

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013200.D
 Acq On : 20 Sep 2019 23:36
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:56:04 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	361380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	533248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	147675	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.88	113	143023	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	10.32	98	593427	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	204934	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39728	19.058	ug/l	99
3) Chloromethane	2.20	50	54729	20.424	ug/l	97
4) Vinyl Chloride	2.35	62	66822	19.343	ug/l	99
5) Bromomethane	2.76	94	44439	20.299	ug/l	93
6) Chloroethane	2.91	64	39677	19.485	ug/l	99
7) Trichlorofluoromethane	3.24	101	33463	16.799	ug/l	97
8) Diethyl Ether	3.67	74	35211	20.694	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61819	19.061	ug/l	97
10) Methyl Iodide	4.26	142	99622	19.813	ug/l	99
11) Tert butyl alcohol	5.18	59	26564	119.853	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	66425	19.779	ug/l	99
13) Acrolein	3.89	56	14659	86.340	ug/l	98
14) Allyl chloride	4.66	41	105611	19.759	ug/l	99
15) Acrylonitrile	5.36	53	75988	103.469	ug/l	94
16) Acetone	4.12	43	60455	90.893	ug/l	94
17) Carbon Disulfide	4.38	76	187768	19.344	ug/l	100
18) Methyl Acetate	4.66	43	46382	24.808	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	109673	21.308	ug/l	100
20) Methylene Chloride	4.91	84	78315	21.359	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	73924	20.366	ug/l	99
22) Diisopropyl ether	6.31	45	213462	21.002	ug/l	99
23) Vinyl Acetate	6.25	43	599213	99.378	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126204	20.578	ug/l	99
25) 2-Butanone	7.17	43	102283	102.441	ug/l	100
26) 2,2-Dichloropropane	7.16	77	74734	18.250	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	79827	20.839	ug/l	99
28) Bromochloromethane	7.51	49	40417	17.170	ug/l #	97
29) Tetrahydrofuran	7.53	42	65819	107.491	ug/l	99
30) Chloroform	7.67	83	122509	20.403	ug/l	98
31) Cyclohexane	7.95	56	125010	19.554	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	97481	20.045	ug/l	98
36) 1,1-Dichloropropene	8.08	75	102538	19.853	ug/l	98
37) Ethyl Acetate	7.25	43	46758	21.301	ug/l	99
38) Carbon Tetrachloride	8.06	117	89175	19.260	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	127257	19.173	ug/l	97
40) Benzene	8.32	78	293037	20.341	ug/l	100
41) Methacrylonitrile	7.48	41	27761	21.190	ug/l	96
42) 1,2-Dichloroethane	8.40	62	79476	20.522	ug/l	100
43) Isopropyl Acetate	8.42	43	83975	19.960	ug/l	100
44) Trichloroethene	9.09	130	79808	19.745	ug/l	92
45) 1,2-Dichloropropane	9.37	63	71095	20.213	ug/l	99
46) Dibromomethane	9.45	93	35014	20.505	ug/l	99
47) Bromodichloromethane	9.64	83	85769	19.740	ug/l	95
48) Methyl methacrylate	9.43	41	40486	20.465	ug/l	98
49) 1,4-Dioxane	9.46	88	10044	391.852	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	221540	105.040	ug/l	99
52) Toluene	10.38	92	186742	20.226	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	87597	19.623	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	107804	19.862	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	53352	20.903	ug/l	97
56) Ethyl methacrylate	10.65	69	70069	20.977	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91994	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	160846	104.016	ug/l	100
59) 2-Hexanone	10.97	43	145722	100.425	ug/l	100
60) Dibromochloromethane	11.13	129	59216	20.433	ug/l	99
61) 1,2-Dibromoethane	11.23	107	51523	21.232	ug/l	99
64) Tetrachloroethene	10.86	164	73497	21.064	ug/l	99
65) Chlorobenzene	11.66	112	192435	20.039	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	66821	20.368	ug/l	98
67) Ethyl Benzene	11.73	91	349565	20.090	ug/l	100
68) m/p-Xylenes	11.83	106	268853	40.548	ug/l	100
69) o-Xylene	12.16	106	124390	20.178	ug/l	99
70) Styrene	12.18	104	216555	20.462	ug/l	100
71) Bromoform	12.35	173	35435	20.444	ug/l #	99
73) Isopropylbenzene	12.46	105	341162	19.790	ug/l	100
74) N-amyl acetate	12.27	43	76295	19.944	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	59817	20.747	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	75009	36.395	ug/l #	100
77) Bromobenzene	12.74	156	82909	20.295	ug/l	98
78) n-propylbenzene	12.80	91	396942	19.671	ug/l	100
79) 2-Chlorotoluene	12.89	91	229042	20.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	290411	20.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18178	19.792	ug/l	100
82) 4-Chlorotoluene	12.99	91	236709	19.855	ug/l	98
83) tert-Butylbenzene	13.21	119	252144	19.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	287810	19.959	ug/l	99
85) sec-Butylbenzene	13.38	105	346866	19.780	ug/l	100
86) p-Isopropyltoluene	13.49	119	321951	19.794	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	157653	20.052	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	155184	20.125	ug/l	99
89) n-Butylbenzene	13.82	91	288783	19.445	ug/l	100
90) Hexachloroethane	14.09	117	52679	19.280	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	139297	20.479	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8805	19.966	ug/l	96

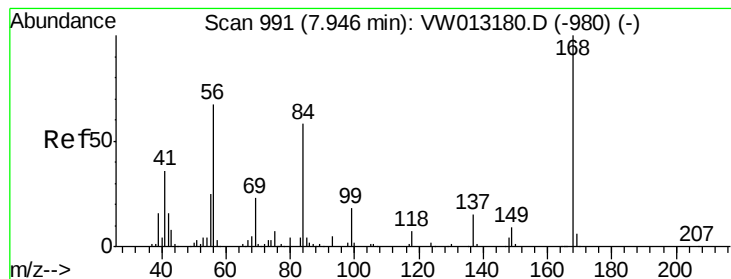
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	95582	19.610	ug/l	99
94) Hexachlorobutadiene	15.24	225	62654	18.789	ug/l	98
95) Naphthalene	15.36	128	159447	20.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	81834	19.431	ug/l	98

(#) = 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: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

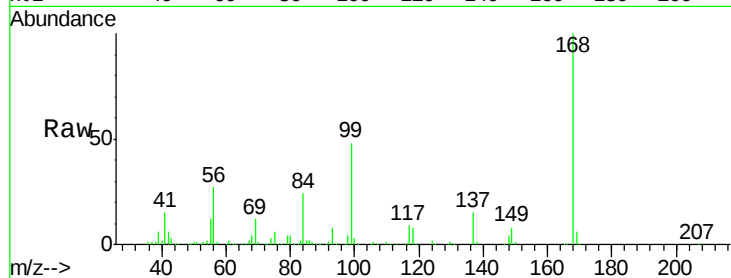
ClientSampled :

Tot Ion:168 Resp: 361380

Ion Ratio Lower Upper

168 100

99 48.2 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

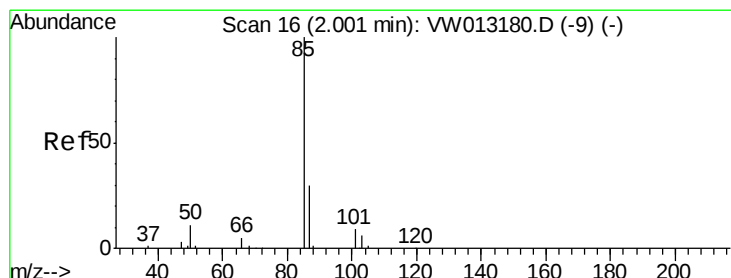
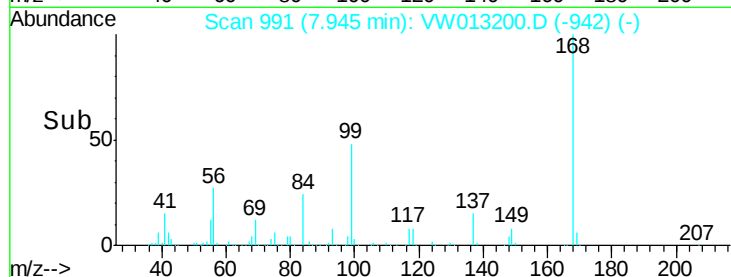
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.058 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013200.D

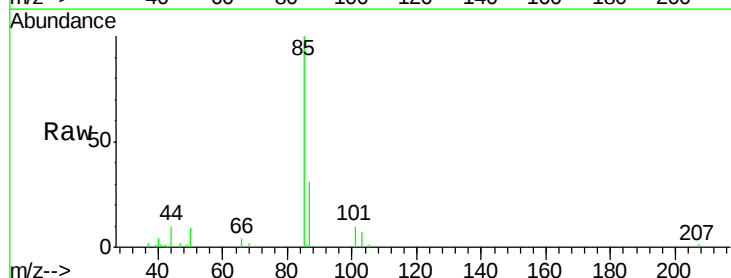
Acq: 20 Sep 2019 23:36

Tgt Ion: 85 Resp: 39728

Ion Ratio Lower Upper

85 100

87 30.6 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

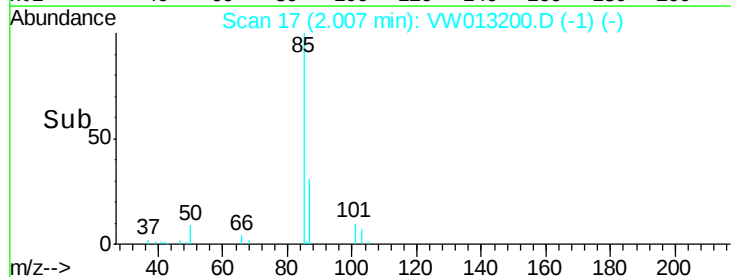
15000

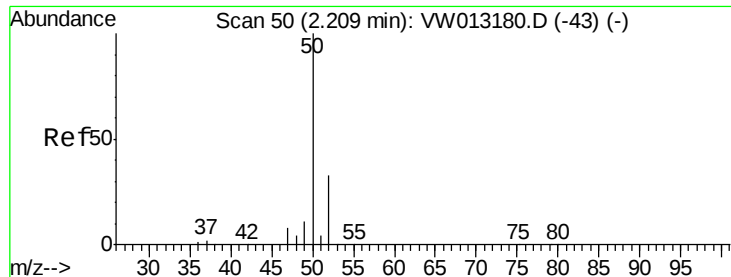
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.424 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

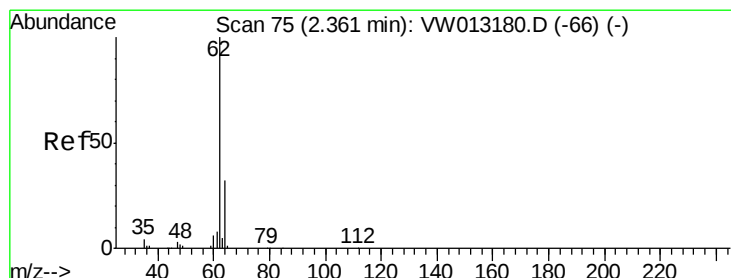
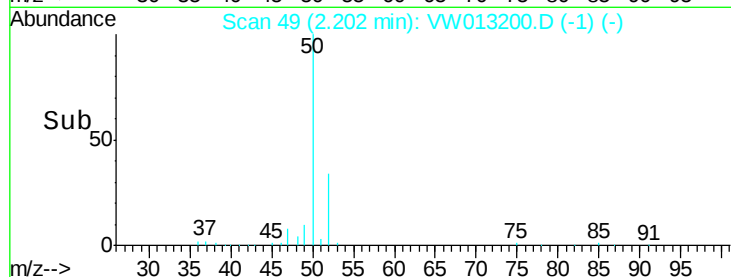
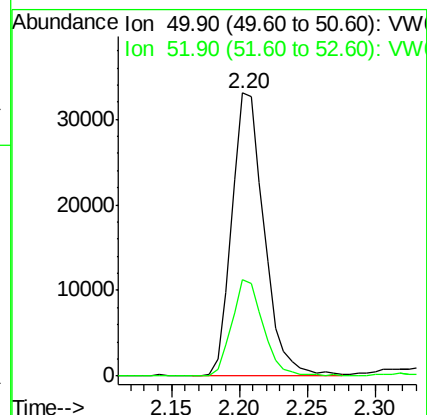
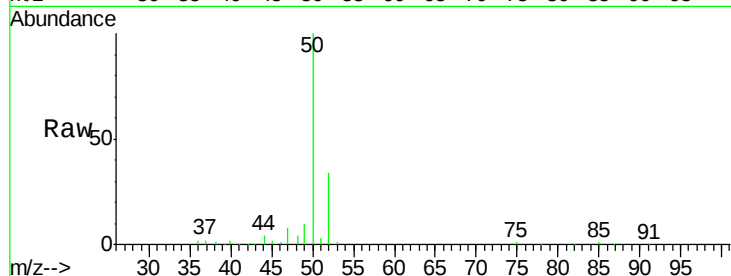
ClientSampleId :

Tot Ion: 50 Resp: 54729

Ion Ratio Lower Upper

50 100

52 34.2 26.1 39.1



#4

Vinyl Chloride

Concen: 19.343 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013200.D

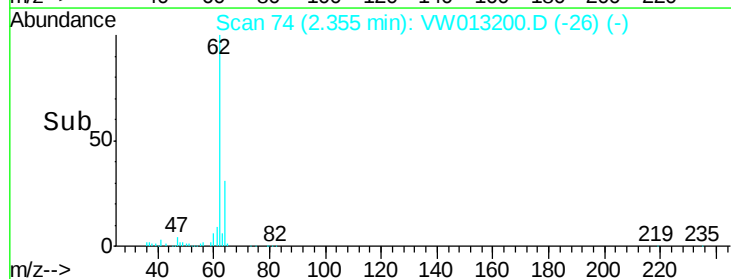
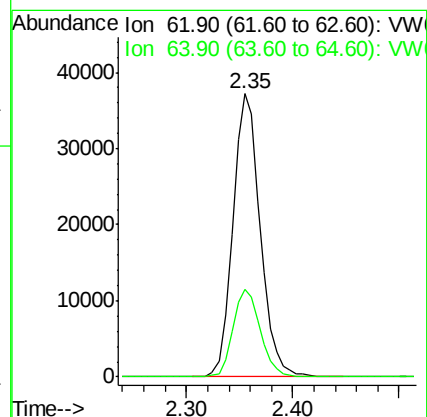
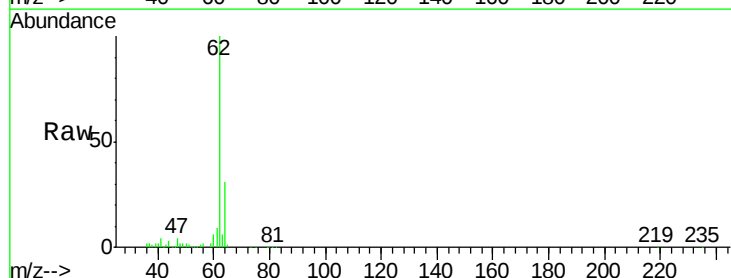
Acq: 20 Sep 2019 23:36

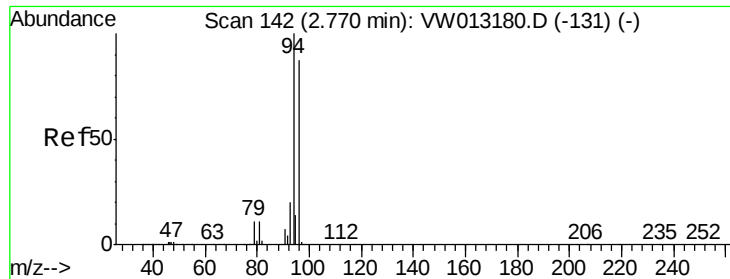
Tgt Ion: 62 Resp: 66822

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 20.299 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

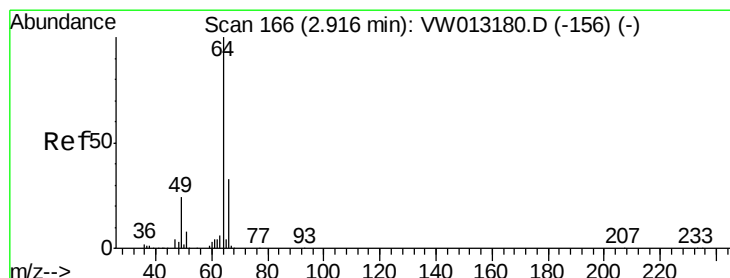
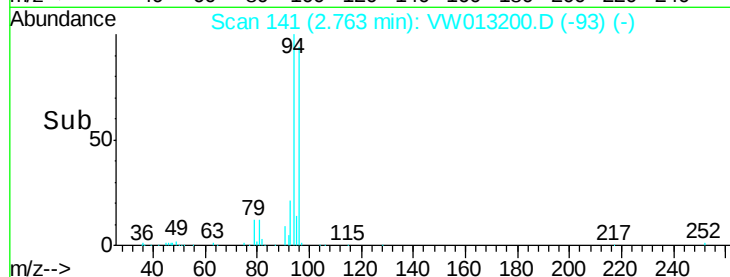
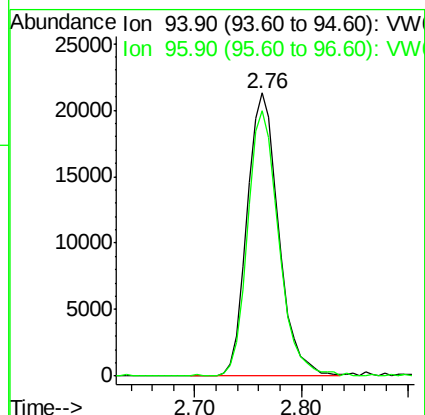
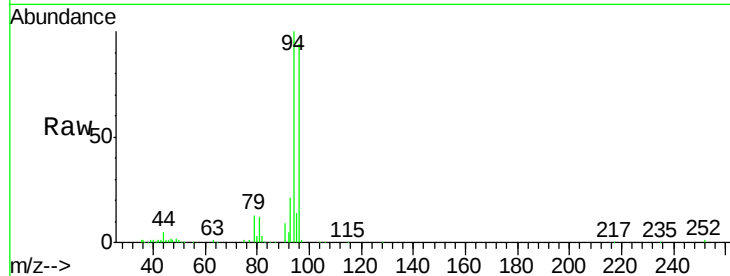
ClientSampleId :

Tot Ion: 94 Resp: 44439

Ion Ratio Lower Upper

94 100

96 93.6 69.7 104.5



#6

Chloroethane

Concen: 19.485 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013200.D

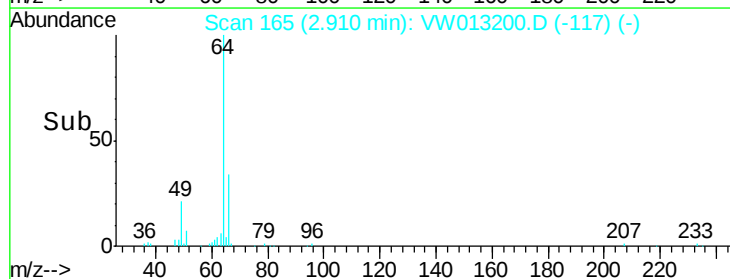
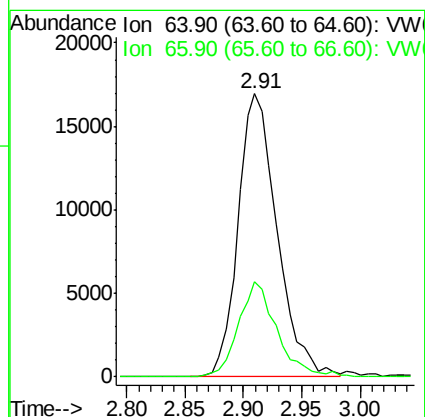
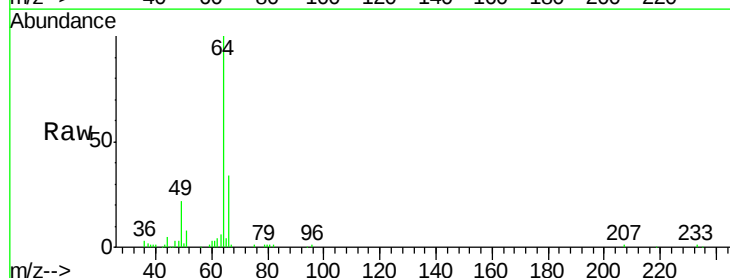
Acq: 20 Sep 2019 23:36

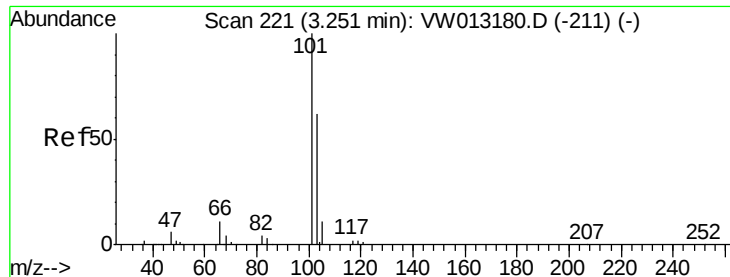
Tgt Ion: 64 Resp: 39677

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8



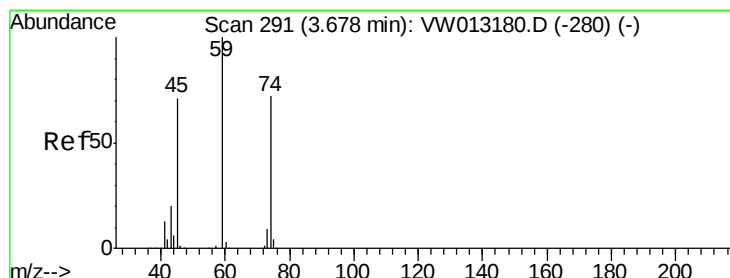
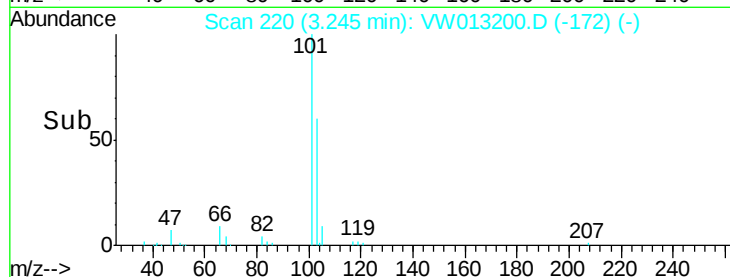
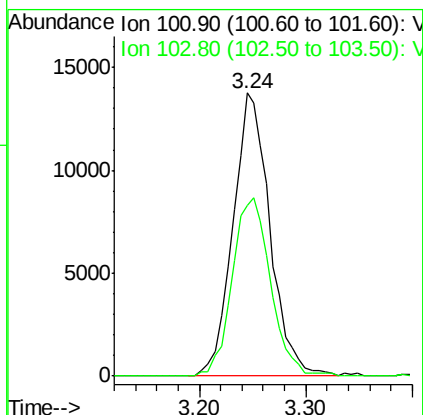
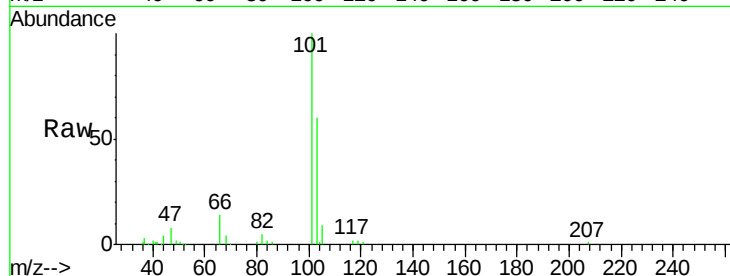


#7

Trichlorofluoromethane
 Concen: 16.799 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampled :

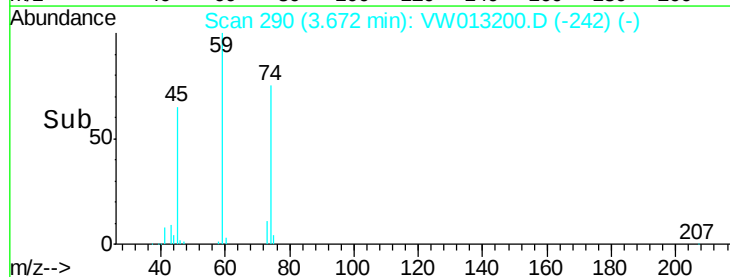
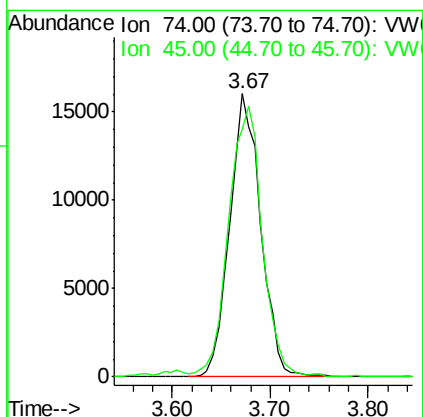
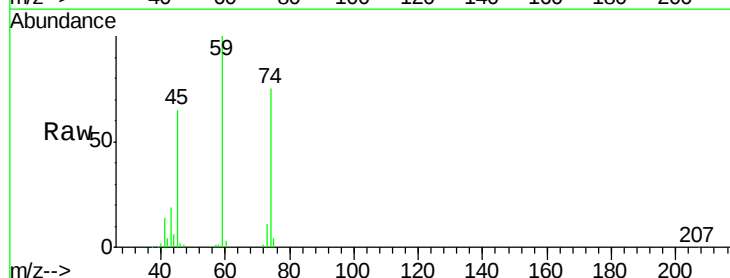
Tot Ion:101 Resp: 33463
 Ion Ratio Lower Upper
 101 100
 103 60.2 49.7 74.5

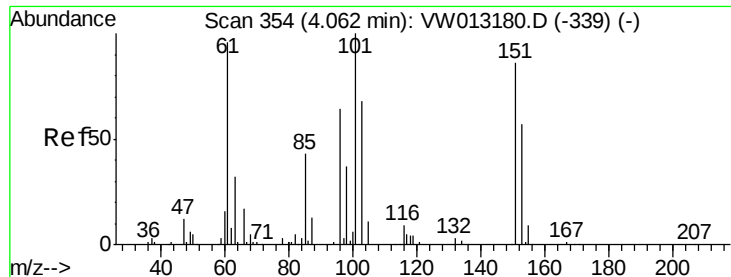


#8

Diethyl Ether
 Concen: 20.694 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion: 74 Resp: 35211
 Ion Ratio Lower Upper
 74 100
 45 103.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.061 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

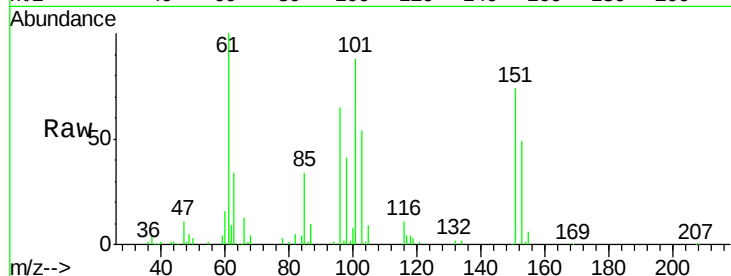
Tot Ion:101 Resp: 61819

Ion Ratio Lower Upper

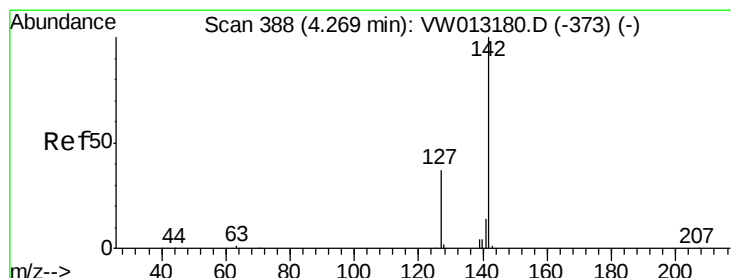
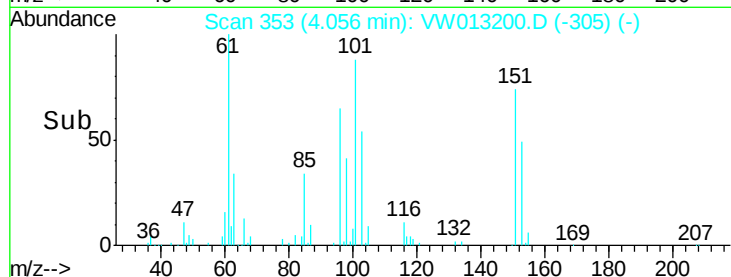
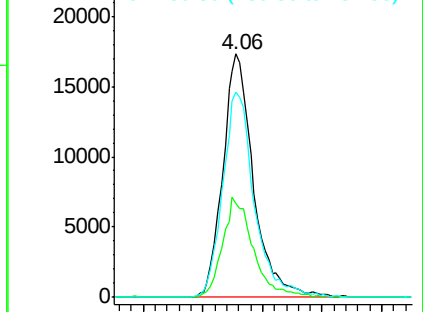
101 100

85 41.1 33.4 50.0

151 87.3 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: 19.813 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

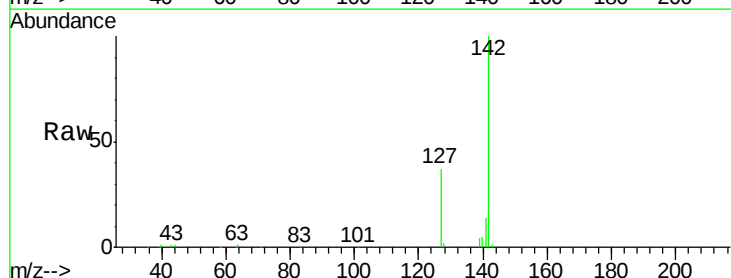
Tgt Ion:142 Resp: 99622

Ion Ratio Lower Upper

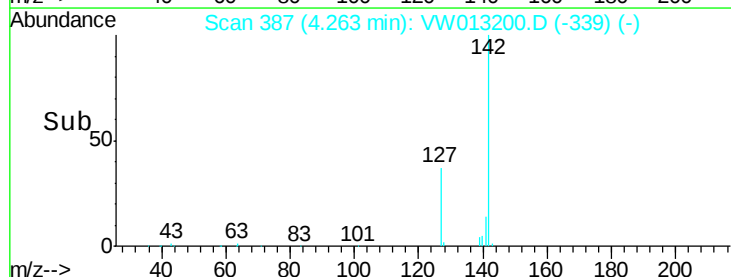
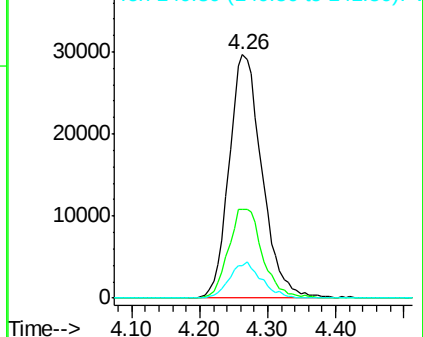
142 100

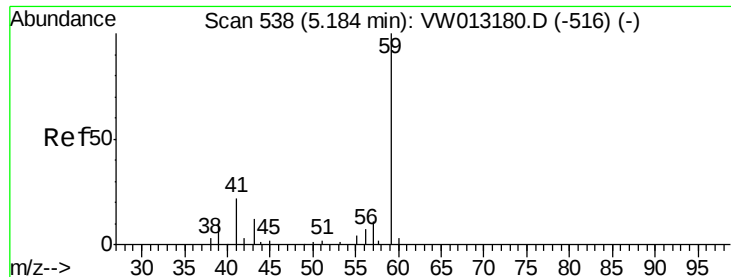
127 37.5 30.9 46.3

141 14.4 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

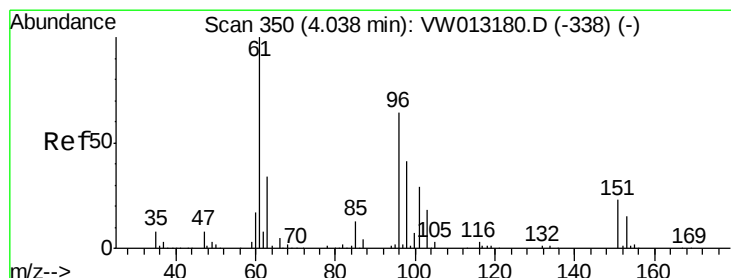
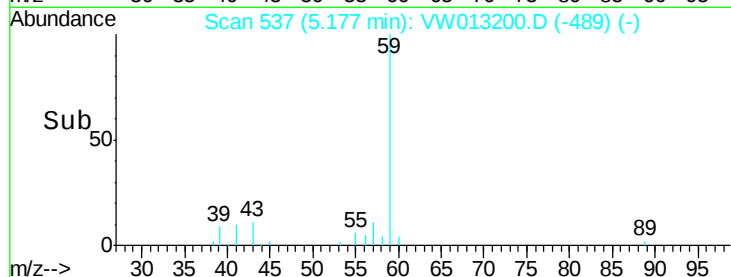
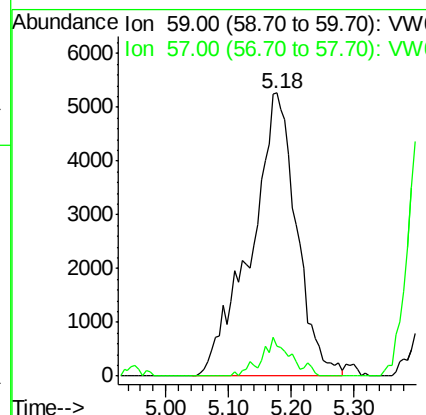
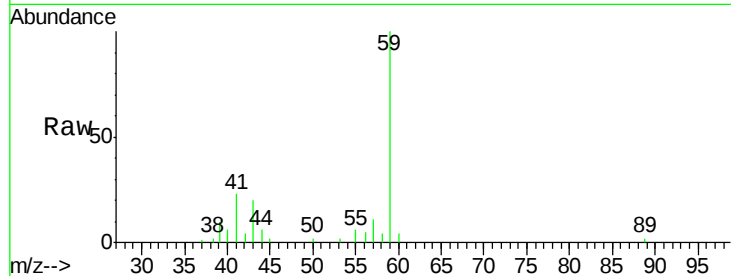




#11
Tert butyl alcohol
Concen: 119.853 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

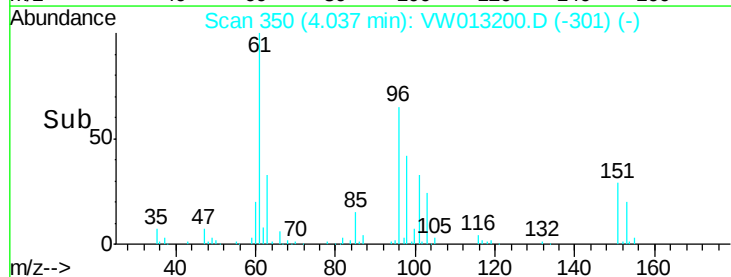
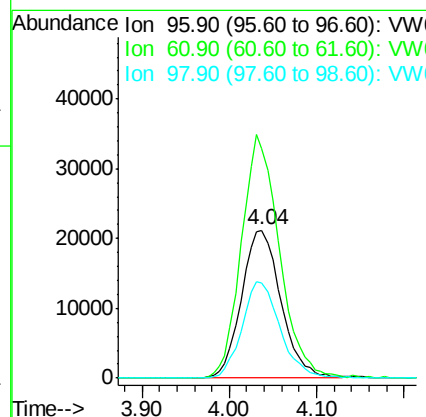
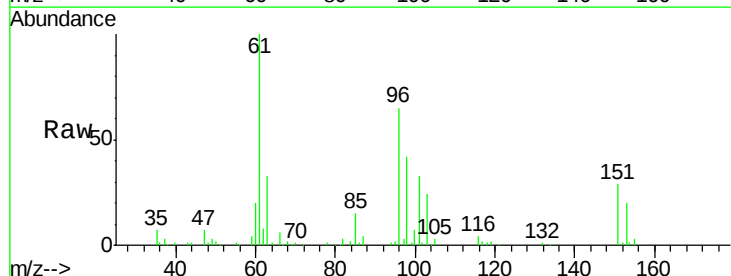
Instrument :
MSVOA_W
ClientSampled :

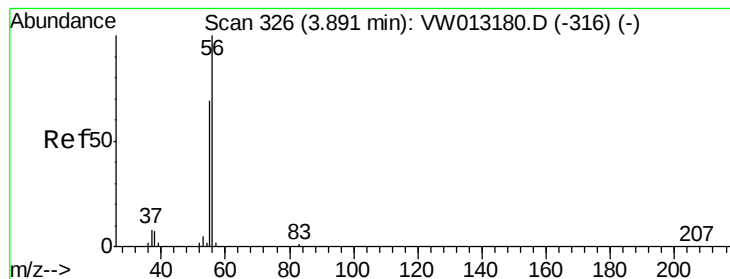
Tot Ion: 59 Resp: 26564
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 19.779 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 96 Resp: 66425
Ion Ratio Lower Upper
96 100
61 154.6 125.1 187.7
98 64.3 50.8 76.2





#13

Acrolein

Concen: 86.340 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

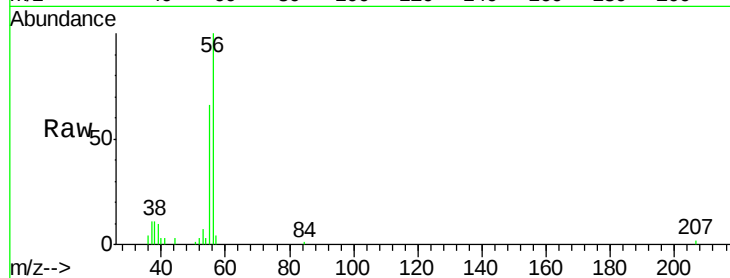
ClientSampleId :

Tot Ion: 56 Resp: 14659

Ion Ratio Lower Upper

56 100

55 71.0 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

6000

5000

4000

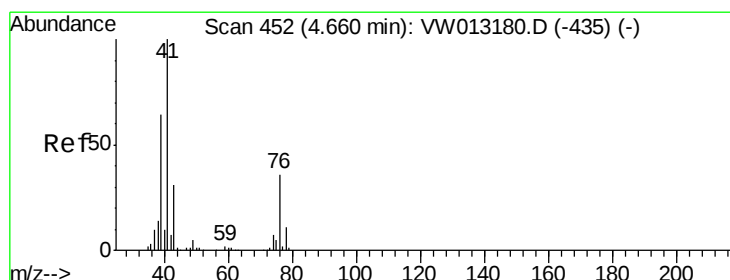
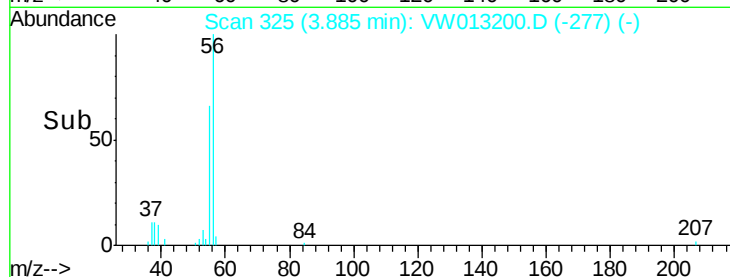
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 19.759 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

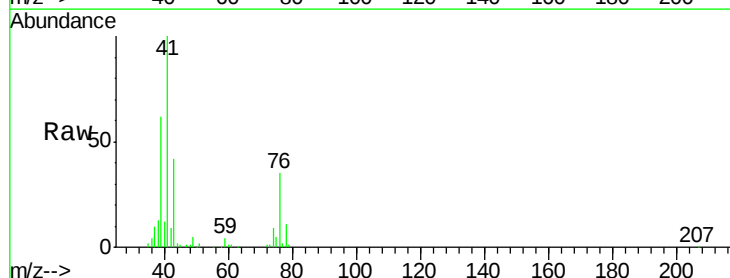
Tgt Ion: 41 Resp: 105611

Ion Ratio Lower Upper

41 100

39 63.6 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

4.66

40000

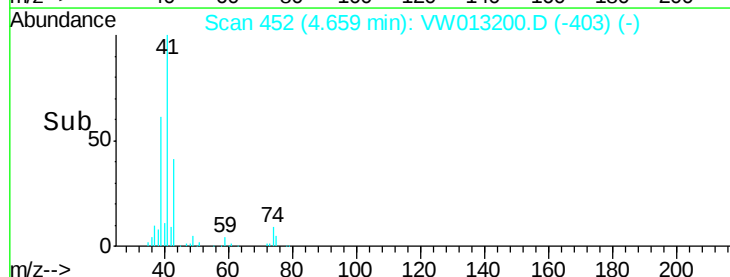
30000

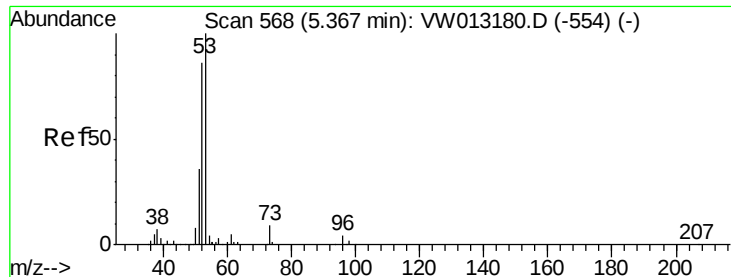
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 103.469 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

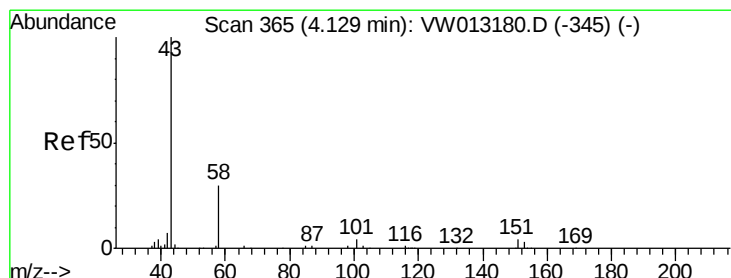
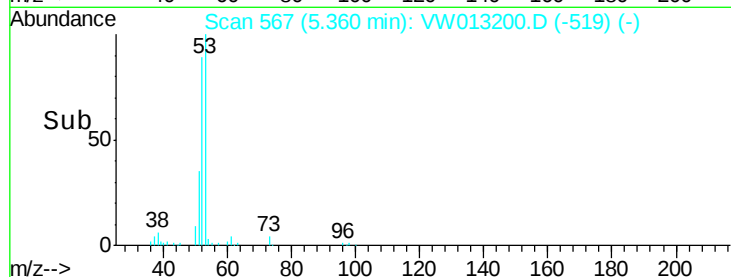
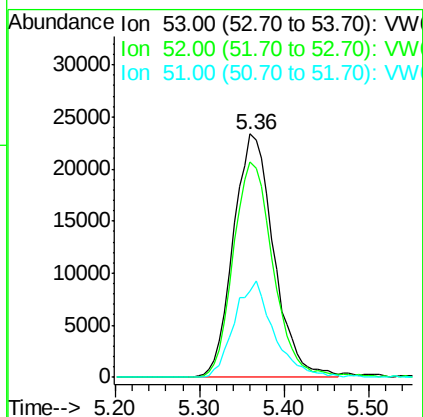
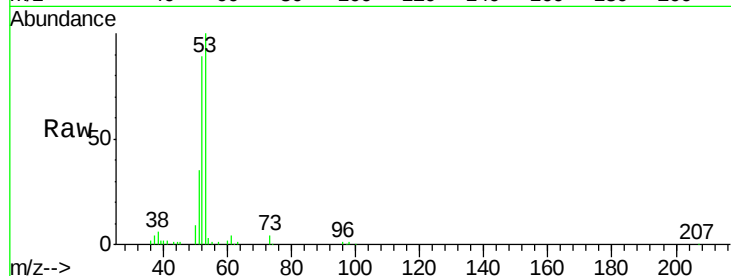
Tot Ion: 53 Resp: 75988

Ion Ratio Lower Upper

53 100

52 87.7 65.3 97.9

51 38.6 29.0 43.4



#16

Acetone

Concen: 90.893 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013200.D

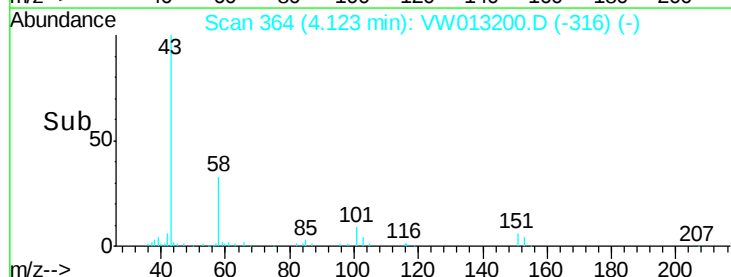
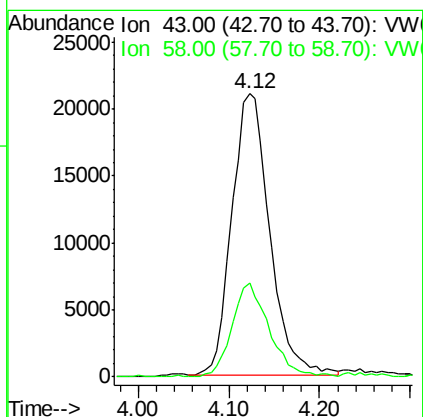
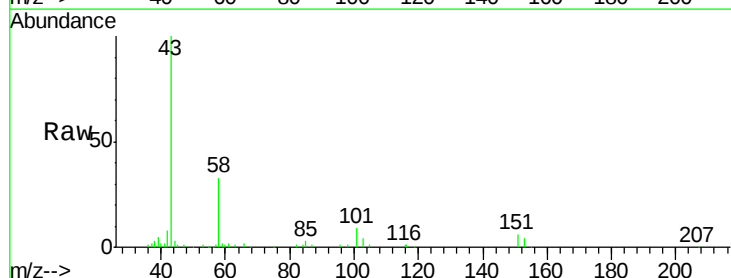
Acq: 20 Sep 2019 23:36

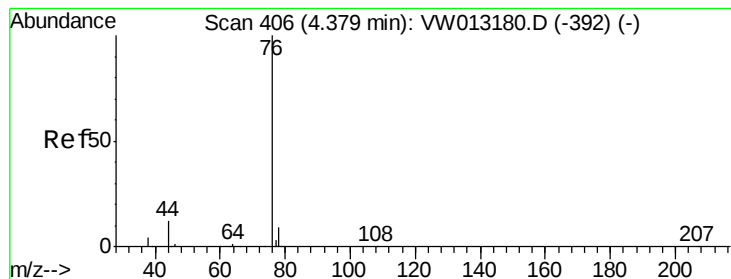
Tgt Ion: 43 Resp: 60455

Ion Ratio Lower Upper

43 100

58 33.5 24.1 36.1





#17

Carbon Disulfide

Concen: 19.344 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

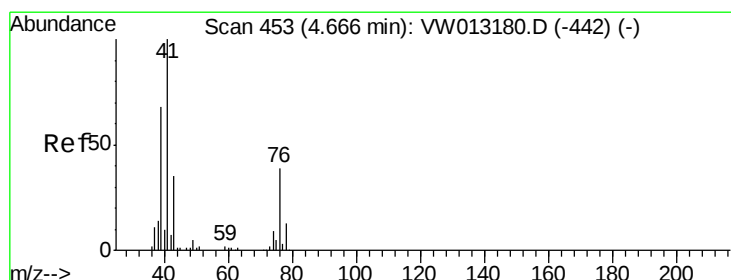
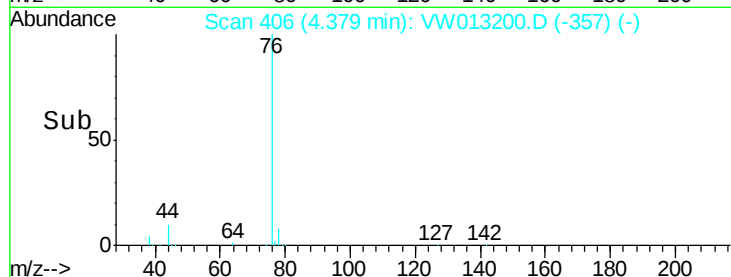
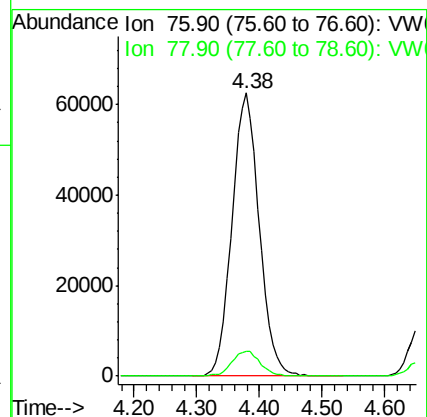
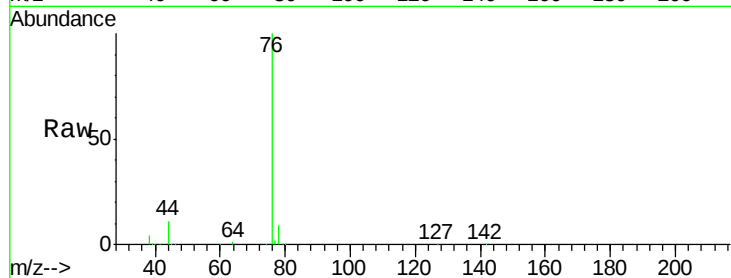
ClientSampleId :

Tot Ion: 76 Resp: 187768

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



#18

Methyl Acetate

Concen: 24.808 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013200.D

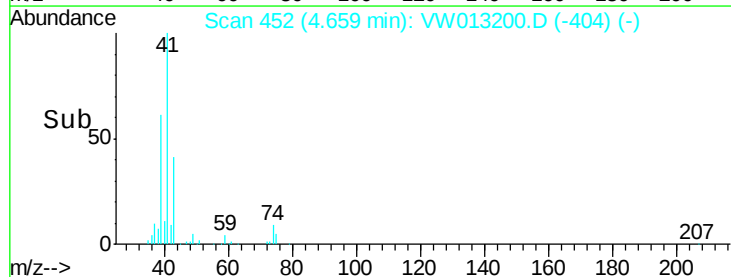
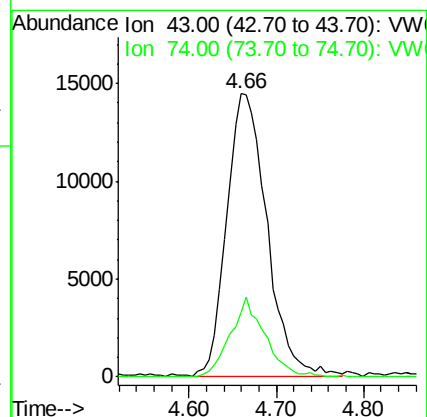
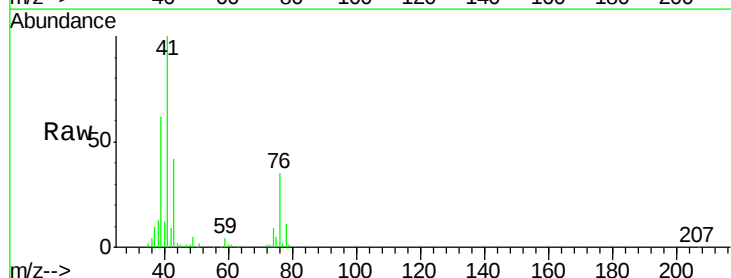
Acq: 20 Sep 2019 23:36

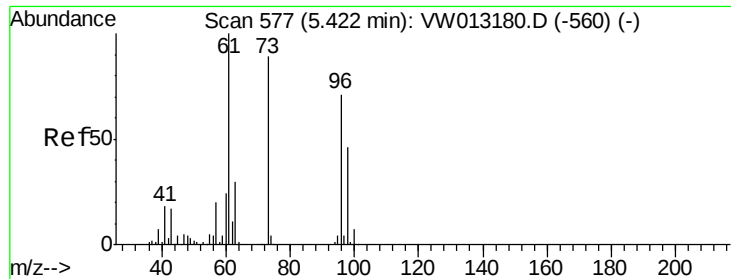
Tgt Ion: 43 Resp: 46382

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9

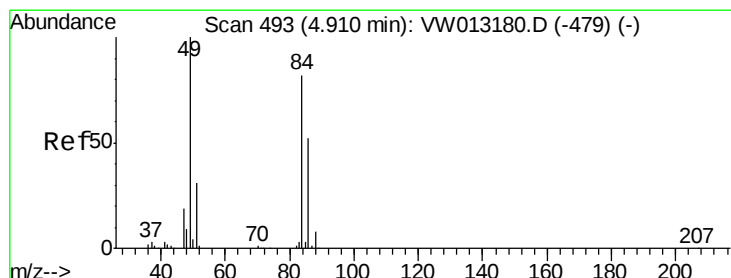
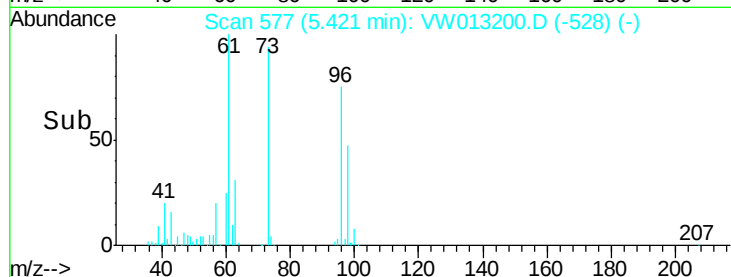
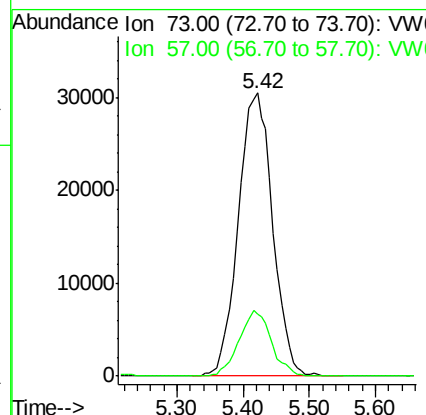
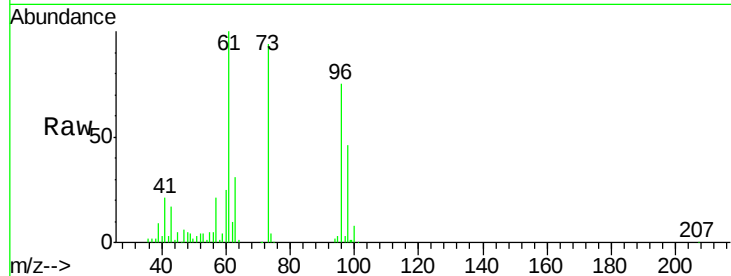




#19
Methvl tert-butvl Ether
Concen: 21.308 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

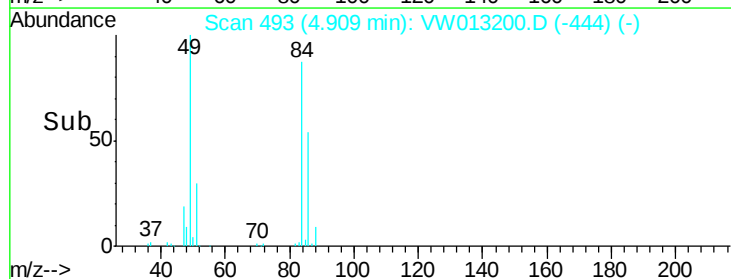
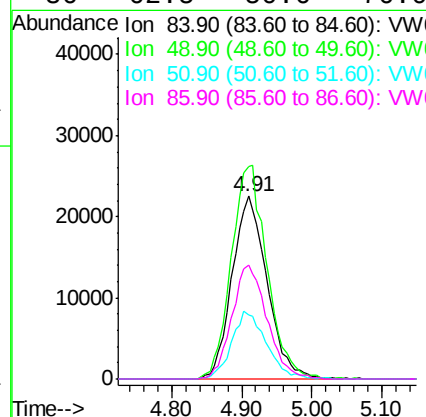
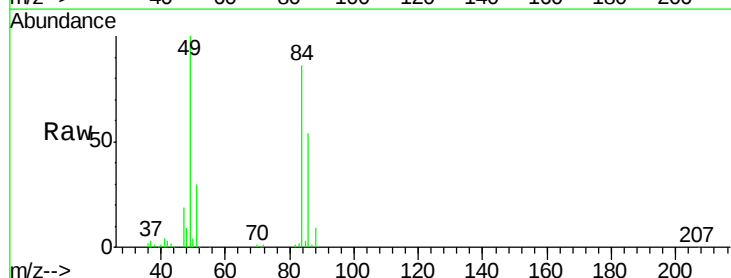
Instrument :
MSVOA_W
ClientSampleId :

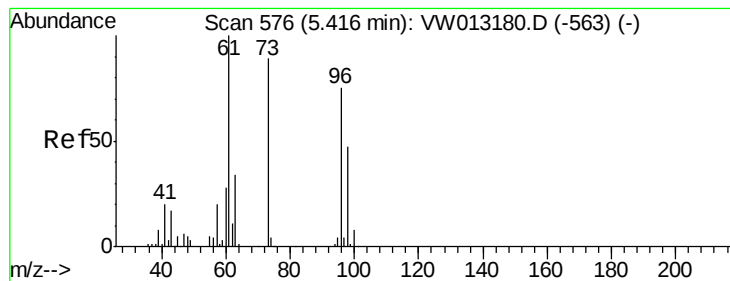
Tot Ion: 73 Resp: 109673
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 21.359 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 84 Resp: 78315
Ion Ratio Lower Upper
84 100
49 116.5 97.6 146.4
51 35.2 30.2 45.2
86 62.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.366 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

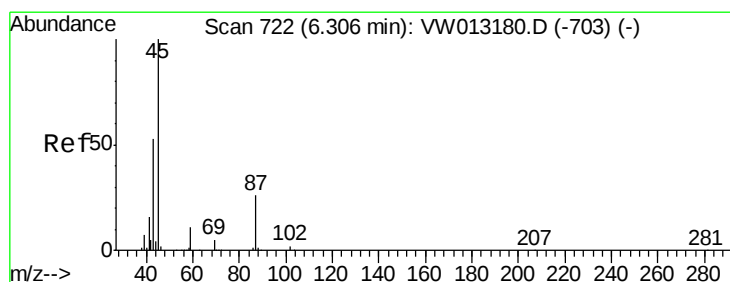
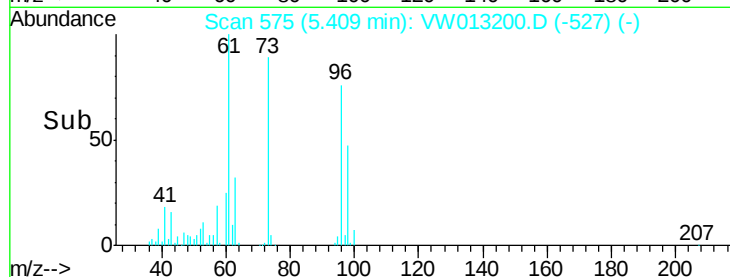
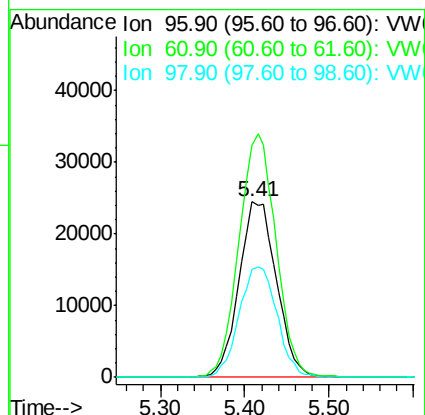
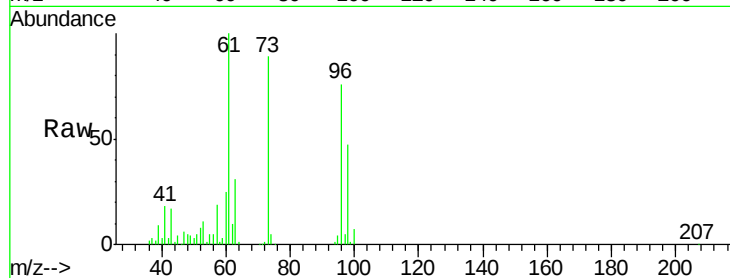
Tot Ion: 96 Resp: 73924

Ion Ratio Lower Upper

96 100

61 132.1 106.6 159.8

98 61.8 49.8 74.8



#22

Diisopropyl ether

Concen: 21.002 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion: 45 Resp: 213462

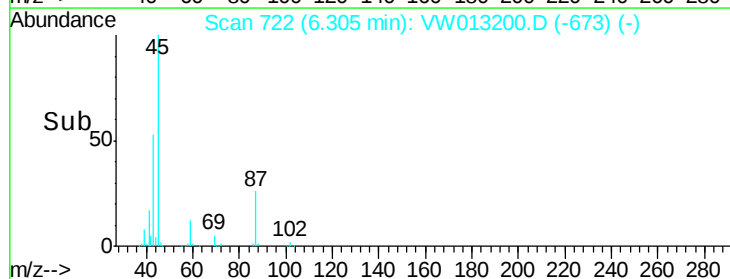
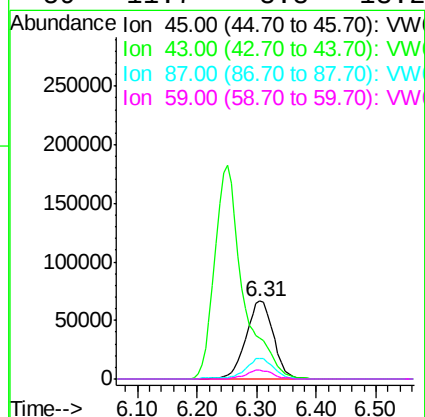
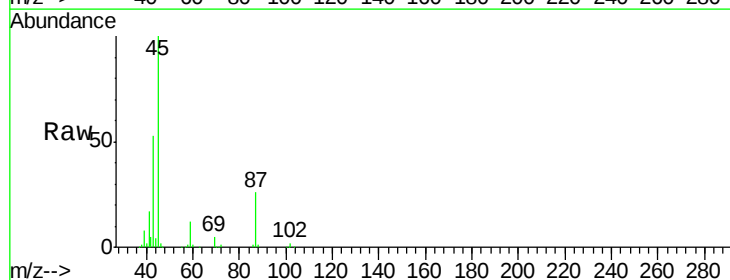
Ion Ratio Lower Upper

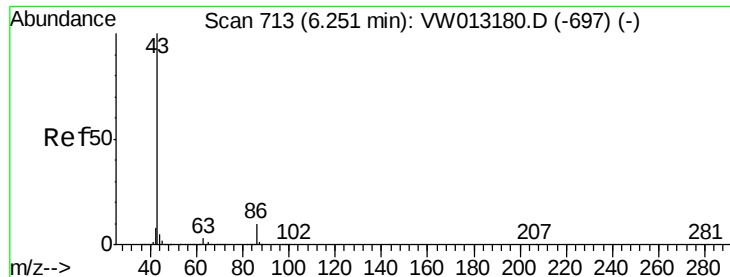
45 100

43 52.5 42.4 63.6

87 26.5 20.4 30.6

59 11.7 8.8 13.2





#23

Vinyl Acetate

Concen: 99.378 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

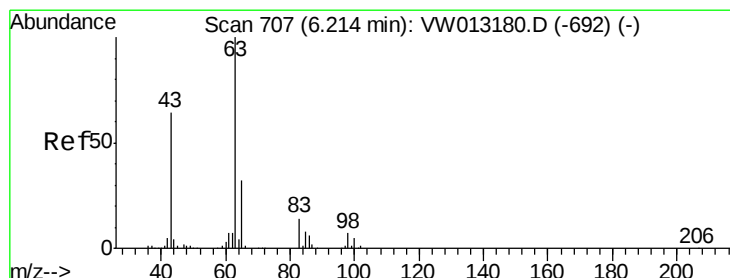
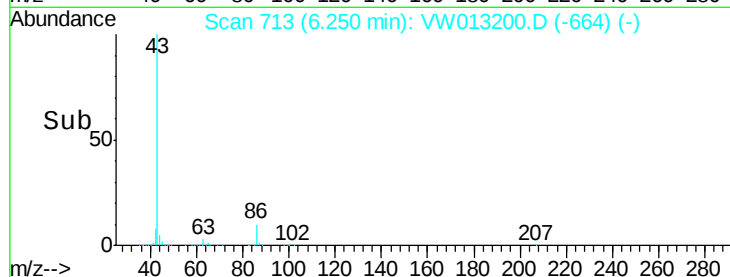
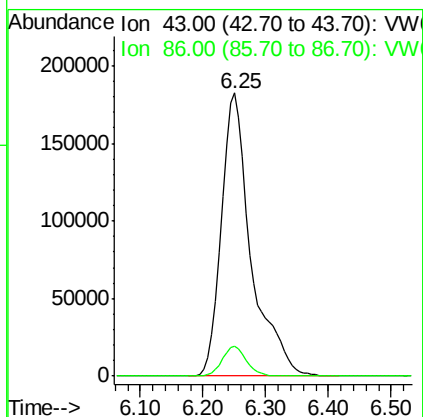
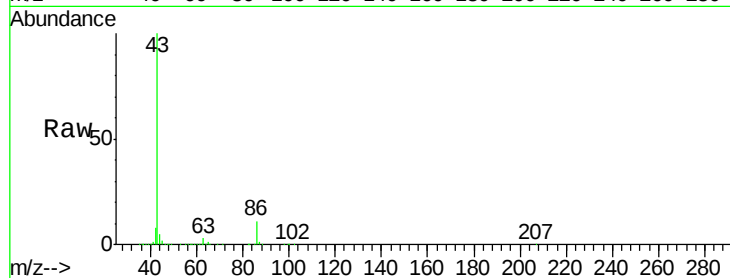
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 599213

Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.578 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

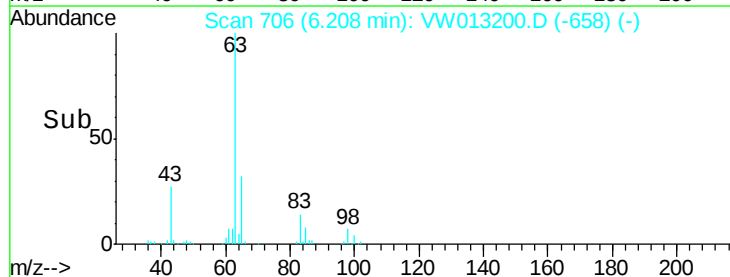
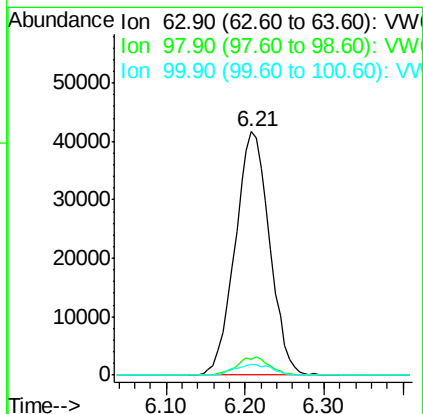
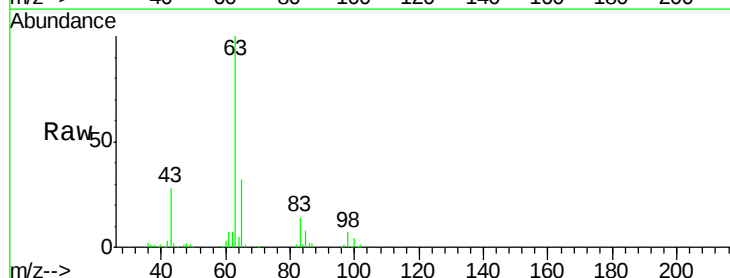
Tgt Ion: 63 Resp: 126204

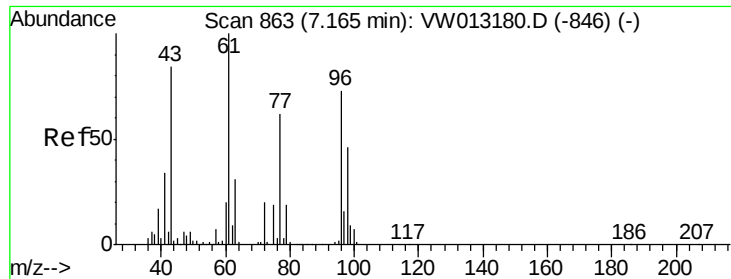
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 102.441 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

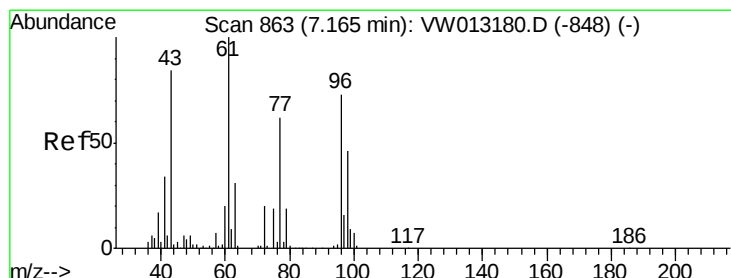
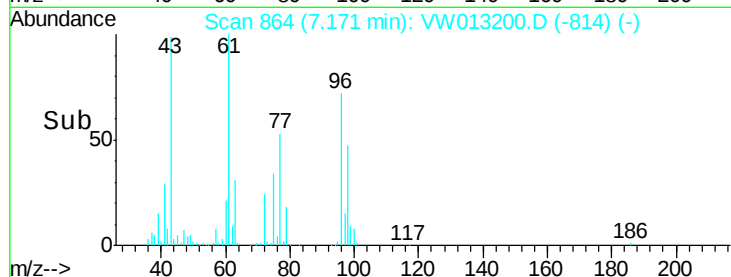
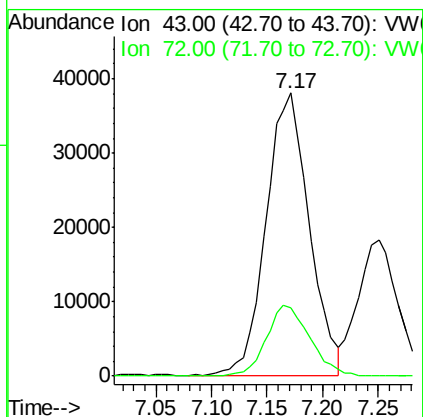
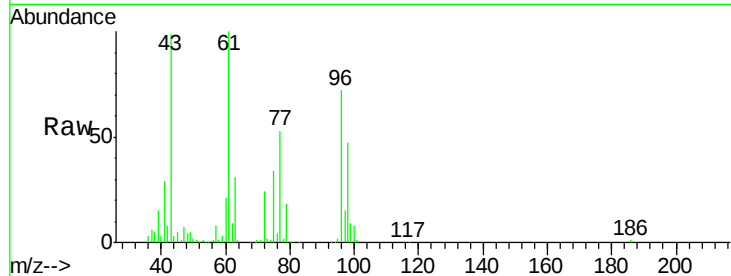
ClientSampled :

Tot Ion: 43 Resp: 102283

Ion Ratio Lower Upper

43 100

72 24.0 19.4 29.0



#26

2,2-Dichloropropane

Concen: 18.250 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013200.D

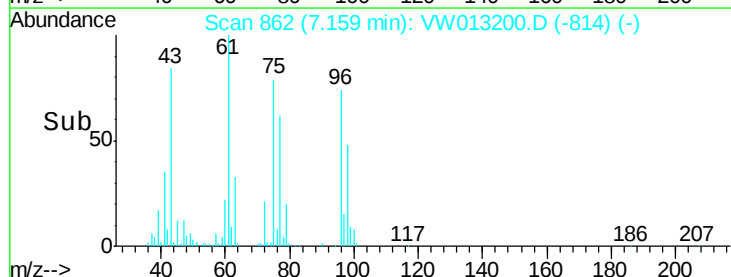
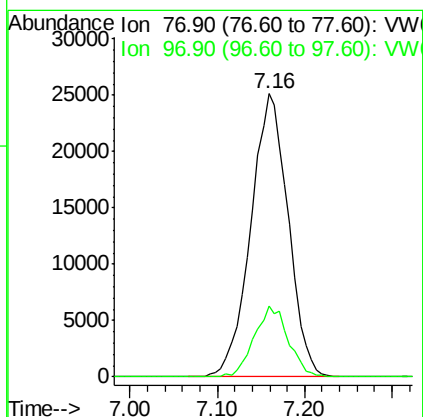
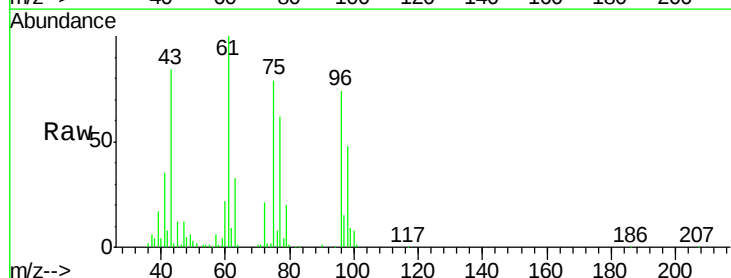
Acq: 20 Sep 2019 23:36

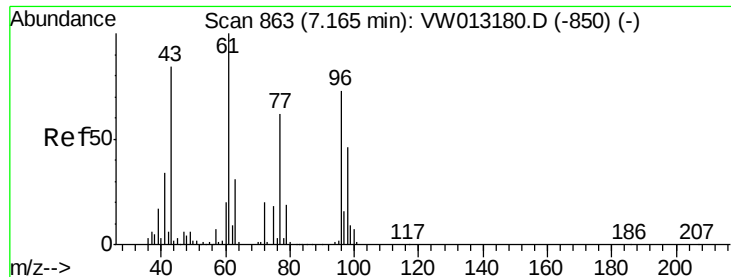
Tgt Ion: 77 Resp: 74734

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.4



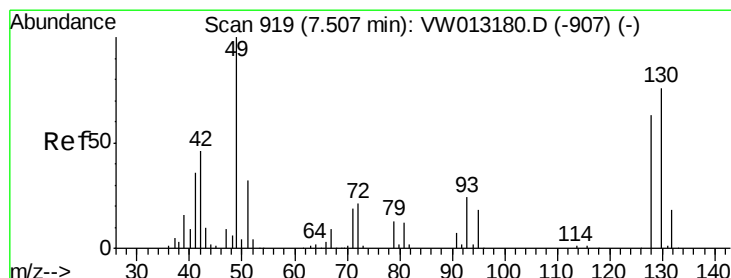
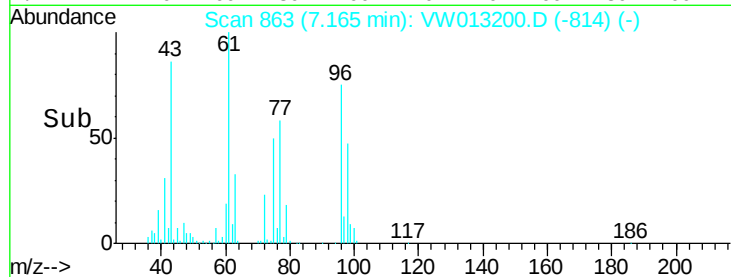
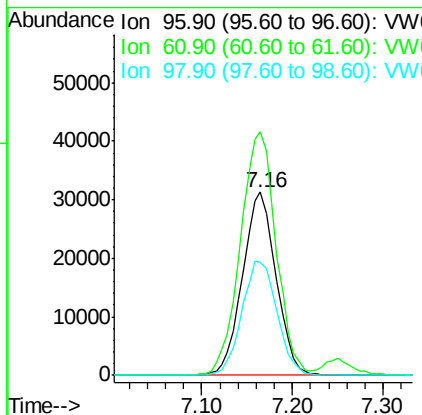
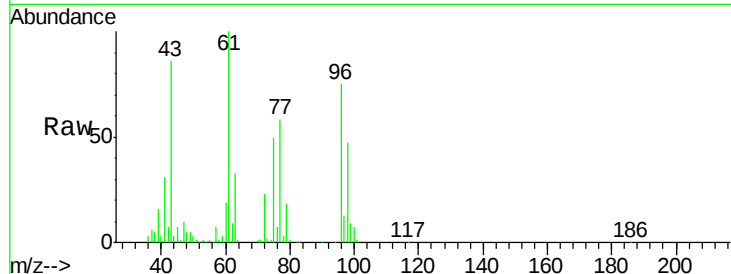


#27

cis-1,2-Dichloroethene
Concen: 20.839 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampled :

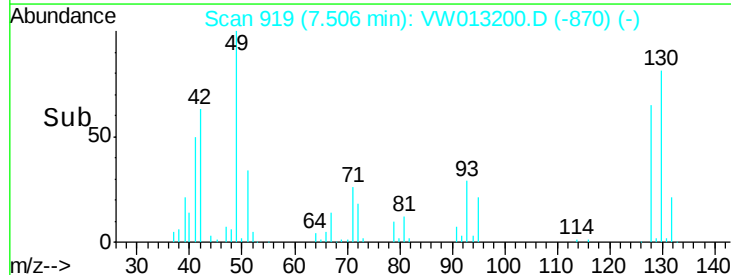
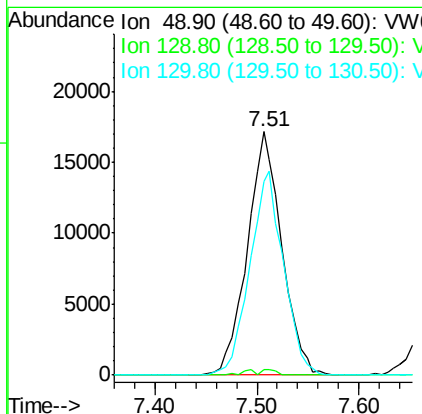
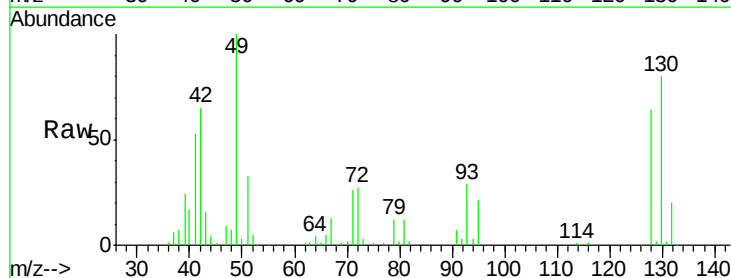
Tot Ion: 96 Resp: 79827
Ion Ratio Lower Upper
96 100
61 142.0 0.0 282.4
98 65.1 0.0 128.2

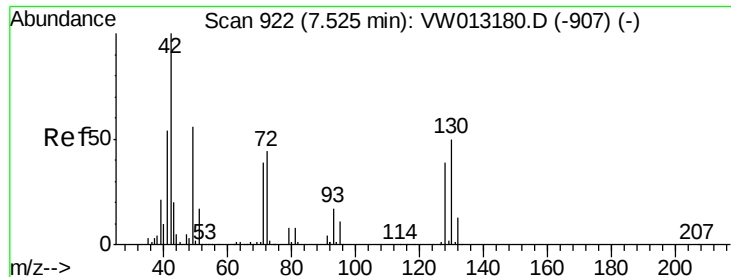


#28

Bromochloromethane
Concen: 17.170 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 49 Resp: 40417
Ion Ratio Lower Upper
49 100
129 1.0 0.0 1.0#
130 81.6 63.4 95.2

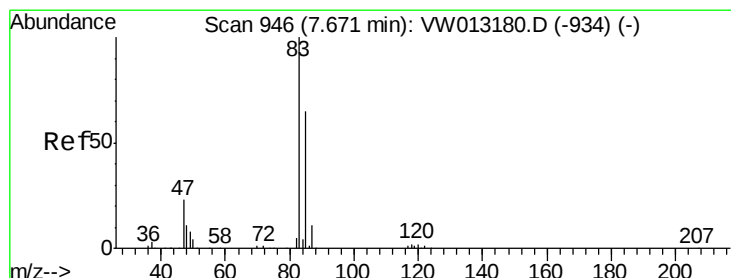
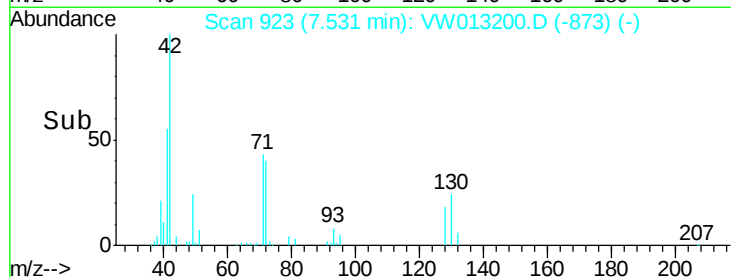
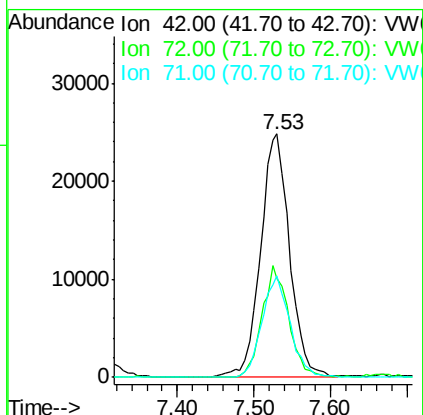
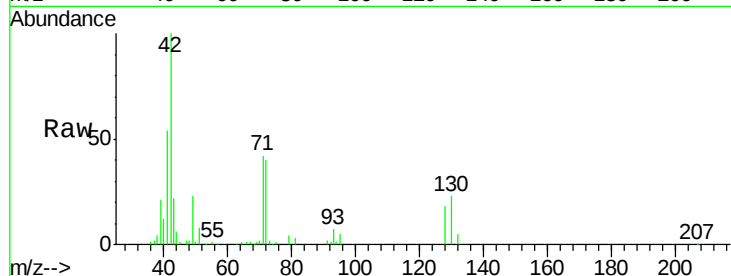




#29
Tetrahydrofuran
Concen: 107.491 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

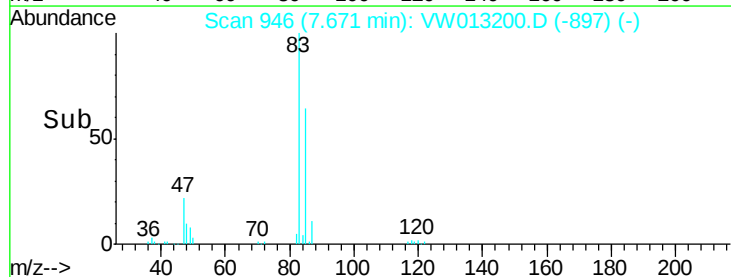
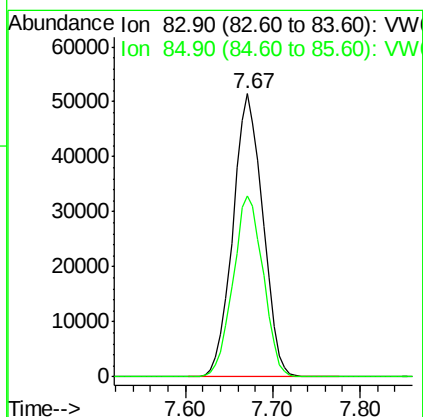
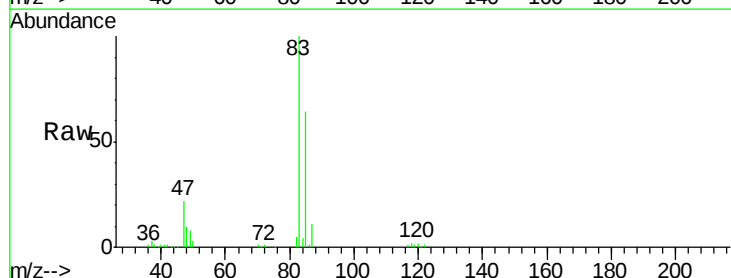
Instrument :
MSVOA_W
ClientSampled :

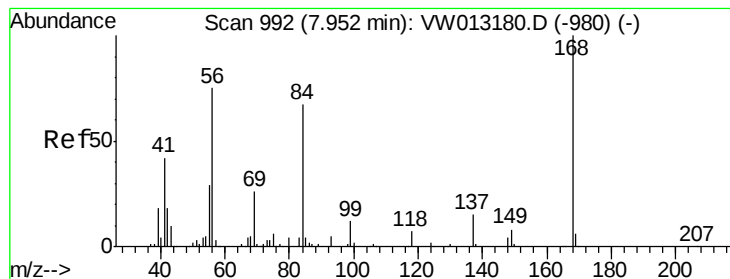
Tot Ion: 42 Resp: 65819
Ion Ratio Lower Upper
42 100
72 41.9 33.9 50.9
71 40.1 31.9 47.9



#30
Chloroform
Concen: 20.403 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 83 Resp: 122509
Ion Ratio Lower Upper
83 100
85 64.1 52.3 78.5





#31

Cyclohexane

Concen: 19.554 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

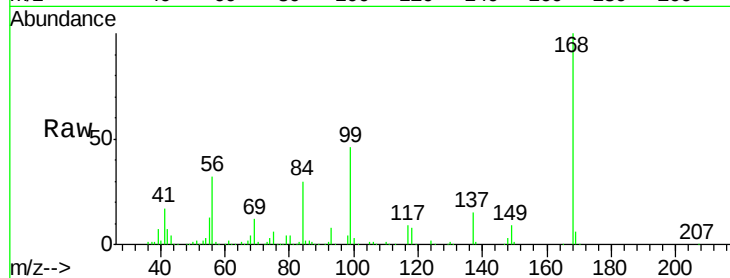
Tot Ion: 56 Resp: 125010

Ion Ratio Lower Upper

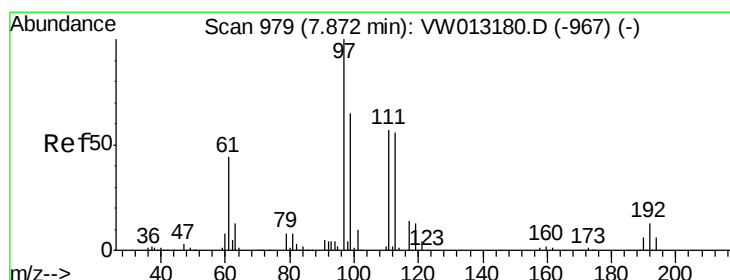
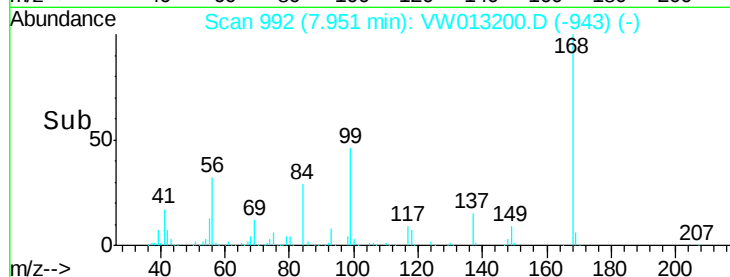
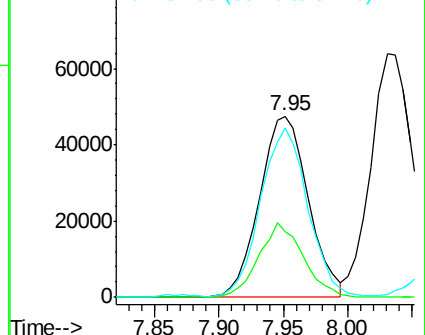
56 100

69 36.6 27.2 40.8

84 92.3 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: 20.045 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

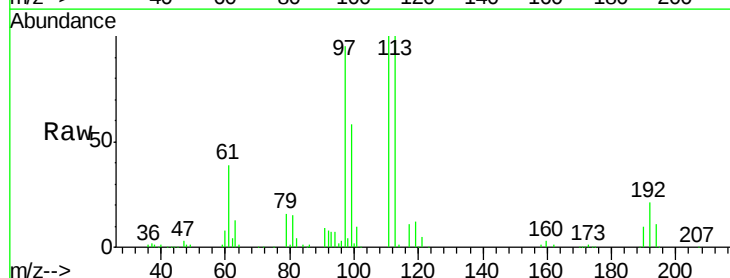
Tgt Ion: 97 Resp: 97481

Ion Ratio Lower Upper

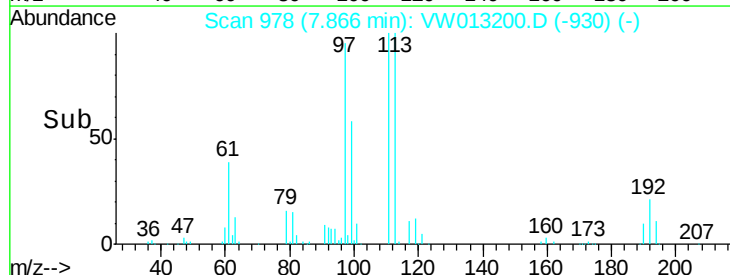
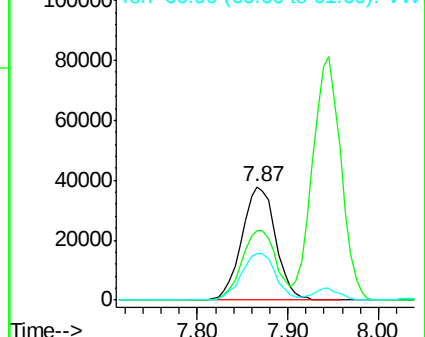
97 100

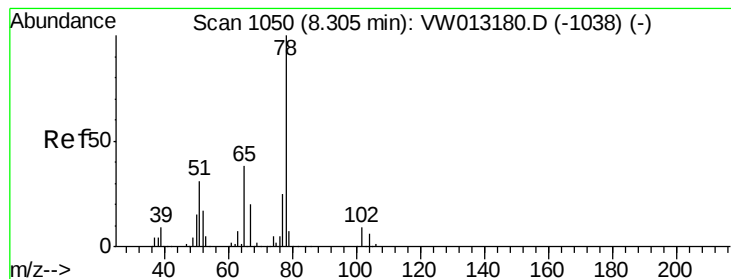
99 62.7 51.7 77.5

61 41.8 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: 50.070 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

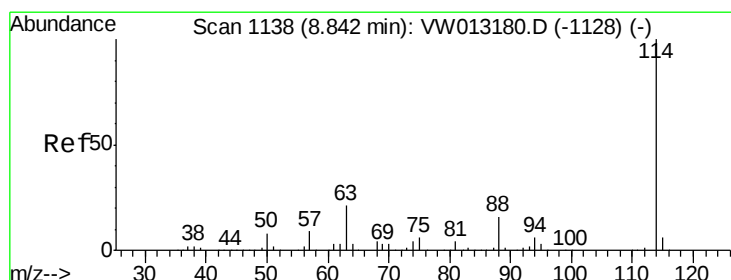
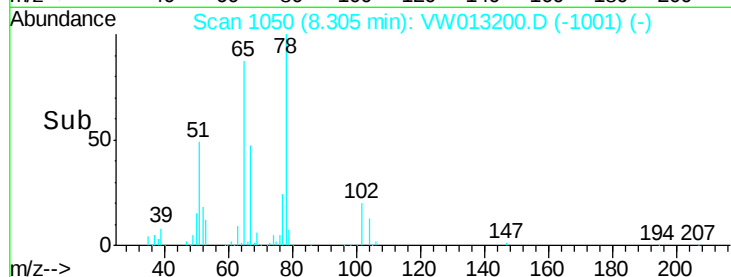
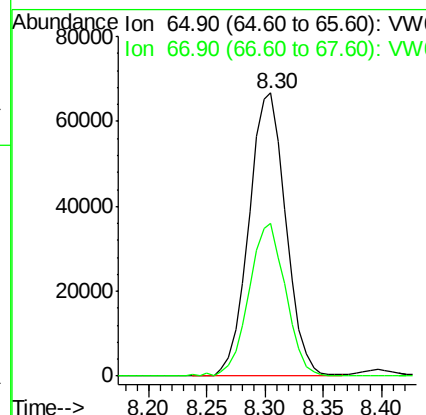
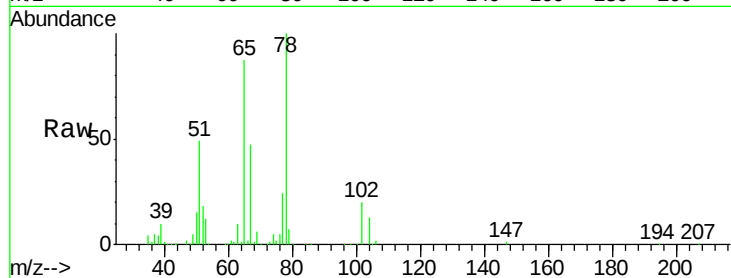
ClientSampleId :

Tot Ion: 65 Resp: 147675

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

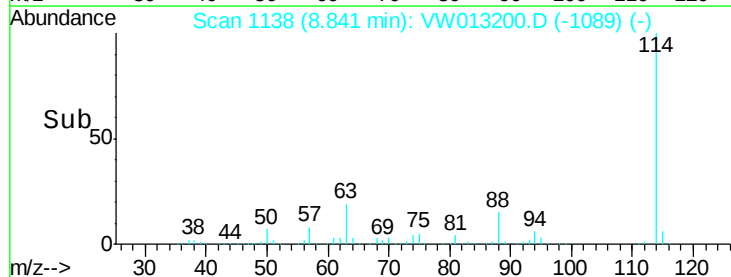
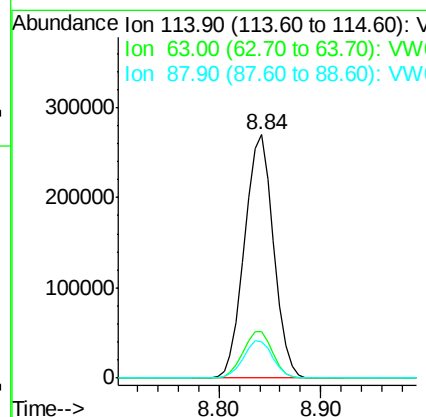
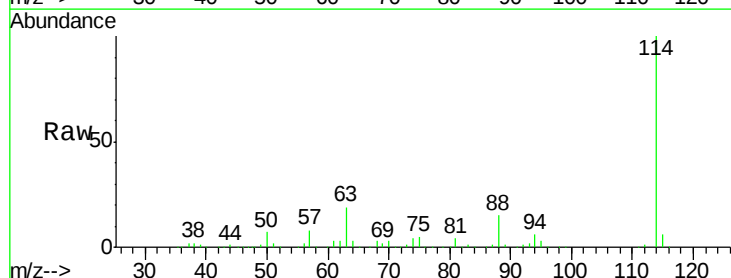
Tgt Ion: 114 Resp: 533248

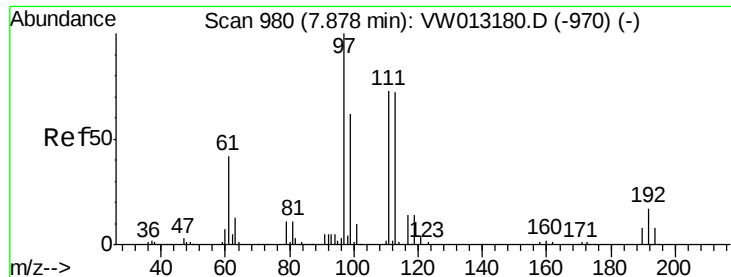
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.766 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

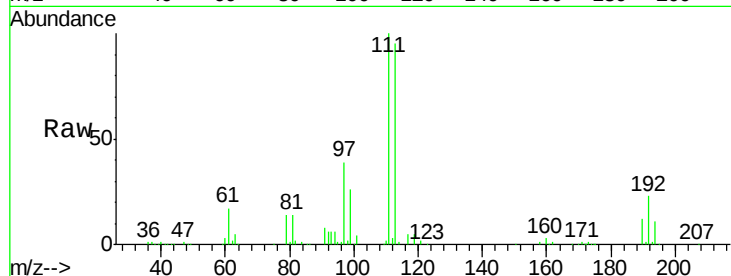
Tot Ion:113 Resp: 143023

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

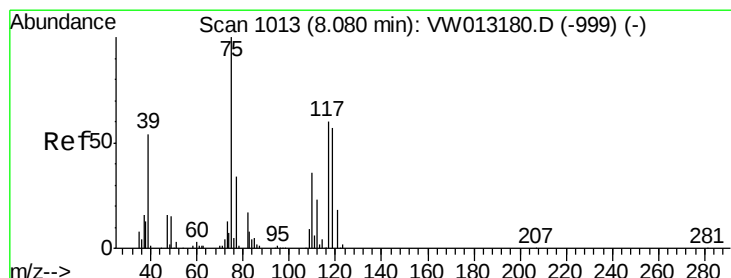
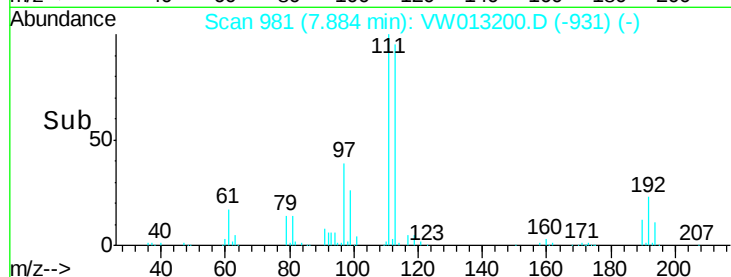
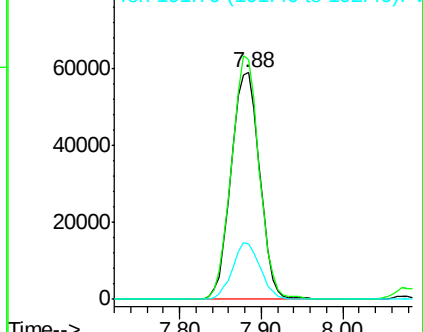
192 23.8 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.853 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

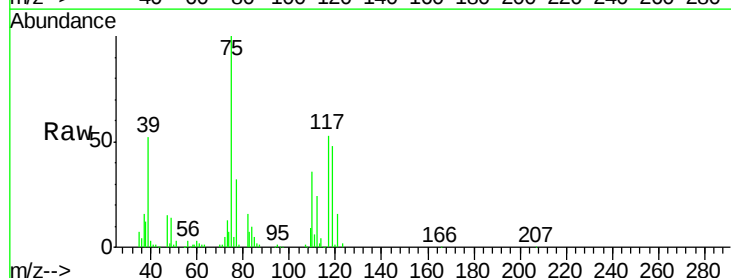
Tgt Ion: 75 Resp: 102538

Ion Ratio Lower Upper

75 100

110 35.4 18.1 54.3

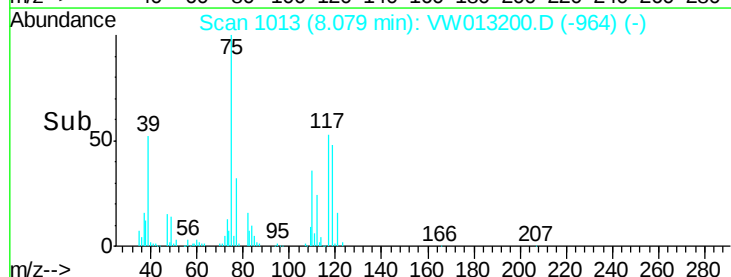
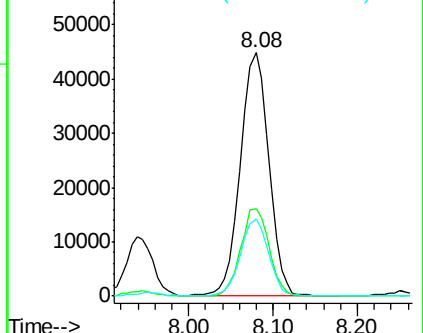
77 31.2 25.8 38.6

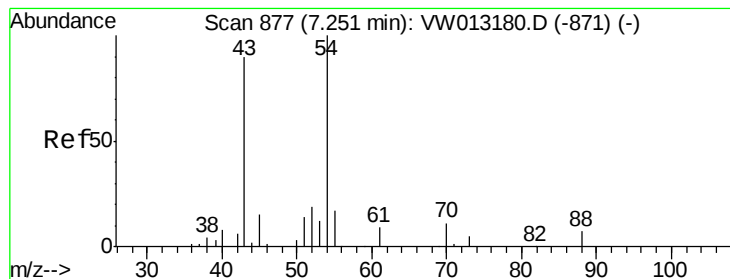


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 21.301 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

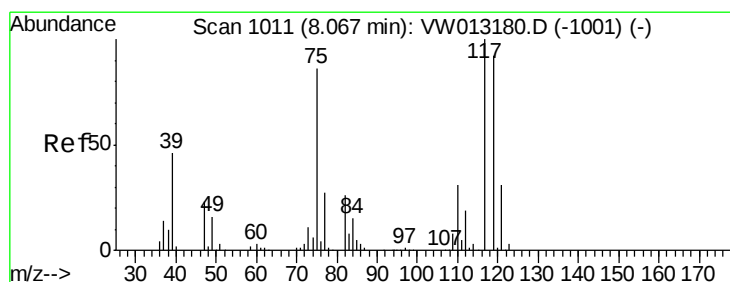
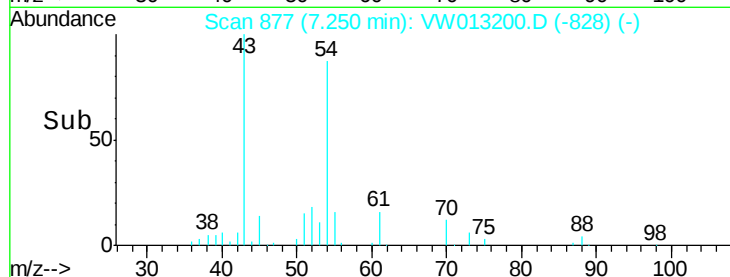
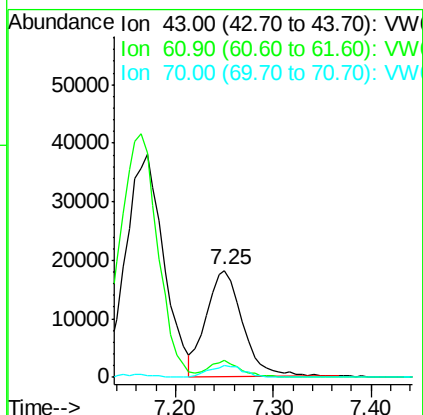
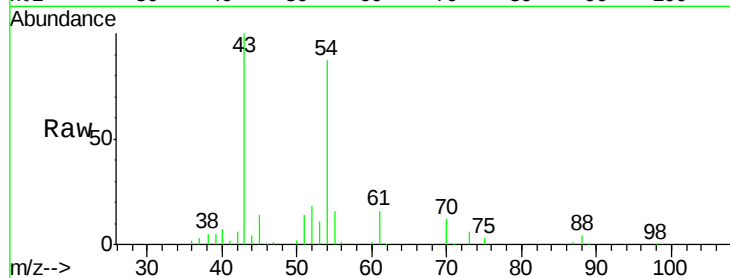
Tot Ion: 43 Resp: 46758

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

70 10.7 8.2 12.2



#38

Carbon Tetrachloride

Concen: 19.260 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

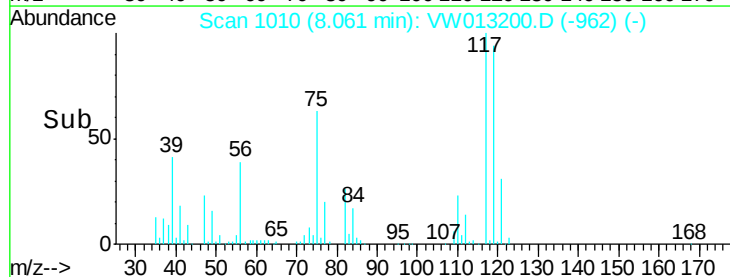
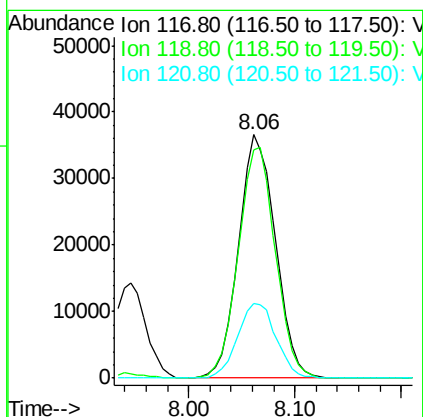
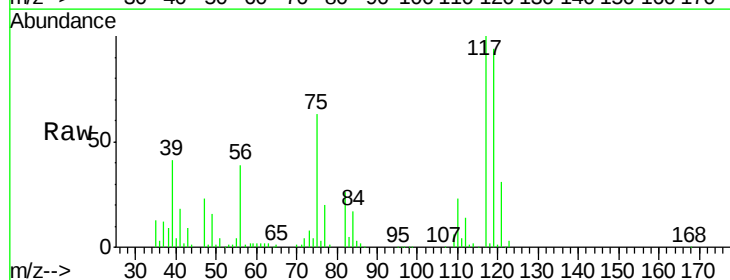
Tgt Ion: 117 Resp: 89175

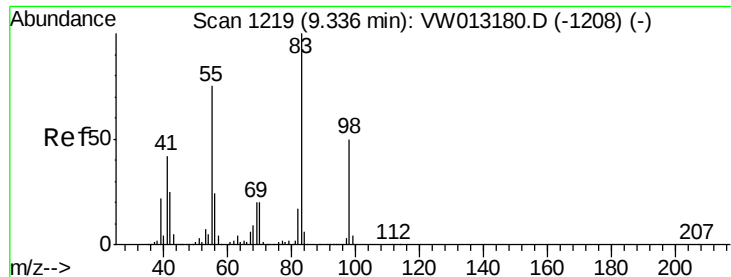
Ion Ratio Lower Upper

117 100

119 93.7 73.5 110.3

121 30.7 25.0 37.6

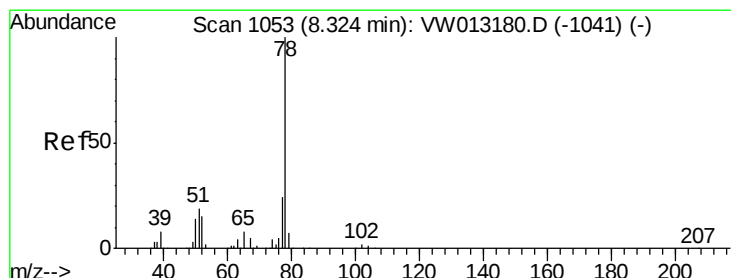
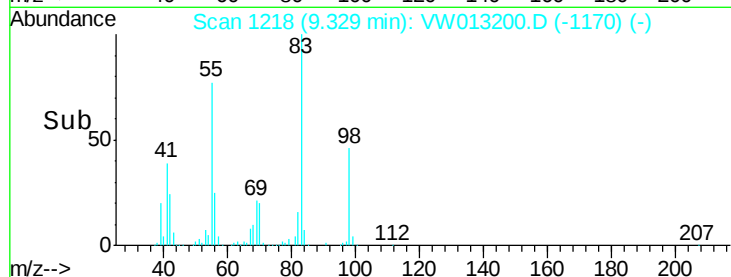
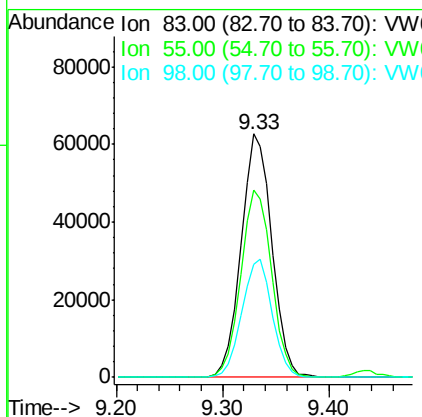
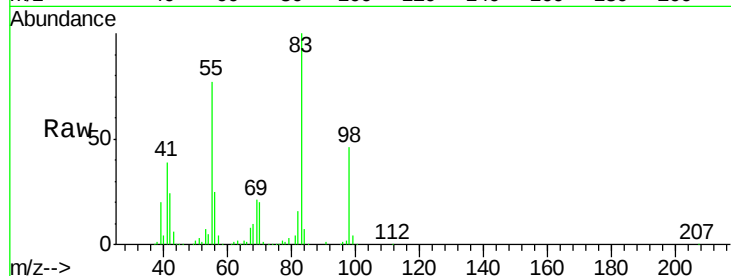




#39
Methvlcvclohexane
Concen: 19.173 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

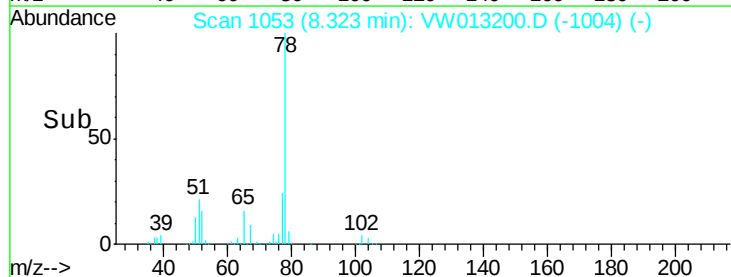
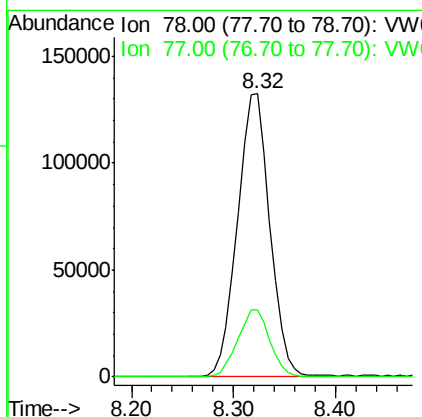
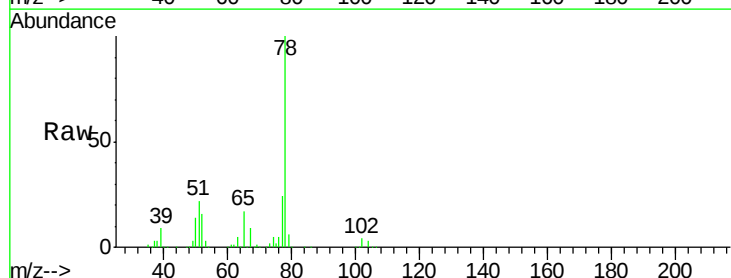
Instrument :
MSVOA_W
ClientSampled :

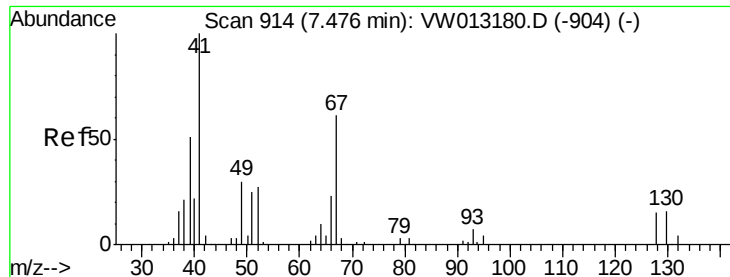
Tot Ion: 83 Resp: 127257
Ion Ratio Lower Upper
83 100
55 77.1 60.4 90.6
98 46.5 40.0 60.0



#40
Benzene
Concen: 20.341 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 78 Resp: 293037
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

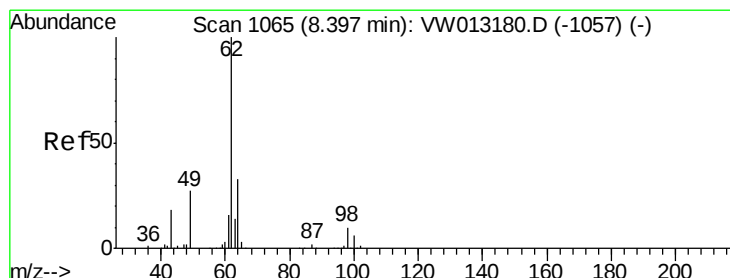
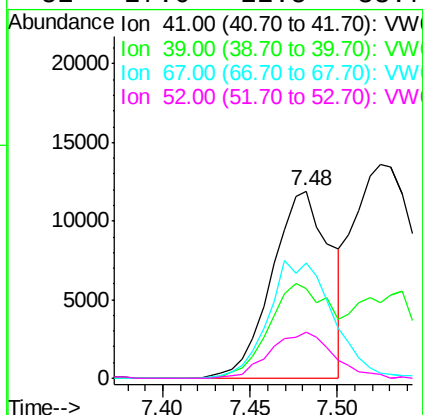
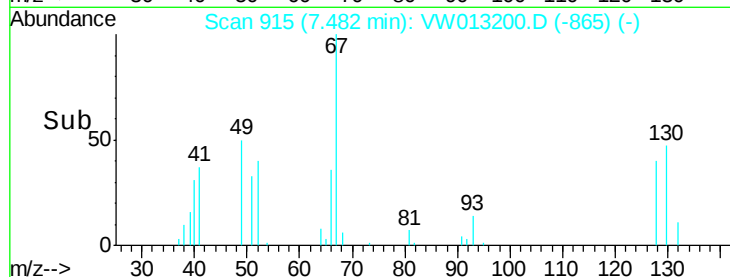
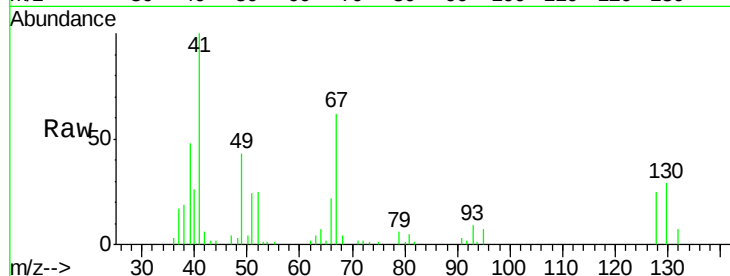




#41
Methacrylonitrile
Concen: 21.190 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

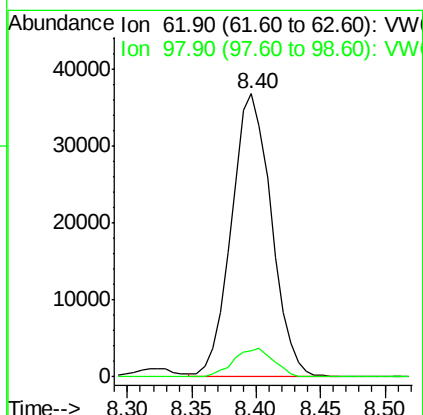
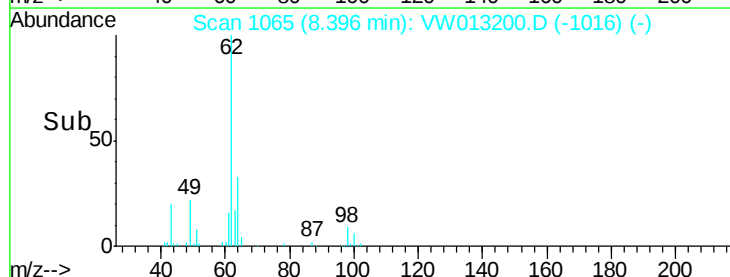
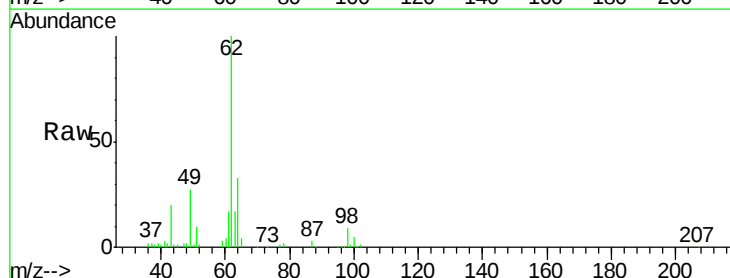
Instrument :
MSVOA_W
ClientSampled :

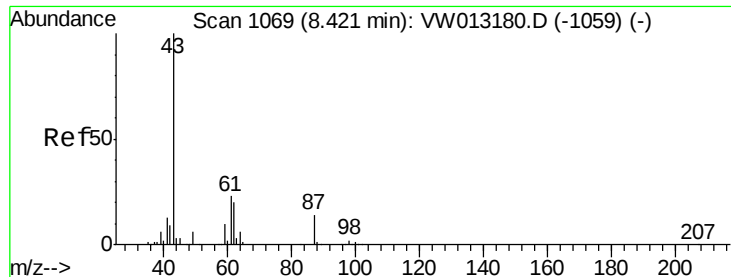
Tot Ion:	41	Resp:	27761
Ion	Ratio	Lower	Upper
41	100		
39	52.6	45.9	68.9
67	69.6	54.5	81.7
52	27.0	22.5	33.7



#42
1,2-Dichloroethane
Concen: 20.522 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:	62	Resp:	79476
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.960 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

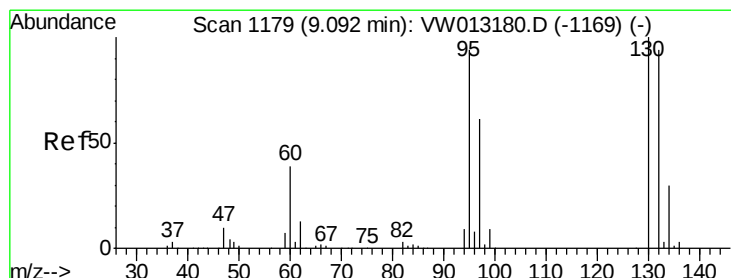
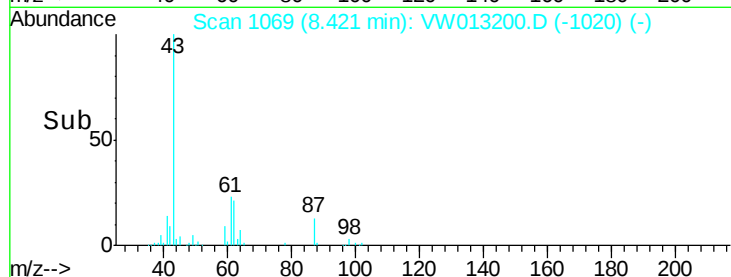
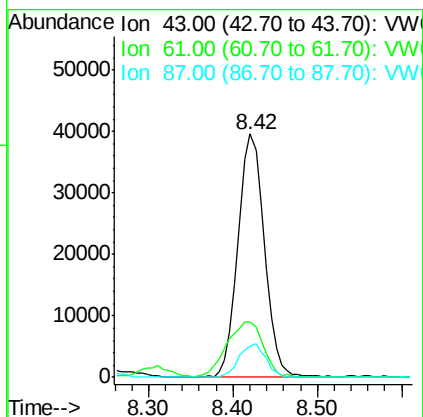
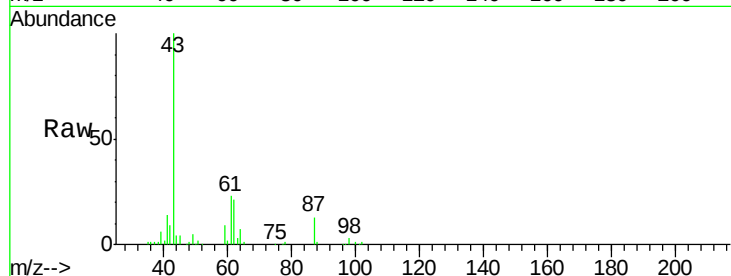
Tot Ion: 43 Resp: 83975

Ion Ratio Lower Upper

43 100

61 31.8 25.5 38.3

87 13.8 11.0 16.4



#44

Trichloroethene

Concen: 19.745 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013200.D

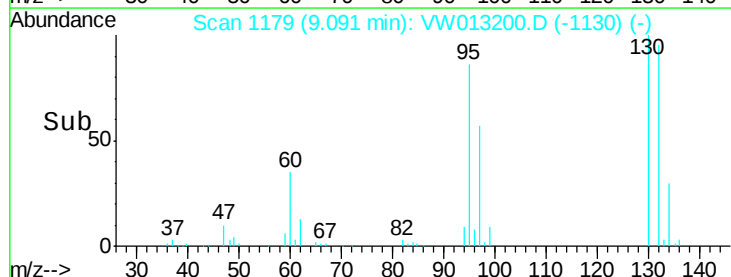
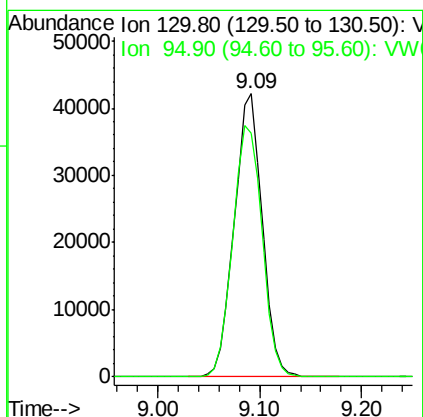
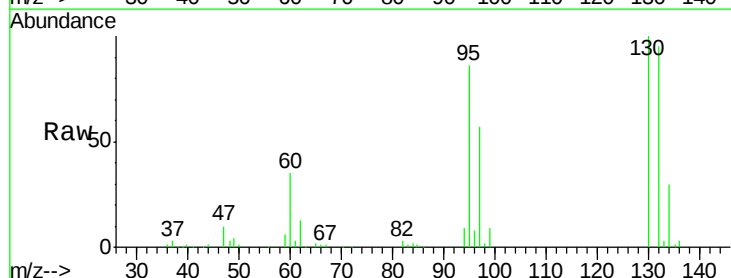
Acq: 20 Sep 2019 23:36

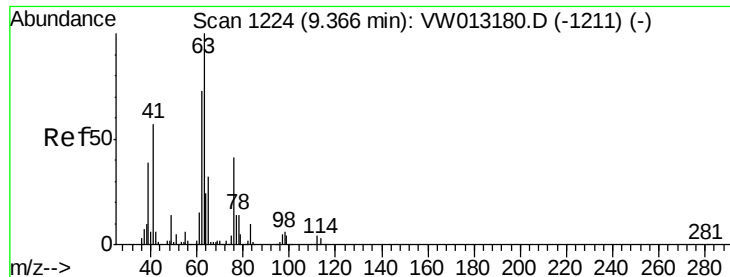
Tgt Ion: 130 Resp: 79808

Ion Ratio Lower Upper

130 100

95 86.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.213 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

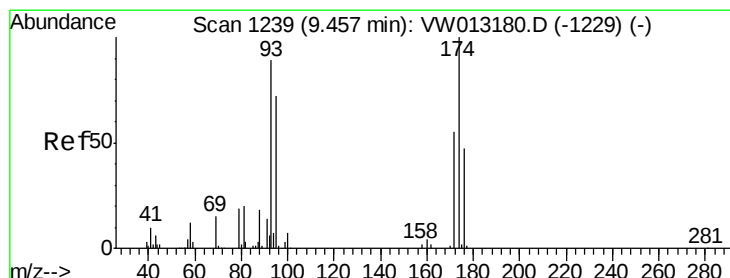
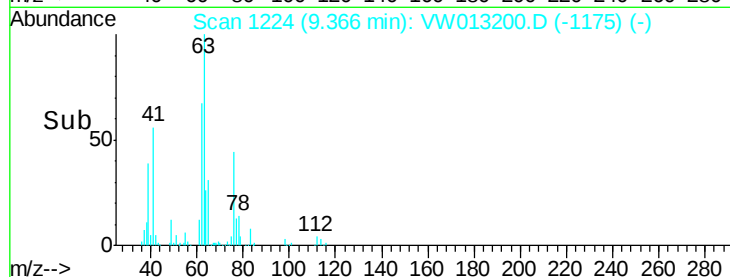
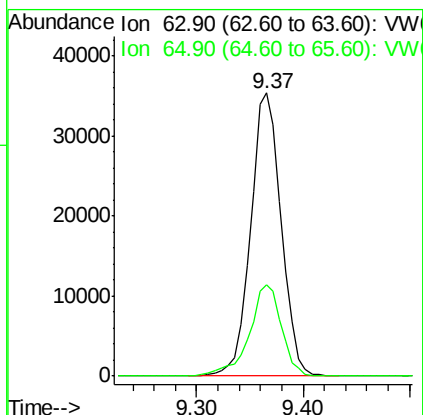
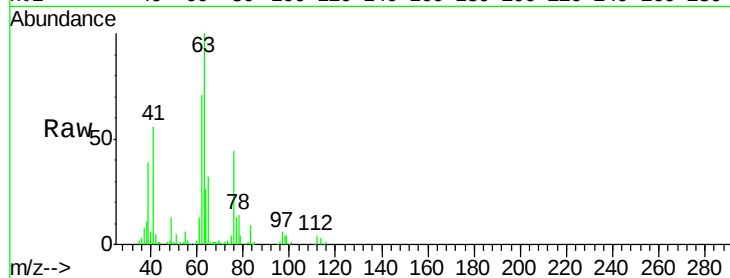
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 71095

Ion Ratio Lower Upper

63 100

65 32.2 25.3 37.9



#46

Dibromomethane

Concen: 20.505 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

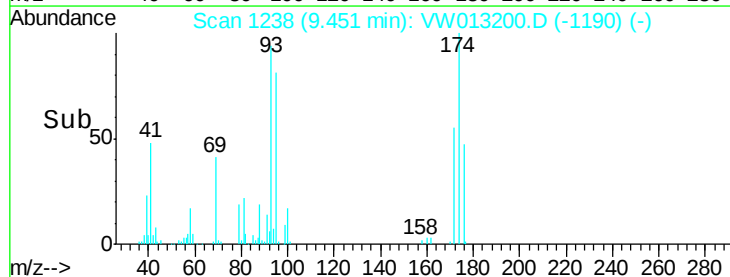
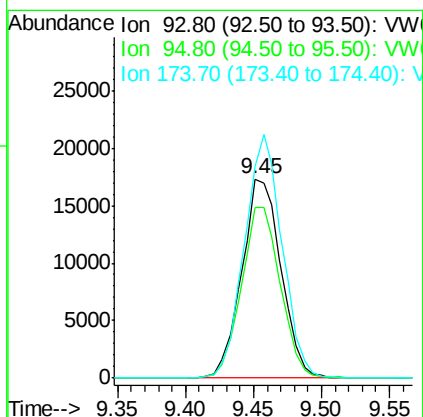
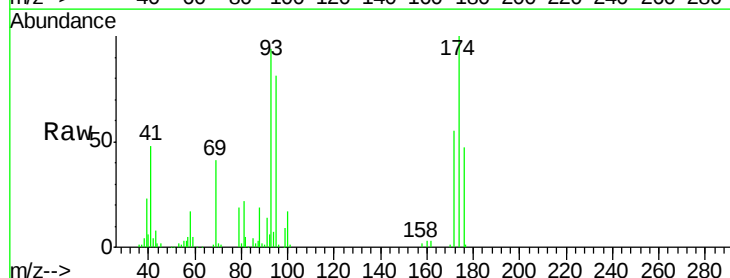
Tgt Ion: 93 Resp: 35014

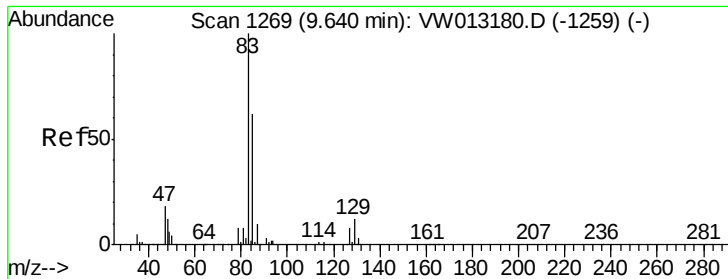
Ion Ratio Lower Upper

93 100

95 85.1 66.4 99.6

174 117.1 93.0 139.6





#47

Bromodichloromethane

Concen: 19.740 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampled :

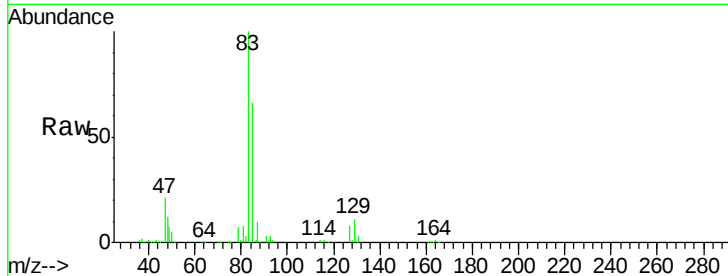
Tot Ion: 83 Resp: 85769

Ion Ratio Lower Upper

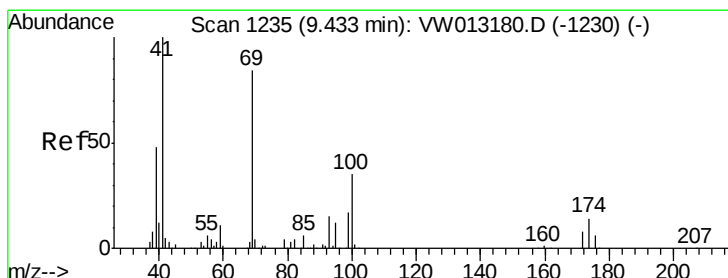
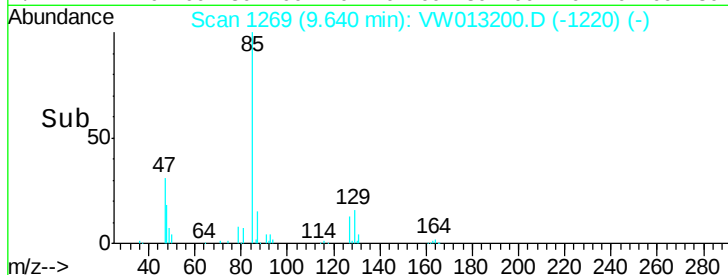
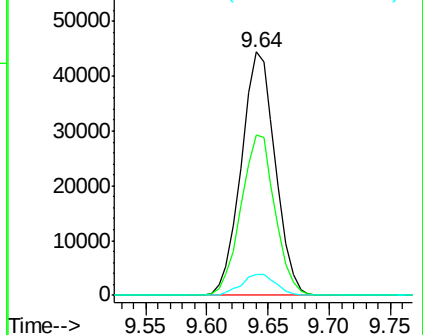
83 100

85 65.6 49.4 74.2

127 8.5 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: 20.465 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

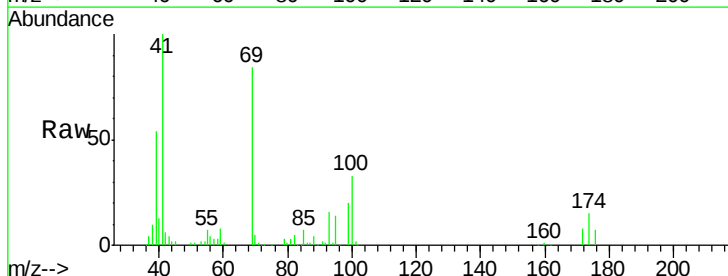
Tgt Ion: 41 Resp: 40486

Ion Ratio Lower Upper

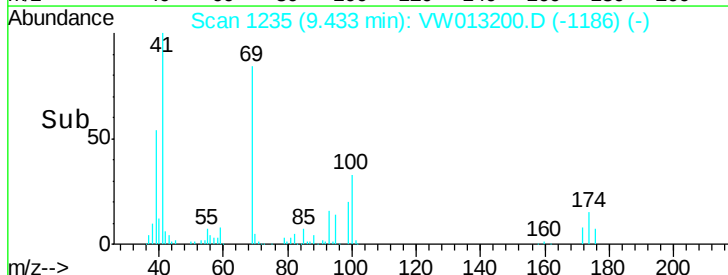
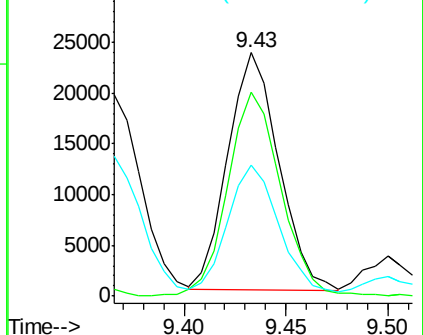
41 100

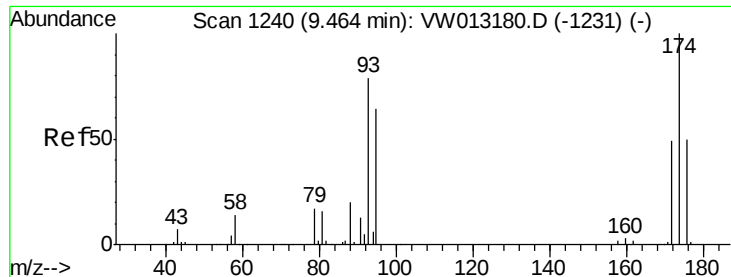
69 88.7 69.7 104.5

39 52.5 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

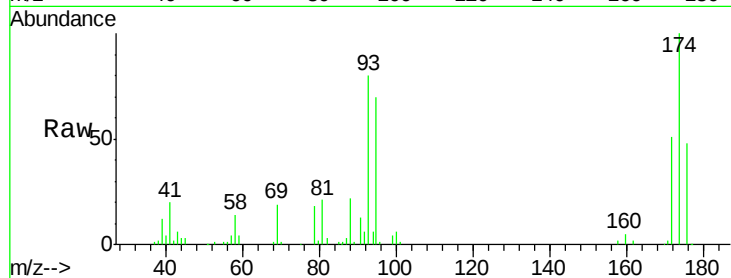




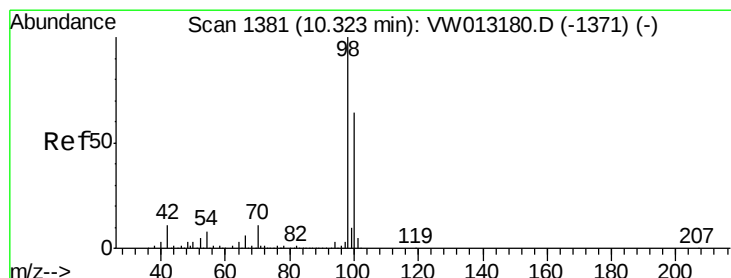
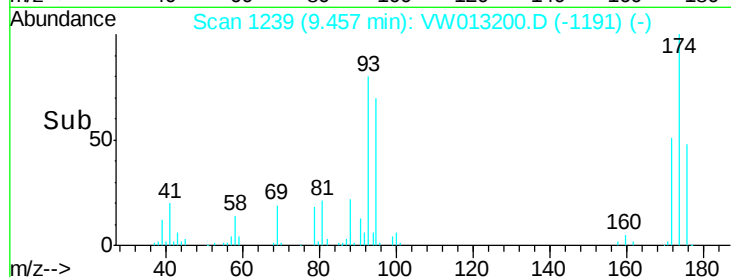
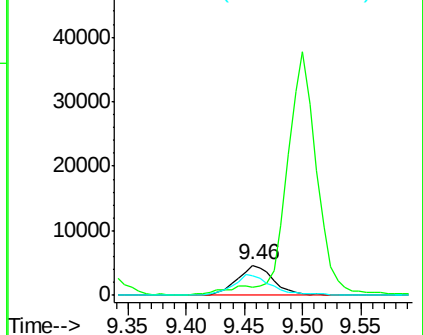
#49
 1,4-Dioxane
 Concen: 391.852 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 10044
 Ion Ratio Lower Upper
 88 100
 43 28.9 0.0 0.0#
 58 71.5 65.4 98.0

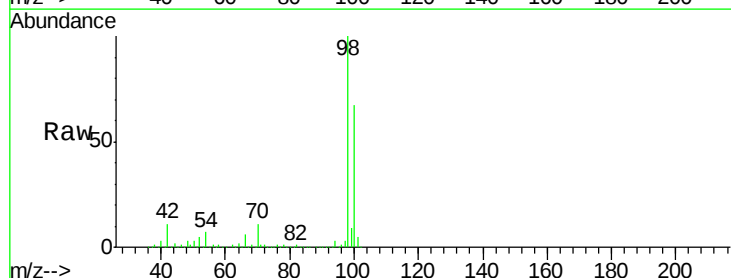


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

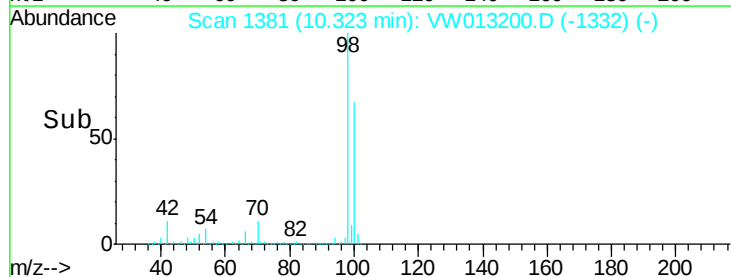
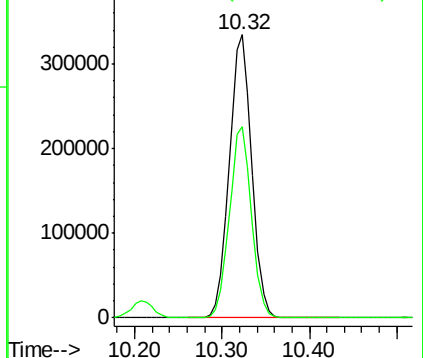


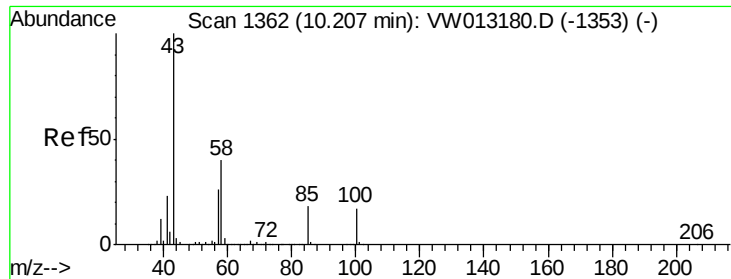
#50
 Toluene-d8
 Concen: 48.347 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion: 98 Resp: 593427
 Ion Ratio Lower Upper
 98 100
 100 66.5 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 105.040 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

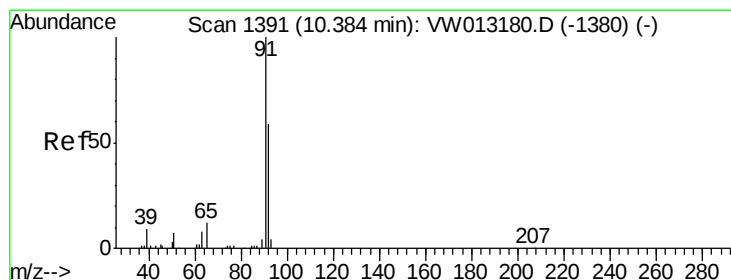
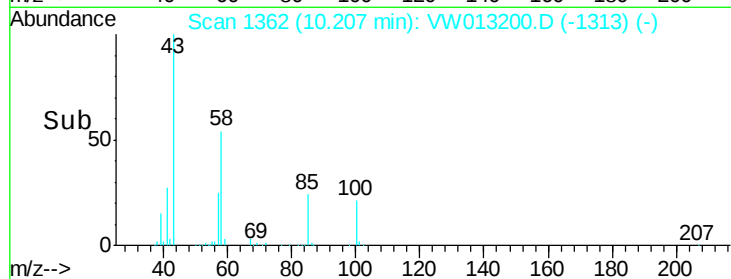
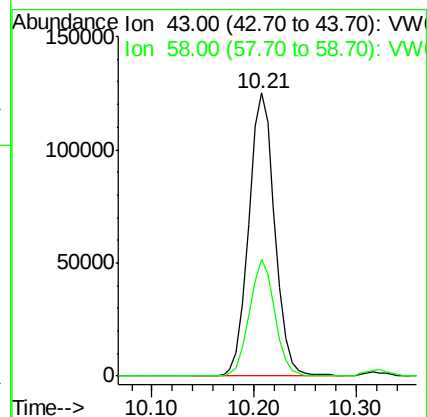
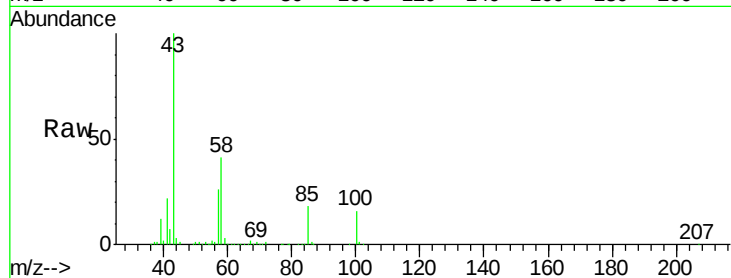
ClientSampled :

Tot Ion: 43 Resp: 221540

Ion Ratio Lower Upper

43 100

58 40.3 31.7 47.5



#52

Toluene

Concen: 20.226 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013200.D

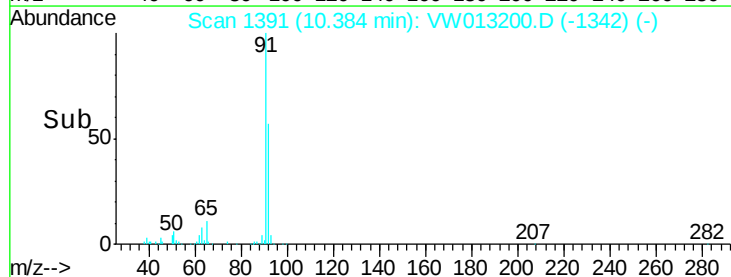
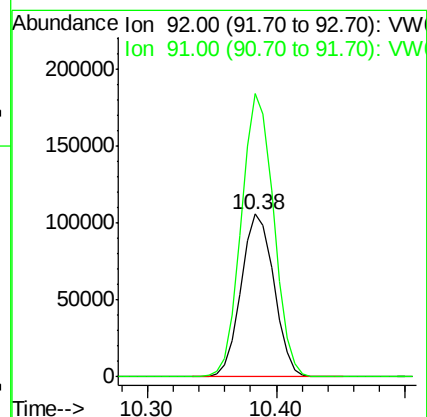
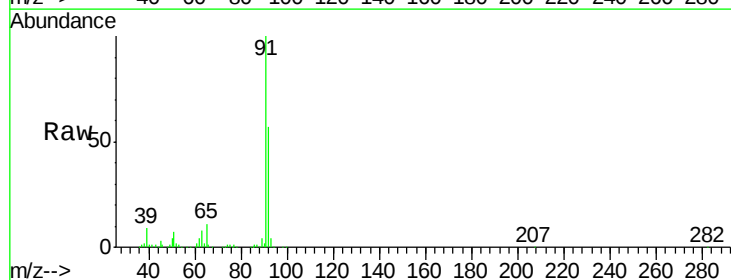
Acq: 20 Sep 2019 23:36

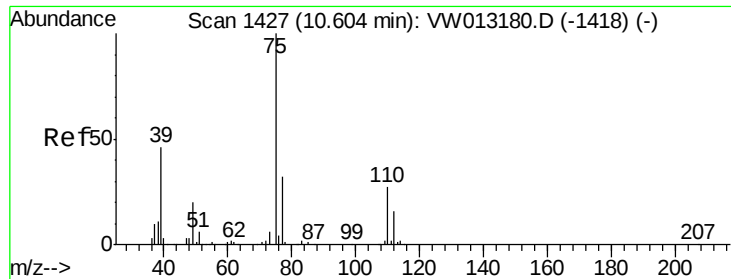
Tgt Ion: 92 Resp: 186742

Ion Ratio Lower Upper

92 100

91 171.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.623 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

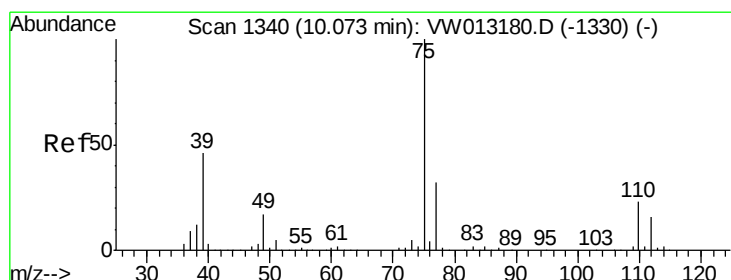
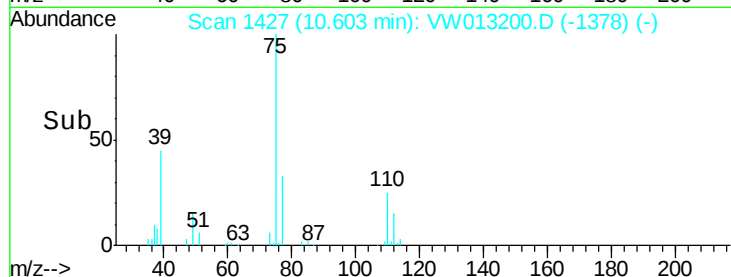
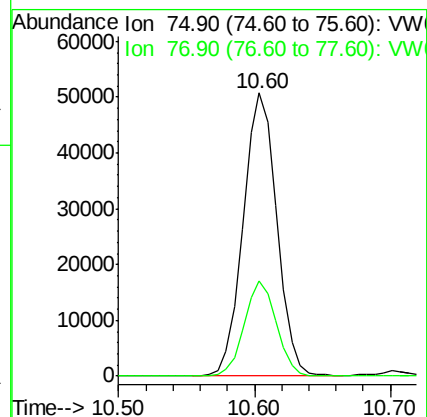
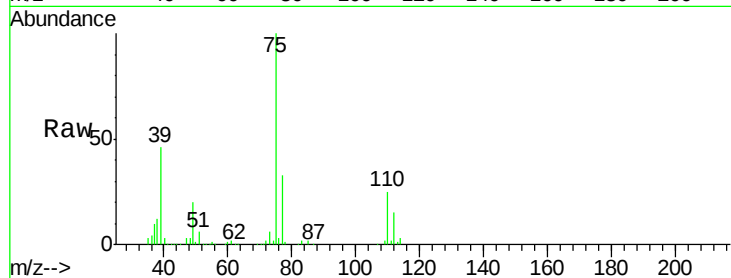
ClientSampleId :

Tot Ion: 75 Resp: 87597

Ion Ratio Lower Upper

75 100

77 33.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.862 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

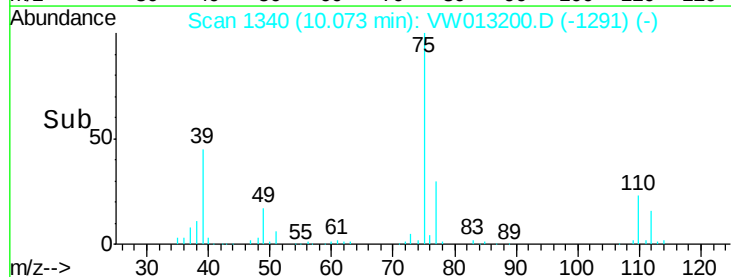
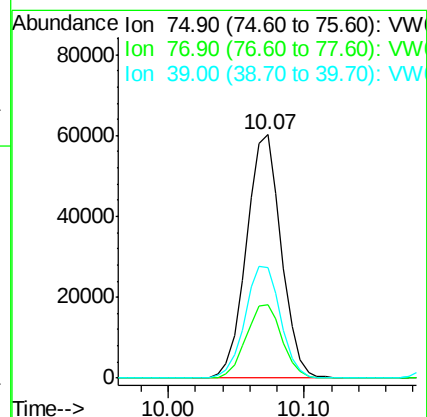
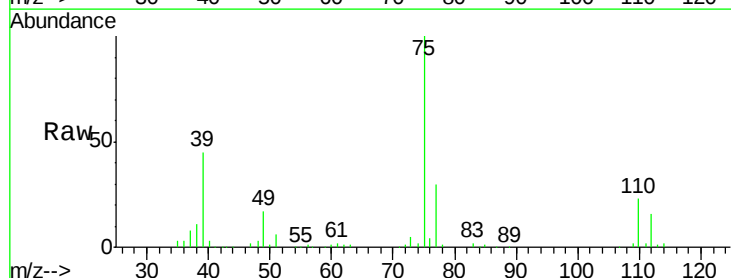
Tgt Ion: 75 Resp: 107804

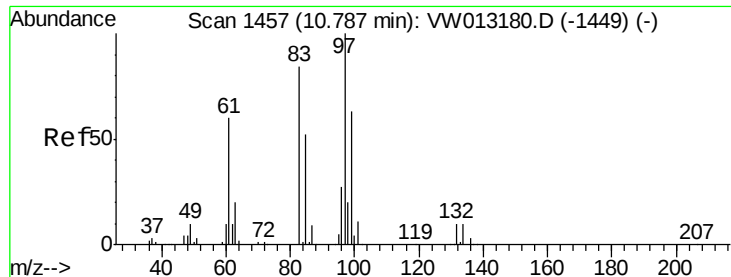
Ion Ratio Lower Upper

75 100

77 30.1 25.2 37.8

39 45.5 36.6 55.0

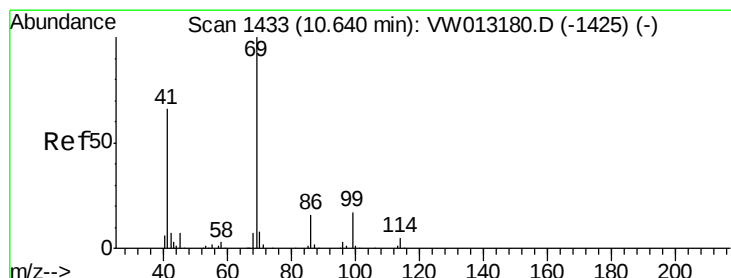
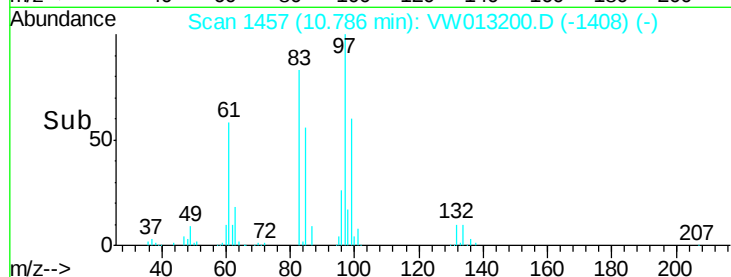
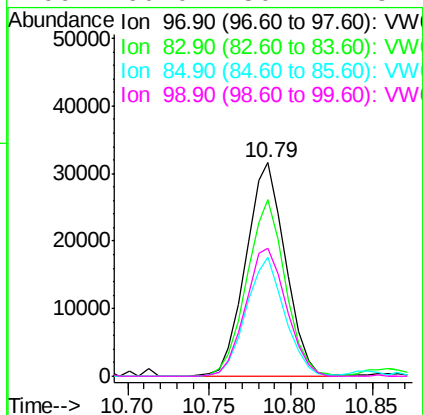
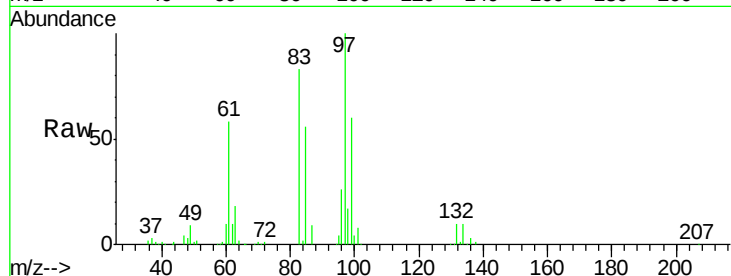




#55
 1,1,2-Trichloroethane
 Concen: 20.903 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

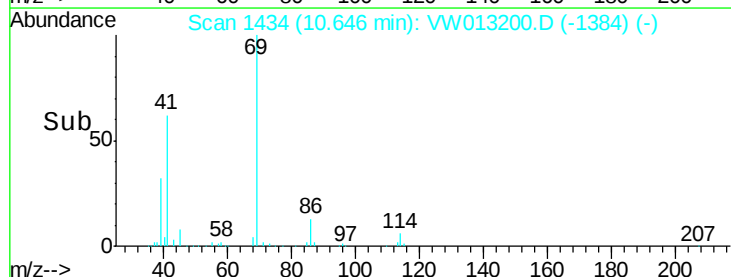
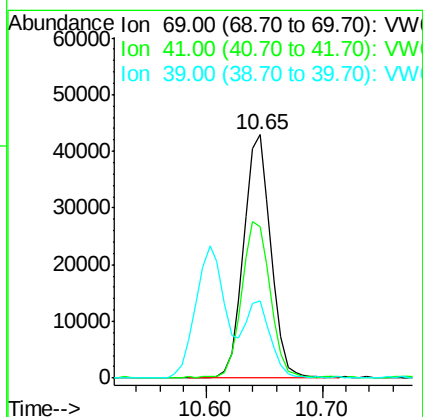
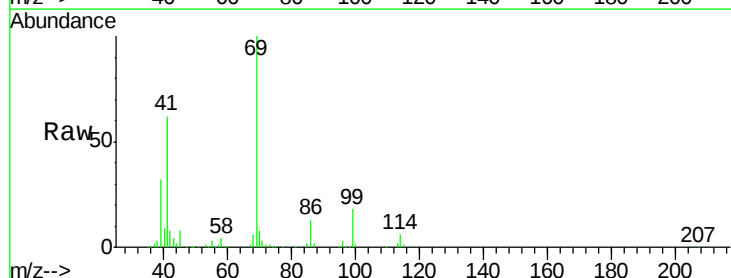
Instrument :
 MSVOA_W
 ClientSampleId :

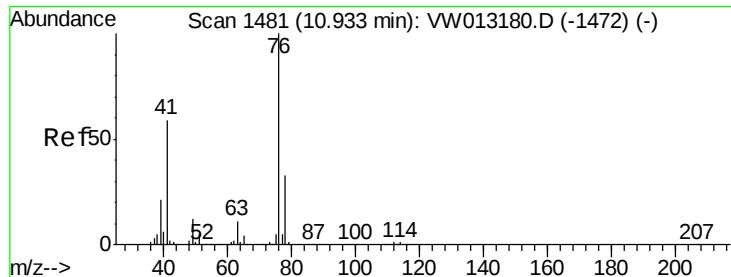
Tot Ion:	97	Resp:	53352
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.6	101.4
85	56.0	41.9	62.9
99	60.0	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 20.977 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion:	69	Resp:	70069
Ion	Ratio	Lower	Upper
69	100		
41	68.1	53.9	80.9
39	28.5	23.8	35.6

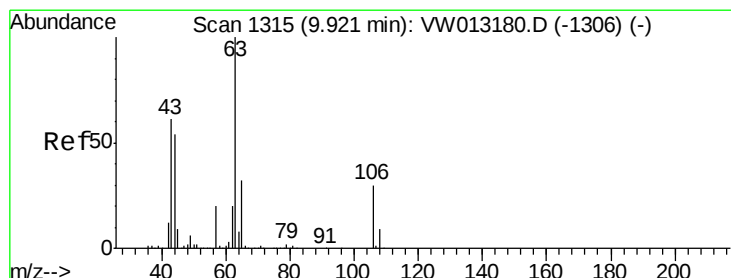
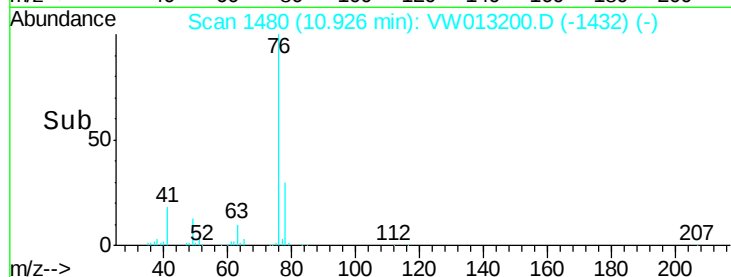
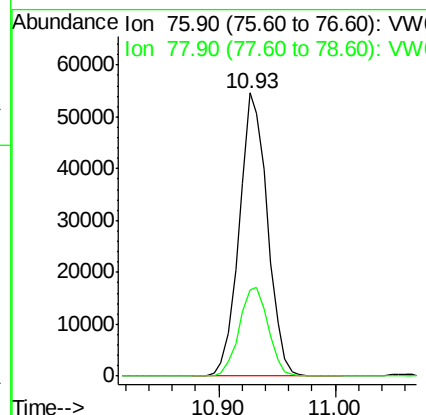
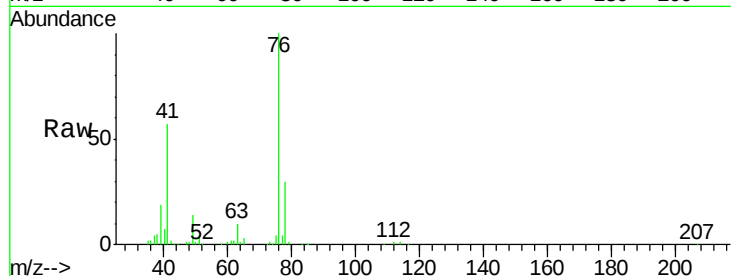




#57
 1,3-Dichloropropane
 Concen: 20.655 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

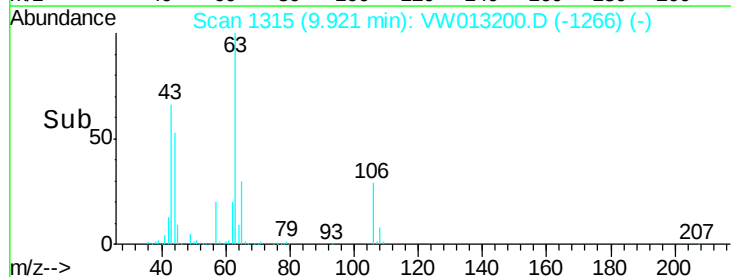
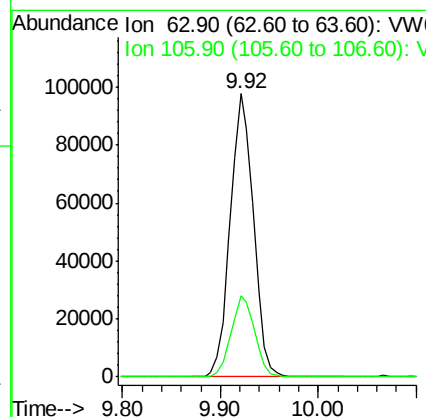
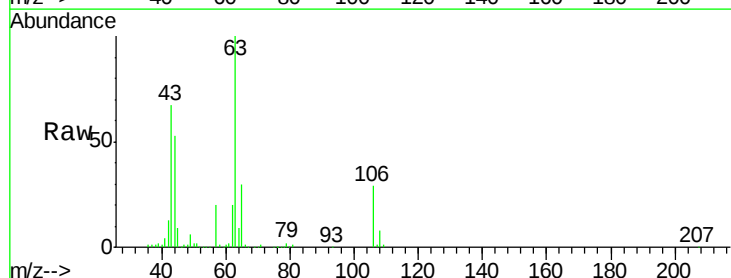
Instrument :
 MSVOA_W
 ClientSampled :

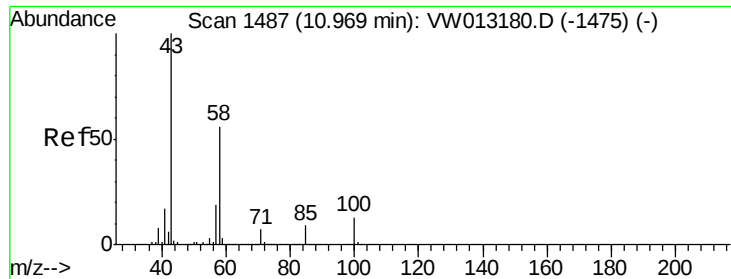
Tot Ion: 76 Resp: 91994
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.016 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion: 63 Resp: 160846
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.4 35.0

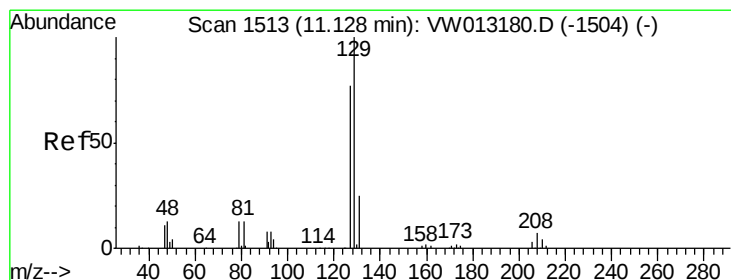
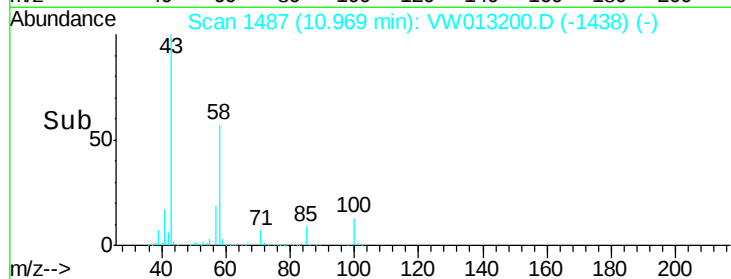
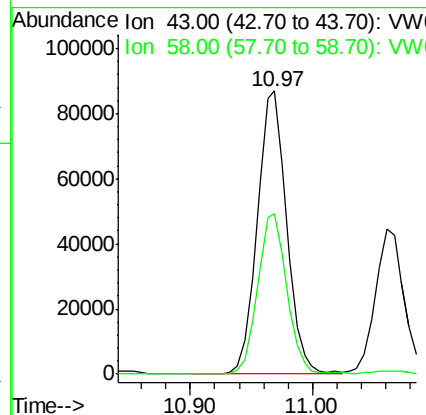
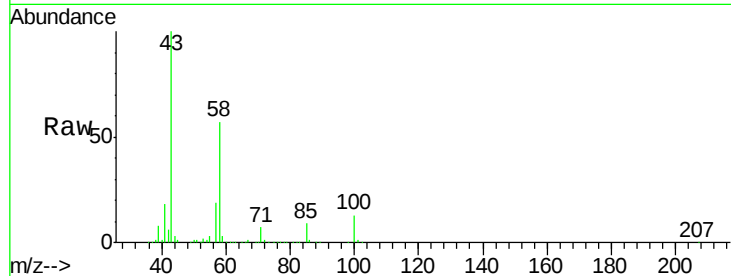




#59
2-Hexanone
Concen: 100.425 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

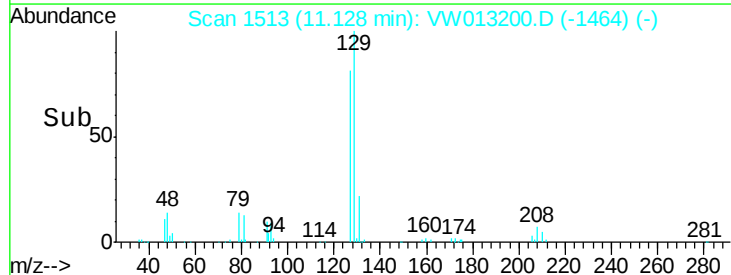
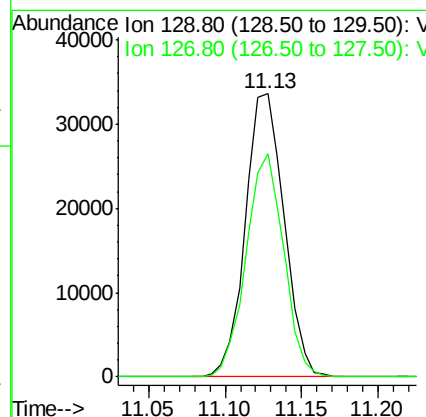
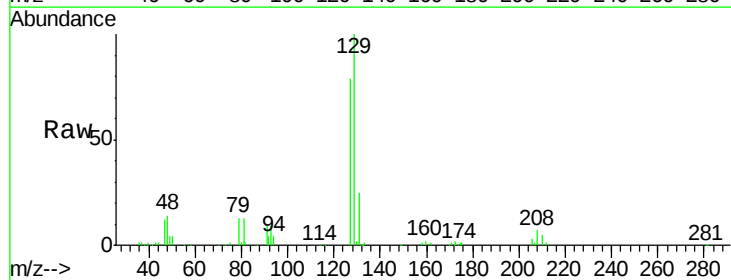
Instrument :
MSVOA_W
ClientSampled :

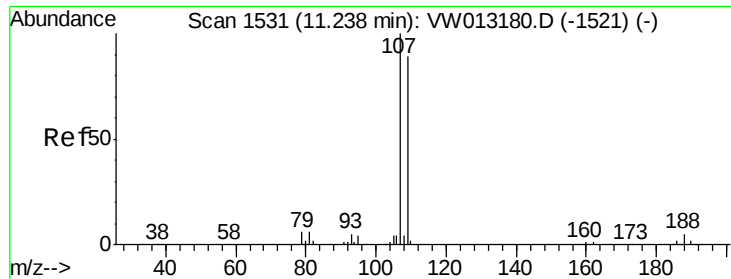
Tot Ion: 43 Resp: 145722
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.2



#60
Dibromochloromethane
Concen: 20.433 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 129 Resp: 59216
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.232 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

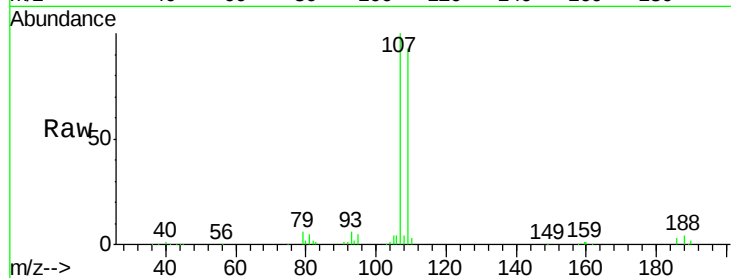
ClientSampleId :

Tot Ion:107 Resp: 51523

Ion Ratio Lower Upper

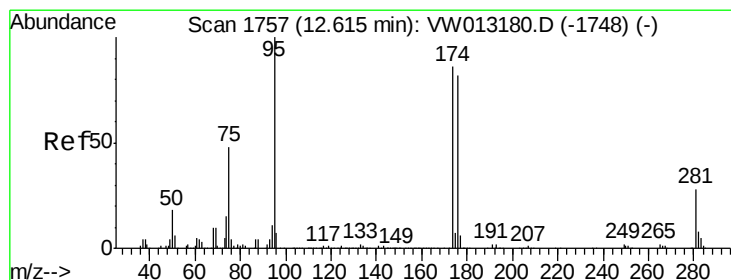
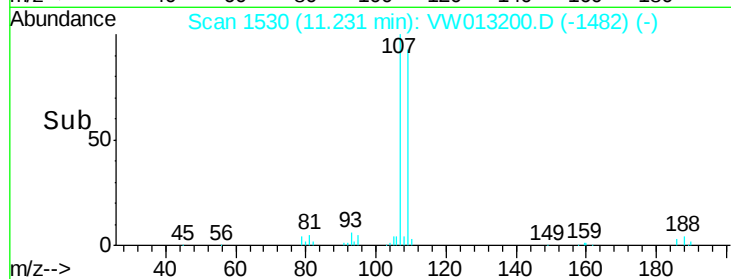
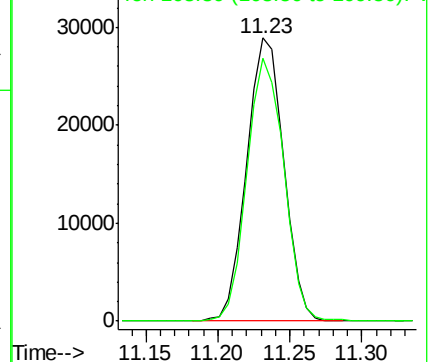
107 100

109 92.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.877 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

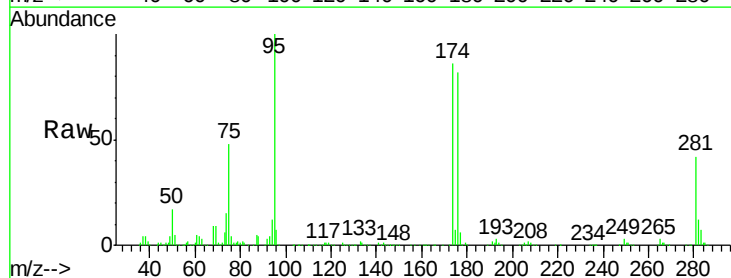
Tgt Ion: 95 Resp: 204934

Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.4

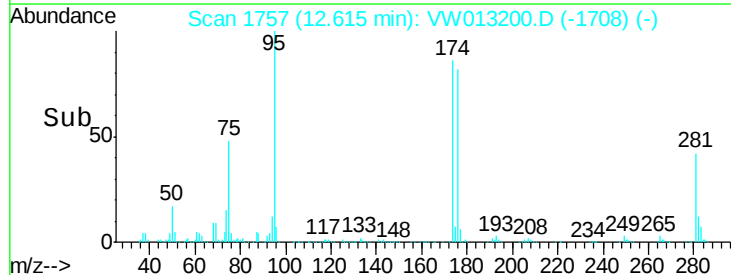
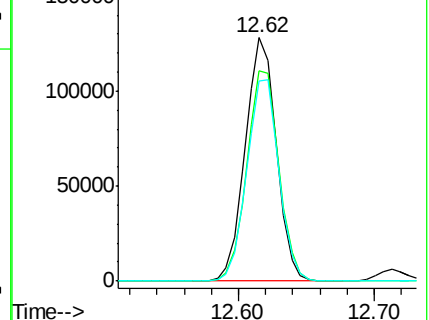
176 85.5 0.0 172.2

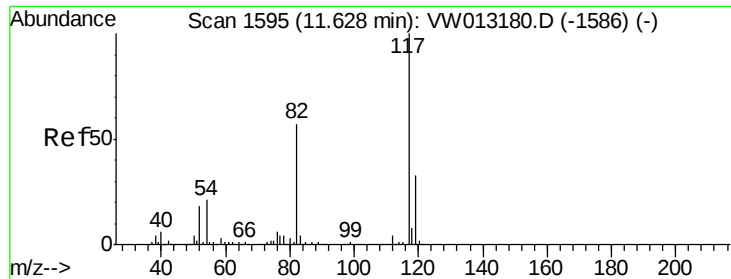


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

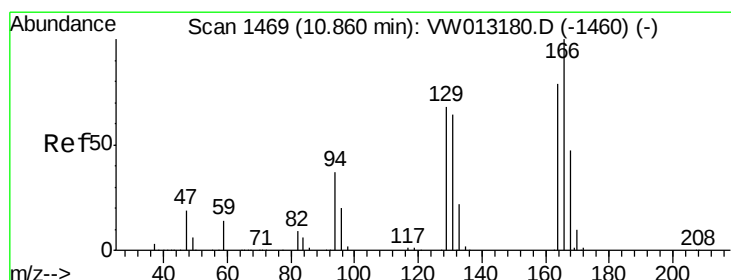
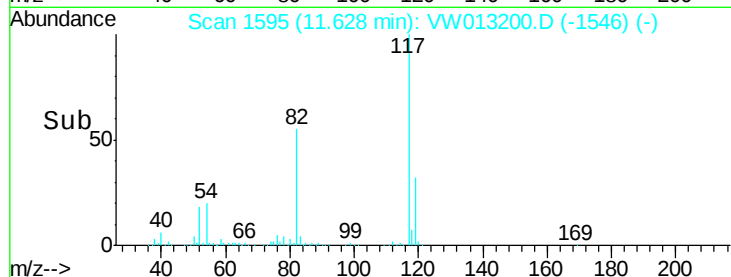
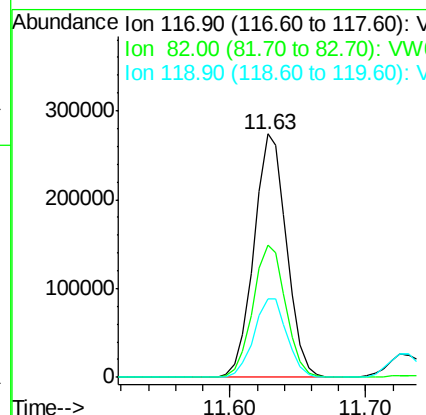
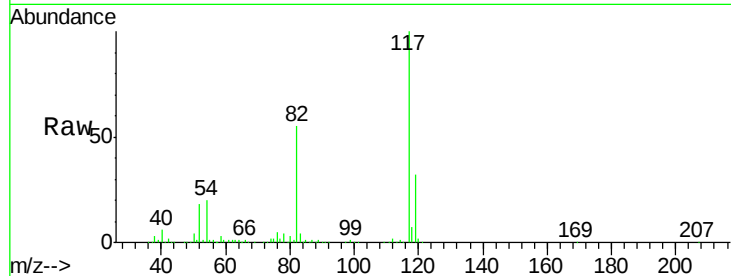




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

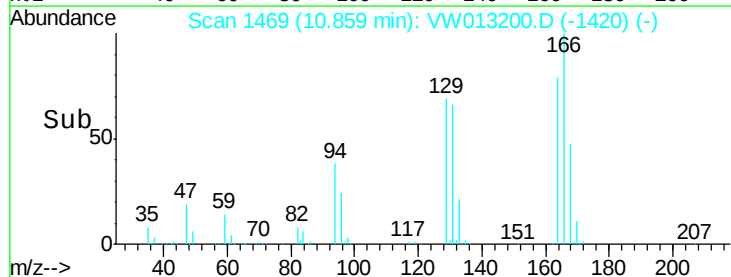
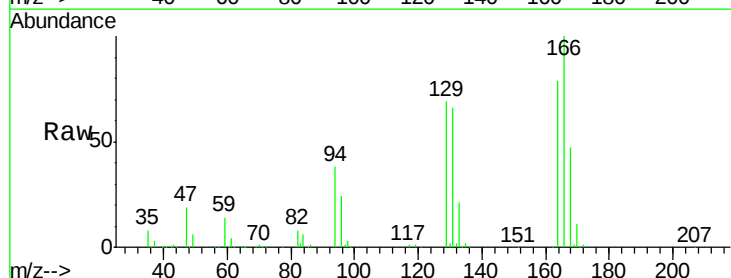
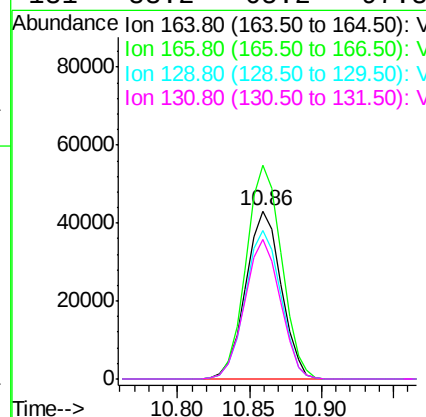
Instrument :
MSVOA_W
ClientSampleId :

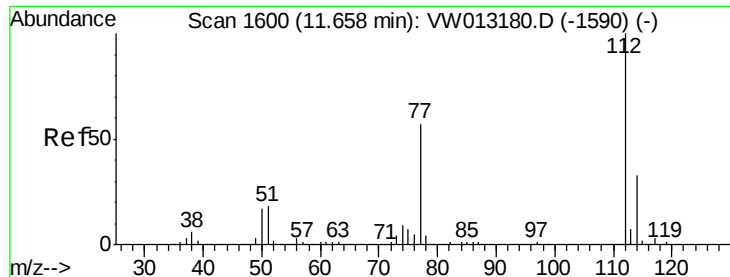
Tot Ion:117 Resp: 459878
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 32.4 26.2 39.2



#64
Tetrachloroethene
Concen: 21.064 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:164 Resp: 73497
Ion Ratio Lower Upper
164 100
166 126.9 101.2 151.8
129 88.0 68.8 103.2
131 83.2 65.2 97.8

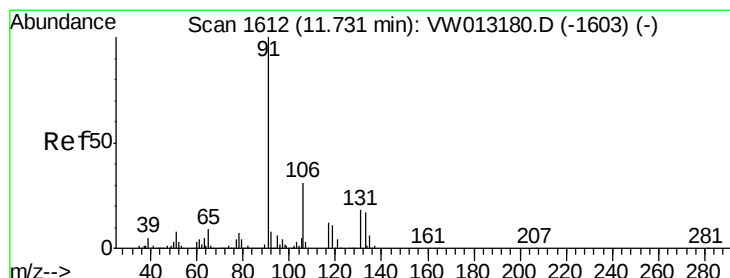
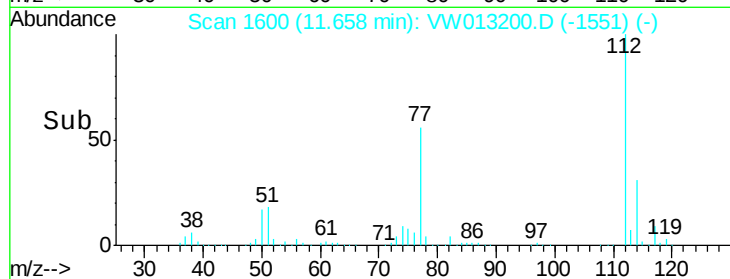
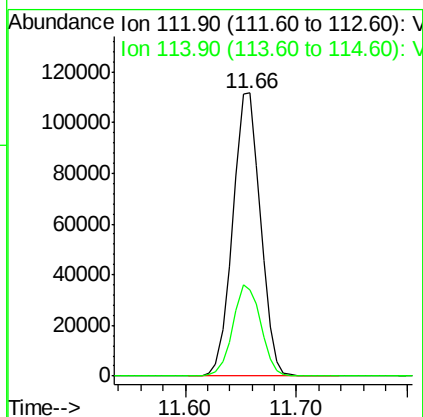
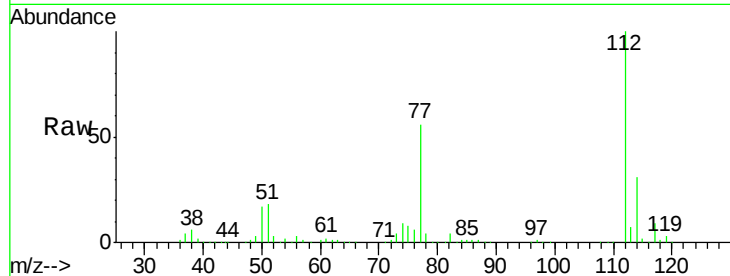




#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

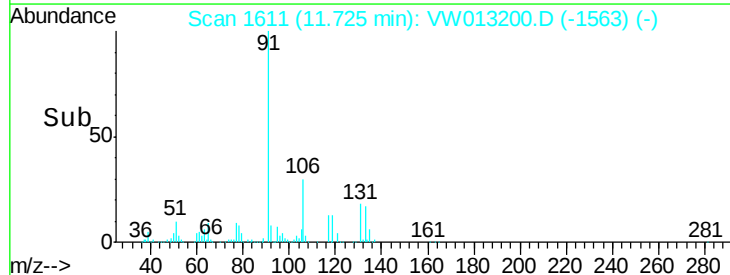
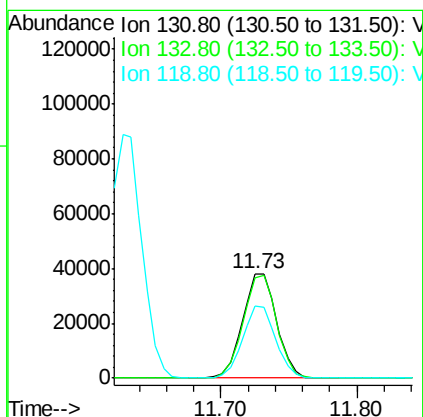
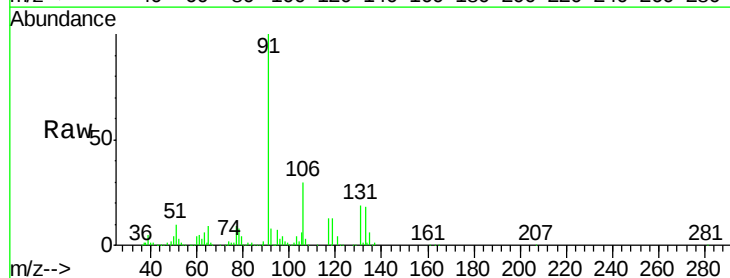
Instrument :
MSVOA_W
ClientSampleId :

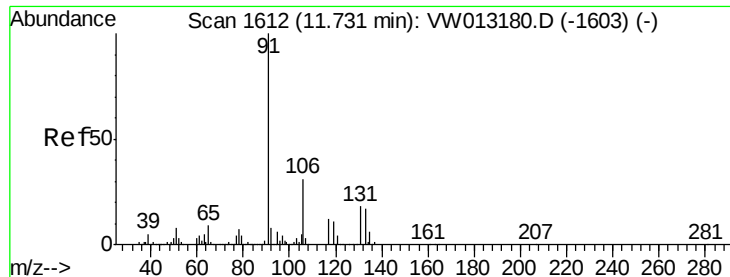
Tot Ion:112 Resp: 192435
Ion Ratio Lower Upper
112 100
114 30.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:131 Resp: 66821
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.6
119 67.0 32.5 97.5

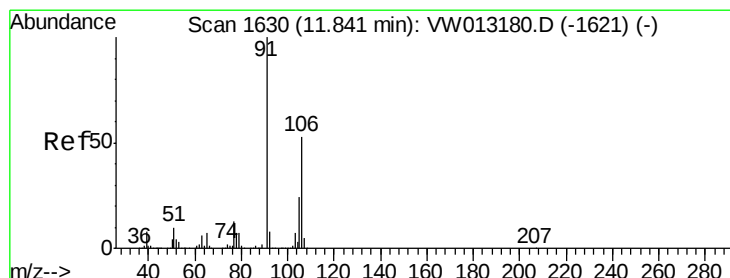
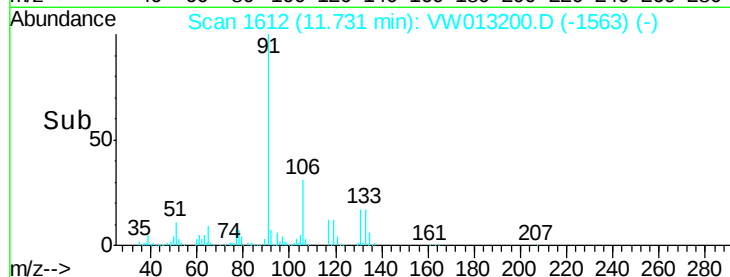
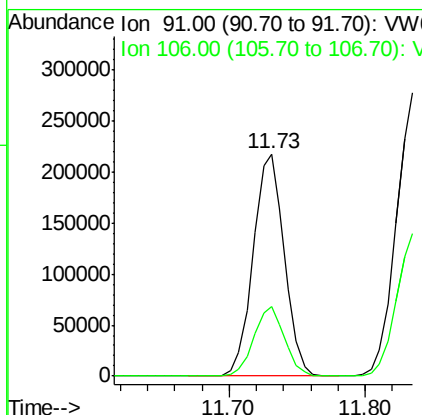
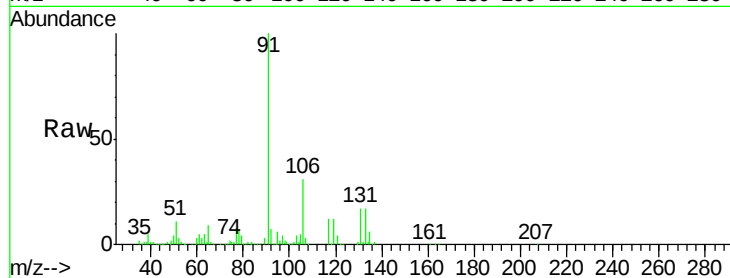




#67
Ethyl Benzene
Concen: 20.090 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

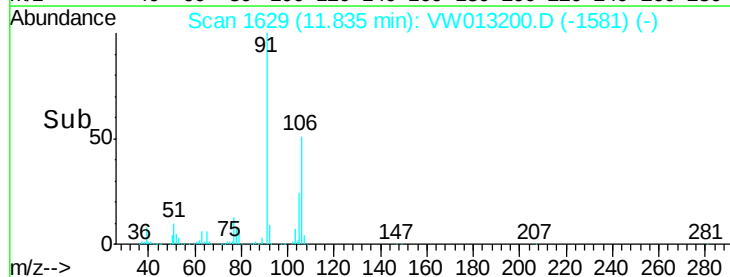
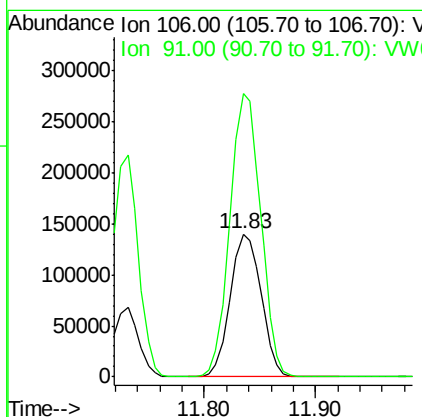
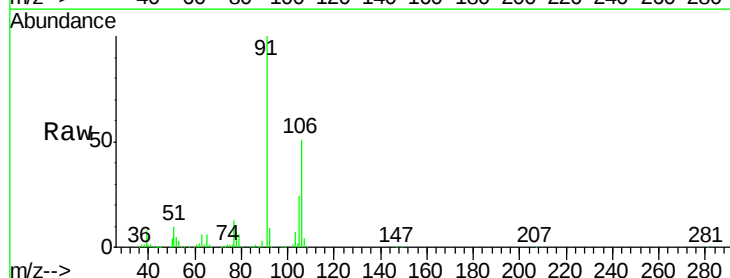
Instrument :
MSVOA_W
ClientSampled :

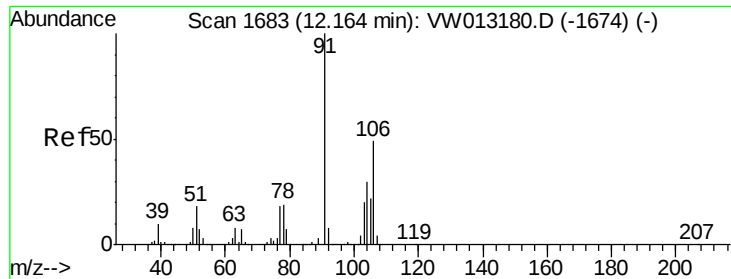
Tot Ion: 91 Resp: 349565
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 40.548 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 106 Resp: 268853
Ion Ratio Lower Upper
106 100
91 197.9 157.9 236.9

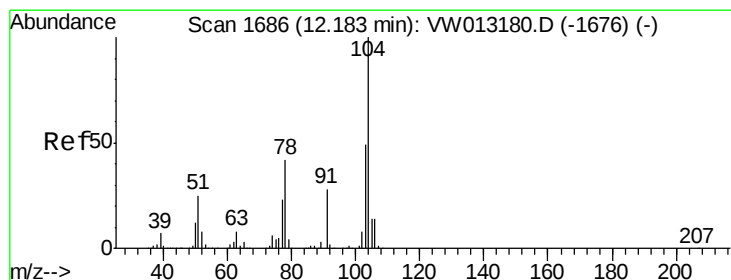
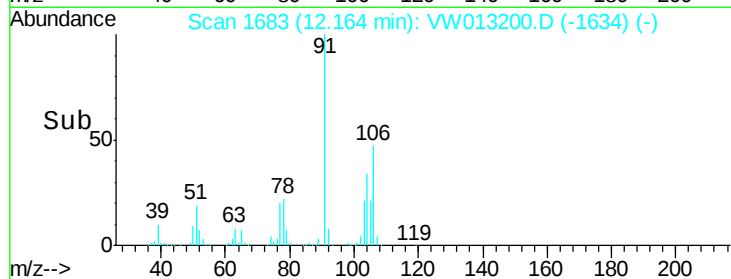
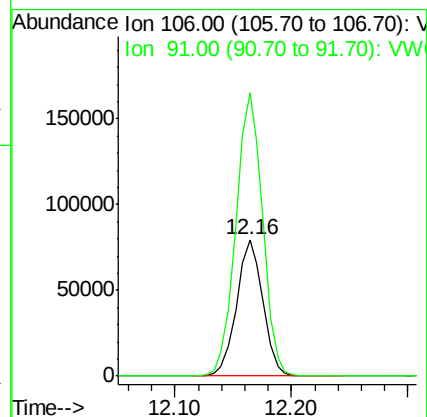
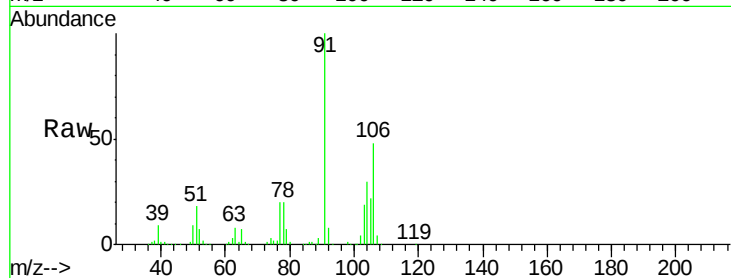




#69
o-Xylene
Concen: 20.178 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

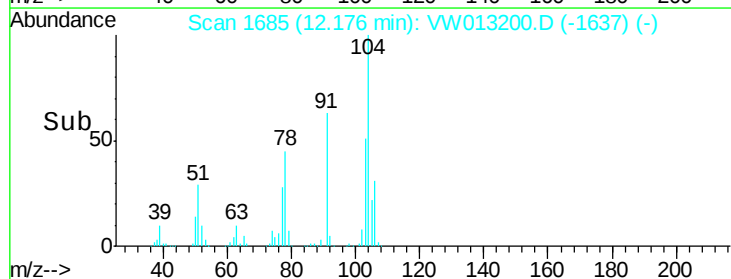
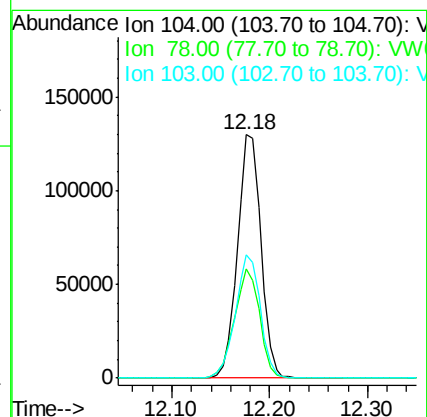
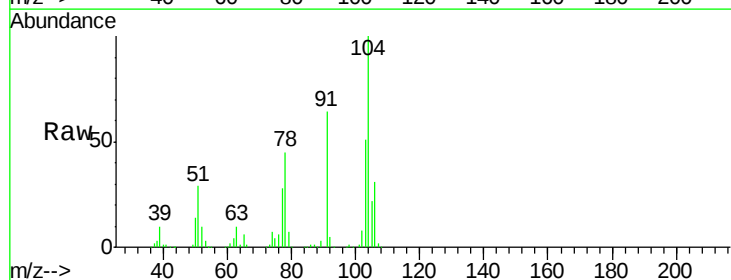
Instrument :
MSVOA_W
ClientSampleId :

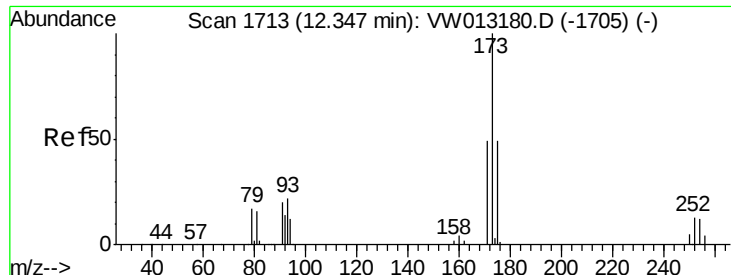
Tot Ion:106 Resp: 124390
Ion Ratio Lower Upper
106 100
91 211.3 106.5 319.5



#70
Styrene
Concen: 20.462 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:104 Resp: 216555
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 53.8 43.3 64.9





#71

Bromoform

Concen: 20.444 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

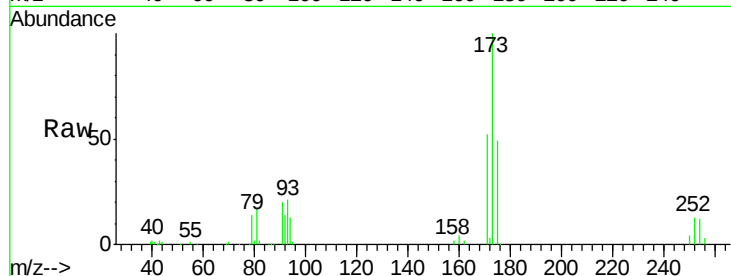
Tot Ion:173 Resp: 35435

Ion Ratio Lower Upper

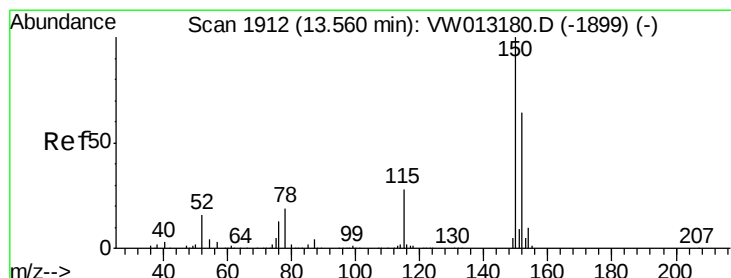
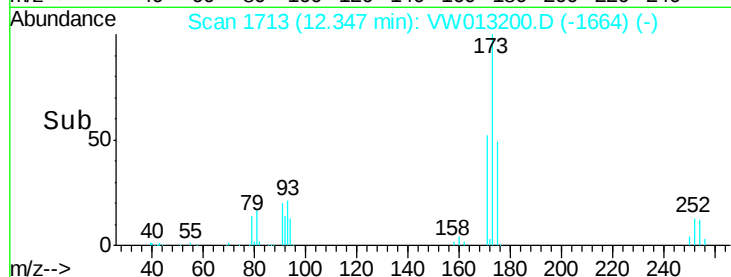
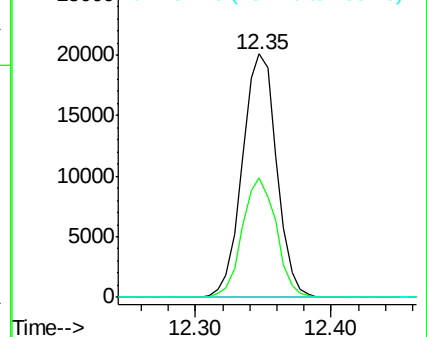
173 100

175 48.2 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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

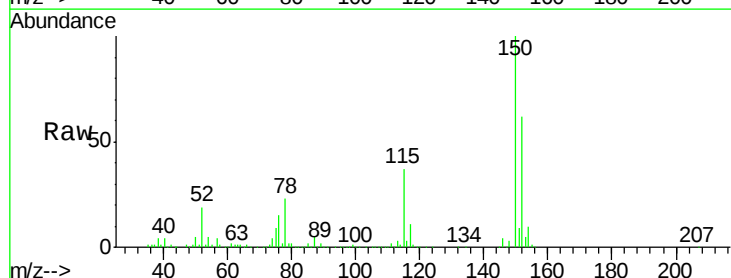
Tgt Ion:152 Resp: 233371

Ion Ratio Lower Upper

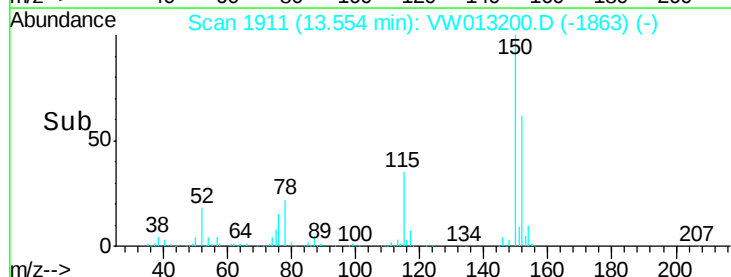
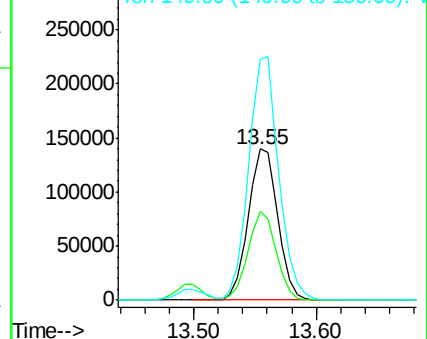
152 100

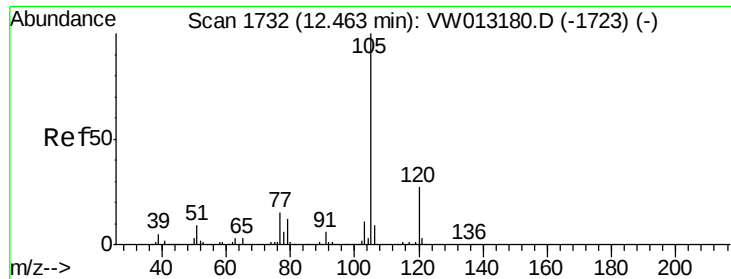
115 55.9 27.3 81.9

150 164.9 0.0 349.0



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

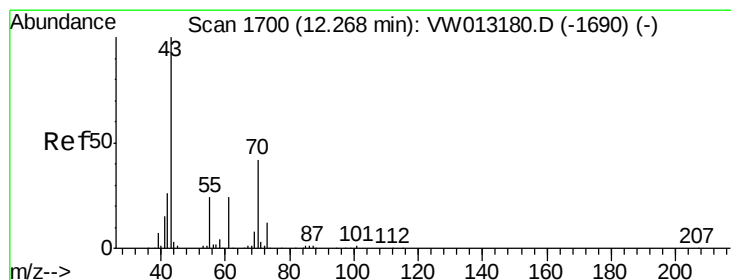
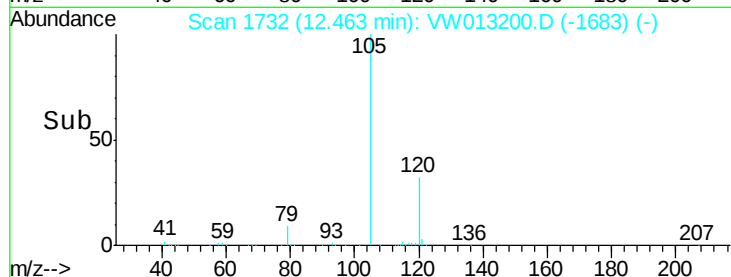
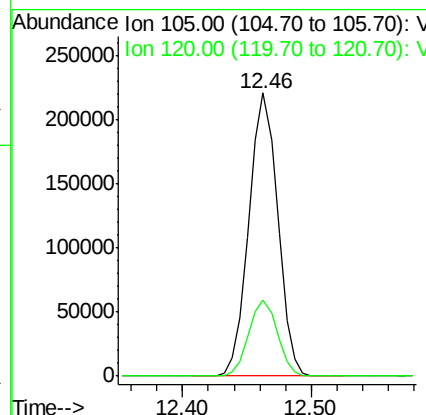
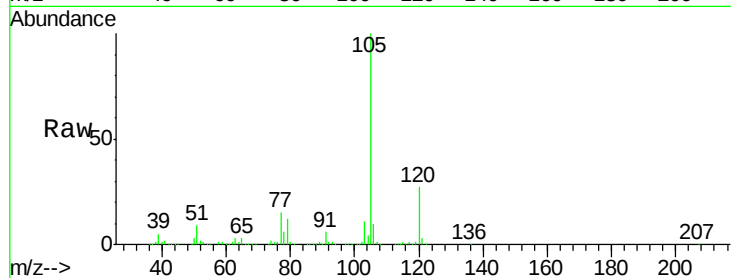




#73
Isopropylbenzene
Concen: 19.790 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

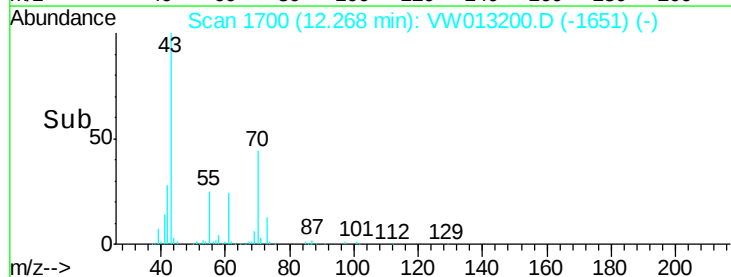
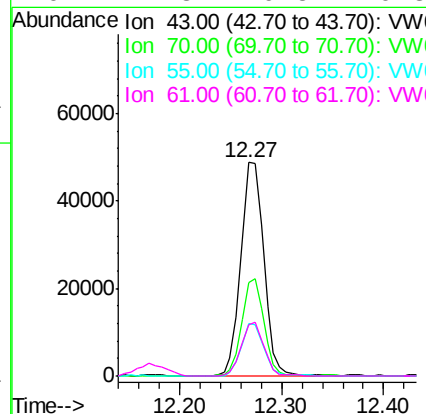
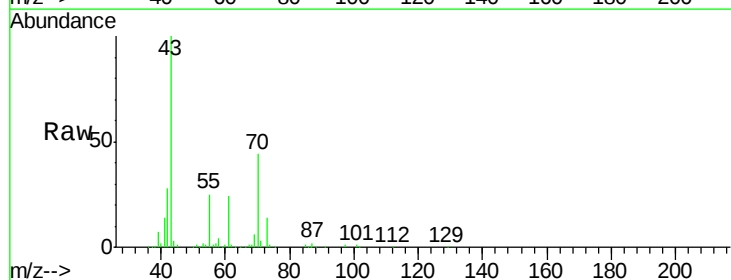
Instrument :
MSVOA_W
ClientSampleId :

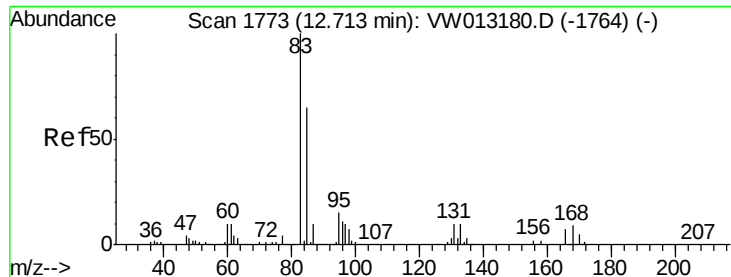
Tot Ion:105 Resp: 341162
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1



#74
N-ethyl acetate
Concen: 19.944 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 43 Resp: 76295
Ion Ratio Lower Upper
43 100
70 43.7 35.1 52.7
55 24.8 19.9 29.9
61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.747 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

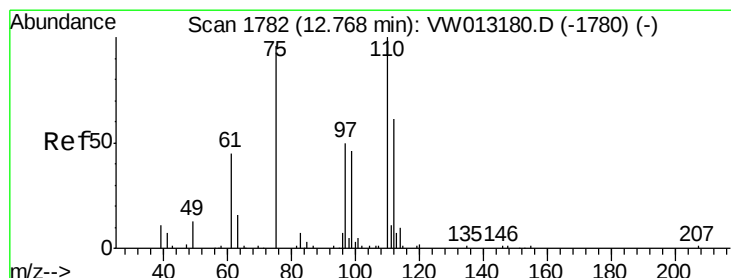
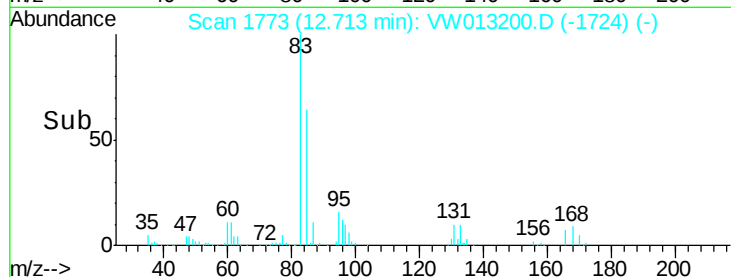
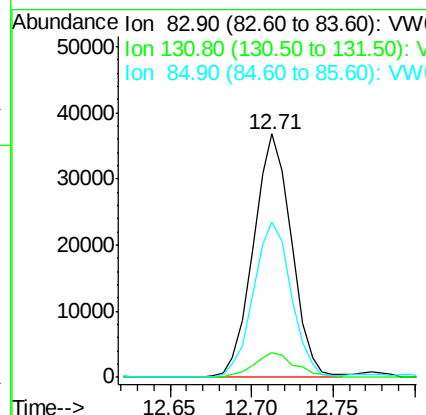
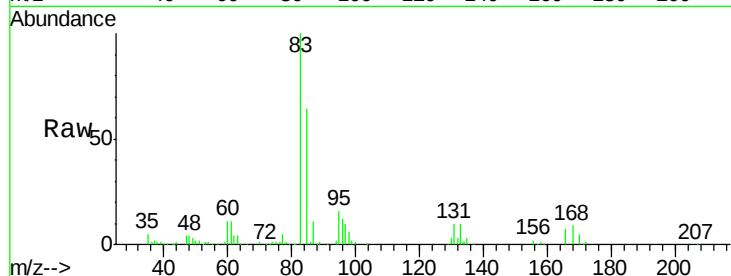
Tot Ion: 83 Resp: 59817

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.4	16.2
85	63.6	31.9	95.9

83 100

131 11.2 5.4 16.2

85 63.6 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 36.395 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013200.D

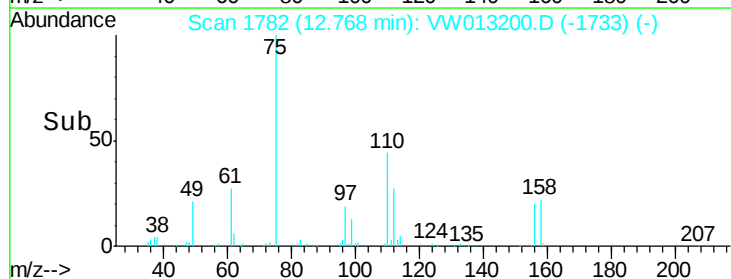
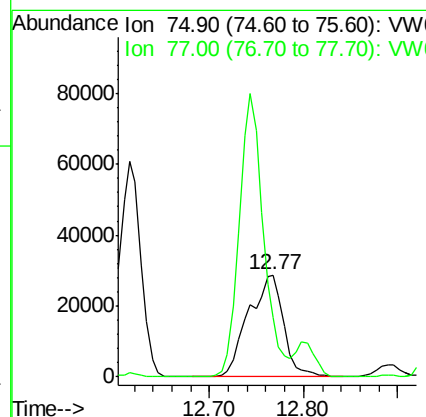
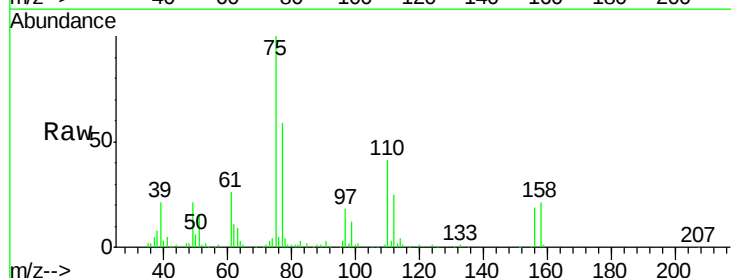
Acq: 20 Sep 2019 23:36

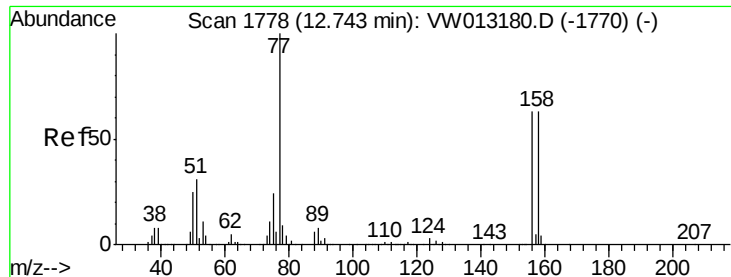
Tgt Ion: 75 Resp: 75009

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.295 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

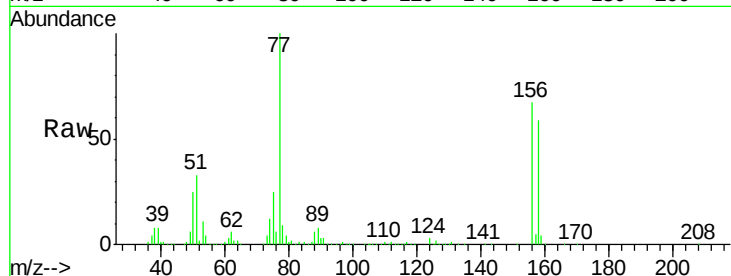
Tot Ion:156 Resp: 82909

Ion Ratio Lower Upper

156 100

77 174.4 85.7 257.1

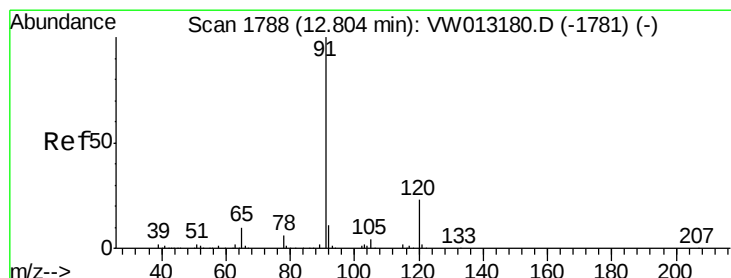
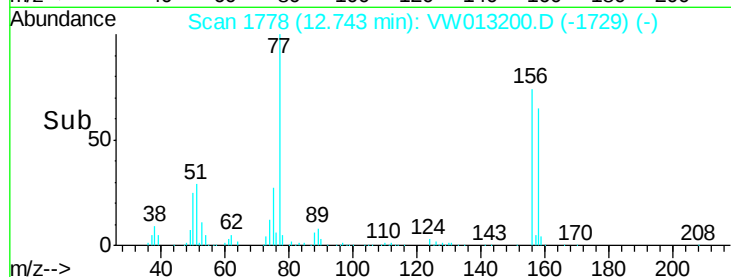
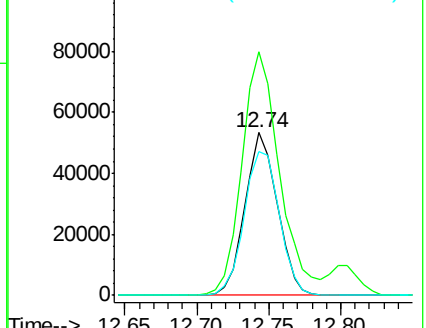
158 95.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.671 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013200.D

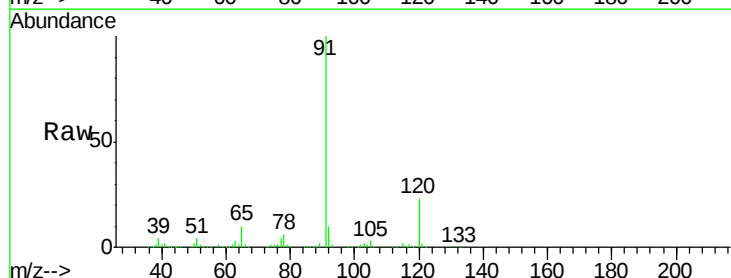
Acq: 20 Sep 2019 23:36

Tgt Ion: 91 Resp: 396942

Ion Ratio Lower Upper

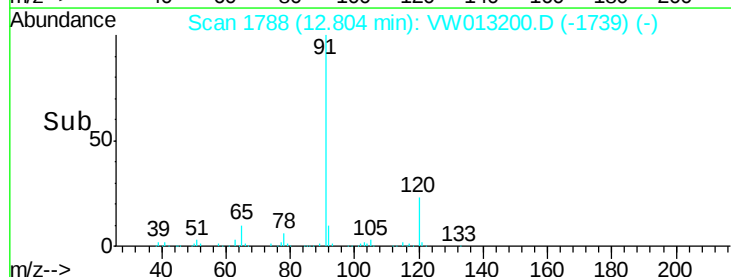
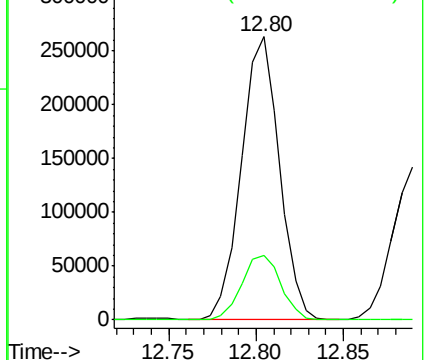
91 100

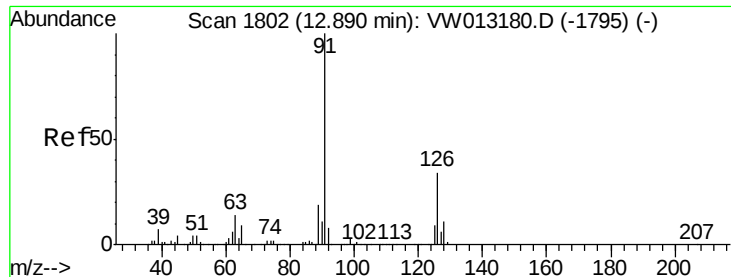
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.260 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

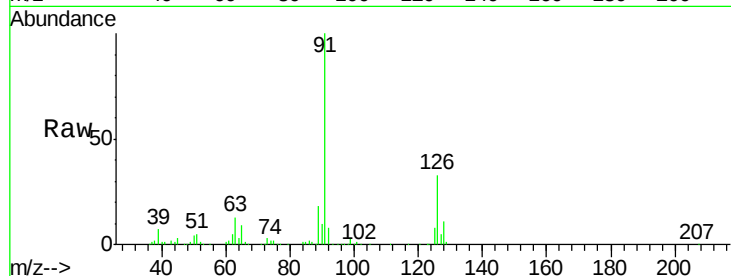
ClientSampled :

Tot Ion: 91 Resp: 229042

Ion Ratio Lower Upper

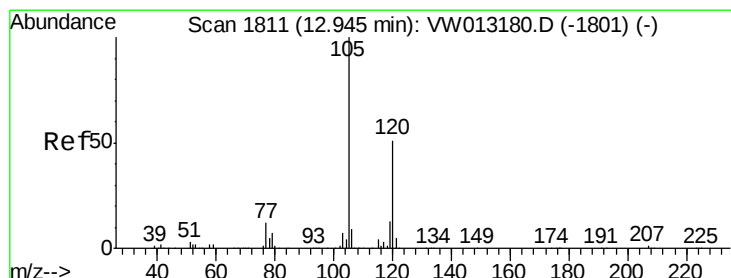
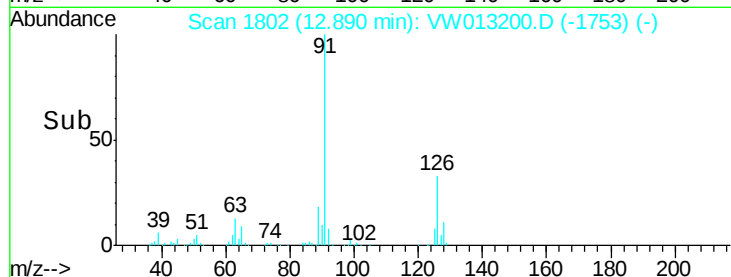
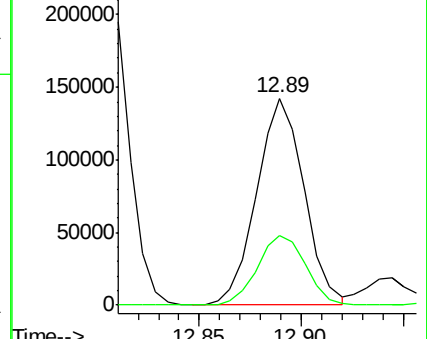
91 100

126 34.6 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.040 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013200.D

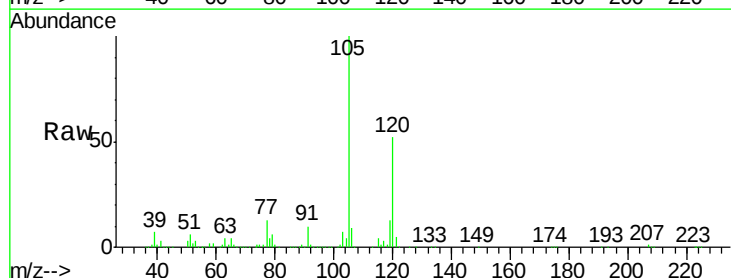
Acq: 20 Sep 2019 23:36

Tgt Ion:105 Resp: 290411

Ion Ratio Lower Upper

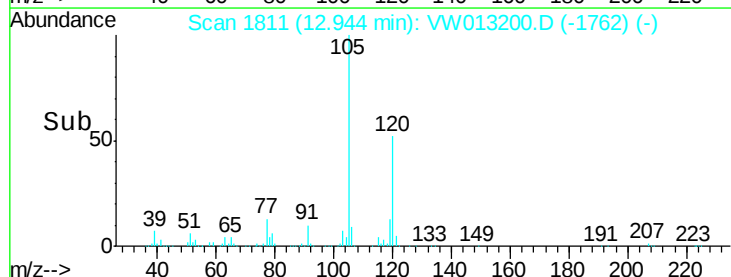
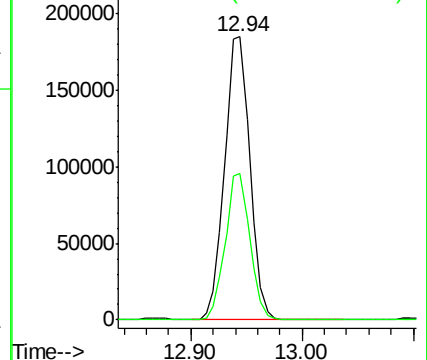
105 100

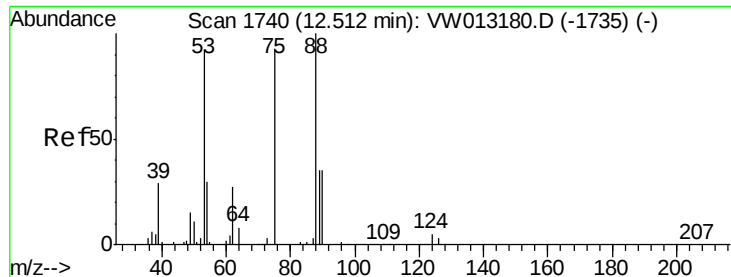
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.792 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

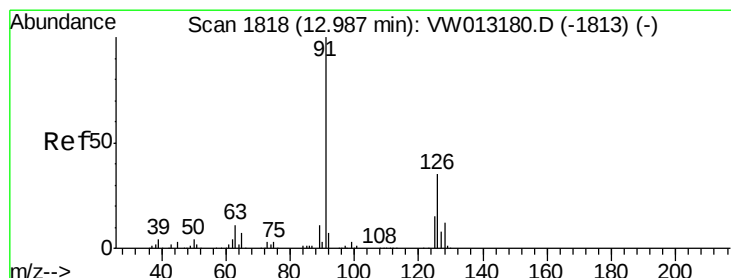
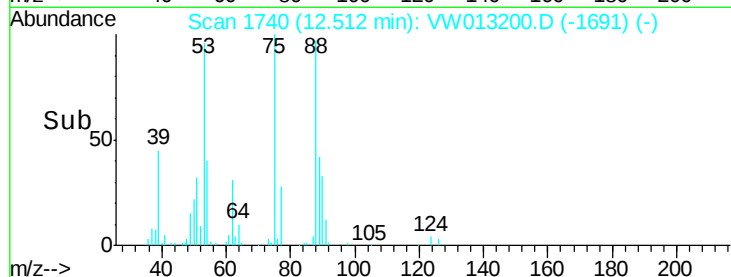
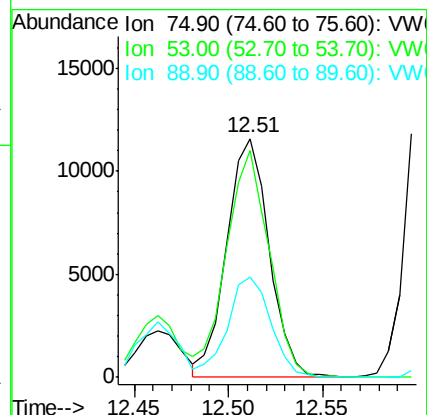
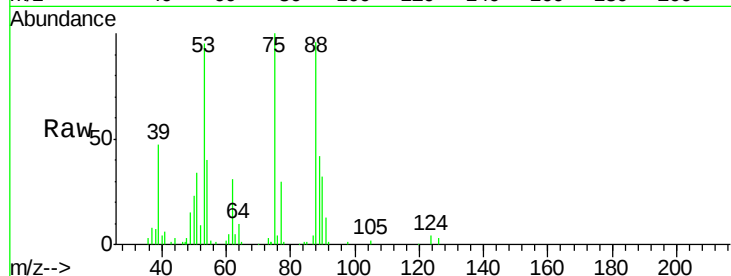
Tot Ion: 75 Resp: 18178

Ion Ratio Lower Upper

75 100

53 95.6 76.6 114.8

89 42.7 33.5 50.3



#82

4-Chlorotoluene

Concen: 19.855 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013200.D

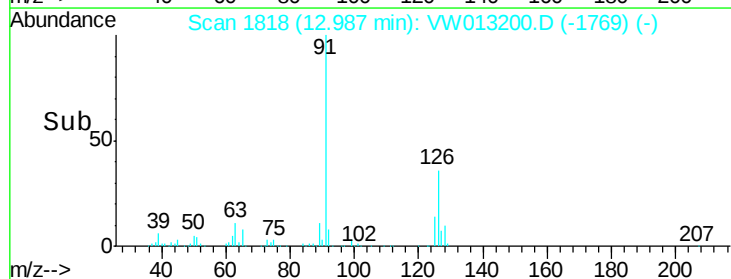
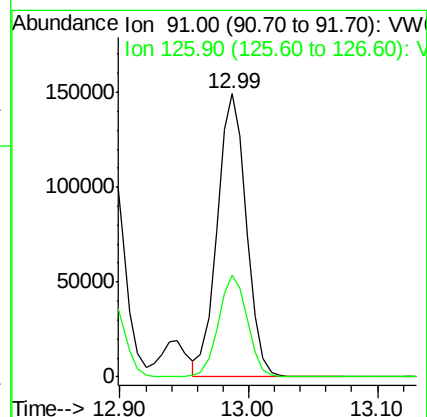
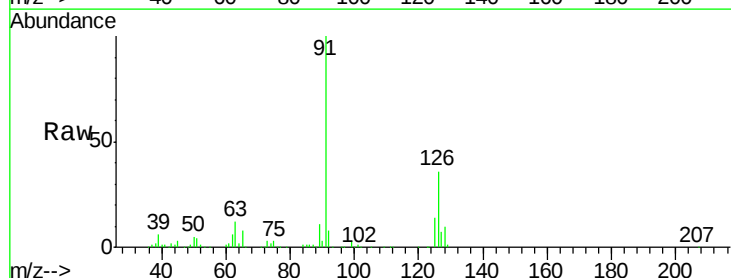
Acq: 20 Sep 2019 23:36

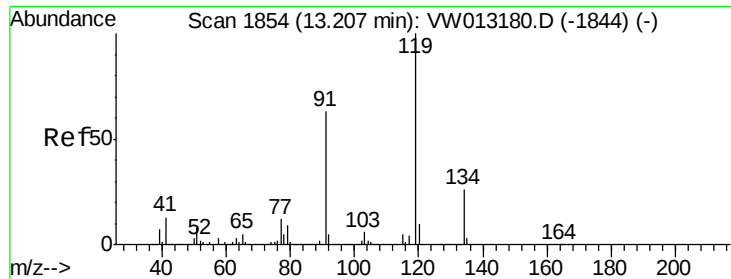
Tgt Ion: 91 Resp: 236709

Ion Ratio Lower Upper

91 100

126 35.7 17.3 51.7

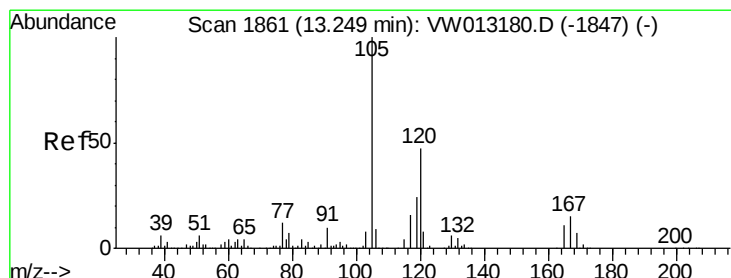
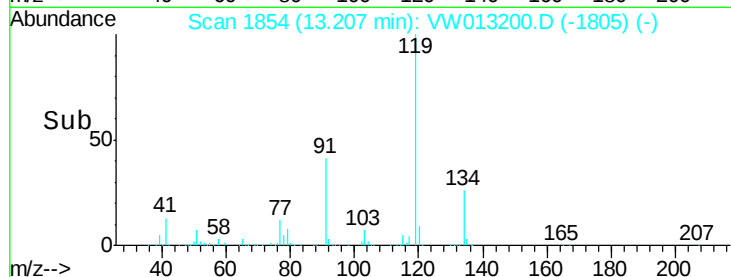
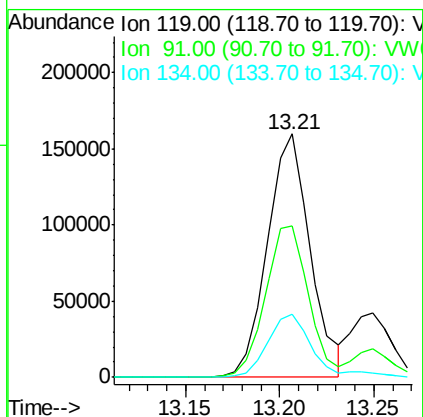
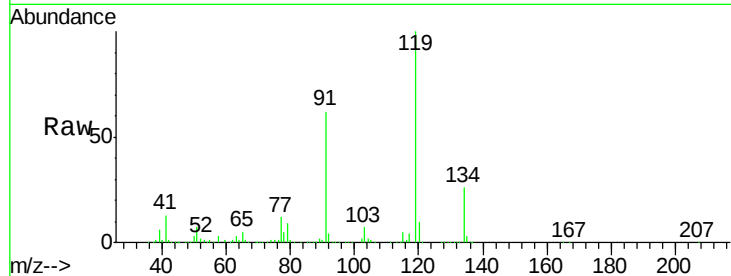




#83
tert-Butylbenzene
Concen: 19.824 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

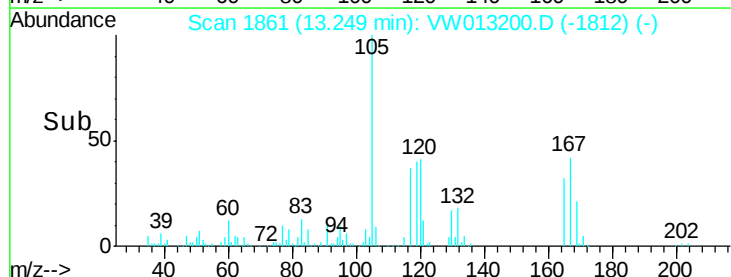
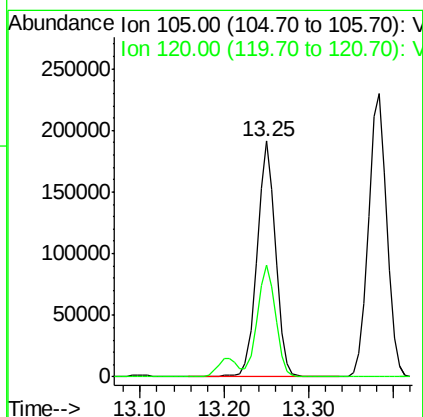
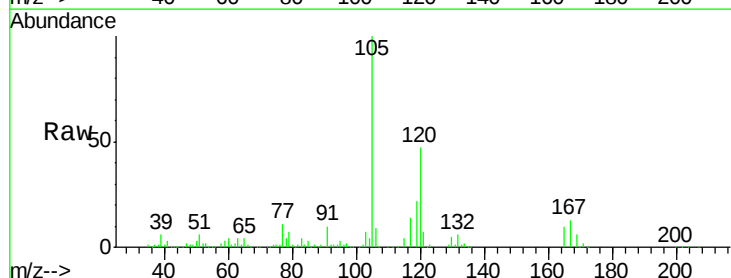
Instrument :
MSVOA_W
ClientSampleId :

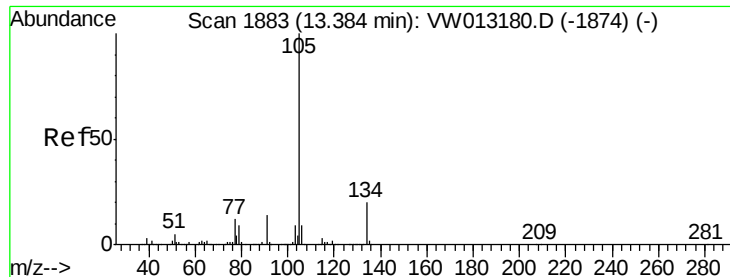
Tot Ion:119 Resp: 252144
Ion Ratio Lower Upper
119 100
91 62.5 30.7 92.1
134 27.5 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 19.959 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:105 Resp: 287810
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.780 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

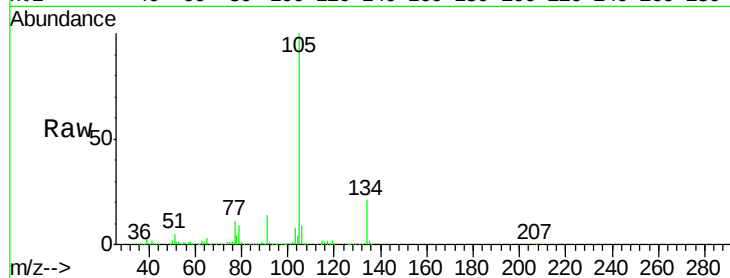
ClientSampled :

Tot Ion:105 Resp: 346866

Ion Ratio Lower Upper

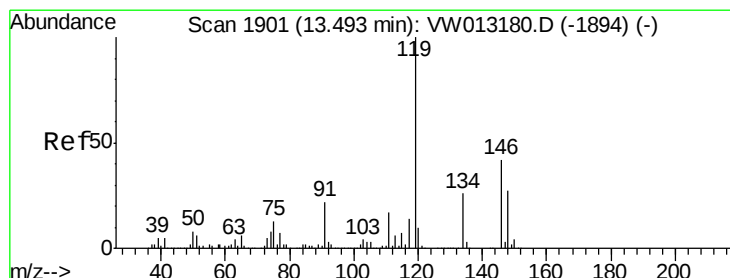
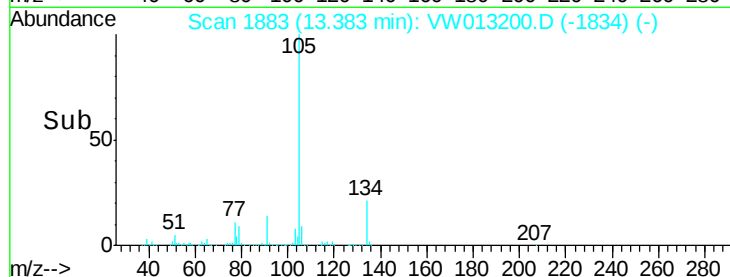
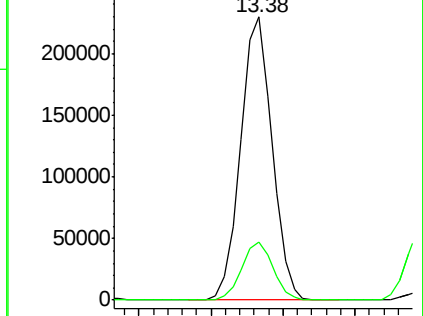
105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.794 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

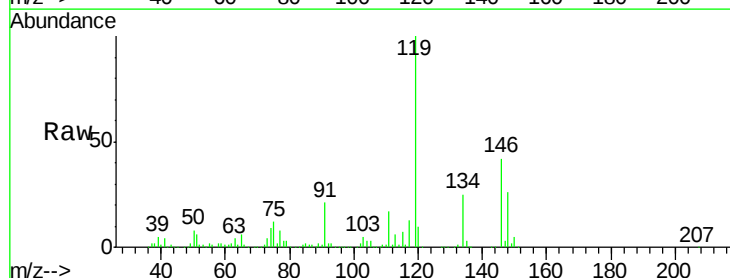
Tgt Ion:119 Resp: 321951

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

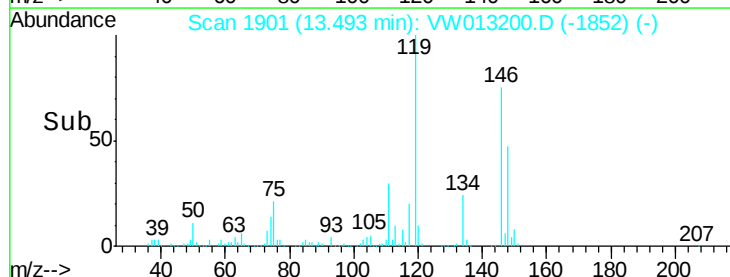
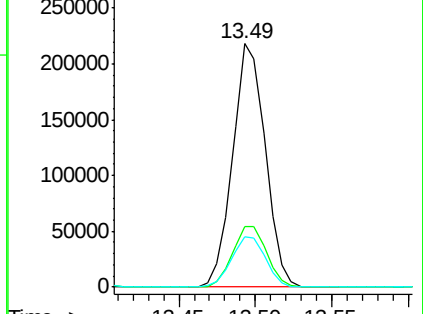
91 21.9 10.8 32.4

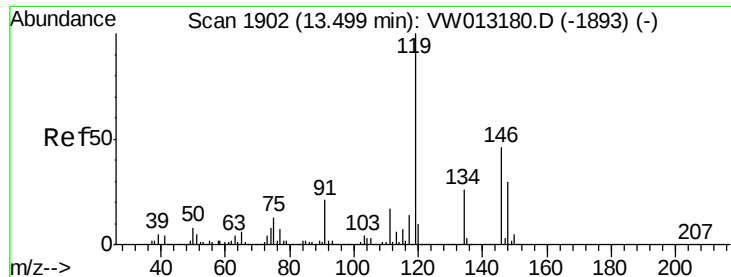


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

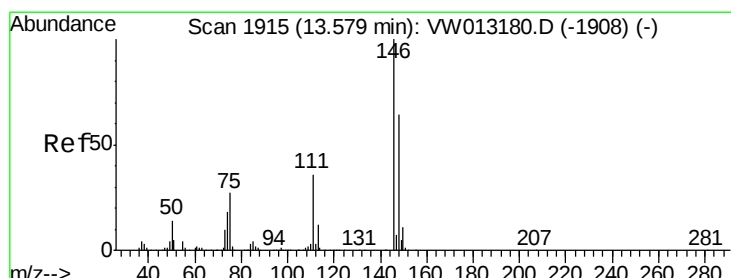
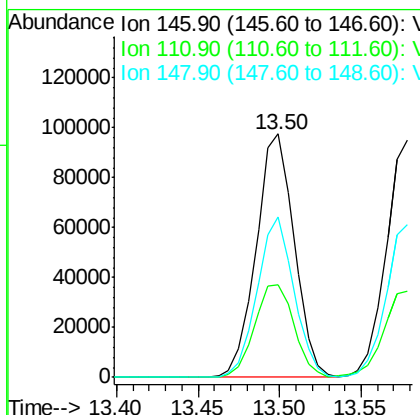
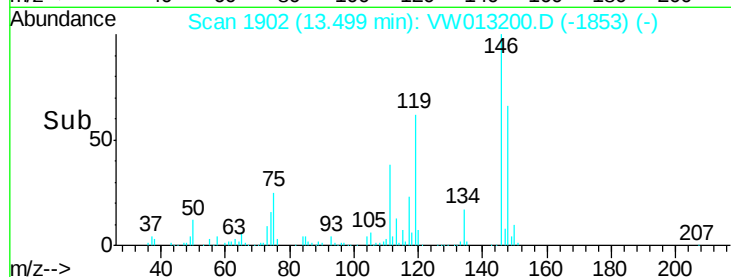
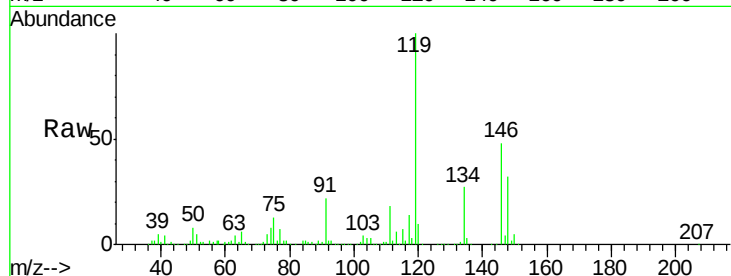




#87
 1,3-Dichlorobenzene
 Concen: 20.052 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

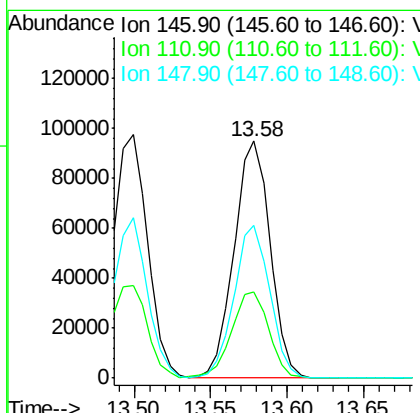
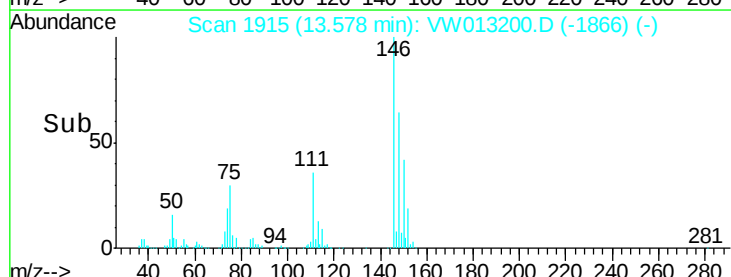
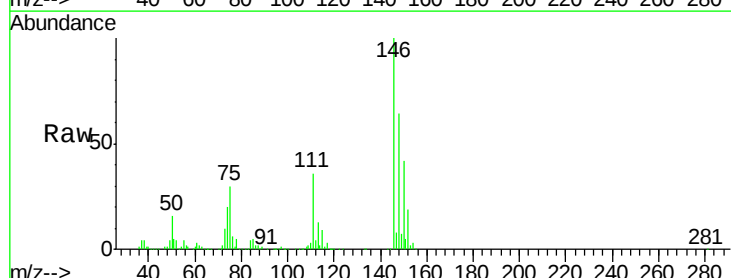
Instrument :
 MSVOA_W
 ClientSampleId :

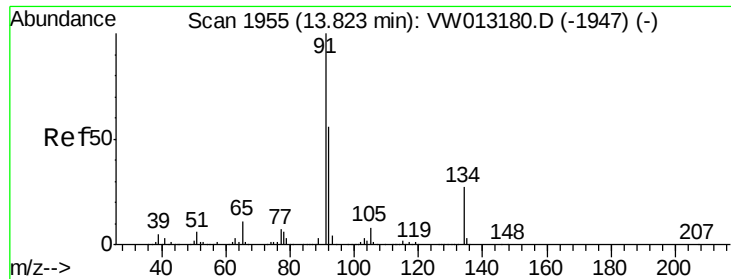
Tot Ion:146 Resp: 157653
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.9 56.9
 148 63.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.125 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion:146 Resp: 155184
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.4 55.0
 148 64.0 32.1 96.3





#89

n-Butylbenzene

Concen: 19.445 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampled :

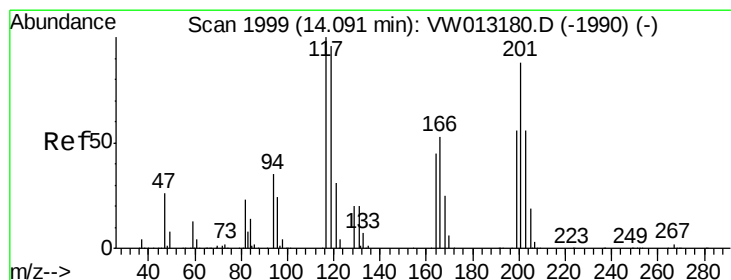
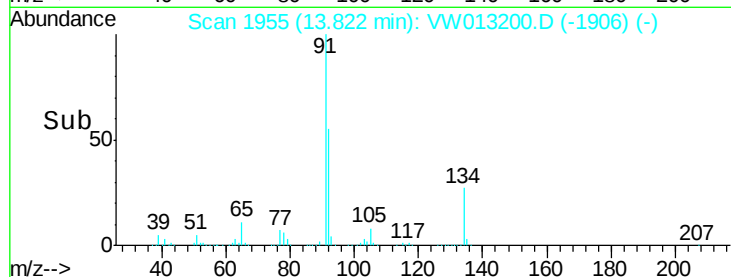
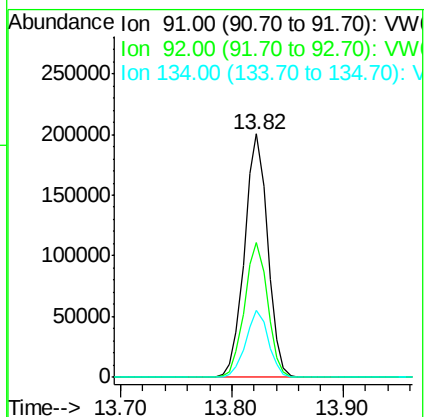
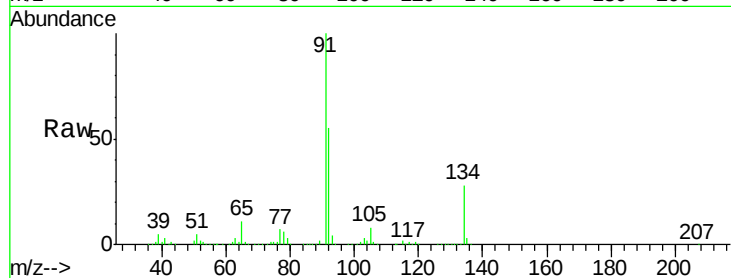
Tot Ion: 91 Resp: 288783

Ion Ratio Lower Upper

91 100

92 55.4 27.6 82.8

134 27.1 13.7 41.1



#90

Hexachloroethane

Concen: 19.280 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013200.D

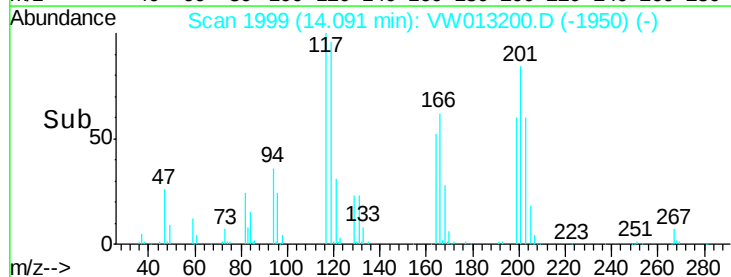
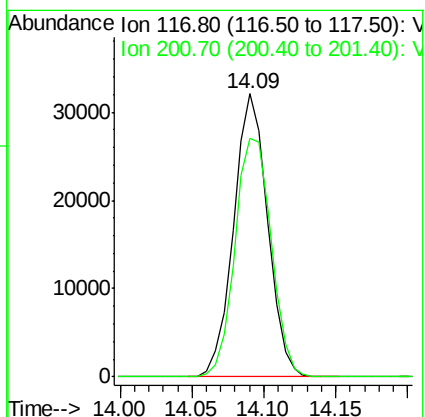
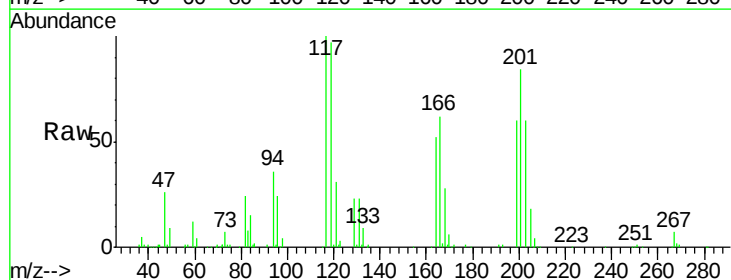
Acq: 20 Sep 2019 23:36

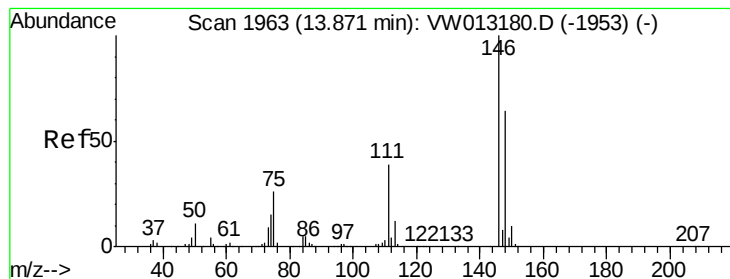
Tgt Ion: 117 Resp: 52679

Ion Ratio Lower Upper

117 100

201 89.8 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 20.479 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

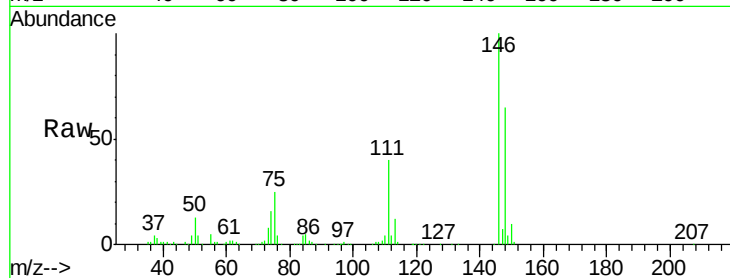
Tot Ion:146 Resp: 139297

Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.3

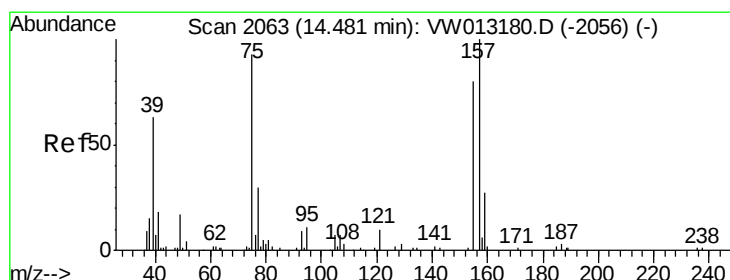
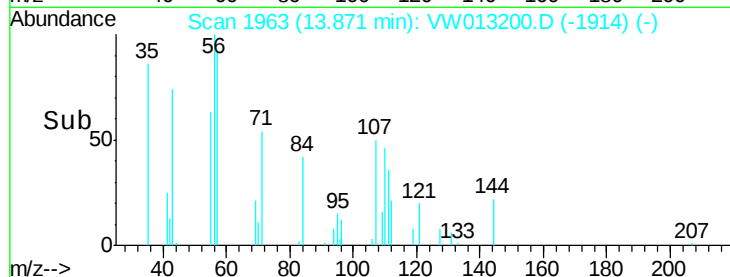
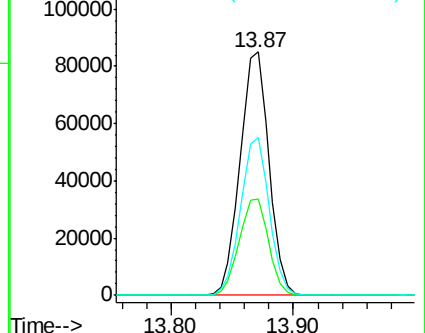
148 64.4 32.0 96.0



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: 19.966 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

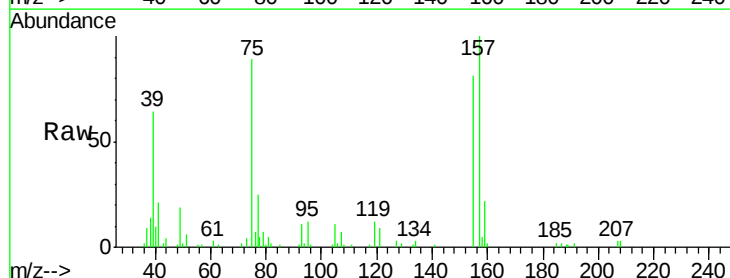
Tgt Ion: 75 Resp: 8805

Ion Ratio Lower Upper

75 100

155 98.2 46.1 138.3

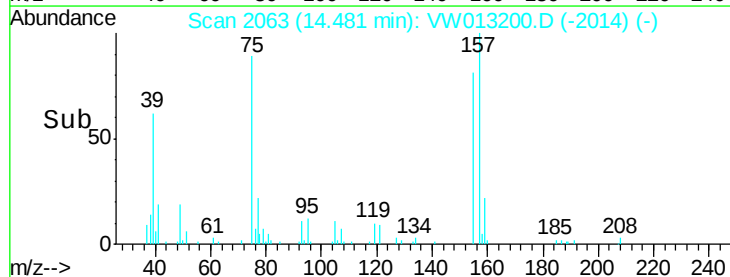
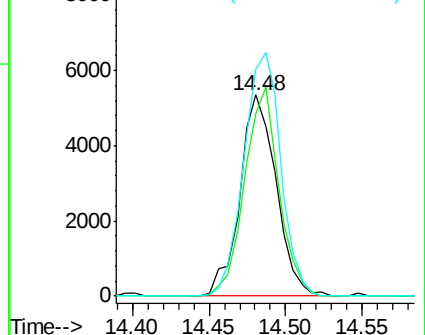
157 123.6 60.4 181.2

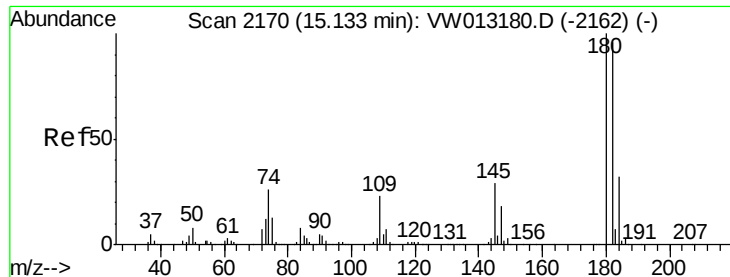


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

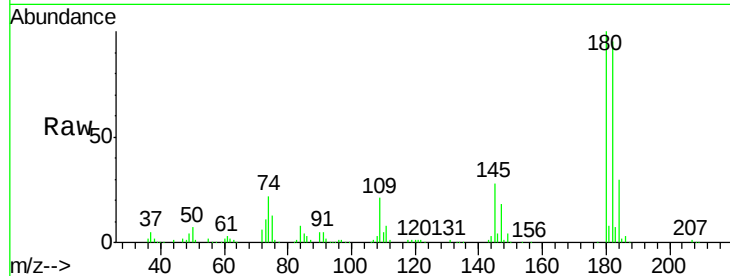




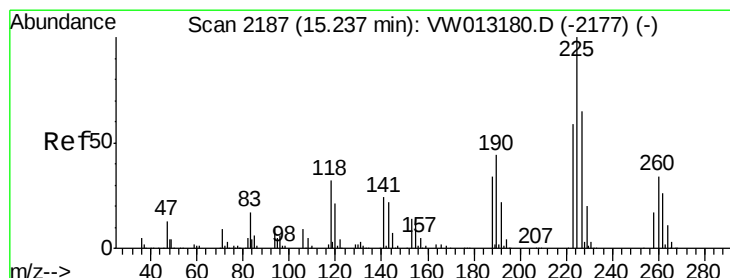
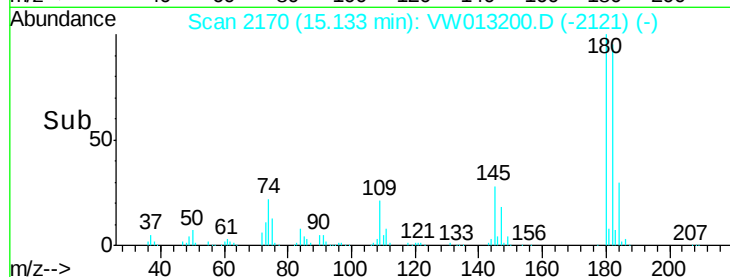
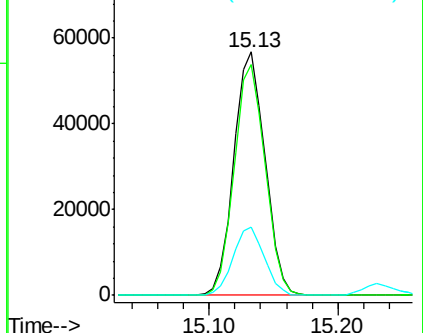
#93
1,2,4-Trichlorobenzene
Concen: 19.610 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:180 Resp: 95582
Ion Ratio Lower Upper
180 100
182 94.2 47.3 142.0
145 28.0 14.2 42.8

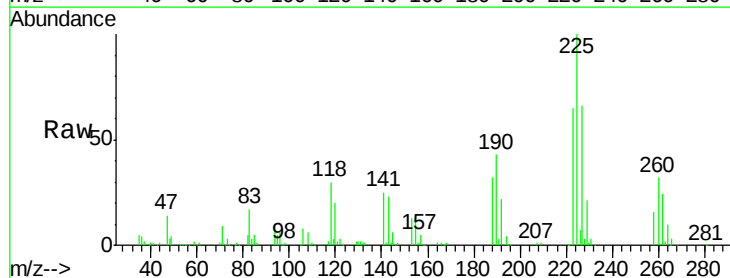


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

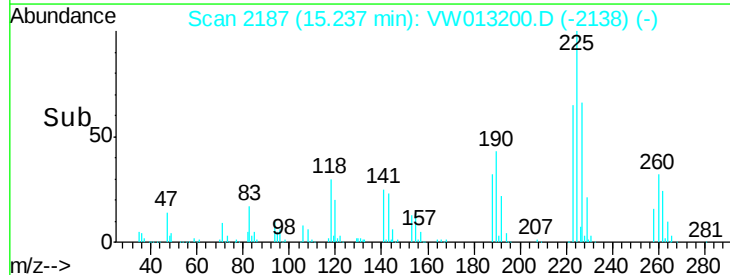
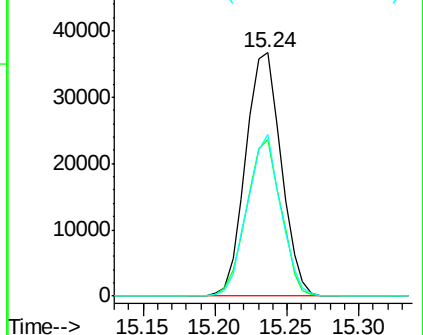


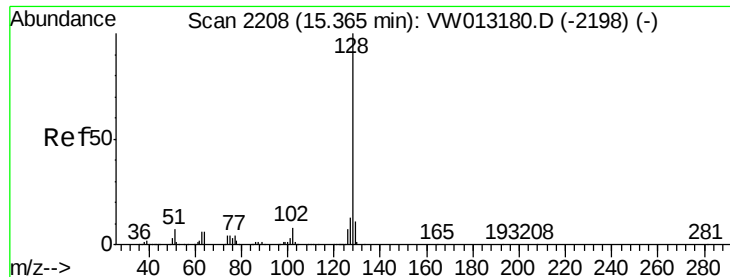
#94
Hexachlorobutadiene
Concen: 18.789 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:225 Resp: 62654
Ion Ratio Lower Upper
225 100
223 62.7 30.6 91.8
227 62.7 31.9 95.9



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

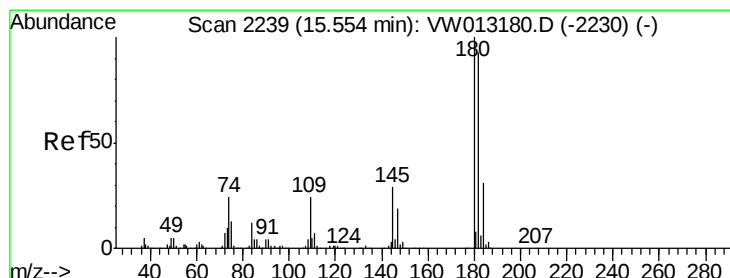
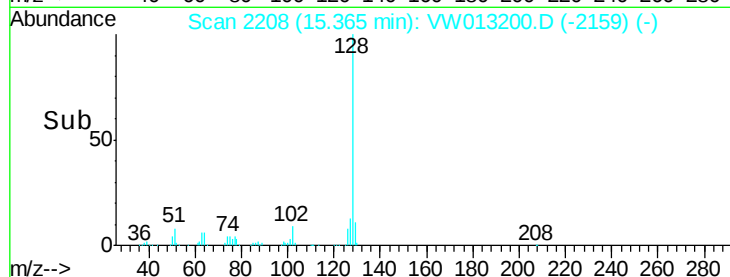
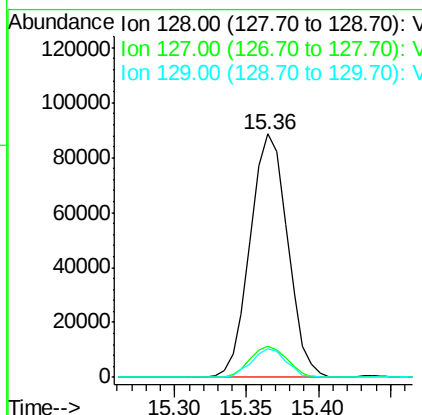
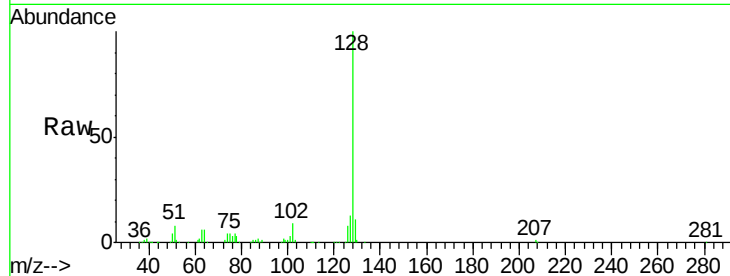




#95
Naphthalene
Concen: 20.002 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 159447
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.431 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion:180 Resp: 81834
Ion Ratio Lower Upper
180 100
182 97.2 47.9 143.7
145 30.9 15.0 45.0

