

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013684.D
 Acq On : 23 Oct 2019 22:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:28:52 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	310346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190393	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127842	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	126729	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.32	98	524705	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.62	95	176551	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	66753	40.828	ug/l	95
3) Chloromethane	2.21	50	76062	43.287	ug/l	99
4) Vinyl Chloride	2.37	62	127846	48.178	ug/l	99
5) Bromomethane	2.78	94	82576	47.315	ug/l	99
6) Chloroethane	2.92	64	78064	48.617	ug/l	100
7) Trichlorofluoromethane	3.26	101	81433	49.130	ug/l	99
8) Diethyl Ether	3.68	74	68204	50.932	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	130752	48.525	ug/l	97
10) Methyl Iodide	4.28	142	215297	49.033	ug/l	100
11) Tert butyl alcohol	5.20	59	37433	269.336	ug/l	99
12) 1,1-Dichloroethene	4.04	96	135609	48.722	ug/l	97
13) Acrolein	3.89	56	42662	267.932	ug/l	99
14) Allyl chloride	4.67	41	211828	49.495	ug/l	99
15) Acrylonitrile	5.37	53	150217	275.874	ug/l	99
16) Acetone	4.13	43	125605	254.451	ug/l	93
17) Carbon Disulfide	4.39	76	395783	49.514	ug/l	98
18) Methyl Acetate	4.67	43	77378	57.183	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	179820	53.838	ug/l	98
20) Methylene Chloride	4.92	84	140992	52.114	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	148320	49.511	ug/l	99
22) Diisopropyl ether	6.31	45	393008	50.341	ug/l	96
23) Vinyl Acetate	6.26	43	1173855	259.138	ug/l	100
24) 1,1-Dichloroethane	6.21	63	242373	49.021	ug/l	99
25) 2-Butanone	7.17	43	189951	267.654	ug/l	98
26) 2,2-Dichloropropane	7.16	77	135333	47.335	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	156956	49.328	ug/l	98
28) Bromochloromethane	7.51	49	92504	52.445	ug/l #	7
29) Tetrahydrofuran	7.53	42	123463	281.000	ug/l	100
30) Chloroform	7.68	83	238690	48.836	ug/l	97
31) Cyclohexane	7.96	56	246036	47.550	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	195792	51.047	ug/l	99
36) 1,1-Dichloropropene	8.09	75	203544	49.632	ug/l	98
37) Ethyl Acetate	7.25	43	84567	53.869	ug/l	99
38) Carbon Tetrachloride	8.07	117	186144	50.404	ug/l	97

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 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)
39) Methylcyclohexane	9.34	83	268947	50.782	ug/l	99
40) Benzene	8.32	78	573334	49.400	ug/l	99
41) Methacrylonitrile	7.48	41	48769	49.817	ug/l	96
42) 1,2-Dichloroethane	8.40	62	148606	50.812	ug/l	98
43) Isopropyl Acetate	8.43	43	160412	53.382	ug/l	100
44) Trichloroethene	9.09	130	161805	48.670	ug/l	98
45) 1,2-Dichloropropane	9.37	63	136885	49.378	ug/l	99
46) Dibromomethane	9.46	93	69734	51.828	ug/l	98
47) Bromodichloromethane	9.65	83	174875	50.232	ug/l	97
48) Methyl methacrylate	9.43	41	82108	55.100	ug/l	99
49) 1,4-Dioxane	9.46	88	22175	1115.314	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	411183	275.368	ug/l	99
52) Toluene	10.39	92	366503	48.956	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	179042	50.802	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	215759	49.621	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102989	51.360	ug/l	98
56) Ethyl methacrylate	10.65	69	135776	54.120	ug/l	99
57) 1,3-Dichloropropane	10.93	76	176972	51.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	335709	290.748	ug/l	99
59) 2-Hexanone	10.97	43	282932	274.848	ug/l	98
60) Dibromochloromethane	11.13	129	122809	51.582	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99834	52.625	ug/l	99
64) Tetrachloroethene	10.86	164	150460	52.153	ug/l	99
65) Chlorobenzene	11.66	112	381597	49.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	134711	49.746	ug/l	99
67) Ethyl Benzene	11.73	91	697155	49.828	ug/l	99
68) m/p-Xylenes	11.84	106	535512	99.067	ug/l	98
69) o-Xylene	12.16	106	245287	49.367	ug/l	100
70) Styrene	12.18	104	436312	51.110	ug/l	99
71) Bromoform	12.35	173	75897	53.408	ug/l #	98
73) Isopropylbenzene	12.46	105	698189	51.064	ug/l	99
74) N-amyl acetate	12.27	43	146303	55.315	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114852	53.231	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	145036	106.076	ug/l #	100
77) Bromobenzene	12.74	156	162555	49.768	ug/l	98
78) n-propylbenzene	12.80	91	795694	50.280	ug/l	100
79) 2-Chlorotoluene	12.89	91	450627	50.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	577464	50.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38585	53.332	ug/l	99
82) 4-Chlorotoluene	12.99	91	459125	49.175	ug/l	99
83) tert-Butylbenzene	13.21	119	518505	50.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	571233	50.172	ug/l	99
85) sec-Butylbenzene	13.38	105	709556	50.646	ug/l	99
86) p-Isopropyltoluene	13.50	119	654688	50.166	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	313274	49.503	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	304578	48.446	ug/l	99
89) n-Butylbenzene	13.82	91	587987	49.915	ug/l	100
90) Hexachloroethane	14.09	117	113662	50.107	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	276020	50.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17450	53.484	ug/l	97

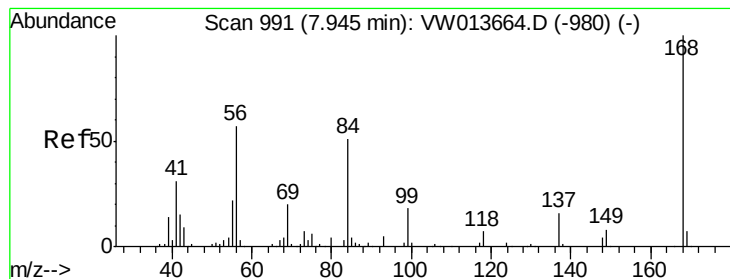
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	195130	48.864	ug/l	99
94) Hexachlorobutadiene	15.24	225	129957	48.206	ug/l	99
95) Naphthalene	15.36	128	343224	54.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	171938	49.968	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

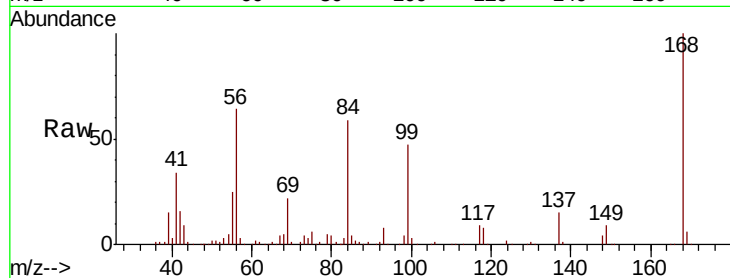
ClientSampleId :

Tot Ion:168 Resp: 310346

Ion Ratio Lower Upper

168 100

99 47.1 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

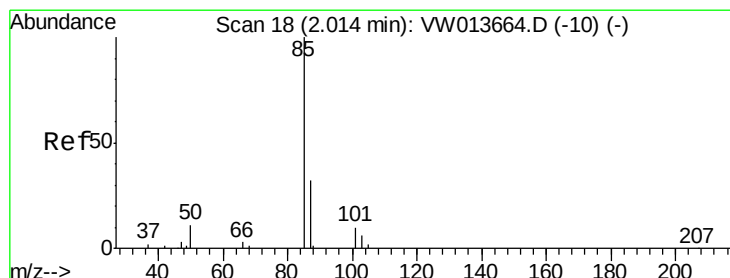
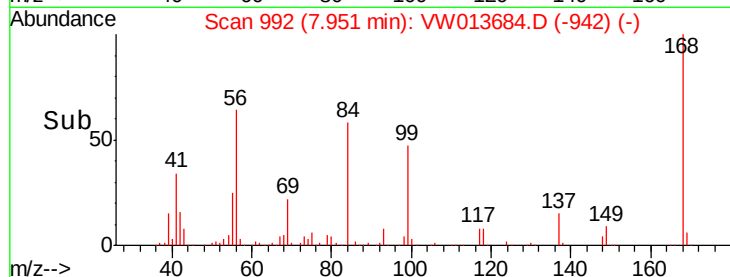
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 40.828 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013684.D

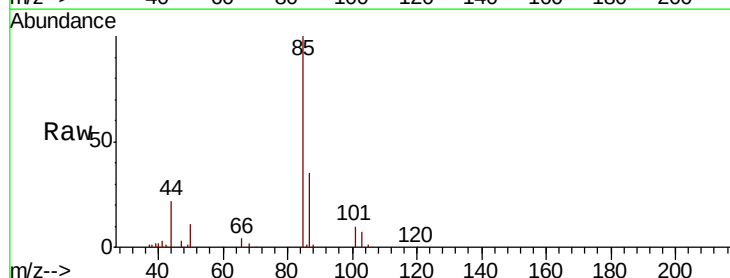
Acq: 23 Oct 2019 22:43

Tgt Ion: 85 Resp: 66753

Ion Ratio Lower Upper

85 100

87 34.7 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

25000

20000

15000

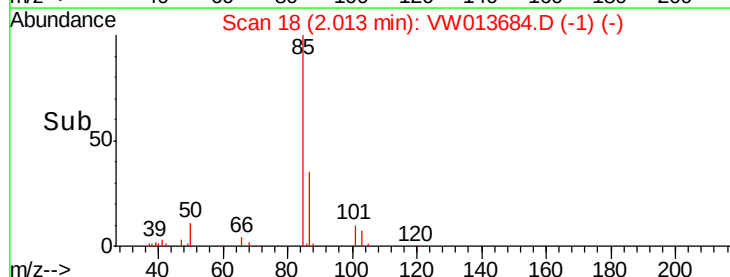
10000

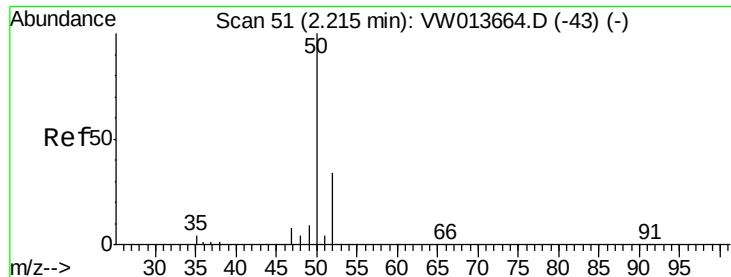
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 43.287 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

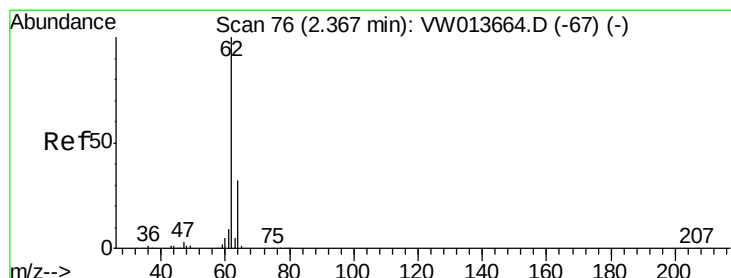
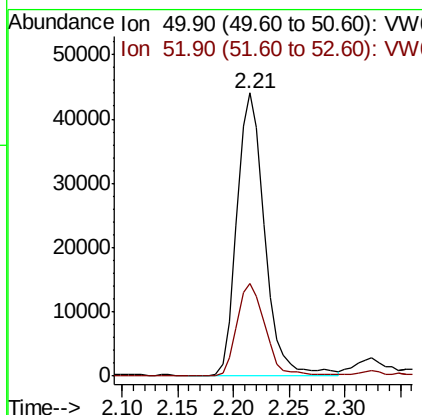
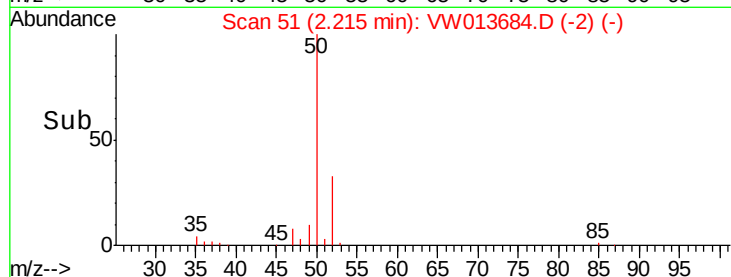
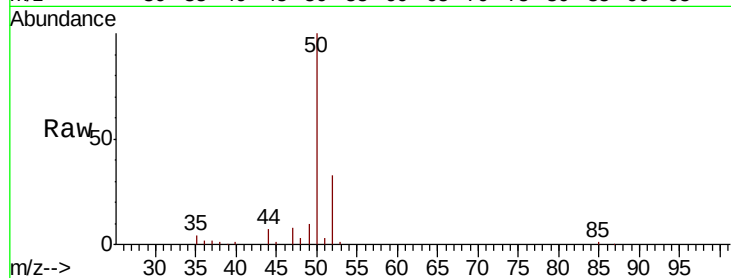
ClientSampled :

Tot Ion: 50 Resp: 76062

Ion Ratio Lower Upper

50 100

52 32.9 26.9 40.3



#4

Vinyl Chloride

Concen: 48.178 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013684.D

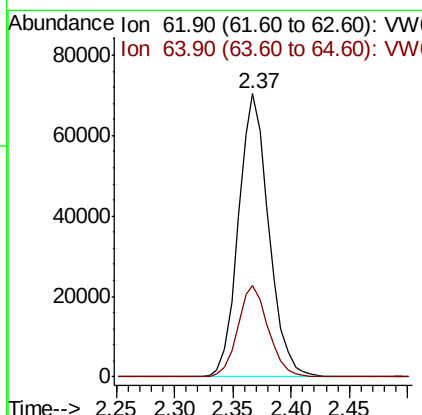
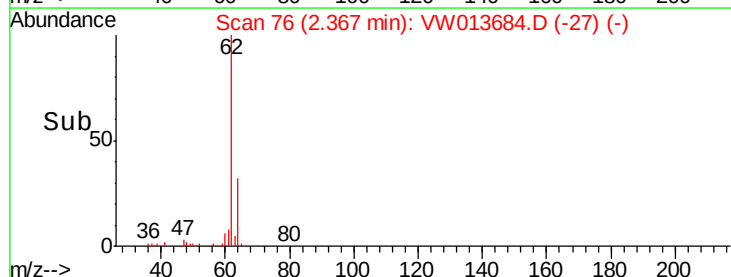
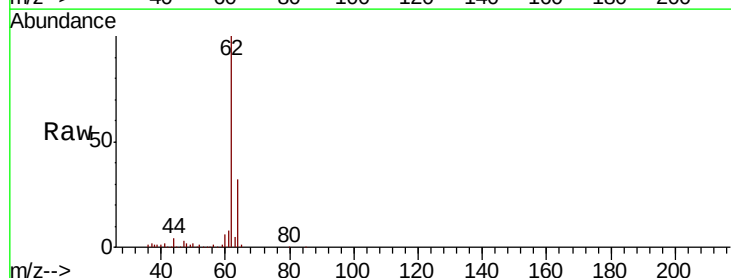
Acq: 23 Oct 2019 22:43

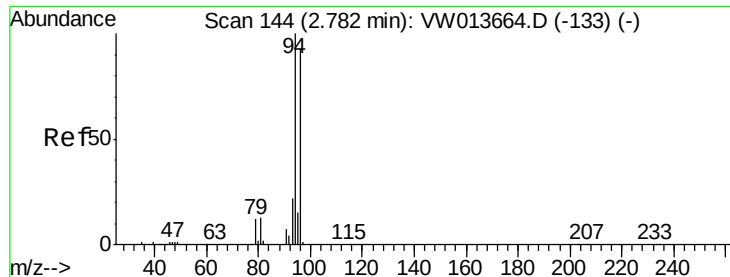
Tgt Ion: 62 Resp: 127846

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 47.315 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

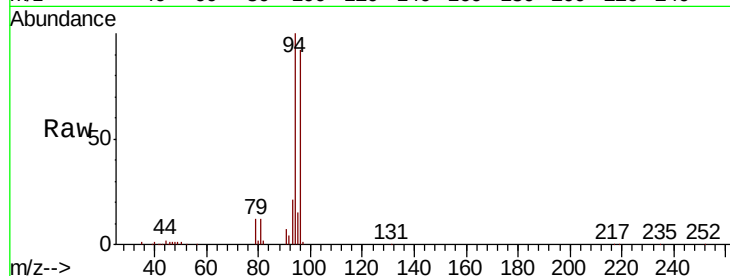
ClientSampleId :

Tot Ion: 94 Resp: 82576

Ion Ratio Lower Upper

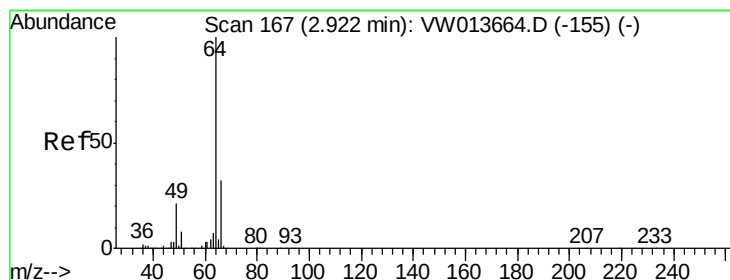
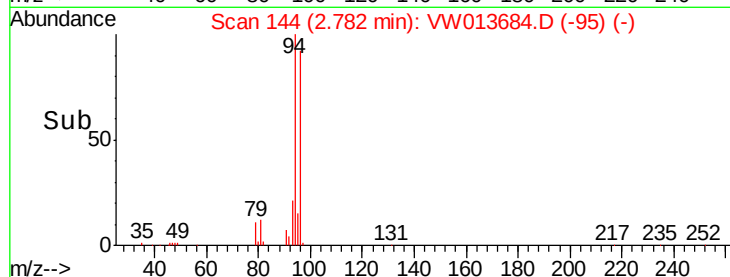
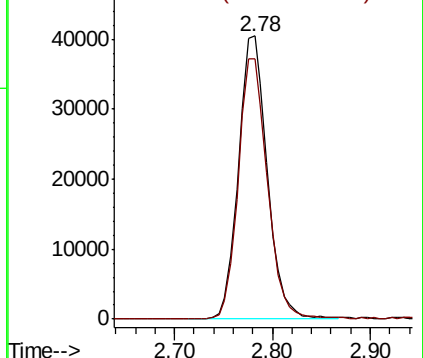
94 100

96 91.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.617 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013684.D

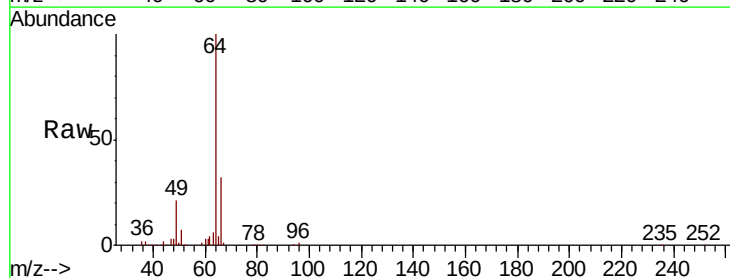
Acq: 23 Oct 2019 22:43

Tgt Ion: 64 Resp: 78064

Ion Ratio Lower Upper

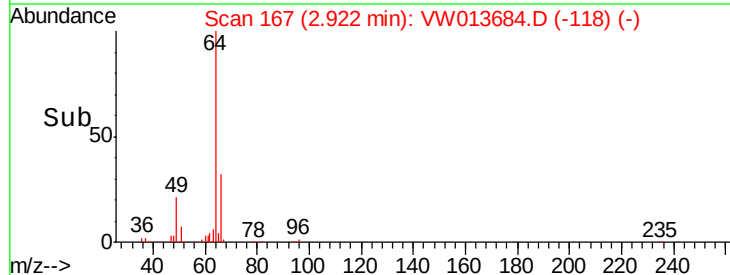
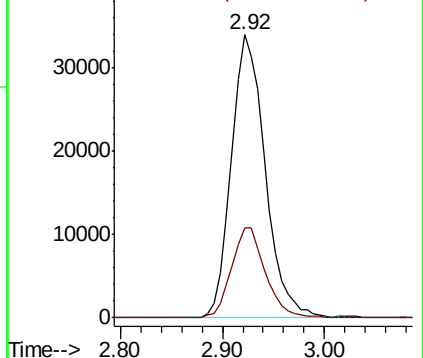
64 100

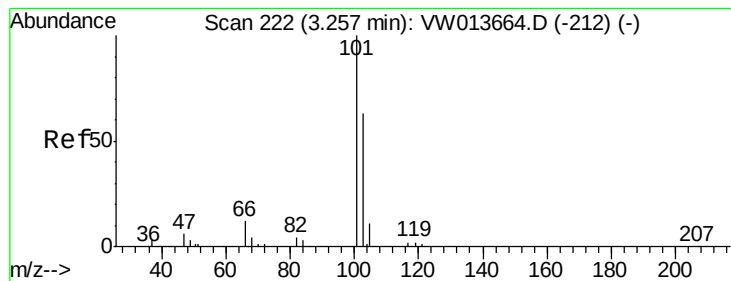
66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



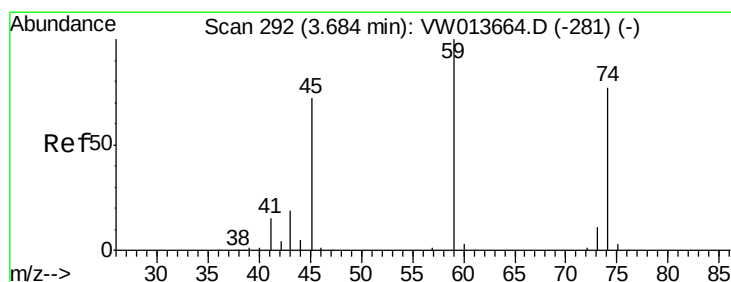
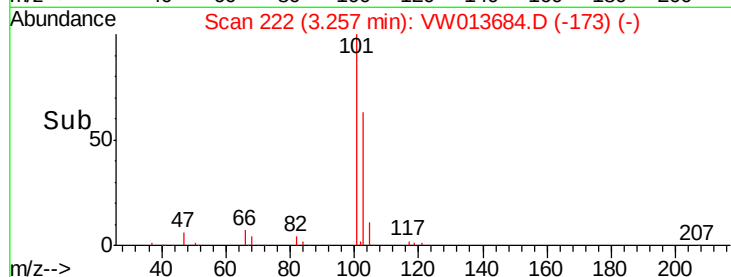
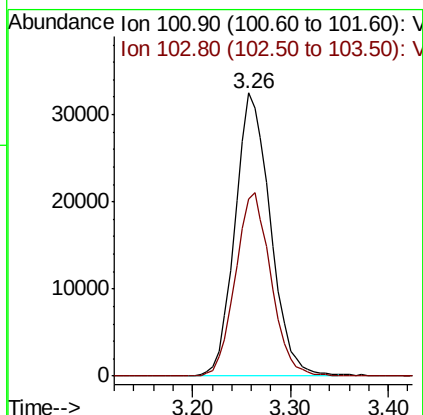
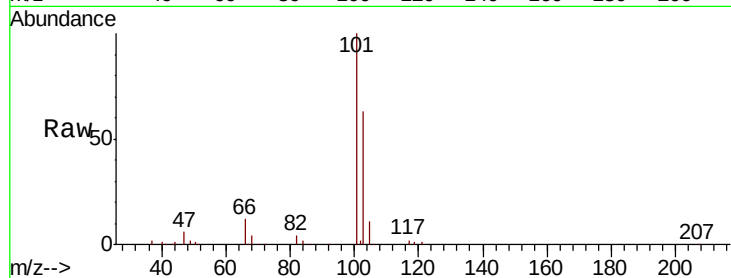


#7

Trichlorofluoromethane
 Concen: 49.130 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :

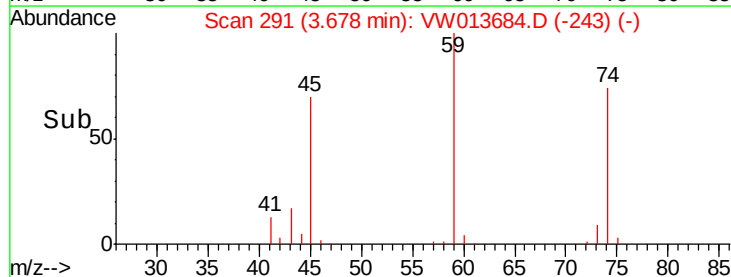
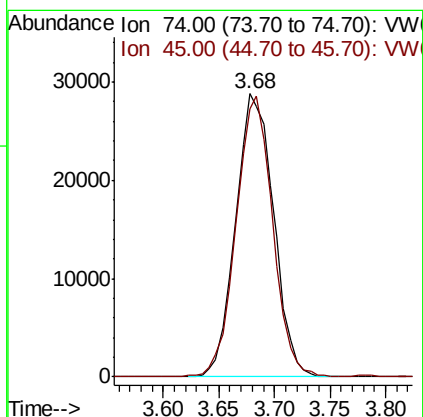
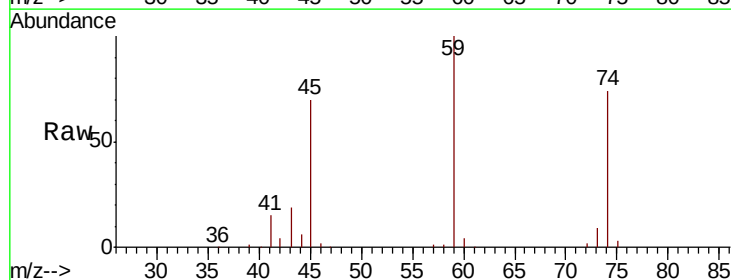
Tot Ion:101 Resp: 81433
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.6 76.0

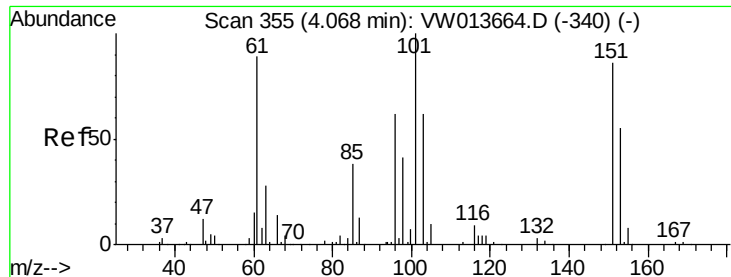


#8

Diethyl Ether
 Concen: 50.932 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 74 Resp: 68204
 Ion Ratio Lower Upper
 74 100
 45 95.4 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.525 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

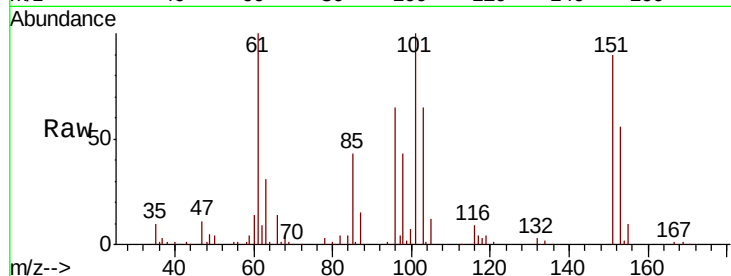
Tot Ion:101 Resp: 130752

Ion Ratio Lower Upper

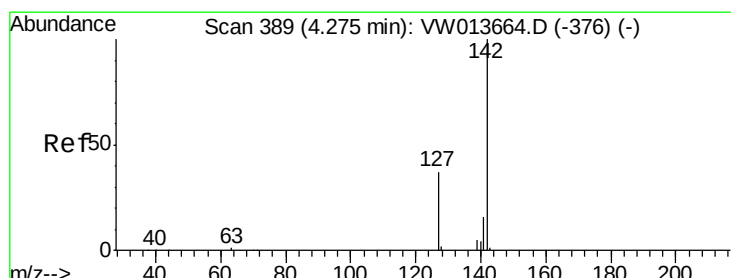
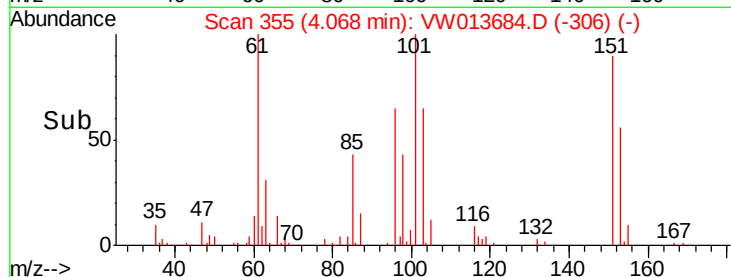
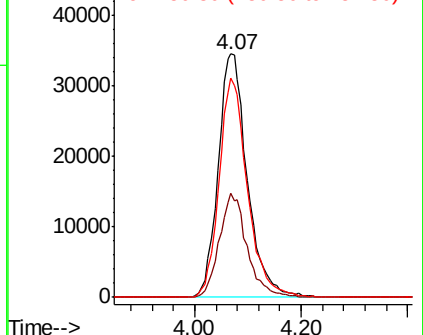
101 100

85 40.8 31.0 46.6

151 88.2 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.033 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

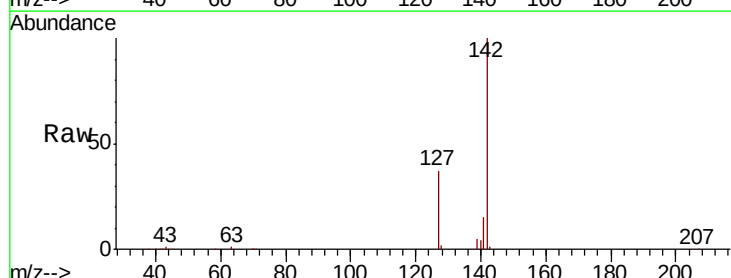
Tgt Ion:142 Resp: 215297

Ion Ratio Lower Upper

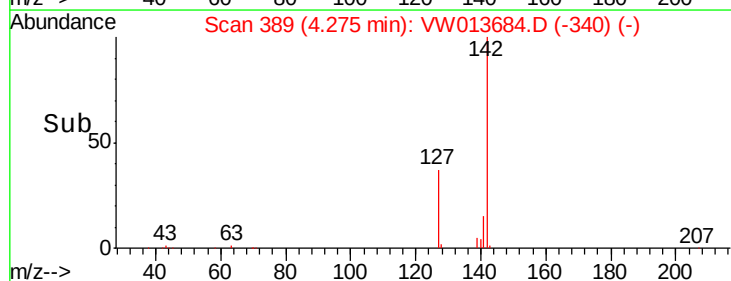
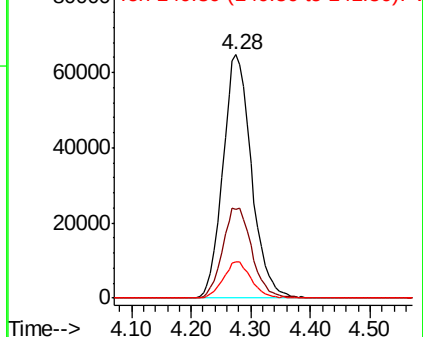
142 100

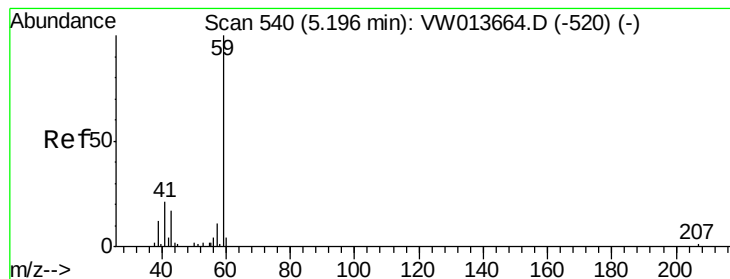
127 38.0 30.3 45.5

141 14.7 11.8 17.8



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



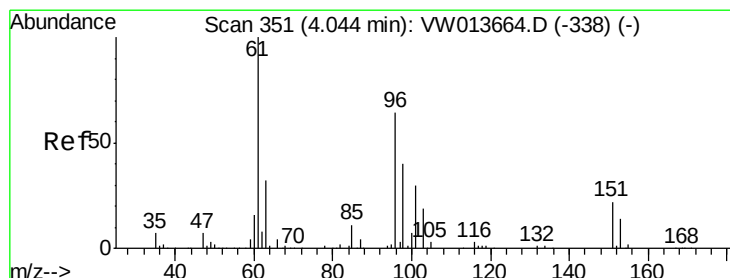
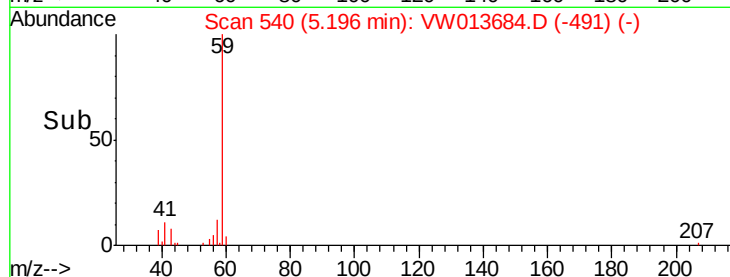
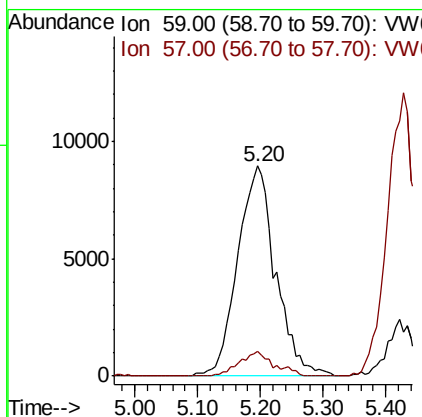
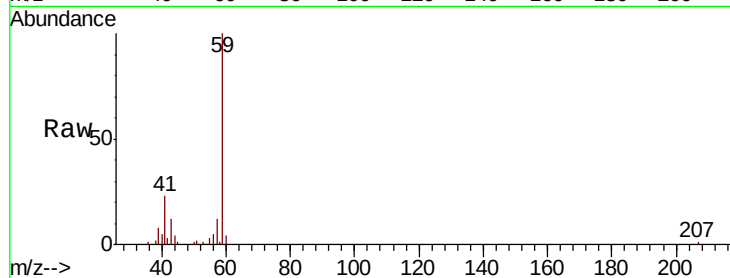


#11

Tert butyl alcohol
Concen: 269.336 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampled :

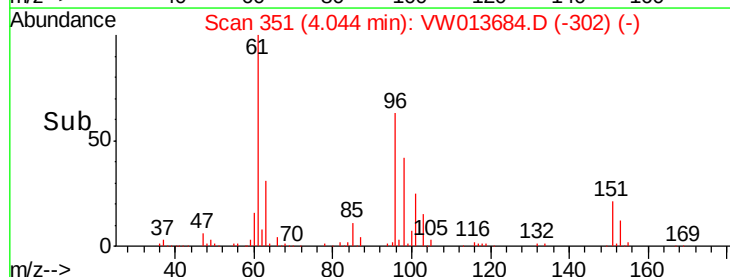
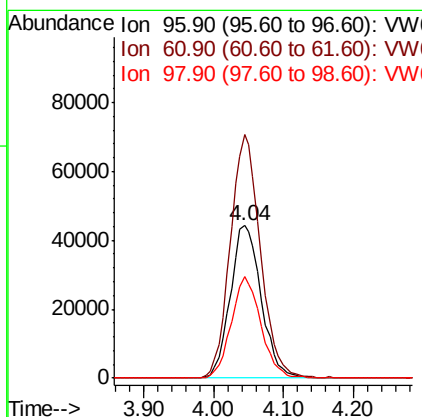
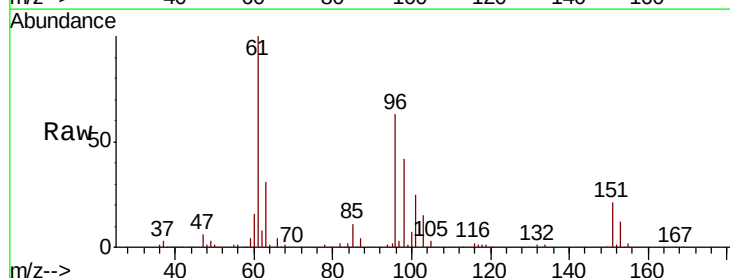
Tot Ion: 59 Resp: 37433
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

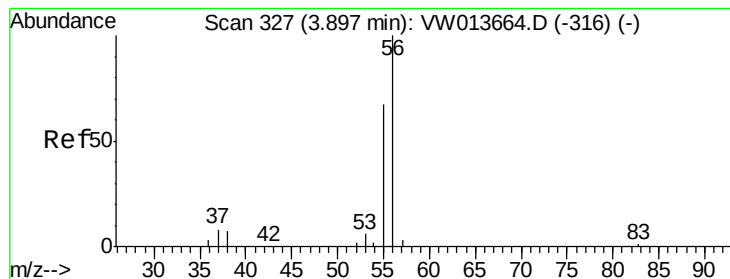


#12

1,1-Dichloroethene
Concen: 48.722 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 96 Resp: 135609
Ion Ratio Lower Upper
96 100
61 159.9 125.0 187.6
98 66.5 50.3 75.5





#13

Acrolein

Concen: 267.932 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

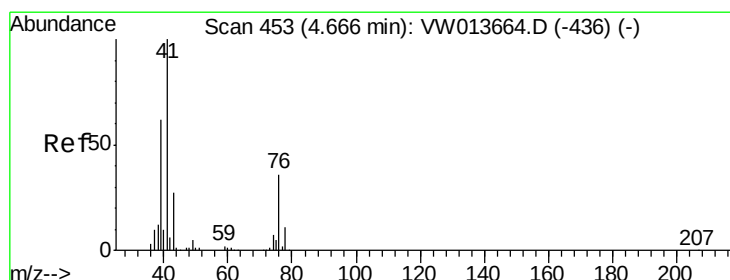
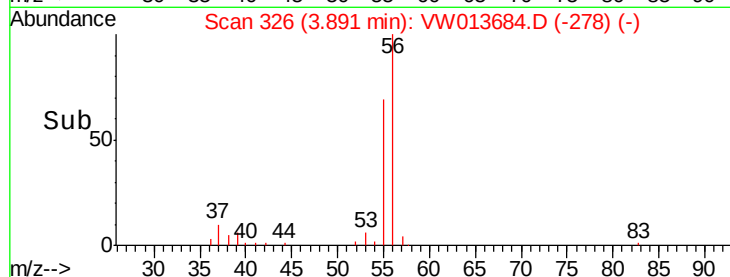
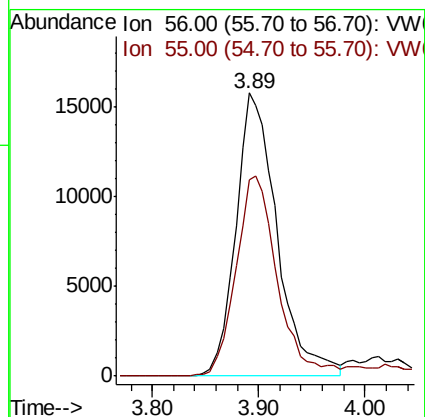
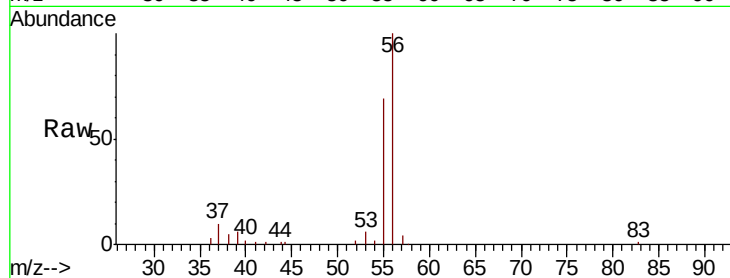
ClientSampleId :

Tot Ion: 56 Resp: 42662

Ion Ratio Lower Upper

56 100

55 71.0 56.1 84.1



#14

Allyl chloride

Concen: 49.495 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

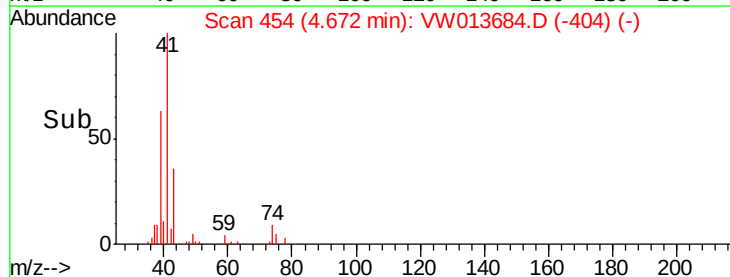
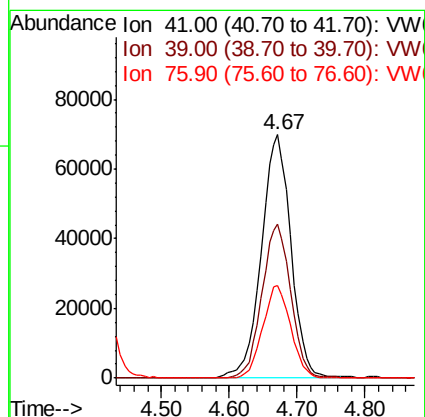
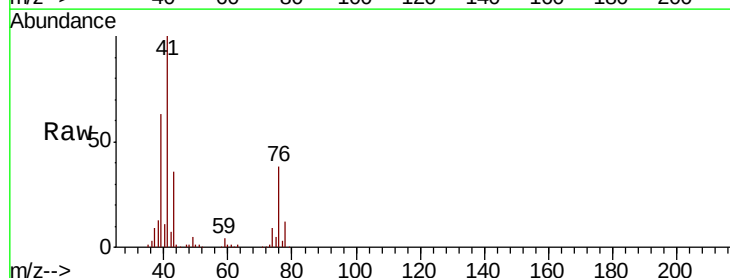
Tgt Ion: 41 Resp: 211828

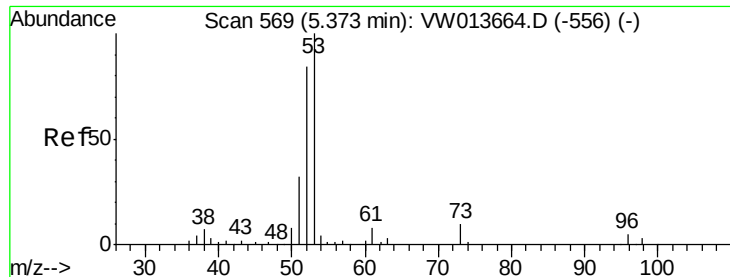
Ion Ratio Lower Upper

41 100

39 62.0 50.0 75.0

76 36.1 29.6 44.4





#15

Acrylonitrile

Concen: 275.874 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

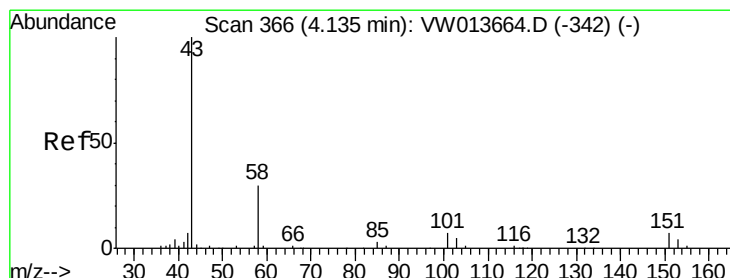
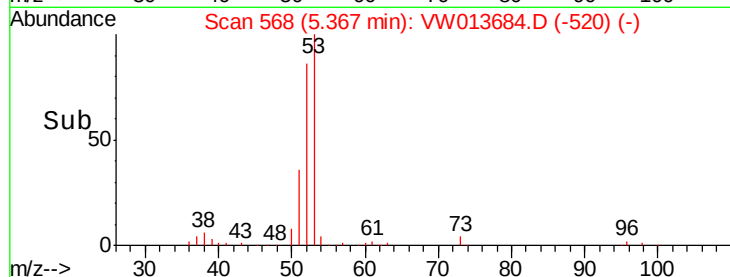
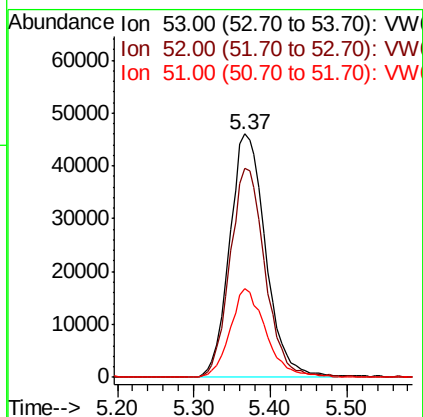
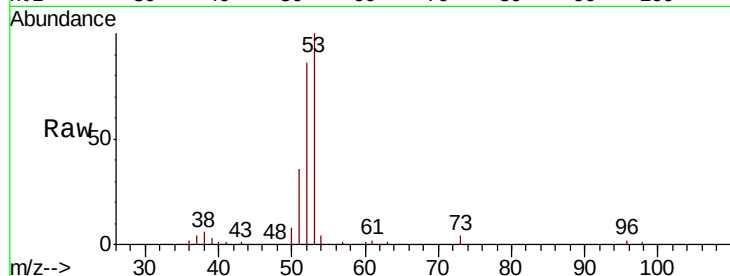
Tot Ion: 53 Resp: 150217

Ion Ratio Lower Upper

53 100

52 83.3 67.4 101.0

51 36.2 29.1 43.7



#16

Acetone

Concen: 254.451 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013684.D

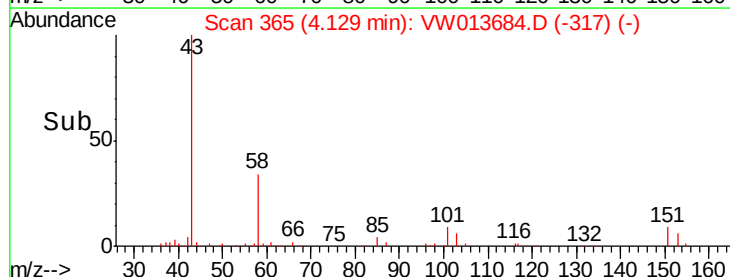
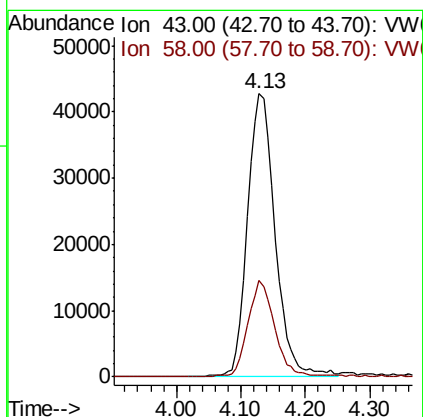
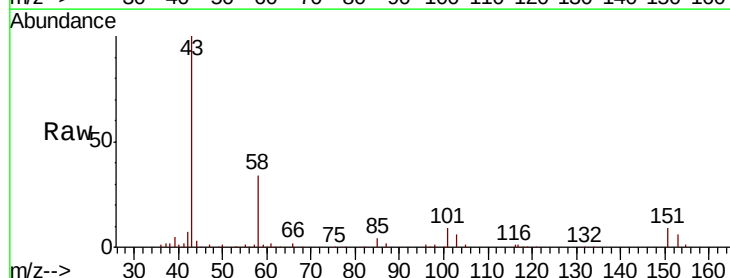
Acq: 23 Oct 2019 22:43

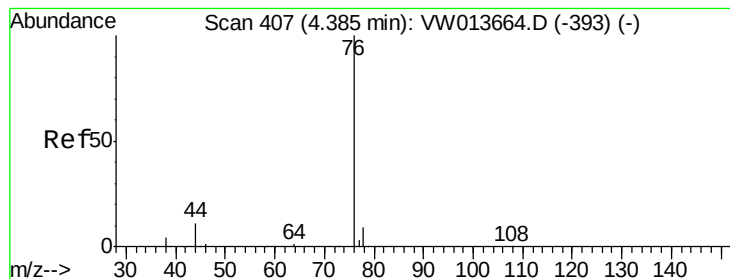
Tgt Ion: 43 Resp: 125605

Ion Ratio Lower Upper

43 100

58 33.9 24.1 36.1





#17

Carbon Disulfide

Concen: 49.514 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

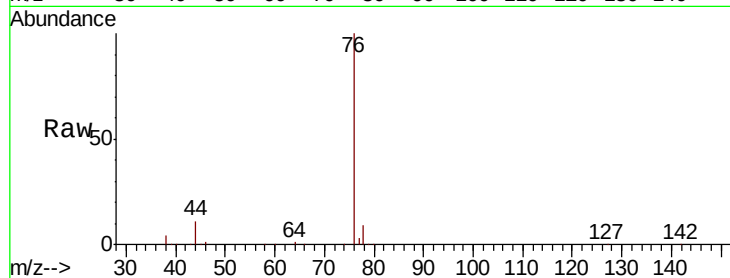
ClientSampled :

Tot Ion: 76 Resp: 395783

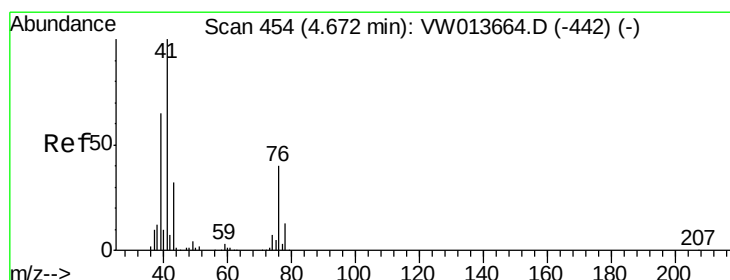
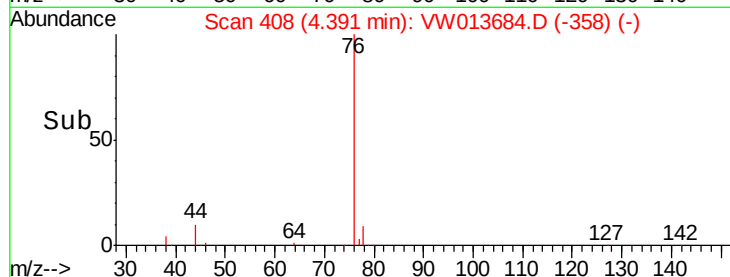
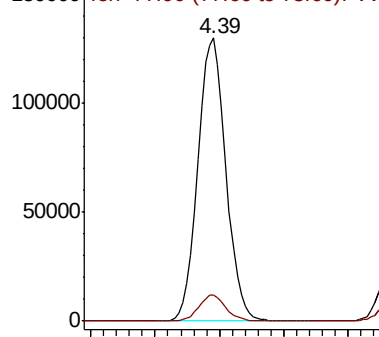
Ion Ratio Lower Upper

76 100

78 9.4 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: 57.183 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013684.D

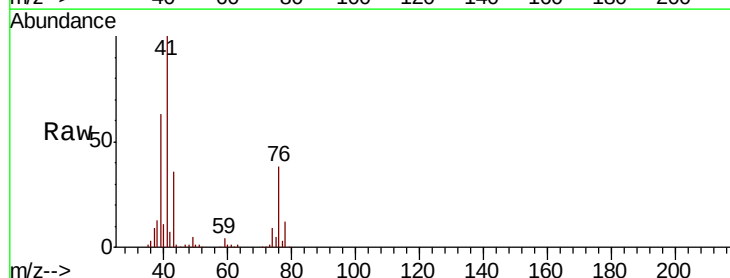
Acq: 23 Oct 2019 22:43

Tgt Ion: 43 Resp: 77378

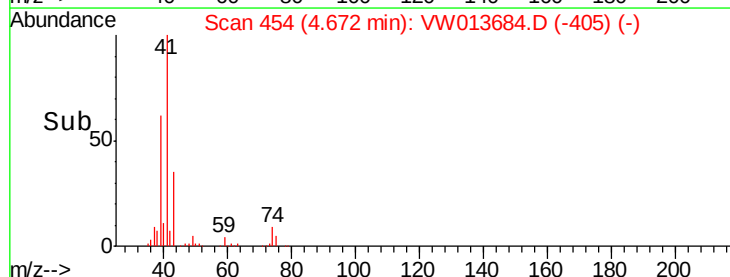
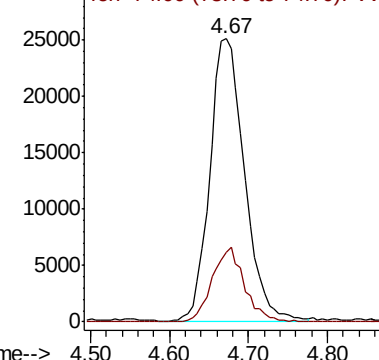
Ion Ratio Lower Upper

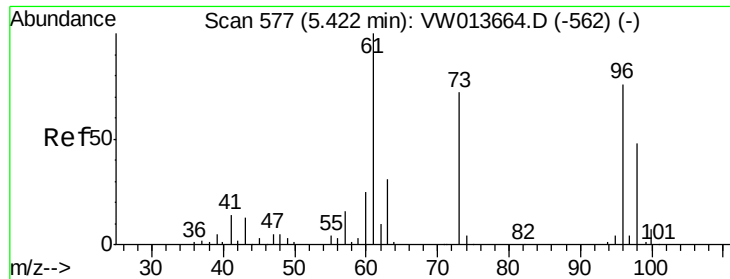
43 100

74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

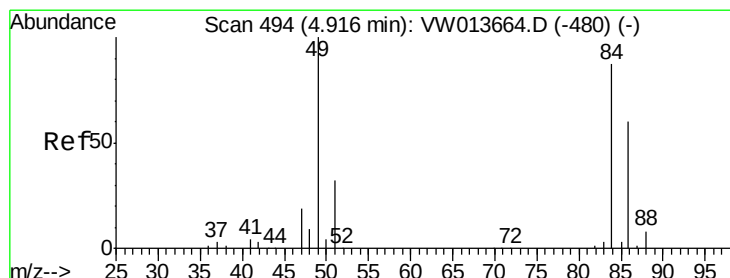
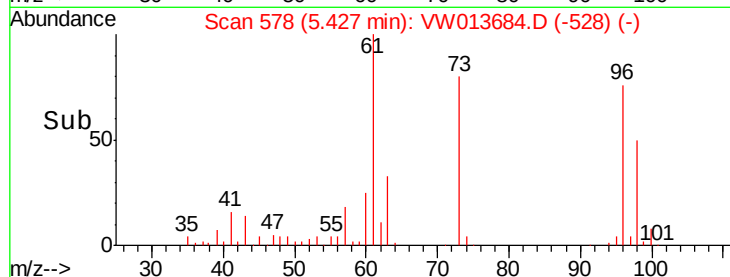
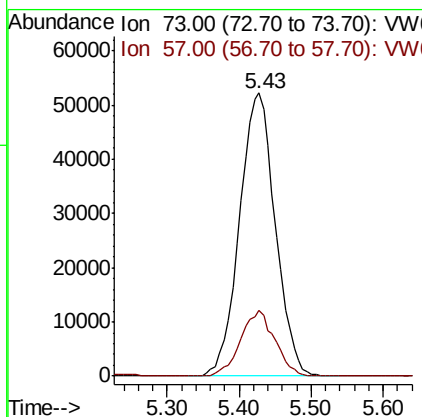
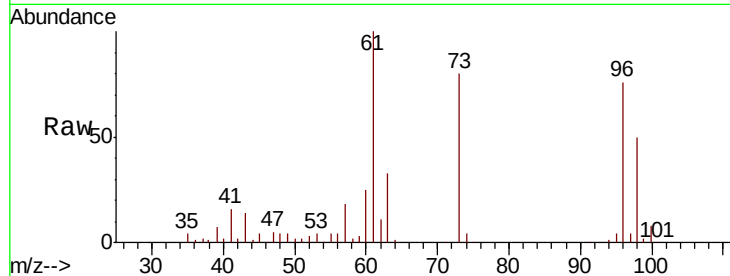




#19
Methyl tert-butyl Ether
Concen: 53.838 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

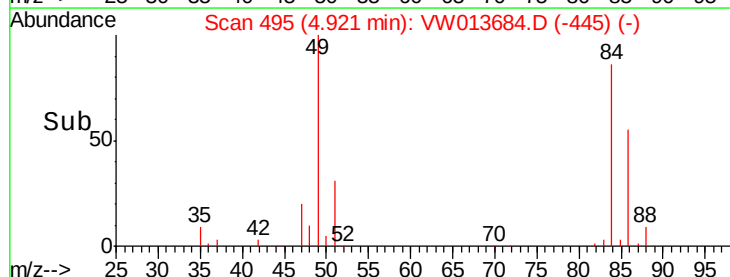
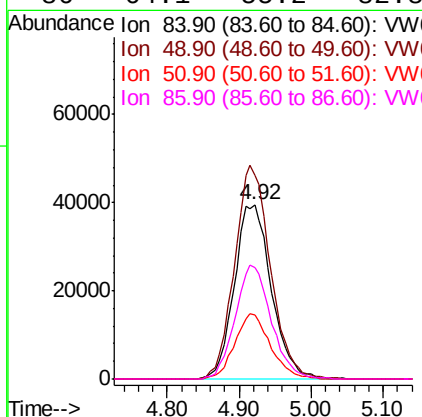
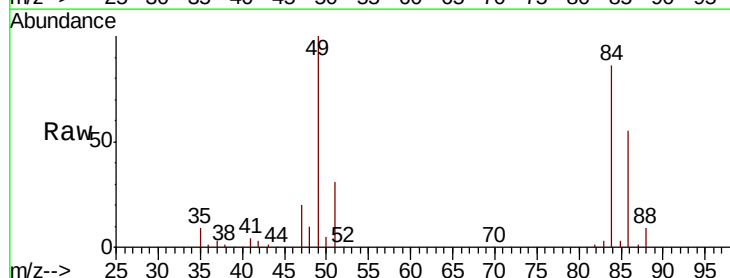
Instrument :
MSVOA_W
ClientSampled :

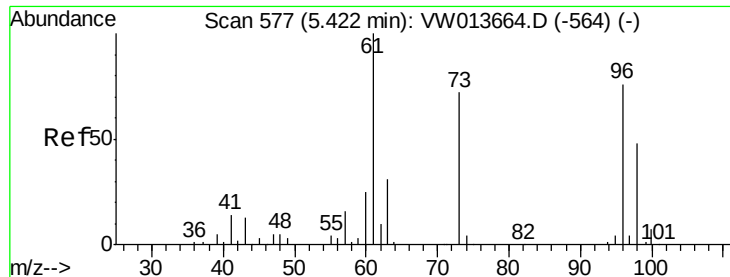
Tot Ion: 73 Resp: 179820
Ion Ratio Lower Upper
73 100
57 23.1 17.6 26.4



#20
Methylene Chloride
Concen: 52.114 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 84 Resp: 140992
Ion Ratio Lower Upper
84 100
49 116.9 91.8 137.6
51 36.6 29.8 44.6
86 64.1 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 49.511 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampled :

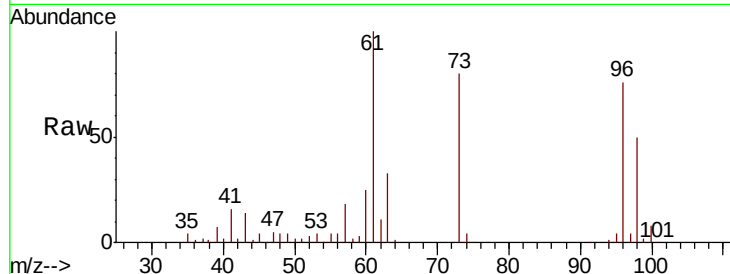
Tot Ion: 96 Resp: 148320

Ion Ratio Lower Upper

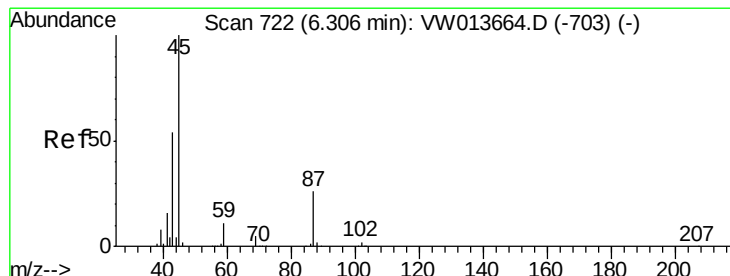
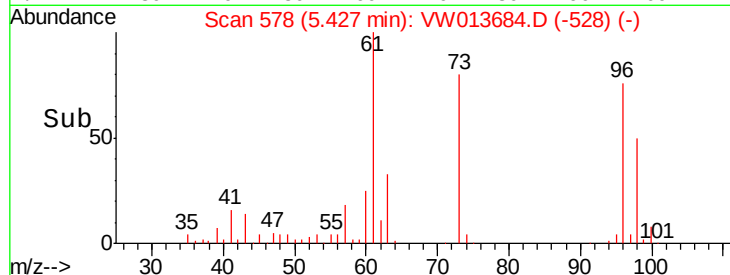
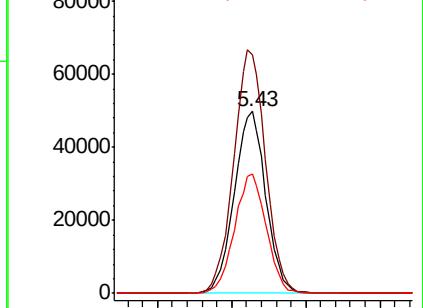
96 100

61 131.1 104.8 157.2

98 65.4 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: 50.341 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion: 45 Resp: 393008

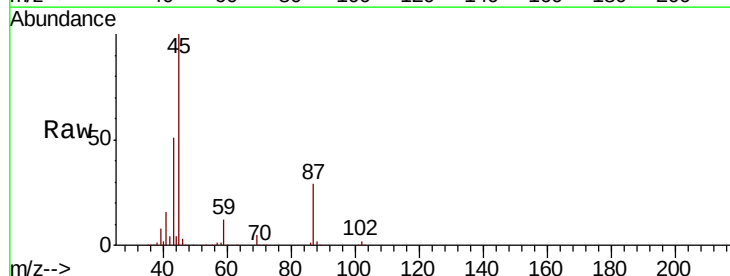
Ion Ratio Lower Upper

45 100

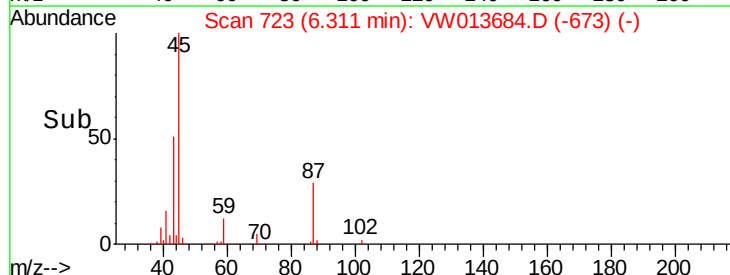
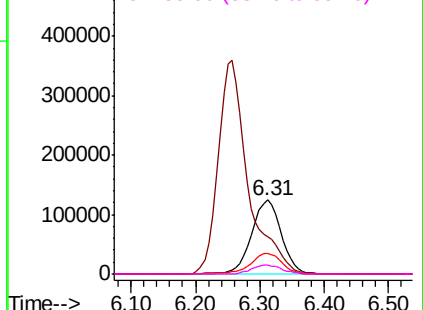
43 50.3 43.4 65.2

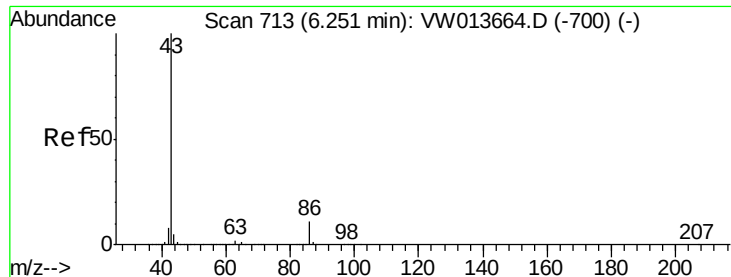
87 28.6 21.5 32.3

59 11.7 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: 259.138 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

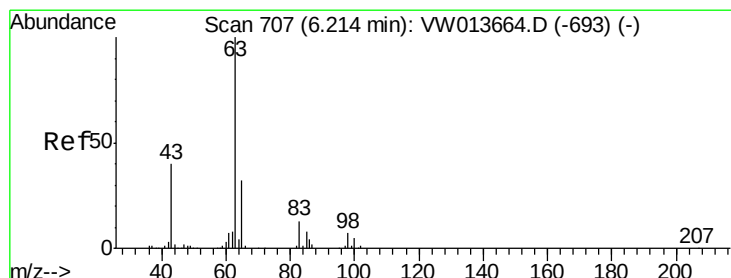
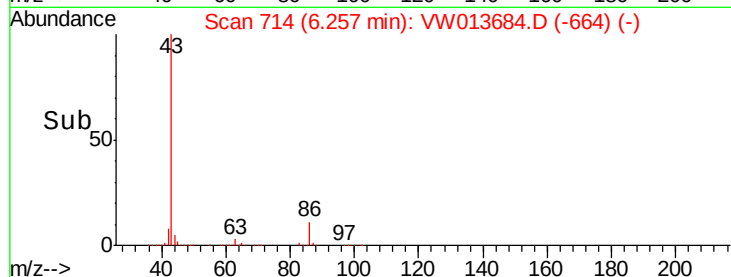
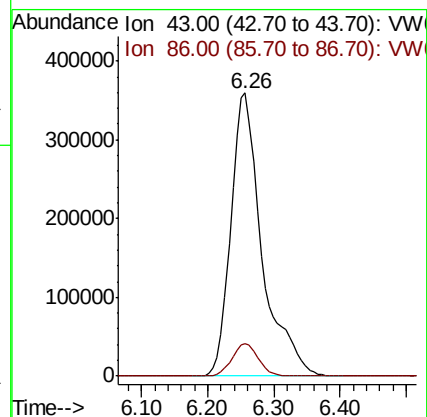
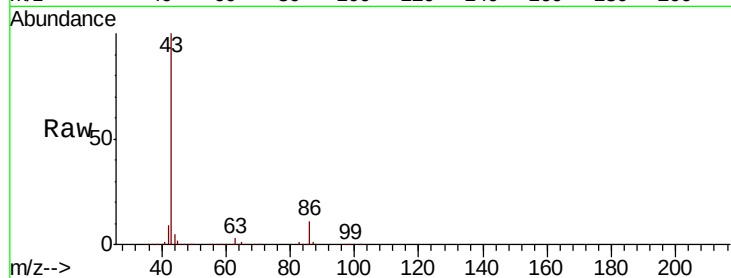
ClientSampleId :

Tot Ion: 43 Resp: 1173855

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 49.021 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

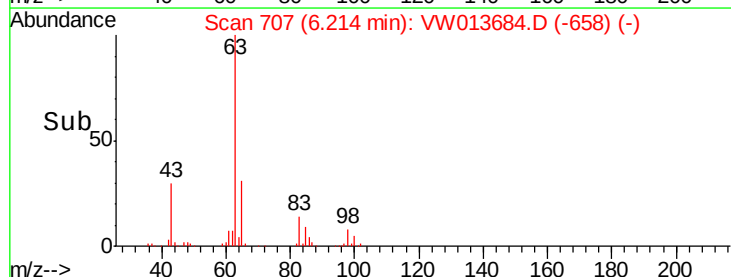
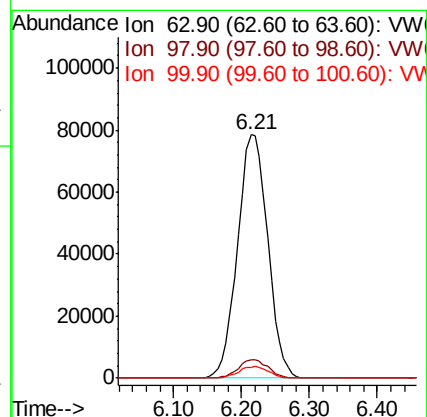
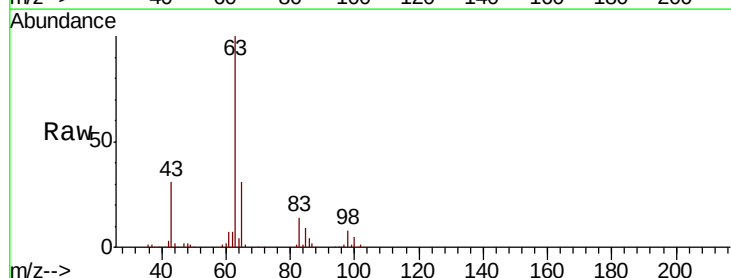
Tgt Ion: 63 Resp: 242373

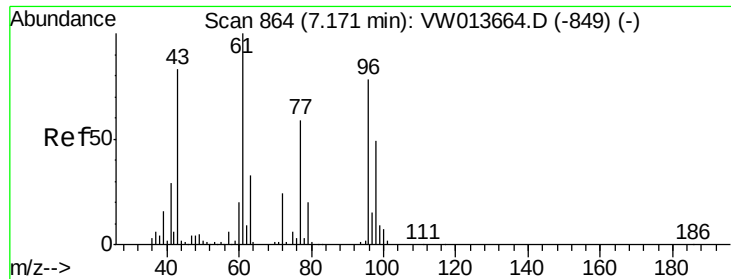
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 267.654 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

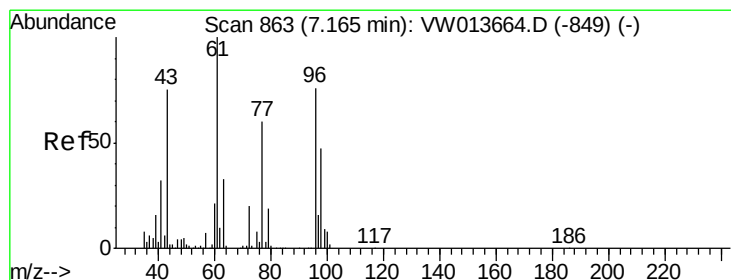
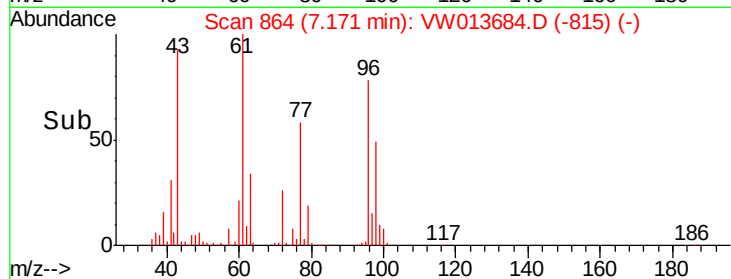
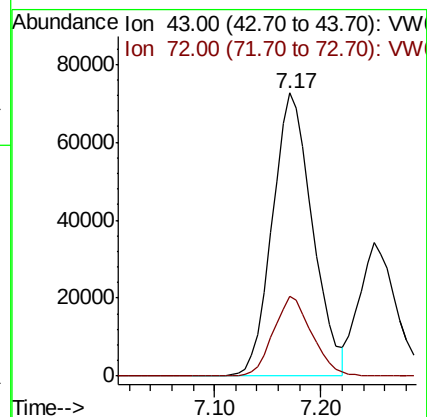
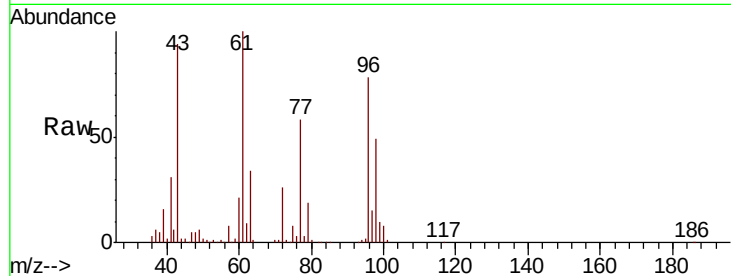
ClientSampled :

Tot Ion: 43 Resp: 189951

Ion Ratio Lower Upper

43 100

72 28.3 23.6 35.4



#26

2,2-Dichloropropane

Concen: 47.335 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013684.D

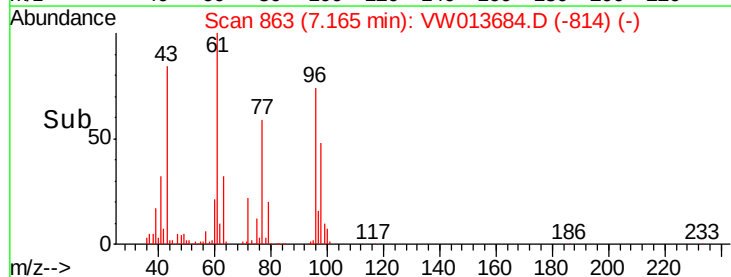
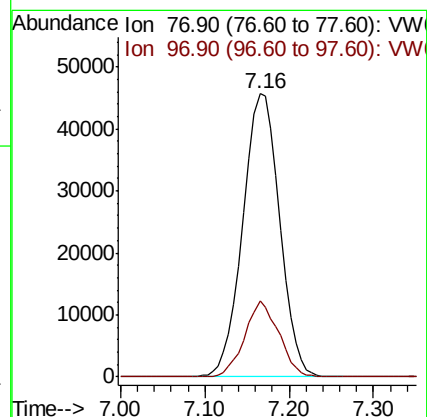
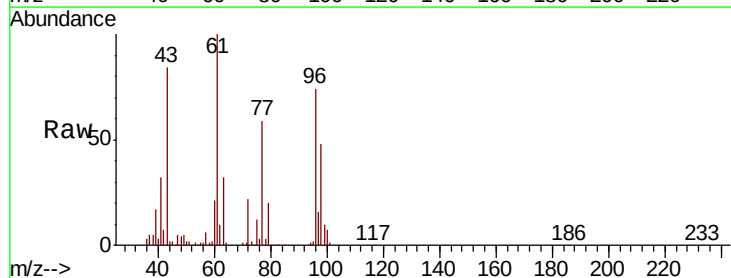
Acq: 23 Oct 2019 22:43

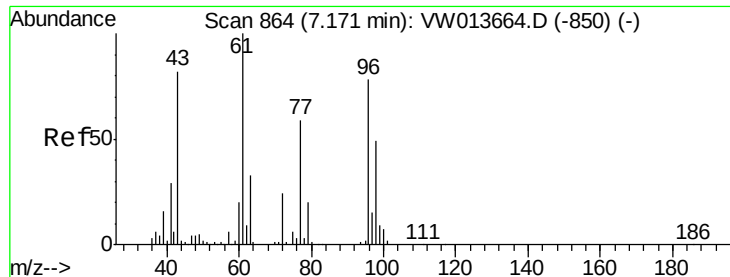
Tgt Ion: 77 Resp: 135333

Ion Ratio Lower Upper

77 100

97 24.8 12.8 38.4



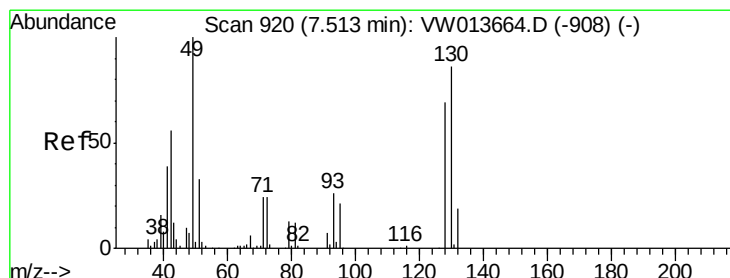
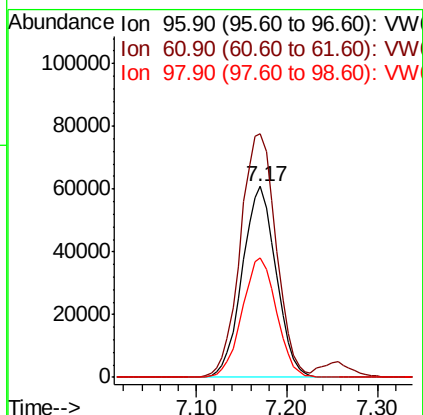
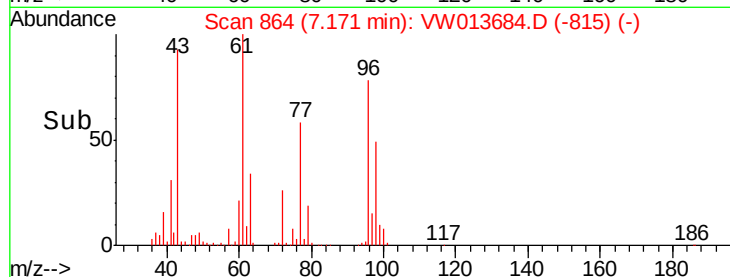
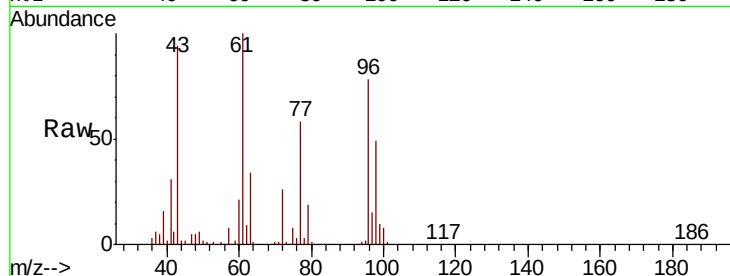


#27

cis-1,2-Dichloroethene
Concen: 49.328 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampled :

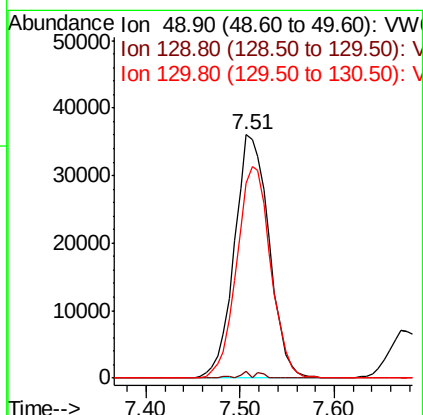
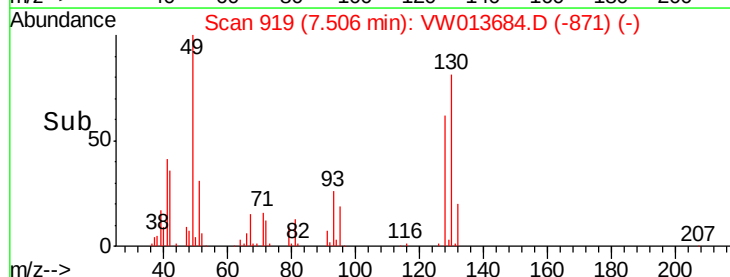
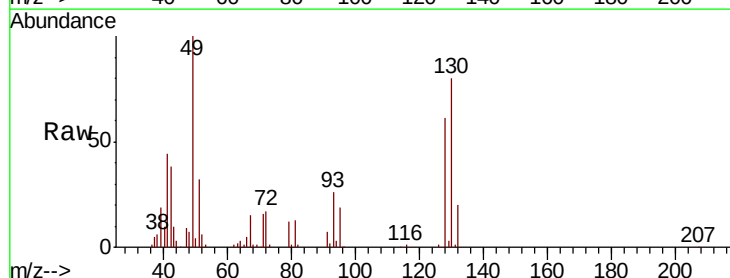
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	266.0
98	63.6	0.0	126.8

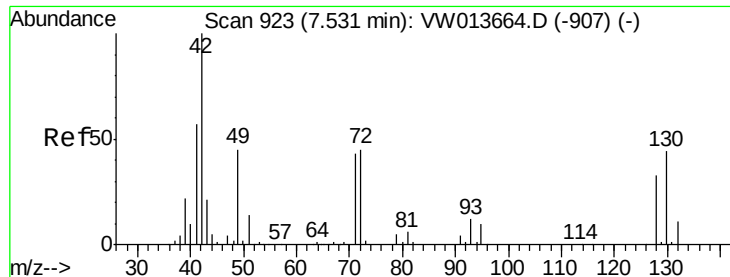


#28

Bromochloromethane
Concen: 52.445 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	0.6#
130	0.0	67.5	101.3#

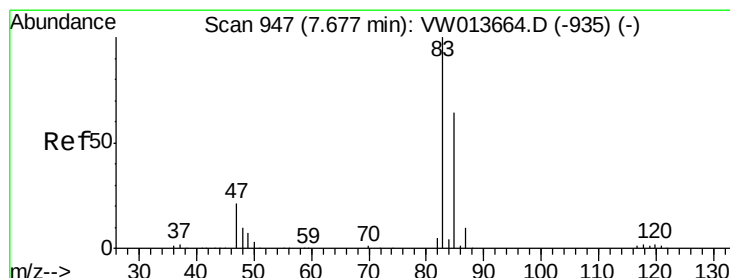
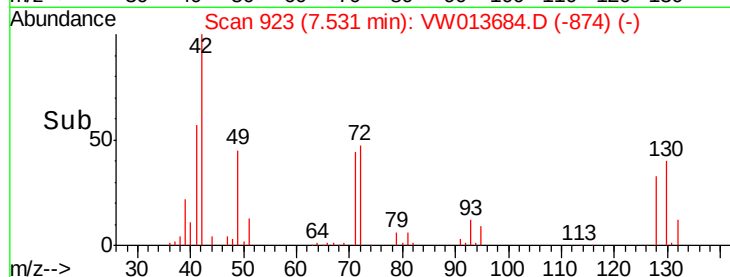
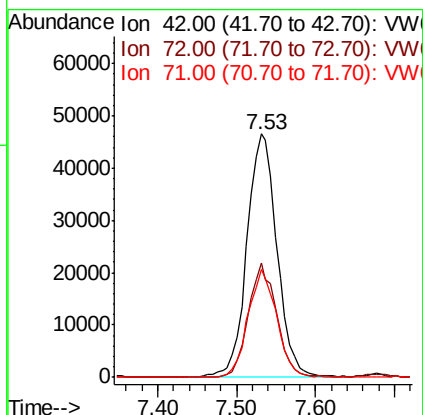
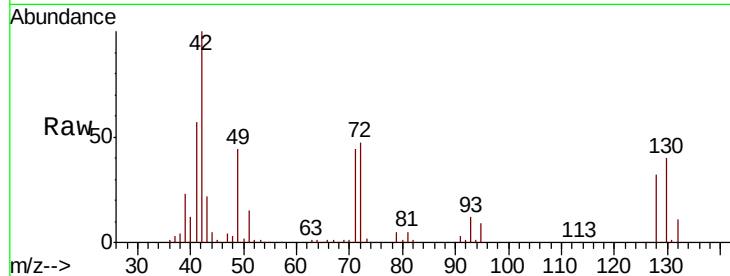




#29
Tetrahydrofuran
Concen: 281.000 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

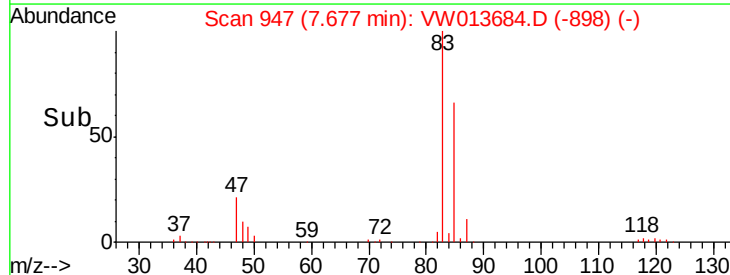
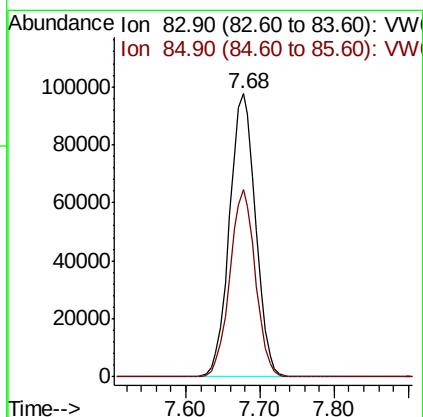
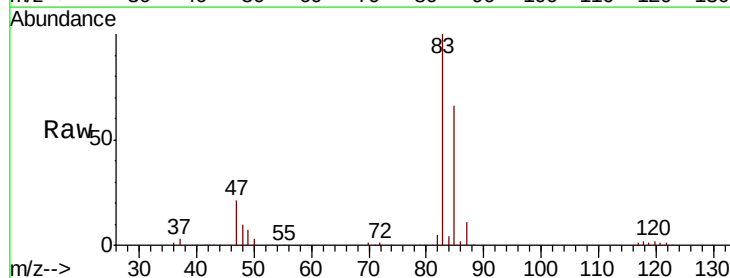
Instrument :
MSVOA_W
ClientSampled :

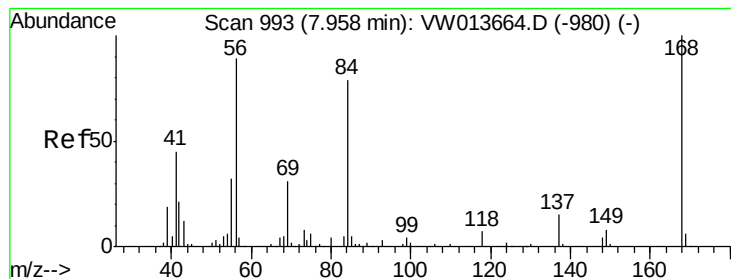
Tot Ion: 42 Resp: 123463
Ion Ratio Lower Upper
42 100
72 44.1 35.3 52.9
71 42.2 33.3 49.9



#30
Chloroform
Concen: 48.836 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 83 Resp: 238690
Ion Ratio Lower Upper
83 100
85 66.4 51.4 77.2

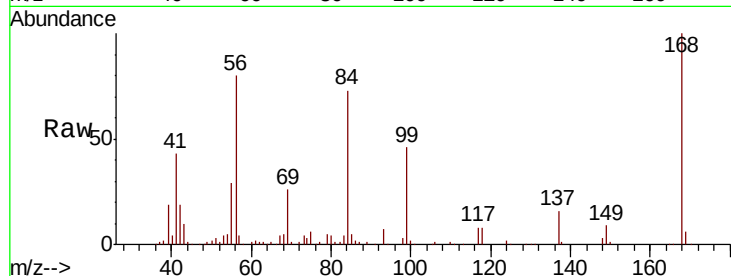




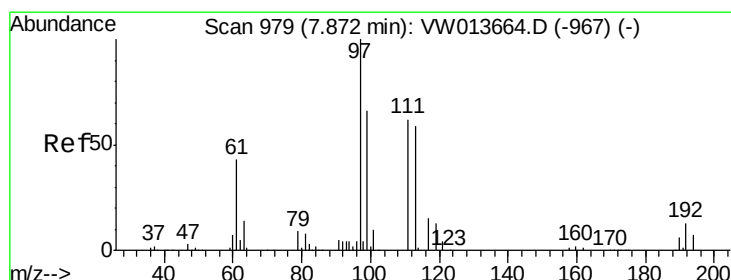
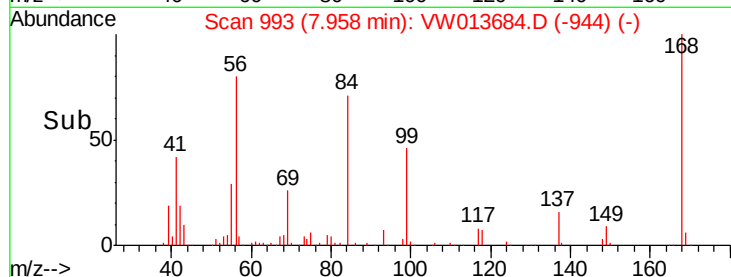
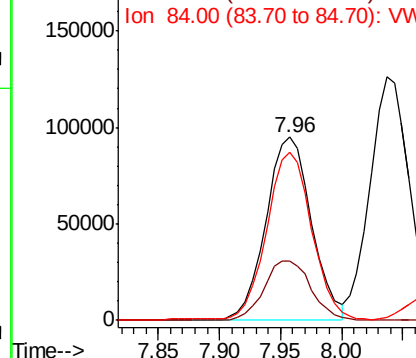
#31
Cyclohexane
Concen: 47.550 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 246036
Ion Ratio Lower Upper
56 100
69 32.7 27.5 41.3
84 90.7 70.8 106.2

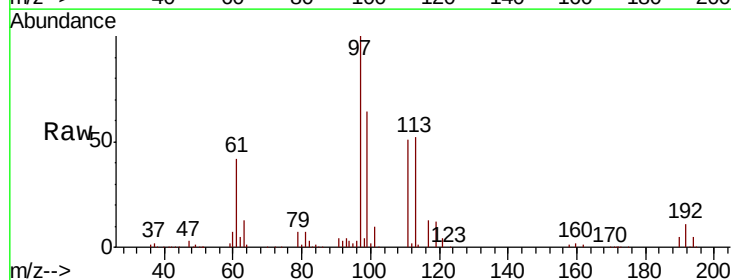


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

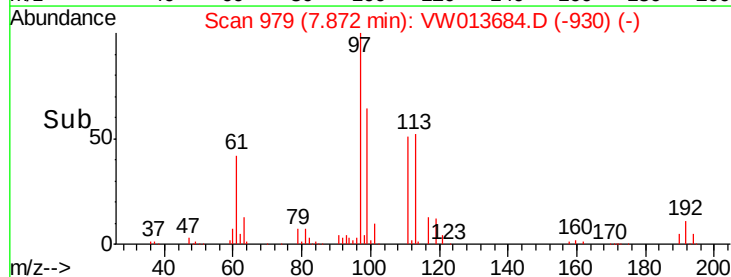
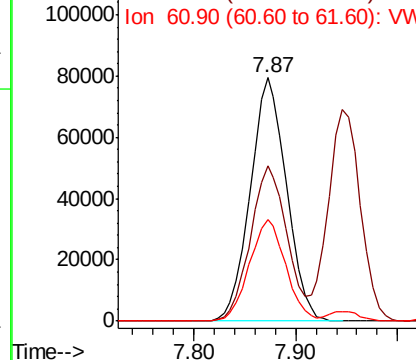


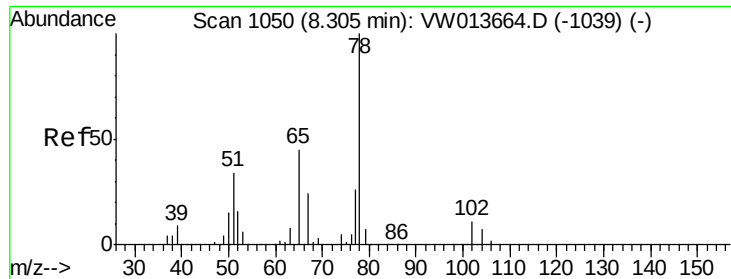
#32
1,1,1-Trichloroethane
Concen: 51.047 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 97 Resp: 195792
Ion Ratio Lower Upper
97 100
99 64.2 52.0 78.0
61 41.8 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

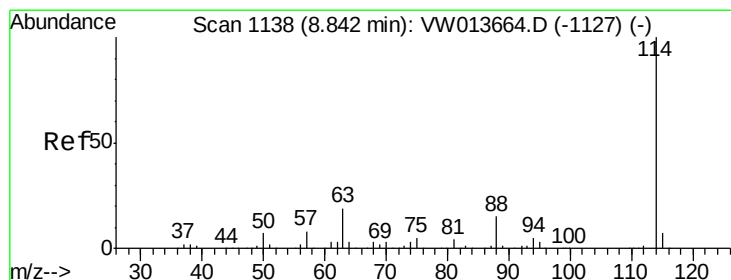
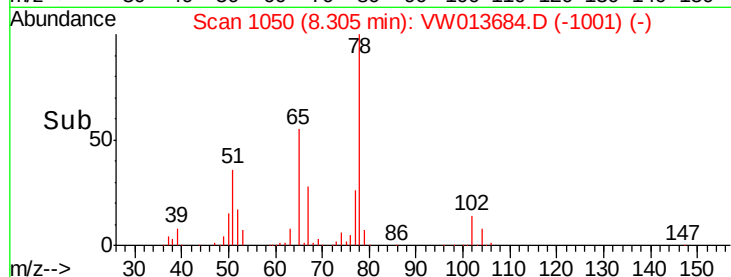
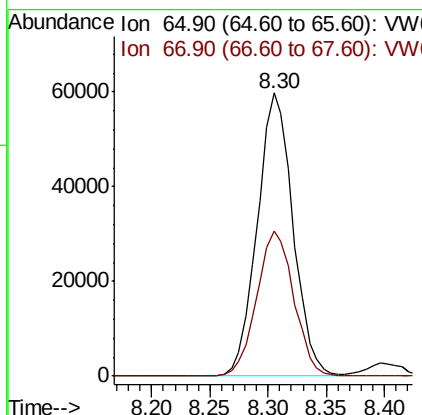
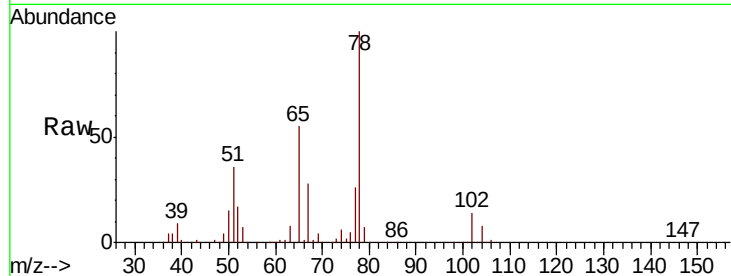




#33
 1,2-Dichloroethane-d4
 Concen: 54.913 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

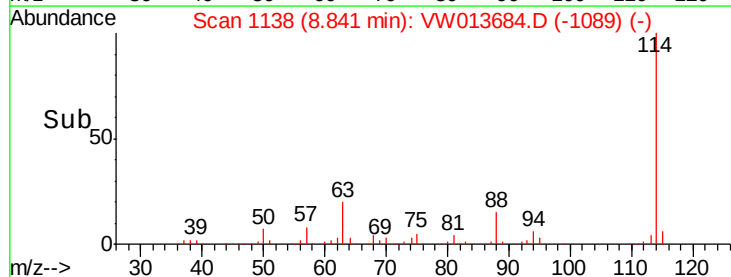
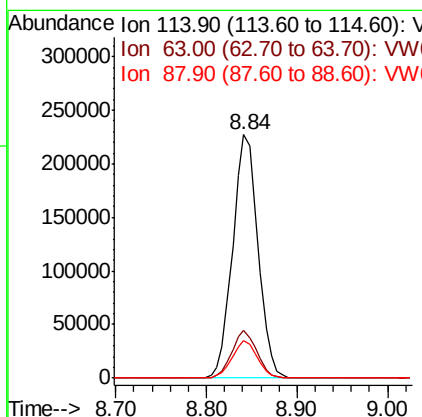
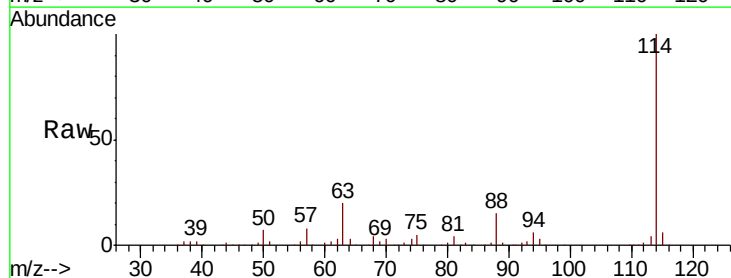
Instrument :
 MSVOA_W
 ClientSampleId :

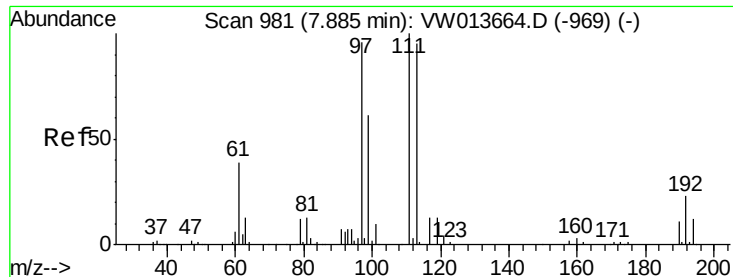
Tot Ion: 65 Resp: 127842
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 114 Resp: 440352
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.6
 88 15.4 0.0 30.2

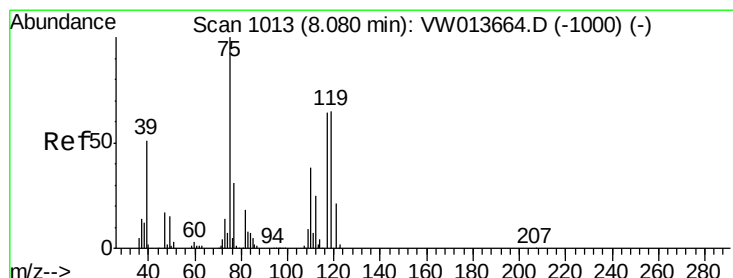
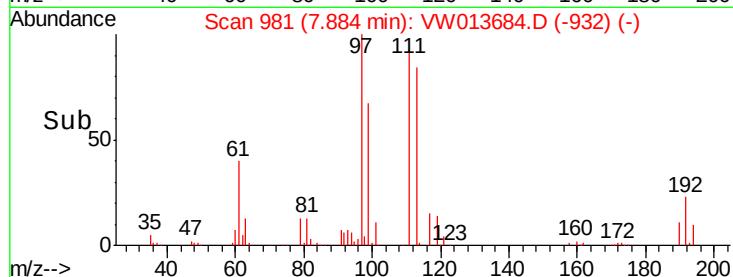
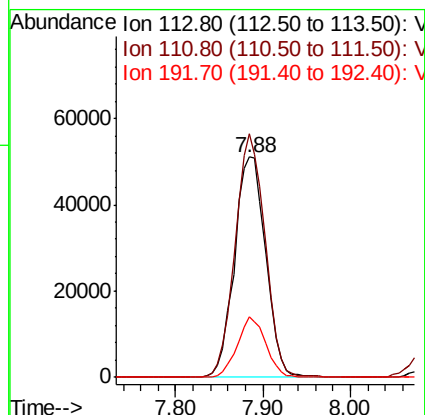
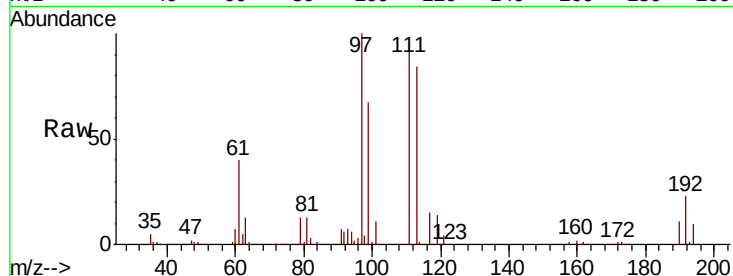




#35
 Dibromofluoromethane
 Concen: 51.793 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

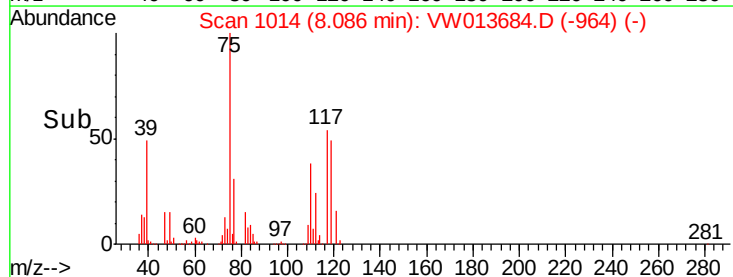
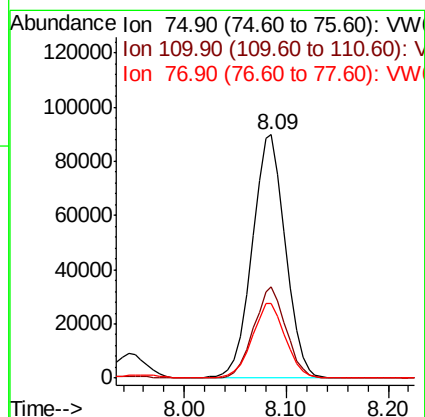
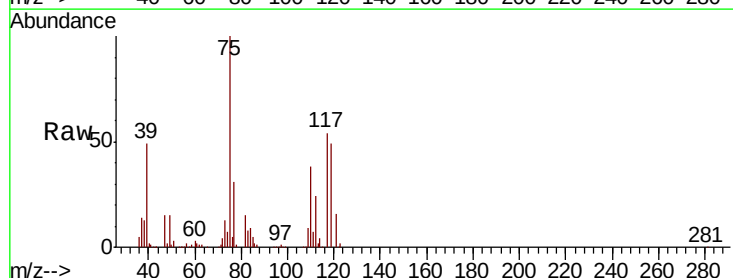
Instrument :
 MSVOA_W
 ClientSampleId :

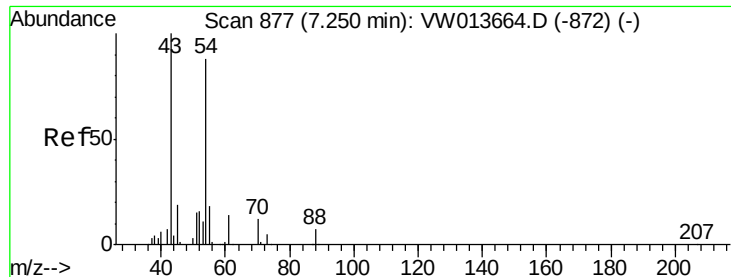
Tot Ion:113 Resp: 126729
 Ion Ratio Lower Upper
 113 100
 111 105.8 83.0 124.6
 192 24.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 49.632 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 75 Resp: 203544
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.7 56.1
 77 31.0 25.4 38.0

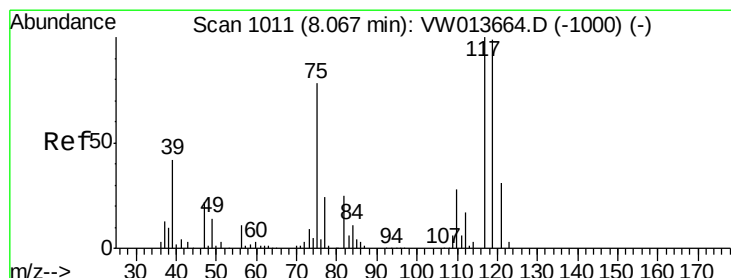
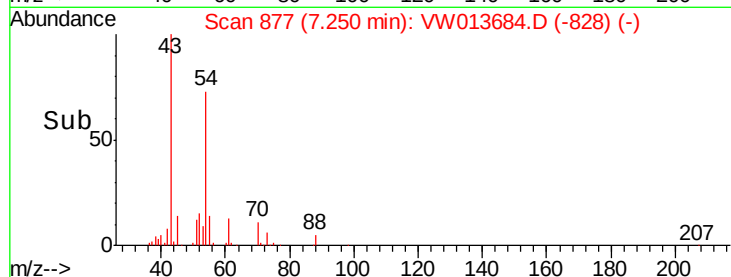
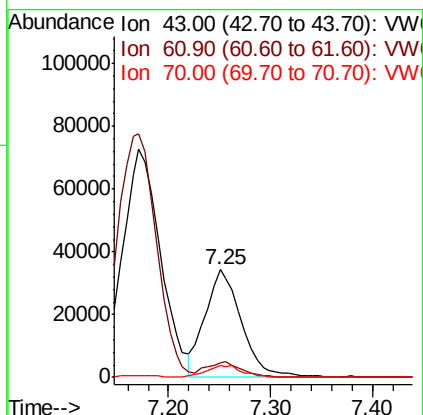
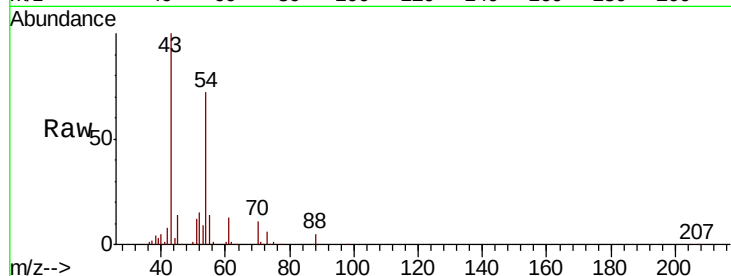




#37
Ethyl Acetate
Concen: 53.869 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

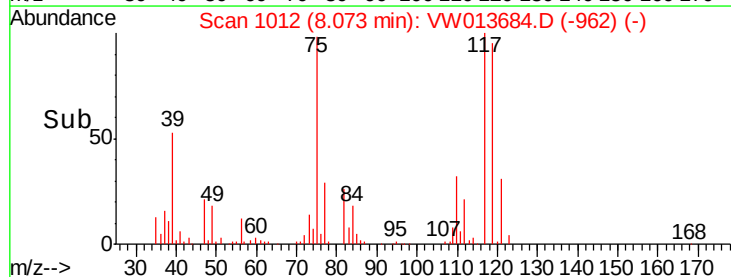
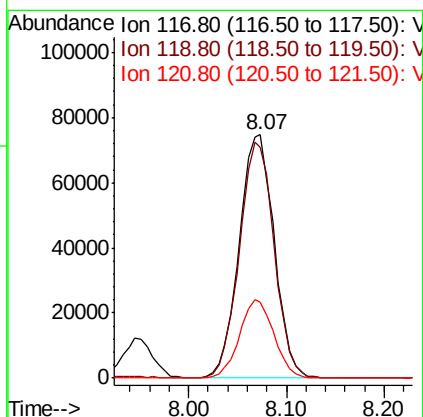
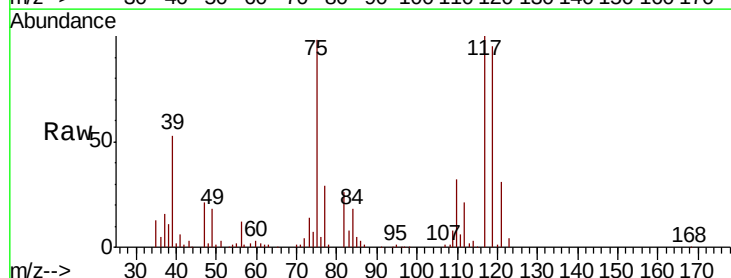
Instrument :
MSVOA_W
ClientSampled :

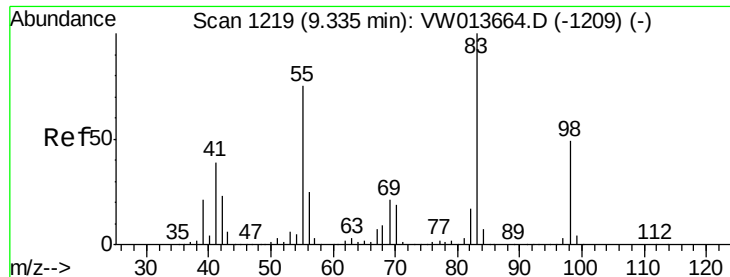
Tot Ion: 43 Resp: 84567
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.404 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 117 Resp: 186144
Ion Ratio Lower Upper
117 100
119 94.8 79.0 118.4
121 31.2 24.5 36.7

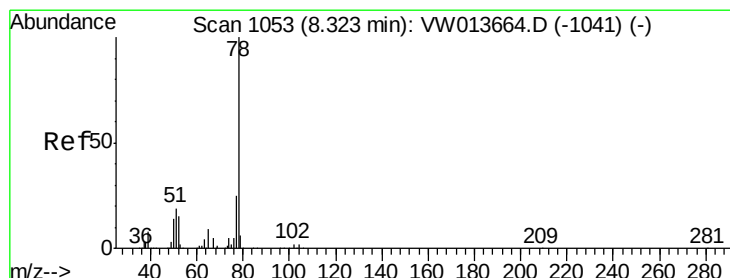
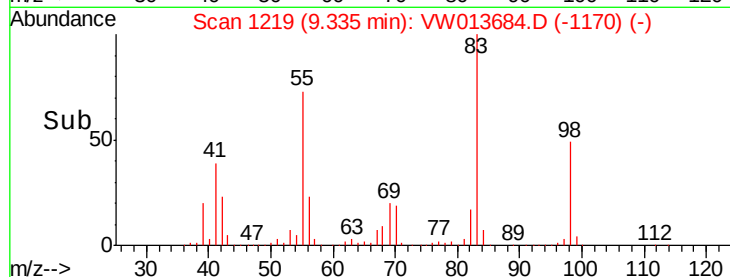
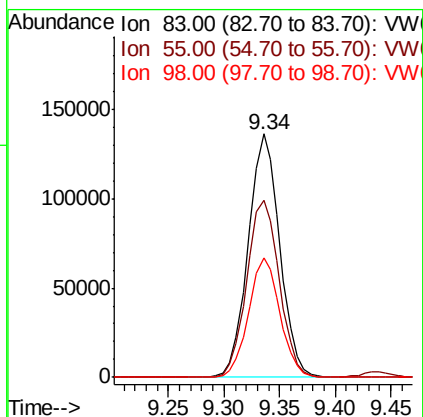
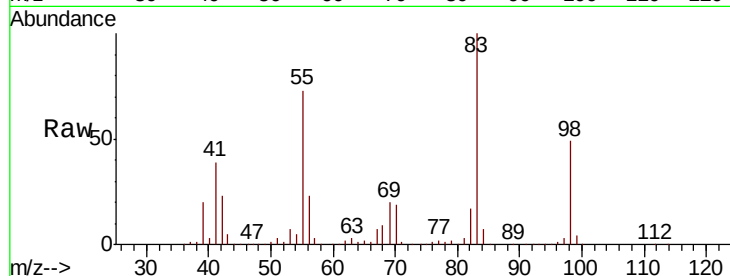




#39
Methylvlcyclohexane
Concen: 50.782 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

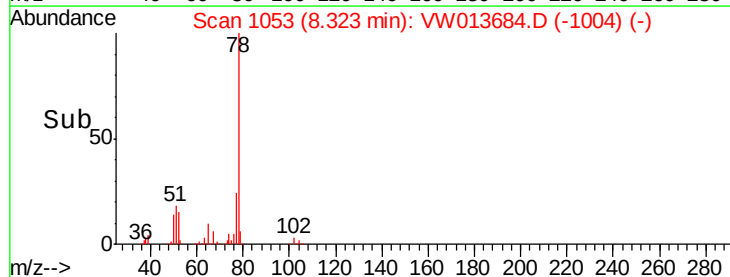
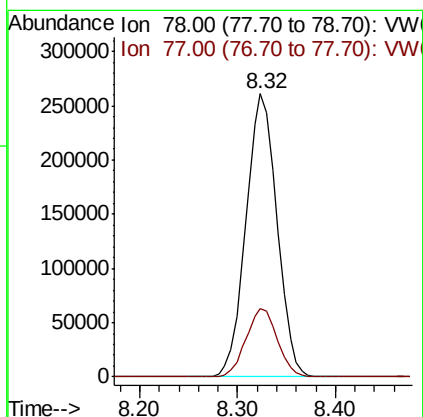
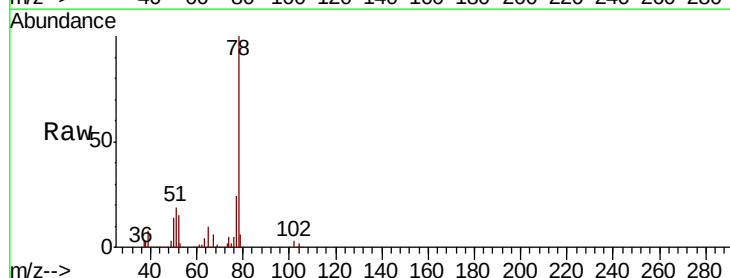
Instrument :
MSVOA_W
ClientSampleId :

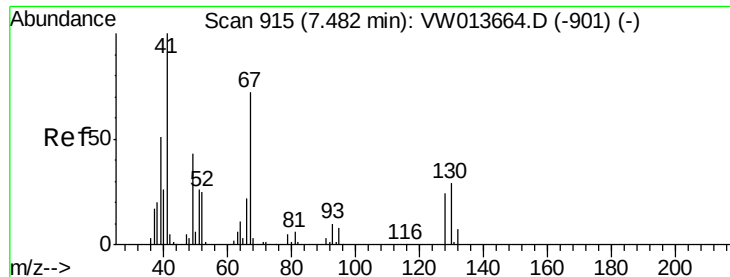
Tot Ion	83.00	Resp	268947
Ion	Ratio	Lower	Upper
83	100		
55	72.9	59.9	89.9
98	49.2	39.4	59.2



#40
Benzene
Concen: 49.400 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	78	Resp	573334
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4

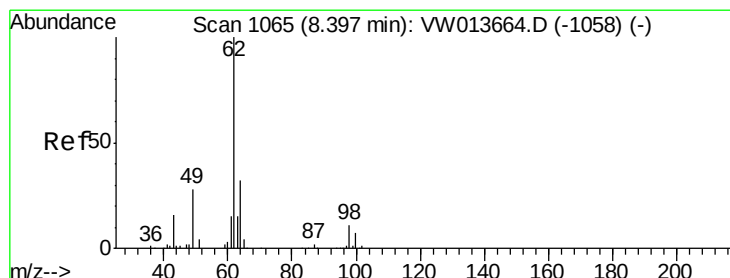
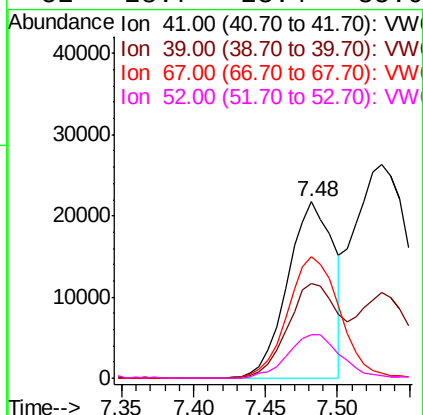
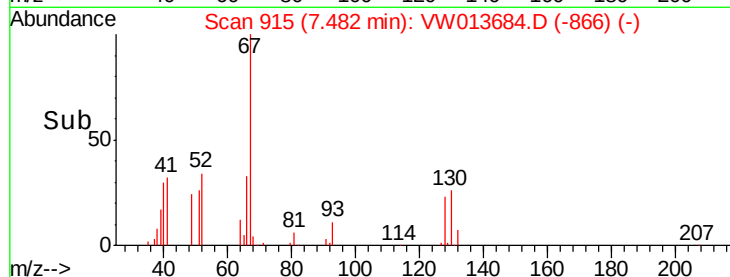
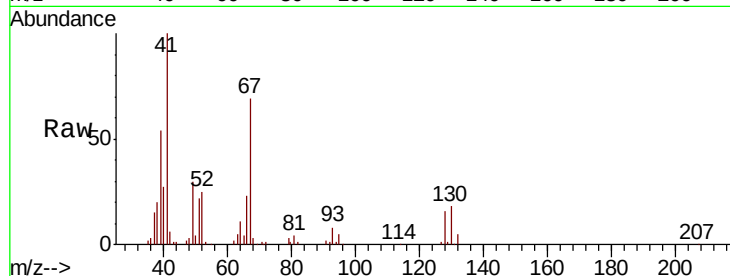




#41
Methacrylonitrile
Concen: 49.817 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

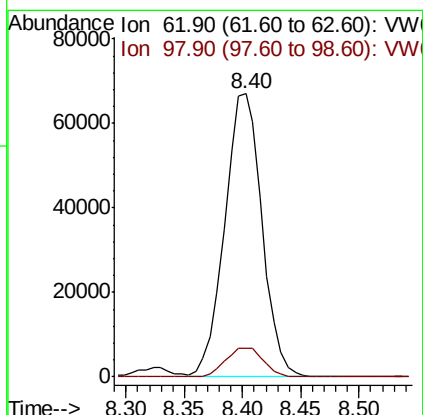
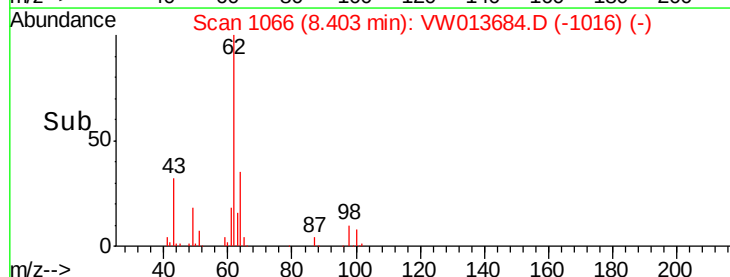
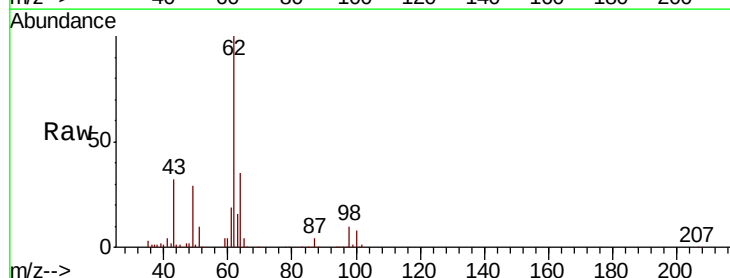
Instrument :
MSVOA_W
ClientSampleId :

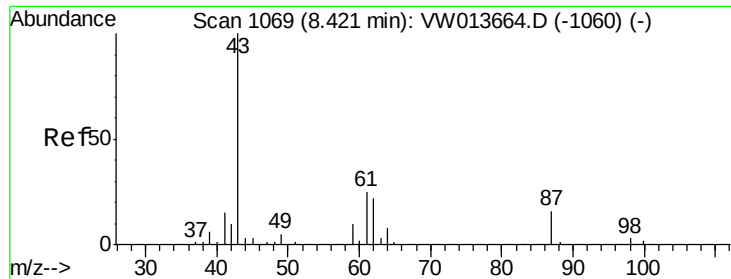
Tot Ion:	41	Resp:	48769
Ion	Ratio	Lower	Upper
41	100		
39	59.2	44.8	67.2
67	77.8	59.3	88.9
52	28.7	23.4	35.0



#42
1,2-Dichloroethane
Concen: 50.812 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:	62	Resp:	148606
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.4





#43

Isopropyl Acetate

Concen: 53.382 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampled :

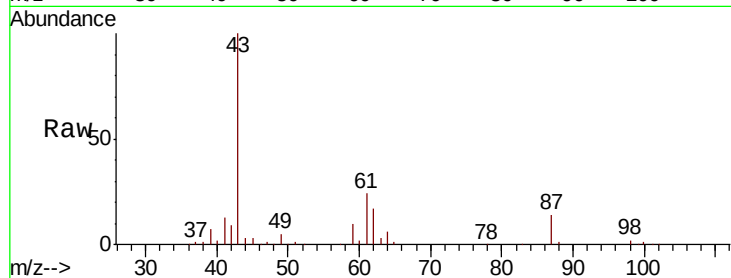
Tot Ion: 43 Resp: 160412

Ion Ratio Lower Upper

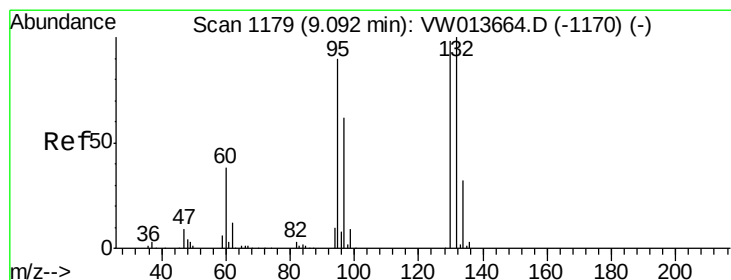
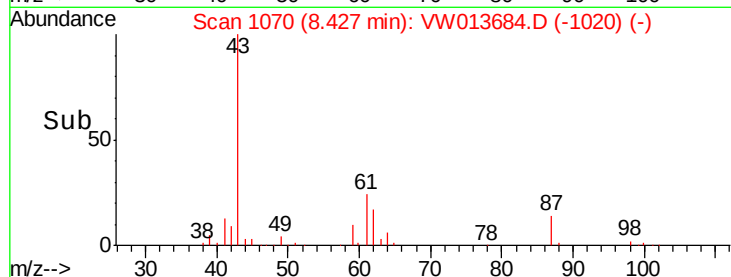
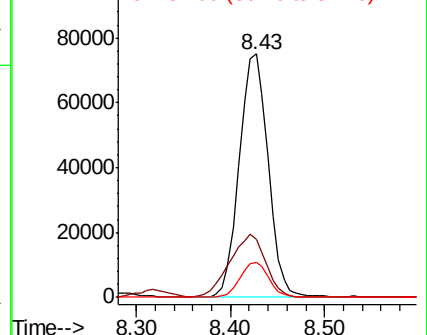
43 100

61 32.3 26.1 39.1

87 14.2 11.4 17.0



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



#44

Trichloroethene

Concen: 48.670 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013684.D

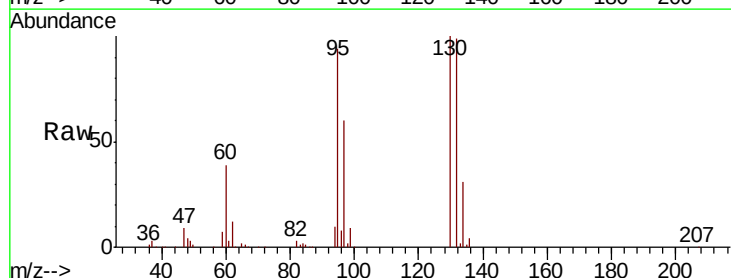
Acq: 23 Oct 2019 22:43

Tgt Ion:130 Resp: 161805

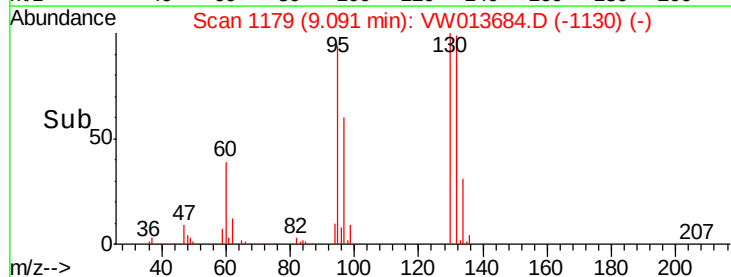
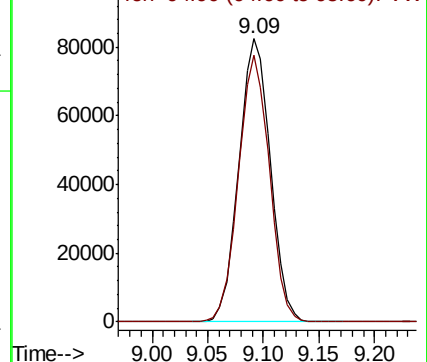
Ion Ratio Lower Upper

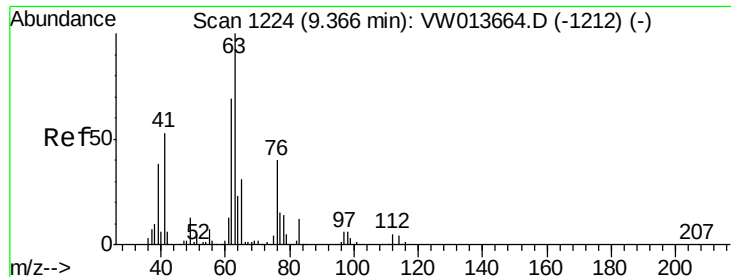
130 100

95 94.3 0.0 184.6



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

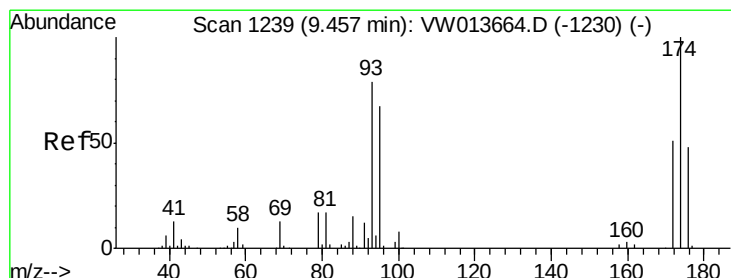
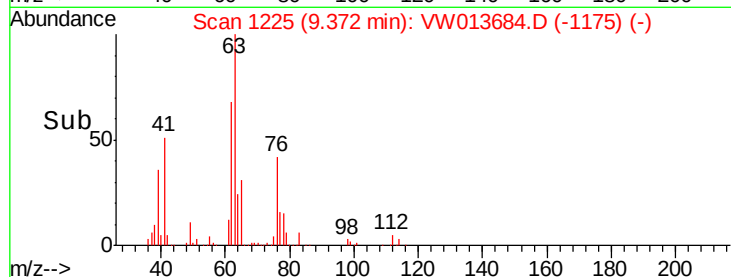
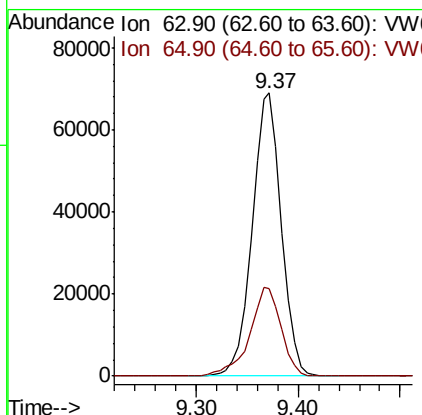
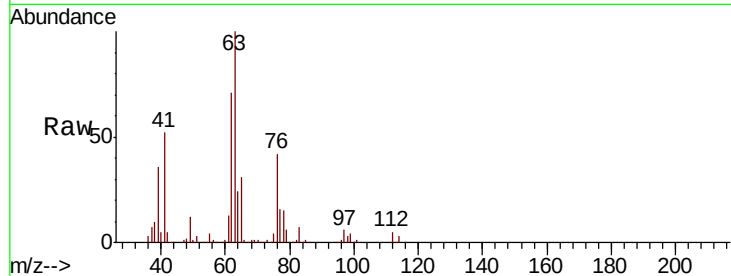




#45
 1,2-Dichloropropane
 Concen: 49.378 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

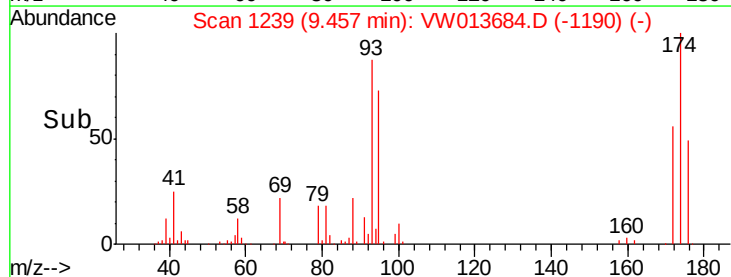
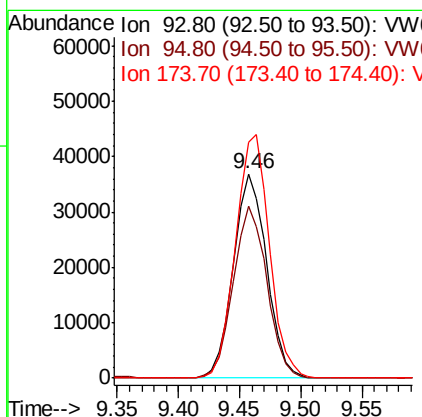
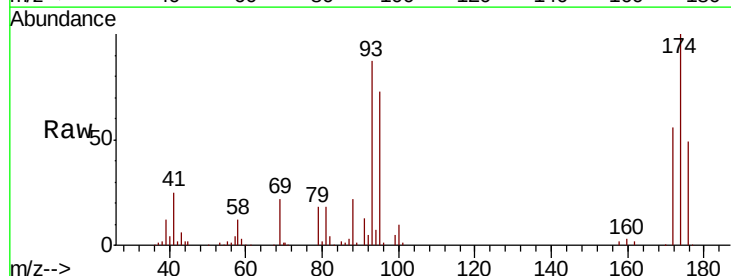
Instrument :
 MSVOA_W
 ClientSampleId :

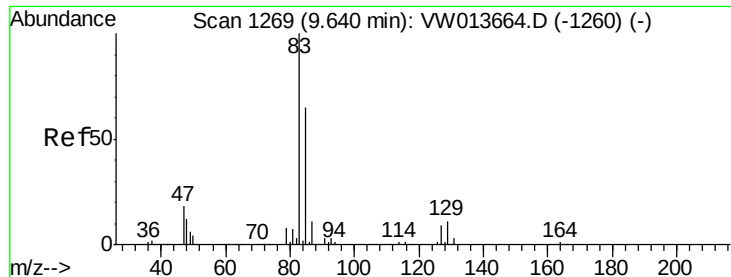
Tot Ion: 63 Resp: 136885
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.2 37.8



#46
 Dibromomethane
 Concen: 51.828 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 93 Resp: 69734
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.5 99.7
 174 121.3 99.6 149.4

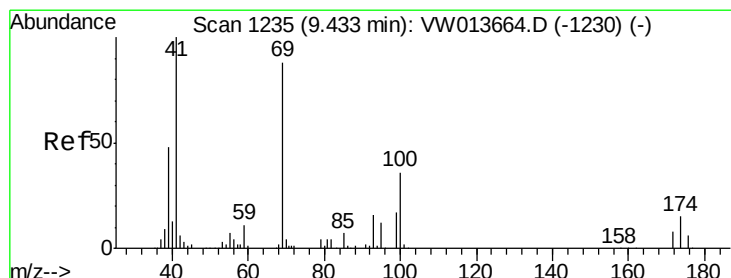
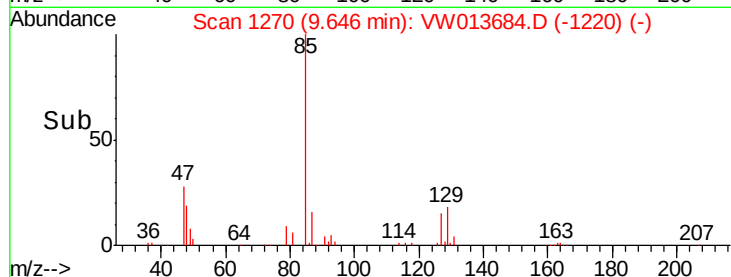
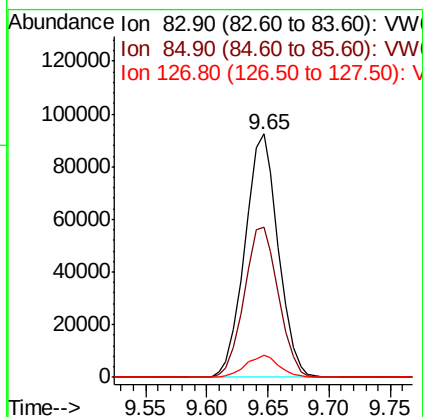
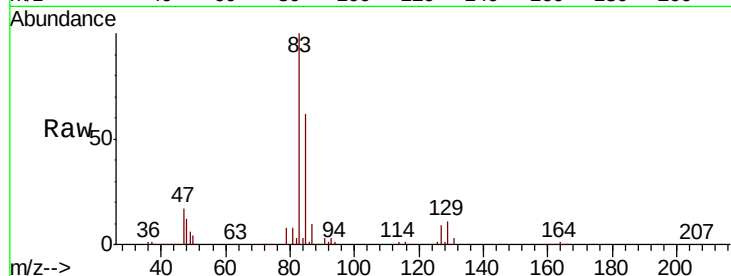




#47
Bromodichloromethane
Concen: 50.232 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

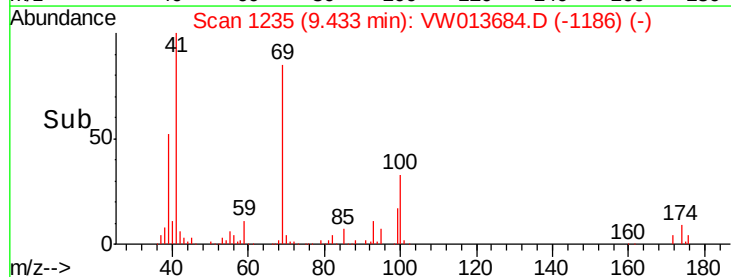
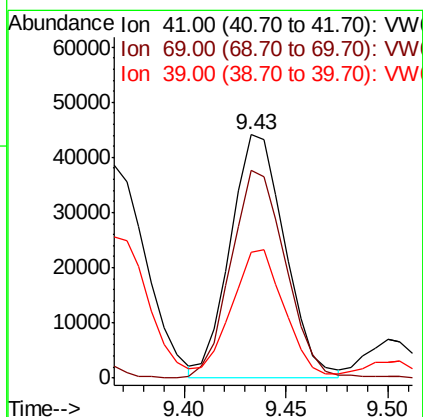
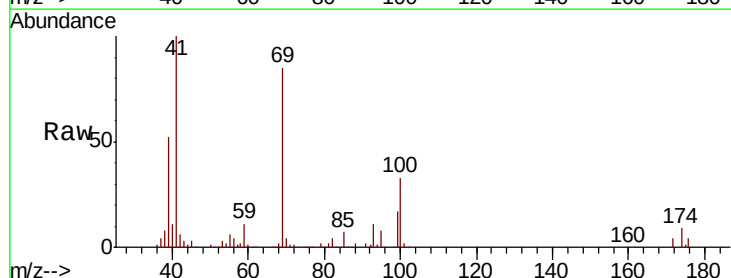
Instrument :
MSVOA_W
ClientSampleId :

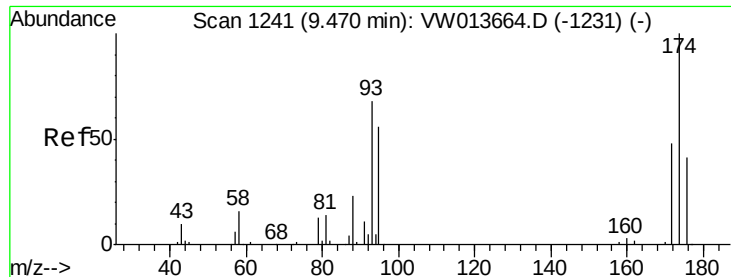
Tot Ion: 83 Resp: 174875
Ion Ratio Lower Upper
83 100
85 61.8 51.8 77.6
127 9.0 7.3 10.9



#48
Methyl methacrylate
Concen: 55.100 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 41 Resp: 82108
Ion Ratio Lower Upper
41 100
69 85.6 67.6 101.4
39 48.2 38.6 58.0

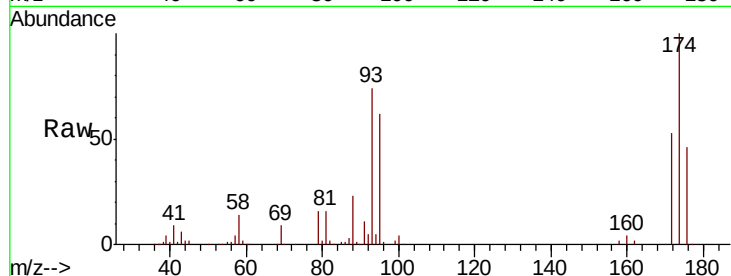




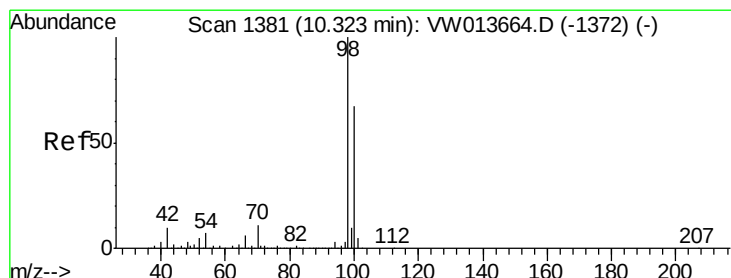
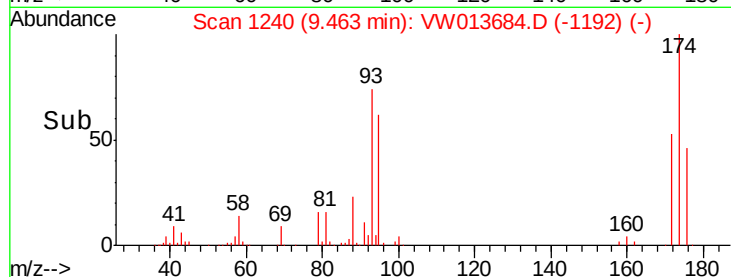
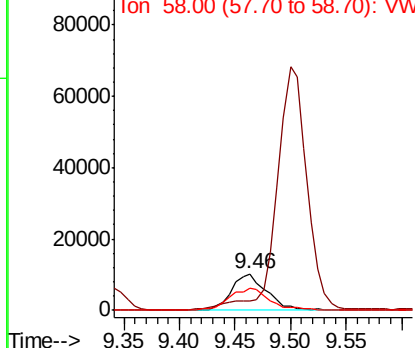
#49
1,4-Dioxane
Concen: 1115.314 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 22175
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.6 58.9 88.3

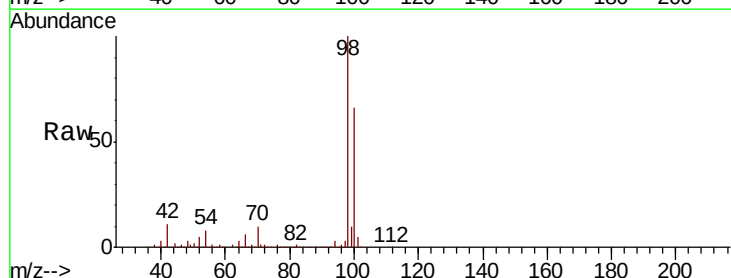


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

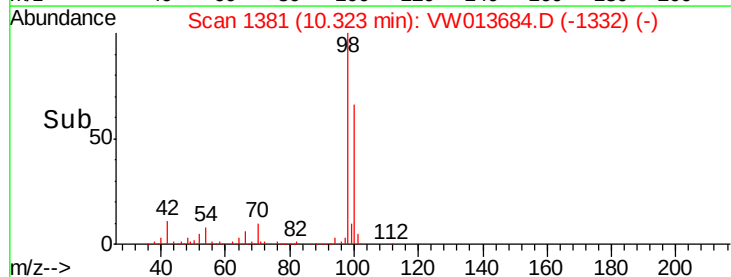
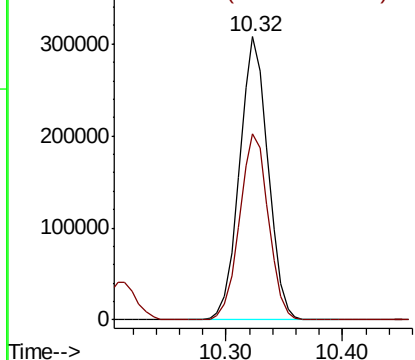


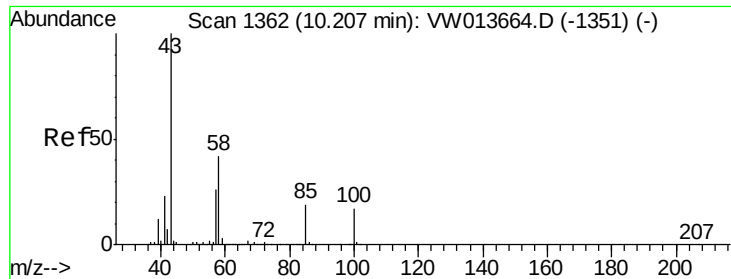
#50
Toluene-d8
Concen: 52.627 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 98 Resp: 524705
Ion Ratio Lower Upper
98 100
100 66.7 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: 275.368 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

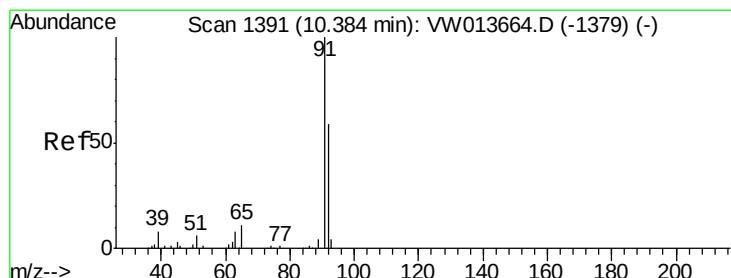
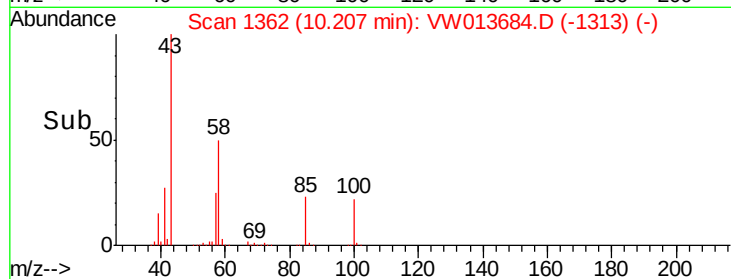
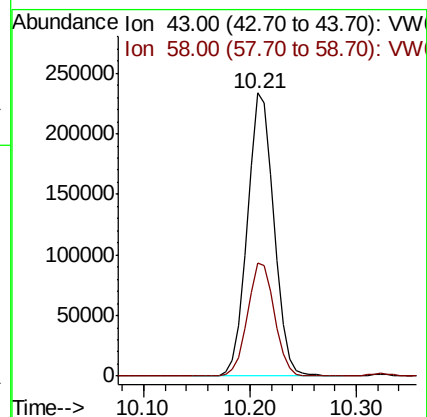
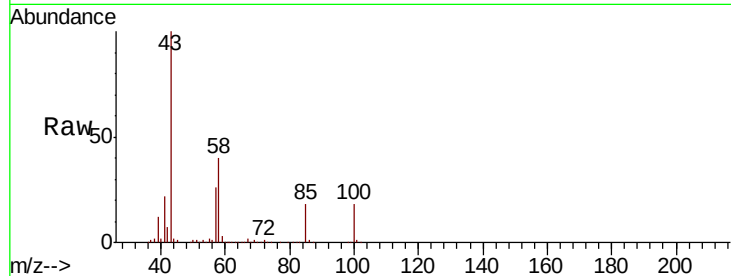
ClientSampled :

Tot Ion: 43 Resp: 411183

Ion Ratio Lower Upper

43 100

58 40.5 32.6 49.0



#52

Toluene

Concen: 48.956 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013684.D

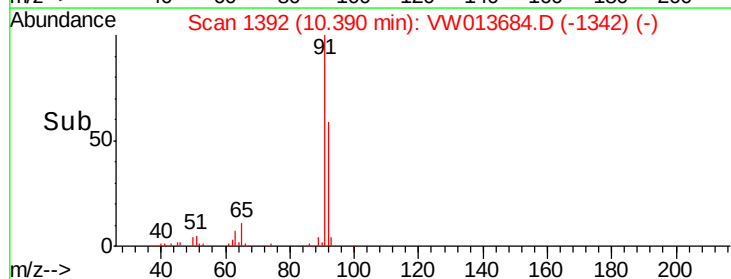
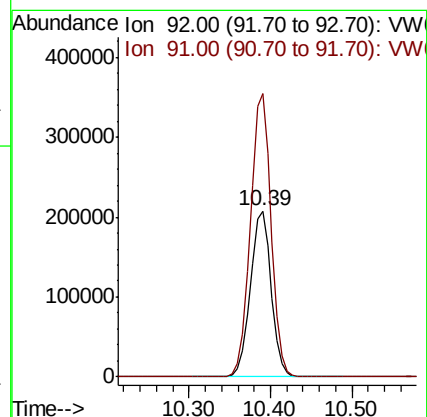
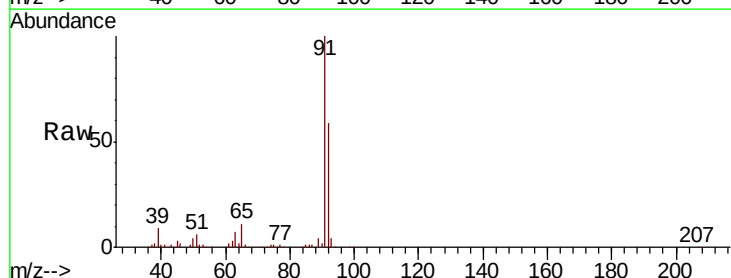
Acq: 23 Oct 2019 22:43

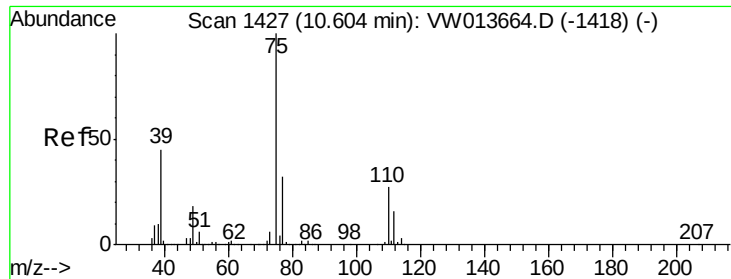
Tgt Ion: 92 Resp: 366503

Ion Ratio Lower Upper

92 100

91 169.7 134.5 201.7

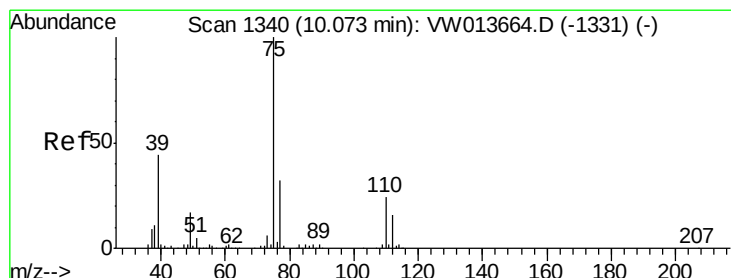
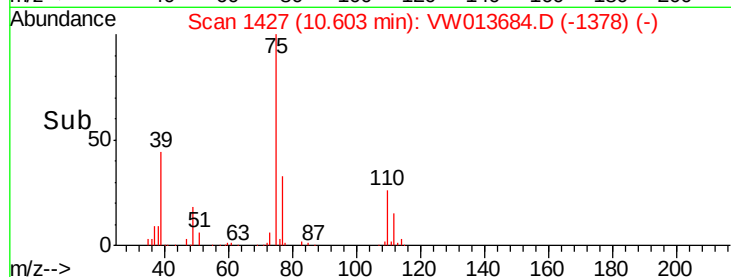
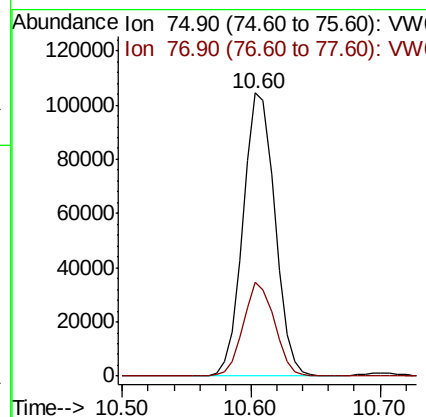
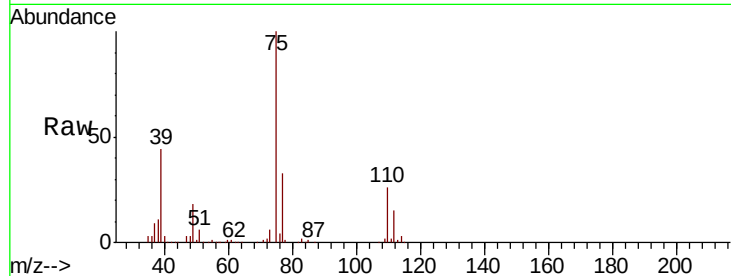




#53
 t-1,3-Dichloropropene
 Concen: 50.802 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

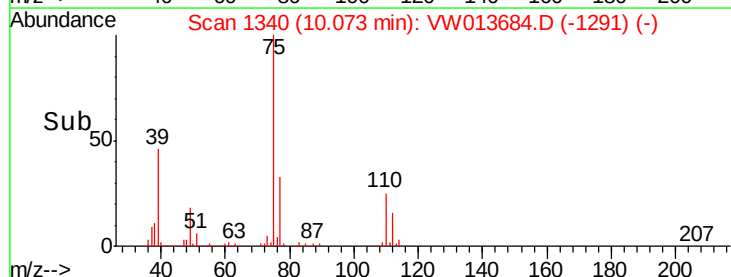
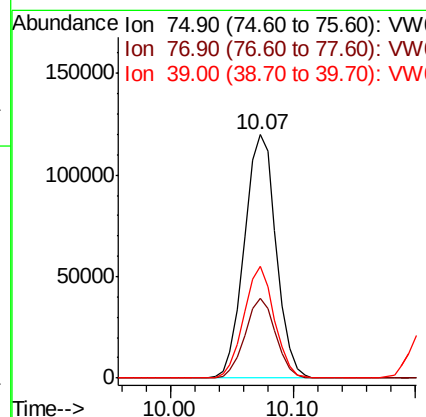
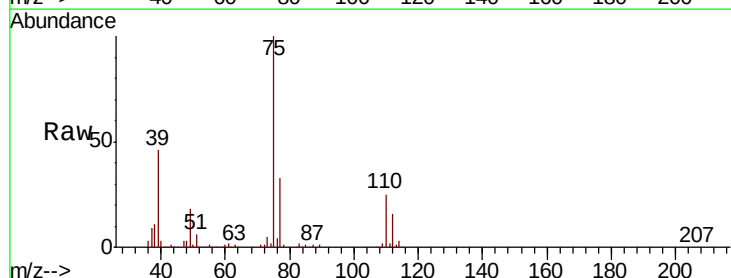
Instrument :
 MSVOA_W
 ClientSampled :

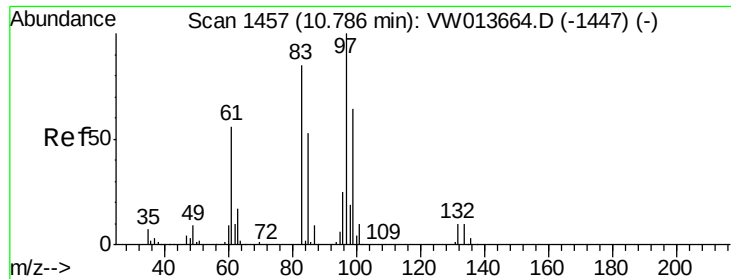
Tot Ion: 75 Resp: 179042
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 49.621 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 75 Resp: 215759
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.6
 39 45.9 35.3 52.9

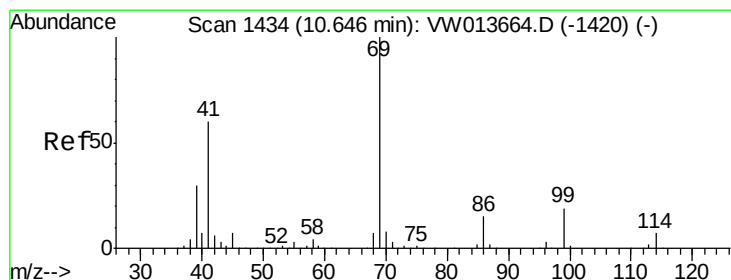
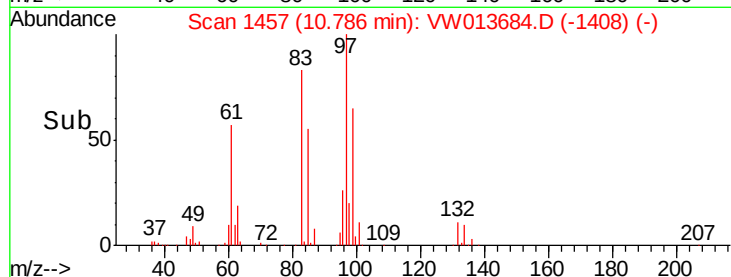
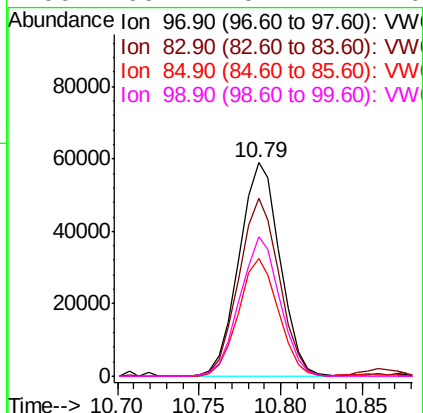
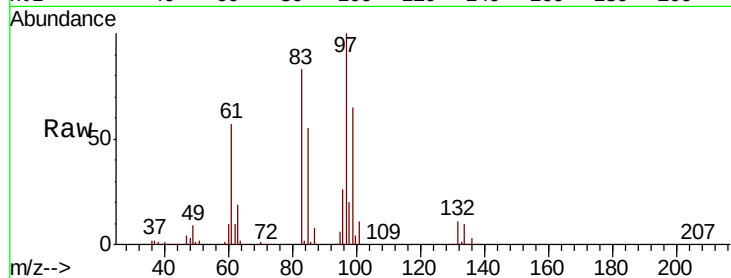




#55
 1,1,2-Trichloroethane
 Concen: 51.360 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

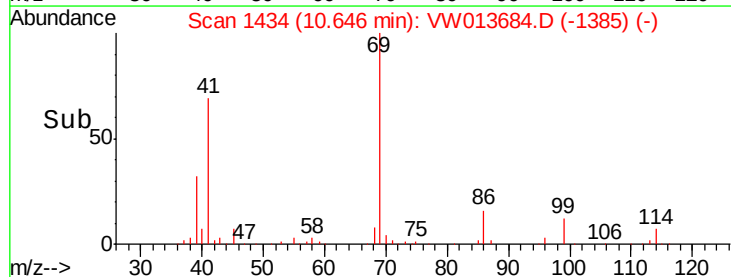
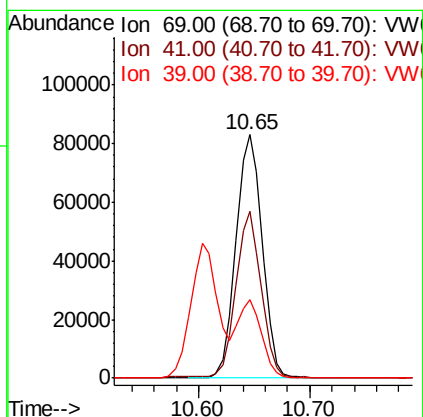
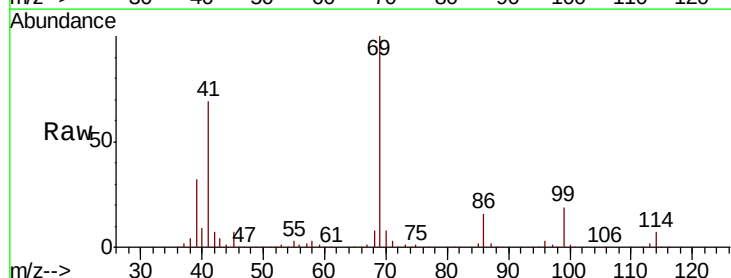
Instrument :
 MSVOA_W
 ClientSampleId :

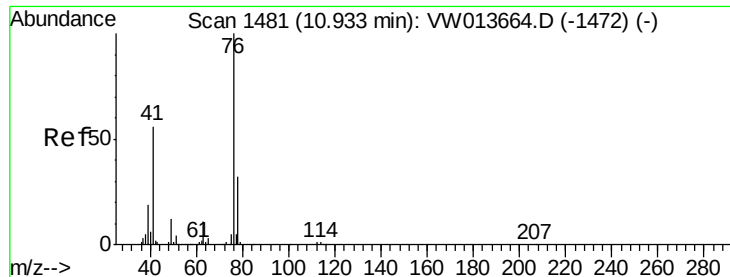
Tot Ion: 97 Resp: 102989
 Ion Ratio Lower Upper
 97 100
 83 83.4 67.8 101.8
 85 54.9 42.1 63.1
 99 65.1 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 54.120 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 69 Resp: 135776
 Ion Ratio Lower Upper
 69 100
 41 65.3 51.6 77.4
 39 29.2 22.4 33.6





#57

1,3-Dichloropropane

Concen: 51.429 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

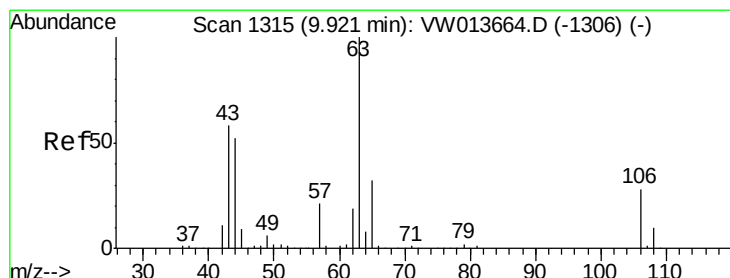
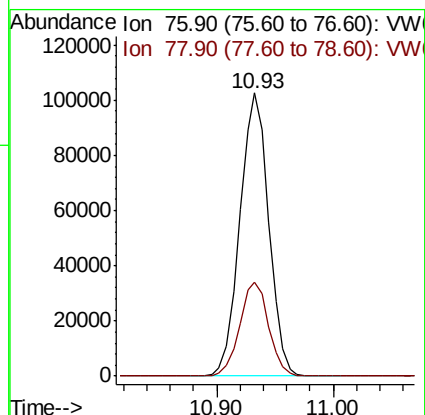
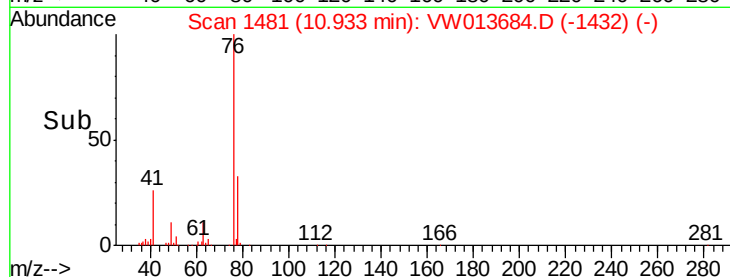
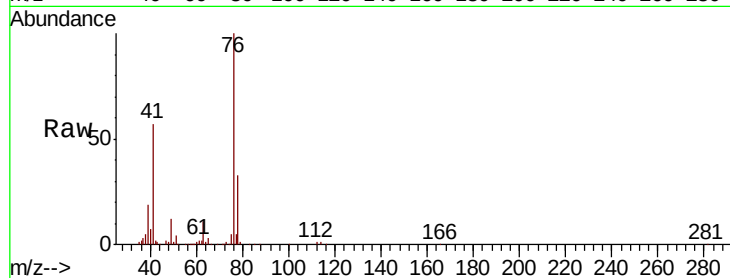
ClientSampleId :

Tot Ion: 76 Resp: 176972

Ion Ratio Lower Upper

76 100

78 33.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 290.748 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW013684.D

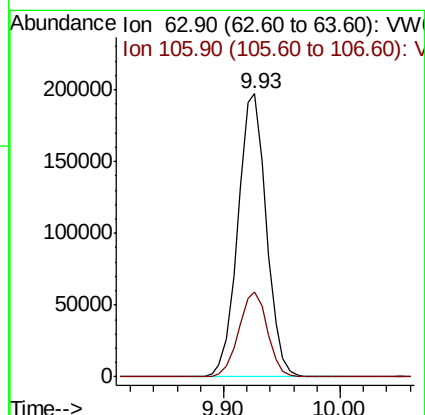
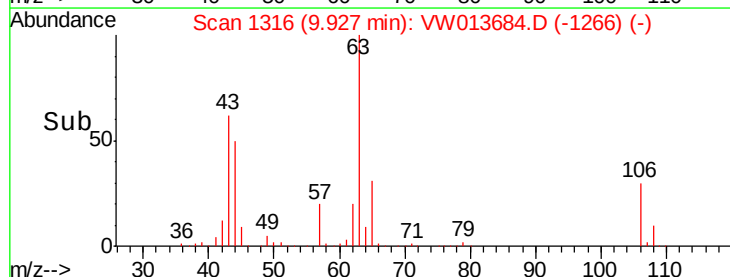
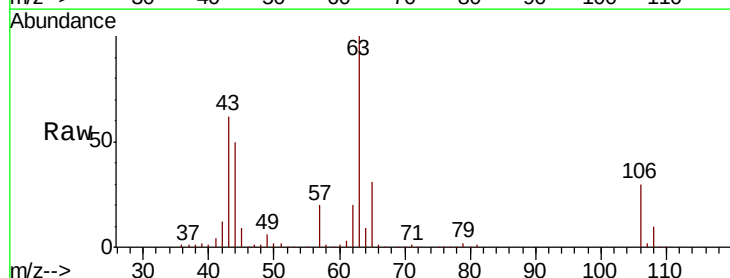
Acq: 23 Oct 2019 22:43

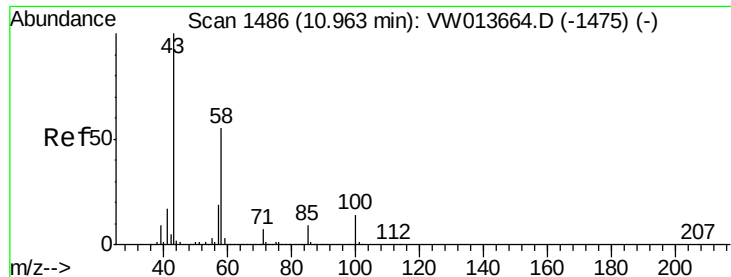
Tgt Ion: 63 Resp: 335709

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8

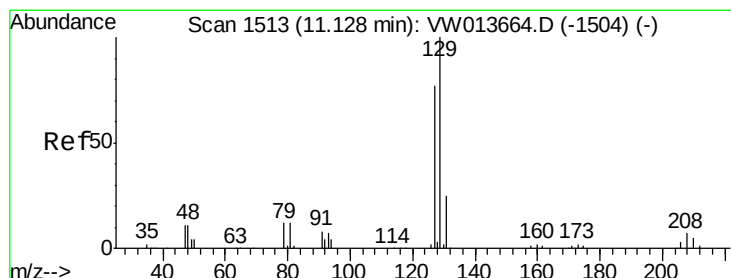
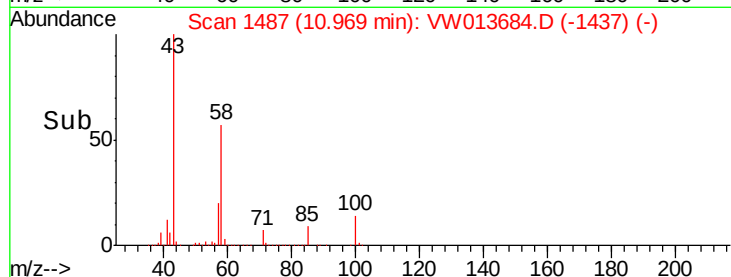
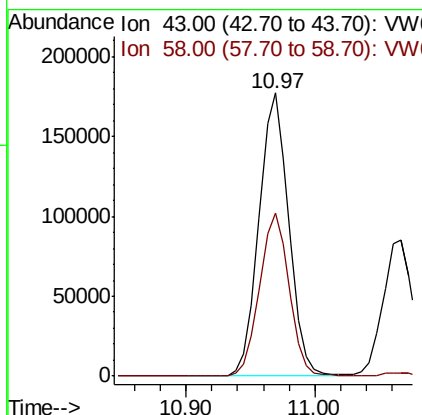
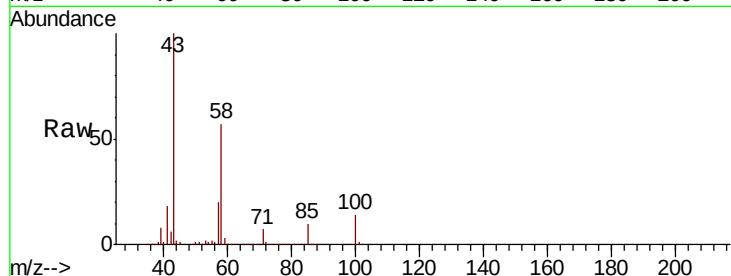




#59
2-Hexanone
Concen: 274.848 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

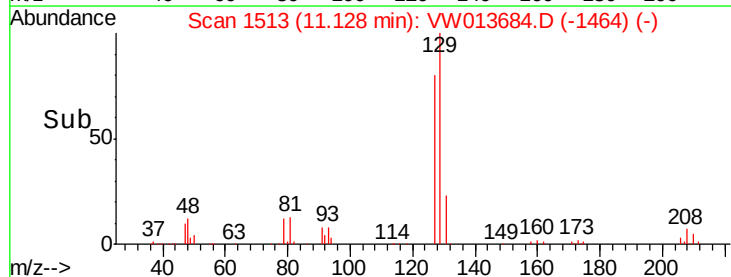
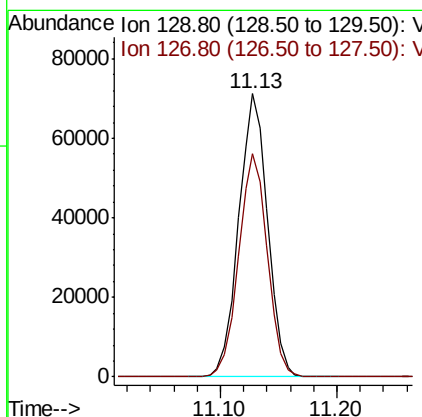
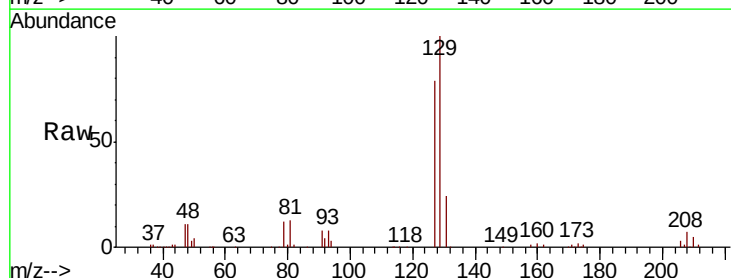
Instrument :
MSVOA_W
ClientSampleId :

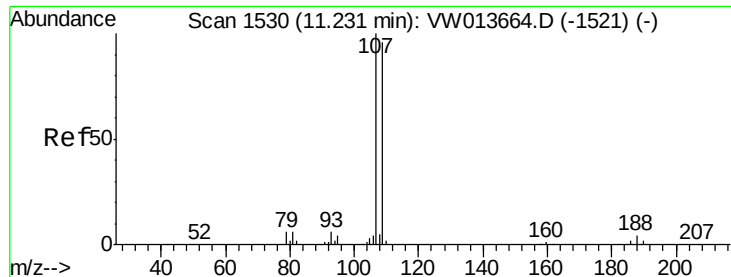
Tot Ion: 43 Resp: 282932
Ion Ratio Lower Upper
43 100
58 57.2 27.9 83.7



#60
Dibromochloromethane
Concen: 51.582 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 129 Resp: 122809
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

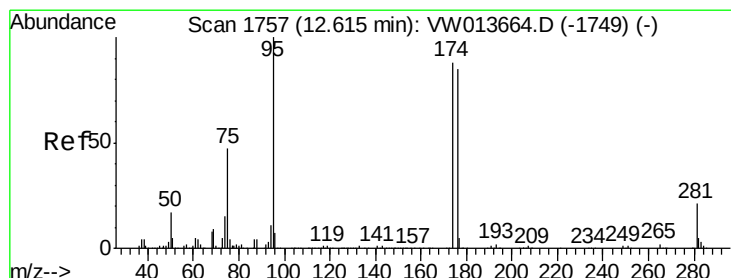
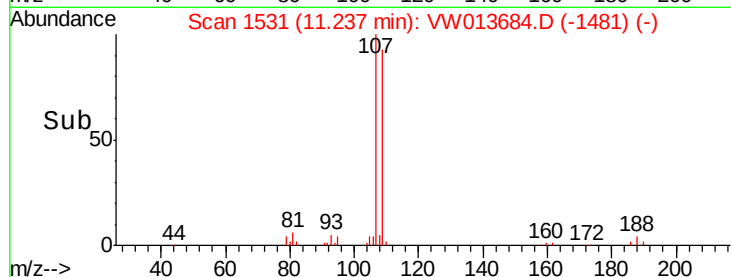
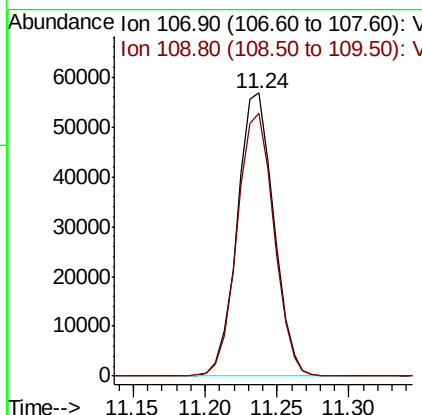
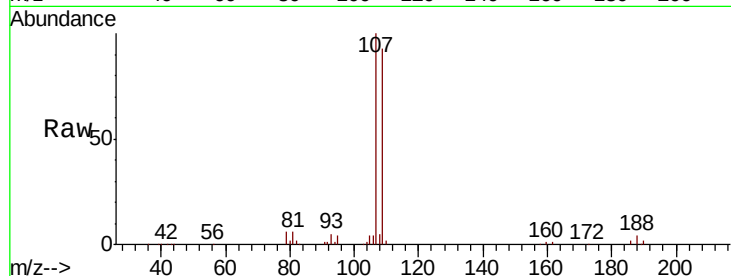




#61
 1,2-Dibromoethane
 Concen: 52.625 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

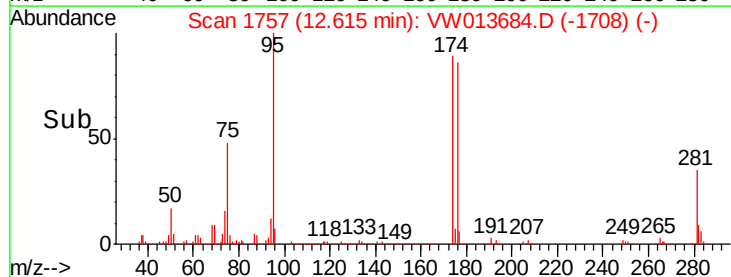
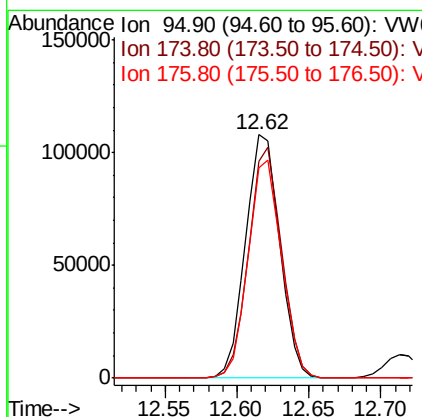
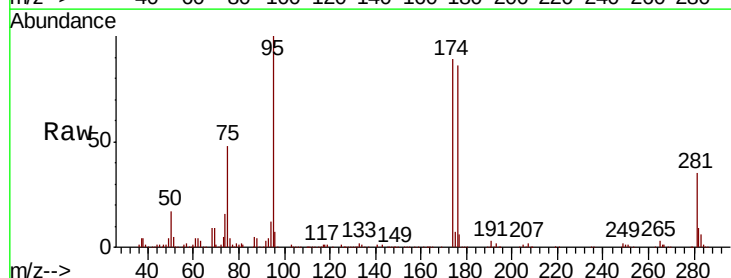
Instrument :
 MSVOA_W
 ClientSampleId :

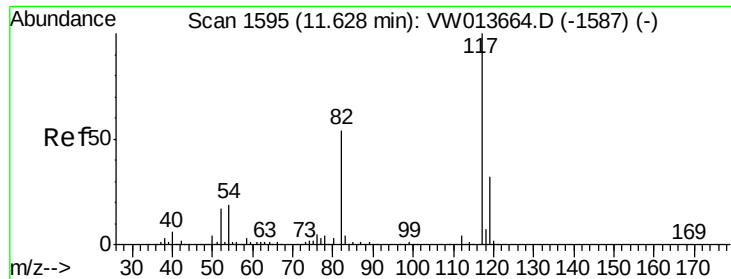
Tot Ion:107 Resp: 99834
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.297 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 95 Resp: 176551
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 183.6
 176 88.0 0.0 178.0

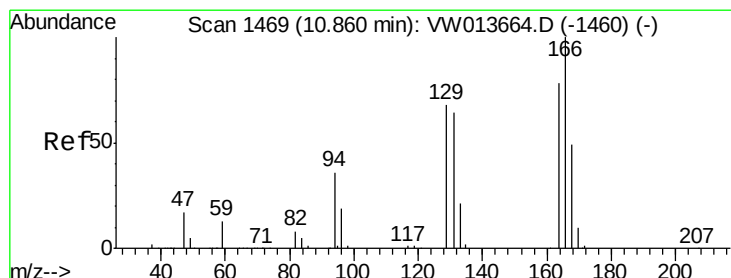
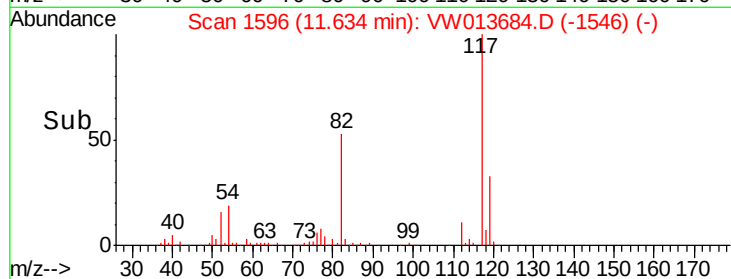
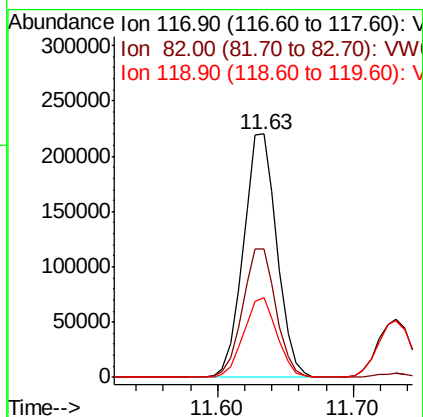
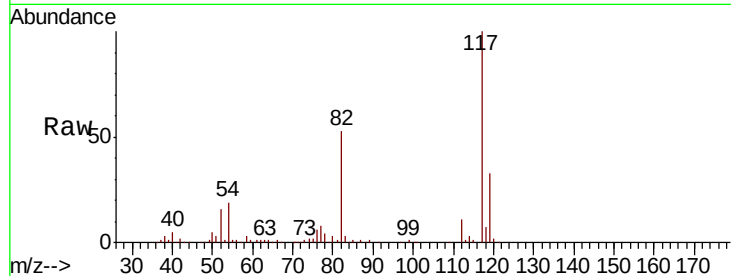




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

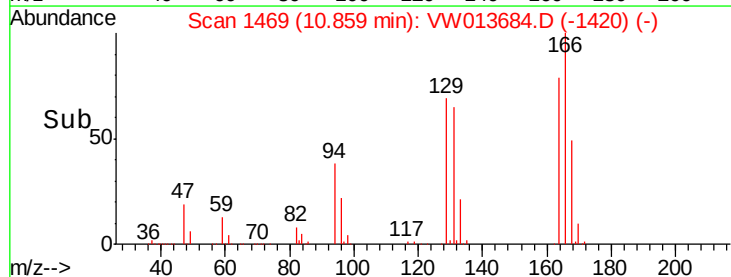
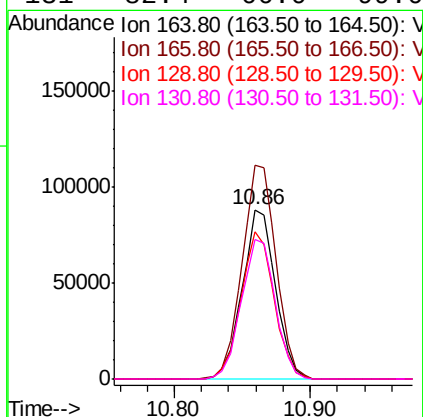
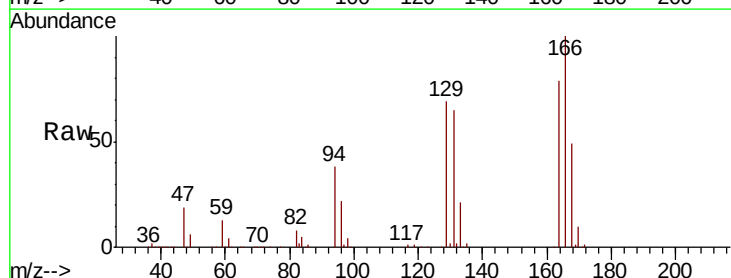
Instrument :
MSVOA_W
ClientSampled :

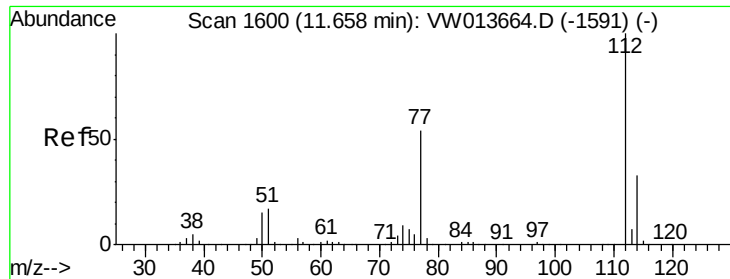
Tot Ion:117 Resp: 377593
Ion Ratio Lower Upper
117 100
82 52.7 43.6 65.4
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 52.153 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:164 Resp: 150460
Ion Ratio Lower Upper
164 100
166 126.1 103.2 154.8
129 87.0 70.6 105.8
131 82.4 66.0 99.0

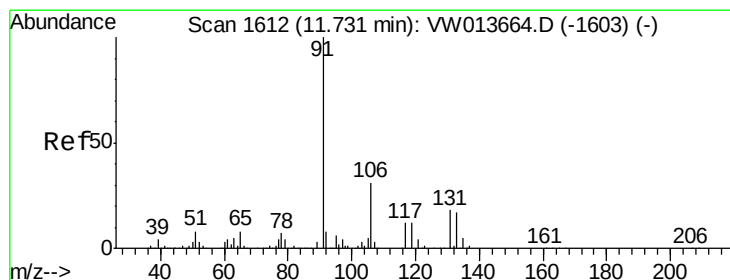
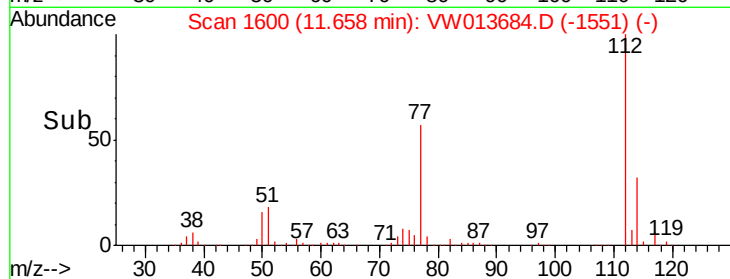
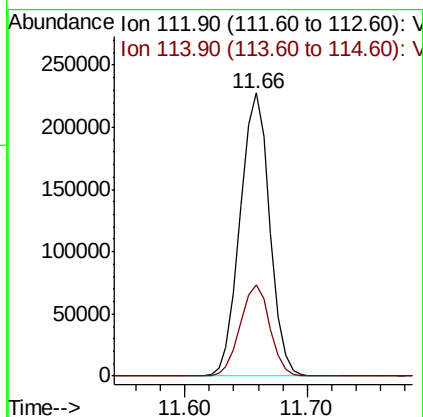
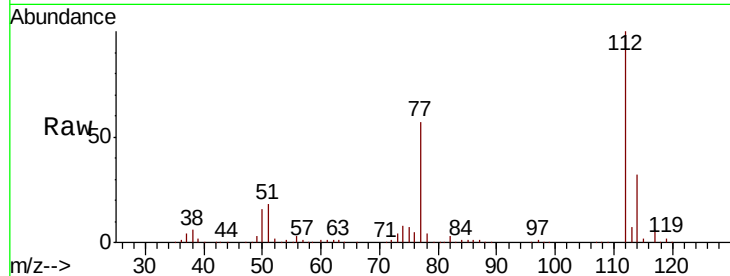




#65
Chlorobenzene
Concen: 49.180 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

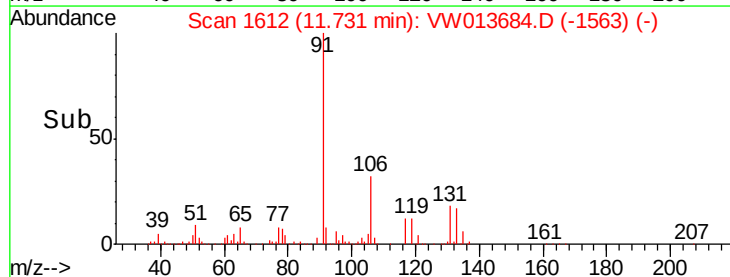
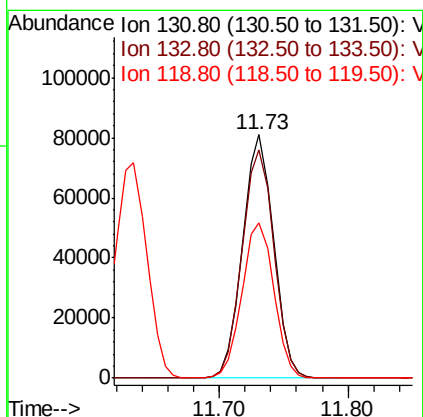
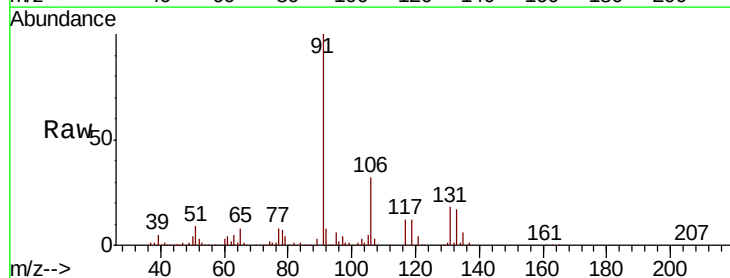
Instrument :
MSVOA_W
ClientSampled :

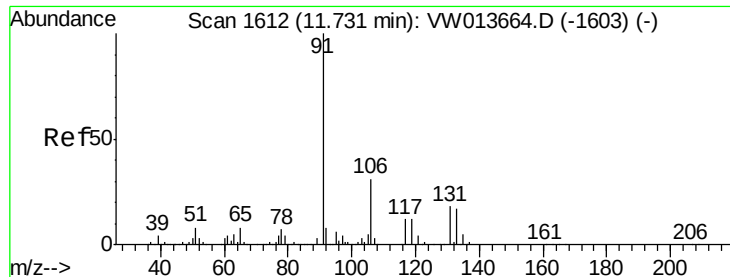
Tot Ion:112 Resp: 381597
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.746 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:131 Resp: 134711
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 65.6 33.1 99.2

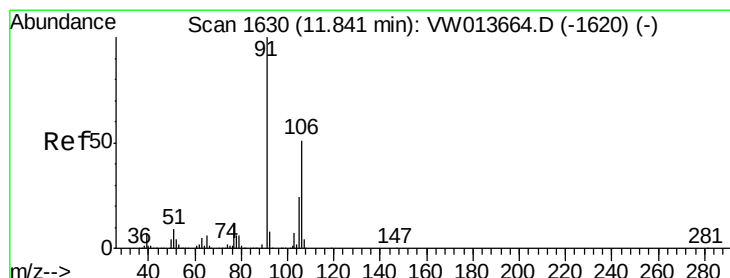
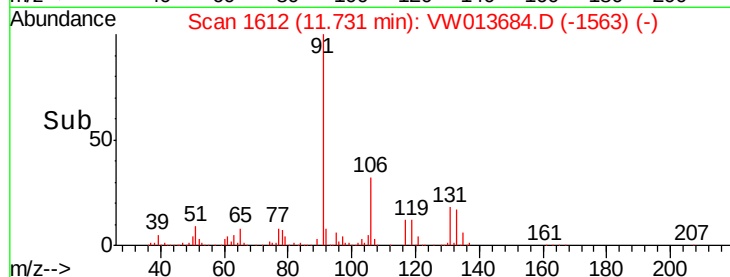
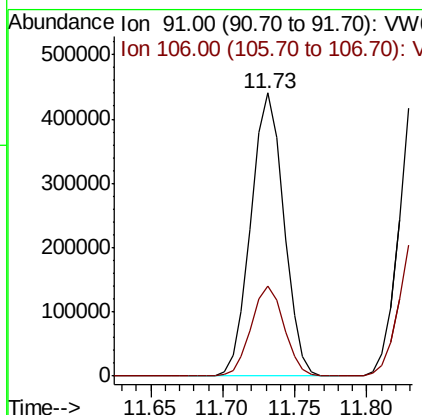
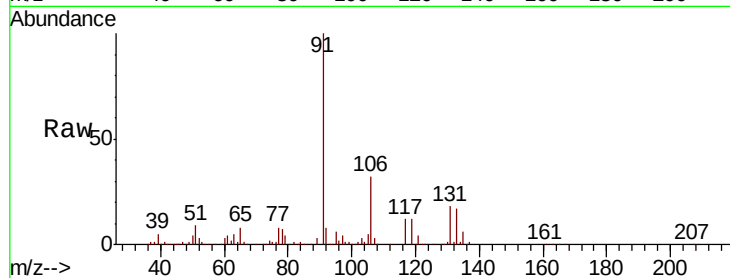




#67
Ethyl Benzene
Concen: 49.828 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

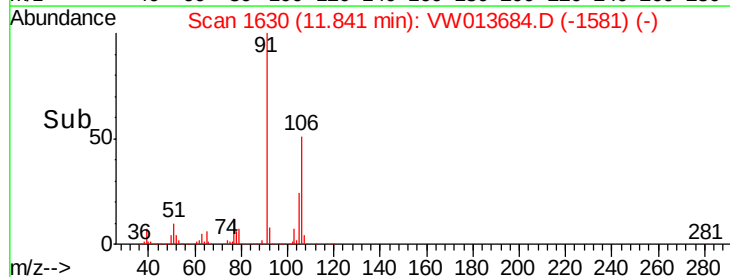
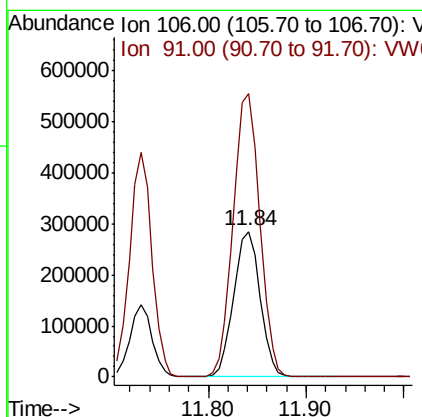
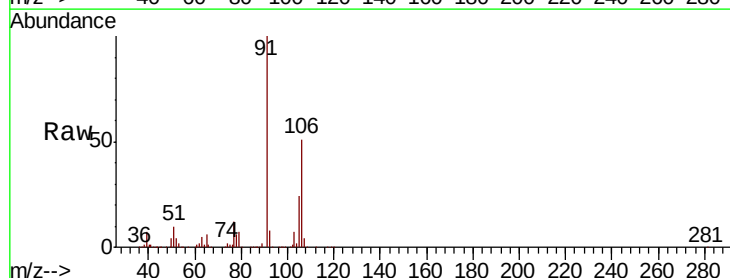
Instrument :
MSVOA_W
ClientSampled :

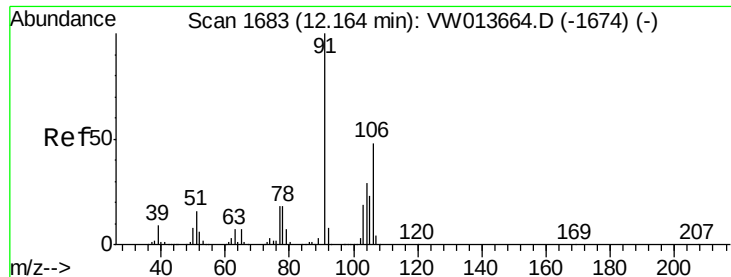
Tot Ion: 91 Resp: 697155
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6



#68
m/p-Xylenes
Concen: 99.067 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 106 Resp: 535512
Ion Ratio Lower Upper
106 100
91 196.3 159.2 238.8

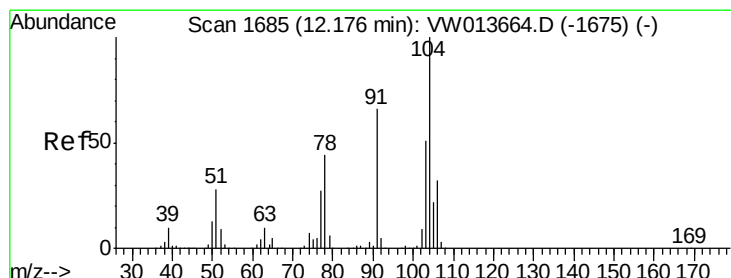
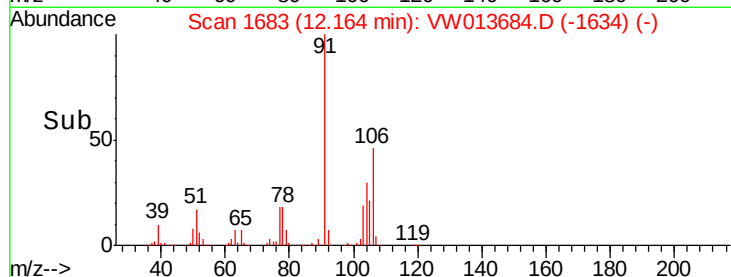
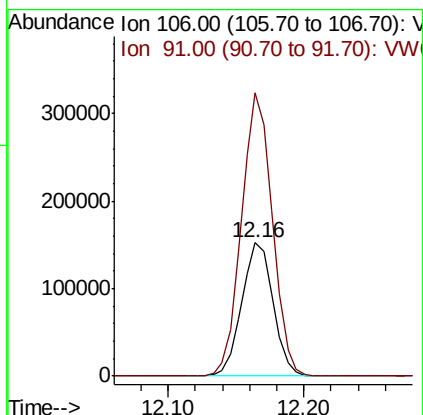
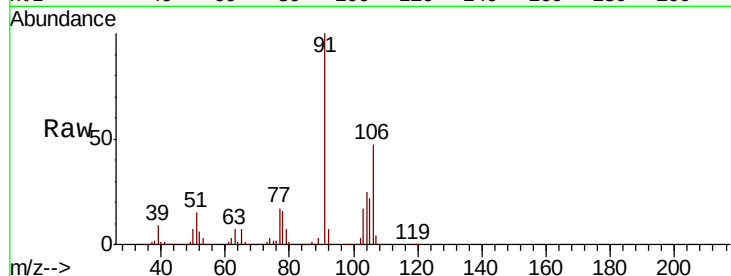




#69
o-Xylene
Concen: 49.367 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

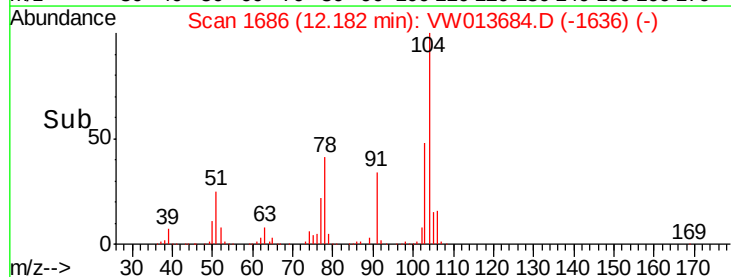
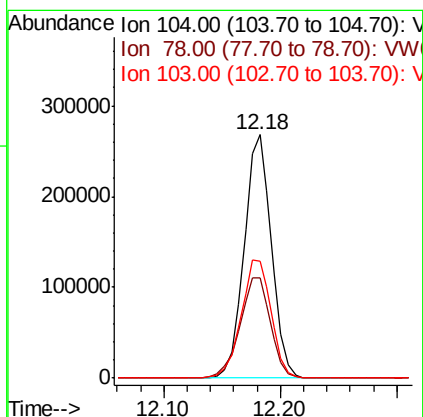
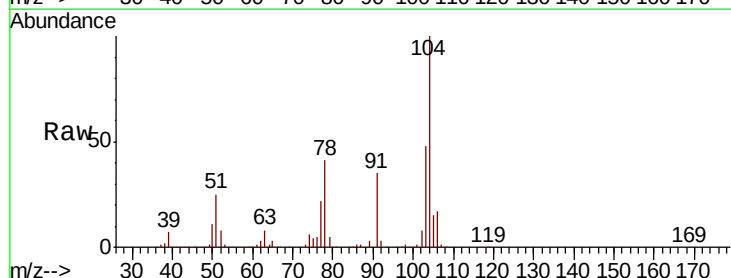
Instrument :
MSVOA_W
ClientSampled :

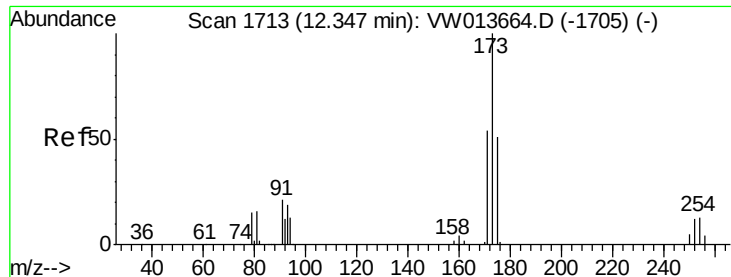
Tot Ion:106 Resp: 245287
Ion Ratio Lower Upper
106 100
91 209.2 104.9 314.7



#70
Styrene
Concen: 51.110 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:104 Resp: 436312
Ion Ratio Lower Upper
104 100
78 46.1 37.1 55.7
103 53.5 43.6 65.4





#71

Bromoform

Concen: 53.408 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

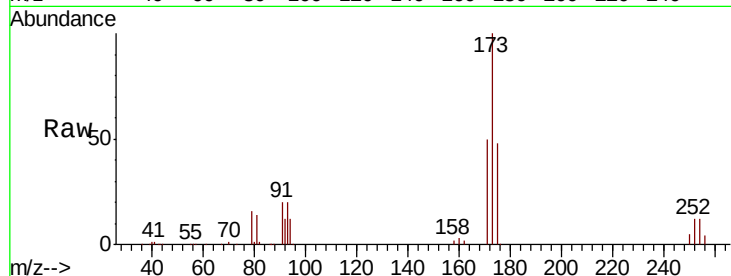
Tot Ion:173 Resp: 75897

Ion Ratio Lower Upper

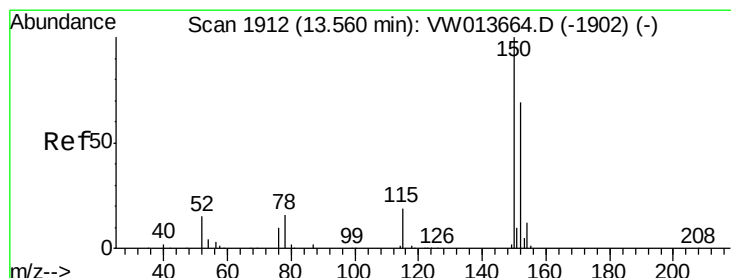
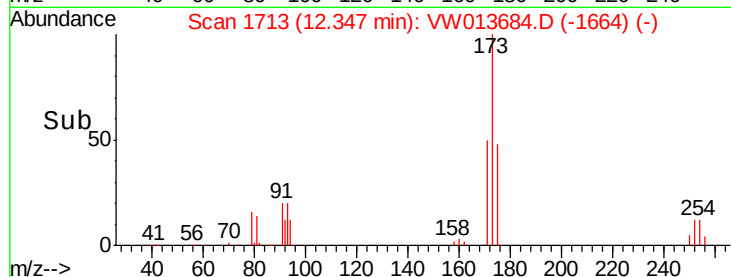
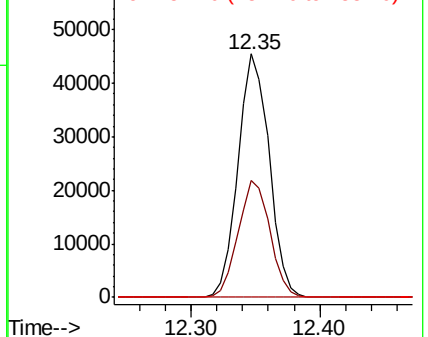
173 100

175 49.0 25.2 75.6

254 0.0 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: VW013684.D

Acq: 23 Oct 2019 22:43

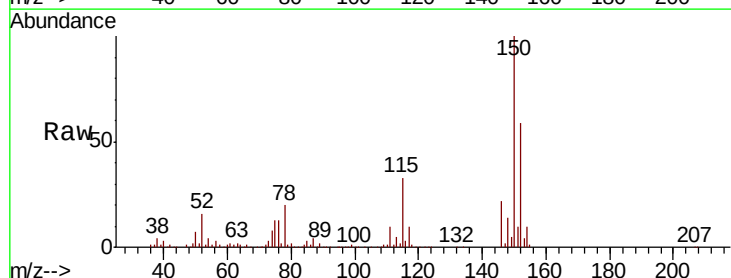
Tgt Ion:152 Resp: 190393

Ion Ratio Lower Upper

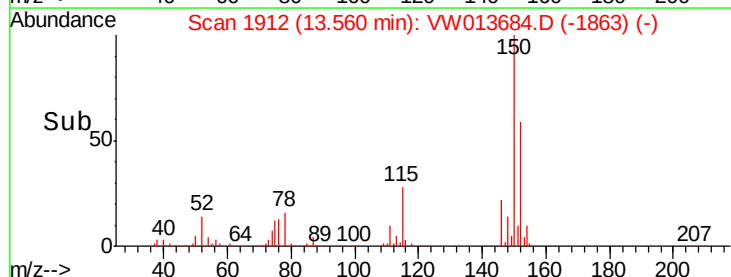
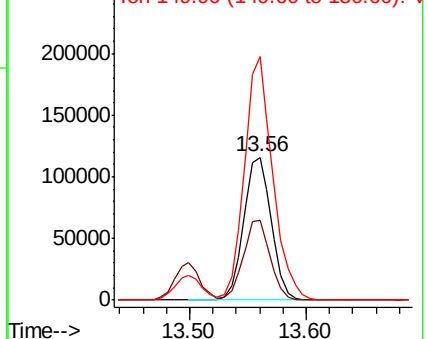
152 100

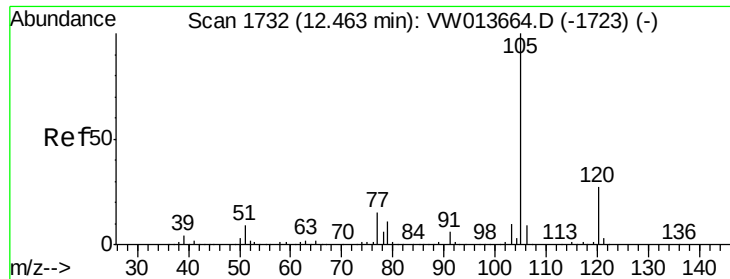
115 54.7 27.4 82.2

150 175.6 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: 51.064 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

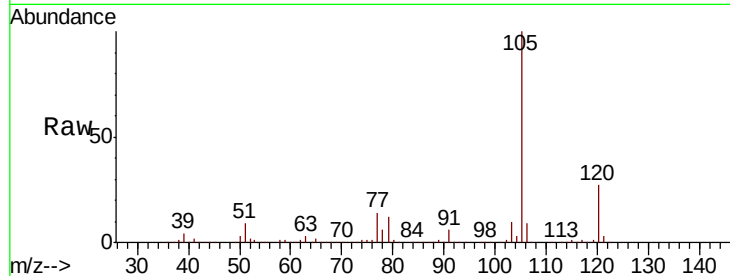
ClientSampleId :

Tot Ion:105 Resp: 698189

Ion Ratio Lower Upper

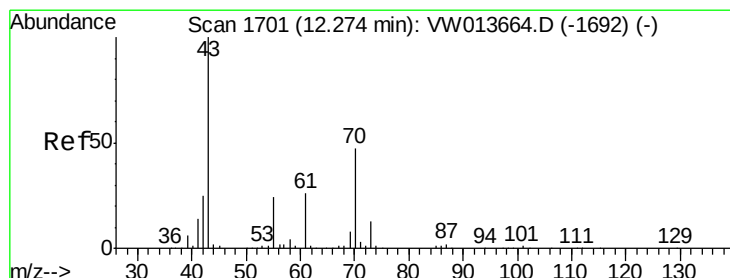
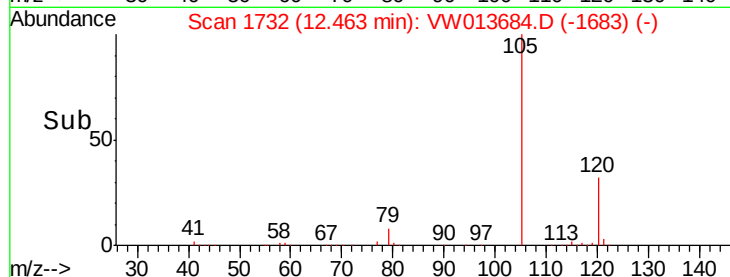
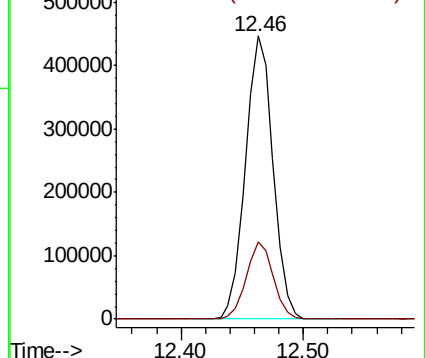
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.315 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion: 43 Resp: 146303

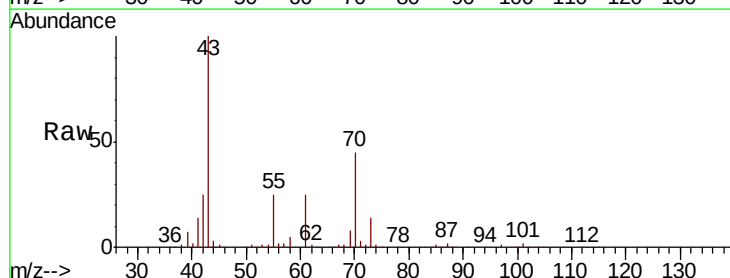
Ion Ratio Lower Upper

43 100

70 45.6 36.6 55.0

55 25.3 20.3 30.5

61 25.5 20.4 30.6

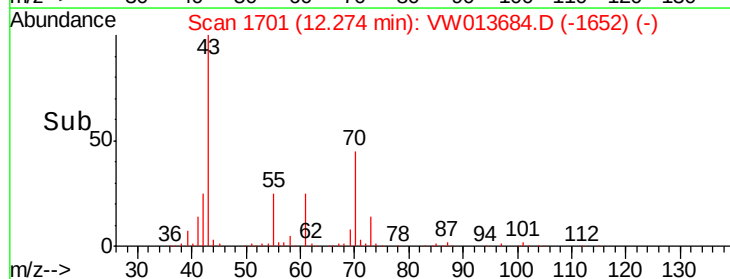
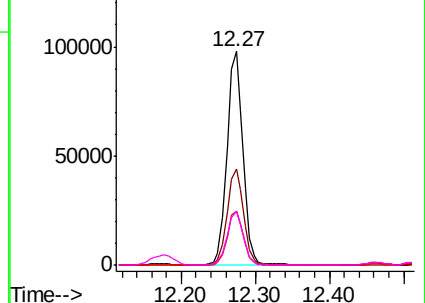


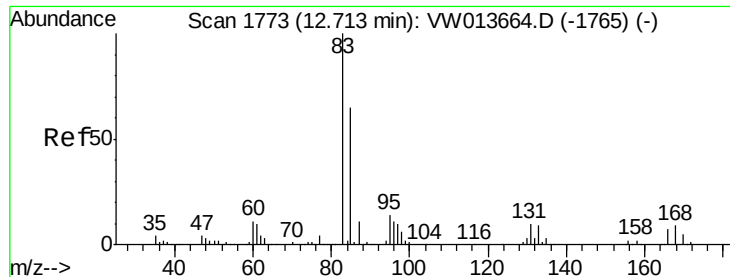
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 53.231 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

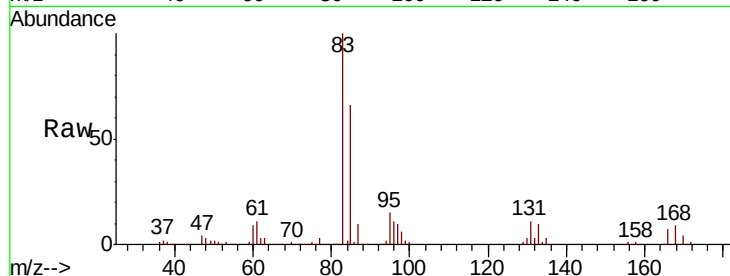
Tot Ion: 83 Resp: 114852

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

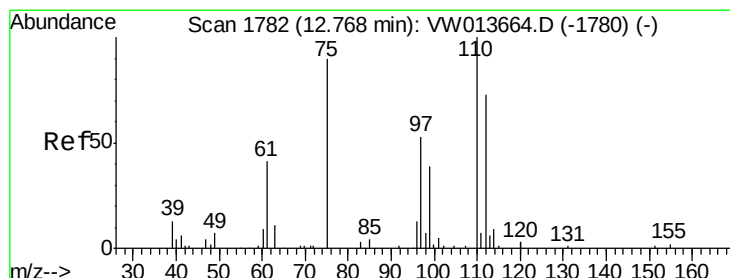
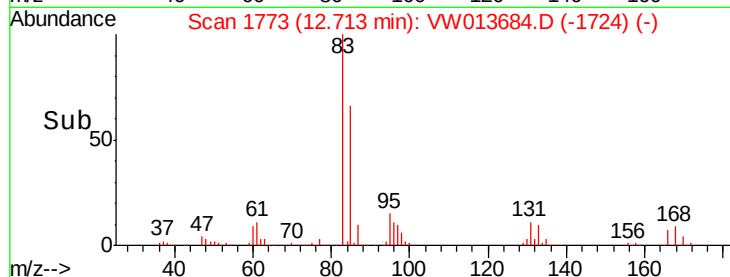
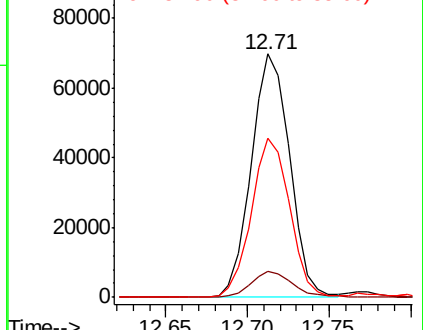
85 65.4 32.5 97.4



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: 106.076 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013684.D

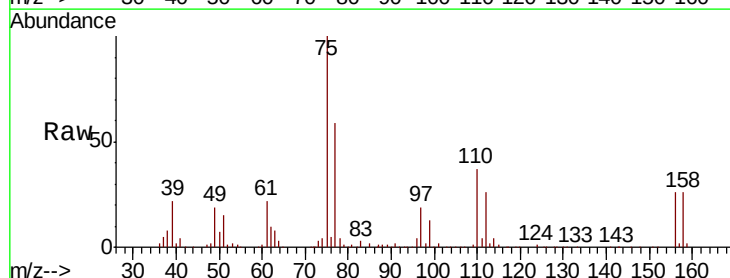
Acq: 23 Oct 2019 22:43

Tgt Ion: 75 Resp: 145036

Ion Ratio Lower Upper

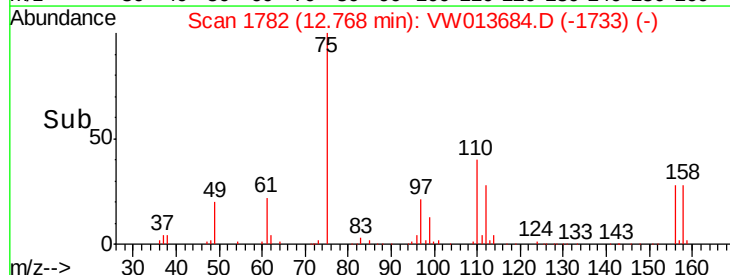
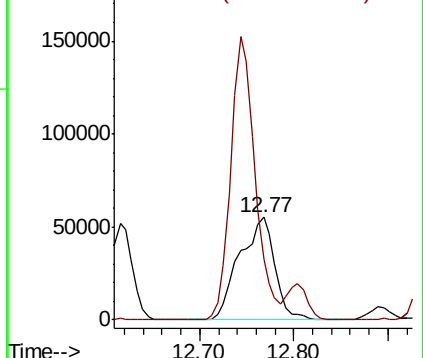
75 100

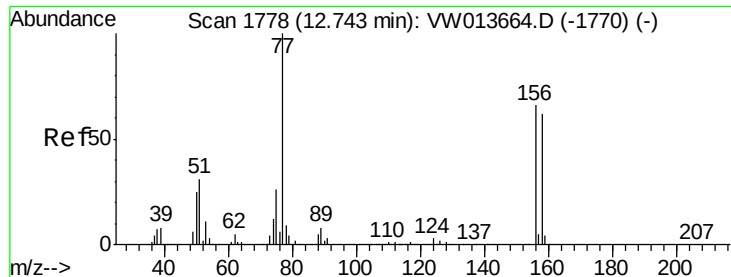
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.768 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

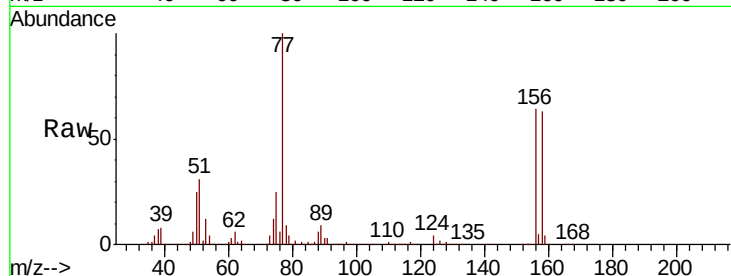
Tot Ion:156 Resp: 162555

Ion Ratio Lower Upper

156 100

77 169.3 82.9 248.7

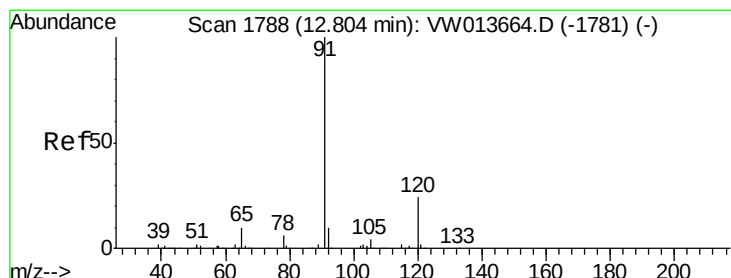
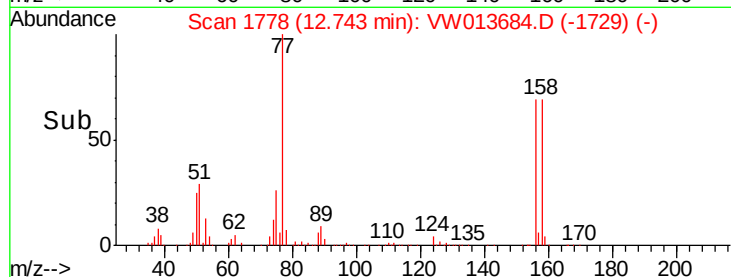
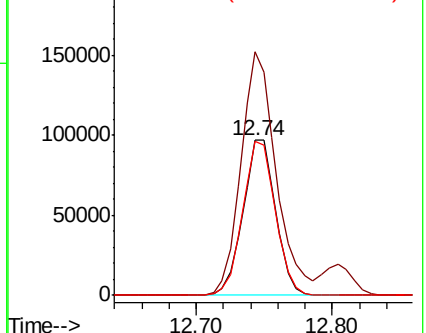
158 98.9 48.4 145.2



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: 50.280 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013684.D

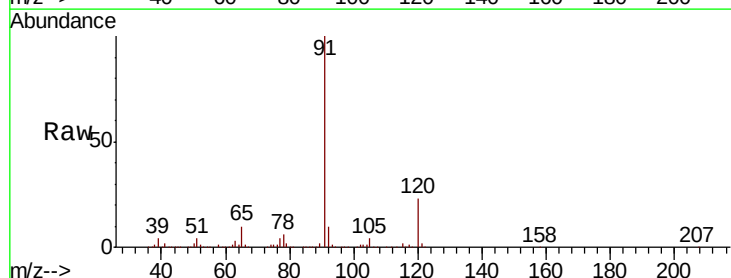
Acq: 23 Oct 2019 22:43

Tgt Ion: 91 Resp: 795694

Ion Ratio Lower Upper

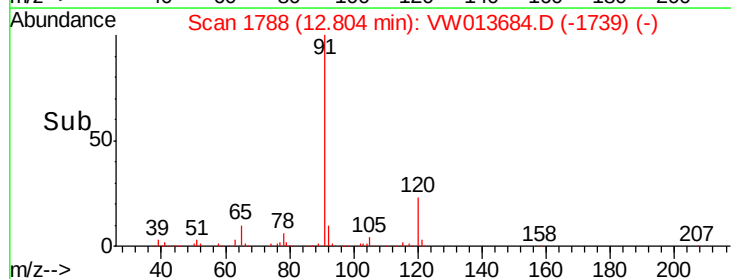
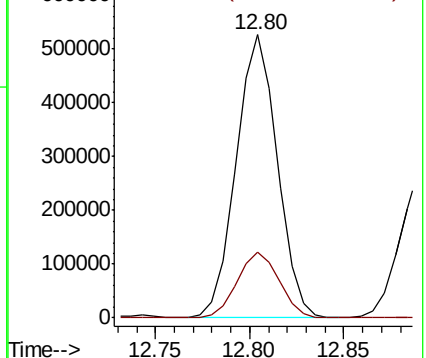
91 100

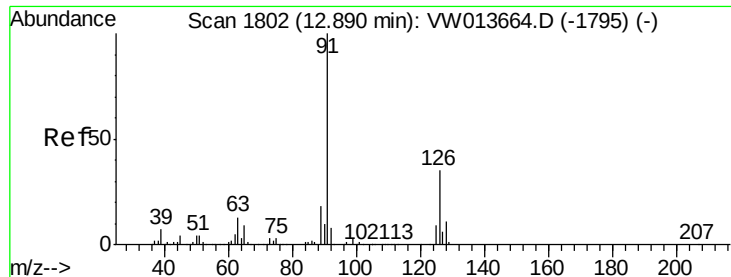
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.670 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

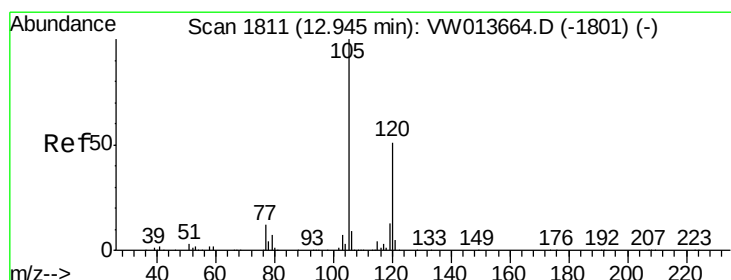
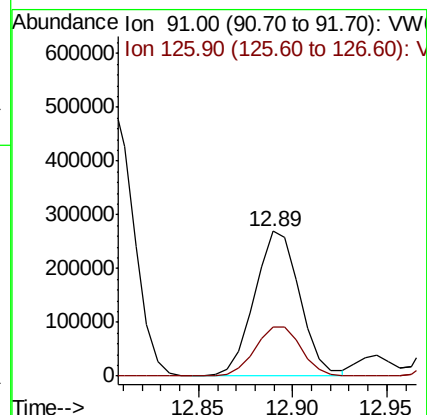
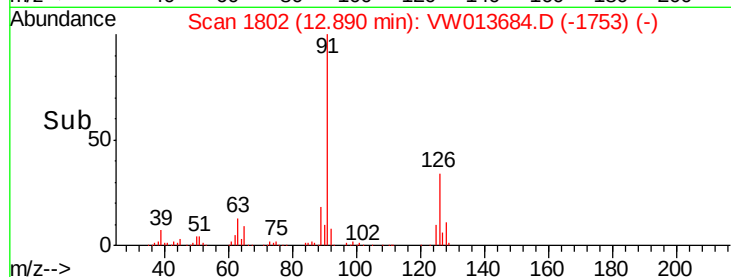
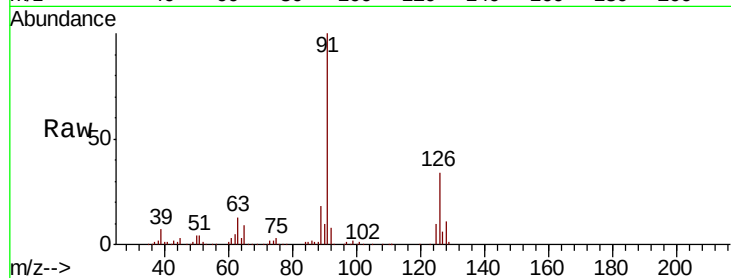
ClientSampled :

Tot Ion: 91 Resp: 450627

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 50.032 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013684.D

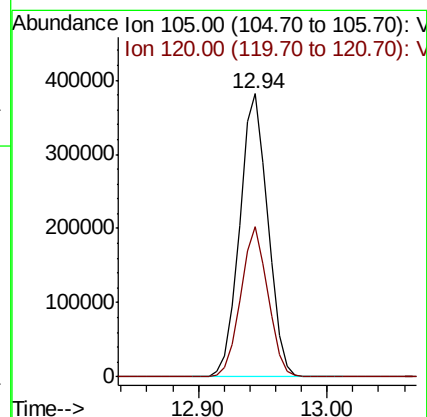
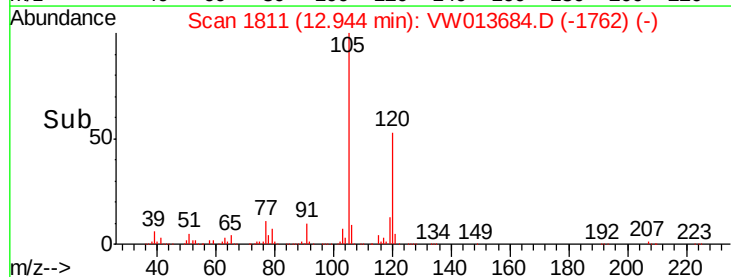
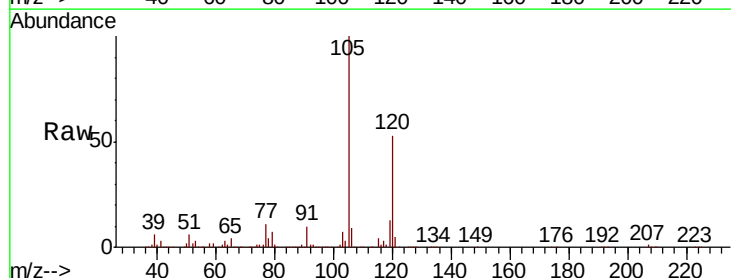
Acq: 23 Oct 2019 22:43

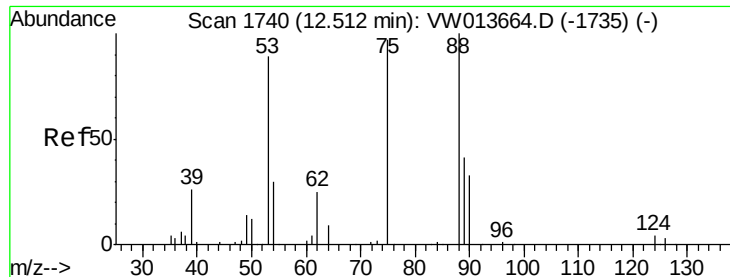
Tgt Ion:105 Resp: 577464

Ion Ratio Lower Upper

105 100

120 51.2 25.1 75.3

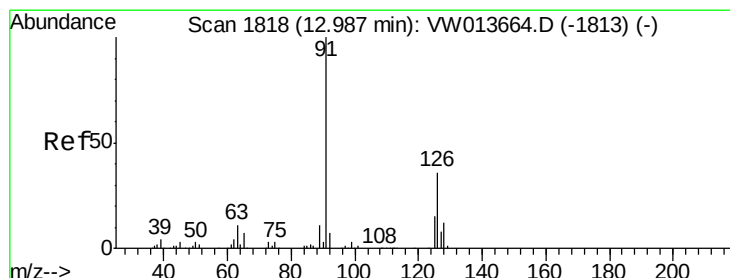
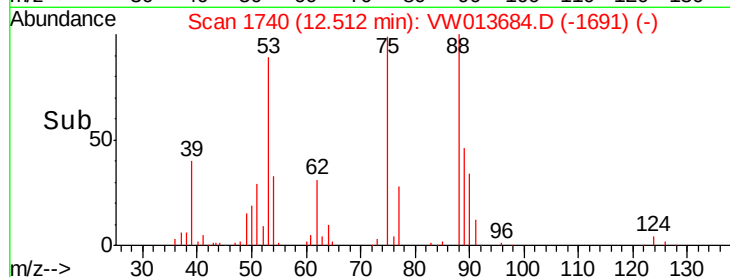
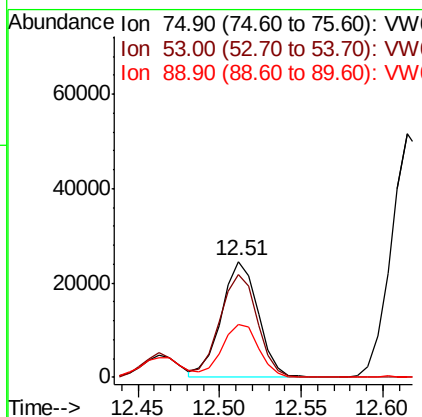
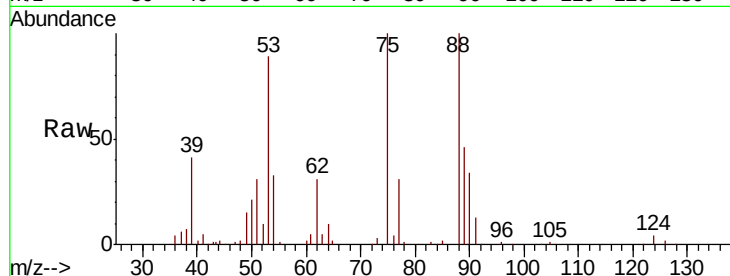




#81
trans-1,4-Dichloro-2-butene
Concen: 53.332 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

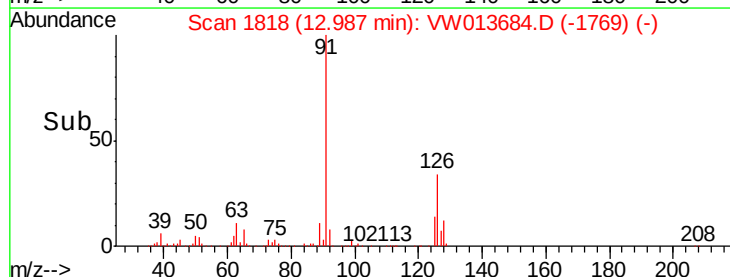
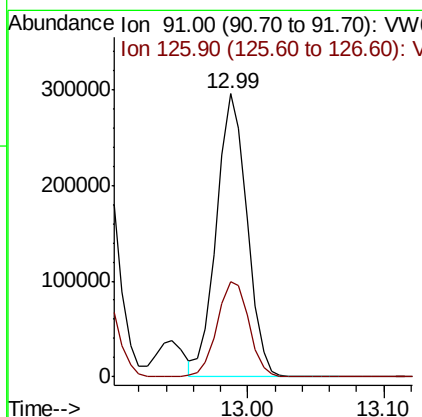
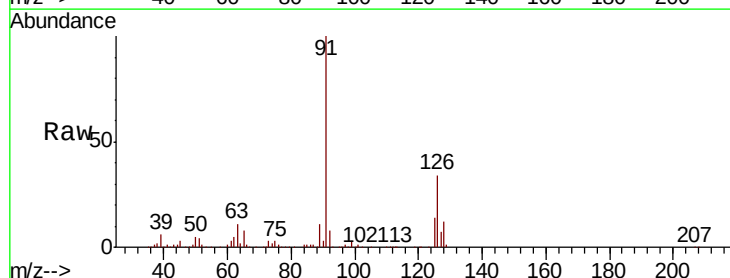
Instrument :
MSVOA_W
ClientSampled :

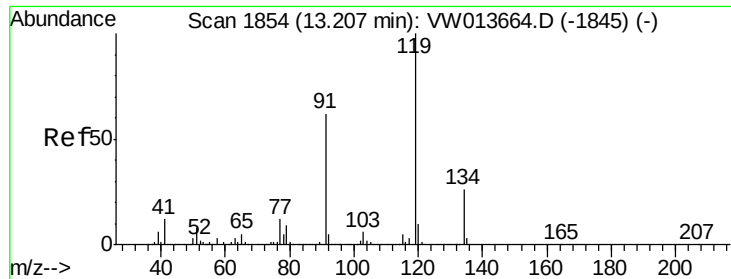
Tot Ion: 75 Resp: 38585
Ion Ratio Lower Upper
75 100
53 90.9 71.7 107.5
89 45.4 35.8 53.8



#82
4-Chlorotoluene
Concen: 49.175 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 91 Resp: 459125
Ion Ratio Lower Upper
91 100
126 35.0 17.2 51.5

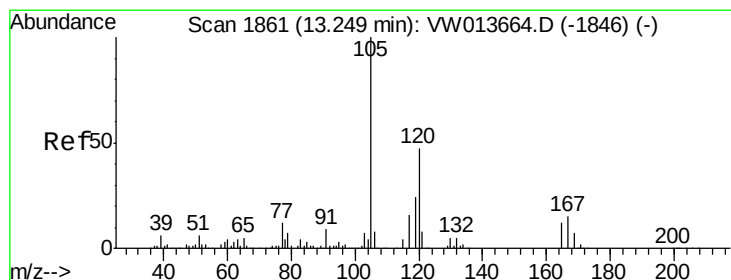
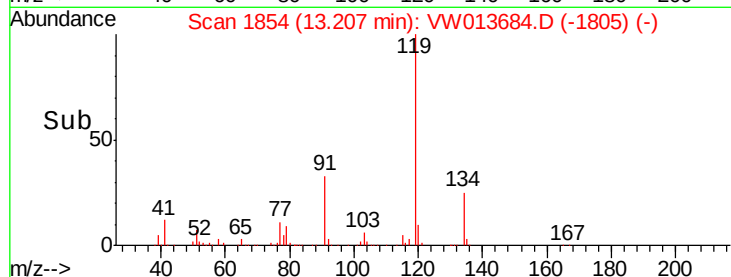
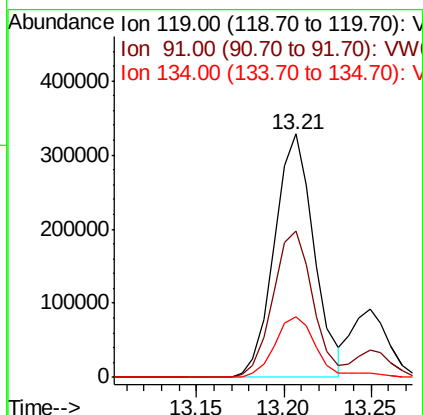
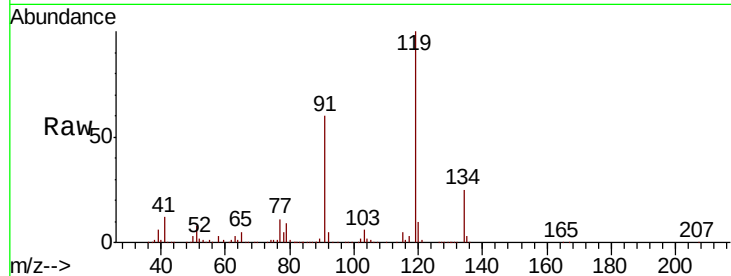




#83
 tert-Butylbenzene
 Concen: 50.609 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

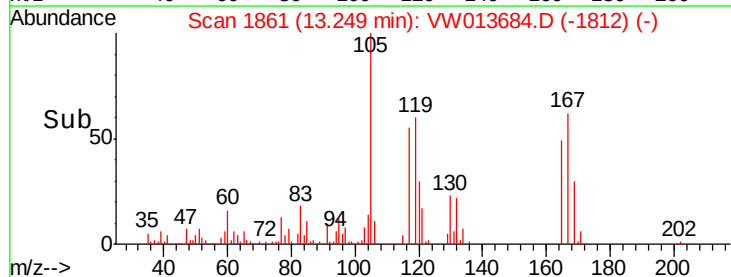
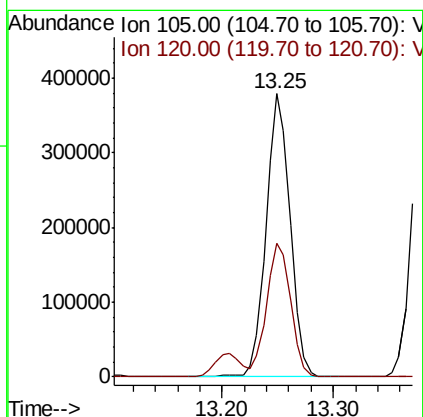
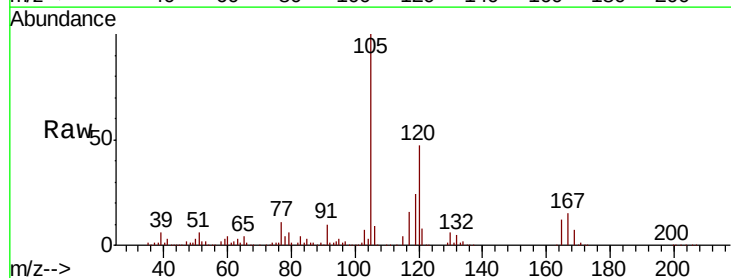
Instrument :
 MSVOA_W
 ClientSampleId :

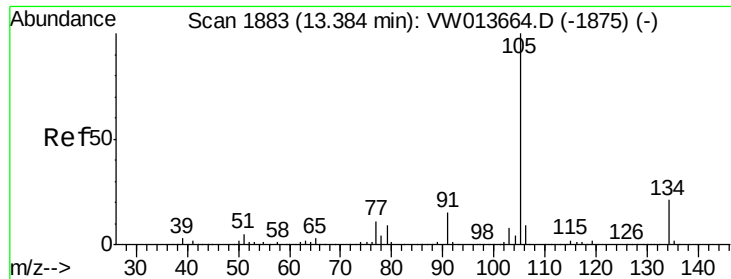
Tot Ion:119 Resp: 518505
 Ion Ratio Lower Upper
 119 100
 91 60.4 30.4 91.3
 134 27.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.172 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion:105 Resp: 571233
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.5 70.5

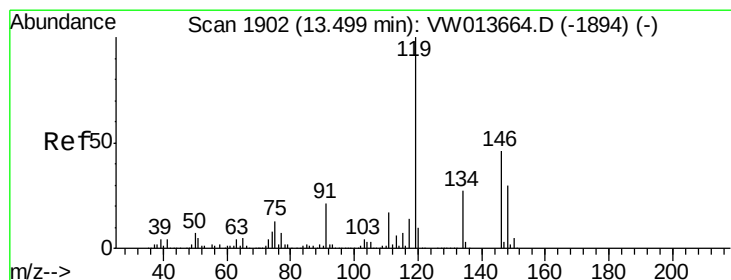
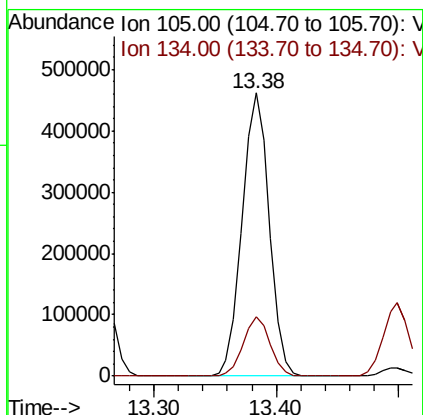
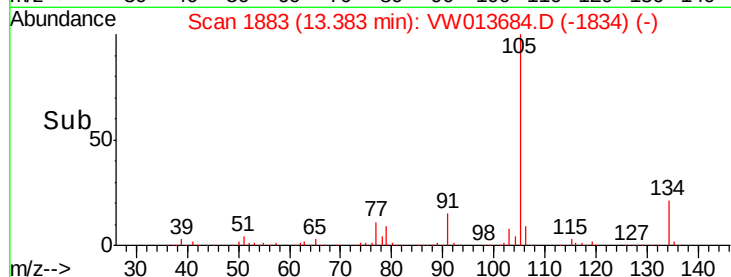
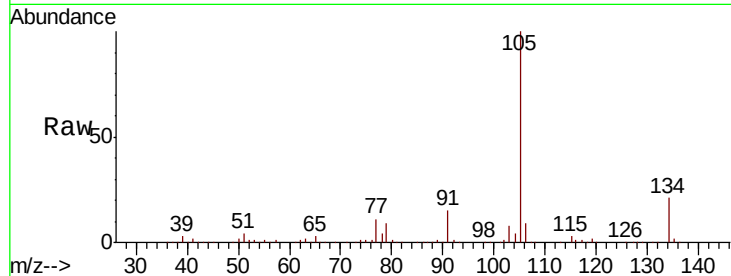




#85
 sec-Butylbenzene
 Concen: 50.646 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

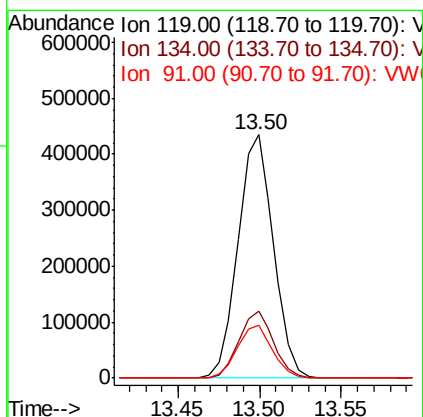
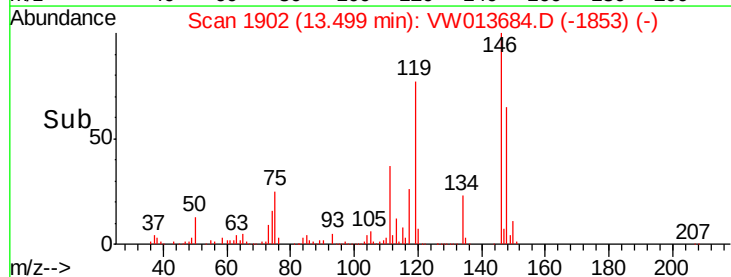
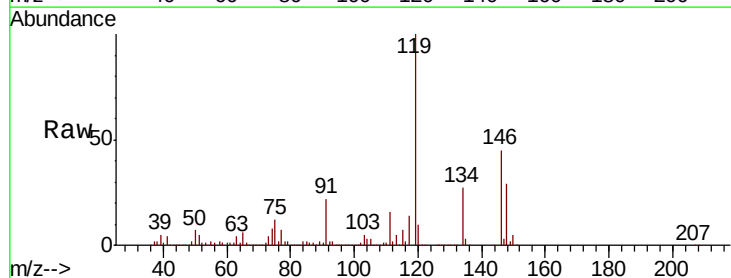
Instrument :
 MSVOA_W
 ClientSampled :

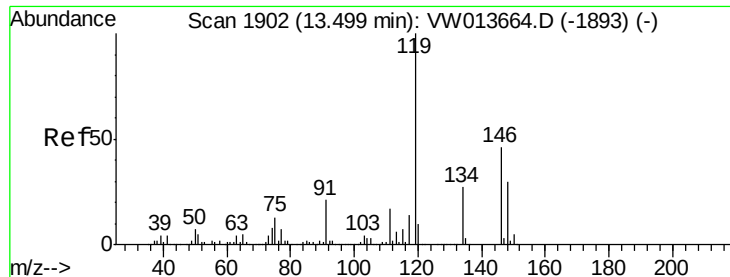
Tot Ion:105 Resp: 709556
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 50.166 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion:119 Resp: 654688
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 21.4 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 49.503 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

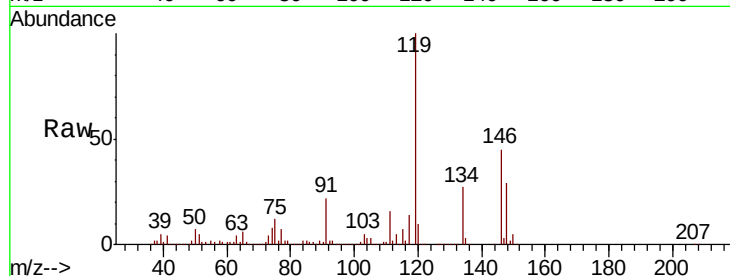
Tot Ion:146 Resp: 313274

Ion Ratio Lower Upper

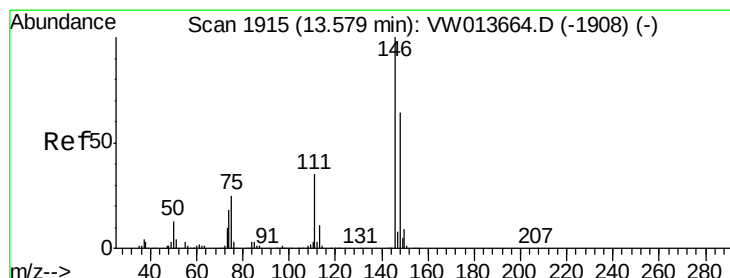
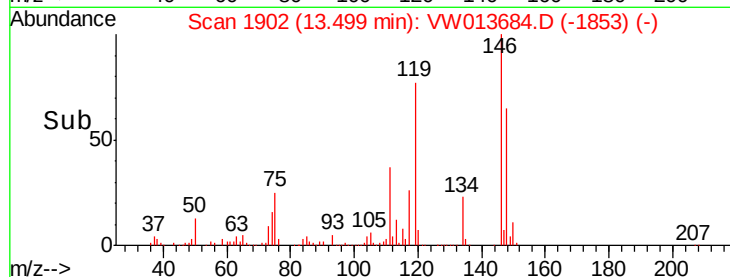
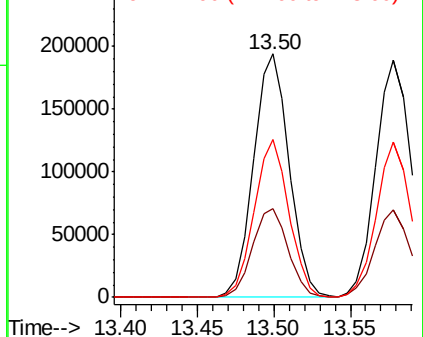
146 100

111 36.7 18.6 56.0

148 63.5 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 48.446 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

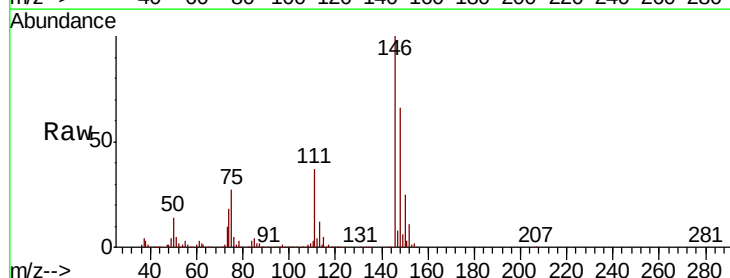
Tgt Ion:146 Resp: 304578

Ion Ratio Lower Upper

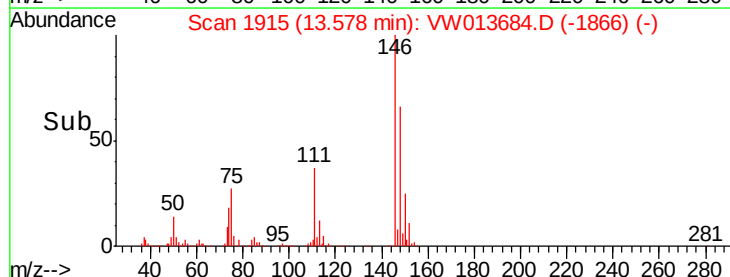
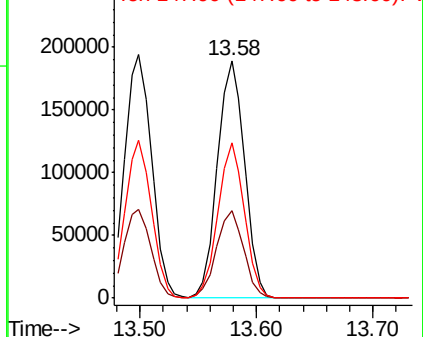
146 100

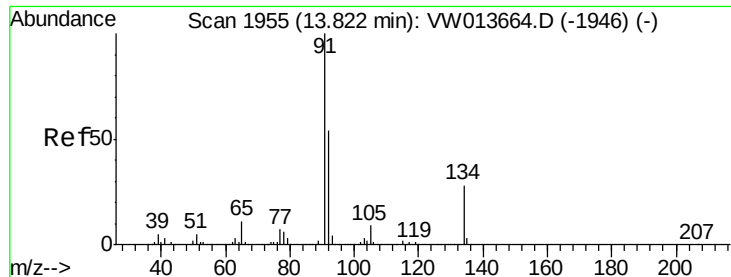
111 37.0 18.1 54.3

148 63.6 32.0 96.2



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





#89

n-Butylbenzene

Concen: 49.915 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampled :

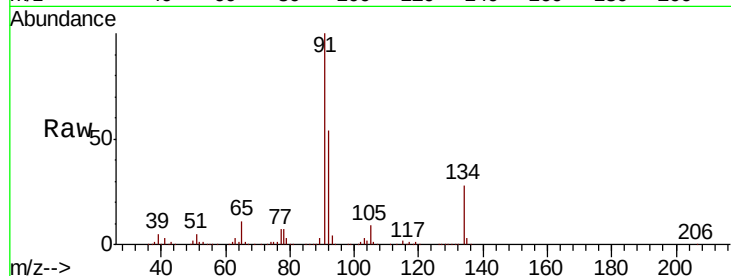
Tot Ion: 91 Resp: 587987

Ion Ratio Lower Upper

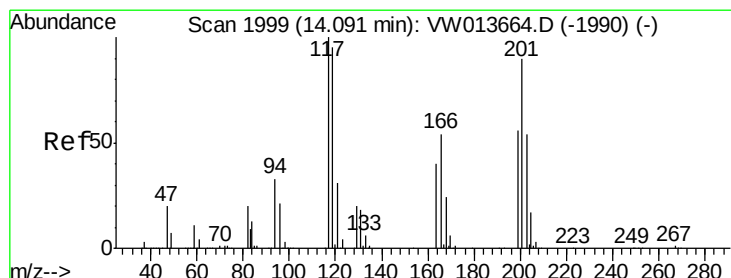
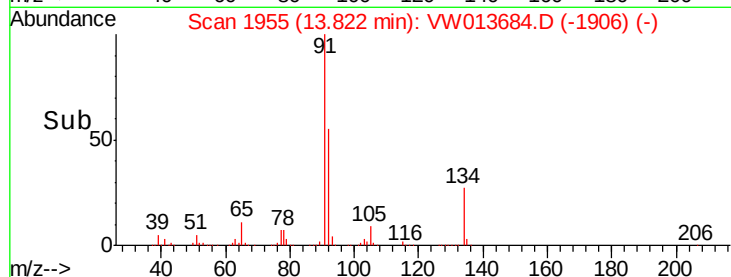
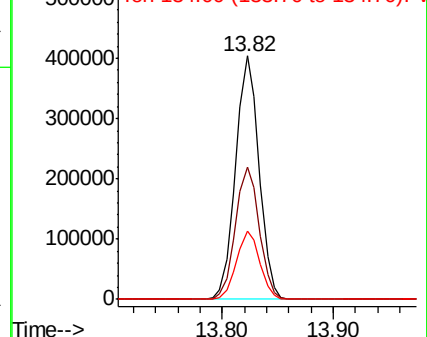
91 100

92 55.1 27.5 82.4

134 28.1 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.107 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013684.D

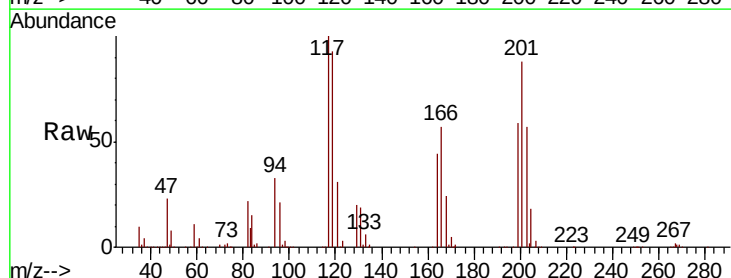
Acq: 23 Oct 2019 22:43

Tgt Ion: 117 Resp: 113662

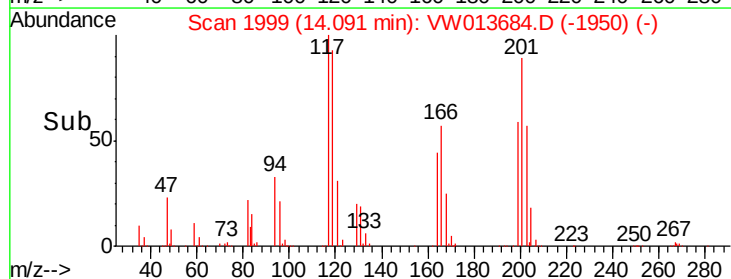
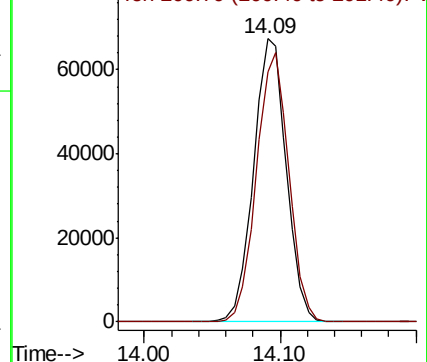
Ion Ratio Lower Upper

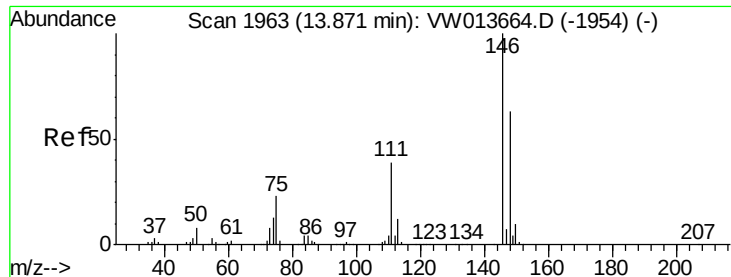
117 100

201 94.4 46.1 138.2



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

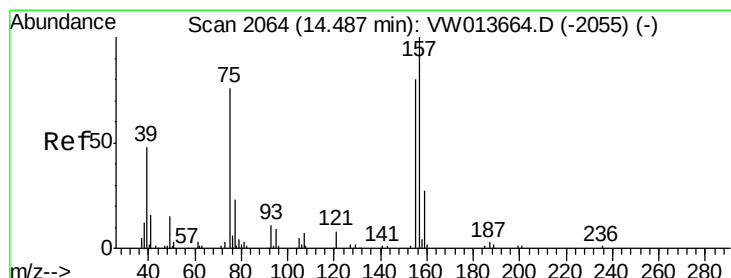
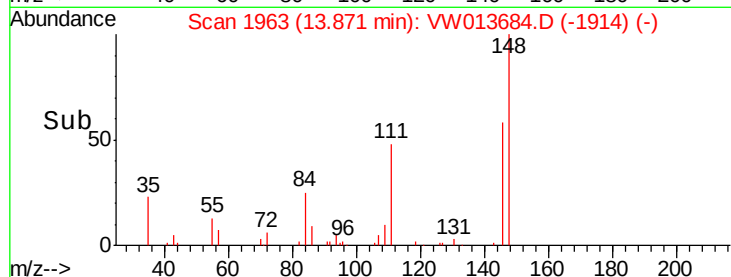
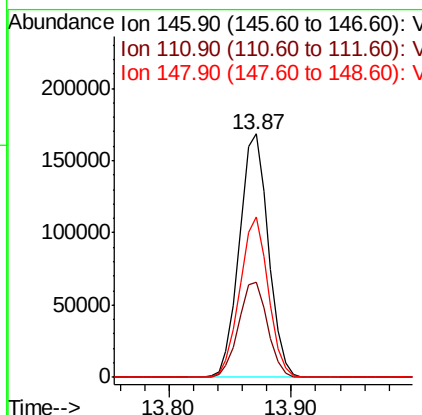
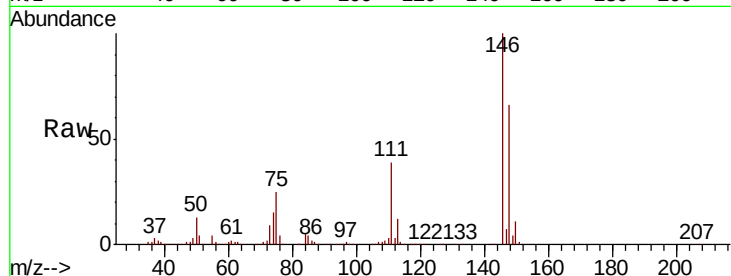




#91
 1,2-Dichlorobenzene
 Concen: 50.303 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

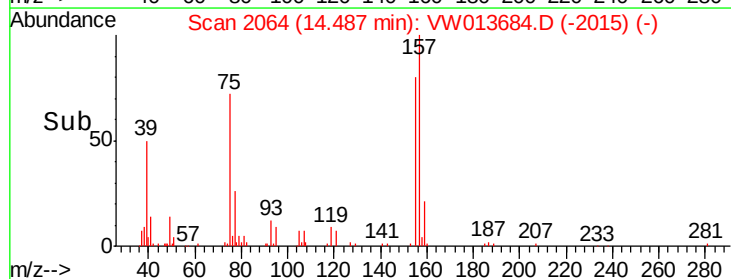
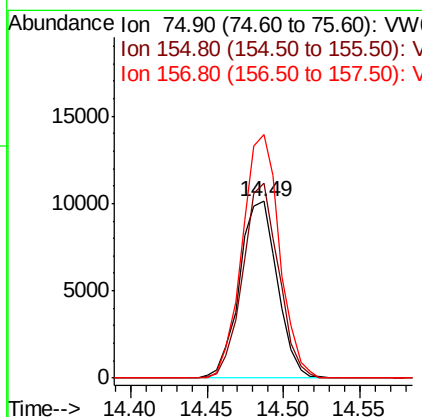
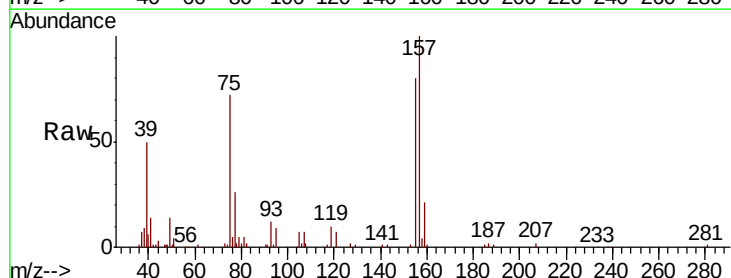
Instrument :
 MSVOA_W
 ClientSampled :

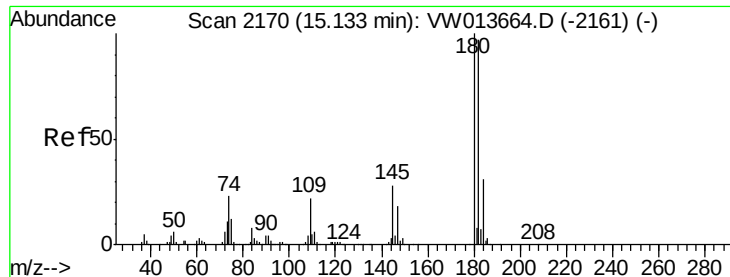
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.5	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.484 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.0	51.9	155.7
157	134.8	64.8	194.3

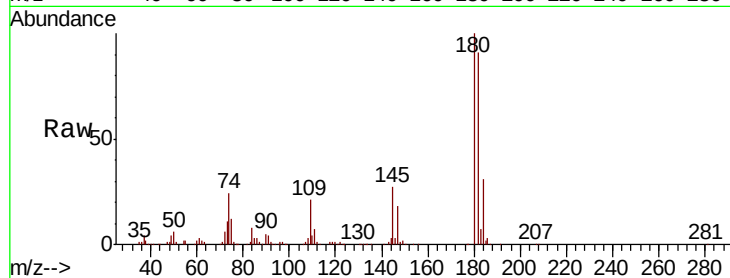




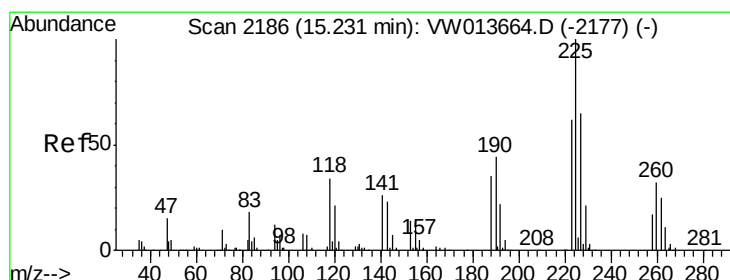
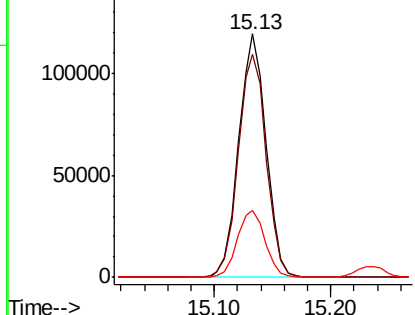
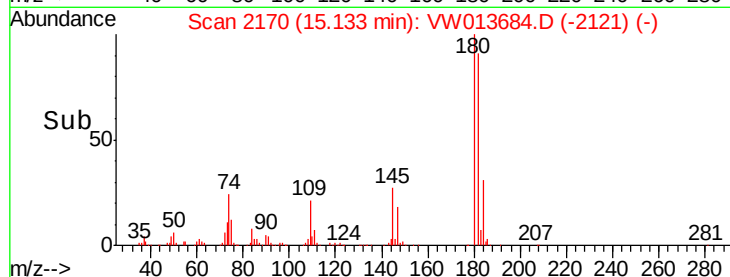
#93
 1,2,4-Trichlorobenzene
 Concen: 48.864 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.2
145	28.0	14.1	42.3

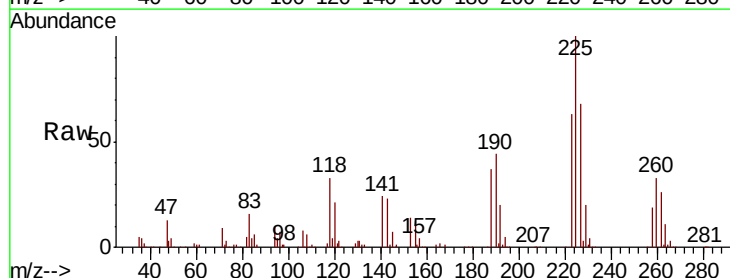


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

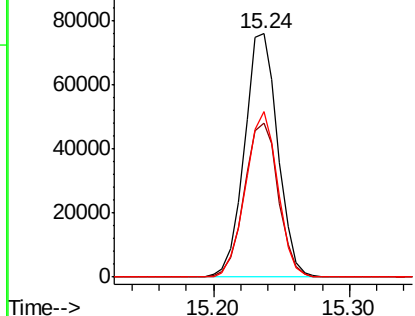
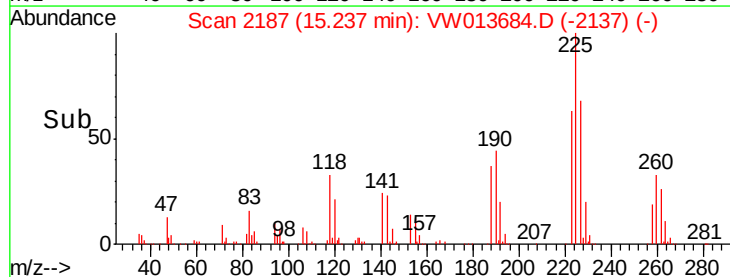


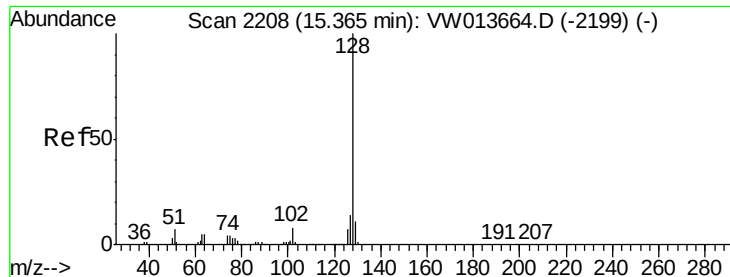
#94
 Hexachlorobutadiene
 Concen: 48.206 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.9
227	65.8	32.5	97.4



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

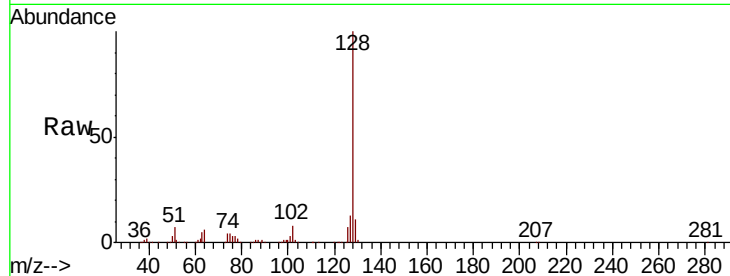




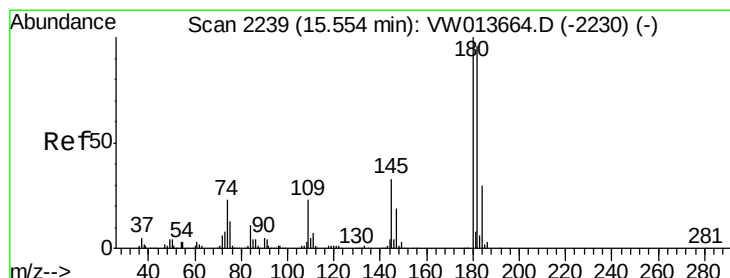
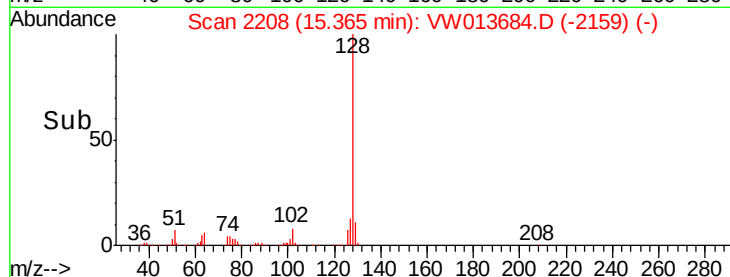
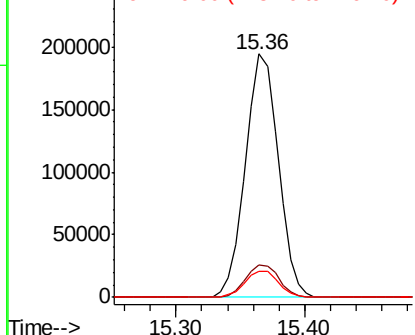
#95
Naphthalene
Concen: 54.819 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 343224
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.1 8.7 13.1

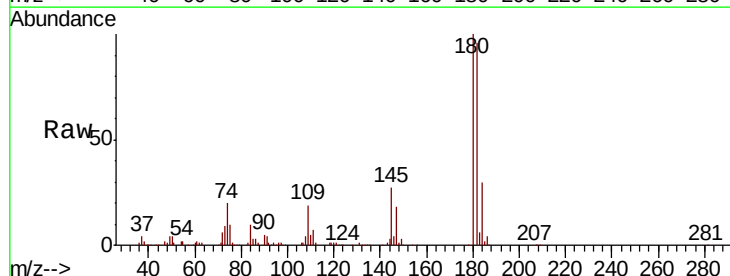


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.968 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:180 Resp: 171938
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.3
145 29.0 14.9 44.9



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

