

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013188.D
 Acq On : 20 Sep 2019 17:59
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:53:15 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	287033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	349748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	114792	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	7.88	113	106917	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.32	98	450699	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	154263	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36348	21.953	ug/l	98
3) Chloromethane	2.21	50	43441	20.410	ug/l	100
4) Vinyl Chloride	2.36	62	57217	20.852	ug/l	99
5) Bromomethane	2.76	94	34547	19.868	ug/l	85
6) Chloroethane	2.91	64	32307	19.975	ug/l	97
7) Trichlorofluoromethane	3.25	101	29290	18.512	ug/l	96
8) Diethyl Ether	3.68	74	28299	20.940	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53145	20.631	ug/l	99
10) Methyl Iodide	4.27	142	76296	19.104	ug/l	100
11) Tert butyl alcohol	5.18	59	30257	176.448	ug/l	96
12) 1,1-Dichloroethene	4.04	96	54110	20.285	ug/l	97
13) Acrolein	3.90	56	16988	125.974	ug/l	95
14) Allyl chloride	4.66	41	83140	19.584	ug/l	99
15) Acrylonitrile	5.37	53	75787	129.925	ug/l	97
16) Acetone	4.13	43	67947	128.618	ug/l	97
17) Carbon Disulfide	4.38	76	152715	19.808	ug/l	99
18) Methyl Acetate	4.67	43	40124	27.020	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	88345	21.610	ug/l	96
20) Methylene Chloride	4.91	84	59650	20.356	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	57074	19.797	ug/l	99
22) Diisopropyl ether	6.31	45	163262	20.224	ug/l	95
23) Vinyl Acetate	6.25	43	540369	112.832	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95707	19.647	ug/l	99
25) 2-Butanone	7.17	43	109445	138.007	ug/l	97
26) 2,2-Dichloropropane	7.16	77	64134	20.005	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59206	19.459	ug/l	95
28) Bromochloromethane	7.51	49	33281	17.801	ug/l	98
29) Tetrahydrofuran	7.53	42	66761	137.270	ug/l	99
30) Chloroform	7.67	83	92255	19.344	ug/l	100
31) Cyclohexane	7.95	56	105071	20.692	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	77056	19.949	ug/l	100
36) 1,1-Dichloropropene	8.08	75	82061	21.275	ug/l	99
37) Ethyl Acetate	7.26	43	43229	26.371	ug/l	97
38) Carbon Tetrachloride	8.06	117	72531	20.977	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013188.D
 Acq On : 20 Sep 2019 17:59
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:53:15 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	9.33	83	106806	21.547	ug/l	96
40) Benzene	8.32	78	226090	21.015	ug/l	99
41) Methacrylonitrile	7.48	41	25323	25.883	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62895	21.747	ug/l	99
43) Isopropyl Acetate	8.42	43	79786	25.395	ug/l	97
44) Trichloroethene	9.09	130	62357	20.658	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53383	20.324	ug/l	99
46) Dibromomethane	9.46	93	28371	22.248	ug/l	98
47) Bromodichloromethane	9.64	83	65751	20.263	ug/l	97
48) Methyl methacrylate	9.43	41	36114	24.445	ug/l	97
49) 1,4-Dioxane	9.46	88	12106	632.433	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	215340	136.718	ug/l	99
52) Toluene	10.38	92	144833	21.005	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71176	21.350	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	84978	20.965	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43010	22.565	ug/l	95
56) Ethyl methacrylate	10.65	69	60580	24.285	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75287	22.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	138281	119.743	ug/l	100
59) 2-Hexanone	10.97	43	153764	141.896	ug/l	99
60) Dibromochloromethane	11.13	129	46407	21.442	ug/l	100
61) 1,2-Dibromoethane	11.23	107	41933	23.139	ug/l	99
64) Tetrachloroethene	10.86	164	55366	20.864	ug/l	97
65) Chlorobenzene	11.65	112	149211	20.430	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.73	131	50989	20.436	ug/l	97
67) Ethyl Benzene	11.73	91	272643	20.603	ug/l	97
68) m/p-Xylenes	11.83	106	209338	41.514	ug/l	99
69) o-Xylene	12.16	106	95129	20.291	ug/l	100
70) Styrene	12.18	104	162862	20.234	ug/l	99
71) Bromoform	12.35	173	29993	22.754	ug/l #	96
73) Isopropylbenzene	12.46	105	273322	20.620	ug/l	99
74) N-amyl acetate	12.27	43	70525	23.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53571	24.165	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	66442	41.928	ug/l #	100
77) Bromobenzene	12.74	156	65196	20.756	ug/l	97
78) n-propylbenzene	12.80	91	321708	20.734	ug/l	99
79) 2-Chlorotoluene	12.89	91	178971	20.589	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	229259	20.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17098	24.211	ug/l	99
82) 4-Chlorotoluene	12.99	91	186697	20.367	ug/l	99
83) tert-Butylbenzene	13.21	119	201220	20.575	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	228435	20.602	ug/l	99
85) sec-Butylbenzene	13.38	105	282389	20.944	ug/l	100
86) p-Isopropyltoluene	13.49	119	258069	20.636	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	122895	20.329	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	122512	20.663	ug/l	98
89) n-Butylbenzene	13.82	91	237365	20.787	ug/l	100
90) Hexachloroethane	14.09	117	40330	19.197	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	111478	21.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8995	26.528	ug/l	97

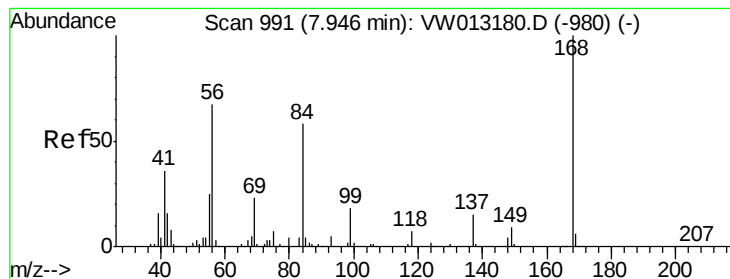
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013188.D
Acq On : 20 Sep 2019 17:59
Operator : SY/VA
Sample : VW0920SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 21 04:53:15 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)
93) 1,2,4-Trichlorobenzene	15.13	180	78174	20.859	ug/l	98
94) Hexachlorobutadiene	15.24	225	52148	20.339	ug/l	98
95) Naphthalene	15.36	128	148186	24.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	69225	21.377	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

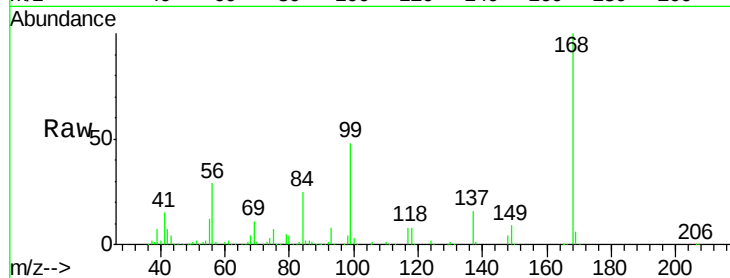
ClientSampleId :

Tot Ion:168 Resp: 287033

Ion Ratio Lower Upper

168 100

99 48.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

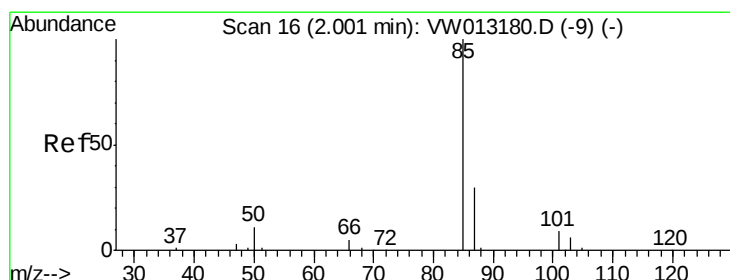
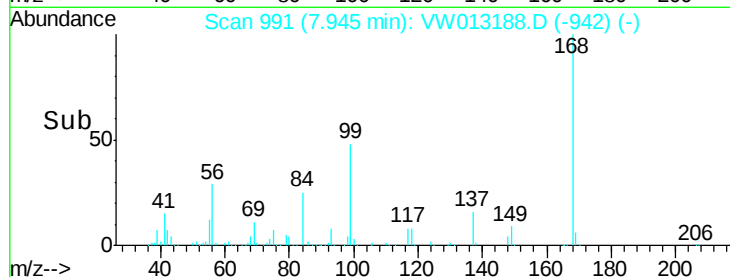
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.953 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013188.D

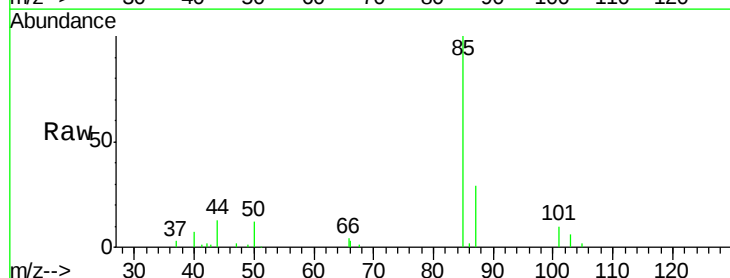
Acq: 20 Sep 2019 17:59

Tgt Ion: 85 Resp: 36348

Ion Ratio Lower Upper

85 100

87 29.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

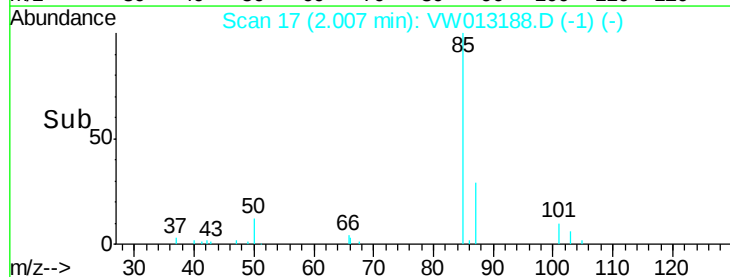
2.01

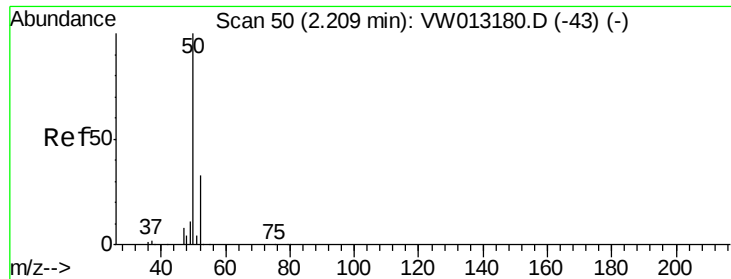
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.410 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

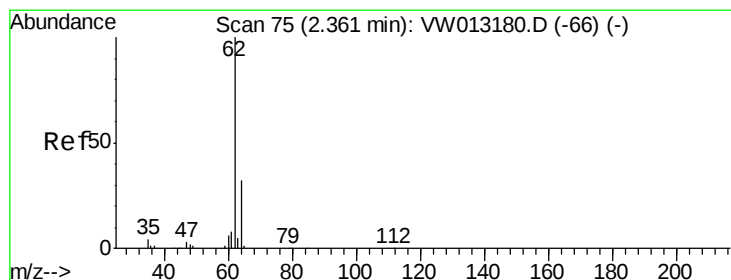
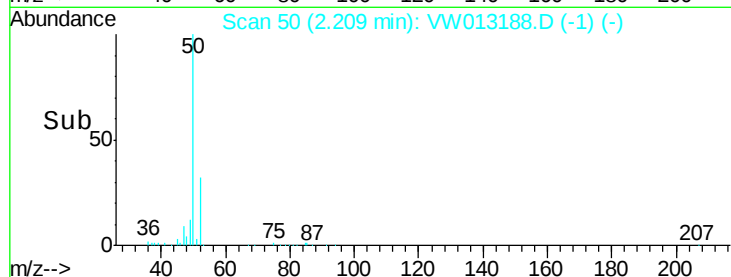
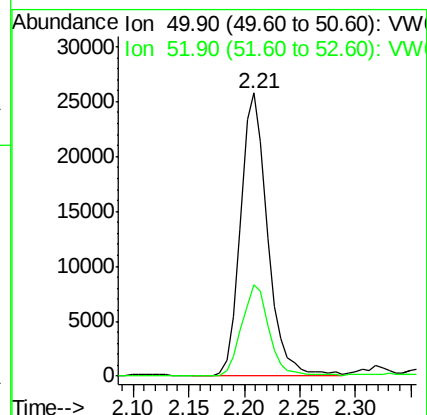
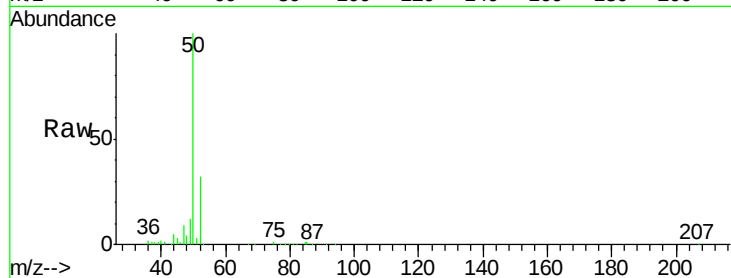
ClientSampleId :

Tot Ion: 50 Resp: 43441

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 20.852 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013188.D

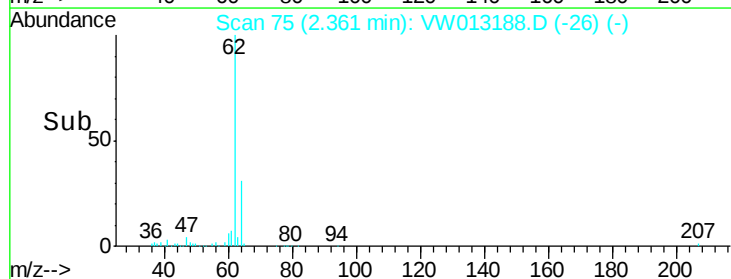
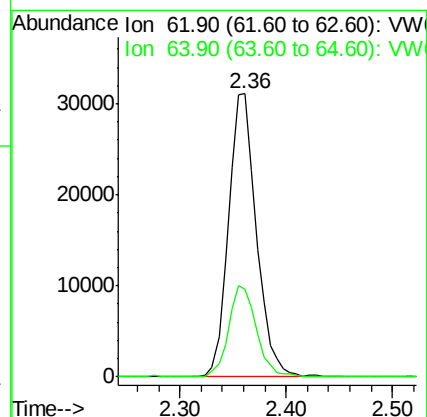
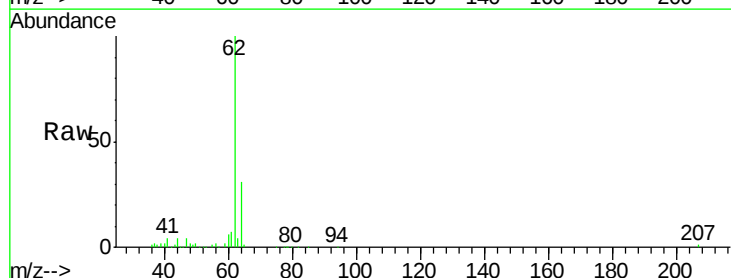
Acq: 20 Sep 2019 17:59

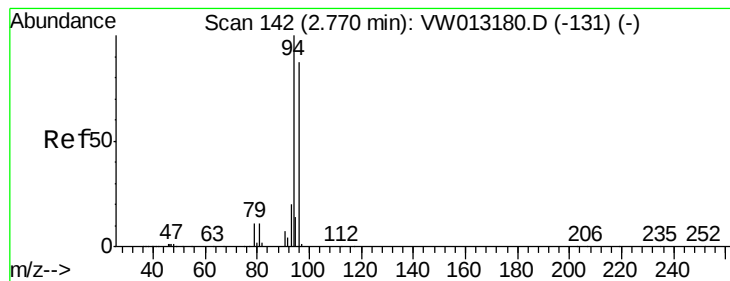
Tgt Ion: 62 Resp: 57217

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 19.868 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

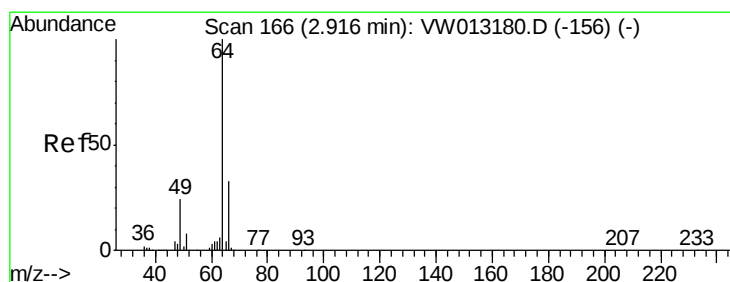
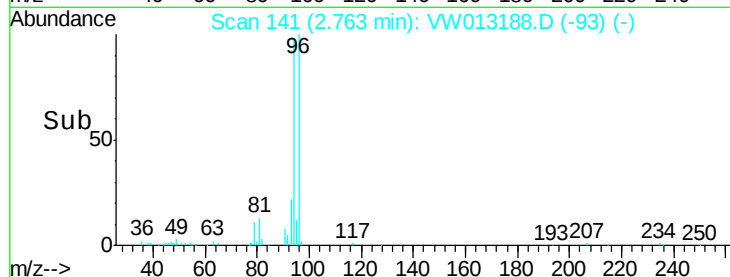
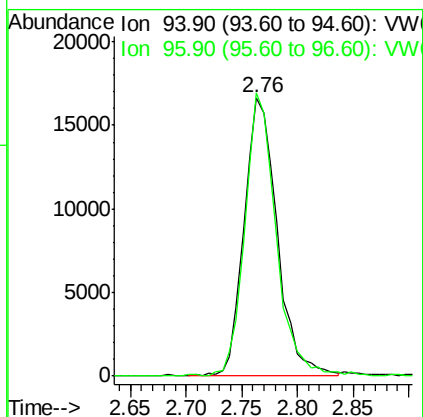
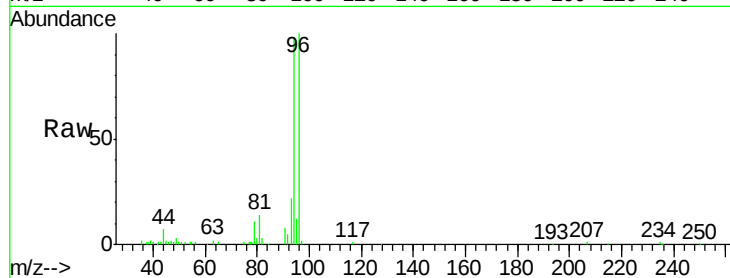
ClientSampleId :

Tot Ion: 94 Resp: 34547

Ion Ratio Lower Upper

94 100

96 100.9 69.7 104.5



#6

Chloroethane

Concen: 19.975 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013188.D

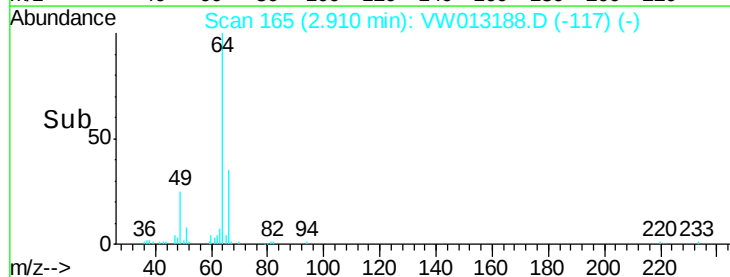
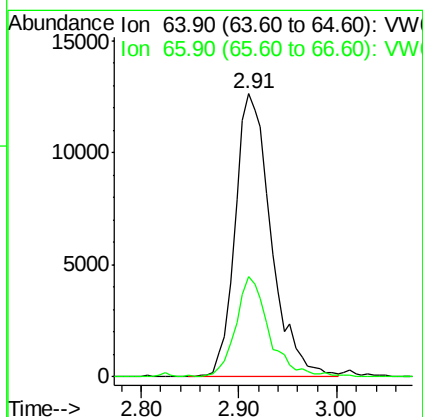
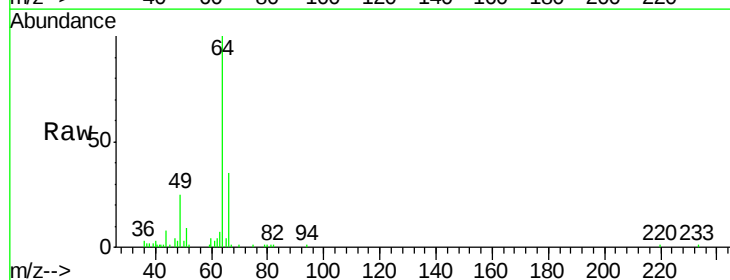
Acq: 20 Sep 2019 17:59

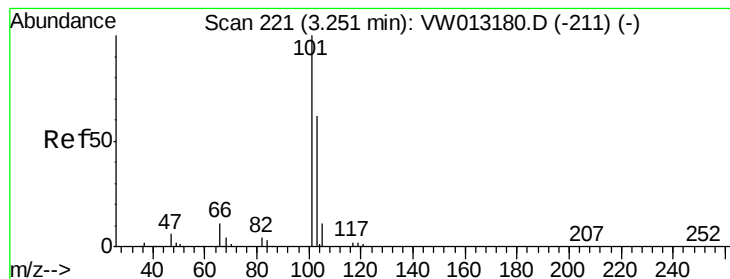
Tgt Ion: 64 Resp: 32307

Ion Ratio Lower Upper

64 100

66 34.6 26.6 39.8



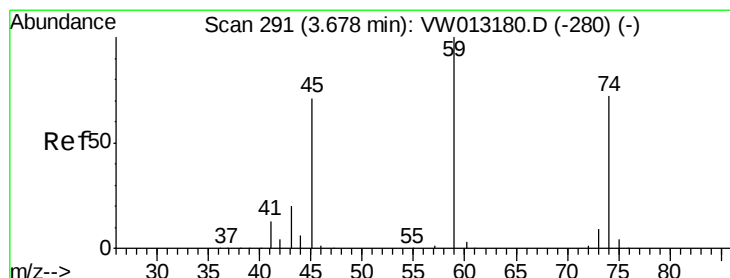
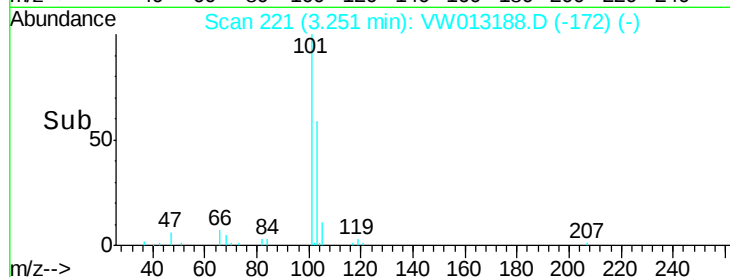
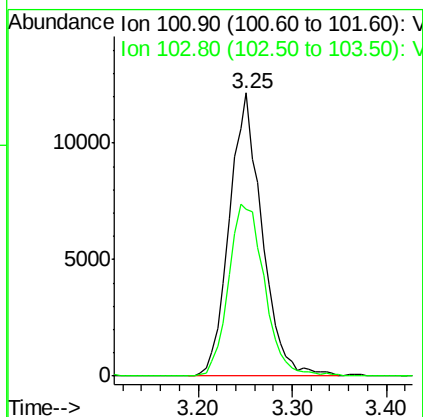
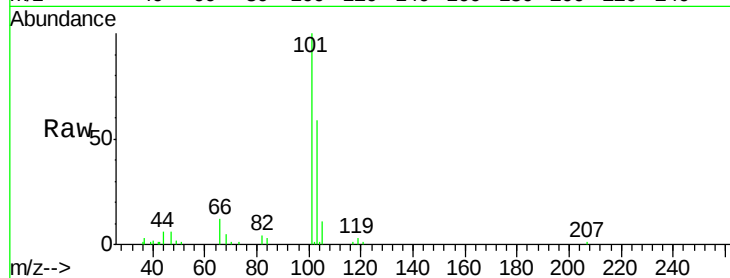


#7

Trichlorofluoromethane
Concen: 18.512 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampled :

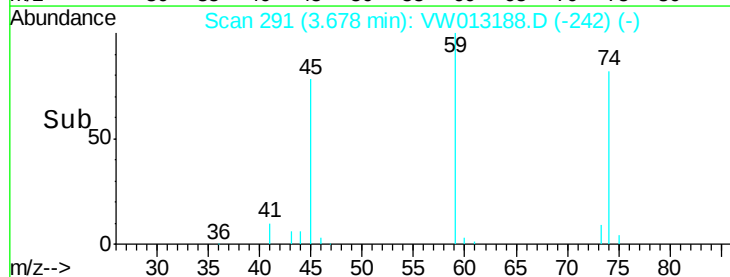
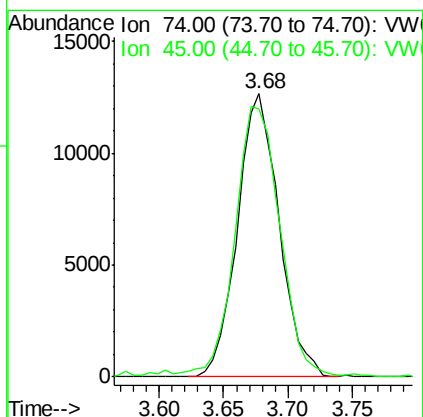
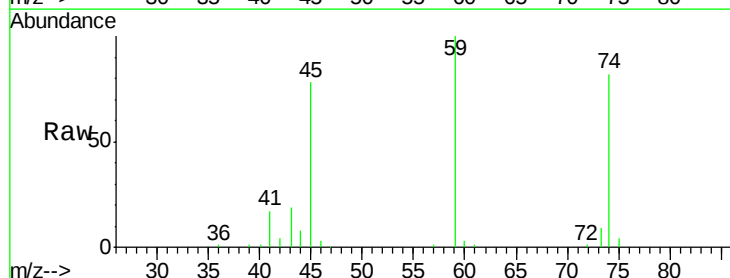
Tot Ion:101 Resp: 29290
Ion Ratio Lower Upper
101 100
103 59.0 49.7 74.5

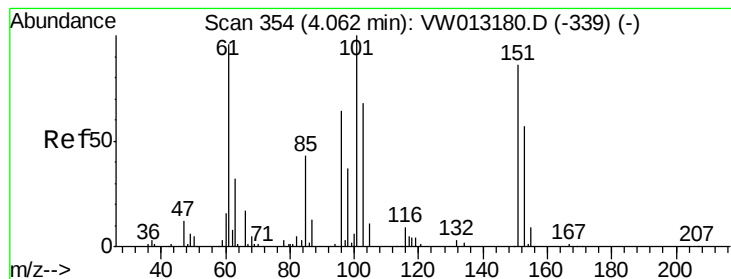


#8

Diethyl Ether
Concen: 20.940 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion: 74 Resp: 28299
Ion Ratio Lower Upper
74 100
45 102.0 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.631 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

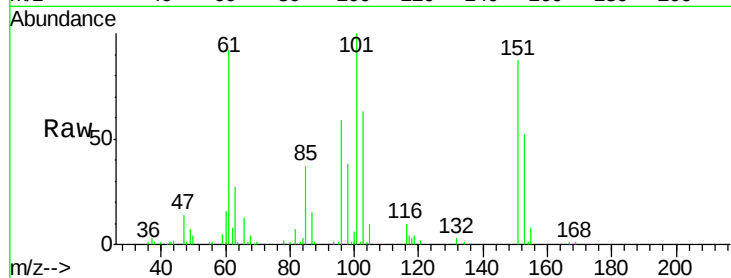
Tot Ion:101 Resp: 53145

Ion Ratio Lower Upper

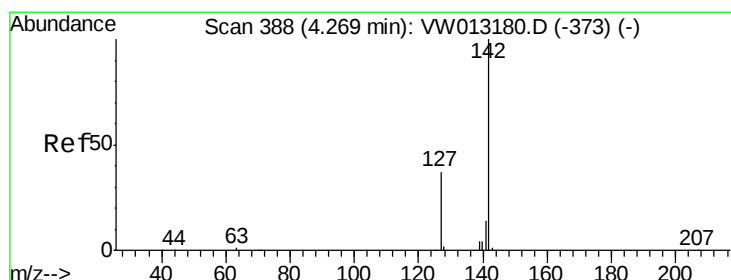
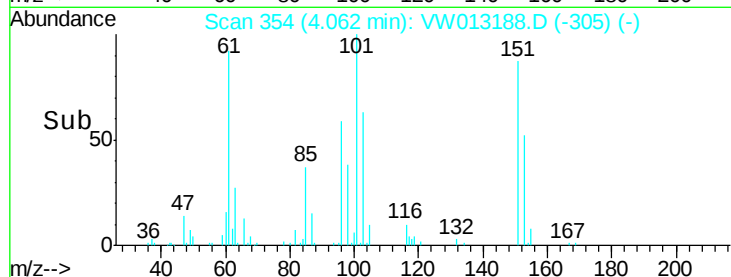
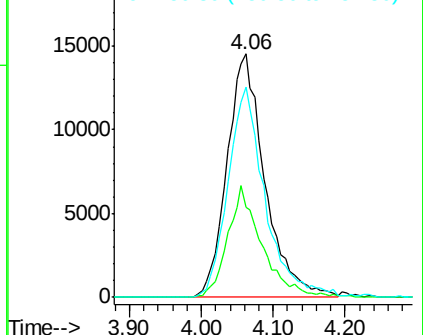
101 100

85 40.7 33.4 50.0

151 84.6 66.9 100.3



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



#10

Methyl Iodide

Concen: 19.104 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

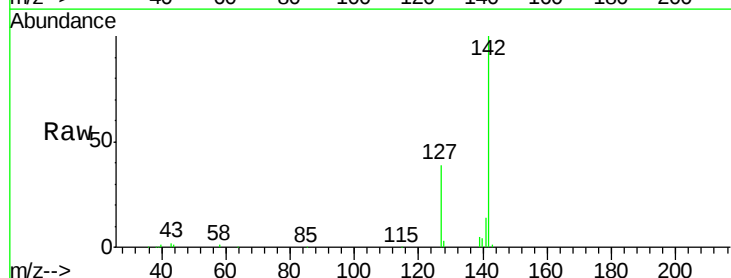
Tgt Ion:142 Resp: 76296

Ion Ratio Lower Upper

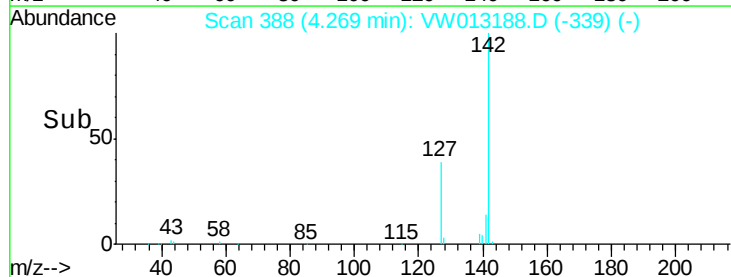
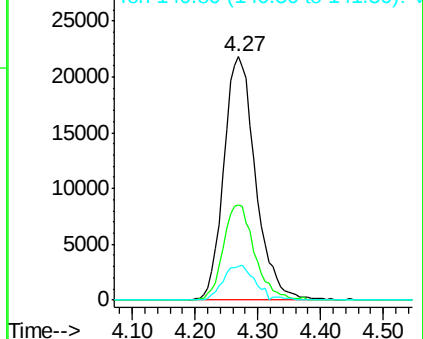
142 100

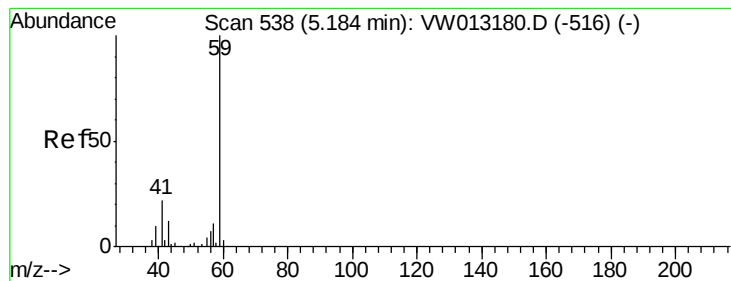
127 38.6 30.9 46.3

141 14.2 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



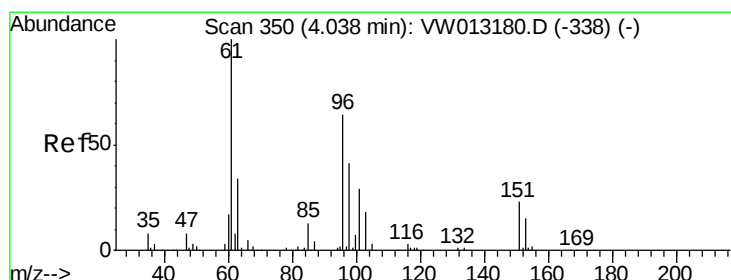
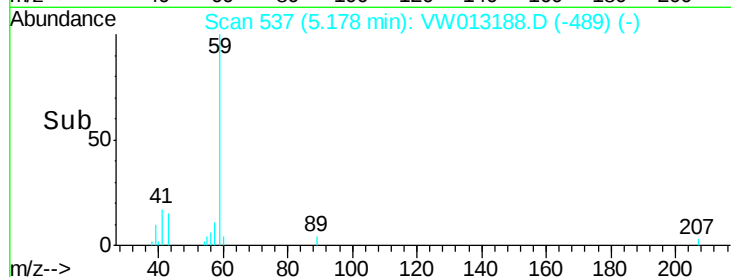
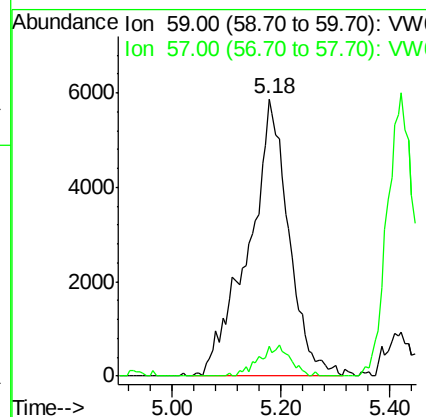
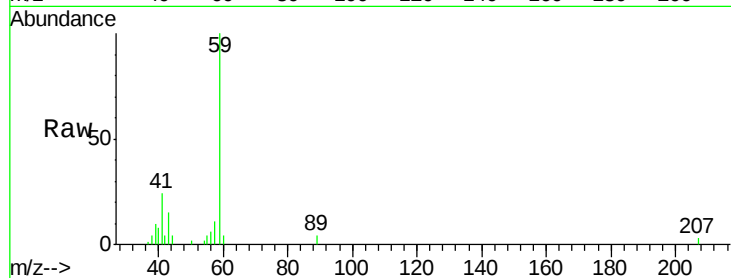


#11

Tert butyl alcohol
 Concen: 176.448 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampleId :

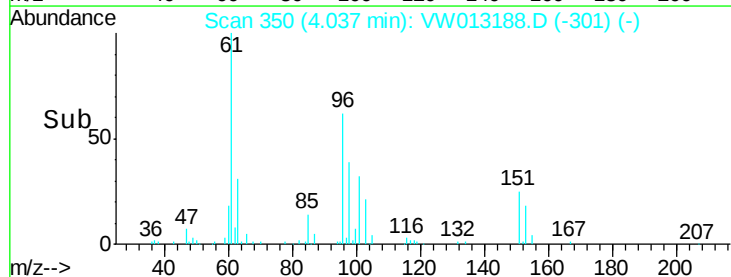
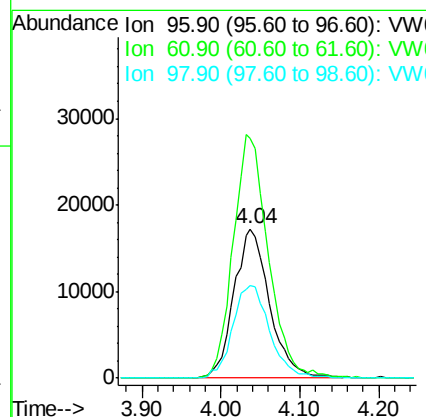
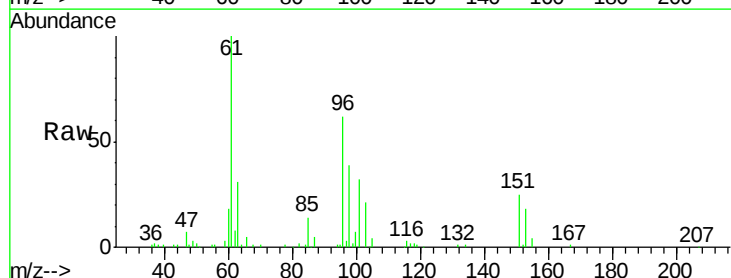
Tot Ion: 59 Resp: 30257
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.2 12.2

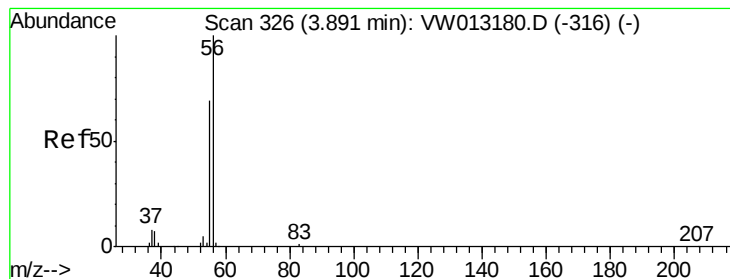


#12

1,1-Dichloroethene
 Concen: 20.285 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion: 96 Resp: 54110
 Ion Ratio Lower Upper
 96 100
 61 160.9 125.1 187.7
 98 62.1 50.8 76.2





#13

Acrolein

Concen: 125.974 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

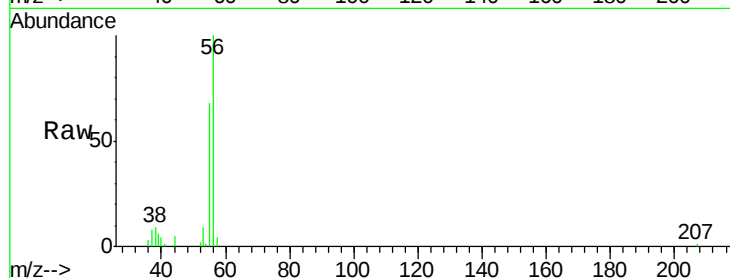
ClientSampleId :

Tot Ion: 56 Resp: 16988

Ion Ratio Lower Upper

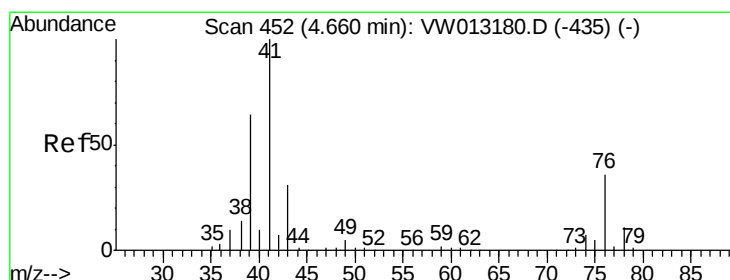
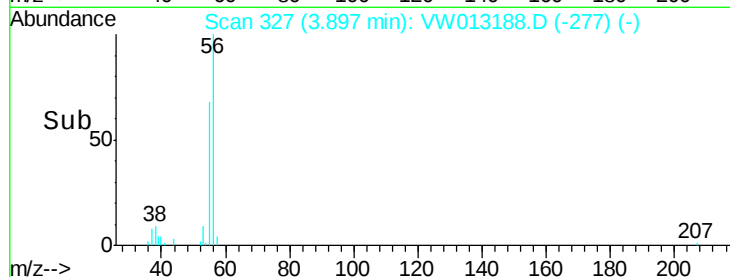
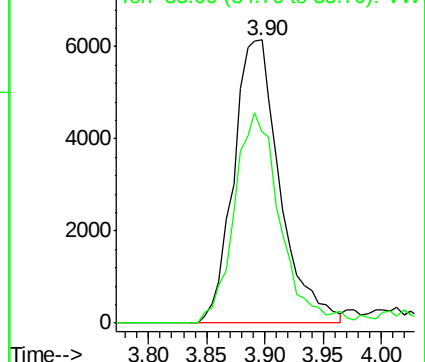
56 100

55 73.4 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.584 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

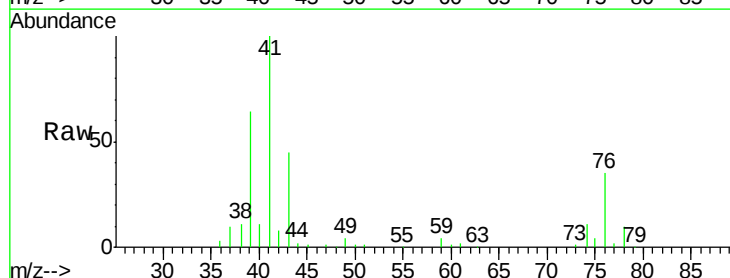
Tgt Ion: 41 Resp: 83140

Ion Ratio Lower Upper

41 100

39 63.1 51.0 76.4

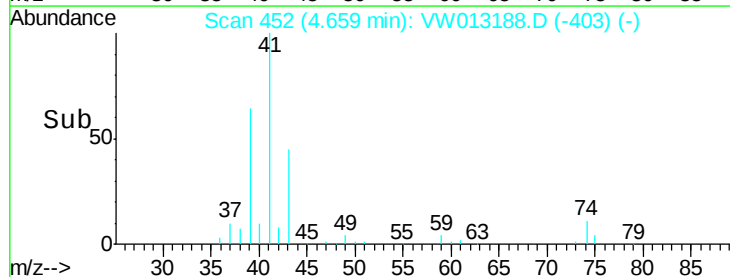
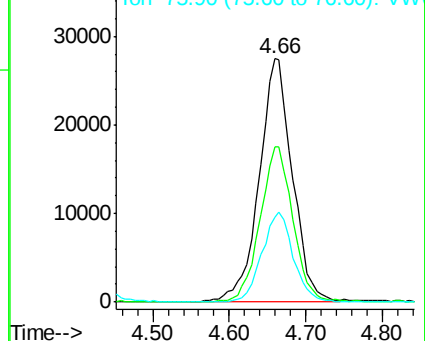
76 34.8 28.4 42.6

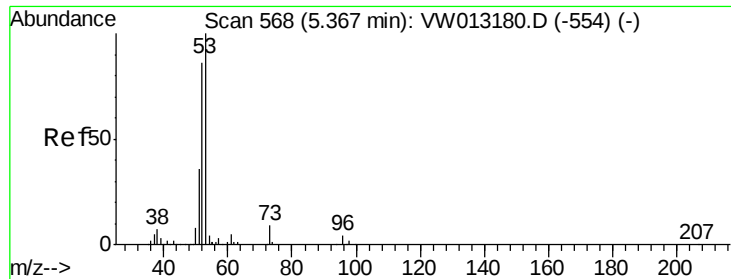


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 129.925 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

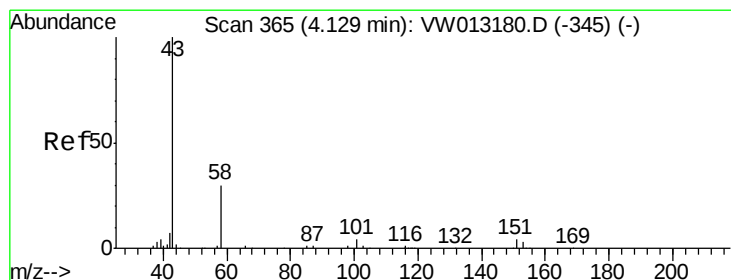
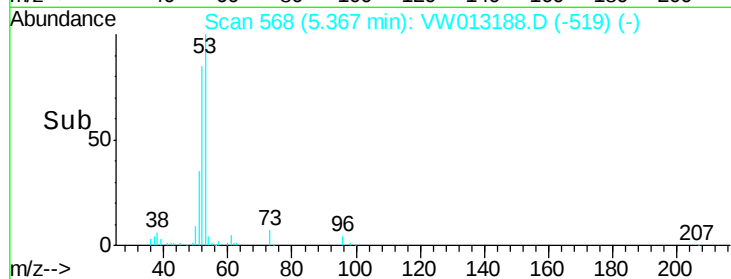
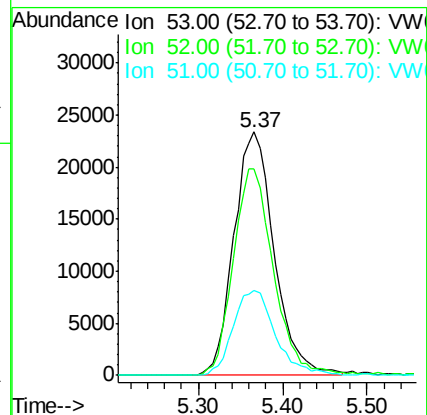
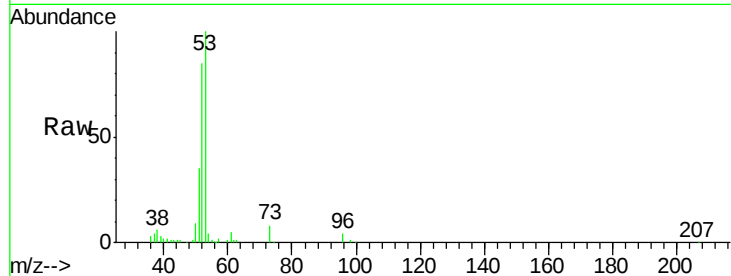
Tot Ion: 53 Resp: 75787

Ion Ratio Lower Upper

53 100

52 84.9 65.3 97.9

51 36.7 29.0 43.4



#16

Acetone

Concen: 128.618 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013188.D

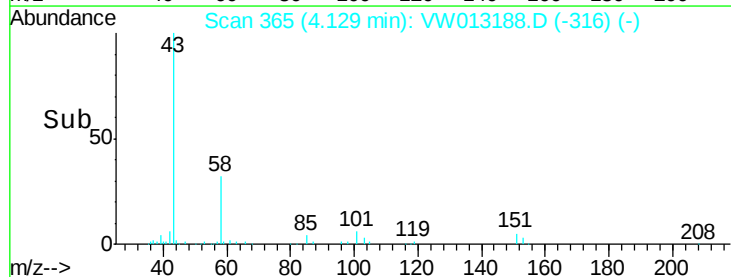
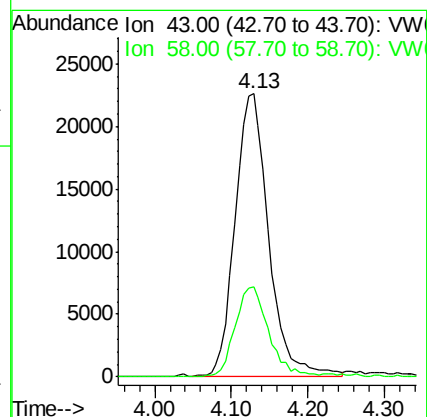
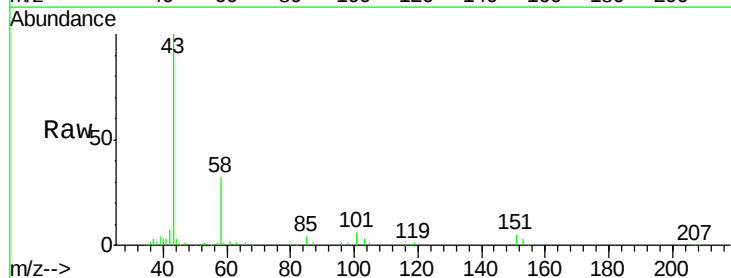
Acq: 20 Sep 2019 17:59

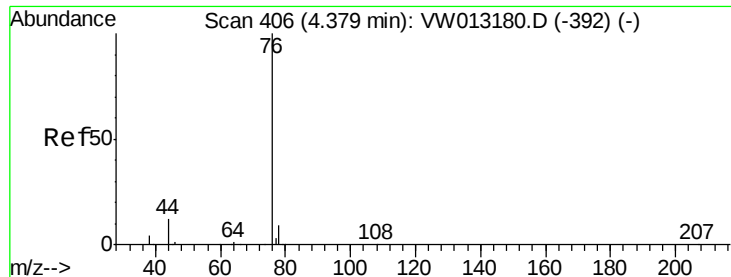
Tgt Ion: 43 Resp: 67947

Ion Ratio Lower Upper

43 100

58 31.9 24.1 36.1

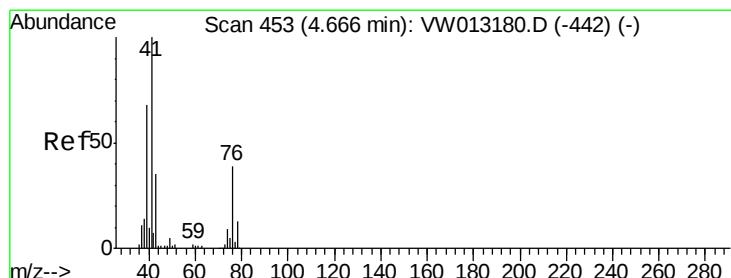
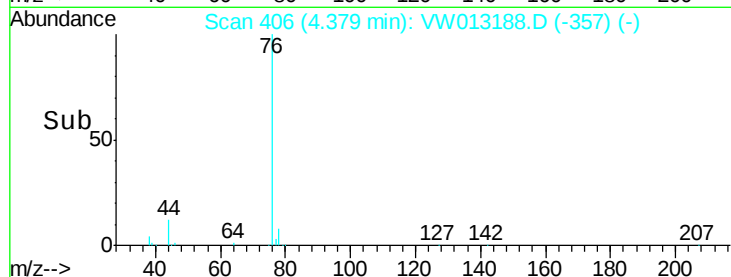
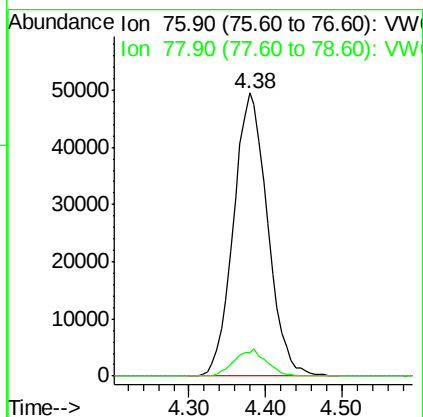
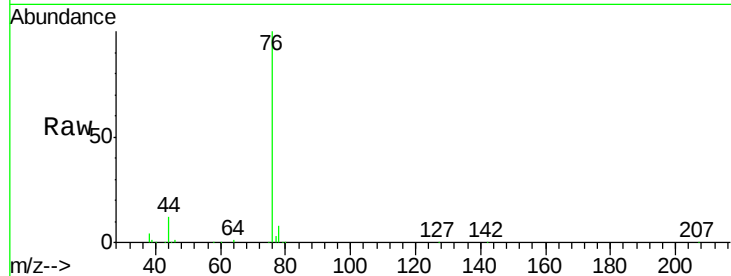




#17
Carbon Disulfide
Concen: 19.808 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

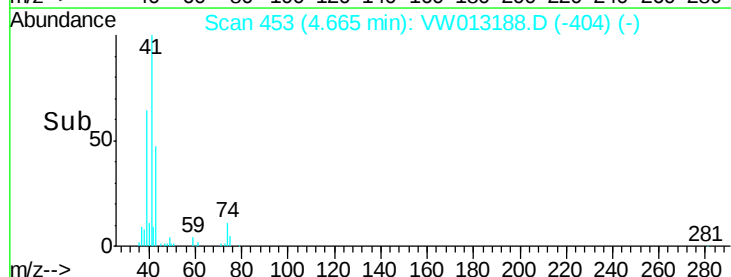
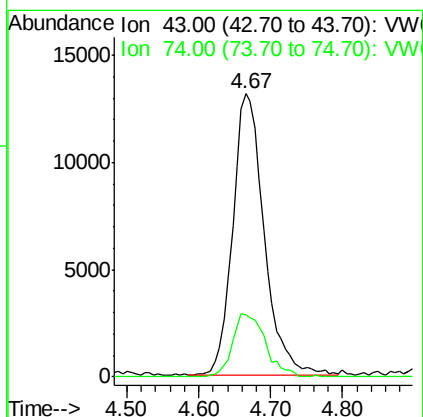
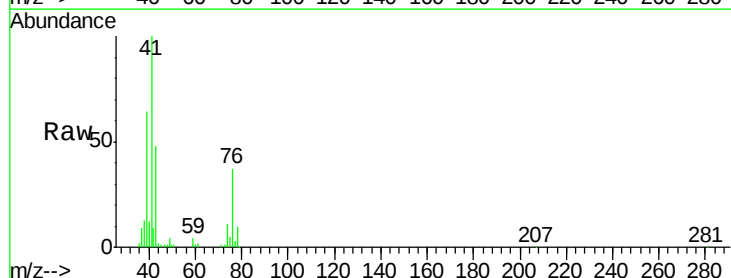
Instrument :
MSVOA_W
ClientSampled :

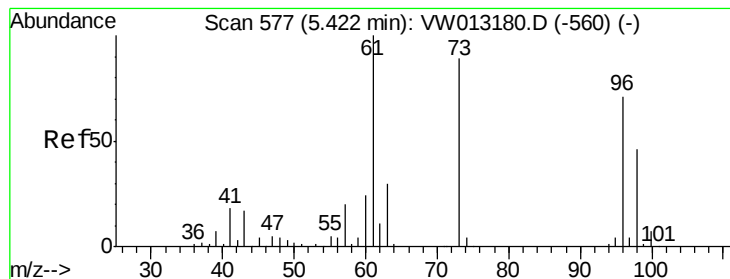
Tot Ion: 76 Resp: 152715
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#18
Methyl Acetate
Concen: 27.020 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion: 43 Resp: 40124
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9



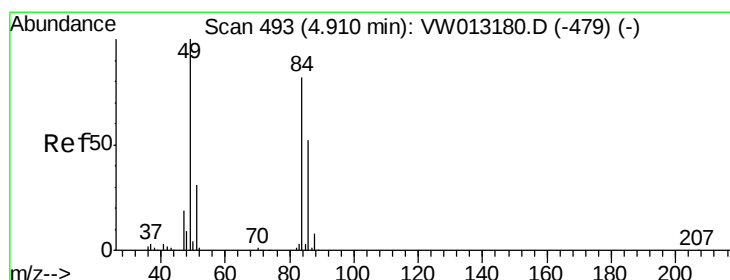
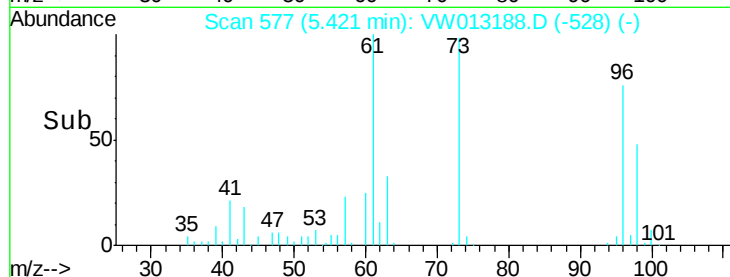
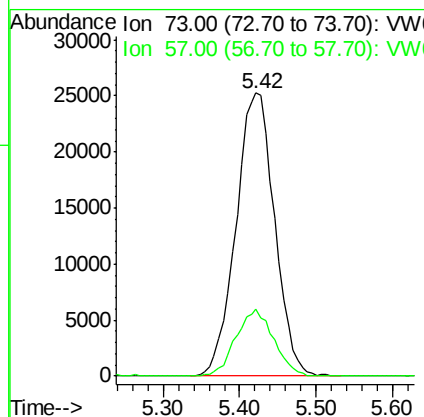
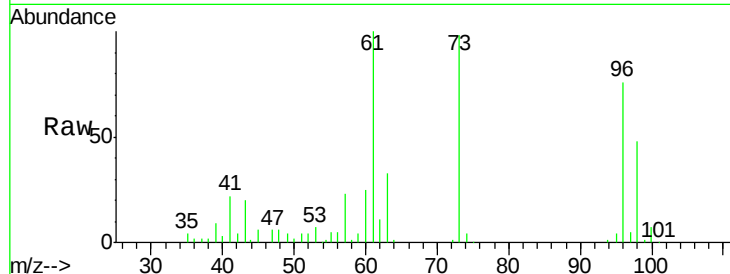


#19

Methyl tert-butyl Ether
 Concen: 21.610 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :

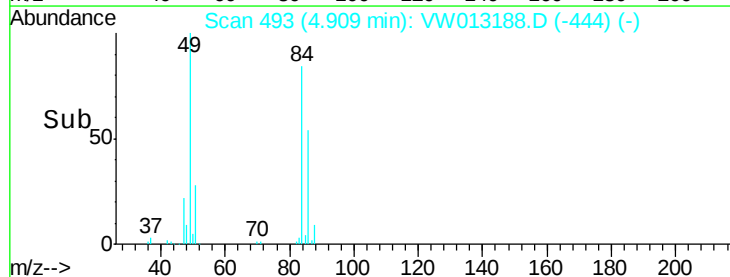
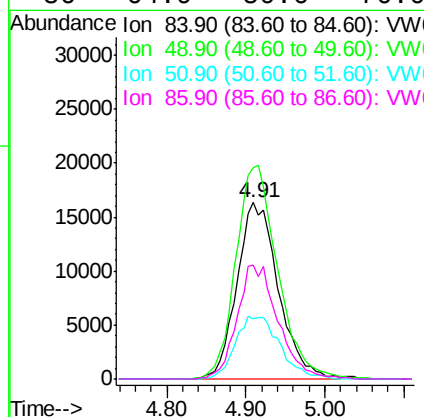
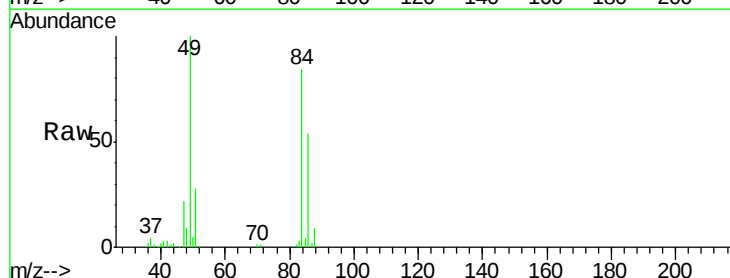
Tot Ion: 73 Resp: 88345
 Ion Ratio Lower Upper
 73 100
 57 23.8 17.6 26.4

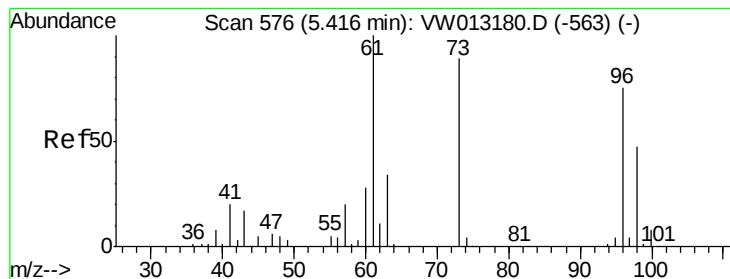


#20

Methylene Chloride
 Concen: 20.356 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion: 84 Resp: 59650
 Ion Ratio Lower Upper
 84 100
 49 119.8 97.6 146.4
 51 34.0 30.2 45.2
 86 64.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.797 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampleId :

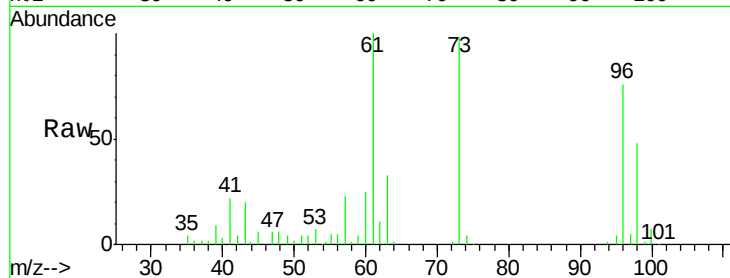
Tot Ion: 96 Resp: 57074

Ion Ratio Lower Upper

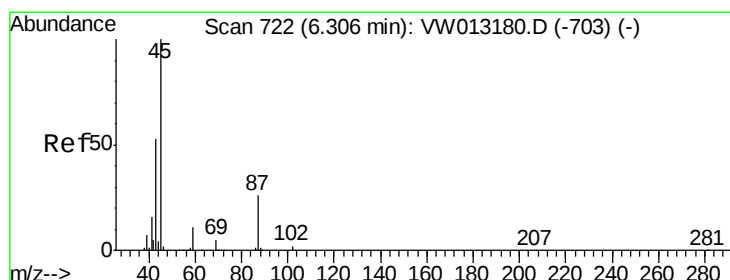
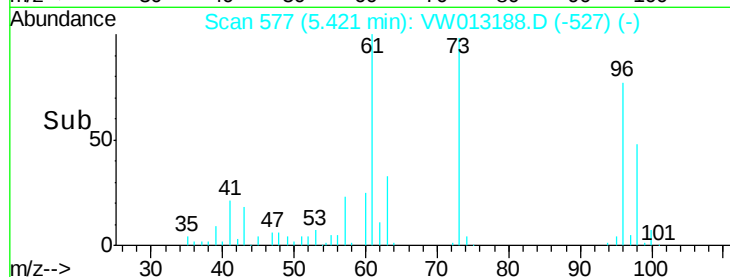
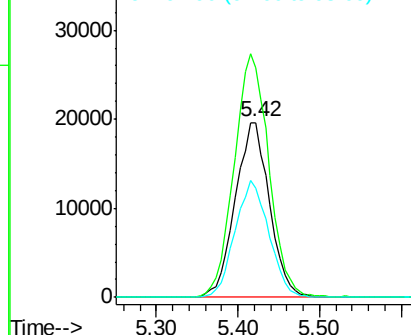
96 100

61 131.2 106.6 159.8

98 62.4 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: 20.224 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Tgt Ion: 45 Resp: 163262

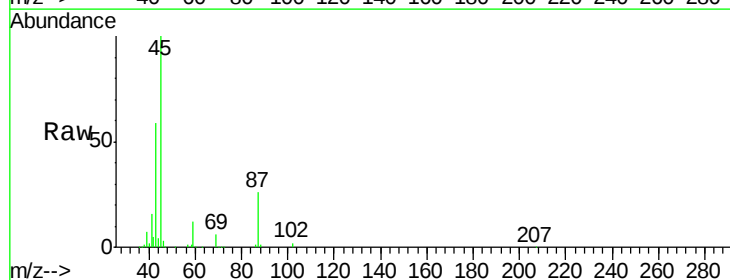
Ion Ratio Lower Upper

45 100

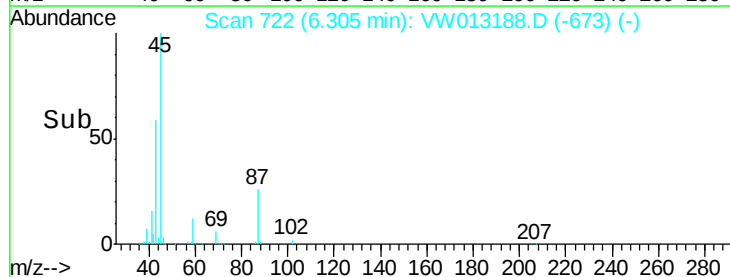
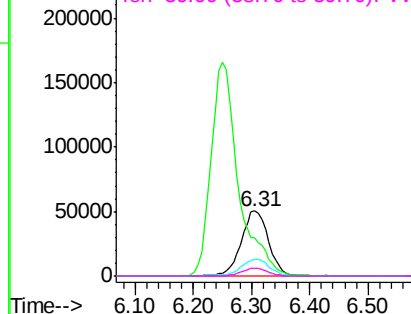
43 58.3 42.4 63.6

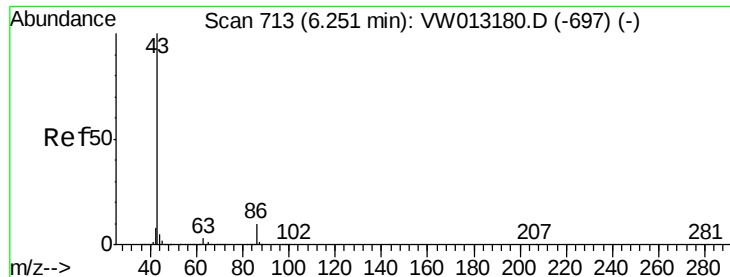
87 26.0 20.4 30.6

59 11.9 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: 112.832 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

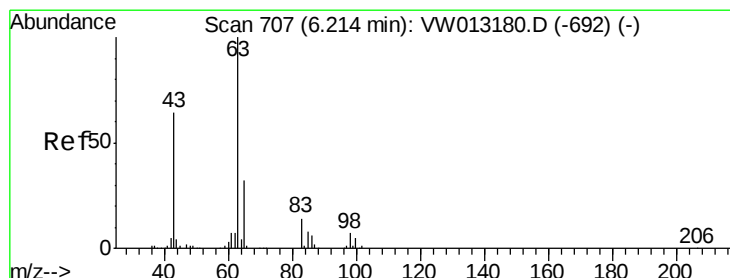
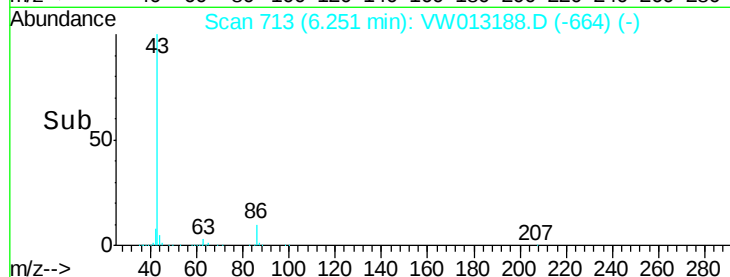
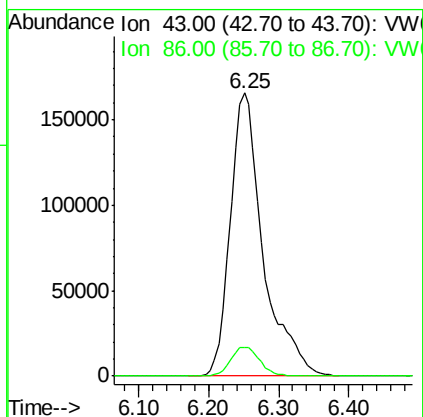
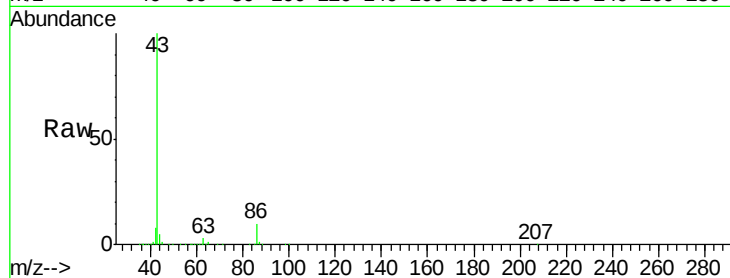
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 540369

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.647 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

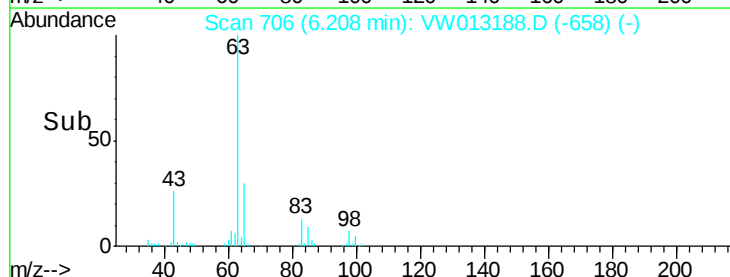
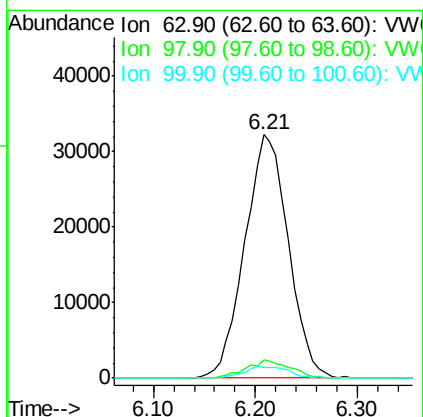
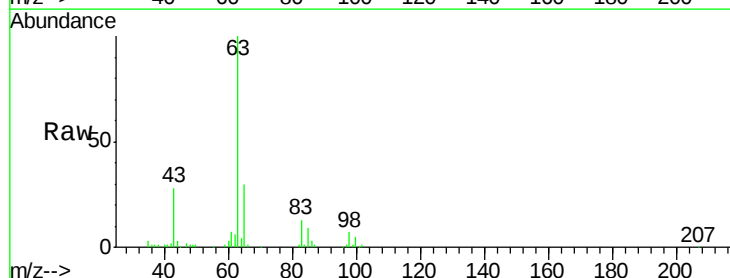
Tgt Ion: 63 Resp: 95707

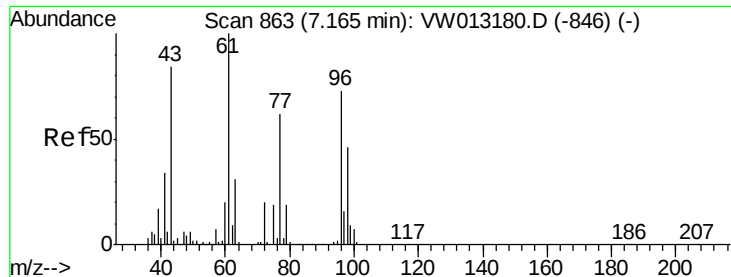
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 138.007 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

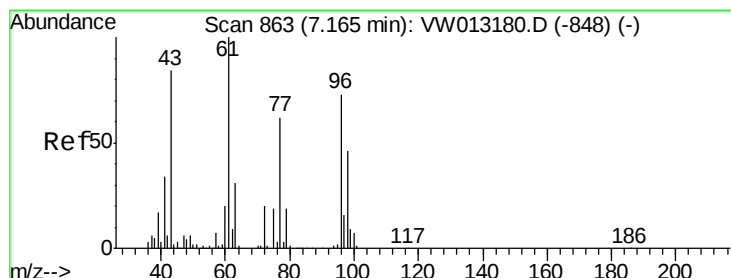
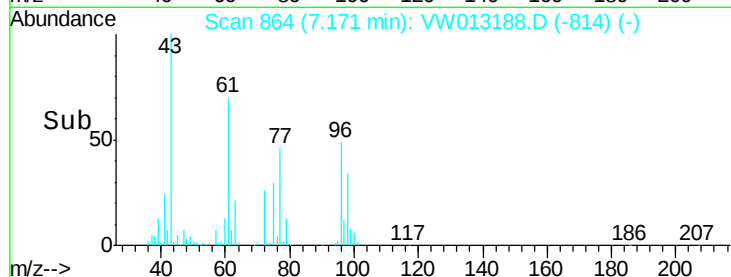
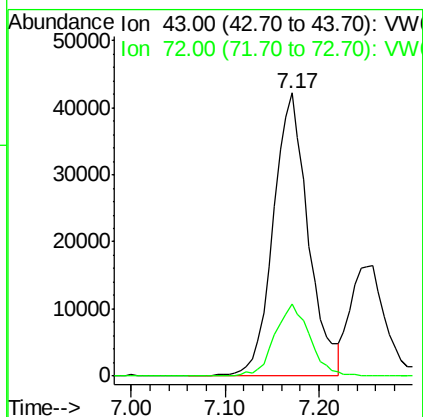
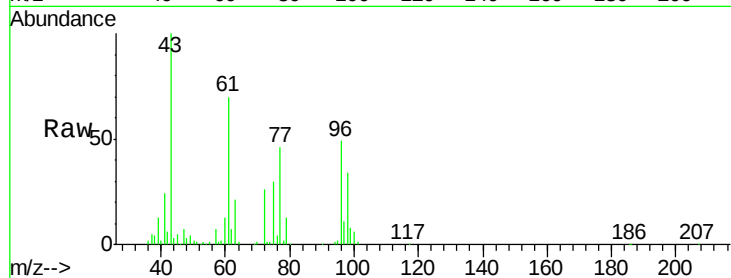
ClientSampled :

Tot Ion: 43 Resp: 109445

Ion Ratio Lower Upper

43 100

72 25.5 19.4 29.0



#26

2,2-Dichloropropane

Concen: 20.005 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013188.D

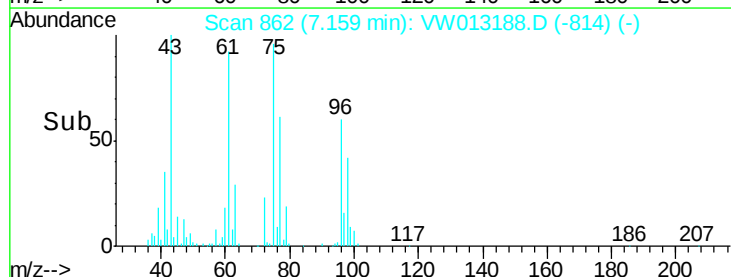
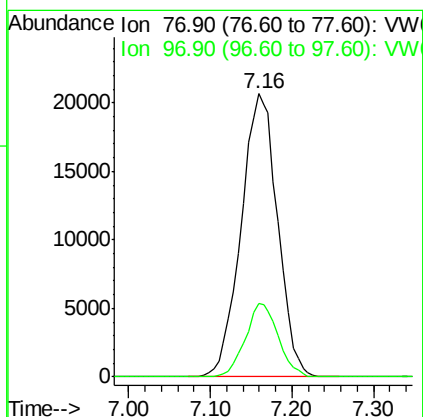
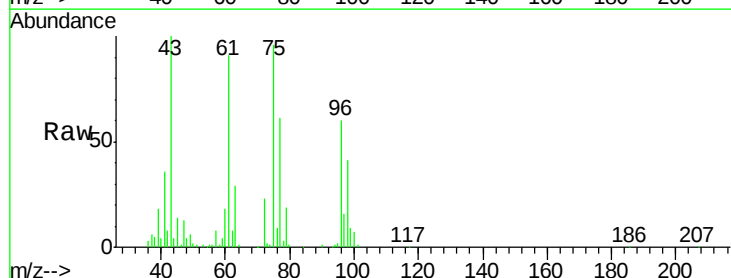
Acq: 20 Sep 2019 17:59

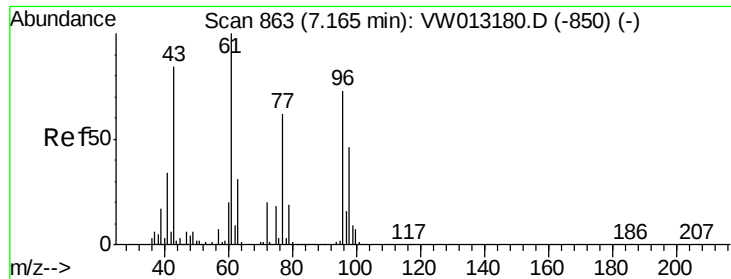
Tgt Ion: 77 Resp: 64134

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4



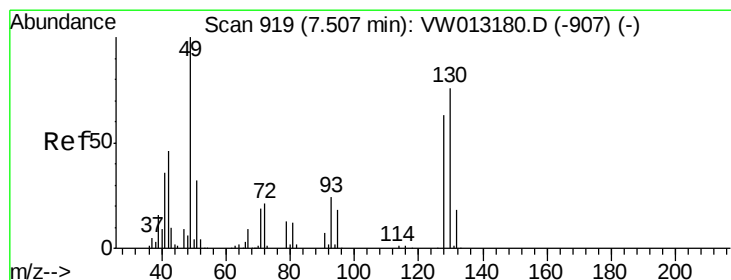
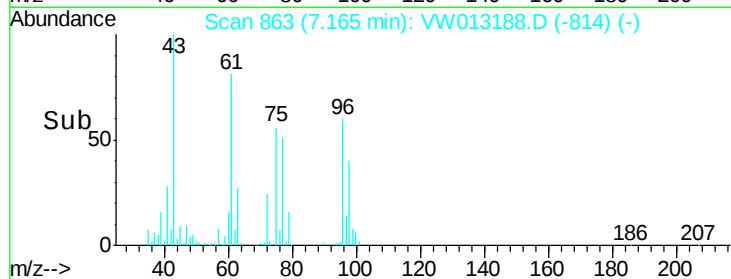
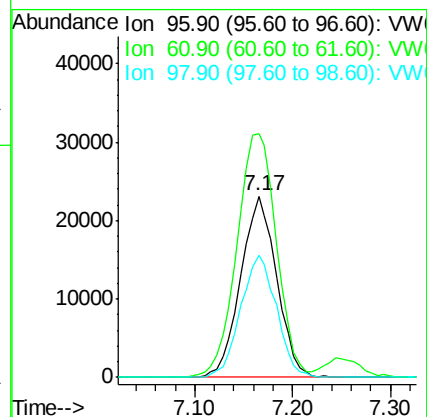
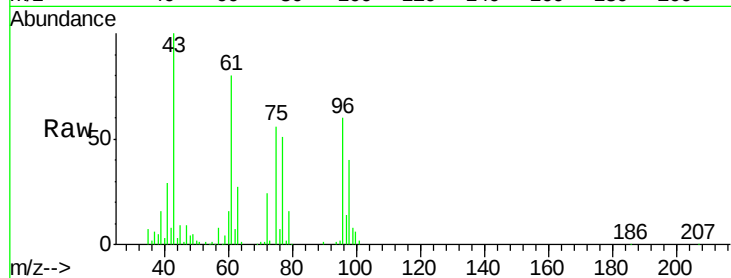


#27

cis-1,2-Dichloroethene
Concen: 19.459 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampleId :

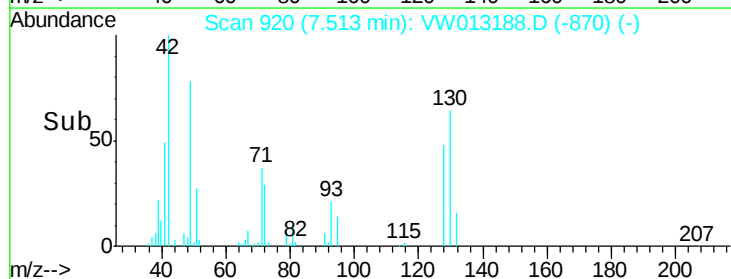
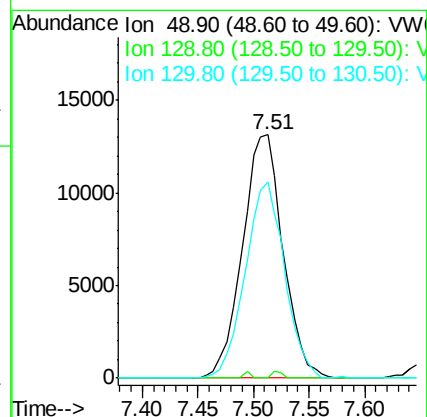
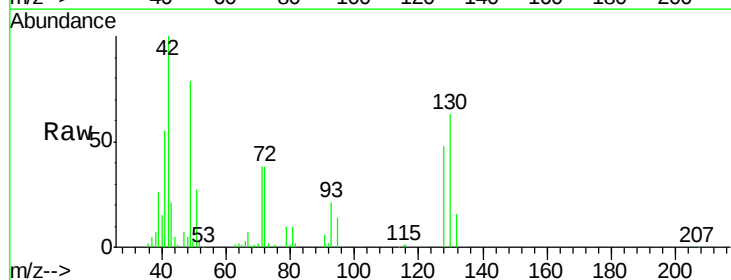
Tot Ion: 96 Resp: 59206
Ion Ratio Lower Upper
96 100
61 147.6 0.0 282.4
98 66.7 0.0 128.2



#28

Bromochloromethane
Concen: 17.801 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion: 49 Resp: 33281
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.0
130 78.0 63.4 95.2

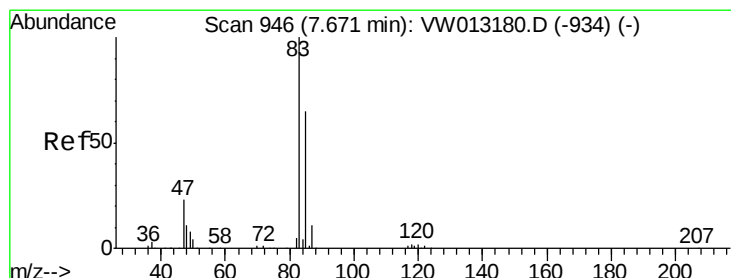
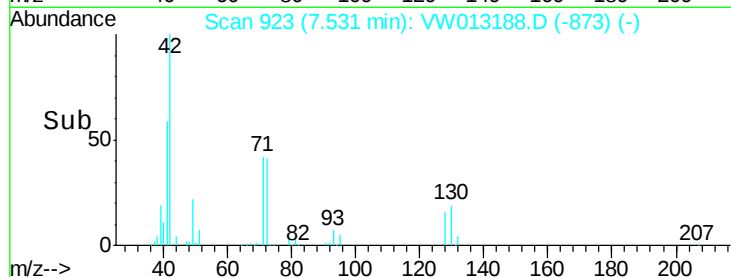
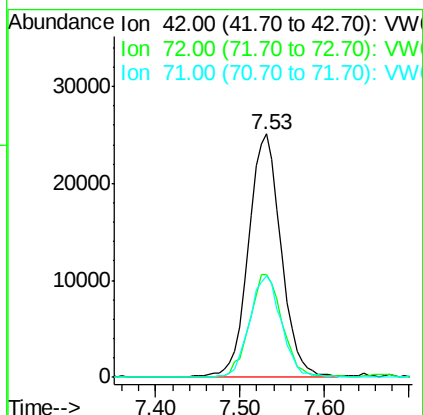
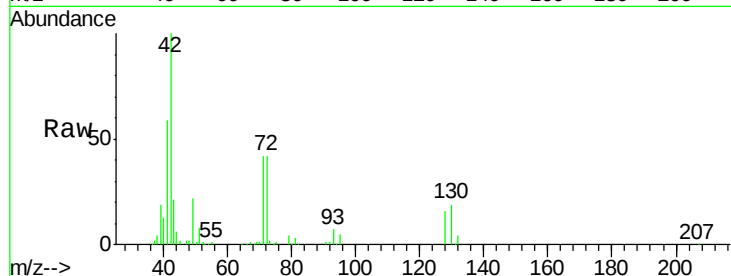




#29
Tetrahydrofuran
Concen: 137.270 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

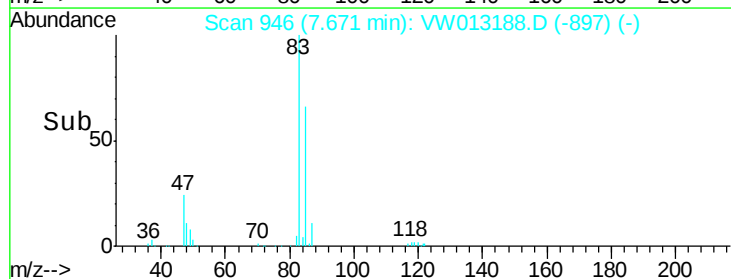
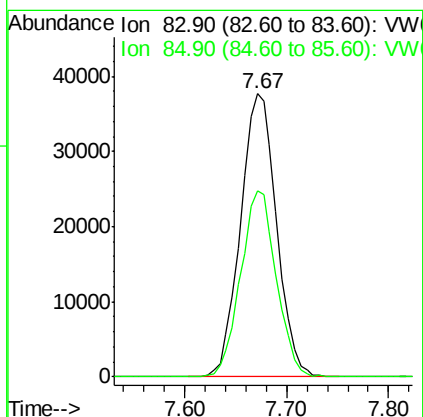
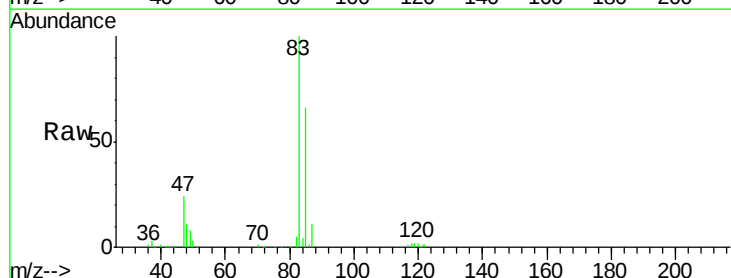
Instrument :
MSVOA_W
ClientSampled :

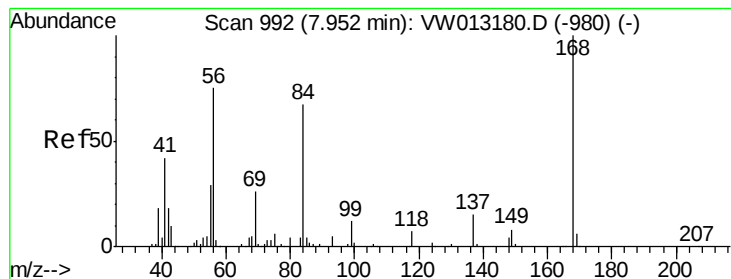
Tot Ion: 42 Resp: 66761
Ion Ratio Lower Upper
42 100
72 42.4 33.9 50.9
71 40.7 31.9 47.9



#30
Chloroform
Concen: 19.344 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion: 83 Resp: 92255
Ion Ratio Lower Upper
83 100
85 65.8 52.3 78.5





#31

Cyclohexane

Concen: 20.692 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampleId :

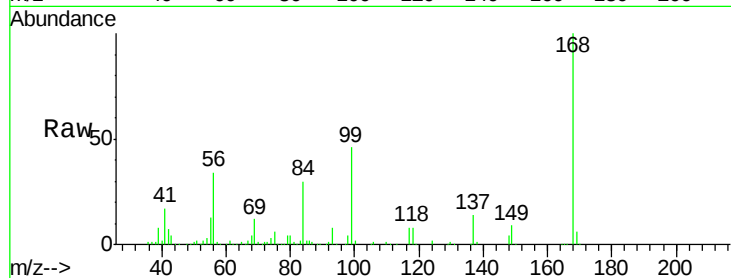
Tot Ion: 56 Resp: 105071

Ion Ratio Lower Upper

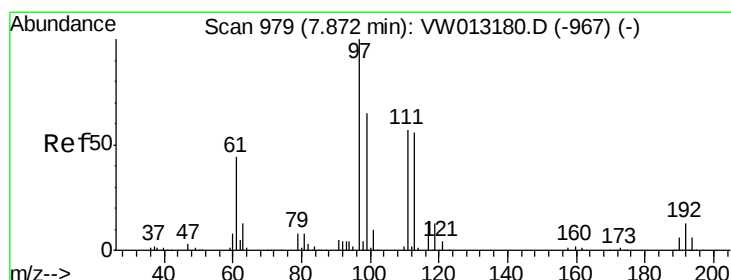
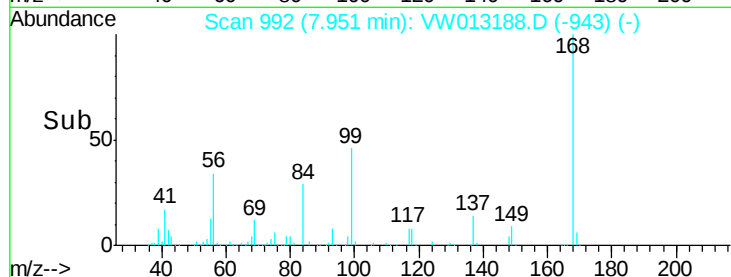
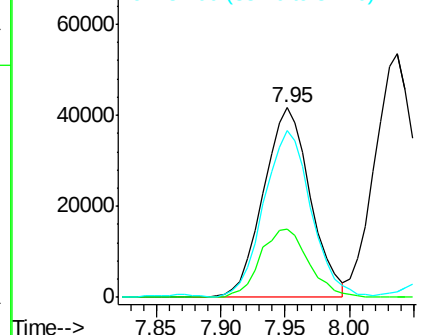
56 100

69 35.7 27.2 40.8

84 87.5 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 19.949 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

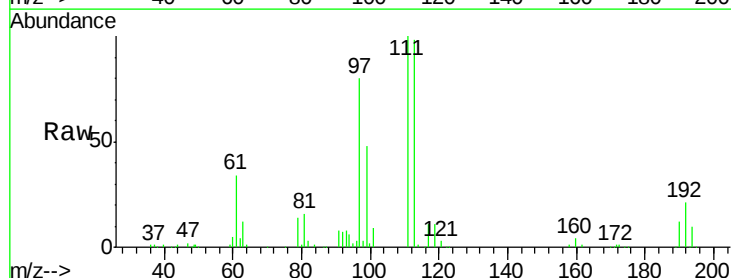
Tgt Ion: 97 Resp: 77056

Ion Ratio Lower Upper

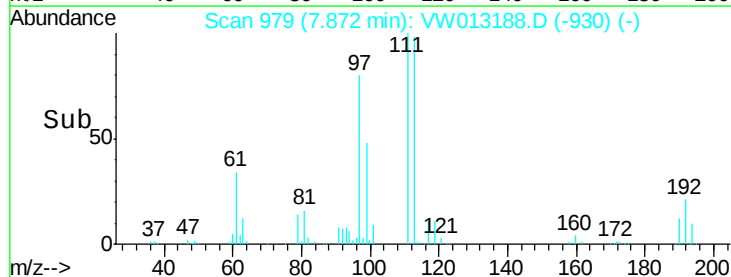
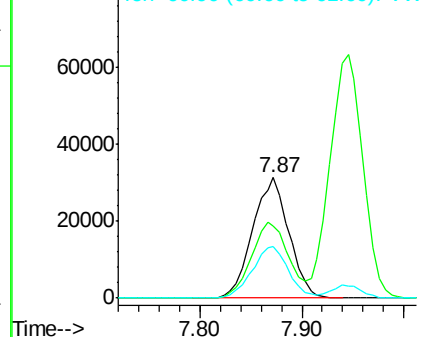
97 100

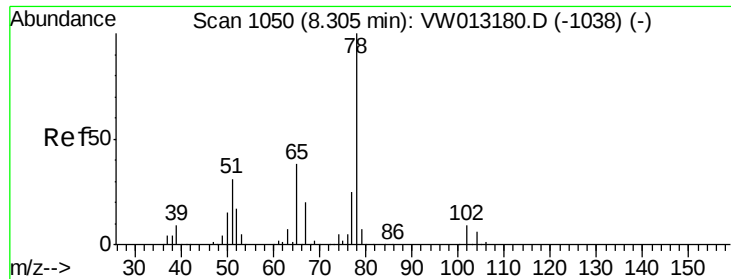
99 64.5 51.7 77.5

61 43.0 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: 49.002 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

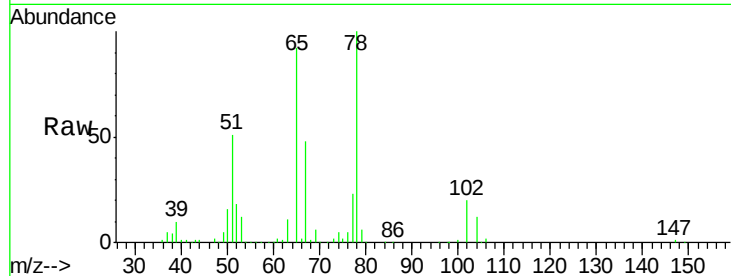
ClientSampleId :

Tot Ion: 65 Resp: 114792

Ion Ratio Lower Upper

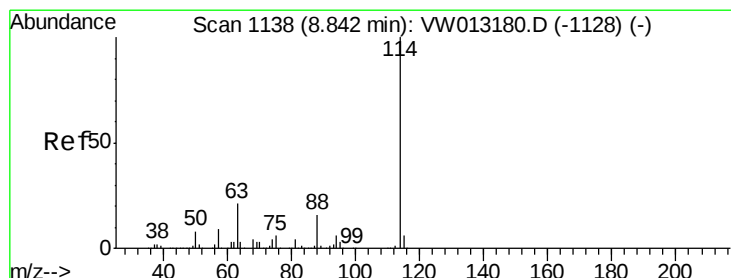
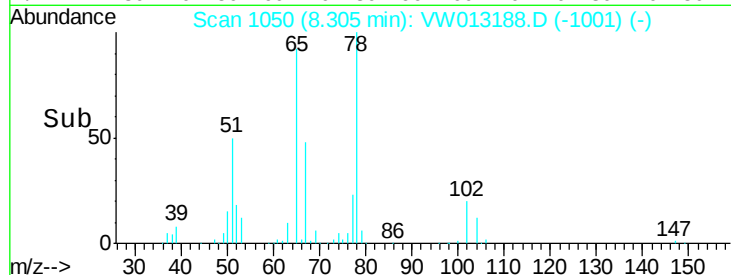
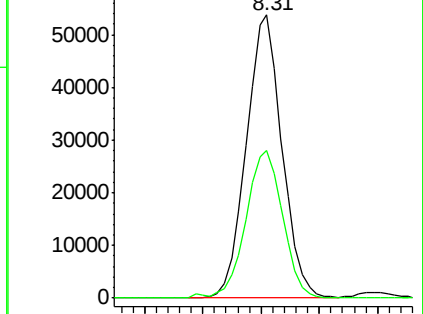
65 100

67 54.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

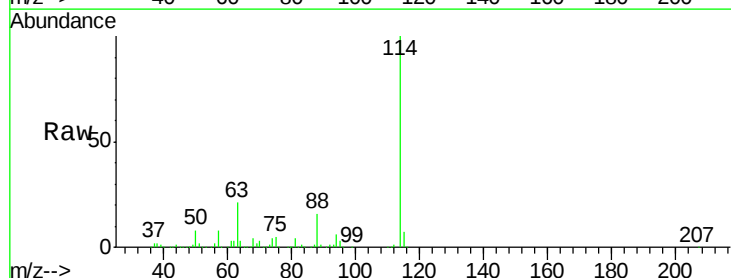
Tgt Ion: 114 Resp: 398227

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

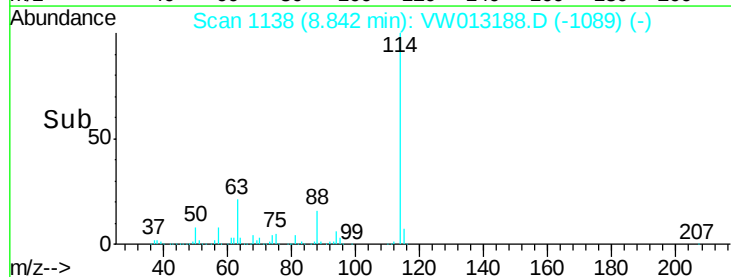
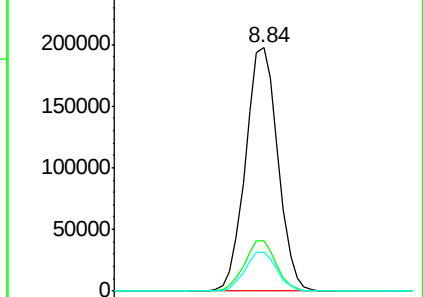
88 15.8 0.0 32.0

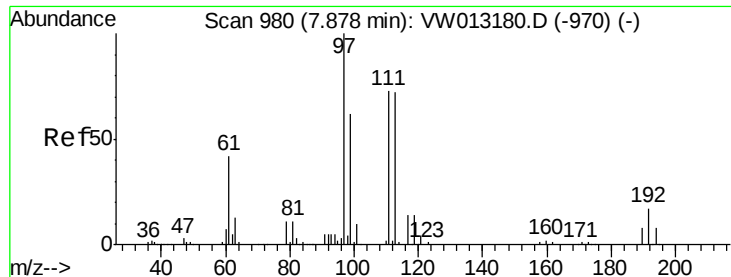


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

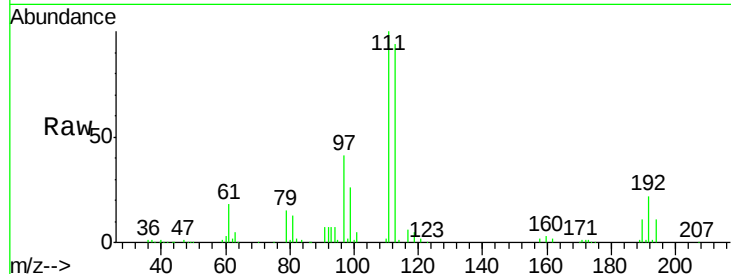




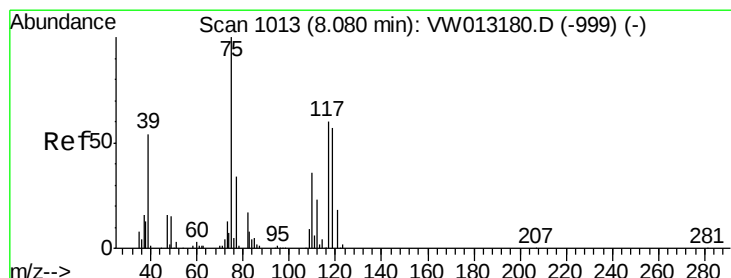
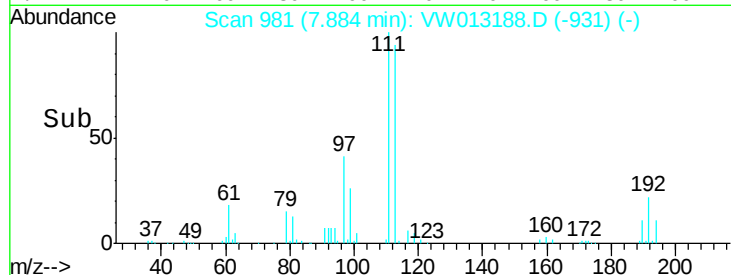
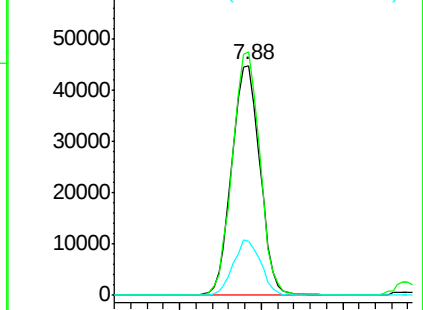
#35
 Dibromofluoromethane
 Concen: 48.815 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	23.4	19.1	28.7

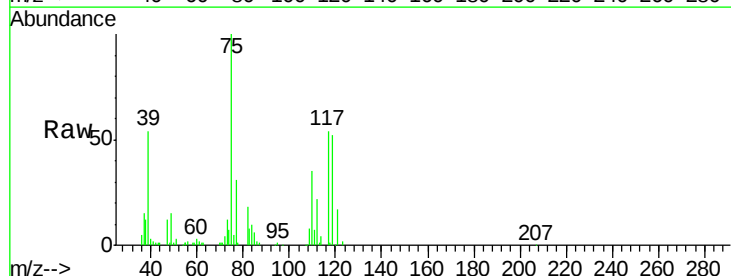


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

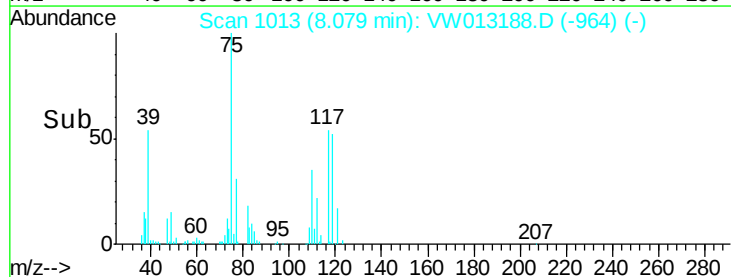
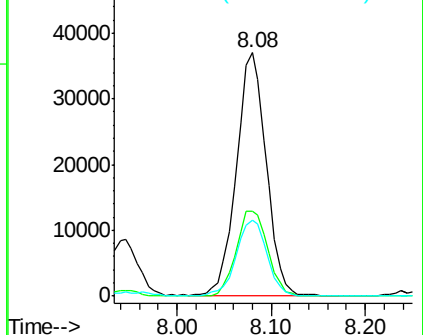


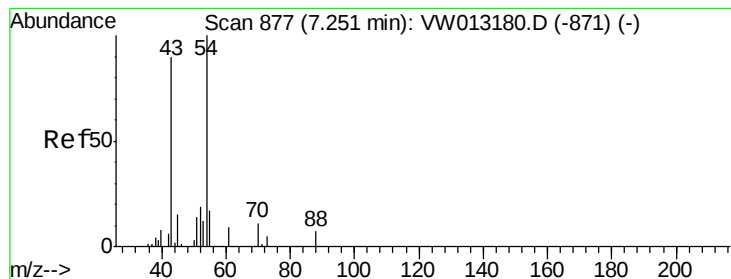
#36
 1,1-Dichloropropene
 Concen: 21.275 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.3
77	31.9	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 26.371 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

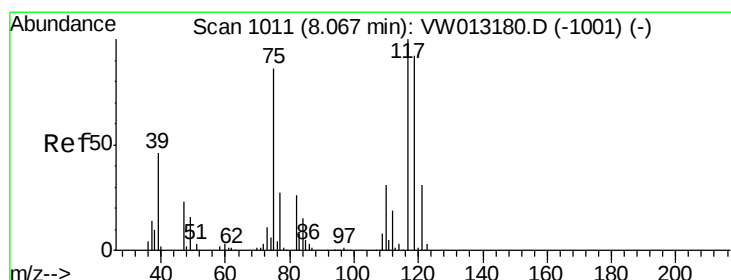
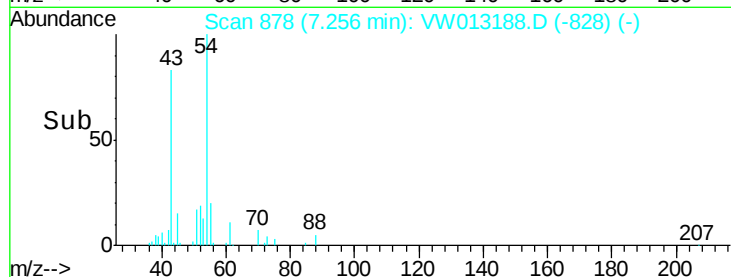
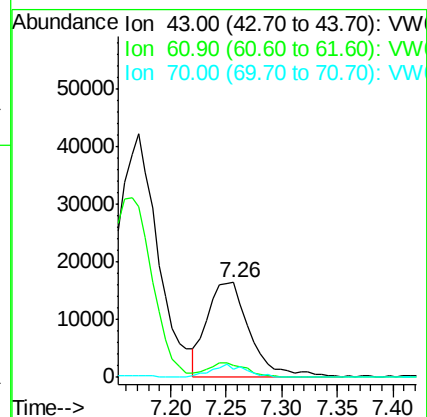
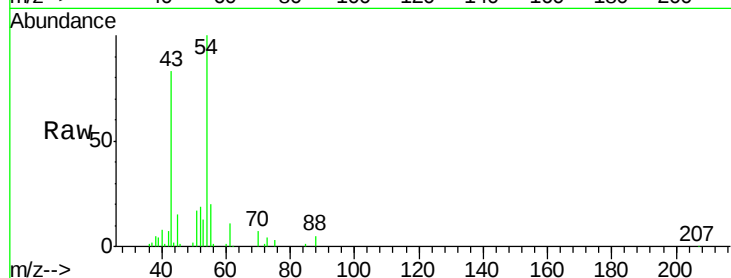
Tot Ion: 43 Resp: 43229

Ion Ratio Lower Upper

43 100

61 14.5 10.9 16.3

70 11.5 8.2 12.2



#38

Carbon Tetrachloride

Concen: 20.977 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

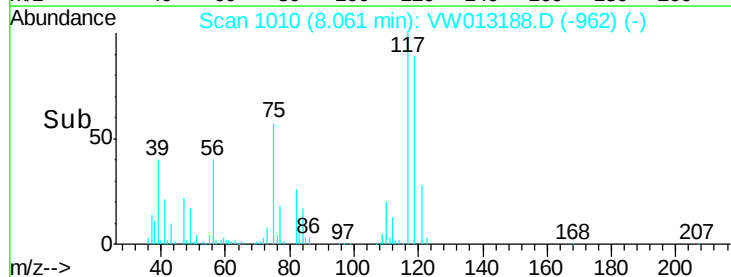
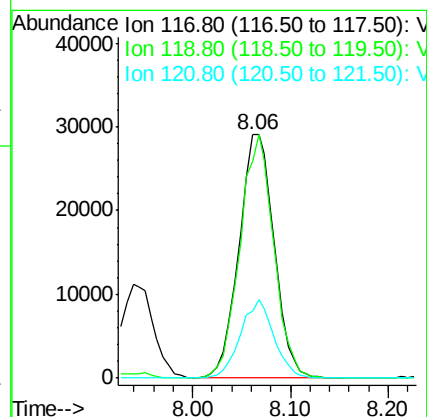
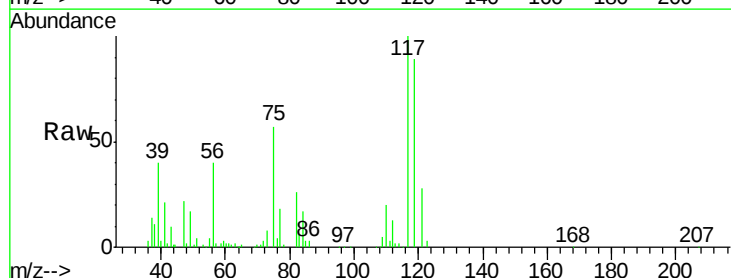
Tgt Ion: 117 Resp: 72531

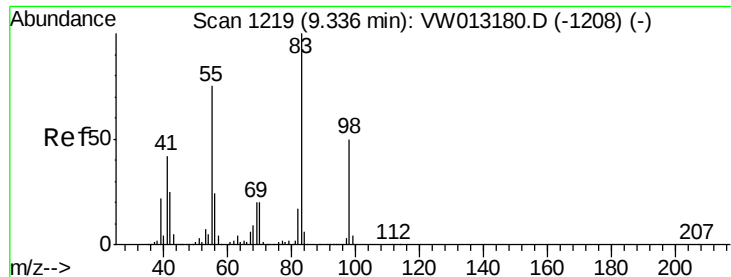
Ion Ratio Lower Upper

117 100

119 88.9 73.5 110.3

121 27.6 25.0 37.6

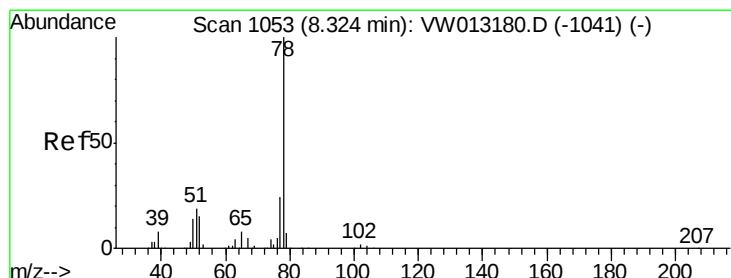
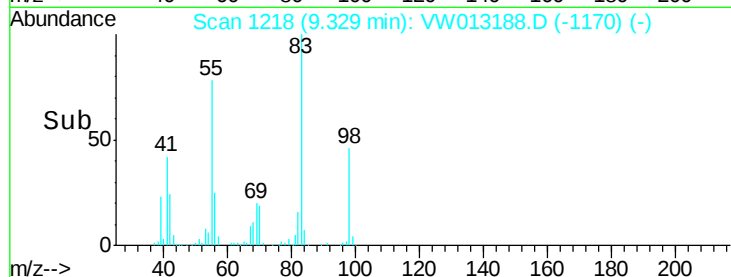
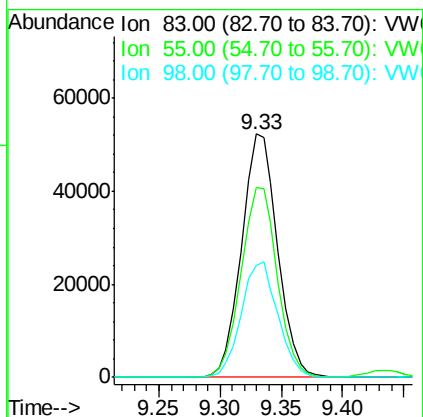
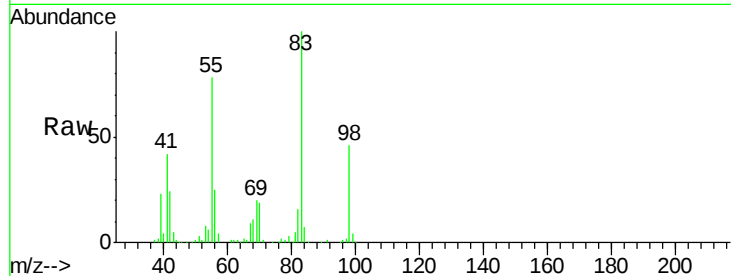




#39
Methvlcvclohexane
Concen: 21.547 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

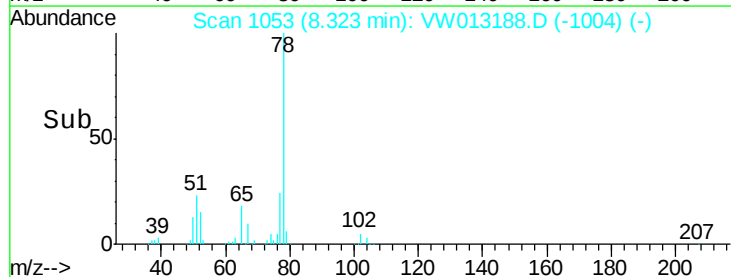
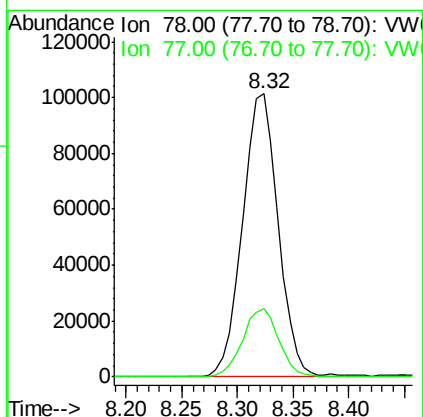
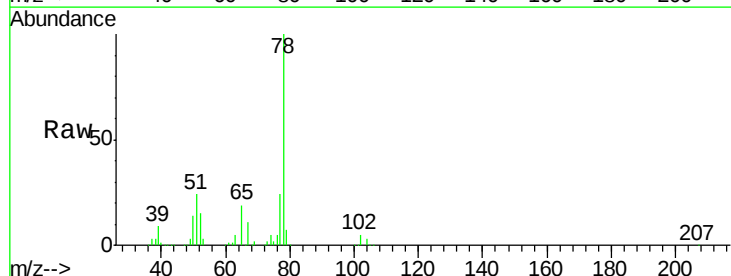
Instrument :
MSVOA_W
ClientSampleId :

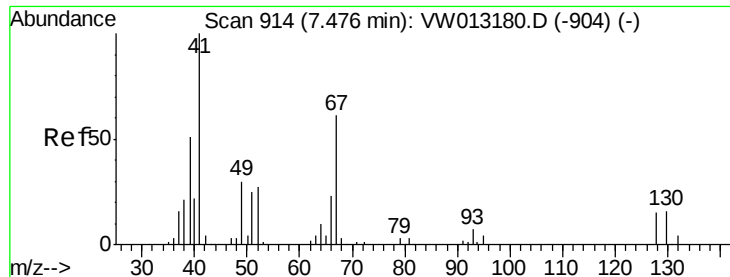
Tot Ion: 83 Resp: 106806
Ion Ratio Lower Upper
83 100
55 78.0 60.4 90.6
98 46.1 40.0 60.0



#40
Benzene
Concen: 21.015 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion: 78 Resp: 226090
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7





#41

Methacrylonitrile

Concen: 25.883 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 25323

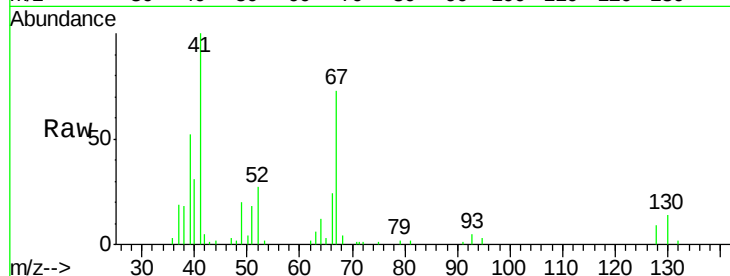
Ion Ratio Lower Upper

41 100

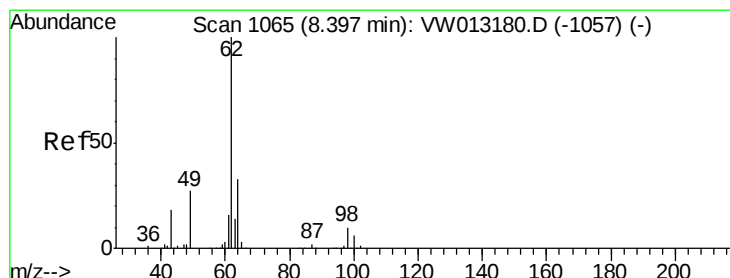
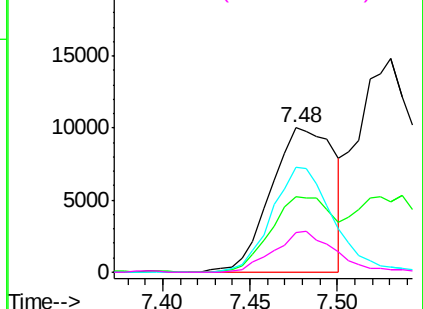
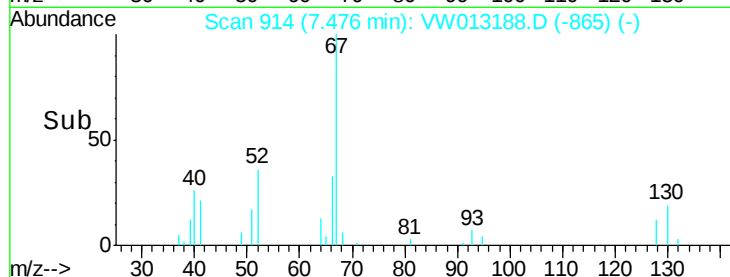
39 51.0 45.9 68.9

67 71.0 54.5 81.7

52 27.3 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: 21.747 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013188.D

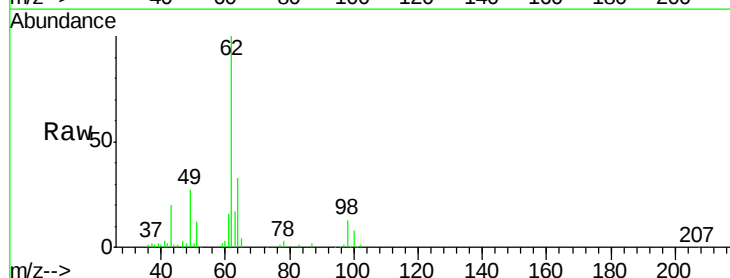
Acq: 20 Sep 2019 17:59

Tgt Ion: 62 Resp: 62895

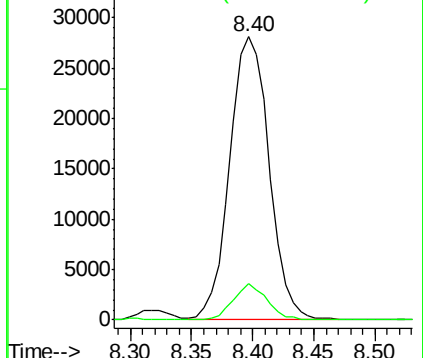
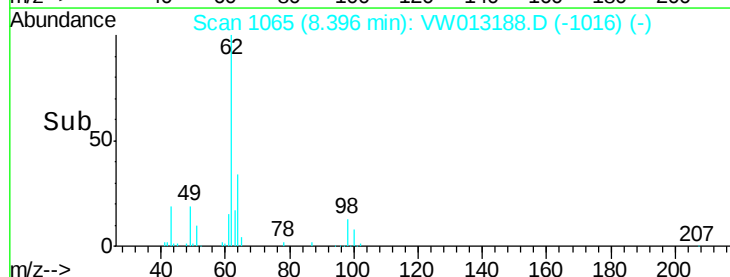
Ion Ratio Lower Upper

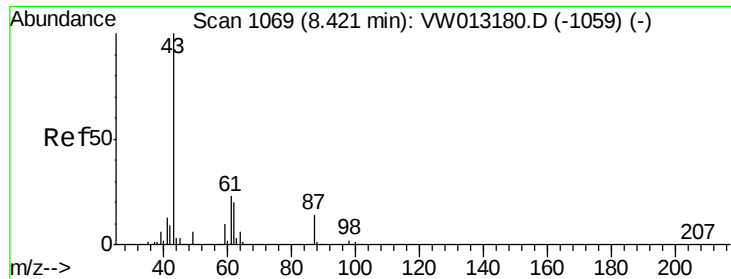
62 100

98 10.7 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: 25.395 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

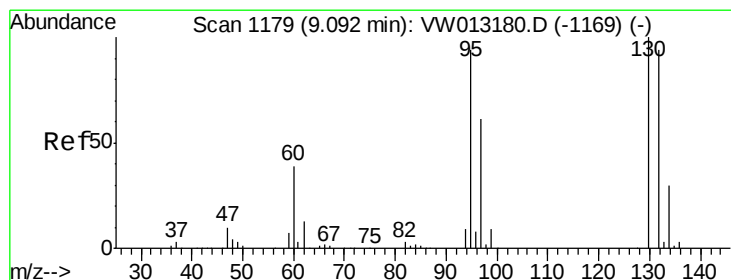
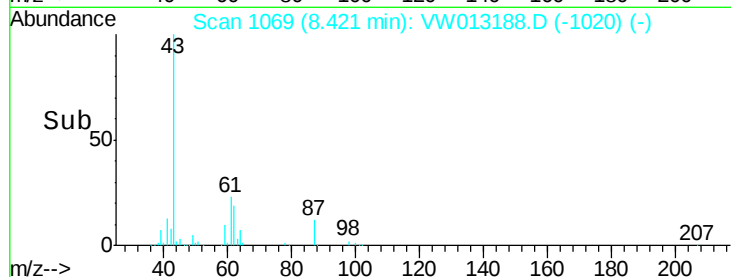
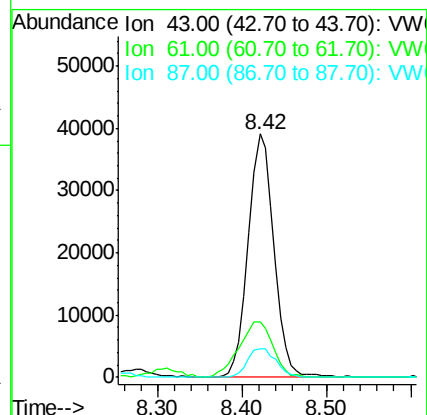
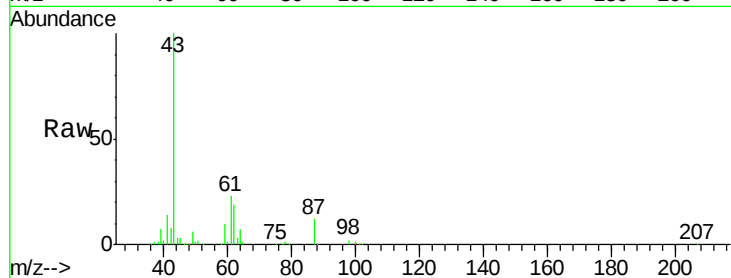
Tot Ion: 43 Resp: 79786

Ion Ratio Lower Upper

43 100

61 29.7 25.5 38.3

87 13.0 11.0 16.4



#44

Trichloroethene

Concen: 20.658 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013188.D

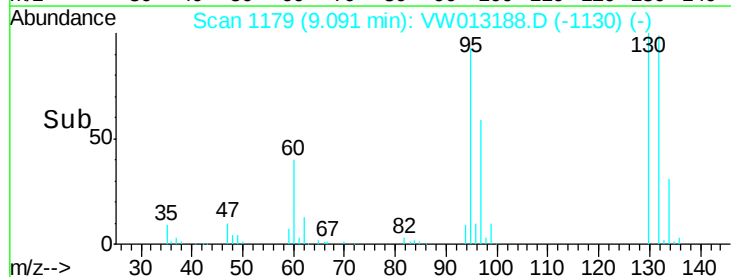
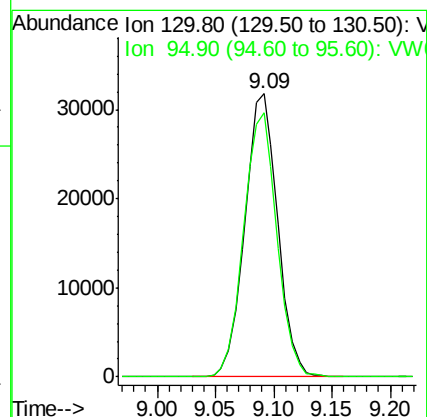
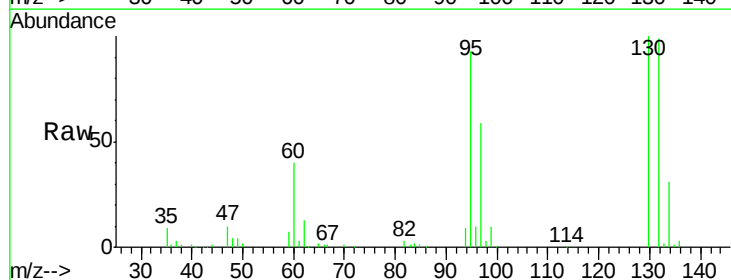
Acq: 20 Sep 2019 17:59

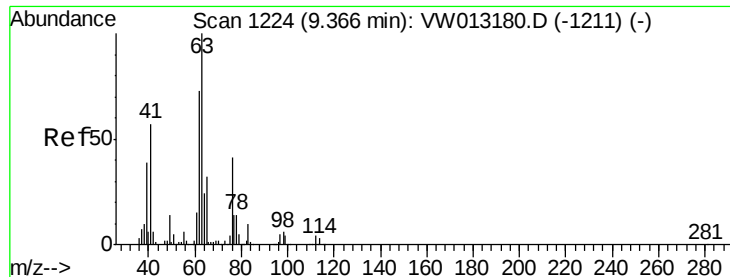
Tgt Ion: 130 Resp: 62357

Ion Ratio Lower Upper

130 100

95 93.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.324 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

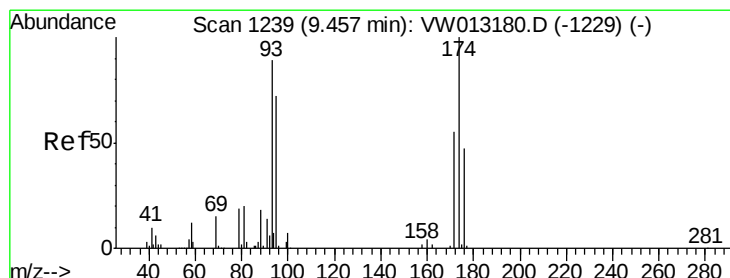
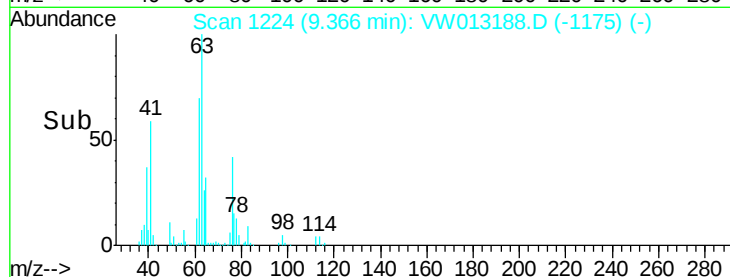
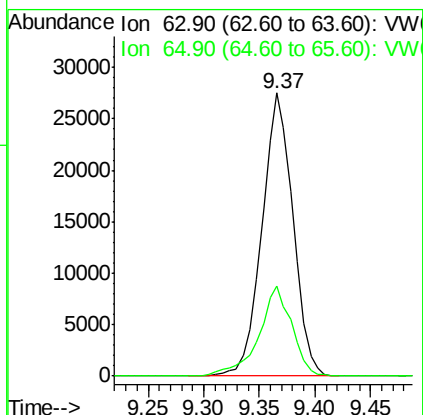
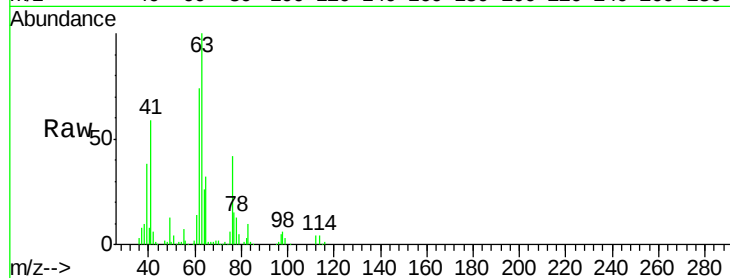
ClientSampleId :

Tot Ion: 63 Resp: 53383

Ion Ratio Lower Upper

63 100

65 32.0 25.3 37.9



#46

Dibromomethane

Concen: 22.248 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

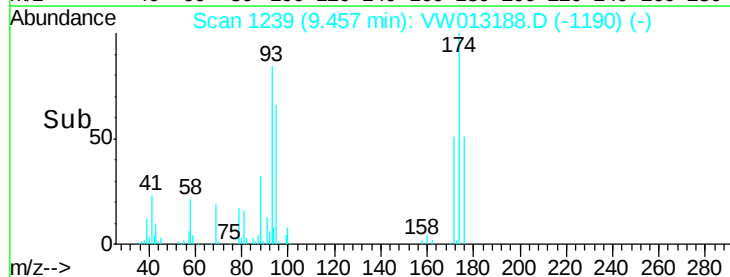
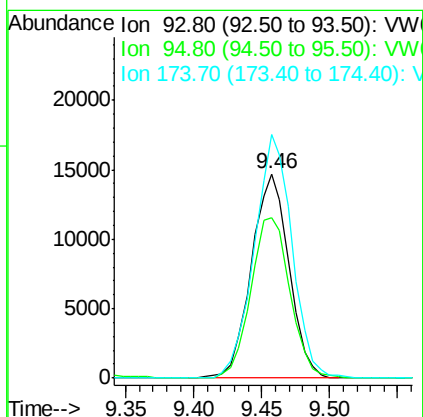
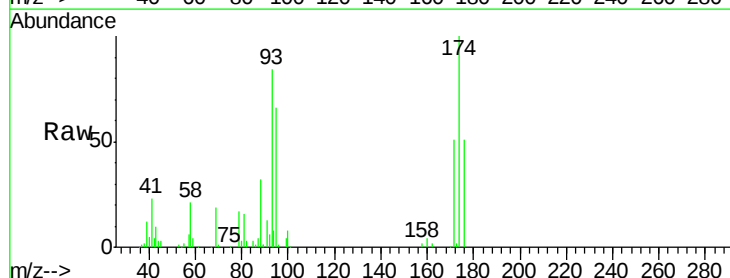
Tgt Ion: 93 Resp: 28371

Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

174 120.3 93.0 139.6





#47

Bromodichloromethane

Concen: 20.263 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampleId :

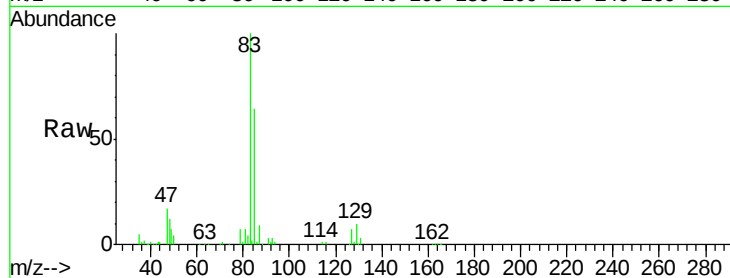
Tot Ion: 83 Resp: 65751

Ion Ratio Lower Upper

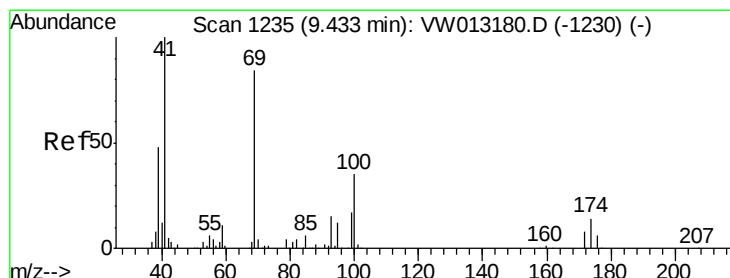
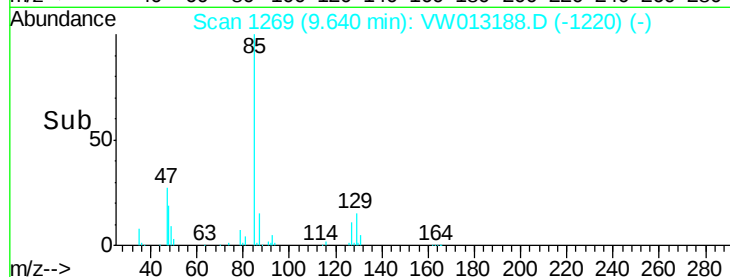
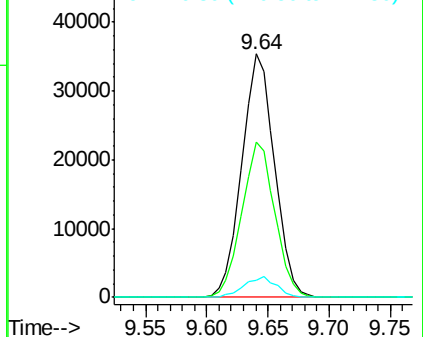
83 100

85 63.7 49.4 74.2

127 7.0 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: 24.445 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

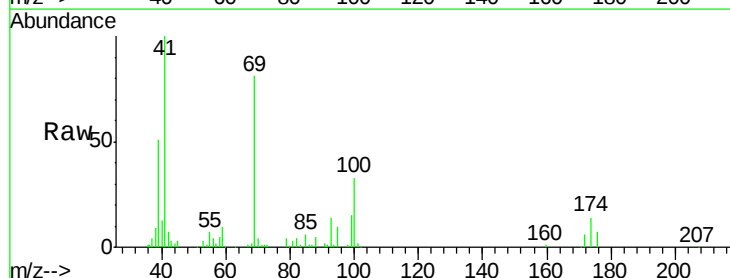
Tgt Ion: 41 Resp: 36114

Ion Ratio Lower Upper

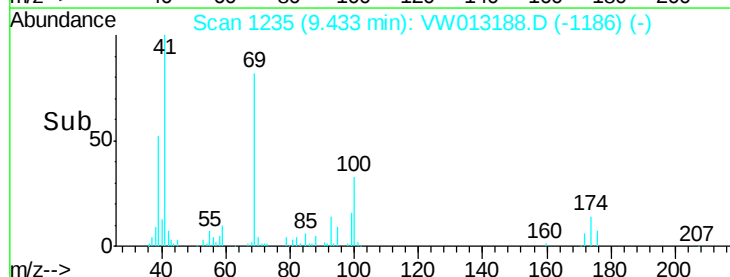
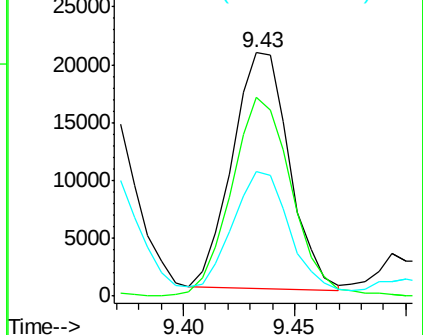
41 100

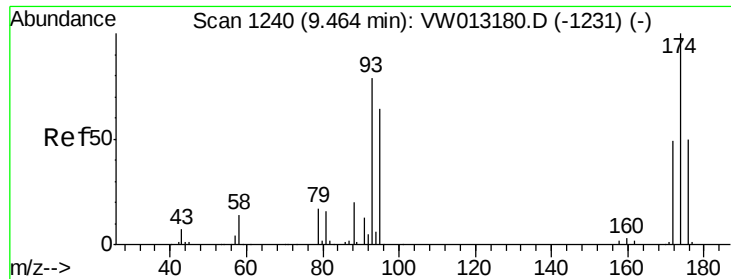
69 90.2 69.7 104.5

39 49.4 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: 632.433 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

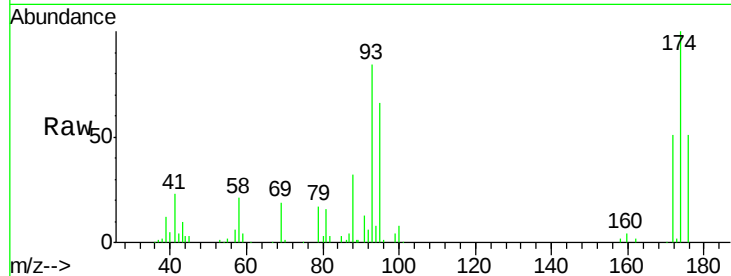
Tot Ion: 88 Resp: 12106

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

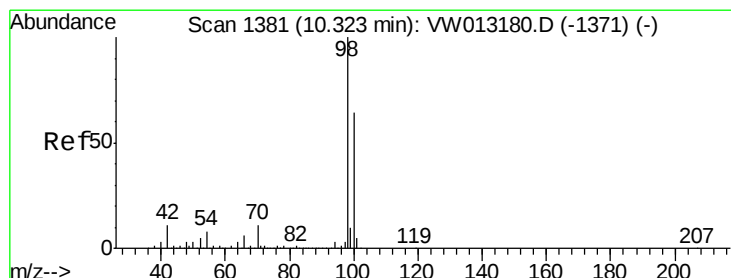
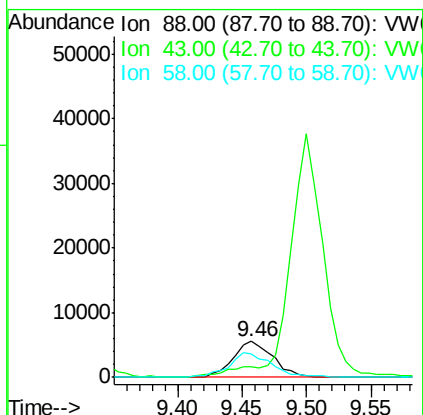
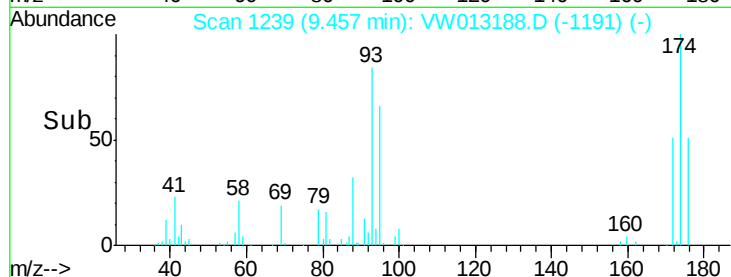
58 73.3 65.4 98.0



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: 49.168 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013188.D

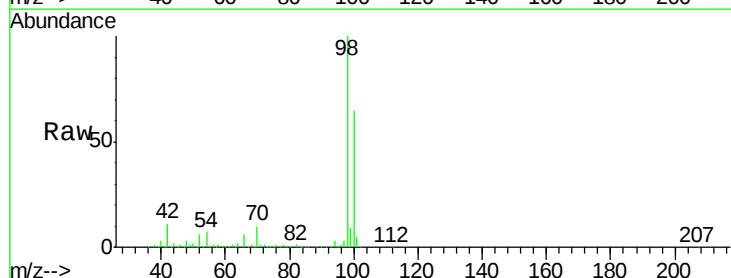
Acq: 20 Sep 2019 17:59

Tgt Ion: 98 Resp: 450699

Ion Ratio Lower Upper

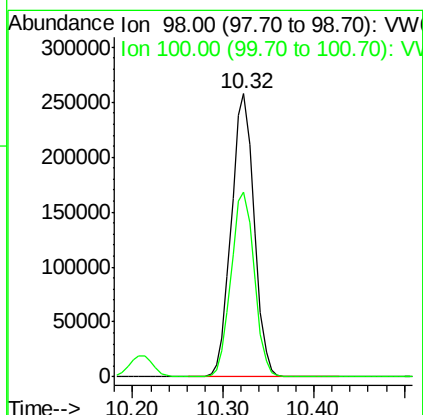
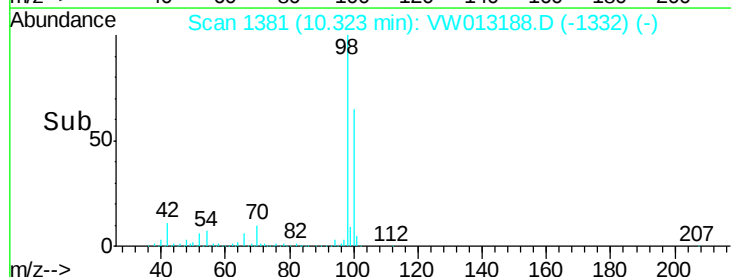
98 100

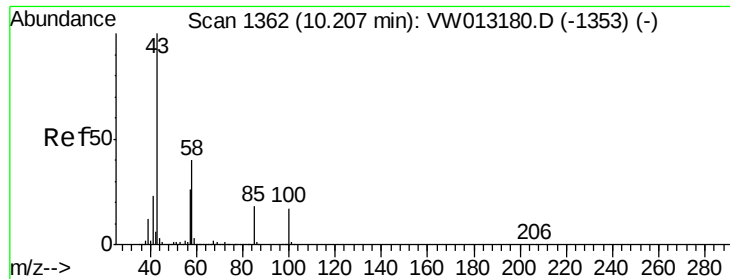
100 66.4 52.9 79.3



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: 136.718 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

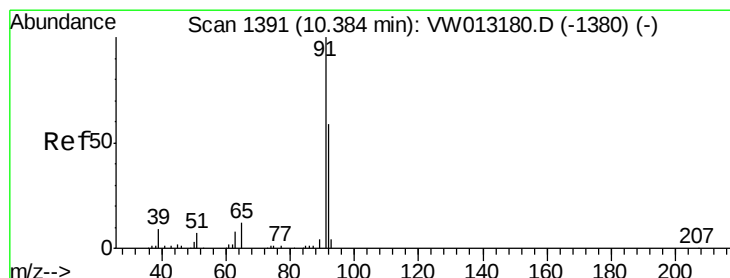
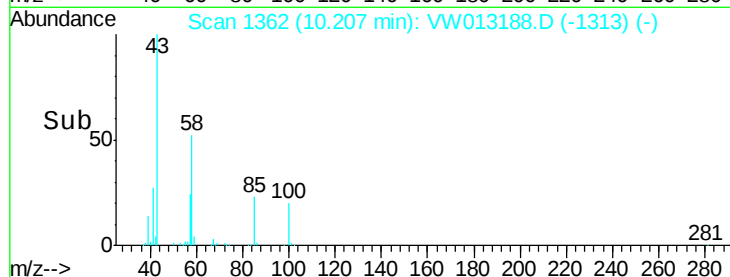
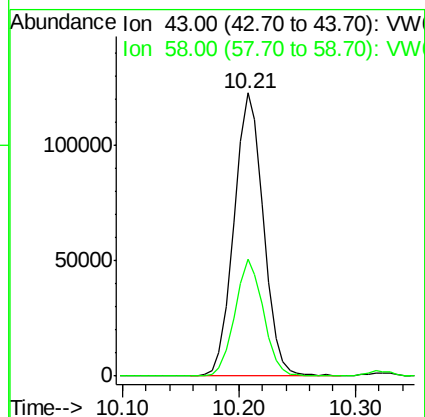
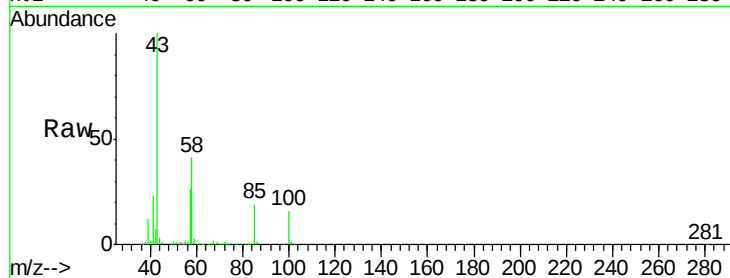
ClientSampled :

Tot Ion: 43 Resp: 215340

Ion Ratio Lower Upper

43 100

58 40.2 31.7 47.5



#52

Toluene

Concen: 21.005 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013188.D

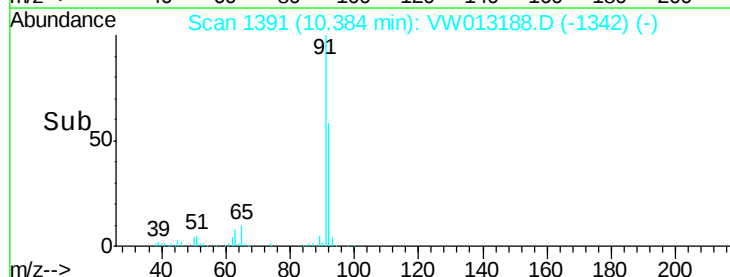
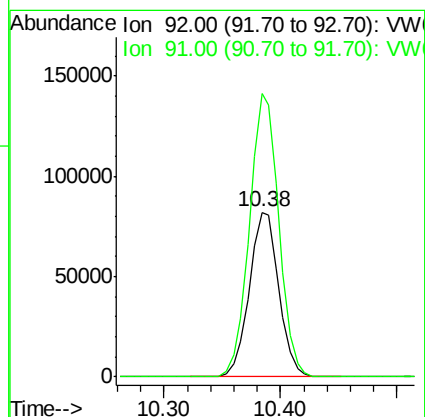
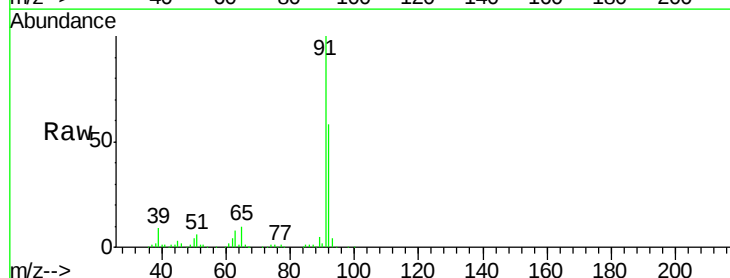
Acq: 20 Sep 2019 17:59

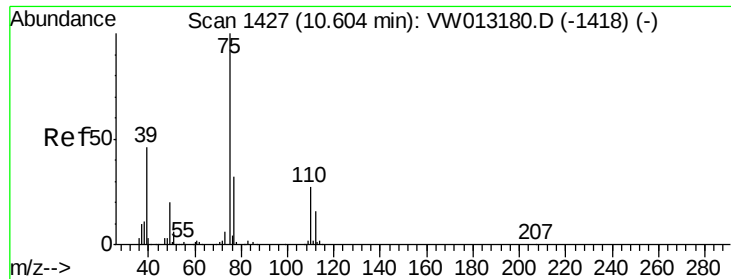
Tgt Ion: 92 Resp: 144833

Ion Ratio Lower Upper

92 100

91 170.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 21.350 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

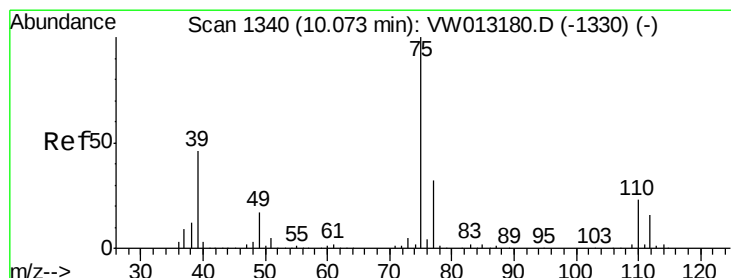
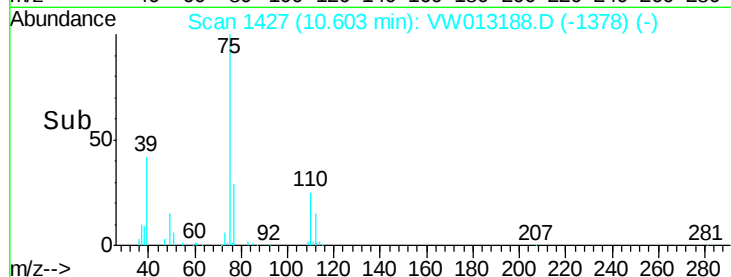
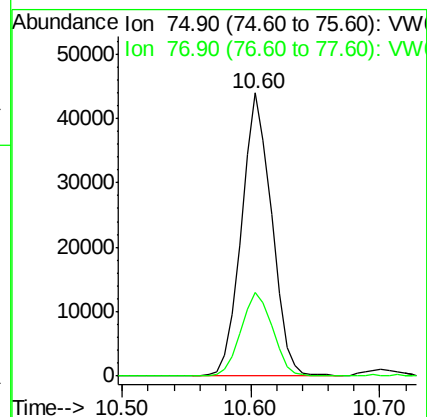
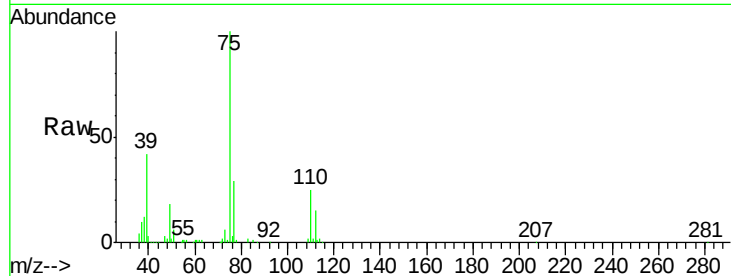
ClientSampleId :

Tot Ion: 75 Resp: 71176

Ion Ratio Lower Upper

75 100

77 29.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.965 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

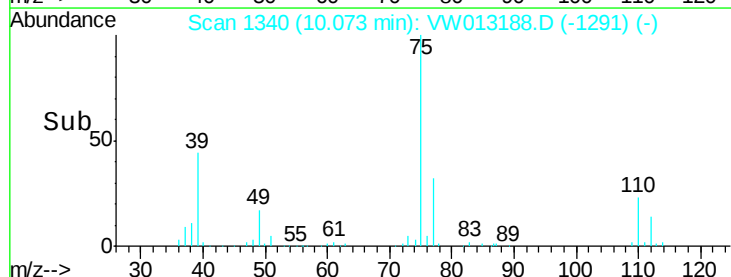
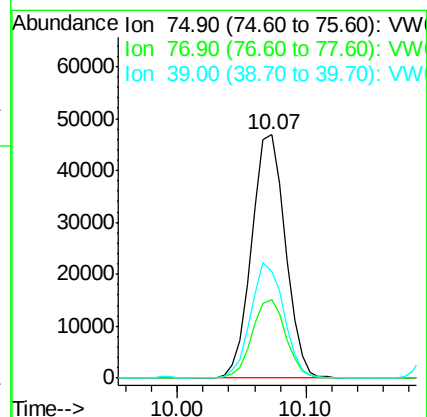
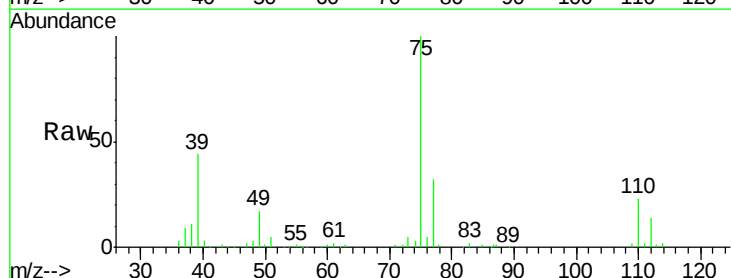
Tgt Ion: 75 Resp: 84978

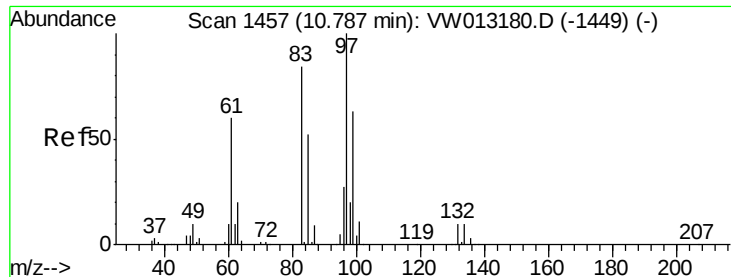
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 43.8 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 22.565 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 43010

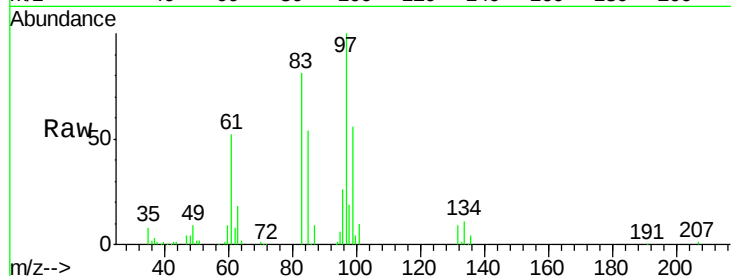
Ion Ratio Lower Upper

97 100

83 81.0 67.6 101.4

85 53.8 41.9 62.9

99 55.6 50.1 75.1

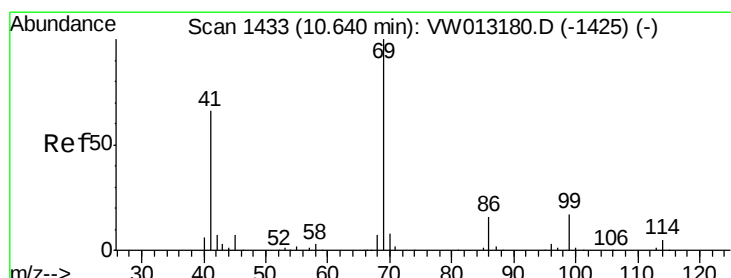
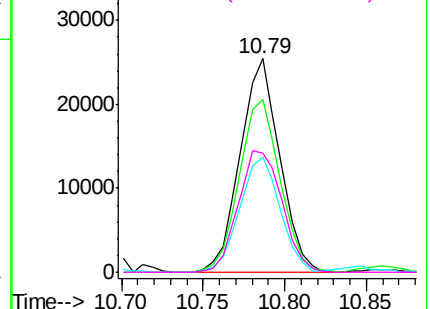
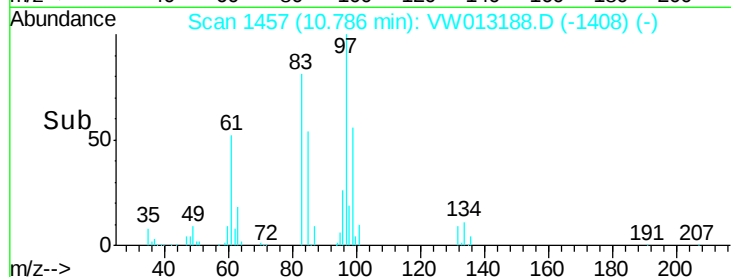


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 24.285 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

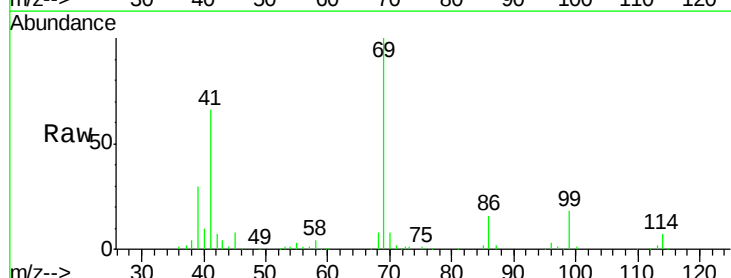
Tgt Ion: 69 Resp: 60580

Ion Ratio Lower Upper

69 100

41 67.0 53.9 80.9

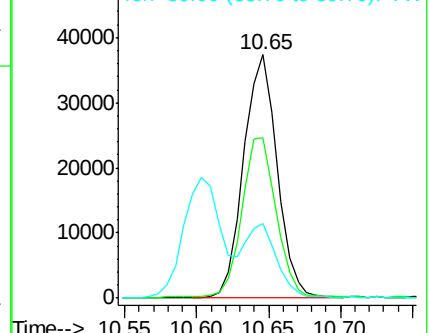
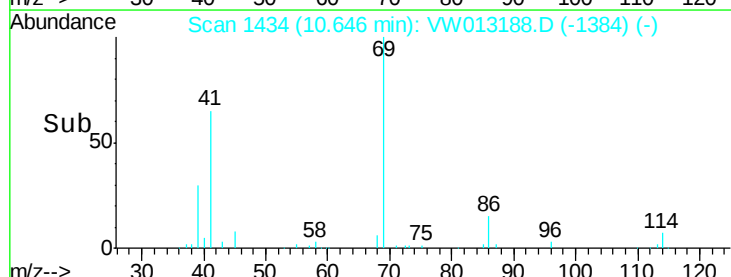
39 28.4 23.8 35.6

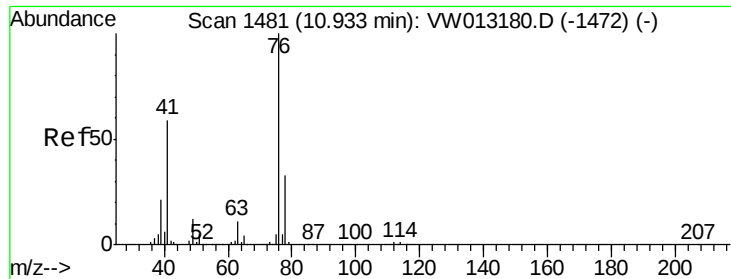


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

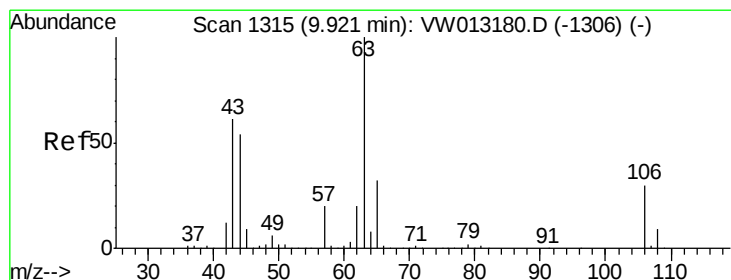
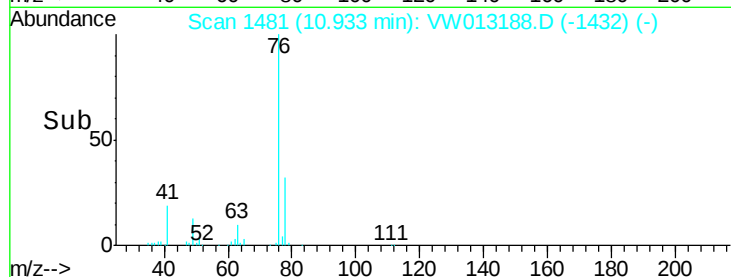
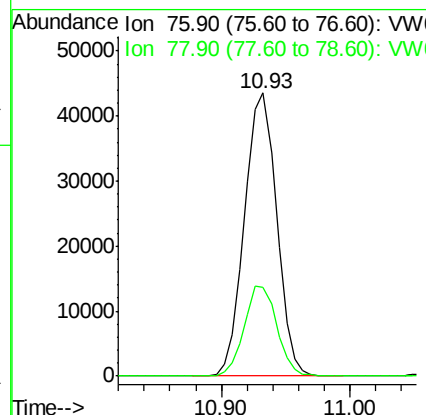
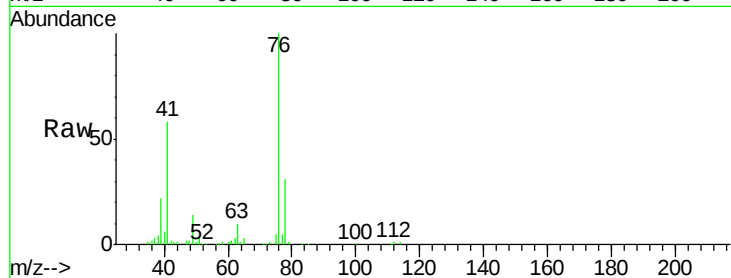




#57
 1,3-Dichloropropane
 Concen: 22.635 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

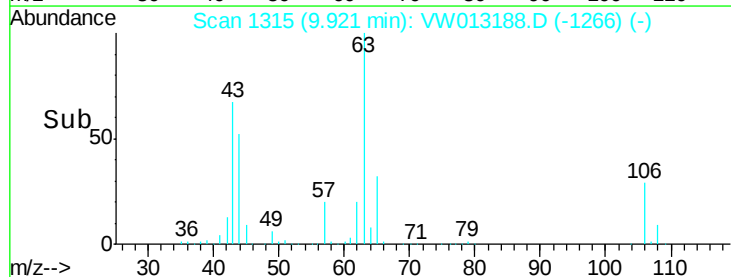
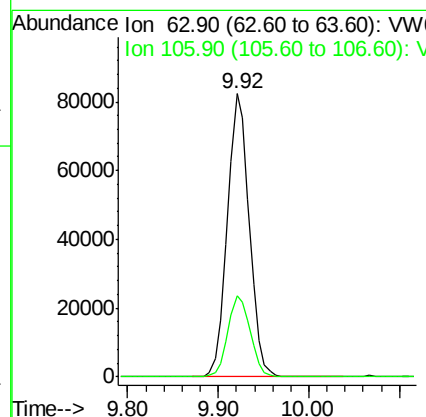
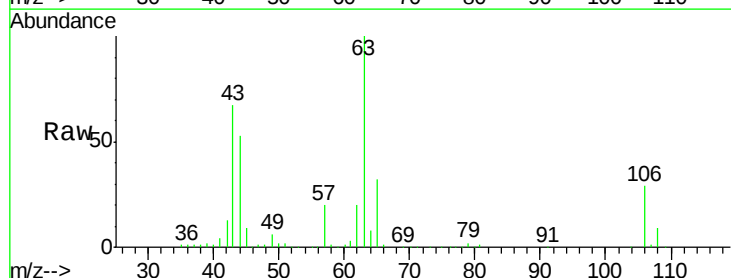
Instrument :
 MSVOA_W
 ClientSampleId :

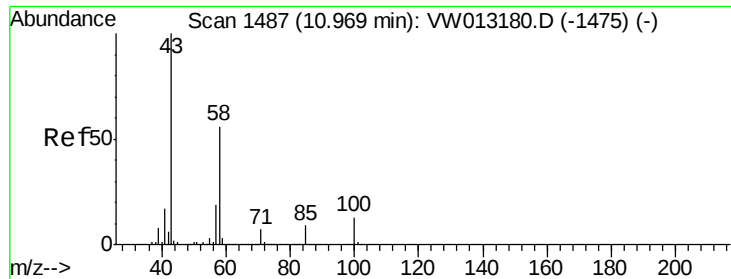
Tot Ion: 76 Resp: 75287
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.743 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion: 63 Resp: 138281
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0





#59

2-Hexanone

Concen: 141.896 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

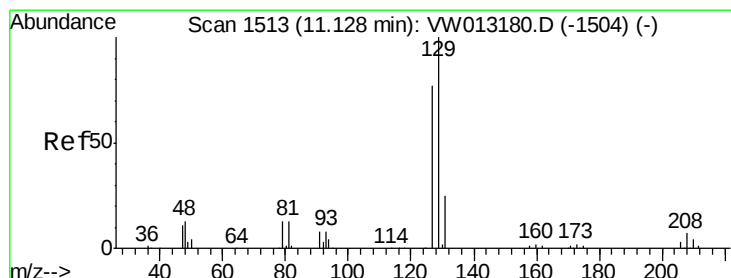
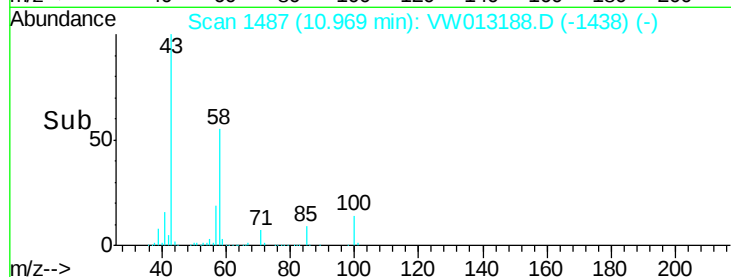
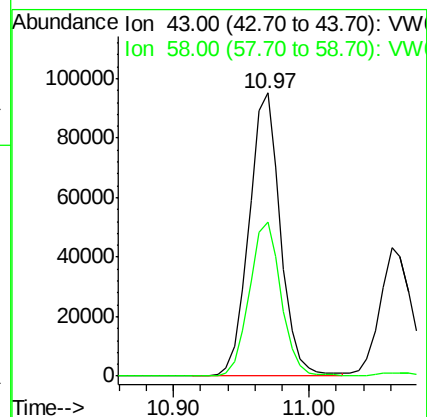
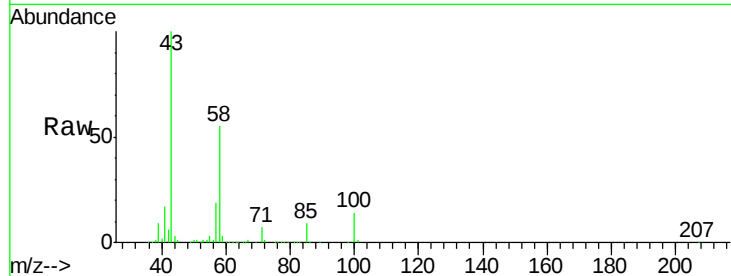
ClientSampleId :

Tot Ion: 43 Resp: 153764

Ion Ratio Lower Upper

43 100

58 55.3 28.1 84.2



#60

Dibromochloromethane

Concen: 21.442 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013188.D

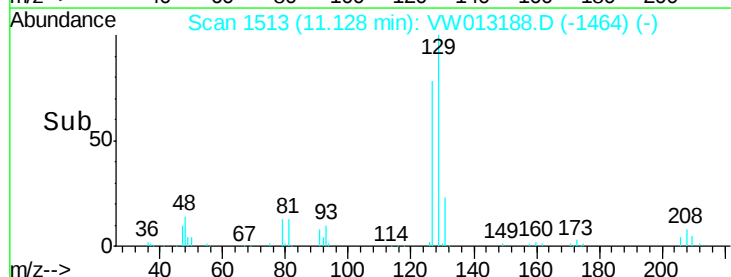
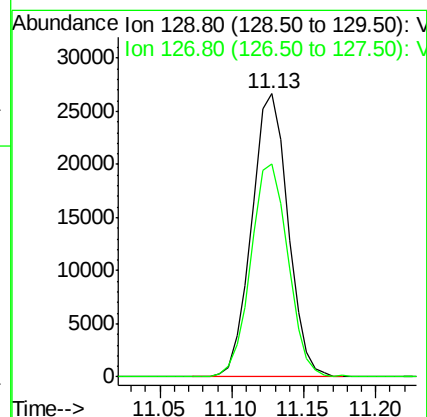
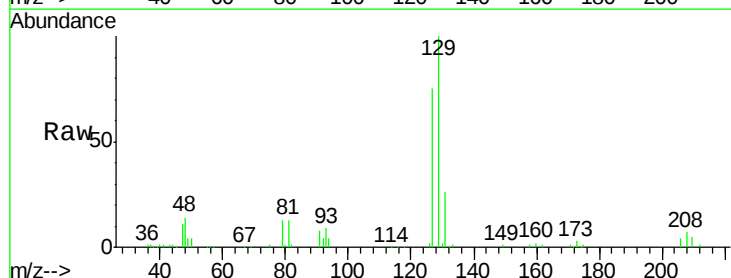
Acq: 20 Sep 2019 17:59

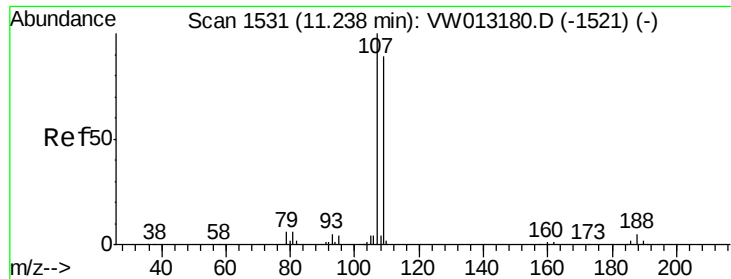
Tgt Ion: 129 Resp: 46407

Ion Ratio Lower Upper

129 100

127 77.2 38.8 116.4

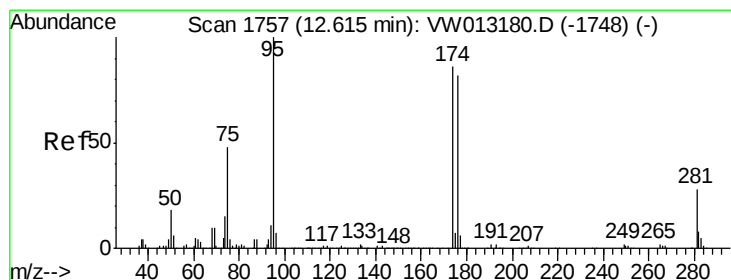
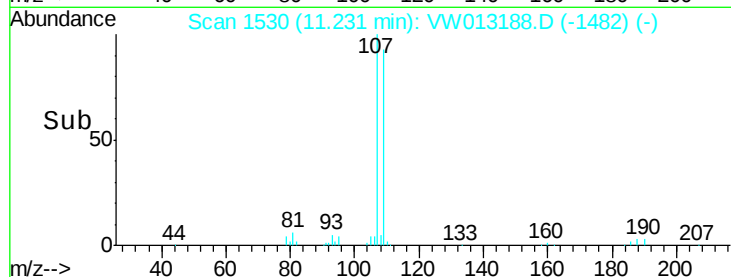
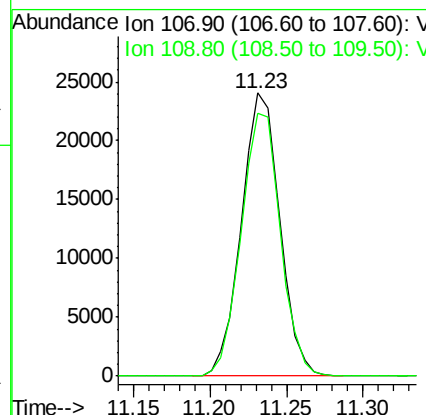
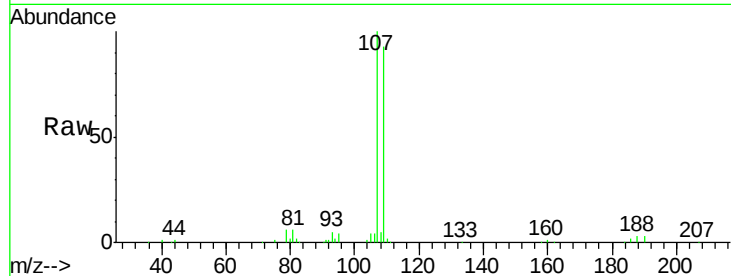




#61
 1,2-Dibromoethane
 Concen: 23.139 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

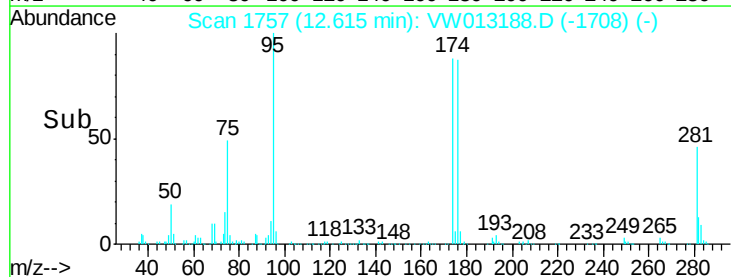
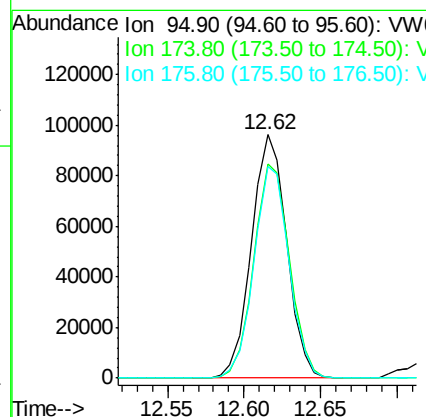
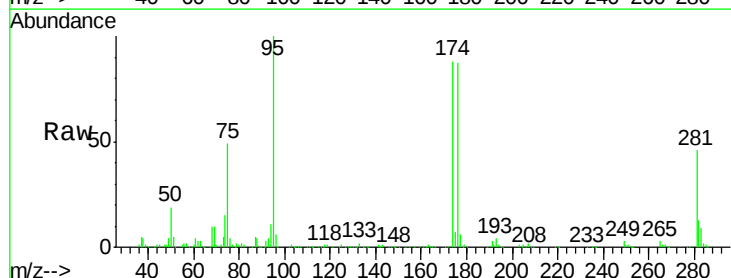
Instrument :
 MSVOA_W
 ClientSampled :

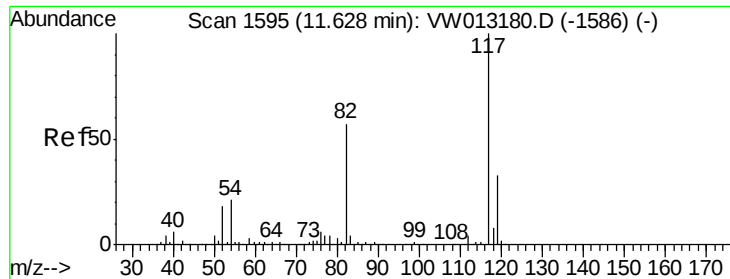
Tot Ion:107 Resp: 41933
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.267 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion: 95 Resp: 154263
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 178.4
 176 86.5 0.0 172.2

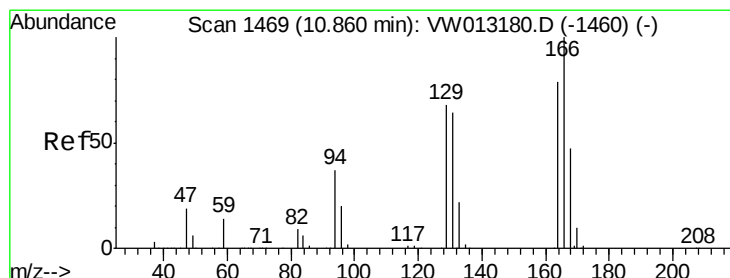
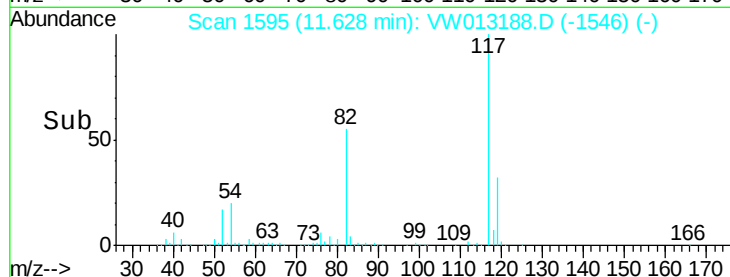
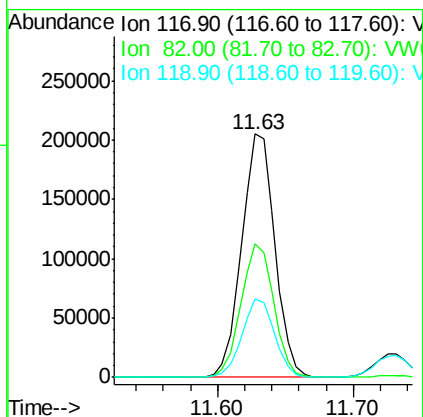
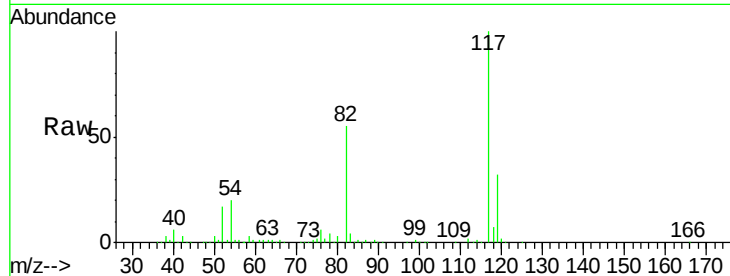




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

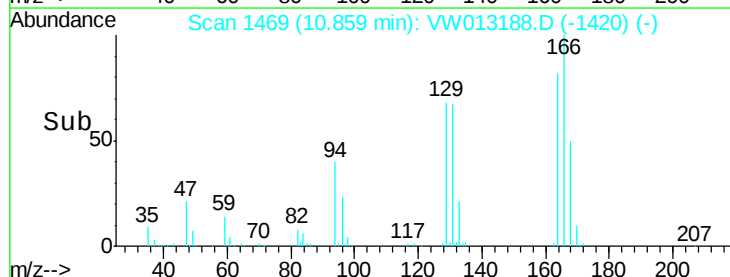
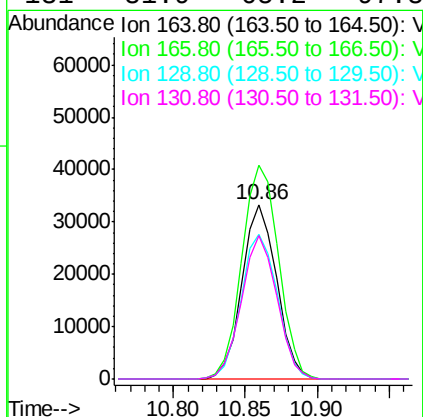
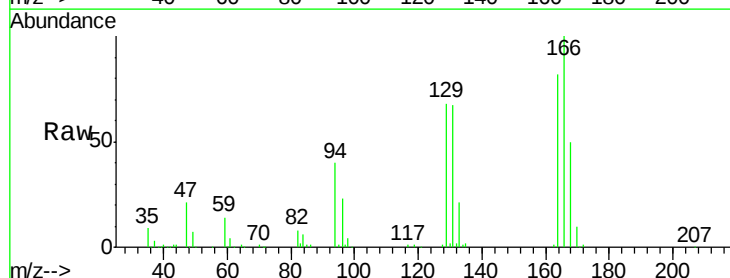
Instrument :
MSVOA_W
ClientSampleId :

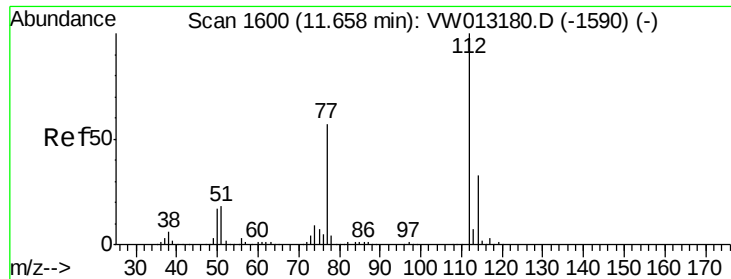
Tot Ion:117 Resp: 349748
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 20.864 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion:164 Resp: 55366
Ion Ratio Lower Upper
164 100
166 122.5 101.2 151.8
129 82.7 68.8 103.2
131 81.9 65.2 97.8

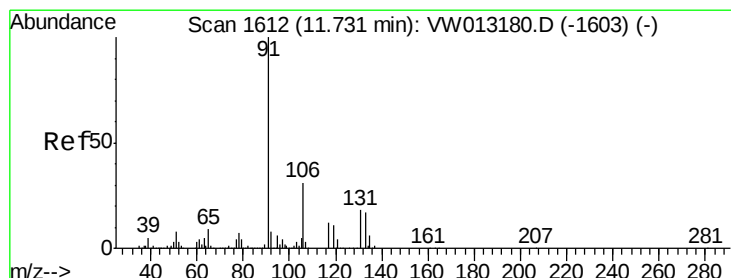
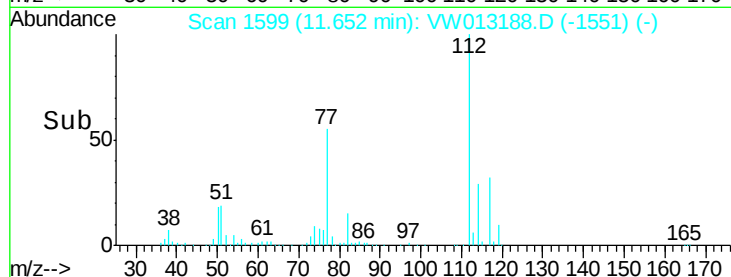
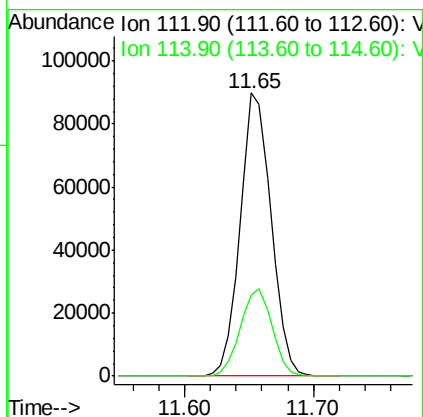
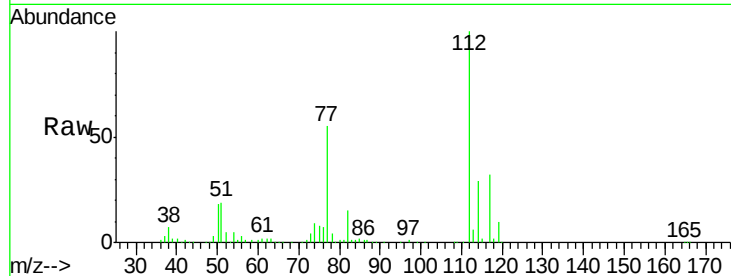




#65
Chlorobenzene
Concen: 20.430 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

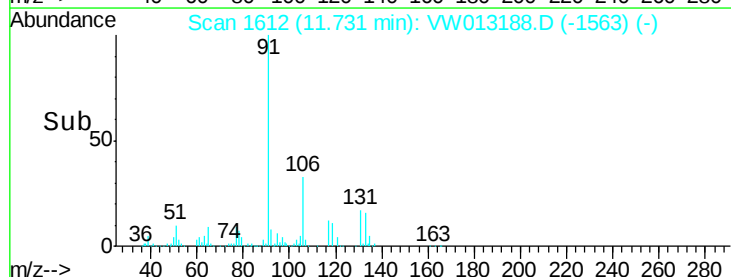
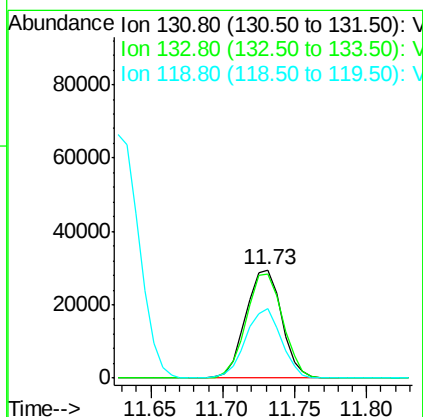
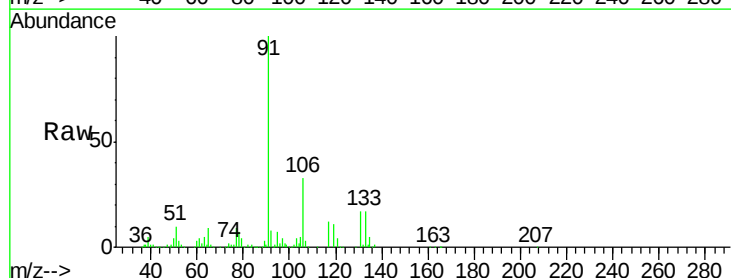
Instrument :
MSVOA_W
ClientSampleId :

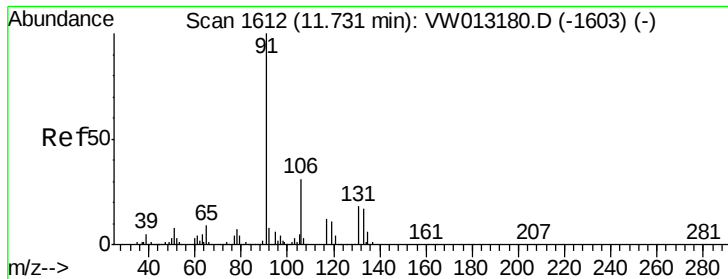
Tot Ion:112 Resp: 149211
Ion Ratio Lower Upper
112 100
114 28.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.436 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion:131 Resp: 50989
Ion Ratio Lower Upper
131 100
133 98.2 47.5 142.6
119 63.3 32.5 97.5

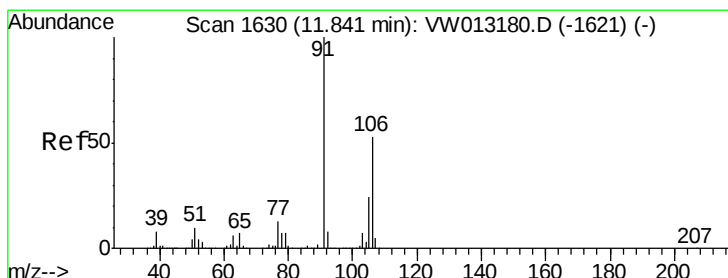
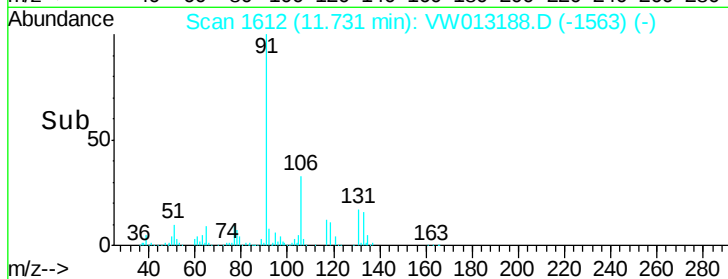
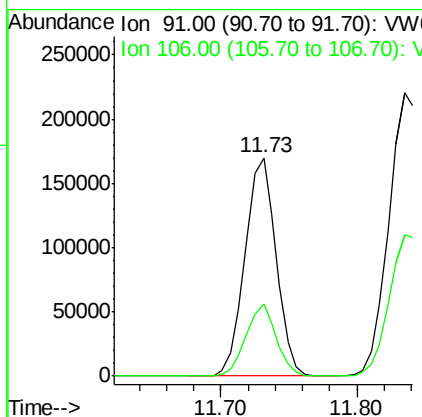
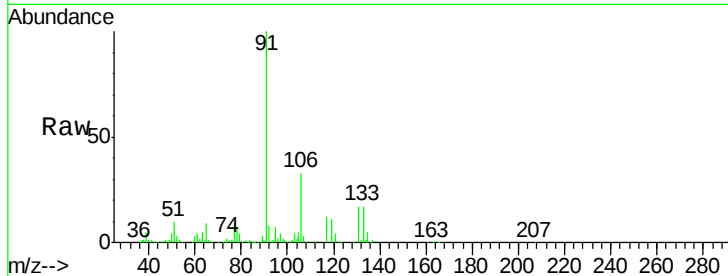




#67
Ethyl Benzene
Concen: 20.603 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

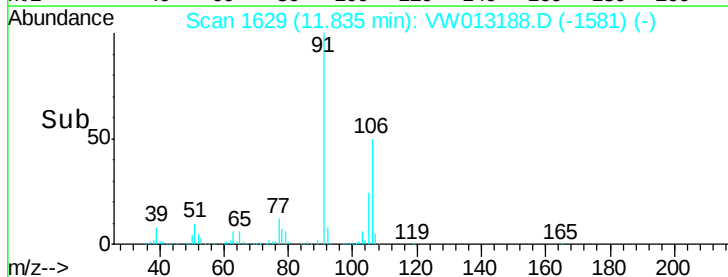
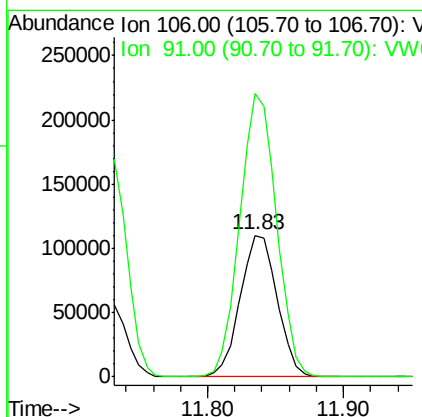
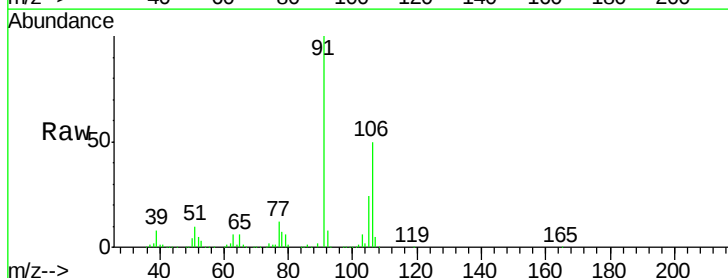
Instrument :
MSVOA_W
ClientSampled :

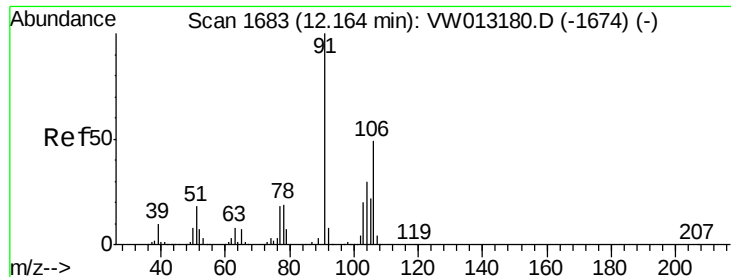
Tot Ion: 91 Resp: 272643
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3



#68
m/p-Xylenes
Concen: 41.514 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion: 106 Resp: 209338
Ion Ratio Lower Upper
106 100
91 198.4 157.9 236.9

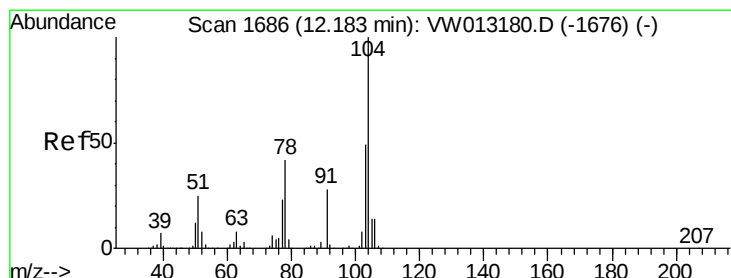
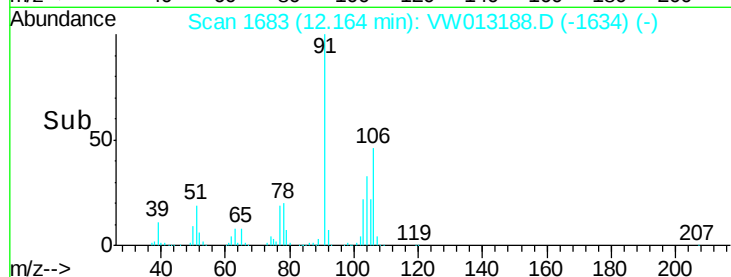
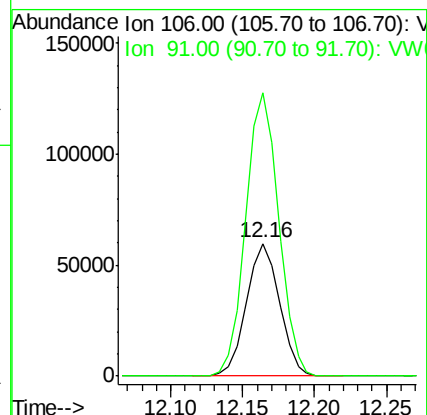
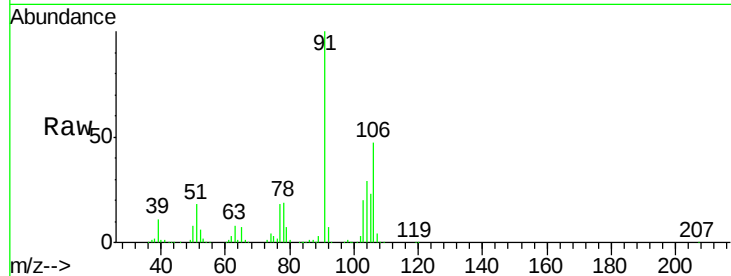




#69
o-Xylene
Concen: 20.291 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

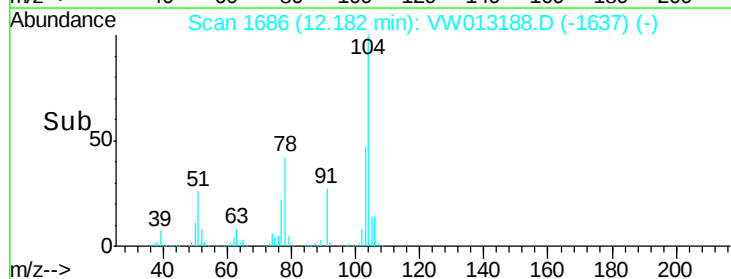
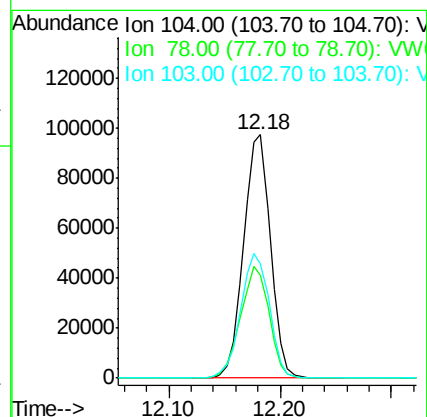
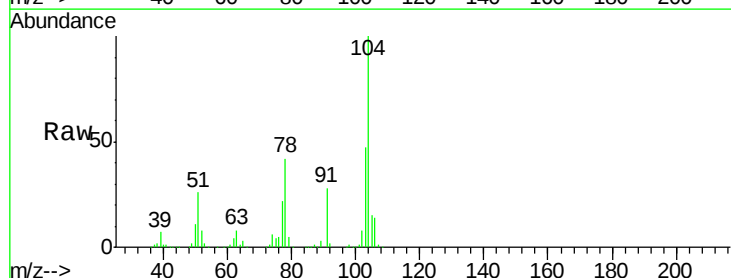
Instrument :
MSVOA_W
ClientSampleId :

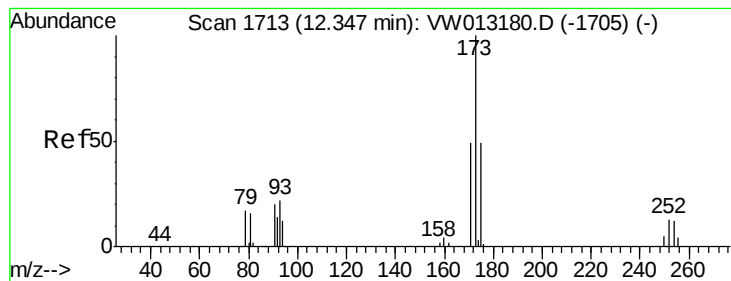
Tot Ion:106 Resp: 95129
Ion Ratio Lower Upper
106 100
91 213.1 106.5 319.5



#70
Styrene
Concen: 20.234 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion:104 Resp: 162862
Ion Ratio Lower Upper
104 100
78 49.1 38.4 57.6
103 54.7 43.3 64.9





#71

Bromoform

Concen: 22.754 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

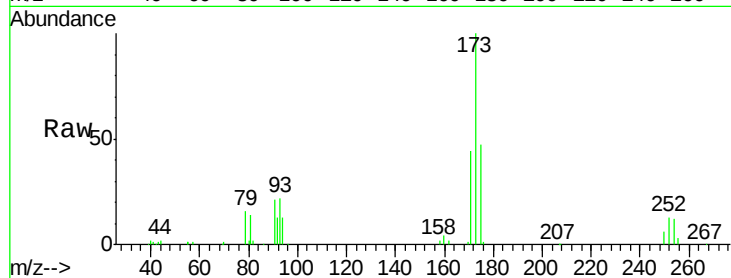
Tot Ion:173 Resp: 29993

Ion Ratio Lower Upper

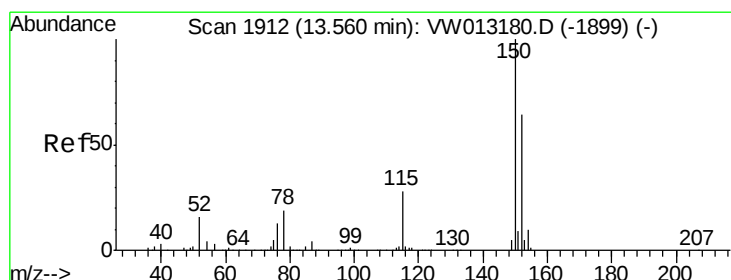
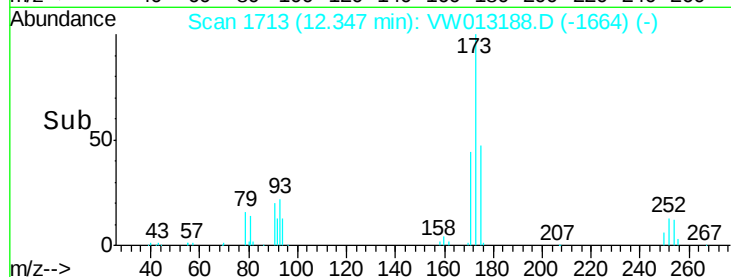
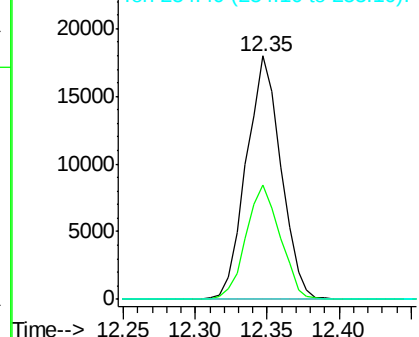
173 100

175 46.1 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

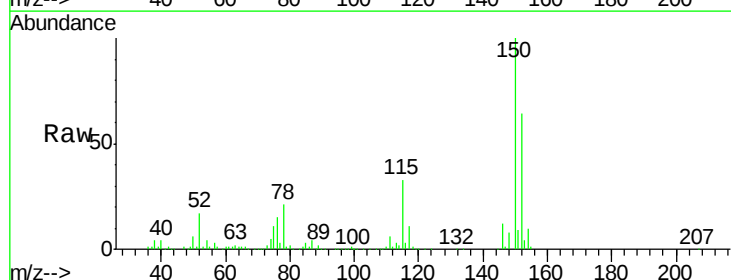
Tgt Ion:152 Resp: 179439

Ion Ratio Lower Upper

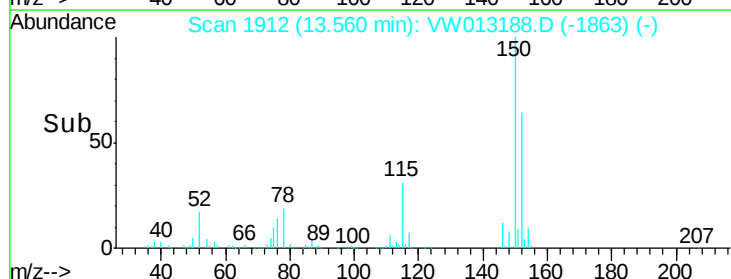
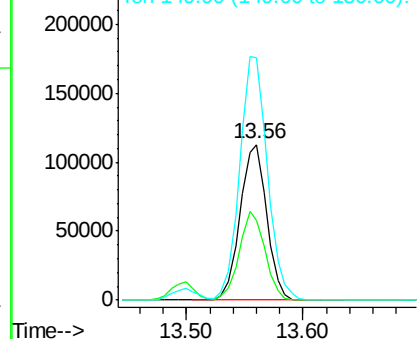
152 100

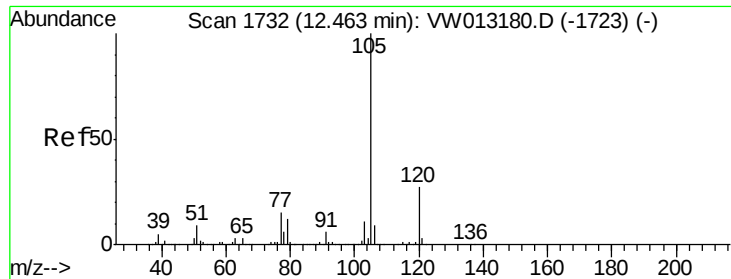
115 55.2 27.3 81.9

150 163.5 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: 20.620 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

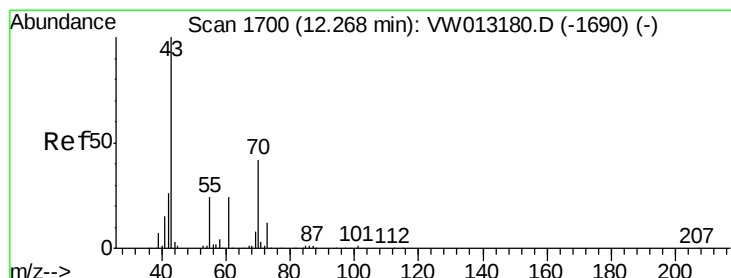
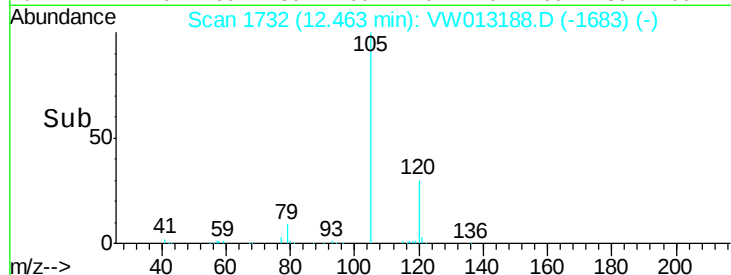
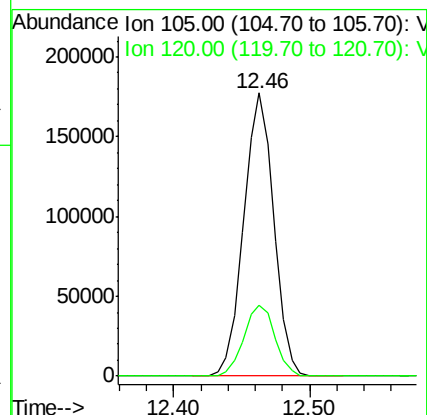
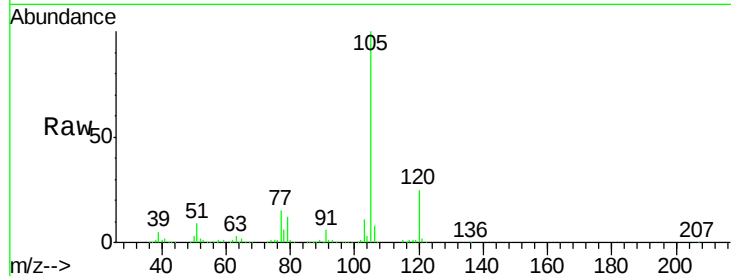
ClientSampleId :

Tot Ion:105 Resp: 273322

Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1



#74

N-ethyl acetate

Concen: 23.977 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Tgt Ion: 43 Resp: 70525

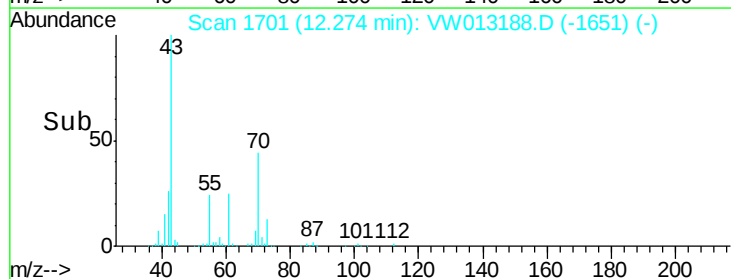
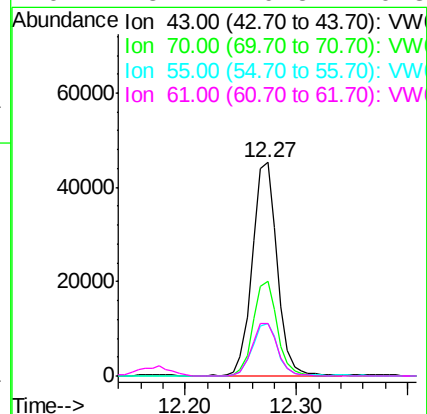
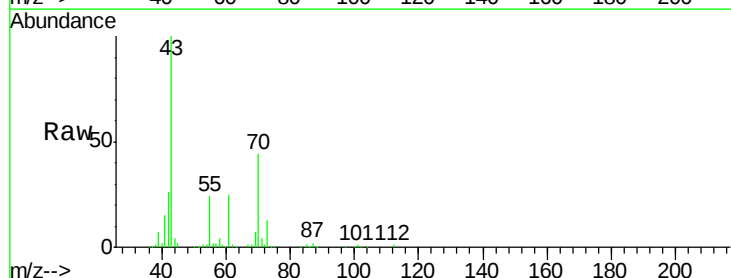
Ion Ratio Lower Upper

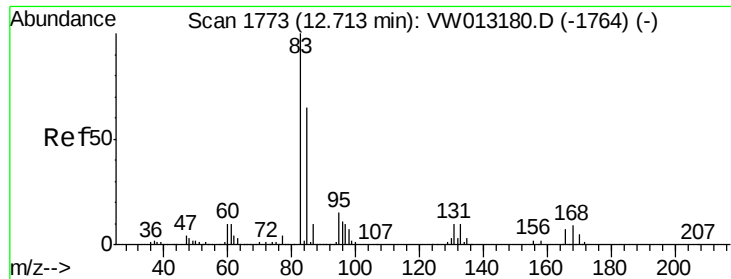
43 100

70 43.1 35.1 52.7

55 24.9 19.9 29.9

61 25.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 24.165 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

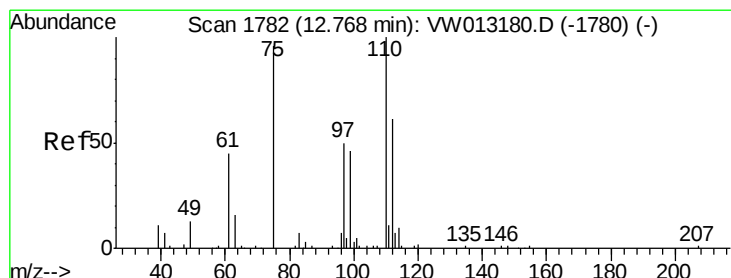
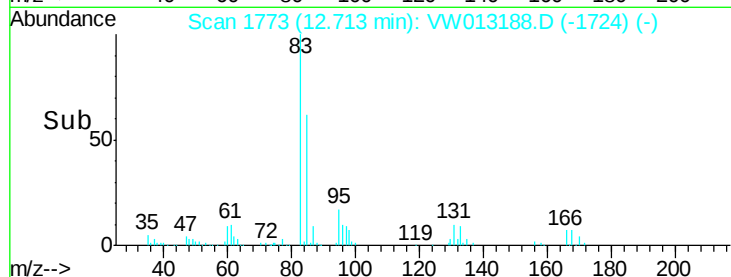
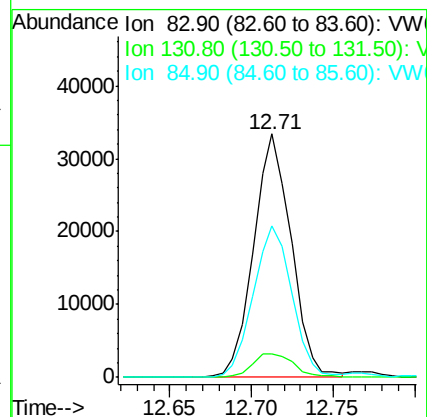
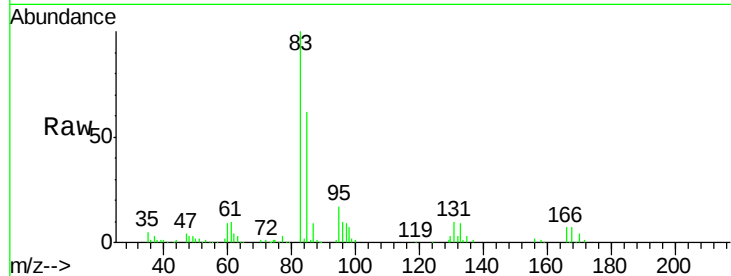
Tot Ion: 83 Resp: 53571

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 63.8 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 41.928 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013188.D

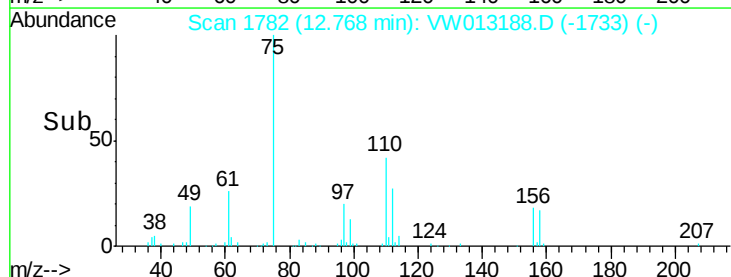
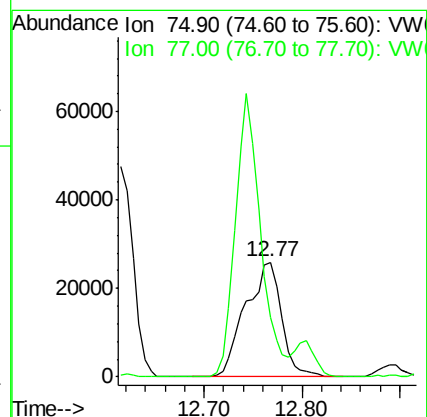
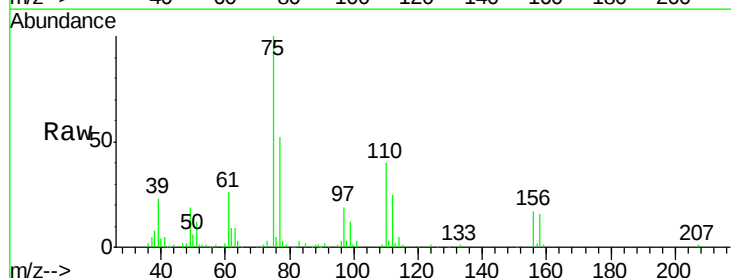
Acq: 20 Sep 2019 17:59

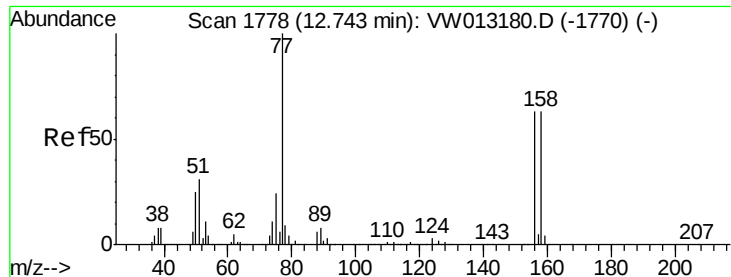
Tgt Ion: 75 Resp: 66442

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.756 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

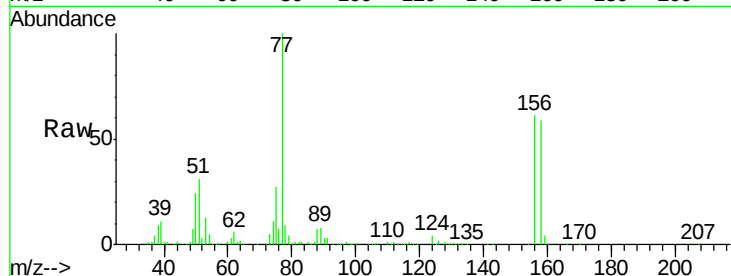
Tot Ion:156 Resp: 65196

Ion Ratio Lower Upper

156 100

77 176.8 85.7 257.1

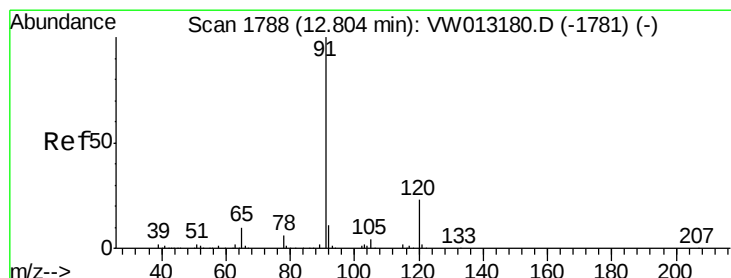
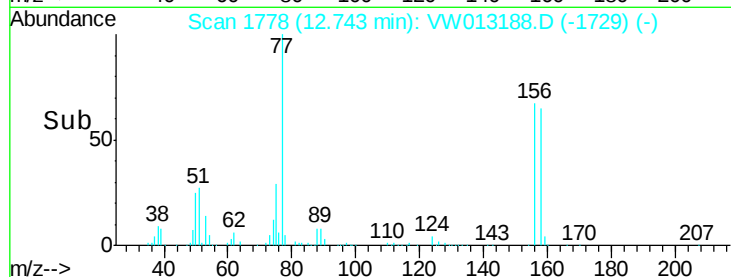
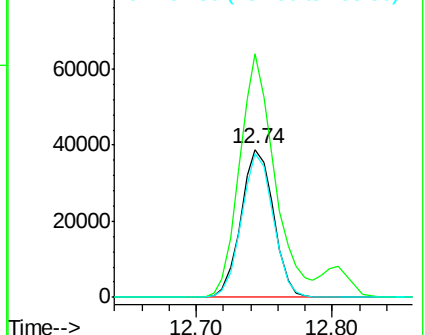
158 95.1 48.1 144.4



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: 20.734 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013188.D

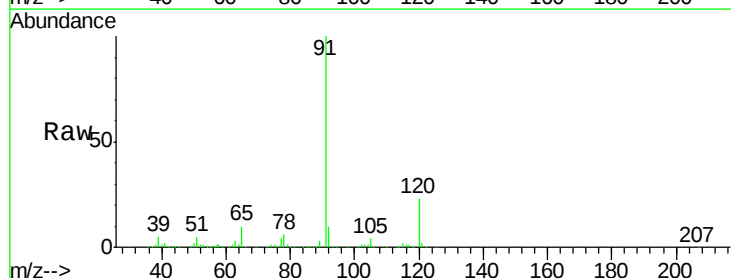
Acq: 20 Sep 2019 17:59

Tgt Ion: 91 Resp: 321708

Ion Ratio Lower Upper

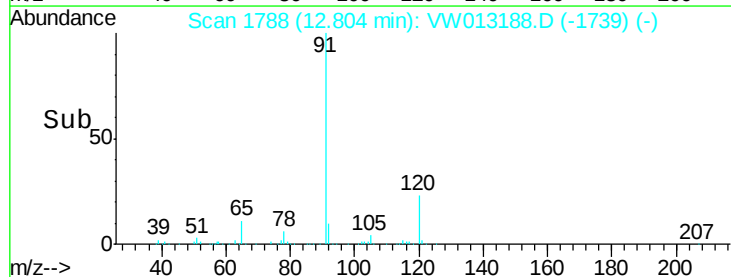
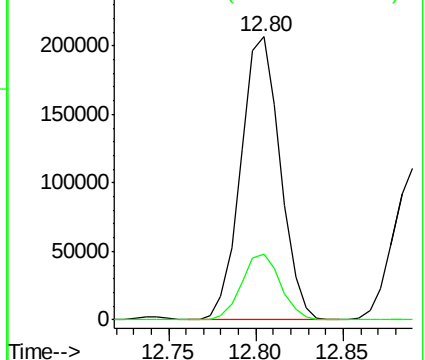
91 100

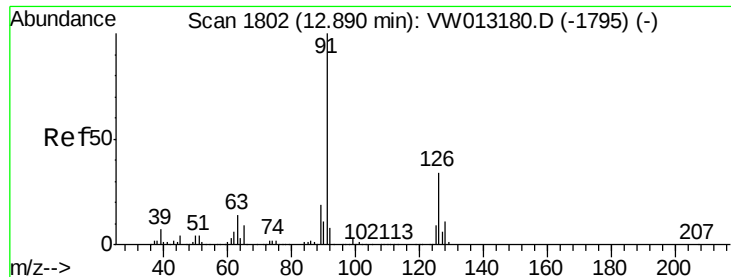
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.589 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

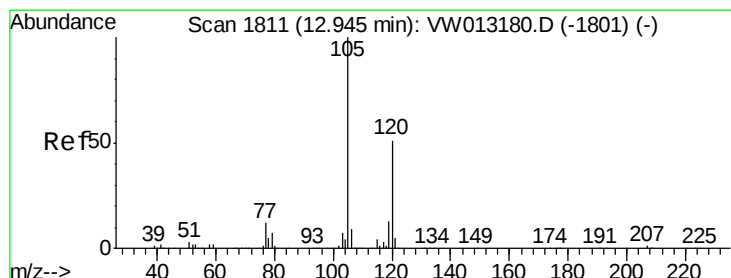
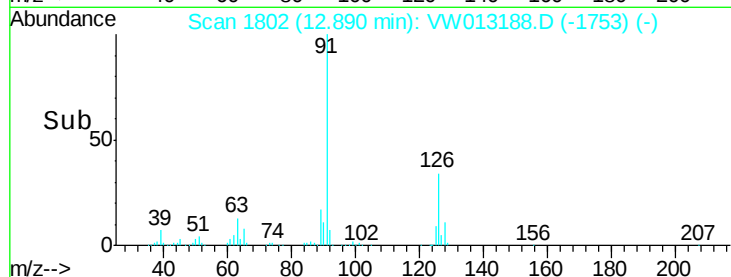
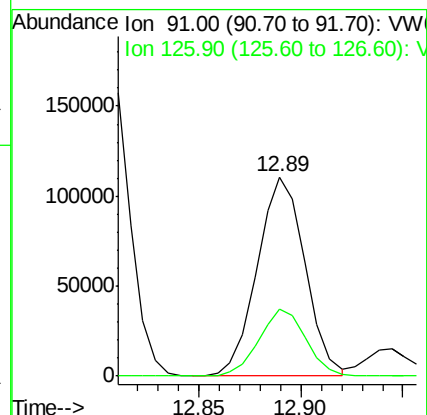
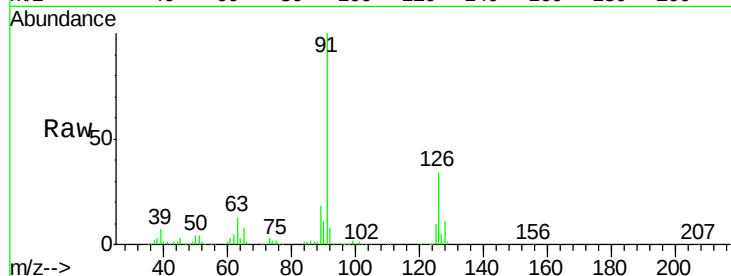
ClientSampled :

Tot Ion: 91 Resp: 178971

Ion Ratio Lower Upper

91 100

126 33.4 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 20.575 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013188.D

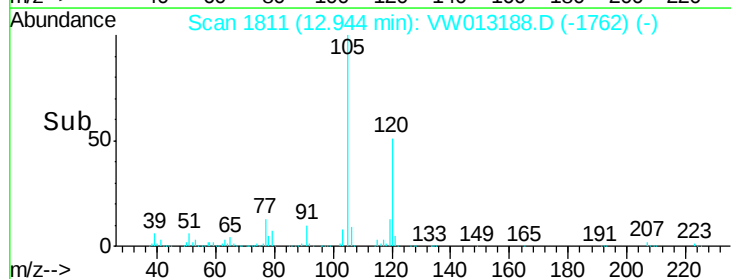
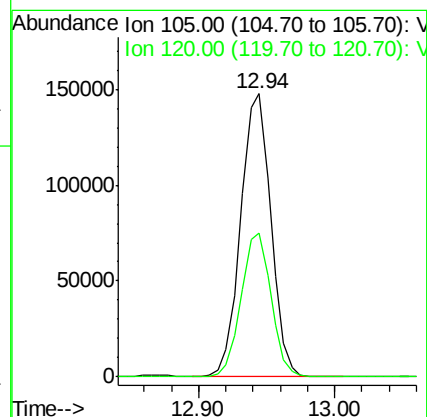
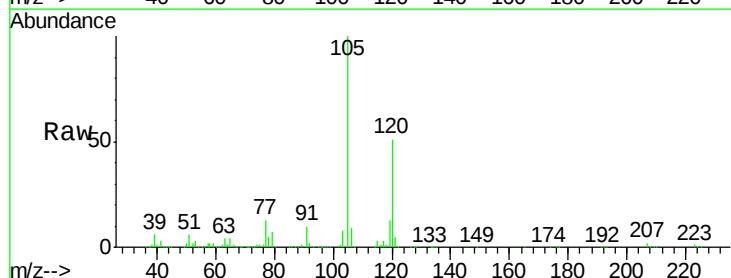
Acq: 20 Sep 2019 17:59

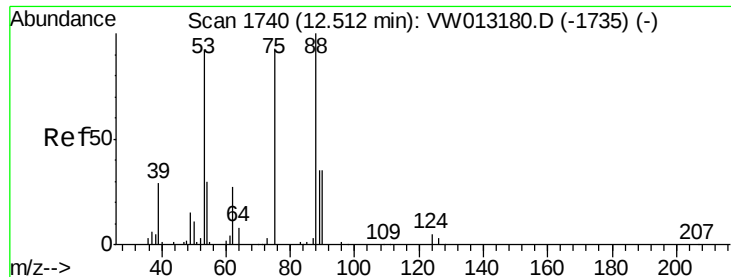
Tgt Ion:105 Resp: 229259

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.211 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

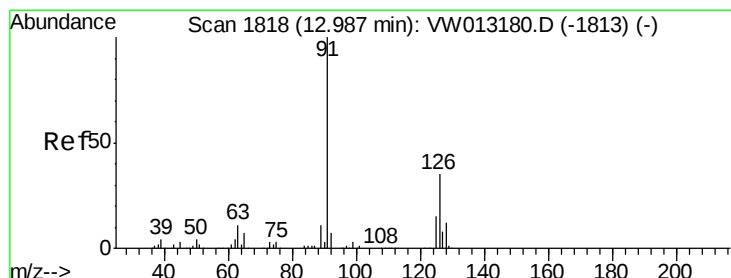
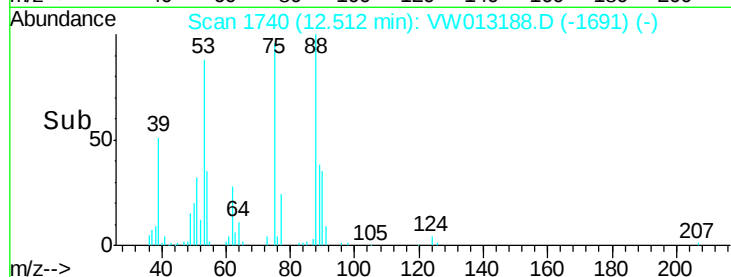
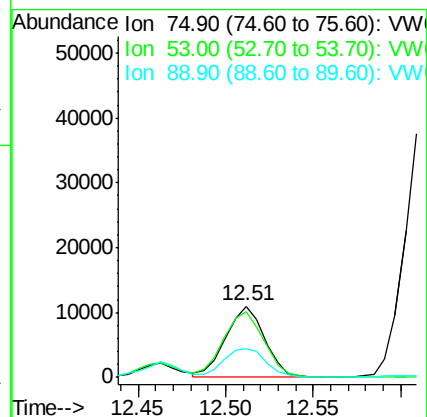
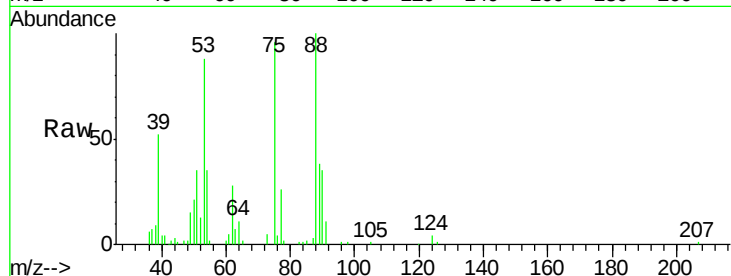
Tot Ion: 75 Resp: 17098

Ion Ratio Lower Upper

75 100

53 96.1 76.6 114.8

89 43.8 33.5 50.3



#82

4-Chlorotoluene

Concen: 20.367 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013188.D

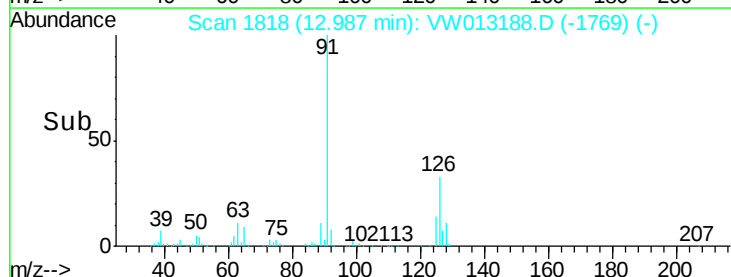
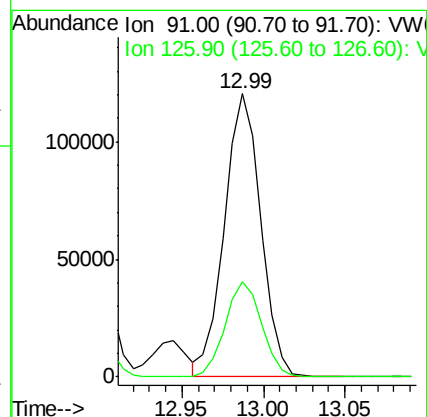
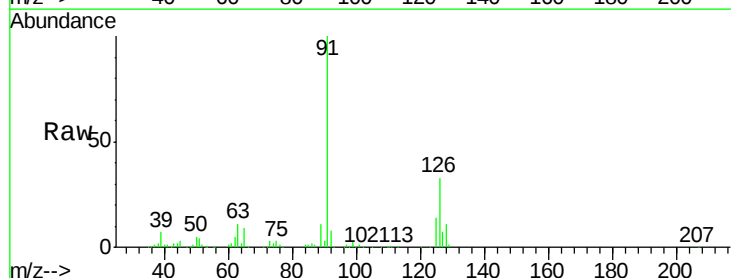
Acq: 20 Sep 2019 17:59

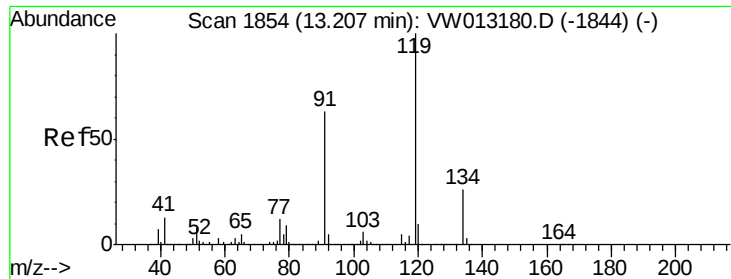
Tgt Ion: 91 Resp: 186697

Ion Ratio Lower Upper

91 100

126 33.8 17.3 51.7

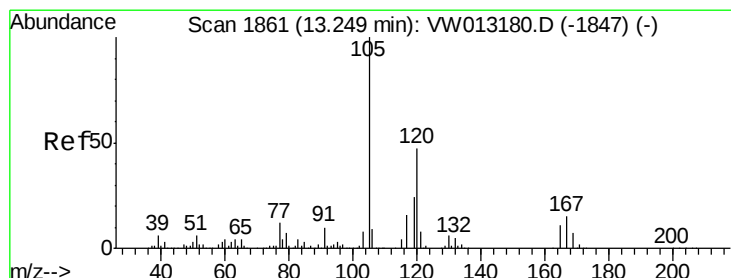
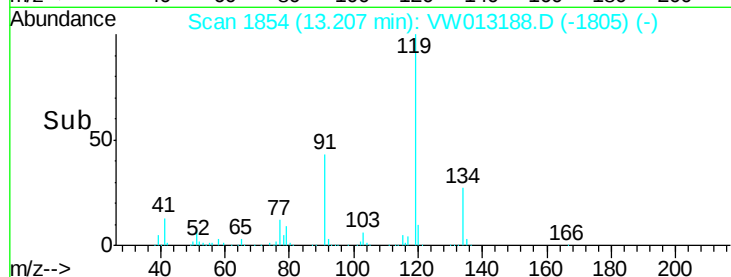
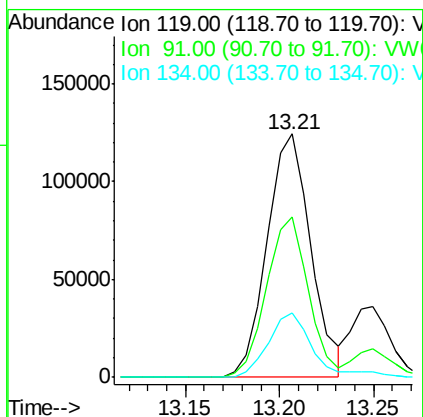
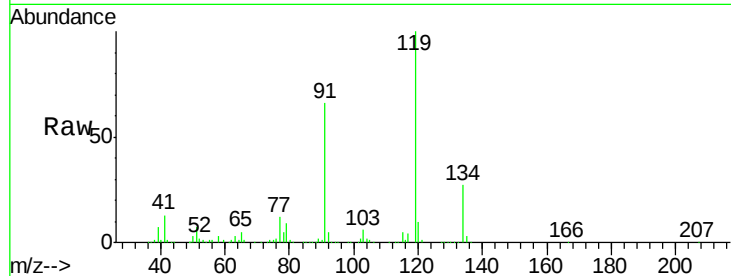




#83
tert-Butylbenzene
Concen: 20.575 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

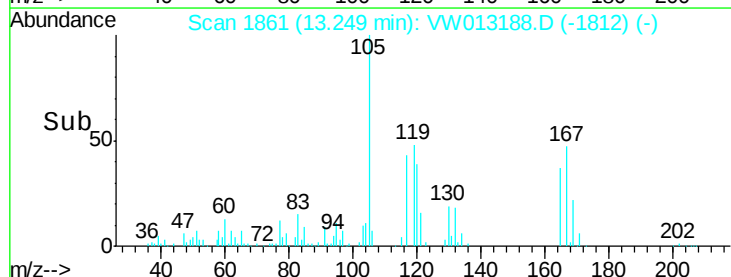
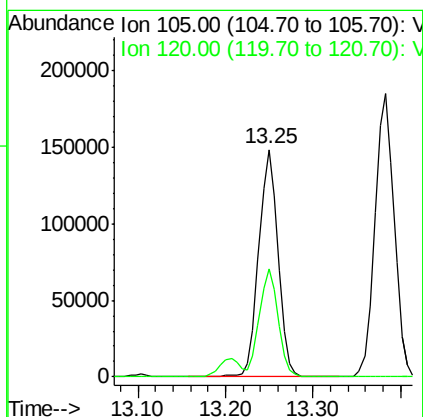
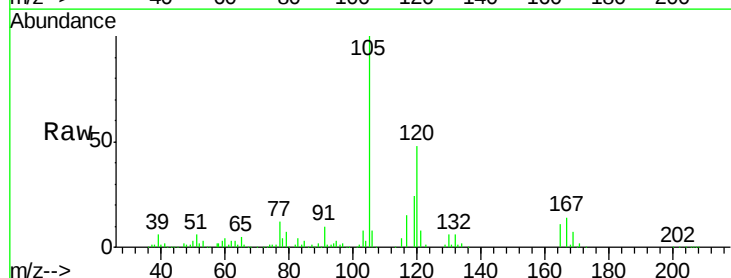
Instrument :
MSVOA_W
ClientSampleId :

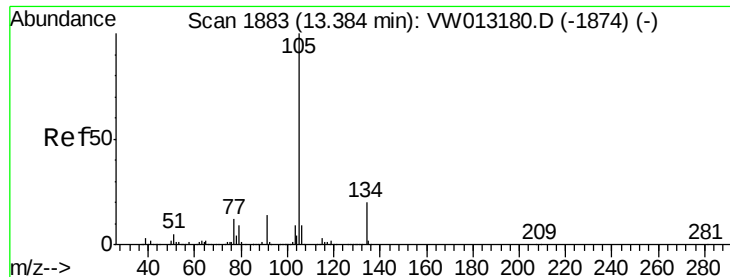
Tot Ion:119 Resp: 201220
Ion Ratio Lower Upper
119 100
91 62.9 30.7 92.1
134 27.3 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.602 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion:105 Resp: 228435
Ion Ratio Lower Upper
105 100
120 45.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.944 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

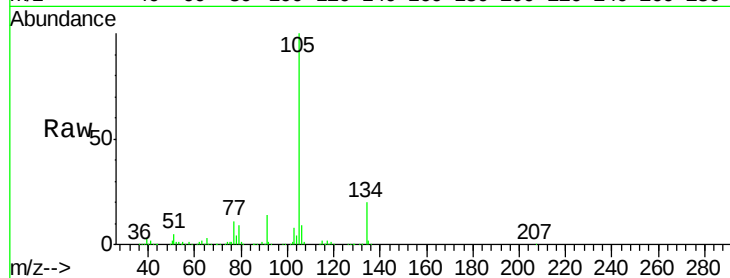
ClientSampleId :

Tot Ion:105 Resp: 282389

Ion Ratio Lower Upper

105 100

134 20.4 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

200000

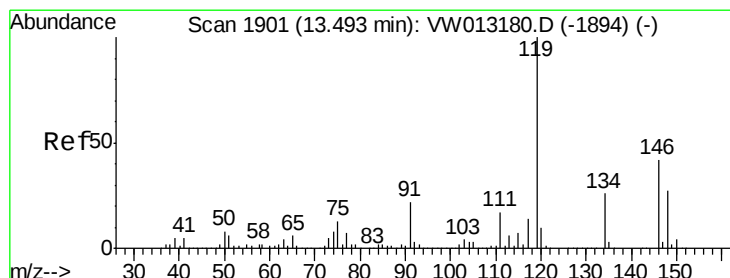
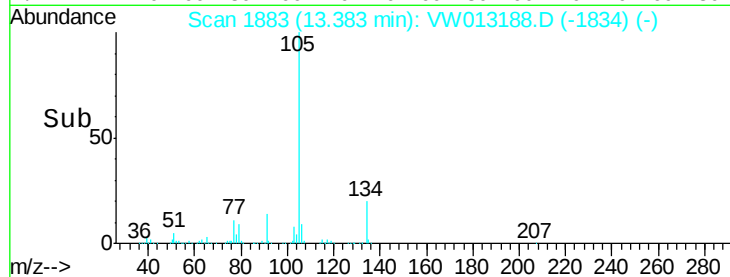
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.636 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

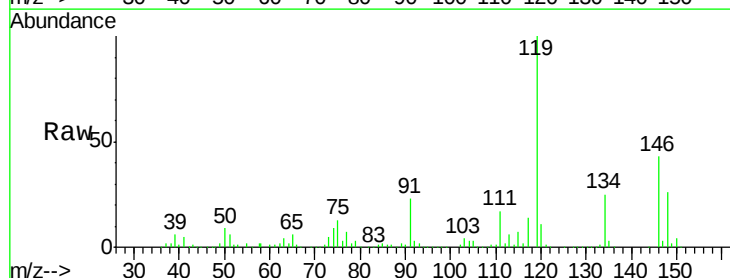
Tgt Ion:119 Resp: 258069

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.1 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

13.49

200000

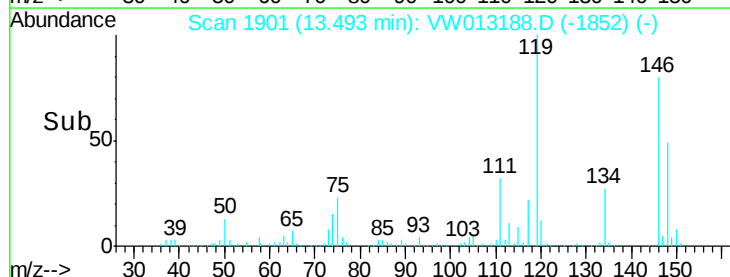
150000

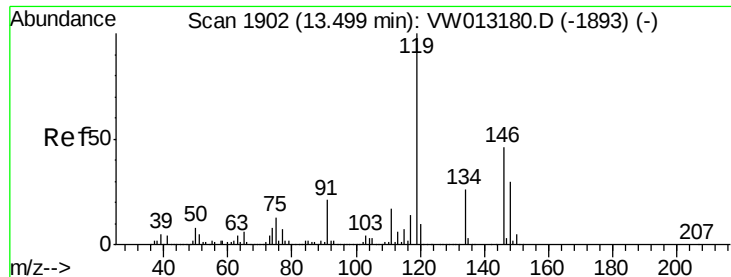
100000

50000

0

Time-->

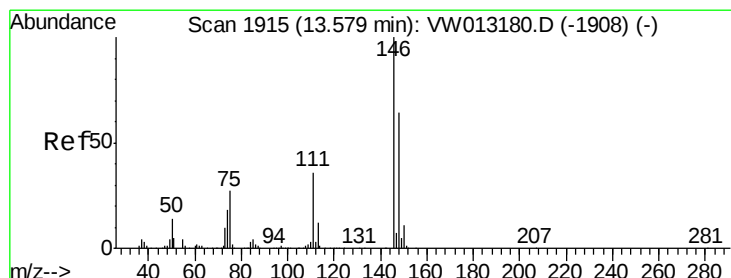
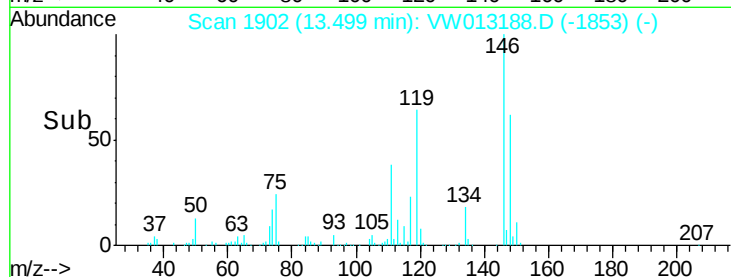
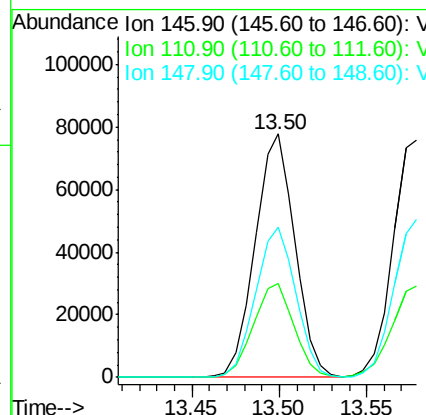
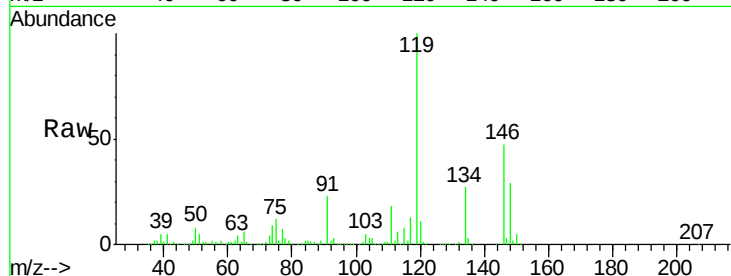




#87
 1,3-Dichlorobenzene
 Concen: 20.329 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

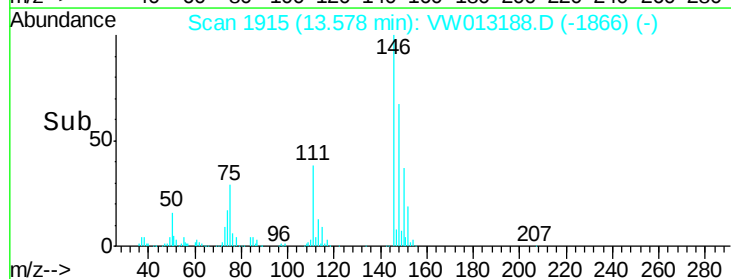
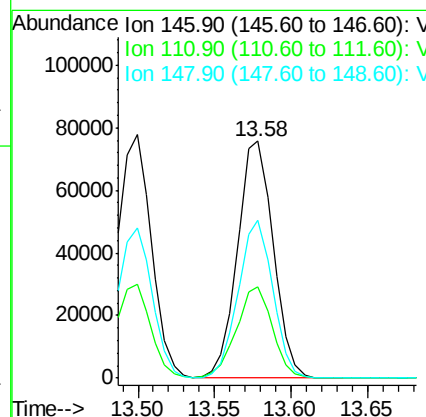
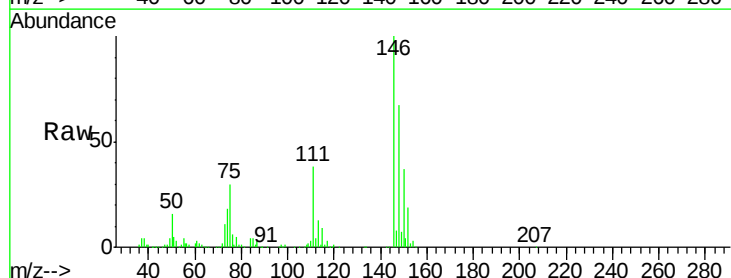
Instrument :
 MSVOA_W
 ClientSampled :

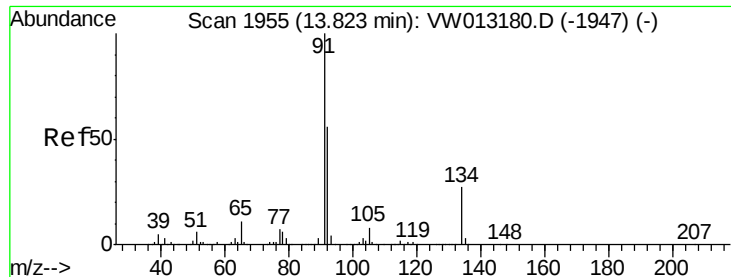
Tot Ion:146 Resp: 122895
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.9 56.9
 148 62.6 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.663 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion:146 Resp: 122512
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.0
 148 64.7 32.1 96.3





#89

n-Butylbenzene

Concen: 20.787 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

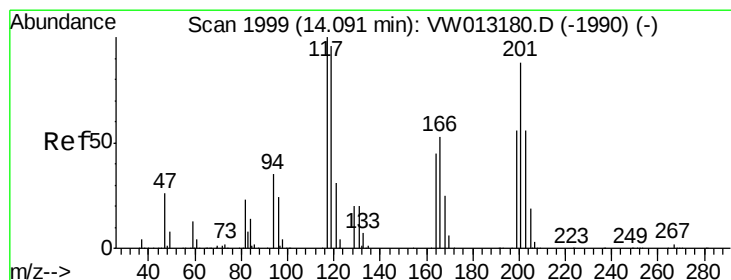
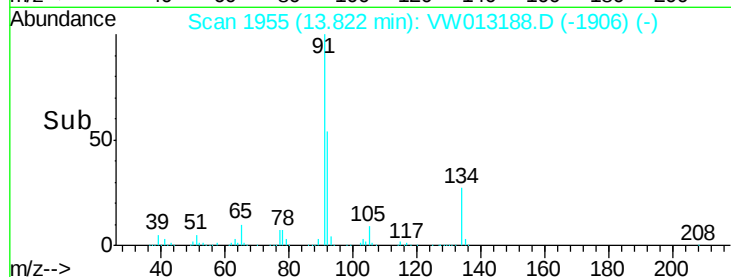
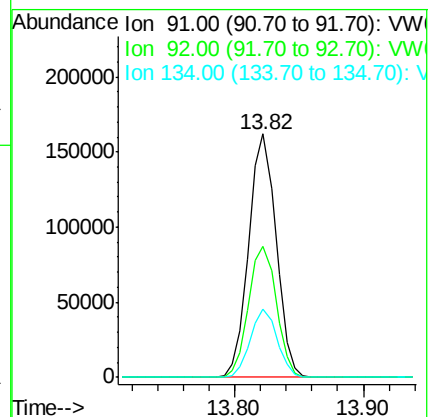
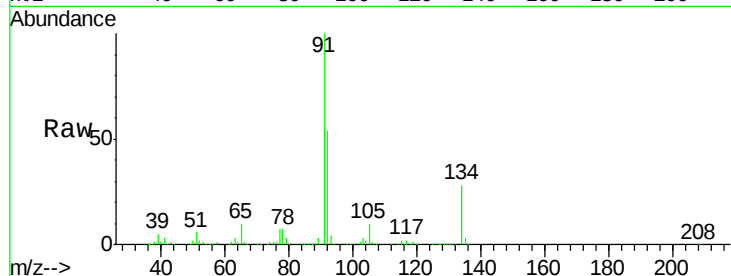
Tot Ion: 91 Resp: 237365

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.8

134 27.6 13.7 41.1



#90

Hexachloroethane

Concen: 19.197 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013188.D

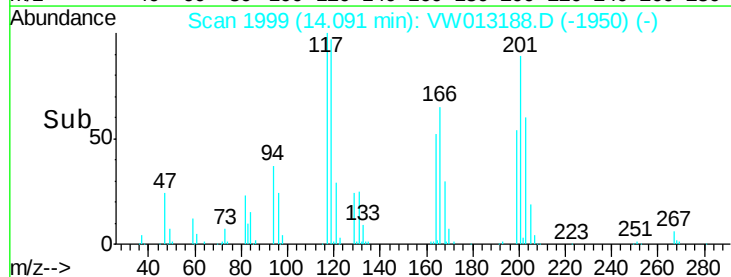
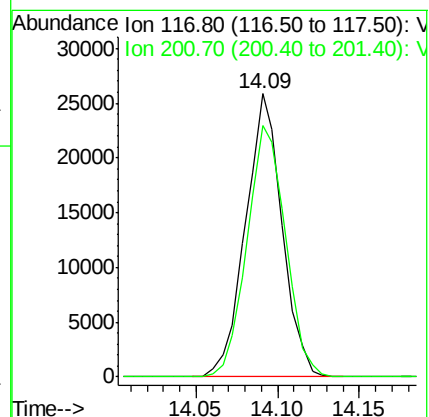
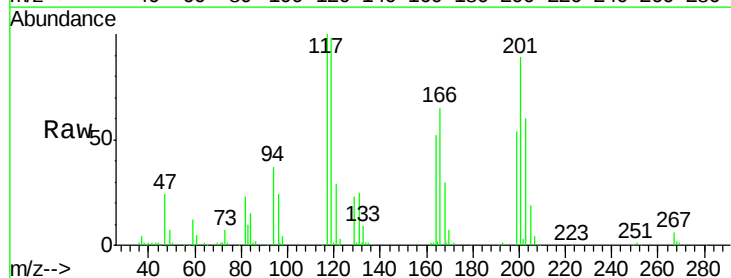
Acq: 20 Sep 2019 17:59

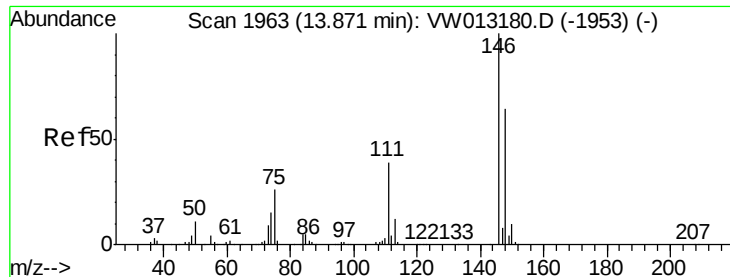
Tgt Ion: 117 Resp: 40330

Ion Ratio Lower Upper

117 100

201 93.1 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 21.315 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

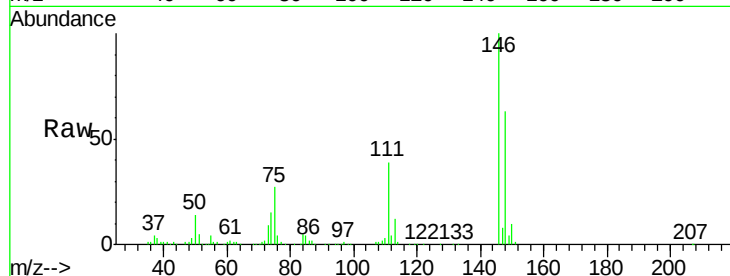
Tot Ion:146 Resp: 111478

Ion Ratio Lower Upper

146 100

111 39.2 20.1 60.3

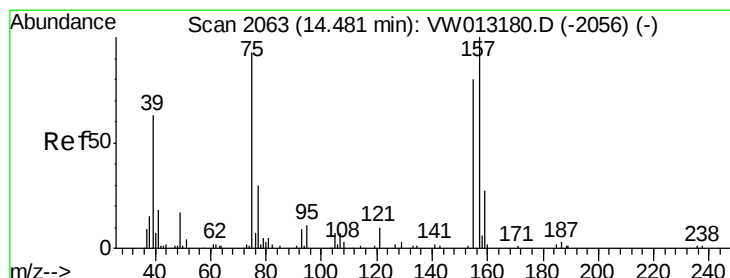
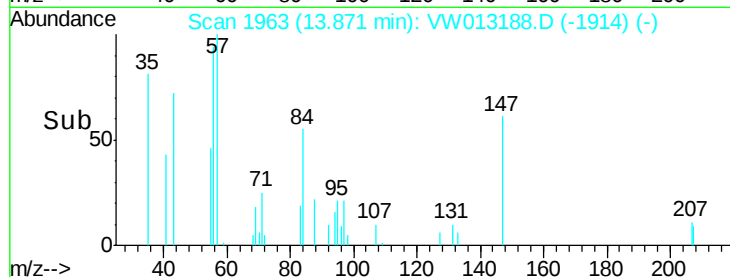
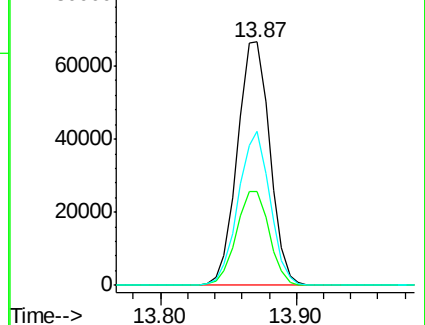
148 61.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.528 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013188.D

Acq: 20 Sep 2019 17:59

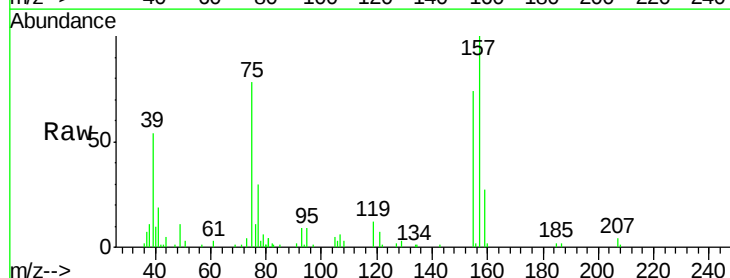
Tgt Ion: 75 Resp: 8995

Ion Ratio Lower Upper

75 100

155 95.6 46.1 138.3

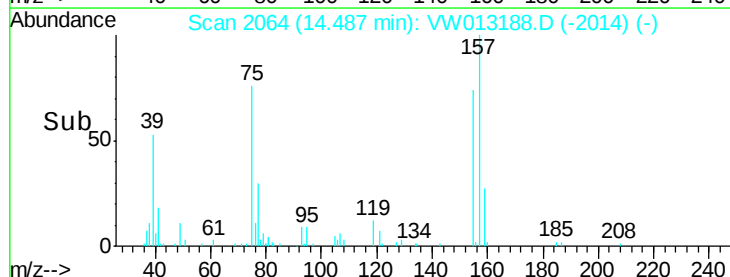
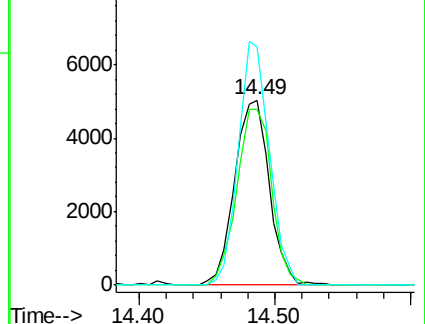
157 117.4 60.4 181.2

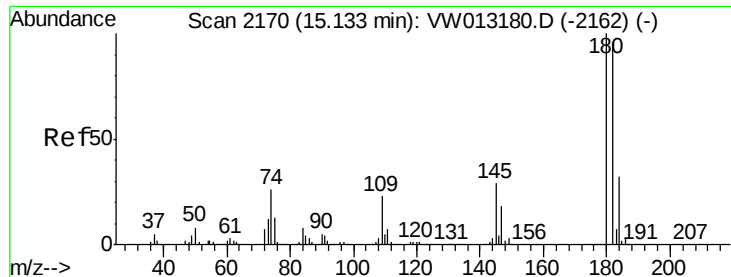


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

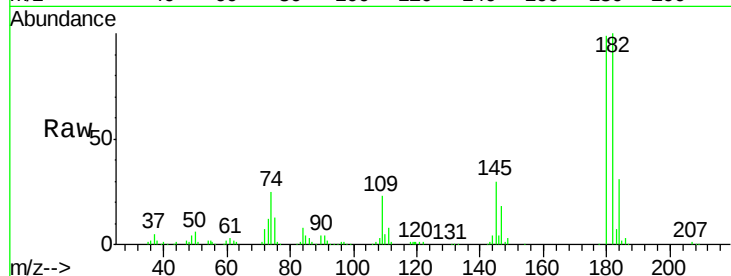




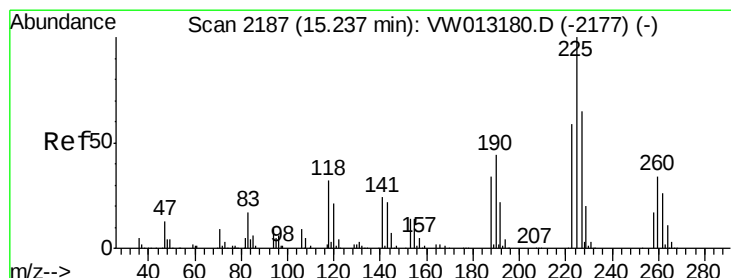
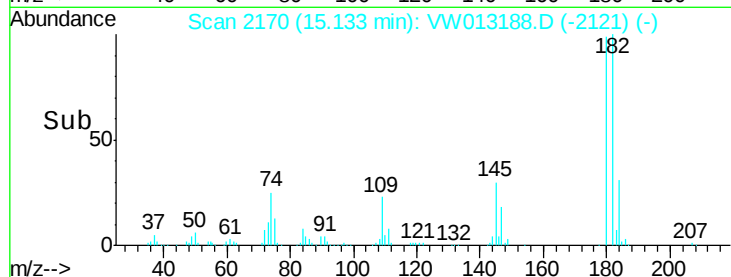
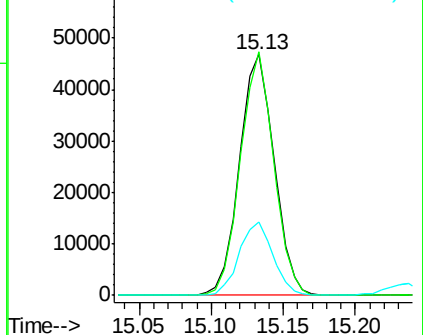
#93
 1,2,4-Trichlorobenzene
 Concen: 20.859 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.3	142.0
145	29.7	14.2	42.8

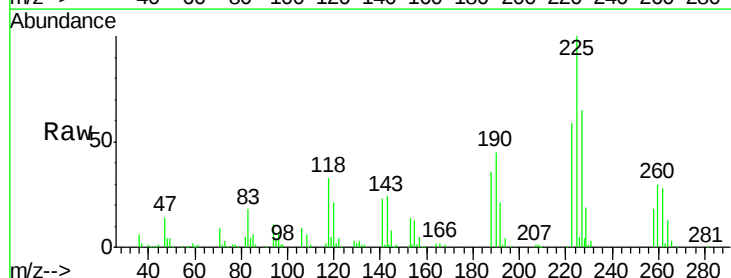


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

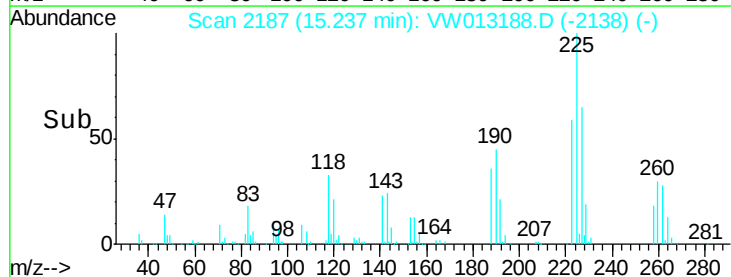
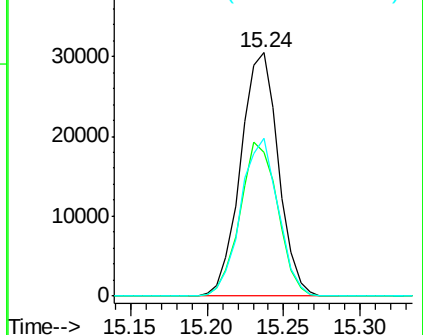


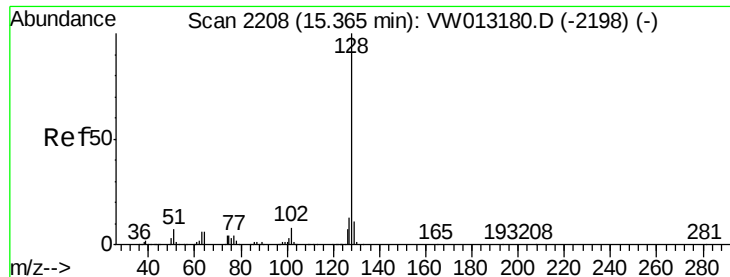
#94
 Hexachlorobutadiene
 Concen: 20.339 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.6	91.8
227	64.2	31.9	95.9



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

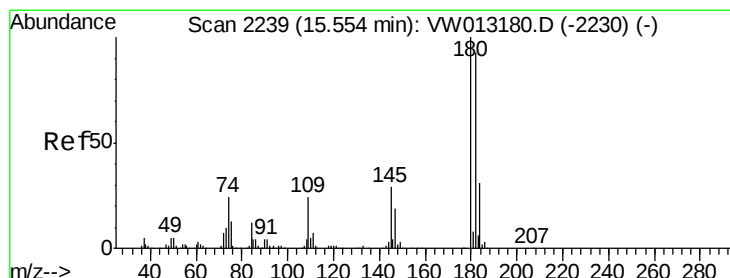
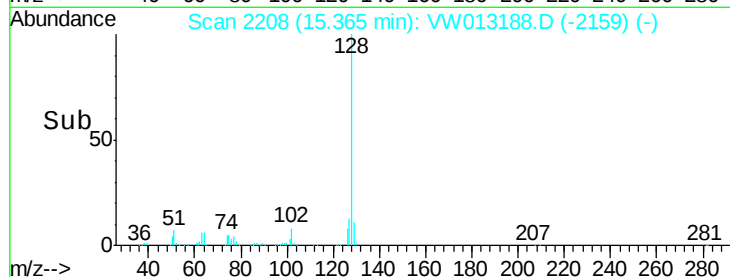
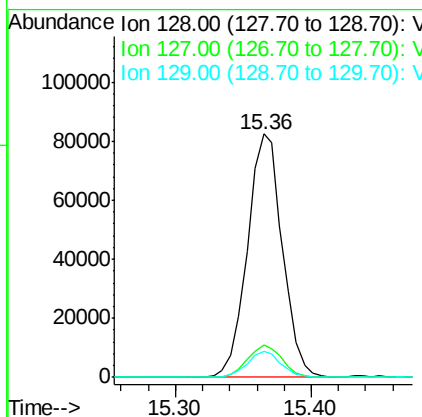
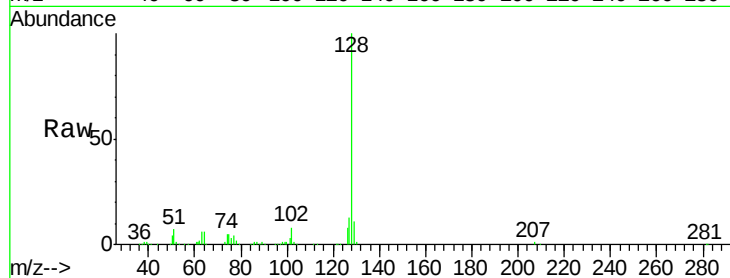




#95
Naphthalene
Concen: 24.176 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 148186
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.377 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013188.D
Acq: 20 Sep 2019 17:59

Tgt Ion:180 Resp: 69225
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.7
145 30.8 15.0 45.0

