

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007021.D
 Acq On : 22 Nov 2018 02:27
 Operator : VAY/AP
 Sample : VW1122SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:42:09 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	106498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	59981	57.53	ug/l	0.00
Spiked Amount			Recovery	=	115.06%	
35) Dibromofluoromethane	7.88	113	52659	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	10.32	98	225197	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	86765	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	25781	24.518	ug/l	98
3) Chloromethane	2.21	50	20432	23.317	ug/l	93
4) Vinyl Chloride	2.36	62	19571	22.700	ug/l	98
5) Bromomethane	2.77	94	10160	22.079	ug/l	100
6) Chloroethane	2.91	64	10609	22.322	ug/l	95
7) Trichlorofluoromethane	3.26	101	38542	22.734	ug/l	96
8) Diethyl Ether	3.68	74	13537	24.781	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	24161	21.983	ug/l	98
10) Methyl Iodide	4.27	142	25697	20.424	ug/l	99
11) Tert butyl alcohol	5.21	59	10266	151.249	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	22058	22.883	ug/l	95
13) Acrolein	3.90	56	7200	103.293	ug/l	98
14) Allyl chloride	4.67	41	35372	22.123	ug/l	97
15) Acrylonitrile	5.38	53	25330	123.371	ug/l	99
16) Acetone	4.14	43	19007	125.559	ug/l	98
17) Carbon Disulfide	4.38	76	71320	22.885	ug/l	100
18) Methyl Acetate	4.68	43	13657	25.334	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	64684	25.699	ug/l	94
20) Methylene Chloride	4.92	84	29641	21.491	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	25766	22.946	ug/l	98
22) Diisopropyl ether	6.31	45	75238	24.177	ug/l	99
23) Vinyl Acetate	6.26	43	209042	126.495	ug/l	99
24) 1,1-Dichloroethane	6.21	63	44152	23.322	ug/l	100
25) 2-Butanone	7.17	43	32538	125.498	ug/l	100
26) 2,2-Dichloropropane	7.17	77	37511	22.034	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	28426	23.772	ug/l	99
28) Bromochloromethane	7.51	49	14864	21.007	ug/l #	97
29) Tetrahydrofuran	7.53	42	20689	123.210	ug/l	99
30) Chloroform	7.68	83	47240	23.488	ug/l	98
31) Cyclohexane	7.95	56	46230	23.022	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	43898	24.232	ug/l	99
36) 1,1-Dichloropropene	8.08	75	40225	23.957	ug/l	99
37) Ethyl Acetate	7.25	43	15866	26.076	ug/l	98
38) Carbon Tetrachloride	8.07	117	37337	23.222	ug/l	98

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 MSVOA_W
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Quant Time: Nov 22 04:42:09 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	45367	21.591	ug/l	99
40) Benzene	8.32	78	105836	23.351	ug/l	97
41) Methacrylonitrile	7.49	41	9533	25.229	ug/l	94
42) 1,2-Dichloroethane	8.40	62	31828	24.188	ug/l	100
43) Isopropyl Acetate	8.42	43	28943	24.962	ug/l	98
44) Trichloroethene	9.09	130	30391	23.920	ug/l	99
45) 1,2-Dichloropropane	9.37	63	26670	23.871	ug/l	100
46) Dibromomethane	9.46	93	13589	24.288	ug/l	99
47) Bromodichloromethane	9.65	83	35918	24.366	ug/l	99
48) Methyl methacrylate	9.44	41	13012	23.274	ug/l	94
49) 1,4-Dioxane	9.47	88	3647	438.556	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	71611	122.213	ug/l	100
52) Toluene	10.39	92	69893	22.660	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	33368	23.367	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	40776	23.635	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	19982	24.274	ug/l	97
56) Ethyl methacrylate	10.65	69	22821	23.883	ug/l	99
57) 1,3-Dichloropropane	10.93	76	34404	24.940	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	54653	109.457	ug/l	99
59) 2-Hexanone	10.97	43	47906	119.390	ug/l	100
60) Dibromochloromethane	11.13	129	22651	24.149	ug/l	99
61) 1,2-Dibromoethane	11.24	107	18743	24.890	ug/l	100
64) Tetrachloroethene	10.87	164	24928	24.016	ug/l	98
65) Chlorobenzene	11.66	112	77335	22.965	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	24468	24.019	ug/l	99
67) Ethyl Benzene	11.73	91	137624	22.246	ug/l	99
68) m/p-Xylenes	11.84	106	108862	44.853	ug/l	99
69) o-Xylene	12.17	106	50755	22.178	ug/l	100
70) Styrene	12.18	104	82505	22.651	ug/l	99
71) Bromoform	12.35	173	11754	24.493	ug/l #	100
73) Isopropylbenzene	12.47	105	139817	22.834	ug/l	99
74) N-amyl acetate	12.27	43	24265	23.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	20344	24.965	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27121	43.808	ug/l #	100
77) Bromobenzene	12.75	156	30598	23.266	ug/l	99
78) n-propylbenzene	12.81	91	166430	22.439	ug/l	99
79) 2-Chlorotoluene	12.90	91	97258	22.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	119222	22.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5405	21.919	ug/l	94
82) 4-Chlorotoluene	12.99	91	101678	22.656	ug/l	100
83) tert-Butylbenzene	13.21	119	101979	22.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	118829	22.525	ug/l	97
85) sec-Butylbenzene	13.39	105	143060	22.089	ug/l	98
86) p-Isopropyltoluene	13.50	119	126680	22.172	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	61495	22.904	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	61026	22.797	ug/l	99
89) n-Butylbenzene	13.83	91	116701	21.705	ug/l	99
90) Hexachloroethane	14.10	117	19308	23.147	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	54543	23.184	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3412	24.792	ug/l	94

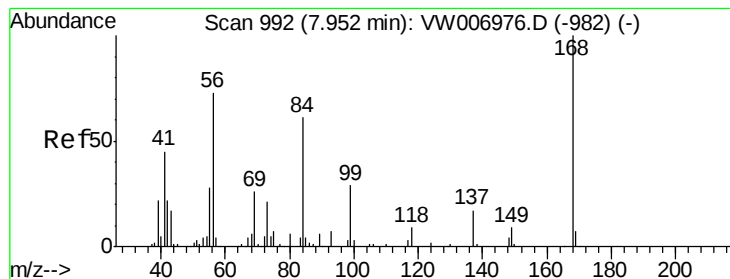
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
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ClientSampleId :

Quant Time: Nov 22 04:42:09 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)
93) 1,2,4-Trichlorobenzene	15.14	180	33646	21.689	ug/l	98
94) Hexachlorobutadiene	15.24	225	18553	21.999	ug/l	98
95) Naphthalene	15.37	128	61798	21.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28321	22.005	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

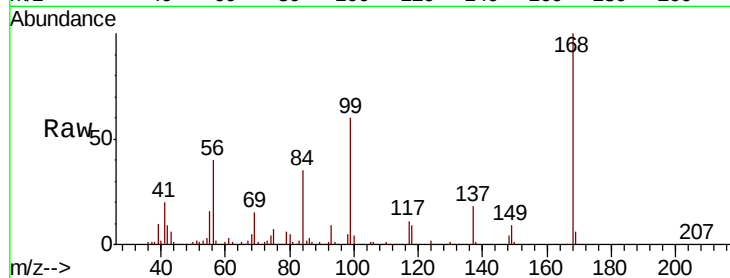
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 106498

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

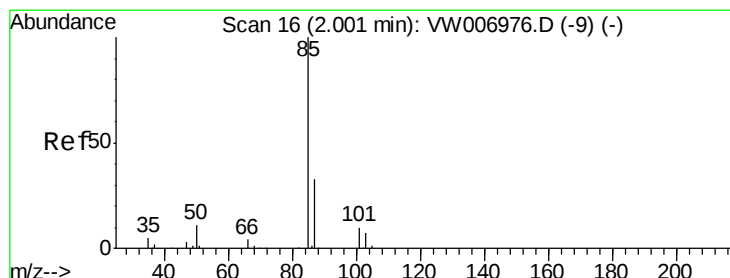
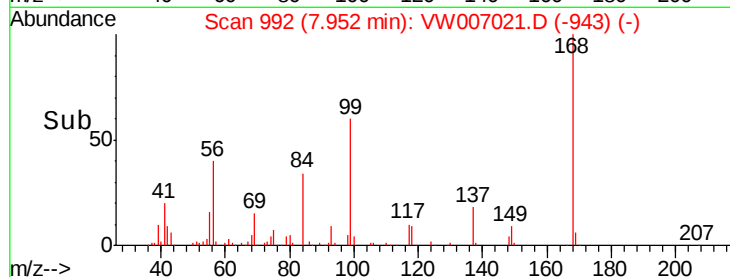
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.518 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW007021.D

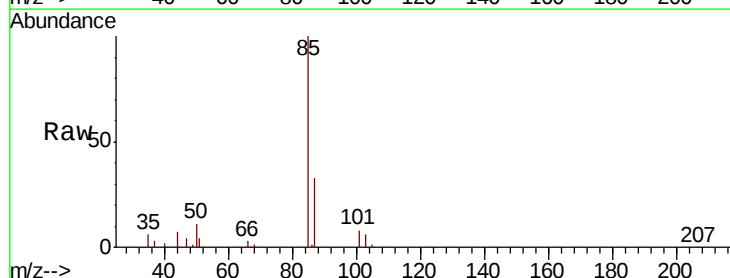
Acq: 22 Nov 2018 02:27

Tgt Ion: 85 Resp: 25781

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

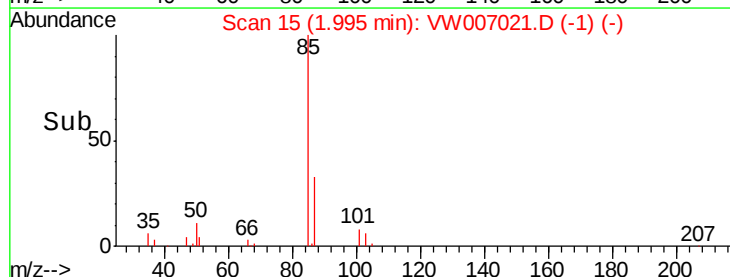
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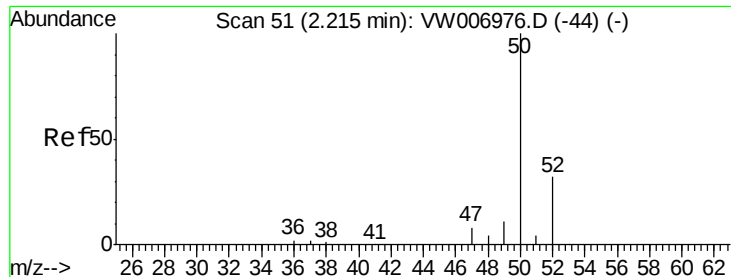
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5000

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Time-->

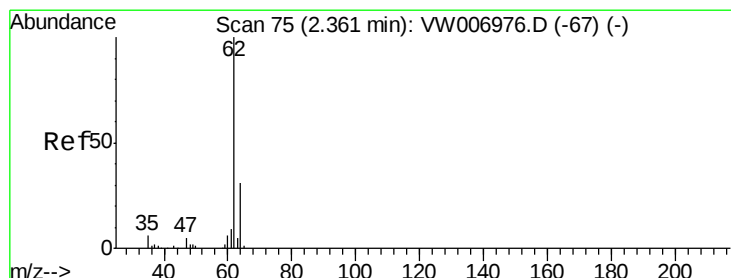
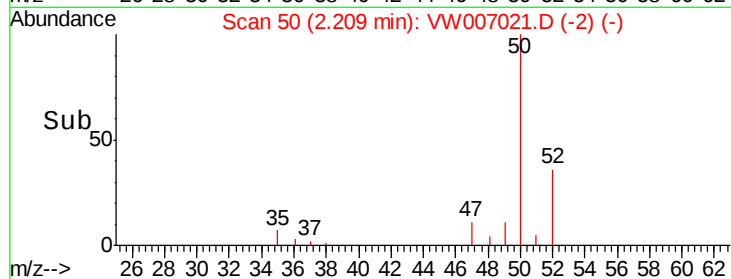
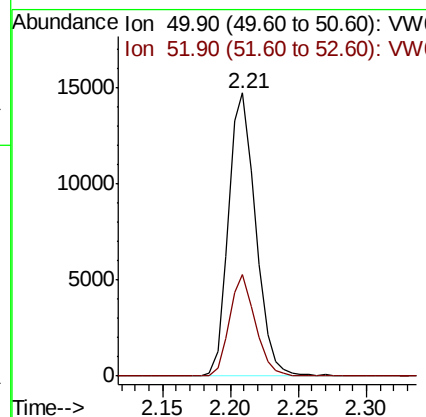
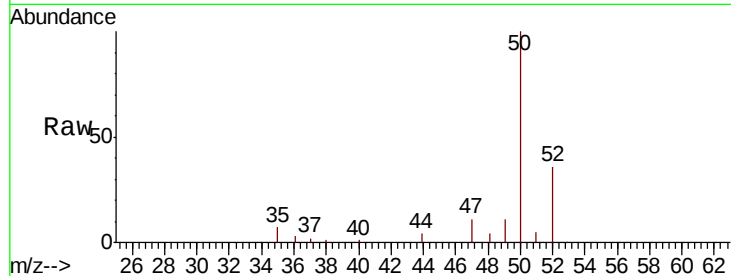




#3
Chloromethane
Concen: 23.317 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

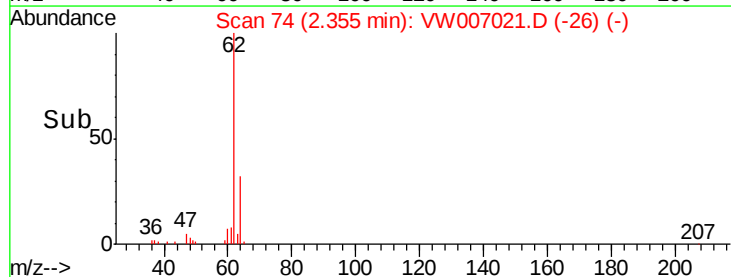
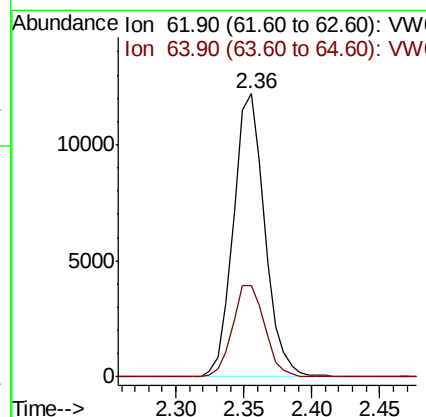
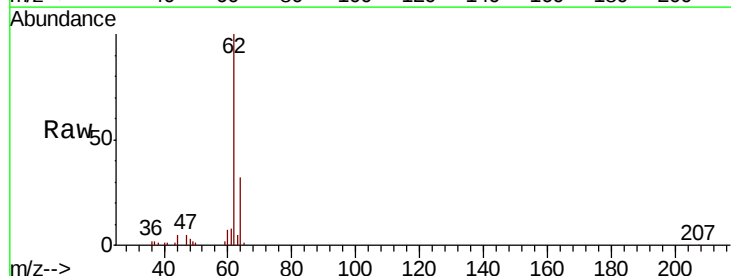
Instrument :
MSVOA_W
ClientSampled :

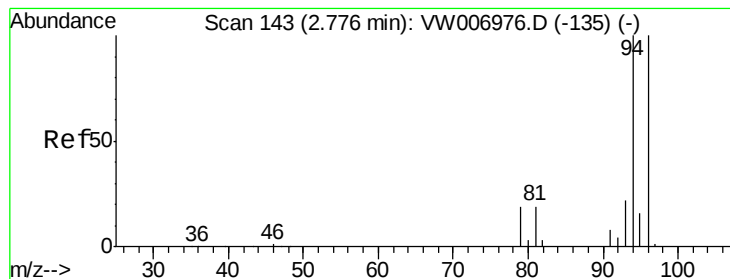
Tot Ion: 50 Resp: 20432
Ion Ratio Lower Upper
50 100
52 36.0 25.7 38.5



#4
Vinyl Chloride
Concen: 22.700 ug/l
RT: 2.36 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 62 Resp: 19571
Ion Ratio Lower Upper
62 100
64 32.4 25.2 37.8





#5

Bromomethane

Concen: 22.079 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

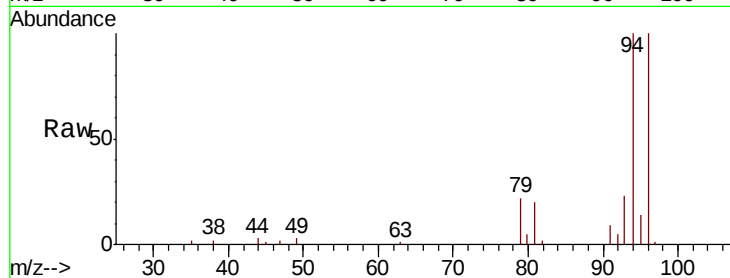
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 10160

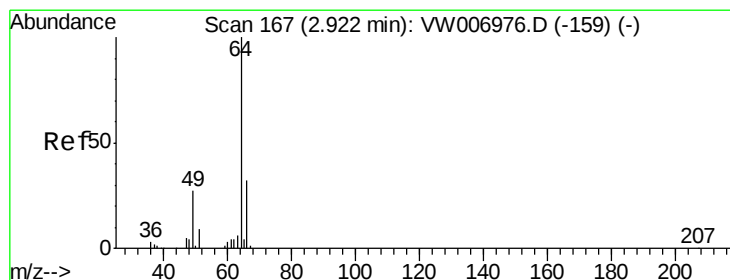
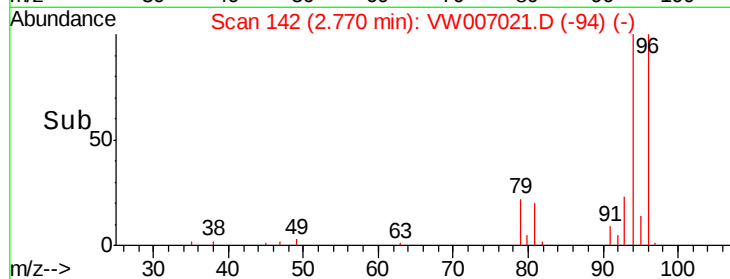
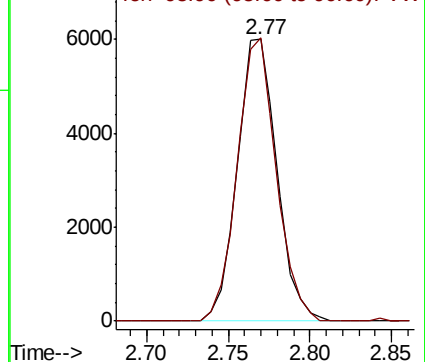
Ion Ratio Lower Upper

94 100

96 100.4 80.2 120.2



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.322 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007021.D

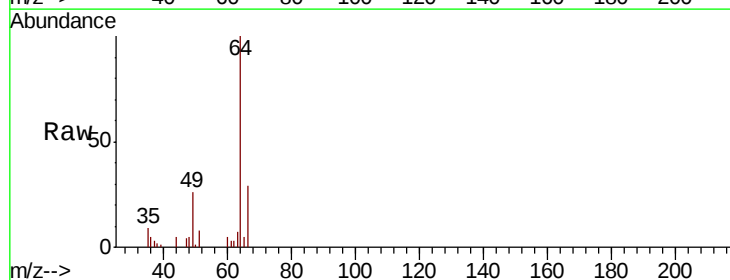
Acq: 22 Nov 2018 02:27

Tgt Ion: 64 Resp: 10609

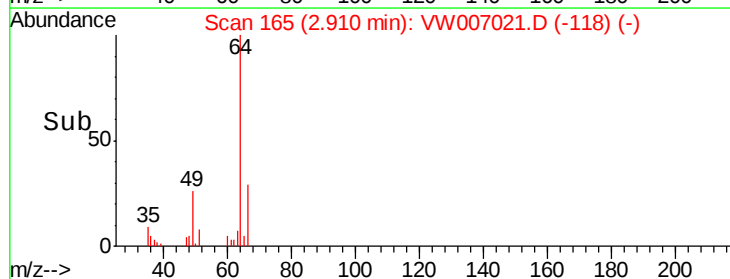
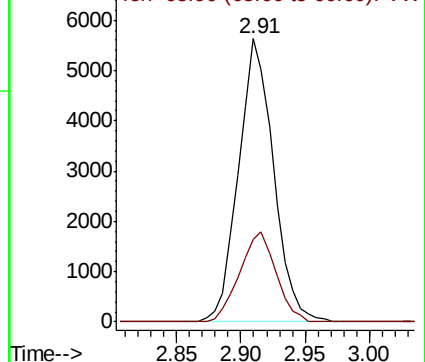
Ion Ratio Lower Upper

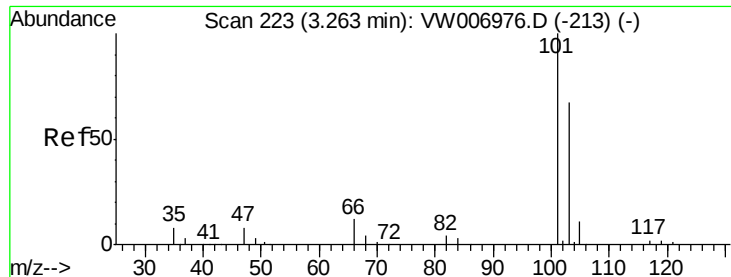
64 100

66 29.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



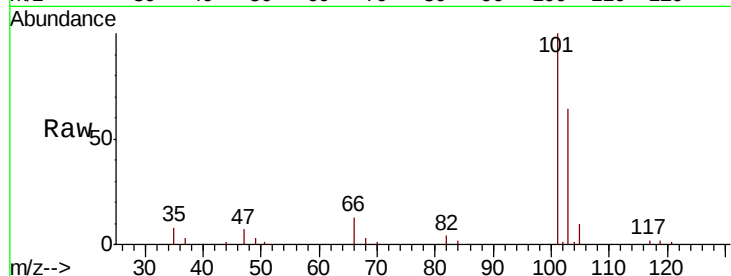


#7

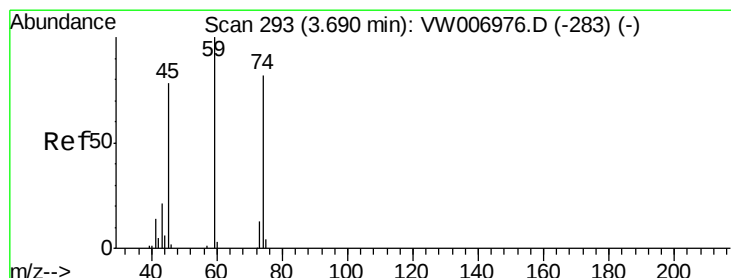
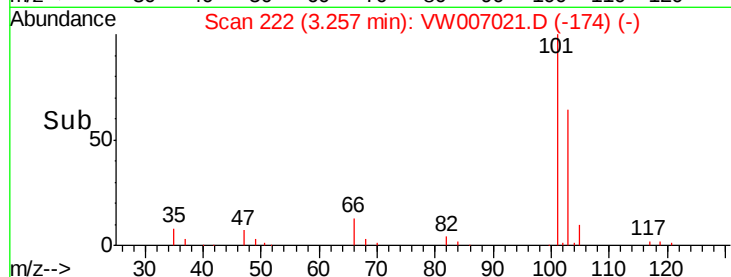
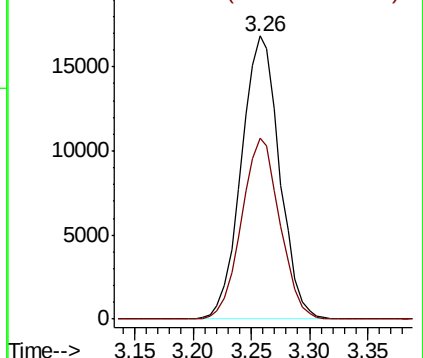
Trichlorofluoromethane
Concen: 22.734 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 38542
Ion Ratio Lower Upper
101 100
103 63.8 53.4 80.2



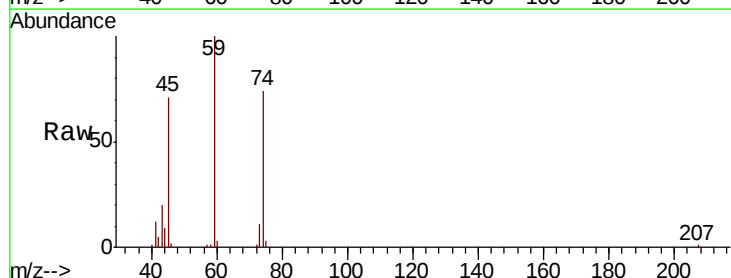
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



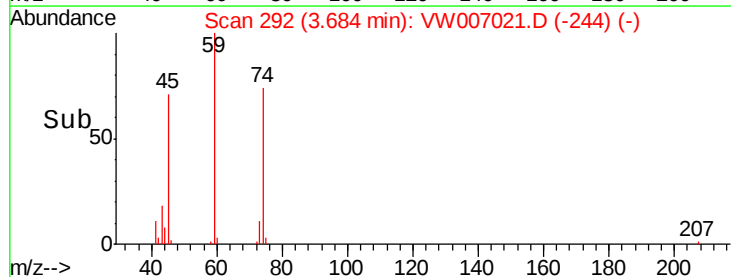
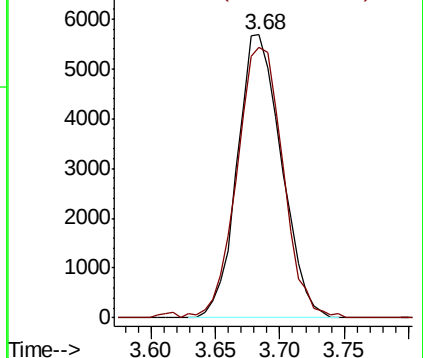
#8

Diethyl Ether
Concen: 24.781 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 74 Resp: 13537
Ion Ratio Lower Upper
74 100
45 99.7 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: 21.983 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampled :

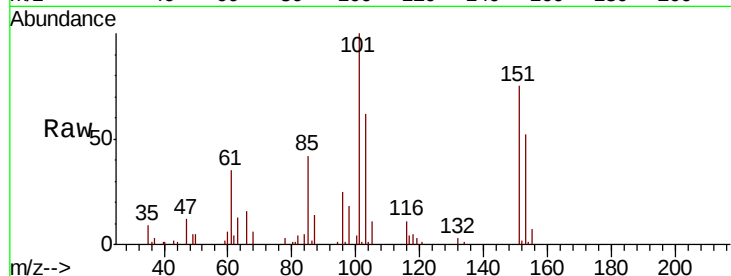
Tot Ion:101 Resp: 24161

Ion Ratio Lower Upper

101 100

85 44.0 34.3 51.5

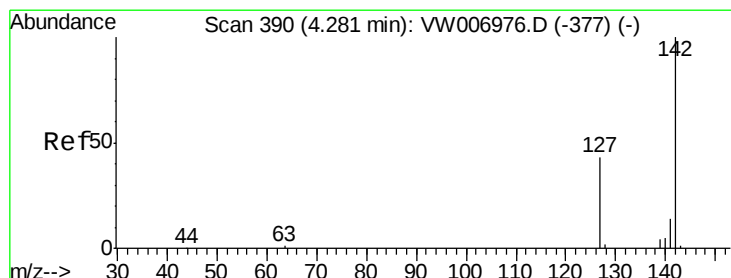
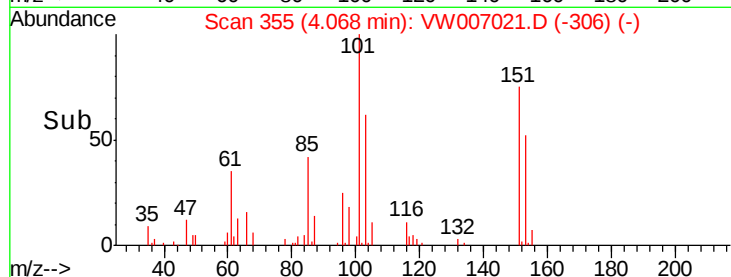
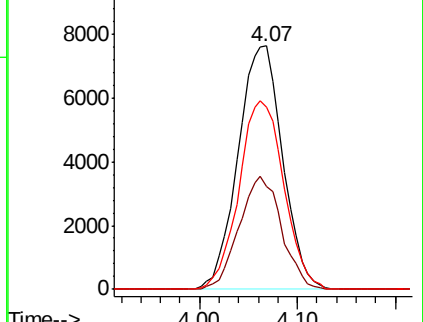
151 78.1 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.424 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

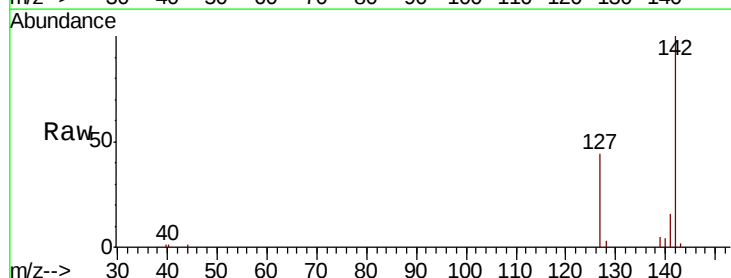
Tgt Ion:142 Resp: 25697

Ion Ratio Lower Upper

142 100

127 43.4 35.3 52.9

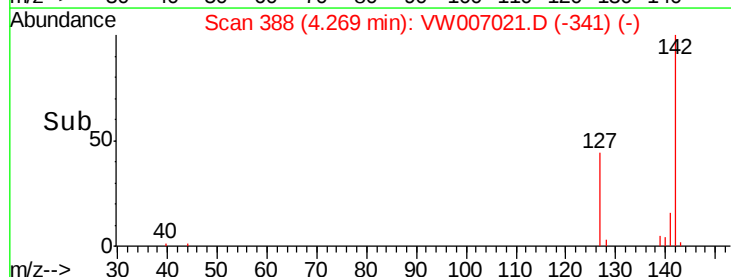
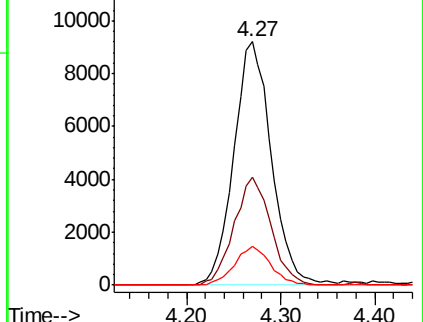
141 15.2 11.7 17.5

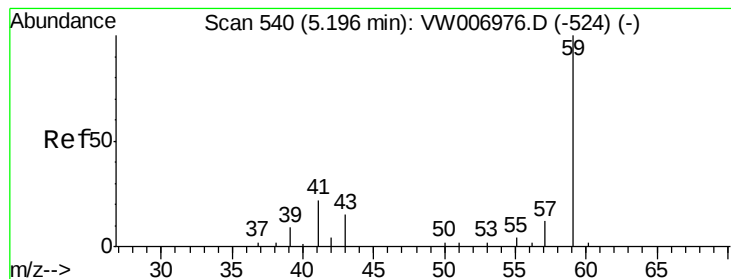


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



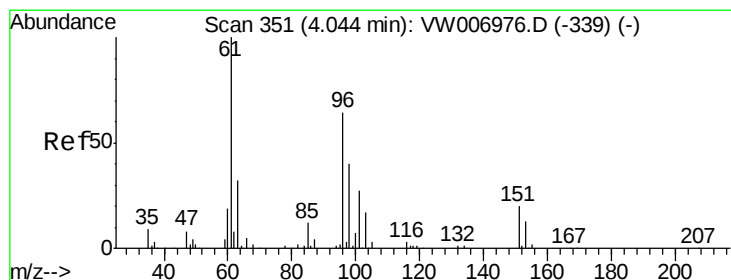
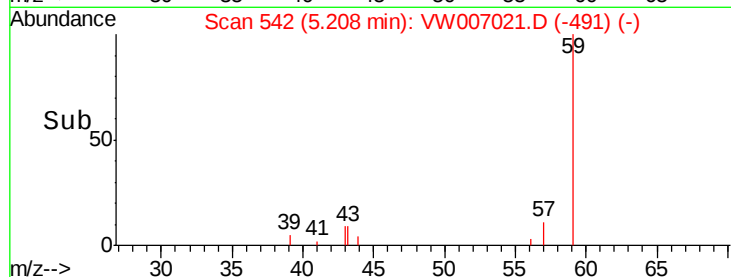
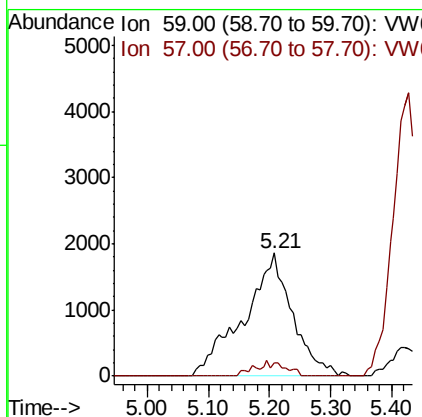
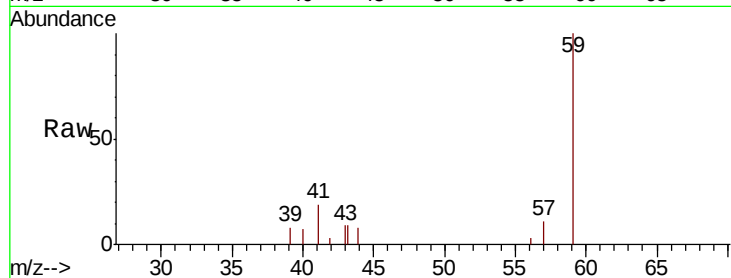


#11

Tert butyl alcohol
 Concen: 151.249 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampled :

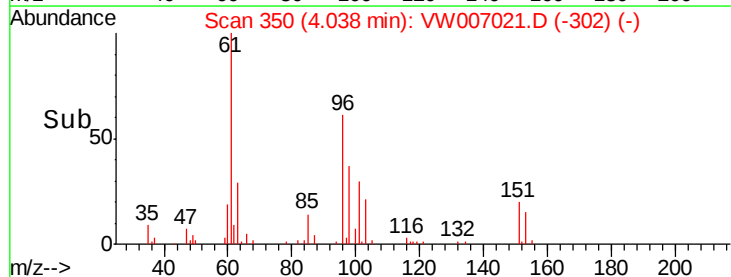
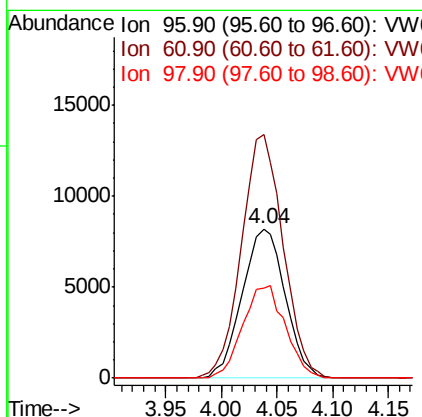
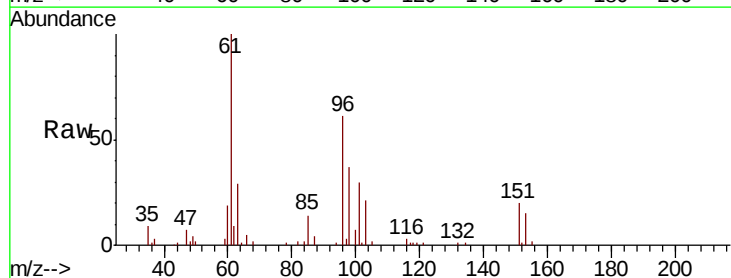
Tot Ion: 59 Resp: 10266
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.6 13.0#

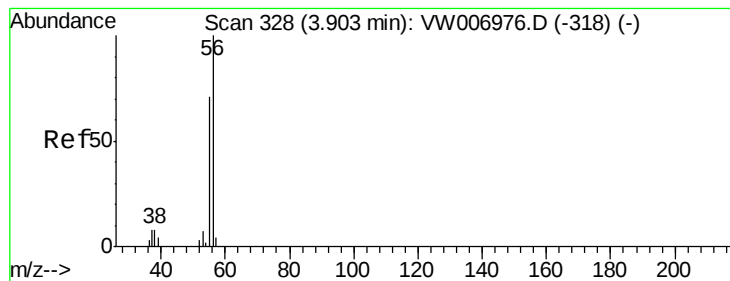


#12

1,1-Dichloroethene
 Concen: 22.883 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion: 96 Resp: 22058
 Ion Ratio Lower Upper
 96 100
 61 163.0 124.3 186.5
 98 60.2 49.4 74.2





#13

Acrolein

Concen: 103.293 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

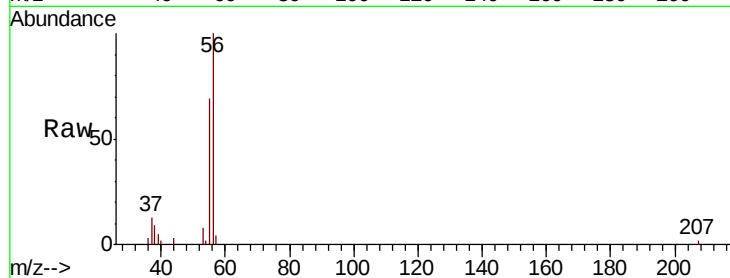
ClientSampleId :

Tot Ion: 56 Resp: 7200

Ion Ratio Lower Upper

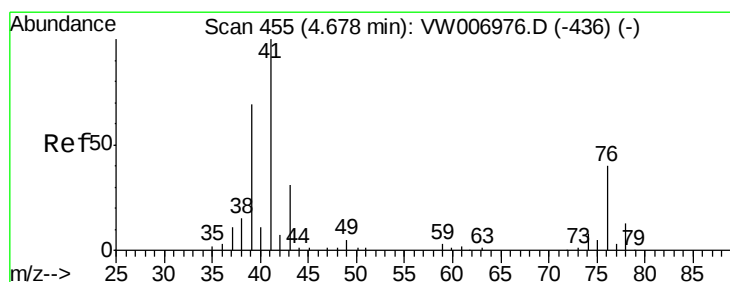
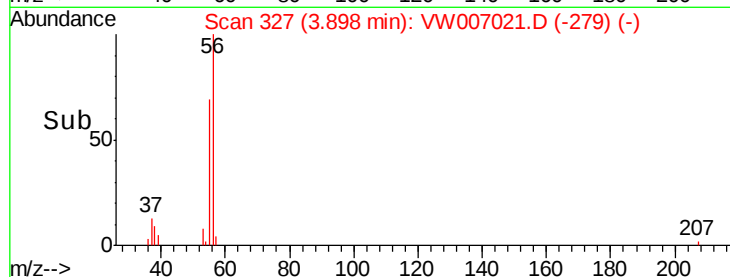
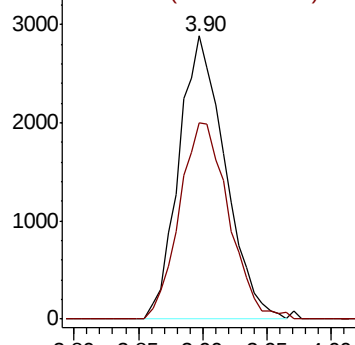
56 100

55 73.8 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 22.123 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

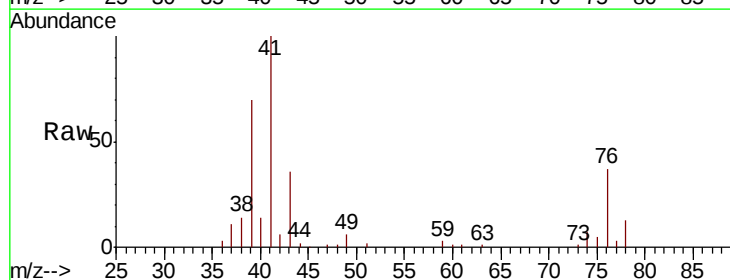
Tgt Ion: 41 Resp: 35372

Ion Ratio Lower Upper

41 100

39 72.0 55.4 83.2

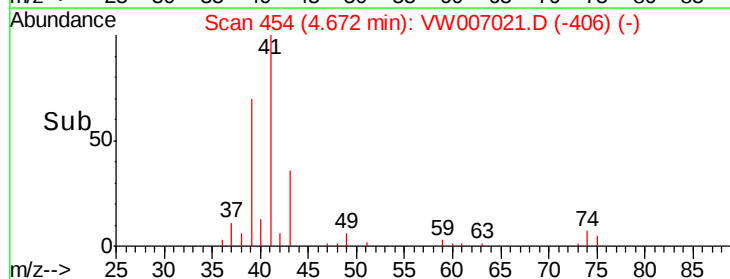
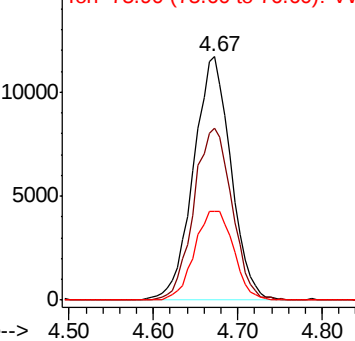
76 38.0 29.6 44.4

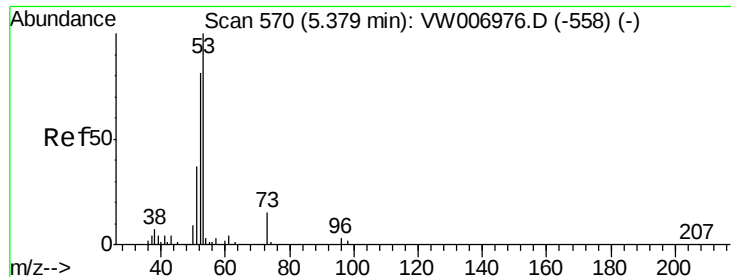


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 123.371 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

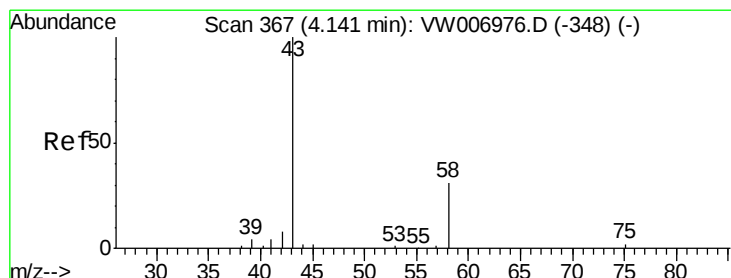
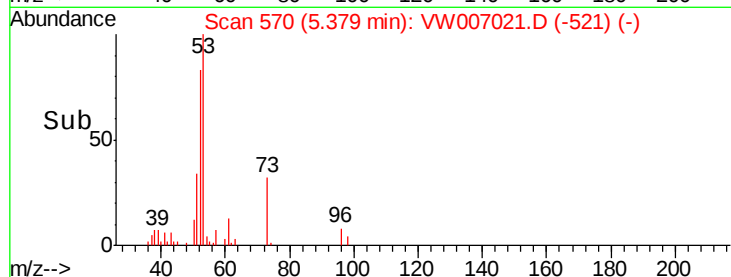
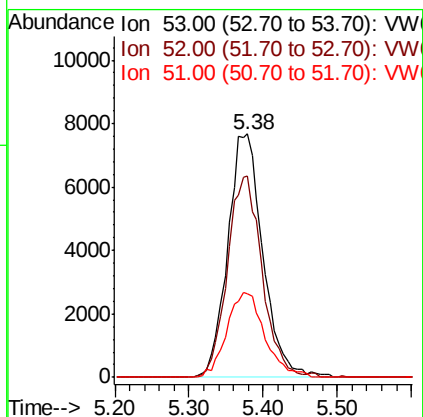
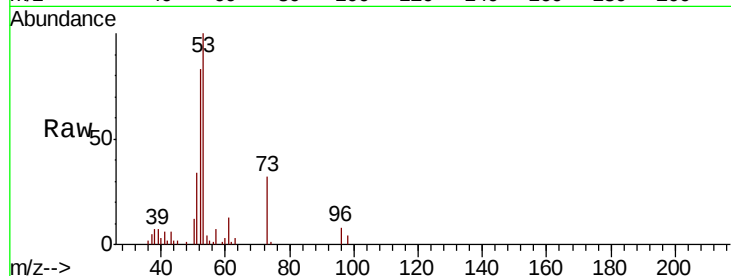
Tot Ion: 53 Resp: 25330

Ion Ratio Lower Upper

53 100

52 81.4 65.7 98.5

51 37.5 29.9 44.9



#16

Acetone

Concen: 125.559 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007021.D

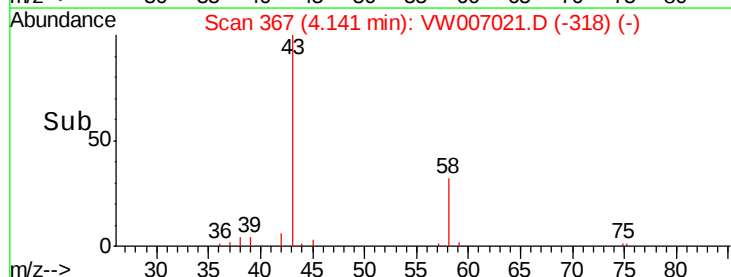
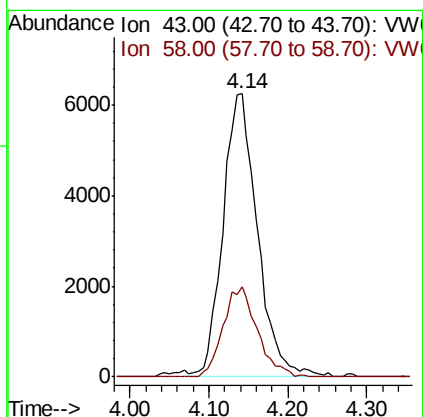
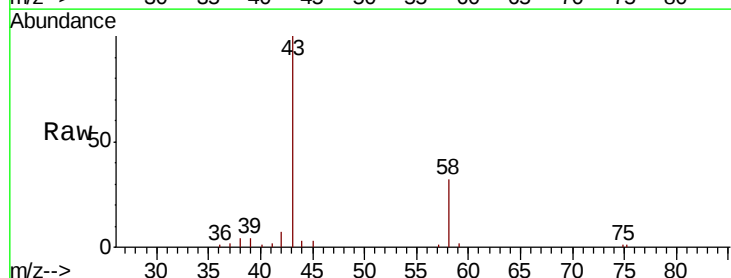
Acq: 22 Nov 2018 02:27

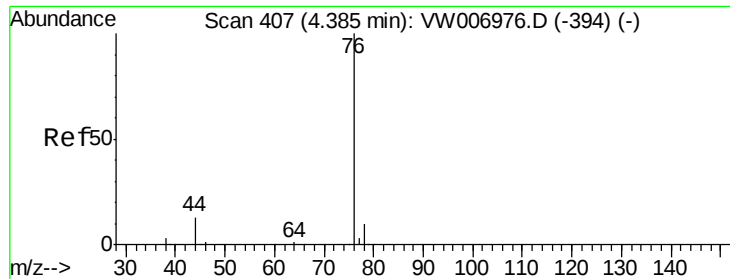
Tgt Ion: 43 Resp: 19007

Ion Ratio Lower Upper

43 100

58 31.8 24.8 37.2

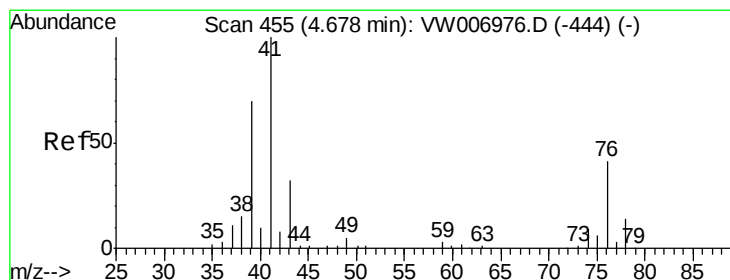
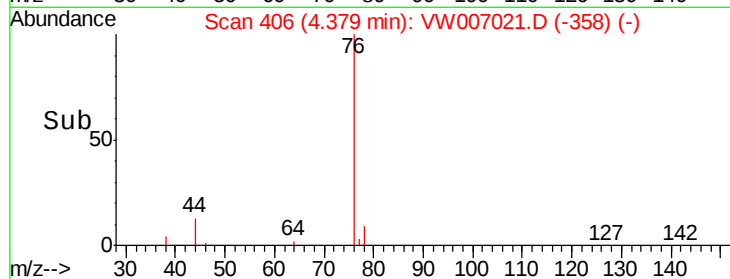
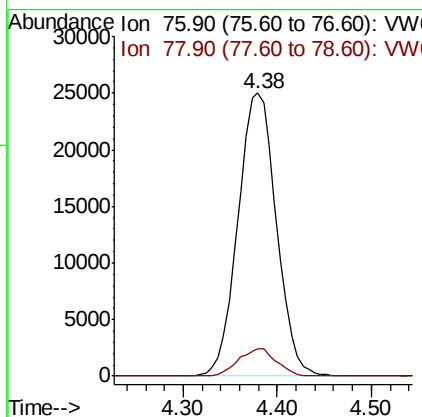
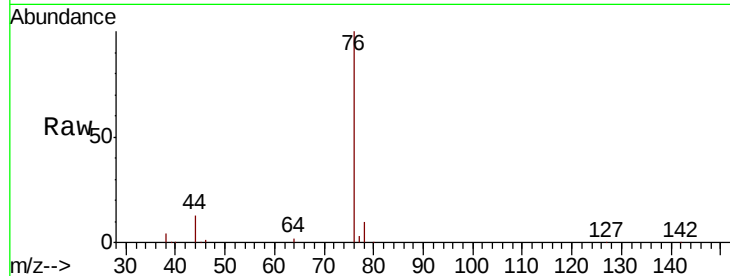




#17
Carbon Disulfide
Concen: 22.885 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

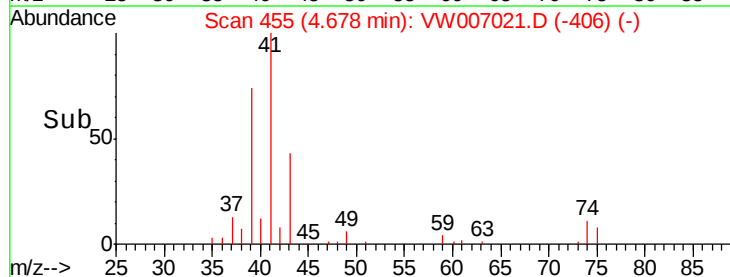
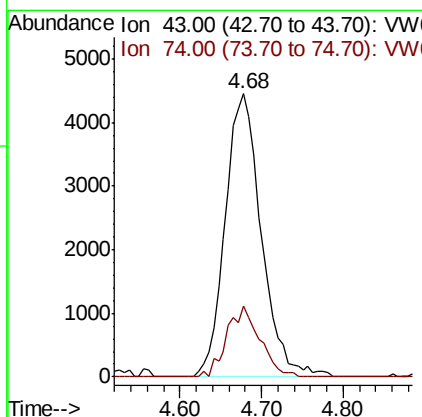
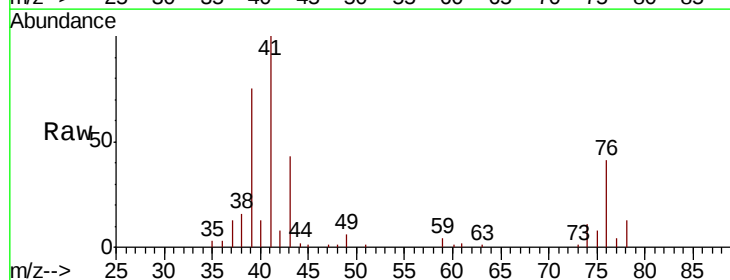
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 71320
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.6



#18
Methyl Acetate
Concen: 25.334 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 43 Resp: 13657
Ion Ratio Lower Upper
43 100
74 22.8 20.1 30.1

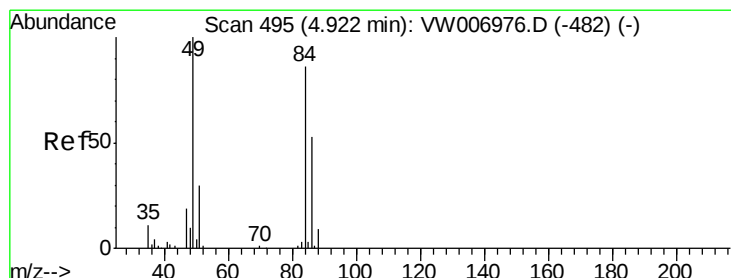
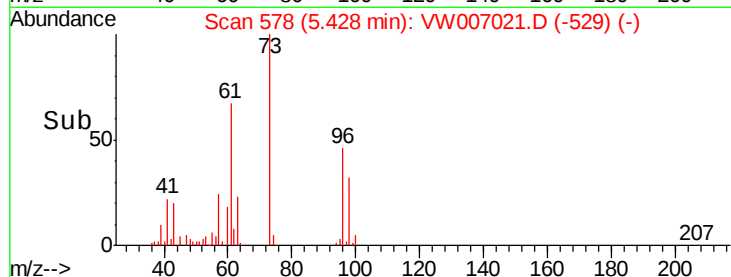
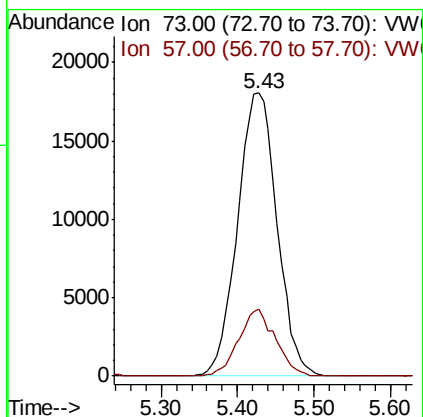
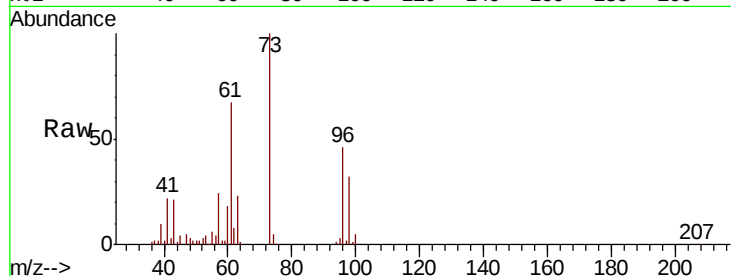




#19
Methvl tert-butvl Ether
Concen: 25.699 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

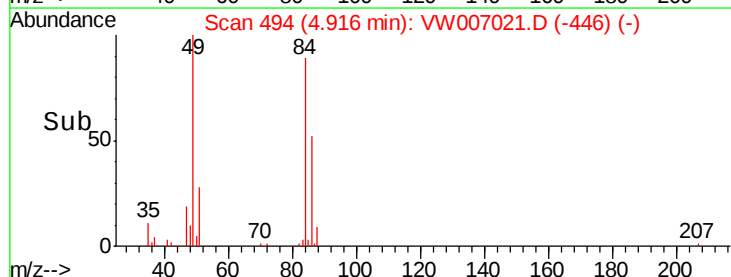
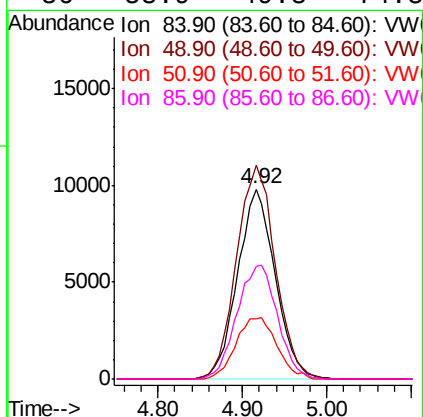
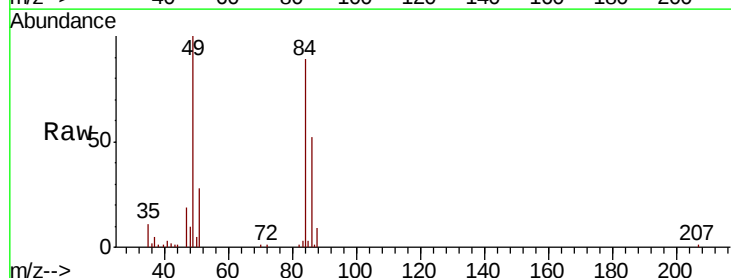
Instrument :
MSVOA_W
ClientSampleId :

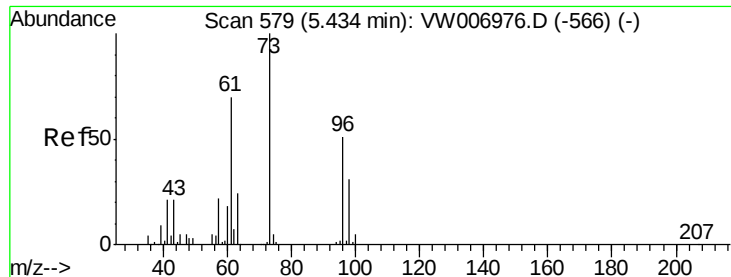
Tot Ion: 73 Resp: 64684
Ion Ratio Lower Upper
73 100
57 23.7 16.7 25.1



#20
Methylene Chloride
Concen: 21.491 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 84 Resp: 29641
Ion Ratio Lower Upper
84 100
49 112.4 93.4 140.0
51 31.5 28.4 42.6
86 58.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.946 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampled :

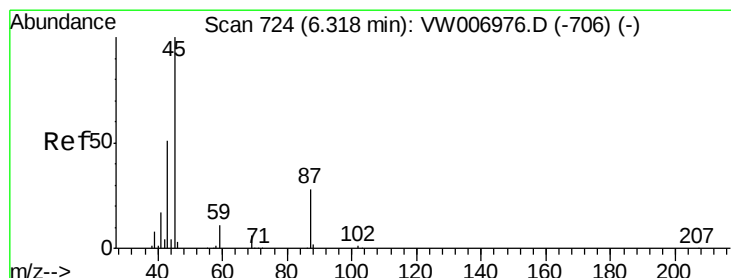
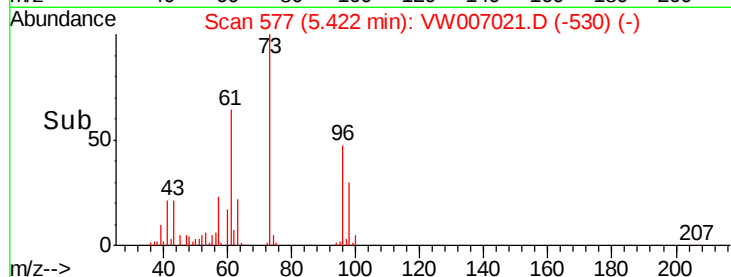
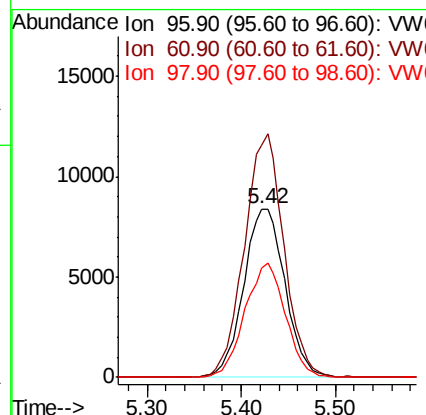
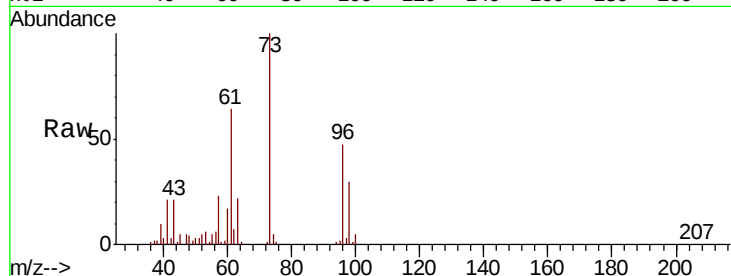
Tot Ion: 96 Resp: 25766

Ion Ratio Lower Upper

96 100

61 137.6 109.4 164.0

98 64.5 48.3 72.5



#22

Diisopropyl ether

Concen: 24.177 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion: 45 Resp: 75238

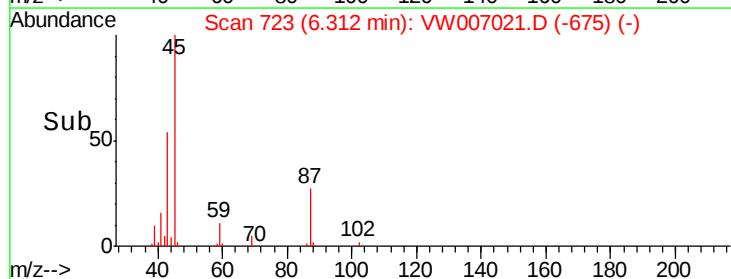
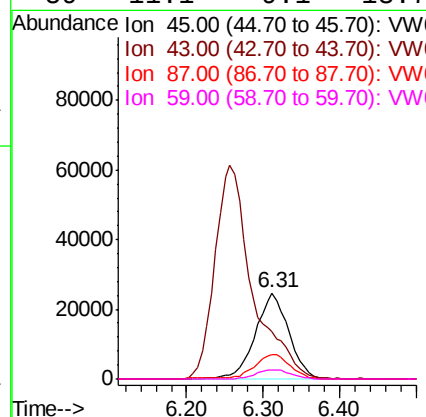
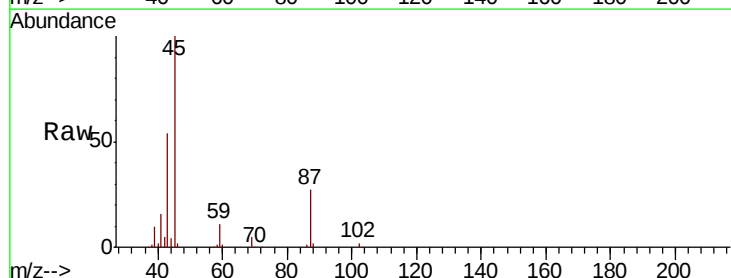
Ion Ratio Lower Upper

45 100

43 53.5 42.5 63.7

87 27.5 22.8 34.2

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 126.495 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

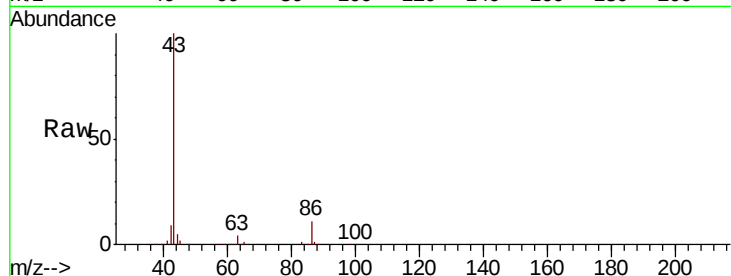
ClientSampled :

Tot Ion: 43 Resp: 209042

Ion Ratio Lower Upper

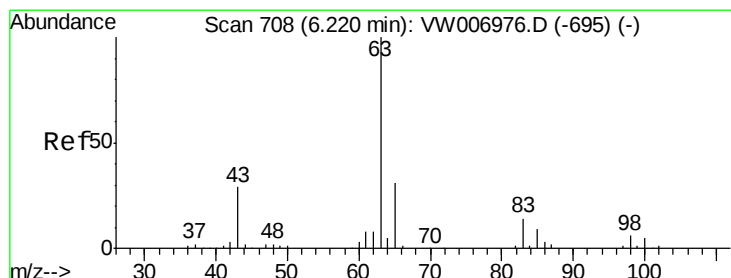
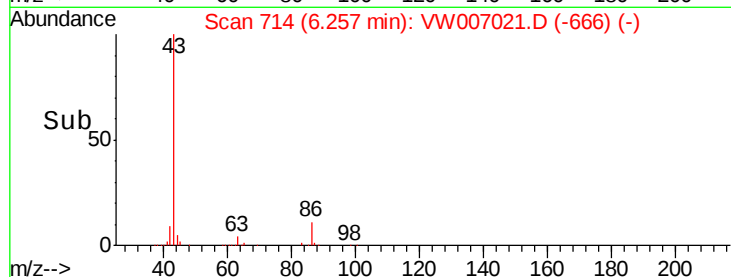
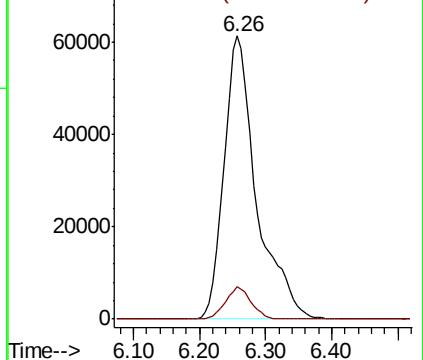
43 100

86 11.4 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: 23.322 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

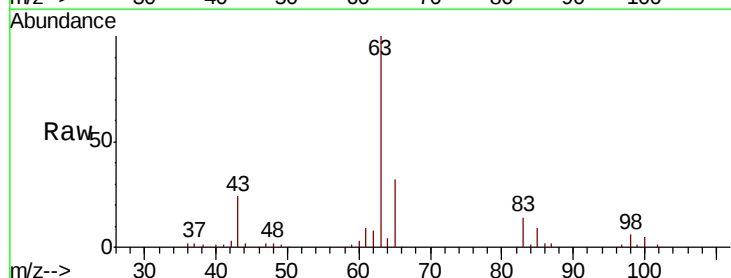
Tgt Ion: 63 Resp: 44152

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

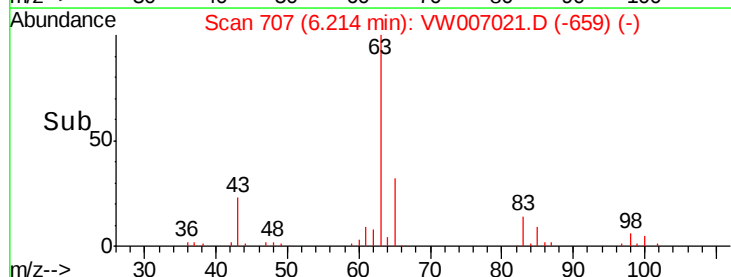
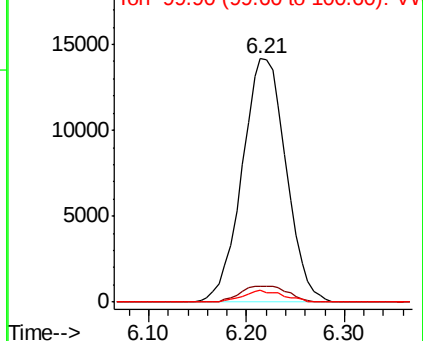
100 4.7 2.3 6.9

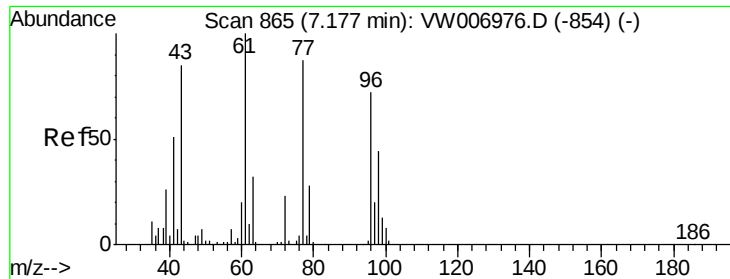


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 125.498 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

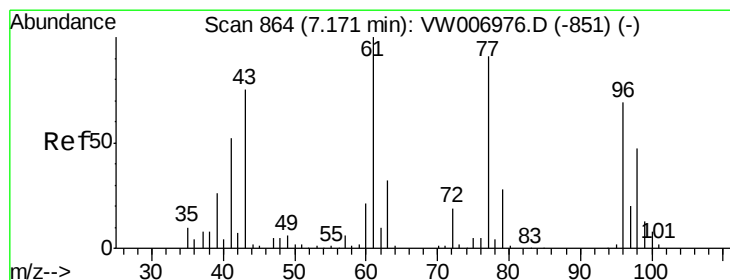
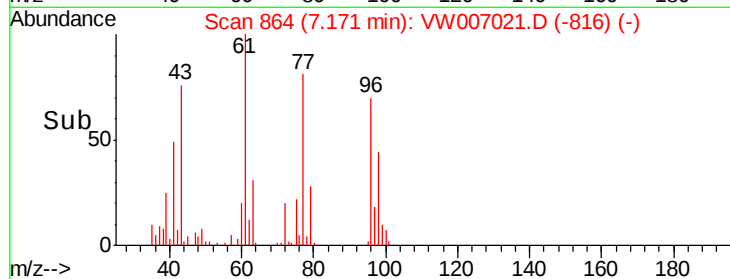
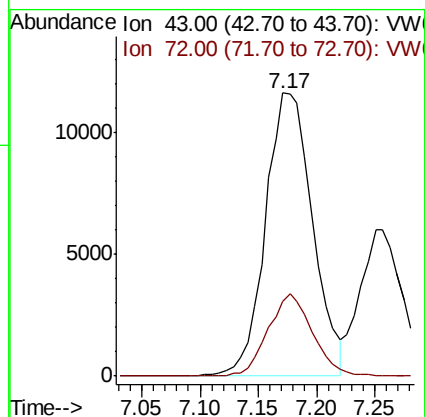
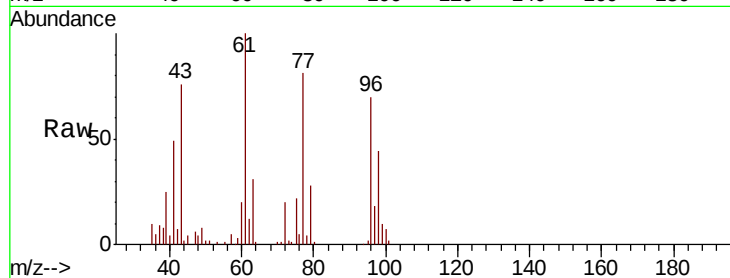
ClientSampled :

Tot Ion: 43 Resp: 32538

Ion Ratio Lower Upper

43 100

72 26.6 21.3 31.9



#26

2,2-Dichloropropane

Concen: 22.034 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007021.D

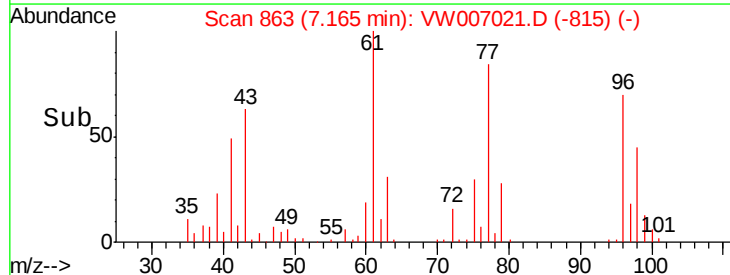
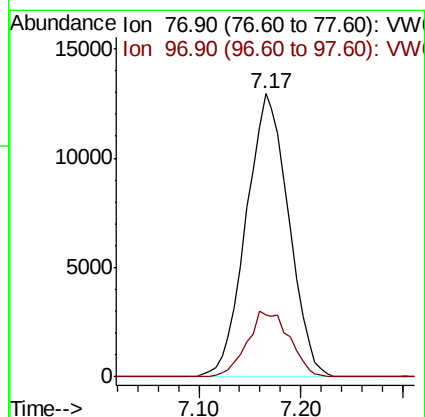
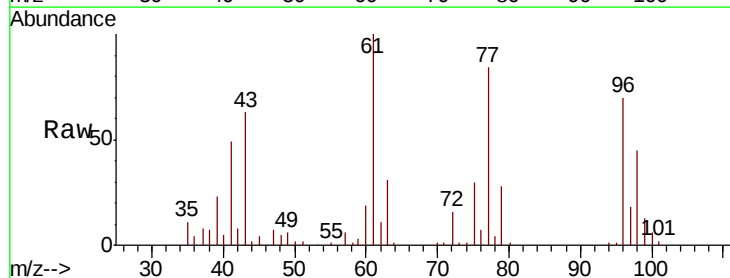
Acq: 22 Nov 2018 02:27

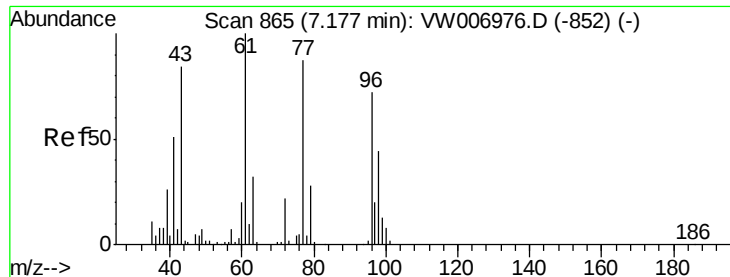
Tgt Ion: 77 Resp: 37511

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1



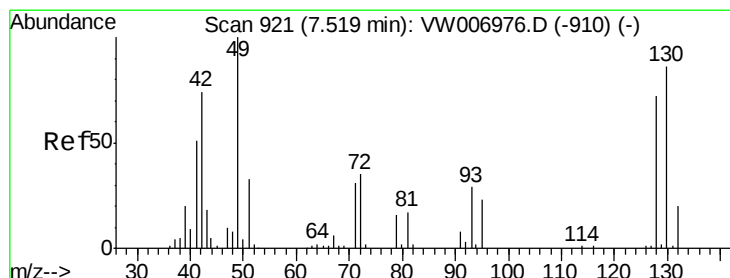
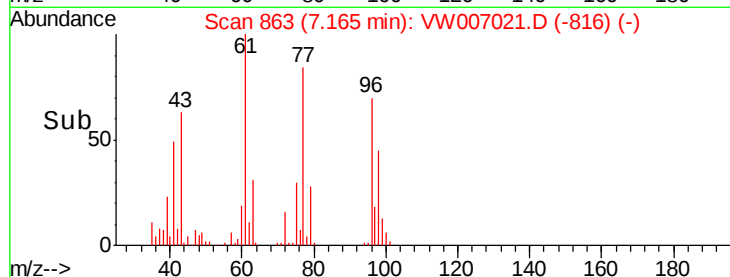
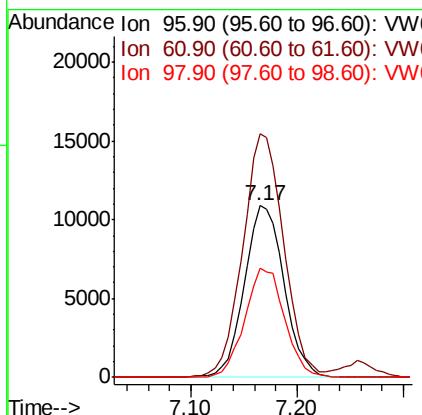
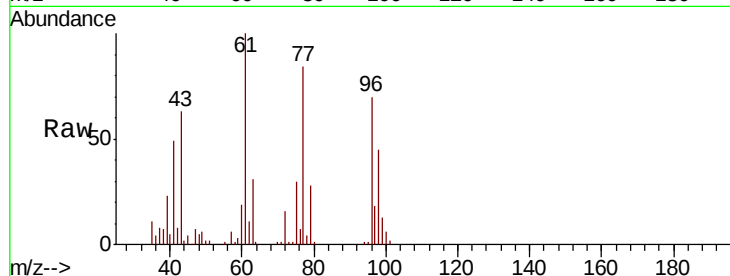


#27

cis-1,2-Dichloroethene
Concen: 23.772 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

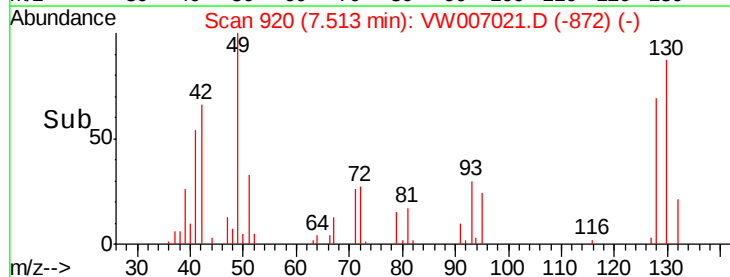
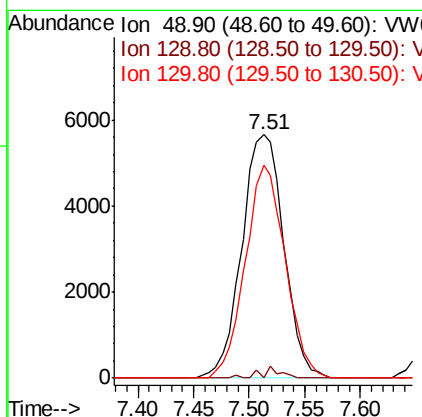
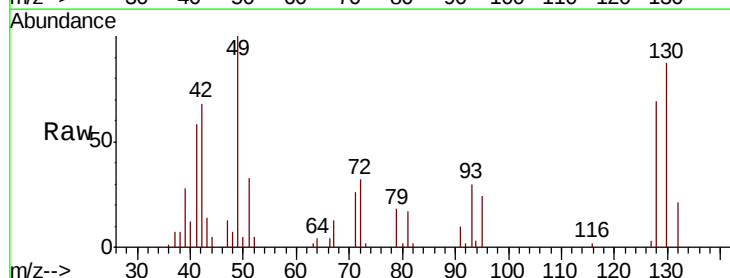
Tot Ion	96	Resp	28426
Ion Ratio	Lower	Upper	
96	100		
61	146.7	0.0	292.6
98	63.7	0.0	129.8

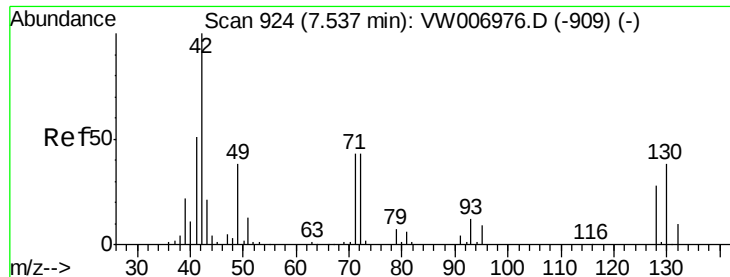


#28

Bromochloromethane
Concen: 21.007 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	49	Resp	14864
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.0#
130	83.2	69.0	103.4

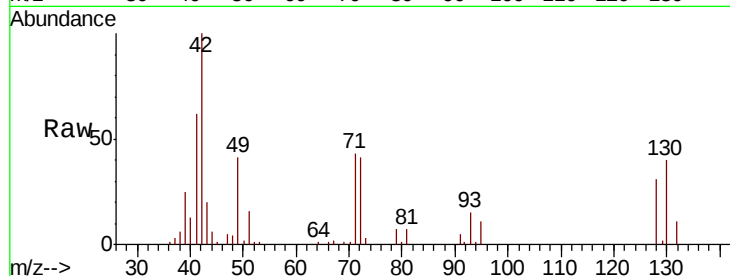




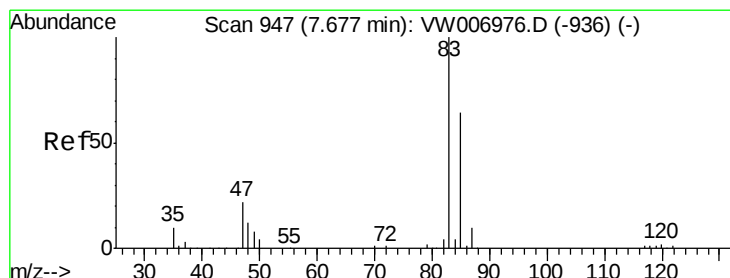
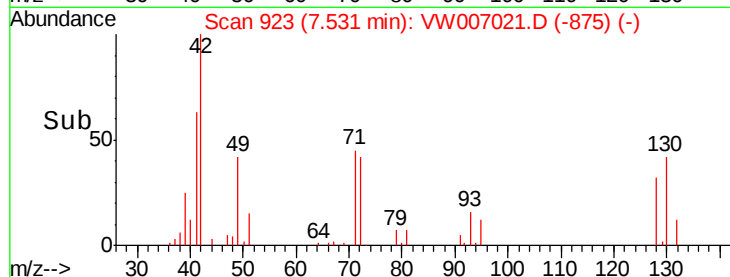
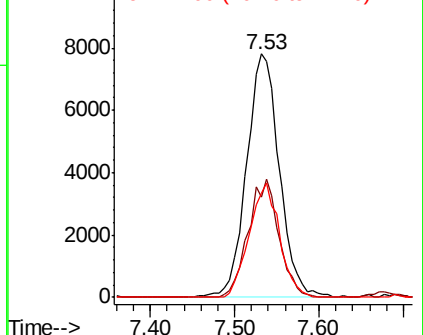
#29
Tetrahydrofuran
Concen: 123.210 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 20689
Ion Ratio Lower Upper
42 100
72 45.6 36.2 54.4
71 43.5 33.8 50.8

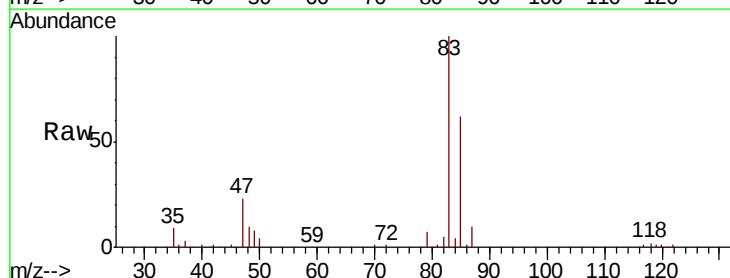


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

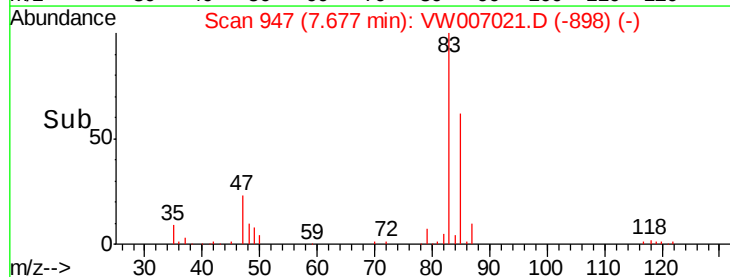
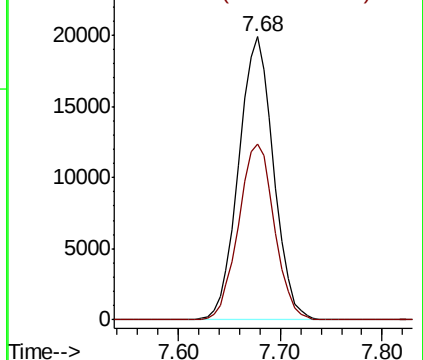


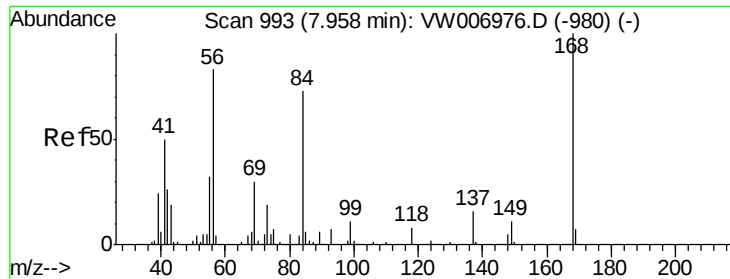
#30
Chloroform
Concen: 23.488 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 83 Resp: 47240
Ion Ratio Lower Upper
83 100
85 62.0 50.9 76.3



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

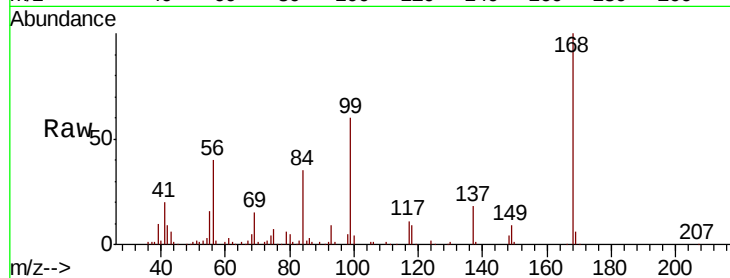




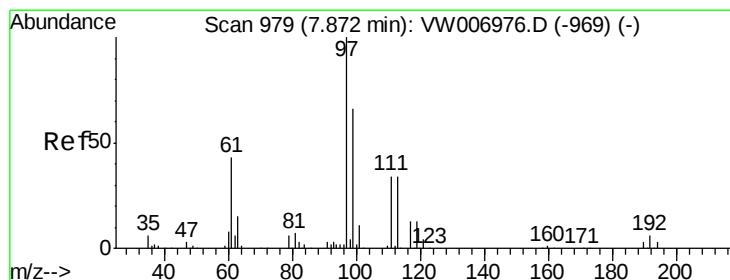
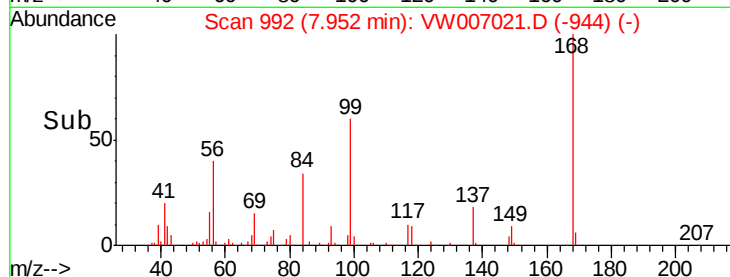
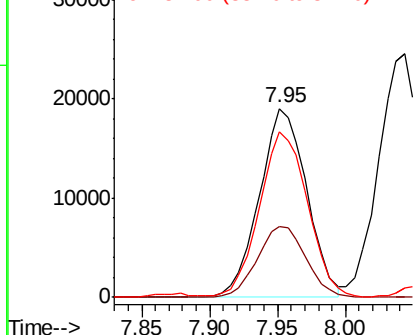
#31
Cyclohexane
Concen: 23.022 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 46230
Ion Ratio Lower Upper
56 100
69 37.2 29.1 43.7
84 86.6 70.6 105.8

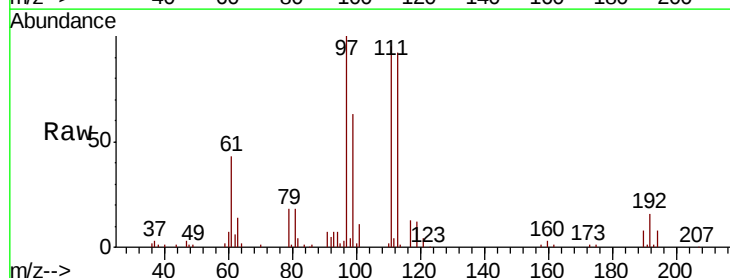


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

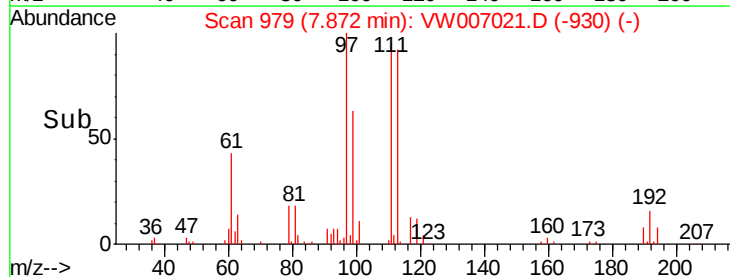
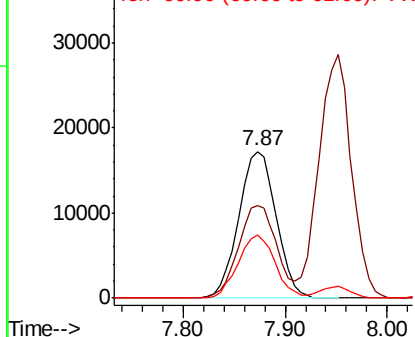


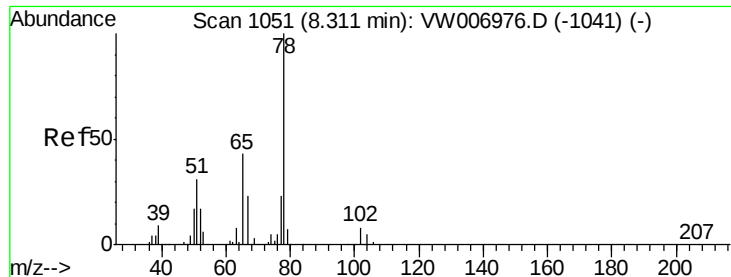
#32
1,1,1-Trichloroethane
Concen: 24.232 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 97 Resp: 43898
Ion Ratio Lower Upper
97 100
99 64.6 51.9 77.9
61 42.3 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 57.528 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

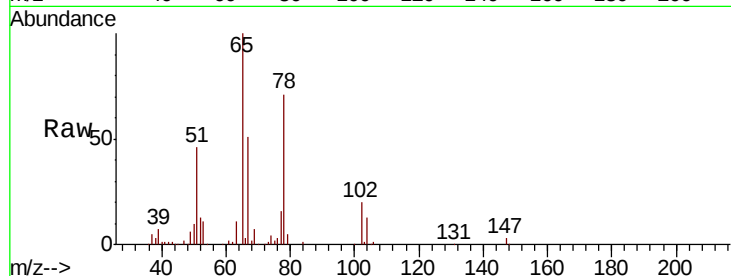
ClientSampleId :

Tot Ion: 65 Resp: 59981

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

25000

20000

15000

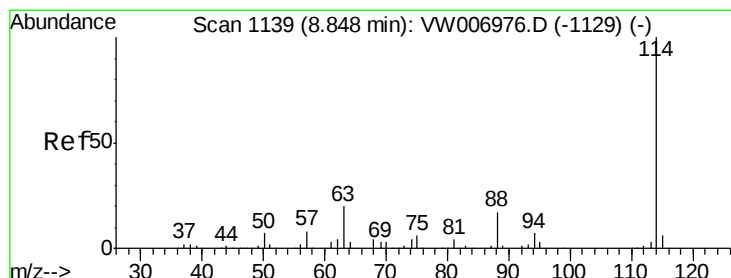
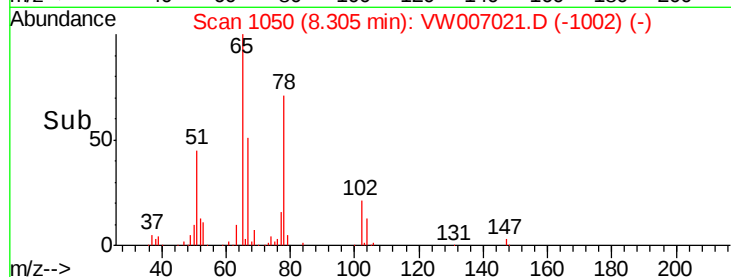
10000

5000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

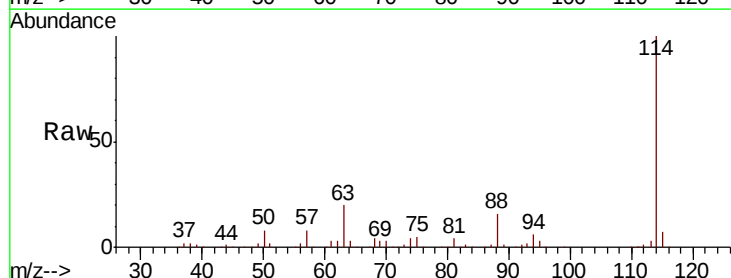
Tgt Ion: 114 Resp: 171821

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 16.3 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

8.84

120000

100000

80000

60000

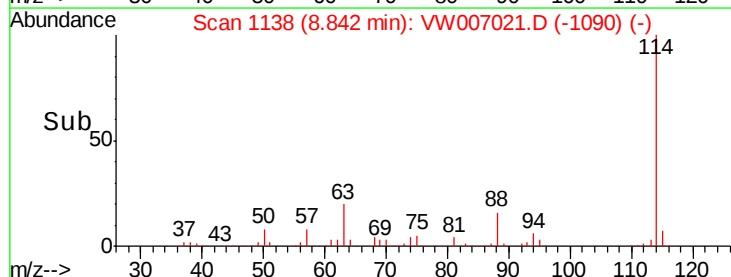
40000

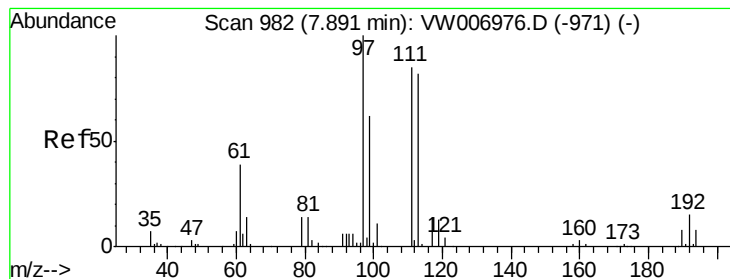
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 54.270 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

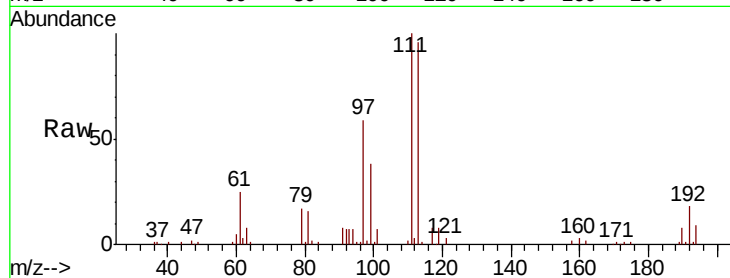
Tot Ion:113 Resp: 52659

Ion Ratio Lower Upper

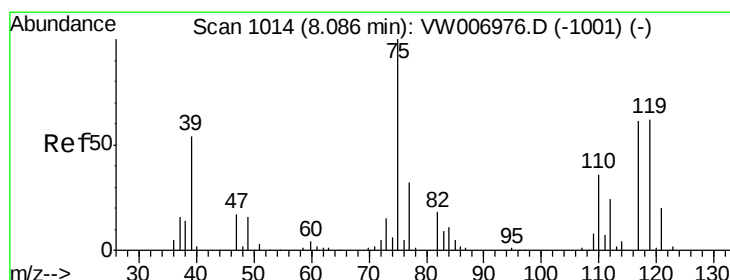
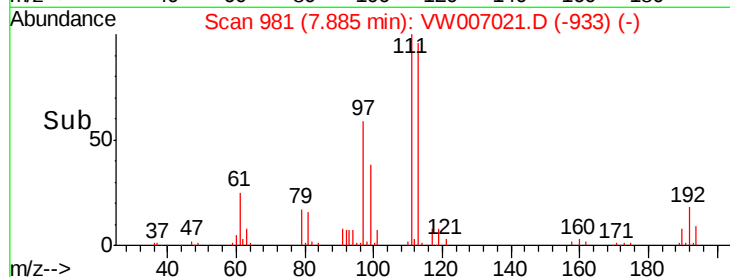
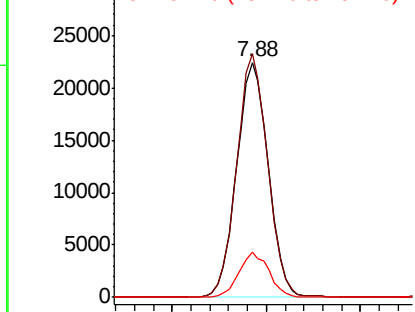
113 100

111 101.5 81.0 121.6

192 18.2 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 23.957 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

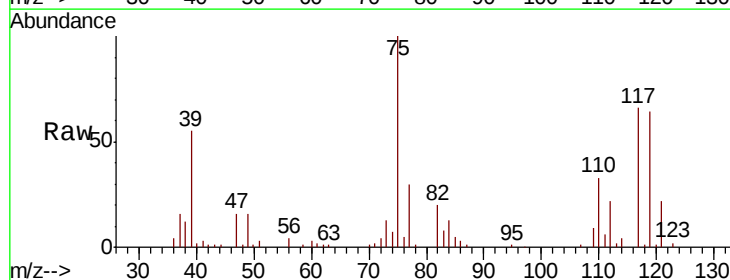
Tgt Ion: 75 Resp: 40225

Ion Ratio Lower Upper

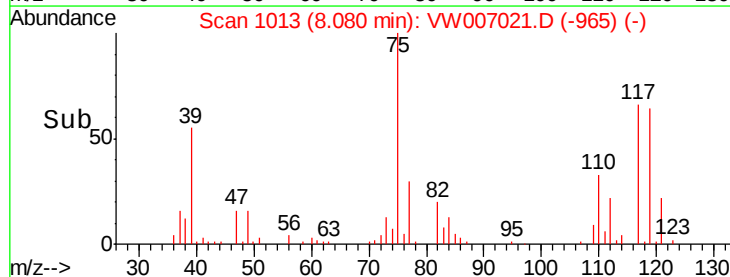
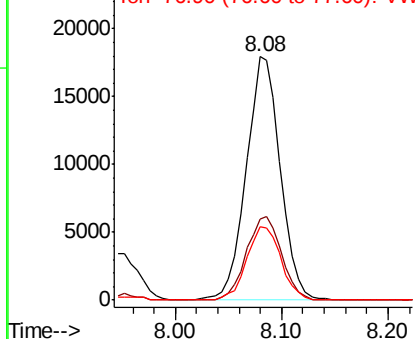
75 100

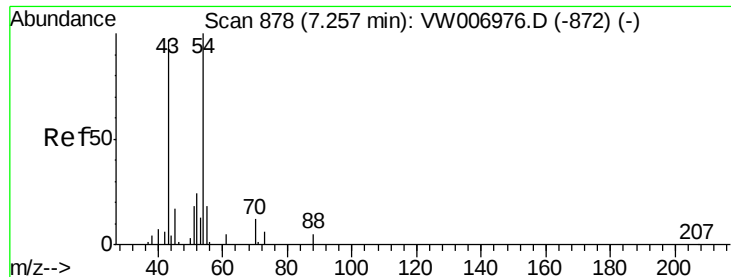
110 35.4 18.0 54.0

77 30.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

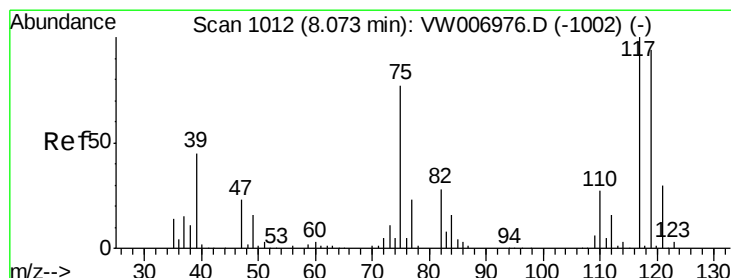
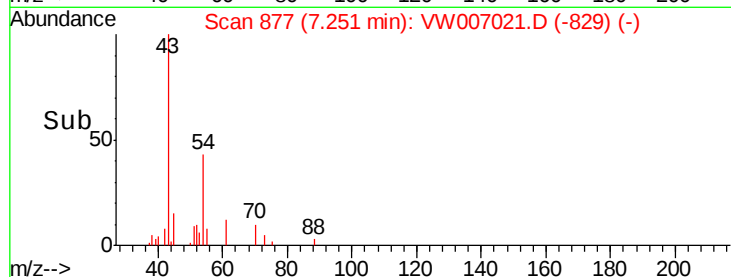
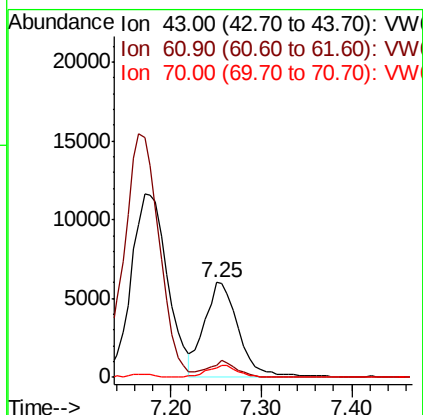
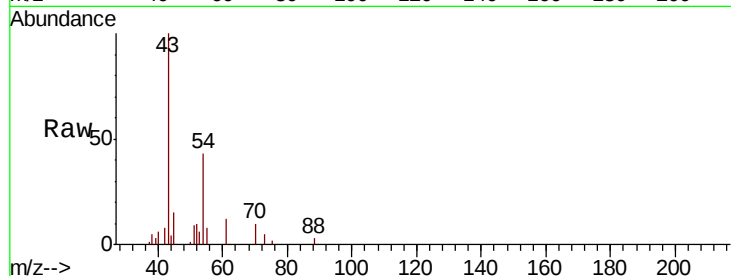




#37
Ethyl Acetate
Concen: 26.076 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

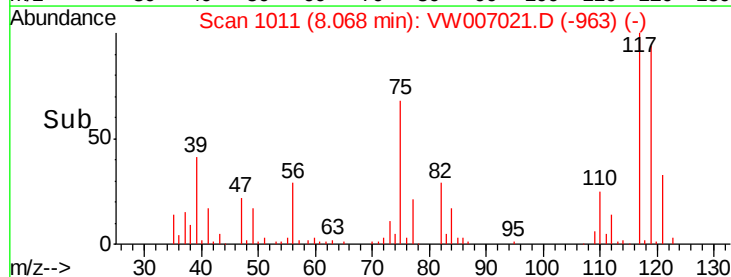
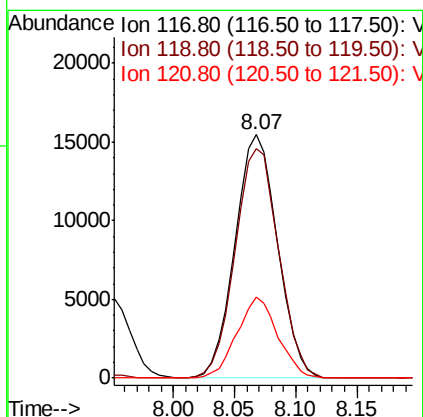
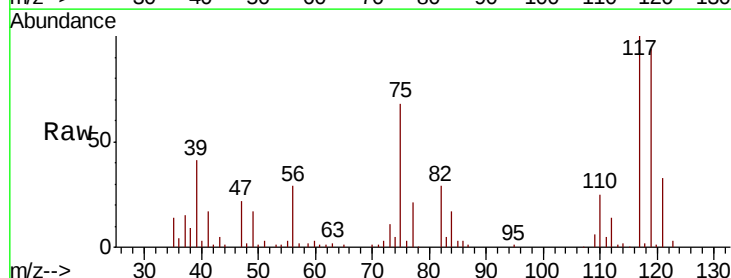
Instrument :
MSVOA_W
ClientSampleId :

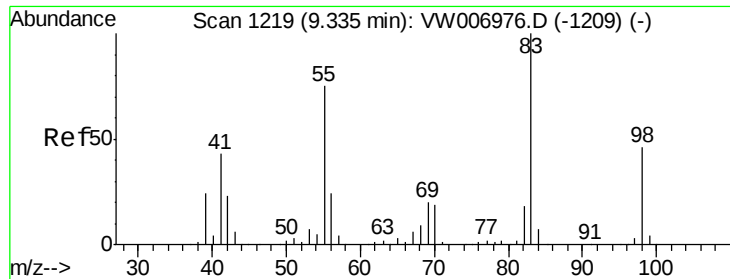
Tot Ion: 43 Resp: 15866
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 11.2 8.8 13.2



#38
Carbon Tetrachloride
Concen: 23.222 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 117 Resp: 37337
Ion Ratio Lower Upper
117 100
119 94.5 74.9 112.3
121 33.1 23.6 35.4

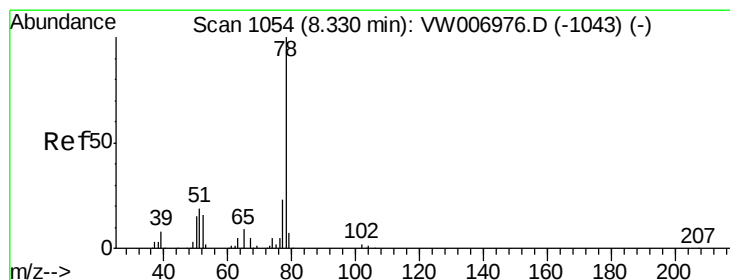
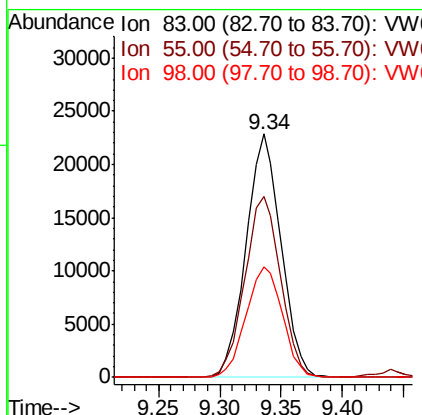
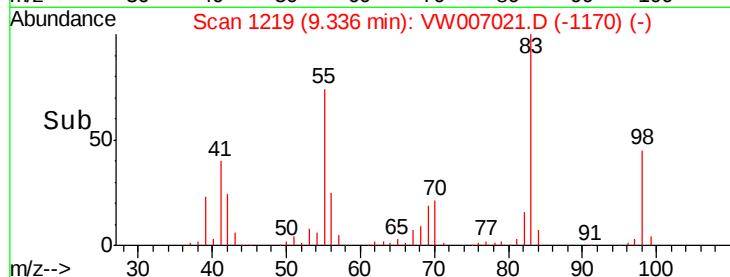
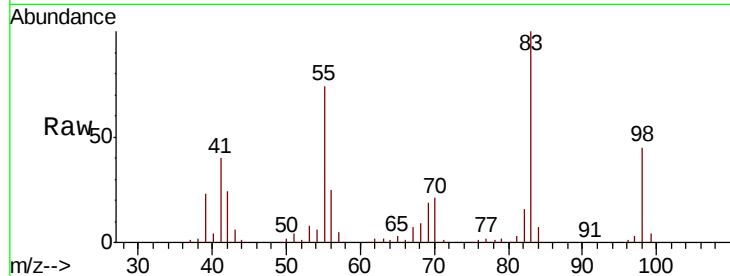




#39
Methvlcvclohexane
Concen: 21.591 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

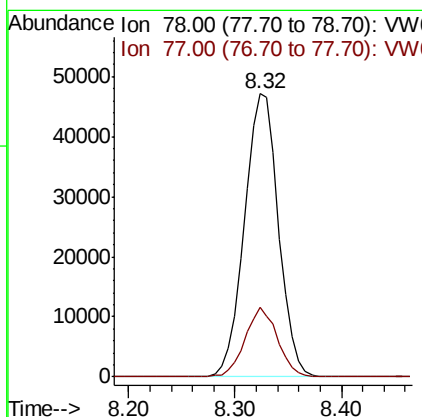
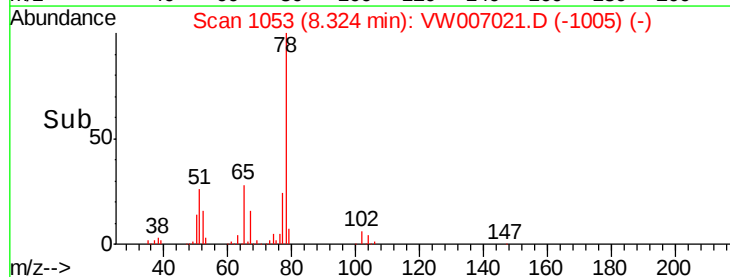
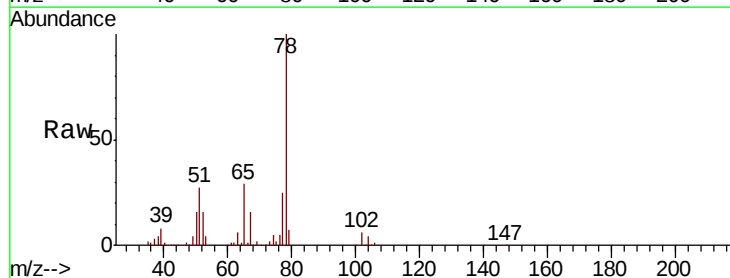
Instrument :
MSVOA_W
ClientSampled :

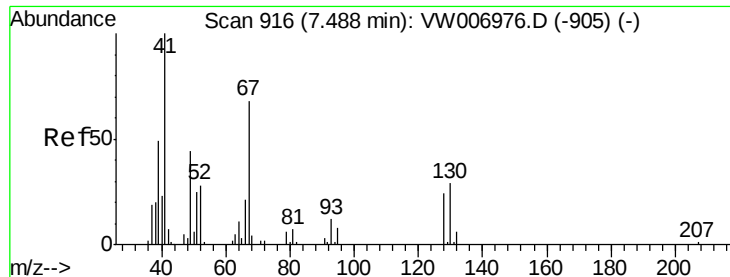
Tot Ion: 83 Resp: 45367
Ion Ratio Lower Upper
83 100
55 74.4 59.6 89.4
98 45.3 37.1 55.7



#40
Benzene
Concen: 23.351 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 78 Resp: 105836
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0

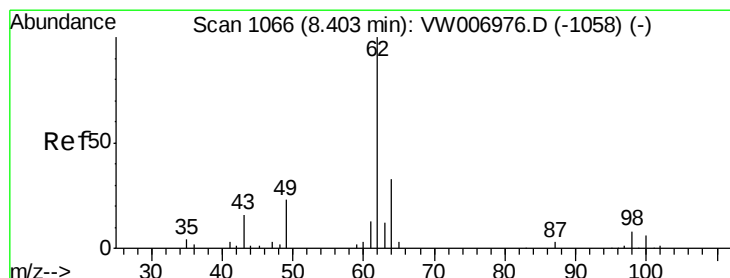
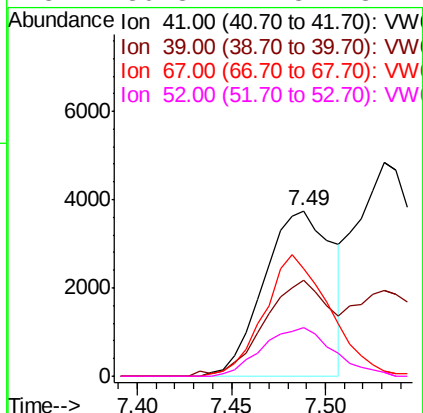
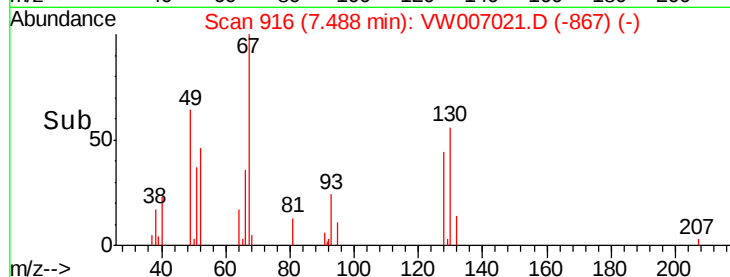
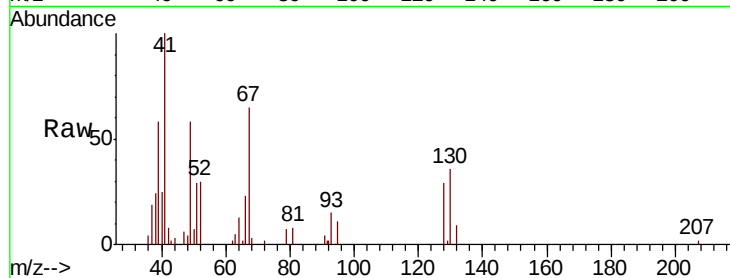




#41
Methacrylonitrile
Concen: 25.229 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

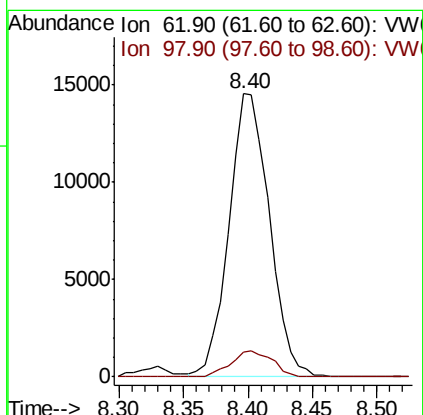
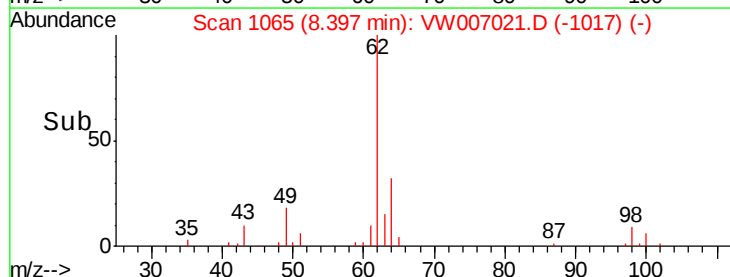
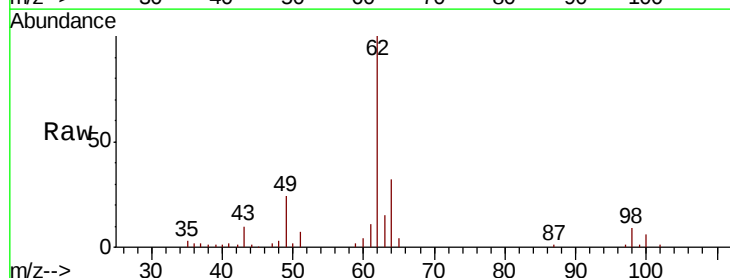
Instrument :
MSVOA_W
ClientSampled :

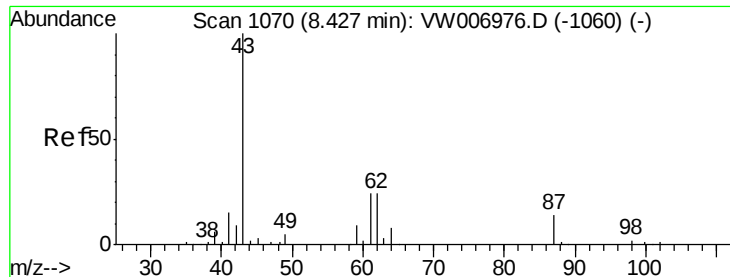
Tot Ion:	41	Resp:	9533
Ion	Ratio	Lower	Upper
41	100		
39	55.4	48.6	73.0
67	69.7	59.8	89.8
52	30.3	24.8	37.2



#42
1,2-Dichloroethane
Concen: 24.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:	62	Resp:	31828
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 24.962 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

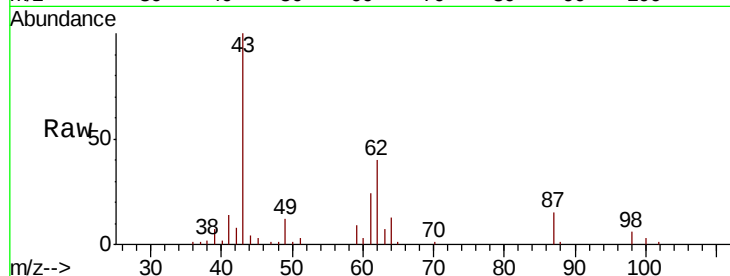
Tot Ion: 43 Resp: 28943

Ion Ratio Lower Upper

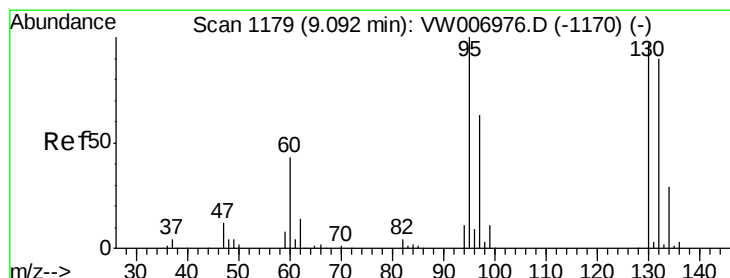
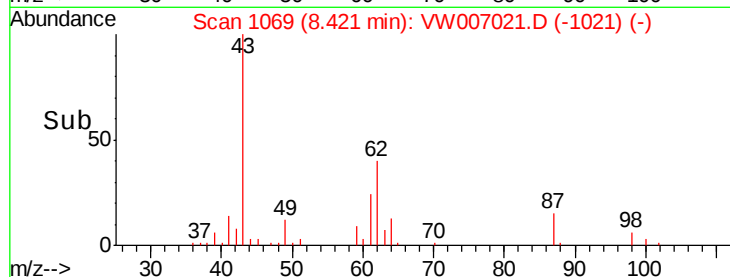
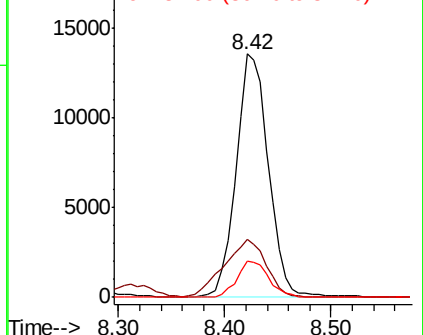
43 100

61 30.8 26.1 39.1

87 14.3 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 23.920 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007021.D

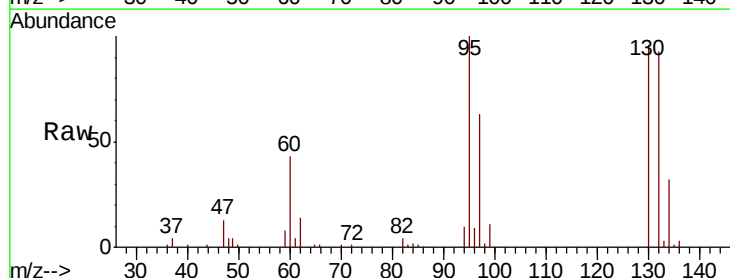
Acq: 22 Nov 2018 02:27

Tgt Ion: 130 Resp: 30391

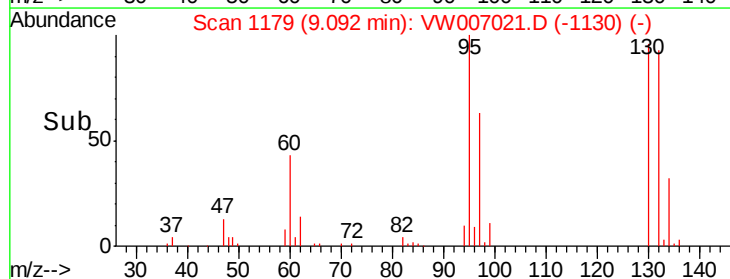
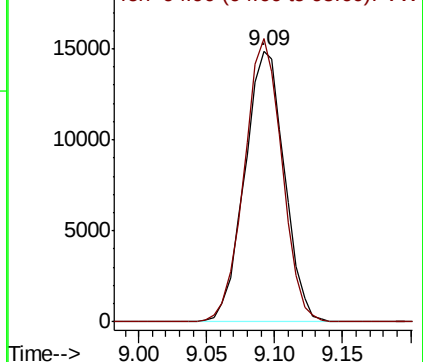
Ion Ratio Lower Upper

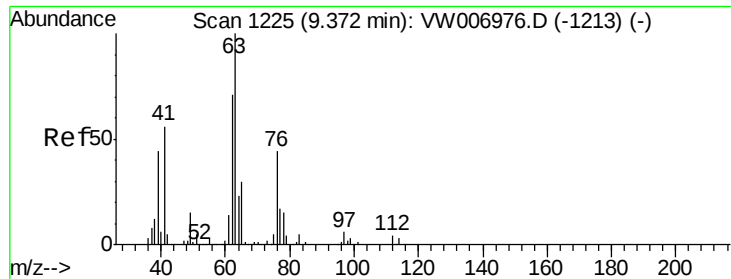
130 100

95 104.4 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 23.871 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

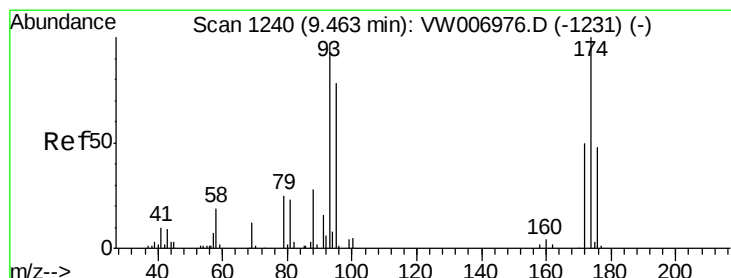
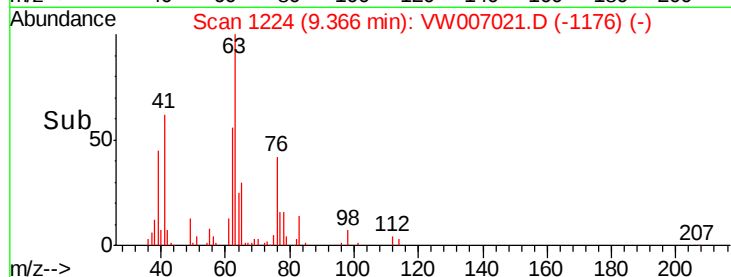
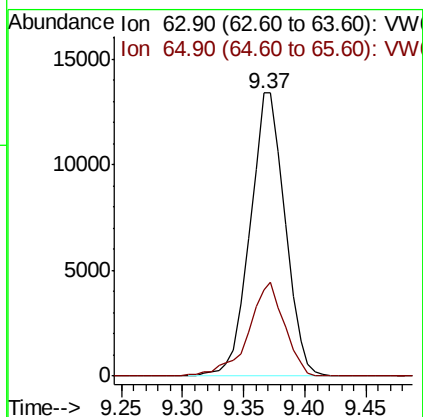
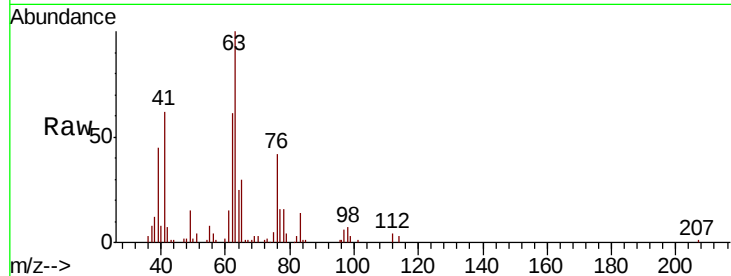
ClientSampleId :

Tot Ion: 63 Resp: 26670

Ion Ratio Lower Upper

63 100

65 30.4 24.4 36.6



#46

Dibromomethane

Concen: 24.288 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

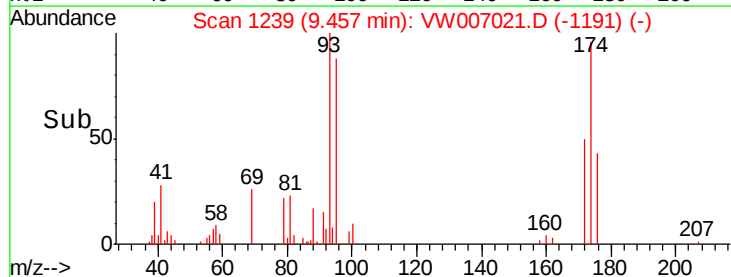
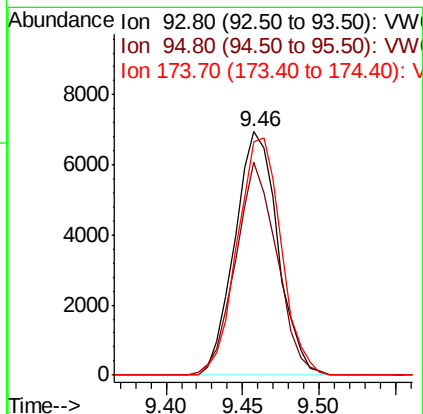
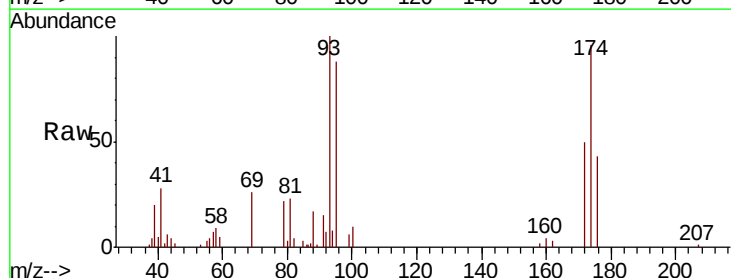
Tgt Ion: 93 Resp: 13589

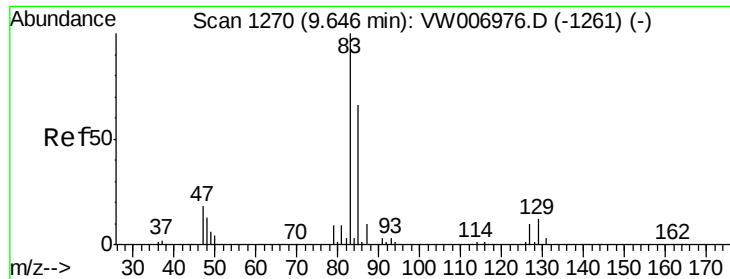
Ion Ratio Lower Upper

93 100

95 84.0 66.1 99.1

174 98.7 79.7 119.5





#47

Bromodichloromethane

Concen: 24.366 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

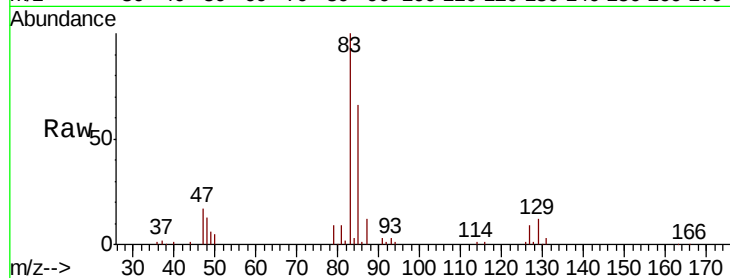
Tot Ion: 83 Resp: 35918

Ion Ratio Lower Upper

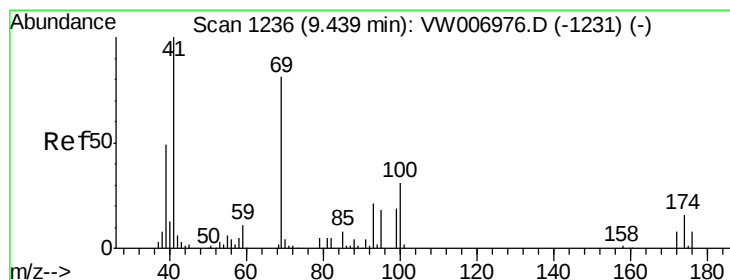
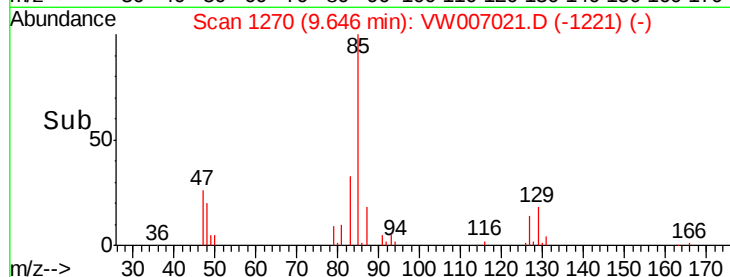
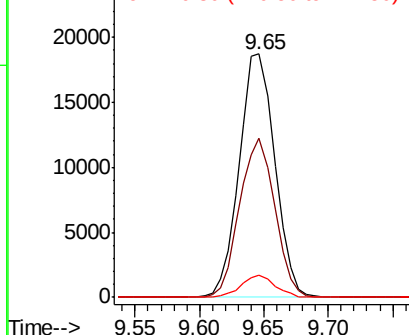
83 100

85 65.5 52.9 79.3

127 9.3 7.8 11.6



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



#48

Methyl methacrylate

Concen: 23.274 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

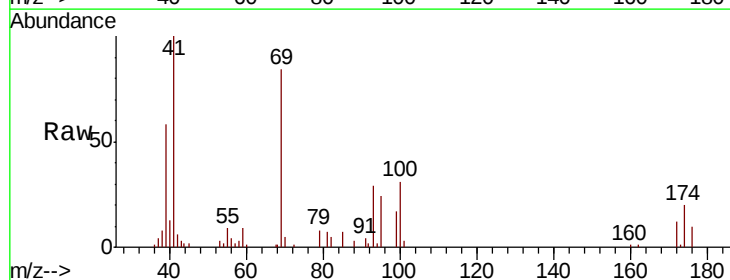
Tgt Ion: 41 Resp: 13012

Ion Ratio Lower Upper

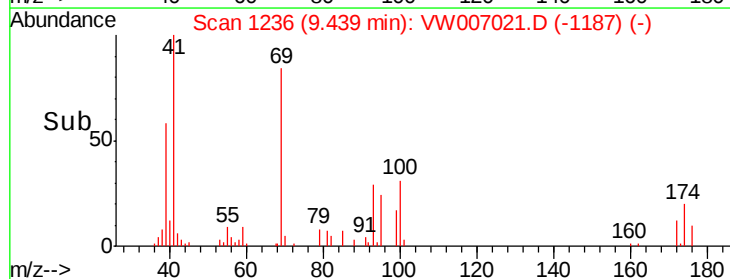
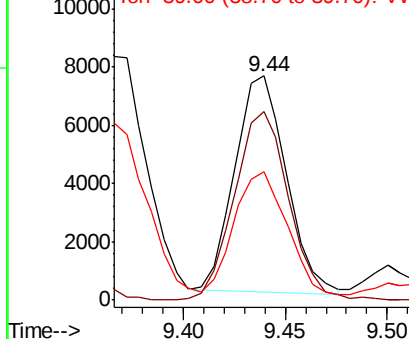
41 100

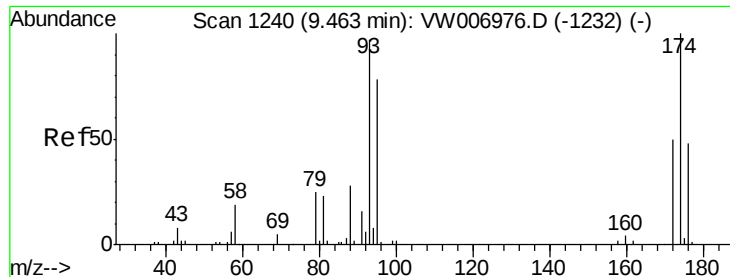
69 92.5 71.4 107.0

39 63.8 44.8 67.2



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

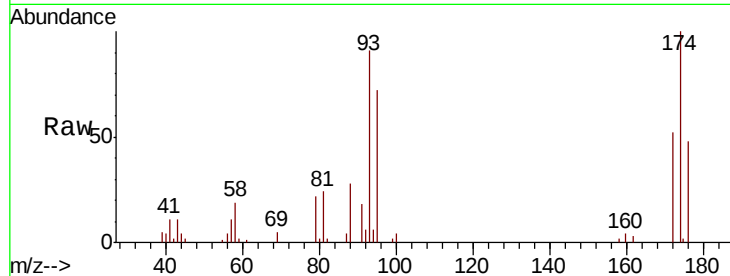




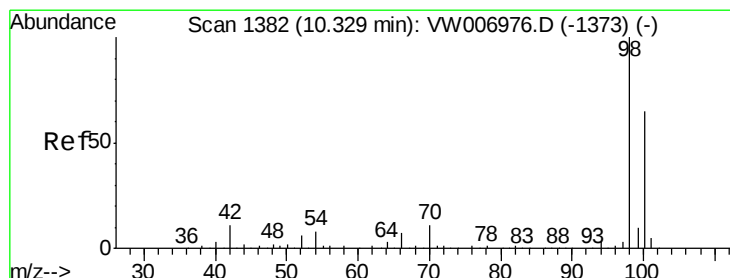
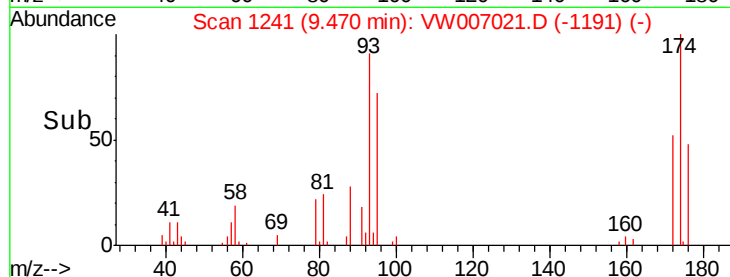
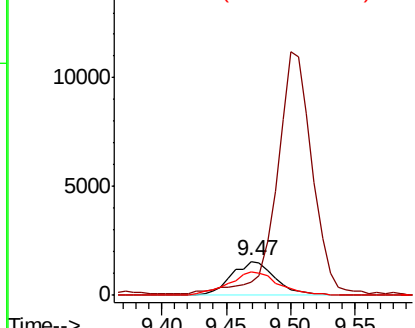
#49
1,4-Dioxane
Concen: 438.556 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 3647
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 78.9 59.0 88.6

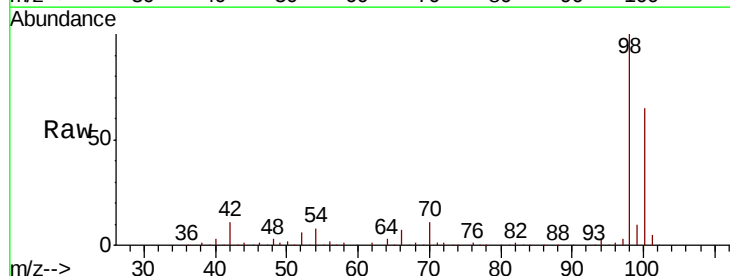


Abundance Ion 88.00 (87.70 to 88.70): VW
15000 Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

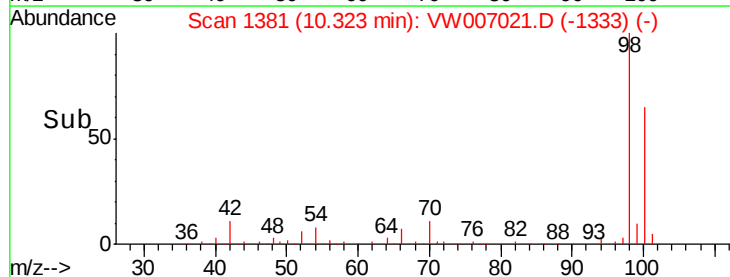
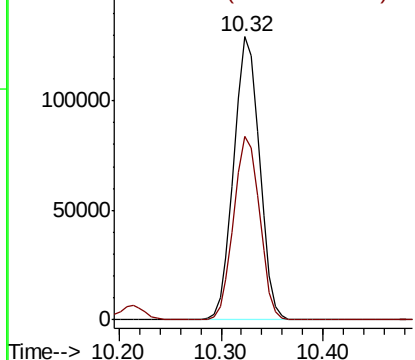


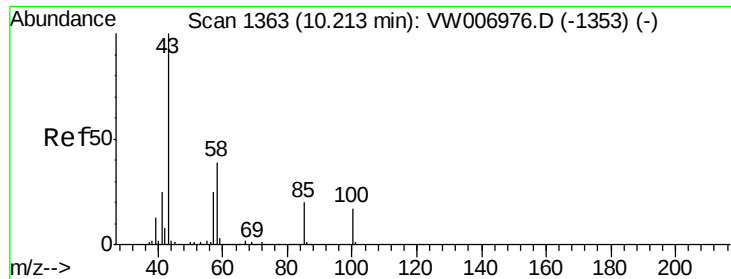
#50
Toluene-d8
Concen: 52.557 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 98 Resp: 225197
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
150000 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 122.213 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

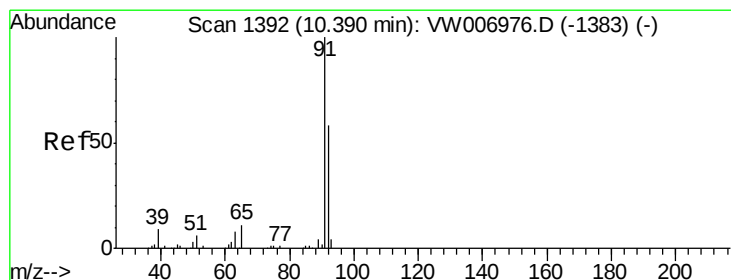
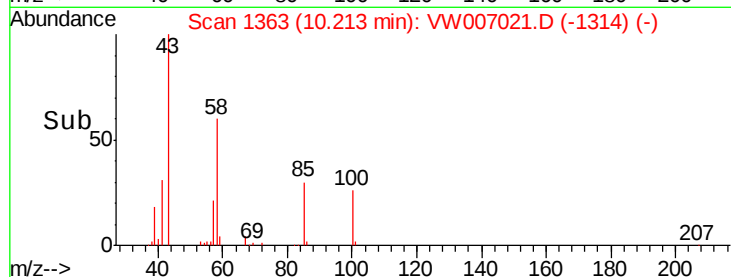
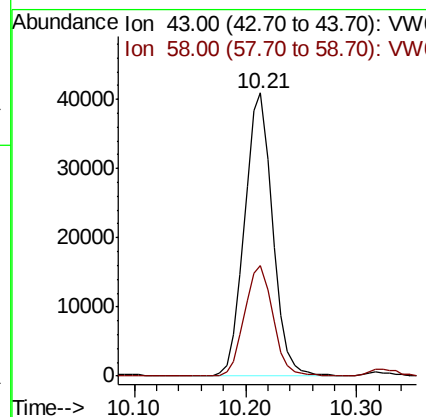
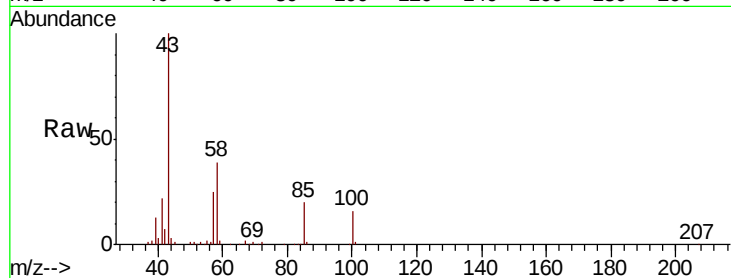
ClientSampleId :

Tot Ion: 43 Resp: 71611

Ion Ratio Lower Upper

43 100

58 39.5 31.8 47.6



#52

Toluene

Concen: 22.660 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007021.D

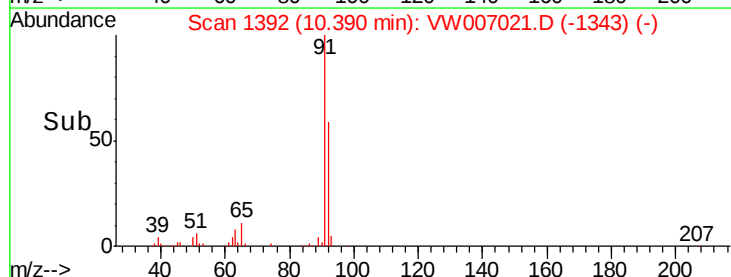
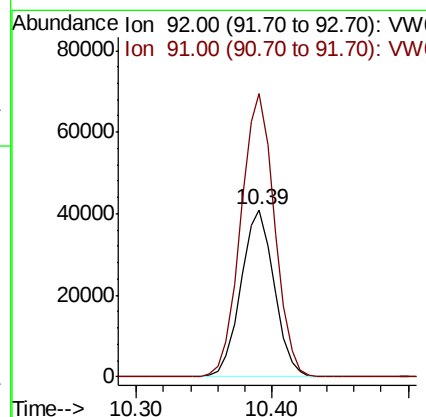
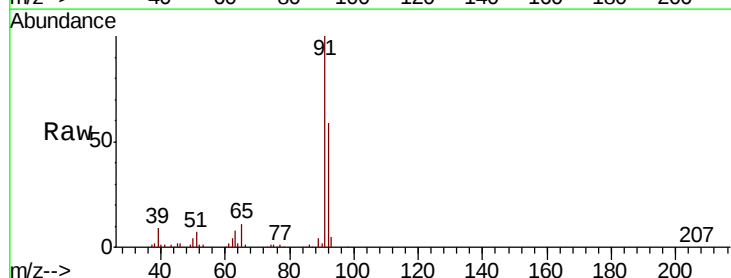
Acq: 22 Nov 2018 02:27

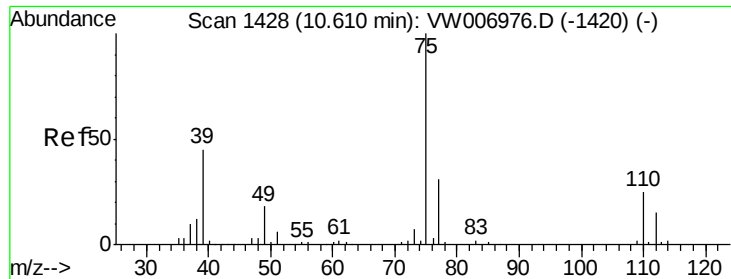
Tgt Ion: 92 Resp: 69893

Ion Ratio Lower Upper

92 100

91 171.4 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 23.367 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

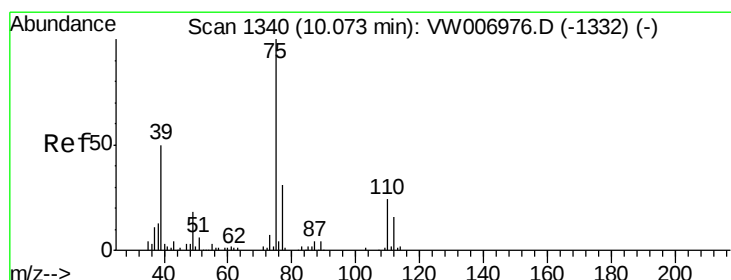
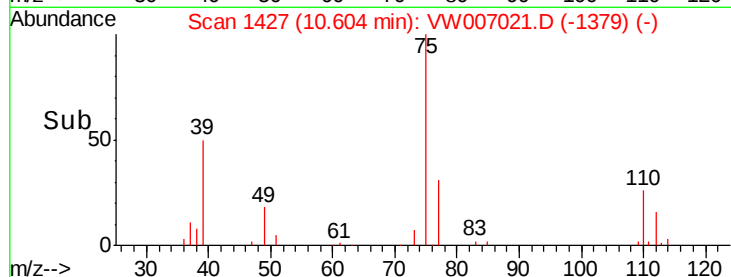
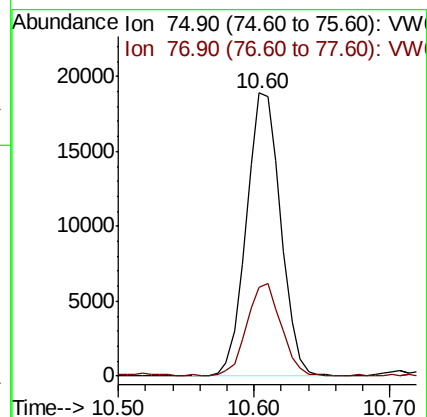
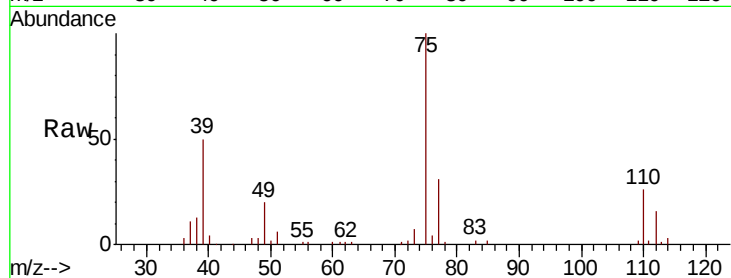
ClientSampleId :

Tot Ion: 75 Resp: 33368

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 23.635 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

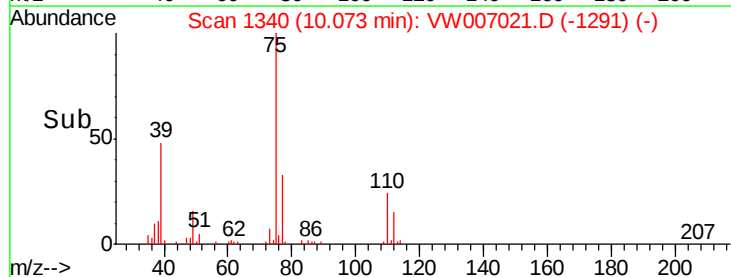
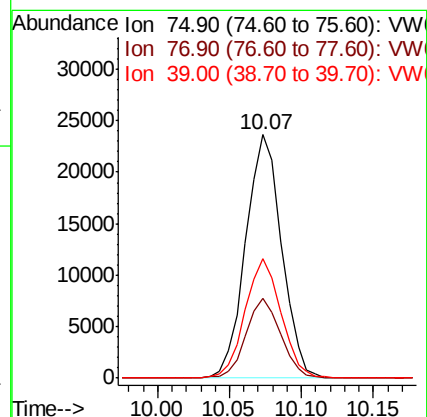
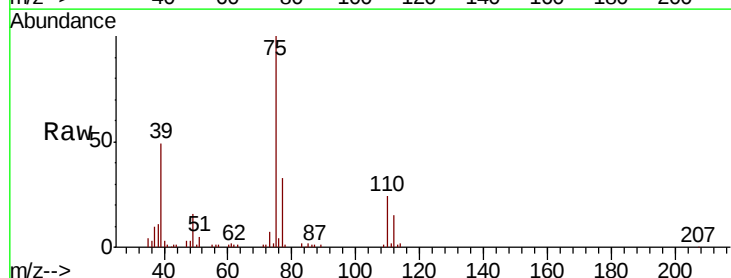
Tgt Ion: 75 Resp: 40776

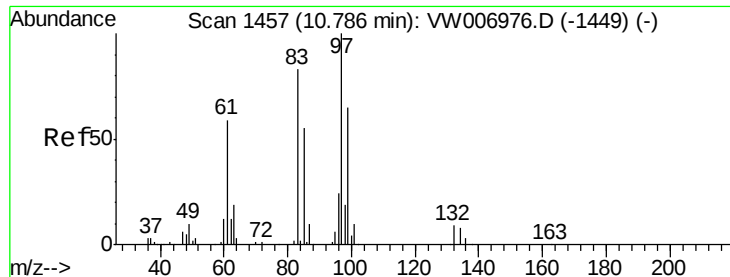
Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.6

39 49.0 39.9 59.9

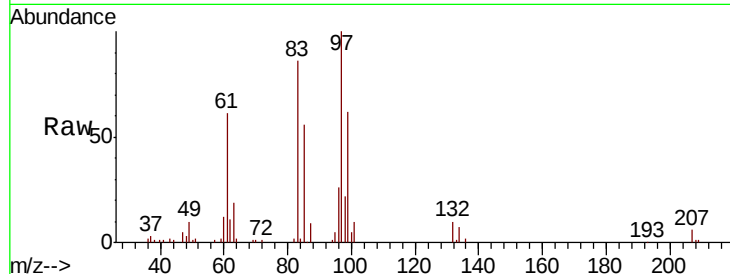




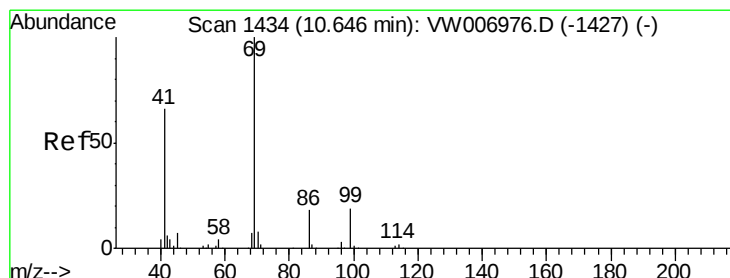
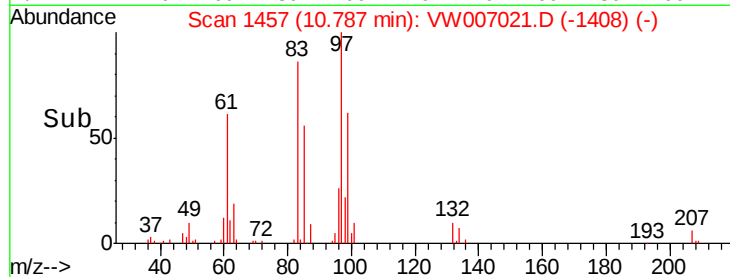
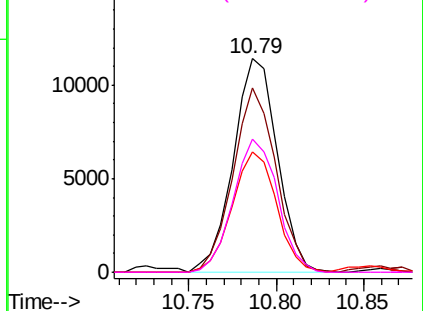
#55
 1,1,2-Trichloroethane
 Concen: 24.274 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	19982
Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.4	99.6
85	56.2	44.1	66.1
99	62.2	51.7	77.5

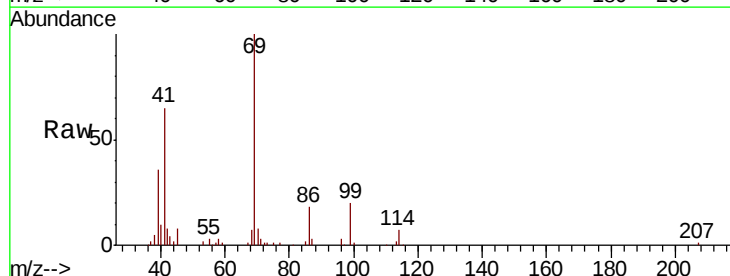


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

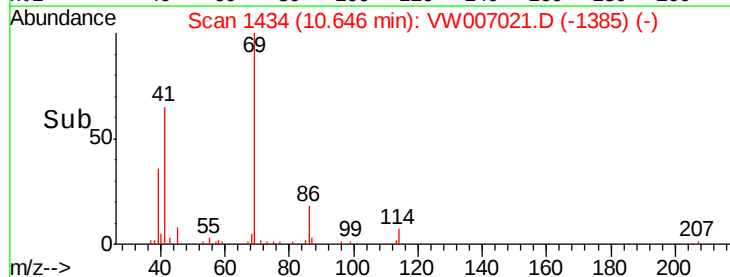
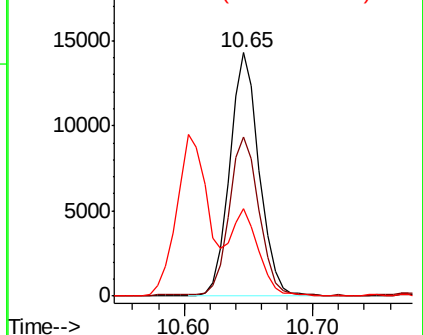


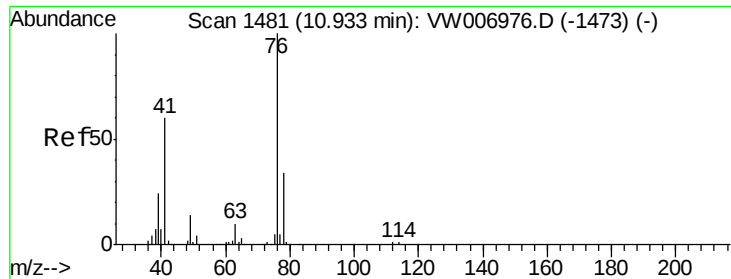
#56
 Ethyl methacrylate
 Concen: 23.883 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion:	69	Resp:	22821
Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.4	80.0
39	34.4	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: 24.940 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

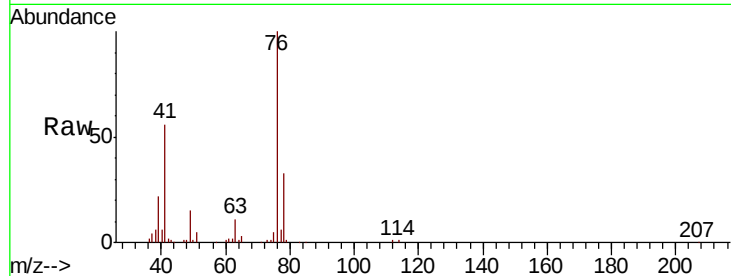
ClientSampled :

Tot Ion: 76 Resp: 34404

Ion Ratio Lower Upper

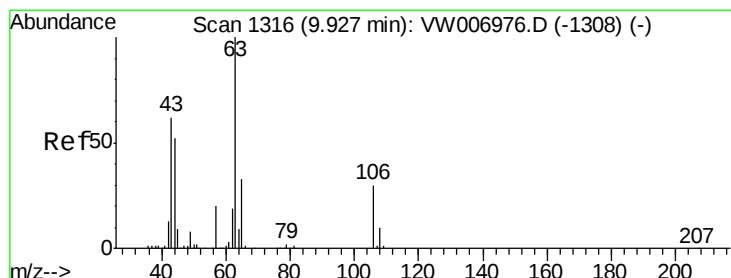
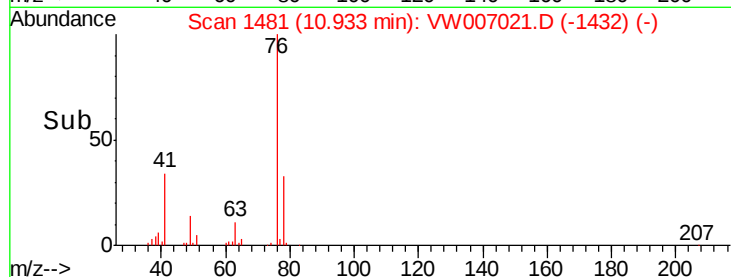
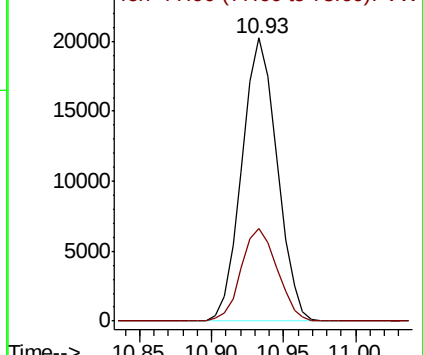
76 100

78 33.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 109.457 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007021.D

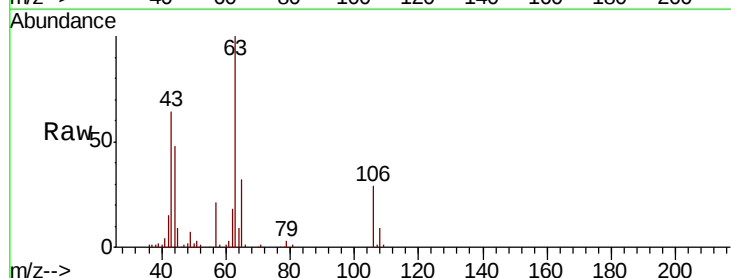
Acq: 22 Nov 2018 02:27

Tgt Ion: 63 Resp: 54653

Ion Ratio Lower Upper

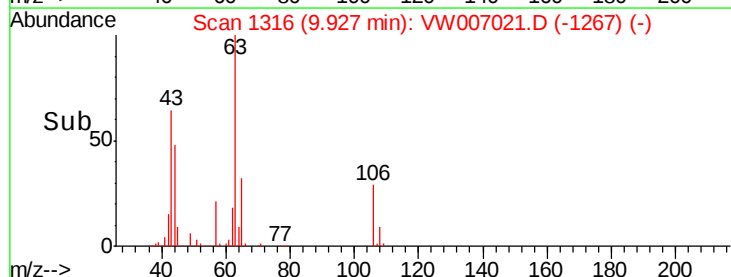
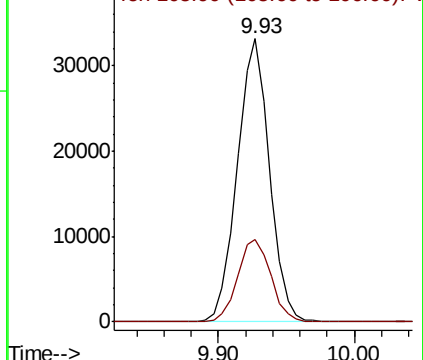
63 100

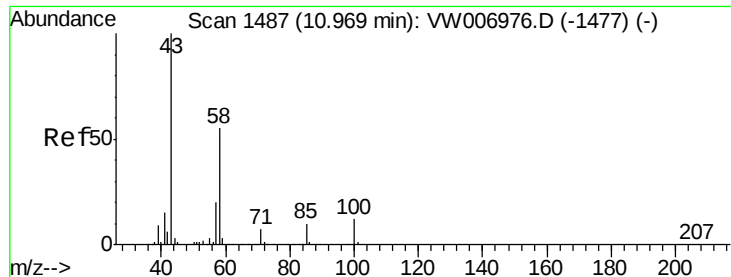
106 30.0 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 119.390 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

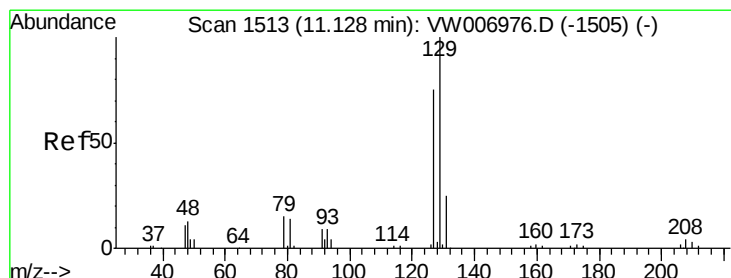
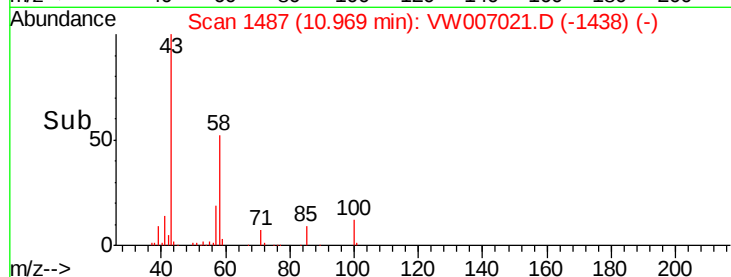
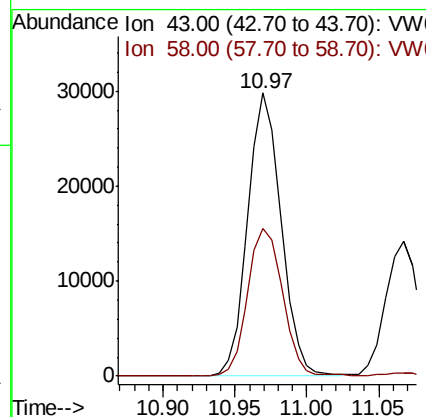
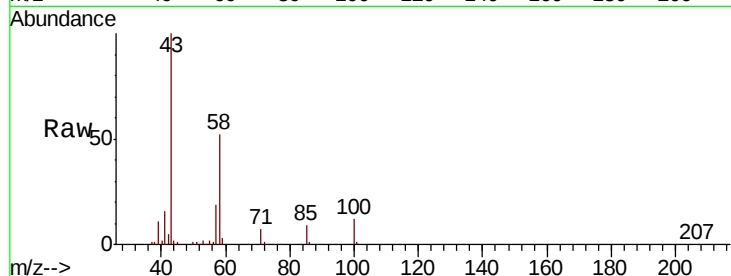
ClientSampleId :

Tot Ion: 43 Resp: 47906

Ion Ratio Lower Upper

43 100

58 54.6 27.3 81.8



#60

Dibromochloromethane

Concen: 24.149 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007021.D

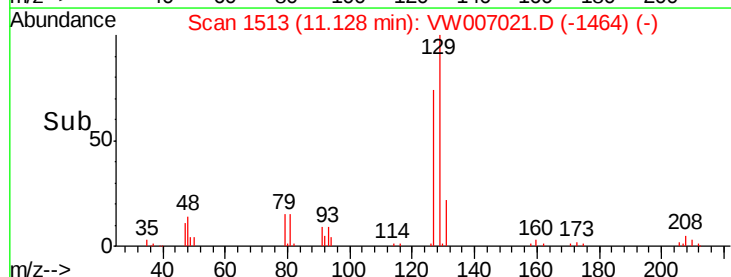
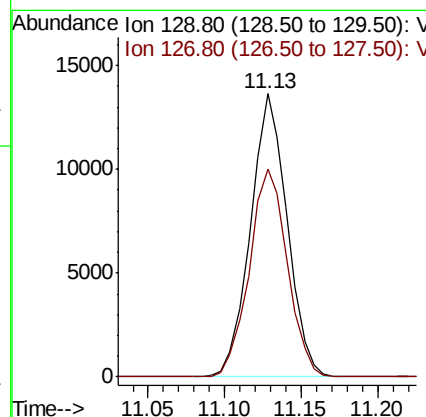
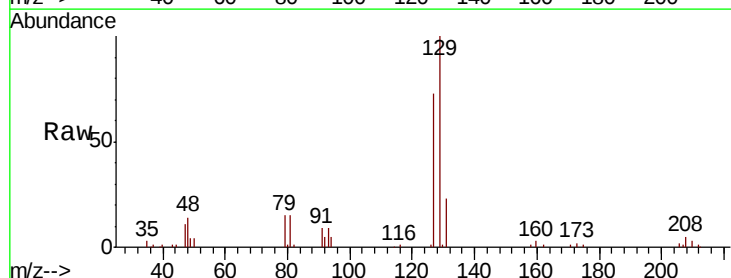
Acq: 22 Nov 2018 02:27

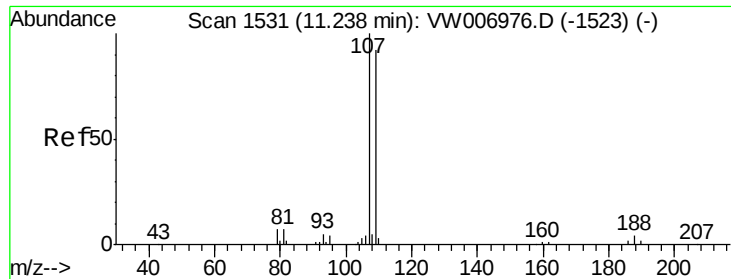
Tgt Ion:129 Resp: 22651

Ion Ratio Lower Upper

129 100

127 75.9 38.3 114.8

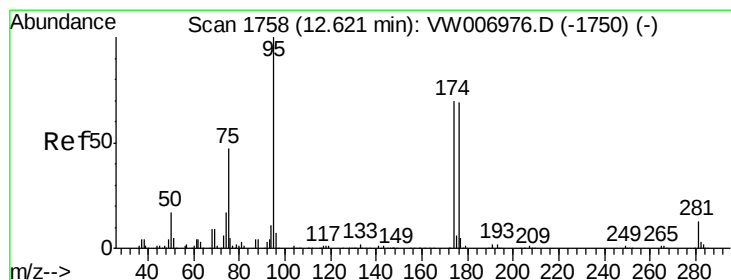
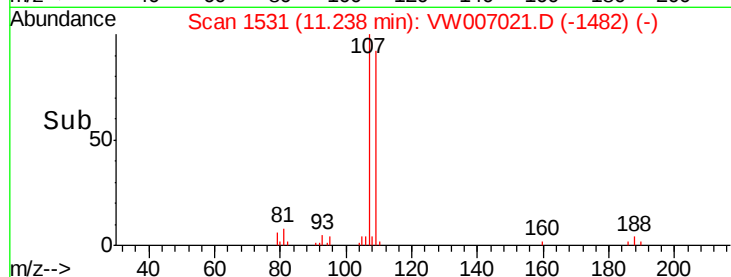
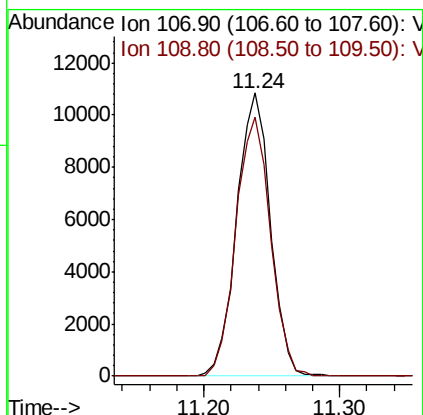
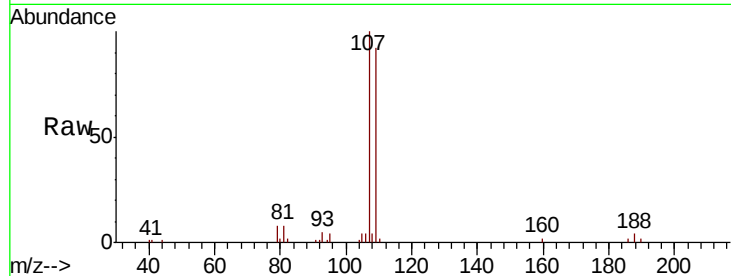




#61
 1,2-Dibromoethane
 Concen: 24.890 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

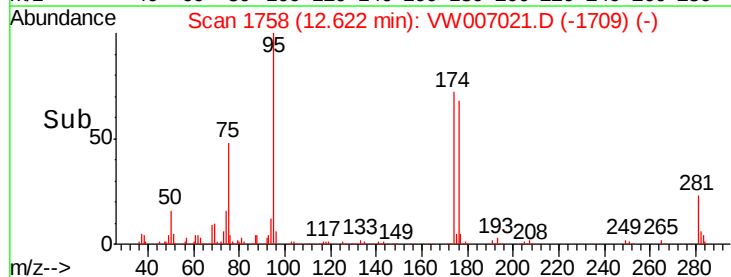
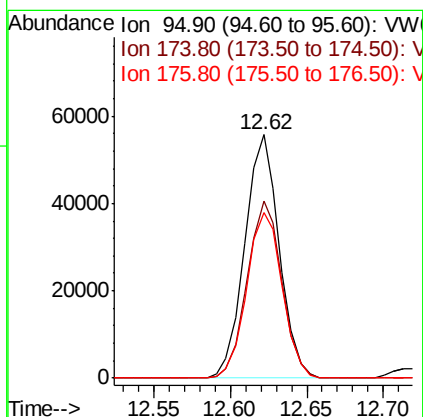
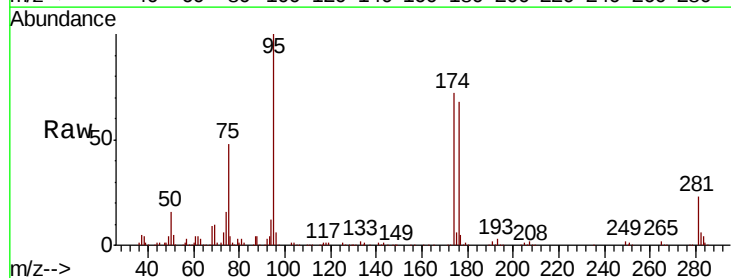
Instrument :
 MSVOA_W
 ClientSampleId :

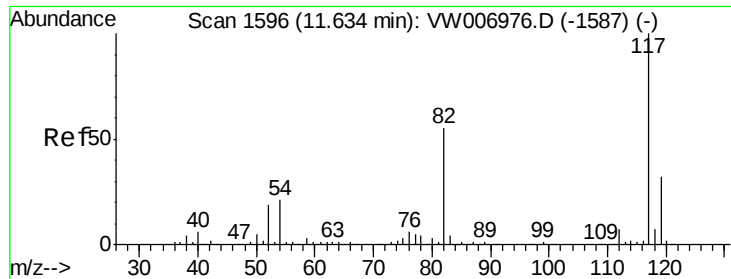
Tot Ion: 107 Resp: 18743
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 51.458 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion: 95 Resp: 86765
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 143.6
 176 70.3 0.0 140.4

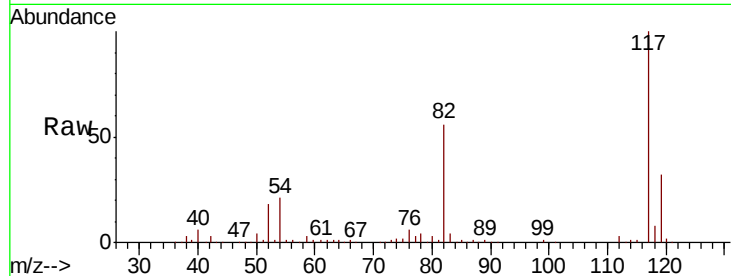




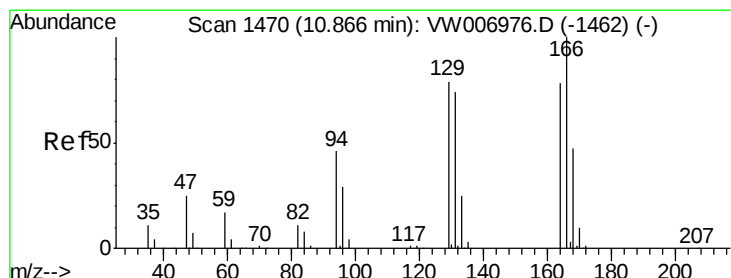
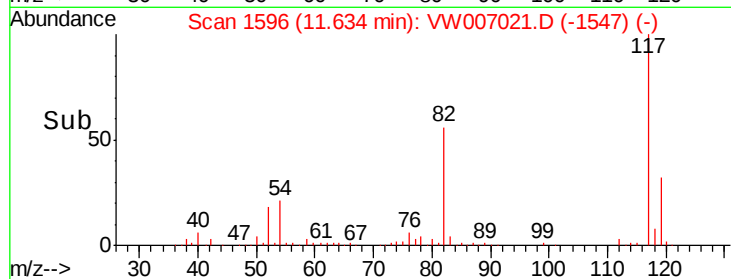
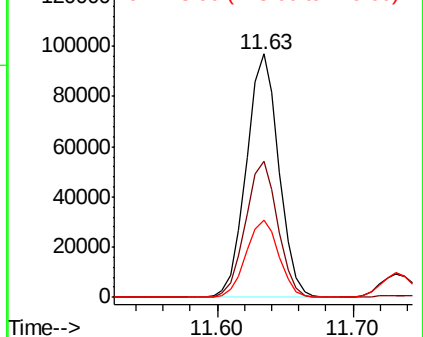
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 161346
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 31.7 25.9 38.9

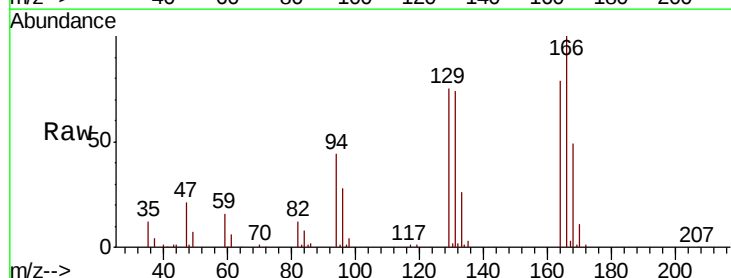


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

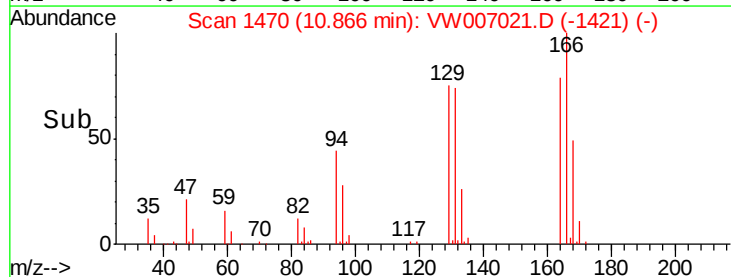
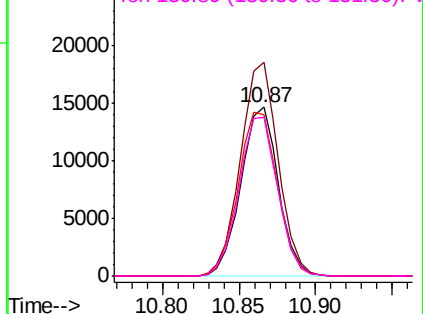


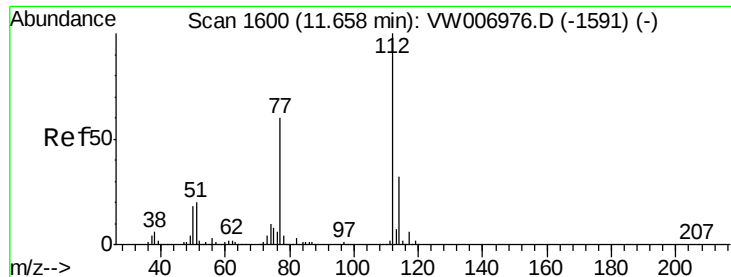
#64
Tetrachloroethene
Concen: 24.016 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:164 Resp: 24928
Ion Ratio Lower Upper
164 100
166 126.5 102.1 153.1
129 95.2 80.4 120.6
131 93.9 75.2 112.8



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

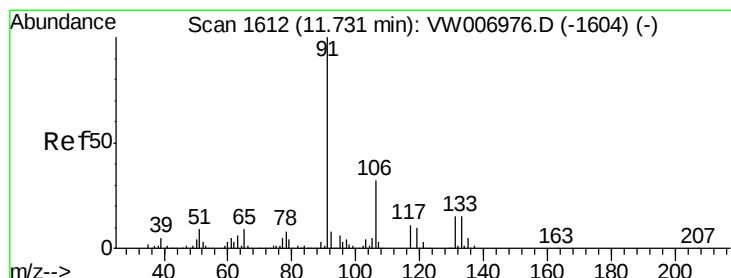
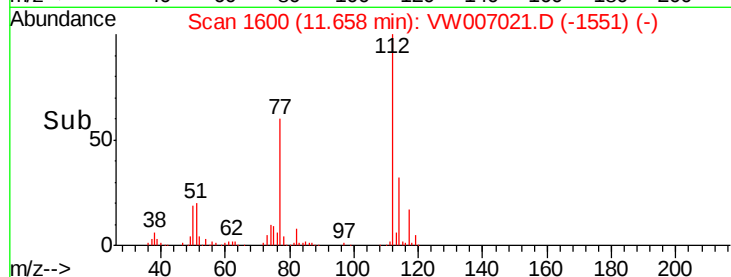
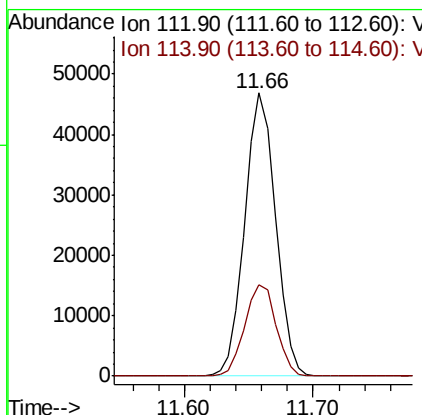
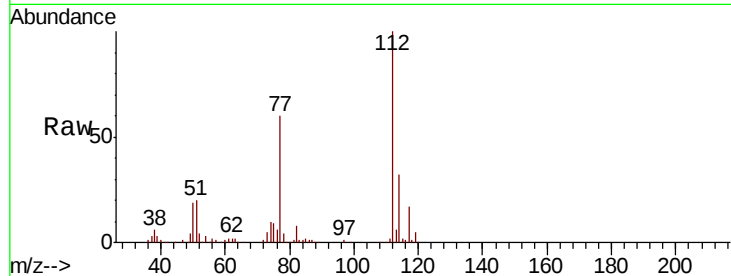




#65
Chlorobenzene
Concen: 22.965 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

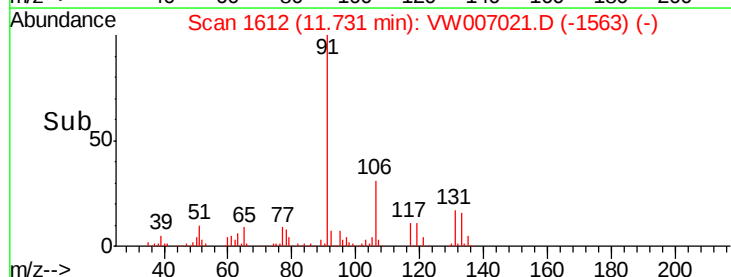
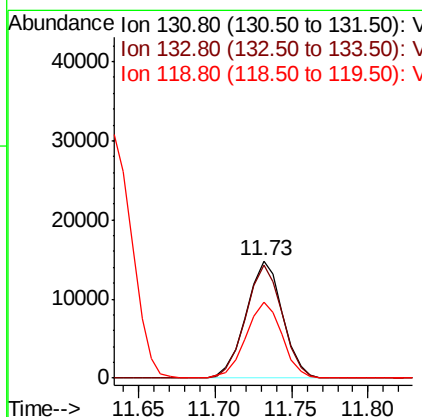
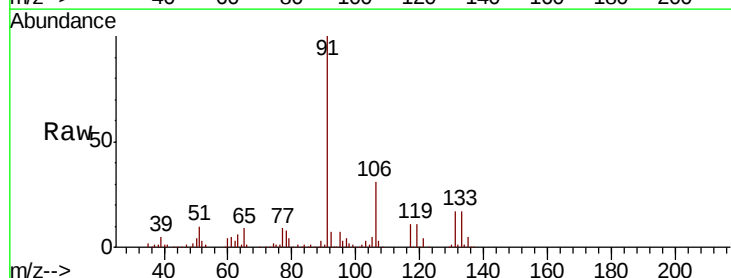
Instrument :
MSVOA_W
ClientSampleId :

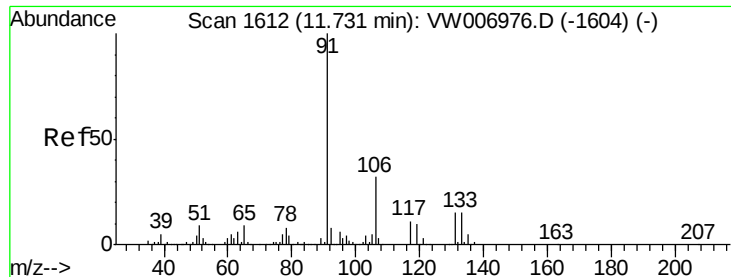
Tot Ion:112 Resp: 77335
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.019 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:131 Resp: 24468
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 64.7 31.8 95.3

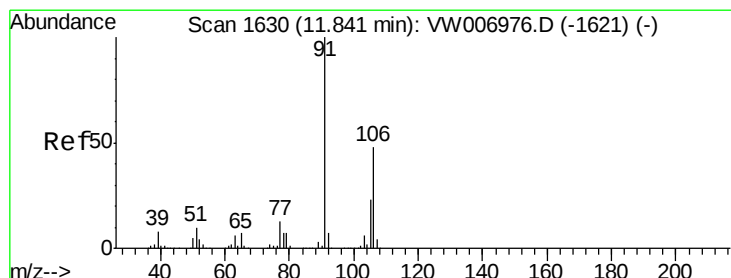
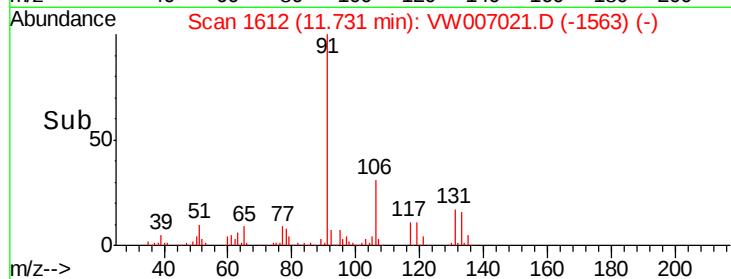
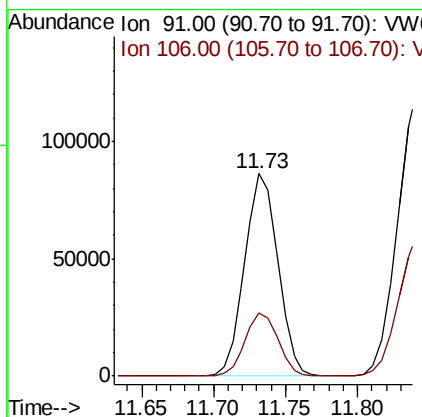
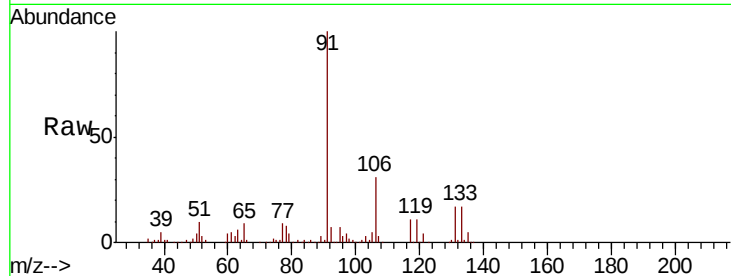




#67
Ethyl Benzene
Concen: 22.246 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

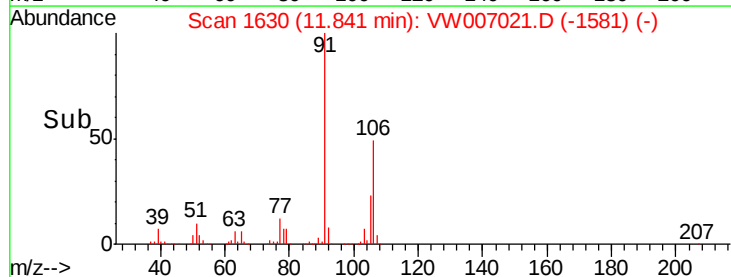
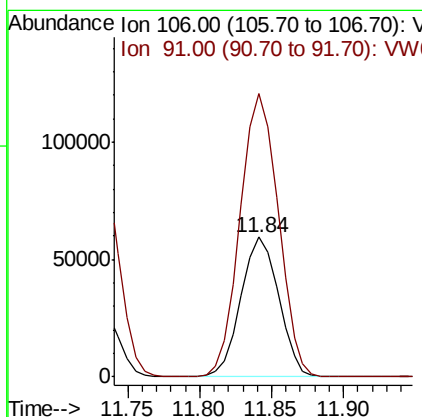
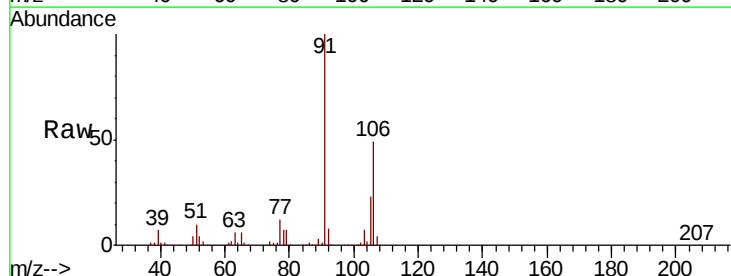
Instrument :
MSVOA_W
ClientSampled :

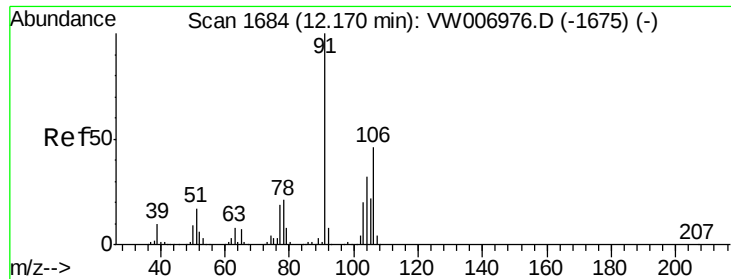
Tot Ion: 91 Resp: 137624
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2



#68
m/p-Xylenes
Concen: 44.853 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 106 Resp: 108862
Ion Ratio Lower Upper
106 100
91 205.0 164.8 247.2

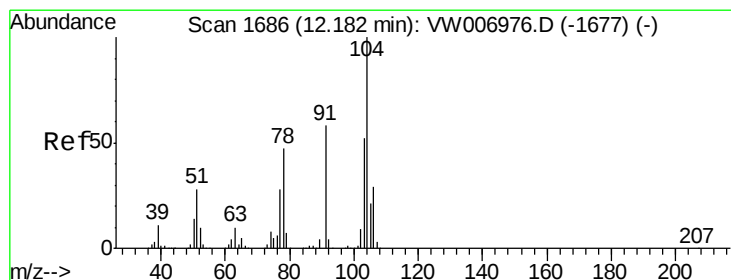
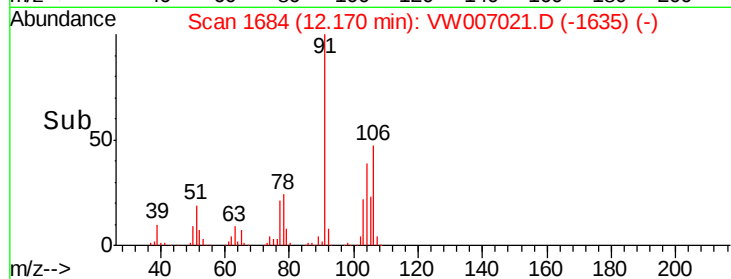
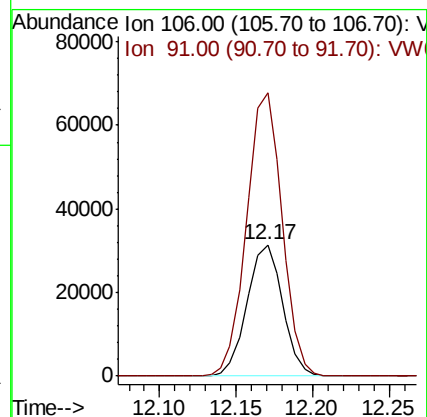
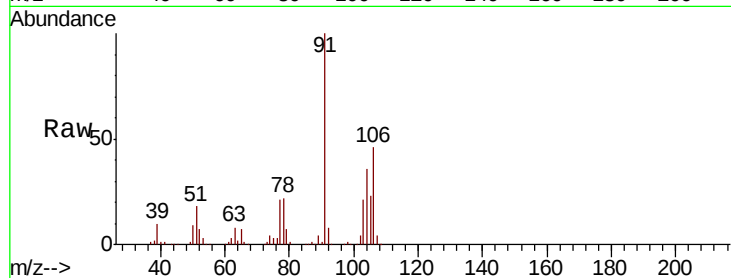




#69
o-Xylene
Concen: 22.178 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

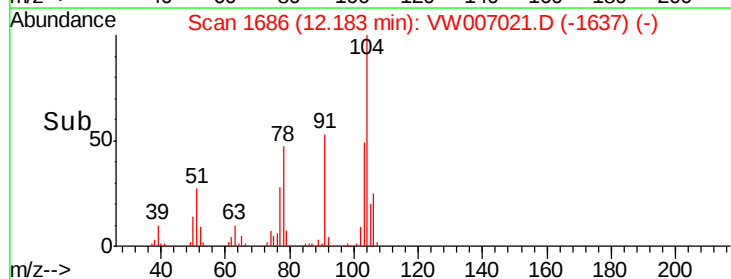
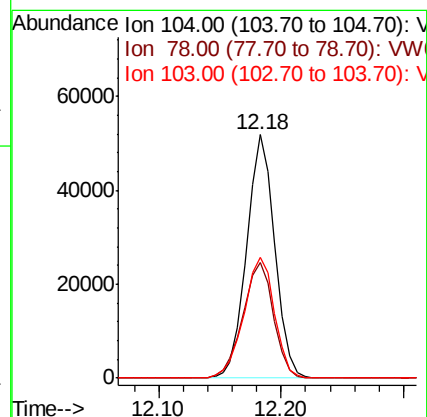
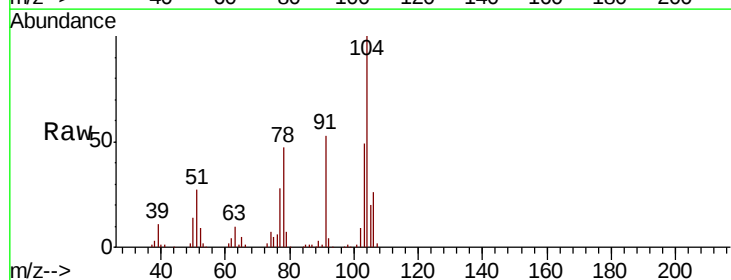
Instrument :
MSVOA_W
ClientSampleId :

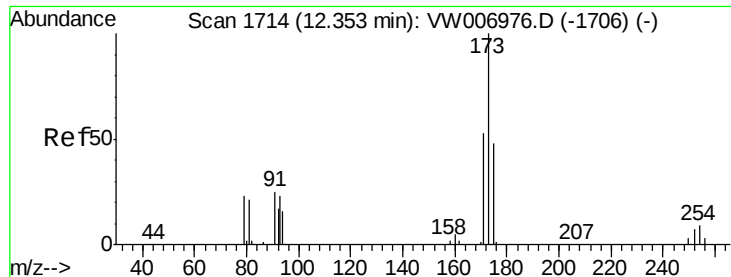
Tot Ion:106 Resp: 50755
Ion Ratio Lower Upper
106 100
91 215.3 107.9 323.8



#70
Styrene
Concen: 22.651 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:104 Resp: 82505
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 54.3 44.4 66.6





#71

Bromoform

Concen: 24.493 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

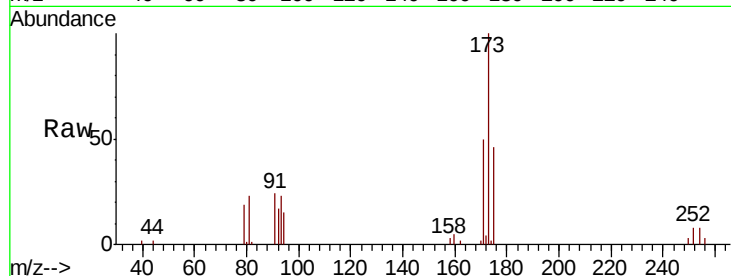
Tot Ion:173 Resp: 11754

Ion Ratio Lower Upper

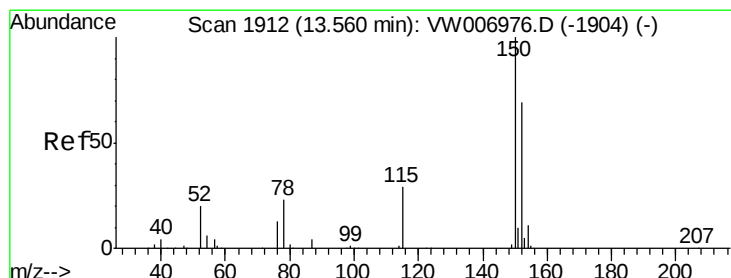
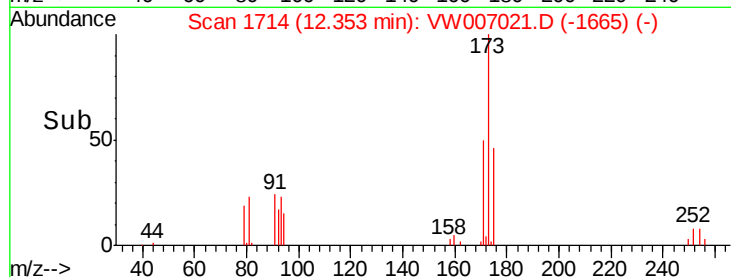
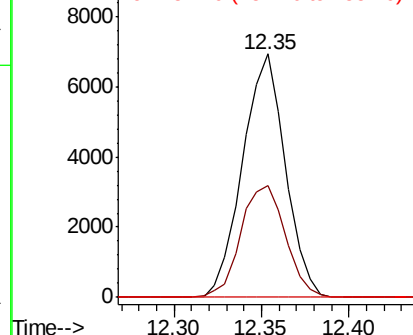
173 100

175 48.3 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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

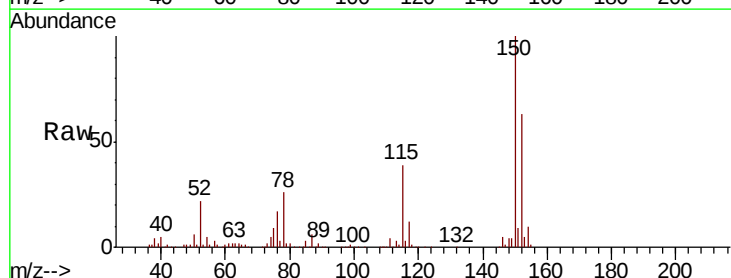
Tgt Ion:152 Resp: 78786

Ion Ratio Lower Upper

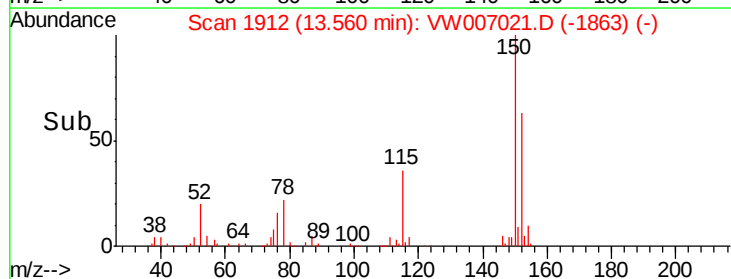
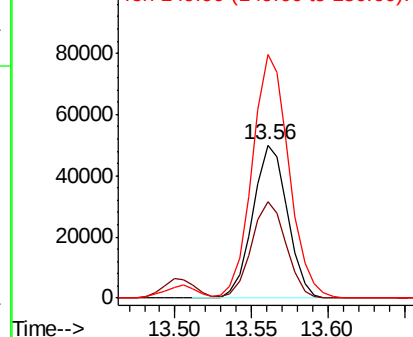
152 100

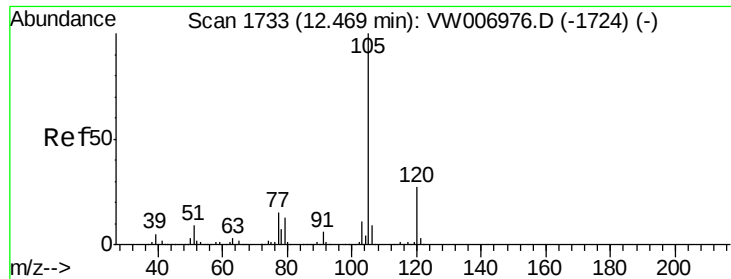
115 62.7 31.4 94.2

150 168.3 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: 22.834 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

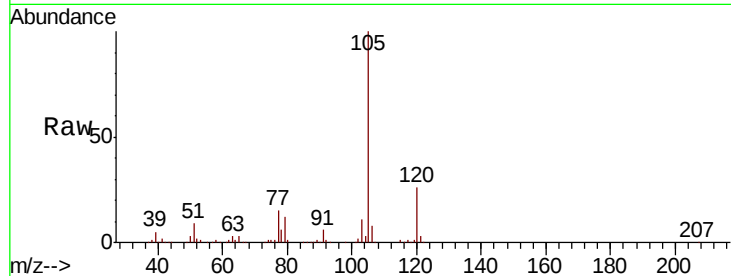
ClientSampleId :

Tot Ion:105 Resp: 139817

Ion Ratio Lower Upper

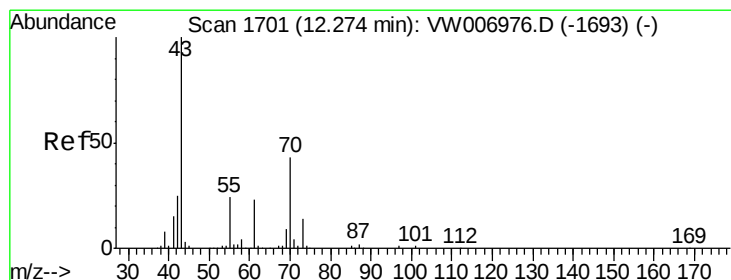
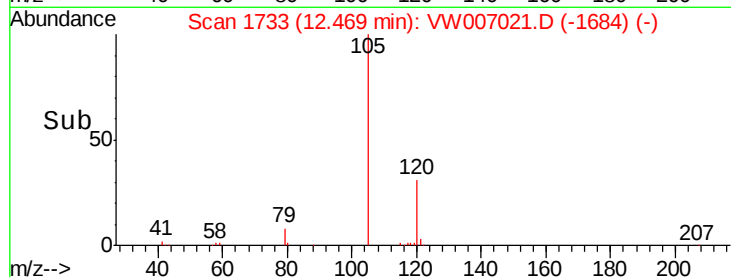
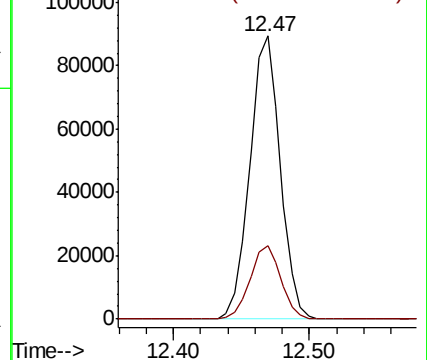
105 100

120 26.2 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: 23.645 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion: 43 Resp: 24265

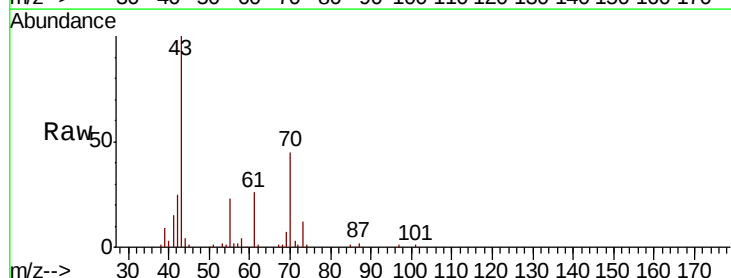
Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 24.9 19.4 29.0

61 24.0 19.4 29.2

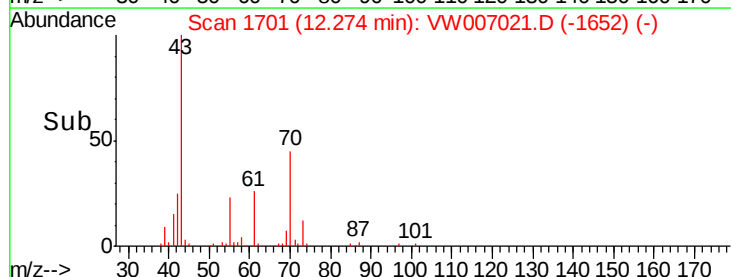
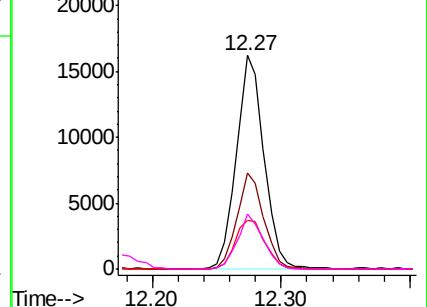


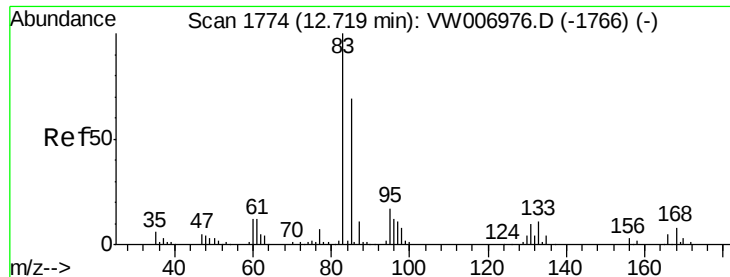
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 24.965 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

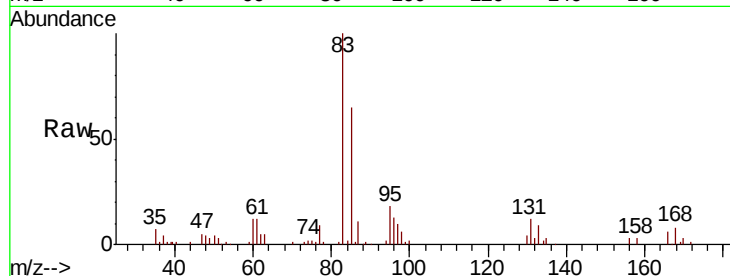
Tot Ion: 83 Resp: 20344

Ion Ratio Lower Upper

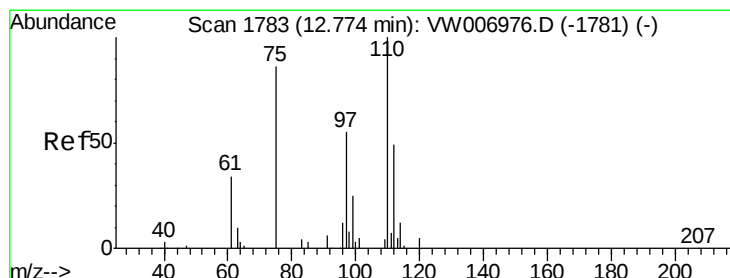
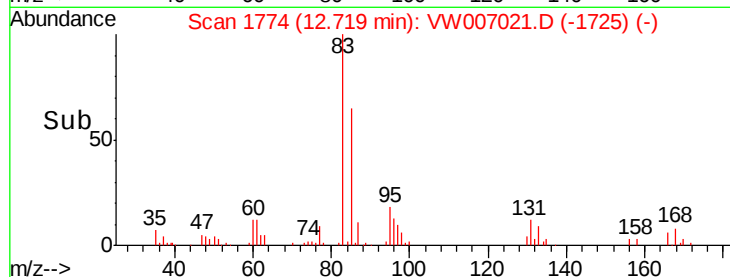
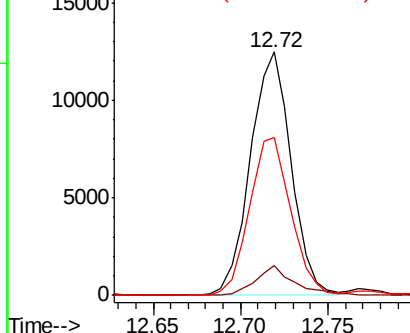
83 100

131 11.4 5.7 17.1

85 65.6 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 43.808 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007021.D

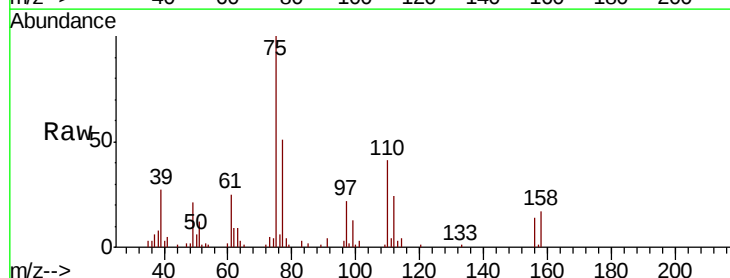
Acq: 22 Nov 2018 02:27

Tgt Ion: 75 Resp: 27121

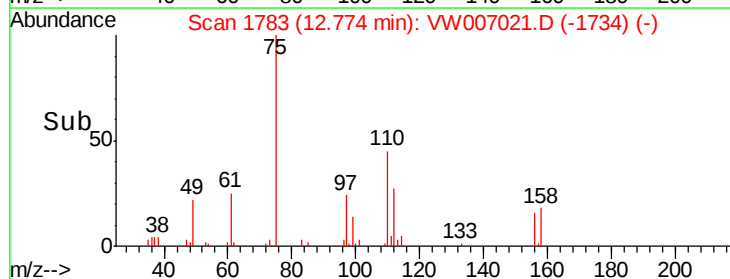
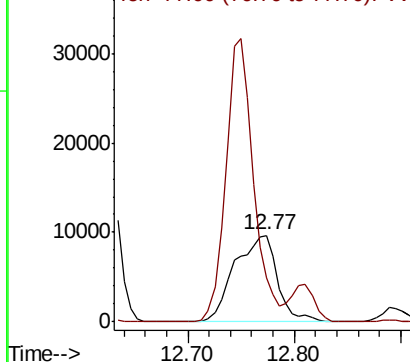
Ion Ratio Lower Upper

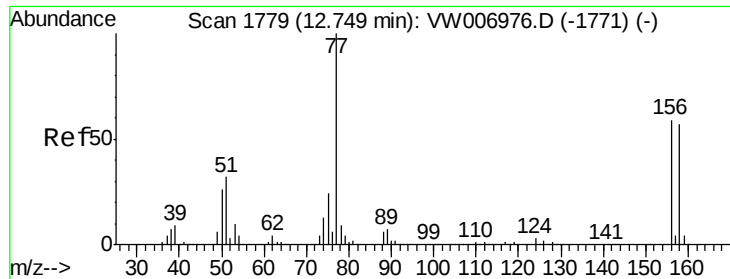
75 100

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: 23.266 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

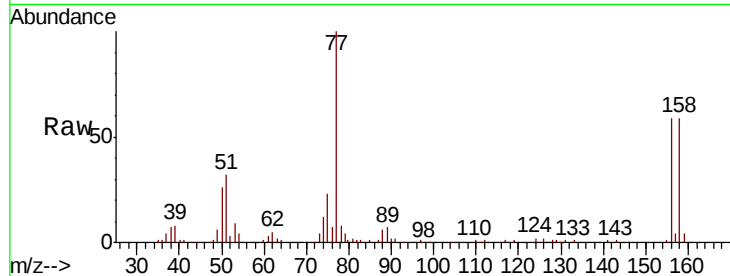
Tot Ion:156 Resp: 30598

Ion Ratio Lower Upper

156 100

77 187.5 94.6 283.8

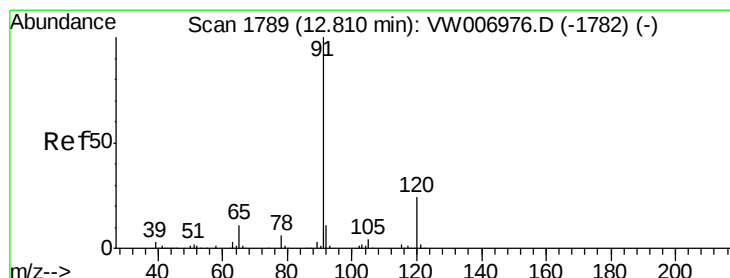
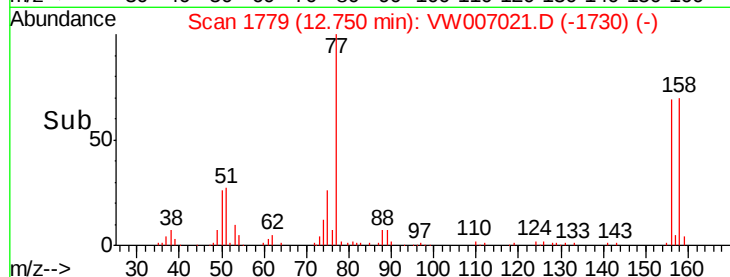
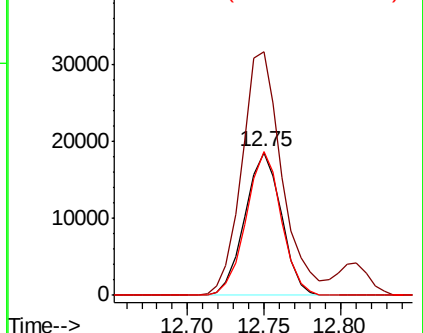
158 97.6 48.9 146.7



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: 22.439 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007021.D

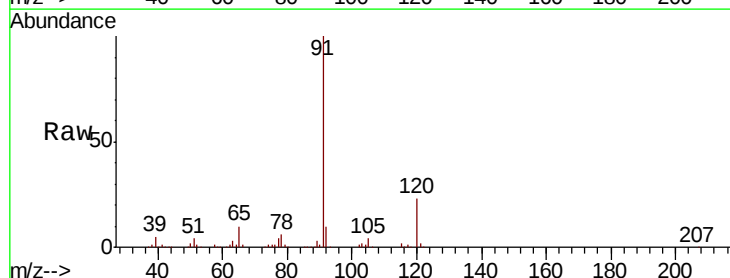
Acq: 22 Nov 2018 02:27

Tgt Ion: 91 Resp: 166430

Ion Ratio Lower Upper

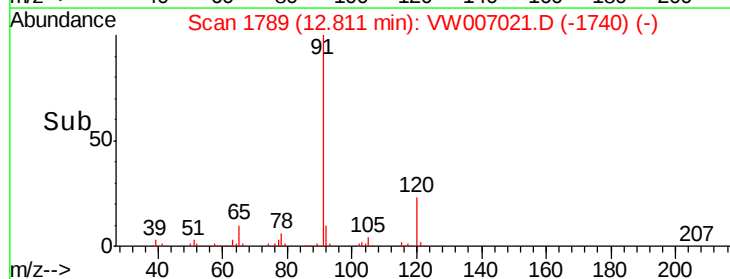
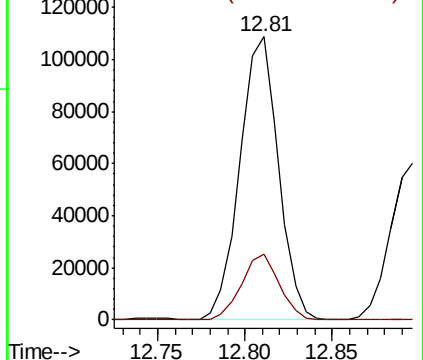
91 100

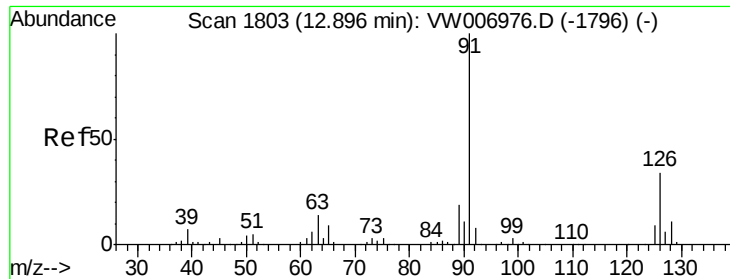
120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

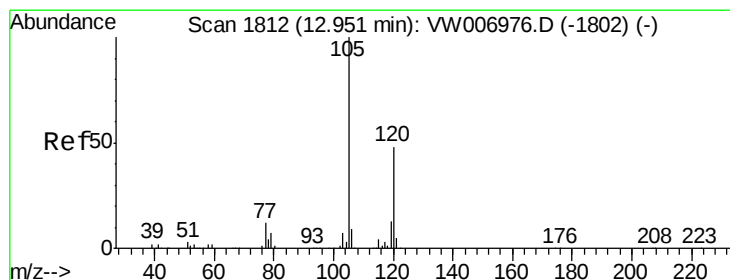
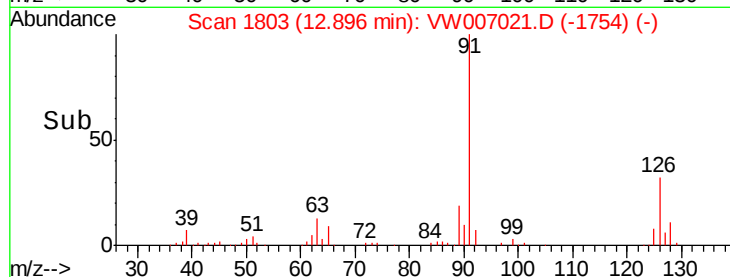
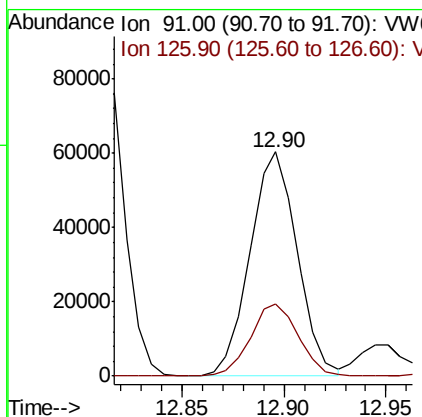
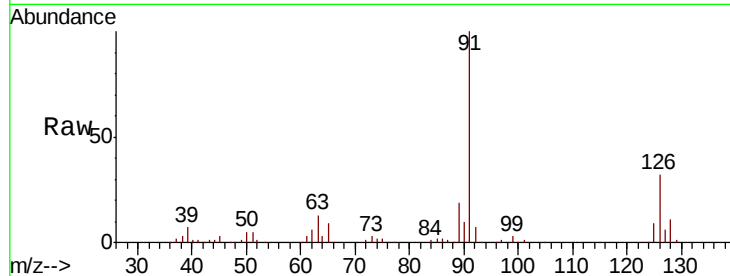




#79
 2-Chlorotoluene
 Concen: 22.742 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

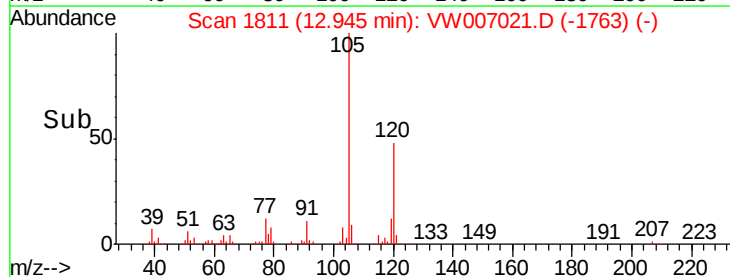
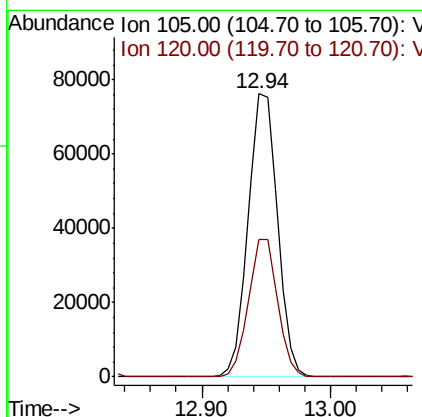
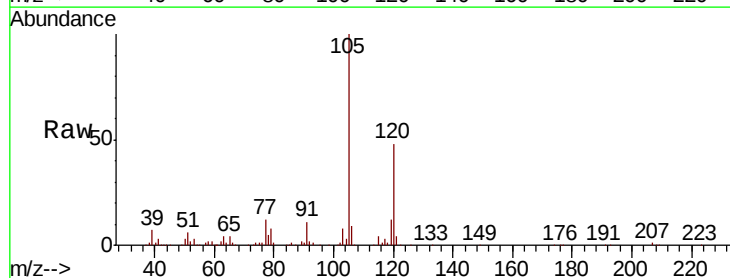
Instrument :
 MSVOA_W
 ClientSampled :

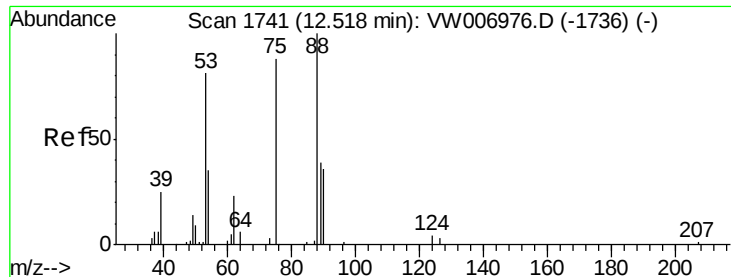
Tot Ion: 91 Resp: 97258
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.516 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion:105 Resp: 119222
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.8 71.2

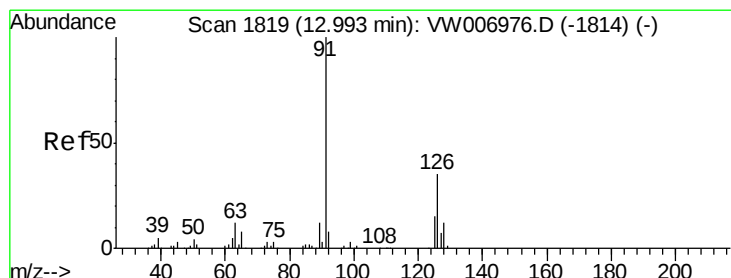
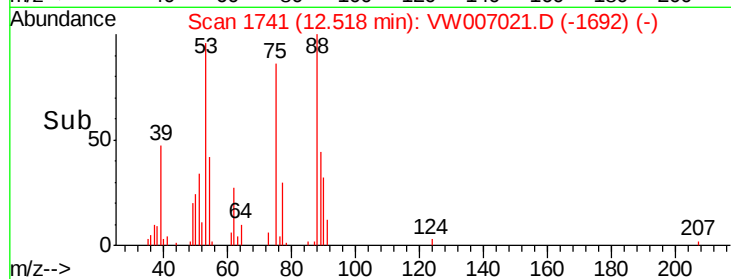
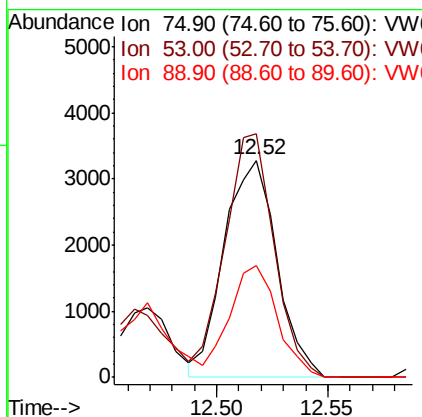
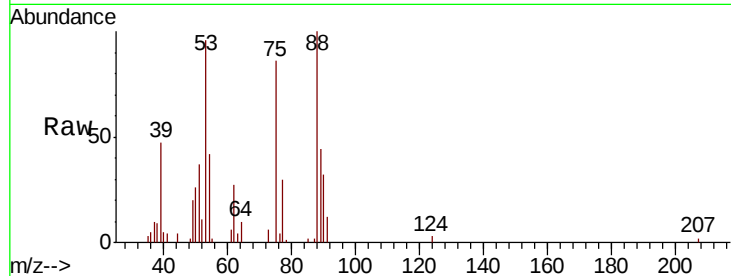




#81
trans-1,4-Dichloro-2-butene
Concen: 21.919 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

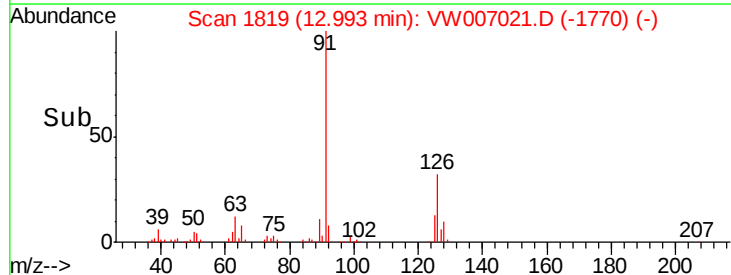
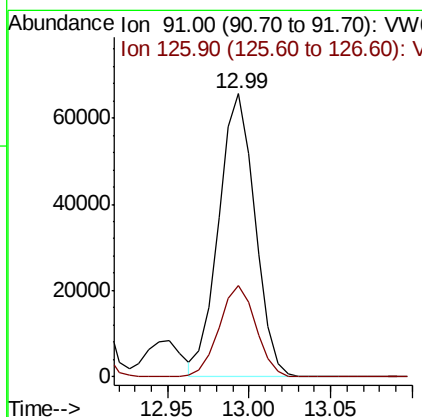
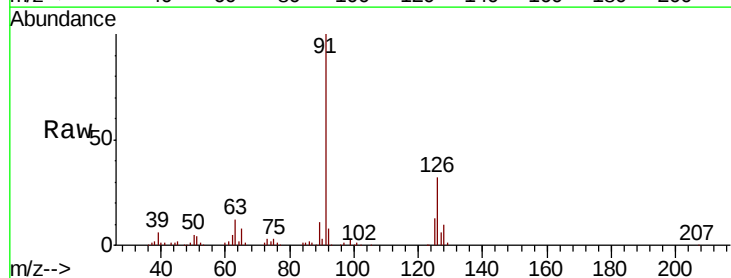
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 5405
Ion Ratio Lower Upper
75 100
53 104.7 77.6 116.4
89 46.7 39.3 58.9



#82
4-Chlorotoluene
Concen: 22.656 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 91 Resp: 101678
Ion Ratio Lower Upper
91 100
126 32.8 16.6 49.7

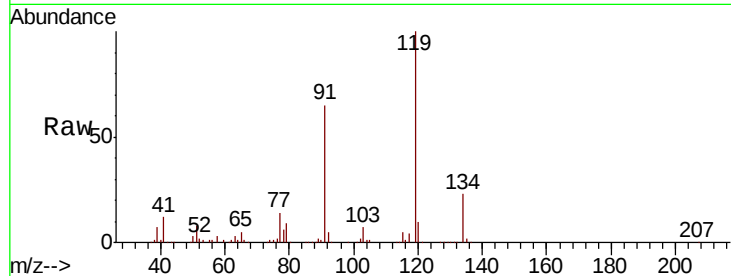




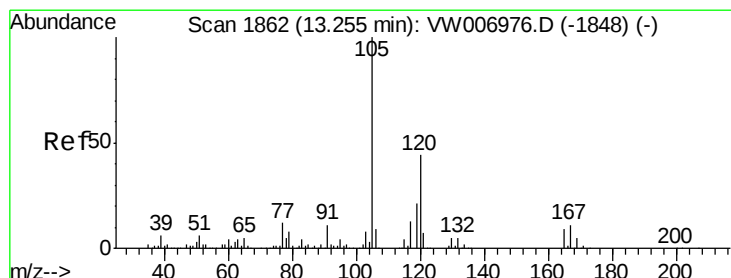
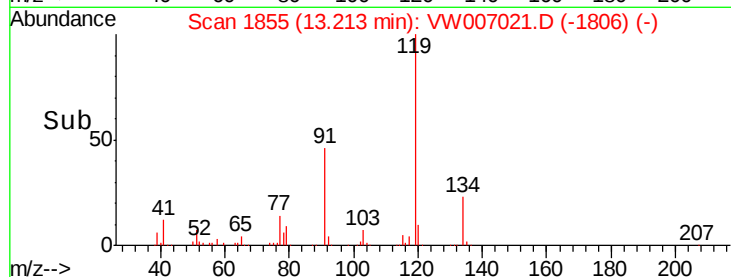
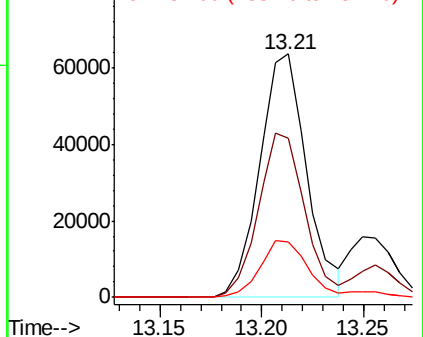
#83
tert-Butylbenzene
Concen: 22.245 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 101979
Ion Ratio Lower Upper
119 100
91 66.3 33.5 100.5
134 25.2 12.6 37.8

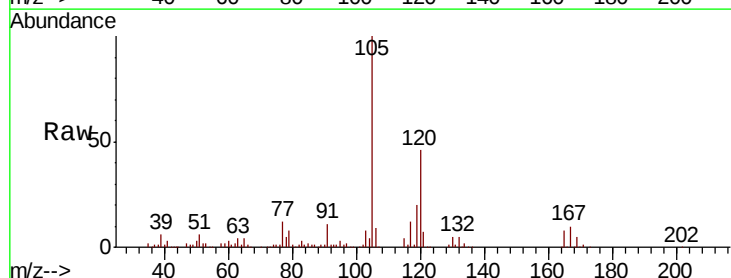


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

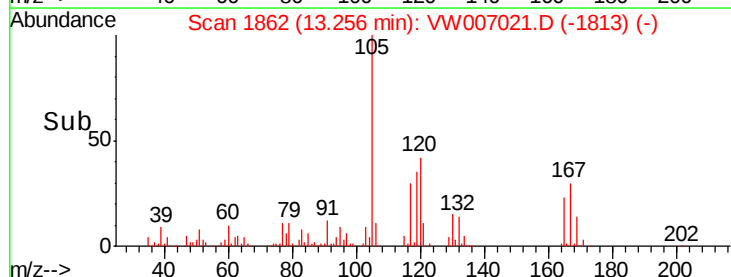
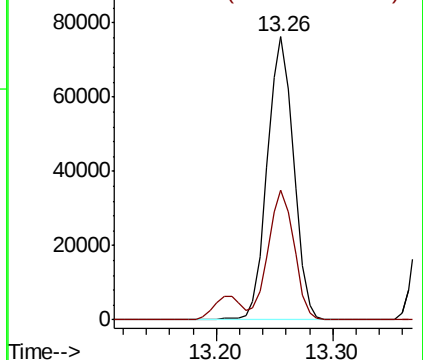


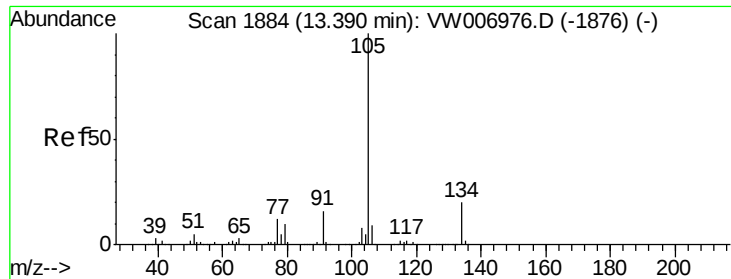
#84
1,2,4-Trimethylbenzene
Concen: 22.525 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:105 Resp: 118829
Ion Ratio Lower Upper
105 100
120 45.4 21.8 65.3



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





#85

sec-Butylbenzene

Concen: 22.089 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

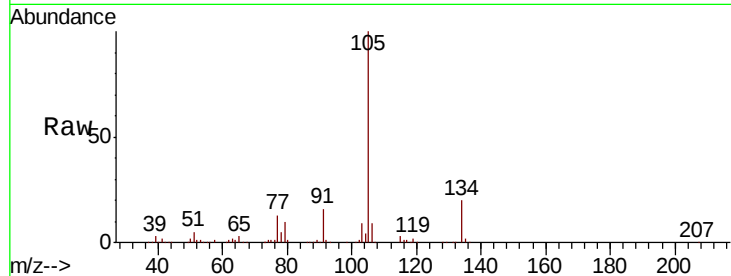
ClientSampled :

Tot Ion:105 Resp: 143060

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

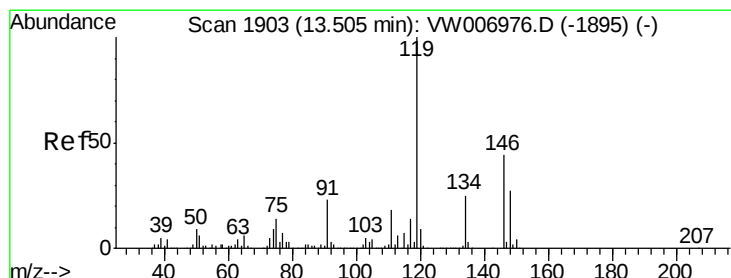
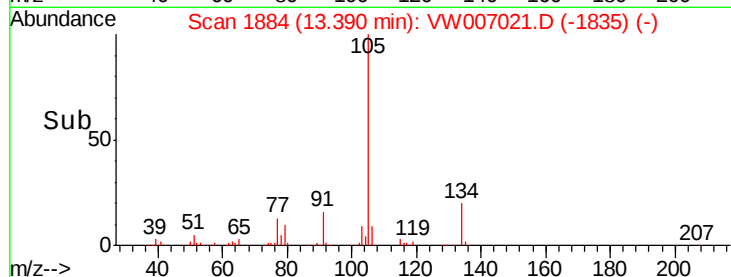
60000

40000

20000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 22.172 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

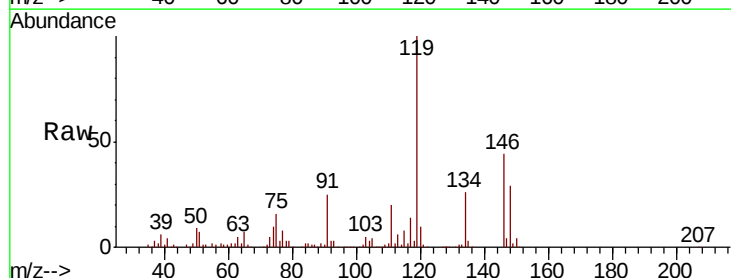
Tgt Ion:119 Resp: 126680

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 24.6 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

100000

80000

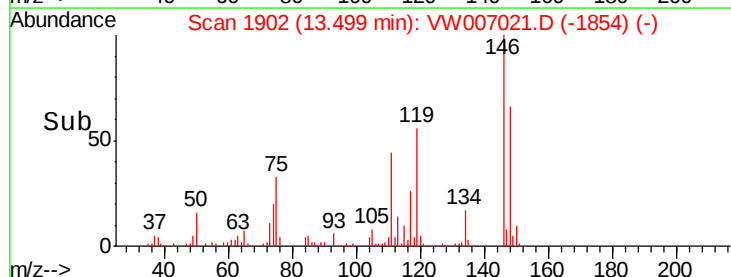
60000

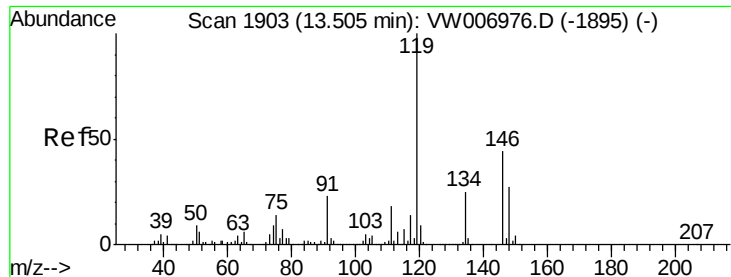
40000

20000

0

Time--> 13.45 13.50 13.55

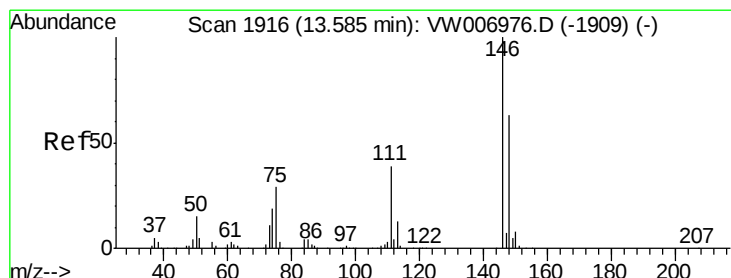
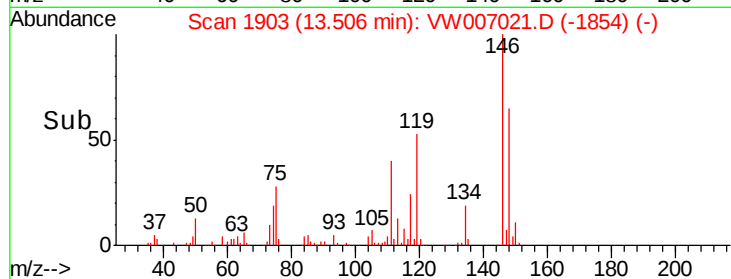
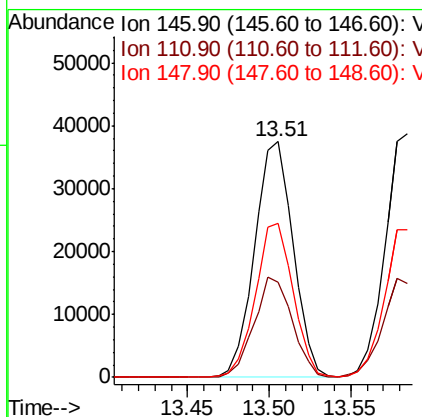
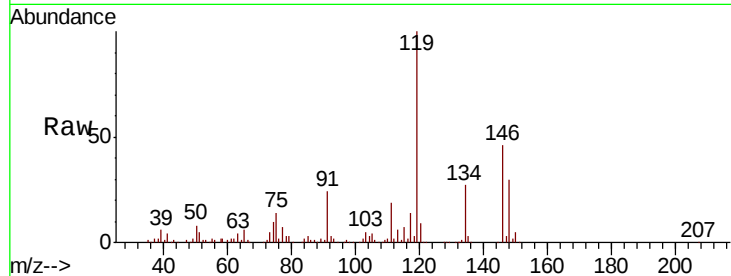




#87
 1,3-Dichlorobenzene
 Concen: 22.904 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

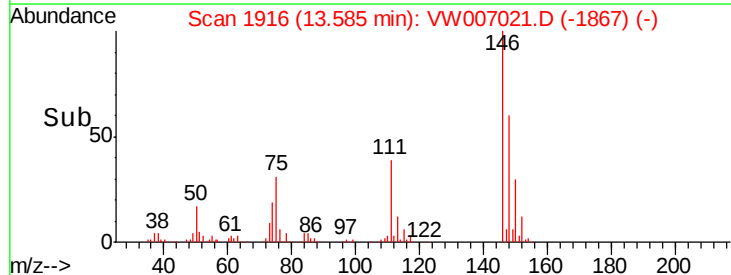
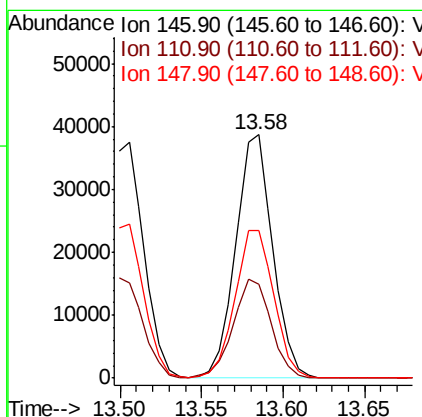
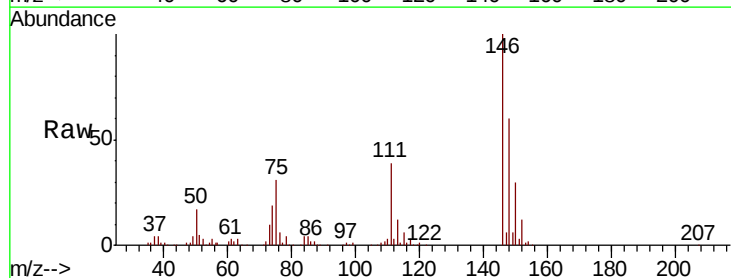
Instrument :
 MSVOA_W
 ClientSampled :

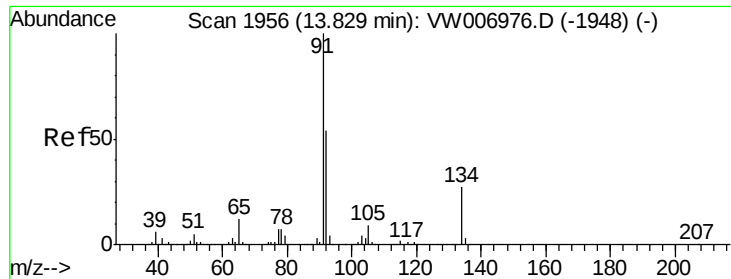
Tot Ion:146 Resp: 61495
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.3
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 22.797 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion:146 Resp: 61026
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.8
 148 63.9 32.3 96.8





#89

n-Butylbenzene

Concen: 21.705 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampled :

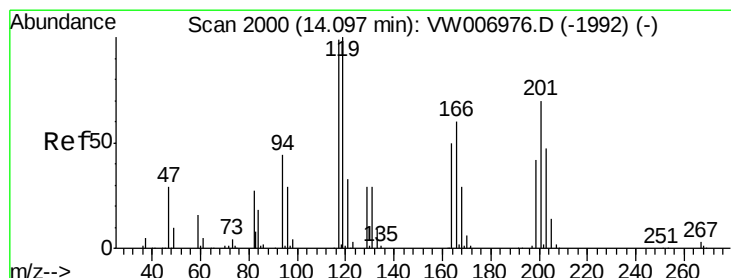
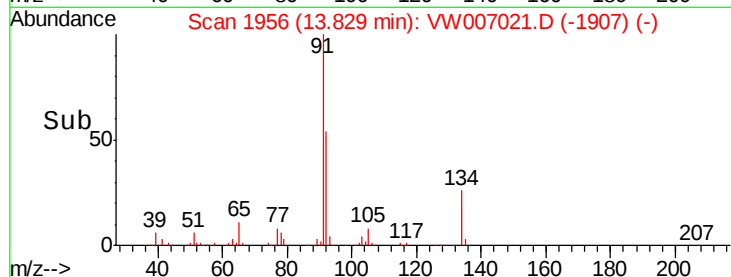
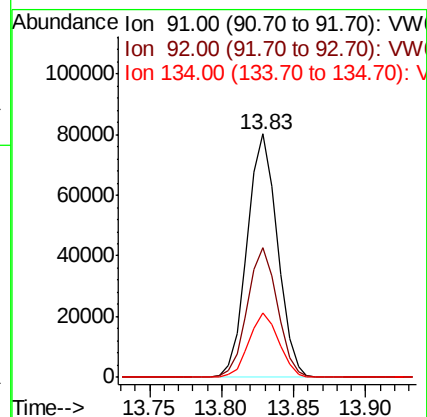
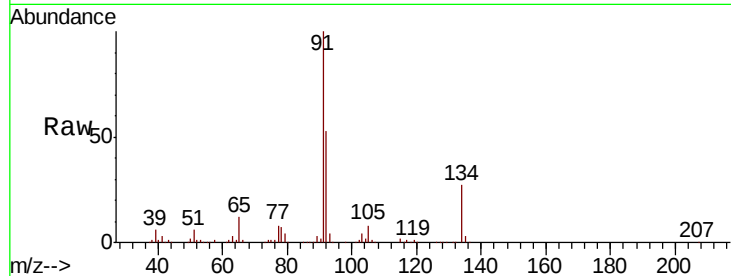
Tot Ion: 91 Resp: 116701

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.4

134 26.2 13.3 39.8



#90

Hexachloroethane

Concen: 23.147 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007021.D

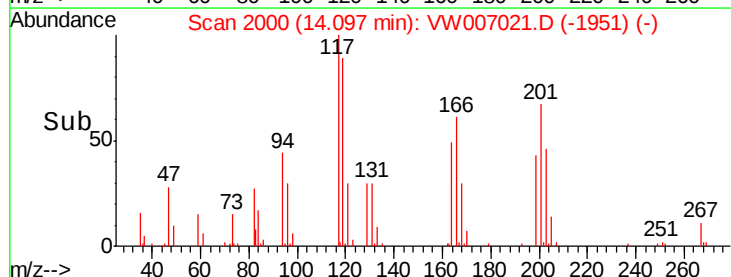
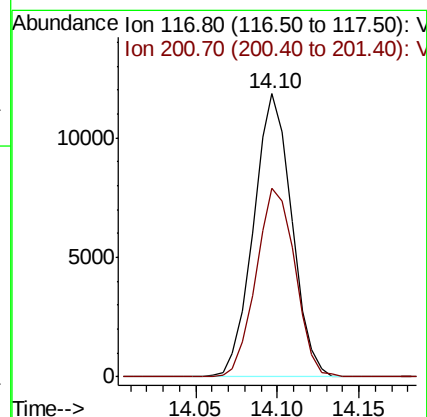
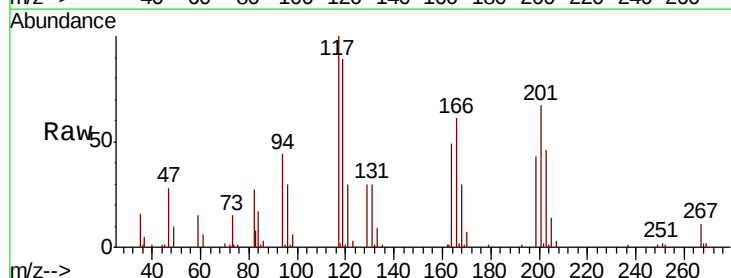
Acq: 22 Nov 2018 02:27

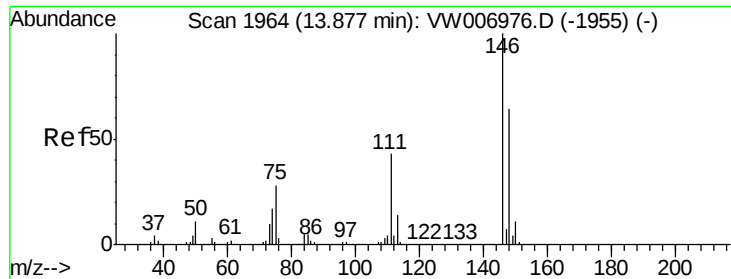
Tgt Ion: 117 Resp: 19308

Ion Ratio Lower Upper

117 100

201 68.2 35.9 107.5

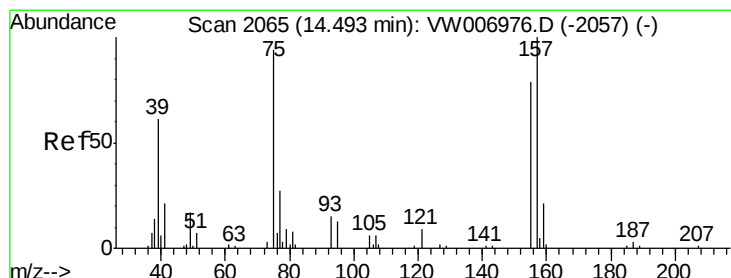
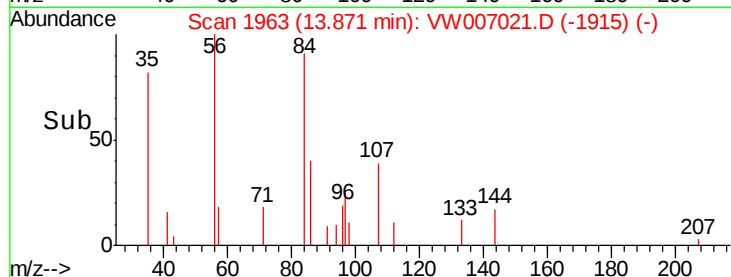
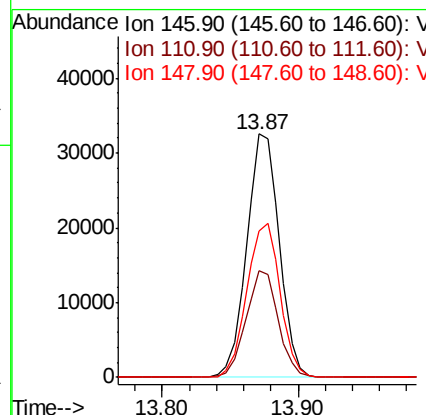
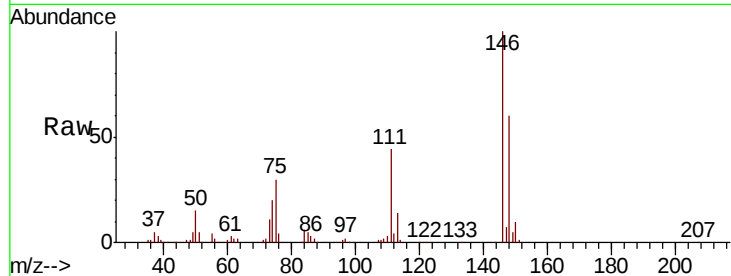




#91
 1,2-Dichlorobenzene
 Concen: 23.184 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

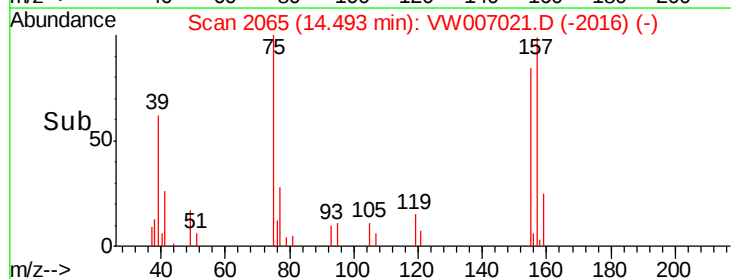
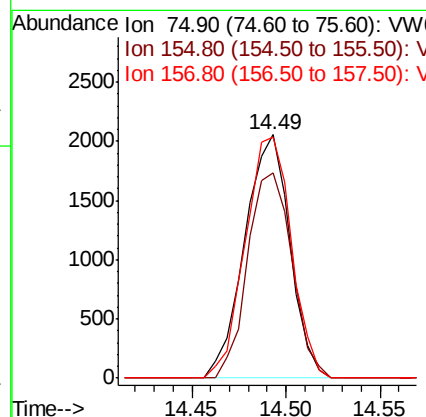
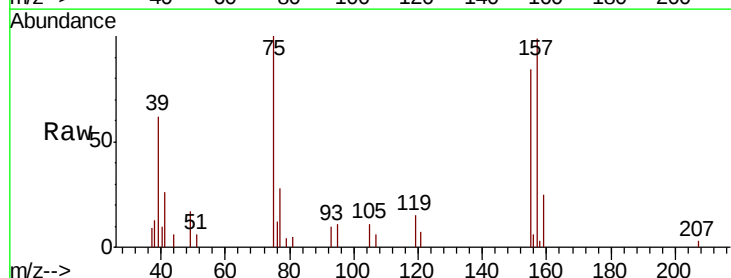
Instrument :
 MSVOA_W
 ClientSampleId :

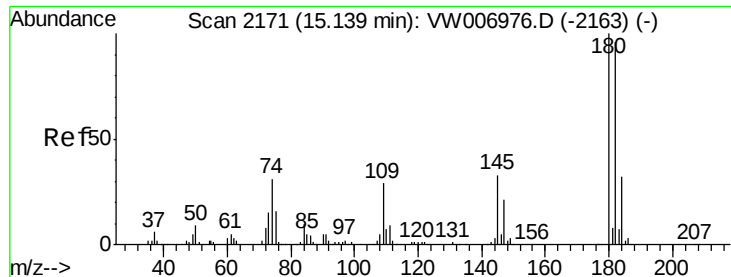
Tot Ion:146 Resp: 54543
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.9 65.7
 148 64.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.792 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion: 75 Resp: 3412
 Ion Ratio Lower Upper
 75 100
 155 82.9 42.6 127.8
 157 100.9 55.0 165.0

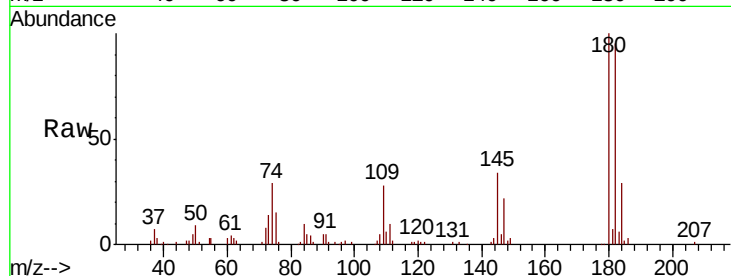




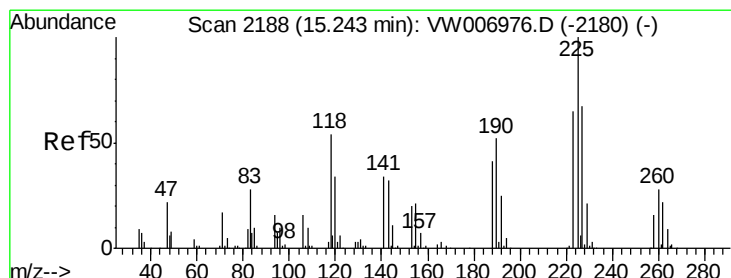
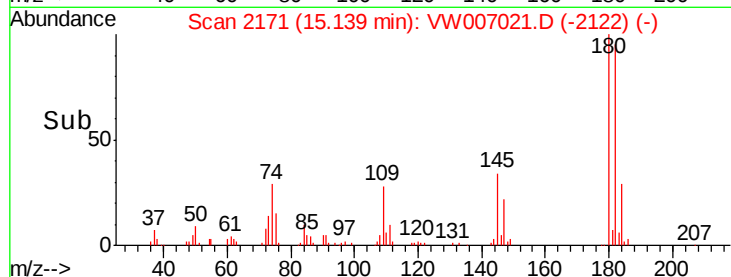
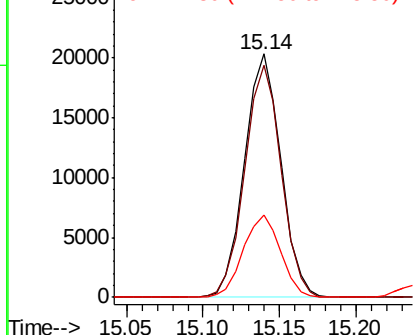
#93
 1,2,4-Trichlorobenzene
 Concen: 21.689 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 33646
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.1 141.3
 145 34.5 16.5 49.5

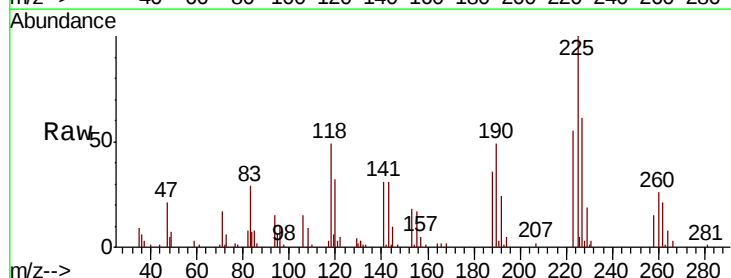


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

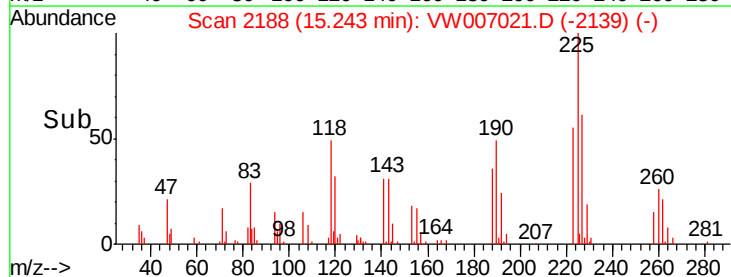
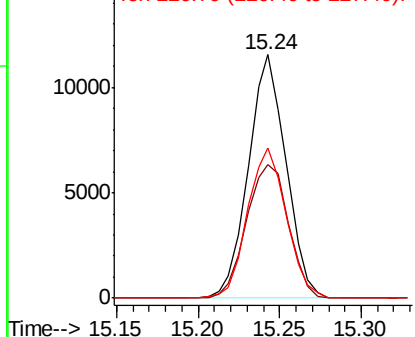


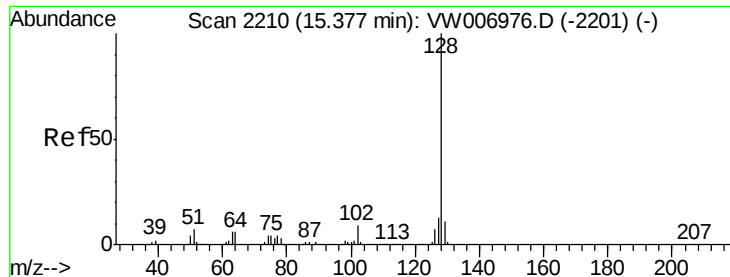
#94
 Hexachlorobutadiene
 Concen: 21.999 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion:225 Resp: 18553
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.4 97.0
 227 63.4 31.9 95.5



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

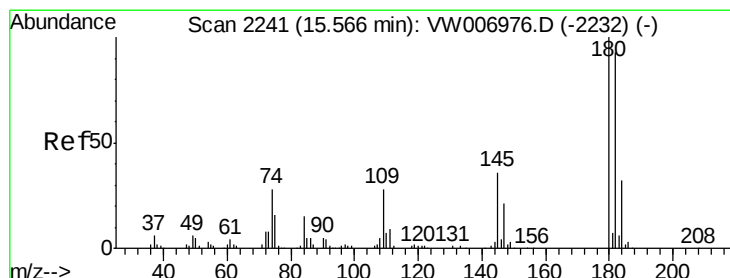
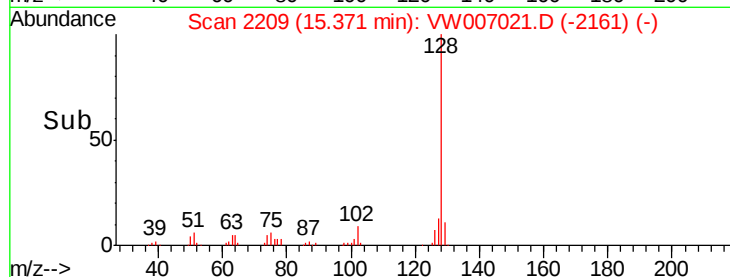
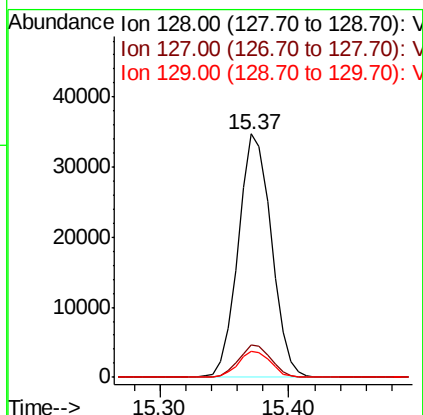
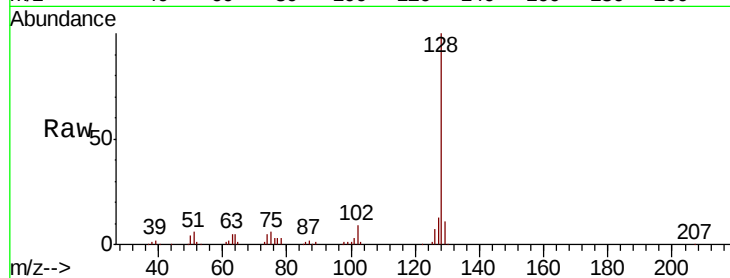




#95
Naphthalene
Concen: 21.945 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 61798
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.005 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:180 Resp: 28321
Ion Ratio Lower Upper
180 100
182 94.6 47.0 141.2
145 35.9 18.0 54.0

