

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013328.D
 Acq On : 30 Sep 2019 13:08
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:28:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142516	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.88	113	145387	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.32	98	596939	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	205342	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35772	18.157	ug/l	100
3) Chloromethane	2.21	50	47567	18.782	ug/l	98
4) Vinyl Chloride	2.36	62	61932	18.968	ug/l	99
5) Bromomethane	2.77	94	39788	19.229	ug/l	93
6) Chloroethane	2.92	64	35665	18.531	ug/l	93
7) Trichlorofluoromethane	3.25	101	32948	17.500	ug/l	98
8) Diethyl Ether	3.68	74	32195	20.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59239	19.326	ug/l	98
10) Methyl Iodide	4.27	142	91847	19.327	ug/l	99
11) Tert butyl alcohol	5.18	59	26523	127.210	ug/l	97
12) 1,1-Dichloroethene	4.04	96	61352	19.329	ug/l	94
13) Acrolein	3.89	56	14117	87.975	ug/l	95
14) Allyl chloride	4.67	41	96142	19.032	ug/l	100
15) Acrylonitrile	5.37	53	69031	99.453	ug/l	99
16) Acetone	4.12	43	61541	97.898	ug/l	97
17) Carbon Disulfide	4.38	76	173689	18.932	ug/l	100
18) Methyl Acetate	4.67	43	33963	19.220	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	94838	19.495	ug/l	98
20) Methylene Chloride	4.92	84	73255	21.107	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	67150	19.574	ug/l	95
22) Diisopropyl ether	6.31	45	188927	19.668	ug/l	99
23) Vinyl Acetate	6.25	43	552373	96.928	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113579	19.594	ug/l	100
25) 2-Butanone	7.17	43	91244	96.691	ug/l	98
26) 2,2-Dichloropropane	7.16	77	73815	19.233	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	72400	19.998	ug/l	99
28) Bromochloromethane	7.51	49	39228	17.633	ug/l #	98
29) Tetrahydrofuran	7.53	42	55524	95.943	ug/l	96
30) Chloroform	7.67	83	109512	19.297	ug/l	98
31) Cyclohexane	7.95	56	114208	18.901	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	90195	19.623	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92714	19.748	ug/l	100
37) Ethyl Acetate	7.25	43	41570	20.834	ug/l	96
38) Carbon Tetrachloride	8.07	117	82625	19.632	ug/l	99

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

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:28:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117765	19.519	ug/l	97
40) Benzene	8.32	78	261071	19.936	ug/l	99
41) Methacrylonitrile	7.48	41	25249	21.202	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69154	19.644	ug/l	100
43) Isopropyl Acetate	8.42	43	74995	19.611	ug/l	98
44) Trichloroethene	9.09	130	73176	19.916	ug/l	97
45) 1,2-Dichloropropane	9.37	63	64429	20.152	ug/l	100
46) Dibromomethane	9.46	93	31486	20.285	ug/l	97
47) Bromodichloromethane	9.65	83	79185	20.049	ug/l	99
48) Methyl methacrylate	9.43	41	37328	20.758	ug/l	97
49) 1,4-Dioxane	9.45	88	10104	433.658	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	189854	99.029	ug/l	99
52) Toluene	10.38	92	169255	20.167	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79897	19.690	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99208	20.108	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45693	19.695	ug/l	96
56) Ethyl methacrylate	10.65	69	61427	20.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	79943	19.746	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	144724	102.960	ug/l	98
59) 2-Hexanone	10.97	43	130317	98.800	ug/l	100
60) Dibromochloromethane	11.13	129	53229	20.206	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44212	20.043	ug/l	96
64) Tetrachloroethene	10.86	164	64542	20.234	ug/l	97
65) Chlorobenzene	11.66	112	176687	20.126	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	63121	21.046	ug/l	97
67) Ethyl Benzene	11.73	91	321170	20.191	ug/l	98
68) m/p-Xylenes	11.84	106	244684	40.367	ug/l	99
69) o-Xylene	12.16	106	114192	20.263	ug/l	98
70) Styrene	12.18	104	198513	20.518	ug/l	99
71) Bromoform	12.35	173	31671	19.988	ug/l #	96
73) Isopropylbenzene	12.46	105	318086	19.989	ug/l	99
74) N-amyl acetate	12.27	43	67424	19.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51448	19.332	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	67053	35.246	ug/l #	100
77) Bromobenzene	12.74	156	75461	20.011	ug/l	100
78) n-propylbenzene	12.80	91	366902	19.698	ug/l	99
79) 2-Chlorotoluene	12.89	91	205888	19.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	265729	19.865	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17372	20.490	ug/l	98
82) 4-Chlorotoluene	12.99	91	218864	19.889	ug/l	99
83) tert-Butylbenzene	13.21	119	232977	19.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	265478	19.945	ug/l	99
85) sec-Butylbenzene	13.38	105	320832	19.821	ug/l	100
86) p-Isopropyltoluene	13.50	119	297375	19.807	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	146361	20.167	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146145	20.533	ug/l	99
89) n-Butylbenzene	13.82	91	273335	19.939	ug/l	99
90) Hexachloroethane	14.09	117	51036	20.235	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	128918	20.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7962	19.560	ug/l	95

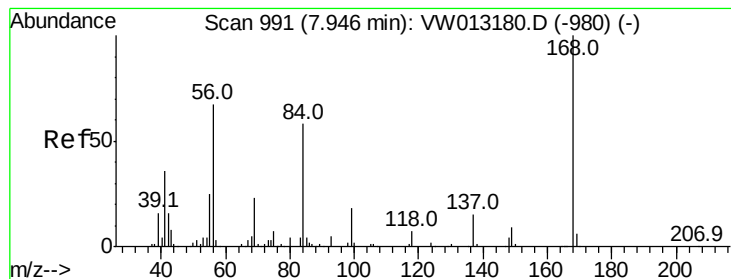
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 30 17:28:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92399	20.537	ug/l	99
94) Hexachlorobutadiene	15.24	225	61153	19.868	ug/l	99
95) Naphthalene	15.36	128	148158	20.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	80368	20.673	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

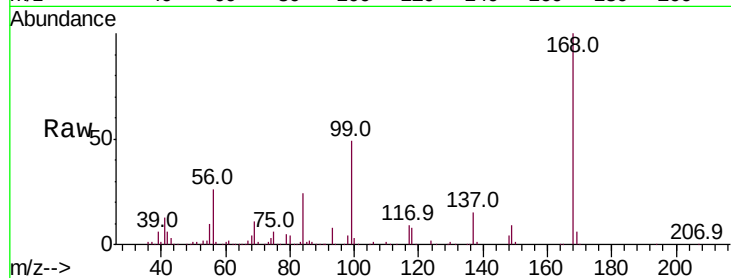
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 341550

Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

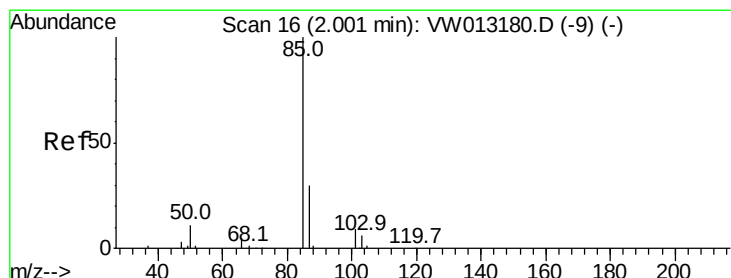
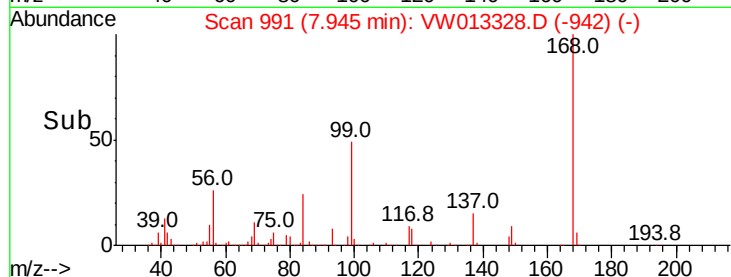
100000

50000

0

7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.157 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013328.D

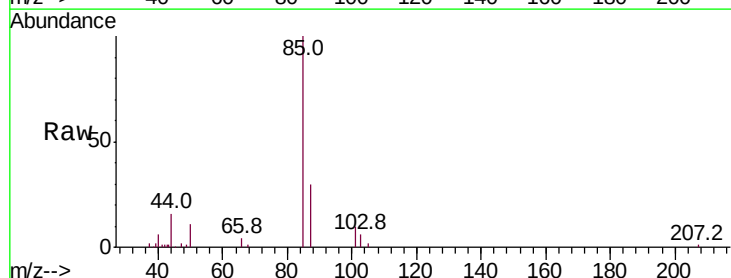
Acq: 30 Sep 2019 13:08

Tgt Ion: 85 Resp: 35772

Ion Ratio Lower Upper

85 100

87 30.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

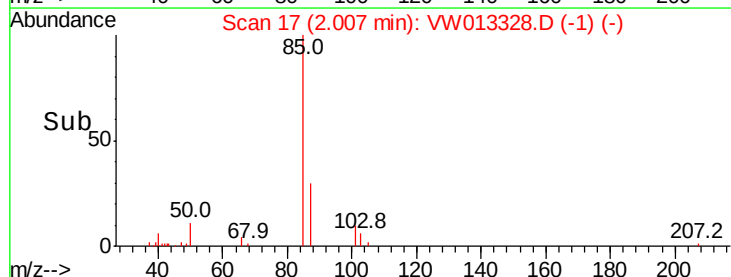
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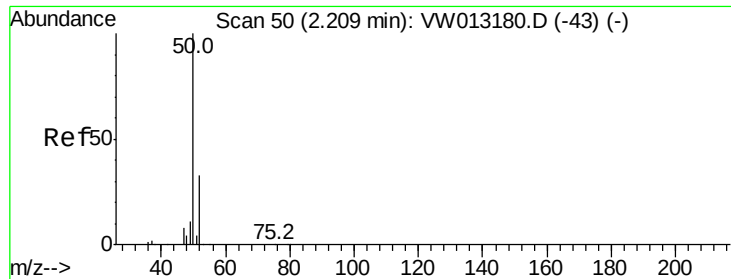
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.782 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

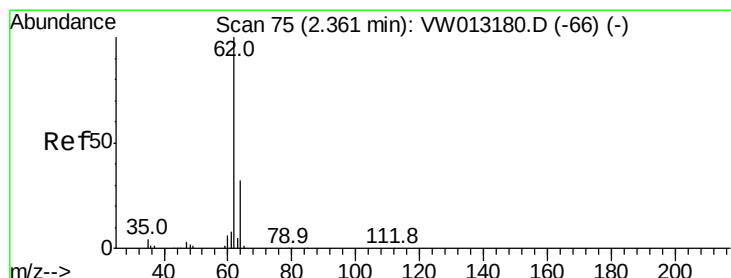
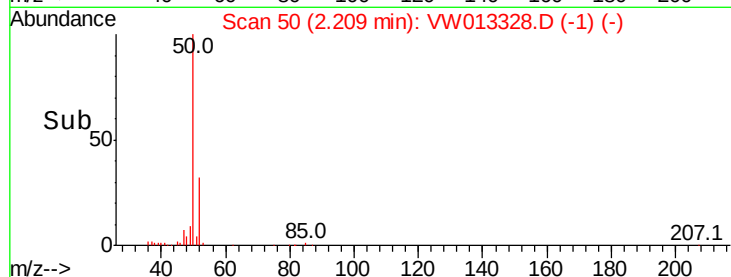
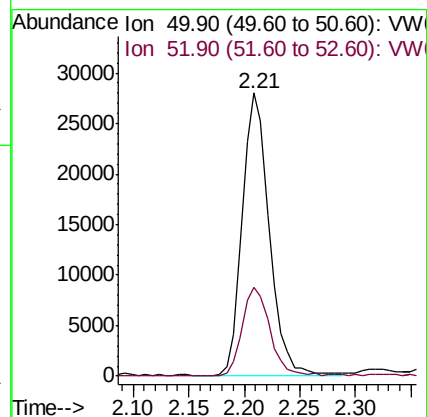
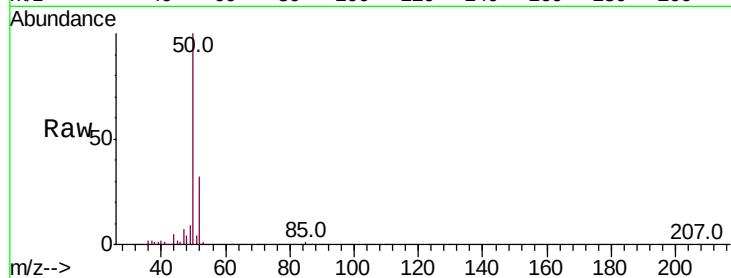
ClientSampleId :

Tot Ion: 50 Resp: 47567

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1



#4

Vinyl Chloride

Concen: 18.968 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013328.D

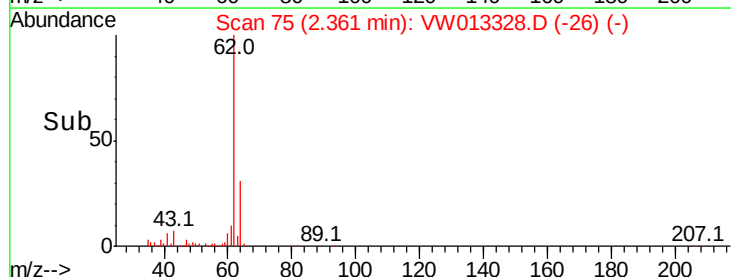
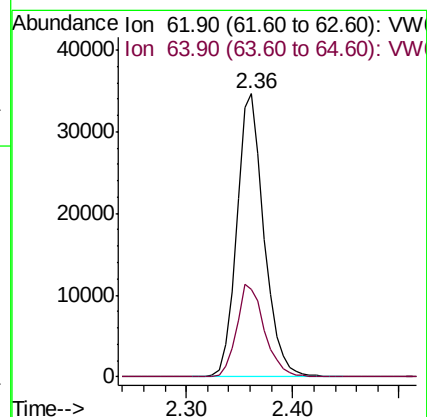
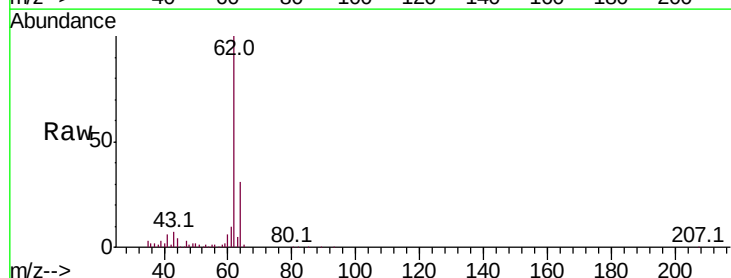
Acq: 30 Sep 2019 13:08

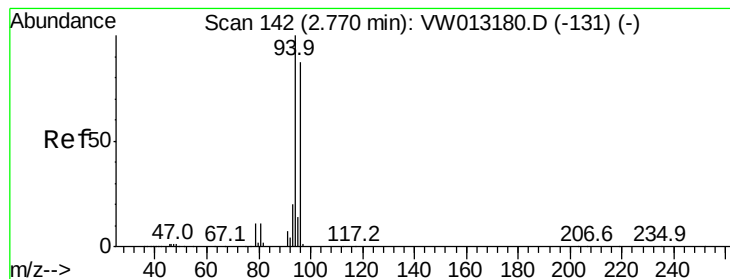
Tgt Ion: 62 Resp: 61932

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 19.229 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

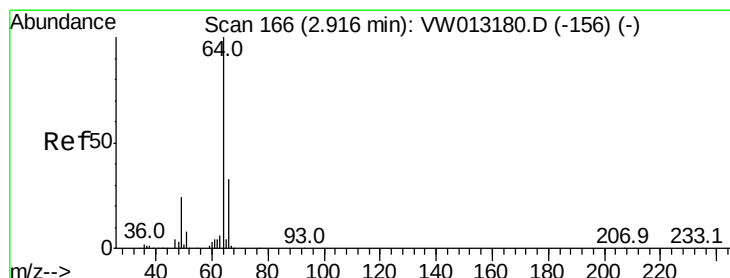
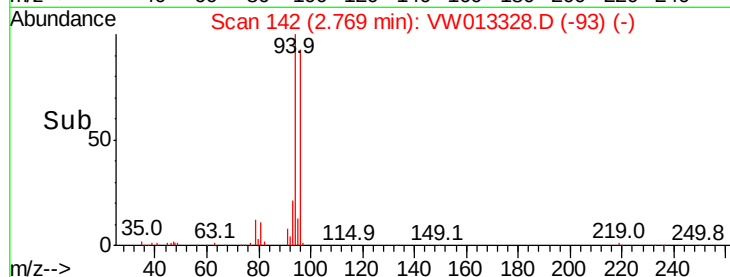
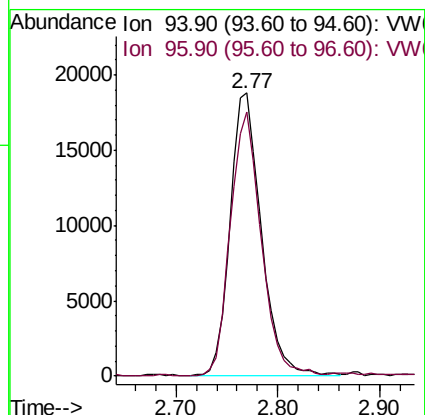
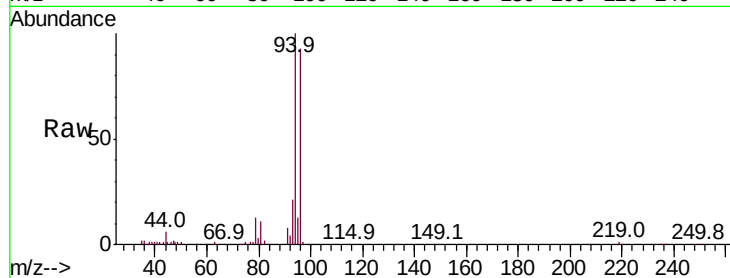
ClientSampleId :

Tot Ion: 94 Resp: 39788

Ion Ratio Lower Upper

94 100

96 93.5 69.7 104.5



#6

Chloroethane

Concen: 18.531 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013328.D

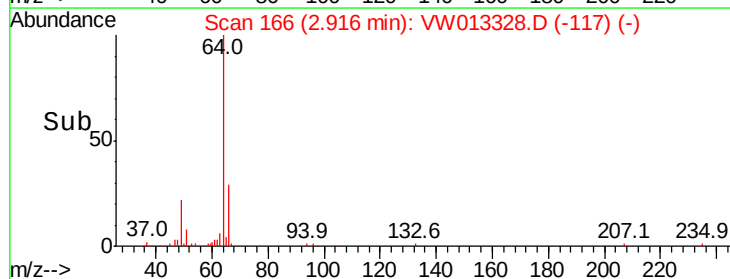
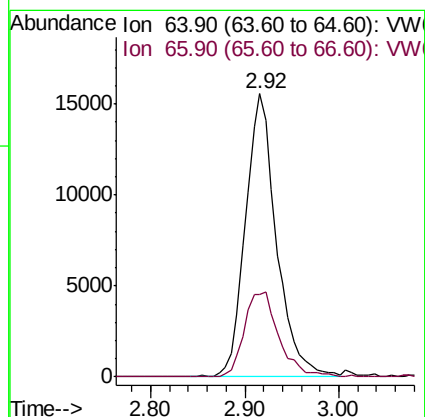
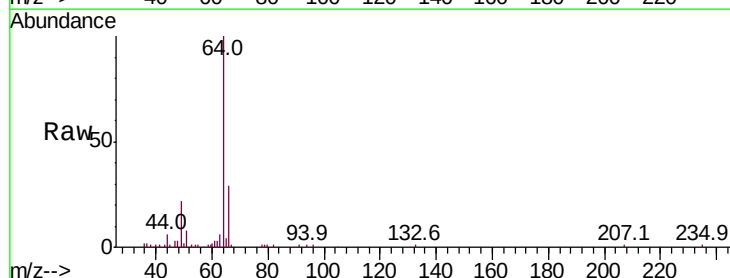
Acq: 30 Sep 2019 13:08

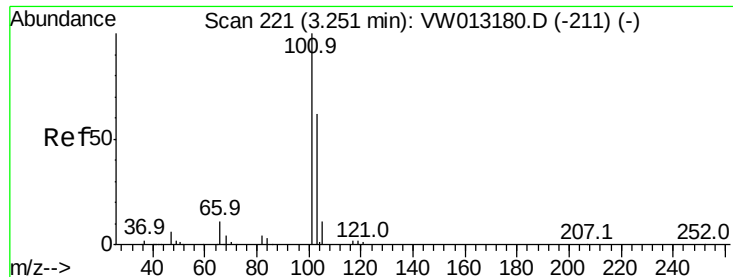
Tgt Ion: 64 Resp: 35665

Ion Ratio Lower Upper

64 100

66 29.0 26.6 39.8



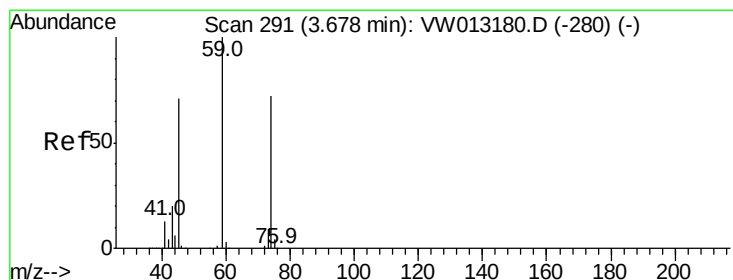
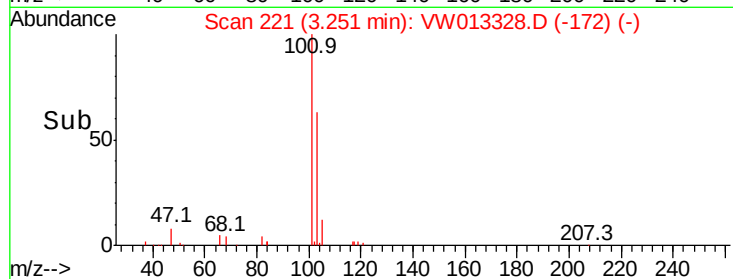
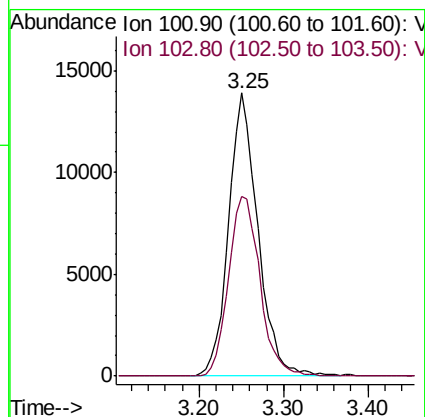
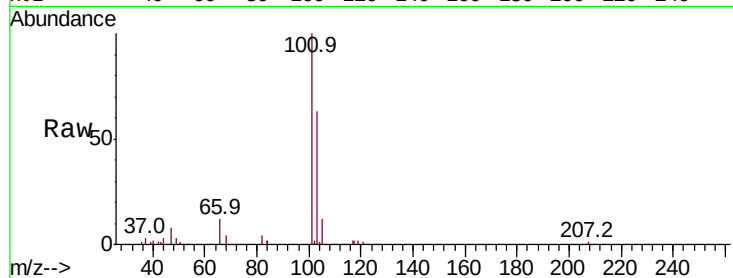


#7

Trichlorofluoromethane
 Concen: 17.500 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampled :

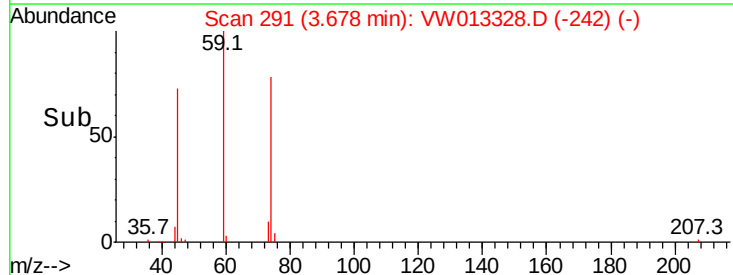
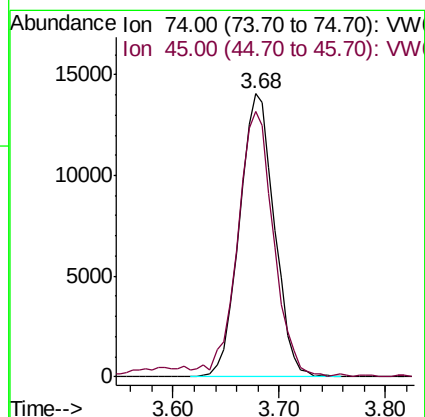
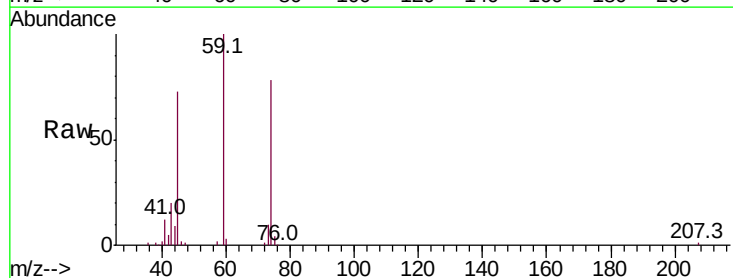
Tot Ion:101 Resp: 32948
 Ion Ratio Lower Upper
 101 100
 103 63.3 49.7 74.5

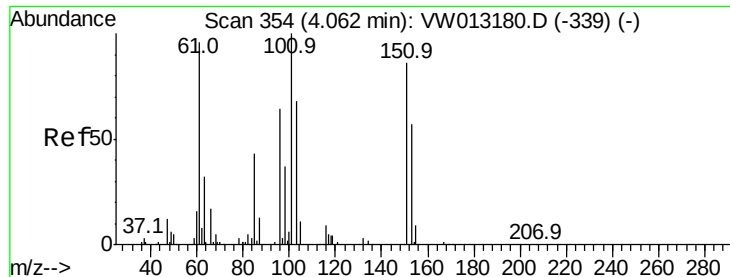


#8

Diethyl Ether
 Concen: 20.020 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion: 74 Resp: 32195
 Ion Ratio Lower Upper
 74 100
 45 97.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.326 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

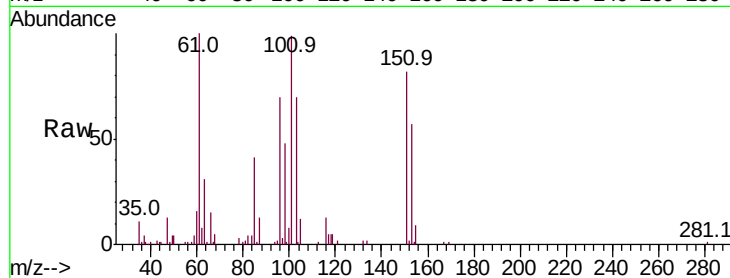
Tot Ion:101 Resp: 59239

Ion Ratio Lower Upper

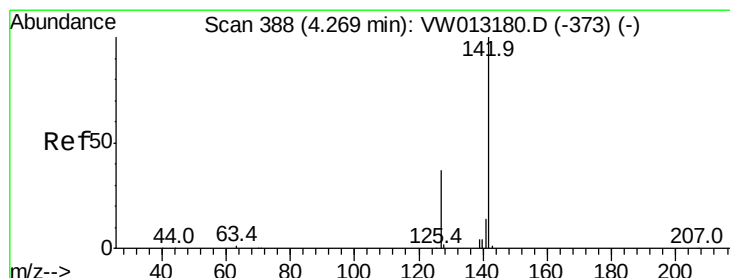
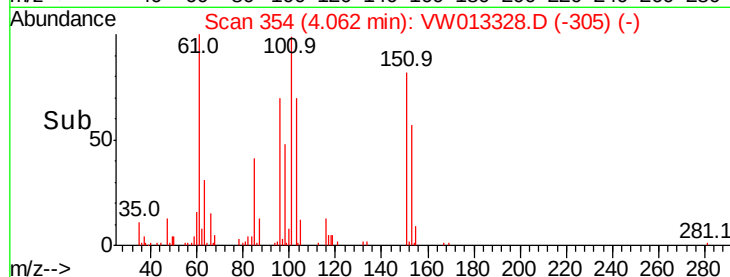
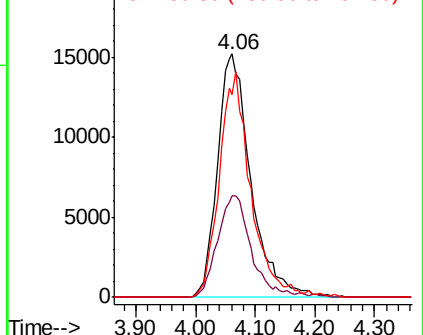
101 100

85 41.4 33.4 50.0

151 86.1 66.9 100.3



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: 19.327 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

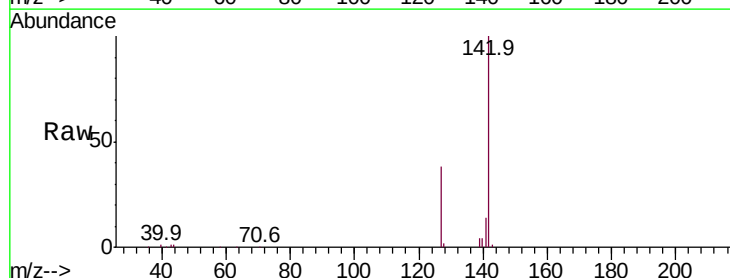
Tgt Ion:142 Resp: 91847

Ion Ratio Lower Upper

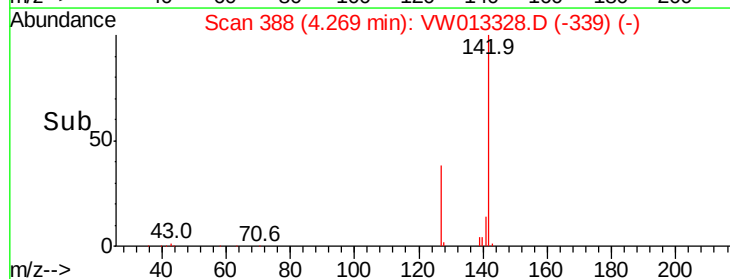
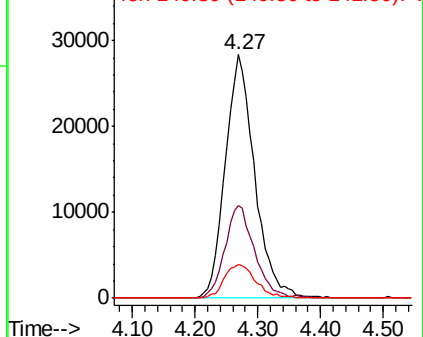
142 100

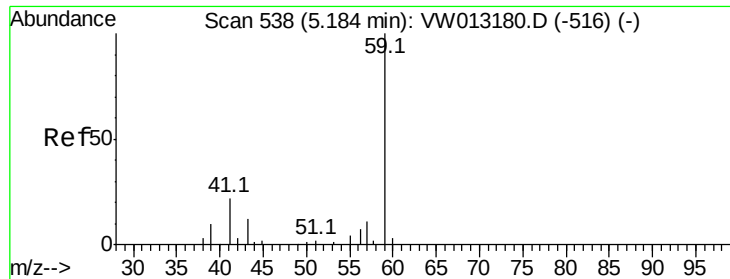
127 37.8 30.9 46.3

141 14.9 11.7 17.5



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

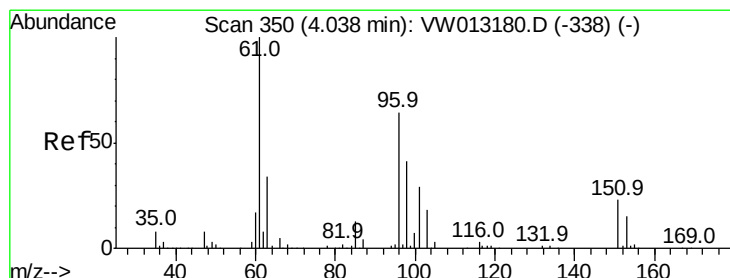
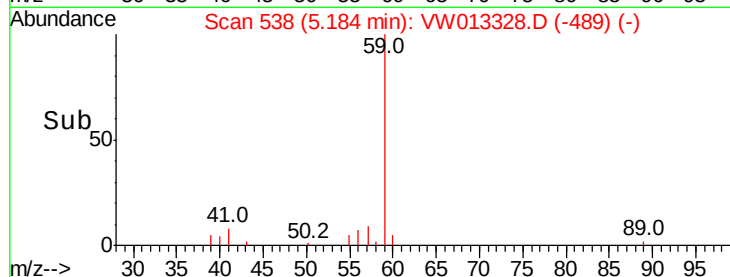
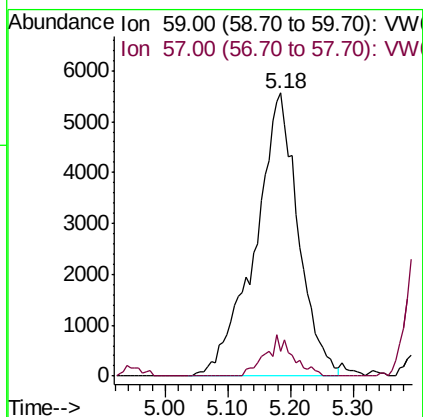
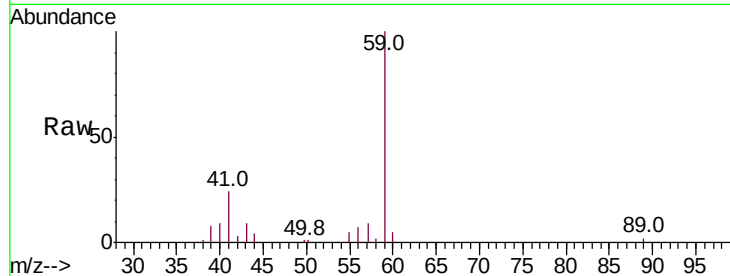




#11
Tert butyl alcohol
Concen: 127.210 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

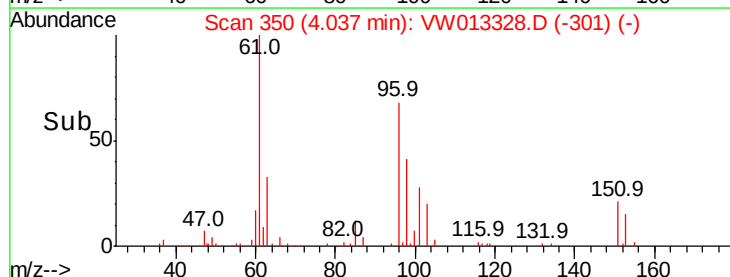
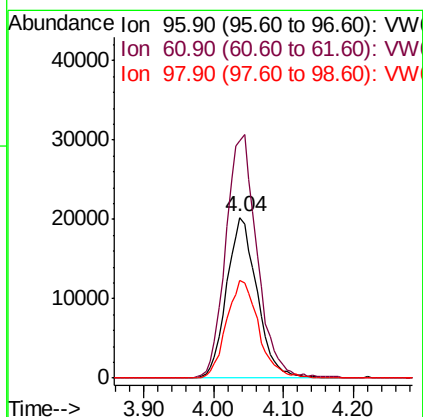
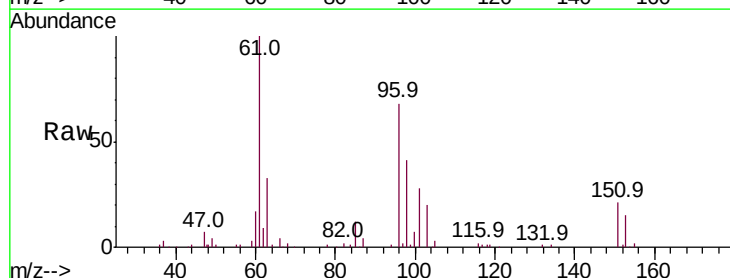
Instrument :
MSVOA_W
ClientSampleId :

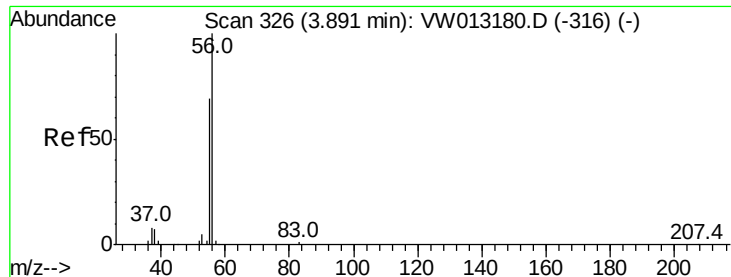
Tot Ion: 59 Resp: 26523
Ion Ratio Lower Upper
59 100
57 9.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.329 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 96 Resp: 61352
Ion Ratio Lower Upper
96 100
61 147.8 125.1 187.7
98 60.9 50.8 76.2





#13

Acrolein

Concen: 87.975 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

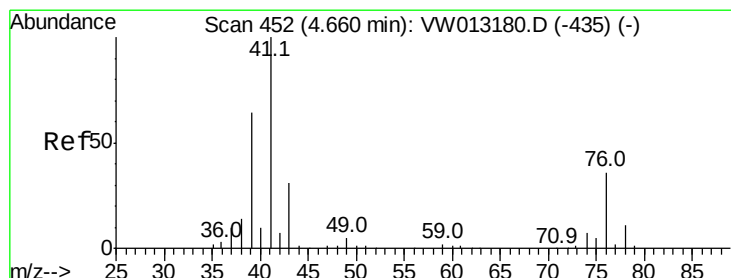
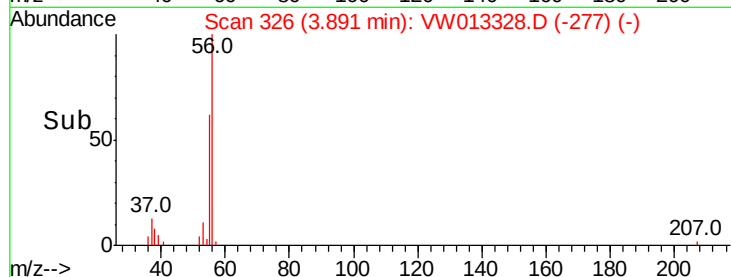
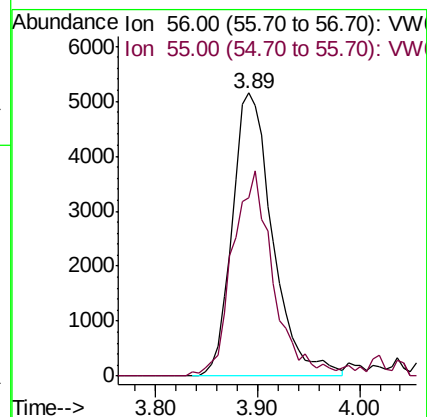
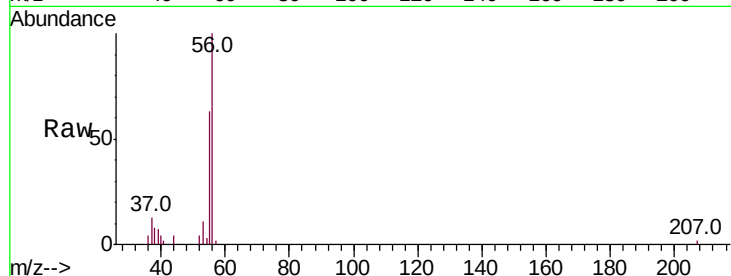
ClientSampleId :

Tot Ion: 56 Resp: 14117

Ion Ratio Lower Upper

56 100

55 73.1 55.4 83.0



#14

Allyl chloride

Concen: 19.032 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

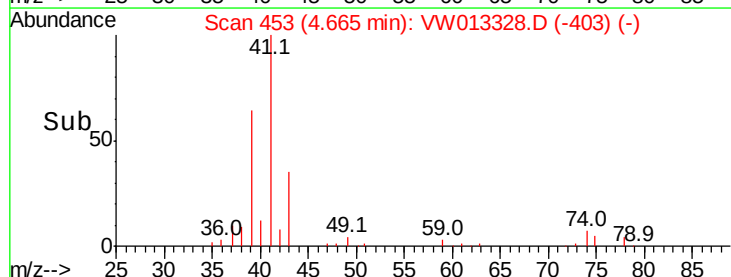
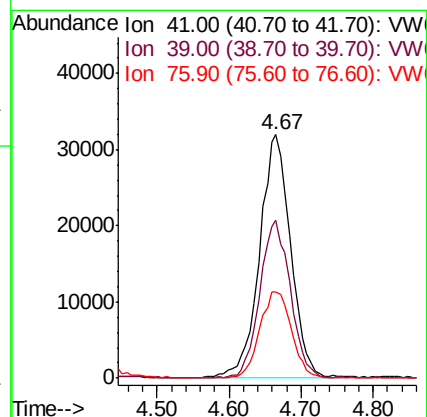
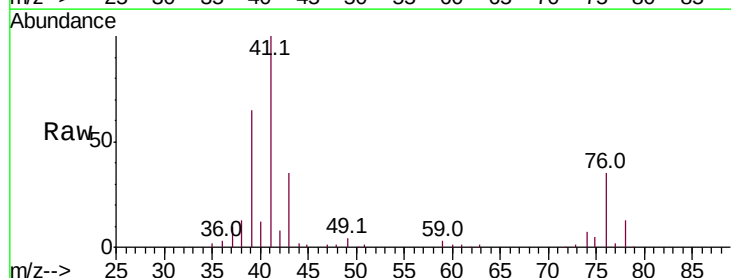
Tgt Ion: 41 Resp: 96142

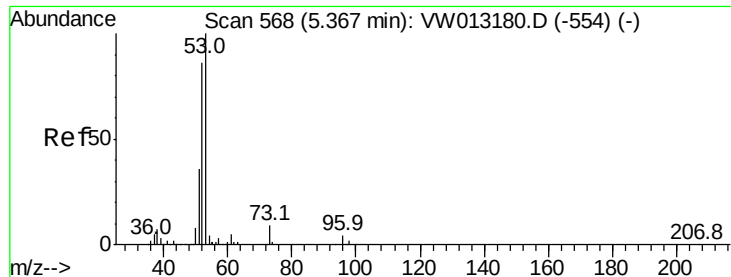
Ion Ratio Lower Upper

41 100

39 63.6 51.0 76.4

76 36.0 28.4 42.6





#15

Acrylonitrile

Concen: 99.453 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampled :

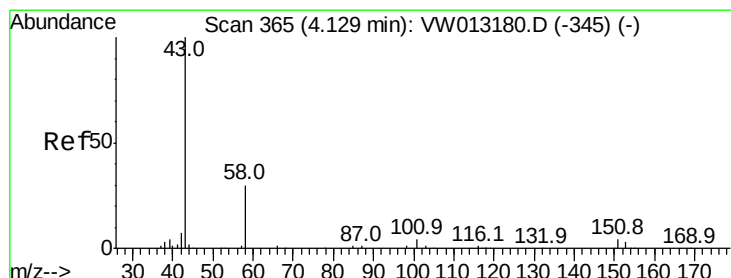
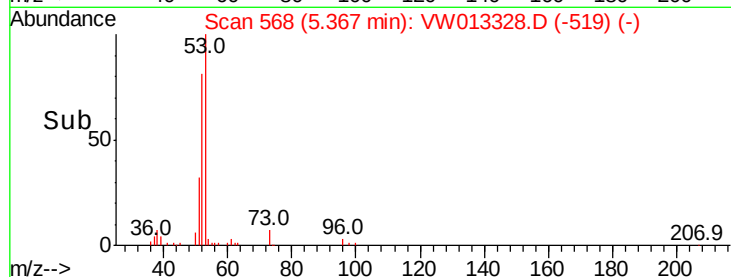
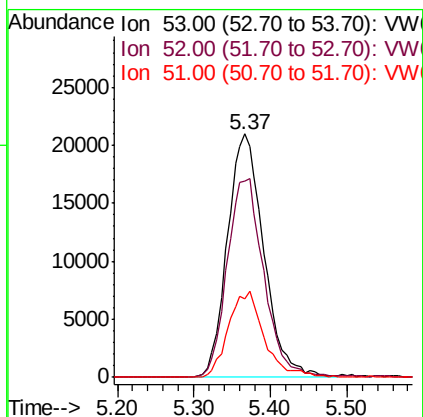
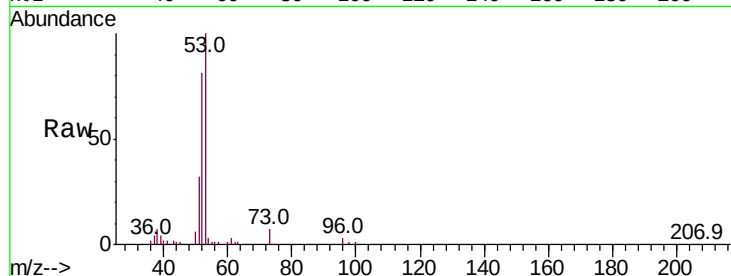
Tot Ion: 53 Resp: 69031

Ion Ratio Lower Upper

53 100

52 82.6 65.3 97.9

51 35.0 29.0 43.4



#16

Acetone

Concen: 97.898 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013328.D

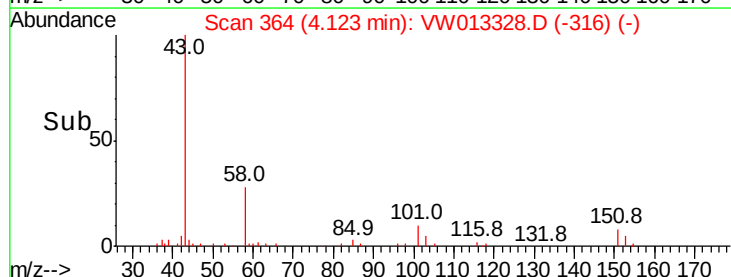
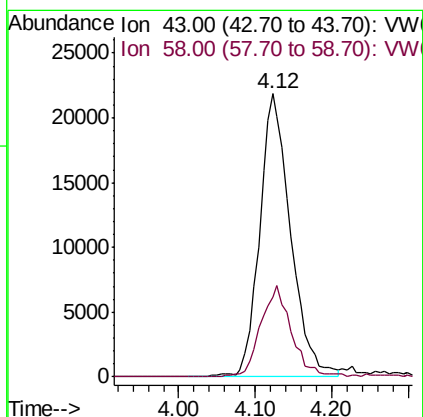
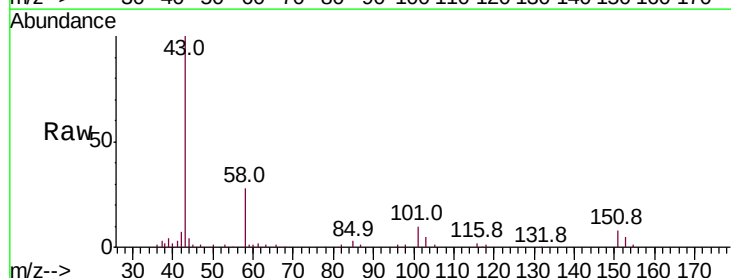
Acq: 30 Sep 2019 13:08

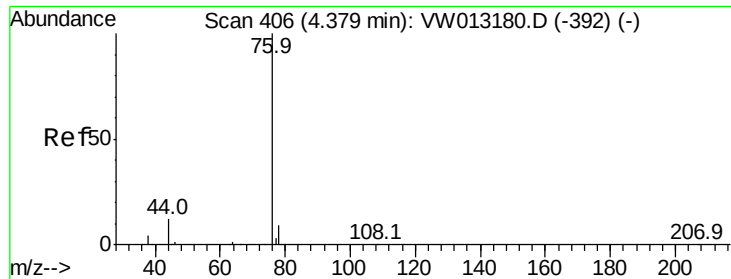
Tgt Ion: 43 Resp: 61541

Ion Ratio Lower Upper

43 100

58 28.2 24.1 36.1





#17

Carbon Disulfide

Concen: 18.932 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

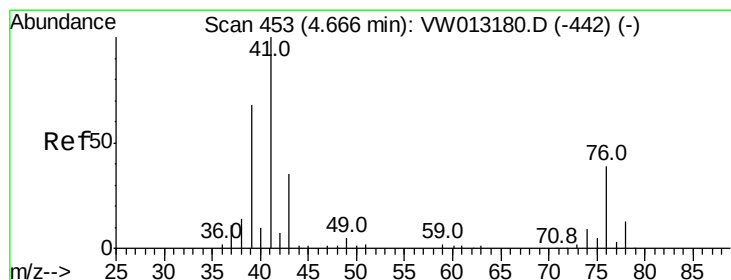
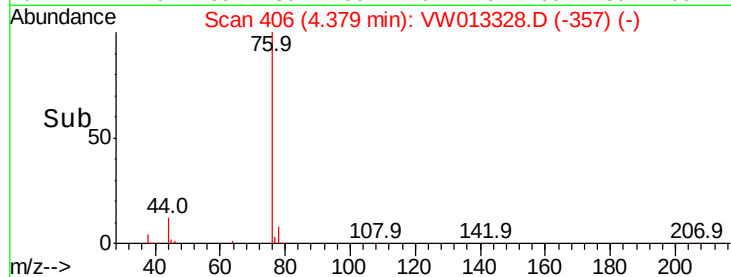
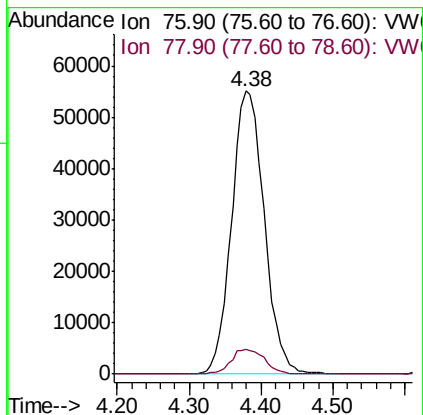
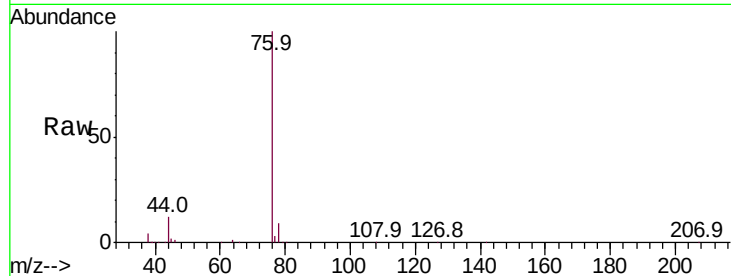
ClientSampleId :

Tot Ion: 76 Resp: 173689

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



#18

Methyl Acetate

Concen: 19.220 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013328.D

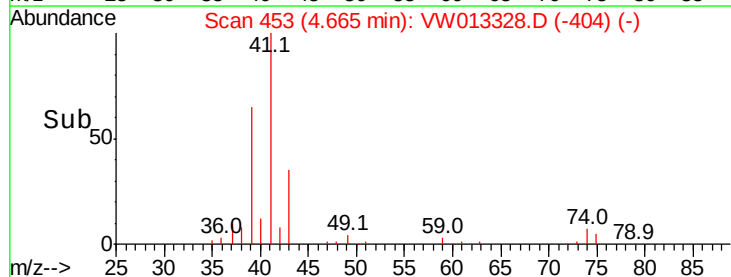
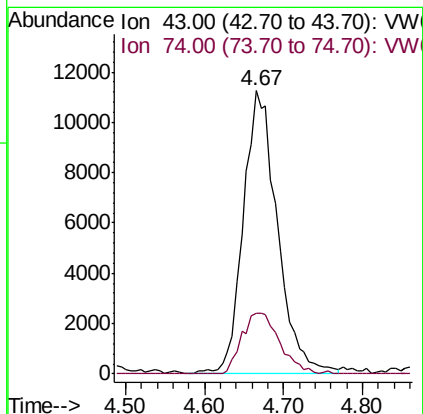
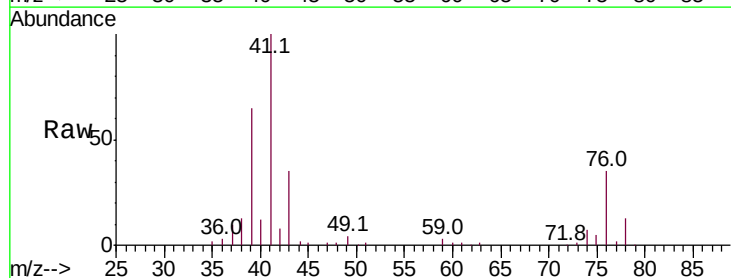
Acq: 30 Sep 2019 13:08

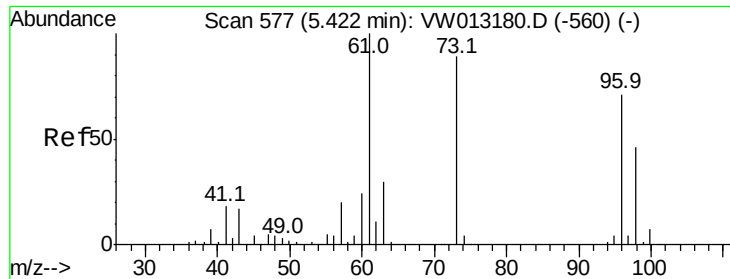
Tgt Ion: 43 Resp: 33963

Ion Ratio Lower Upper

43 100

74 23.6 19.3 28.9

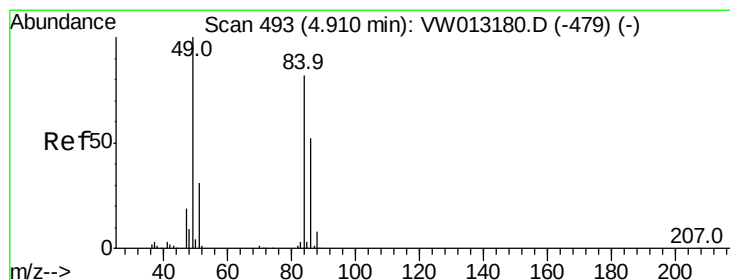
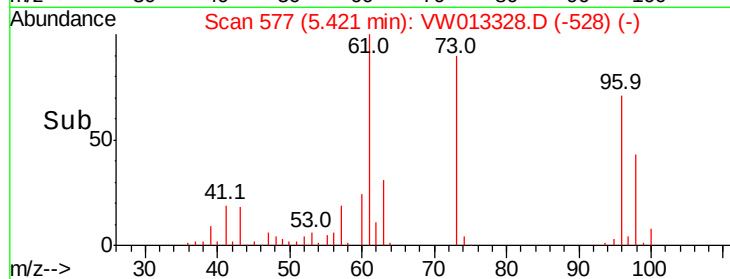
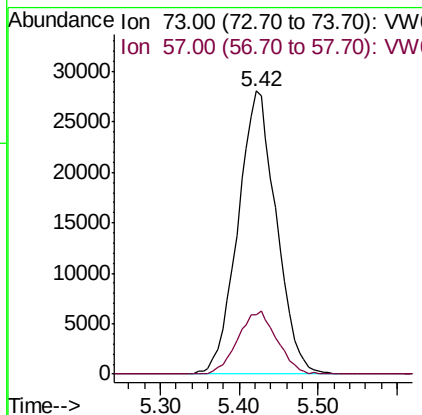
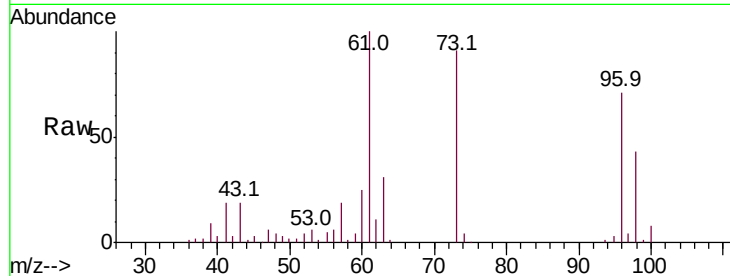




#19
Methvl tert-butyl Ether
Concen: 19.495 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

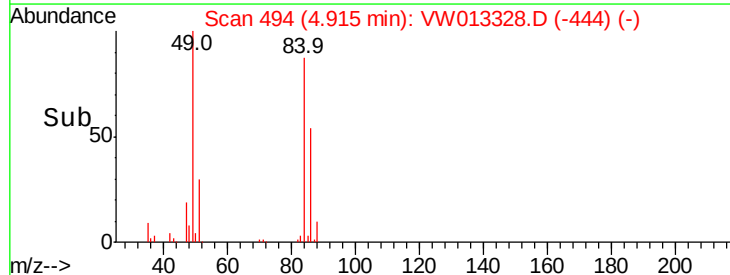
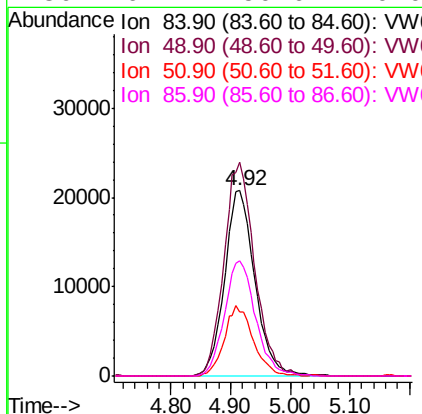
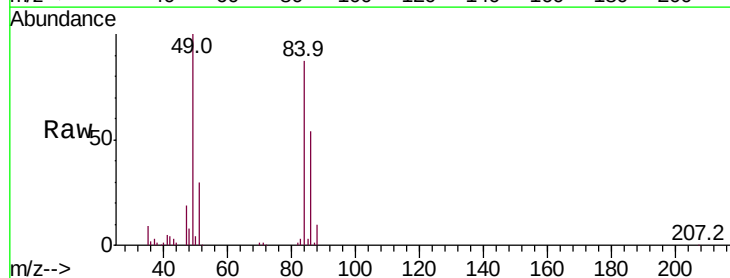
Instrument :
MSVOA_W
ClientSampled :

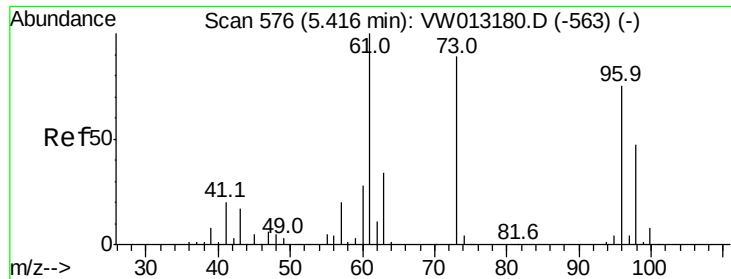
Tot Ion: 73 Resp: 94838
Ion Ratio Lower Upper
73 100
57 21.0 17.6 26.4



#20
Methylene Chloride
Concen: 21.107 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 84 Resp: 73255
Ion Ratio Lower Upper
84 100
49 115.2 97.6 146.4
51 34.8 30.2 45.2
86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.574 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

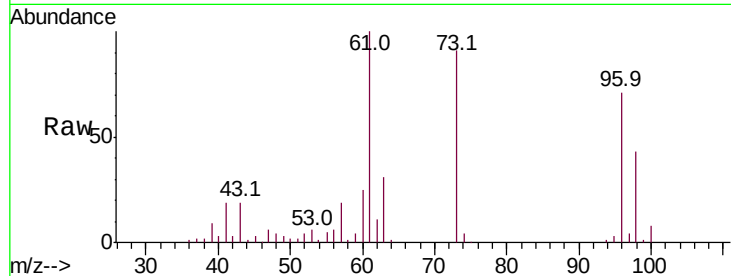
Tot Ion: 96 Resp: 67150

Ion Ratio Lower Upper

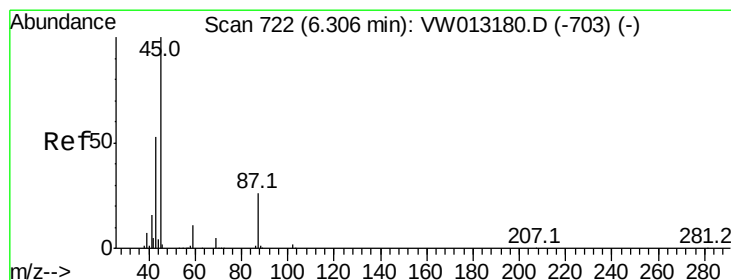
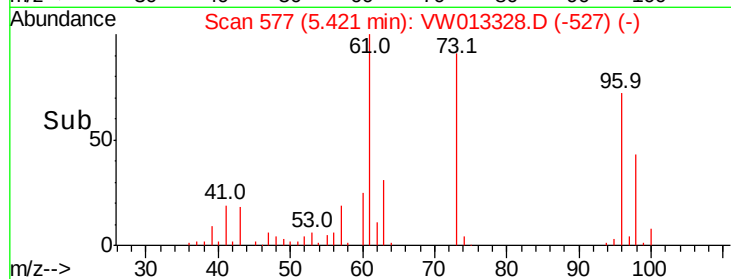
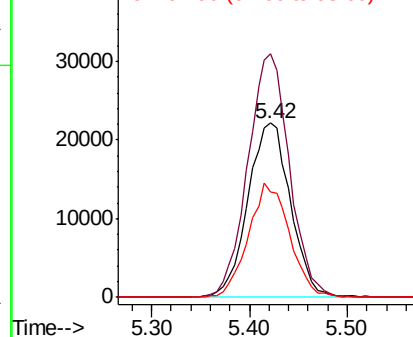
96 100

61 139.9 106.6 159.8

98 60.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.668 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion: 45 Resp: 188927

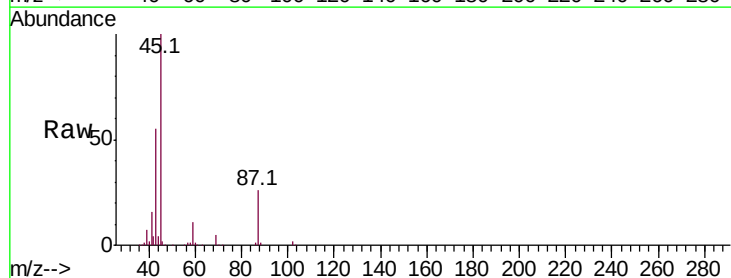
Ion Ratio Lower Upper

45 100

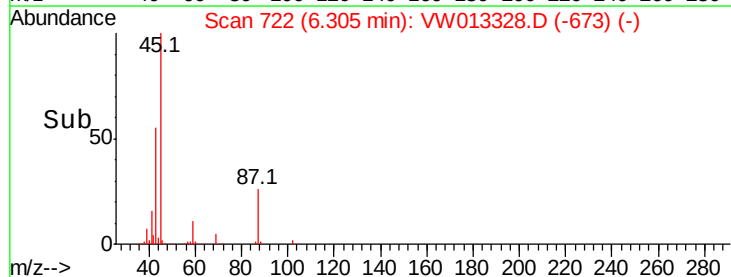
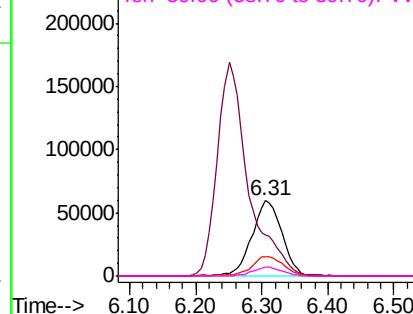
43 54.5 42.4 63.6

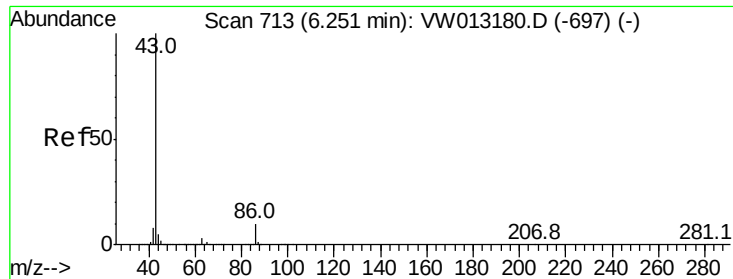
87 25.6 20.4 30.6

59 11.3 8.8 13.2



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: 96.928 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

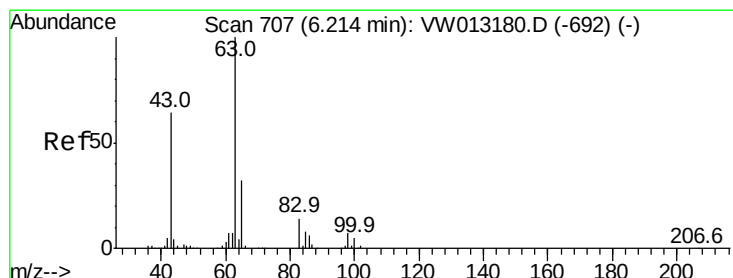
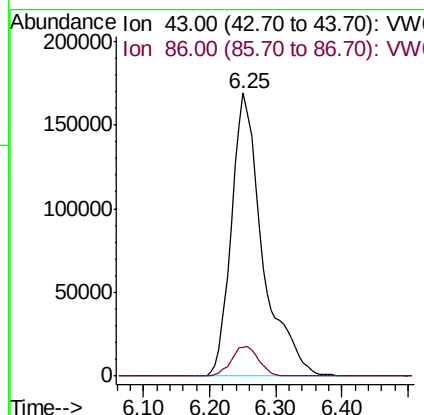
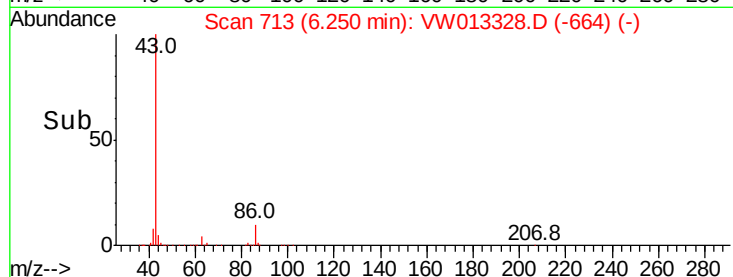
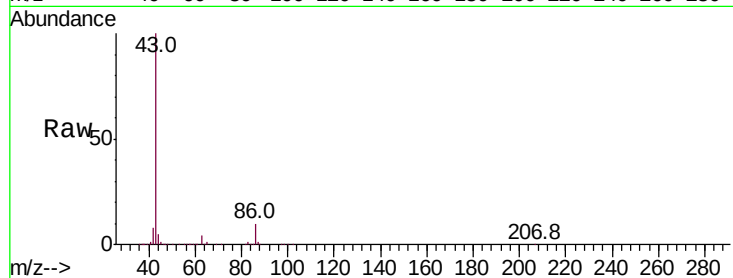
ClientSampleId :

Tot Ion: 43 Resp: 552373

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.594 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

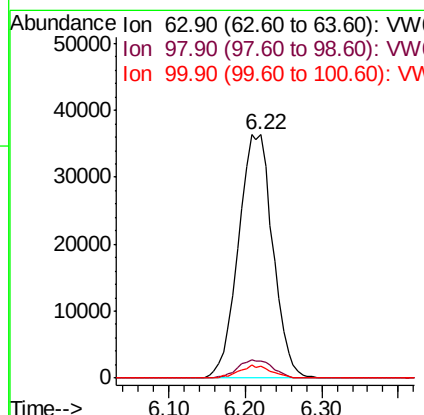
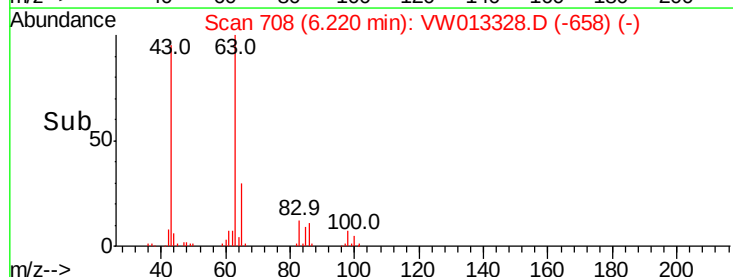
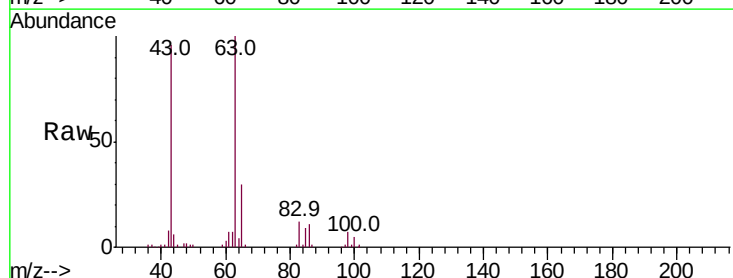
Tgt Ion: 63 Resp: 113579

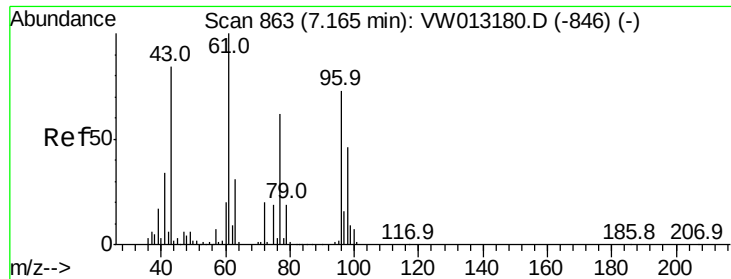
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 96.691 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

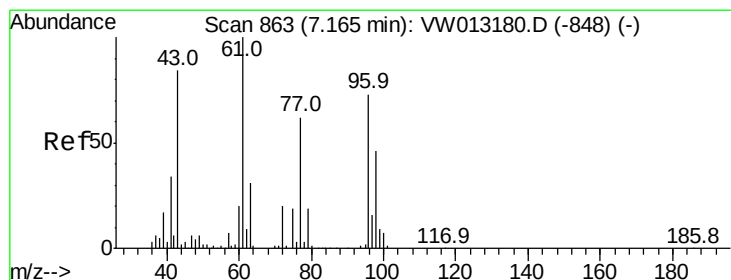
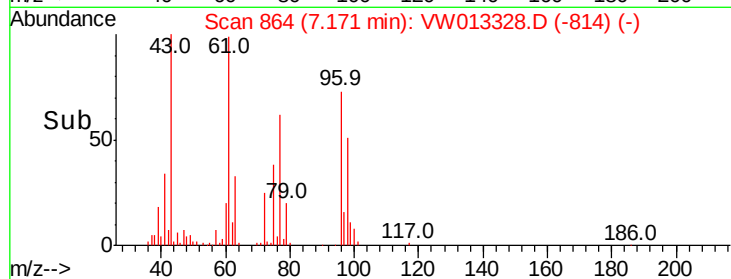
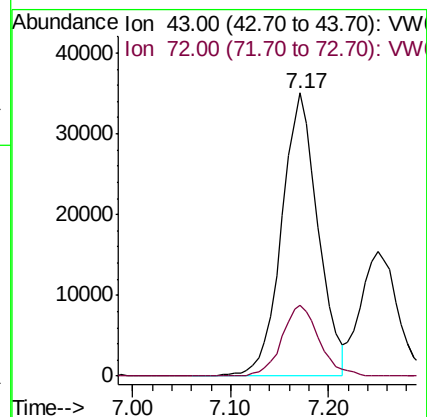
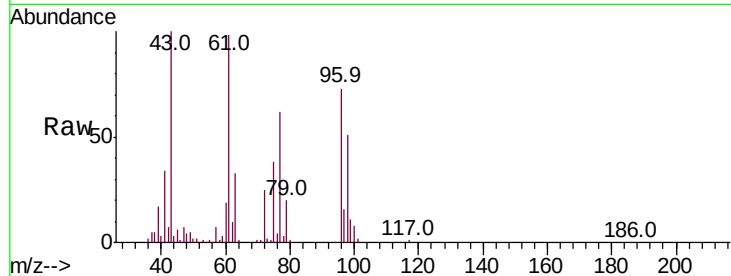
ClientSampled :

Tot Ion: 43 Resp: 91244

Ion Ratio Lower Upper

43 100

72 25.1 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.233 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013328.D

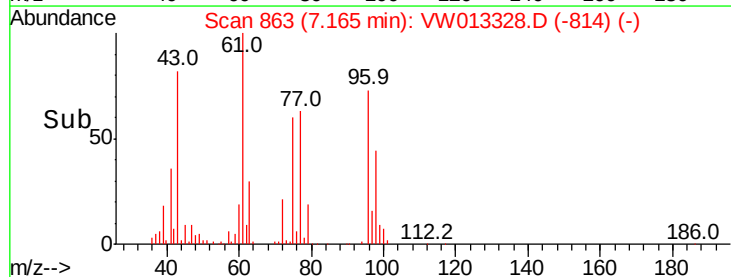
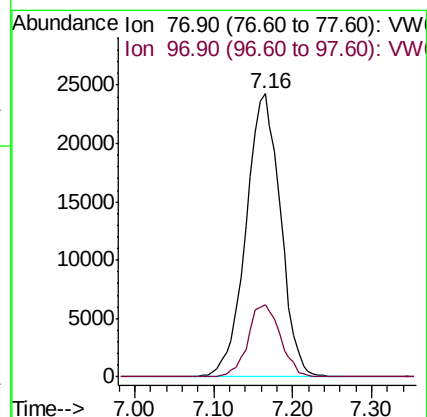
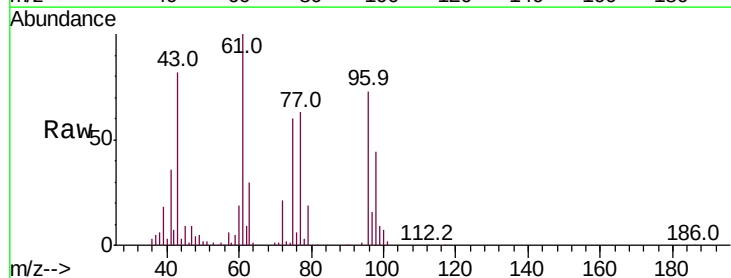
Acq: 30 Sep 2019 13:08

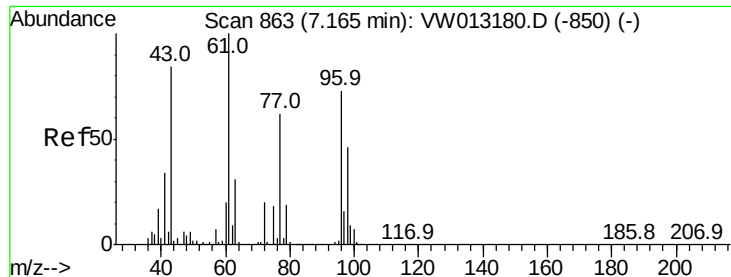
Tgt Ion: 77 Resp: 73815

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4



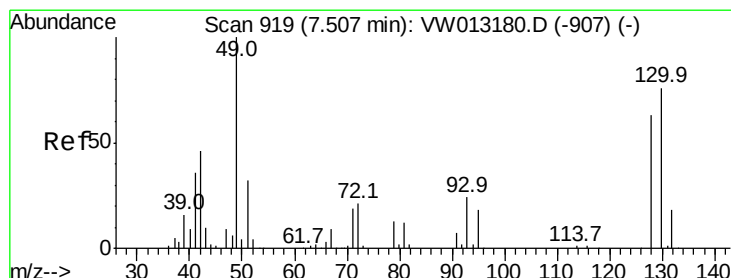
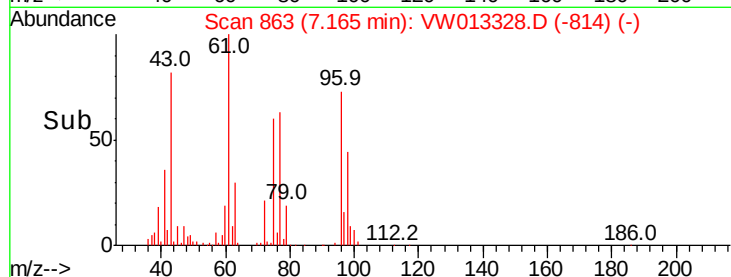
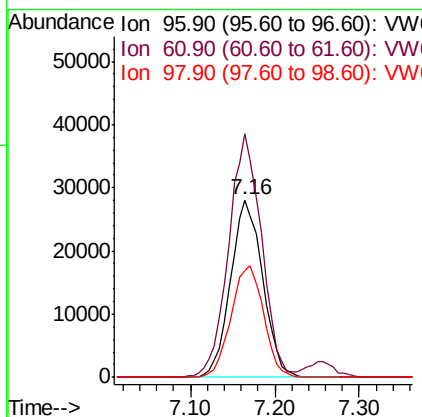
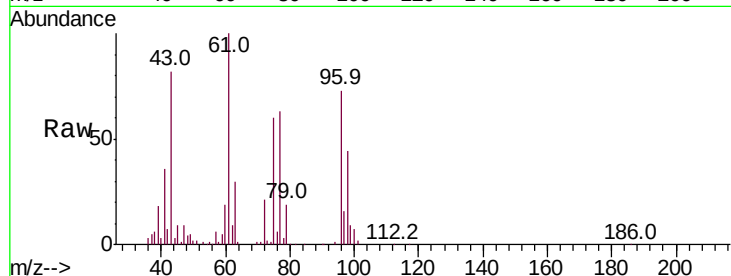


#27

cis-1,2-Dichloroethene
Concen: 19.998 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampled :

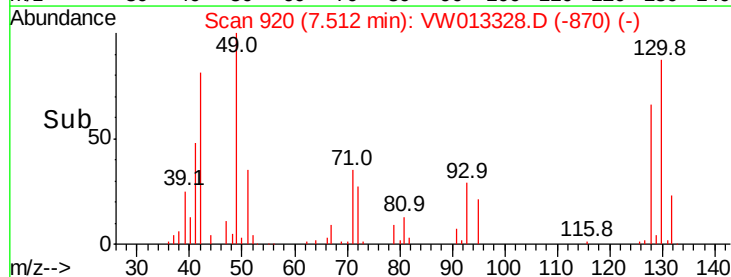
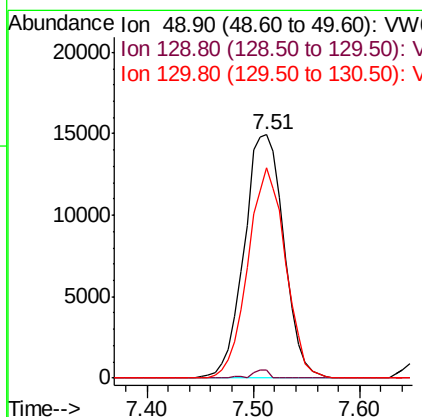
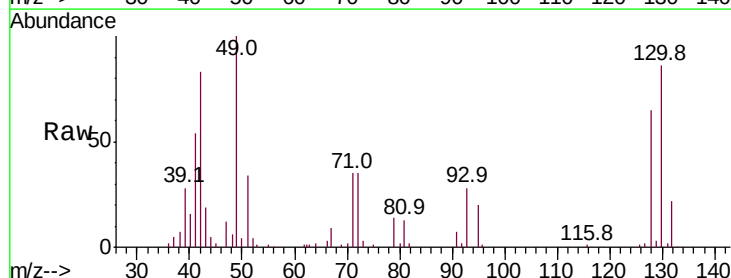
Tot Ion: 96 Resp: 72400
Ion Ratio Lower Upper
96 100
61 140.5 0.0 282.4
98 63.5 0.0 128.2

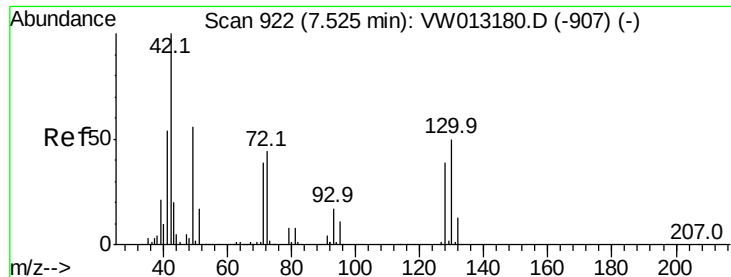


#28

Bromochloromethane
Concen: 17.633 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 49 Resp: 39228
Ion Ratio Lower Upper
49 100
129 1.5 0.0 1.0#
130 81.4 63.4 95.2

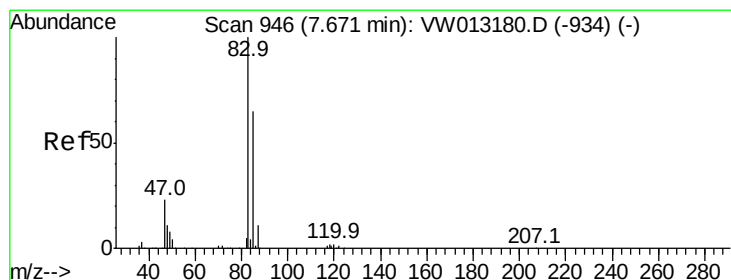
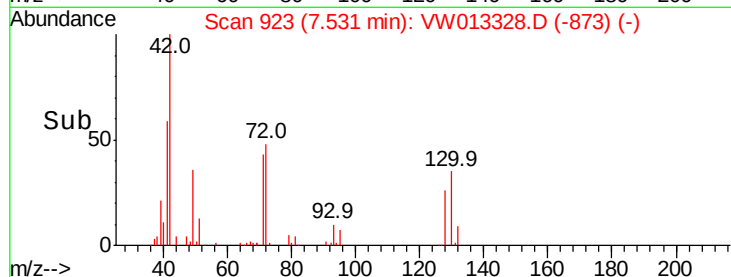
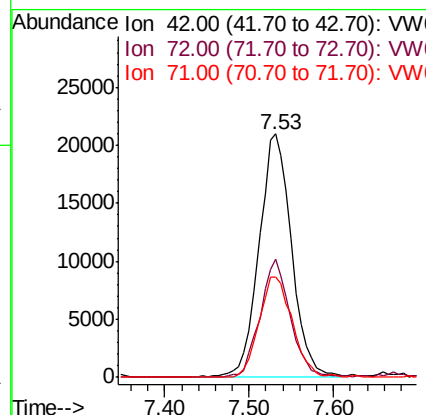
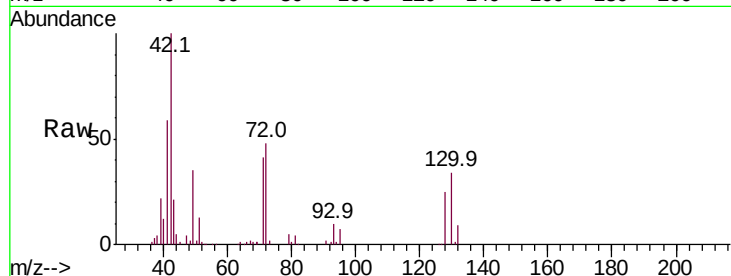




#29
Tetrahydrofuran
Concen: 95.943 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

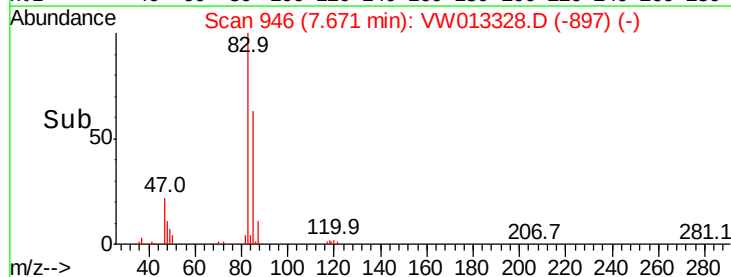
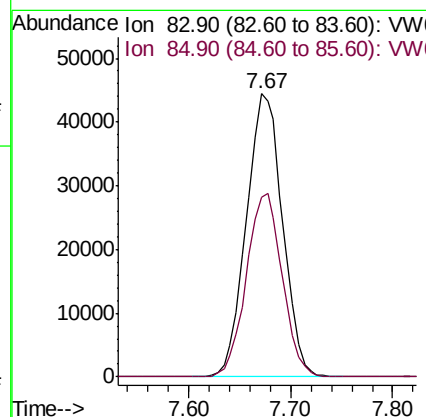
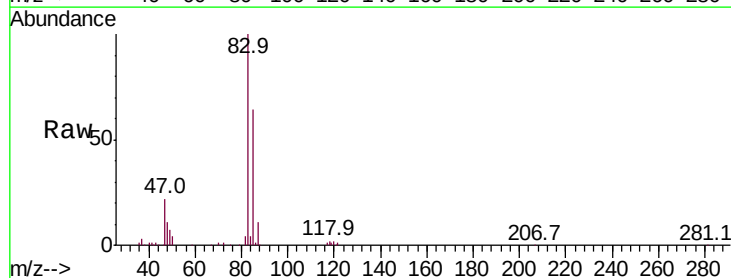
Instrument :
MSVOA_W
ClientSampled :

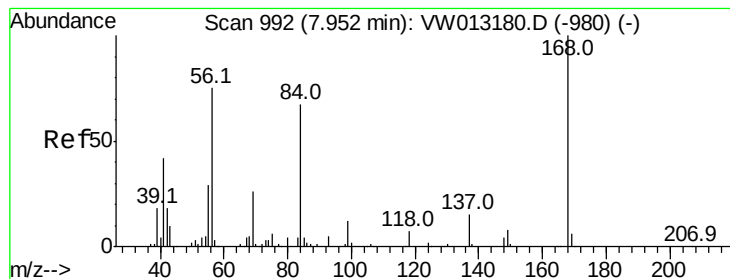
Tot Ion: 42 Resp: 55524
Ion Ratio Lower Upper
42 100
72 45.0 33.9 50.9
71 42.2 31.9 47.9



#30
Chloroform
Concen: 19.297 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 83 Resp: 109512
Ion Ratio Lower Upper
83 100
85 63.6 52.3 78.5





#31

Cyclohexane

Concen: 18.901 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampled :

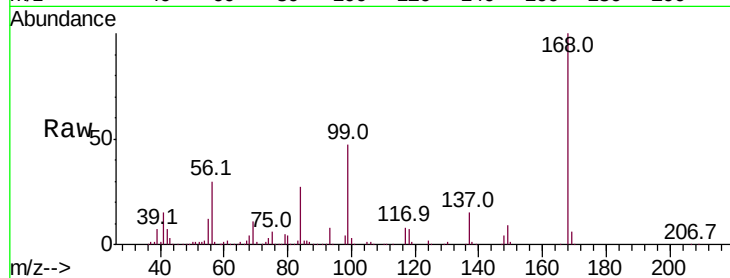
Tot Ion: 56 Resp: 114208

Ion Ratio Lower Upper

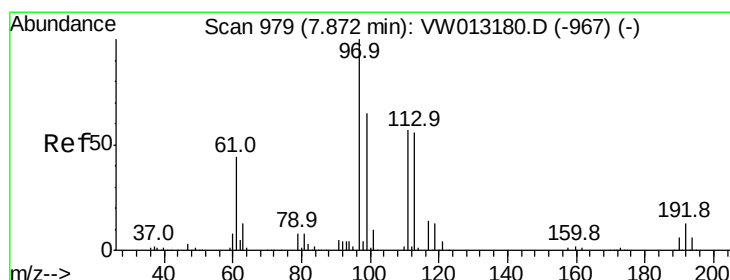
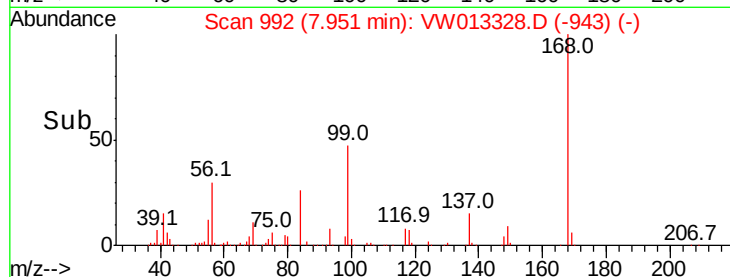
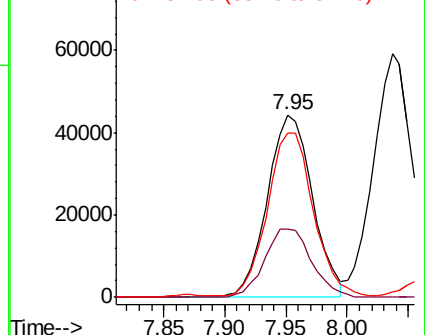
56 100

69 37.7 27.2 40.8

84 88.4 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 19.623 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

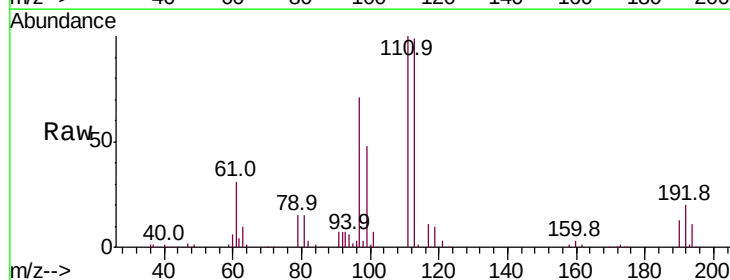
Tgt Ion: 97 Resp: 90195

Ion Ratio Lower Upper

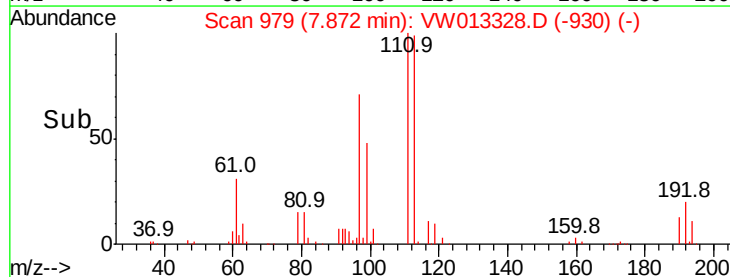
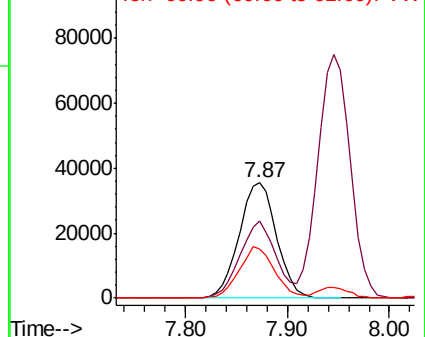
97 100

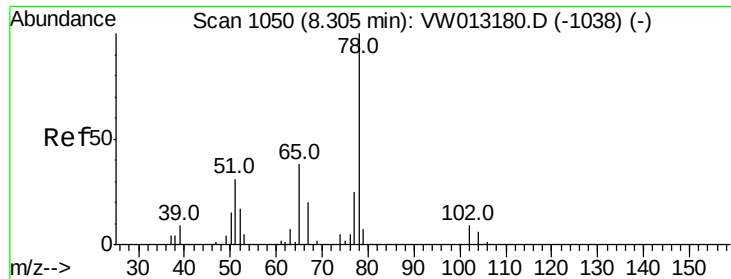
99 65.4 51.7 77.5

61 42.1 34.6 51.8



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

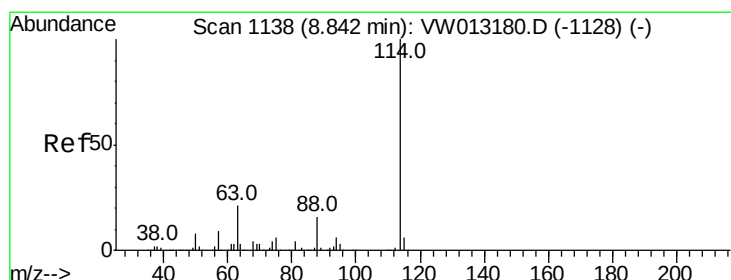
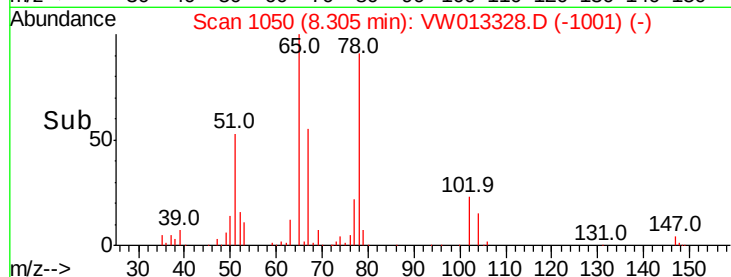
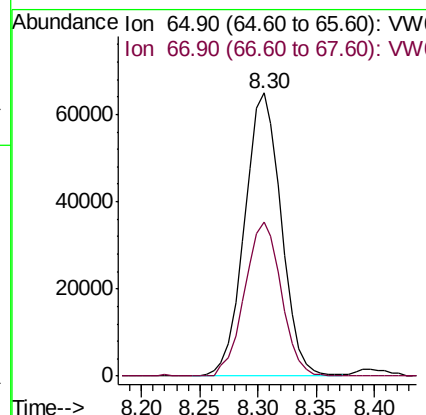
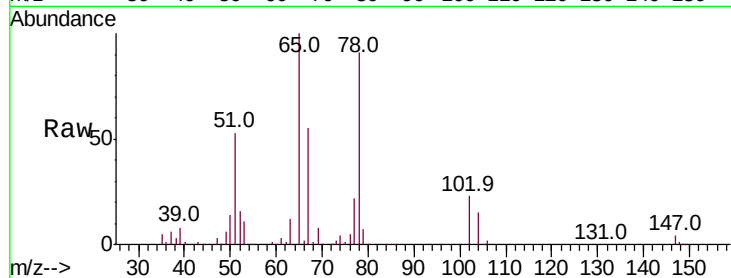




#33
 1,2-Dichloroethane-d4
 Concen: 51.126 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

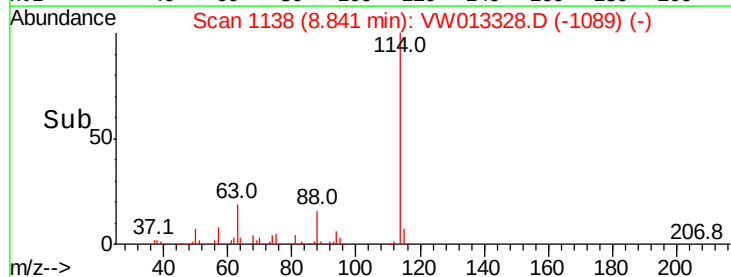
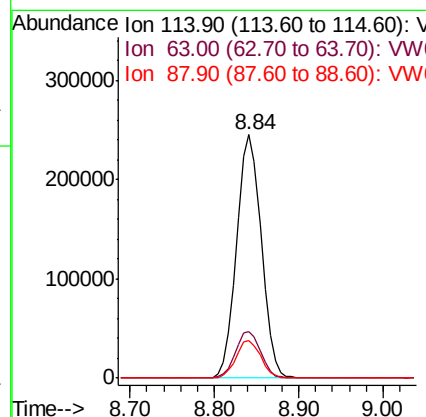
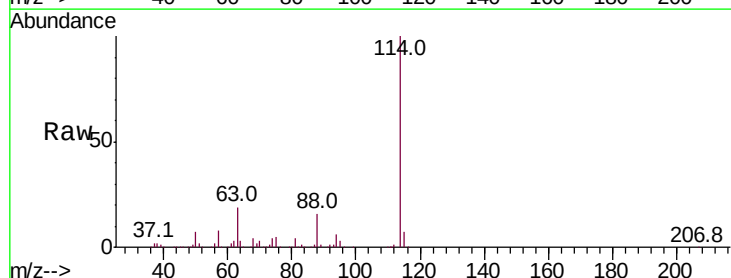
Instrument :
 MSVOA_W
 ClientSampled :

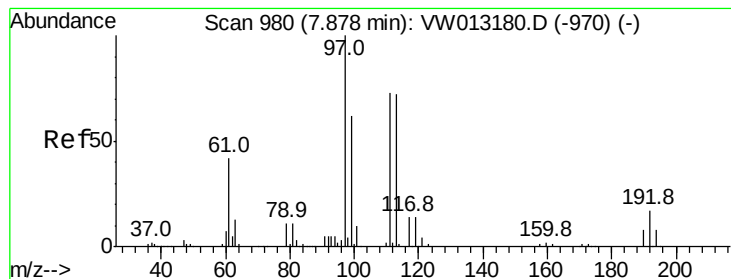
Tot Ion: 65 Resp: 142516
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion: 114 Resp: 484719
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.535 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

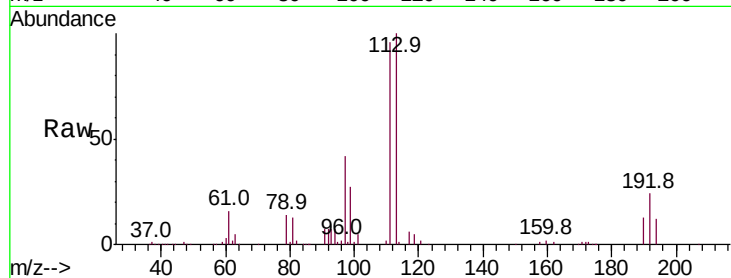
Tot Ion:113 Resp: 145387

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

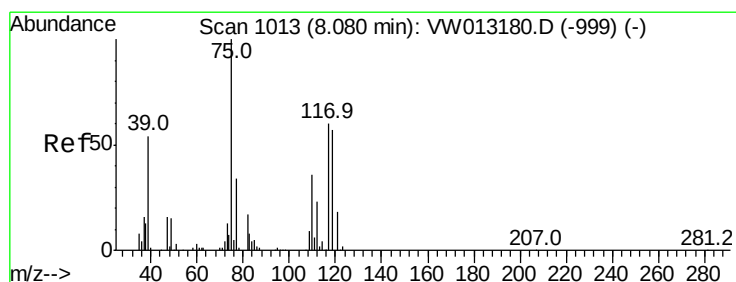
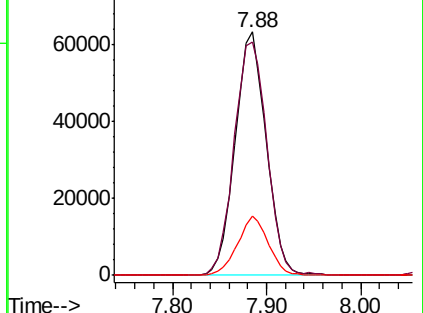
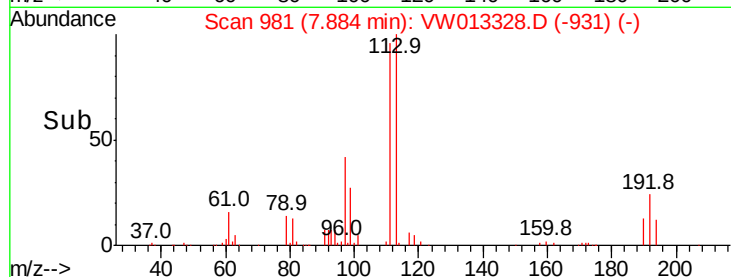
192 23.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.748 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

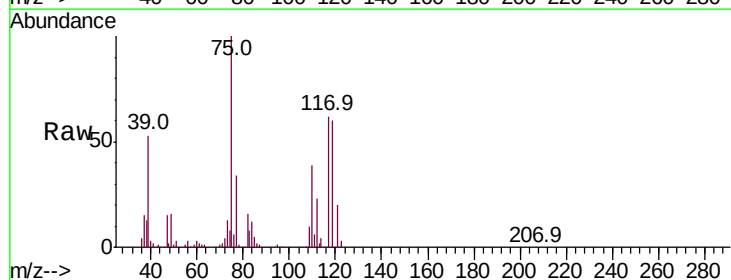
Tgt Ion: 75 Resp: 92714

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.3

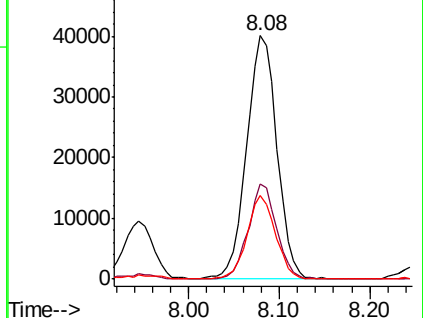
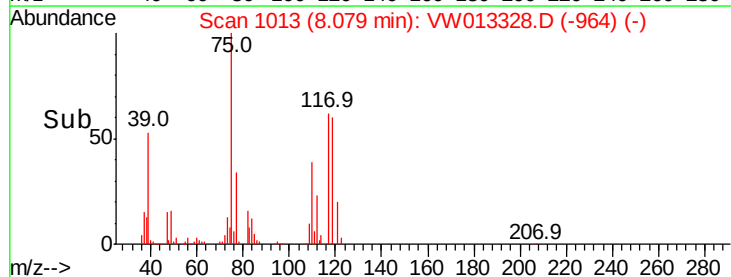
77 32.3 25.8 38.6

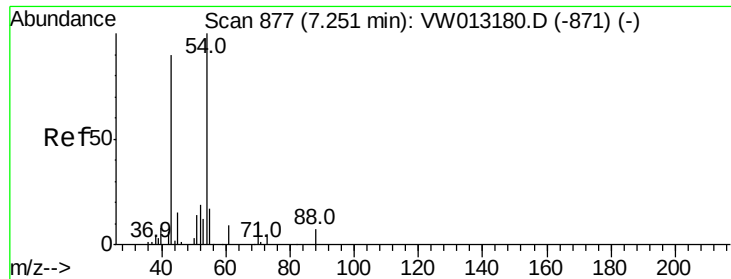


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

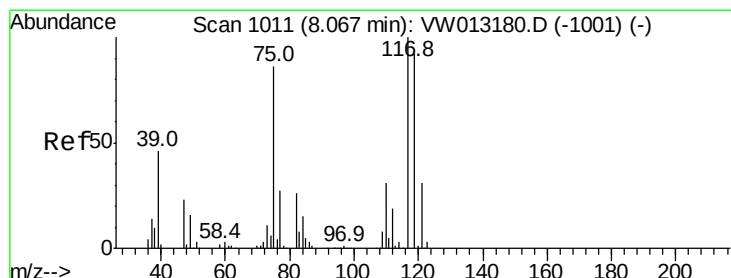
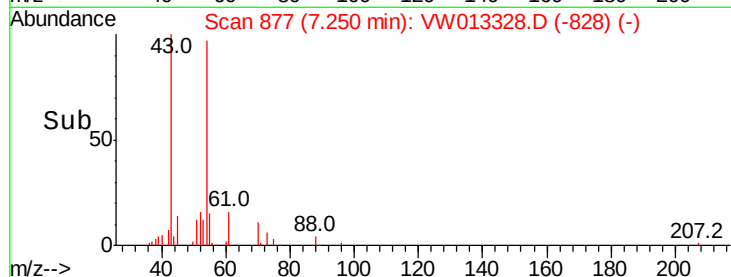
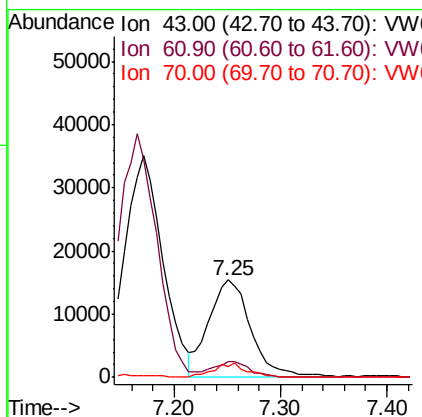
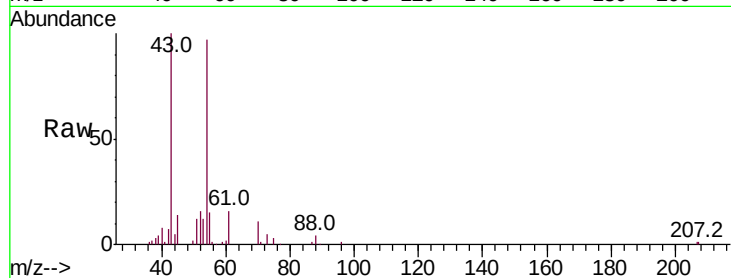




#37
Ethyl Acetate
Concen: 20.834 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

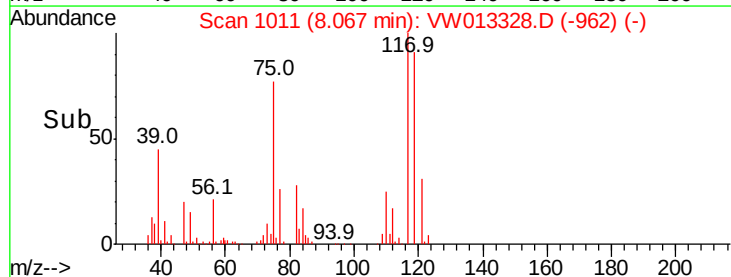
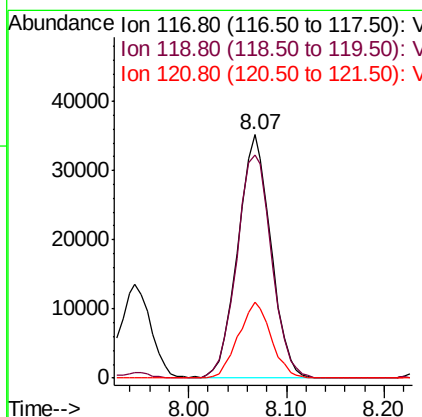
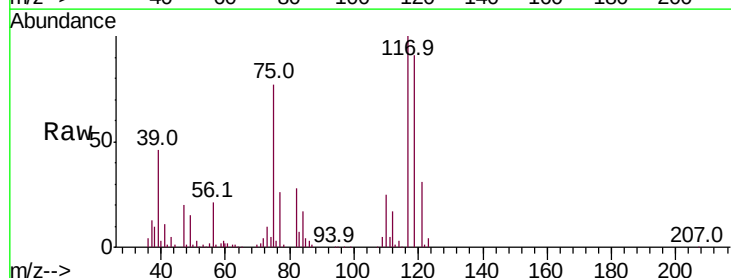
Instrument :
MSVOA_W
ClientSampled :

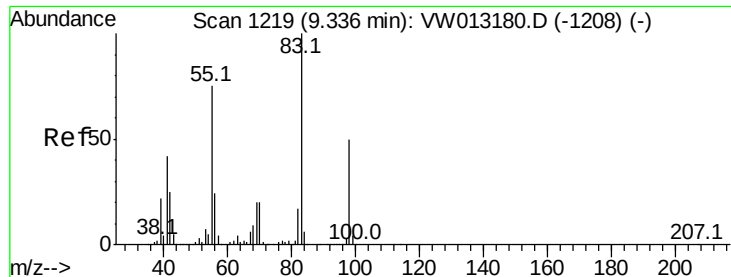
Tot Ion: 43 Resp: 41570
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 12.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.632 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 117 Resp: 82625
Ion Ratio Lower Upper
117 100
119 91.4 73.5 110.3
121 30.9 25.0 37.6

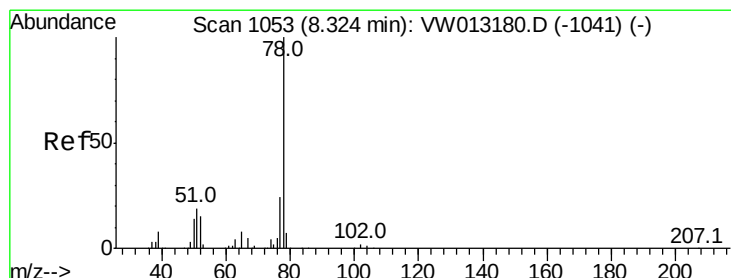
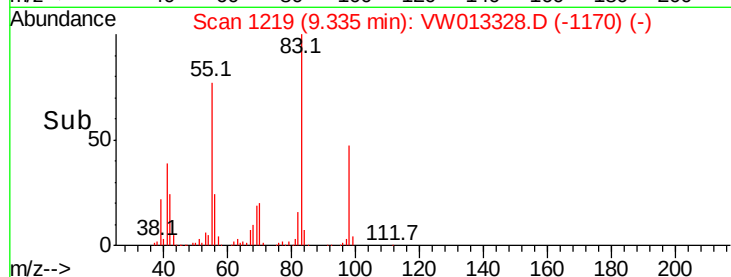
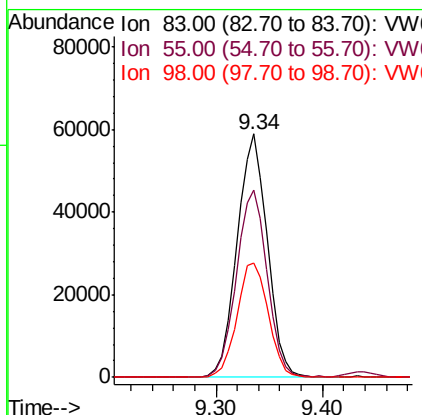
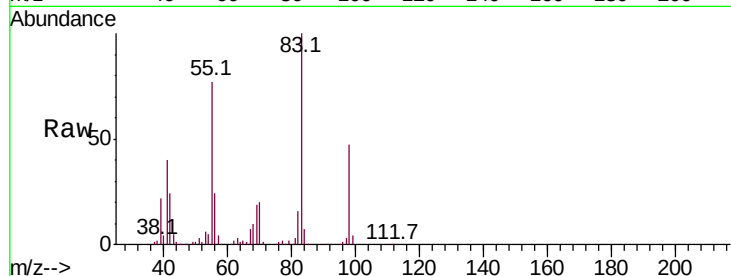




#39
Methylvlcyclohexane
Concen: 19.519 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

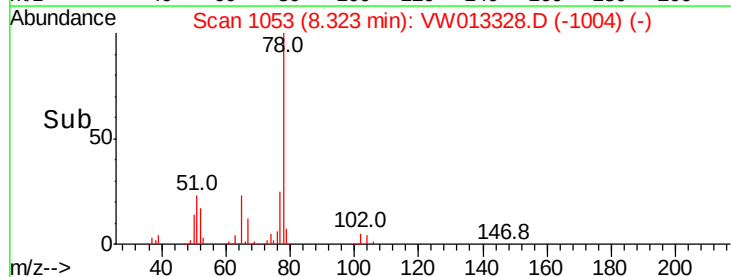
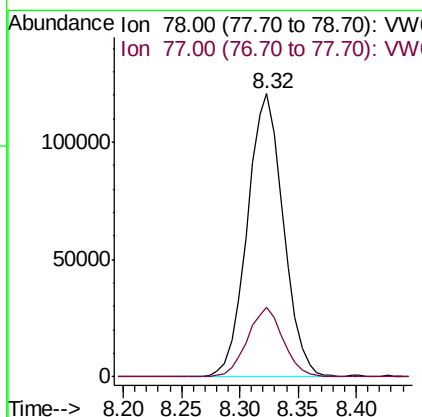
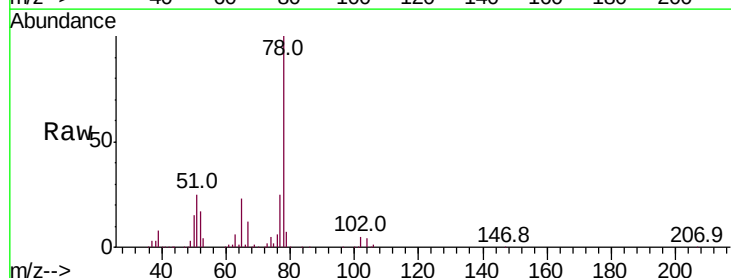
Instrument :
MSVOA_W
ClientSampleId :

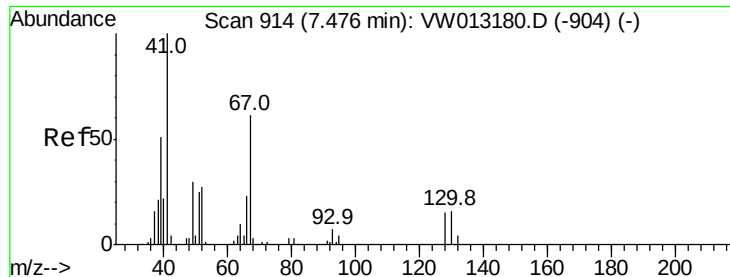
Tot Ion	83	Resp	117765
Ion Ratio	100	Lower	Upper
55	76.8	60.4	90.6
98	46.9	40.0	60.0



#40
Benzene
Concen: 19.936 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	78	Resp	261071
Ion Ratio	100	Lower	Upper
77	24.6	19.1	28.7

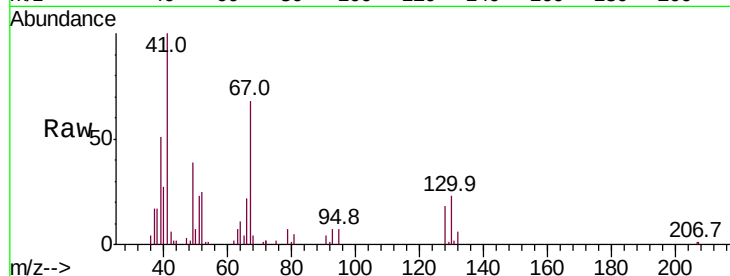




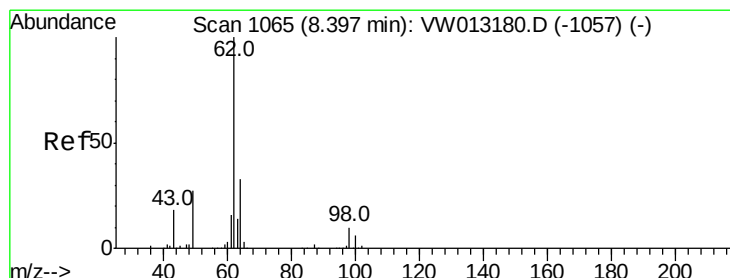
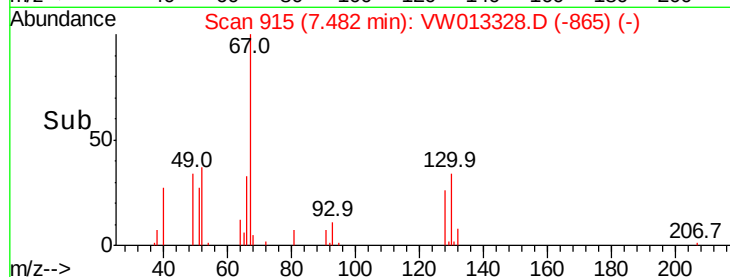
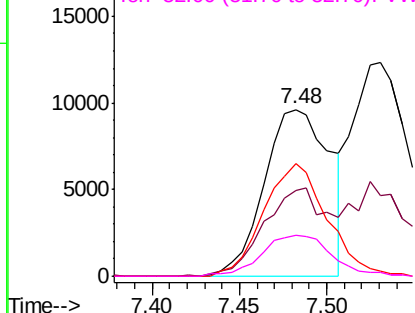
#41
Methacrylonitrile
Concen: 21.202 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	25249
Ion	Ratio	Lower	Upper
41	100		
39	51.9	45.9	68.9
67	65.1	54.5	81.7
52	26.1	22.5	33.7

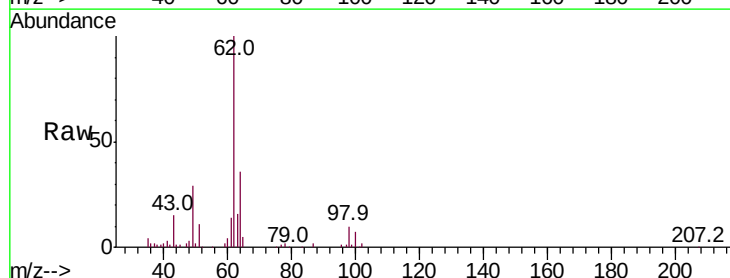


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

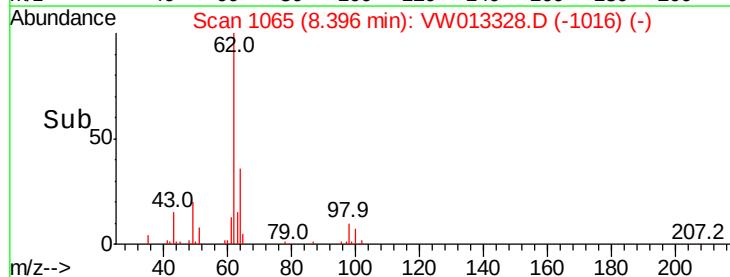
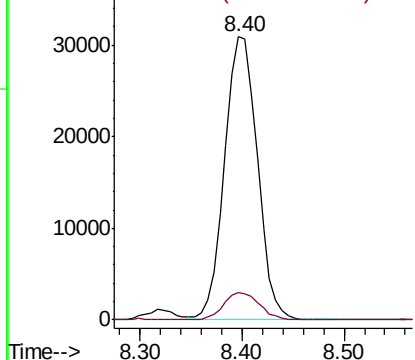


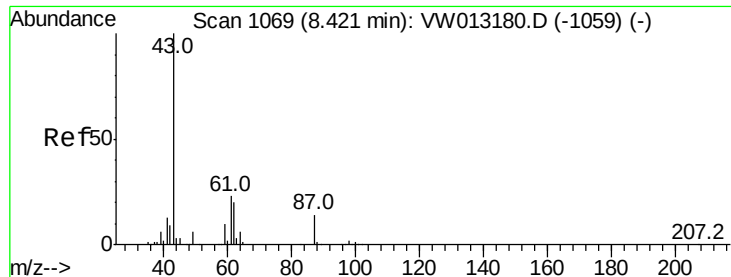
#42
1,2-Dichloroethane
Concen: 19.644 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion:	62	Resp:	69154
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 19.611 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

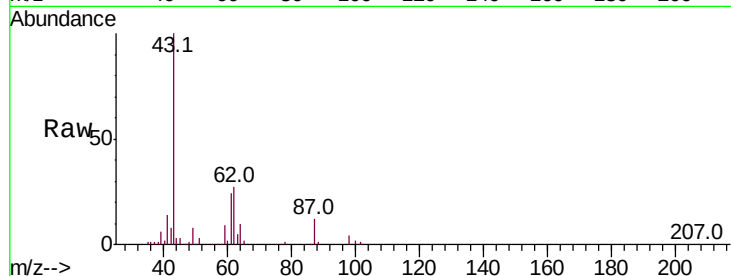
Tot Ion: 43 Resp: 74995

Ion Ratio Lower Upper

43 100

61 30.5 25.5 38.3

87 13.3 11.0 16.4

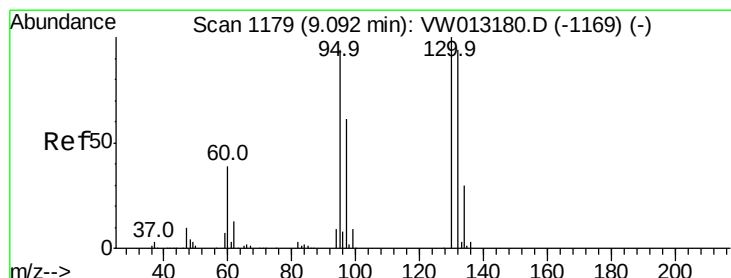
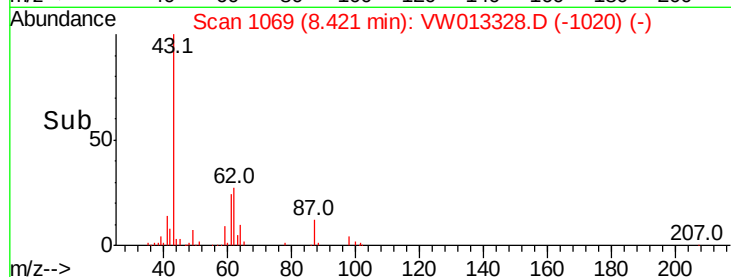
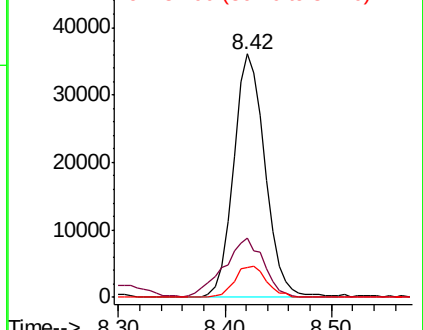


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.916 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013328.D

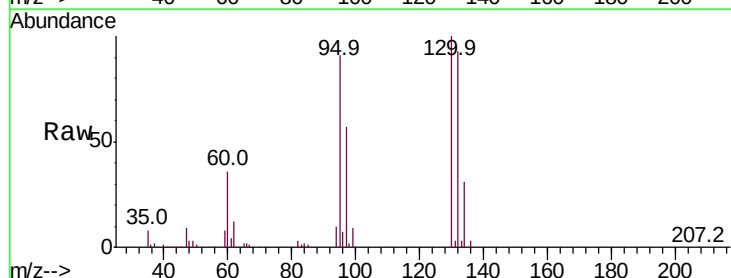
Acq: 30 Sep 2019 13:08

Tgt Ion: 130 Resp: 73176

Ion Ratio Lower Upper

130 100

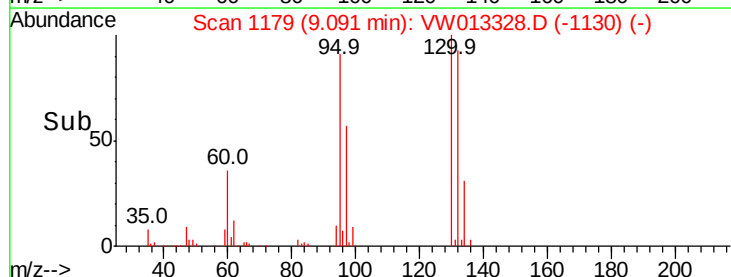
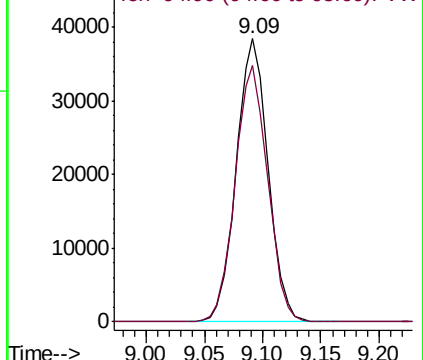
95 90.8 0.0 188.0

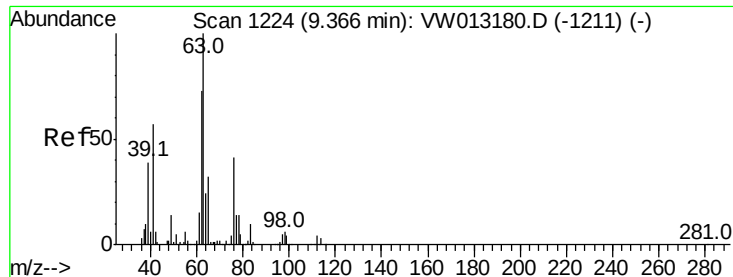


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.152 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

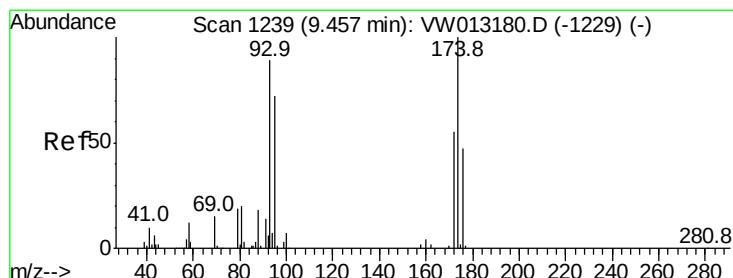
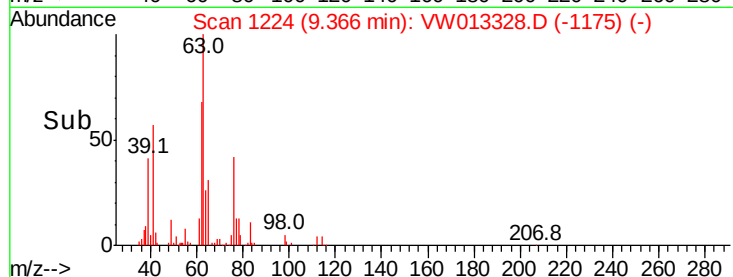
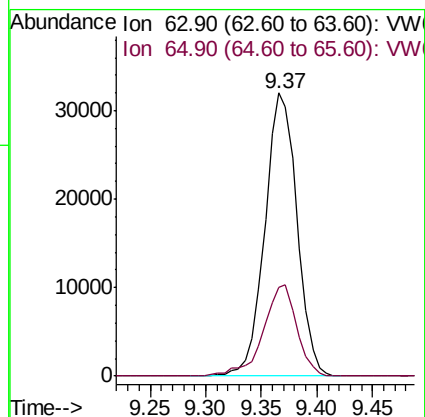
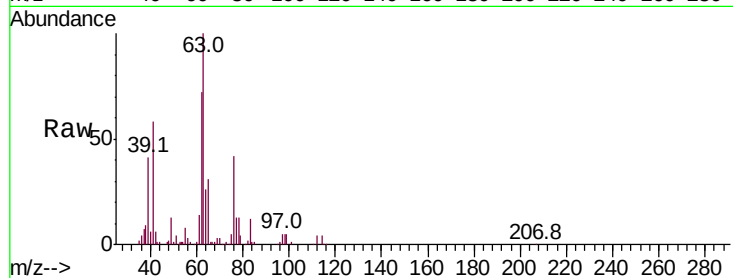
ClientSampleId :

Tot Ion: 63 Resp: 64429

Ion Ratio Lower Upper

63 100

65 31.5 25.3 37.9



#46

Dibromomethane

Concen: 20.285 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

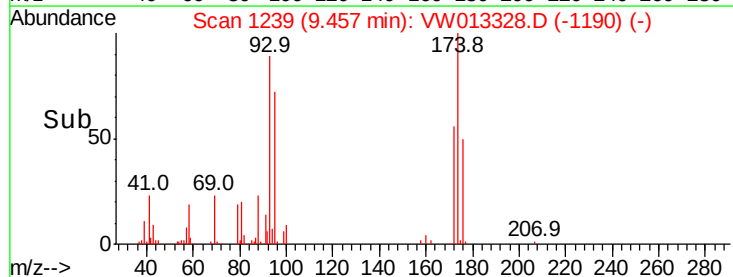
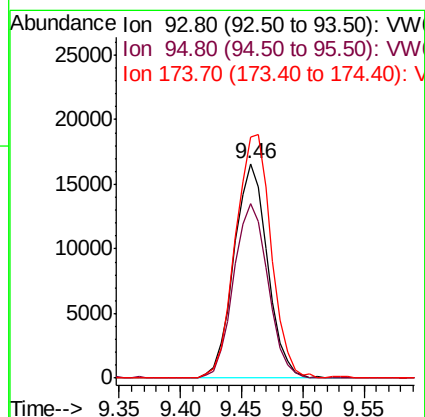
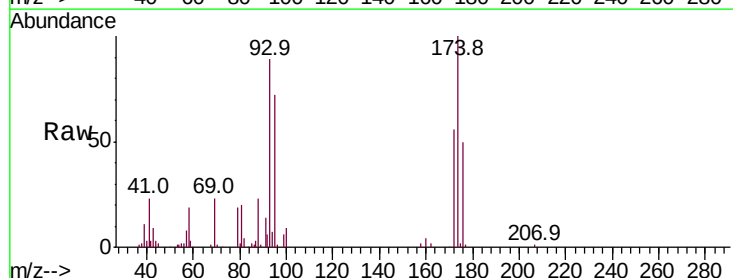
Tgt Ion: 93 Resp: 31486

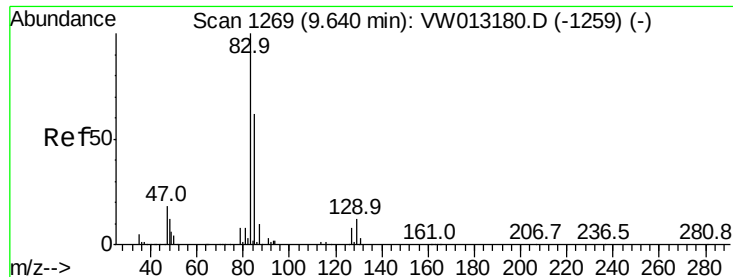
Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 121.0 93.0 139.6





#47

Bromodichloromethane

Concen: 20.049 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

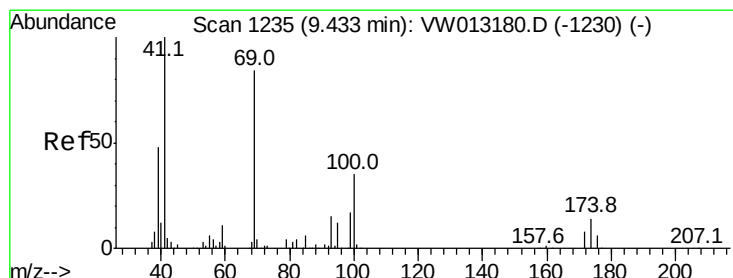
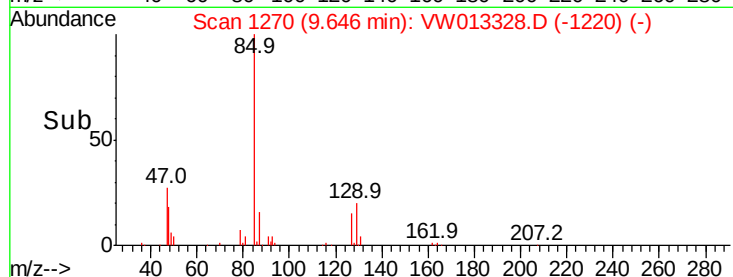
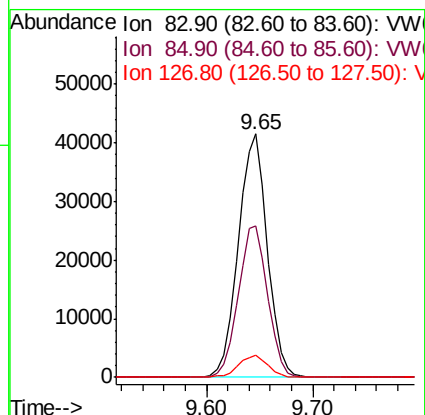
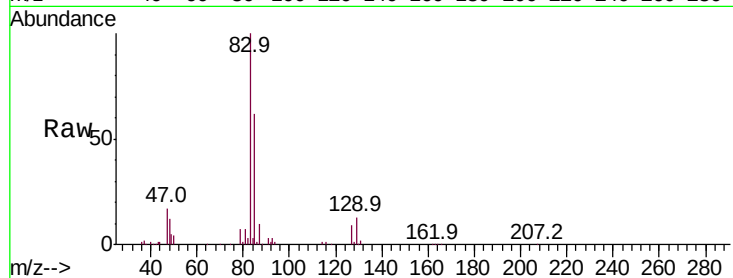
Tot Ion: 83 Resp: 79185

Ion Ratio Lower Upper

83 100

85 62.1 49.4 74.2

127 9.2 6.5 9.7



#48

Methyl methacrylate

Concen: 20.758 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

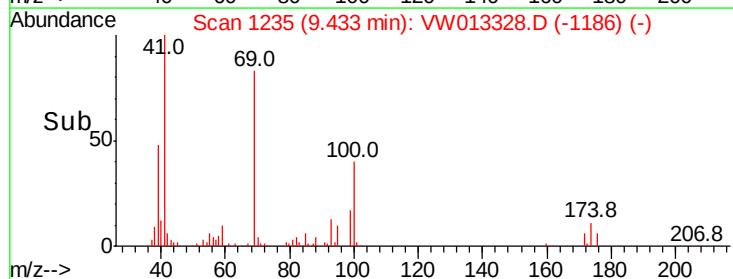
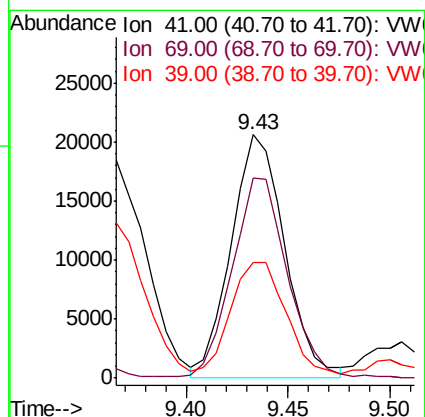
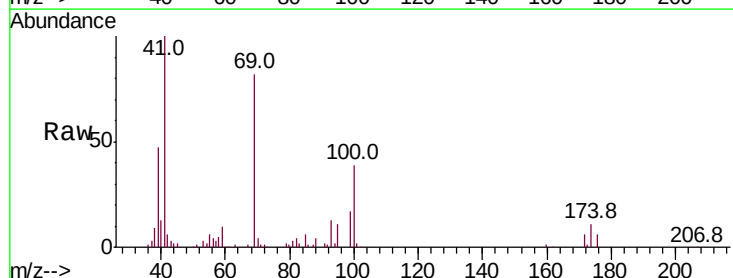
Tgt Ion: 41 Resp: 37328

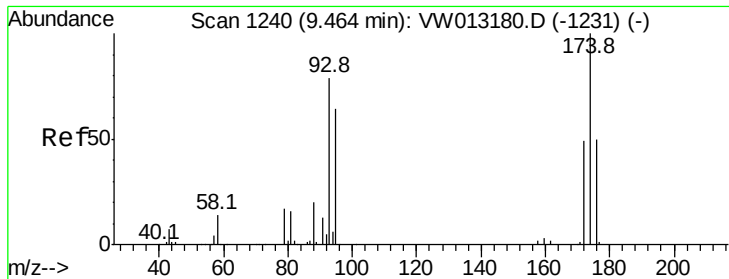
Ion Ratio Lower Upper

41 100

69 85.5 69.7 104.5

39 46.8 41.1 61.7

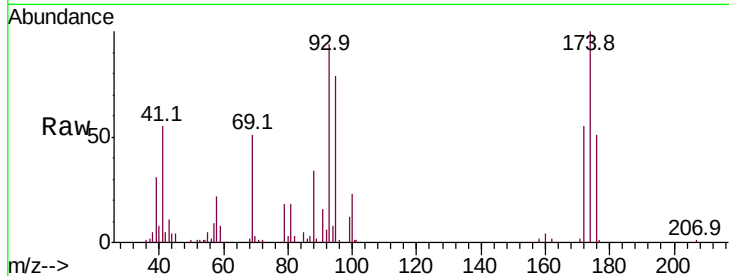




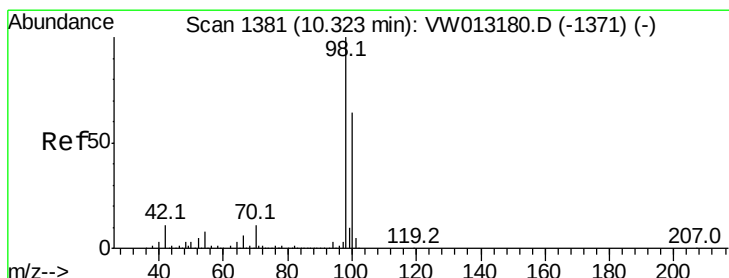
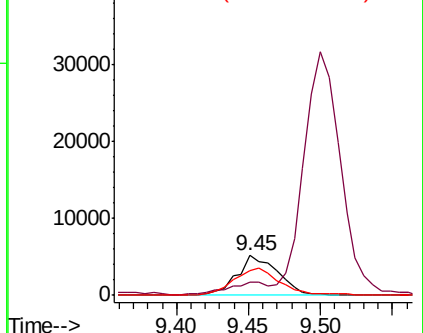
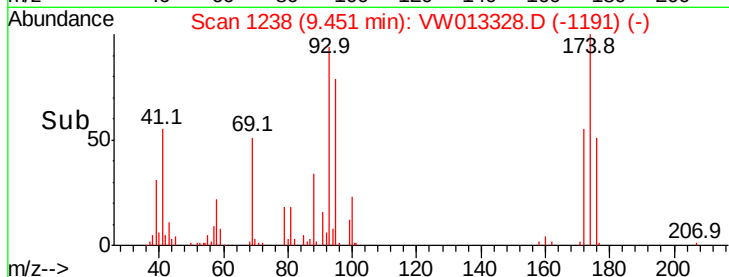
#49
1,4-Dioxane
Concen: 433.658 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 10104
Ion Ratio Lower Upper
88 100
43 28.4 0.0 0.0#
58 77.8 65.4 98.0

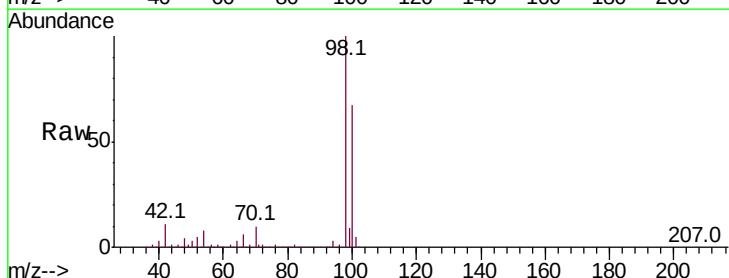


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

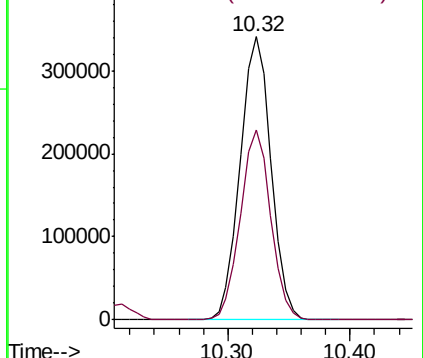
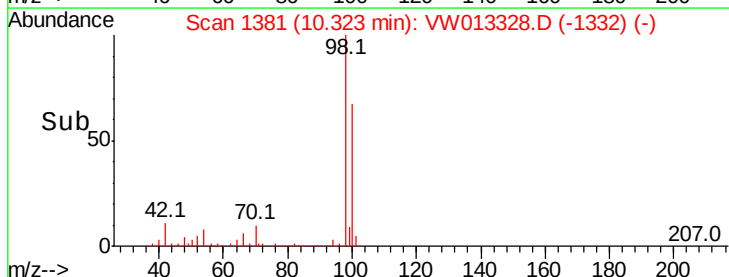


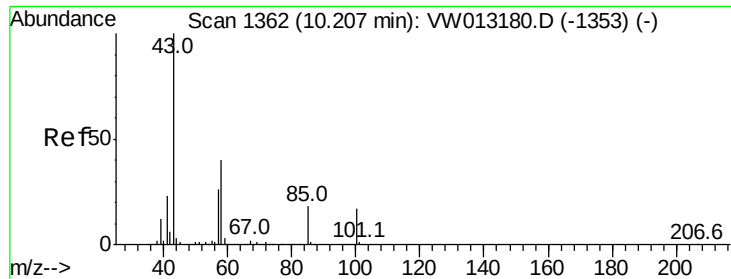
#50
Toluene-d8
Concen: 53.502 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 98 Resp: 596939
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

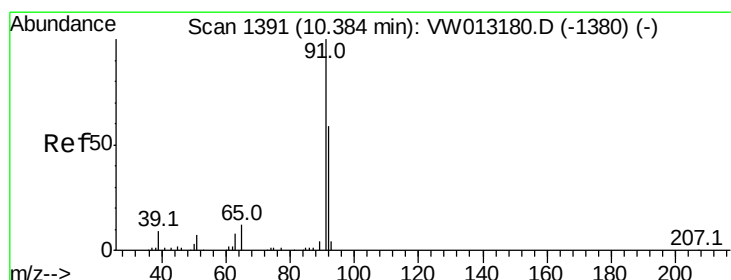
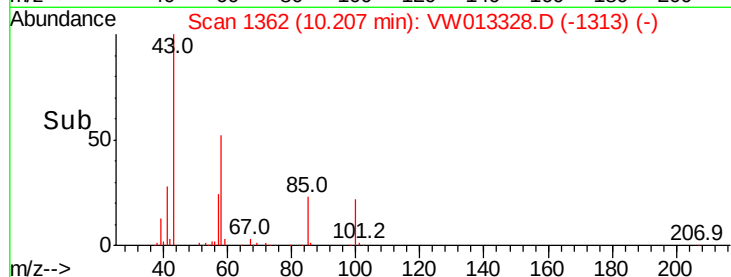
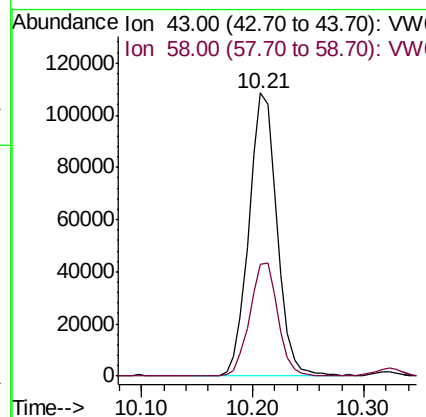
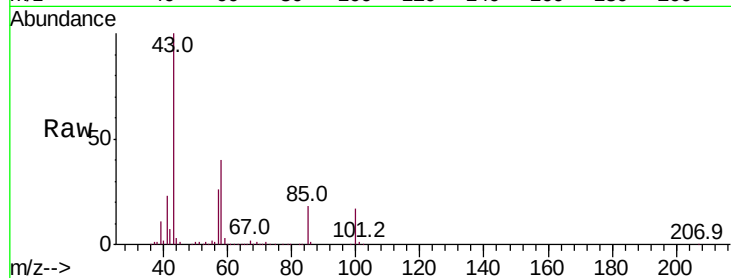




#51
 4-Methyl-2-Pentanone
 Concen: 99.029 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

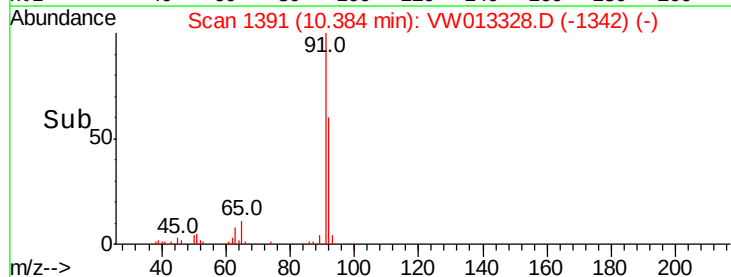
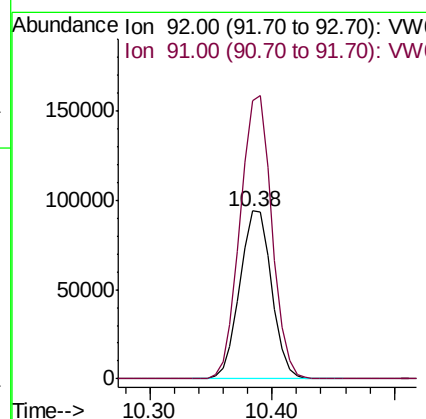
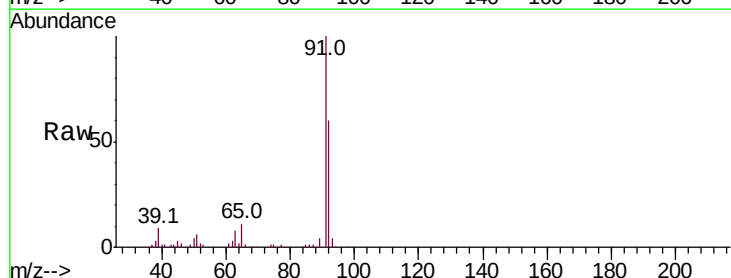
Instrument :
 MSVOA_W
 ClientSampled :

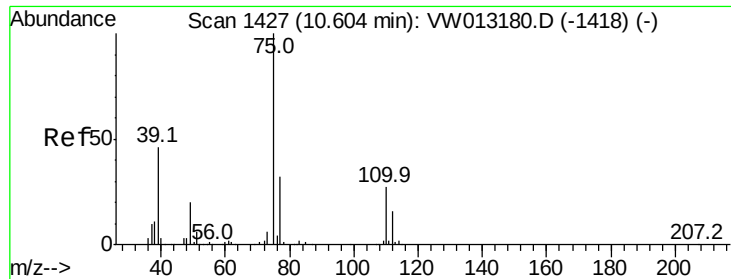
Tot Ion: 43 Resp: 189854
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.7 47.5



#52
 Toluene
 Concen: 20.167 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion: 92 Resp: 169255
 Ion Ratio Lower Upper
 92 100
 91 168.4 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.690 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

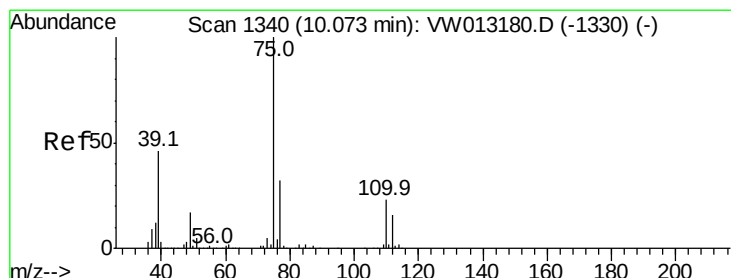
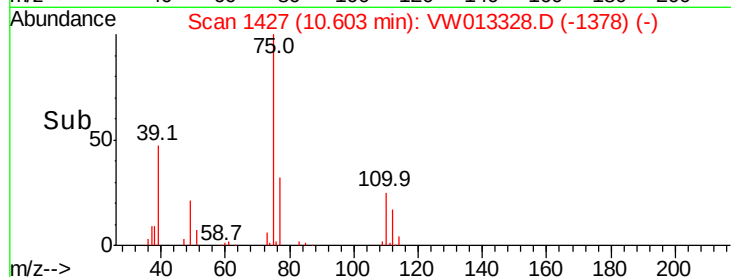
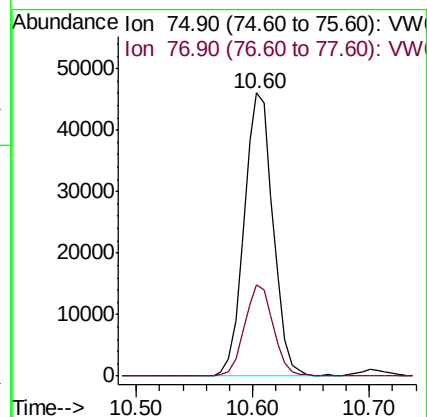
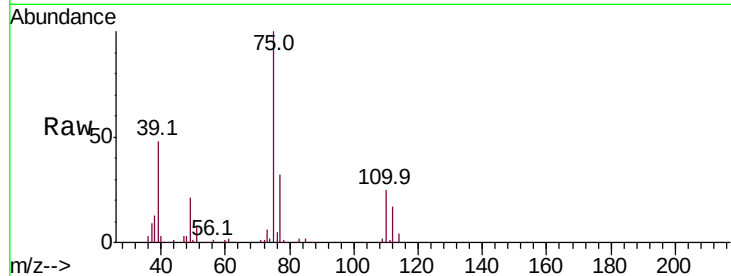
ClientSampled :

Tot Ion: 75 Resp: 79897

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.108 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

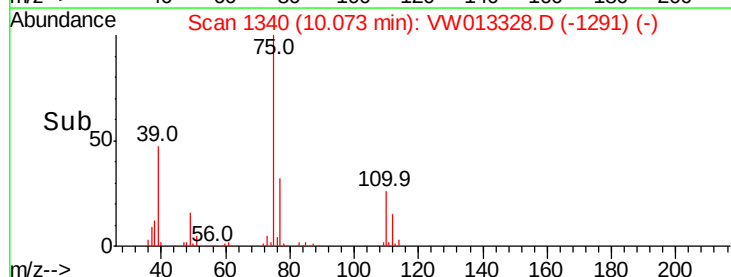
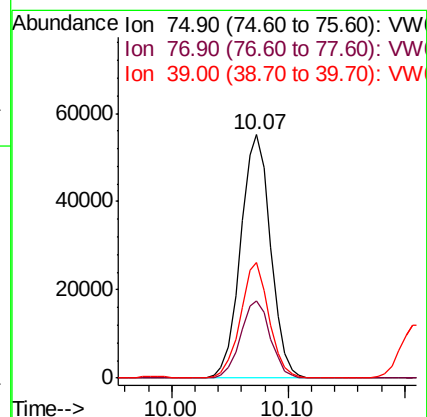
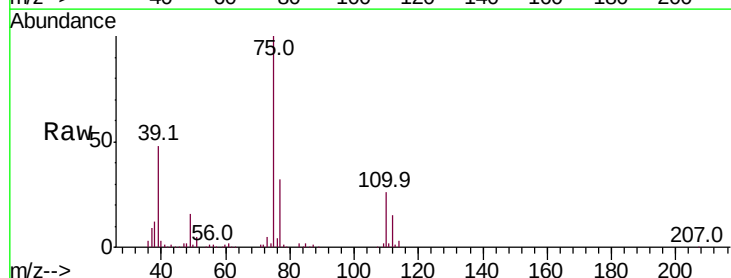
Tgt Ion: 75 Resp: 99208

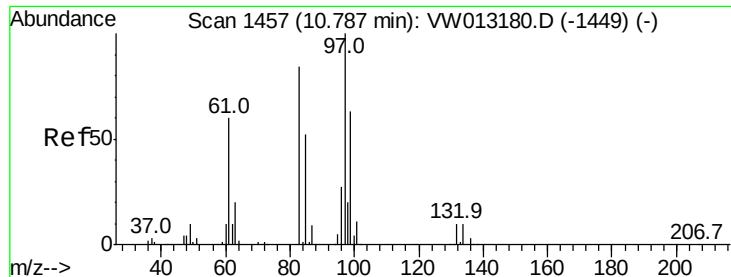
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 47.5 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.695 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 45693

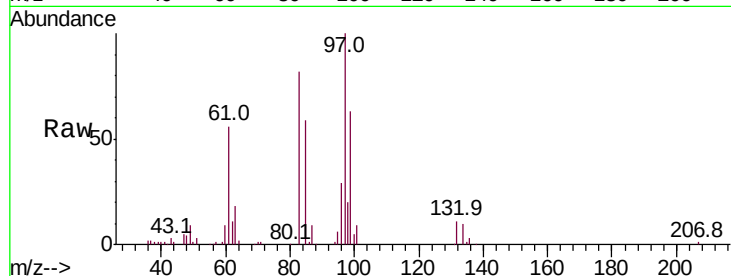
Ion Ratio Lower Upper

97 100

83 81.7 67.6 101.4

85 58.4 41.9 62.9

99 63.1 50.1 75.1



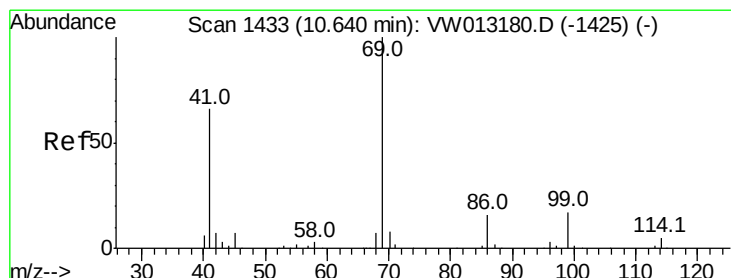
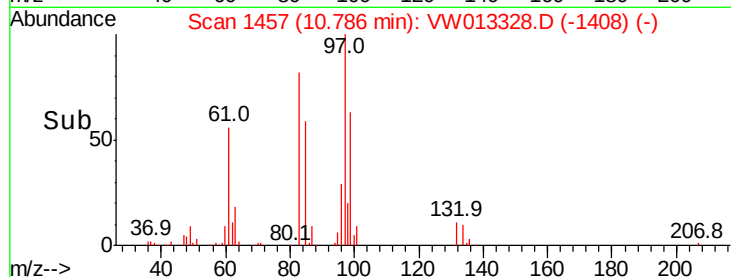
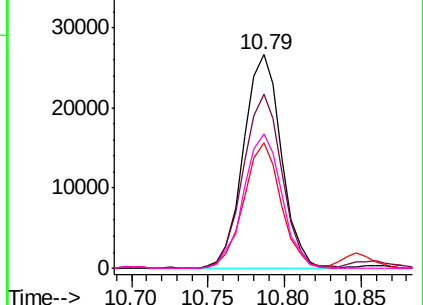
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.231 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

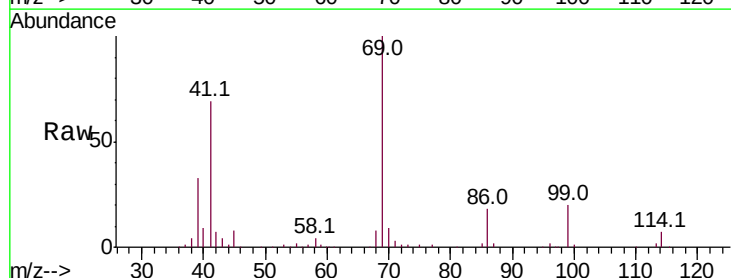
Tgt Ion: 69 Resp: 61427

Ion Ratio Lower Upper

69 100

41 65.1 53.9 80.9

39 29.1 23.8 35.6

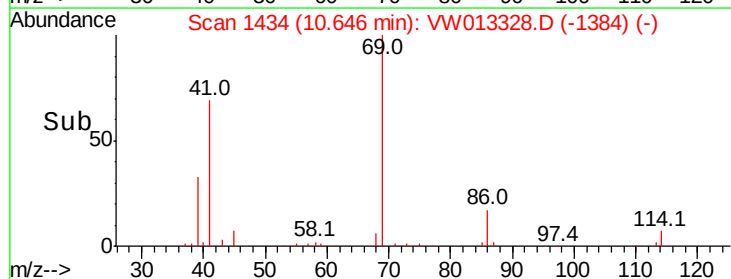
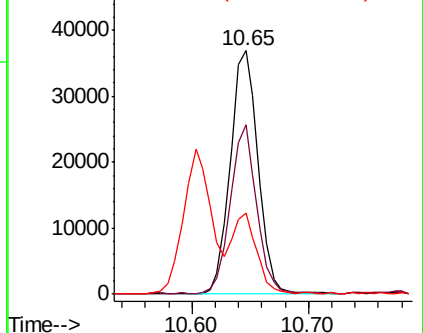


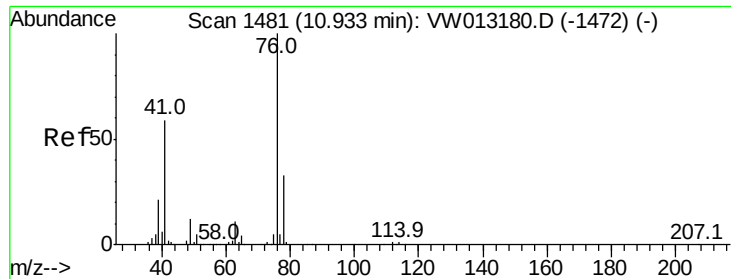
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 19.746 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

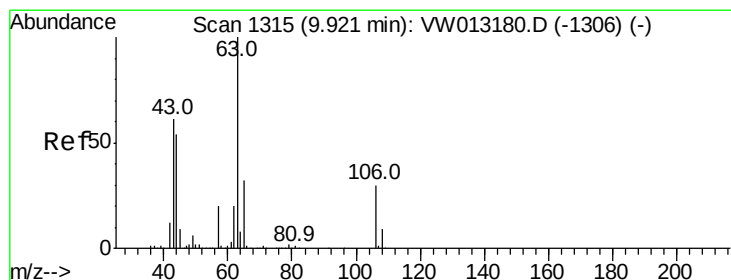
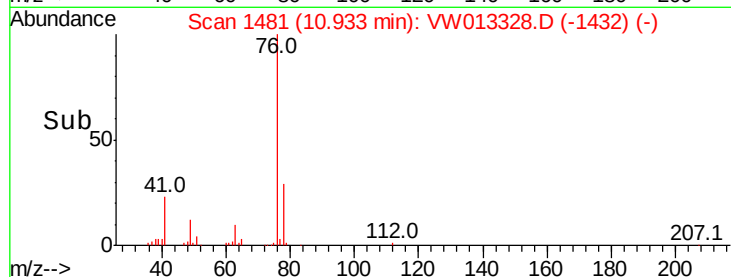
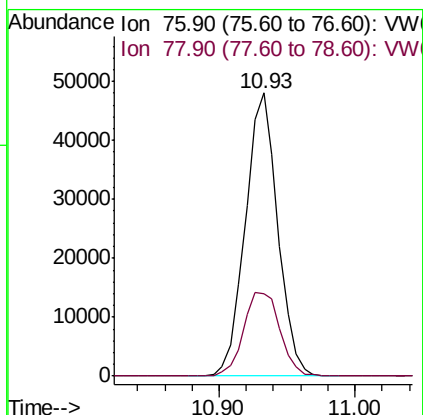
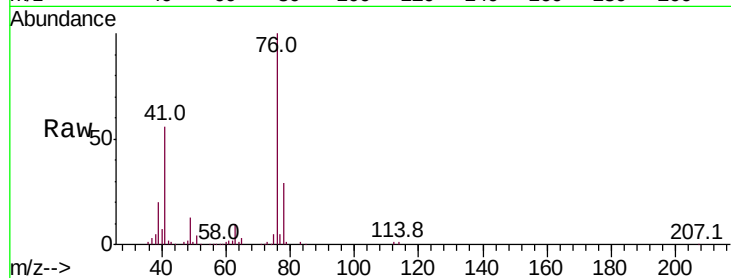
ClientSampled :

Tot Ion: 76 Resp: 79943

Ion Ratio Lower Upper

76 100

78 33.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 102.960 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013328.D

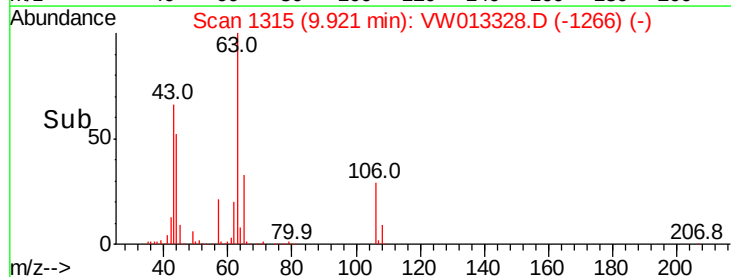
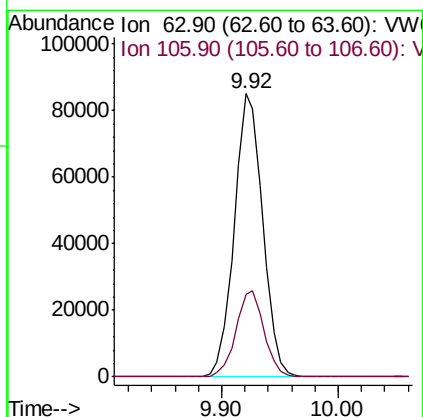
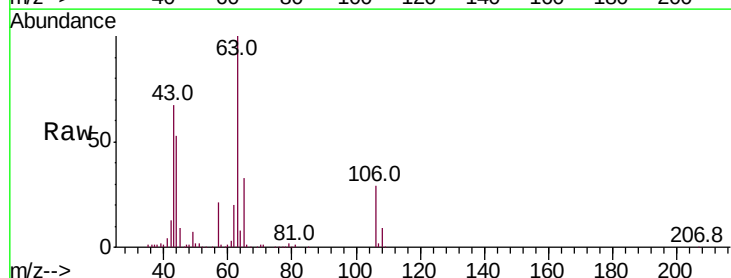
Acq: 30 Sep 2019 13:08

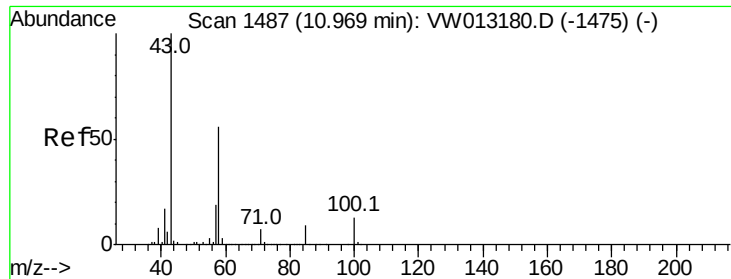
Tgt Ion: 63 Resp: 144724

Ion Ratio Lower Upper

63 100

106 30.1 23.4 35.0





#59

2-Hexanone

Concen: 98.800 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

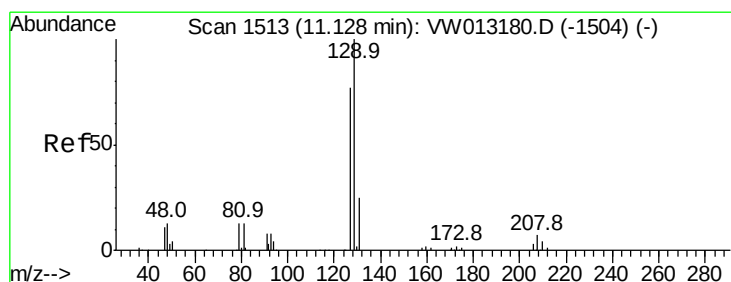
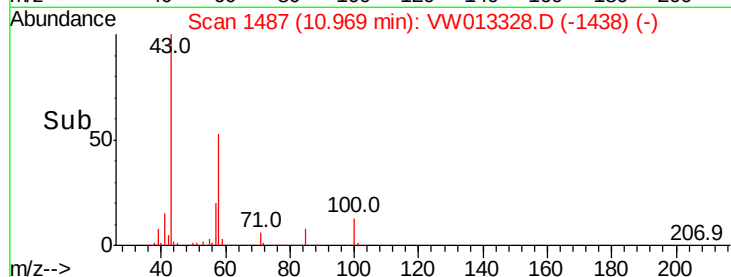
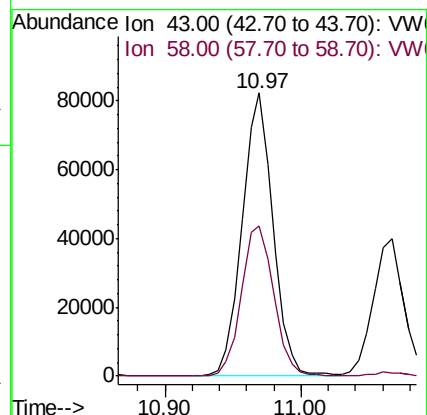
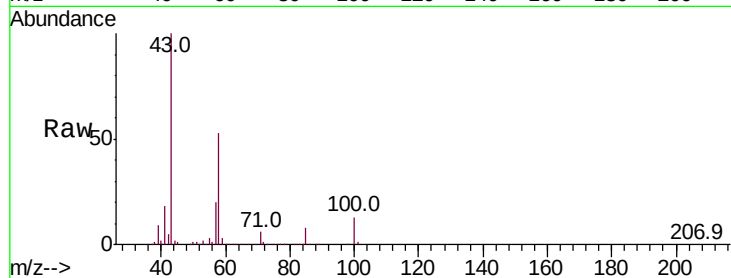
ClientSampleId :

Tot Ion: 43 Resp: 130317

Ion Ratio Lower Upper

43 100

58 56.0 28.1 84.2



#60

Dibromochloromethane

Concen: 20.206 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013328.D

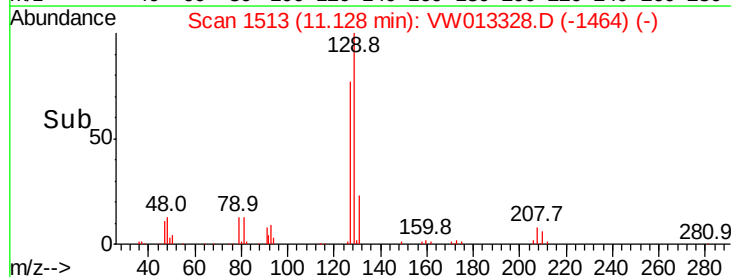
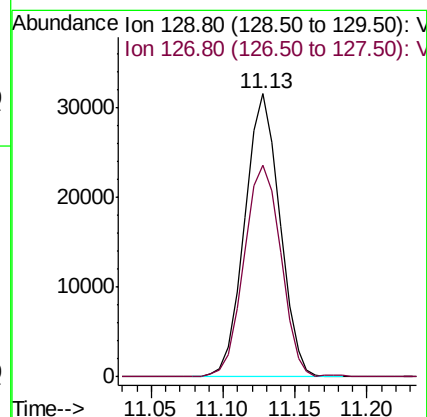
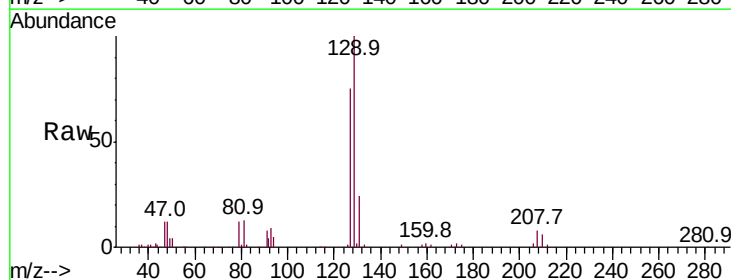
Acq: 30 Sep 2019 13:08

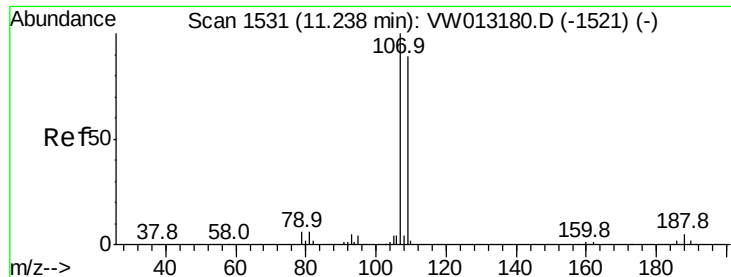
Tgt Ion: 129 Resp: 53229

Ion Ratio Lower Upper

129 100

127 78.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 20.043 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

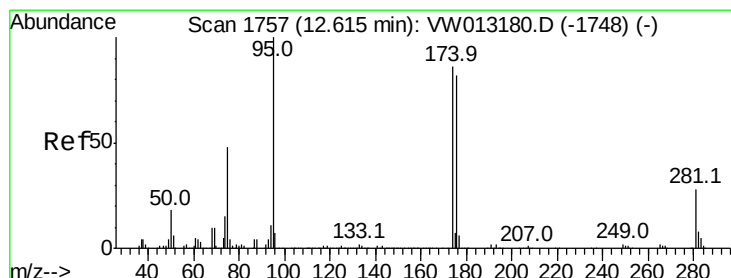
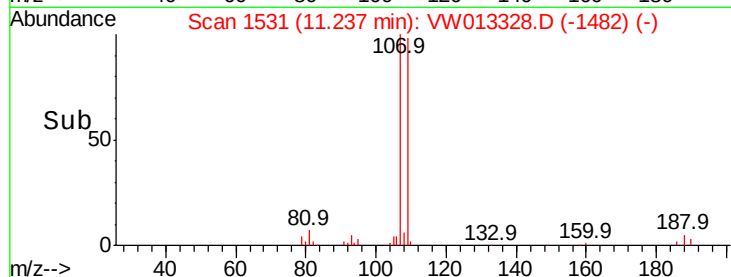
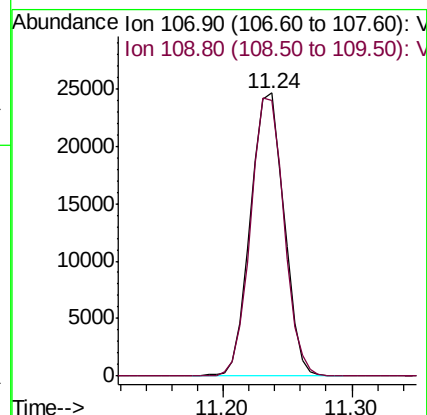
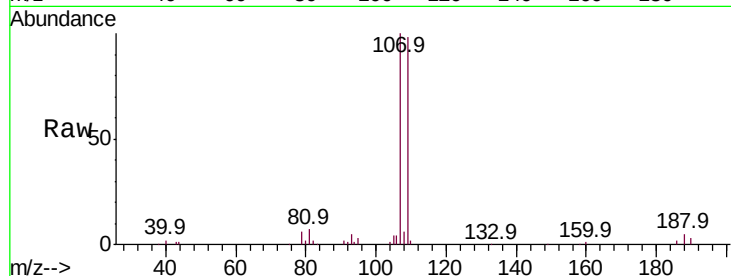
ClientSampled :

Tot Ion:107 Resp: 44212

Ion Ratio Lower Upper

107 100

109 97.7 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 53.878 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

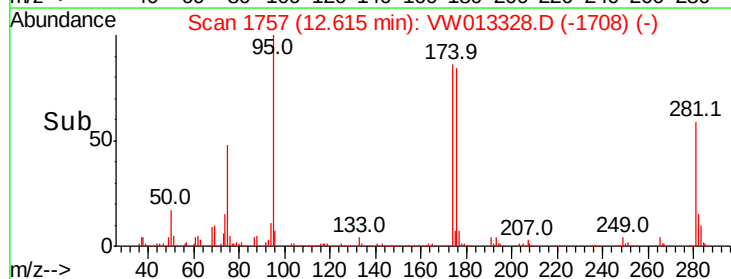
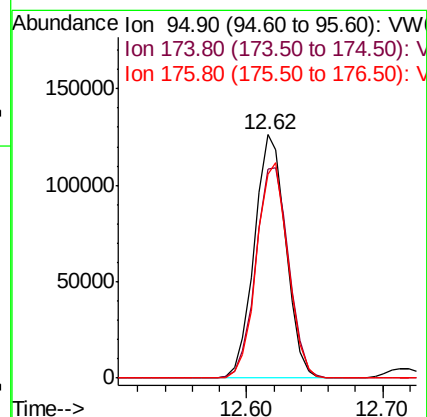
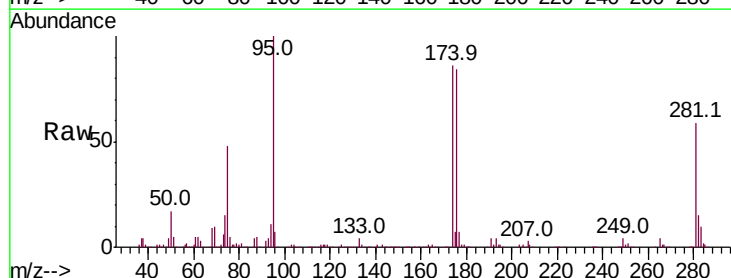
Tgt Ion: 95 Resp: 205342

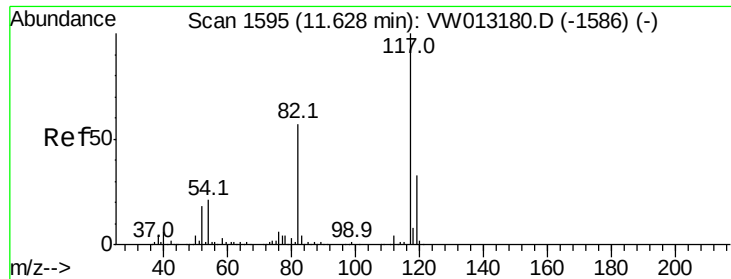
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

176 88.1 0.0 172.2

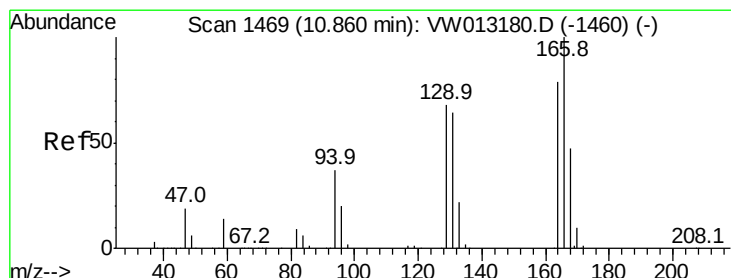
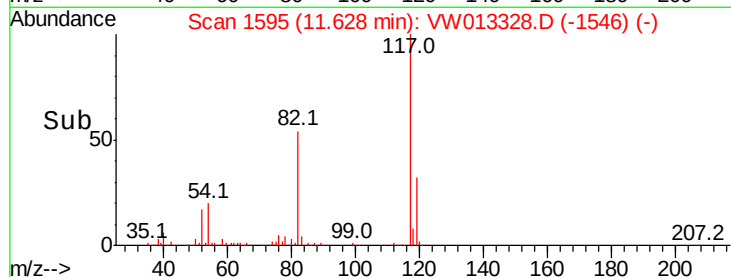
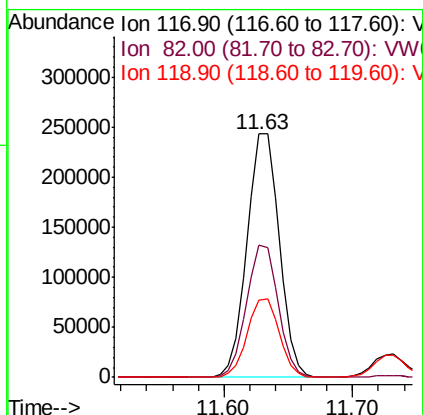
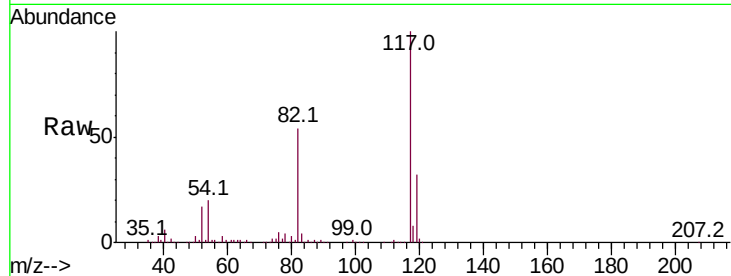




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

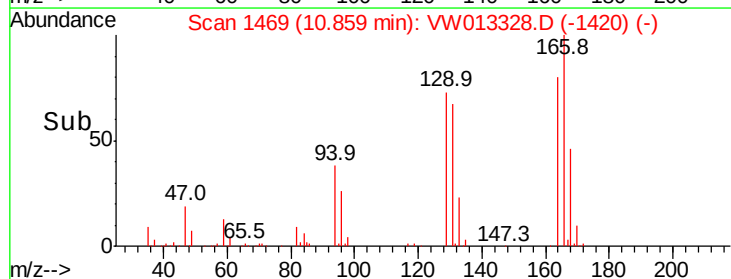
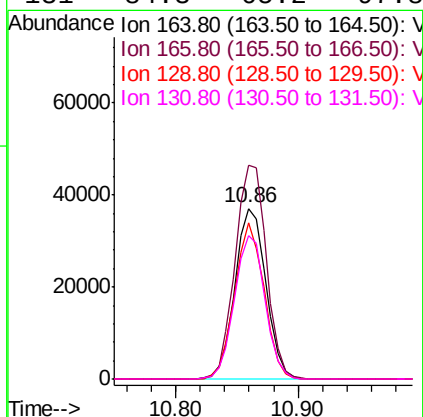
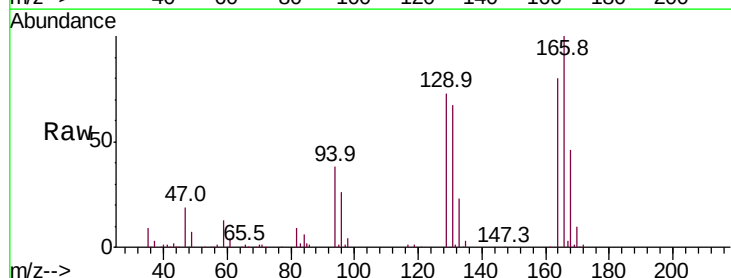
Instrument :
MSVOA_W
ClientSampleId :

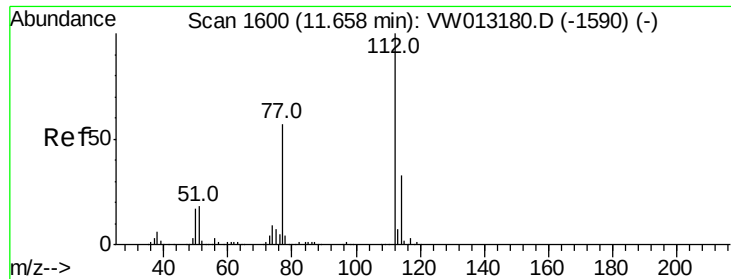
Tot Ion:117 Resp: 420412
Ion Ratio Lower Upper
117 100
82 54.4 45.9 68.9
119 31.5 26.2 39.2



#64
Tetrachloroethene
Concen: 20.234 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion:164 Resp: 64542
Ion Ratio Lower Upper
164 100
166 125.2 101.2 151.8
129 91.9 68.8 103.2
131 84.3 65.2 97.8

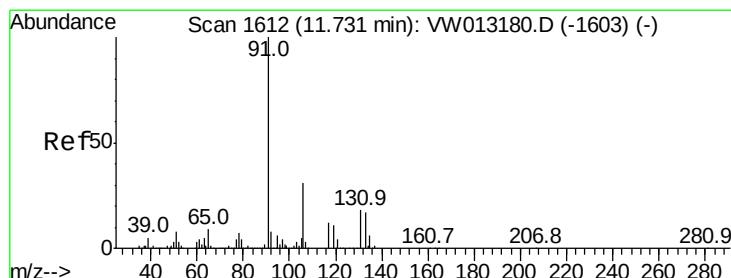
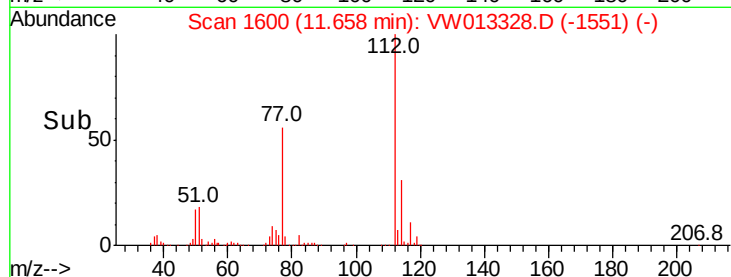
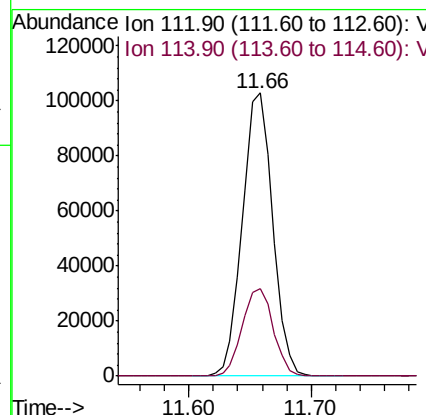
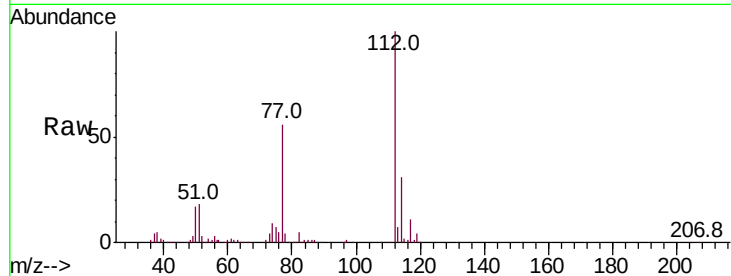




#65
Chlorobenzene
Concen: 20.126 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

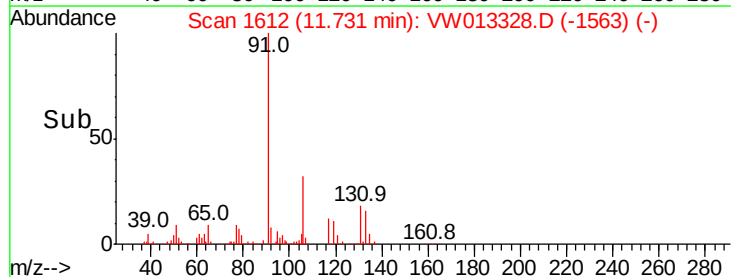
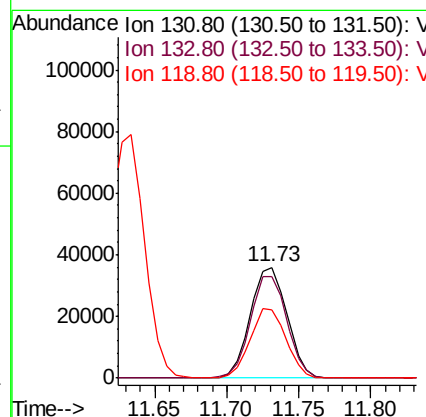
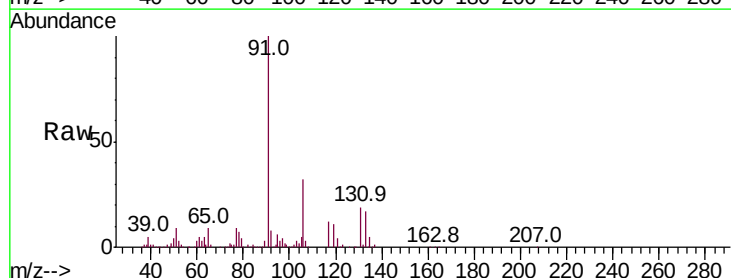
Instrument :
MSVOA_W
ClientSampled :

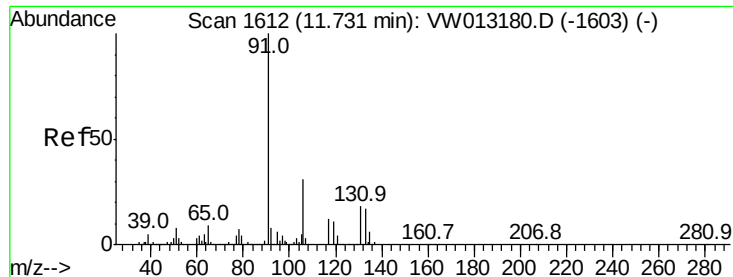
Tot Ion:112 Resp: 176687
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.046 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion:131 Resp: 63121
Ion Ratio Lower Upper
131 100
133 92.6 47.5 142.6
119 61.9 32.5 97.5

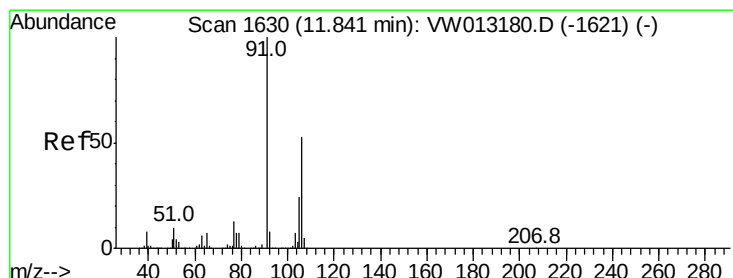
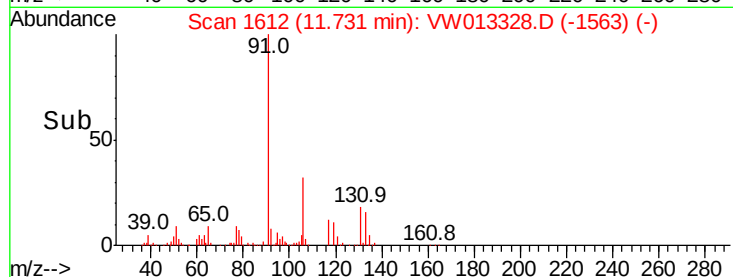
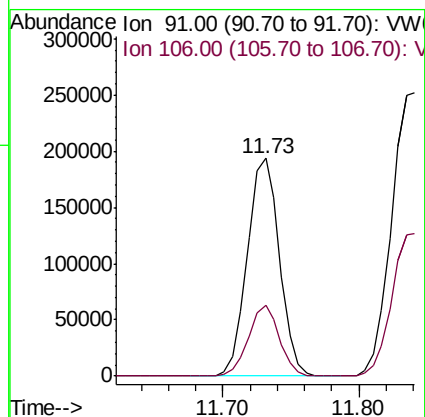
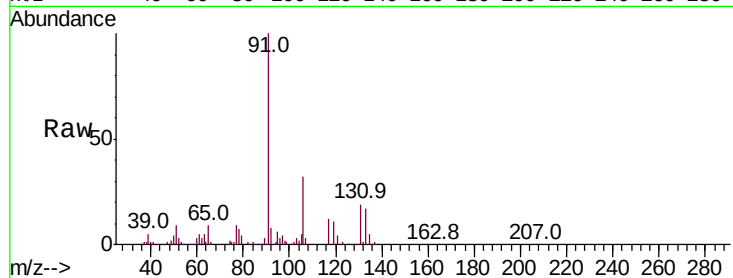




#67
Ethyl Benzene
Concen: 20.191 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

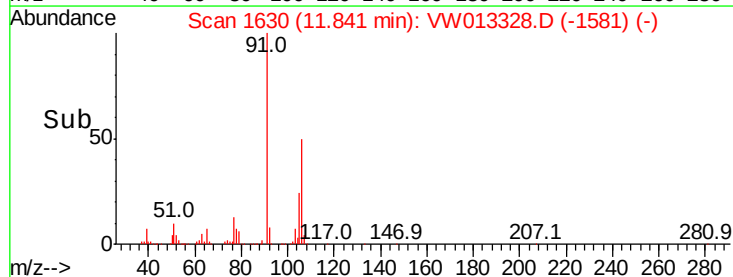
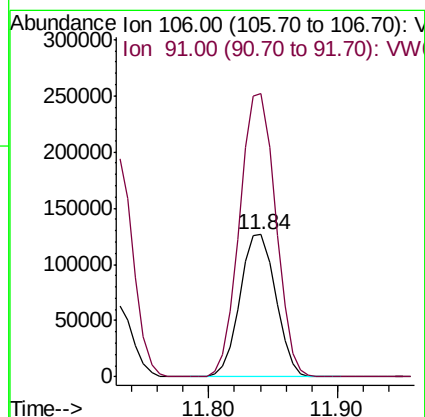
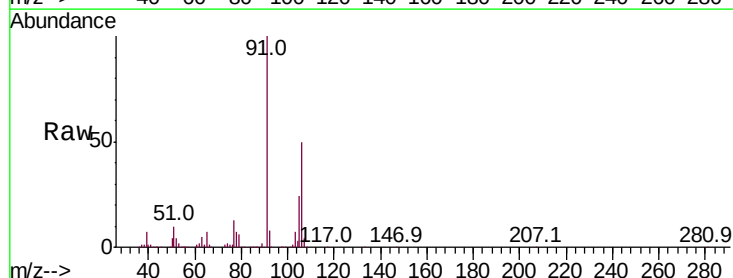
Instrument :
MSVOA_W
ClientSampled :

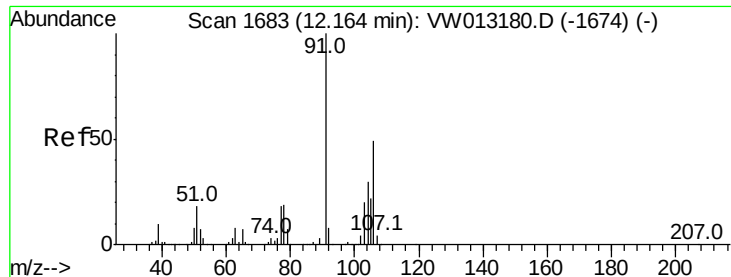
Tot Ion: 91 Resp: 321170
Ion Ratio Lower Upper
91 100
106 32.4 24.9 37.3



#68
m/p-Xylenes
Concen: 40.367 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 106 Resp: 244684
Ion Ratio Lower Upper
106 100
91 199.4 157.9 236.9

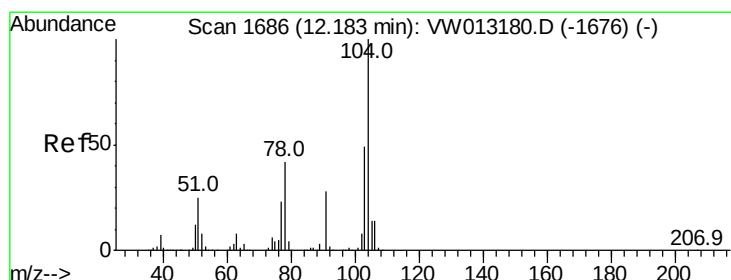
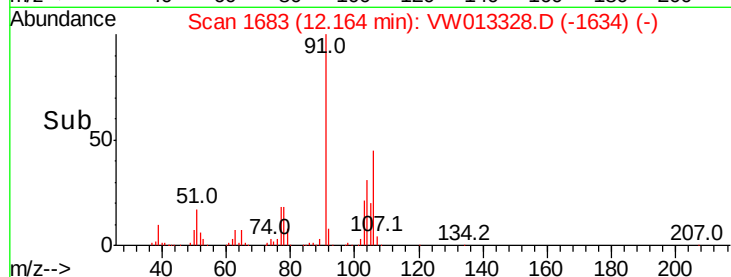
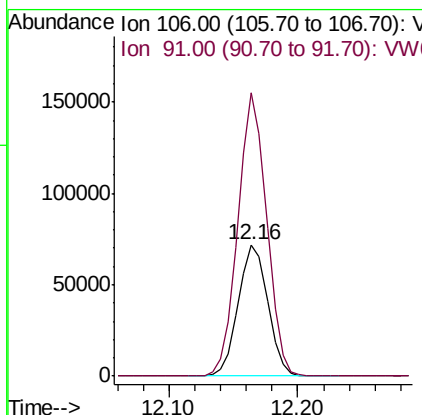
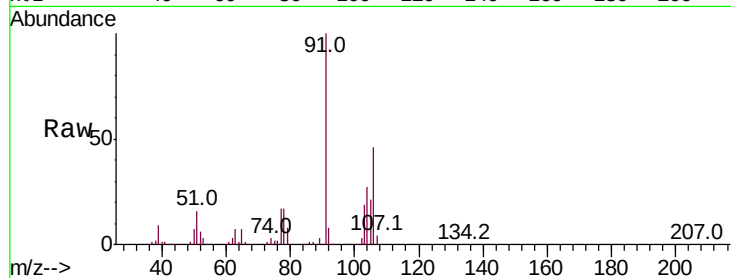




#69
o-Xylene
Concen: 20.263 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

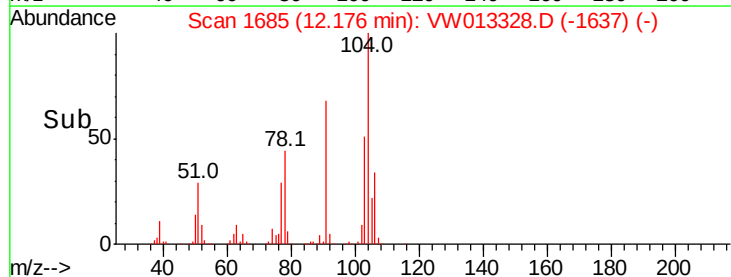
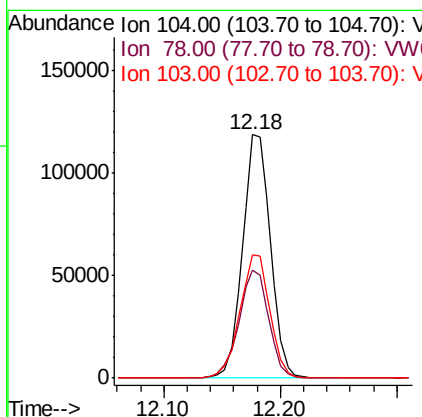
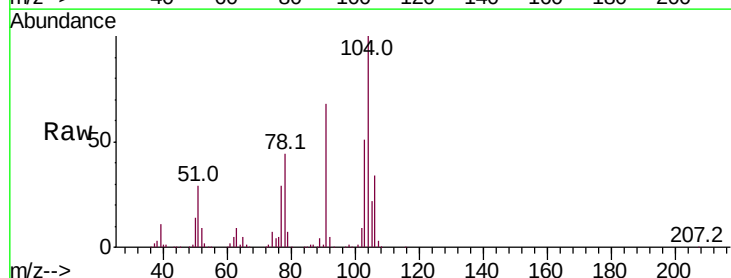
Instrument :
MSVOA_W
ClientSampleId :

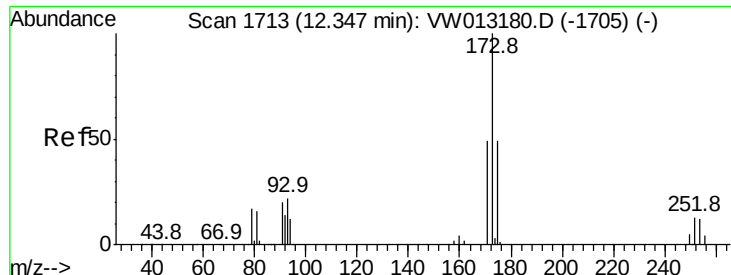
Tot Ion:106 Resp: 114192
Ion Ratio Lower Upper
106 100
91 209.2 106.5 319.5



#70
Styrene
Concen: 20.518 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion:104 Resp: 198513
Ion Ratio Lower Upper
104 100
78 47.2 38.4 57.6
103 54.3 43.3 64.9





#71

Bromoform

Concen: 19.988 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

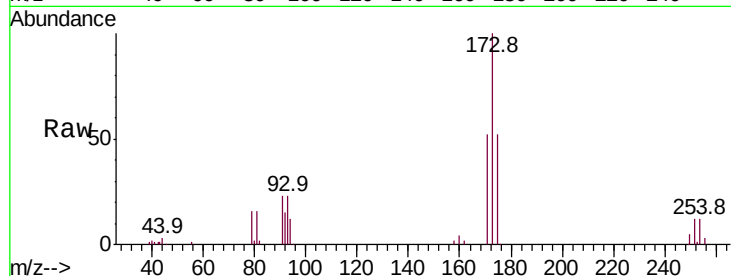
Tot Ion:173 Resp: 31671

Ion Ratio Lower Upper

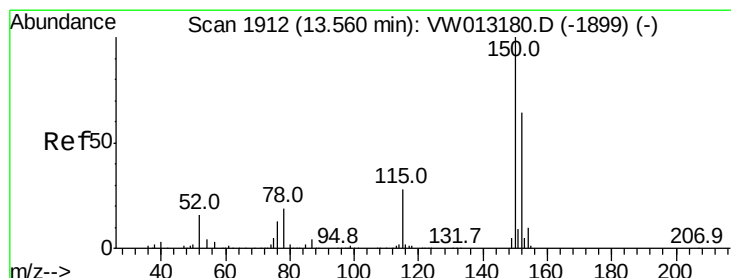
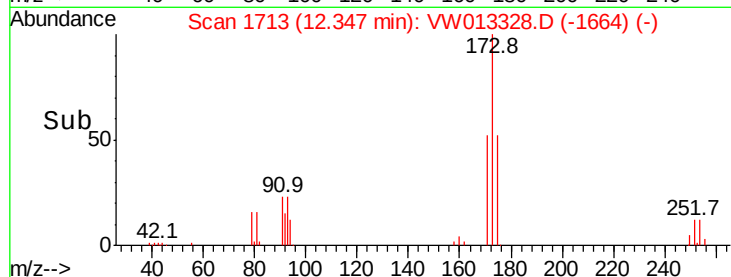
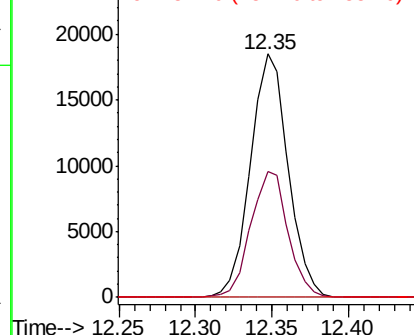
173 100

175 51.1 24.3 73.0

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: VW013328.D

Acq: 30 Sep 2019 13:08

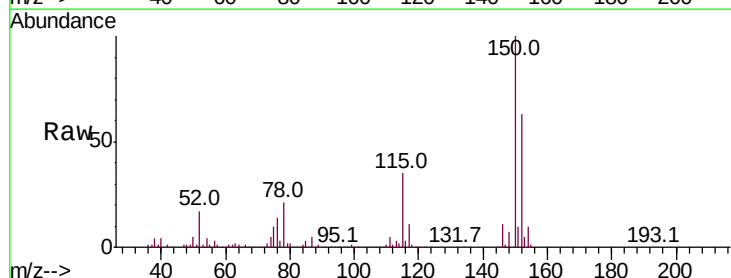
Tgt Ion:152 Resp: 215416

Ion Ratio Lower Upper

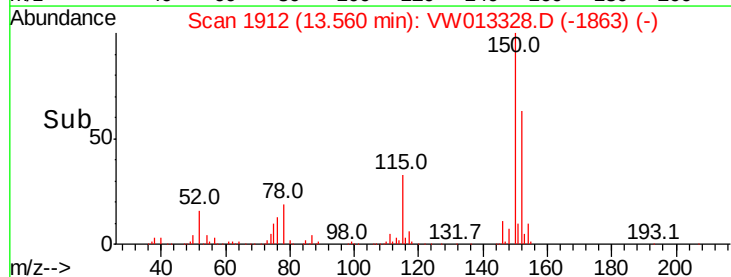
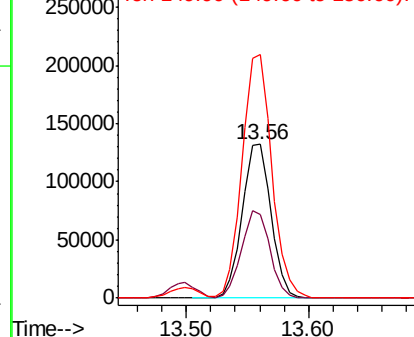
152 100

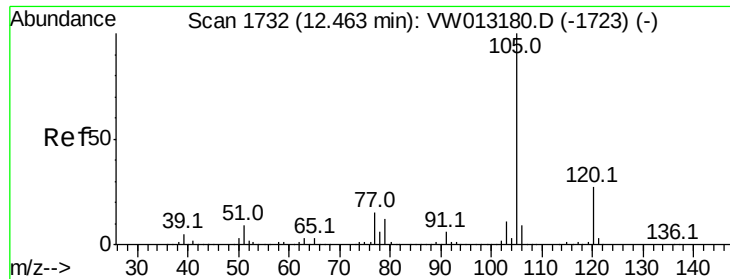
115 56.0 27.3 81.9

150 163.4 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.989 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

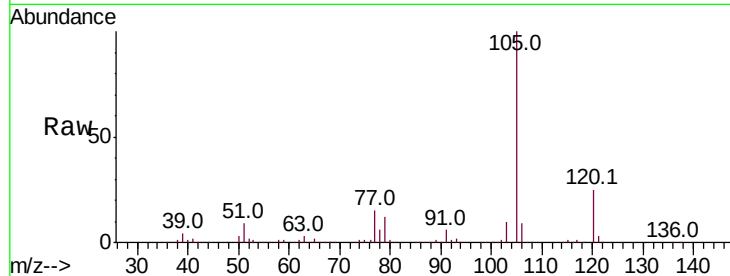
ClientSampleId :

Tot Ion:105 Resp: 318086

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

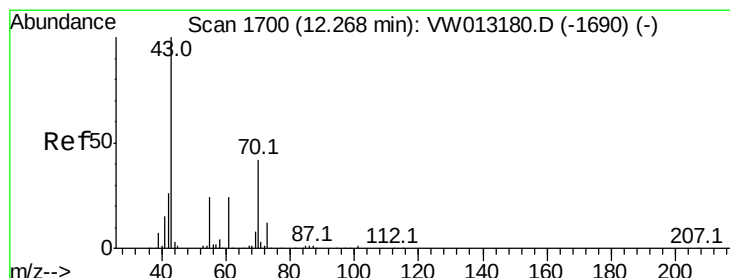
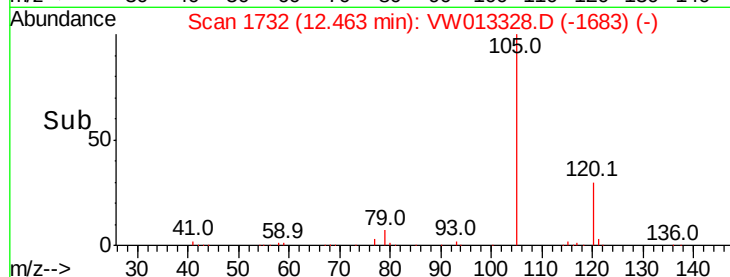
0

12.46

12.40

12.50

Time-->



#74

N-amyl acetate

Concen: 19.094 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion: 43 Resp: 67424

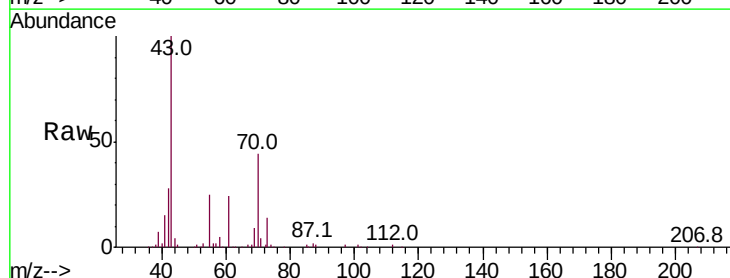
Ion Ratio Lower Upper

43 100

70 44.3 35.1 52.7

55 25.8 19.9 29.9

61 25.6 19.5 29.3



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

60000

40000

20000

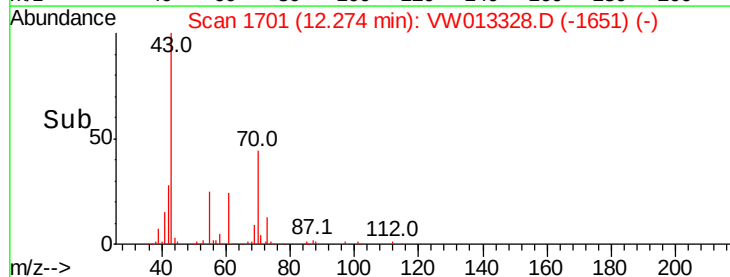
0

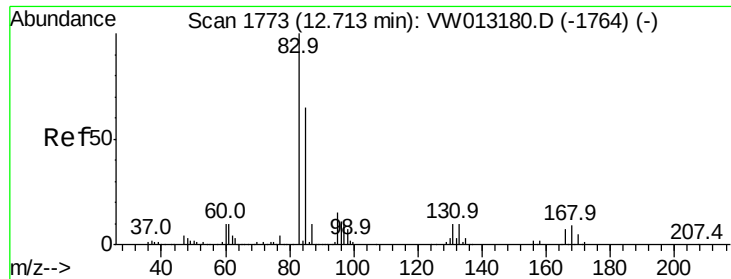
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.332 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

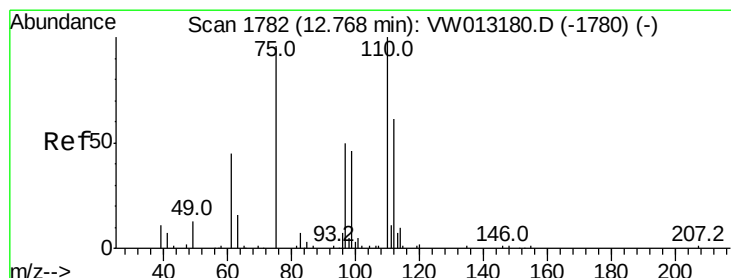
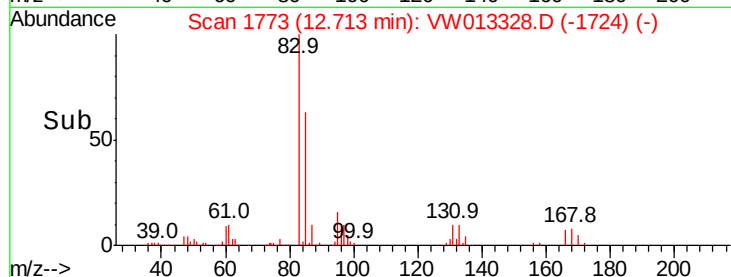
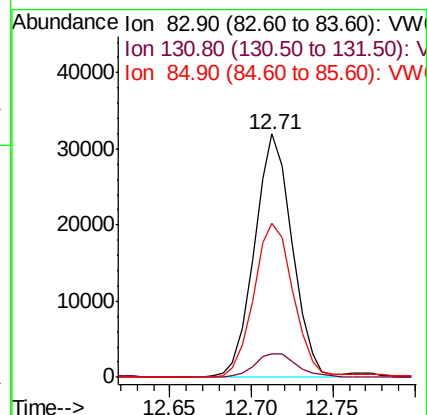
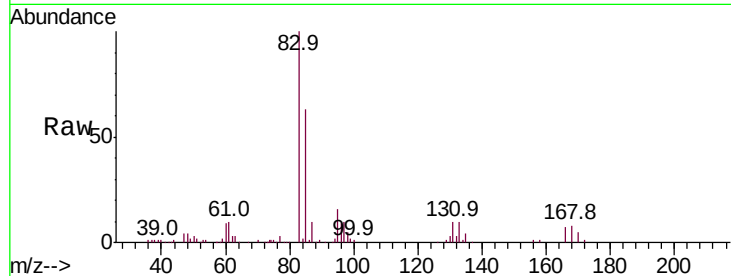
Tot Ion: 83 Resp: 51448

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

85 66.2 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 35.246 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013328.D

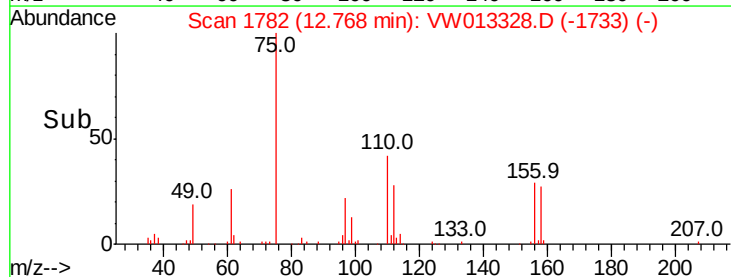
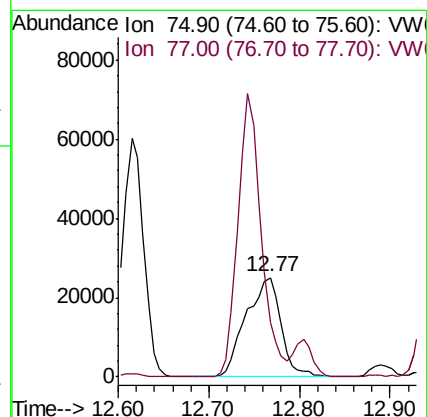
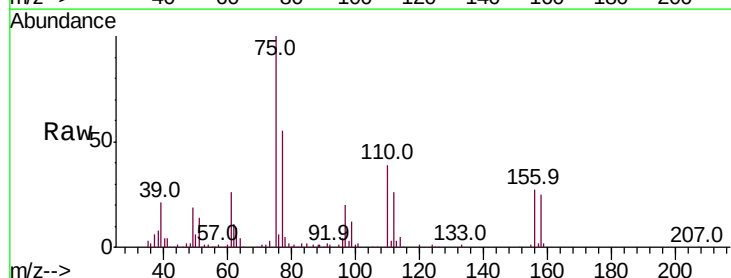
Acq: 30 Sep 2019 13:08

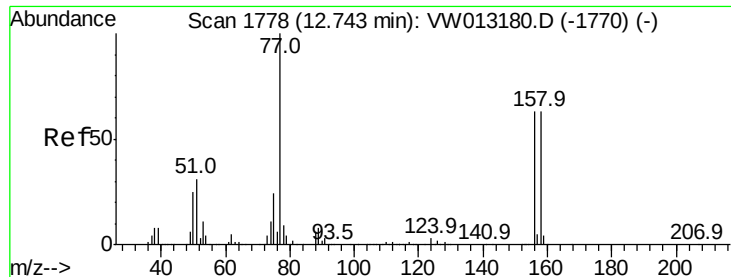
Tgt Ion: 75 Resp: 67053

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.011 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampled :

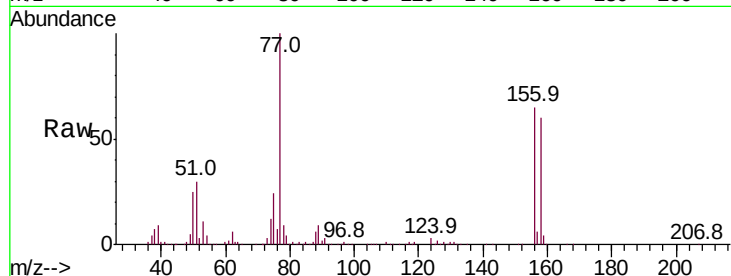
Tot Ion:156 Resp: 75461

Ion Ratio Lower Upper

156 100

77 170.6 85.7 257.1

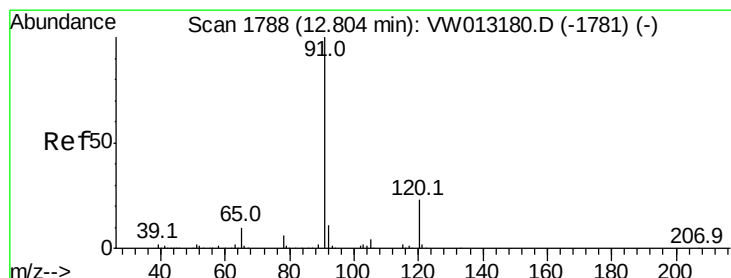
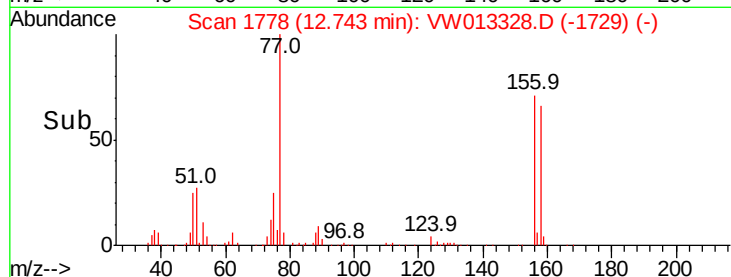
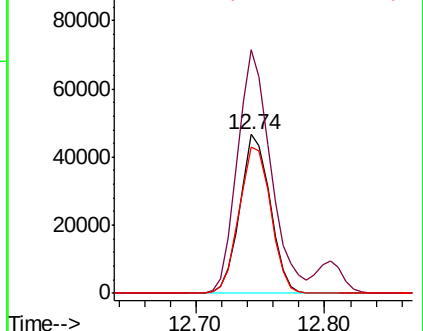
158 96.2 48.1 144.4



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: 19.698 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013328.D

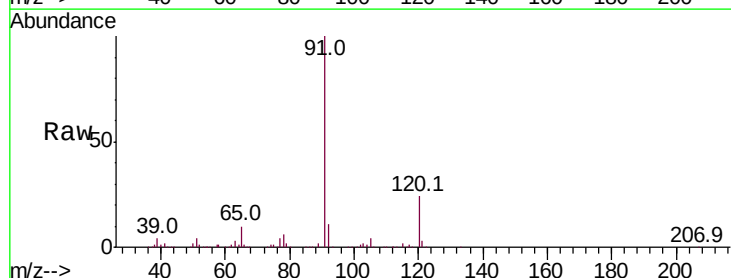
Acq: 30 Sep 2019 13:08

Tgt Ion: 91 Resp: 366902

Ion Ratio Lower Upper

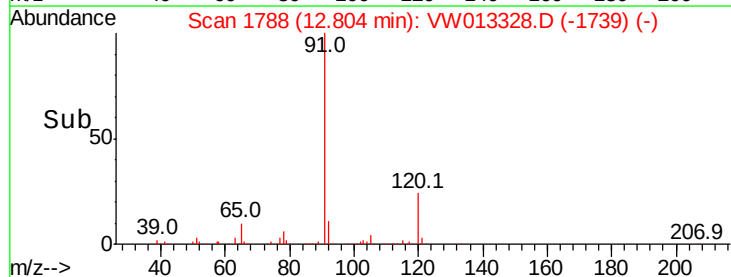
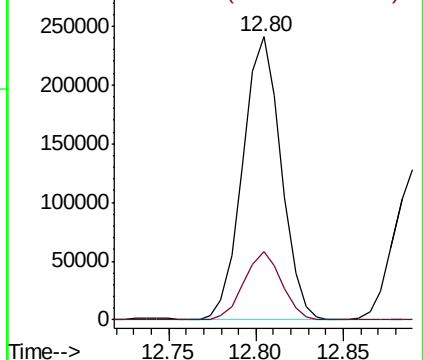
91 100

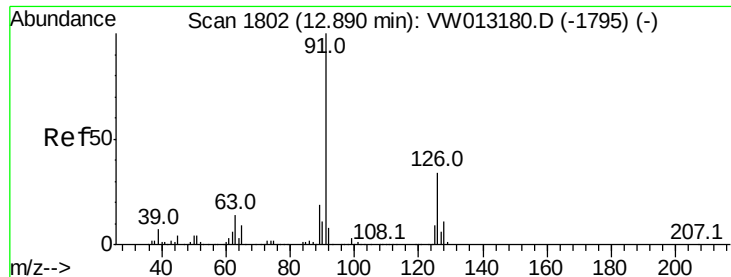
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.730 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

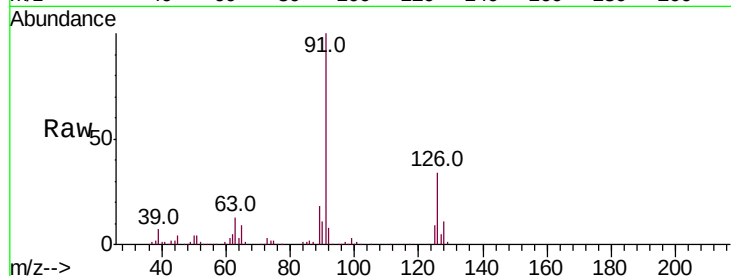
ClientSampled :

Tot Ion: 91 Resp: 205888

Ion Ratio Lower Upper

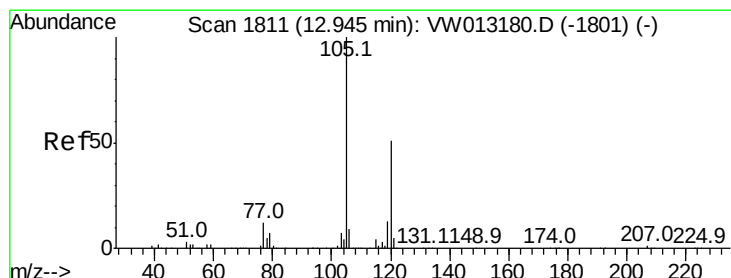
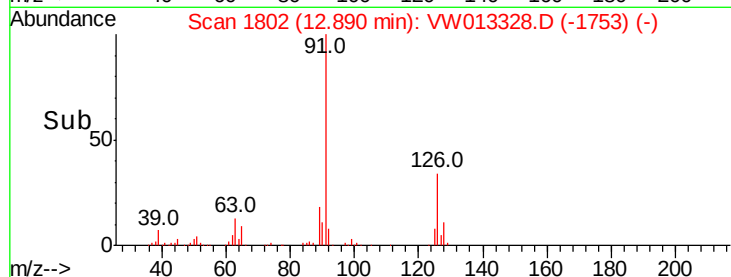
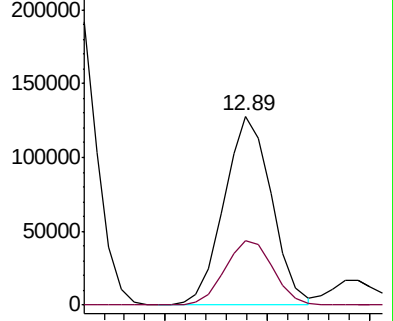
91 100

126 35.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.865 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013328.D

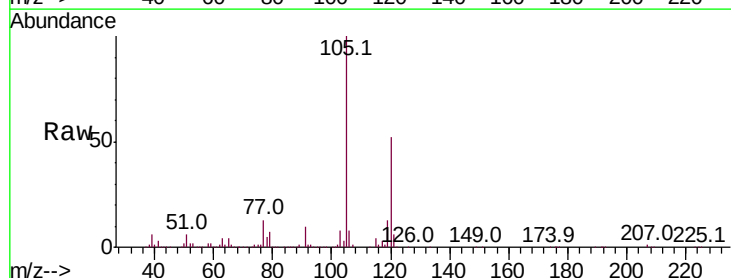
Acq: 30 Sep 2019 13:08

Tgt Ion:105 Resp: 265729

Ion Ratio Lower Upper

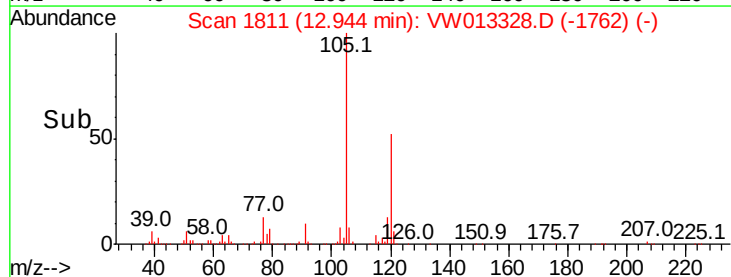
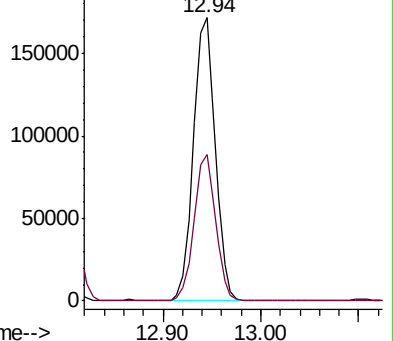
105 100

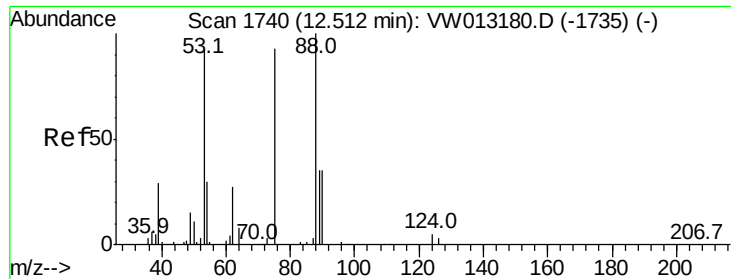
120 51.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

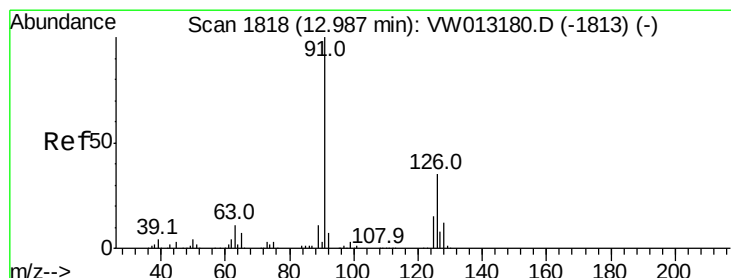
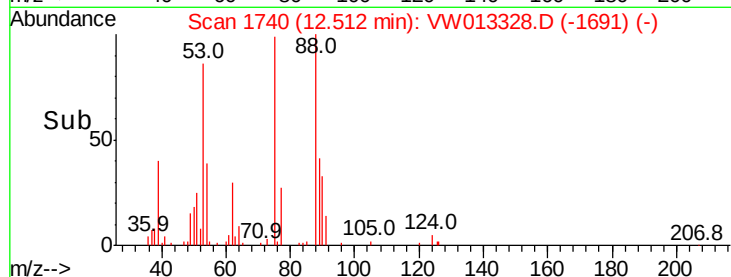
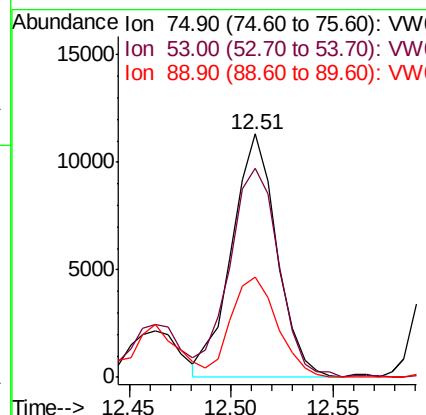
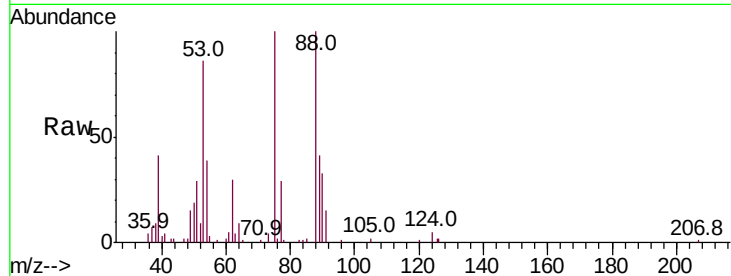




#81
trans-1,4-Dichloro-2-butene
Concen: 20.490 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

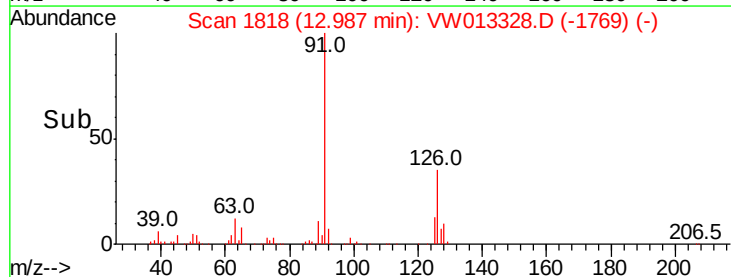
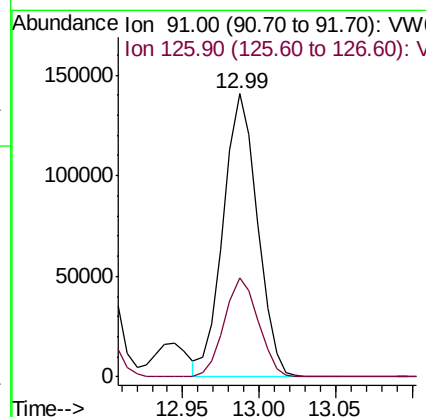
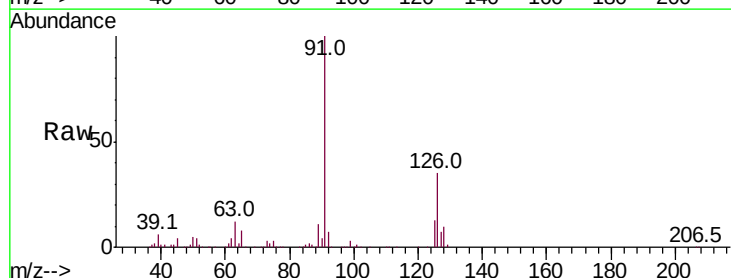
Instrument :
MSVOA_W
ClientSampled :

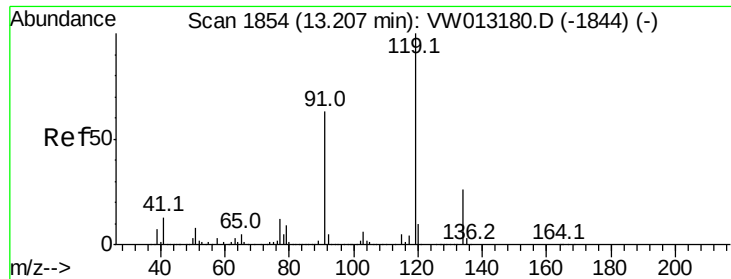
Tot Ion: 75 Resp: 17372
Ion Ratio Lower Upper
75 100
53 93.0 76.6 114.8
89 42.0 33.5 50.3



#82
4-Chlorotoluene
Concen: 19.889 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 91 Resp: 218864
Ion Ratio Lower Upper
91 100
126 34.8 17.3 51.7





#83

tert-Butylbenzene

Concen: 19.844 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013328.D

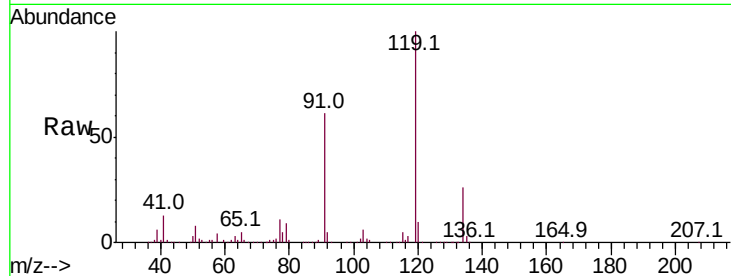
Acq: 30 Sep 2019 13:08

Instrument :

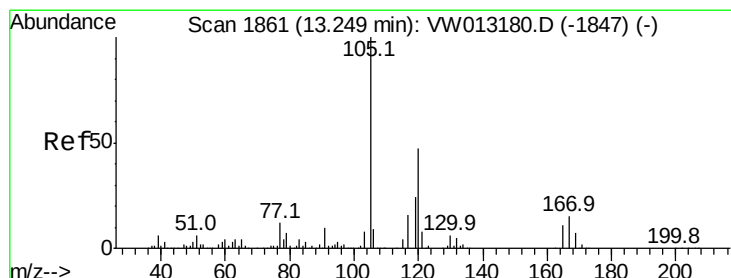
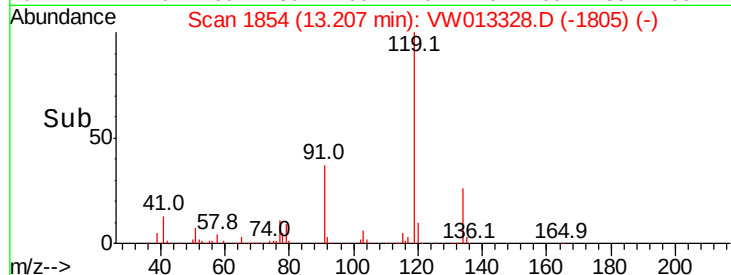
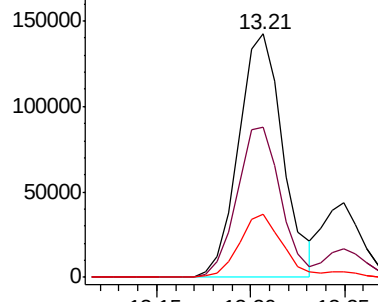
MSVOA_W

ClientSampleId :

Tot Ion:	119	Resp:	232977
Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.7	92.1
134	25.0	12.6	37.6



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



#84

1,2,4-Trimethylbenzene

Concen: 19.945 ug/l

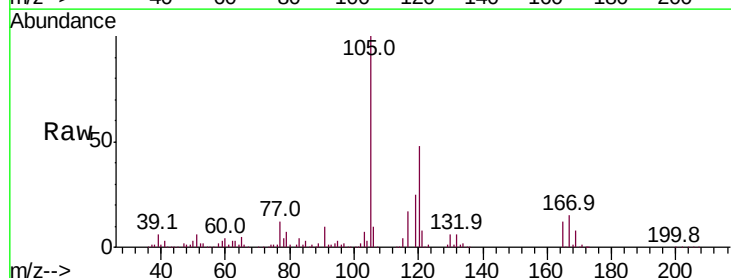
RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

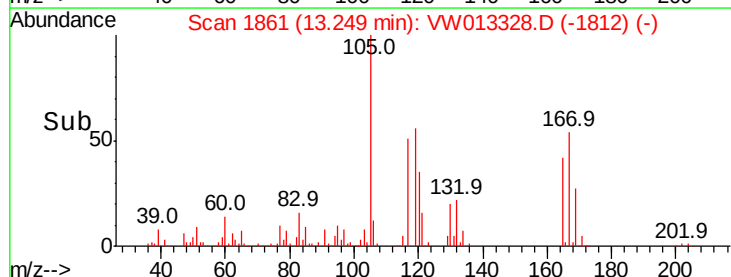
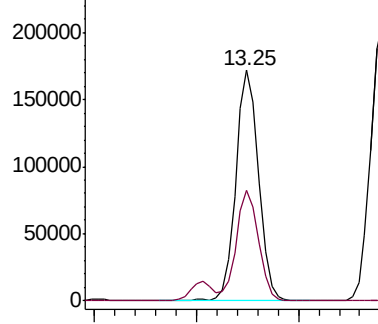
Lab File: VW013328.D

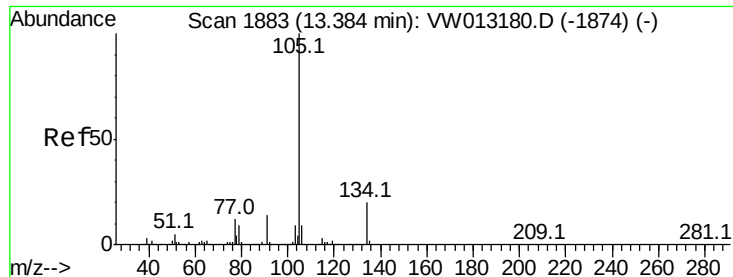
Acq: 30 Sep 2019 13:08

Tgt Ion:	105	Resp:	265478
Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.3



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





#85

sec-Butylbenzene

Concen: 19.821 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

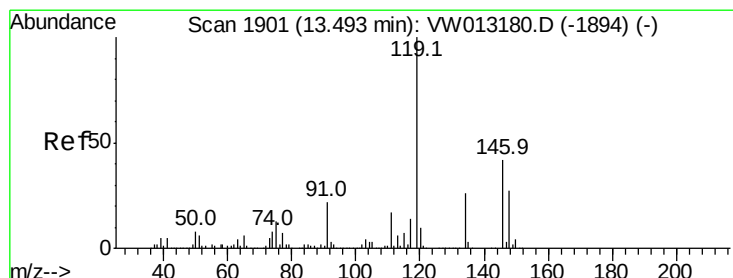
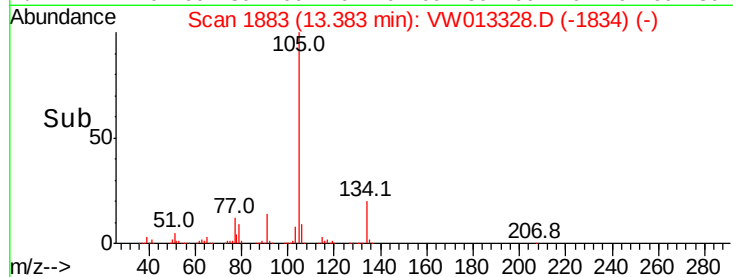
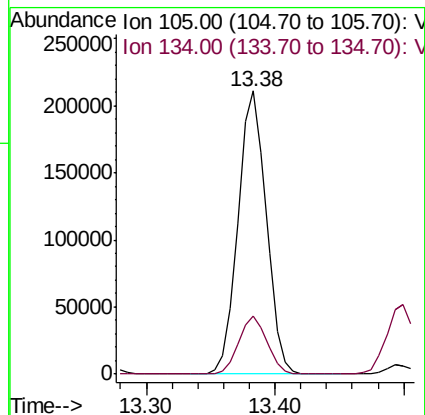
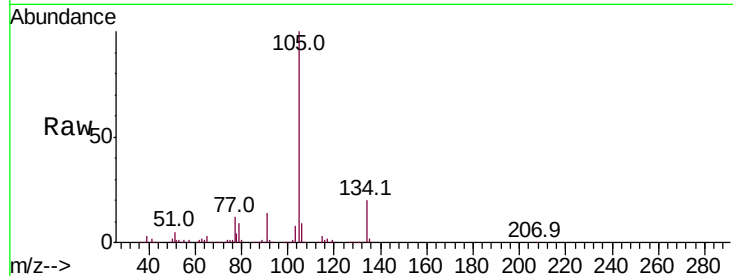
ClientSampled :

Tot Ion:105 Resp: 320832

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 19.807 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

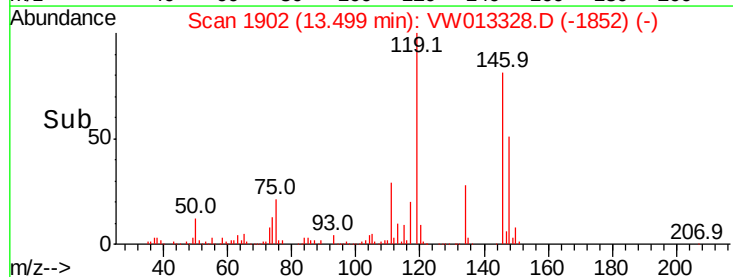
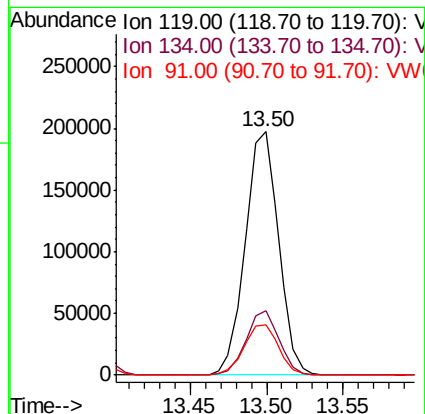
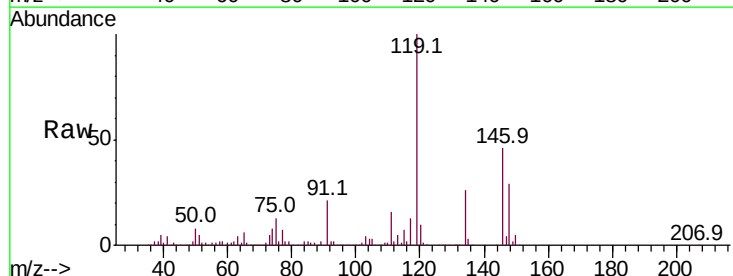
Tgt Ion:119 Resp: 297375

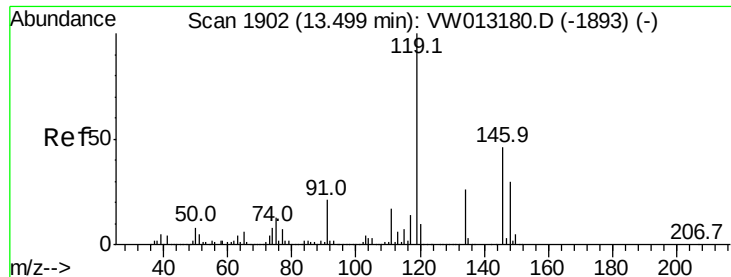
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.4 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 20.167 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013328.D

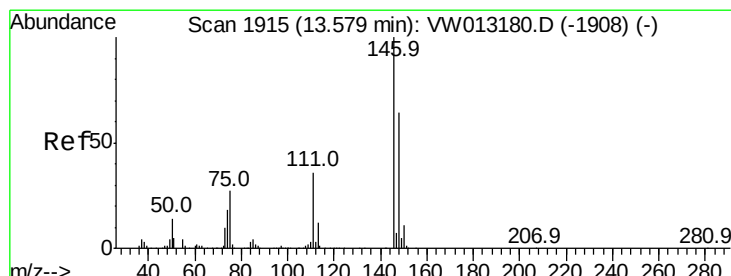
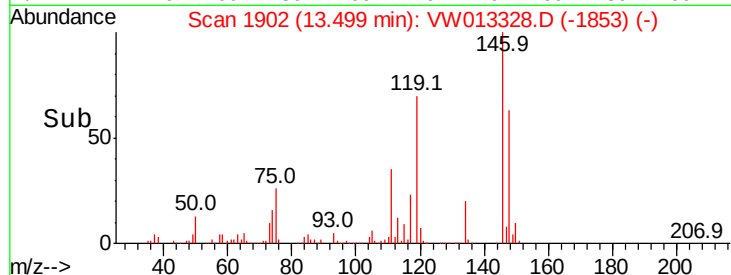
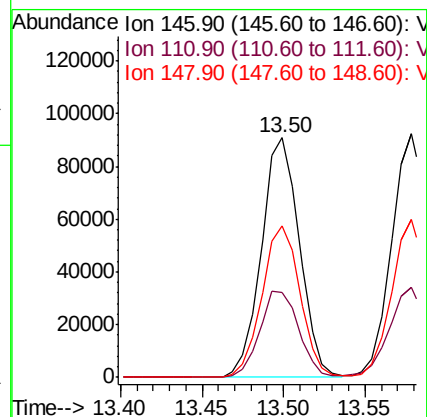
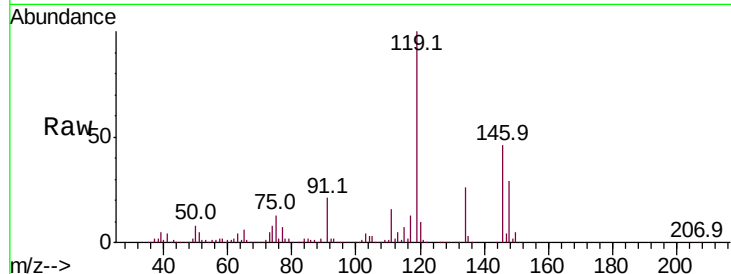
Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	146361
Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	63.5	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.533 ug/l

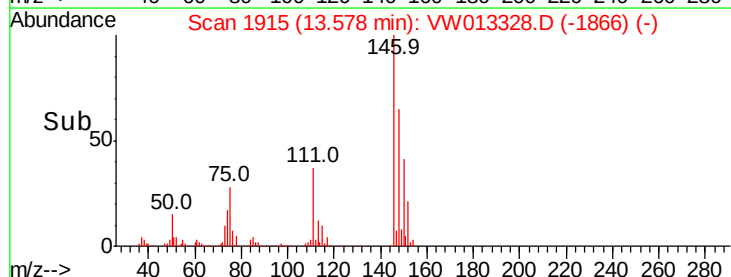
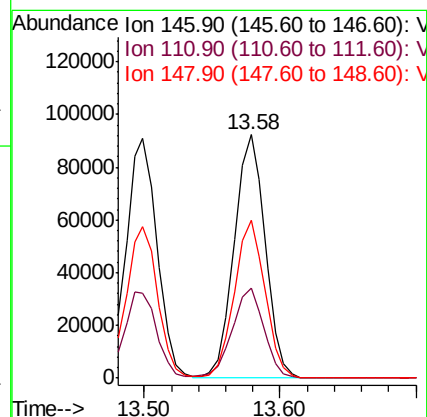
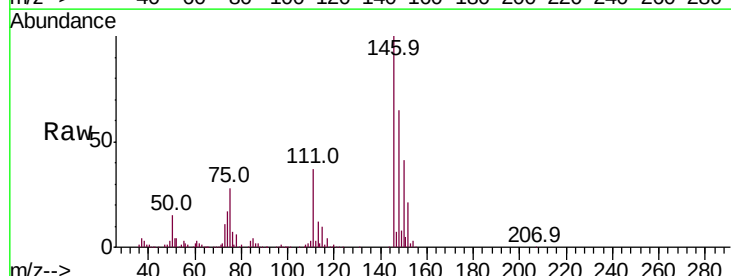
RT: 13.58 min Scan# 1915

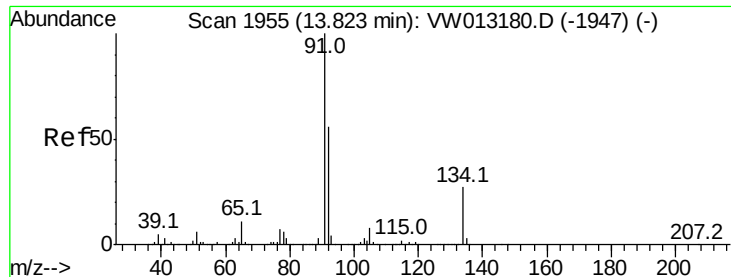
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	146	Resp:	146145
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.4	55.0
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 19.939 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

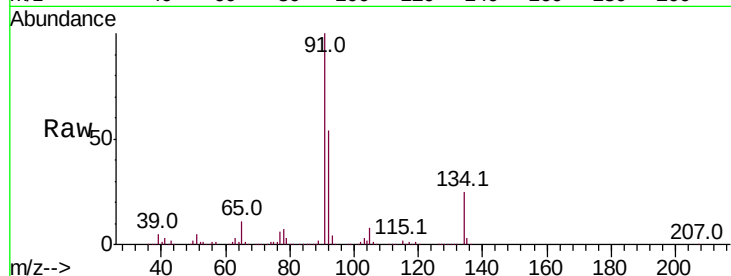
Tot Ion: 91 Resp: 273335

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.8

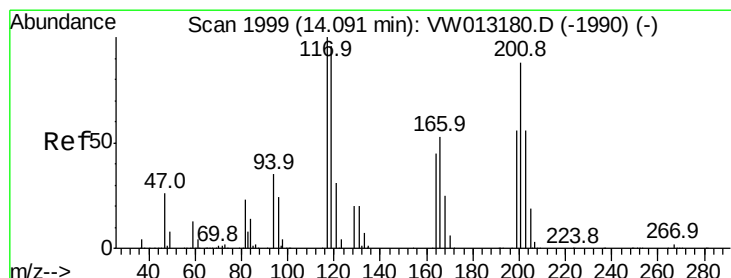
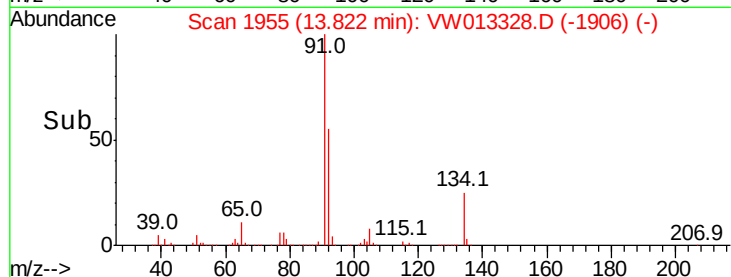
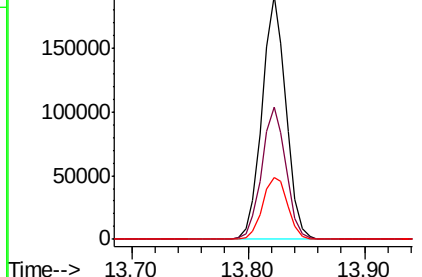
134 27.0 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.235 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013328.D

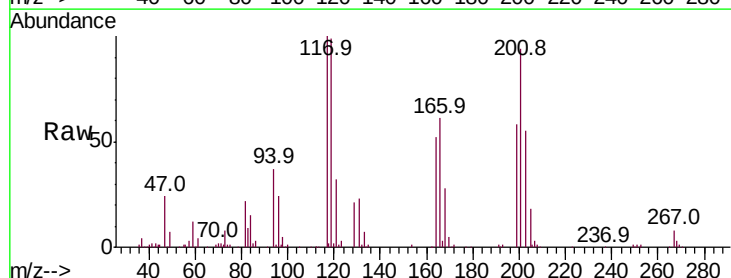
Acq: 30 Sep 2019 13:08

Tgt Ion: 117 Resp: 51036

Ion Ratio Lower Upper

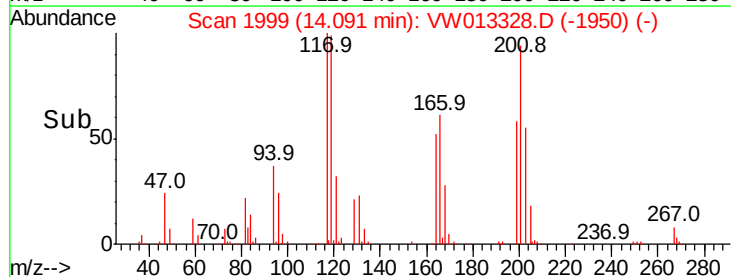
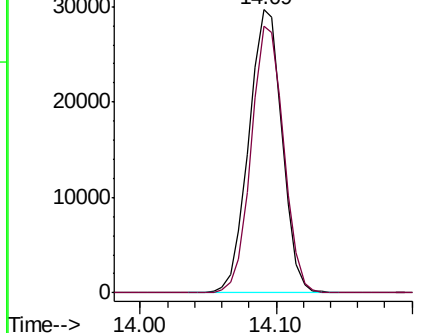
117 100

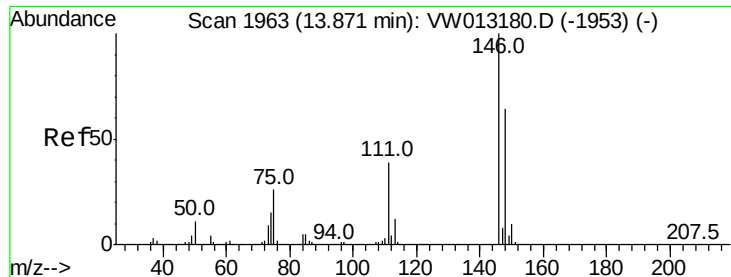
201 91.6 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

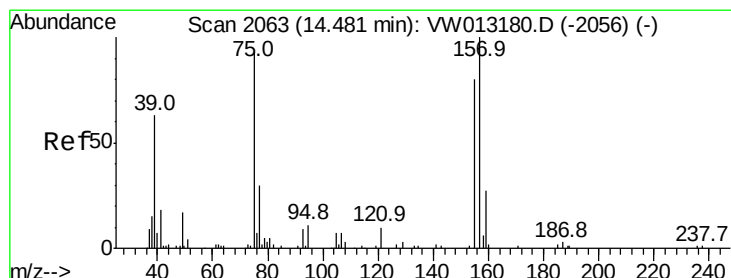
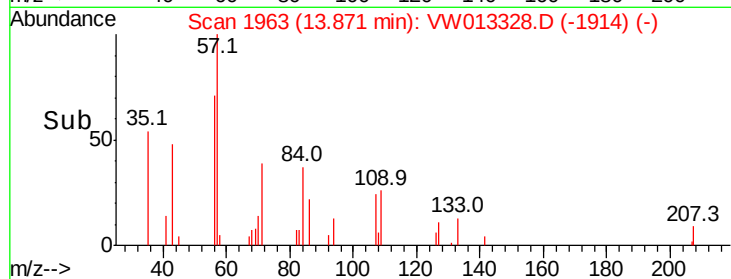
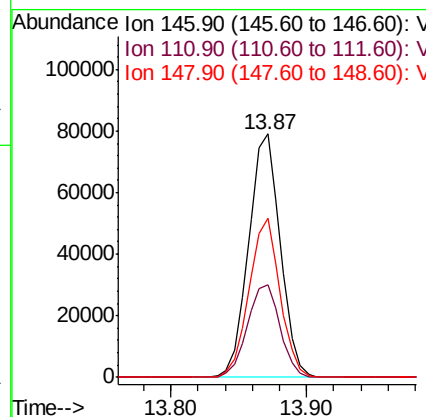
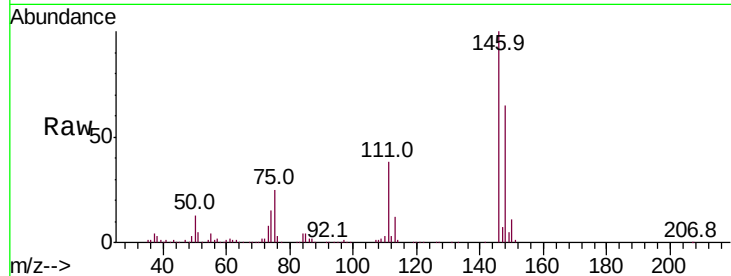




#91
 1,2-Dichlorobenzene
 Concen: 20.533 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

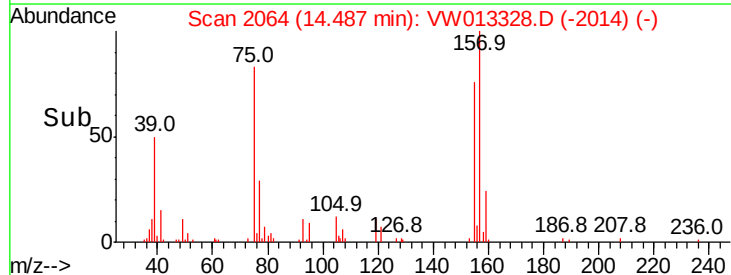
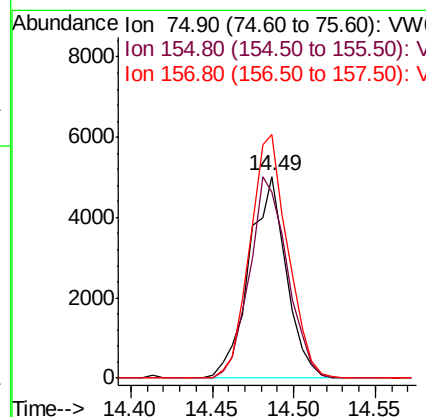
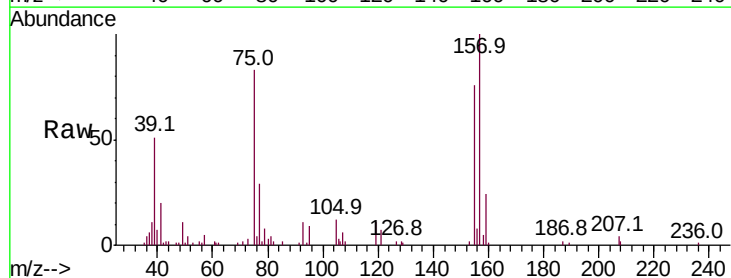
Instrument :
 MSVOA_W
 ClientSampleId :

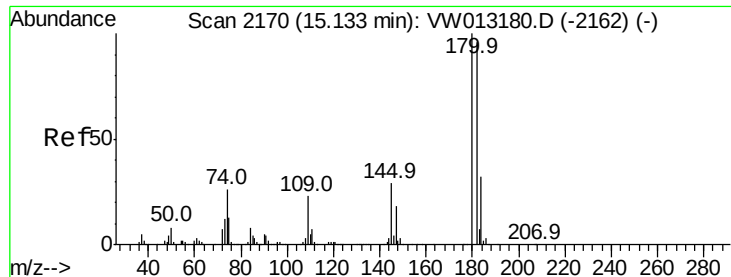
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.560 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	46.1	138.3
157	123.4	60.4	181.2

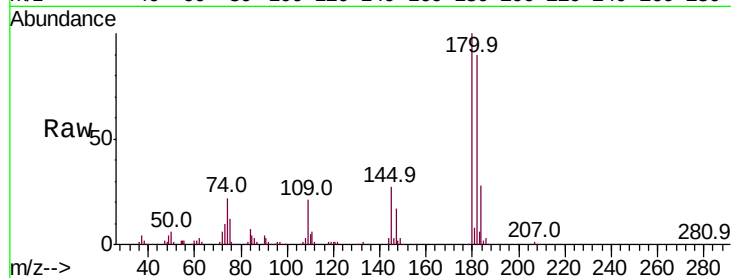




#93
 1,2,4-Trichlorobenzene
 Concen: 20.537 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	27.5	14.2	42.8

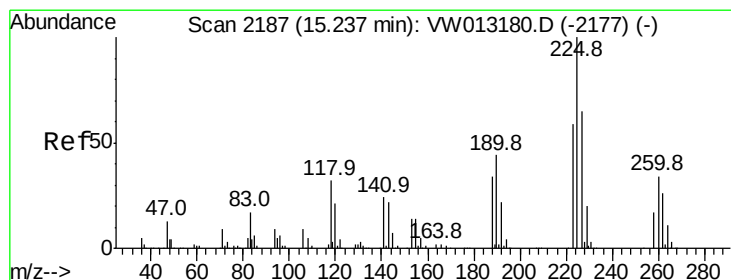
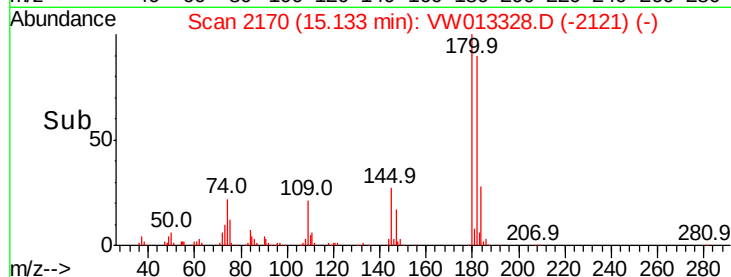
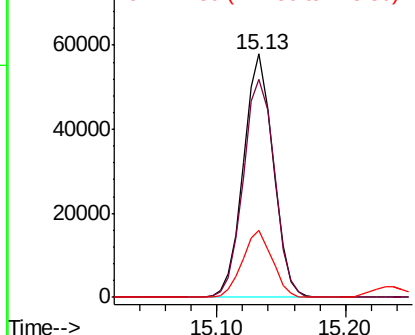


Abundance

Ion 179.80 (179.50 to 180.50): V

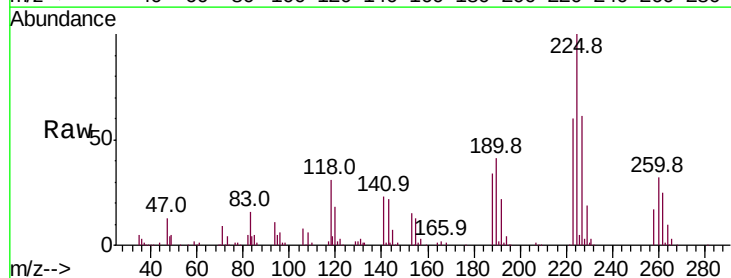
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.868 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.6	91.8
227	64.2	31.9	95.9

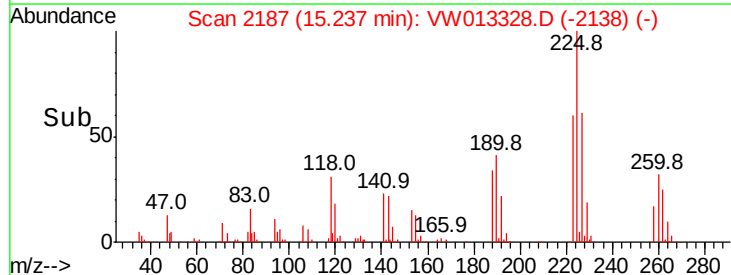
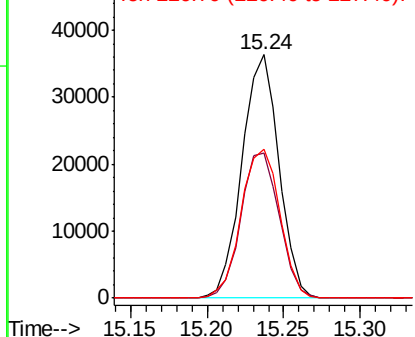


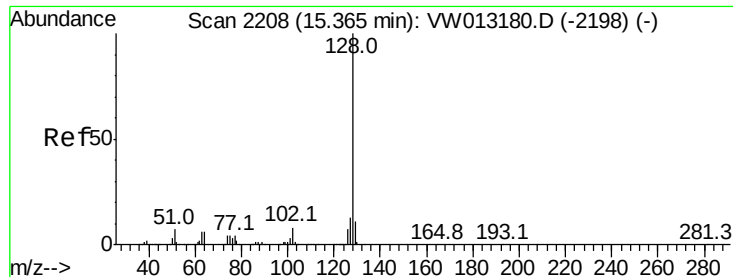
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

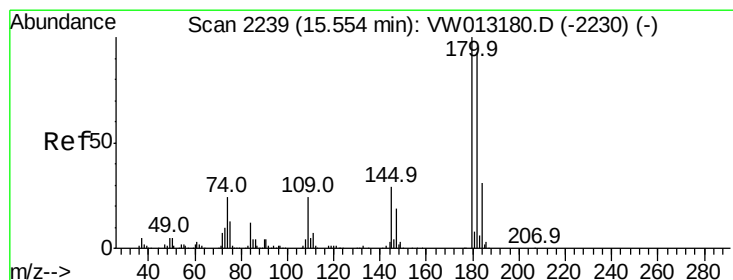
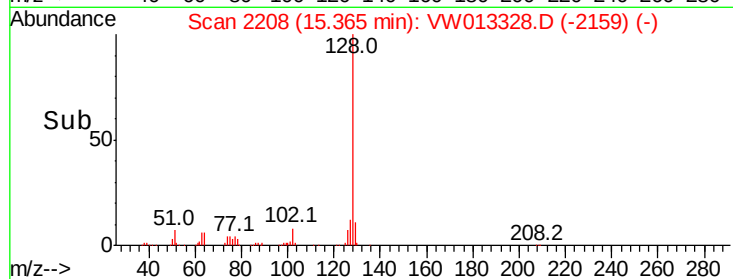
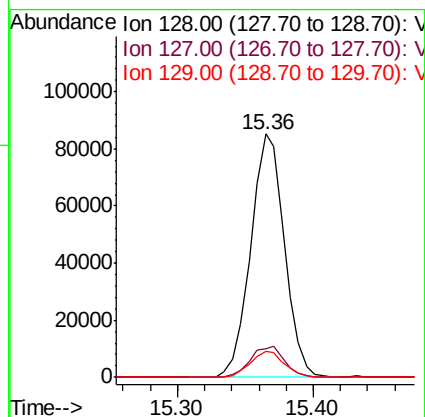
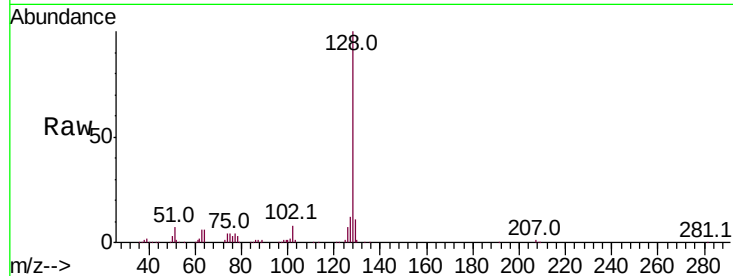




#95
Naphthalene
Concen: 20.135 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.673 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.7
145	29.6	15.0	45.0

