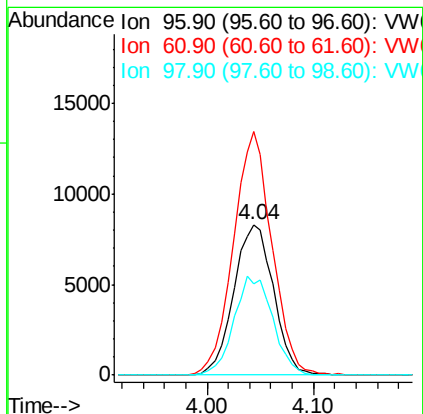
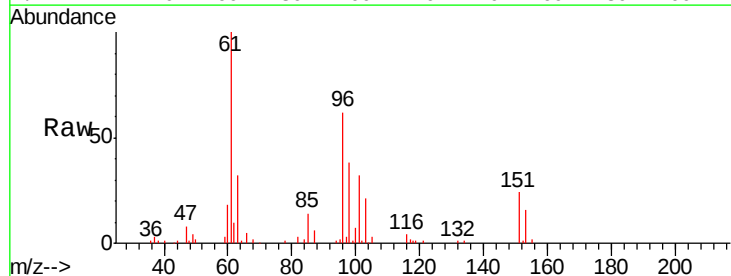
Tgt Ion: 59 Resp: 8411
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.6 13.0#

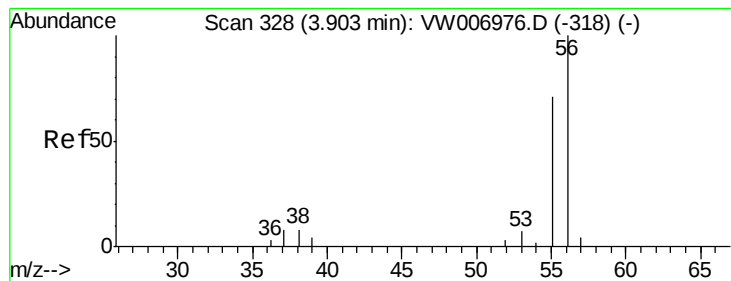


#12

1,1-Dichloroethene
 Concen: 22.73 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion: 96 Resp: 21701
 Ion Ratio Lower Upper
 96 100
 61 161.6 124.3 186.5
 98 60.7 49.4 74.2





#13

Acrolein

Concen: 96.73 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

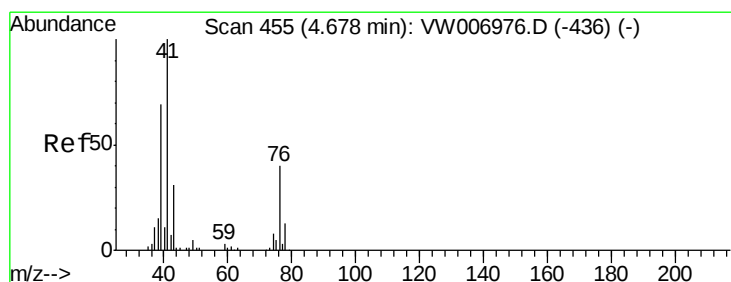
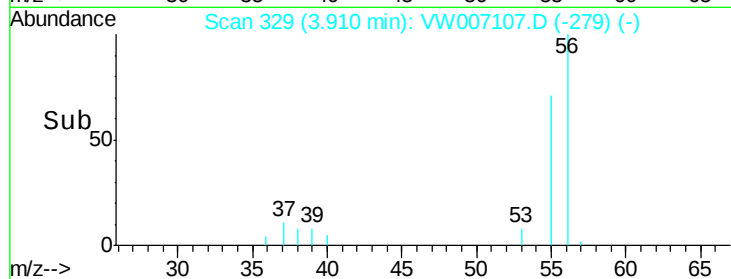
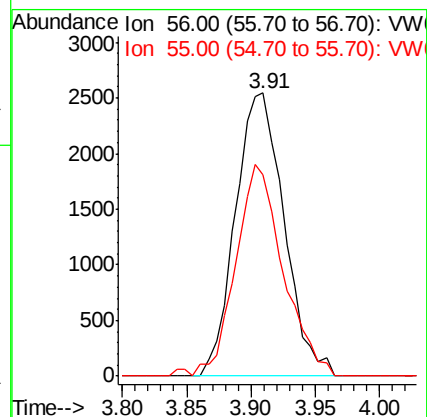
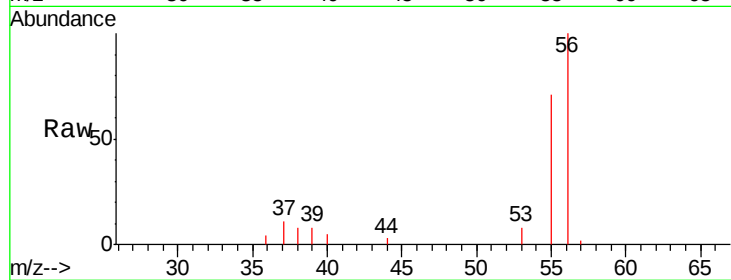
VW1128SBS01

Tgt Ion: 56 Resp: 6679

Ion Ratio Lower Upper

56 100

55 73.2 57.5 86.3



#14

Allyl chloride

Concen: 22.25 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

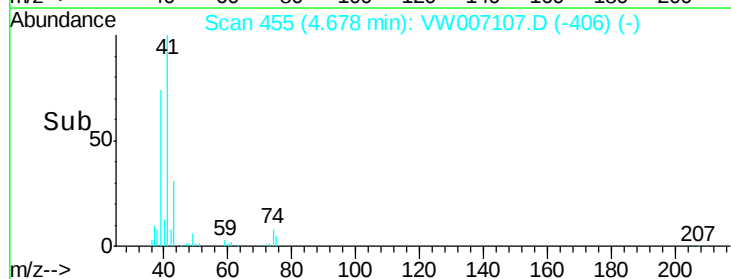
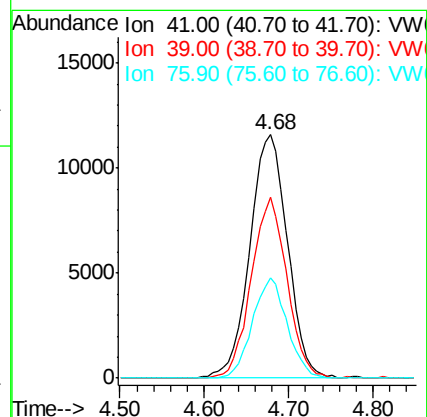
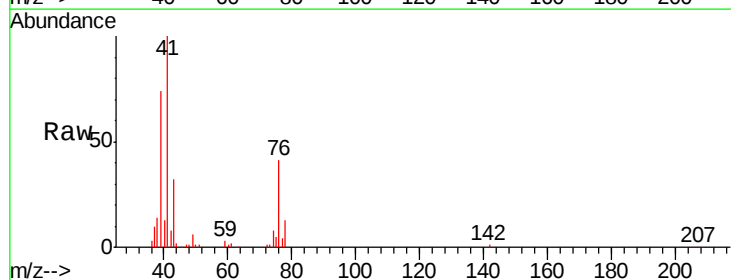
Tgt Ion: 41 Resp: 35244

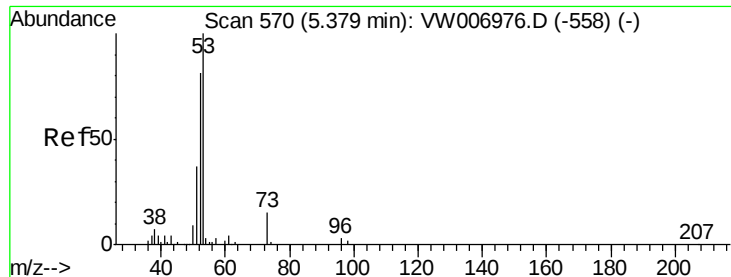
Ion Ratio Lower Upper

41 100

39 70.4 55.4 83.2

76 37.8 29.6 44.4





#15

Acrylonitrile

Concen: 109.71 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

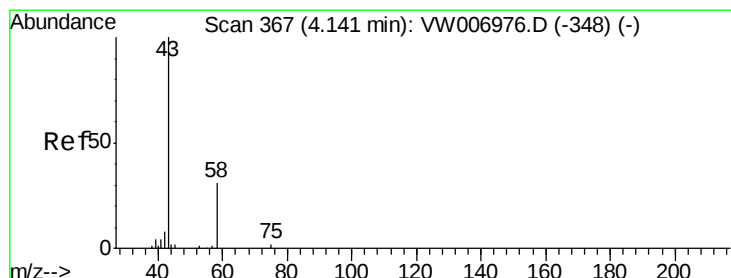
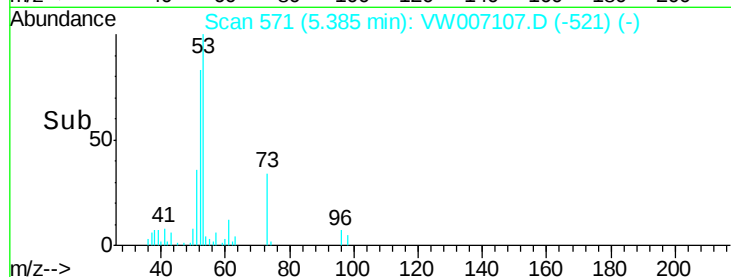
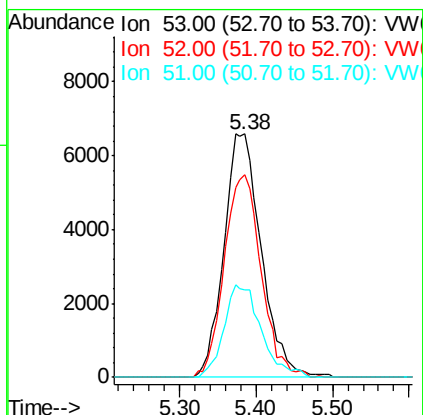
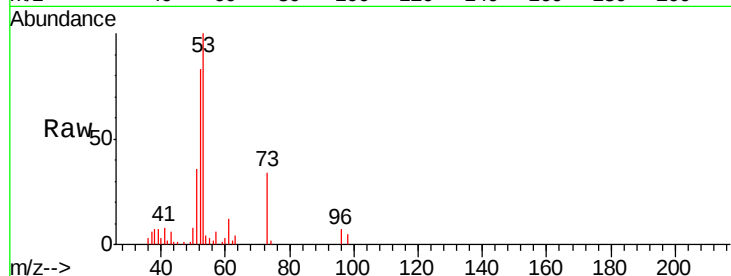
Tgt Ion: 53 Resp: 22313

Ion Ratio Lower Upper

53 100

52 82.2 65.7 98.5

51 37.7 29.9 44.9



#16

Acetone

Concen: 109.63 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007107.D

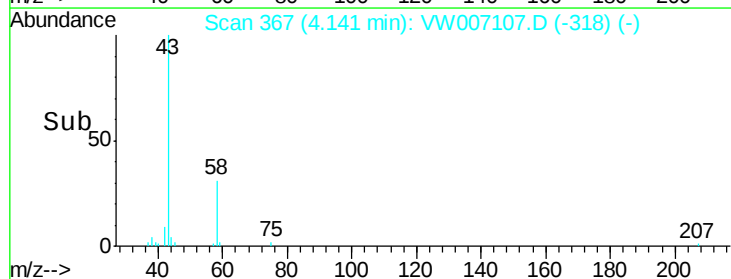
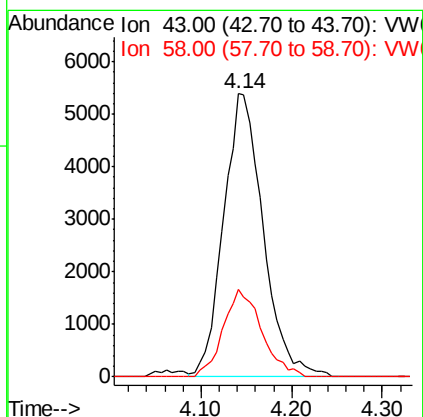
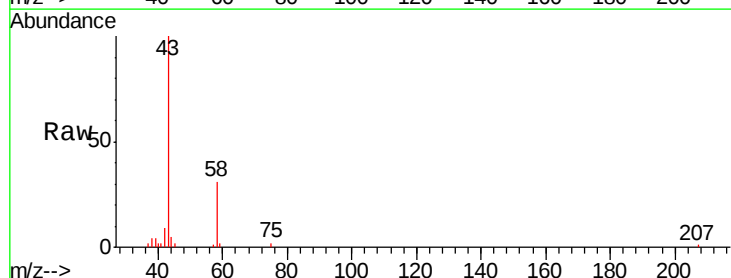
Acq: 28 Nov 2018 12:35

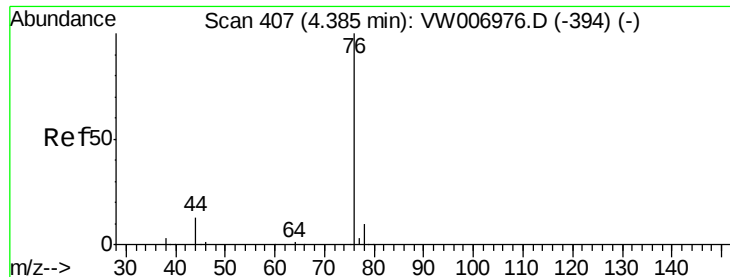
Tgt Ion: 43 Resp: 16440

Ion Ratio Lower Upper

43 100

58 30.9 24.8 37.2

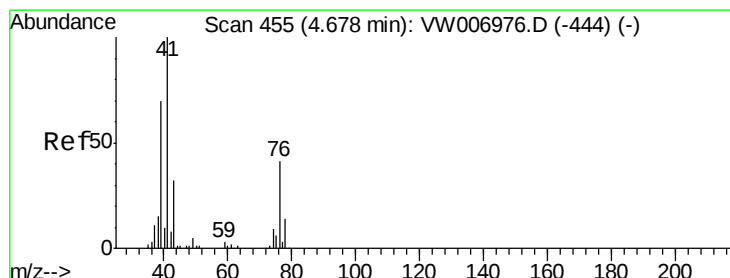
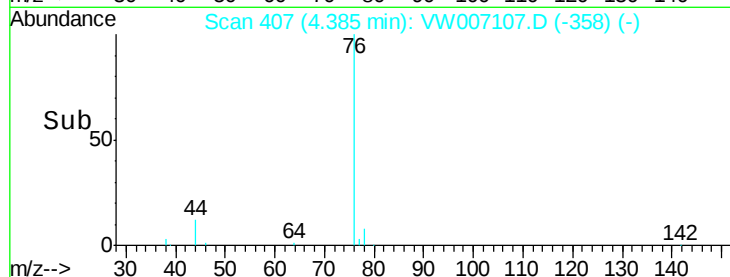
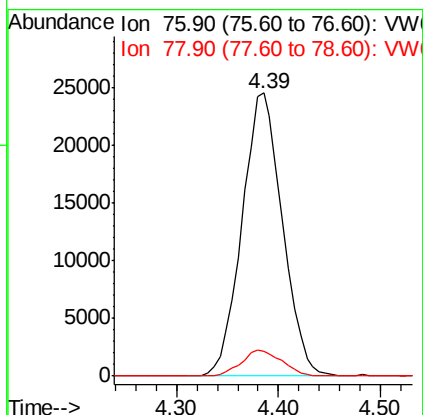
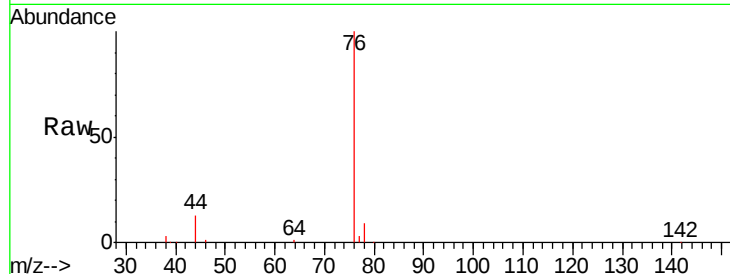




#17
Carbon Disulfide
Concen: 21.88 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

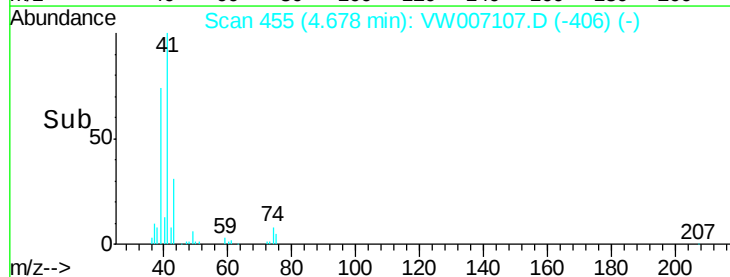
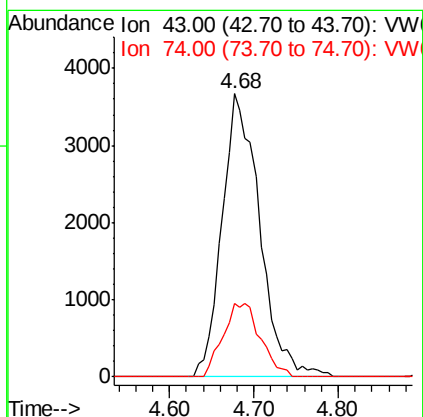
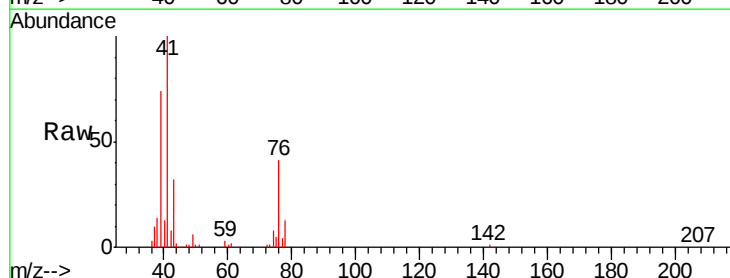
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBSD01

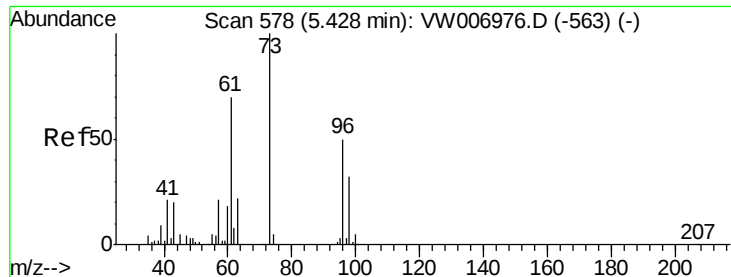
Tgt Ion: 76 Resp: 67536
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6



#18
Methyl Acetate
Concen: 20.93 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion: 43 Resp: 11175
Ion Ratio Lower Upper
43 100
74 25.6 20.1 30.1

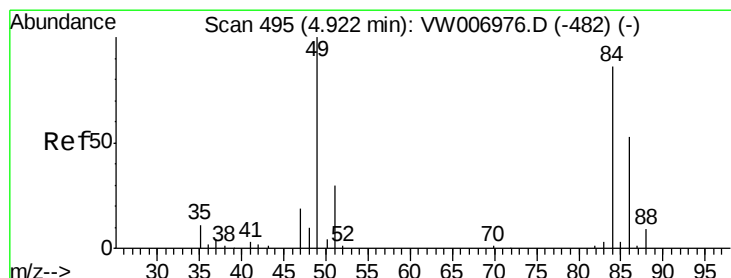
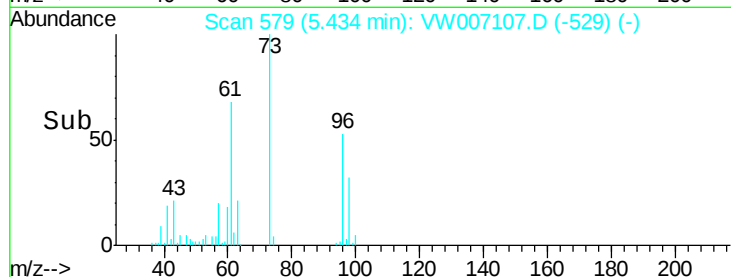
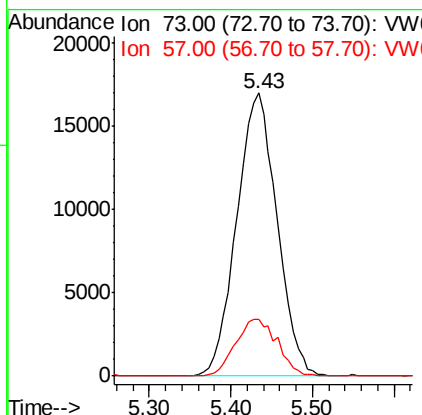
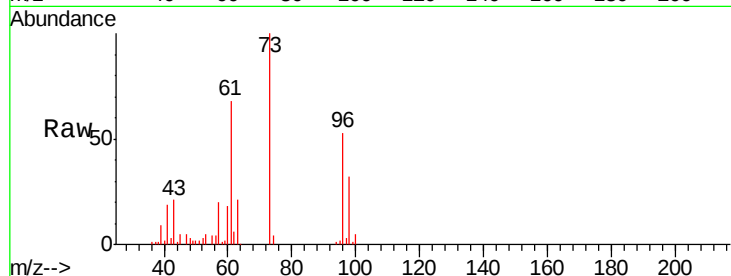




#19
Methyl tert-butyl Ether
Concen: 23.40 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

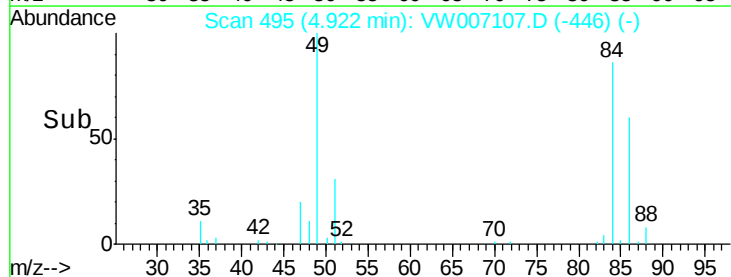
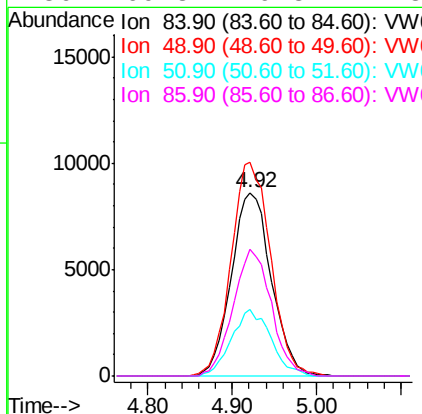
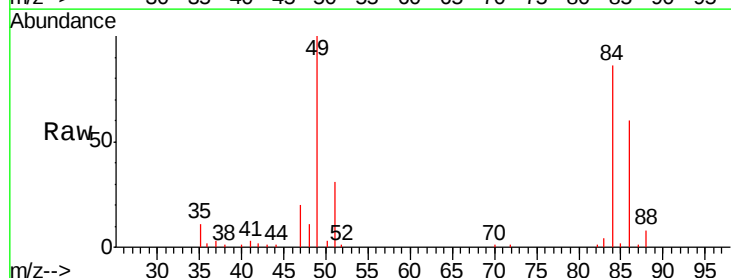
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

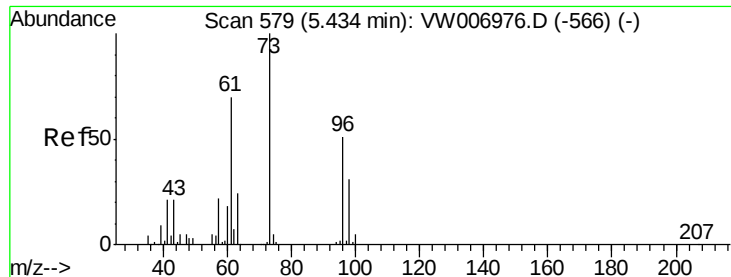
Tgt Ion: 73 Resp: 58357
Ion Ratio Lower Upper
73 100
57 19.9 16.7 25.1



#20
Methylene Chloride
Concen: 19.95 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion: 84 Resp: 27725
Ion Ratio Lower Upper
84 100
49 116.5 93.4 140.0
51 36.3 28.4 42.6
86 69.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.57 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

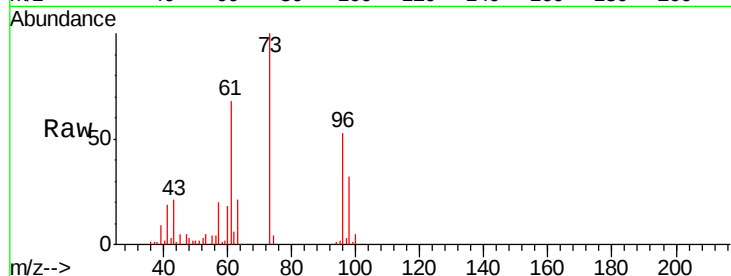
Tgt Ion: 96 Resp: 25107

Ion Ratio Lower Upper

96 100

61 129.7 109.4 164.0

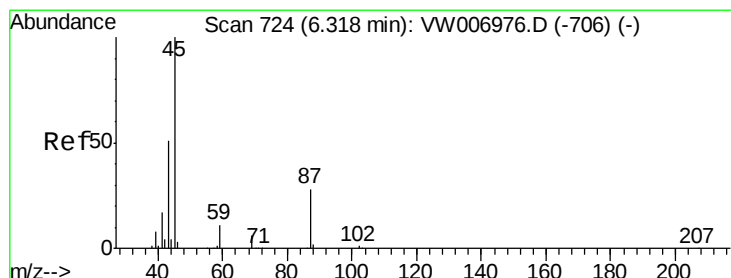
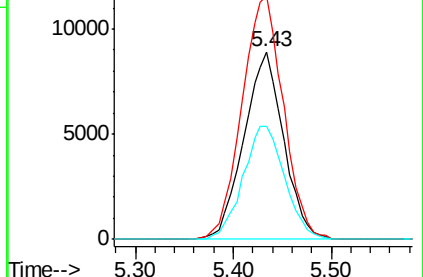
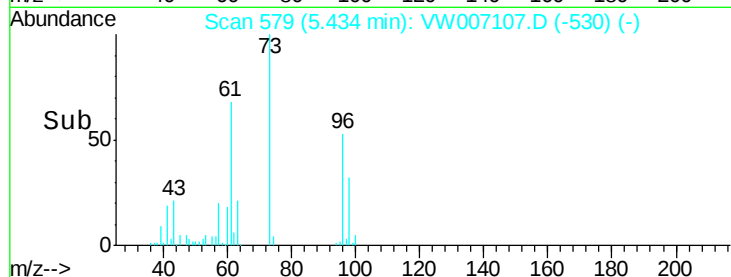
98 60.2 48.3 72.5



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



#22

Diisopropyl ether

Concen: 22.40 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Tgt Ion: 45 Resp: 69058

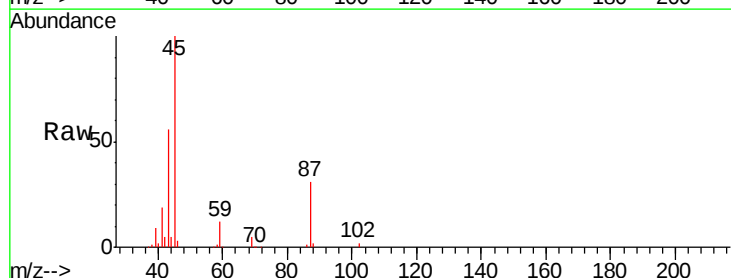
Ion Ratio Lower Upper

45 100

43 55.7 42.5 63.7

87 30.8 22.8 34.2

59 12.4 9.1 13.7

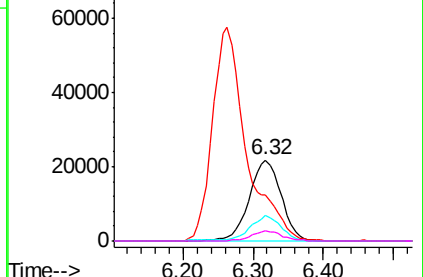
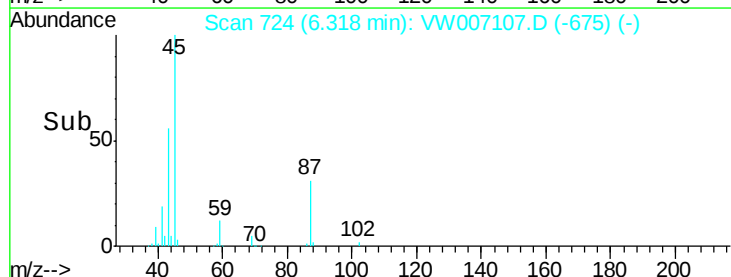


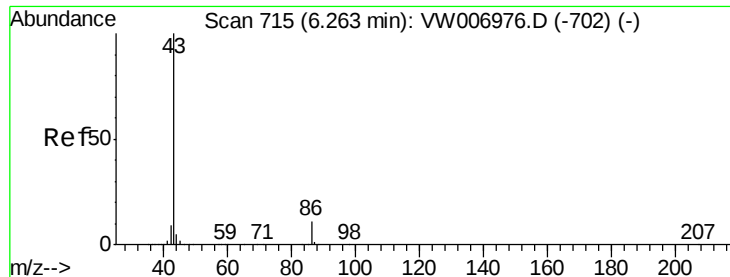
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 118.78 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

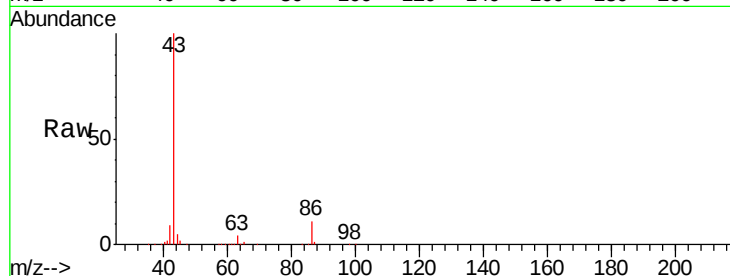
VW1128SBS01

Tgt Ion: 43 Resp: 194458

Ion Ratio Lower Upper

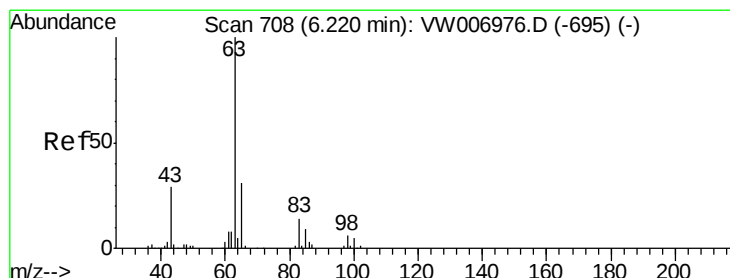
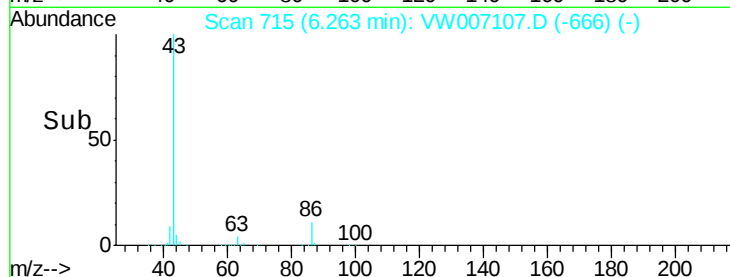
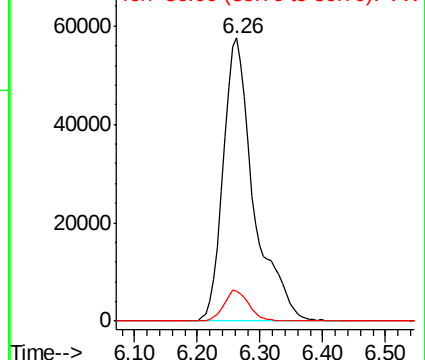
43 100

86 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.10 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

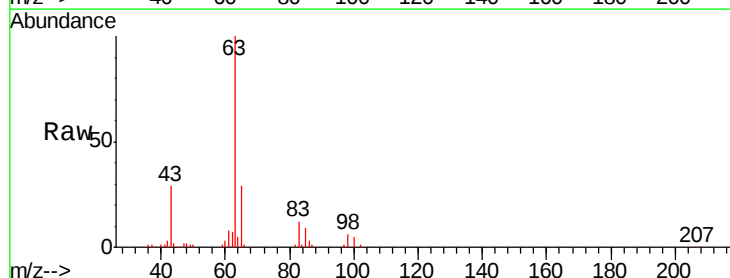
Tgt Ion: 63 Resp: 41446

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

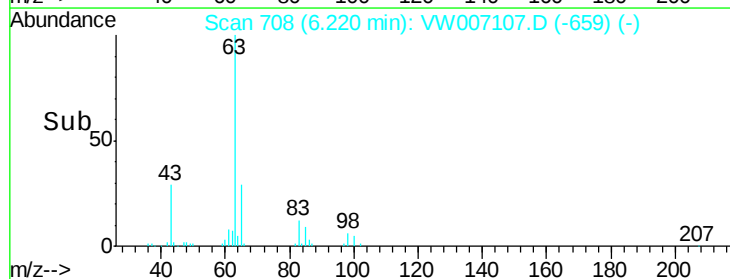
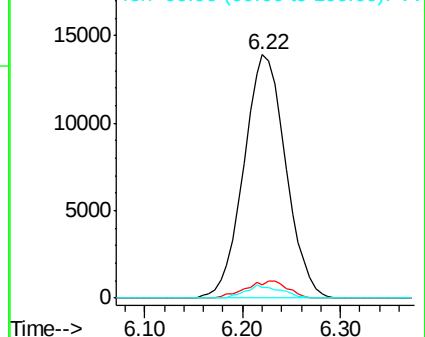
100 4.5 2.3 6.9

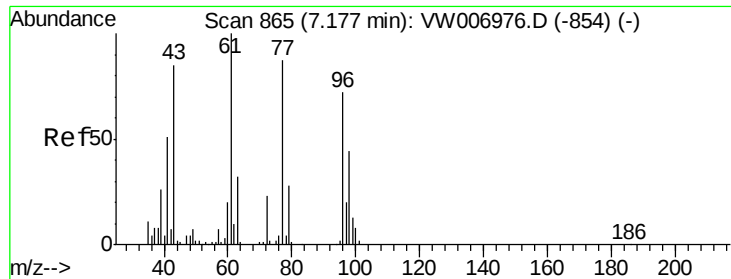


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 111.21 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

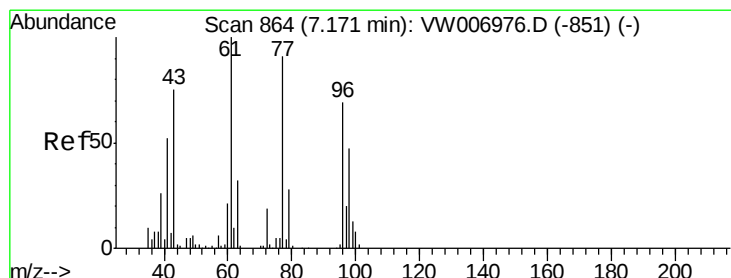
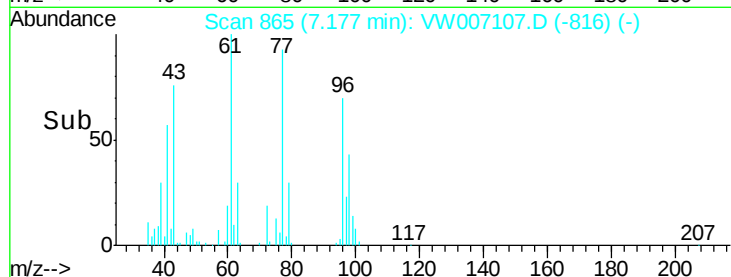
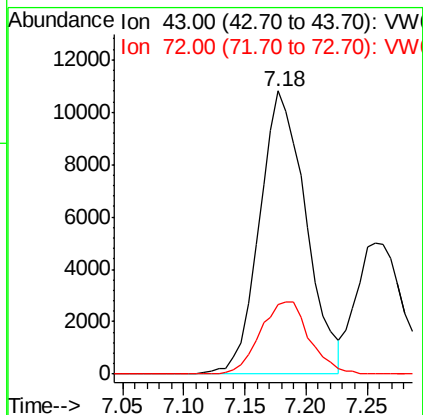
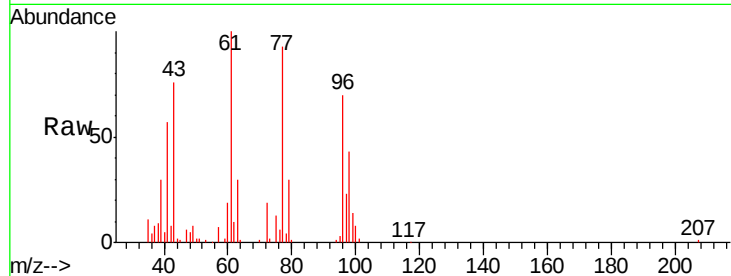
VW1128SBS01

Tgt Ion: 43 Resp: 28563

Ion Ratio Lower Upper

43 100

72 24.8 21.3 31.9



#26

2,2-Dichloropropane

Concen: 24.66 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007107.D

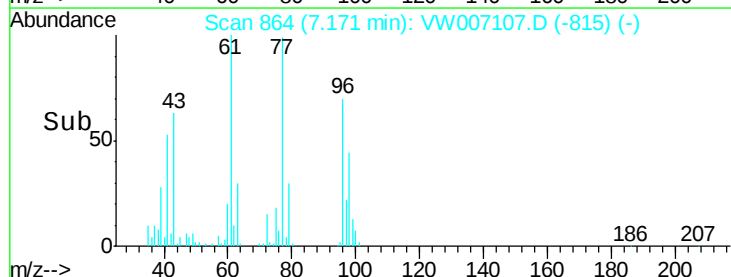
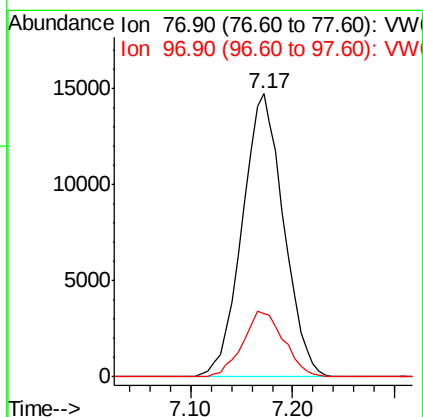
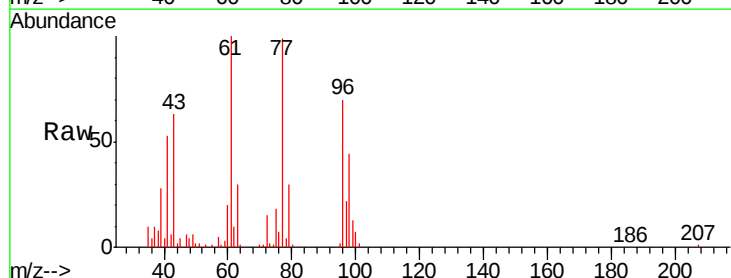
Acq: 28 Nov 2018 12:35

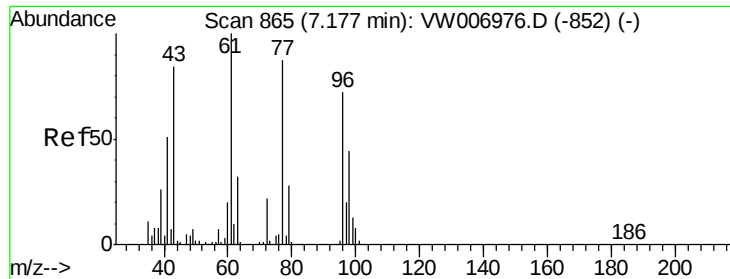
Tgt Ion: 77 Resp: 41595

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 22.70 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

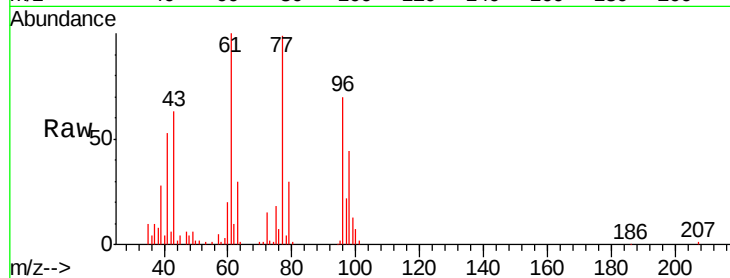
Tgt Ion: 96 Resp: 26892

Ion Ratio Lower Upper

96 100

61 146.7 0.0 292.6

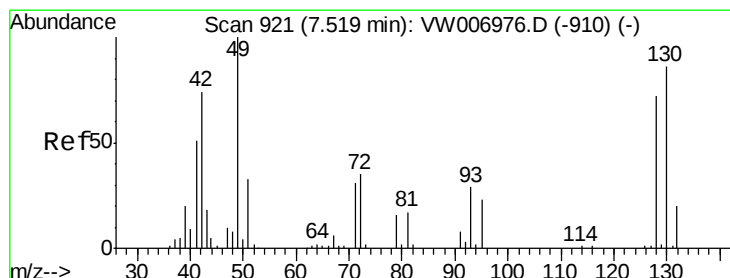
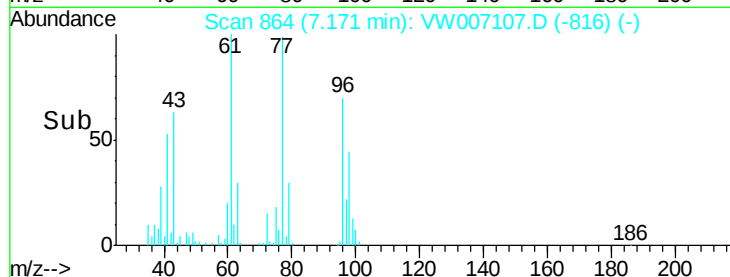
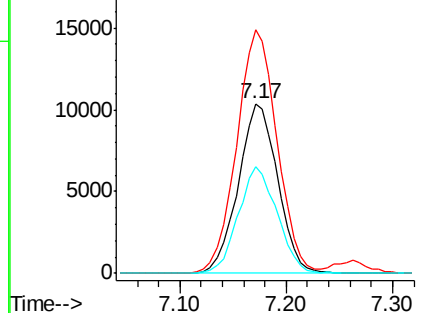
98 62.2 0.0 129.8



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: 19.22 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

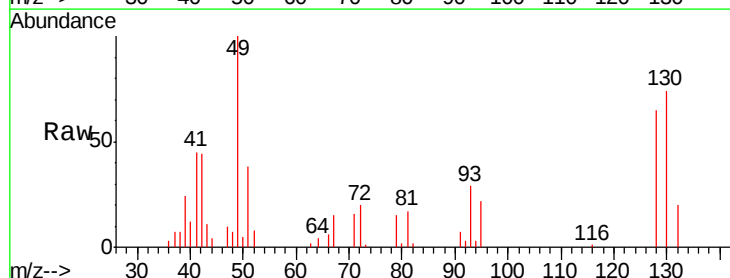
Tgt Ion: 49 Resp: 13475

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.0

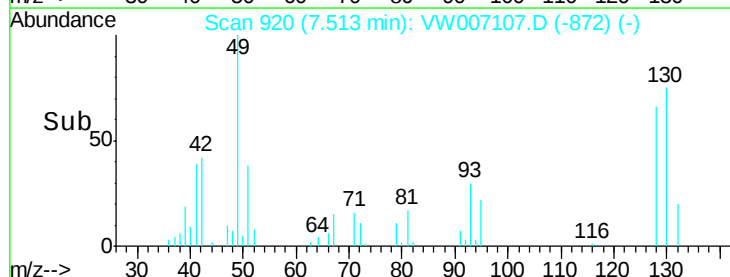
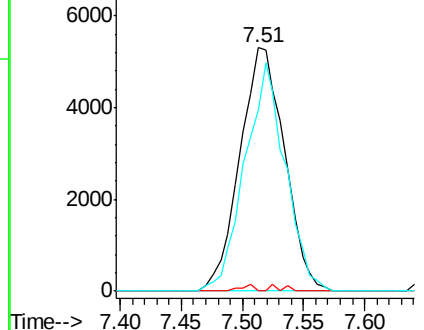
130 84.8 69.0 103.4

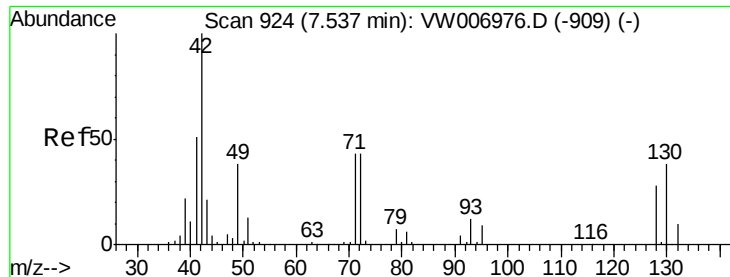


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.84 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

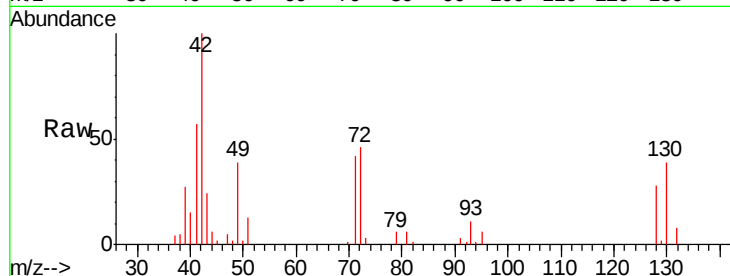
Tgt Ion: 42 Resp: 17938

Ion Ratio Lower Upper

42 100

72 45.1 36.2 54.4

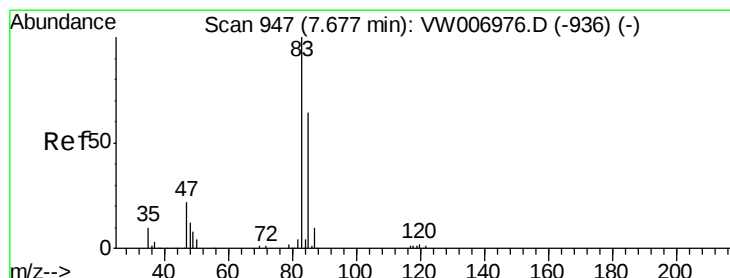
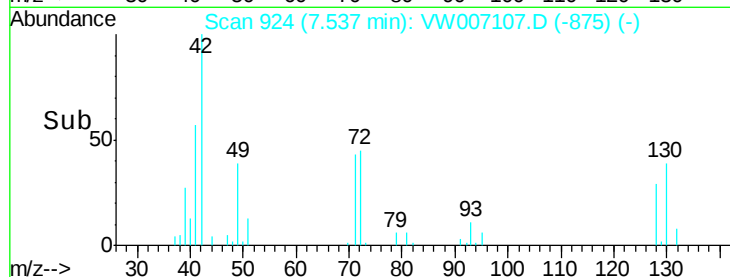
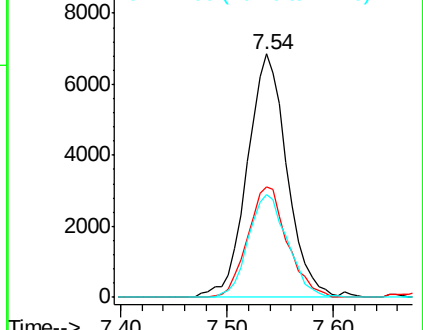
71 41.6 33.8 50.8



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: 21.92 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW007107.D

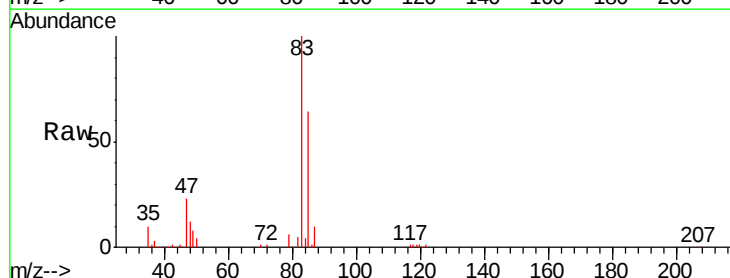
Acq: 28 Nov 2018 12:35

Tgt Ion: 83 Resp: 43676

Ion Ratio Lower Upper

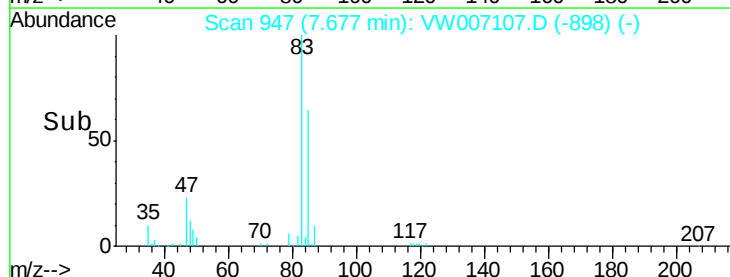
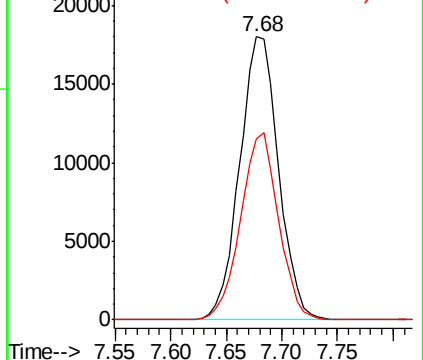
83 100

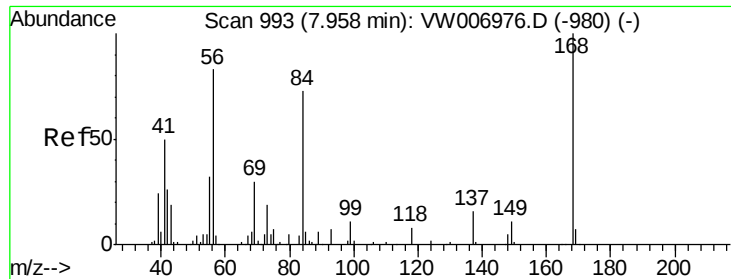
85 63.8 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

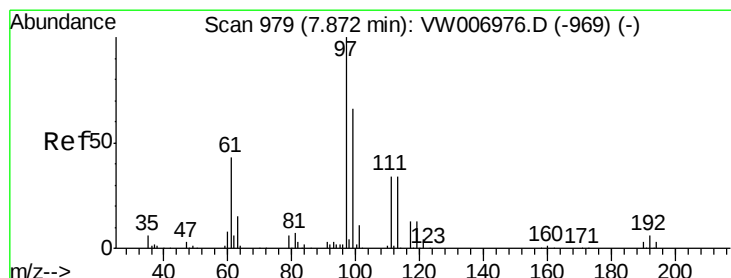
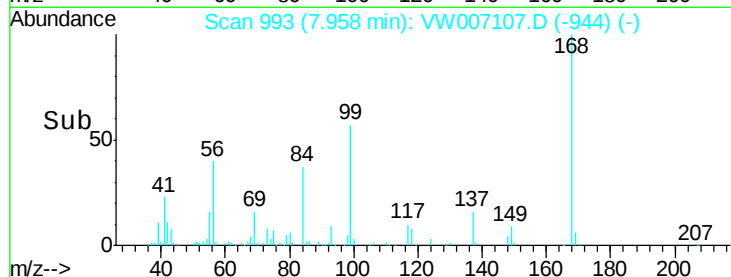
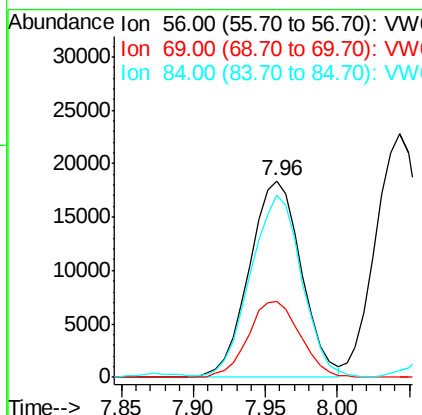
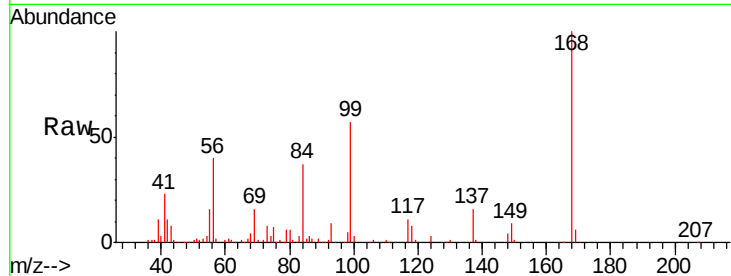




#31
Cyclohexane
Concen: 23.18 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

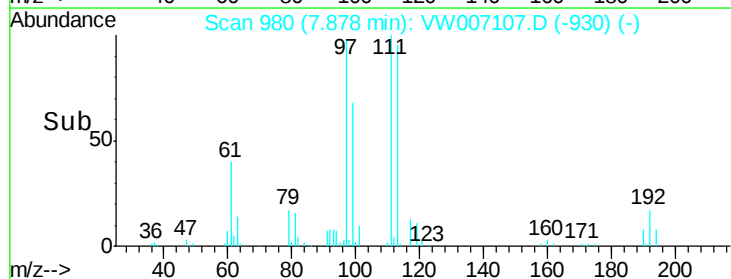
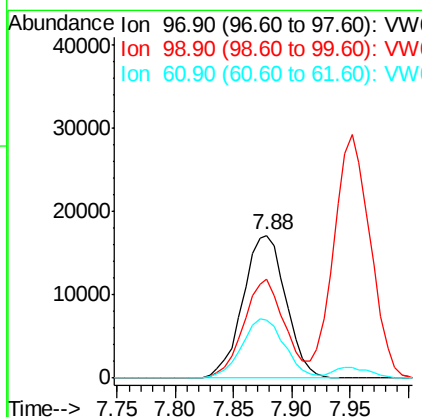
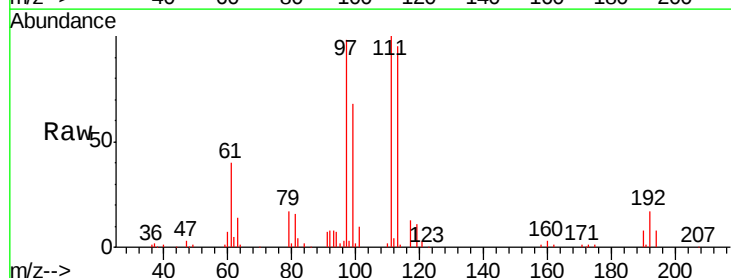
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

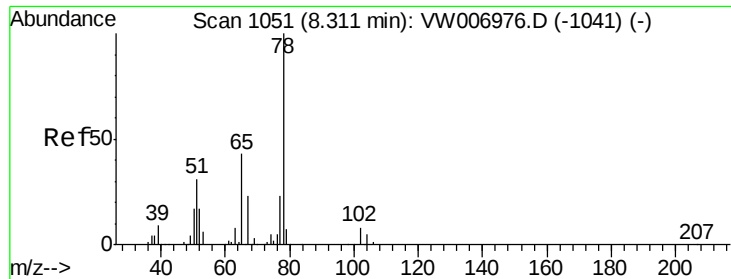
Tgt Ion: 56 Resp: 46116
Ion Ratio Lower Upper
56 100
69 38.8 29.1 43.7
84 91.7 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 24.32 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion: 97 Resp: 43642
Ion Ratio Lower Upper
97 100
99 65.4 51.9 77.9
61 41.7 33.4 50.2





#33

1,2-Dichloroethane-d4

Concen: 51.78 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

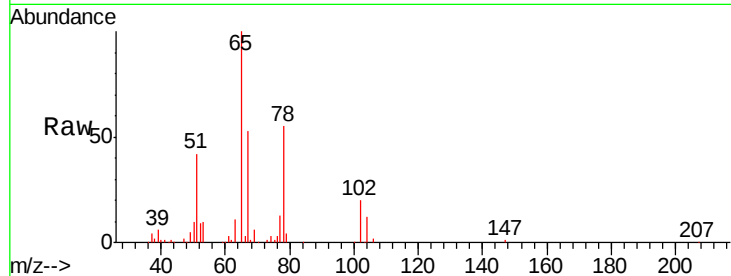
VW1128SBS01

Tgt Ion: 65 Resp: 53481

Ion Ratio Lower Upper

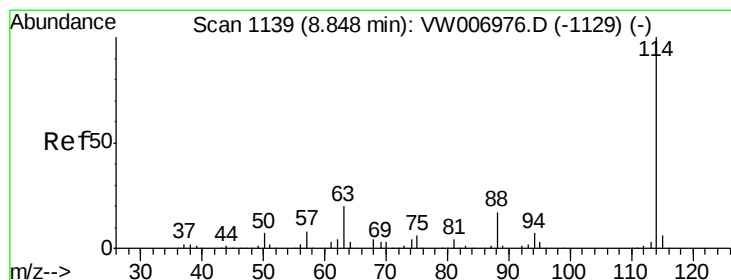
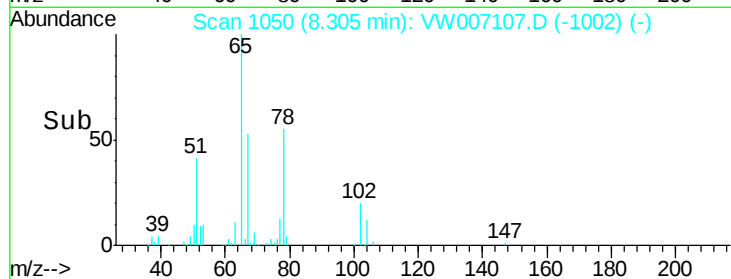
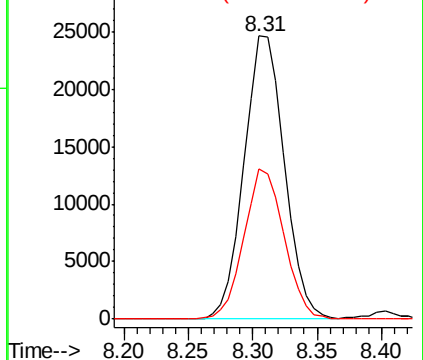
65 100

67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

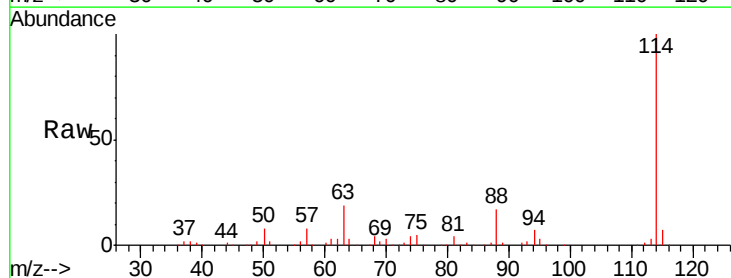
Tgt Ion: 114 Resp: 161442

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

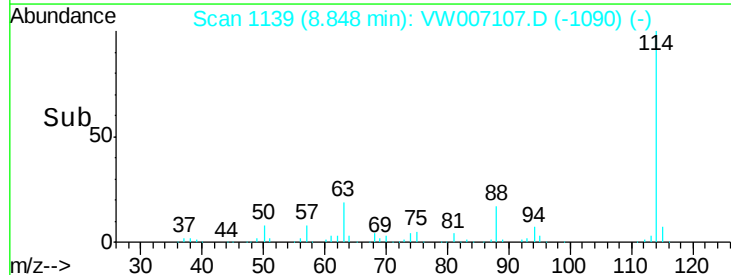
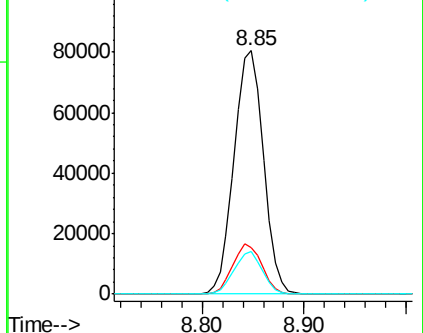
88 17.3 0.0 34.2

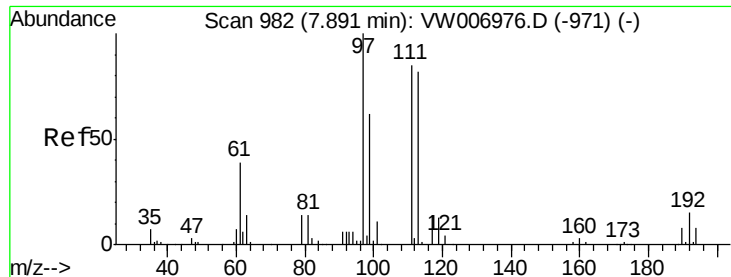


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

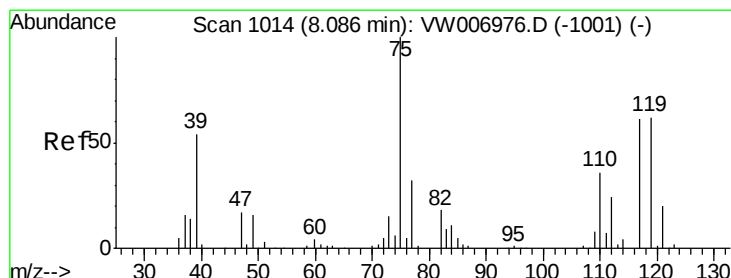
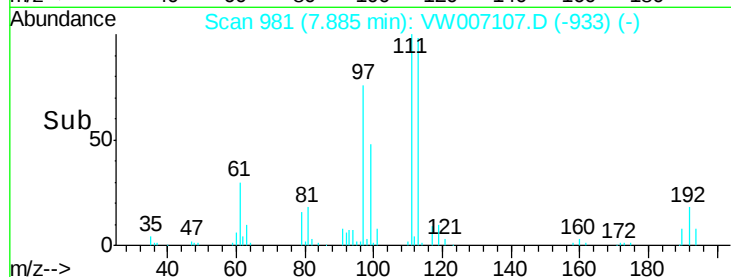
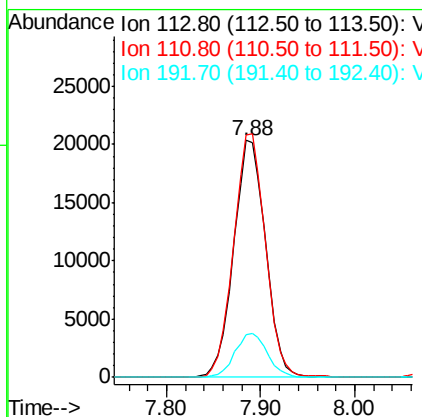
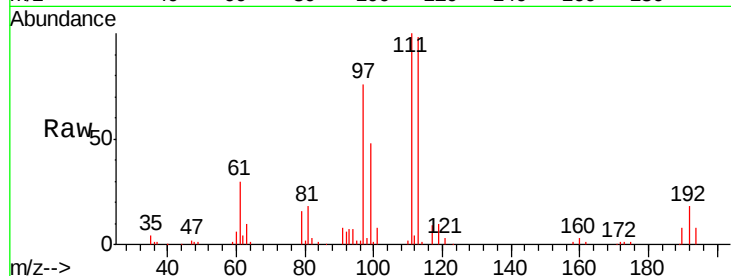




#35
 Dibromofluoromethane
 Concen: 52.81 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

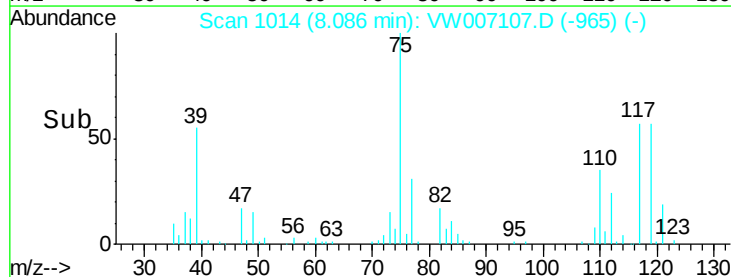
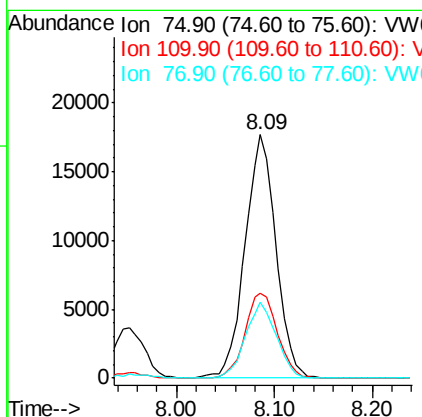
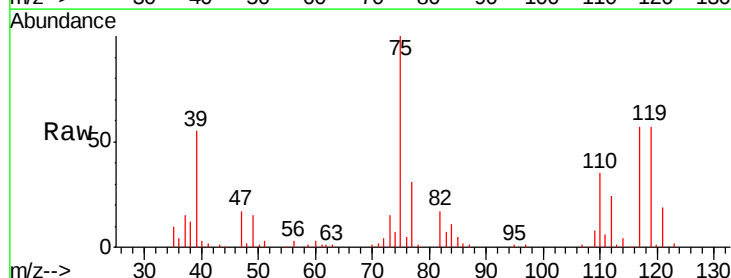
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

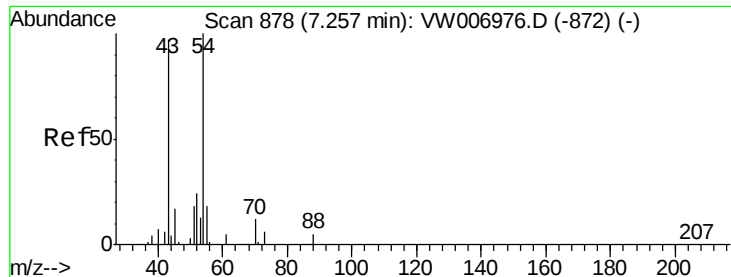
Tgt Ion: 113 Resp: 48148
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.0 121.6
 192 18.7 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 24.53 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion: 75 Resp: 38693
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.0 54.0
 77 31.2 24.9 37.3

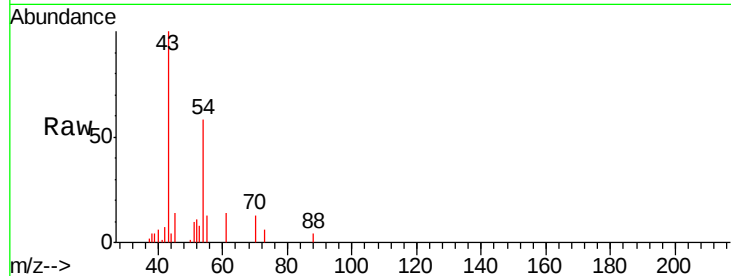




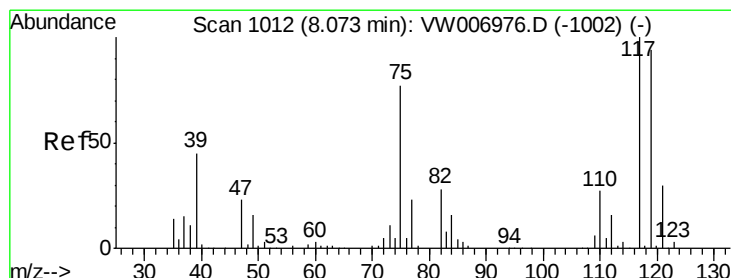
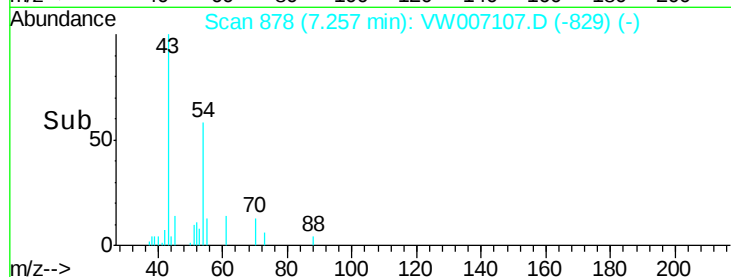
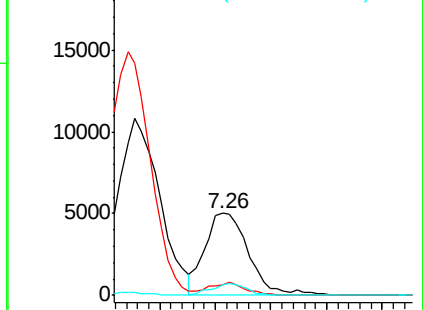
#37
 Ethyl Acetate
 Concen: 23.79 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

Tgt Ion: 43 Resp: 13598
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.4 15.6
 70 11.7 8.8 13.2

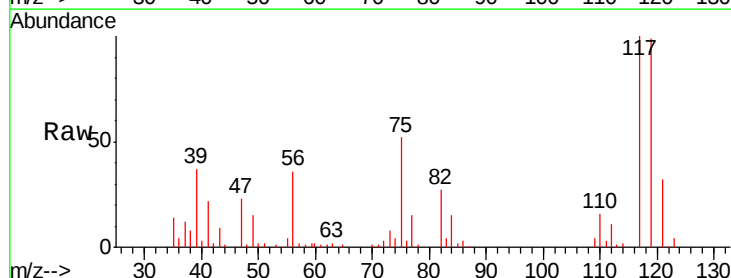


Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

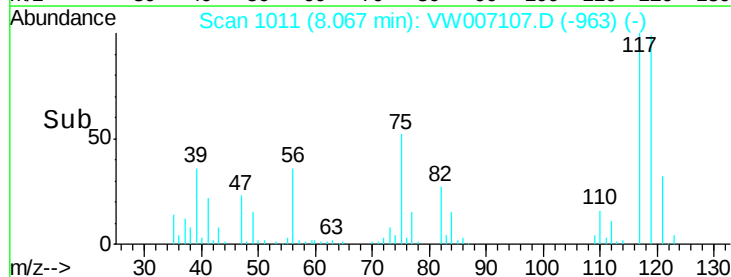
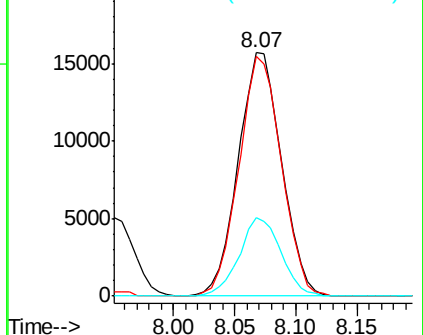


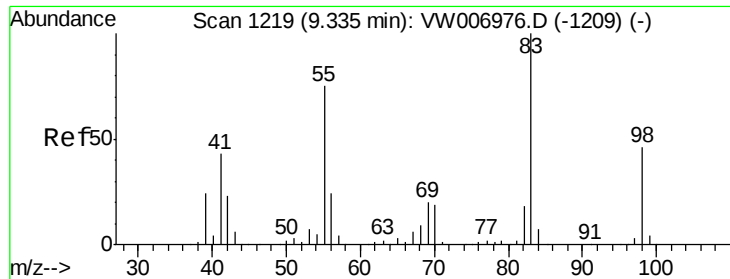
#38
 Carbon Tetrachloride
 Concen: 25.50 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion: 117 Resp: 38522
 Ion Ratio Lower Upper
 117 100
 119 98.7 74.9 112.3
 121 32.2 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

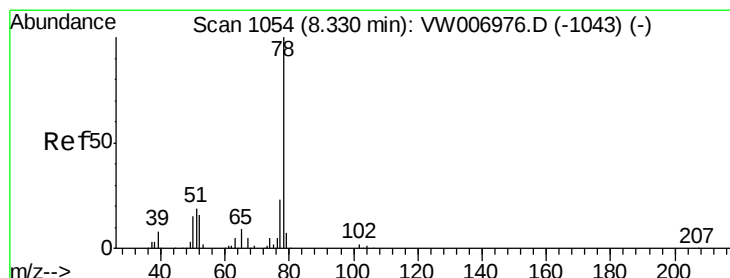
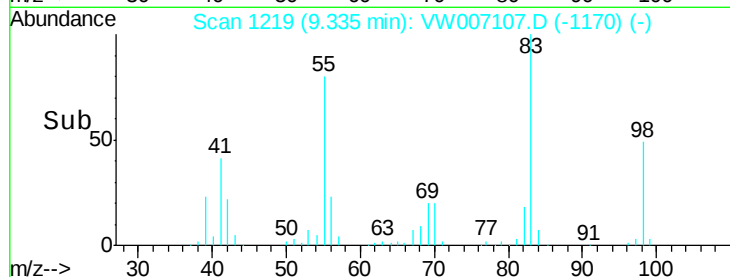
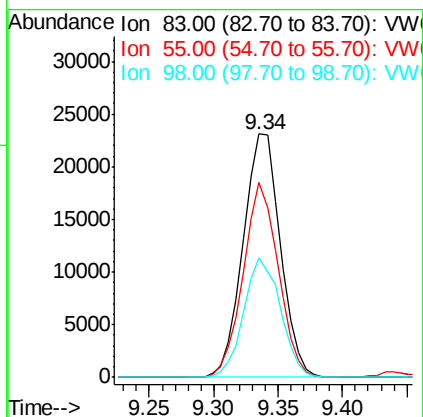
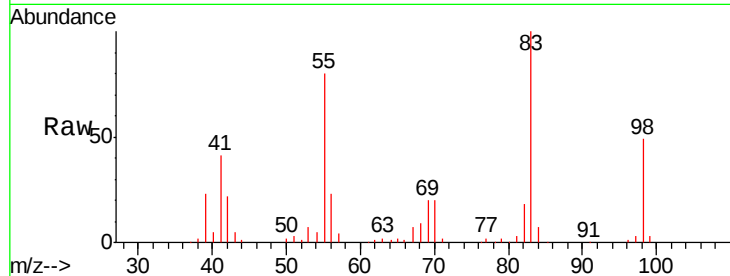




#39
Methylcyclohexane
Concen: 23.42 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

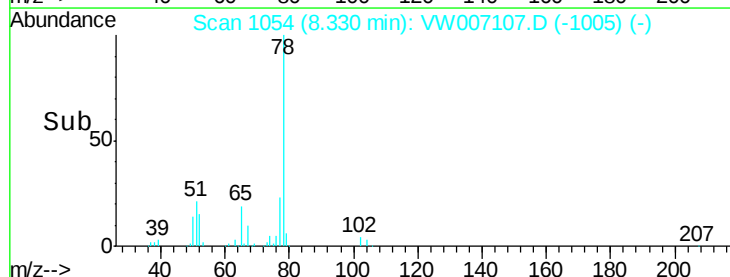
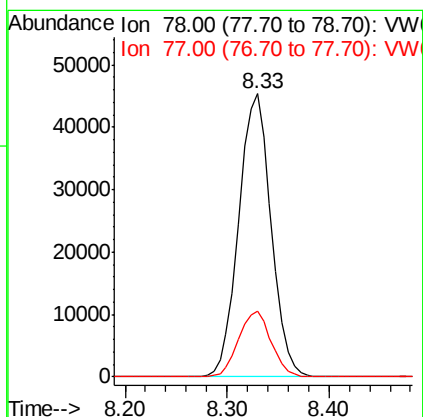
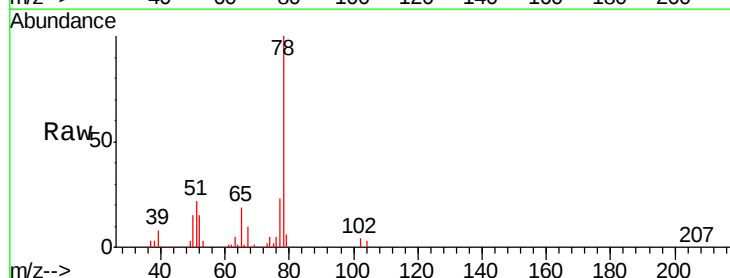
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

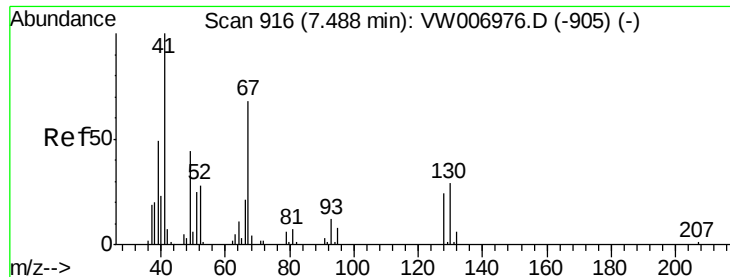
Tgt Ion: 83 Resp: 46237
Ion Ratio Lower Upper
83 100
55 80.2 59.6 89.4
98 49.2 37.1 55.7



#40
Benzene
Concen: 23.42 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion: 78 Resp: 99738
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0

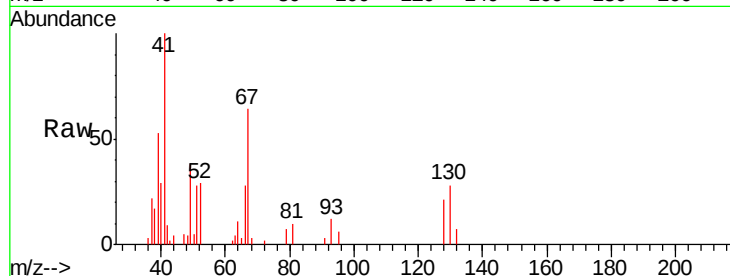




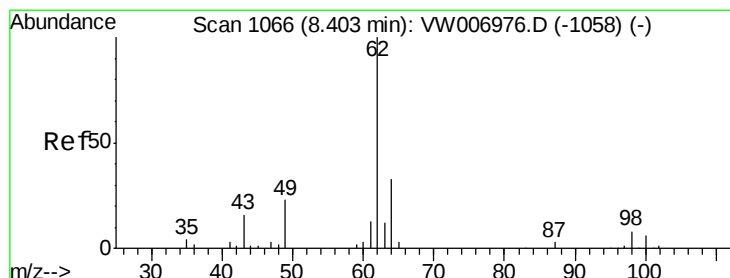
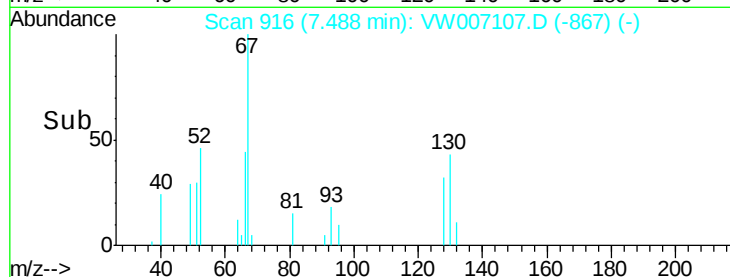
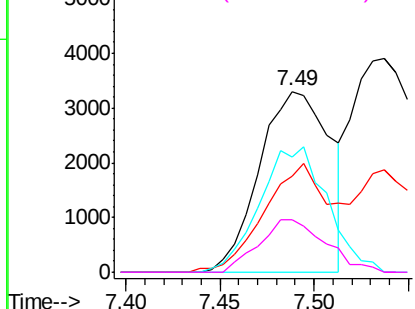
#41
Methacrylonitrile
Concen: 24.27 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

Tgt Ion:	41	Resp:	8616
Ion	Ratio	Lower	Upper
41	100		
39	59.5	48.6	73.0
67	66.2	59.8	89.8
52	27.5	24.8	37.2

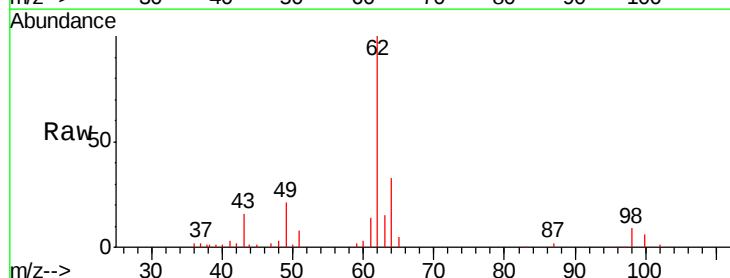


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

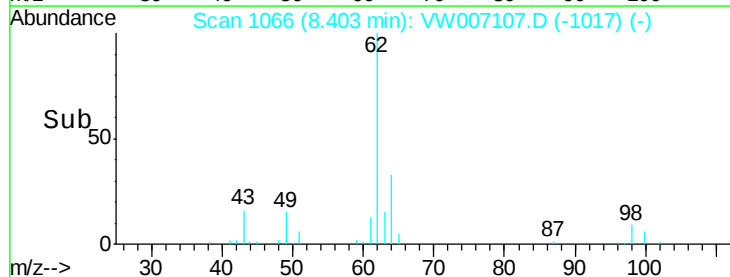
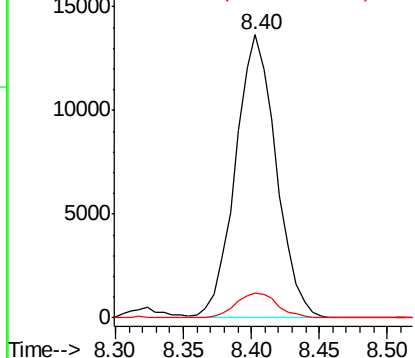


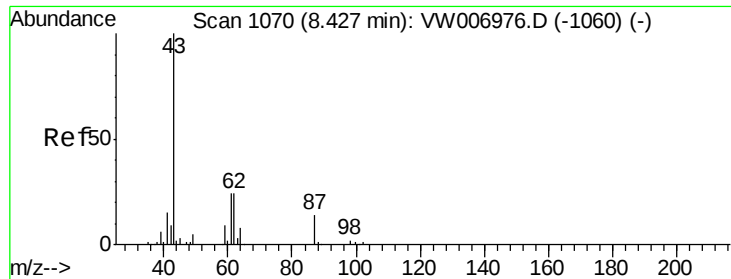
#42
1,2-Dichloroethane
Concen: 23.11 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:	62	Resp:	28569
Ion	Ratio	Lower	Upper
62	100		
98	9.1	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: 23.32 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

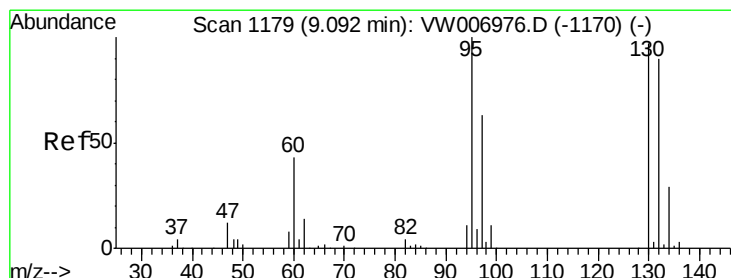
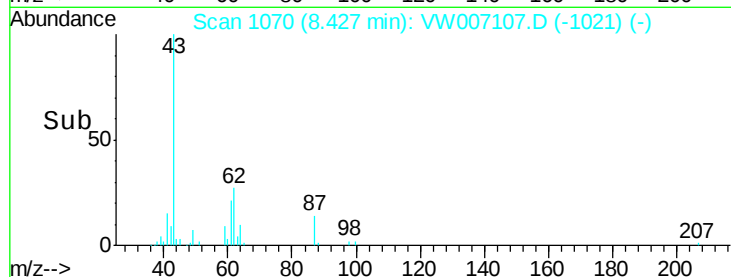
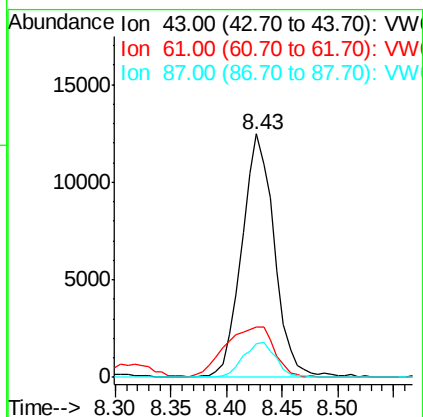
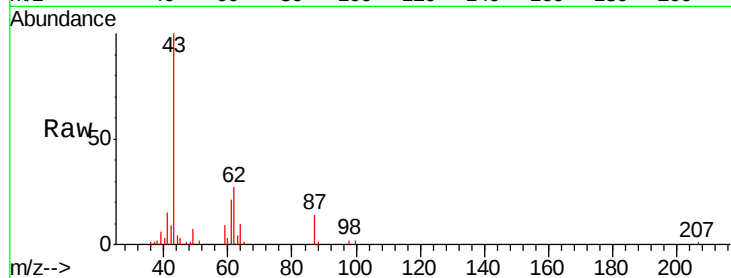
Tgt Ion: 43 Resp: 25401

Ion Ratio Lower Upper

43 100

61 31.4 26.1 39.1

87 14.3 11.2 16.8



#44

Trichloroethene

Concen: 24.08 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007107.D

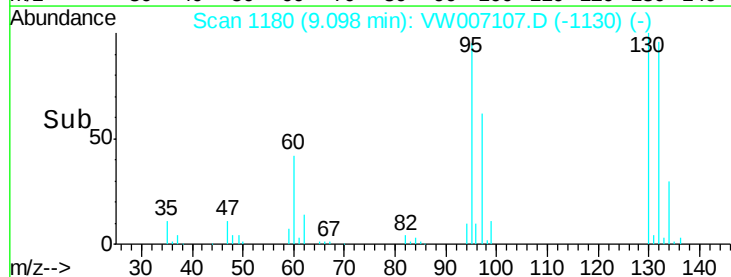
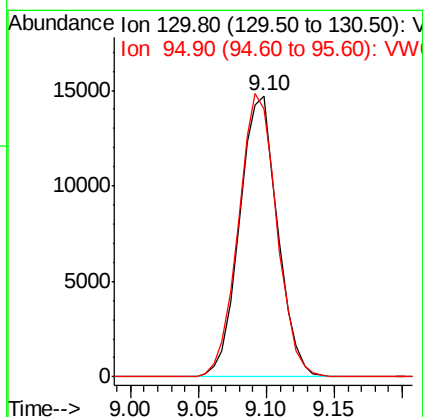
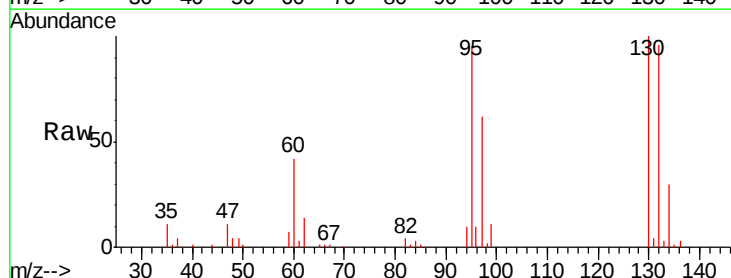
Acq: 28 Nov 2018 12:35

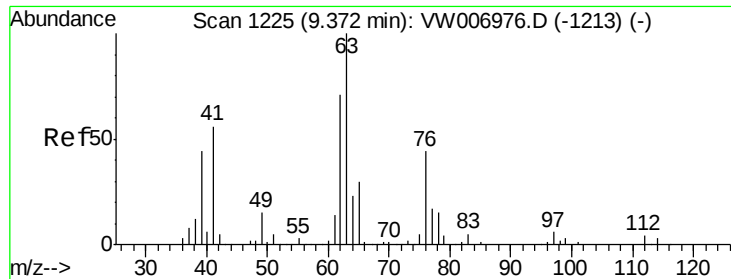
Tgt Ion: 130 Resp: 28748

Ion Ratio Lower Upper

130 100

95 95.4 0.0 206.4

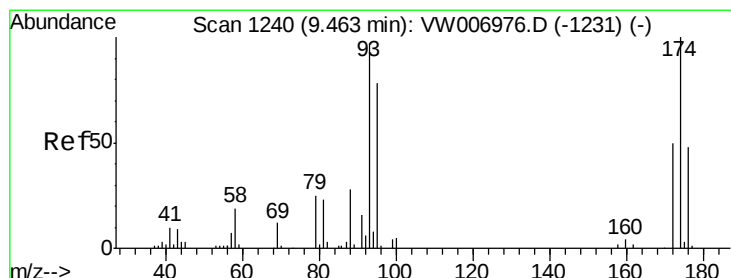
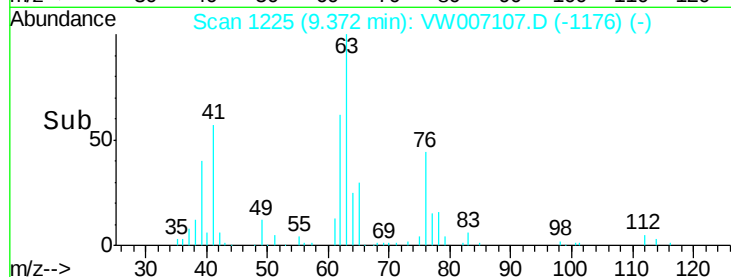
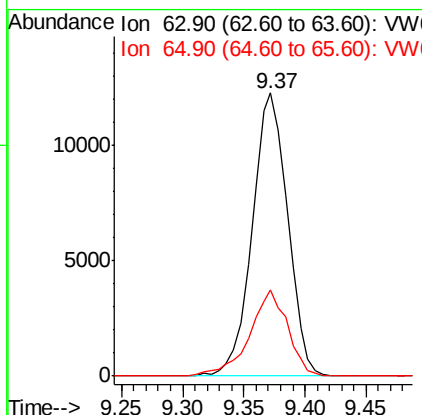
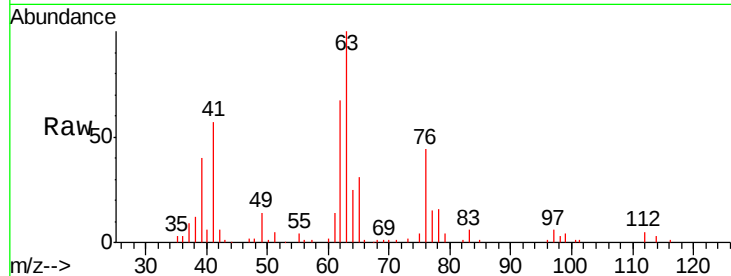




#45
 1,2-Dichloropropane
 Concen: 23.63 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

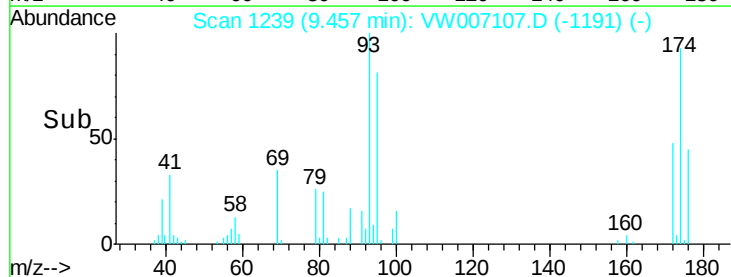
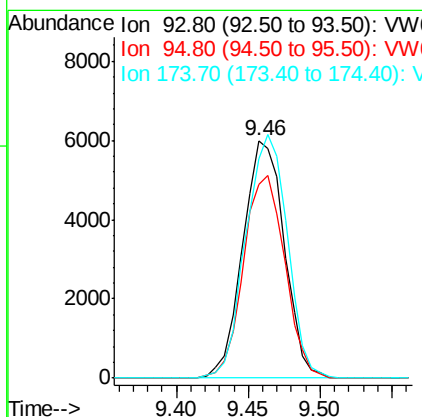
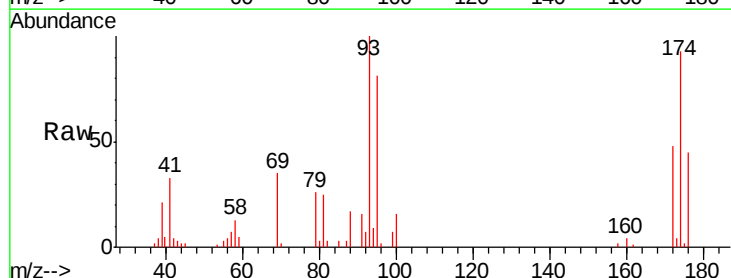
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

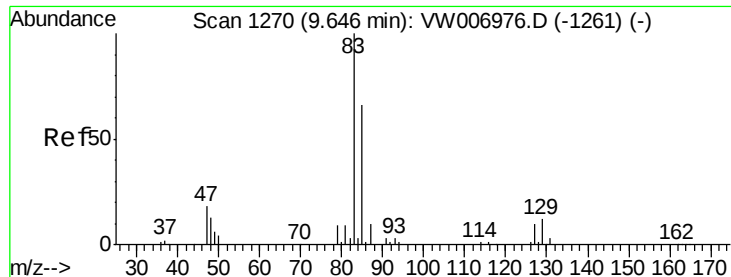
Tgt Ion: 63 Resp: 24805
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 22.79 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion: 93 Resp: 11981
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.1 99.1
 174 102.2 79.7 119.5





#47

Bromodichloromethane

Concen: 24.08 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

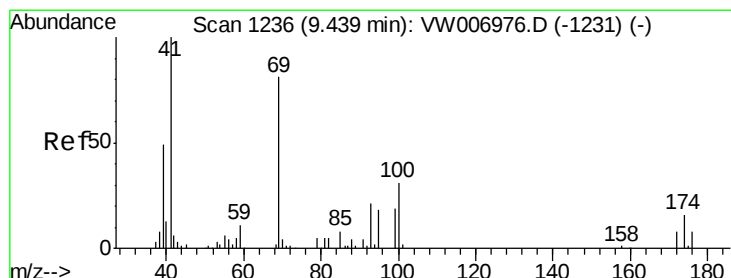
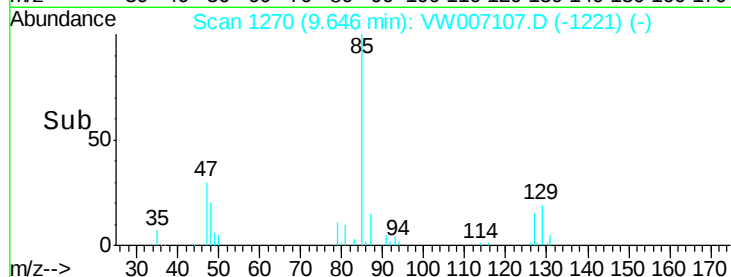
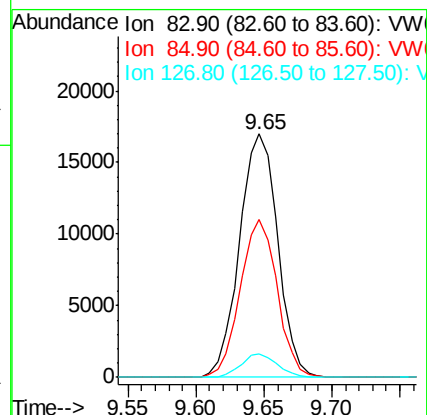
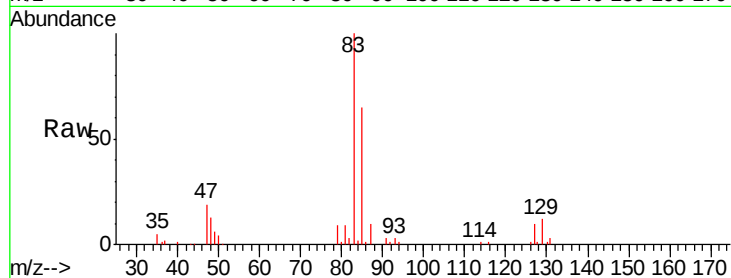
Tgt Ion: 83 Resp: 33357

Ion Ratio Lower Upper

83 100

85 64.8 52.9 79.3

127 9.5 7.8 11.6



#48

Methyl methacrylate

Concen: 22.38 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

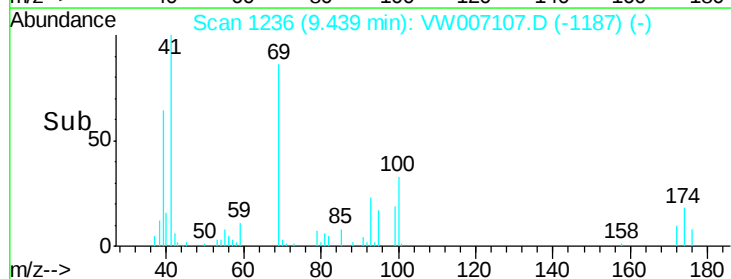
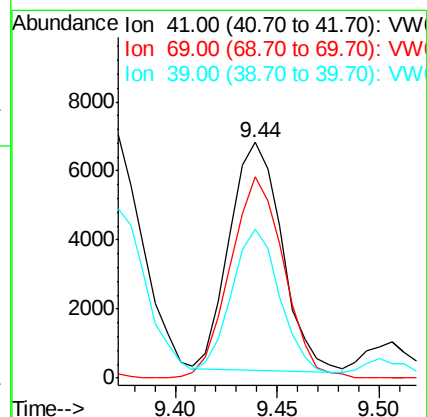
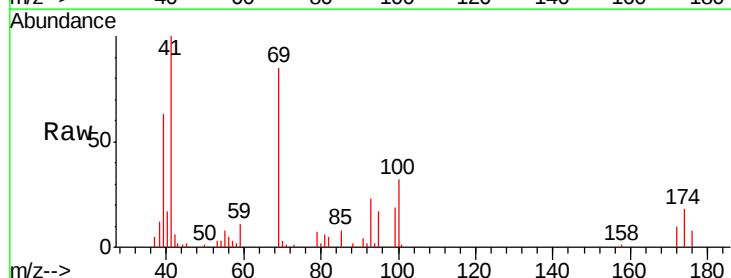
Tgt Ion: 41 Resp: 11754

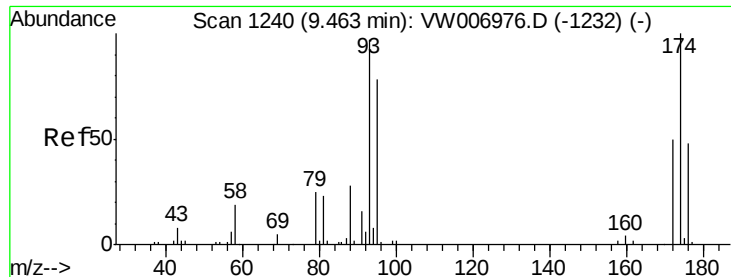
Ion Ratio Lower Upper

41 100

69 90.3 71.4 107.0

39 58.7 44.8 67.2

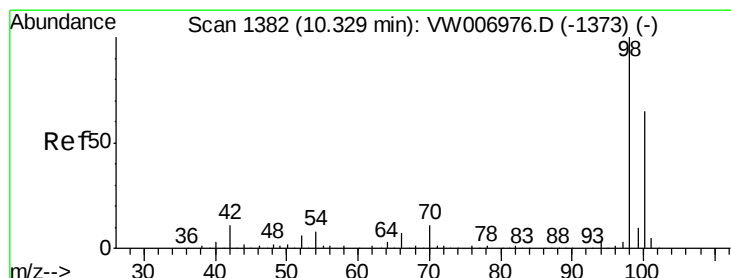
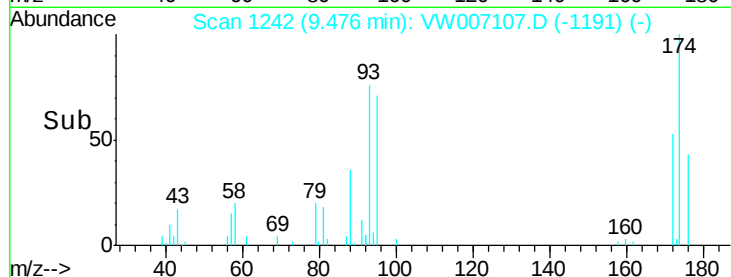
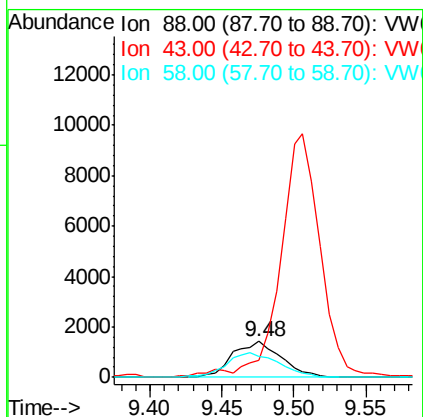
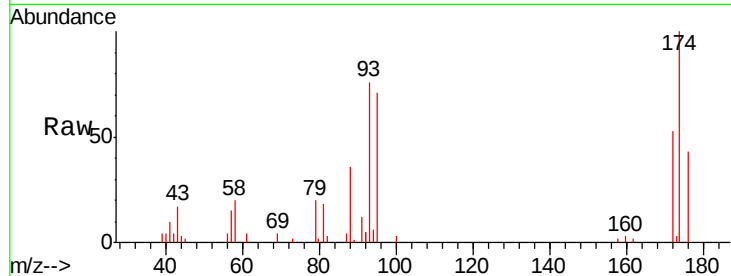




#49
1,4-Dioxane
Concen: 429.76 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

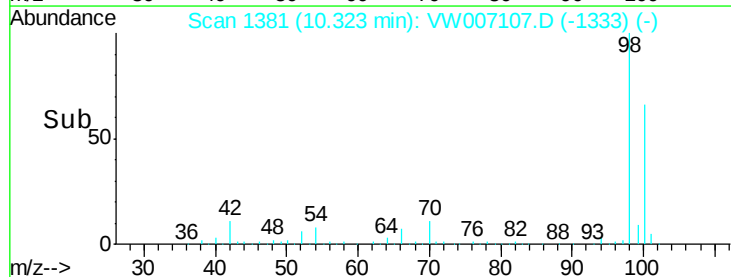
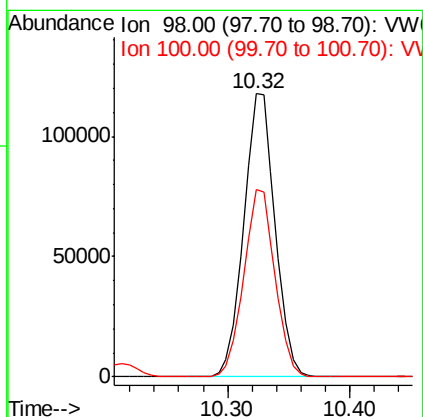
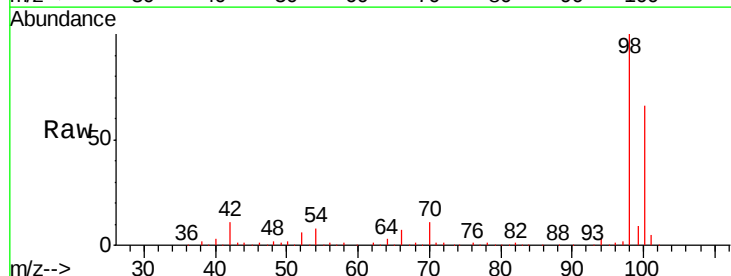
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

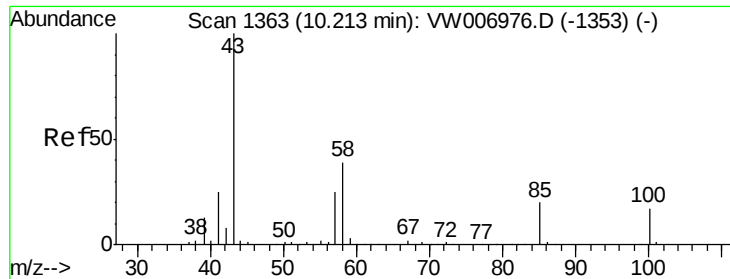
Tgt Ion: 88 Resp: 3358
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 73.8 59.0 88.6



#50
Toluene-d8
Concen: 51.84 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion: 98 Resp: 208719
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 110.86 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

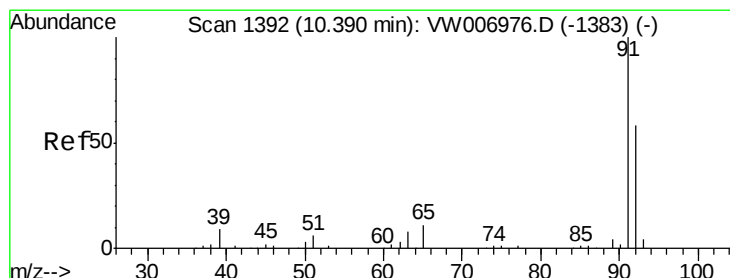
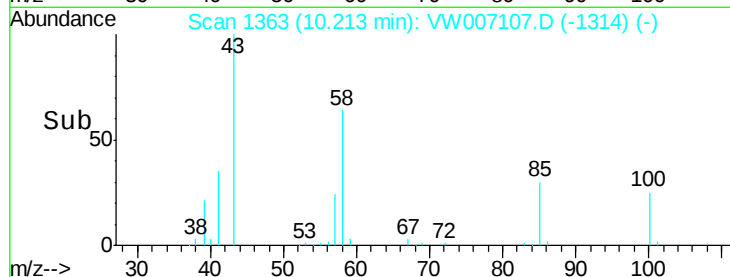
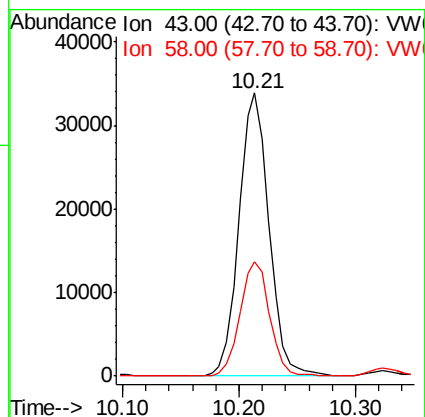
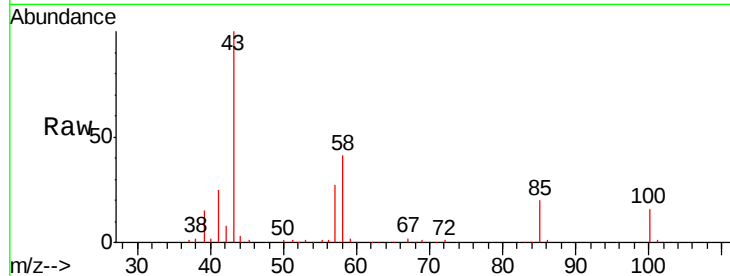
VW1128SBS01

Tgt Ion: 43 Resp: 61034

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



#52

Toluene

Concen: 23.50 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007107.D

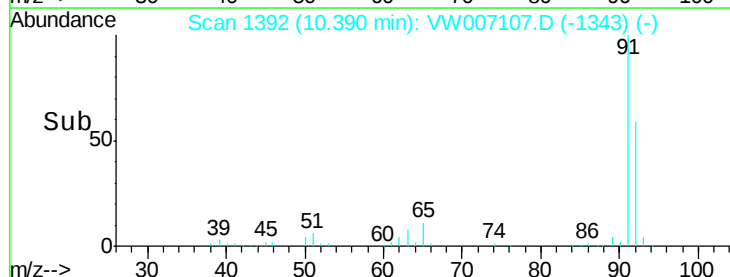
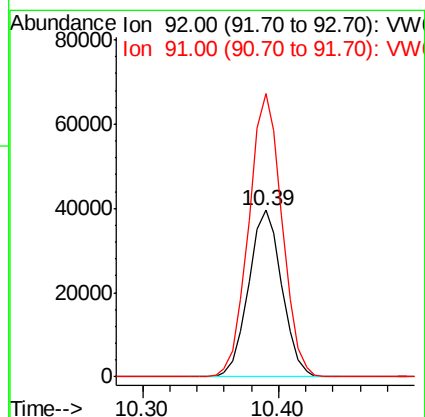
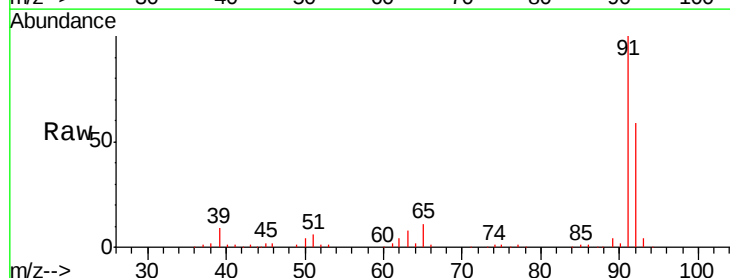
Acq: 28 Nov 2018 12:35

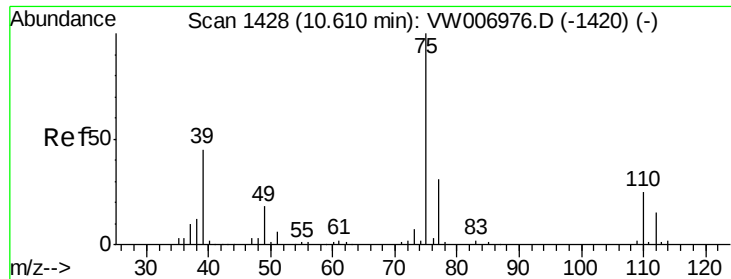
Tgt Ion: 92 Resp: 68117

Ion Ratio Lower Upper

92 100

91 169.6 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 23.87 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

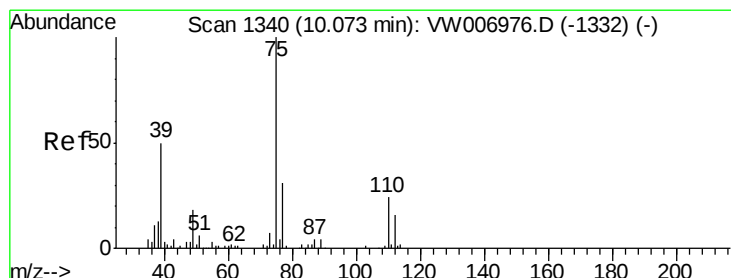
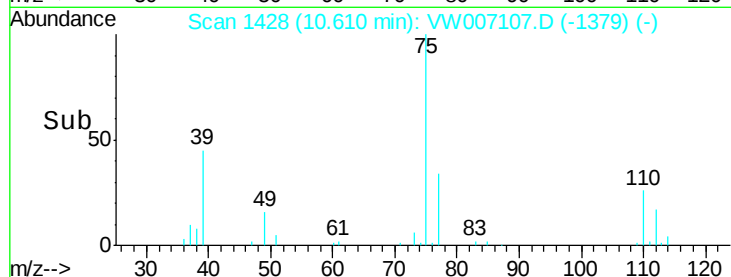
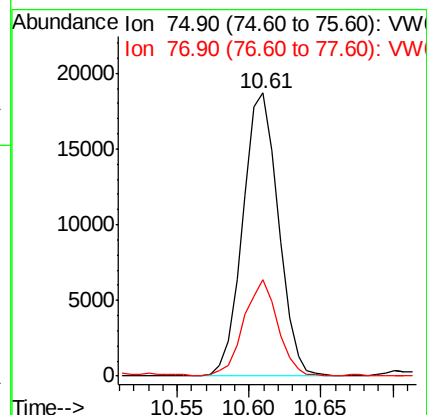
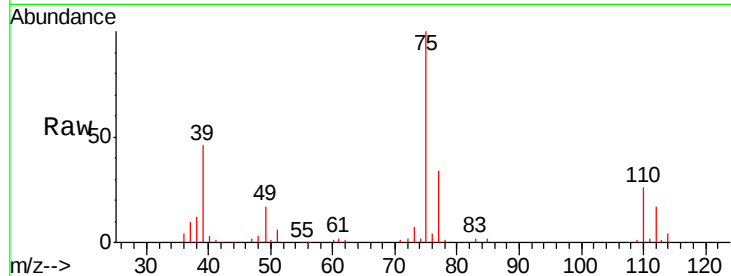
VW1128SBS01

Tgt Ion: 75 Resp: 32023

Ion Ratio Lower Upper

75 100

77 34.3 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 23.84 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

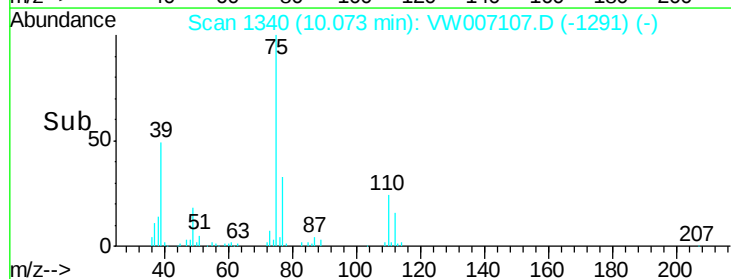
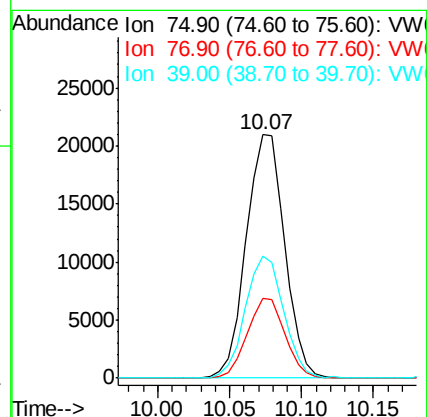
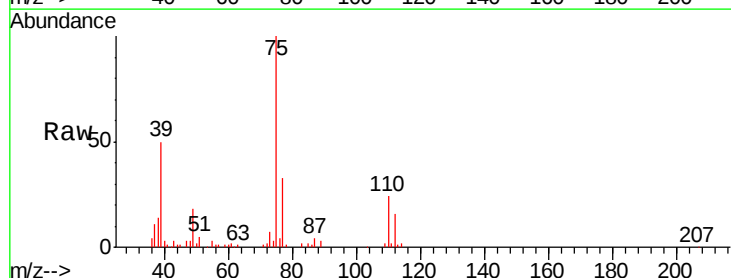
Tgt Ion: 75 Resp: 38652

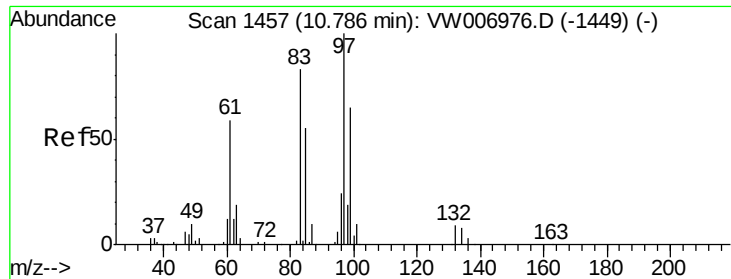
Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.6

39 50.0 39.9 59.9

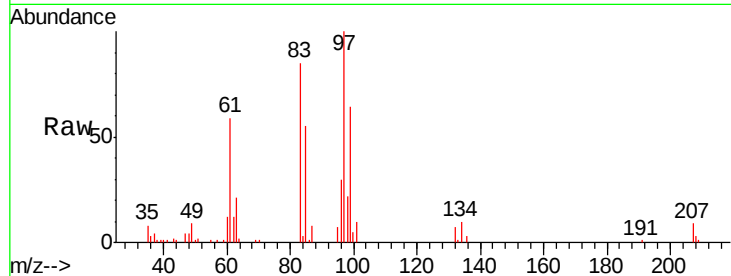




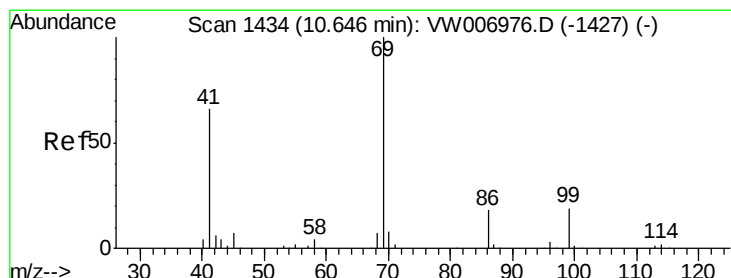
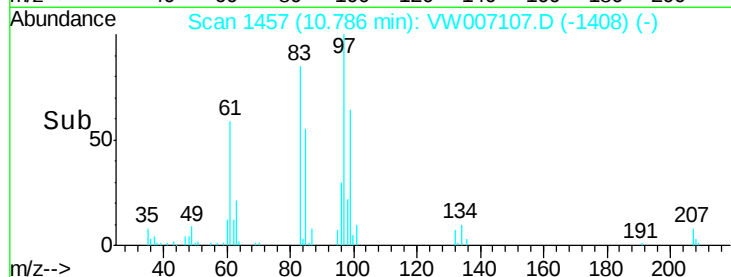
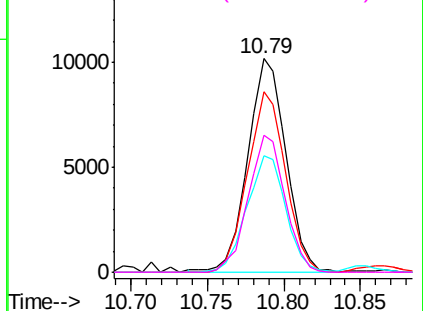
#55
 1,1,2-Trichloroethane
 Concen: 22.74 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

Tgt Ion:	97	Resp:	17589
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.4	99.6
85	54.6	44.1	66.1
99	64.4	51.7	77.5

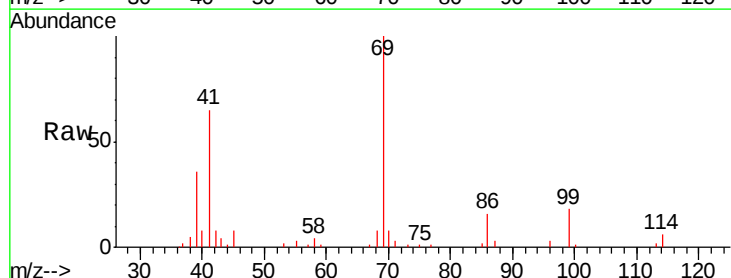


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

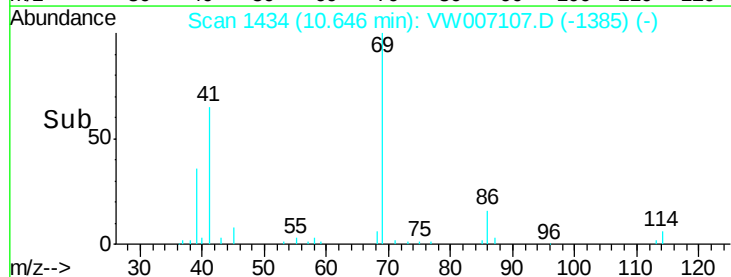
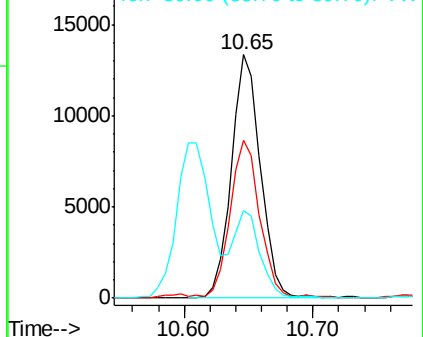


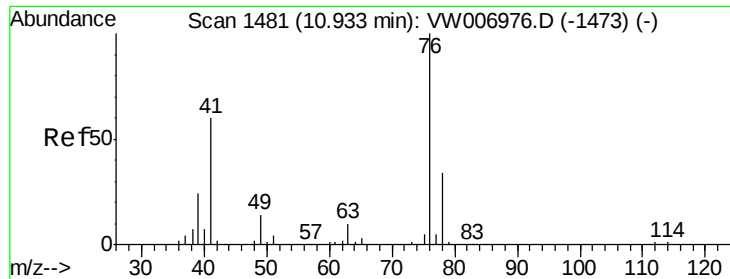
#56
 Ethyl methacrylate
 Concen: 23.42 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion:	69	Resp:	21029
Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.4	80.0
39	31.0	28.2	42.4



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





#57

1,3-Dichloropropane

Concen: 23.18 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

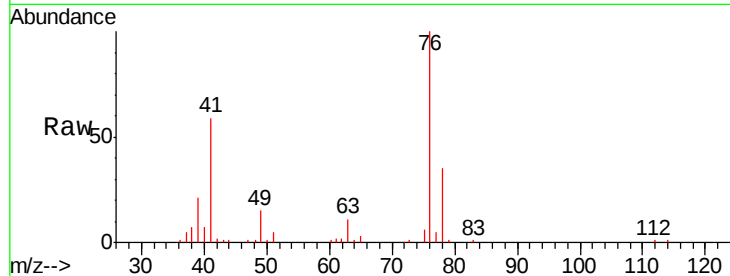
VW1128SBS01

Tgt Ion: 76 Resp: 30047

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

20000

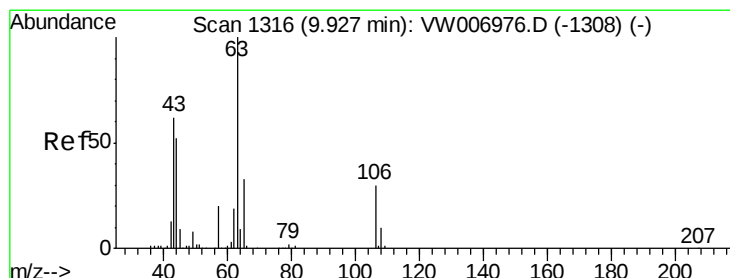
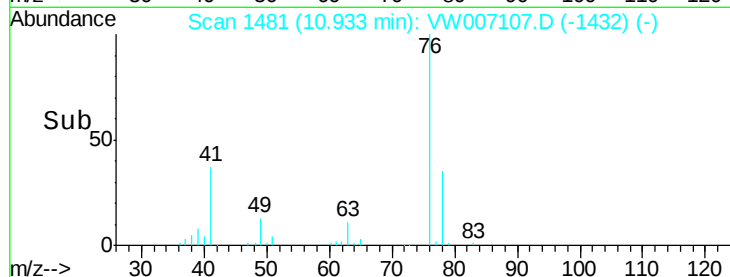
15000

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 111.14 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007107.D

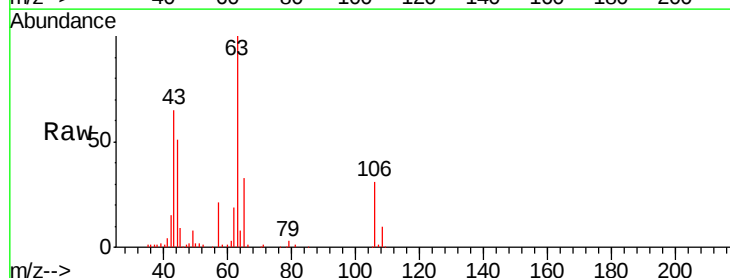
Acq: 28 Nov 2018 12:35

Tgt Ion: 63 Resp: 52140

Ion Ratio Lower Upper

63 100

106 29.4 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

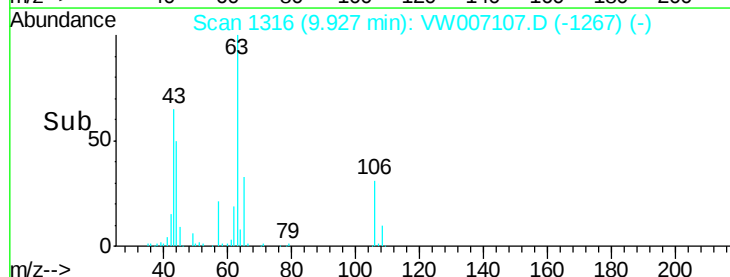
30000

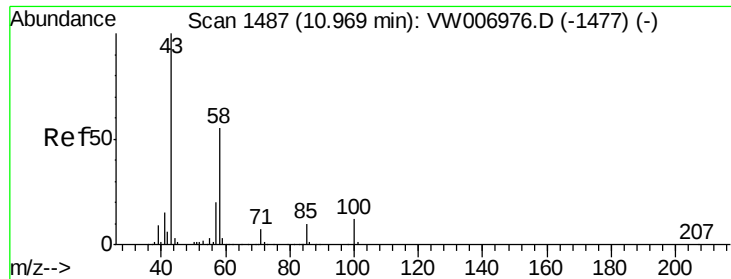
20000

10000

0

Time-->





#59

2-Hexanone

Concen: 114.22 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

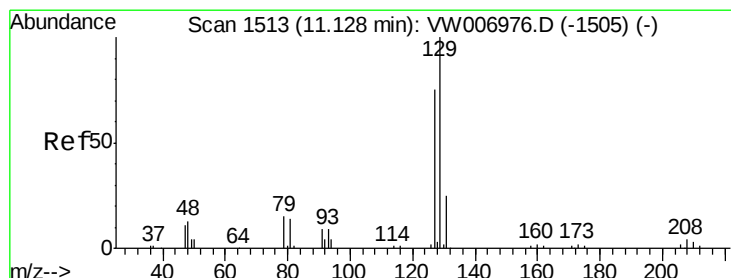
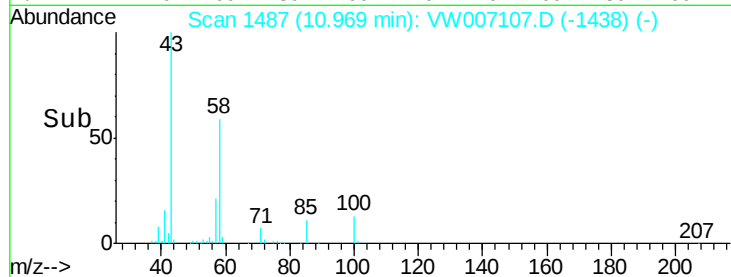
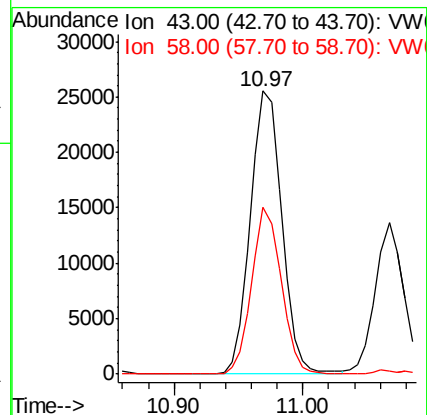
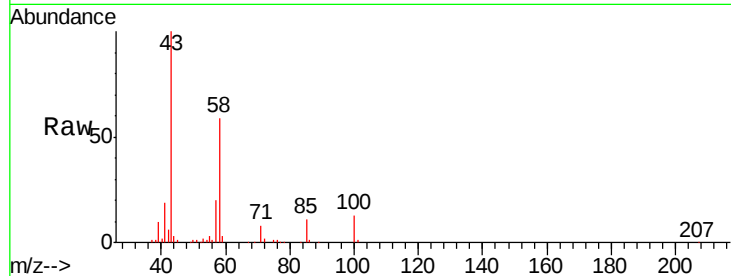
VW1128SBS01

Tgt Ion: 43 Resp: 43064

Ion Ratio Lower Upper

43 100

58 55.6 27.3 81.8



#60

Dibromochloromethane

Concen: 24.09 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007107.D

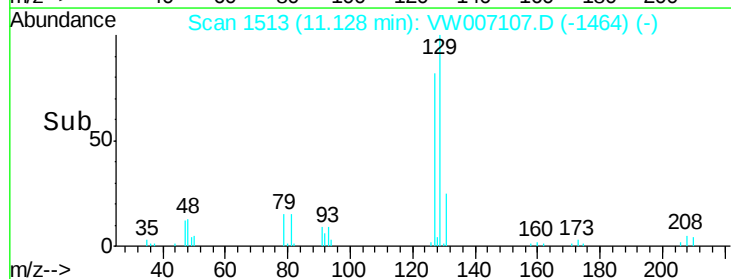
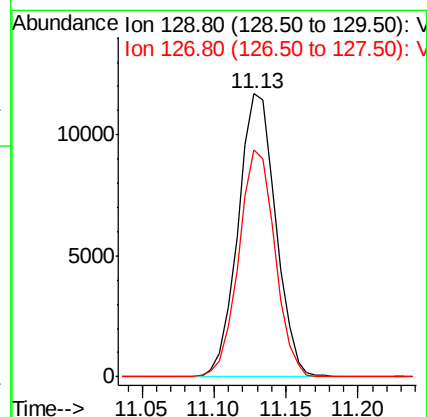
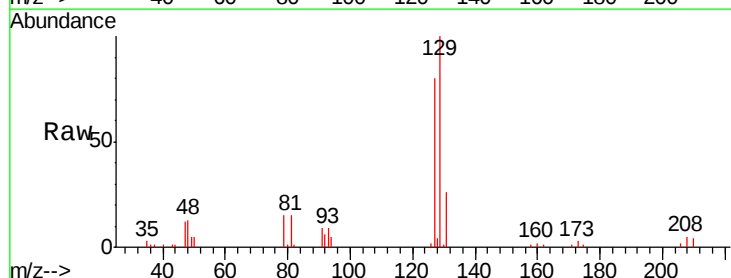
Acq: 28 Nov 2018 12:35

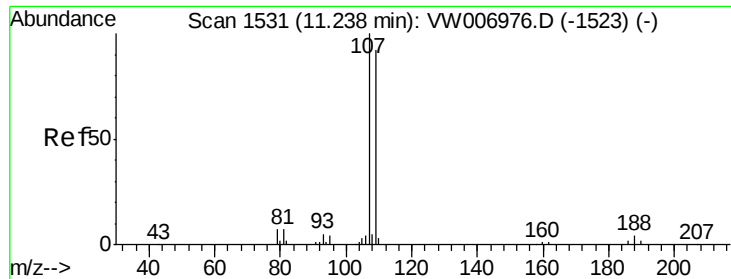
Tgt Ion: 129 Resp: 21234

Ion Ratio Lower Upper

129 100

127 77.1 38.3 114.8

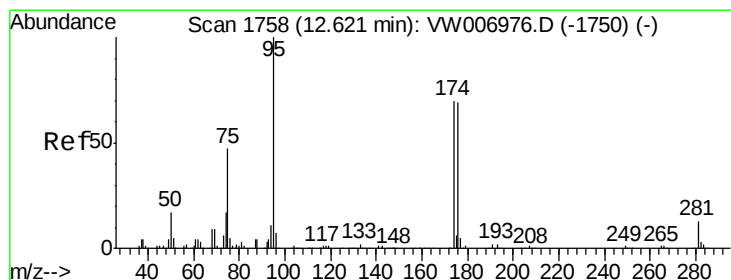
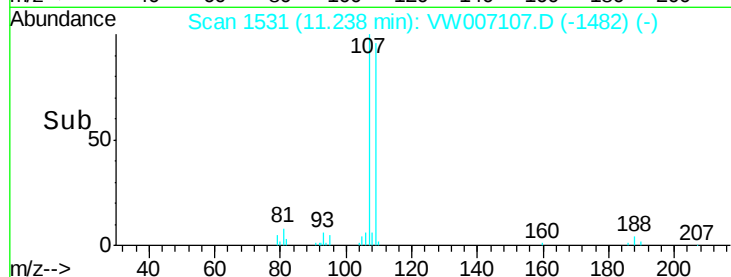
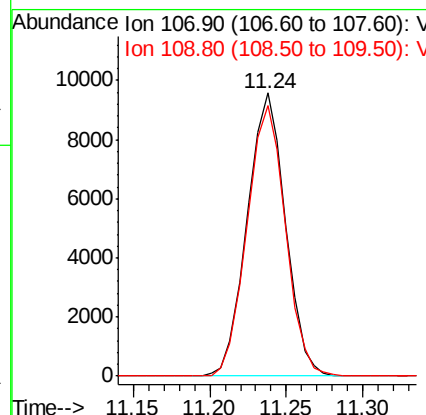
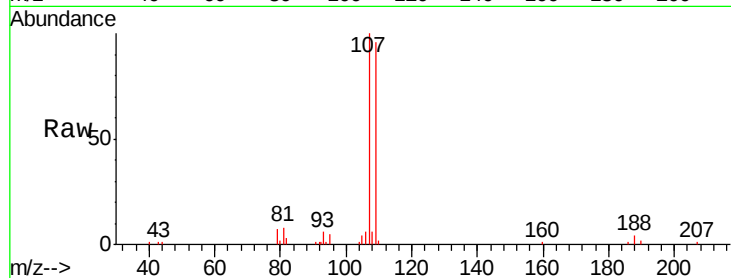




#61
 1,2-Dibromoethane
 Concen: 23.47 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

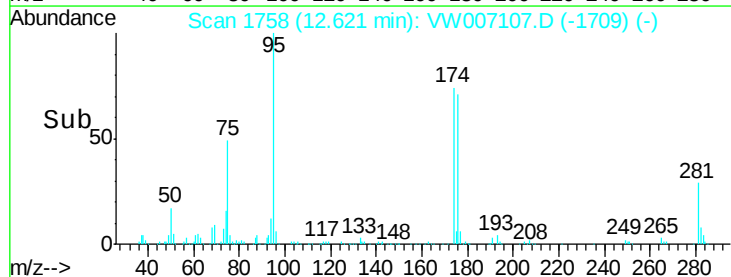
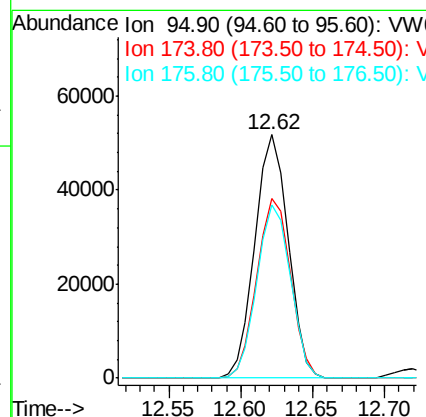
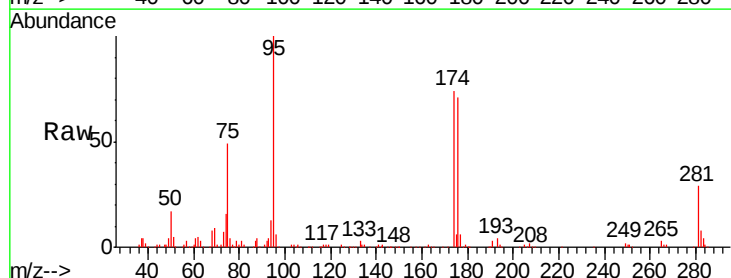
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

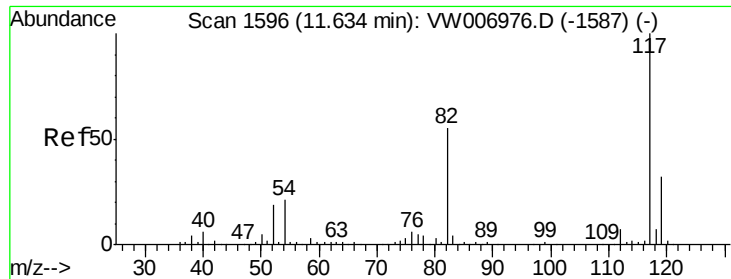
Tgt Ion: 107 Resp: 16603
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.34 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion: 95 Resp: 82925
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 143.6
 176 71.7 0.0 140.4

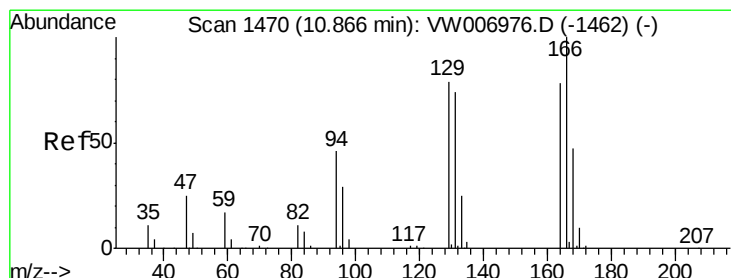
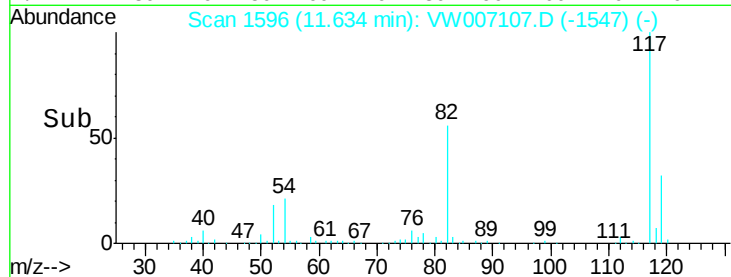
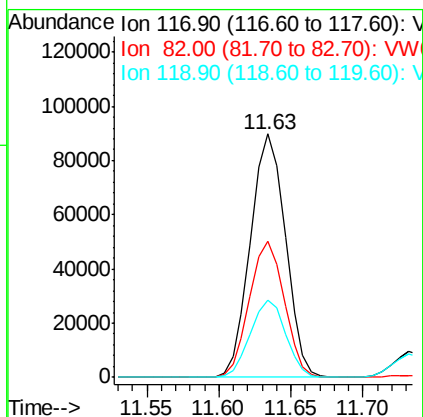
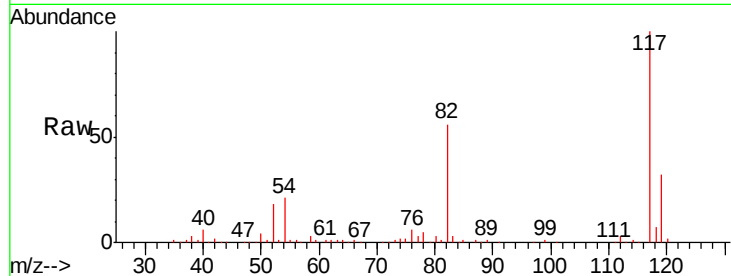




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

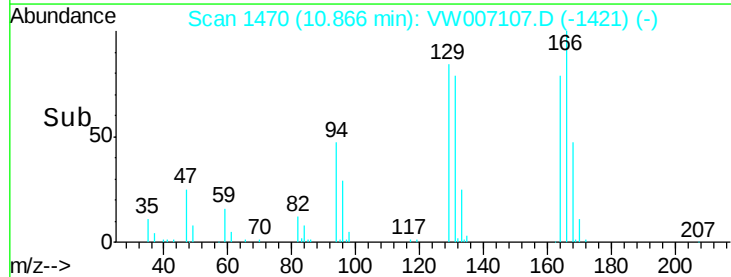
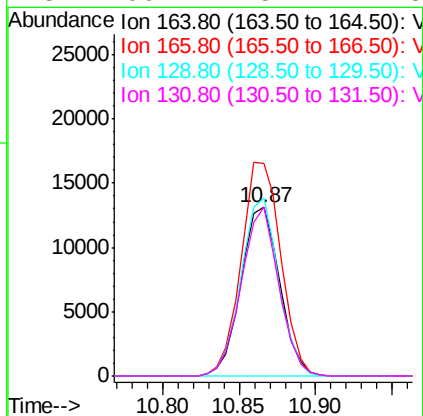
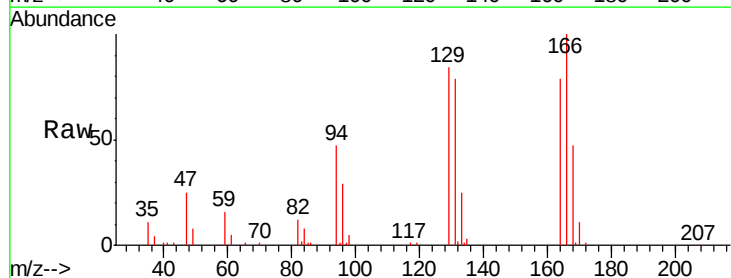
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

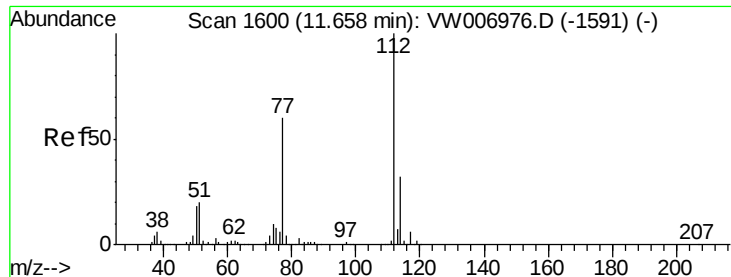
Tgt Ion:117 Resp: 151467
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 31.9 25.9 38.9



#64
Tetrachloroethene
Concen: 23.77 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:164 Resp: 23164
Ion Ratio Lower Upper
164 100
166 126.3 102.1 153.1
129 105.9 80.4 120.6
131 100.2 75.2 112.8

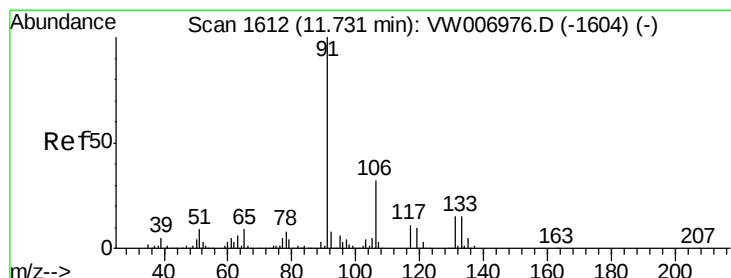
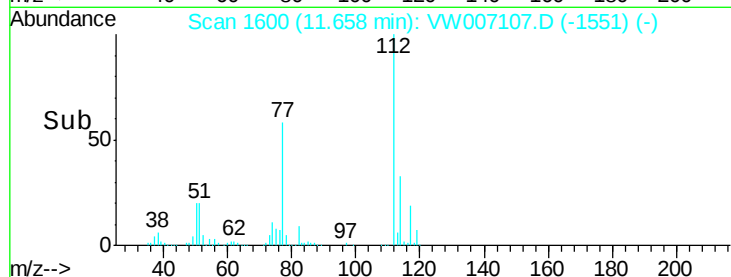
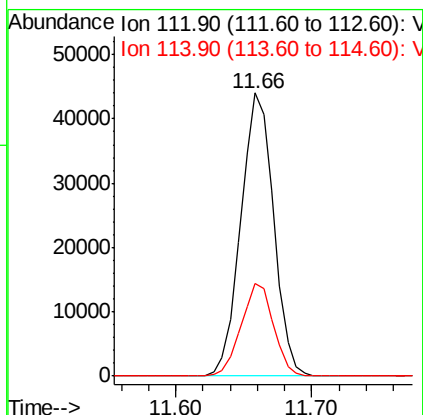
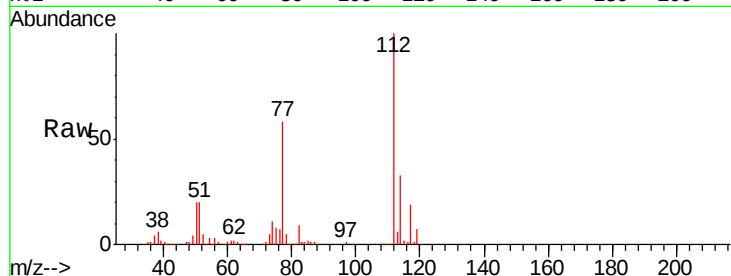




#65
Chlorobenzene
Concen: 23.54 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

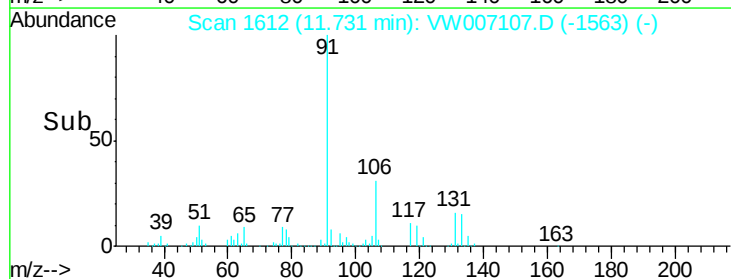
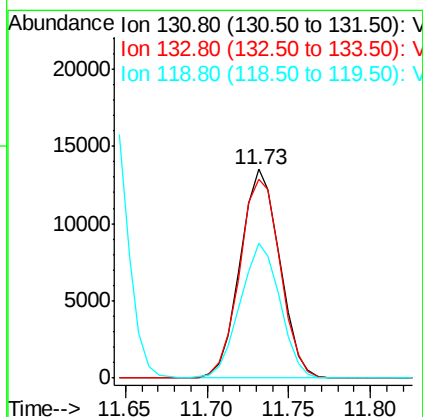
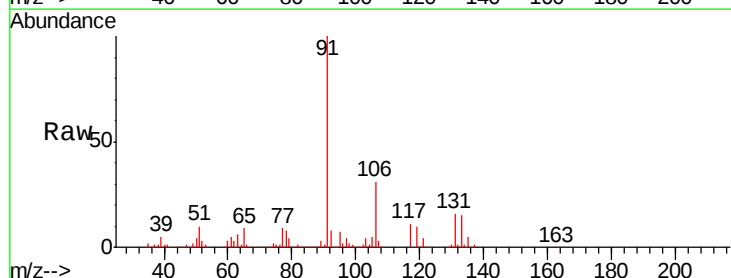
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

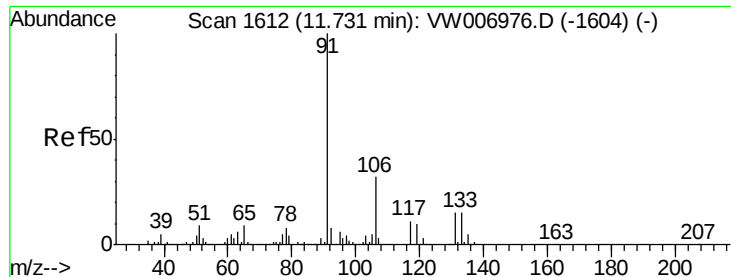
Tgt Ion:112 Resp: 74421
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.86 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:131 Resp: 22822
Ion Ratio Lower Upper
131 100
133 97.8 47.7 143.1
119 65.5 31.8 95.3

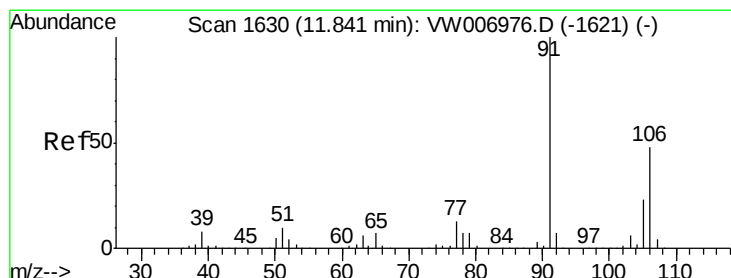
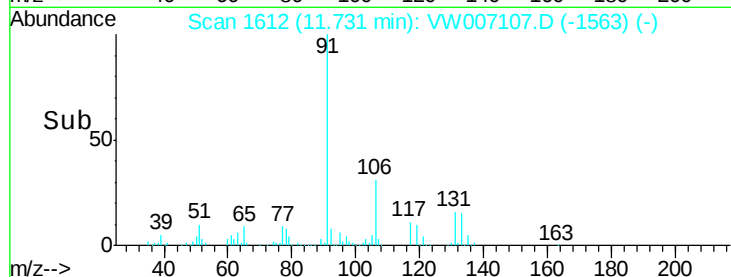
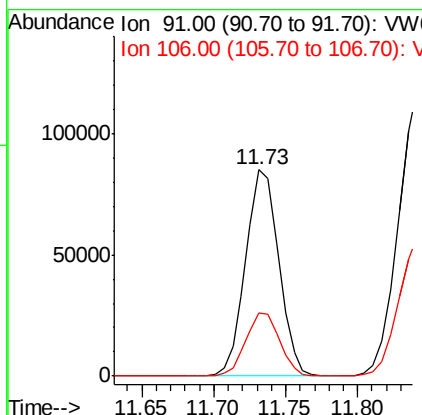
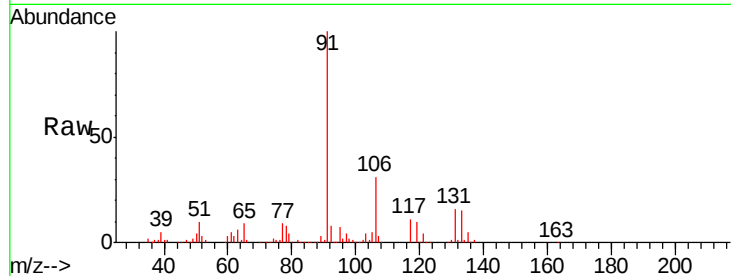




#67
Ethyl Benzene
Concen: 23.42 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

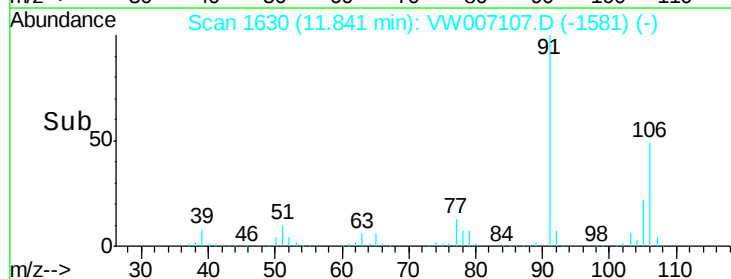
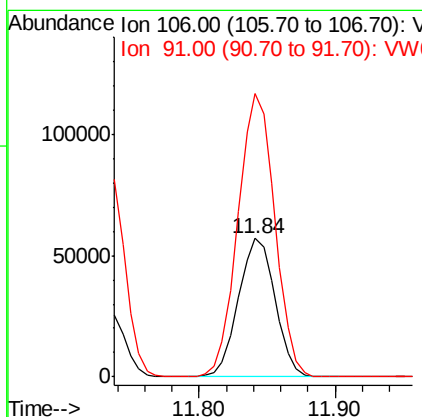
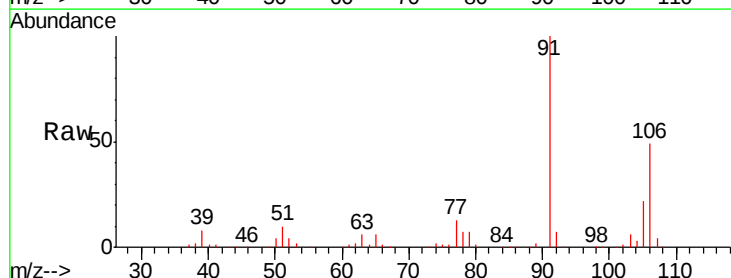
Instrument :
MSVOA_W
ClientSampled :
VW1128SBS01

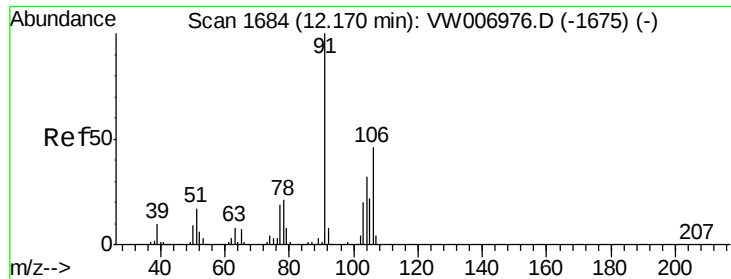
Tgt Ion: 91 Resp: 135986
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2



#68
m/p-Xylenes
Concen: 47.23 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion: 106 Resp: 107607
Ion Ratio Lower Upper
106 100
91 205.5 164.8 247.2

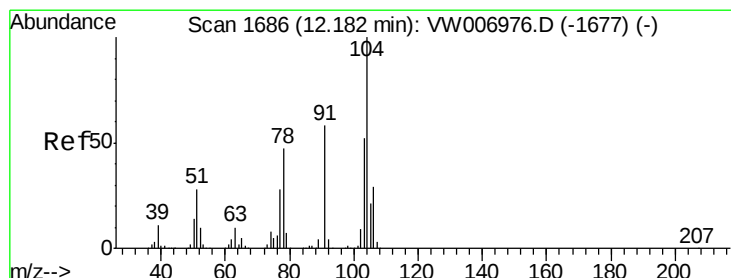
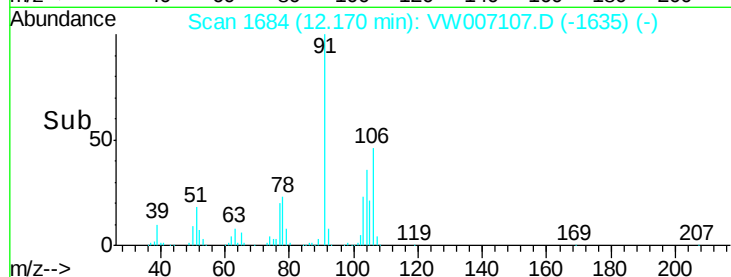
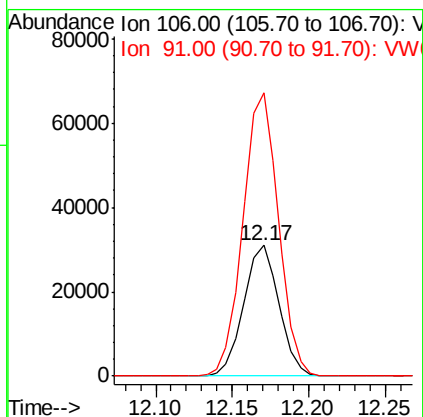
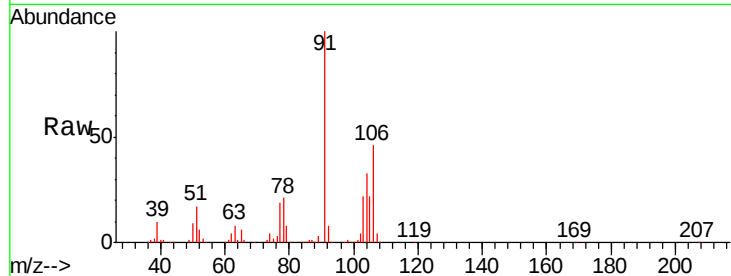




#69
o-Xylene
Concen: 23.21 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

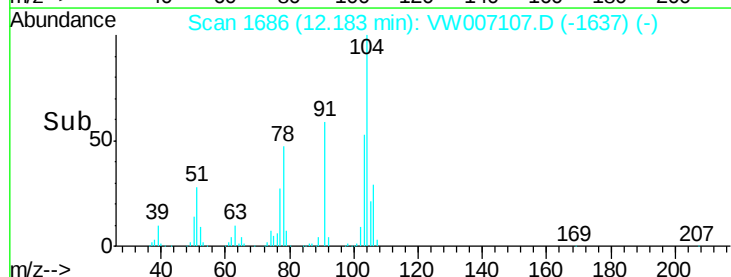
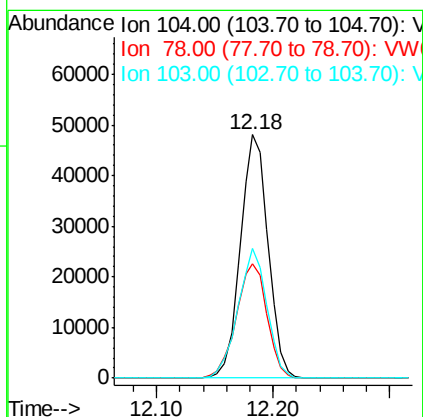
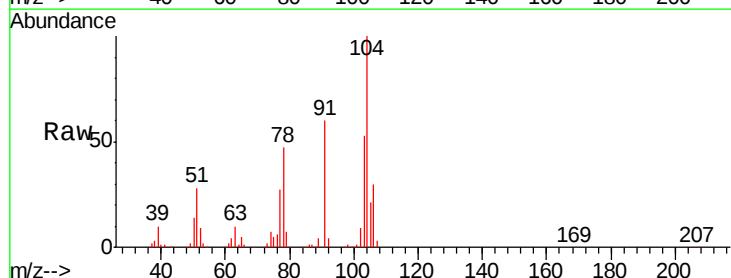
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

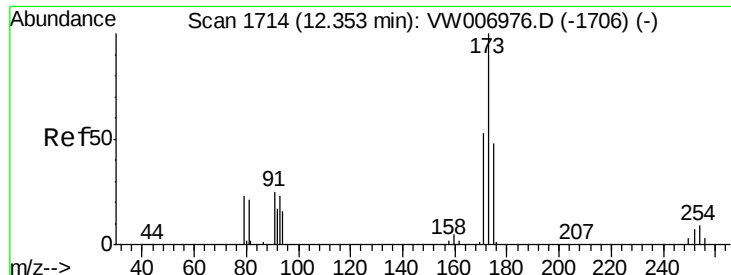
Tgt Ion:106 Resp: 49874
Ion Ratio Lower Upper
106 100
91 217.5 107.9 323.8



#70
Styrene
Concen: 23.30 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:104 Resp: 79663
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 55.7 44.4 66.6

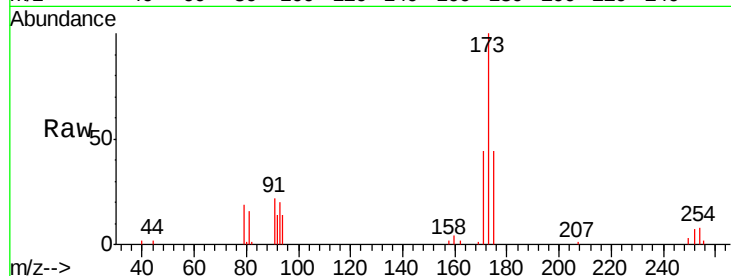




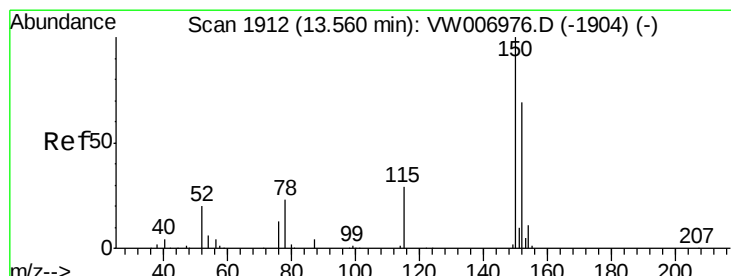
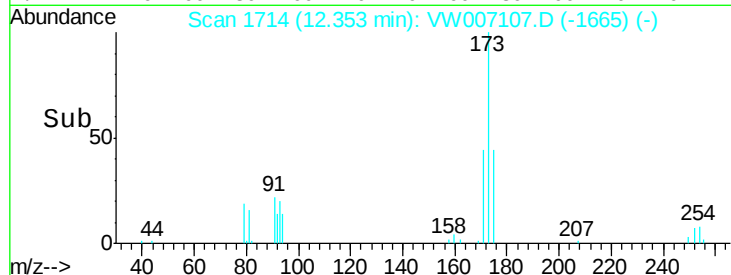
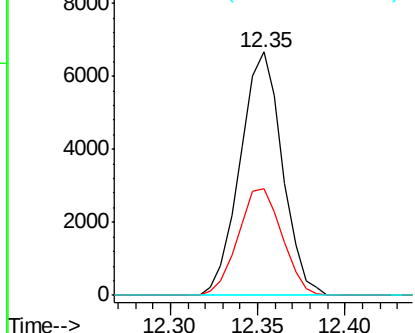
#71
Bromoform
Concen: 24.73 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

Tgt Ion:173 Resp: 11141
Ion Ratio Lower Upper
173 100
175 45.8 24.0 72.0
254 0.0 0.0 0.0

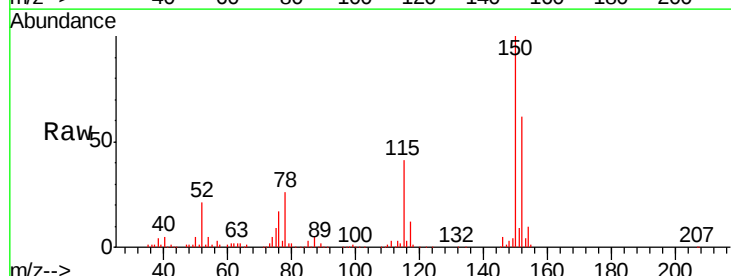


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

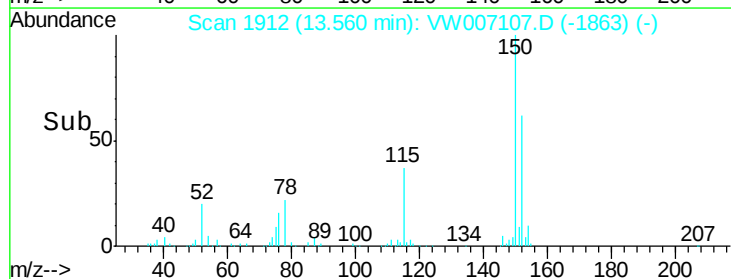
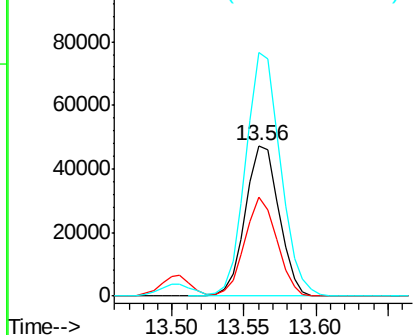


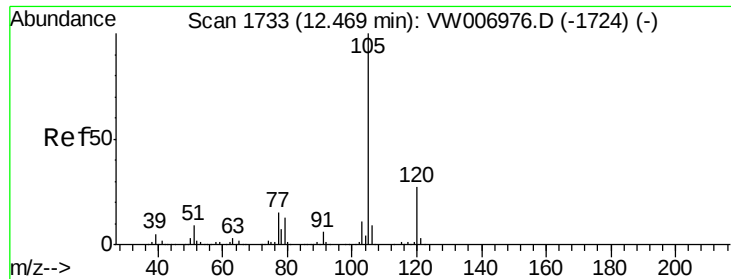
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:152 Resp: 76430
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.2
150 167.4 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: 23.48 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

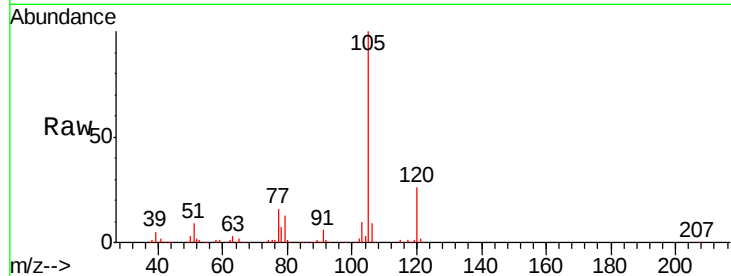
VW1128SBS01

Tgt Ion:105 Resp: 139454

Ion Ratio Lower Upper

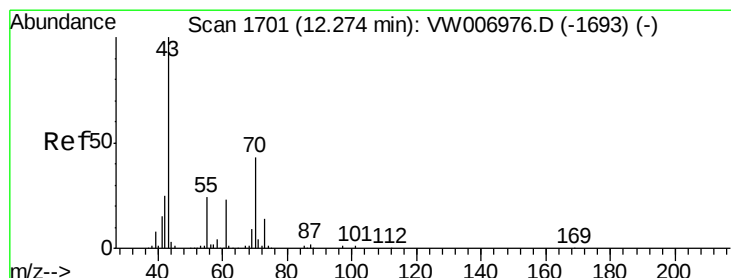
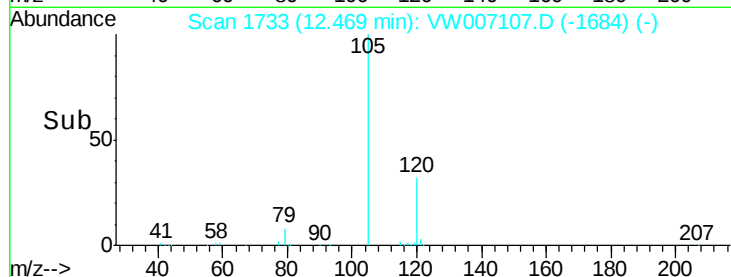
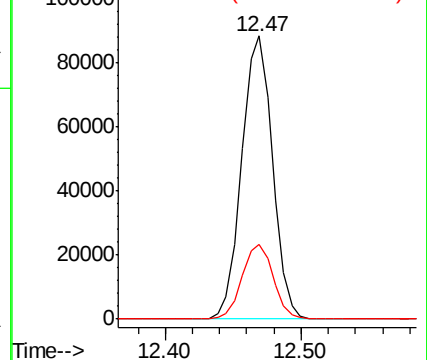
105 100

120 26.7 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: 24.02 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Tgt Ion: 43 Resp: 23916

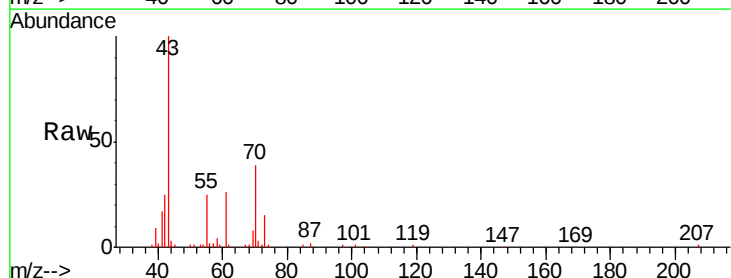
Ion Ratio Lower Upper

43 100

70 42.2 34.0 51.0

55 25.4 19.4 29.0

61 24.6 19.4 29.2

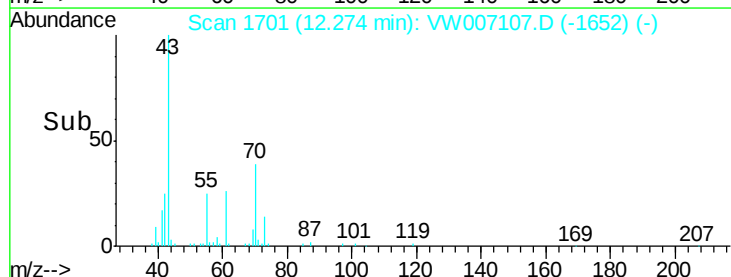
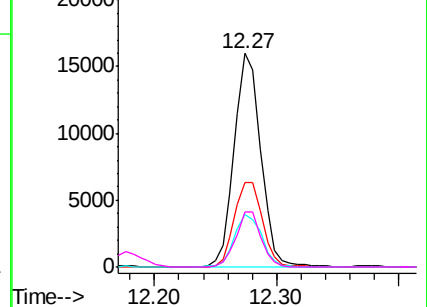


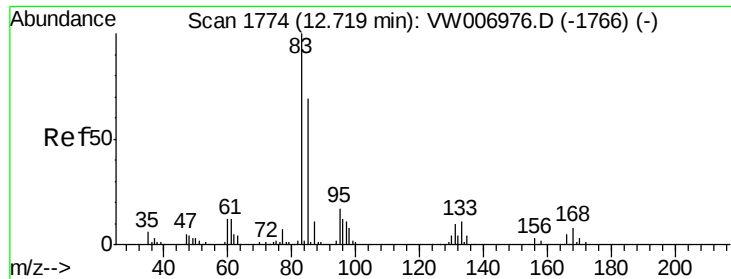
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 22.65 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

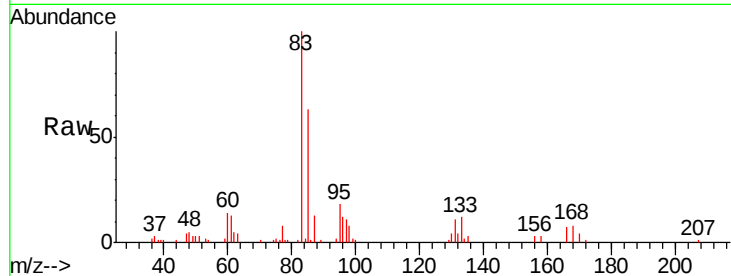
Tgt Ion: 83 Resp: 17905

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

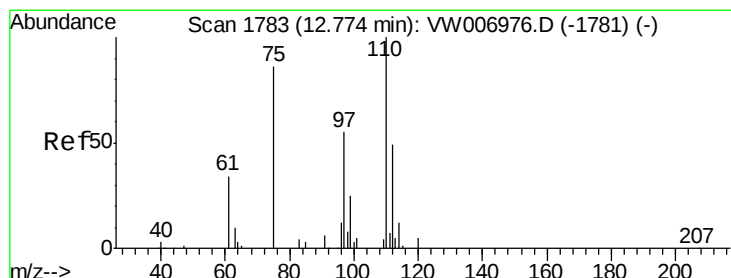
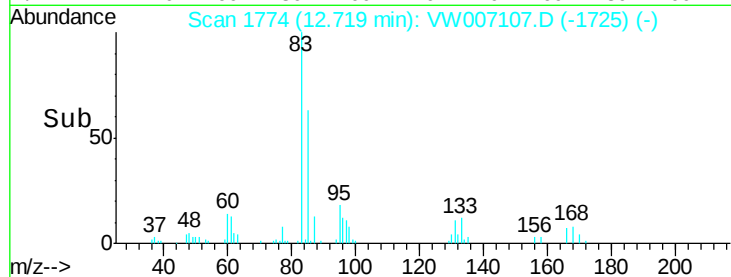
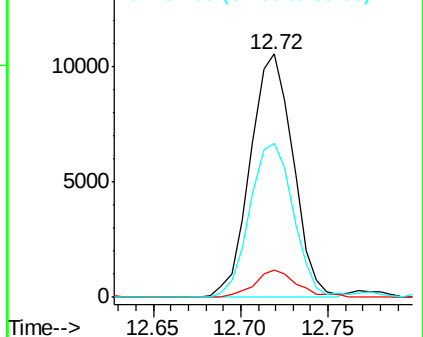
85 64.8 33.1 99.2



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: 41.98 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007107.D

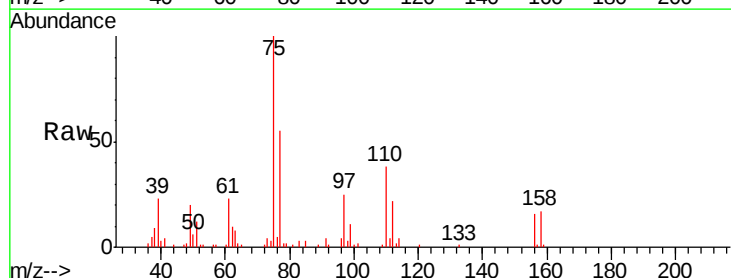
Acq: 28 Nov 2018 12:35

Tgt Ion: 75 Resp: 25212

Ion Ratio Lower Upper

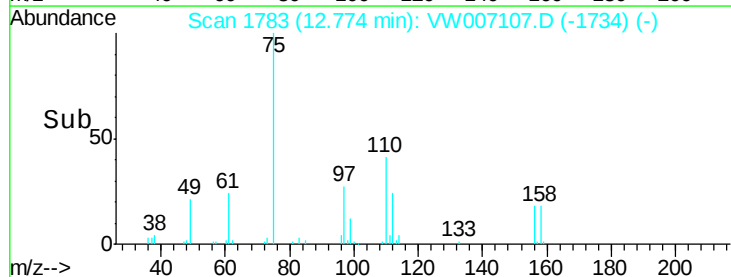
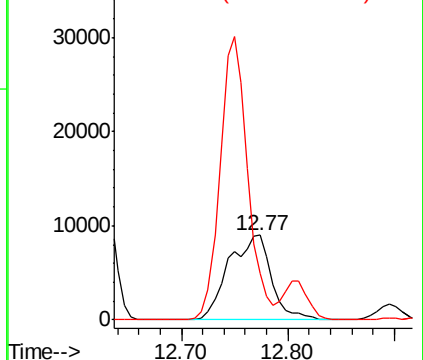
75 100

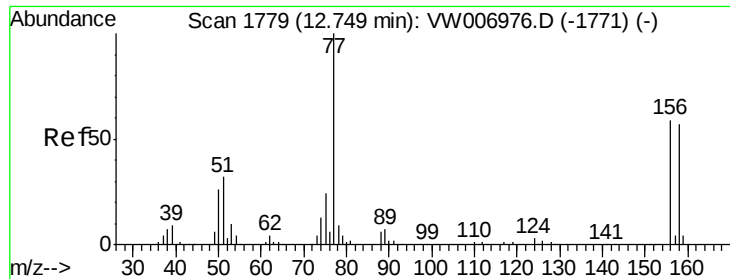
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 23.37 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

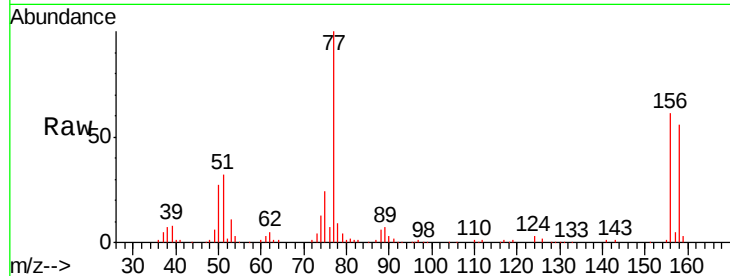
Tgt Ion:156 Resp: 29813

Ion Ratio Lower Upper

156 100

77 182.4 94.6 283.8

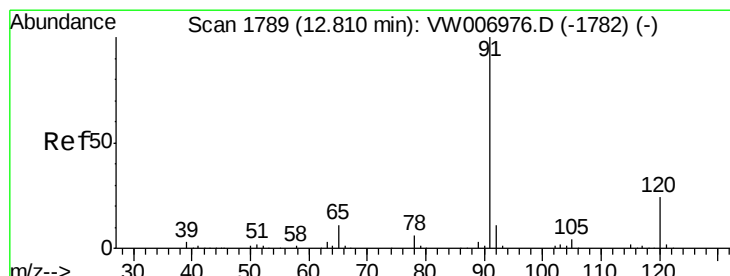
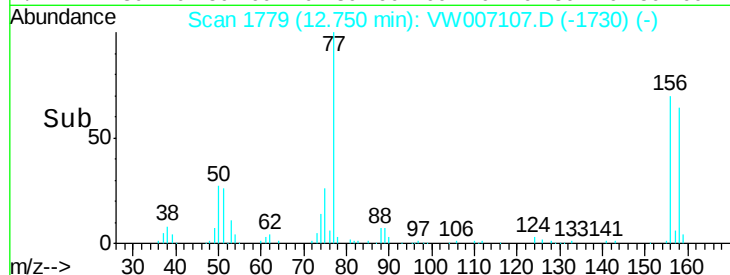
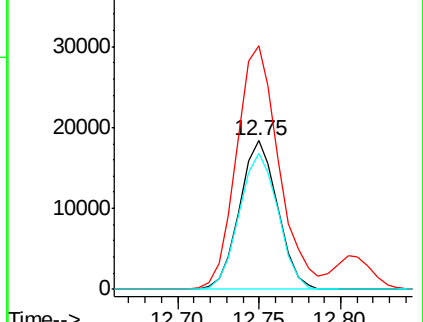
158 93.3 48.9 146.7



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: 23.02 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007107.D

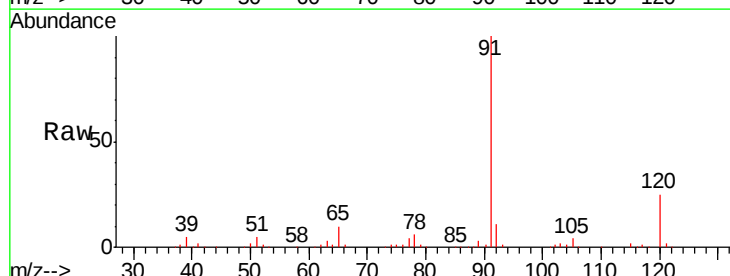
Acq: 28 Nov 2018 12:35

Tgt Ion: 91 Resp: 165614

Ion Ratio Lower Upper

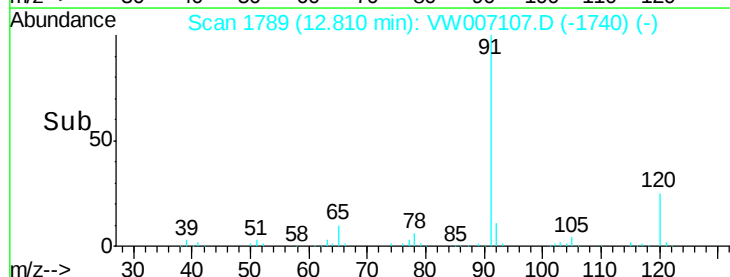
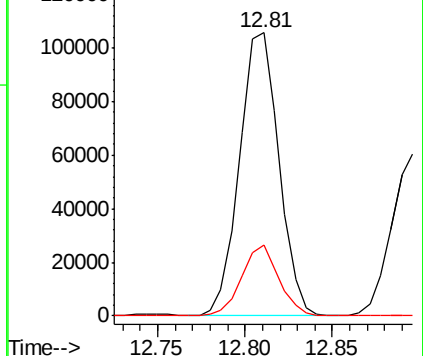
91 100

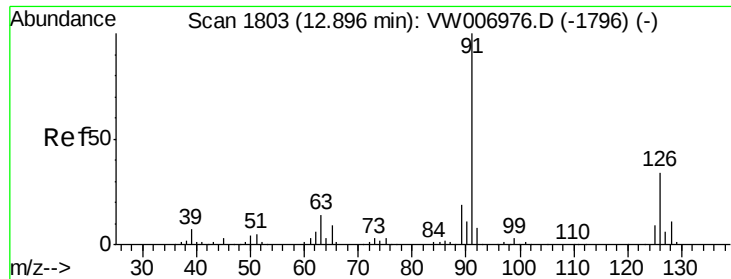
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.22 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

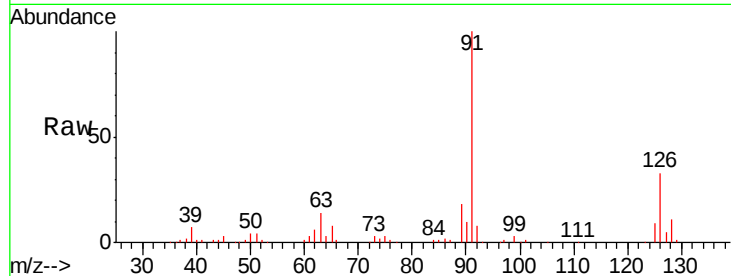
VW1128SBS01

Tgt Ion: 91 Resp: 96350

Ion Ratio Lower Upper

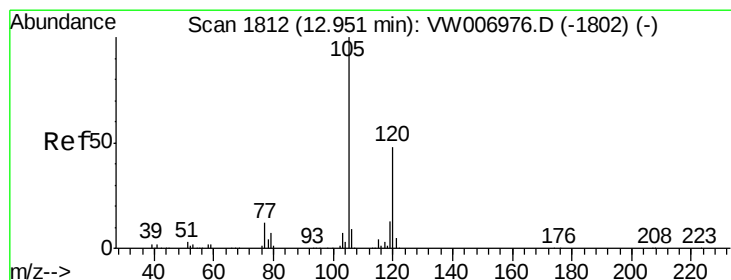
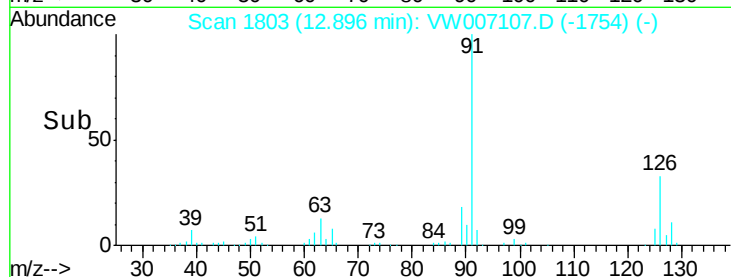
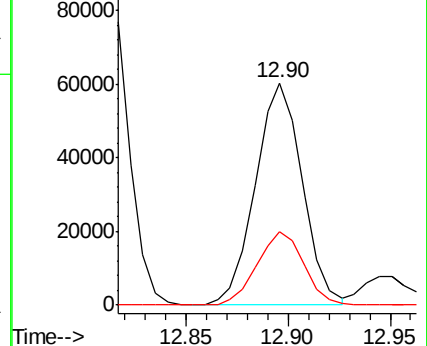
91 100

126 33.0 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: 23.03 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007107.D

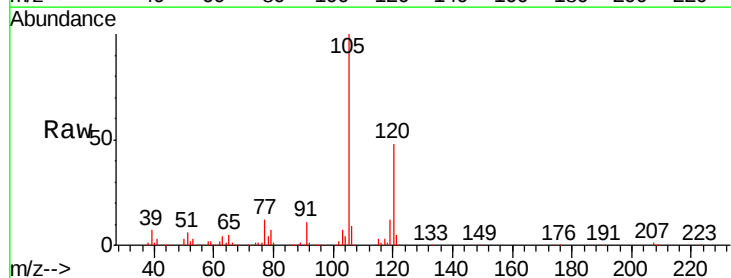
Acq: 28 Nov 2018 12:35

Tgt Ion: 105 Resp: 118318

Ion Ratio Lower Upper

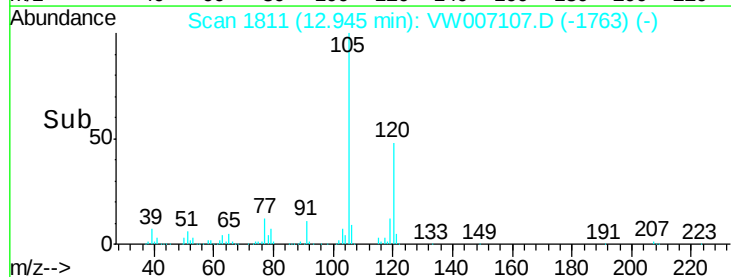
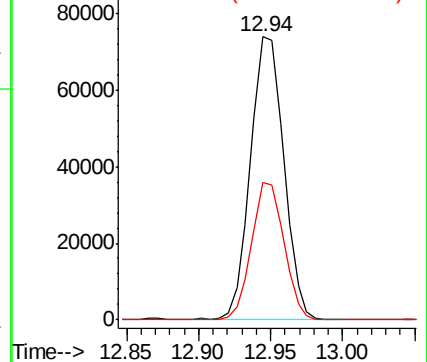
105 100

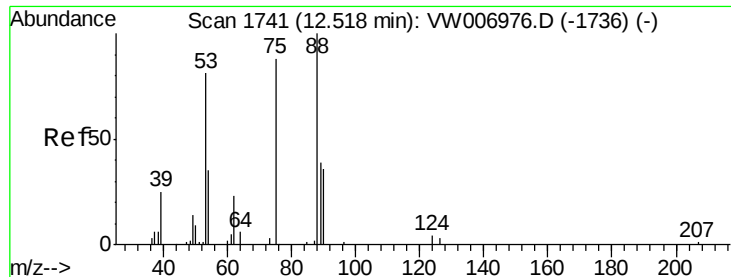
120 47.3 23.8 71.2



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: 22.36 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

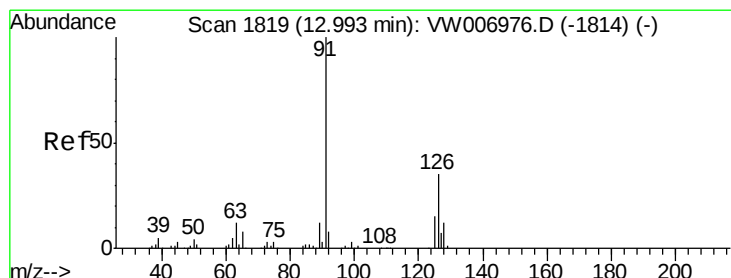
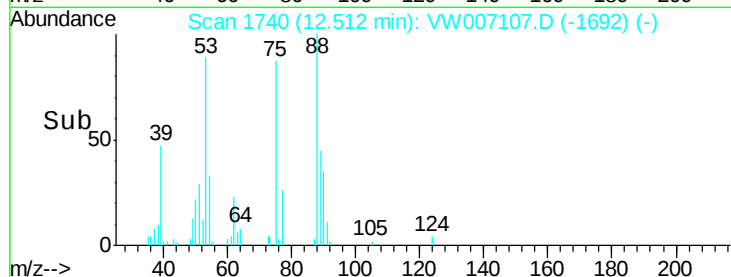
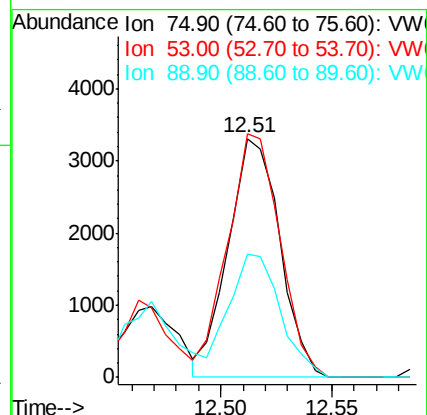
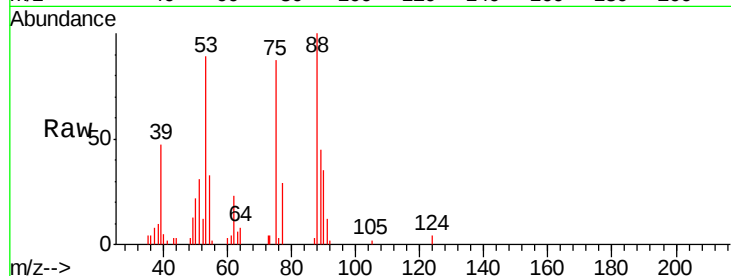
Tgt Ion: 75 Resp: 5349

Ion Ratio Lower Upper

75 100

53 103.2 77.6 116.4

89 51.1 39.3 58.9



#82

4-Chlorotoluene

Concen: 22.82 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007107.D

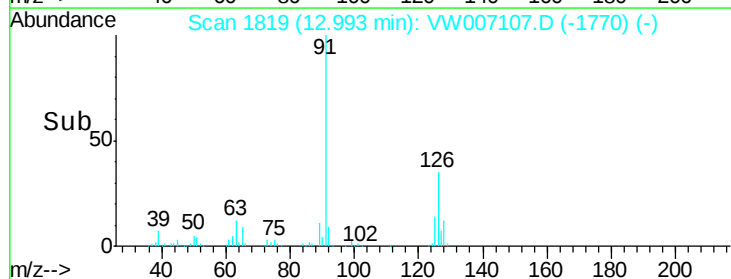
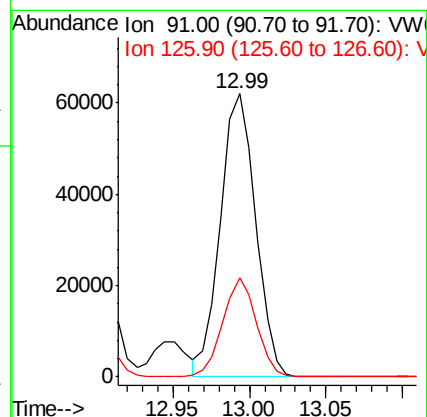
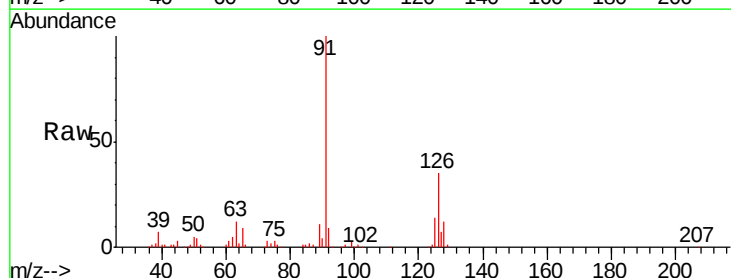
Acq: 28 Nov 2018 12:35

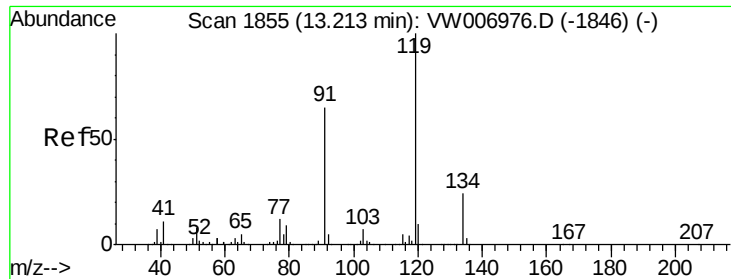
Tgt Ion: 91 Resp: 99351

Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.7

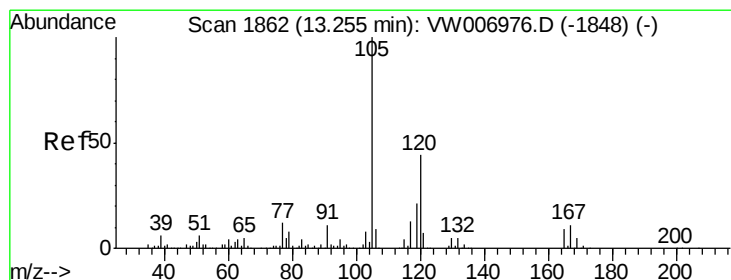
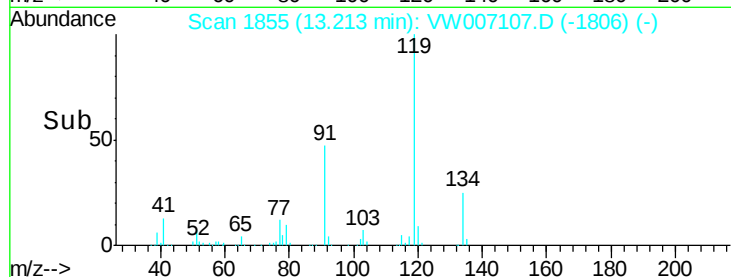
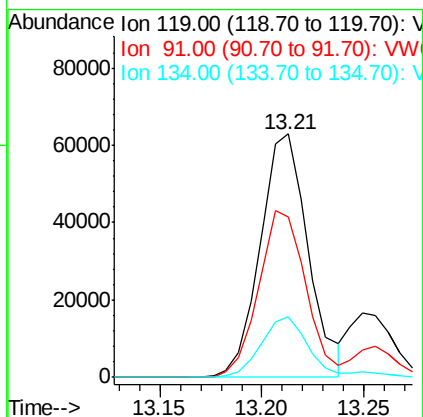
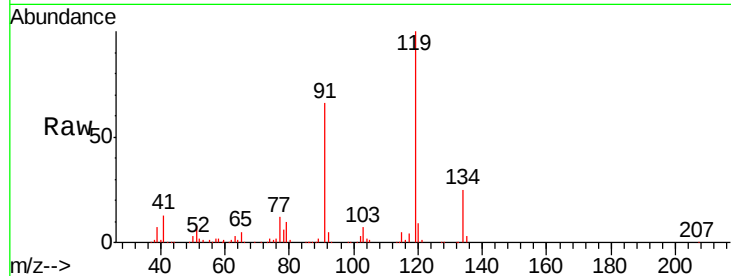




#83
tert-Butylbenzene
Concen: 23.22 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

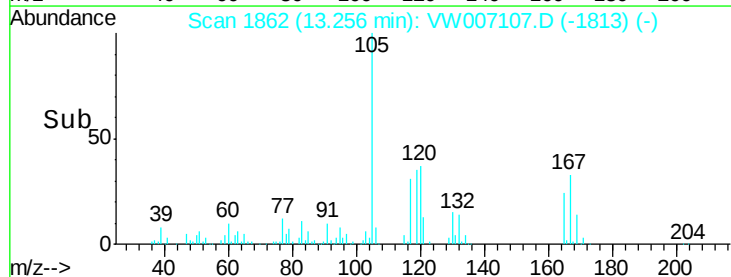
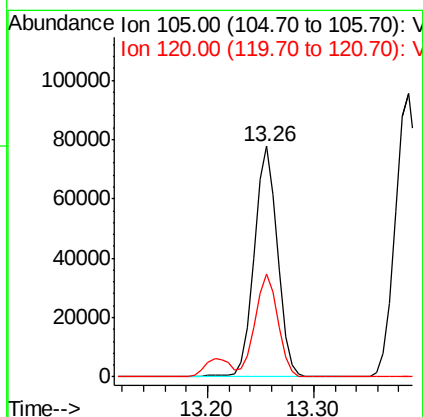
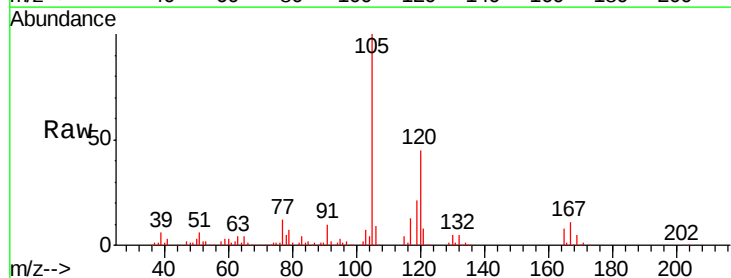
Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

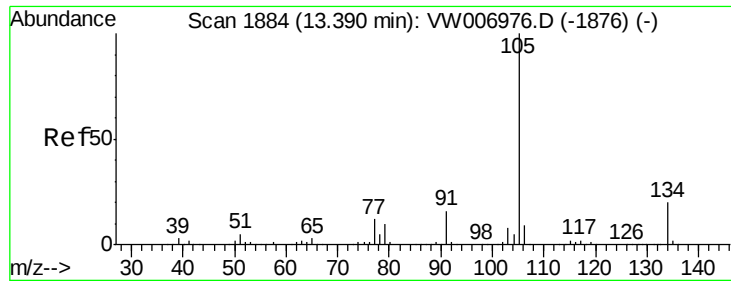
Tgt Ion:119 Resp: 103286
Ion Ratio Lower Upper
119 100
91 67.1 33.5 100.5
134 25.6 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 23.19 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:105 Resp: 118697
Ion Ratio Lower Upper
105 100
120 44.2 21.8 65.3

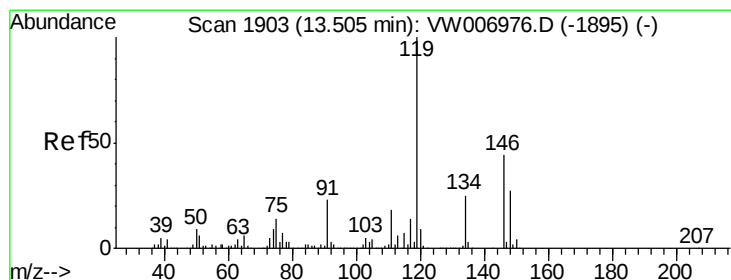
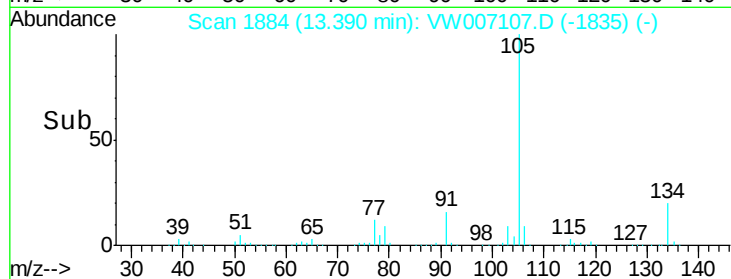
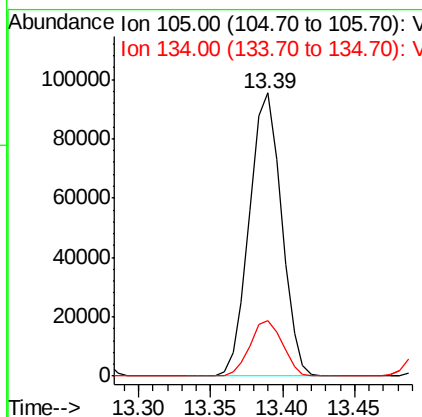
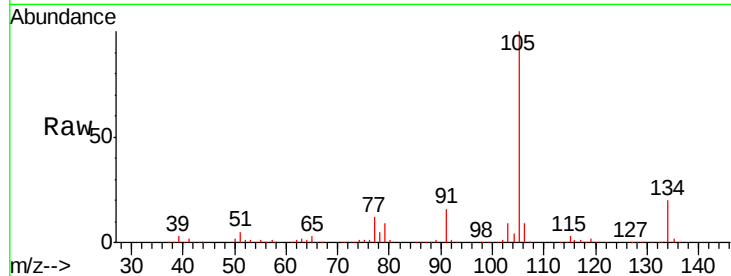




#85
 sec-Butylbenzene
 Concen: 23.48 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

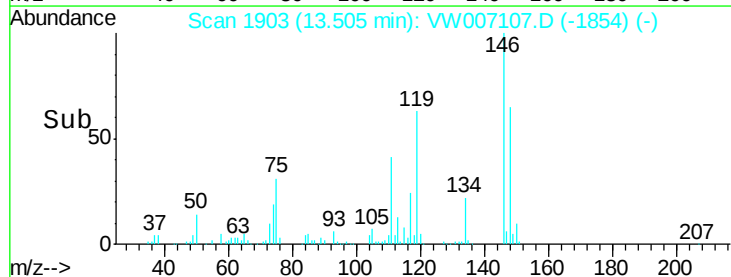
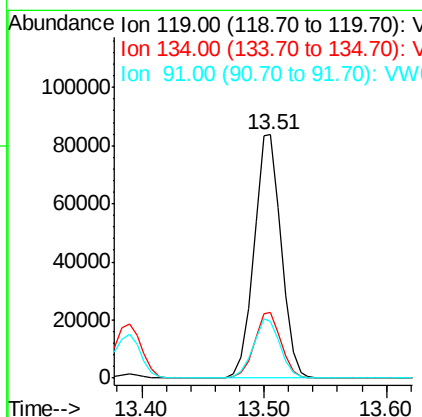
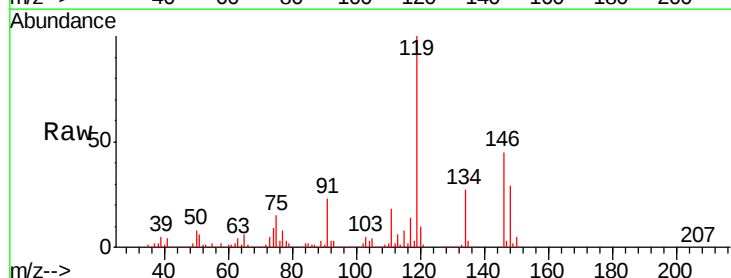
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

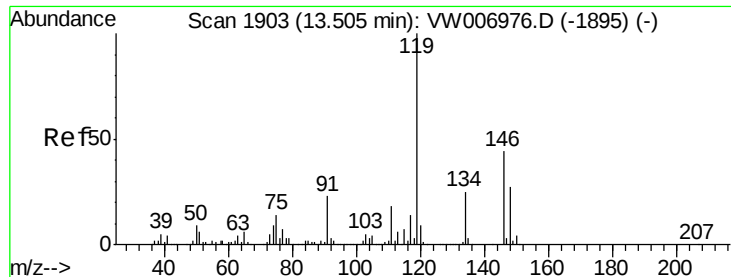
Tgt Ion:105 Resp: 147536
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 23.25 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion:119 Resp: 128894
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.8 38.3
 91 24.2 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 23.49 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

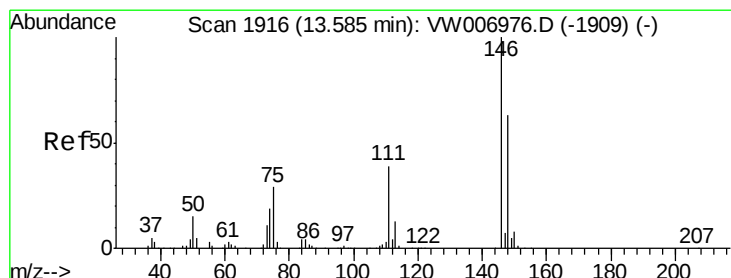
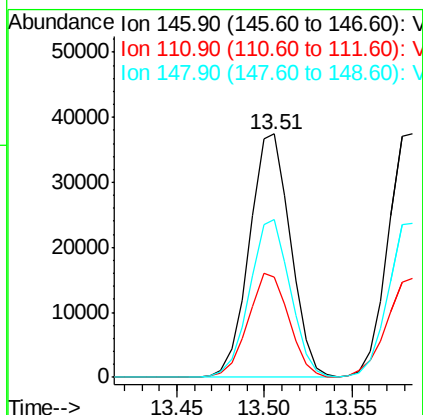
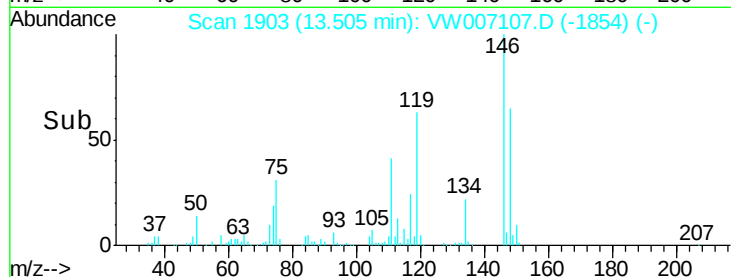
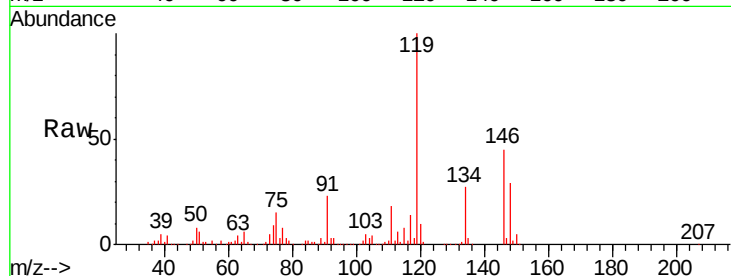
Tgt Ion:146 Resp: 61194

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.3

148 64.1 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 23.51 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

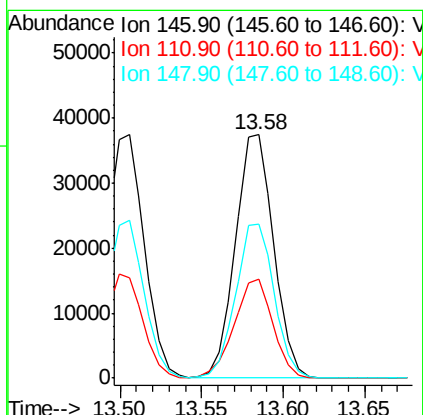
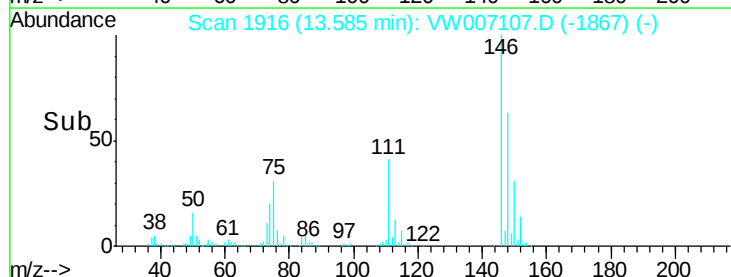
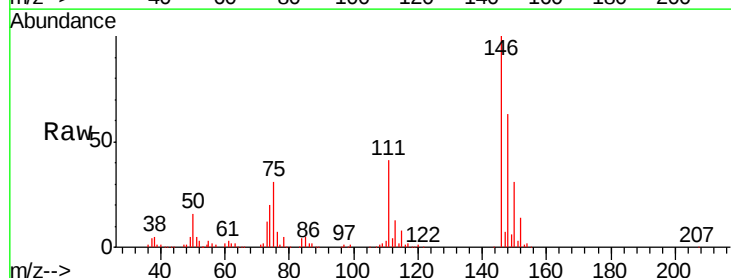
Tgt Ion:146 Resp: 61051

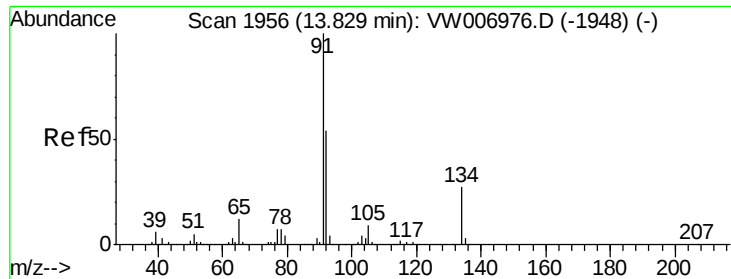
Ion Ratio Lower Upper

146 100

111 41.4 20.6 61.8

148 64.0 32.3 96.8





#89

n-Butylbenzene

Concen: 23.32 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

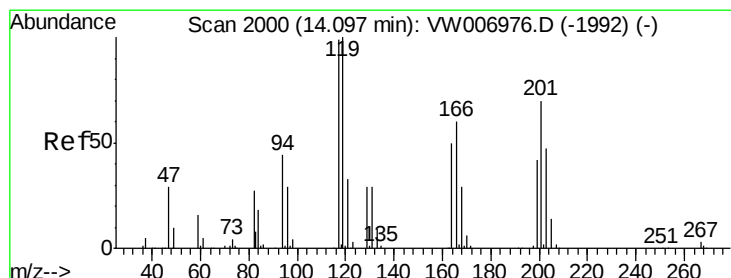
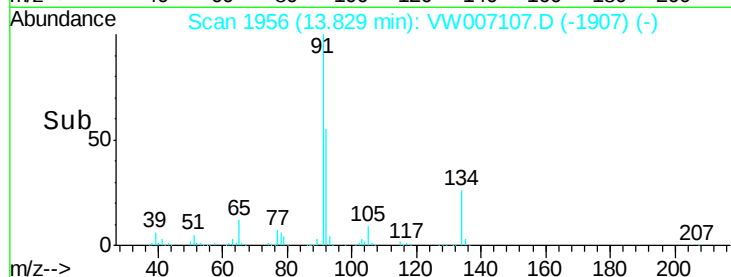
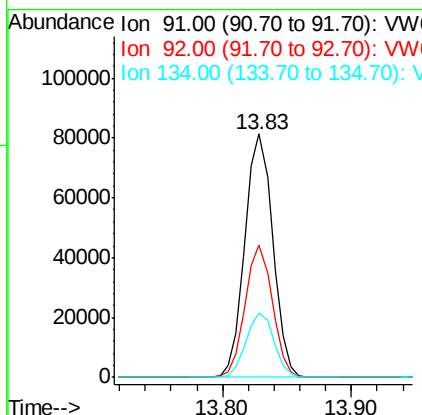
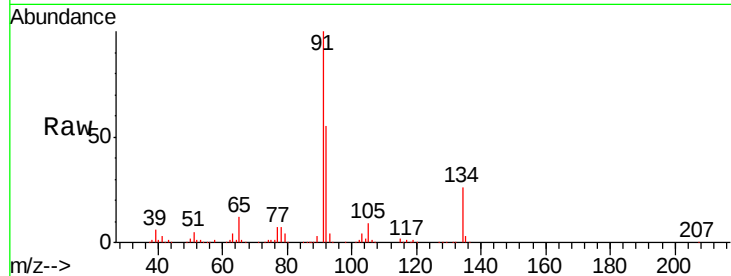
Tgt Ion: 91 Resp: 121619

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.4

134 26.2 13.3 39.8



#90

Hexachloroethane

Concen: 23.47 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007107.D

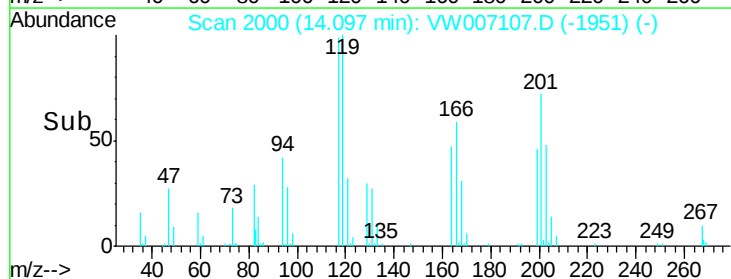
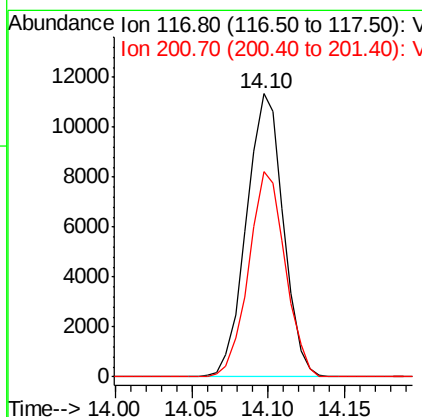
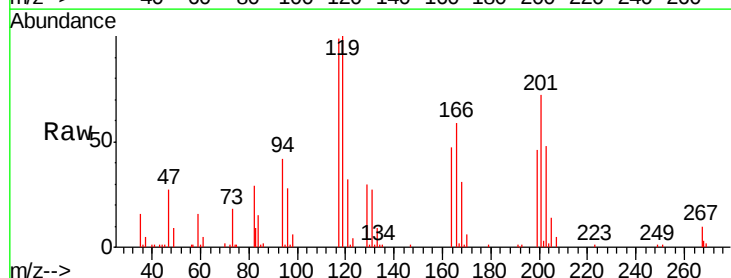
Acq: 28 Nov 2018 12:35

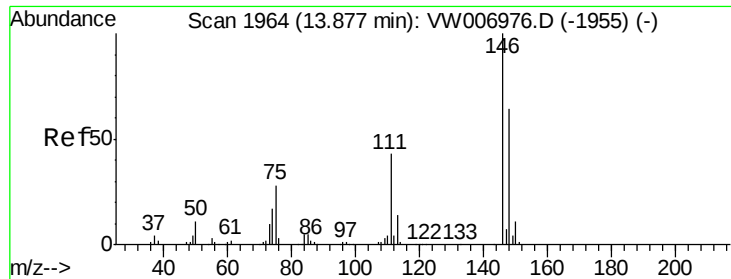
Tgt Ion: 117 Resp: 18996

Ion Ratio Lower Upper

117 100

201 71.9 35.9 107.5





#91

1,2-Dichlorobenzene

Concen: 23.19 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW1128SBS01

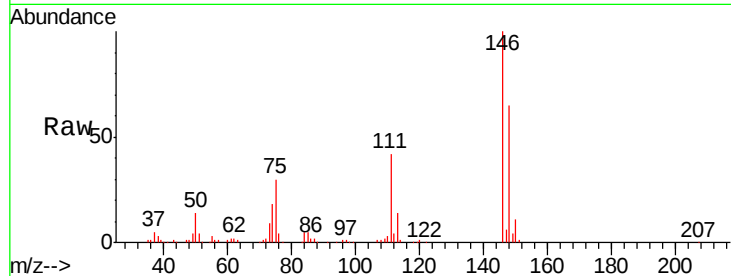
Tgt Ion:146 Resp: 52917

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.7

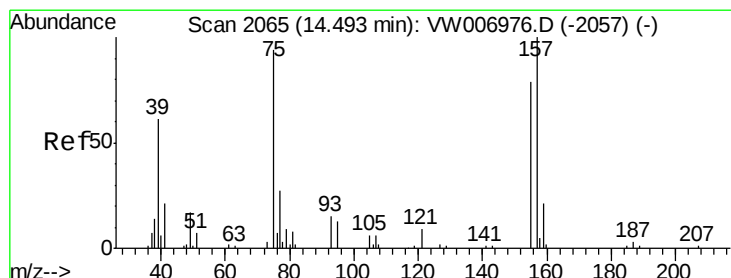
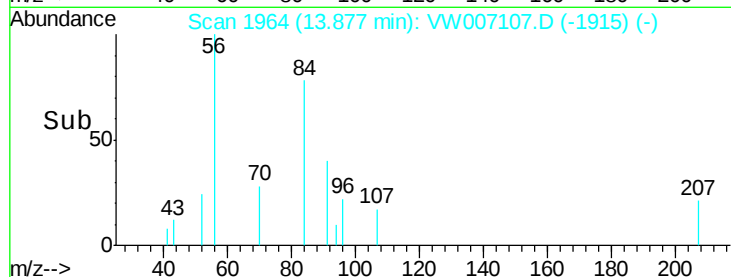
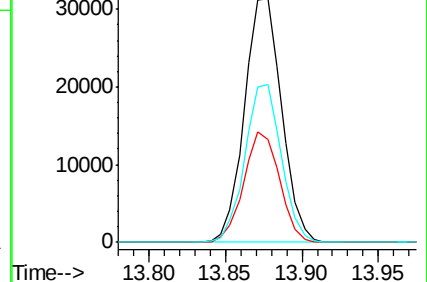
148 63.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.61 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007107.D

Acq: 28 Nov 2018 12:35

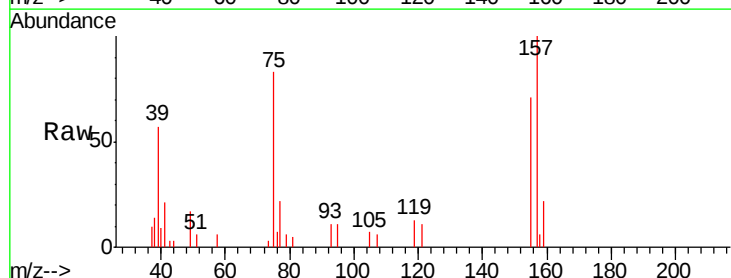
Tgt Ion: 75 Resp: 2885

Ion Ratio Lower Upper

75 100

155 86.1 42.6 127.8

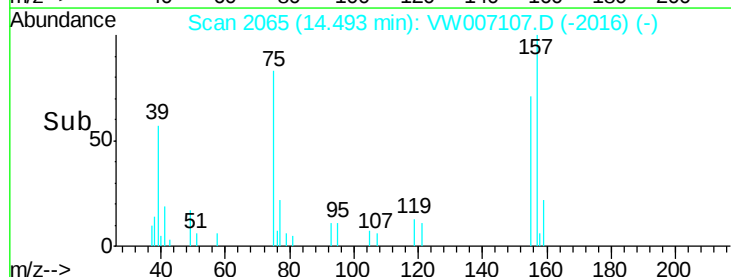
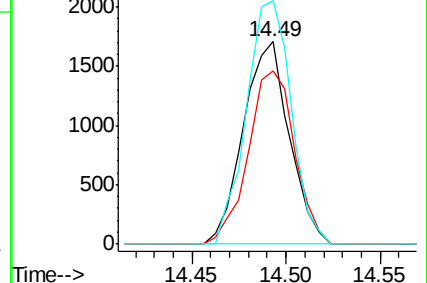
157 117.4 55.0 165.0

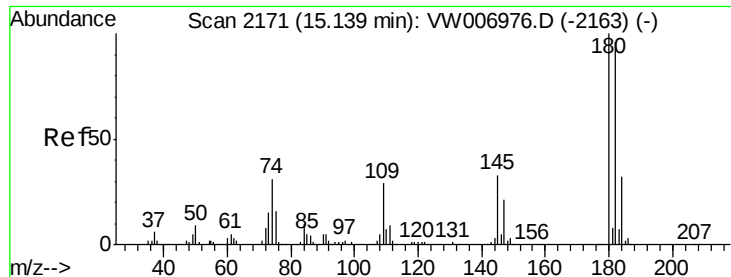


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

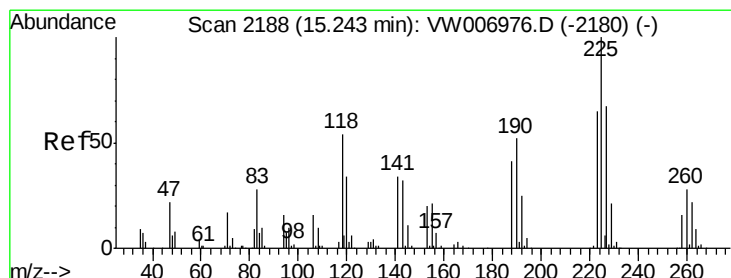
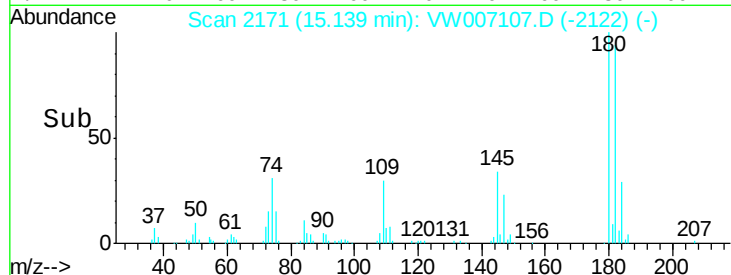
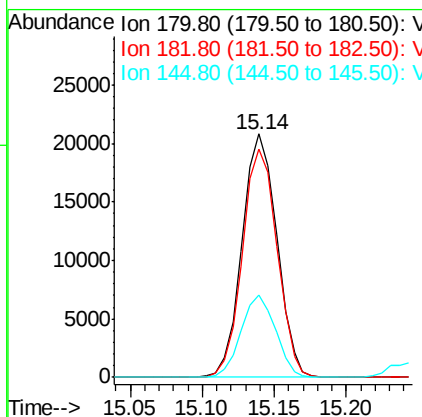
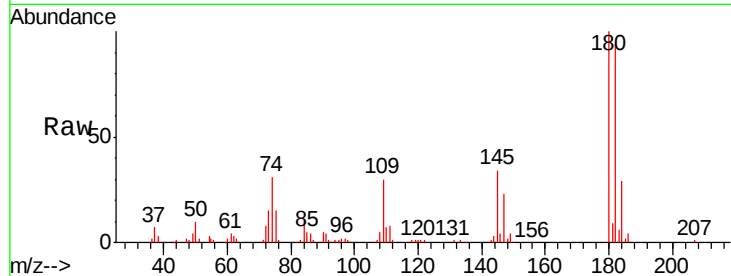




#93
 1,2,4-Trichlorobenzene
 Concen: 23.14 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

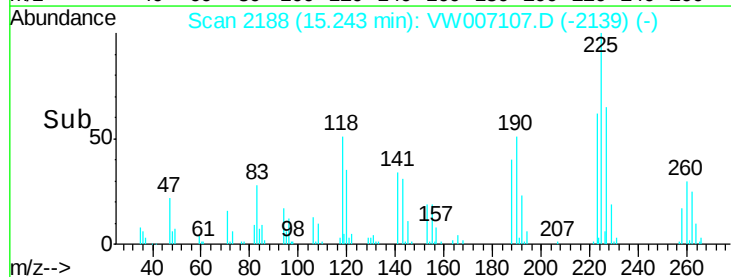
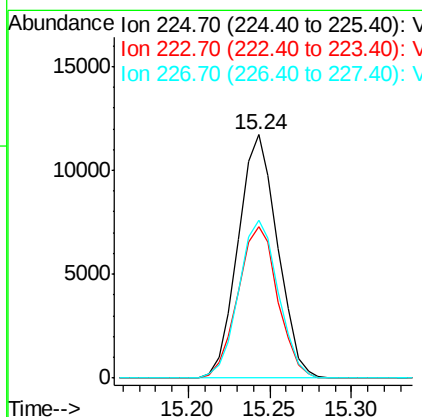
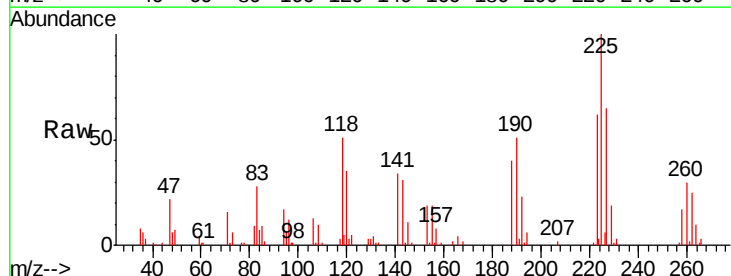
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1128SBS01

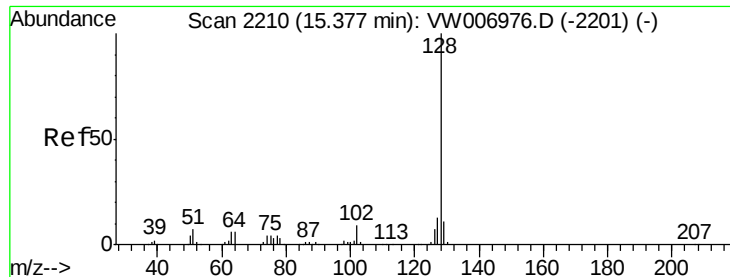
Tgt Ion:180 Resp: 34821
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.1 141.3
 145 33.3 16.5 49.5



#94
 Hexachlorobutadiene
 Concen: 24.03 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007107.D
 Acq: 28 Nov 2018 12:35

Tgt Ion:225 Resp: 19658
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.4 97.0
 227 65.0 31.9 95.5

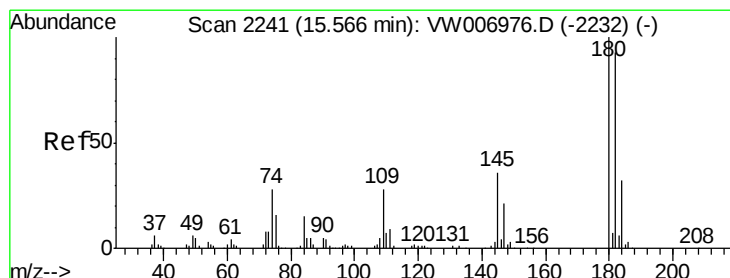
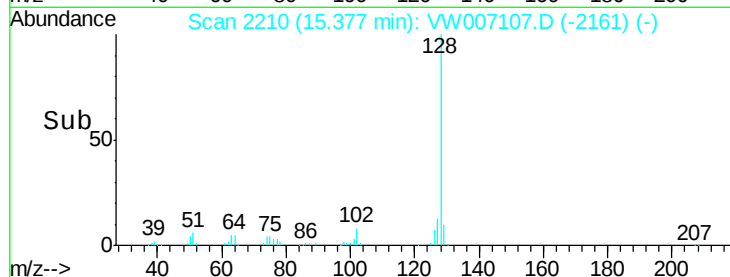
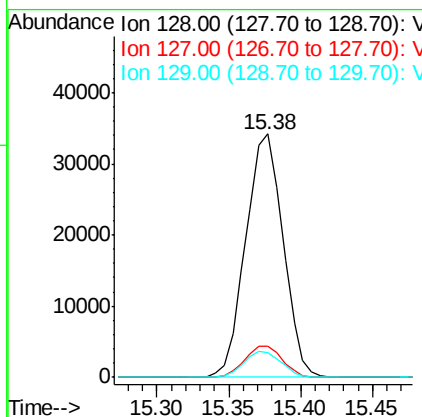
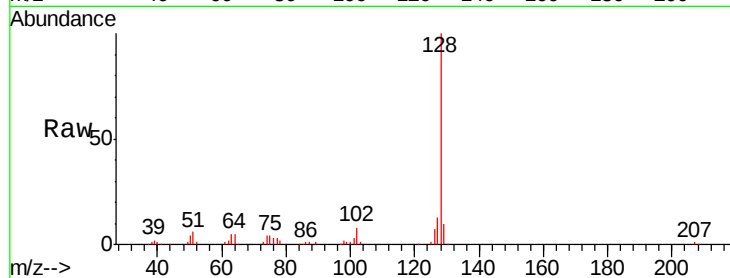




#95
Naphthalene
Concen: 22.51 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW1128SBS01

Tgt Ion:128 Resp: 61489
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.69 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007107.D
Acq: 28 Nov 2018 12:35

Tgt Ion:180 Resp: 28328
Ion Ratio Lower Upper
180 100
182 96.1 47.0 141.2
145 35.7 18.0 54.0

