

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007231.D
 Acq On : 05 Dec 2018 15:21
 Operator : SY/AP
 Sample : VW1205SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Quant Time: Dec 06 06:20:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	160298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	75672	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	47617	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	7.88	113	46194	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	10.33	98	206157	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	78116	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	26468	23.051	ug/l	99
3) Chloromethane	2.22	50	28942	19.904	ug/l	97
4) Vinyl Chloride	2.36	62	19781	21.727	ug/l	100
5) Bromomethane	2.76	94	12496	27.391	ug/l	96
6) Chloroethane	2.92	64	11049	21.630	ug/l	96
7) Trichlorofluoromethane	3.26	101	38597	21.745	ug/l	96
8) Diethyl Ether	3.69	74	9446	19.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22523	21.005	ug/l	98
10) Methyl Iodide	4.28	142	12342	13.512	ug/l	97
11) Tert butyl alcohol	5.17	59	7945	71.683	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	20995	20.894	ug/l	98
13) Acrolein	3.90	56	6251	91.302	ug/l	100
14) Allyl chloride	4.67	41	32857	20.400	ug/l	99
15) Acrylonitrile	5.38	53	19122	92.450	ug/l	100
16) Acetone	4.12	43	20254	87.560	ug/l	98
17) Carbon Disulfide	4.38	76	68031	20.539	ug/l	96
18) Methyl Acetate	4.68	43	9762	18.489	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	46270	19.558	ug/l	96
20) Methylene Chloride	4.92	84	26029	19.124	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	23641	21.070	ug/l	97
22) Diisopropyl ether	6.31	45	58987	20.401	ug/l #	93
23) Vinyl Acetate	6.26	43	151313	95.908	ug/l	100
24) 1,1-Dichloroethane	6.22	63	38842	20.959	ug/l	100
25) 2-Butanone	7.17	43	22660	84.508	ug/l	99
26) 2,2-Dichloropropane	7.17	77	37551	21.085	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	25045	20.822	ug/l	99
28) Bromochloromethane	7.52	49	13621	20.383	ug/l	99
29) Tetrahydrofuran	7.53	42	15109	91.183	ug/l	99
30) Chloroform	7.68	83	39413	20.464	ug/l	98
31) Cyclohexane	7.96	56	40335	20.802	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	38938	21.483	ug/l	99
36) 1,1-Dichloropropene	8.09	75	33803	21.672	ug/l	100
37) Ethyl Acetate	7.25	43	10592	18.774	ug/l	98
38) Carbon Tetrachloride	8.07	117	34400	21.608	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	43912	21.031	ug/l	98
40) Benzene	8.32	78	90677	21.201	ug/l	99
41) Methacrylonitrile	7.48	41	5664	16.760	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	24594	20.575	ug/l	98
43) Isopropyl Acetate	8.43	43	20107	18.350	ug/l	99
44) Trichloroethene	9.09	130	25681	21.361	ug/l	100
45) 1,2-Dichloropropane	9.37	63	20927	21.026	ug/l	93
46) Dibromomethane	9.46	93	10689	20.668	ug/l	98
47) Bromodichloromethane	9.64	83	28789	21.162	ug/l	96
48) Methyl methacrylate	9.44	41	11000	19.342	ug/l	96
49) 1,4-Dioxane	9.45	88	3421	378.657	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	49311	91.317	ug/l	100
52) Toluene	10.39	92	63587	21.373	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	28115	20.556	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	33467	20.879	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	15136	20.575	ug/l	98
56) Ethyl methacrylate	10.65	69	18305	19.076	ug/l	99
57) 1,3-Dichloropropane	10.93	76	25051	20.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	42417	110.049	ug/l	98
59) 2-Hexanone	10.97	43	35912	91.740	ug/l	99
60) Dibromochloromethane	11.13	129	18523	20.487	ug/l	95
61) 1,2-Dibromoethane	11.24	107	14213	20.144	ug/l	97
64) Tetrachloroethene	10.87	164	22480	20.669	ug/l	93
65) Chlorobenzene	11.66	112	70871	21.316	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	21154	20.602	ug/l	98
67) Ethyl Benzene	11.73	91	129153	21.314	ug/l	98
68) m/p-Xylenes	11.84	106	101474	42.686	ug/l	97
69) o-Xylene	12.17	106	47668	21.462	ug/l	98
70) Styrene	12.18	104	76992	21.176	ug/l	99
71) Bromoform	12.35	173	9955	19.367	ug/l #	98
73) Isopropylbenzene	12.47	105	131752	21.407	ug/l	99
74) N-amyl acetate	12.27	43	20422	18.715	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	15864	19.847	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	22896	39.076	ug/l #	100
77) Bromobenzene	12.75	156	27539	20.729	ug/l	100
78) n-propylbenzene	12.81	91	157657	21.501	ug/l	97
79) 2-Chlorotoluene	12.90	91	88941	21.480	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	112122	21.295	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5067	18.639	ug/l	97
82) 4-Chlorotoluene	12.99	91	94943	21.553	ug/l	97
83) tert-Butylbenzene	13.21	119	99848	21.700	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	113498	21.118	ug/l	95
85) sec-Butylbenzene	13.39	105	140655	21.413	ug/l	98
86) p-Isopropyltoluene	13.51	119	125573	21.475	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	58338	21.391	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	56472	20.499	ug/l	98
89) n-Butylbenzene	13.83	91	118632	21.710	ug/l	99
90) Hexachloroethane	14.10	117	18924	21.237	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	50435	21.362	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2882	18.612	ug/l	94

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QLast Update : Wed Dec 05 01:35:23 2018
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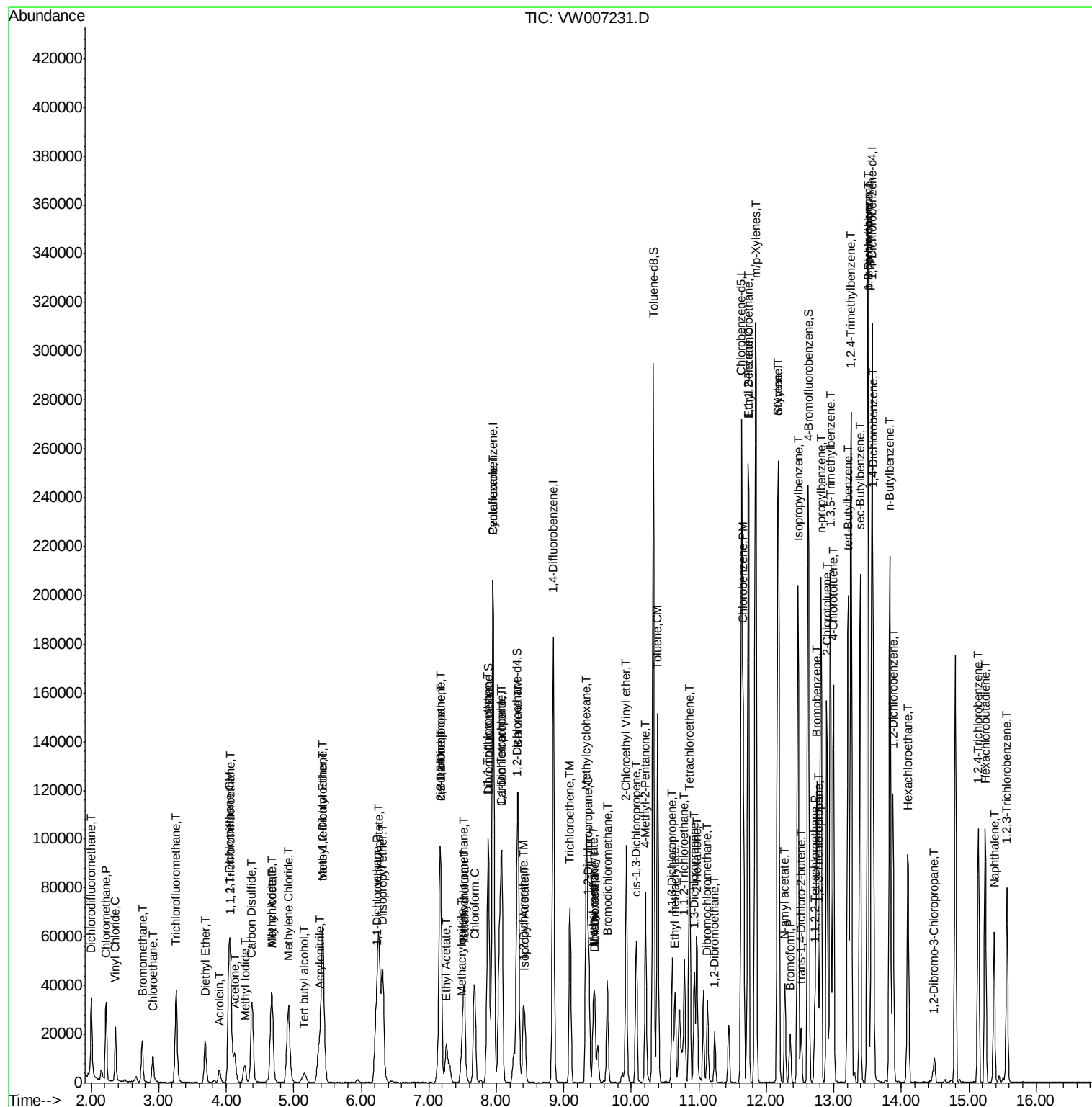
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32958	20.143	ug/l	98
94) Hexachlorobutadiene	15.24	225	18577	21.055	ug/l	98
95) Naphthalene	15.38	128	53974	18.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	27032	19.593	ug/l	99

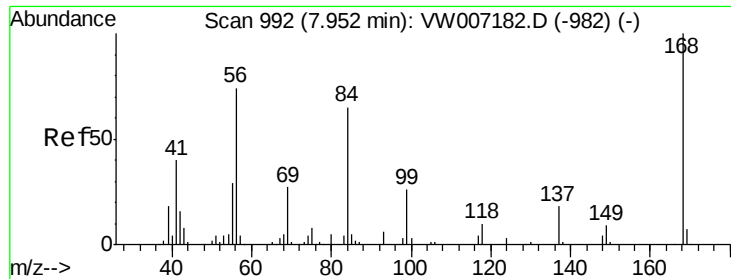
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

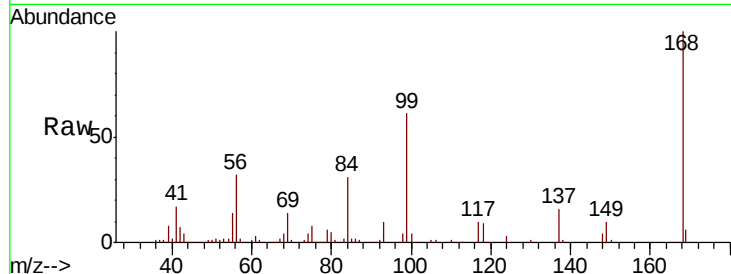
VW1205SBS01

Tot Ion:168 Resp: 104948

Ion Ratio Lower Upper

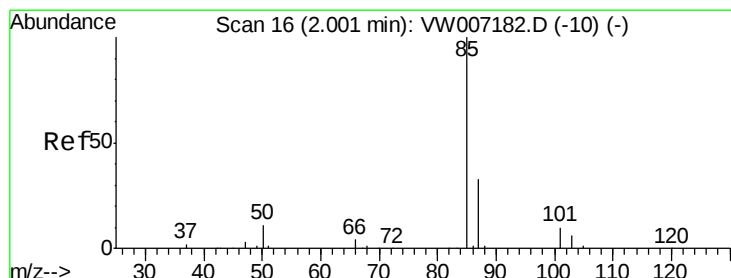
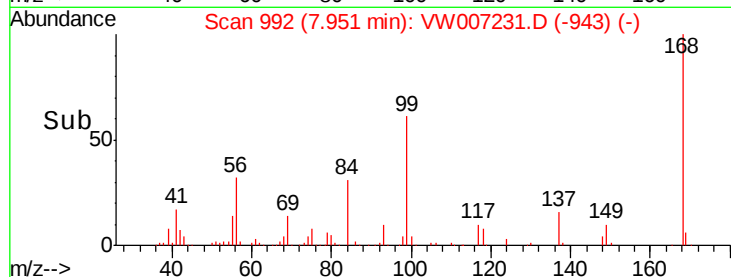
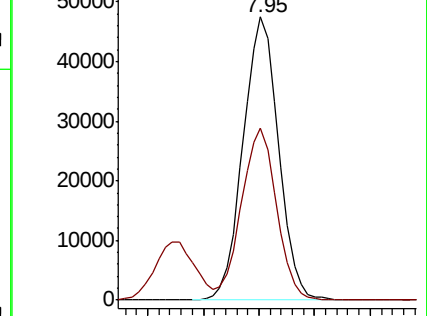
168 100

99 60.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.051 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007231.D

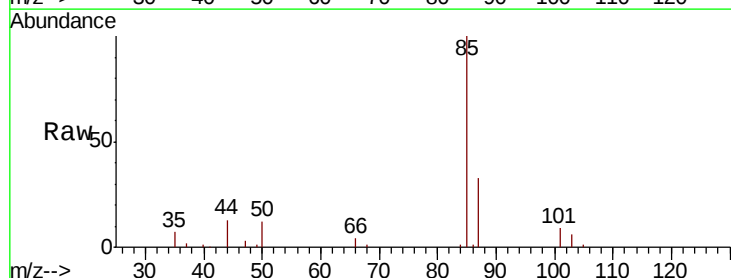
Acq: 05 Dec 2018 15:21

Tgt Ion: 85 Resp: 26468

Ion Ratio Lower Upper

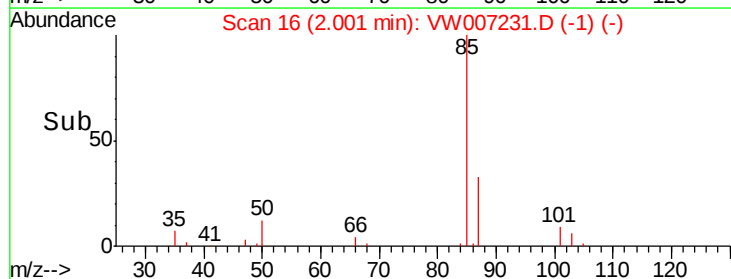
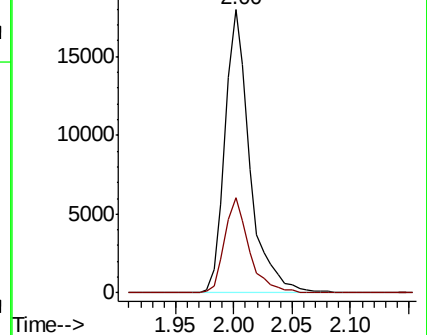
85 100

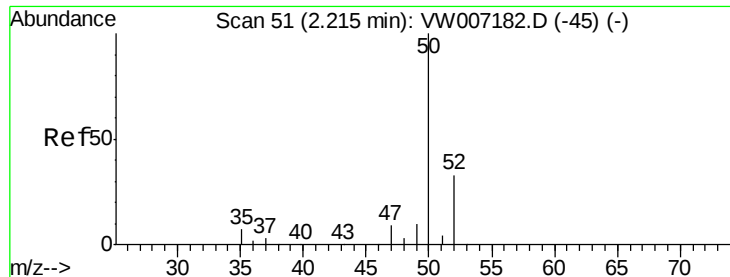
87 33.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.904 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

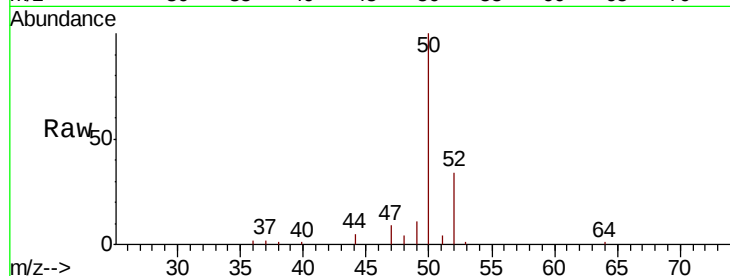
VW1205SBS01

Tot Ion: 50 Resp: 28942

Ion Ratio Lower Upper

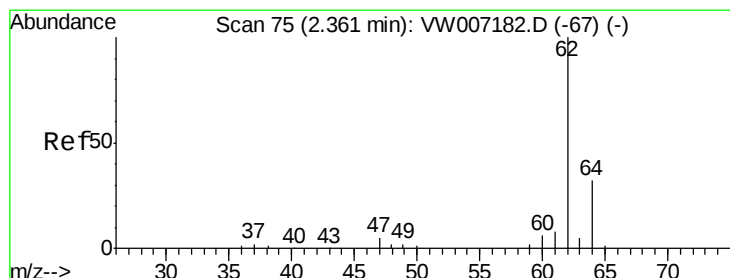
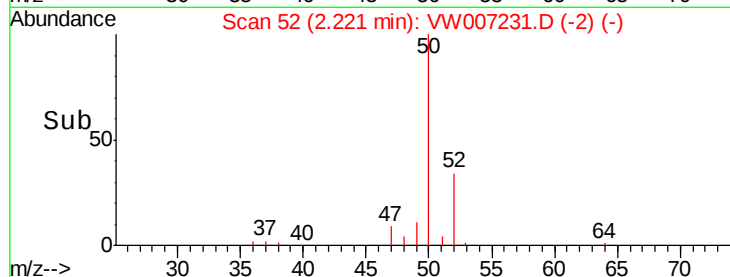
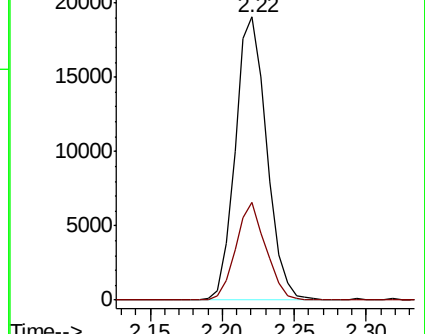
50 100

52 34.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.727 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007231.D

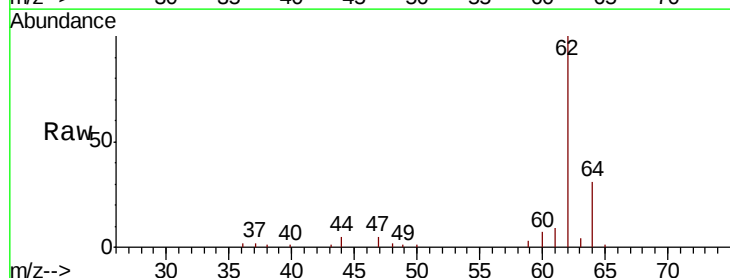
Acq: 05 Dec 2018 15:21

Tgt Ion: 62 Resp: 19781

Ion Ratio Lower Upper

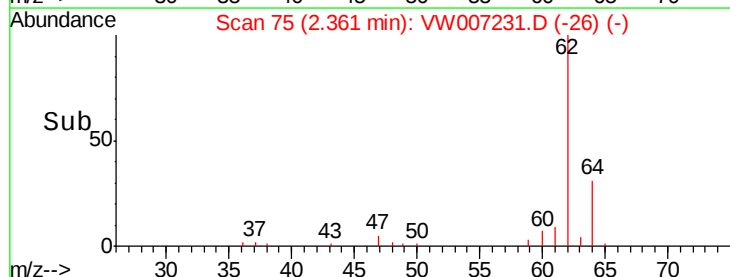
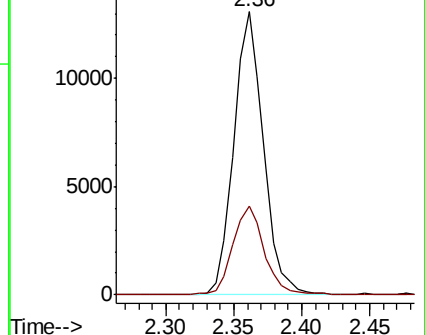
62 100

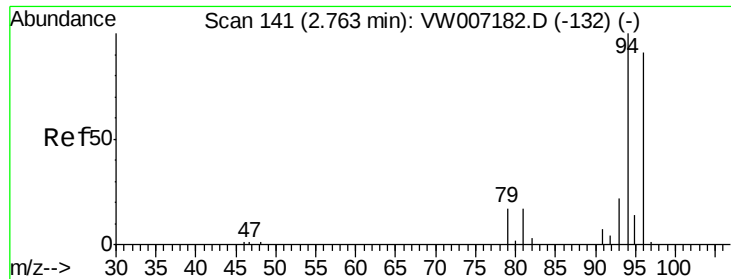
64 31.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

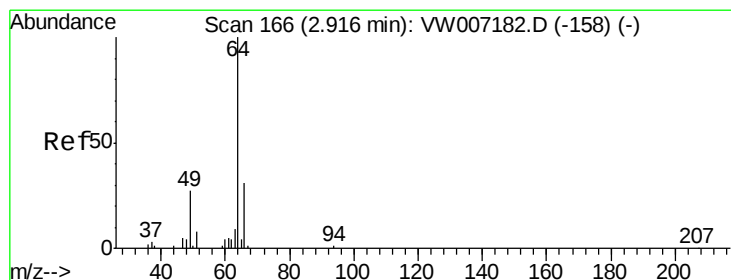
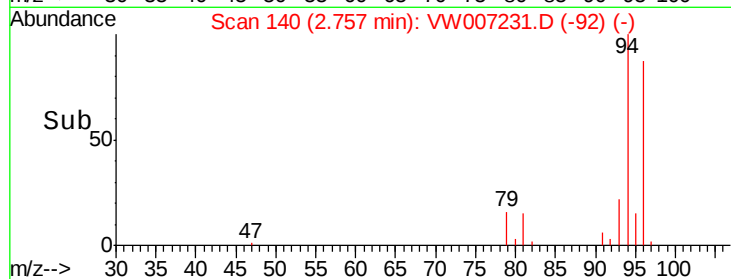
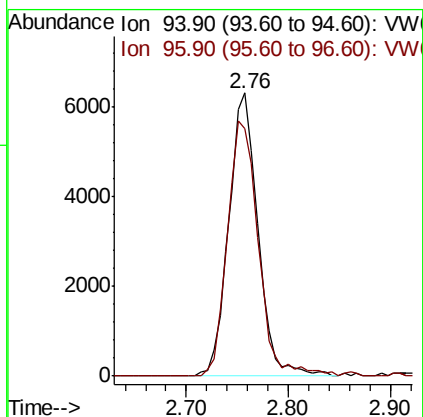
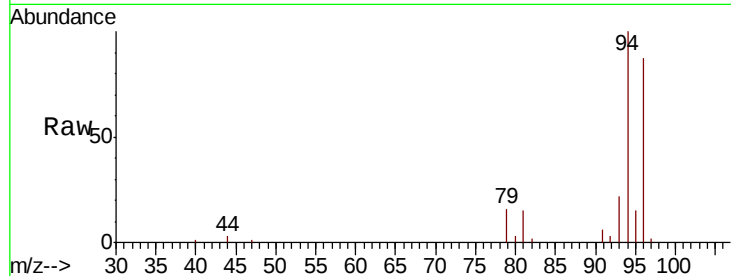




#5
Bromomethane
Concen: 27.391 ug/l
RT: 2.76 min Scan# 140
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

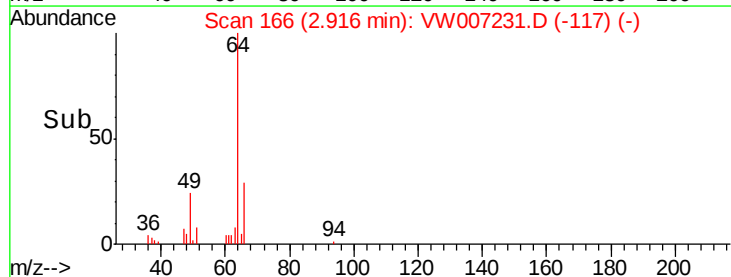
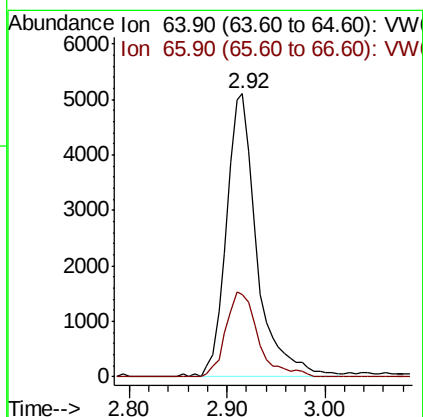
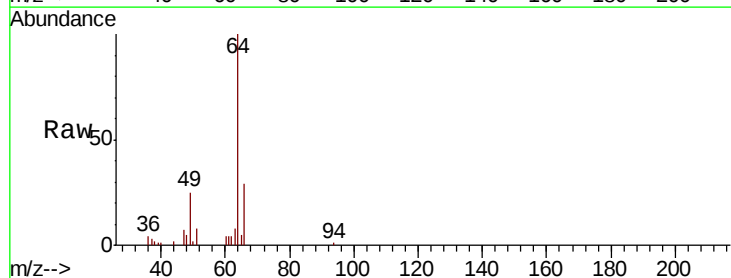
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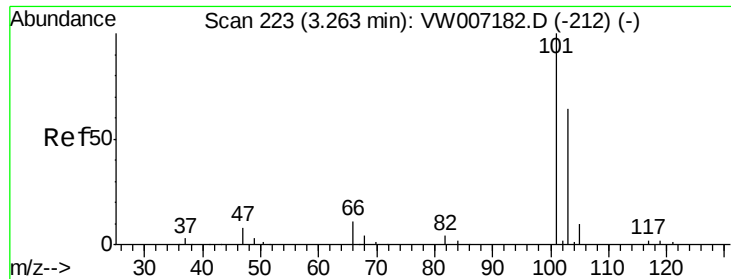
Tot Ion: 94 Resp: 12496
Ion Ratio Lower Upper
94 100
96 87.3 72.8 109.2



#6
Chloroethane
Concen: 21.630 ug/l
RT: 2.92 min Scan# 166
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 64 Resp: 11049
Ion Ratio Lower Upper
64 100
66 29.3 25.0 37.6



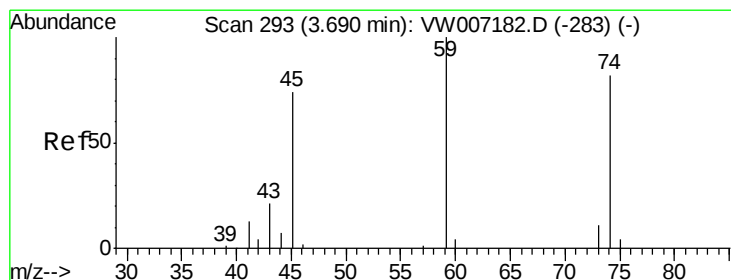
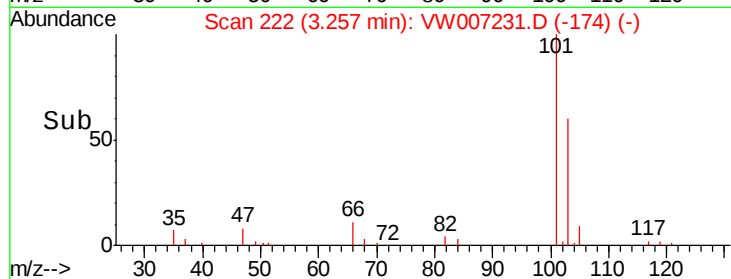
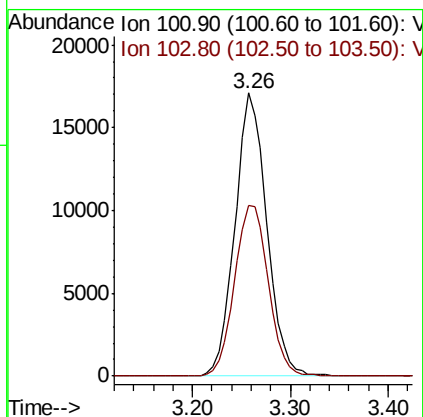
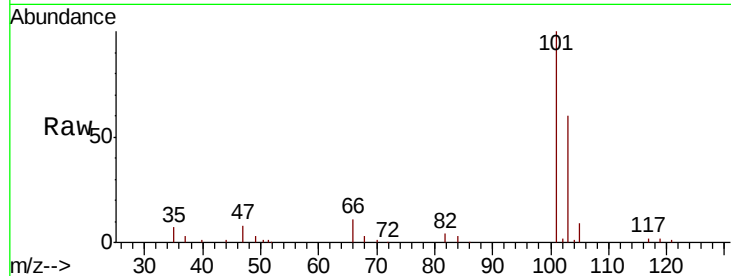


#7

Trichlorofluoromethane
Concen: 21.745 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Instrument :
MSVOA_W
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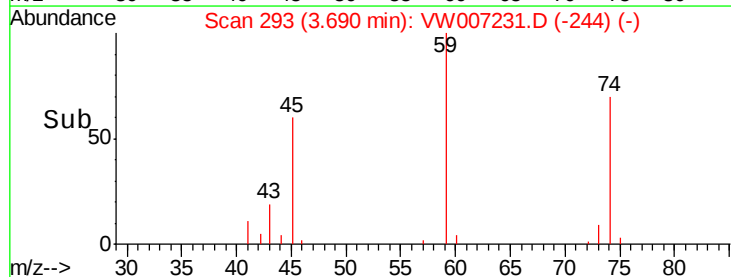
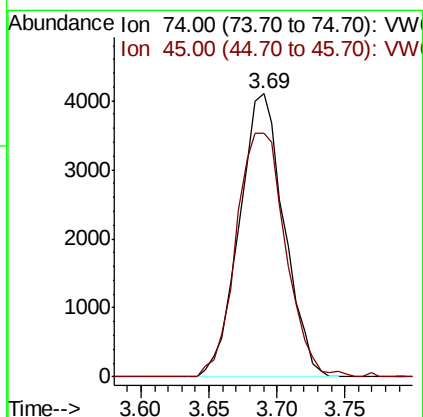
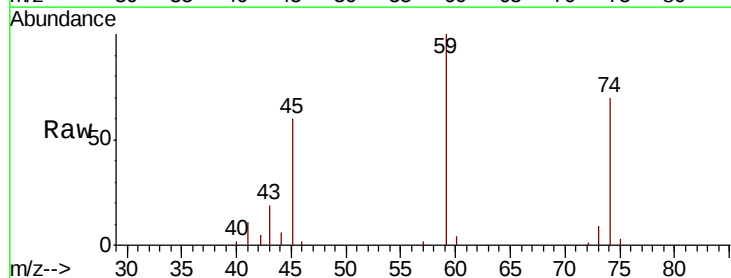
Tot Ion:101 Resp: 38597
Ion Ratio Lower Upper
101 100
103 60.4 50.9 76.3

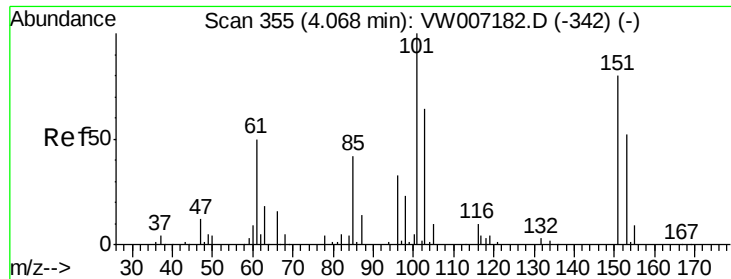


#8

Diethyl Ether
Concen: 19.092 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 74 Resp: 9446
Ion Ratio Lower Upper
74 100
45 95.2 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.005 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

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ClientSampleId :

VW1205SBS01

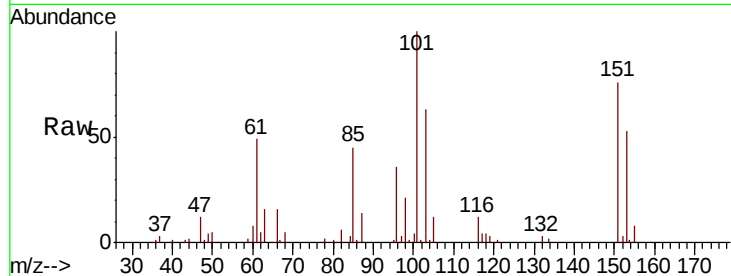
Tot Ion:101 Resp: 22523

Ion Ratio Lower Upper

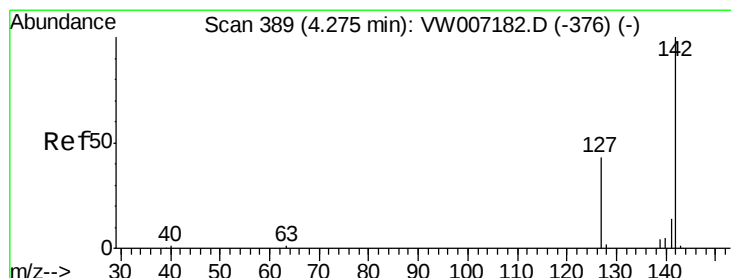
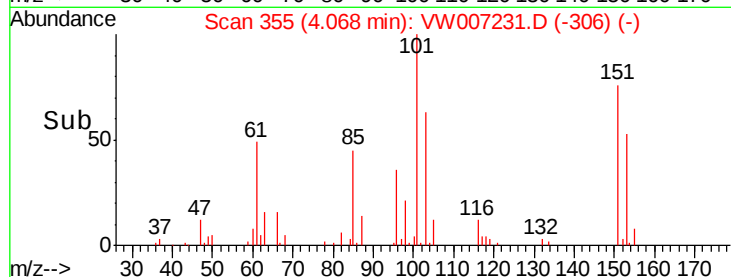
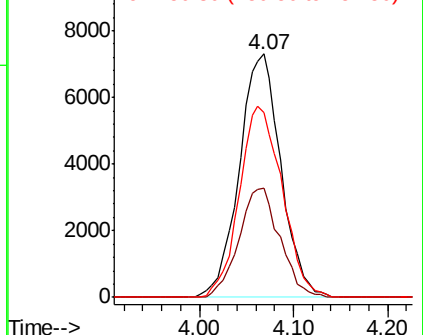
101 100

85 44.1 33.4 50.2

151 80.9 63.9 95.9



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: 13.512 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

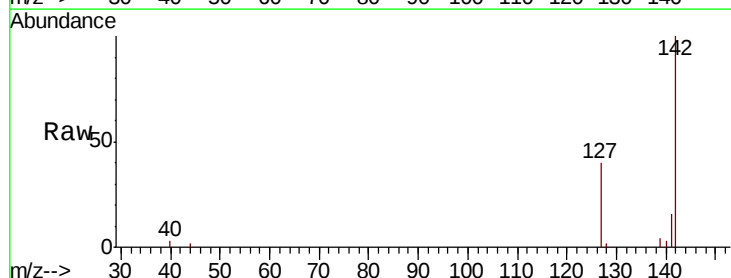
Tgt Ion:142 Resp: 12342

Ion Ratio Lower Upper

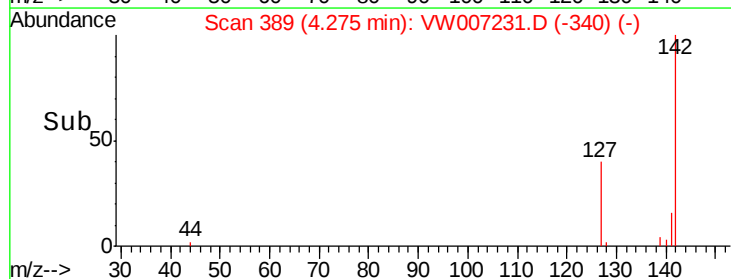
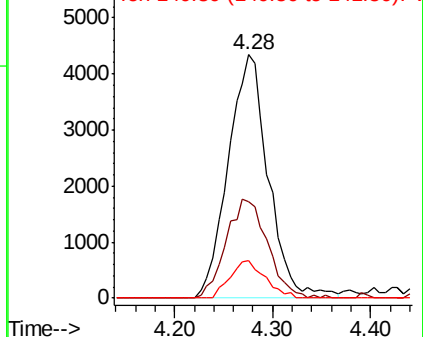
142 100

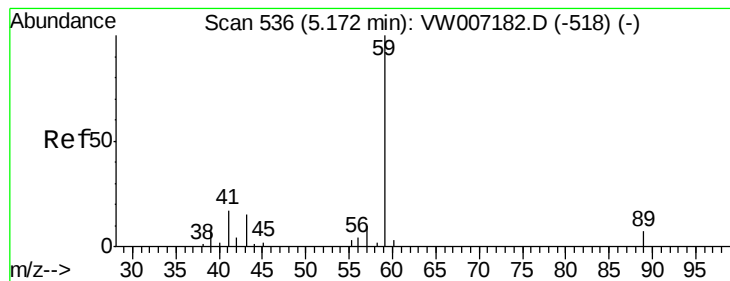
127 41.6 34.9 52.3

141 13.5 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 71.683 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

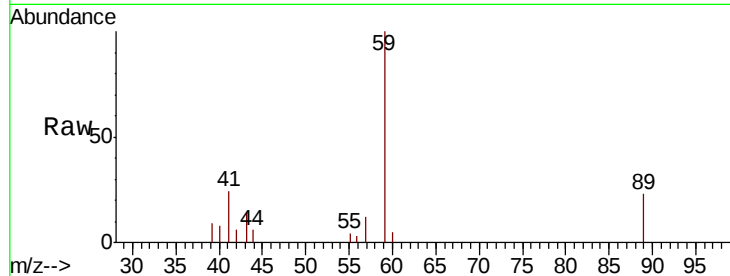
VW1205SBS01

Tot Ion: 59 Resp: 7945

Ion Ratio Lower Upper

59 100

57 6.8 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

2000

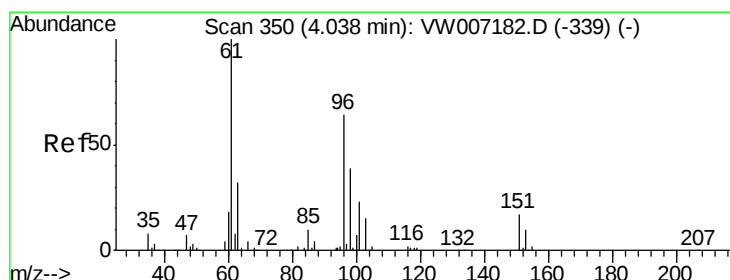
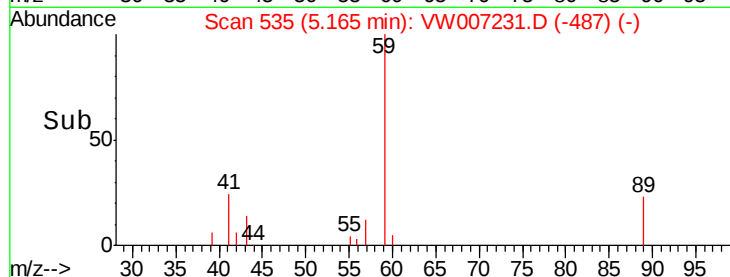
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 20.894 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

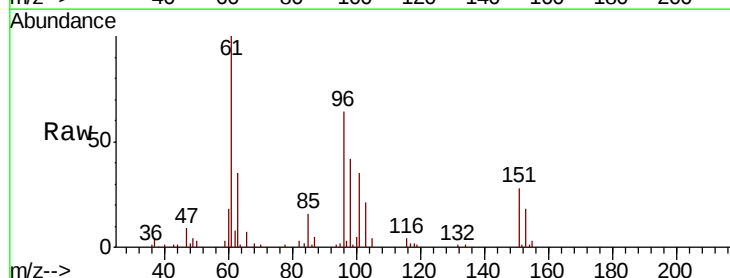
Tgt Ion: 96 Resp: 20995

Ion Ratio Lower Upper

96 100

61 155.2 124.1 186.1

98 64.7 48.6 72.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

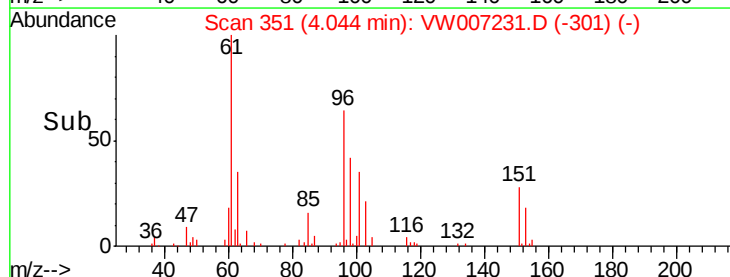
15000

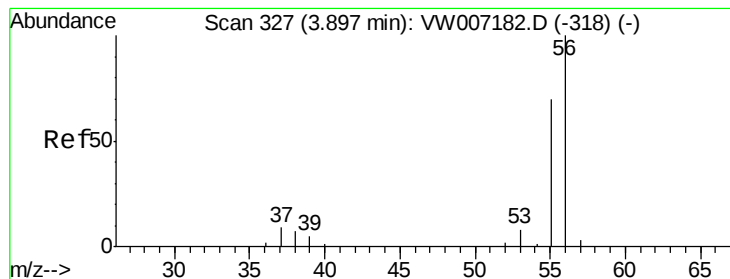
10000

5000

0

Time-->





#13

Acrolein

Concen: 91.302 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

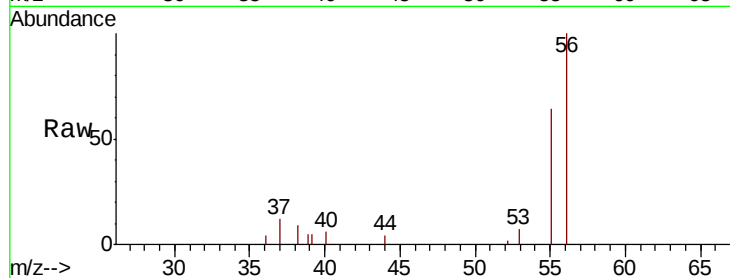
VW1205SBS01

Tot Ion: 56 Resp: 6251

Ion Ratio Lower Upper

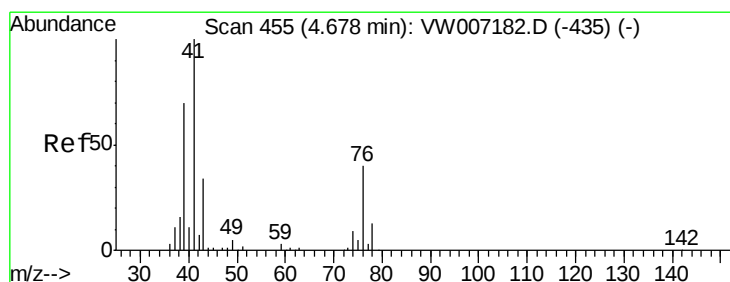
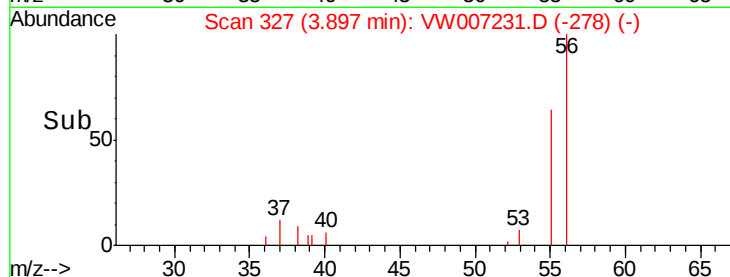
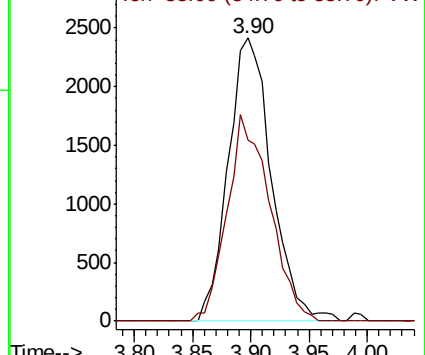
56 100

55 71.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.400 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

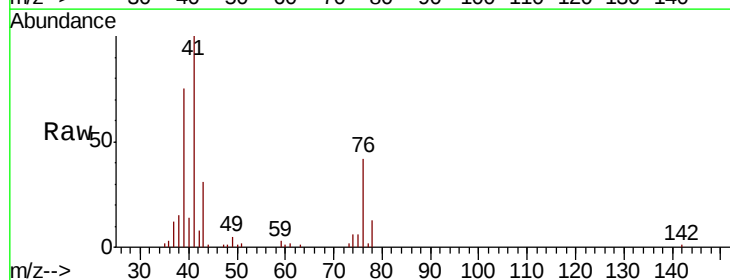
Tgt Ion: 41 Resp: 32857

Ion Ratio Lower Upper

41 100

39 70.8 55.9 83.9

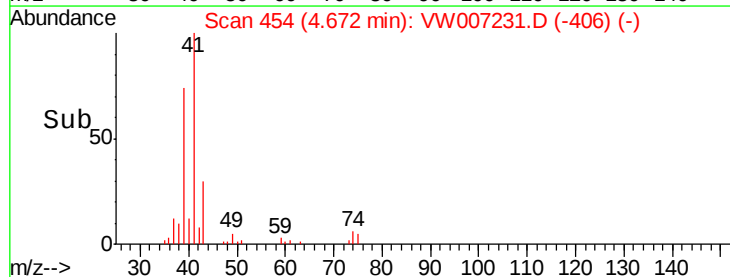
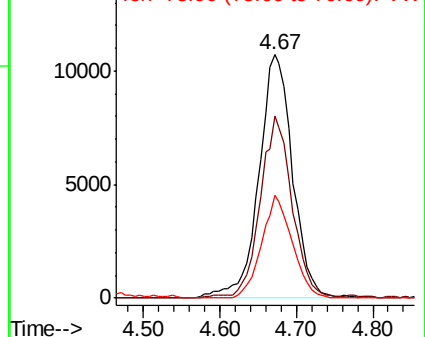
76 38.4 30.8 46.2

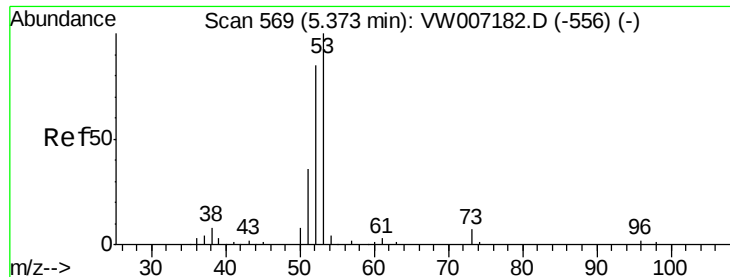


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 92.450 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

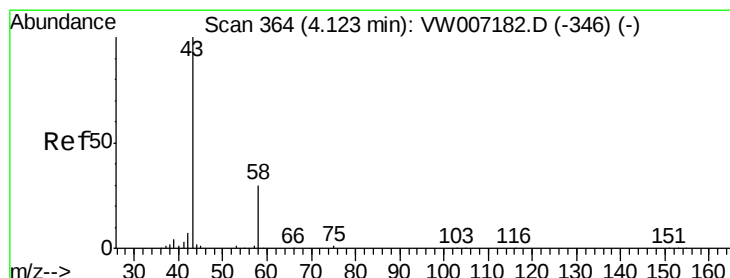
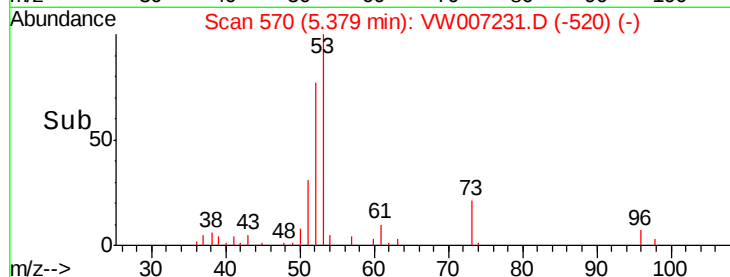
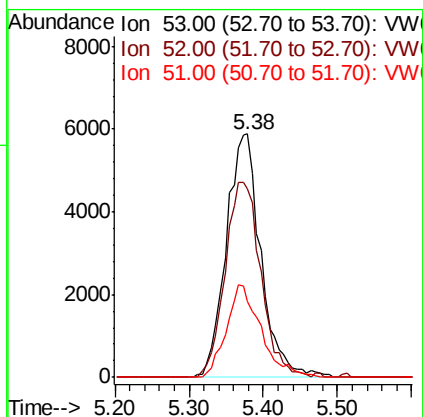
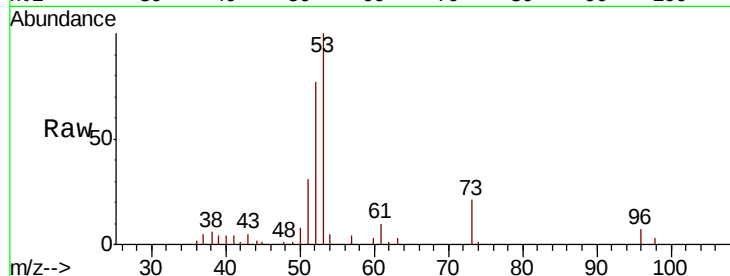
Tot Ion: 53 Resp: 19122

Ion Ratio Lower Upper

53 100

52 82.6 66.1 99.1

51 37.9 30.3 45.5



#16

Acetone

Concen: 87.560 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW007231.D

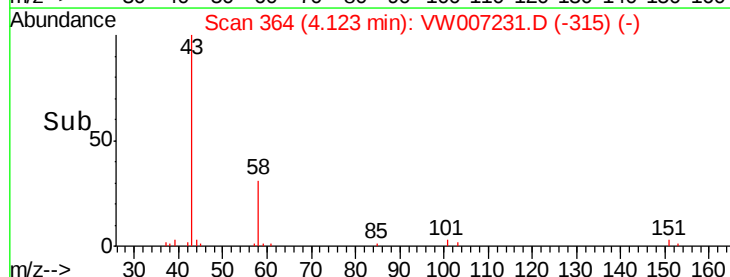
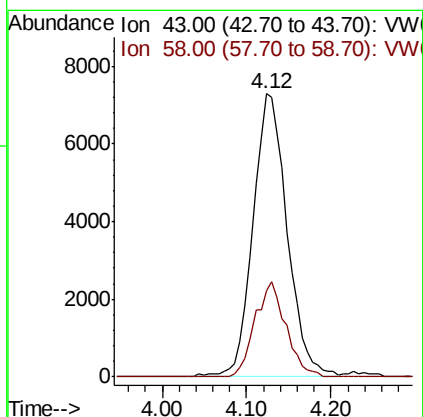
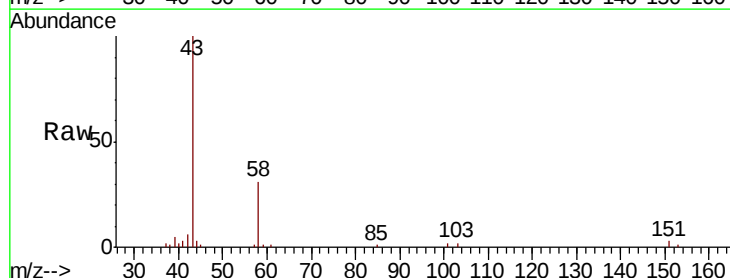
Acq: 05 Dec 2018 15:21

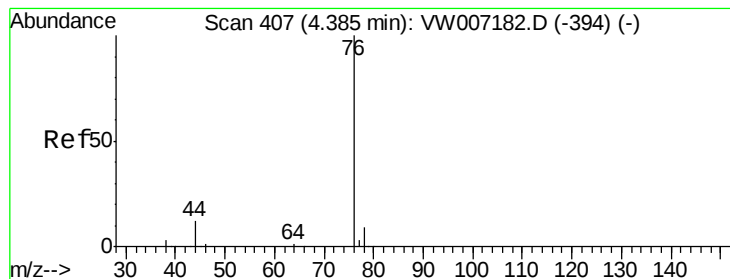
Tgt Ion: 43 Resp: 20254

Ion Ratio Lower Upper

43 100

58 30.6 23.8 35.8





#17

Carbon Disulfide

Concen: 20.539 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

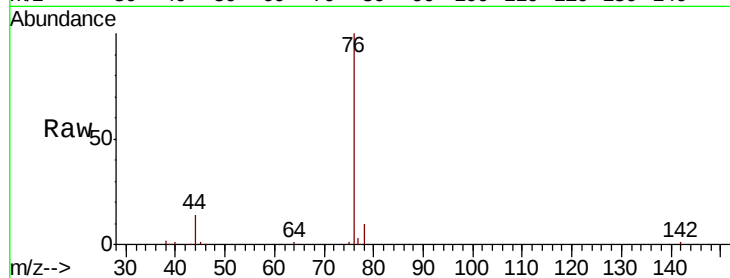
VW1205SBS01

Tot Ion: 76 Resp: 68031

Ion Ratio Lower Upper

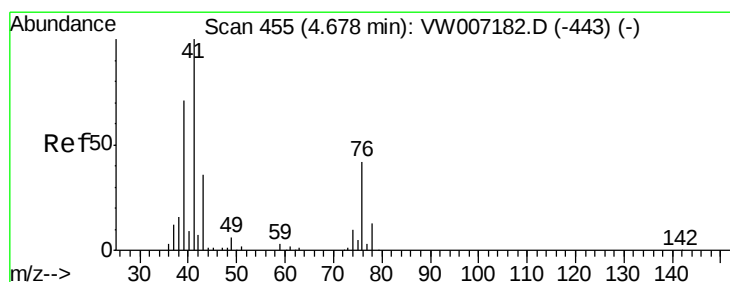
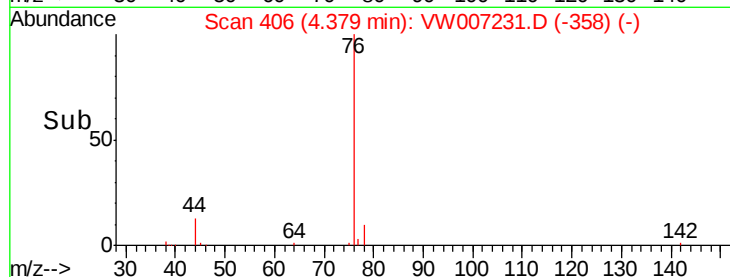
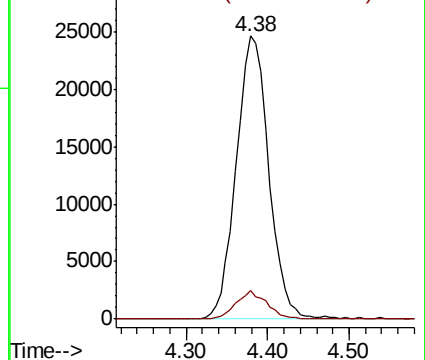
76 100

78 10.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.489 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007231.D

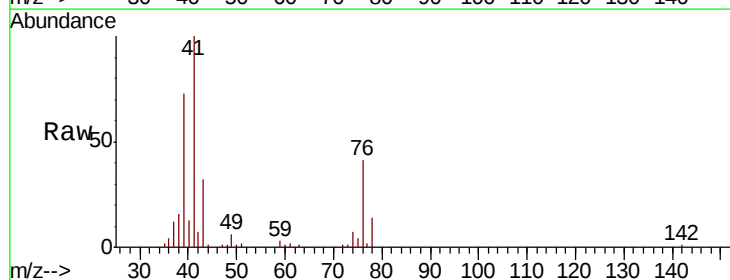
Acq: 05 Dec 2018 15:21

Tgt Ion: 43 Resp: 9762

Ion Ratio Lower Upper

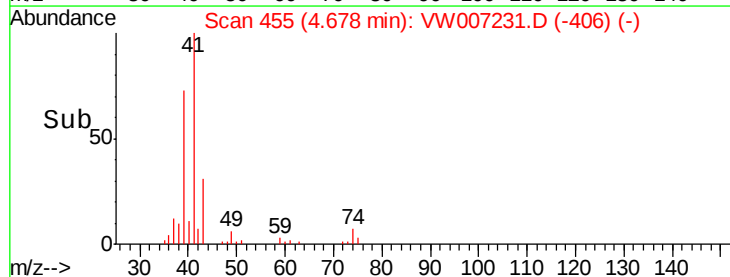
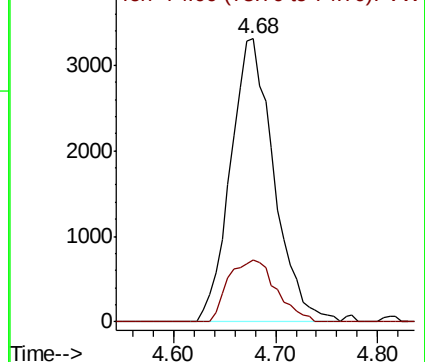
43 100

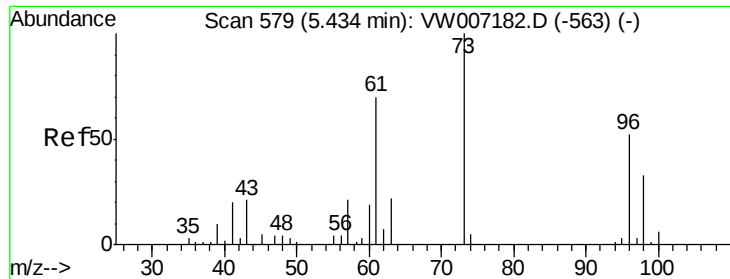
74 24.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

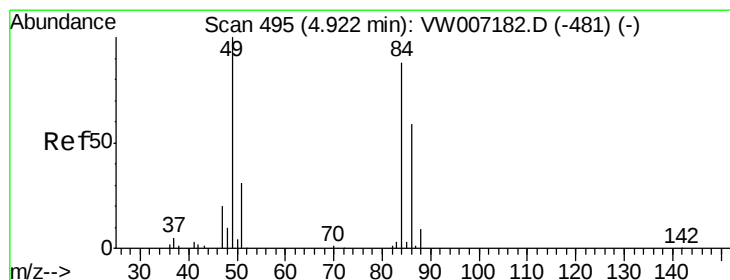
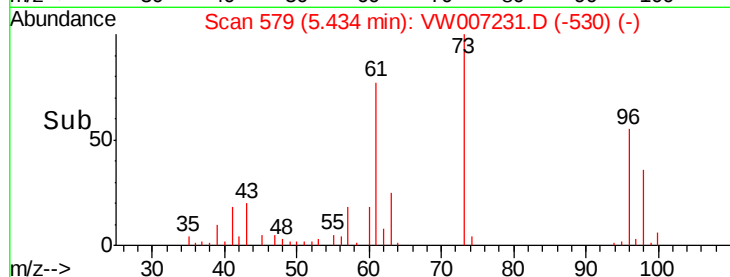
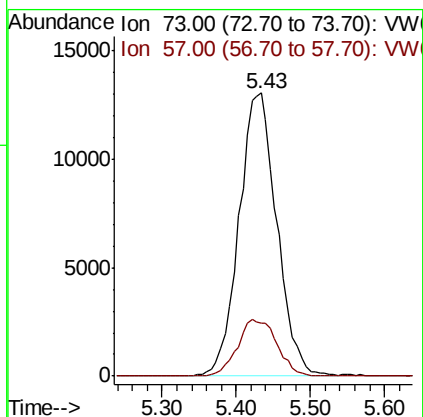
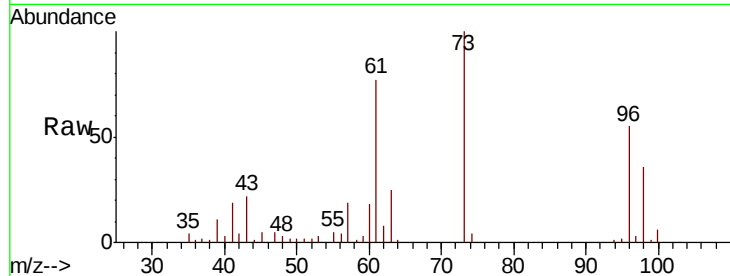




#19
Methyl tert-butyl Ether
Concen: 19.558 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

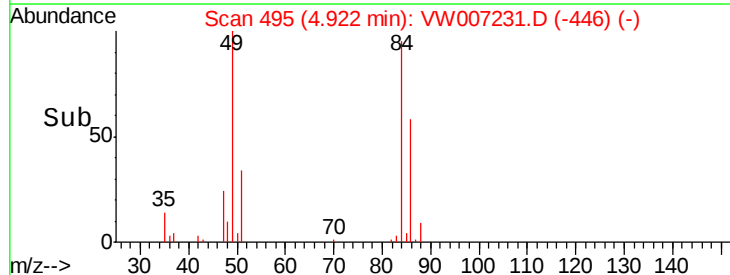
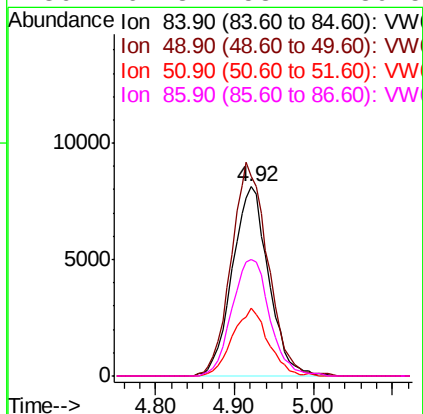
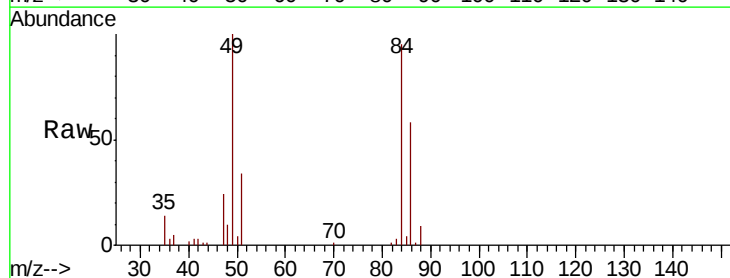
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

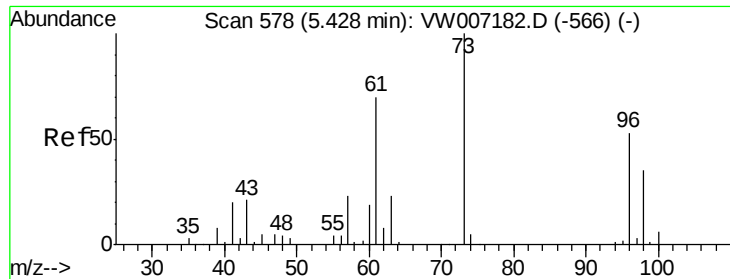
Tot Ion: 73 Resp: 46270
Ion Ratio Lower Upper
73 100
57 18.9 16.6 25.0



#20
Methylene Chloride
Concen: 19.124 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 84 Resp: 26029
Ion Ratio Lower Upper
84 100
49 105.7 90.6 135.8
51 35.7 27.6 41.4
86 61.3 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 21.070 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

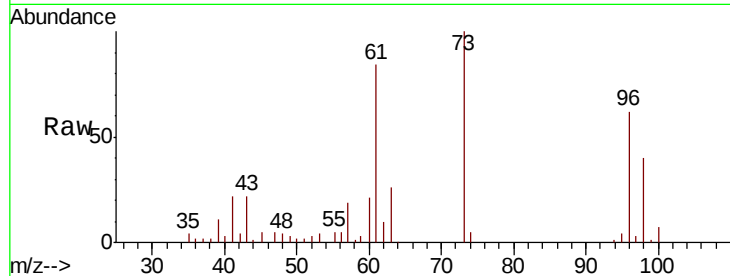
Tot Ion: 96 Resp: 23641

Ion Ratio Lower Upper

96 100

61 136.1 105.5 158.3

98 64.6 52.6 79.0

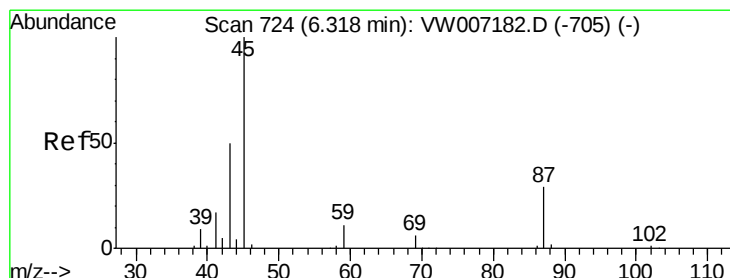
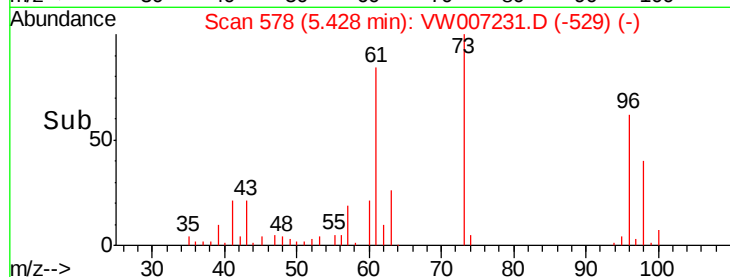
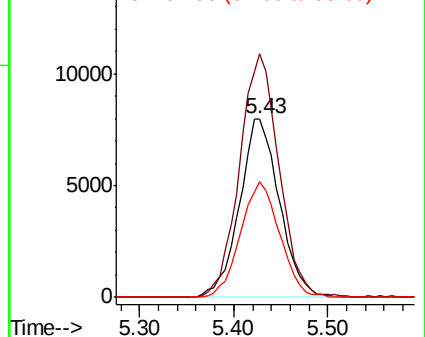


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.401 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Tgt Ion: 45 Resp: 58987

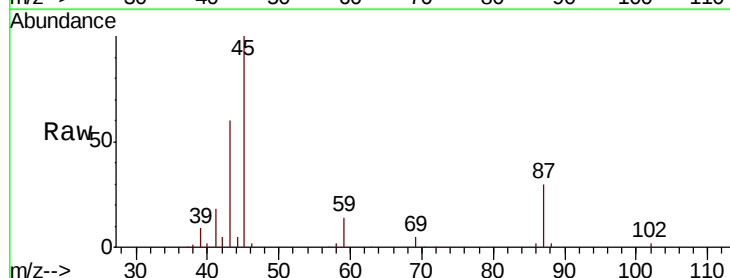
Ion Ratio Lower Upper

45 100

43 58.5 40.8 61.2

87 29.6 24.0 36.0

59 14.0 9.1 13.7#



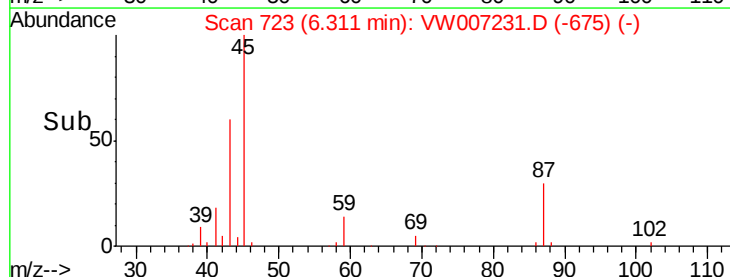
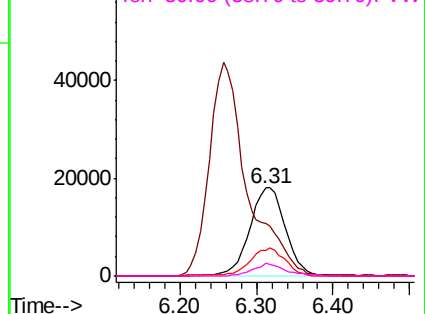
Abundance

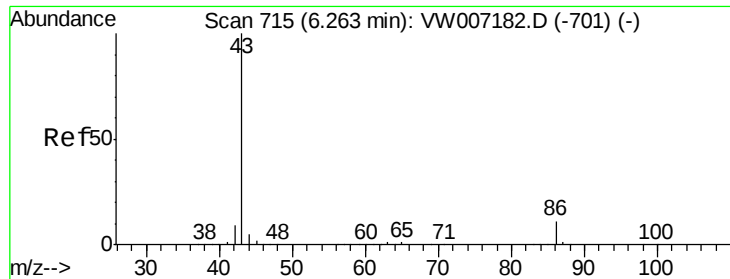
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 95.908 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

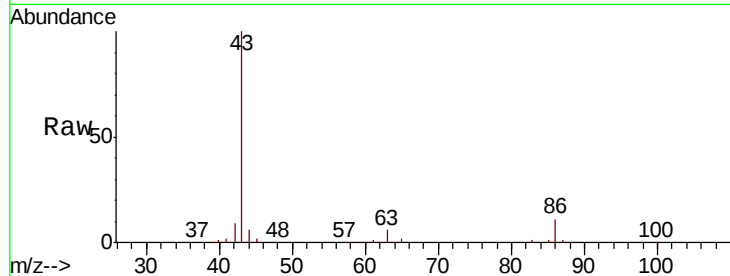
VW1205SBS01

Tot Ion: 43 Resp: 151313

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

50000

40000

30000

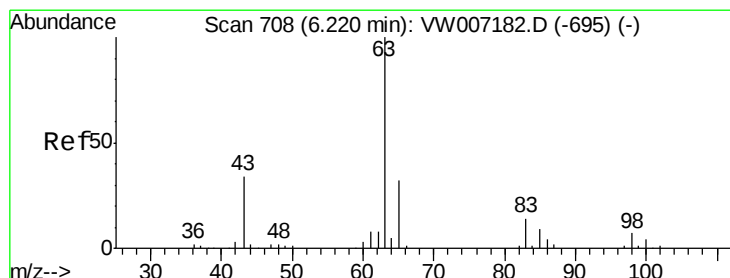
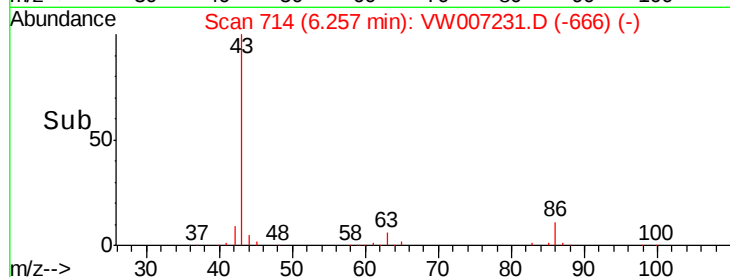
20000

10000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 20.959 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

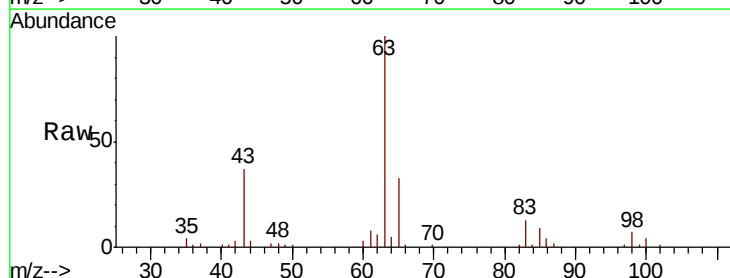
Tgt Ion: 63 Resp: 38842

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.3 2.1 6.2



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

6.22

15000

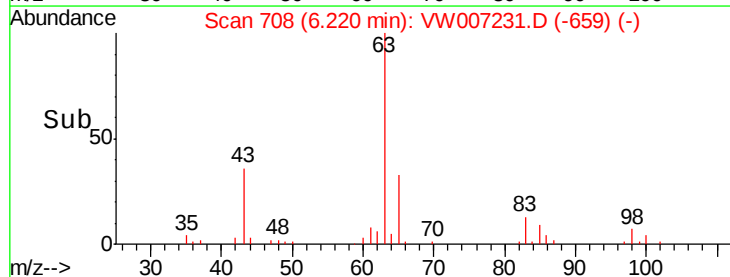
10000

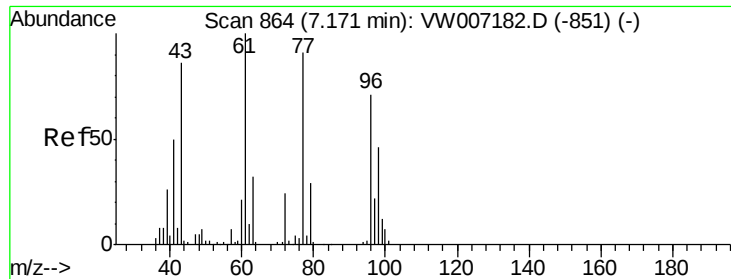
5000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 84.508 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

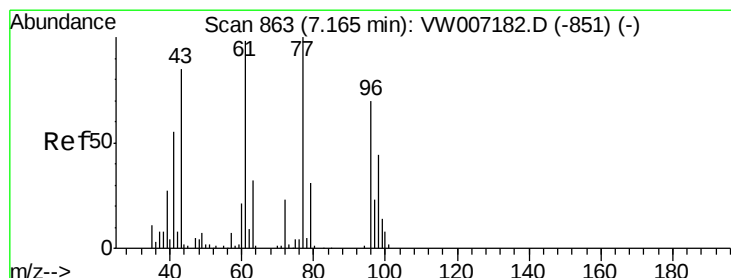
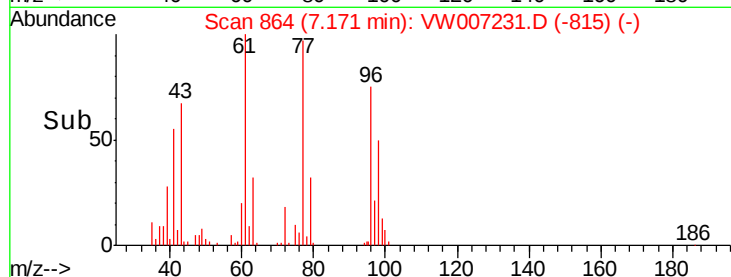
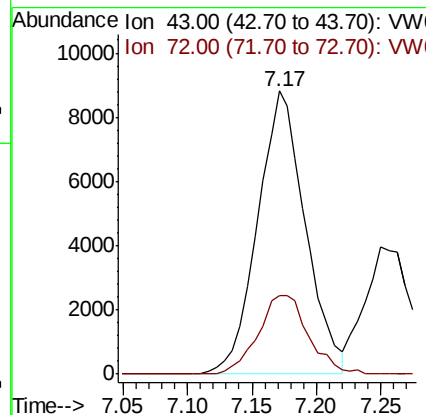
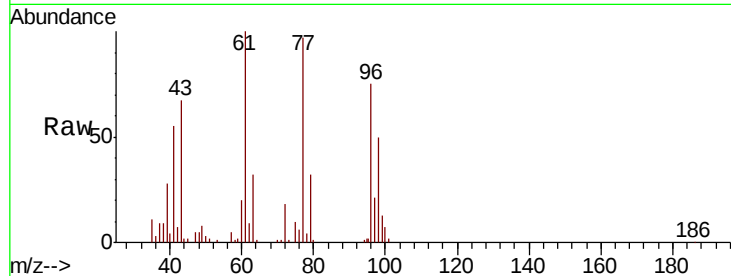
VW1205SBS01

Tot Ion: 43 Resp: 22660

Ion Ratio Lower Upper

43 100

72 27.7 22.8 34.2



#26

2,2-Dichloropropane

Concen: 21.085 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007231.D

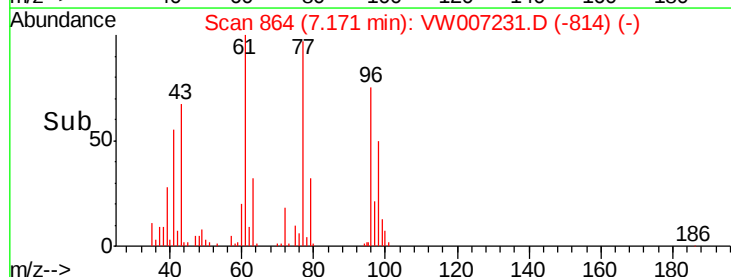
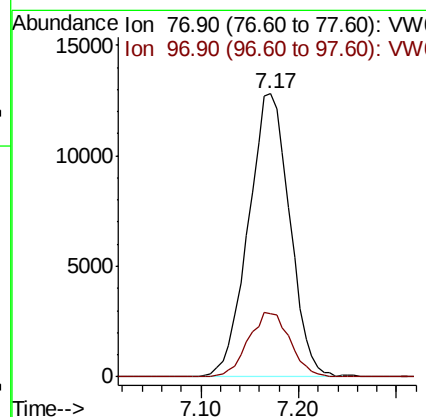
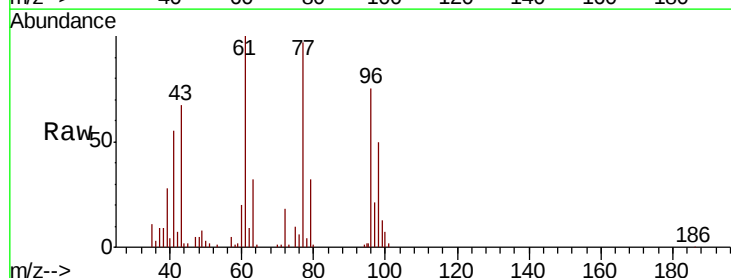
Acq: 05 Dec 2018 15:21

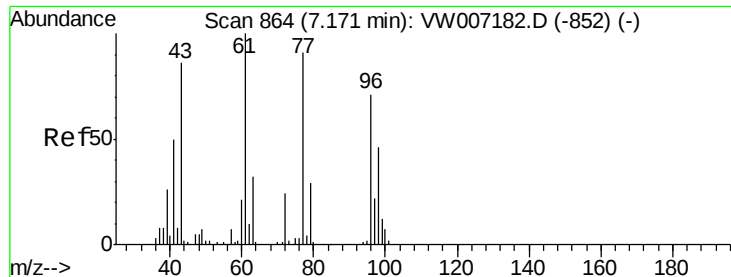
Tgt Ion: 77 Resp: 37551

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4



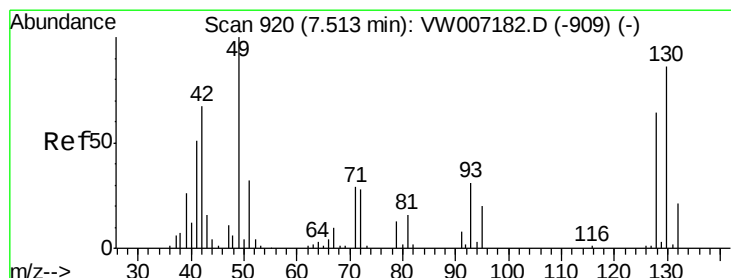
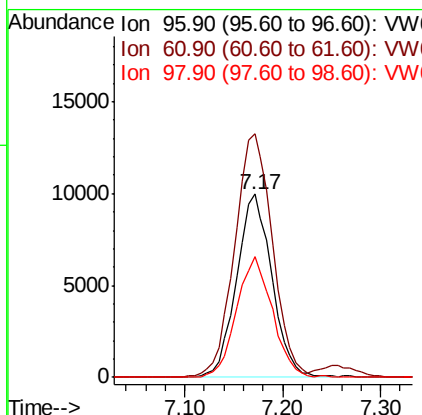
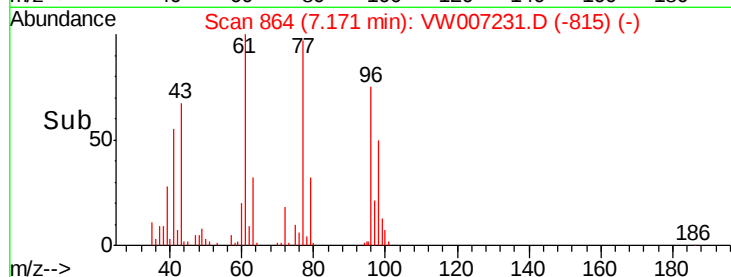
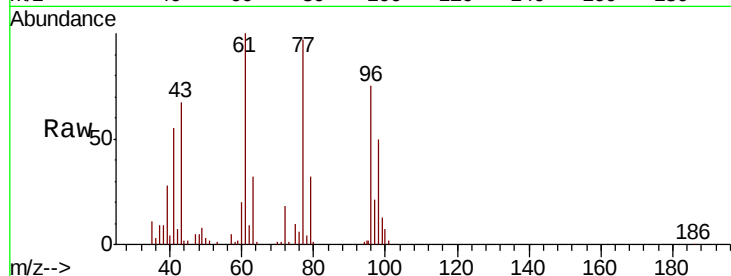


#27

cis-1,2-Dichloroethene
Concen: 20.822 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

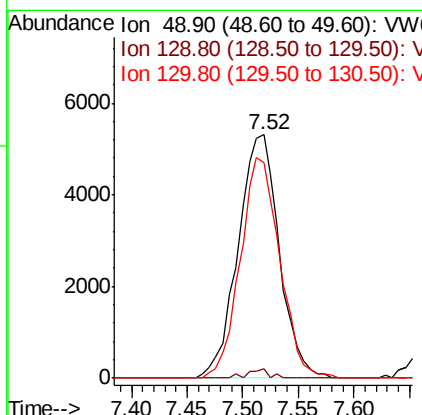
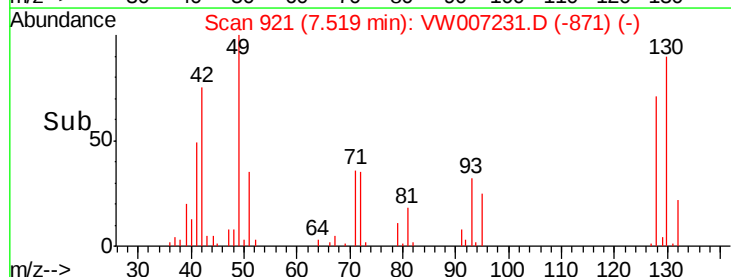
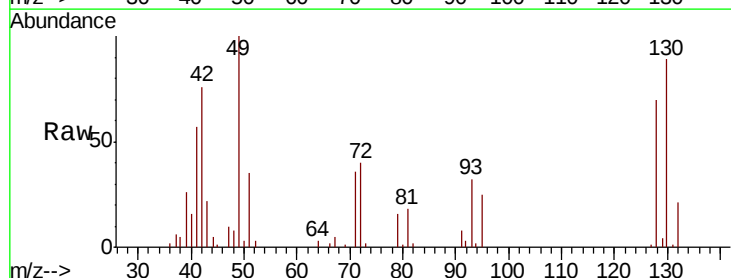
Tot Ion: 96 Resp: 25045
Ion Ratio Lower Upper
96 100
61 141.9 0.0 282.4
98 66.5 0.0 129.8

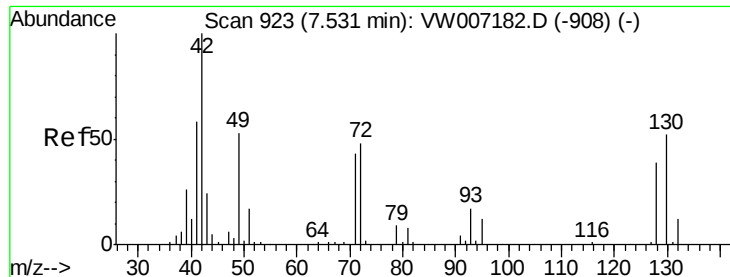


#28

Bromochloromethane
Concen: 20.383 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 49 Resp: 13621
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 87.0 70.3 105.5

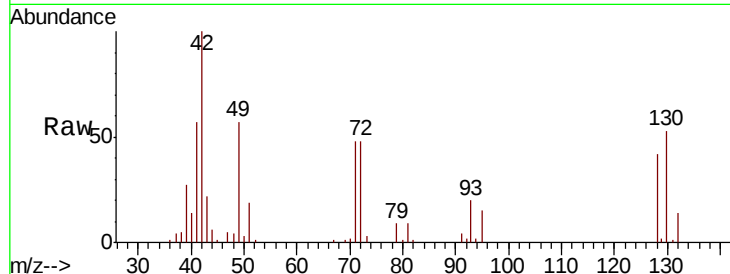




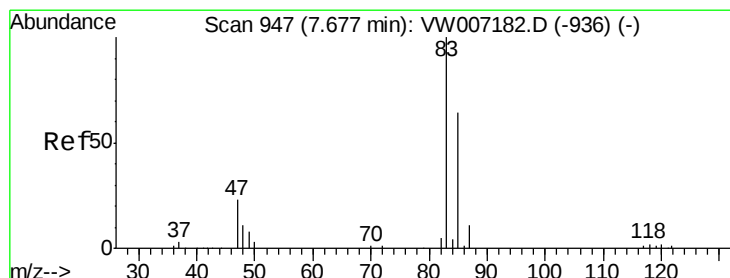
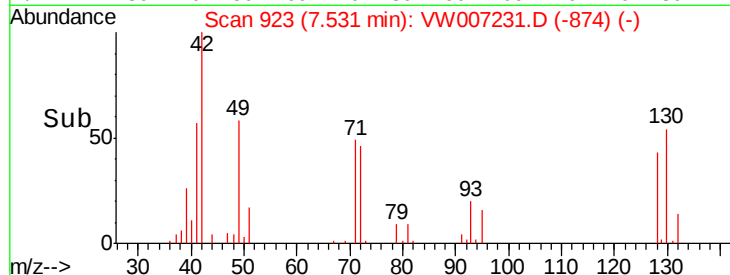
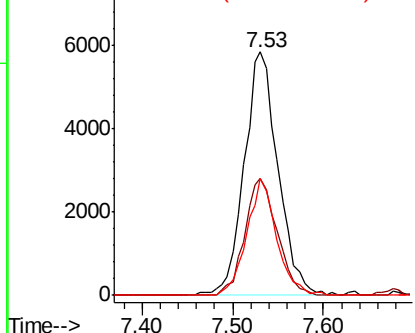
#29
Tetrahydrofuran
Concen: 91.183 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tot Ion: 42 Resp: 15109
Ion Ratio Lower Upper
42 100
72 46.0 36.6 55.0
71 42.1 34.8 52.2

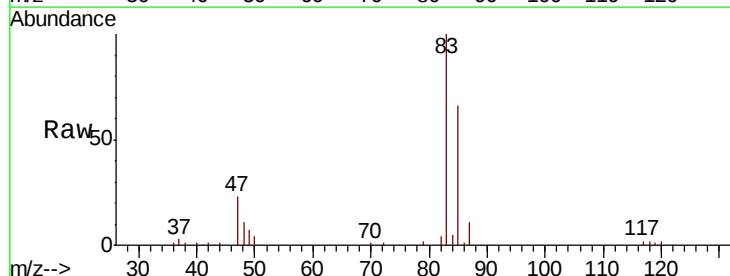


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

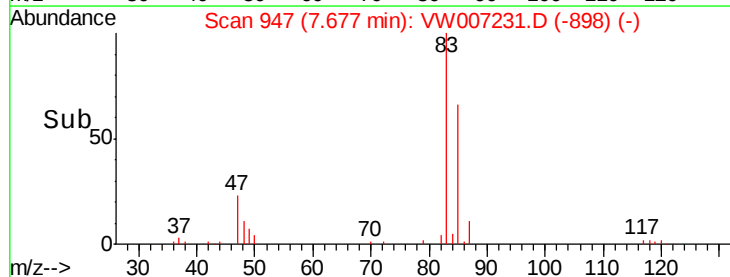
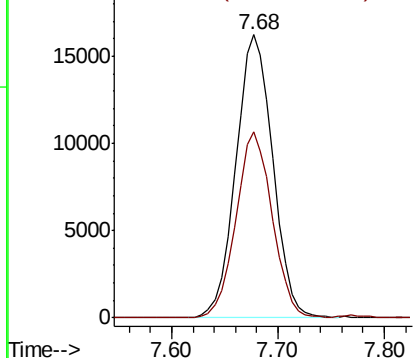


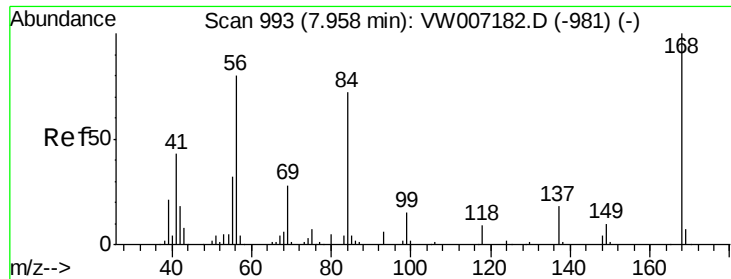
#30
Chloroform
Concen: 20.464 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 83 Resp: 39413
Ion Ratio Lower Upper
83 100
85 65.8 51.5 77.3



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

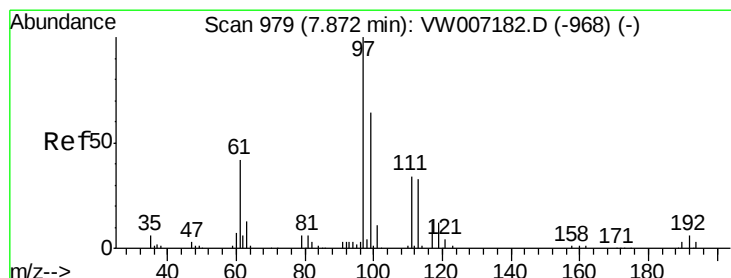
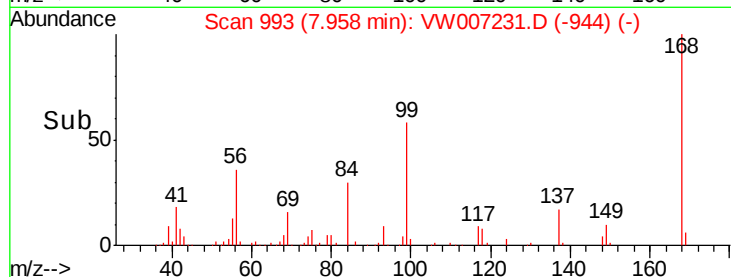
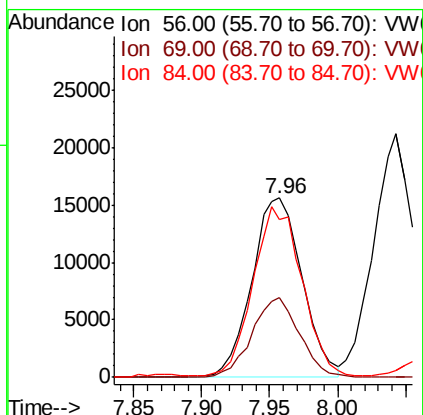
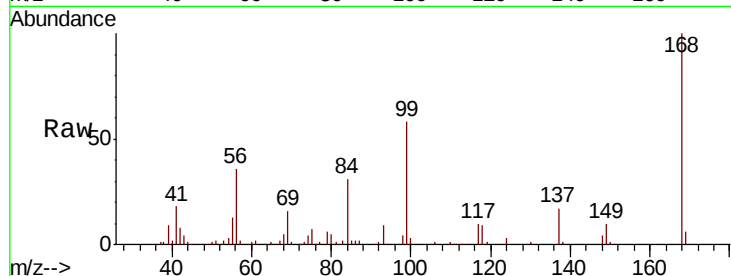




#31
Cyclohexane
Concen: 20.802 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

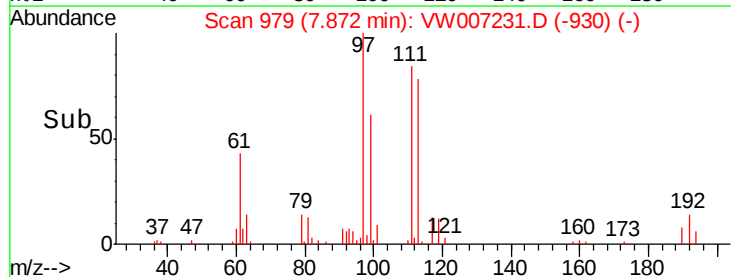
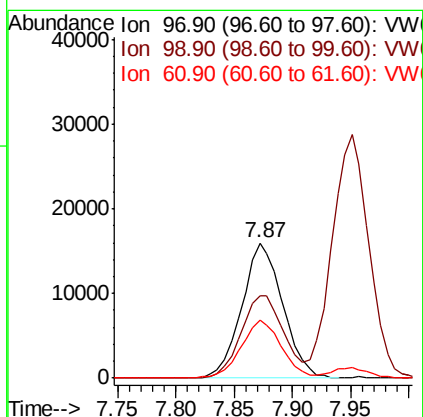
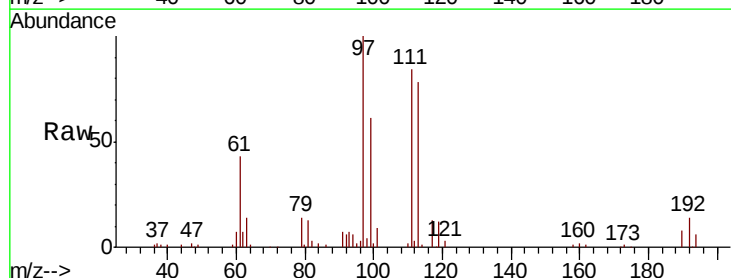
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

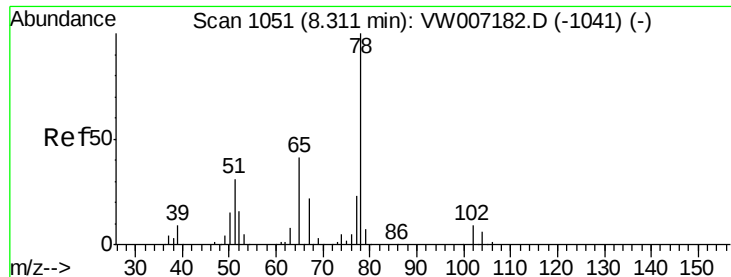
Tot Ion: 56 Resp: 40335
Ion Ratio Lower Upper
56 100
69 44.2 28.2 42.2#
84 86.9 72.1 108.1



#32
1,1,1-Trichloroethane
Concen: 21.483 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 97 Resp: 38938
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 42.4 33.2 49.8

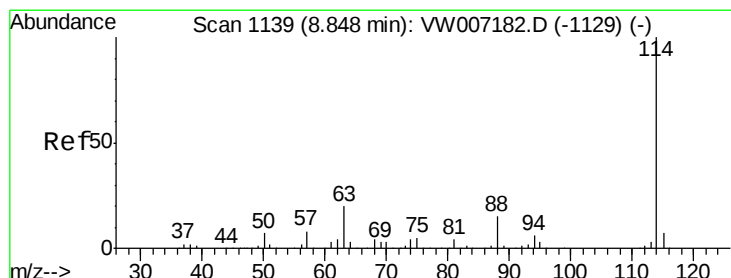
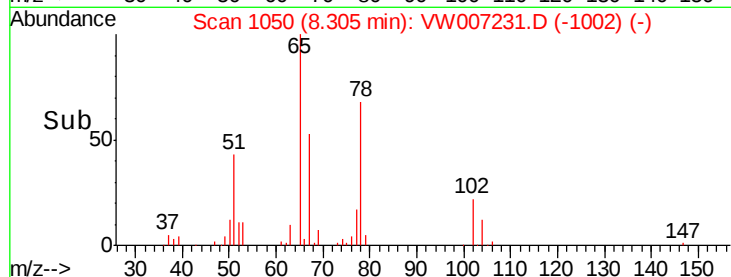
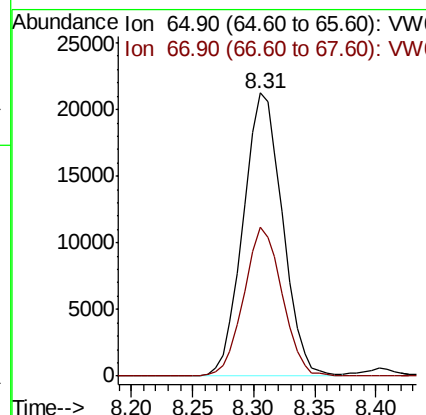
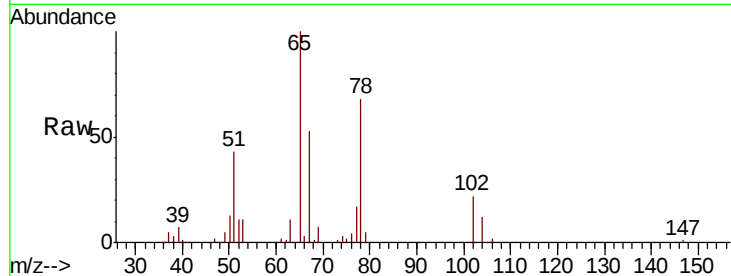




#33
 1,2-Dichloroethane-d4
 Concen: 48.733 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

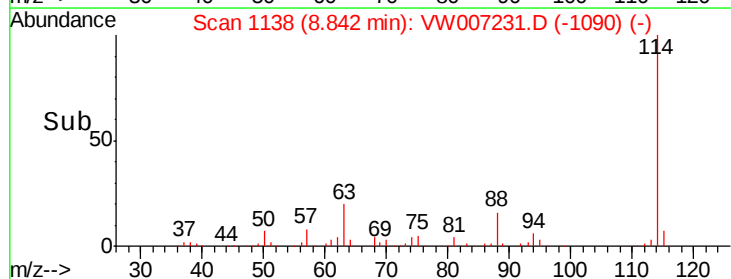
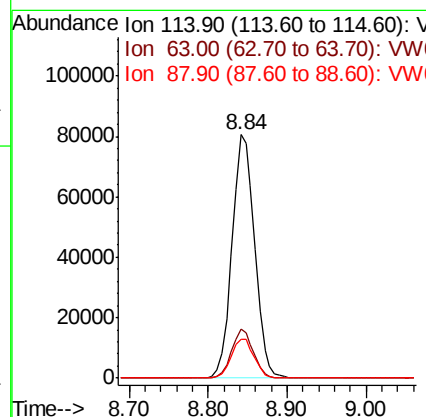
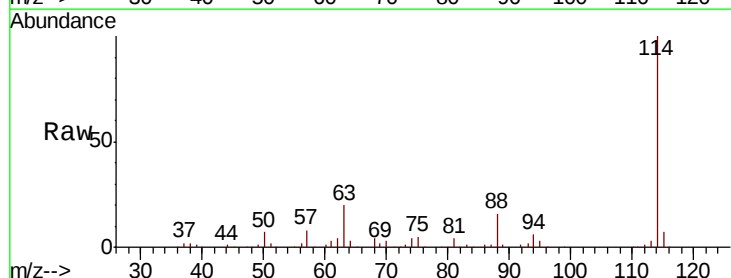
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

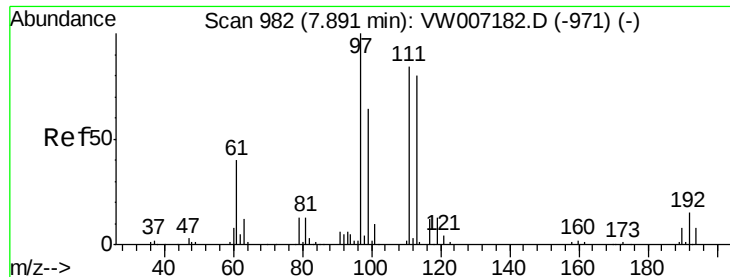
Tot Ion: 65 Resp: 47617
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion: 114 Resp: 160298
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.7 0.0 30.0

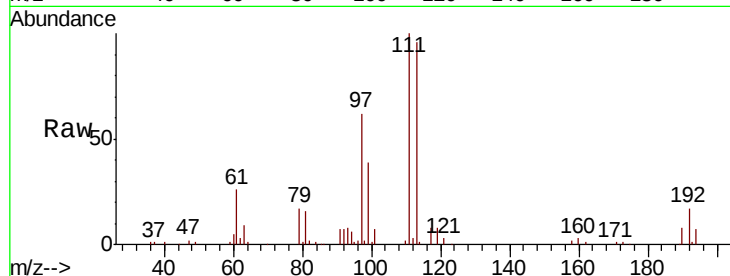




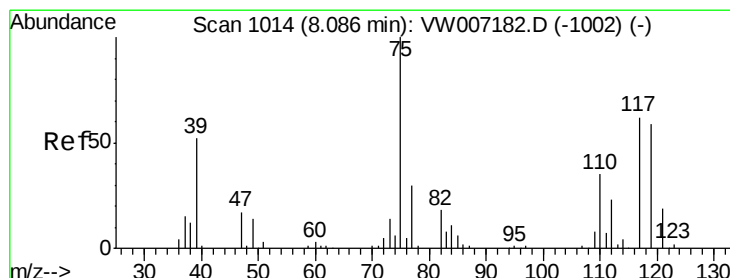
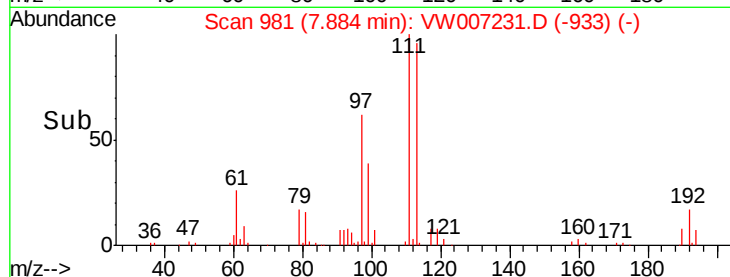
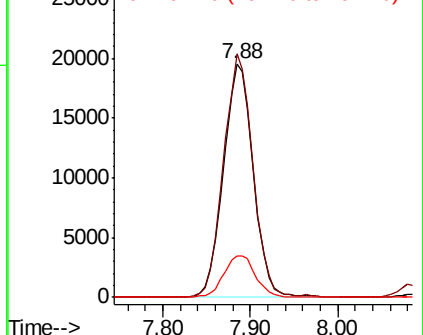
#35
 Dibromofluoromethane
 Concen: 50.328 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tot Ion:113 Resp: 46194
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 18.9 14.4 21.6

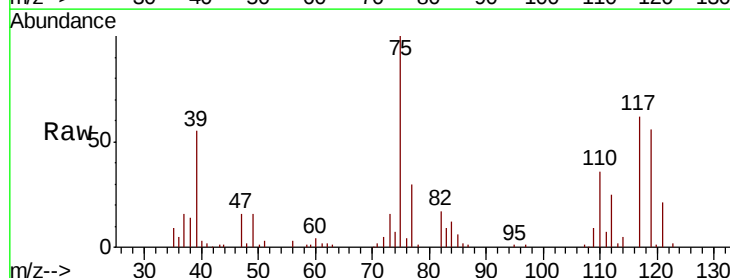


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

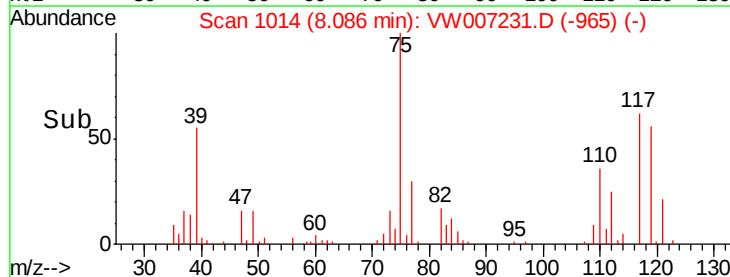
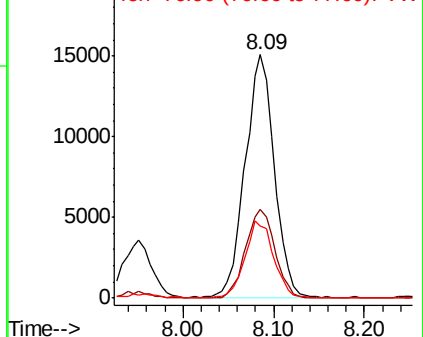


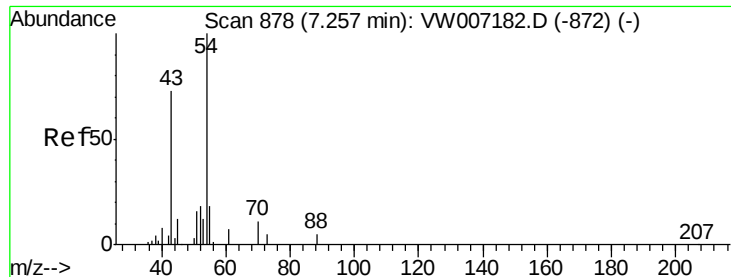
#36
 1,1-Dichloropropene
 Concen: 21.672 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion: 75 Resp: 33803
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.3 54.9
 77 31.1 24.9 37.3



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

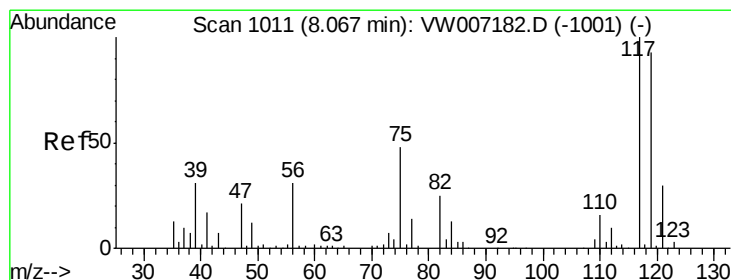
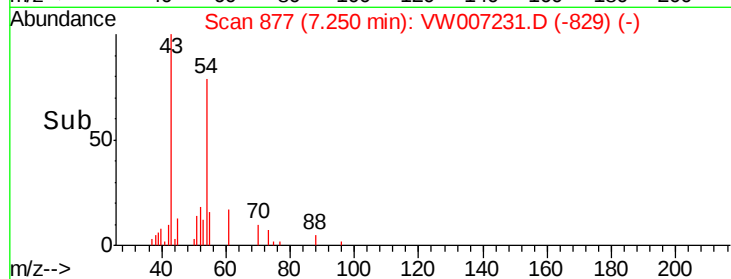
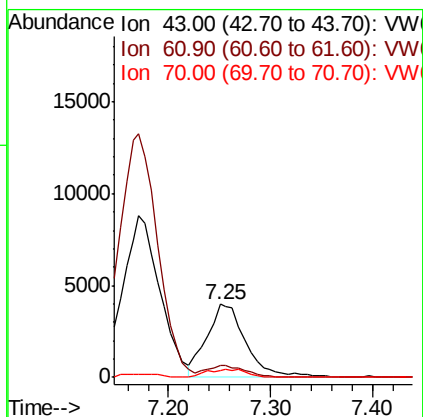
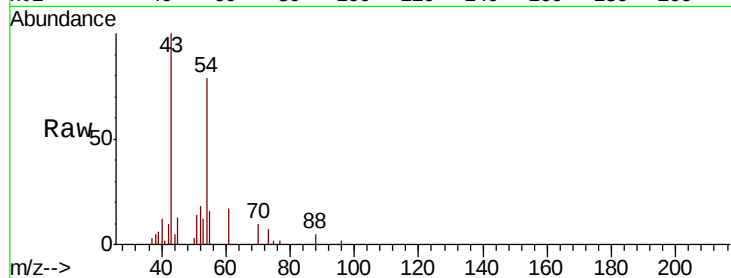




#37
Ethyl Acetate
Concen: 18.774 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

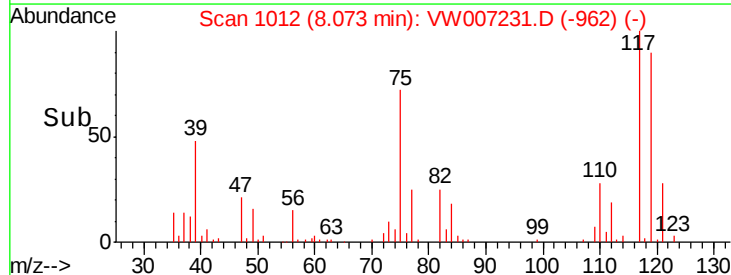
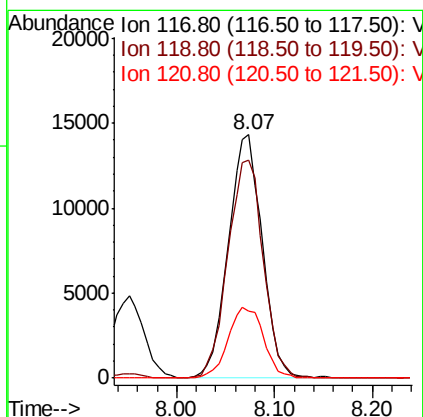
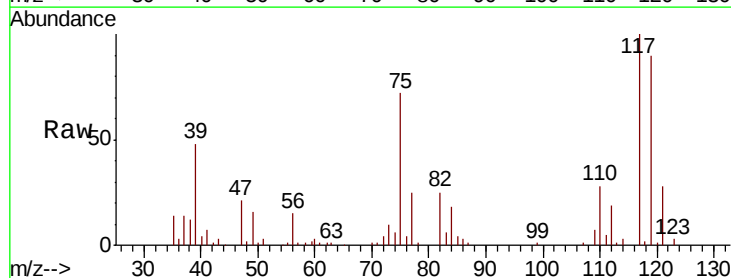
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

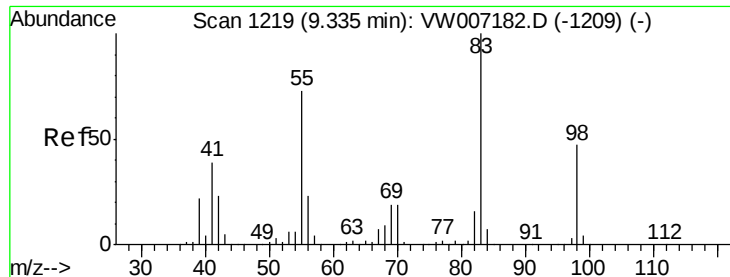
Tot Ion: 43 Resp: 10592
Ion Ratio Lower Upper
43 100
61 15.7 12.1 18.1
70 10.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 21.608 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 117 Resp: 34400
Ion Ratio Lower Upper
117 100
119 89.7 74.1 111.1
121 27.7 23.9 35.9

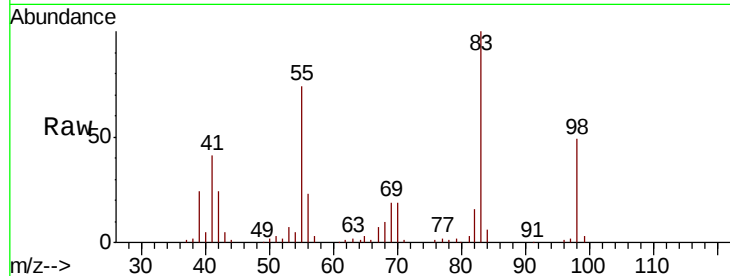




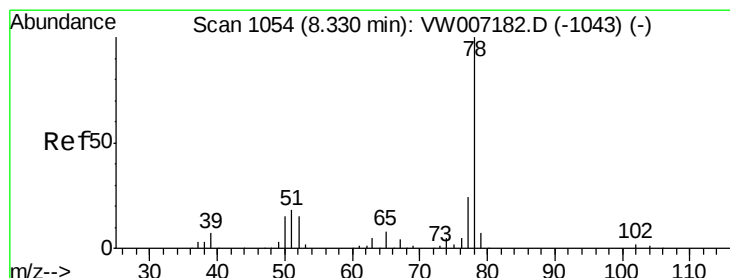
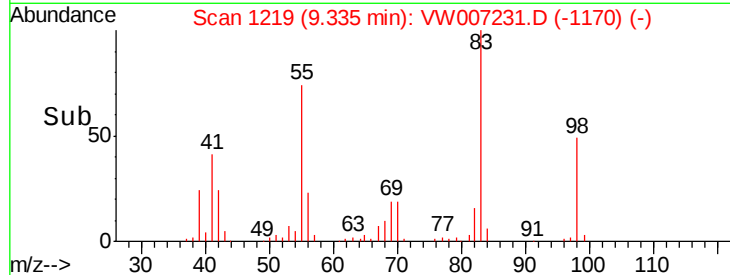
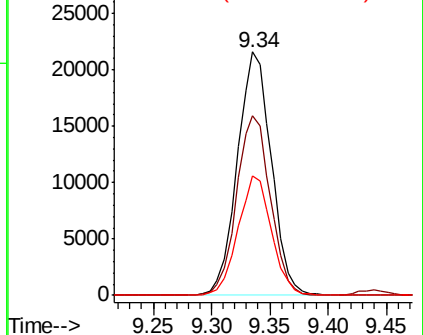
#39
Methvlcvclohexane
Concen: 21.031 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tot Ion: 83 Resp: 43912
Ion Ratio Lower Upper
83 100
55 73.6 58.1 87.1
98 49.2 37.3 55.9

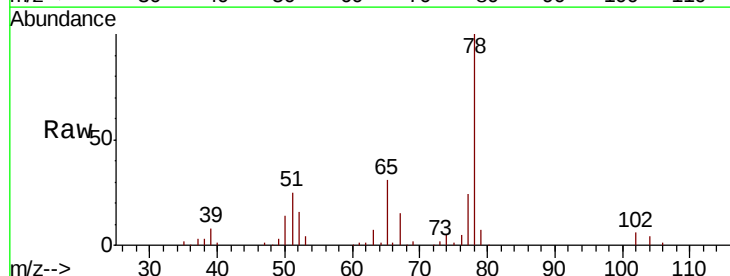


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

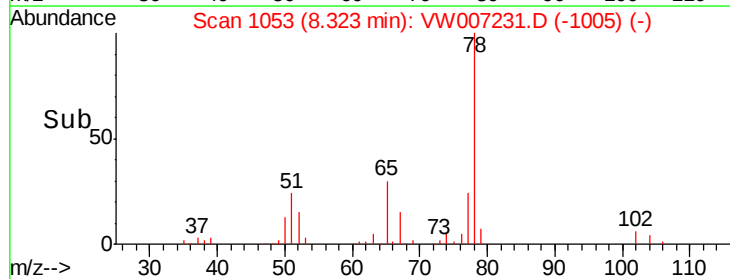
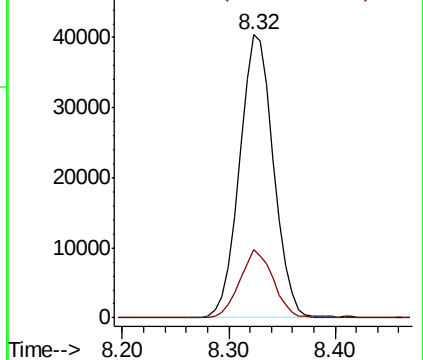


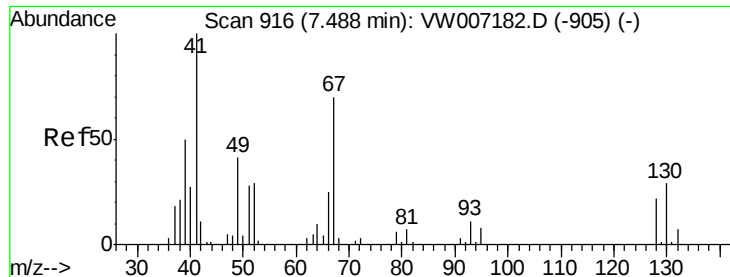
#40
Benzene
Concen: 21.201 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 78 Resp: 90677
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3



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

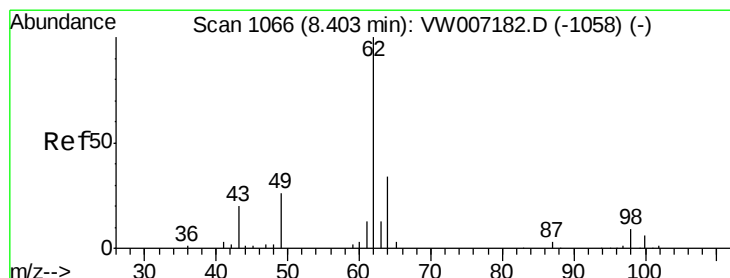
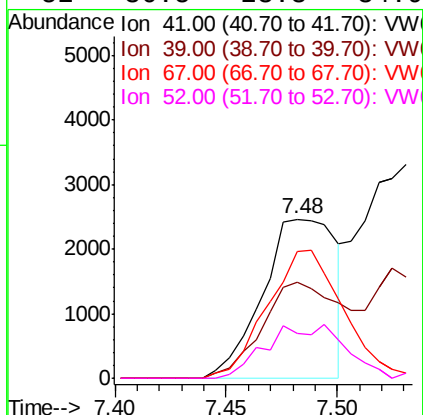
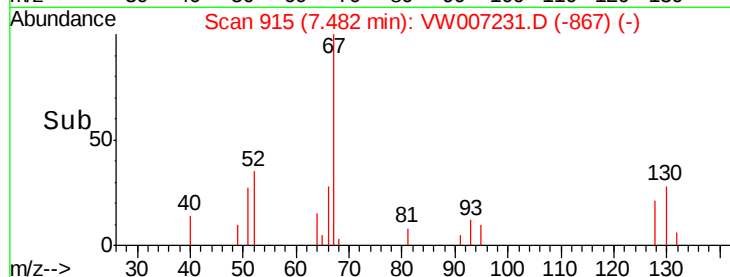
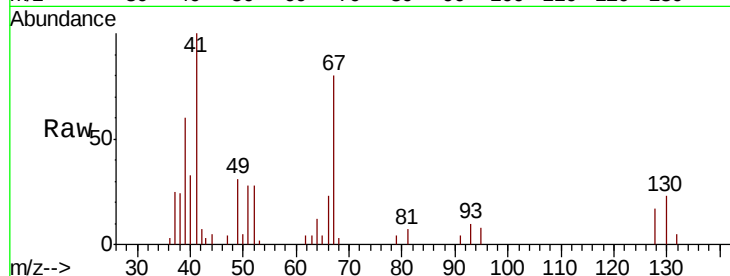




#41
Methacrylonitrile
Concen: 16.760 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

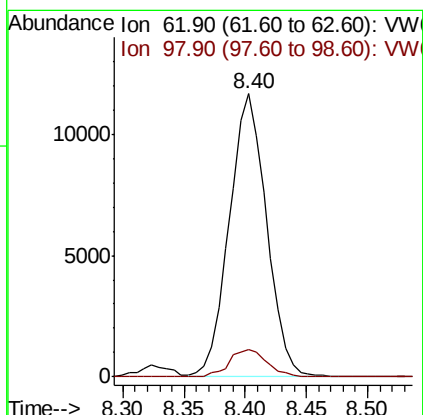
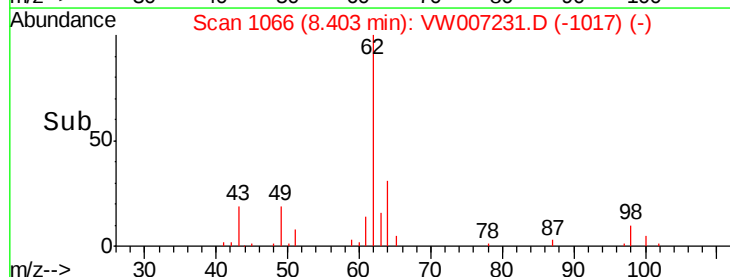
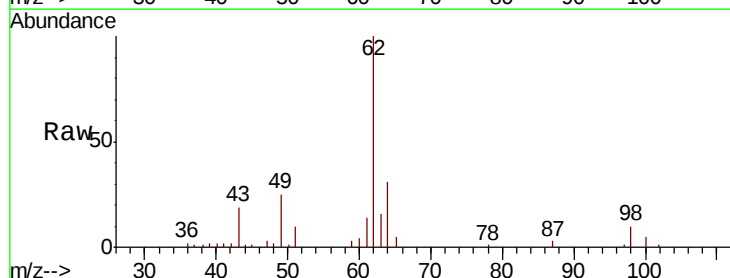
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

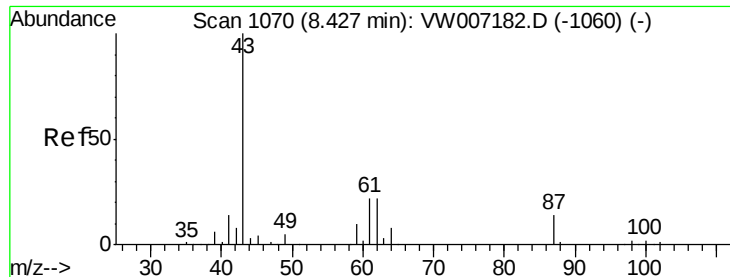
Tot Ion: 41 Resp: 5664
Ion Ratio Lower Upper
41 100
39 64.7 43.4 65.0
67 82.7 57.4 86.0
52 36.5 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 20.575 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 62 Resp: 24594
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 18.350 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

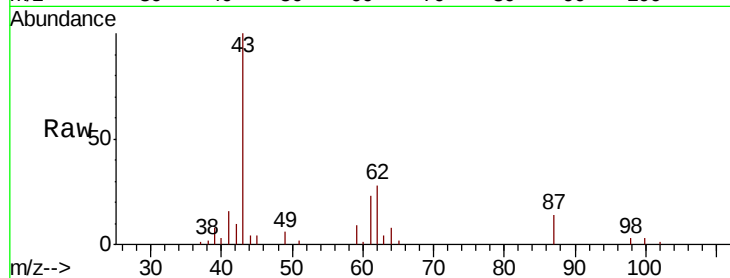
Tot Ion: 43 Resp: 20107

Ion Ratio Lower Upper

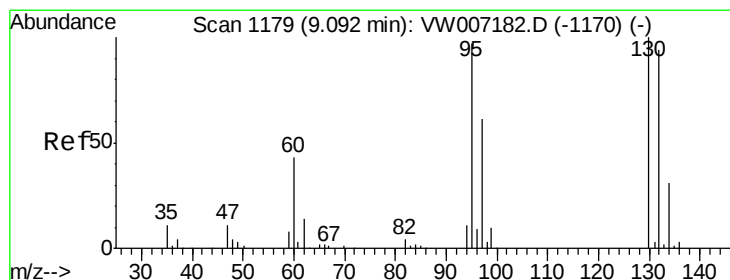
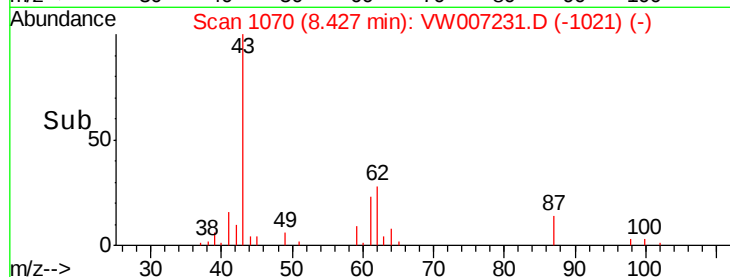
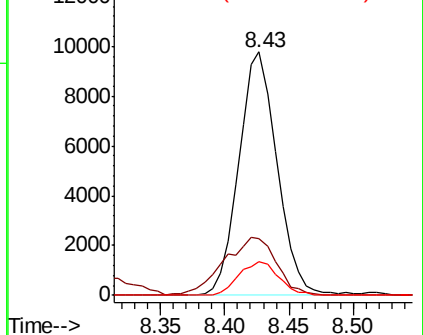
43 100

61 32.5 25.4 38.0

87 14.2 11.4 17.0



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: 21.361 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007231.D

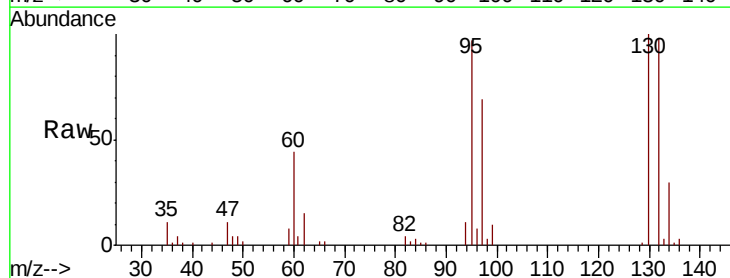
Acq: 05 Dec 2018 15:21

Tgt Ion: 130 Resp: 25681

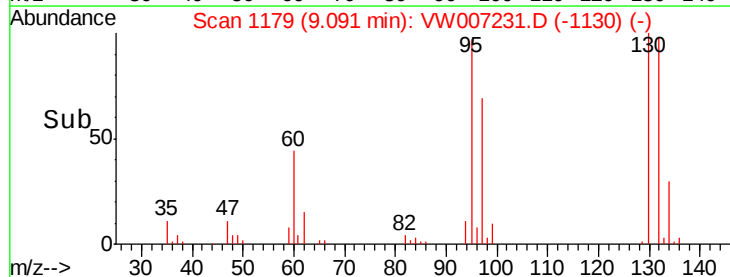
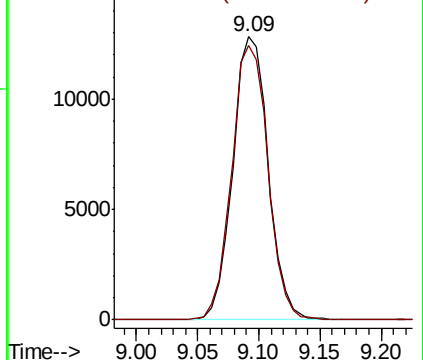
Ion Ratio Lower Upper

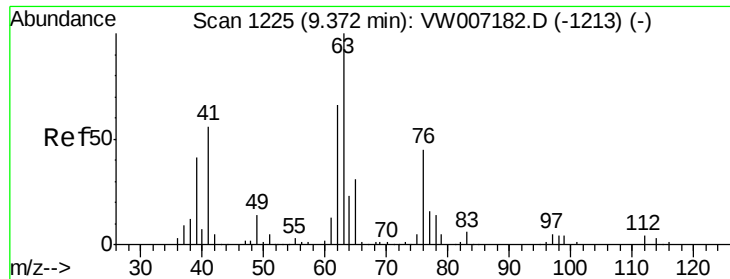
130 100

95 96.7 0.0 194.0



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





#45

1,2-Dichloropropane

Concen: 21.026 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

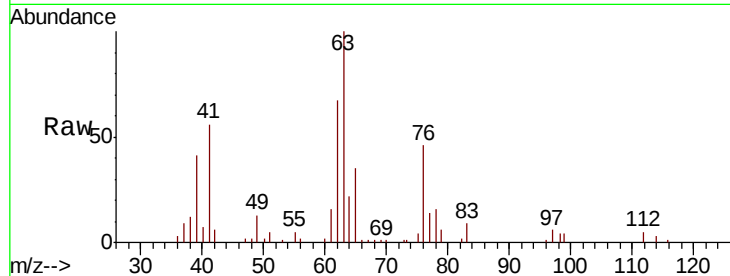
VW1205SBS01

Tot Ion: 63 Resp: 20927

Ion Ratio Lower Upper

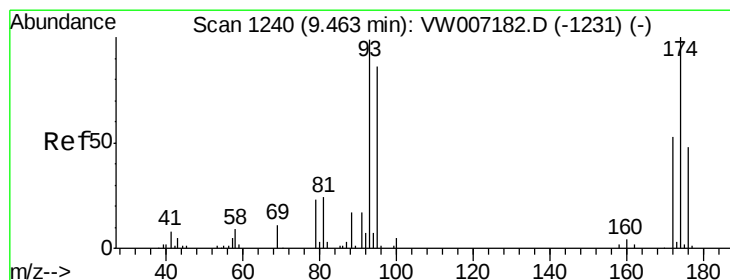
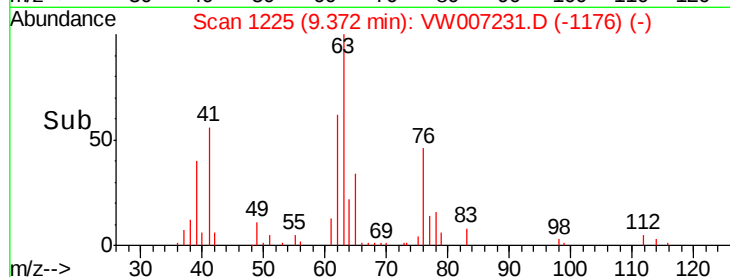
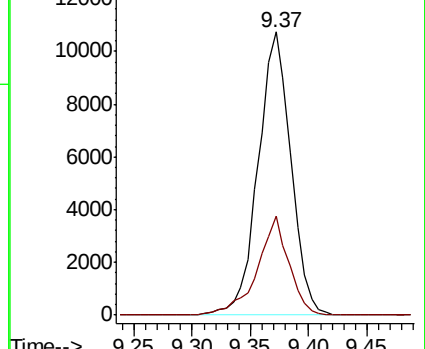
63 100

65 34.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.668 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

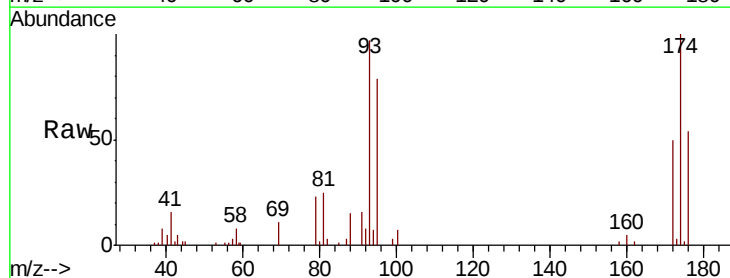
Tgt Ion: 93 Resp: 10689

Ion Ratio Lower Upper

93 100

95 84.0 68.7 103.1

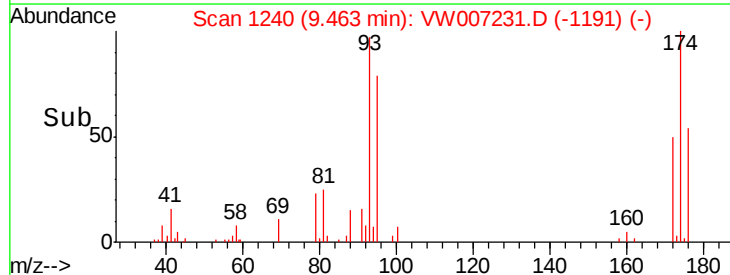
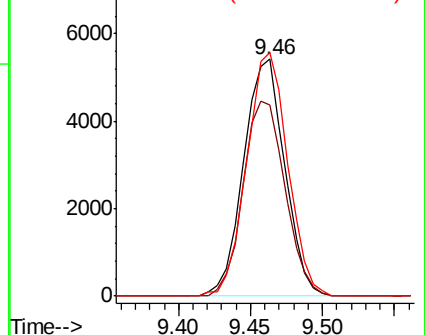
174 102.3 82.9 124.3

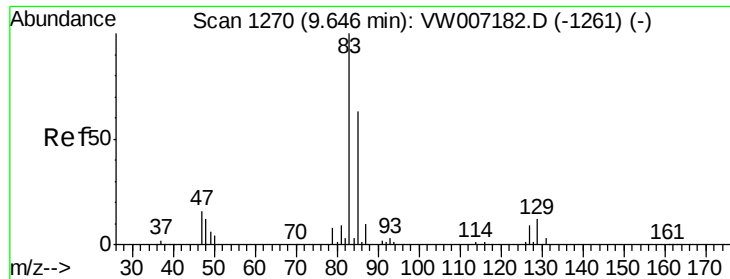


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.162 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

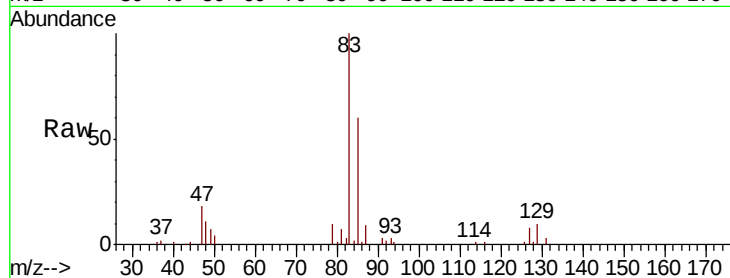
Tot Ion: 83 Resp: 28789

Ion Ratio Lower Upper

83 100

85 59.6 50.6 76.0

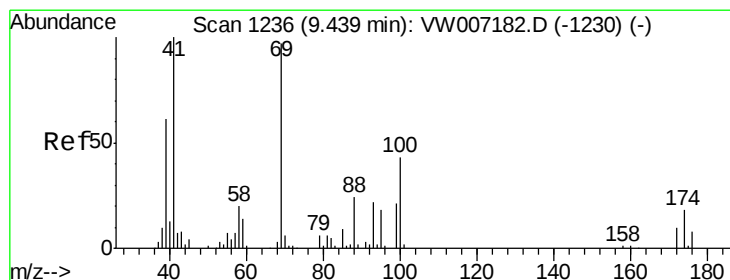
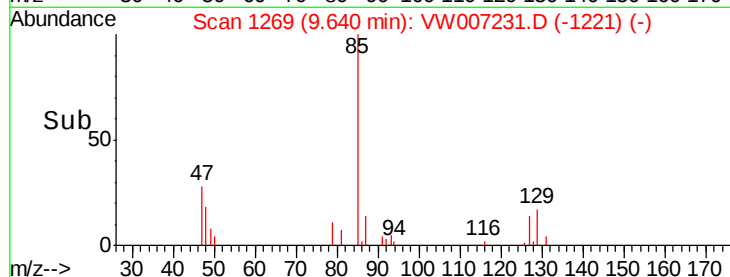
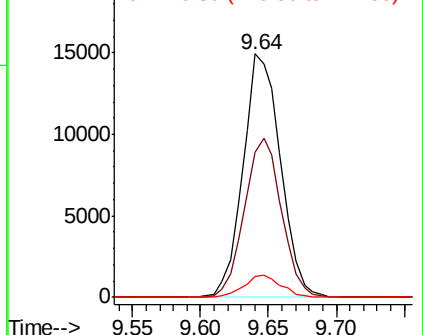
127 8.3 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.342 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

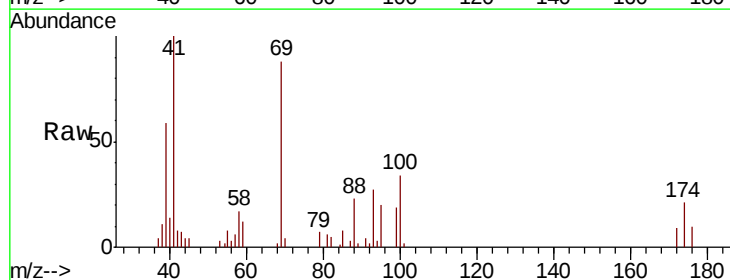
Tgt Ion: 41 Resp: 11000

Ion Ratio Lower Upper

41 100

69 83.0 69.6 104.4

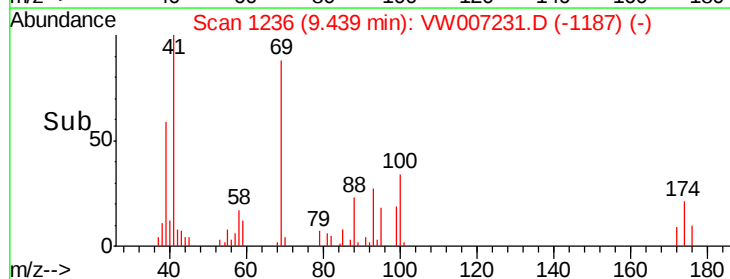
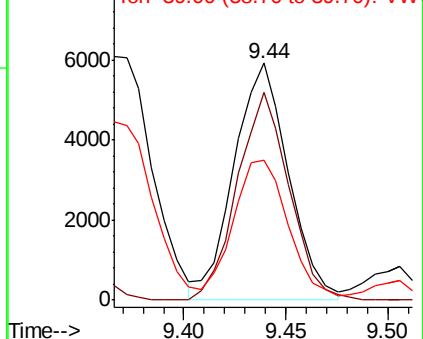
39 56.0 42.4 63.6

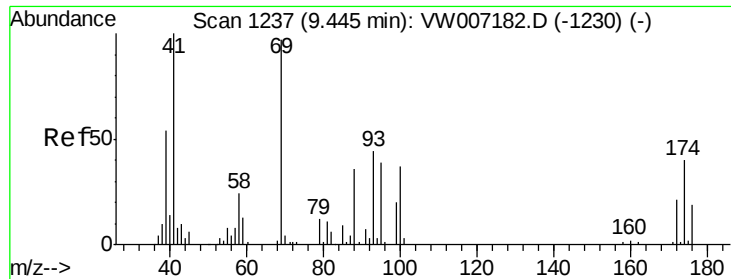


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

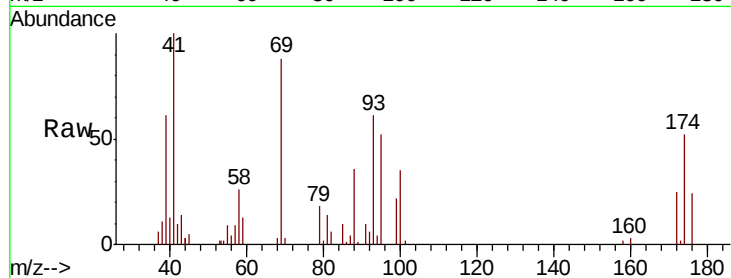




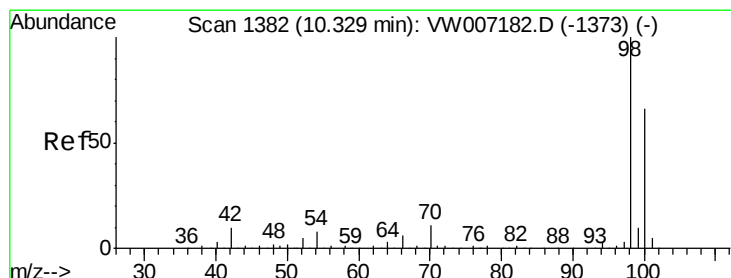
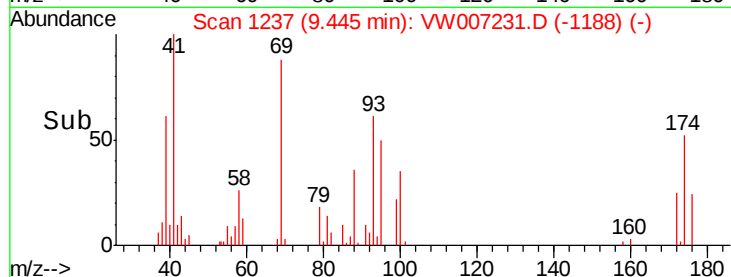
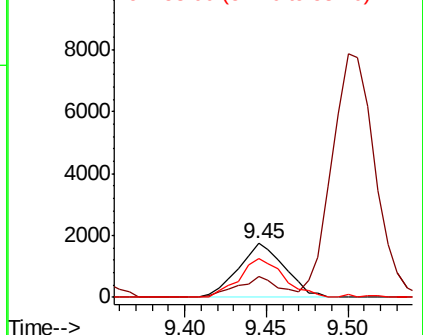
#49
 1,4-Dioxane
 Concen: 378.657 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Instrument :
 MSVOA_W
 ClientSampled :
 VW1205SBS01

Tot Ion: 88 Resp: 3421
 Ion Ratio Lower Upper
 88 100
 43 35.4 25.8 38.8
 58 68.3 58.9 88.3

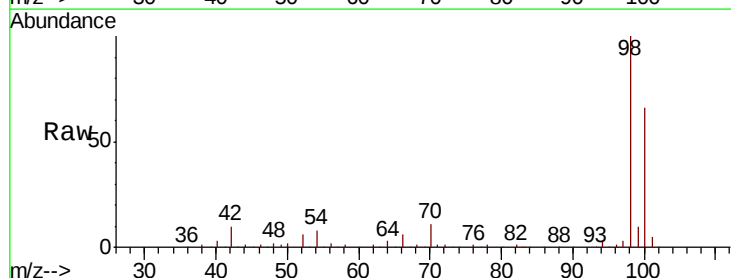


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

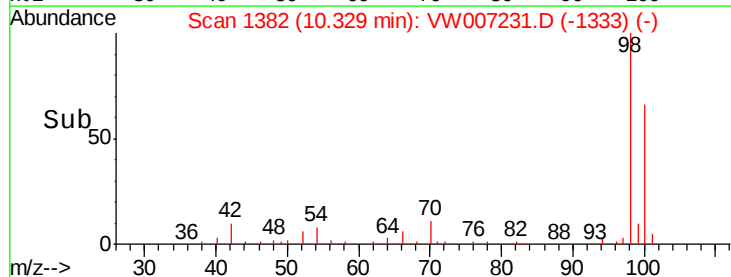
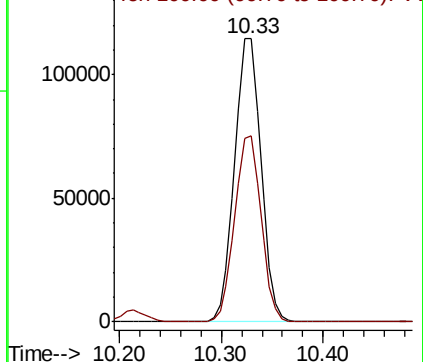


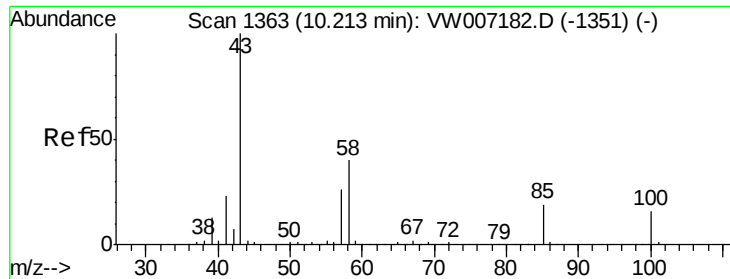
#50
 Toluene-d8
 Concen: 50.989 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion: 98 Resp: 206157
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.7 79.1



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: 91.317 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

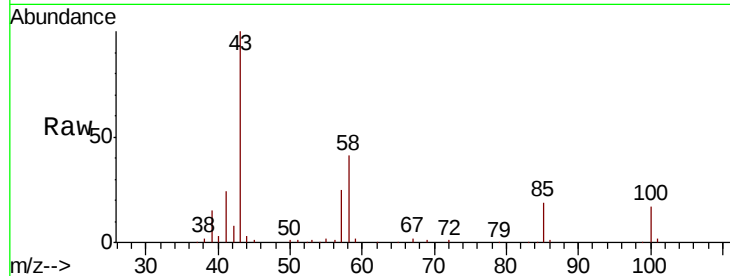
VW1205SBS01

Tot Ion: 43 Resp: 49311

Ion Ratio Lower Upper

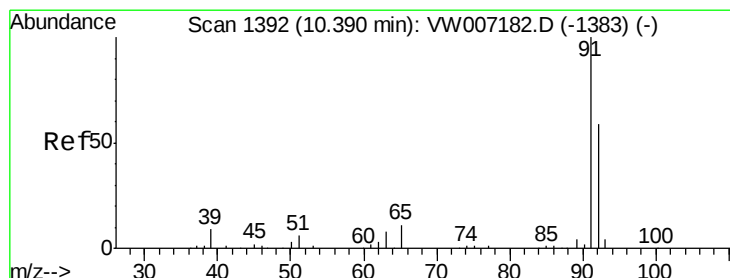
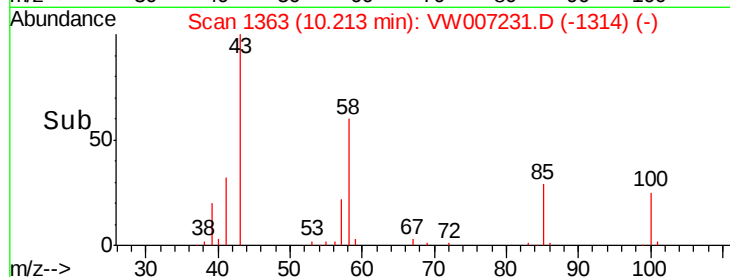
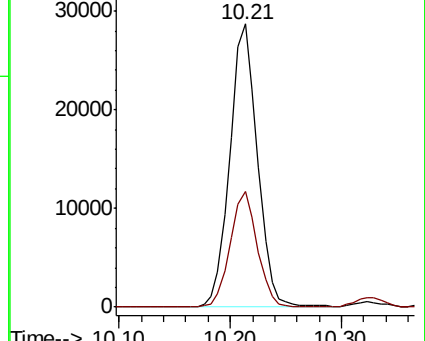
43 100

58 40.1 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.373 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007231.D

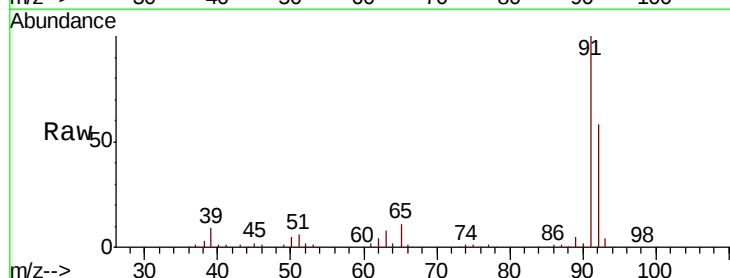
Acq: 05 Dec 2018 15:21

Tgt Ion: 92 Resp: 63587

Ion Ratio Lower Upper

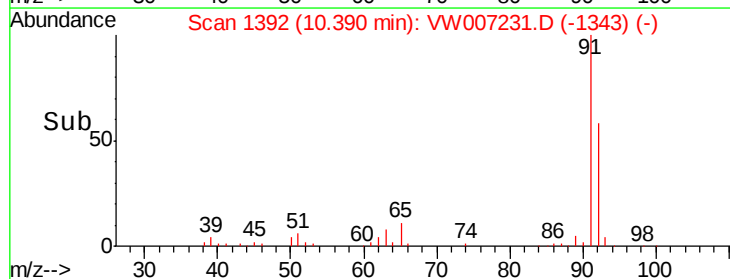
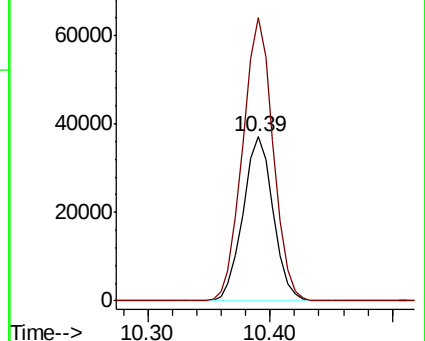
92 100

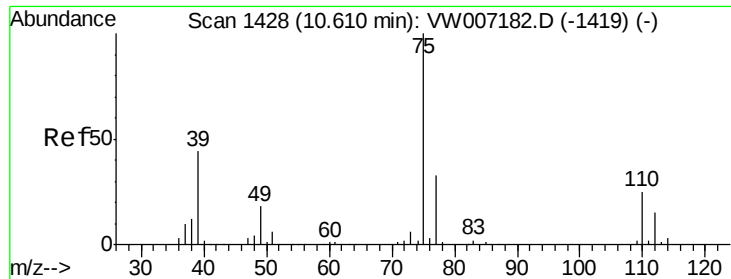
91 174.3 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

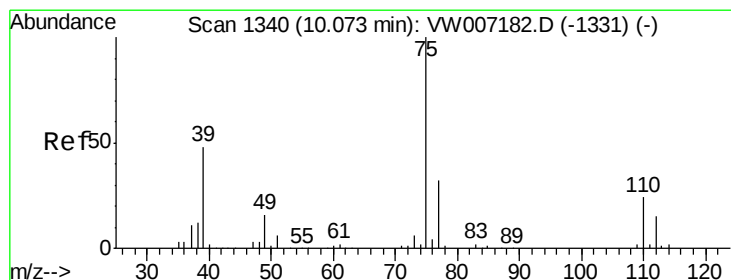
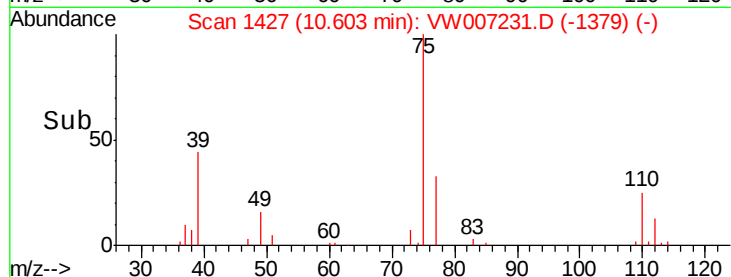
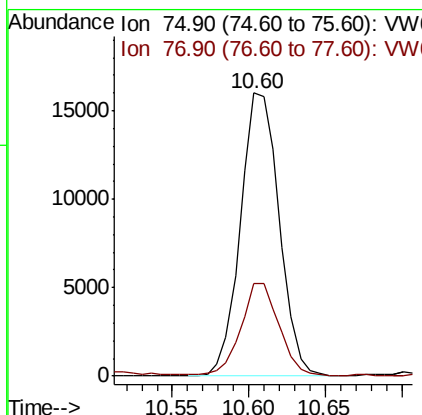
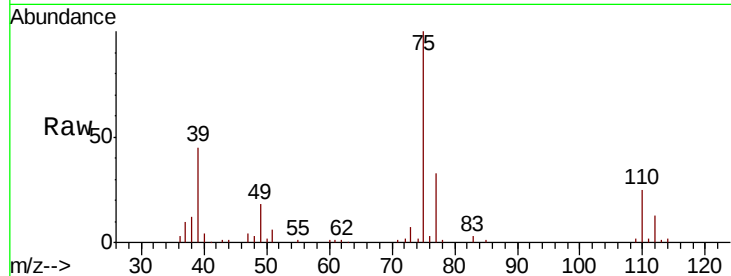




#53
t-1,3-Dichloropropene
Concen: 20.556 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

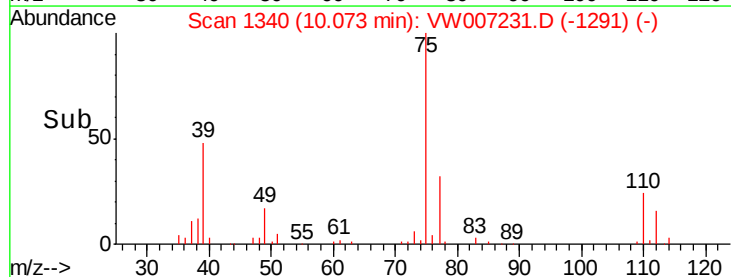
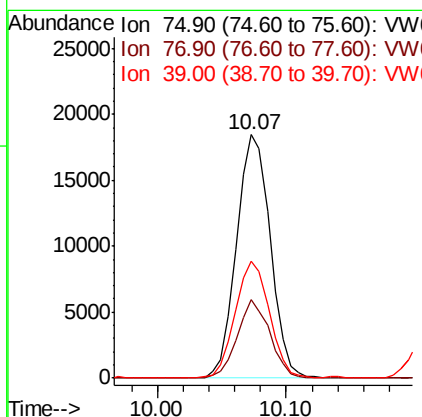
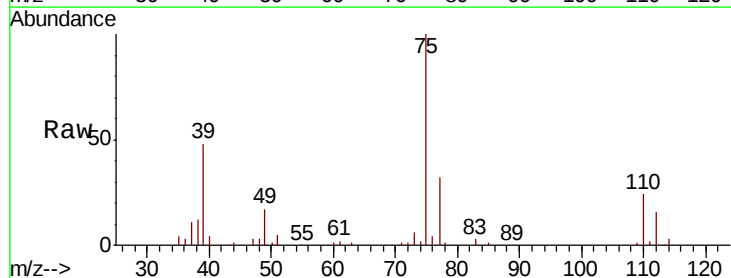
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

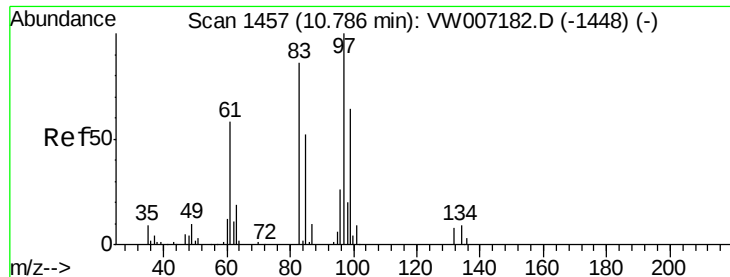
Tot Ion: 75 Resp: 28115
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 20.879 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 75 Resp: 33467
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
39 47.8 38.0 57.0



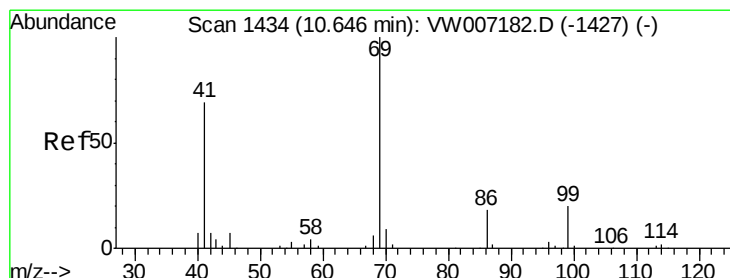
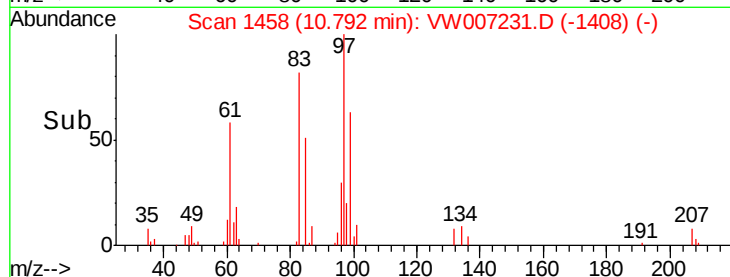
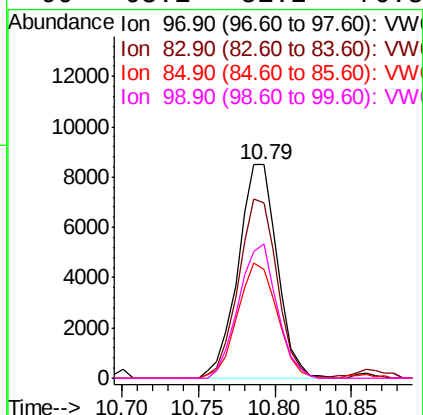
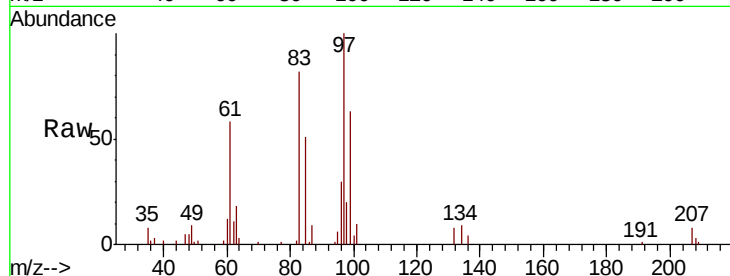


#55
 1,1,2-Trichloroethane
 Concen: 20.575 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tot Ion: 97 Resp: 15136

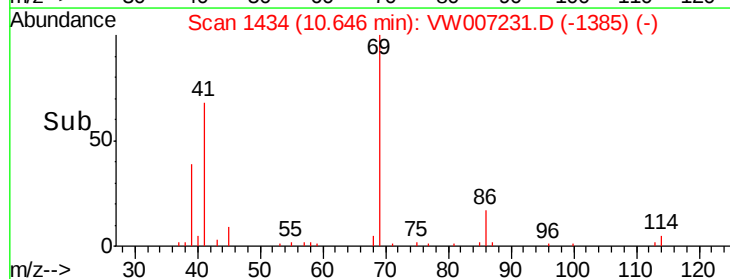
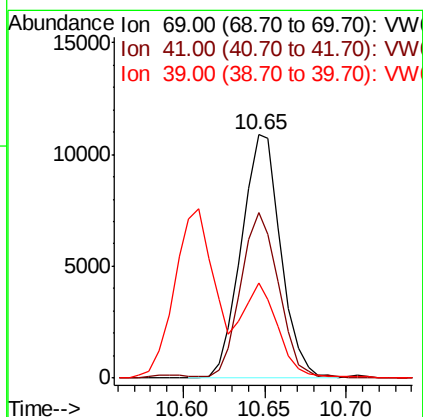
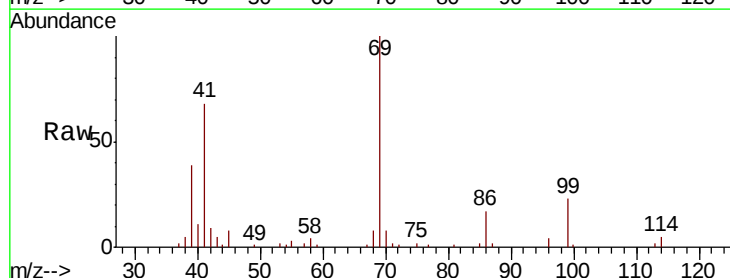
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.6	102.8
85	51.0	41.4	62.2
99	63.1	51.2	76.8

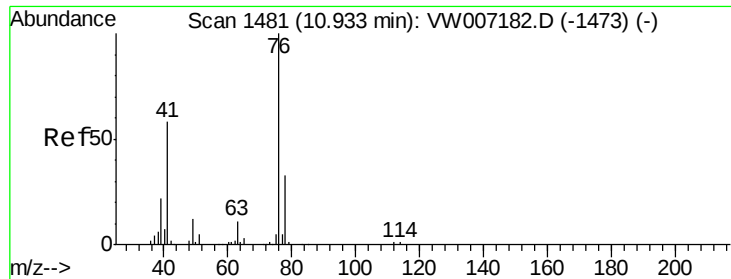


#56
 Ethyl methacrylate
 Concen: 19.076 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion: 69 Resp: 18305

Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.8	77.6
39	36.2	28.7	43.1

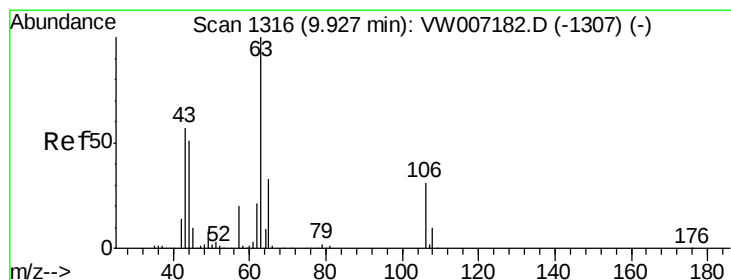
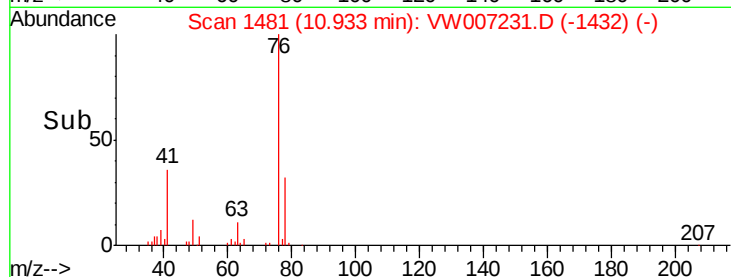
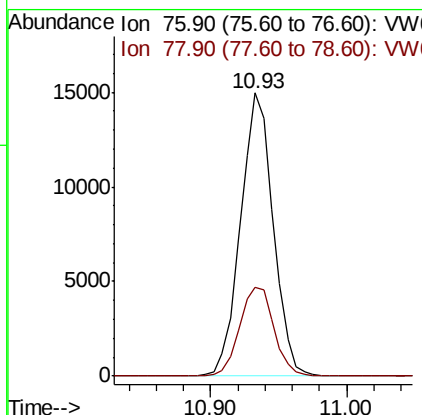
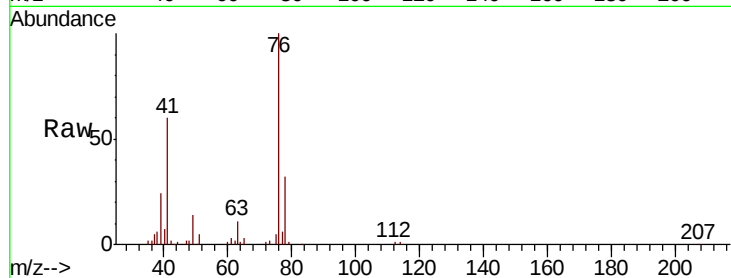




#57
 1,3-Dichloropropane
 Concen: 20.170 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

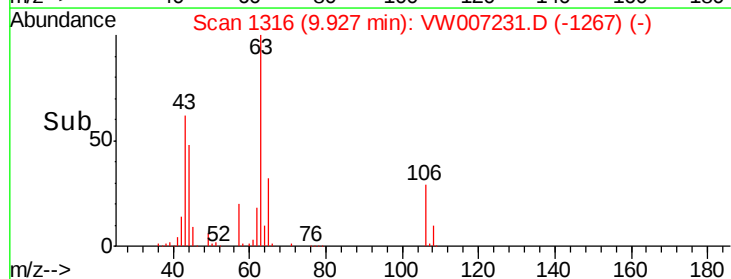
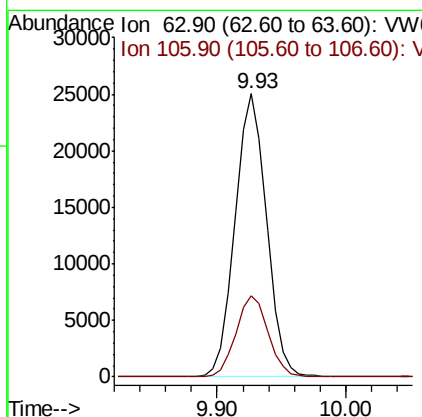
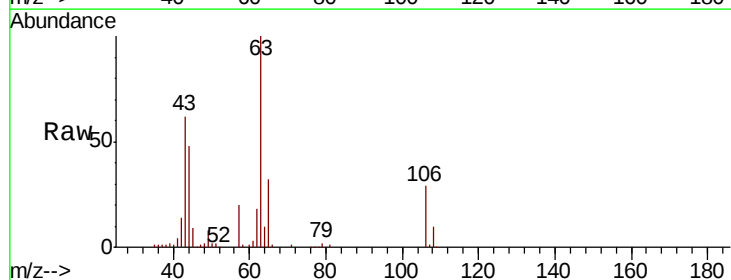
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

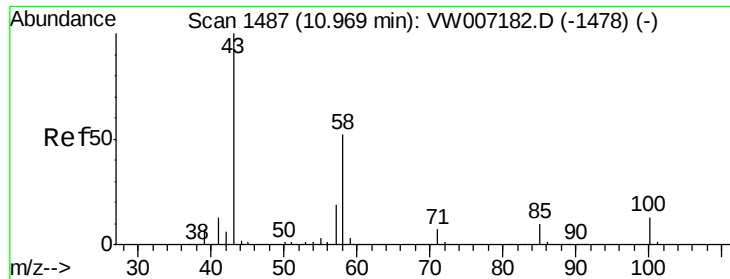
Tot Ion: 76 Resp: 25051
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.049 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion: 63 Resp: 42417
 Ion Ratio Lower Upper
 63 100
 106 29.1 24.1 36.1





#59

2-Hexanone

Concen: 91.740 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

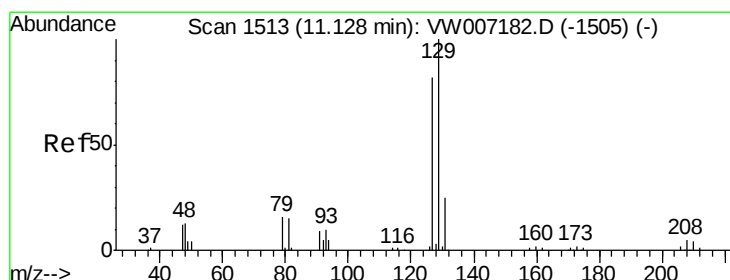
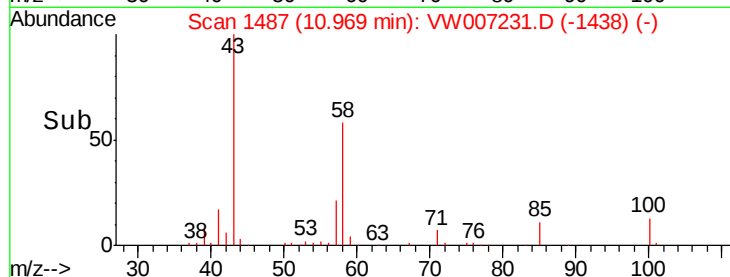
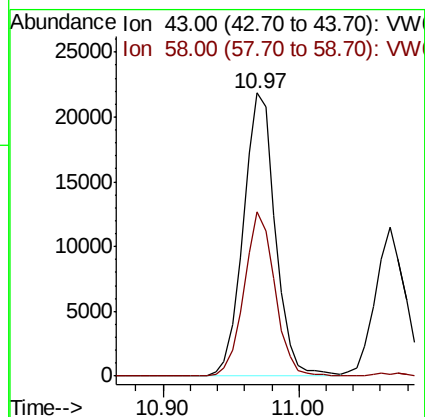
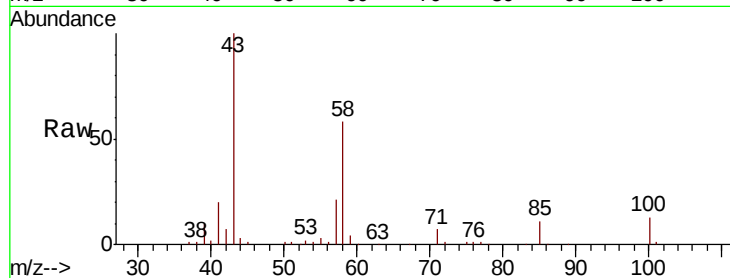
VW1205SBS01

Tot Ion: 43 Resp: 35912

Ion Ratio Lower Upper

43 100

58 55.5 28.1 84.4



#60

Dibromochloromethane

Concen: 20.487 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007231.D

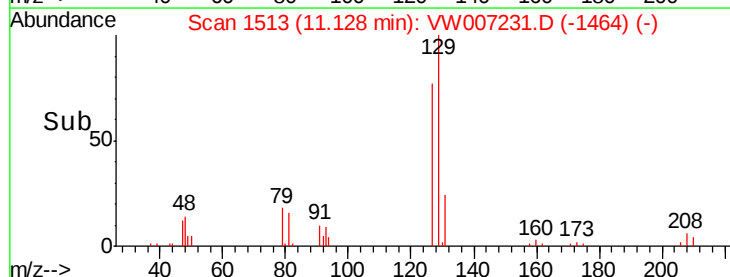
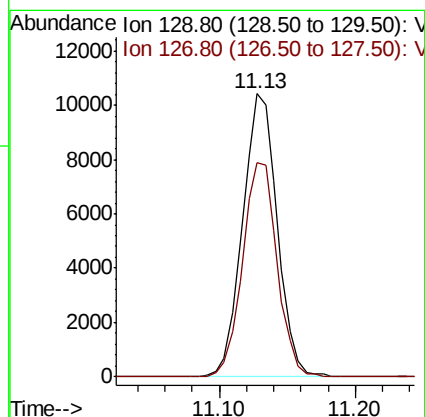
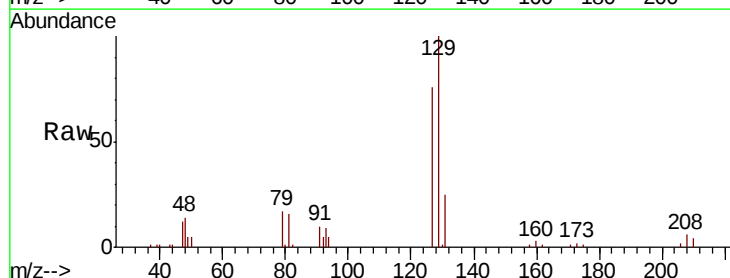
Acq: 05 Dec 2018 15:21

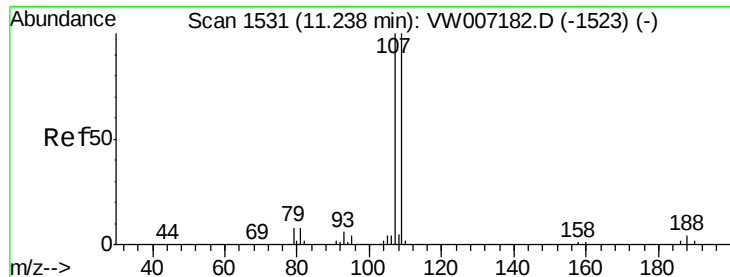
Tgt Ion: 129 Resp: 18523

Ion Ratio Lower Upper

129 100

127 75.4 39.8 119.4





#61

1,2-Dibromoethane

Concen: 20.144 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

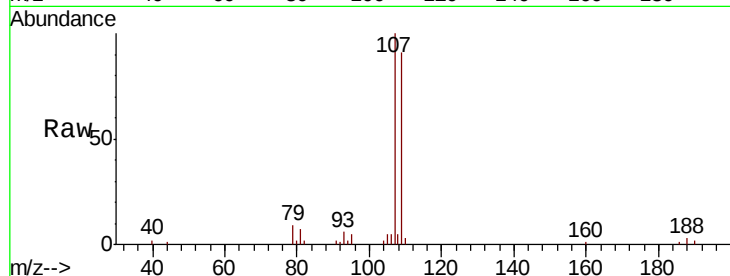
VW1205SBS01

Tot Ion:107 Resp: 14213

Ion Ratio Lower Upper

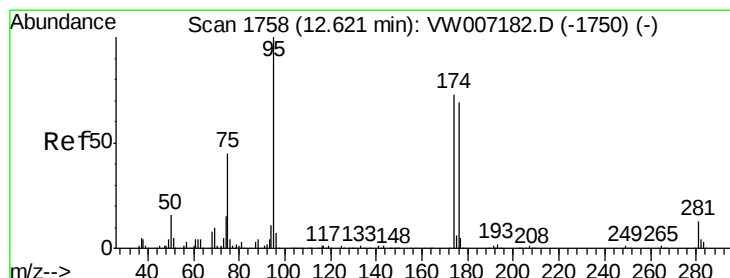
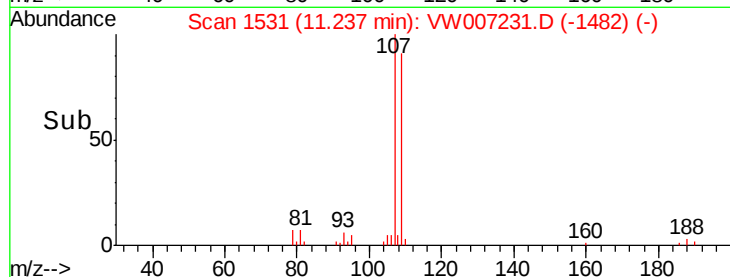
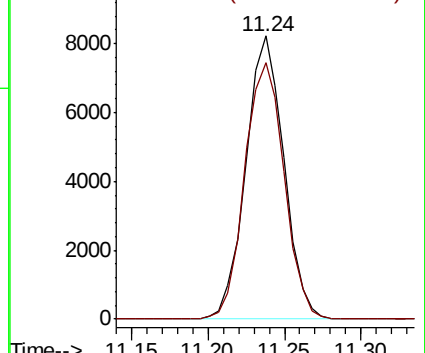
107 100

109 93.9 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.188 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

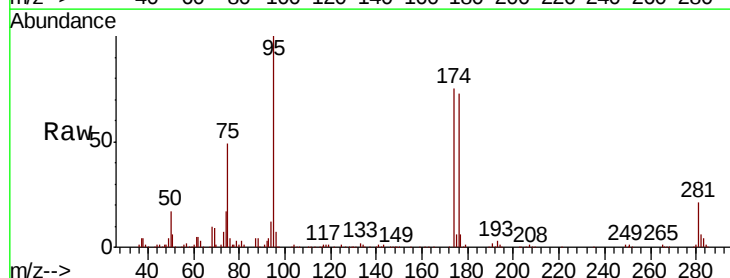
Tgt Ion: 95 Resp: 78116

Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.0

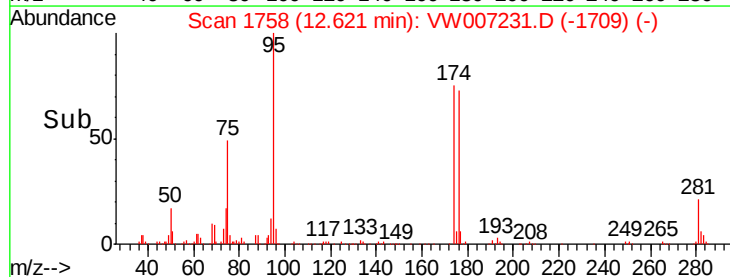
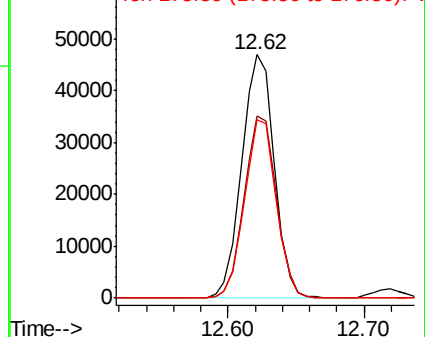
176 71.8 0.0 139.4

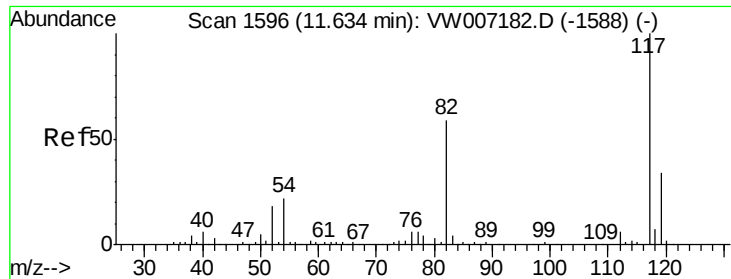


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

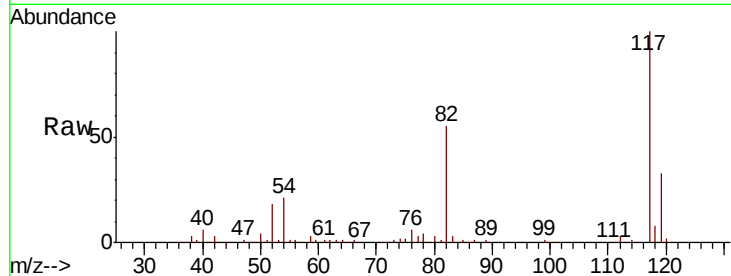




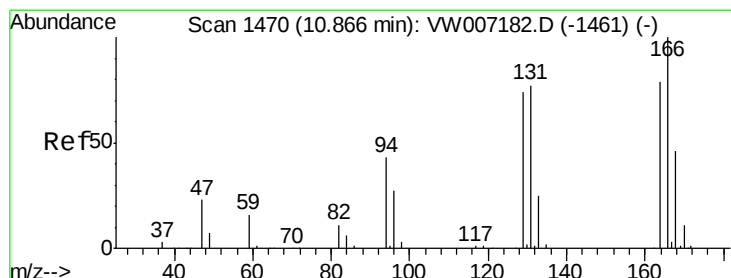
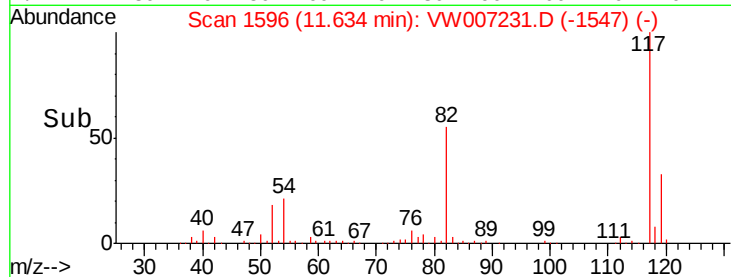
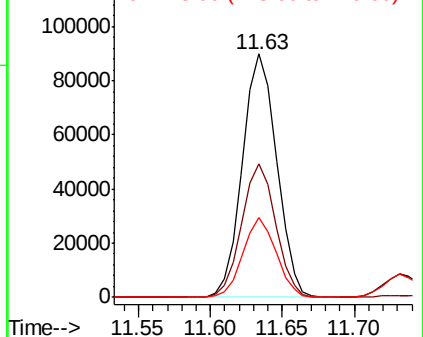
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tot Ion:117 Resp: 148866
Ion Ratio Lower Upper
117 100
82 54.6 47.4 71.2
119 32.6 26.8 40.2

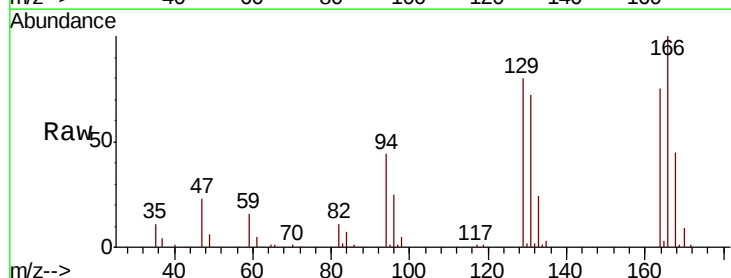


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

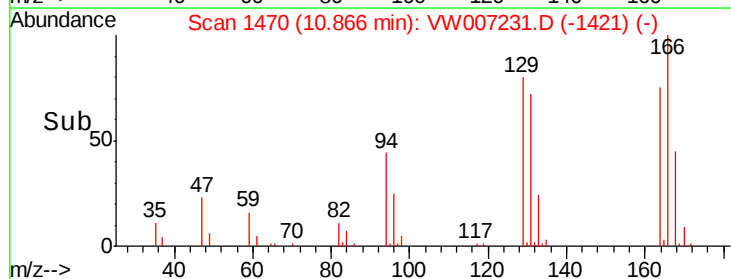
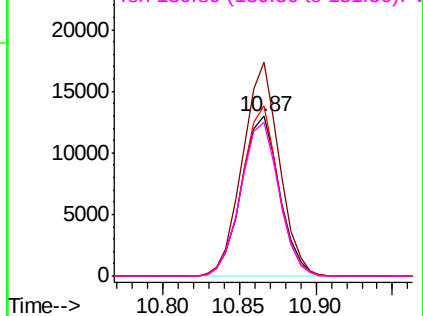


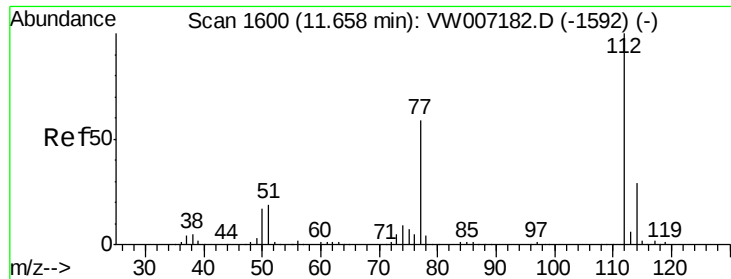
#64
Tetrachloroethene
Concen: 20.669 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion:164 Resp: 22480
Ion Ratio Lower Upper
164 100
166 133.9 101.0 151.4
129 107.0 74.6 111.8
131 96.6 77.6 116.4



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

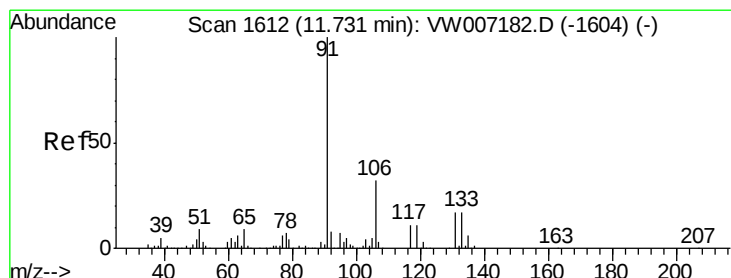
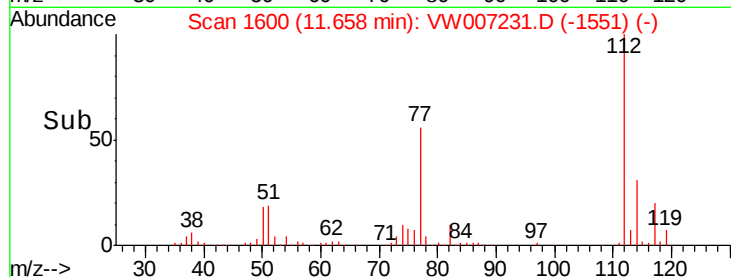
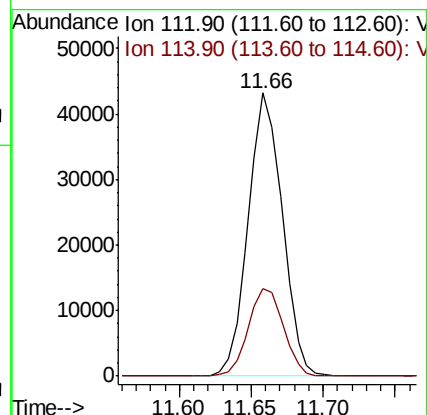
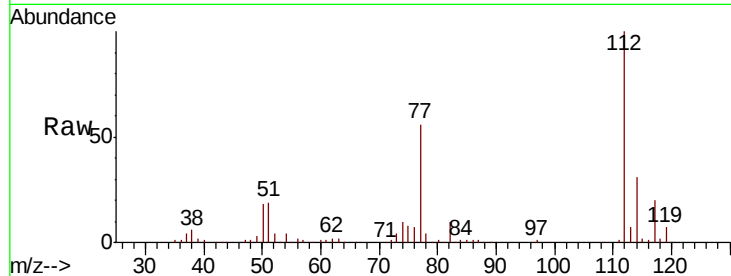




#65
Chlorobenzene
Concen: 21.316 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

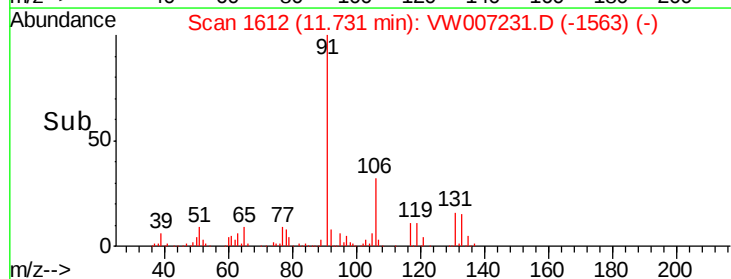
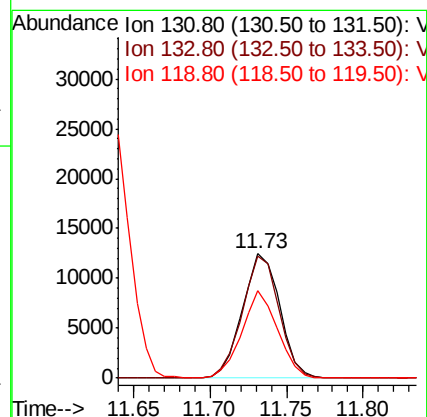
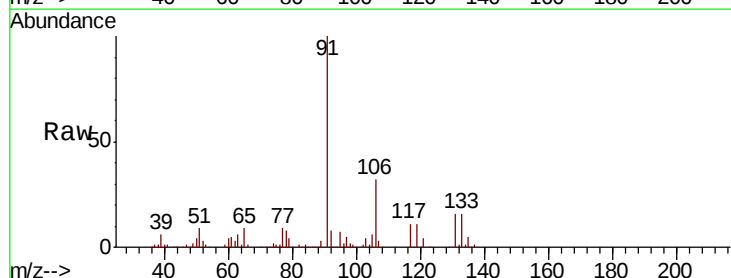
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

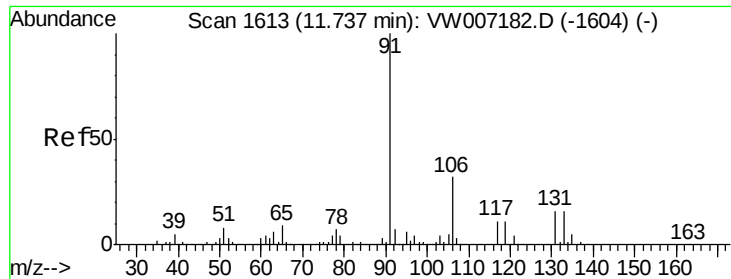
Tot Ion:112 Resp: 70871
Ion Ratio Lower Upper
112 100
114 31.1 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.602 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion:131 Resp: 21154
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.2
119 67.5 32.8 98.4

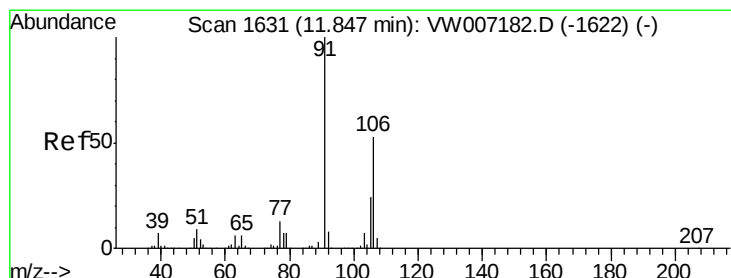
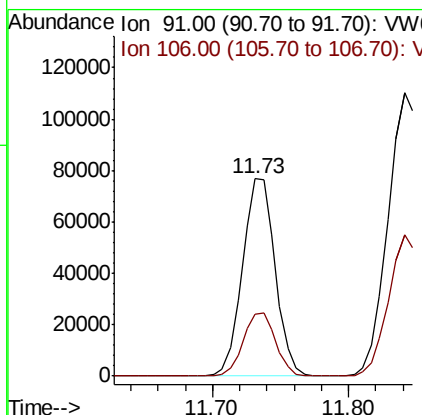
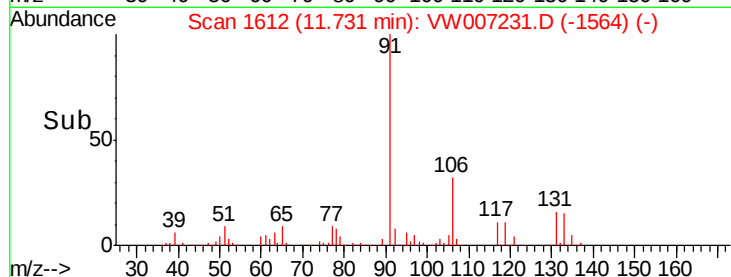
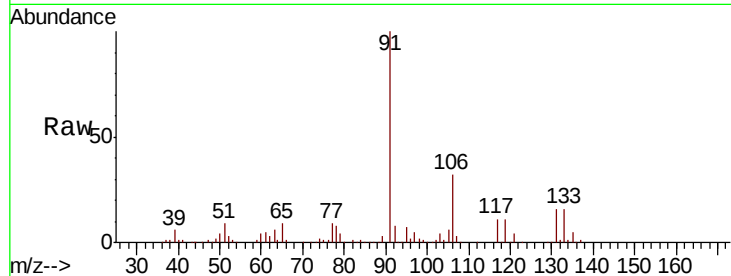




#67
Ethyl Benzene
Concen: 21.314 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

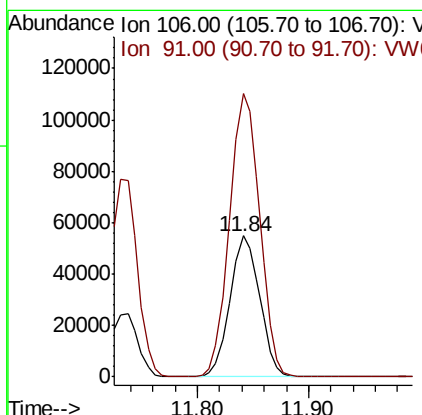
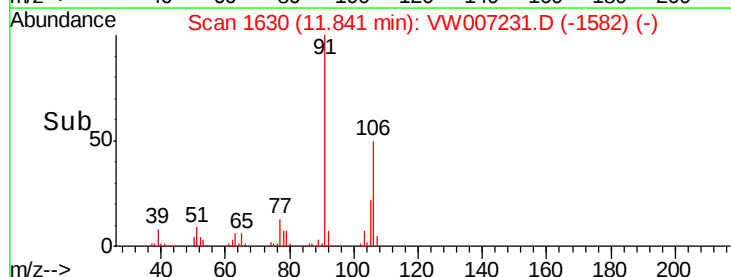
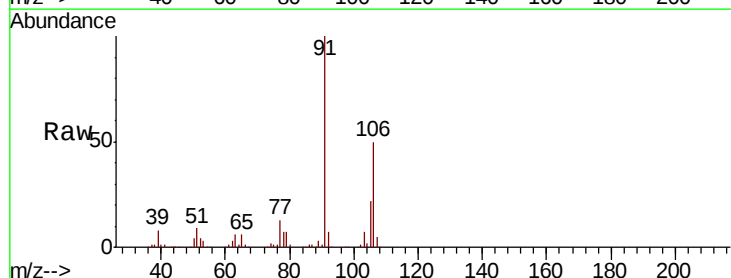
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

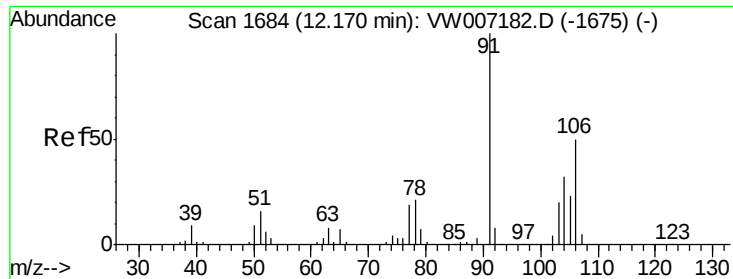
Tot Ion: 91 Resp: 129153
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0



#68
m/p-Xylenes
Concen: 42.686 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion: 106 Resp: 101474
Ion Ratio Lower Upper
106 100
91 204.4 160.2 240.4

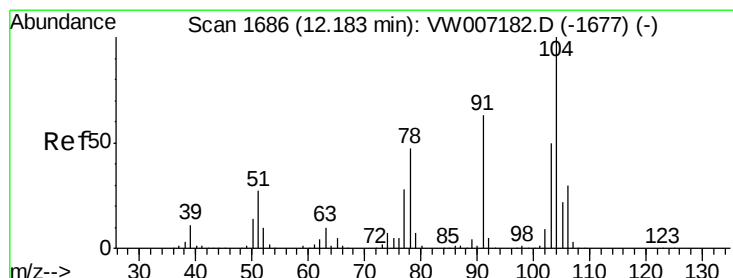
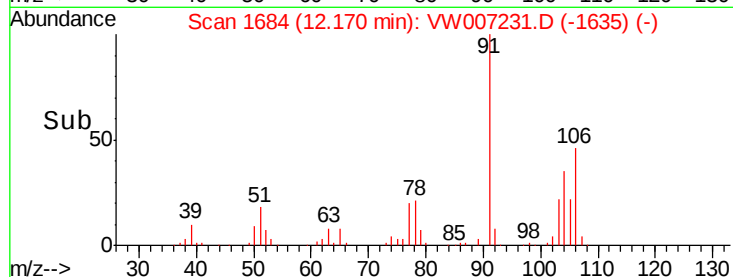
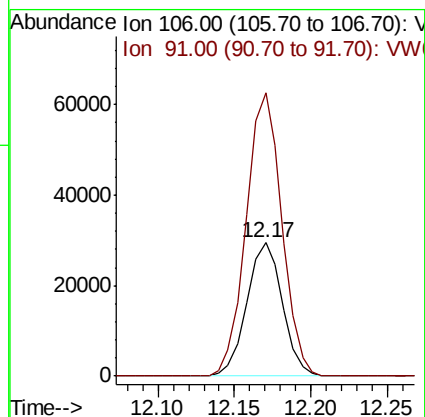
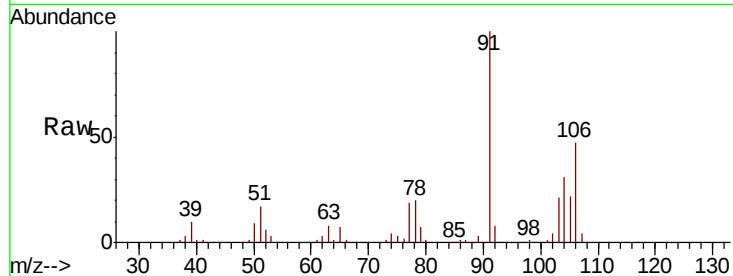




#69
o-Xylene
Concen: 21.462 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

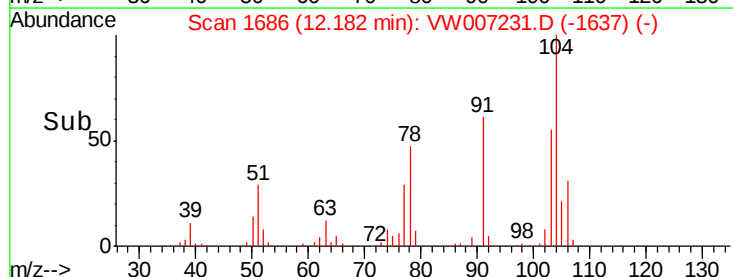
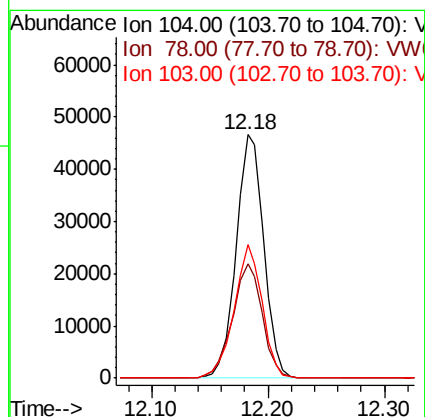
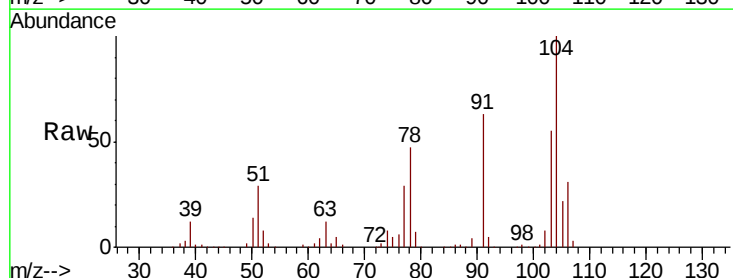
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

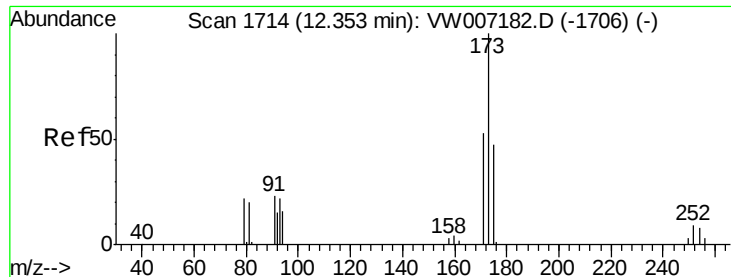
Tot Ion:106 Resp: 47668
Ion Ratio Lower Upper
106 100
91 212.8 104.9 314.7



#70
Styrene
Concen: 21.176 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion:104 Resp: 76992
Ion Ratio Lower Upper
104 100
78 50.7 40.6 60.8
103 55.6 43.0 64.4





#71

Bromoform

Concen: 19.367 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

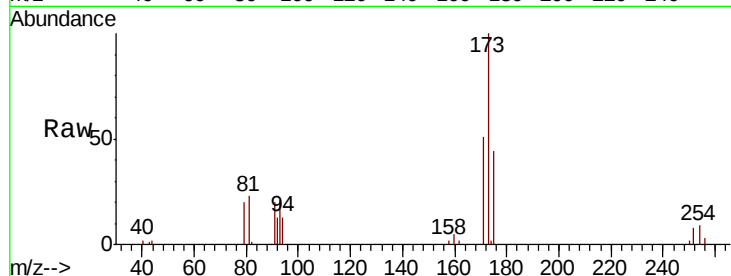
Tot Ion:173 Resp: 9955

Ion Ratio Lower Upper

173 100

175 46.9 24.0 72.0

254 0.0 0.0 0.0

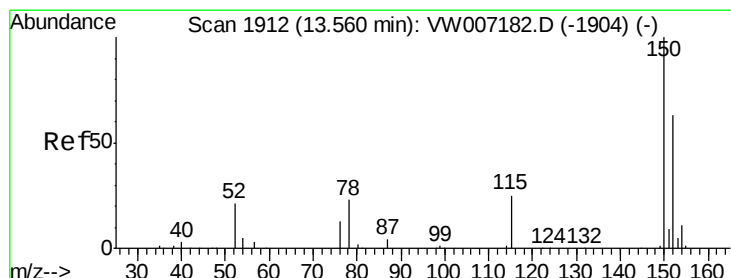
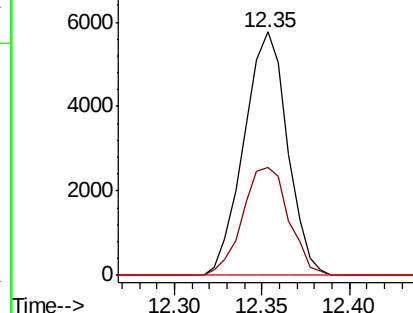
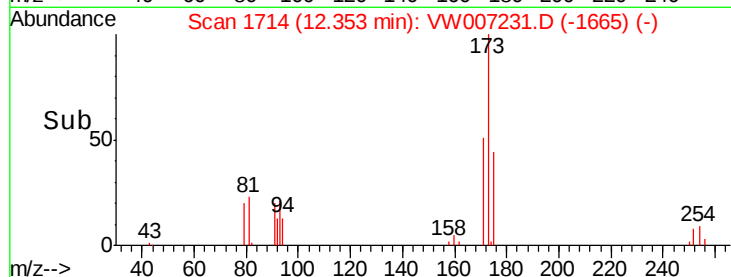


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

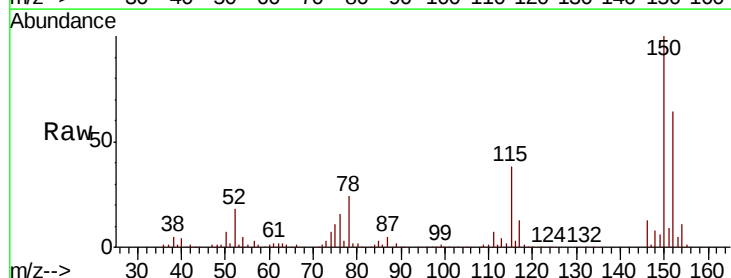
Tgt Ion:152 Resp: 75672

Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.8

150 163.2 0.0 358.0

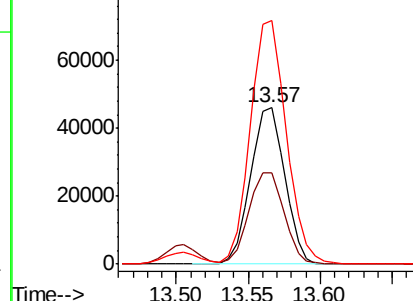
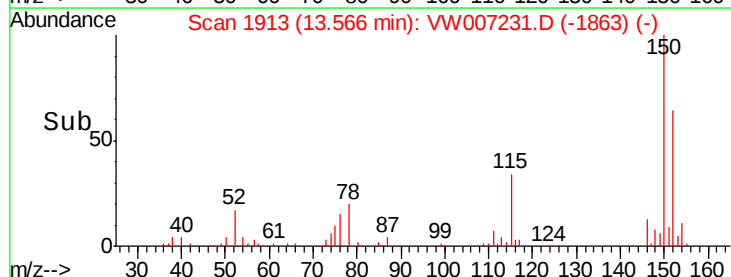


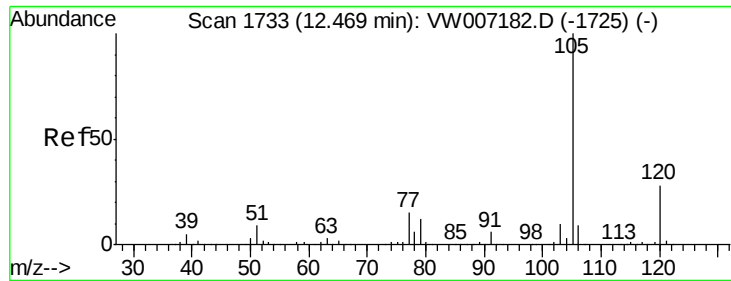
Abundance

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: 21.407 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

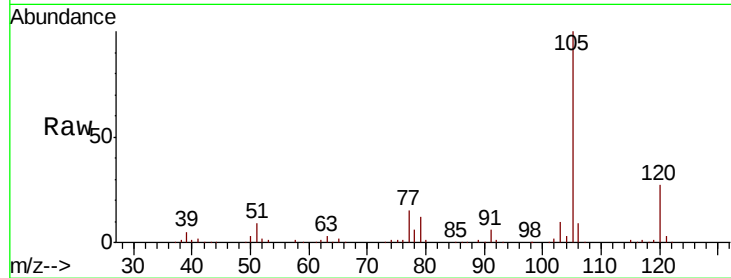
VW1205SBS01

Tot Ion:105 Resp: 131752

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

80000

60000

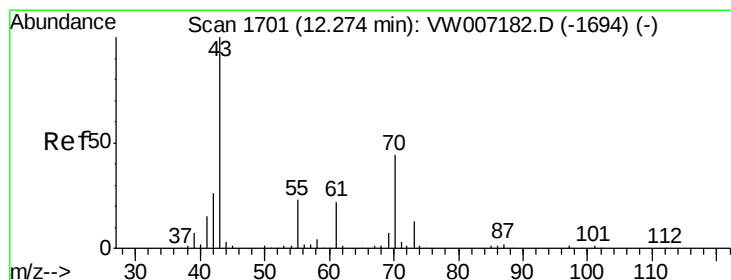
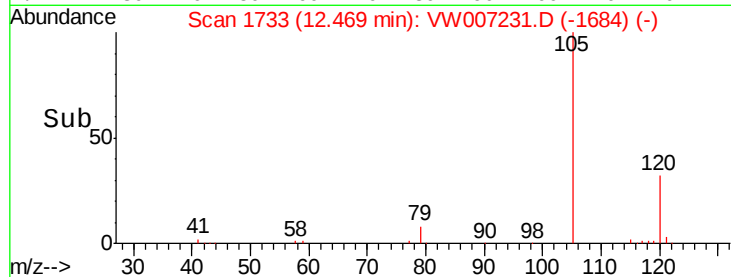
40000

20000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 18.715 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Tgt Ion: 43 Resp: 20422

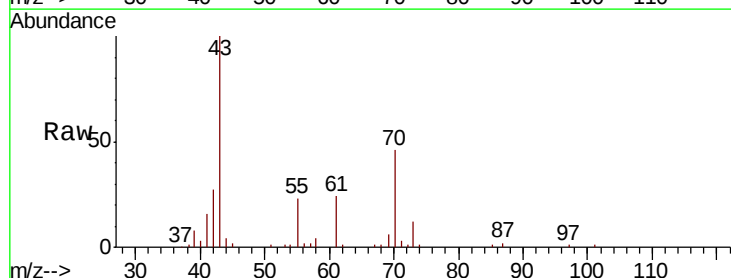
Ion Ratio Lower Upper

43 100

70 44.4 34.0 51.0

55 24.9 19.0 28.6

61 24.4 19.7 29.5



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

20000

15000

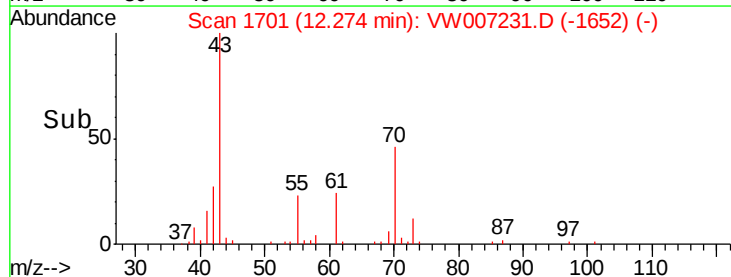
10000

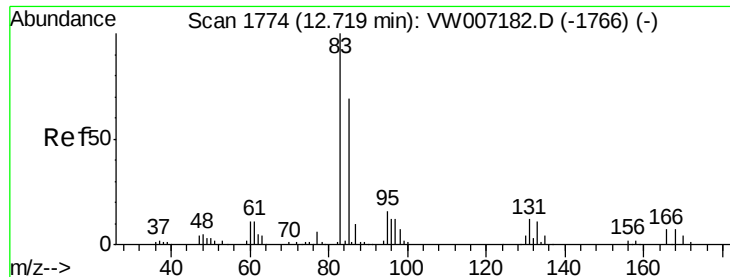
5000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.847 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

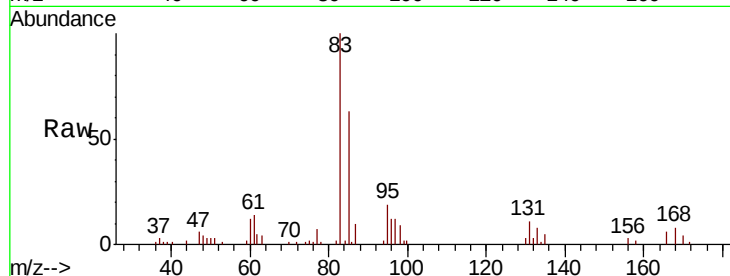
Tot Ion: 83 Resp: 15864

Ion Ratio Lower Upper

83 100

131 12.9 6.0 18.1

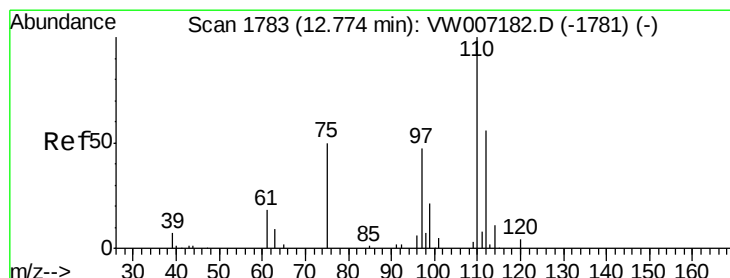
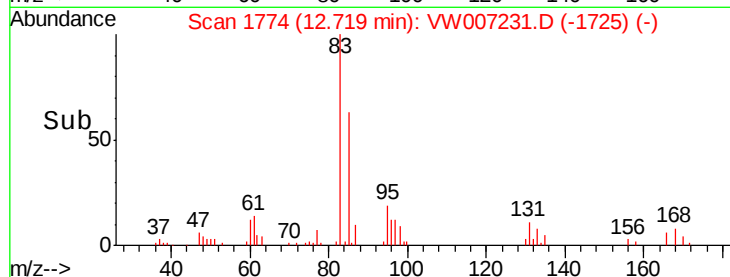
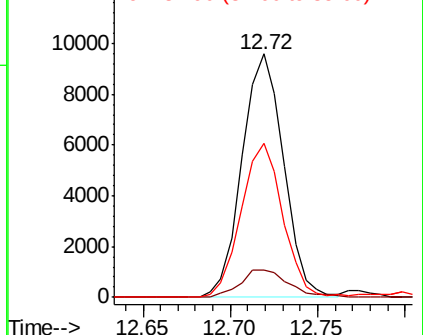
85 62.9 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.076 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007231.D

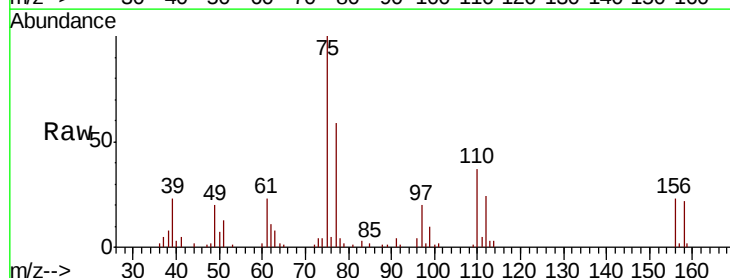
Acq: 05 Dec 2018 15:21

Tgt Ion: 75 Resp: 22896

Ion Ratio Lower Upper

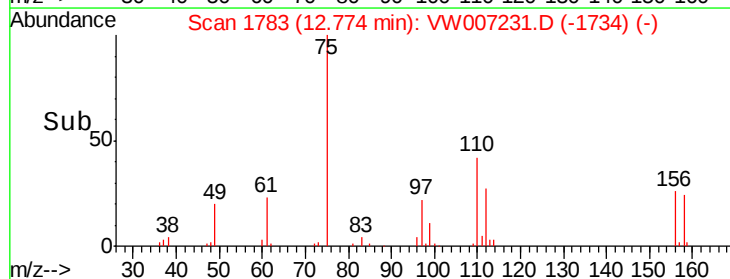
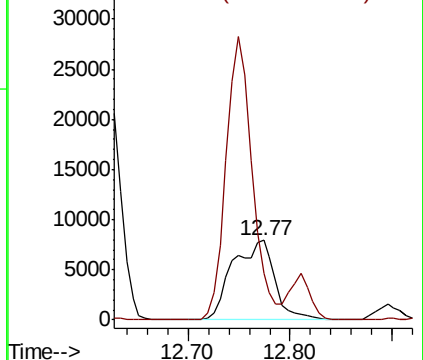
75 100

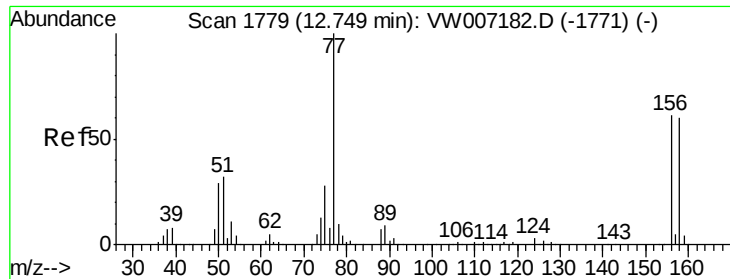
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.729 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

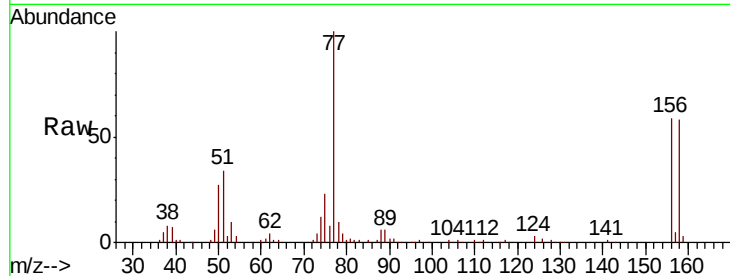
Tot Ion:156 Resp: 27539

Ion Ratio Lower Upper

156 100

77 184.0 92.0 276.1

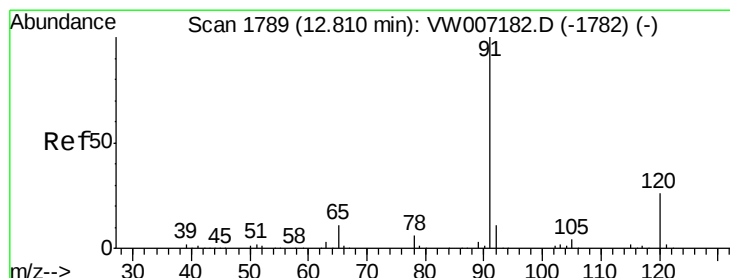
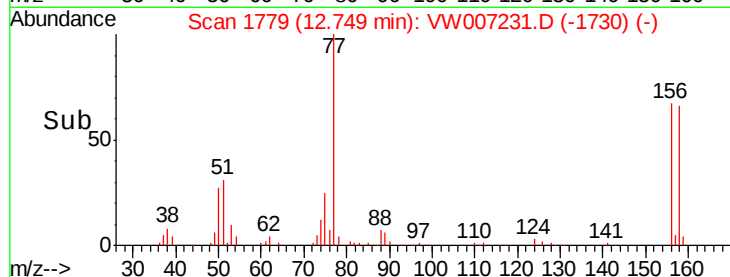
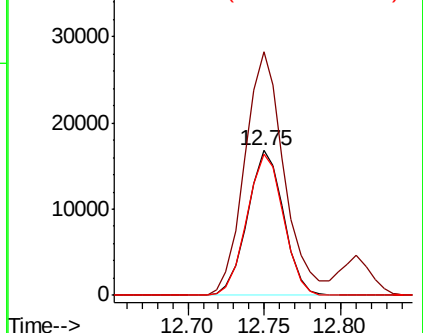
158 98.5 49.0 147.0



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: 21.501 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007231.D

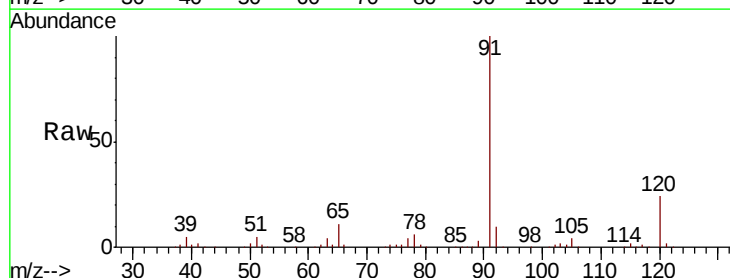
Acq: 05 Dec 2018 15:21

Tgt Ion: 91 Resp: 157657

Ion Ratio Lower Upper

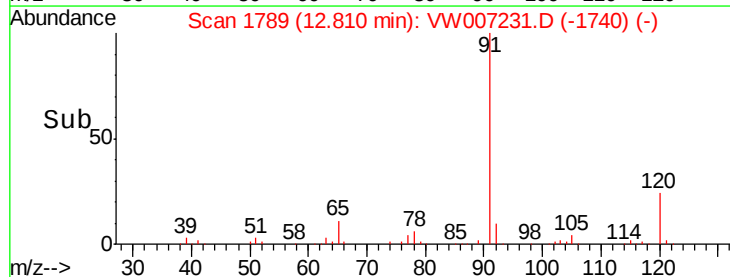
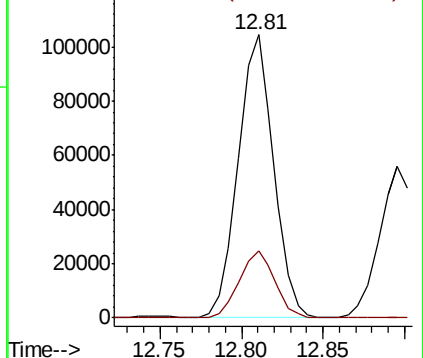
91 100

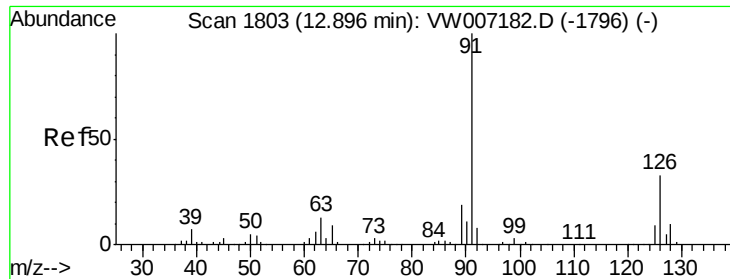
120 23.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

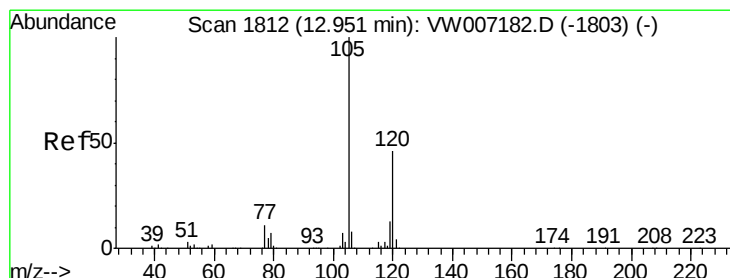
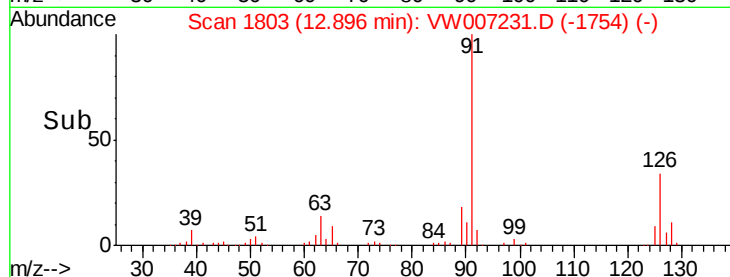
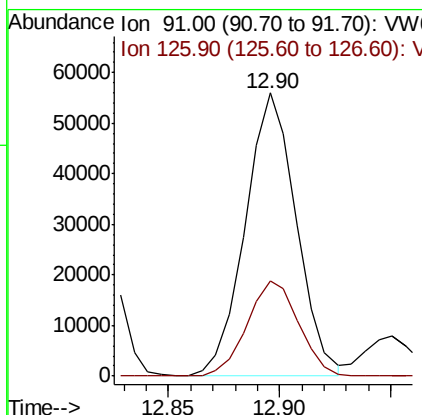
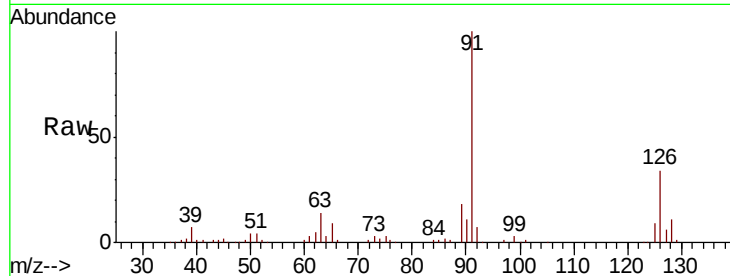




#79
 2-Chlorotoluene
 Concen: 21.480 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

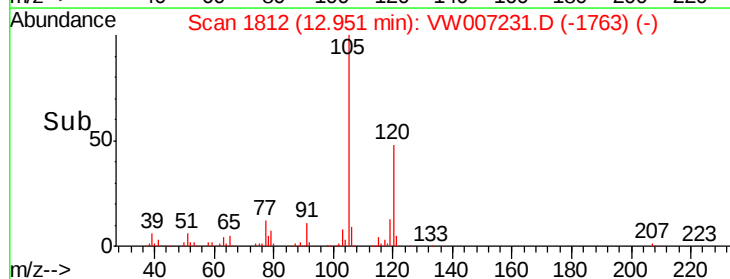
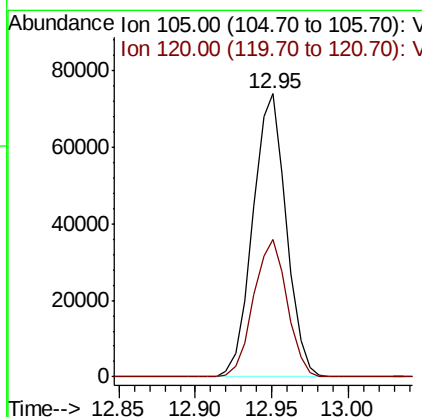
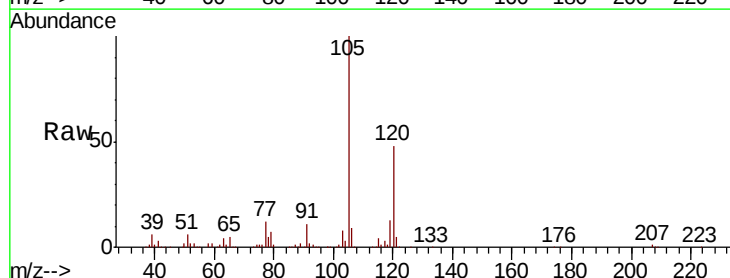
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

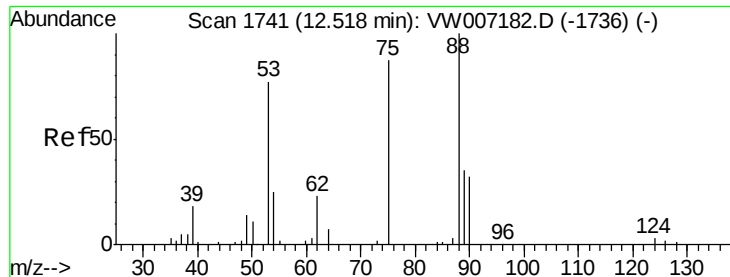
Tot Ion: 91 Resp: 88941
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.295 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion:105 Resp: 112122
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.639 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

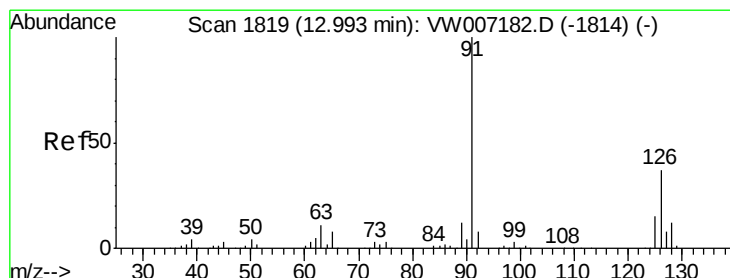
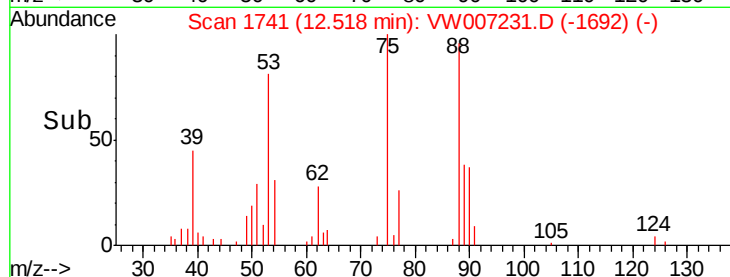
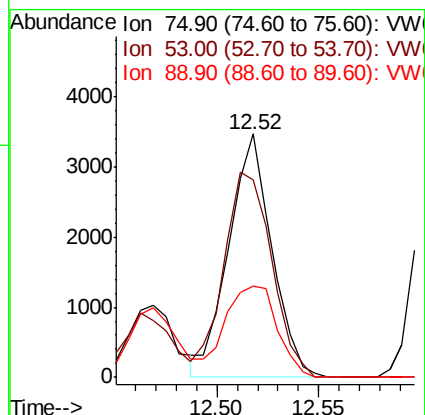
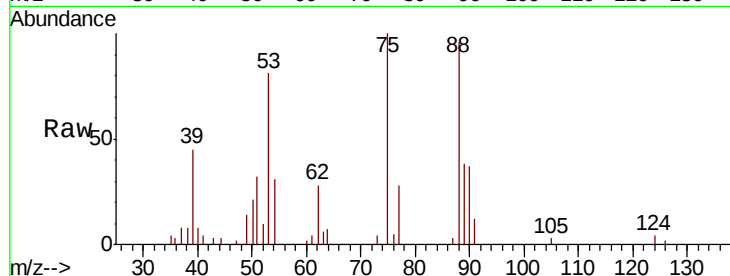
Tot Ion: 75 Resp: 5067

Ion Ratio Lower Upper

75 100

53 94.6 72.8 109.2

89 44.7 36.4 54.6



#82

4-Chlorotoluene

Concen: 21.553 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007231.D

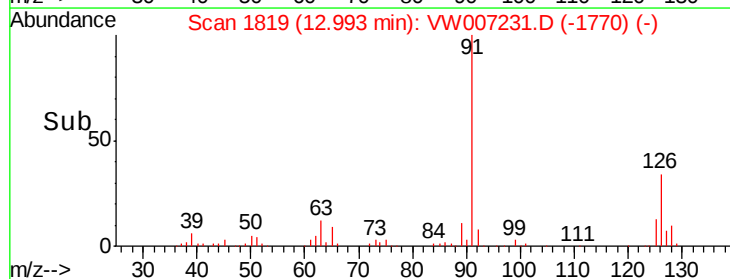
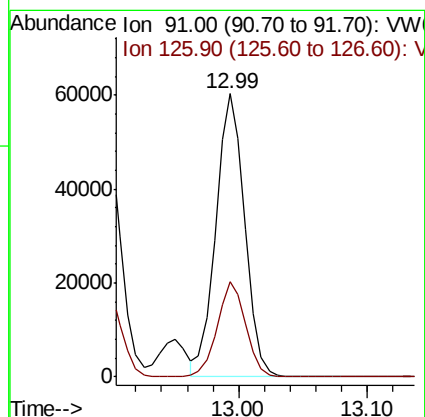
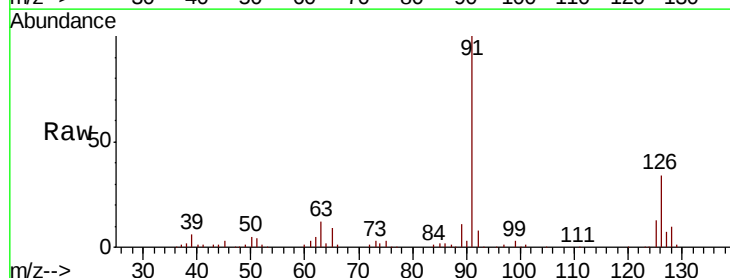
Acq: 05 Dec 2018 15:21

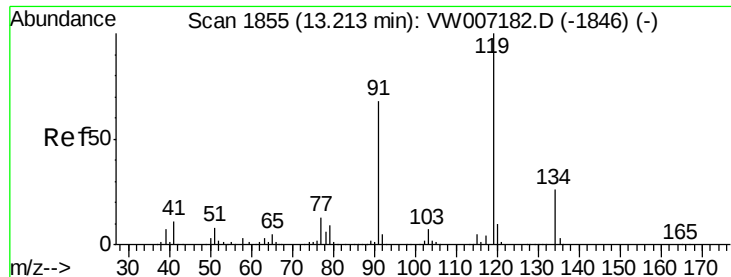
Tgt Ion: 91 Resp: 94943

Ion Ratio Lower Upper

91 100

126 33.2 17.4 52.3

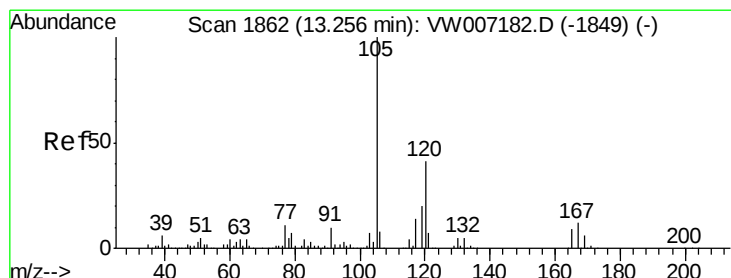
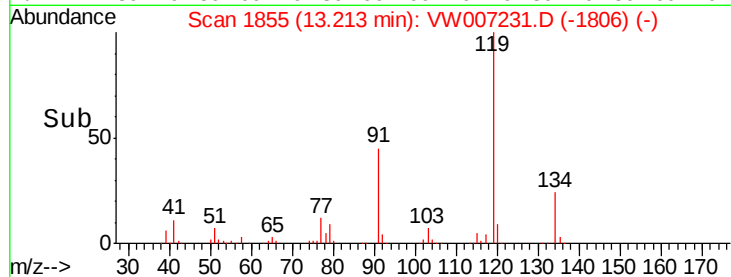
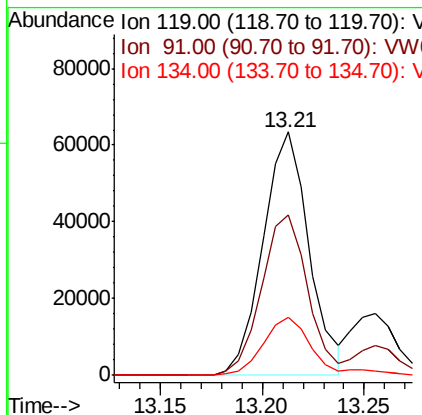
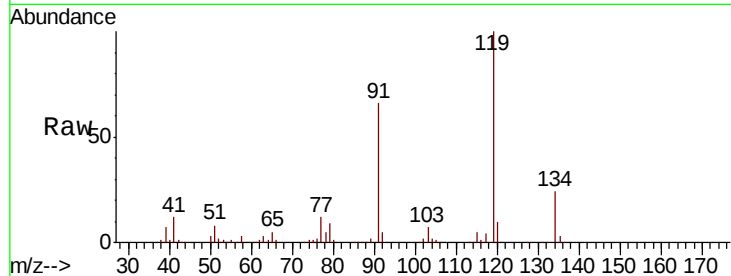




#83
tert-Butylbenzene
Concen: 21.700 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

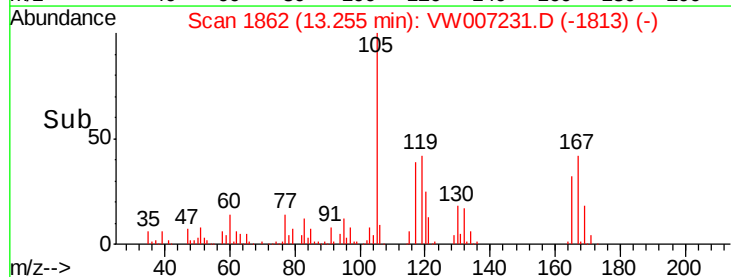
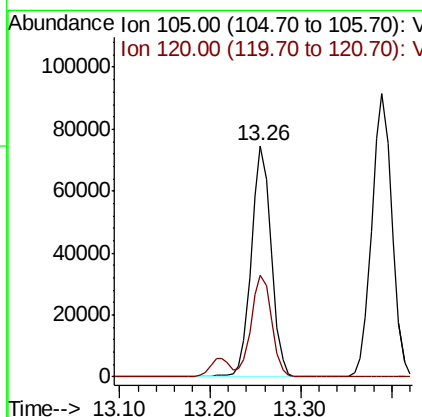
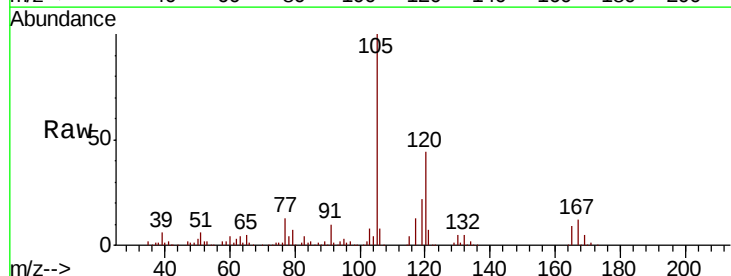
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

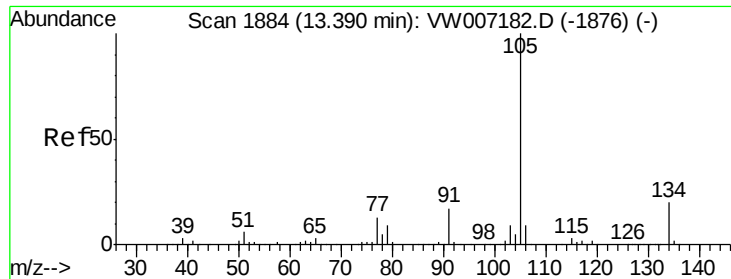
Tot Ion:119 Resp: 99848
Ion Ratio Lower Upper
119 100
91 66.1 34.0 101.8
134 25.7 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 21.118 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion:105 Resp: 113498
Ion Ratio Lower Upper
105 100
120 45.3 21.1 63.3

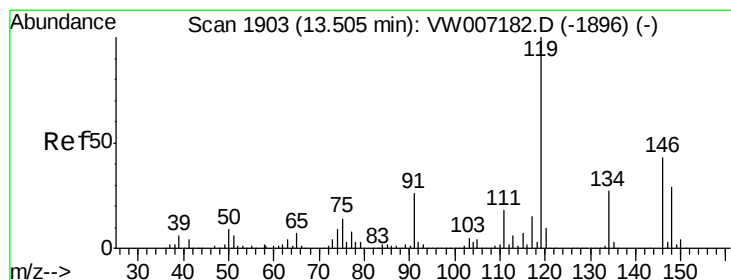
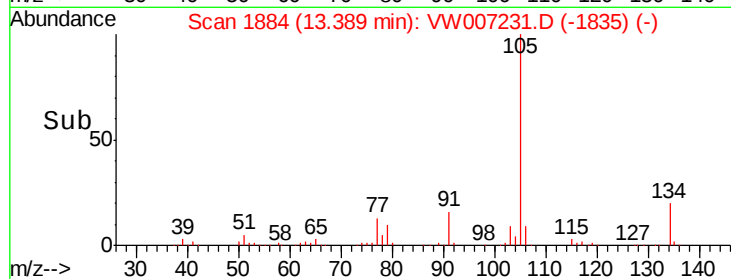
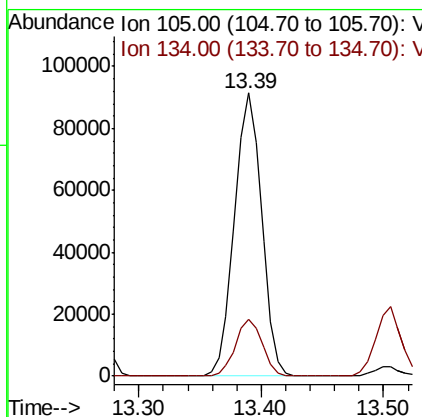
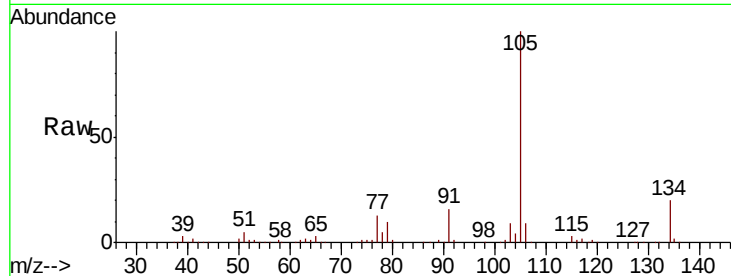




#85
 sec-Butylbenzene
 Concen: 21.413 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

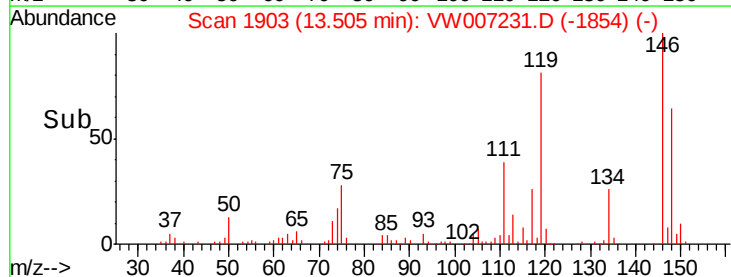
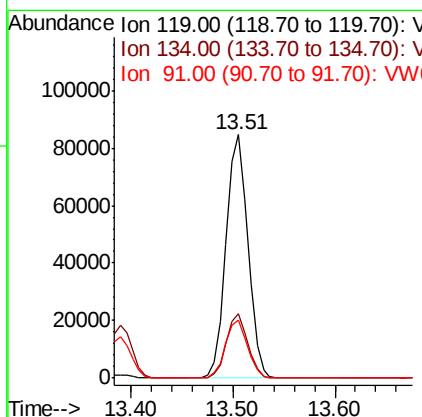
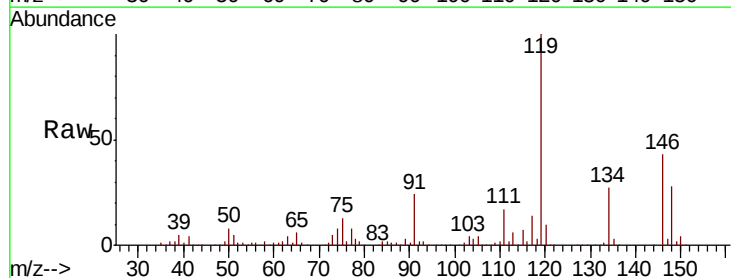
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

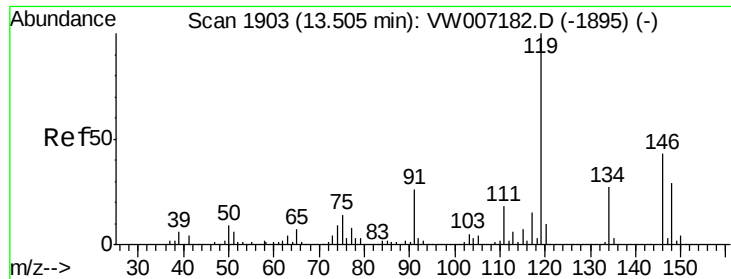
Tot Ion:105 Resp: 140655
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.475 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion:119 Resp: 125573
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.6
 91 24.1 12.4 37.2

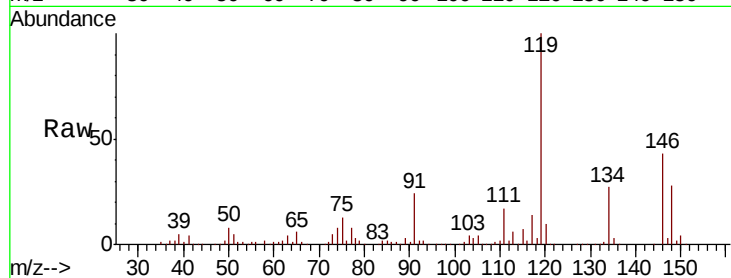




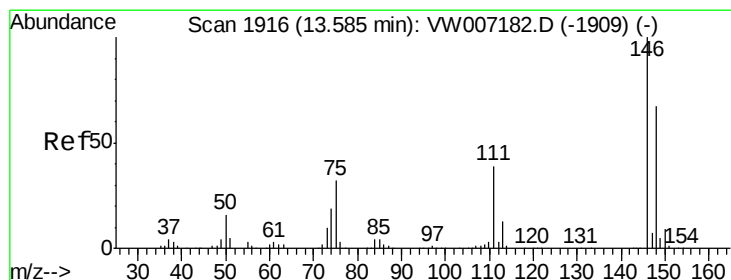
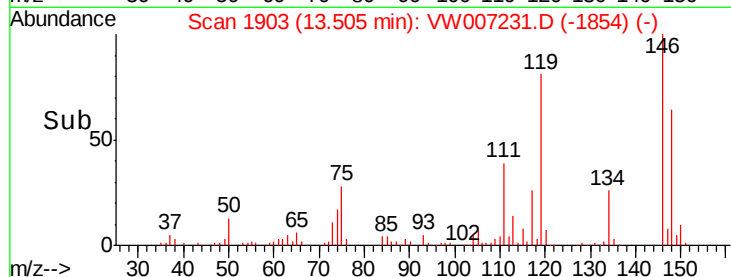
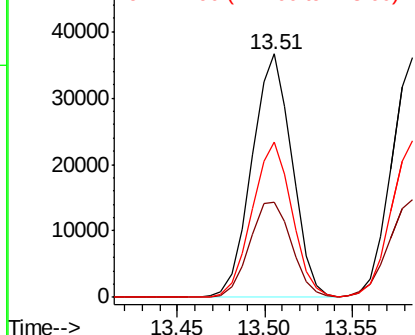
#87
 1,3-Dichlorobenzene
 Concen: 21.391 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tot Ion:146 Resp: 58338
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.1 63.4
 148 63.2 32.8 98.4

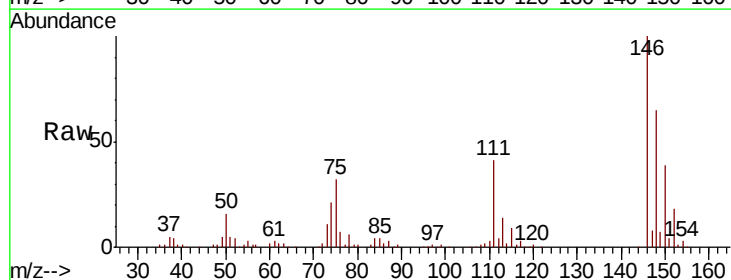


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

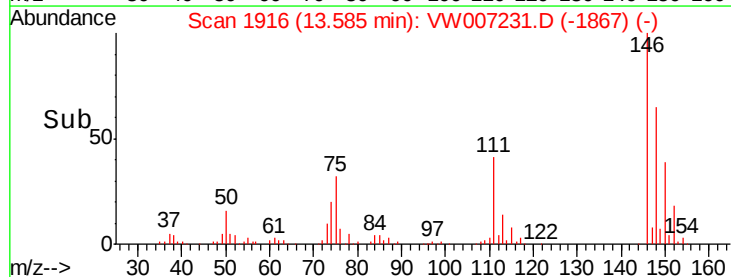
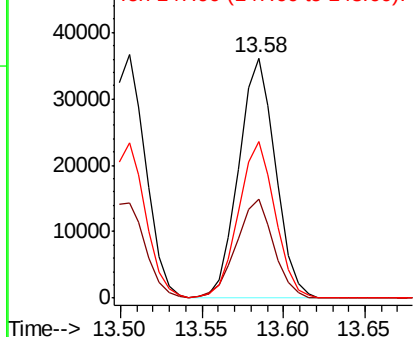


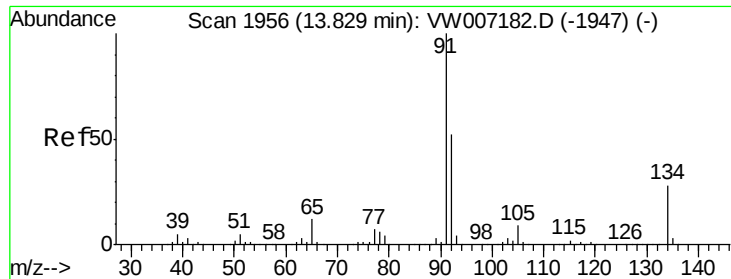
#88
 1,4-Dichlorobenzene
 Concen: 20.499 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion:146 Resp: 56472
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.6 58.8
 148 65.7 32.6 98.0



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





#89

n-Butylbenzene

Concen: 21.710 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007231.D

Acq: 05 Dec 2018 15:21

Instrument :

MSVOA_W

ClientSampled :

VW1205SBS01

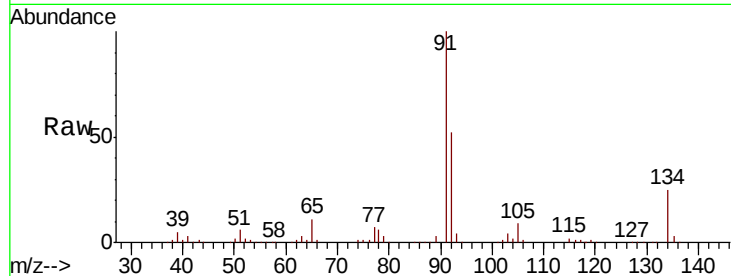
Tot Ion: 91 Resp: 118632

Ion Ratio Lower Upper

91 100

92 53.2 26.5 79.5

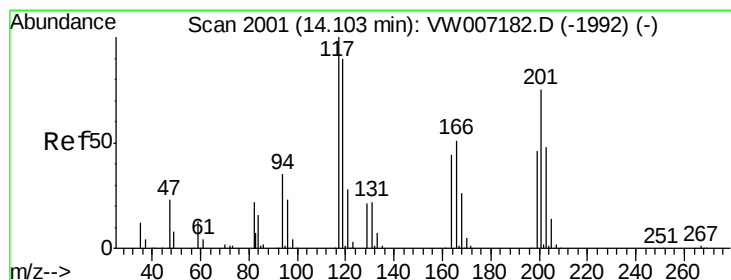
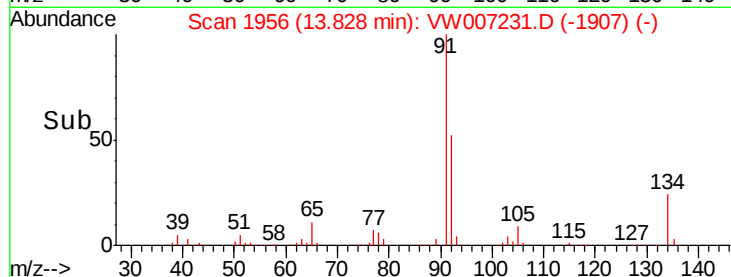
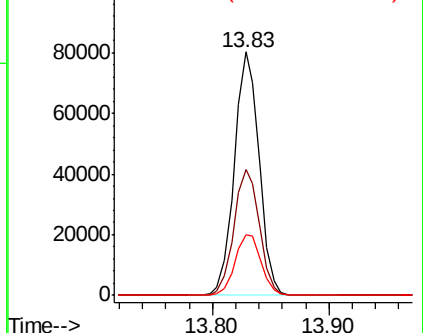
134 26.4 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.237 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW007231.D

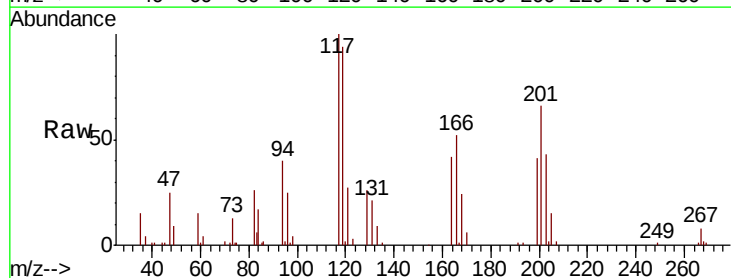
Acq: 05 Dec 2018 15:21

Tgt Ion: 117 Resp: 18924

Ion Ratio Lower Upper

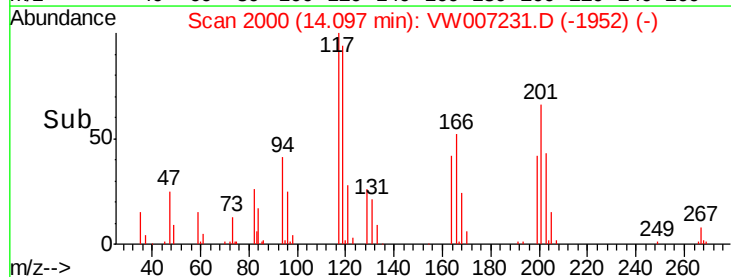
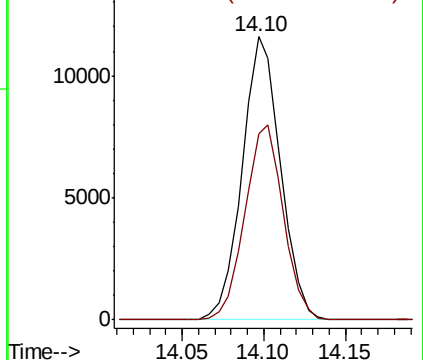
117 100

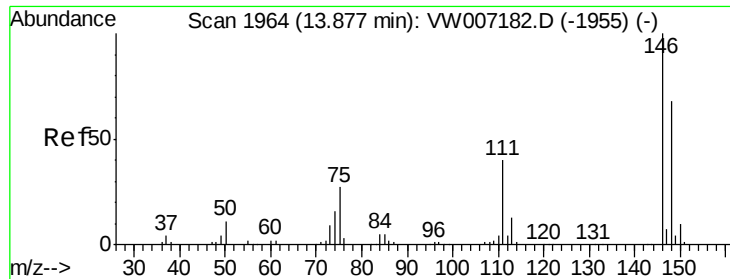
201 68.9 36.0 108.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

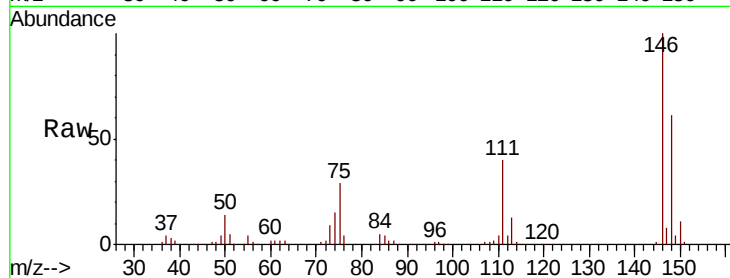




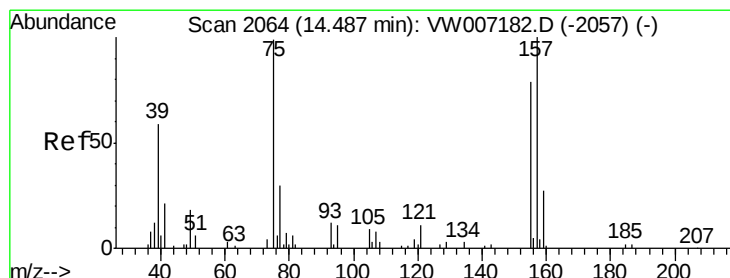
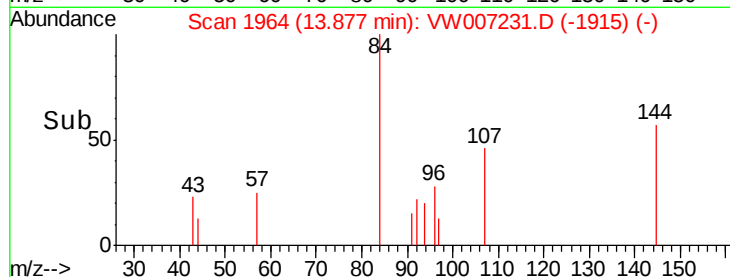
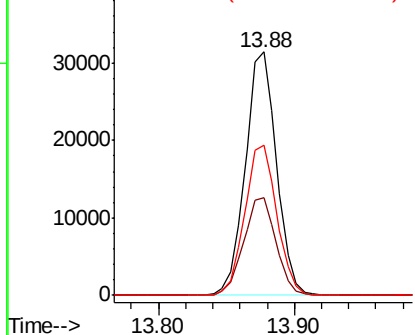
#91
 1,2-Dichlorobenzene
 Concen: 21.362 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tot Ion:146 Resp: 50435
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.6 65.0
 148 63.6 32.7 98.1

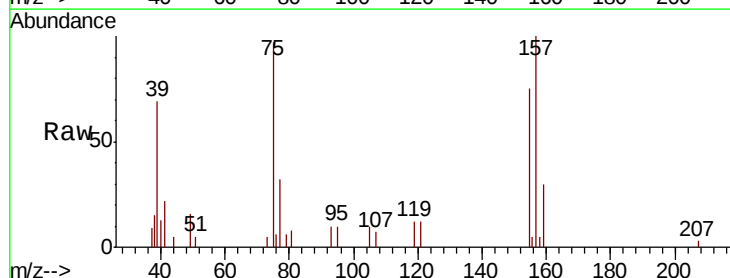


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

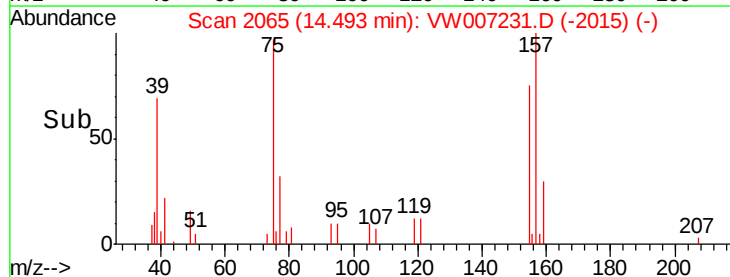
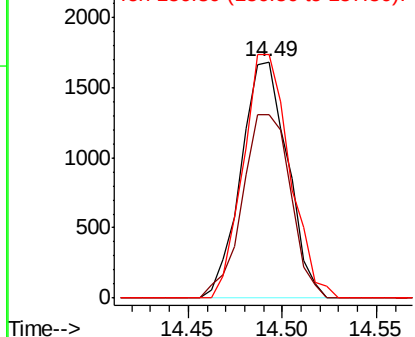


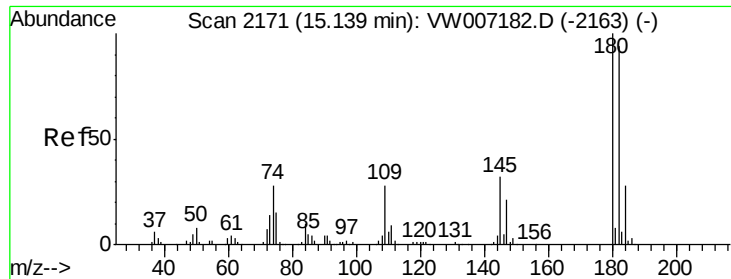
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.612 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007231.D
 Acq: 05 Dec 2018 15:21

Tgt Ion: 75 Resp: 2882
 Ion Ratio Lower Upper
 75 100
 155 80.4 42.4 127.2
 157 103.3 55.3 165.9



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

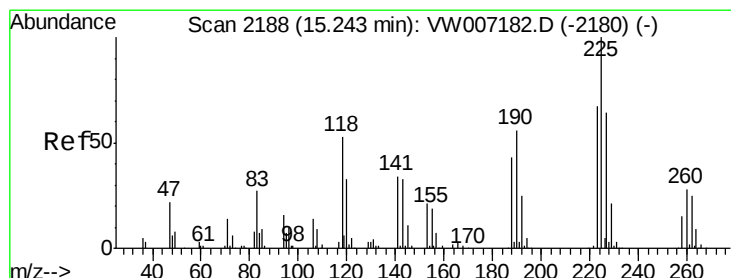
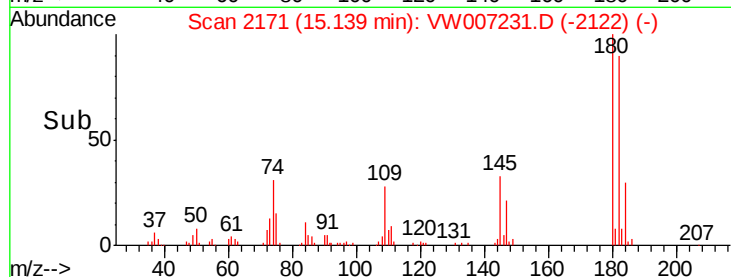
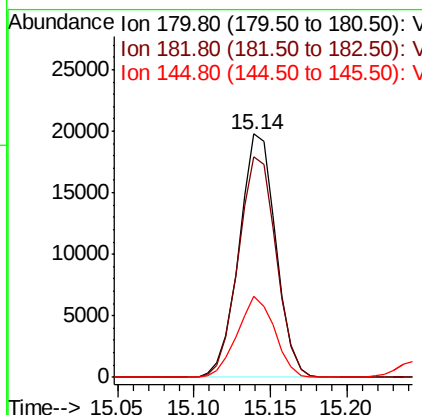
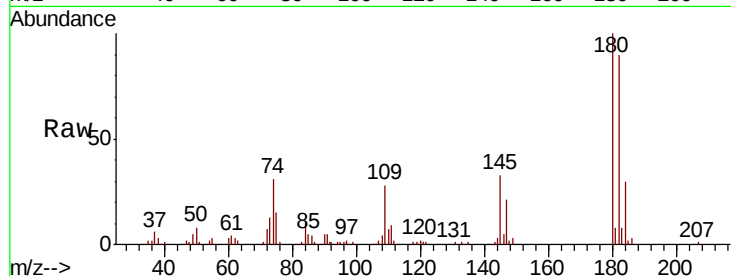




#93
1,2,4-Trichlorobenzene
Concen: 20.143 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

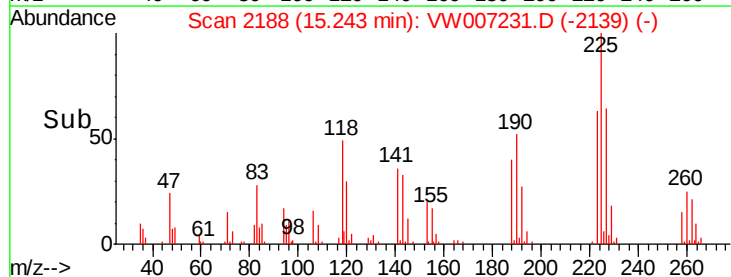
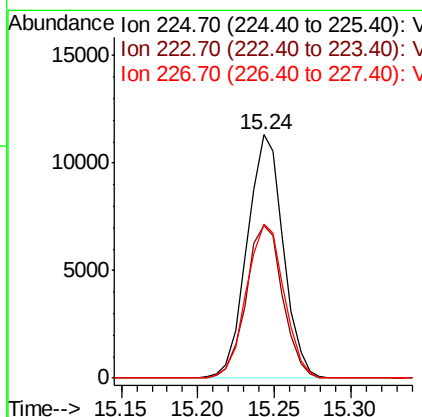
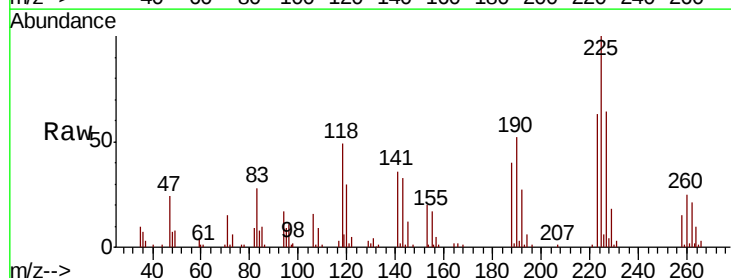
Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

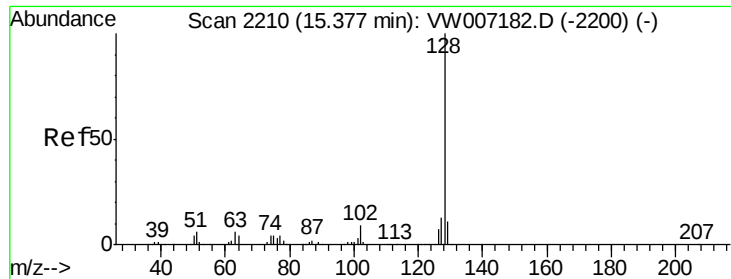
Tot Ion:180 Resp: 32958
Ion Ratio Lower Upper
180 100
182 93.3 47.9 143.8
145 33.5 16.6 49.7



#94
Hexachlorobutadiene
Concen: 21.055 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion:225 Resp: 18577
Ion Ratio Lower Upper
225 100
223 63.5 32.3 96.8
227 65.7 32.1 96.3

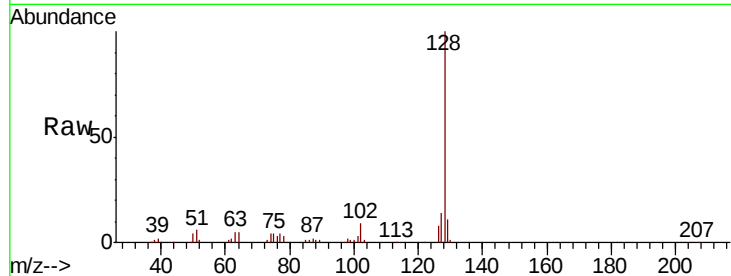




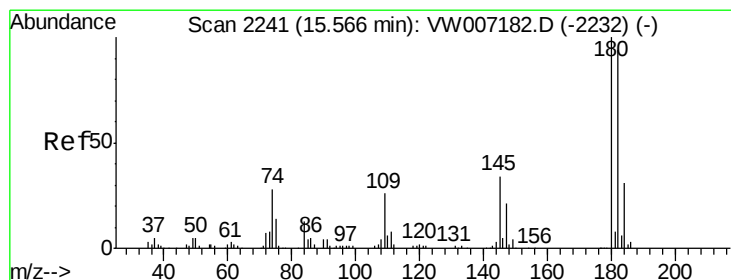
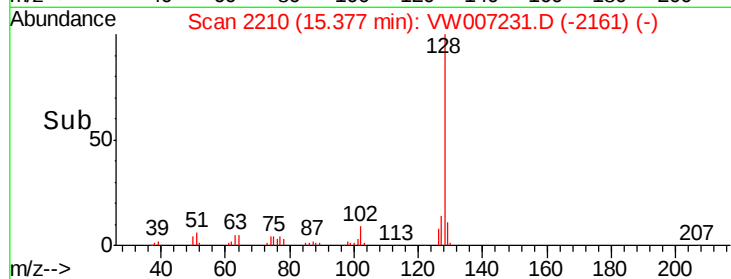
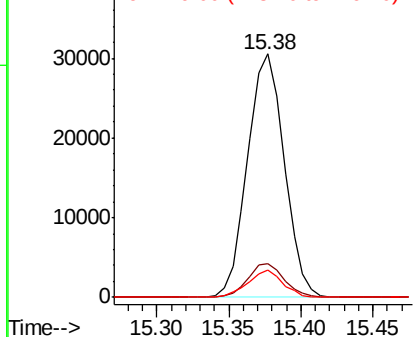
#95
Naphthalene
Concen: 18.406 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tot Ion:128 Resp: 53974
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 10.4 8.6 13.0

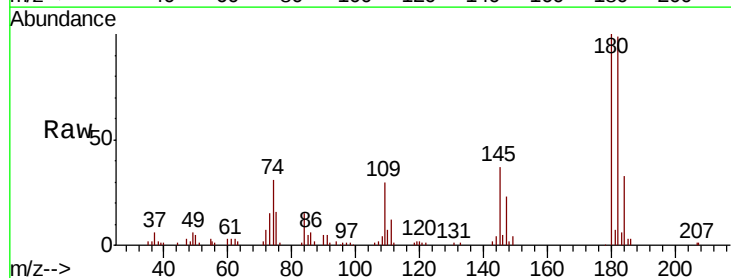


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.593 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007231.D
Acq: 05 Dec 2018 15:21

Tgt Ion:180 Resp: 27032
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.2
145 35.3 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

