

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013325.D
 Acq On : 30 Sep 2019 10:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:27:37 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	367742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	225941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148265	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.88	113	153356	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.32	98	647322	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.62	95	219109	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	91988	43.365	ug/l	98
3) Chloromethane	2.21	50	118103	43.311	ug/l	99
4) Vinyl Chloride	2.36	62	169090	48.099	ug/l	99
5) Bromomethane	2.78	94	107216	48.126	ug/l	91
6) Chloroethane	2.92	64	99278	47.910	ug/l	99
7) Trichlorofluoromethane	3.25	101	97910	48.301	ug/l	94
8) Diethyl Ether	3.68	74	85477	49.367	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	166870	50.563	ug/l	99
10) Methyl Iodide	4.27	142	258885	50.596	ug/l	99
11) Tert butyl alcohol	5.19	59	50691	233.975	ug/l	97
12) 1,1-Dichloroethene	4.03	96	173233	50.690	ug/l	100
13) Acrolein	3.90	56	38763	224.360	ug/l	97
14) Allyl chloride	4.67	41	279086	51.313	ug/l	99
15) Acrylonitrile	5.37	53	173596	232.288	ug/l	100
16) Acetone	4.14	43	188156	277.996	ug/l	95
17) Carbon Disulfide	4.38	76	509251	51.555	ug/l	99
18) Methyl Acetate	4.67	43	82603	43.417	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	251552	48.027	ug/l	100
20) Methylene Chloride	4.91	84	178236	51.583	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	185987	50.353	ug/l	98
22) Diisopropyl ether	6.31	45	514134	49.710	ug/l	98
23) Vinyl Acetate	6.25	43	1503971	245.114	ug/l	100
24) 1,1-Dichloroethane	6.21	63	314815	50.443	ug/l	99
25) 2-Butanone	7.17	43	237215	233.472	ug/l	99
26) 2,2-Dichloropropane	7.16	77	201134	54.138	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	198063	50.811	ug/l	99
28) Bromochloromethane	7.51	49	122957	51.332	ug/l #	96
29) Tetrahydrofuran	7.53	42	140845	226.039	ug/l	100
30) Chloroform	7.67	83	297478	48.685	ug/l	98
31) Cyclohexane	7.95	56	316821	48.699	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	253516	51.228	ug/l	99
36) 1,1-Dichloropropene	8.08	75	261440	52.093	ug/l	99
37) Ethyl Acetate	7.25	43	100797	47.256	ug/l	97
38) Carbon Tetrachloride	8.07	117	237307	52.747	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013325.D
 Acq On : 30 Sep 2019 10:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:27:37 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	341178	52.899	ug/l	98
40) Benzene	8.32	78	726320	51.884	ug/l	98
41) Methacrylonitrile	7.48	41	59269	46.557	ug/l	96
42) 1,2-Dichloroethane	8.40	62	181561	48.247	ug/l	98
43) Isopropyl Acetate	8.42	43	194026	47.462	ug/l	99
44) Trichloroethene	9.09	130	204954	52.182	ug/l	100
45) 1,2-Dichloropropane	9.37	63	175229	51.271	ug/l	98
46) Dibromomethane	9.46	93	83669	50.425	ug/l	99
47) Bromodichloromethane	9.64	83	219838	52.068	ug/l	99
48) Methyl methacrylate	9.43	41	97083	50.504	ug/l	94
49) 1,4-Dioxane	9.46	88	23812	956.037	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	481512	234.950	ug/l	99
52) Toluene	10.38	92	468991	52.274	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	229592	52.928	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	279753	53.042	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	124055	50.020	ug/l	98
56) Ethyl methacrylate	10.65	69	165668	51.041	ug/l	97
57) 1,3-Dichloropropane	10.93	76	215505	49.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380591	253.286	ug/l	100
59) 2-Hexanone	10.97	43	358692	254.392	ug/l	100
60) Dibromochloromethane	11.13	129	150041	53.279	ug/l	100
61) 1,2-Dibromoethane	11.23	107	117116	49.666	ug/l	98
64) Tetrachloroethene	10.86	164	178781	52.808	ug/l	98
65) Chlorobenzene	11.66	112	484758	52.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	170428	53.540	ug/l	99
67) Ethyl Benzene	11.73	91	892612	52.872	ug/l	100
68) m/p-Xylenes	11.83	106	689681	107.205	ug/l	99
69) o-Xylene	12.16	106	315021	52.669	ug/l	98
70) Styrene	12.18	104	546580	53.229	ug/l	99
71) Bromoform	12.35	173	89156	53.016	ug/l #	98
73) Isopropylbenzene	12.46	105	884887	53.017	ug/l	100
74) N-amyl acetate	12.27	43	180123	48.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133528	47.836	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	174245	87.325	ug/l #	100
77) Bromobenzene	12.74	156	206590	52.233	ug/l	99
78) n-propylbenzene	12.80	91	1039545	53.210	ug/l	100
79) 2-Chlorotoluene	12.89	91	575492	52.580	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	738774	52.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46541	52.338	ug/l	94
82) 4-Chlorotoluene	12.99	91	600016	51.985	ug/l	99
83) tert-Butylbenzene	13.21	119	661099	53.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	731859	52.421	ug/l	99
85) sec-Butylbenzene	13.38	105	908656	53.521	ug/l	99
86) p-Isopropyltoluene	13.50	119	843133	53.543	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	398901	52.404	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	393329	52.687	ug/l	100
89) n-Butylbenzene	13.82	91	776934	54.034	ug/l	100
90) Hexachloroethane	14.09	117	145829	55.127	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	342886	52.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19755	46.270	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
Data File : VW013325.D
Acq On : 30 Sep 2019 10:50
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 30 17:27:37 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

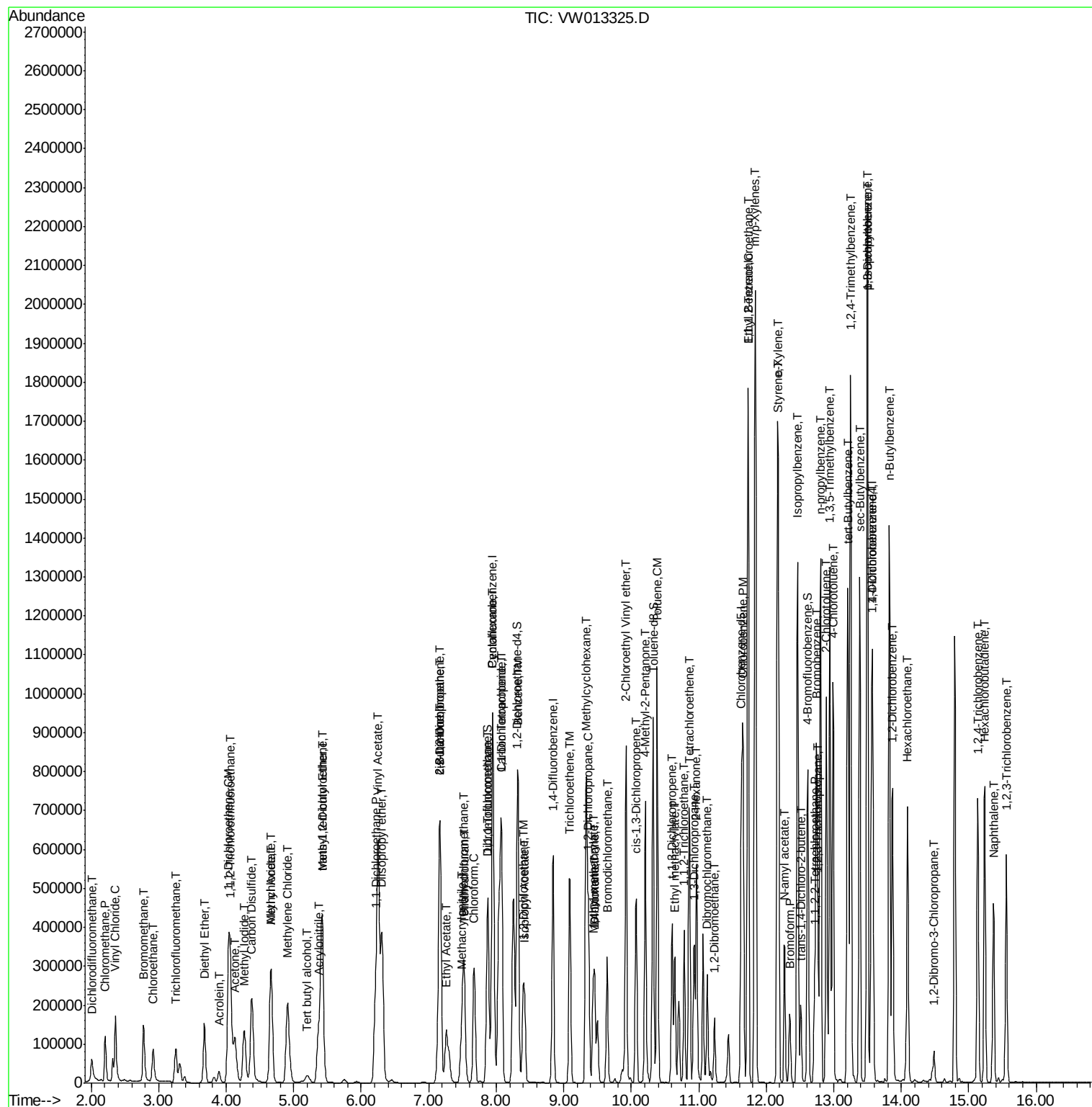
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	258461	54.771	ug/l	99
94) Hexachlorobutadiene	15.24	225	170989	52.964	ug/l	98
95) Naphthalene	15.36	128	414869	53.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	220360	54.043	ug/l	100

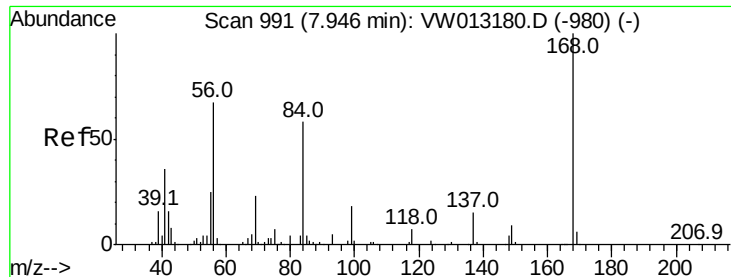
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013325.D
 Acq On : 30 Sep 2019 10:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:27:37 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

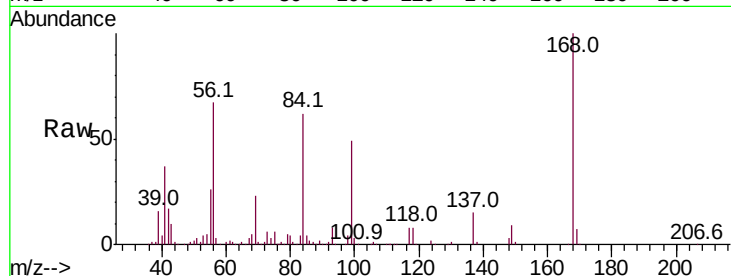
ClientSampleId :

Tot Ion:168 Resp: 367742

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

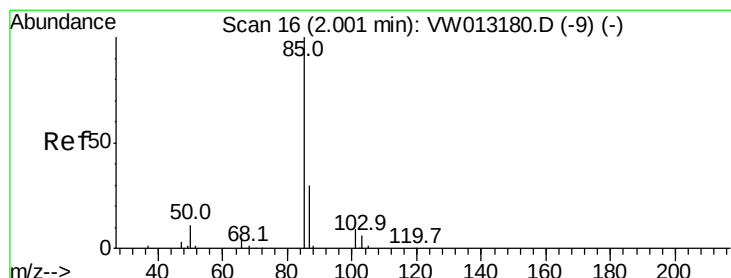
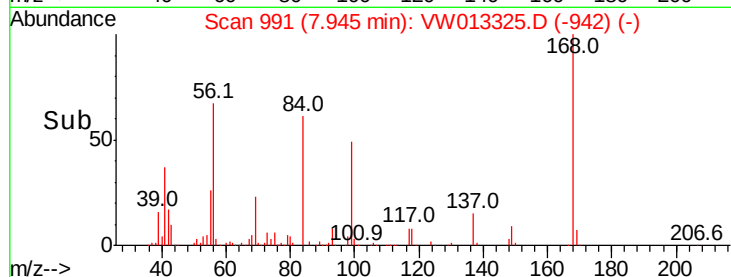
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 43.365 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013325.D

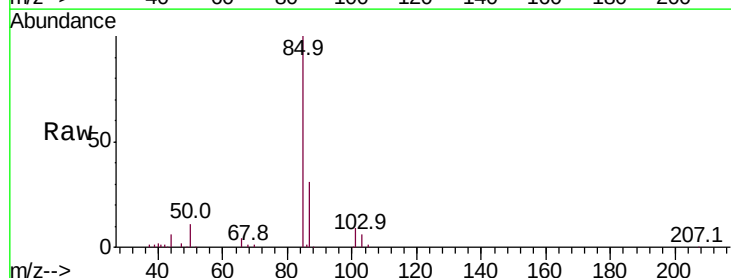
Acq: 30 Sep 2019 10:50

Tgt Ion: 85 Resp: 91988

Ion Ratio Lower Upper

85 100

87 31.3 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

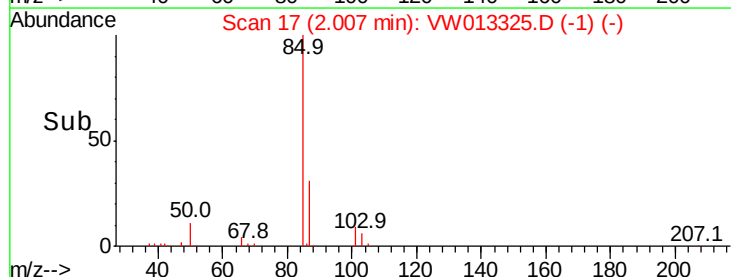
20000

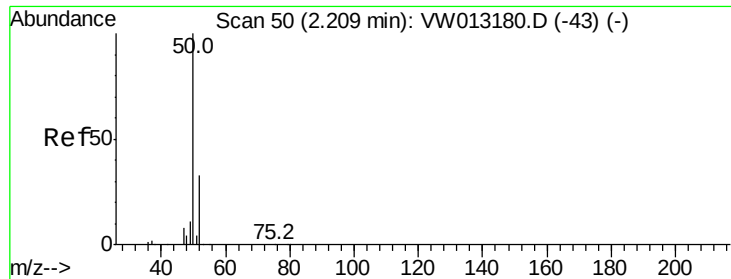
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 43.311 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

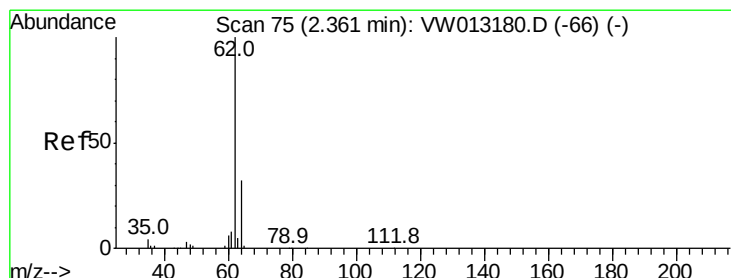
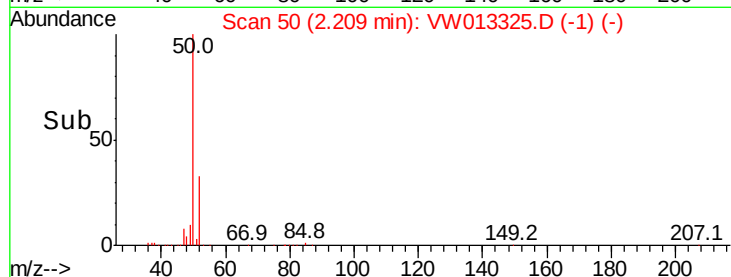
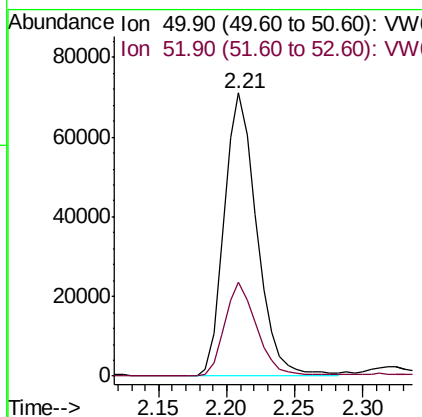
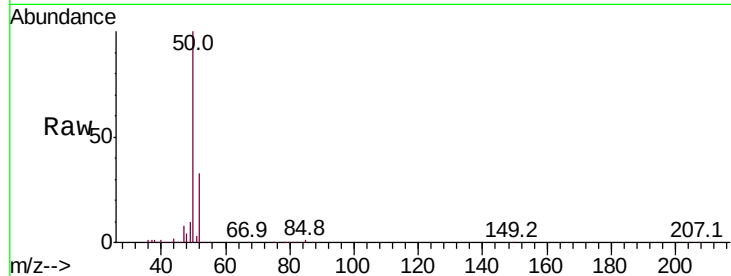
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 118103

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#4

Vinyl Chloride

Concen: 48.099 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013325.D

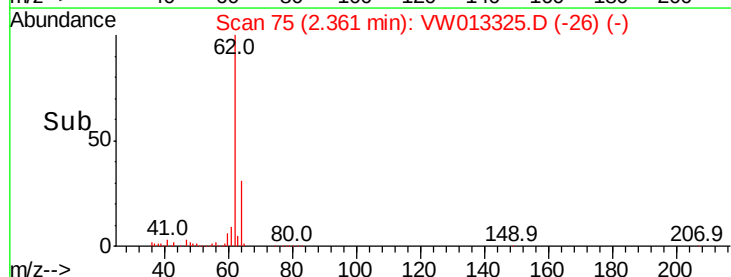
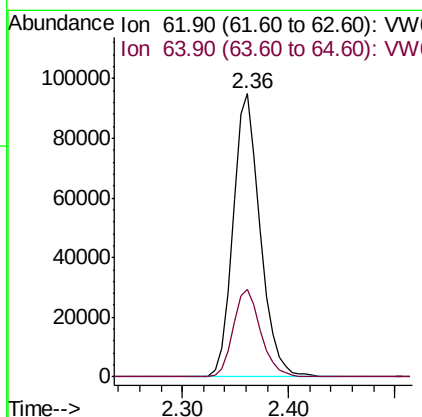
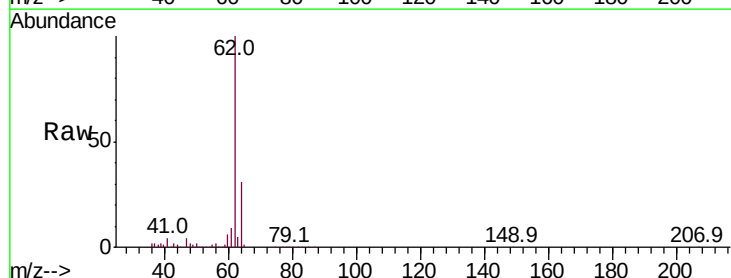
Acq: 30 Sep 2019 10:50

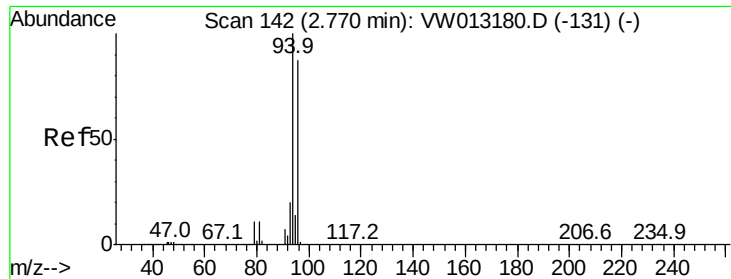
Tgt Ion: 62 Resp: 169090

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 48.126 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

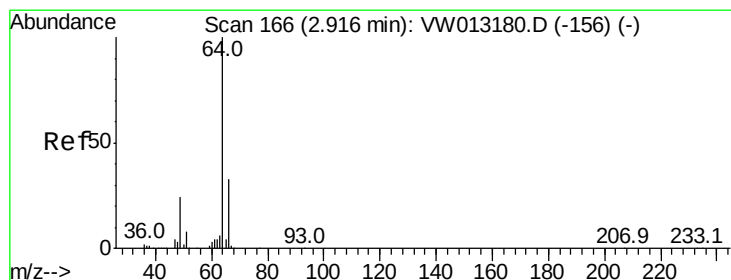
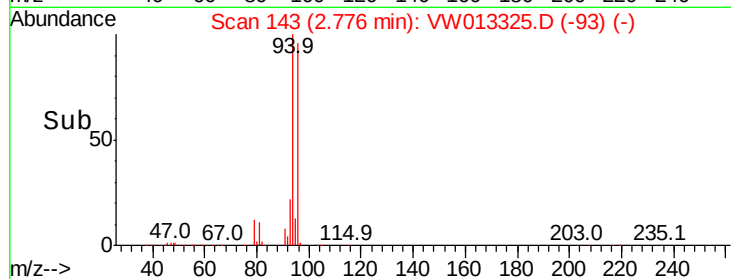
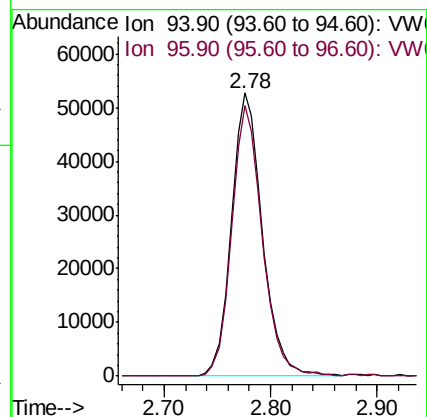
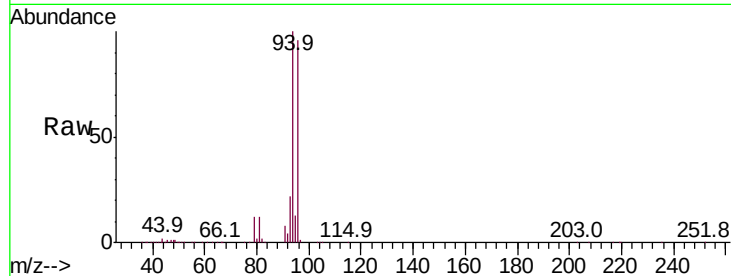
ClientSampleId :

Tot Ion: 94 Resp: 107216

Ion Ratio Lower Upper

94 100

96 95.7 69.7 104.5



#6

Chloroethane

Concen: 47.910 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013325.D

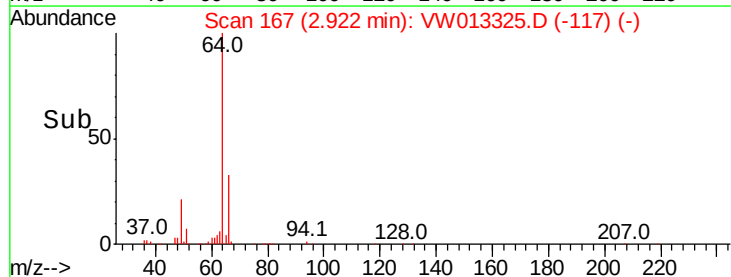
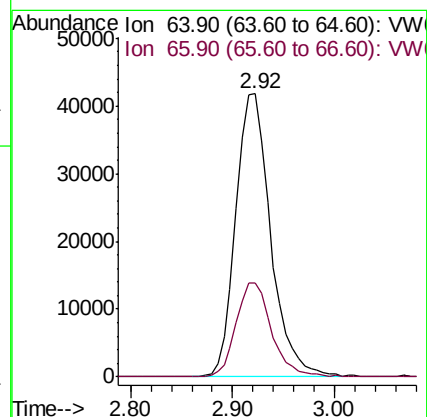
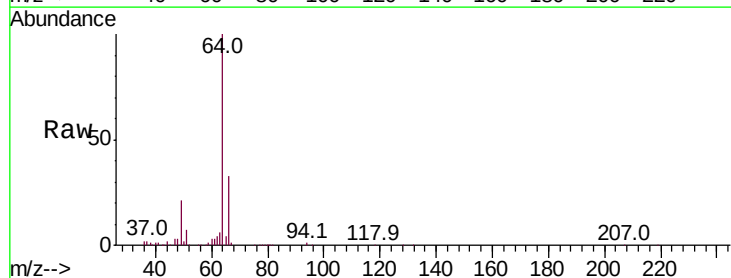
Acq: 30 Sep 2019 10:50

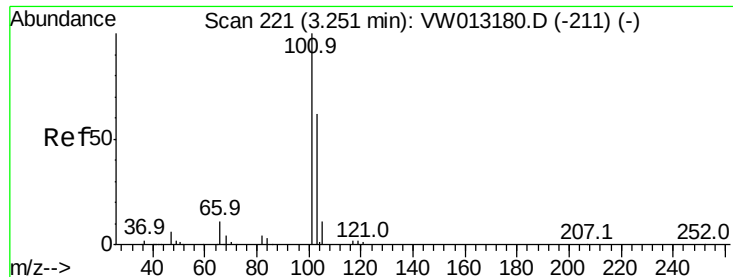
Tgt Ion: 64 Resp: 99278

Ion Ratio Lower Upper

64 100

66 32.9 26.6 39.8



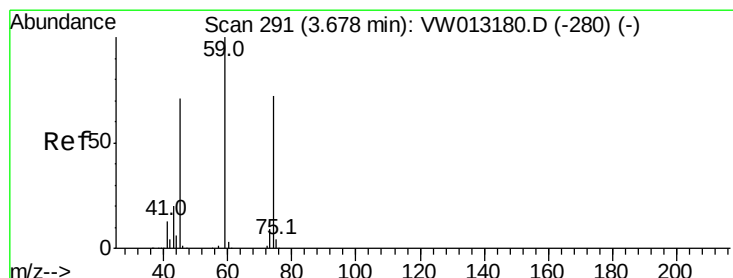
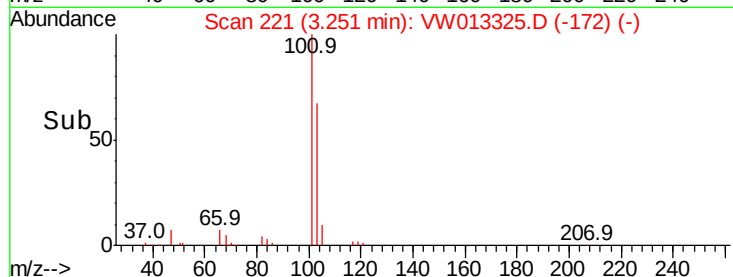
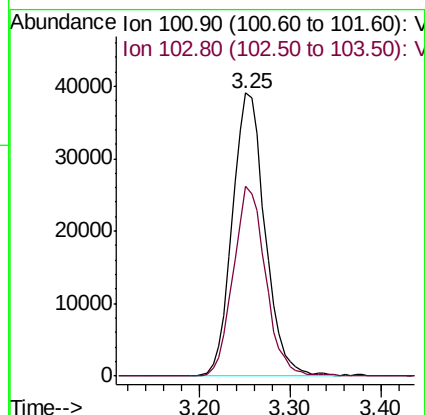
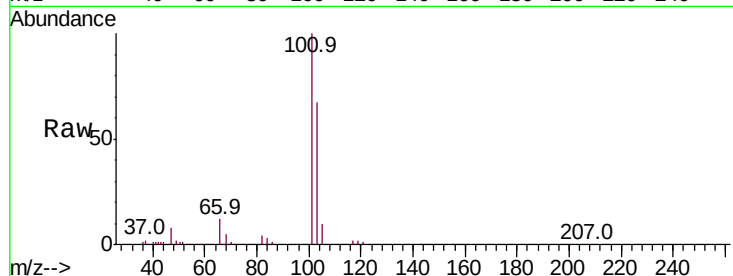


#7

Trichlorofluoromethane
 Concen: 48.301 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampled :

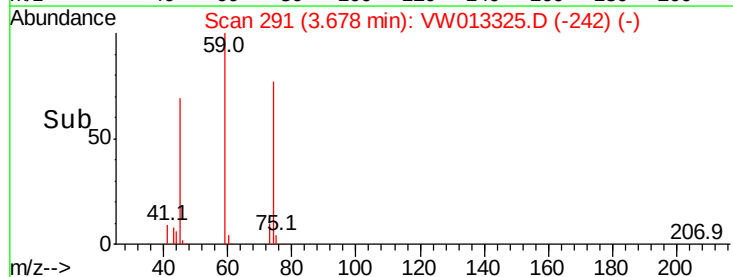
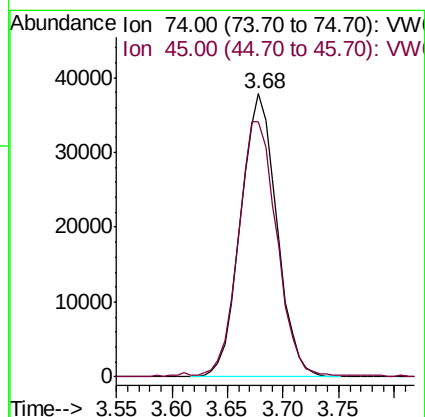
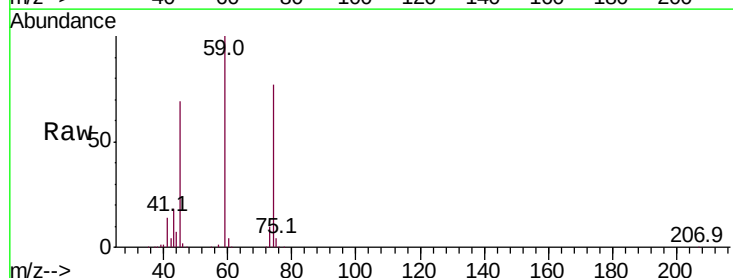
Tot Ion:101 Resp: 97910
 Ion Ratio Lower Upper
 101 100
 103 67.0 49.7 74.5

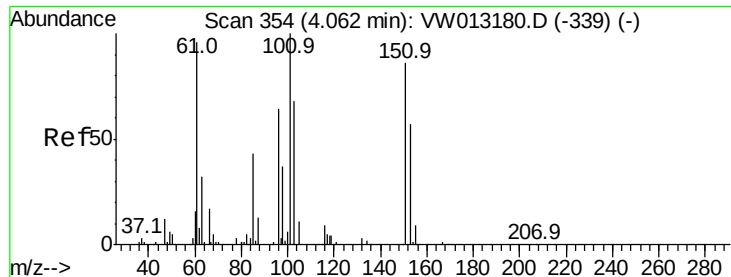


#8

Diethyl Ether
 Concen: 49.367 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 74 Resp: 85477
 Ion Ratio Lower Upper
 74 100
 45 94.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.563 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

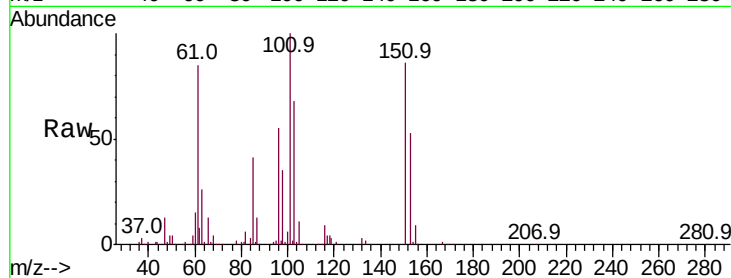
Tot Ion:101 Resp: 166870

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.0

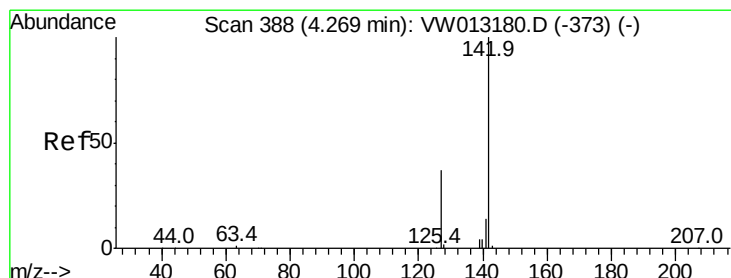
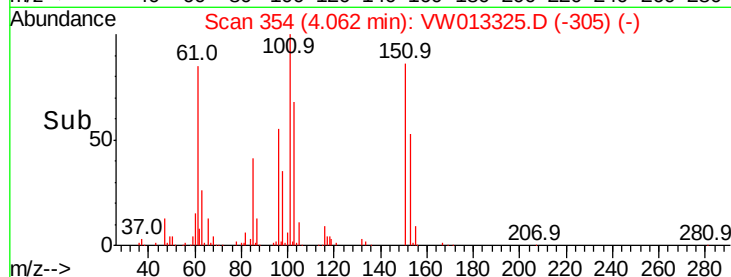
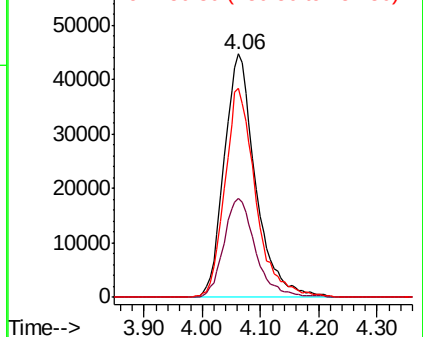
151 84.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.596 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

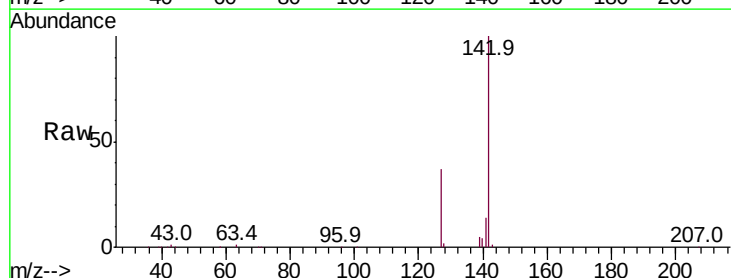
Tgt Ion:142 Resp: 258885

Ion Ratio Lower Upper

142 100

127 37.6 30.9 46.3

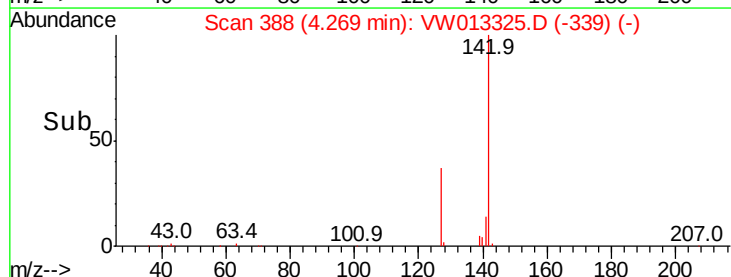
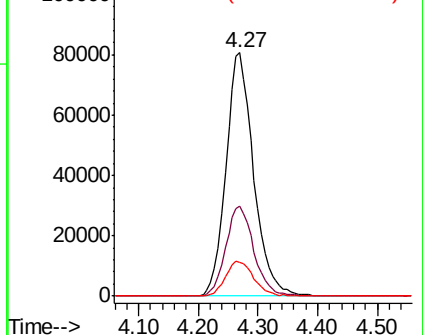
141 14.8 11.7 17.5

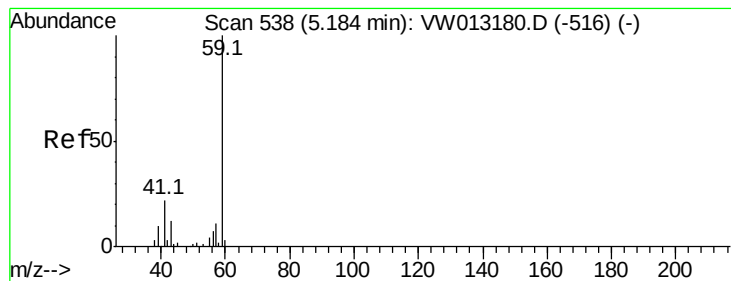


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



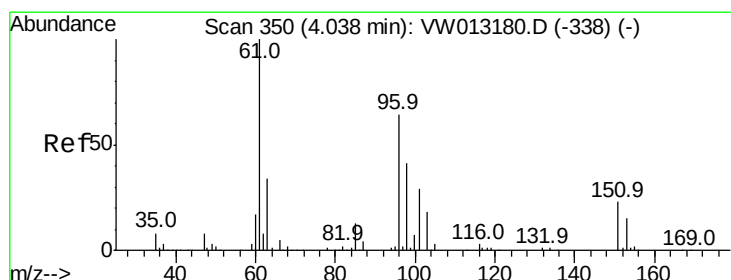
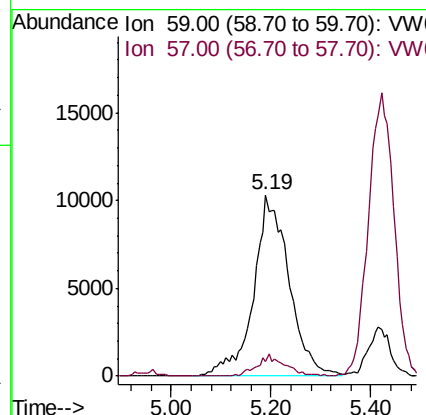
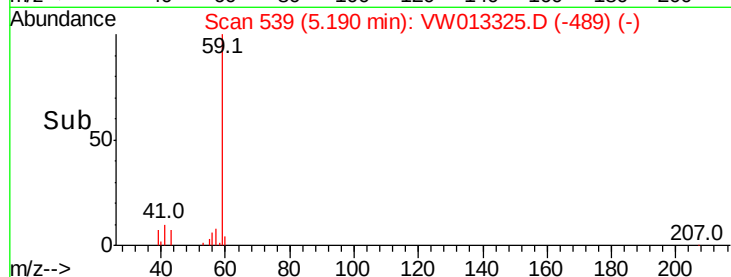
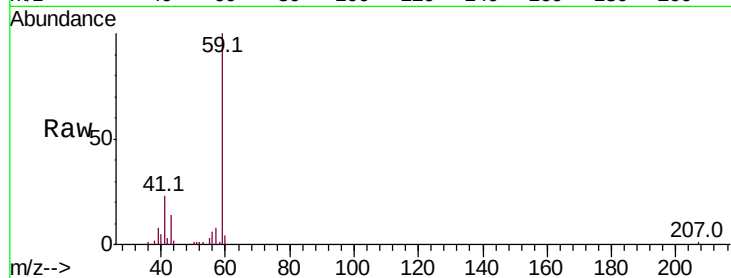


#11

Tert butyl alcohol
Concen: 233.975 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :

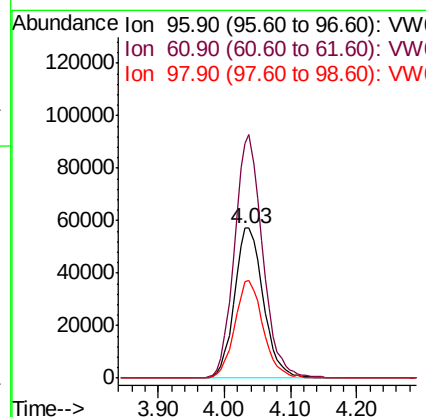
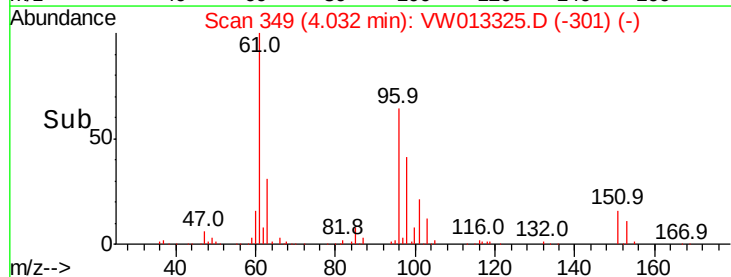
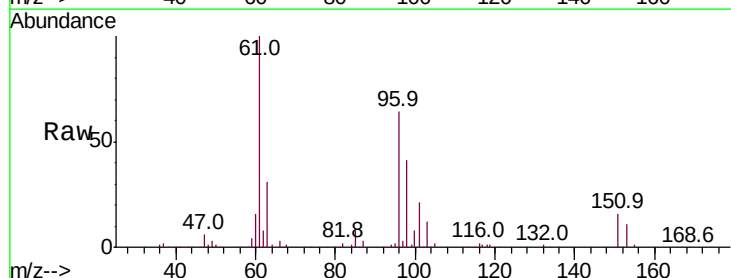
Tot Ion: 59 Resp: 50691
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.2

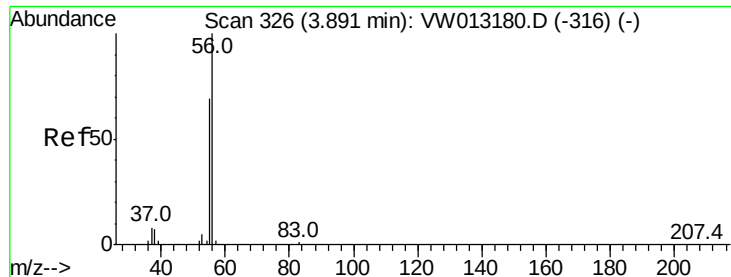


#12

1,1-Dichloroethene
Concen: 50.690 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 96 Resp: 173233
Ion Ratio Lower Upper
96 100
61 156.8 125.1 187.7
98 64.1 50.8 76.2

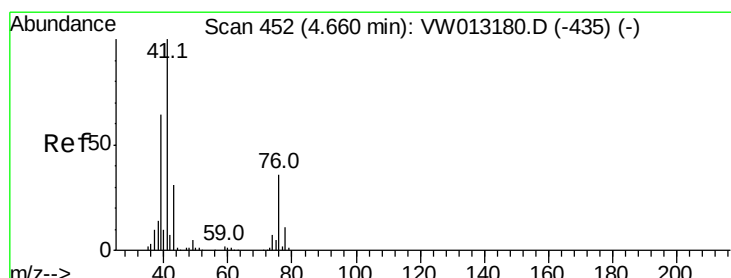
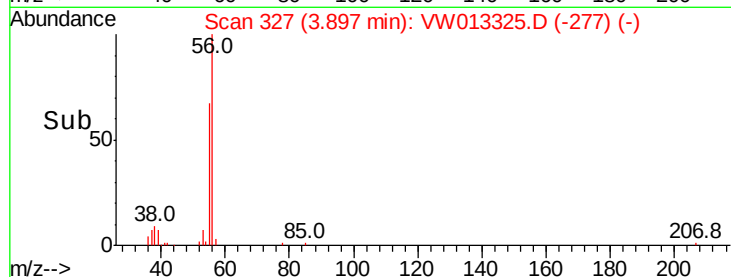
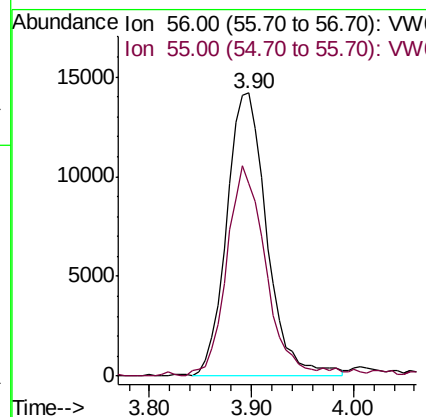
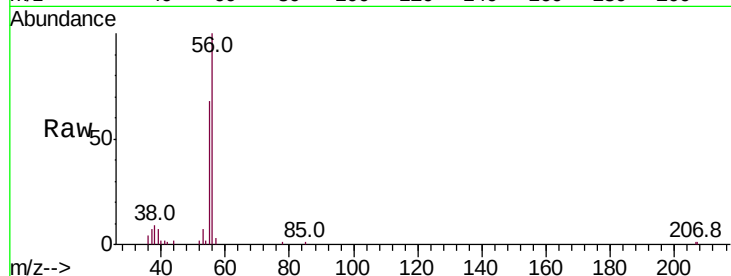




#13
Acrolein
Concen: 224.360 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

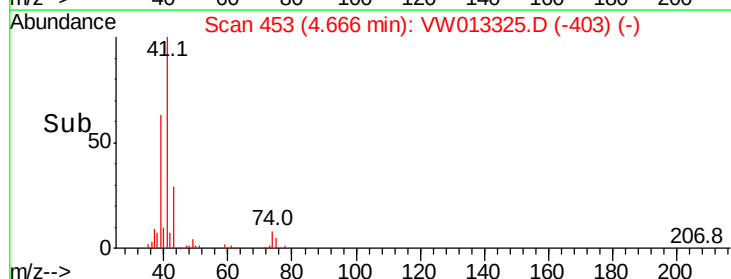
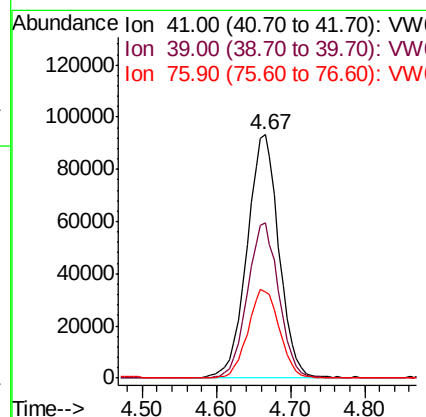
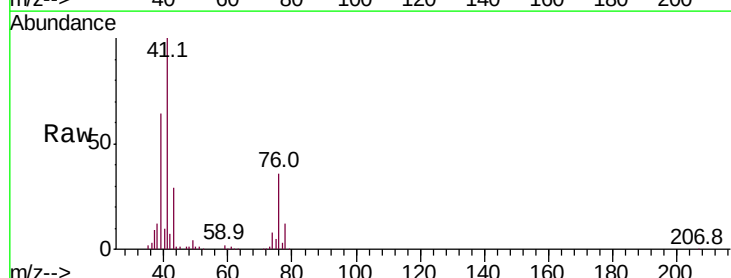
Instrument :
MSVOA_W
ClientSampleId :

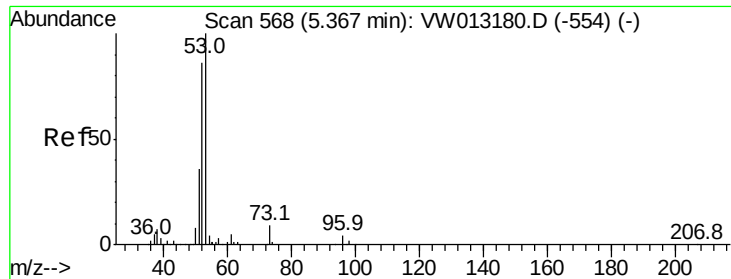
Tot Ion: 56 Resp: 38763
Ion Ratio Lower Upper
56 100
55 71.4 55.4 83.0



#14
Allyl chloride
Concen: 51.313 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 41 Resp: 279086
Ion Ratio Lower Upper
41 100
39 63.3 51.0 76.4
76 36.1 28.4 42.6





#15

Acrylonitrile

Concen: 232.288 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

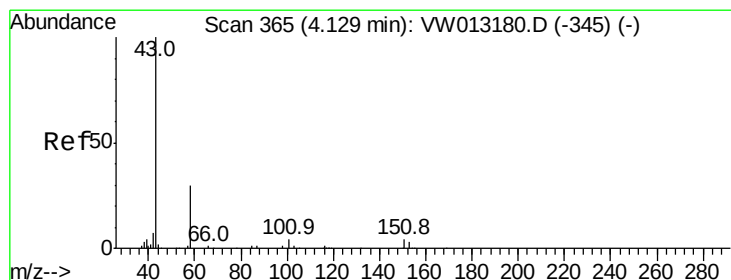
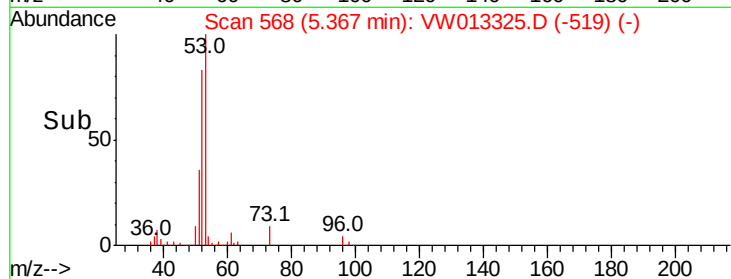
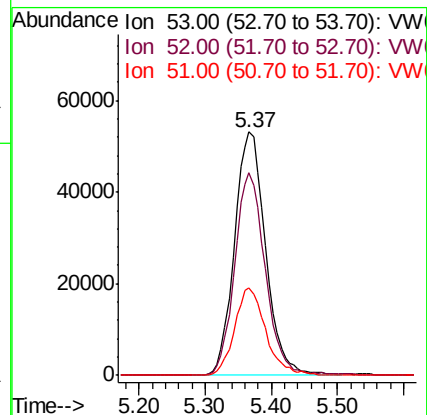
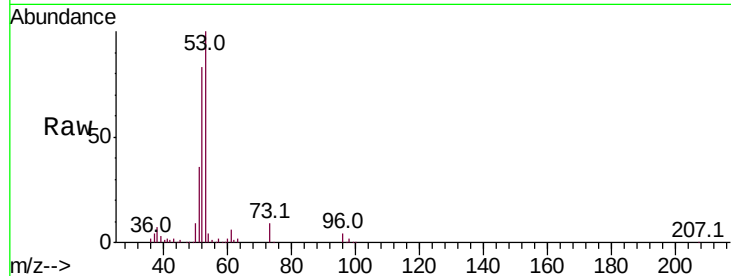
Tot Ion: 53 Resp: 173596

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

51 35.9 29.0 43.4



#16

Acetone

Concen: 277.996 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013325.D

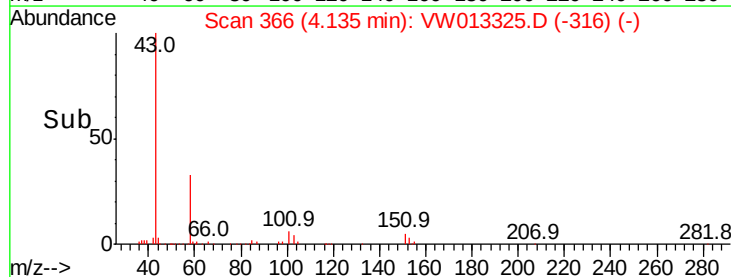
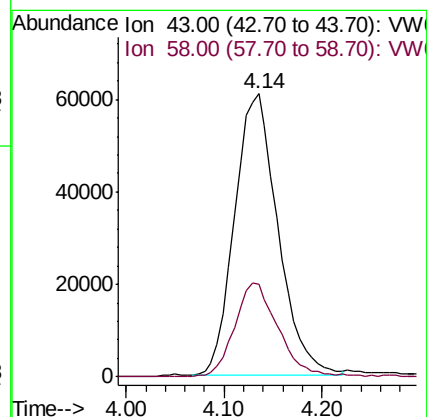
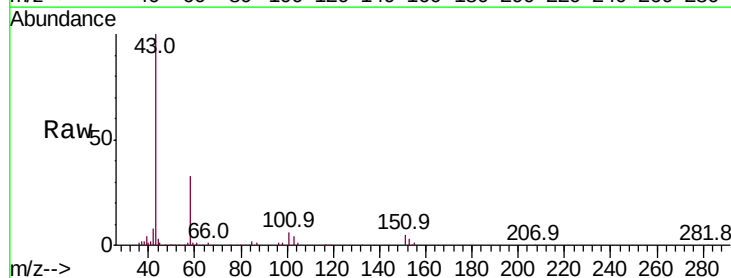
Acq: 30 Sep 2019 10:50

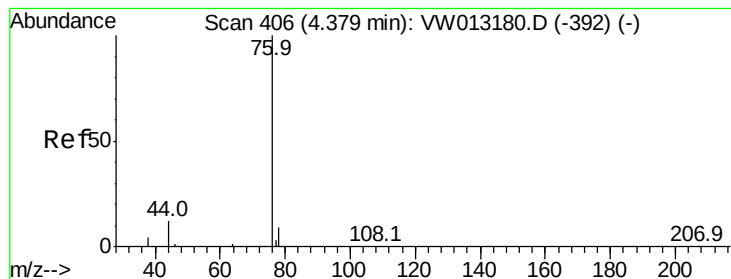
Tgt Ion: 43 Resp: 188156

Ion Ratio Lower Upper

43 100

58 32.6 24.1 36.1





#17

Carbon Disulfide

Concen: 51.555 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

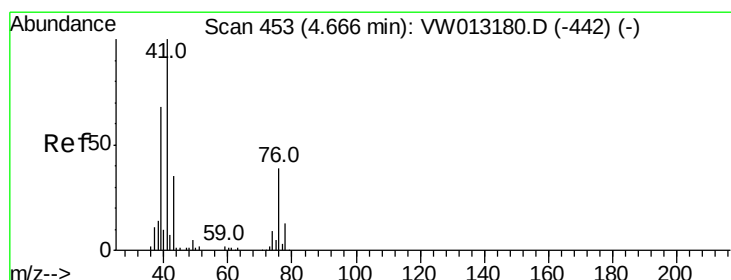
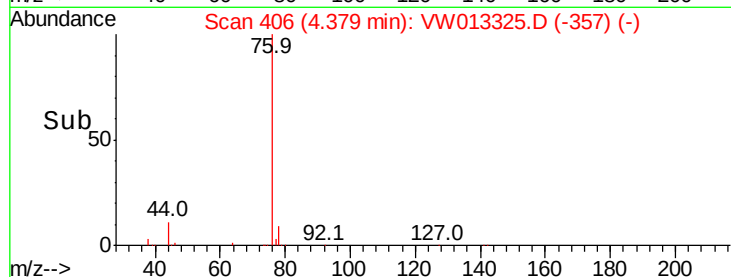
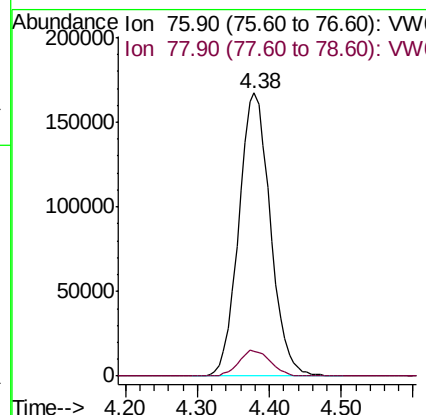
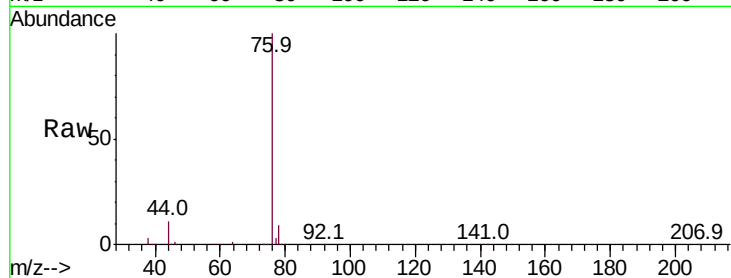
ClientSampleId :

Tot Ion: 76 Resp: 509251

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



#18

Methyl Acetate

Concen: 43.417 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013325.D

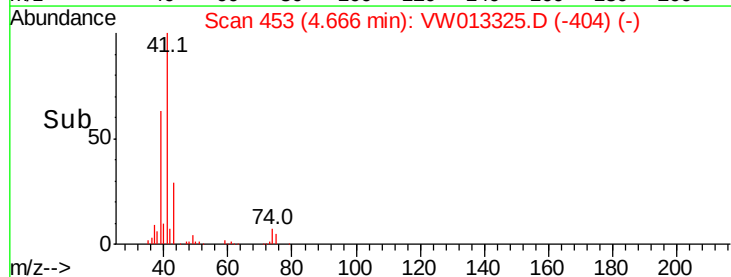
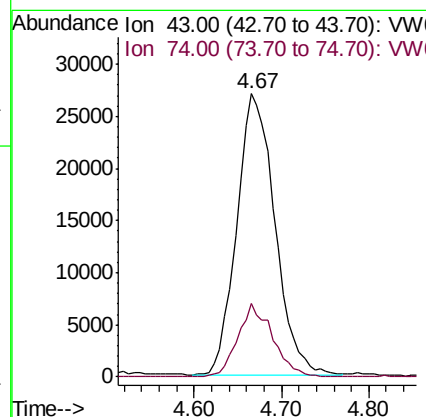
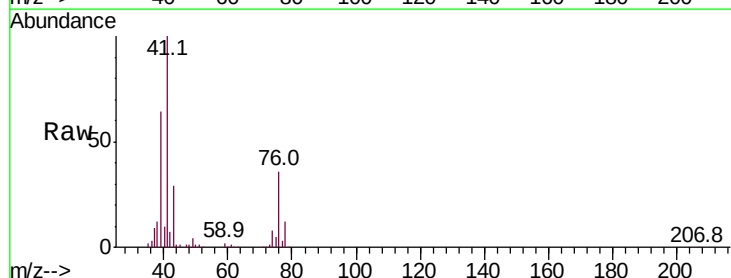
Acq: 30 Sep 2019 10:50

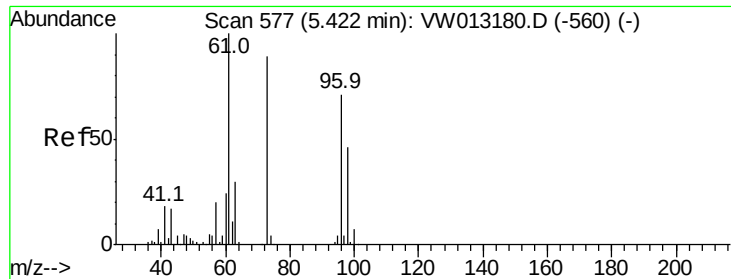
Tgt Ion: 43 Resp: 82603

Ion Ratio Lower Upper

43 100

74 23.6 19.3 28.9

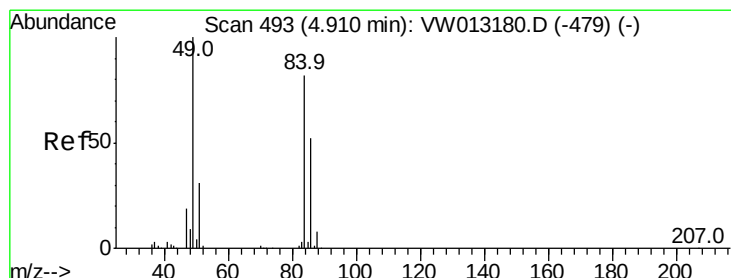
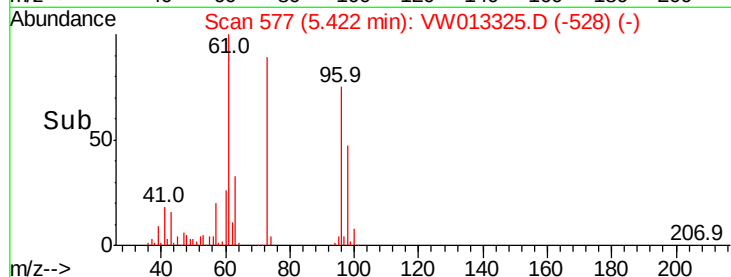
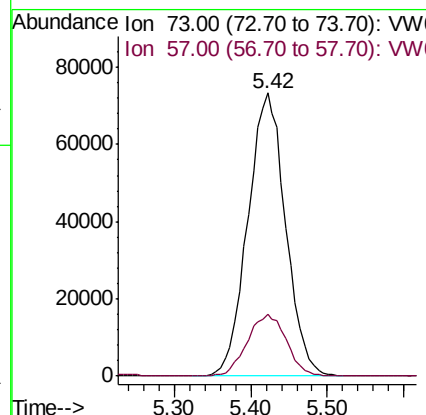
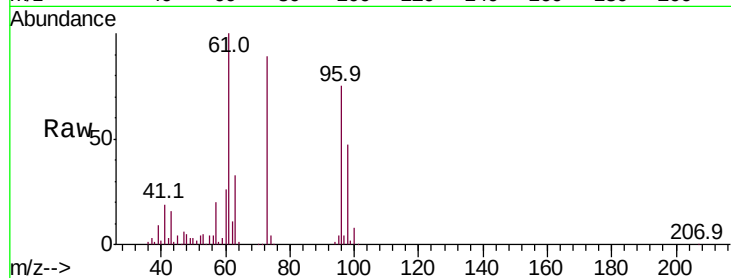




#19
Methyl tert-butyl Ether
Concen: 48.027 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

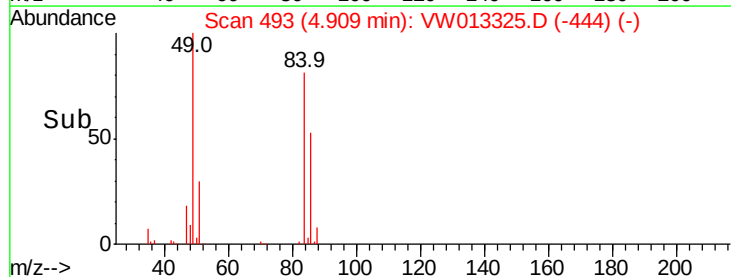
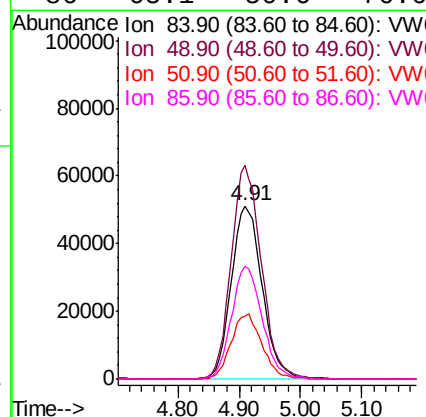
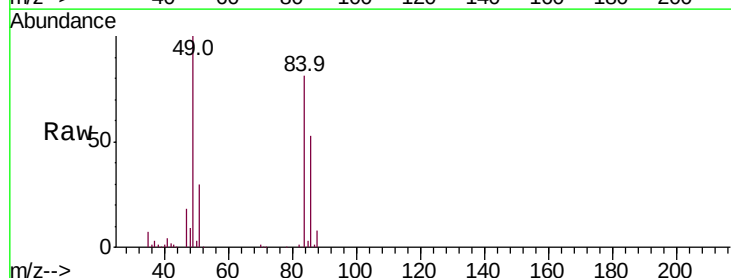
Instrument :
MSVOA_W
ClientSampled :

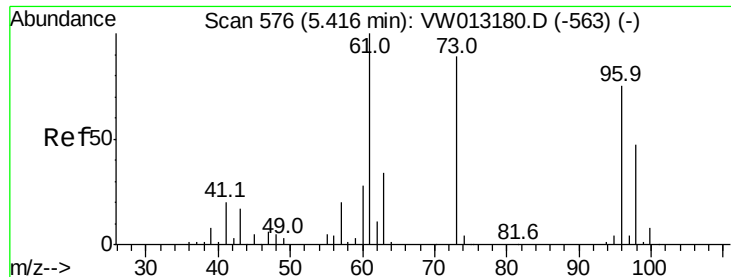
Tot Ion: 73 Resp: 251552
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 51.583 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 84 Resp: 178236
Ion Ratio Lower Upper
84 100
49 123.3 97.6 146.4
51 36.6 30.2 45.2
86 65.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 50.353 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

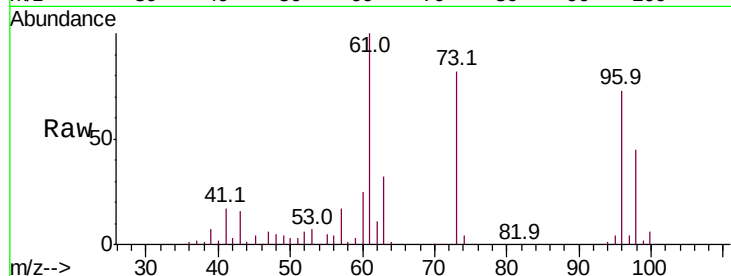
Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 185987

Ion	Ratio	Lower	Upper
96	100		
61	136.6	106.6	159.8
98	61.6	49.8	74.8

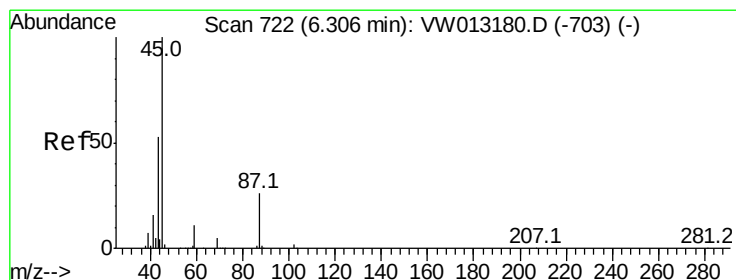
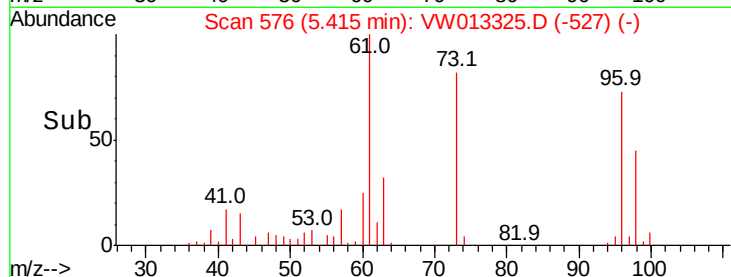
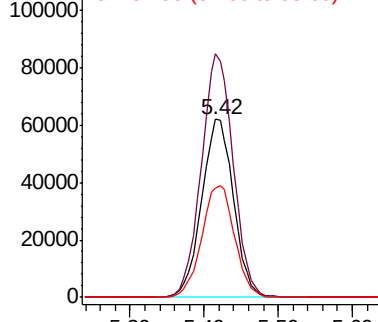


Abundance

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: 49.710 ug/l

RT: 6.31 min Scan# 722

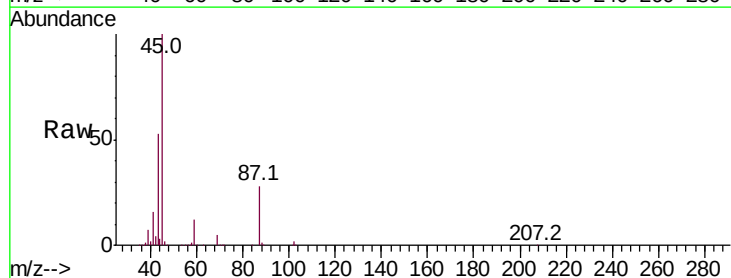
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion: 45 Resp: 514134

Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.4	63.6
87	27.9	20.4	30.6
59	11.5	8.8	13.2



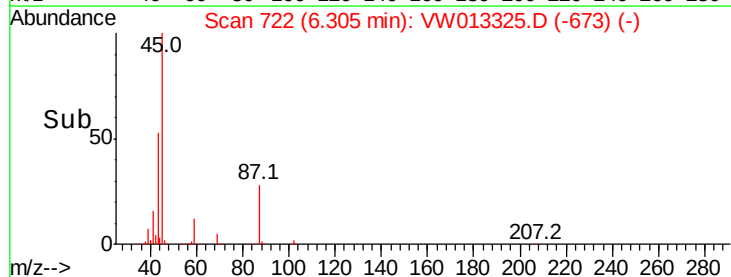
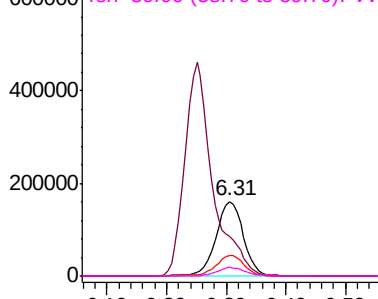
Abundance

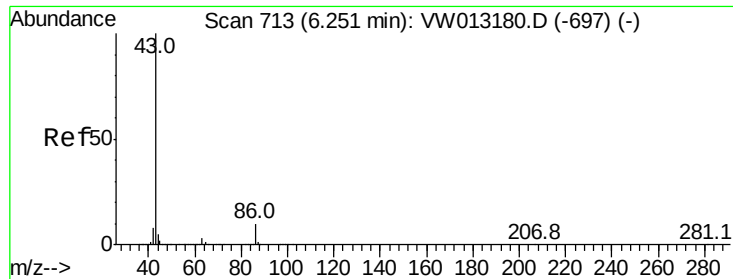
Ion 45.00 (44.70 to 45.70): VW

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: 245.114 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

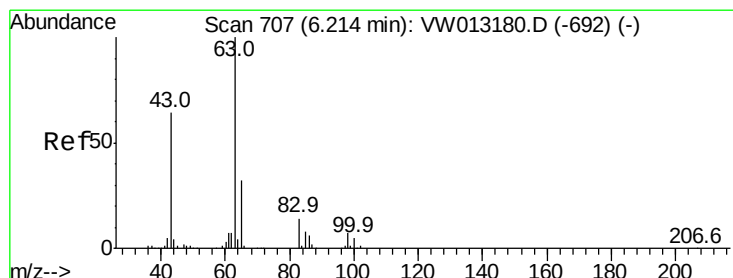
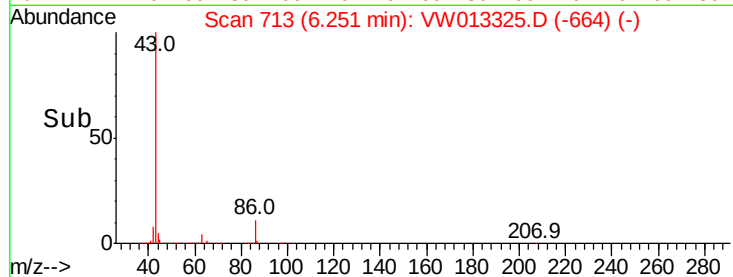
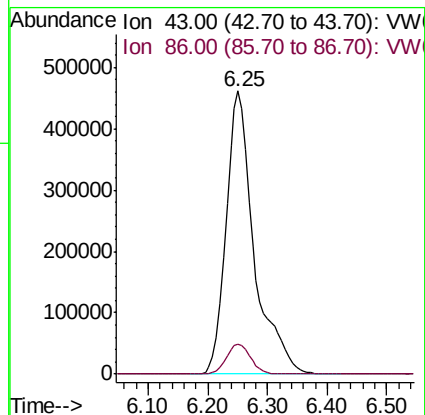
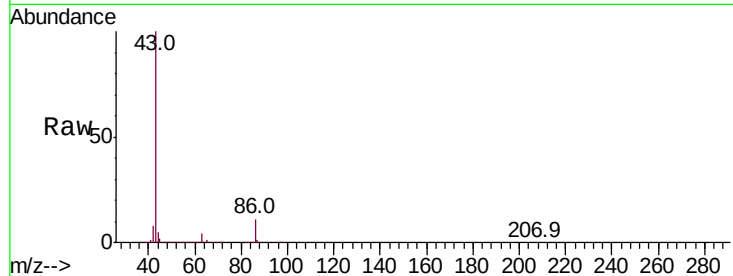
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1503971

Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5



#24

1,1-Dichloroethane

Concen: 50.443 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

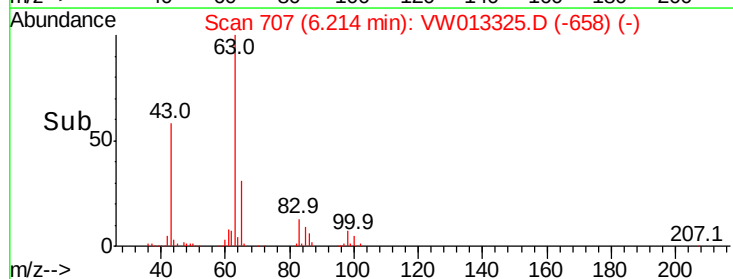
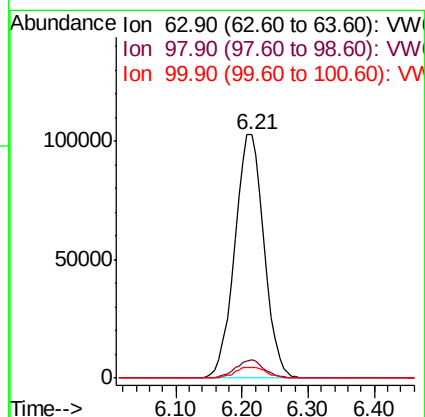
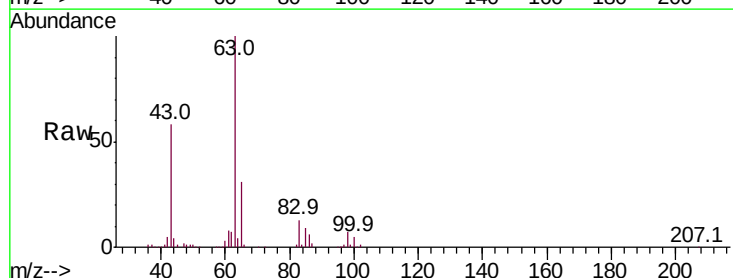
Tgt Ion: 63 Resp: 314815

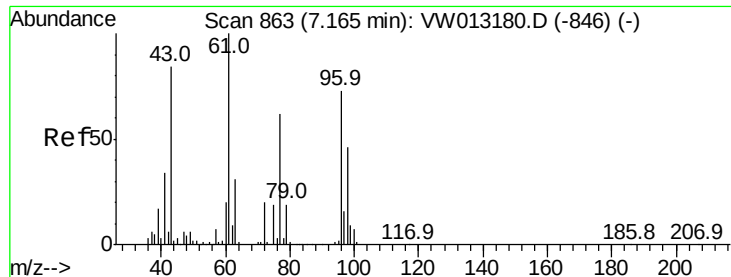
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 233.472 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

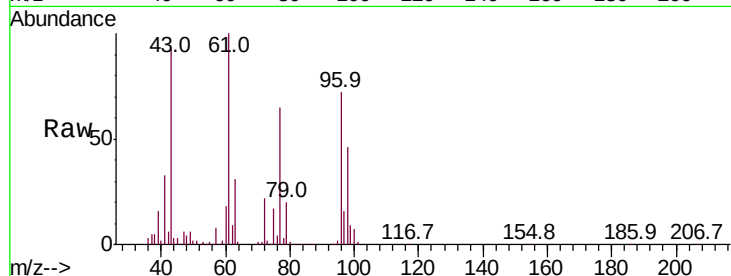
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 237215

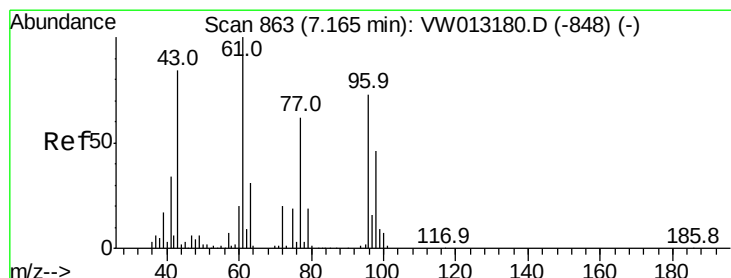
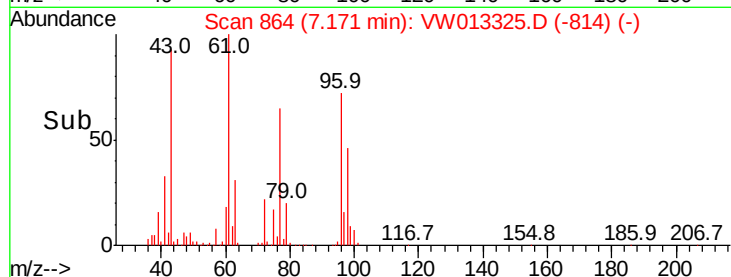
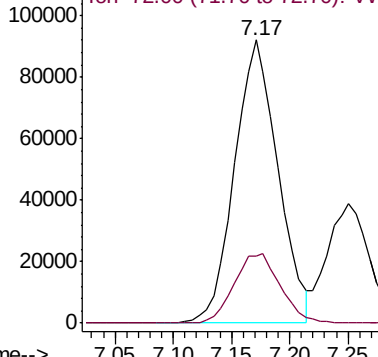
Ion Ratio Lower Upper

43 100

72 23.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 54.138 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013325.D

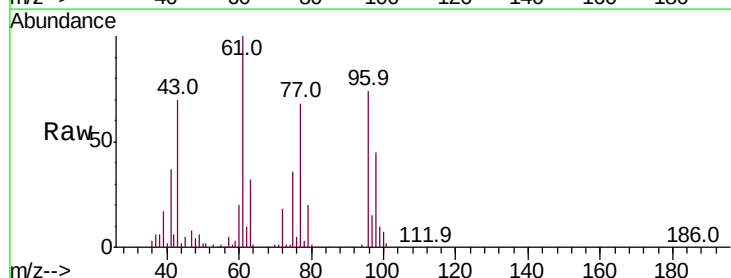
Acq: 30 Sep 2019 10:50

Tgt Ion: 77 Resp: 201134

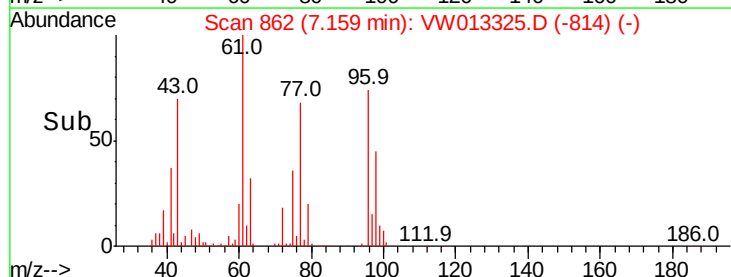
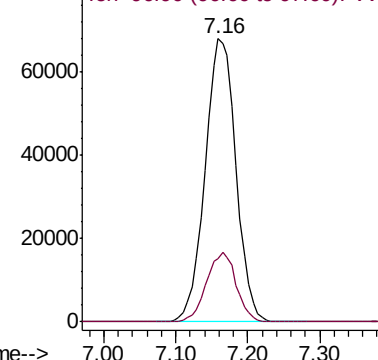
Ion Ratio Lower Upper

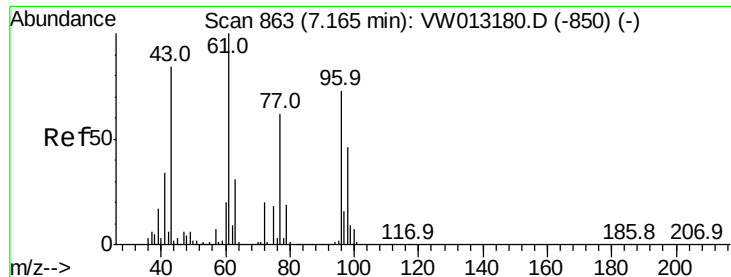
77 100

97 23.8 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



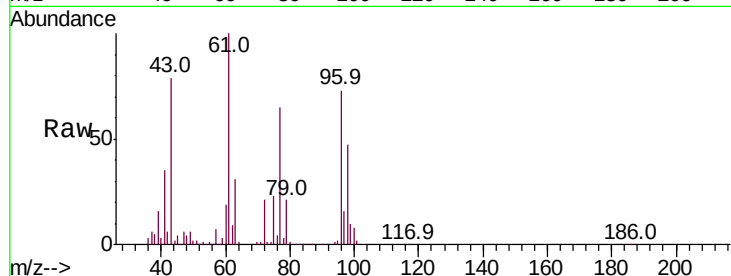


#27

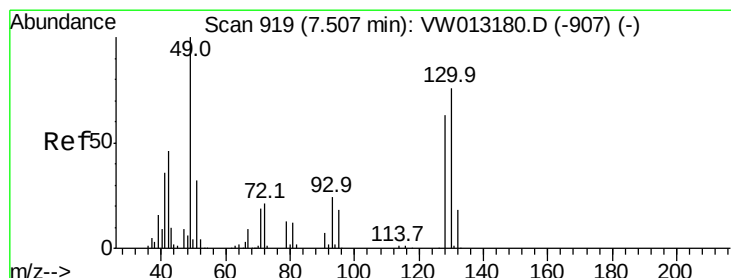
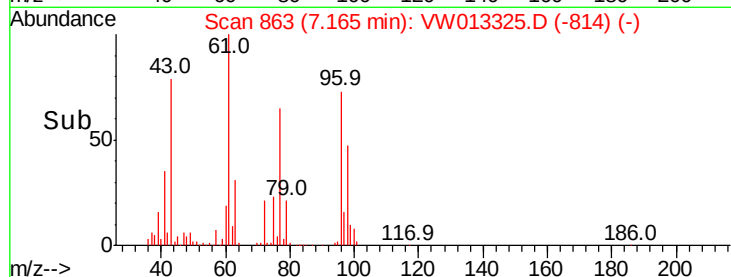
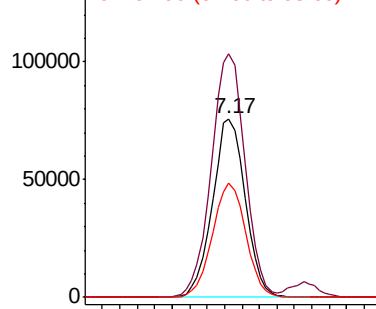
cis-1,2-Dichloroethene
Concen: 50.811 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	198063
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	282.4
98	65.0	0.0	128.2



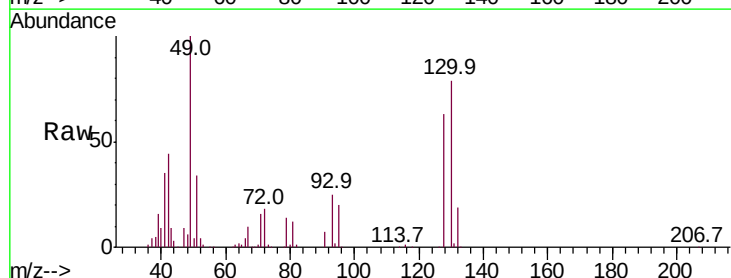
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



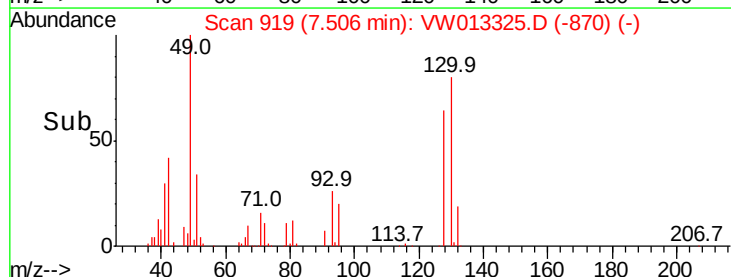
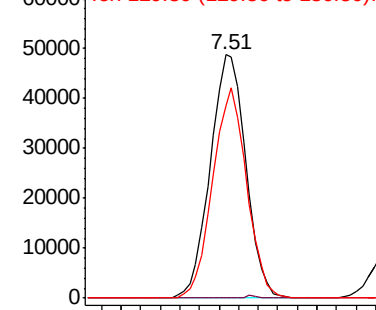
#28

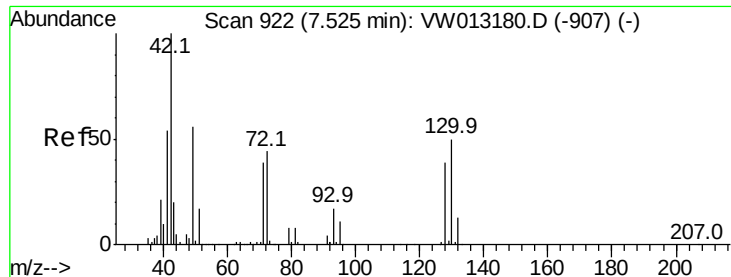
Bromochloromethane
Concen: 51.332 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	49	Resp	122957
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.0
130	82.7	63.4	95.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

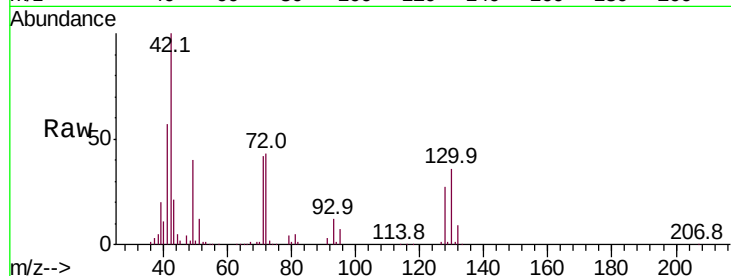




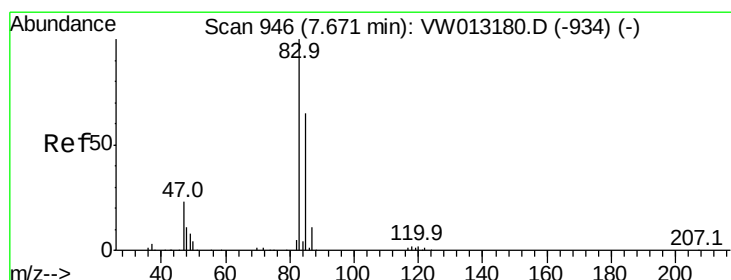
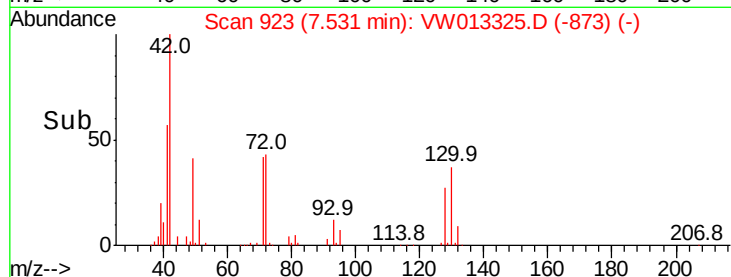
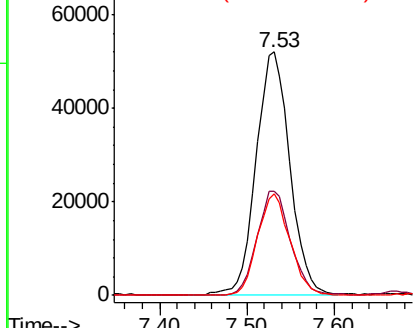
#29
Tetrahydrofuran
Concen: 226.039 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.9	50.9
71	39.9	31.9	47.9

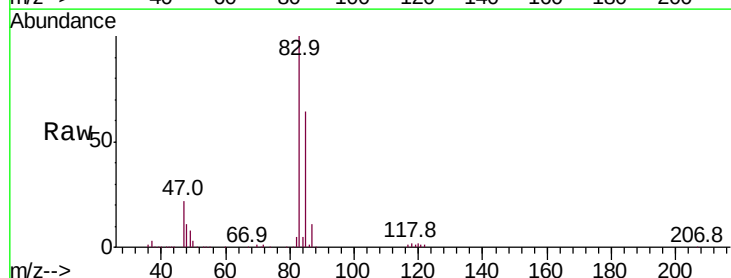


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

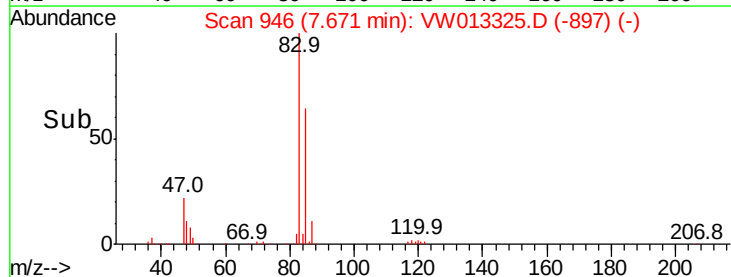
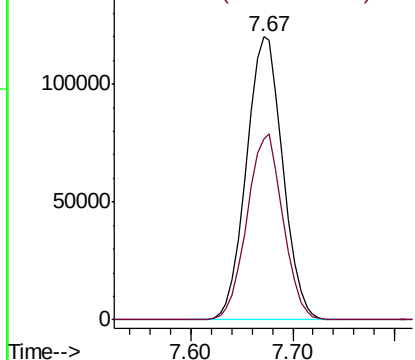


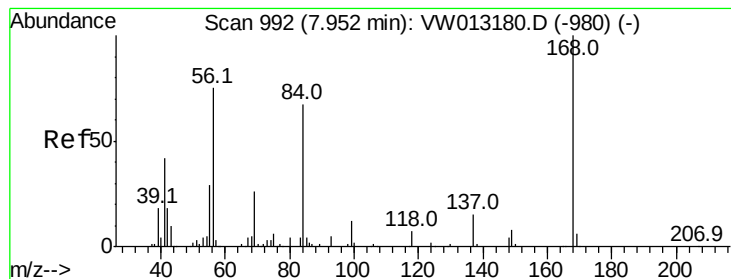
#30
Chloroform
Concen: 48.685 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5



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





#31

Cyclohexane

Concen: 48.699 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampled :

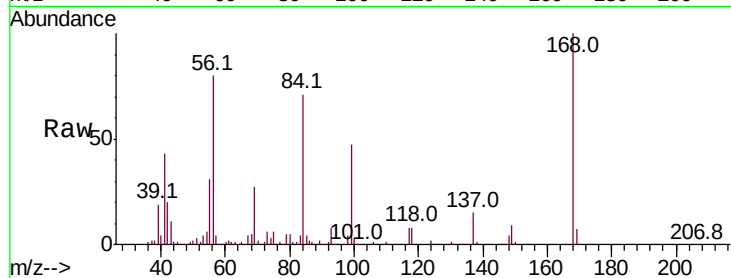
Tot Ion: 56 Resp: 316821

Ion Ratio Lower Upper

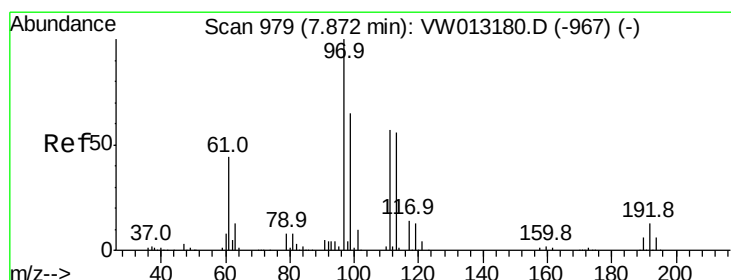
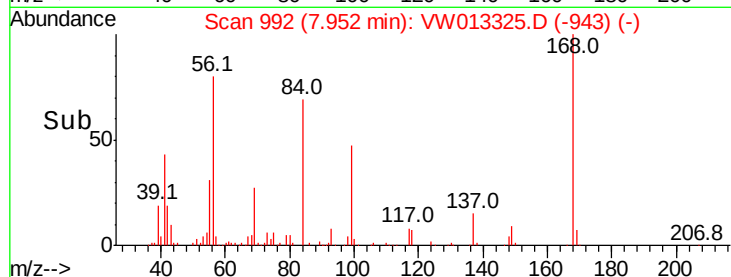
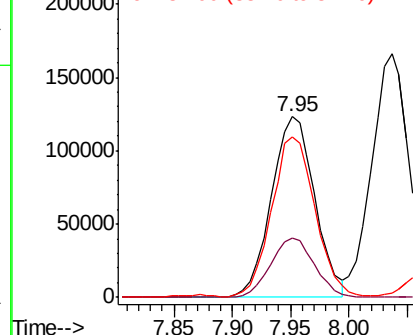
56 100

69 33.1 27.2 40.8

84 87.8 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 51.228 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

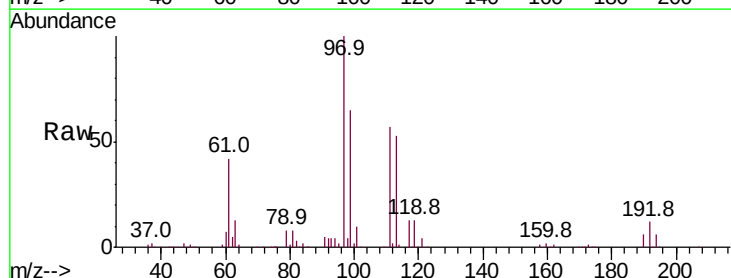
Tgt Ion: 97 Resp: 253516

Ion Ratio Lower Upper

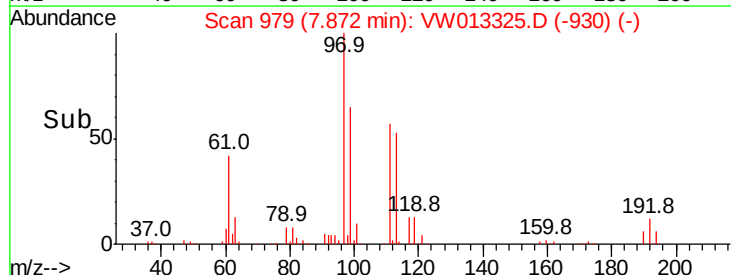
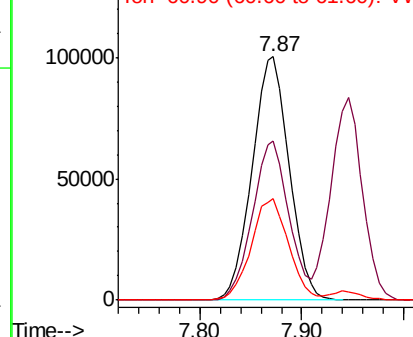
97 100

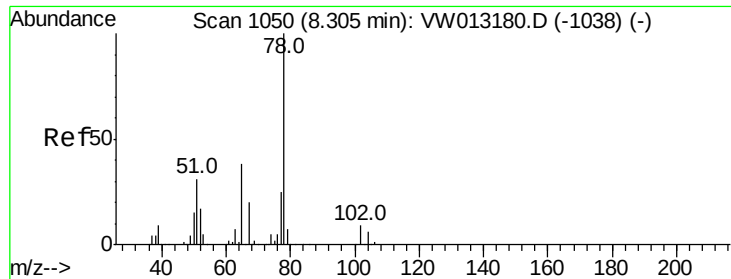
99 64.3 51.7 77.5

61 42.2 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

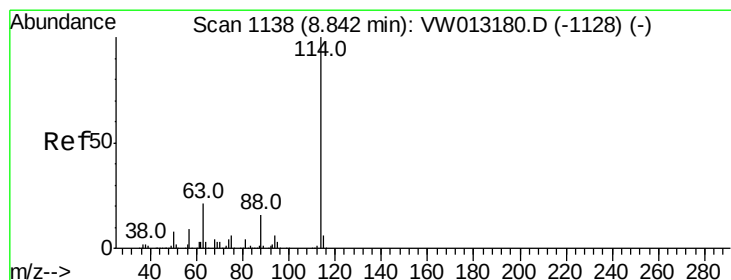
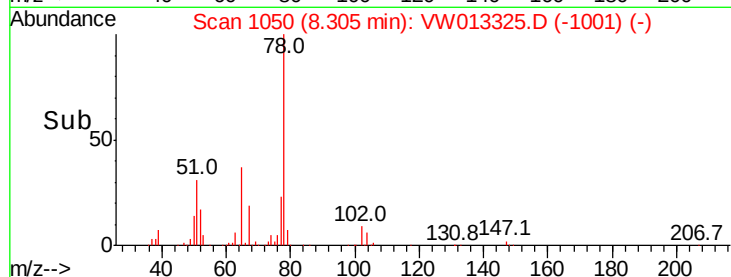
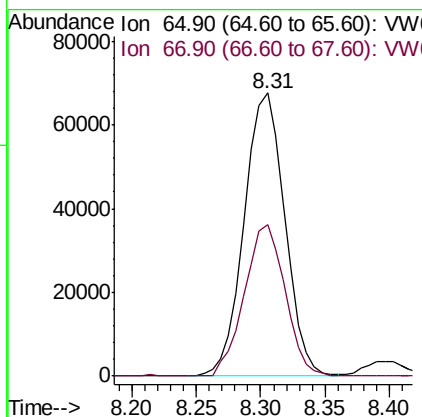
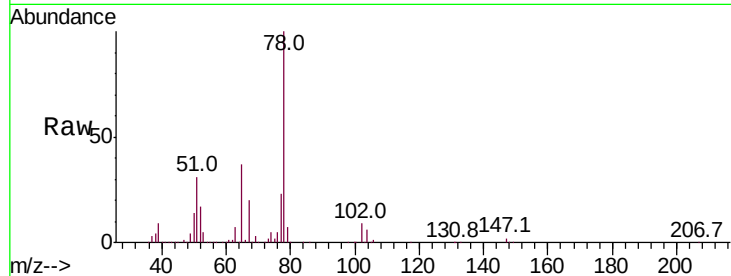




#33
 1,2-Dichloroethane-d4
 Concen: 49.400 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

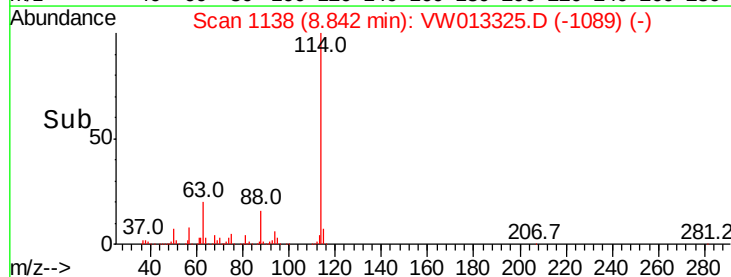
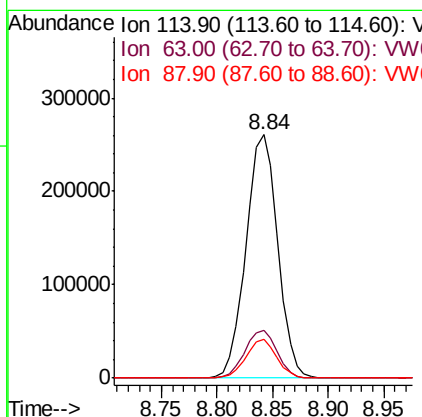
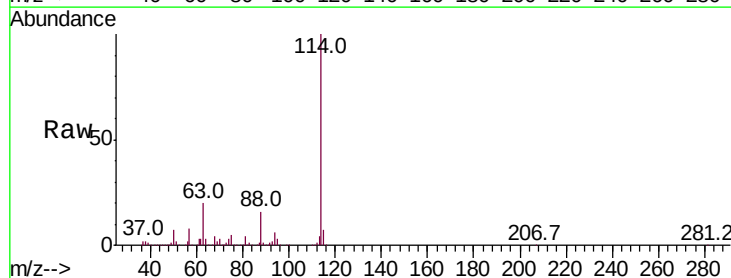
Instrument :
 MSVOA_W
 ClientSampleId :

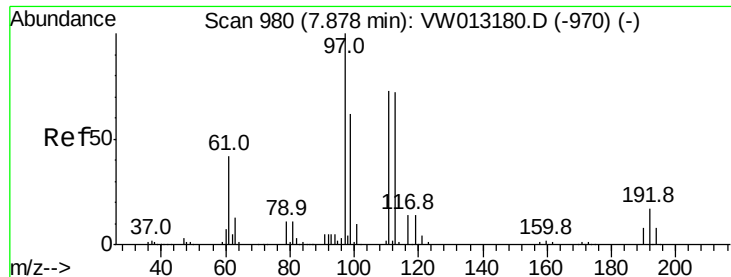
Tot Ion: 65 Resp: 148265
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 114 Resp: 518162
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.9 0.0 32.0

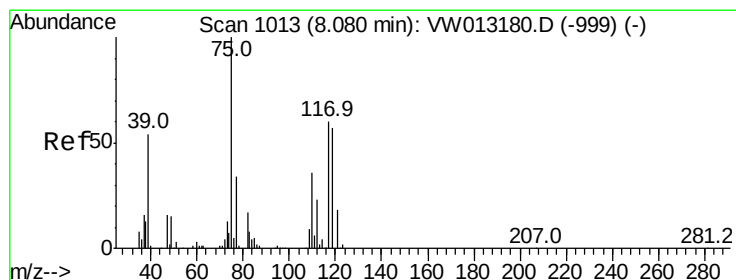
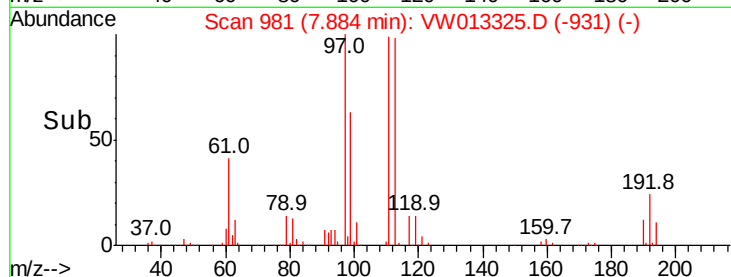
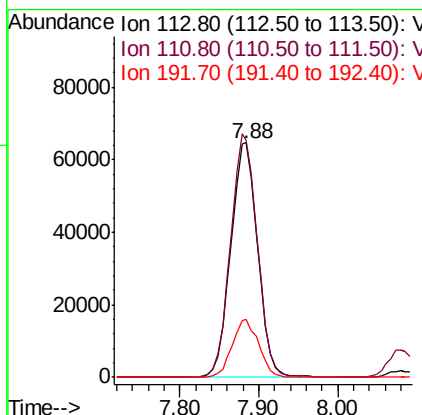
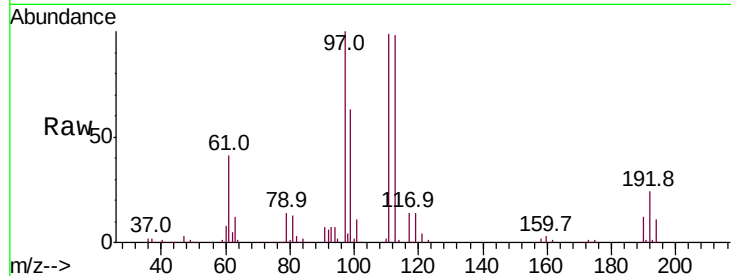




#35
 Dibromofluoromethane
 Concen: 53.811 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

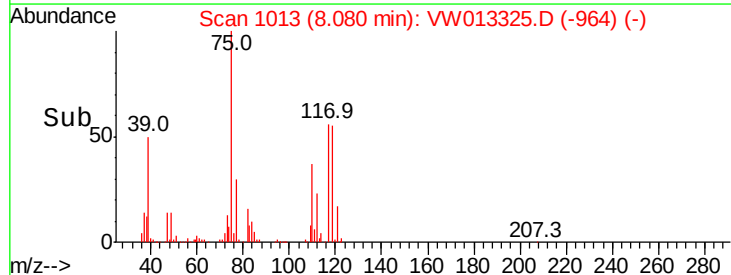
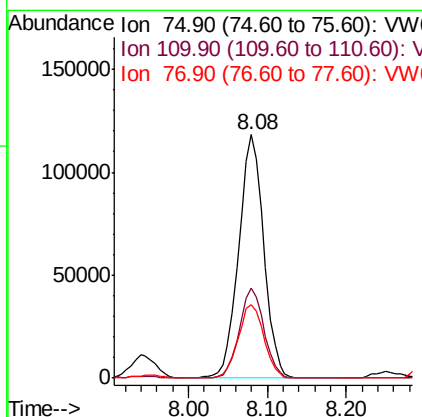
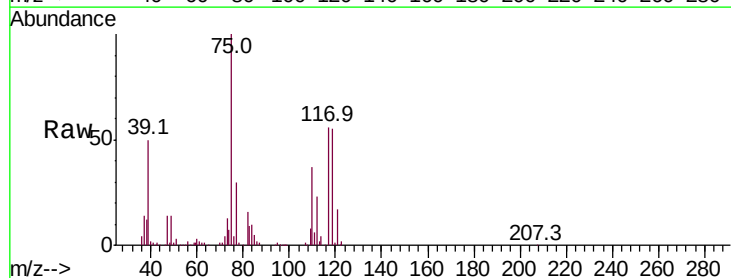
Instrument :
 MSVOA_W
 ClientSampleId :

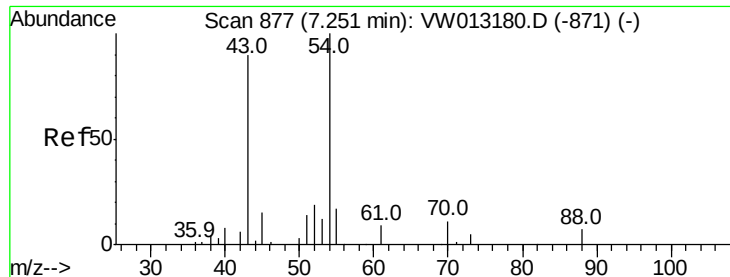
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	24.3	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 52.093 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.3
77	31.1	25.8	38.6

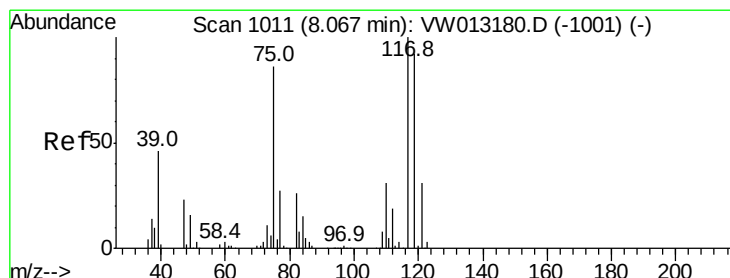
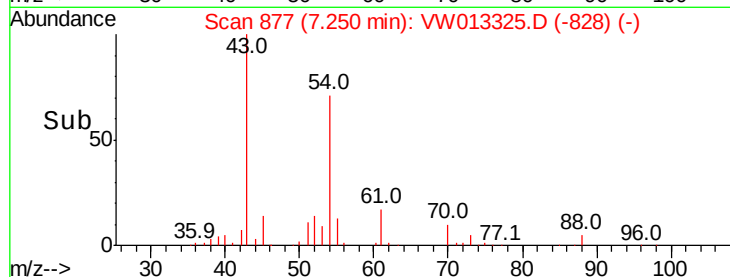
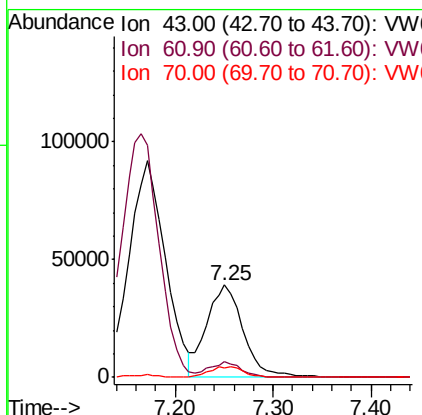
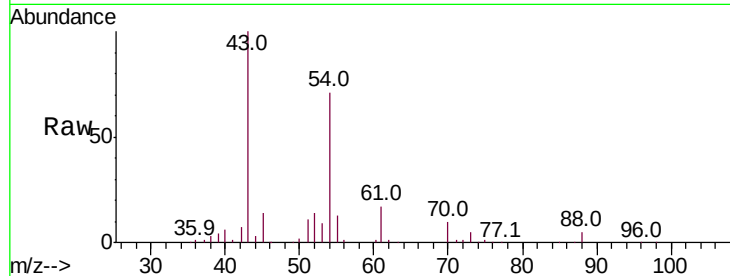




#37
Ethyl Acetate
Concen: 47.256 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

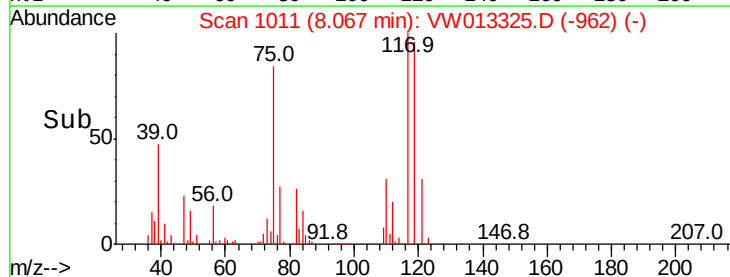
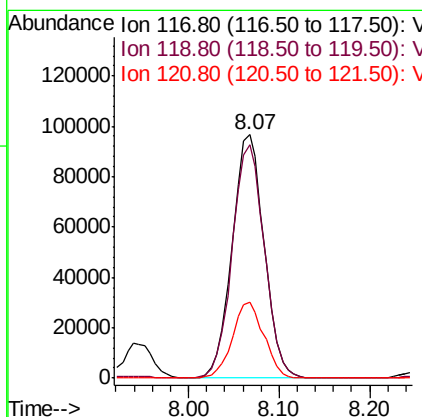
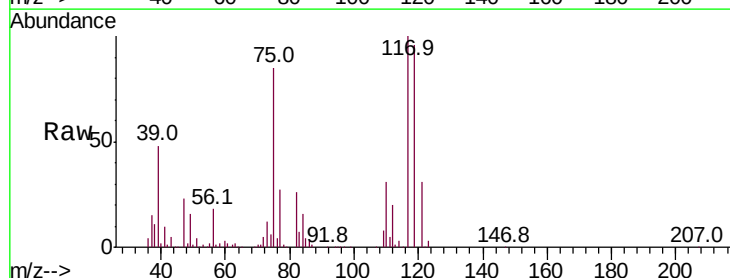
Instrument :
MSVOA_W
ClientSampled :

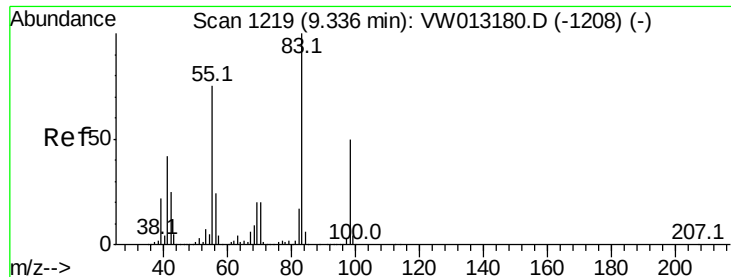
Tot Ion: 43 Resp: 100797
Ion Ratio Lower Upper
43 100
61 15.0 10.9 16.3
70 11.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 52.747 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 117 Resp: 237307
Ion Ratio Lower Upper
117 100
119 96.0 73.5 110.3
121 31.3 25.0 37.6

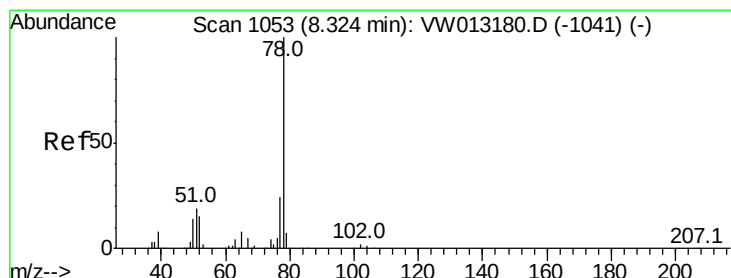
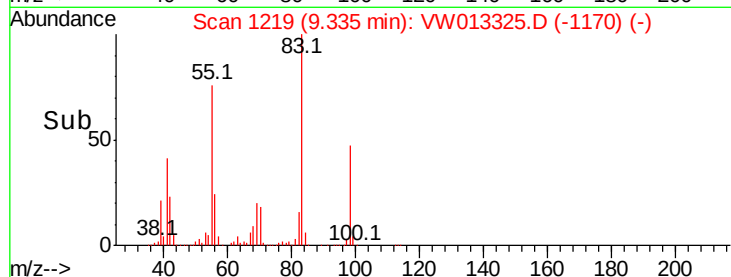
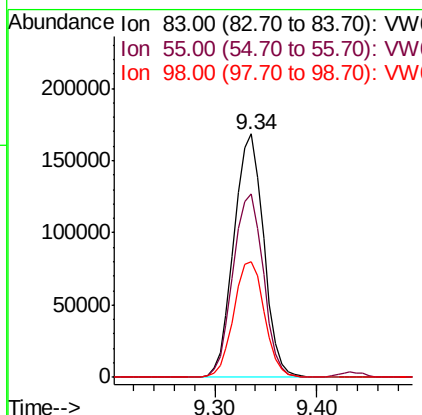
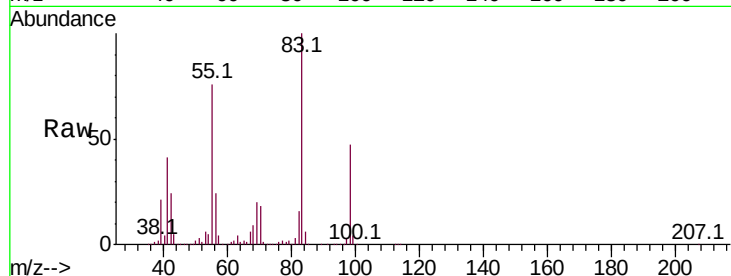




#39
Methylvlcyclohexane
Concen: 52.899 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

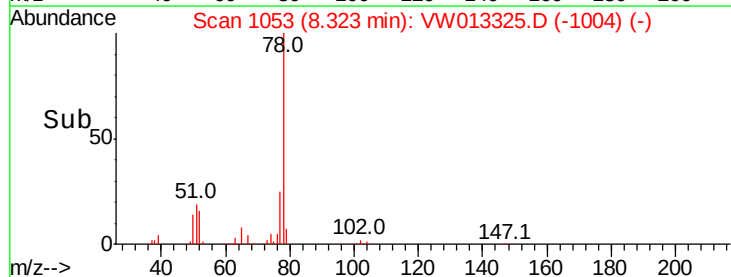
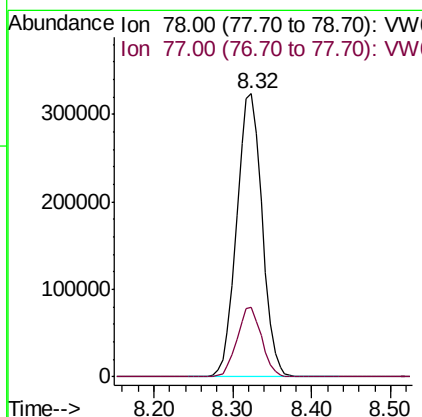
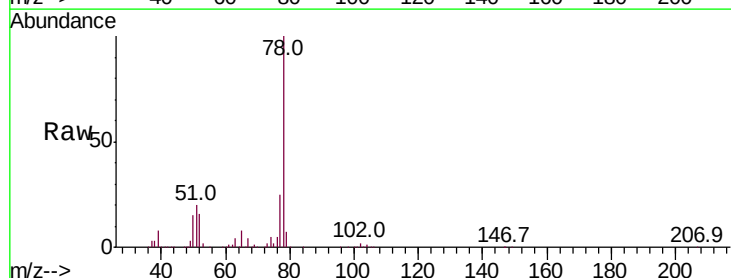
Instrument :
MSVOA_W
ClientSampleId :

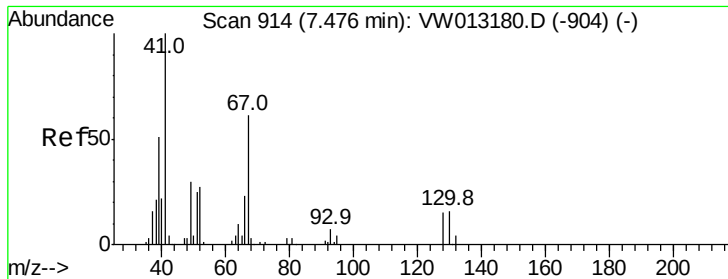
Tot Ion: 83 Resp: 341178
Ion Ratio Lower Upper
83 100
55 75.5 60.4 90.6
98 47.4 40.0 60.0



#40
Benzene
Concen: 51.884 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 78 Resp: 726320
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7

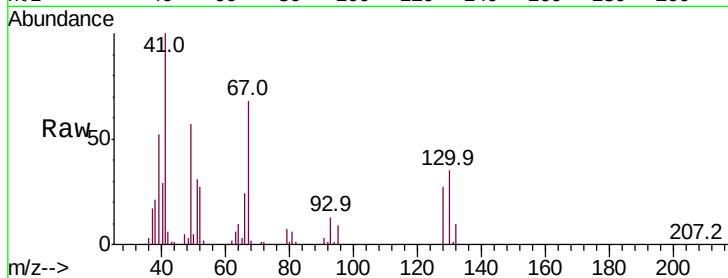




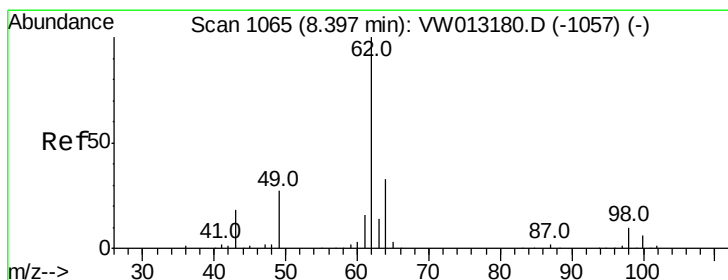
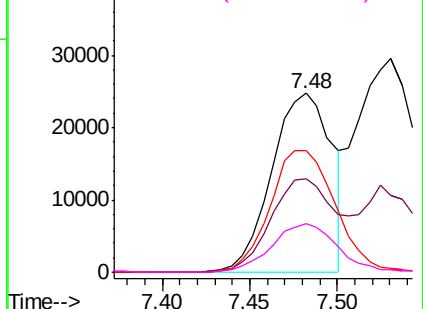
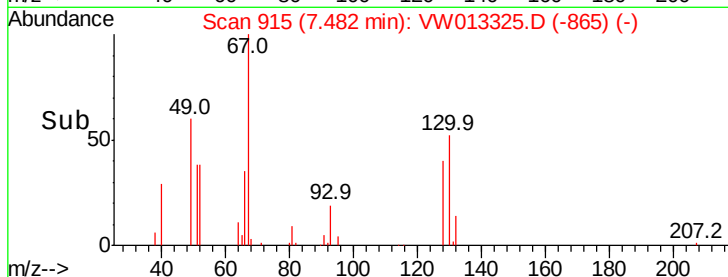
#41
Methacrylonitrile
Concen: 46.557 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	59269
Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.9	68.9
67	74.2	54.5	81.7
52	29.9	22.5	33.7

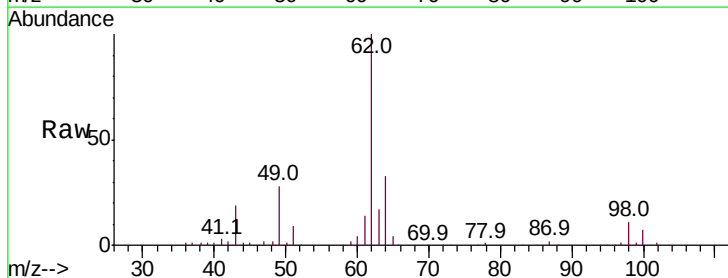


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

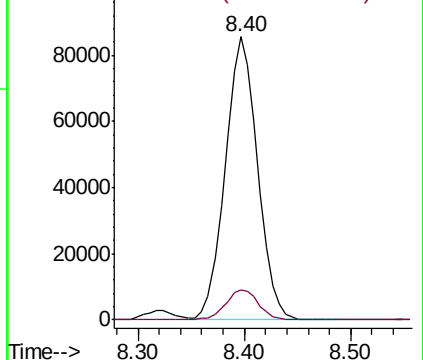
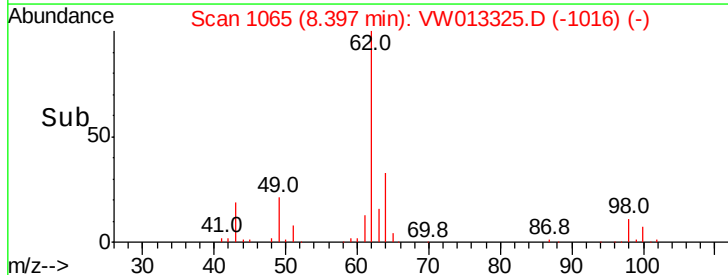


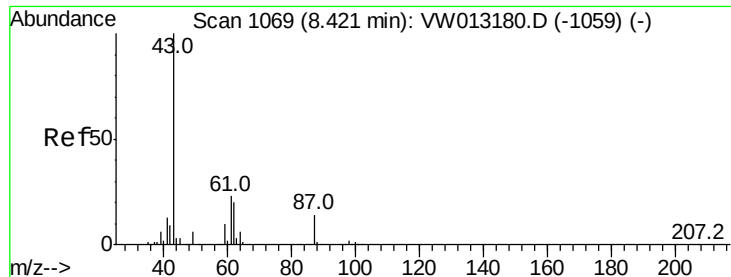
#42
1,2-Dichloroethane
Concen: 48.247 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:	62	Resp:	181561
Ion	Ratio	Lower	Upper
62	100		
98	10.9	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: 47.462 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

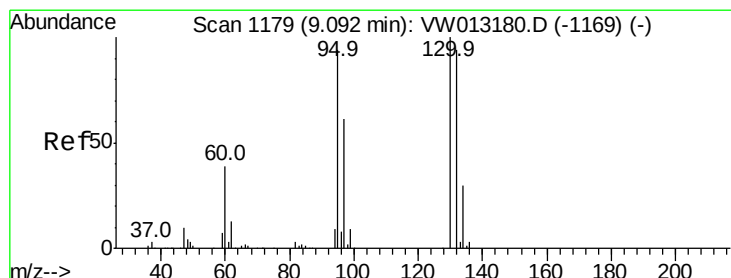
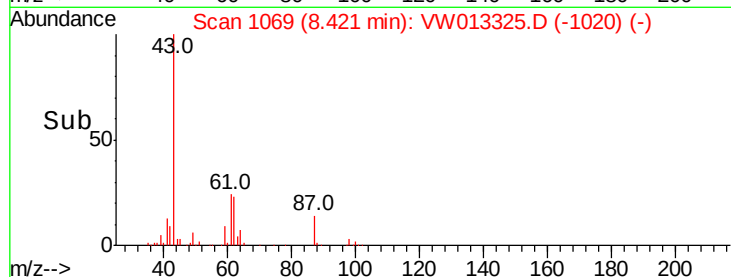
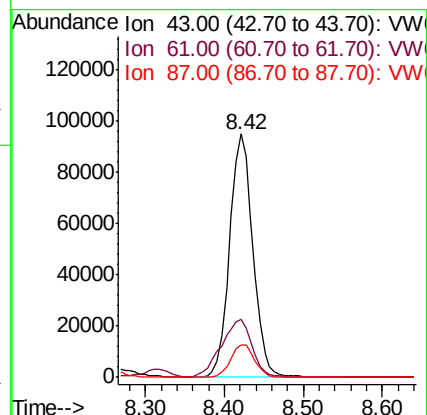
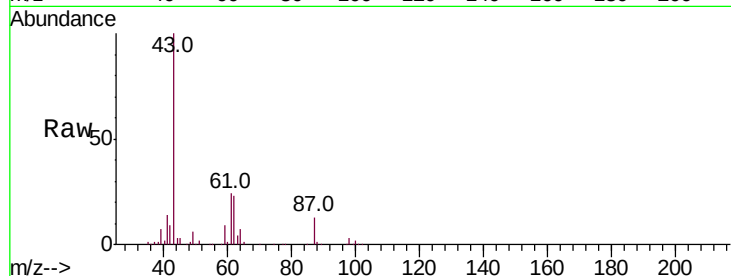
Tot Ion: 43 Resp: 194026

Ion Ratio Lower Upper

43 100

61 31.3 25.5 38.3

87 13.9 11.0 16.4



#44

Trichloroethene

Concen: 52.182 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013325.D

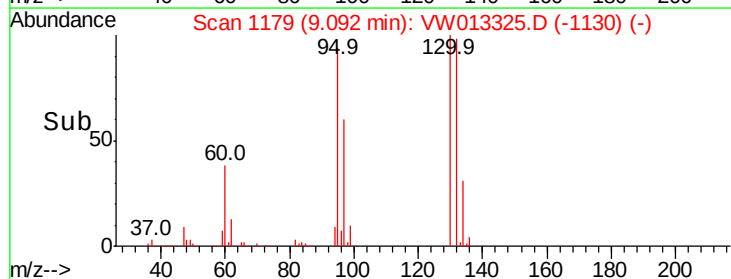
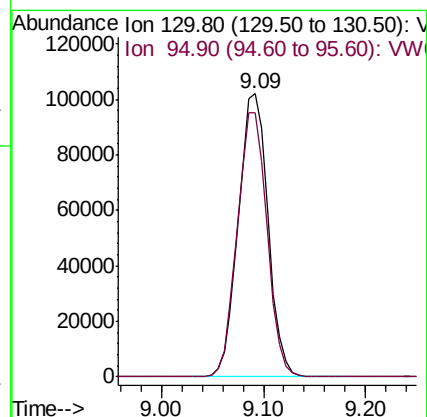
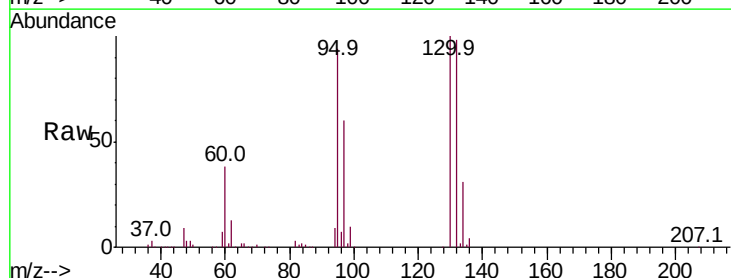
Acq: 30 Sep 2019 10:50

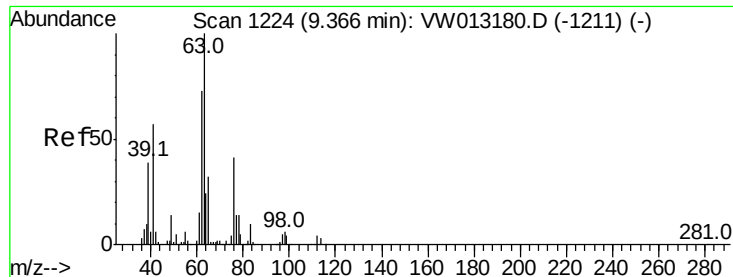
Tgt Ion:130 Resp: 204954

Ion Ratio Lower Upper

130 100

95 93.6 0.0 188.0

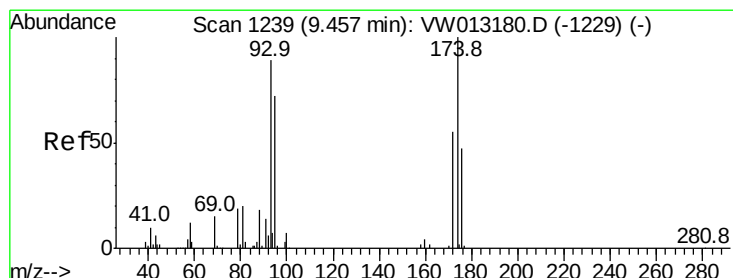
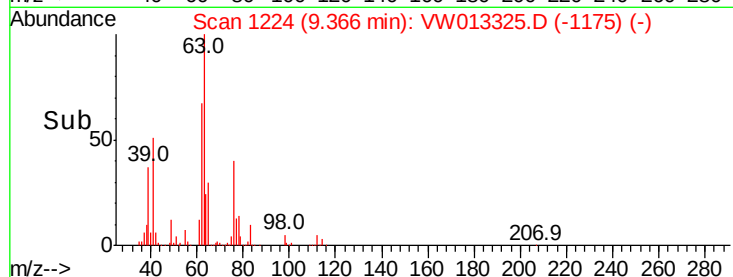
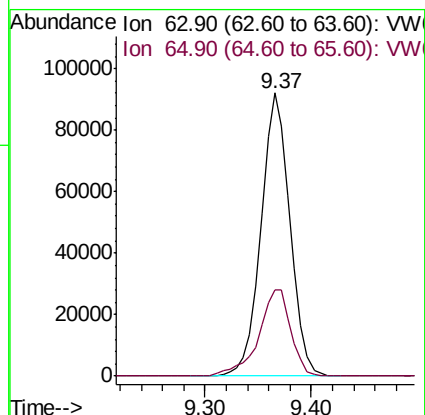
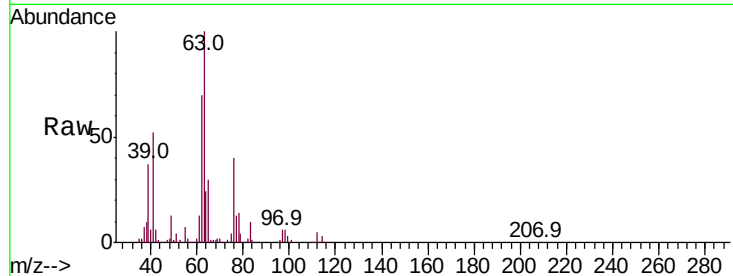




#45
 1,2-Dichloropropane
 Concen: 51.271 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

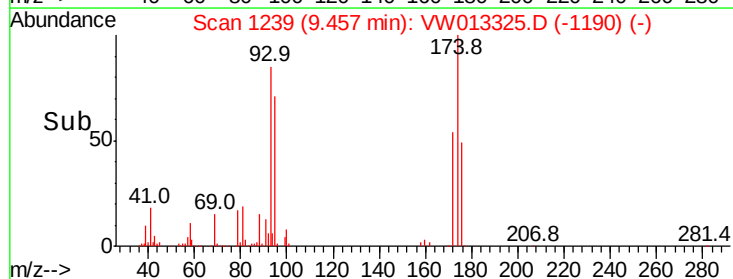
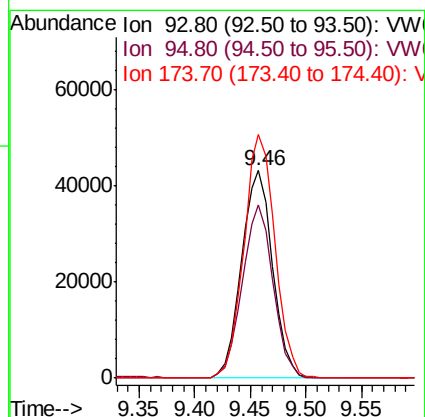
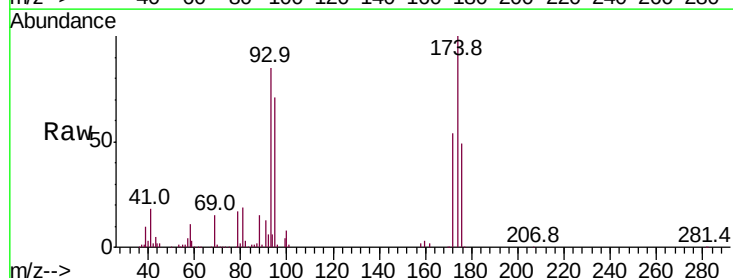
Instrument :
 MSVOA_W
 ClientSampled :

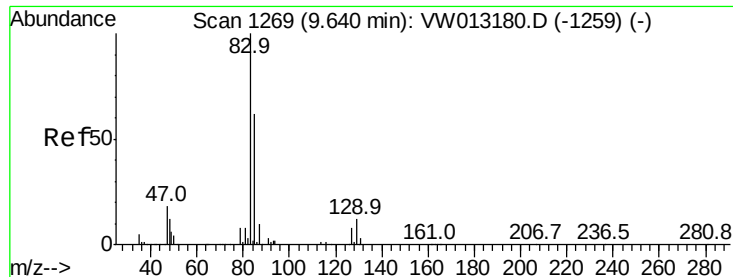
Tot Ion: 63 Resp: 175229
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.3 37.9



#46
 Dibromomethane
 Concen: 50.425 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 93 Resp: 83669
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.4 99.6
 174 117.9 93.0 139.6





#47

Bromodichloromethane

Concen: 52.068 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampled :

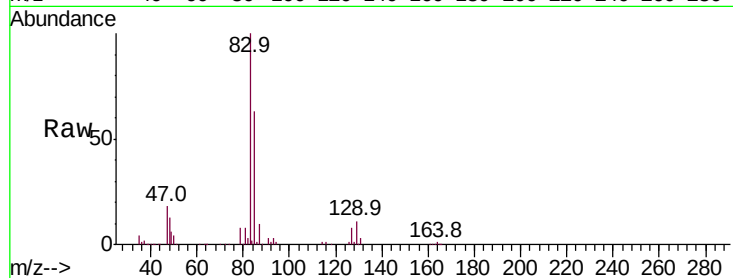
Tot Ion: 83 Resp: 219838

Ion Ratio Lower Upper

83 100

85 62.9 49.4 74.2

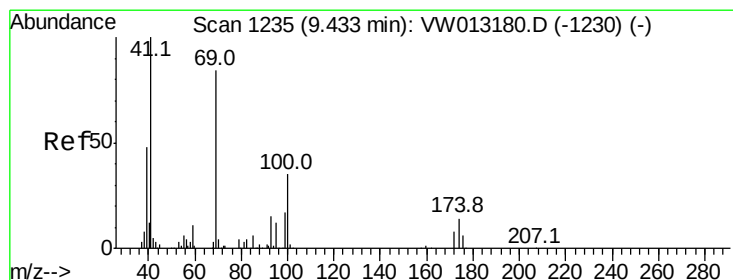
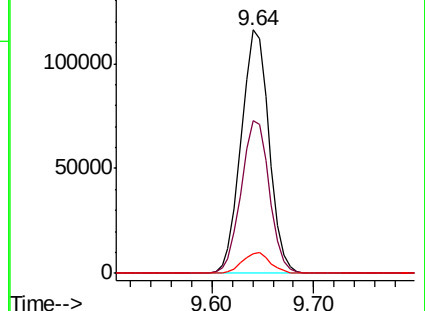
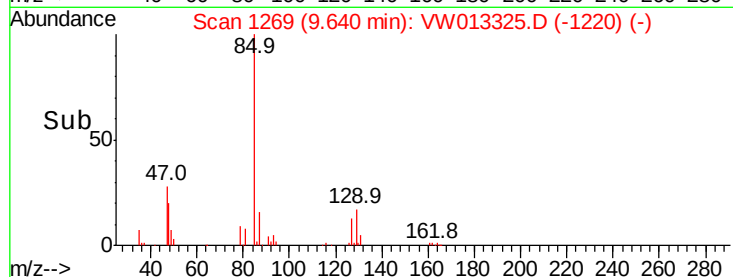
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.504 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

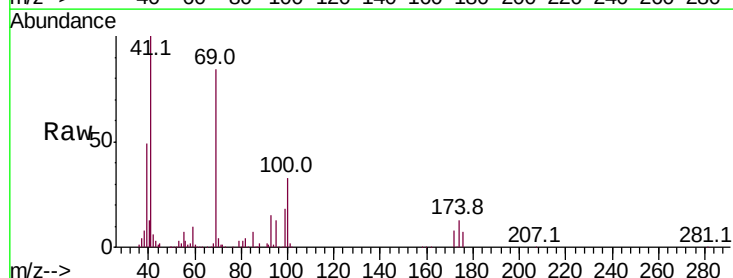
Tgt Ion: 41 Resp: 97083

Ion Ratio Lower Upper

41 100

69 82.6 69.7 104.5

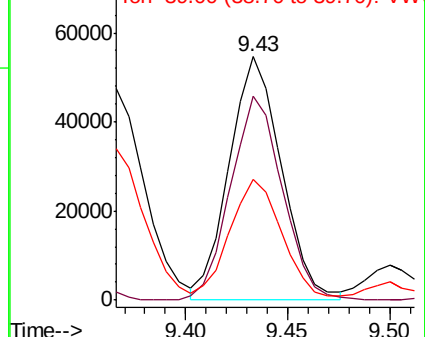
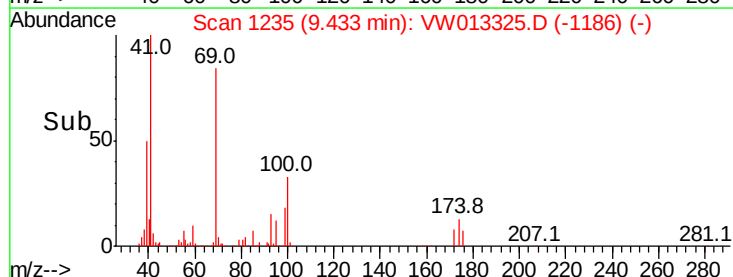
39 46.5 41.1 61.7

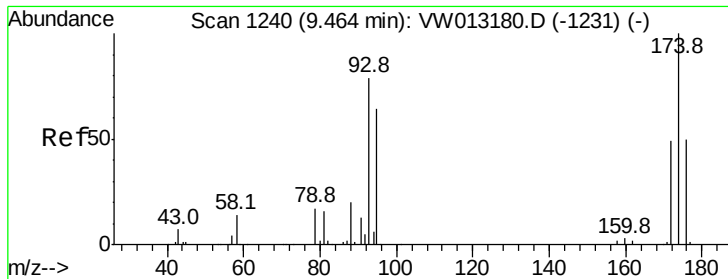


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

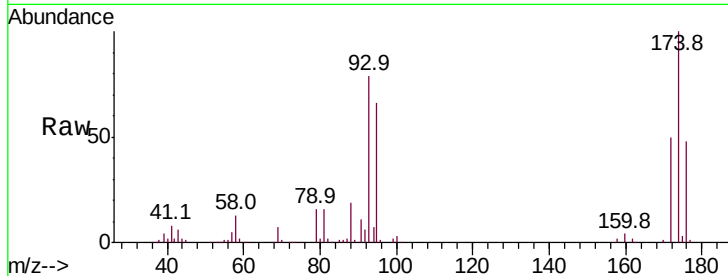




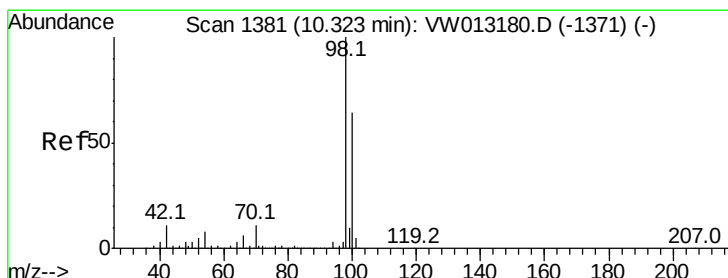
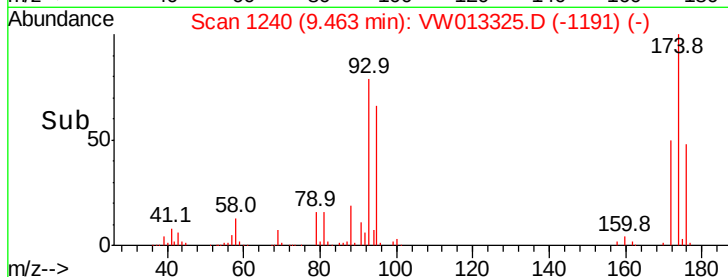
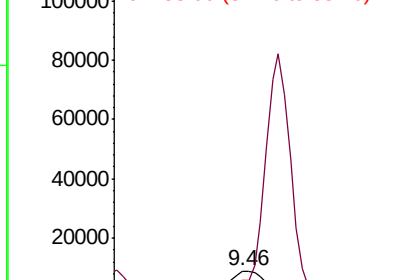
#49
1,4-Dioxane
Concen: 956.037 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 23812
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 69.2 65.4 98.0

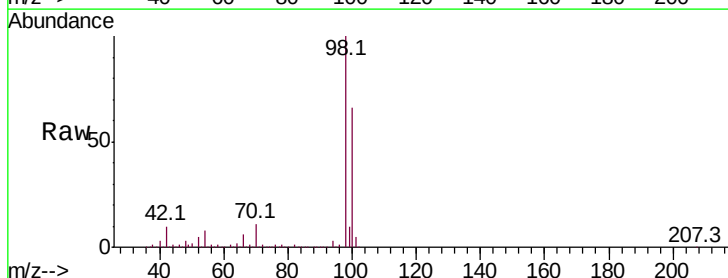


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

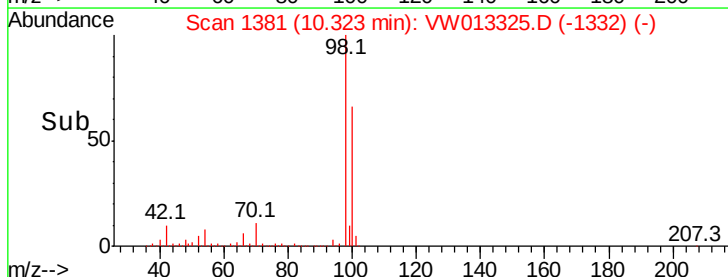
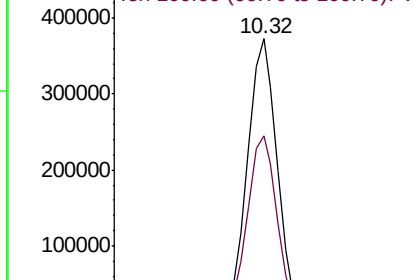


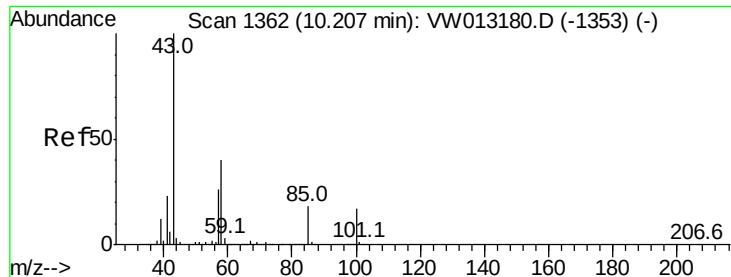
#50
Toluene-d8
Concen: 54.273 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 98 Resp: 647322
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3



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

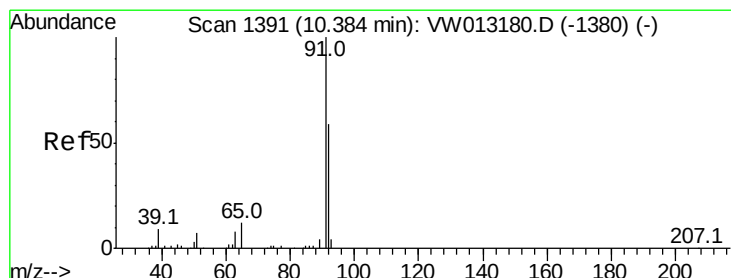
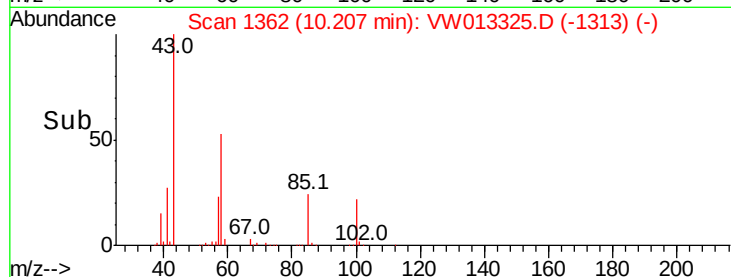
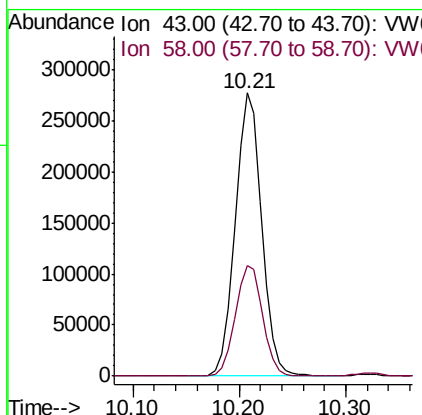
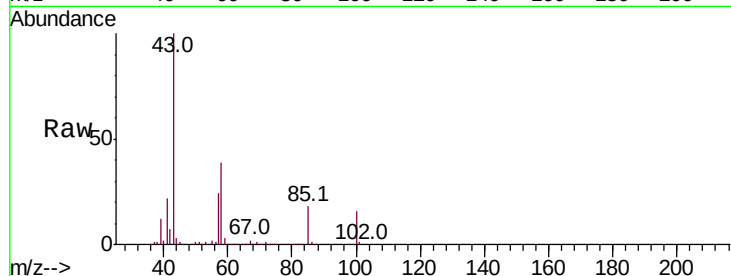




#51
 4-Methyl-2-Pentanone
 Concen: 234.950 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

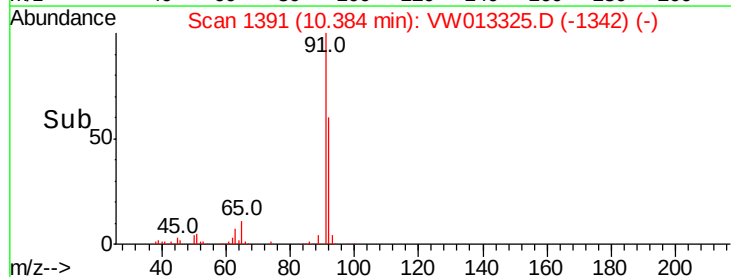
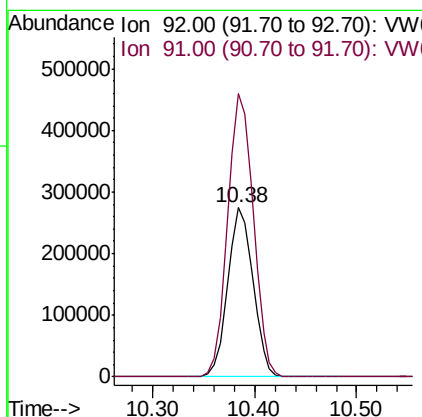
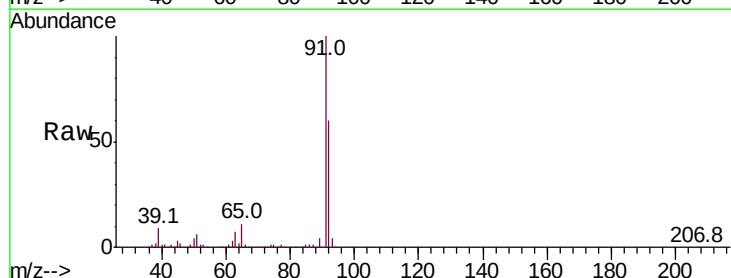
Instrument :
 MSVOA_W
 ClientSampled :

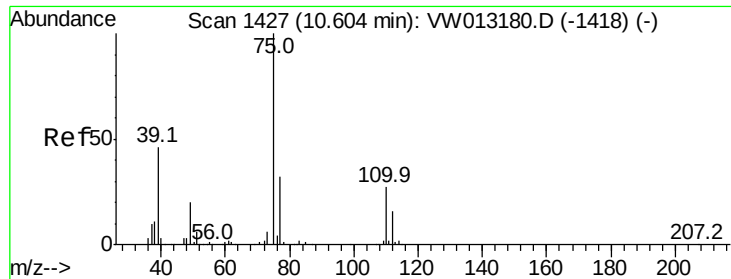
Tot Ion: 43 Resp: 481512
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.7 47.5



#52
 Toluene
 Concen: 52.274 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 92 Resp: 468991
 Ion Ratio Lower Upper
 92 100
 91 170.7 135.7 203.5

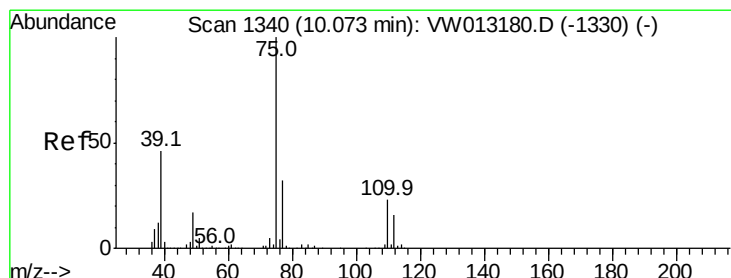
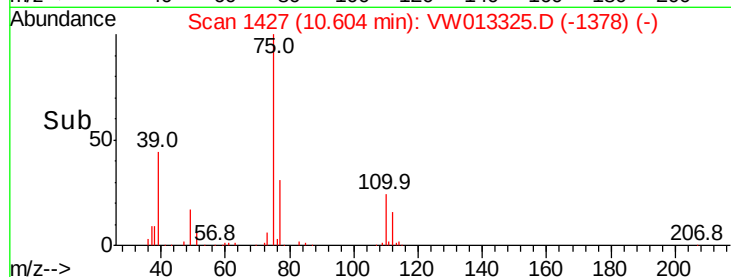
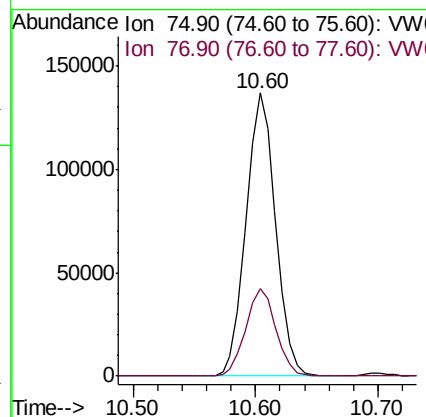
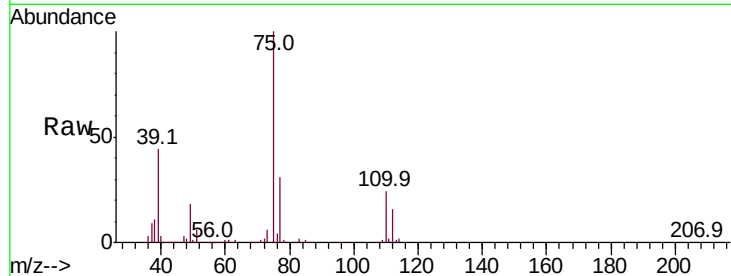




#53
t-1,3-Dichloropropene
Concen: 52.928 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

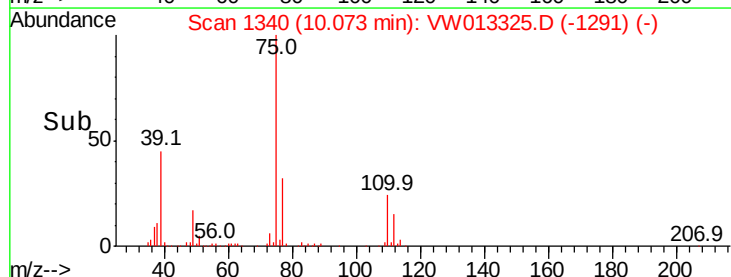
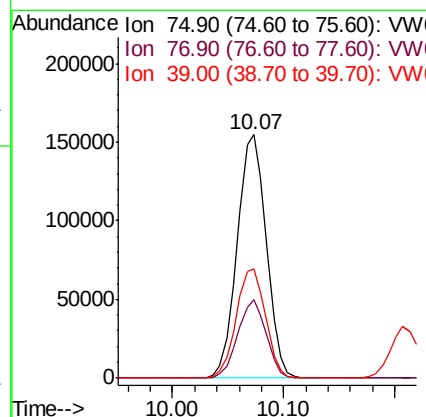
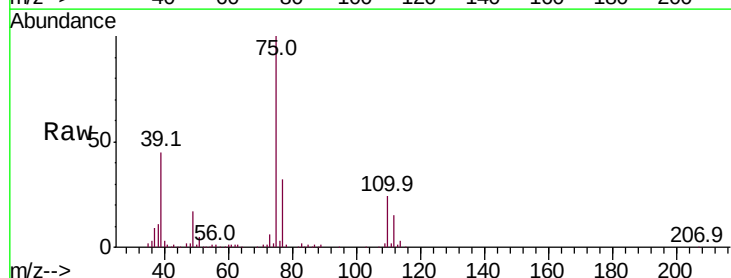
Instrument :
MSVOA_W
ClientSampled :

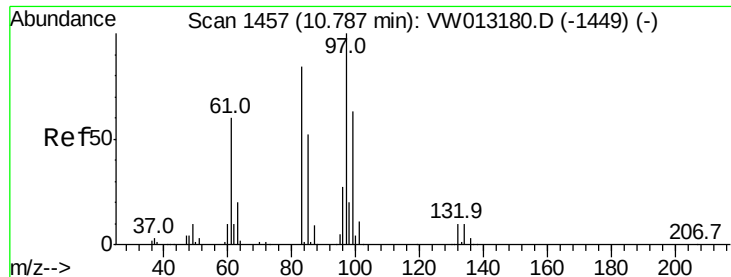
Tot Ion: 75 Resp: 229592
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 53.042 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 75 Resp: 279753
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 44.6 36.6 55.0

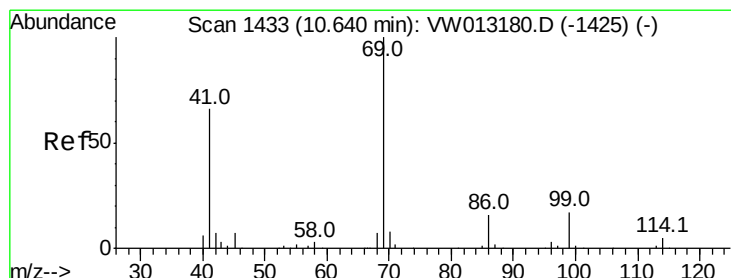
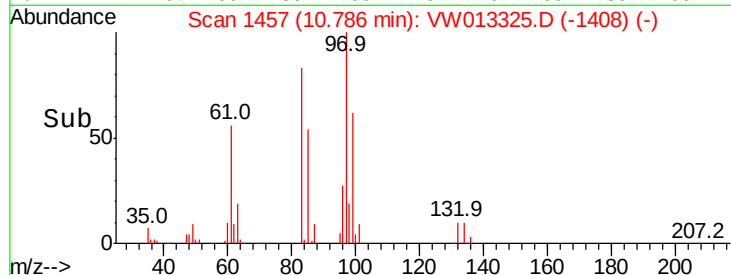
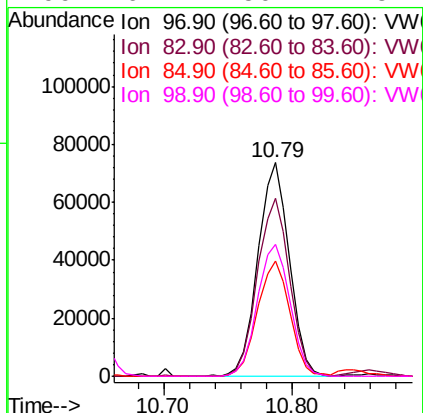
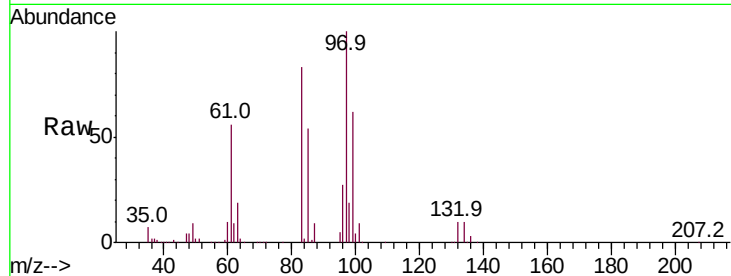




#55
 1,1,2-Trichloroethane
 Concen: 50.020 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

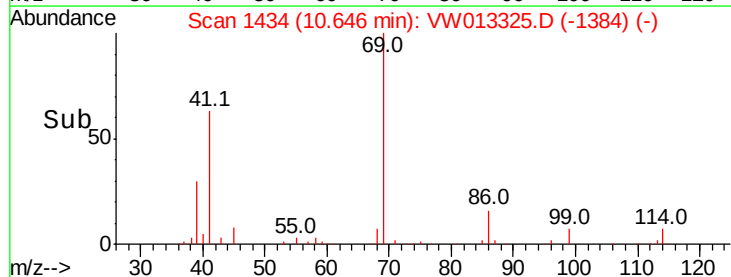
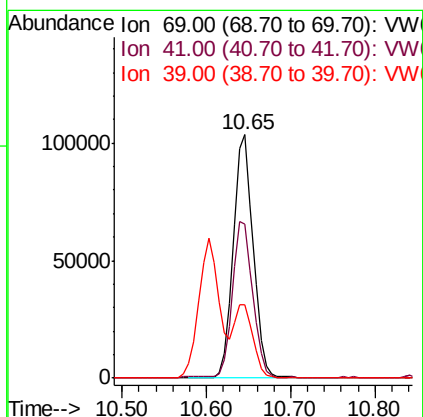
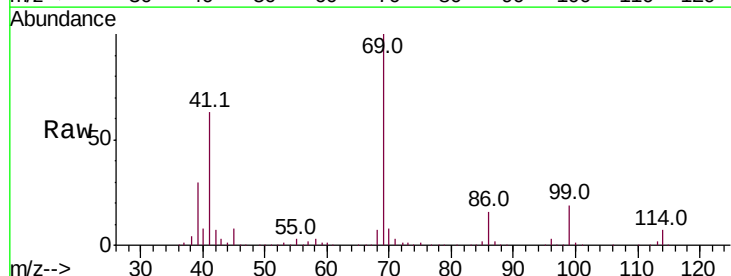
Instrument :
 MSVOA_W
 ClientSampled :

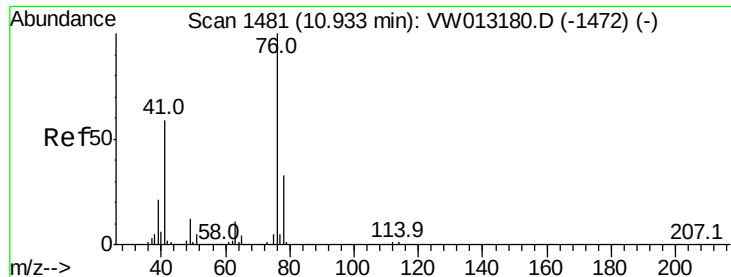
Tot Ion:	97	Resp:	124055
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.6	101.4
85	54.2	41.9	62.9
99	61.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 51.041 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion:	69	Resp:	165668
Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.9	80.9
39	27.8	23.8	35.6

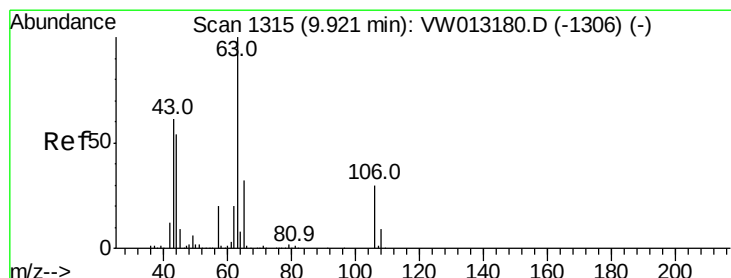
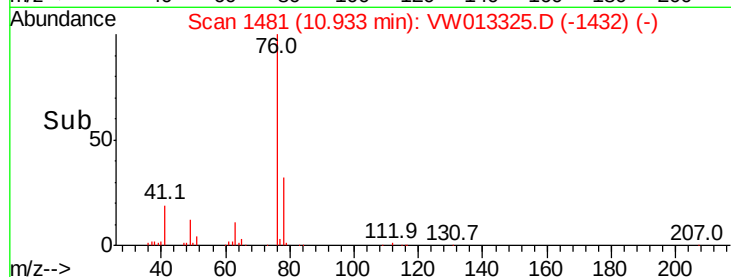
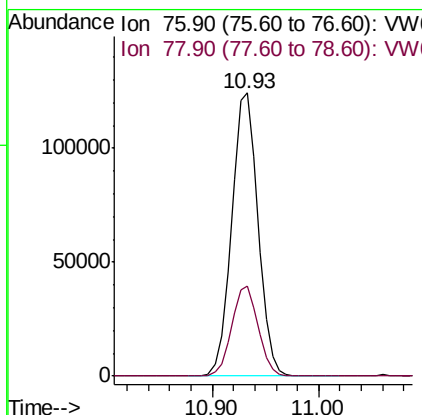
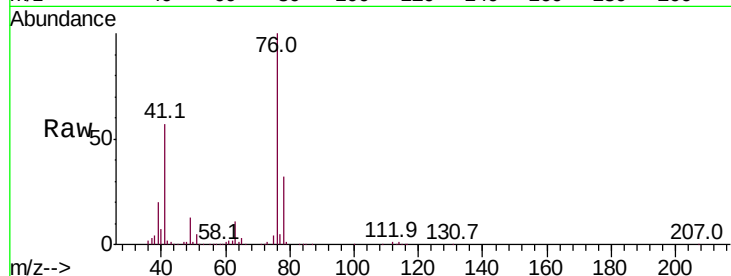




#57
 1,3-Dichloropropane
 Concen: 49.795 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

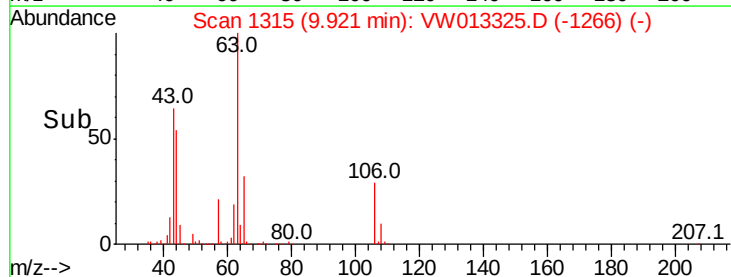
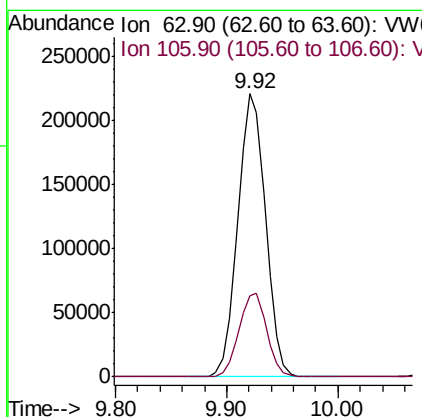
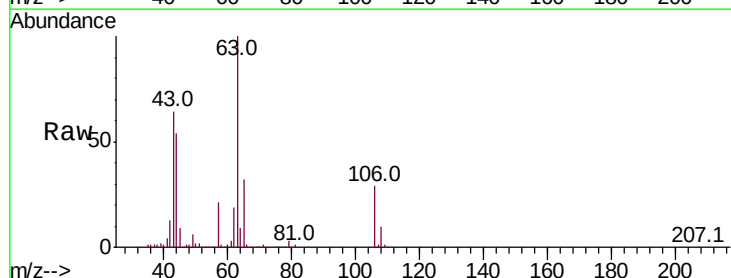
Instrument :
 MSVOA_W
 ClientSampled :

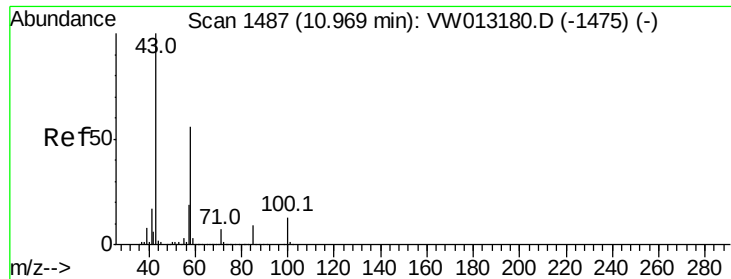
Tot Ion: 76 Resp: 215505
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.286 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 63 Resp: 380591
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.4 35.0

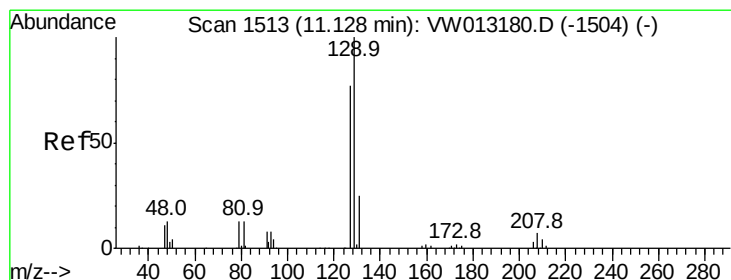
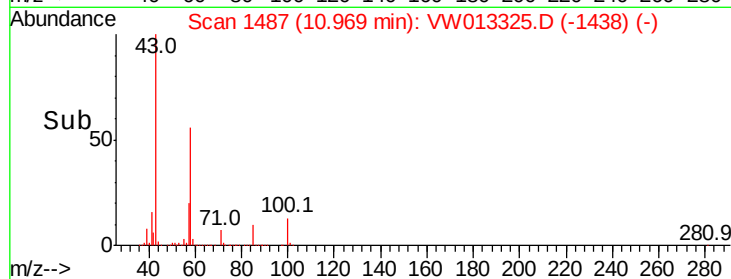
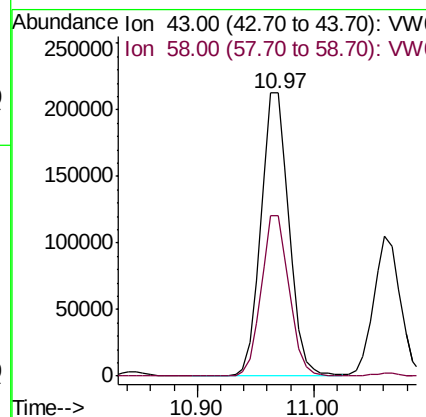
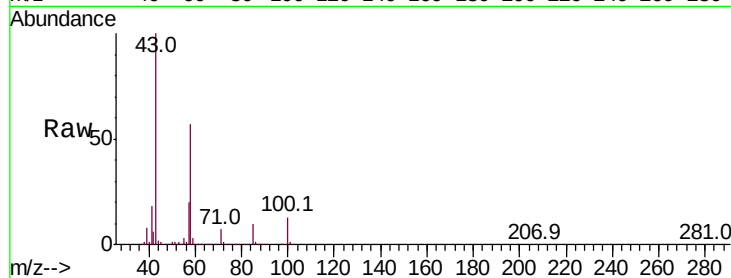




#59
2-Hexanone
Concen: 254.392 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

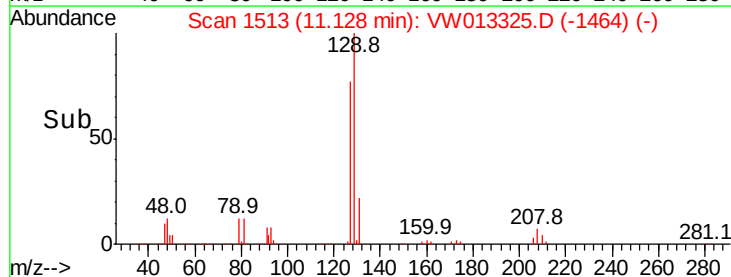
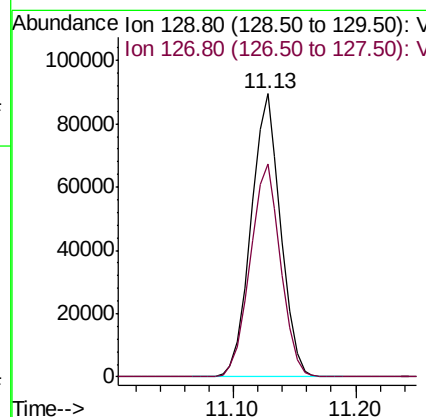
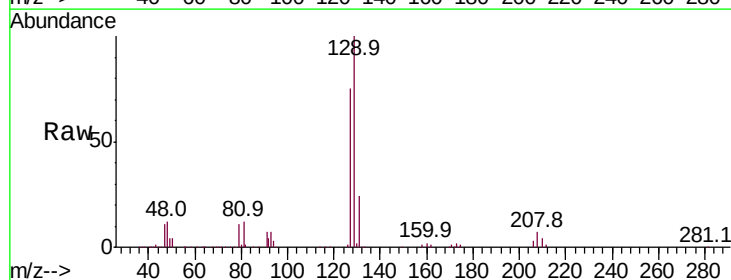
Instrument :
MSVOA_W
ClientSampleId :

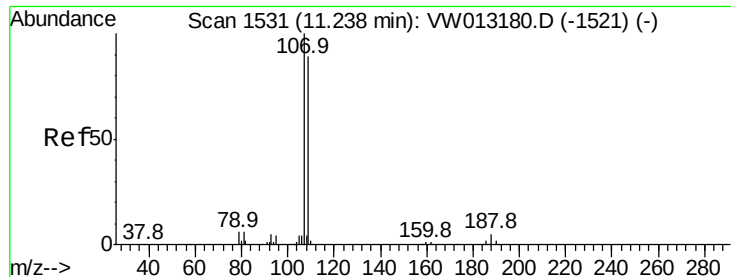
Tot Ion: 43 Resp: 358692
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2



#60
Dibromochloromethane
Concen: 53.279 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 129 Resp: 150041
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4

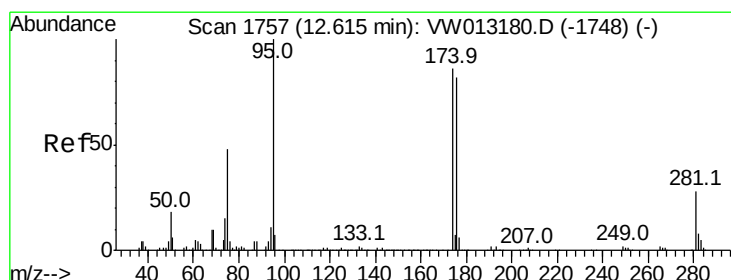
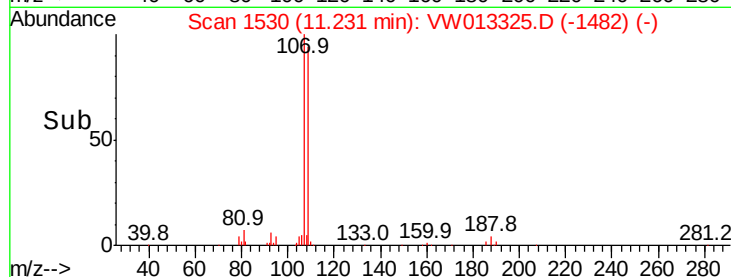
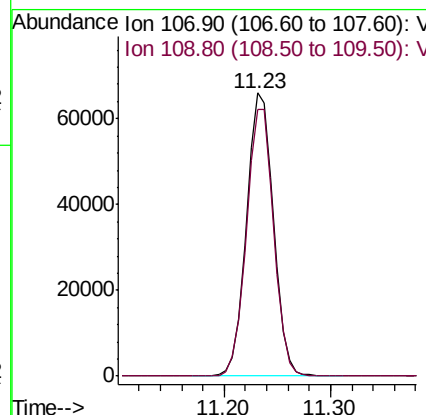
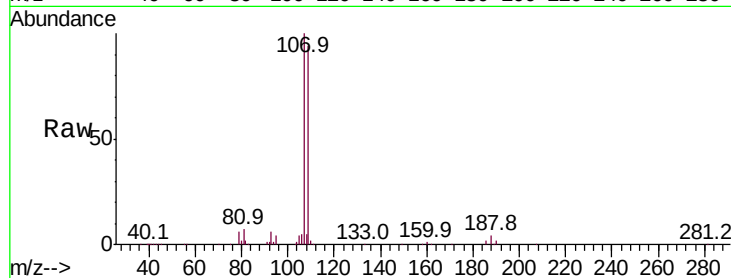




#61
 1,2-Dibromoethane
 Concen: 49.666 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

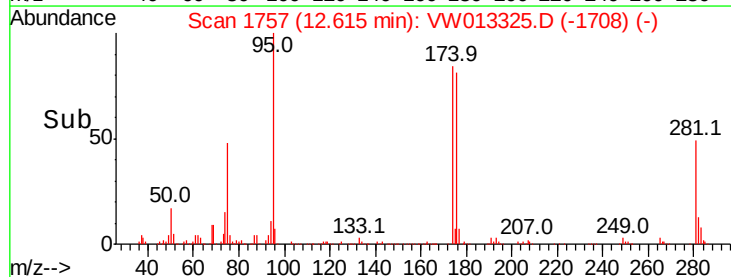
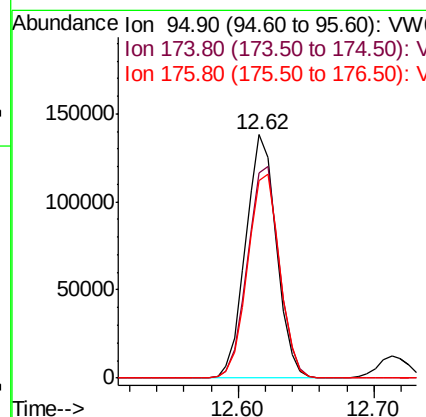
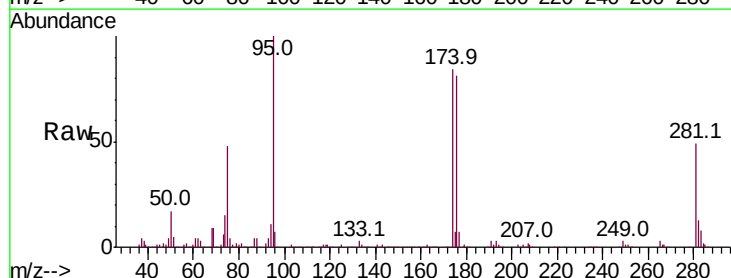
Instrument :
 MSVOA_W
 ClientSampleId :

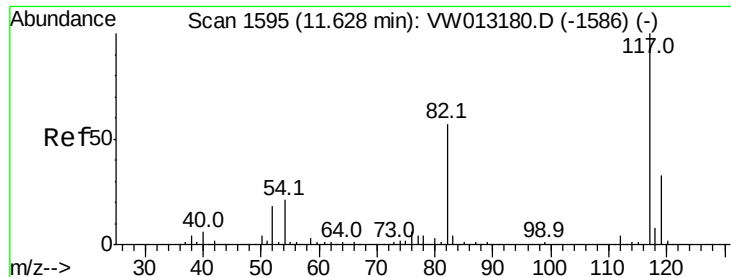
Tot Ion:107 Resp: 117116
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.780 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 95 Resp: 219109
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.4
 176 87.3 0.0 172.2

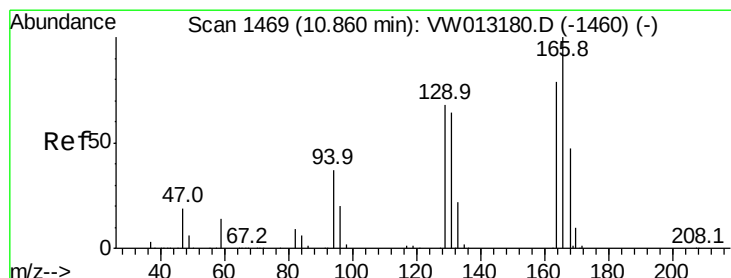
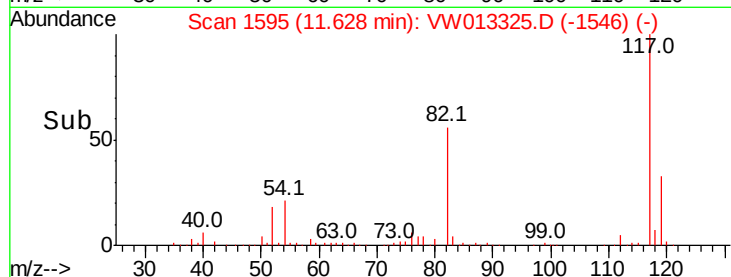
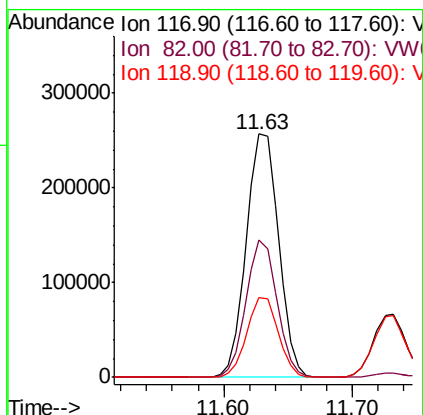
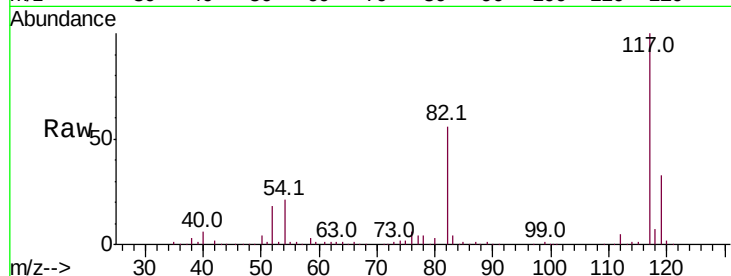




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

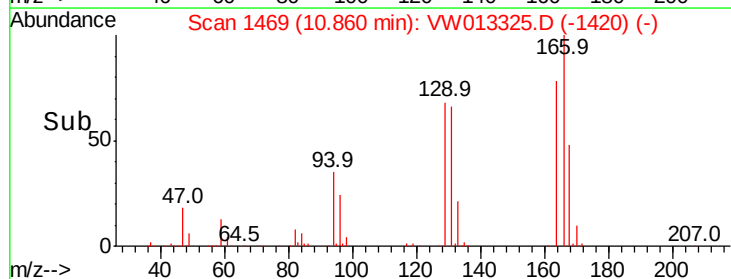
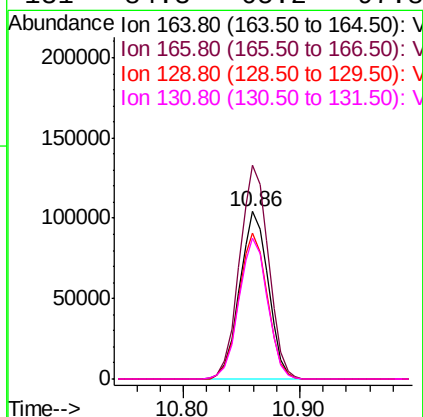
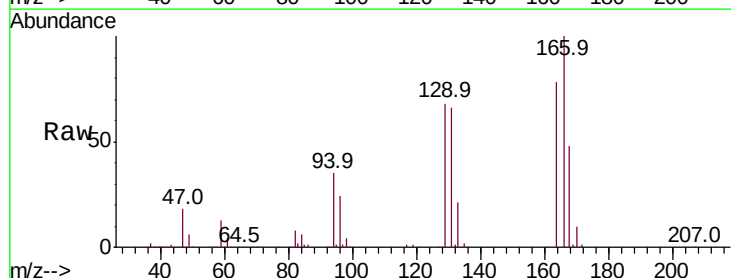
Instrument :
MSVOA_W
ClientSampleId :

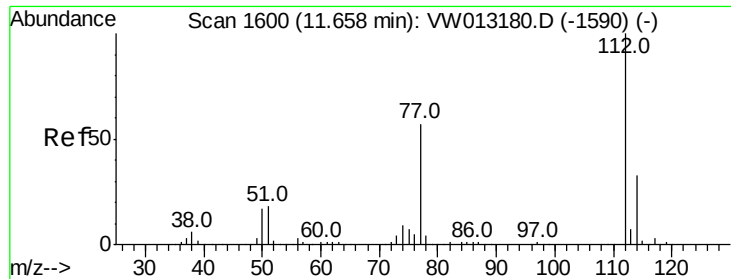
Tot Ion:117 Resp: 446204
Ion Ratio Lower Upper
117 100
82 56.4 45.9 68.9
119 33.0 26.2 39.2



#64
Tetrachloroethene
Concen: 52.808 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:164 Resp: 178781
Ion Ratio Lower Upper
164 100
166 127.4 101.2 151.8
129 87.0 68.8 103.2
131 84.3 65.2 97.8

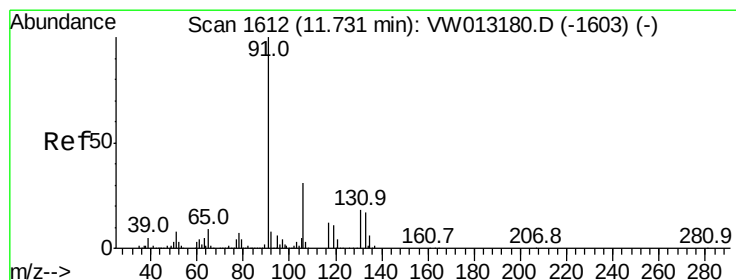
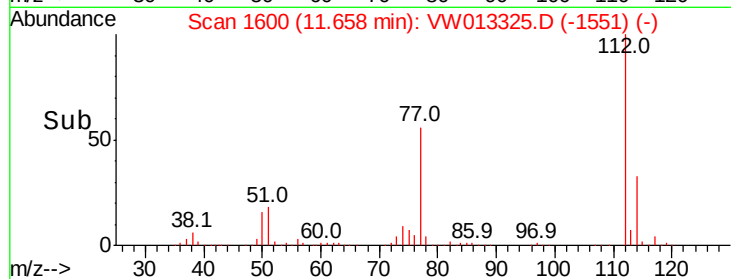
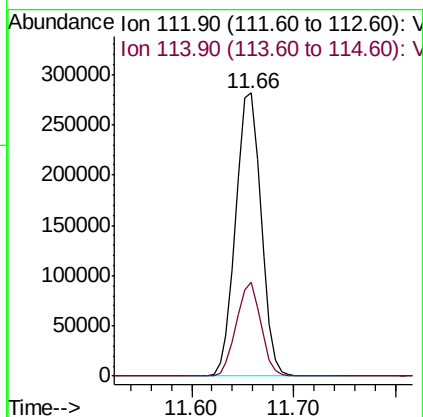
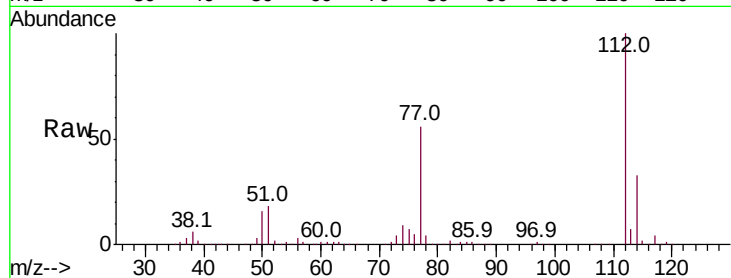




#65
Chlorobenzene
Concen: 52.026 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

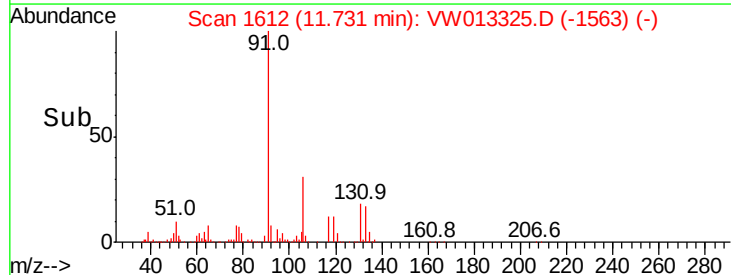
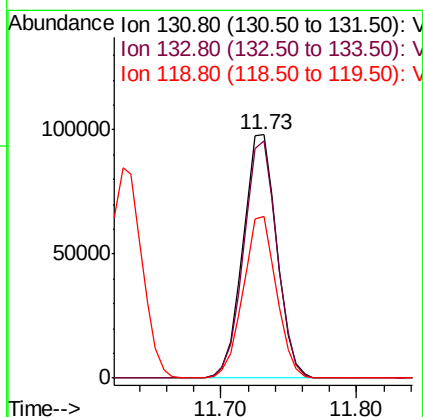
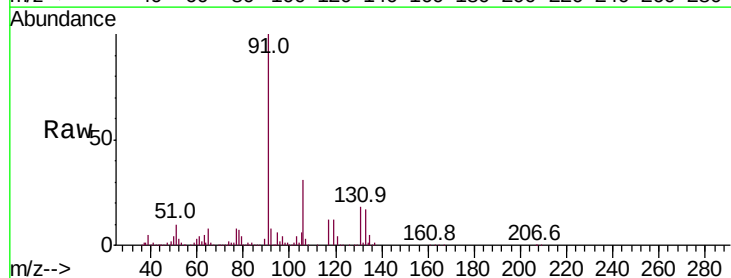
Instrument :
MSVOA_W
ClientSampleId :

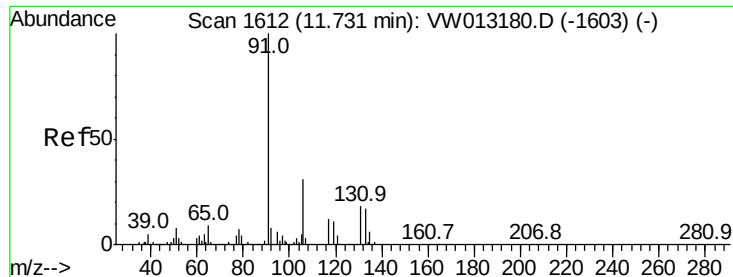
Tot Ion:112 Resp: 484758
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.540 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:131 Resp: 170428
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 65.3 32.5 97.5





#67

Ethyl Benzene

Concen: 52.872 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

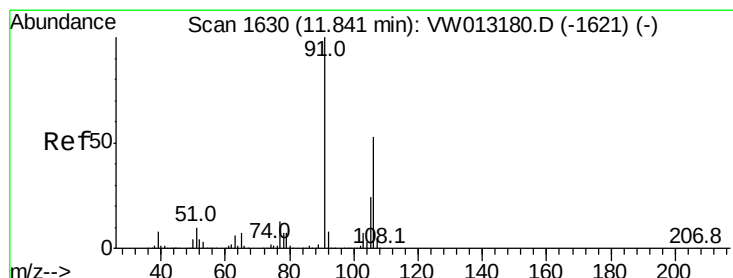
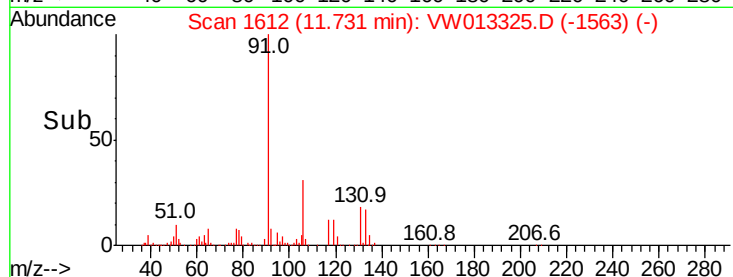
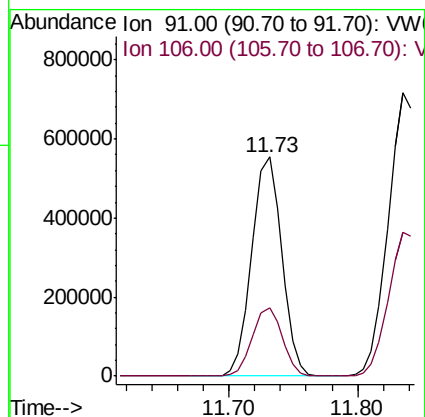
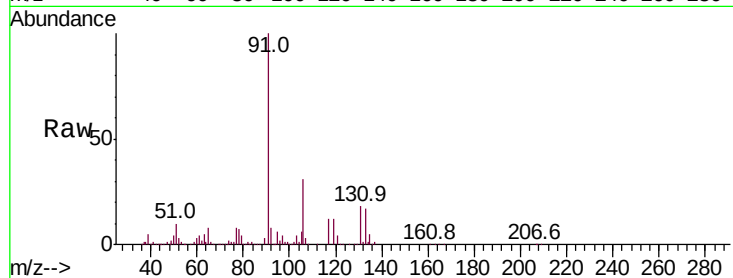
ClientSampled :

Tot Ion: 91 Resp: 892612

Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3



#68

m/p-Xylenes

Concen: 107.205 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013325.D

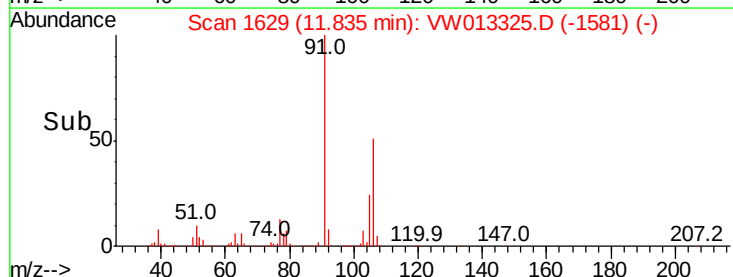
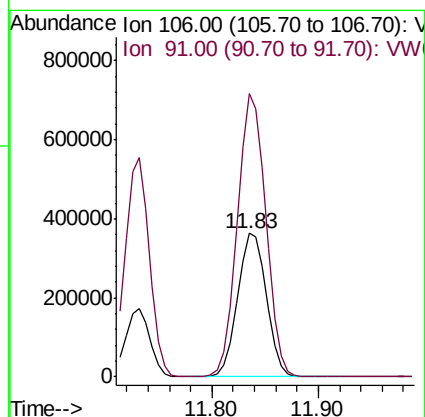
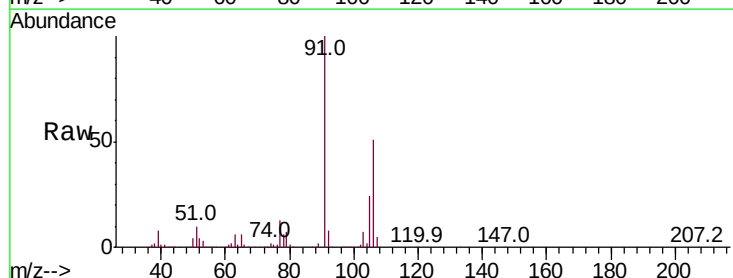
Acq: 30 Sep 2019 10:50

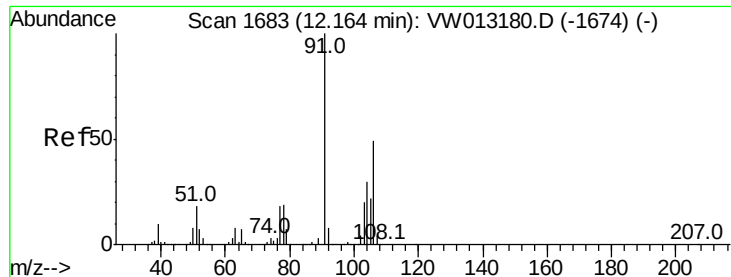
Tgt Ion: 106 Resp: 689681

Ion Ratio Lower Upper

106 100

91 195.2 157.9 236.9

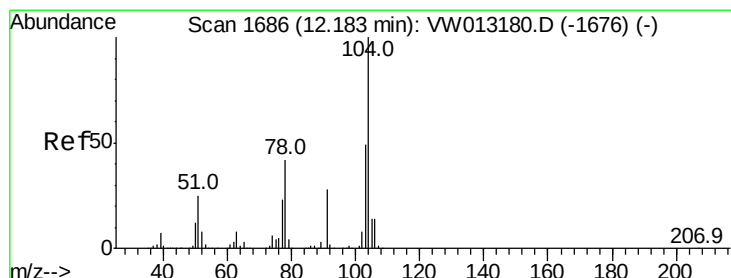
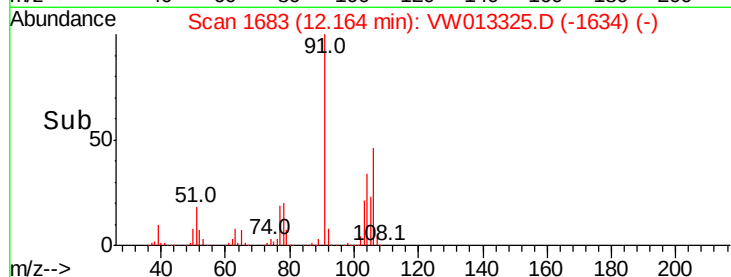
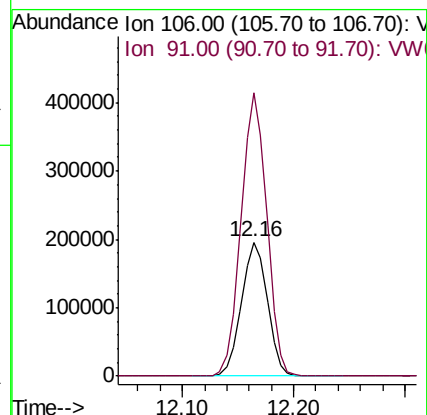
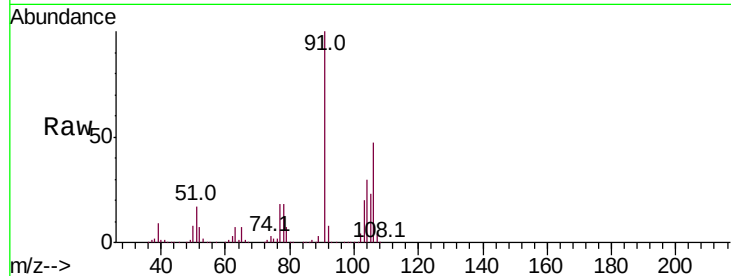




#69
o-Xylene
Concen: 52.669 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

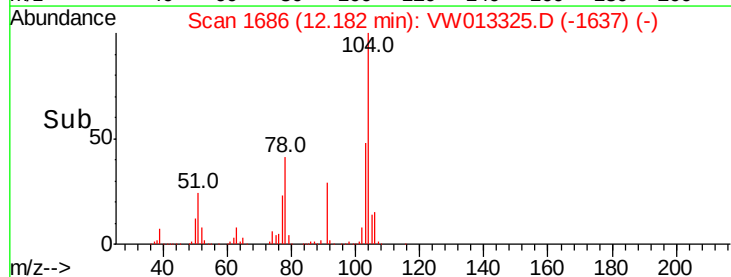
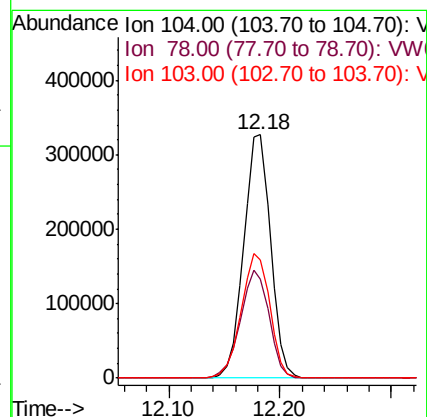
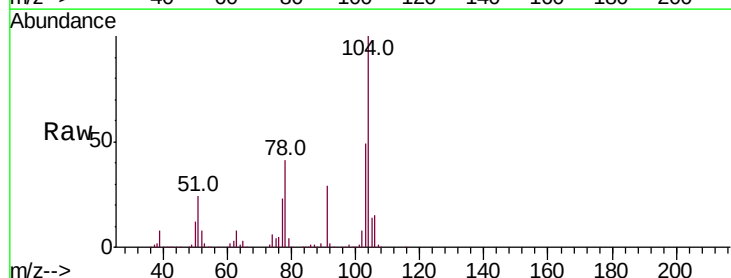
Instrument :
MSVOA_W
ClientSampleId :

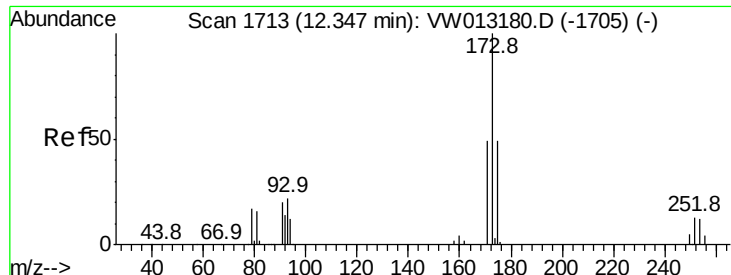
Tot Ion:106 Resp: 315021
Ion Ratio Lower Upper
106 100
91 210.3 106.5 319.5



#70
Styrene
Concen: 53.229 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:104 Resp: 546580
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 54.4 43.3 64.9





#71

Bromoform

Concen: 53.016 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

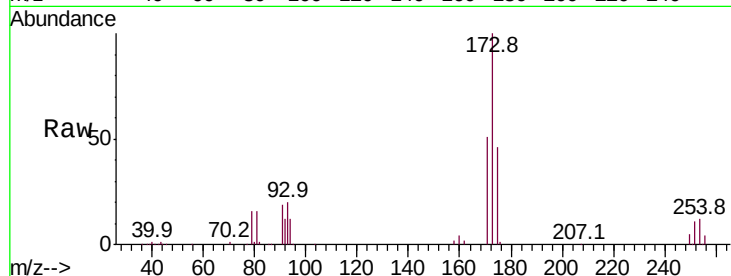
Tot Ion:173 Resp: 89156

Ion Ratio Lower Upper

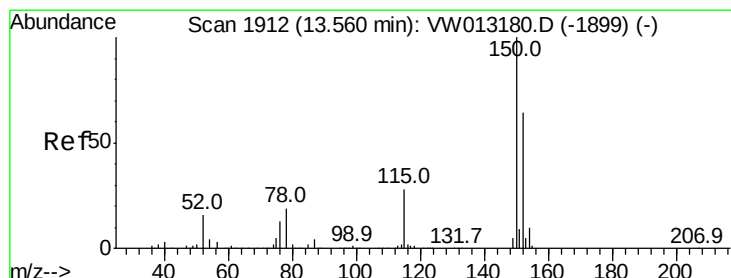
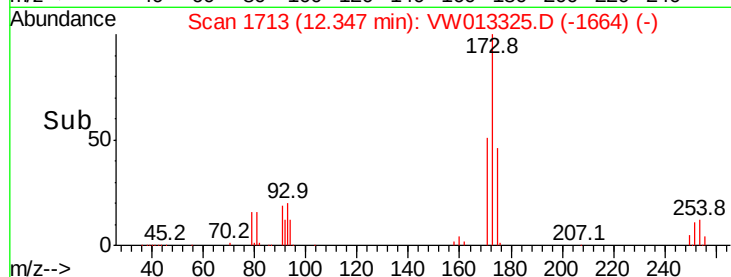
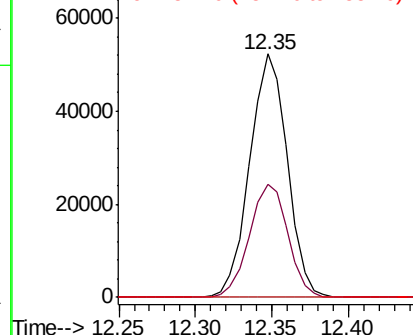
173 100

175 47.5 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: VW013325.D

Acq: 30 Sep 2019 10:50

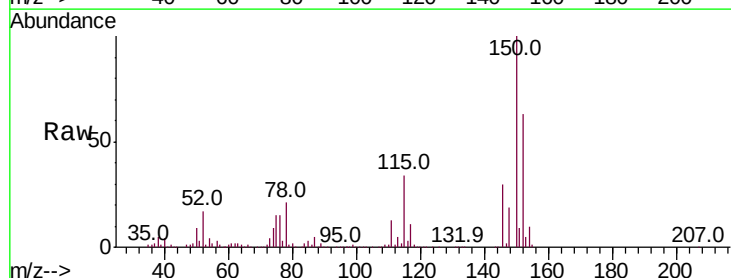
Tgt Ion:152 Resp: 225941

Ion Ratio Lower Upper

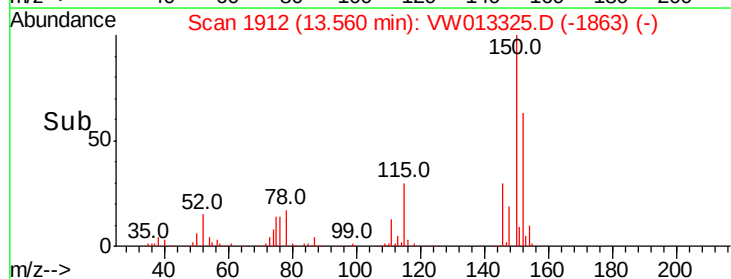
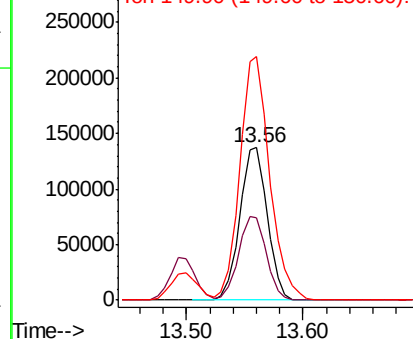
152 100

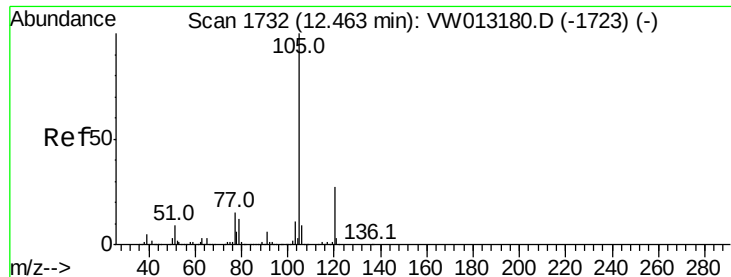
115 55.3 27.3 81.9

150 172.5 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: 53.017 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

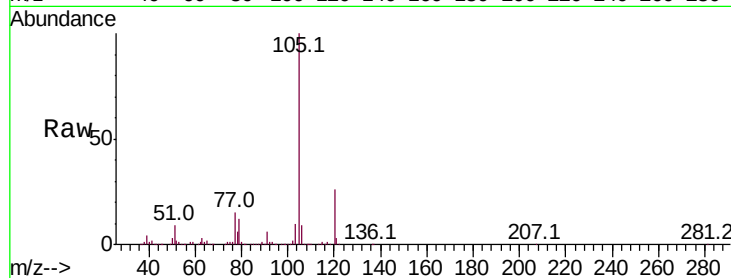
ClientSampleId :

Tot Ion:105 Resp: 884887

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

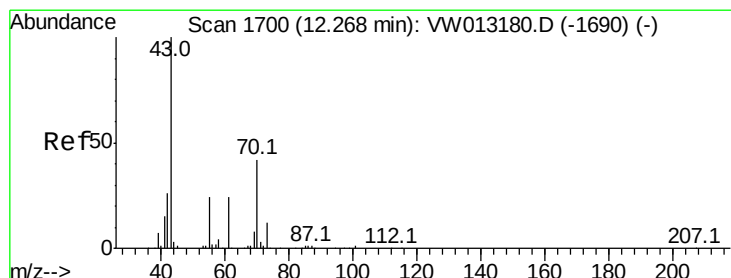
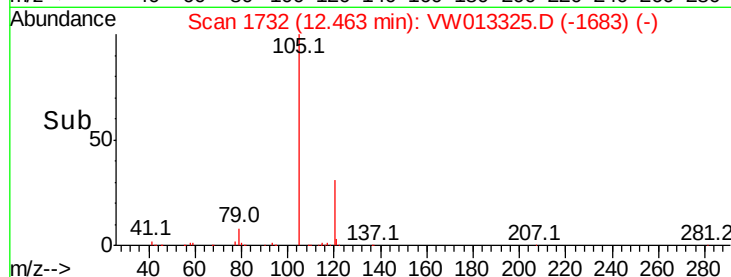
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 48.634 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion: 43 Resp: 180123

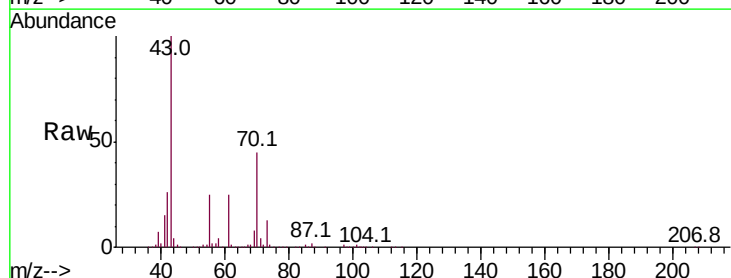
Ion Ratio Lower Upper

43 100

70 45.3 35.1 52.7

55 24.3 19.9 29.9

61 25.5 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

12.27

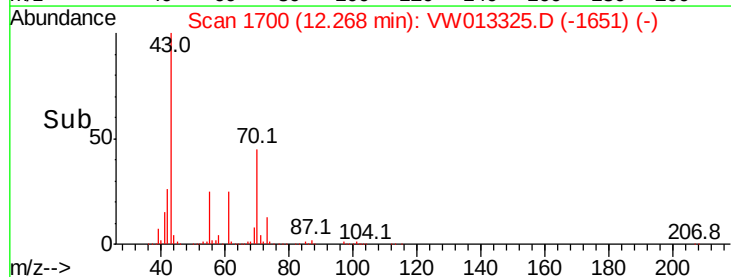
150000

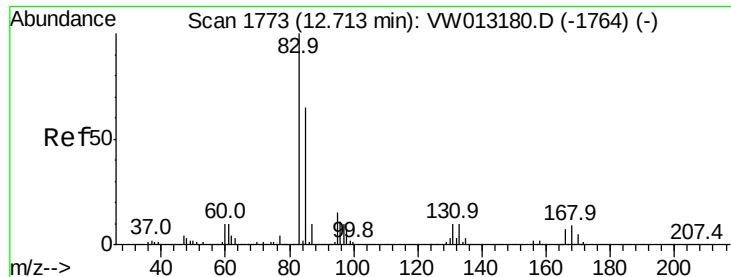
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.836 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

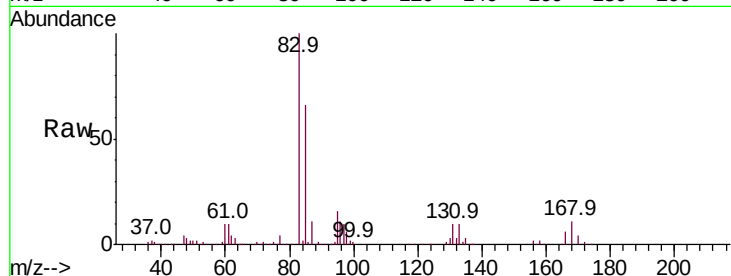
Tot Ion: 83 Resp: 133528

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.4	16.2
85	64.2	31.9	95.9

83 100

131 11.1 5.4 16.2

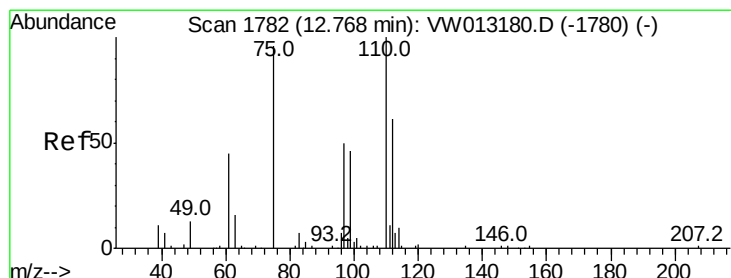
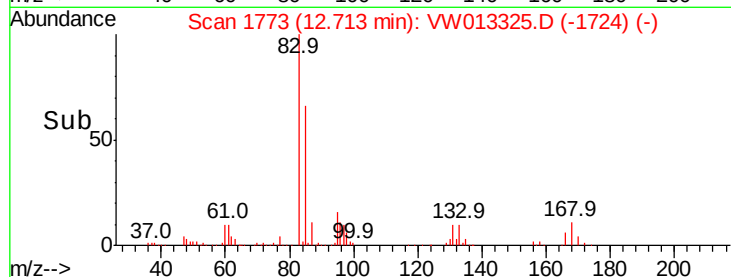
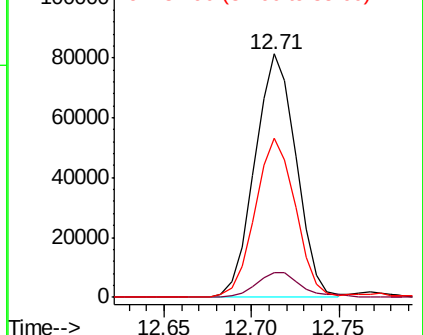
85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 87.325 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013325.D

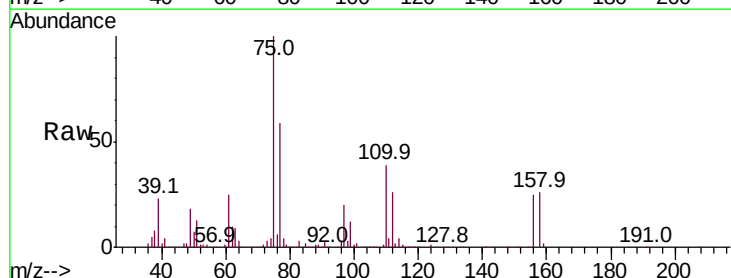
Acq: 30 Sep 2019 10:50

Tgt Ion: 75 Resp: 174245

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

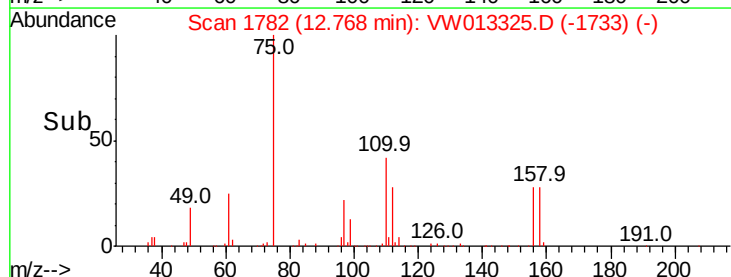
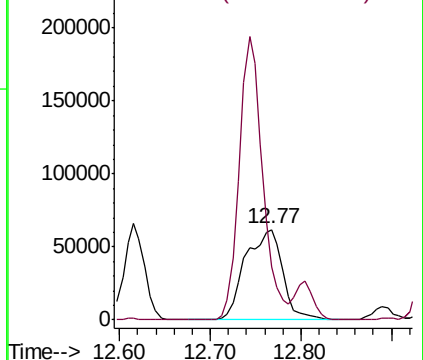
75 100

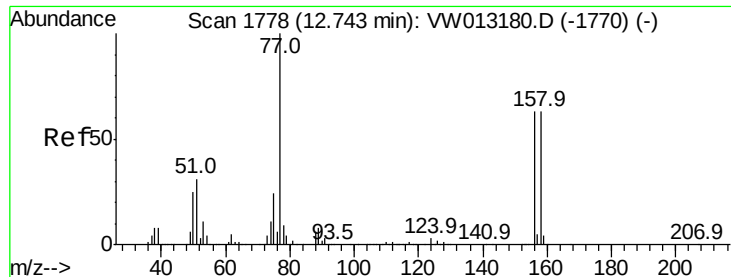
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.233 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampled :

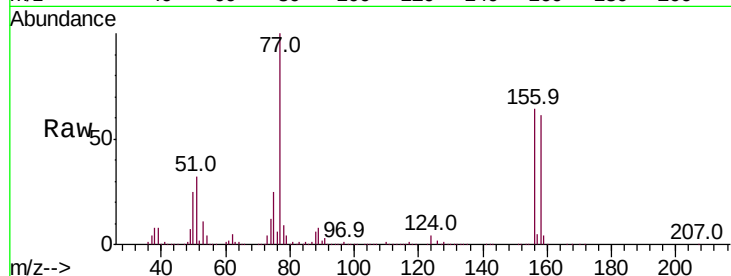
Tot Ion:156 Resp: 206590

Ion Ratio Lower Upper

156 100

77 169.6 85.7 257.1

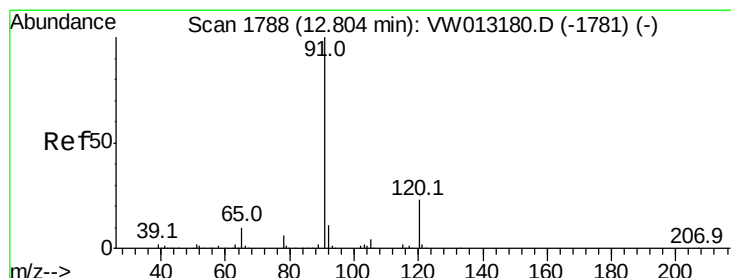
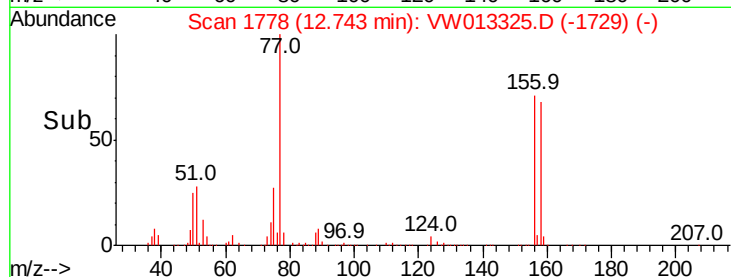
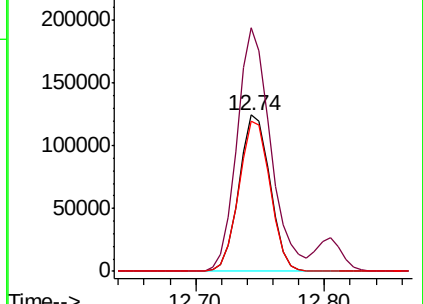
158 96.8 48.1 144.4



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: 53.210 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013325.D

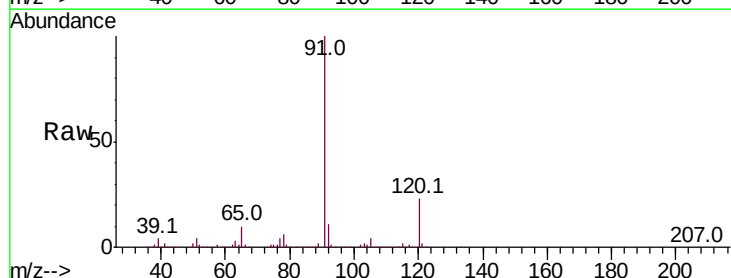
Acq: 30 Sep 2019 10:50

Tgt Ion: 91 Resp: 1039545

Ion Ratio Lower Upper

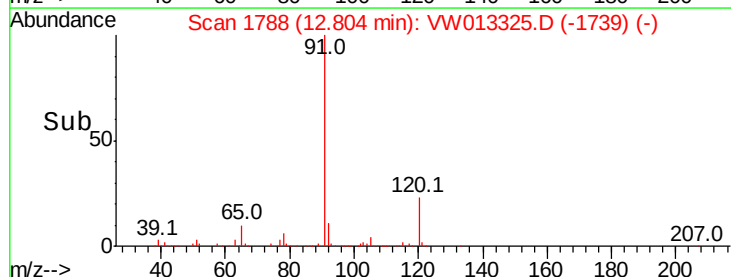
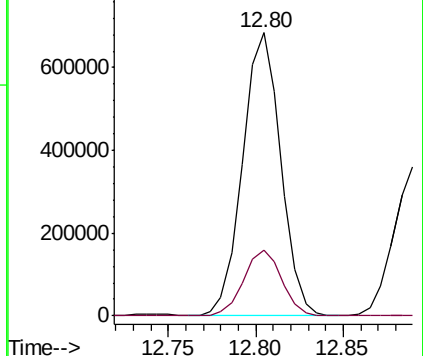
91 100

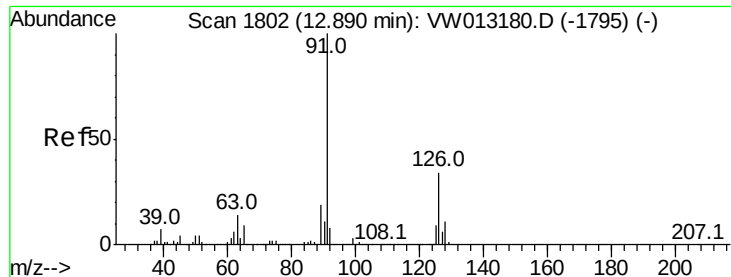
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.580 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

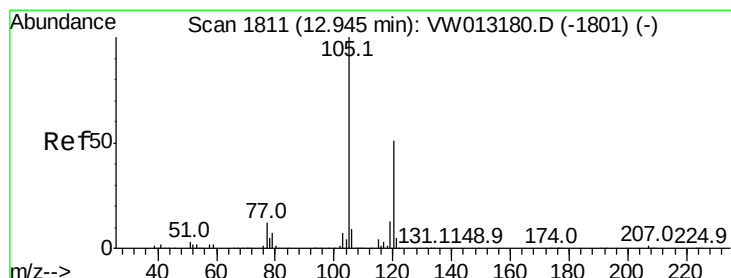
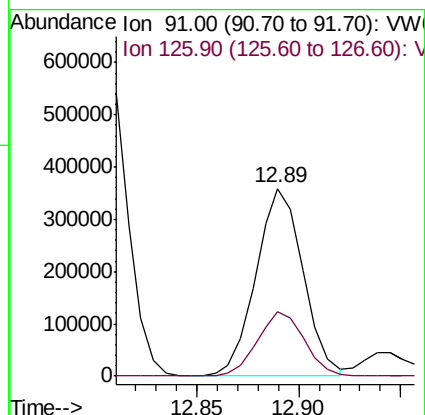
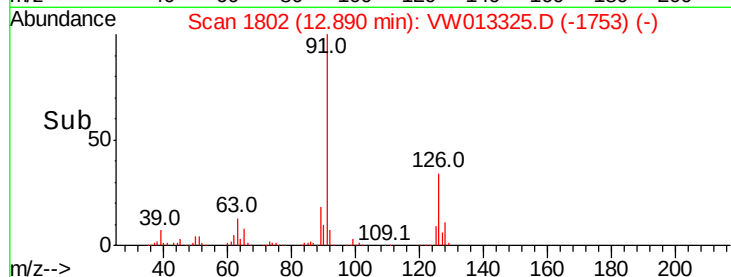
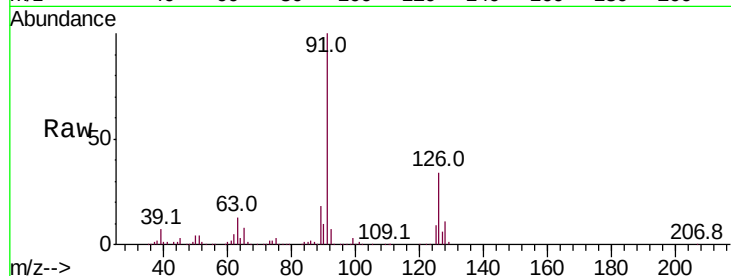
ClientSampleId :

Tot Ion: 91 Resp: 575492

Ion Ratio Lower Upper

91 100

126 34.2 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 52.656 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013325.D

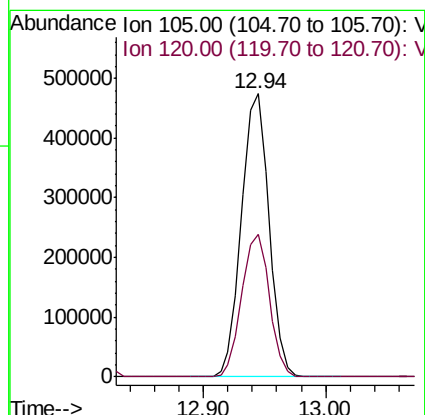
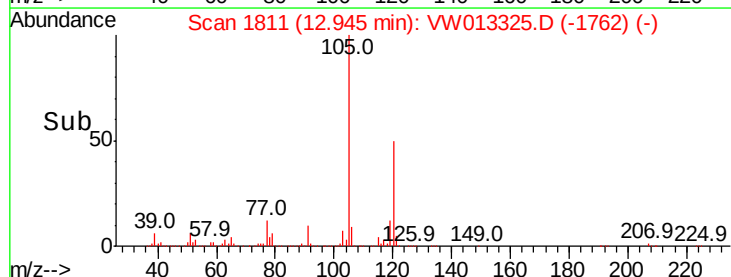
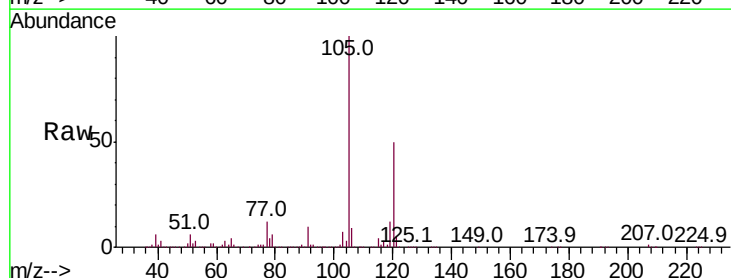
Acq: 30 Sep 2019 10:50

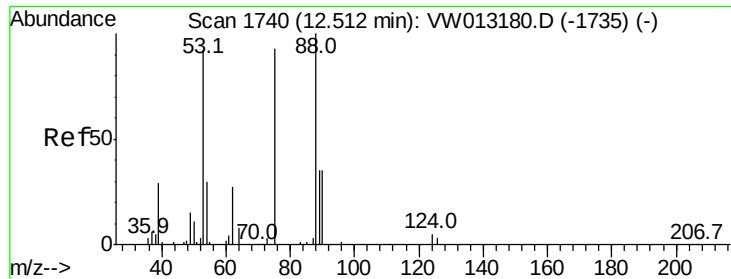
Tgt Ion: 105 Resp: 738774

Ion Ratio Lower Upper

105 100

120 50.8 24.9 74.8

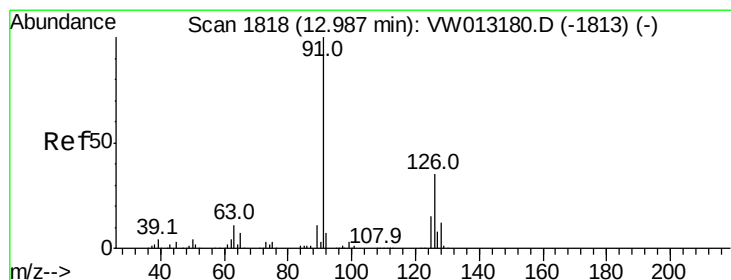
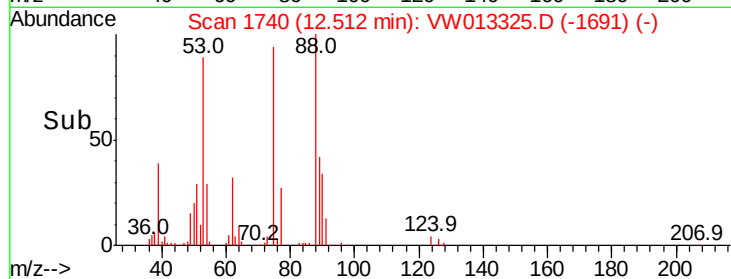
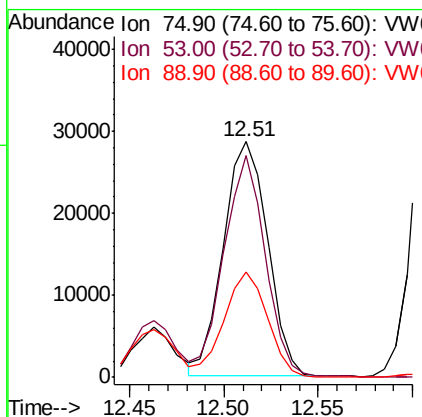
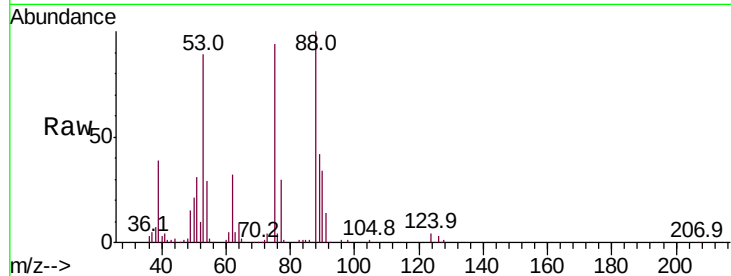




#81
trans-1,4-Dichloro-2-butene
Concen: 52.338 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

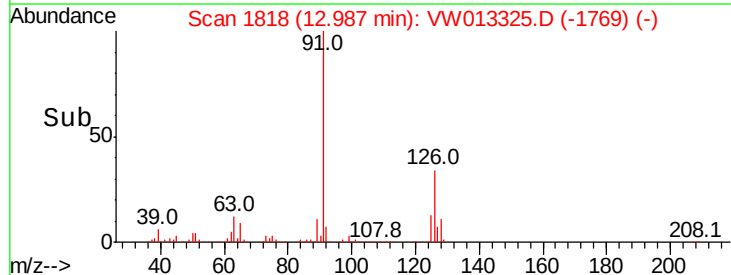
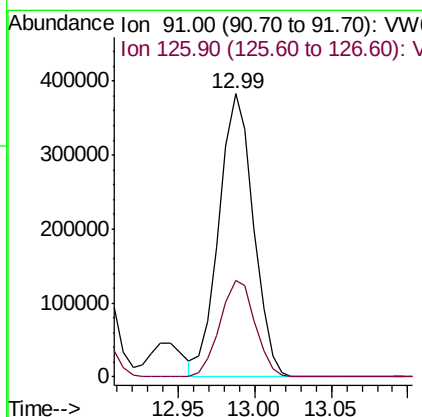
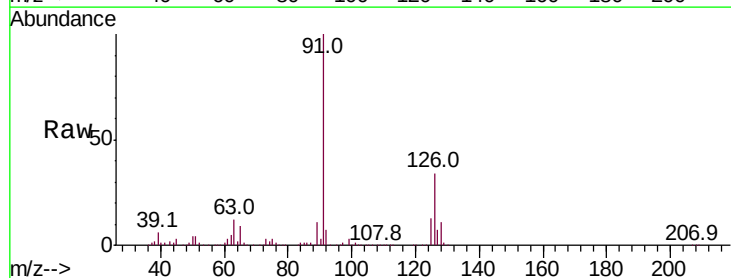
Instrument :
MSVOA_W
ClientSampleId :

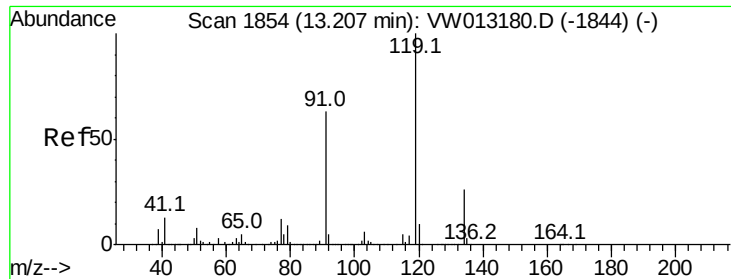
Tot Ion: 75 Resp: 46541
Ion Ratio Lower Upper
75 100
53 89.6 76.6 114.8
89 44.7 33.5 50.3



#82
4-Chlorotoluene
Concen: 51.985 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 91 Resp: 600016
Ion Ratio Lower Upper
91 100
126 34.9 17.3 51.7

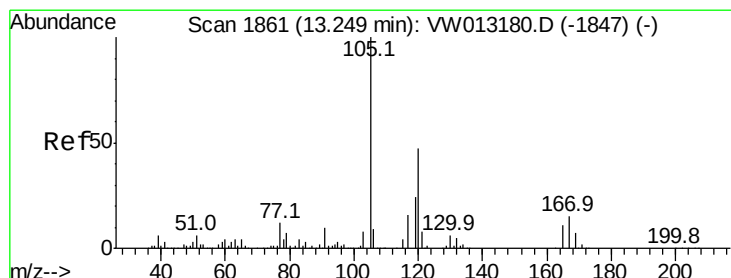
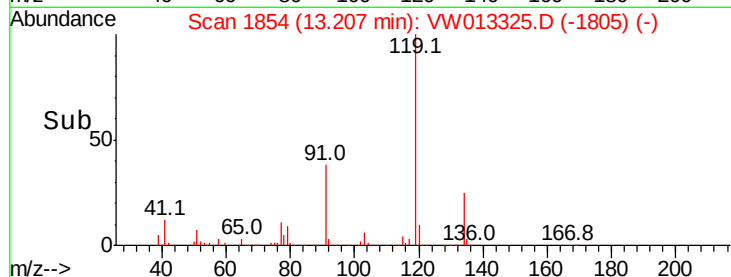
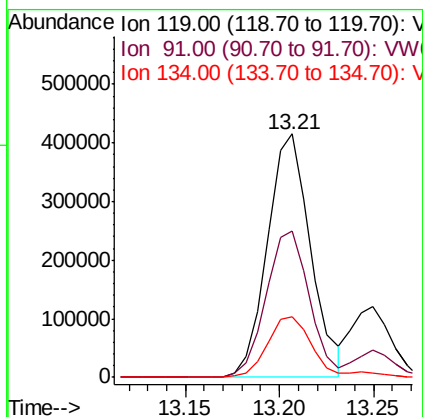
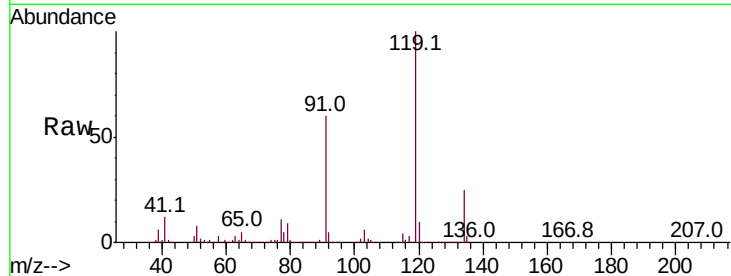




#83
 tert-Butylbenzene
 Concen: 53.685 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

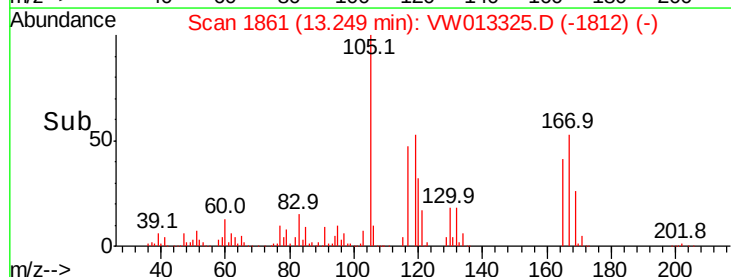
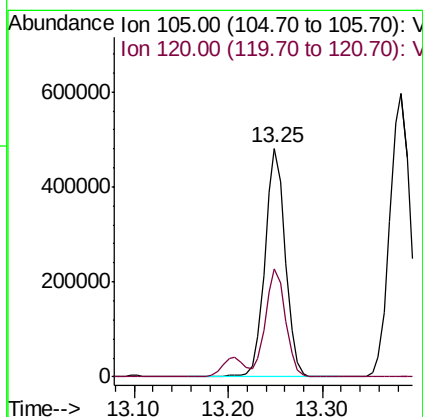
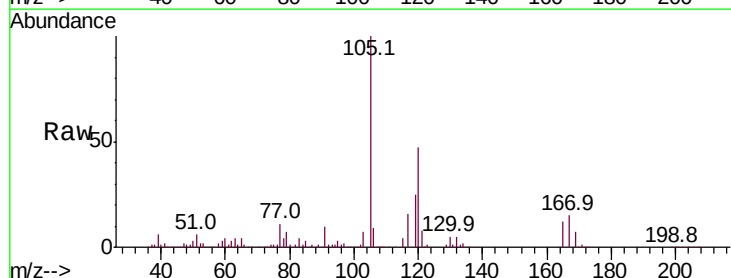
Instrument :
 MSVOA_W
 ClientSampleId :

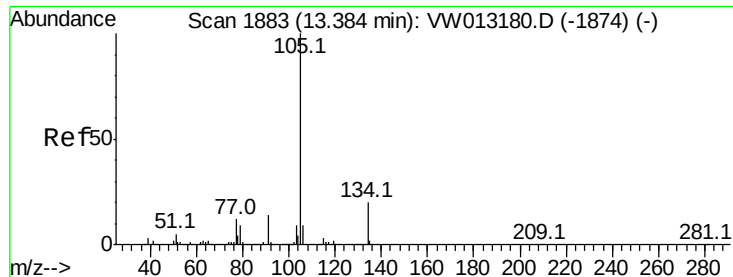
Tot Ion:119 Resp: 661099
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.7 92.1
 134 26.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.421 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion:105 Resp: 731859
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 53.521 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

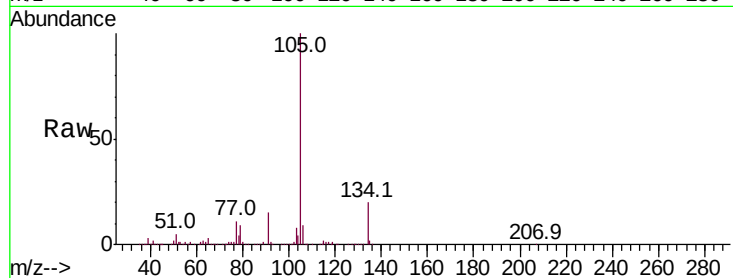
ClientSampled :

Tot Ion:105 Resp: 908656

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

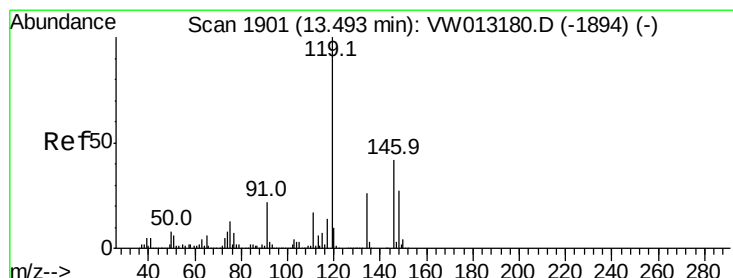
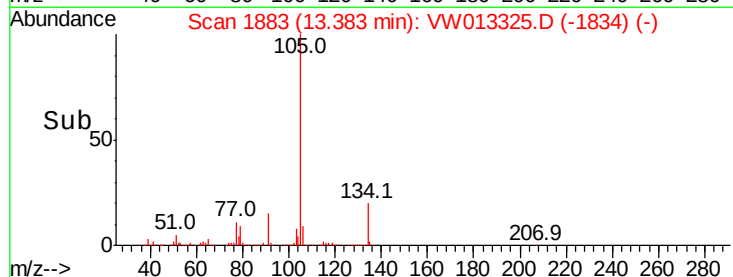
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 53.543 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

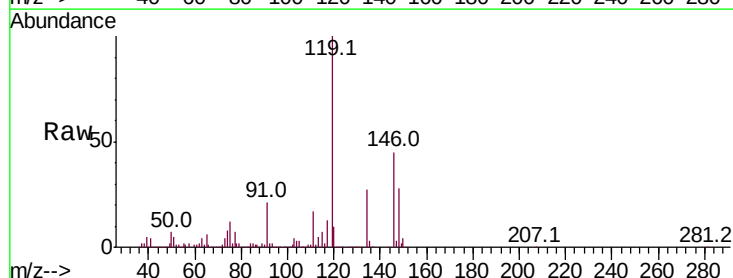
Tgt Ion:119 Resp: 843133

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.5 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

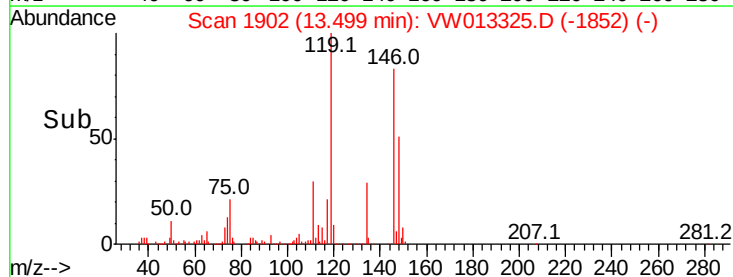
600000

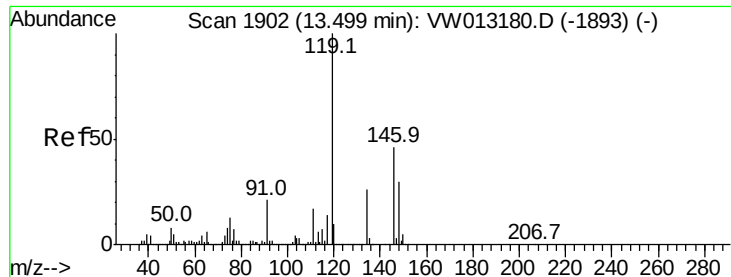
400000

200000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 52.404 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

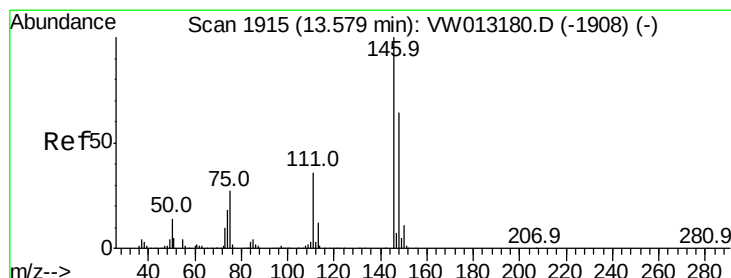
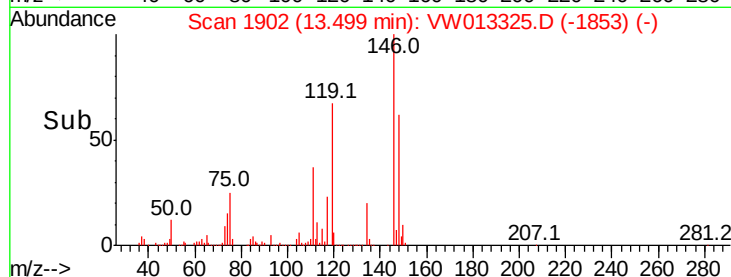
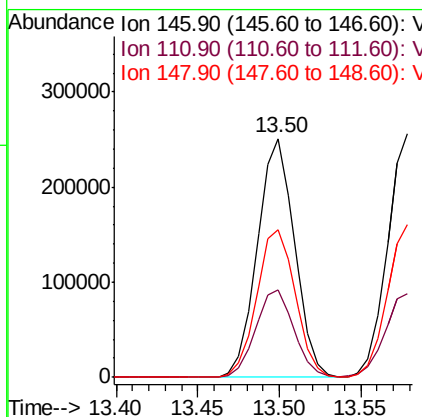
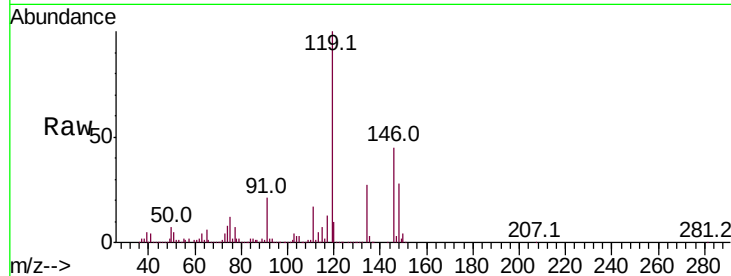
Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:146 Resp: 398901

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.1	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 52.687 ug/l

RT: 13.58 min Scan# 1915

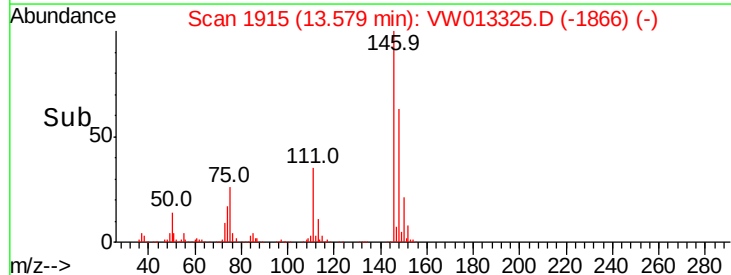
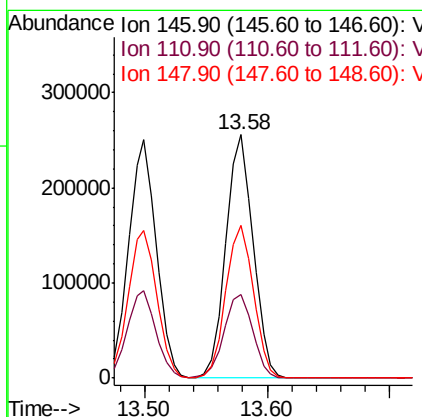
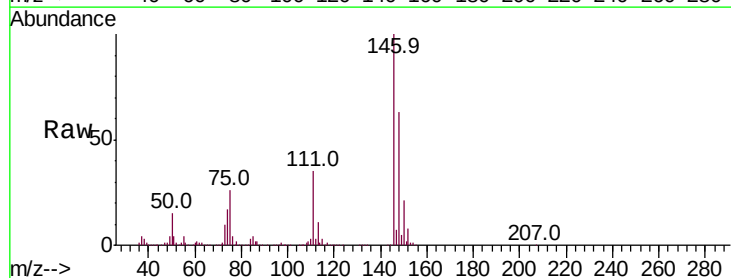
Delta R.T. -0.00 min

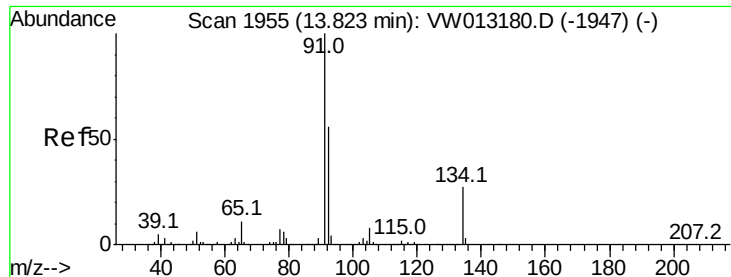
Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:146 Resp: 393329

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 54.034 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

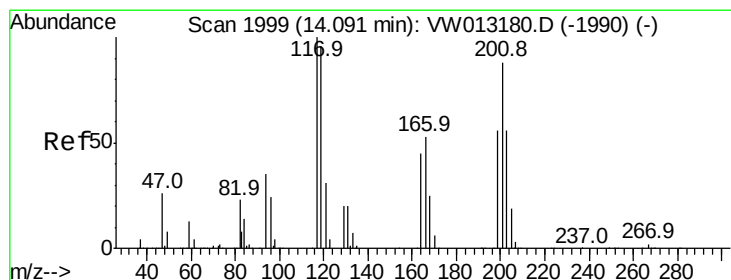
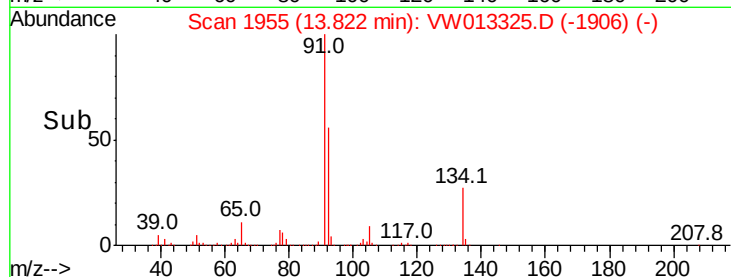
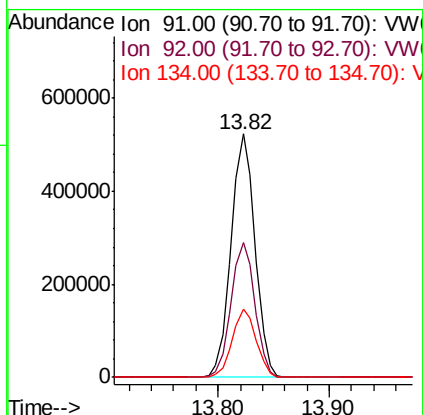
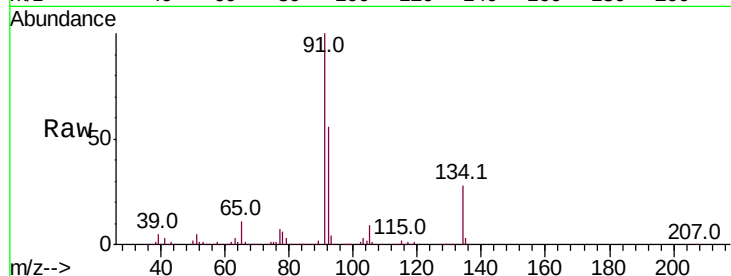
Tot Ion: 91 Resp: 776934

Ion Ratio Lower Upper

91 100

92 55.3 27.6 82.8

134 27.7 13.7 41.1



#90

Hexachloroethane

Concen: 55.127 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013325.D

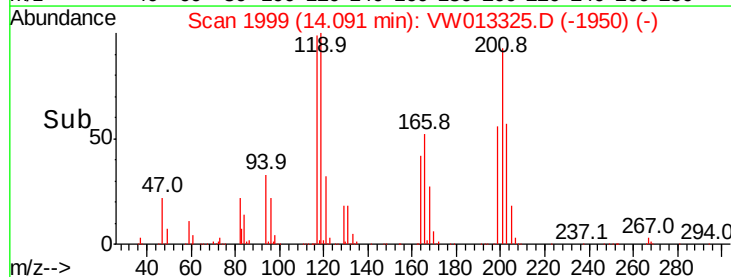
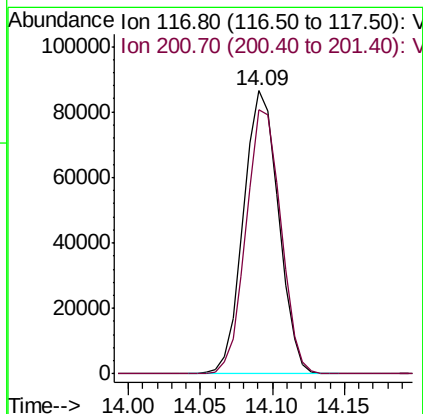
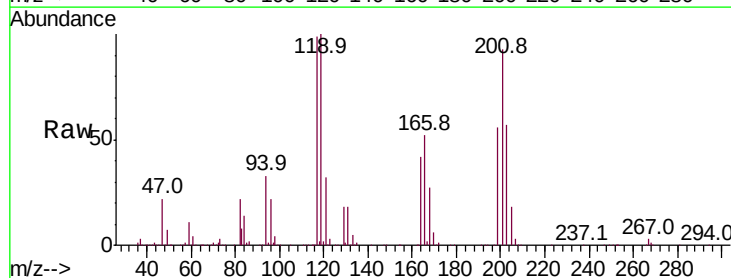
Acq: 30 Sep 2019 10:50

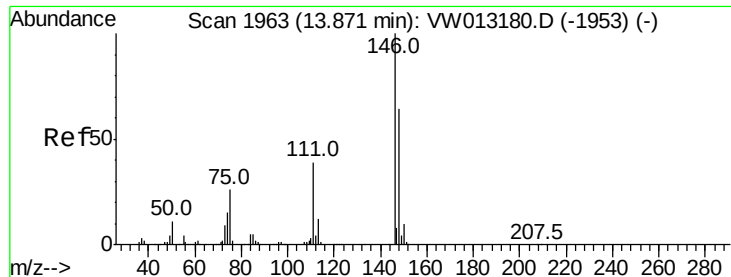
Tgt Ion: 117 Resp: 145829

Ion Ratio Lower Upper

117 100

201 92.4 44.5 133.5

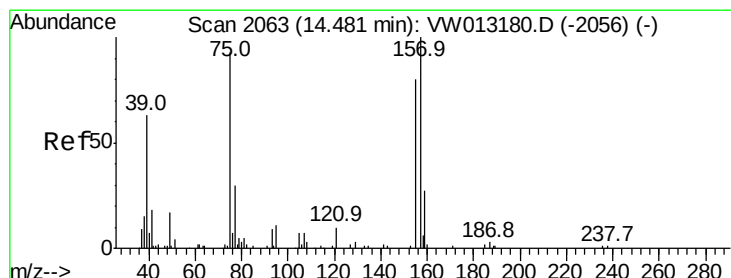
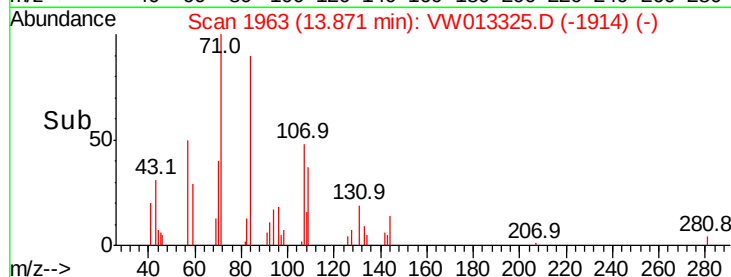
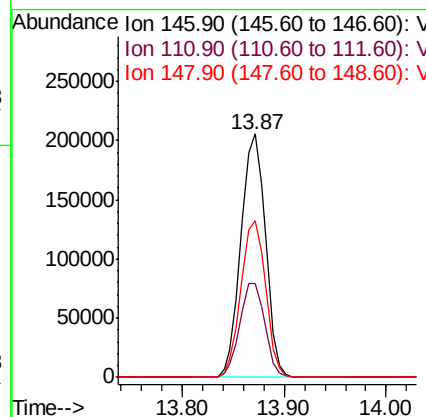
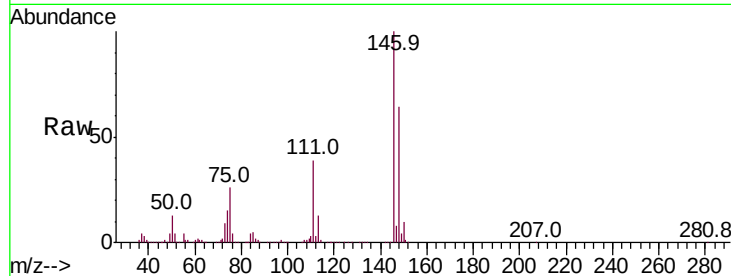




#91
 1,2-Dichlorobenzene
 Concen: 52.068 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

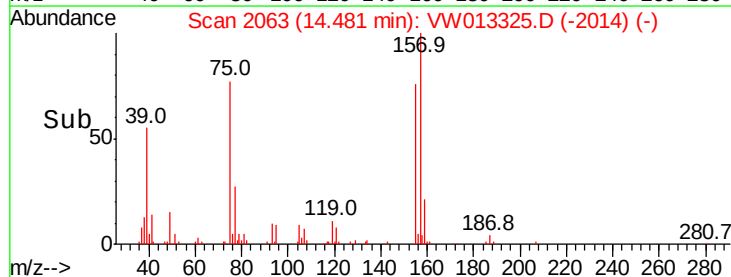
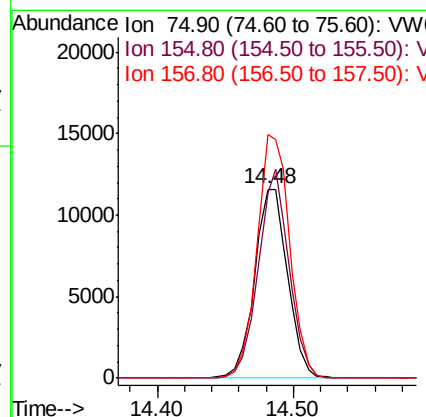
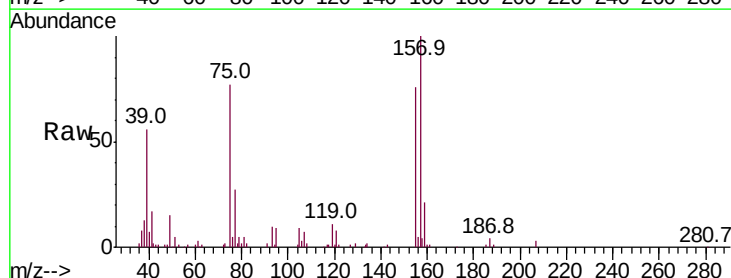
Instrument :
 MSVOA_W
 ClientSampleId :

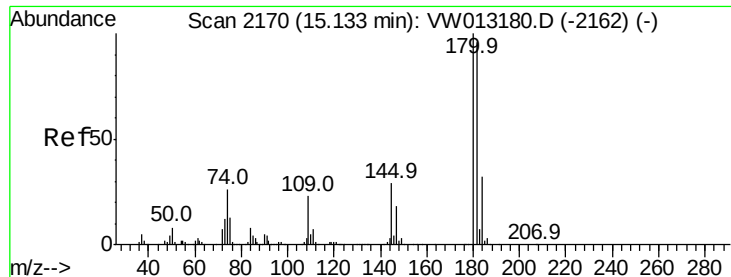
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.3
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.270 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	46.1	138.3
157	127.2	60.4	181.2

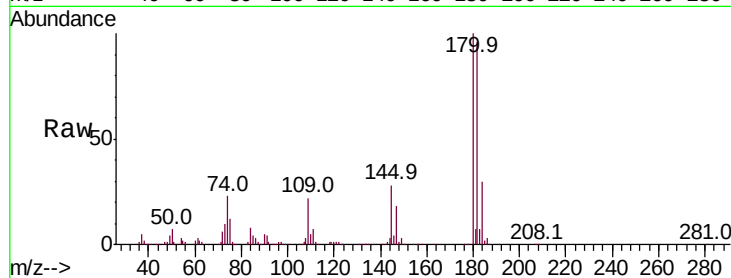




#93
 1,2,4-Trichlorobenzene
 Concen: 54.771 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	28.0	14.2	42.8

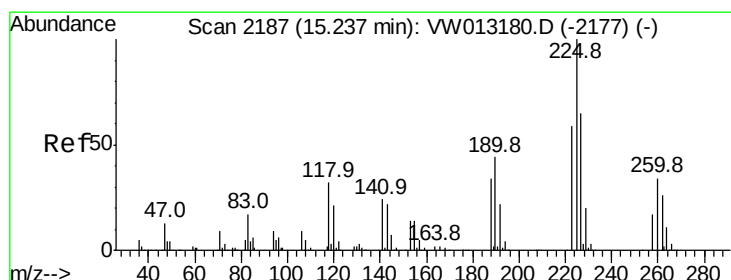
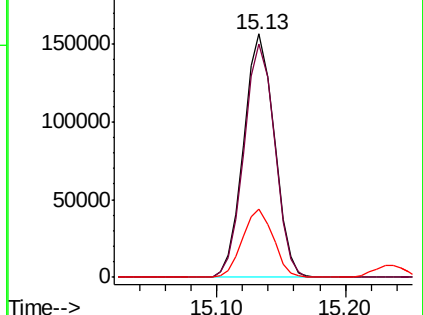
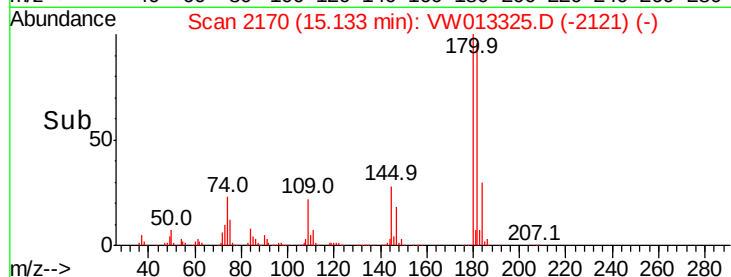


Abundance

Ion 179.80 (179.50 to 180.50): V

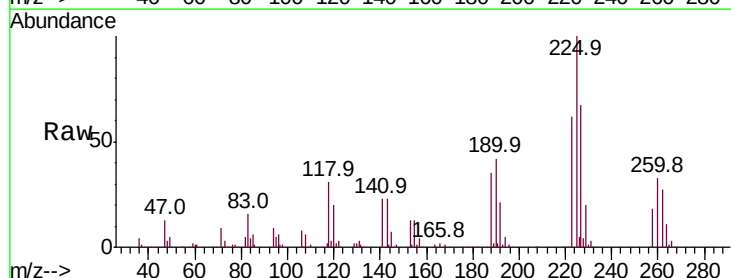
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.964 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.6	91.8
227	65.2	31.9	95.9

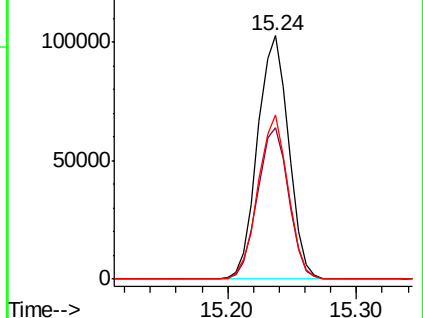
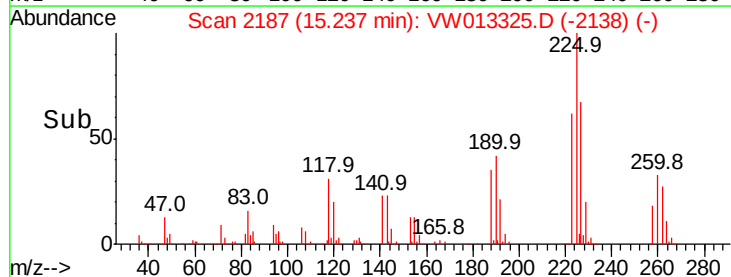


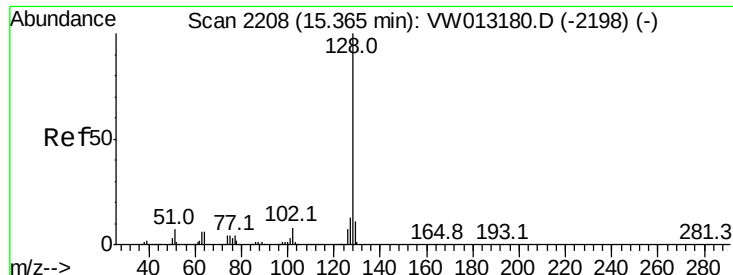
Abundance

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

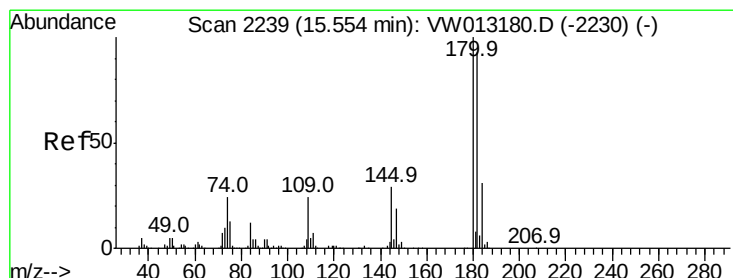
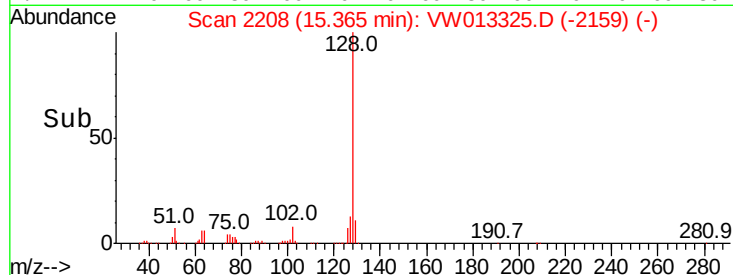
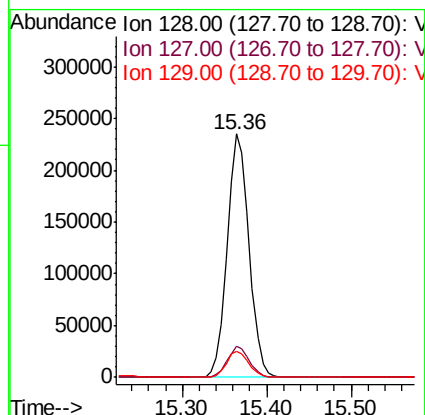
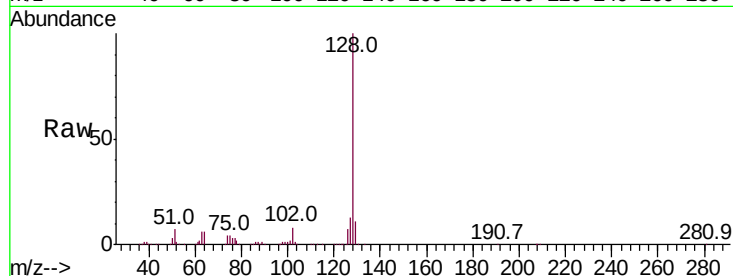




#95
Naphthalene
Concen: 53.754 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 414869
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.043 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:180 Resp: 220360
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.7
145 29.6 15.0 45.0

