

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007812.D
 Acq On : 21 Dec 2018 22:52
 Operator : SY/AP
 Sample : J6392-19MSD
 Misc : 5.18G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:51:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	114335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	42096	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
35) Dibromofluoromethane	7.88	113	36267	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
50) Toluene-d8	10.32	98	134955	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	52560	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27071	45.088	ug/l	99
3) Chloromethane	2.22	50	23699	64.280	ug/l	96
4) Vinyl Chloride	2.37	62	27585	58.777	ug/l	96
5) Bromomethane	2.78	94	18718	57.262	ug/l	99
6) Chloroethane	2.92	64	15786	62.872	ug/l	95
7) Trichlorofluoromethane	3.25	101	20772	42.513	ug/l	97
8) Diethyl Ether	3.68	74	17845	59.627	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32617	45.327	ug/l	98
10) Methyl Iodide	4.28	142	54076	47.254	ug/l	95
11) Tert butyl alcohol	5.18	59	16596	332.349	ug/l	99
12) 1,1-Dichloroethene	4.04	96	32083	48.148	ug/l	97
13) Acrolein	3.89	56	8287	207.557	ug/l	95
14) Allyl chloride	4.66	41	43299	49.551	ug/l	95
15) Acrylonitrile	5.37	53	41835	327.704	ug/l	99
16) Acetone	4.12	43	45491	328.175	ug/l	98
17) Carbon Disulfide	4.38	76	91110	44.185	ug/l	98
18) Methyl Acetate	4.67	43	28187	85.502	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	60750	63.505	ug/l	# 85
20) Methylene Chloride	4.91	84	39323	57.695	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35403	48.309	ug/l	91
22) Diisopropyl ether	6.31	45	91614	55.992	ug/l	99
23) Vinyl Acetate	6.25	43	259222	266.658	ug/l	99
24) 1,1-Dichloroethane	6.21	63	61317	50.941	ug/l	98
25) 2-Butanone	7.17	43	54830	337.701	ug/l	97
26) 2,2-Dichloropropane	7.16	77	38106	43.262	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	40193	51.478	ug/l	97
28) Bromochloromethane	7.51	49	24353	59.340	ug/l	94
29) Tetrahydrofuran	7.53	42	34650	357.782	ug/l	98
30) Chloroform	7.67	83	67897	49.844	ug/l	100
31) Cyclohexane	7.95	56	53100	48.188	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	56326	45.402	ug/l	100
36) 1,1-Dichloropropene	8.08	75	51267	46.457	ug/l	99
37) Ethyl Acetate	7.25	43	24853	65.257	ug/l	99
38) Carbon Tetrachloride	8.07	117	53251	40.974	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	64163	46.791	ug/l	99
40) Benzene	8.32	78	142448	48.373	ug/l	99
41) Methacrylonitrile	7.49	41	14412	66.652	ug/l	93
42) 1,2-Dichloroethane	8.40	62	49651	50.312	ug/l	97
43) Isopropyl Acetate	8.43	43	51437	67.413	ug/l	94
44) Trichloroethene	9.09	130	40485	45.461	ug/l	94
45) 1,2-Dichloropropane	9.37	63	33138	50.715	ug/l	97
46) Dibromomethane	9.46	93	21090	52.433	ug/l	97
47) Bromodichloromethane	9.65	83	49546	46.856	ug/l	100
48) Methyl methacrylate	9.43	41	23274	61.109	ug/l	98
49) 1,4-Dioxane	9.45	88	8381	1314.234	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	119063	330.184	ug/l	100
52) Toluene	10.39	92	103446	52.358	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53450	50.819	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	57255	49.283	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31529	56.860	ug/l	98
56) Ethyl methacrylate	10.65	69	39861	60.843	ug/l	96
57) 1,3-Dichloropropane	10.93	76	50263	54.588	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	106614	356.422	ug/l	99
59) 2-Hexanone	10.97	43	86185	339.852	ug/l	99
60) Dibromochloromethane	11.13	129	34876	47.502	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30348	54.045	ug/l	95
64) Tetrachloroethene	10.86	164	39085	53.200	ug/l	98
65) Chlorobenzene	11.66	112	105125	46.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37336	46.531	ug/l	98
67) Ethyl Benzene	11.73	91	182665	47.403	ug/l	98
68) m/p-Xylenes	11.84	106	139755	93.494	ug/l	97
69) o-Xylene	12.16	106	68544	48.919	ug/l	97
70) Styrene	12.18	104	112032	48.640	ug/l	99
71) Bromoform	12.35	173	20145	48.363	ug/l #	99
73) Isopropylbenzene	12.47	105	202185	52.249	ug/l	99
74) N-amyl acetate	12.27	43	43246	64.520	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	34380	59.257	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47722	120.609	ug/l #	100
77) Bromobenzene	12.75	156	43862	49.460	ug/l	93
78) n-propylbenzene	12.80	91	228465	50.719	ug/l	98
79) 2-Chlorotoluene	12.90	91	128219	48.862	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	159910	47.908	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10611	56.292	ug/l	99
82) 4-Chlorotoluene	12.99	91	134551	48.157	ug/l	100
83) tert-Butylbenzene	13.21	119	139731	47.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	163720	48.610	ug/l	99
85) sec-Butylbenzene	13.39	105	192987	47.813	ug/l	100
86) p-Isopropyltoluene	13.50	119	172787	47.078	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	83348	47.336	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	83412	47.359	ug/l	99
89) n-Butylbenzene	13.83	91	153492	45.612	ug/l	99
90) Hexachloroethane	14.10	117	27870	43.253	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	78416	49.741	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7012	58.850	ug/l	95

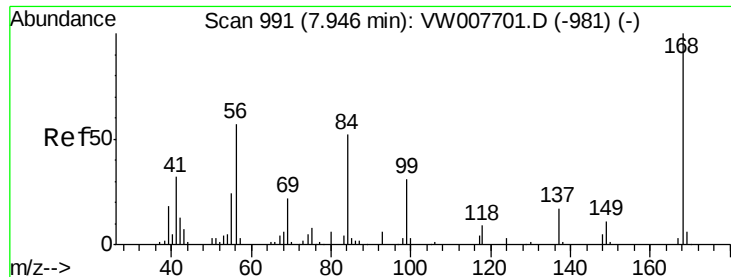
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	52004	47.522	ug/l	99
94) Hexachlorobutadiene	15.24	225	26296	44.964	ug/l	96
95) Naphthalene	15.37	128	125715	62.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	47209	50.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

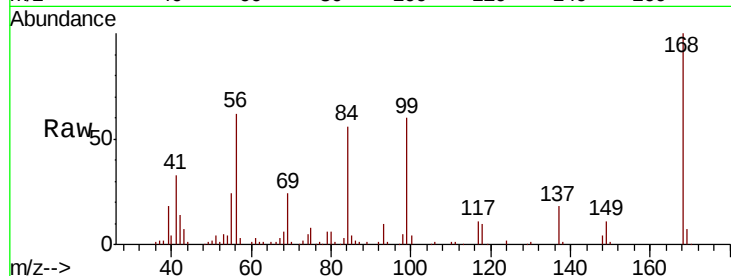
ClientSampleId :

Tot Ion:168 Resp: 67538

Ion Ratio Lower Upper

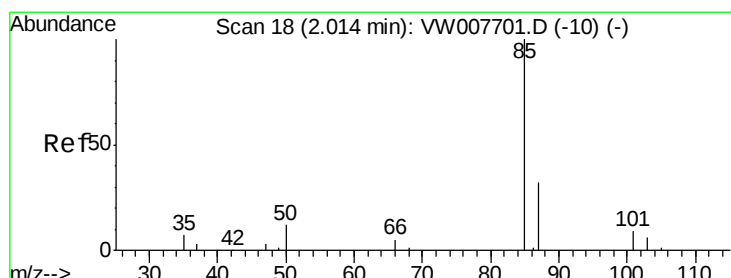
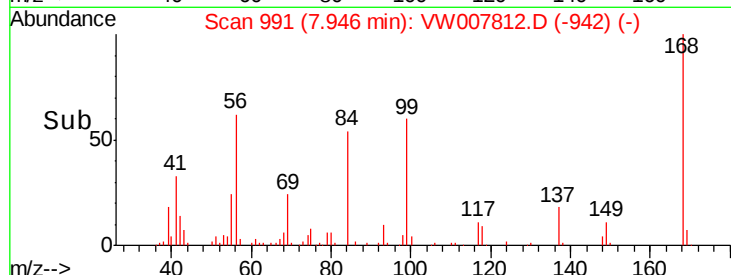
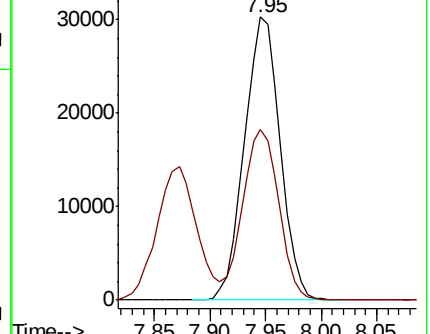
168 100

99 60.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.088 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007812.D

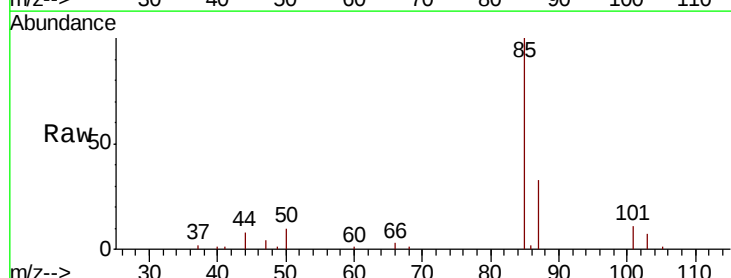
Acq: 21 Dec 2018 22:52

Tgt Ion: 85 Resp: 27071

Ion Ratio Lower Upper

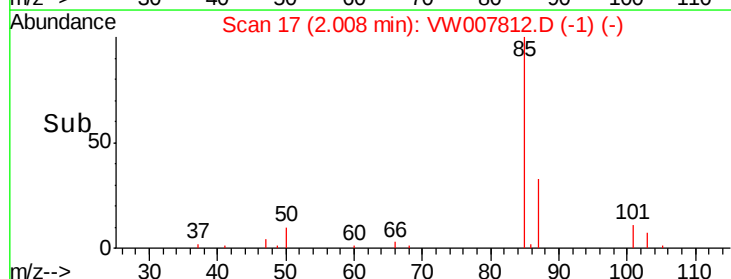
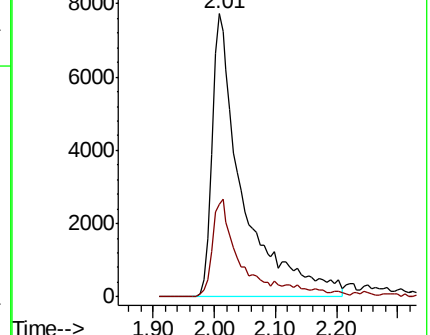
85 100

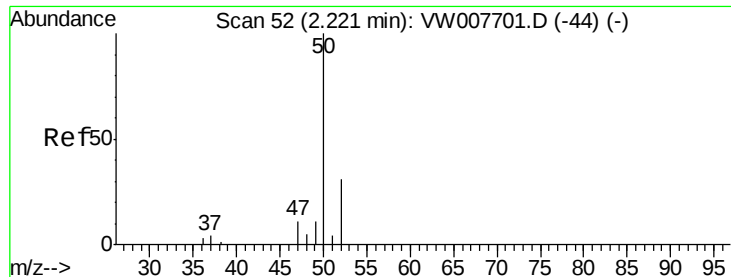
87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 64.280 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

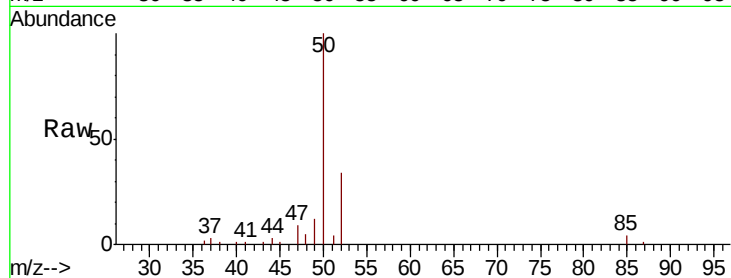
ClientSampleId :

Tot Ion: 50 Resp: 23699

Ion Ratio Lower Upper

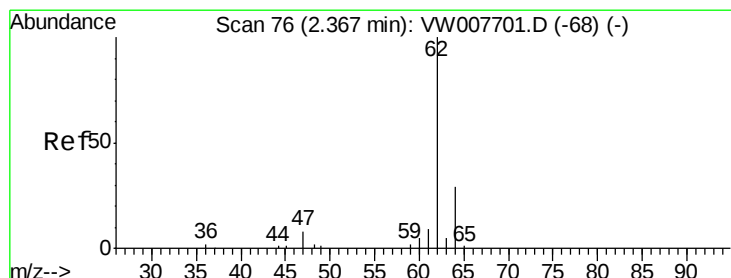
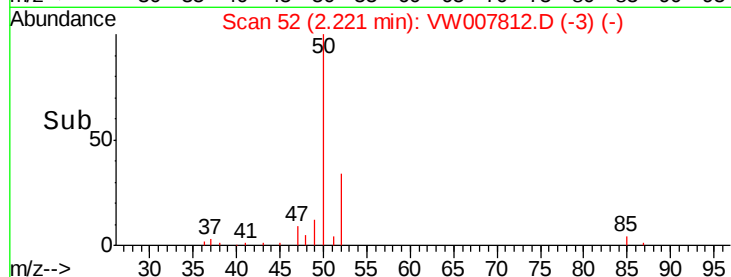
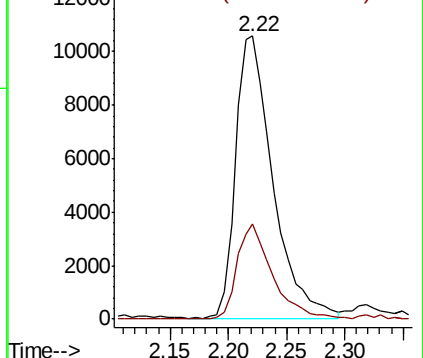
50 100

52 33.9 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 58.777 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007812.D

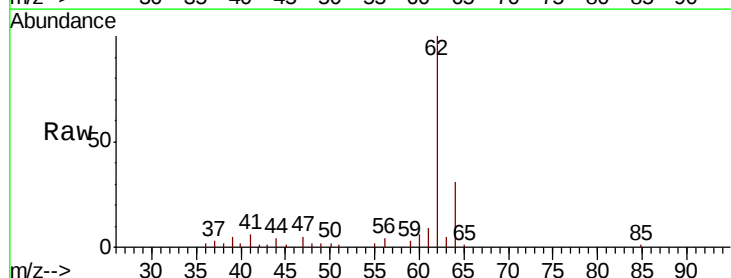
Acq: 21 Dec 2018 22:52

Tgt Ion: 62 Resp: 27585

Ion Ratio Lower Upper

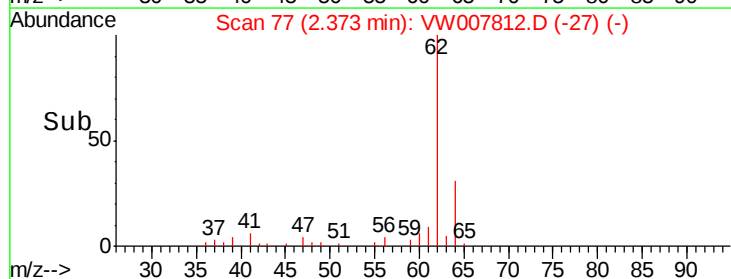
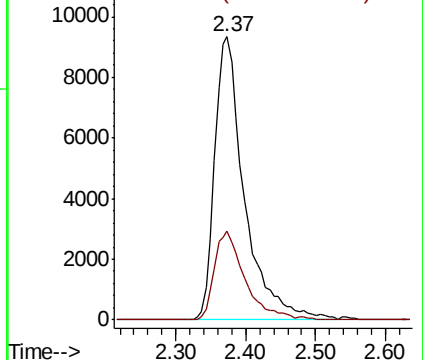
62 100

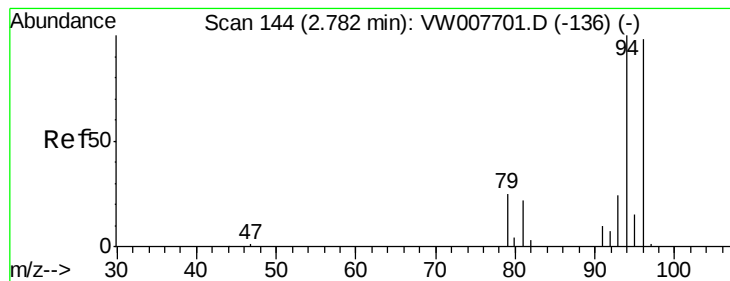
64 31.3 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 57.262 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

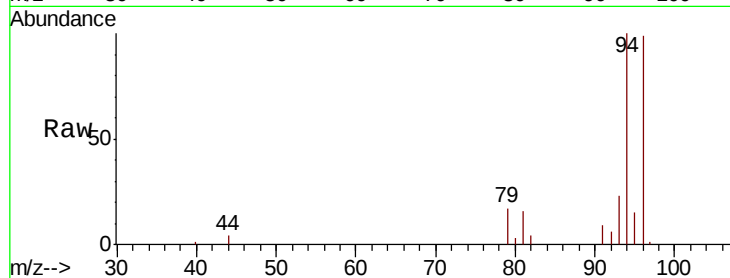
ClientSampleId :

Tot Ion: 94 Resp: 18718

Ion Ratio Lower Upper

94 100

96 98.6 78.2 117.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

8000

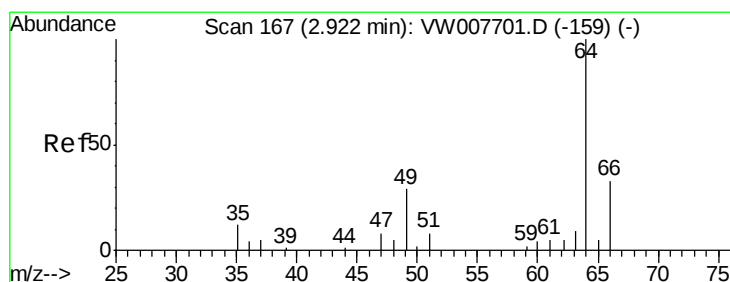
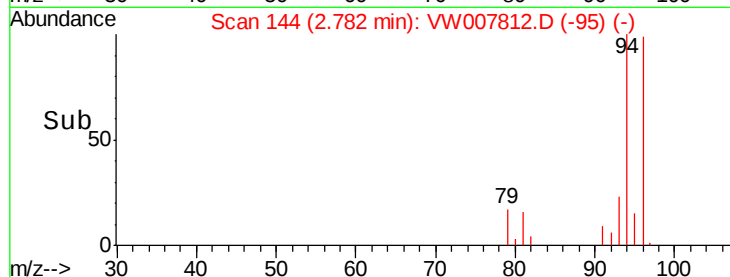
6000

4000

2000

0

Time--> 2.70 2.80 2.90



#6

Chloroethane

Concen: 62.872 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007812.D

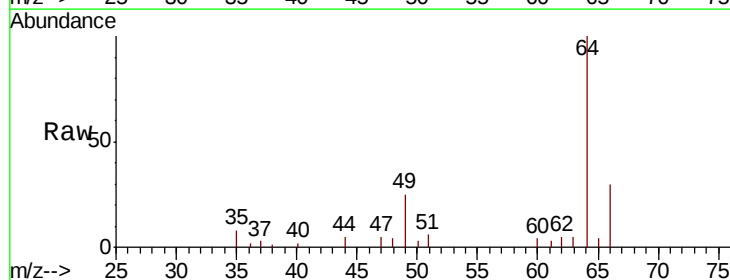
Acq: 21 Dec 2018 22:52

Tgt Ion: 64 Resp: 15786

Ion Ratio Lower Upper

64 100

66 29.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

5000

4000

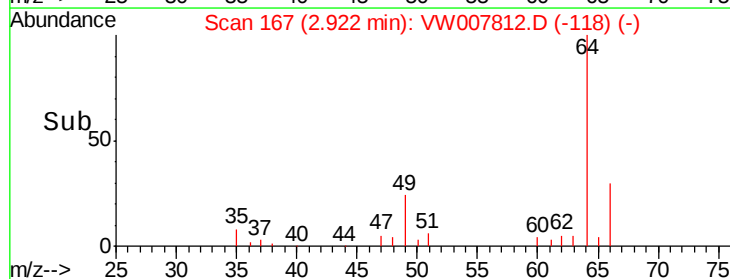
3000

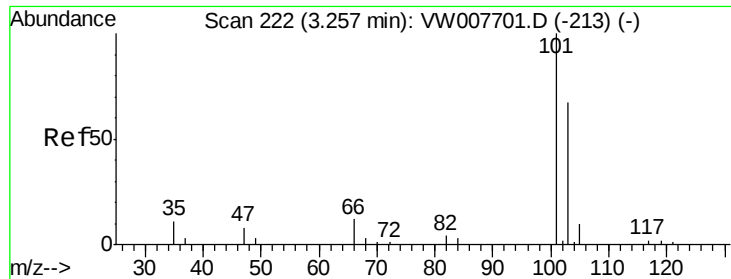
2000

1000

0

Time--> 2.80 2.90 3.00 3.10



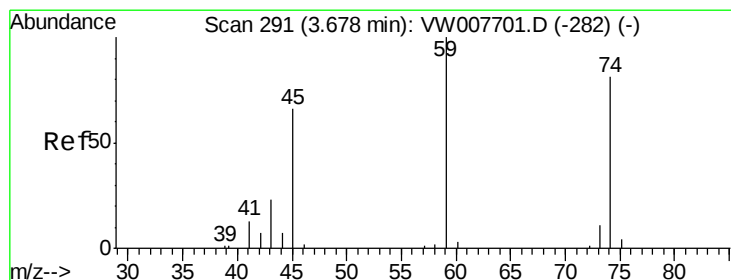
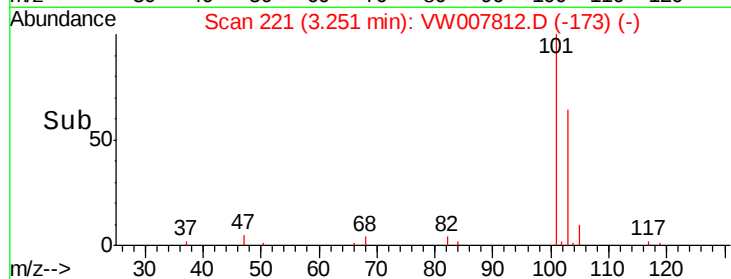
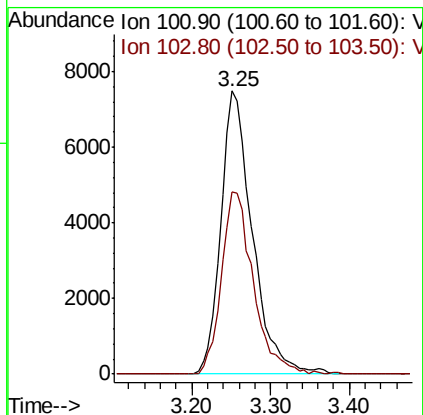
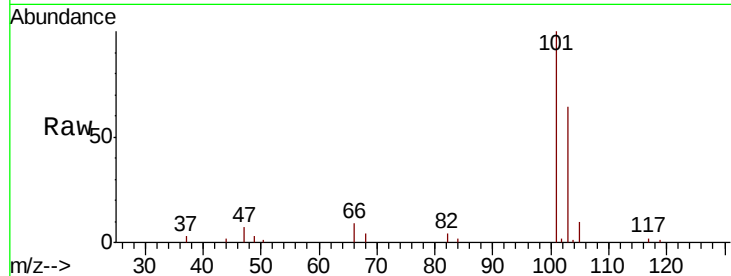


#7

Trichlorofluoromethane
 Concen: 42.513 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :

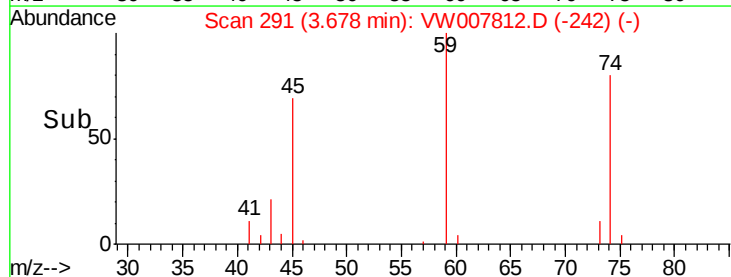
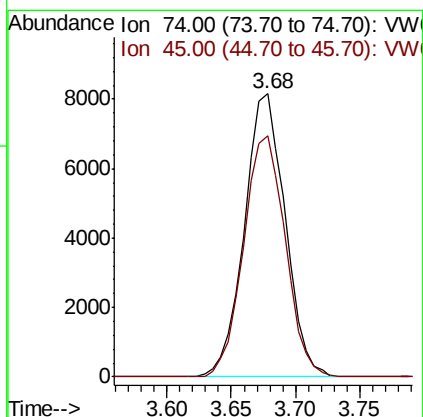
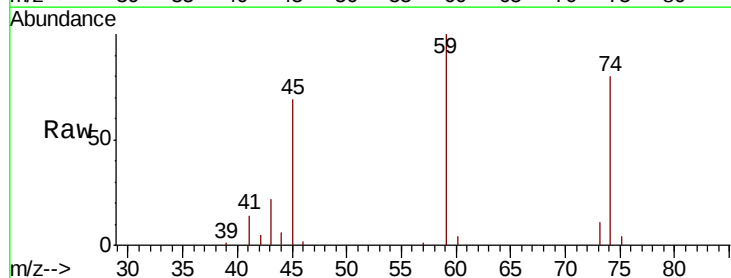
Tot Ion:101 Resp: 20772
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.4 80.2

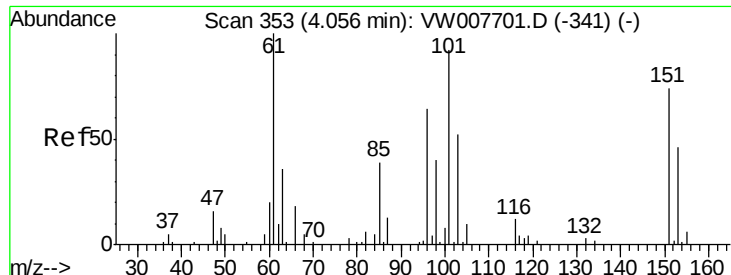


#8

Diethyl Ether
 Concen: 59.627 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 74 Resp: 17845
 Ion Ratio Lower Upper
 74 100
 45 87.4 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.327 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampled :

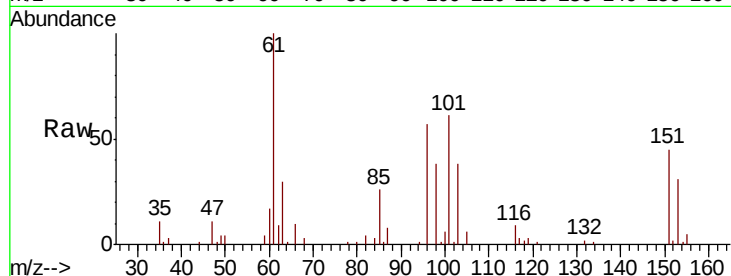
Tot Ion:101 Resp: 32617

Ion Ratio Lower Upper

101 100

85 43.1 34.3 51.5

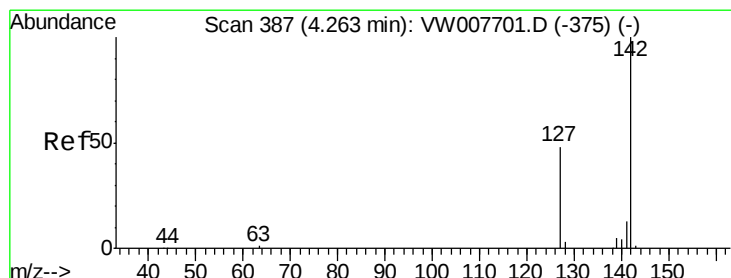
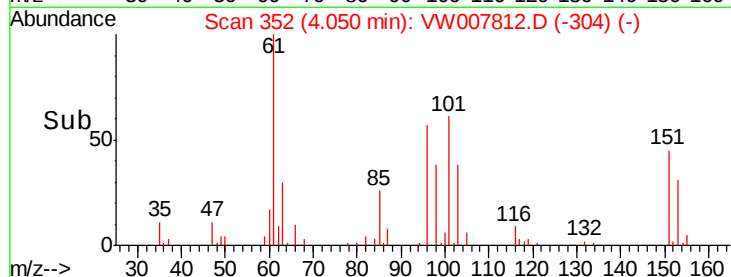
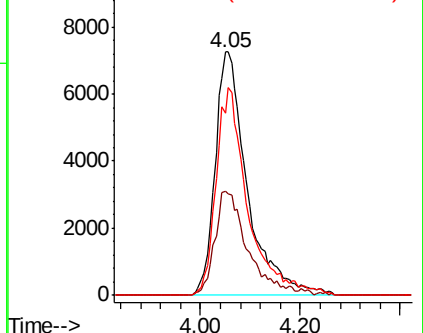
151 83.7 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.254 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

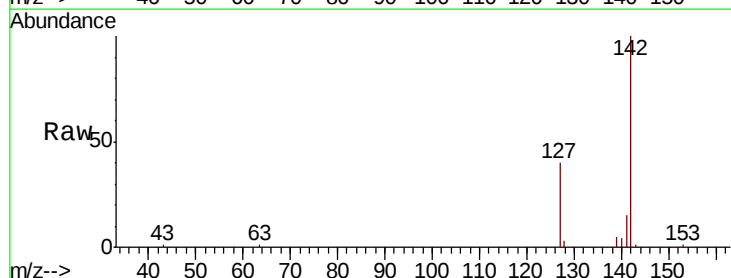
Tgt Ion:142 Resp: 54076

Ion Ratio Lower Upper

142 100

127 43.1 37.7 56.5

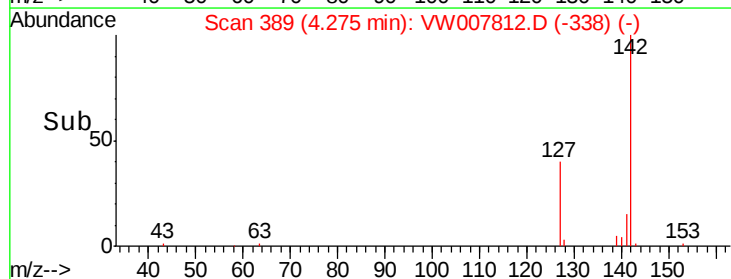
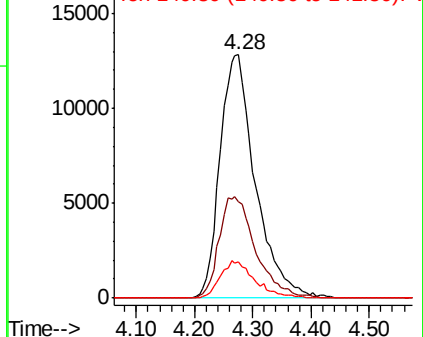
141 14.9 11.5 17.3

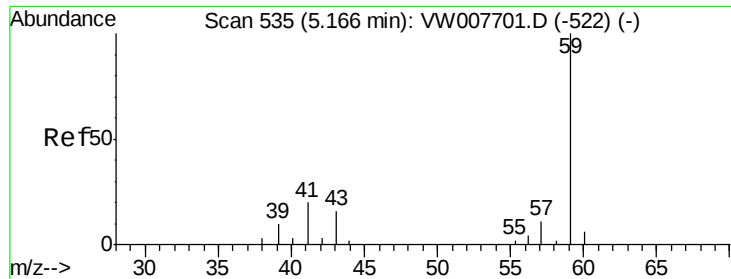


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

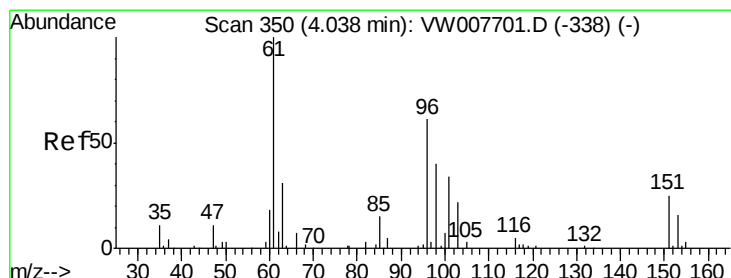
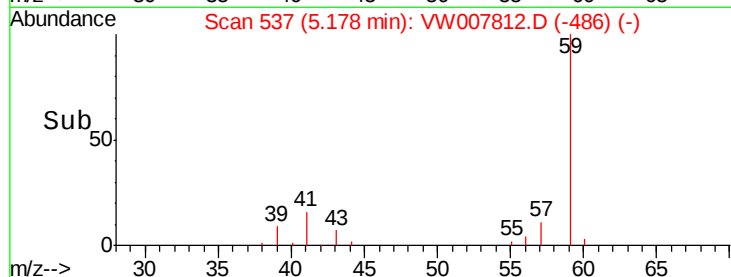
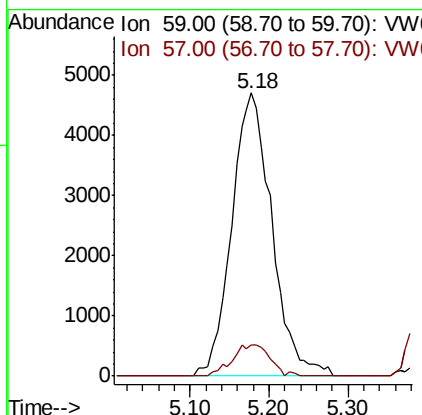
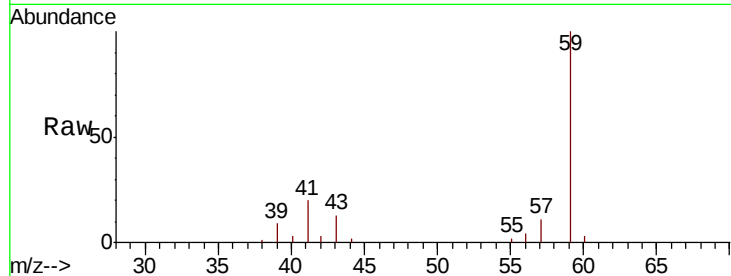




#11
Tert butyl alcohol
Concen: 332.349 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

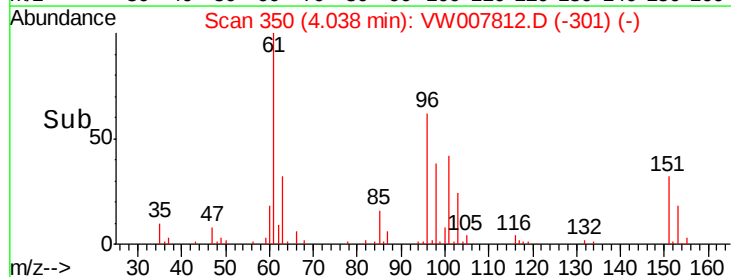
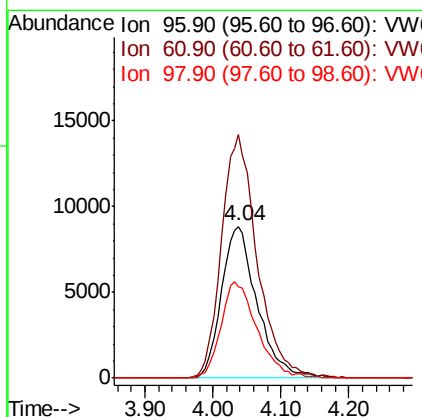
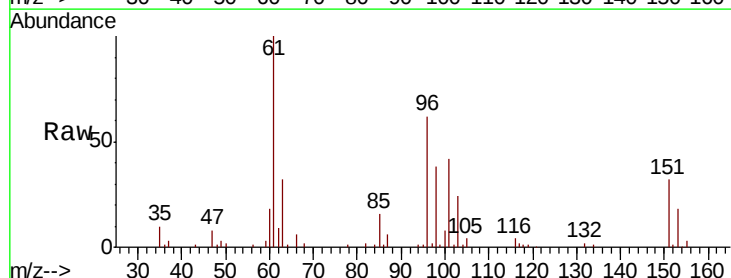
Instrument :
MSVOA_W
ClientSampled :

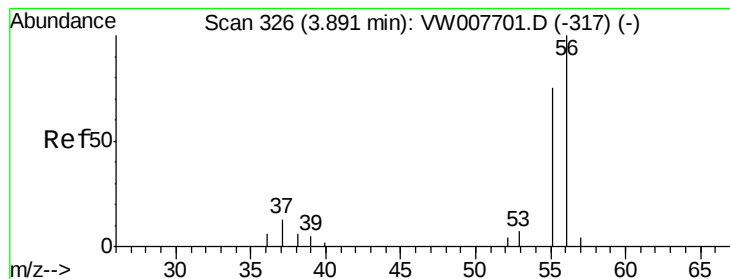
Tot Ion: 59 Resp: 16596
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8



#12
1,1-Dichloroethene
Concen: 48.148 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 96 Resp: 32083
Ion Ratio Lower Upper
96 100
61 160.5 130.6 195.8
98 60.3 52.3 78.5





#13

Acrolein

Concen: 207.557 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

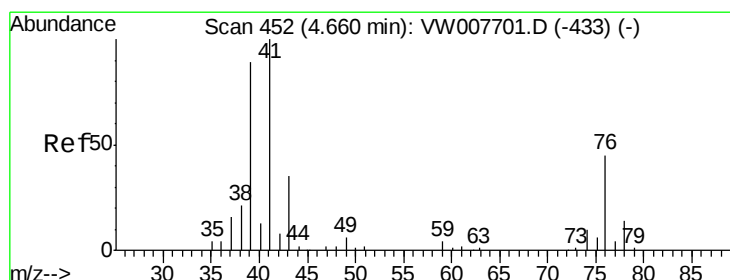
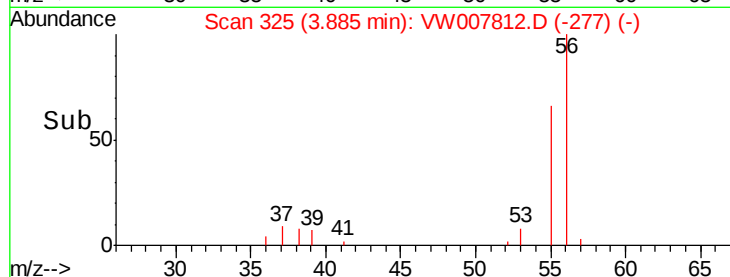
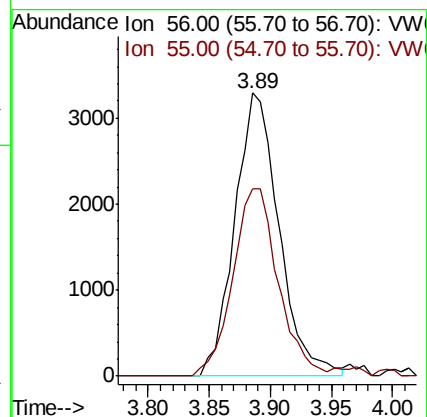
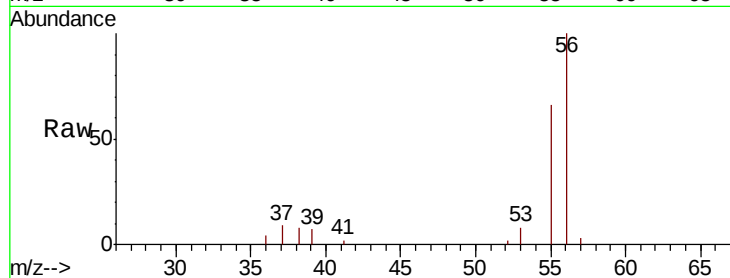
ClientSampled :

Tot Ion: 56 Resp: 8287

Ion Ratio Lower Upper

56 100

55 67.6 57.7 86.5



#14

Allyl chloride

Concen: 49.551 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

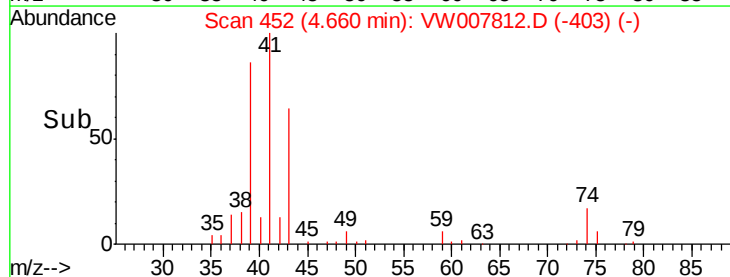
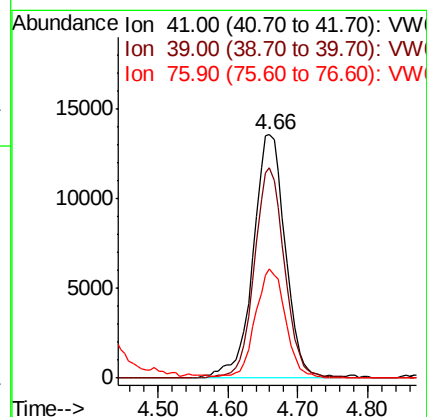
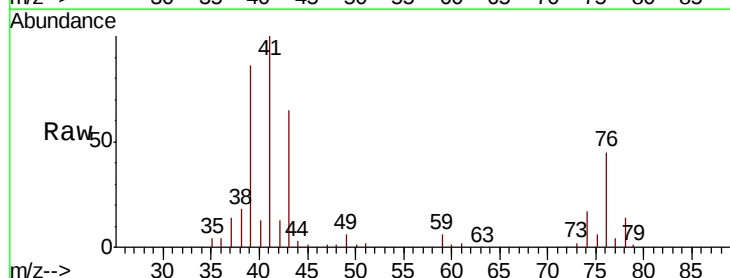
Tgt Ion: 41 Resp: 43299

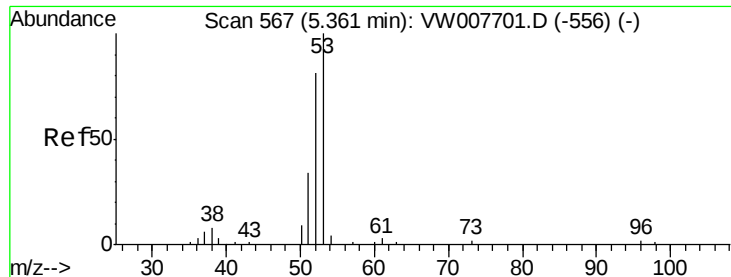
Ion Ratio Lower Upper

41 100

39 81.3 69.5 104.3

76 42.2 34.8 52.2





#15

Acrylonitrile

Concen: 327.704 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

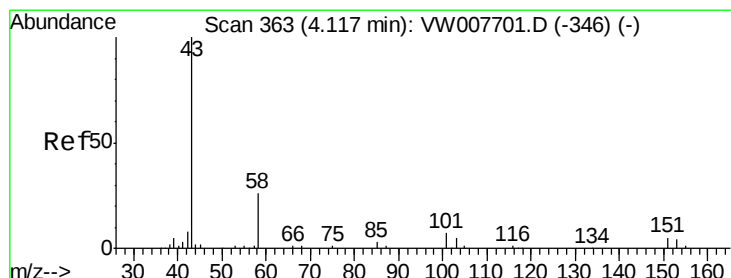
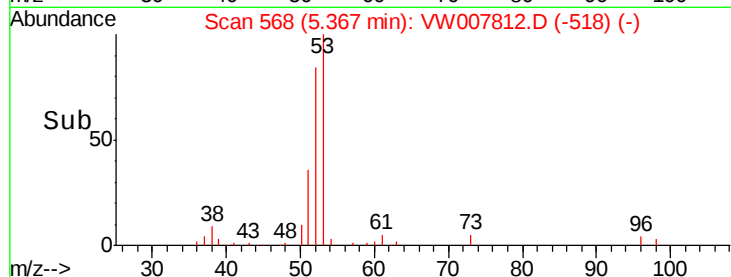
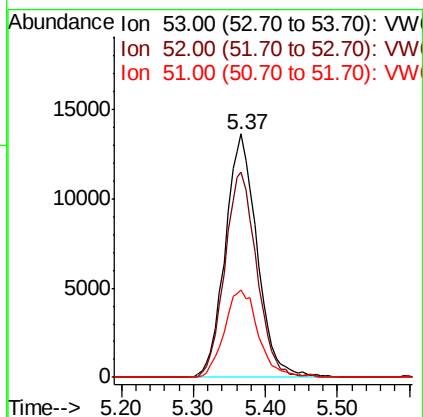
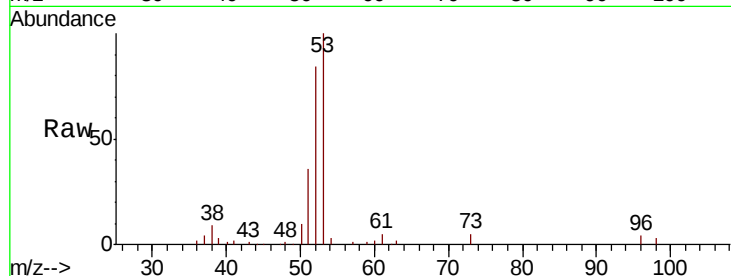
Tot Ion: 53 Resp: 41835

Ion Ratio Lower Upper

53 100

52 84.4 67.0 100.4

51 38.1 30.2 45.2



#16

Acetone

Concen: 328.175 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007812.D

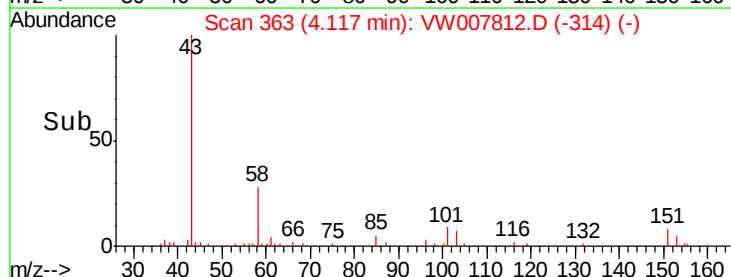
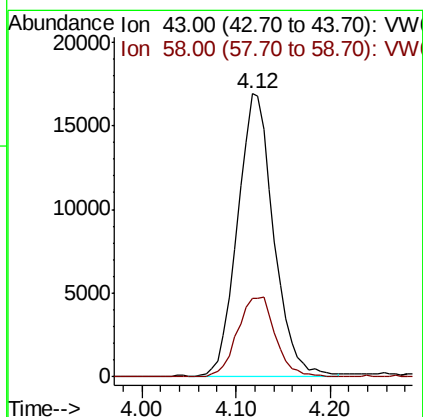
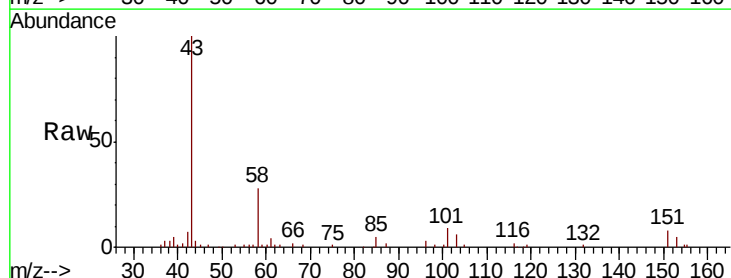
Acq: 21 Dec 2018 22:52

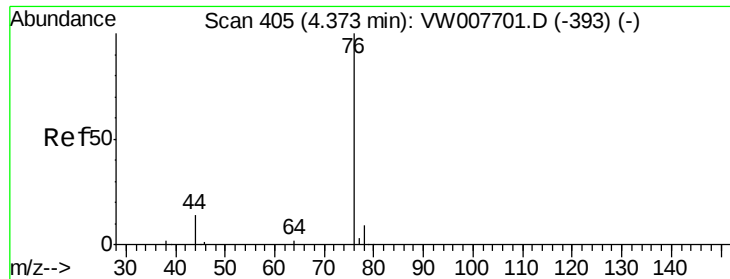
Tgt Ion: 43 Resp: 45491

Ion Ratio Lower Upper

43 100

58 27.6 21.2 31.8

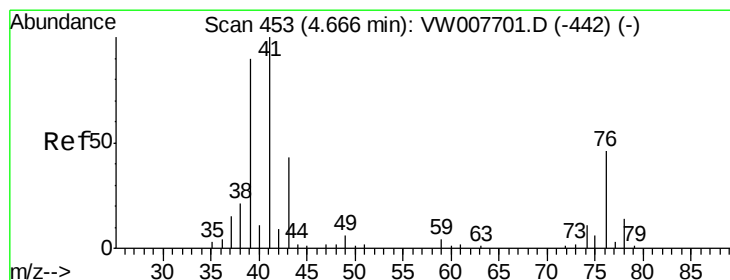
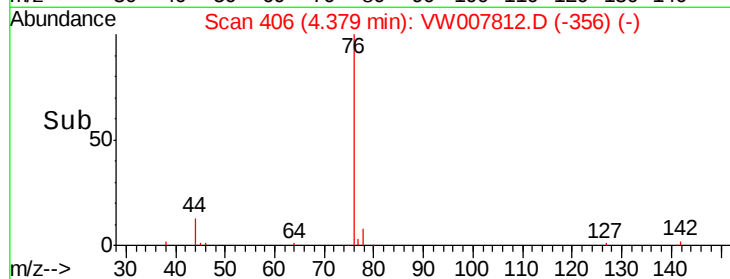
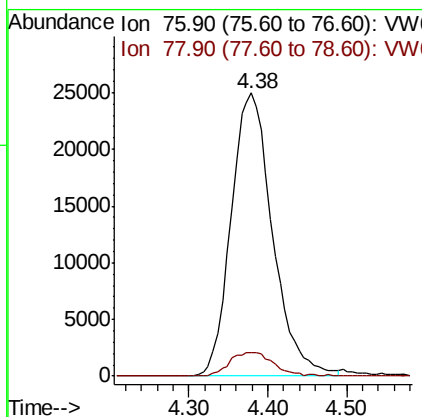
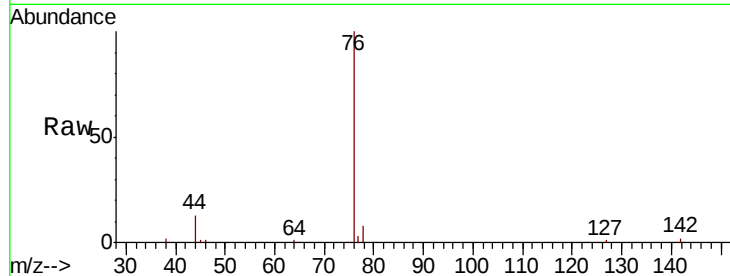




#17
Carbon Disulfide
Concen: 44.185 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

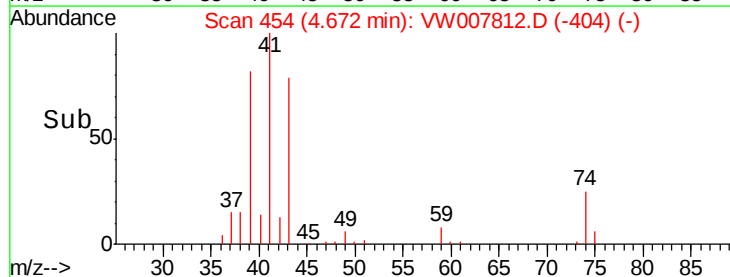
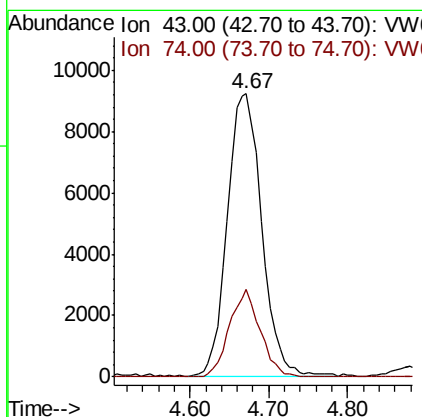
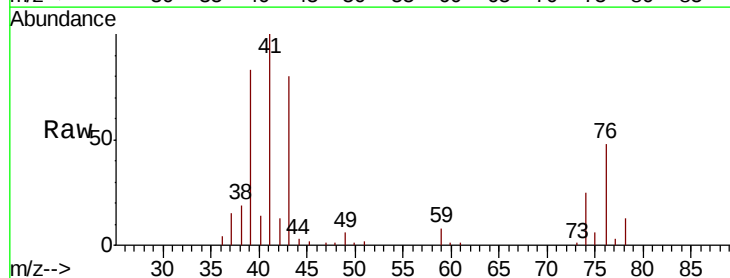
Instrument :
MSVOA_W
ClientSampled :

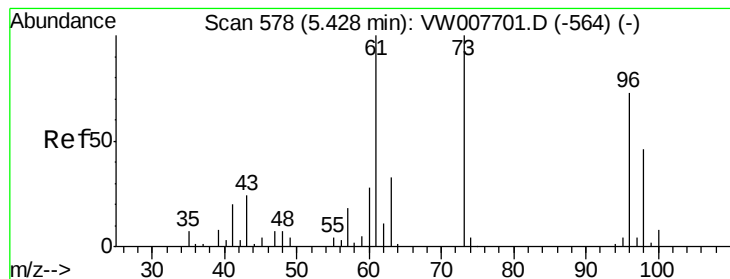
Tot Ion: 76 Resp: 91110
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#18
Methyl Acetate
Concen: 85.502 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 43 Resp: 28187
Ion Ratio Lower Upper
43 100
74 27.3 22.7 34.1



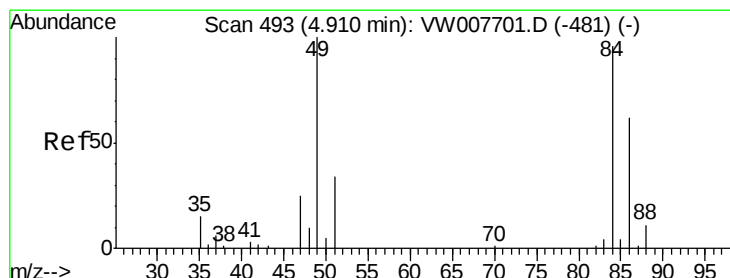
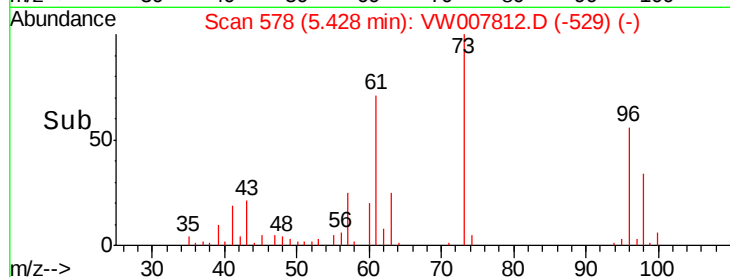
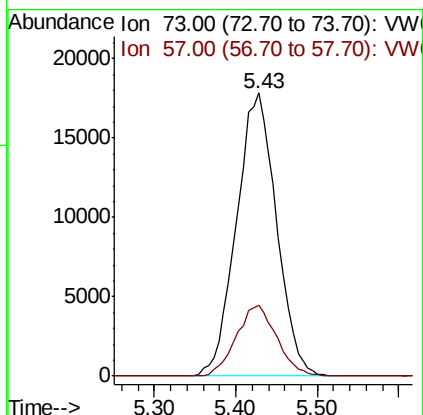
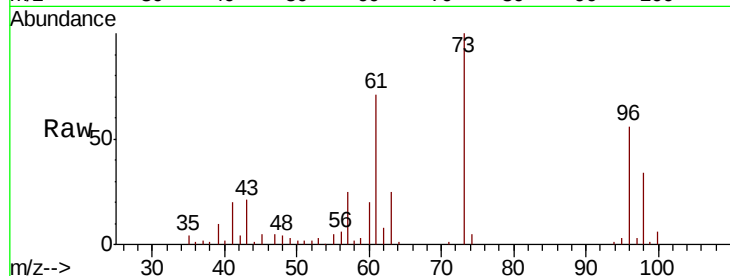


#19

Methyl tert-butyl Ether
 Concen: 63.505 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampled :

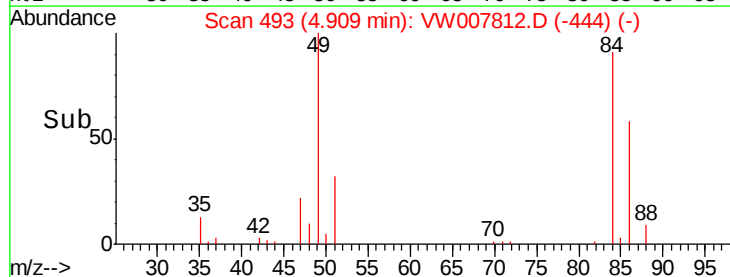
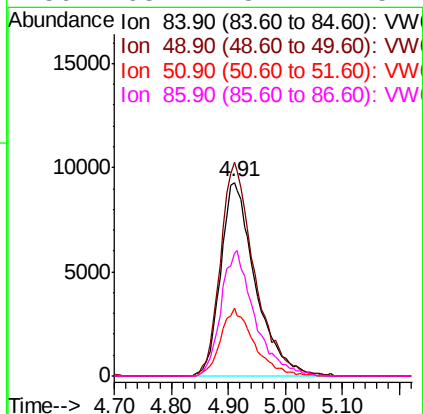
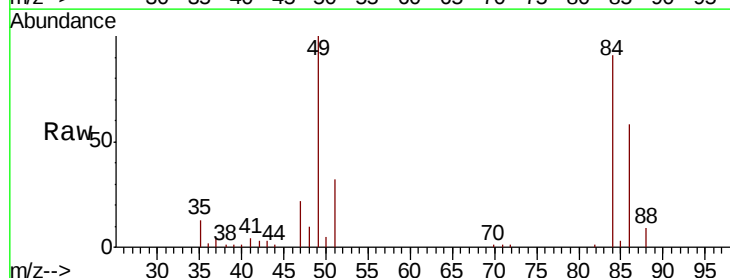
Tot Ion: 73 Resp: 60750
 Ion Ratio Lower Upper
 73 100
 57 25.2 14.7 22.1#

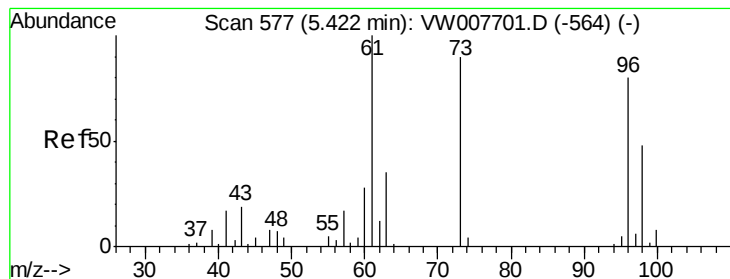


#20

Methylene Chloride
 Concen: 57.695 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 84 Resp: 39323
 Ion Ratio Lower Upper
 84 100
 49 110.4 83.7 125.5
 51 35.0 28.2 42.2
 86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.309 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampled :

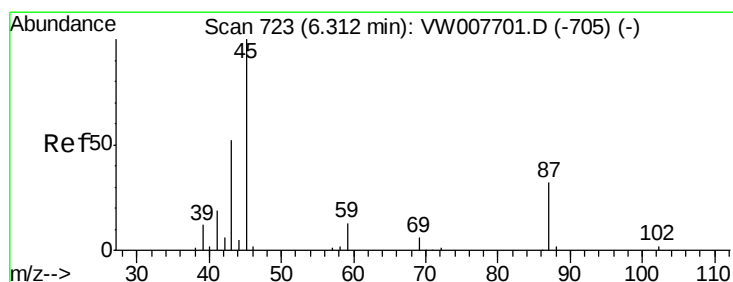
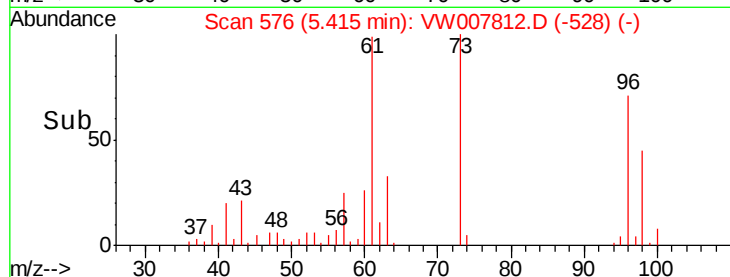
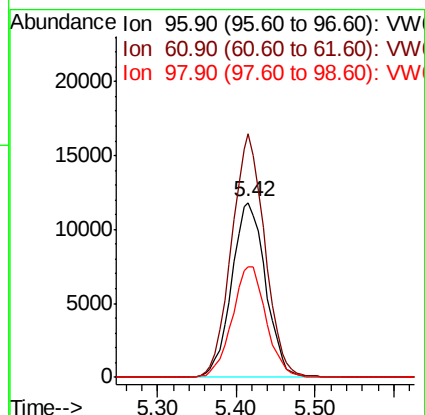
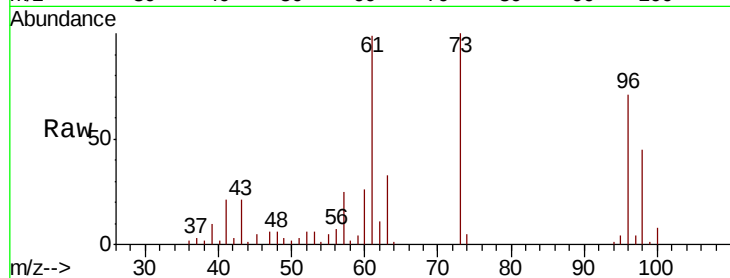
Tot Ion: 96 Resp: 35403

Ion Ratio Lower Upper

96 100

61 139.1 100.1 150.1

98 63.2 48.5 72.7



#22

Diisopropyl ether

Concen: 55.992 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion: 45 Resp: 91614

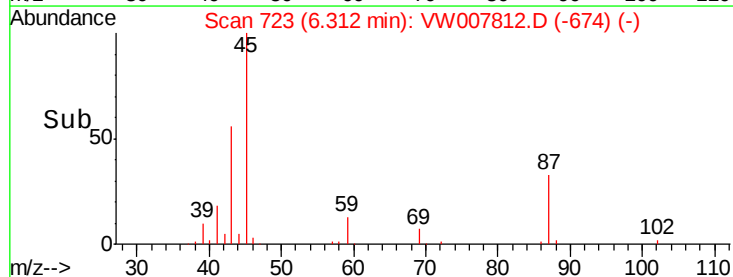
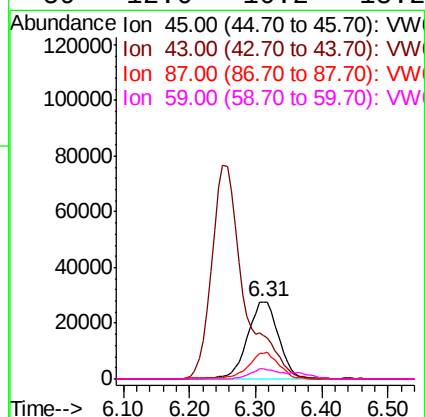
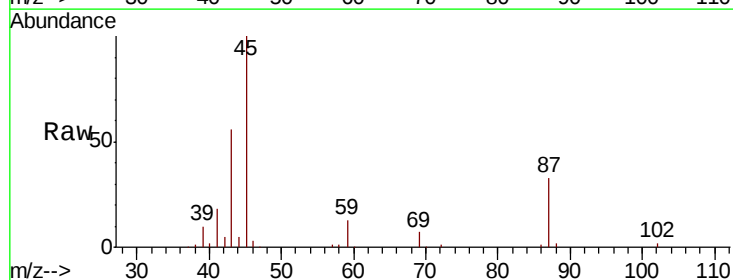
Ion Ratio Lower Upper

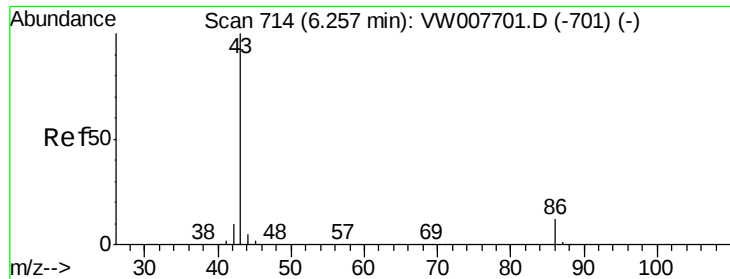
45 100

43 55.9 43.7 65.5

87 33.3 26.6 40.0

59 12.6 10.2 15.2





#23

Vinyl Acetate

Concen: 266.658 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

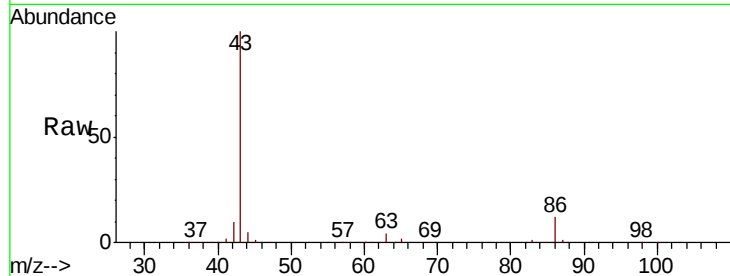
ClientSampleId :

Tot Ion: 43 Resp: 259222

Ion Ratio Lower Upper

43 100

86 11.7 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

80000

60000

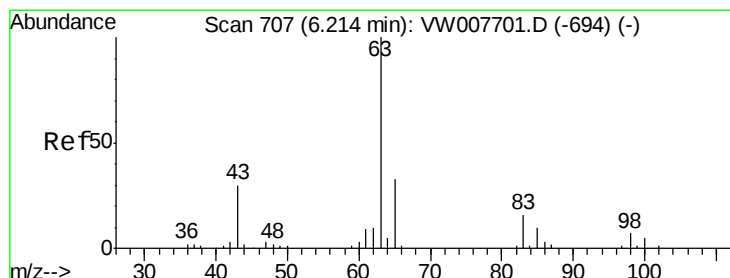
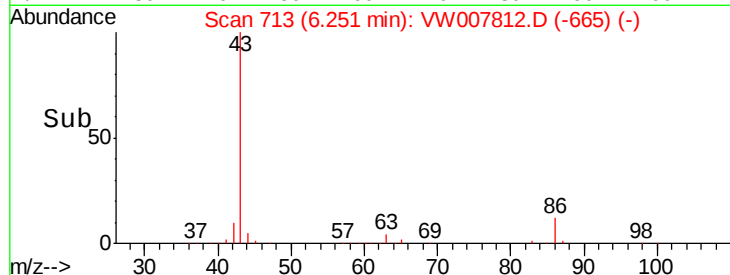
40000

20000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.941 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

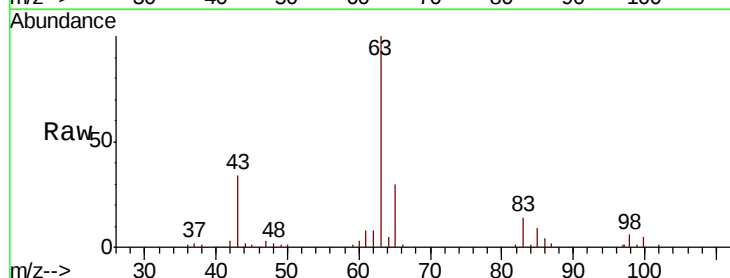
Tgt Ion: 63 Resp: 61317

Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.9

100 4.8 2.5 7.5



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

6.21

25000

20000

15000

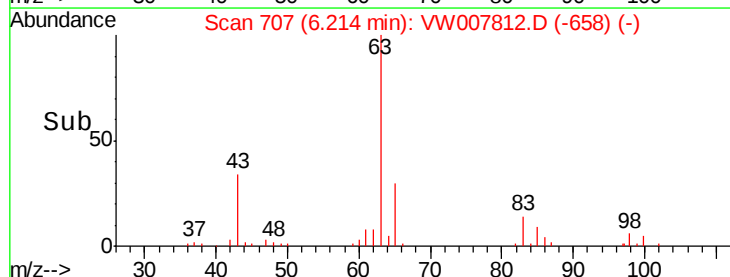
10000

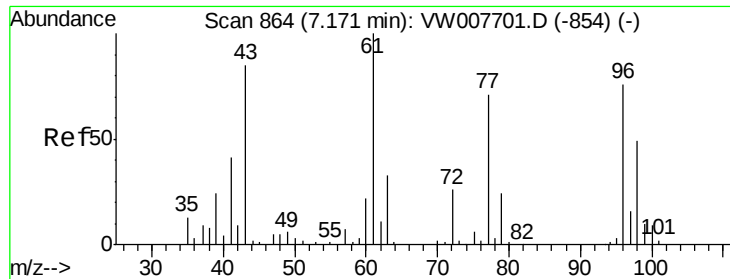
5000

0

6.10 6.20 6.30

Time-->

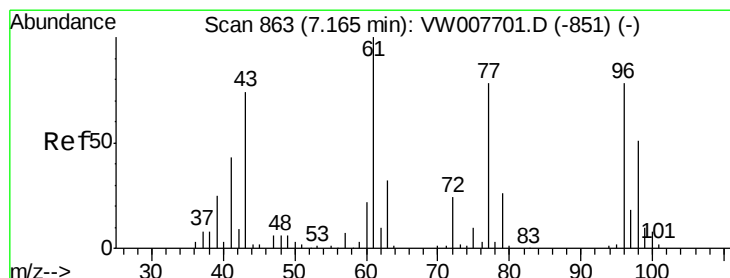
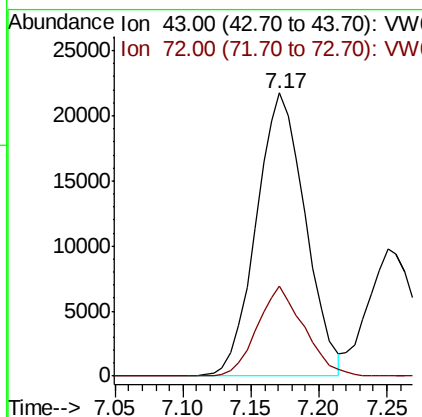
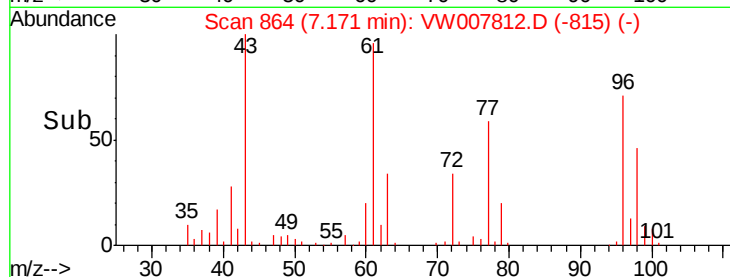
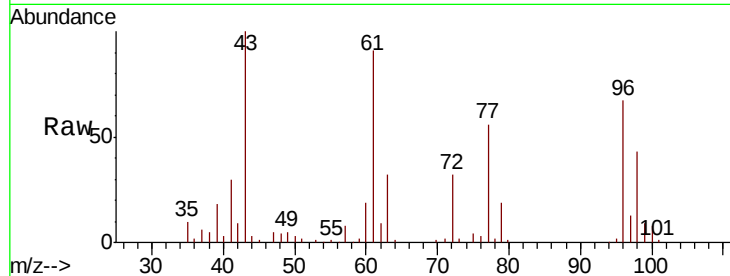




#25
 2-Butanone
 Concen: 337.701 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

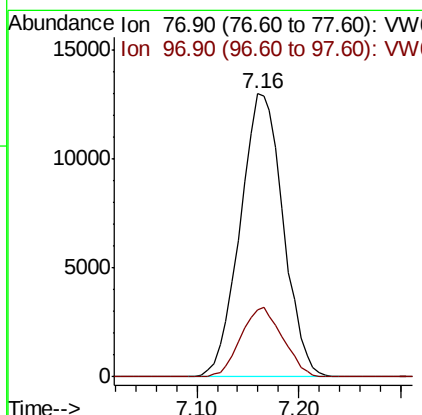
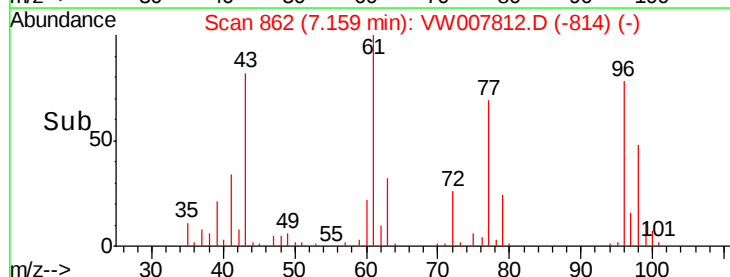
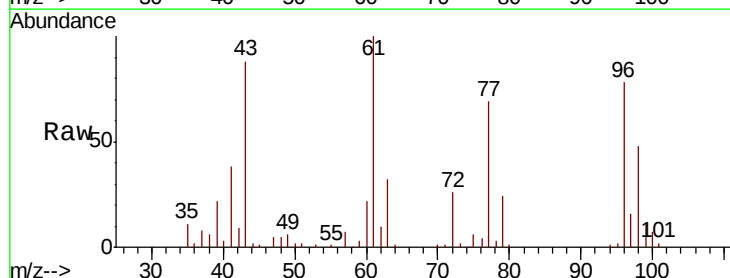
Instrument :
 MSVOA_W
 ClientSampled :

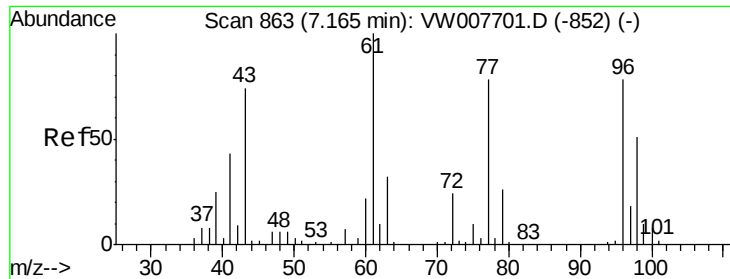
Tot Ion: 43 Resp: 54830
 Ion Ratio Lower Upper
 43 100
 72 32.0 24.5 36.7



#26
 2,2-Dichloropropane
 Concen: 43.262 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 77 Resp: 38106
 Ion Ratio Lower Upper
 77 100
 97 23.8 11.3 33.9

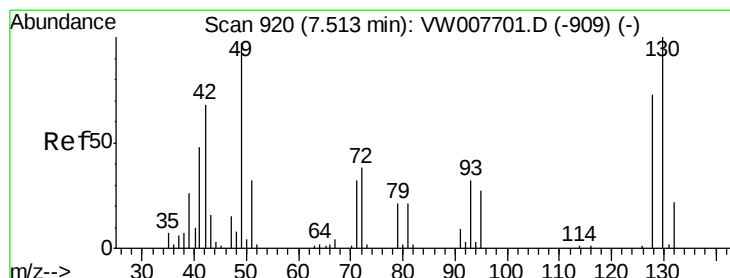
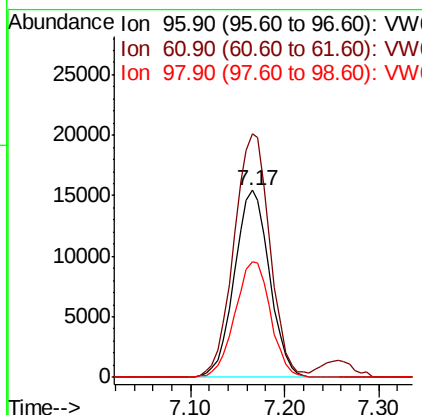
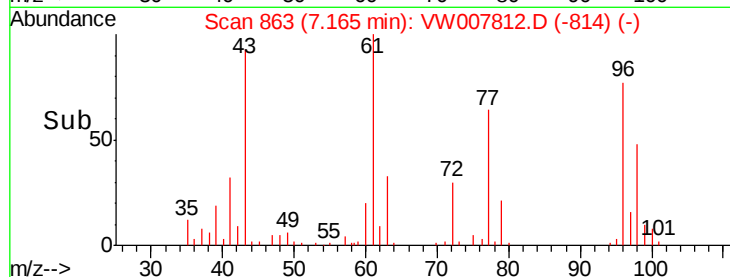
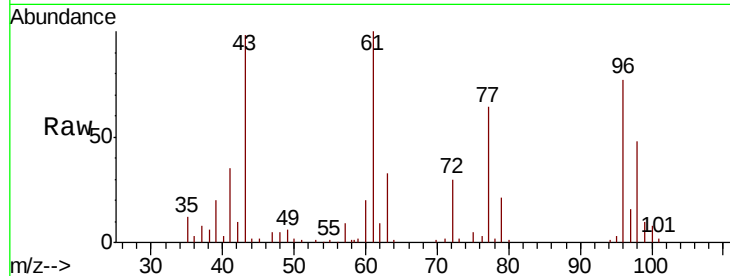




#27
 cis-1,2-Dichloroethene
 Concen: 51.478 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

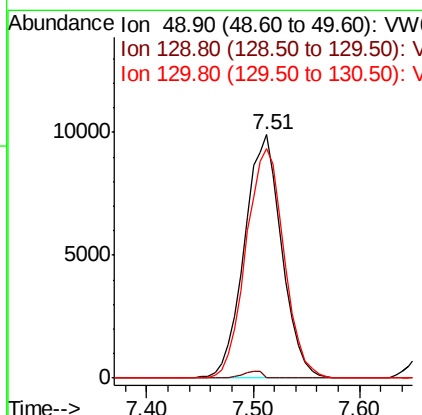
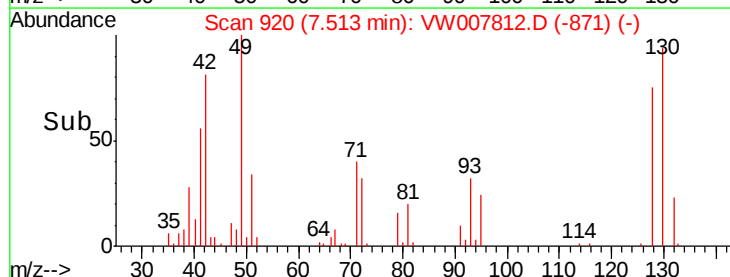
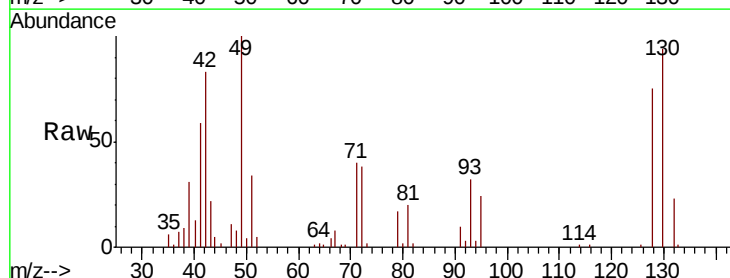
Instrument :
 MSVOA_W
 ClientSampled :

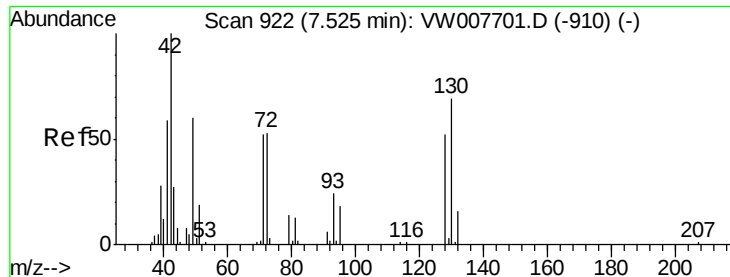
Tot Ion: 96 Resp: 40193
 Ion Ratio Lower Upper
 96 100
 61 133.4 0.0 271.6
 98 62.7 0.0 131.2



#28
 Bromochloromethane
 Concen: 59.340 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 49 Resp: 24353
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 2.2
 130 95.9 81.5 122.3

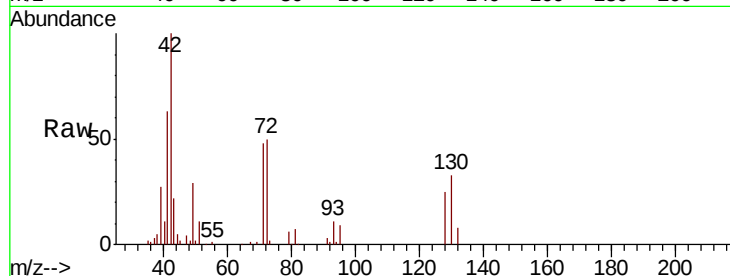




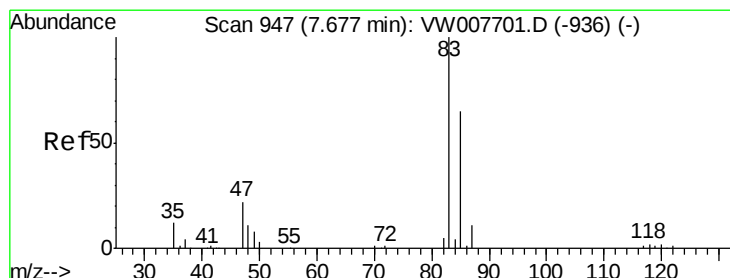
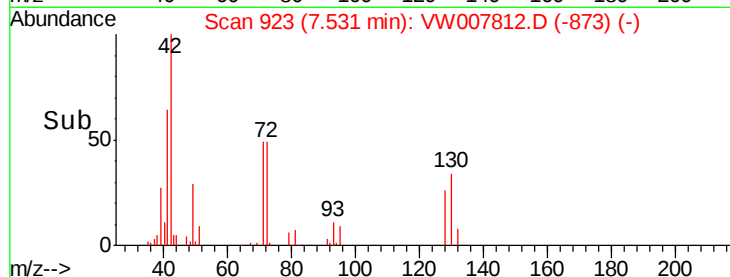
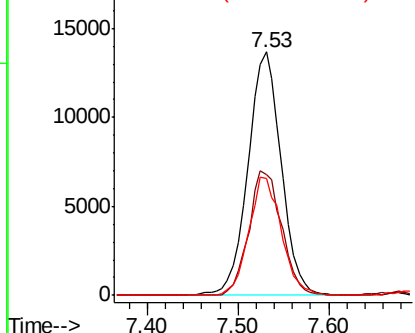
#29
Tetrahydrofuran
Concen: 357.782 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 34650
Ion Ratio Lower Upper
42 100
72 50.6 41.7 62.5
71 47.6 39.0 58.6

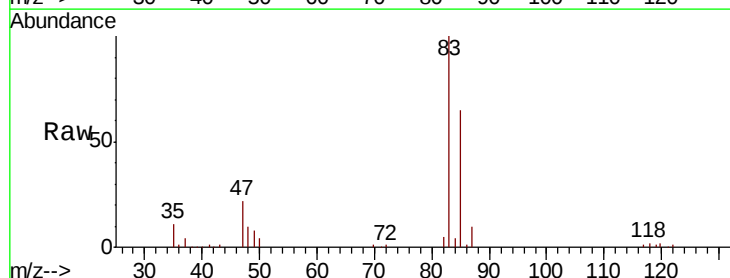


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

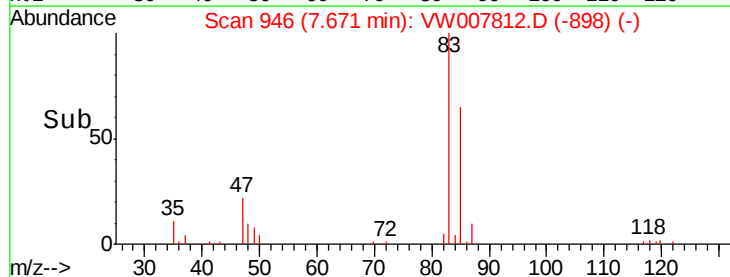
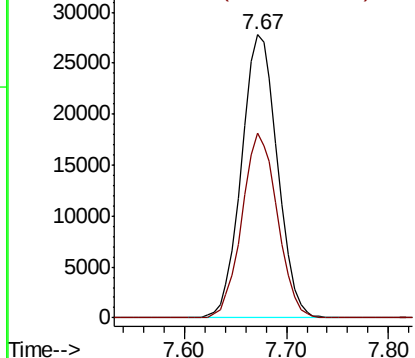


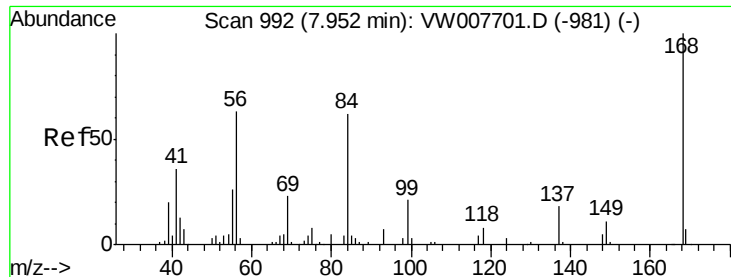
#30
Chloroform
Concen: 49.844 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 83 Resp: 67897
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.2



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

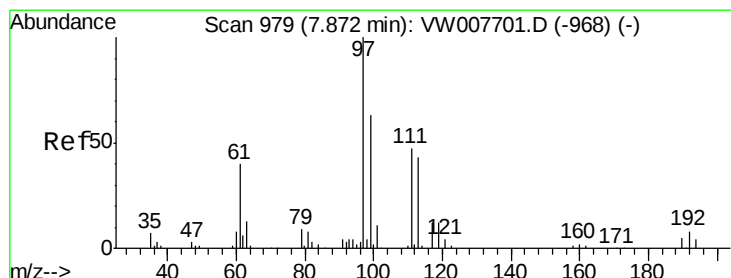
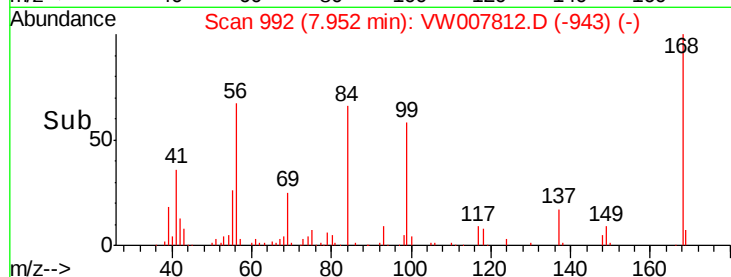
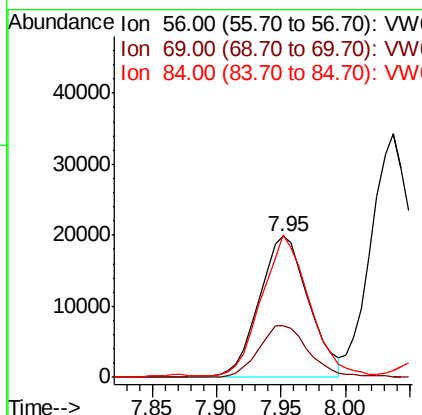
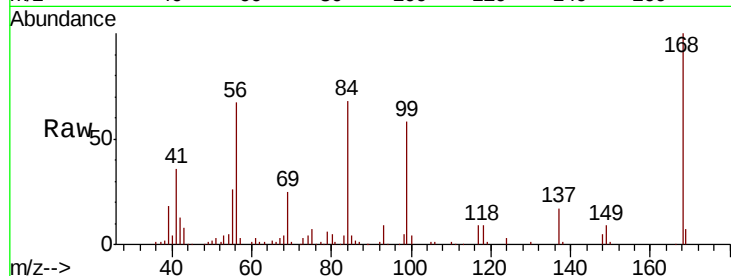




#31
Cyclohexane
Concen: 48.188 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

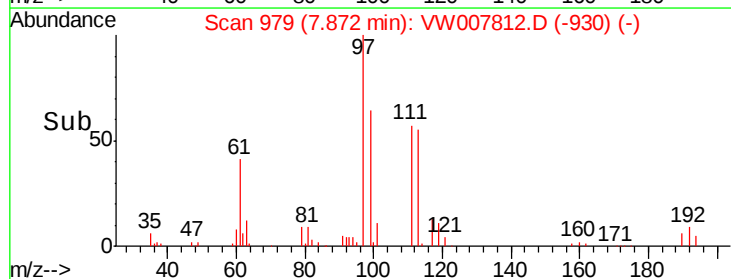
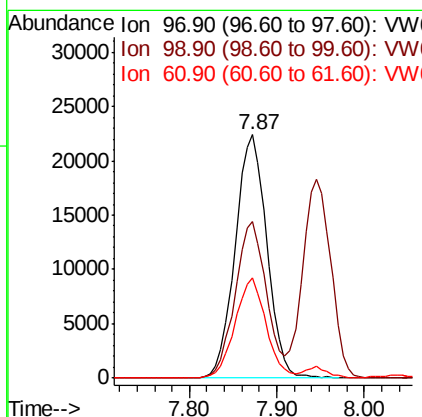
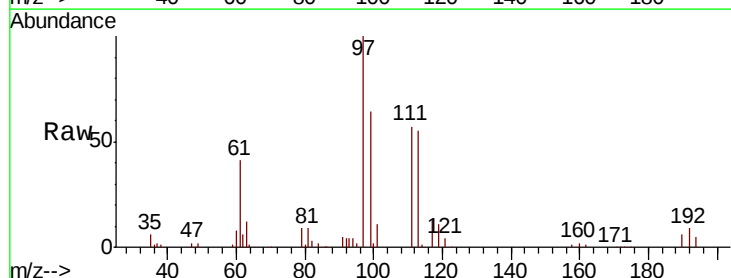
Instrument :
MSVOA_W
ClientSampled :

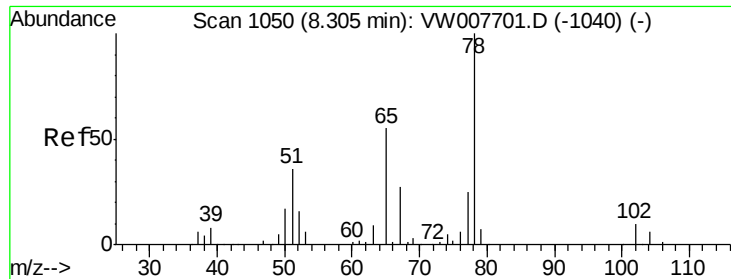
Tot Ion: 56 Resp: 53100
Ion Ratio Lower Upper
56 100
69 36.7 29.7 44.5
84 99.8 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 45.402 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 97 Resp: 56326
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 40.5 32.3 48.5

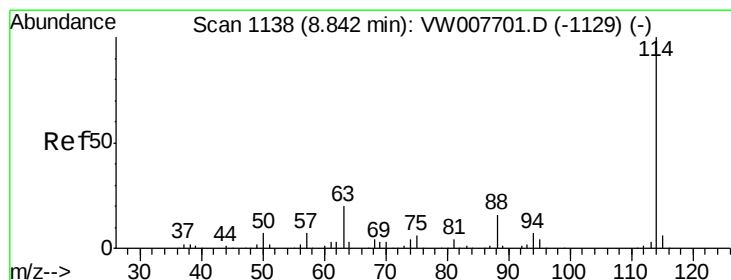
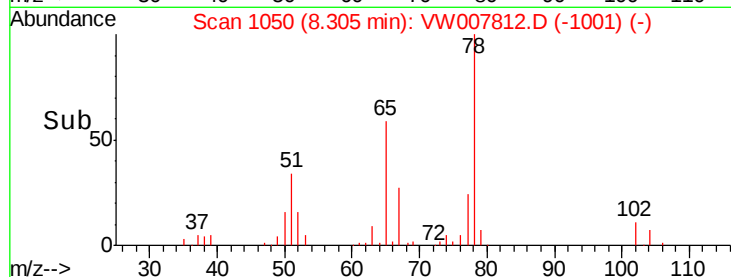
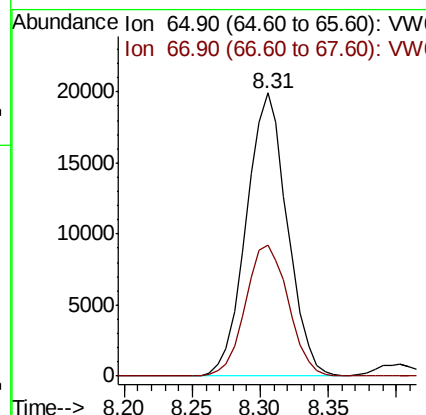
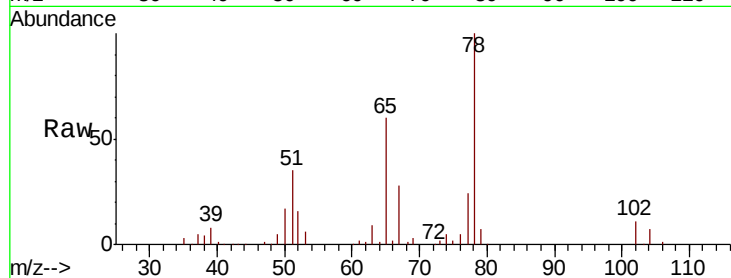




#33
 1,2-Dichloroethane-d4
 Concen: 56.868 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

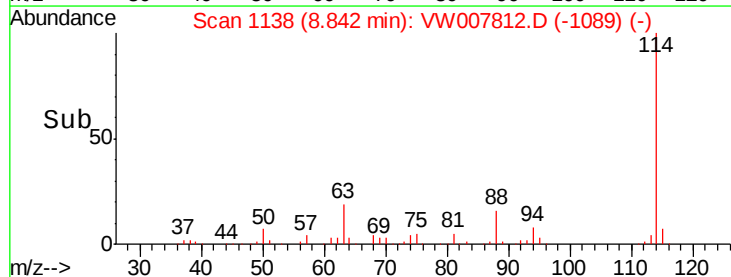
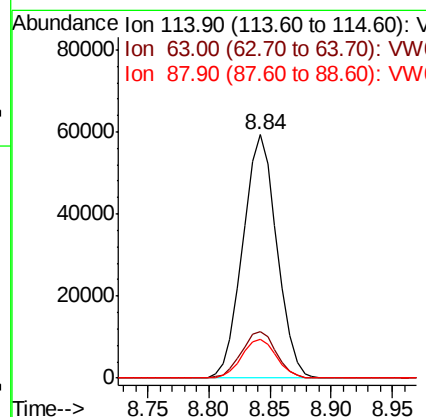
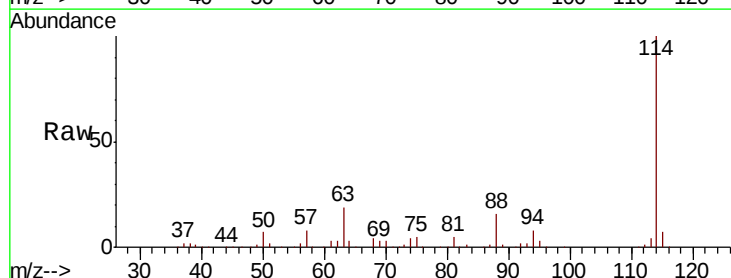
Instrument :
 MSVOA_W
 ClientSampleId :

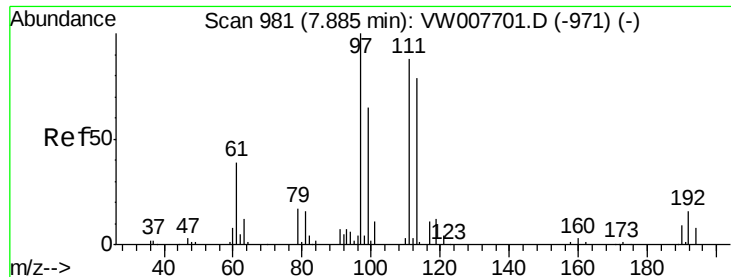
Tot Ion: 65 Resp: 42096
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 114 Resp: 114335
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.996 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

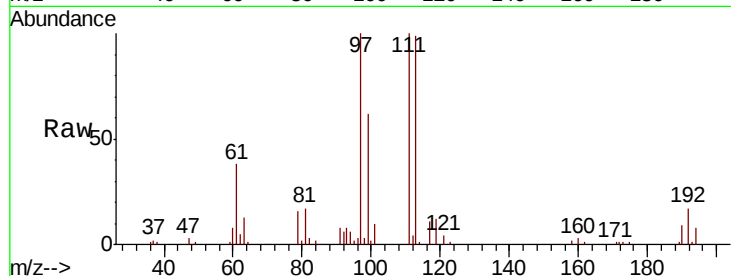
Tot Ion:113 Resp: 36267

Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

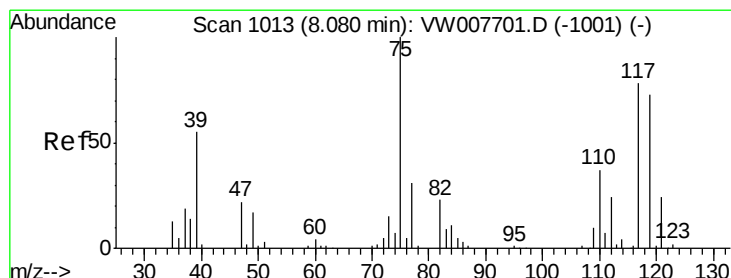
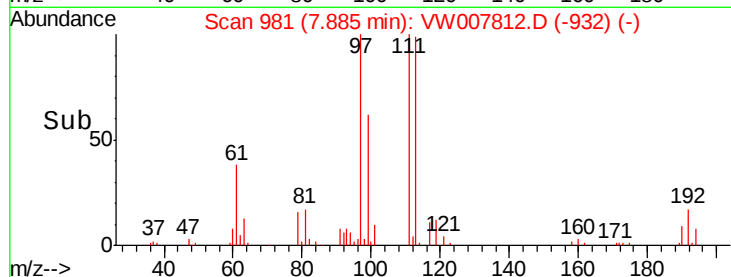
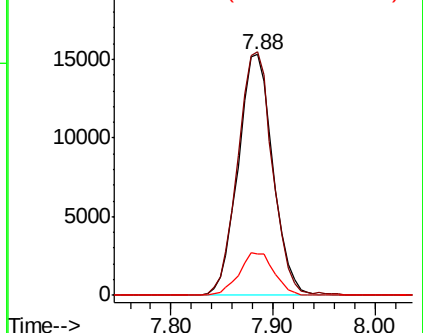
192 17.9 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.457 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

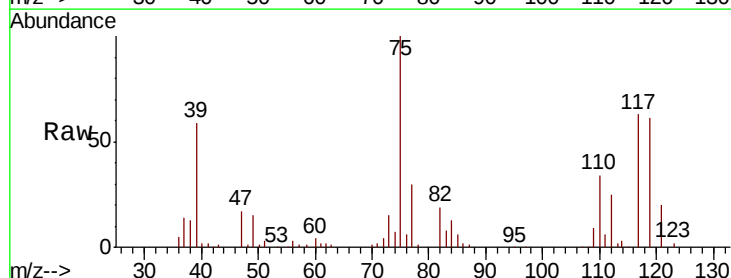
Tgt Ion: 75 Resp: 51267

Ion Ratio Lower Upper

75 100

110 36.2 18.6 55.8

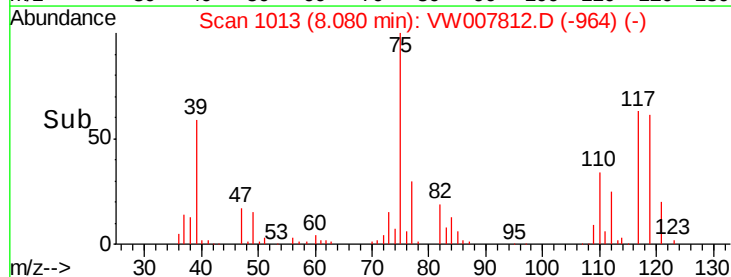
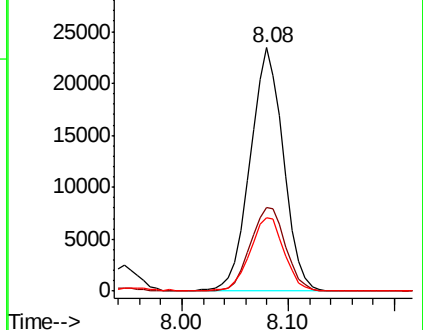
77 31.2 25.0 37.4

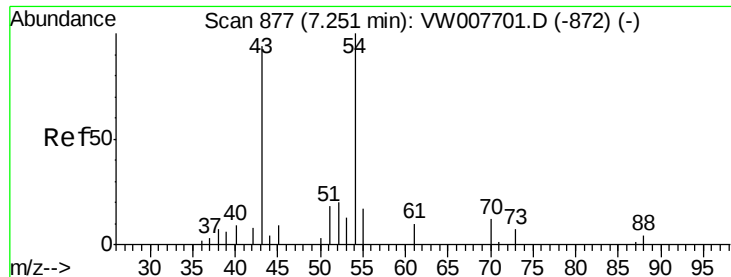


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

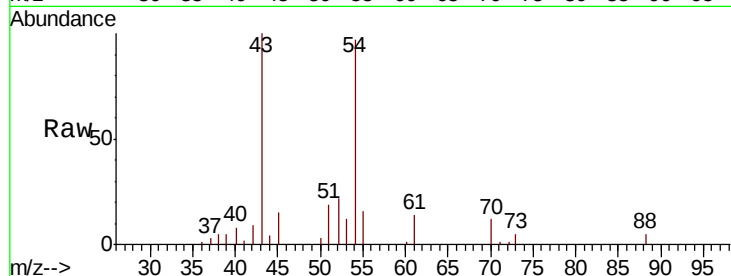




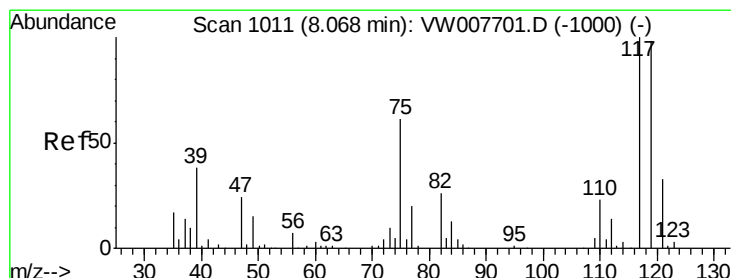
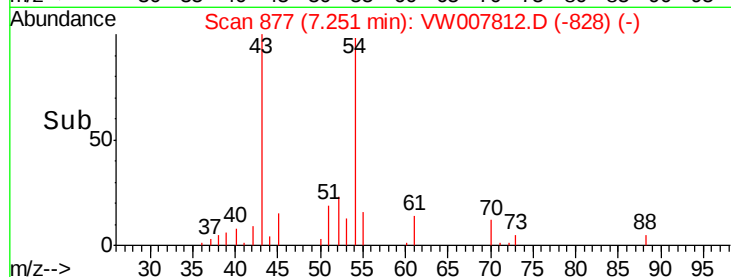
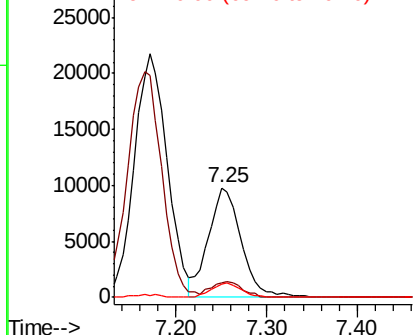
#37
Ethyl Acetate
Concen: 65.257 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleID :

Tot Ion: 43 Resp: 24853
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 11.8 9.3 13.9

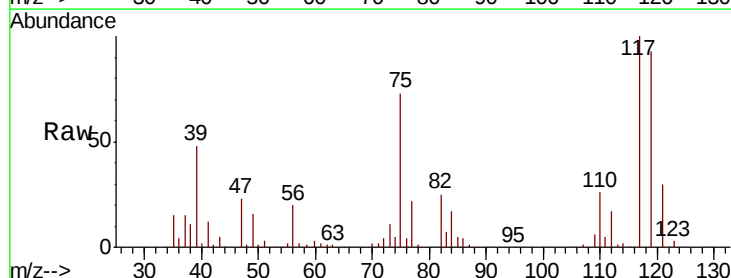


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

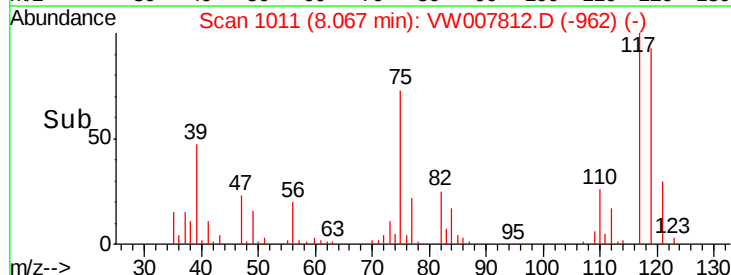
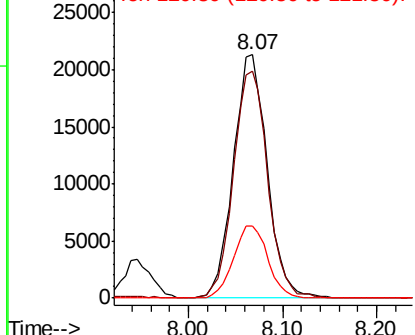


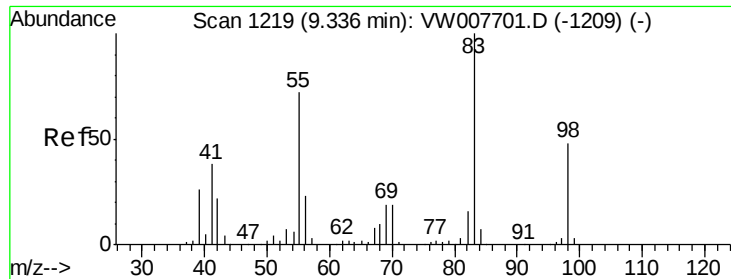
#38
Carbon Tetrachloride
Concen: 40.974 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 117 Resp: 53251
Ion Ratio Lower Upper
117 100
119 93.2 78.2 117.2
121 29.6 26.1 39.1



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

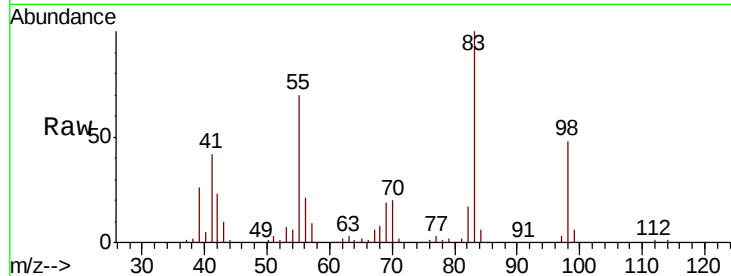




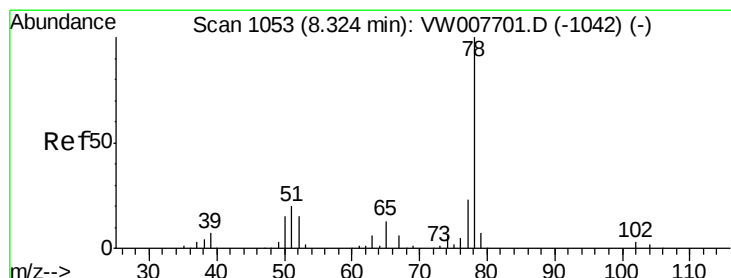
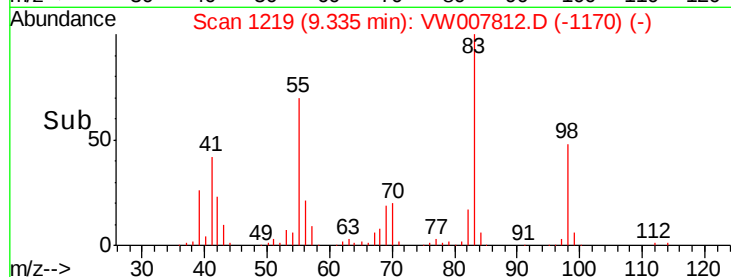
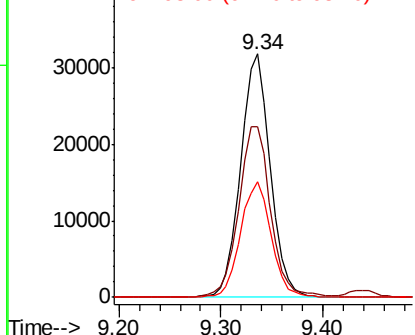
#39
Methvlcvclohexane
Concen: 46.791 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 64163
Ion Ratio Lower Upper
83 100
55 69.9 57.2 85.8
98 47.7 38.6 58.0

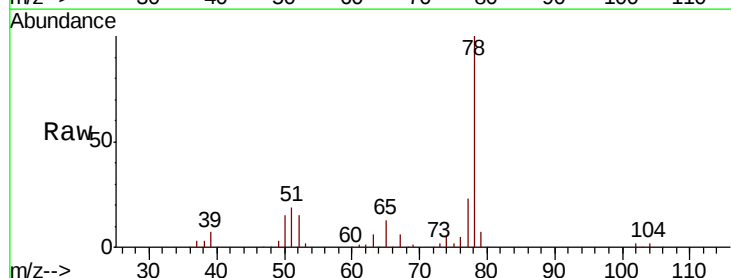


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

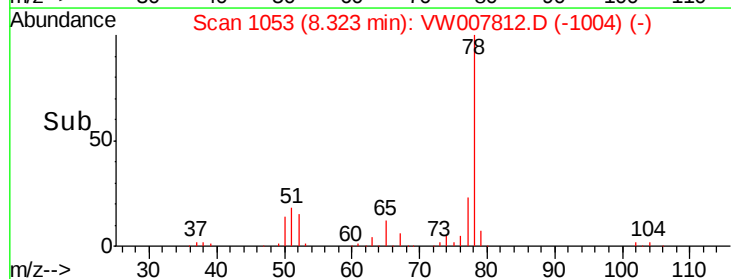
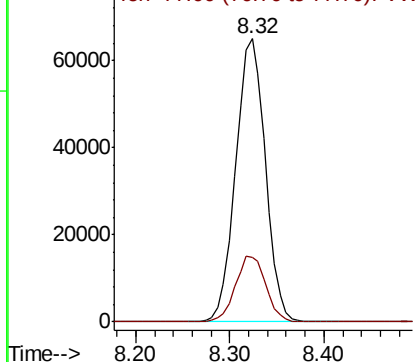


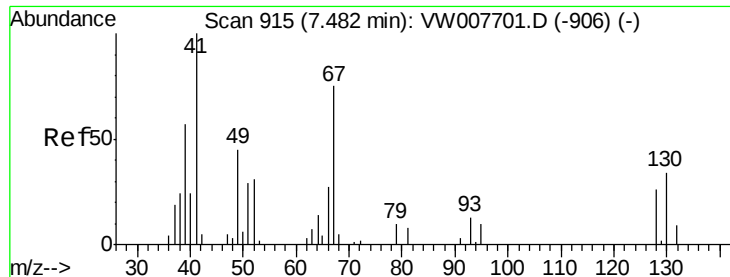
#40
Benzene
Concen: 48.373 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 78 Resp: 142448
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

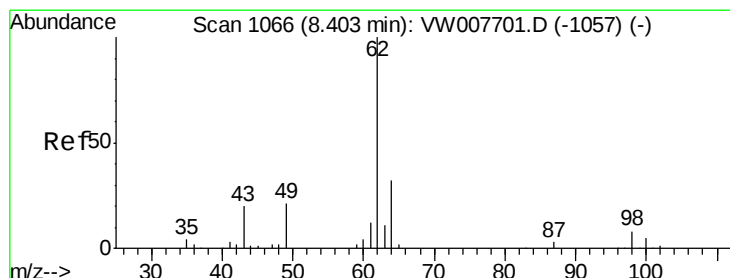
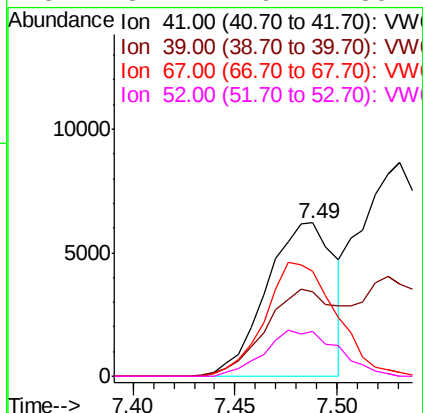
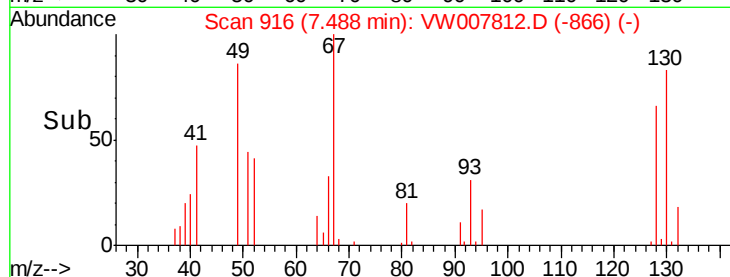
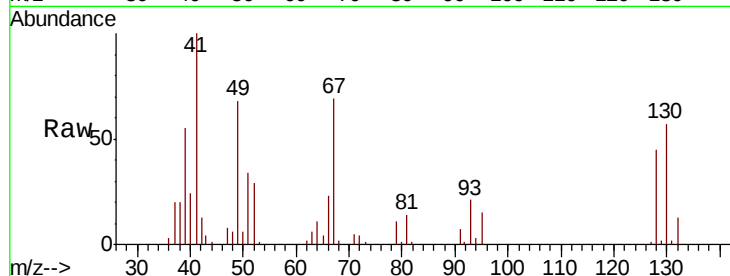




#41
Methacrylonitrile
Concen: 66.652 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

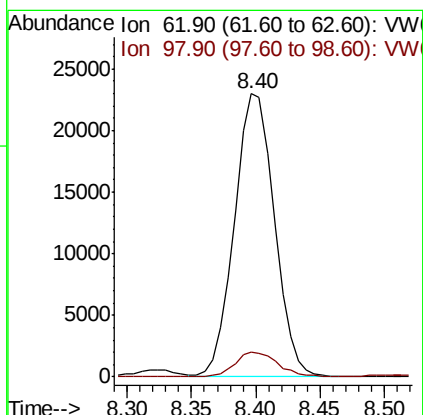
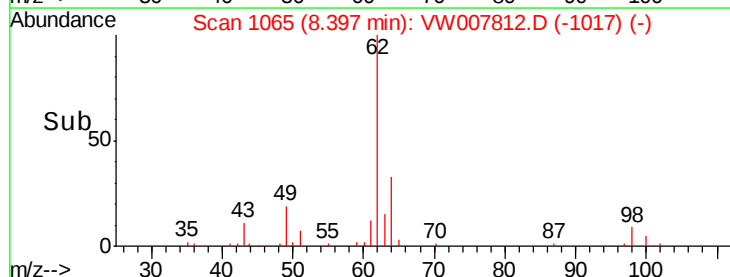
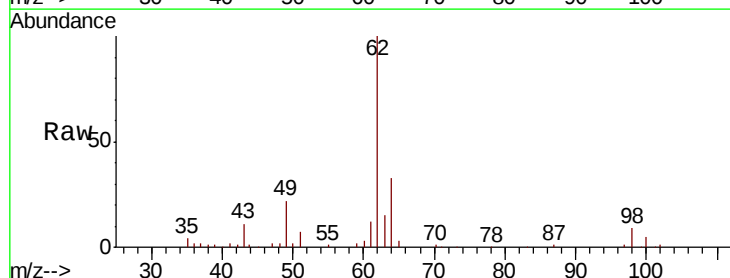
Instrument :
MSVOA_W
ClientSampleId :

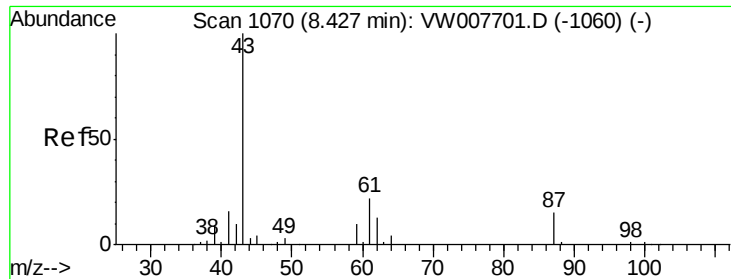
Tot Ion:	41	Resp:	14412
Ion	Ratio	Lower	Upper
41	100		
39	57.2	54.2	81.4
67	77.4	65.7	98.5
52	32.4	26.2	39.4



#42
1,2-Dichloroethane
Concen: 50.312 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:	62	Resp:	49651
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 67.413 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

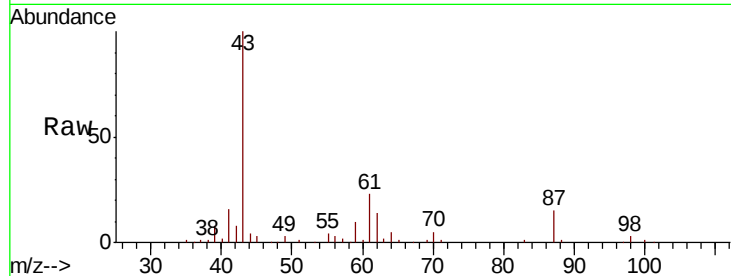
Tot Ion: 43 Resp: 51437

Ion Ratio Lower Upper

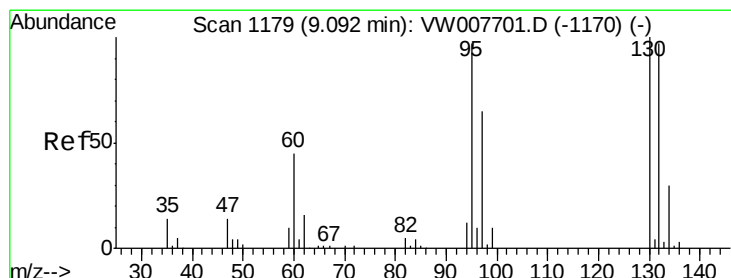
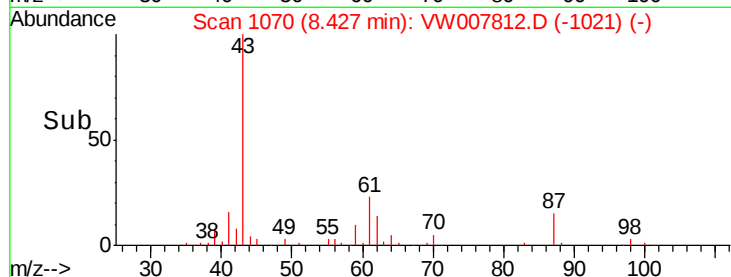
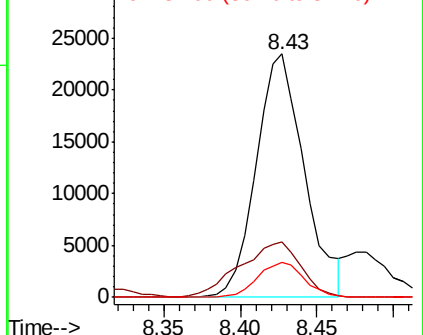
43 100

61 28.7 26.3 39.5

87 13.8 12.0 18.0



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



#44

Trichloroethene

Concen: 45.461 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007812.D

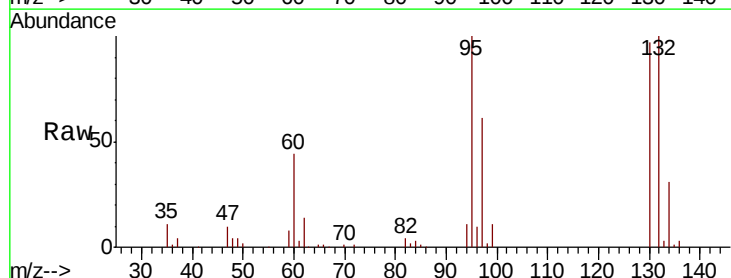
Acq: 21 Dec 2018 22:52

Tgt Ion: 130 Resp: 40485

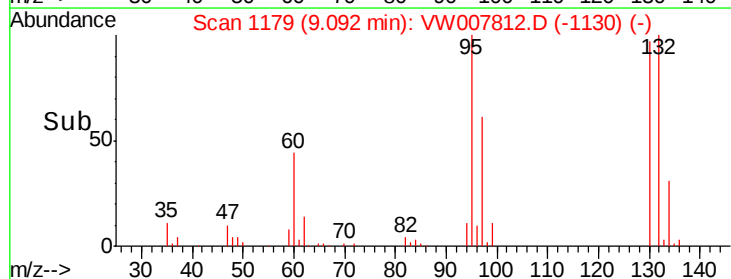
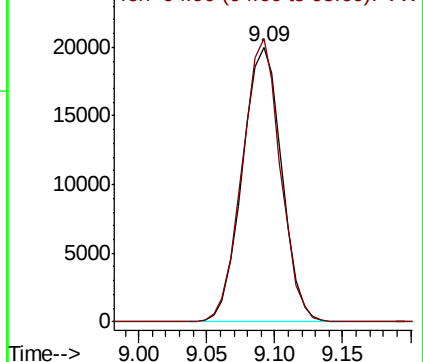
Ion Ratio Lower Upper

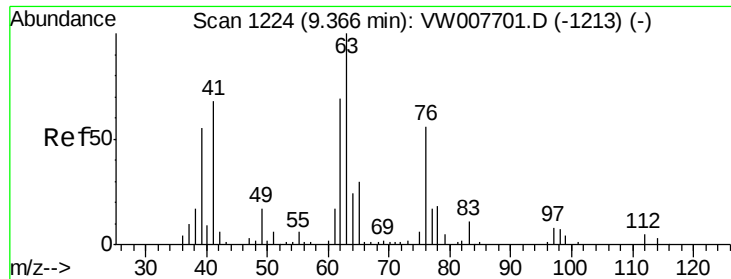
130 100

95 103.0 0.0 194.8



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





#45

1,2-Dichloropropane

Concen: 50.715 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

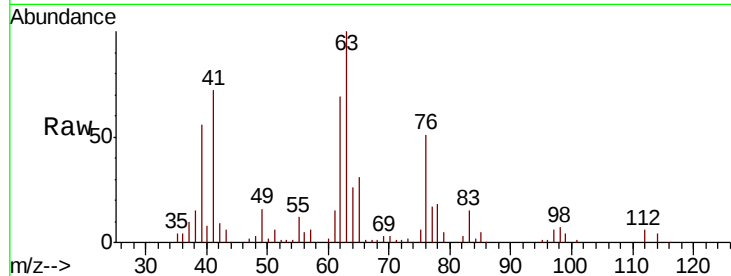
ClientSampleId :

Tot Ion: 63 Resp: 33138

Ion Ratio Lower Upper

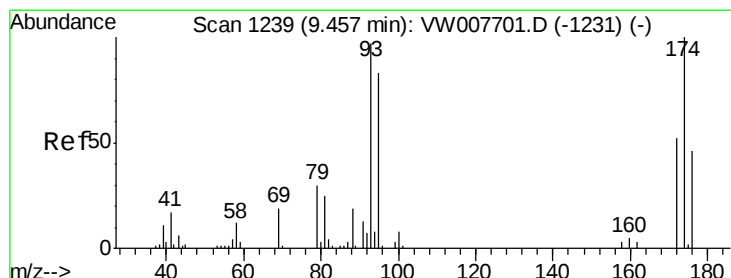
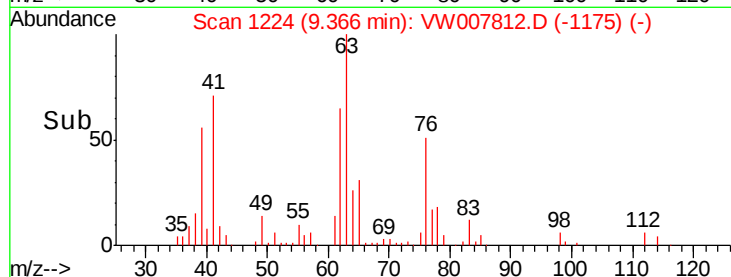
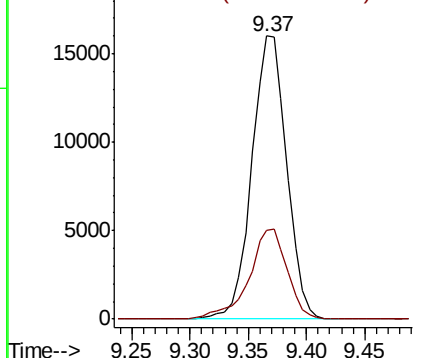
63 100

65 31.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.433 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

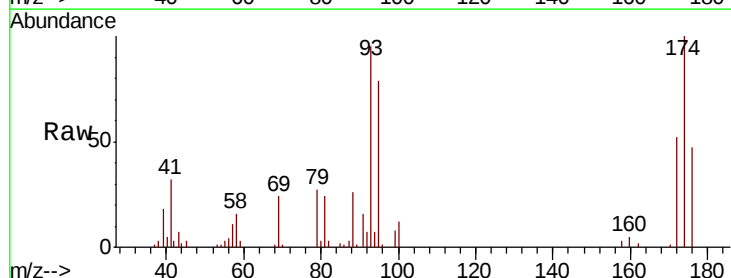
Tgt Ion: 93 Resp: 21090

Ion Ratio Lower Upper

93 100

95 80.7 67.5 101.3

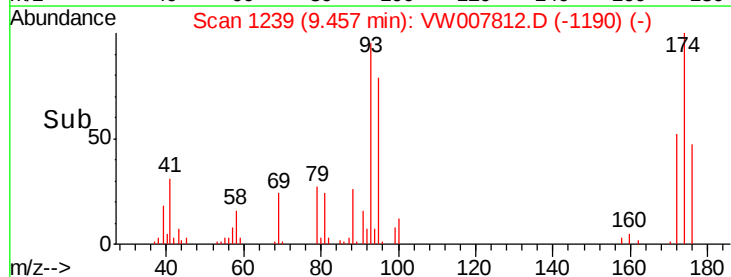
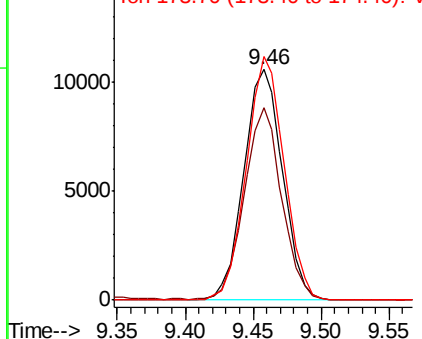
174 103.0 83.9 125.9

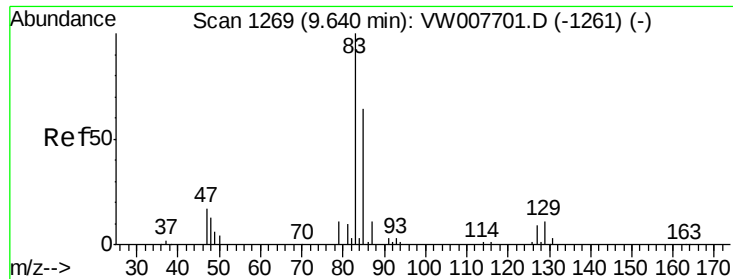


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

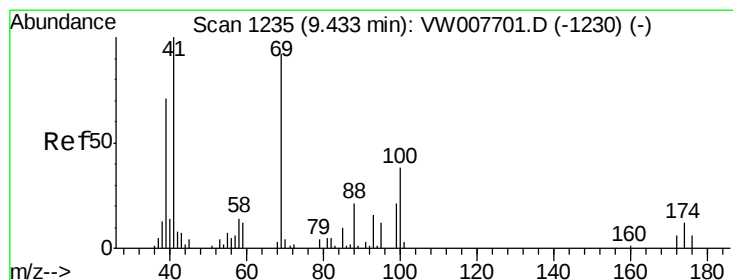
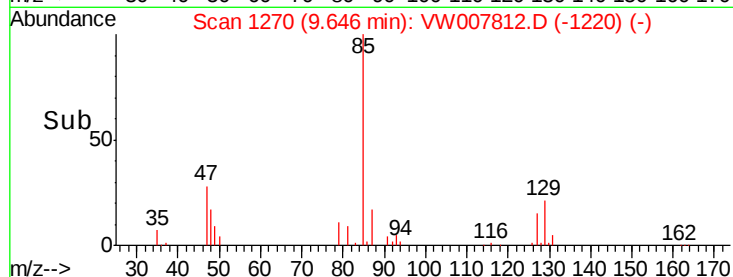
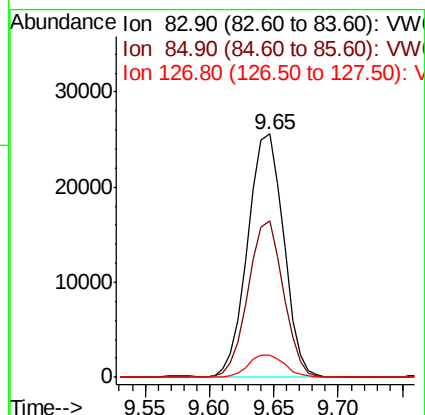
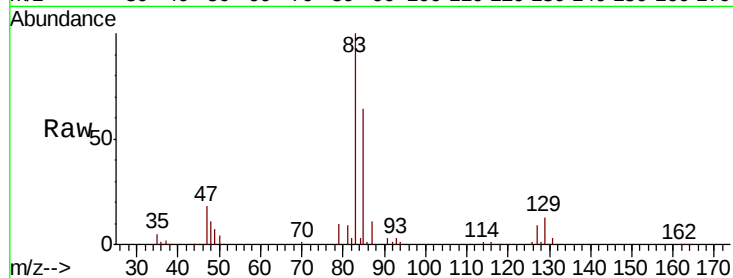




#47
Bromodichloromethane
Concen: 46.856 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

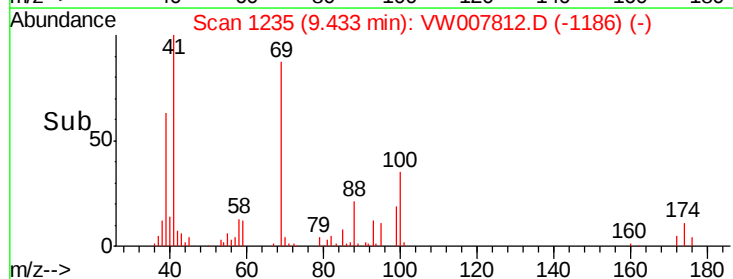
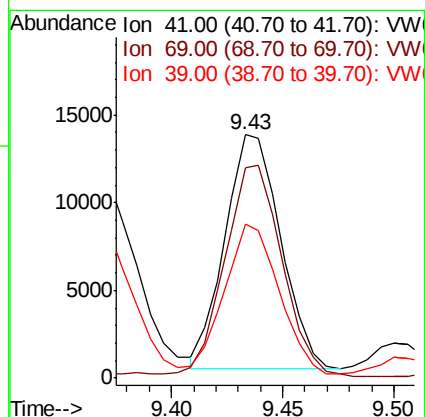
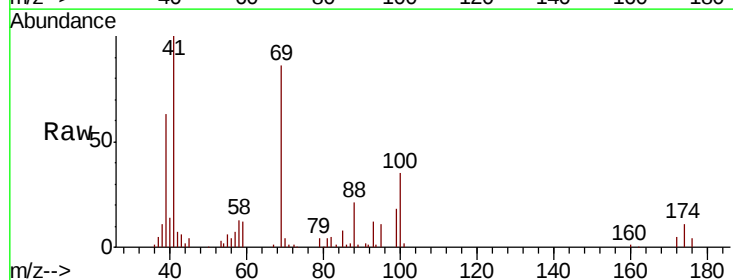
Instrument :
MSVOA_W
ClientSampleId :

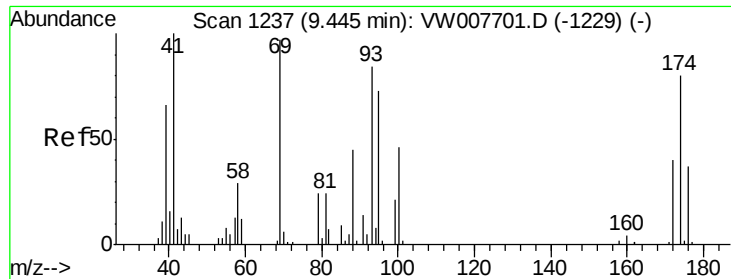
Tot Ion: 83 Resp: 49546
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.0
127 9.4 7.5 11.3



#48
Methyl methacrylate
Concen: 61.109 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 41 Resp: 23274
Ion Ratio Lower Upper
41 100
69 95.0 74.2 111.2
39 67.7 53.9 80.9





#49

1,4-Dioxane

Concen: 1314.234 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampled :

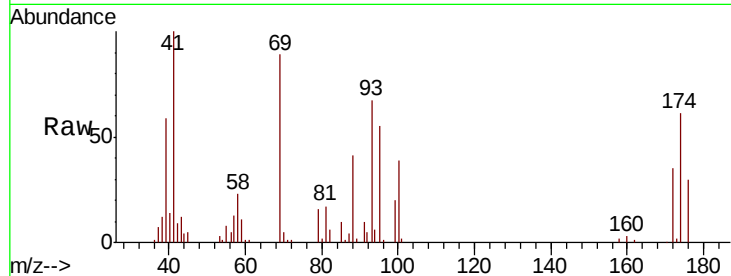
Tot Ion: 88 Resp: 8381

Ion Ratio Lower Upper

88 100

43 30.6 25.6 38.4

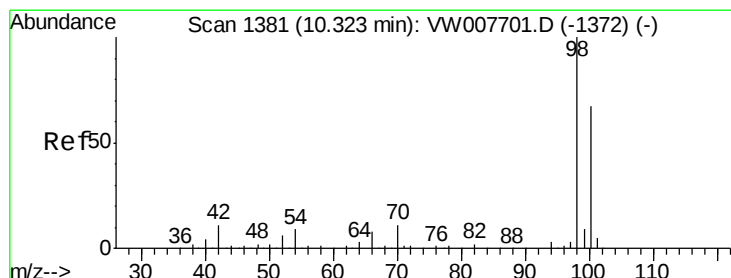
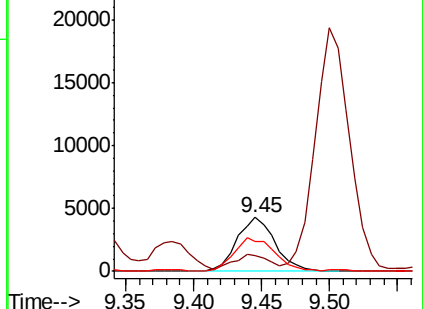
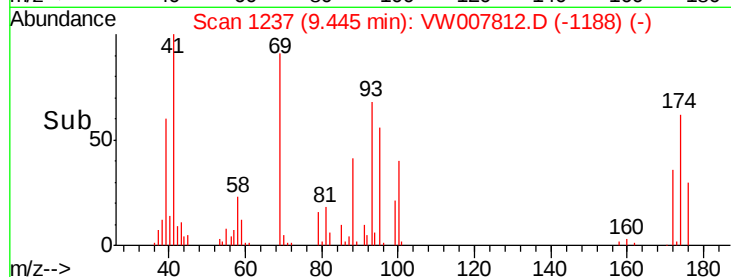
58 66.3 52.3 78.5



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: 51.324 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007812.D

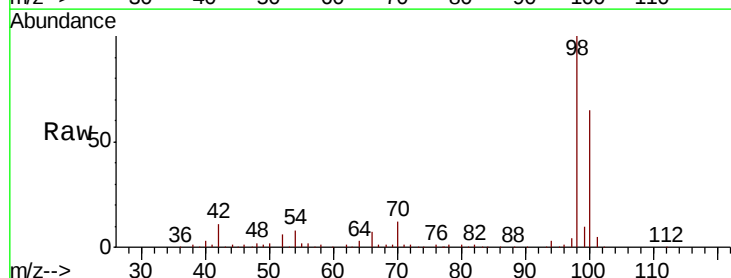
Acq: 21 Dec 2018 22:52

Tgt Ion: 98 Resp: 134955

Ion Ratio Lower Upper

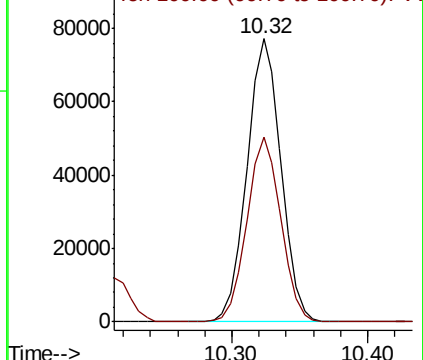
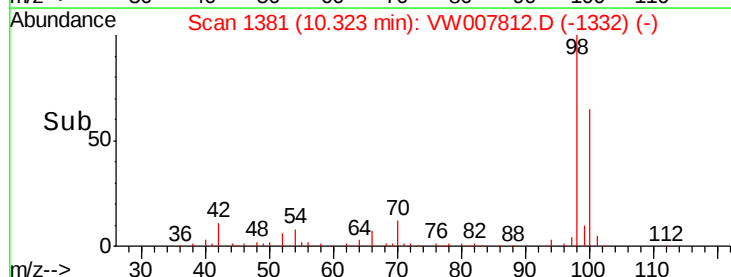
98 100

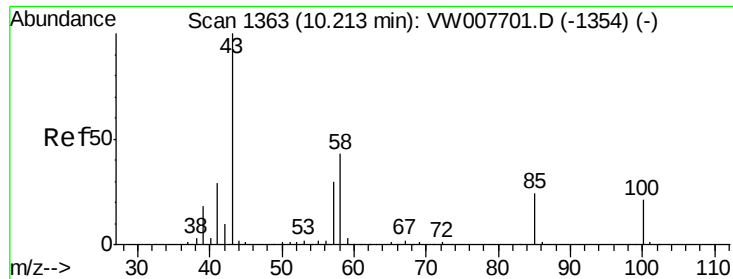
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 330.184 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

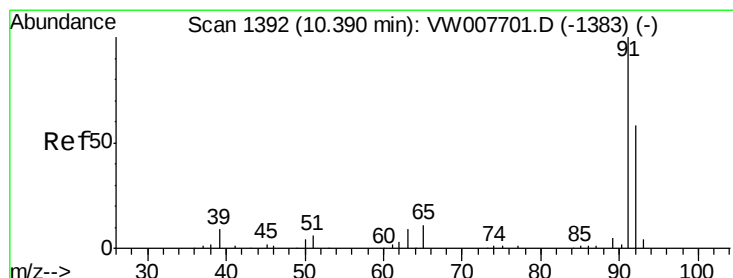
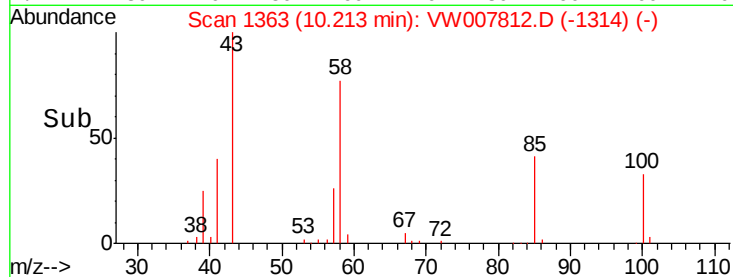
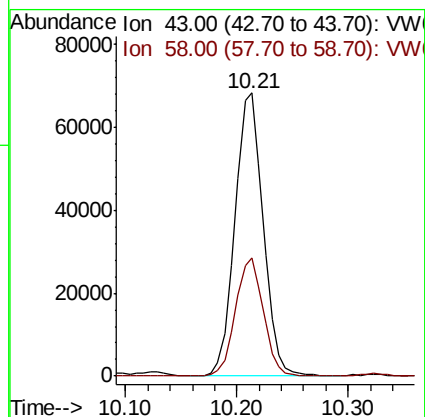
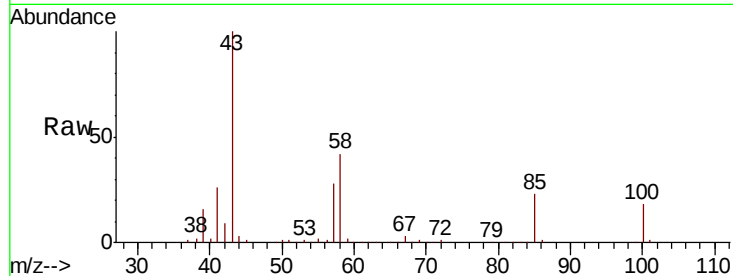
ClientSampleId :

Tot Ion: 43 Resp: 119063

Ion Ratio Lower Upper

43 100

58 41.4 33.2 49.8



#52

Toluene

Concen: 52.358 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007812.D

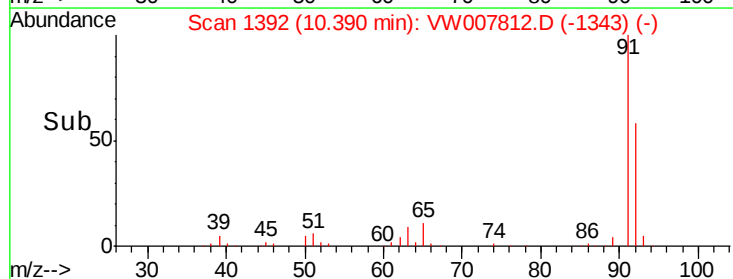
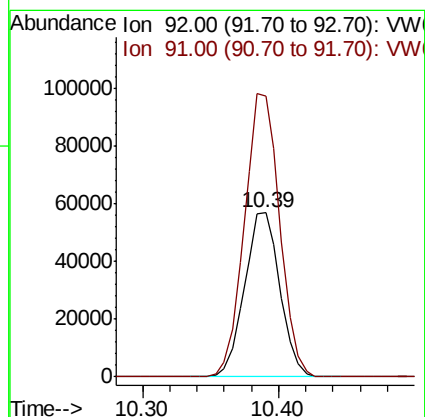
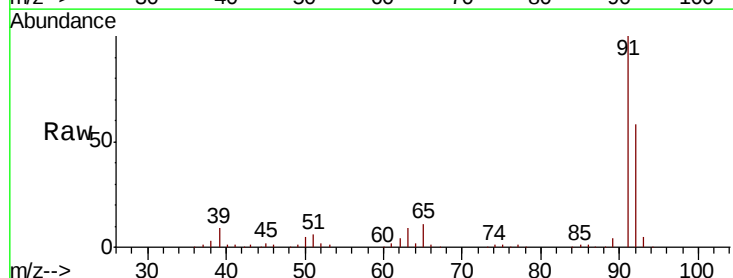
Acq: 21 Dec 2018 22:52

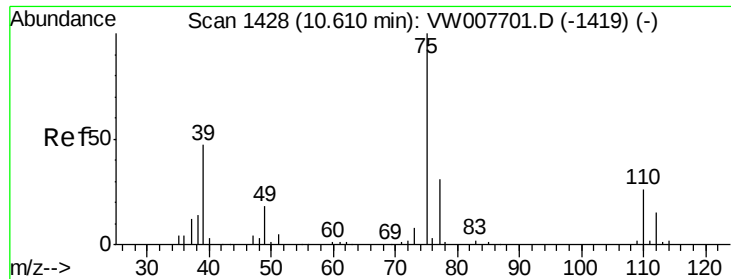
Tgt Ion: 92 Resp: 103446

Ion Ratio Lower Upper

92 100

91 172.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 50.819 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

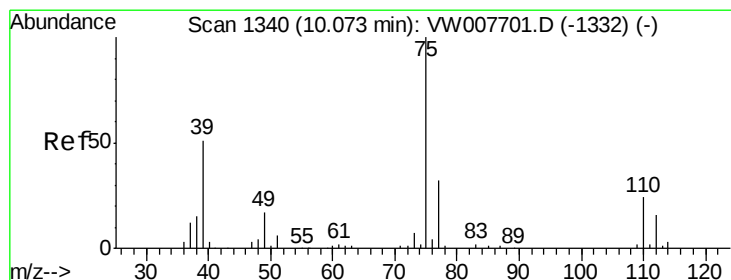
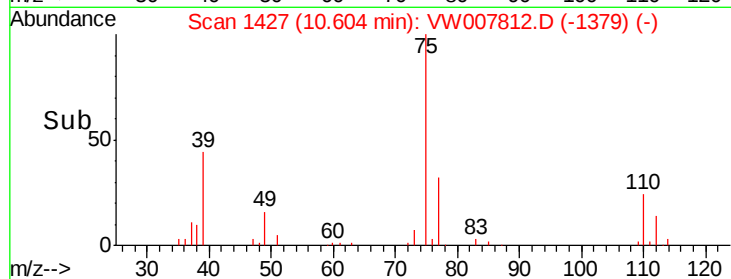
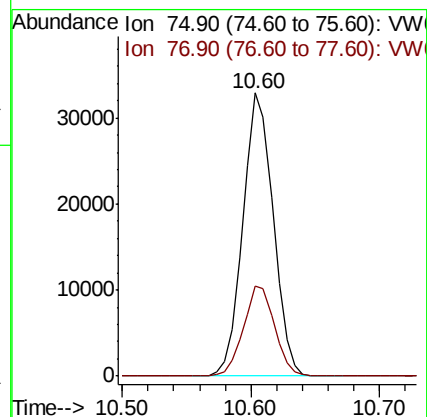
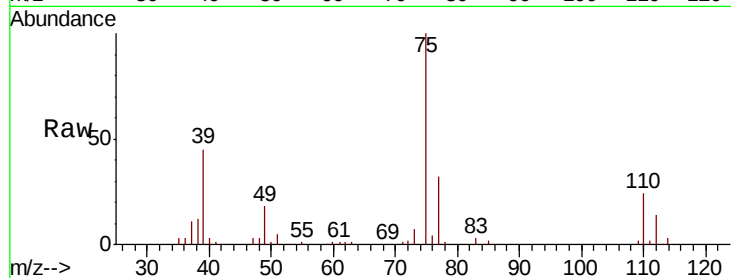
ClientSampled :

Tot Ion: 75 Resp: 53450

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 49.283 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

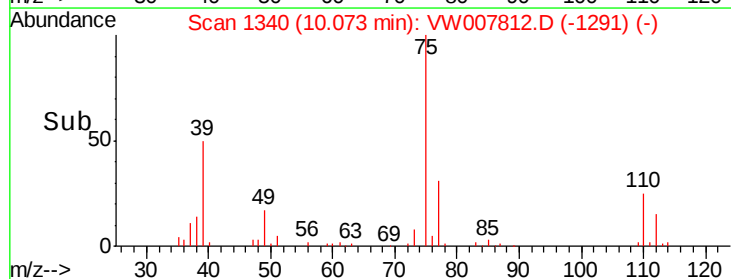
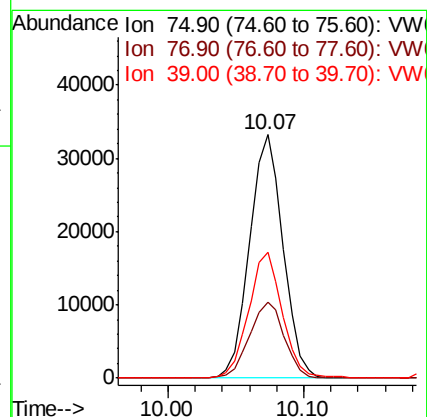
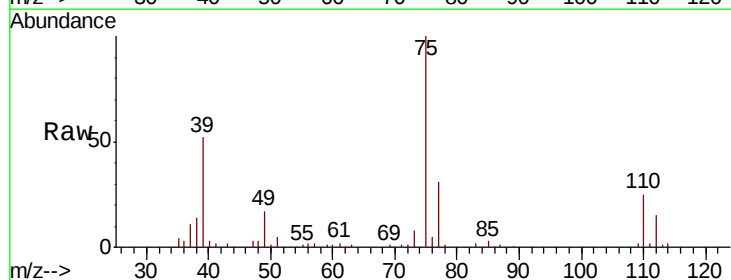
Tgt Ion: 75 Resp: 57255

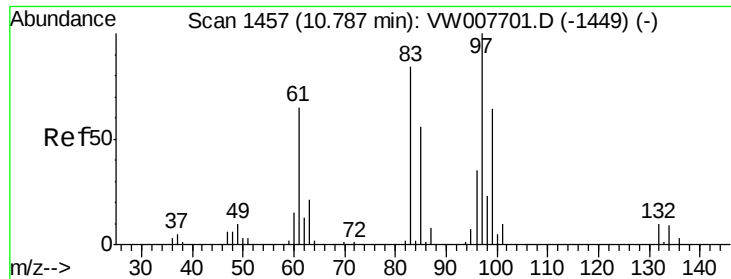
Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 51.6 41.2 61.8

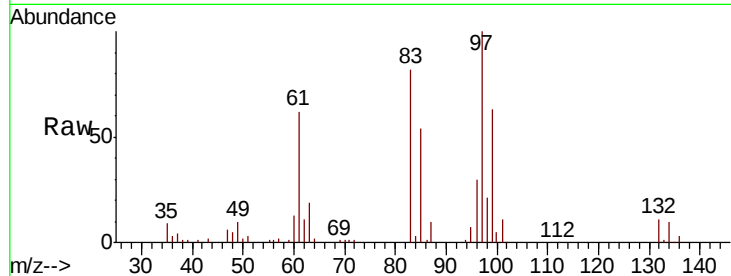




#55
 1,1,2-Trichloroethane
 Concen: 56.860 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	31529
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.5	101.3
85	54.2	44.8	67.2
99	63.3	51.0	76.4



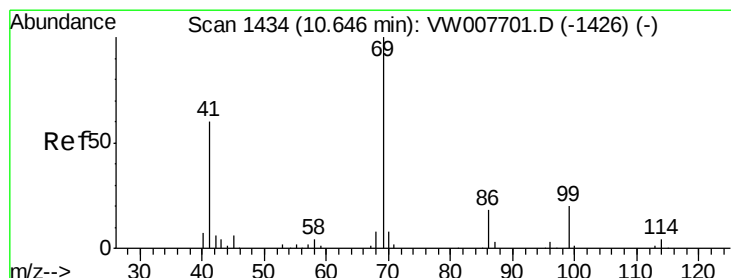
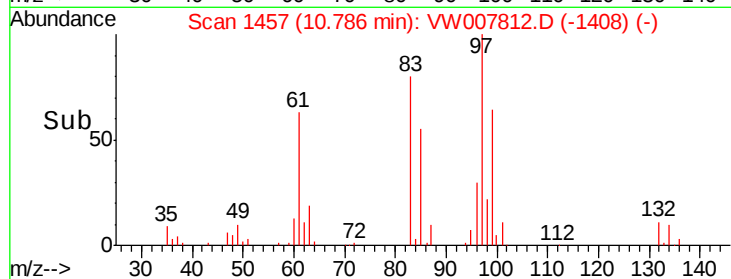
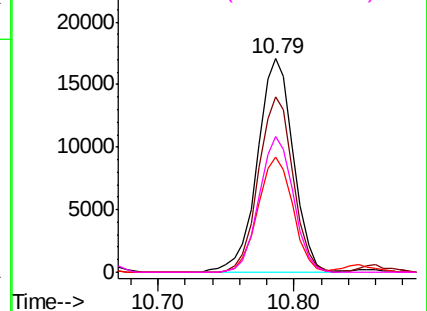
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

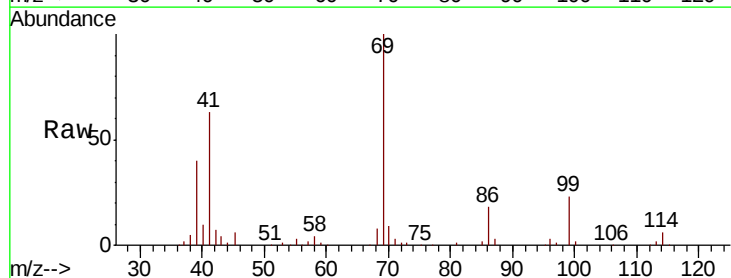
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 60.843 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion:	69	Resp:	39861
Ion	Ratio	Lower	Upper
69	100		
41	64.3	48.9	73.3
39	36.5	31.3	46.9

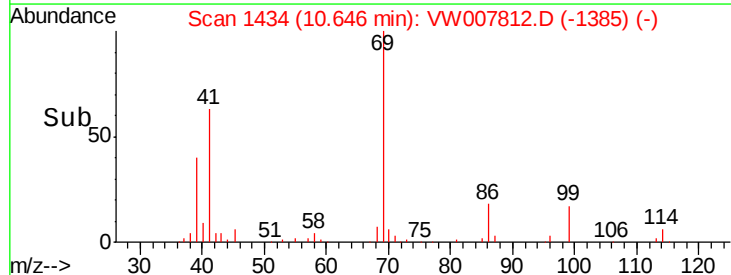
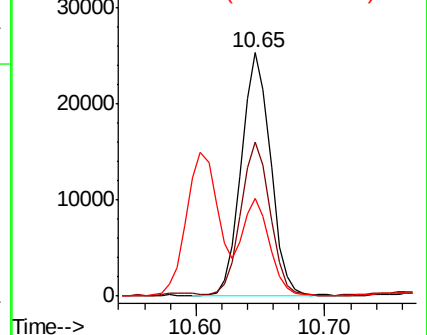


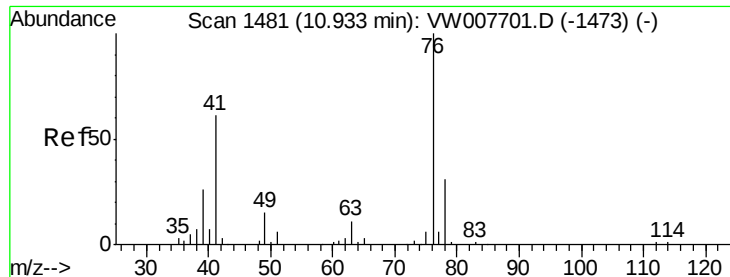
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

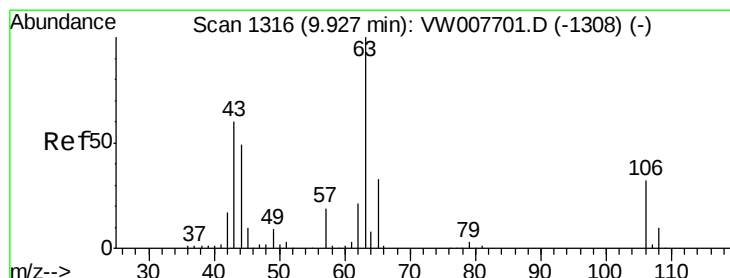
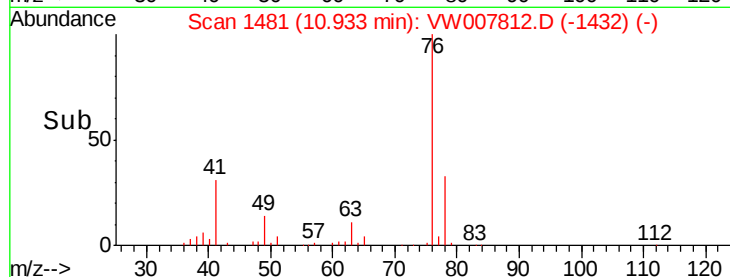
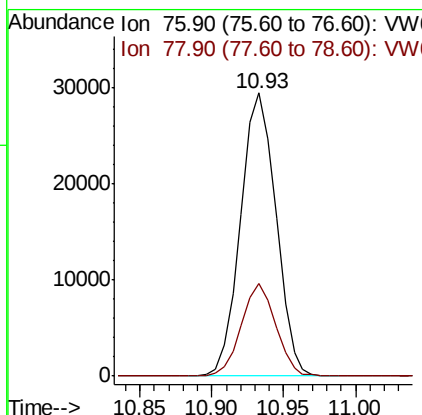
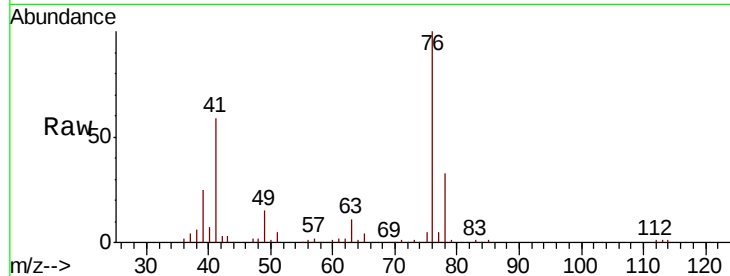




#57
 1,3-Dichloropropane
 Concen: 54.588 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

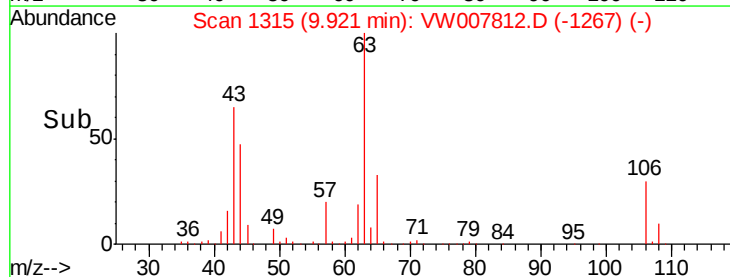
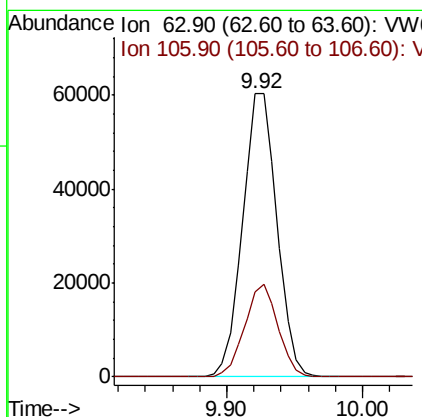
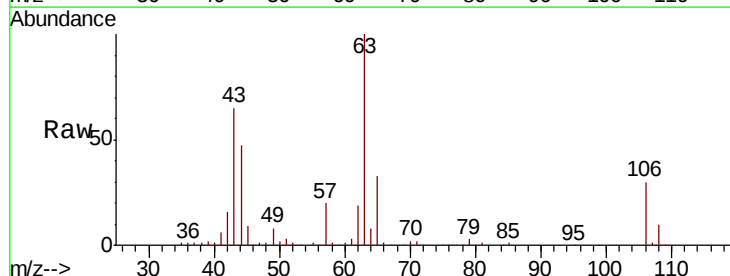
Instrument :
 MSVOA_W
 ClientSampled :

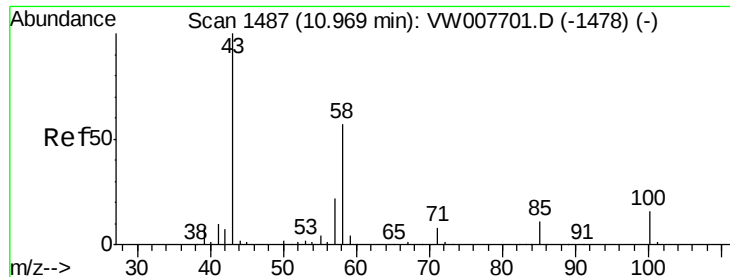
Tot Ion: 76 Resp: 50263
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 356.422 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 63 Resp: 106614
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.9 38.9





#59

2-Hexanone

Concen: 339.852 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

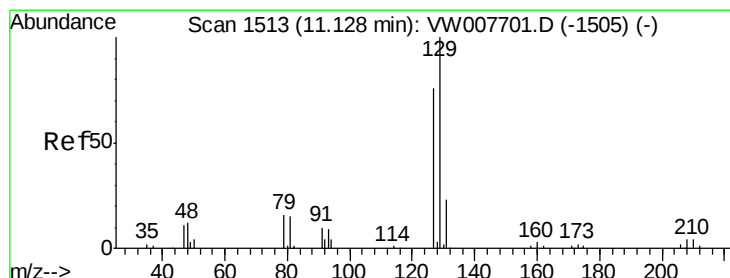
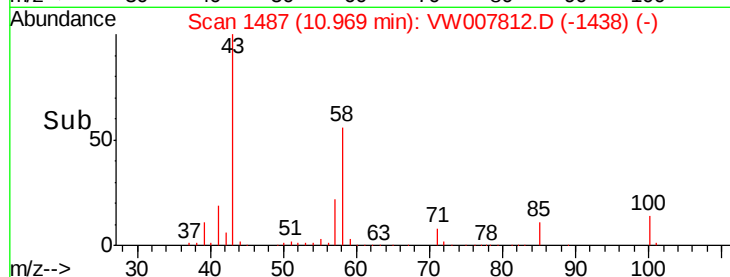
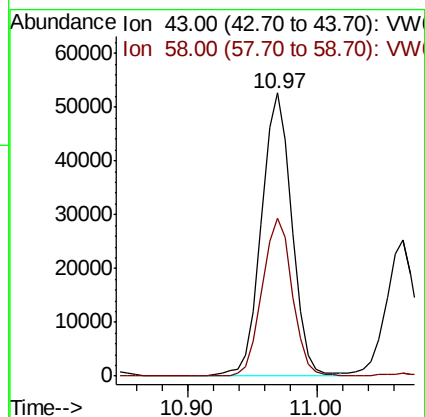
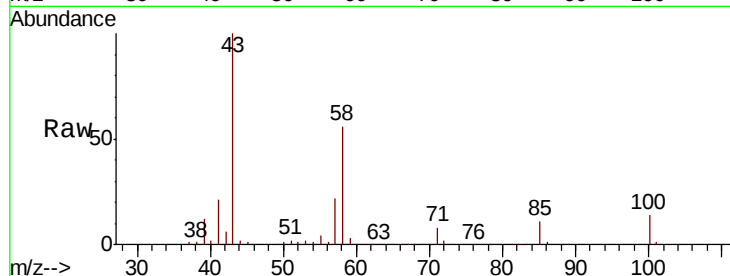
ClientSampled :

Tot Ion: 43 Resp: 86185

Ion Ratio Lower Upper

43 100

58 54.8 27.7 83.1



#60

Dibromochloromethane

Concen: 47.502 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007812.D

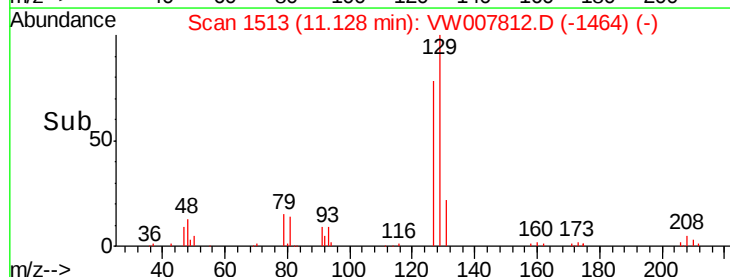
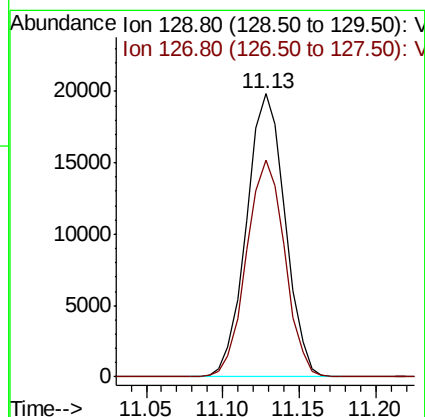
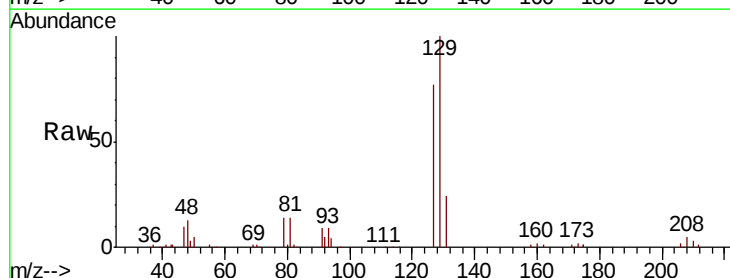
Acq: 21 Dec 2018 22:52

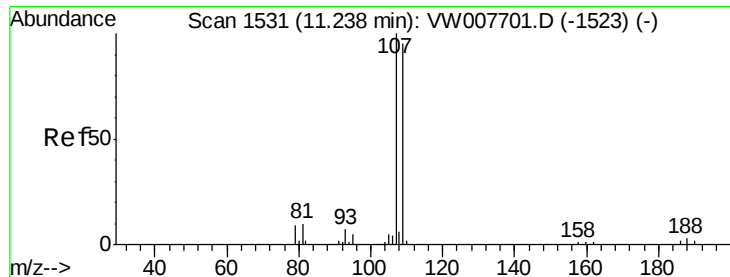
Tgt Ion: 129 Resp: 34876

Ion Ratio Lower Upper

129 100

127 75.8 38.3 114.9

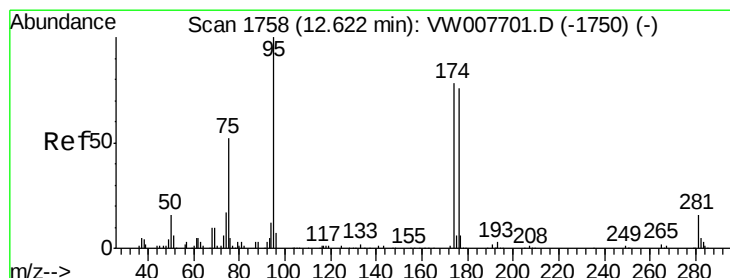
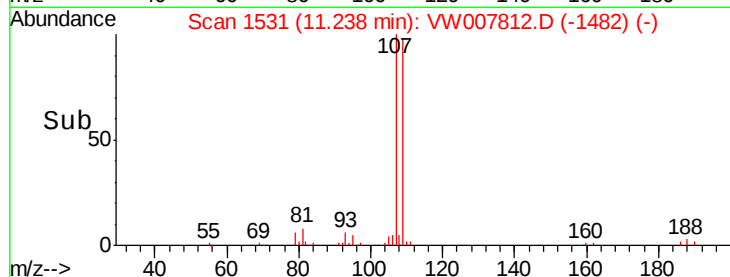
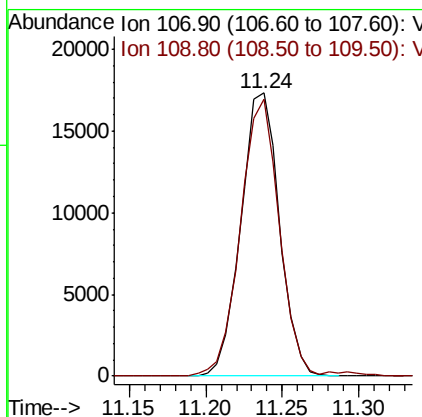
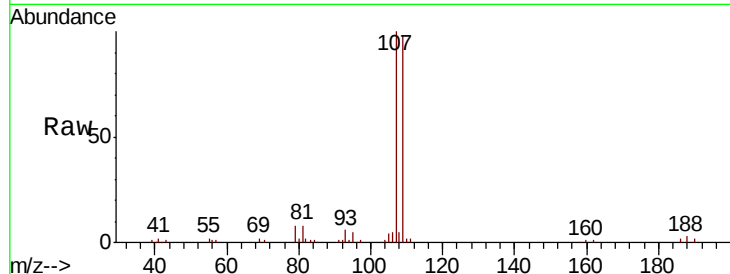




#61
 1,2-Dibromoethane
 Concen: 54.045 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

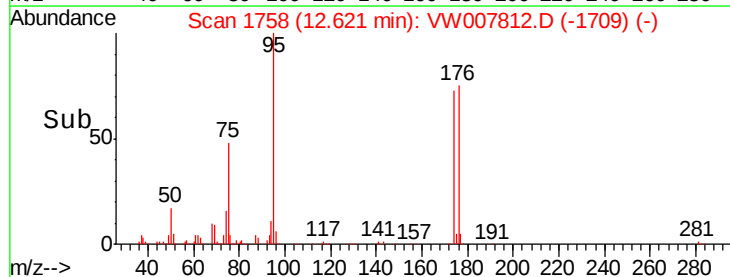
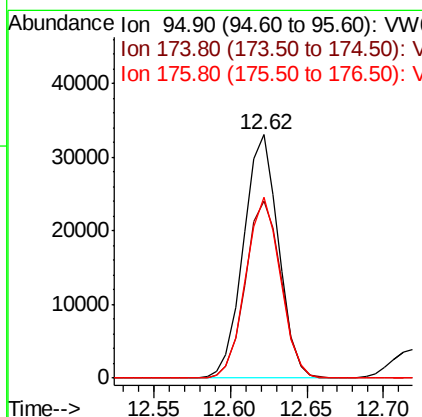
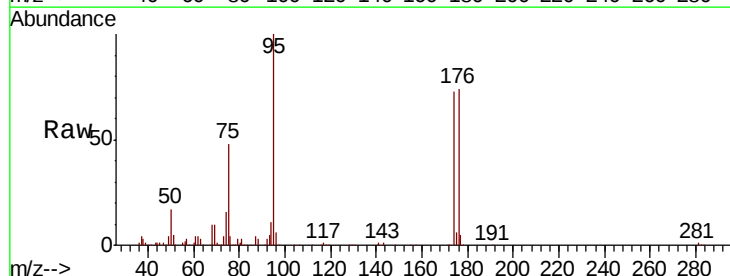
Instrument :
 MSVOA_W
 ClientSampleId :

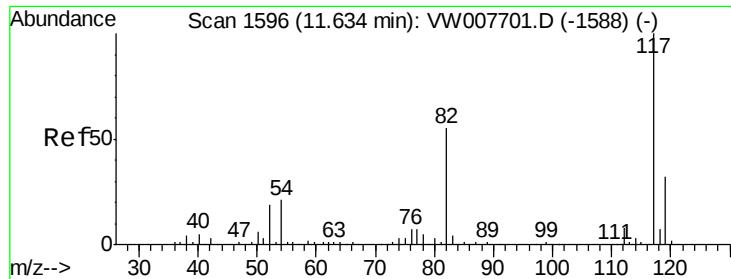
Tot Ion:107 Resp: 30348
 Ion Ratio Lower Upper
 107 100
 109 98.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.741 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 95 Resp: 52560
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 152.2
 176 73.6 0.0 146.8

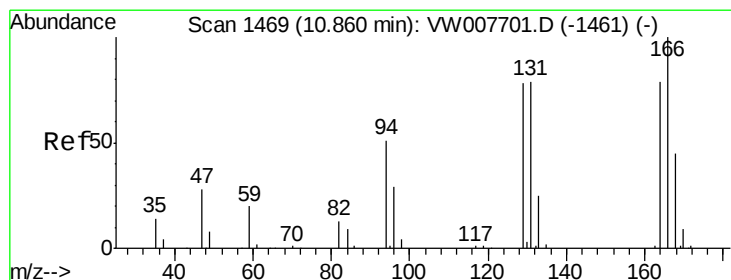
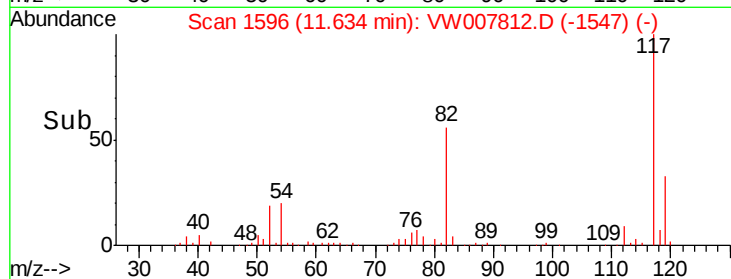
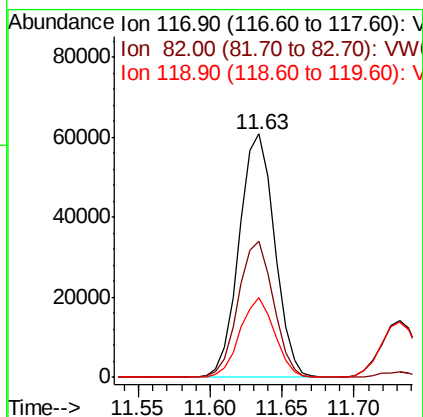
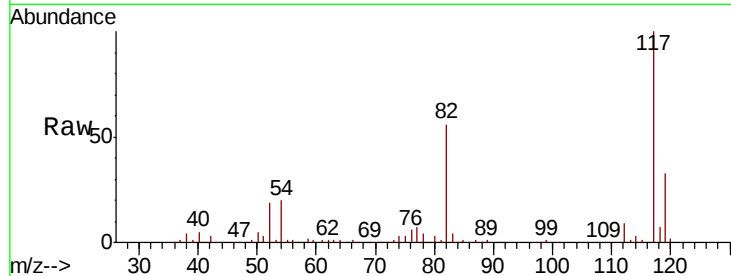




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

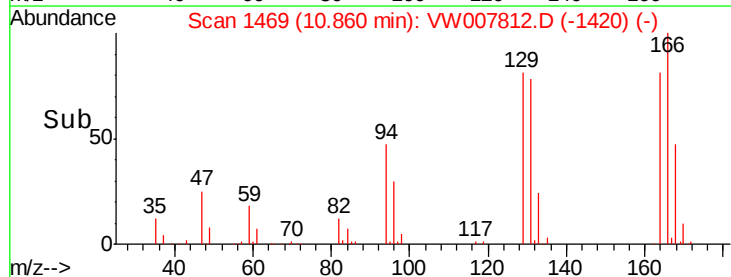
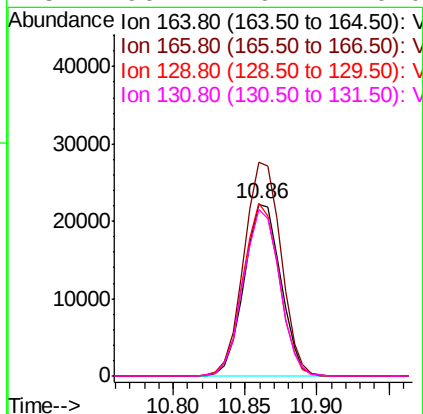
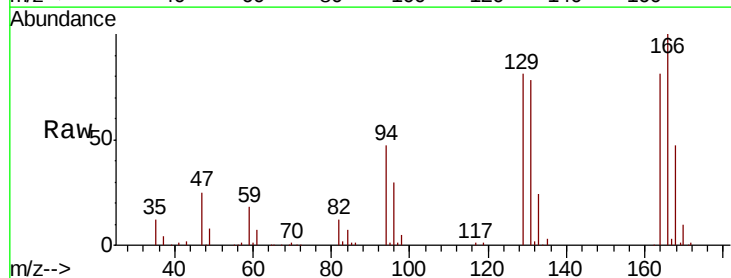
Instrument :
MSVOA_W
ClientSampleId :

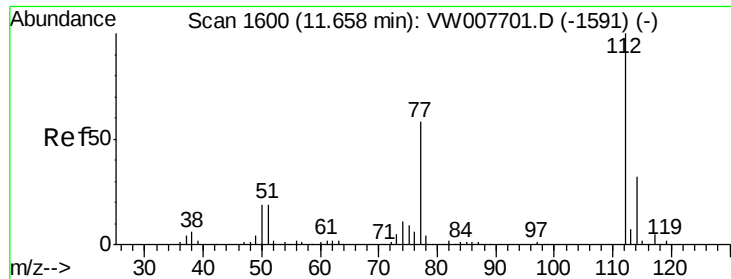
Tot Ion:117 Resp: 103750
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.9 25.7 38.5



#64
Tetrachloroethene
Concen: 53.200 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:164 Resp: 39085
Ion Ratio Lower Upper
164 100
166 124.1 101.0 151.6
129 100.3 78.7 118.1
131 96.4 79.4 119.0

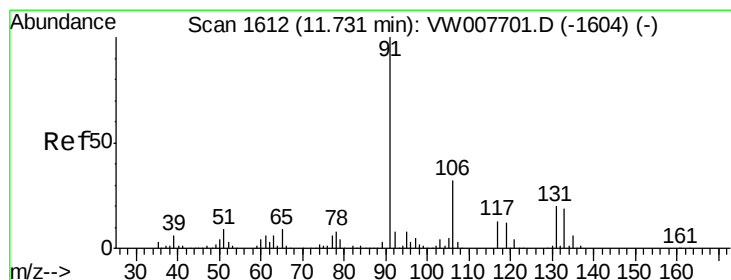
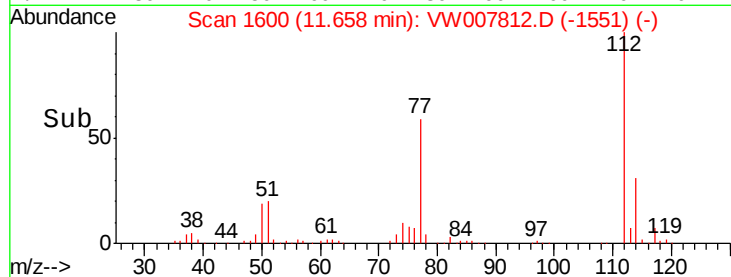
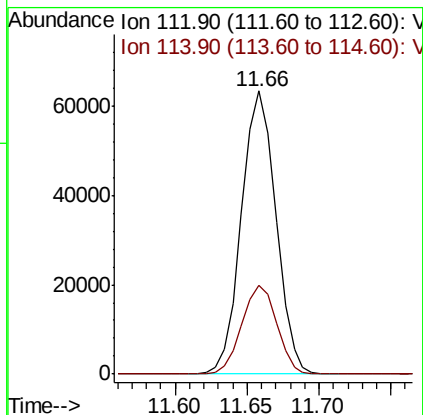
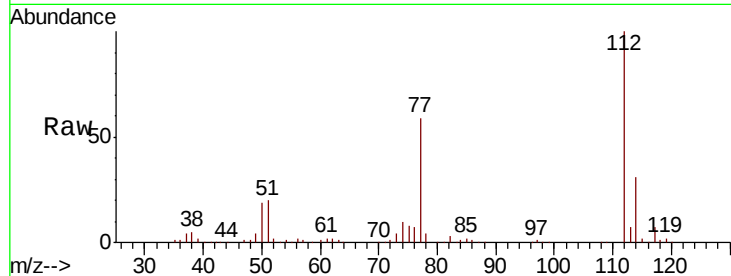




#65
Chlorobenzene
Concen: 46.814 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

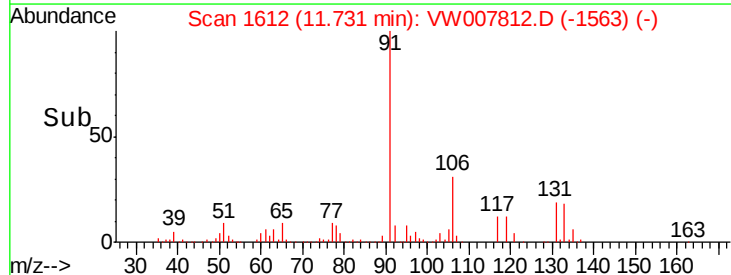
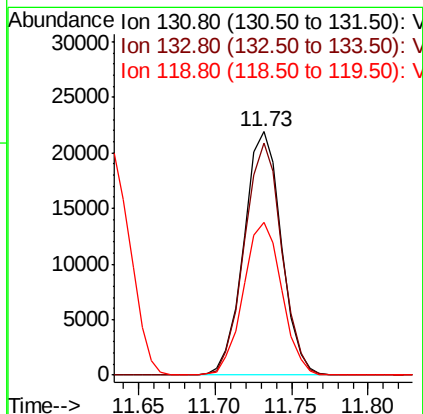
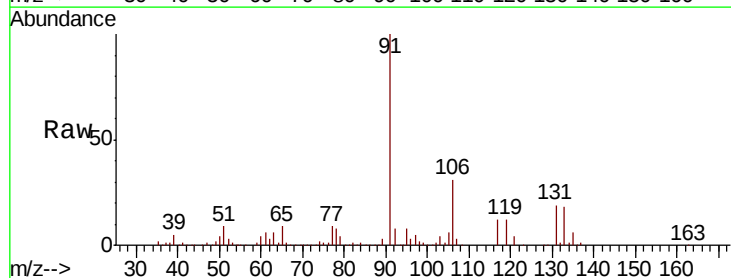
Instrument :
MSVOA_W
ClientSampleId :

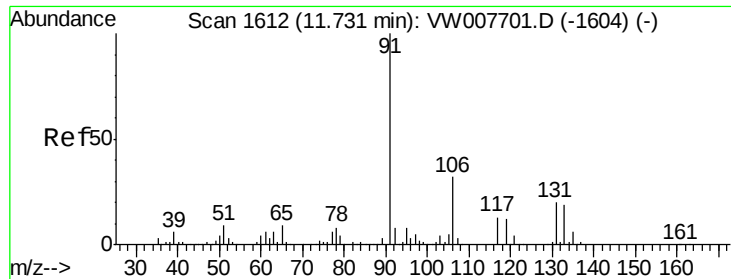
Tot Ion:112 Resp: 105125
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 46.531 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:131 Resp: 37336
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 64.0 30.2 90.6

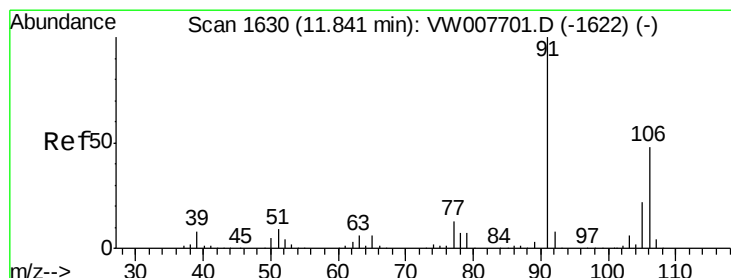
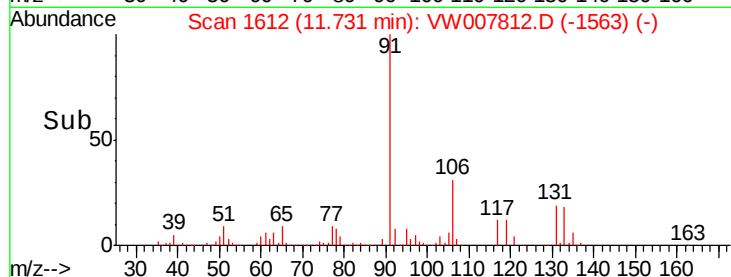
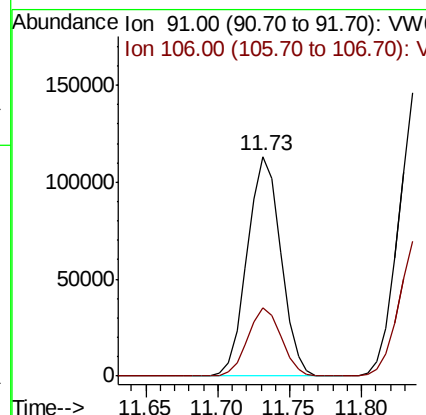
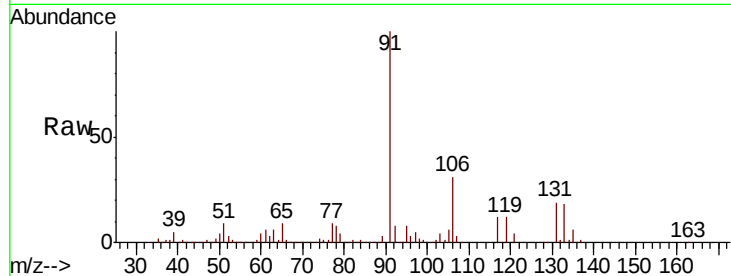




#67
Ethyl Benzene
Concen: 47.403 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

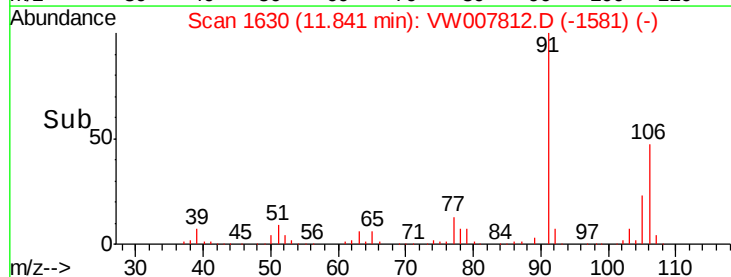
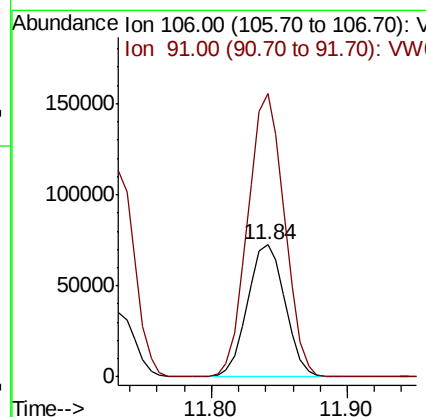
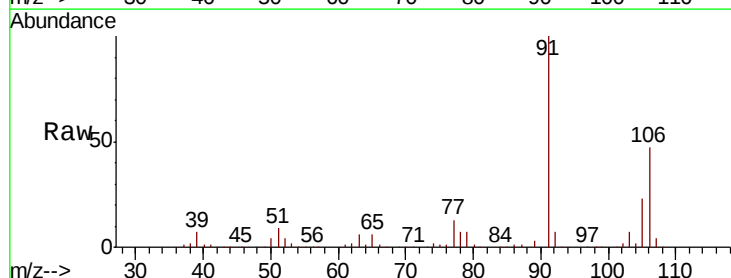
Instrument :
MSVOA_W
ClientSampleId :

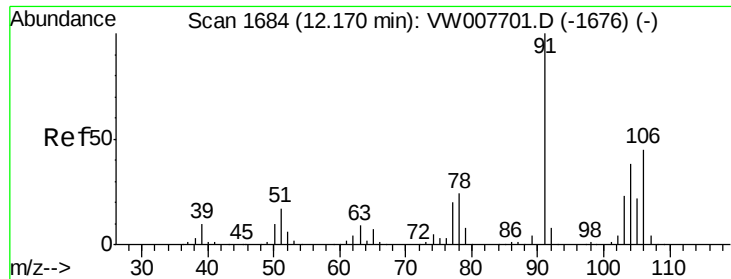
Tot Ion: 91 Resp: 182665
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8



#68
m/p-Xylenes
Concen: 93.494 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:106 Resp: 139755
Ion Ratio Lower Upper
106 100
91 210.6 165.2 247.8

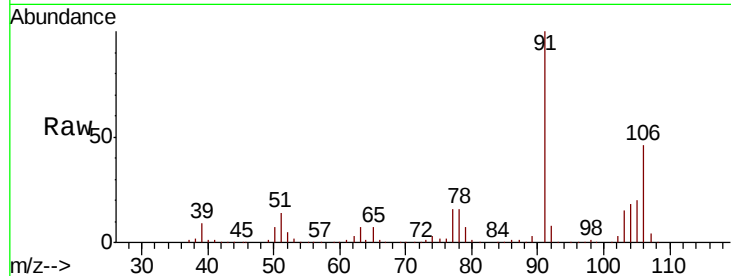




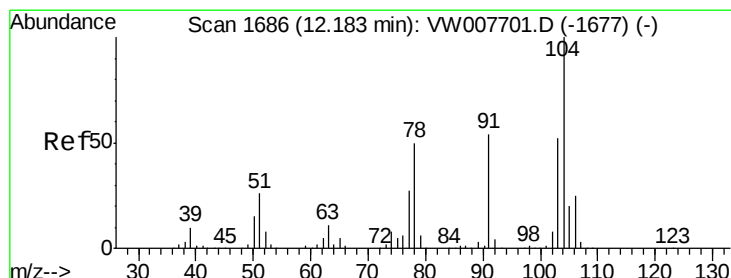
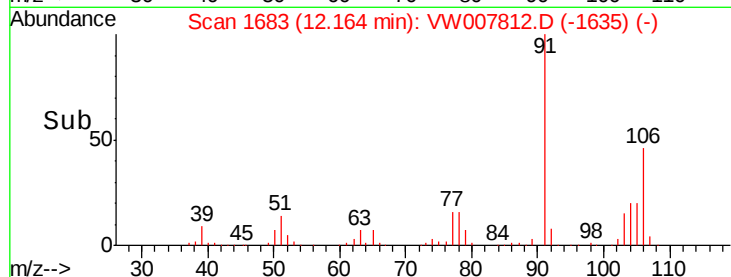
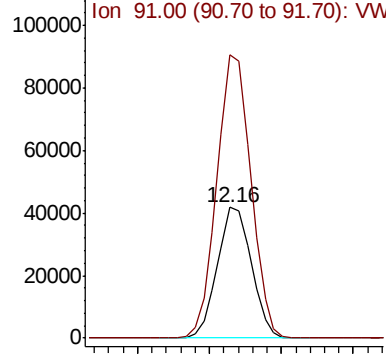
#69
o-Xylene
Concen: 48.919 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 68544
Ion Ratio Lower Upper
106 100
91 216.4 110.5 331.4

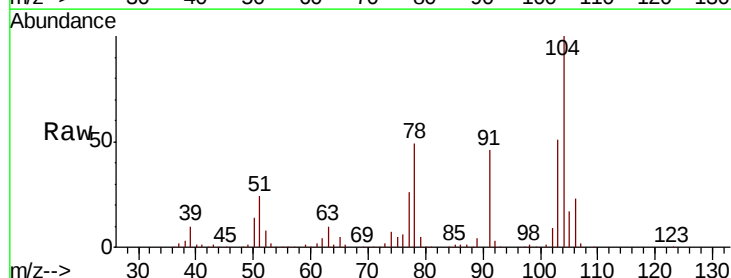


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

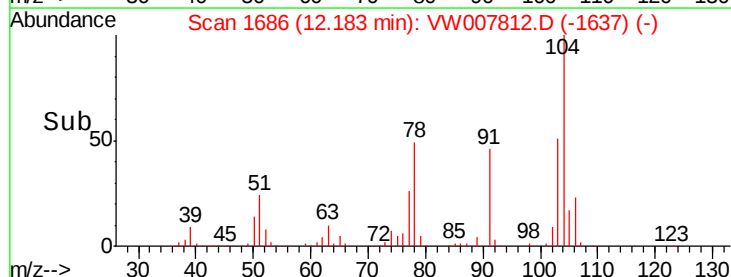
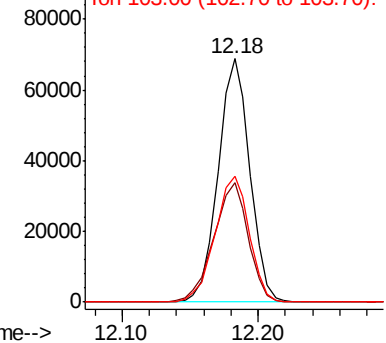


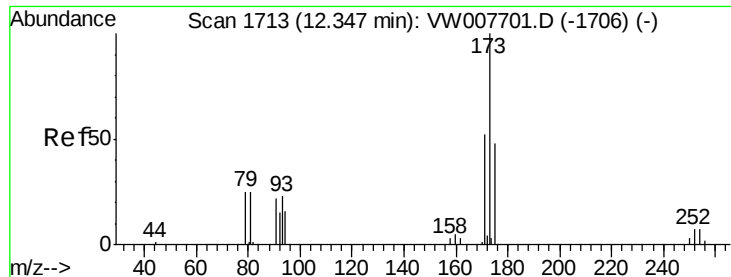
#70
Styrene
Concen: 48.640 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:104 Resp: 112032
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.0
103 55.9 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.363 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampled :

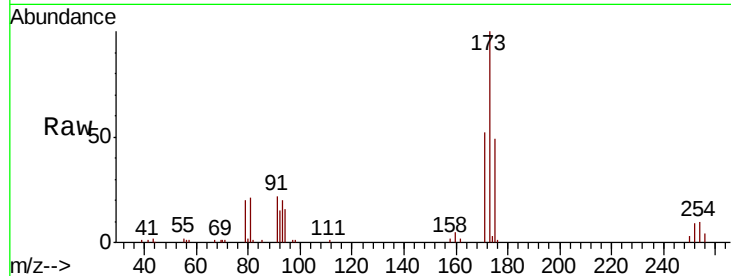
Tot Ion:173 Resp: 20145

Ion Ratio Lower Upper

173 100

175 48.6 23.9 71.7

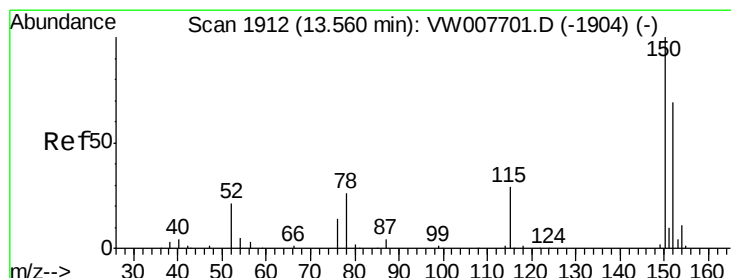
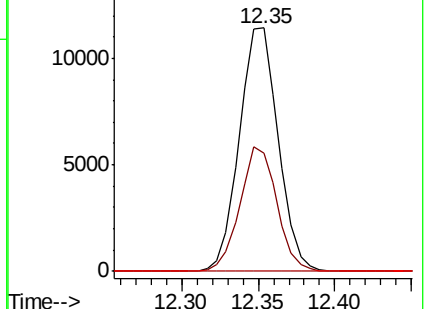
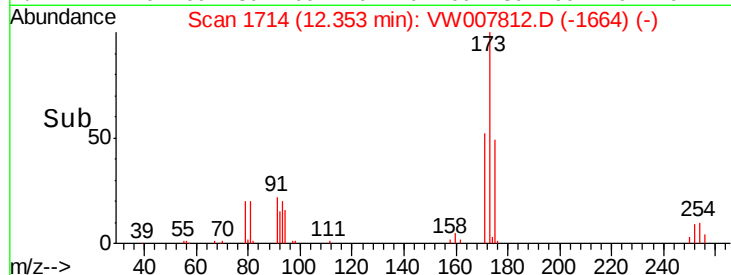
254 0.0 0.0 0.0



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: VW007812.D

Acq: 21 Dec 2018 22:52

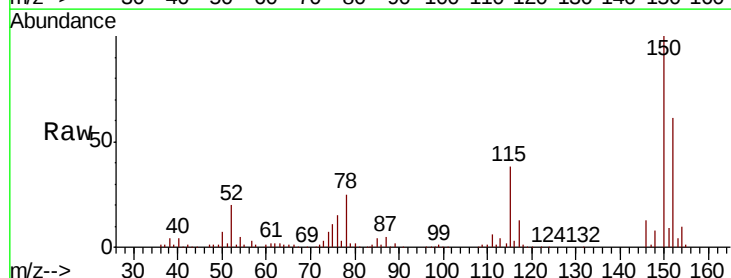
Tgt Ion:152 Resp: 51193

Ion Ratio Lower Upper

152 100

115 63.4 31.8 95.4

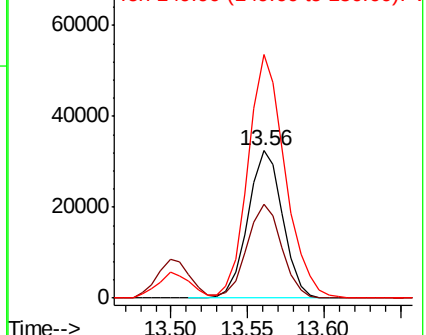
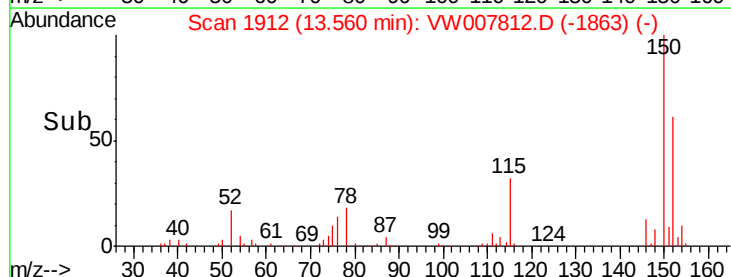
150 176.0 0.0 350.8

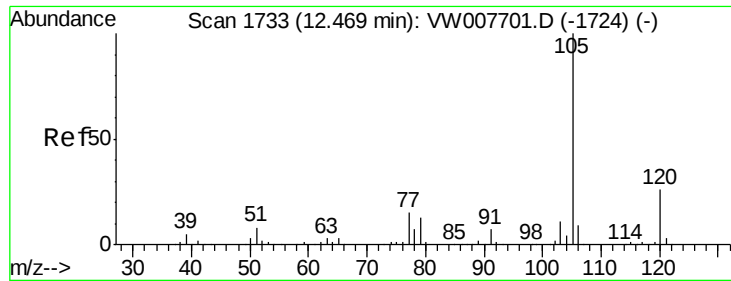


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.249 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

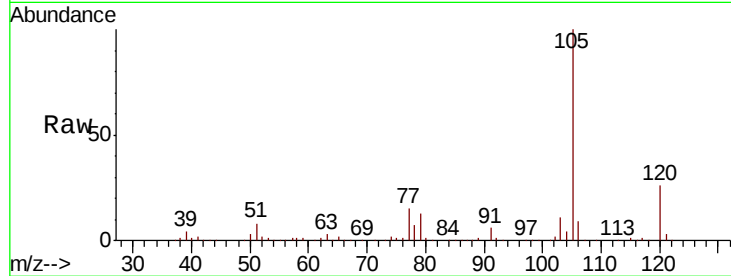
ClientSampled :

Tot Ion:105 Resp: 202185

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

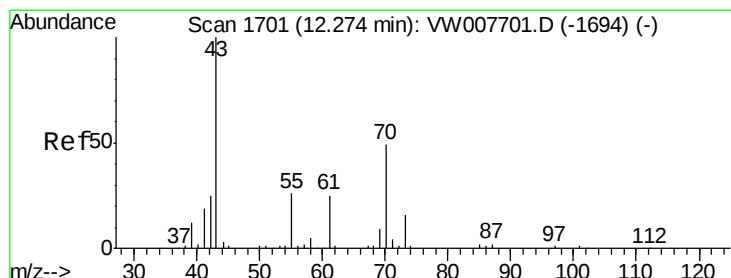
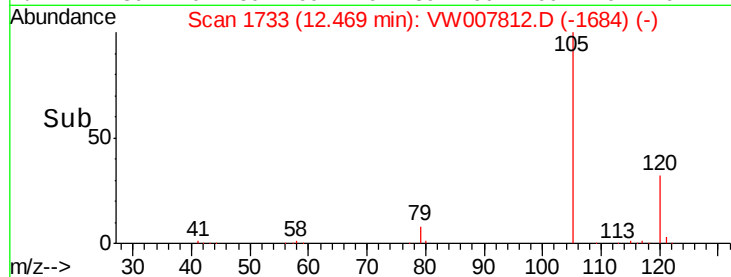
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 64.520 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion: 43 Resp: 43246

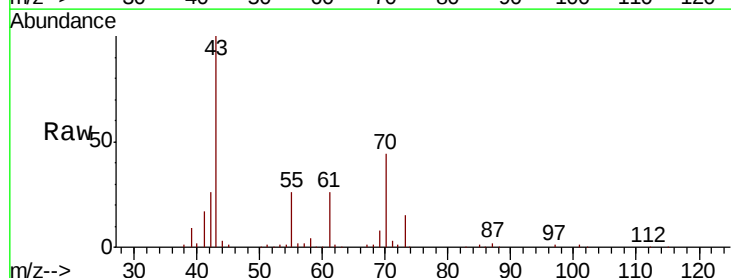
Ion Ratio Lower Upper

43 100

70 44.8 37.6 56.4

55 25.3 21.7 32.5

61 25.3 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

40000

30000

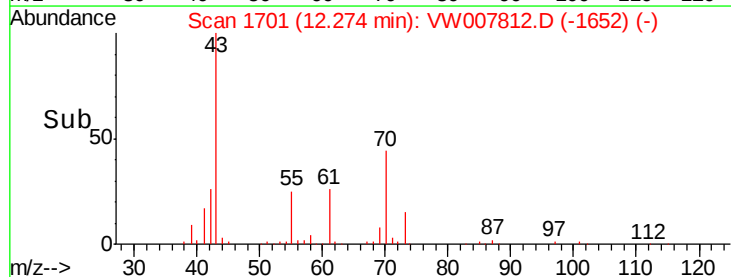
20000

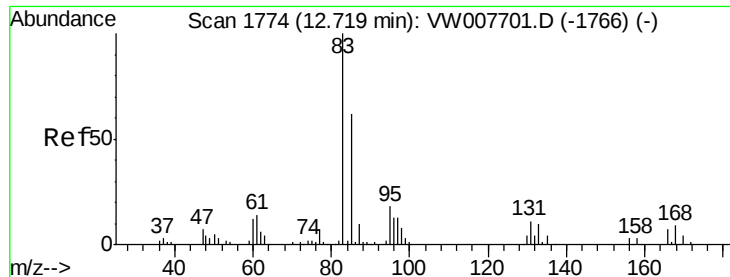
10000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 59.257 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

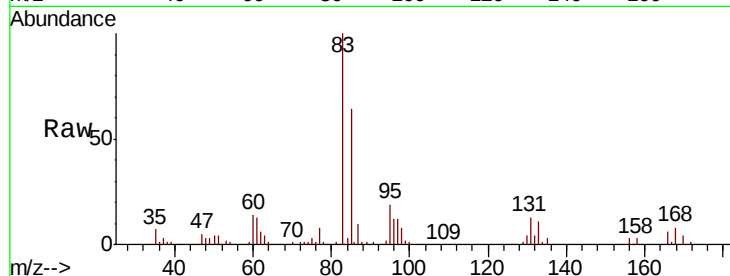
Tot Ion: 83 Resp: 34380

Ion Ratio Lower Upper

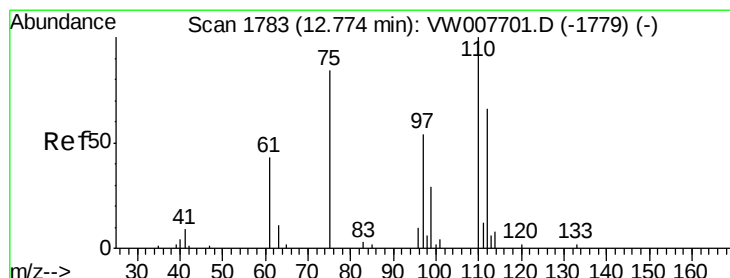
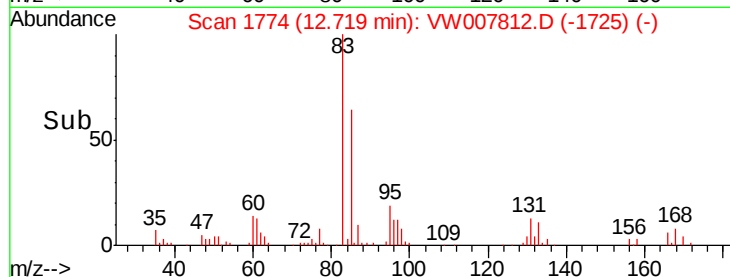
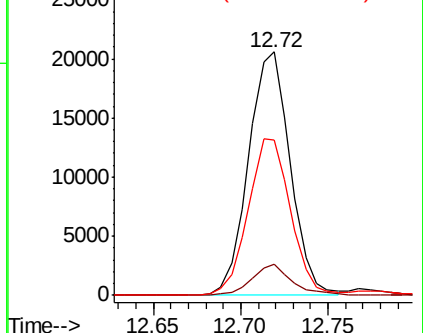
83 100

131 12.2 6.3 18.8

85 65.5 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 120.609 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007812.D

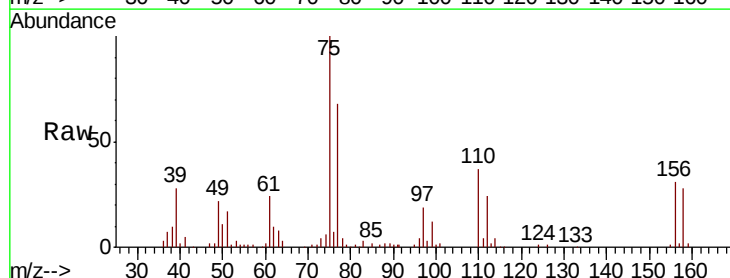
Acq: 21 Dec 2018 22:52

Tgt Ion: 75 Resp: 47722

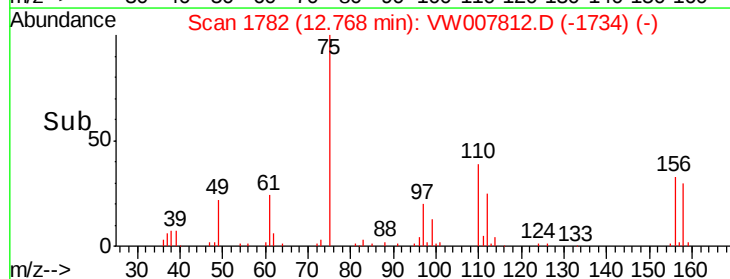
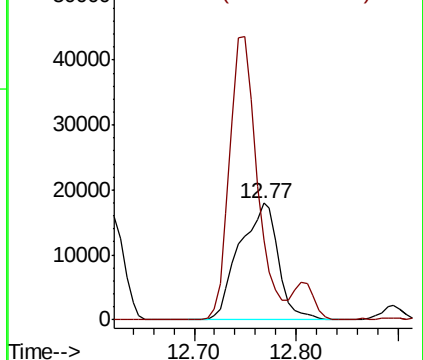
Ion Ratio Lower Upper

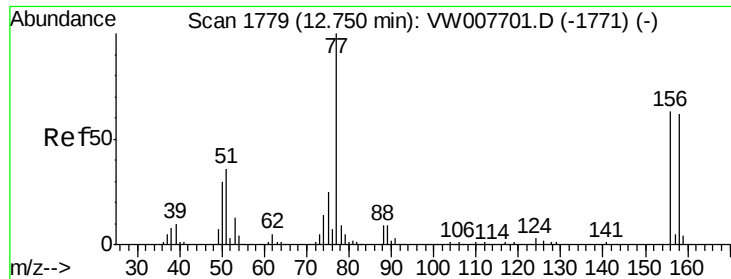
75 100

77 173.6 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: 49.460 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

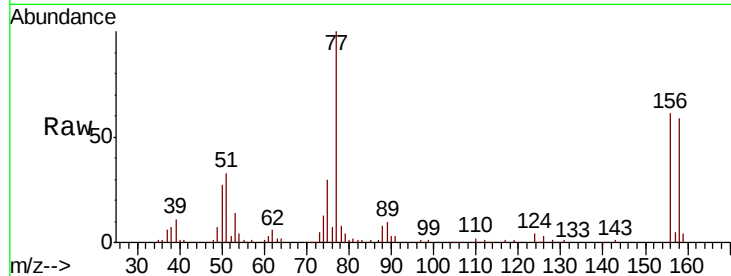
Tot Ion:156 Resp: 43862

Ion Ratio Lower Upper

156 100

77 188.9 87.4 262.1

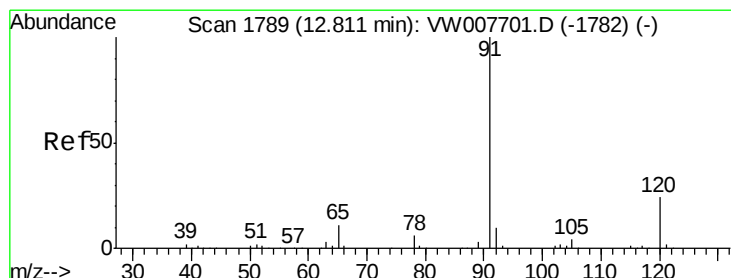
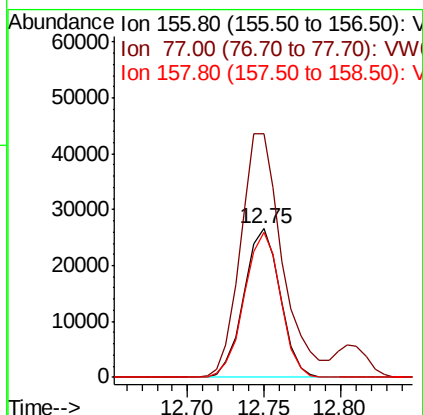
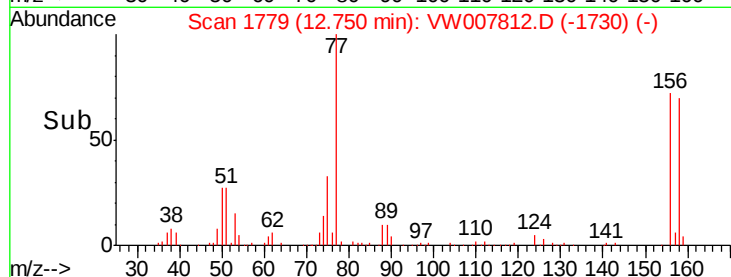
158 96.7 48.4 145.0



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: 50.719 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007812.D

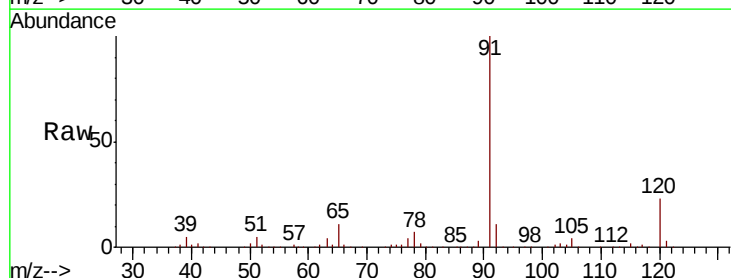
Acq: 21 Dec 2018 22:52

Tgt Ion: 91 Resp: 228465

Ion Ratio Lower Upper

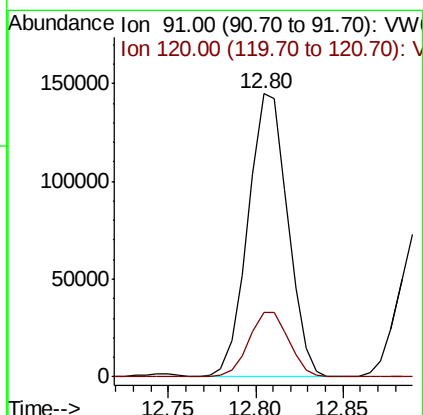
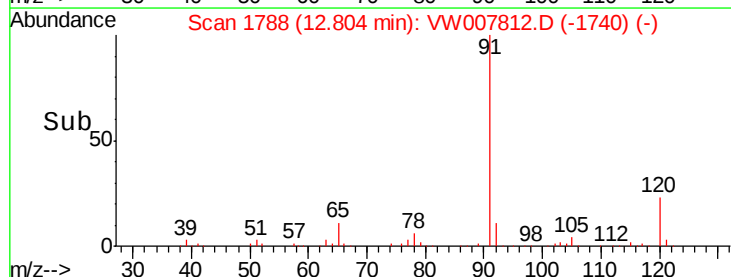
91 100

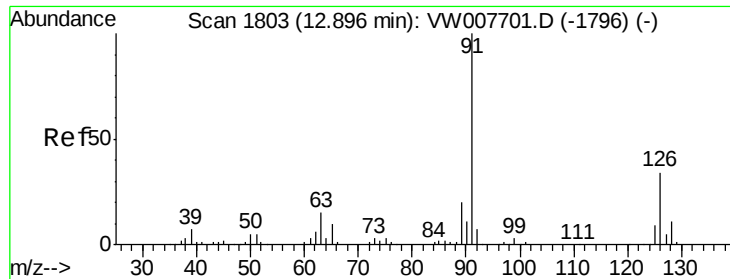
120 23.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

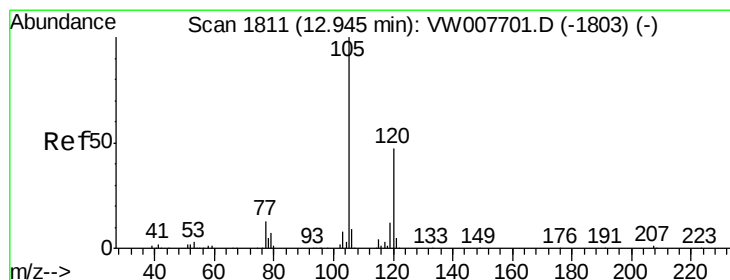
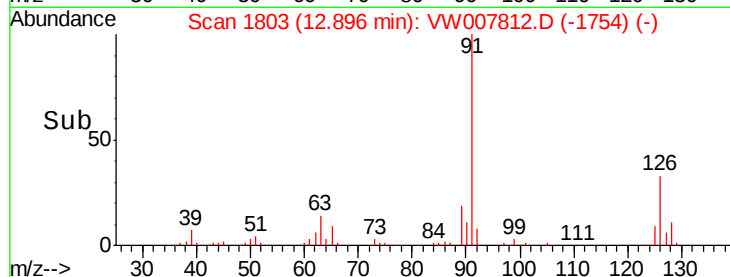
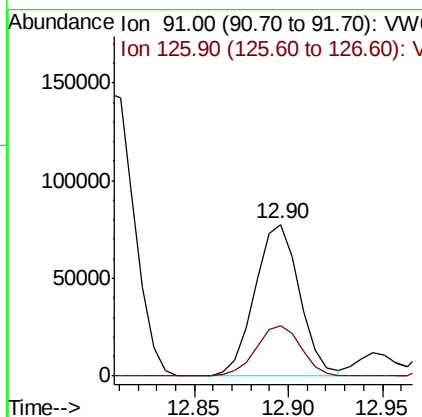
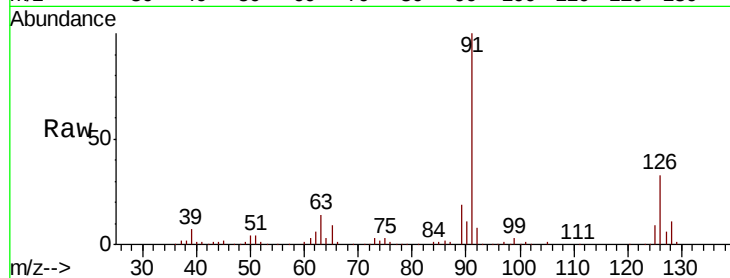




#79
2-Chlorotoluene
Concen: 48.862 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

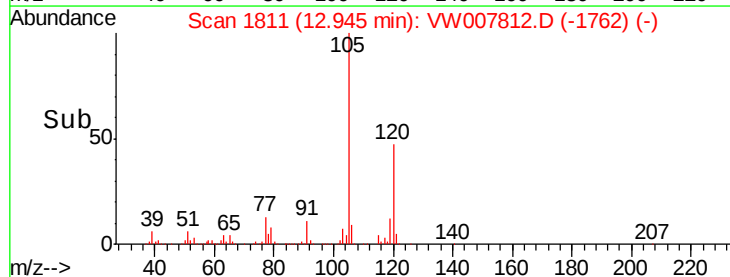
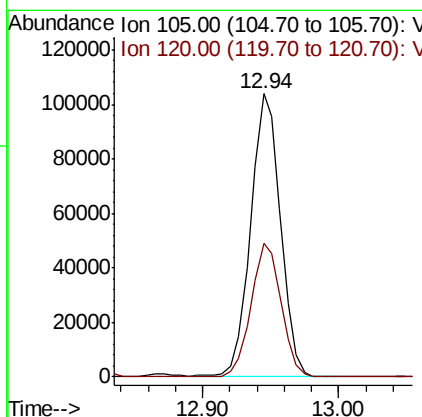
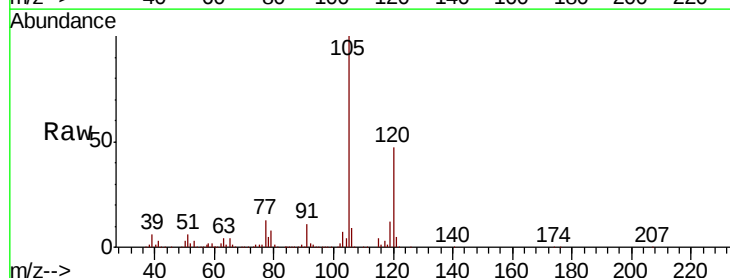
Instrument :
MSVOA_W
ClientSampleId :

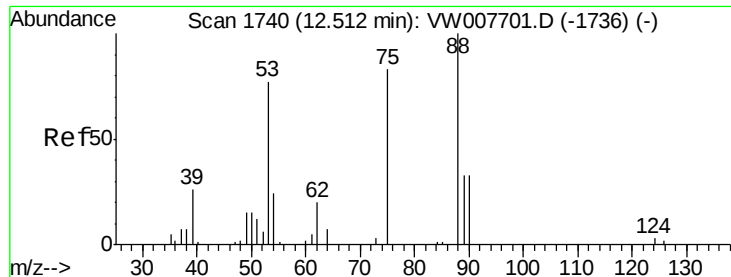
Tot Ion: 91 Resp: 128219
Ion Ratio Lower Upper
91 100
126 33.0 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 47.908 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:105 Resp: 159910
Ion Ratio Lower Upper
105 100
120 47.5 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.292 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

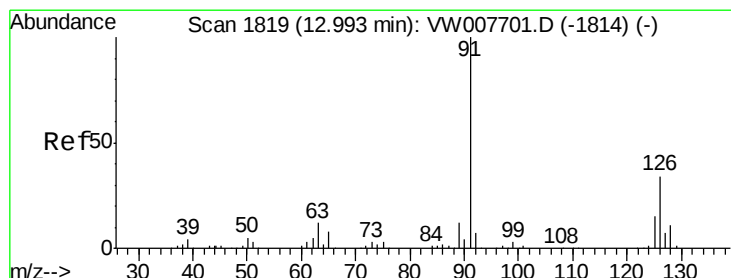
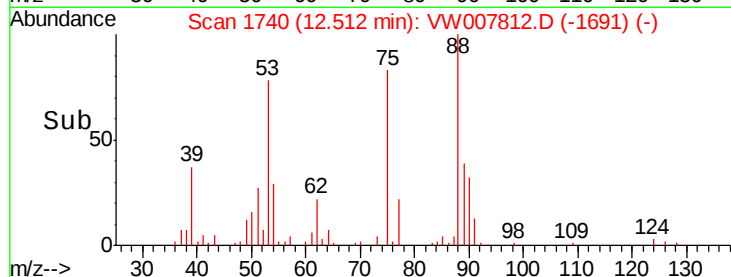
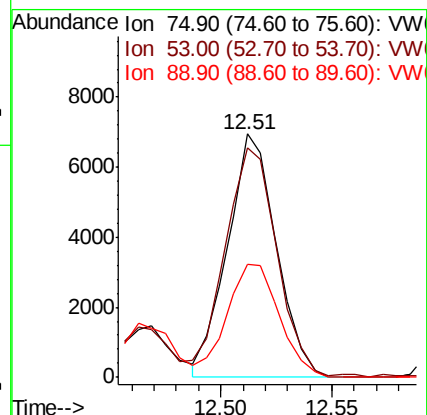
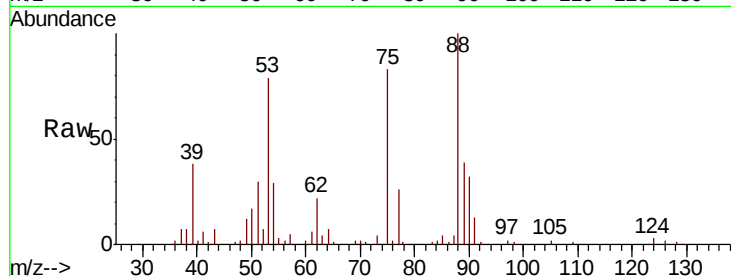
Tot Ion: 75 Resp: 10611

Ion Ratio Lower Upper

75 100

53 101.4 80.2 120.2

89 49.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 48.157 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007812.D

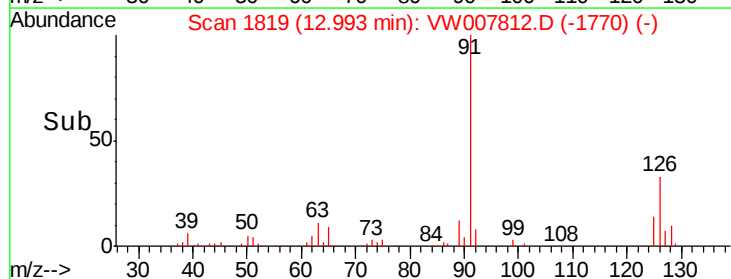
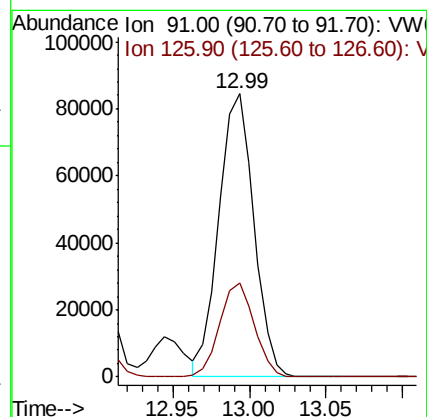
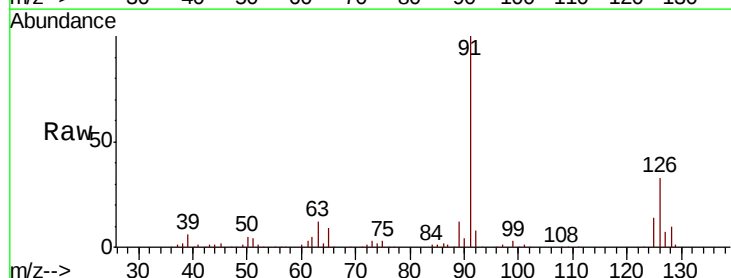
Acq: 21 Dec 2018 22:52

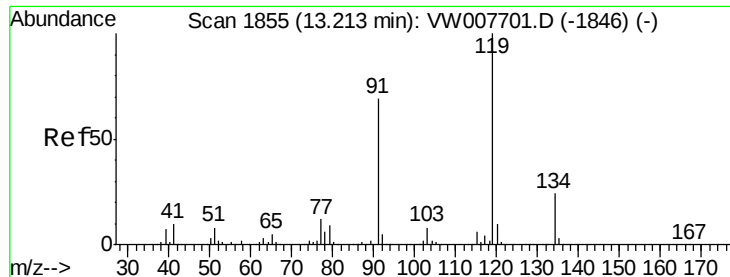
Tgt Ion: 91 Resp: 134551

Ion Ratio Lower Upper

91 100

126 32.9 16.5 49.5

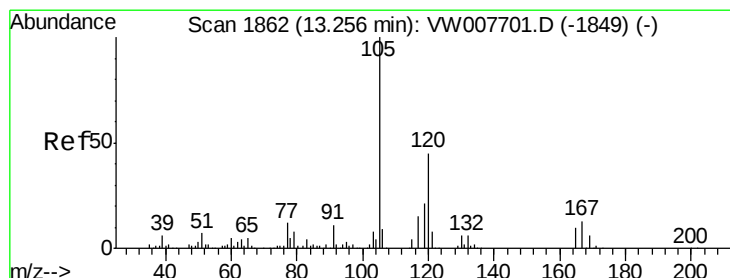
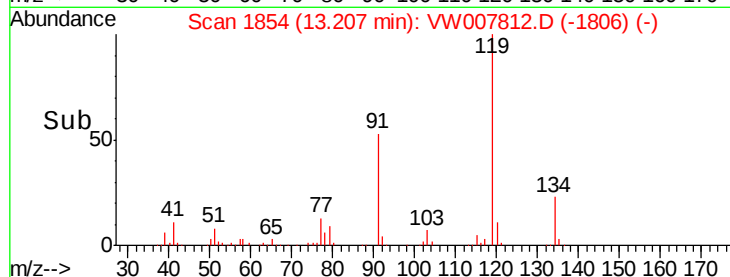
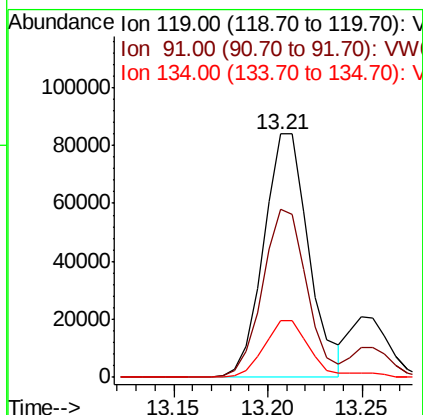
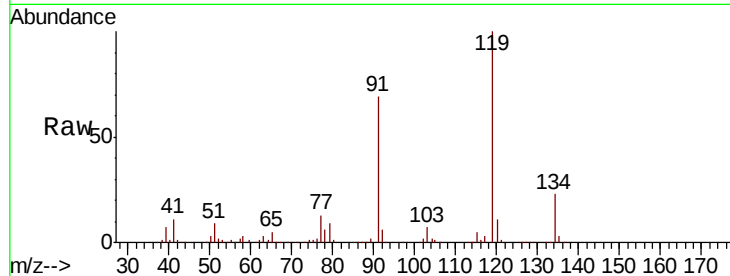




#83
tert-Butylbenzene
Concen: 47.711 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

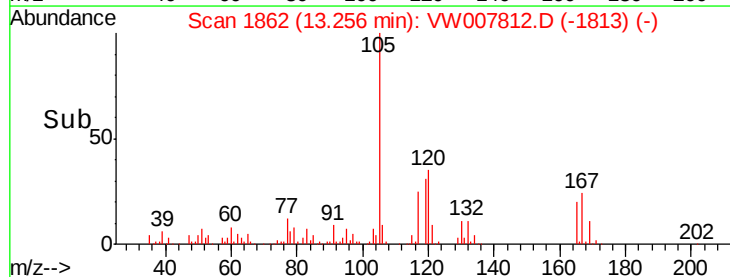
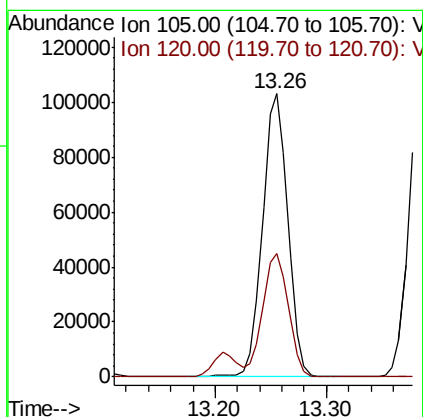
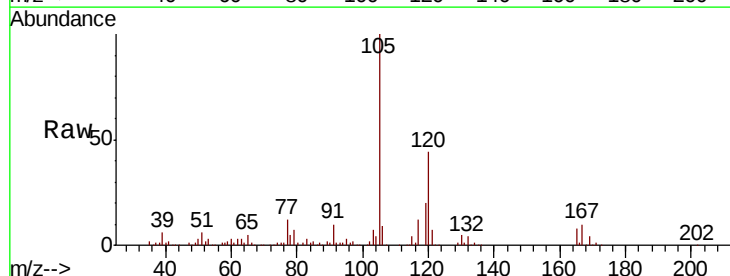
Instrument :
MSVOA_W
ClientSampled :

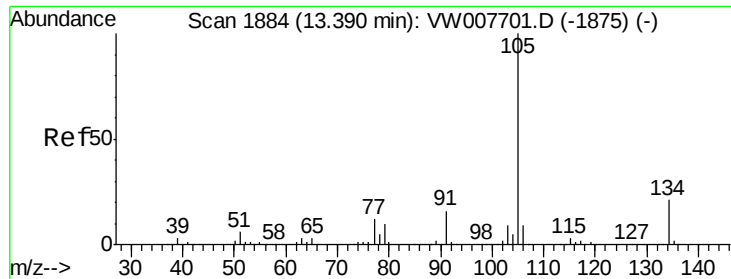
Tot Ion:119 Resp: 139731
Ion Ratio Lower Upper
119 100
91 67.6 34.2 102.5
134 24.6 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 48.610 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:105 Resp: 163720
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0

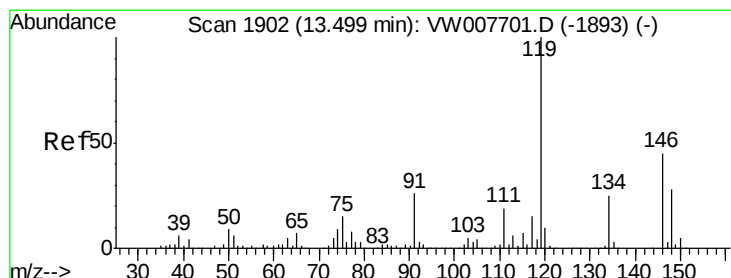
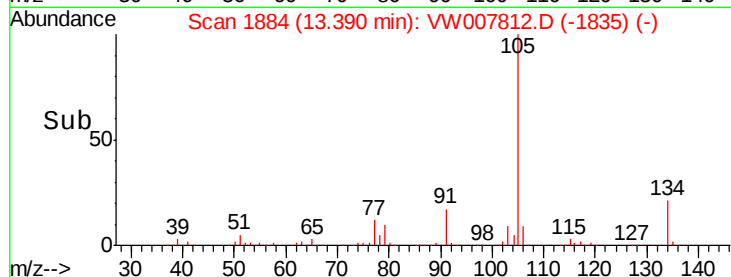
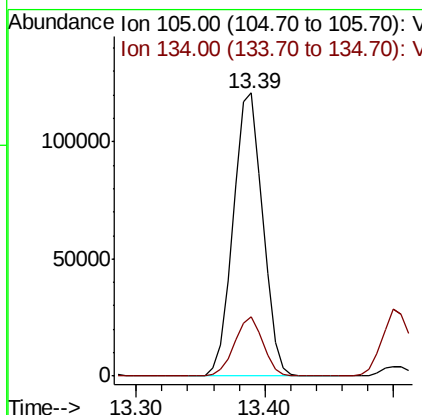
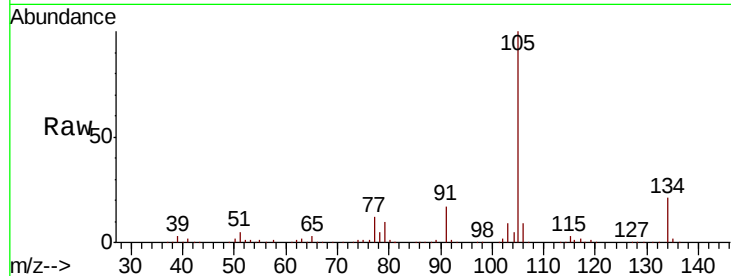




#85
 sec-Butylbenzene
 Concen: 47.813 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

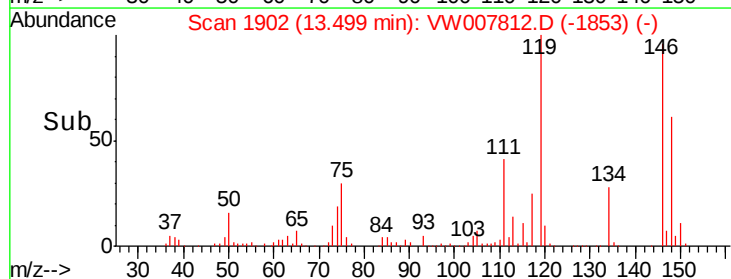
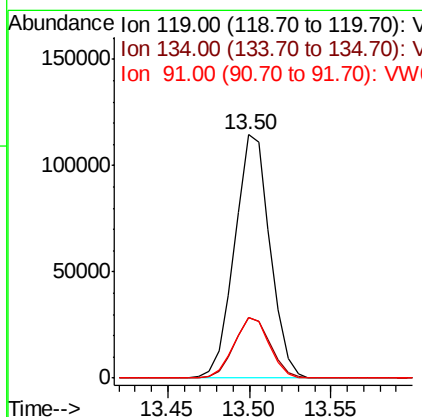
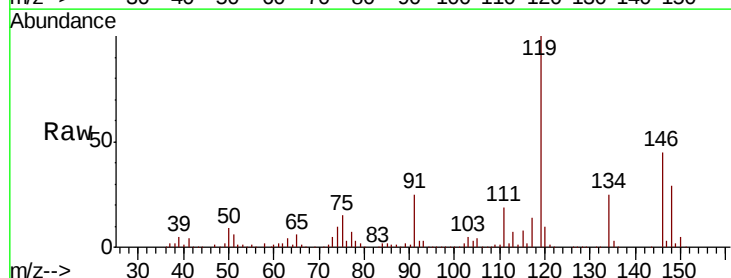
Instrument :
 MSVOA_W
 ClientSampled :

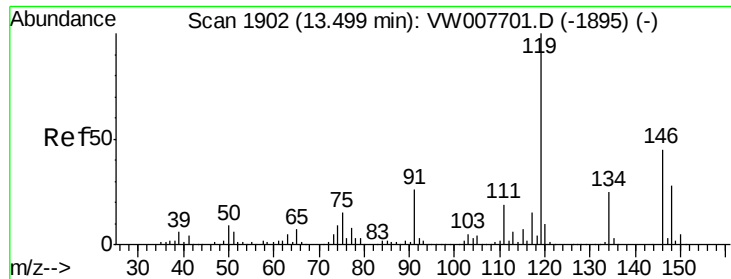
Tot Ion:105 Resp: 192987
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 47.078 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion:119 Resp: 172787
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.0 39.0
 91 24.8 12.8 38.4

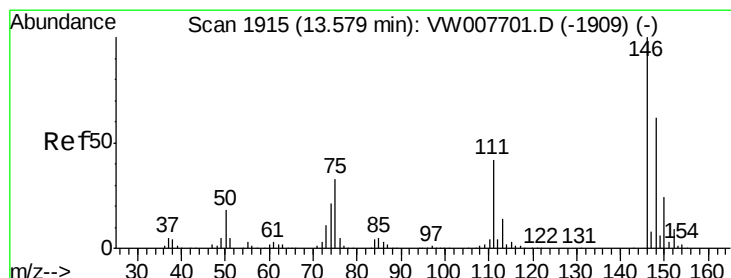
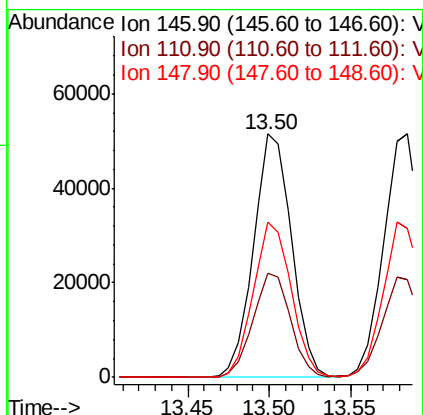
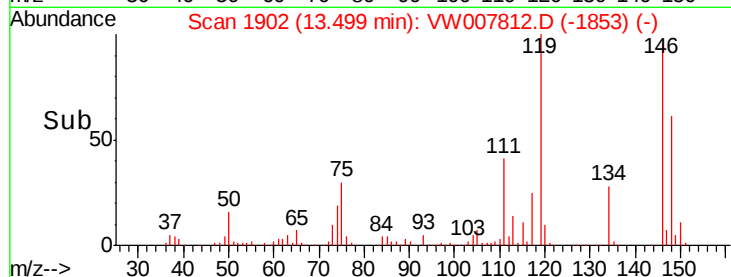
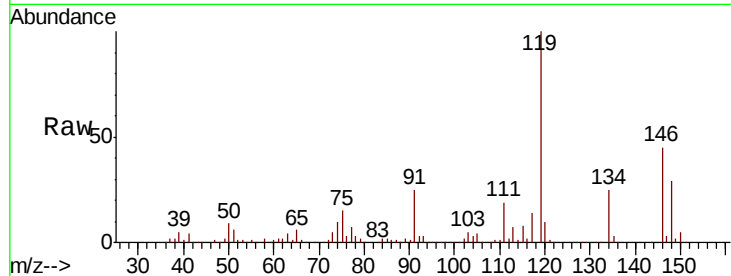




#87
 1,3-Dichlorobenzene
 Concen: 47.336 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

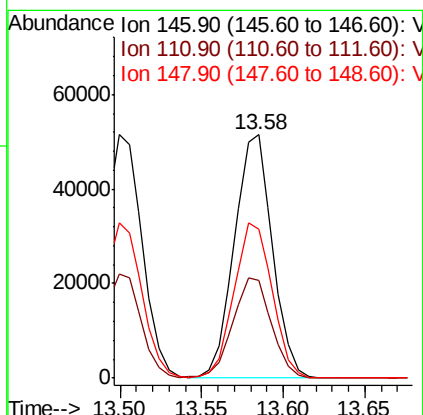
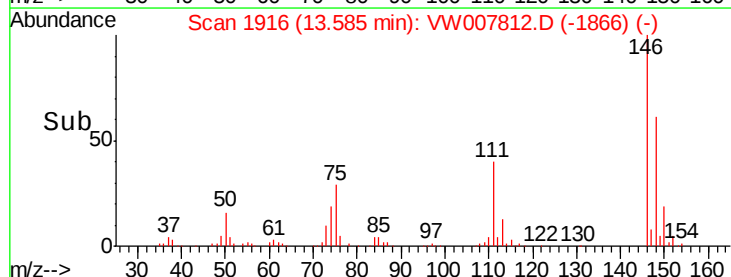
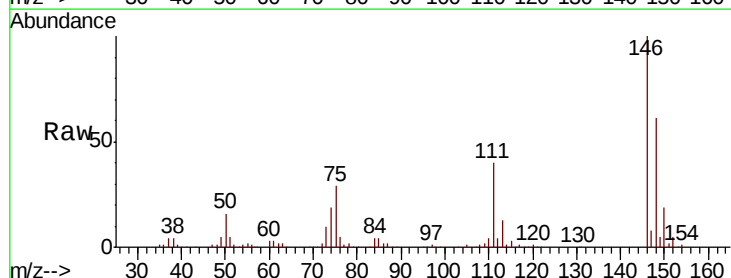
Instrument :
 MSVOA_W
 ClientSampleId :

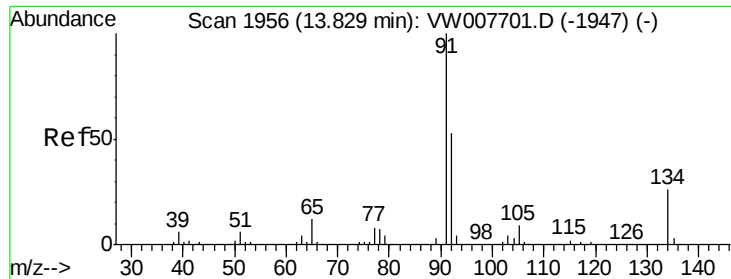
Tot Ion:146 Resp: 83348
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.4
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.359 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion:146 Resp: 83412
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.0 63.0
 148 64.2 31.8 95.4





#89

n-Butylbenzene

Concen: 45.612 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

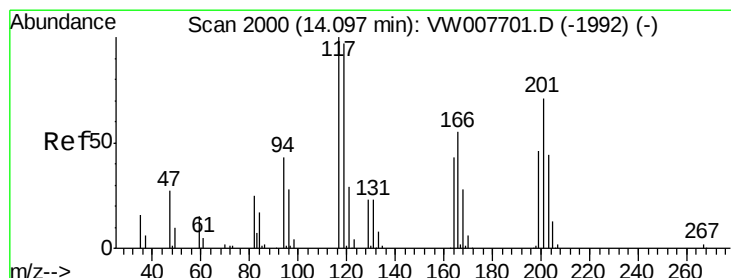
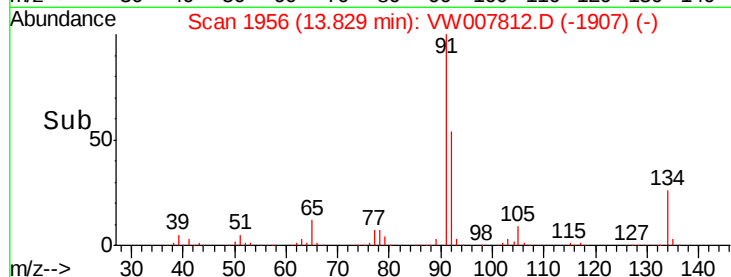
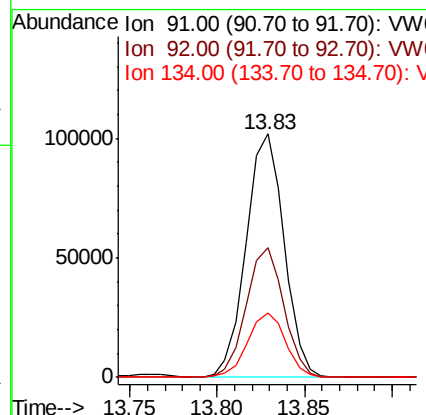
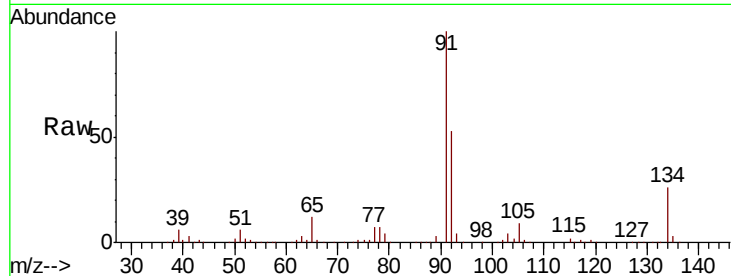
Tot Ion: 91 Resp: 153492

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.2

134 26.6 13.7 41.0



#90

Hexachloroethane

Concen: 43.253 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007812.D

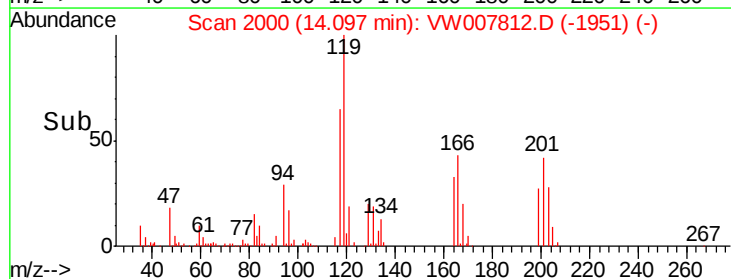
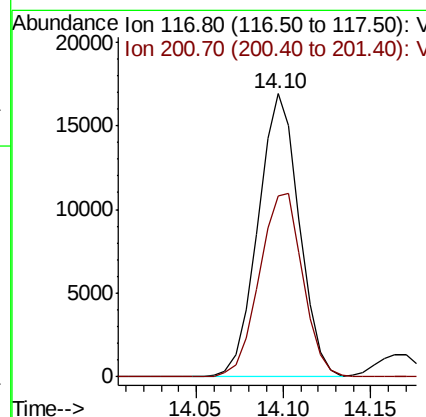
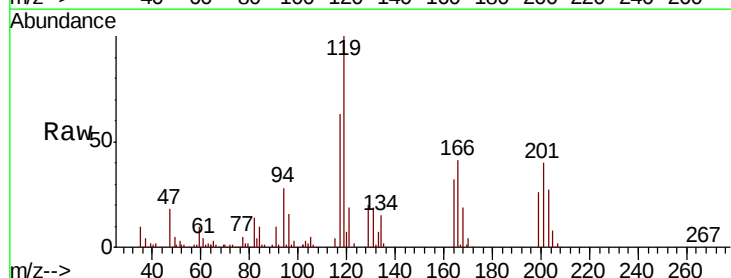
Acq: 21 Dec 2018 22:52

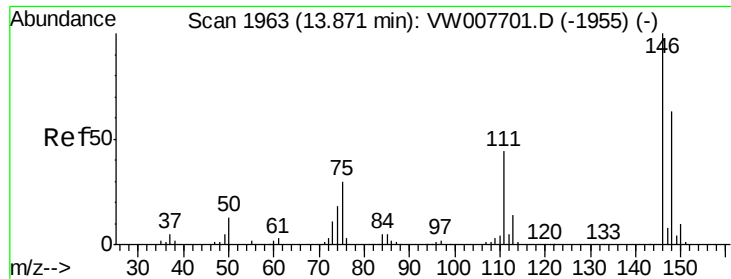
Tgt Ion: 117 Resp: 27870

Ion Ratio Lower Upper

117 100

201 68.1 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 49.741 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

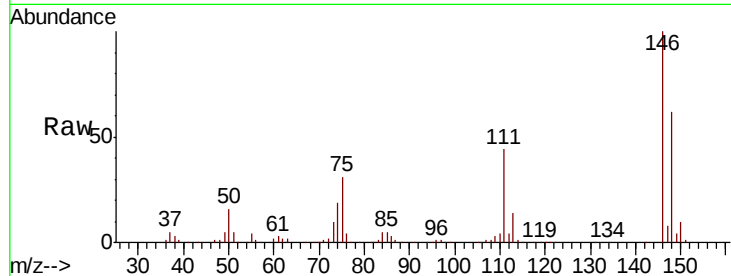
Tot Ion:146 Resp: 78416

Ion Ratio Lower Upper

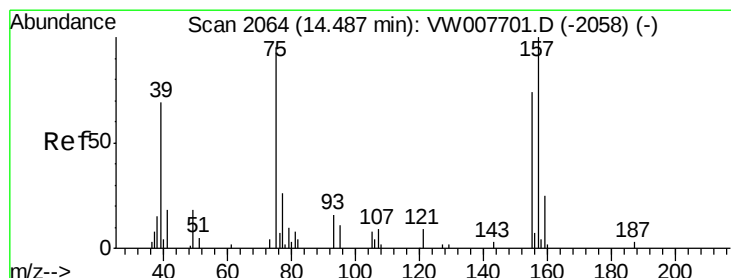
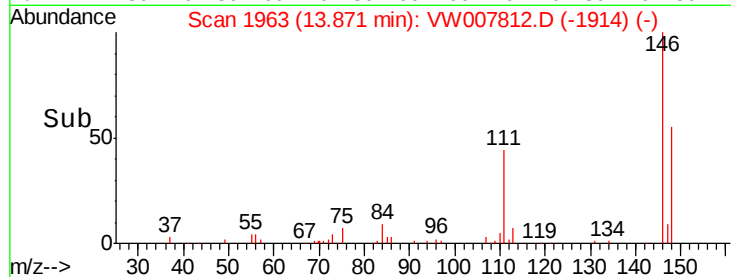
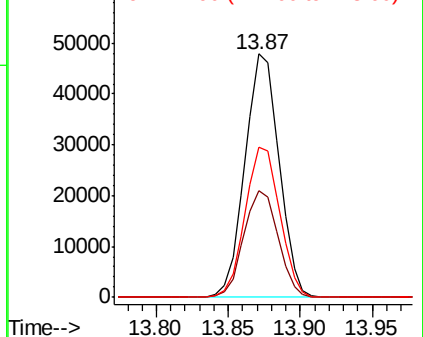
146 100

111 44.3 21.7 65.1

148 62.7 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.850 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

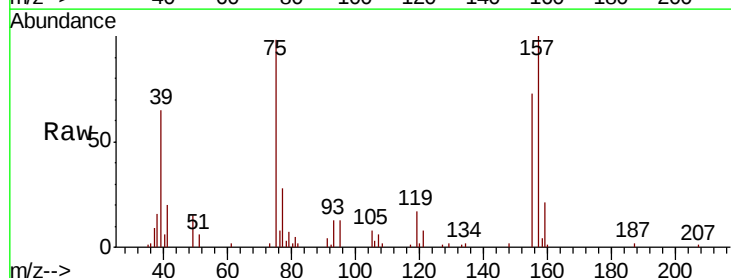
Tgt Ion: 75 Resp: 7012

Ion Ratio Lower Upper

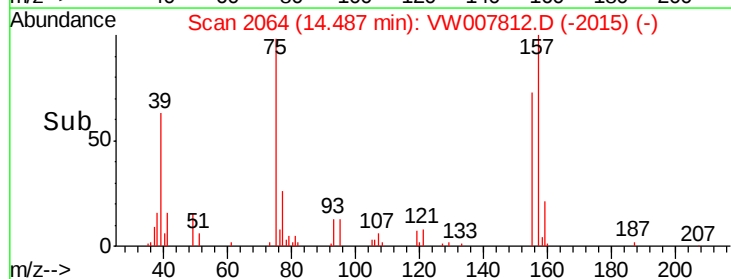
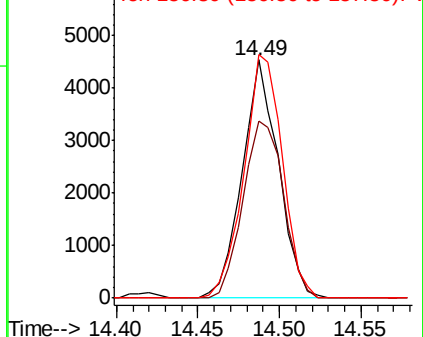
75 100

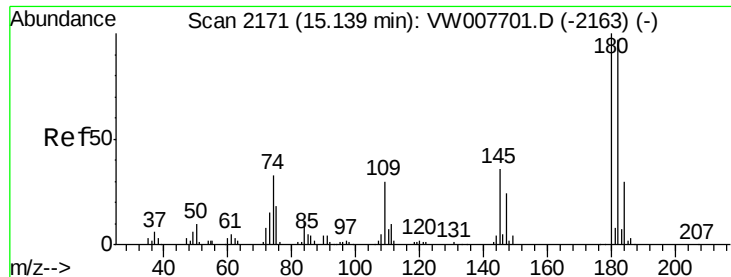
155 83.1 39.4 118.1

157 108.4 52.0 156.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

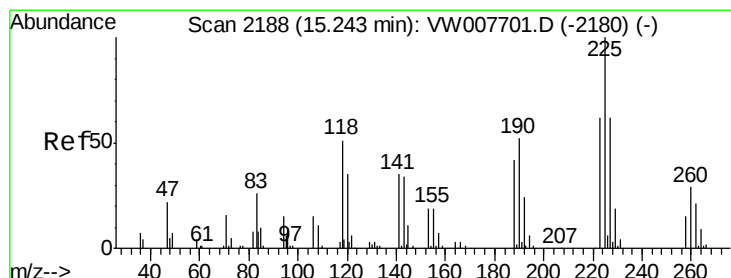
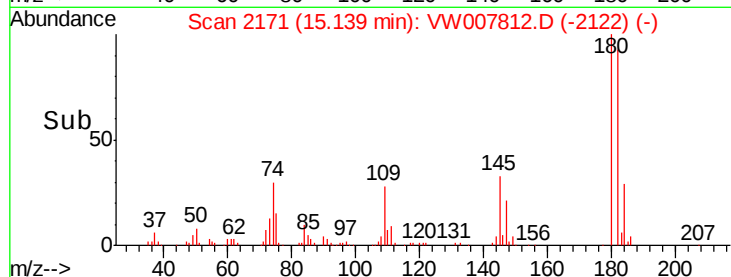
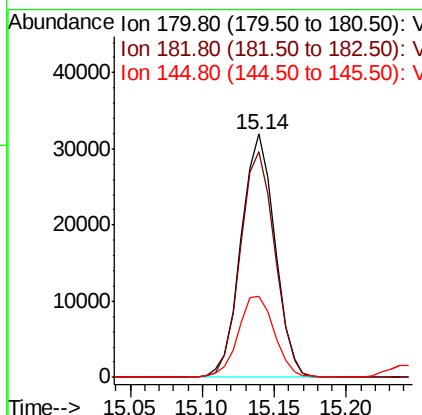
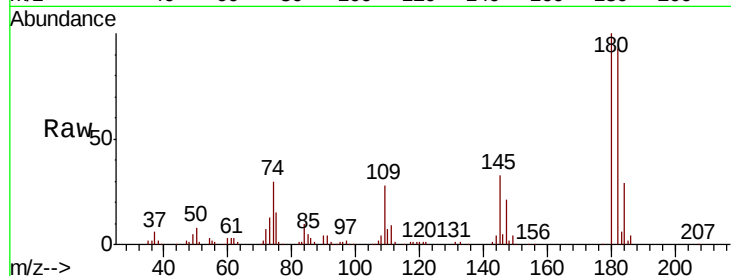




#93
 1,2,4-Trichlorobenzene
 Concen: 47.522 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

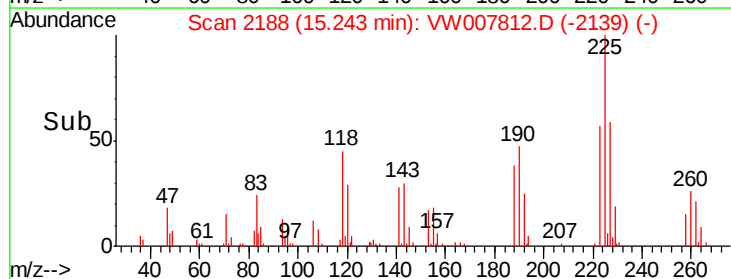
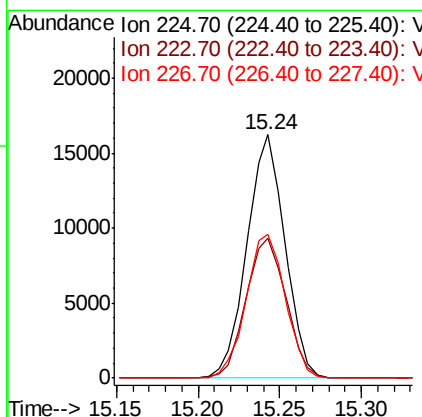
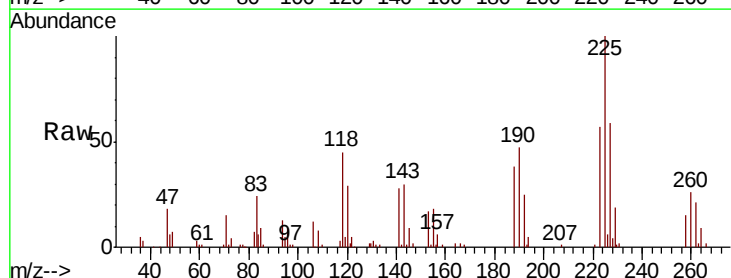
Instrument :
 MSVOA_W
 ClientSampleId :

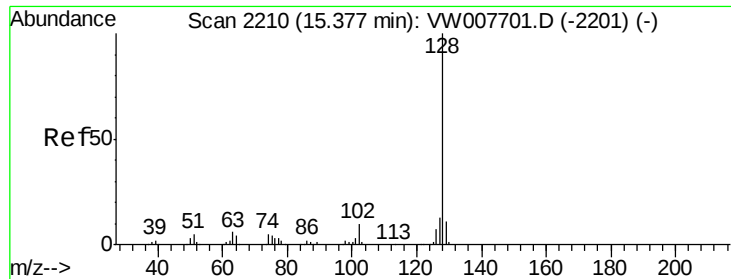
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	36.3	17.5	52.5



#94
 Hexachlorobutadiene
 Concen: 44.964 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.6	94.8
227	61.3	32.1	96.3

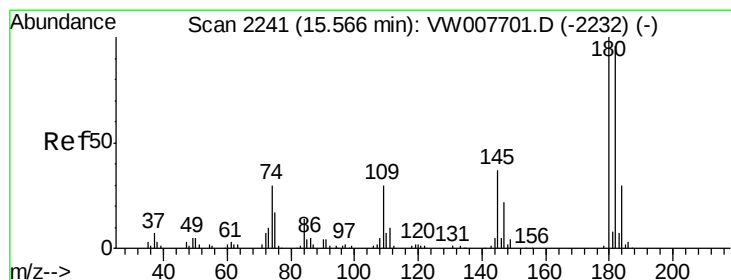
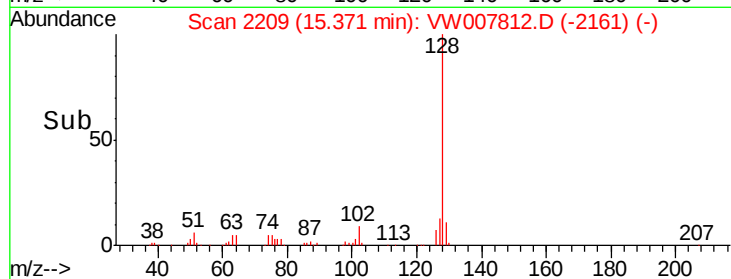
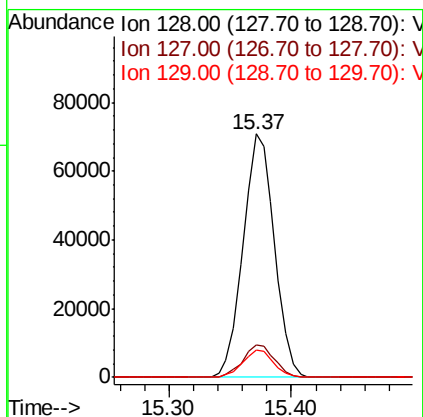
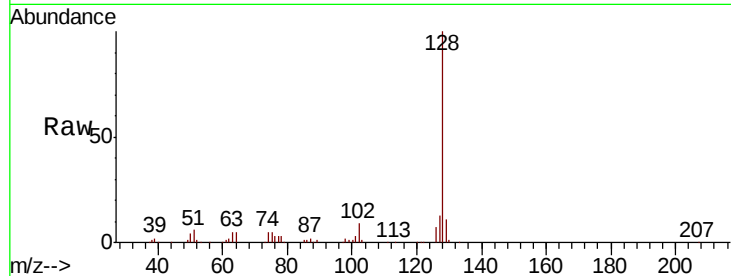




#95
Naphthalene
Concen: 62.137 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 125715
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.397 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:180 Resp: 47209
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.2
145 37.2 18.4 55.0

