

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010526.D
 Acq On : 23 May 2019 13:32
 Operator : SY/VA
 Sample : VW0523SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Quant Time: May 24 08:40:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	145298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72930	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	78511	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.32	98	304922	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.62	95	114854	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21473	16.401	ug/l	95
3) Chloromethane	2.21	50	24043	15.749	ug/l	99
4) Vinyl Chloride	2.35	62	28107	15.895	ug/l	98
5) Bromomethane	2.75	94	19936	16.388	ug/l	92
6) Chloroethane	2.91	64	18971	16.712	ug/l	99
7) Trichlorofluoromethane	3.25	101	51336	19.664	ug/l	99
8) Diethyl Ether	3.68	74	14279	17.254	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31800	19.779	ug/l	99
10) Methyl Iodide	4.27	142	29256	15.920	ug/l	98
11) Tert butyl alcohol	5.17	59	14855	110.120	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	29456	19.193	ug/l	97
13) Acrolein	3.90	56	7929	86.259	ug/l	100
14) Allyl chloride	4.67	41	41235	18.562	ug/l	99
15) Acrylonitrile	5.37	53	27799	80.209	ug/l	100
16) Acetone	4.12	43	29387	95.996	ug/l	97
17) Carbon Disulfide	4.37	76	79888	17.452	ug/l	100
18) Methyl Acetate	4.67	43	13012	17.379	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	70008	17.893	ug/l	99
20) Methylene Chloride	4.91	84	32020	14.195	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34439	19.563	ug/l	94
22) Diisopropyl ether	6.31	45	83872	18.413	ug/l	95
23) Vinyl Acetate	6.25	43	236779	87.020	ug/l	99
24) 1,1-Dichloroethane	6.21	63	52771	19.413	ug/l	99
25) 2-Butanone	7.17	43	38796	88.556	ug/l	98
26) 2,2-Dichloropropane	7.17	77	57067	22.039	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	37674	19.685	ug/l	96
28) Bromochloromethane	7.51	49	18855	19.373	ug/l	95
29) Tetrahydrofuran	7.52	42	22440	75.696	ug/l	97
30) Chloroform	7.68	83	58024	19.789	ug/l	98
31) Cyclohexane	7.95	56	53448	18.771	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	55207	19.700	ug/l	97
36) 1,1-Dichloropropene	8.08	75	46933	20.531	ug/l	99
37) Ethyl Acetate	7.25	43	16851	17.335	ug/l	98
38) Carbon Tetrachloride	8.06	117	49920	20.244	ug/l	98

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 Sample : VW0523SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Quant Time: May 24 08:40:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62904	20.540	ug/l	98
40) Benzene	8.32	78	127904	20.131	ug/l	99
41) Methacrylonitrile	7.48	41	9152	15.845	ug/l	98
42) 1,2-Dichloroethane	8.40	62	34776	19.151	ug/l	99
43) Isopropyl Acetate	8.42	43	32598	16.786	ug/l	98
44) Trichloroethene	9.09	130	38298	20.304	ug/l	98
45) 1,2-Dichloropropane	9.37	63	29832	19.770	ug/l	97
46) Dibromomethane	9.46	93	16657	18.875	ug/l	97
47) Bromodichloromethane	9.65	83	42602	19.211	ug/l	98
48) Methyl methacrylate	9.43	41	14453	16.268	ug/l	95
49) 1,4-Dioxane	9.45	88	4612	319.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	82193	83.525	ug/l	100
52) Toluene	10.39	92	87314	20.463	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	41292	18.385	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	49770	19.403	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	23921	18.850	ug/l	99
56) Ethyl methacrylate	10.65	69	29094	16.624	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40052	18.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	68206	87.985	ug/l	98
59) 2-Hexanone	10.97	43	55888	79.615	ug/l	99
60) Dibromochloromethane	11.13	129	29878	18.603	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24237	18.854	ug/l	99
64) Tetrachloroethene	10.86	164	30478	20.428	ug/l	97
65) Chlorobenzene	11.66	112	93932	20.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33324	20.394	ug/l	99
67) Ethyl Benzene	11.73	91	166491	20.673	ug/l	100
68) m/p-Xylenes	11.84	106	131516	41.634	ug/l	99
69) o-Xylene	12.17	106	61402	20.516	ug/l	100
70) Styrene	12.18	104	102723	20.229	ug/l	99
71) Bromoform	12.35	173	15528	17.257	ug/l #	100
73) Isopropylbenzene	12.46	105	169159	20.915	ug/l	100
74) N-amyl acetate	12.27	43	29926	16.147	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26098	17.741	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34237	33.093	ug/l #	1
77) Bromobenzene	12.75	156	37621	20.786	ug/l	98
78) n-propylbenzene	12.80	91	192921	20.468	ug/l	100
79) 2-Chlorotoluene	12.90	91	112258	20.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	142283	20.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7836	15.808	ug/l	94
82) 4-Chlorotoluene	12.99	91	116939	20.612	ug/l	100
83) tert-Butylbenzene	13.21	119	123085	20.571	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	140670	20.619	ug/l	100
85) sec-Butylbenzene	13.38	105	173156	20.679	ug/l	99
86) p-Isopropyltoluene	13.50	119	157202	20.742	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	73178	20.608	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	72541	20.361	ug/l	97
89) n-Butylbenzene	13.83	91	147678	20.485	ug/l	99
90) Hexachloroethane	14.10	117	29427	20.060	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	65247	20.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4562	16.678	ug/l	94

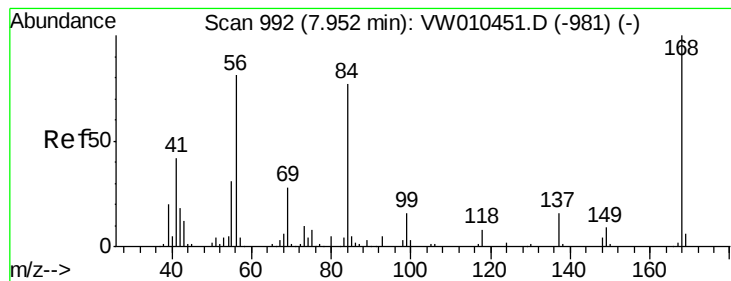
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010526.D
Acq On : 23 May 2019 13:32
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MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	44237	20.095	ug/l	99
94) Hexachlorobutadiene	15.24	225	24464	20.802	ug/l	99
95) Naphthalene	15.37	128	81675	17.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	37784	19.947	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

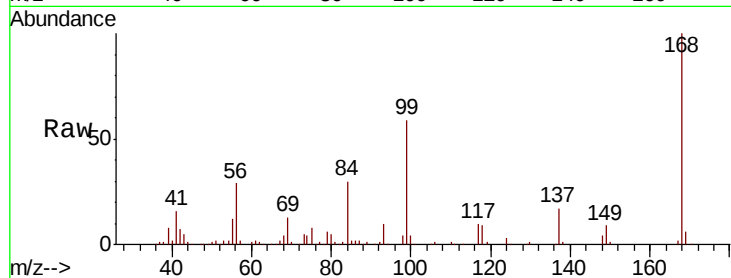
VW0523SBS01

Tot Ion:168 Resp: 145298

Ion Ratio Lower Upper

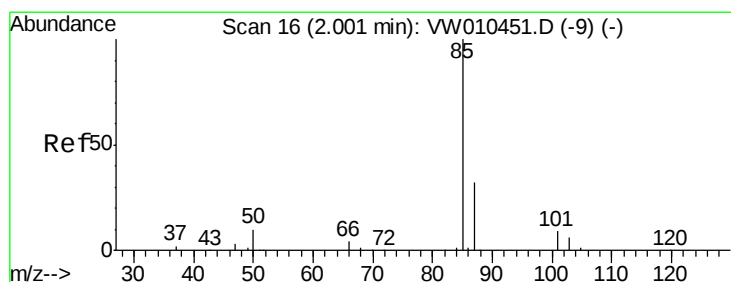
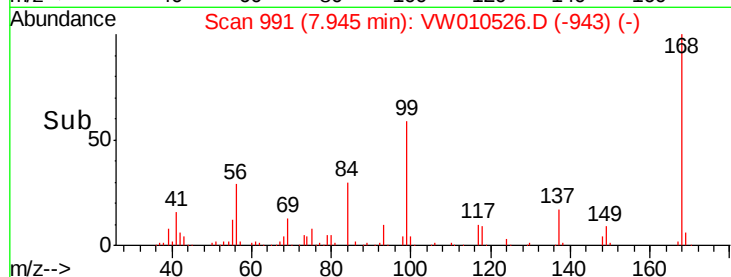
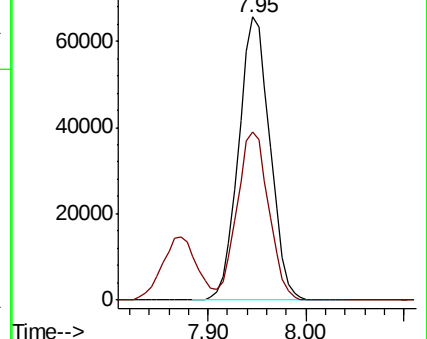
168 100

99 59.4 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.401 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010526.D

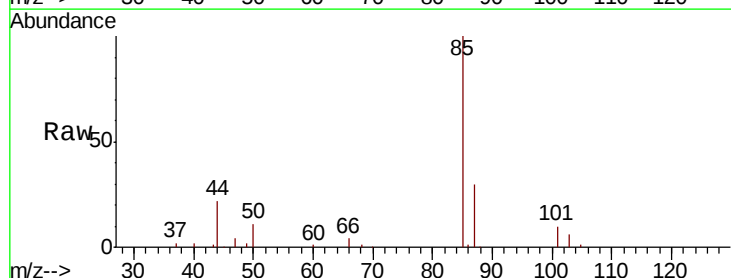
Acq: 23 May 2019 13:32

Tgt Ion: 85 Resp: 21473

Ion Ratio Lower Upper

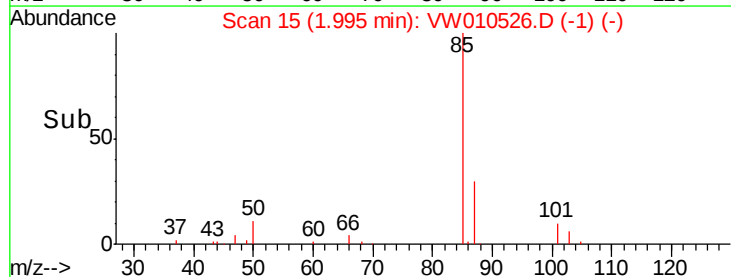
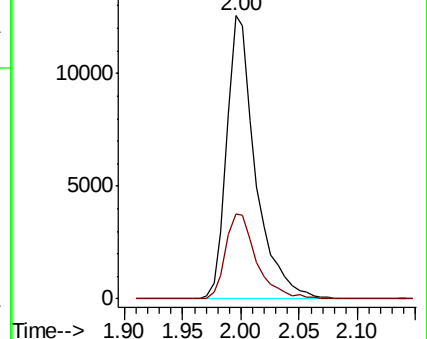
85 100

87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.749 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

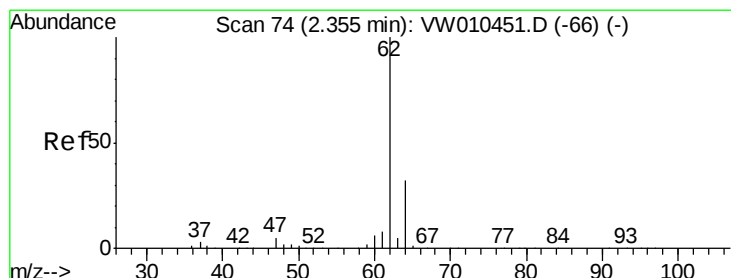
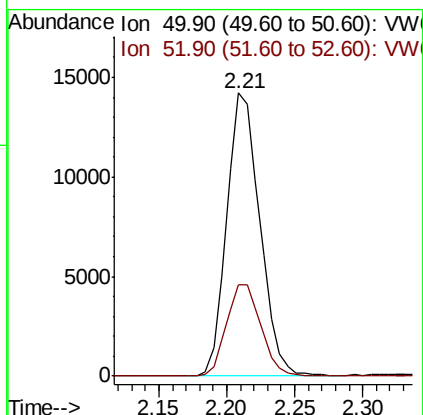
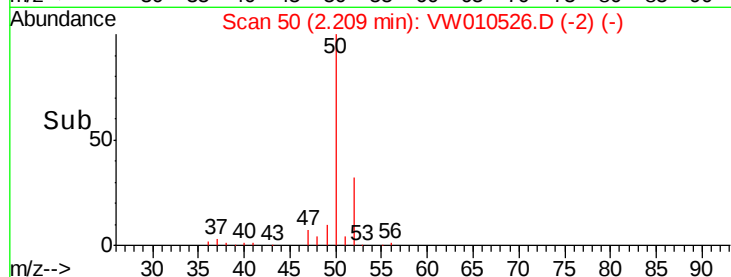
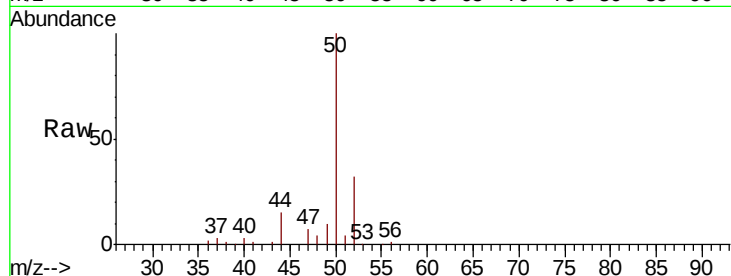
VW0523SBS01

Tot Ion: 50 Resp: 24043

Ion Ratio Lower Upper

50 100

52 32.1 26.3 39.5



#4

Vinyl Chloride

Concen: 15.895 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010526.D

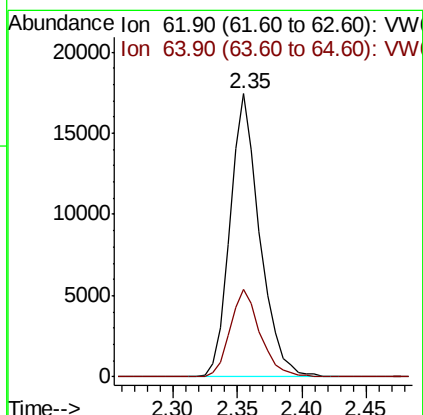
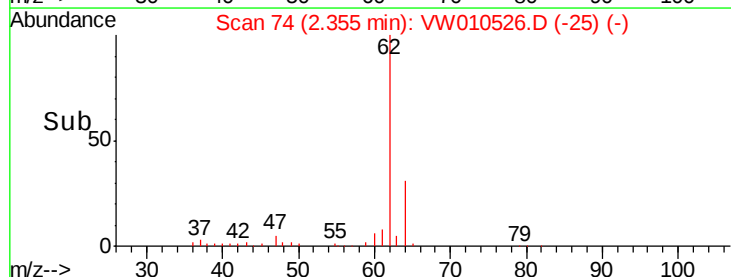
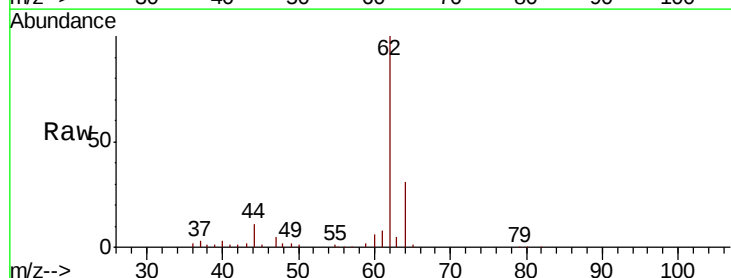
Acq: 23 May 2019 13:32

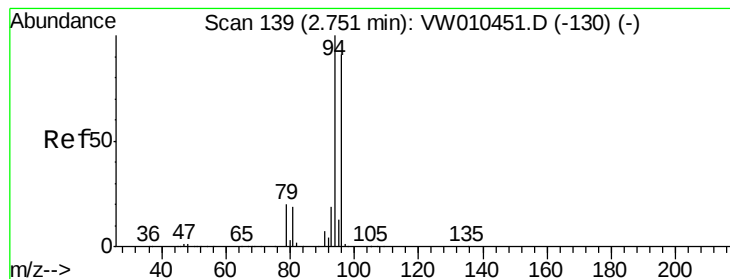
Tgt Ion: 62 Resp: 28107

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 16.388 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

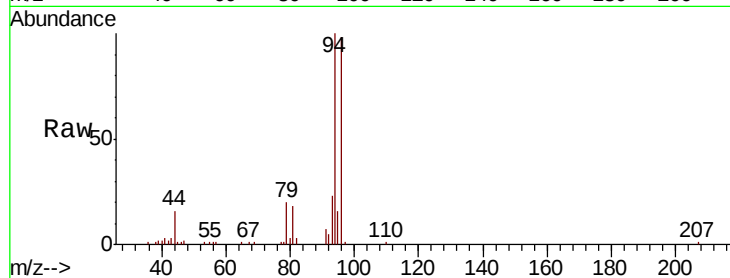
VW0523SBS01

Tot Ion: 94 Resp: 19936

Ion Ratio Lower Upper

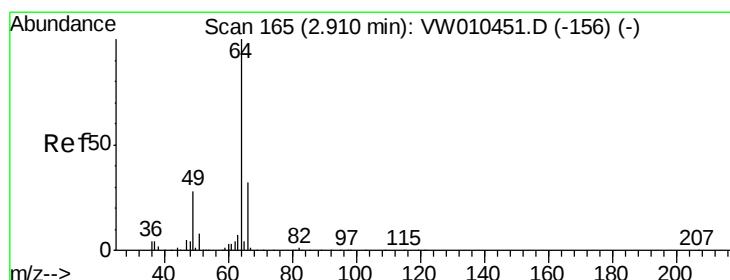
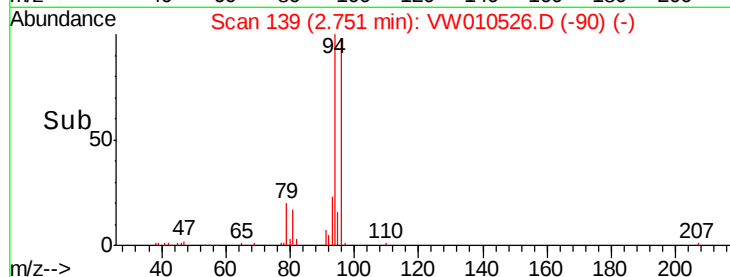
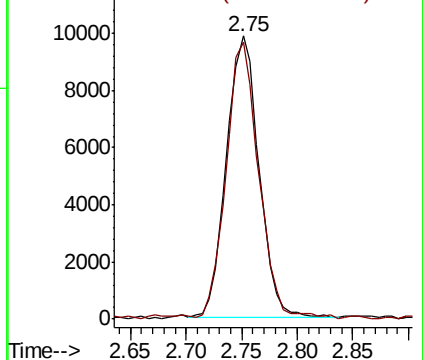
94 100

96 98.4 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 16.712 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010526.D

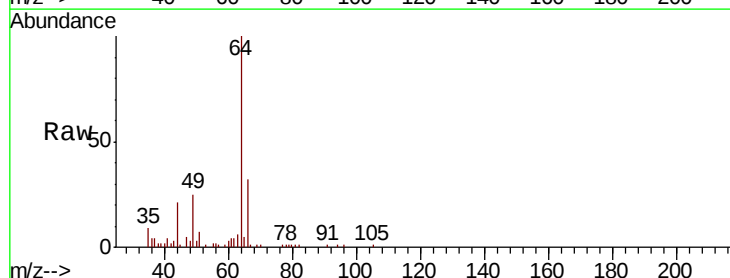
Acq: 23 May 2019 13:32

Tgt Ion: 64 Resp: 18971

Ion Ratio Lower Upper

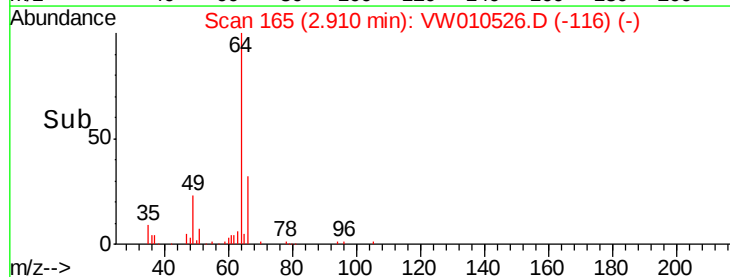
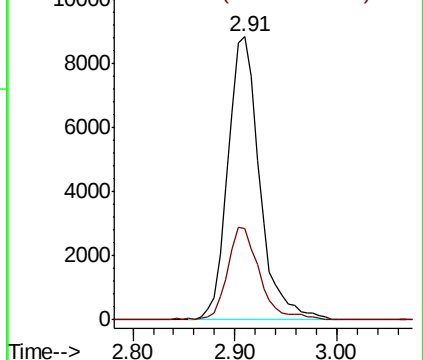
64 100

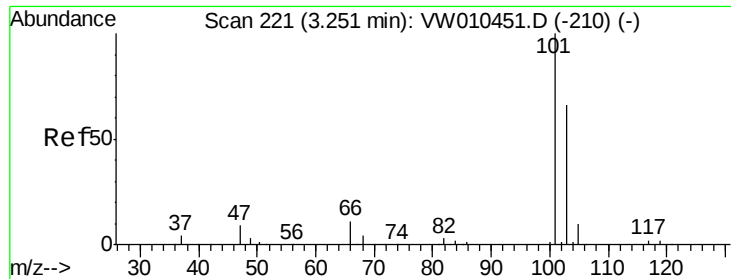
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



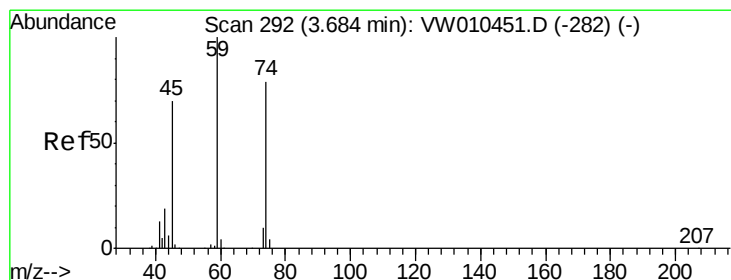
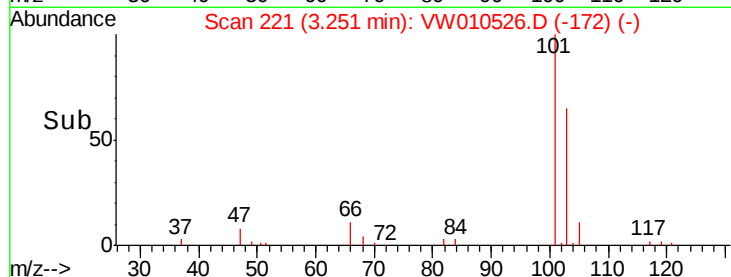
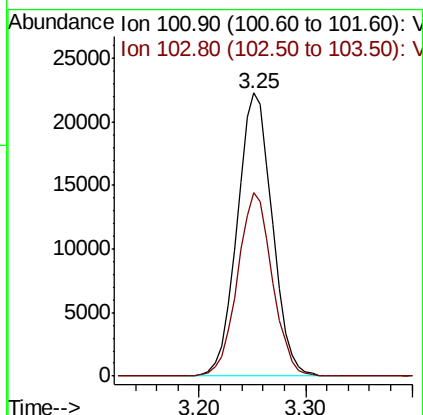
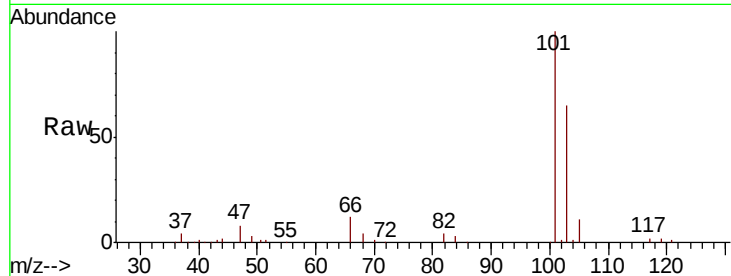


#7

Trichlorofluoromethane
Concen: 19.664 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

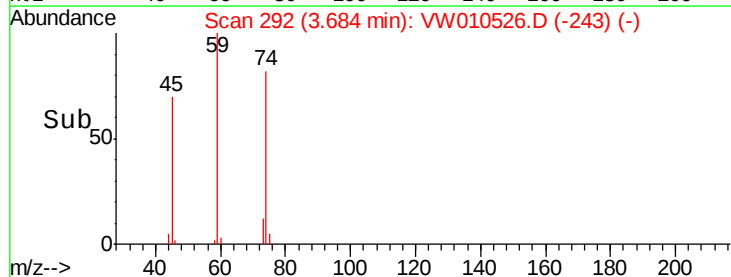
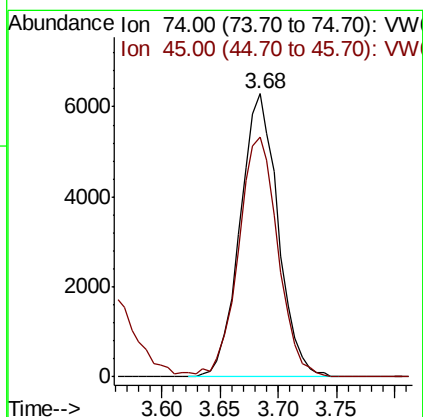
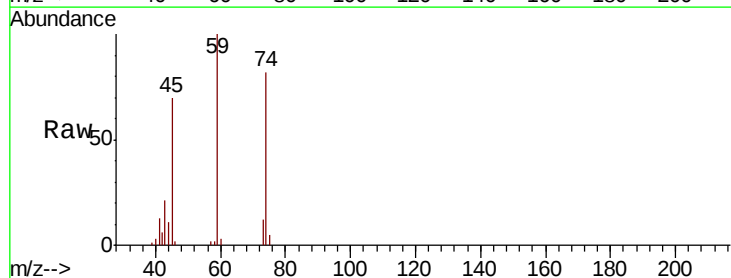
Tot Ion:101 Resp: 51336
Ion Ratio Lower Upper
101 100
103 65.0 53.0 79.4

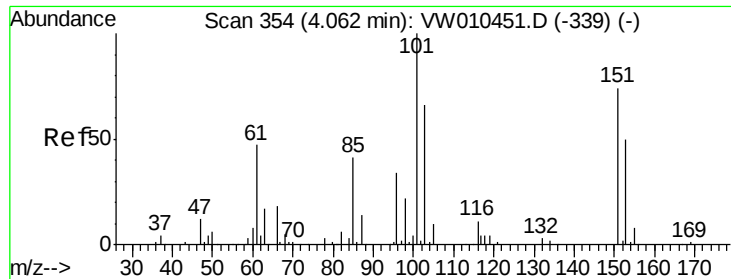


#8

Diethyl Ether
Concen: 17.254 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 74 Resp: 14279
Ion Ratio Lower Upper
74 100
45 88.3 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampled :

VW0523SBS01

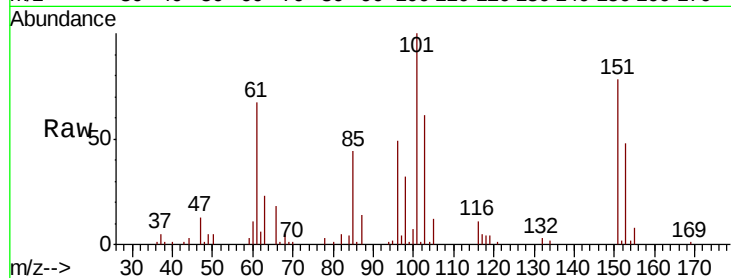
Tot Ion:101 Resp: 31800

Ion Ratio Lower Upper

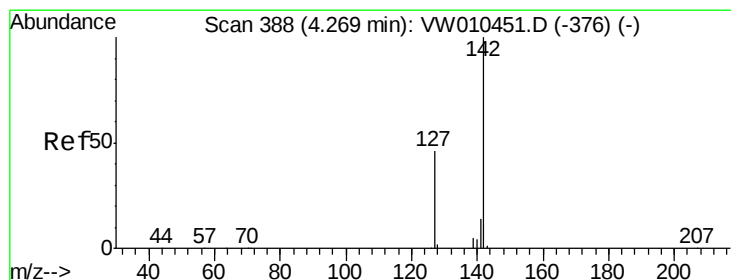
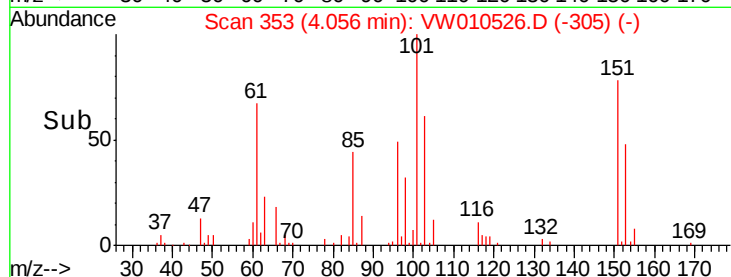
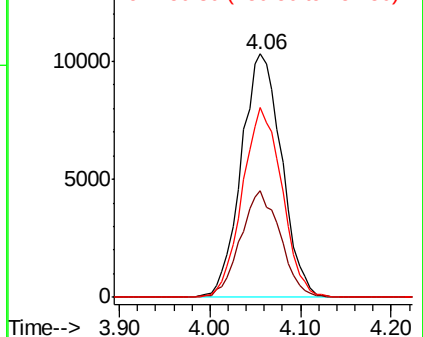
101 100

85 43.1 34.3 51.5

151 76.4 60.3 90.5



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: 15.920 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

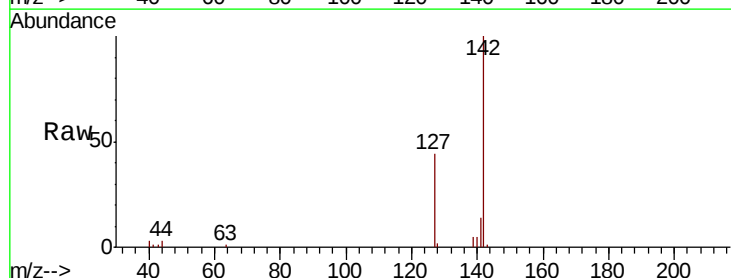
Tgt Ion:142 Resp: 29256

Ion Ratio Lower Upper

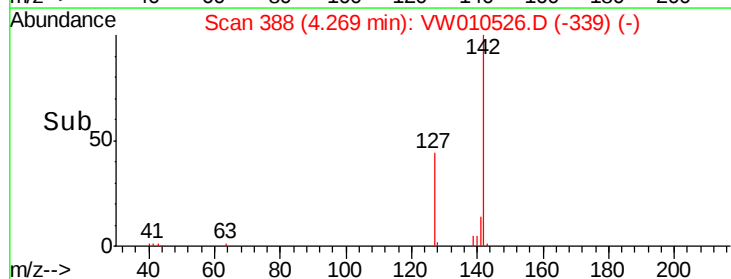
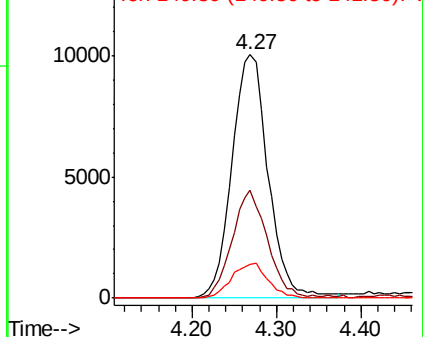
142 100

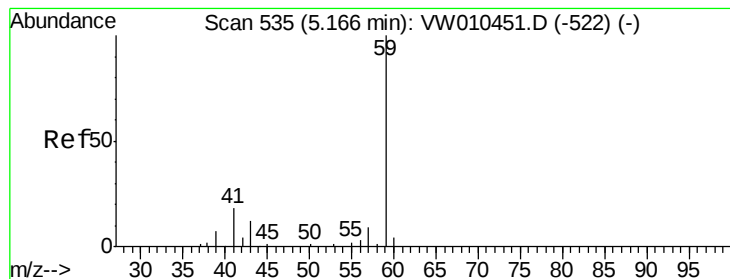
127 43.2 36.1 54.1

141 14.3 11.3 16.9



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



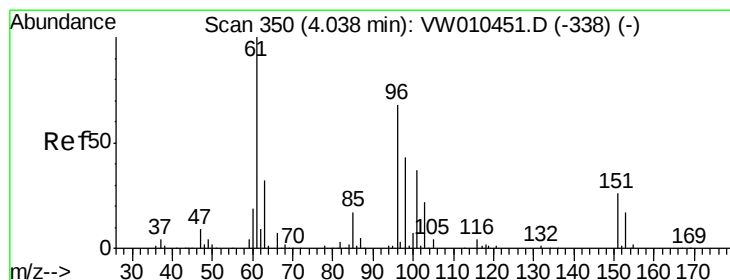
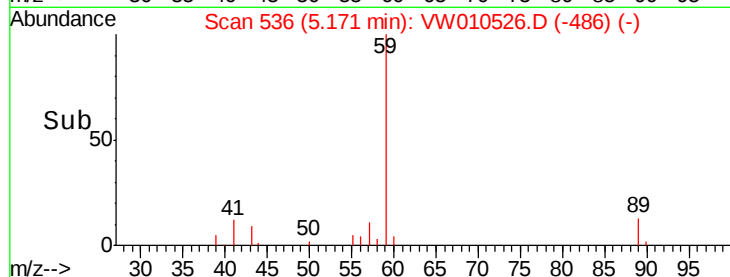
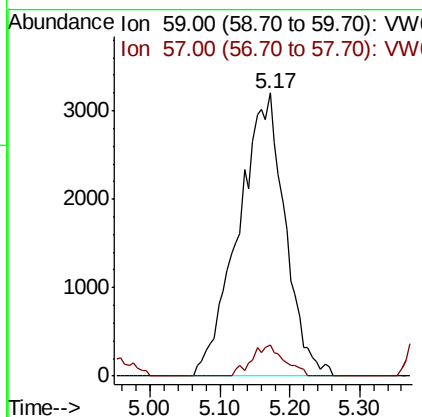
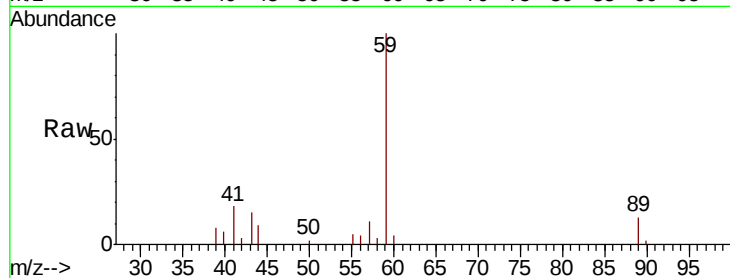


#11

Tert butyl alcohol
 Concen: 110.120 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

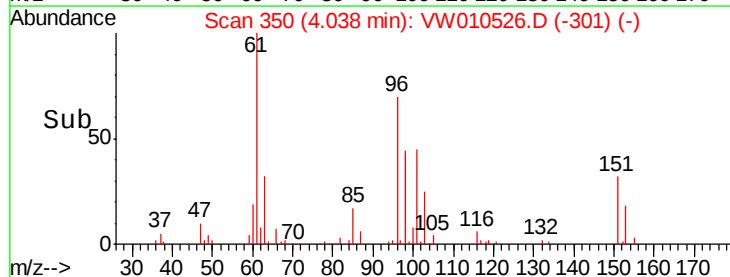
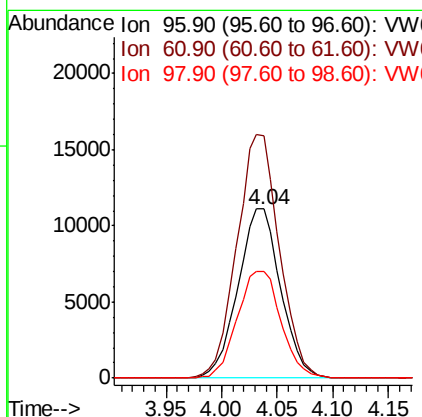
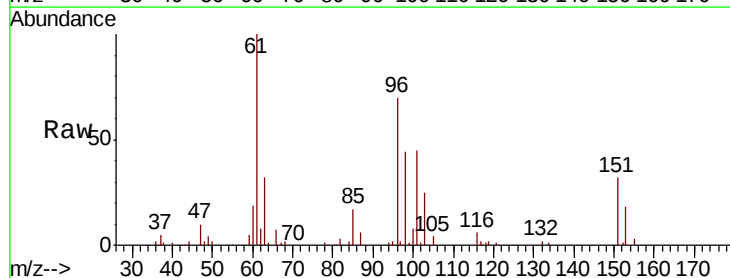
Tot Ion: 59 Resp: 14855
 Ion Ratio Lower Upper
 59 100
 57 7.7 8.8 13.2#

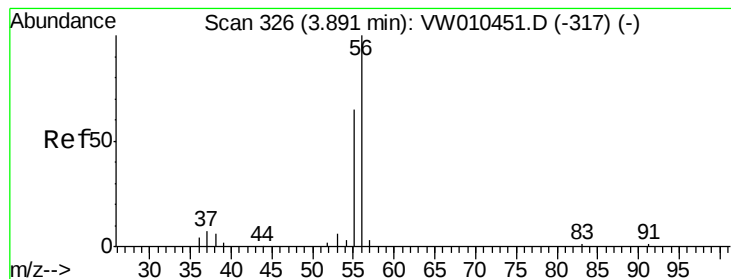


#12

1,1-Dichloroethene
 Concen: 19.193 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 96 Resp: 29456
 Ion Ratio Lower Upper
 96 100
 61 142.9 118.3 177.5
 98 62.9 51.0 76.6





#13

Acrolein

Concen: 86.259 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

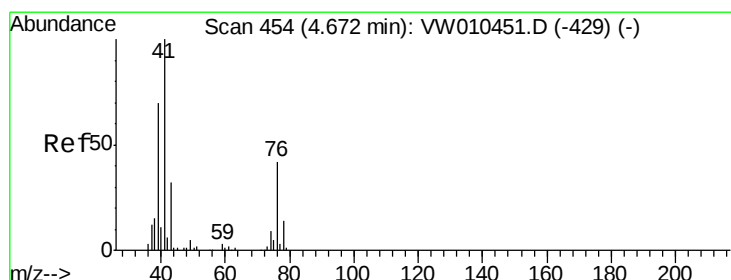
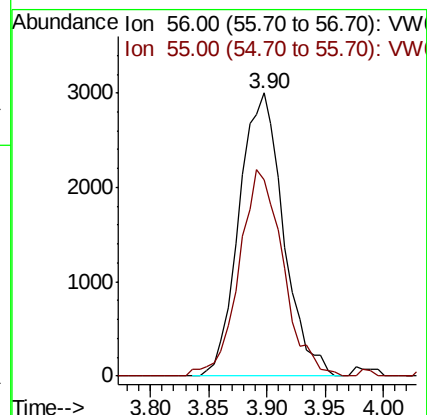
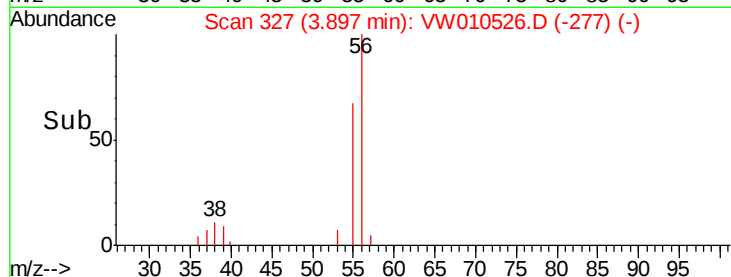
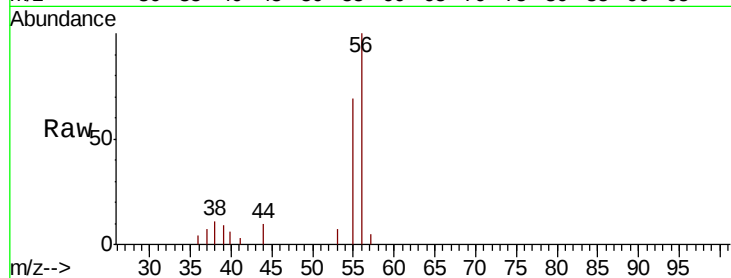
VW0523SBS01

Tot Ion: 56 Resp: 7929

Ion Ratio Lower Upper

56 100

55 72.5 57.9 86.9



#14

Allyl chloride

Concen: 18.562 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

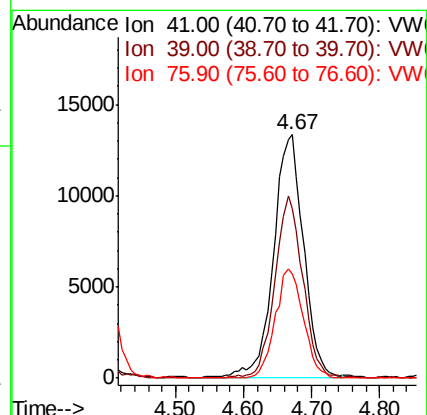
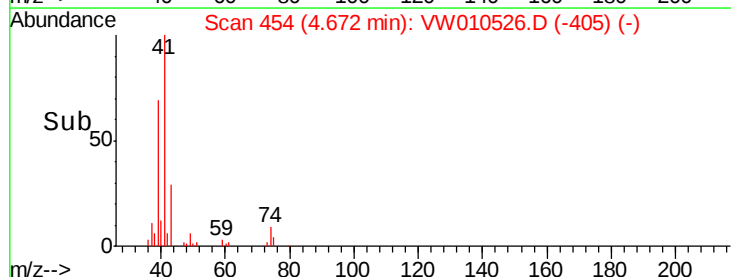
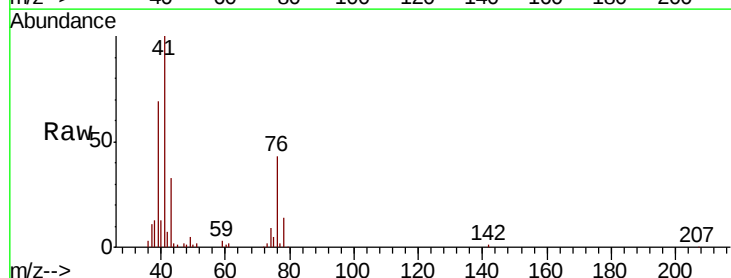
Tgt Ion: 41 Resp: 41235

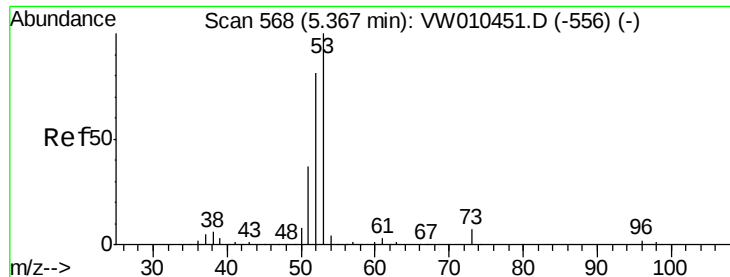
Ion Ratio Lower Upper

41 100

39 69.5 55.0 82.4

76 41.6 32.8 49.2





#15

Acrylonitrile

Concen: 80.209 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

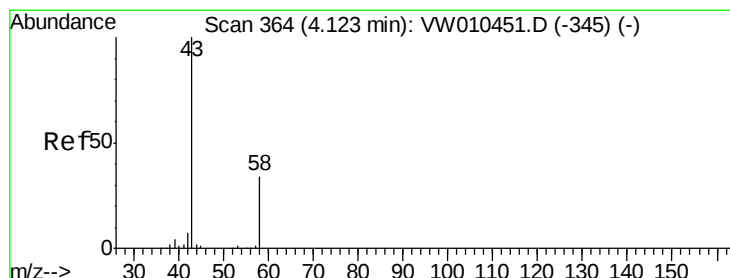
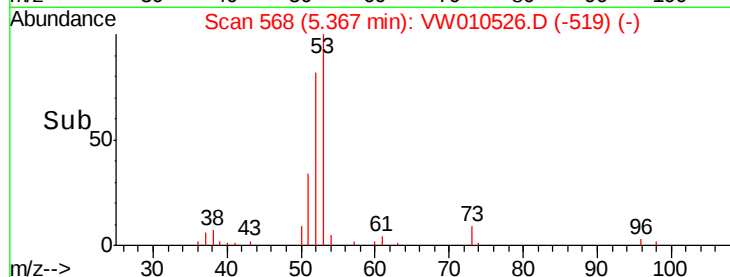
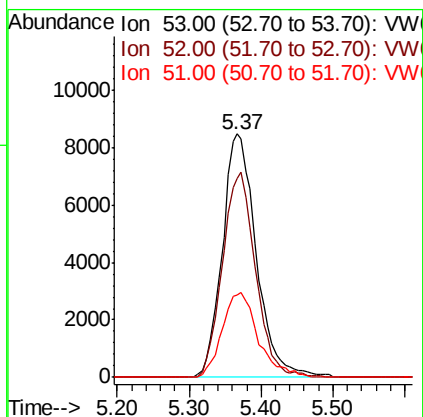
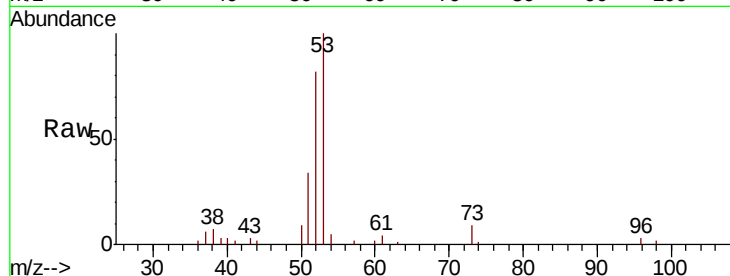
Tot Ion: 53 Resp: 27799

Ion Ratio Lower Upper

53 100

52 82.1 65.6 98.4

51 36.7 29.5 44.3



#16

Acetone

Concen: 95.996 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010526.D

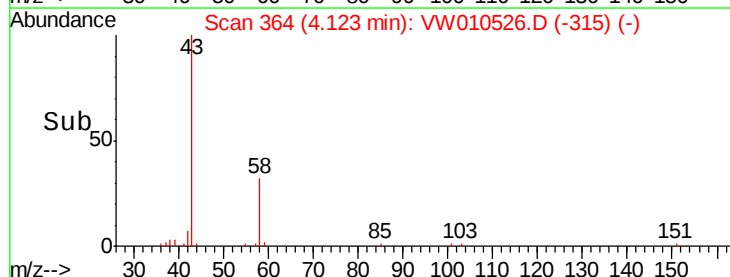
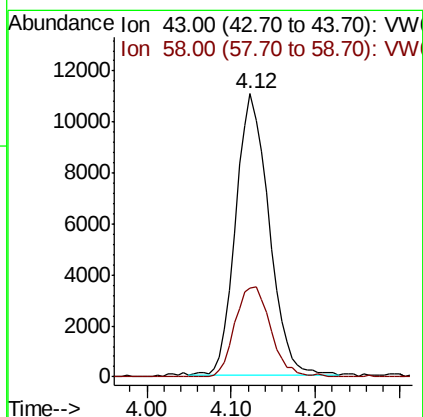
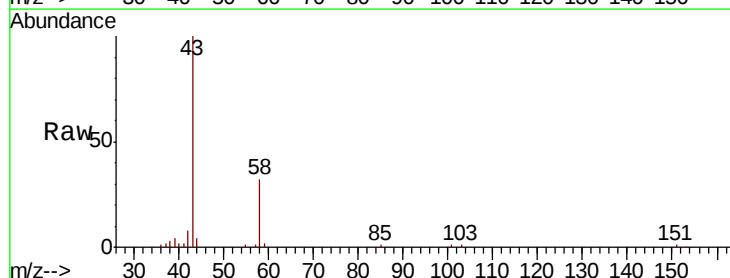
Acq: 23 May 2019 13:32

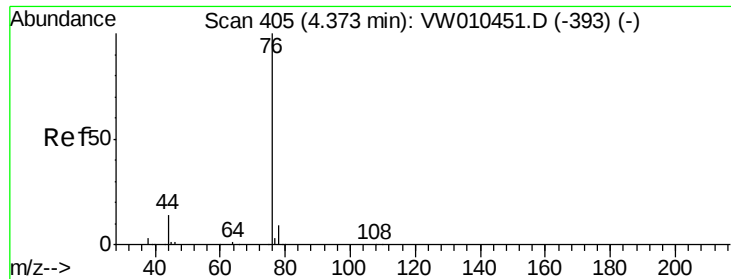
Tgt Ion: 43 Resp: 29387

Ion Ratio Lower Upper

43 100

58 31.8 27.0 40.4

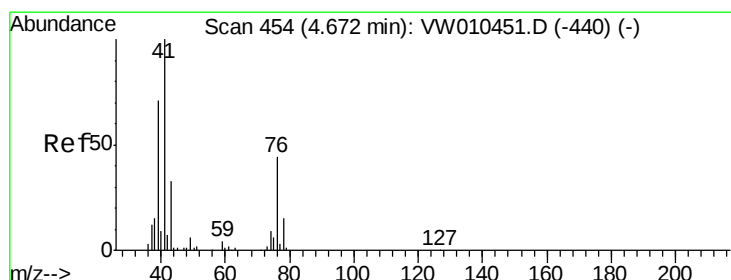
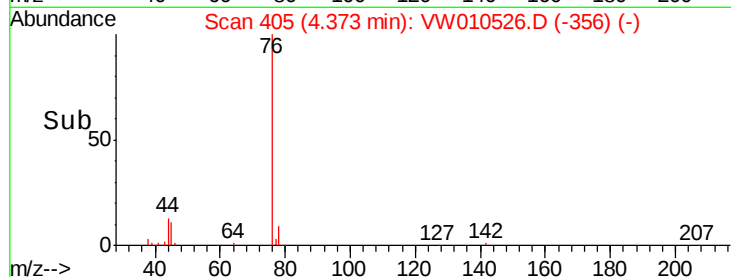
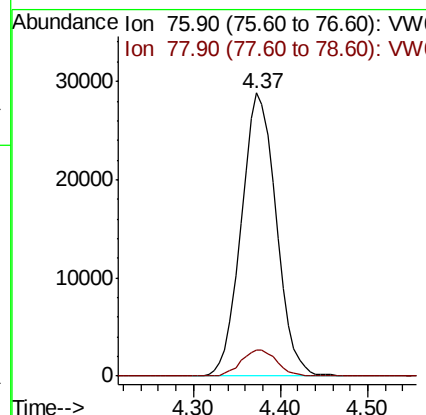
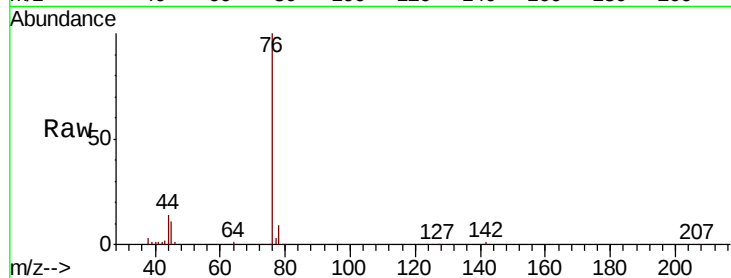




#17
Carbon Disulfide
Concen: 17.452 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

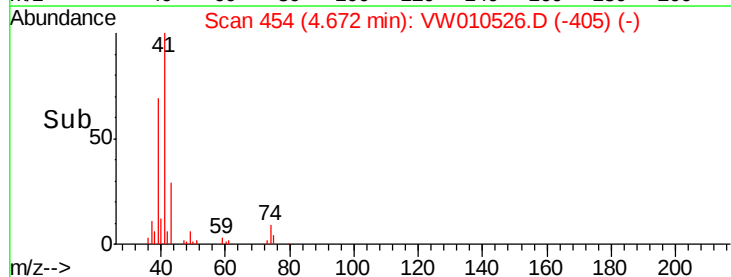
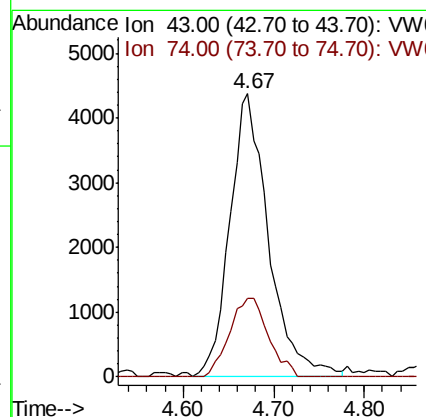
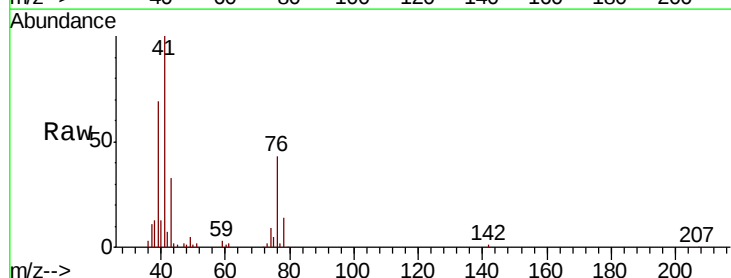
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

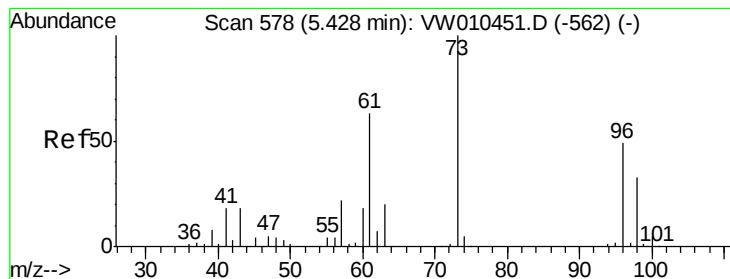
Tot Ion: 76 Resp: 79888
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 17.379 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 43 Resp: 13012
Ion Ratio Lower Upper
43 100
74 27.8 21.6 32.4



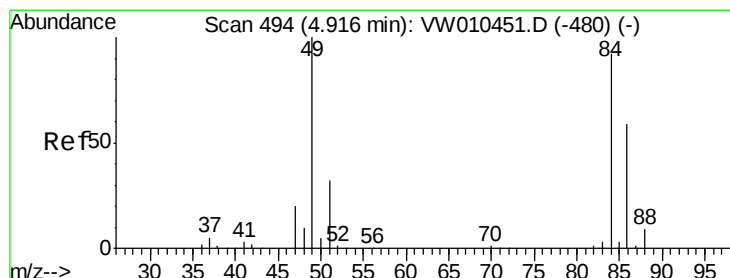
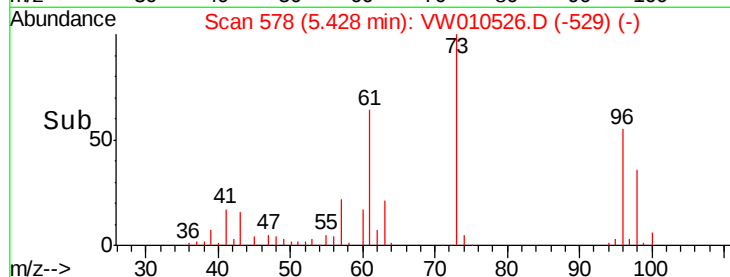
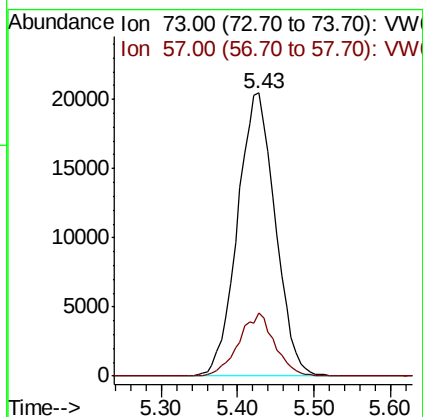
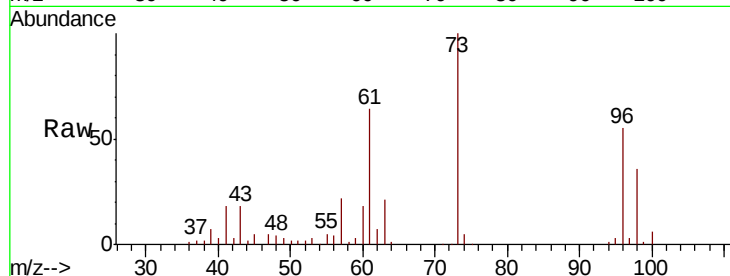


#19

Methyl tert-butyl Ether
 Concen: 17.893 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

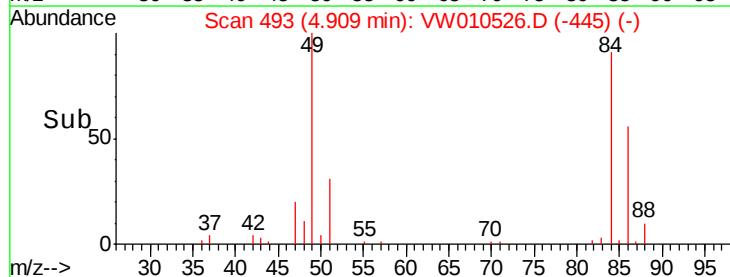
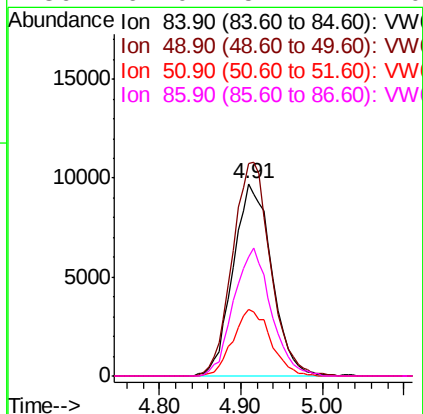
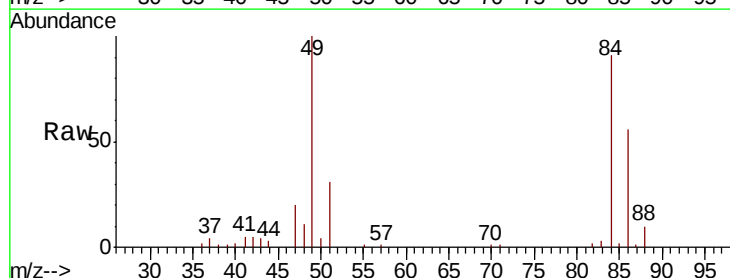
Tot Ion: 73 Resp: 70008
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.4 26.0

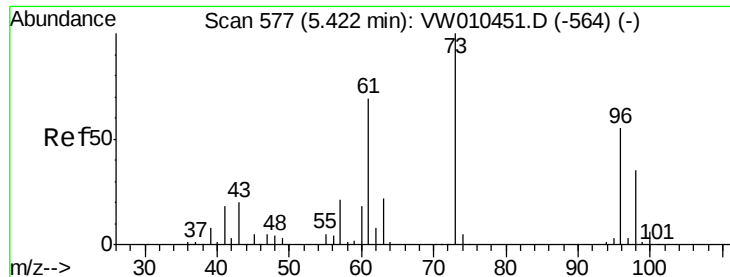


#20

Methylene Chloride
 Concen: 14.195 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 84 Resp: 32020
 Ion Ratio Lower Upper
 84 100
 49 110.5 87.2 130.8
 51 34.5 27.7 41.5
 86 62.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.563 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

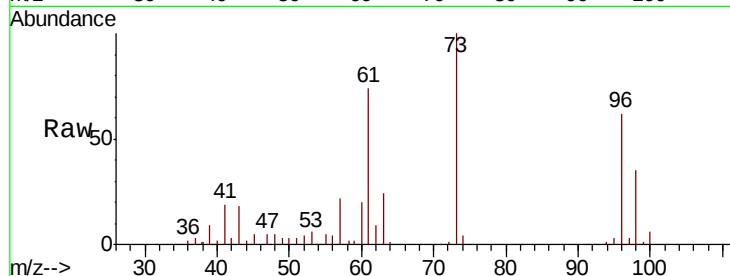
Tot Ion: 96 Resp: 34439

Ion Ratio Lower Upper

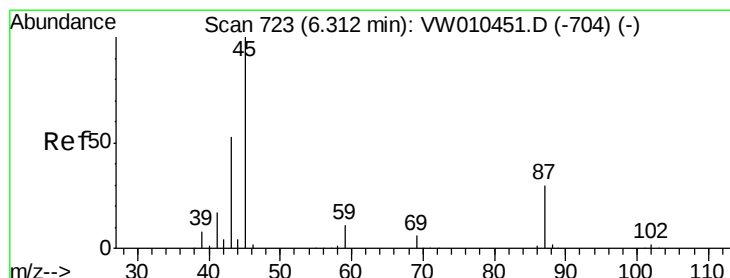
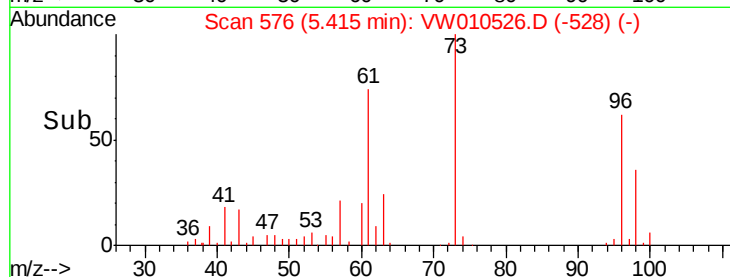
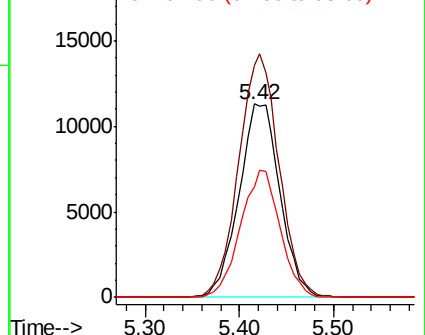
96 100

61 120.0 101.4 152.0

98 57.5 50.6 76.0



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: 18.413 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion: 45 Resp: 83872

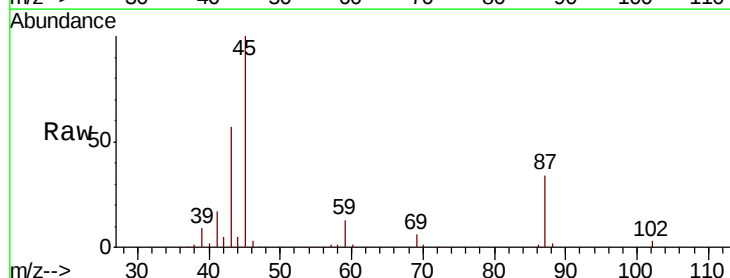
Ion Ratio Lower Upper

45 100

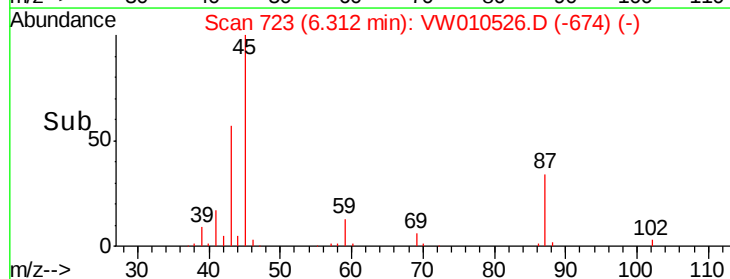
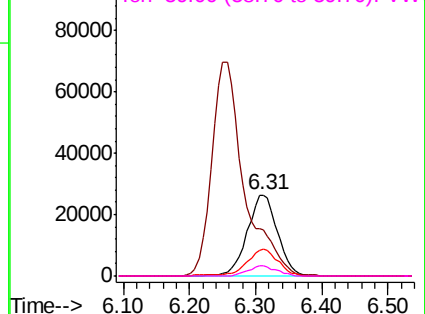
43 56.3 42.9 64.3

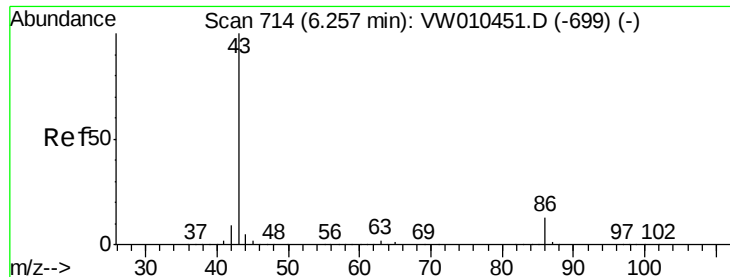
87 34.1 24.6 36.8

59 13.0 9.4 14.0



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: 87.020 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

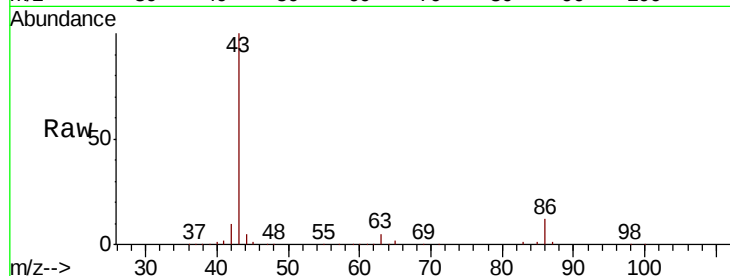
VW0523SBS01

Tot Ion: 43 Resp: 236779

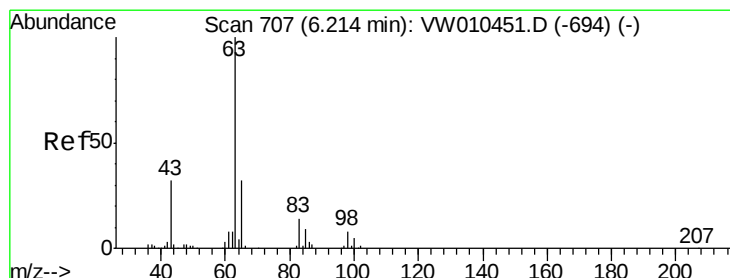
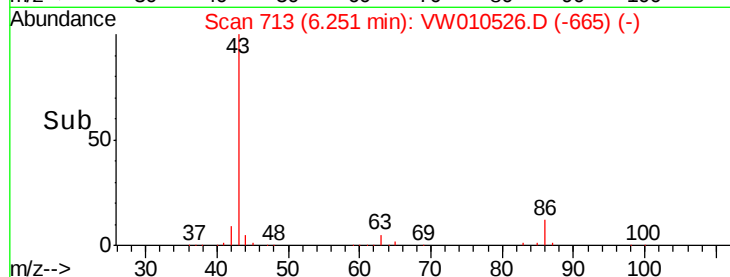
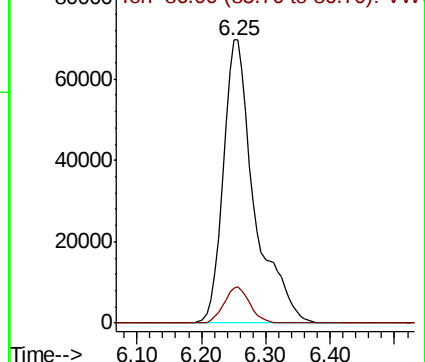
Ion Ratio Lower Upper

43 100

86 12.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.413 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

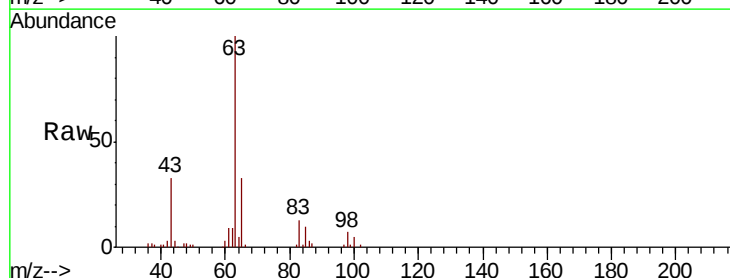
Tgt Ion: 63 Resp: 52771

Ion Ratio Lower Upper

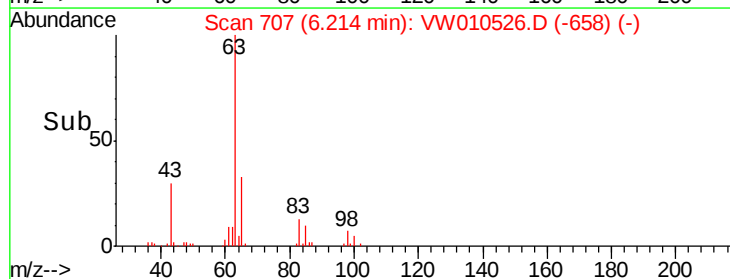
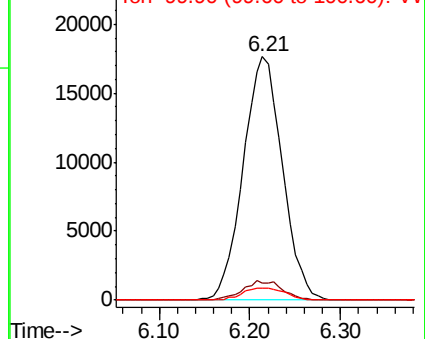
63 100

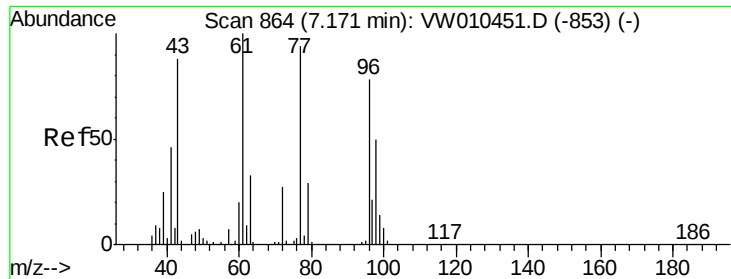
98 6.8 3.8 11.2

100 5.0 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 88.556 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

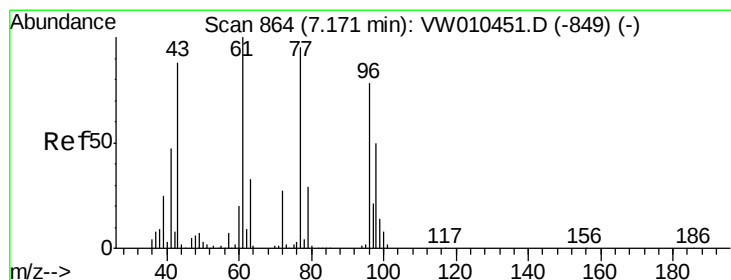
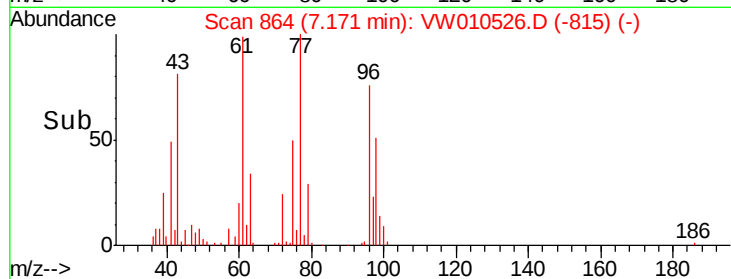
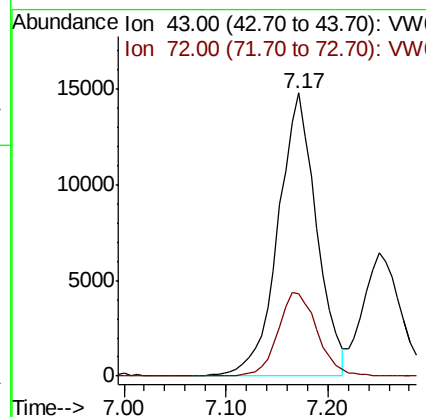
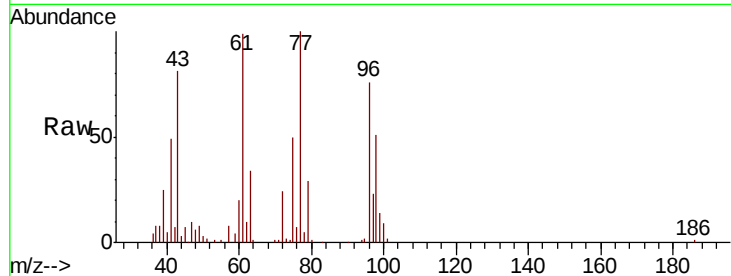
VW0523SBS01

Tot Ion: 43 Resp: 38796

Ion Ratio Lower Upper

43 100

72 29.2 24.1 36.1



#26

2,2-Dichloropropane

Concen: 22.039 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010526.D

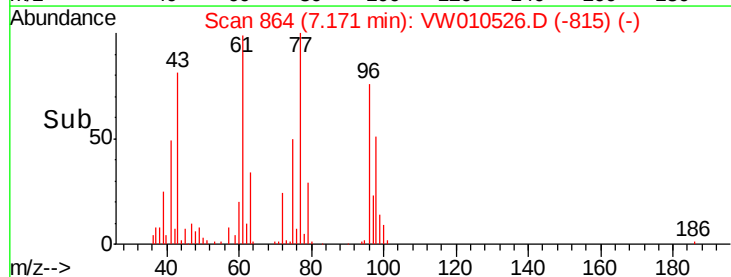
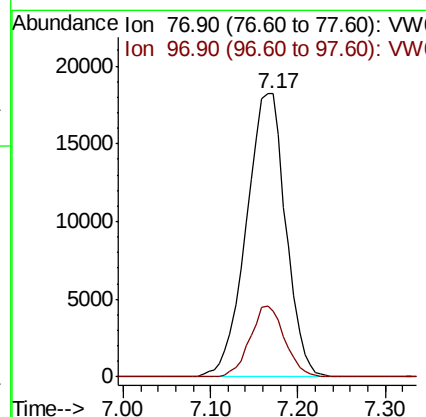
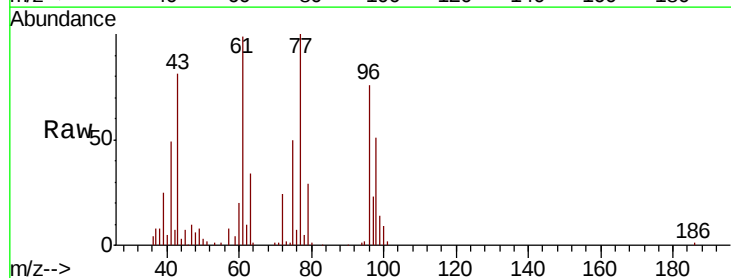
Acq: 23 May 2019 13:32

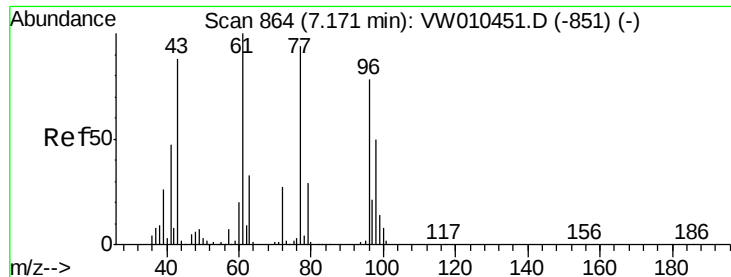
Tgt Ion: 77 Resp: 57067

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0



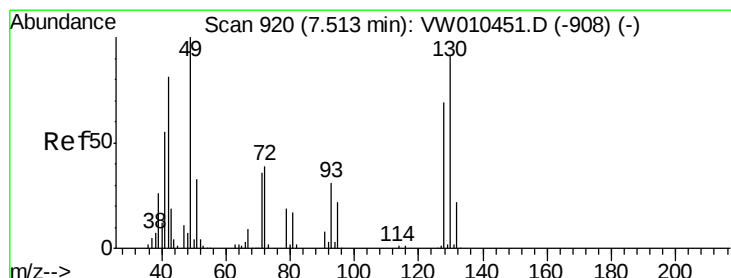
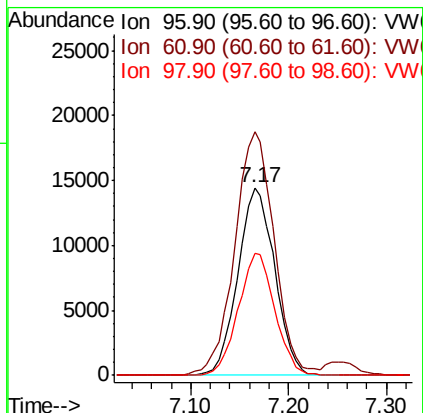
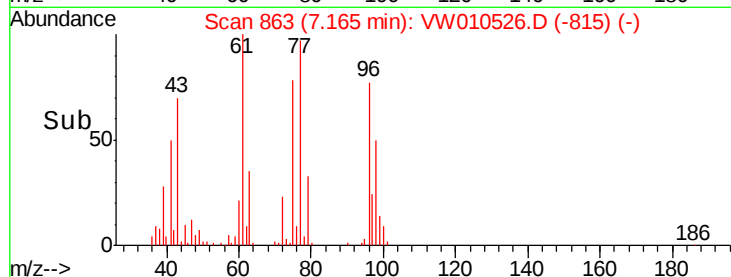
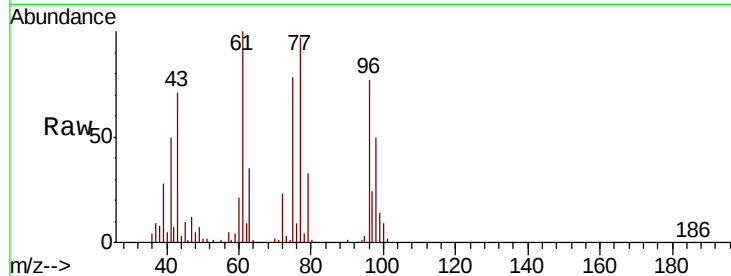


#27

cis-1,2-Dichloroethene
Concen: 19.685 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

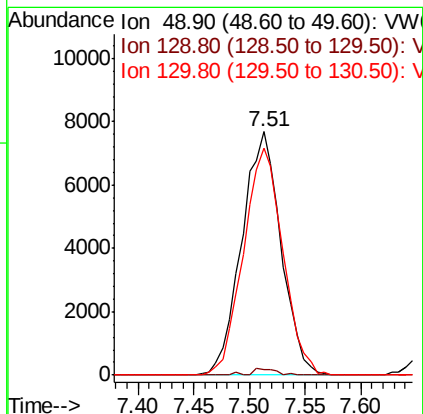
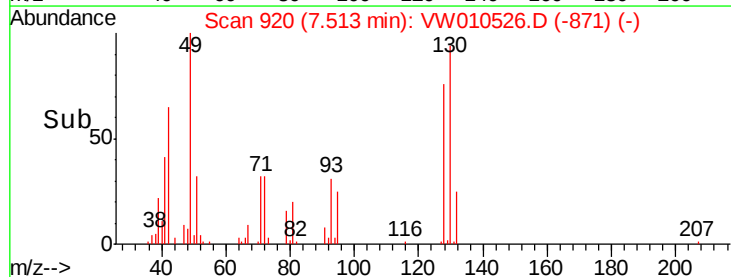
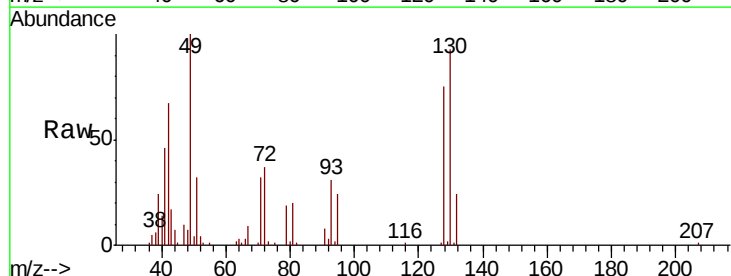
Tot Ion: 96 Resp: 37674
Ion Ratio Lower Upper
96 100
61 139.1 0.0 265.4
98 64.5 0.0 129.4

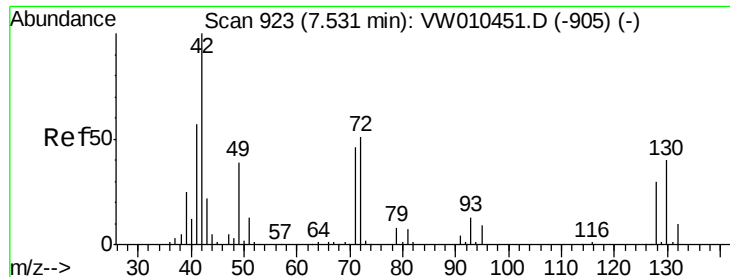


#28

Bromochloromethane
Concen: 19.373 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 49 Resp: 18855
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.8
130 93.6 71.2 106.8

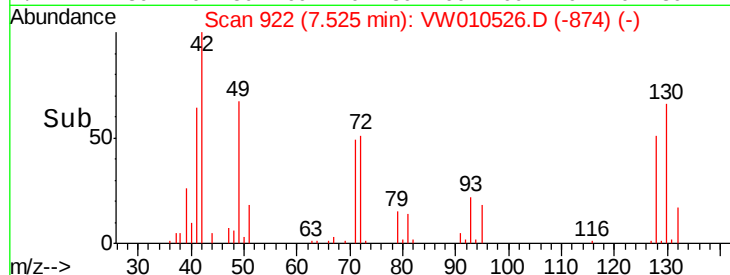
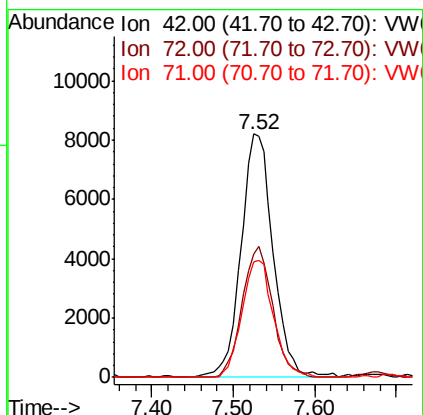
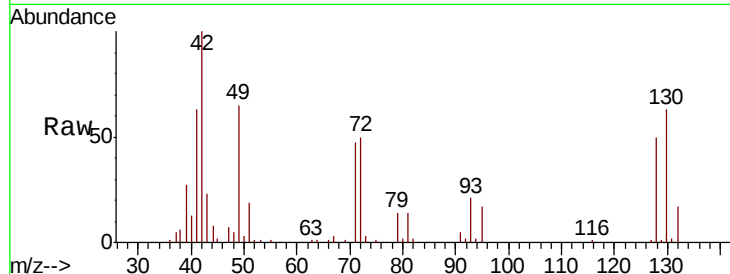




#29
Tetrahydrofuran
Concen: 75.696 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

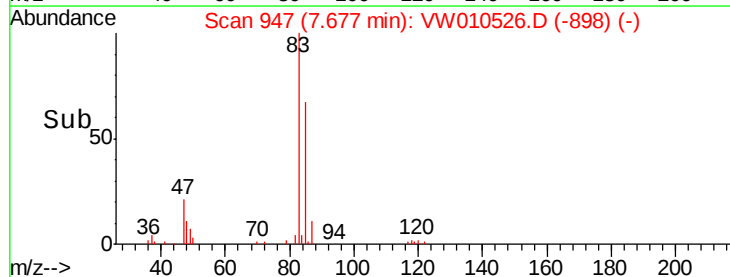
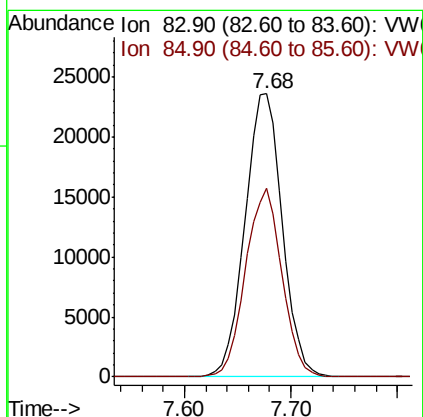
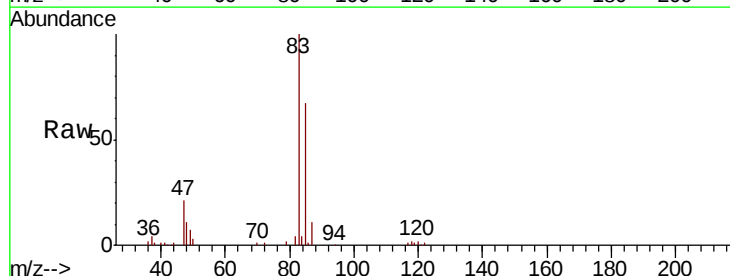
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

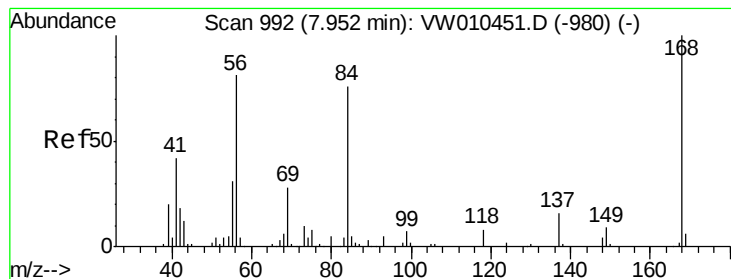
Tot Ion: 42 Resp: 22440
Ion Ratio Lower Upper
42 100
72 50.9 38.5 57.7
71 47.4 36.5 54.7



#30
Chloroform
Concen: 19.789 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 83 Resp: 58024
Ion Ratio Lower Upper
83 100
85 66.8 52.2 78.4





#31

Cyclohexane

Concen: 18.771 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

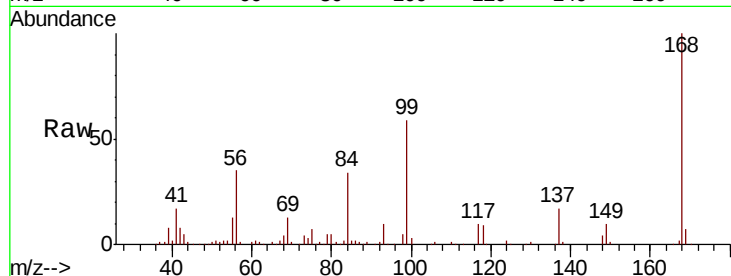
Tot Ion: 56 Resp: 53448

Ion Ratio Lower Upper

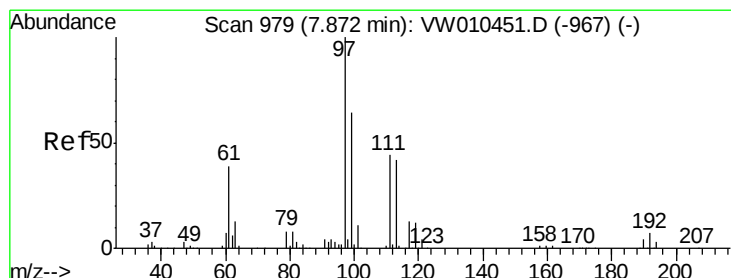
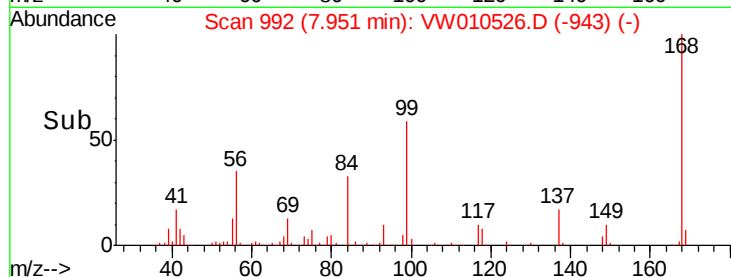
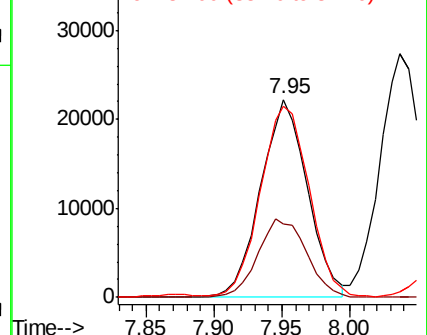
56 100

69 37.0 28.2 42.2

84 95.6 75.8 113.8



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



#32

1,1,1-Trichloroethane

Concen: 19.700 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

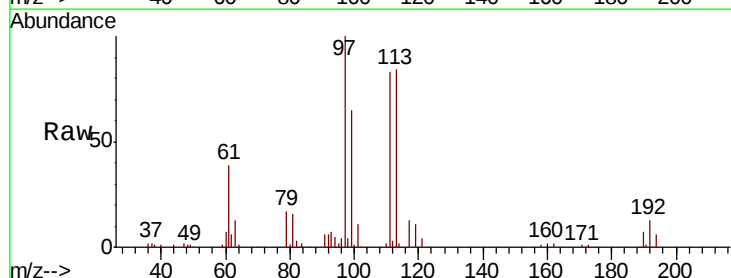
Tgt Ion: 97 Resp: 55207

Ion Ratio Lower Upper

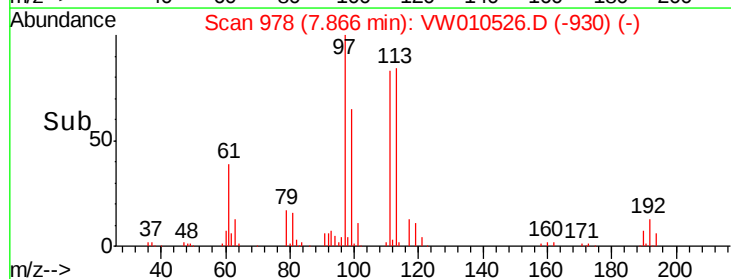
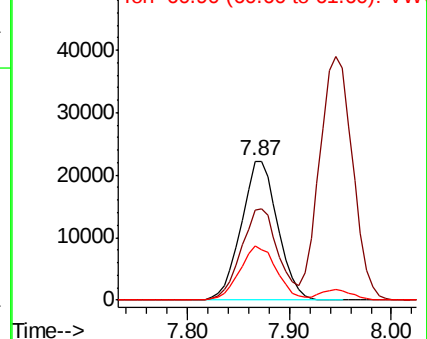
97 100

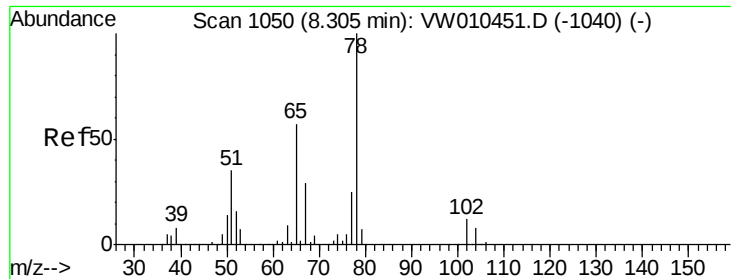
99 66.9 50.8 76.2

61 39.3 32.1 48.1



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

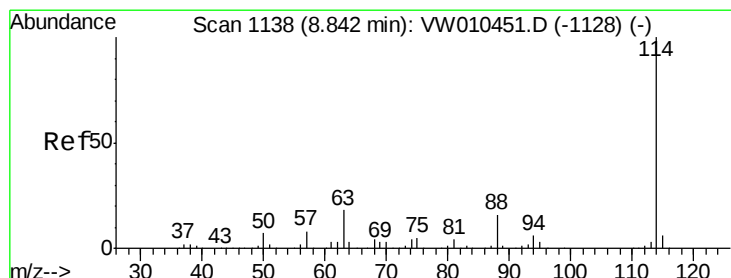
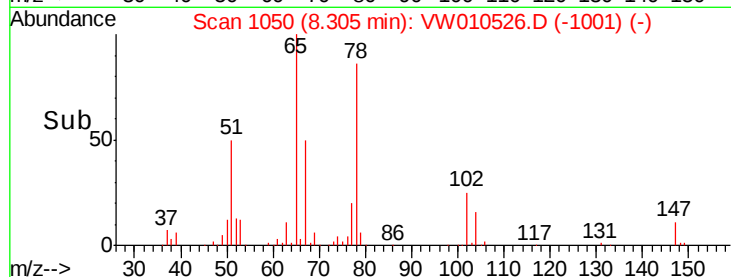
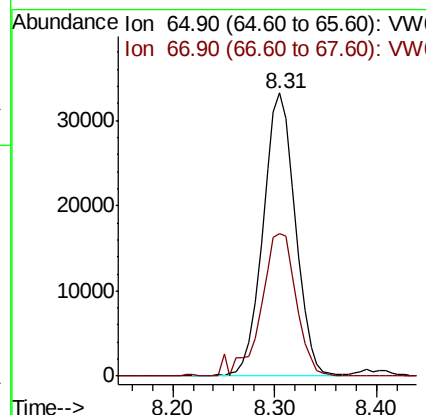
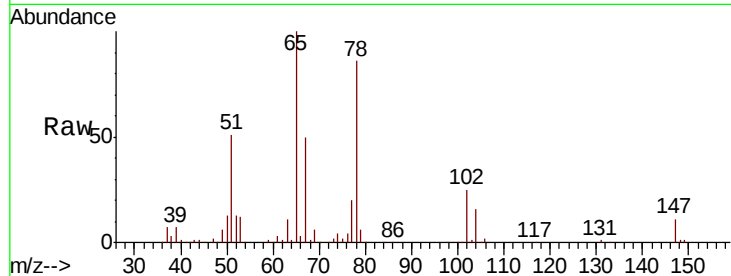




#33
 1,2-Dichloroethane-d4
 Concen: 48.629 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

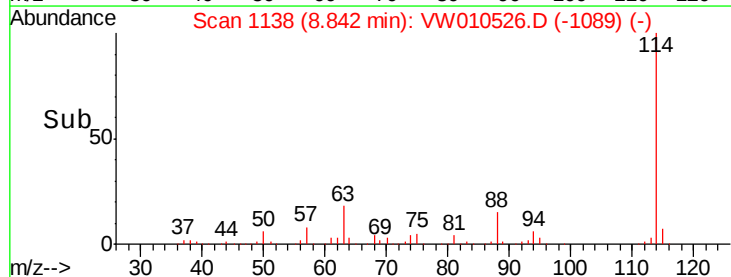
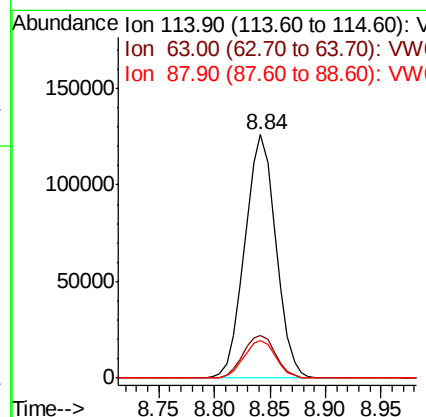
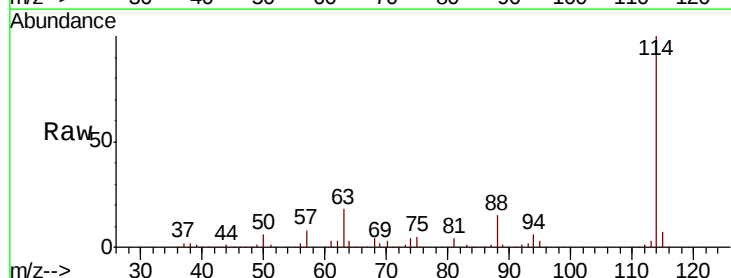
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

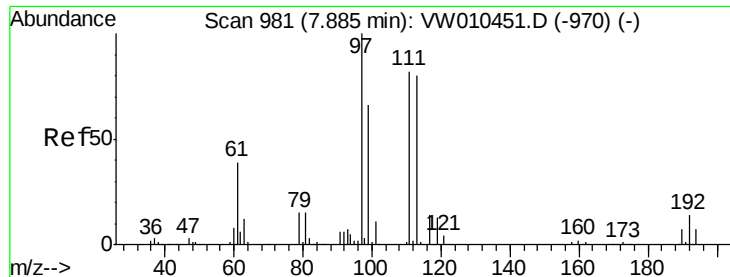
Tot Ion: 65 Resp: 72930
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 114 Resp: 245388
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.729 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

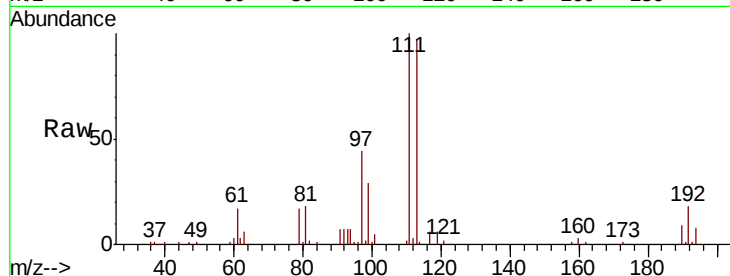
Tot Ion:113 Resp: 78511

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

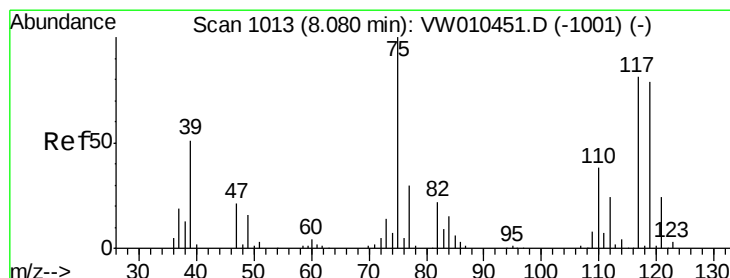
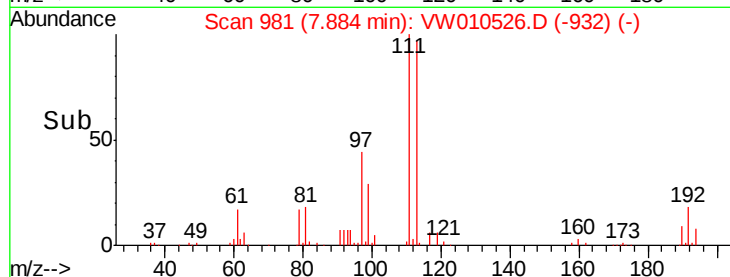
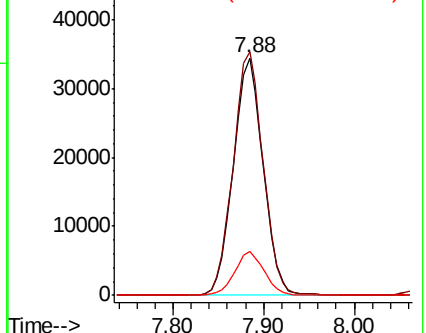
192 18.1 14.3 21.5



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: 20.531 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

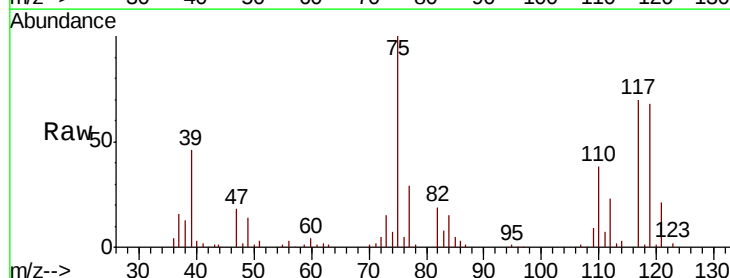
Tgt Ion: 75 Resp: 46933

Ion Ratio Lower Upper

75 100

110 38.7 19.2 57.6

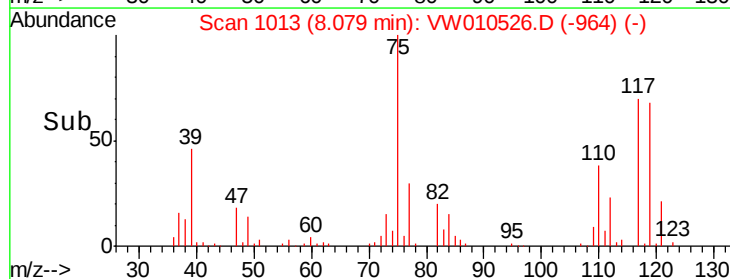
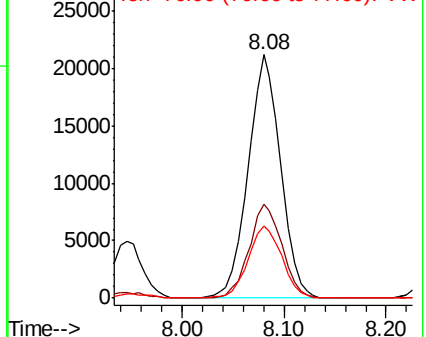
77 30.6 25.2 37.8

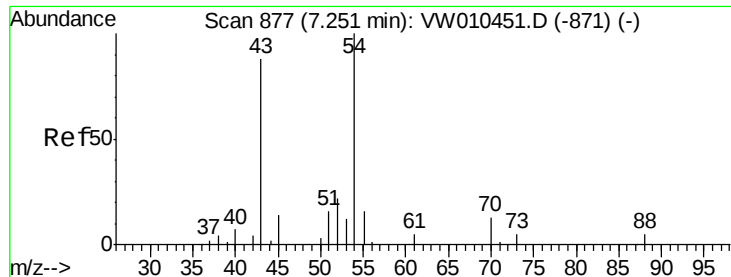


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

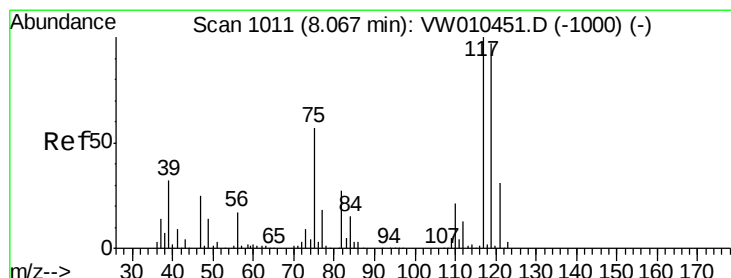
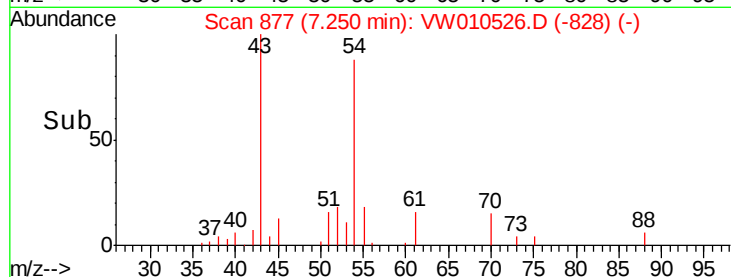
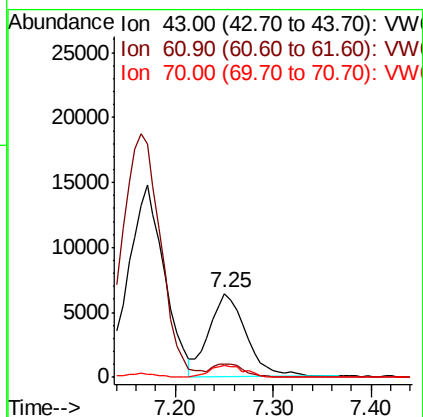
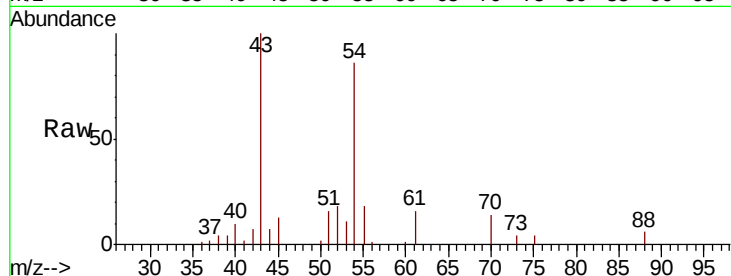




#37
Ethyl Acetate
Concen: 17.335 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

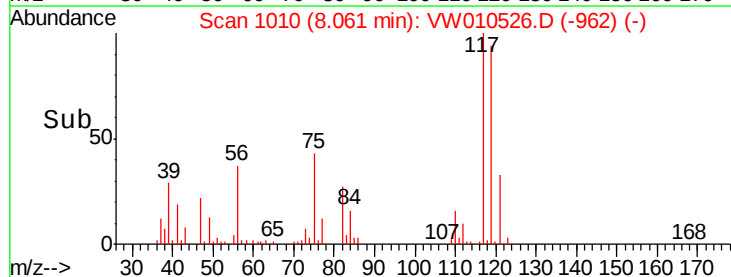
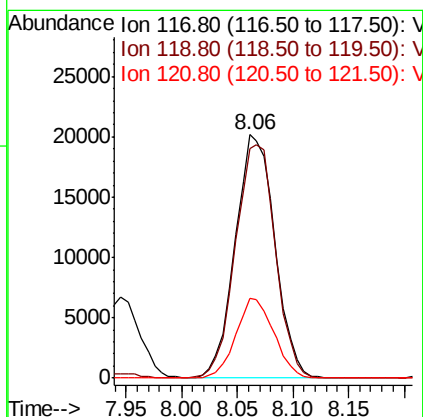
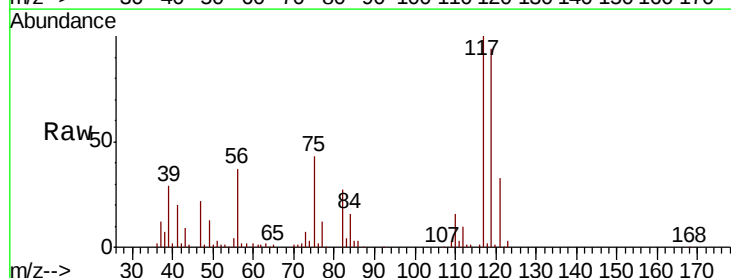
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

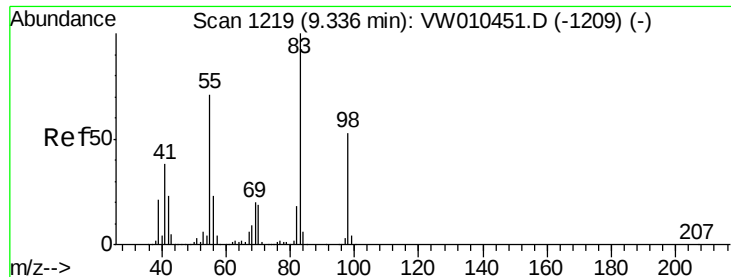
Tot Ion: 43 Resp: 16851
Ion Ratio Lower Upper
43 100
61 13.4 11.2 16.8
70 13.5 9.9 14.9



#38
Carbon Tetrachloride
Concen: 20.244 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 117 Resp: 49920
Ion Ratio Lower Upper
117 100
119 94.5 77.4 116.0
121 32.8 25.0 37.6

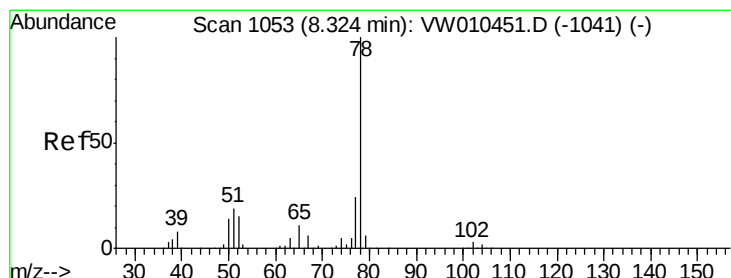
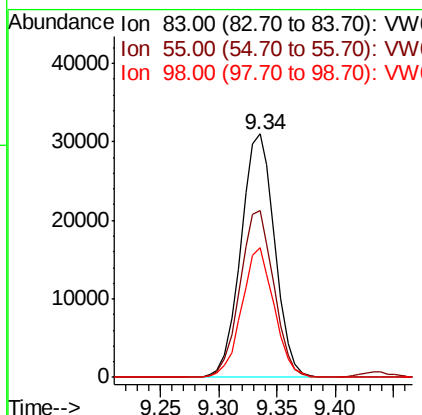
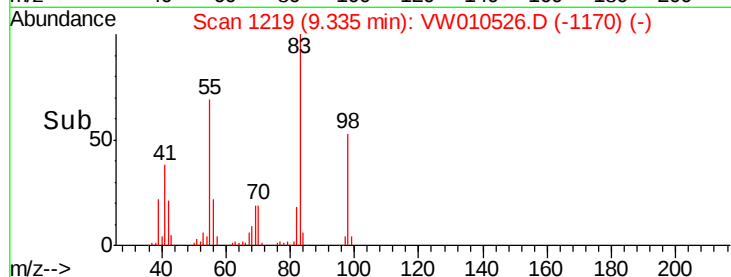
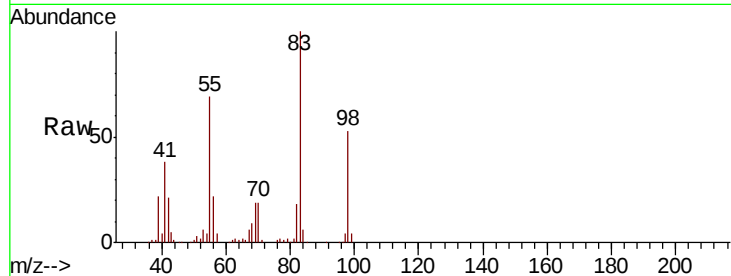




#39
Methvlcvclohexane
Concen: 20.540 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

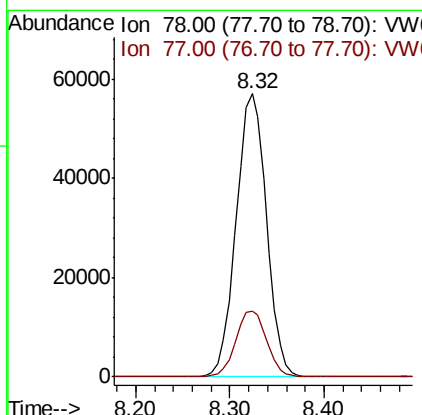
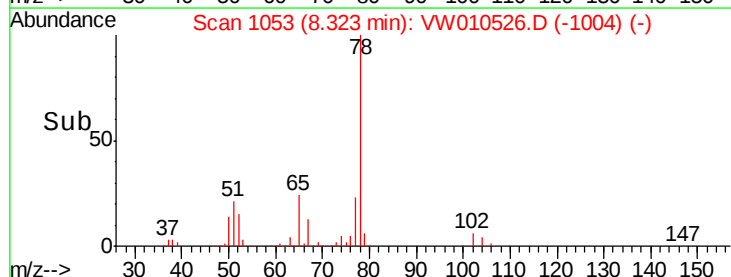
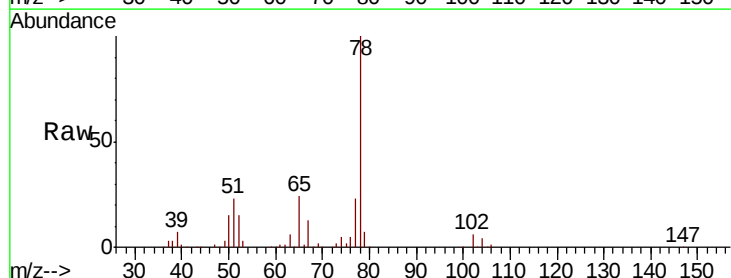
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

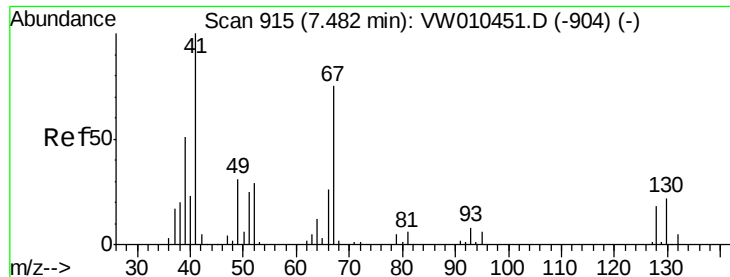
Tot Ion: 83 Resp: 62904
Ion Ratio Lower Upper
83 100
55 68.6 57.0 85.6
98 53.2 42.0 63.0



#40
Benzene
Concen: 20.131 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 78 Resp: 127904
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3

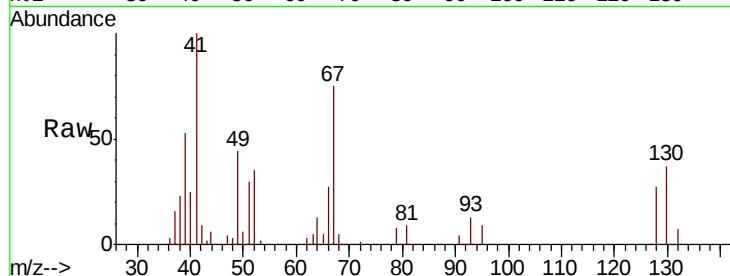




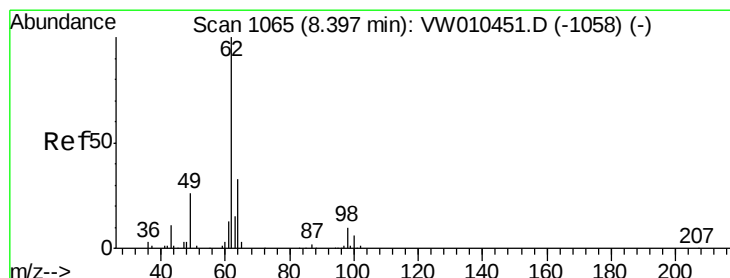
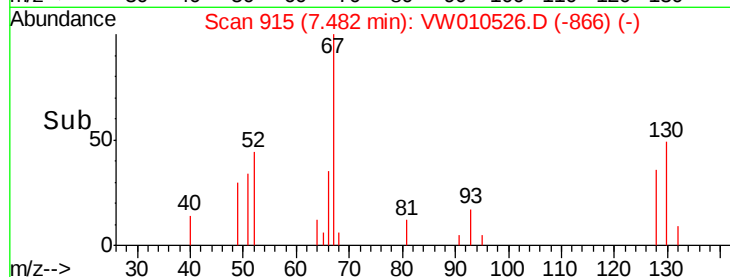
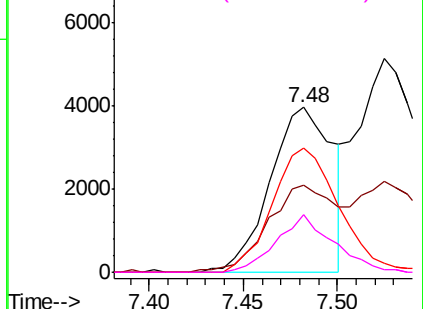
#41
Methacrylonitrile
Concen: 15.845 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion:	41	Resp:	9152
Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.4	71.2
67	80.2	65.5	98.3
52	31.6	25.0	37.4

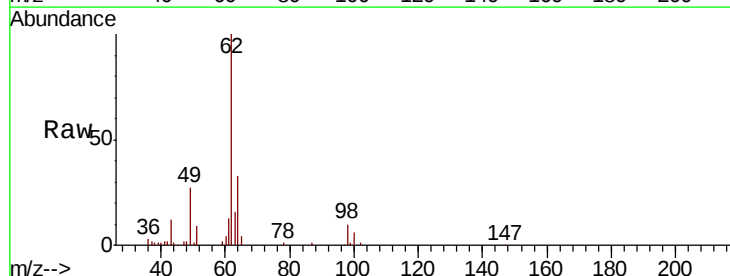


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

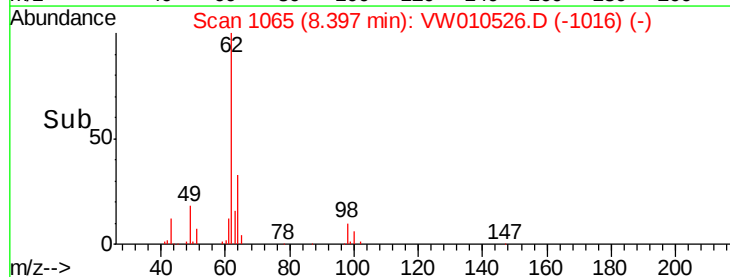
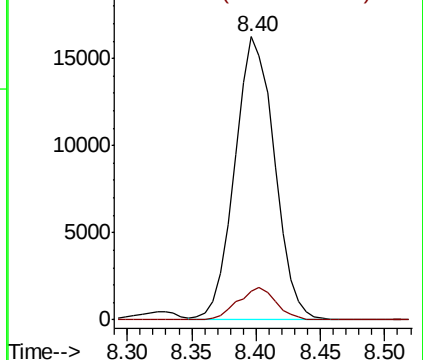


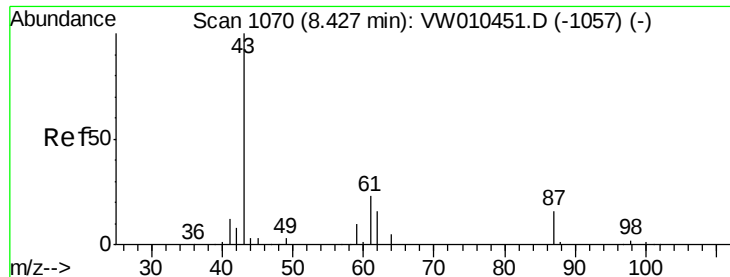
#42
1,2-Dichloroethane
Concen: 19.151 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion:	62	Resp:	34776
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 16.786 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

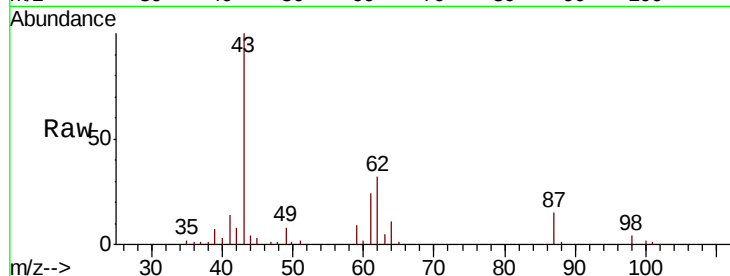
Tot Ion: 43 Resp: 32598

Ion Ratio Lower Upper

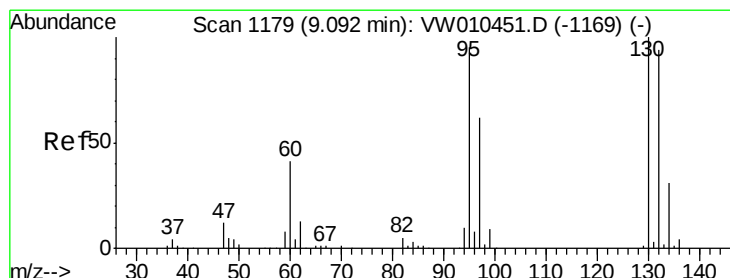
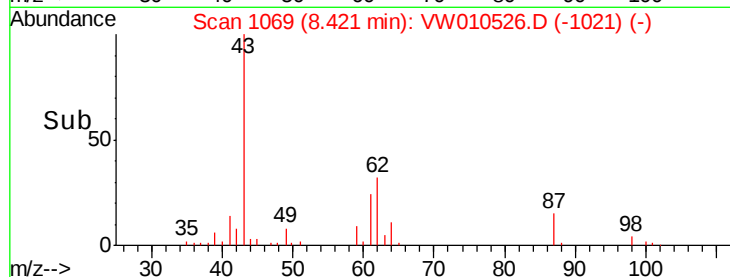
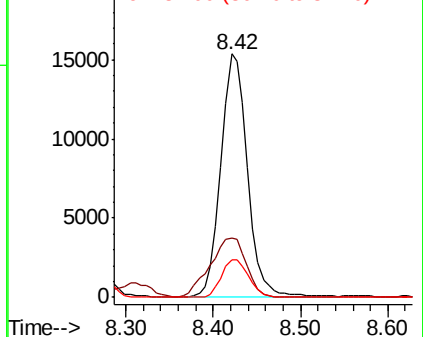
43 100

61 33.1 25.4 38.2

87 15.6 12.7 19.1



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: 20.304 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010526.D

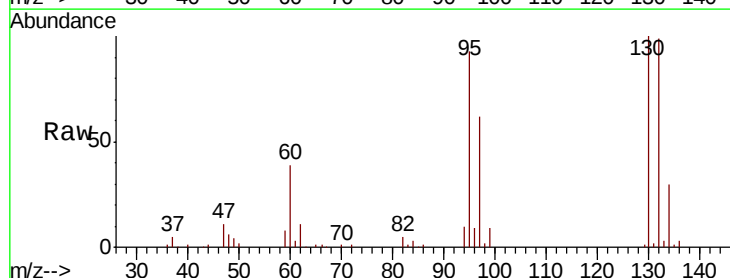
Acq: 23 May 2019 13:32

Tgt Ion: 130 Resp: 38298

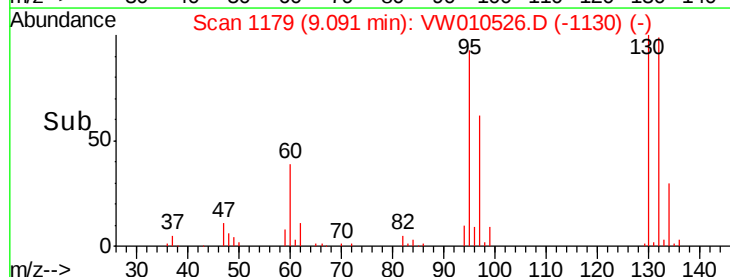
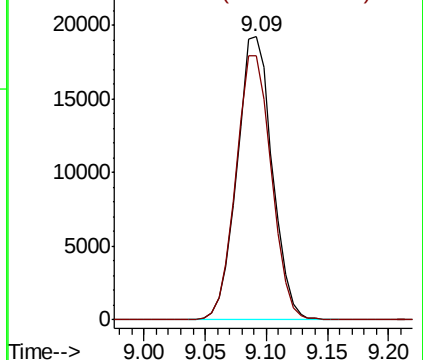
Ion Ratio Lower Upper

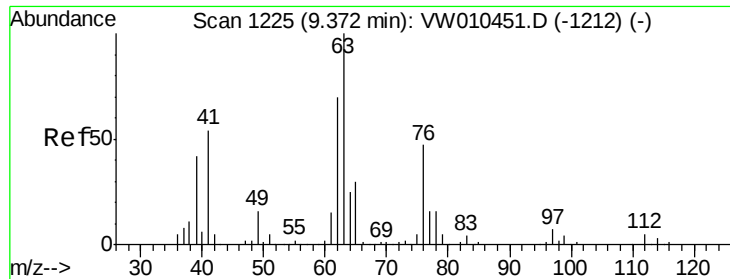
130 100

95 93.3 0.0 189.6



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

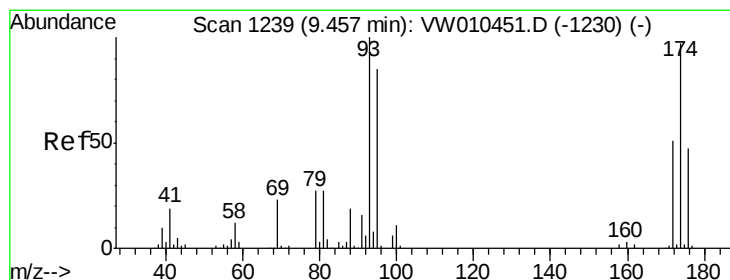
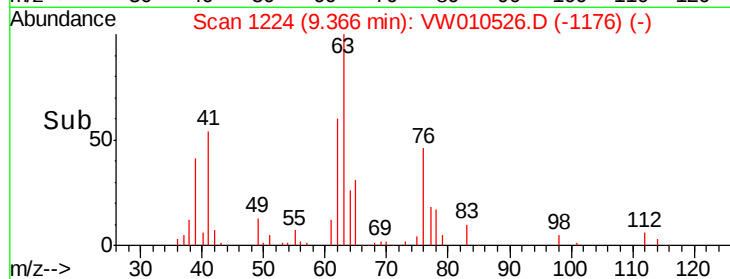
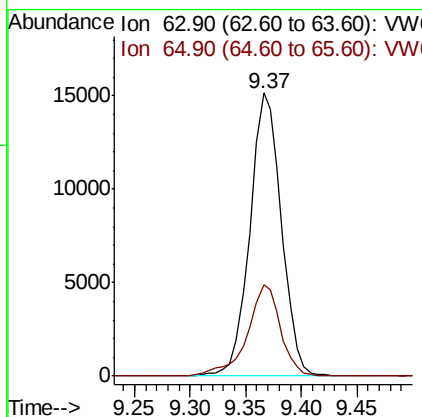
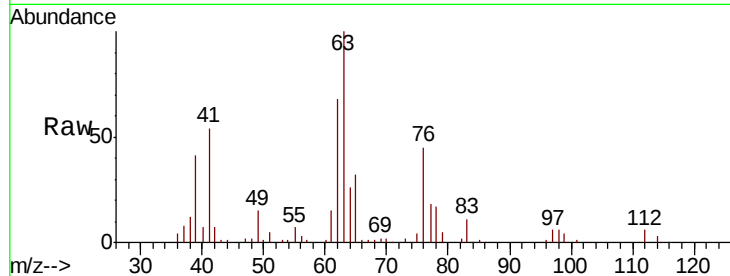




#45
 1,2-Dichloropropane
 Concen: 19.770 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

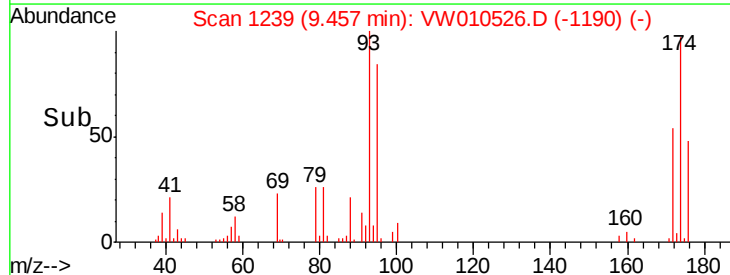
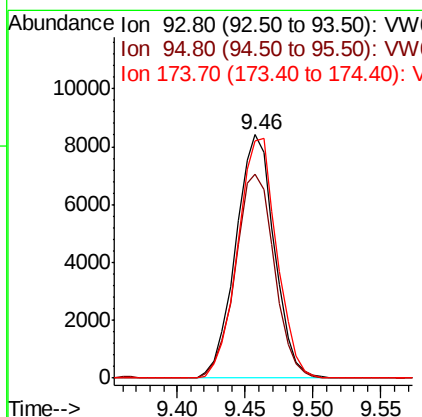
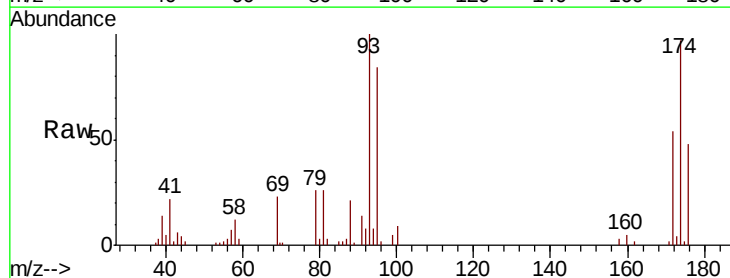
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion: 63 Resp: 29832
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.3 36.5



#46
 Dibromomethane
 Concen: 18.875 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 93 Resp: 16657
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.1 99.1
 174 99.8 77.1 115.7

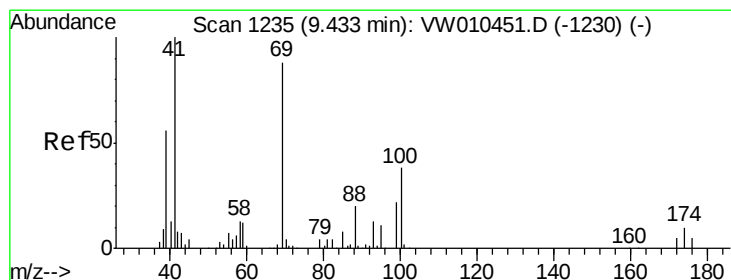
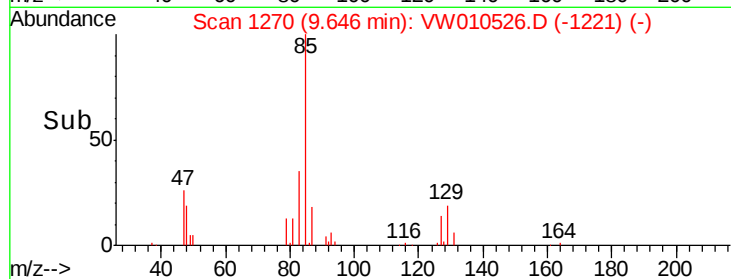
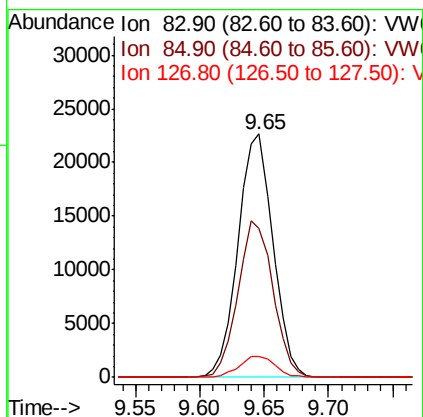
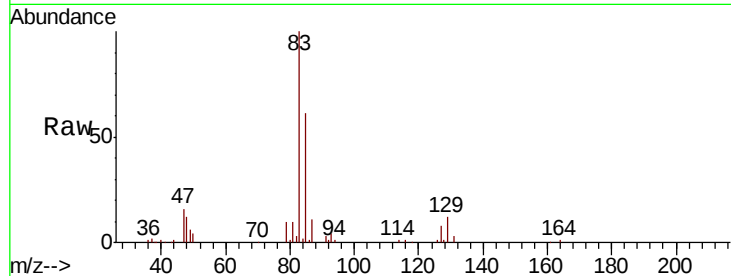




#47
 Bromodichloromethane
 Concen: 19.211 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

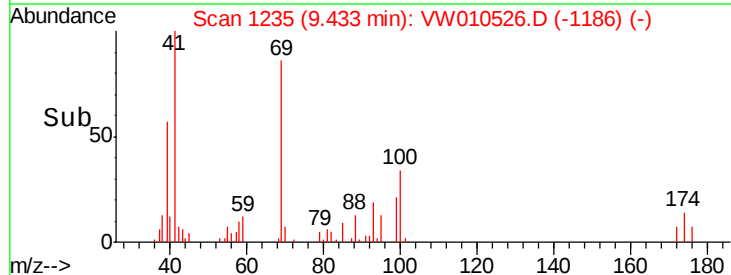
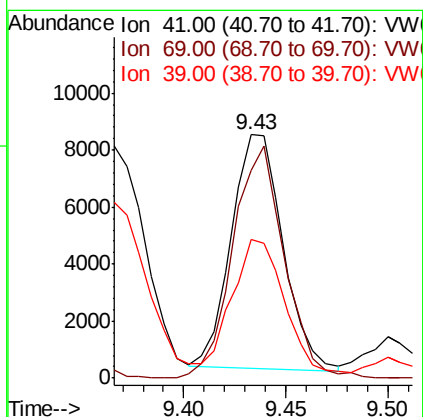
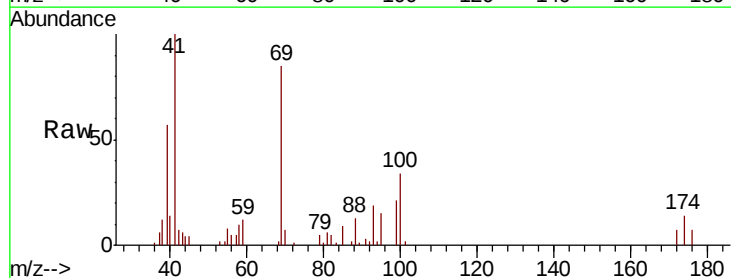
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

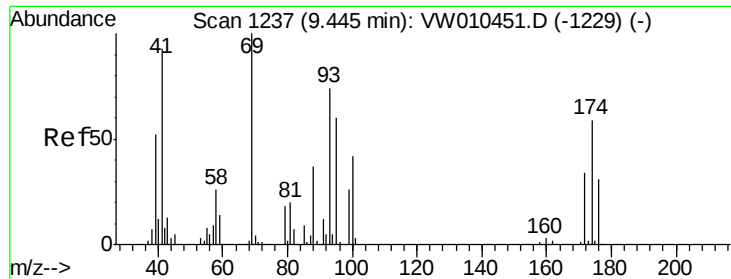
Tot Ion: 83 Resp: 42602
 Ion Ratio Lower Upper
 83 100
 85 61.2 50.4 75.6
 127 8.3 7.4 11.0



#48
 Methyl methacrylate
 Concen: 16.268 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 41 Resp: 14453
 Ion Ratio Lower Upper
 41 100
 69 99.2 77.6 116.4
 39 56.1 49.8 74.8

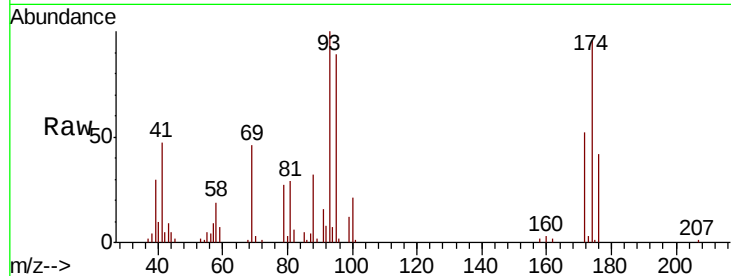




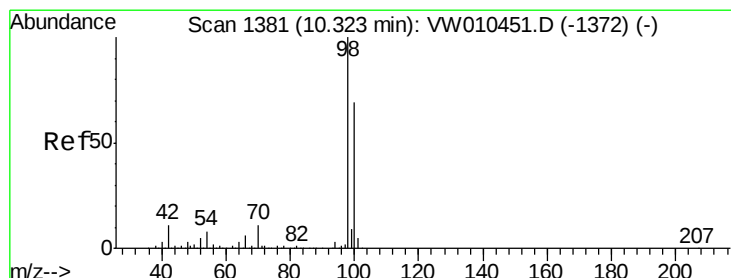
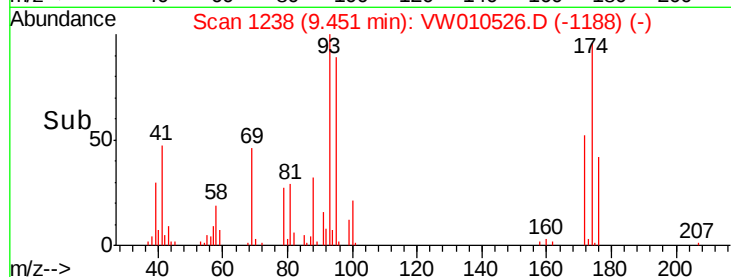
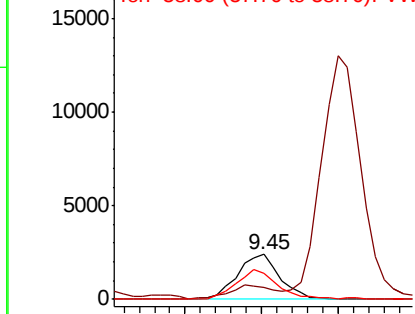
#49
1,4-Dioxane
Concen: 319.929 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion: 88 Resp: 4612
Ion Ratio Lower Upper
88 100
43 33.5 25.9 38.9
58 64.8 52.7 79.1

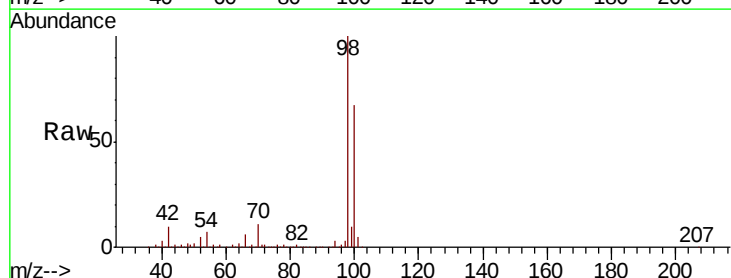


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

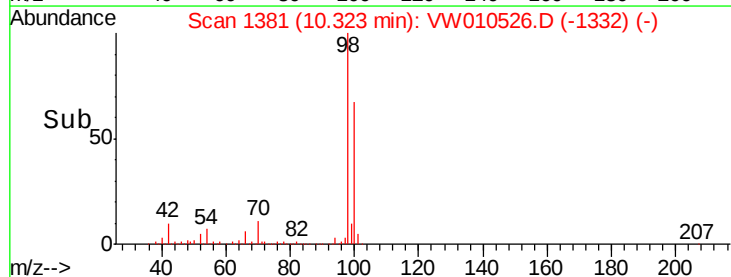
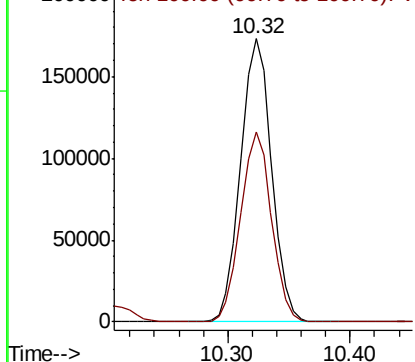


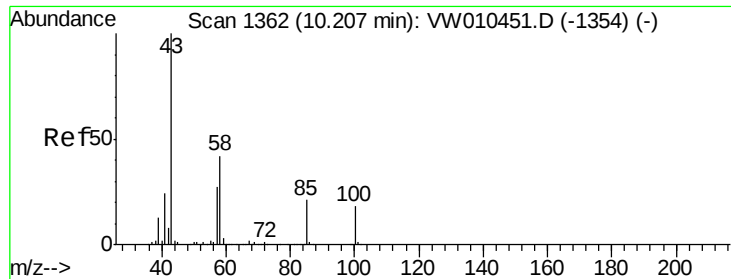
#50
Toluene-d8
Concen: 53.606 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 98 Resp: 304922
Ion Ratio Lower Upper
98 100
100 66.8 53.7 80.5



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: 83.525 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

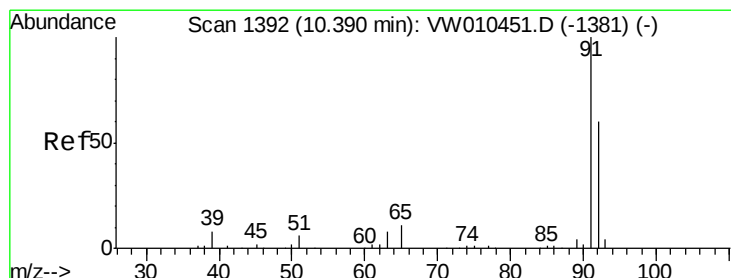
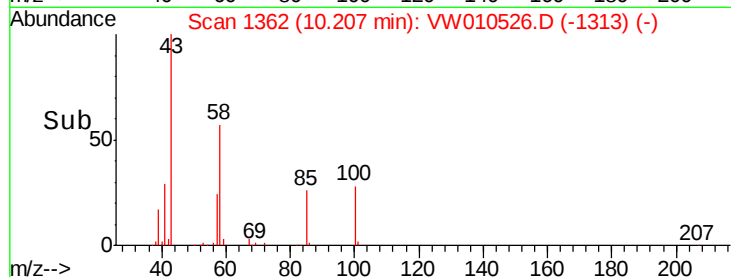
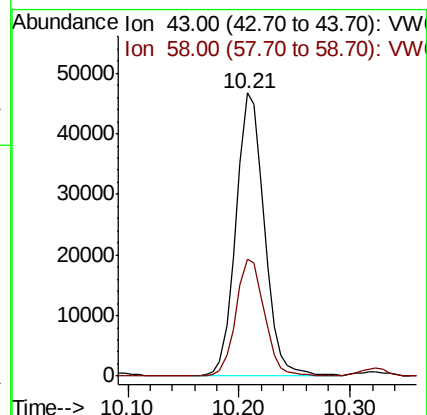
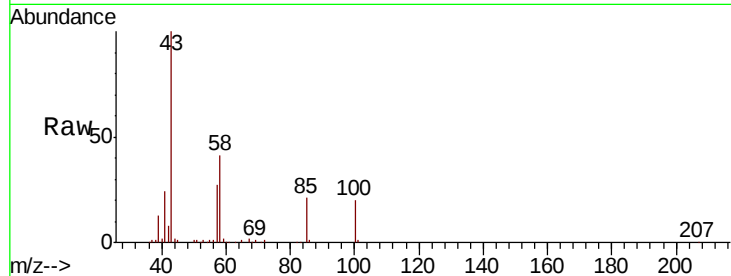
VW0523SBS01

Tot Ion: 43 Resp: 82193

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



#52

Toluene

Concen: 20.463 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010526.D

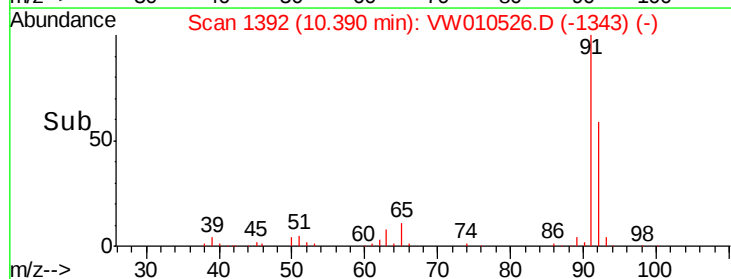
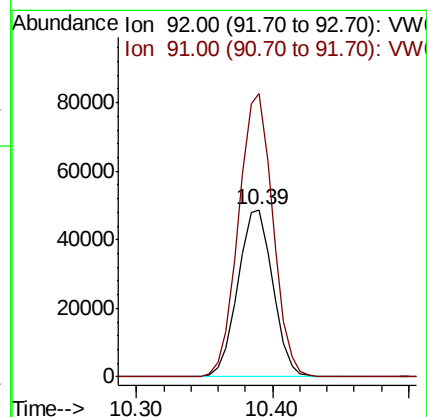
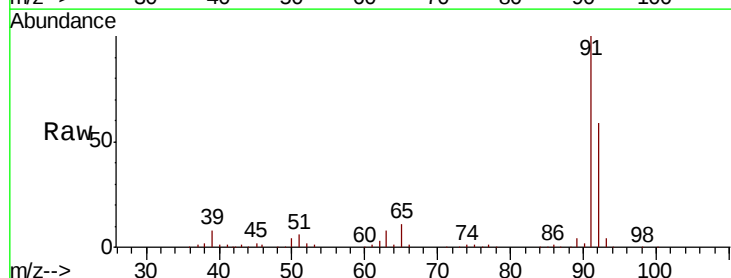
Acq: 23 May 2019 13:32

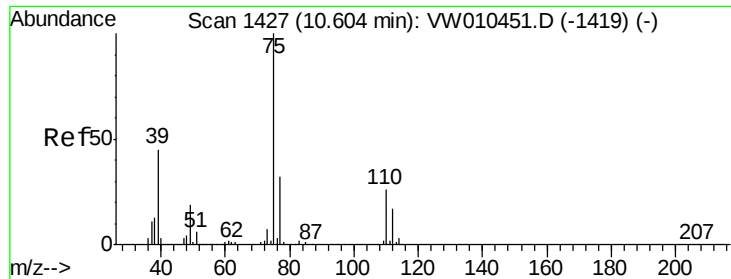
Tgt Ion: 92 Resp: 87314

Ion Ratio Lower Upper

92 100

91 167.1 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 18.385 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampled :

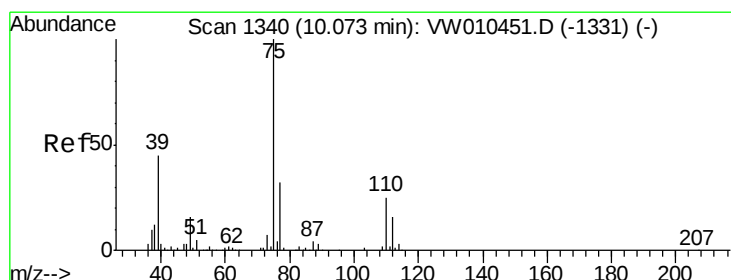
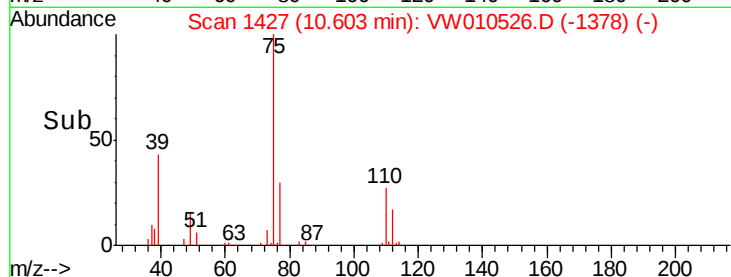
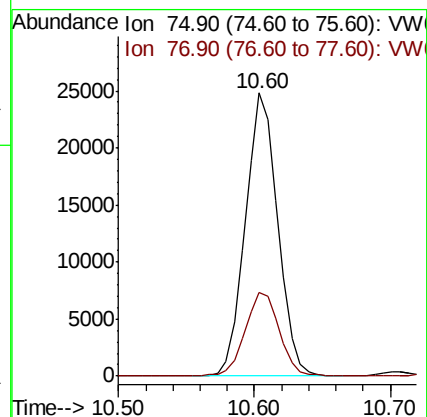
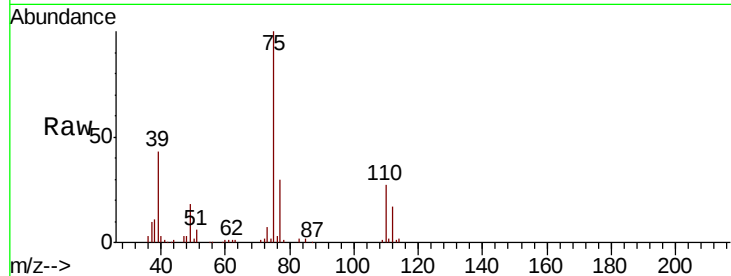
VW0523SBS01

Tot Ion: 75 Resp: 41292

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.403 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

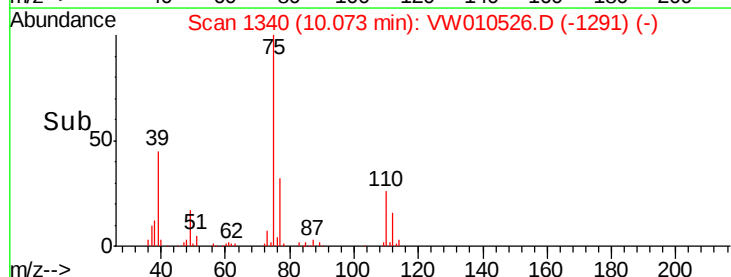
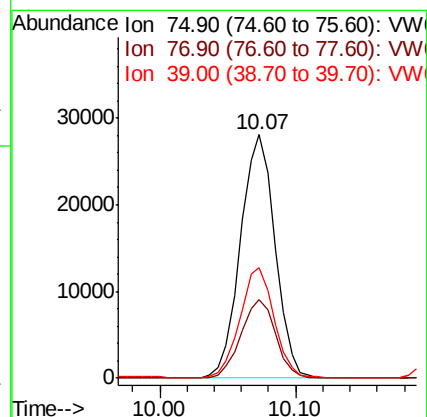
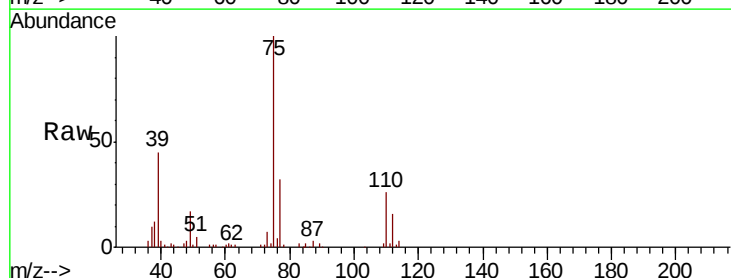
Tgt Ion: 75 Resp: 49770

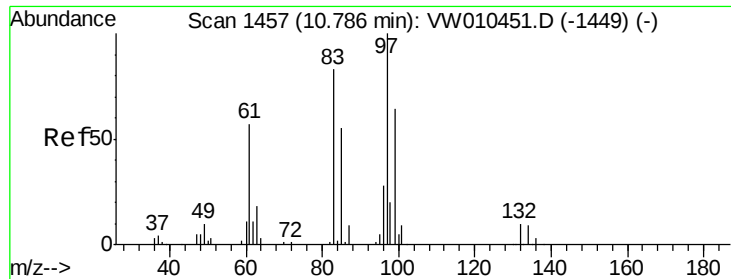
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 45.4 36.2 54.4

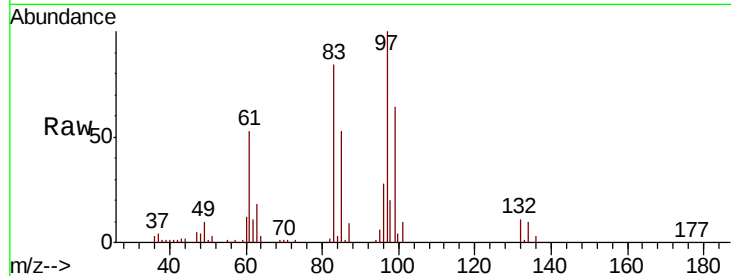




#55
 1,1,2-Trichloroethane
 Concen: 18.850 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion:	97	Resp:	23921
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.1	99.1
85	53.2	44.2	66.4
99	63.5	51.1	76.7



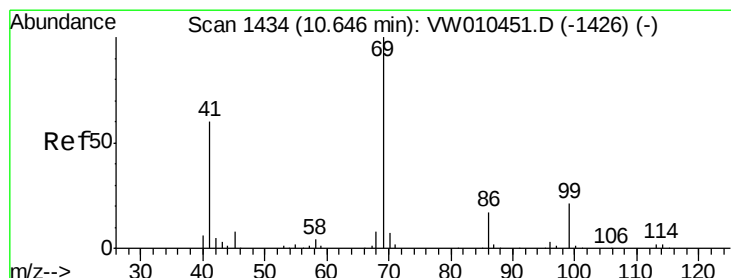
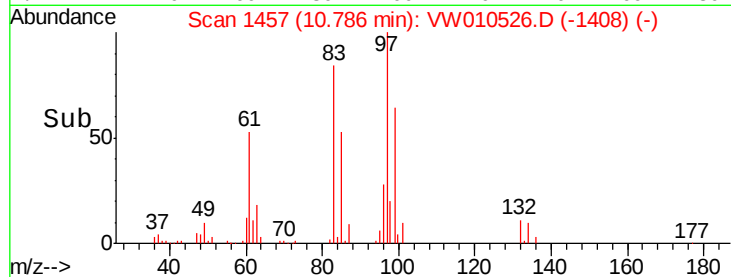
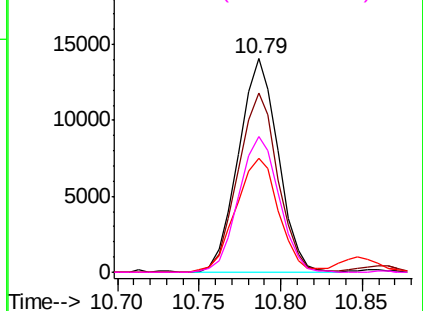
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

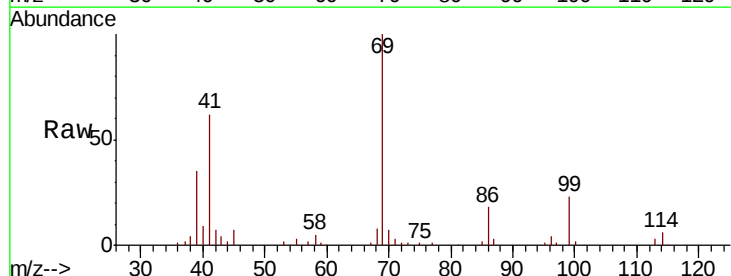
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 16.624 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion:	69	Resp:	29094
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.7	71.5
39	32.4	25.3	37.9

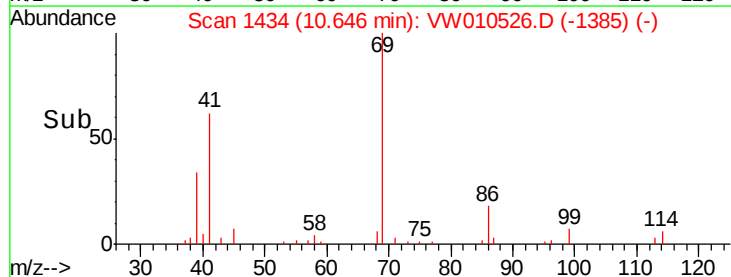
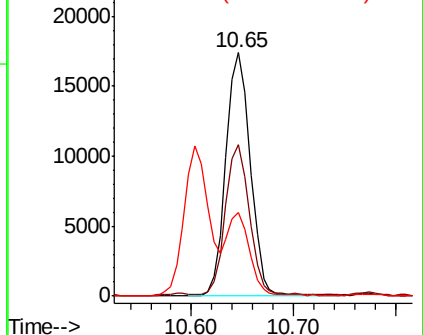


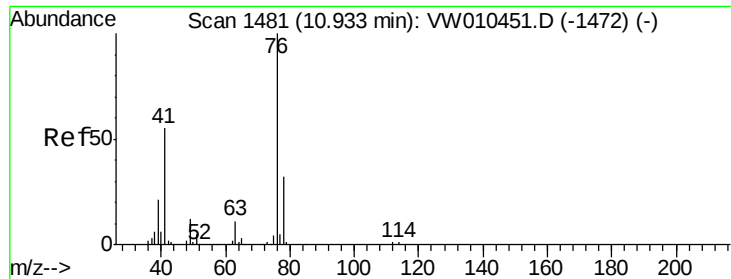
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

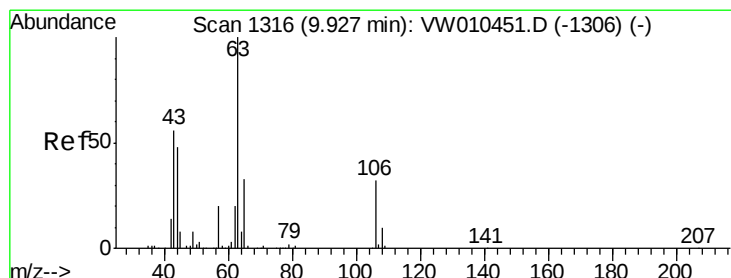
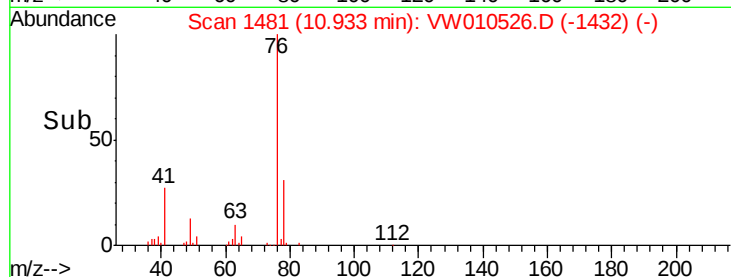
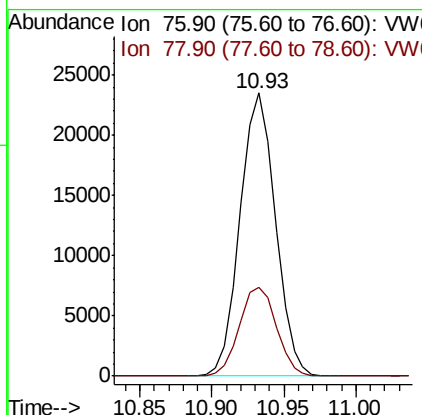
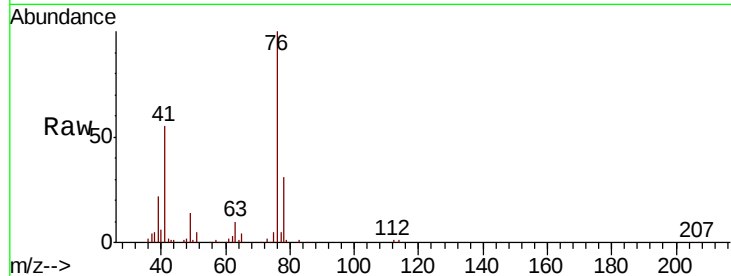




#57
 1,3-Dichloropropane
 Concen: 18.842 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

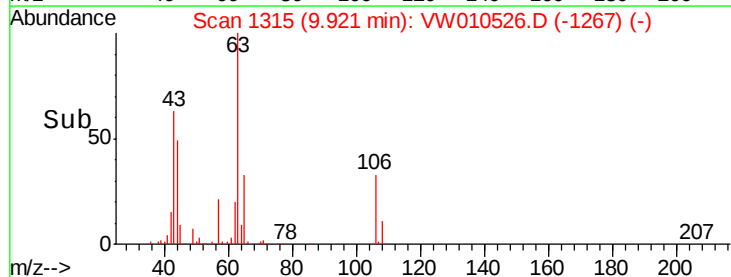
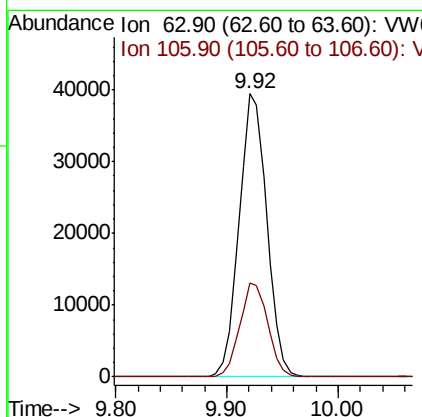
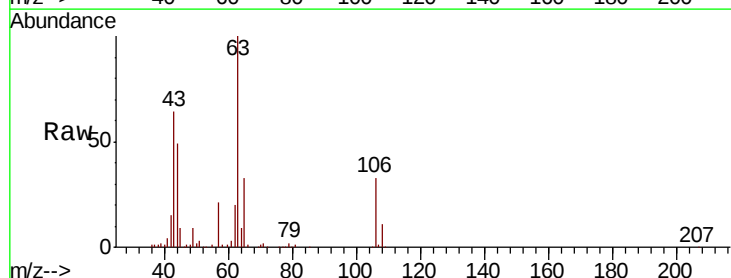
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

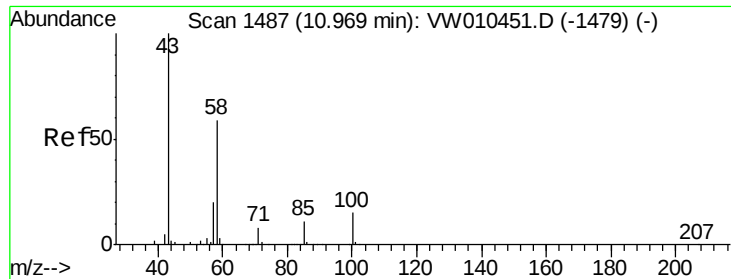
Tot Ion: 76 Resp: 40052
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.985 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 63 Resp: 68206
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.8 38.6

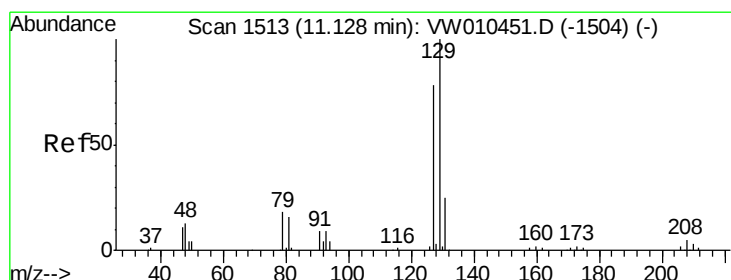
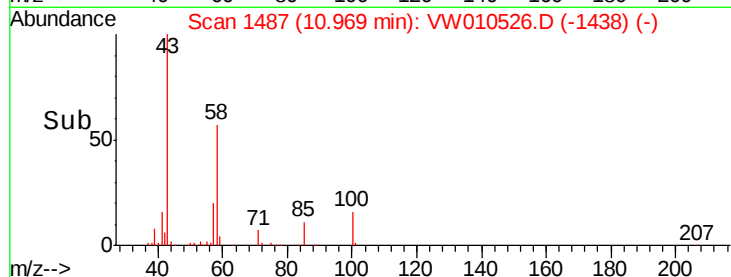
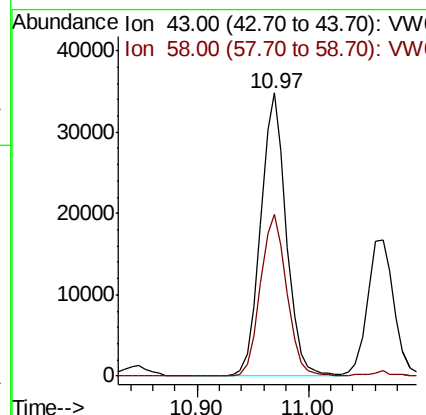
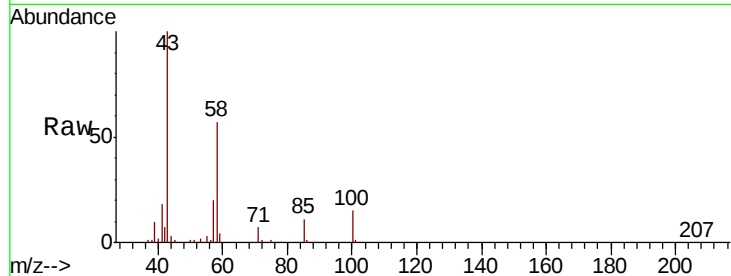




#59
2-Hexanone
Concen: 79.615 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

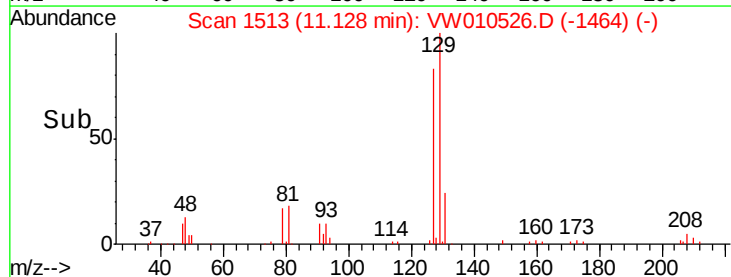
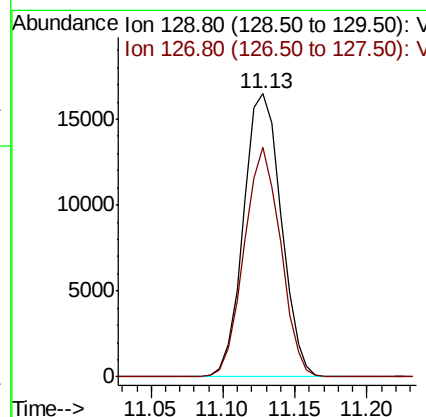
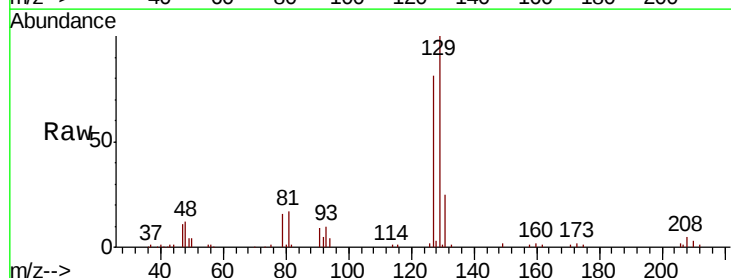
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion: 43 Resp: 55888
Ion Ratio Lower Upper
43 100
58 58.7 28.9 86.8



#60
Dibromochloromethane
Concen: 18.603 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 129 Resp: 29878
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7

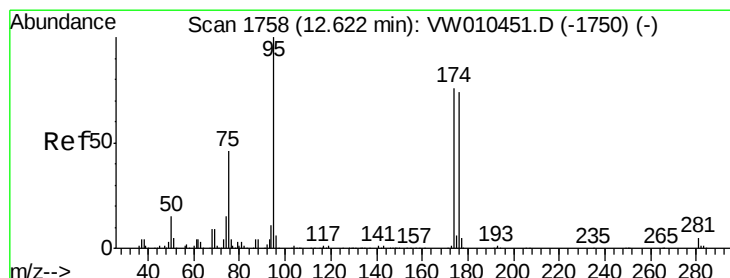
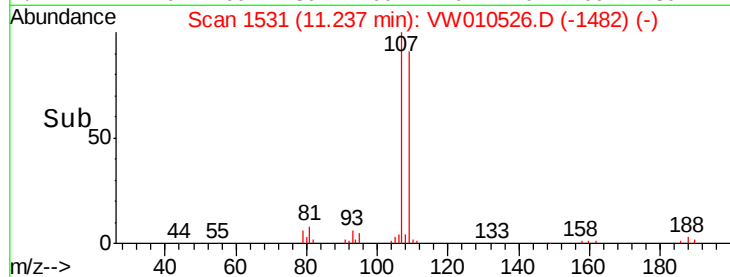
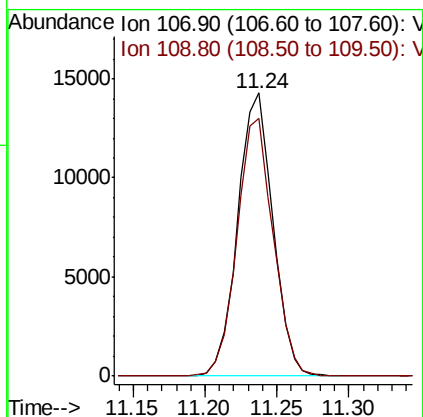
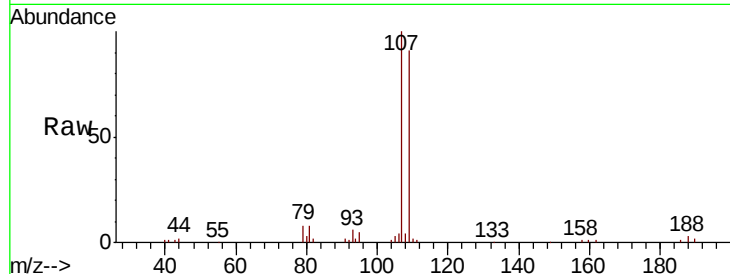




#61
 1,2-Dibromoethane
 Concen: 18.854 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

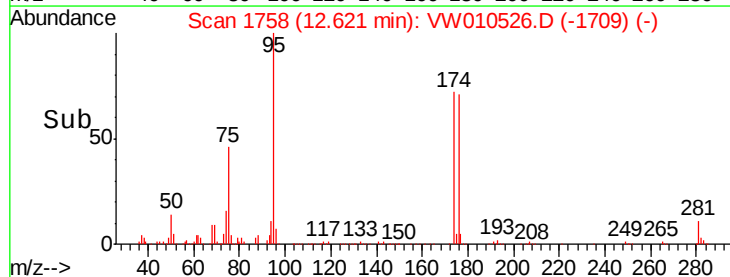
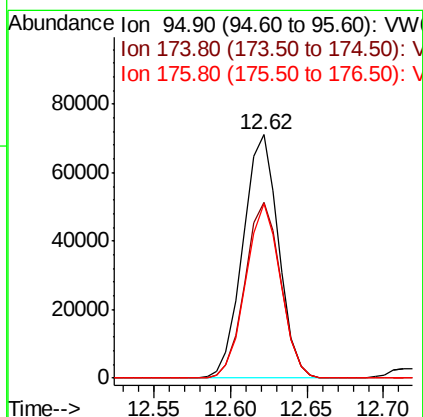
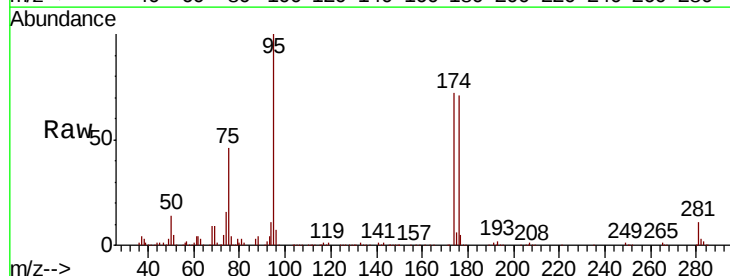
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

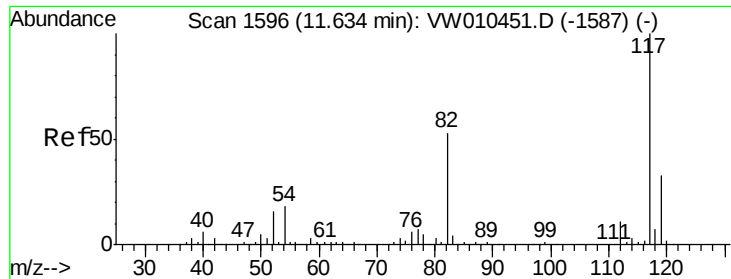
Tot Ion: 107 Resp: 24237
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.693 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion: 95 Resp: 114854
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 148.6
 176 70.4 0.0 144.2

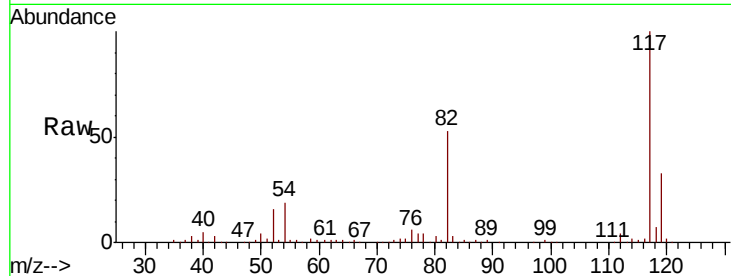




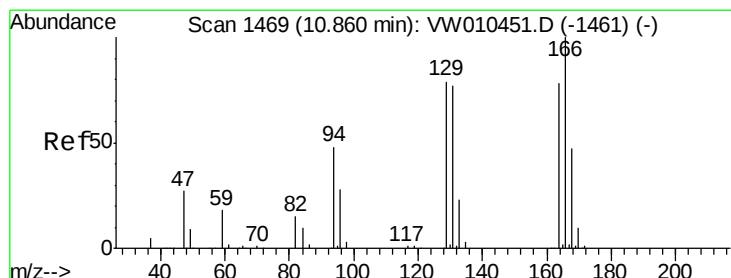
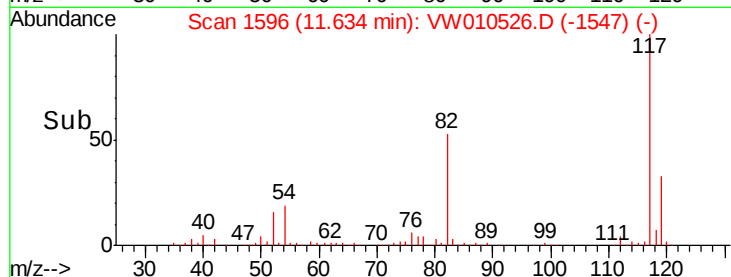
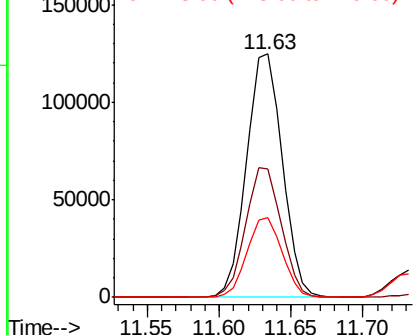
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion:117 Resp: 214030
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 32.6 26.3 39.5

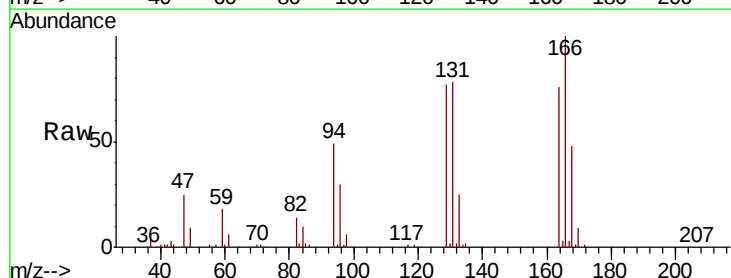


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

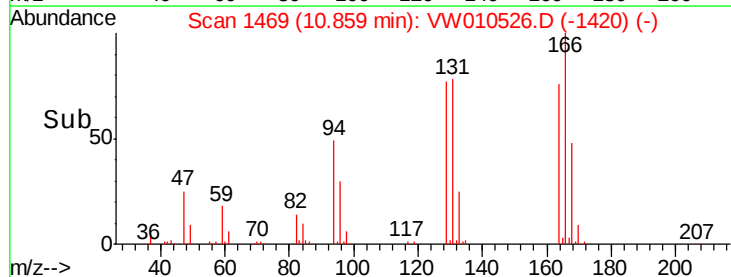
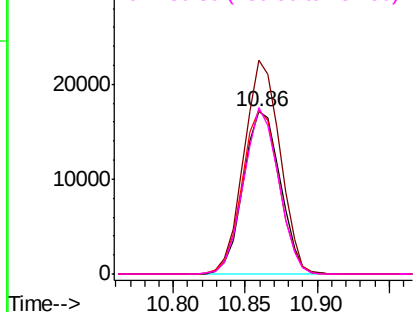


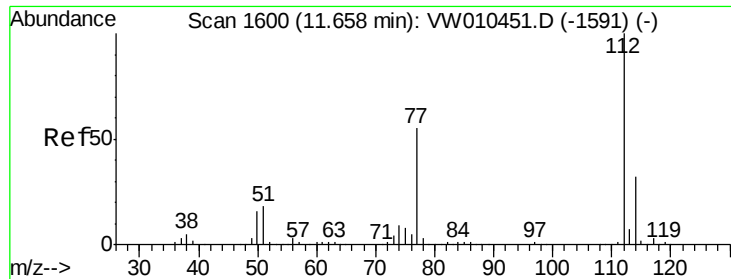
#64
Tetrachloroethene
Concen: 20.428 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion:164 Resp: 30478
Ion Ratio Lower Upper
164 100
166 131.5 101.9 152.9
129 100.8 80.6 121.0
131 102.4 78.2 117.2



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

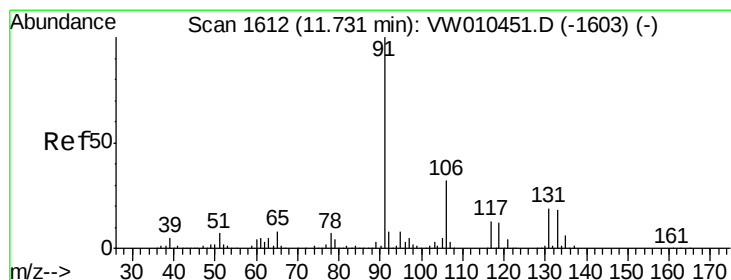
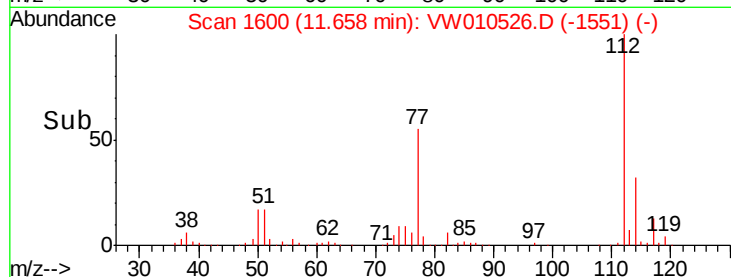
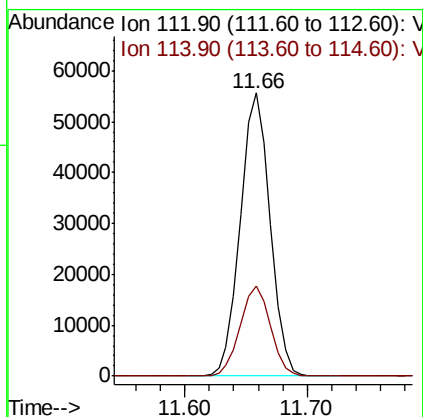
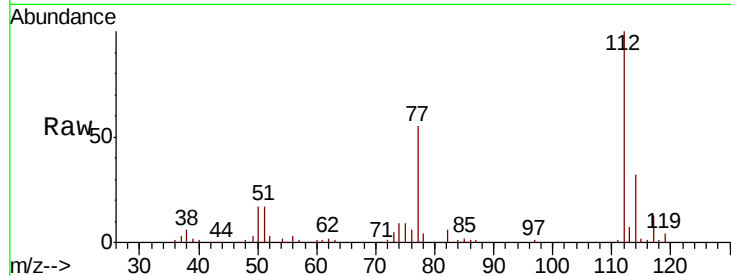




#65
Chlorobenzene
Concen: 20.592 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

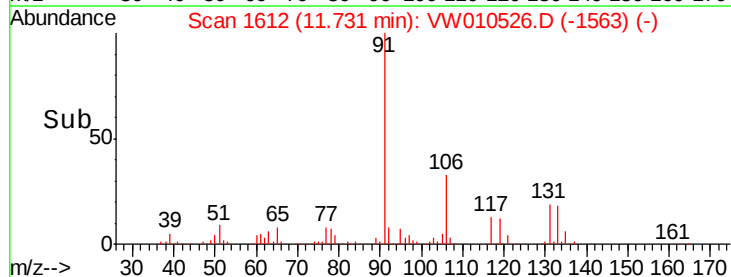
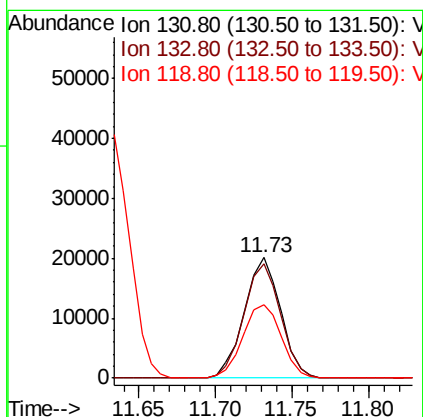
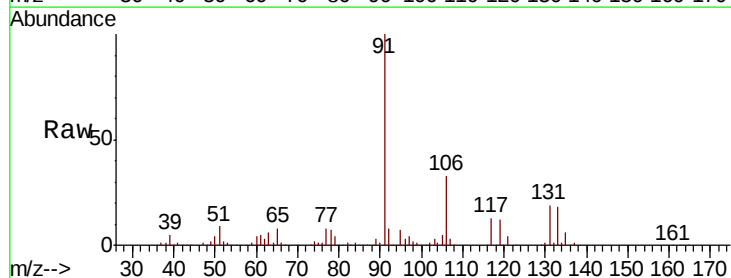
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

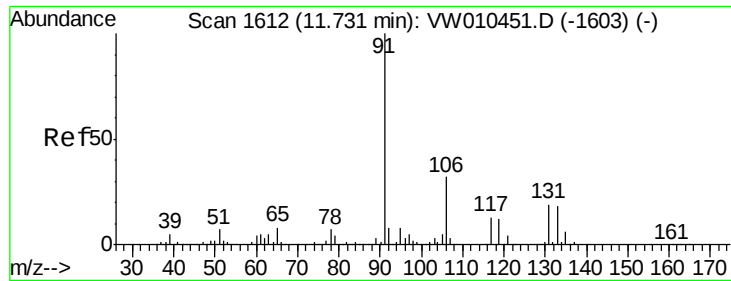
Tot Ion:112 Resp: 93932
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.394 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion:131 Resp: 33324
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 64.4 32.1 96.5





#67

Ethyl Benzene

Concen: 20.673 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

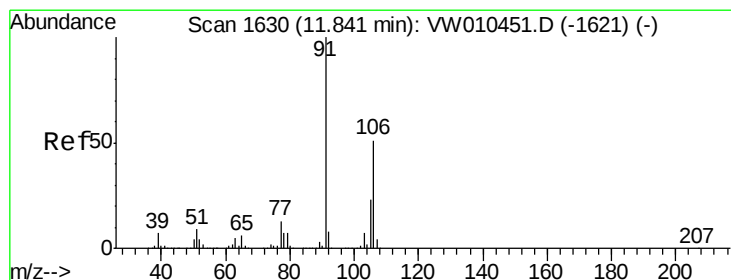
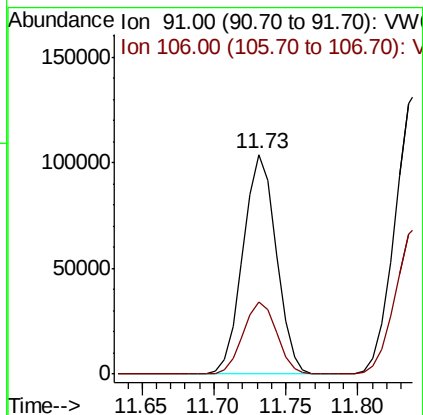
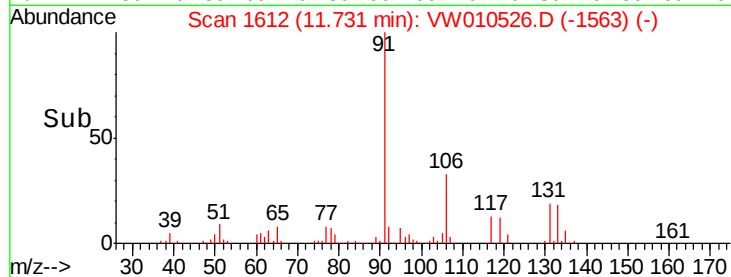
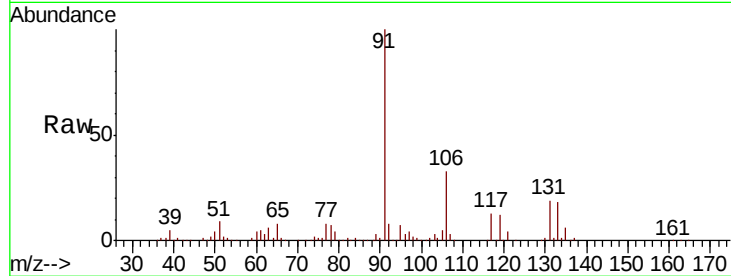
VW0523SBS01

Tot Ion: 91 Resp: 166491

Ion Ratio Lower Upper

91 100

106 32.6 25.9 38.9



#68

m/p-Xylenes

Concen: 41.634 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010526.D

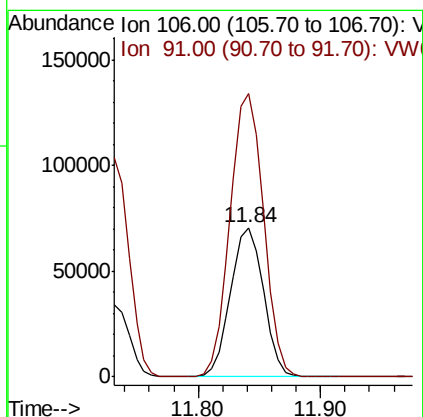
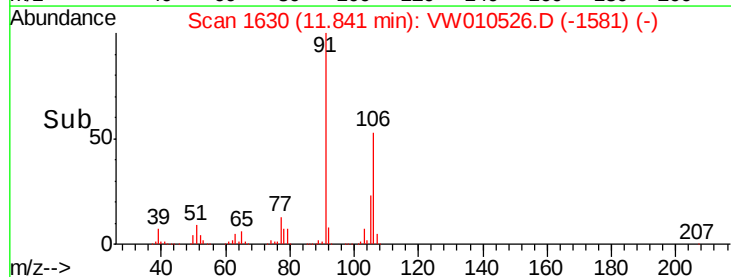
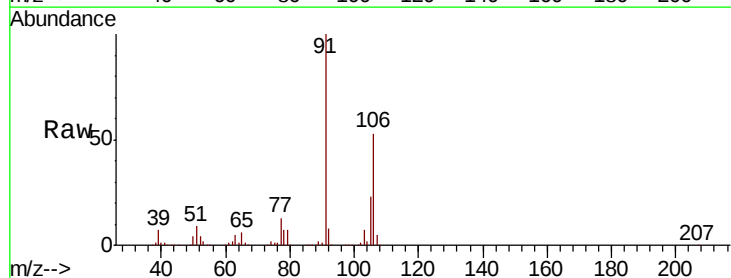
Acq: 23 May 2019 13:32

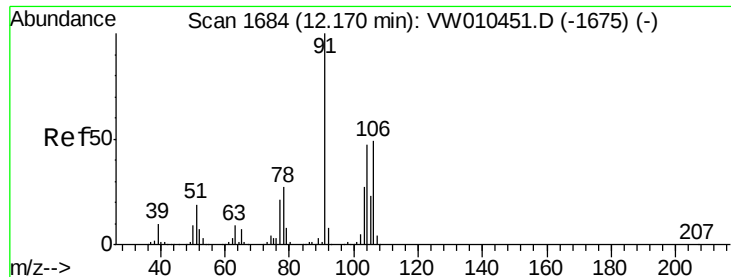
Tgt Ion:106 Resp: 131516

Ion Ratio Lower Upper

106 100

91 193.1 156.0 234.0

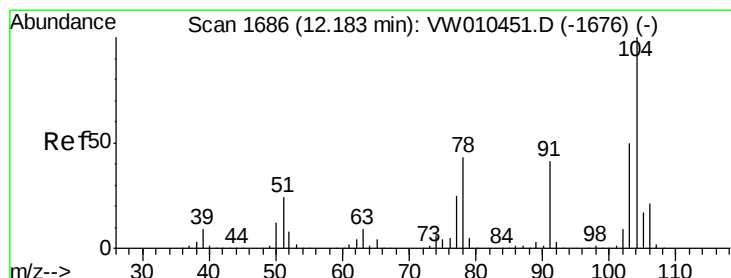
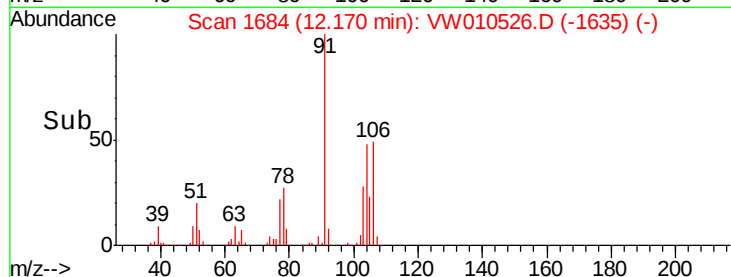
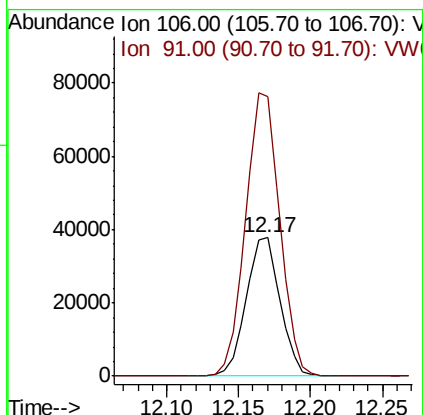
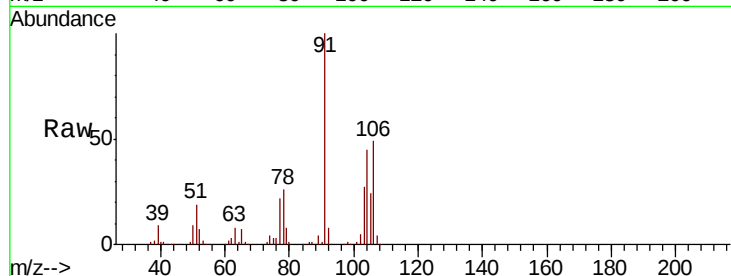




#69
o-Xylene
Concen: 20.516 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

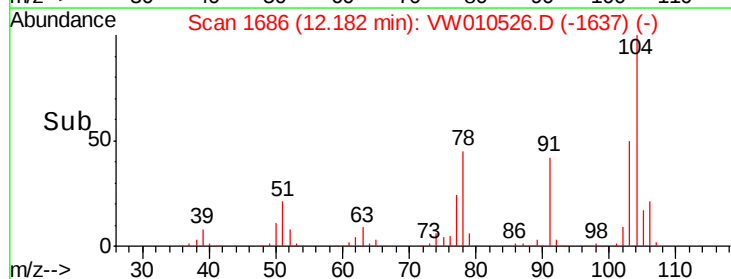
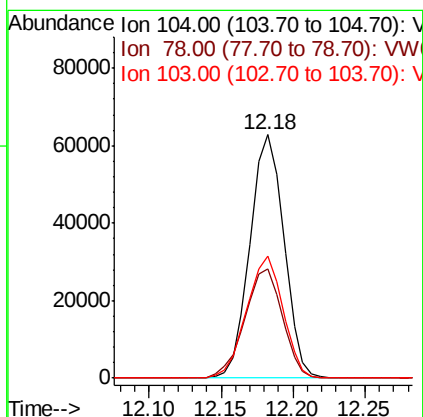
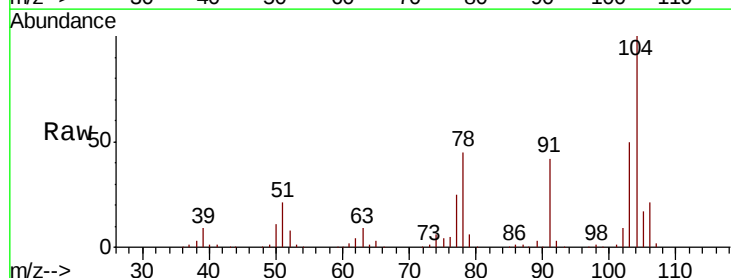
Instrument :
MSVOA_W
ClientSampled :
VW0523SBS01

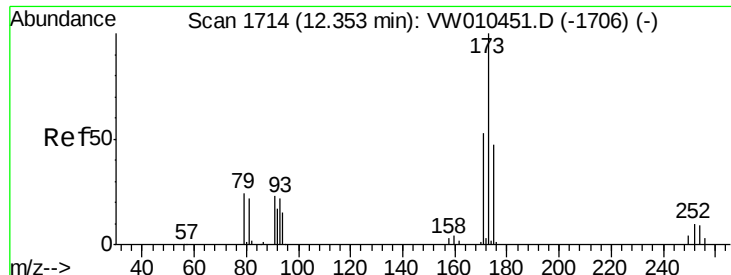
Tot Ion:106 Resp: 61402
Ion Ratio Lower Upper
106 100
91 206.6 103.2 309.4



#70
Styrene
Concen: 20.229 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion:104 Resp: 102723
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 17.257 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

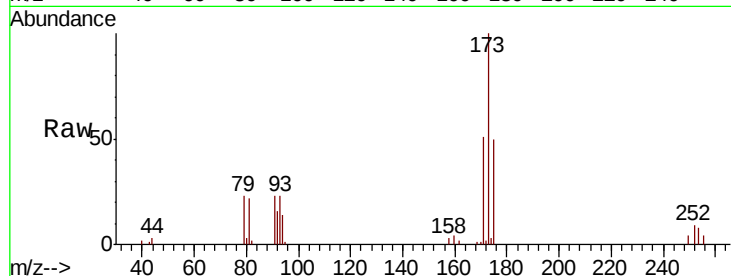
Tot Ion:173 Resp: 15528

Ion Ratio Lower Upper

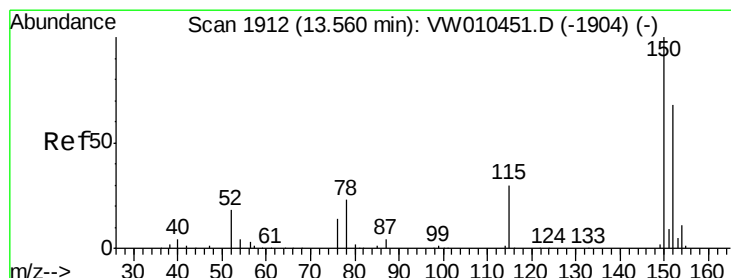
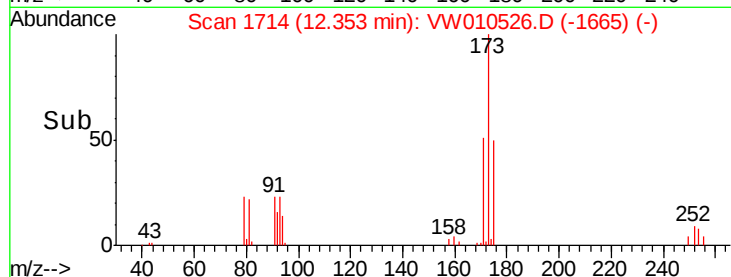
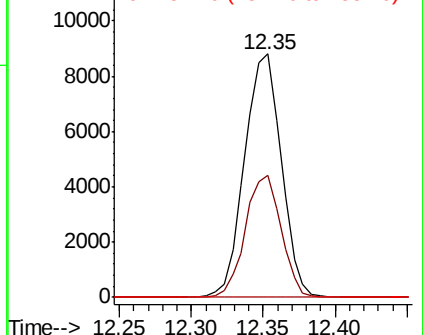
173 100

175 48.8 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

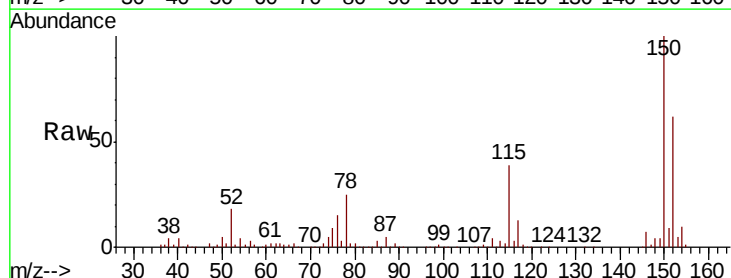
Tgt Ion:152 Resp: 101921

Ion Ratio Lower Upper

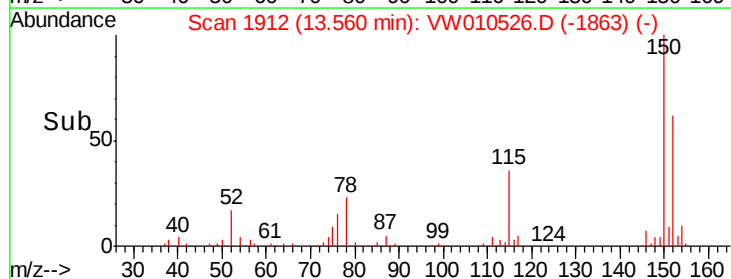
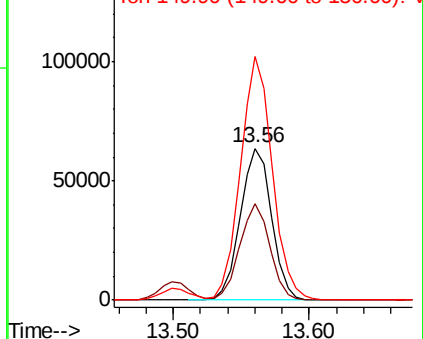
152 100

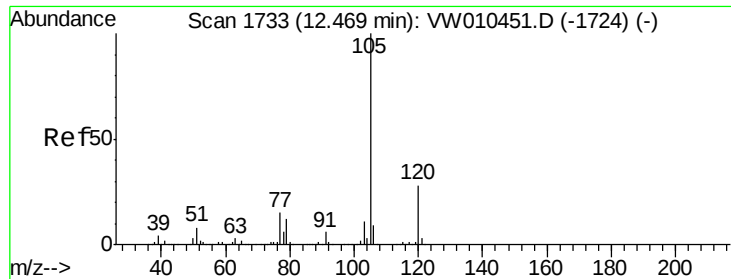
115 61.1 30.3 91.0

150 163.5 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.915 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

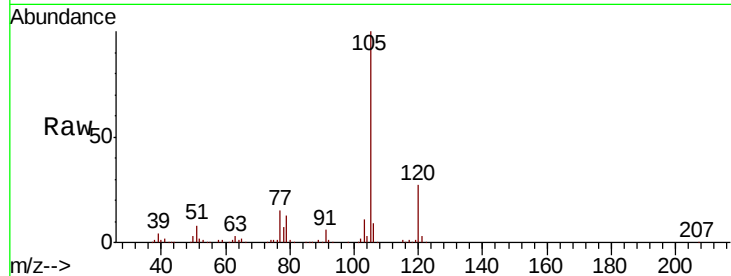
VW0523SBS01

Tot Ion:105 Resp: 169159

Ion Ratio Lower Upper

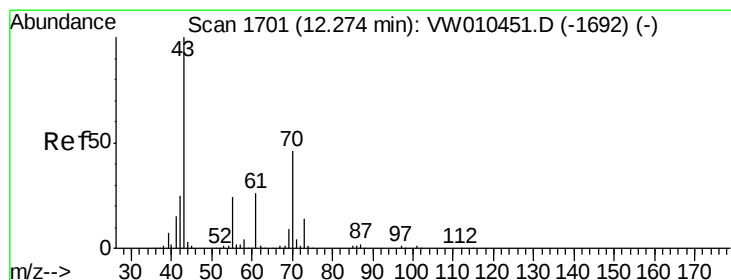
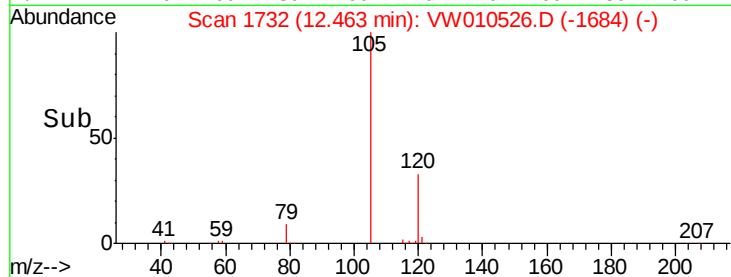
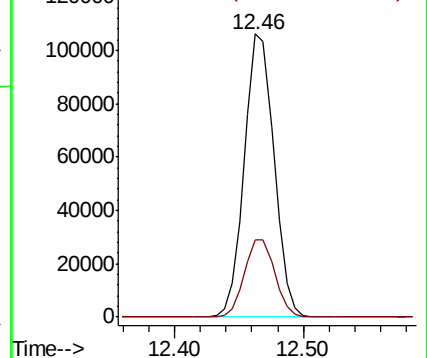
105 100

120 27.9 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.147 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion: 43 Resp: 29926

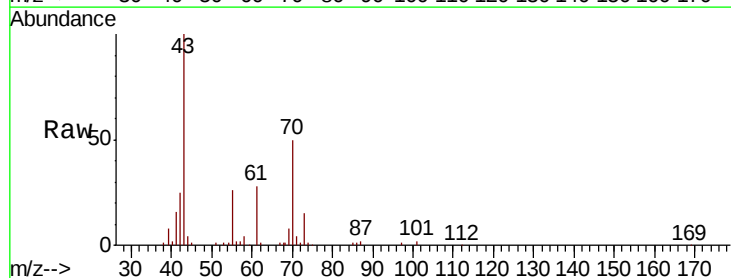
Ion Ratio Lower Upper

43 100

70 48.5 37.1 55.7

55 25.0 19.6 29.4

61 26.5 20.7 31.1

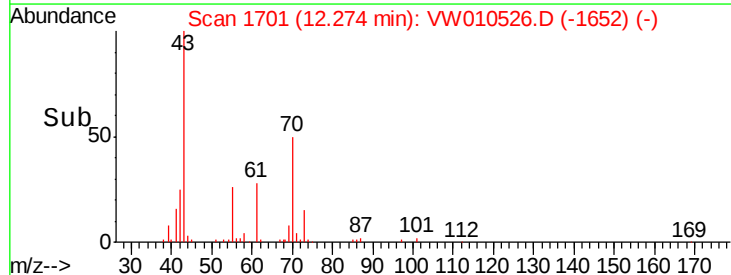
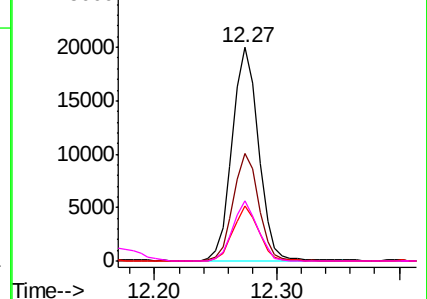


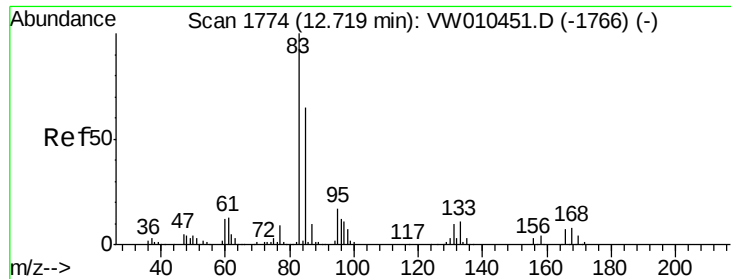
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 17.741 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

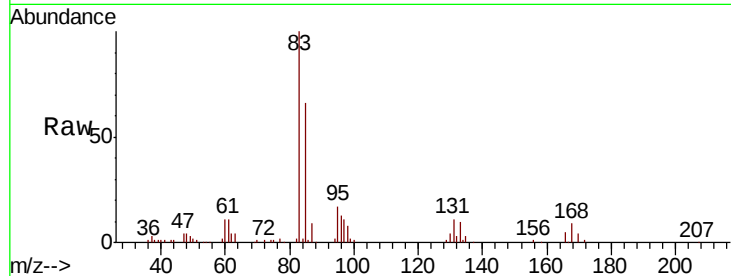
Tot Ion: 83 Resp: 26098

Ion Ratio Lower Upper

83 100

131 12.3 5.6 16.8

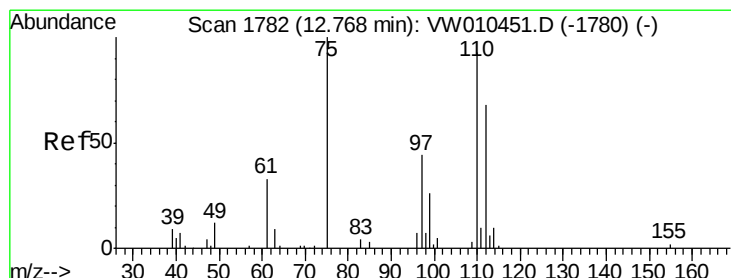
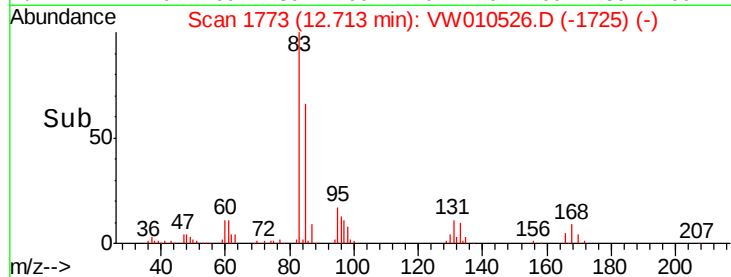
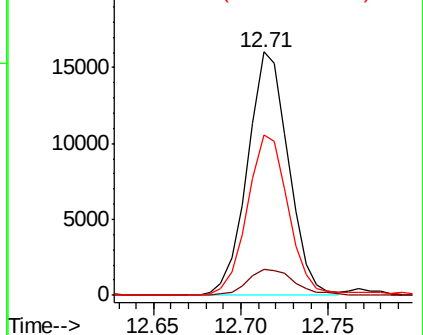
85 66.0 32.4 97.0



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: 33.093 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010526.D

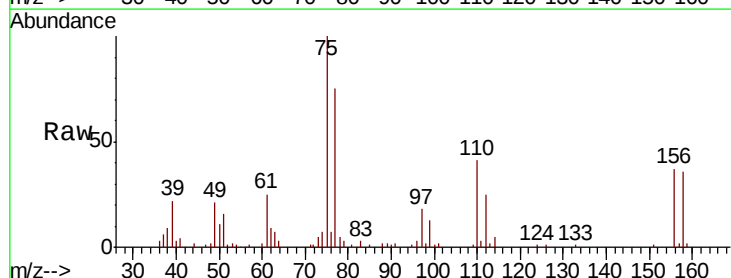
Acq: 23 May 2019 13:32

Tgt Ion: 75 Resp: 34237

Ion Ratio Lower Upper

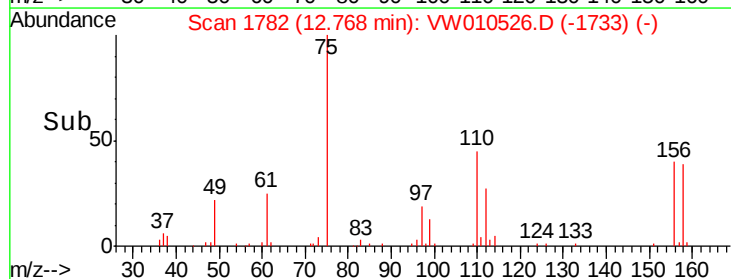
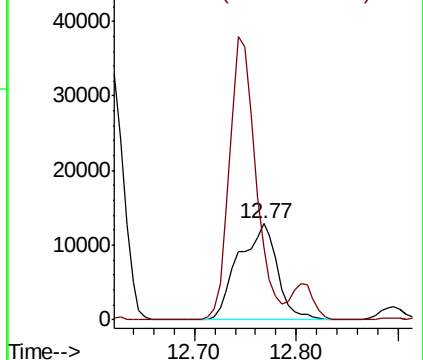
75 100

77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.786 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampled :

VW0523SBS01

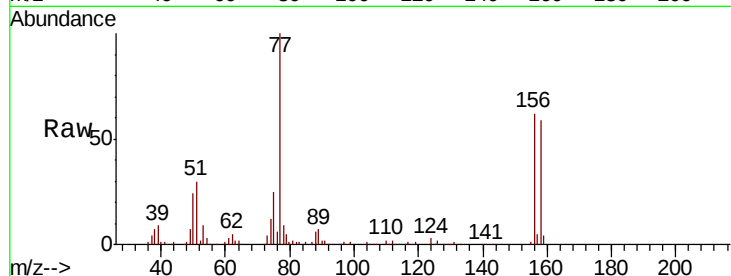
Tot Ion:156 Resp: 37621

Ion Ratio Lower Upper

156 100

77 180.9 92.4 277.2

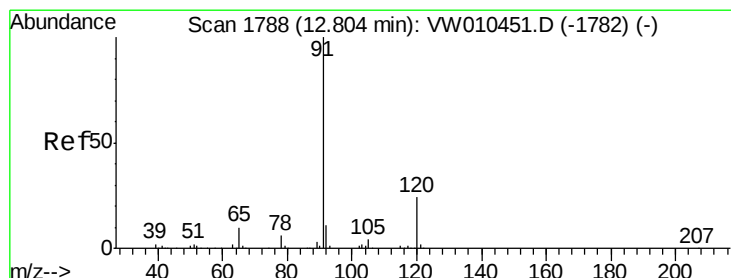
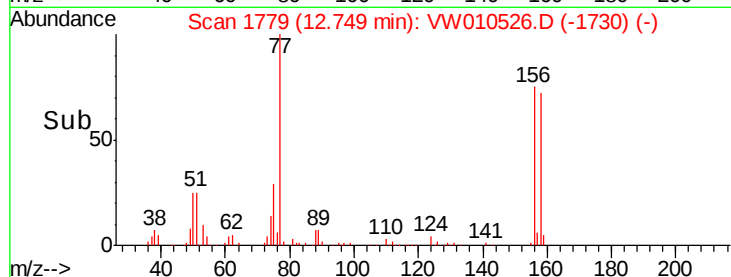
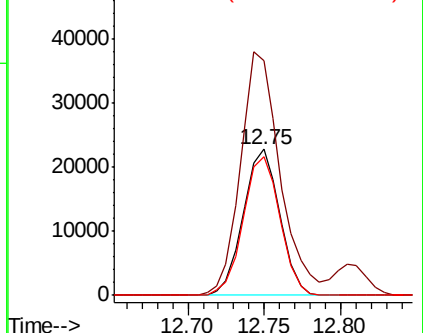
158 96.0 48.3 144.8



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: 20.468 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010526.D

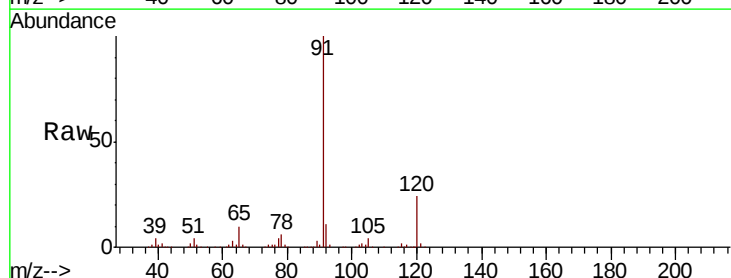
Acq: 23 May 2019 13:32

Tgt Ion: 91 Resp: 192921

Ion Ratio Lower Upper

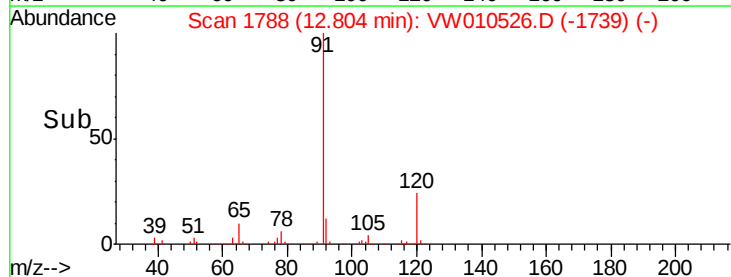
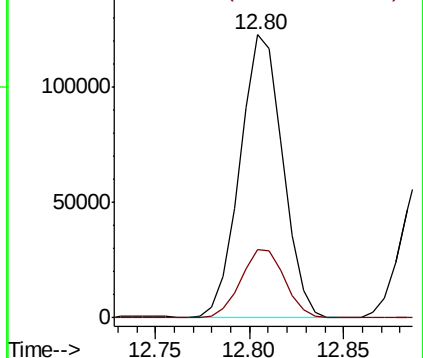
91 100

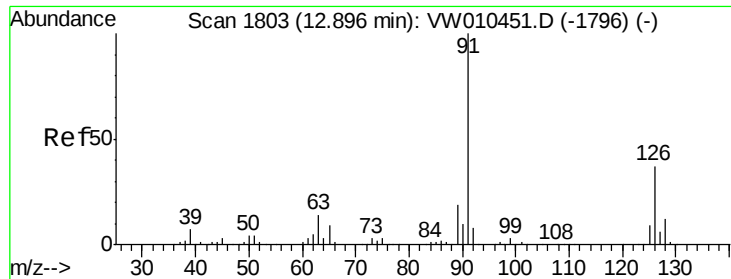
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

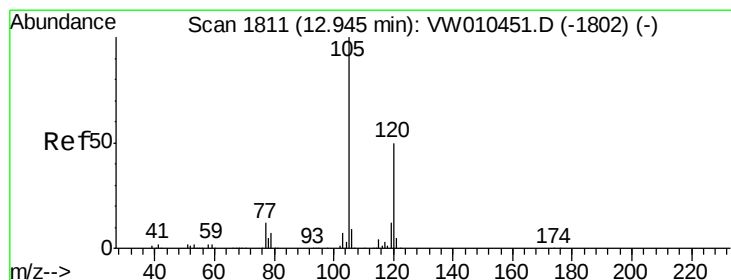
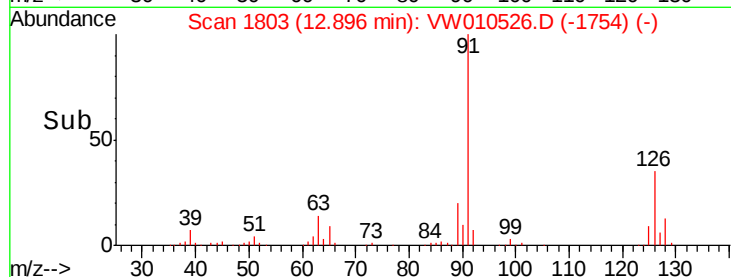
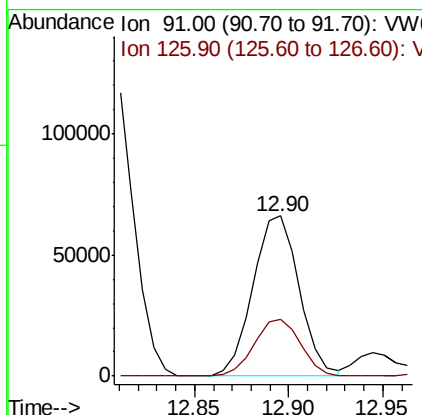
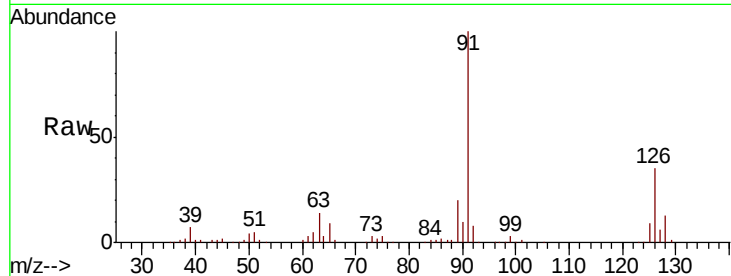




#79
 2-Chlorotoluene
 Concen: 20.538 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

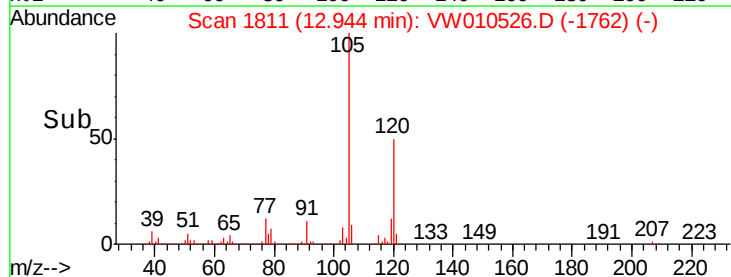
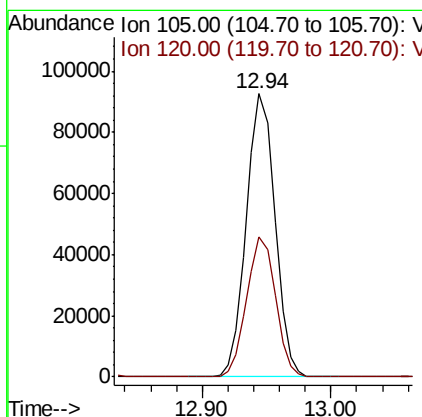
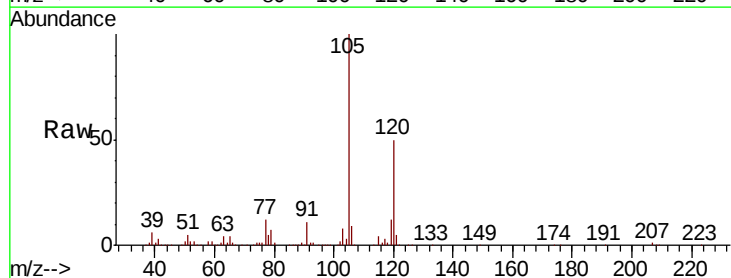
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

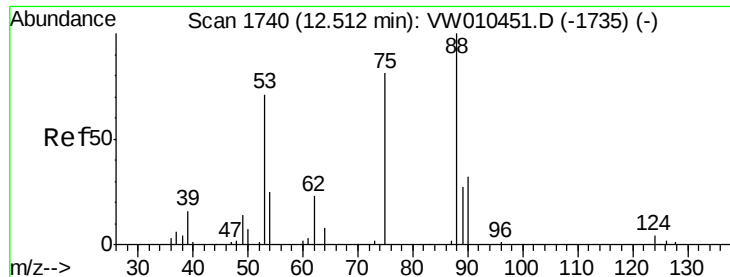
Tot Ion: 91 Resp: 112258
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.772 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion:105 Resp: 142283
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.2 75.6

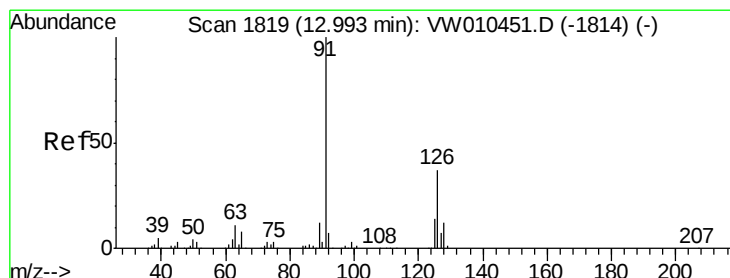
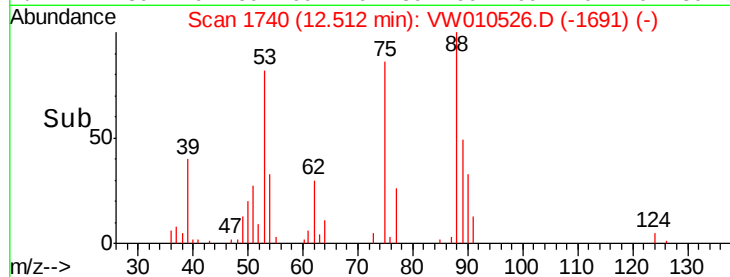
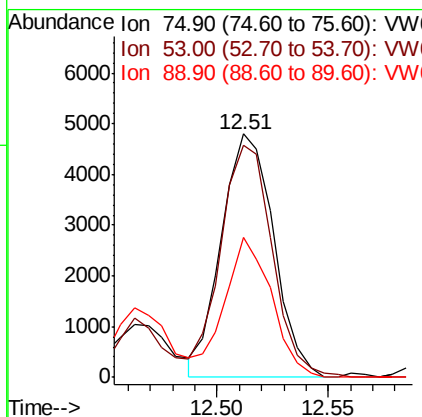
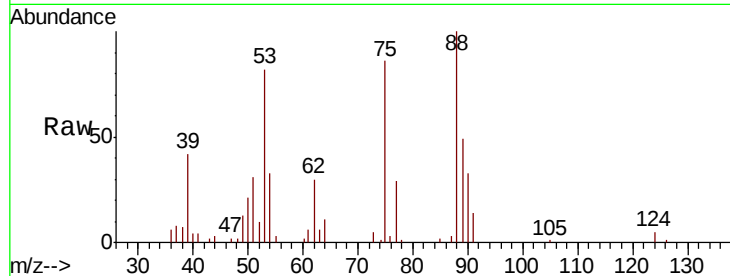




#81
trans-1,4-Dichloro-2-butene
Concen: 15.808 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

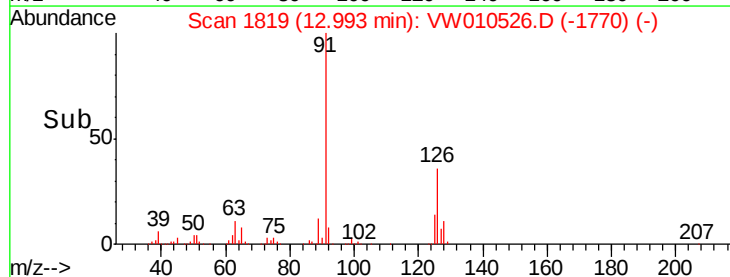
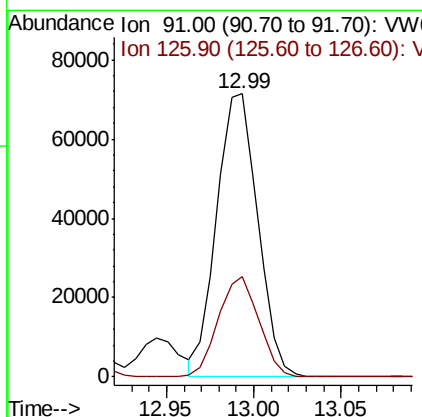
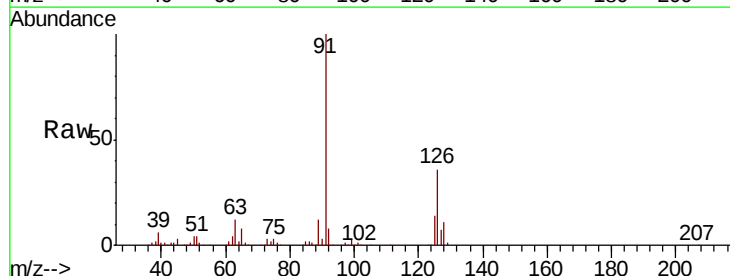
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

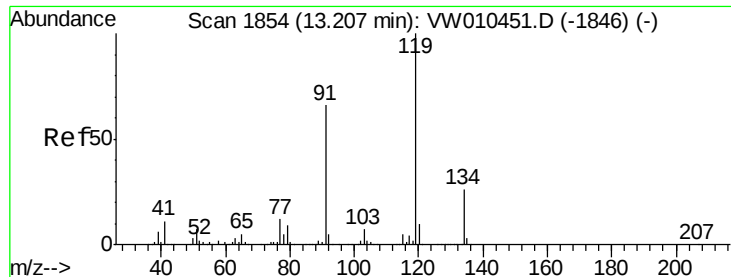
Tot Ion: 75 Resp: 7836
Ion Ratio Lower Upper
75 100
53 94.2 69.8 104.8
89 52.0 39.5 59.3



#82
4-Chlorotoluene
Concen: 20.612 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 91 Resp: 116939
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.6

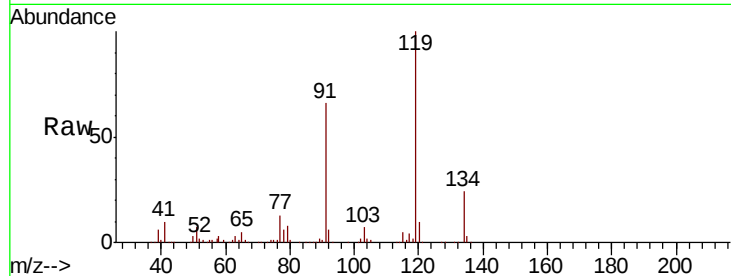




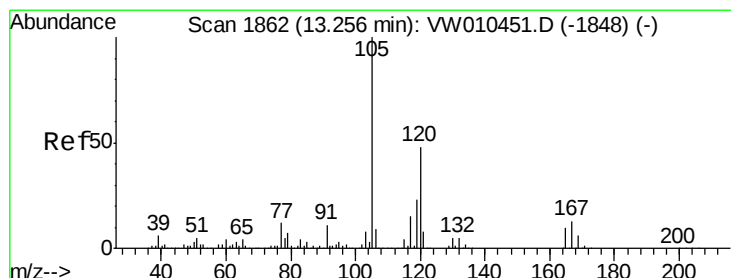
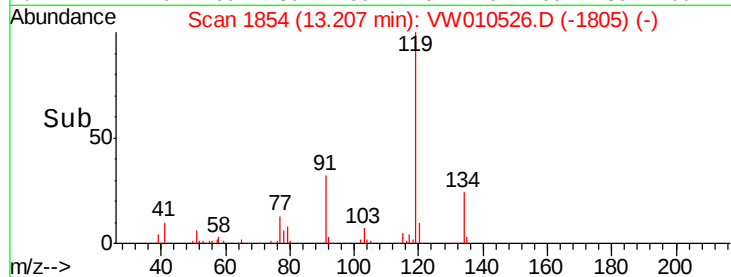
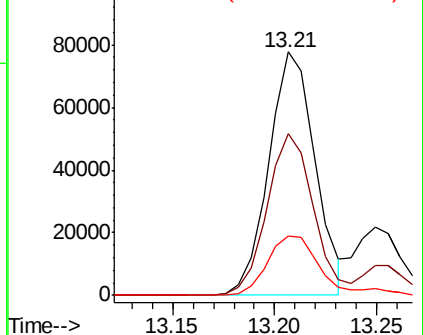
#83
tert-Butylbenzene
Concen: 20.571 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.1	99.5
134	28.0	13.9	41.6

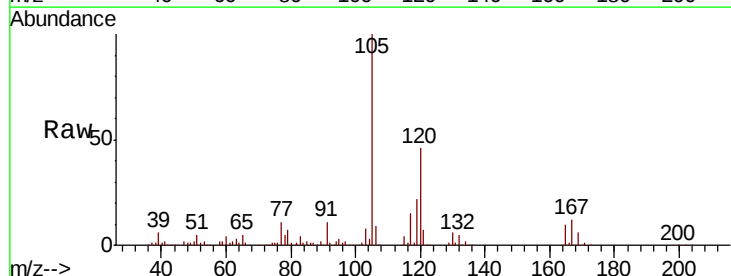


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

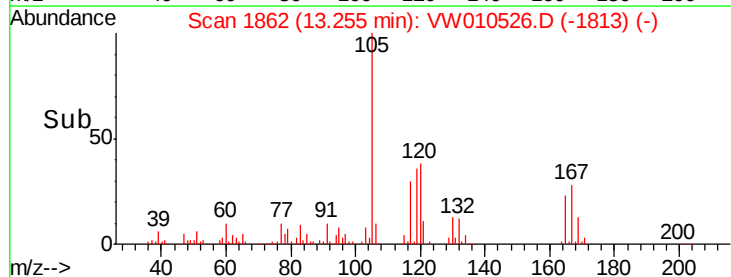
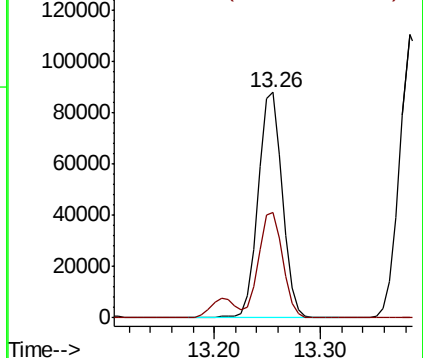


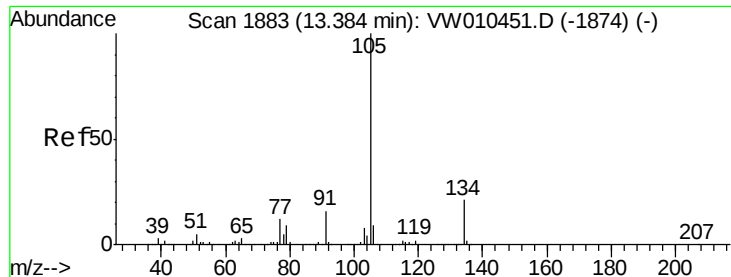
#84
1,2,4-Trimethylbenzene
Concen: 20.619 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.2



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





#85

sec-Butylbenzene

Concen: 20.679 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

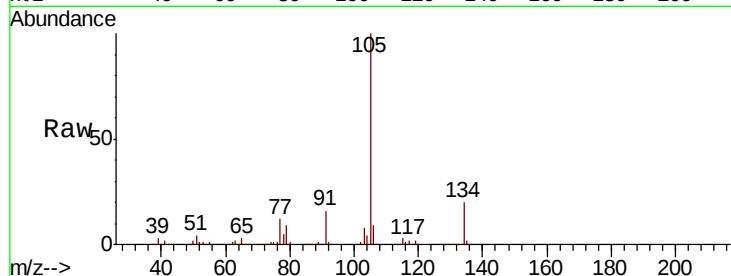
VW0523SBS01

Tot Ion:105 Resp: 173156

Ion Ratio Lower Upper

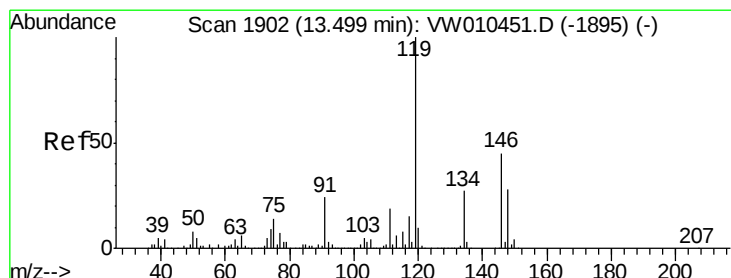
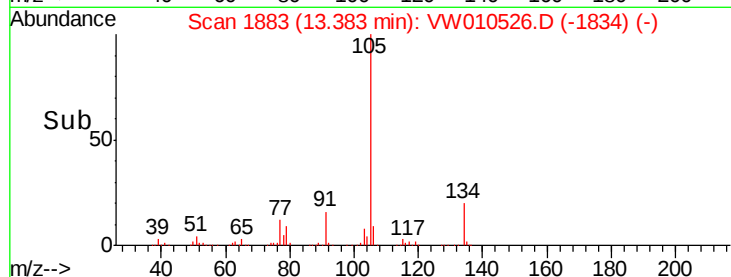
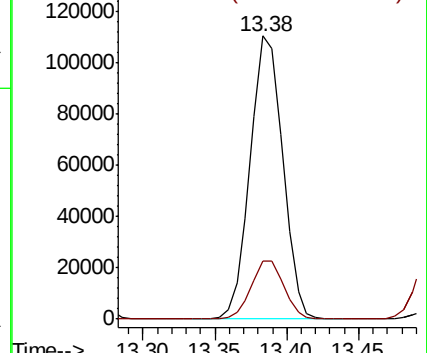
105 100

134 20.8 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.742 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

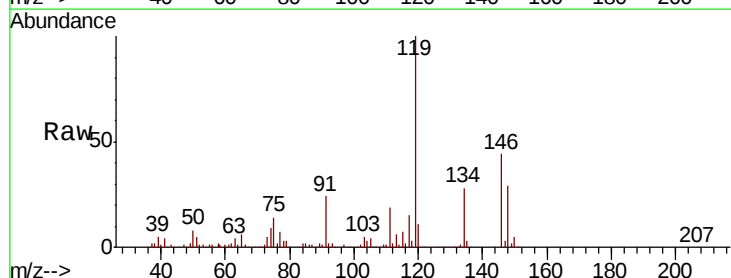
Tgt Ion:119 Resp: 157202

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

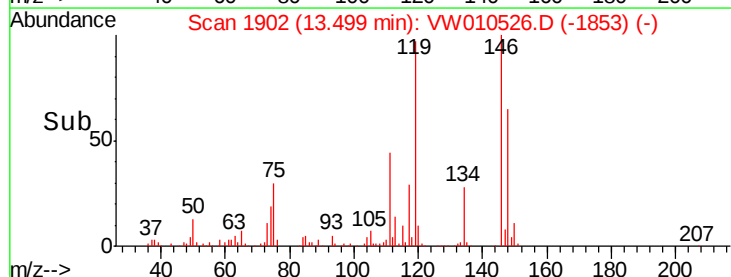
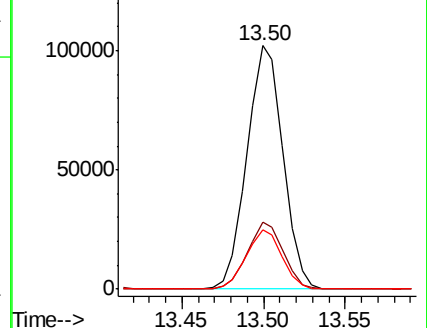
91 24.2 11.9 35.7

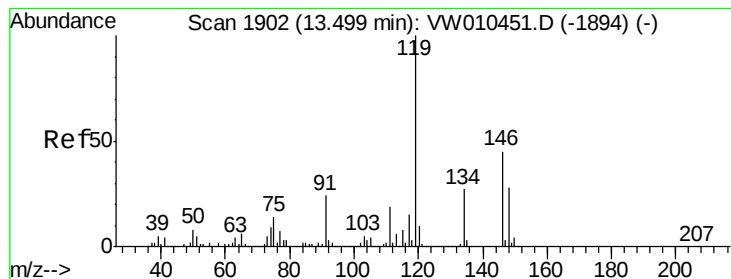


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.608 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

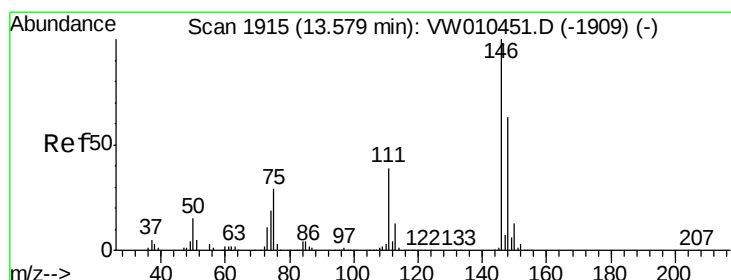
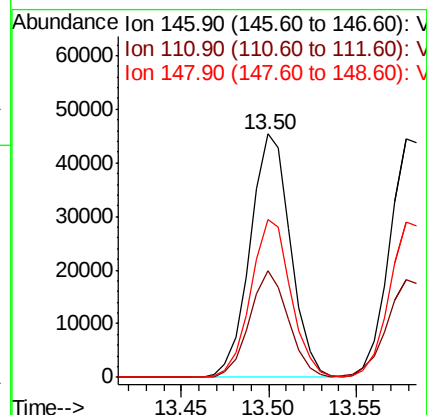
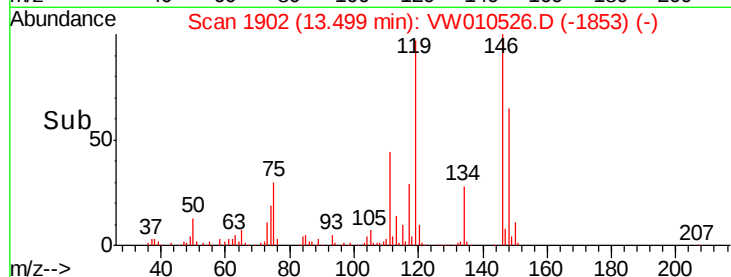
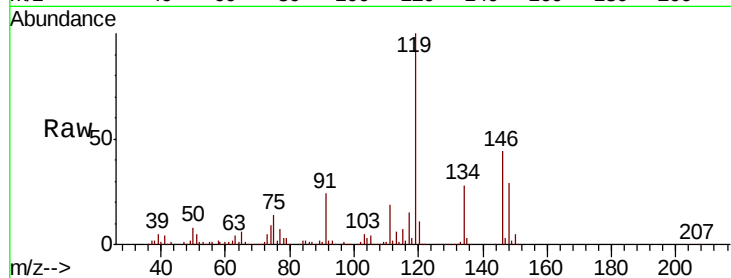
Tot Ion:146 Resp: 73178

Ion Ratio Lower Upper

146 100

111 41.9 20.3 60.9

148 64.5 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 20.361 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

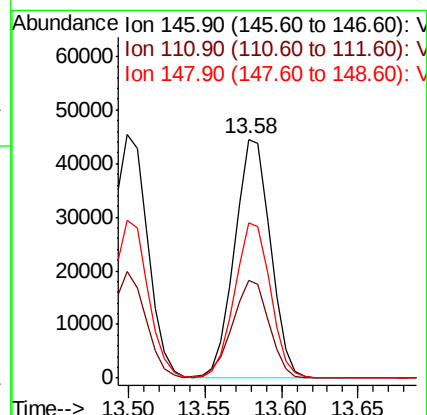
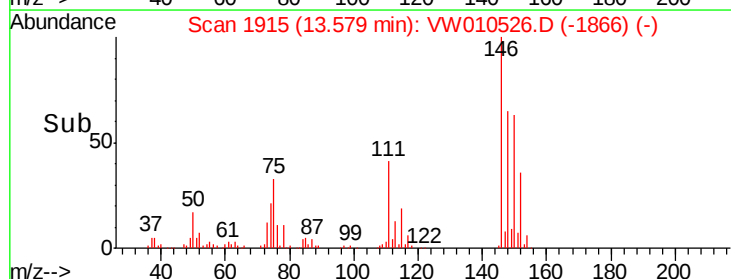
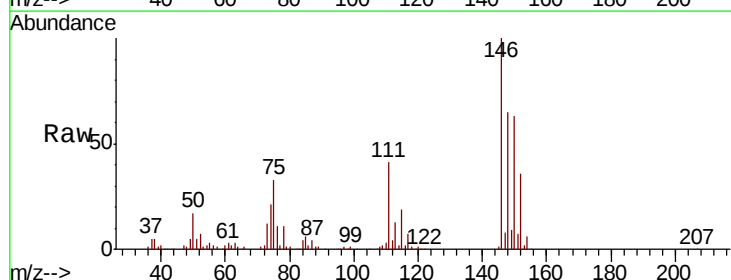
Tgt Ion:146 Resp: 72541

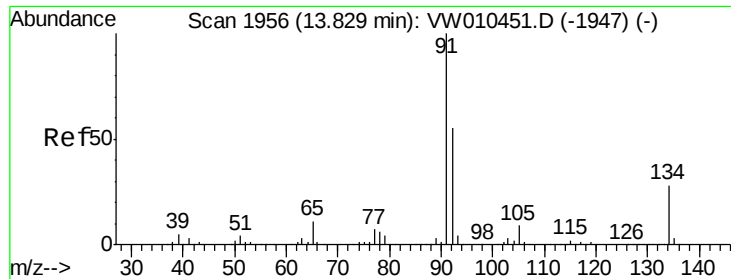
Ion Ratio Lower Upper

146 100

111 42.1 19.9 59.6

148 65.0 31.6 94.8





#89

n-Butylbenzene

Concen: 20.485 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

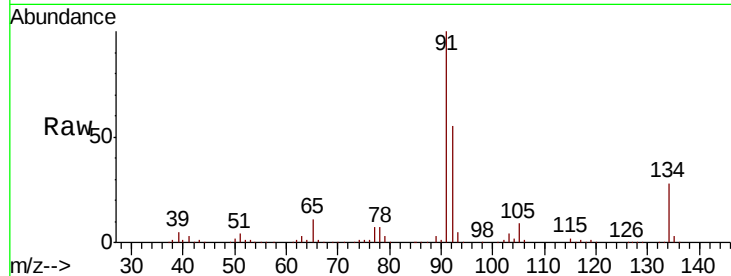
Tot Ion: 91 Resp: 147678

Ion Ratio Lower Upper

91 100

92 54.9 27.7 83.1

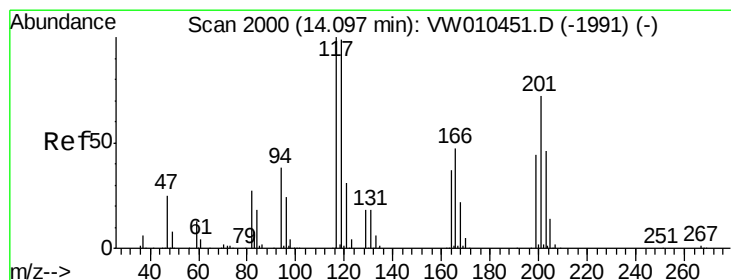
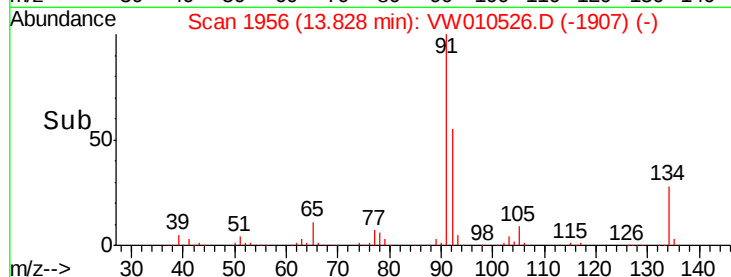
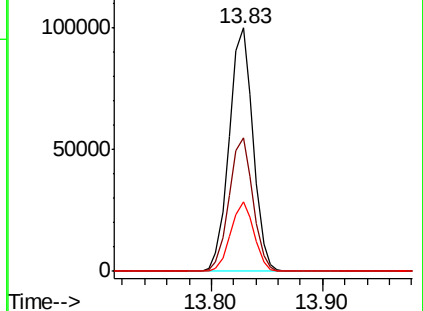
134 28.1 13.9 41.6



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: 20.060 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010526.D

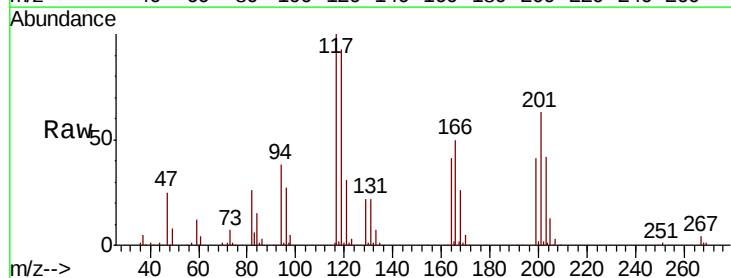
Acq: 23 May 2019 13:32

Tgt Ion: 117 Resp: 29427

Ion Ratio Lower Upper

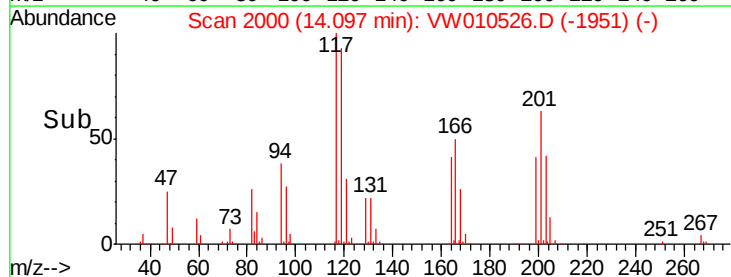
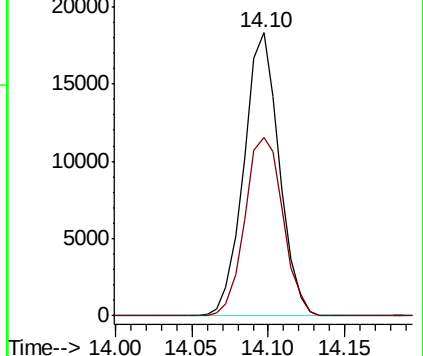
117 100

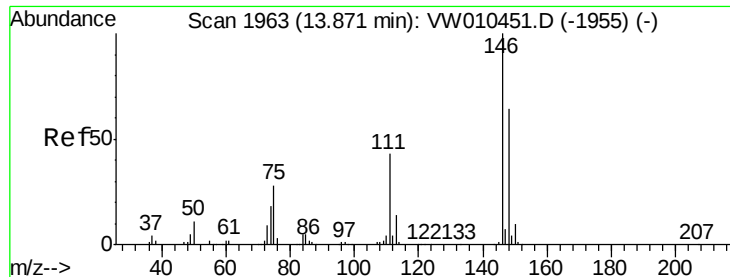
201 67.7 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.166 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

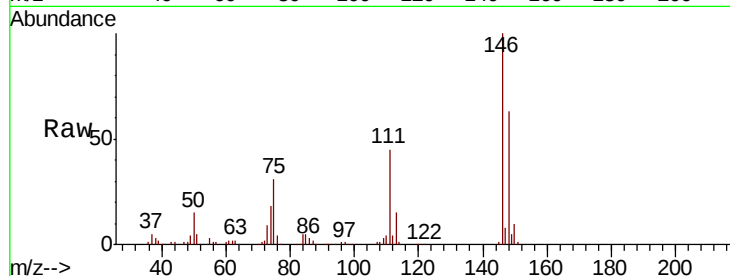
Tot Ion:146 Resp: 65247

Ion Ratio Lower Upper

146 100

111 43.0 21.3 64.0

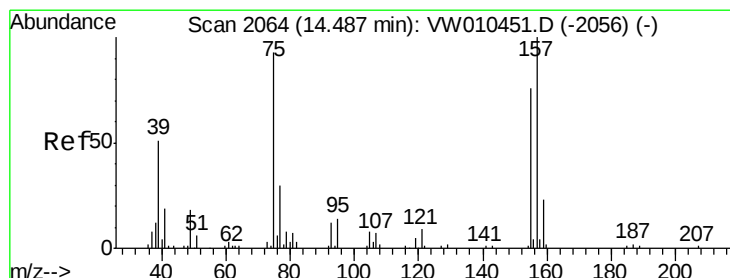
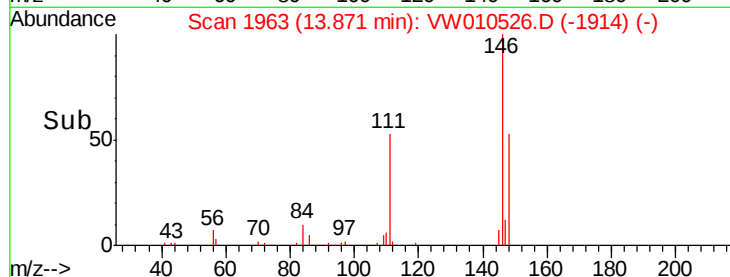
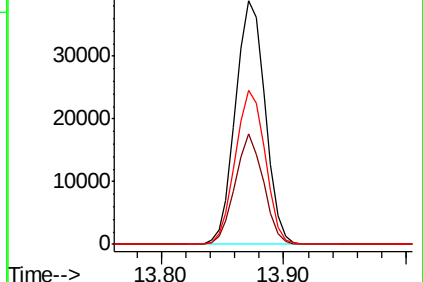
148 63.6 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.678 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

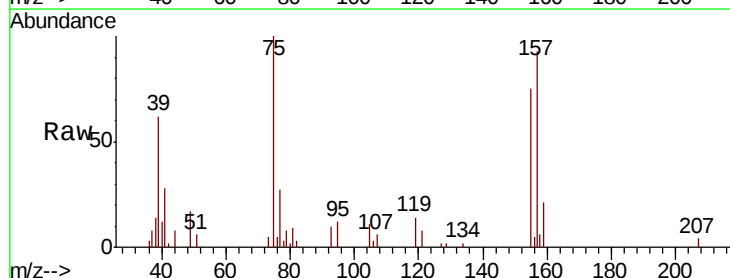
Tgt Ion: 75 Resp: 4562

Ion Ratio Lower Upper

75 100

155 80.8 43.0 129.0

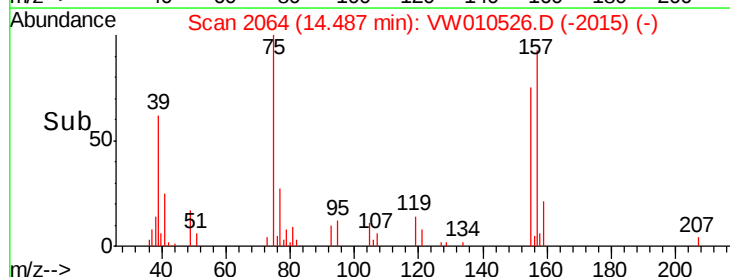
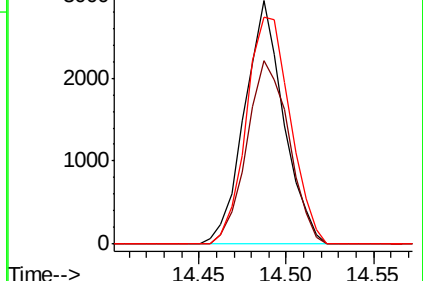
157 104.7 55.7 167.1

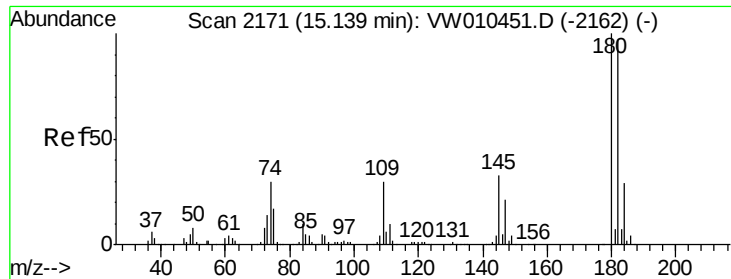


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

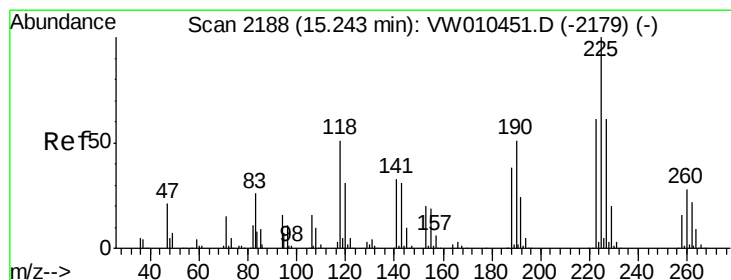
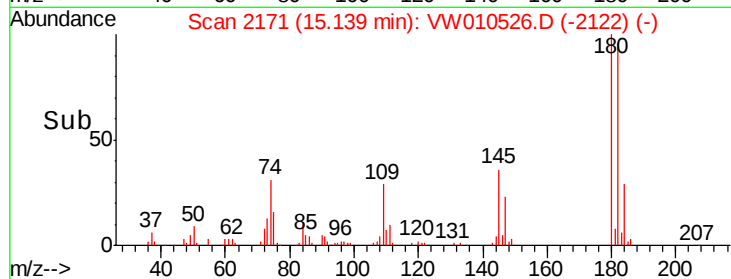
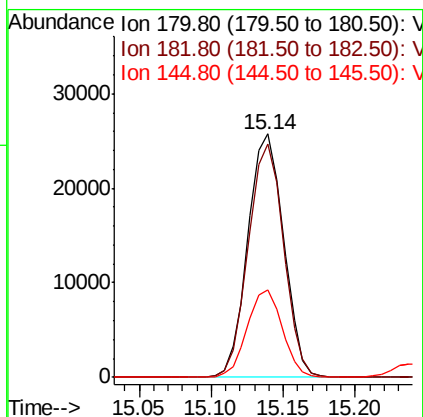
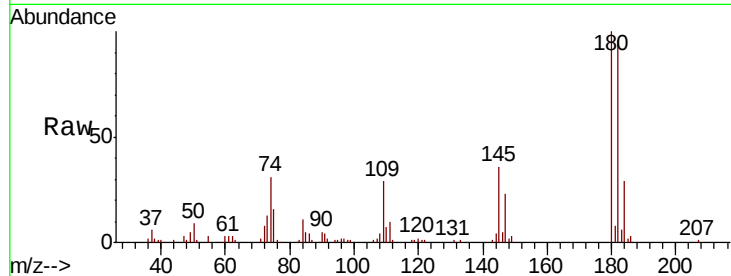




#93
 1,2,4-Trichlorobenzene
 Concen: 20.095 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

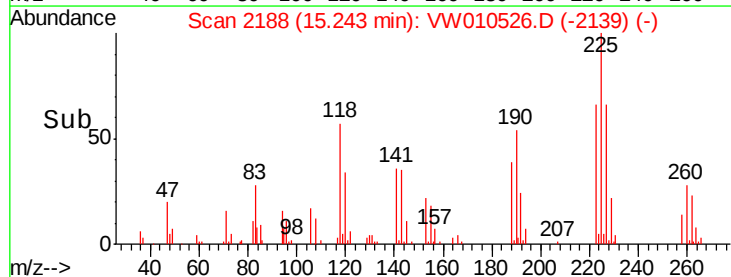
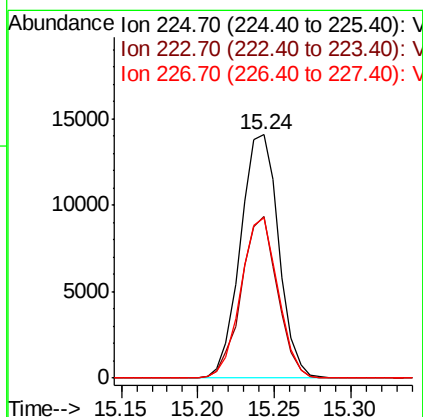
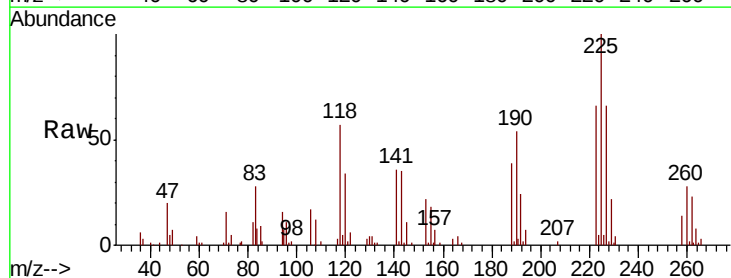
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

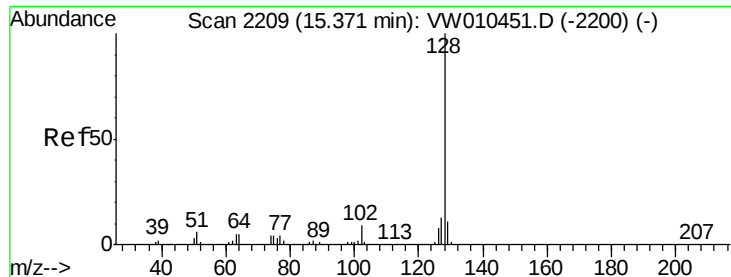
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.2
145	35.2	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 20.802 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	63.9	31.1	93.5

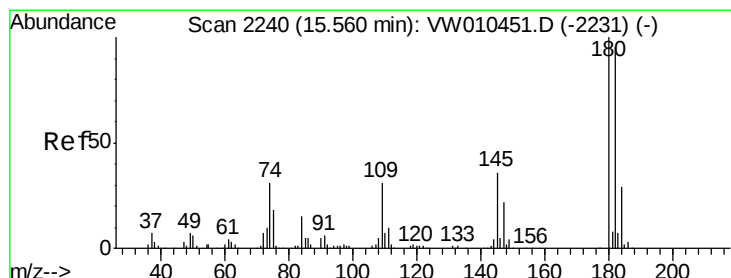
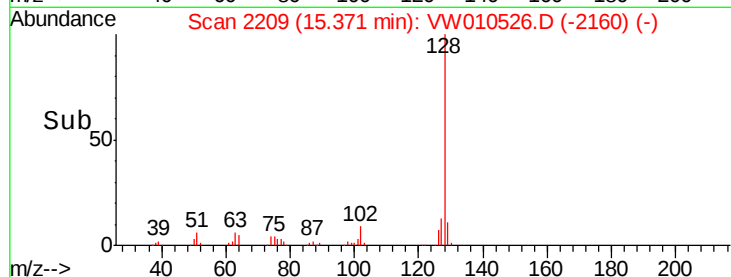
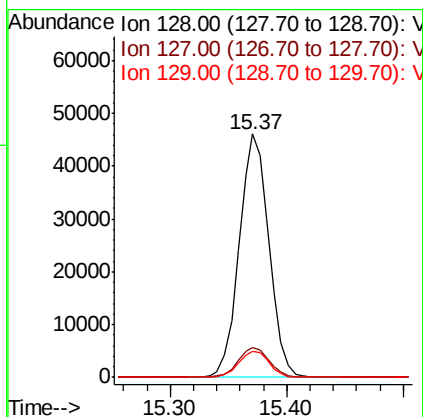
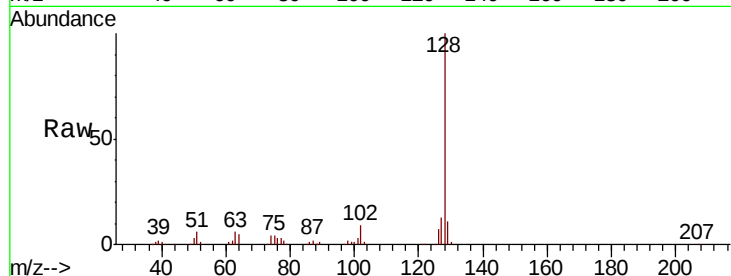




#95
Naphthalene
Concen: 17.675 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion:128 Resp: 81675
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.947 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion:180 Resp: 37784
Ion Ratio Lower Upper
180 100
182 94.1 47.1 141.3
145 36.4 17.4 52.3

