

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013762.D
 Acq On : 28 Oct 2019 13:21
 Operator : SY/VA
 Sample : VW1028SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 11:45:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	322034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	454823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198778	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	123448	51.10	ug/l	0.00
Spiked Amount						
			Recovery	=	102.20%	
35) Dibromofluoromethane	7.88	113	126913	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
50) Toluene-d8	10.32	98	528037	51.28	ug/l	0.00
Spiked Amount						
			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	176374	50.58	ug/l	0.00
Spiked Amount						
			Recovery	=	101.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39213	23.113	ug/l	97
3) Chloromethane	2.21	50	42224	23.158	ug/l	98
4) Vinyl Chloride	2.37	62	63927	23.216	ug/l	95
5) Bromomethane	2.78	94	39118	21.601	ug/l	99
6) Chloroethane	2.92	64	36138	21.689	ug/l	99
7) Trichlorofluoromethane	3.26	101	40679	23.652	ug/l	95
8) Diethyl Ether	3.68	74	30375	21.860	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60075	21.486	ug/l	99
10) Methyl Iodide	4.28	142	96028	21.076	ug/l	99
11) Tert butyl alcohol	5.20	59	16851	116.845	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	60889	21.082	ug/l	98
13) Acrolein	3.90	56	13931	84.316	ug/l	98
14) Allyl chloride	4.67	41	93513	21.057	ug/l	99
15) Acrylonitrile	5.37	53	63646	112.644	ug/l	96
16) Acetone	4.13	43	50539	98.666	ug/l	93
17) Carbon Disulfide	4.39	76	178593	21.532	ug/l	100
18) Methyl Acetate	4.67	43	33309	23.722	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	76313	22.019	ug/l	100
20) Methylene Chloride	4.92	84	66367	20.774	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	66359	21.347	ug/l	99
22) Diisopropyl ether	6.31	45	169253	20.893	ug/l	96
23) Vinyl Acetate	6.26	43	499469	106.260	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106960	20.848	ug/l	99
25) 2-Butanone	7.17	43	76156	103.414	ug/l	97
26) 2,2-Dichloropropane	7.17	77	65007	21.912	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	68254	20.672	ug/l	98
28) Bromochloromethane	7.51	49	27185	15.814	ug/l #	99
29) Tetrahydrofuran	7.53	42	50757	111.329	ug/l	100
30) Chloroform	7.68	83	105876	20.876	ug/l	96
31) Cyclohexane	7.96	56	111126	20.697	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	86402	21.709	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90613	21.392	ug/l	99
37) Ethyl Acetate	7.25	43	36586	22.564	ug/l	99
38) Carbon Tetrachloride	8.07	117	82296	21.575	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115477	21.110	ug/l	99
40) Benzene	8.32	78	253353	21.135	ug/l	97
41) Methacrylonitrile	7.48	41	22278	22.033	ug/l	93
42) 1,2-Dichloroethane	8.40	62	65141	21.565	ug/l	99
43) Isopropyl Acetate	8.43	43	66085	21.292	ug/l	99
44) Trichloroethene	9.09	130	70908	20.650	ug/l	100
45) 1,2-Dichloropropane	9.37	63	60083	20.984	ug/l	99
46) Dibromomethane	9.46	93	29421	21.171	ug/l	98
47) Bromodichloromethane	9.65	83	74101	20.608	ug/l	98
48) Methyl methacrylate	9.44	41	32911	21.383	ug/l	99
49) 1,4-Dioxane	9.46	88	9436	459.493	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	166424	107.907	ug/l	100
52) Toluene	10.39	92	161607	20.900	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	75903	20.852	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	92990	20.706	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43987	21.238	ug/l	96
56) Ethyl methacrylate	10.65	69	54881	21.179	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76371	21.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	123297	103.386	ug/l	100
59) 2-Hexanone	10.97	43	113884	107.110	ug/l	99
60) Dibromochloromethane	11.13	129	50944	20.717	ug/l	97
61) 1,2-Dibromoethane	11.23	107	41761	21.313	ug/l	100
64) Tetrachloroethene	10.86	164	62542	21.384	ug/l	97
65) Chlorobenzene	11.66	112	167693	21.318	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	58248	21.217	ug/l	100
67) Ethyl Benzene	11.73	91	301869	21.282	ug/l	97
68) m/p-Xylenes	11.84	106	236316	43.122	ug/l	97
69) o-Xylene	12.16	106	106549	21.152	ug/l	99
70) Styrene	12.18	104	184834	21.357	ug/l	100
71) Bromoform	12.35	173	30665	21.285	ug/l #	97
73) Isopropylbenzene	12.46	105	296303	20.757	ug/l	99
74) N-amyl acetate	12.27	43	57292	20.748	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48296	21.440	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62496	43.780	ug/l #	100
77) Bromobenzene	12.74	156	71113	20.854	ug/l	97
78) n-propylbenzene	12.80	91	349899	21.177	ug/l	100
79) 2-Chlorotoluene	12.89	91	193806	20.873	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	256465	21.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16465	21.798	ug/l	99
82) 4-Chlorotoluene	12.99	91	205612	21.093	ug/l	99
83) tert-Butylbenzene	13.21	119	221584	20.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	251088	21.123	ug/l	99
85) sec-Butylbenzene	13.38	105	307995	21.057	ug/l	100
86) p-Isopropyltoluene	13.50	119	287360	21.090	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	140091	21.203	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	137450	20.940	ug/l	99
89) n-Butylbenzene	13.82	91	263306	21.410	ug/l	100
90) Hexachloroethane	14.09	117	49031	20.703	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	120653	21.061	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7617	22.361	ug/l	95

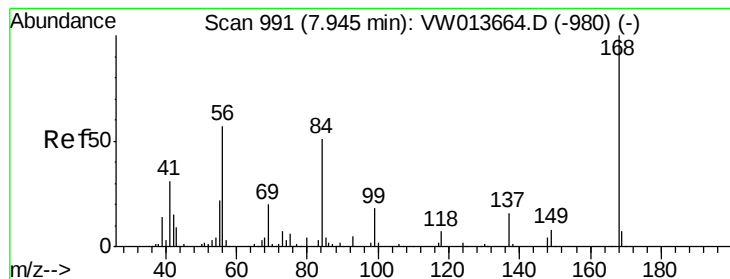
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	85843	20.590	ug/l	99
94) Hexachlorobutadiene	15.24	225	58737	20.869	ug/l	100
95) Naphthalene	15.36	128	139274	21.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	75335	20.970	ug/l	100

(#) = 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: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

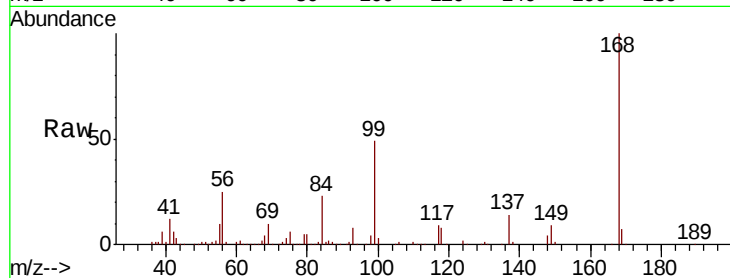
ClientSampleId :

Tot Ion:168 Resp: 322034

Ion Ratio Lower Upper

168 100

99 49.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

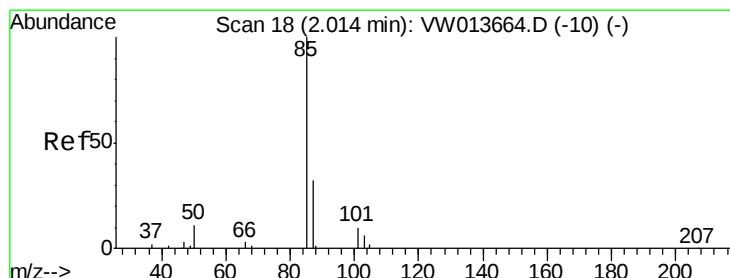
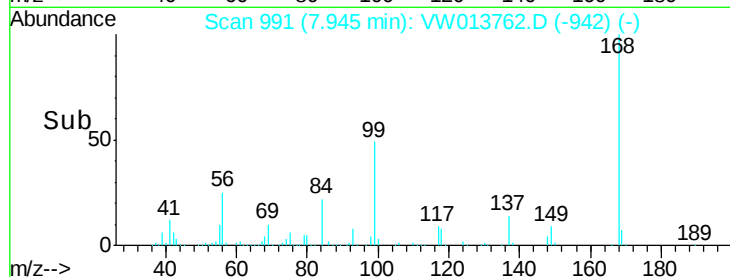
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.113 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013762.D

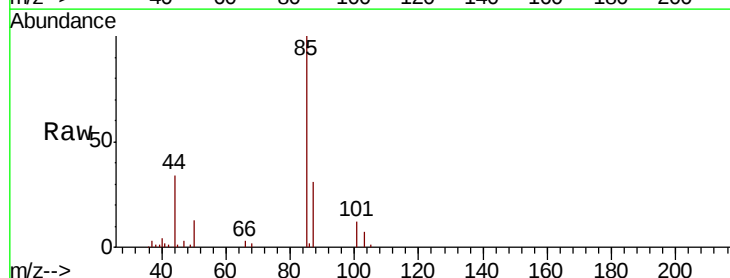
Acq: 28 Oct 2019 13:21

Tgt Ion: 85 Resp: 39213

Ion Ratio Lower Upper

85 100

87 30.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

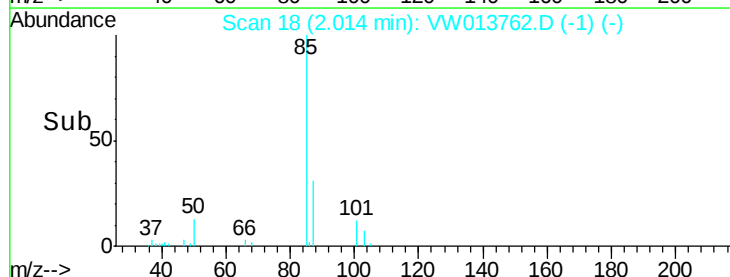
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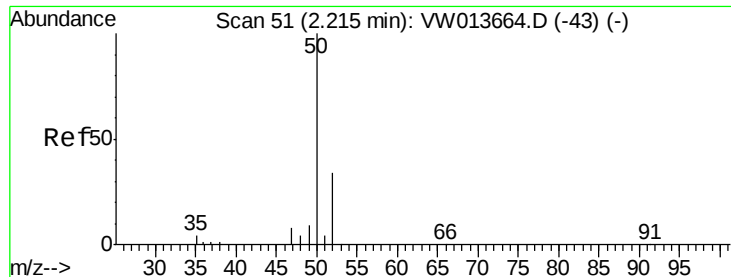
10000

5000

0

Time-->





#3

Chloromethane

Concen: 23.158 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

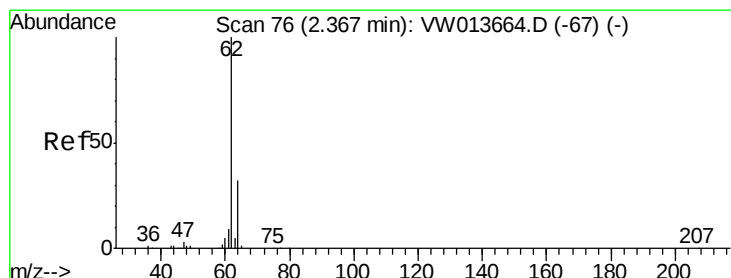
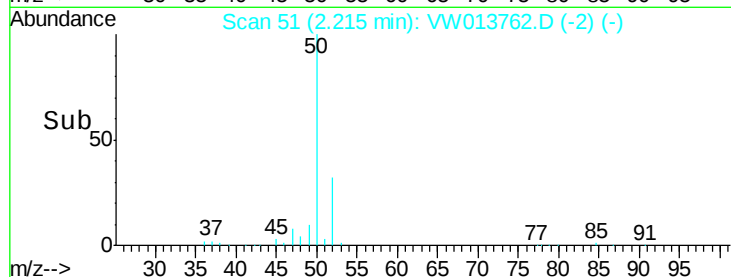
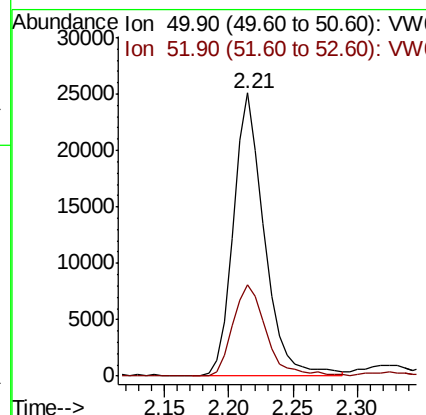
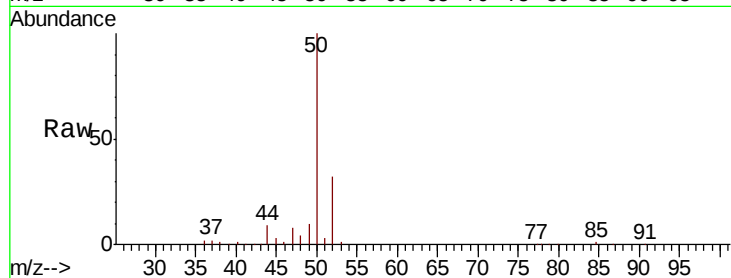
ClientSampled :

Tot Ion: 50 Resp: 42224

Ion Ratio Lower Upper

50 100

52 32.4 26.9 40.3



#4

Vinyl Chloride

Concen: 23.216 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013762.D

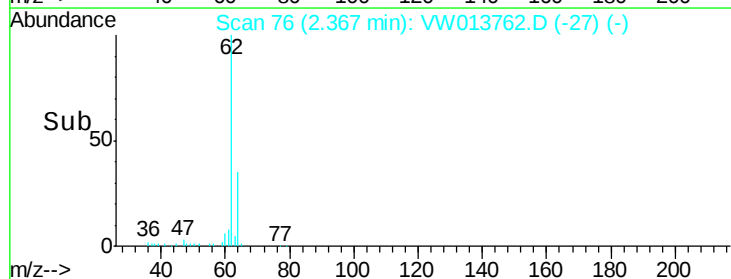
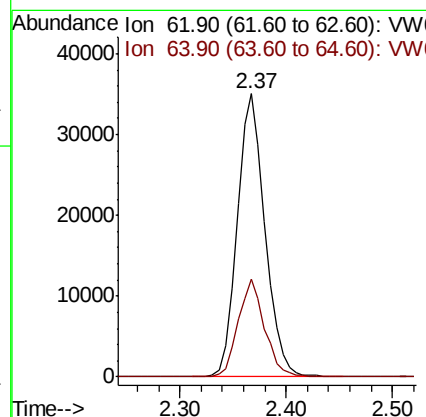
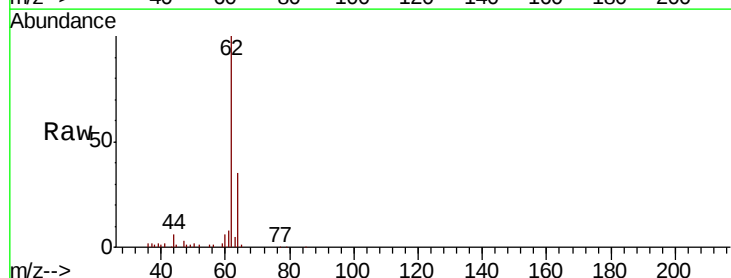
Acq: 28 Oct 2019 13:21

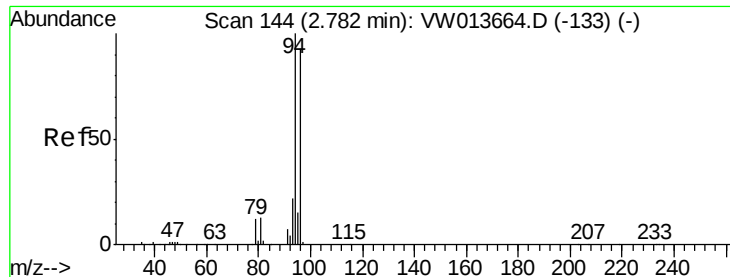
Tgt Ion: 62 Resp: 63927

Ion Ratio Lower Upper

62 100

64 34.5 25.5 38.3





#5

Bromomethane

Concen: 21.601 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

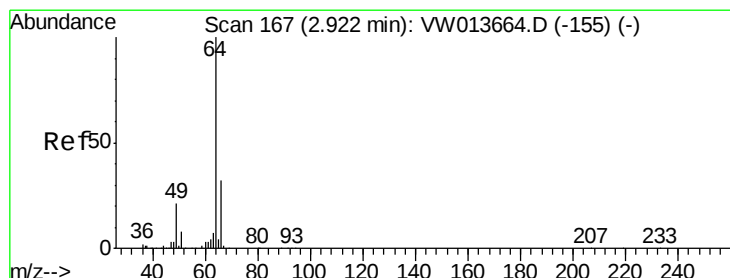
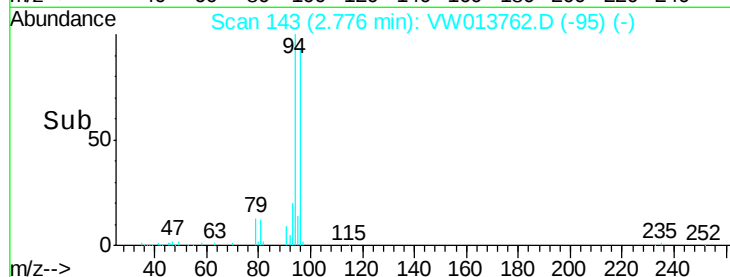
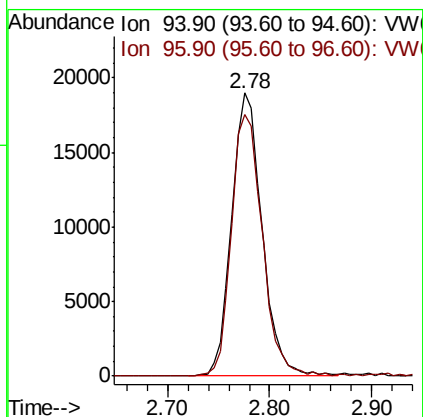
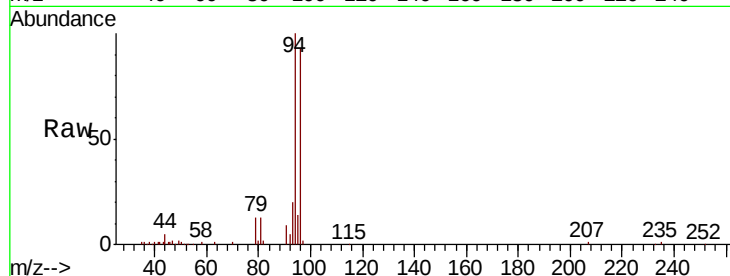
ClientSampleId :

Tot Ion: 94 Resp: 39118

Ion Ratio Lower Upper

94 100

96 92.6 74.6 112.0



#6

Chloroethane

Concen: 21.689 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013762.D

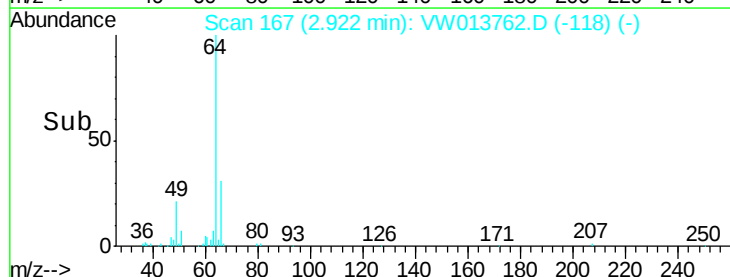
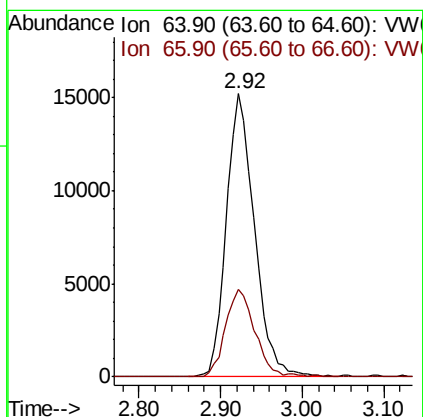
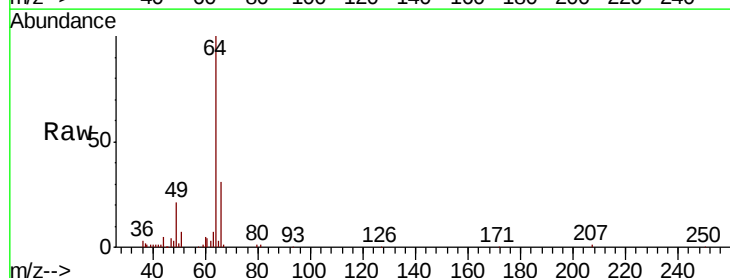
Acq: 28 Oct 2019 13:21

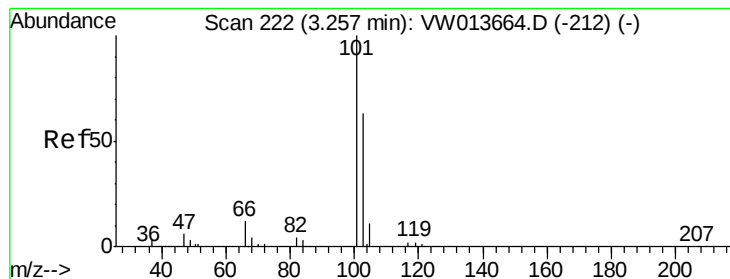
Tgt Ion: 64 Resp: 36138

Ion Ratio Lower Upper

64 100

66 31.0 25.4 38.0



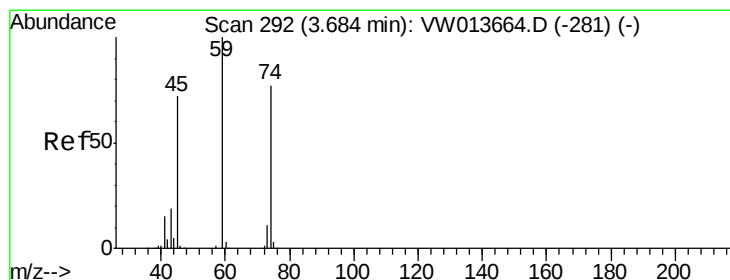
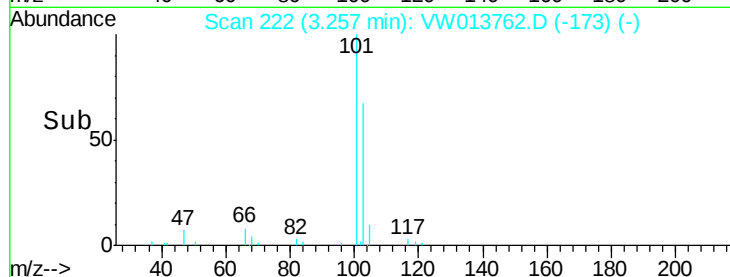
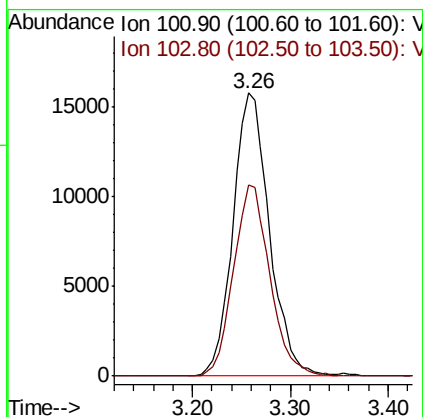
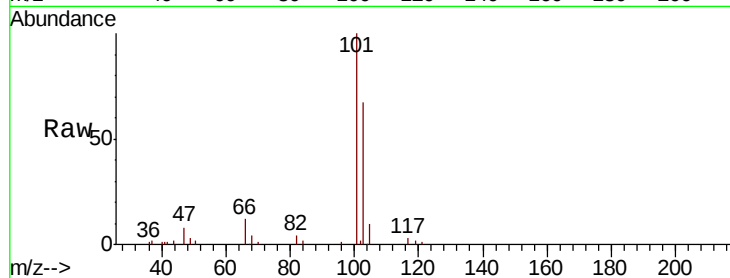


#7

Trichlorofluoromethane
 Concen: 23.652 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Instrument :
 MSVOA_W
 ClientSampleId :

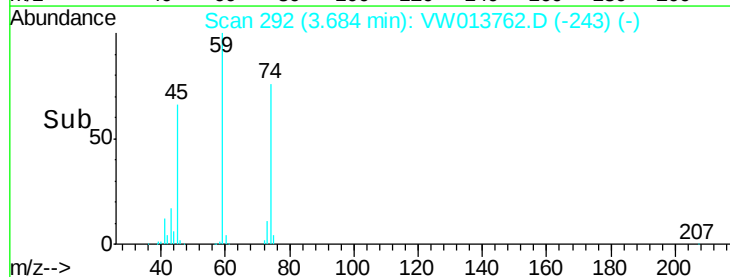
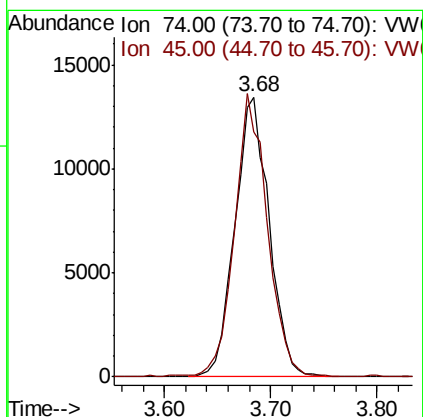
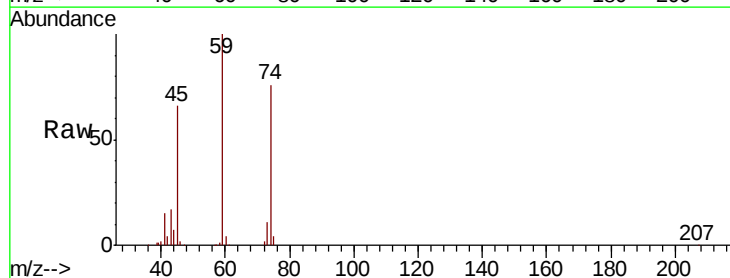
Tot Ion:101 Resp: 40679
 Ion Ratio Lower Upper
 101 100
 103 67.5 50.6 76.0

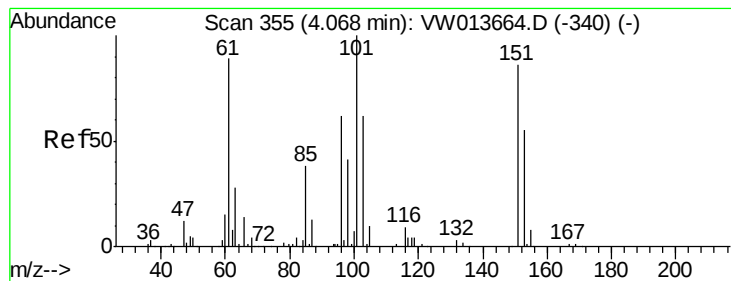


#8

Diethyl Ether
 Concen: 21.860 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion: 74 Resp: 30375
 Ion Ratio Lower Upper
 74 100
 45 97.0 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.486 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

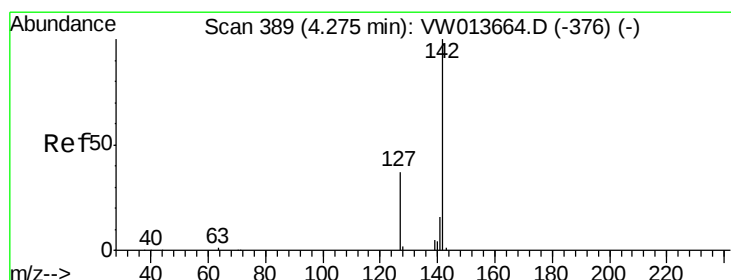
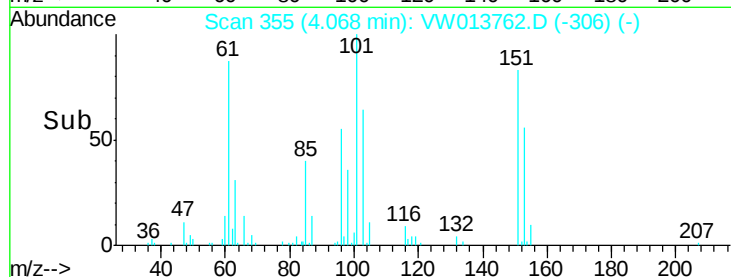
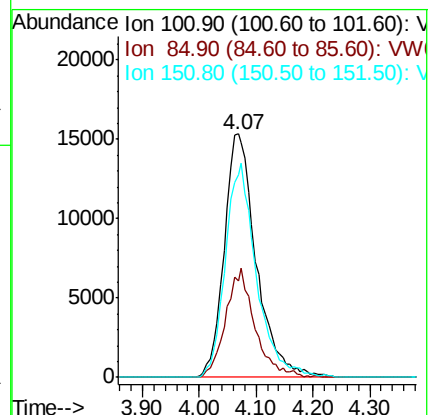
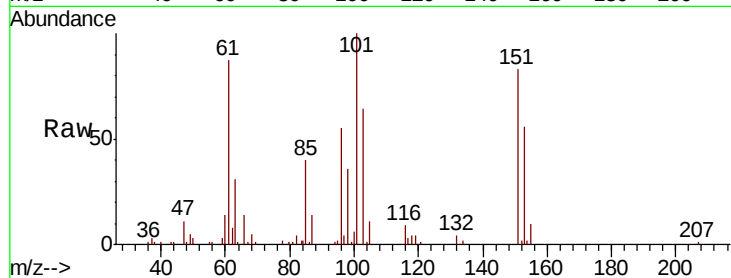
Tot Ion:101 Resp: 60075

Ion Ratio Lower Upper

101 100

85 40.8 31.0 46.6

151 85.0 68.2 102.4



#10

Methyl Iodide

Concen: 21.076 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

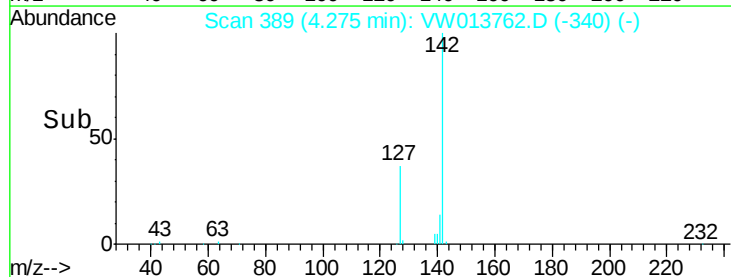
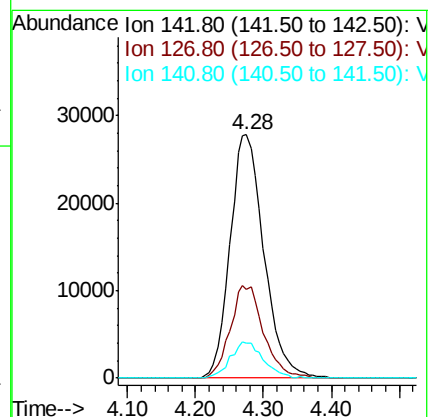
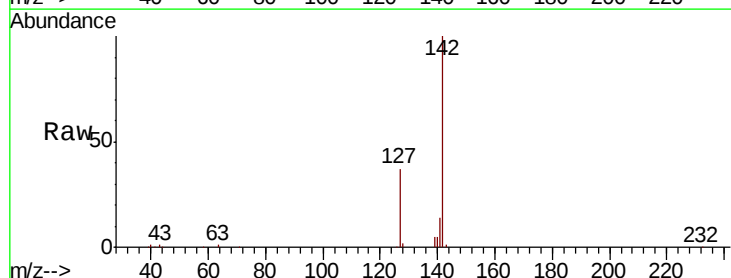
Tgt Ion:142 Resp: 96028

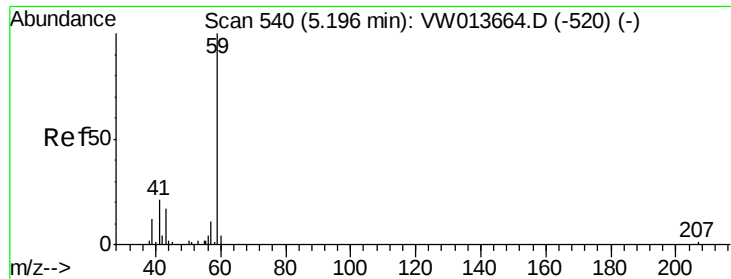
Ion Ratio Lower Upper

142 100

127 37.5 30.3 45.5

141 14.4 11.8 17.8

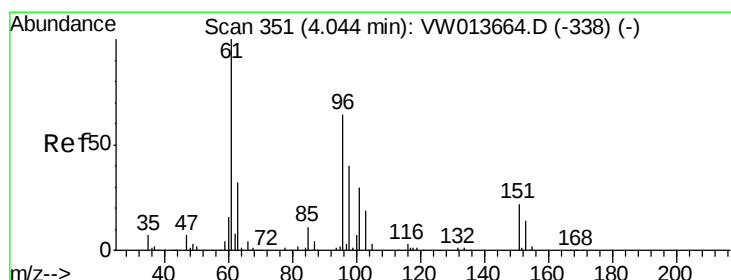
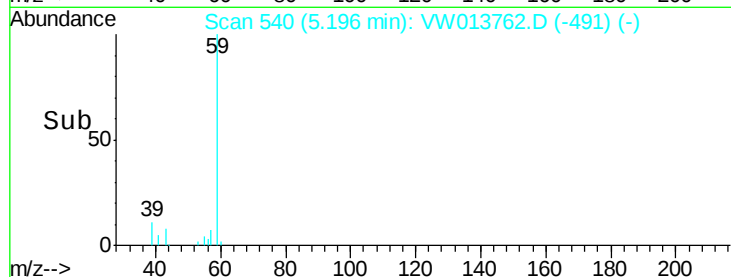
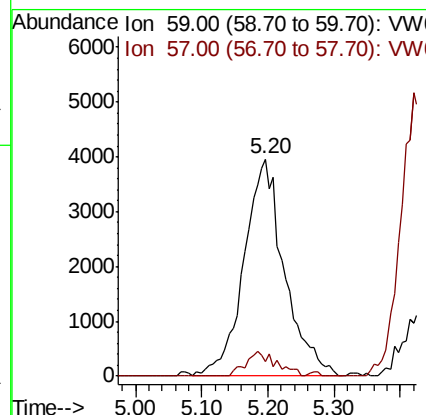
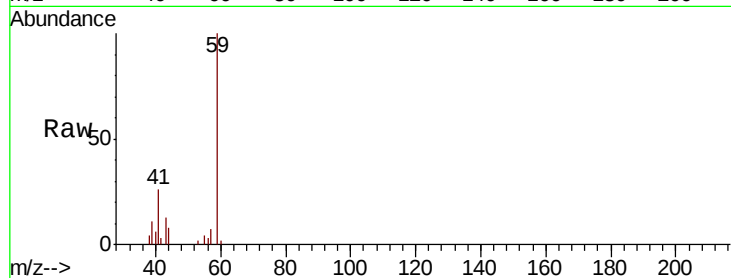




#11
Tert butyl alcohol
Concen: 116.845 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

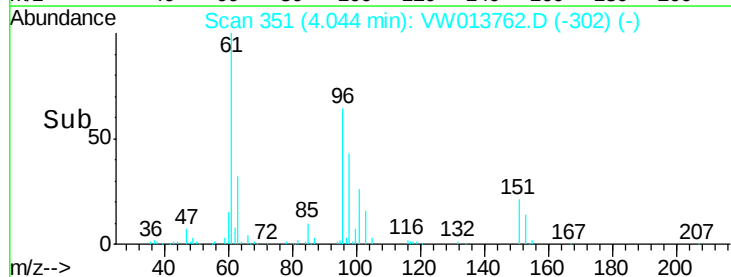
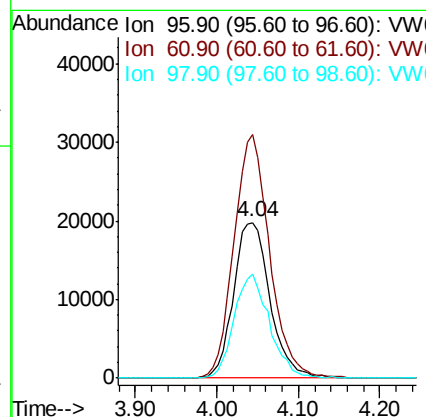
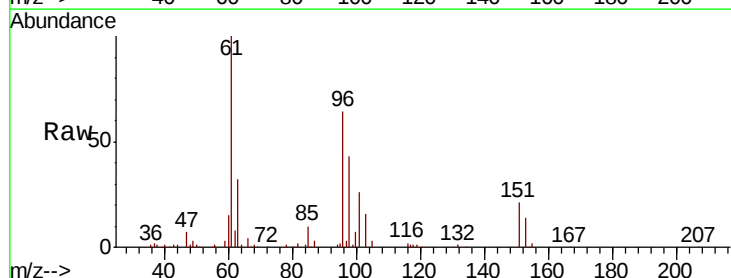
Instrument :
MSVOA_W
ClientSampleId :

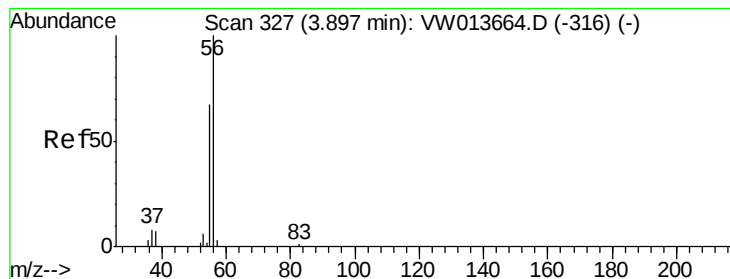
Tot Ion: 59 Resp: 16851
Ion Ratio Lower Upper
59 100
57 8.6 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 21.082 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 96 Resp: 60889
Ion Ratio Lower Upper
96 100
61 156.7 125.0 187.6
98 66.6 50.3 75.5





#13

Acrolein

Concen: 84.316 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

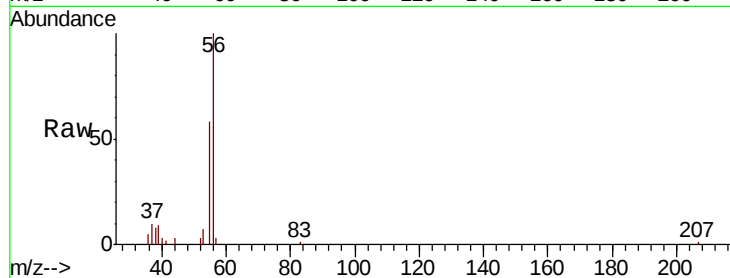
ClientSampleId :

Tot Ion: 56 Resp: 13931

Ion Ratio Lower Upper

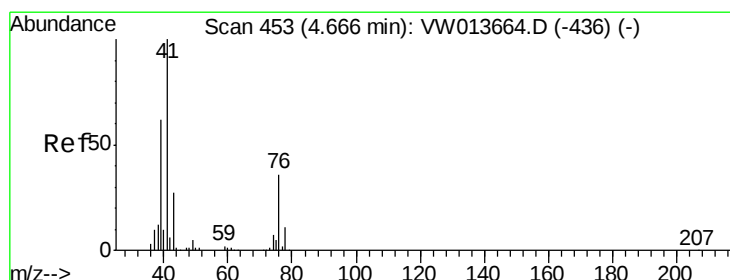
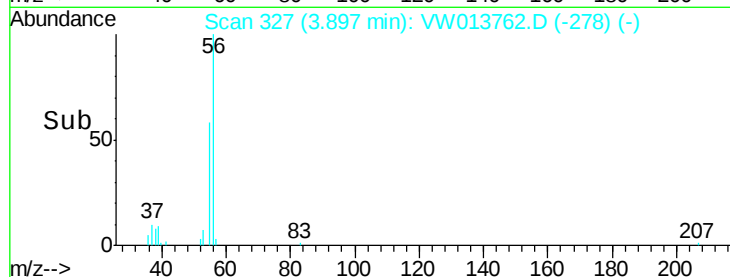
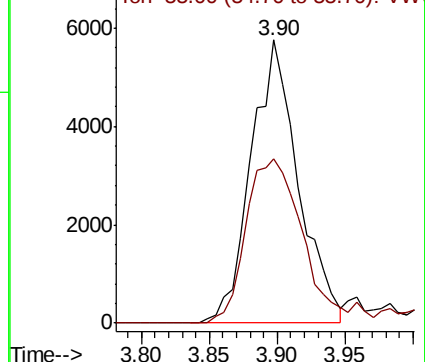
56 100

55 68.5 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.057 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

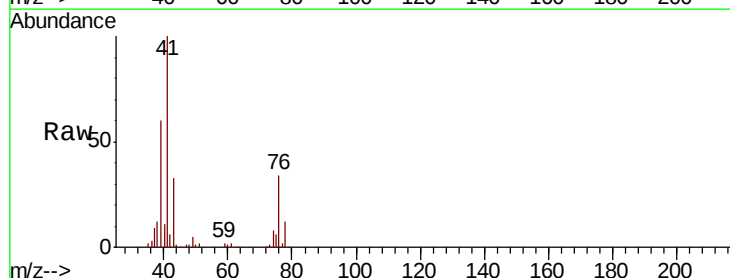
Tgt Ion: 41 Resp: 93513

Ion Ratio Lower Upper

41 100

39 63.2 50.0 75.0

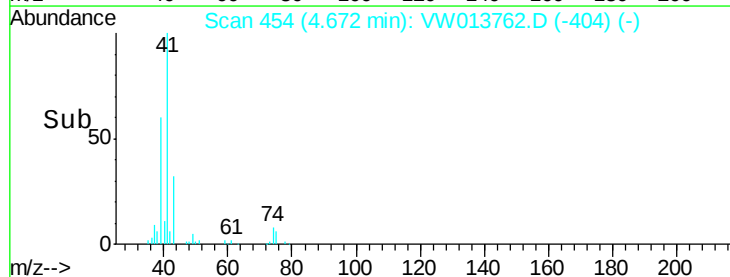
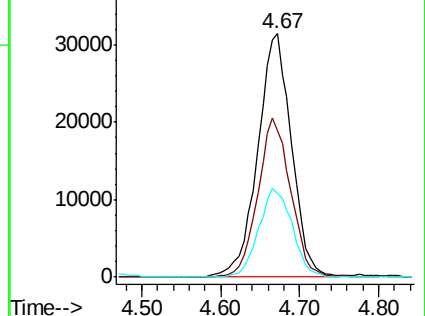
76 36.1 29.6 44.4

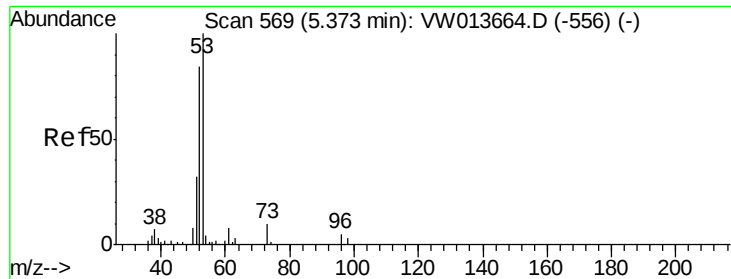


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 112.644 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

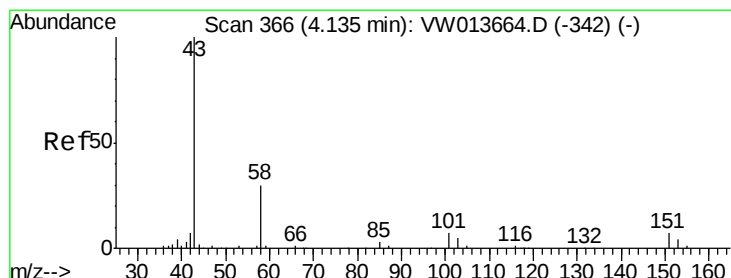
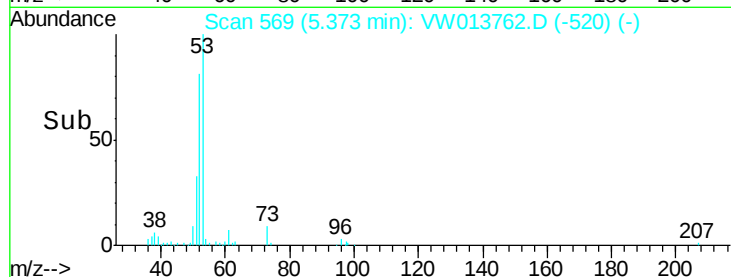
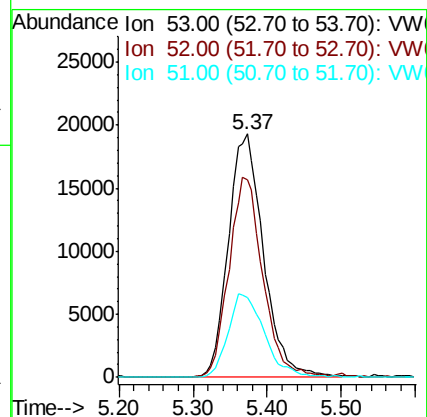
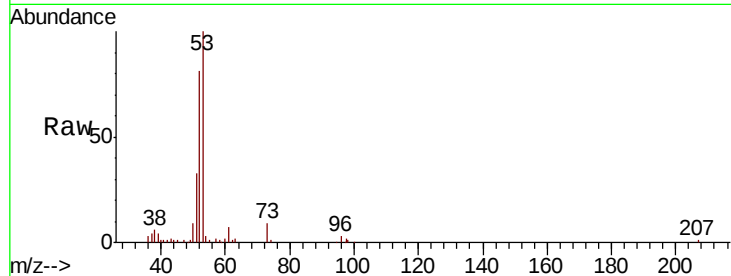
Tot Ion: 53 Resp: 63646

Ion Ratio Lower Upper

53 100

52 79.2 67.4 101.0

51 35.5 29.1 43.7



#16

Acetone

Concen: 98.666 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013762.D

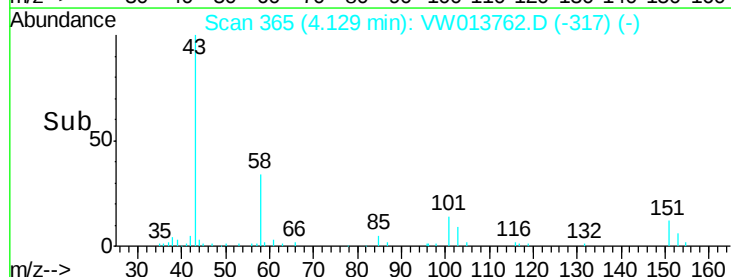
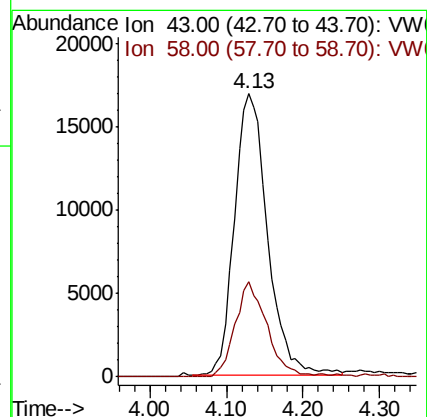
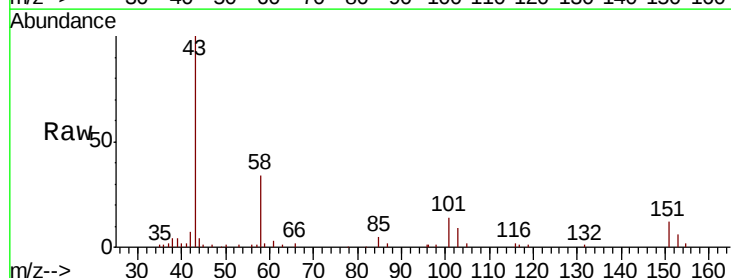
Acq: 28 Oct 2019 13:21

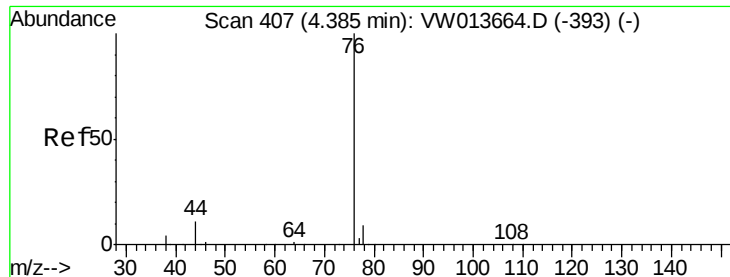
Tgt Ion: 43 Resp: 50539

Ion Ratio Lower Upper

43 100

58 33.8 24.1 36.1





#17

Carbon Disulfide

Concen: 21.532 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

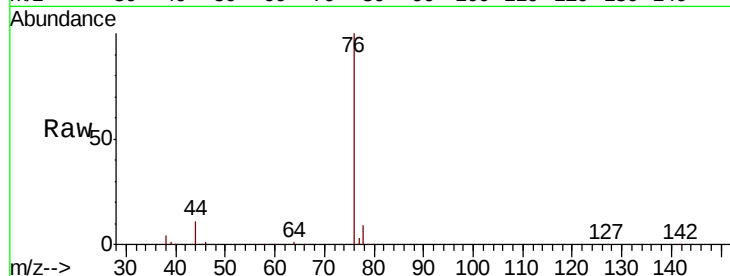
ClientSampleId :

Tot Ion: 76 Resp: 178593

Ion Ratio Lower Upper

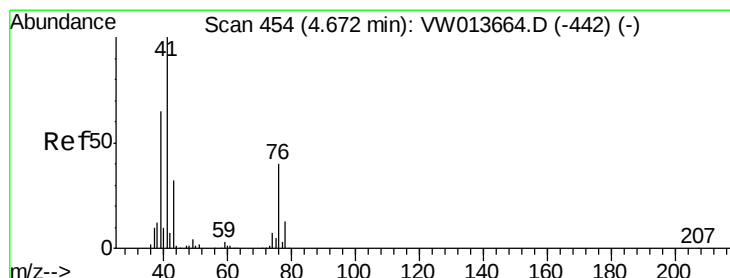
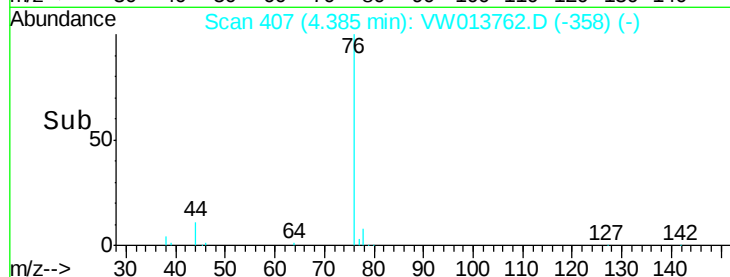
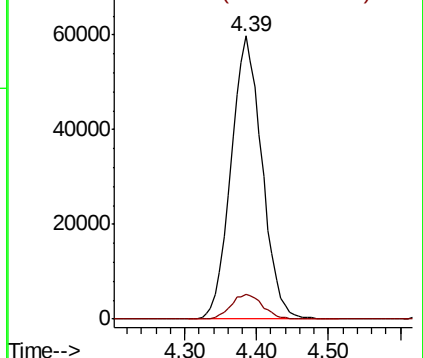
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.722 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013762.D

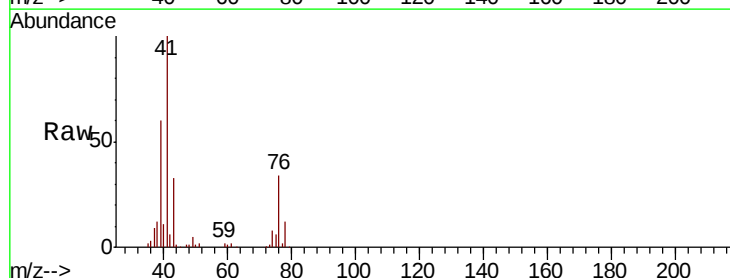
Acq: 28 Oct 2019 13:21

Tgt Ion: 43 Resp: 33309

Ion Ratio Lower Upper

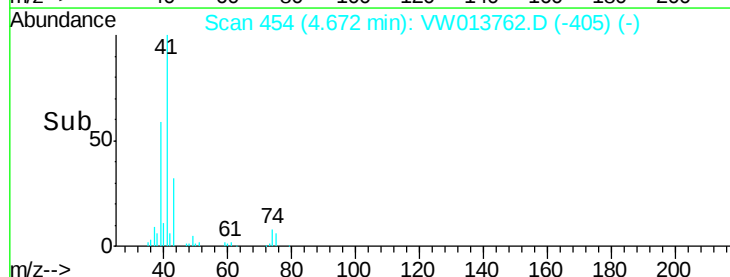
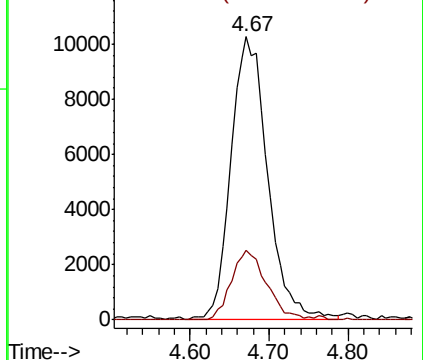
43 100

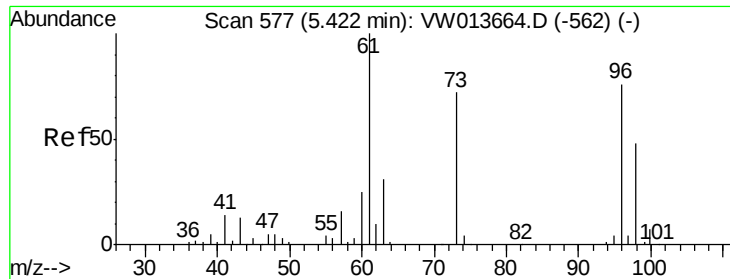
74 23.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

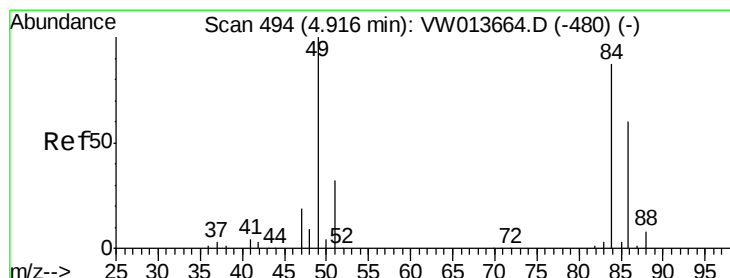
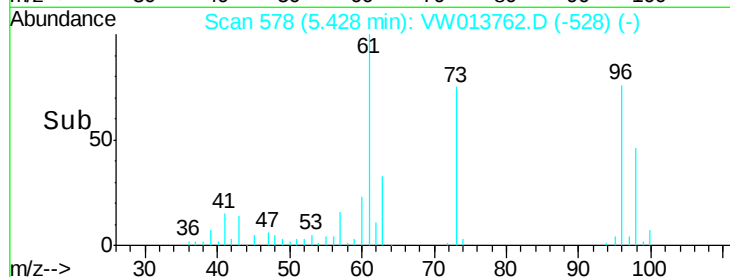
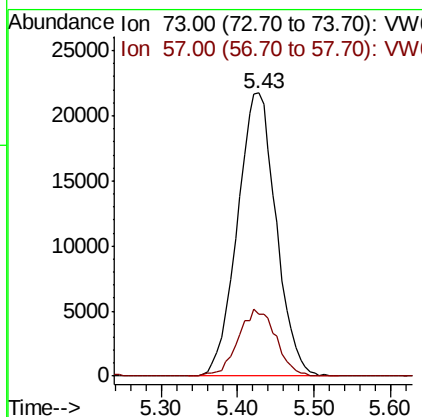
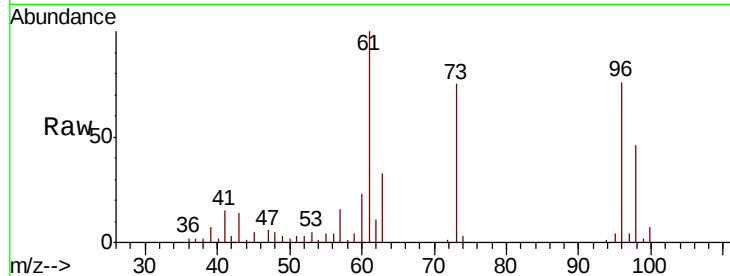




#19
Methvl tert-butvl Ether
Concen: 22.019 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

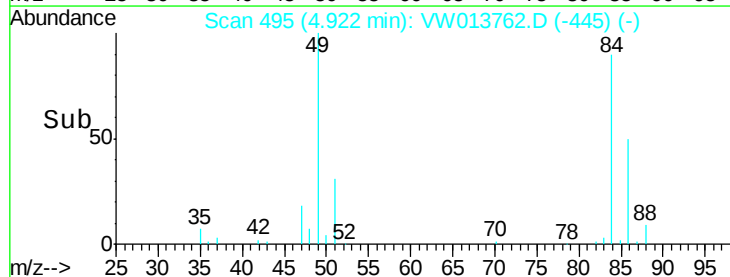
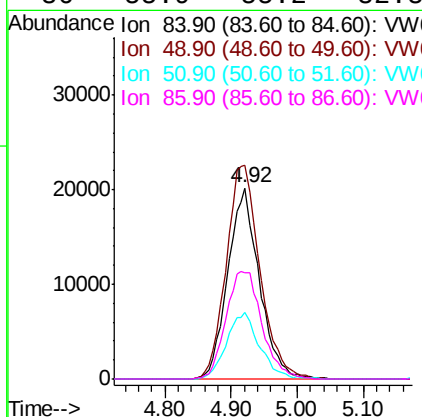
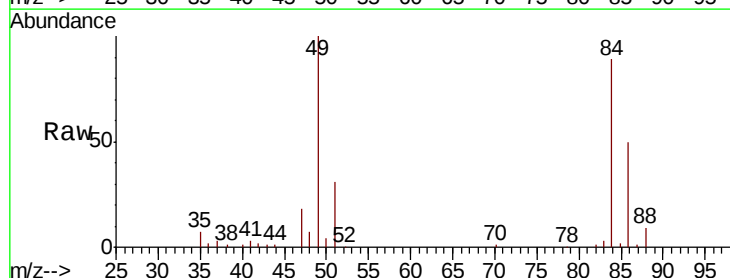
Instrument :
MSVOA_W
ClientSampleId :

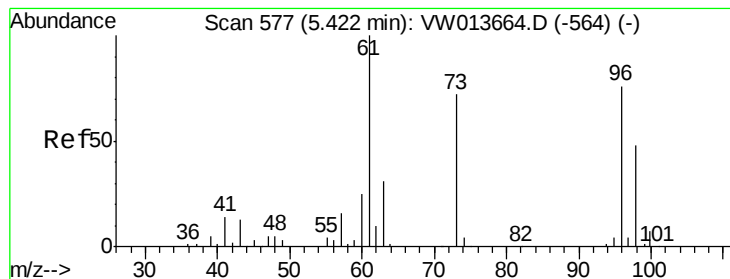
Tot Ion: 73 Resp: 76313
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#20
Methylene Chloride
Concen: 20.774 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 84 Resp: 66367
Ion Ratio Lower Upper
84 100
49 112.0 91.8 137.6
51 34.7 29.8 44.6
86 55.9 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 21.347 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

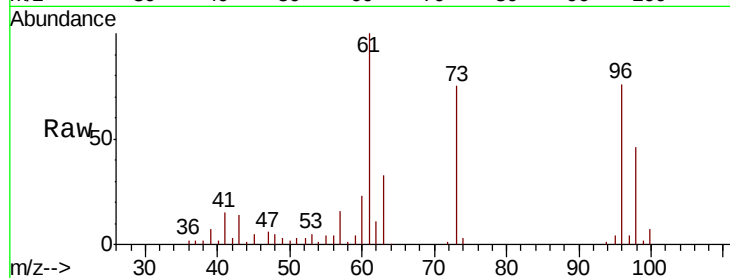
Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 66359

Ion	Ratio	Lower	Upper
96	100		
61	131.3	104.8	157.2
98	61.0	50.6	76.0

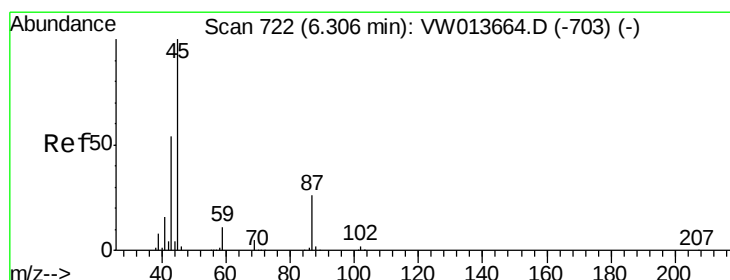
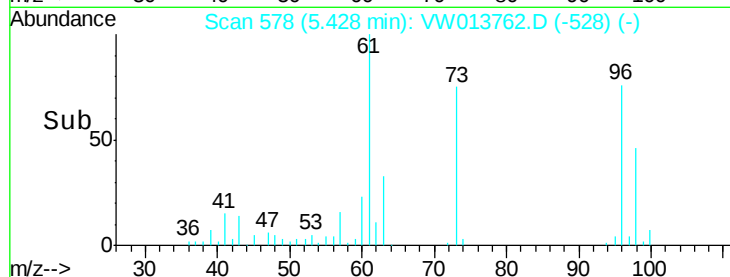
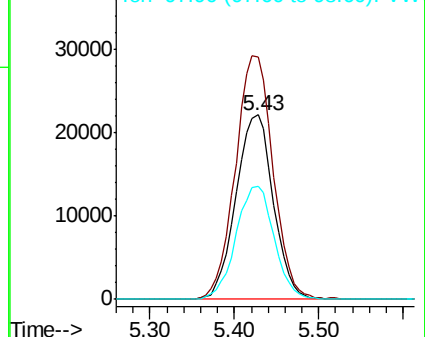


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.893 ug/l

RT: 6.31 min Scan# 723

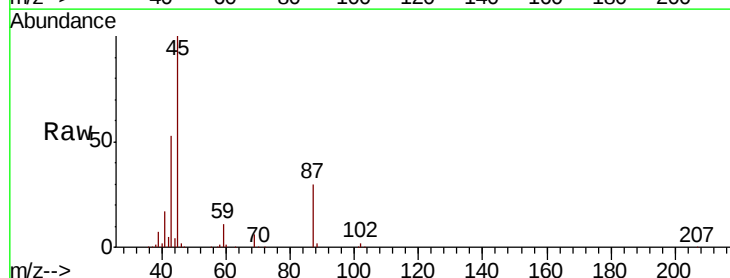
Delta R.T. 0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Tgt Ion: 45 Resp: 169253

Ion	Ratio	Lower	Upper
45	100		
43	52.3	43.4	65.2
87	29.8	21.5	32.3
59	10.8	9.2	13.8



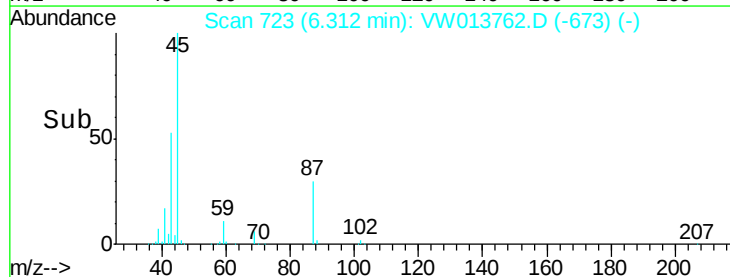
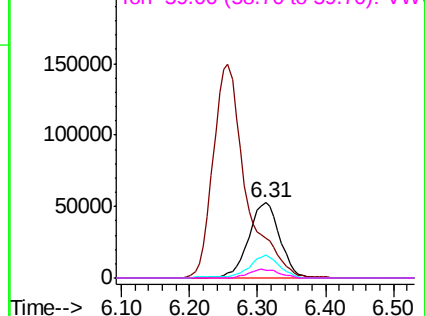
Abundance

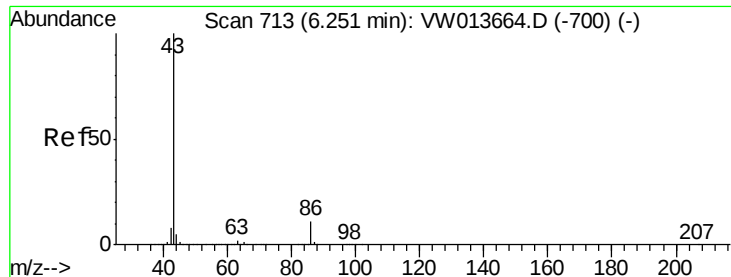
Ion 45.00 (44.70 to 45.70): VW

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: 106.260 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

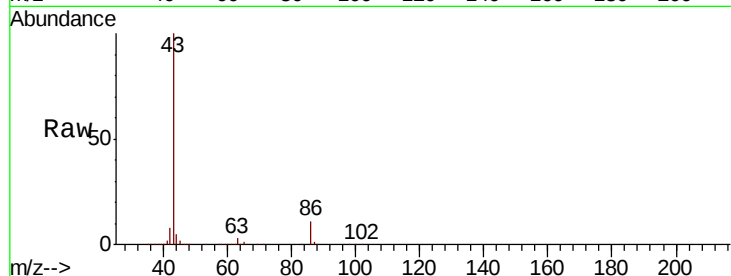
ClientSampleId :

Tot Ion: 43 Resp: 499469

Ion Ratio Lower Upper

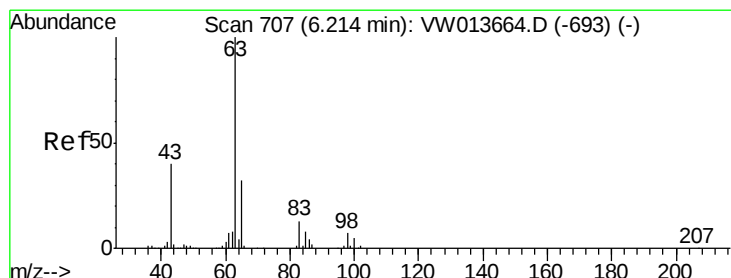
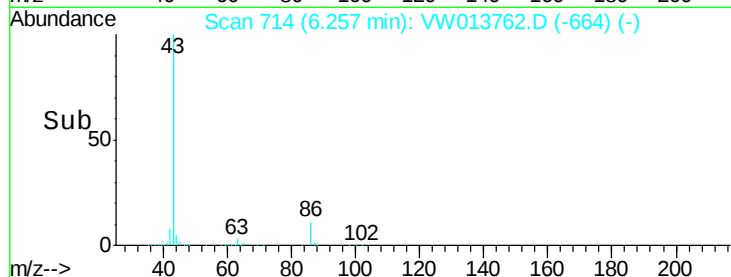
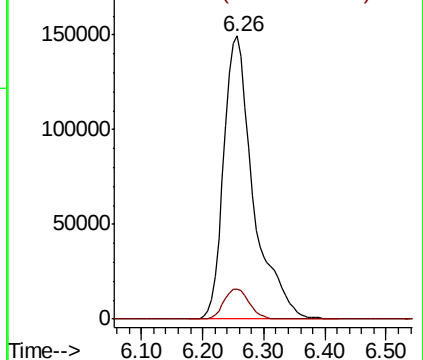
43 100

86 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.848 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

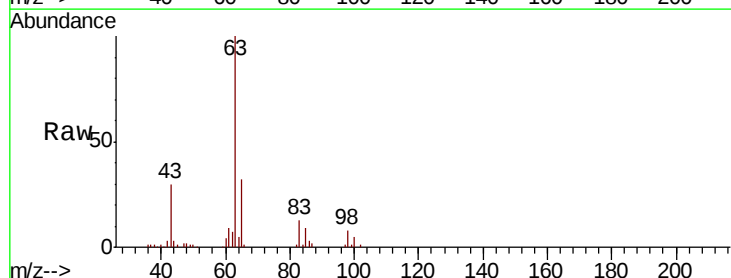
Tgt Ion: 63 Resp: 106960

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

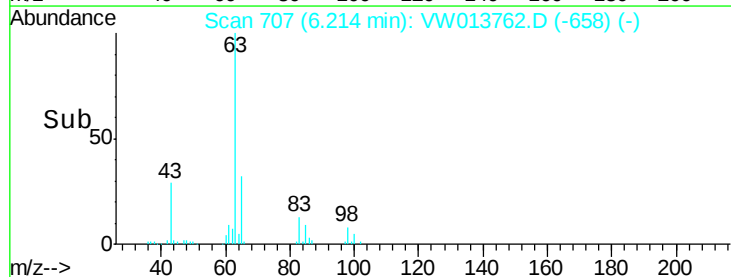
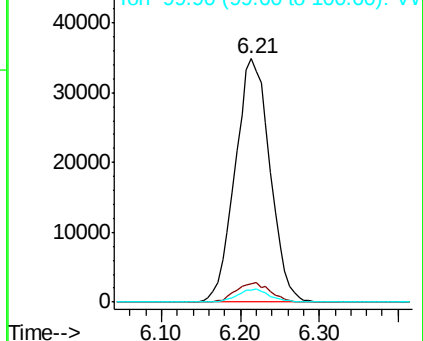
100 4.7 2.5 7.4

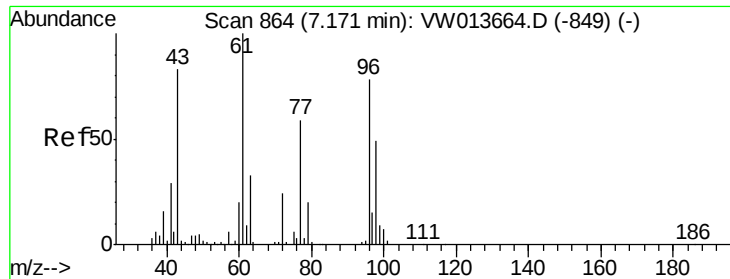


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 103.414 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

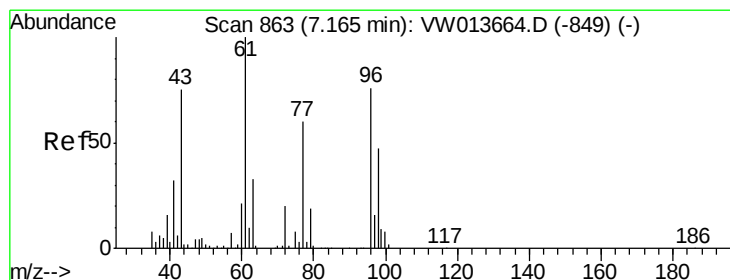
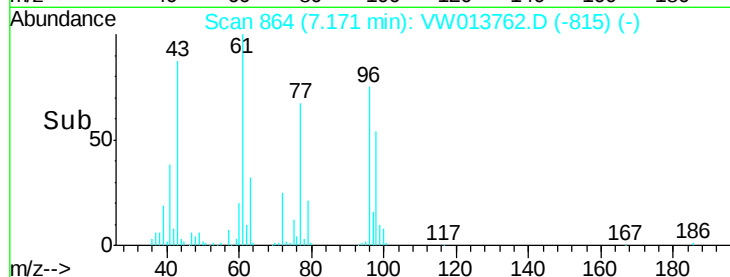
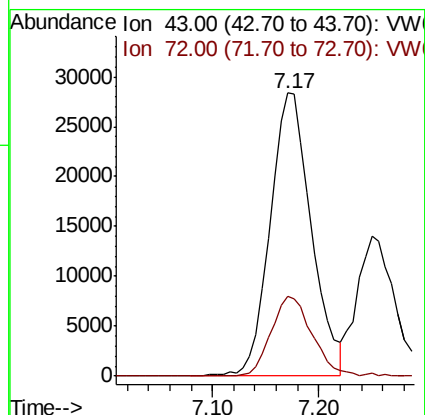
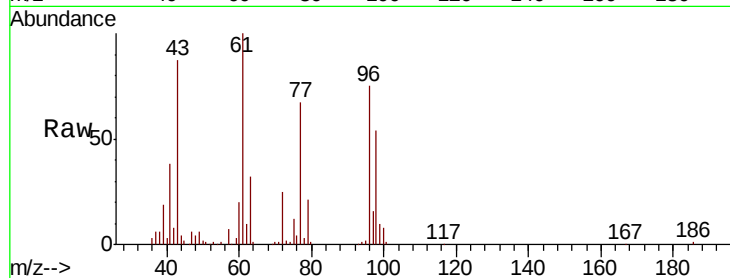
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 76156

Ion Ratio Lower Upper

43 100

72 28.0 23.6 35.4



#26

2,2-Dichloropropane

Concen: 21.912 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013762.D

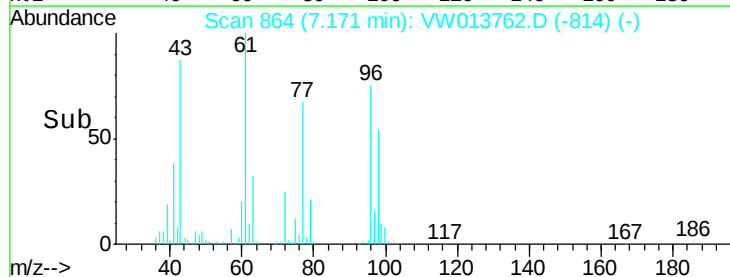
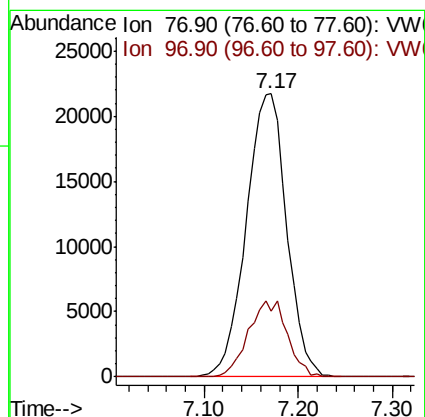
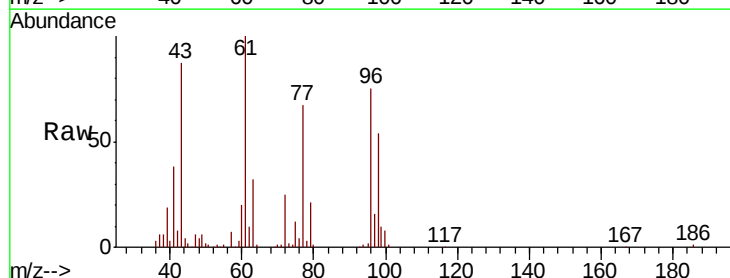
Acq: 28 Oct 2019 13:21

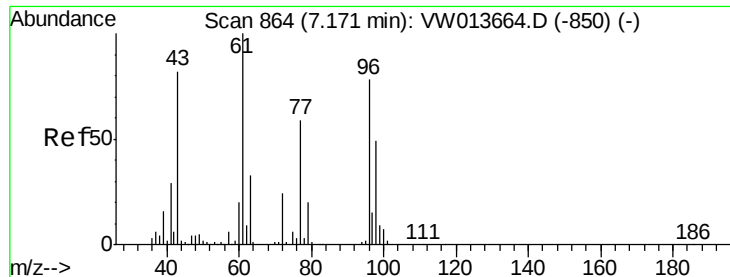
Tgt Ion: 77 Resp: 65007

Ion Ratio Lower Upper

77 100

97 25.9 12.8 38.4



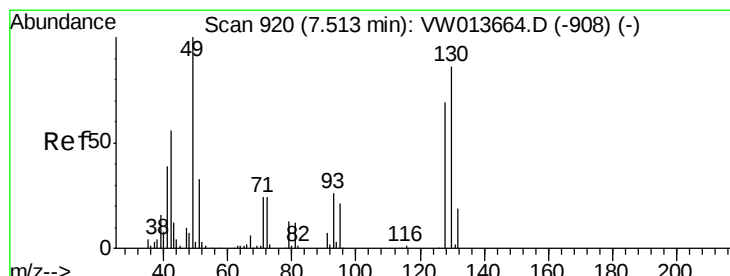
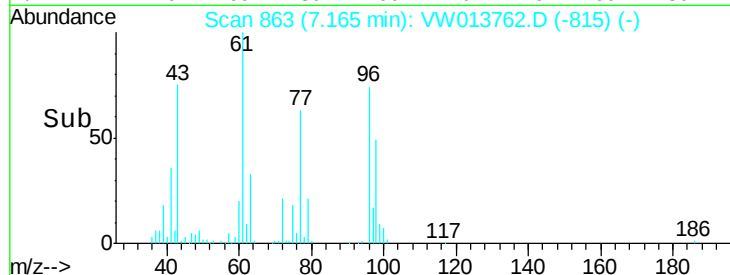
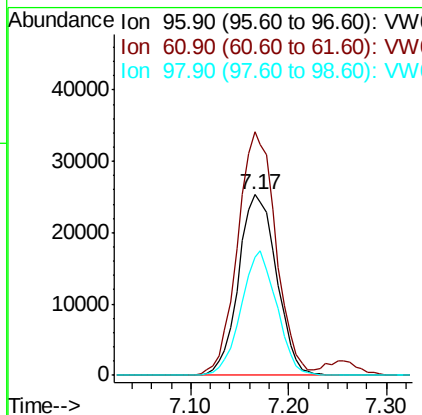
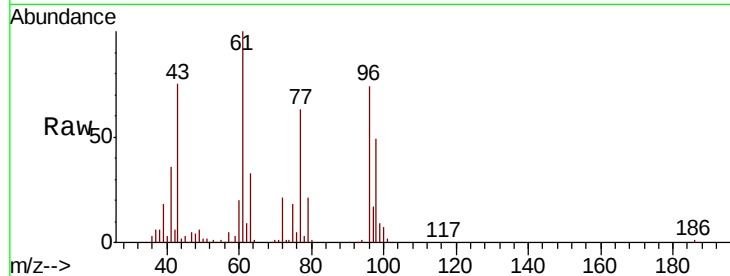


#27

cis-1,2-Dichloroethene
 Concen: 20.672 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Instrument :
 MSVOA_W
 ClientSampleId :

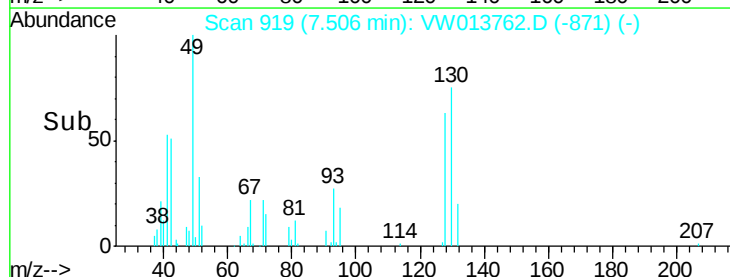
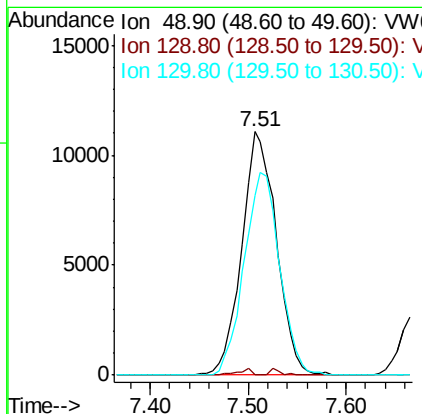
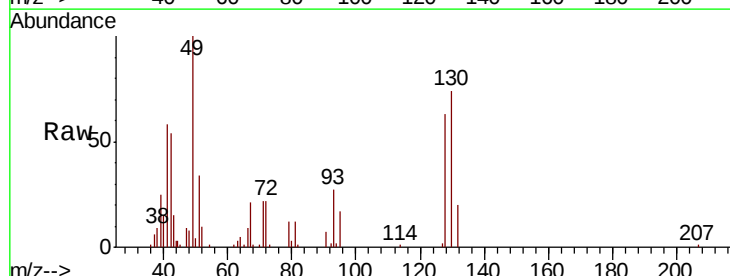
Tot Ion	96	Resp	68254
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	266.0
98	64.7	0.0	126.8

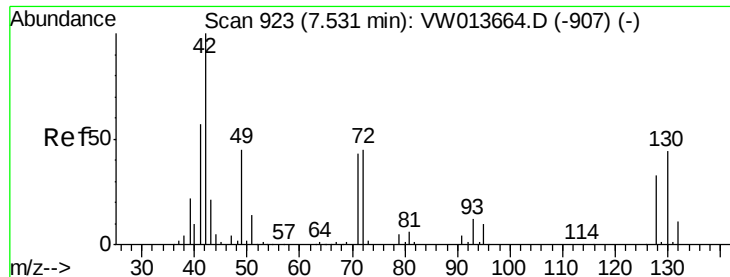


#28

Bromochloromethane
 Concen: 15.814 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion	49	Resp	27185
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	0.6#
130	85.3	67.5	101.3

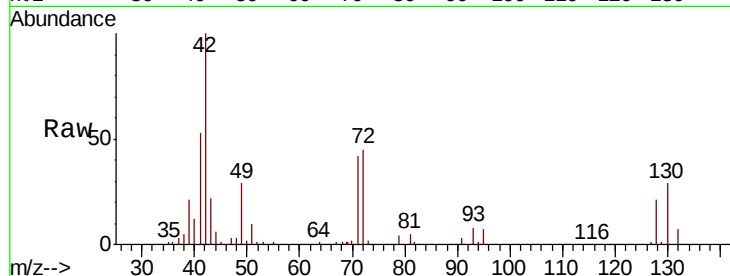




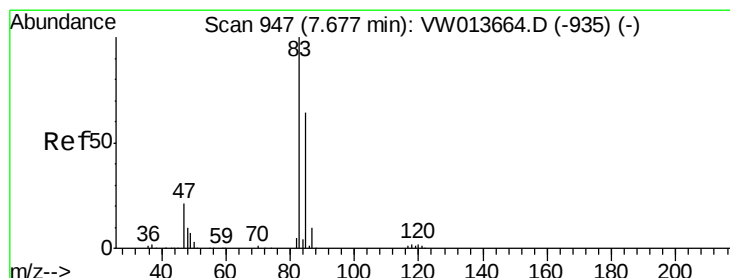
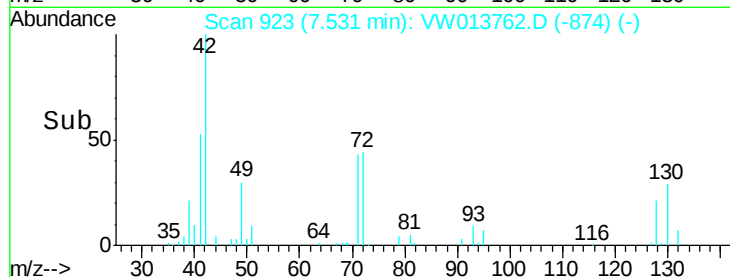
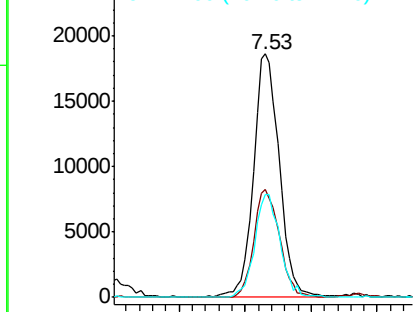
#29
Tetrahydrofuran
Concen: 111.329 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.3	52.9
71	41.7	33.3	49.9

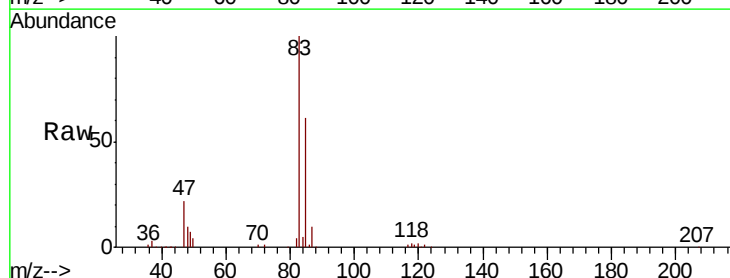


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

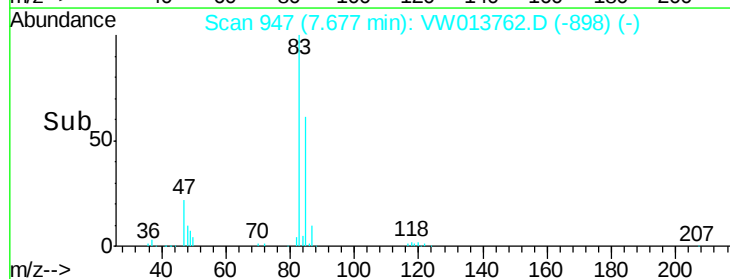
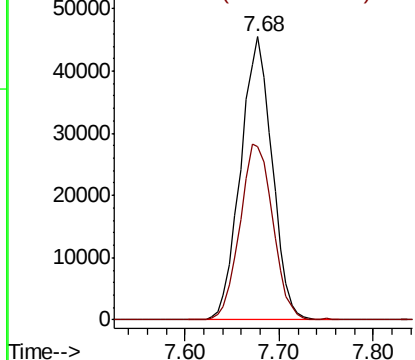


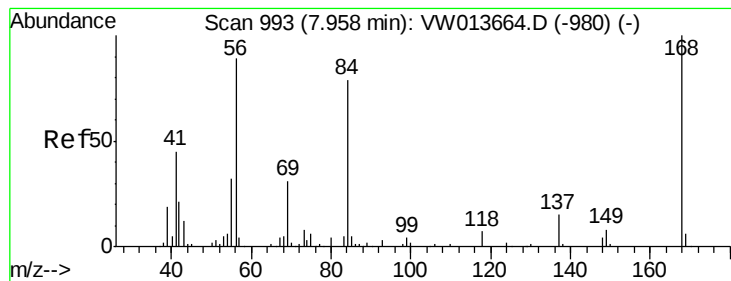
#30
Chloroform
Concen: 20.876 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.4	77.2



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





#31

Cyclohexane

Concen: 20.697 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

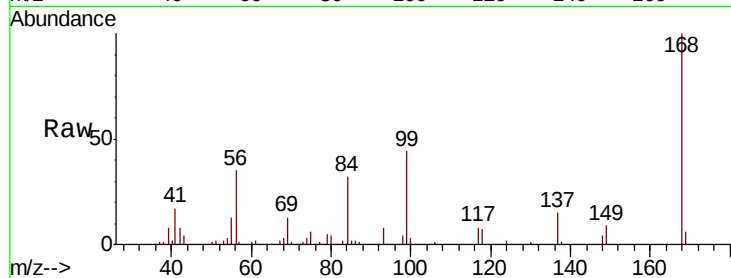
Tot Ion: 56 Resp: 111126

Ion Ratio Lower Upper

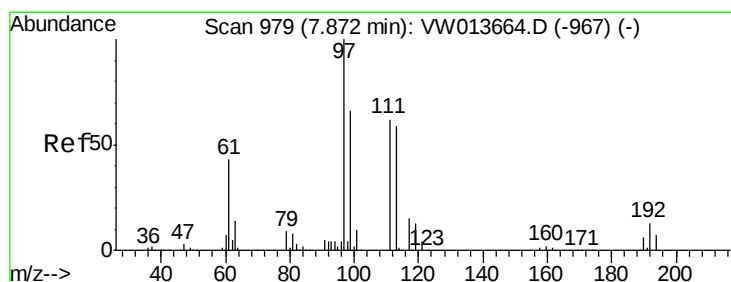
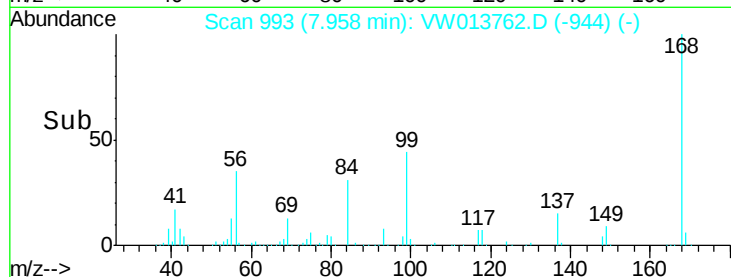
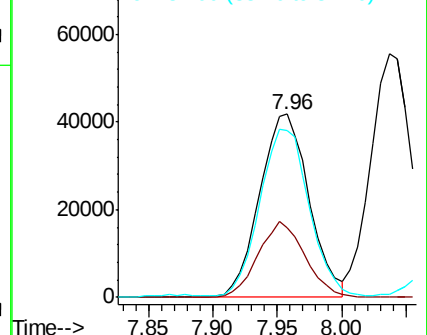
56 100

69 38.1 27.5 41.3

84 90.4 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 21.709 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

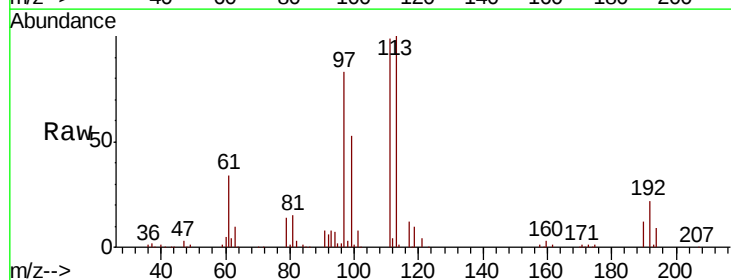
Tgt Ion: 97 Resp: 86402

Ion Ratio Lower Upper

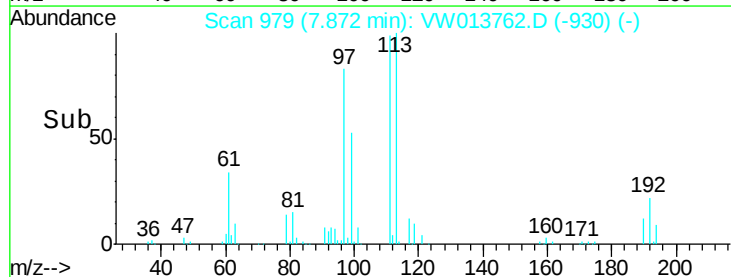
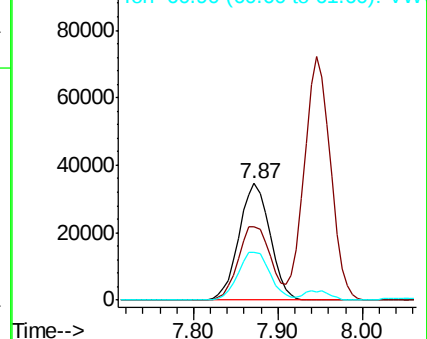
97 100

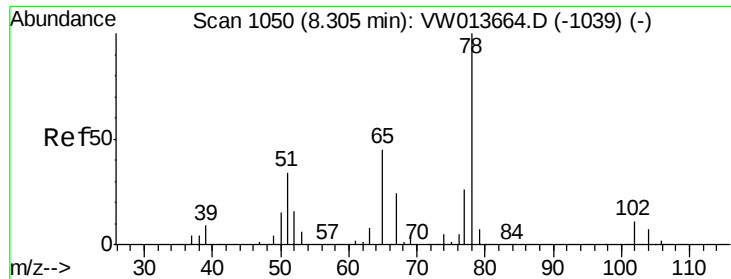
99 66.5 52.0 78.0

61 42.3 33.8 50.6



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

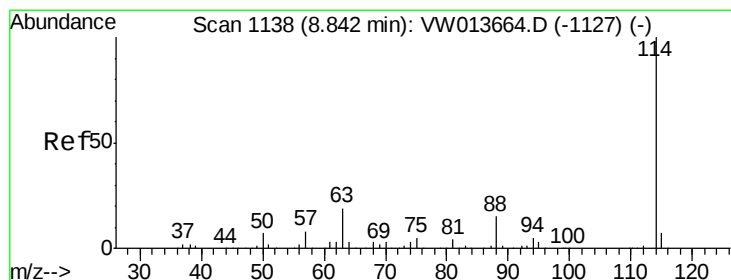
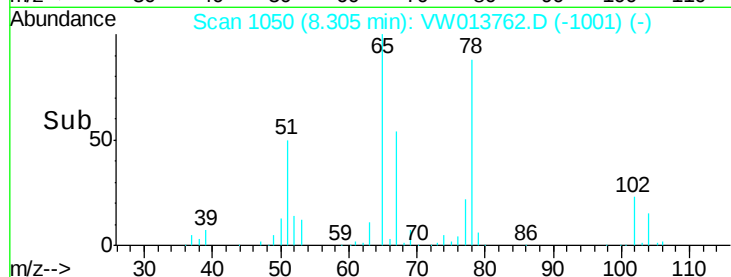
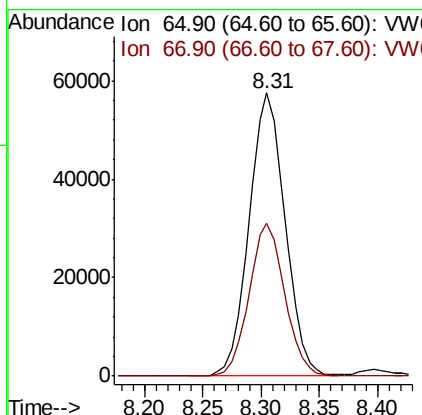
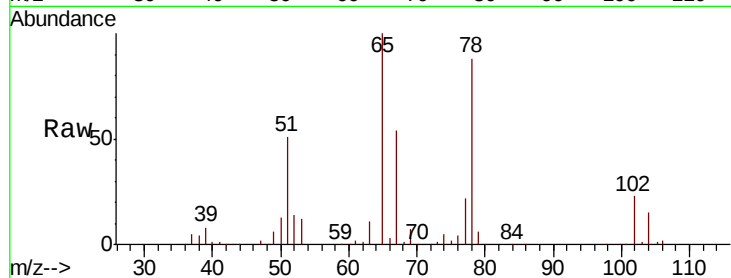




#33
 1,2-Dichloroethane-d4
 Concen: 51.101 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

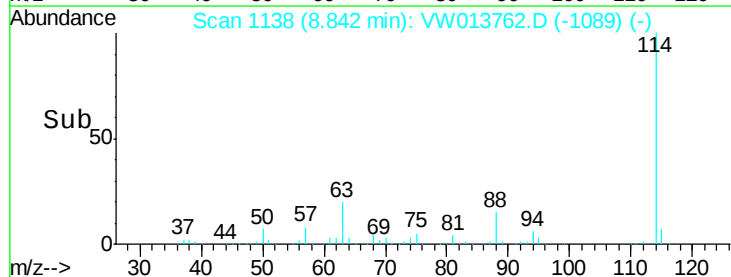
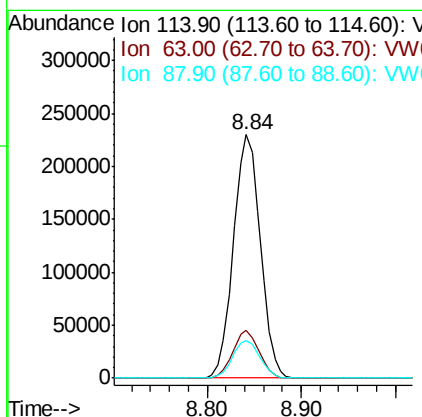
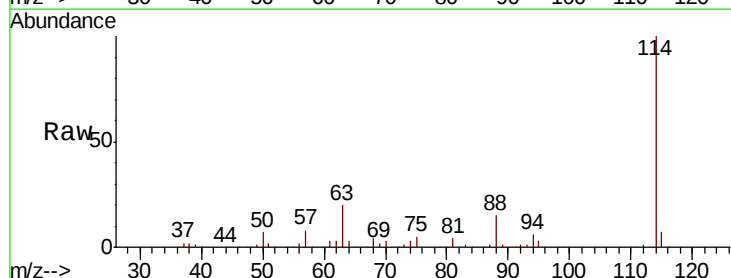
Instrument :
 MSVOA_W
 ClientSampleId :

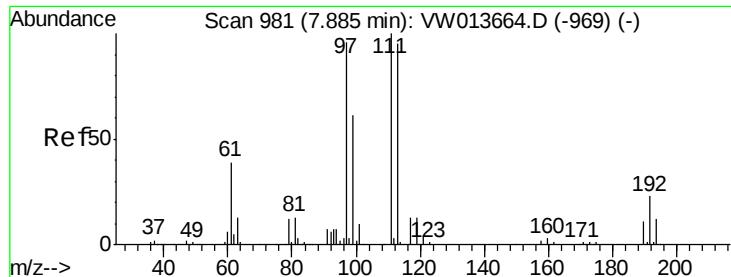
Tot Ion: 65 Resp: 123448
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion: 114 Resp: 454823
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.6
 88 15.2 0.0 30.2

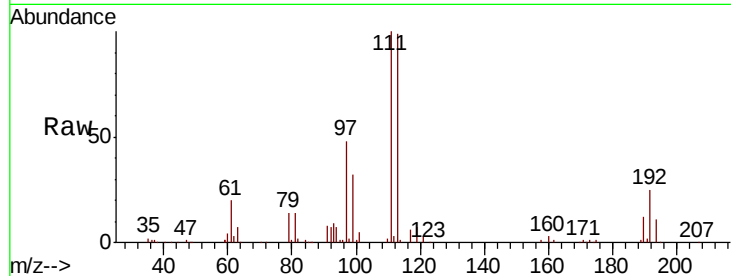




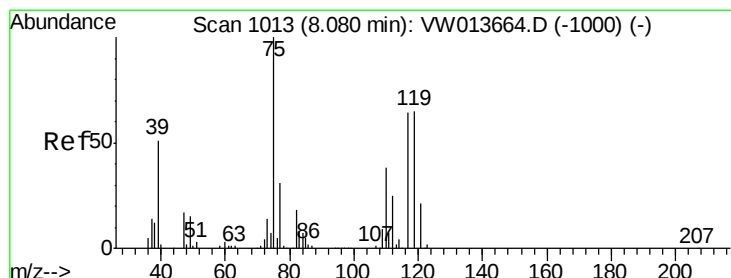
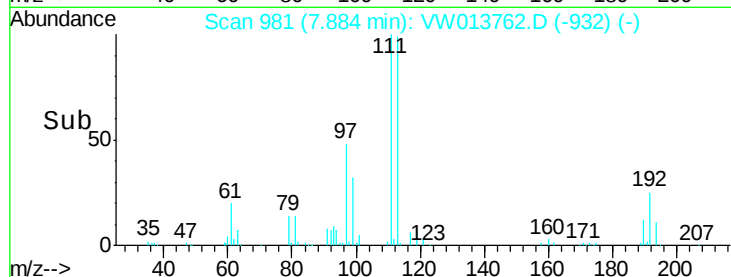
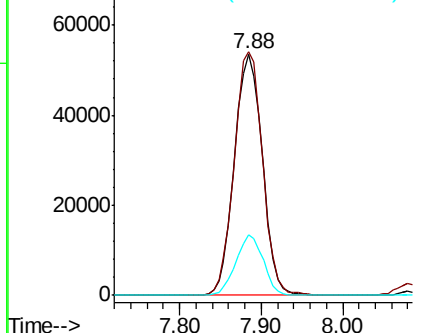
#35
 Dibromofluoromethane
 Concen: 50.218 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.6
192	24.4	19.4	29.2

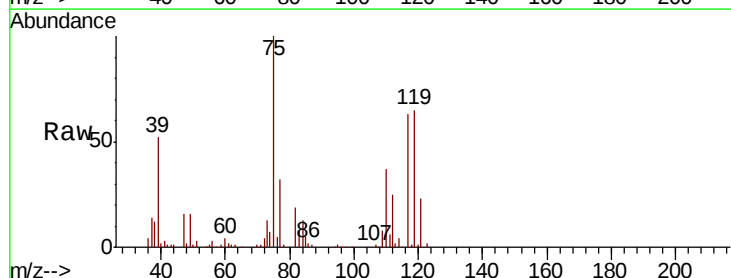


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

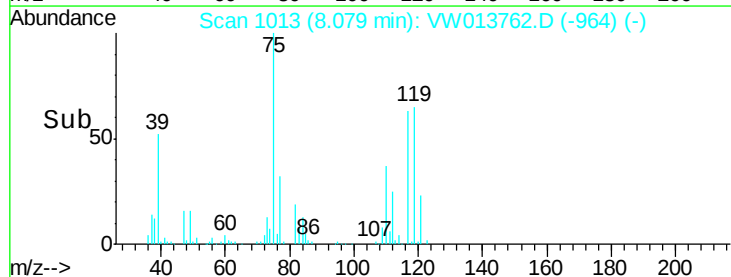
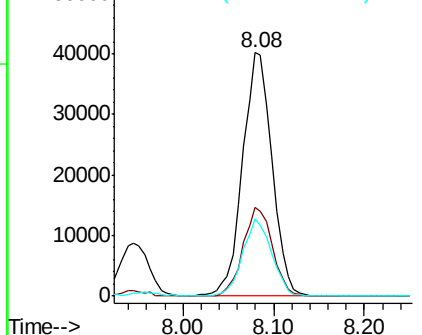


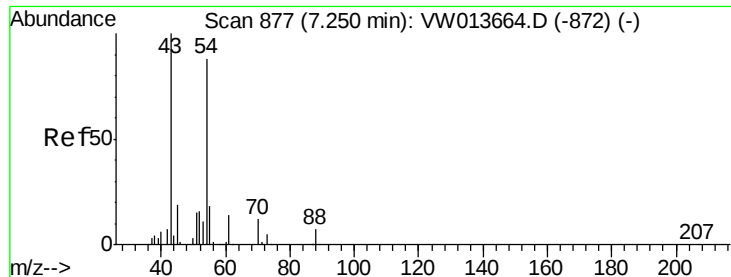
#36
 1,1-Dichloropropene
 Concen: 21.392 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.7	56.1
77	31.3	25.4	38.0



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

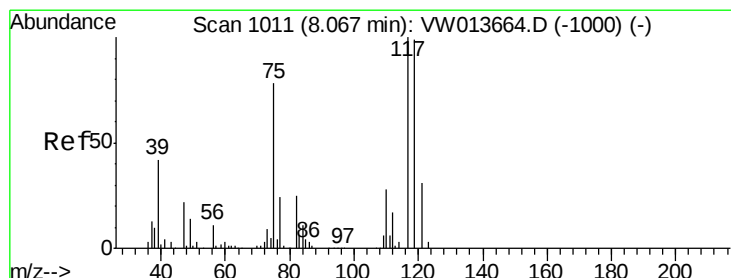
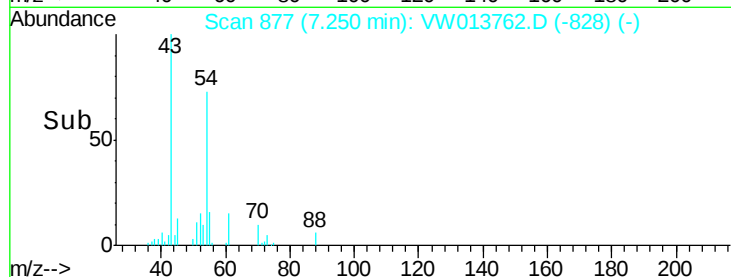
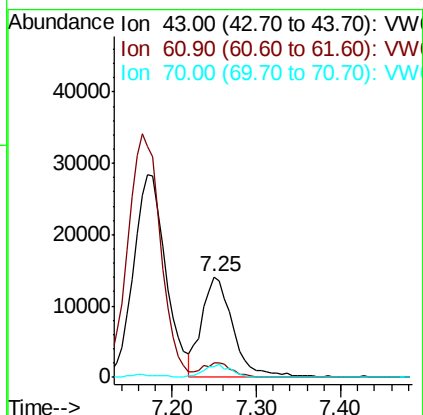
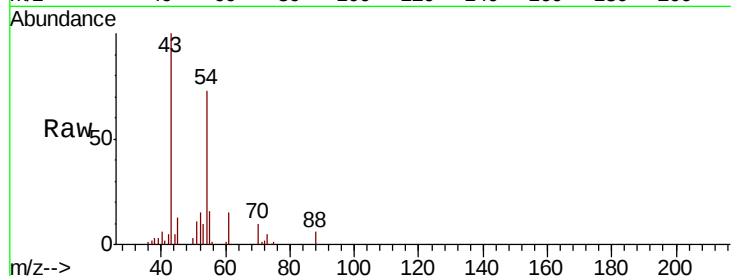




#37
Ethyl Acetate
Concen: 22.564 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

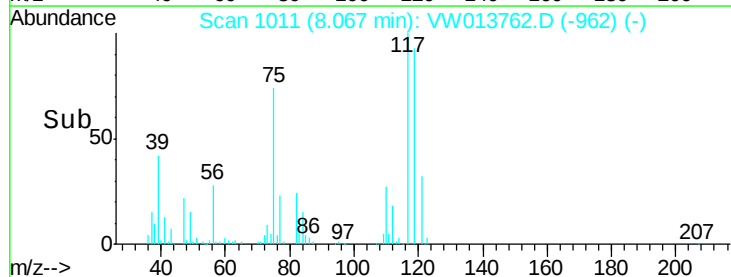
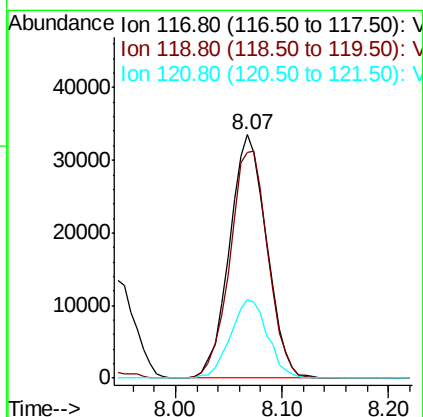
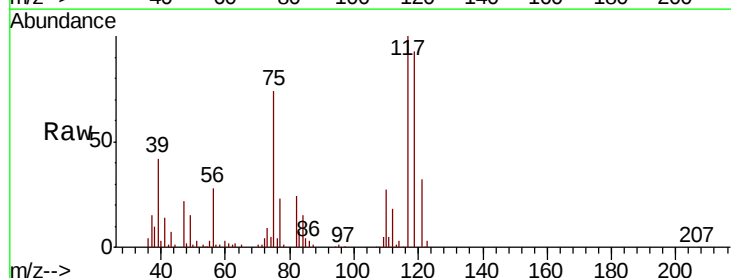
Instrument :
MSVOA_W
ClientSampleId :

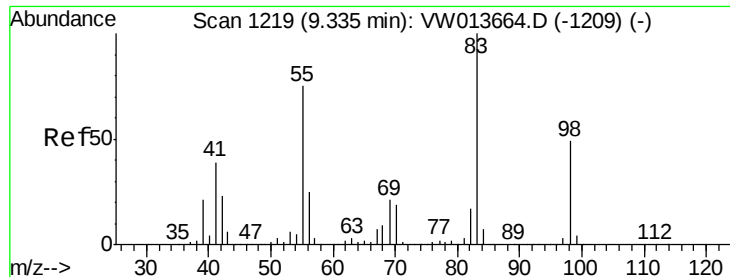
Tot Ion: 43 Resp: 36586
Ion Ratio Lower Upper
43 100
61 13.6 11.7 17.5
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.575 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 117 Resp: 82296
Ion Ratio Lower Upper
117 100
119 92.9 79.0 118.4
121 32.3 24.5 36.7

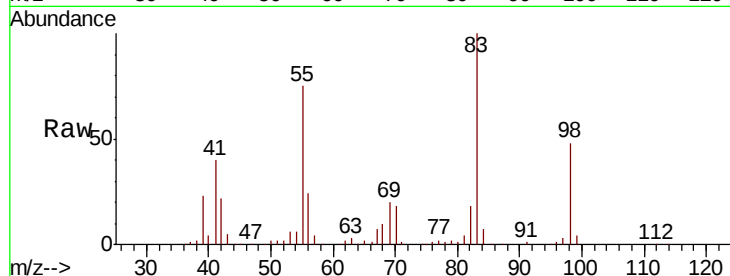




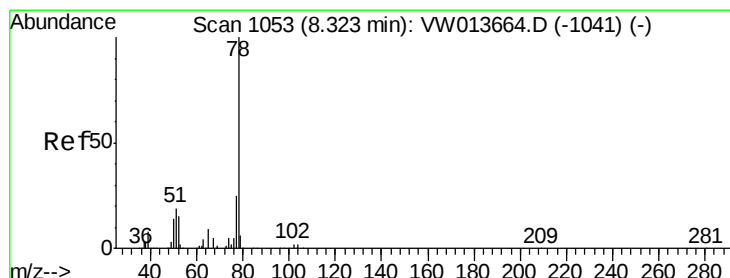
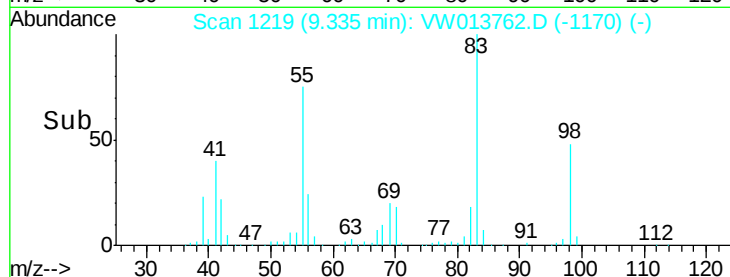
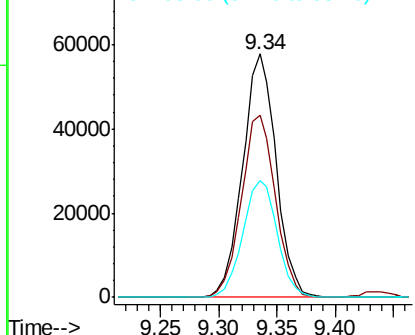
#39
Methvlcvclohexane
Concen: 21.110 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 115477
Ion Ratio Lower Upper
83 100
55 74.6 59.9 89.9
98 48.0 39.4 59.2

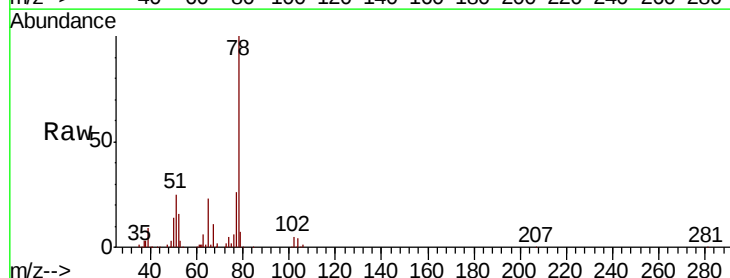


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

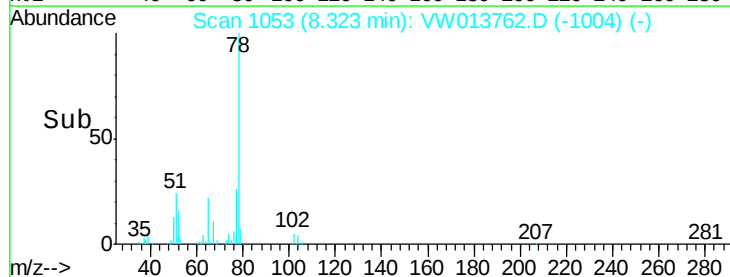
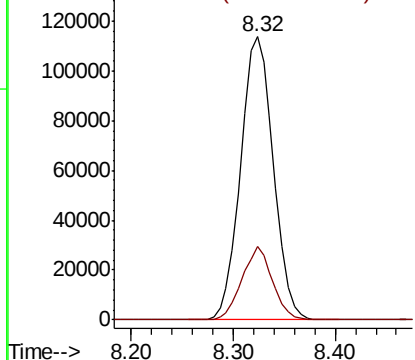


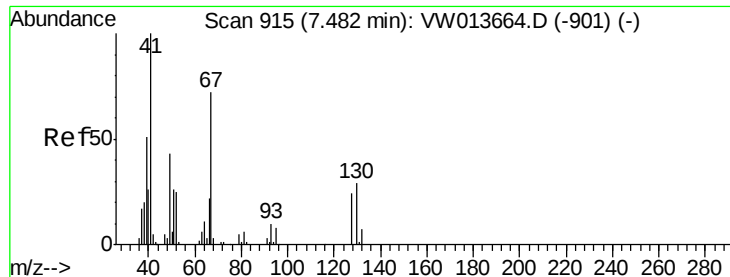
#40
Benzene
Concen: 21.135 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 78 Resp: 253353
Ion Ratio Lower Upper
78 100
77 25.8 19.6 29.4



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





#41

Methacrylonitrile

Concen: 22.033 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 22278

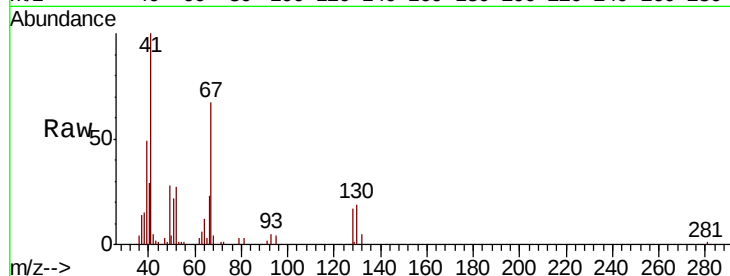
Ion Ratio Lower Upper

41 100

39 50.9 44.8 67.2

67 66.3 59.3 88.9

52 27.6 23.4 35.0

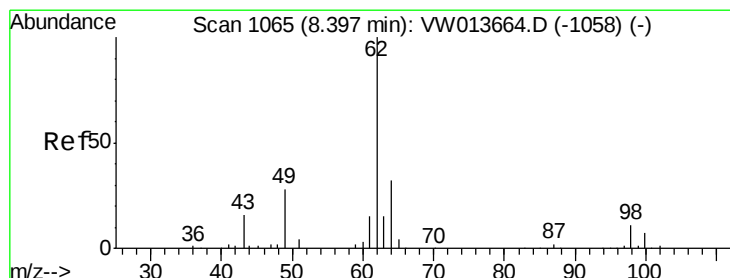
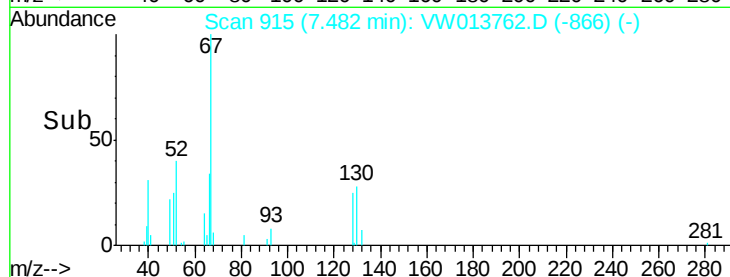
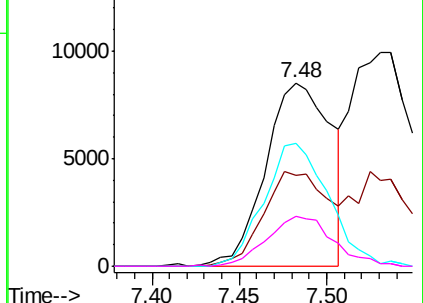


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.565 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013762.D

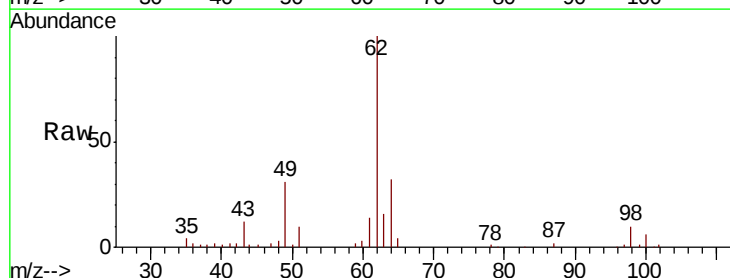
Acq: 28 Oct 2019 13:21

Tgt Ion: 62 Resp: 65141

Ion Ratio Lower Upper

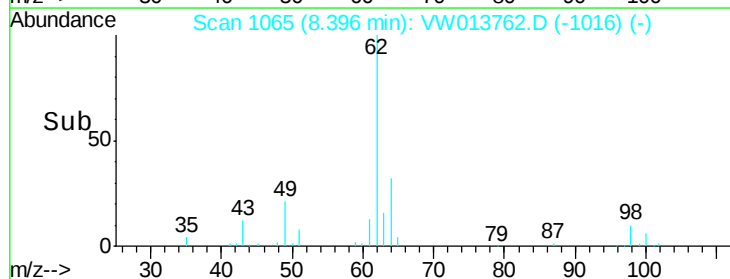
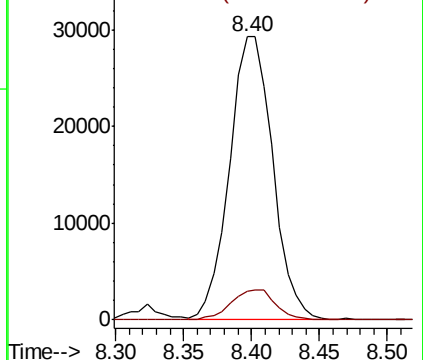
62 100

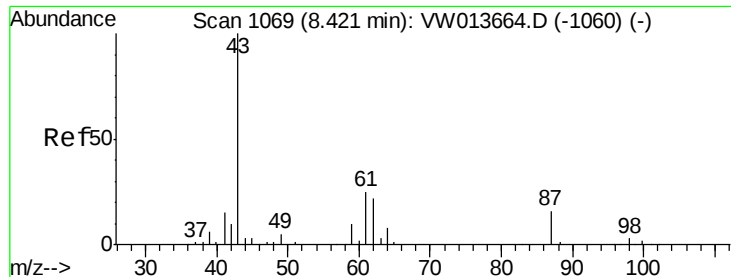
98 10.8 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.292 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

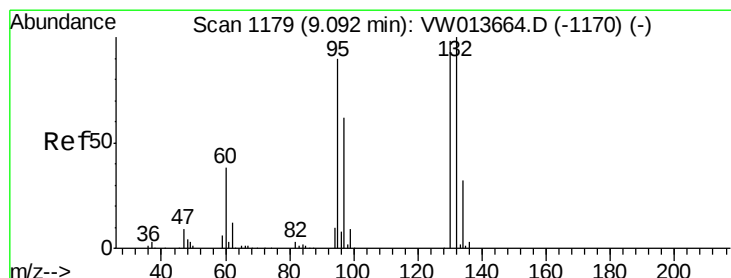
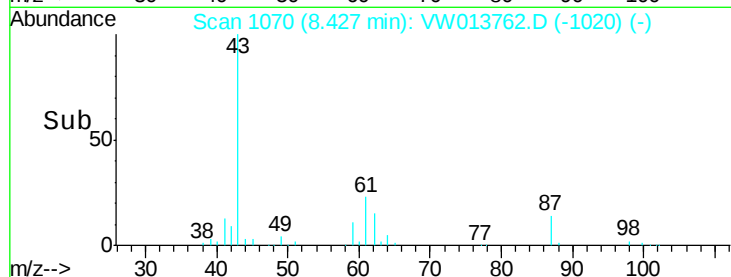
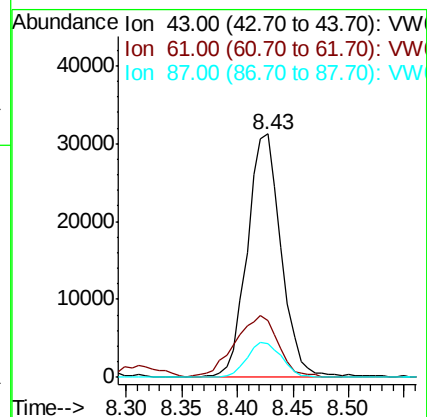
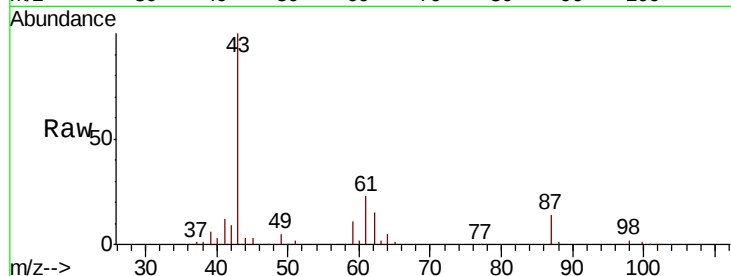
Tot Ion: 43 Resp: 66085

Ion Ratio Lower Upper

43 100

61 32.7 26.1 39.1

87 14.9 11.4 17.0



#44

Trichloroethene

Concen: 20.650 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013762.D

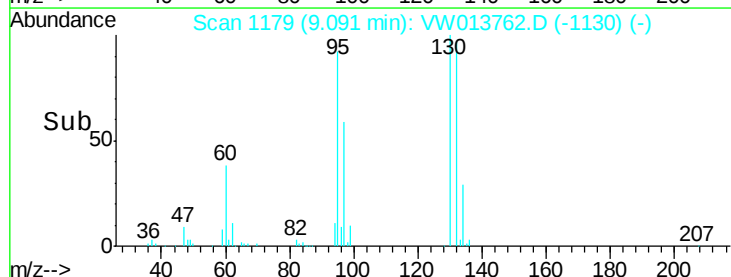
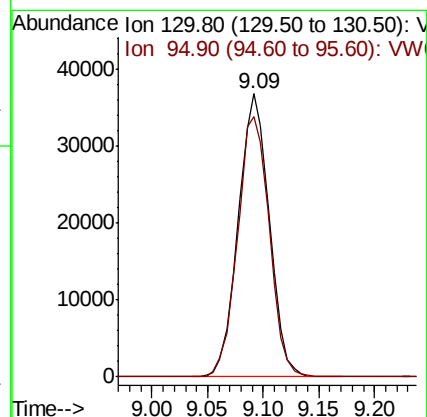
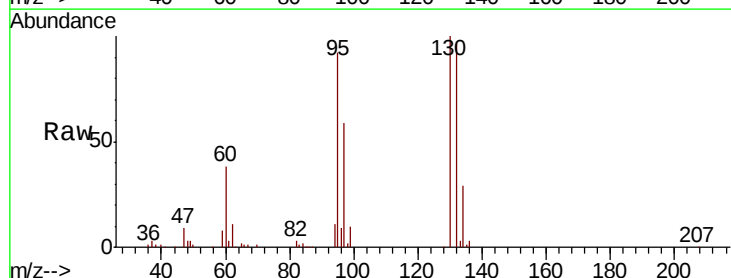
Acq: 28 Oct 2019 13:21

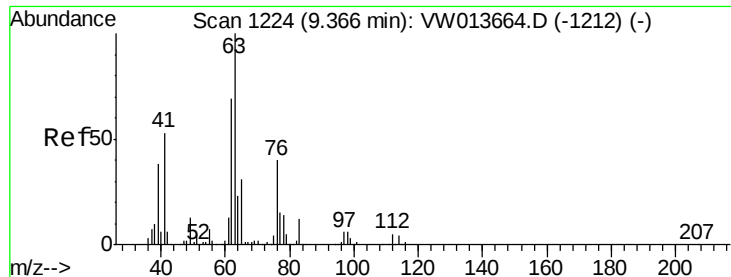
Tgt Ion: 130 Resp: 70908

Ion Ratio Lower Upper

130 100

95 92.2 0.0 184.6





#45

1,2-Dichloropropane

Concen: 20.984 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

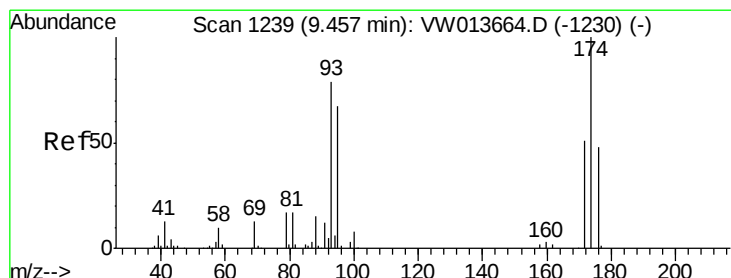
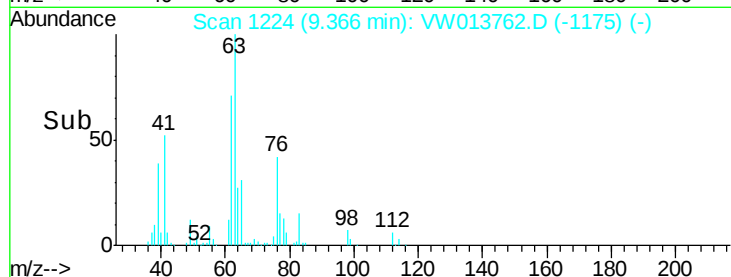
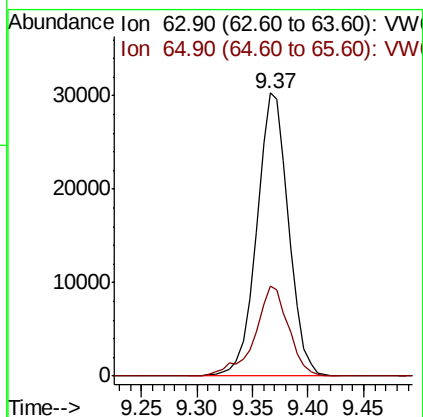
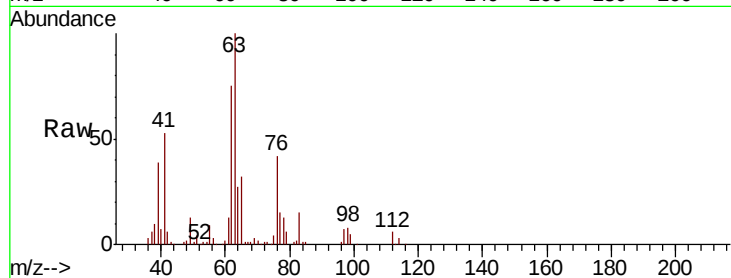
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 60083

Ion Ratio Lower Upper

63 100

65 31.8 25.2 37.8



#46

Dibromomethane

Concen: 21.171 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

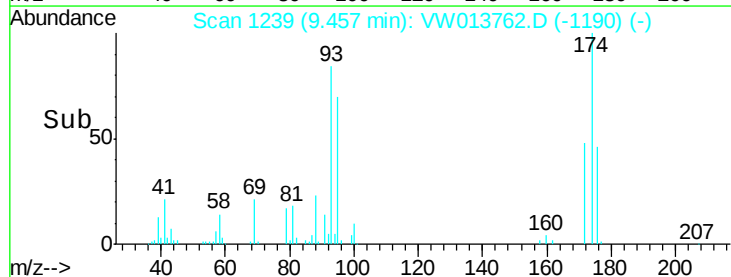
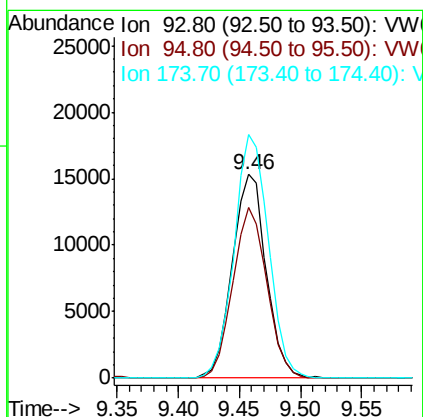
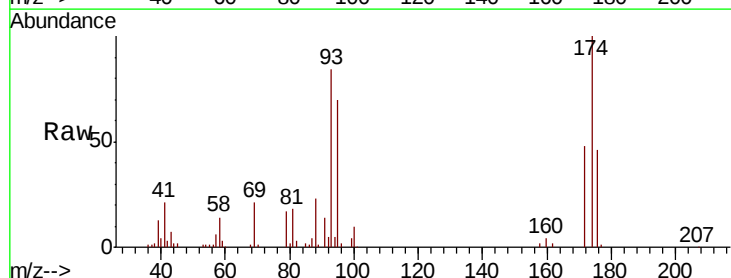
Tgt Ion: 93 Resp: 29421

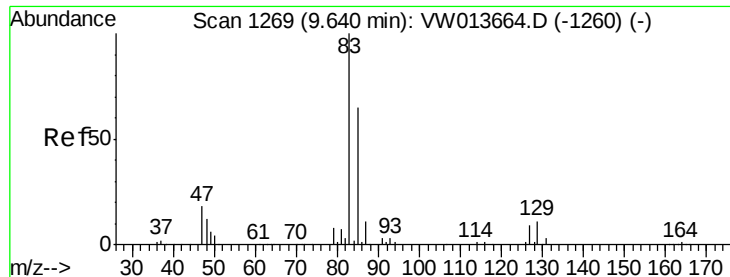
Ion Ratio Lower Upper

93 100

95 83.9 66.5 99.7

174 121.3 99.6 149.4

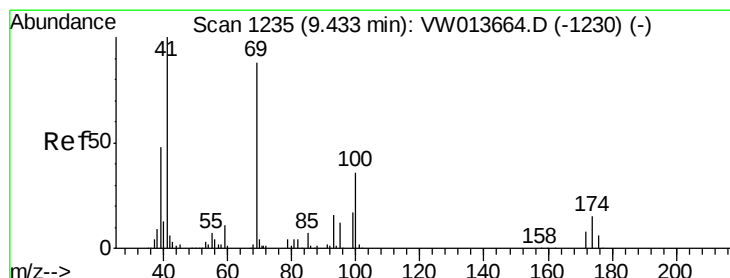
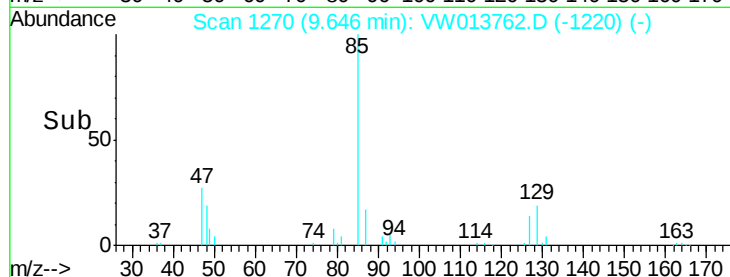
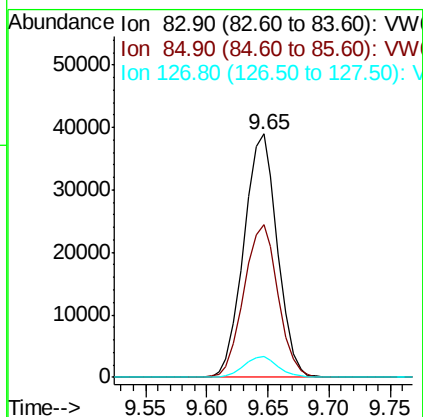
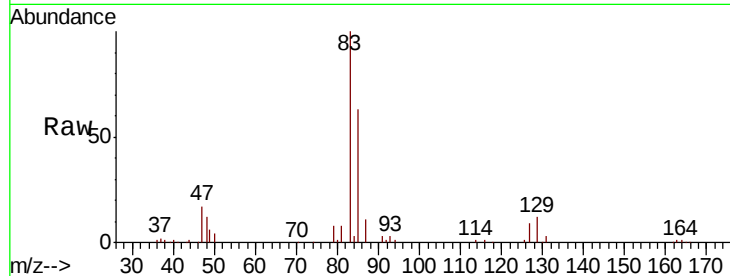




#47
Bromodichloromethane
Concen: 20.608 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

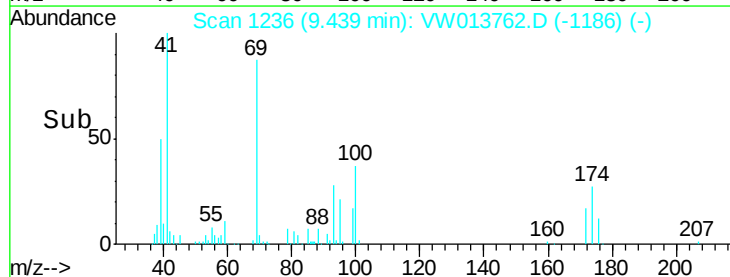
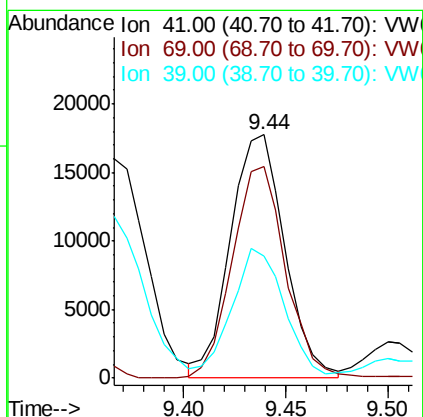
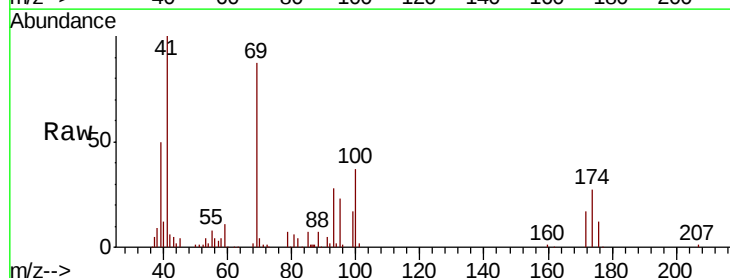
Instrument :
MSVOA_W
ClientSampled :

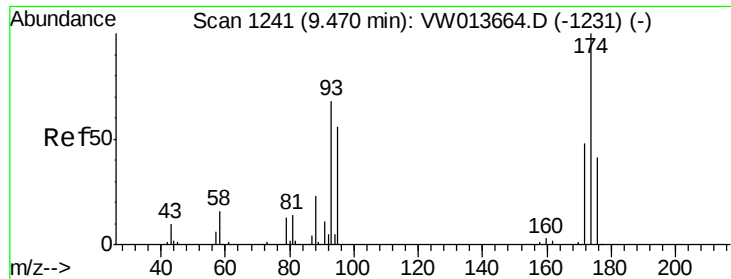
Tot Ion: 83 Resp: 74101
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6
127 8.8 7.3 10.9



#48
Methyl methacrylate
Concen: 21.383 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 41 Resp: 32911
Ion Ratio Lower Upper
41 100
69 85.2 67.6 101.4
39 47.4 38.6 58.0

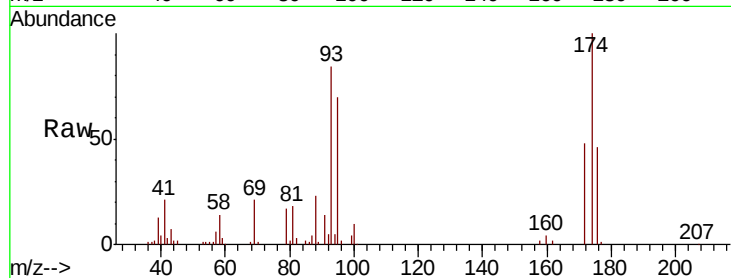




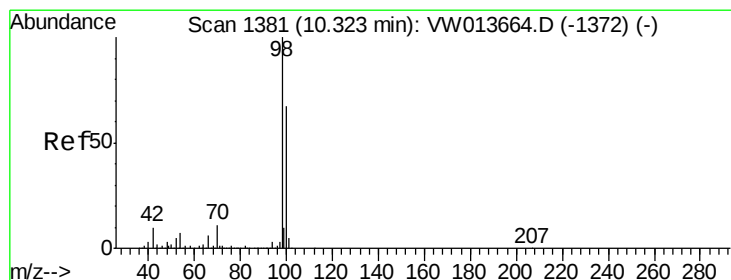
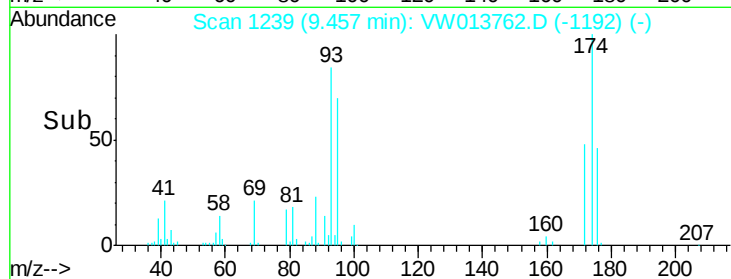
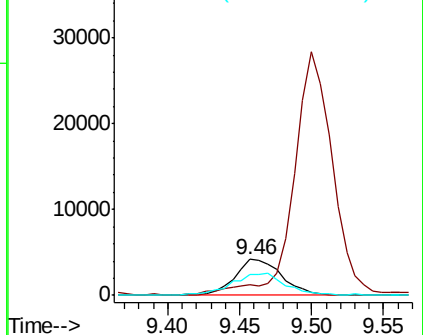
#49
1,4-Dioxane
Concen: 459.493 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9436
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.9 58.9 88.3

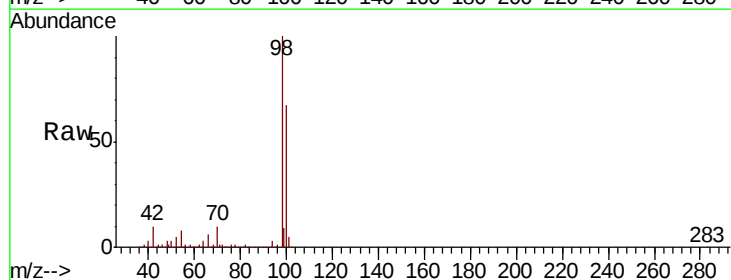


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

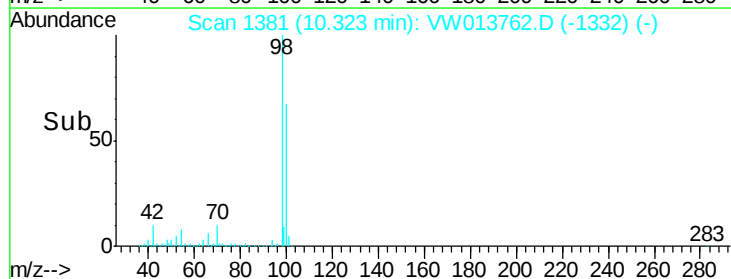
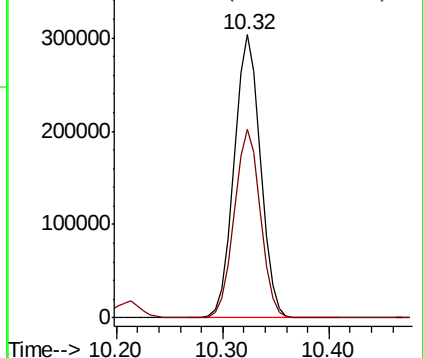


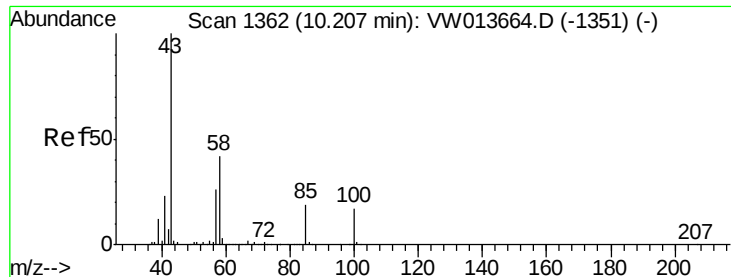
#50
Toluene-d8
Concen: 51.276 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 98 Resp: 528037
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



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: 107.907 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

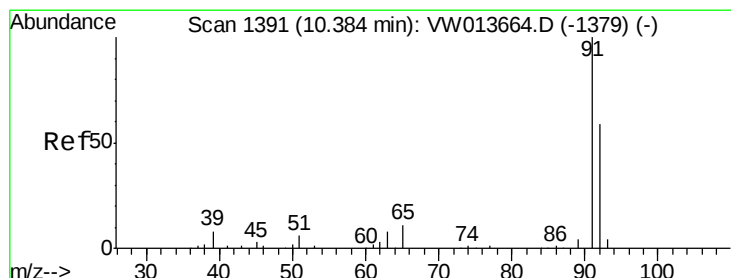
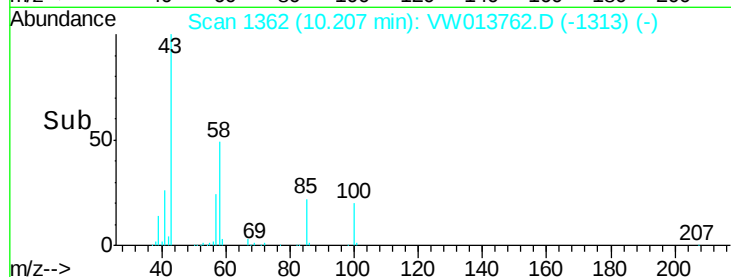
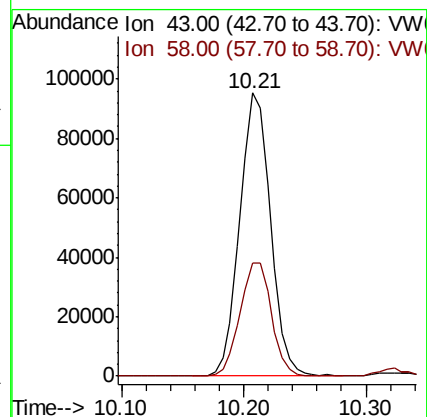
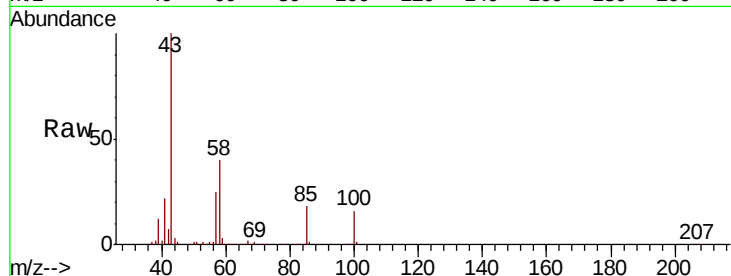
ClientSampleId :

Tot Ion: 43 Resp: 166424

Ion Ratio Lower Upper

43 100

58 41.0 32.6 49.0



#52

Toluene

Concen: 20.900 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013762.D

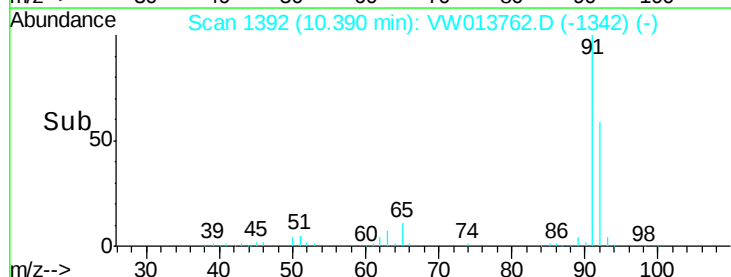
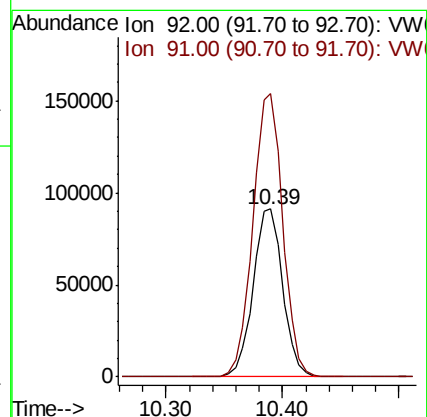
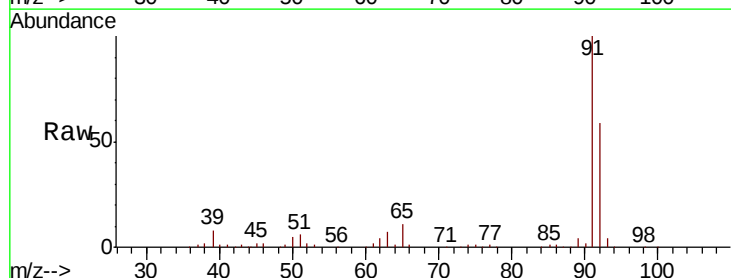
Acq: 28 Oct 2019 13:21

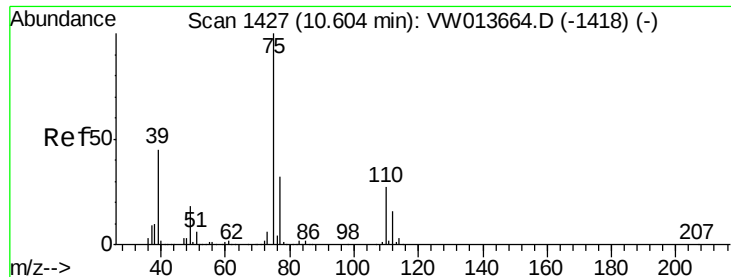
Tgt Ion: 92 Resp: 161607

Ion Ratio Lower Upper

92 100

91 170.7 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 20.852 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

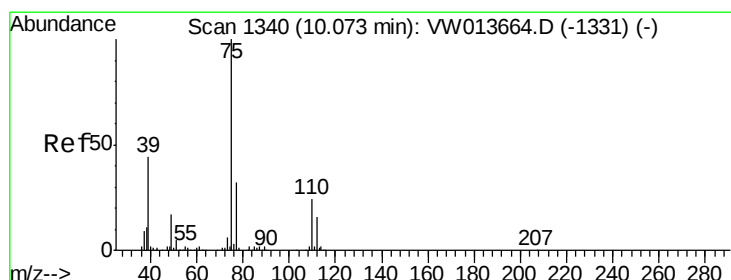
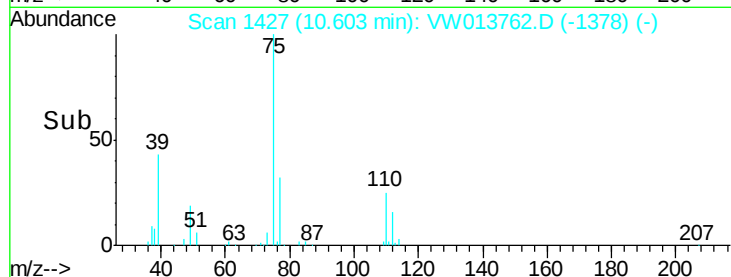
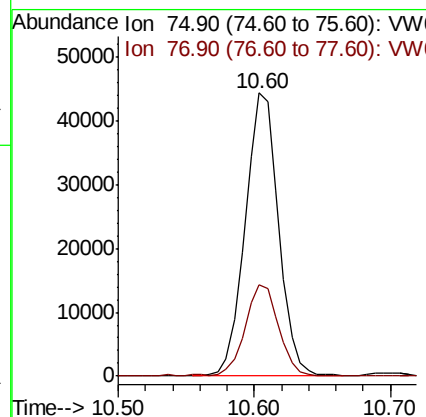
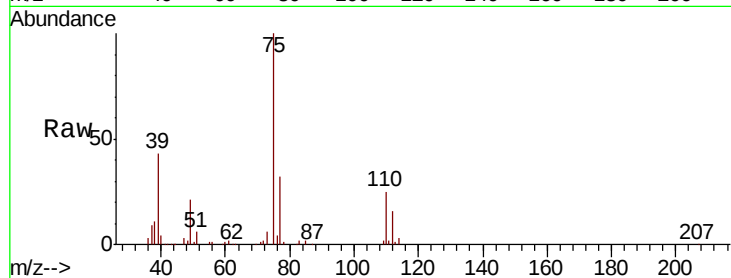
ClientSampleId :

Tot Ion: 75 Resp: 75903

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.706 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

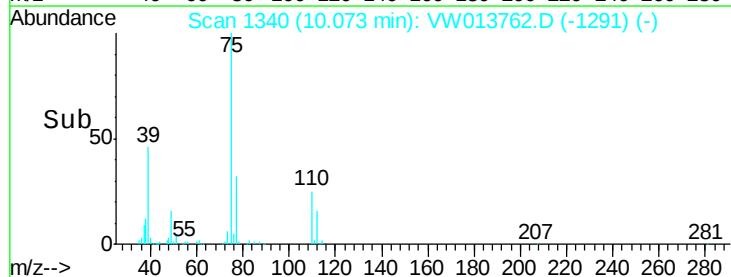
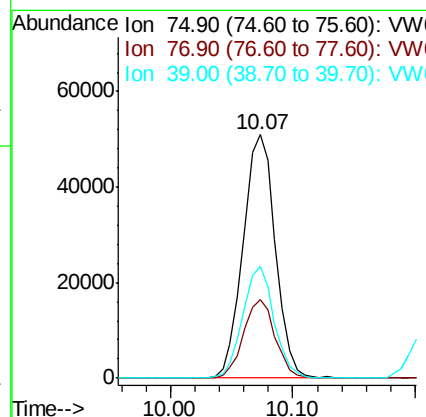
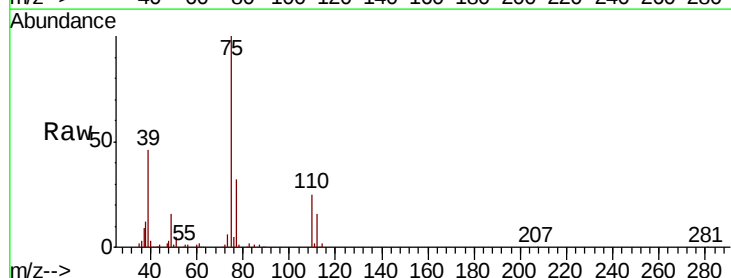
Tgt Ion: 75 Resp: 92990

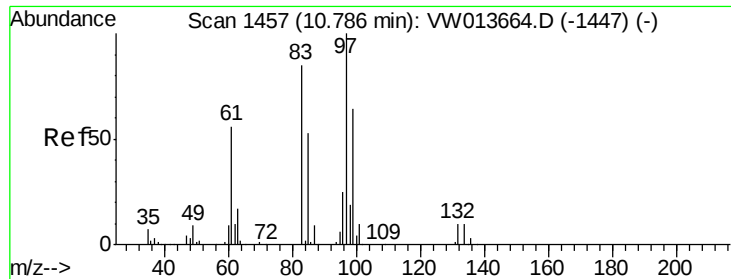
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 45.9 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 21.238 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

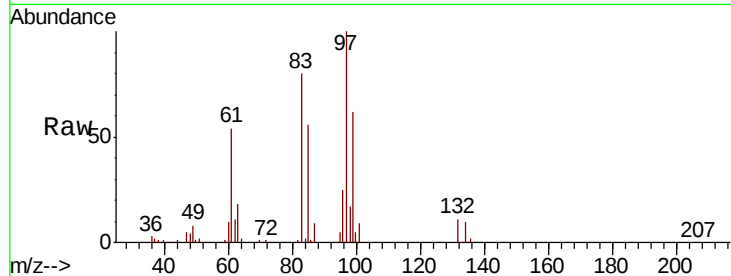
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 43987

Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.8	101.8
85	56.0	42.1	63.1
99	62.0	51.4	77.0



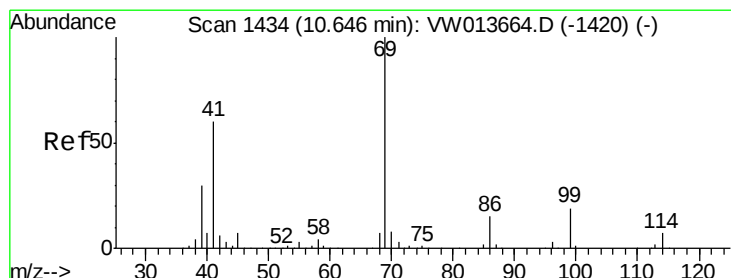
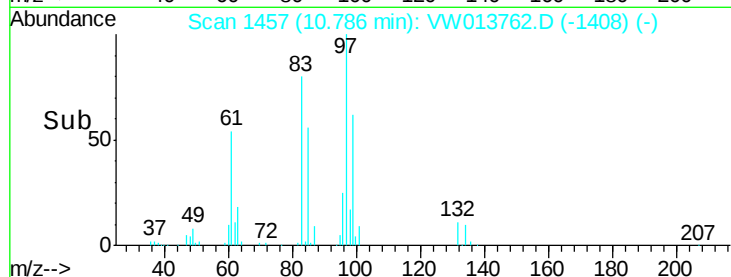
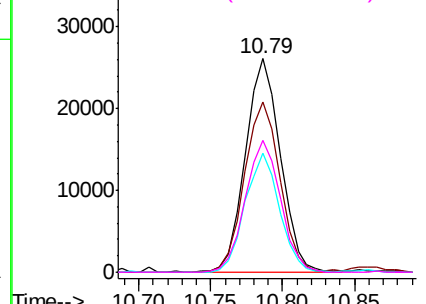
Abundance

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: 21.179 ug/l

RT: 10.65 min Scan# 1434

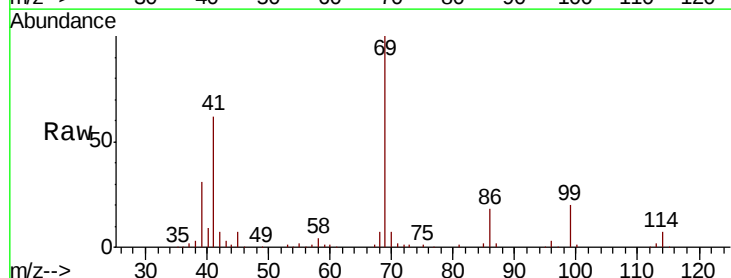
Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Tgt Ion: 69 Resp: 54881

Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.6	77.4
39	29.0	22.4	33.6

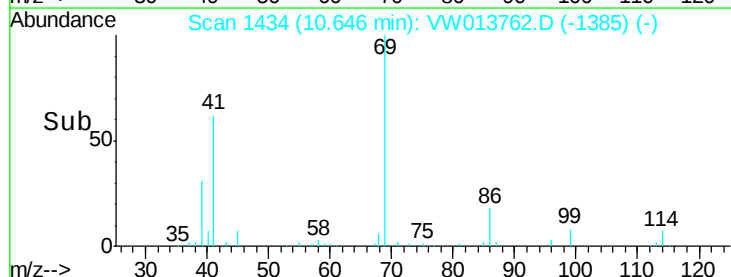
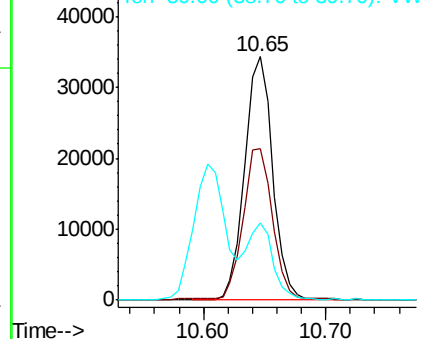


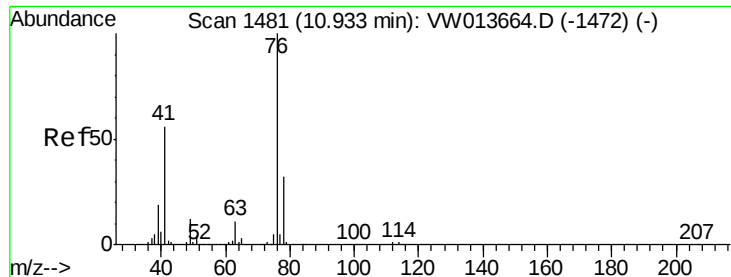
Abundance

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

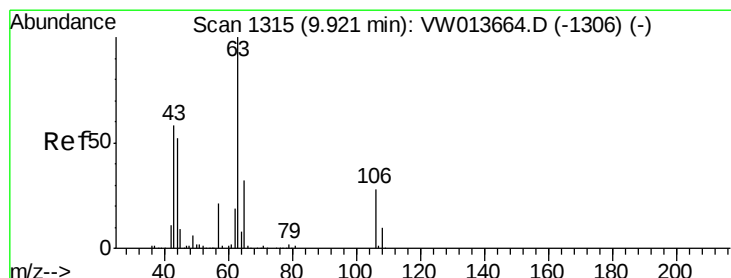
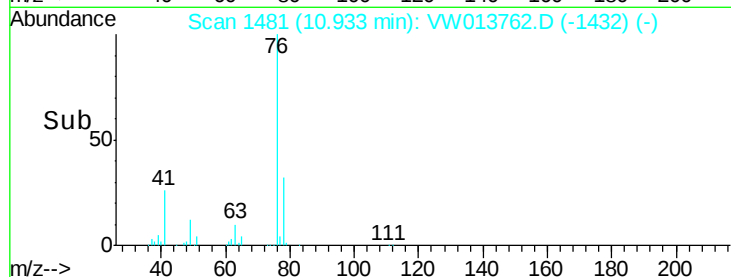
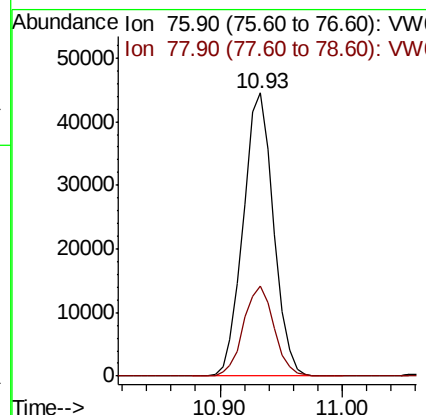
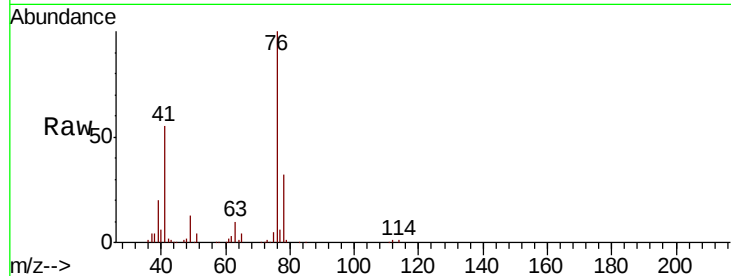




#57
 1,3-Dichloropropane
 Concen: 21.488 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

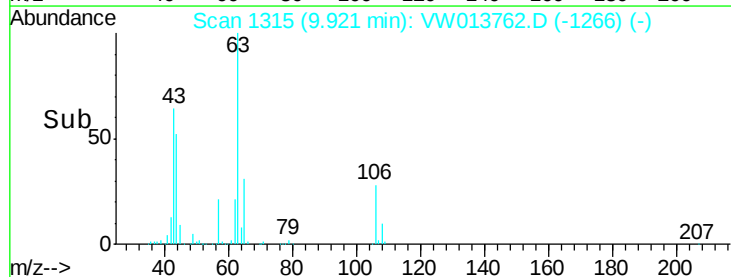
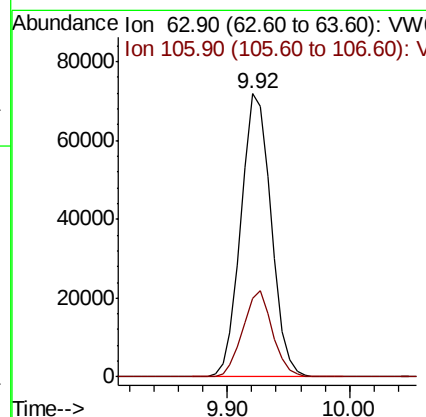
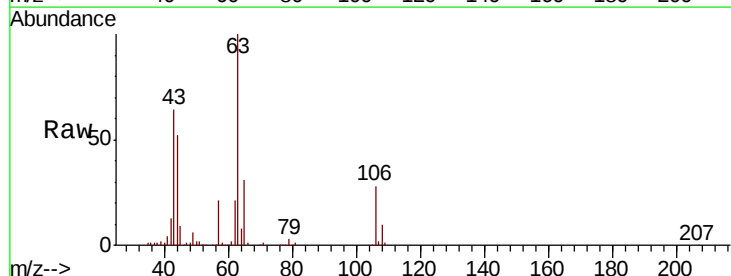
Instrument :
 MSVOA_W
 ClientSampleId :

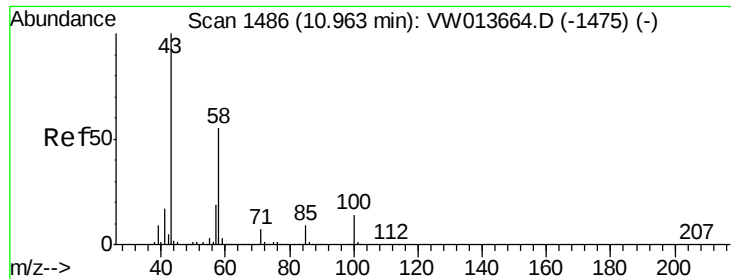
Tot Ion: 76 Resp: 76371
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.386 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion: 63 Resp: 123297
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.8 35.8

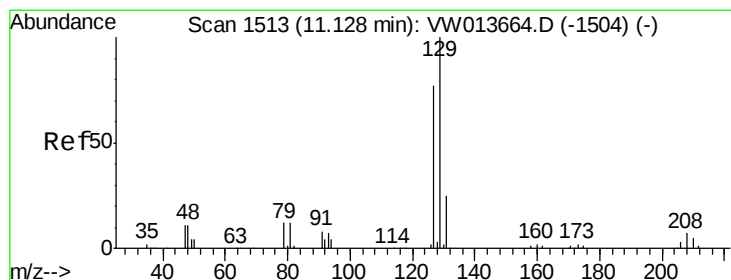
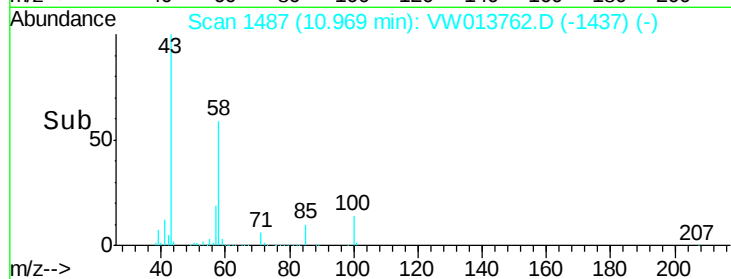
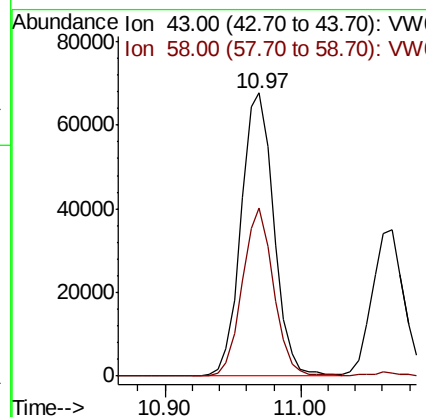
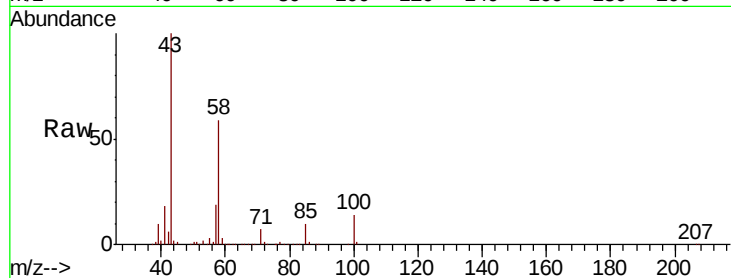




#59
2-Hexanone
Concen: 107.110 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

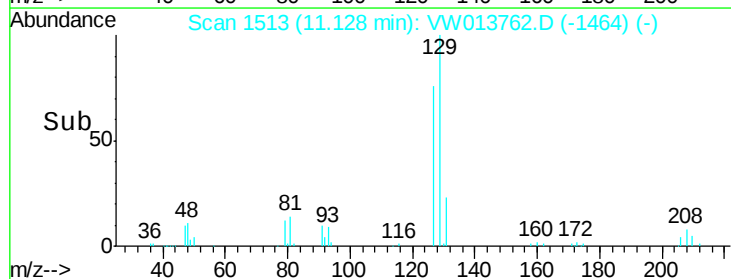
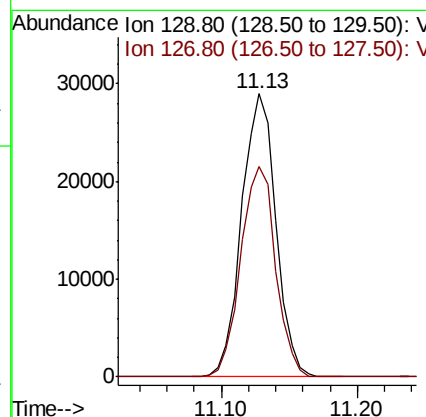
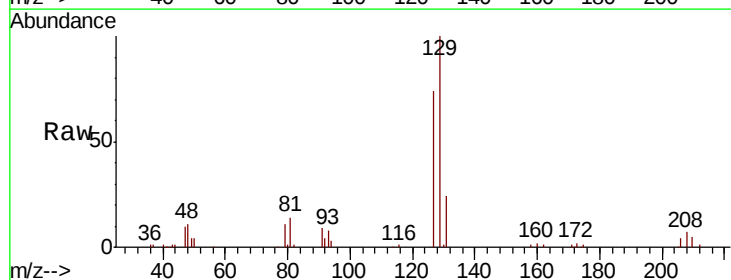
Instrument :
MSVOA_W
ClientSampleId :

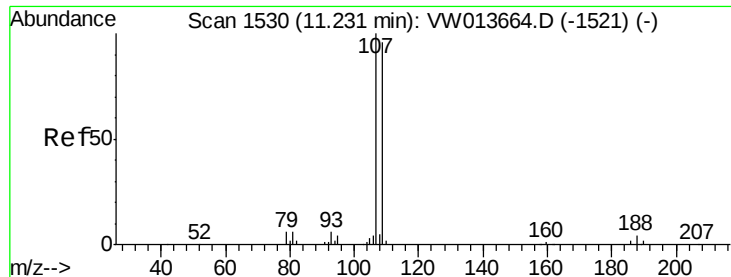
Tot Ion: 43 Resp: 113884
Ion Ratio Lower Upper
43 100
58 56.6 27.9 83.7



#60
Dibromochloromethane
Concen: 20.717 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion:129 Resp: 50944
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 21.313 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

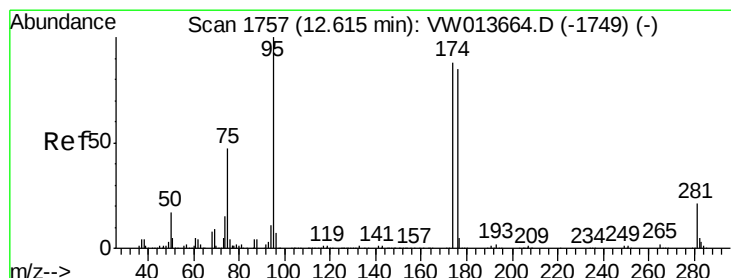
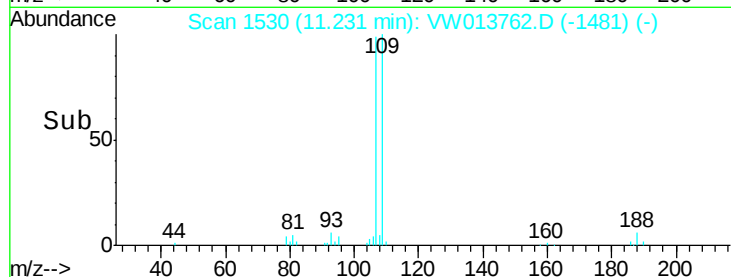
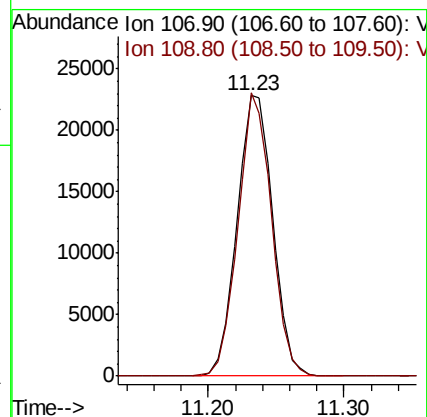
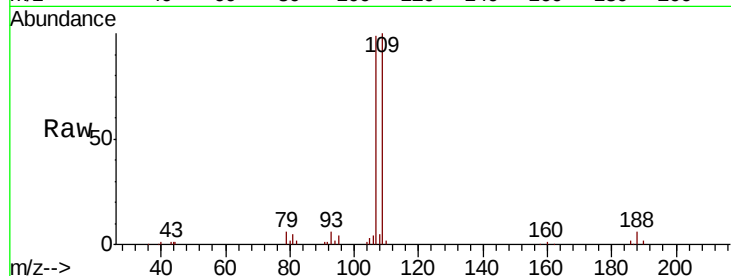
ClientSampled :

Tot Ion:107 Resp: 41761

Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 50.582 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

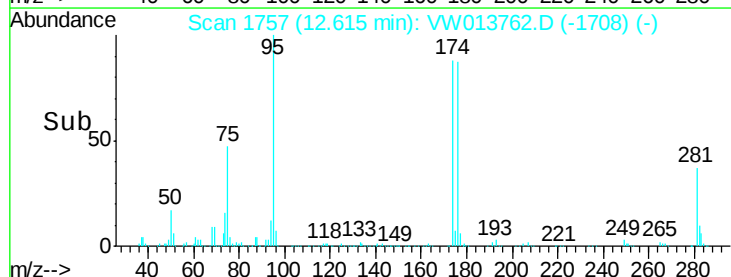
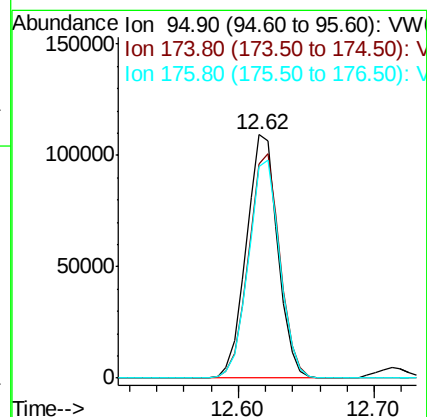
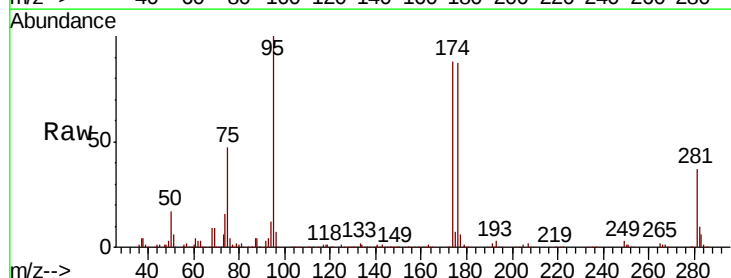
Tgt Ion: 95 Resp: 176374

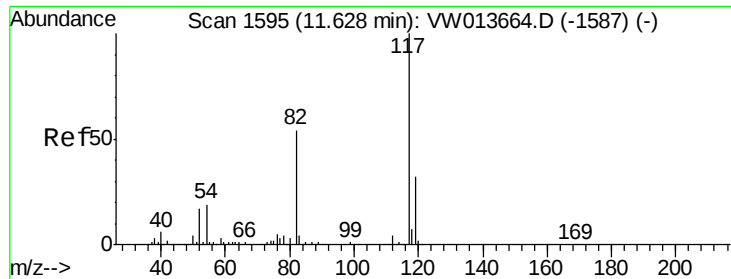
Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.6

176 89.7 0.0 178.0

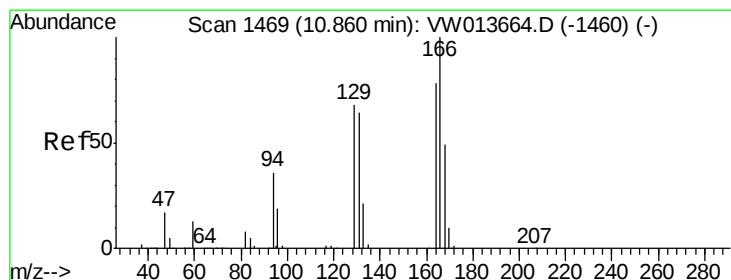
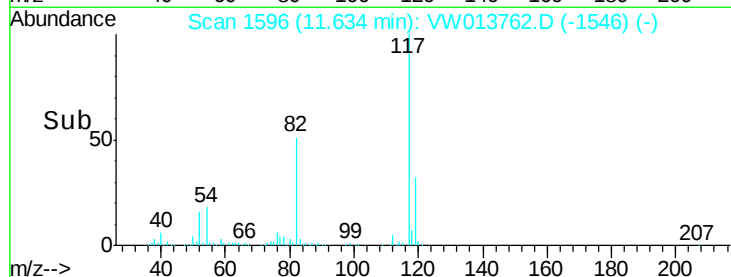
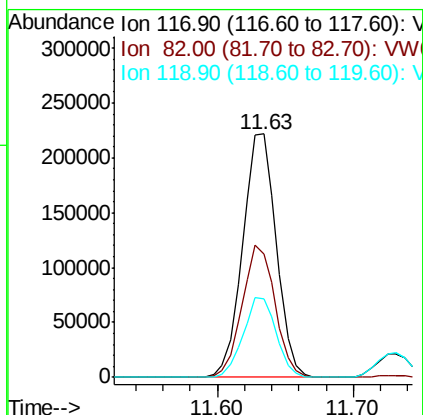
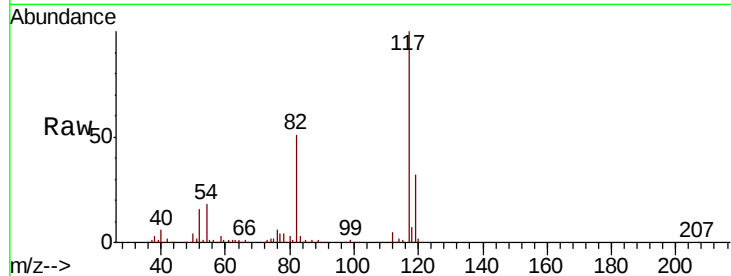




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

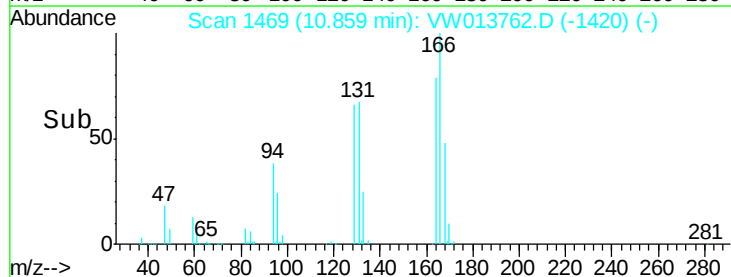
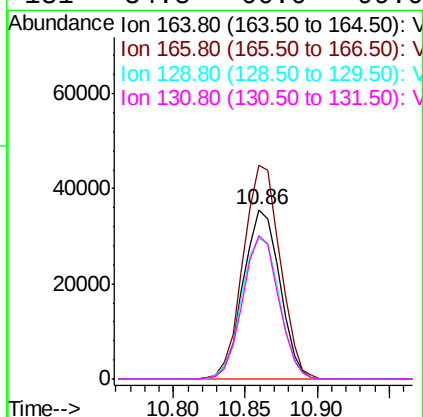
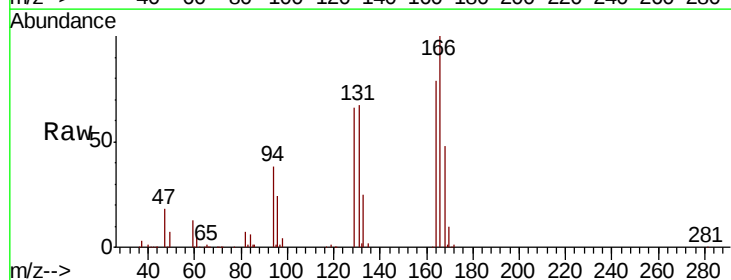
Instrument :
MSVOA_W
ClientSampled :

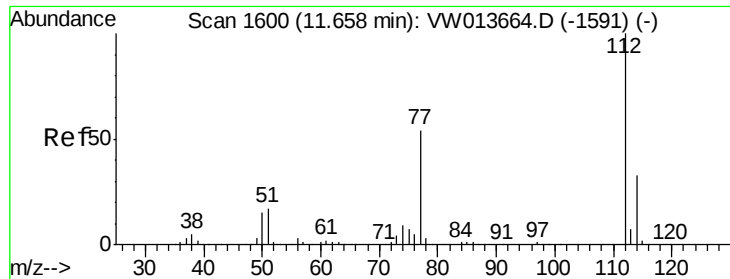
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	43.6	65.4
119	32.3	25.4	38.2



#64
Tetrachloroethene
Concen: 21.384 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.2	154.8
129	83.6	70.6	105.8
131	84.8	66.0	99.0

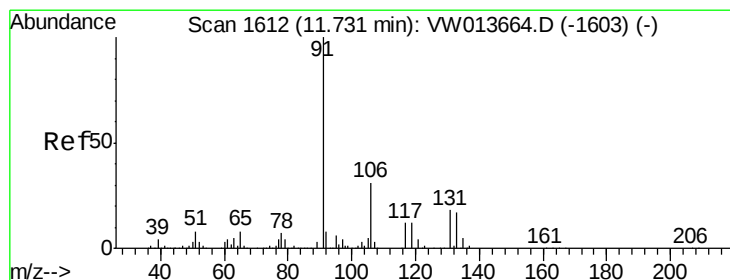
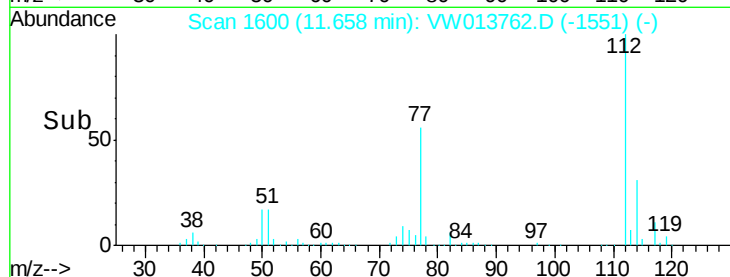
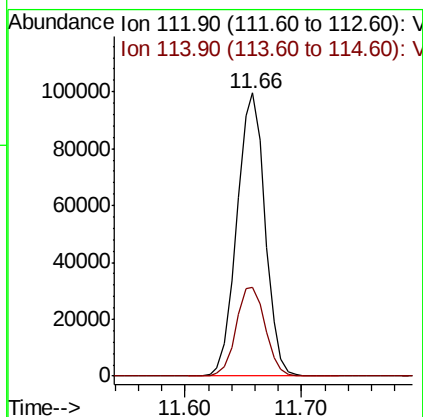
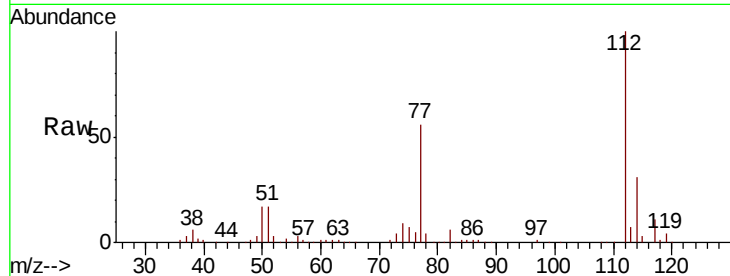




#65
Chlorobenzene
Concen: 21.318 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

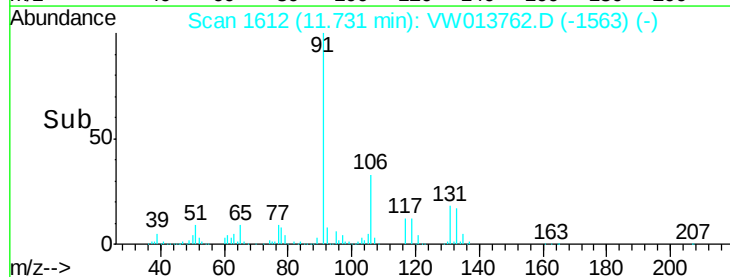
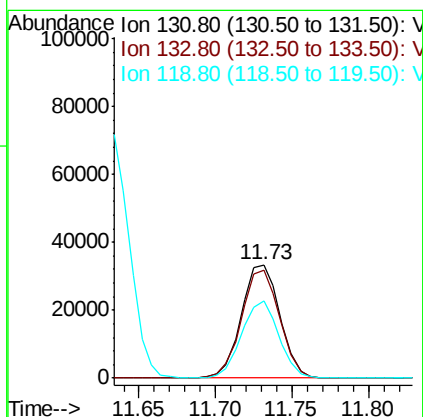
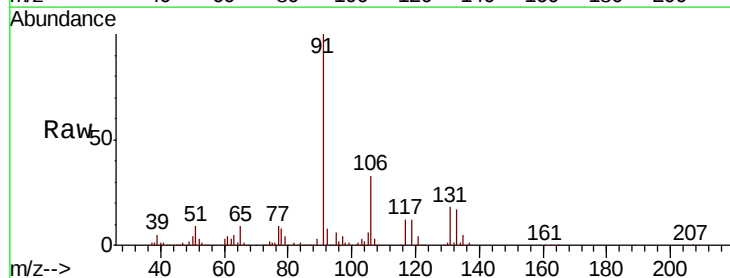
Instrument :
MSVOA_W
ClientSampled :

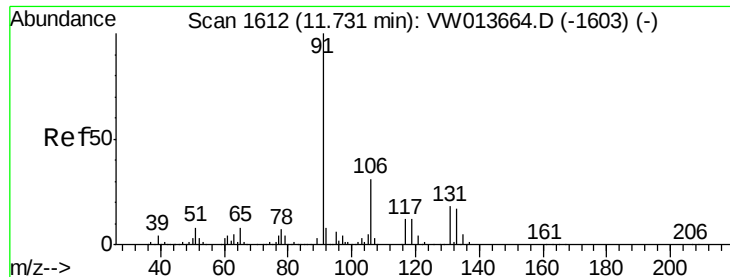
Tot Ion:112 Resp: 167693
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.217 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion:131 Resp: 58248
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.3
119 66.3 33.1 99.2

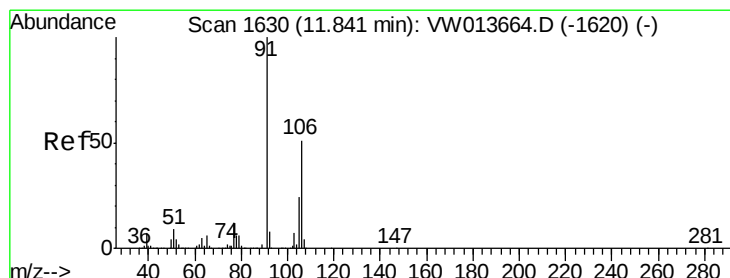
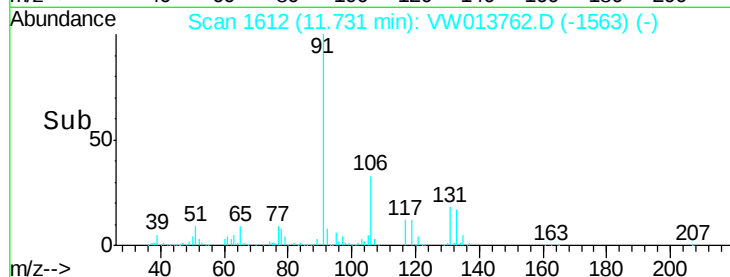
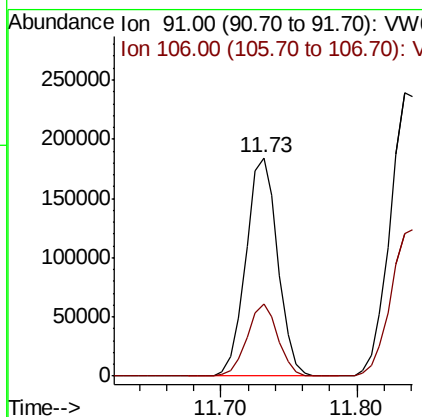
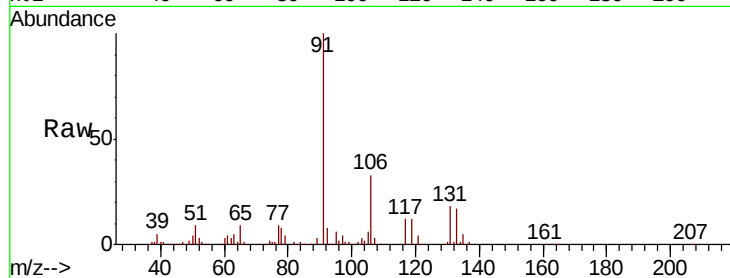




#67
Ethyl Benzene
Concen: 21.282 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

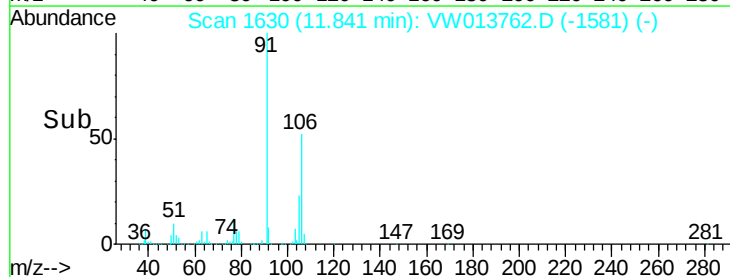
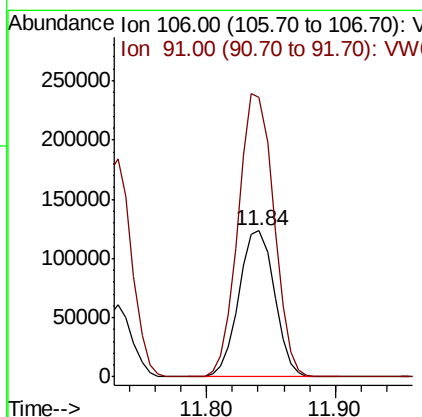
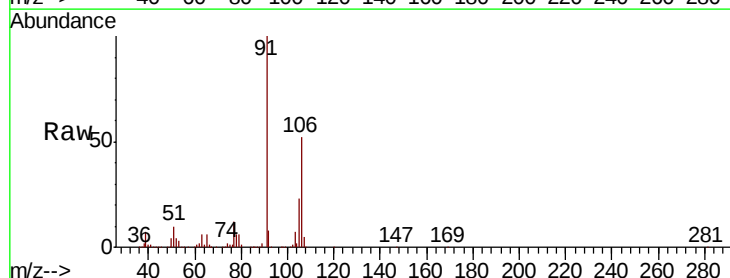
Instrument :
MSVOA_W
ClientSampled :

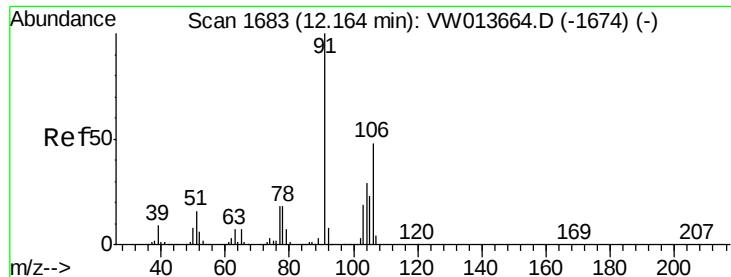
Tot Ion: 91 Resp: 301869
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.6



#68
m/p-Xylenes
Concen: 43.122 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 106 Resp: 236316
Ion Ratio Lower Upper
106 100
91 194.7 159.2 238.8

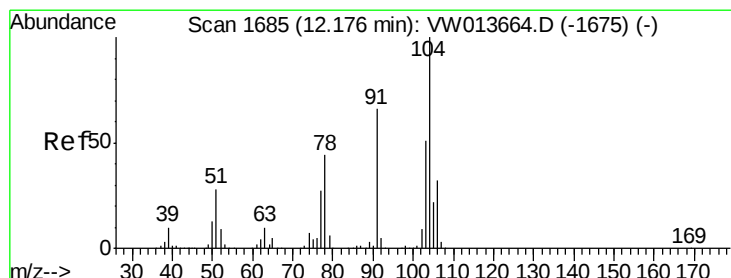
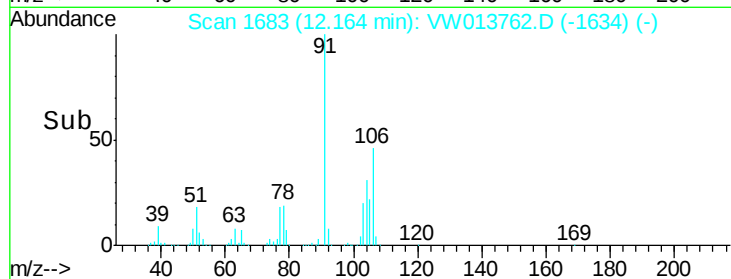
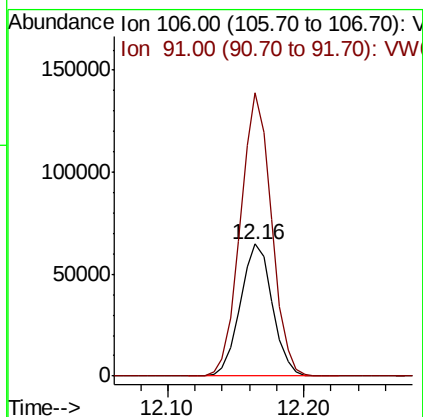
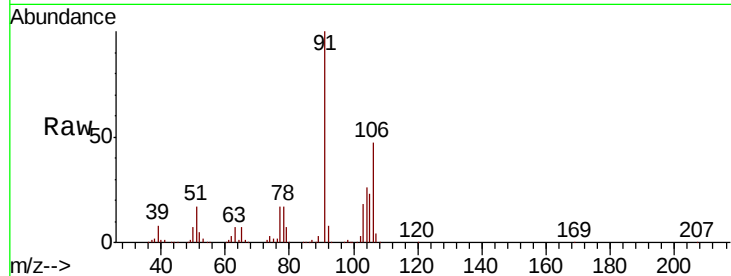




#69
o-Xylene
Concen: 21.152 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

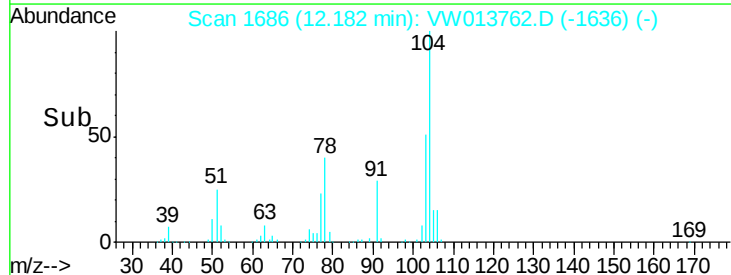
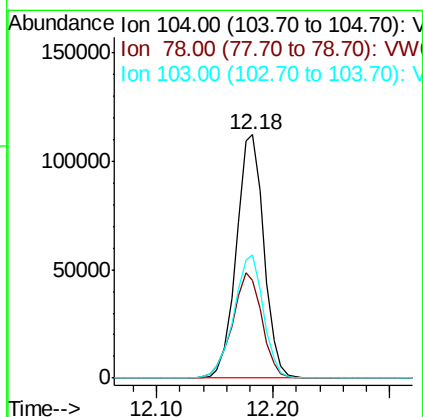
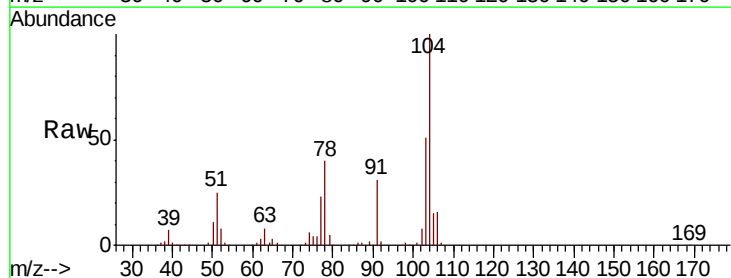
Instrument :
MSVOA_W
ClientSampleId :

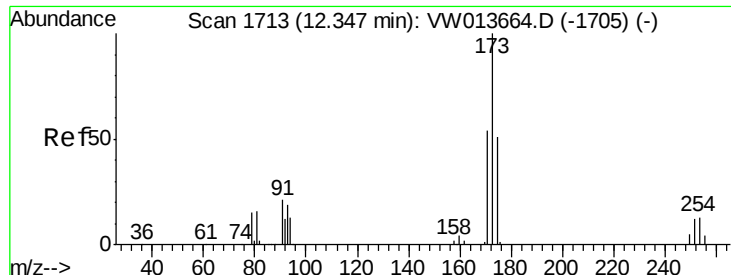
Tot Ion:106 Resp: 106549
Ion Ratio Lower Upper
106 100
91 208.0 104.9 314.7



#70
Styrene
Concen: 21.357 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion:104 Resp: 184834
Ion Ratio Lower Upper
104 100
78 46.6 37.1 55.7
103 54.4 43.6 65.4





#71

Bromoform

Concen: 21.285 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

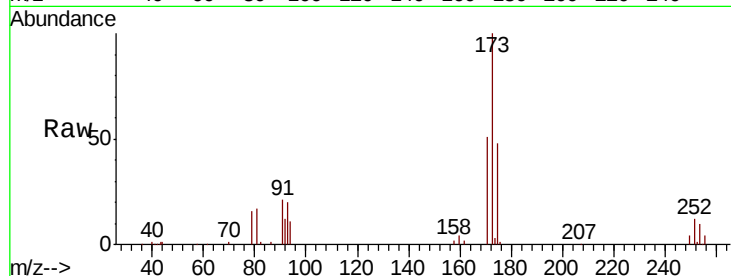
Tot Ion:173 Resp: 30665

Ion Ratio Lower Upper

173 100

175 48.1 25.2 75.6

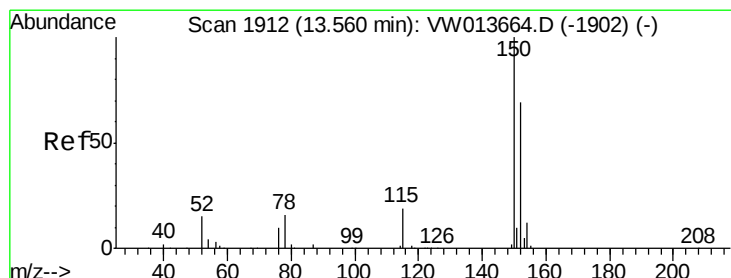
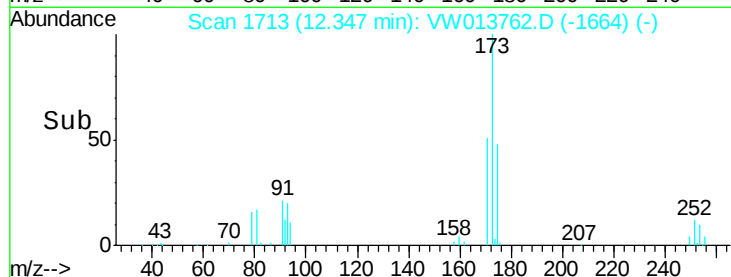
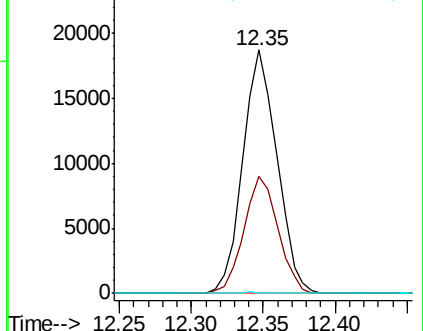
254 0.3 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

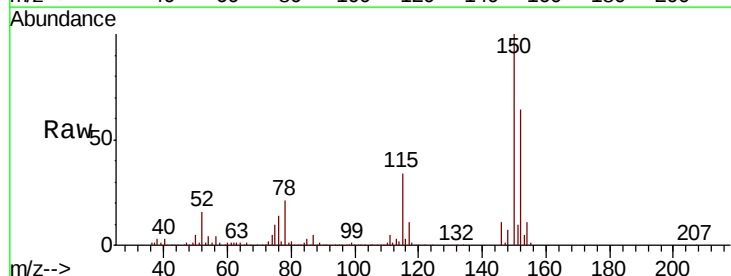
Tgt Ion:152 Resp: 198778

Ion Ratio Lower Upper

152 100

115 54.1 27.4 82.2

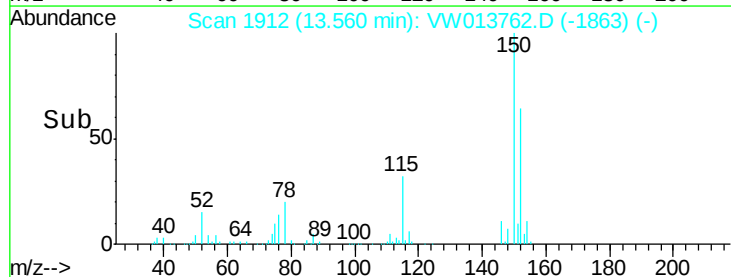
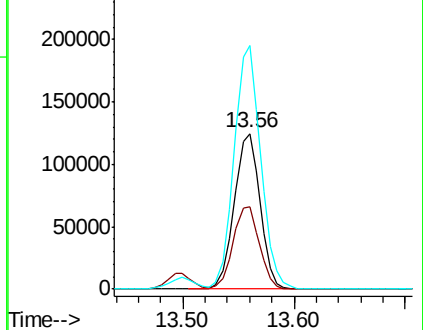
150 162.0 0.0 345.4

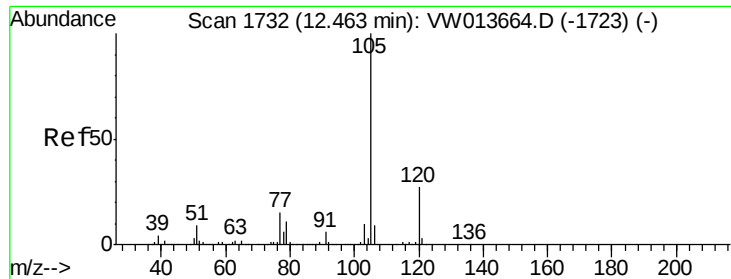


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

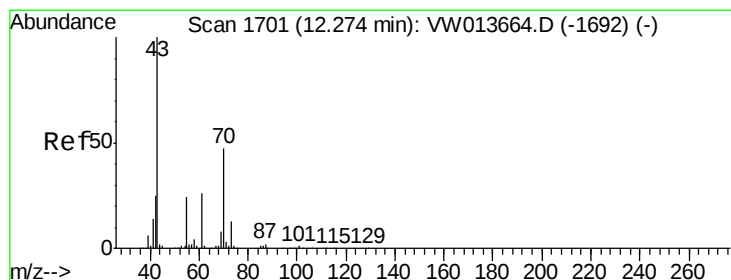
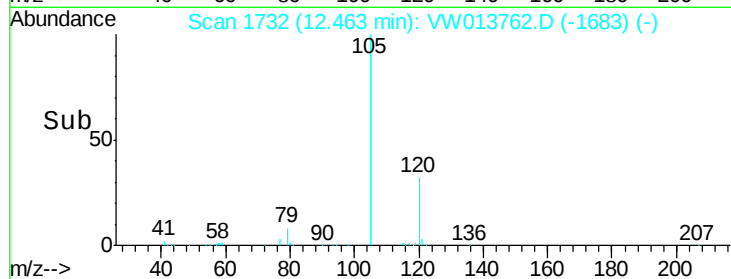
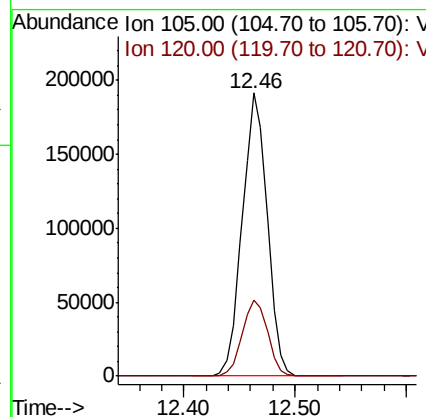
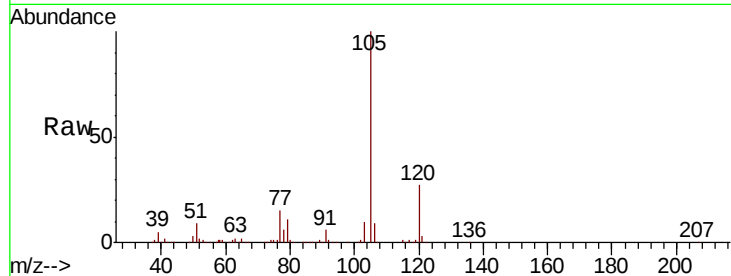




#73
Isopropylbenzene
Concen: 20.757 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

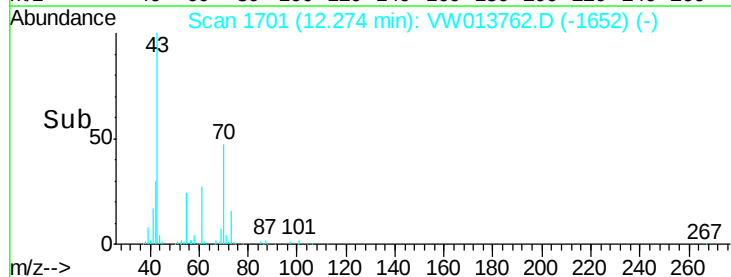
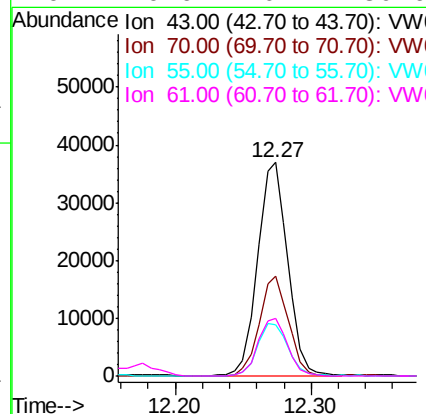
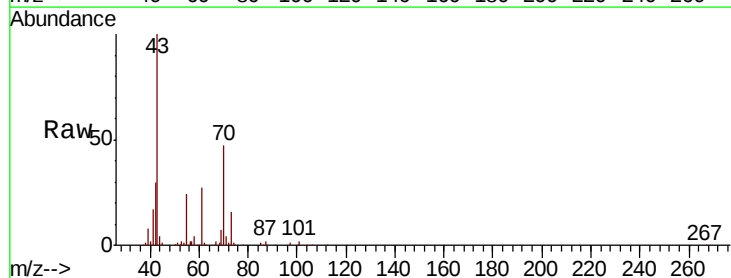
Instrument :
MSVOA_W
ClientSampleId :

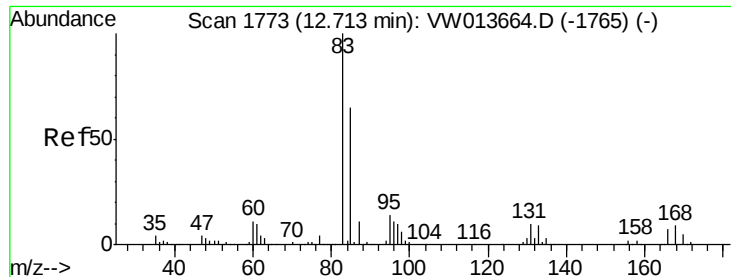
Tot Ion:105 Resp: 296303
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.4



#74
N-ethyl acetate
Concen: 20.748 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 43 Resp: 57292
Ion Ratio Lower Upper
43 100
70 45.4 36.6 55.0
55 25.6 20.3 30.5
61 26.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.440 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

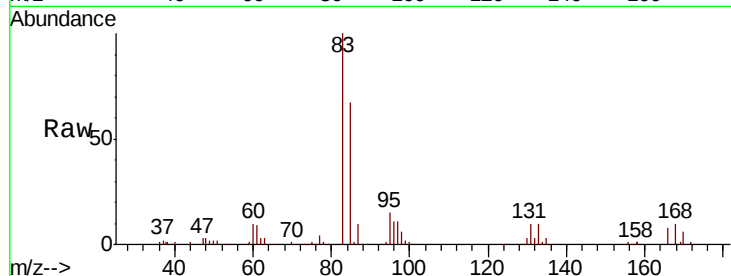
Tot Ion: 83 Resp: 48296

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

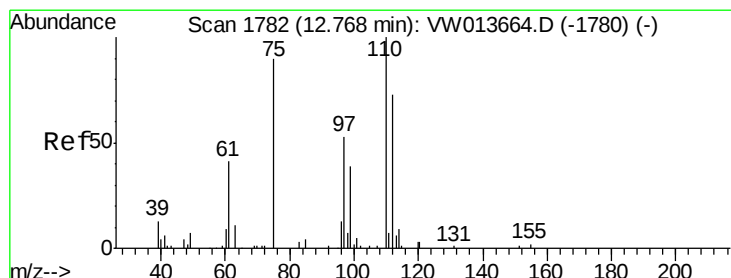
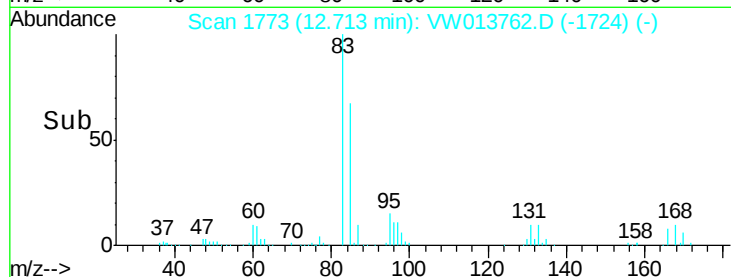
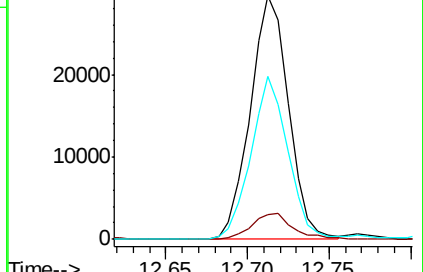
85 64.5 32.5 97.4



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: 43.780 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013762.D

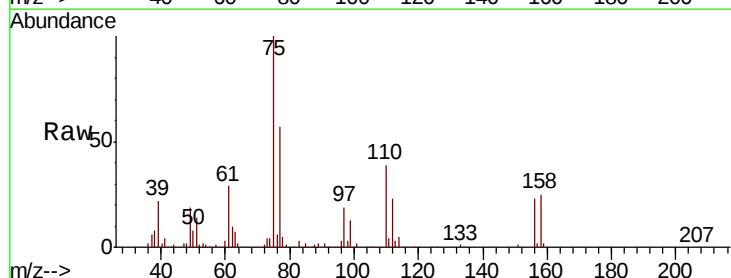
Acq: 28 Oct 2019 13:21

Tgt Ion: 75 Resp: 62496

Ion Ratio Lower Upper

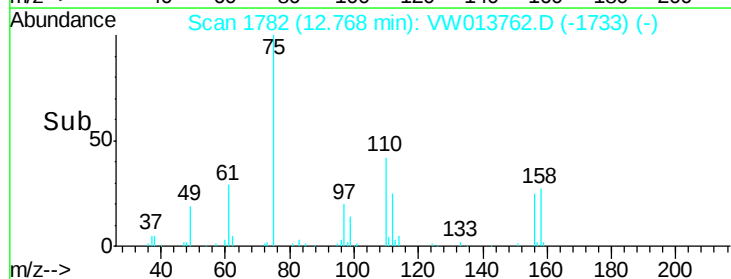
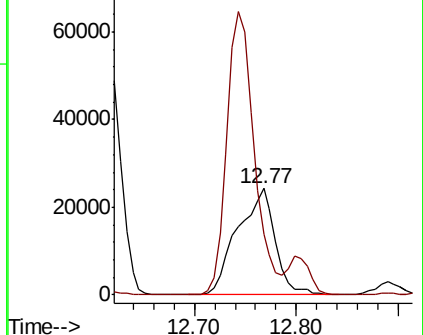
75 100

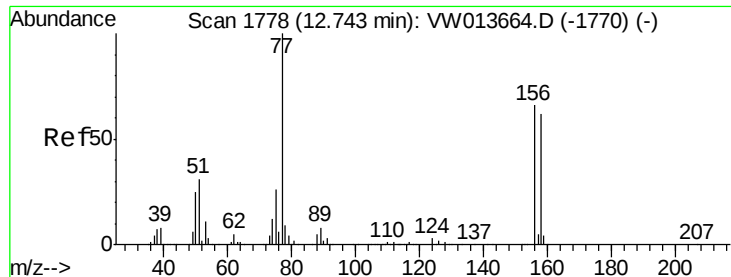
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.854 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

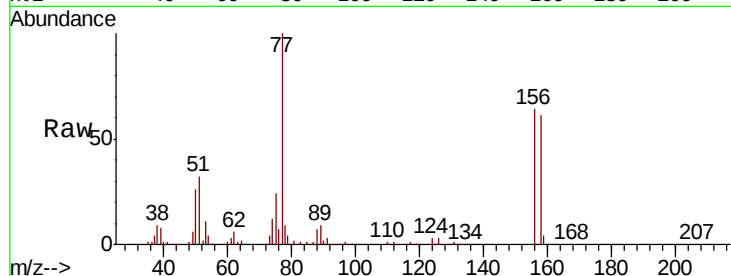
Tot Ion:156 Resp: 71113

Ion Ratio Lower Upper

156 100

77 169.7 82.9 248.7

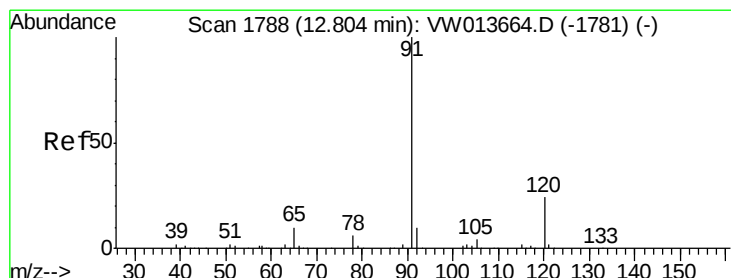
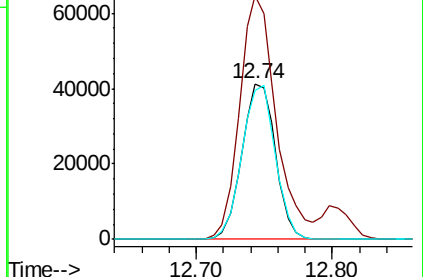
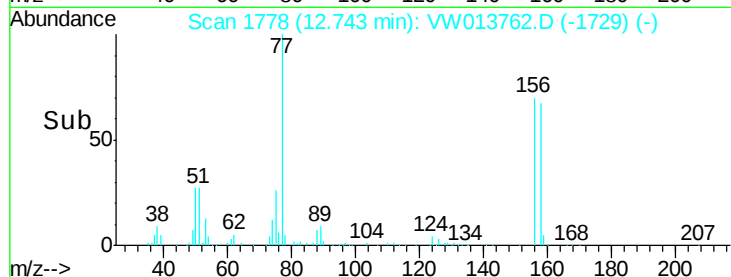
158 98.9 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.177 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013762.D

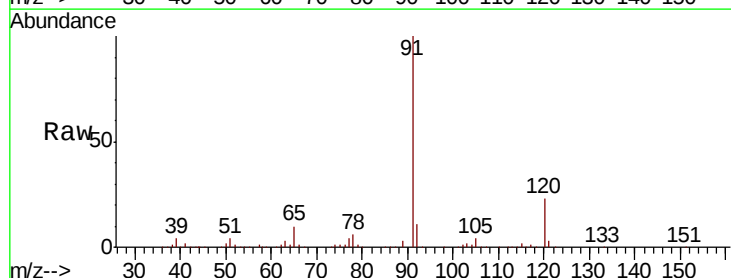
Acq: 28 Oct 2019 13:21

Tgt Ion: 91 Resp: 349899

Ion Ratio Lower Upper

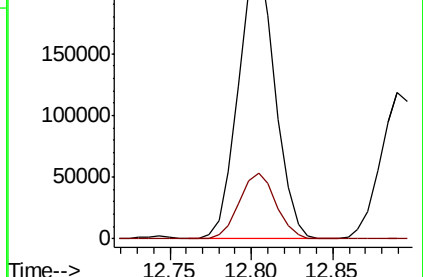
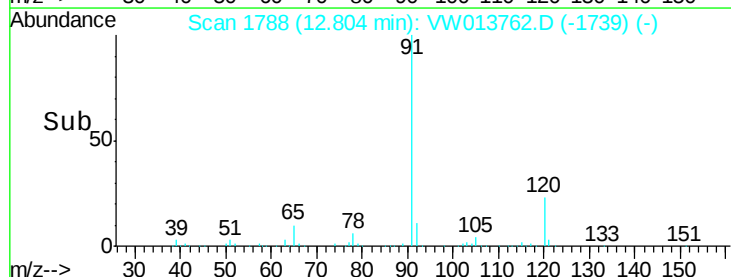
91 100

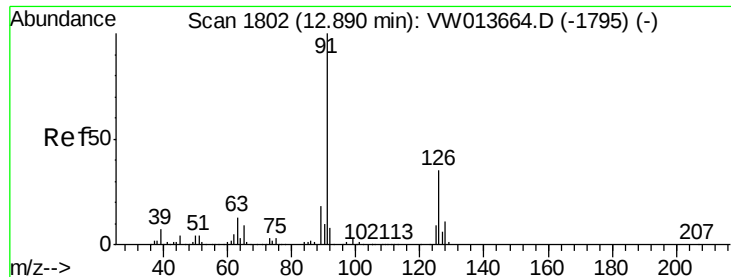
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.873 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

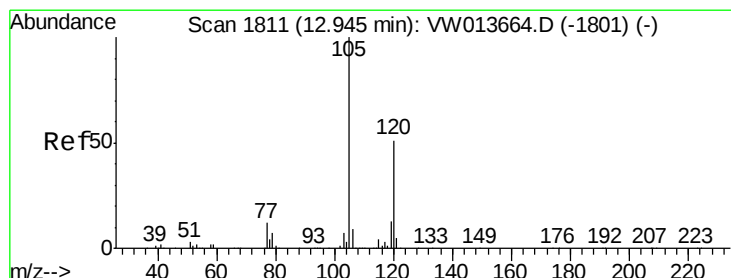
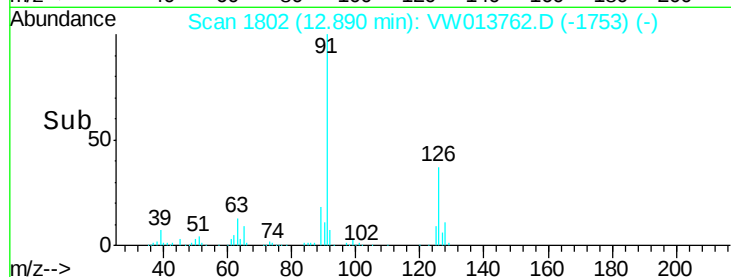
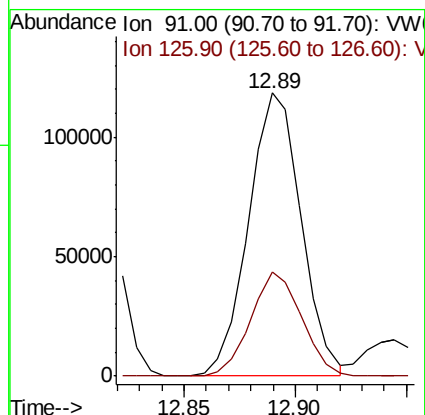
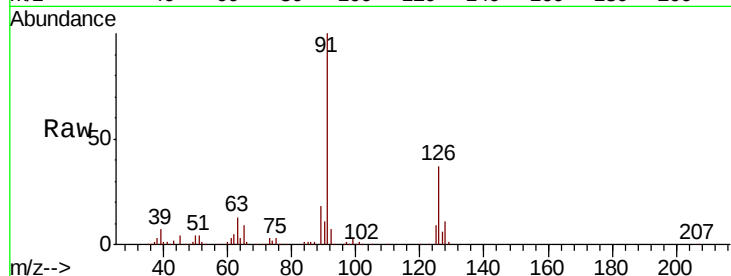
ClientSampleId :

Tot Ion: 91 Resp: 193806

Ion Ratio Lower Upper

91 100

126 36.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 21.283 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013762.D

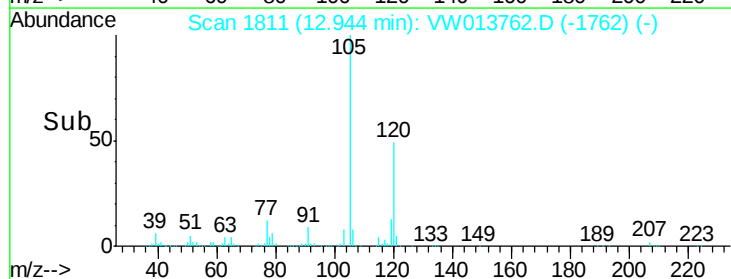
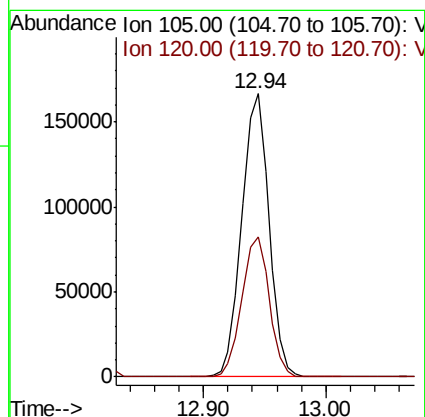
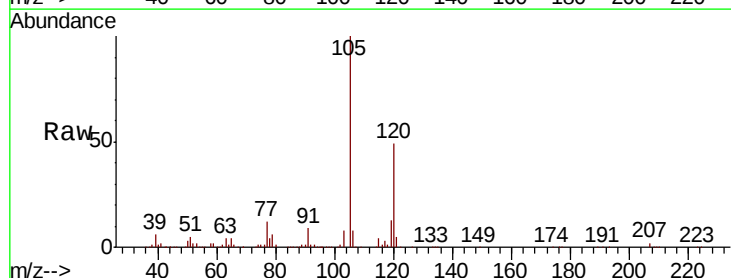
Acq: 28 Oct 2019 13:21

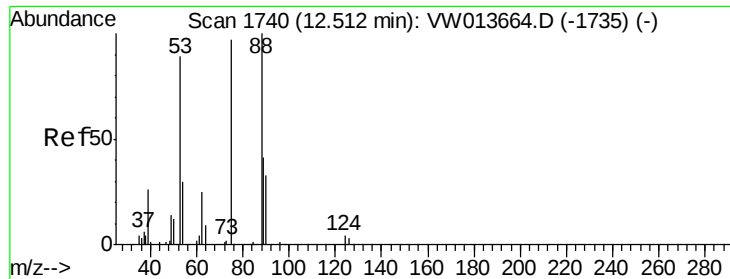
Tgt Ion:105 Resp: 256465

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3

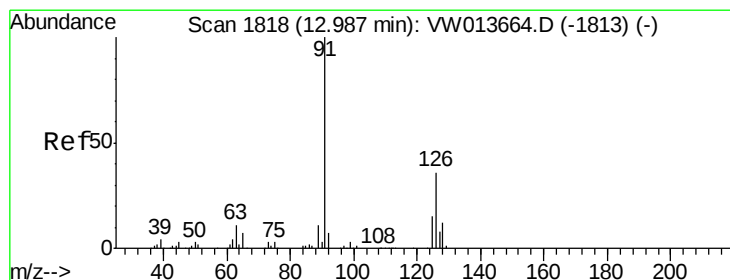
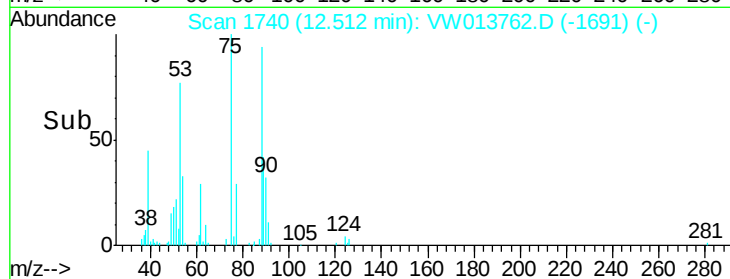
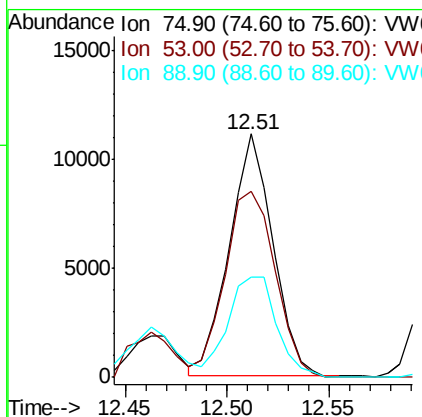
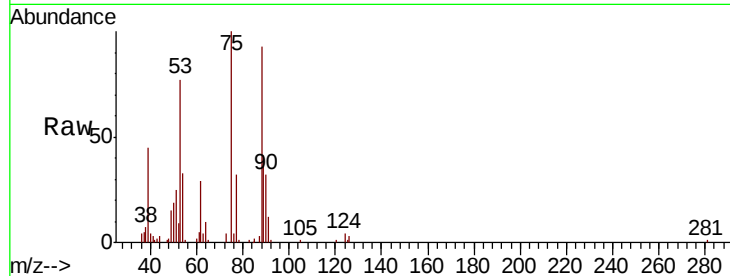




#81
trans-1,4-Dichloro-2-butene
Concen: 21.798 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

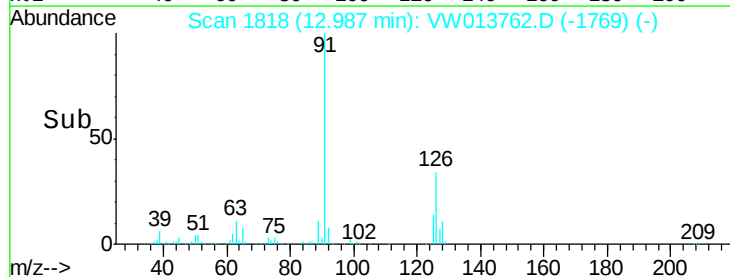
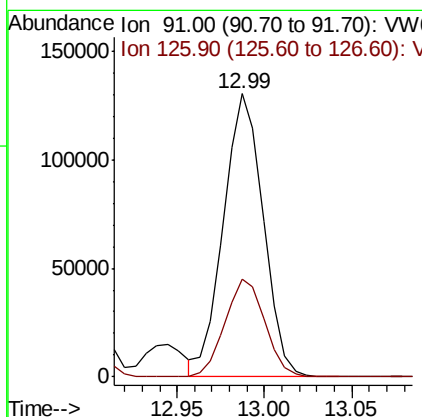
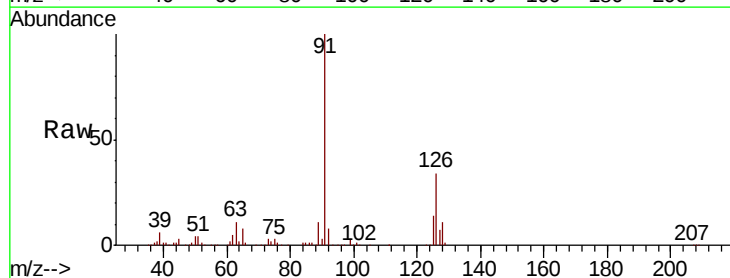
Instrument :
MSVOA_W
ClientSampled :

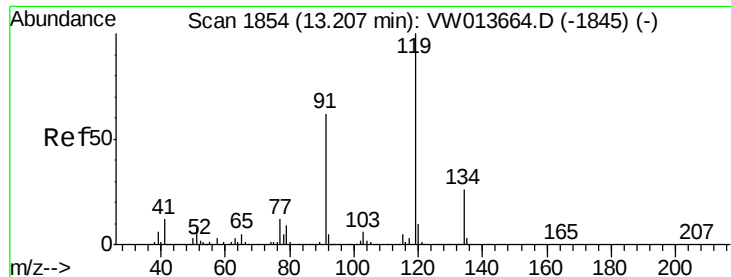
Tot Ion: 75 Resp: 16465
Ion Ratio Lower Upper
75 100
53 89.0 71.7 107.5
89 46.3 35.8 53.8



#82
4-Chlorotoluene
Concen: 21.093 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion: 91 Resp: 205612
Ion Ratio Lower Upper
91 100
126 34.7 17.2 51.5

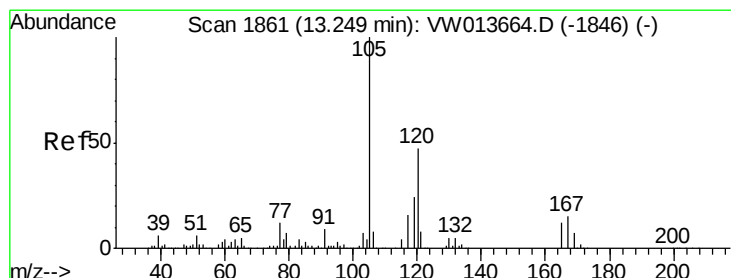
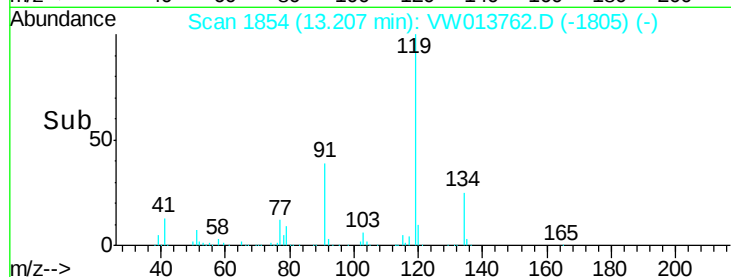
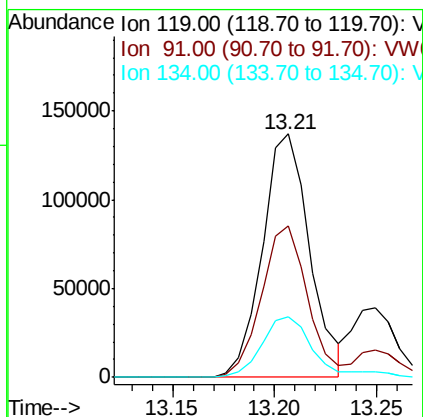
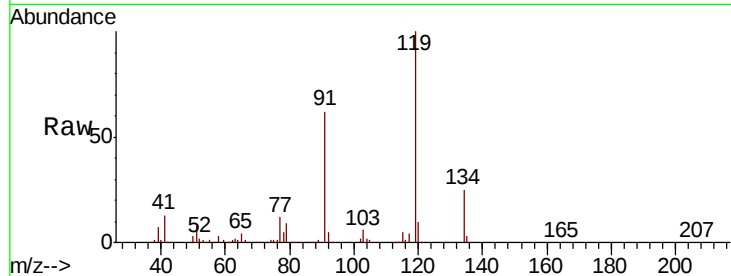




#83
tert-Butylbenzene
Concen: 20.716 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

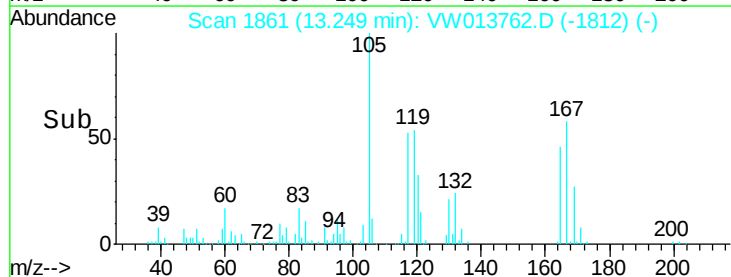
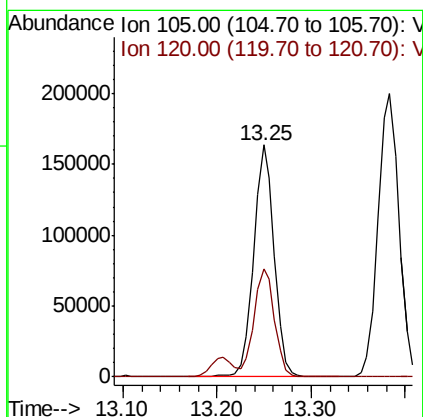
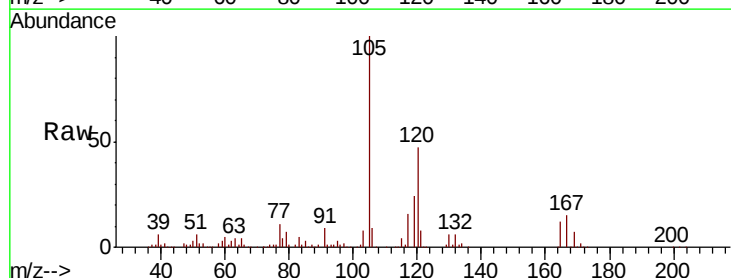
Instrument :
MSVOA_W
ClientSampled :

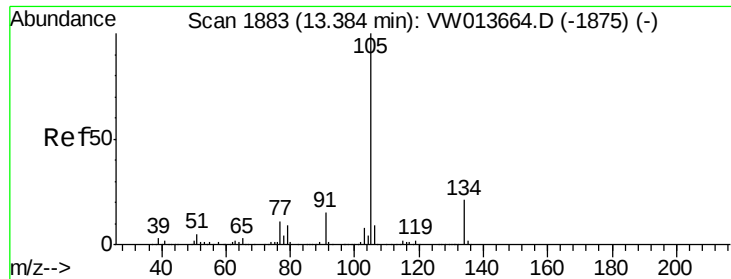
Tot Ion:119 Resp: 221584
Ion Ratio Lower Upper
119 100
91 60.5 30.4 91.3
134 27.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.123 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion:105 Resp: 251088
Ion Ratio Lower Upper
105 100
120 46.5 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.057 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

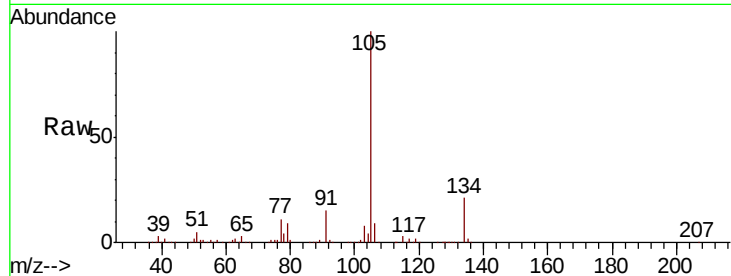
ClientSampled :

Tot Ion:105 Resp: 307995

Ion Ratio Lower Upper

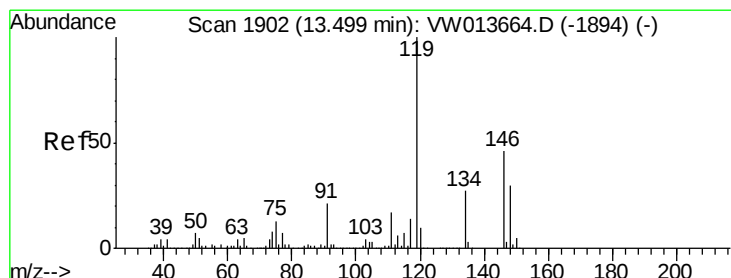
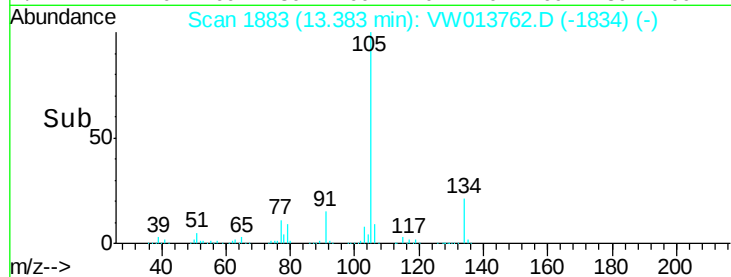
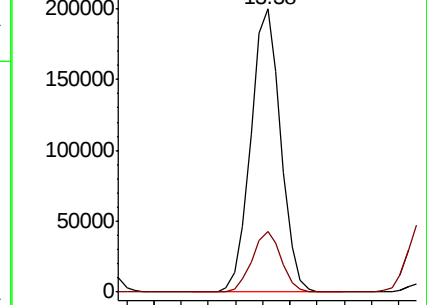
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.090 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

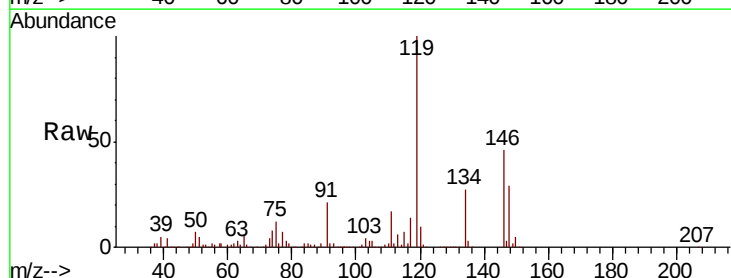
Tgt Ion:119 Resp: 287360

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

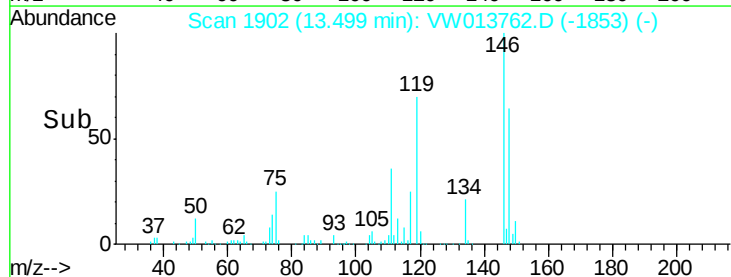
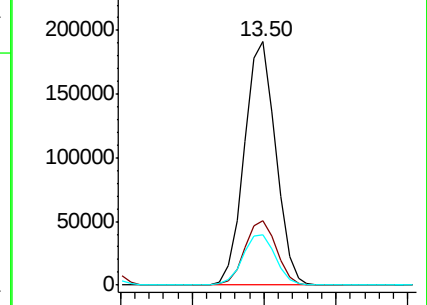
91 21.8 10.8 32.3

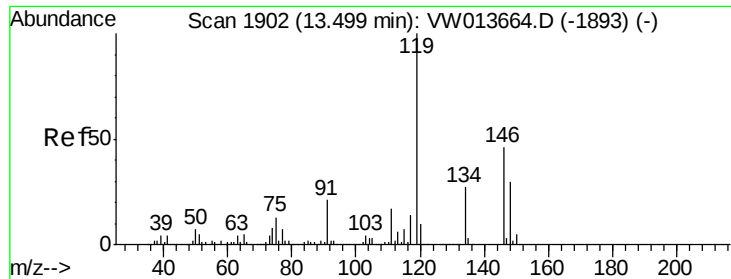


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

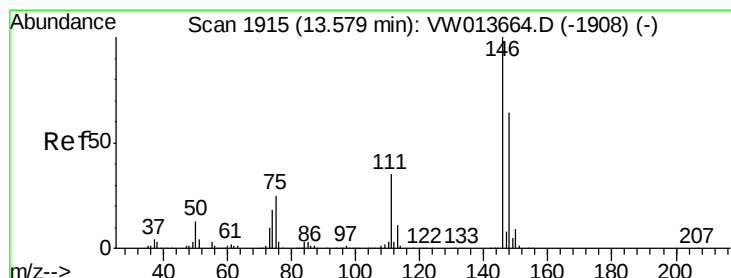
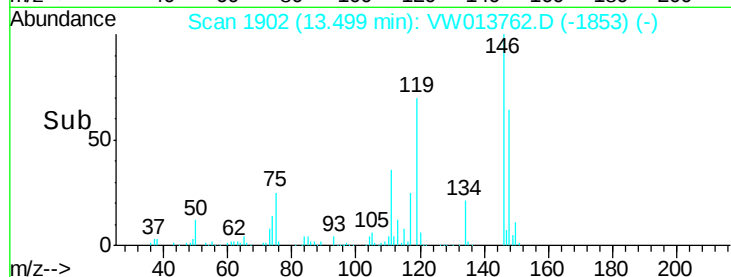
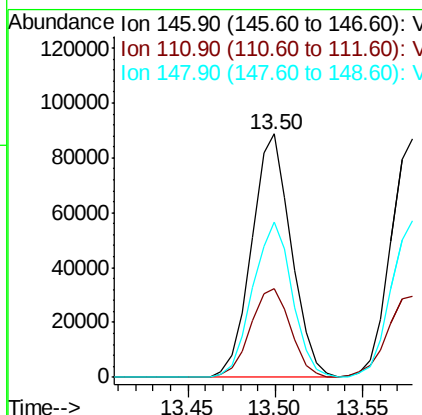
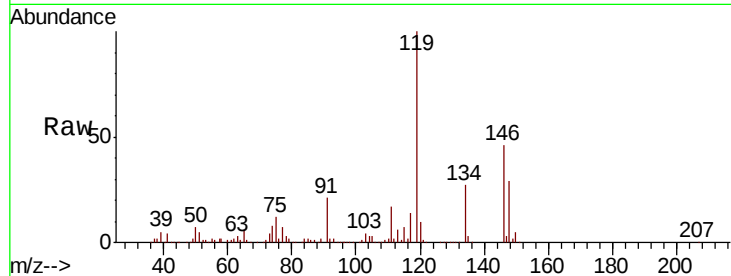




#87
 1,3-Dichlorobenzene
 Concen: 21.203 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

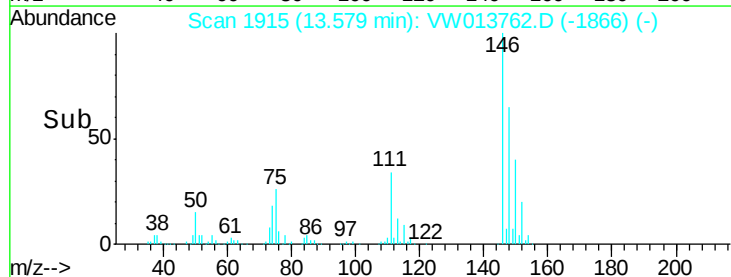
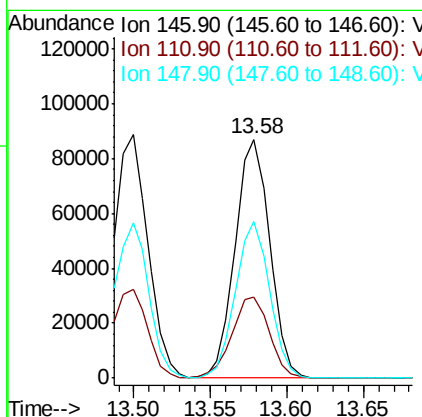
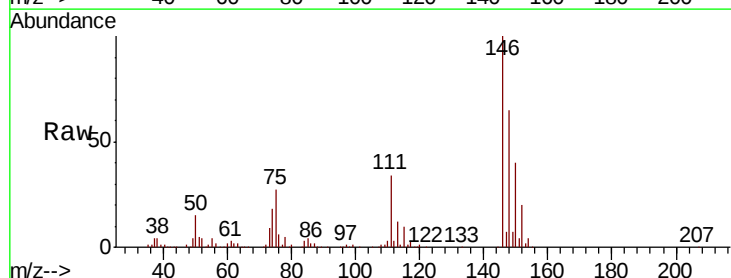
Instrument :
 MSVOA_W
 ClientSampleId :

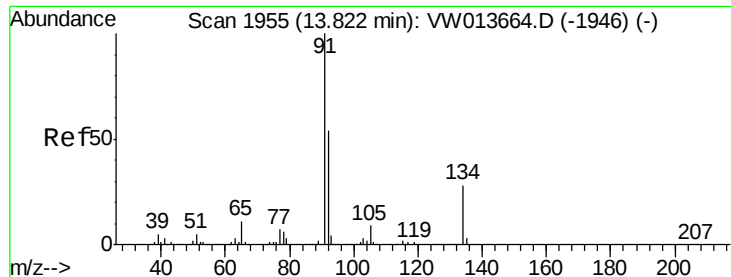
Tot Ion:146 Resp: 140091
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 63.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.940 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion:146 Resp: 137450
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.3
 148 64.8 32.0 96.2





#89

n-Butylbenzene

Concen: 21.410 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

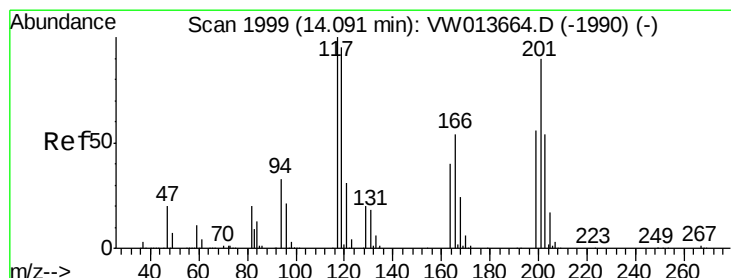
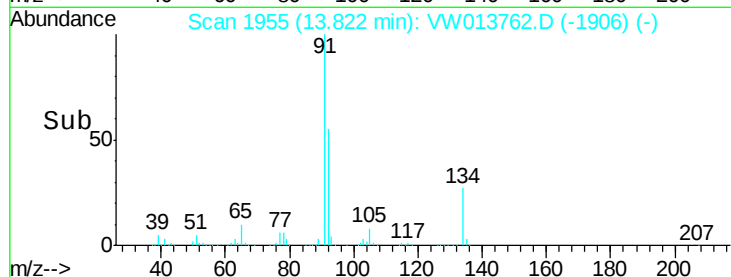
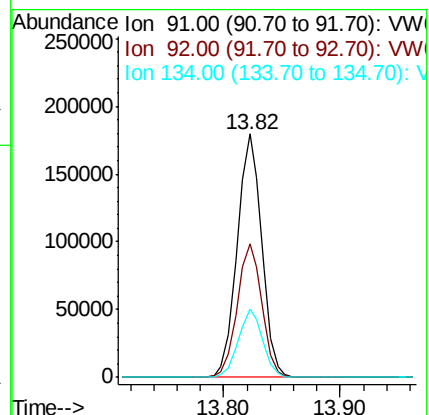
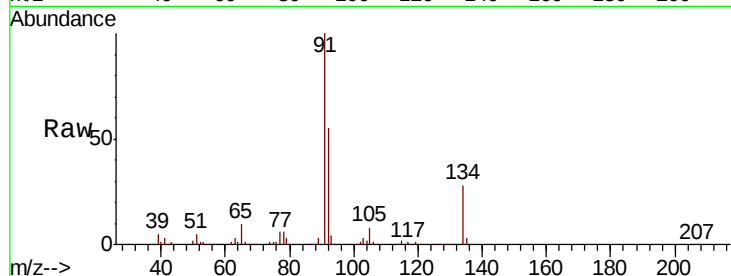
Tot Ion: 91 Resp: 263306

Ion Ratio Lower Upper

91 100

92 54.9 27.5 82.4

134 27.7 14.0 41.9



#90

Hexachloroethane

Concen: 20.703 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013762.D

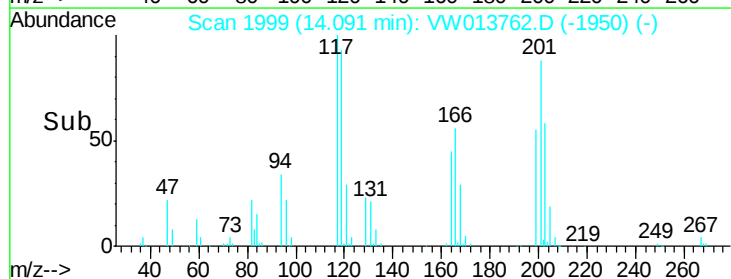
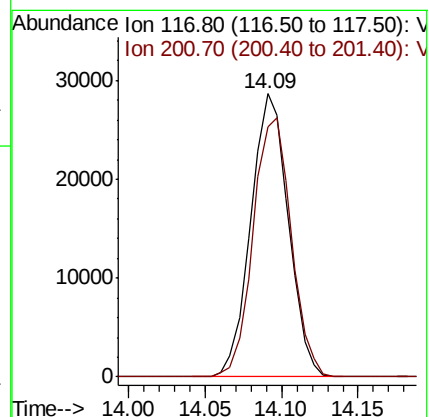
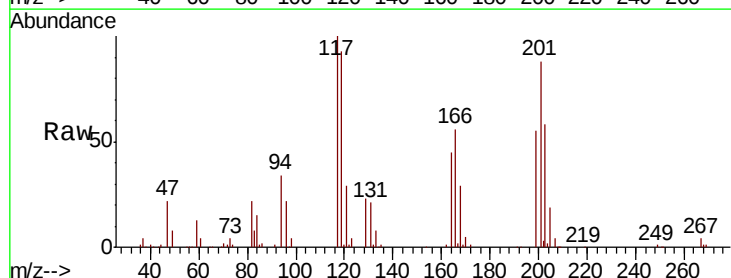
Acq: 28 Oct 2019 13:21

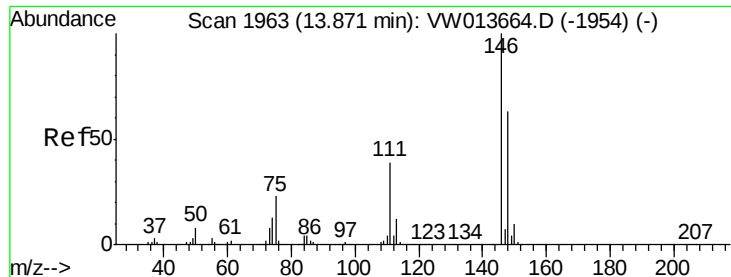
Tgt Ion: 117 Resp: 49031

Ion Ratio Lower Upper

117 100

201 92.7 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 21.061 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

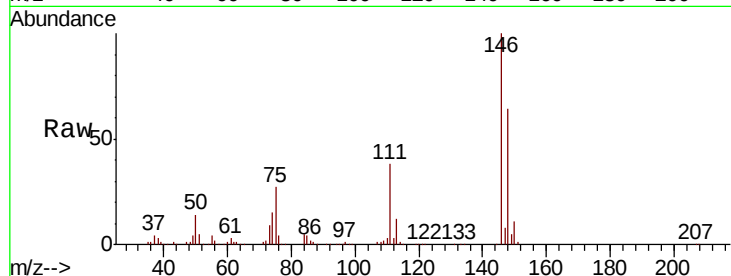
Tot Ion:146 Resp: 120653

Ion Ratio Lower Upper

146 100

111 38.0 19.9 59.6

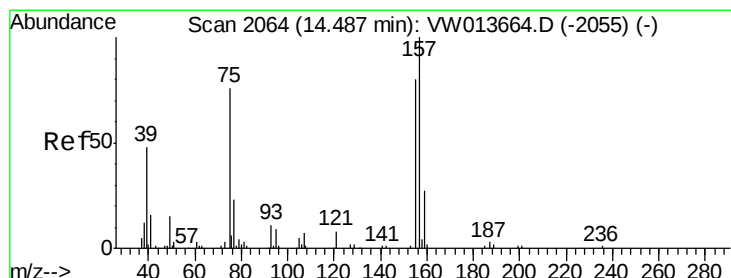
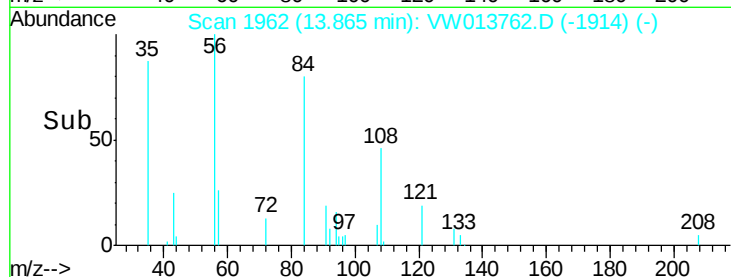
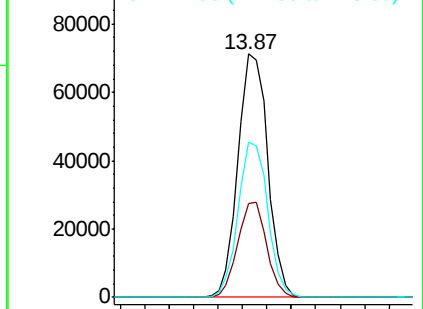
148 63.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.361 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013762.D

Acq: 28 Oct 2019 13:21

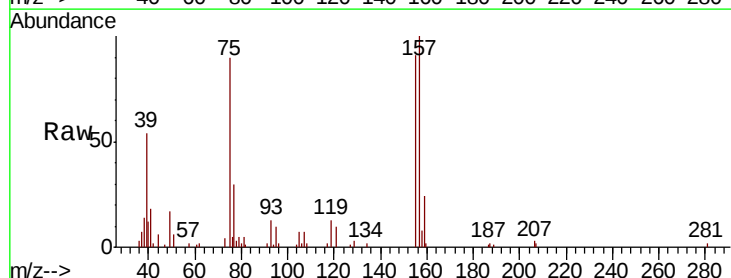
Tgt Ion: 75 Resp: 7617

Ion Ratio Lower Upper

75 100

155 98.8 51.9 155.7

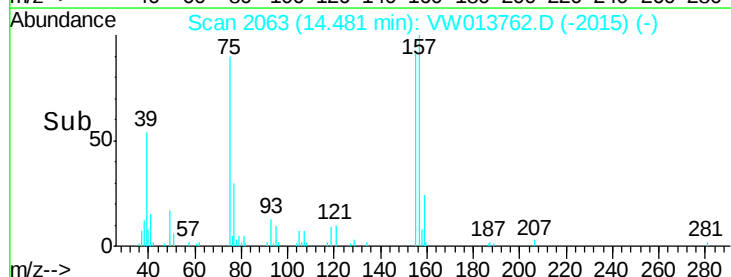
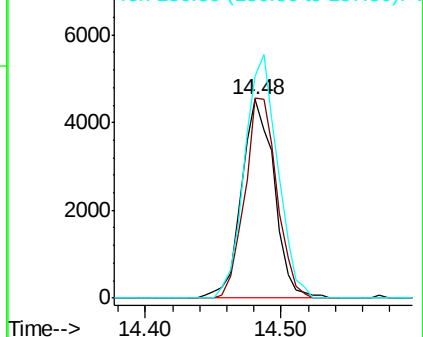
157 124.0 64.8 194.3

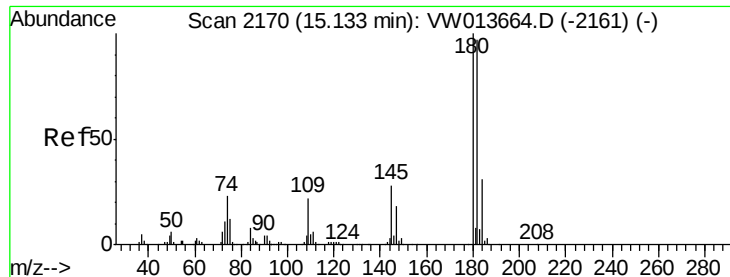


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

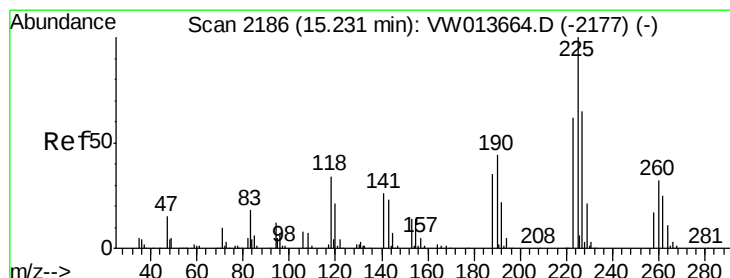
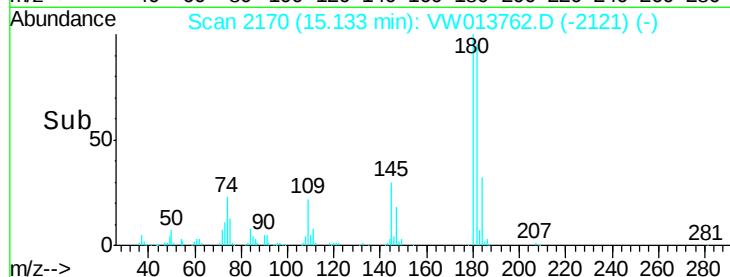
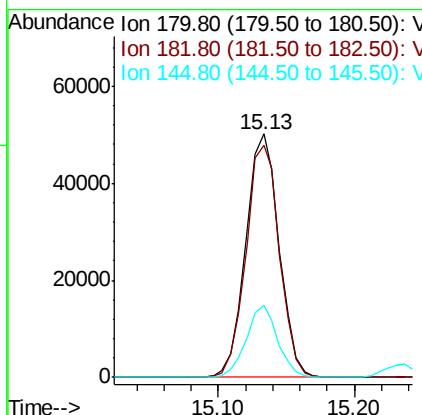
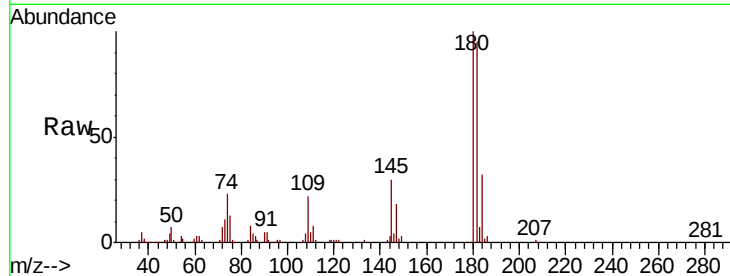




#93
 1,2,4-Trichlorobenzene
 Concen: 20.590 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

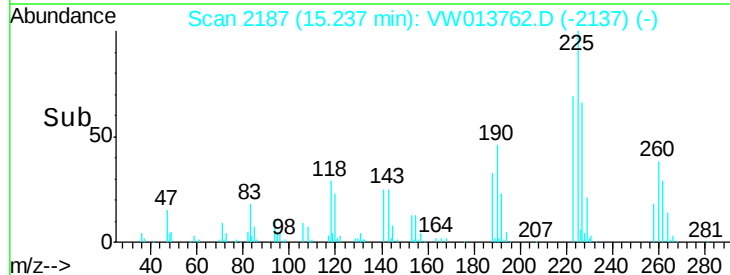
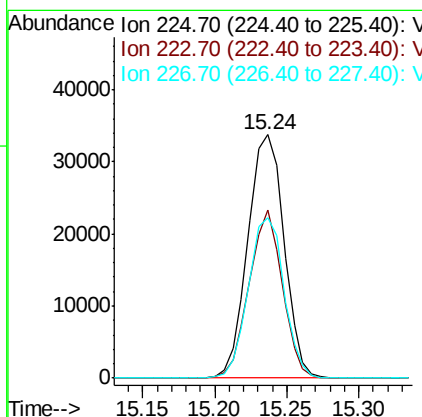
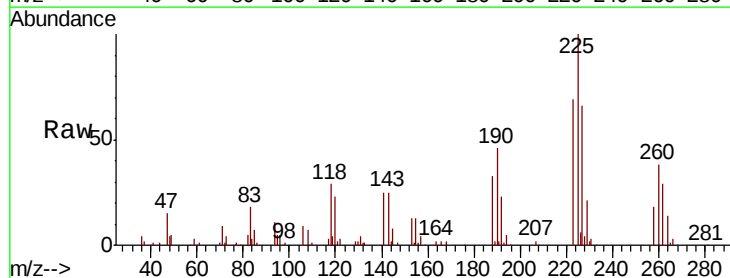
Instrument :
 MSVOA_W
 ClientSampleId :

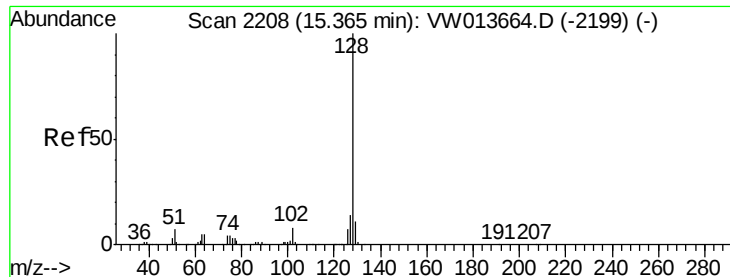
Tot Ion:180 Resp: 85843
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.2
 145 27.8 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 20.869 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013762.D
 Acq: 28 Oct 2019 13:21

Tgt Ion:225 Resp: 58737
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.9 95.9
 227 65.0 32.5 97.4

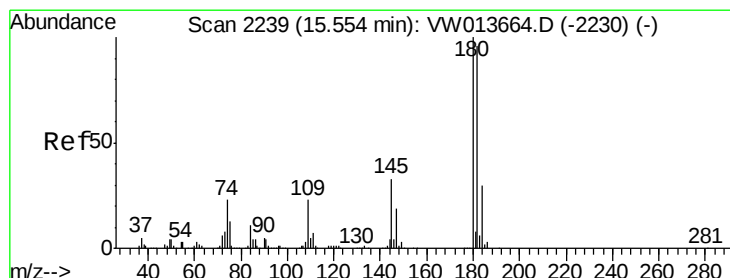
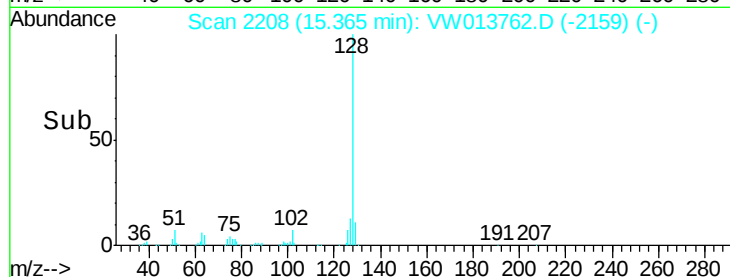
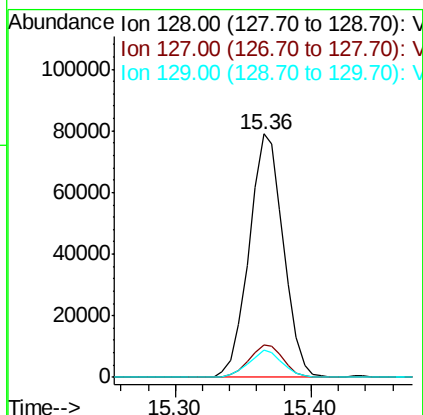
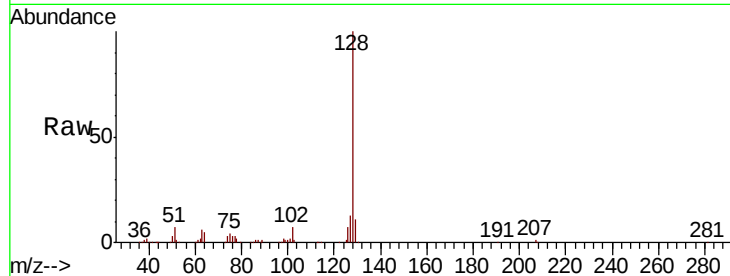




#95
Naphthalene
Concen: 21.306 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 139274
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.970 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013762.D
Acq: 28 Oct 2019 13:21

Tgt Ion:180 Resp: 75335
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.3
145 29.8 14.9 44.9

