

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007018.D
 Acq On : 22 Nov 2018 00:45
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:40:49 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	107319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	169082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	56192	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.89	113	49854	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.33	98	222801	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	87756	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47934	45.238	ug/l	96
3) Chloromethane	2.21	50	42808	48.478	ug/l	97
4) Vinyl Chloride	2.35	62	41317	47.556	ug/l	96
5) Bromomethane	2.77	94	22588	48.710	ug/l	89
6) Chloroethane	2.92	64	23744	49.577	ug/l	97
7) Trichlorofluoromethane	3.26	101	79508	46.539	ug/l	96
8) Diethyl Ether	3.69	74	28256	51.329	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48684	43.956	ug/l	100
10) Methyl Iodide	4.28	142	66514	52.461	ug/l	99
11) Tert butyl alcohol	5.21	59	19789	289.322	ug/l	100
12) 1,1-Dichloroethene	4.04	96	45057	46.384	ug/l	94
13) Acrolein	3.90	56	19123	272.244	ug/l	97
14) Allyl chloride	4.67	41	76990	47.785	ug/l	98
15) Acrylonitrile	5.37	53	59389	287.044	ug/l	98
16) Acetone	4.14	43	42505	278.637	ug/l	99
17) Carbon Disulfide	4.38	76	155450	49.498	ug/l	98
18) Methyl Acetate	4.68	43	29239	53.823	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	137628	54.262	ug/l	100
20) Methylene Chloride	4.92	84	60906	50.112	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	52997	46.835	ug/l	94
22) Diisopropyl ether	6.31	45	157477	50.217	ug/l	95
23) Vinyl Acetate	6.26	43	451669	271.221	ug/l	100
24) 1,1-Dichloroethane	6.22	63	92223	48.341	ug/l	100
25) 2-Butanone	7.18	43	72631	277.992	ug/l	98
26) 2,2-Dichloropropane	7.17	77	75847	44.211	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59590	49.452	ug/l	97
28) Bromochloromethane	7.52	49	36881	51.725	ug/l #	99
29) Tetrahydrofuran	7.54	42	47180	278.823	ug/l	99
30) Chloroform	7.68	83	96467	47.597	ug/l	99
31) Cyclohexane	7.96	56	87668	43.325	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	87539	47.952	ug/l	100
36) 1,1-Dichloropropene	8.09	75	78295	47.386	ug/l	99
37) Ethyl Acetate	7.26	43	32037	53.507	ug/l	96
38) Carbon Tetrachloride	8.07	117	74861	47.314	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96524	46.682	ug/l	99
40) Benzene	8.32	78	221888	49.750	ug/l	99
41) Methacrylonitrile	7.49	41	20179	54.269	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64895	50.116	ug/l	99
43) Isopropyl Acetate	8.43	43	64586	56.605	ug/l	97
44) Trichloroethene	9.09	130	62229	49.772	ug/l	100
45) 1,2-Dichloropropane	9.37	63	55022	50.045	ug/l	95
46) Dibromomethane	9.46	93	28613	51.969	ug/l	99
47) Bromodichloromethane	9.65	83	73582	50.724	ug/l	99
48) Methyl methacrylate	9.44	41	31180	56.674	ug/l	97
49) 1,4-Dioxane	9.47	88	9532	1164.803	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	164848	285.890	ug/l	100
52) Toluene	10.39	92	154301	50.836	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	73270	52.141	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	87079	51.292	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42175	52.065	ug/l	96
56) Ethyl methacrylate	10.65	69	55337	58.851	ug/l	98
57) 1,3-Dichloropropane	10.93	76	71758	52.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120041	244.308	ug/l	100
59) 2-Hexanone	10.97	43	115340	292.104	ug/l	100
60) Dibromochloromethane	11.13	129	50056	54.230	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40246	54.311	ug/l	98
64) Tetrachloroethene	10.87	164	53425	50.453	ug/l	97
65) Chlorobenzene	11.66	112	171942	50.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51417	49.475	ug/l	98
67) Ethyl Benzene	11.73	91	308354	48.859	ug/l	99
68) m/p-Xylenes	11.84	106	244431	98.718	ug/l	100
69) o-Xylene	12.17	106	116291	49.809	ug/l	100
70) Styrene	12.18	104	191244	51.466	ug/l	99
71) Bromoform	12.35	173	26503	54.135	ug/l #	99
73) Isopropylbenzene	12.47	105	312739	48.418	ug/l	99
74) N-amyl acetate	12.27	43	62177	57.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46117	53.649	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	62955	96.399	ug/l #	100
77) Bromobenzene	12.75	156	69390	50.018	ug/l	99
78) n-propylbenzene	12.81	91	371805	47.521	ug/l	100
79) 2-Chlorotoluene	12.90	91	217202	48.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	271092	48.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13504	51.914	ug/l	97
82) 4-Chlorotoluene	12.99	91	231128	48.822	ug/l	99
83) tert-Butylbenzene	13.21	119	231554	47.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274210	49.275	ug/l	100
85) sec-Butylbenzene	13.39	105	326199	47.747	ug/l	100
86) p-Isopropyltoluene	13.51	119	291121	48.302	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	139517	49.261	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	140604	49.792	ug/l	99
89) n-Butylbenzene	13.83	91	271778	47.917	ug/l	99
90) Hexachloroethane	14.10	117	42997	48.864	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	125436	50.545	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8553	58.913	ug/l	95

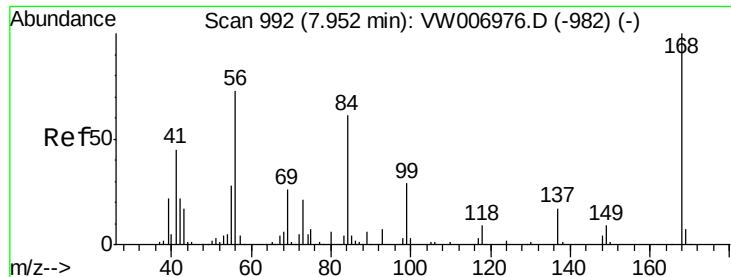
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	81308	49.686	ug/l	99
94) Hexachlorobutadiene	15.24	225	43115	48.464	ug/l	97
95) Naphthalene	15.38	128	159405	53.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	70395	51.851	ug/l	99

(#) = 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: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

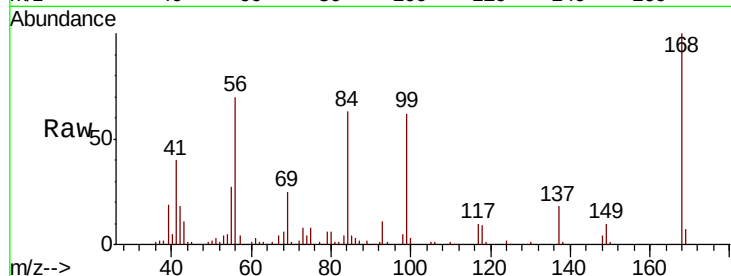
ClientSampled :

Tot Ion:168 Resp: 107319

Ion Ratio Lower Upper

168 100

99 61.8 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

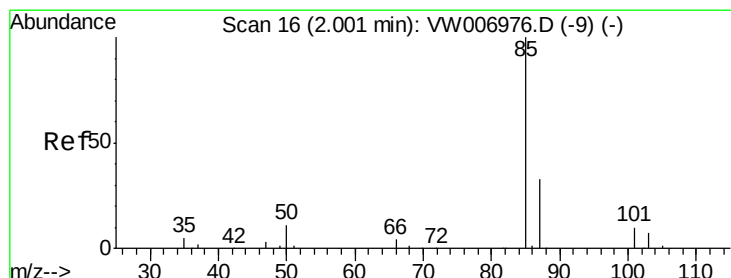
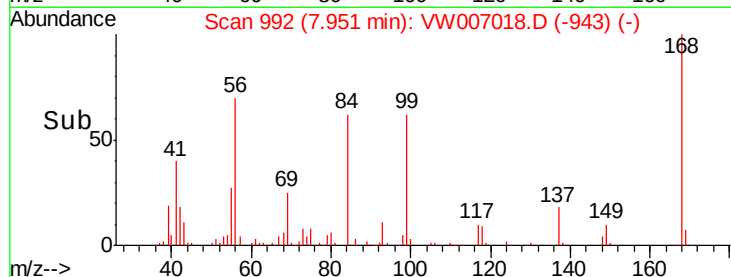
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 45.238 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007018.D

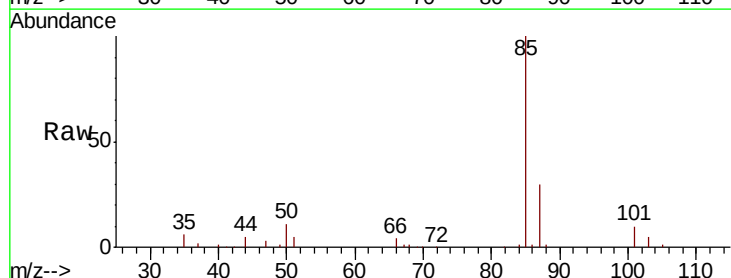
Acq: 22 Nov 2018 00:45

Tgt Ion: 85 Resp: 47934

Ion Ratio Lower Upper

85 100

87 30.4 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

30000

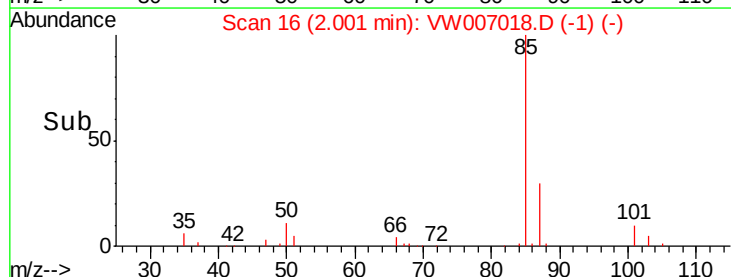
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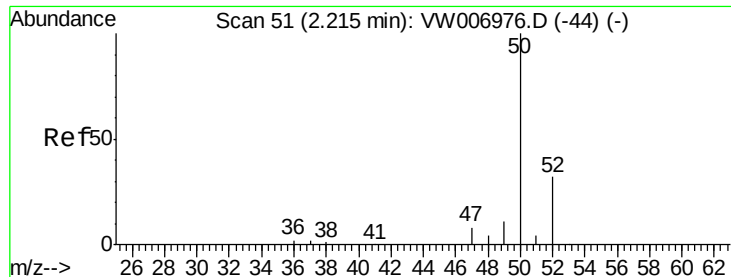
10000

0

Time-->

1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 48.478 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

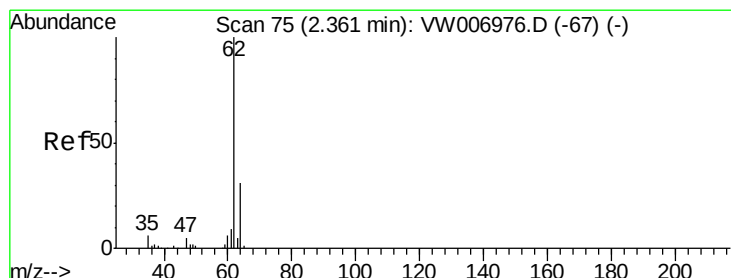
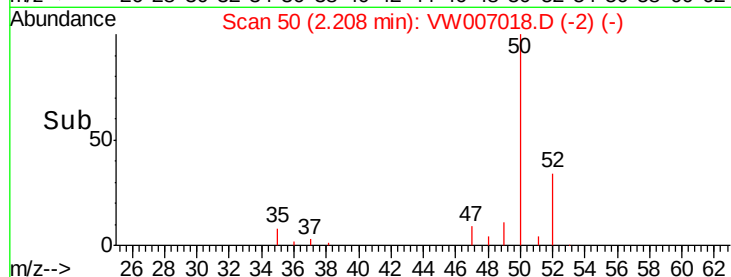
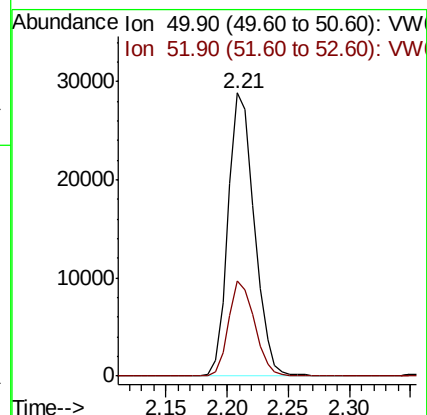
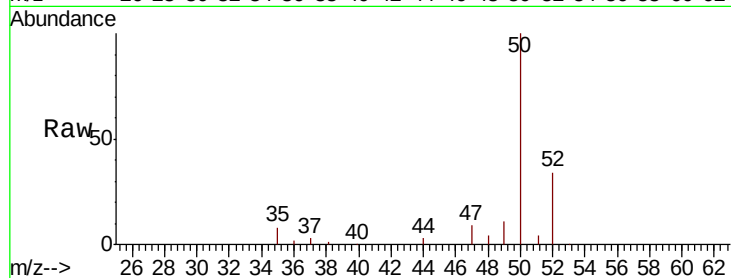
ClientSampleId :

Tot Ion: 50 Resp: 42808

Ion Ratio Lower Upper

50 100

52 33.8 25.7 38.5



#4

Vinyl Chloride

Concen: 47.556 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007018.D

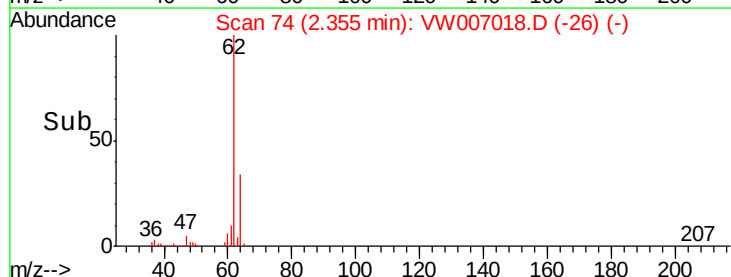
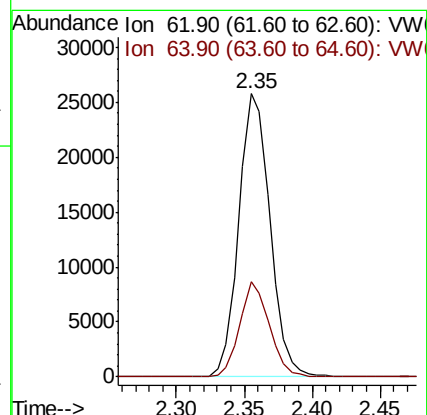
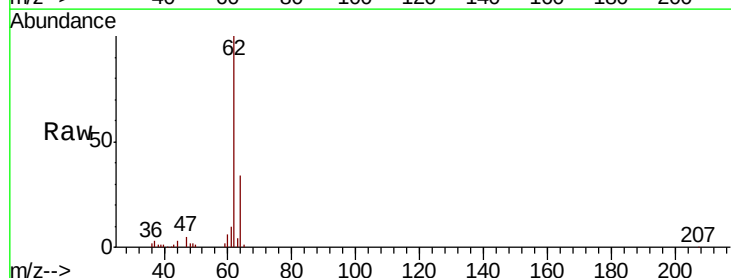
Acq: 22 Nov 2018 00:45

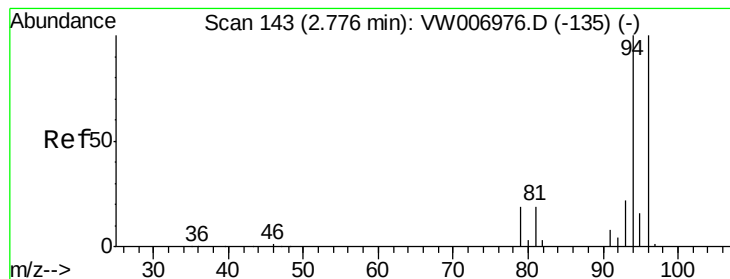
Tgt Ion: 62 Resp: 41317

Ion Ratio Lower Upper

62 100

64 33.6 25.2 37.8





#5

Bromomethane

Concen: 48.710 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

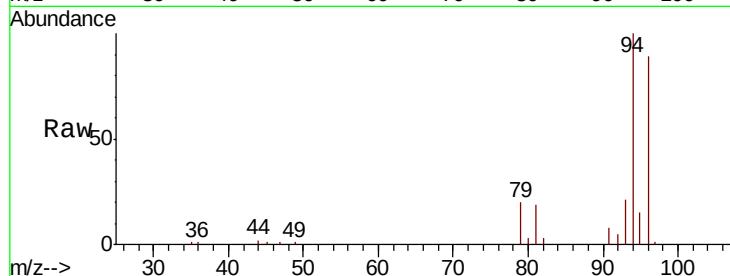
ClientSampled :

Tot Ion: 94 Resp: 22588

Ion Ratio Lower Upper

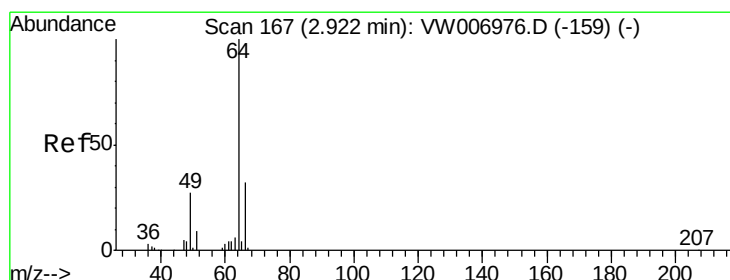
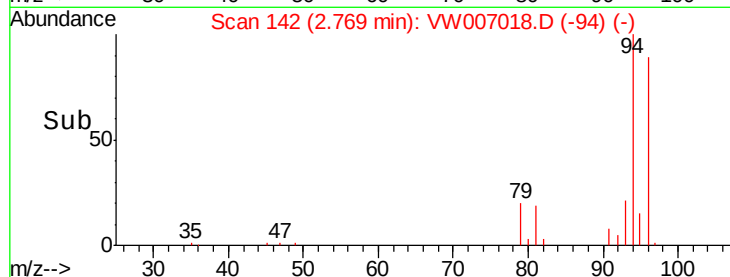
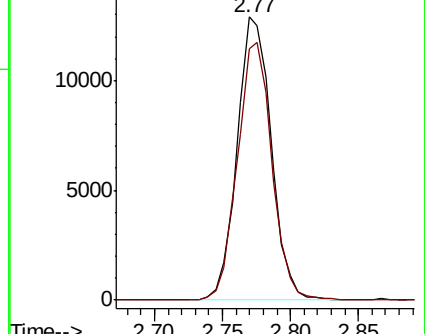
94 100

96 88.8 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: 49.577 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007018.D

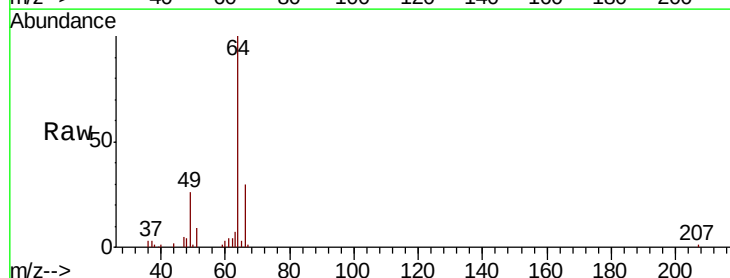
Acq: 22 Nov 2018 00:45

Tgt Ion: 64 Resp: 23744

Ion Ratio Lower Upper

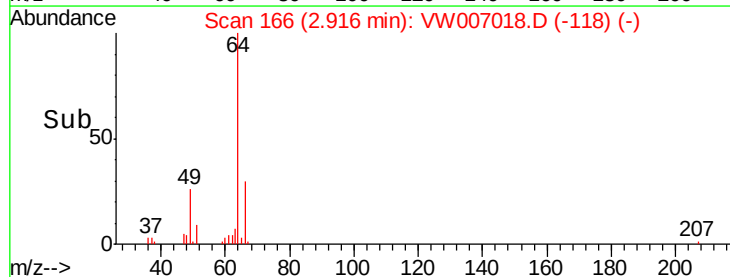
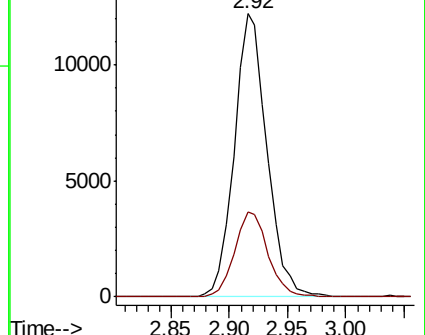
64 100

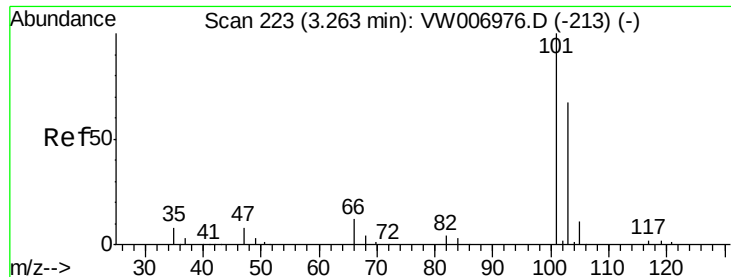
66 30.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



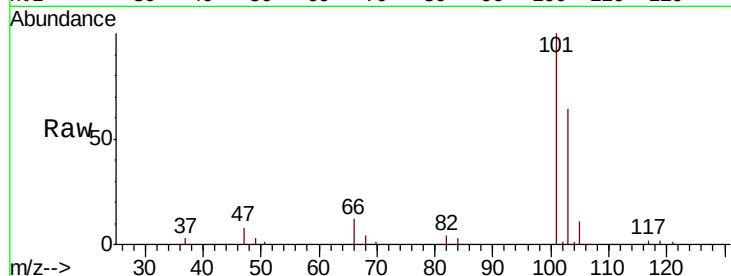


#7

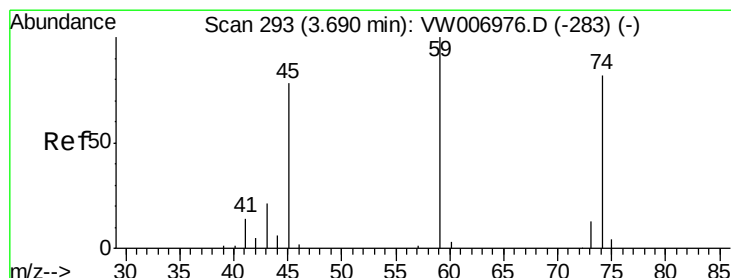
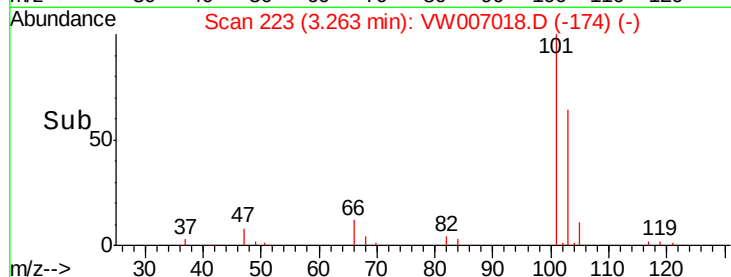
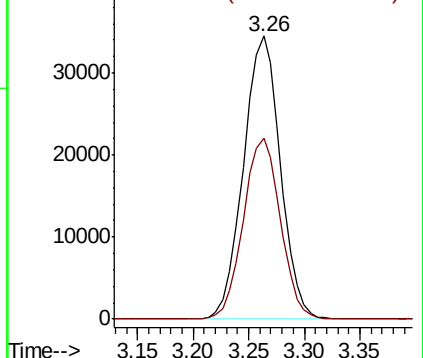
Trichlorofluoromethane
 Concen: 46.539 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 79508
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.4 80.2



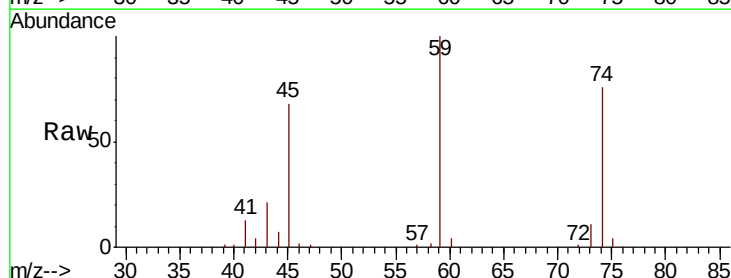
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



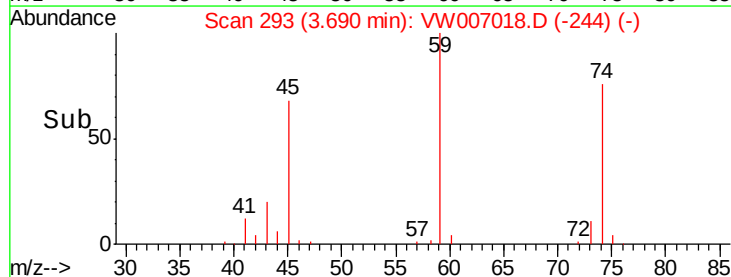
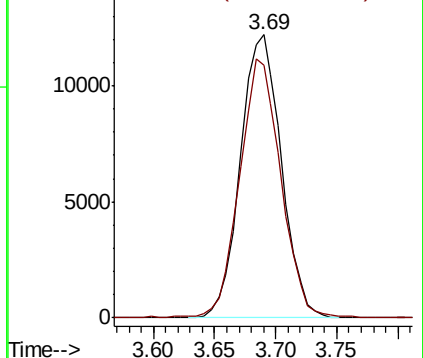
#8

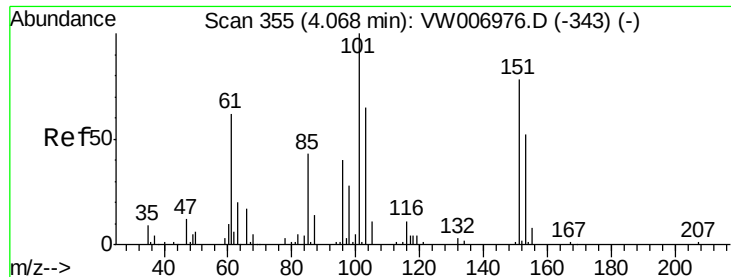
Diethyl Ether
 Concen: 51.329 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 74 Resp: 28256
 Ion Ratio Lower Upper
 74 100
 45 92.6 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: 43.956 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

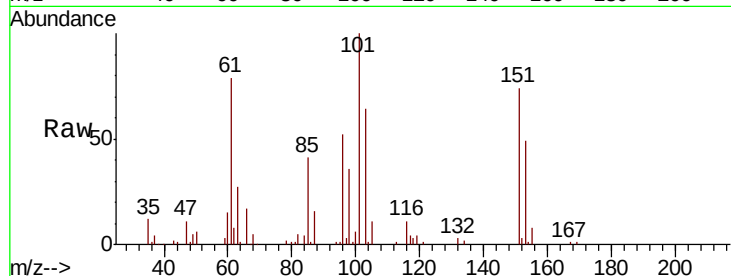
Tot Ion:101 Resp: 48684

Ion Ratio Lower Upper

101 100

85 43.0 34.3 51.5

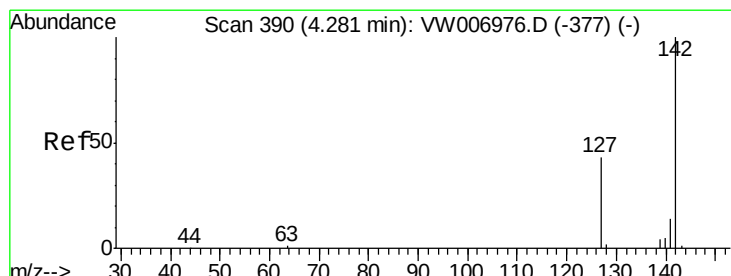
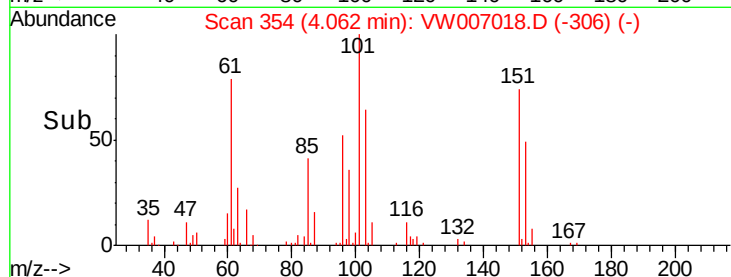
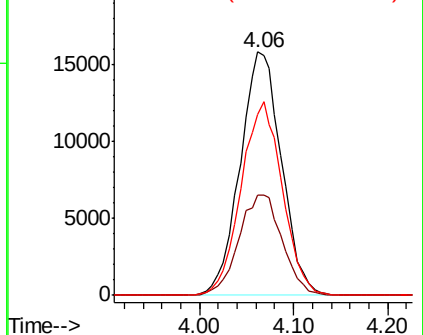
151 79.2 63.4 95.2



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: 52.461 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

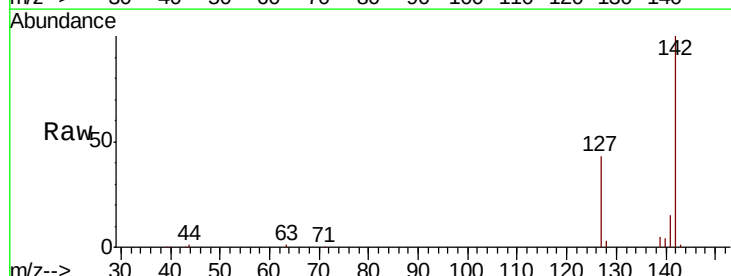
Tgt Ion:142 Resp: 66514

Ion Ratio Lower Upper

142 100

127 43.4 35.3 52.9

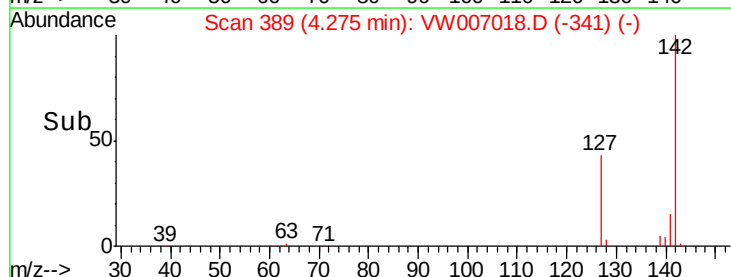
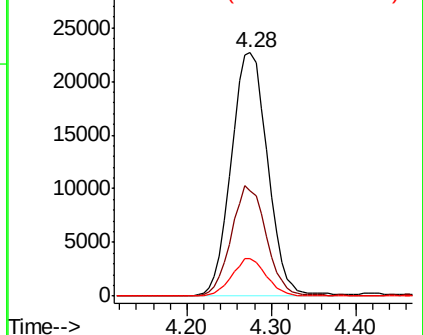
141 14.4 11.7 17.5

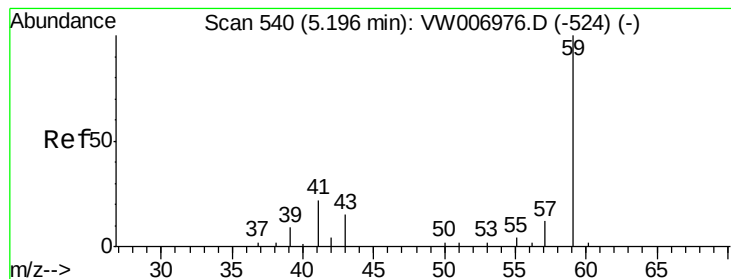


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



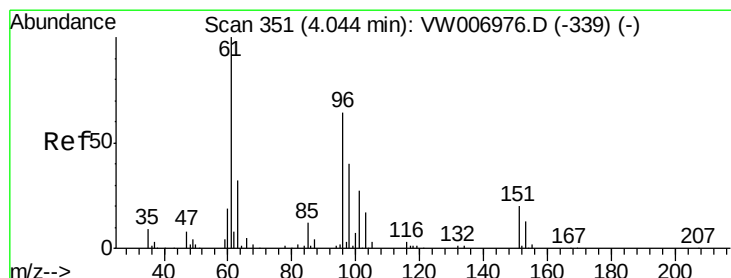
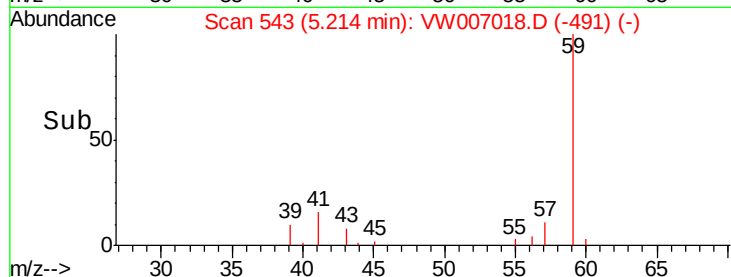
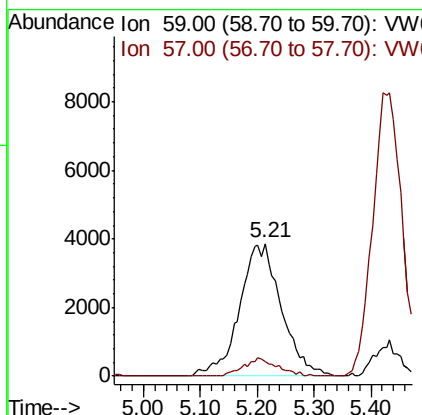
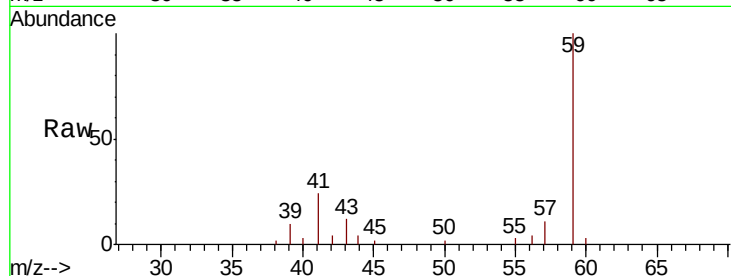


#11

Tert butyl alcohol
 Concen: 289.322 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Instrument :
 MSVOA_W
 ClientSampled :

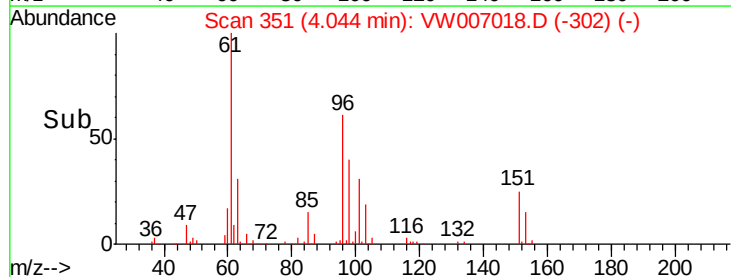
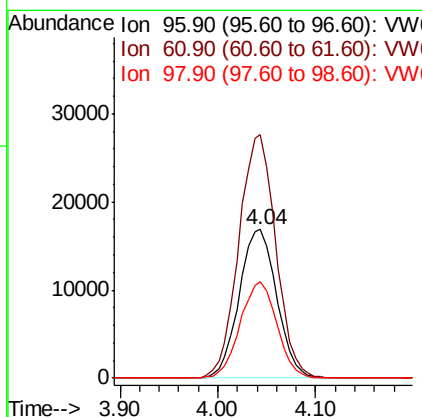
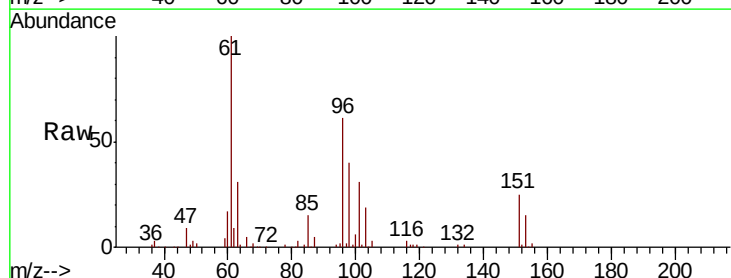
Tot Ion: 59 Resp: 19789
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0

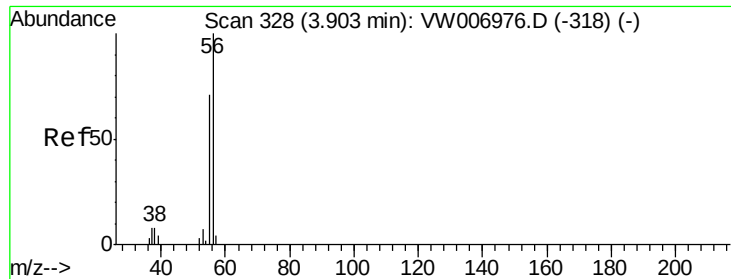


#12

1,1-Dichloroethene
 Concen: 46.384 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 96 Resp: 45057
 Ion Ratio Lower Upper
 96 100
 61 164.0 124.3 186.5
 98 64.8 49.4 74.2





#13

Acrolein

Concen: 272.244 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

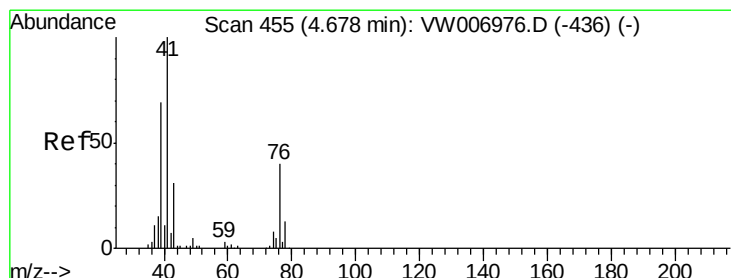
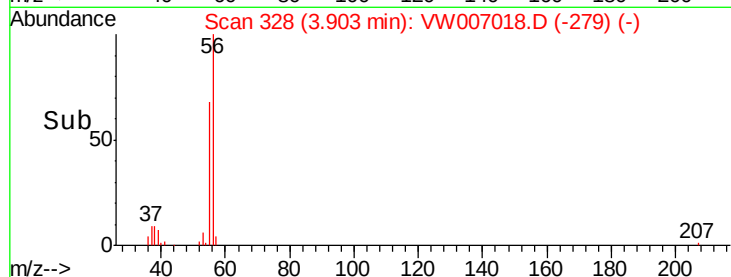
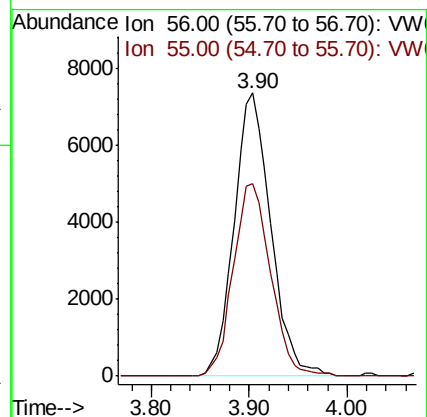
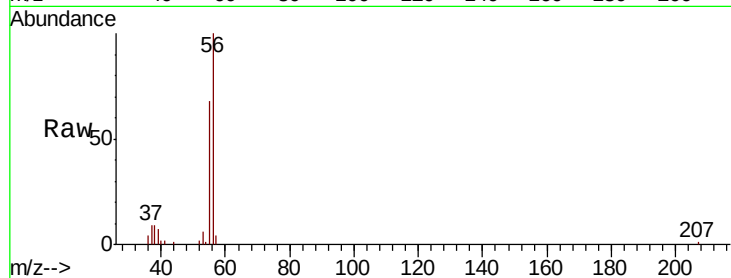
ClientSampled :

Tot Ion: 56 Resp: 19123

Ion Ratio Lower Upper

56 100

55 69.5 57.5 86.3



#14

Allyl chloride

Concen: 47.785 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

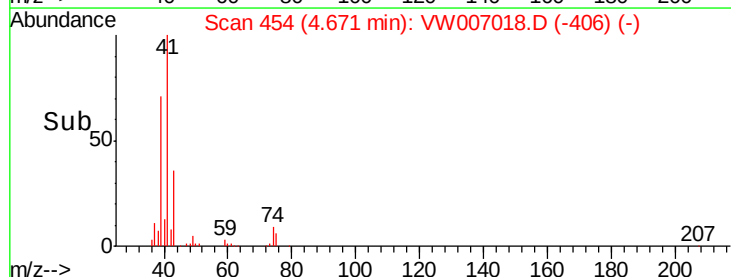
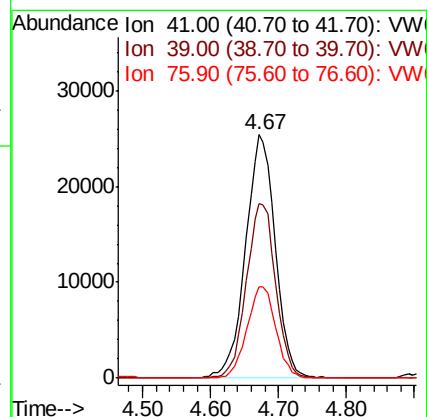
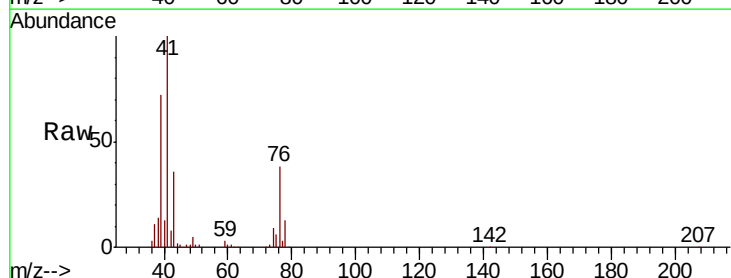
Tgt Ion: 41 Resp: 76990

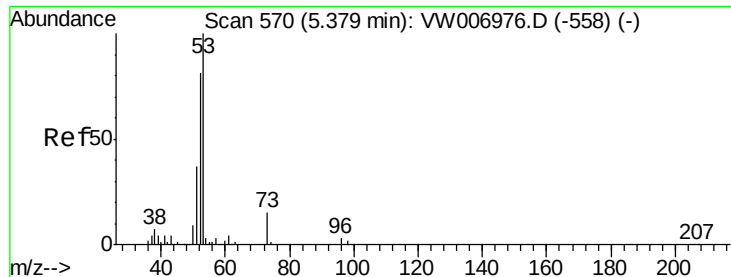
Ion Ratio Lower Upper

41 100

39 70.9 55.4 83.2

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 287.044 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

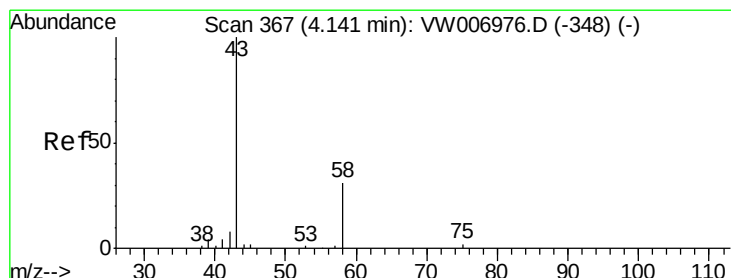
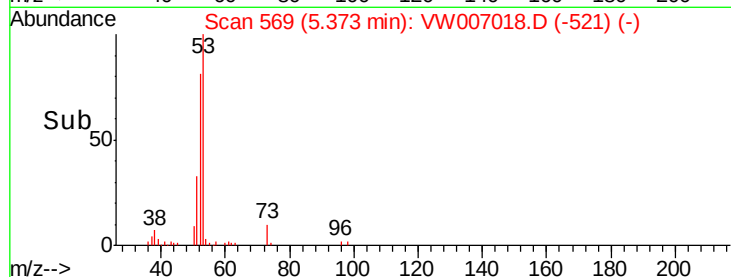
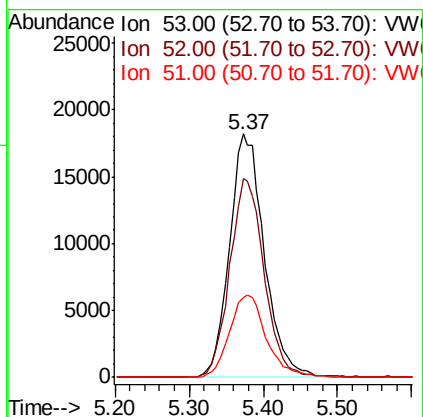
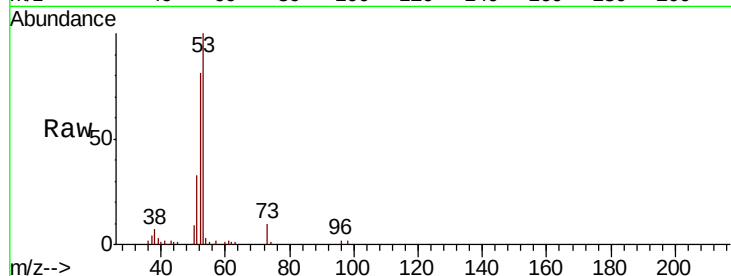
Tot Ion: 53 Resp: 59389

Ion Ratio Lower Upper

53 100

52 80.7 65.7 98.5

51 36.0 29.9 44.9



#16

Acetone

Concen: 278.637 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007018.D

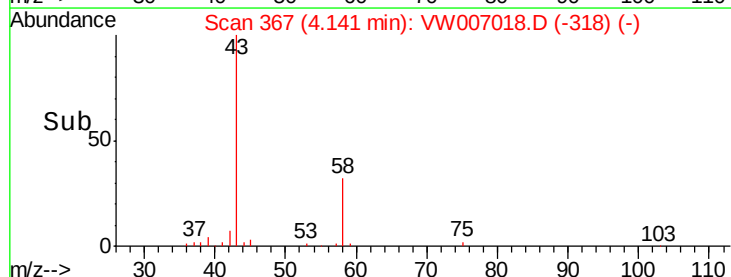
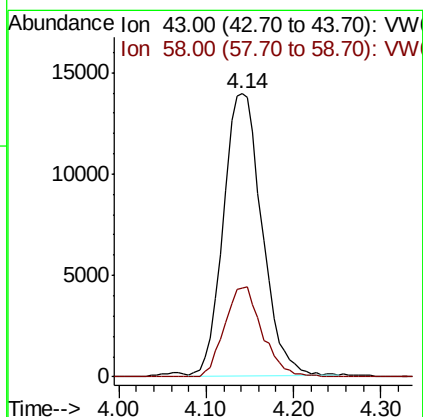
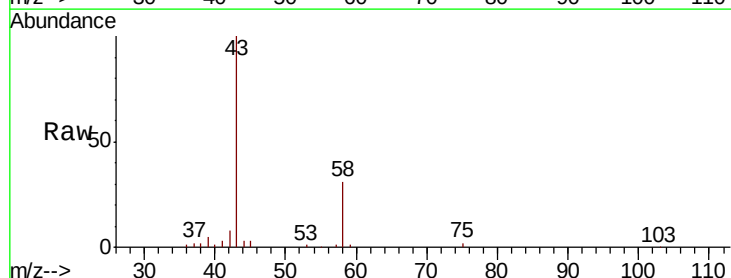
Acq: 22 Nov 2018 00:45

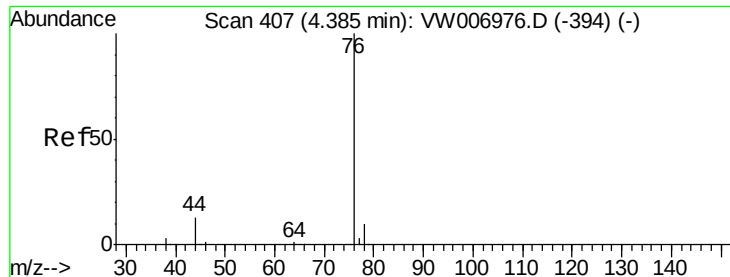
Tgt Ion: 43 Resp: 42505

Ion Ratio Lower Upper

43 100

58 31.7 24.8 37.2

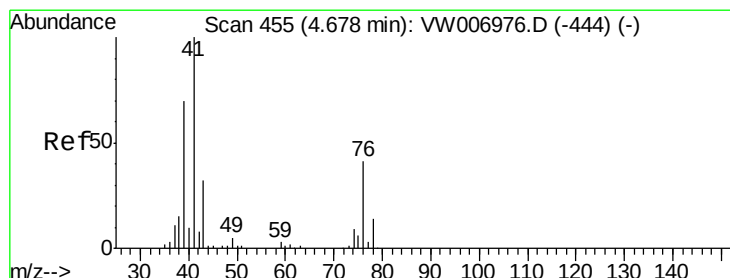
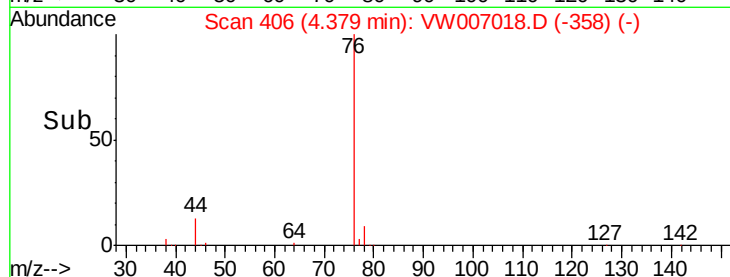
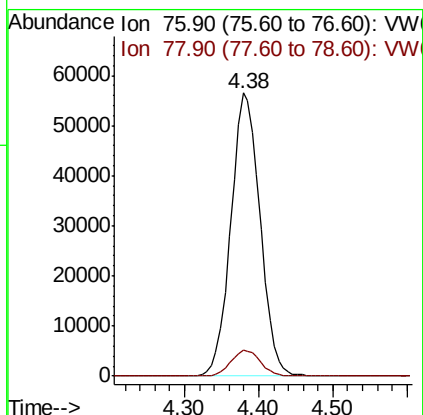
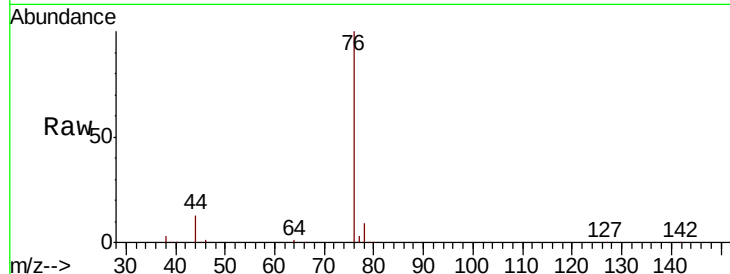




#17
Carbon Disulfide
Concen: 49.498 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

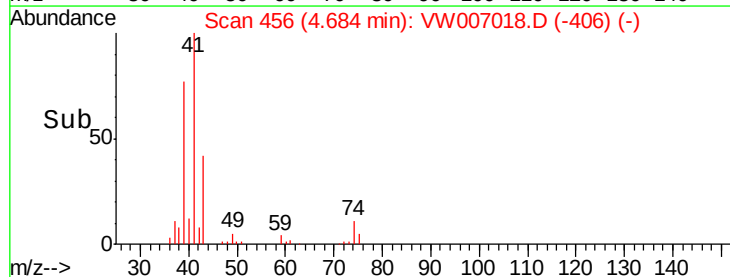
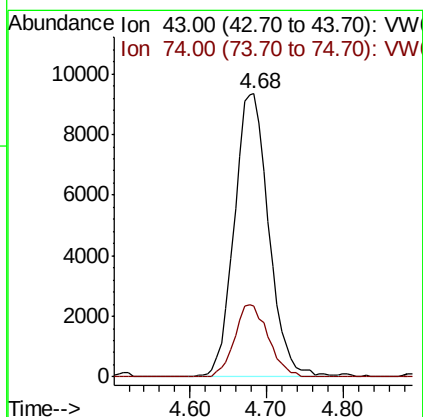
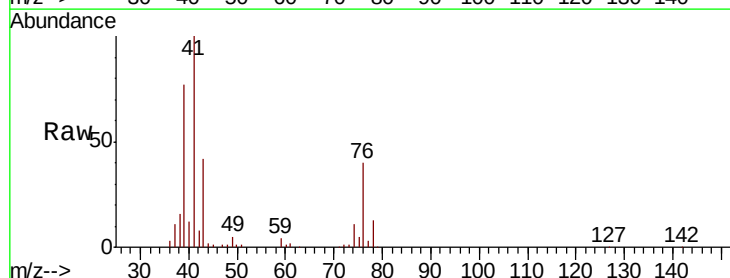
Instrument :
MSVOA_W
ClientSampleId :

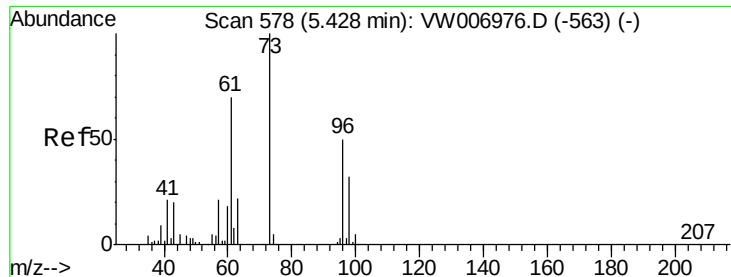
Tot Ion: 76 Resp: 155450
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6



#18
Methyl Acetate
Concen: 53.823 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 43 Resp: 29239
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1

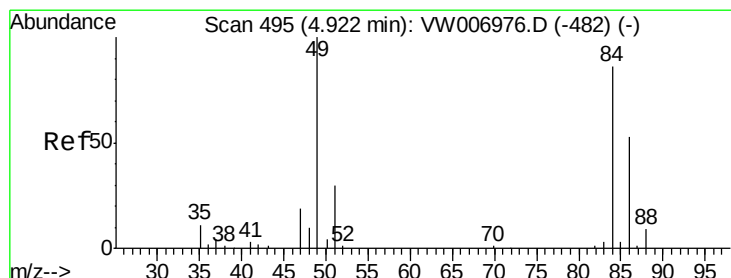
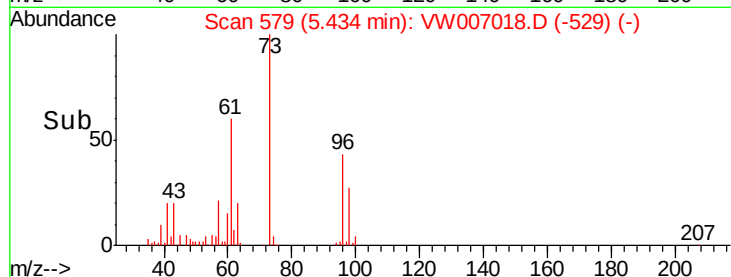
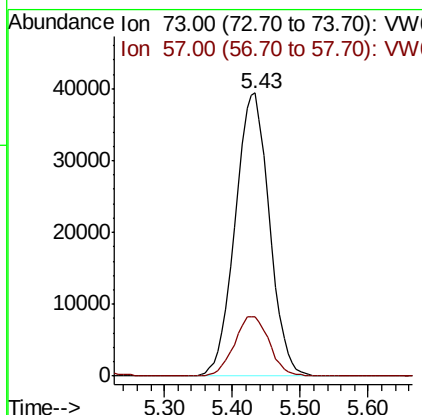
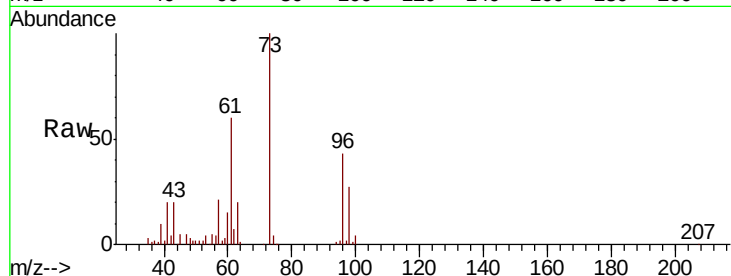




#19
Methyl tert-butyl Ether
Concen: 54.262 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

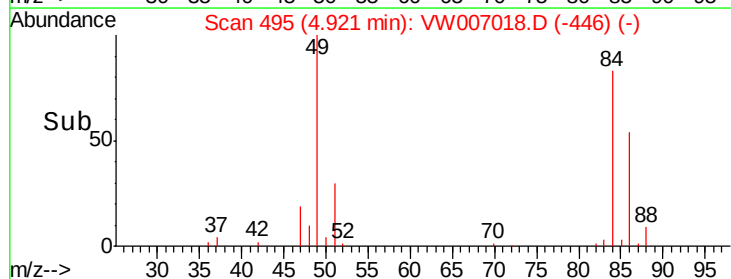
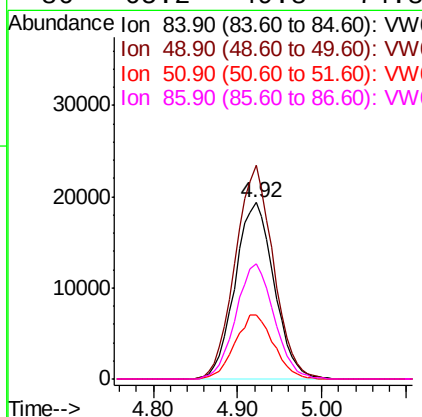
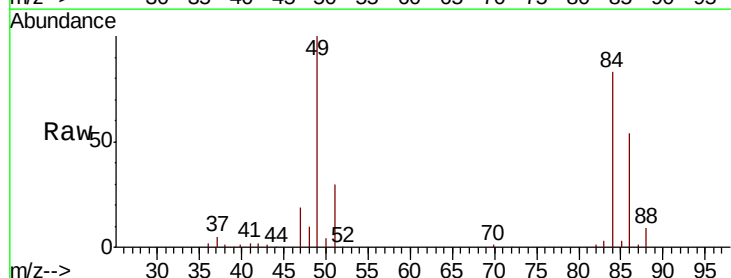
Instrument :
MSVOA_W
ClientSampled :

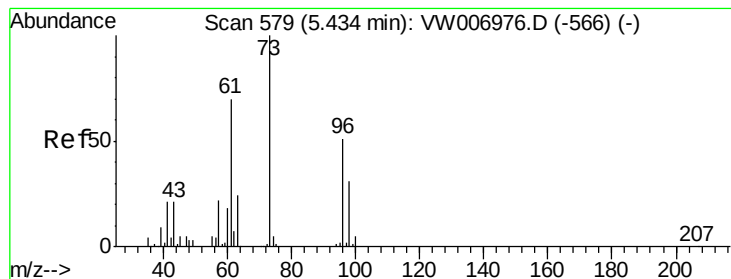
Tot Ion: 73 Resp: 137628
Ion Ratio Lower Upper
73 100
57 20.9 16.7 25.1



#20
Methylene Chloride
Concen: 50.112 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 84 Resp: 60906
Ion Ratio Lower Upper
84 100
49 120.9 93.4 140.0
51 36.1 28.4 42.6
86 65.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.835 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

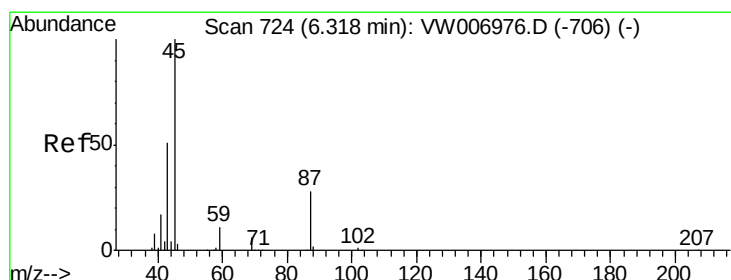
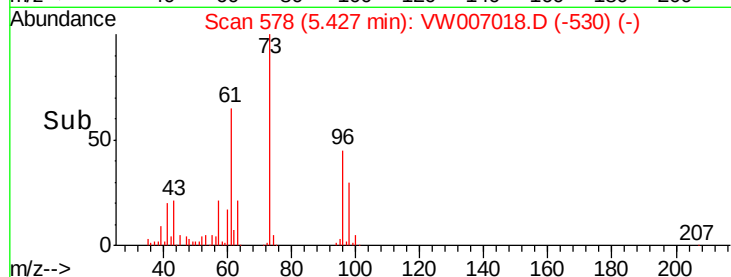
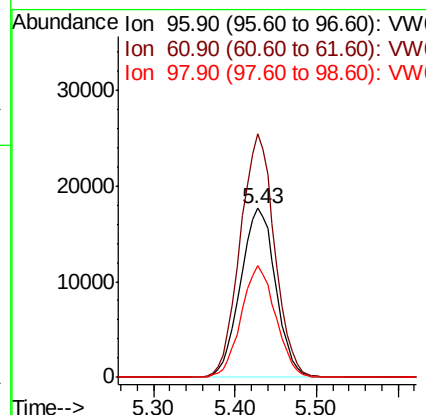
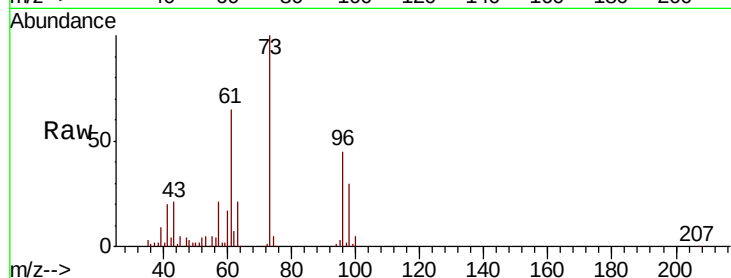
Tot Ion: 96 Resp: 52997

Ion Ratio Lower Upper

96 100

61 143.8 109.4 164.0

98 65.8 48.3 72.5



#22

Diisopropyl ether

Concen: 50.217 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion: 45 Resp: 157477

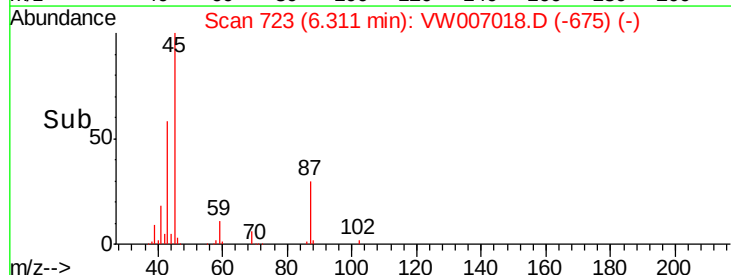
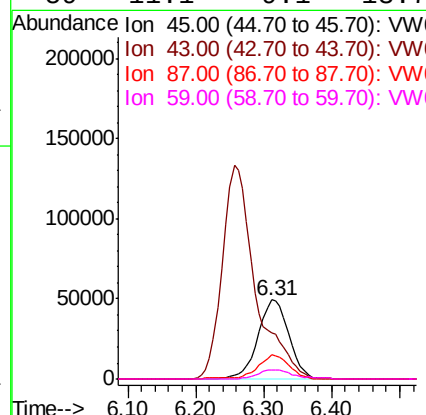
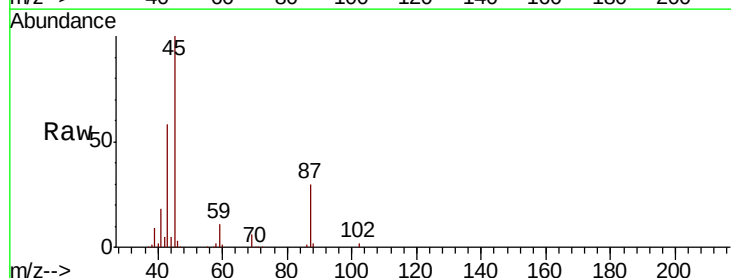
Ion Ratio Lower Upper

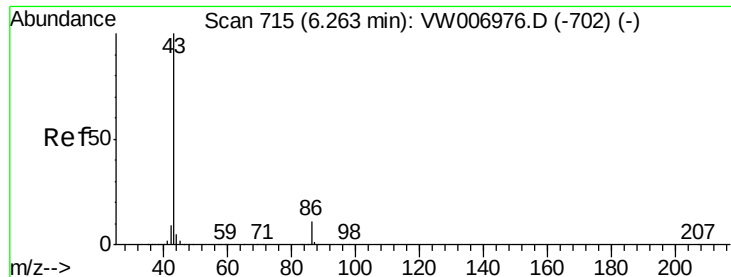
45 100

43 57.8 42.5 63.7

87 30.2 22.8 34.2

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 271.221 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

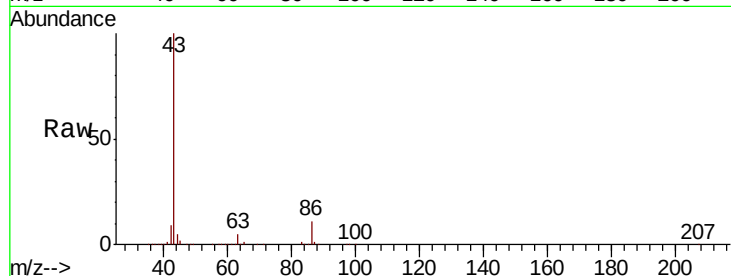
ClientSampled :

Tot Ion: 43 Resp: 451669

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

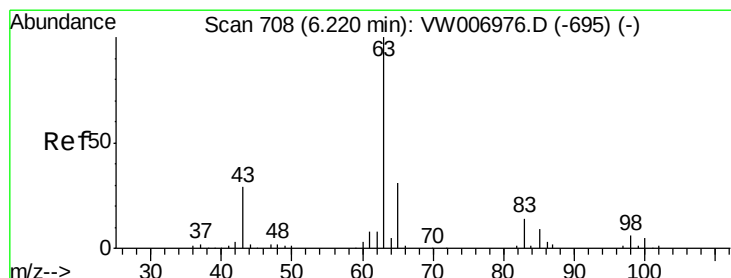
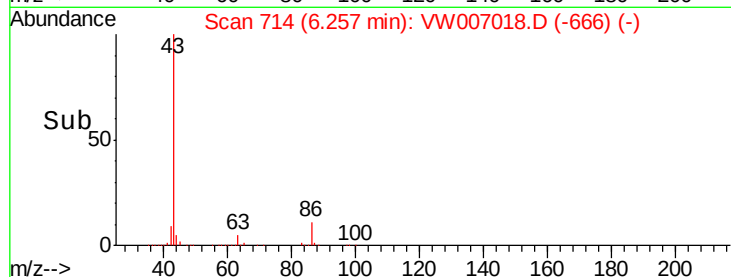
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 48.341 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

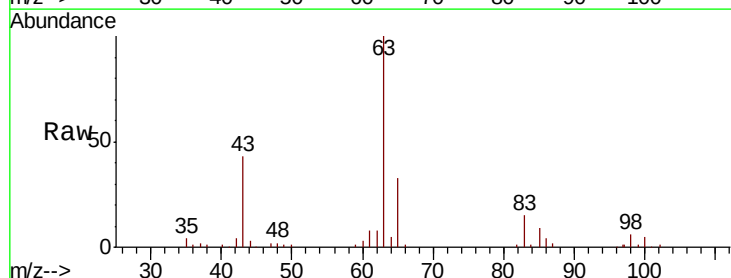
Tgt Ion: 63 Resp: 92223

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.6 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

40000

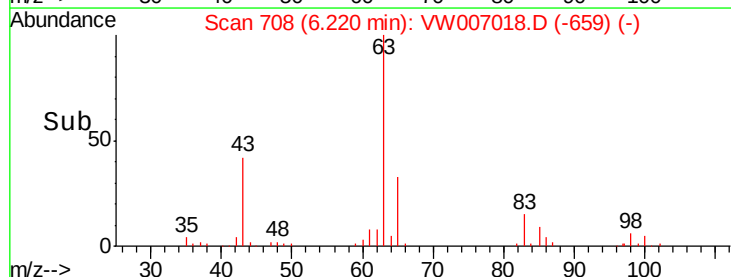
30000

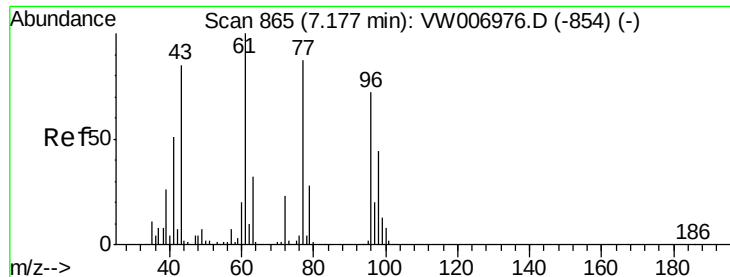
20000

10000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 277.992 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

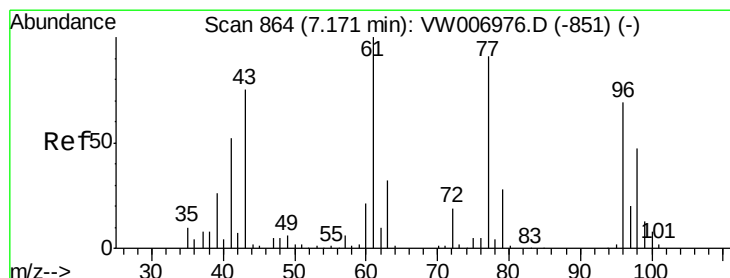
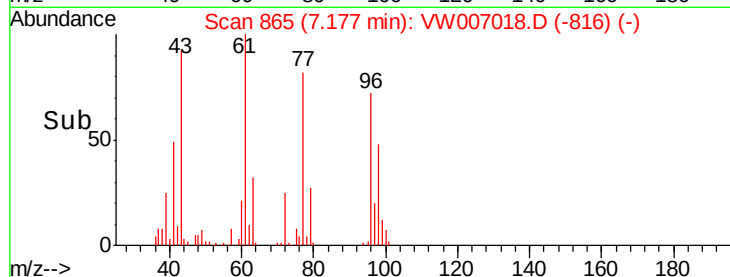
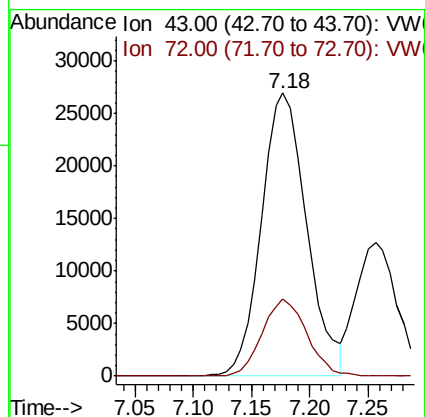
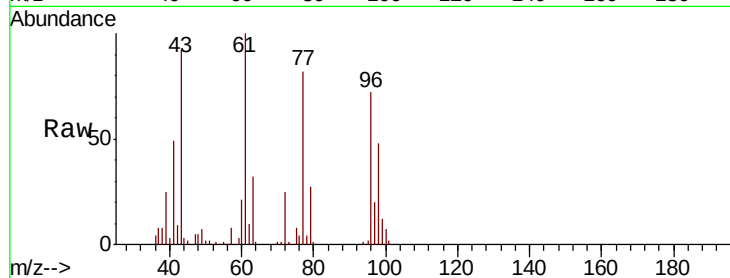
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 72631

Ion Ratio Lower Upper

43 100

72 27.4 21.3 31.9



#26

2,2-Dichloropropane

Concen: 44.211 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007018.D

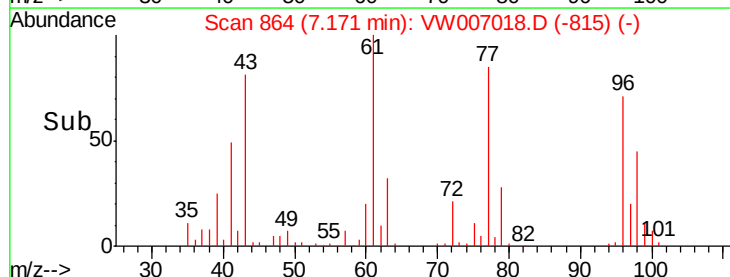
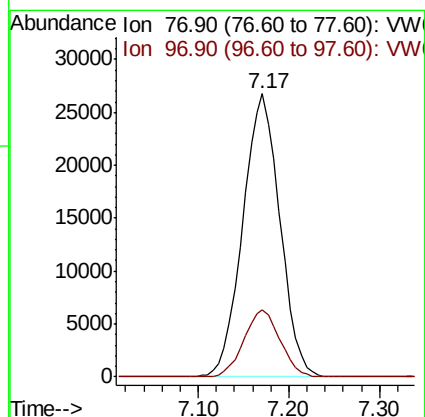
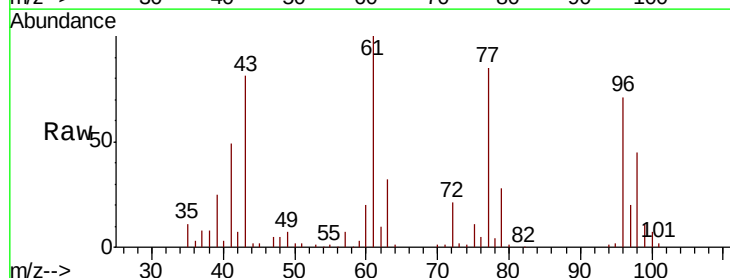
Acq: 22 Nov 2018 00:45

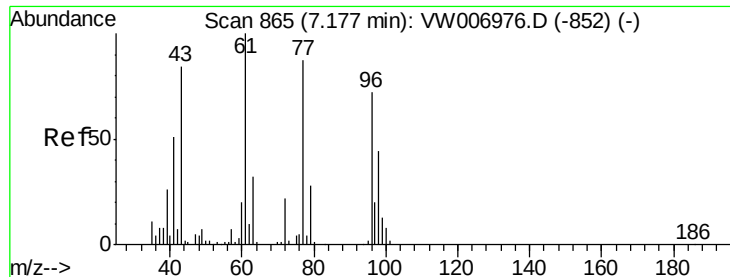
Tgt Ion: 77 Resp: 75847

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1



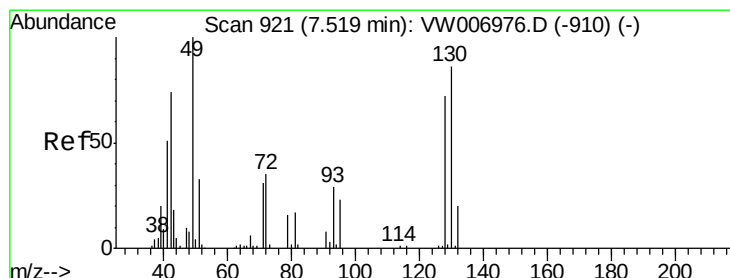
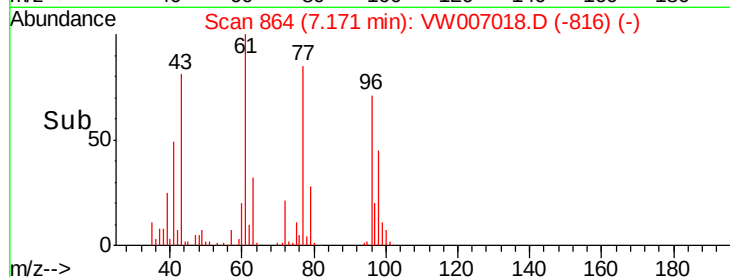
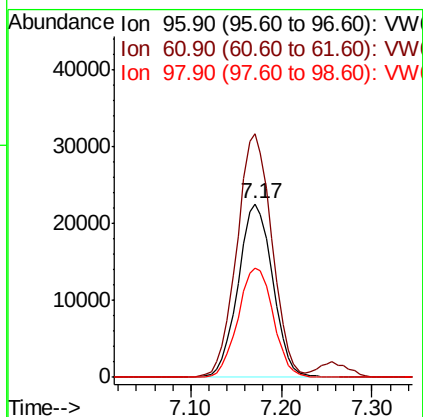
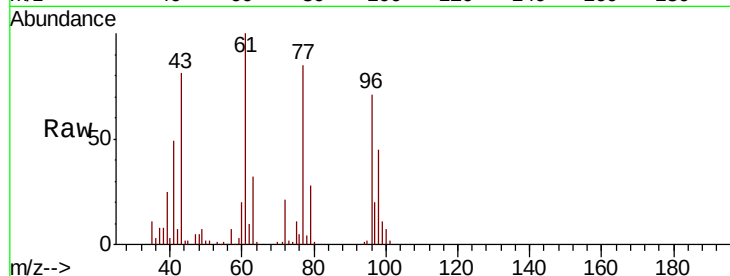


#27

cis-1,2-Dichloroethene
Concen: 49.452 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampled :

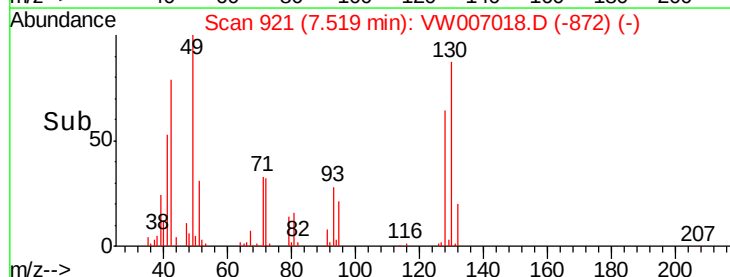
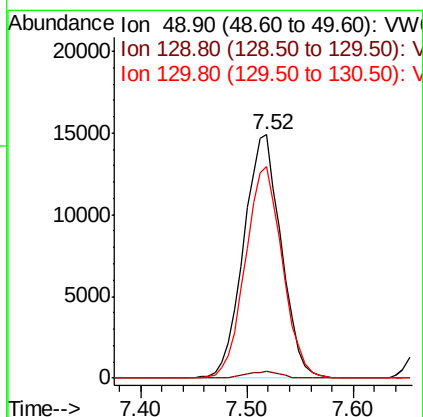
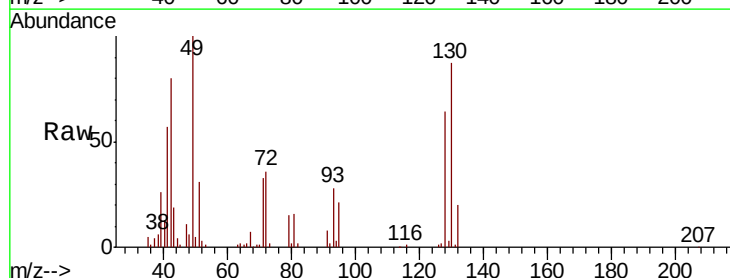
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	292.6
98	63.8	0.0	129.8

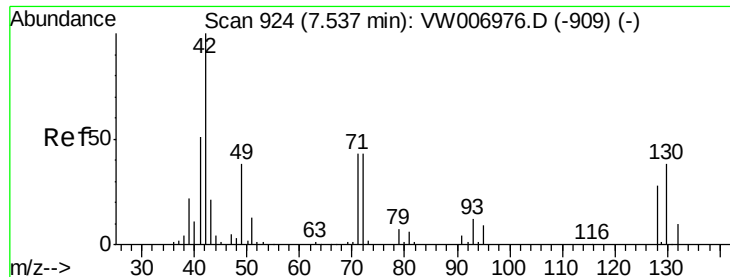


#28

Bromochloromethane
Concen: 51.725 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.0#
130	85.7	69.0	103.4





#29

Tetrahydrofuran

Concen: 278.823 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

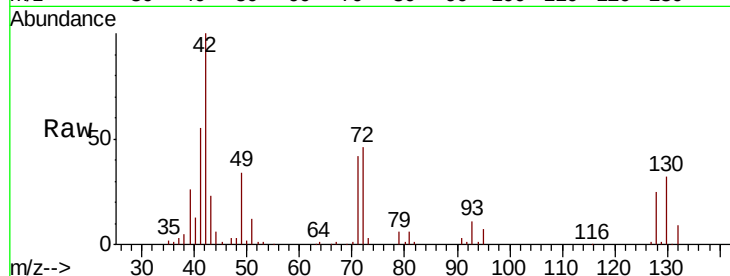
Tot Ion: 42 Resp: 47180

Ion Ratio Lower Upper

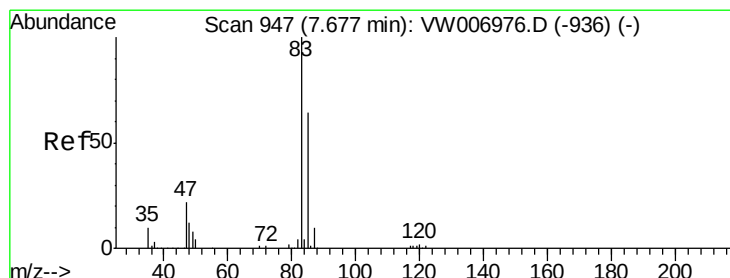
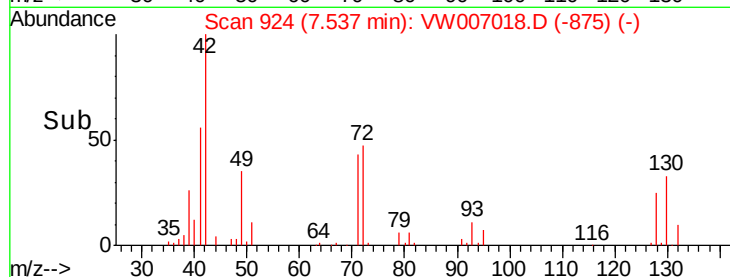
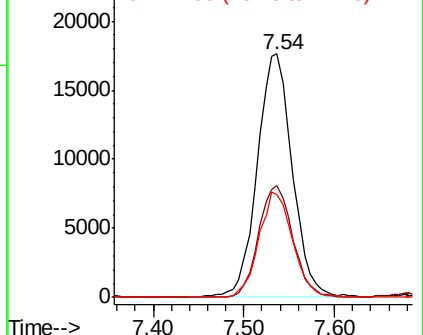
42 100

72 44.5 36.2 54.4

71 41.5 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: 47.597 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW007018.D

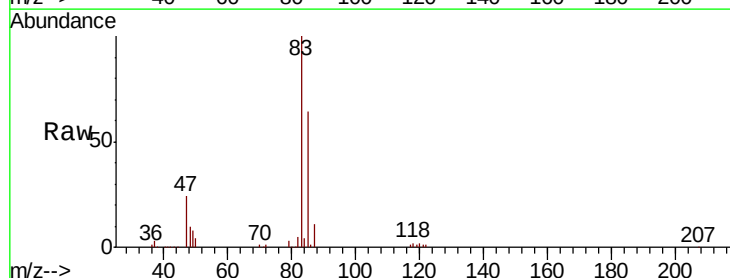
Acq: 22 Nov 2018 00:45

Tgt Ion: 83 Resp: 96467

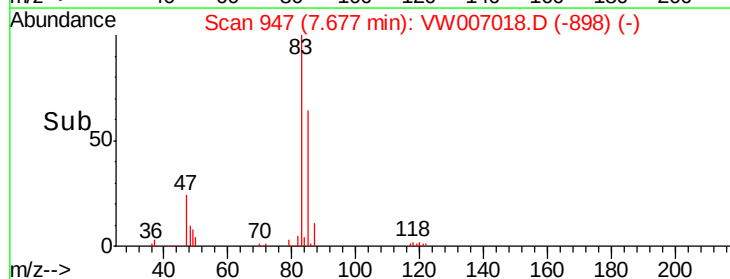
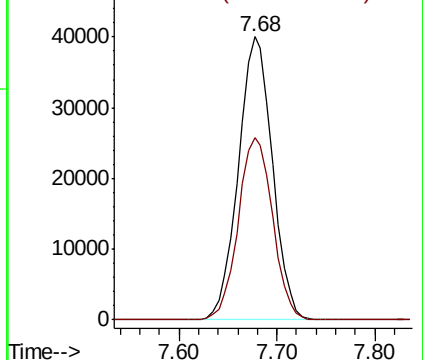
Ion Ratio Lower Upper

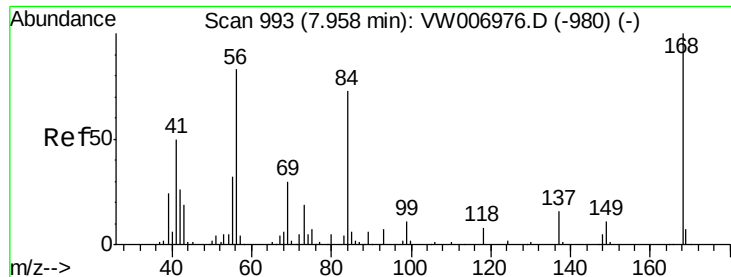
83 100

85 64.3 50.9 76.3



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

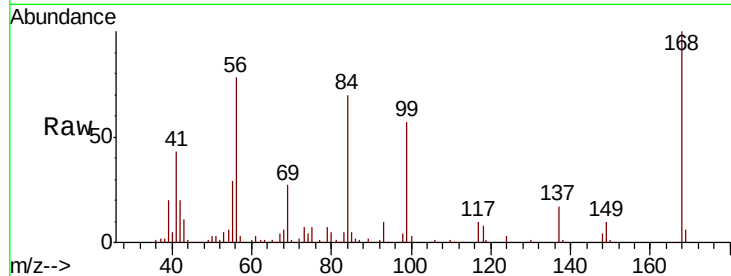




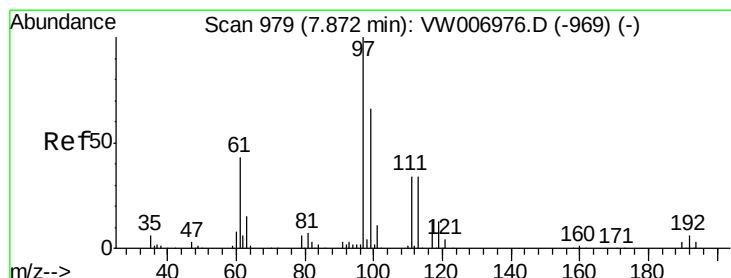
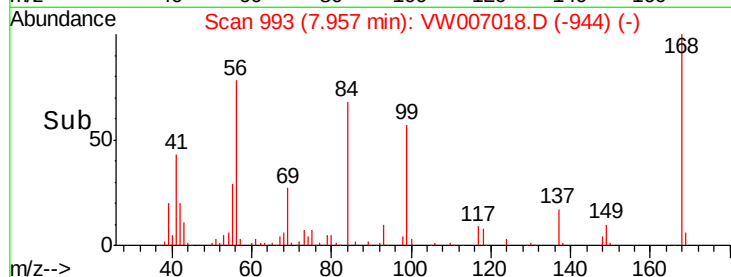
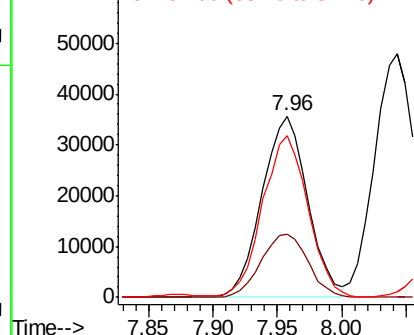
#31
Cyclohexane
Concen: 43.325 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 87668
Ion Ratio Lower Upper
56 100
69 34.5 29.1 43.7
84 87.7 70.6 105.8

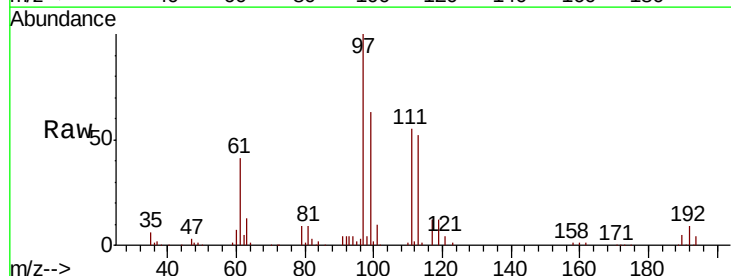


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

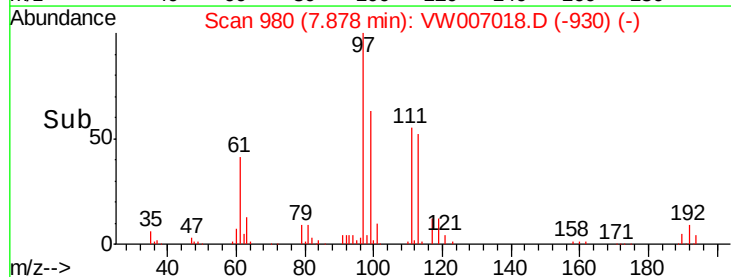
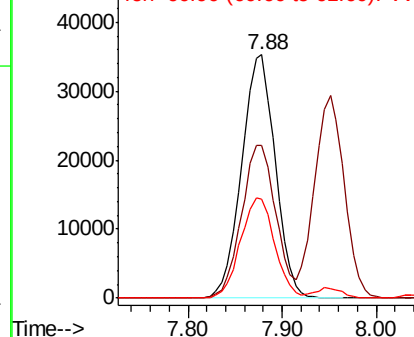


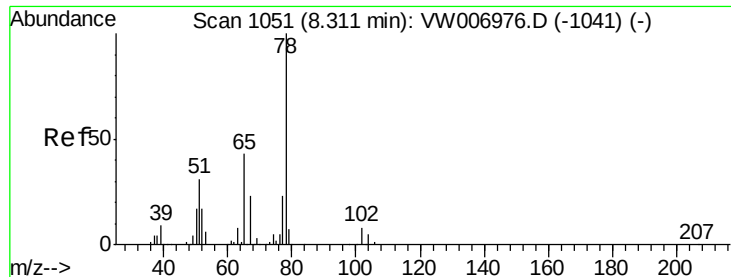
#32
1,1,1-Trichloroethane
Concen: 47.952 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 97 Resp: 87539
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 41.8 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

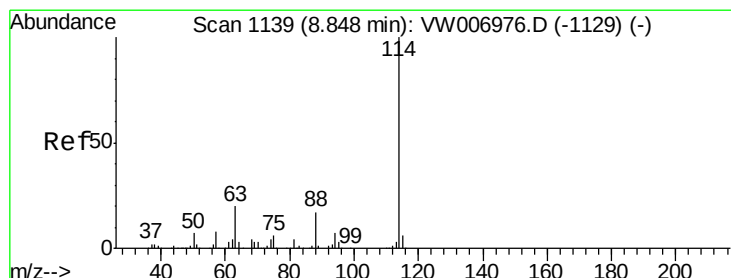
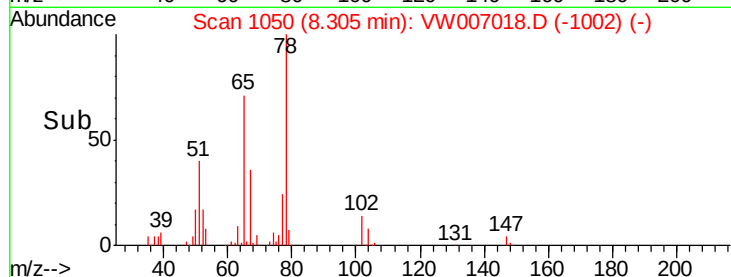
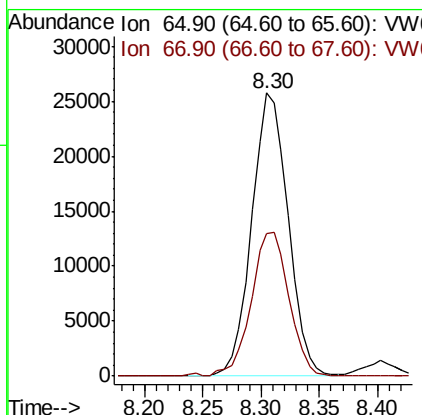
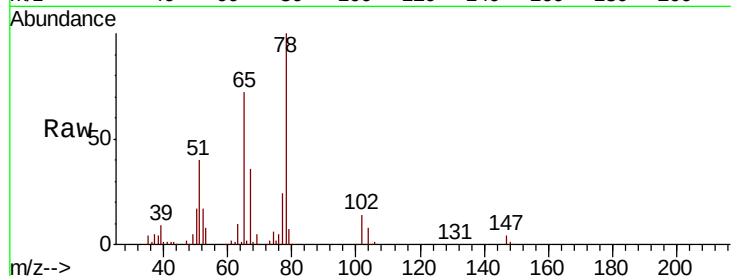




#33
 1,2-Dichloroethane-d4
 Concen: 53.482 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

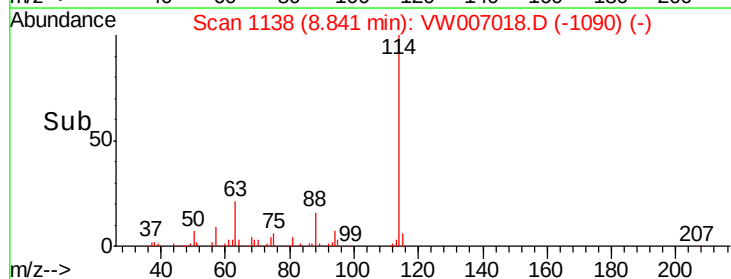
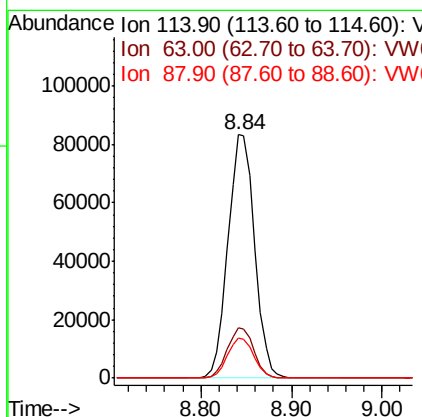
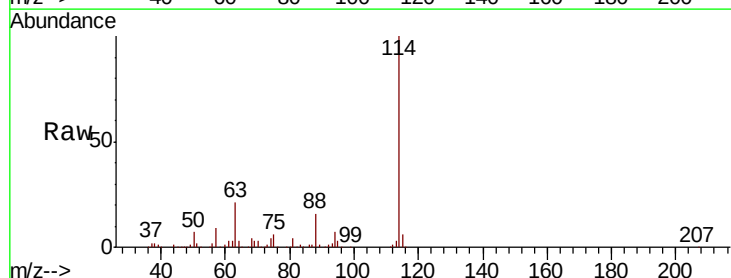
Instrument :
 MSVOA_W
 ClientSampleId :

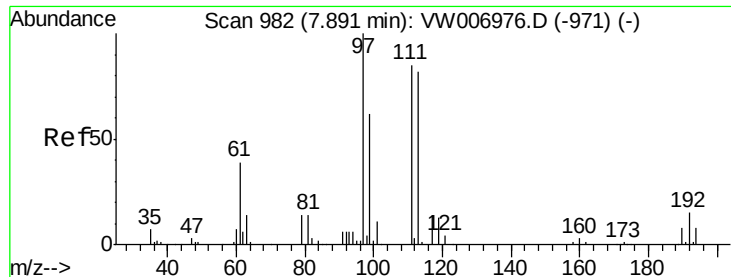
Tot Ion: 65 Resp: 56192
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 114 Resp: 169082
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.4
 88 16.5 0.0 34.2

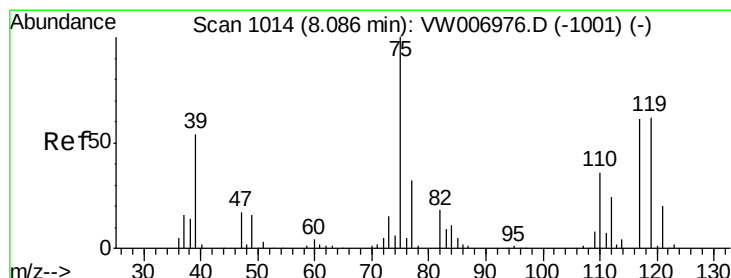
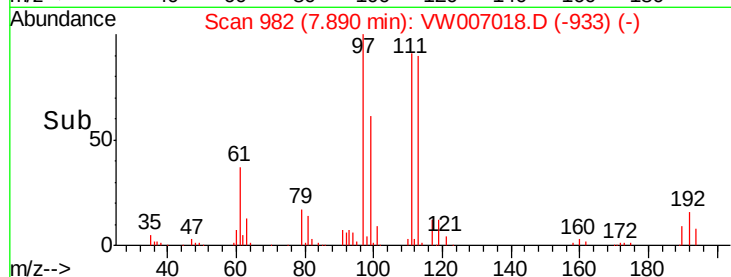
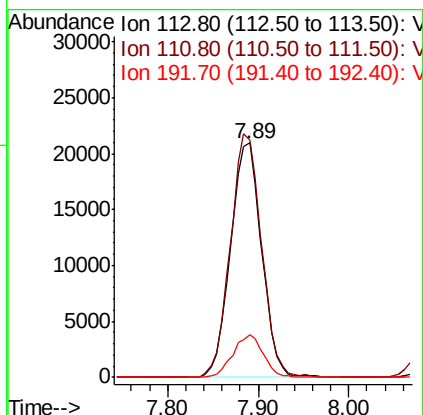
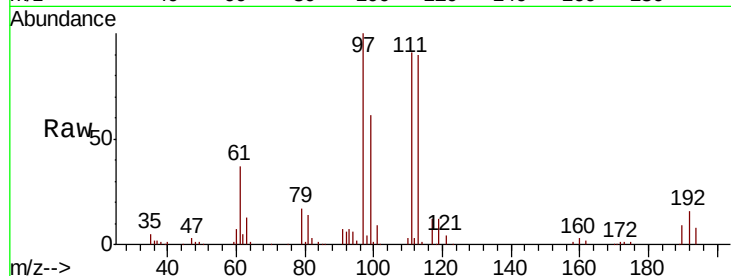




#35
 Dibromofluoromethane
 Concen: 52.211 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

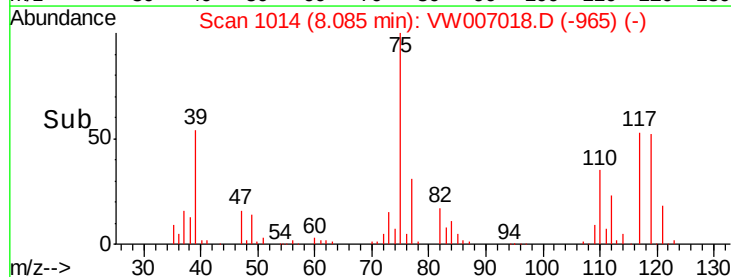
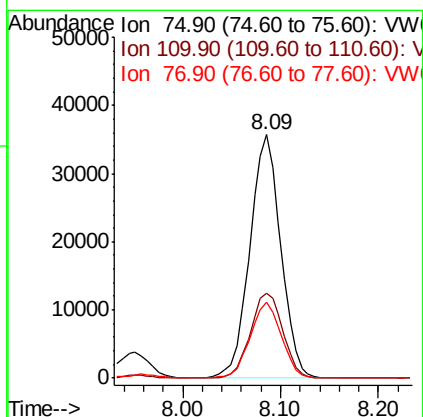
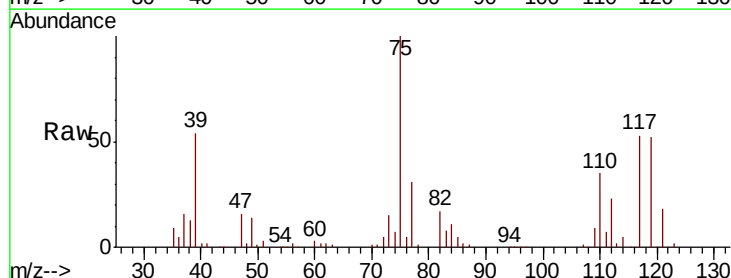
Instrument :
 MSVOA_W
 ClientSampleId :

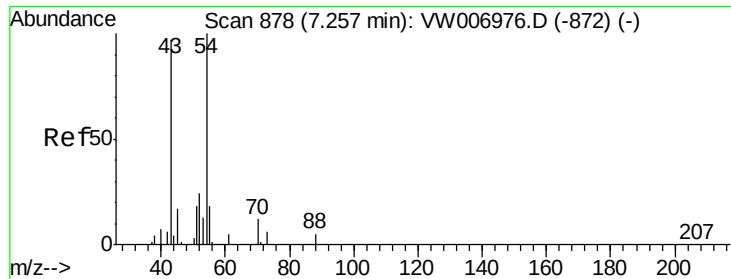
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.6
192	17.7	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 47.386 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.0	54.0
77	31.3	24.9	37.3

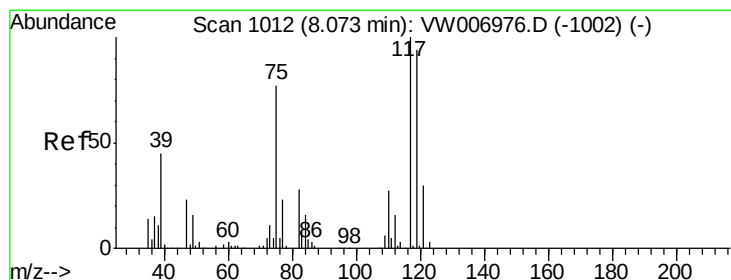
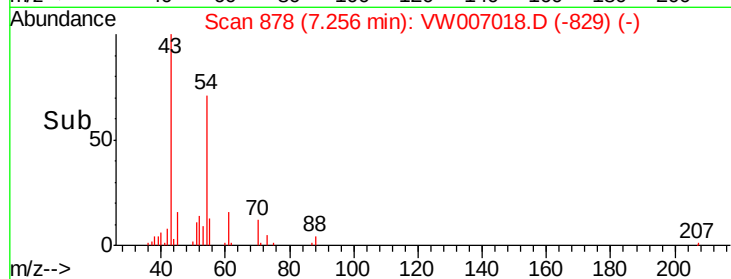
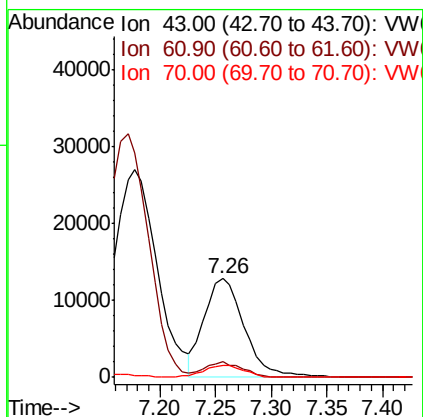
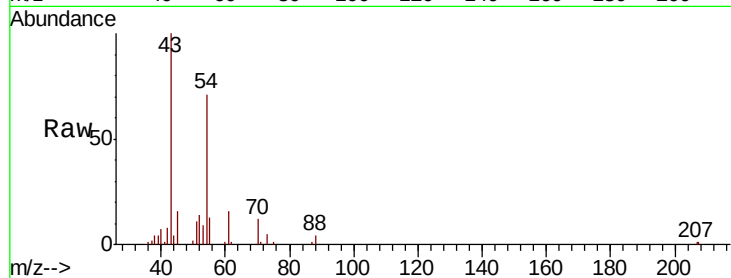




#37
Ethyl Acetate
Concen: 53.507 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

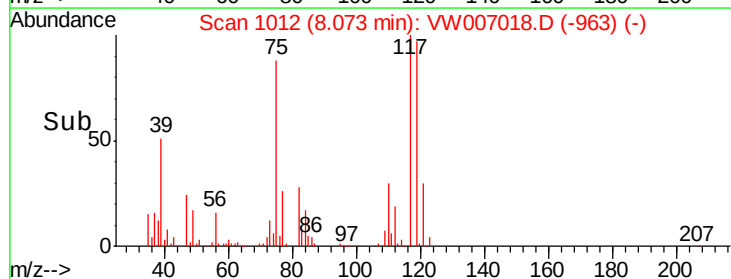
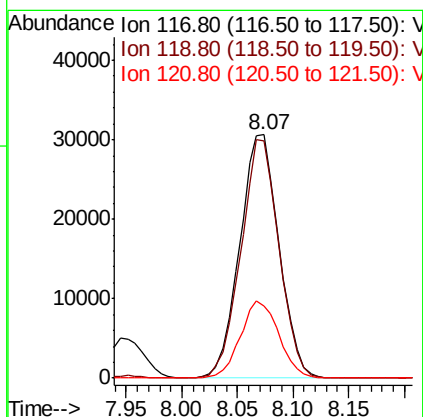
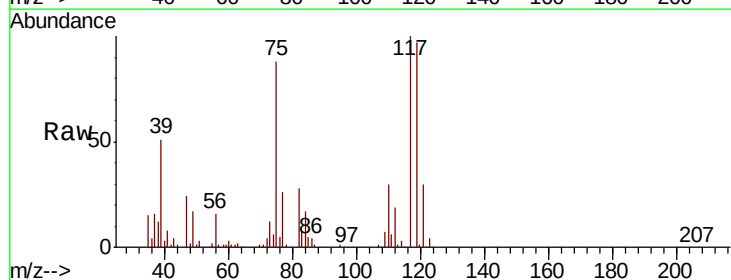
Instrument :
MSVOA_W
ClientSampleId :

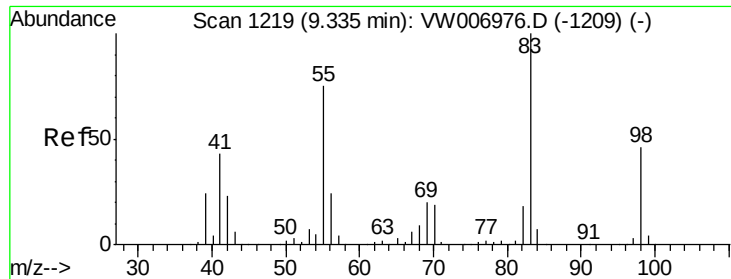
Tot Ion: 43 Resp: 32037
Ion Ratio Lower Upper
43 100
61 14.8 10.4 15.6
70 12.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 47.314 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 117 Resp: 74861
Ion Ratio Lower Upper
117 100
119 97.2 74.9 112.3
121 29.5 23.6 35.4

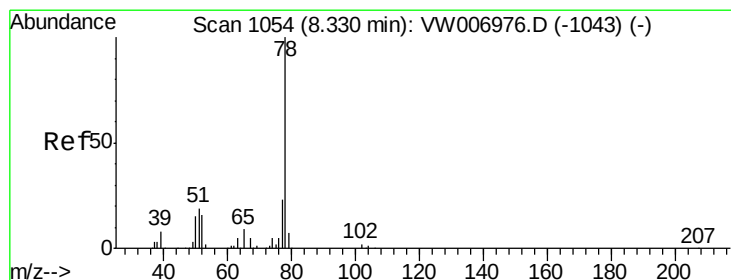
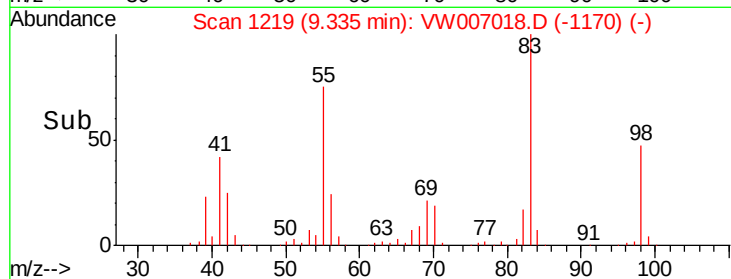
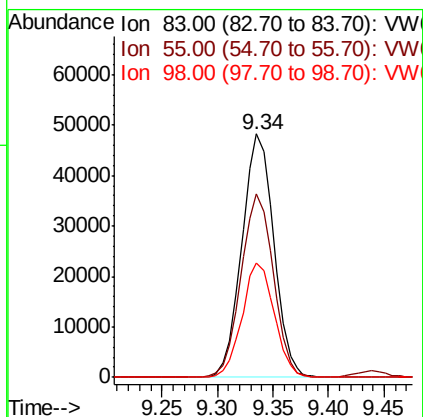
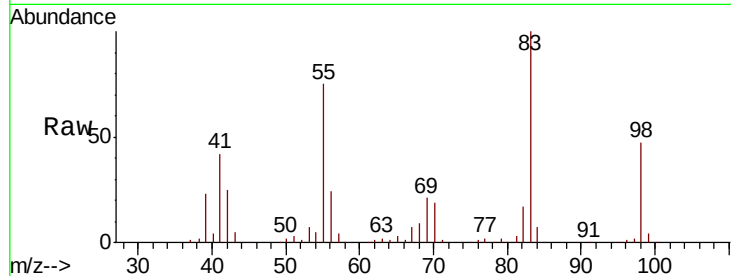




#39
Methylvlcyclohexane
Concen: 46.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

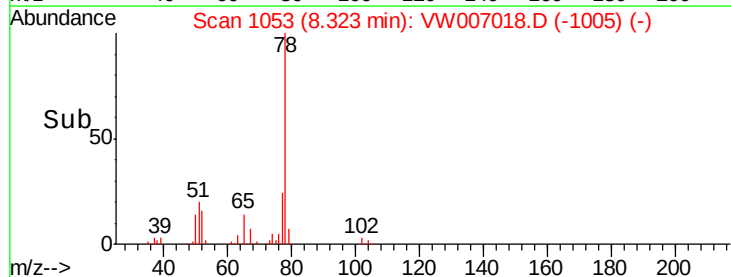
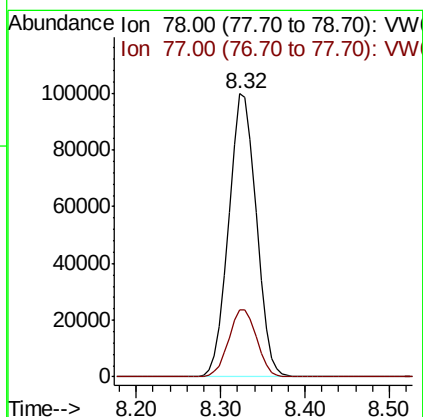
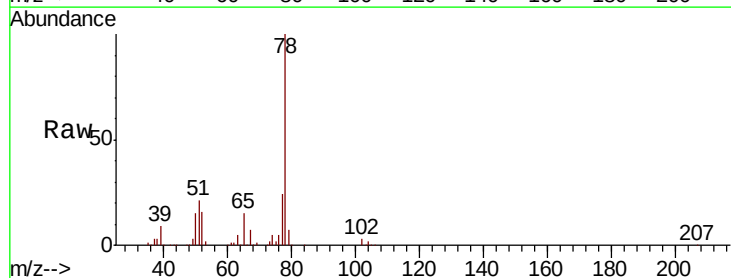
Instrument :
MSVOA_W
ClientSampled :

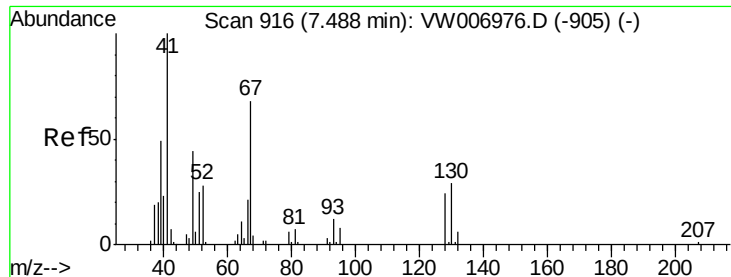
Tot Ion: 83 Resp: 96524
Ion Ratio Lower Upper
83 100
55 75.2 59.6 89.4
98 47.0 37.1 55.7



#40
Benzene
Concen: 49.750 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 78 Resp: 221888
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

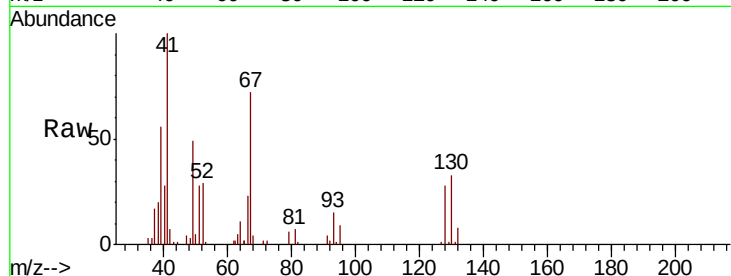




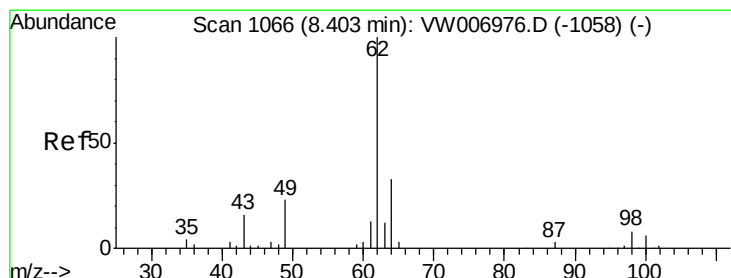
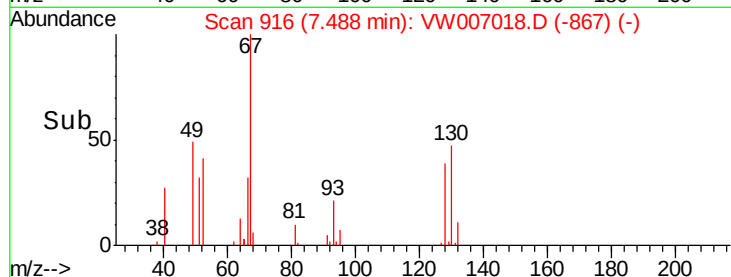
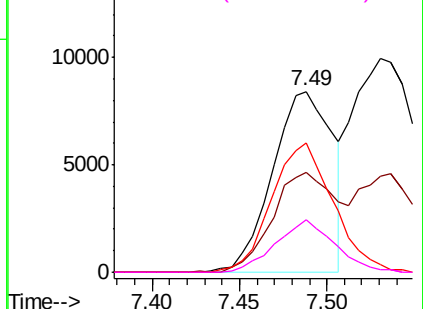
#41
Methacrylonitrile
Concen: 54.269 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	20179
Ion	Ratio	Lower	Upper
41	100		
39	61.2	48.6	73.0
67	73.3	59.8	89.8
52	28.5	24.8	37.2

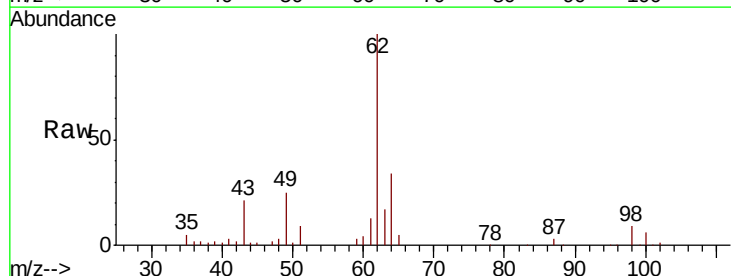


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

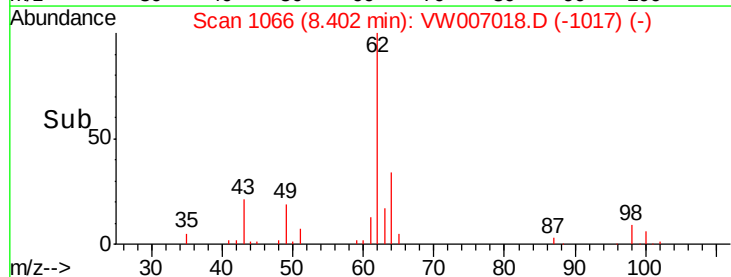
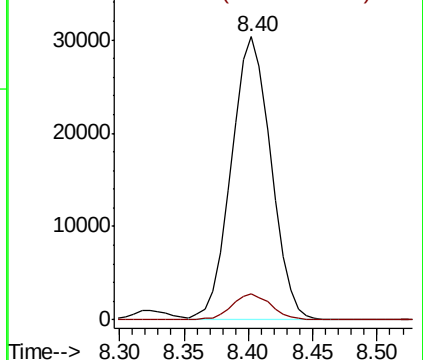


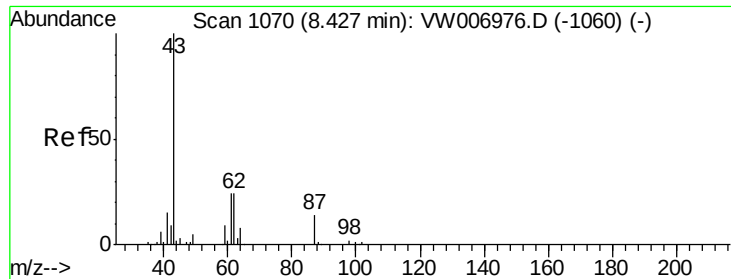
#42
1,2-Dichloroethane
Concen: 50.116 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:	62	Resp:	64895
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 56.605 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

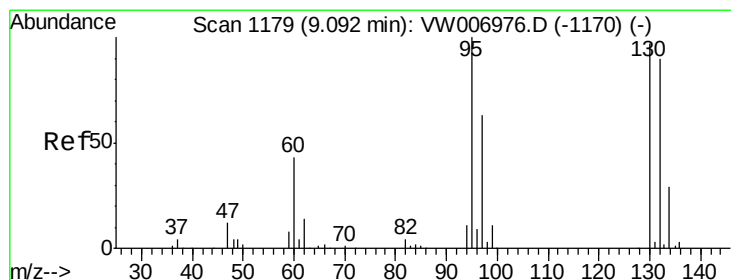
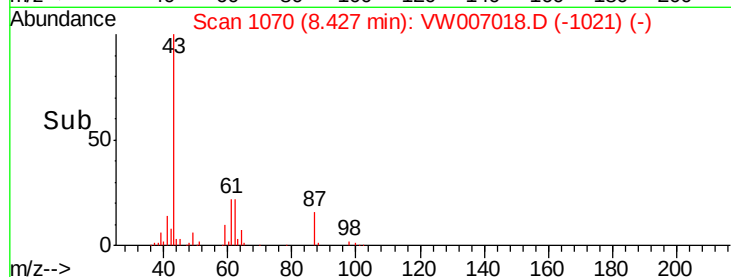
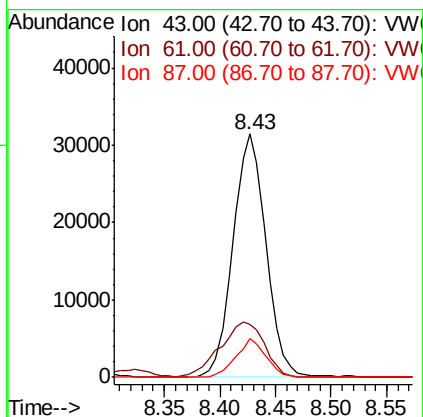
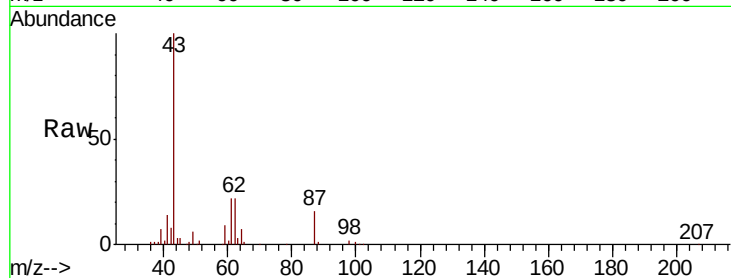
Tot Ion: 43 Resp: 64586

Ion Ratio Lower Upper

43 100

61 30.7 26.1 39.1

87 14.6 11.2 16.8



#44

Trichloroethene

Concen: 49.772 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007018.D

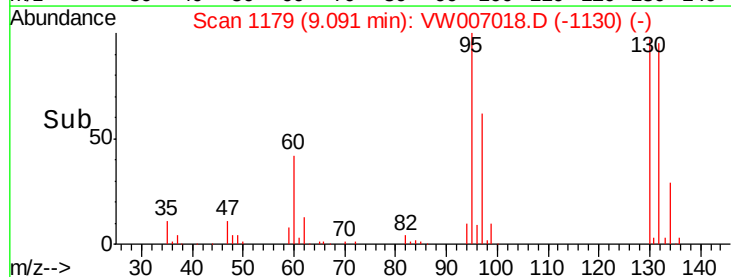
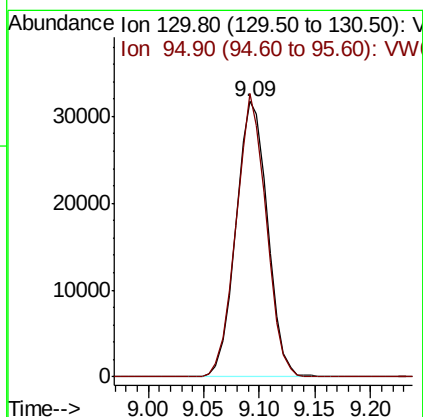
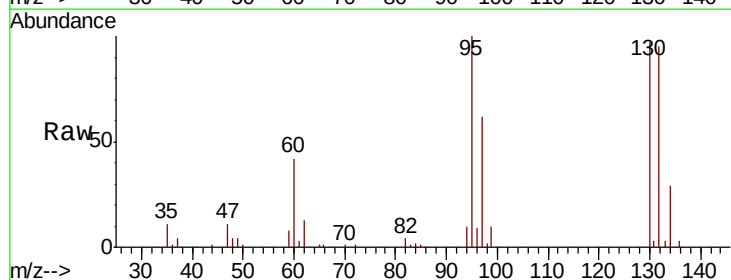
Acq: 22 Nov 2018 00:45

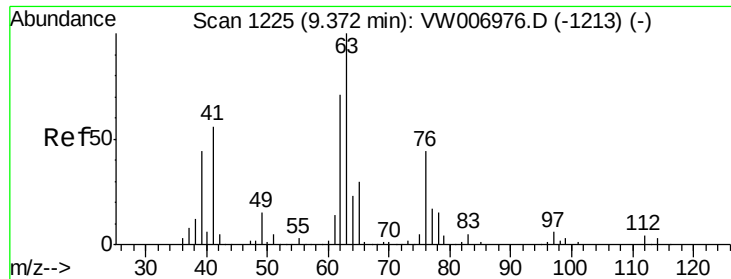
Tgt Ion: 130 Resp: 62229

Ion Ratio Lower Upper

130 100

95 102.8 0.0 206.4

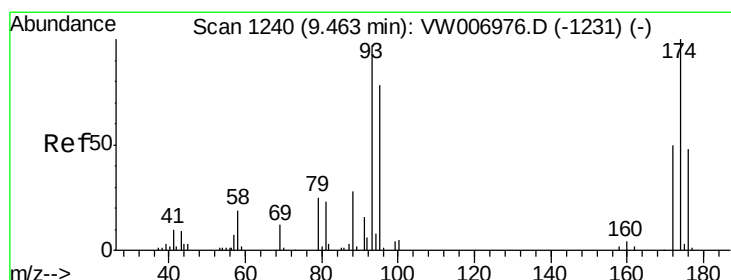
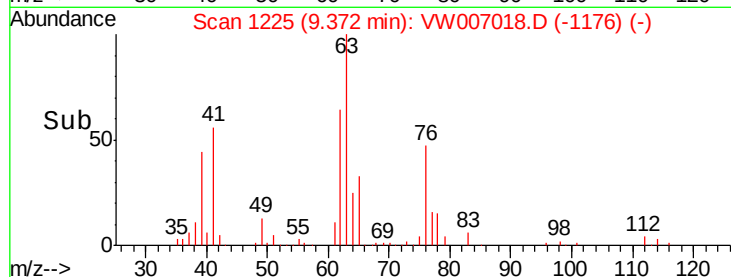
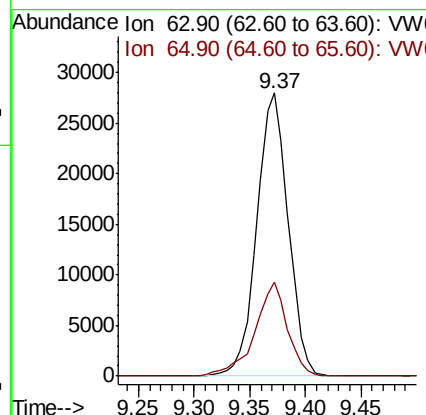
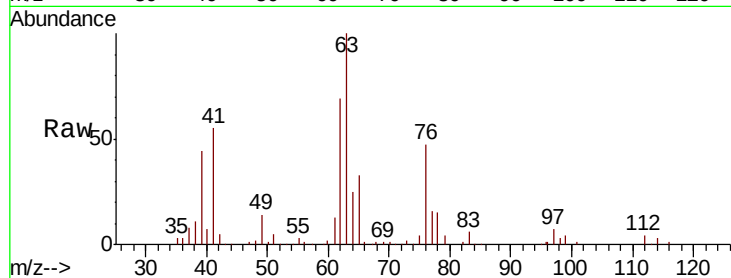




#45
 1,2-Dichloropropane
 Concen: 50.045 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

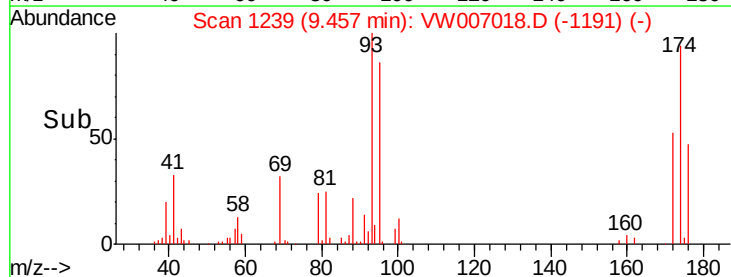
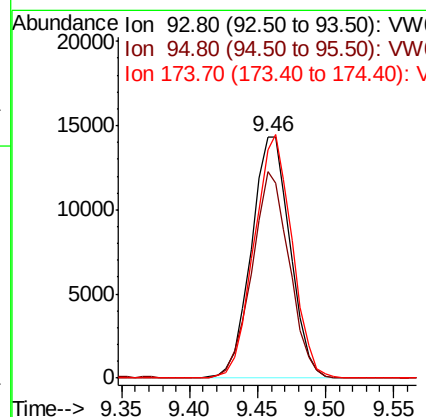
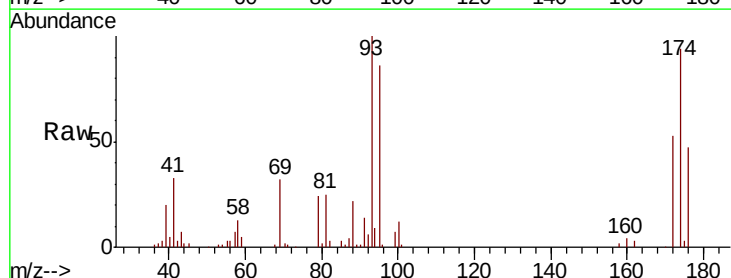
Instrument :
 MSVOA_W
 ClientSampleId :

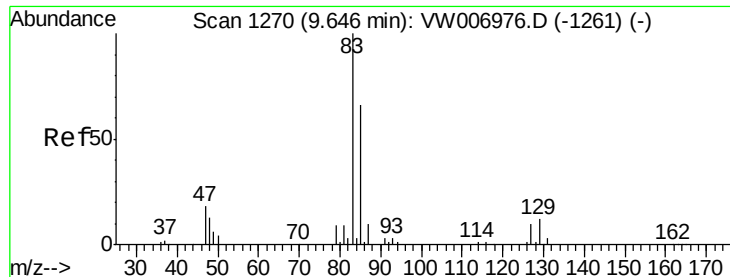
Tot Ion: 63 Resp: 55022
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.4 36.6



#46
 Dibromomethane
 Concen: 51.969 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 93 Resp: 28613
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 98.3 79.7 119.5





#47

Bromodichloromethane

Concen: 50.724 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

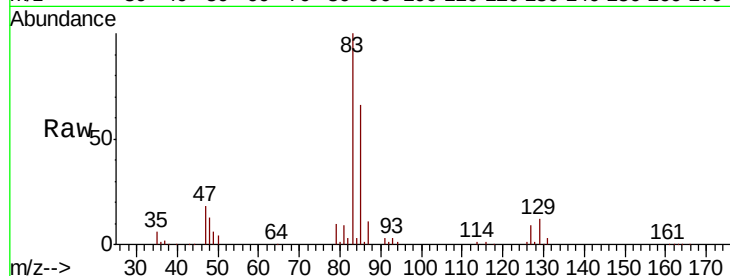
Tot Ion: 83 Resp: 73582

Ion Ratio Lower Upper

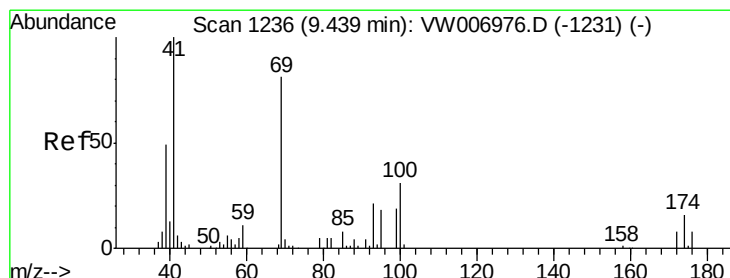
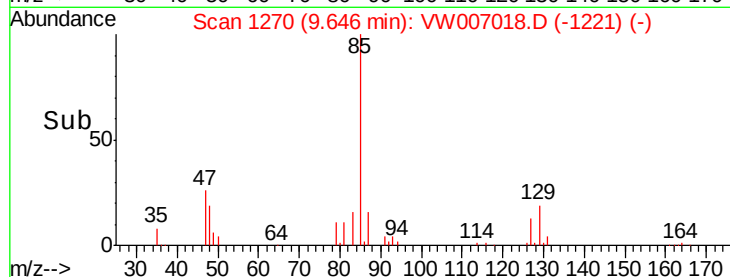
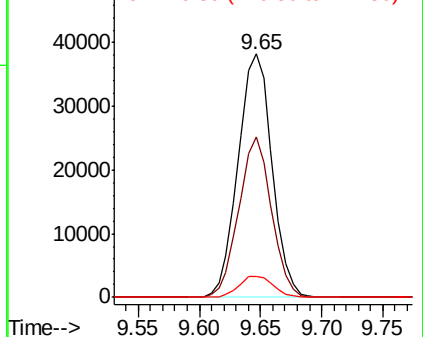
83 100

85 65.6 52.9 79.3

127 8.7 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: 56.674 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

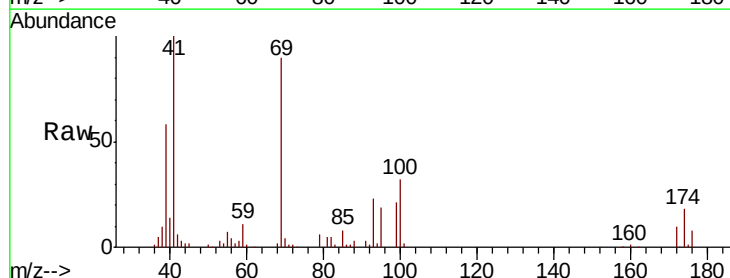
Tgt Ion: 41 Resp: 31180

Ion Ratio Lower Upper

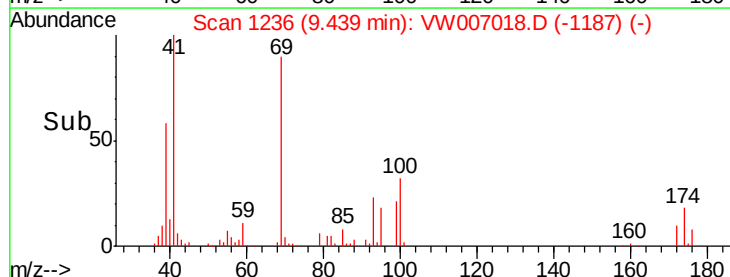
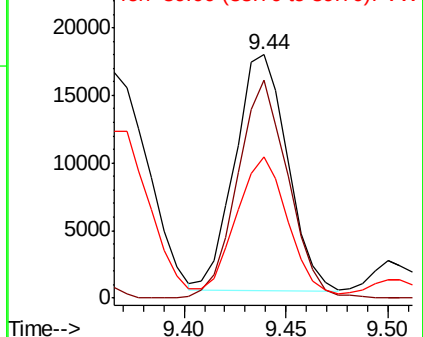
41 100

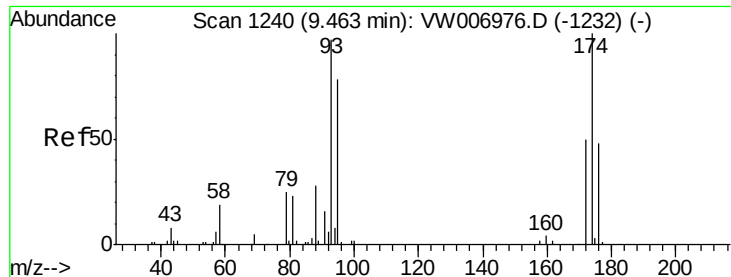
69 89.3 71.4 107.0

39 60.7 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

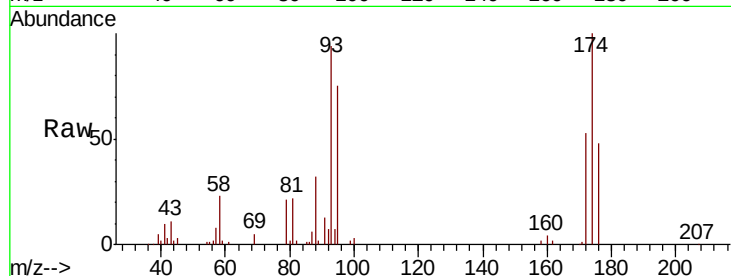




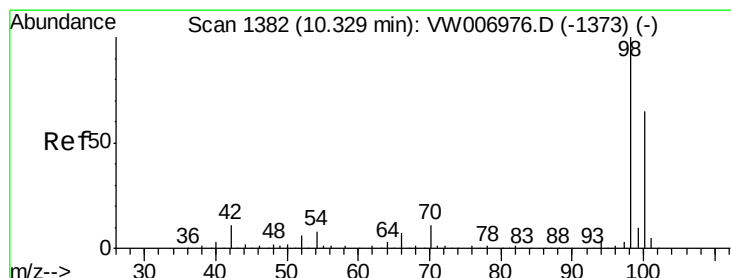
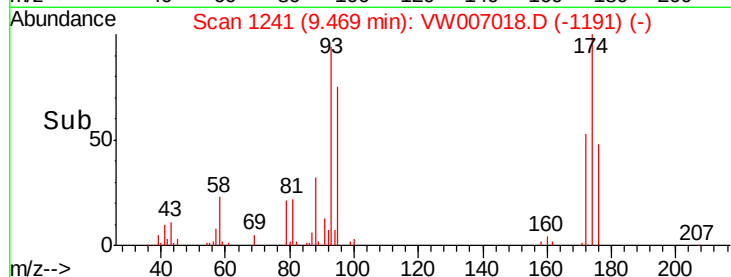
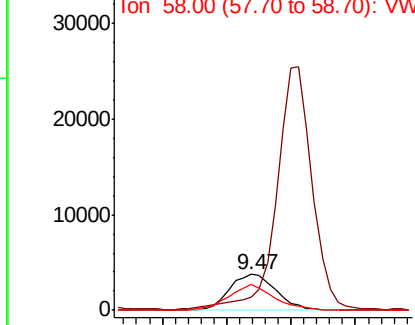
#49
1,4-Dioxane
Concen: 1164.803 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9532
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 69.8 59.0 88.6

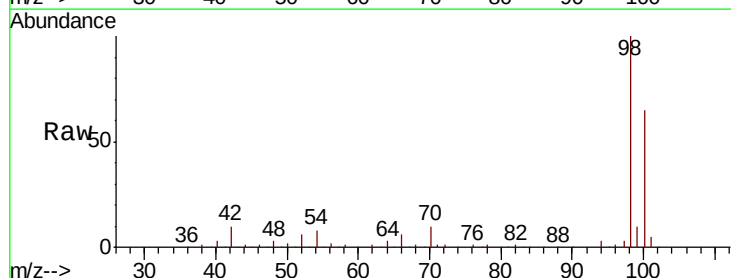


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

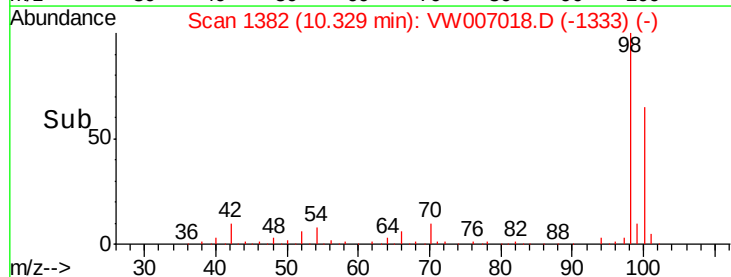
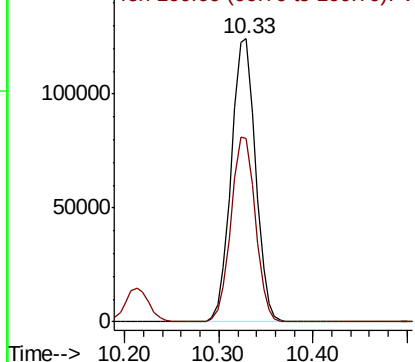


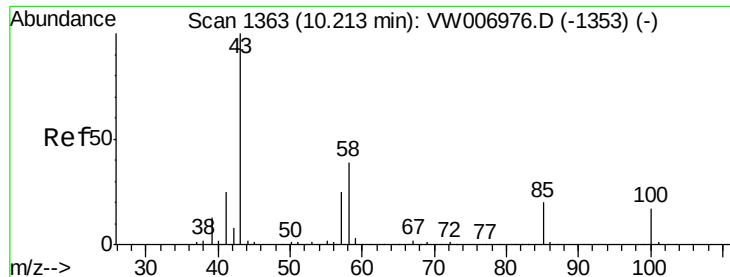
#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 98 Resp: 222801
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2



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

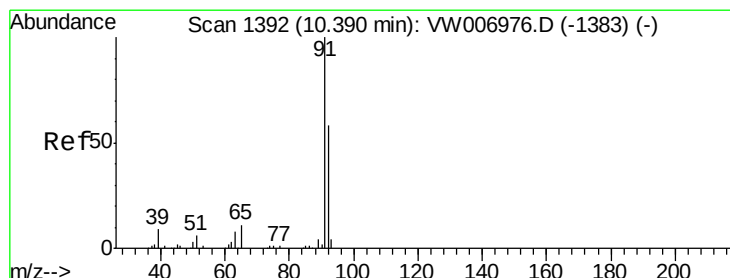
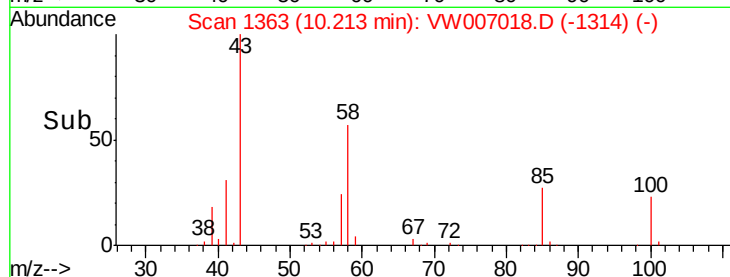
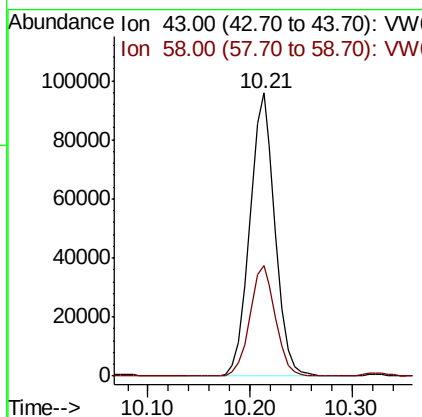
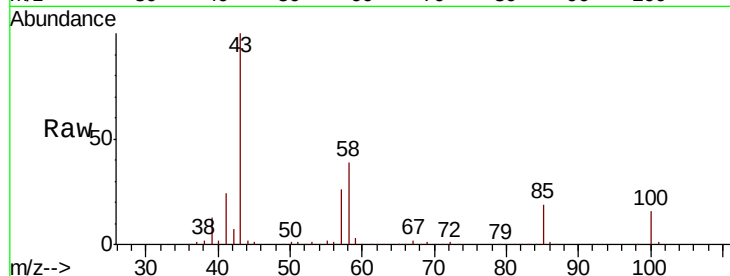




#51
4-Methyl-2-Pentanone
Concen: 285.890 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

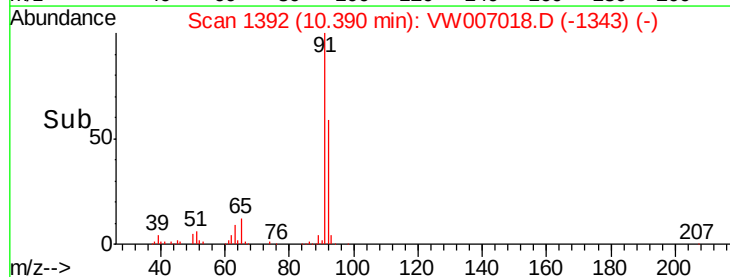
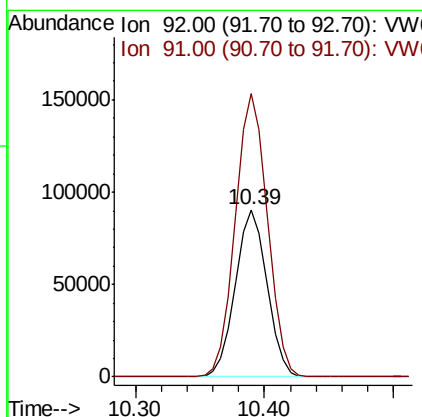
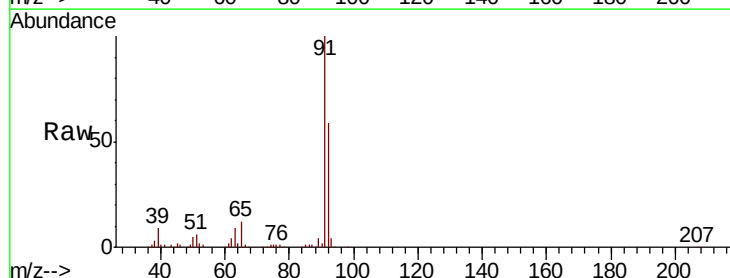
Instrument :
MSVOA_W
ClientSampled :

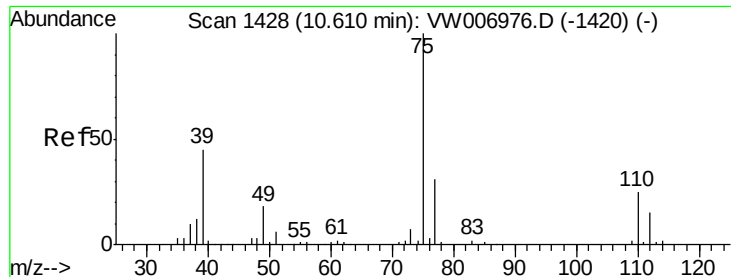
Tot Ion: 43 Resp: 164848
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6



#52
Toluene
Concen: 50.836 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 92 Resp: 154301
Ion Ratio Lower Upper
92 100
91 171.9 137.3 205.9

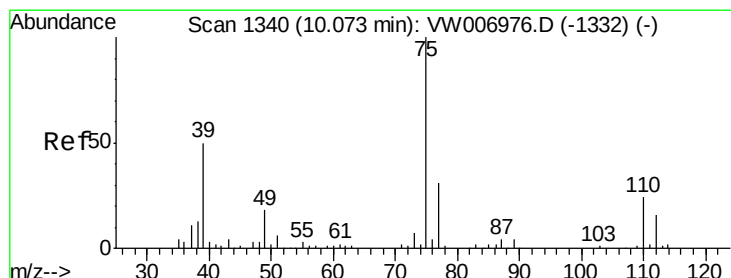
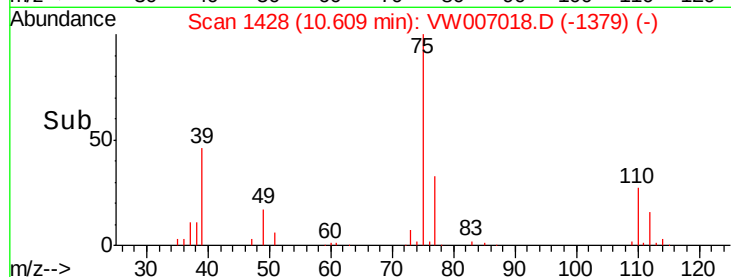
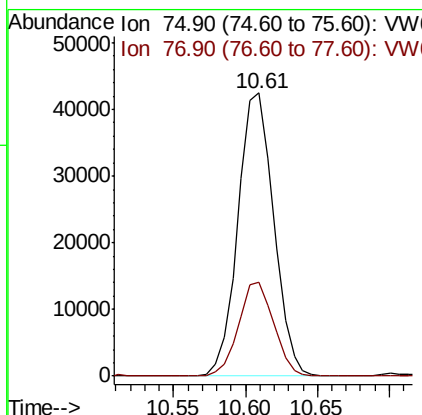
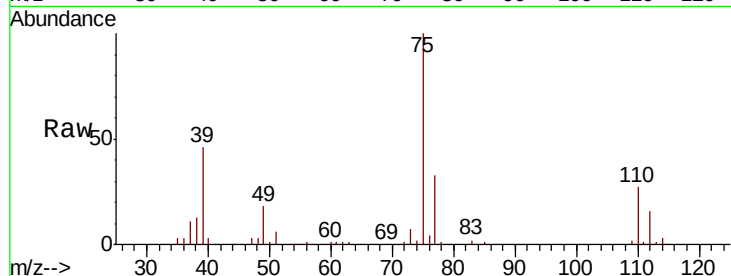




#53
 t-1,3-Dichloropropene
 Concen: 52.141 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

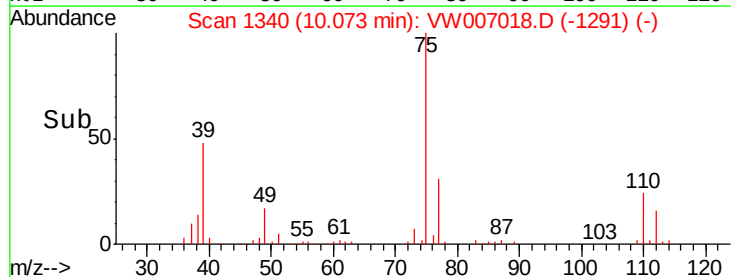
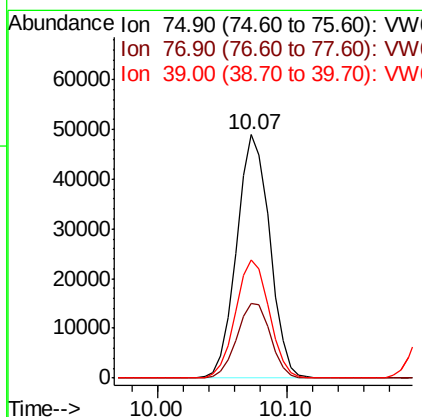
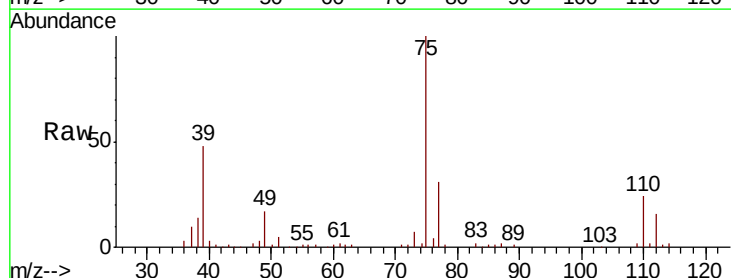
Instrument :
 MSVOA_W
 ClientSampleId :

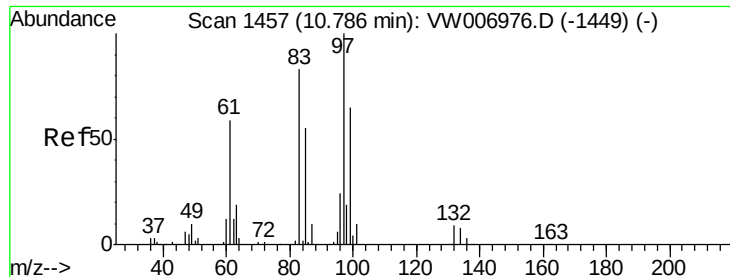
Tot Ion: 75 Resp: 73270
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 51.292 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 75 Resp: 87079
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.6
 39 48.4 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 52.065 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

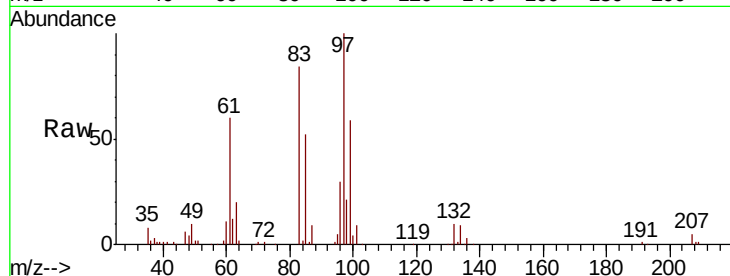
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 42175

Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.4	99.6
85	52.3	44.1	66.1
99	59.6	51.7	77.5



Abundance

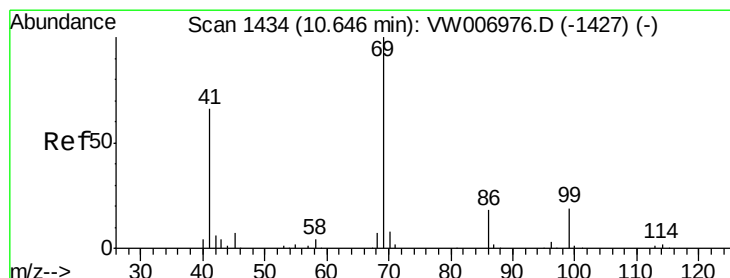
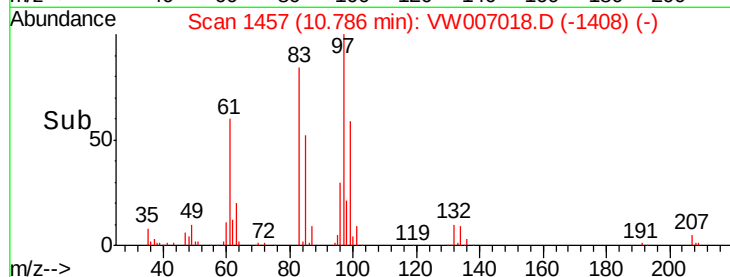
Ion 96.90 (96.60 to 97.60): VW

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

Time-->



#56

Ethyl methacrylate

Concen: 58.851 ug/l

RT: 10.65 min Scan# 1434

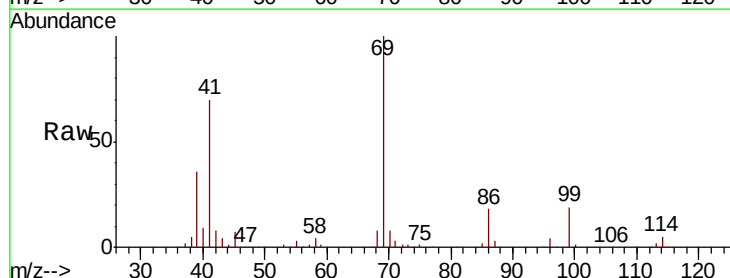
Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion: 69 Resp: 55337

Ion	Ratio	Lower	Upper
69	100		
41	64.8	53.4	80.0
39	34.2	28.2	42.4



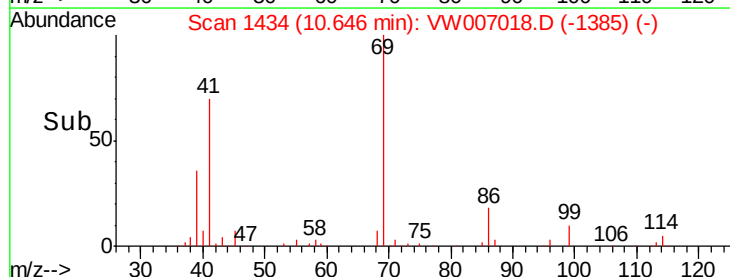
Abundance

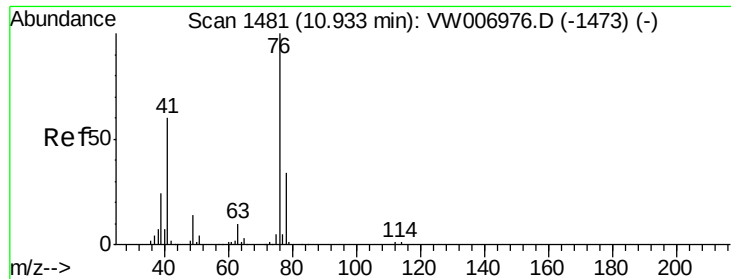
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

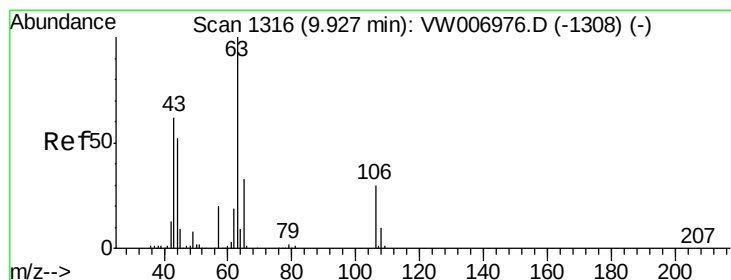
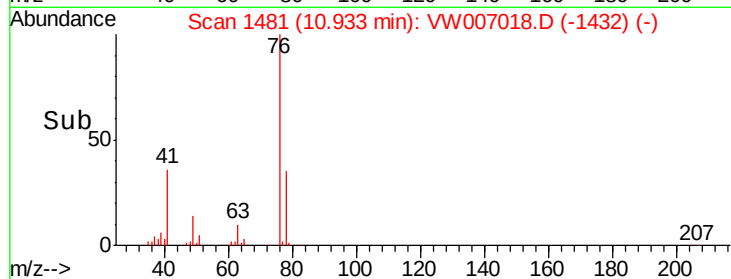
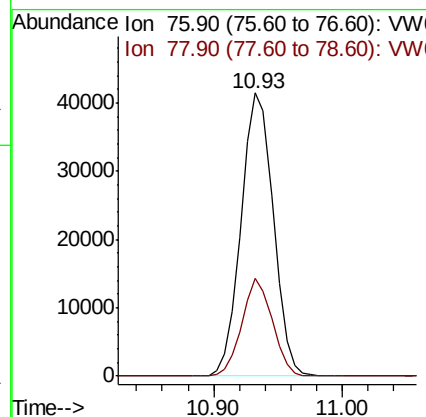
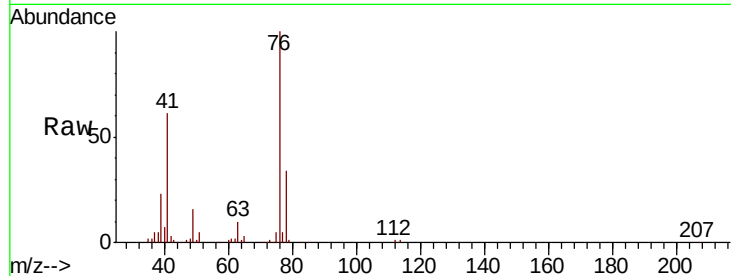




#57
 1,3-Dichloropropane
 Concen: 52.860 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

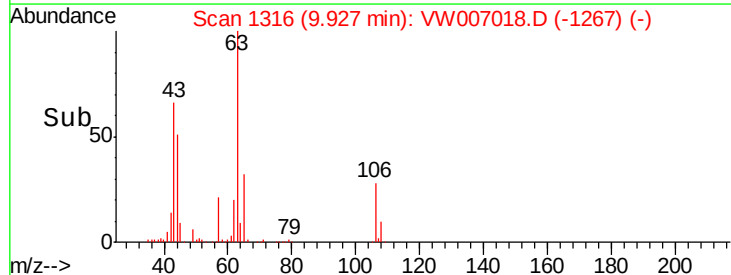
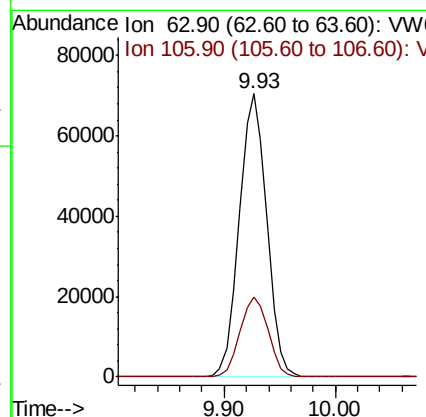
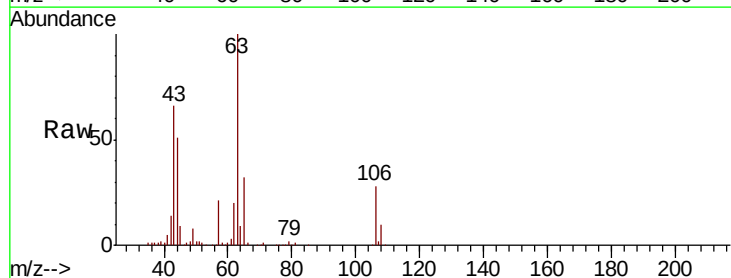
Instrument :
 MSVOA_W
 ClientSampled :

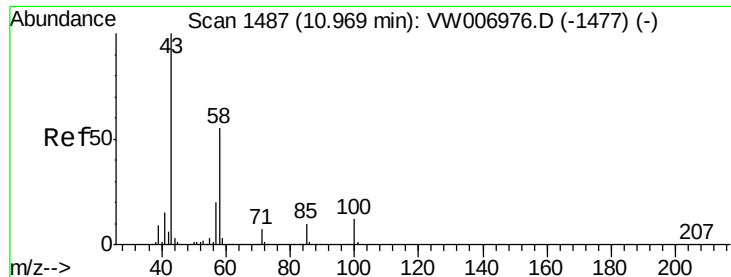
Tot Ion: 76 Resp: 71758
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.308 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 63 Resp: 120041
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.5 35.3

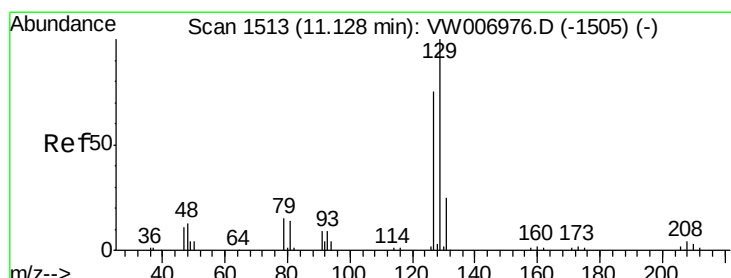
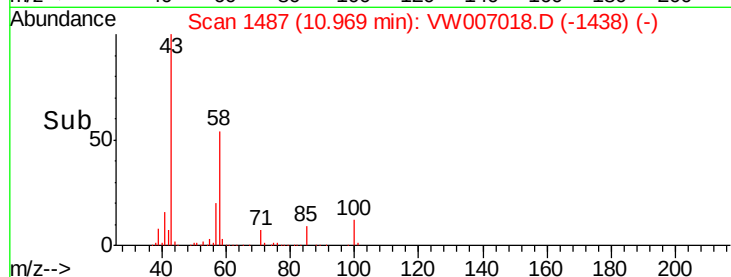
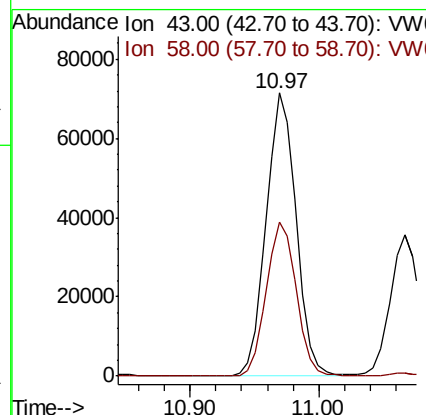
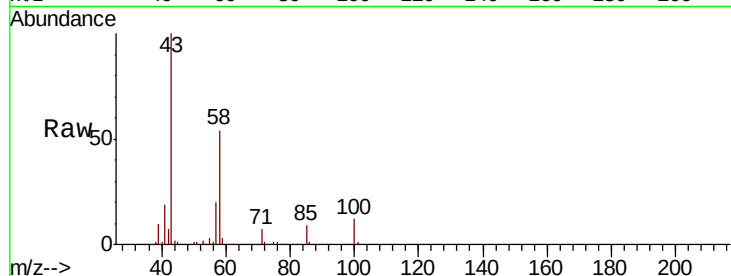




#59
2-Hexanone
Concen: 292.104 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

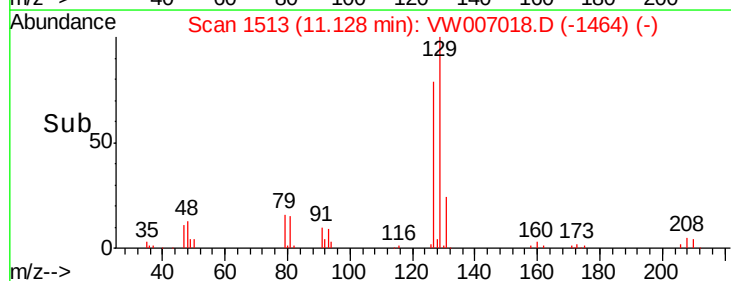
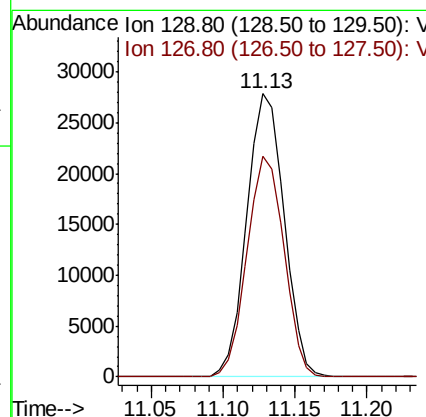
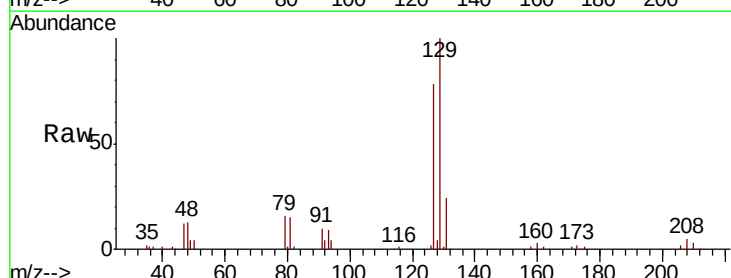
Instrument :
MSVOA_W
ClientSampled :

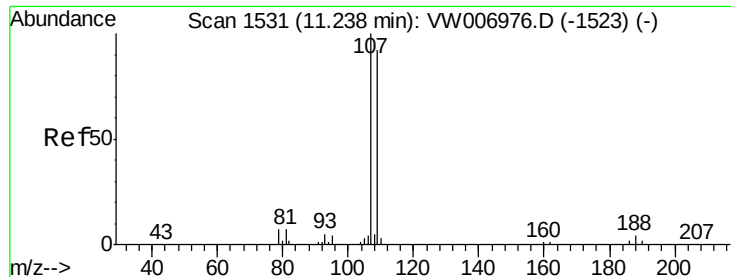
Tot Ion: 43 Resp: 115340
Ion Ratio Lower Upper
43 100
58 54.7 27.3 81.8



#60
Dibromochloromethane
Concen: 54.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion: 129 Resp: 50056
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 54.311 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

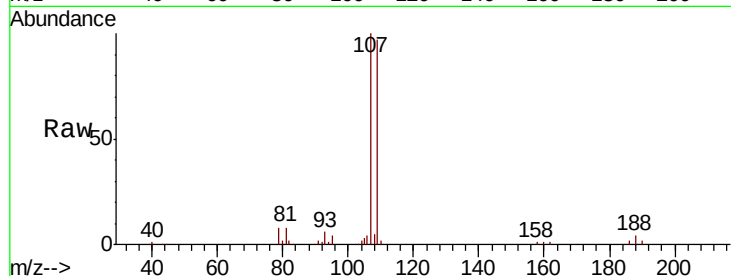
ClientSampled :

Tot Ion:107 Resp: 40246

Ion Ratio Lower Upper

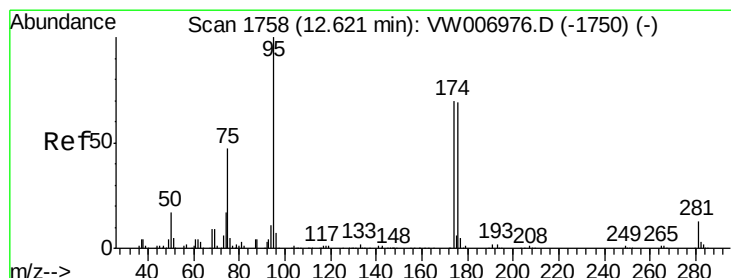
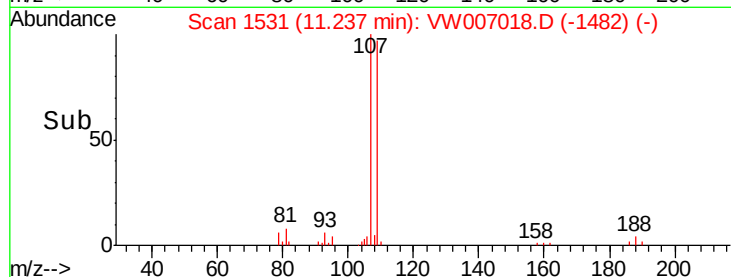
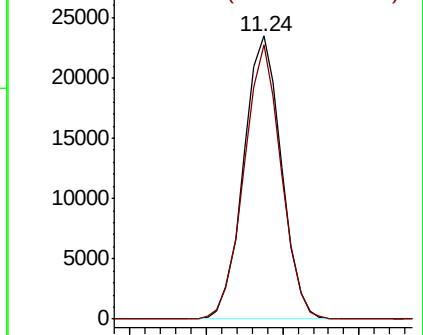
107 100

109 95.4 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.889 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

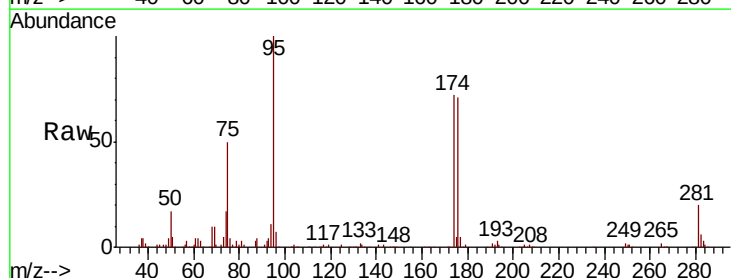
Tgt Ion: 95 Resp: 87756

Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.6

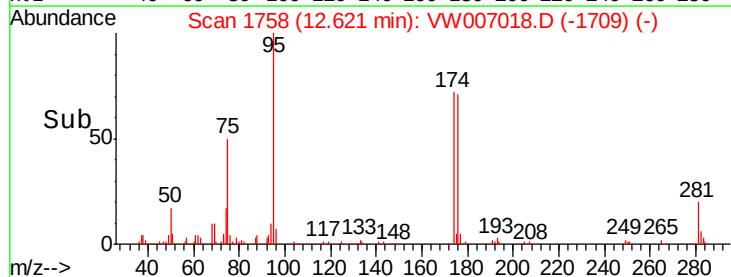
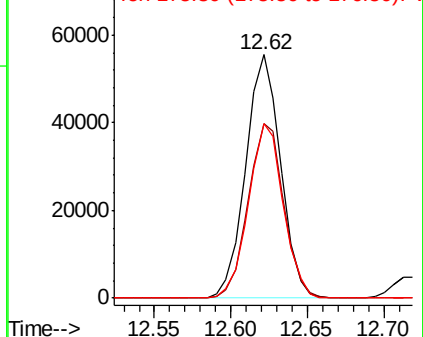
176 71.7 0.0 140.4

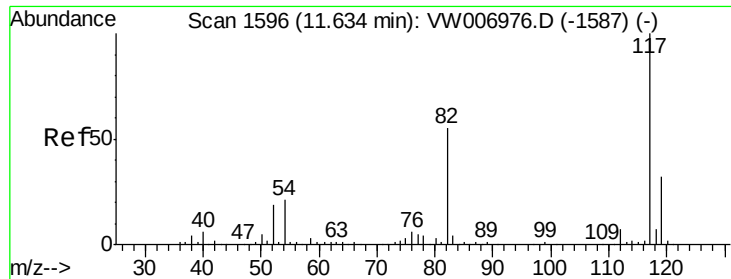


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

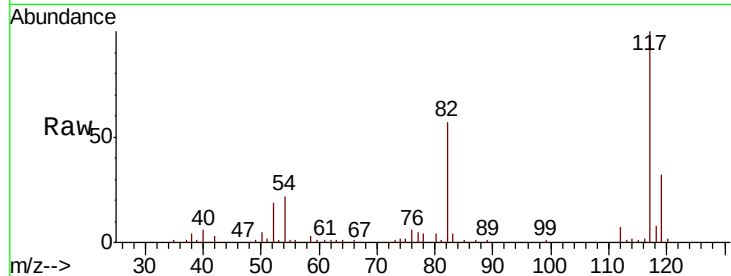




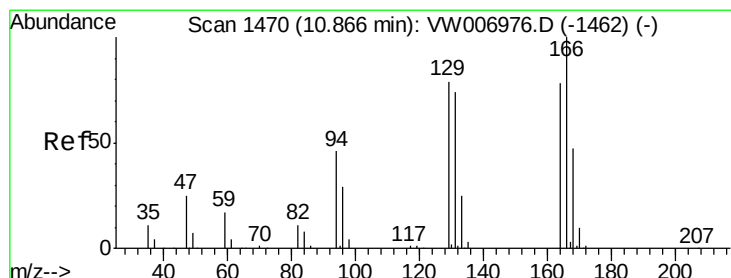
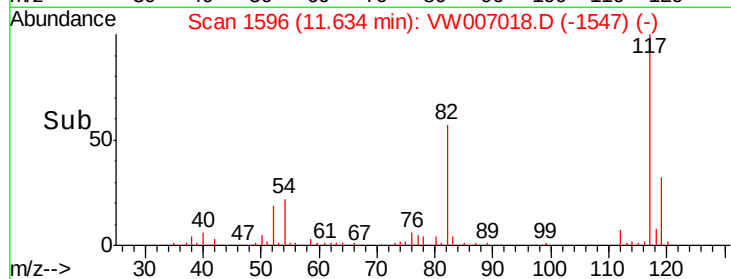
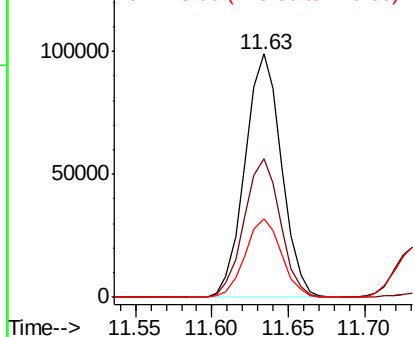
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 164601
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 32.2 25.9 38.9

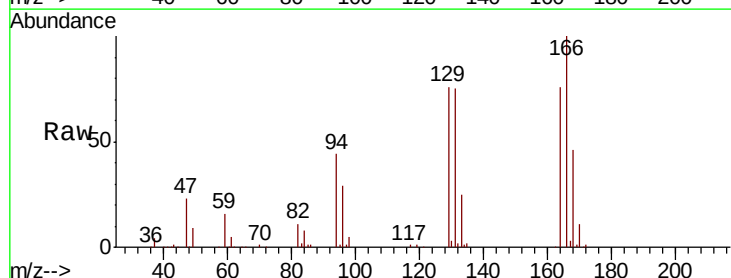


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

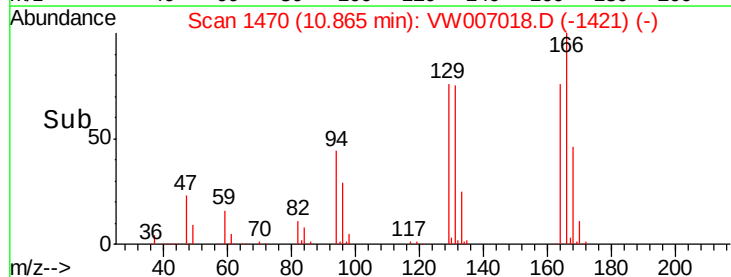
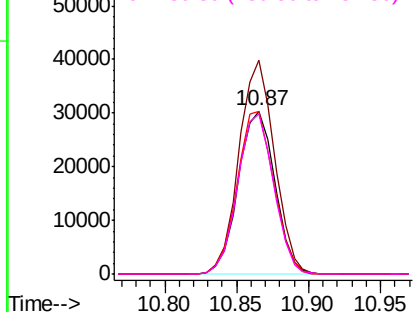


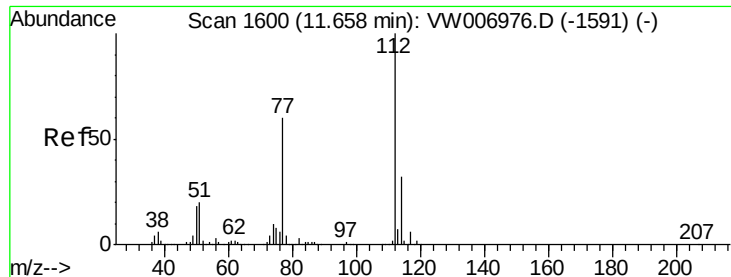
#64
Tetrachloroethene
Concen: 50.453 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:164 Resp: 53425
Ion Ratio Lower Upper
164 100
166 131.1 102.1 153.1
129 100.2 80.4 120.6
131 98.1 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

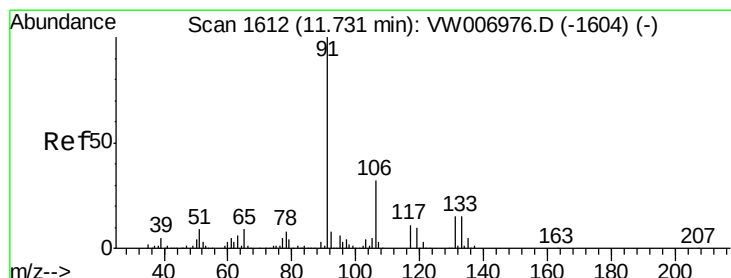
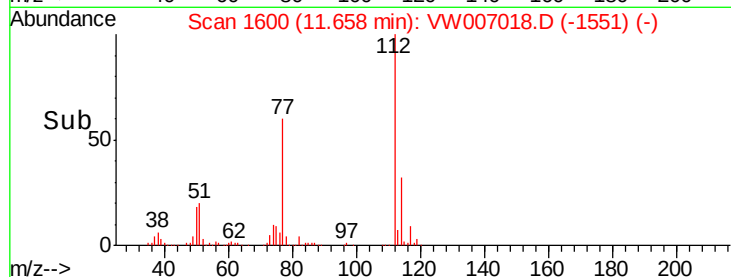
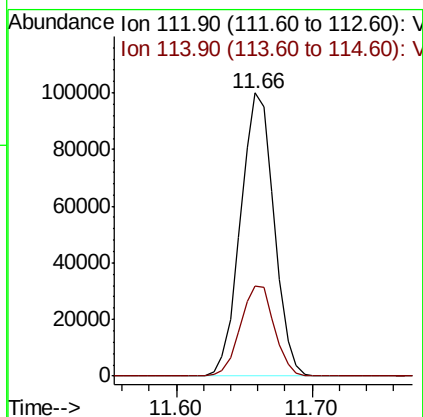
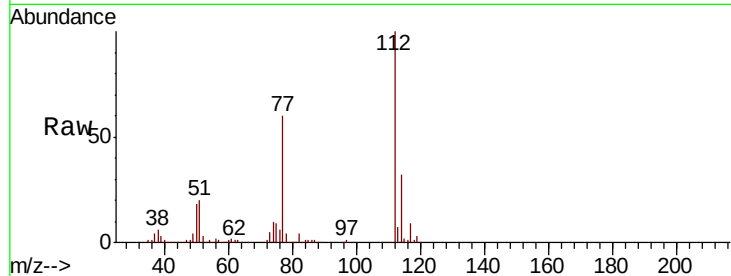




#65
Chlorobenzene
Concen: 50.049 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

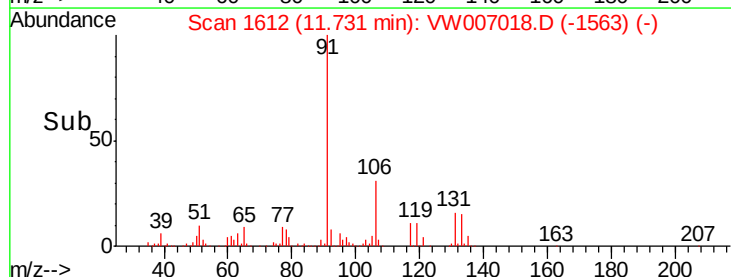
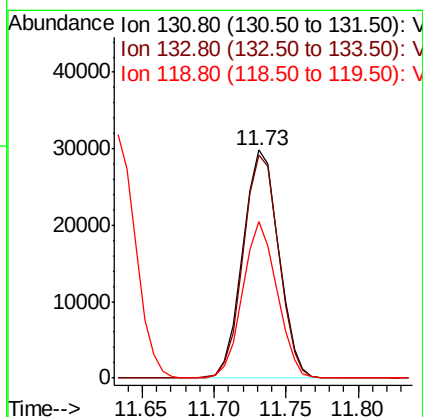
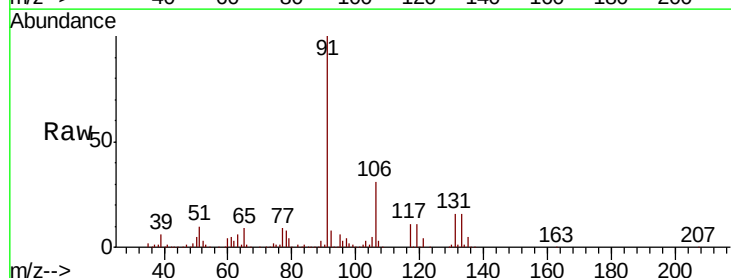
Instrument :
MSVOA_W
ClientSampleId :

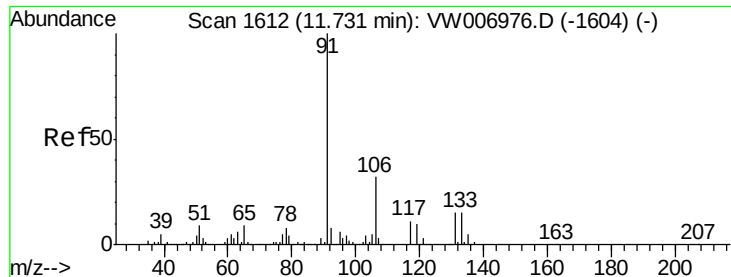
Tot Ion:112 Resp: 171942
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.475 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:131 Resp: 51417
Ion Ratio Lower Upper
131 100
133 96.9 47.7 143.1
119 65.9 31.8 95.3

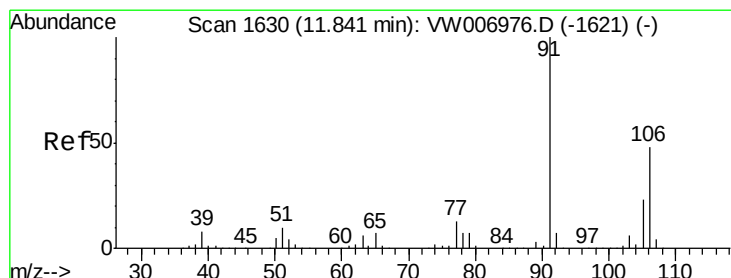
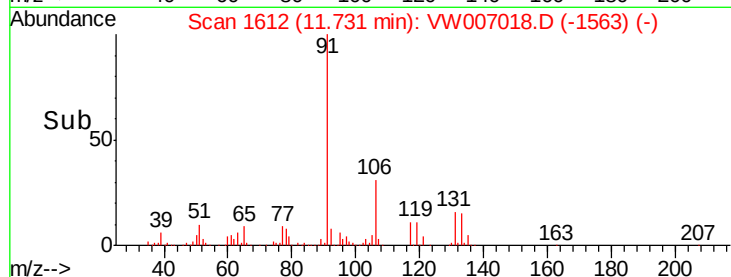
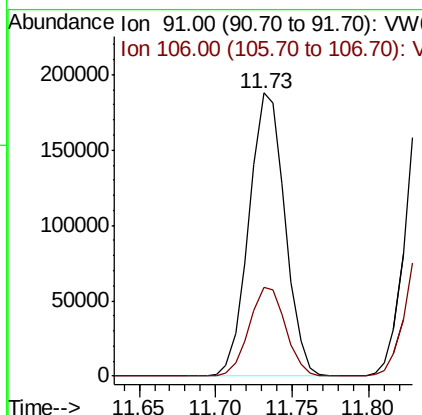
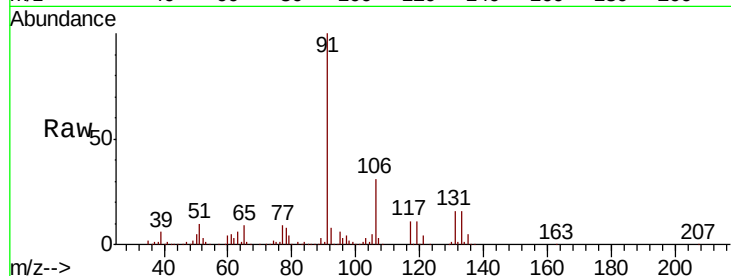




#67
Ethyl Benzene
Concen: 48.859 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

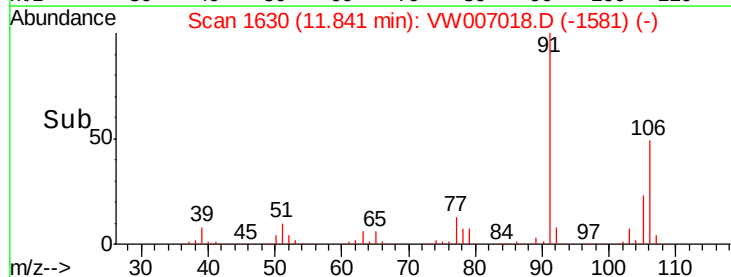
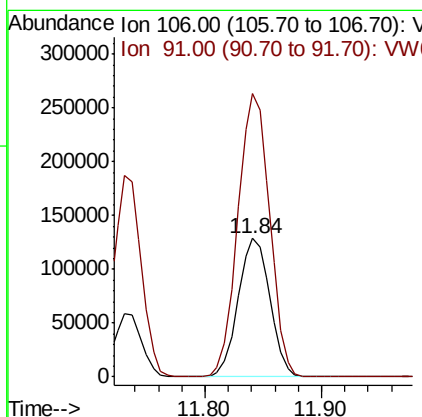
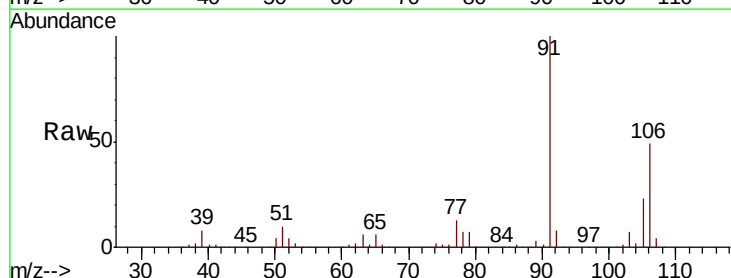
Instrument :
MSVOA_W
ClientSampled :

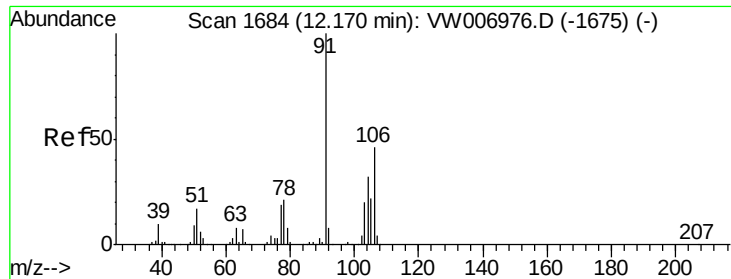
Tot Ion: 91 Resp: 308354
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2



#68
m/p-Xylenes
Concen: 98.718 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:106 Resp: 244431
Ion Ratio Lower Upper
106 100
91 205.5 164.8 247.2

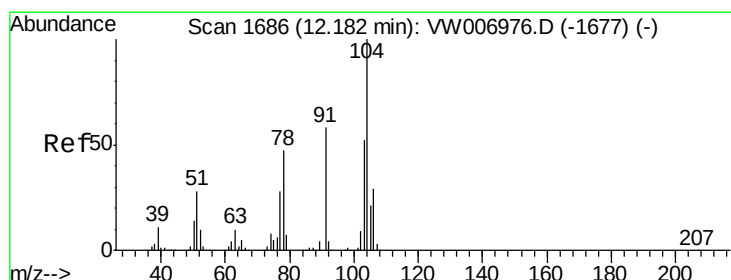
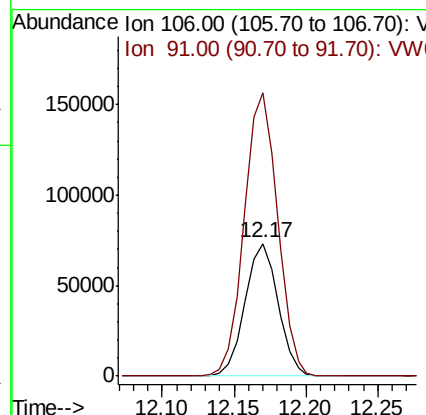
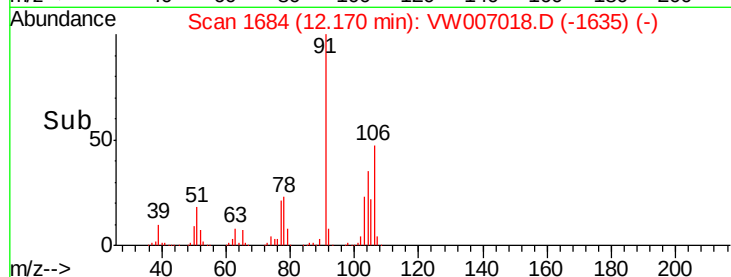
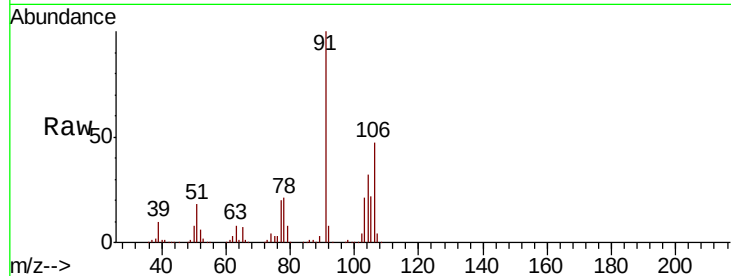




#69
o-Xylene
Concen: 49.809 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

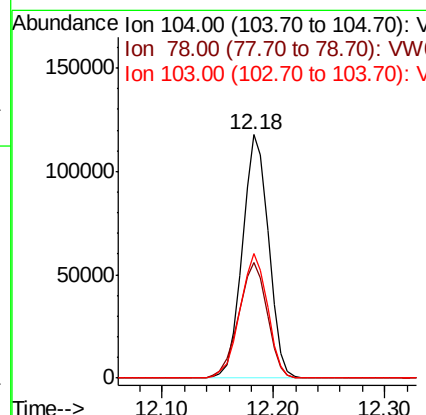
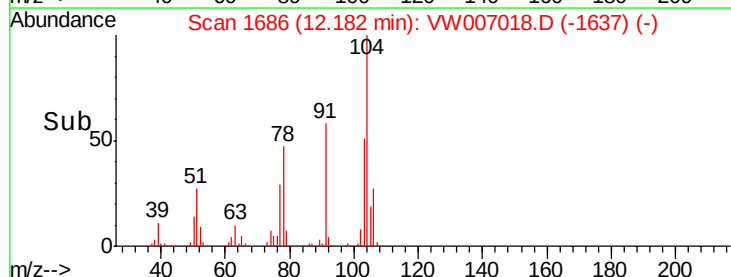
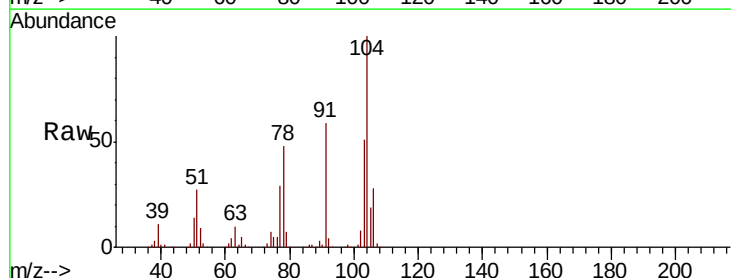
Instrument :
MSVOA_W
ClientSampled :

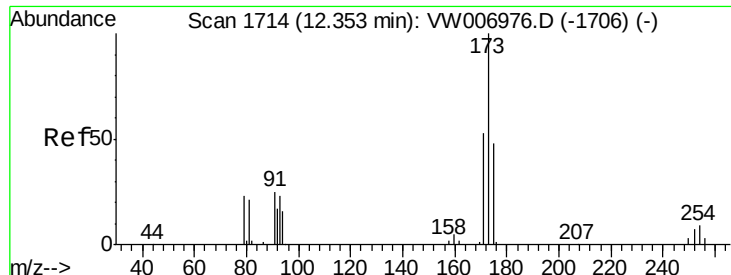
Tot Ion:106 Resp: 116291
Ion Ratio Lower Upper
106 100
91 216.2 107.9 323.8



#70
Styrene
Concen: 51.466 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:104 Resp: 191244
Ion Ratio Lower Upper
104 100
78 51.8 41.8 62.8
103 54.2 44.4 66.6





#71

Bromoform

Concen: 54.135 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

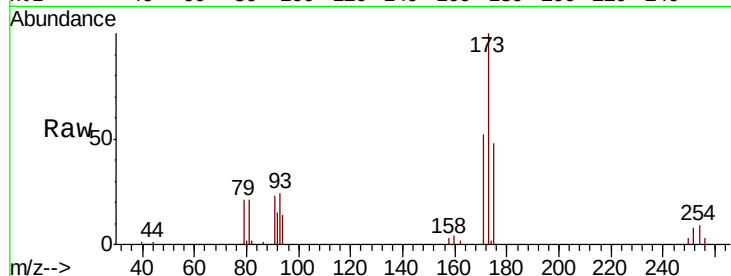
Tot Ion:173 Resp: 26503

Ion Ratio Lower Upper

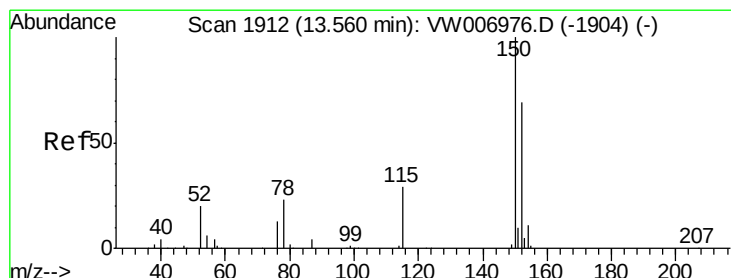
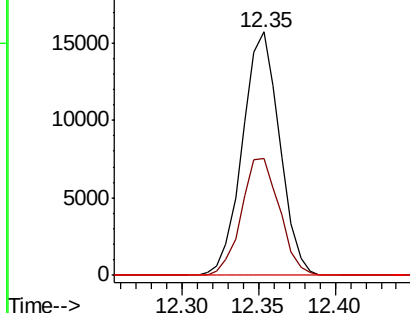
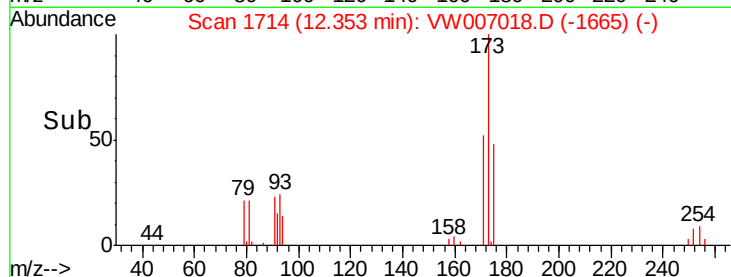
173 100

175 49.0 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: VW007018.D

Acq: 22 Nov 2018 00:45

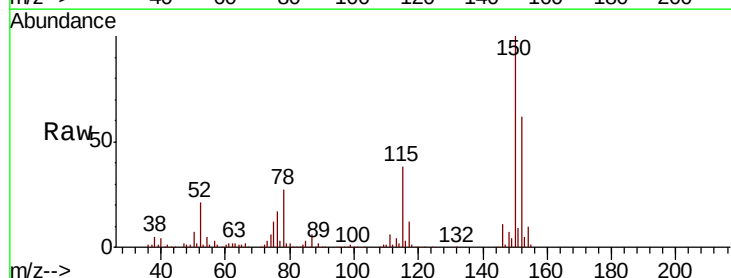
Tgt Ion:152 Resp: 83109

Ion Ratio Lower Upper

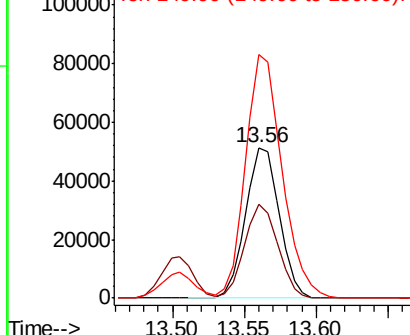
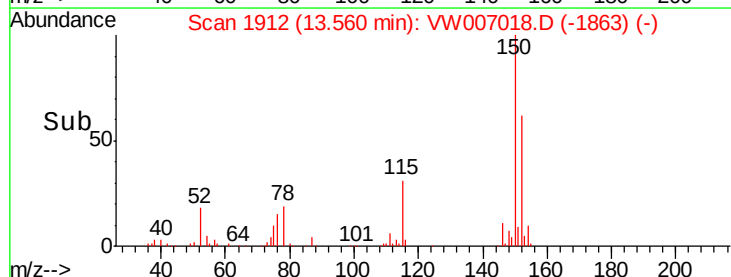
152 100

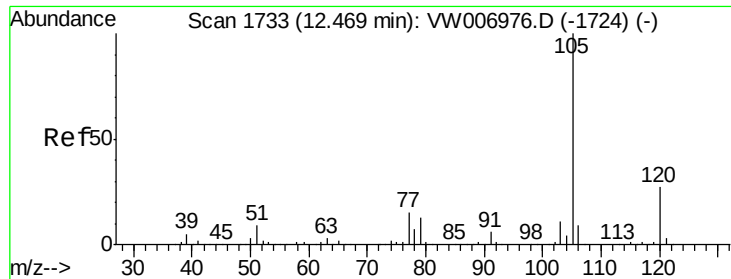
115 61.6 31.4 94.2

150 174.8 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: 48.418 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

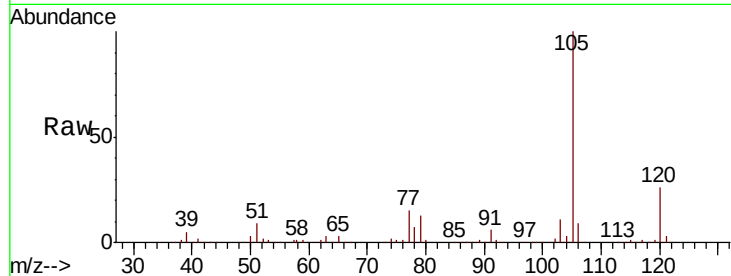
ClientSampleId :

Tot Ion:105 Resp: 312739

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

200000

150000

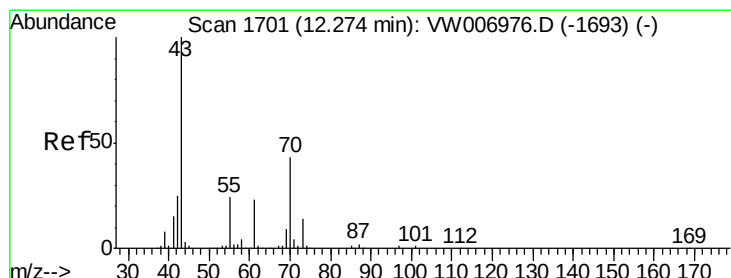
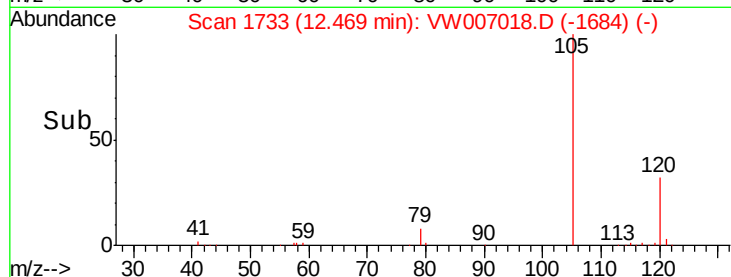
100000

50000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 57.436 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Tgt Ion: 43 Resp: 62177

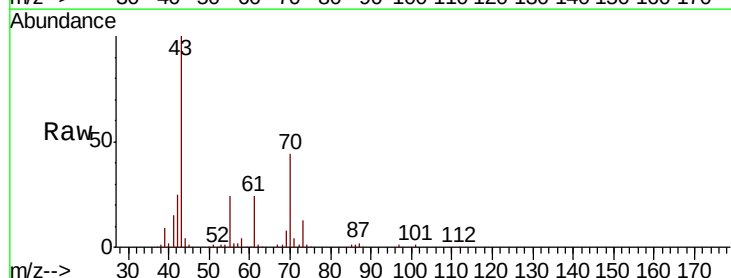
Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 24.6 19.4 29.0

61 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

60000

50000

40000

30000

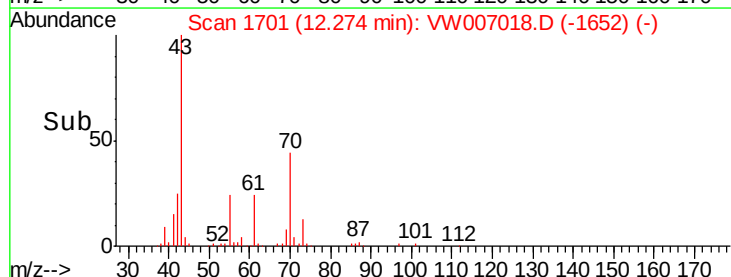
20000

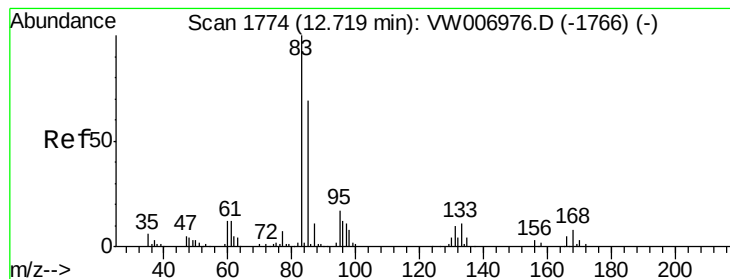
10000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.649 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

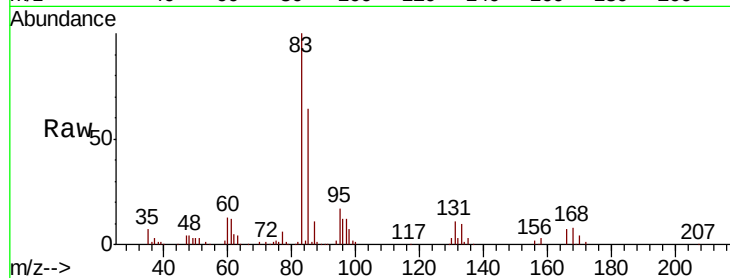
Tot Ion: 83 Resp: 46117

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.1

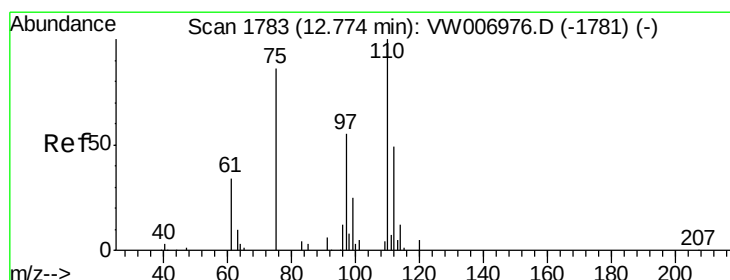
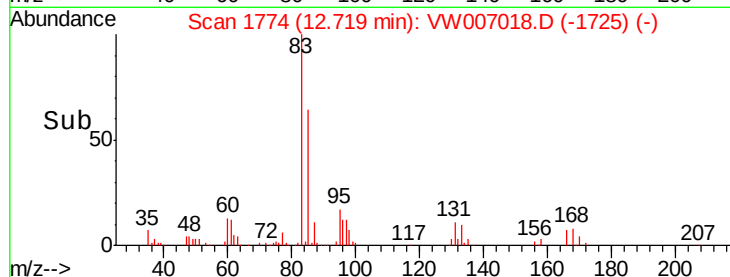
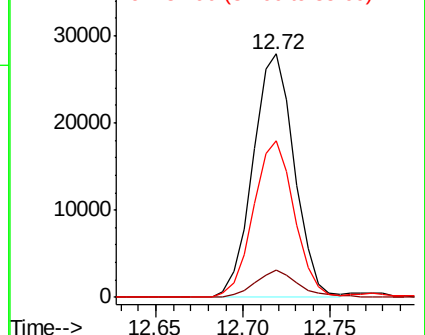
85 63.7 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 96.399 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007018.D

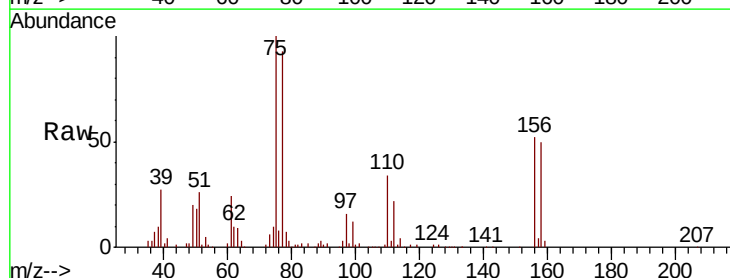
Acq: 22 Nov 2018 00:45

Tgt Ion: 75 Resp: 62955

Ion Ratio Lower Upper

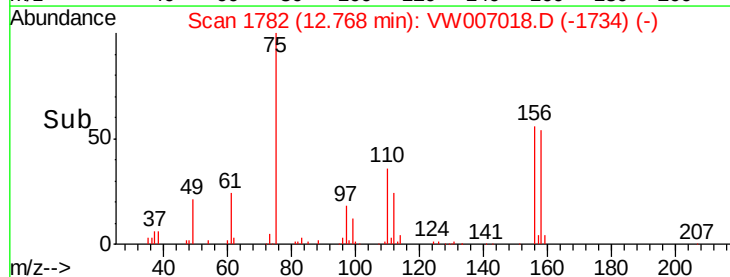
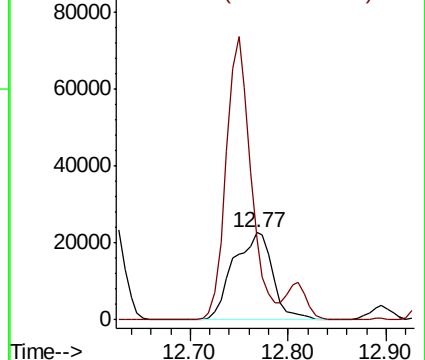
75 100

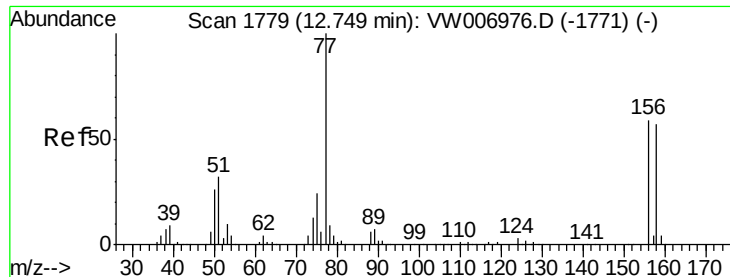
77 208.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.018 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

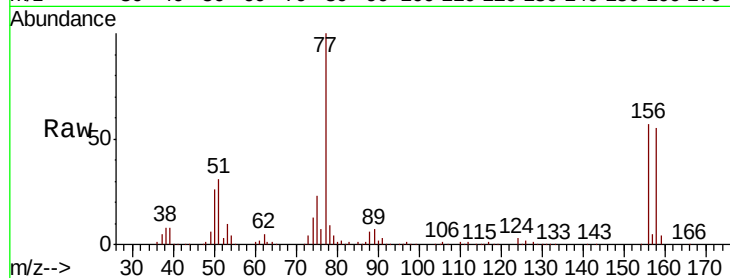
Tot Ion:156 Resp: 69390

Ion Ratio Lower Upper

156 100

77 189.0 94.6 283.8

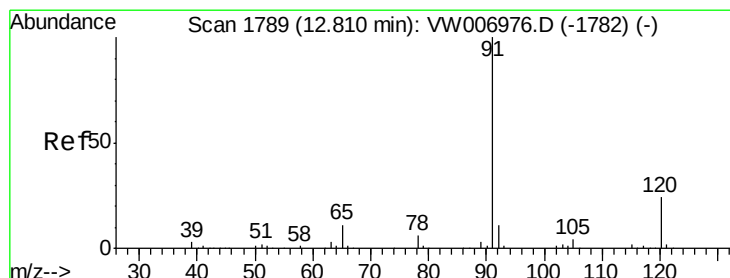
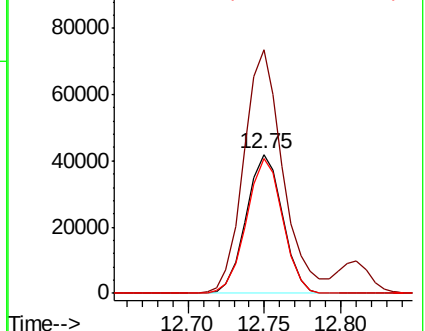
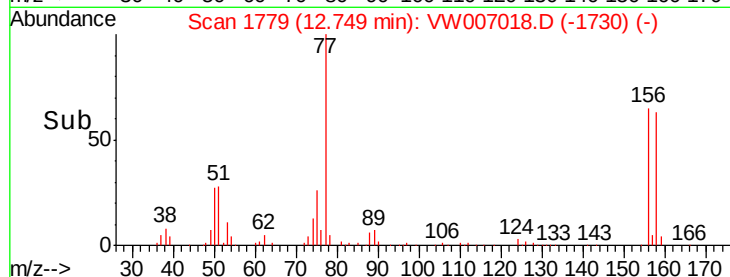
158 96.4 48.9 146.7



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: 47.521 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007018.D

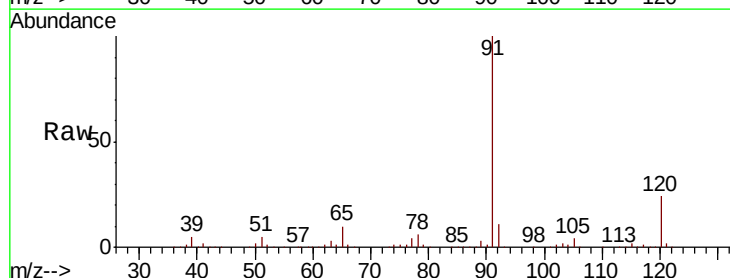
Acq: 22 Nov 2018 00:45

Tgt Ion: 91 Resp: 371805

Ion Ratio Lower Upper

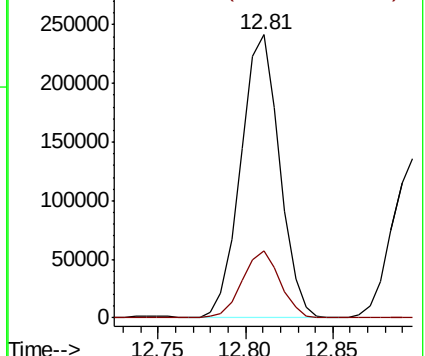
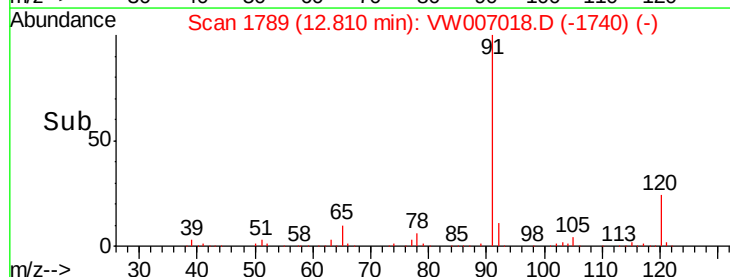
91 100

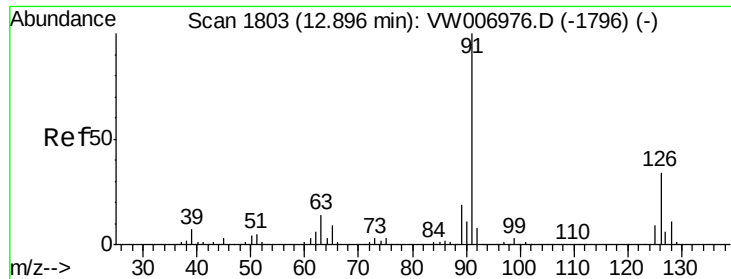
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

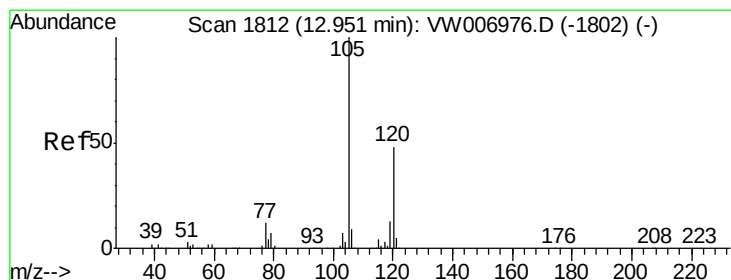
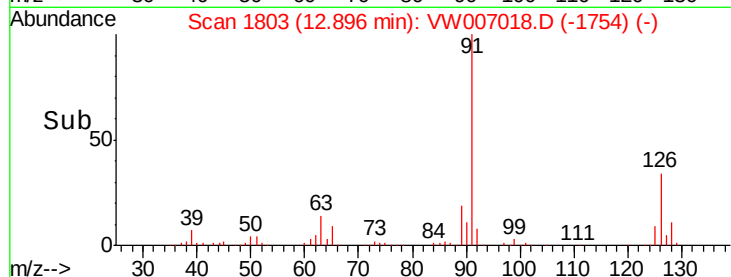
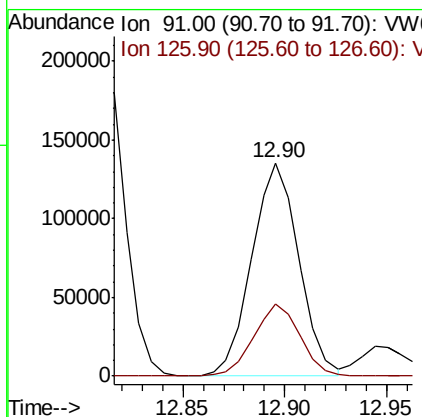
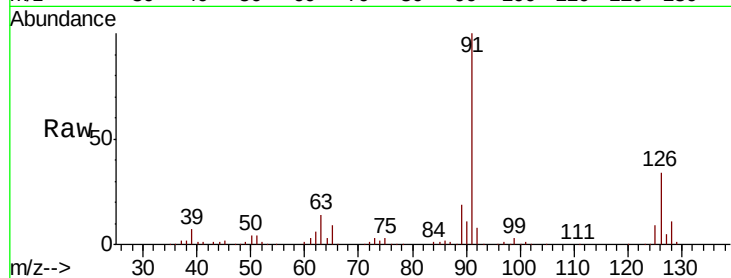




#79
 2-Chlorotoluene
 Concen: 48.147 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

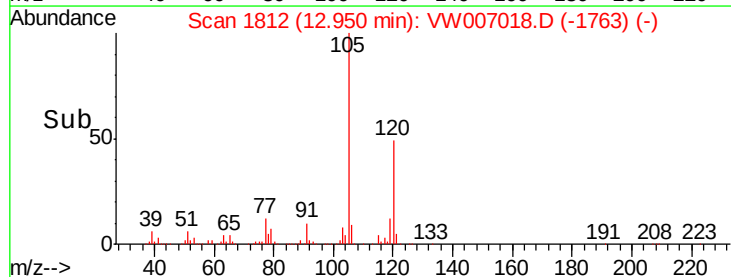
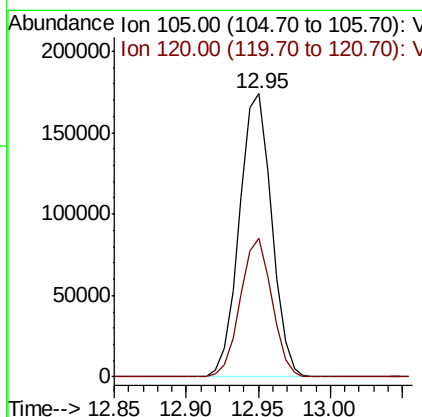
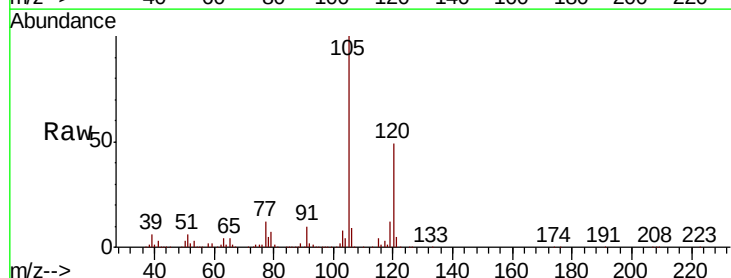
Instrument :
 MSVOA_W
 ClientSampled :

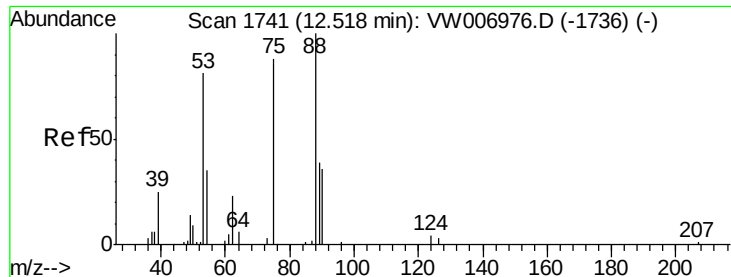
Tot Ion: 91 Resp: 217202
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 48.535 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 105 Resp: 271092
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.2

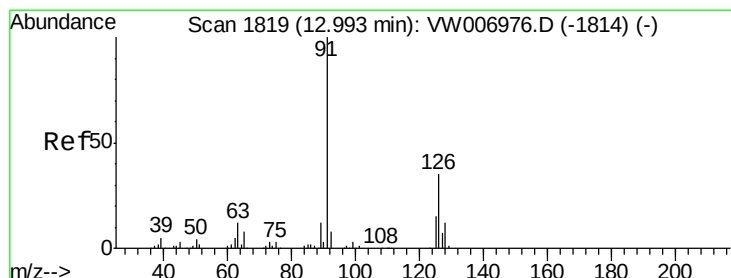
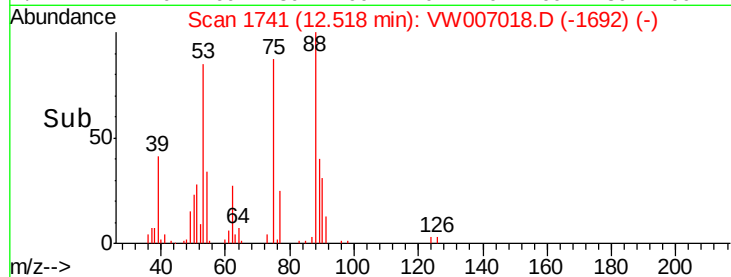
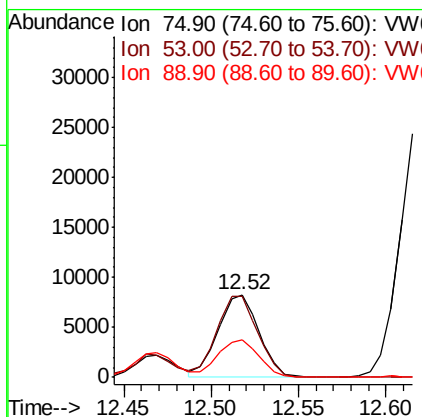
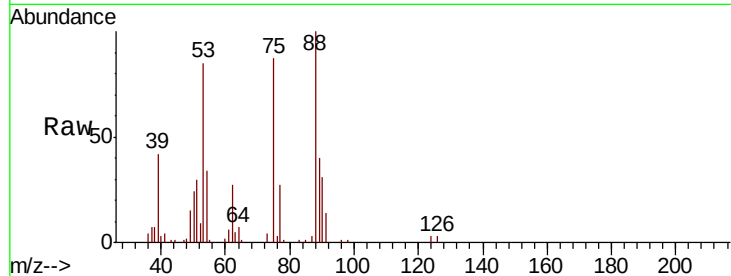




#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.914 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

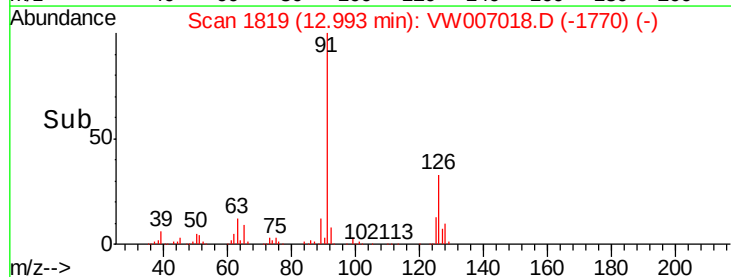
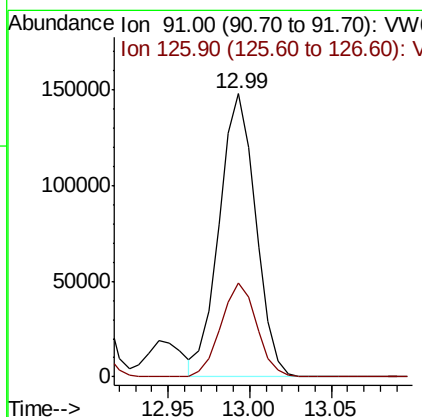
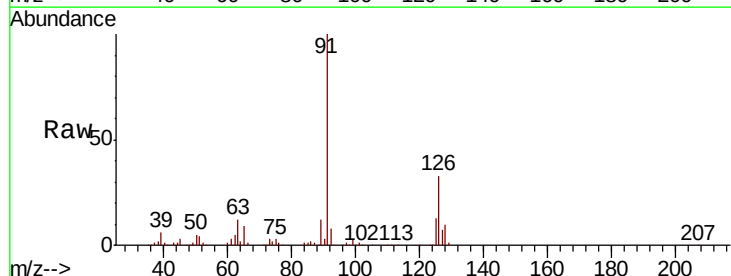
Instrument :
 MSVOA_W
 ClientSampled :

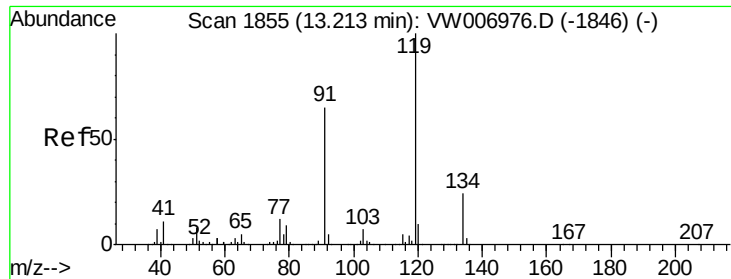
Tot Ion: 75 Resp: 13504
 Ion Ratio Lower Upper
 75 100
 53 98.3 77.6 116.4
 89 44.5 39.3 58.9



#82
 4-Chlorotoluene
 Concen: 48.822 ug/l
 RT: 12.99 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 91 Resp: 231128
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.7

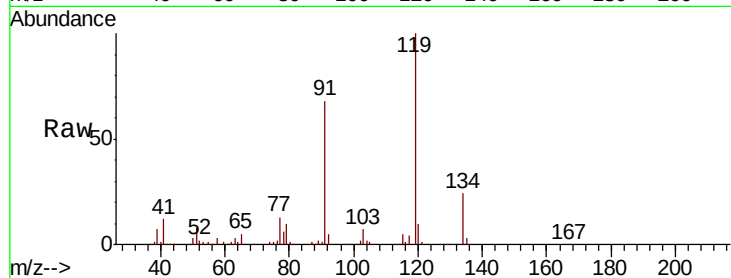




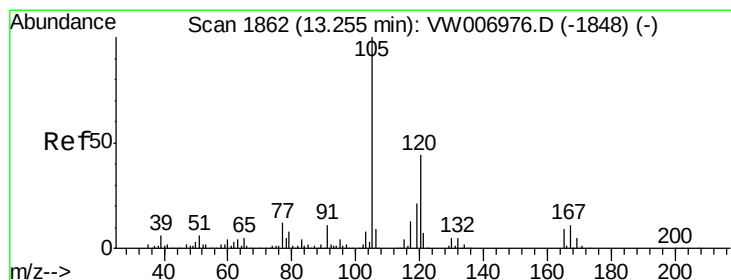
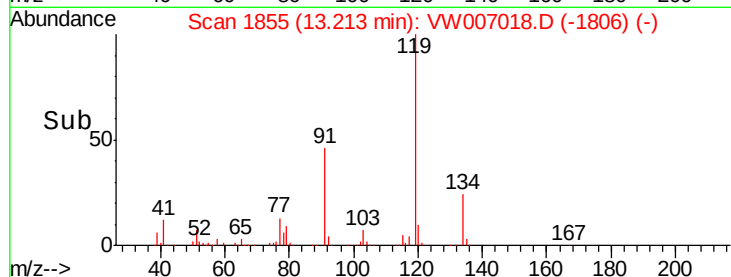
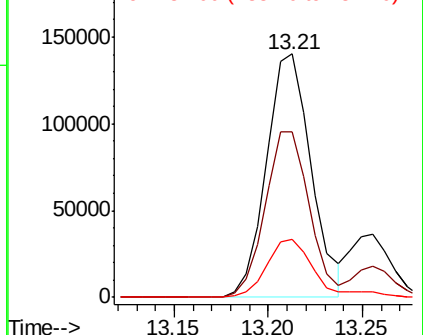
#83
tert-Butylbenzene
Concen: 47.883 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 231554
Ion Ratio Lower Upper
119 100
91 67.2 33.5 100.5
134 25.4 12.6 37.8

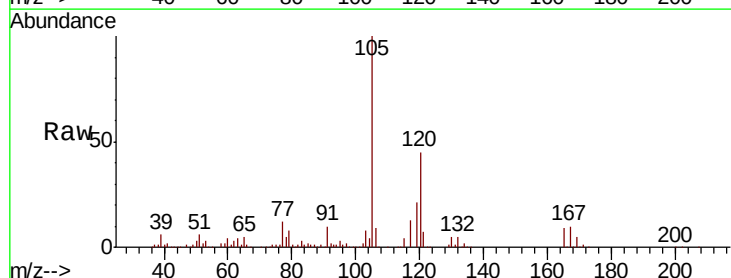


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

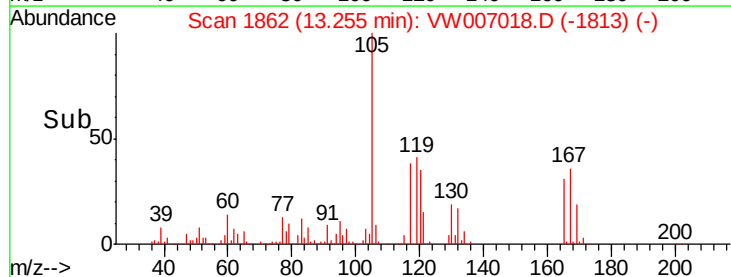
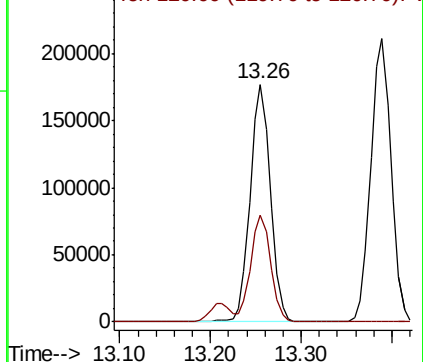


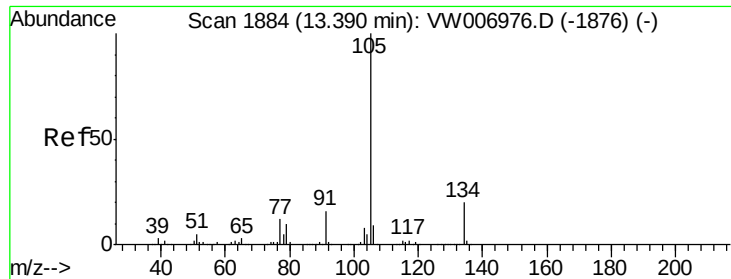
#84
1,2,4-Trimethylbenzene
Concen: 49.275 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:105 Resp: 274210
Ion Ratio Lower Upper
105 100
120 43.7 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: 47.747 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

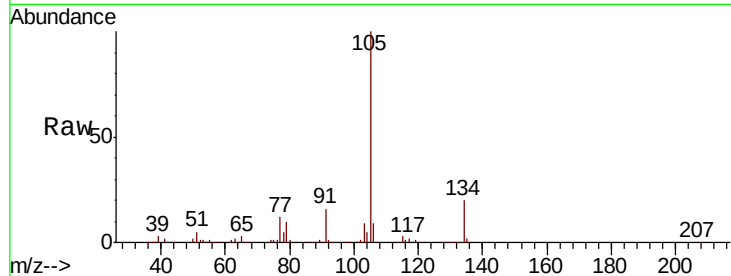
ClientSampleId :

Tot Ion:105 Resp: 326199

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

0

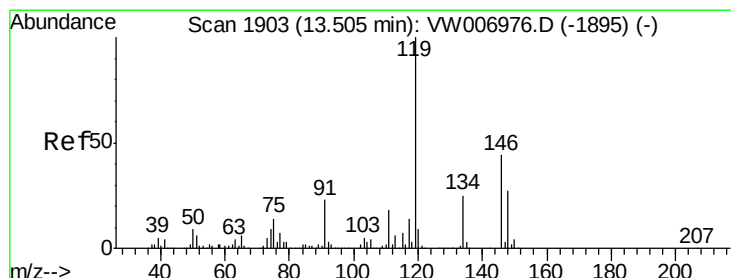
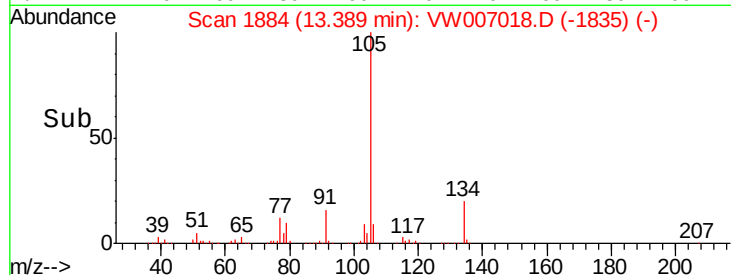
13.39

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 48.302 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

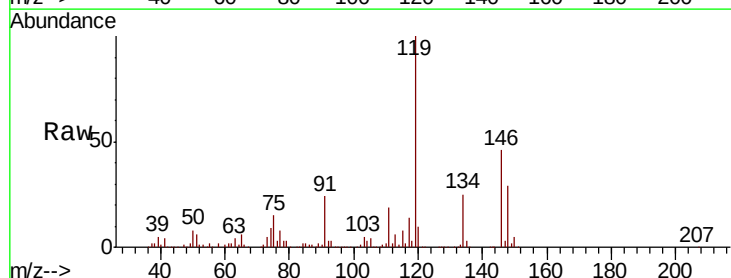
Tgt Ion:119 Resp: 291121

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.3 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

250000

200000

150000

100000

50000

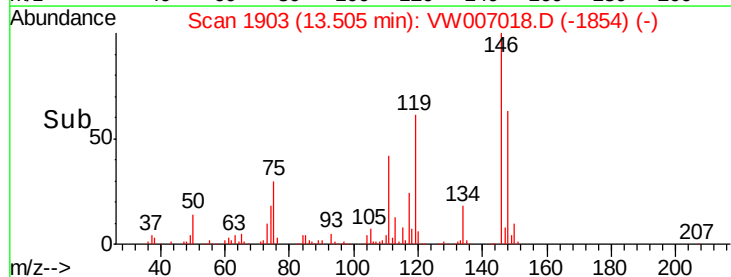
0

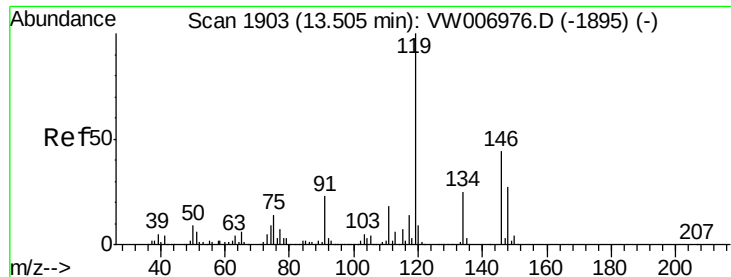
13.51

13.45

13.55

Time-->

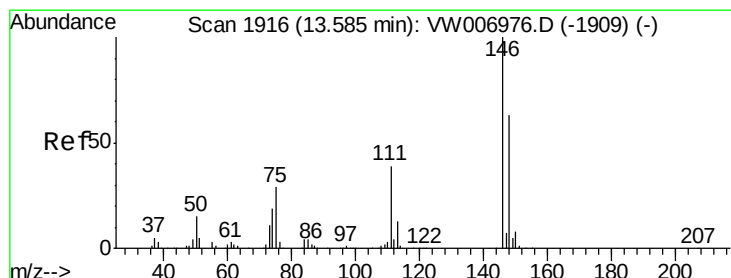
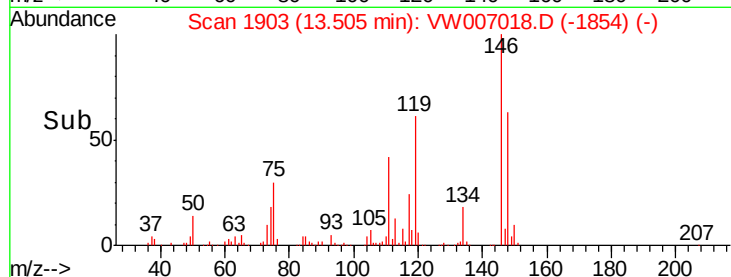
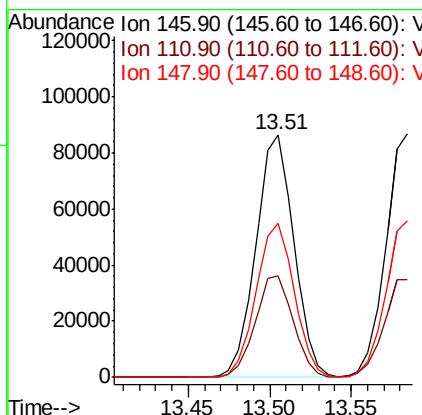
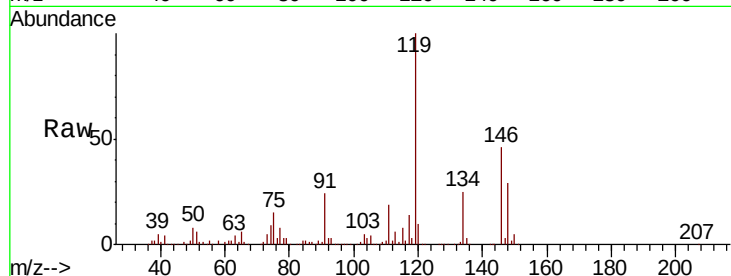




#87
 1,3-Dichlorobenzene
 Concen: 49.261 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

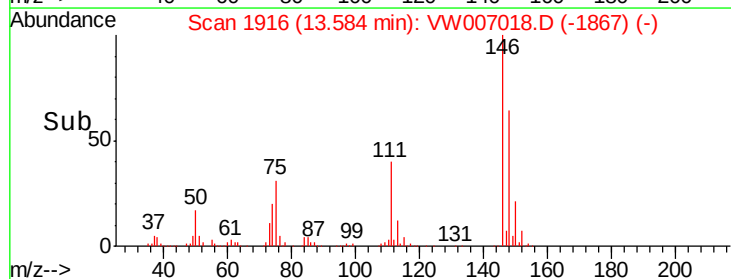
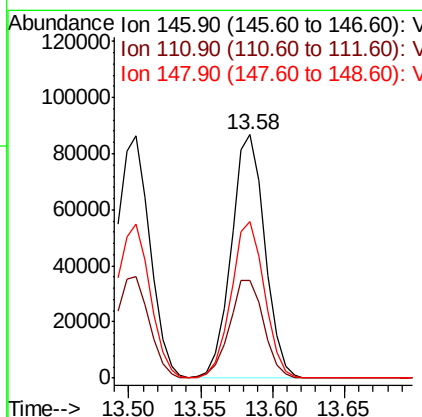
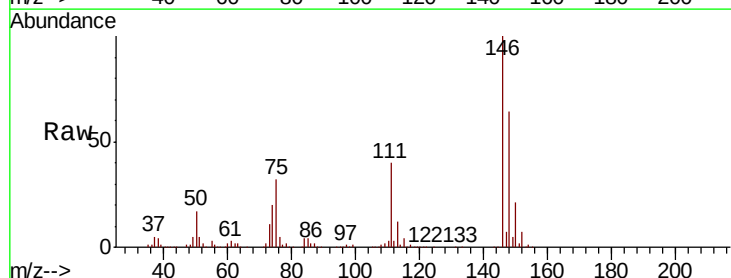
Instrument :
 MSVOA_W
 ClientSampled :

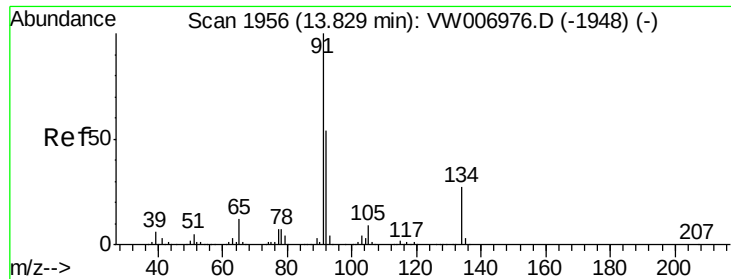
Tot Ion:146 Resp: 139517
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.3
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 49.792 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion:146 Resp: 140604
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.6 61.8
 148 63.8 32.3 96.8





#89

n-Butylbenzene

Concen: 47.917 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007018.D

Acq: 22 Nov 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

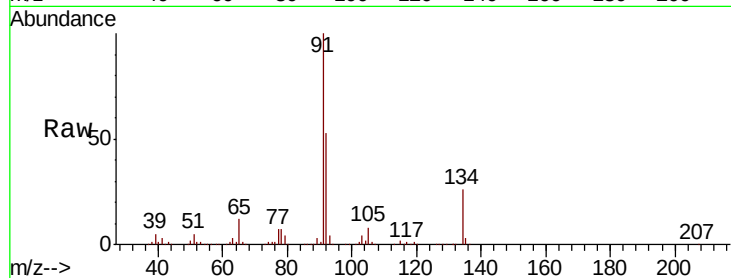
Tot Ion: 91 Resp: 271778

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.4

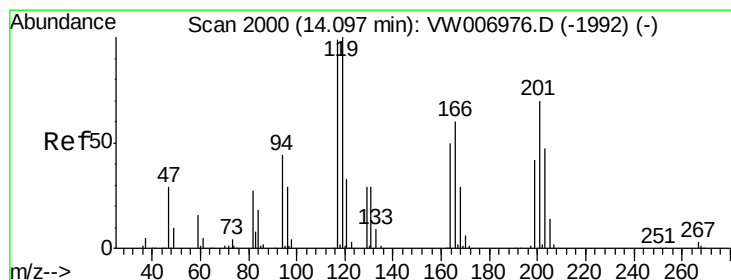
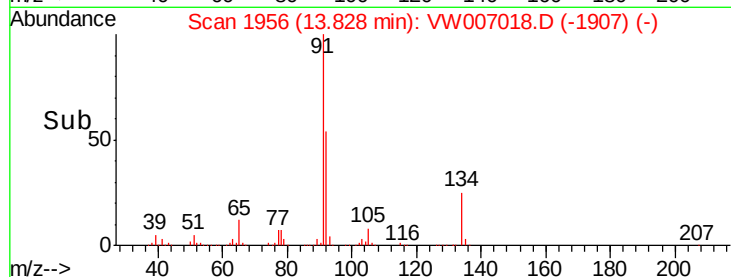
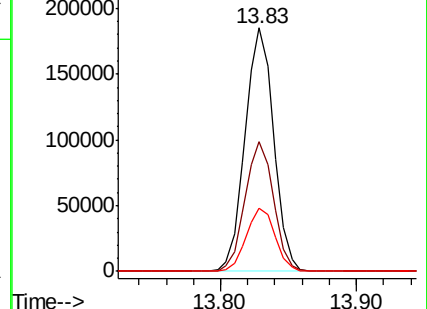
134 26.3 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.864 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007018.D

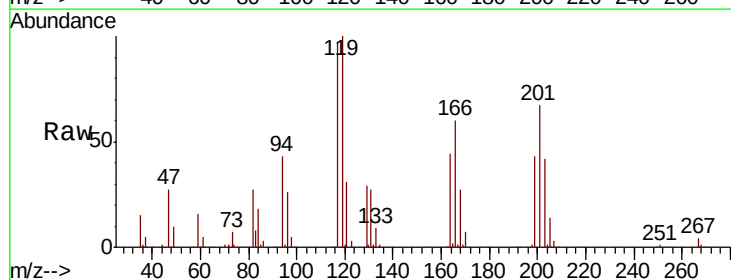
Acq: 22 Nov 2018 00:45

Tgt Ion: 117 Resp: 42997

Ion Ratio Lower Upper

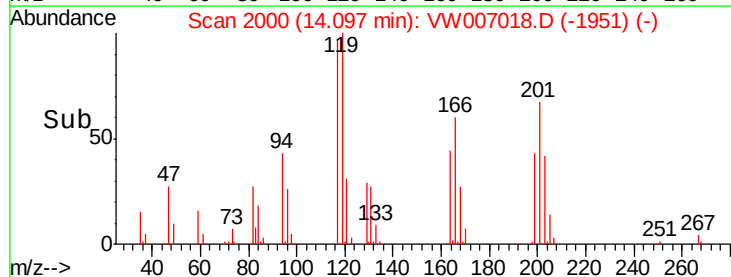
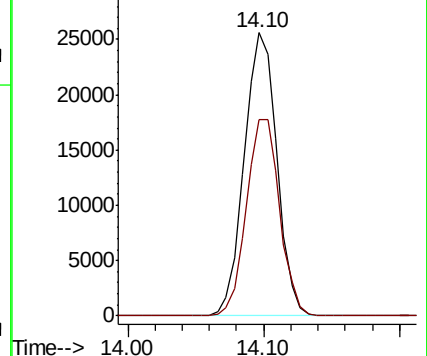
117 100

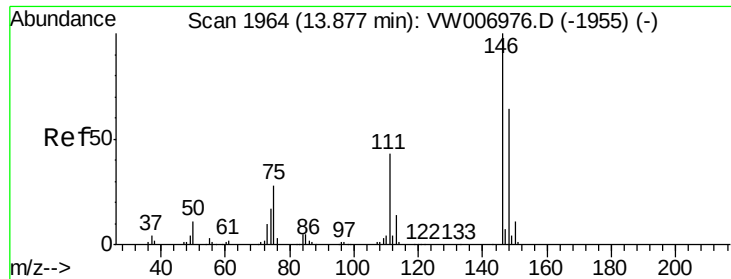
201 70.7 35.9 107.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

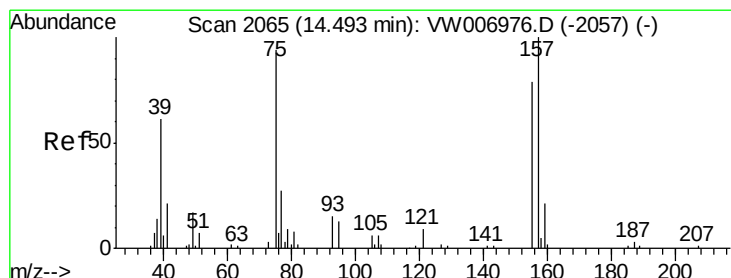
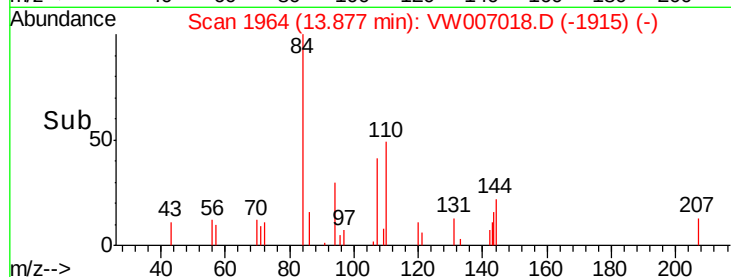
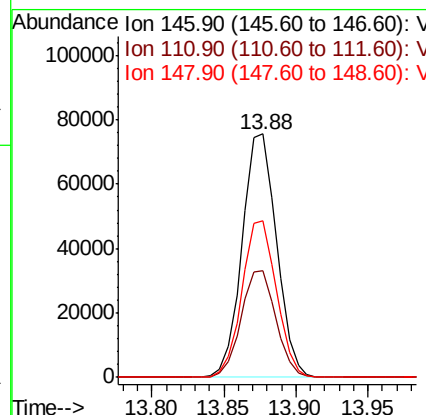
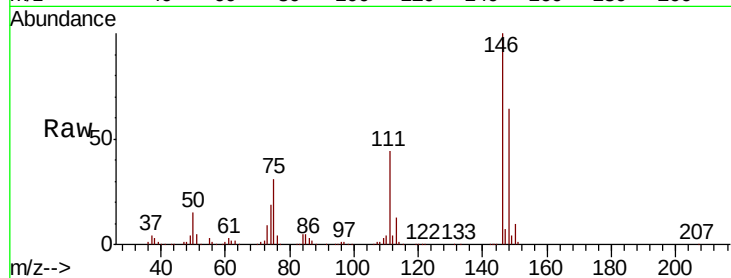




#91
 1,2-Dichlorobenzene
 Concen: 50.545 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

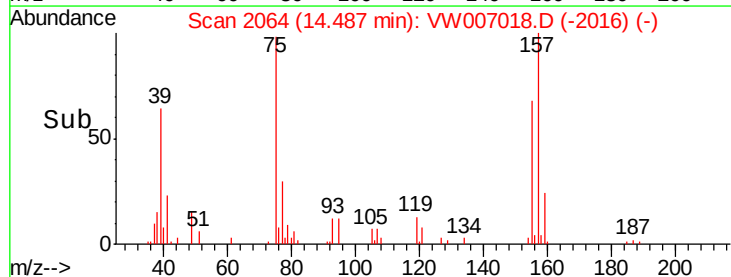
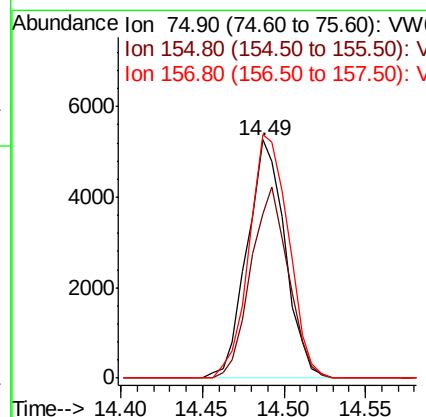
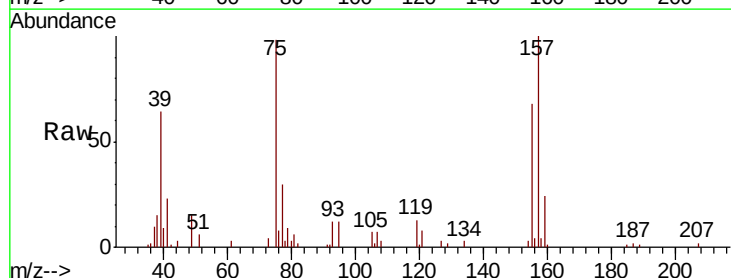
Instrument :
 MSVOA_W
 ClientSampled :

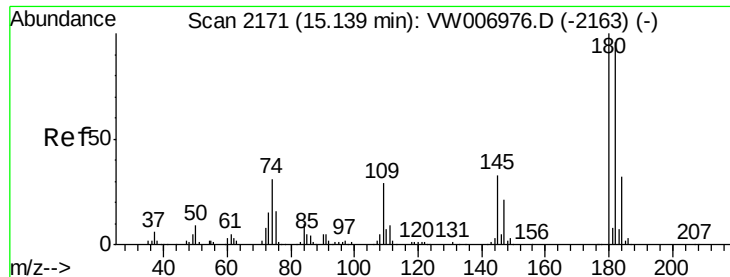
Tot Ion:146 Resp: 125436
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.9 65.7
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.913 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007018.D
 Acq: 22 Nov 2018 00:45

Tgt Ion: 75 Resp: 8553
 Ion Ratio Lower Upper
 75 100
 155 79.2 42.6 127.8
 157 106.1 55.0 165.0

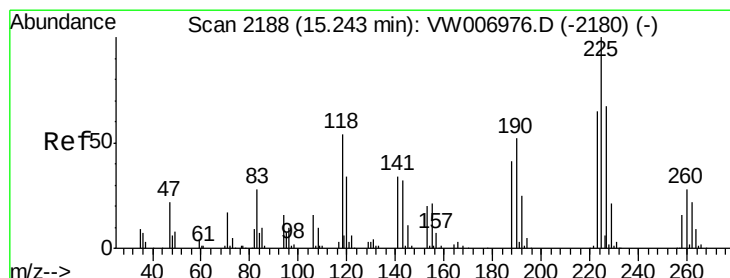
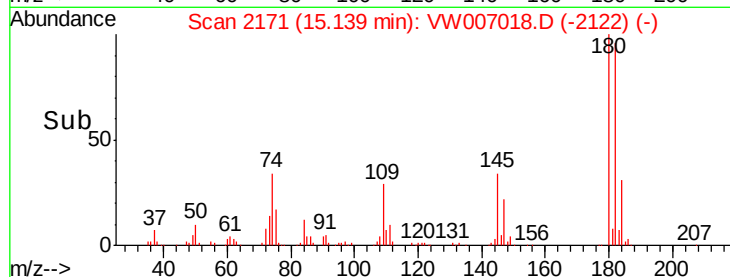
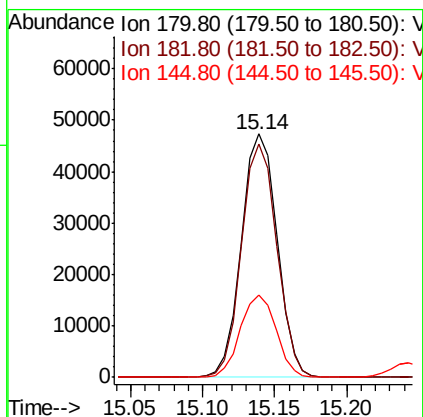
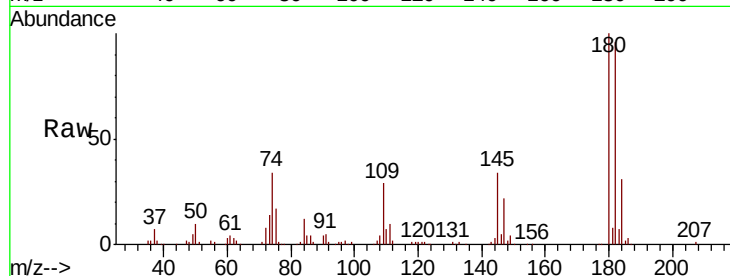




#93
1,2,4-Trichlorobenzene
Concen: 49.686 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

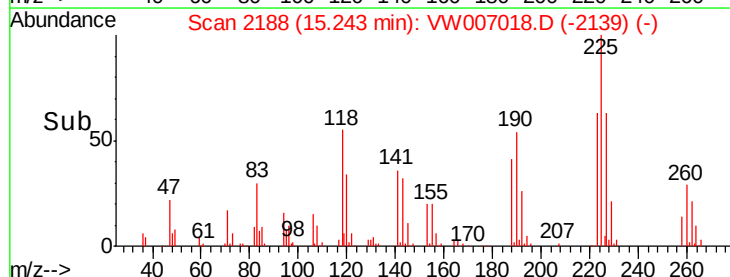
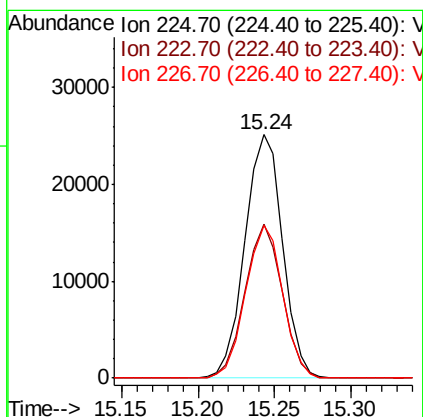
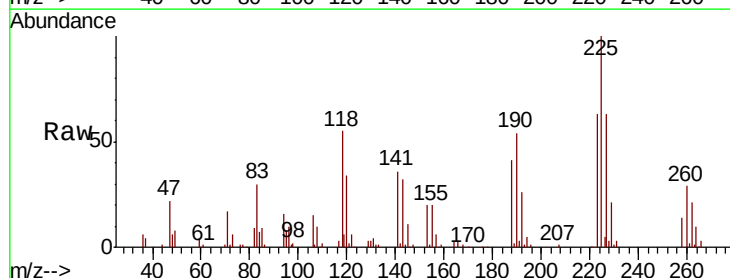
Instrument :
MSVOA_W
ClientSampleId :

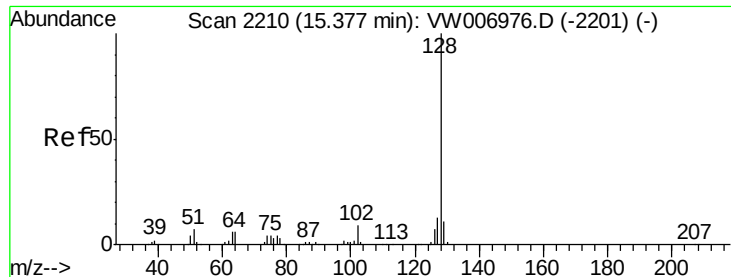
Tot Ion:180 Resp: 81308
Ion Ratio Lower Upper
180 100
182 95.1 47.1 141.3
145 33.9 16.5 49.5



#94
Hexachlorobutadiene
Concen: 48.464 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:225 Resp: 43115
Ion Ratio Lower Upper
225 100
223 62.5 32.4 97.0
227 61.6 31.9 95.5

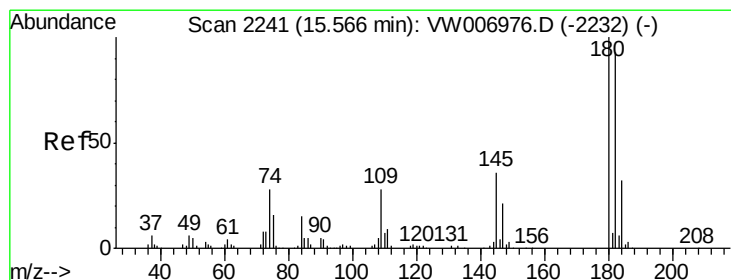
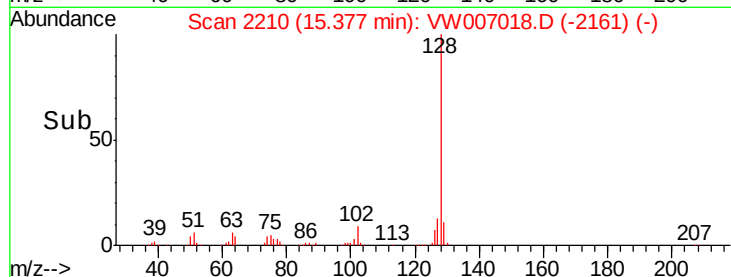
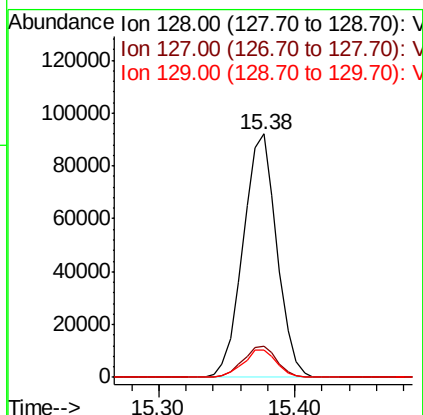
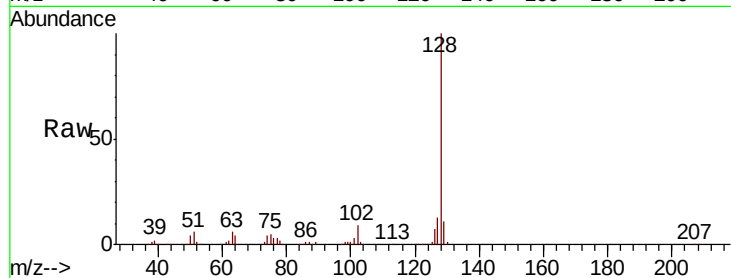




#95
Naphthalene
Concen: 53.662 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 159405
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.851 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007018.D
Acq: 22 Nov 2018 00:45

Tgt Ion:180 Resp: 70395
Ion Ratio Lower Upper
180 100
182 95.4 47.0 141.2
145 35.3 18.0 54.0

