

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011024.D
 Acq On : 27 Jun 2019 16:49
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 28 01:43:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152247	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	267424	103.40	ug/l	0.00
Spiked Amount			Recovery	=	206.80%	
35) Dibromofluoromethane	7.88	113	209401	108.20	ug/l	0.00
Spiked Amount			Recovery	=	216.40%	
50) Toluene-d8	10.32	98	875966	103.22	ug/l	0.00
Spiked Amount			Recovery	=	206.44%	
62) 4-Bromofluorobenzene	12.62	95	316160	102.39	ug/l	0.00
Spiked Amount			Recovery	=	204.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	162587	85.282	ug/l	99
3) Chloromethane	2.21	50	207354	75.330	ug/l	98
4) Vinyl Chloride	2.36	62	272640	101.873	ug/l	99
5) Bromomethane	2.76	94	136717	94.282	ug/l	99
6) Chloroethane	2.92	64	154508	98.429	ug/l	100
7) Trichlorofluoromethane	3.24	101	91312	30.231	ug/l	91
8) Diethyl Ether	3.67	74	131320	106.421	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	233500	109.545	ug/l	99
10) Methyl Iodide	4.27	142	332982	162.851	ug/l	100
11) Tert butyl alcohol	5.17	59	97762	485.537	ug/l	99
12) 1,1-Dichloroethene	4.04	96	248168	118.671	ug/l	97
13) Acrolein	3.89	56	74482	772.366	ug/l	98
14) Allyl chloride	4.66	41	411321	93.774	ug/l	100
15) Acrylonitrile	5.36	53	339333	558.791	ug/l	99
16) Acetone	4.12	43	356762	536.873	ug/l	98
17) Carbon Disulfide	4.38	76	736789	112.355	ug/l	99
18) Methyl Acetate	4.67	43	165069	112.035	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	347023	63.342	ug/l	97
20) Methylene Chloride	4.92	84	253400	106.636	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	252846	108.755	ug/l	99
22) Diisopropyl ether	6.31	45	953853	105.754	ug/l	97
23) Vinyl Acetate	6.25	43	3191514	581.628	ug/l	100
24) 1,1-Dichloroethane	6.21	63	503312	110.378	ug/l	99
25) 2-Butanone	7.17	43	544067	581.553	ug/l	100
26) 2,2-Dichloropropane	7.16	77	239974	69.374	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	271389	106.257	ug/l	99
28) Bromochloromethane	7.51	49	217362	104.127	ug/l	99
29) Tetrahydrofuran	7.52	42	344178	580.633	ug/l	100
30) Chloroform	7.67	83	452653	108.591	ug/l	98
31) Cyclohexane	7.95	56	513239	101.770	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	341519	96.135	ug/l	99
36) 1,1-Dichloropropene	8.08	75	382016	107.752	ug/l	99
37) Ethyl Acetate	7.25	43	231901	116.378	ug/l	99
38) Carbon Tetrachloride	8.07	117	327144	107.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	485005	108.467	ug/l	99
40) Benzene	8.32	78	1047194	108.062	ug/l	100
41) Methacrylonitrile	7.48	41	128447	107.922	ug/l	91
42) 1,2-Dichloroethane	8.40	62	340257	110.224	ug/l	99
43) Isopropyl Acetate	8.42	43	445800	116.587	ug/l	99
44) Trichloroethene	9.09	130	255028	107.084	ug/l	97
45) 1,2-Dichloropropane	9.37	63	287143	111.677	ug/l	98
46) Dibromomethane	9.46	93	134072	112.004	ug/l	100
47) Bromodichloromethane	9.64	83	347408	112.943	ug/l	100
48) Methyl methacrylate	9.43	41	219800	119.200	ug/l	98
49) 1,4-Dioxane	9.45	88	46315	2401.386	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1172930	595.877	ug/l	99
52) Toluene	10.38	92	653108	109.684	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	377102	115.842	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	438818	114.255	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	188852	109.674	ug/l	99
56) Ethyl methacrylate	10.65	69	308180	116.835	ug/l	99
57) 1,3-Dichloropropane	10.93	76	362685	111.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	747573	544.094	ug/l	100
59) 2-Hexanone	10.97	43	840130	593.733	ug/l	99
60) Dibromochloromethane	11.13	129	214026	113.484	ug/l	100
61) 1,2-Dibromoethane	11.23	107	181687	111.772	ug/l	100
64) Tetrachloroethene	10.86	164	220431	107.145	ug/l	97
65) Chlorobenzene	11.66	112	652964	106.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	229930	109.416	ug/l	99
67) Ethyl Benzene	11.73	91	1283476	109.358	ug/l	99
68) m/p-Xylenes	11.84	106	923975	219.224	ug/l	100
69) o-Xylene	12.16	106	435803	109.335	ug/l	100
70) Styrene	12.18	104	763058	110.132	ug/l	100
71) Bromoform	12.35	173	120733	111.499	ug/l #	99
73) Isopropylbenzene	12.46	105	1213518	106.416	ug/l	100
74) N-amyl acetate	12.27	43	440461	117.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	239016	109.261	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	321537	200.334	ug/l #	100
77) Bromobenzene	12.75	156	261039	104.946	ug/l	99
78) n-propylbenzene	12.80	91	1494048	108.066	ug/l	99
79) 2-Chlorotoluene	12.89	91	844557	106.934	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1027969	109.302	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	82206	118.650	ug/l	95
82) 4-Chlorotoluene	12.99	91	875674	107.268	ug/l	100
83) tert-Butylbenzene	13.21	119	860222	108.245	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1028398	108.675	ug/l	100
85) sec-Butylbenzene	13.38	105	1239399	107.198	ug/l	99
86) p-Isopropyltoluene	13.50	119	1131803	109.356	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	512651	106.469	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	507541	106.032	ug/l	99
89) n-Butylbenzene	13.82	91	1152145	111.262	ug/l	100
90) Hexachloroethane	14.10	117	203587	110.866	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	459408	105.607	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42119	111.525	ug/l	97

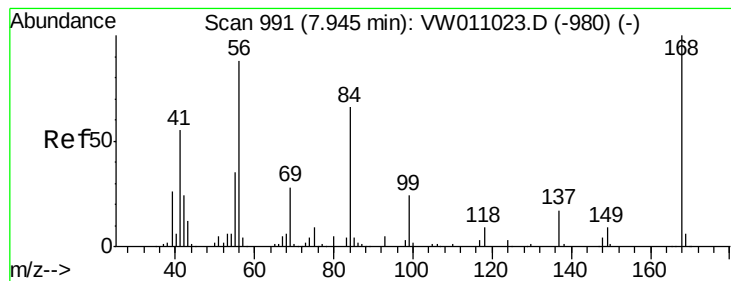
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331803	108.757	ug/l	100
94) Hexachlorobutadiene	15.24	225	197165	103.675	ug/l	99
95) Naphthalene	15.37	128	665109	118.627	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	292992	112.241	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

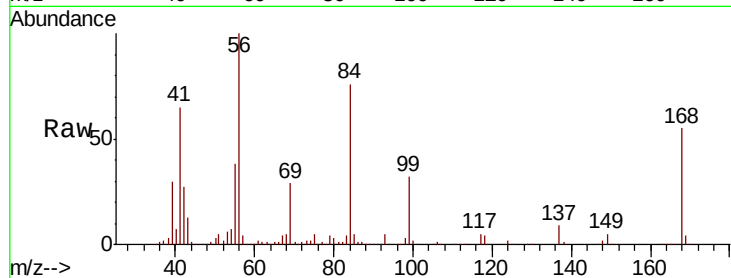
VSTDIC100

Tot Ion:168 Resp: 209988

Ion Ratio Lower Upper

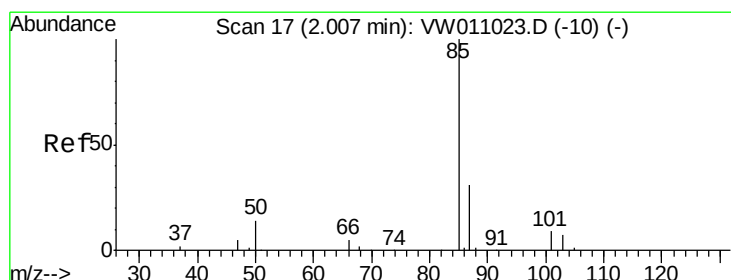
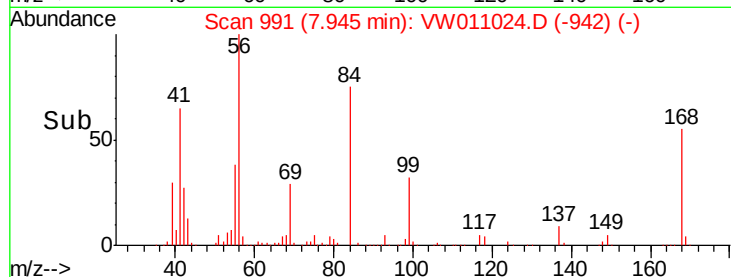
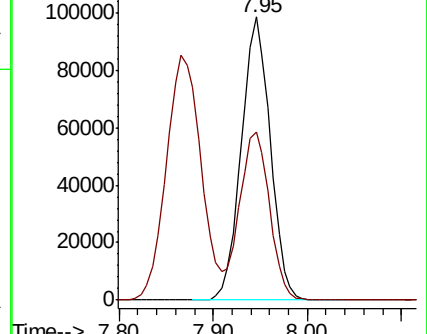
168 100

99 59.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 85.282 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011024.D

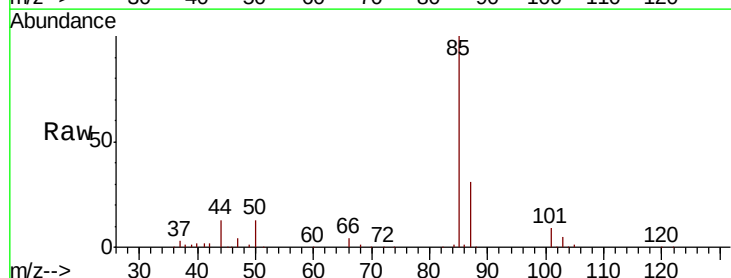
Acq: 27 Jun 2019 16:49

Tgt Ion: 85 Resp: 162587

Ion Ratio Lower Upper

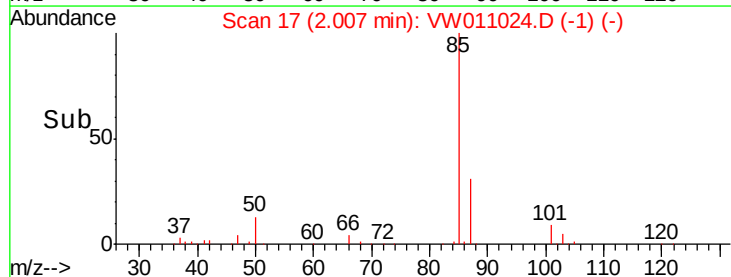
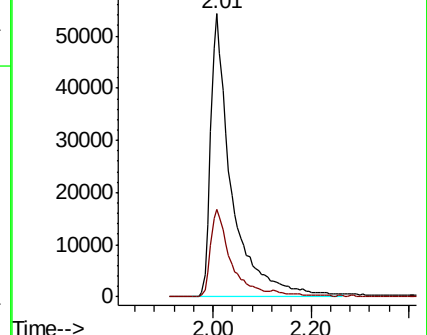
85 100

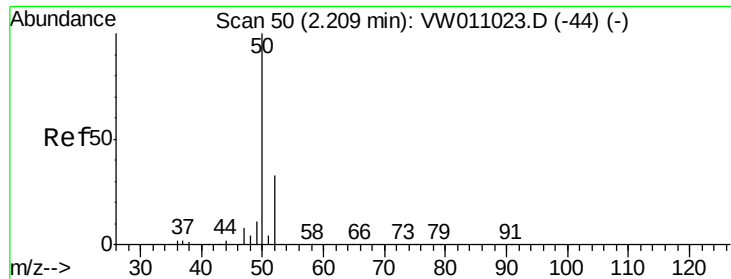
87 31.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 75.330 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

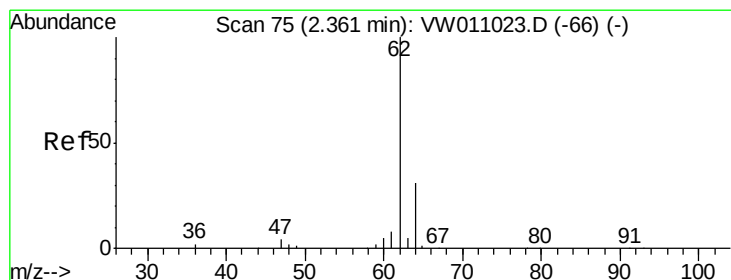
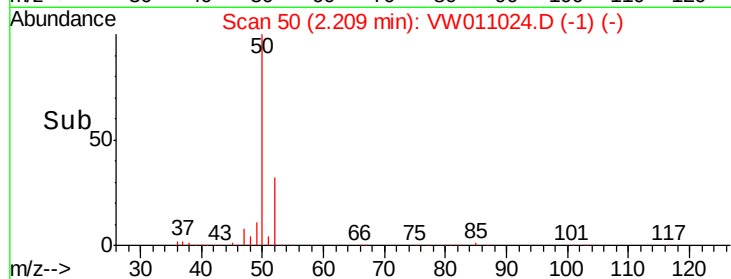
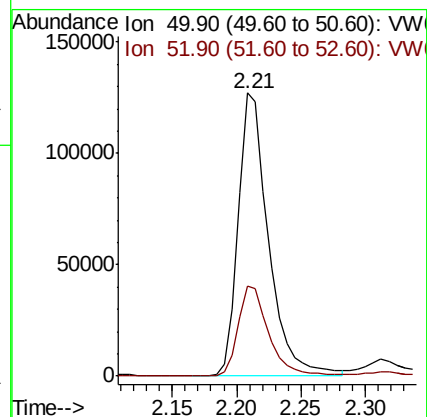
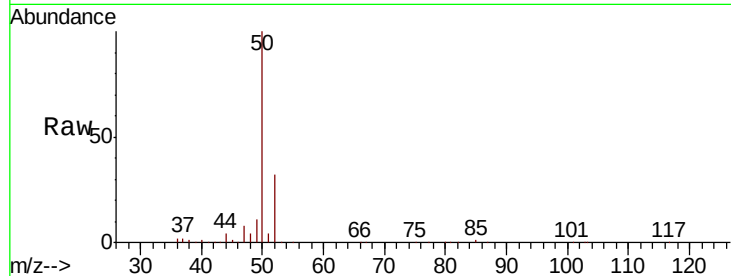
VSTDICC100

Tot Ion: 50 Resp: 207354

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0



#4

Vinyl Chloride

Concen: 101.873 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011024.D

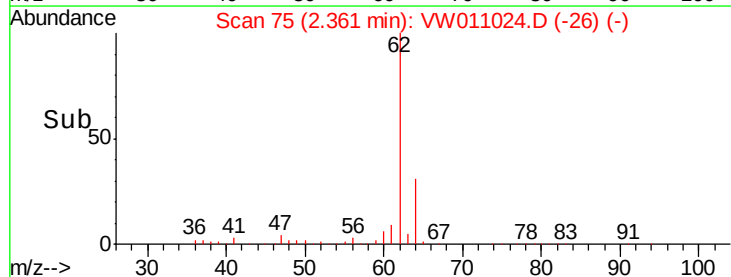
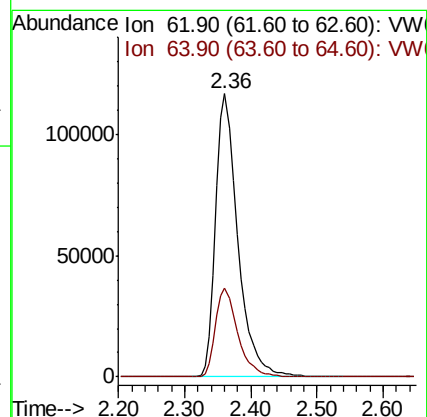
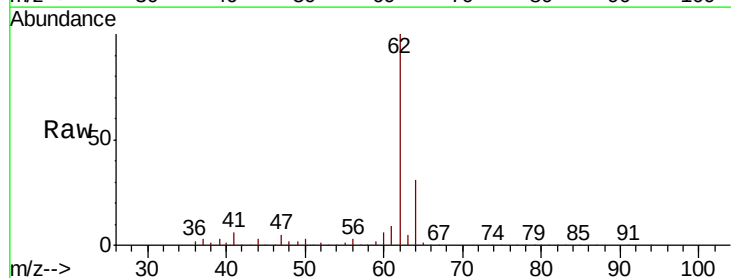
Acq: 27 Jun 2019 16:49

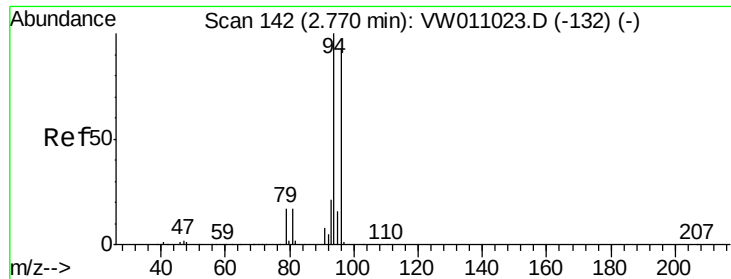
Tgt Ion: 62 Resp: 272640

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 94.282 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

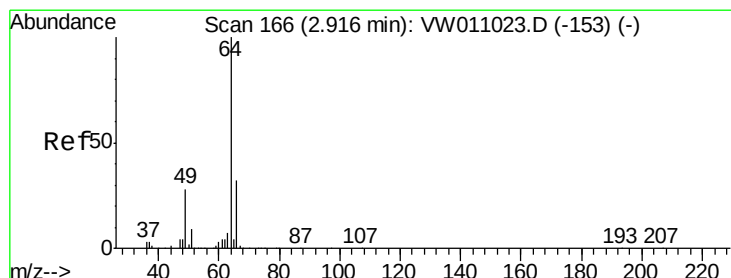
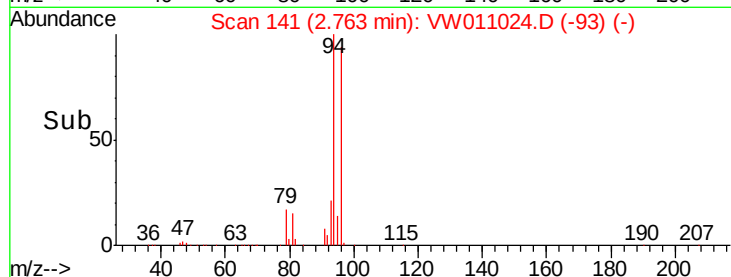
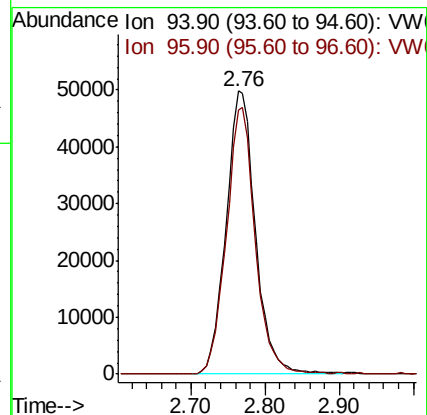
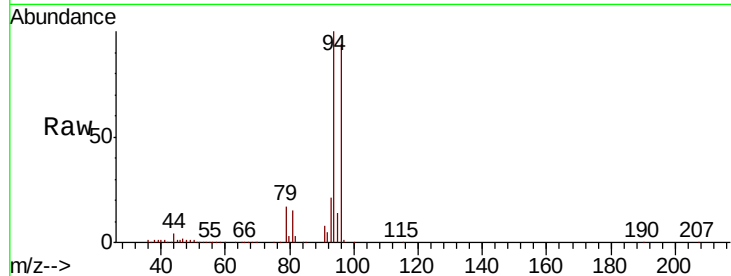
VSTDIC100

Tot Ion: 94 Resp: 136717

Ion Ratio Lower Upper

94 100

96 93.5 74.2 111.2



#6

Chloroethane

Concen: 98.429 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011024.D

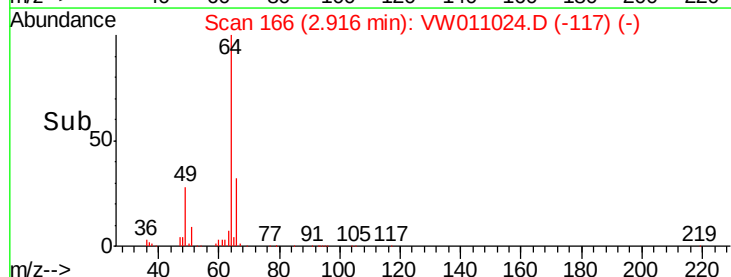
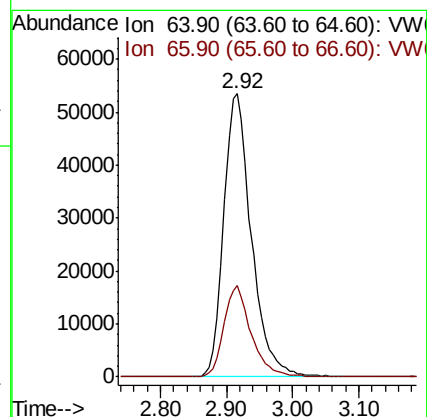
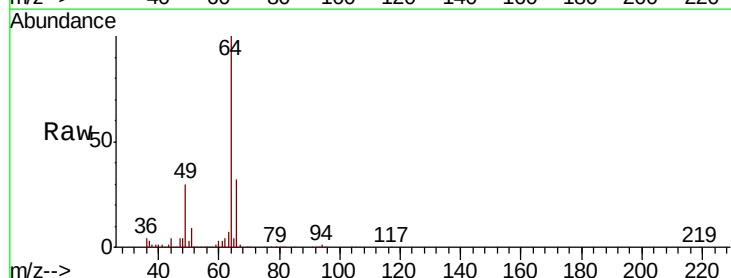
Acq: 27 Jun 2019 16:49

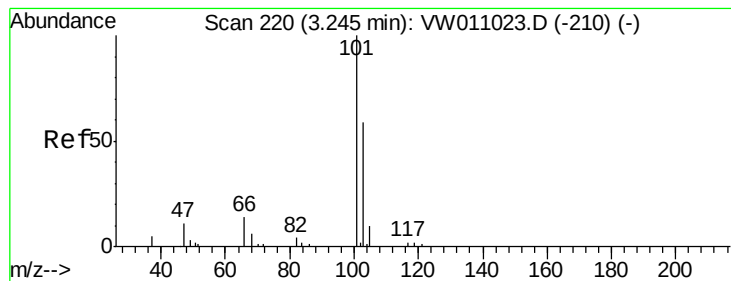
Tgt Ion: 64 Resp: 154508

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5



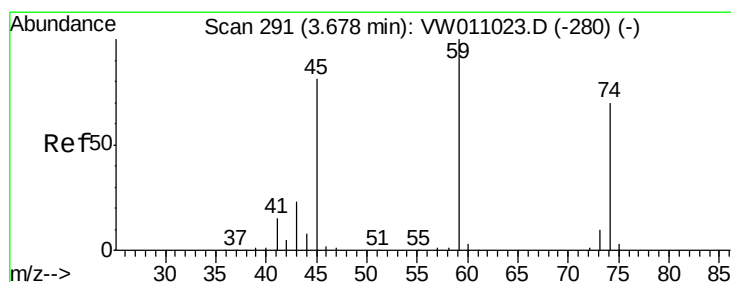
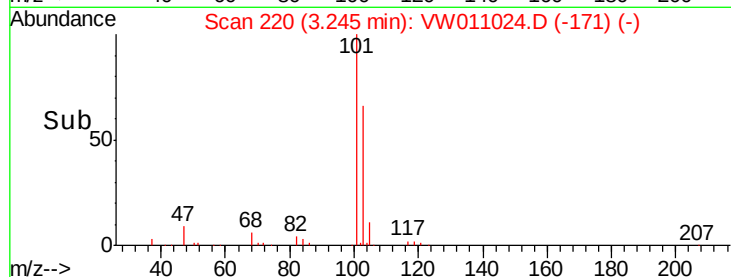
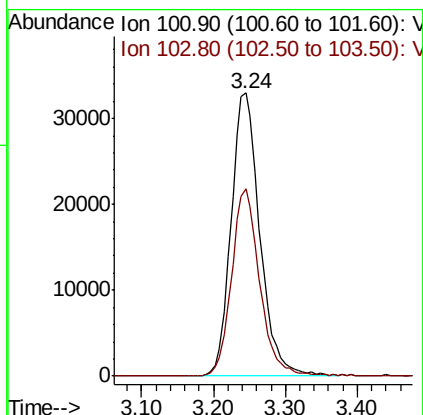
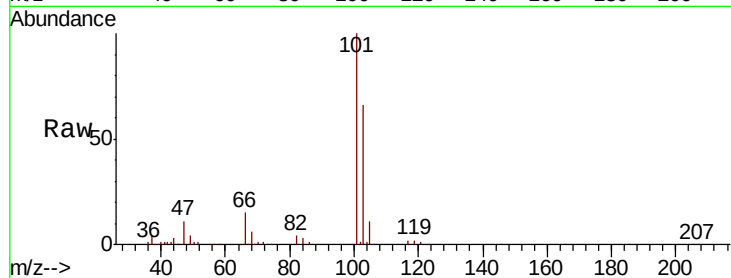


#7

Trichlorofluoromethane
Concen: 30.231 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

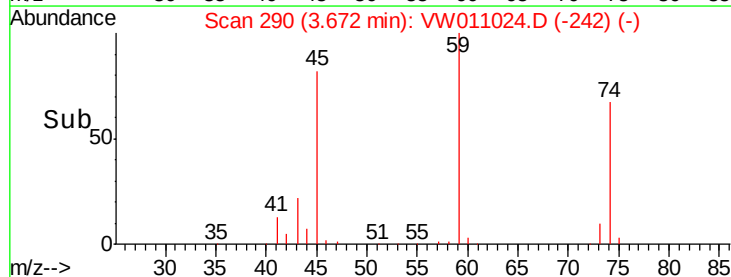
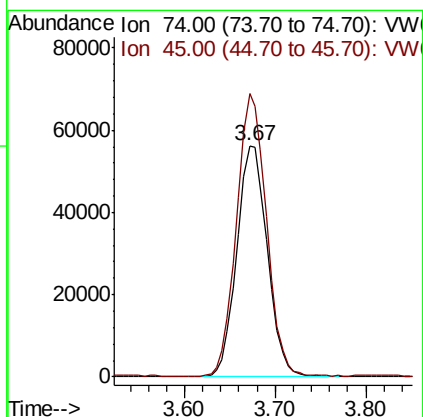
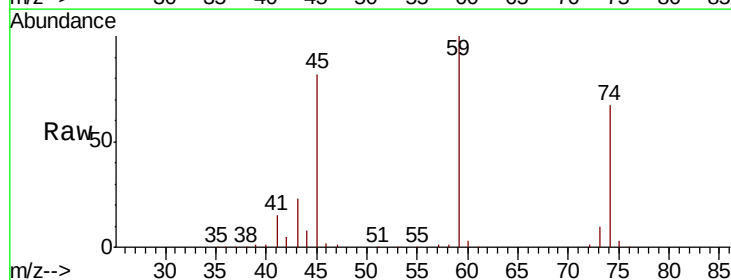
Tot Ion:101 Resp: 91312
Ion Ratio Lower Upper
101 100
103 66.2 47.5 71.3

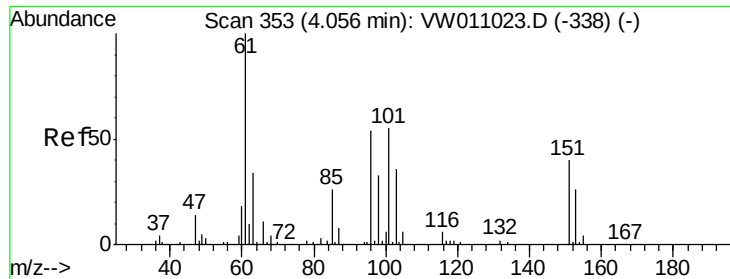


#8

Diethyl Ether
Concen: 106.421 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 74 Resp: 131320
Ion Ratio Lower Upper
74 100
45 119.6 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 109.545 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

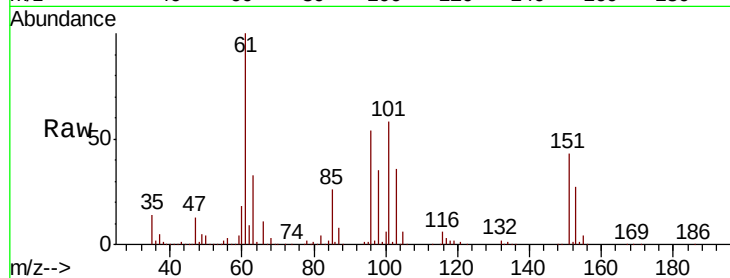
Tot Ion:101 Resp: 233500

Ion Ratio Lower Upper

101 100

85 45.3 36.6 55.0

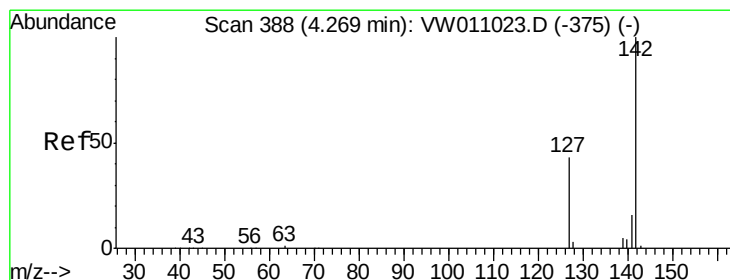
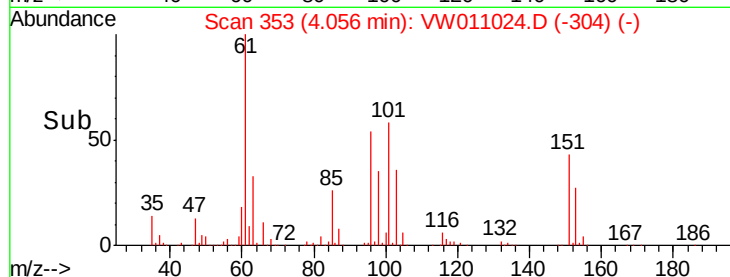
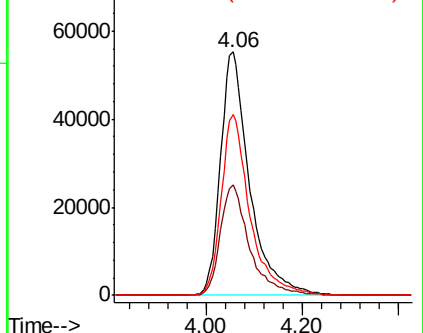
151 73.1 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 162.851 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

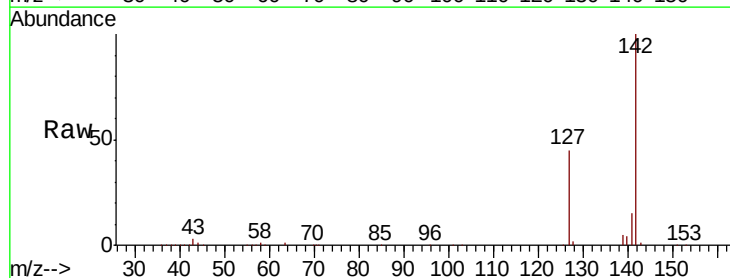
Tgt Ion:142 Resp: 332982

Ion Ratio Lower Upper

142 100

127 44.9 35.8 53.8

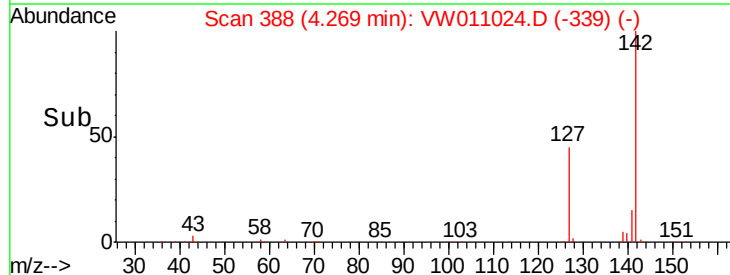
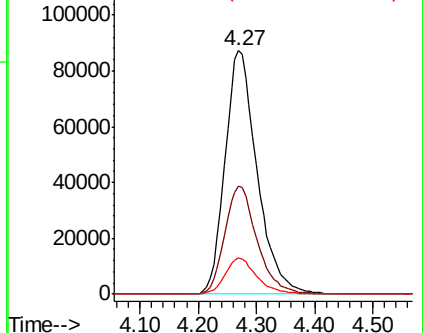
141 14.6 12.2 18.2

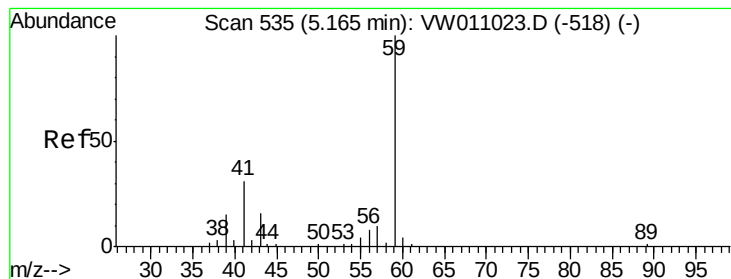


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



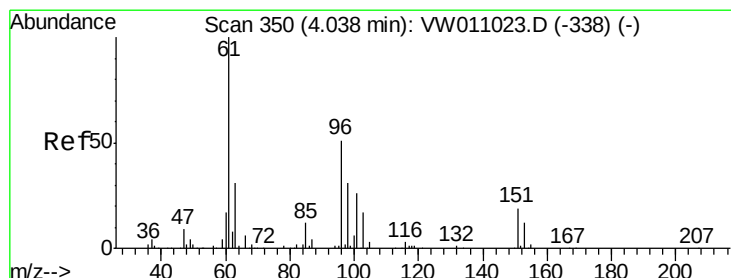
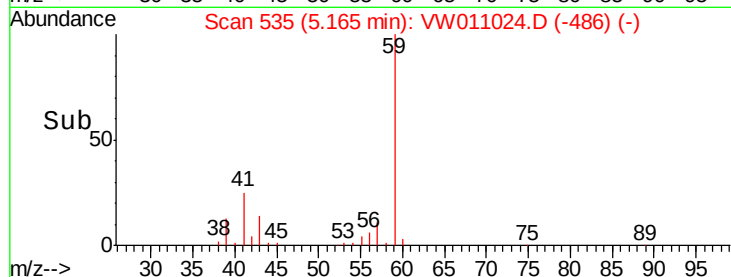
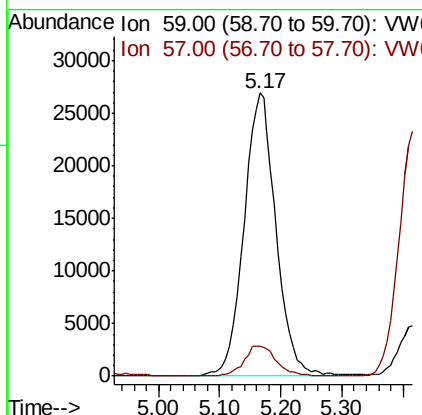
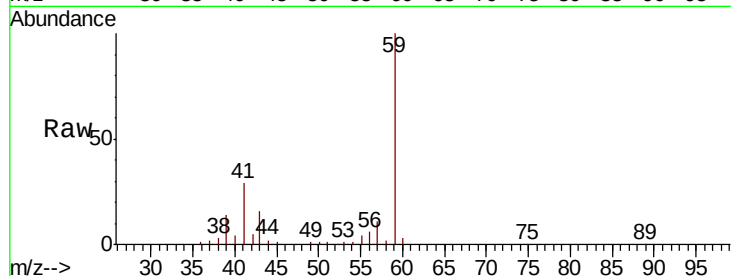


#11

Tert butyl alcohol
 Concen: 485.537 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

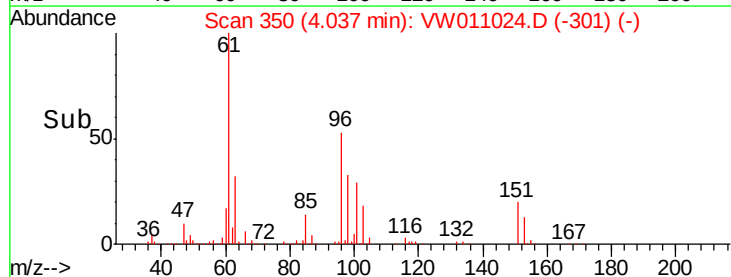
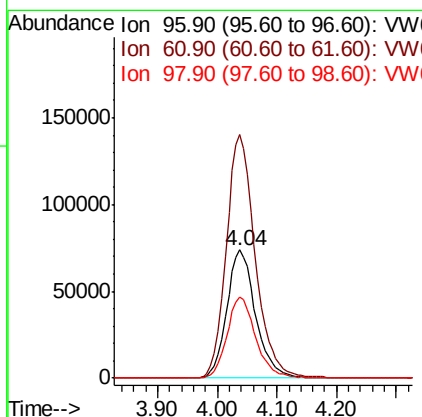
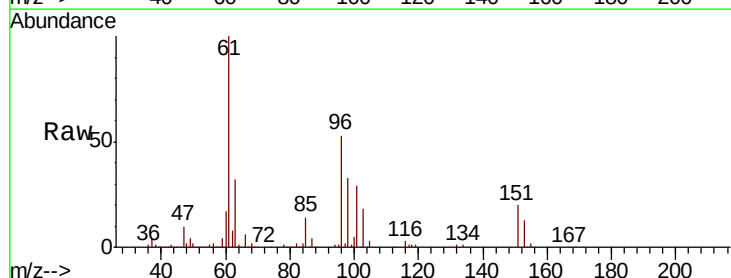
Tot Ion: 59 Resp: 97762
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.4

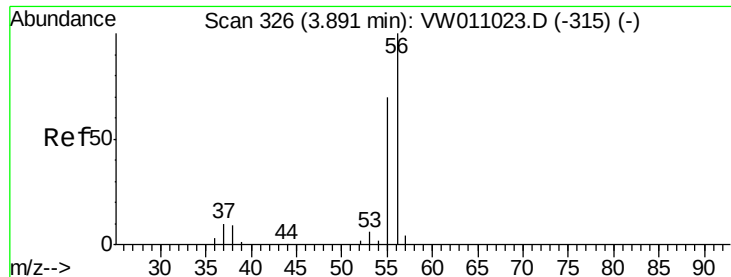


#12

1,1-Dichloroethene
 Concen: 118.671 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 96 Resp: 248168
 Ion Ratio Lower Upper
 96 100
 61 189.7 156.0 234.0
 98 63.1 48.7 73.1





#13

Acrolein

Concen: 772.366 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

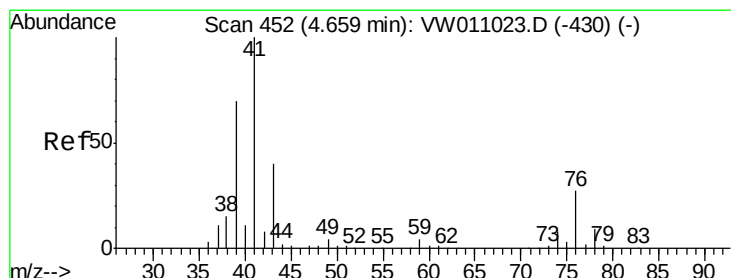
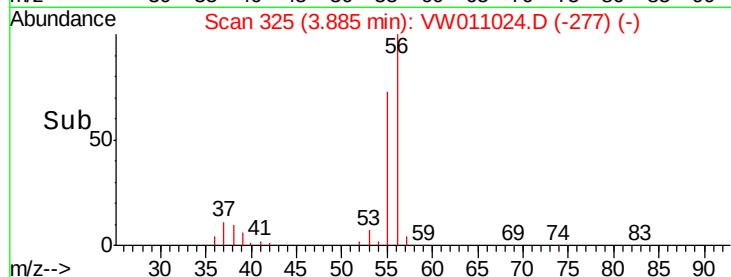
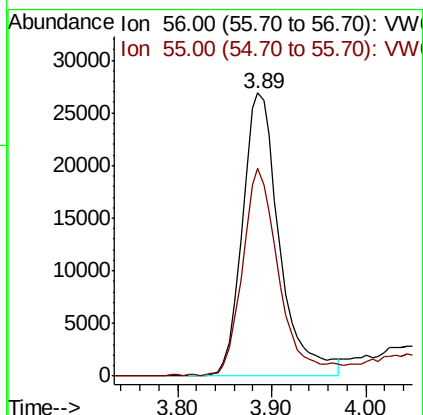
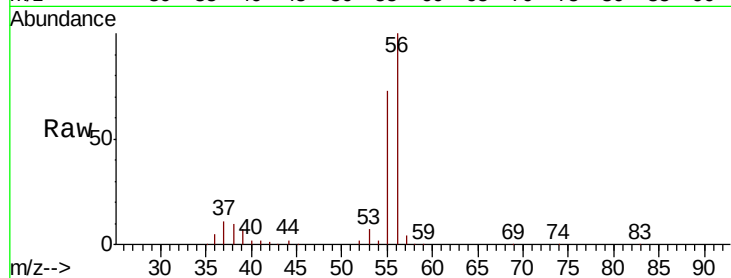
VSTDIC100

Tot Ion: 56 Resp: 74482

Ion Ratio Lower Upper

56 100

55 71.6 55.7 83.5



#14

Allyl chloride

Concen: 93.774 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

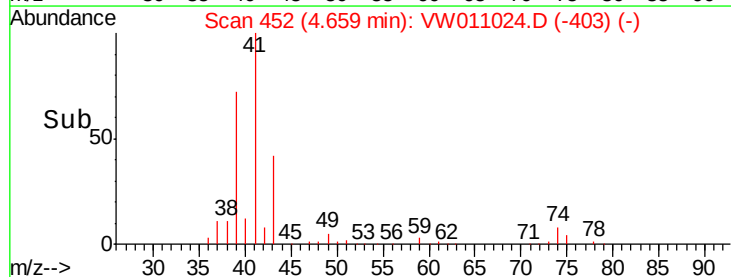
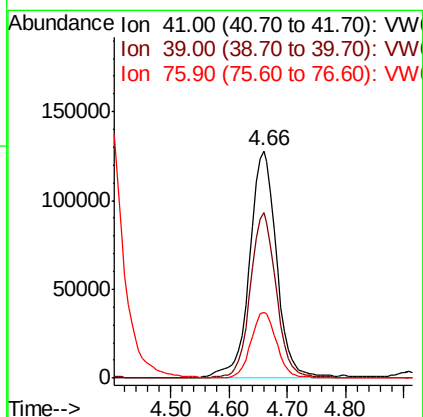
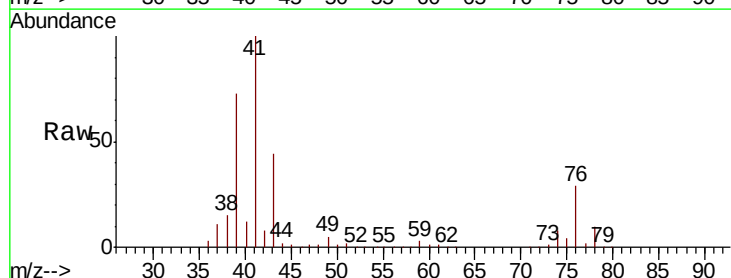
Tgt Ion: 41 Resp: 411321

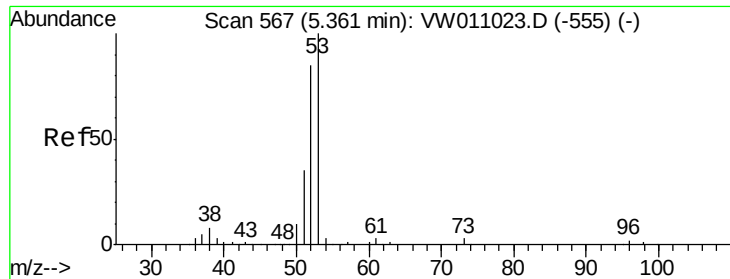
Ion Ratio Lower Upper

41 100

39 69.7 55.4 83.2

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 558.791 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

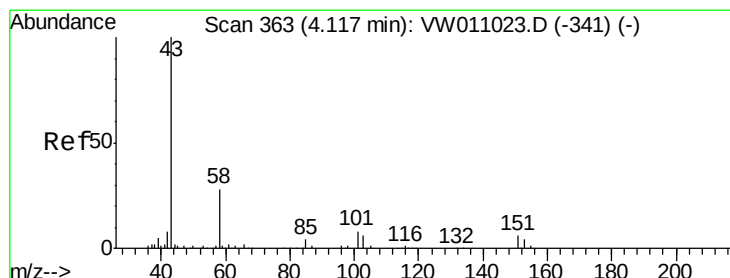
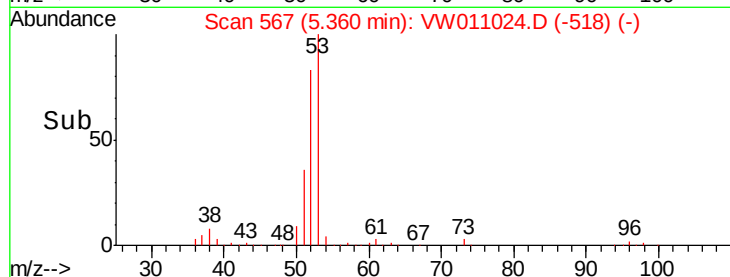
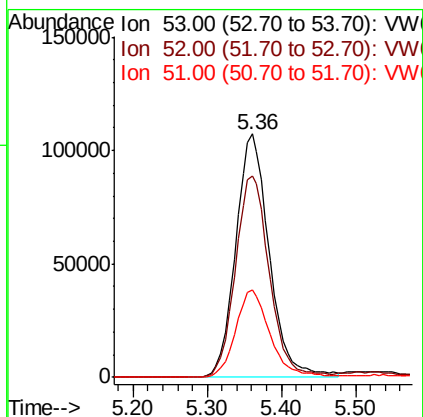
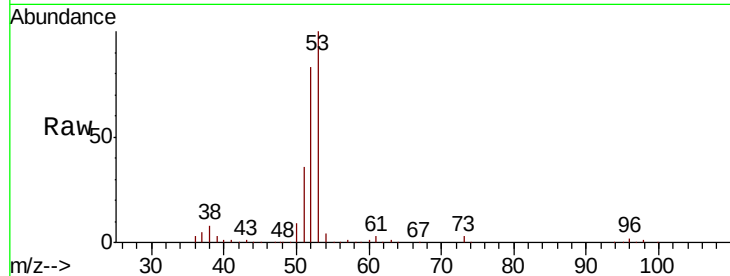
Tot Ion: 53 Resp: 339333

Ion Ratio Lower Upper

53 100

52 83.5 66.3 99.5

51 37.0 29.8 44.6



#16

Acetone

Concen: 536.873 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011024.D

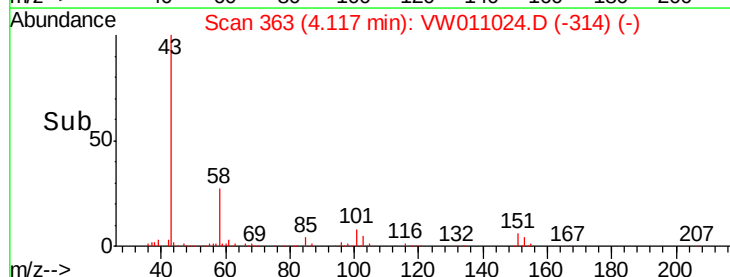
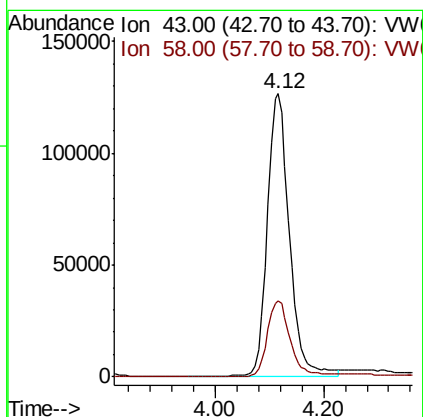
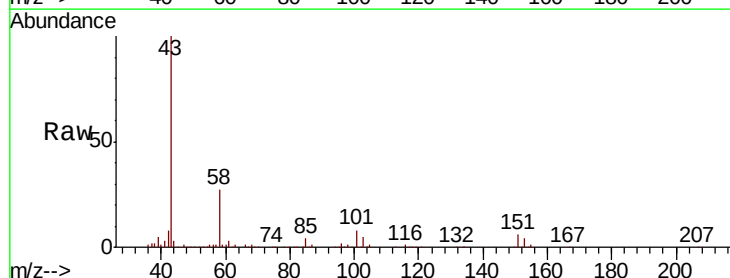
Acq: 27 Jun 2019 16:49

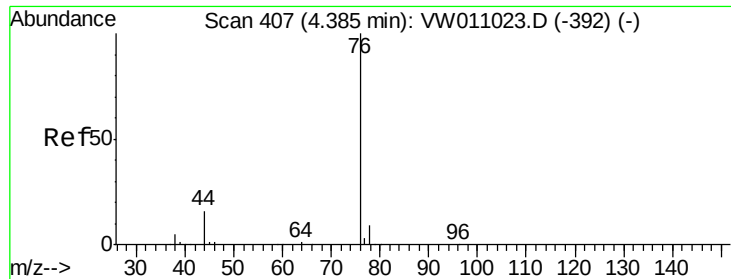
Tgt Ion: 43 Resp: 356762

Ion Ratio Lower Upper

43 100

58 26.8 22.5 33.7

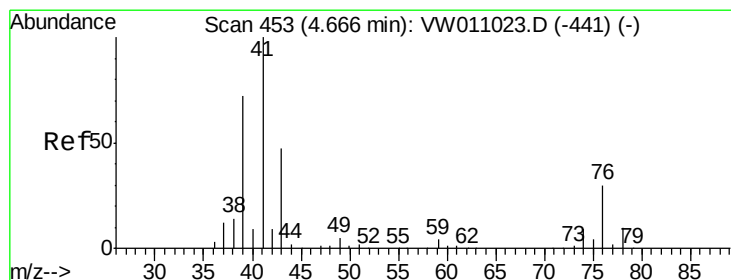
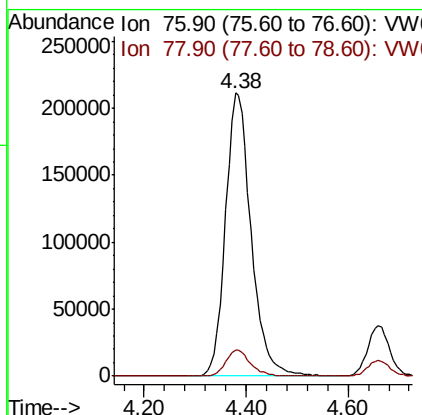
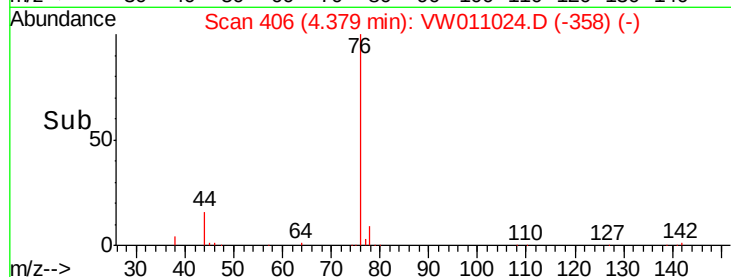
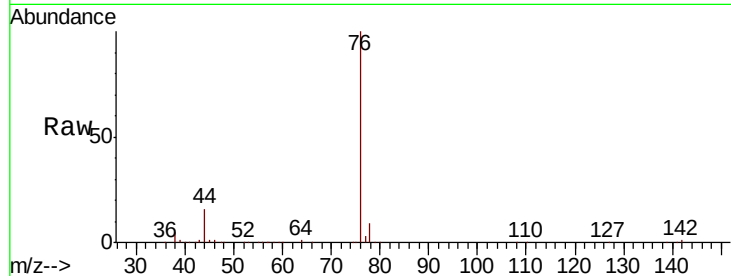




#17
Carbon Disulfide
Concen: 112.355 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

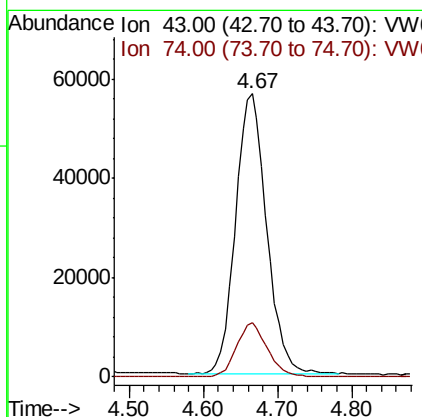
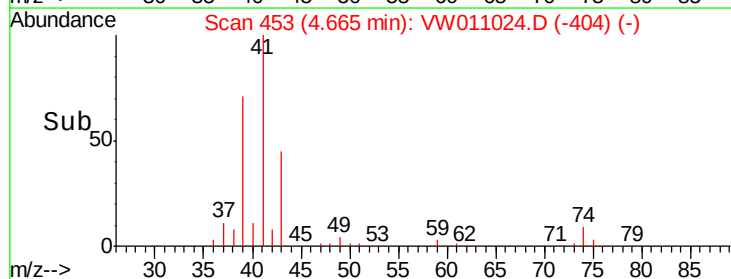
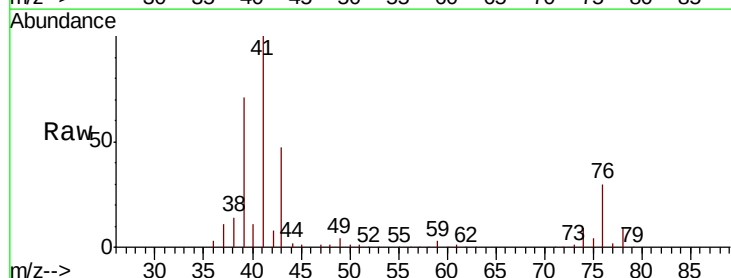
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

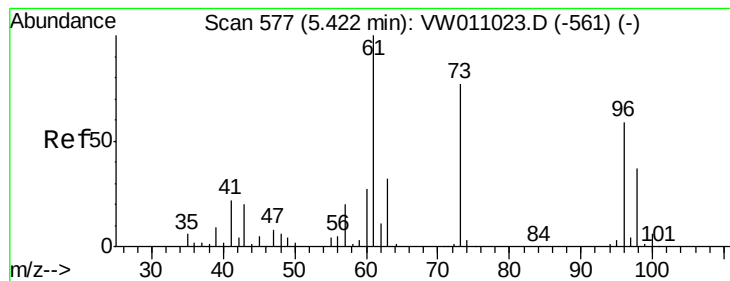
Tot Ion: 76 Resp: 736789
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 112.035 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 43 Resp: 165069
Ion Ratio Lower Upper
43 100
74 19.3 15.8 23.8



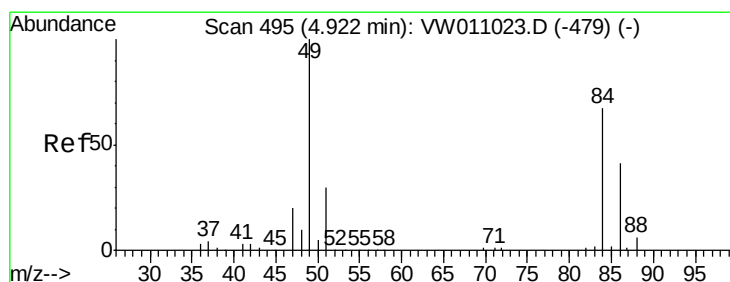
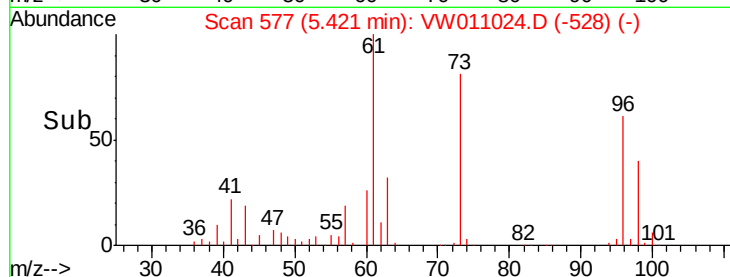
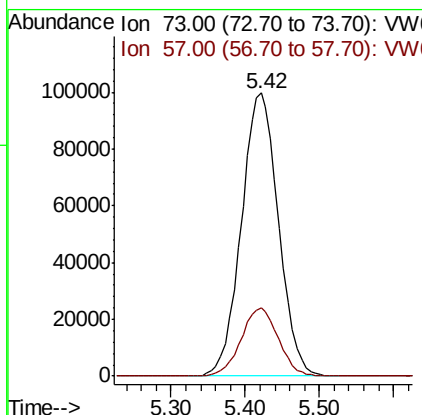
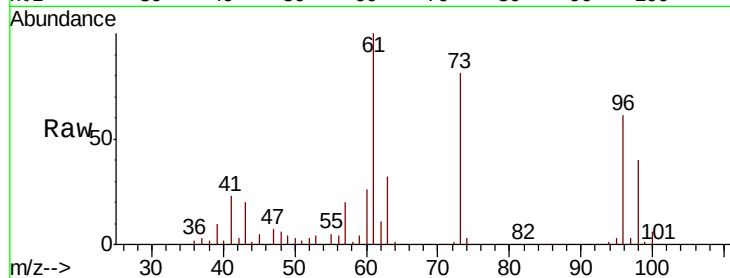


#19

Methyl tert-butyl Ether
 Concen: 63.342 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

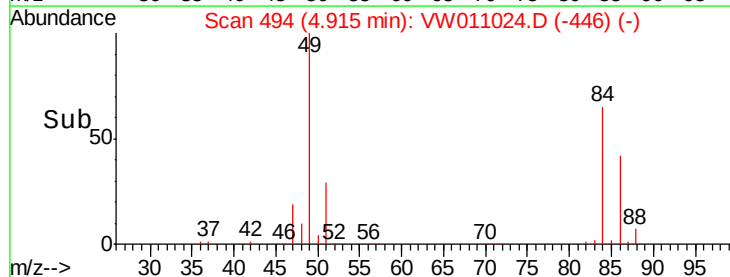
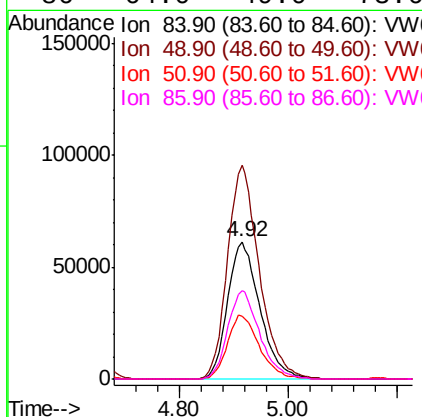
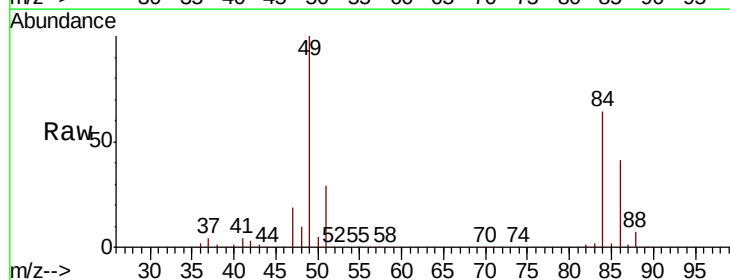
Tot Ion: 73 Resp: 347023
 Ion Ratio Lower Upper
 73 100
 57 24.2 20.8 31.2

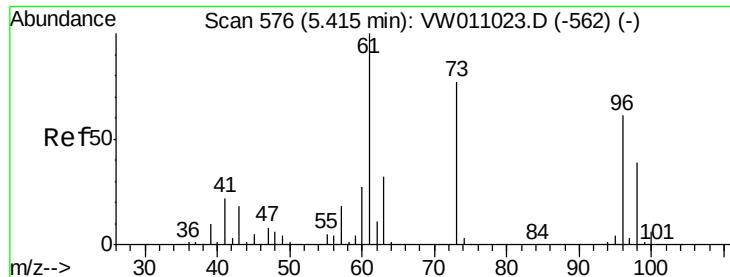


#20

Methylene Chloride
 Concen: 106.636 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 84 Resp: 253400
 Ion Ratio Lower Upper
 84 100
 49 155.7 119.6 179.4
 51 45.8 35.6 53.4
 86 64.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 108.755 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

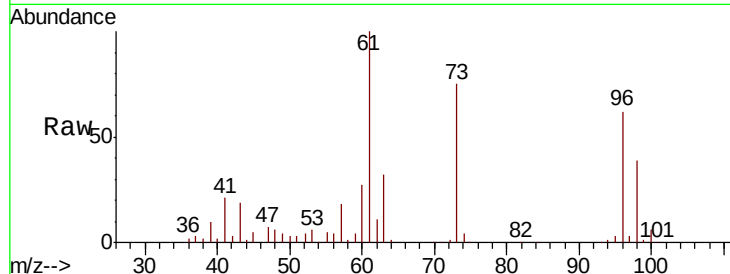
Tot Ion: 96 Resp: 252846

Ion Ratio Lower Upper

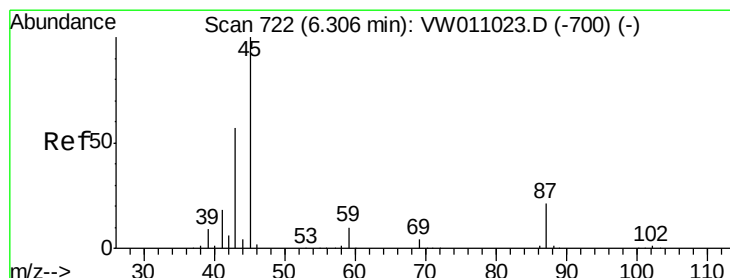
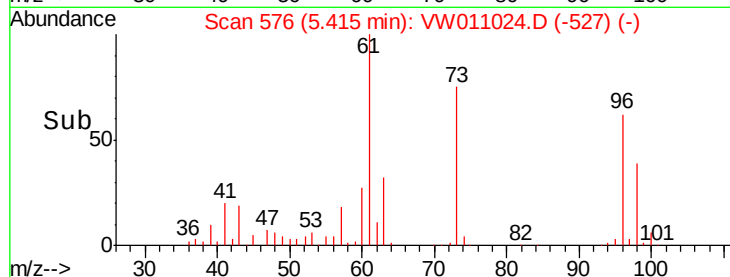
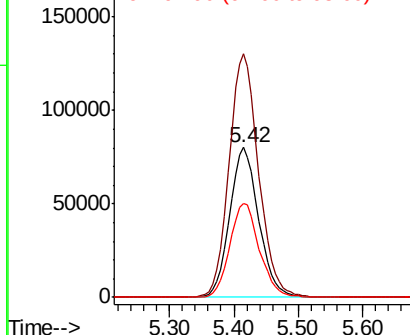
96 100

61 162.2 131.0 196.4

98 62.6 50.8 76.2



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: 105.754 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion: 45 Resp: 953853

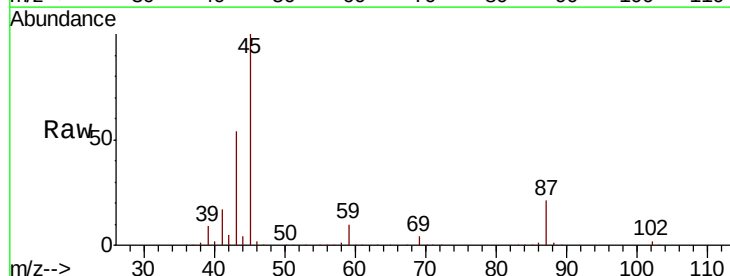
Ion Ratio Lower Upper

45 100

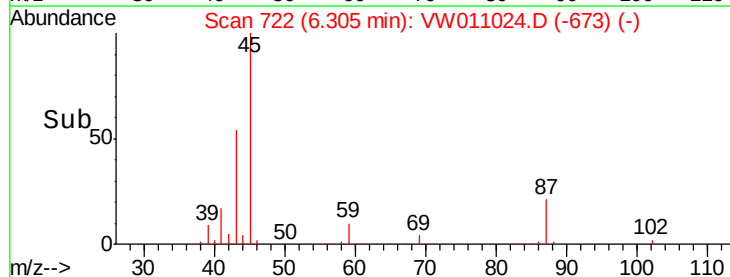
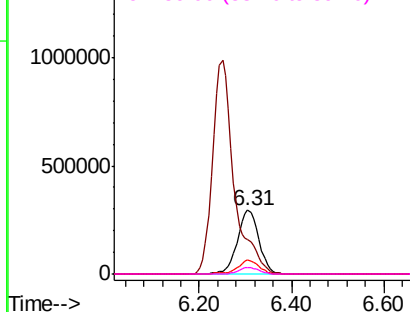
43 53.8 45.8 68.6

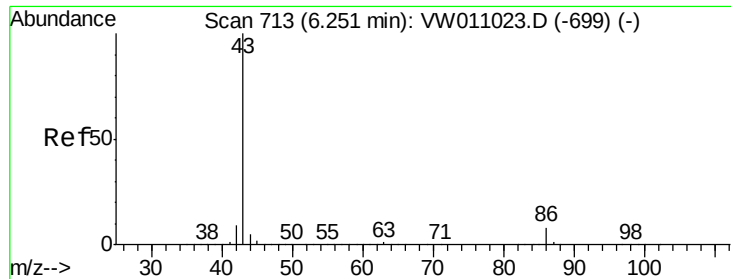
87 21.1 17.1 25.7

59 10.2 8.2 12.4



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: 581.628 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

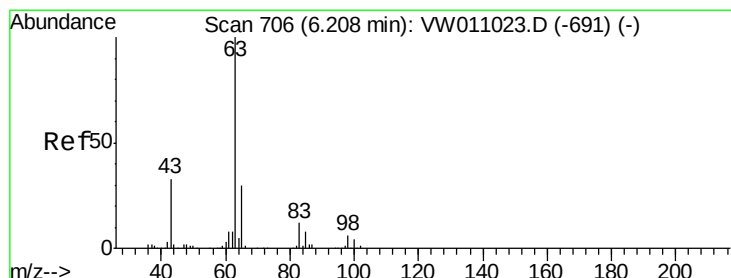
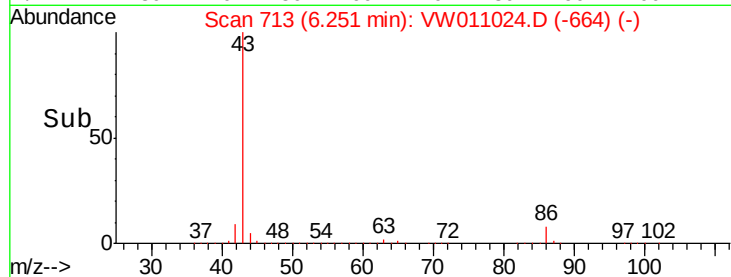
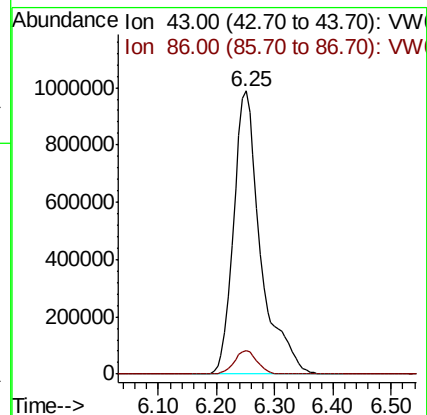
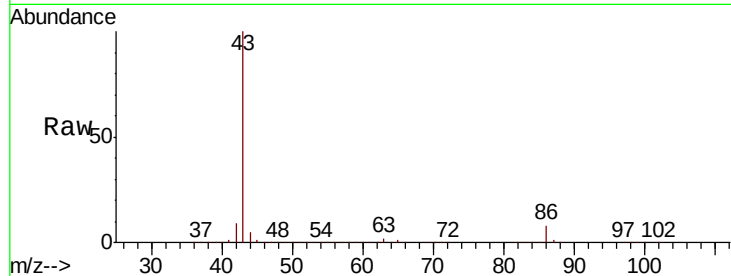
VSTDIC100

Tot Ion: 43 Resp: 3191514

Ion Ratio Lower Upper

43 100

86 8.3 6.6 10.0



#24

1,1-Dichloroethane

Concen: 110.378 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

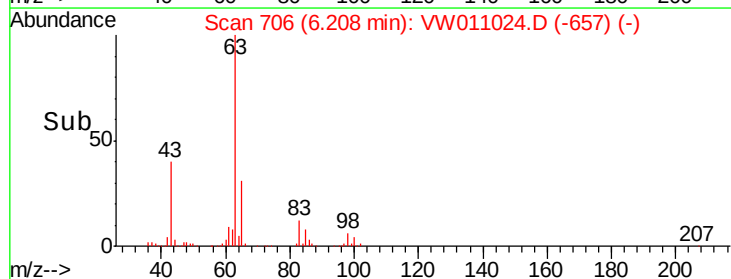
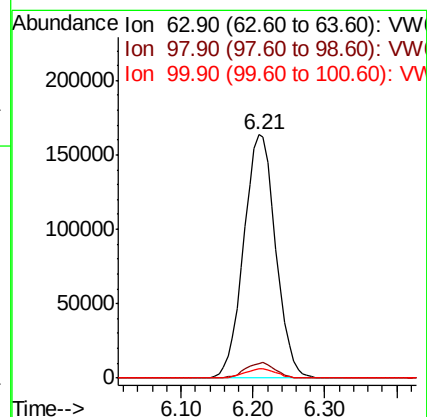
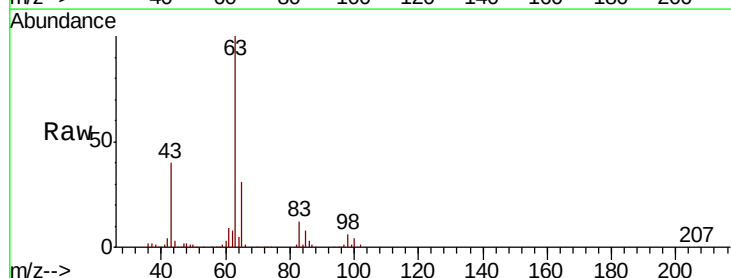
Tgt Ion: 63 Resp: 503312

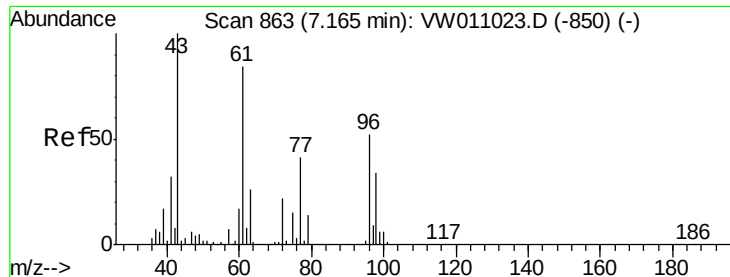
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 581.553 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

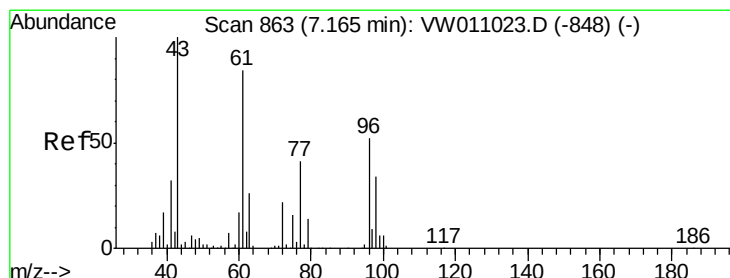
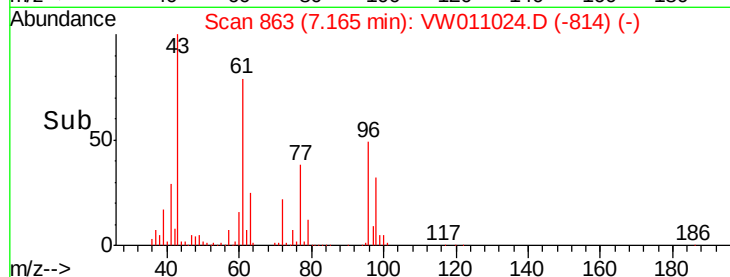
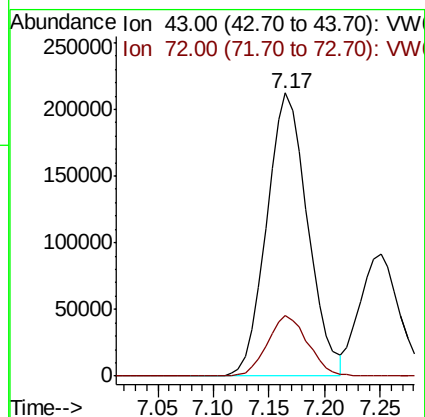
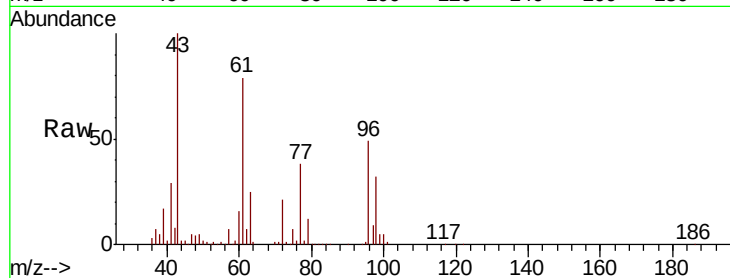
VSTDIC100

Tot Ion: 43 Resp: 544067

Ion Ratio Lower Upper

43 100

72 21.5 17.2 25.8



#26

2,2-Dichloropropane

Concen: 69.374 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011024.D

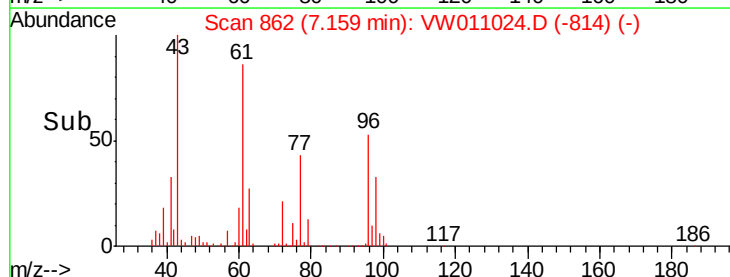
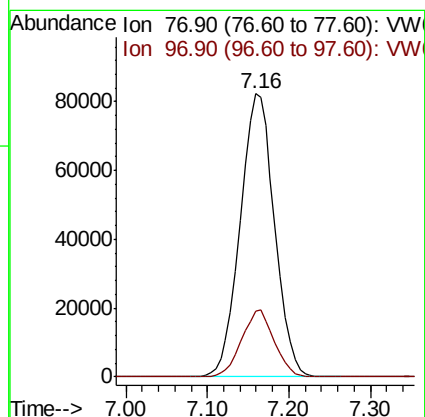
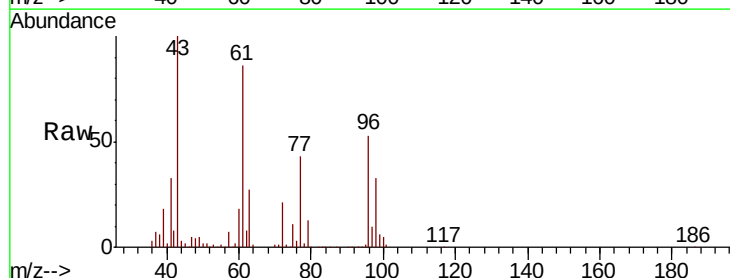
Acq: 27 Jun 2019 16:49

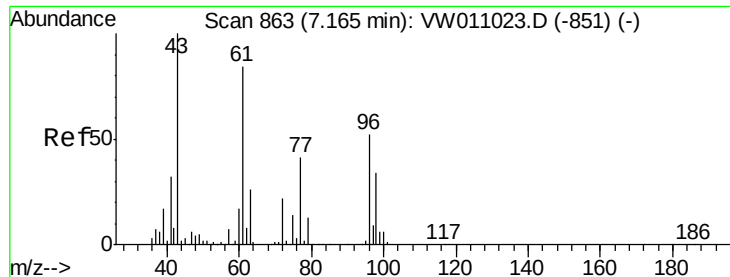
Tgt Ion: 77 Resp: 239974

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.7



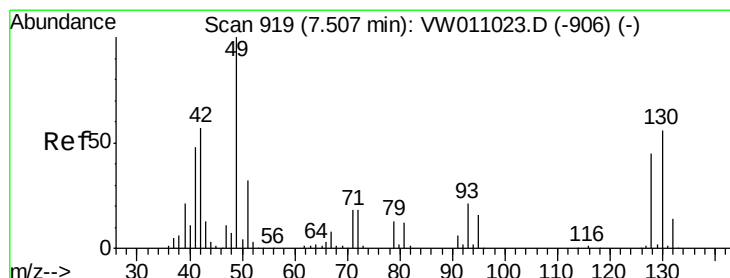
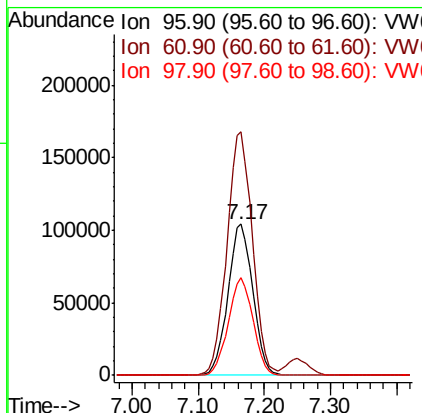
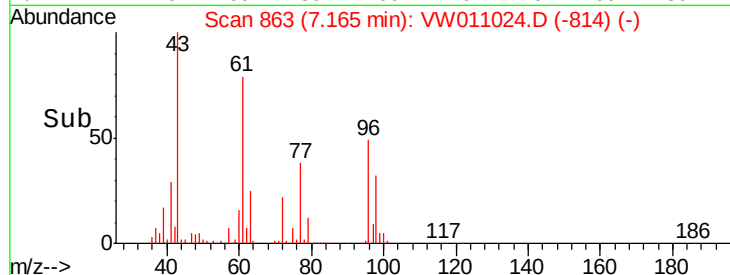
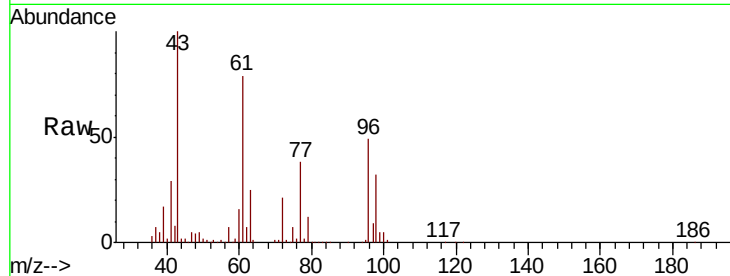


#27

cis-1,2-Dichloroethene
Concen: 106.257 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

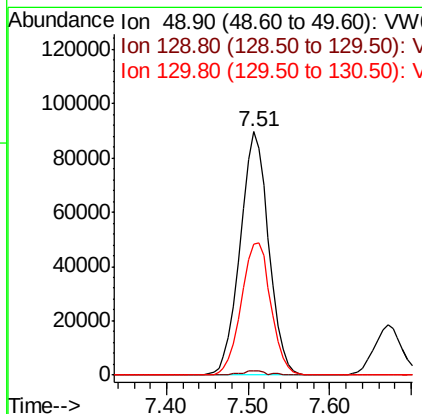
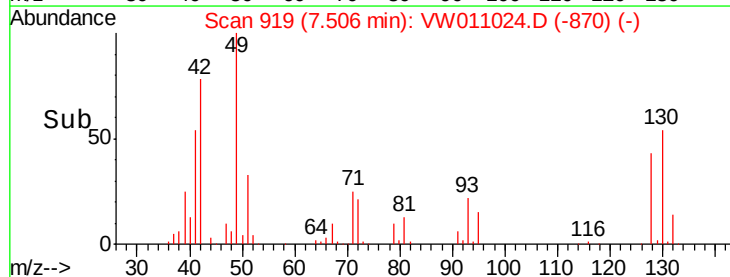
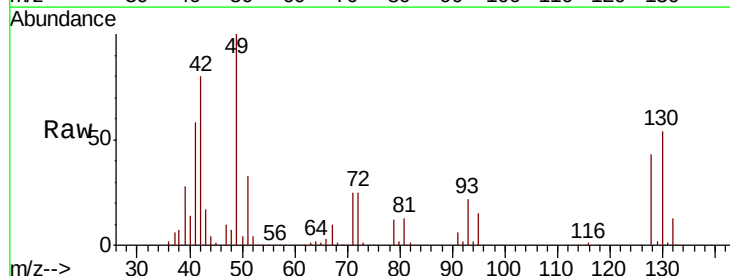
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	330.4
98	64.0	0.0	129.4

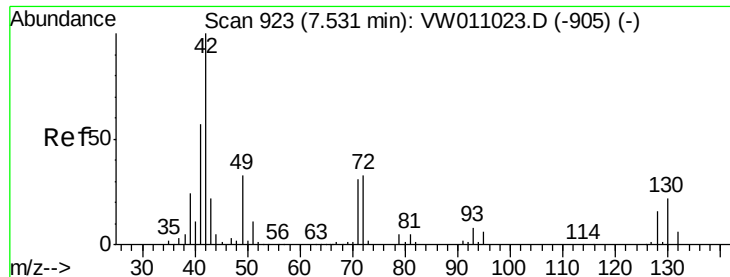


#28

Bromochloromethane
Concen: 104.127 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	56.5	46.1	69.1





#29

Tetrahydrofuran

Concen: 580.633 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

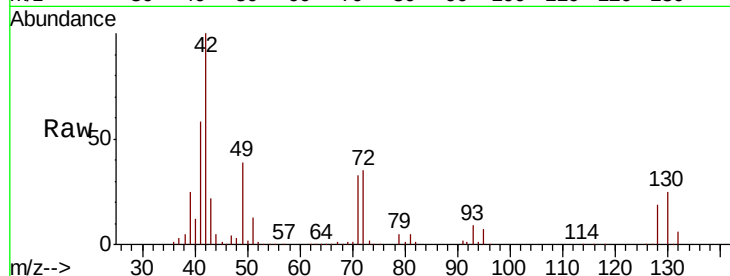
Tot Ion: 42 Resp: 344178

Ion Ratio Lower Upper

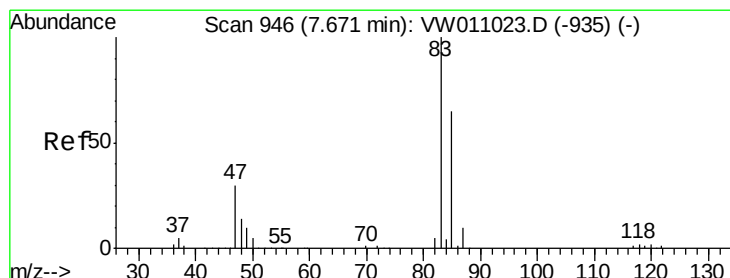
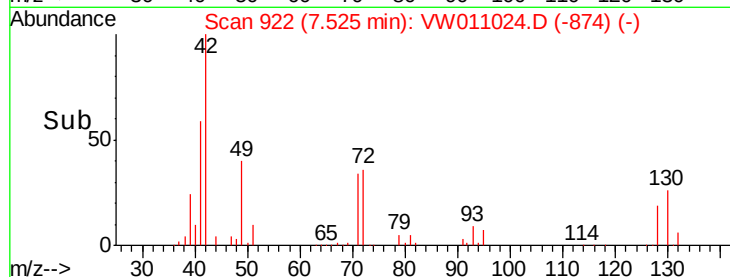
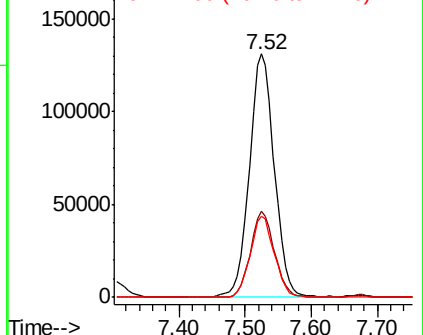
42 100

72 34.1 27.4 41.0

71 32.2 25.6 38.4



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



#30

Chloroform

Concen: 108.591 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011024.D

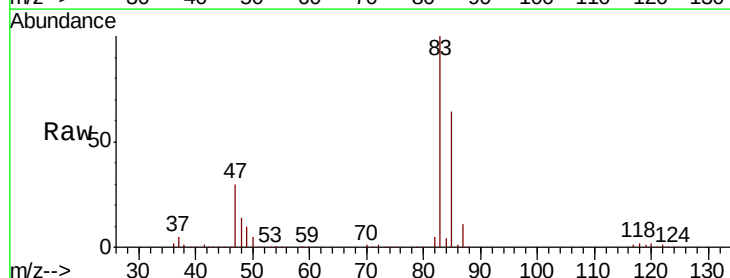
Acq: 27 Jun 2019 16:49

Tgt Ion: 83 Resp: 452653

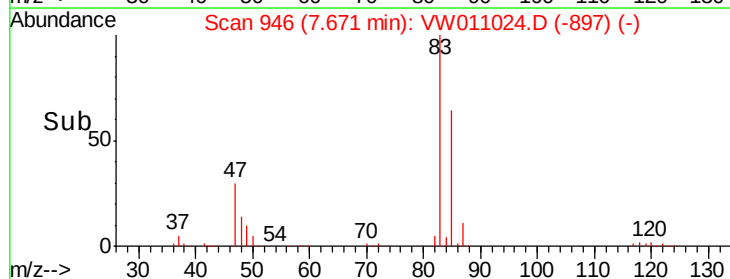
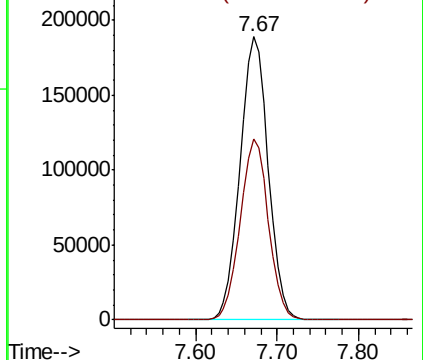
Ion Ratio Lower Upper

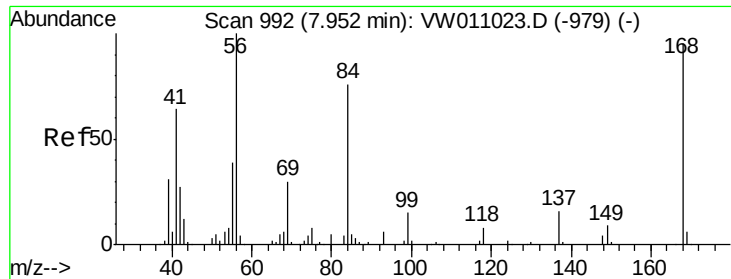
83 100

85 64.0 52.2 78.4



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

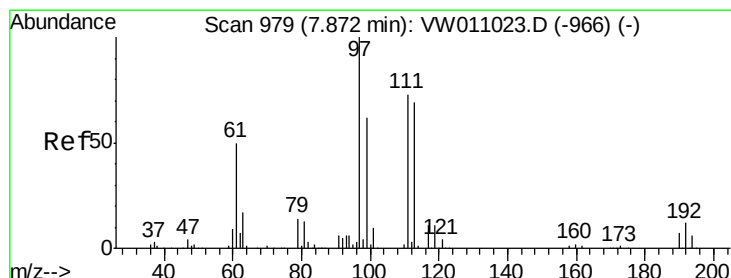
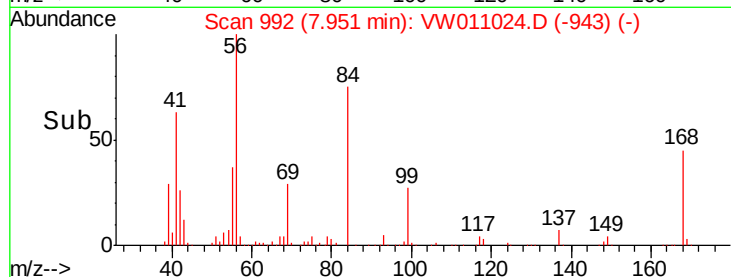
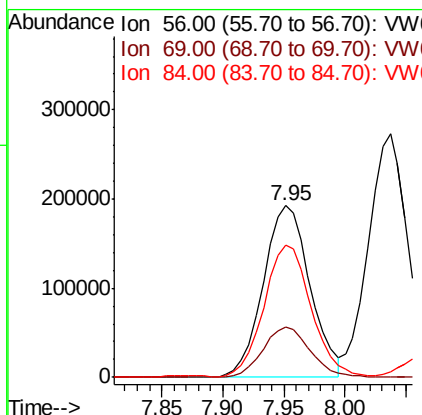
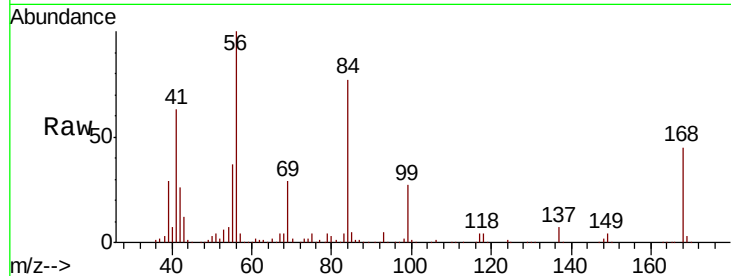




#31
Cyclohexane
Concen: 101.770 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

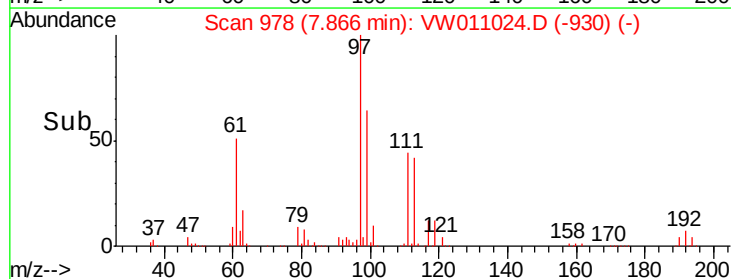
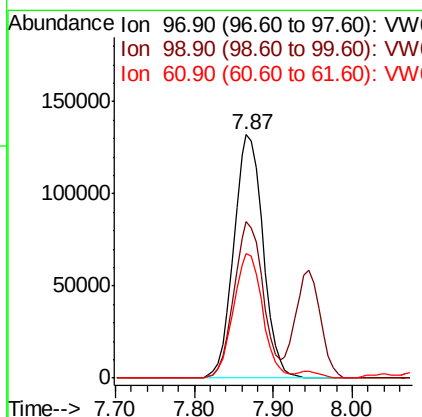
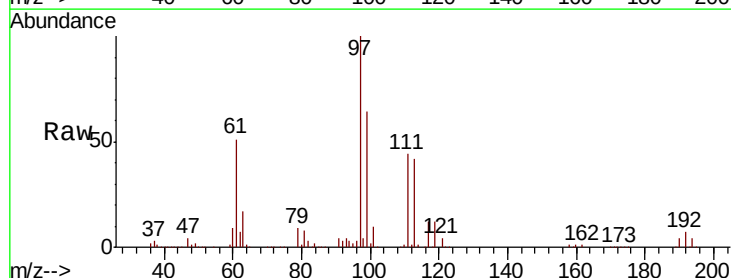
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

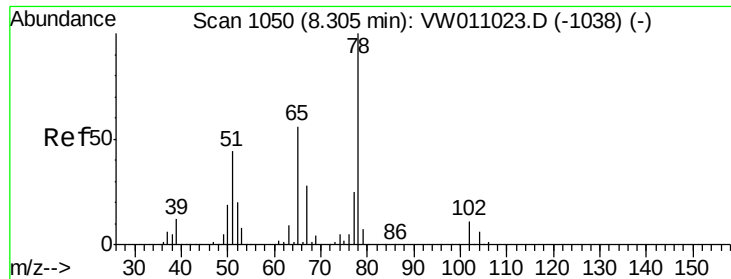
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.2	36.2
84	75.7	60.6	90.8



#32
1,1,1-Trichloroethane
Concen: 96.135 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	51.0	41.4	62.2

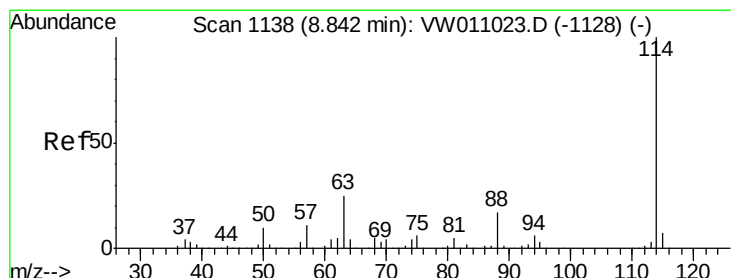
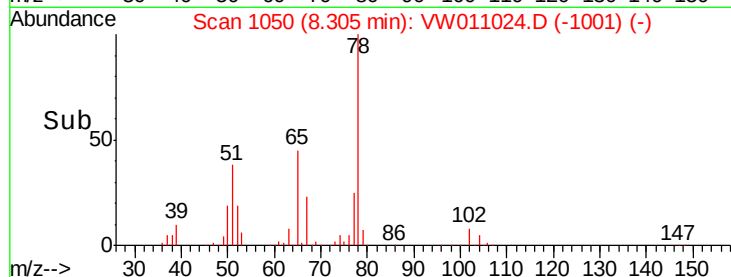
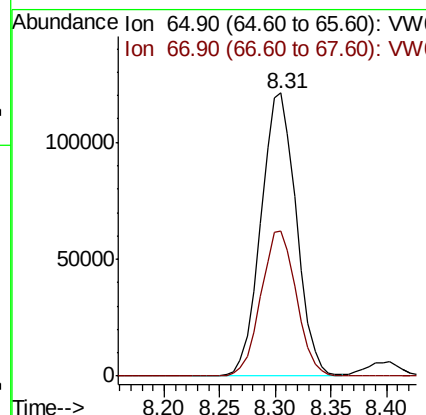
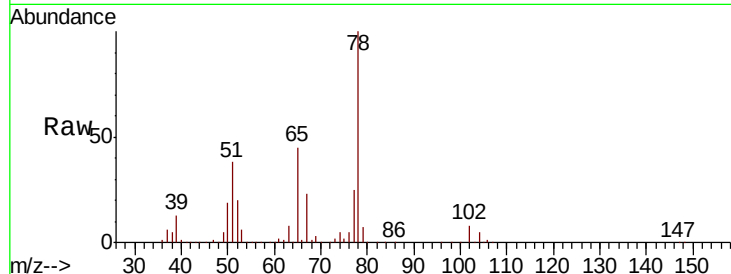




#33
 1,2-Dichloroethane-d4
 Concen: 103.398 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

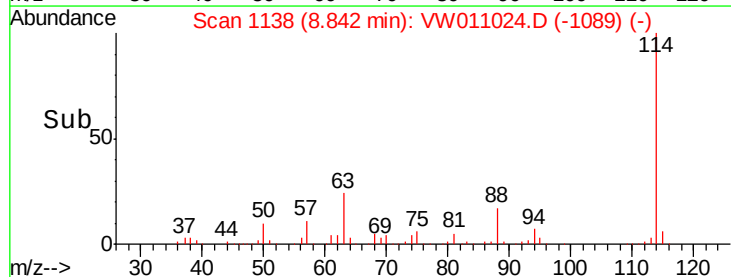
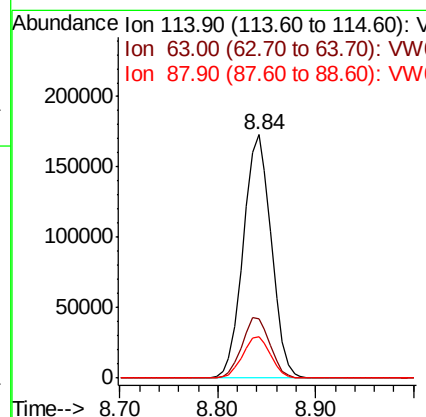
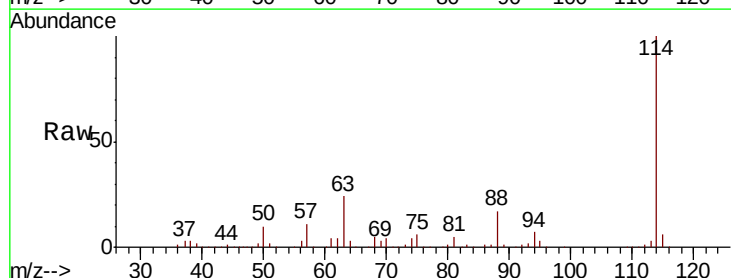
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

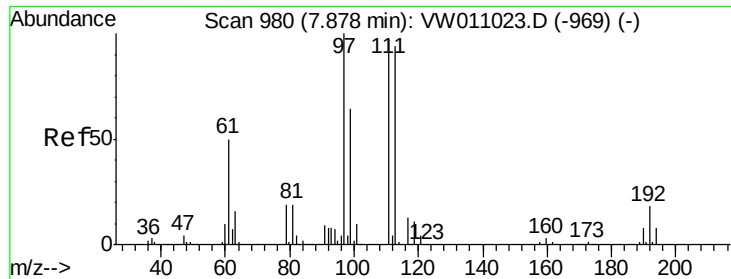
Tot Ion: 65 Resp: 267424
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 114 Resp: 342798
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.6
 88 16.8 0.0 34.0

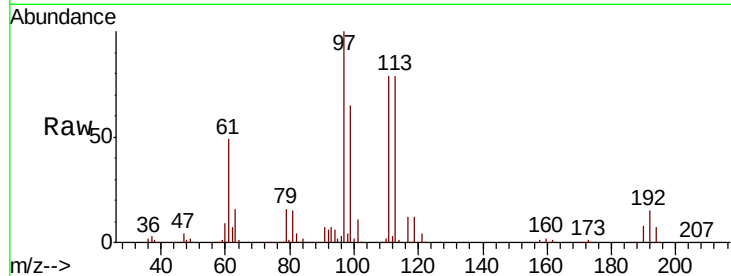




#35
 Dibromofluoromethane
 Concen: 108.198 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	19.5	16.0	24.0

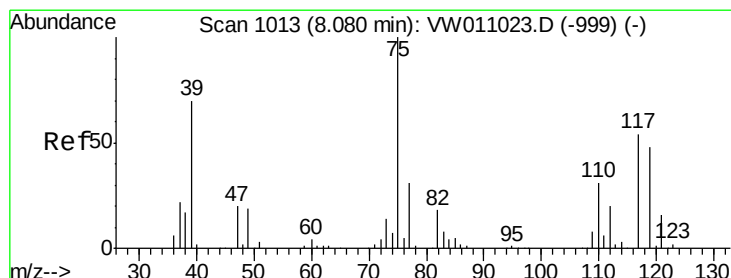
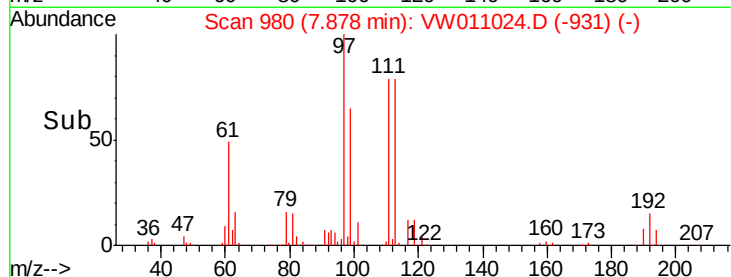
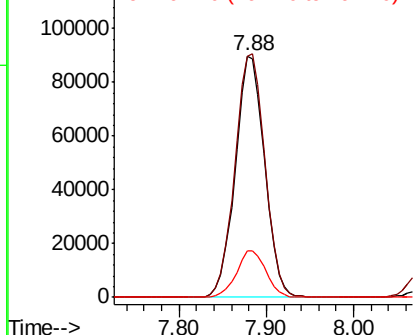


Abundance

Ion 112.80 (112.50 to 113.50): V

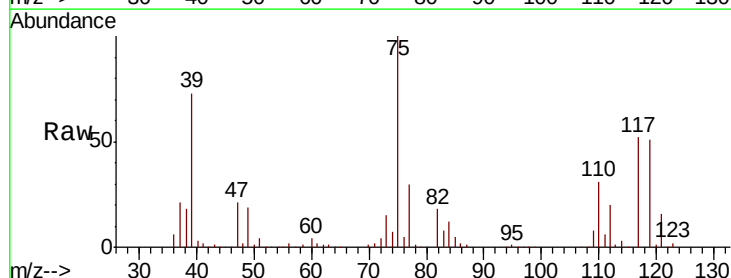
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 107.752 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.5	46.5
77	30.9	24.9	37.3

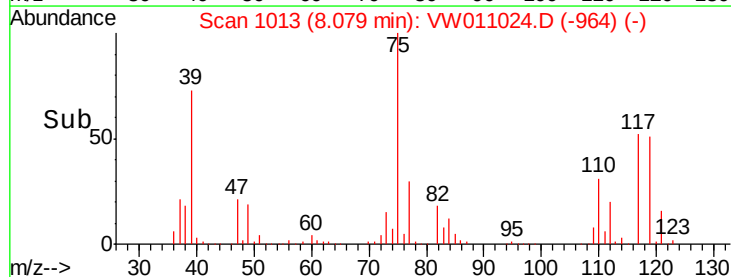
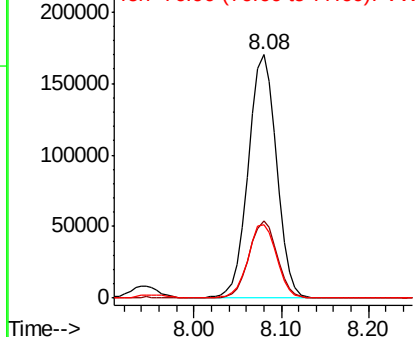


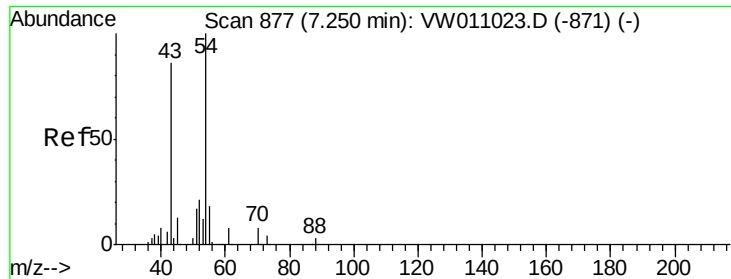
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

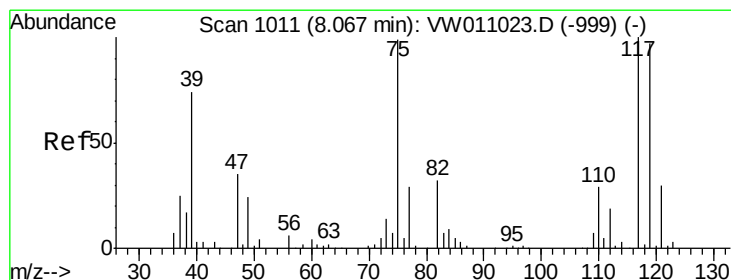
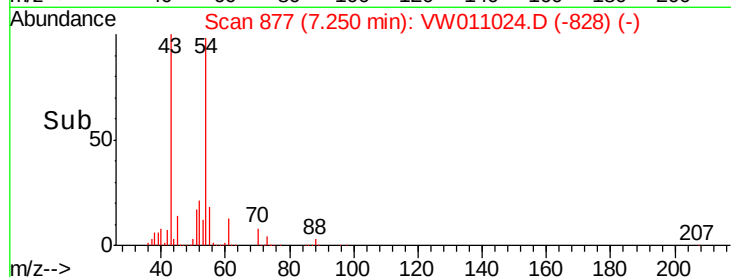
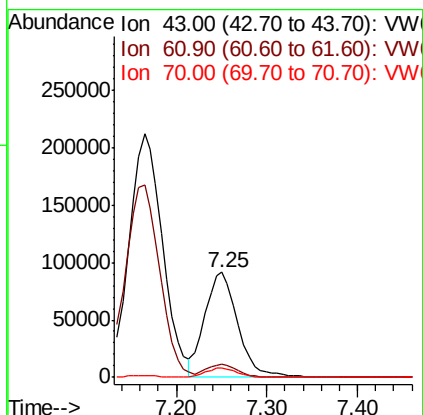
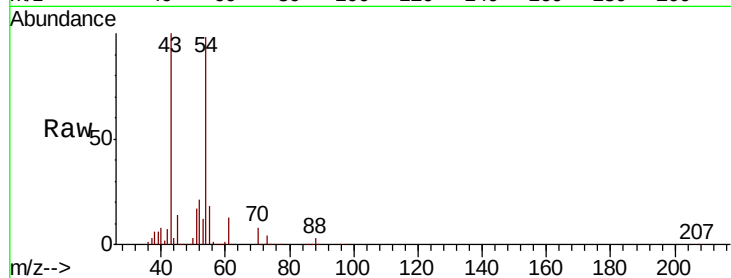




#37
Ethyl Acetate
Concen: 116.378 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

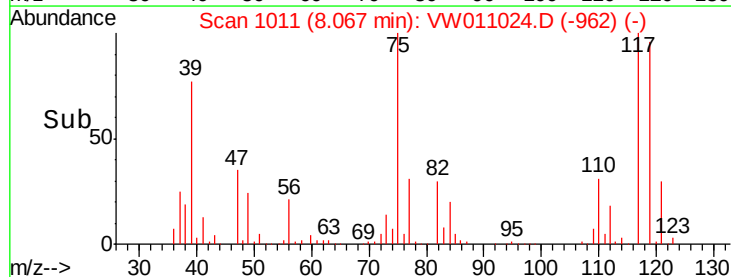
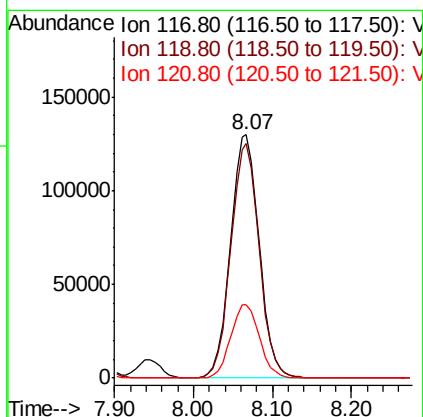
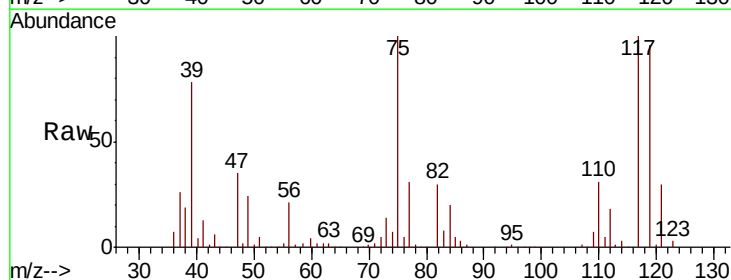
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

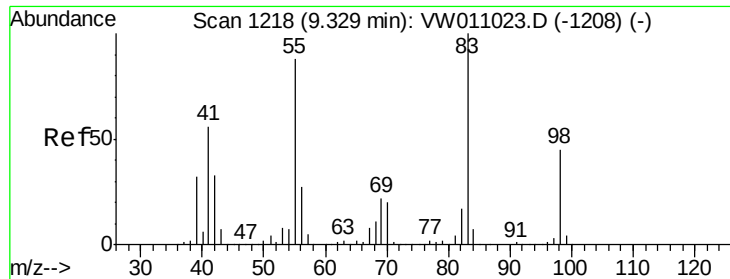
Tot Ion: 43 Resp: 231901
Ion Ratio Lower Upper
43 100
61 11.7 9.0 13.4
70 8.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 107.928 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 117 Resp: 327144
Ion Ratio Lower Upper
117 100
119 96.4 77.7 116.5
121 30.0 23.9 35.9

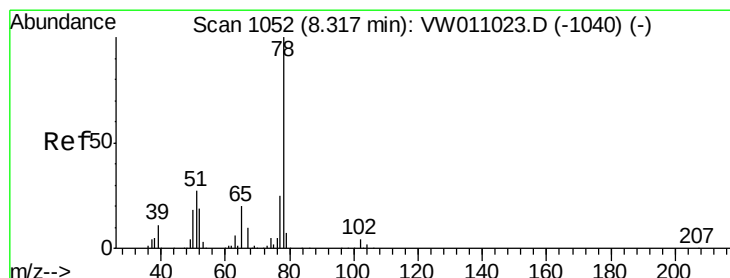
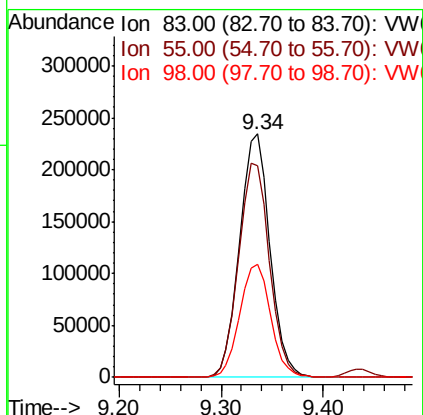
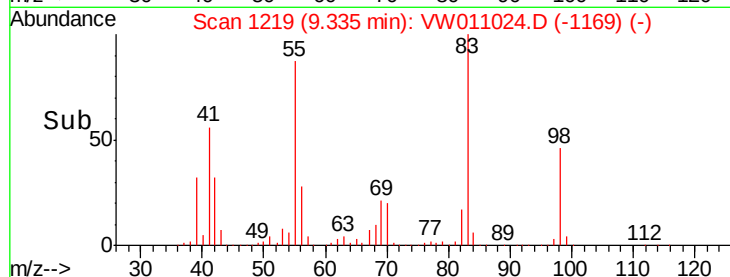
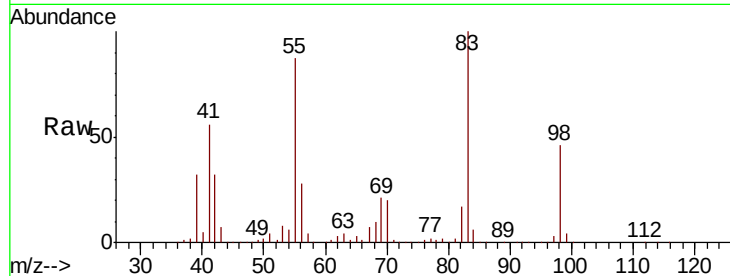




#39
Methylvlcyclohexane
Concen: 108.467 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

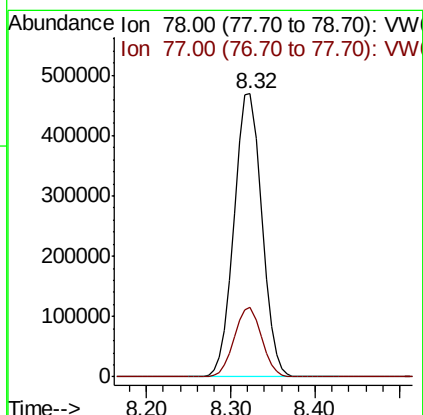
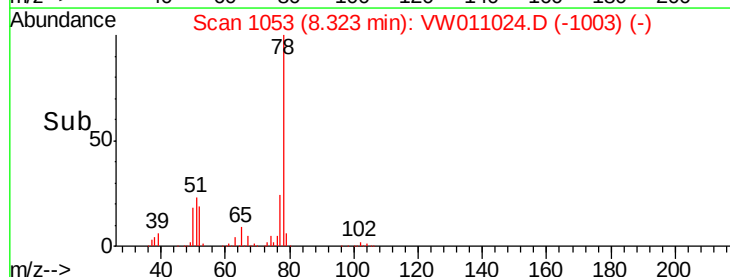
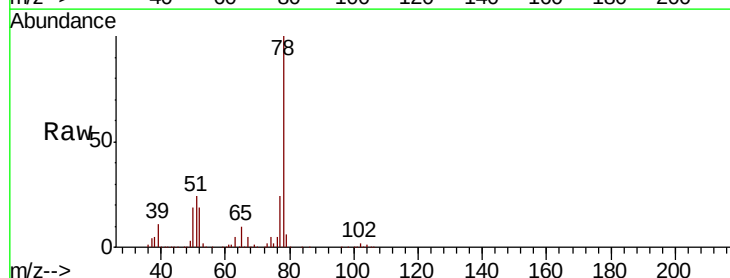
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

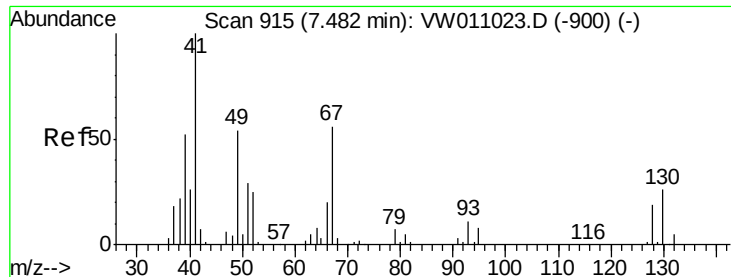
Tot Ion: 83 Resp: 485005
Ion Ratio Lower Upper
83 100
55 87.0 70.7 106.1
98 46.3 36.4 54.6



#40
Benzene
Concen: 108.062 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 78 Resp: 1047194
Ion Ratio Lower Upper
78 100
77 24.5 19.7 29.5

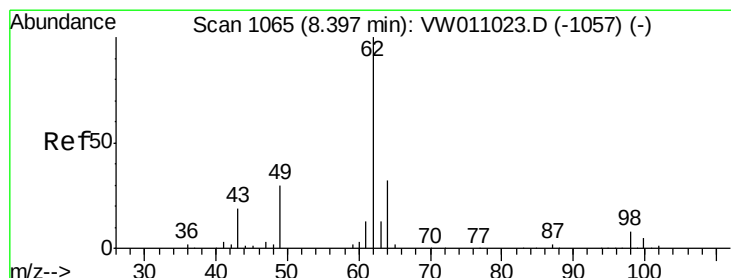
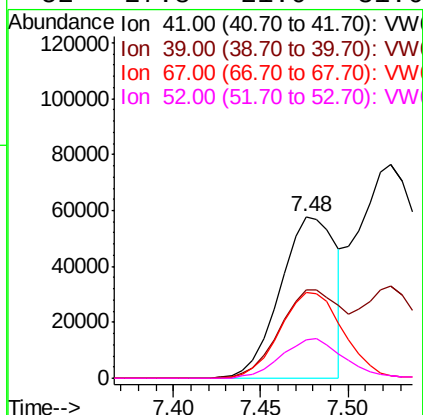
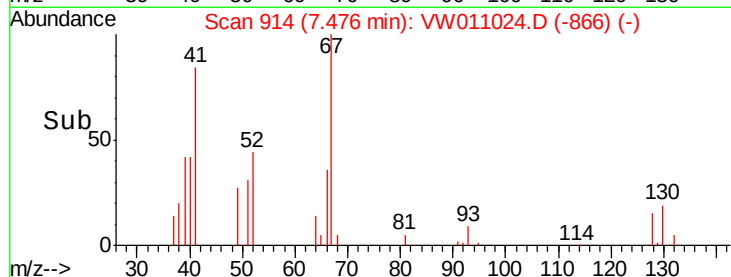
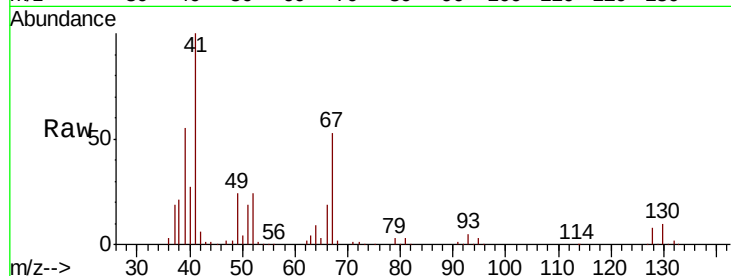




#41
Methacrylonitrile
Concen: 107.922 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

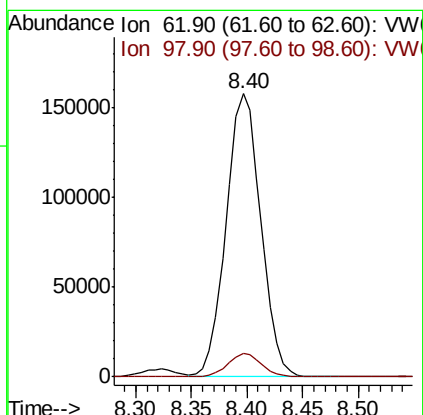
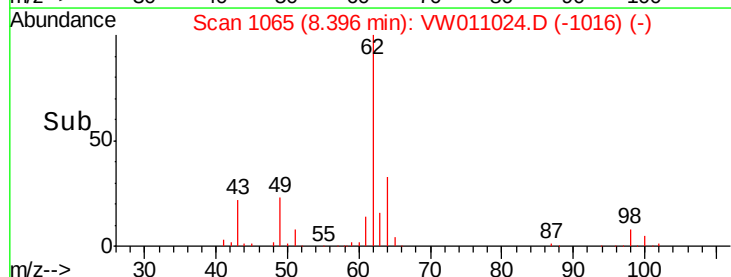
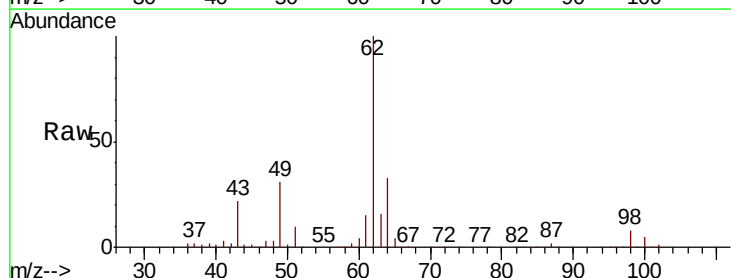
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

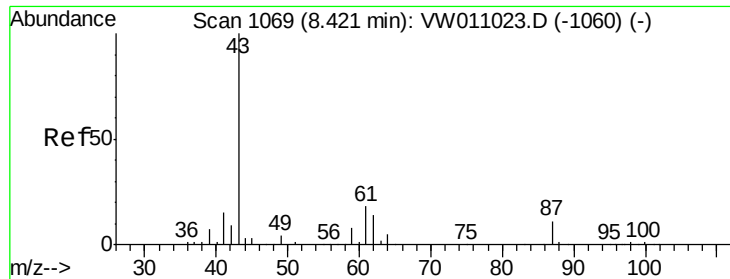
Tot Ion:	41	Resp:	128447
Ion	Ratio	Lower	Upper
41	100		
39	61.7	42.1	63.1
67	60.8	44.2	66.2
52	27.8	21.0	31.6



#42
1,2-Dichloroethane
Concen: 110.224 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:	62	Resp:	340257
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 116.587 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

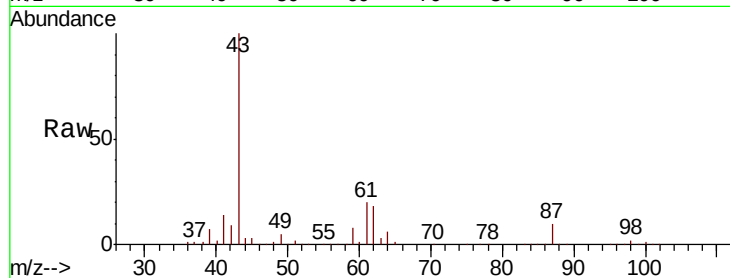
Tot Ion: 43 Resp: 445800

Ion Ratio Lower Upper

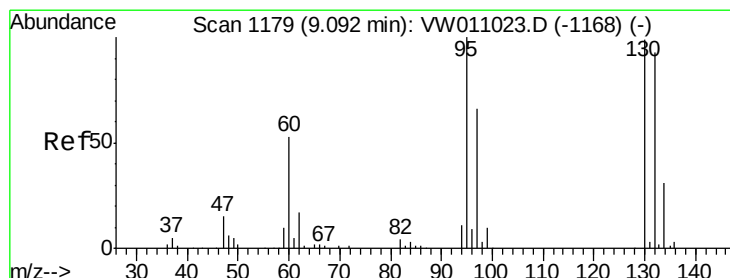
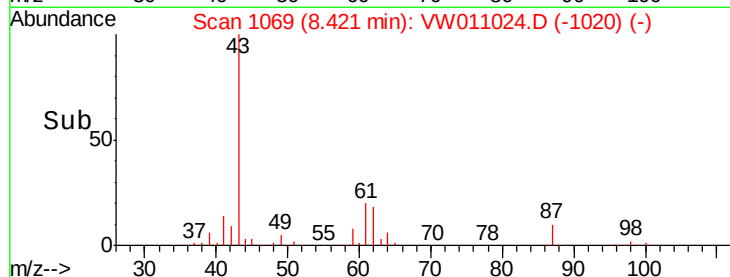
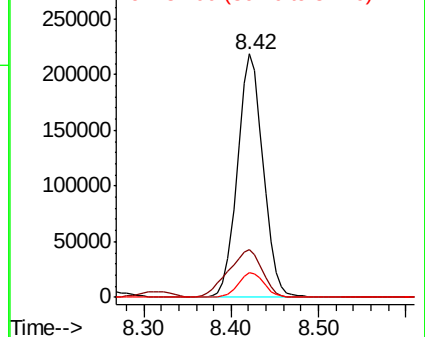
43 100

61 25.9 21.0 31.6

87 10.4 8.2 12.4



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: 107.084 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011024.D

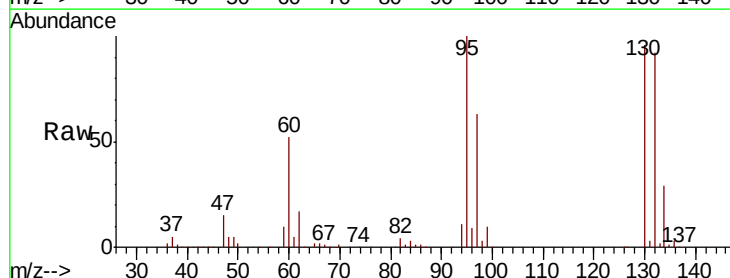
Acq: 27 Jun 2019 16:49

Tgt Ion:130 Resp: 255028

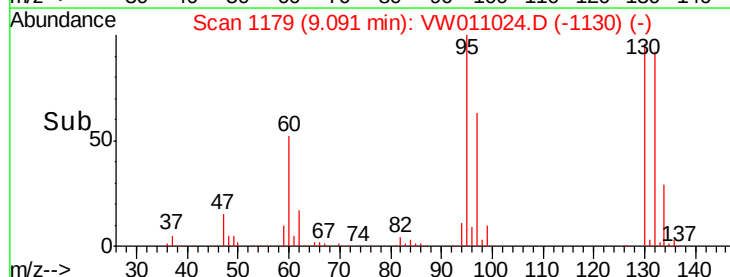
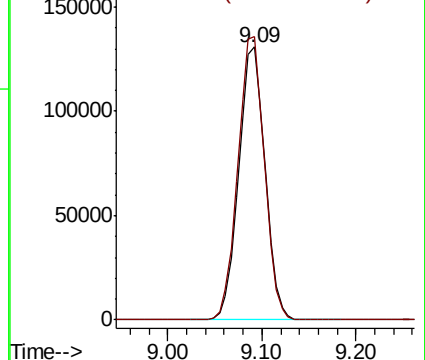
Ion Ratio Lower Upper

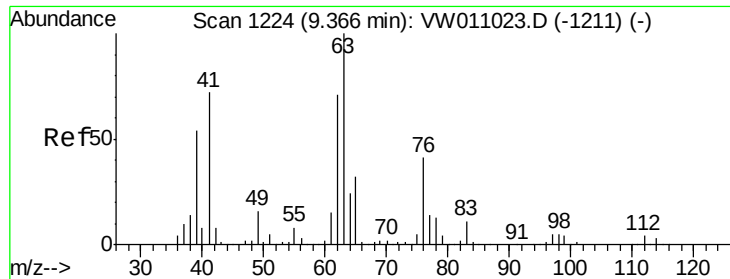
130 100

95 103.8 0.0 202.0



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

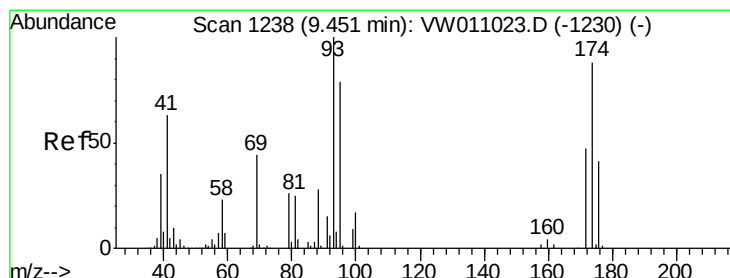
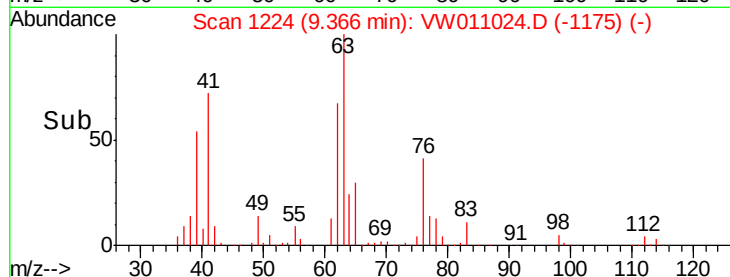
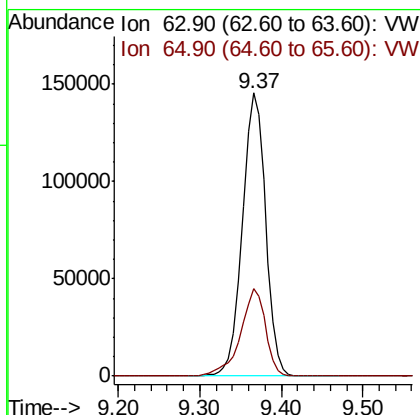
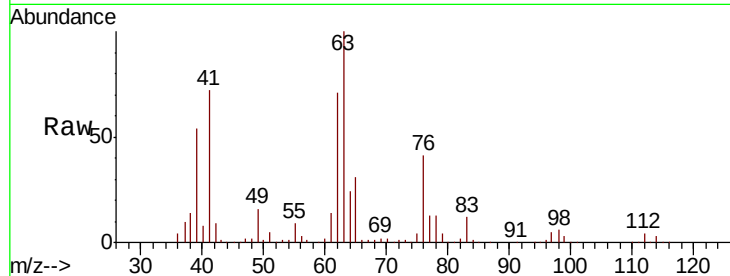




#45
 1,2-Dichloropropane
 Concen: 111.677 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

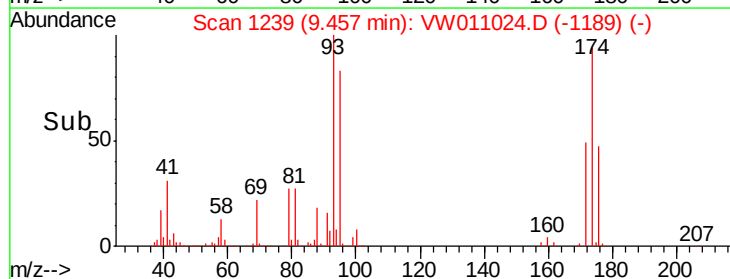
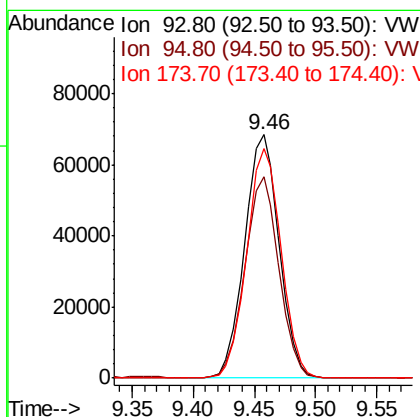
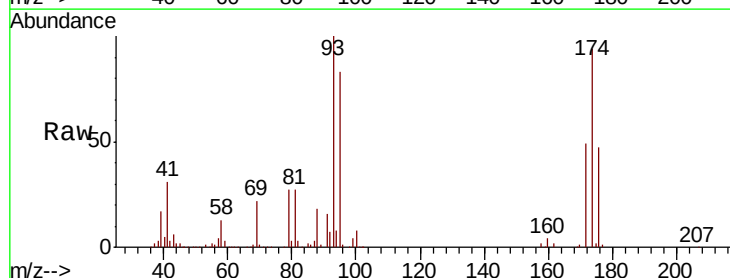
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

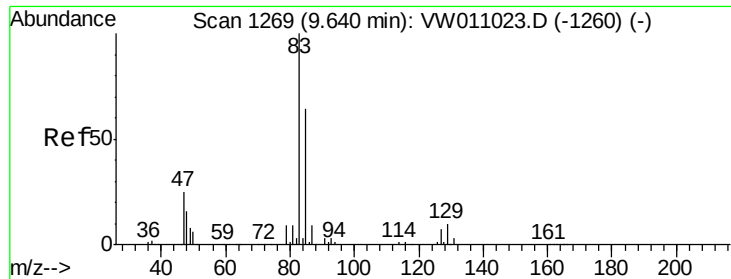
Tot Ion: 63 Resp: 287143
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.6 38.4



#46
 Dibromomethane
 Concen: 112.004 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 93 Resp: 134072
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.6
 174 94.3 75.4 113.0

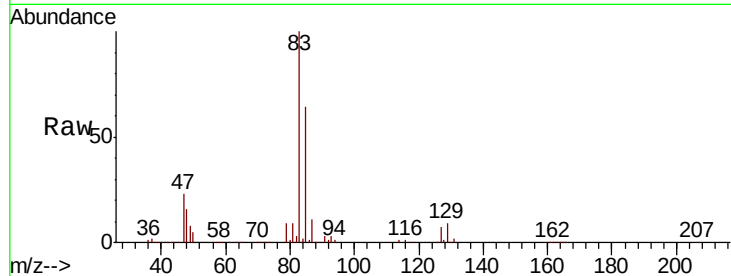




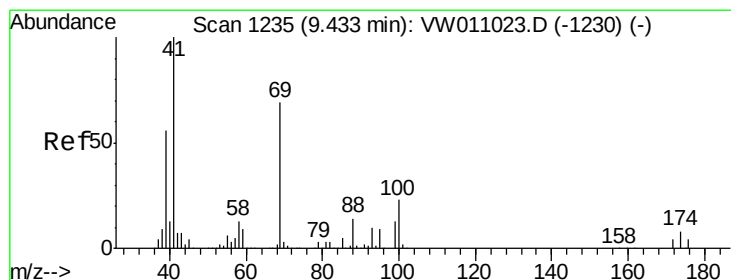
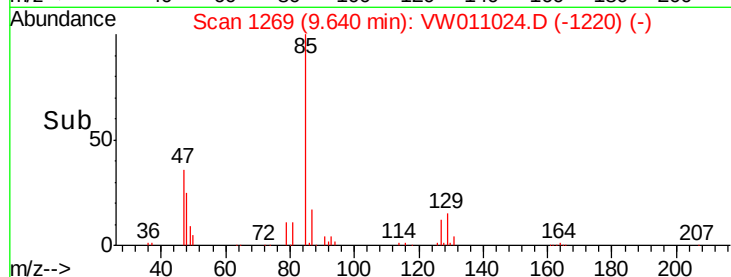
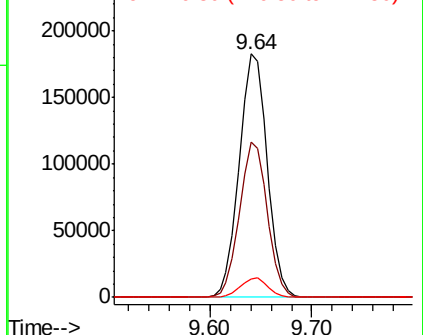
#47
Bromodichloromethane
Concen: 112.943 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 347408
Ion Ratio Lower Upper
83 100
85 63.6 51.0 76.4
127 7.5 5.8 8.8

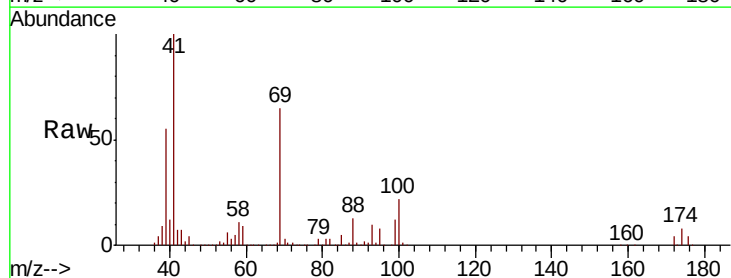


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

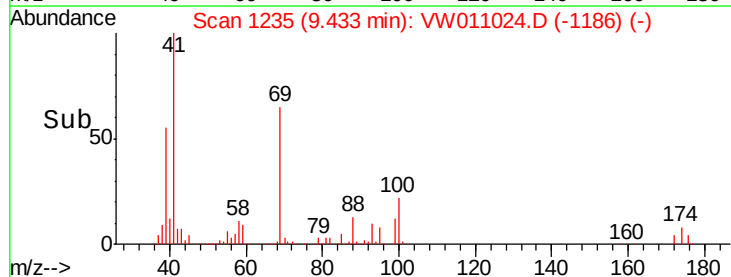
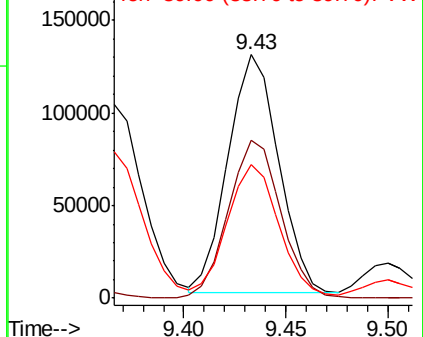


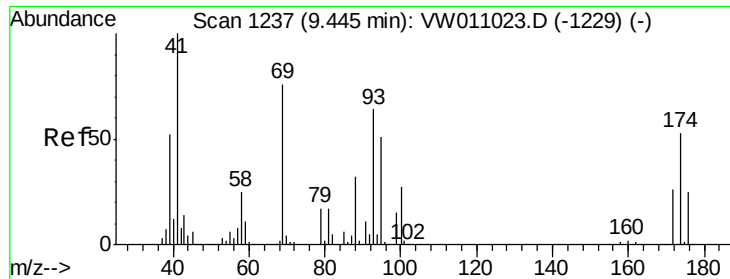
#48
Methyl methacrylate
Concen: 119.200 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 41 Resp: 219800
Ion Ratio Lower Upper
41 100
69 69.7 56.7 85.1
39 55.0 45.0 67.6



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





#49

1,4-Dioxane

Concen: 2401.386 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

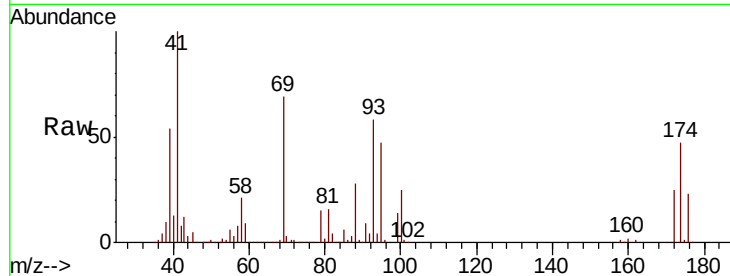
Tot Ion: 88 Resp: 46315

Ion Ratio Lower Upper

88 100

43 45.1 34.4 51.6

58 79.7 65.2 97.8

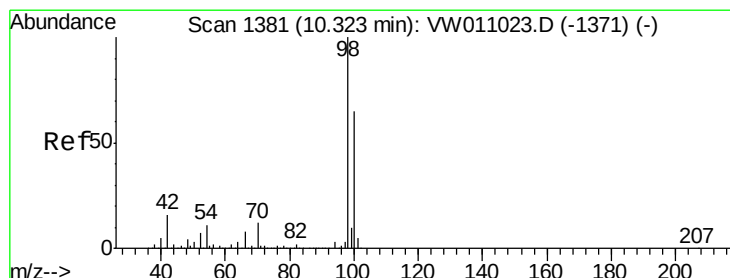
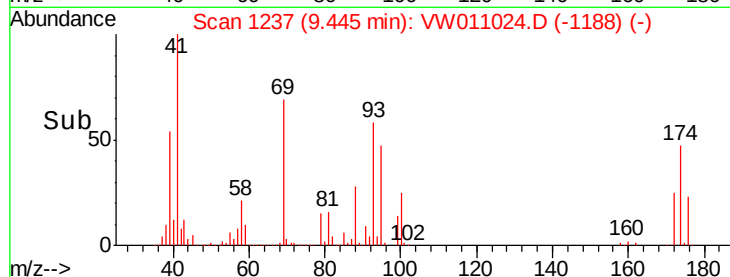
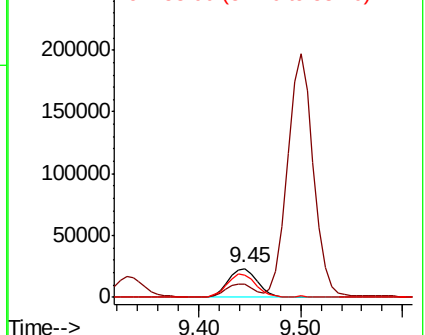


Abundance

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: 103.219 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011024.D

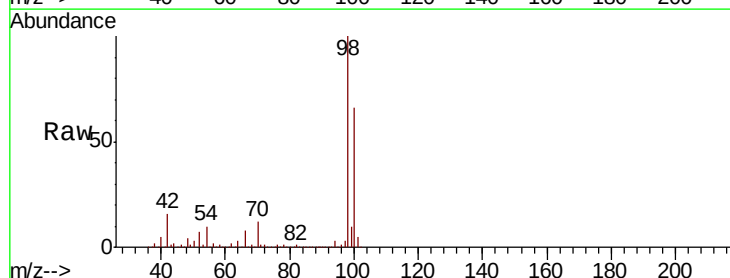
Acq: 27 Jun 2019 16:49

Tgt Ion: 98 Resp: 875966

Ion Ratio Lower Upper

98 100

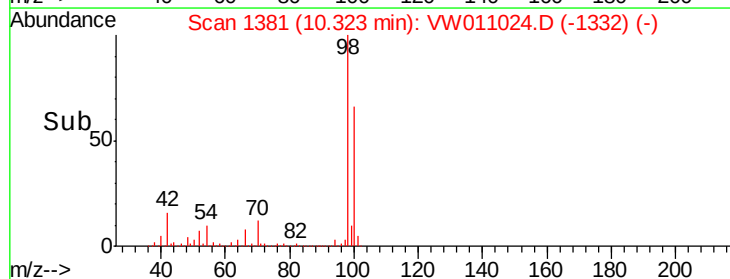
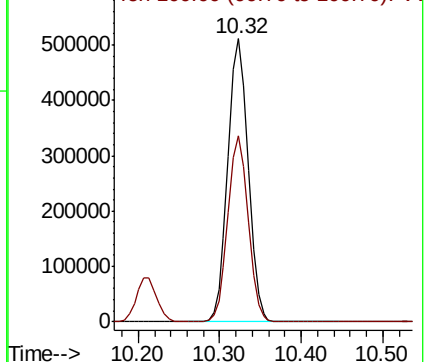
100 65.4 52.3 78.5

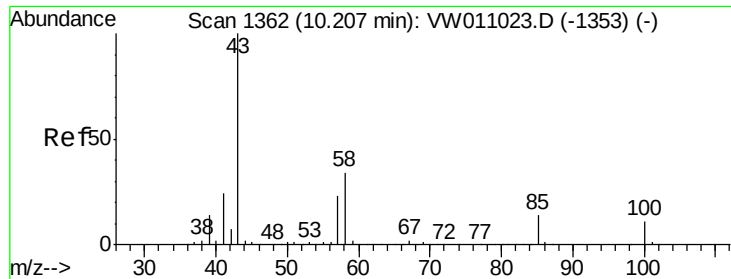


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

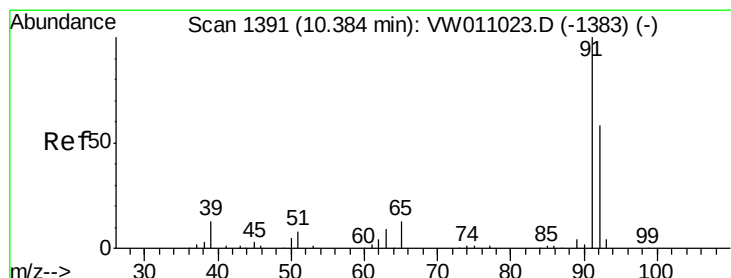
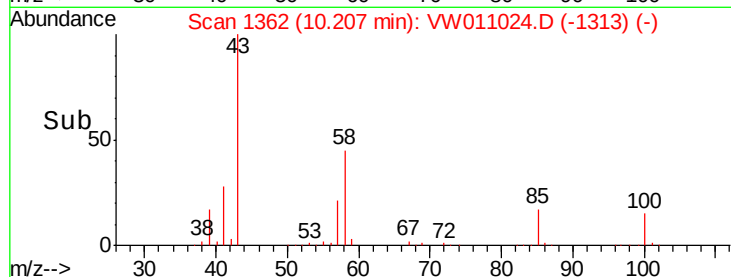
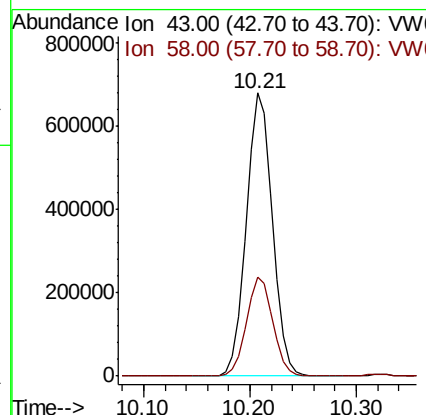
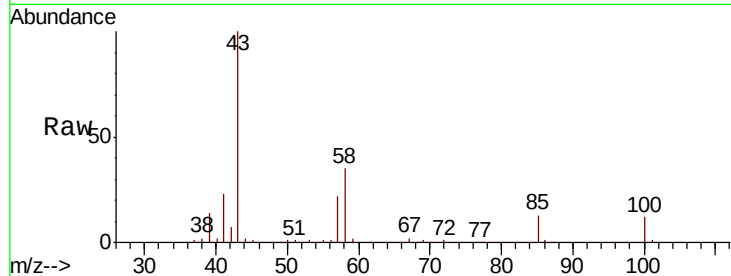




#51
4-Methyl-2-Pentanone
Concen: 595.877 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

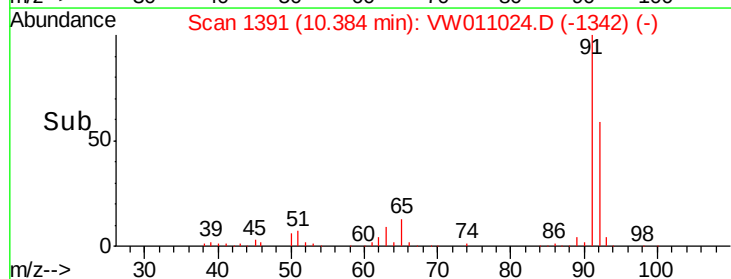
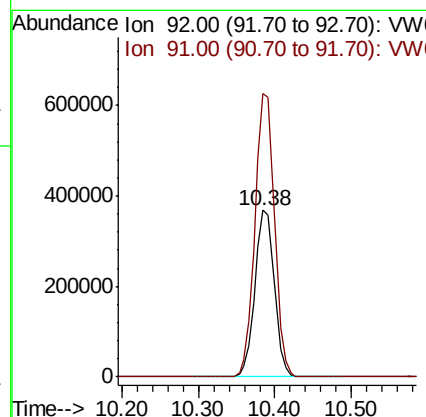
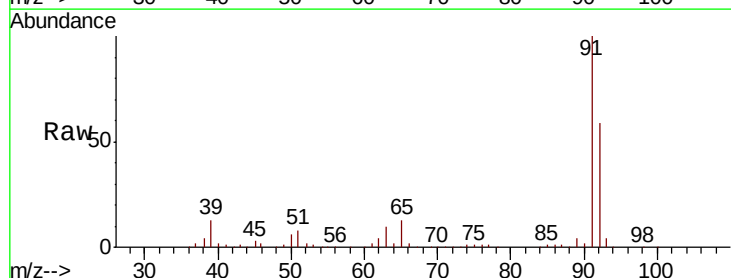
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

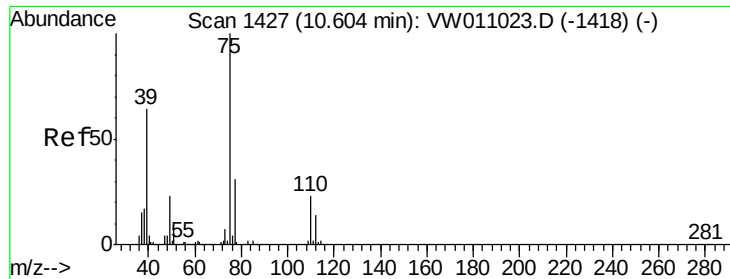
Tot Ion: 43 Resp: 1172930
Ion Ratio Lower Upper
43 100
58 35.1 27.8 41.6



#52
Toluene
Concen: 109.684 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 92 Resp: 653108
Ion Ratio Lower Upper
92 100
91 171.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 115.842 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

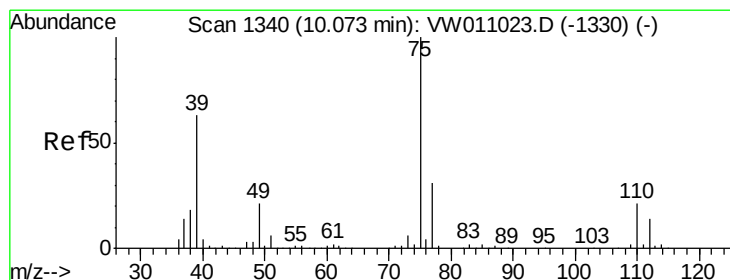
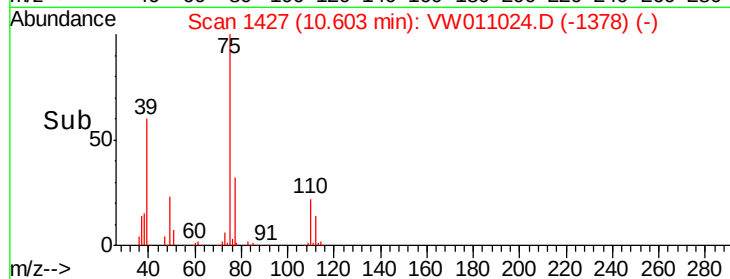
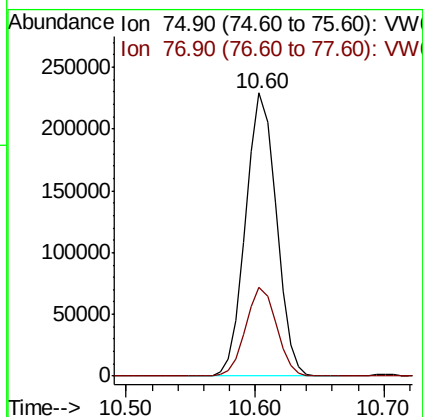
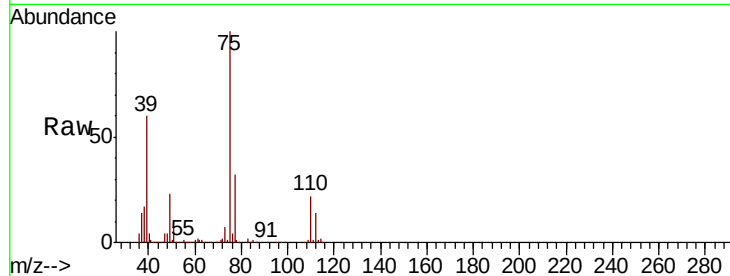
VSTDIC100

Tot Ion: 75 Resp: 377102

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 114.255 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

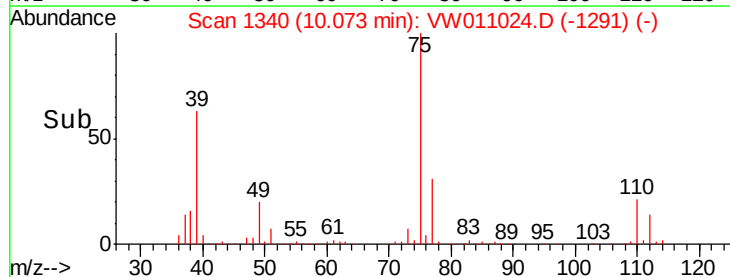
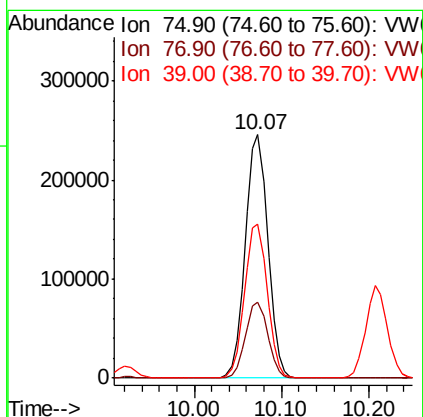
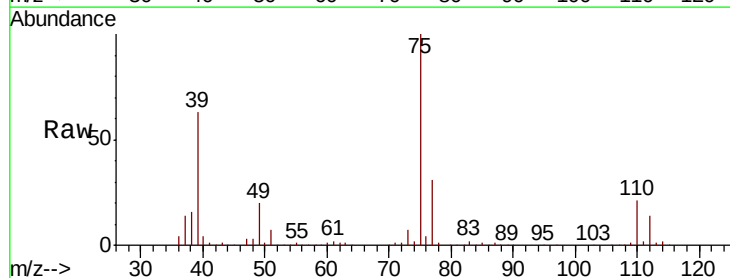
Tgt Ion: 75 Resp: 438818

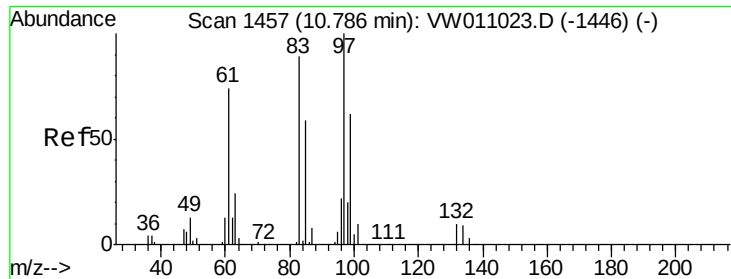
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 62.9 50.0 75.0

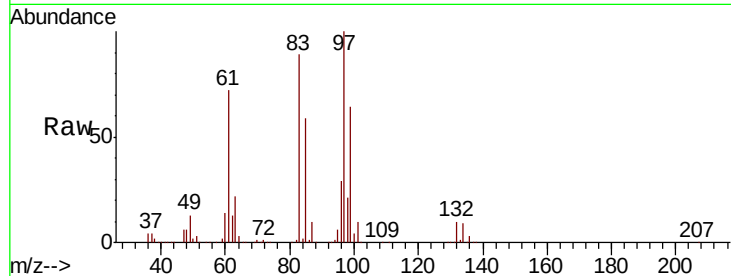




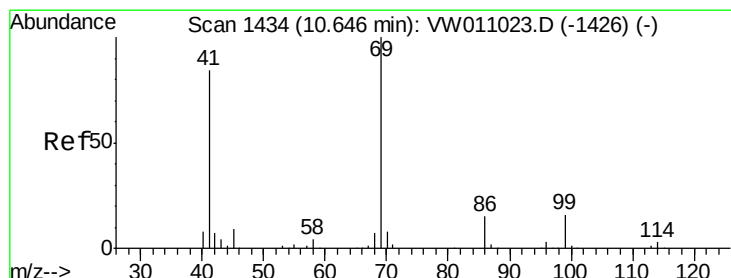
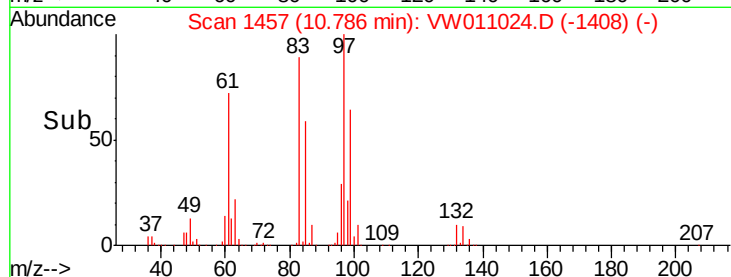
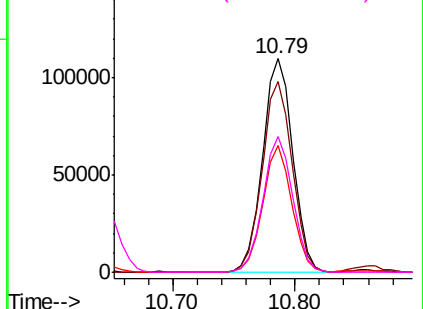
#55
 1,1,2-Trichloroethane
 Concen: 109.674 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	188852
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.9	106.3
85	59.2	47.2	70.8
99	63.5	50.0	75.0

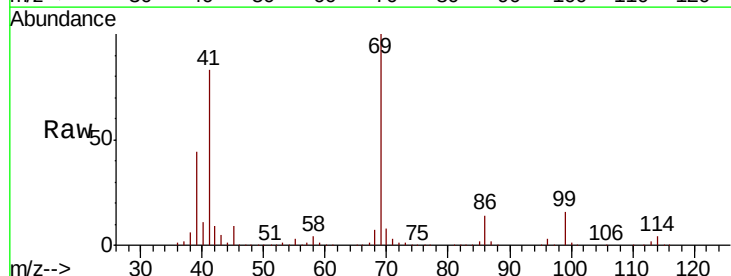


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

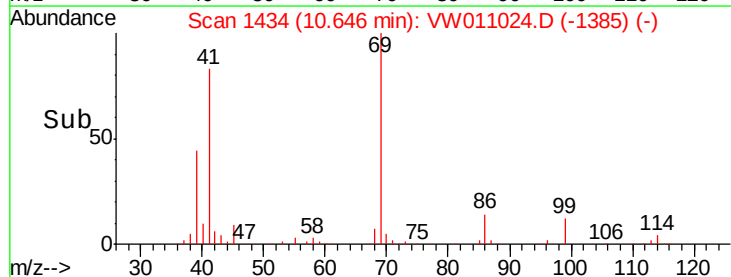
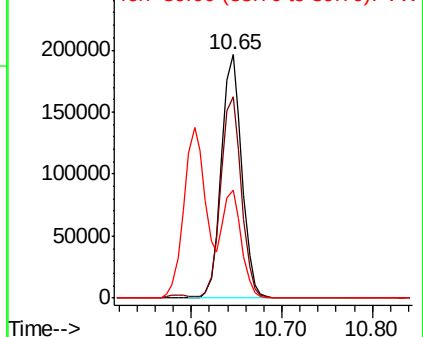


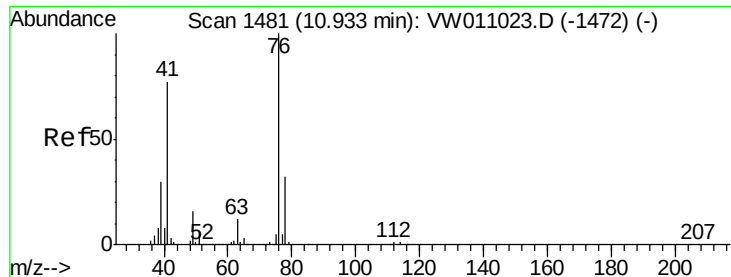
#56
 Ethyl methacrylate
 Concen: 116.835 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:	69	Resp:	308180
Ion	Ratio	Lower	Upper
69	100		
41	83.6	67.9	101.9
39	40.8	33.2	49.8



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

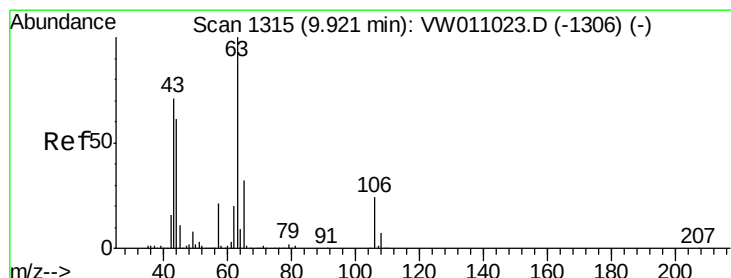
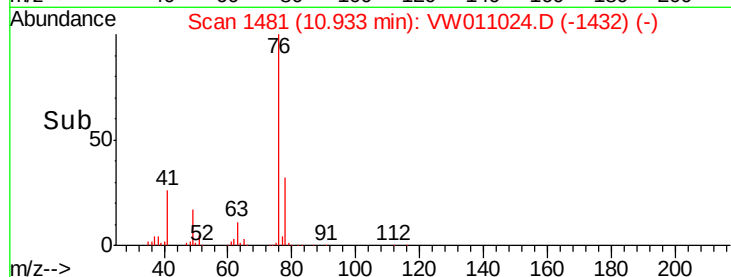
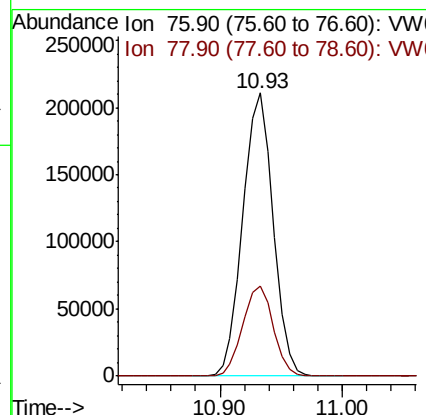
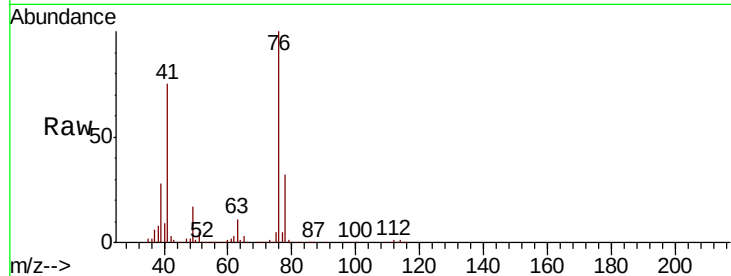




#57
 1,3-Dichloropropane
 Concen: 111.827 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

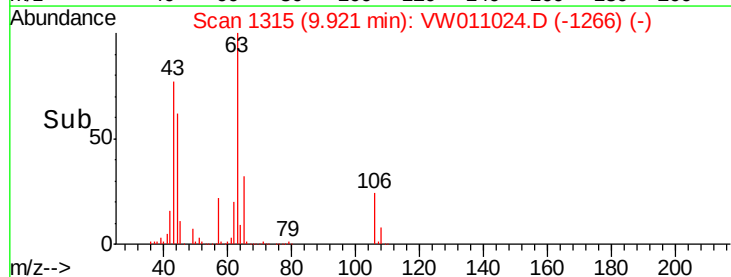
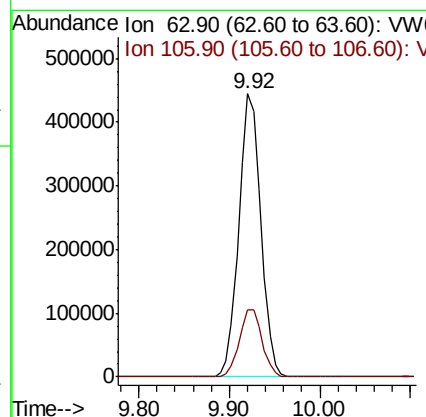
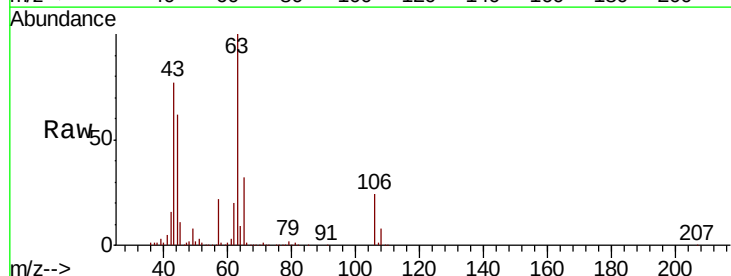
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

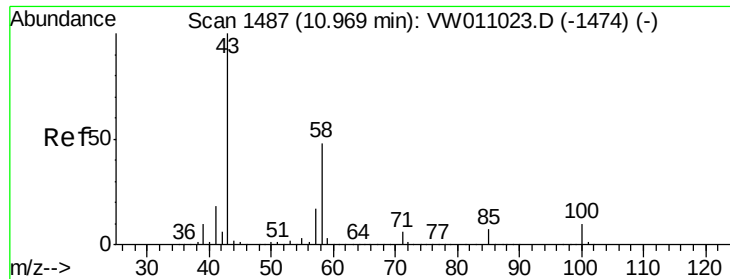
Tot Ion: 76 Resp: 362685
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 544.094 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 63 Resp: 747573
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0

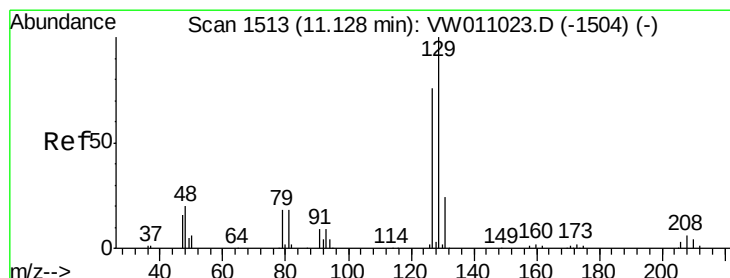
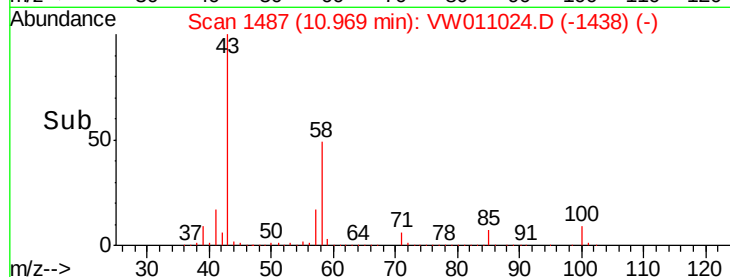
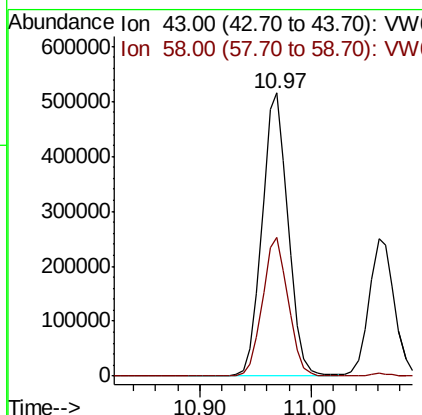
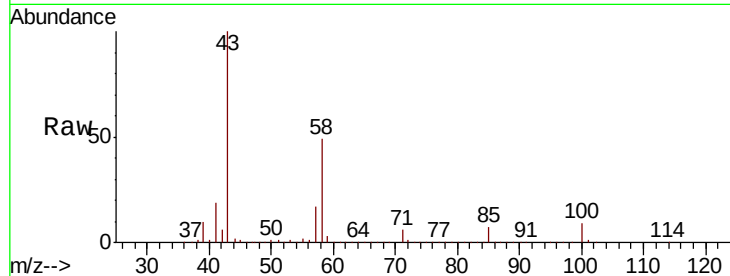




#59
2-Hexanone
Concen: 593.733 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

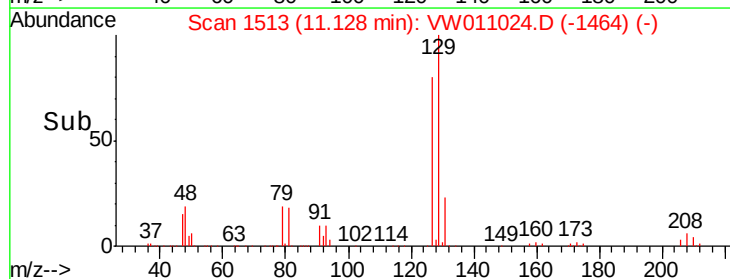
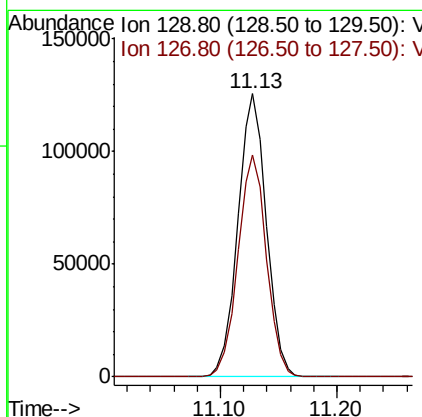
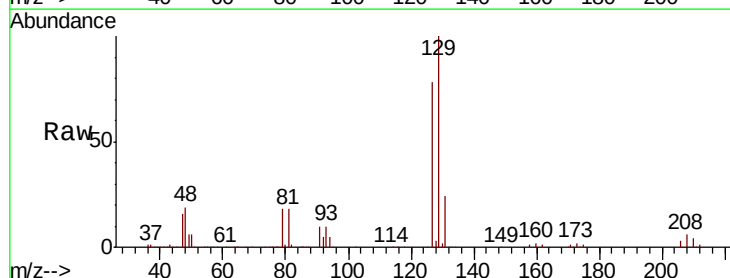
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

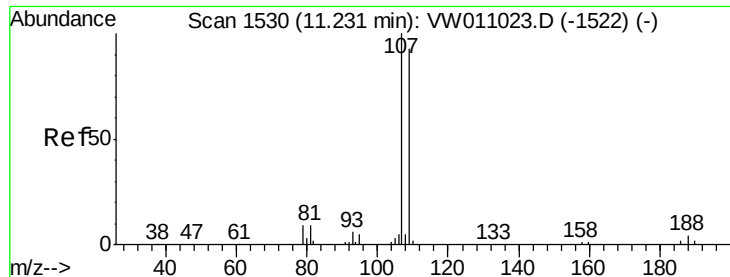
Tot Ion: 43 Resp: 840130
Ion Ratio Lower Upper
43 100
58 48.5 23.8 71.5



#60
Dibromochloromethane
Concen: 113.484 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 129 Resp: 214026
Ion Ratio Lower Upper
129 100
127 78.3 39.4 118.1

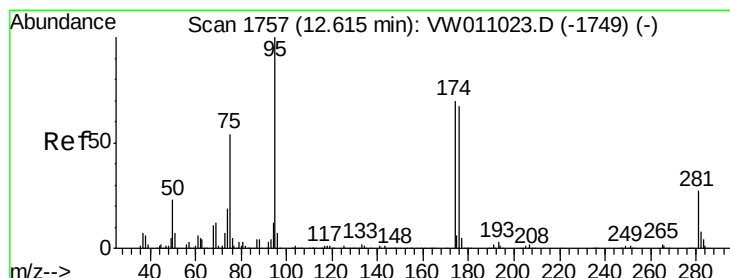
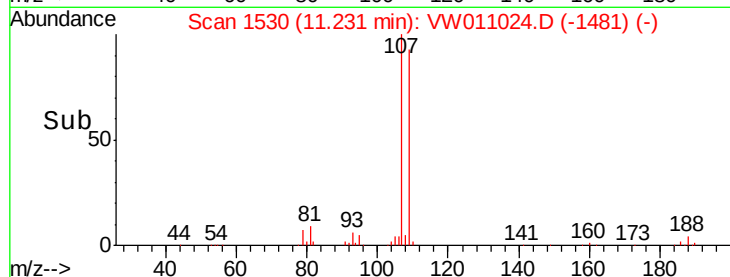
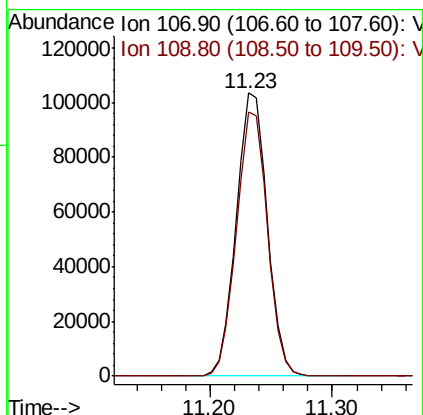
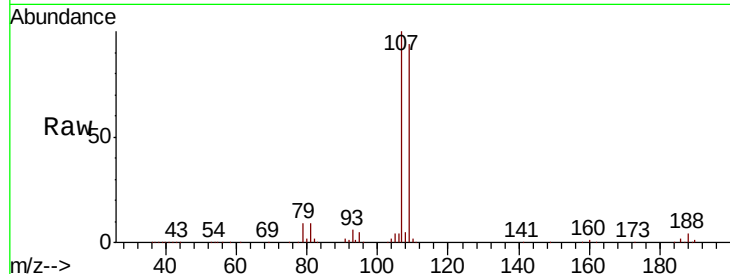




#61
 1,2-Dibromoethane
 Concen: 111.772 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

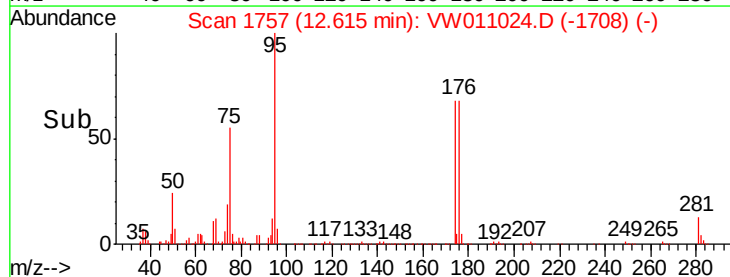
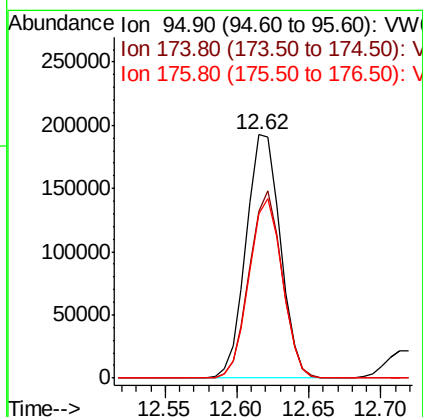
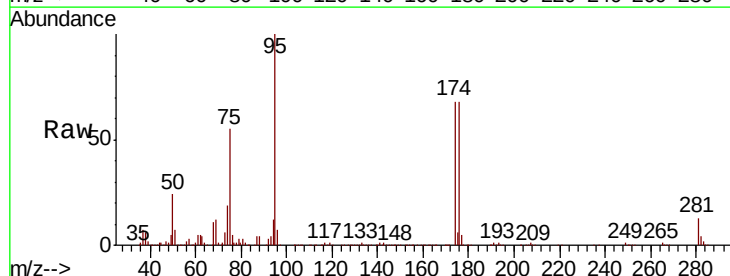
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

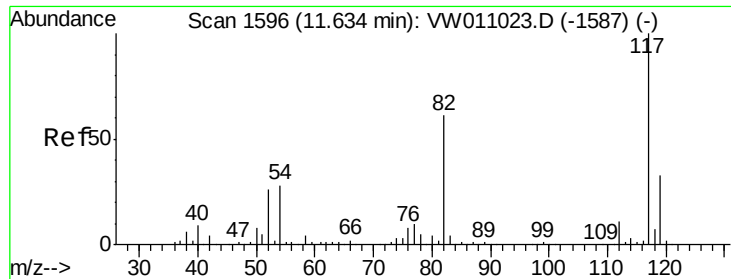
Tot Ion: 107 Resp: 181687
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 102.388 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 95 Resp: 316160
 Ion Ratio Lower Upper
 95 100
 174 73.8 0.0 149.2
 176 71.8 0.0 143.6

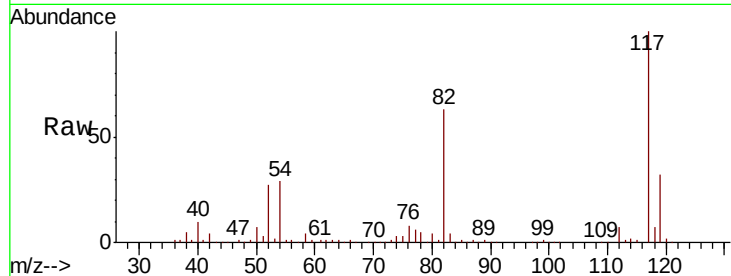




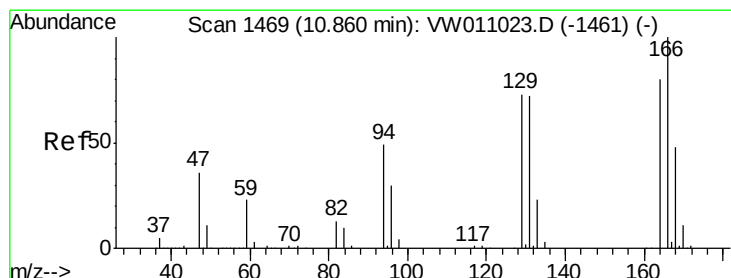
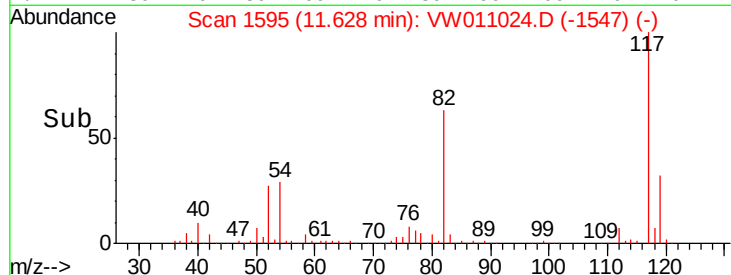
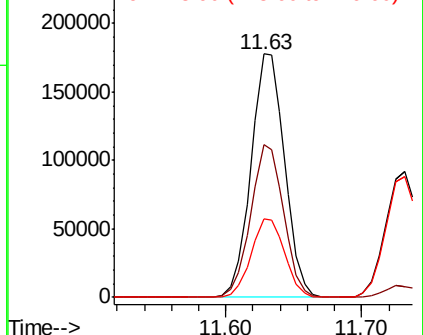
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 308181
Ion Ratio Lower Upper
117 100
82 62.7 48.6 73.0
119 32.1 26.1 39.1

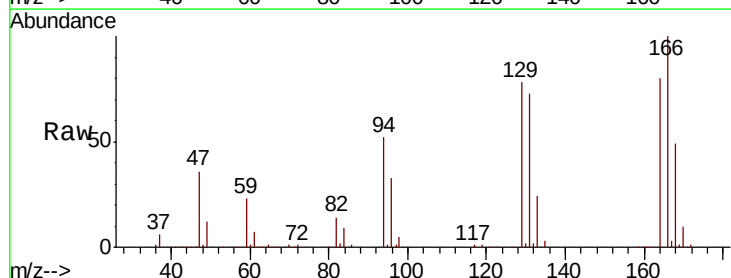


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

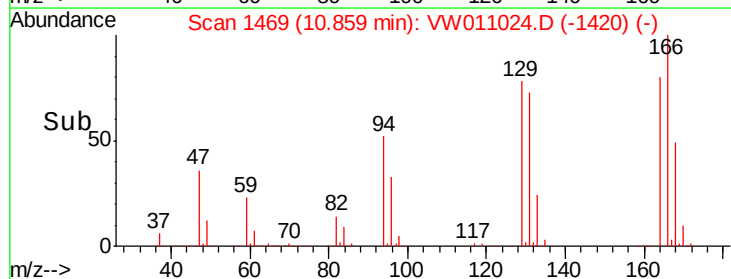
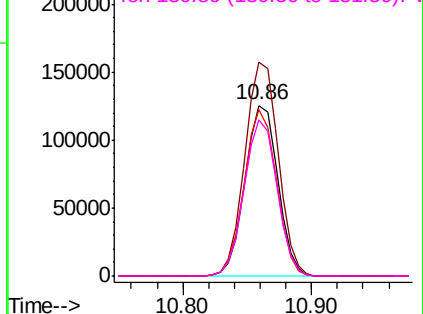


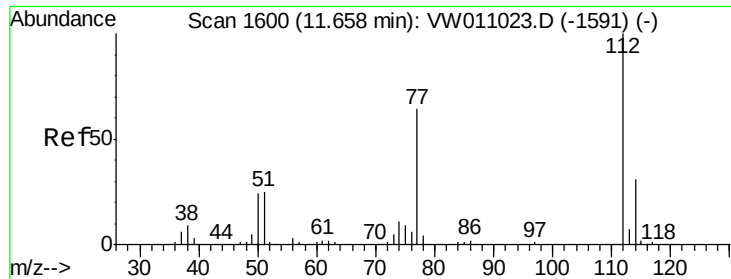
#64
Tetrachloroethene
Concen: 107.145 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:164 Resp: 220431
Ion Ratio Lower Upper
164 100
166 125.0 99.8 149.6
129 97.3 73.0 109.4
131 91.7 71.4 107.0



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

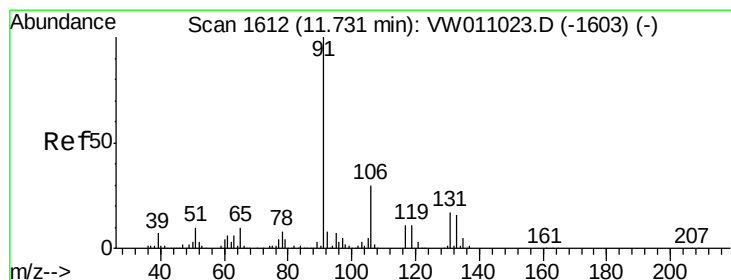
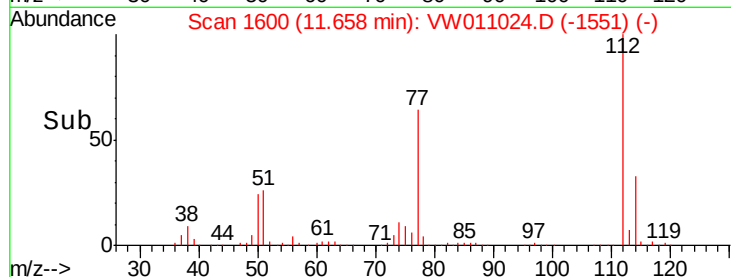
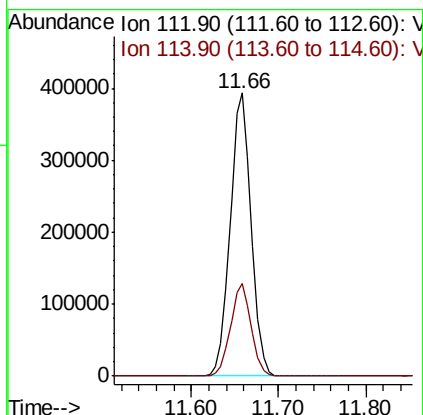
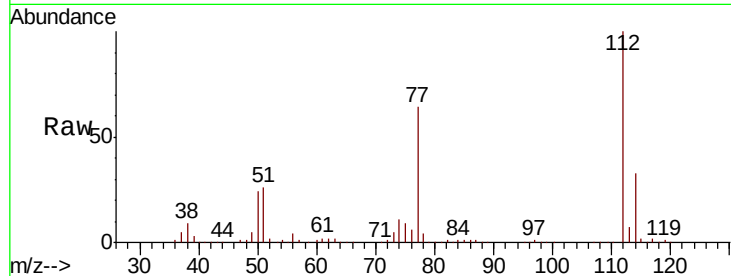




#65
Chlorobenzene
Concen: 106.936 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

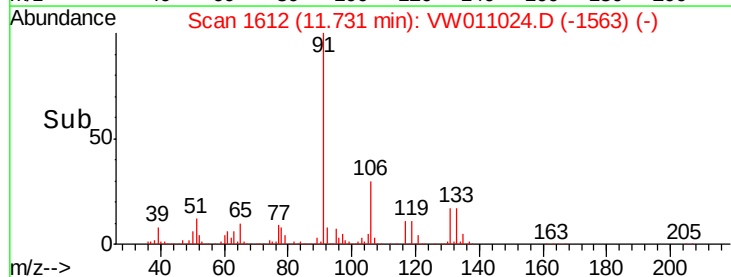
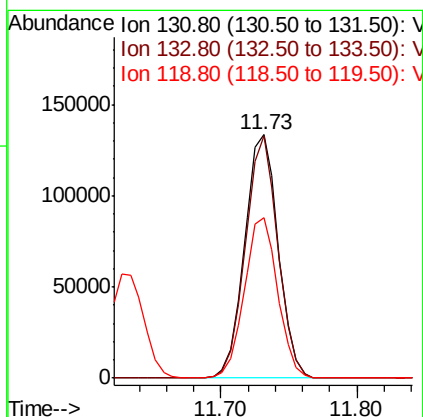
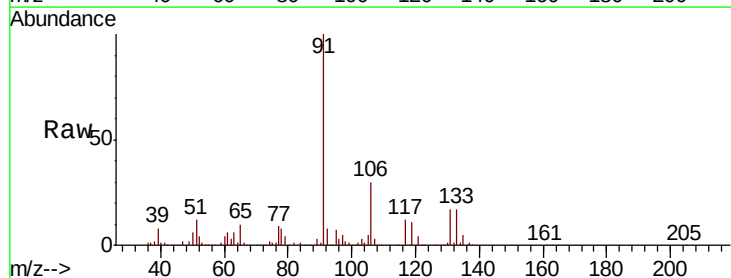
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

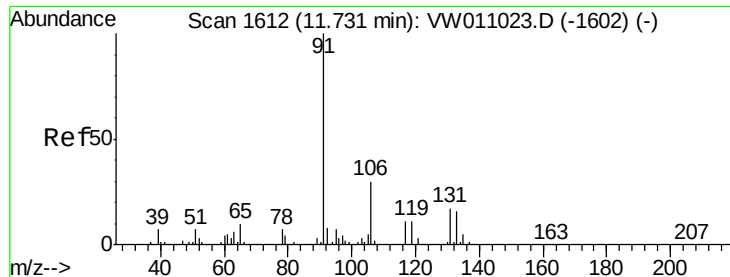
Tot Ion:112 Resp: 652964
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 109.416 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:131 Resp: 229930
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 65.4 33.1 99.2

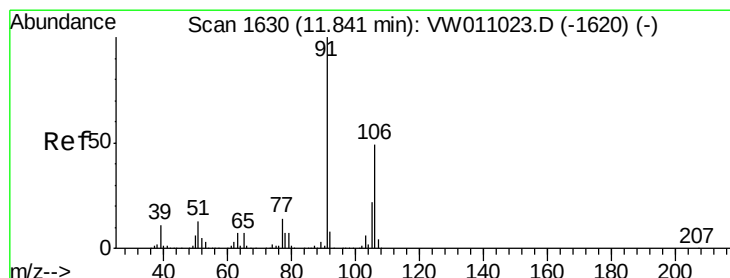
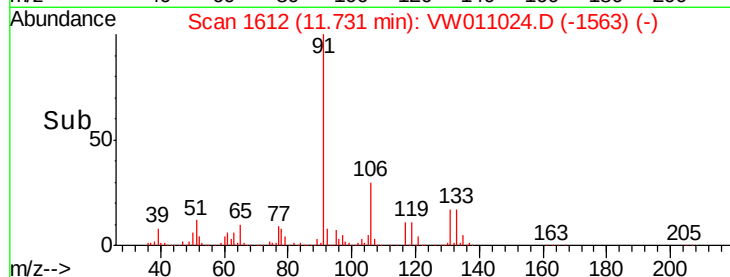
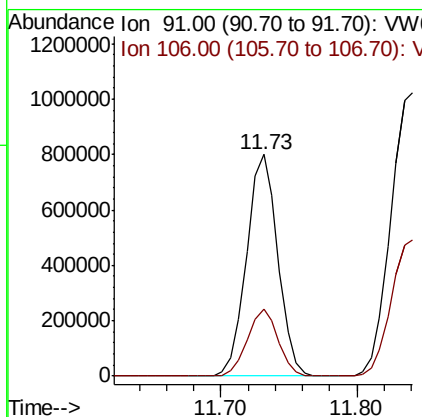
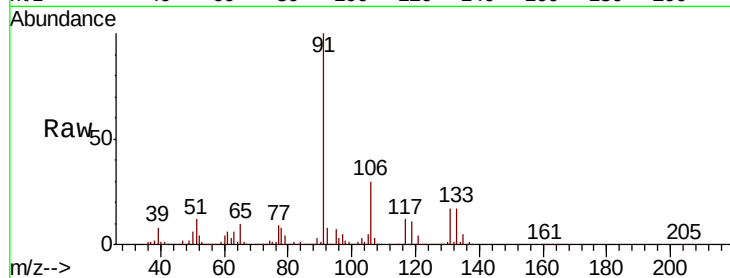




#67
Ethyl Benzene
Concen: 109.358 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

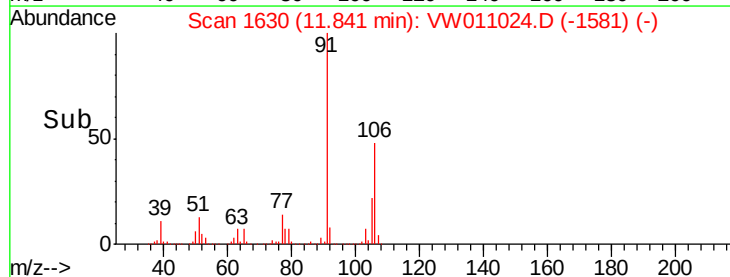
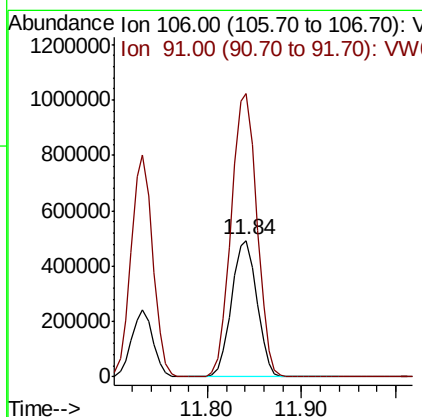
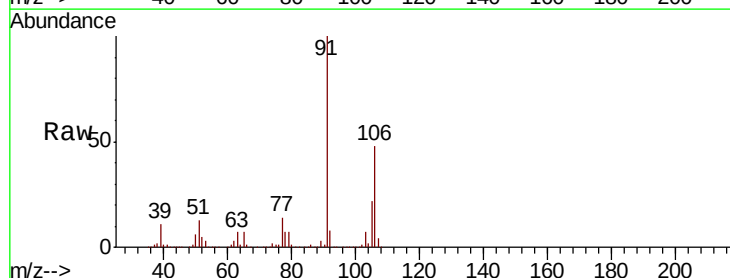
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

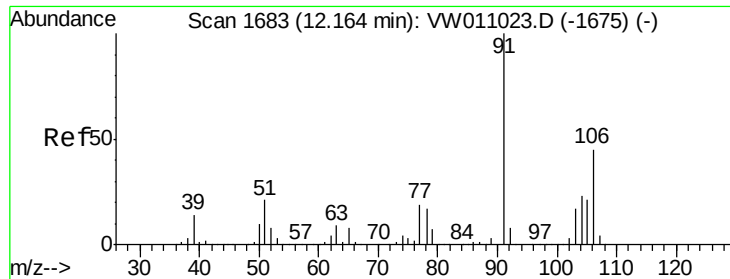
Tot Ion: 91 Resp: 1283476
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



#68
m/p-Xylenes
Concen: 219.224 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 106 Resp: 923975
Ion Ratio Lower Upper
106 100
91 209.7 167.5 251.3

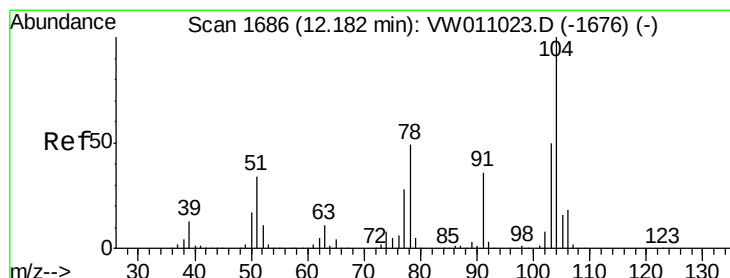
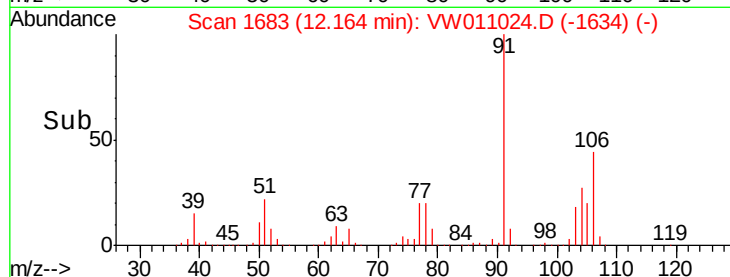
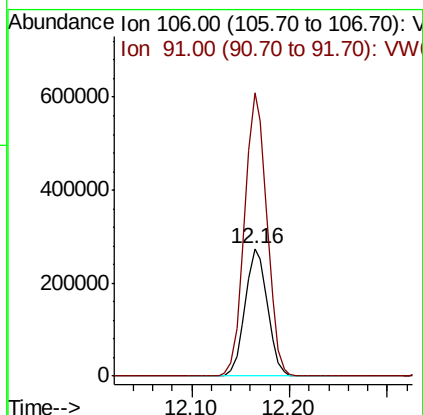
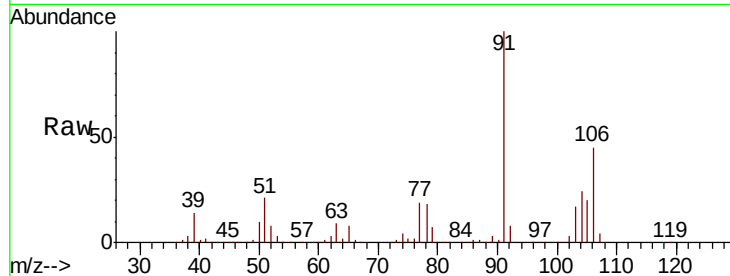




#69
o-Xylene
Concen: 109.335 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

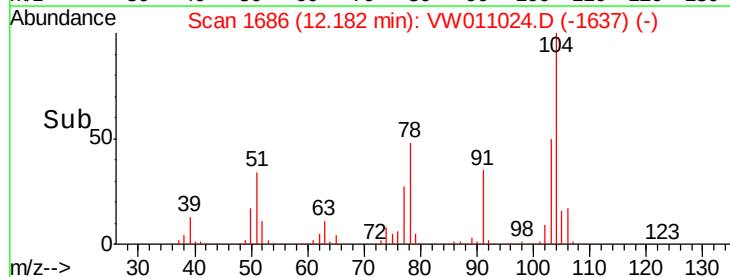
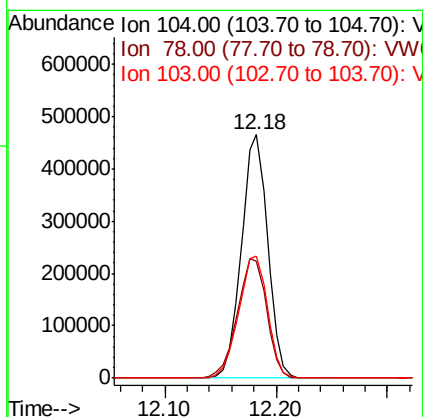
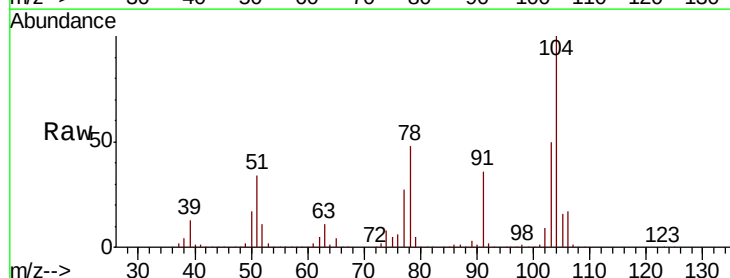
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

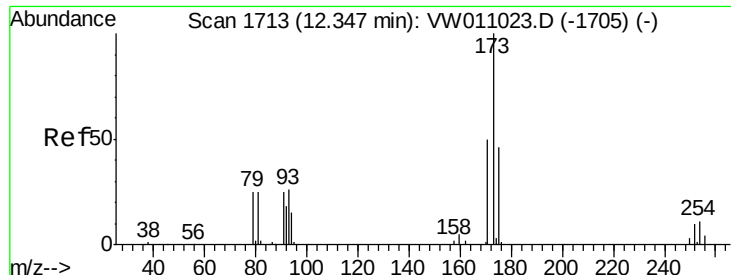
Tot Ion:106 Resp: 435803
Ion Ratio Lower Upper
106 100
91 221.7 110.8 332.3



#70
Styrene
Concen: 110.132 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:104 Resp: 763058
Ion Ratio Lower Upper
104 100
78 54.6 43.7 65.5
103 55.0 43.9 65.9





#71

Bromoform

Concen: 111.499 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

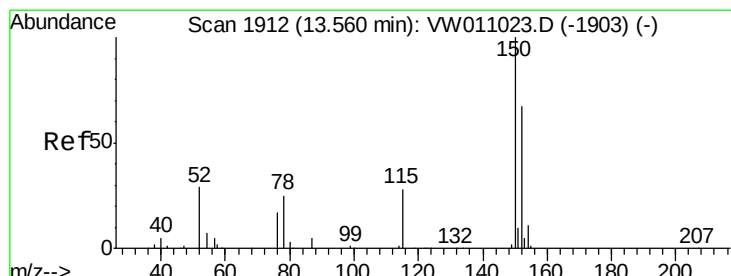
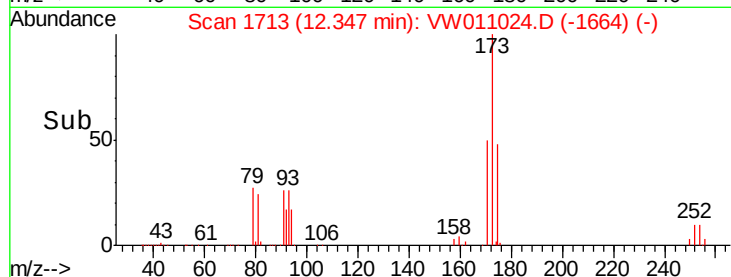
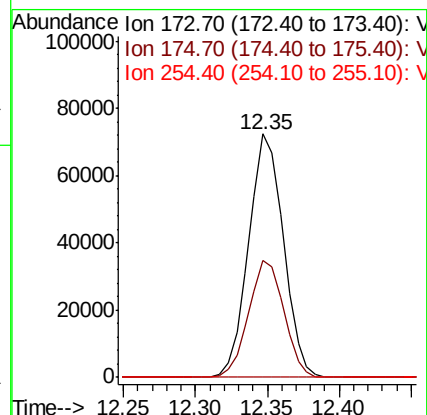
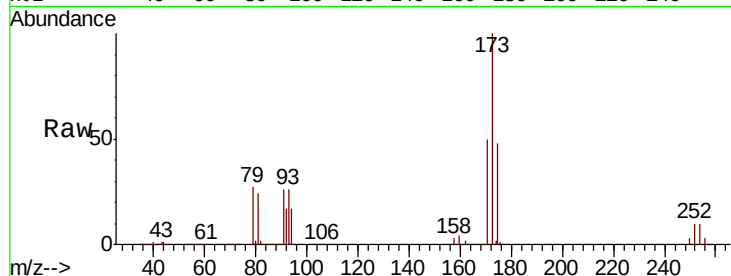
Tot Ion:173 Resp: 120733

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

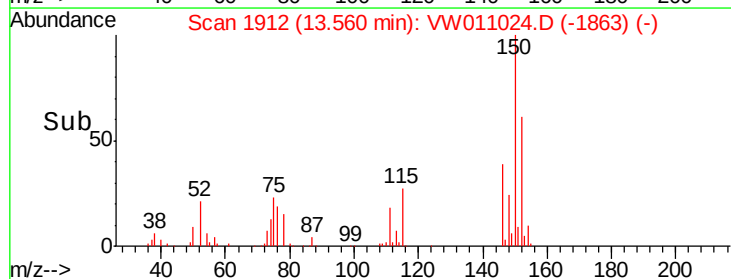
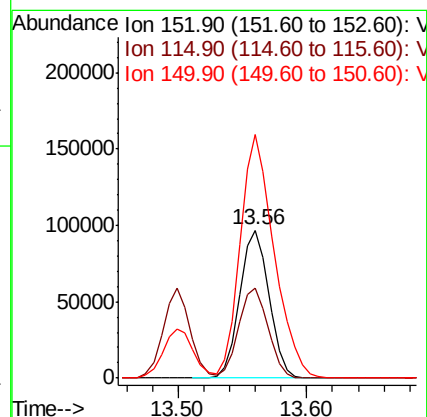
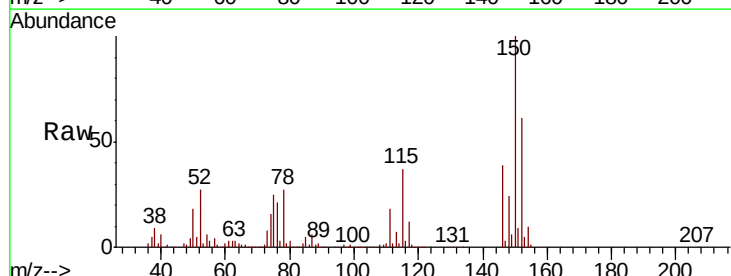
Tgt Ion:152 Resp: 152247

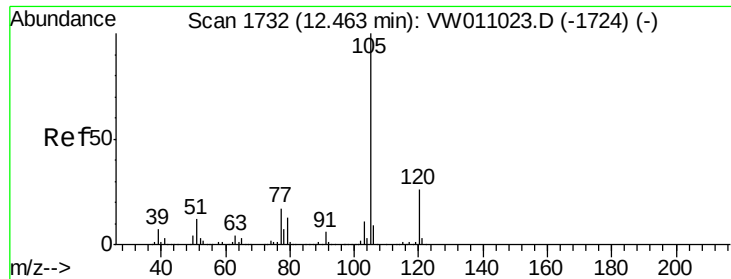
Ion Ratio Lower Upper

152 100

115 61.3 30.7 92.1

150 190.0 0.0 341.8





#73

Isopropylbenzene

Concen: 106.416 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

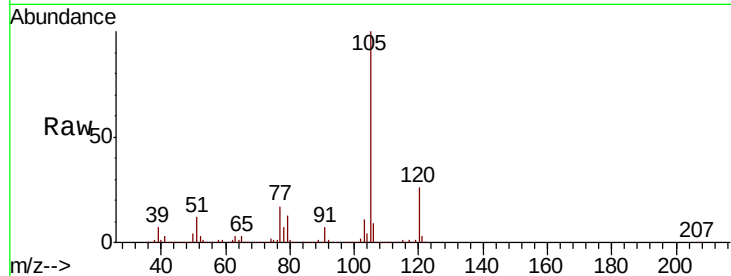
VSTDIC100

Tot Ion:105 Resp: 1213518

Ion Ratio Lower Upper

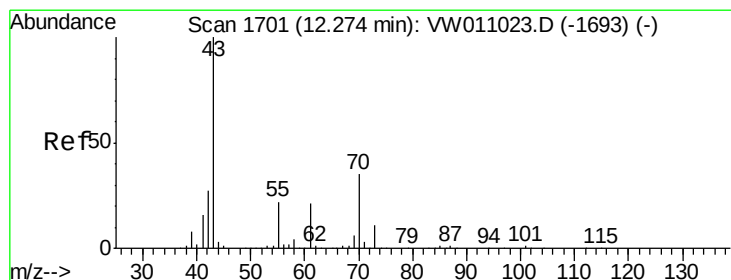
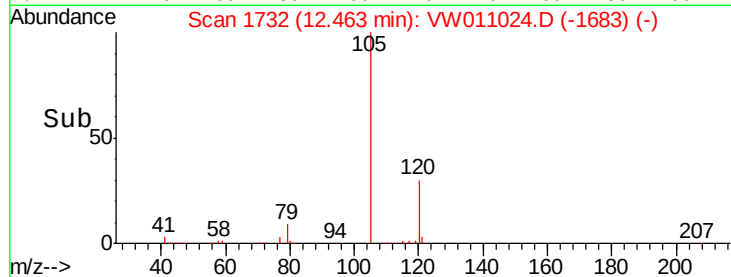
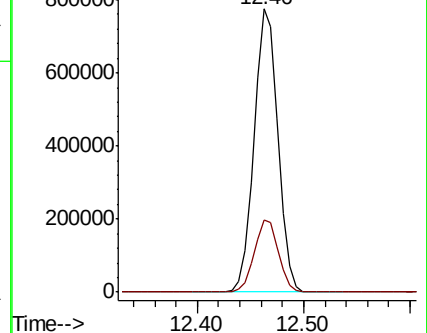
105 100

120 25.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 117.752 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion: 43 Resp: 440461

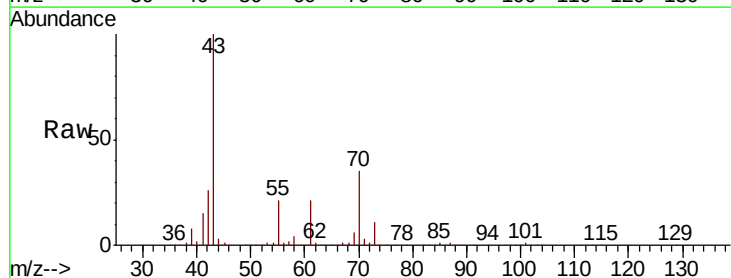
Ion Ratio Lower Upper

43 100

70 35.4 28.2 42.4

55 21.8 17.8 26.8

61 21.2 16.6 24.8

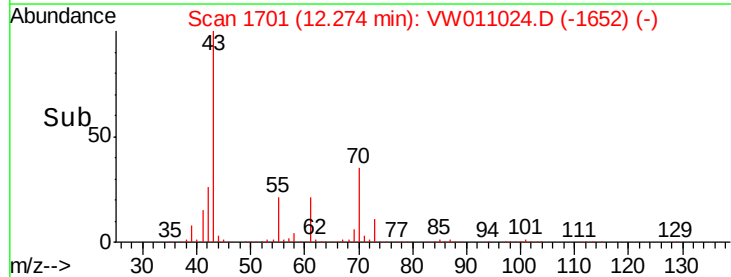
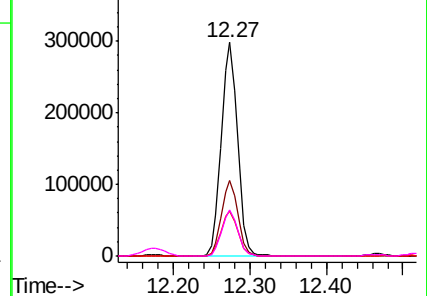


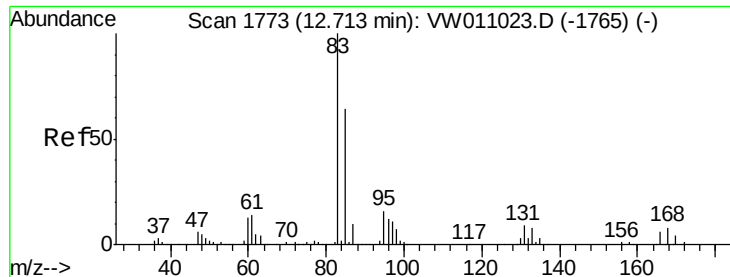
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 109.261 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

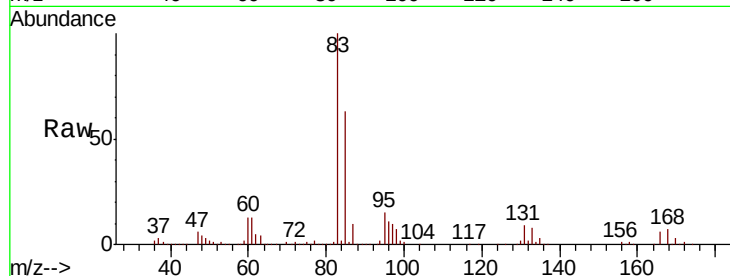
Tot Ion: 83 Resp: 239016

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

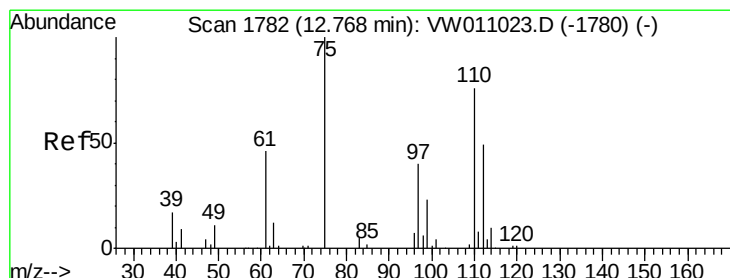
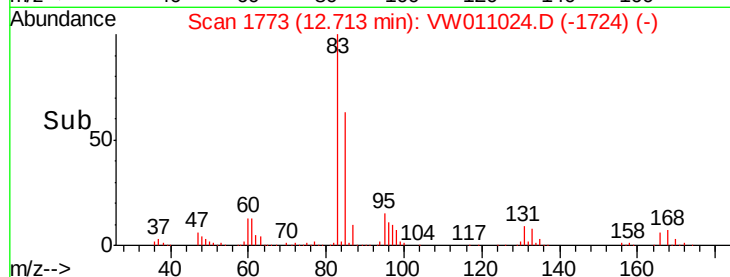
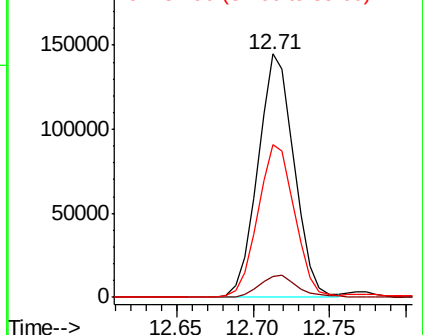
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 200.334 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011024.D

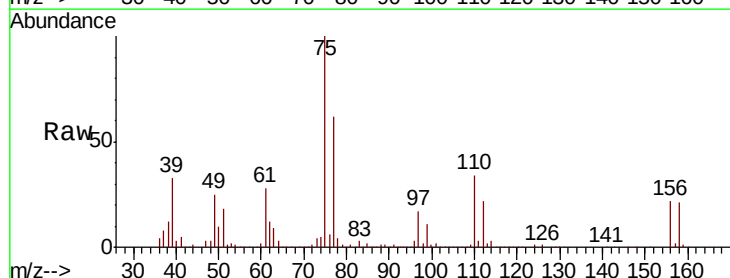
Acq: 27 Jun 2019 16:49

Tgt Ion: 75 Resp: 321537

Ion Ratio Lower Upper

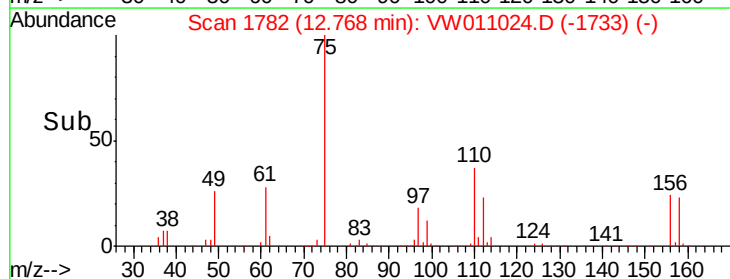
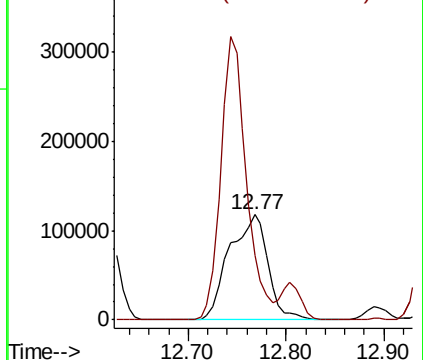
75 100

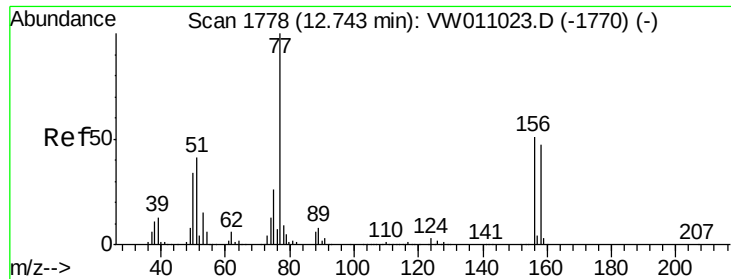
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 104.946 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

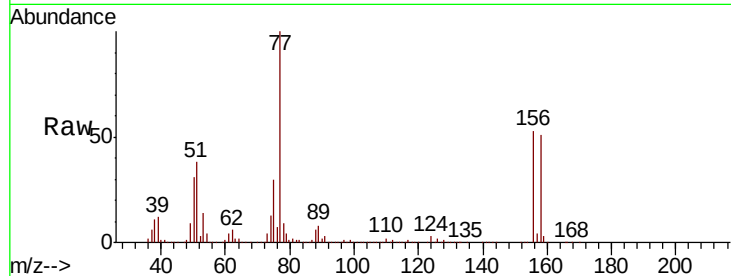
Tot Ion:156 Resp: 261039

Ion Ratio Lower Upper

156 100

77 220.3 109.5 328.5

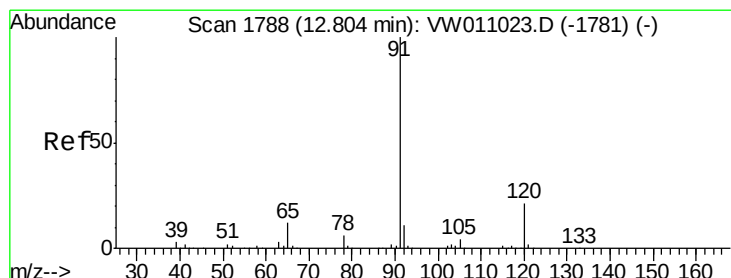
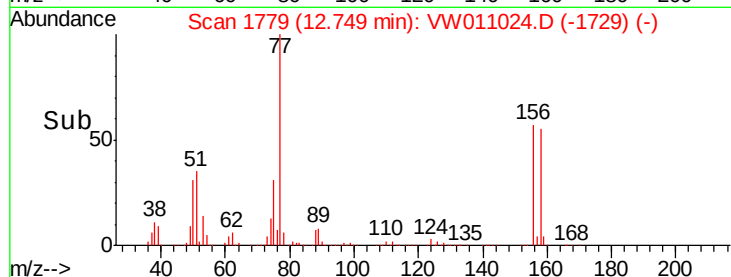
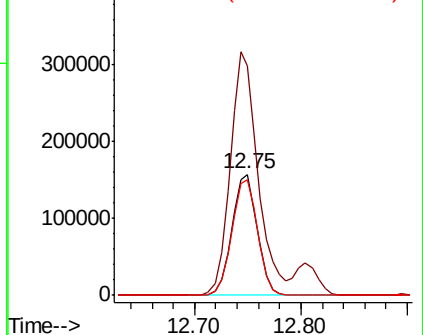
158 97.6 48.6 145.9



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: 108.066 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011024.D

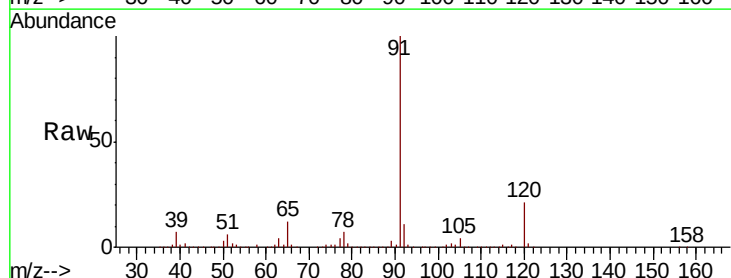
Acq: 27 Jun 2019 16:49

Tgt Ion: 91 Resp: 1494048

Ion Ratio Lower Upper

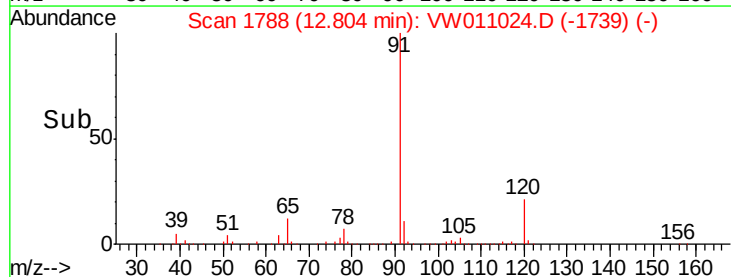
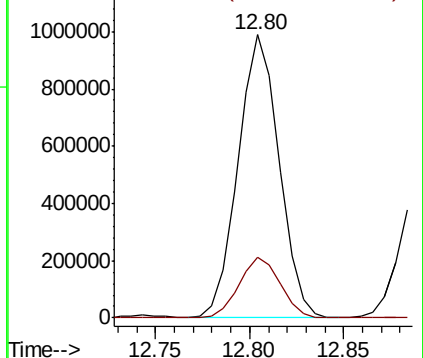
91 100

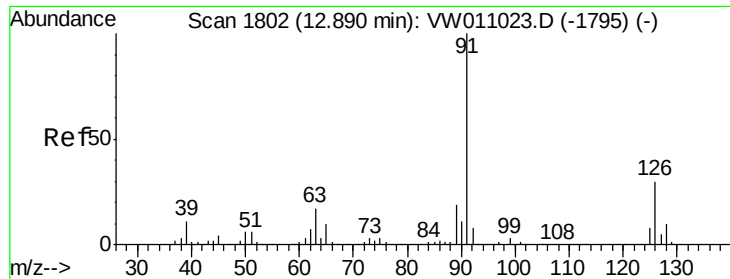
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 106.934 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

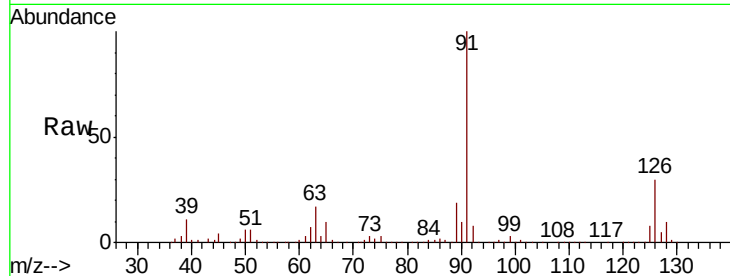
VSTDIC100

Tot Ion: 91 Resp: 844557

Ion Ratio Lower Upper

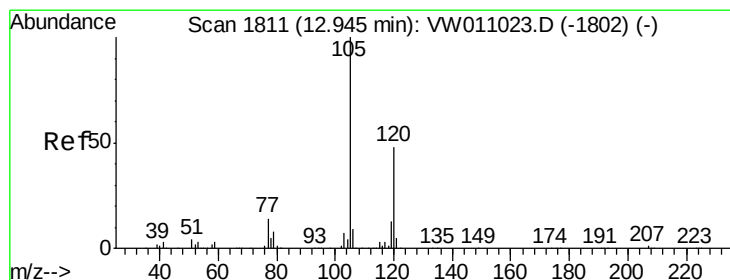
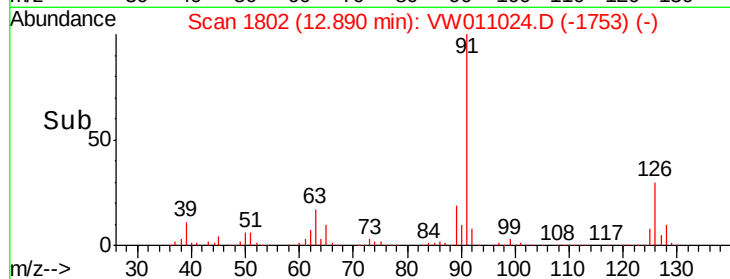
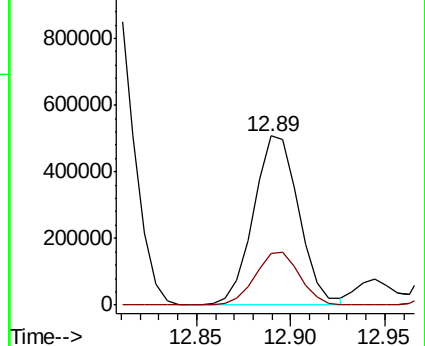
91 100

126 30.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 109.302 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011024.D

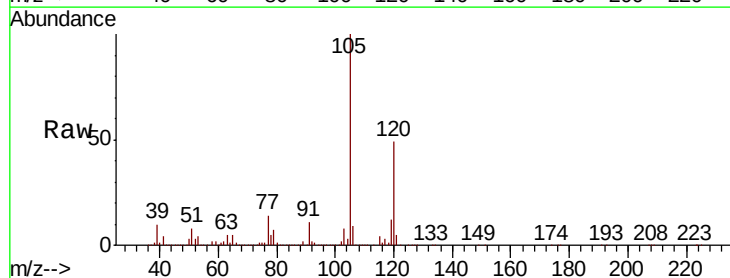
Acq: 27 Jun 2019 16:49

Tgt Ion:105 Resp: 1027969

Ion Ratio Lower Upper

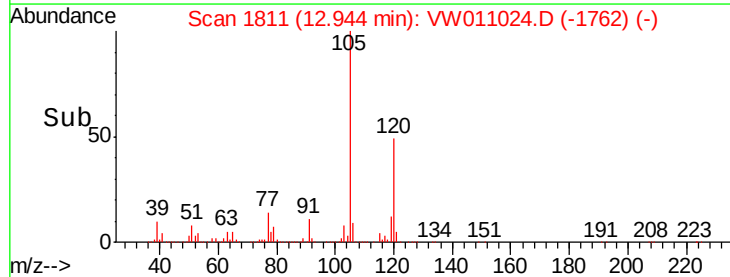
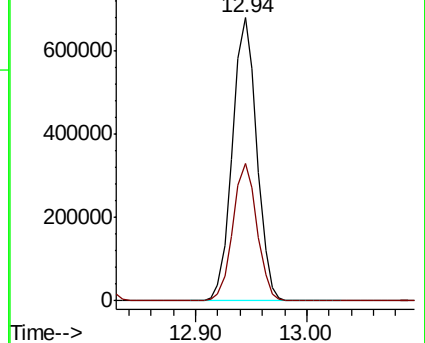
105 100

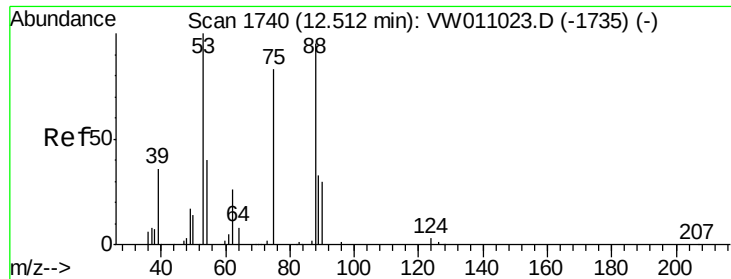
120 48.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 118.650 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

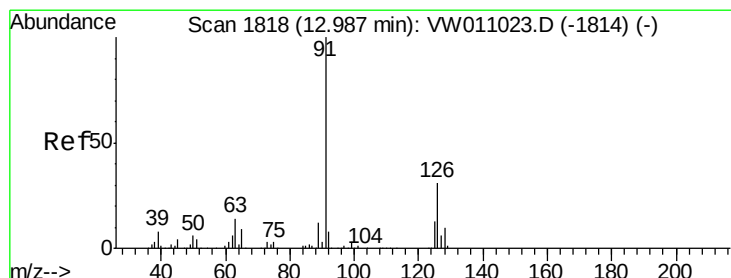
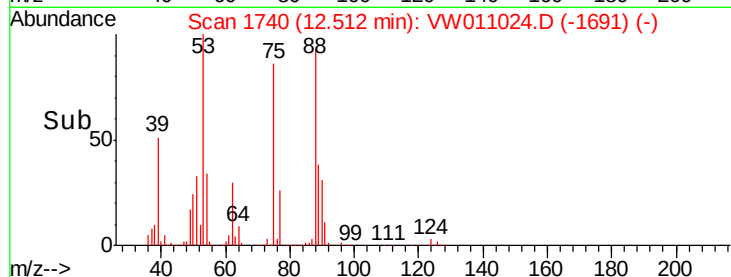
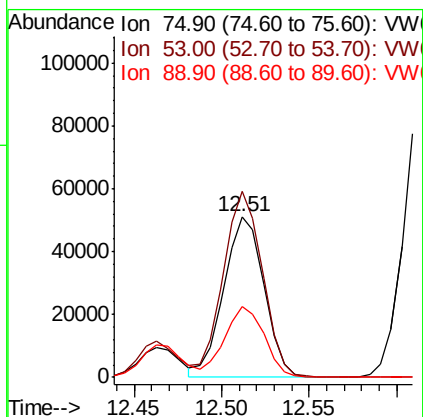
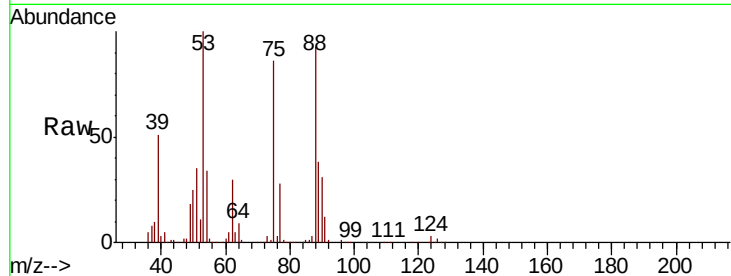
Tot Ion: 75 Resp: 82206

Ion Ratio Lower Upper

75 100

53 112.9 95.6 143.4

89 43.4 34.4 51.6



#82

4-Chlorotoluene

Concen: 107.268 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011024.D

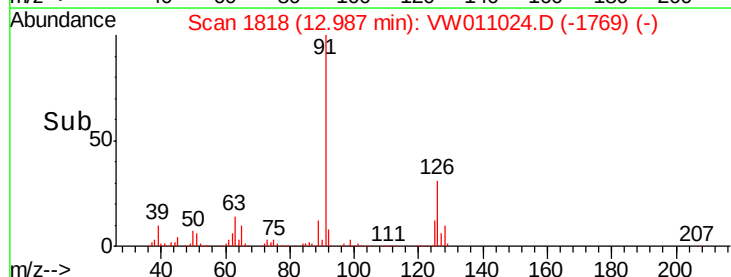
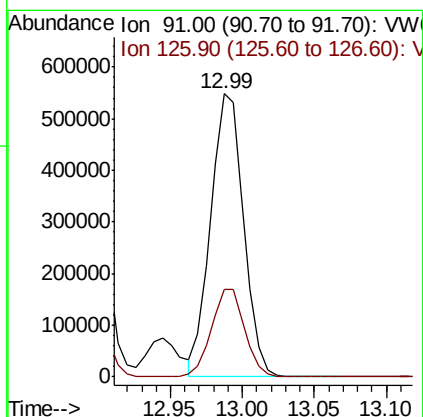
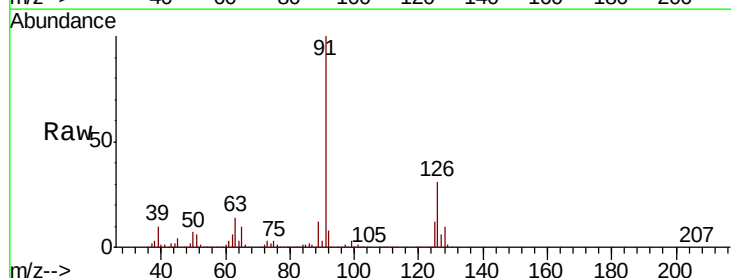
Acq: 27 Jun 2019 16:49

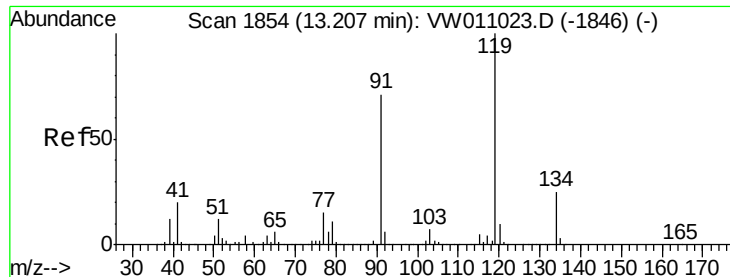
Tgt Ion: 91 Resp: 875674

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1

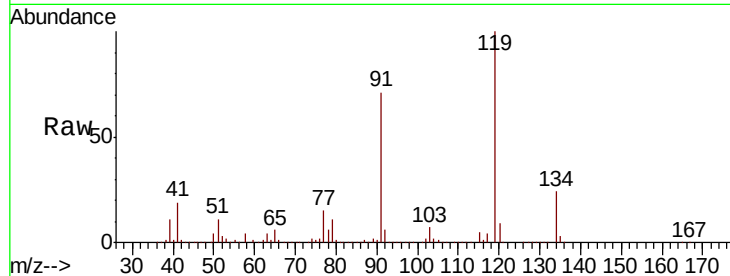




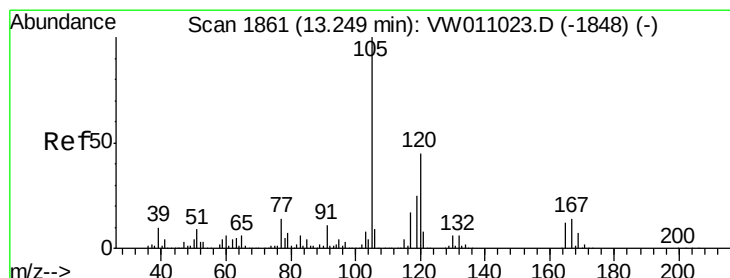
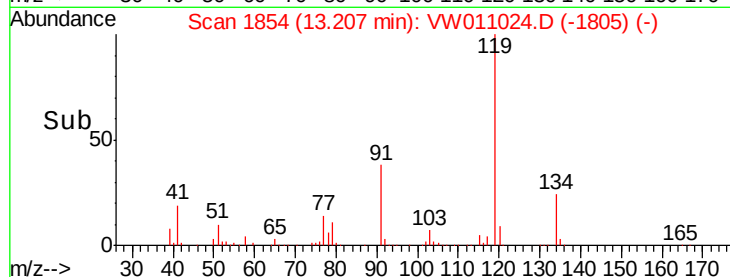
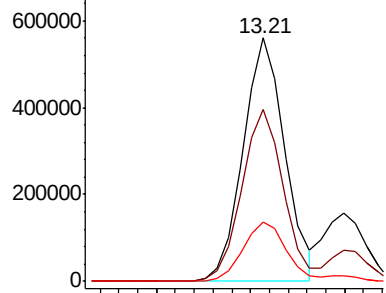
#83
 tert-Butylbenzene
 Concen: 108.245 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 860222
 Ion Ratio Lower Upper
 119 100
 91 71.3 35.5 106.5
 134 25.0 12.4 37.2

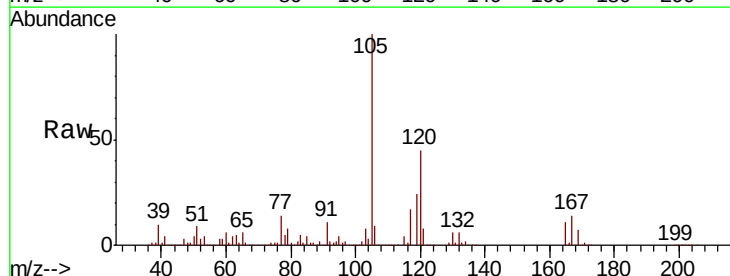


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

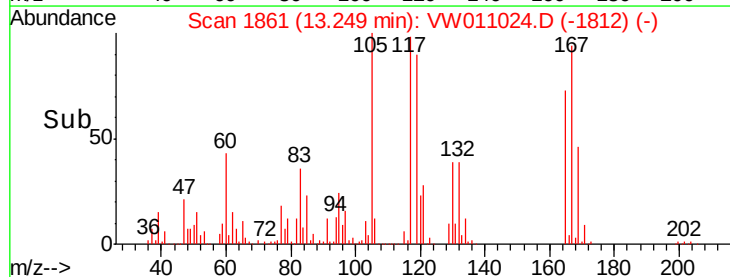
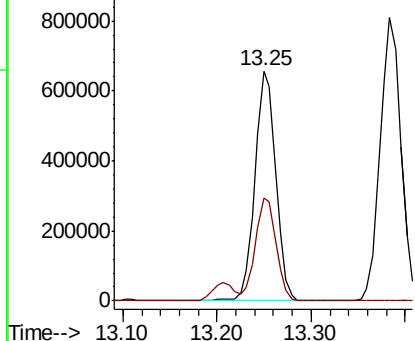


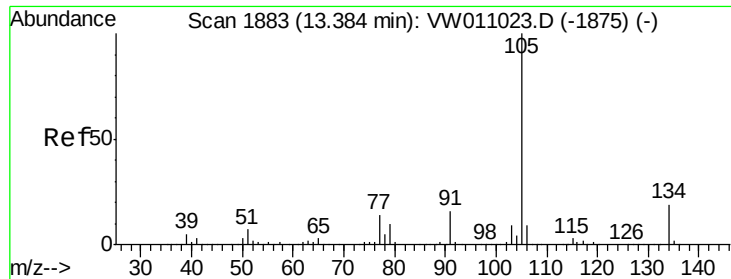
#84
 1,2,4-Trimethylbenzene
 Concen: 108.675 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:105 Resp: 1028398
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.2



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

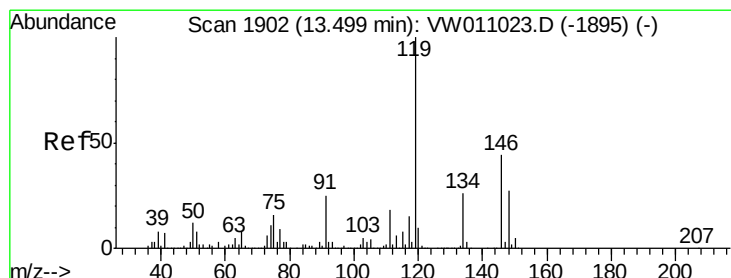
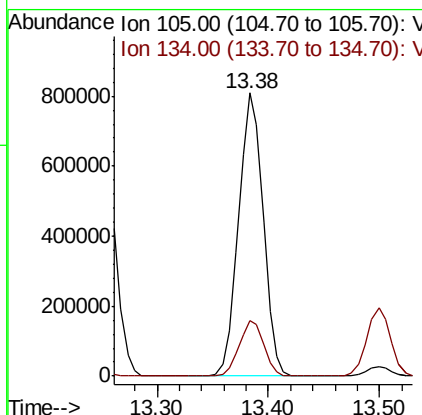
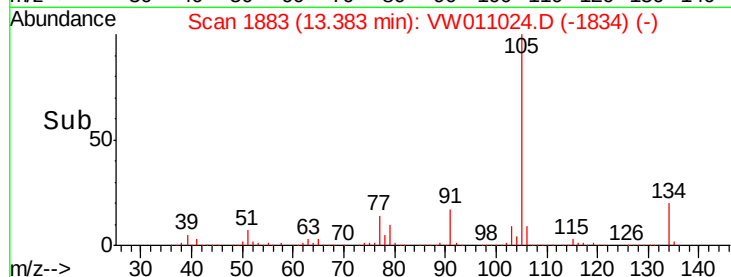
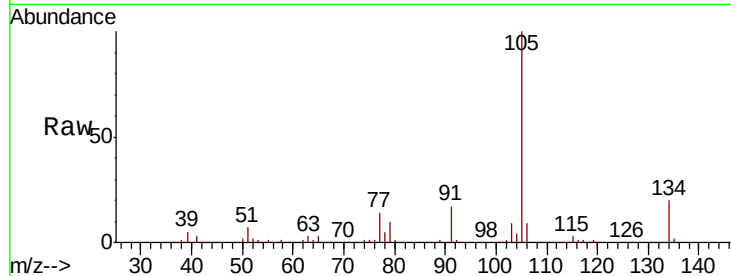




#85
 sec-Butylbenzene
 Concen: 107.198 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

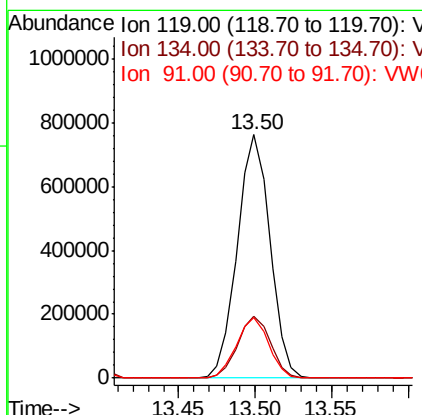
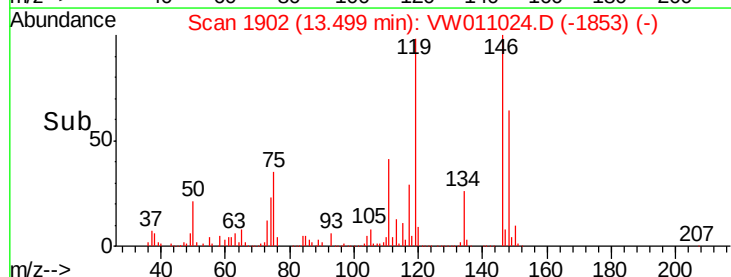
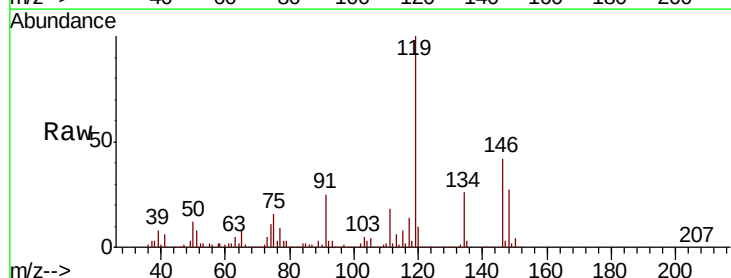
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

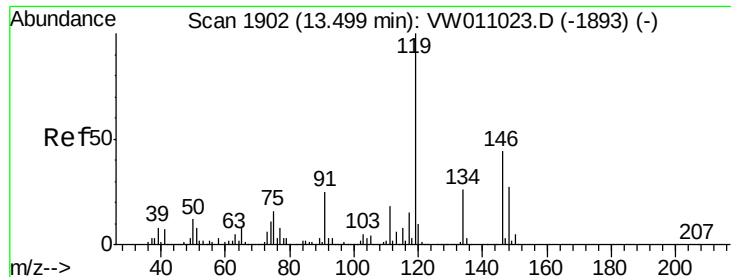
Tot Ion:105 Resp: 1239399
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 109.356 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:119 Resp: 1131803
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.7 12.3 36.9

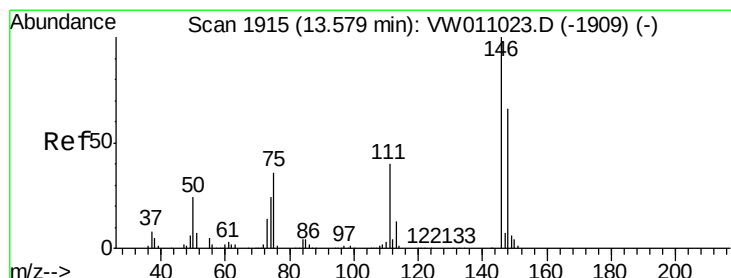
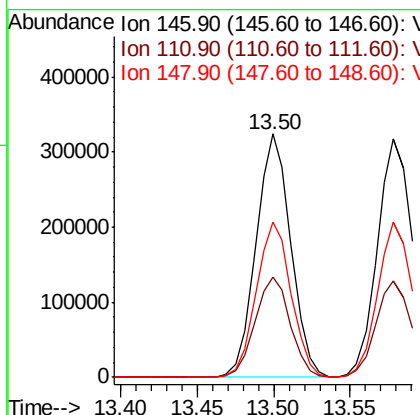
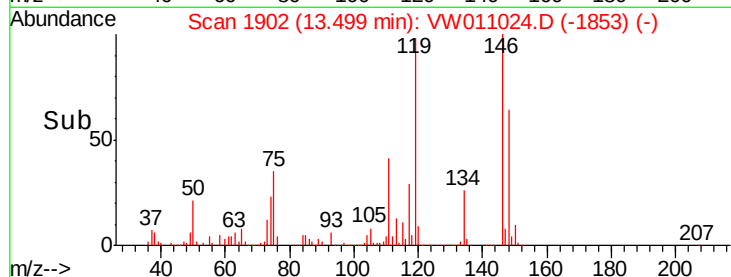
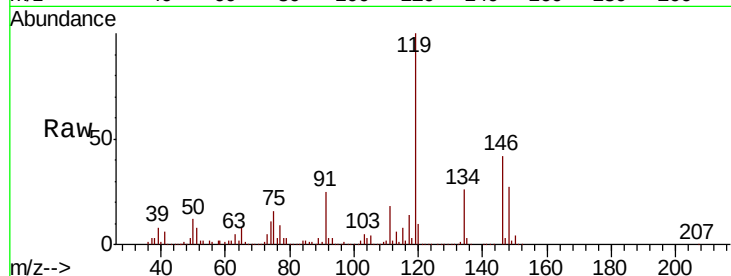




#87
 1,3-Dichlorobenzene
 Concen: 106.469 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

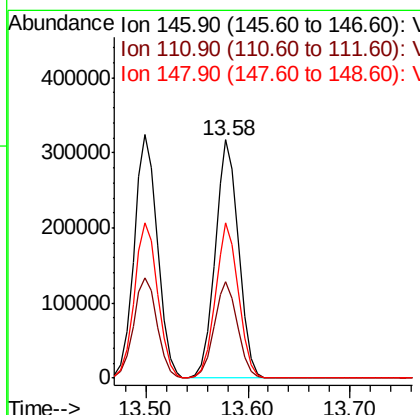
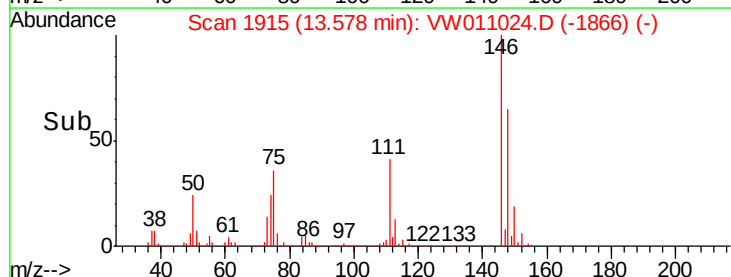
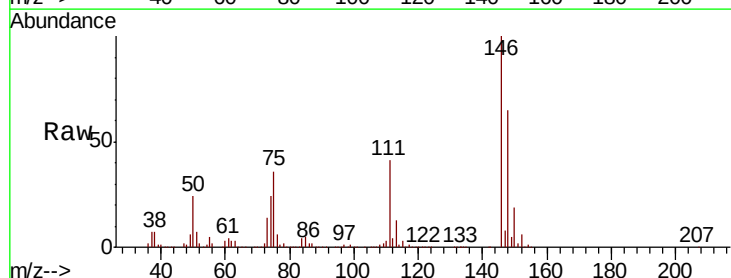
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

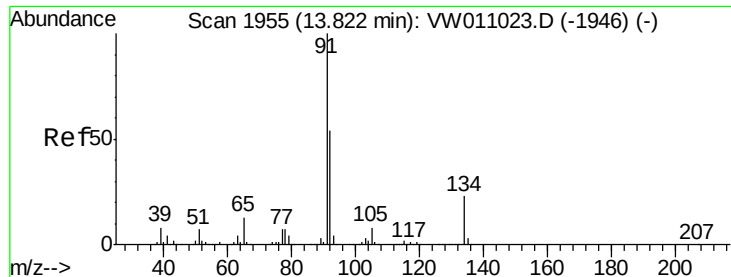
Tot Ion:146 Resp: 512651
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.9 62.8
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 106.032 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:146 Resp: 507541
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.6 61.9
 148 64.0 32.4 97.2





#89

n-Butylbenzene

Concen: 111.262 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

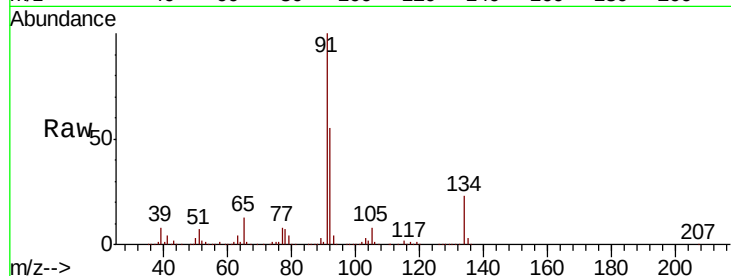
Tot Ion: 91 Resp: 1152145

Ion Ratio Lower Upper

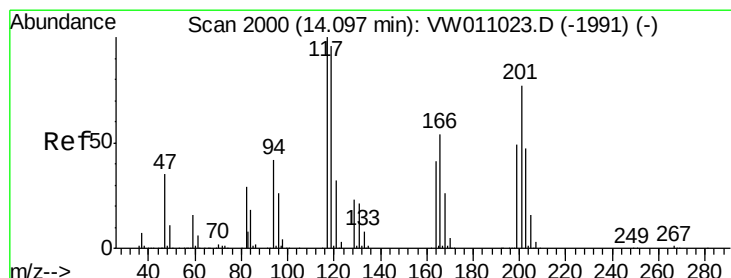
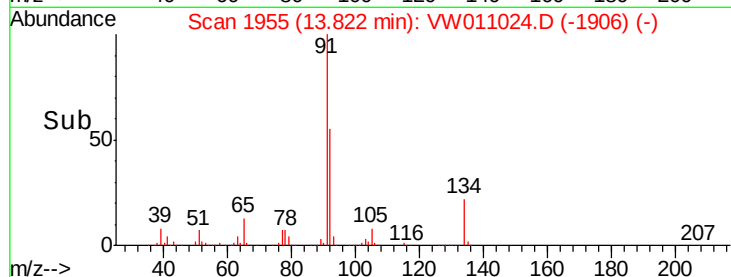
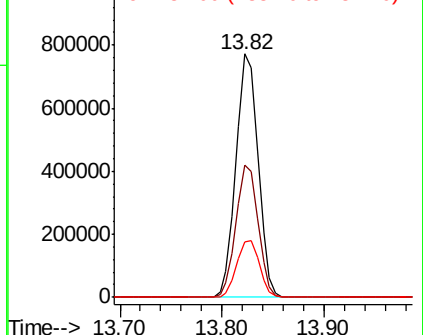
91 100

92 54.5 27.1 81.2

134 23.9 12.0 36.1



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: 110.866 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW011024.D

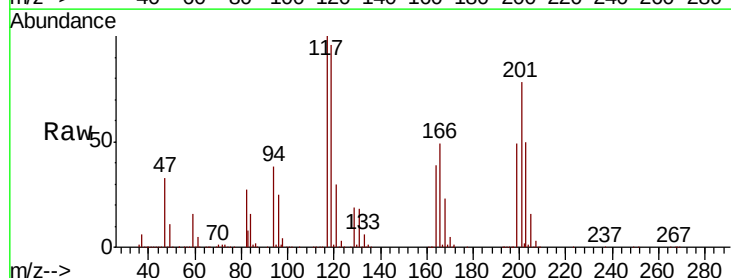
Acq: 27 Jun 2019 16:49

Tgt Ion: 117 Resp: 203587

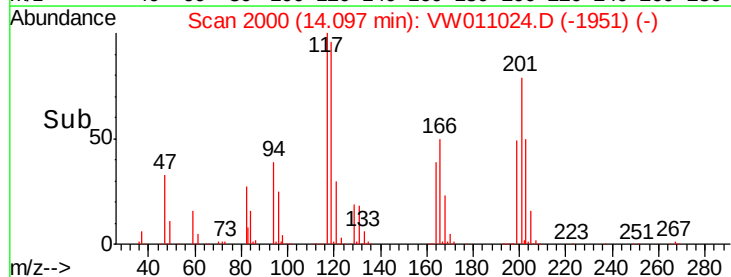
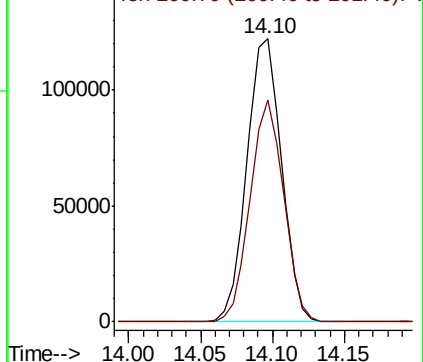
Ion Ratio Lower Upper

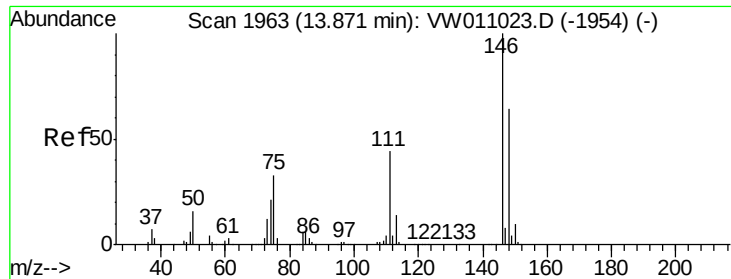
117 100

201 75.8 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

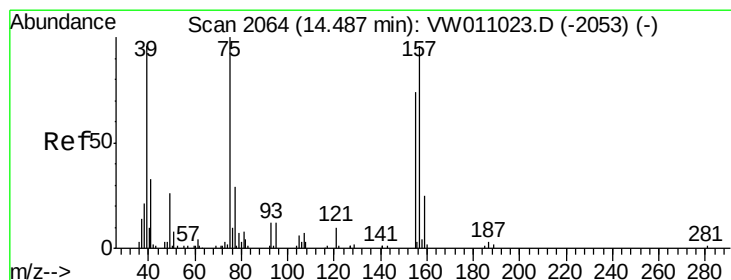
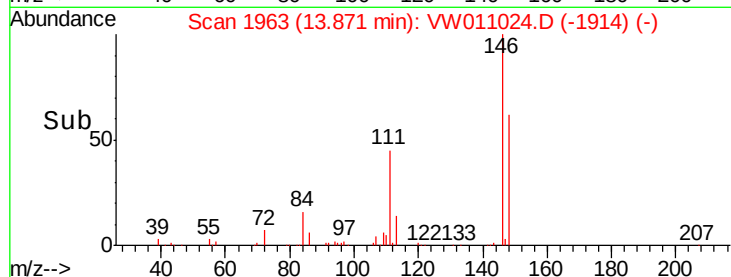
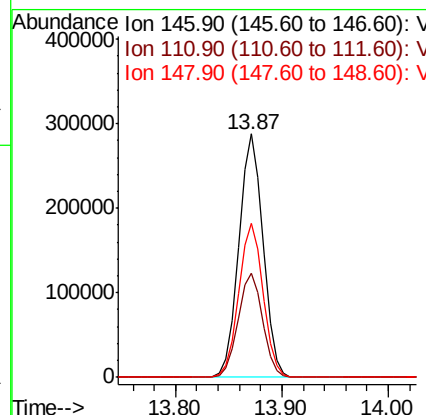
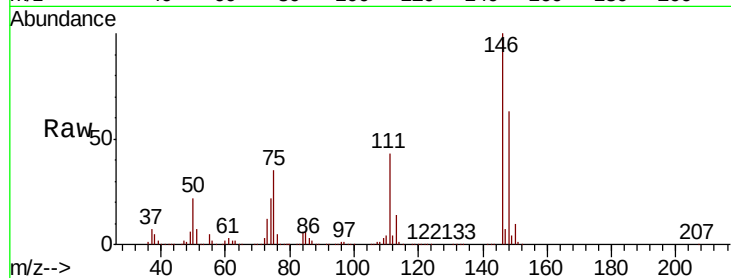




#91
 1,2-Dichlorobenzene
 Concen: 105.607 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

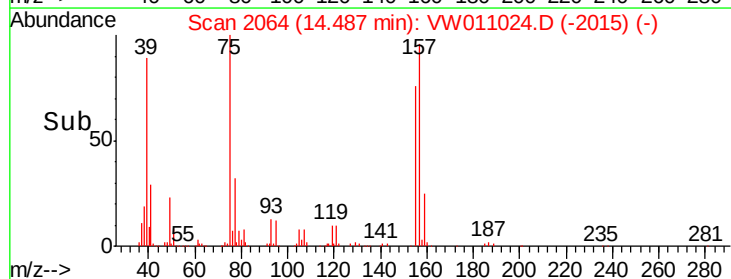
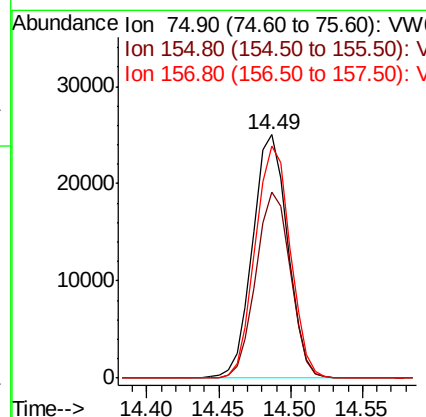
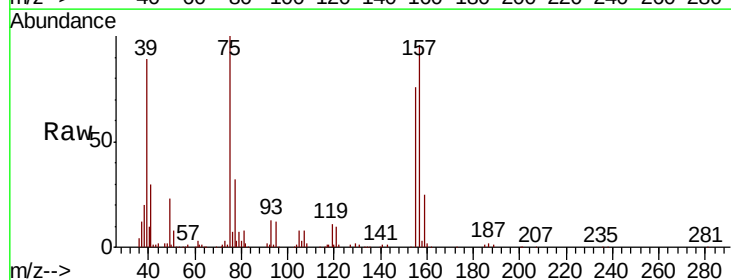
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

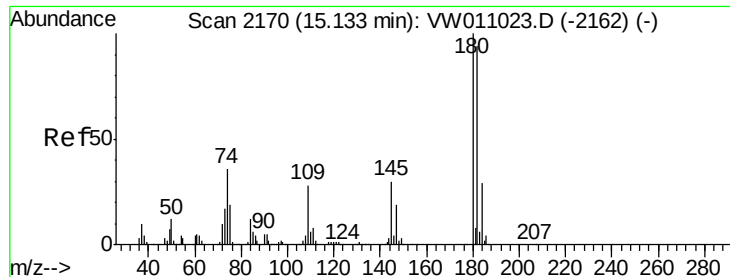
Tot Ion:146 Resp: 459408
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.4 64.3
 148 63.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 111.525 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 75 Resp: 42119
 Ion Ratio Lower Upper
 75 100
 155 75.5 37.0 110.9
 157 95.4 45.9 137.7

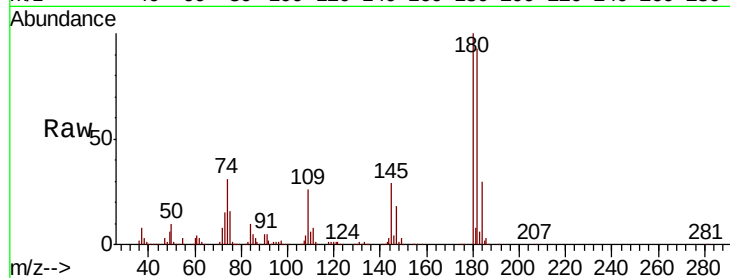




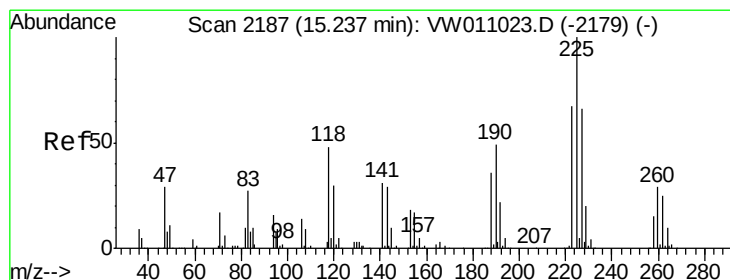
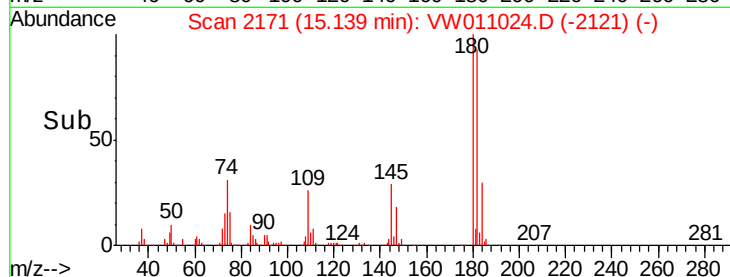
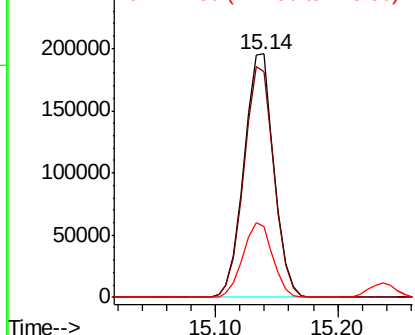
#93
 1,2,4-Trichlorobenzene
 Concen: 108.757 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 331803
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.4 142.2
 145 30.5 15.3 45.8

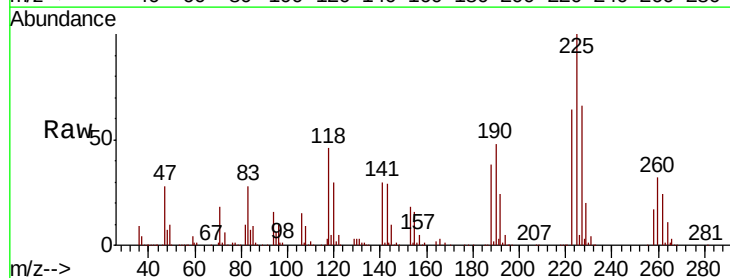


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

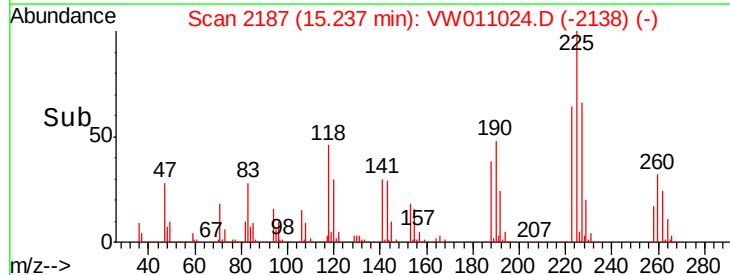
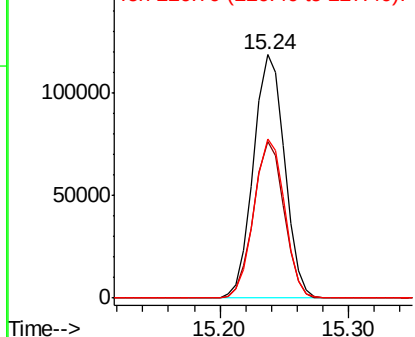


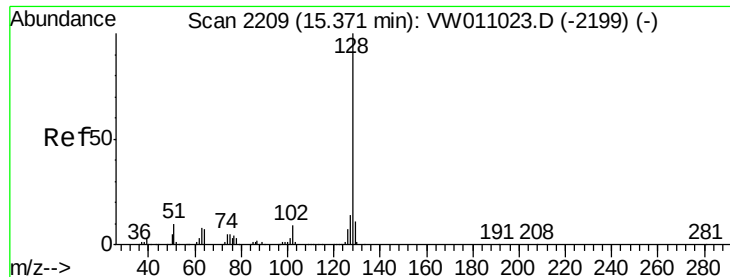
#94
 Hexachlorobutadiene
 Concen: 103.675 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:225 Resp: 197165
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.9
 227 64.6 31.9 95.9



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

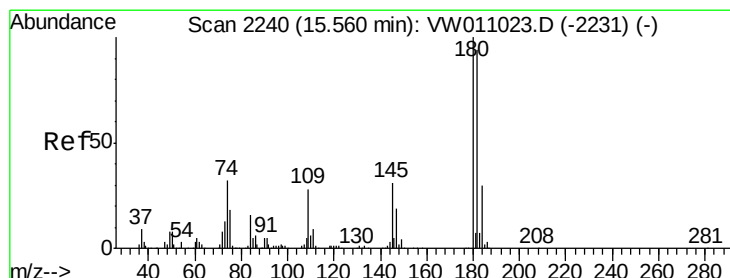
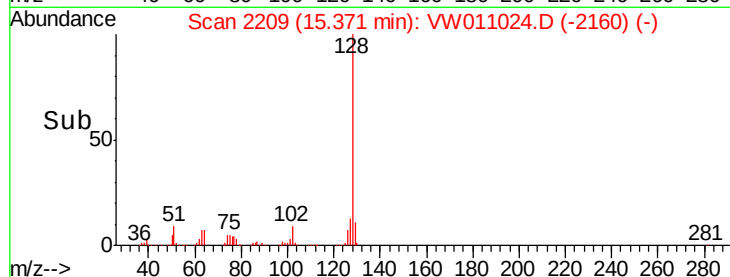
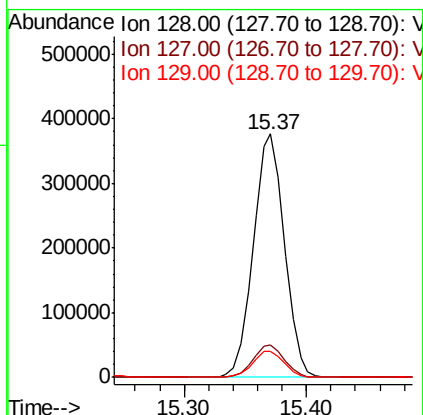
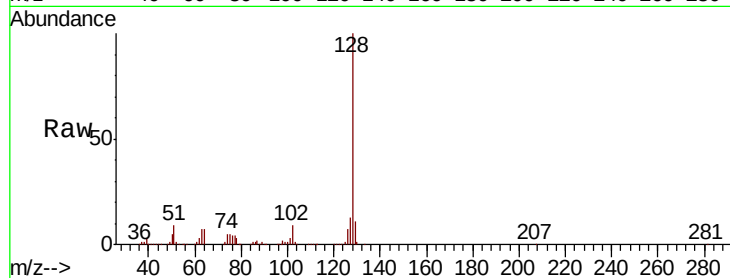




#95
Naphthalene
Concen: 118.627 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 665109
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 112.241 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:180 Resp: 292992
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 32.1 16.1 48.2

