

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013289.D
 Acq On : 25 Sep 2019 10:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 25 17:19:20 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	383619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	235518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	152538	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.88	113	159571	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.32	98	658625	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.62	95	224269	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	92784	41.930	ug/l	96
3) Chloromethane	2.21	50	124698	43.837	ug/l	98
4) Vinyl Chloride	2.36	62	171621	46.799	ug/l	98
5) Bromomethane	2.78	94	107375	46.203	ug/l	93
6) Chloroethane	2.92	64	101609	47.006	ug/l	94
7) Trichlorofluoromethane	3.26	101	98324	46.498	ug/l	99
8) Diethyl Ether	3.68	74	81943	45.367	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	163567	47.511	ug/l	99
10) Methyl Iodide	4.27	142	257209	48.188	ug/l	100
11) Tert butyl alcohol	5.20	59	44419	194.854	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	172051	48.261	ug/l	100
13) Acrolein	3.89	56	36443	202.202	ug/l	98
14) Allyl chloride	4.67	41	280617	49.459	ug/l	98
15) Acrylonitrile	5.37	53	172570	221.358	ug/l	99
16) Acetone	4.13	43	165039	233.749	ug/l	96
17) Carbon Disulfide	4.38	76	497615	48.292	ug/l	100
18) Methyl Acetate	4.67	43	83177	41.909	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	252432	46.201	ug/l	99
20) Methylene Chloride	4.92	84	172822	47.729	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	187939	48.775	ug/l	98
22) Diisopropyl ether	6.31	45	516731	47.893	ug/l	98
23) Vinyl Acetate	6.25	43	1493556	233.342	ug/l	99
24) 1,1-Dichloroethane	6.21	63	311518	47.849	ug/l	98
25) 2-Butanone	7.17	43	226383	213.589	ug/l	95
26) 2,2-Dichloropropane	7.16	77	192078	49.259	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	193940	47.694	ug/l	99
28) Bromochloromethane	7.51	49	129258	51.729	ug/l	98
29) Tetrahydrofuran	7.53	42	138349	212.844	ug/l	99
30) Chloroform	7.67	83	295947	46.430	ug/l	97
31) Cyclohexane	7.96	56	311501	45.900	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	246038	47.659	ug/l	99
36) 1,1-Dichloropropene	8.08	75	259640	48.841	ug/l	98
37) Ethyl Acetate	7.25	43	95706	42.360	ug/l	98
38) Carbon Tetrachloride	8.07	117	229771	48.215	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	334871	49.017	ug/l	98
40) Benzene	8.32	78	714061	48.156	ug/l	100
41) Methacrylonitrile	7.48	41	58438	43.337	ug/l	96
42) 1,2-Dichloroethane	8.40	62	180548	45.294	ug/l	99
43) Isopropyl Acetate	8.42	43	189924	43.860	ug/l	99
44) Trichloroethene	9.09	130	198799	47.784	ug/l	100
45) 1,2-Dichloropropane	9.37	63	173869	48.028	ug/l	100
46) Dibromomethane	9.46	93	81003	46.088	ug/l	98
47) Bromodichloromethane	9.64	83	213186	47.669	ug/l	96
48) Methyl methacrylate	9.43	41	96263	47.276	ug/l	95
49) 1,4-Dioxane	9.47	88	22003	833.999	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	467245	215.237	ug/l	98
52) Toluene	10.38	92	463832	48.808	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	222821	48.494	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	270780	48.469	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	121848	46.382	ug/l	98
56) Ethyl methacrylate	10.65	69	162403	47.237	ug/l	98
57) 1,3-Dichloropropane	10.93	76	215894	47.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380779	239.238	ug/l	98
59) 2-Hexanone	10.97	43	347344	232.566	ug/l	99
60) Dibromochloromethane	11.13	129	144444	48.423	ug/l	99
61) 1,2-Dibromoethane	11.24	107	116042	46.458	ug/l	100
64) Tetrachloroethene	10.86	164	171864	48.406	ug/l	94
65) Chlorobenzene	11.66	112	471296	48.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	165674	49.628	ug/l	99
67) Ethyl Benzene	11.73	91	877236	49.547	ug/l	100
68) m/p-Xylenes	11.84	106	669619	99.250	ug/l	100
69) o-Xylene	12.16	106	307472	49.018	ug/l	98
70) Styrene	12.18	104	539421	50.091	ug/l	99
71) Bromoform	12.35	173	82546	46.804	ug/l #	99
73) Isopropylbenzene	12.46	105	865943	49.773	ug/l	100
74) N-amyl acetate	12.27	43	175368	45.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130673	44.910	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	167470	80.517	ug/l #	100
77) Bromobenzene	12.74	156	198751	48.208	ug/l	99
78) n-propylbenzene	12.80	91	1011488	49.668	ug/l	99
79) 2-Chlorotoluene	12.89	91	558451	48.948	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	726519	49.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45316	48.889	ug/l	95
82) 4-Chlorotoluene	12.99	91	591730	49.182	ug/l	99
83) tert-Butylbenzene	13.21	119	636793	49.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	715140	49.141	ug/l	99
85) sec-Butylbenzene	13.38	105	882945	49.892	ug/l	100
86) p-Isopropyltoluene	13.50	119	823917	50.195	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	389497	49.088	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380880	48.944	ug/l	100
89) n-Butylbenzene	13.82	91	758281	50.593	ug/l	99
90) Hexachloroethane	14.09	117	139625	50.635	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	336701	49.050	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20218	45.429	ug/l	97

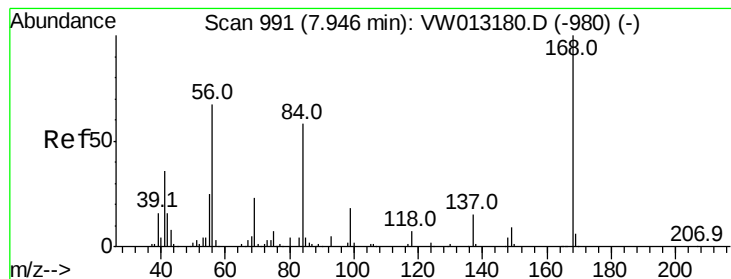
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	247904	50.398	ug/l	99
94) Hexachlorobutadiene	15.24	225	167517	49.778	ug/l	98
95) Naphthalene	15.36	128	399127	49.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	212047	49.890	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

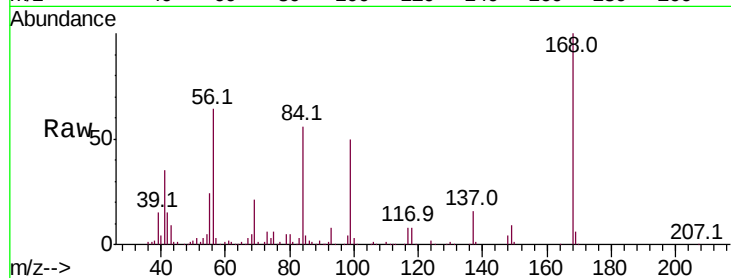
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 383619

Ion Ratio Lower Upper

168 100

99 50.1 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

200000

150000

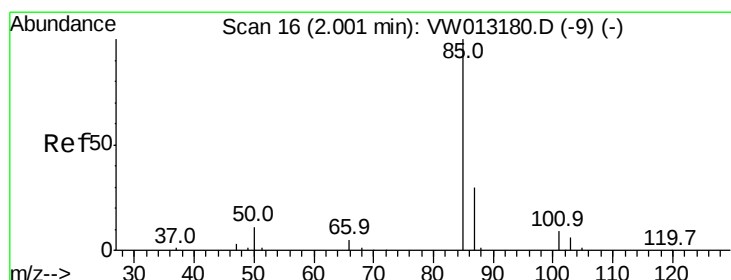
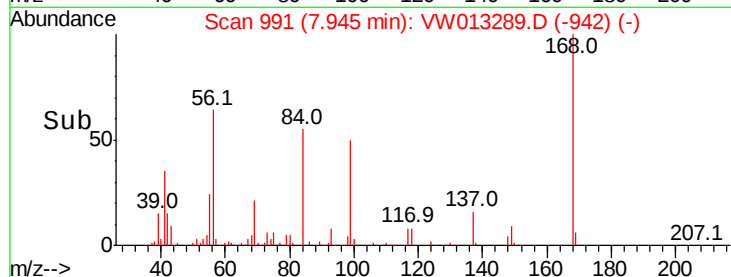
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.930 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013289.D

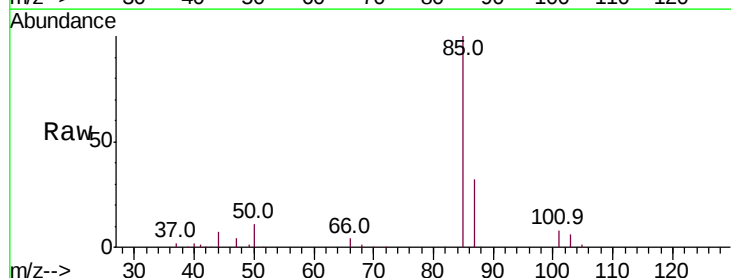
Acq: 25 Sep 2019 10:02

Tgt Ion: 85 Resp: 92784

Ion Ratio Lower Upper

85 100

87 32.3 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

30000

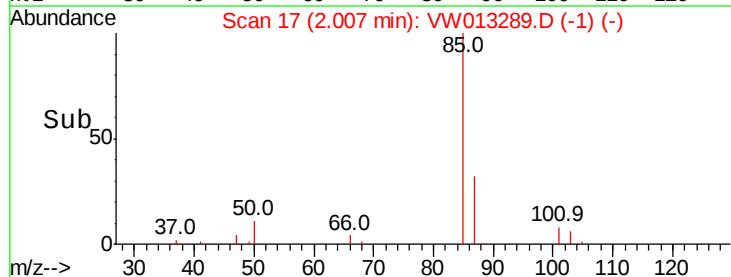
20000

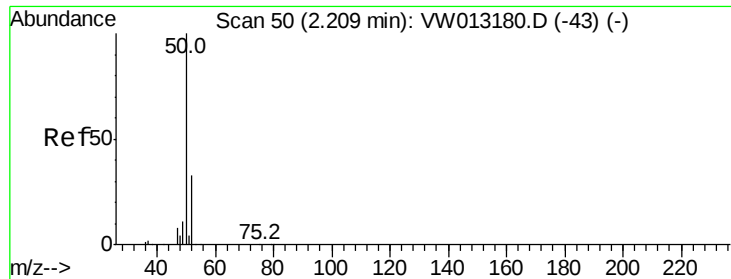
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 43.837 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

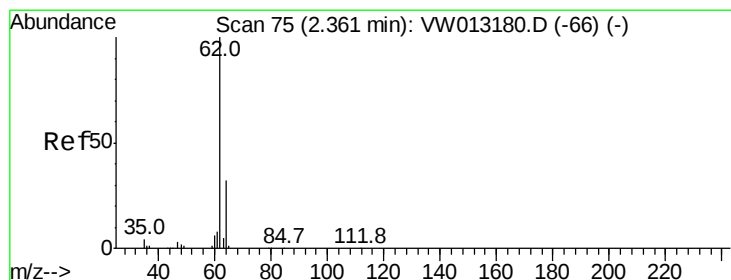
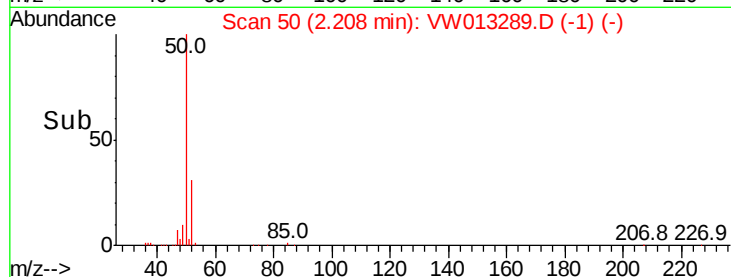
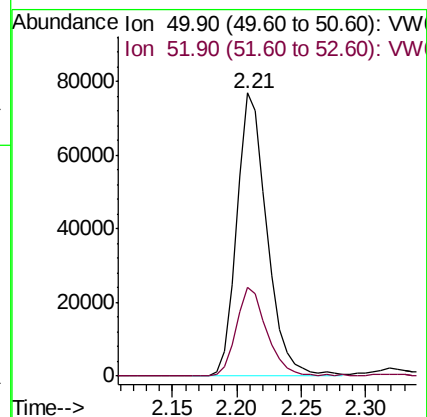
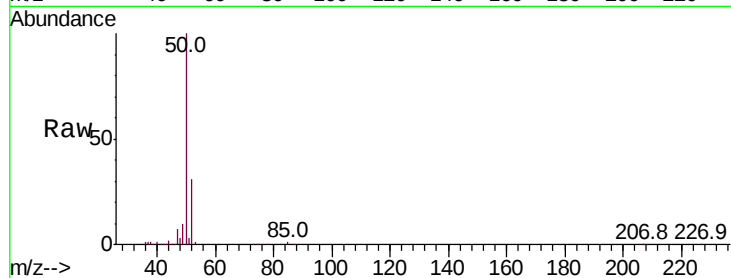
ClientSampleId :

Tot Ion: 50 Resp: 124698

Ion Ratio Lower Upper

50 100

52 31.5 26.1 39.1



#4

Vinyl Chloride

Concen: 46.799 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013289.D

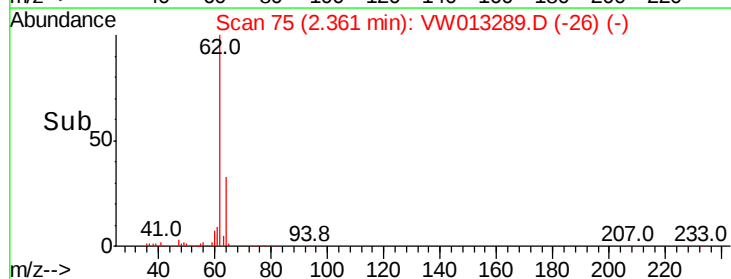
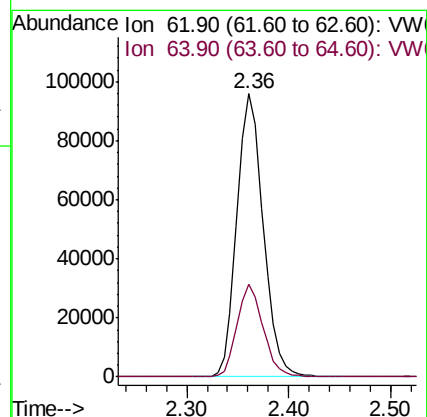
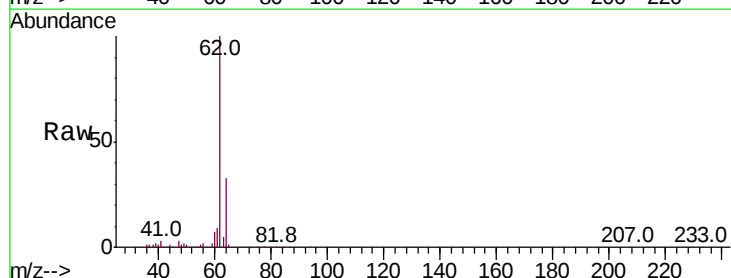
Acq: 25 Sep 2019 10:02

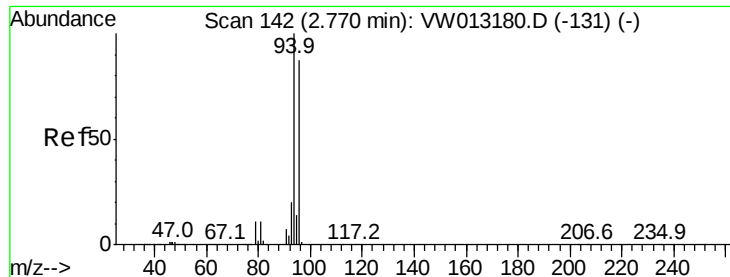
Tgt Ion: 62 Resp: 171621

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 46.203 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

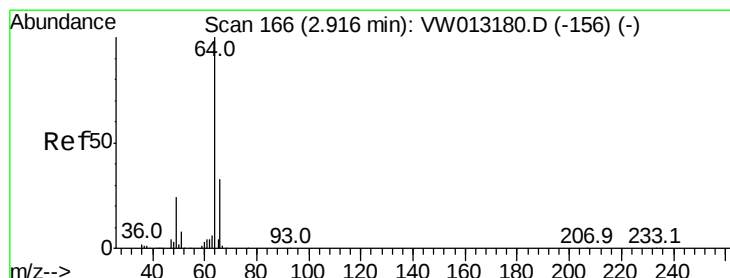
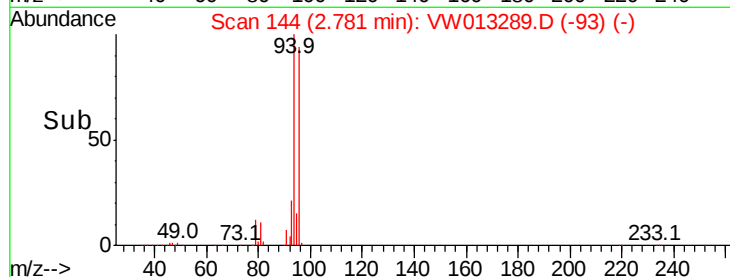
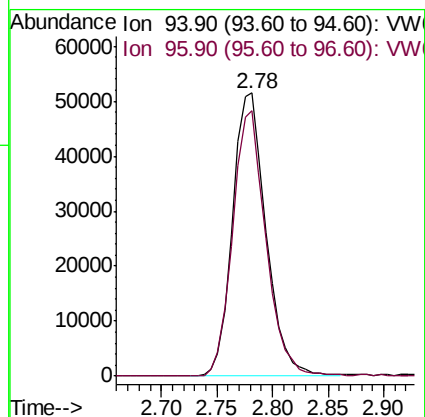
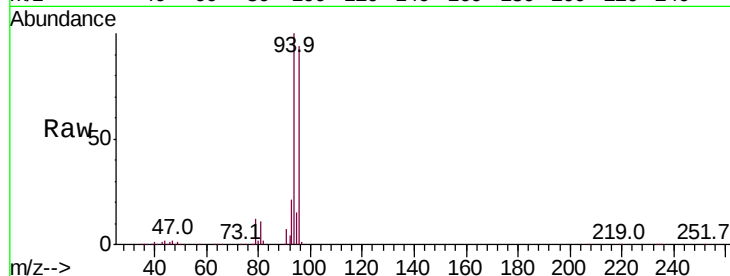
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 107375

Ion Ratio Lower Upper

94 100

96 93.7 69.7 104.5



#6

Chloroethane

Concen: 47.006 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013289.D

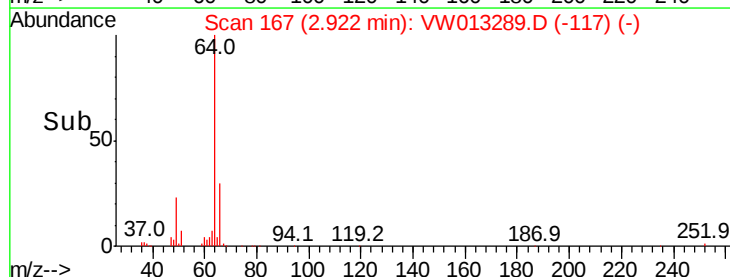
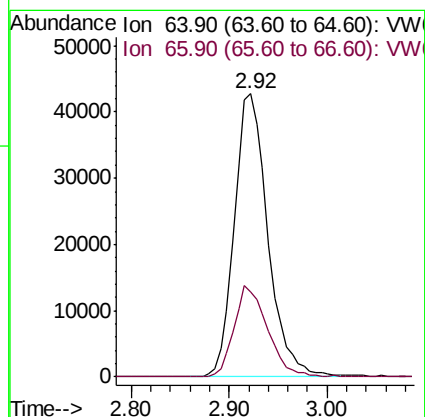
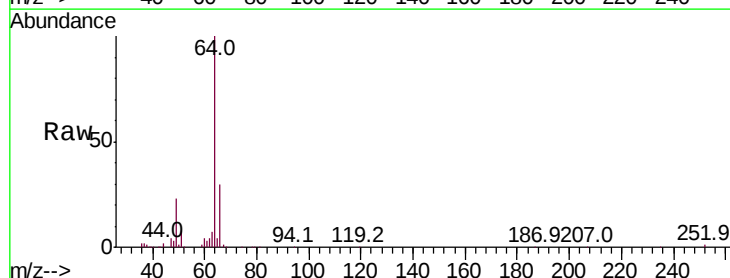
Acq: 25 Sep 2019 10:02

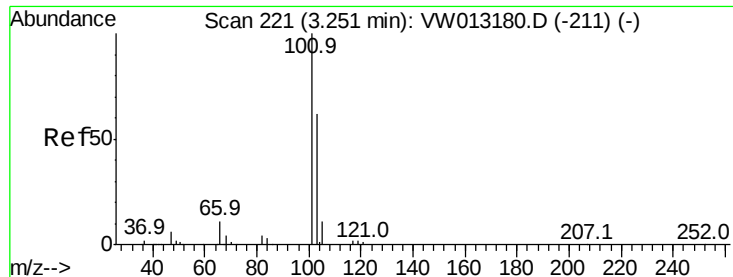
Tgt Ion: 64 Resp: 101609

Ion Ratio Lower Upper

64 100

66 30.0 26.6 39.8



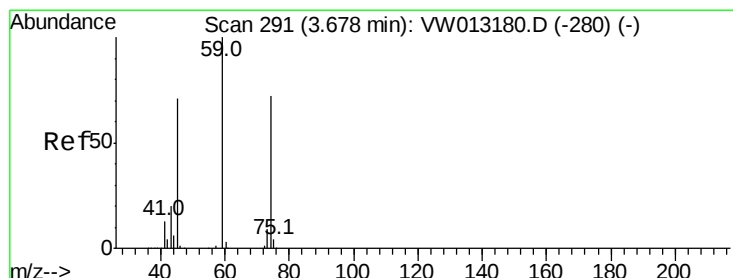
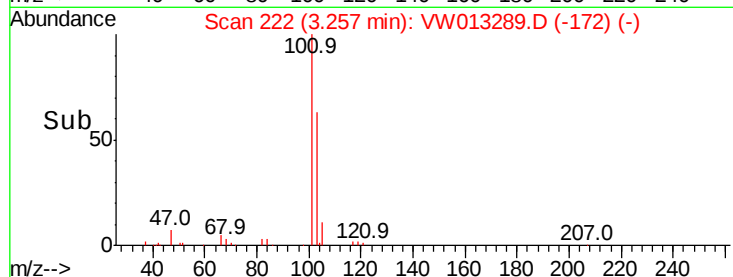
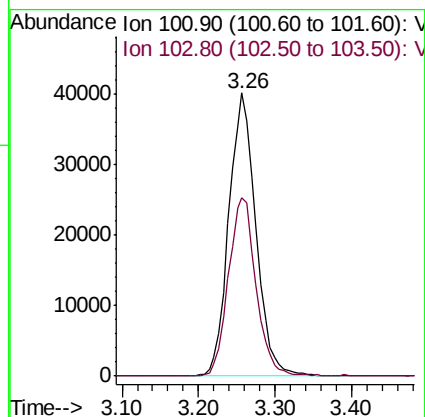
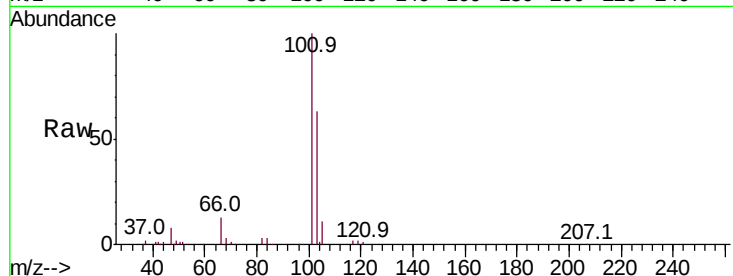


#7

Trichlorofluoromethane
Concen: 46.498 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampled :

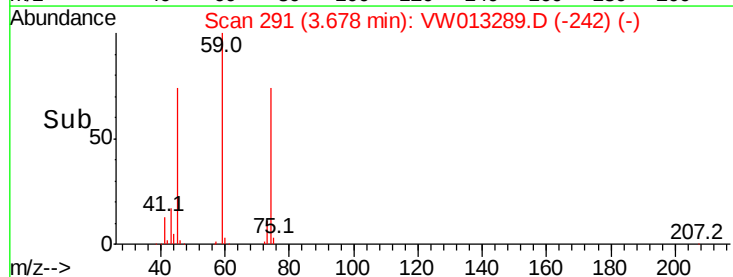
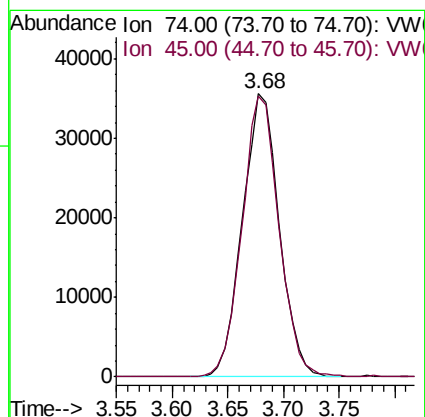
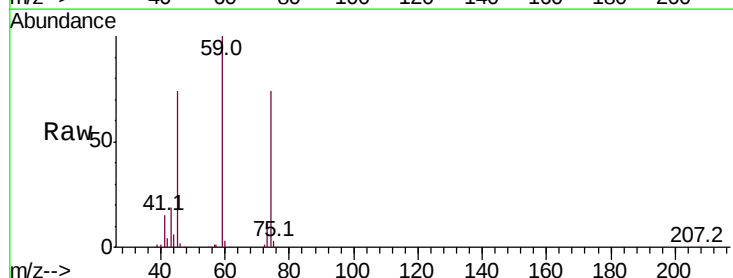
Tot Ion:101 Resp: 98324
Ion Ratio Lower Upper
101 100
103 63.0 49.7 74.5

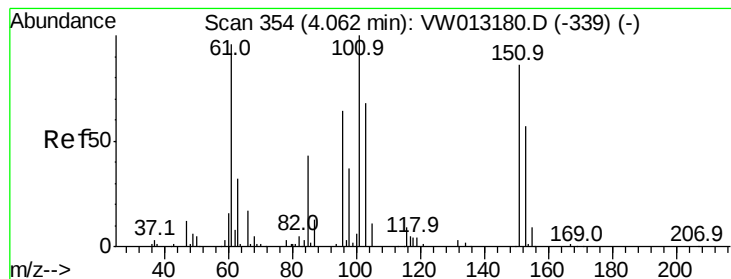


#8

Diethyl Ether
Concen: 45.367 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 74 Resp: 81943
Ion Ratio Lower Upper
74 100
45 99.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

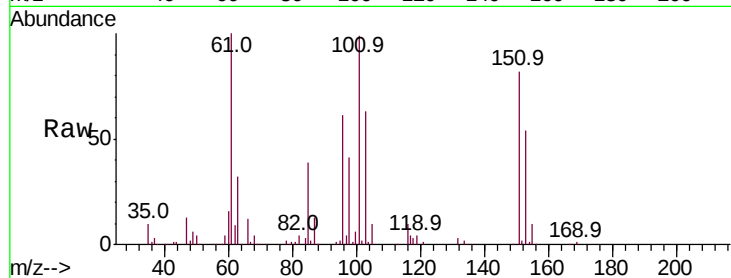
Tot Ion:101 Resp: 163567

Ion Ratio Lower Upper

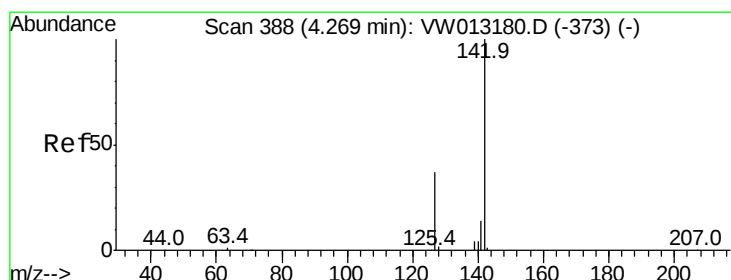
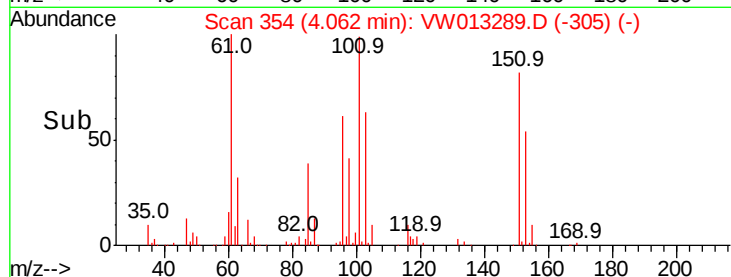
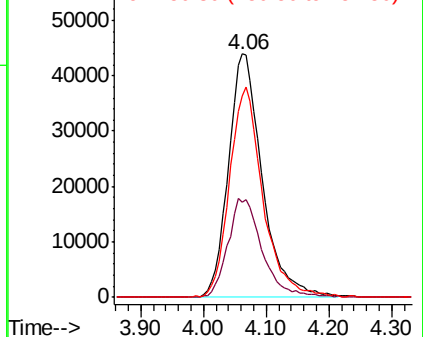
101 100

85 41.4 33.4 50.0

151 85.4 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: 48.188 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

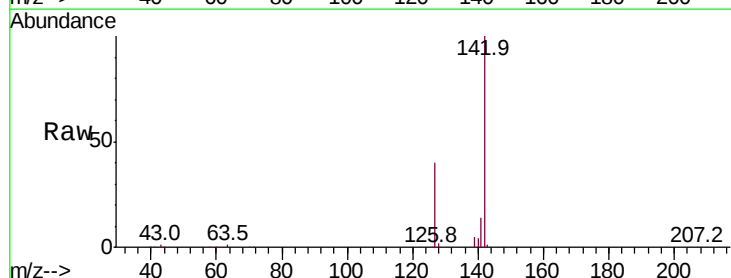
Tgt Ion:142 Resp: 257209

Ion Ratio Lower Upper

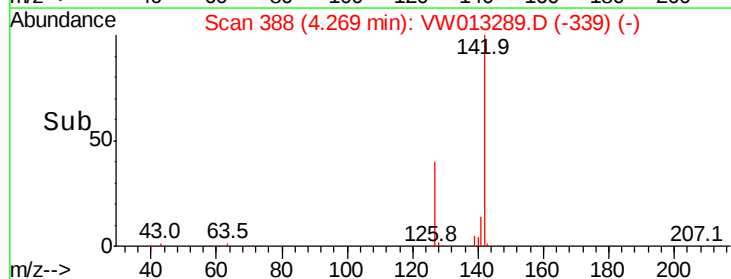
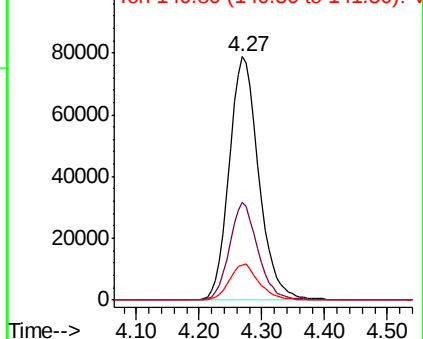
142 100

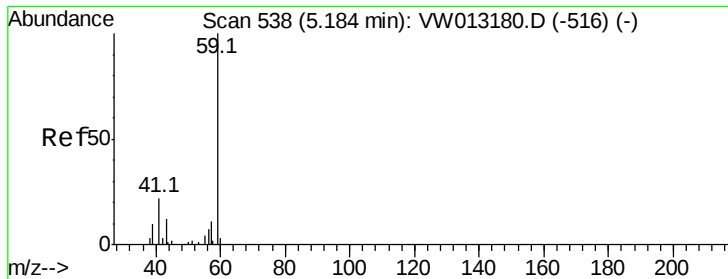
127 38.3 30.9 46.3

141 14.7 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



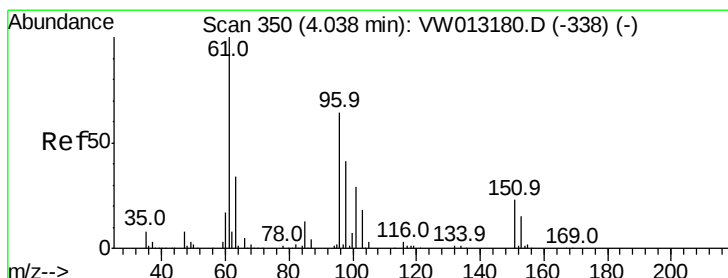
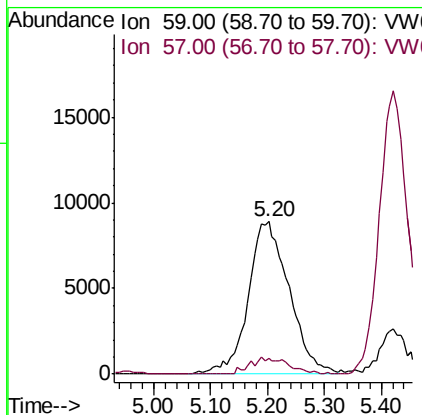
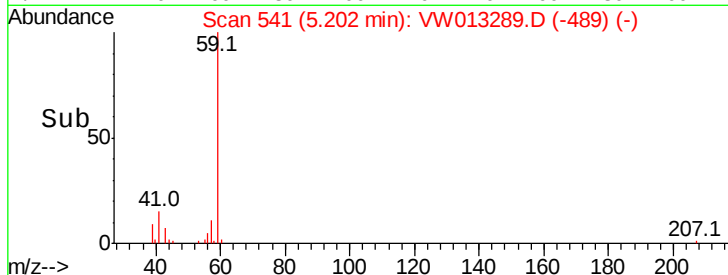
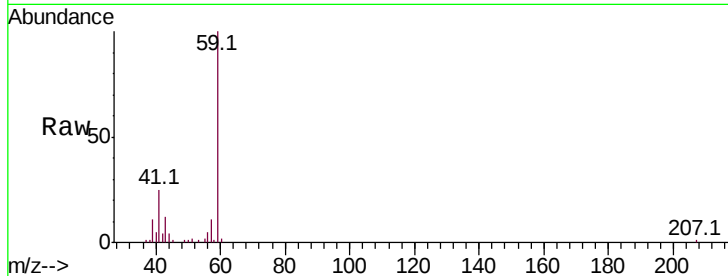


#11

Tert butyl alcohol
Concen: 194.854 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampled :

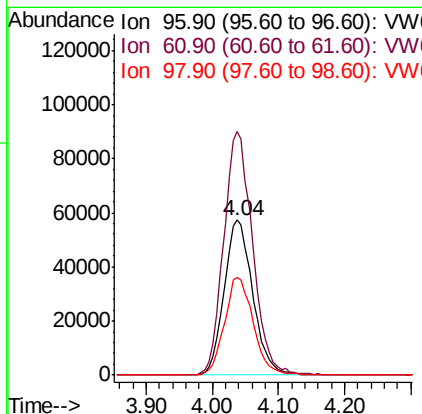
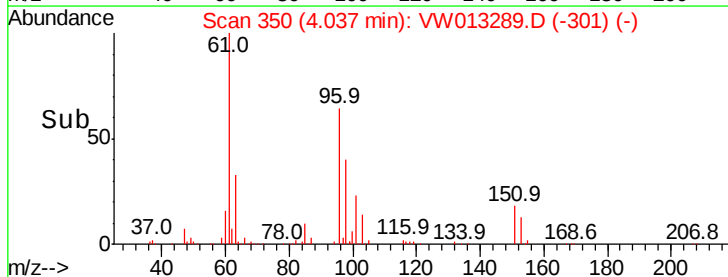
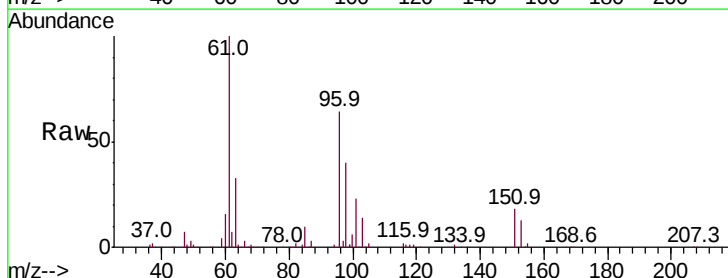
Tot Ion: 59 Resp: 44419
Ion Ratio Lower Upper
59 100
57 6.9 8.2 12.2#

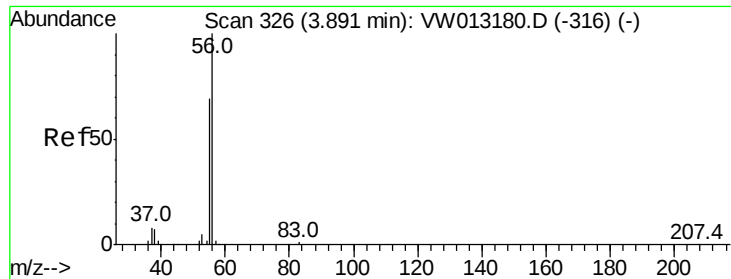


#12

1,1-Dichloroethene
Concen: 48.261 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 96 Resp: 172051
Ion Ratio Lower Upper
96 100
61 157.0 125.1 187.7
98 63.0 50.8 76.2





#13

Acrolein

Concen: 202.202 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

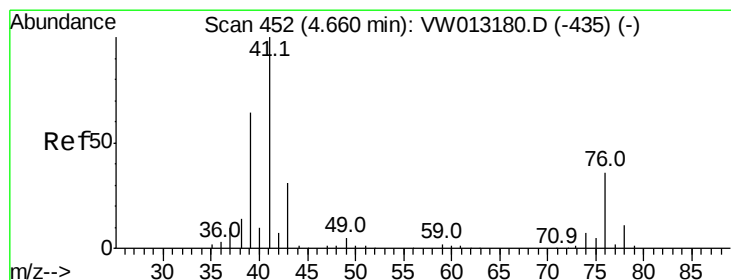
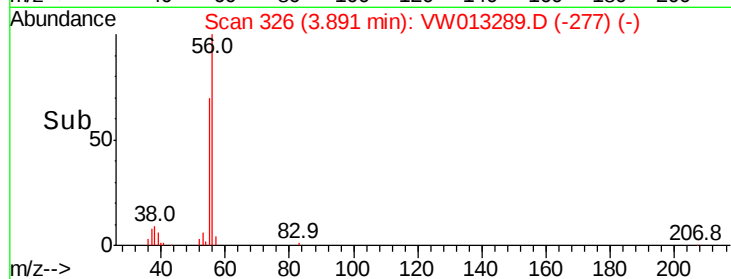
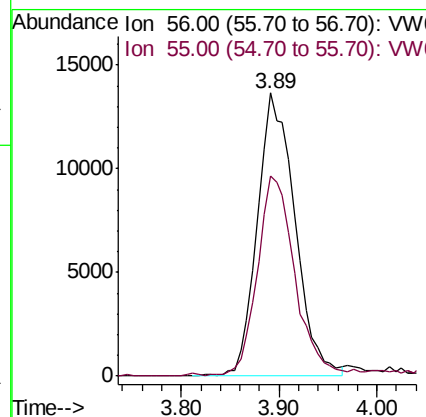
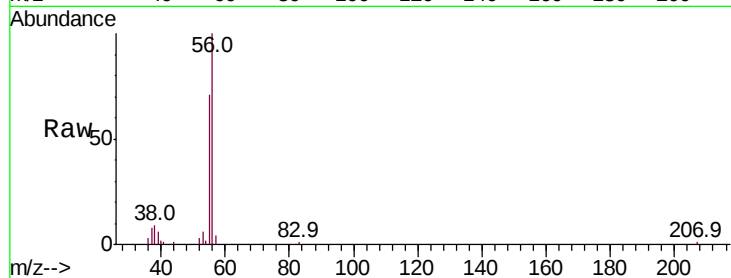
ClientSampleId :

Tot Ion: 56 Resp: 36443

Ion Ratio Lower Upper

56 100

55 70.5 55.4 83.0



#14

Allyl chloride

Concen: 49.459 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

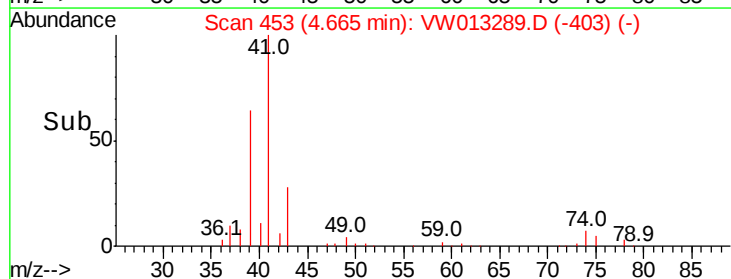
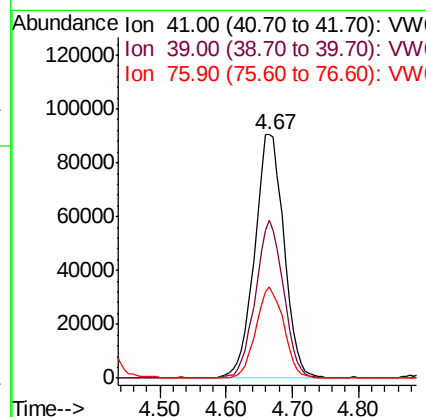
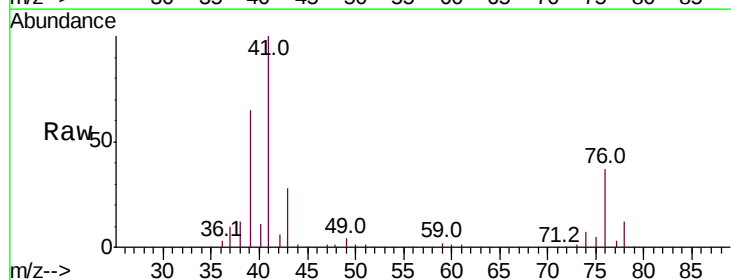
Tgt Ion: 41 Resp: 280617

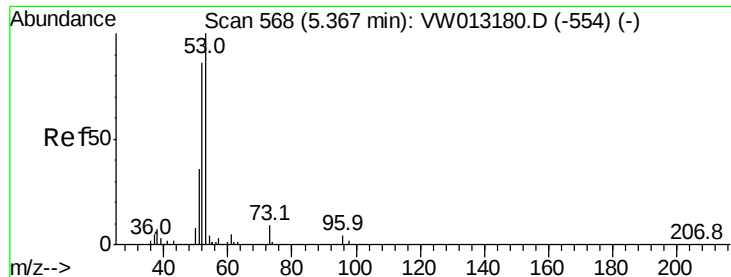
Ion Ratio Lower Upper

41 100

39 61.8 51.0 76.4

76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 221.358 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

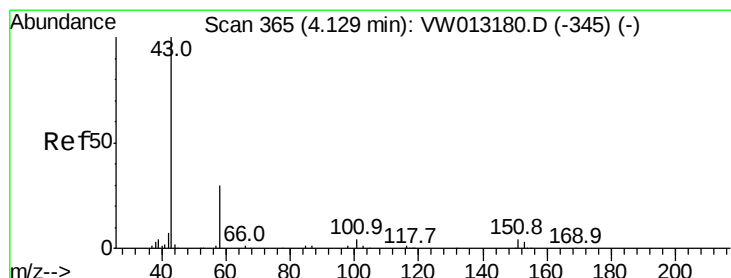
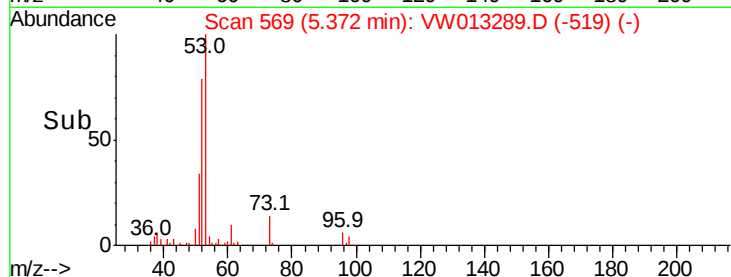
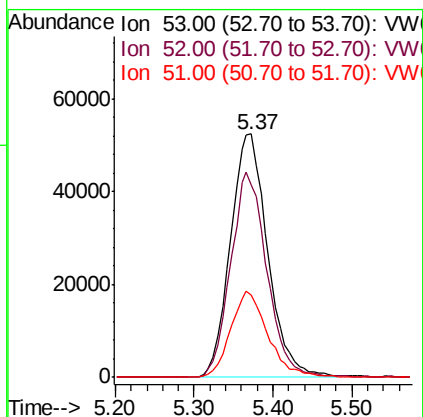
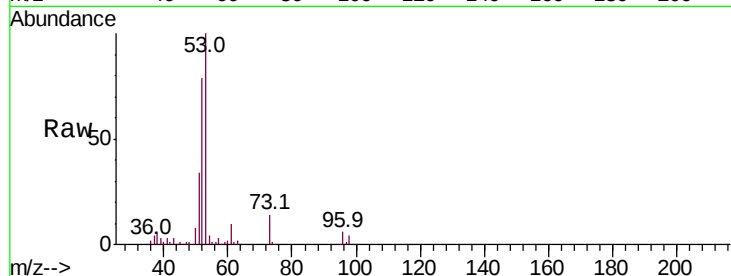
Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 172570

Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.3	97.9
51	35.3	29.0	43.4



#16

Acetone

Concen: 233.749 ug/l

RT: 4.13 min Scan# 366

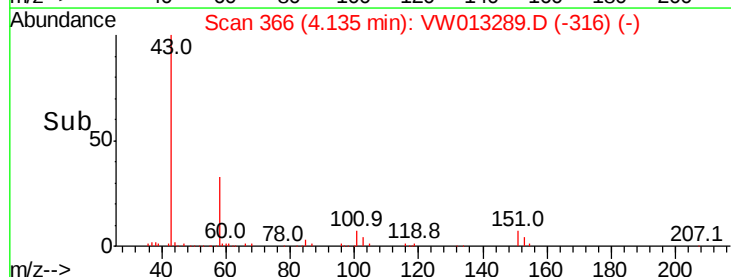
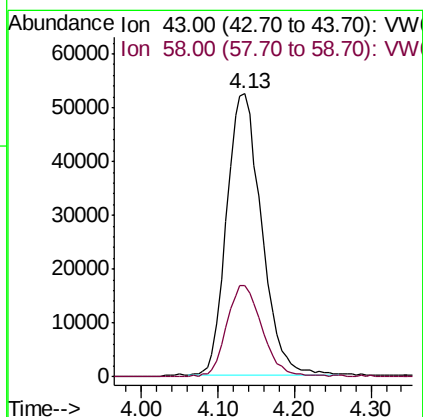
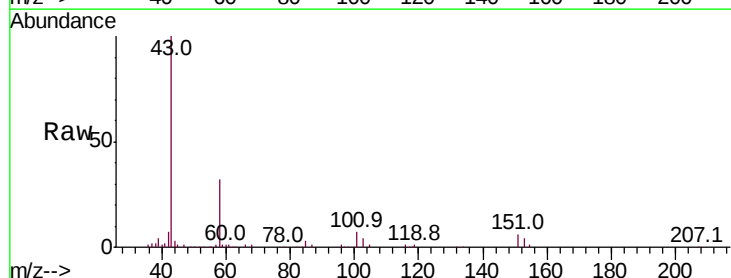
Delta R.T. 0.01 min

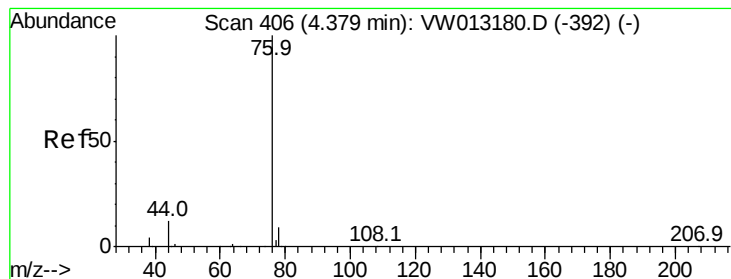
Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion: 43 Resp: 165039

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.1	36.1





#17

Carbon Disulfide

Concen: 48.292 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

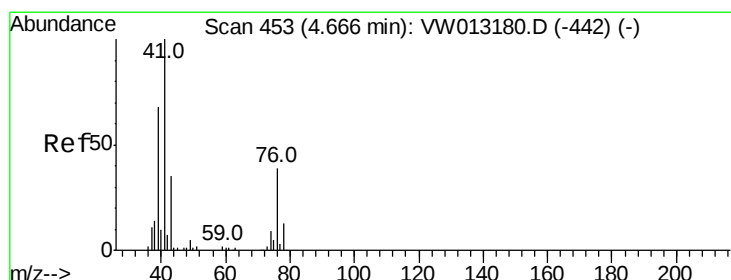
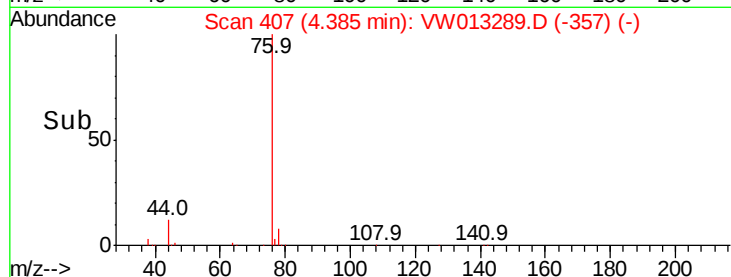
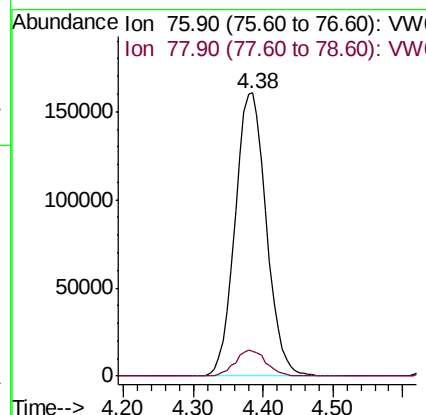
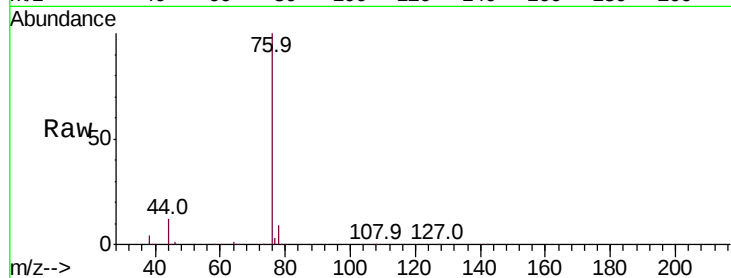
ClientSampleId :

Tot Ion: 76 Resp: 497615

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



#18

Methyl Acetate

Concen: 41.909 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013289.D

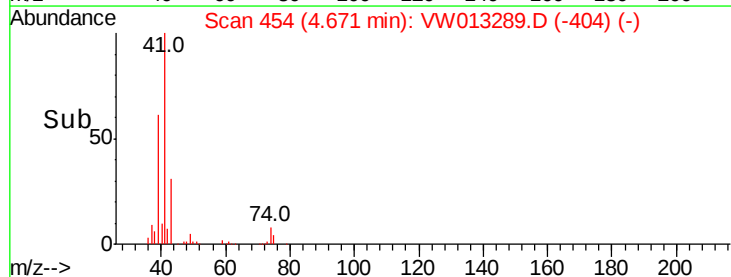
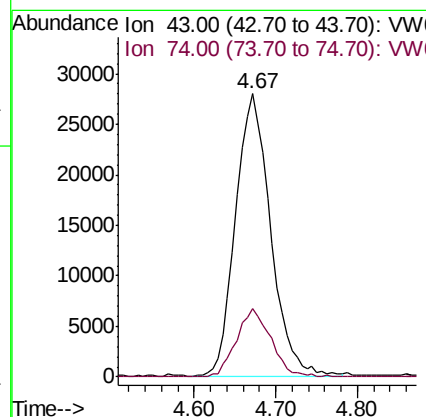
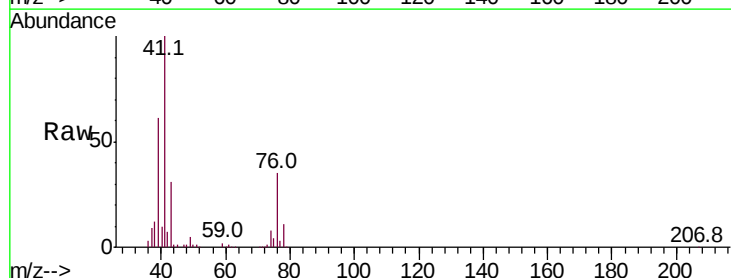
Acq: 25 Sep 2019 10:02

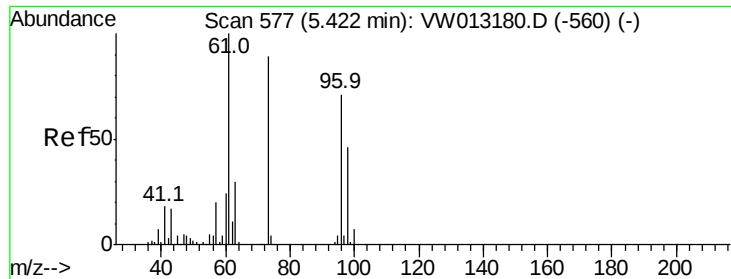
Tgt Ion: 43 Resp: 83177

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9

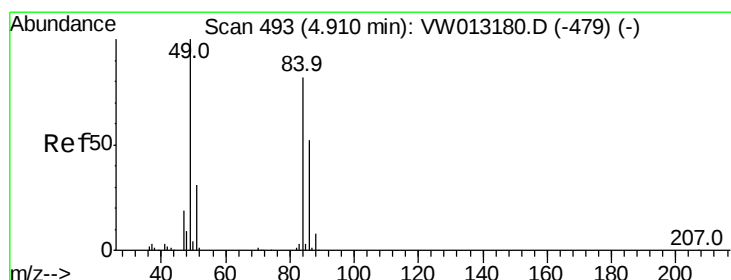
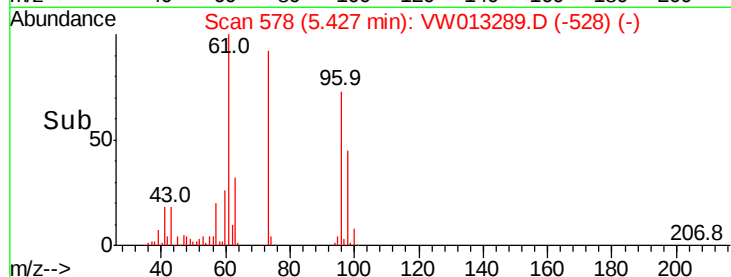
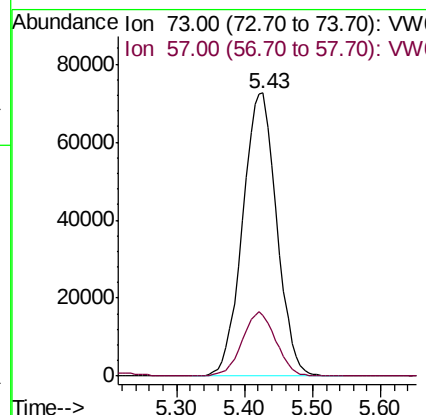
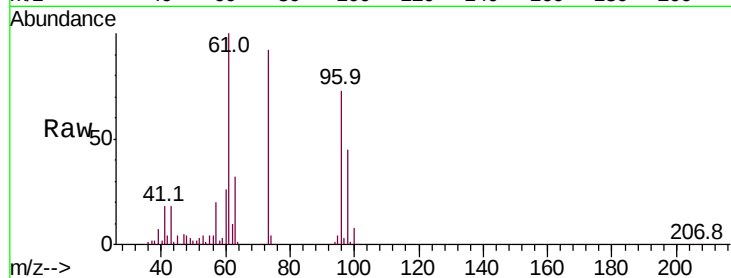




#19
Methvl tert-butvl Ether
Concen: 46.201 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

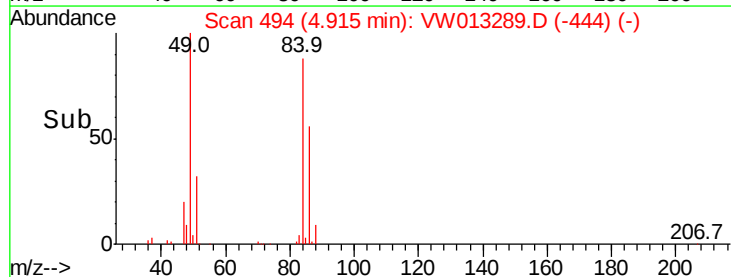
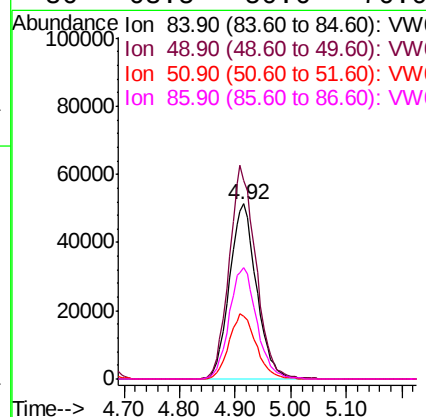
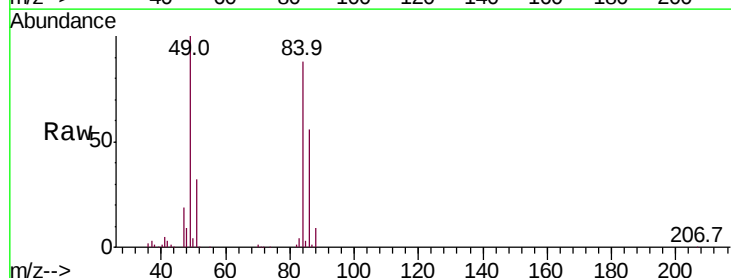
Instrument :
MSVOA_W
ClientSampled :

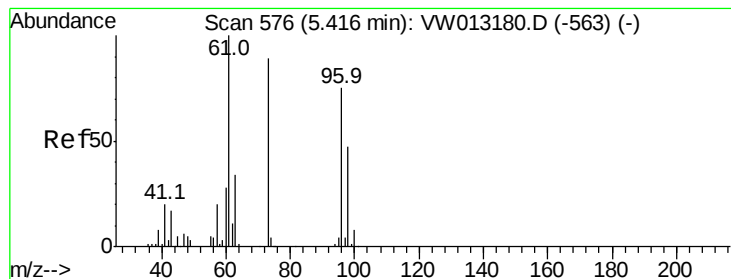
Tot Ion: 73 Resp: 252432
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4



#20
Methylene Chloride
Concen: 47.729 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 84 Resp: 172822
Ion Ratio Lower Upper
84 100
49 113.3 97.6 146.4
51 35.9 30.2 45.2
86 63.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.775 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampled :

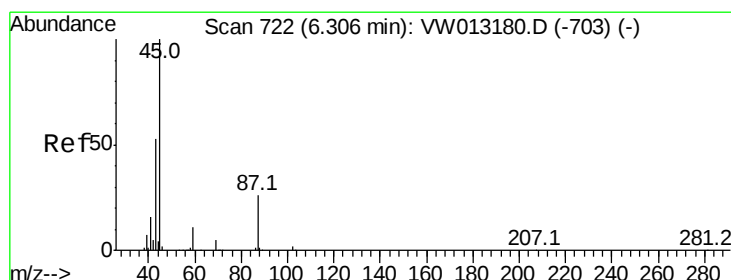
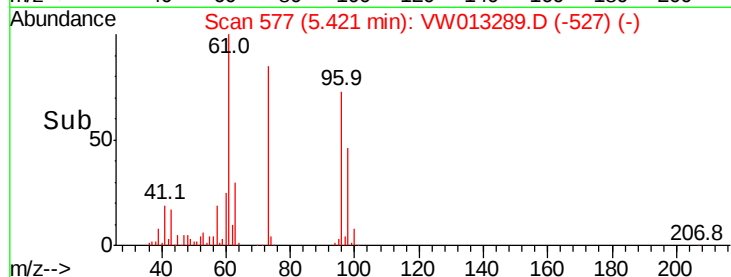
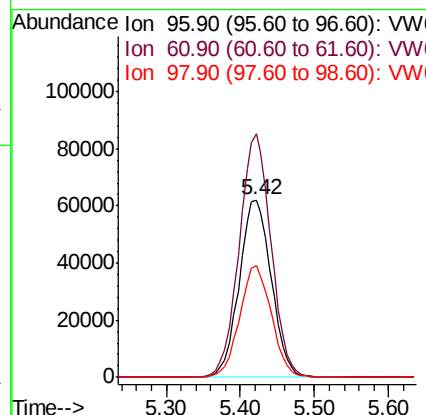
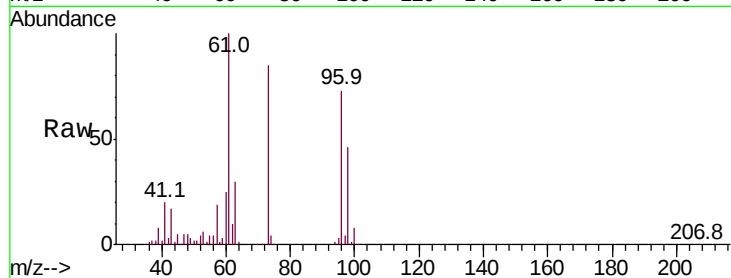
Tot Ion: 96 Resp: 187939

Ion Ratio Lower Upper

96 100

61 137.0 106.6 159.8

98 62.9 49.8 74.8



#22

Diisopropyl ether

Concen: 47.893 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion: 45 Resp: 516731

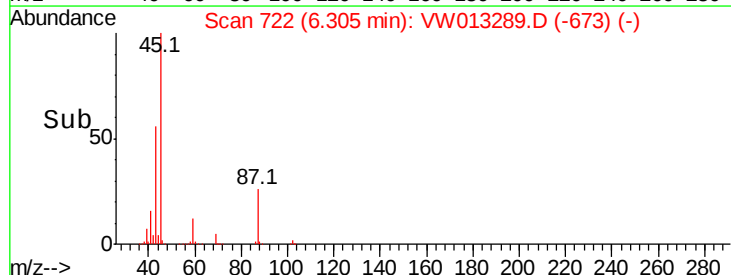
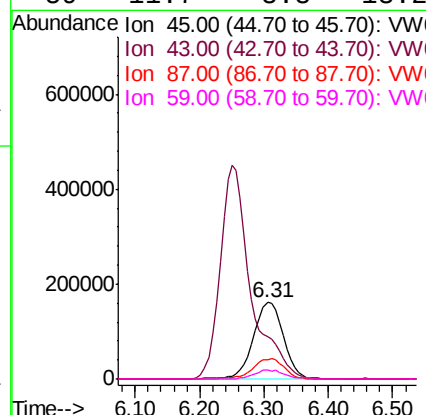
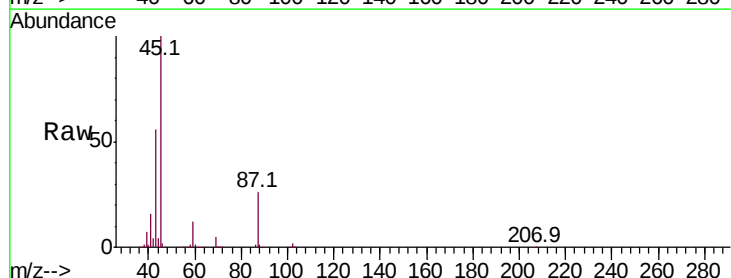
Ion Ratio Lower Upper

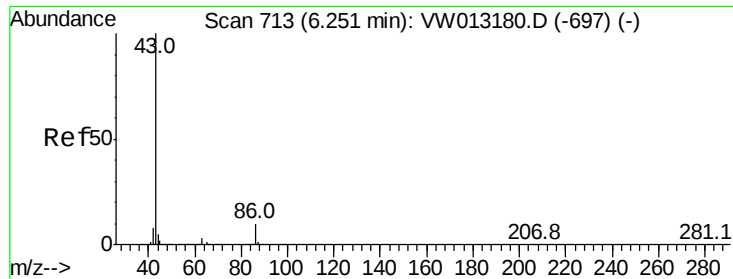
45 100

43 55.3 42.4 63.6

87 25.8 20.4 30.6

59 11.7 8.8 13.2





#23

Vinyl Acetate

Concen: 233.342 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

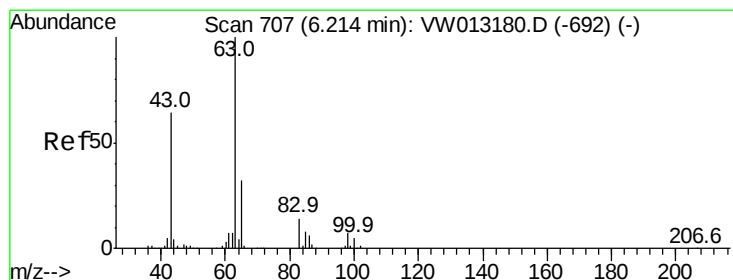
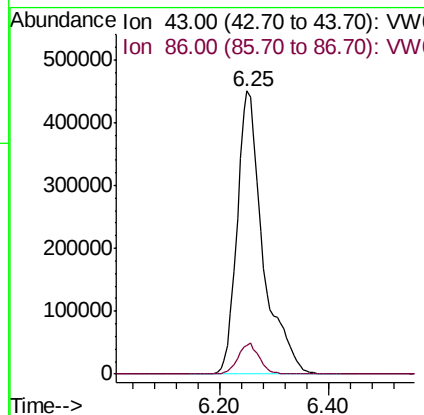
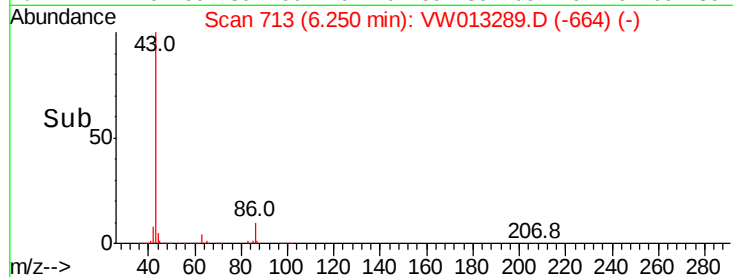
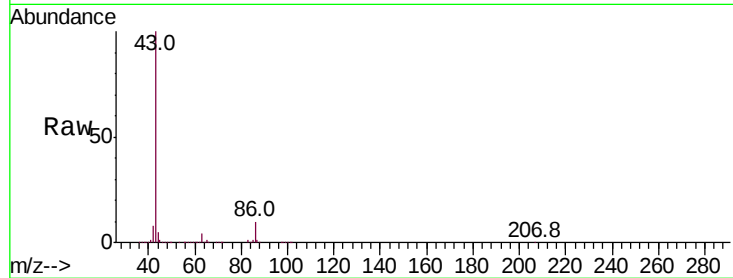
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1493556

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 47.849 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

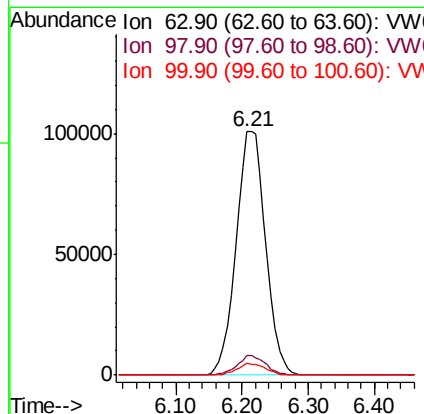
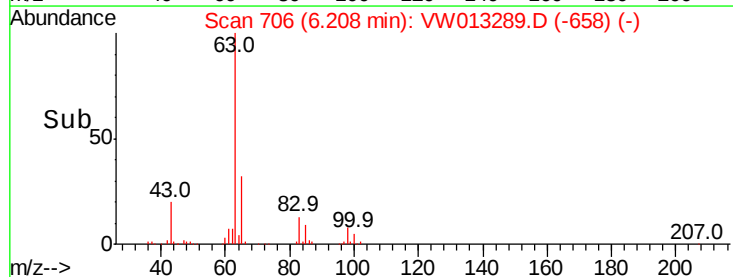
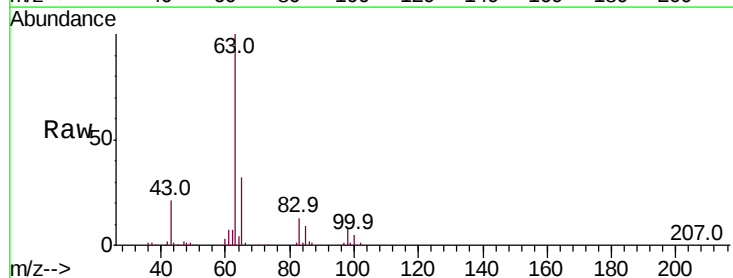
Tgt Ion: 63 Resp: 311518

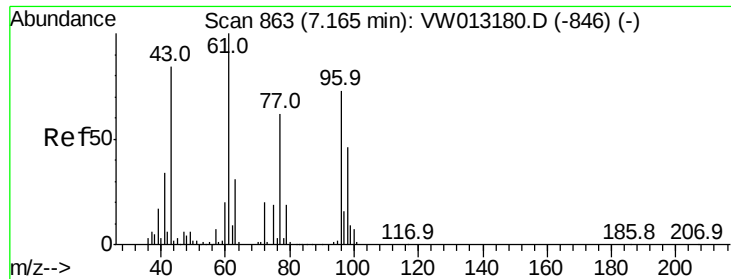
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 213.589 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

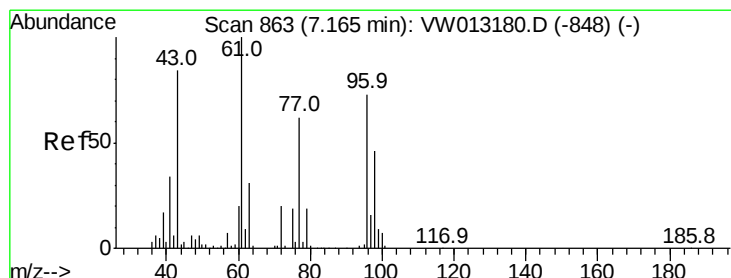
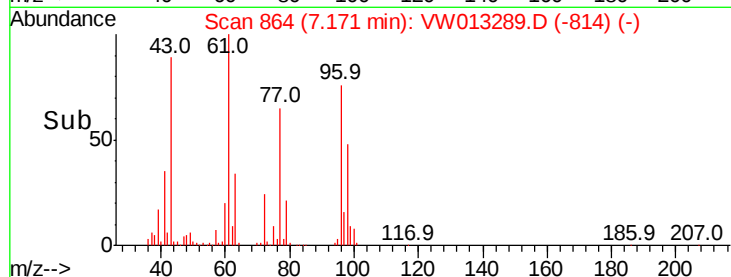
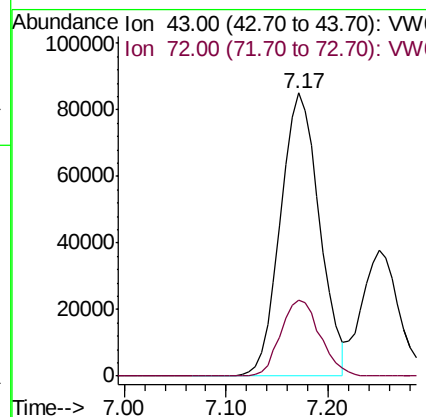
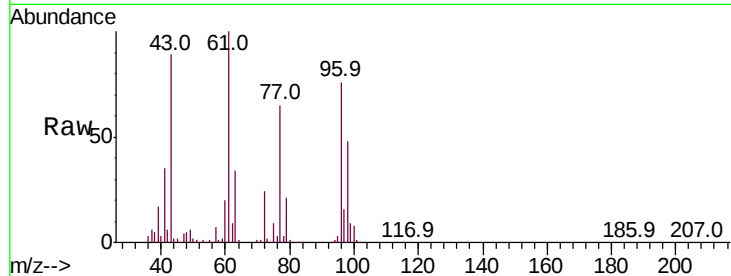
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 226383

Ion Ratio Lower Upper

43 100

72 26.9 19.4 29.0



#26

2,2-Dichloropropane

Concen: 49.259 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013289.D

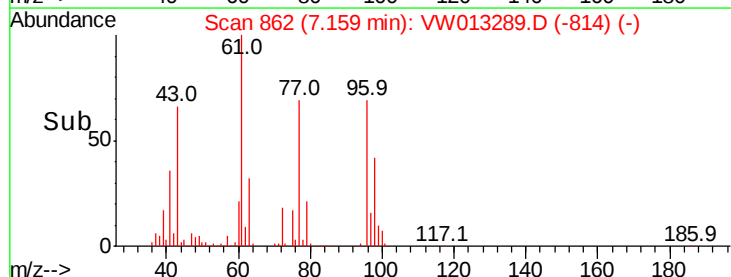
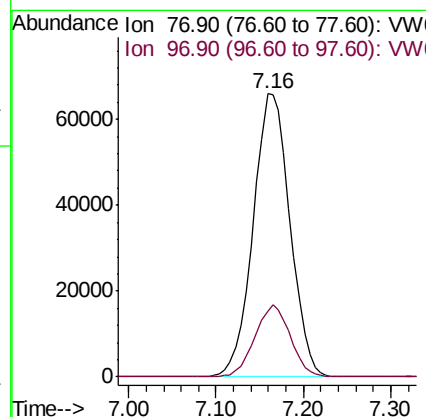
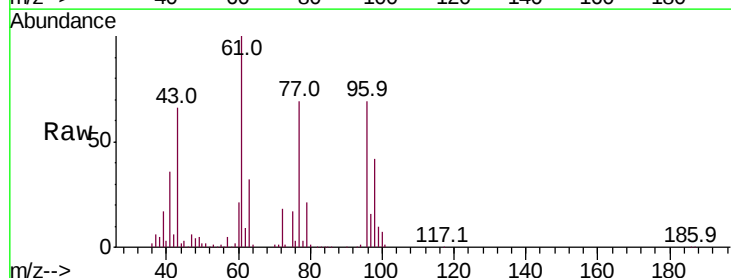
Acq: 25 Sep 2019 10:02

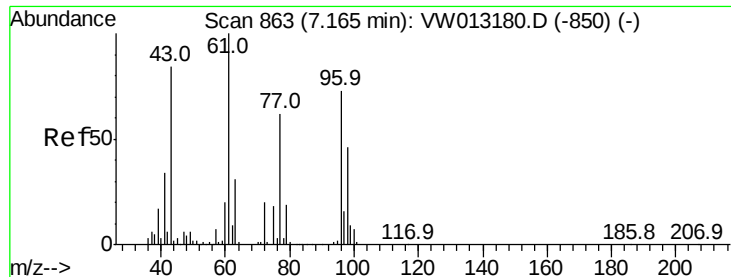
Tgt Ion: 77 Resp: 192078

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4



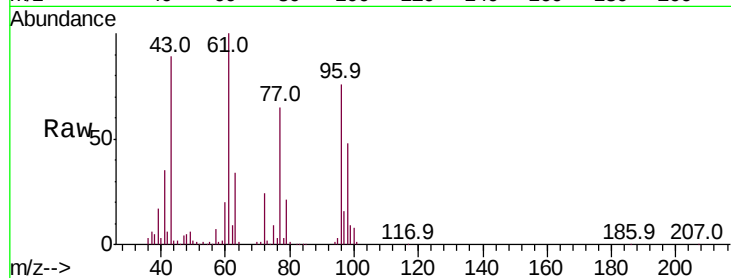


#27

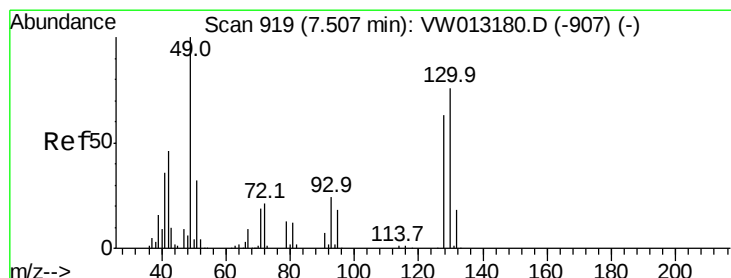
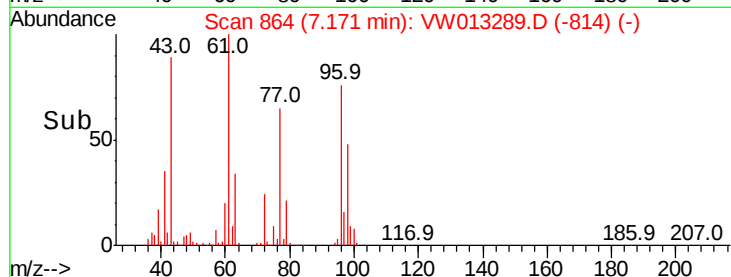
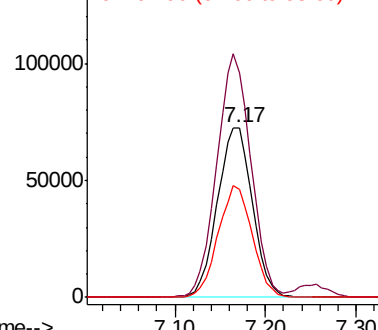
cis-1,2-Dichloroethene
Concen: 47.694 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	193940
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	282.4
98	64.3	0.0	128.2



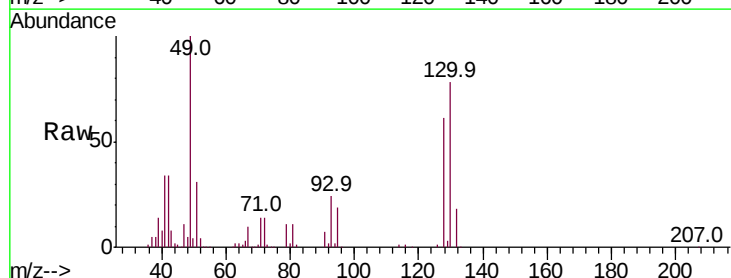
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



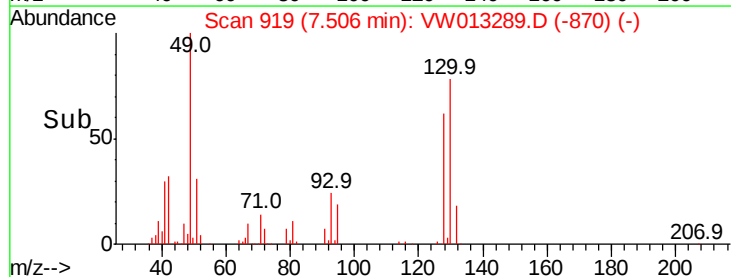
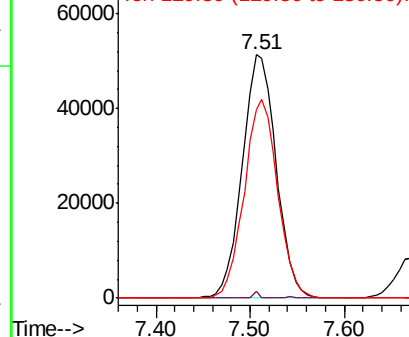
#28

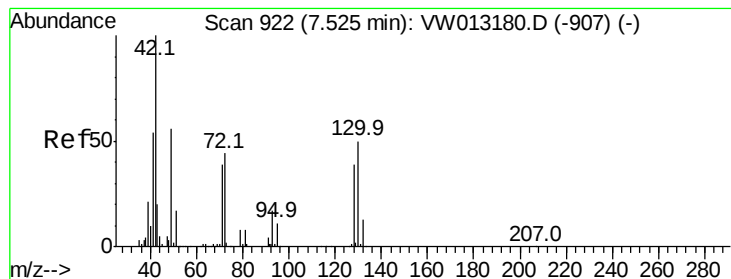
Bromochloromethane
Concen: 51.729 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	49	Resp	129258
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.0
130	80.9	63.4	95.2



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





#29

Tetrahydrofuran

Concen: 212.844 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

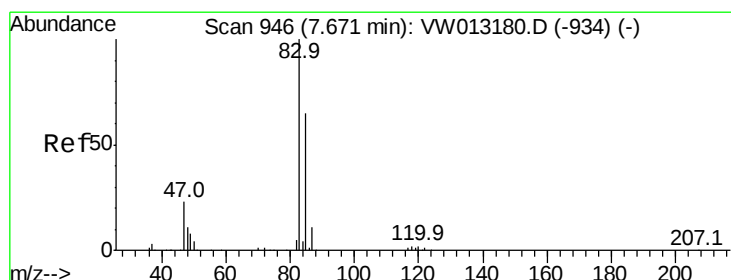
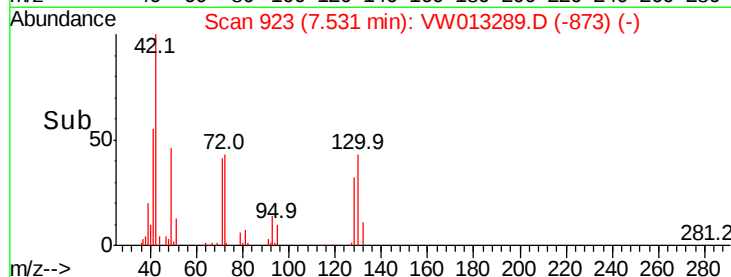
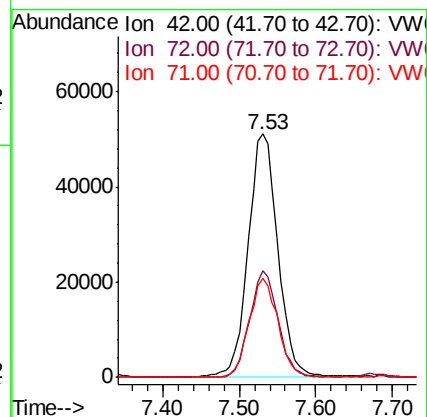
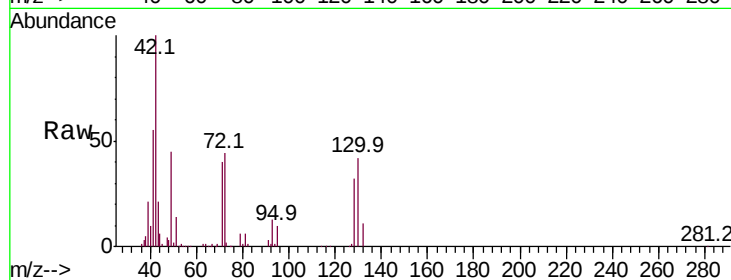
Tot Ion: 42 Resp: 138349

Ion Ratio Lower Upper

42 100

72 41.8 33.9 50.9

71 39.5 31.9 47.9



#30

Chloroform

Concen: 46.430 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013289.D

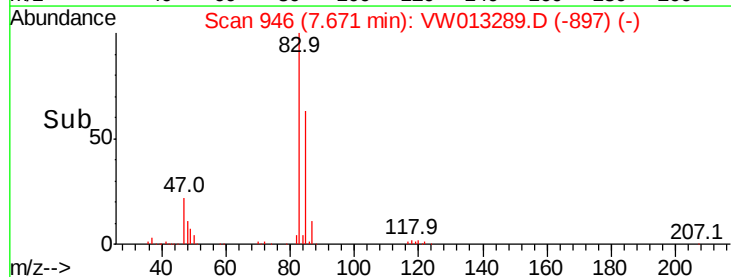
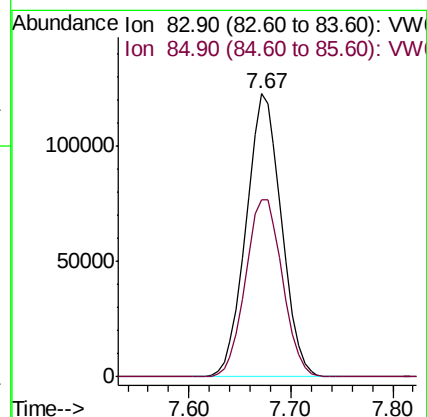
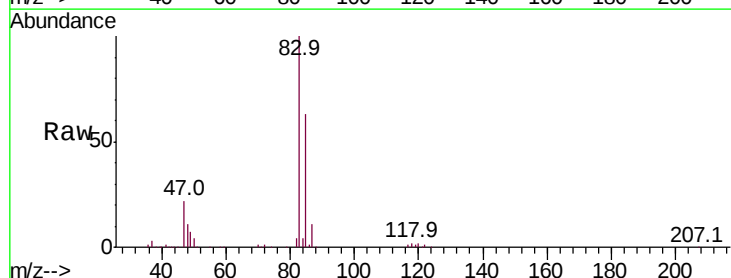
Acq: 25 Sep 2019 10:02

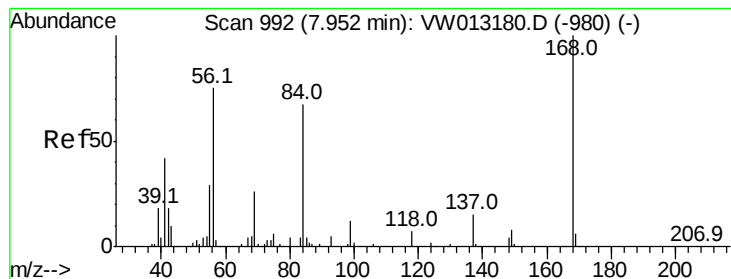
Tgt Ion: 83 Resp: 295947

Ion Ratio Lower Upper

83 100

85 62.8 52.3 78.5





#31

Cyclohexane

Concen: 45.900 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampled :

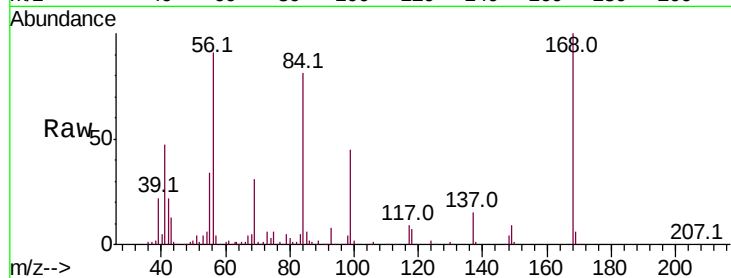
Tot Ion: 56 Resp: 311501

Ion Ratio Lower Upper

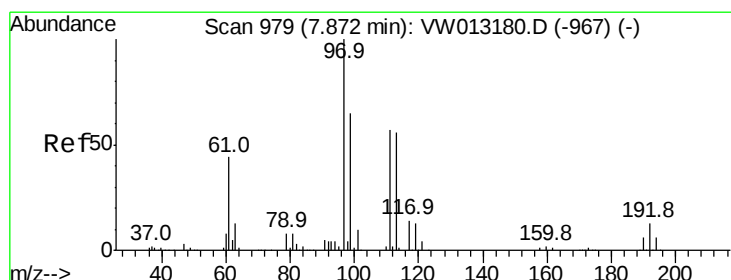
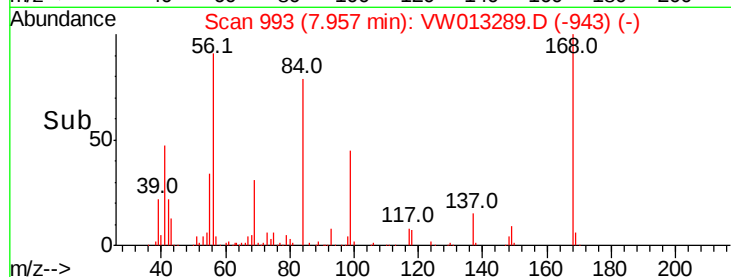
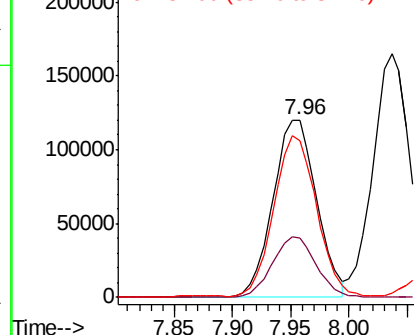
56 100

69 33.7 27.2 40.8

84 87.1 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: 47.659 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

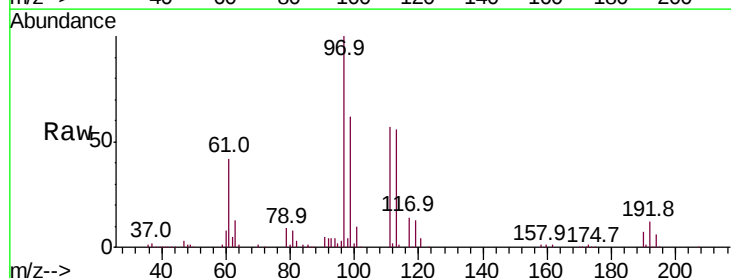
Tgt Ion: 97 Resp: 246038

Ion Ratio Lower Upper

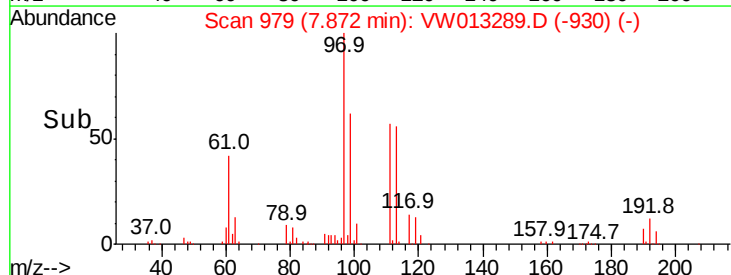
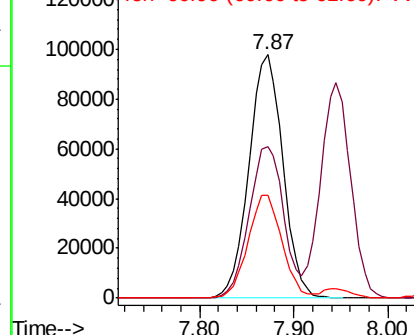
97 100

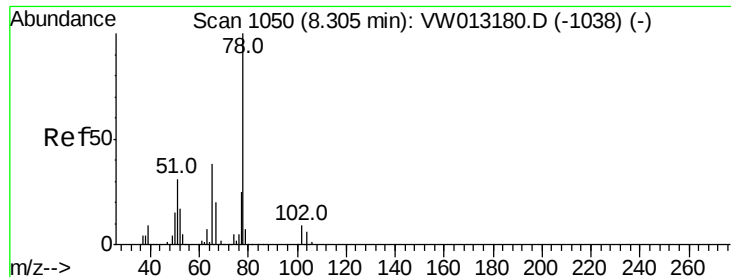
99 63.9 51.7 77.5

61 42.1 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.720 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

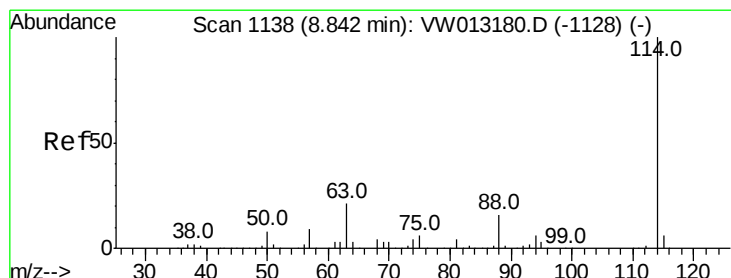
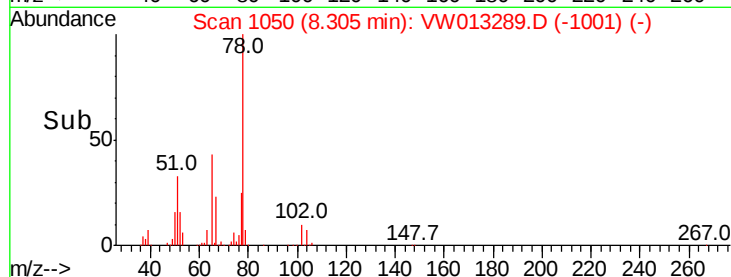
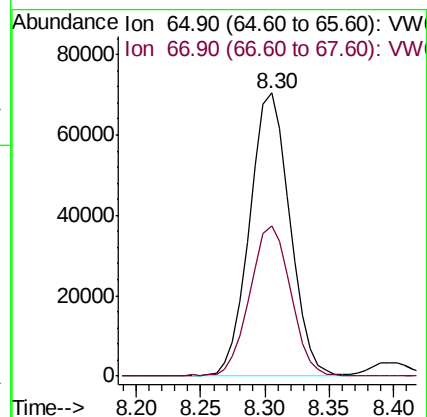
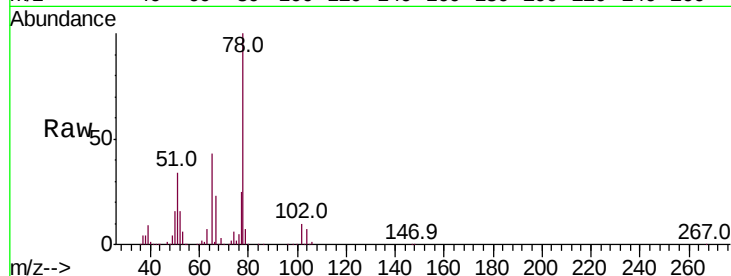
ClientSampleId :

Tot Ion: 65 Resp: 152538

Ion Ratio Lower Upper

65 100

67 54.3 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: VW013289.D

Acq: 25 Sep 2019 10:02

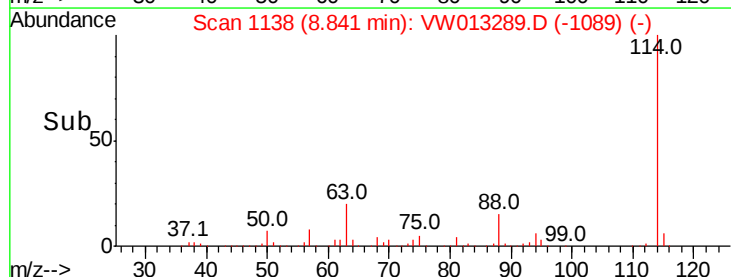
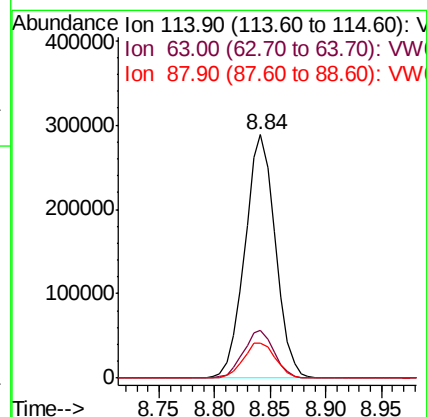
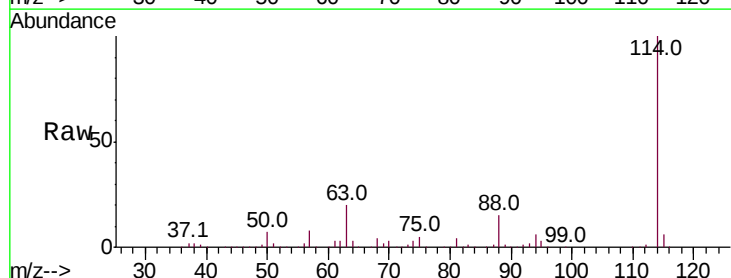
Tgt Ion: 114 Resp: 548859

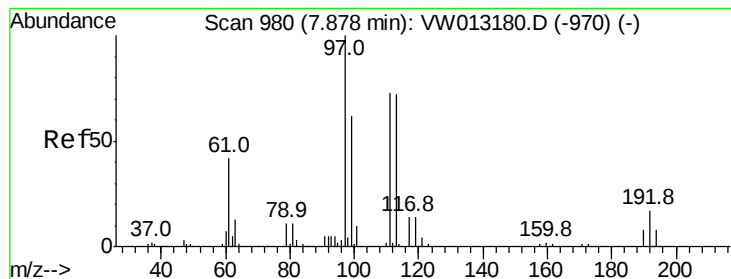
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 14.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.860 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampled :

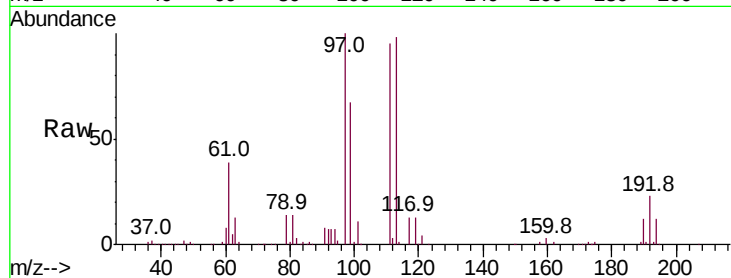
Tot Ion:113 Resp: 159571

Ion Ratio Lower Upper

113 100

111 100.8 81.9 122.9

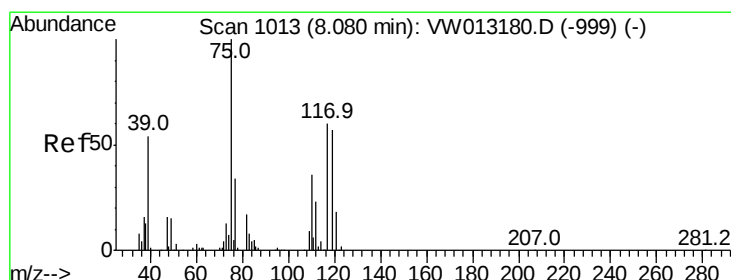
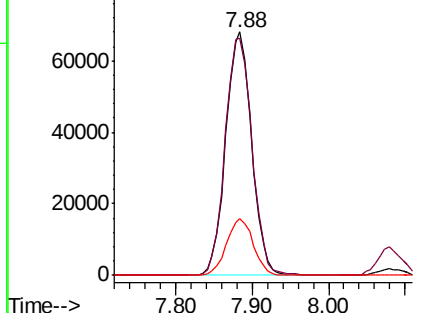
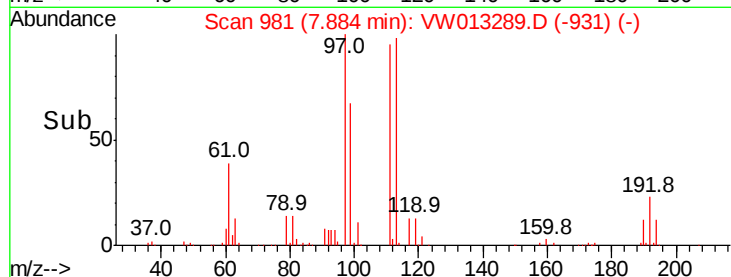
192 23.8 19.1 28.7



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: 48.841 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

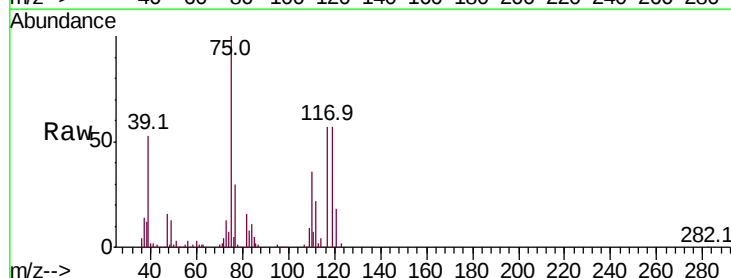
Tgt Ion: 75 Resp: 259640

Ion Ratio Lower Upper

75 100

110 35.8 18.1 54.3

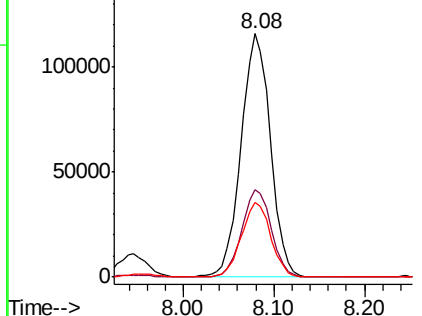
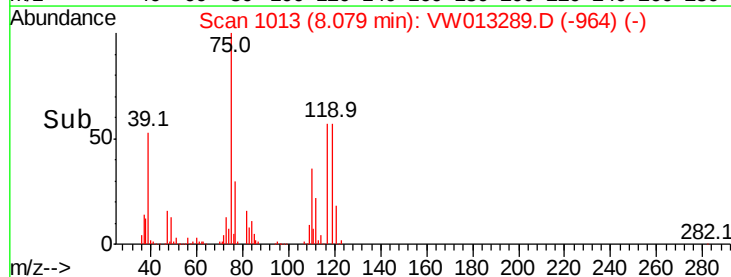
77 30.7 25.8 38.6

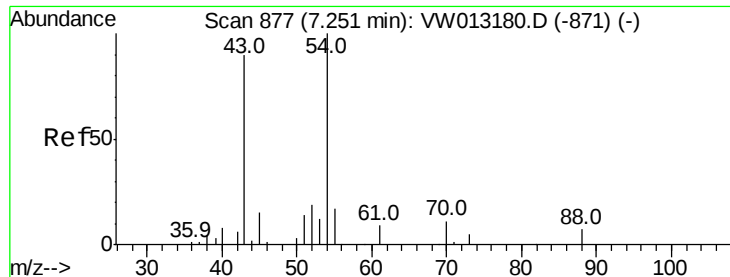


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

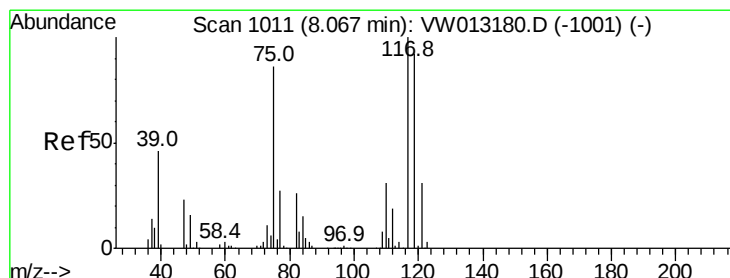
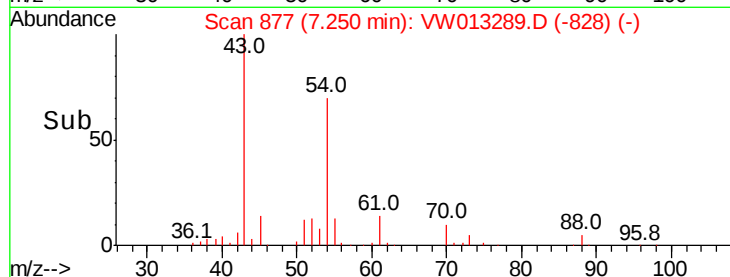
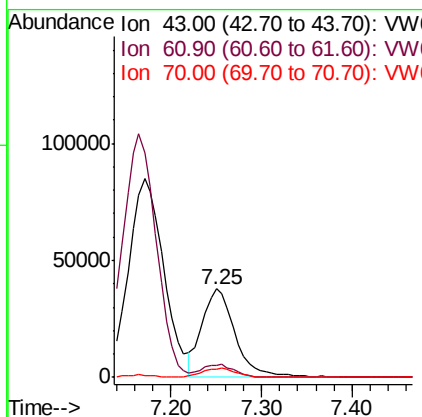
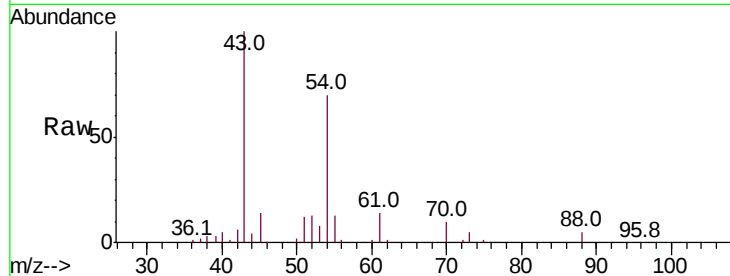




#37
Ethyl Acetate
Concen: 42.360 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

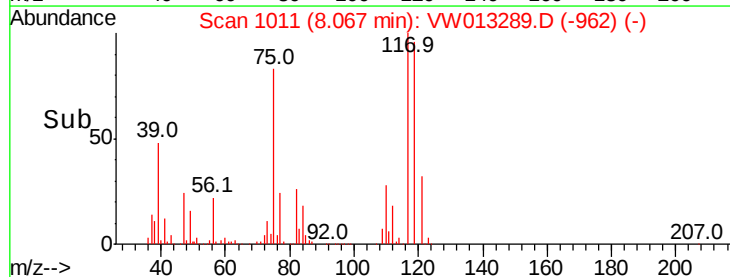
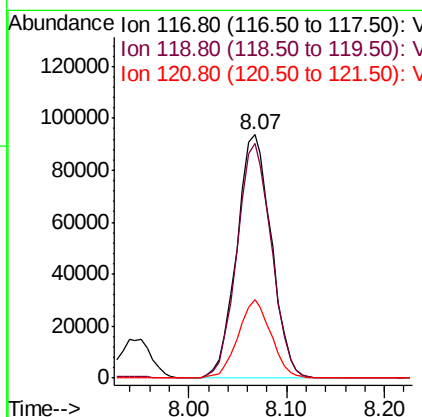
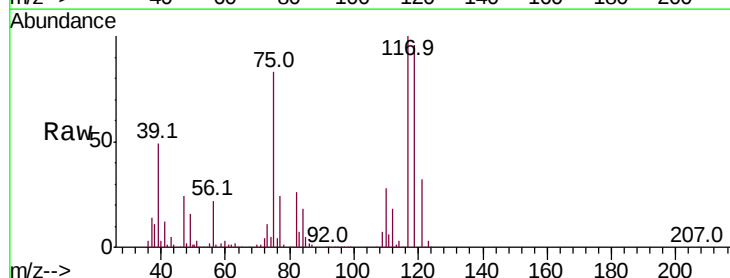
Instrument :
MSVOA_W
ClientSampled :

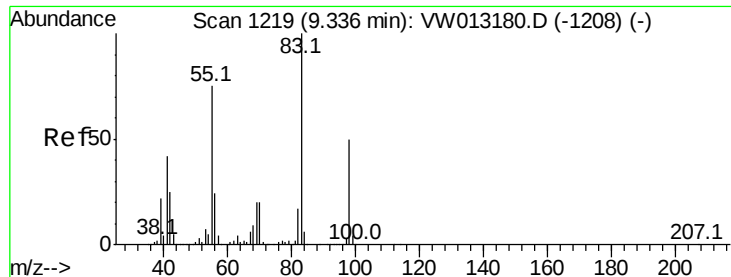
Tot Ion: 43 Resp: 95706
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 10.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 48.215 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 117 Resp: 229771
Ion Ratio Lower Upper
117 100
119 96.3 73.5 110.3
121 32.3 25.0 37.6

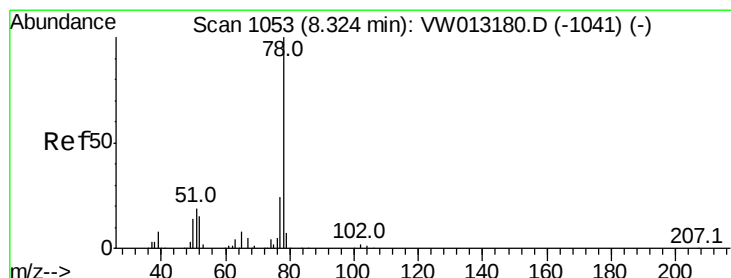
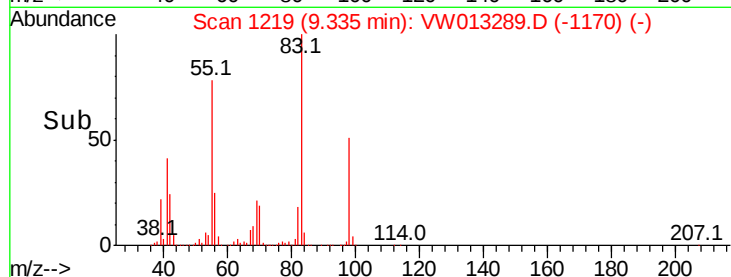
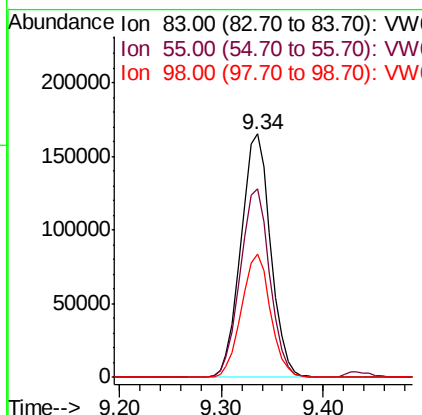
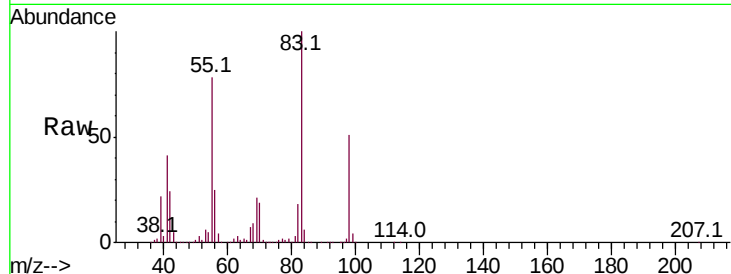




#39
Methvlcvclohexane
Concen: 49.017 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

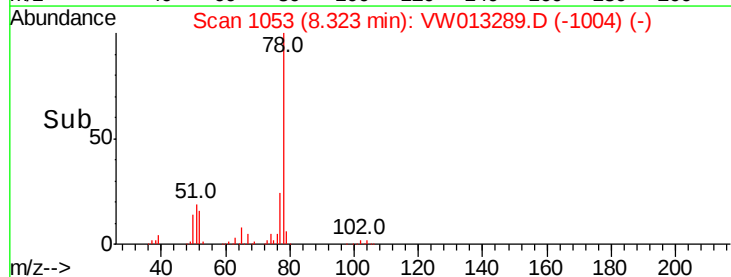
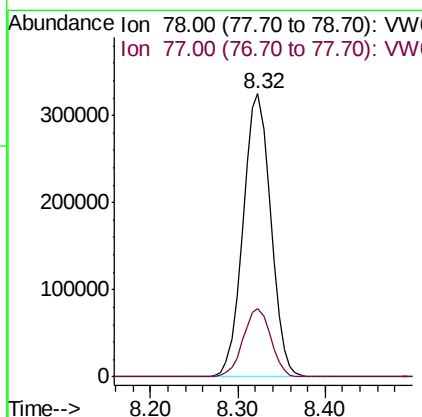
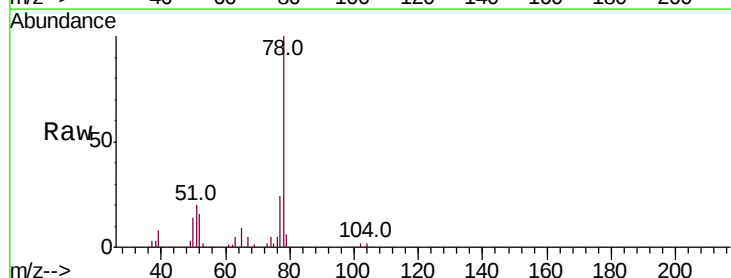
Instrument :
MSVOA_W
ClientSampleId :

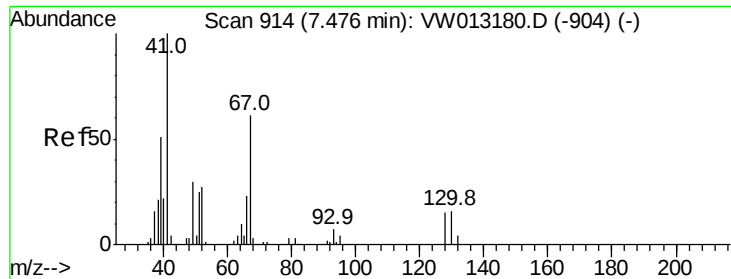
Tot Ion: 83 Resp: 334871
Ion Ratio Lower Upper
83 100
55 77.7 60.4 90.6
98 50.6 40.0 60.0



#40
Benzene
Concen: 48.156 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 78 Resp: 714061
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

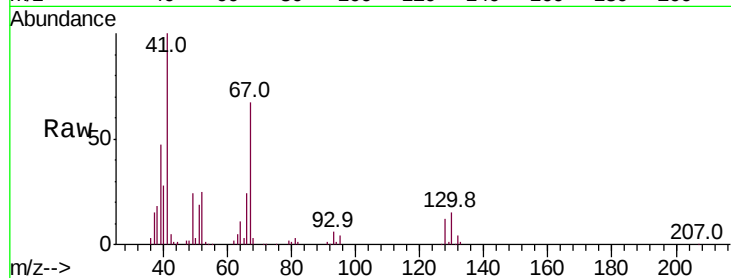




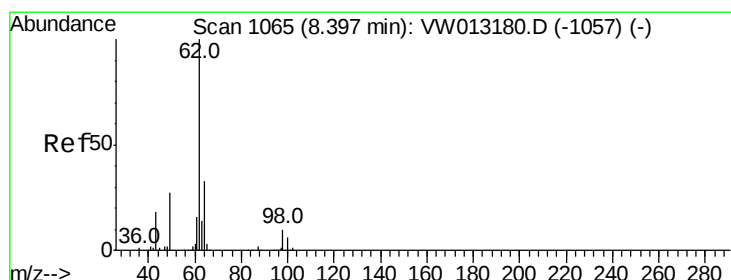
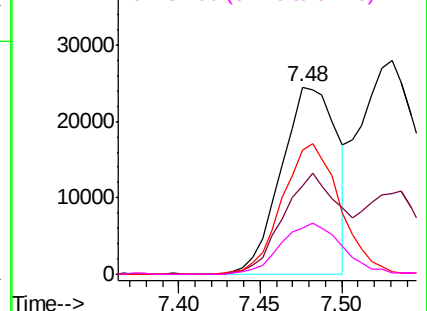
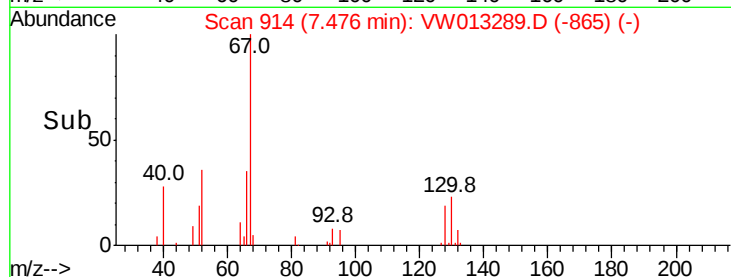
#41
Methacrylonitrile
Concen: 43.337 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	58438
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.9	68.9
67	72.6	54.5	81.7
52	29.9	22.5	33.7

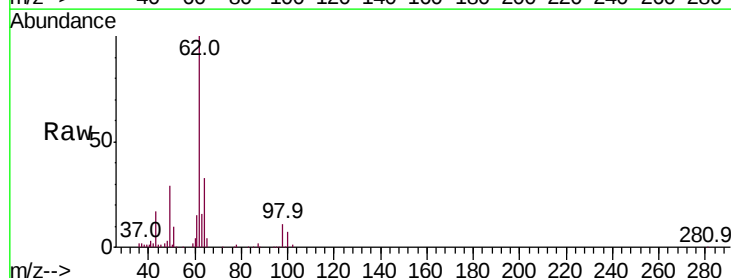


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

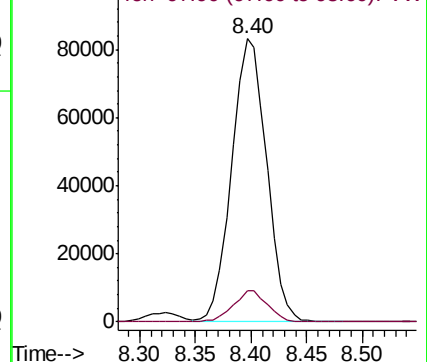
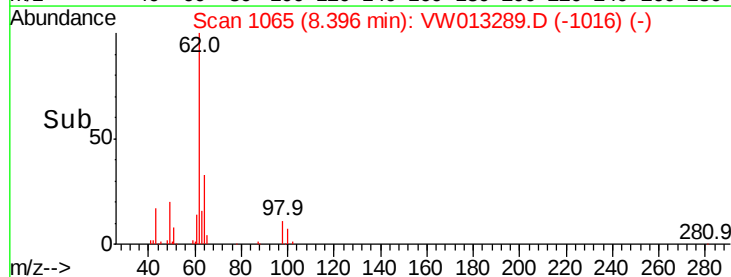


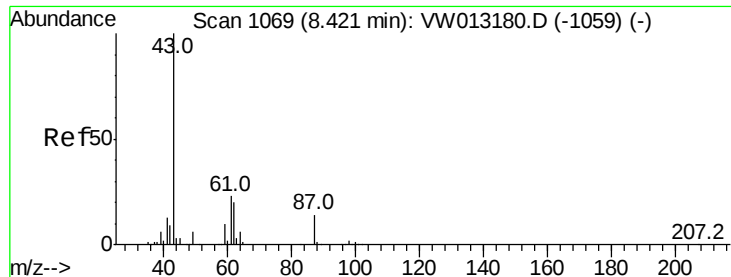
#42
1,2-Dichloroethane
Concen: 45.294 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:	62	Resp:	180548
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 43.860 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

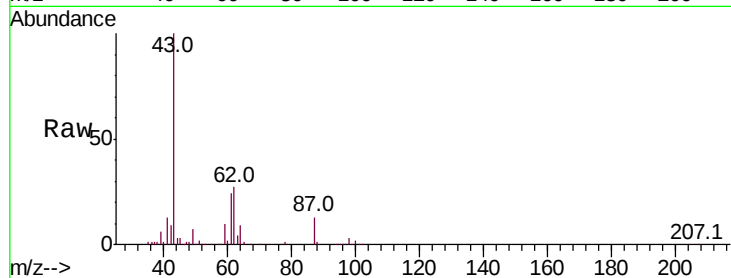
Tot Ion: 43 Resp: 189924

Ion Ratio Lower Upper

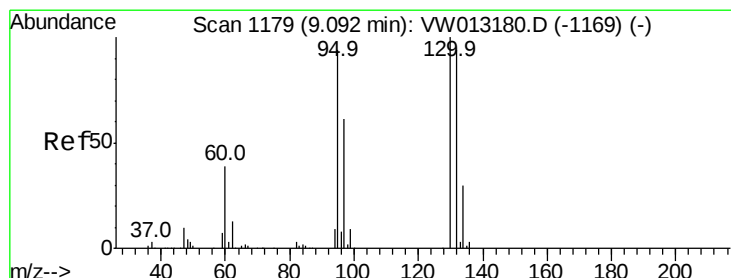
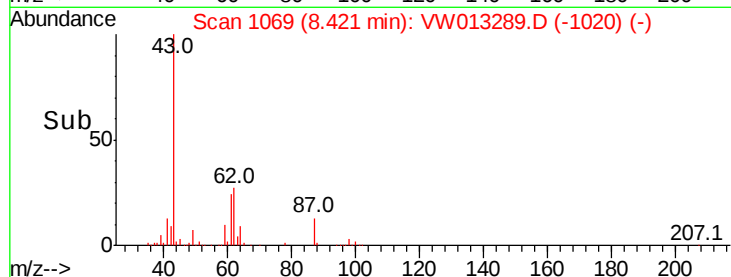
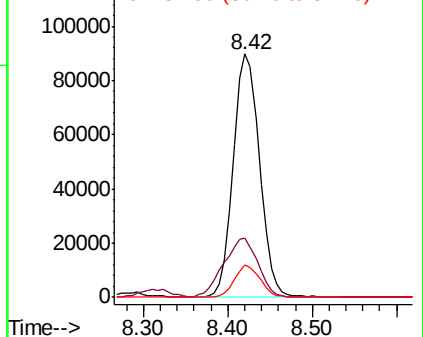
43 100

61 31.9 25.5 38.3

87 12.9 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW
120000 Ion 61.00 (60.70 to 61.70): VW
100000 Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 47.784 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013289.D

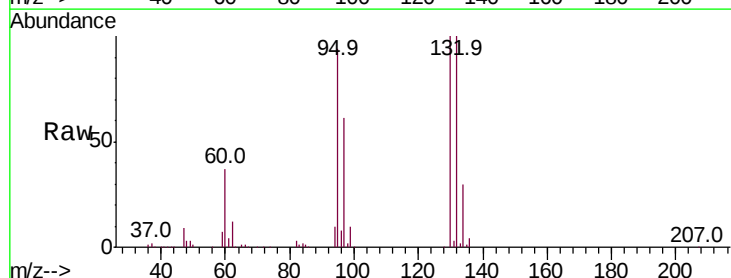
Acq: 25 Sep 2019 10:02

Tgt Ion: 130 Resp: 198799

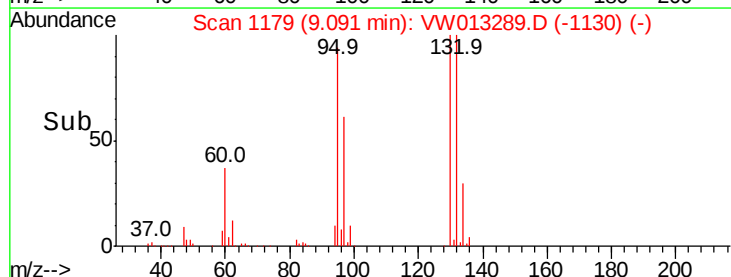
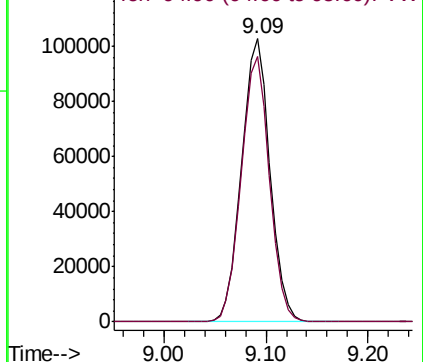
Ion Ratio Lower Upper

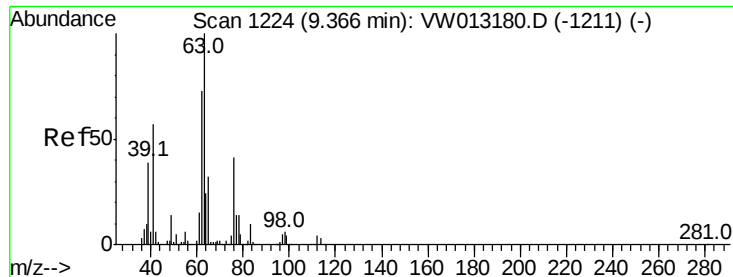
130 100

95 93.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
120000 Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 48.028 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

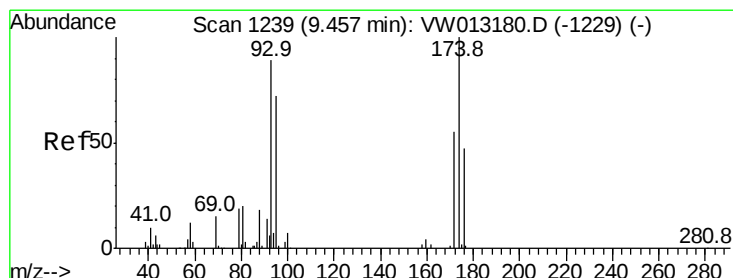
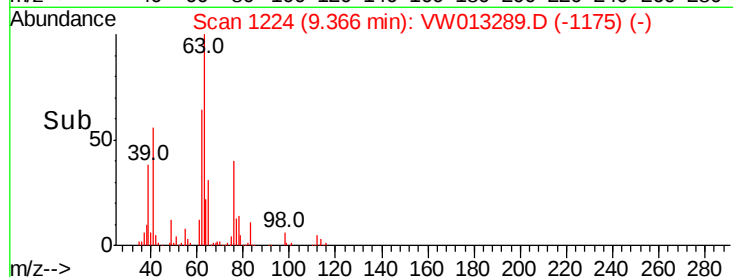
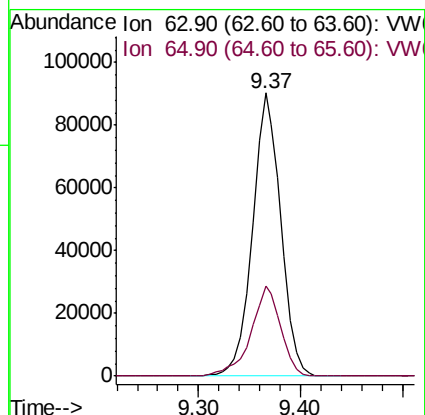
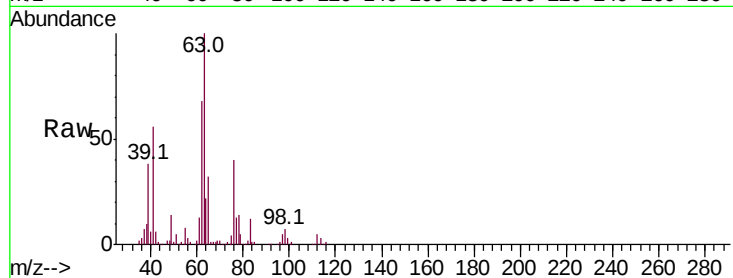
ClientSampled :

Tot Ion: 63 Resp: 173869

Ion Ratio Lower Upper

63 100

65 31.7 25.3 37.9



#46

Dibromomethane

Concen: 46.088 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

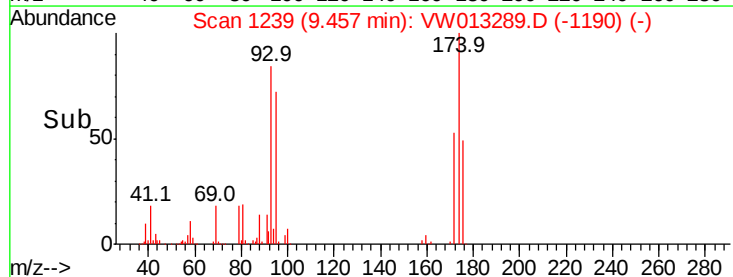
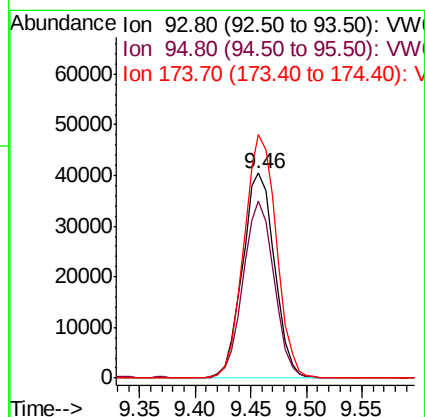
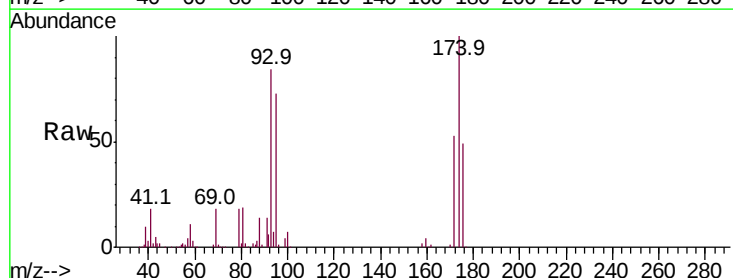
Tgt Ion: 93 Resp: 81003

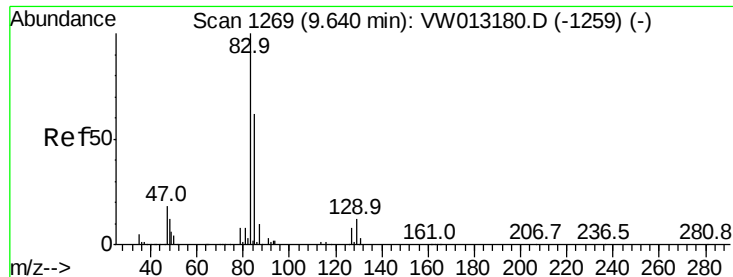
Ion Ratio Lower Upper

93 100

95 83.6 66.4 99.6

174 119.9 93.0 139.6





#47

Bromodichloromethane

Concen: 47.669 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampled :

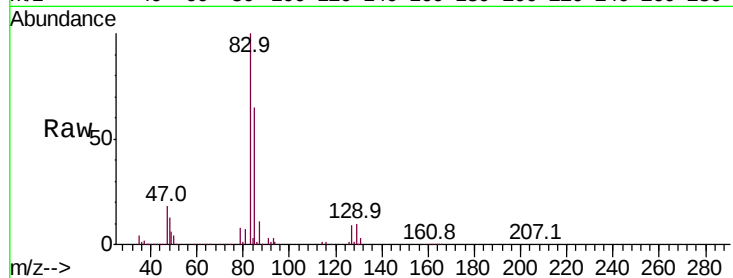
Tot Ion: 83 Resp: 213186

Ion Ratio Lower Upper

83 100

85 64.9 49.4 74.2

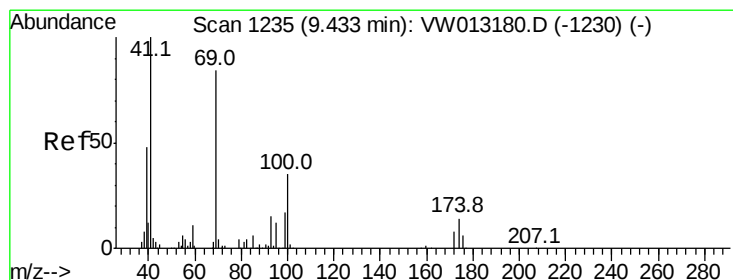
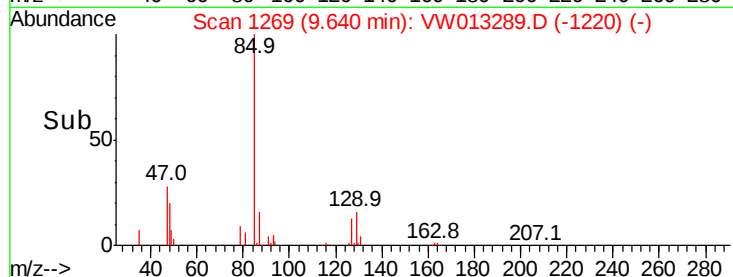
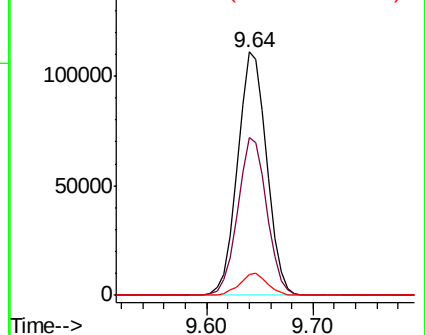
127 8.5 6.5 9.7



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): VW



#48

Methyl methacrylate

Concen: 47.276 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

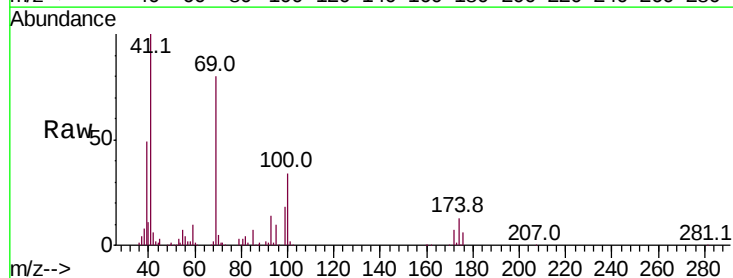
Tgt Ion: 41 Resp: 96263

Ion Ratio Lower Upper

41 100

69 82.7 69.7 104.5

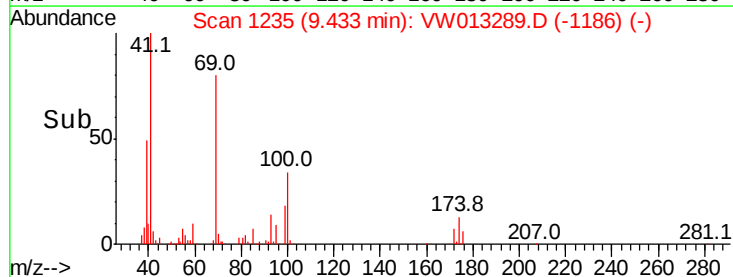
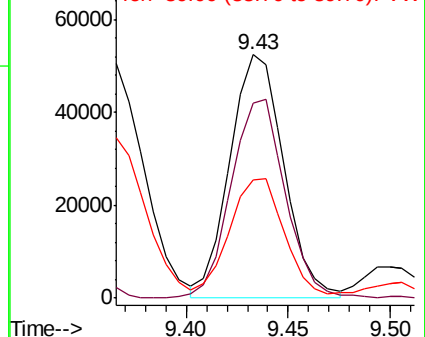
39 46.9 41.1 61.7

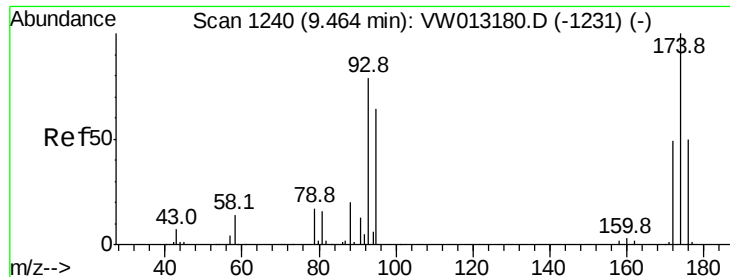


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

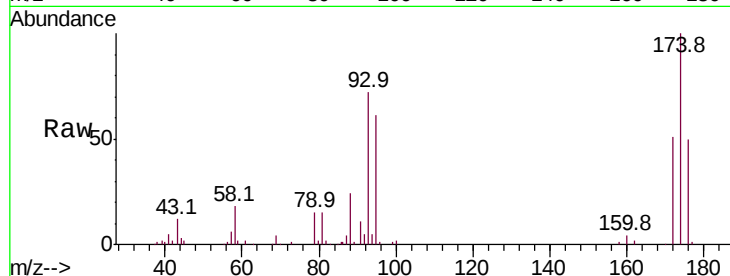




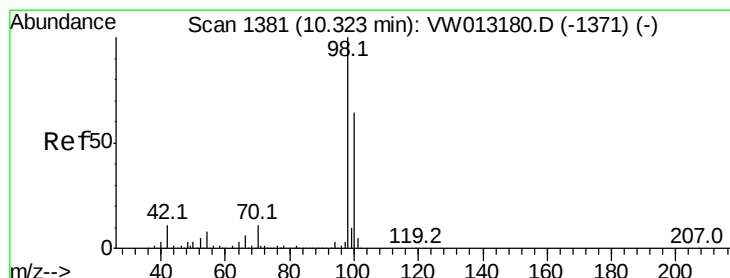
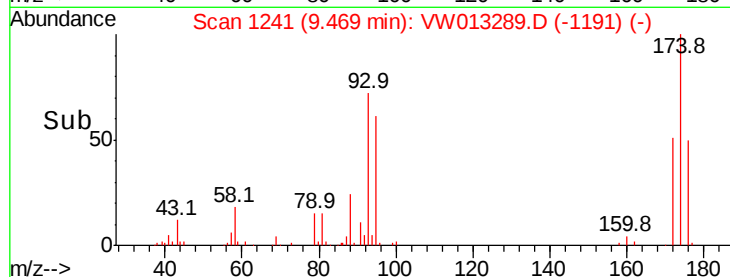
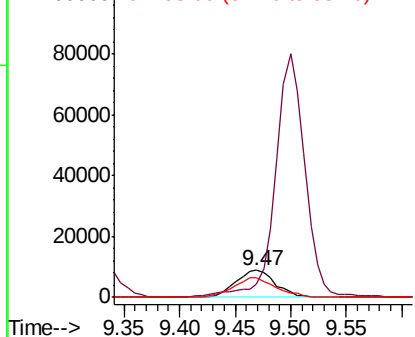
#49
1,4-Dioxane
Concen: 833.999 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 22003
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 78.9 65.4 98.0

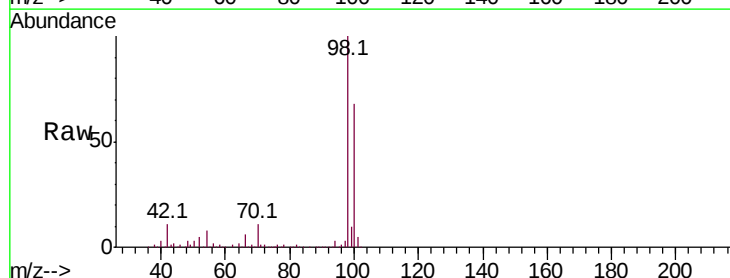


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

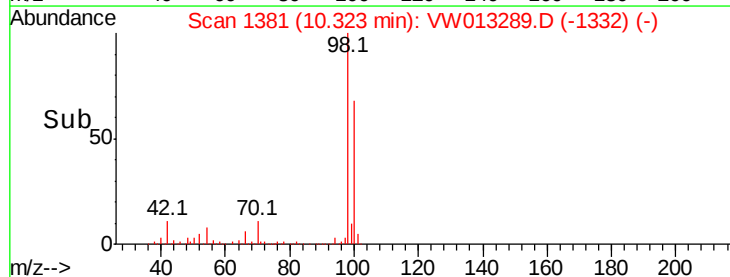
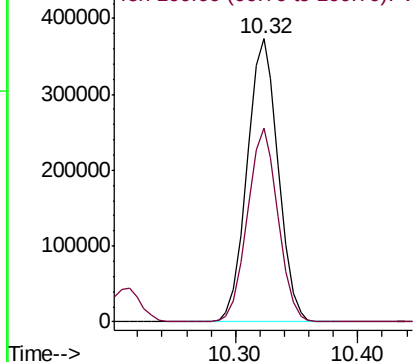


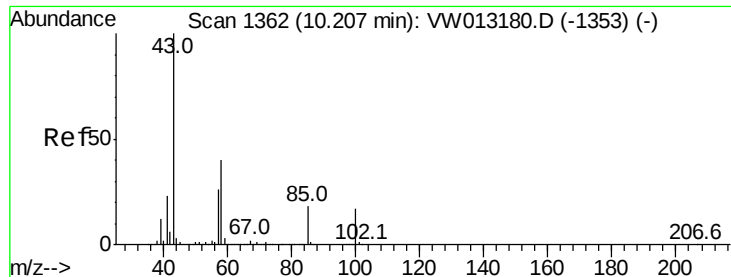
#50
Toluene-d8
Concen: 52.132 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 98 Resp: 658625
Ion Ratio Lower Upper
98 100
100 67.4 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 215.237 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

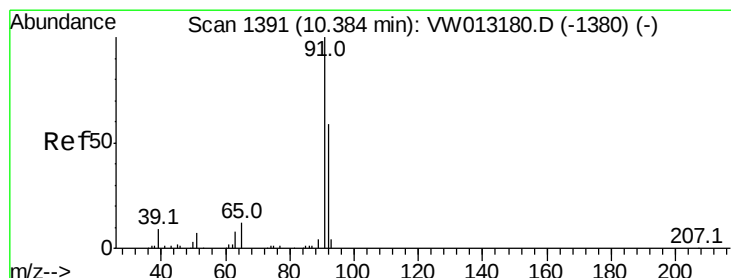
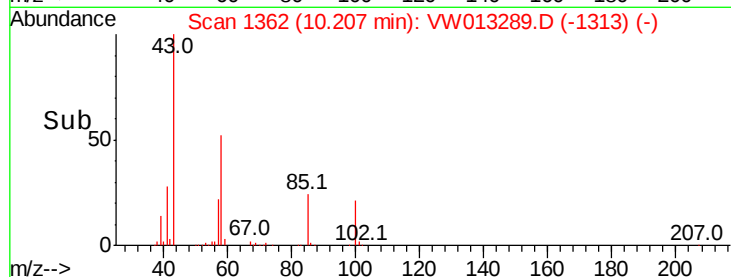
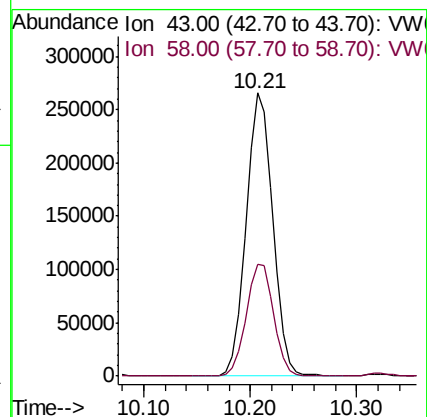
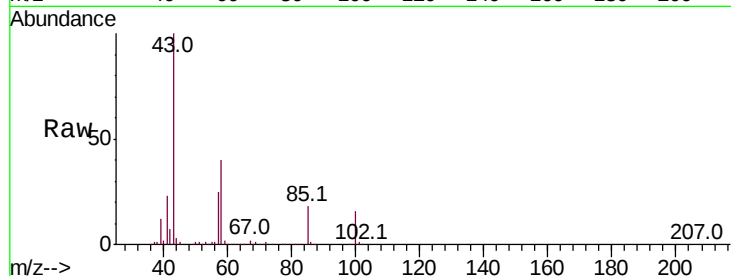
ClientSampled :

Tot Ion: 43 Resp: 467245

Ion Ratio Lower Upper

43 100

58 40.6 31.7 47.5



#52

Toluene

Concen: 48.808 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013289.D

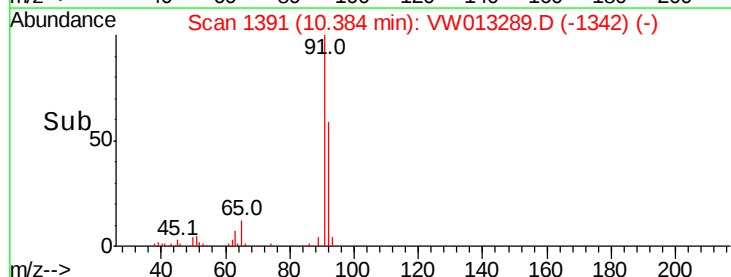
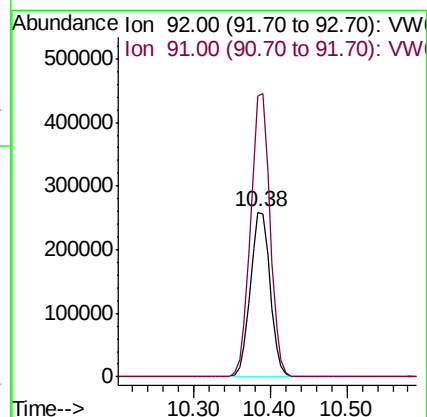
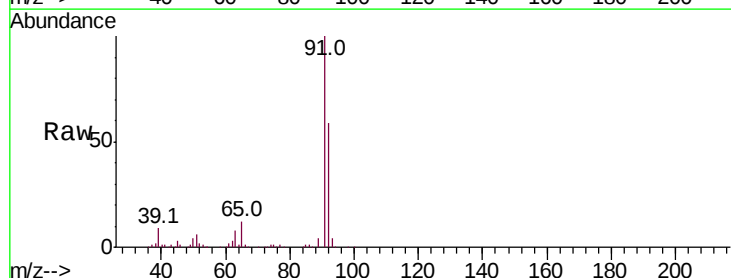
Acq: 25 Sep 2019 10:02

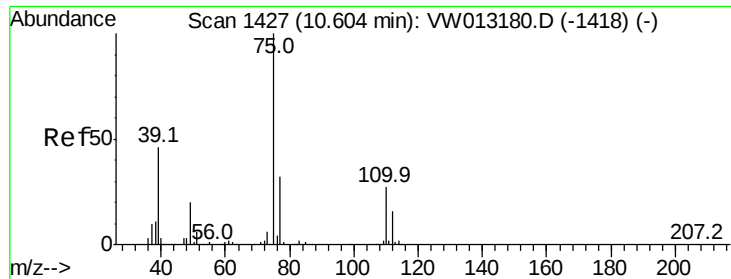
Tgt Ion: 92 Resp: 463832

Ion Ratio Lower Upper

92 100

91 169.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 48.494 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

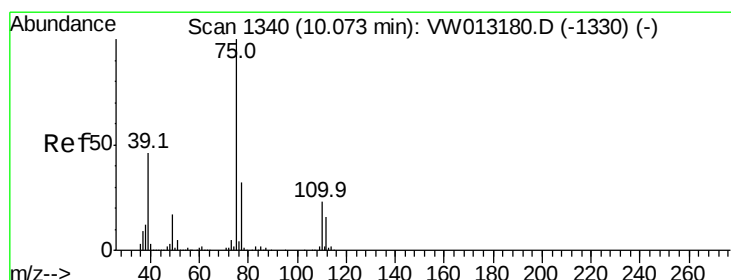
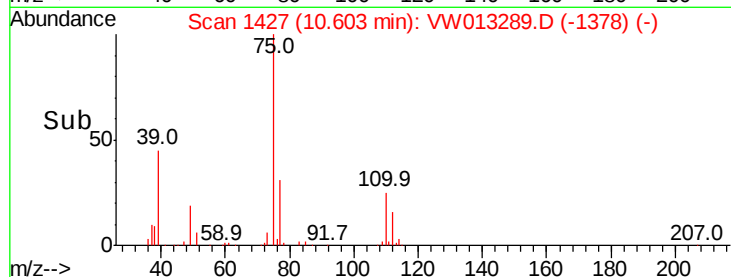
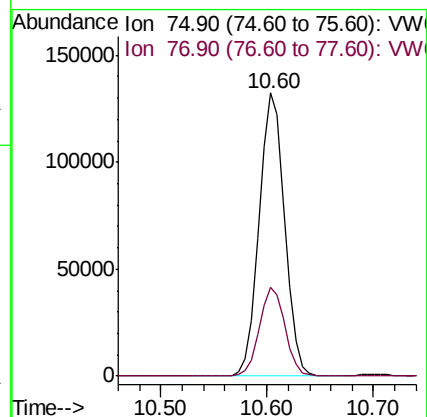
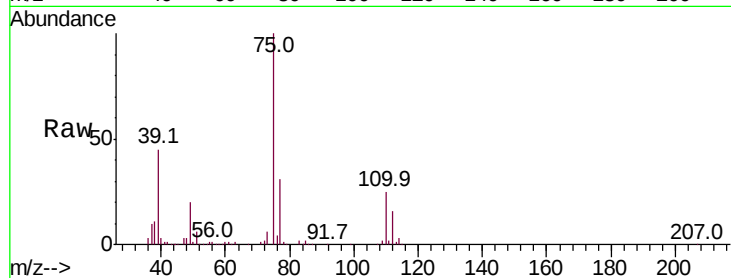
ClientSampled :

Tot Ion: 75 Resp: 222821

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.469 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

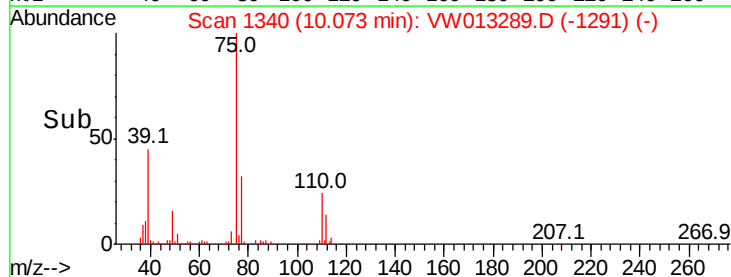
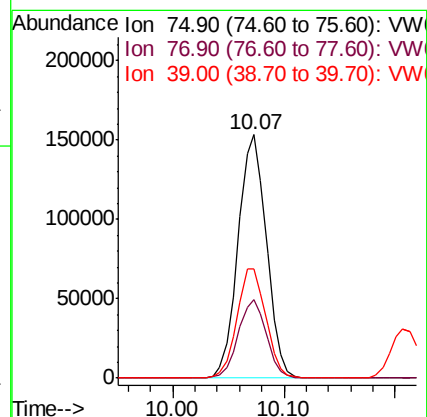
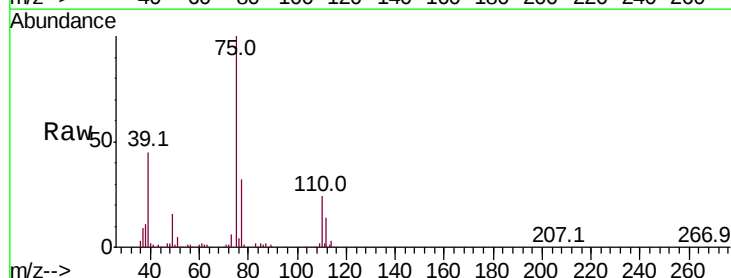
Tgt Ion: 75 Resp: 270780

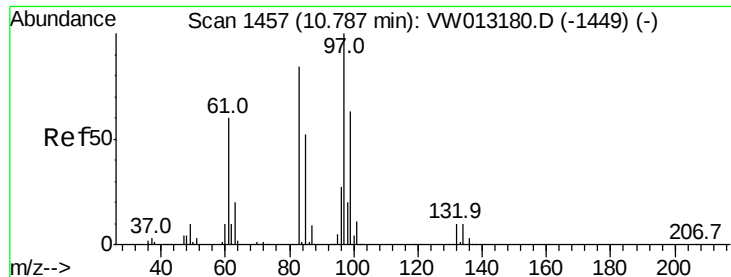
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 44.7 36.6 55.0

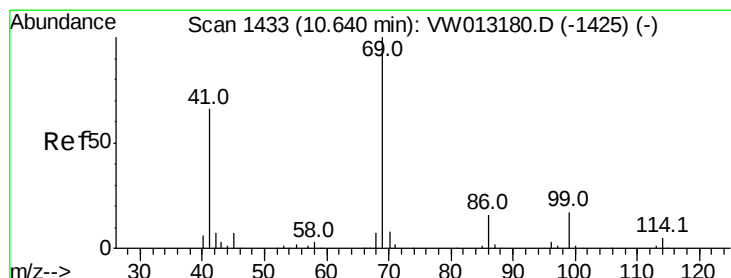
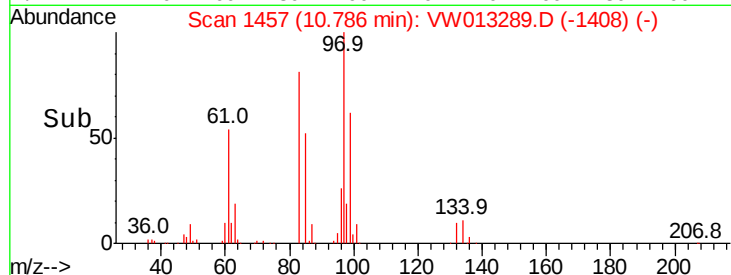
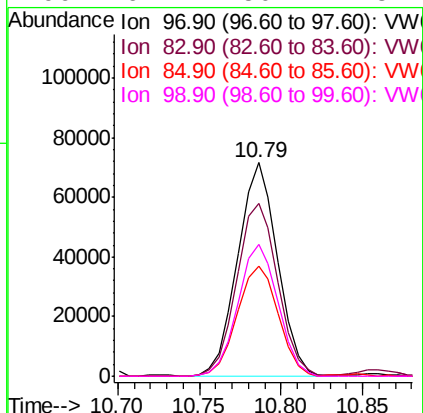
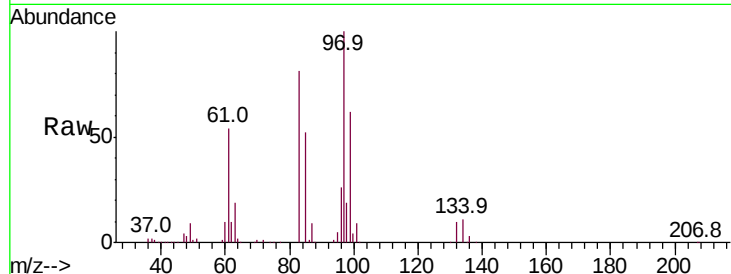




#55
1,1,2-Trichloroethane
Concen: 46.382 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

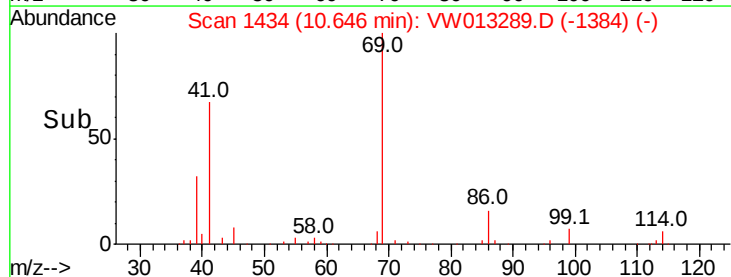
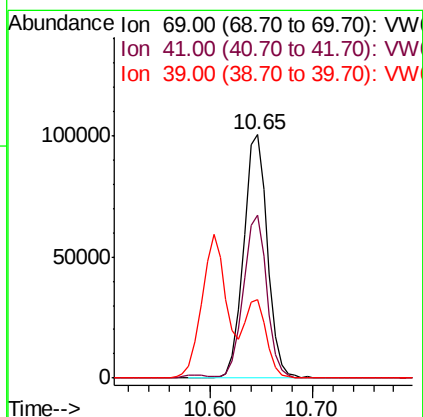
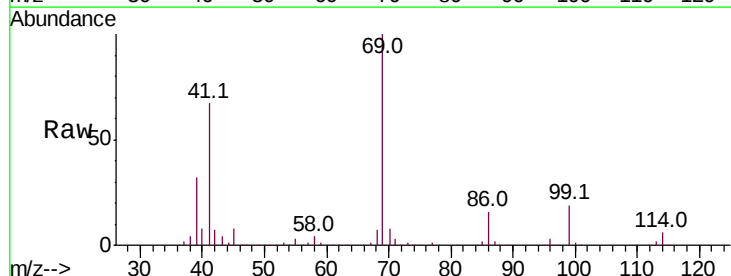
Instrument :
MSVOA_W
ClientSampleId :

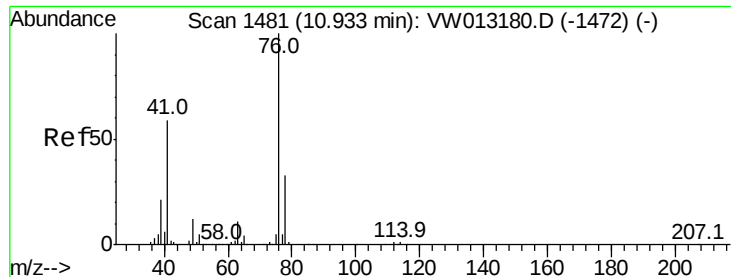
Tot Ion	Ratio	Lower	Upper
97	100		
83	80.9	67.6	101.4
85	51.7	41.9	62.9
99	61.7	50.1	75.1



#56
Ethyl methacrylate
Concen: 47.237 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.9	80.9
39	29.1	23.8	35.6





#57

1,3-Dichloropropane

Concen: 47.094 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

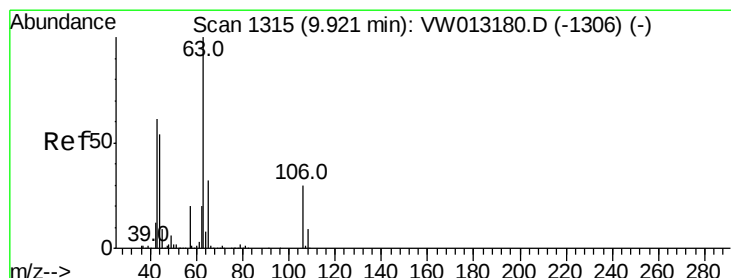
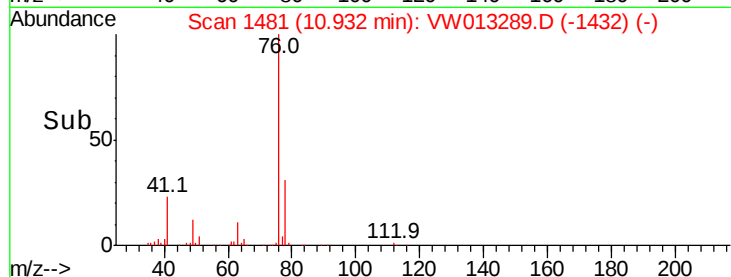
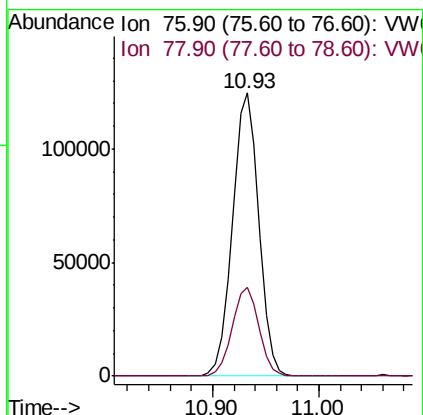
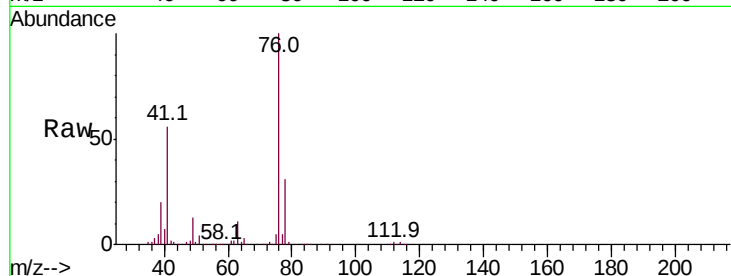
ClientSampled :

Tot Ion: 76 Resp: 215894

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 239.238 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013289.D

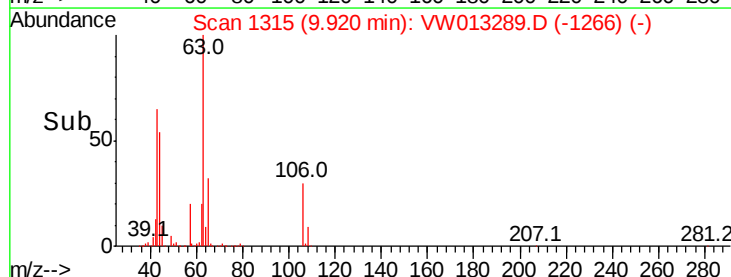
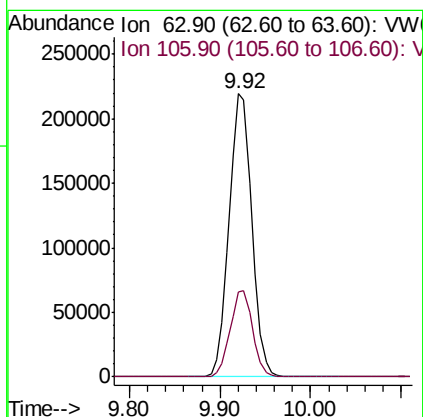
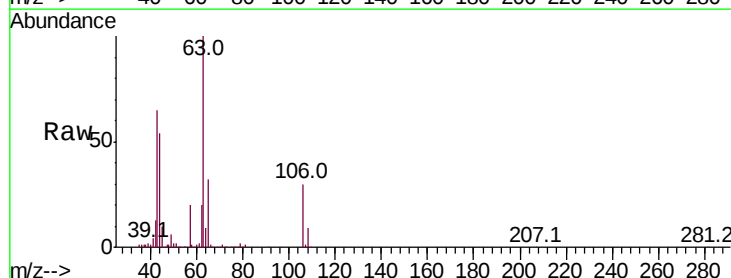
Acq: 25 Sep 2019 10:02

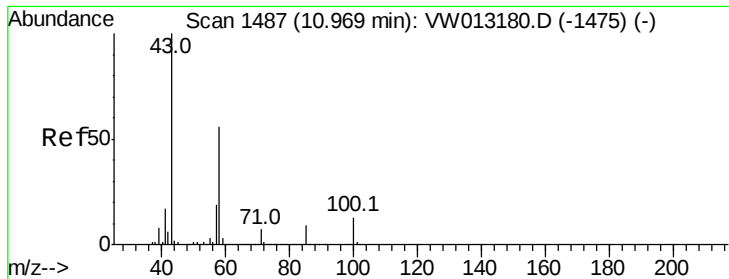
Tgt Ion: 63 Resp: 380779

Ion Ratio Lower Upper

63 100

106 30.2 23.4 35.0

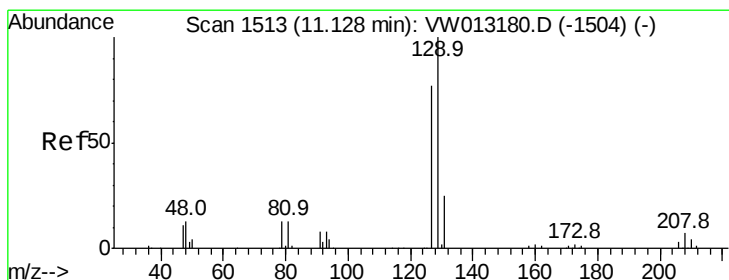
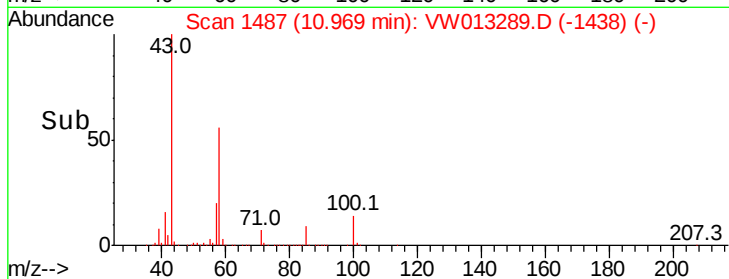
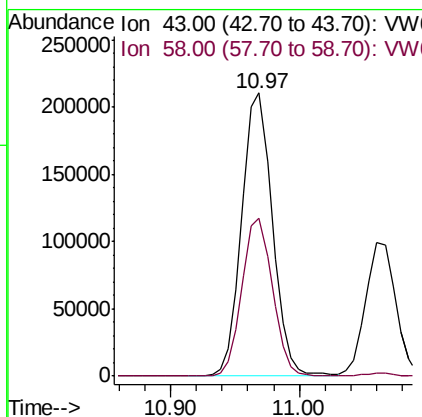
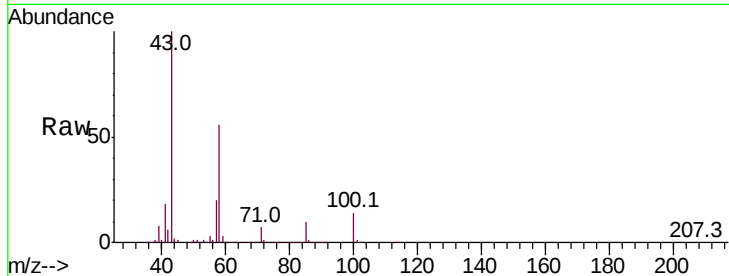




#59
2-Hexanone
Concen: 232.566 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

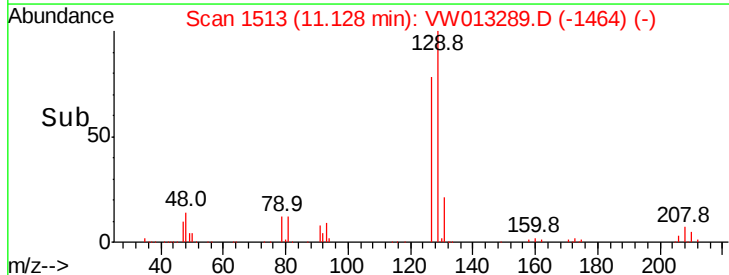
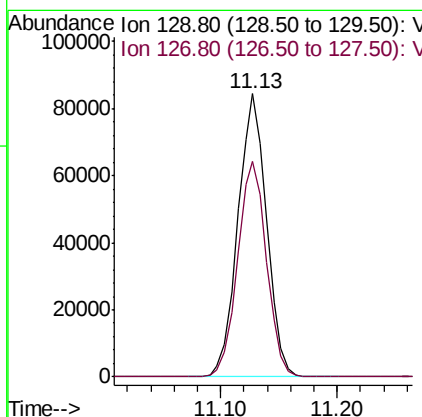
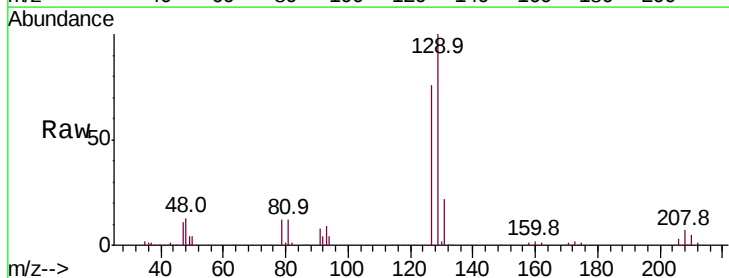
Instrument :
MSVOA_W
ClientSampled :

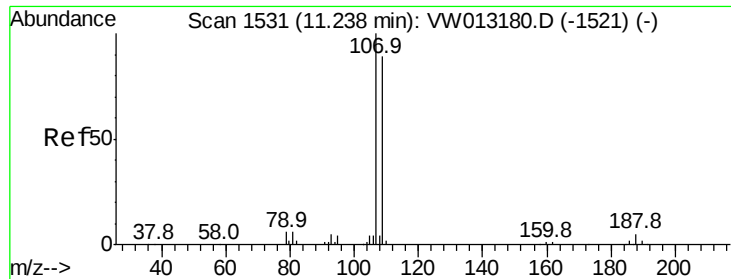
Tot Ion: 43 Resp: 347344
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.2



#60
Dibromochloromethane
Concen: 48.423 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 129 Resp: 144444
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.4

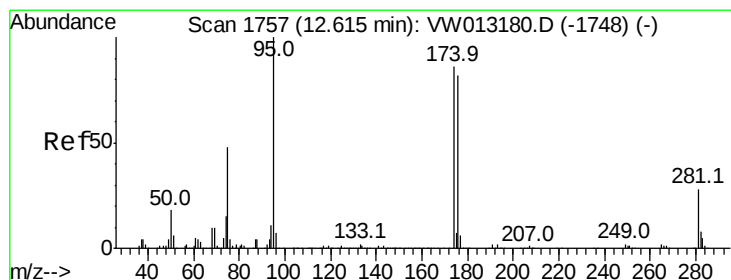
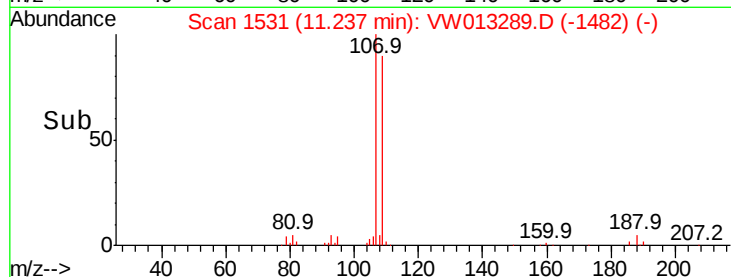
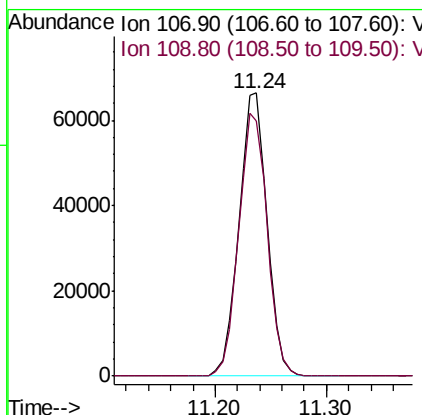
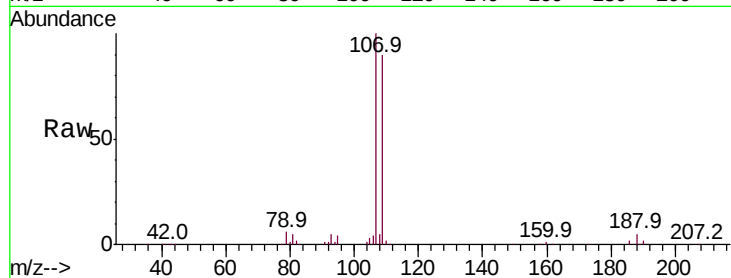




#61
 1,2-Dibromoethane
 Concen: 46.458 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

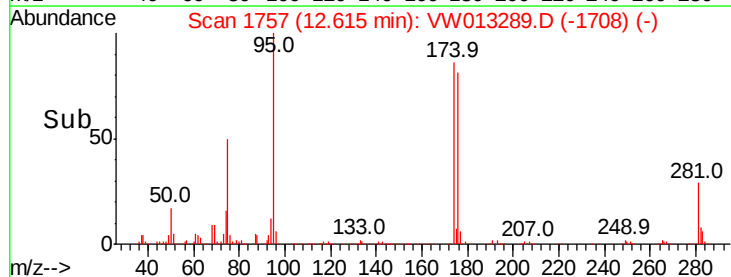
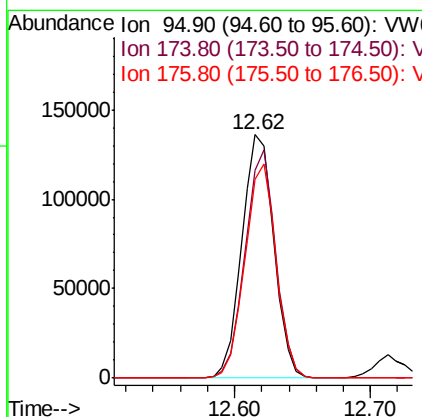
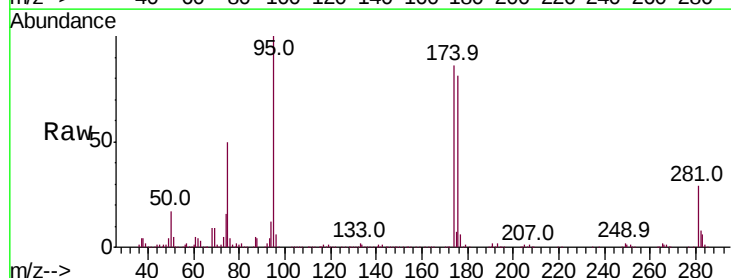
Instrument :
 MSVOA_W
 ClientSampleId :

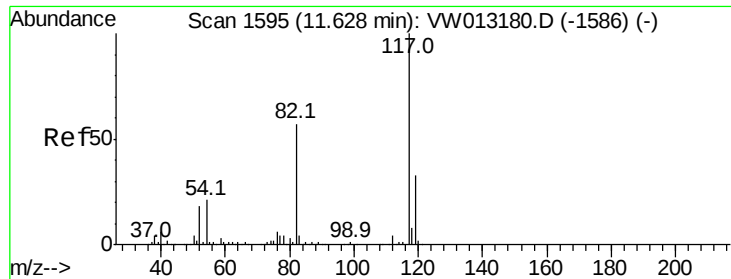
Tot Ion:107 Resp: 116042
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.967 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion: 95 Resp: 224269
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 178.4
 176 86.0 0.0 172.2

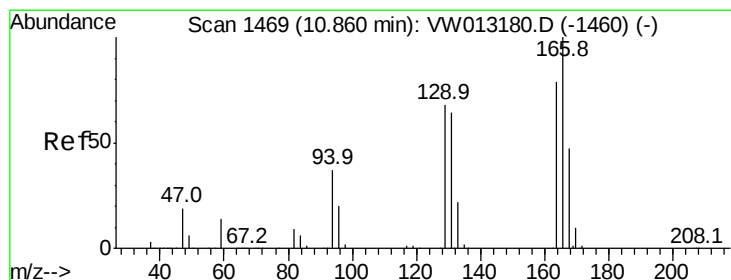
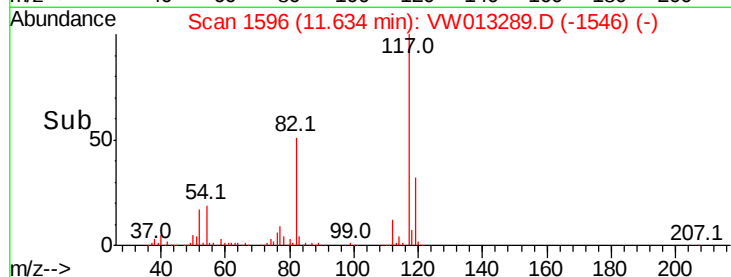
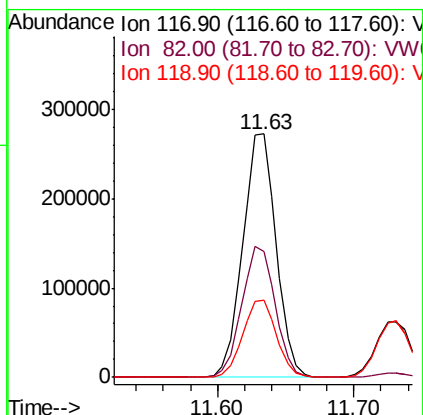
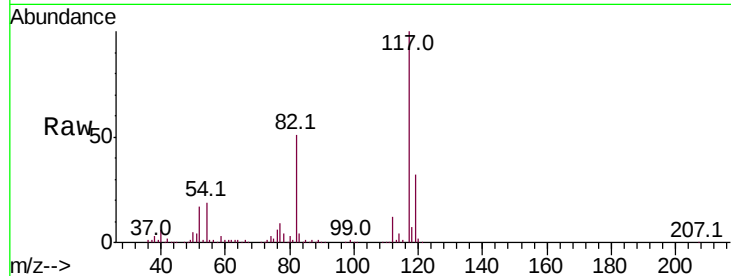




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

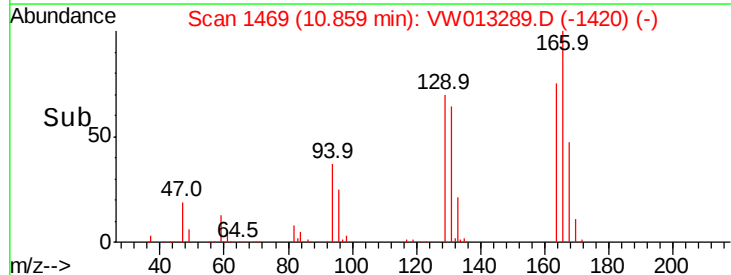
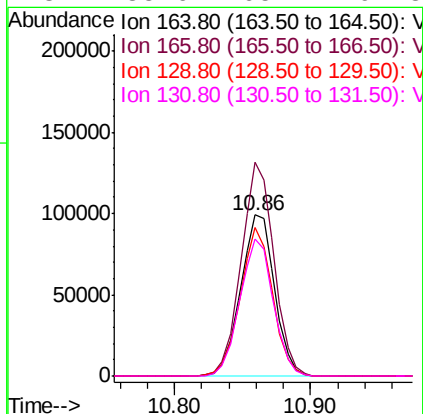
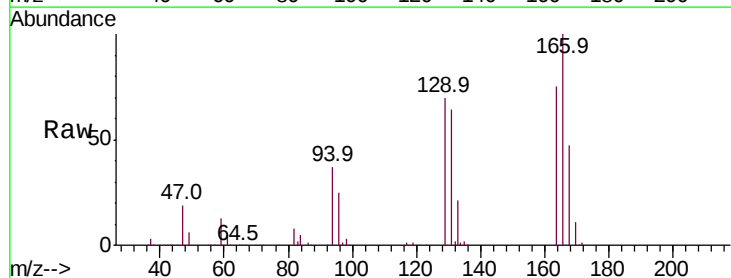
Instrument :
MSVOA_W
ClientSampled :

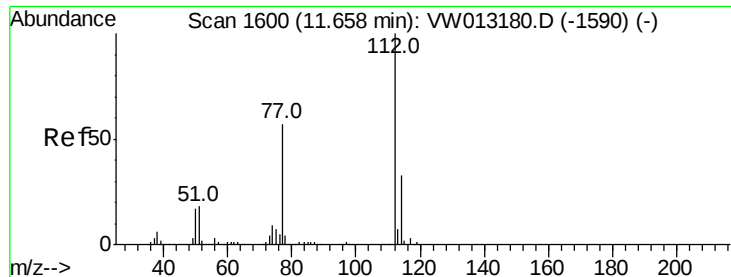
Tot Ion:117 Resp: 467946
Ion Ratio Lower Upper
117 100
82 51.5 45.9 68.9
119 31.9 26.2 39.2



#64
Tetrachloroethene
Concen: 48.406 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:164 Resp: 171864
Ion Ratio Lower Upper
164 100
166 132.9 101.2 151.8
129 92.8 68.8 103.2
131 85.6 65.2 97.8

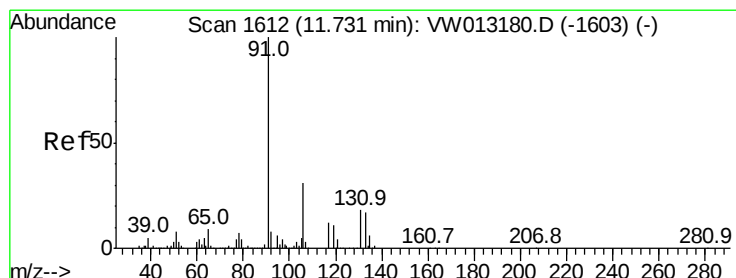
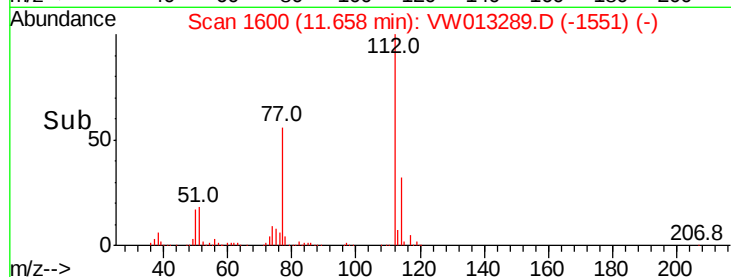
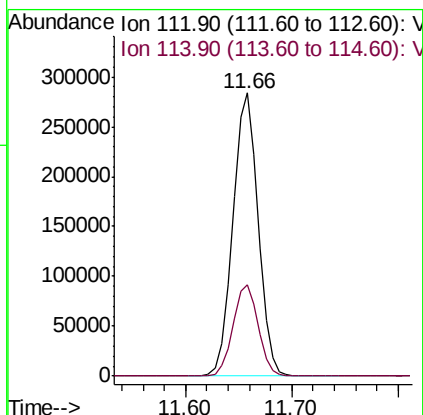
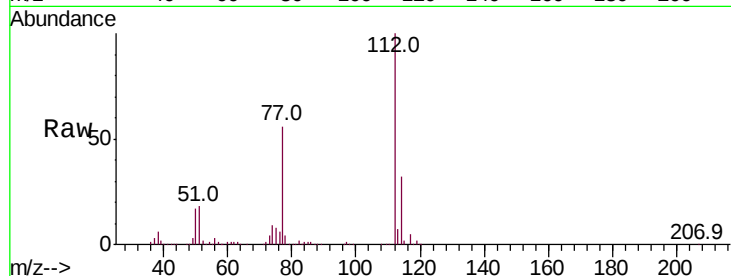




#65
Chlorobenzene
Concen: 48.231 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

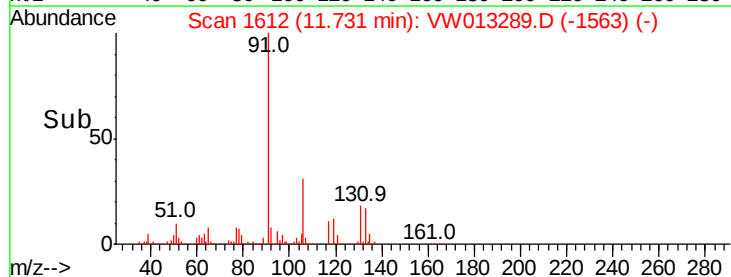
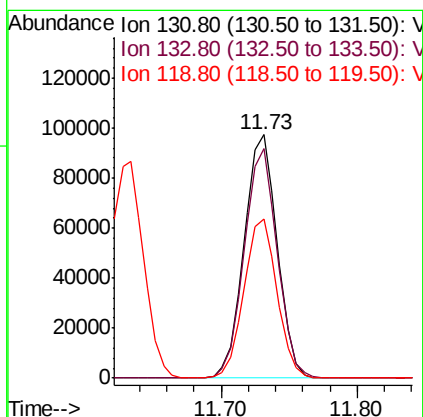
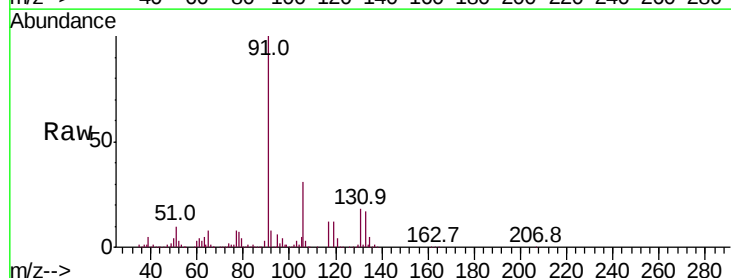
Instrument :
MSVOA_W
ClientSampleId :

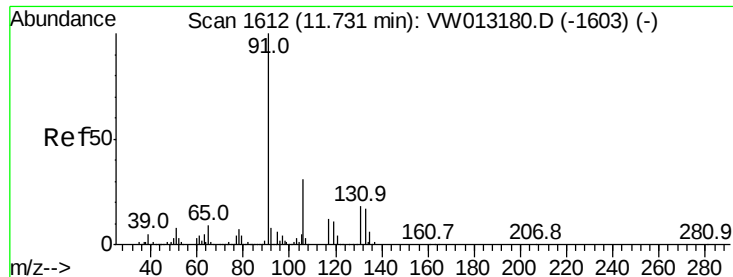
Tot Ion:112 Resp: 471296
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.628 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:131 Resp: 165674
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.4 32.5 97.5





#67

Ethyl Benzene

Concen: 49.547 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

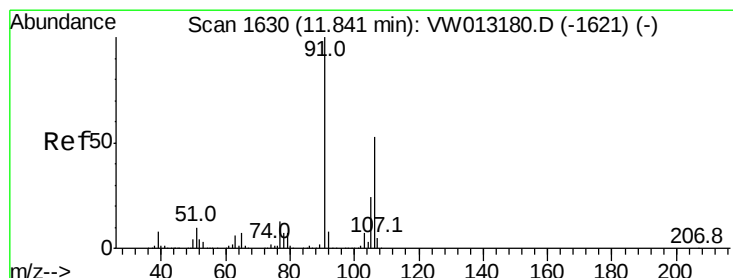
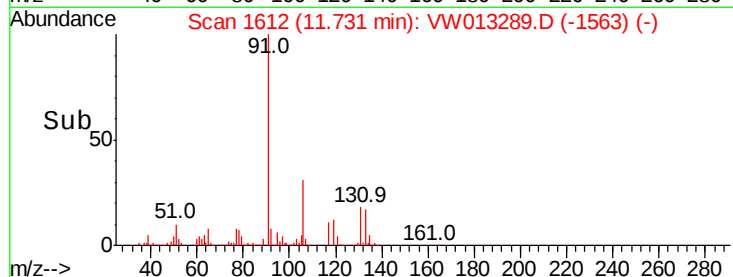
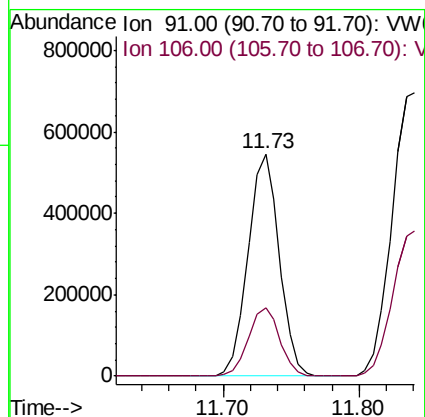
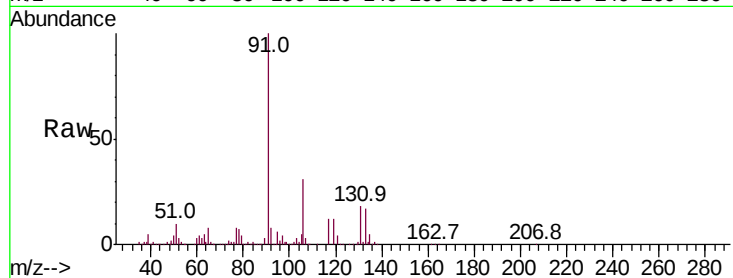
ClientSampleId :

Tot Ion: 91 Resp: 877236

Ion Ratio Lower Upper

91 100

106 30.9 24.9 37.3



#68

m/p-Xylenes

Concen: 99.250 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013289.D

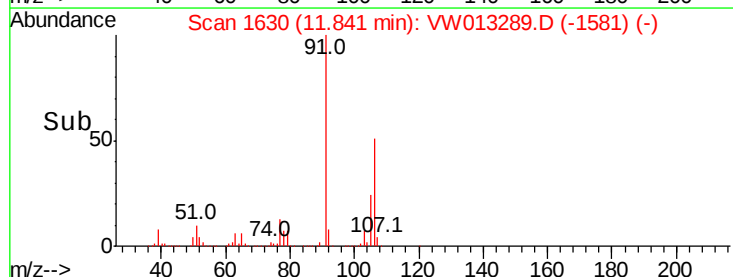
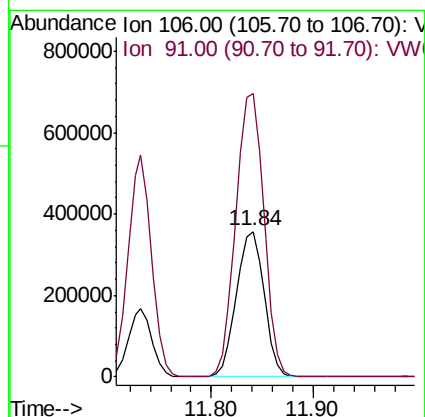
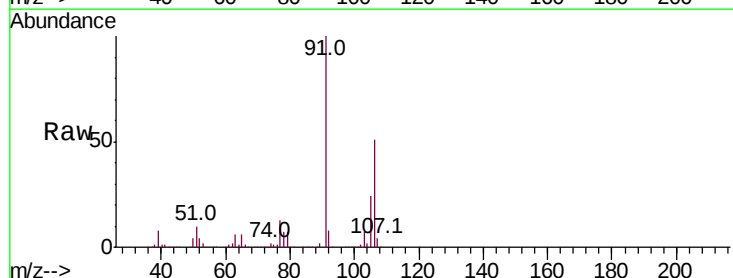
Acq: 25 Sep 2019 10:02

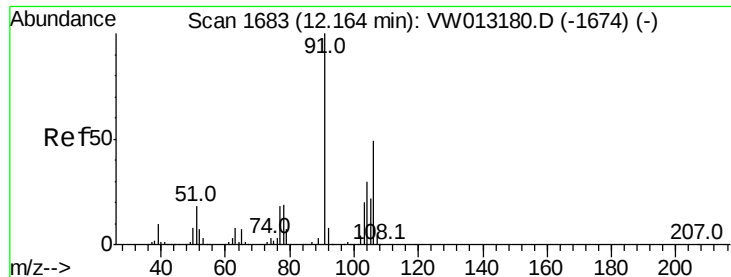
Tgt Ion:106 Resp: 669619

Ion Ratio Lower Upper

106 100

91 197.8 157.9 236.9

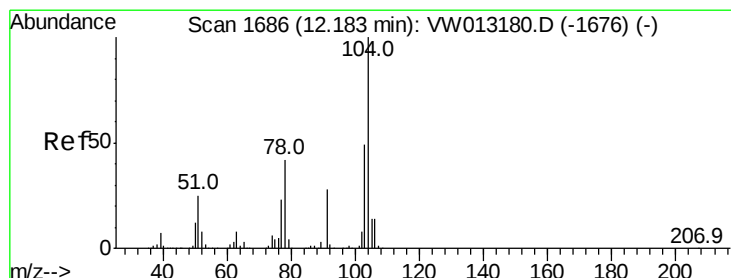
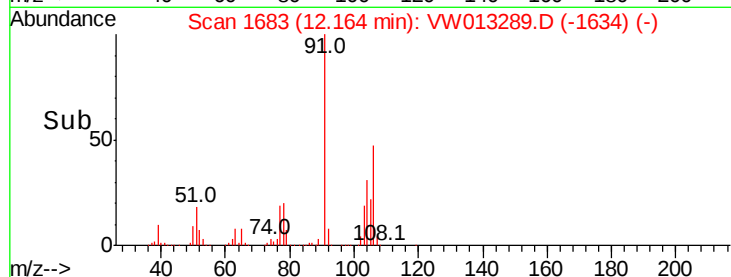
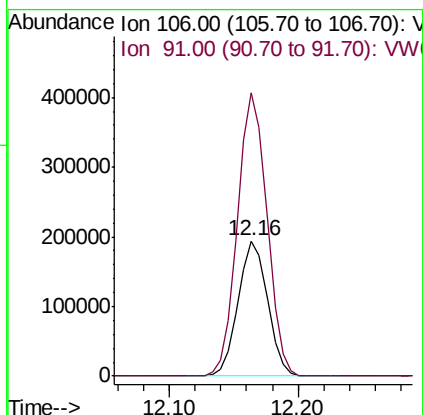
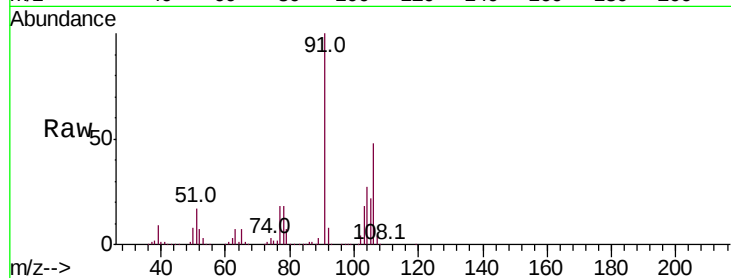




#69
o-Xylene
Concen: 49.018 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

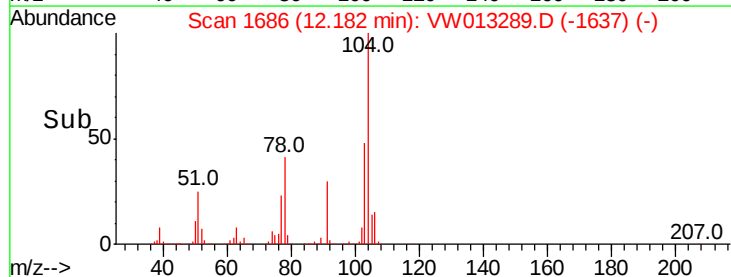
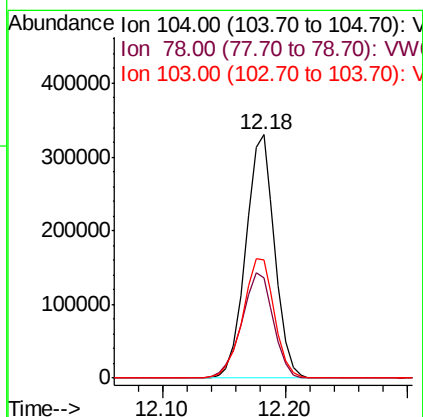
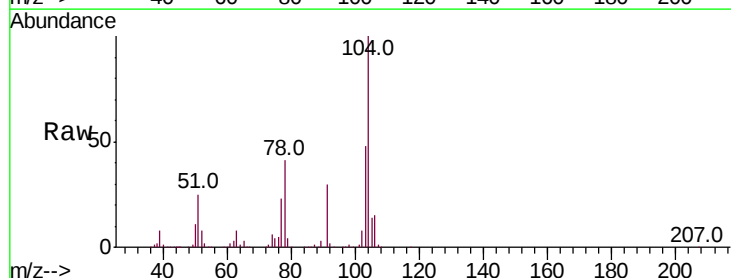
Instrument :
MSVOA_W
ClientSampled :

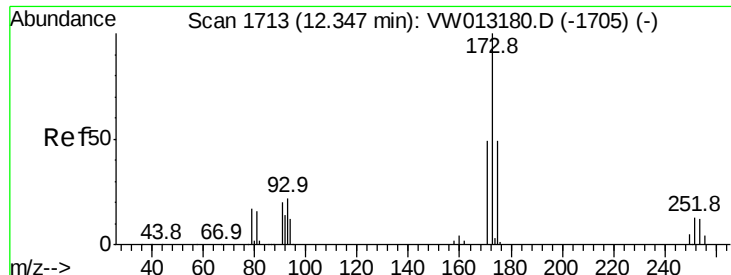
Tot Ion:106 Resp: 307472
Ion Ratio Lower Upper
106 100
91 210.4 106.5 319.5



#70
Styrene
Concen: 50.091 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:104 Resp: 539421
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 53.7 43.3 64.9

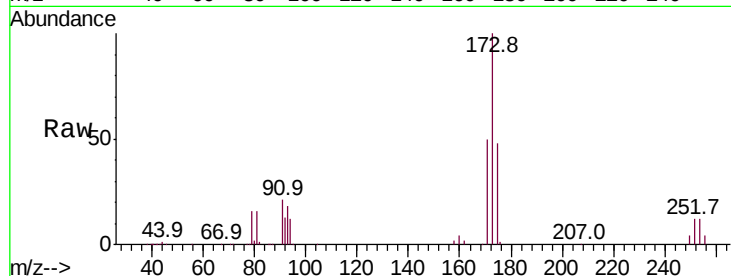




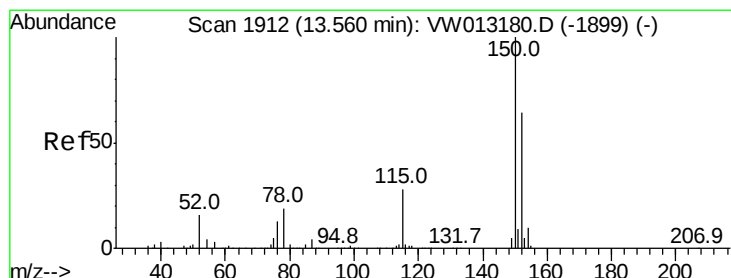
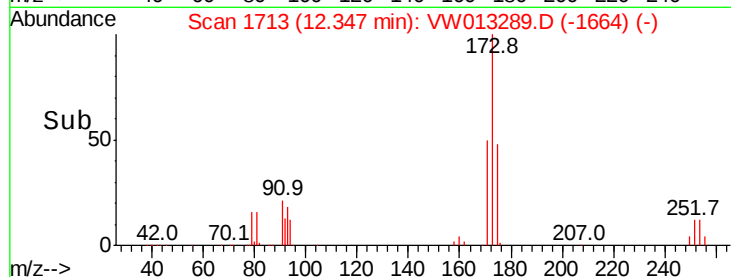
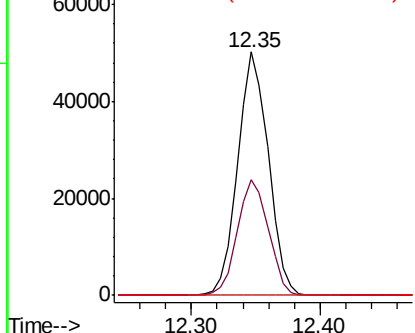
#71
Bromoform
Concen: 46.804 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 82546
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.0 0.1 0.1#

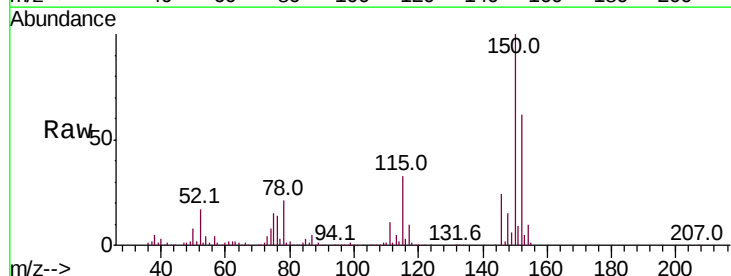


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

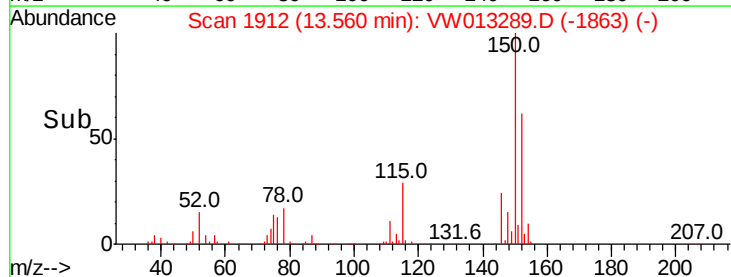
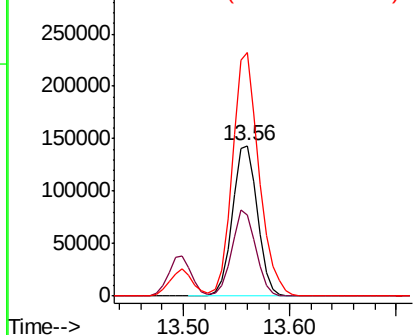


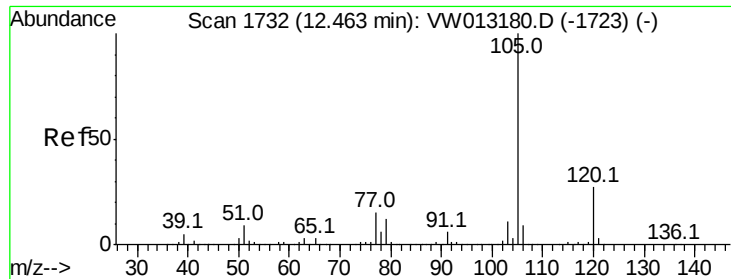
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:152 Resp: 235518
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 171.6 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: 49.773 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

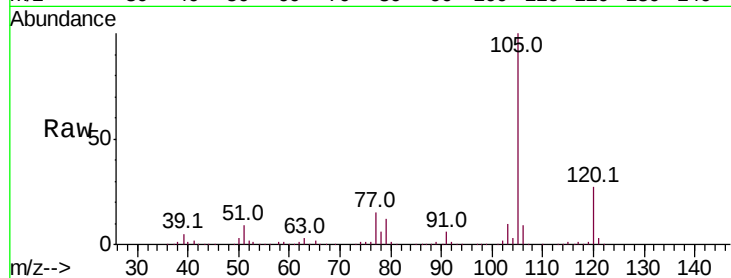
ClientSampled :

Tot Ion:105 Resp: 865943

Ion Ratio Lower Upper

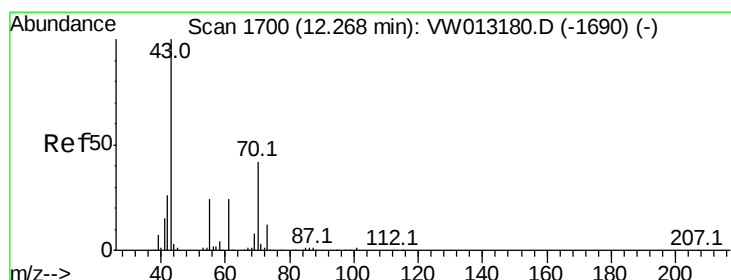
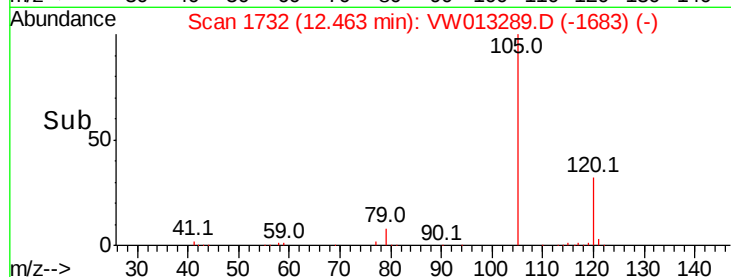
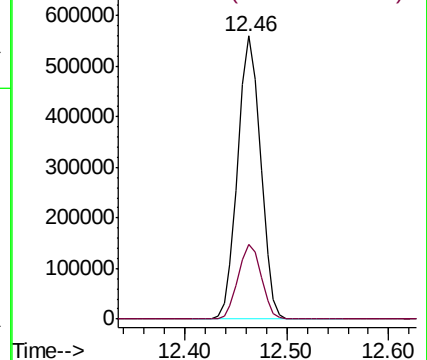
105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.425 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion: 43 Resp: 175368

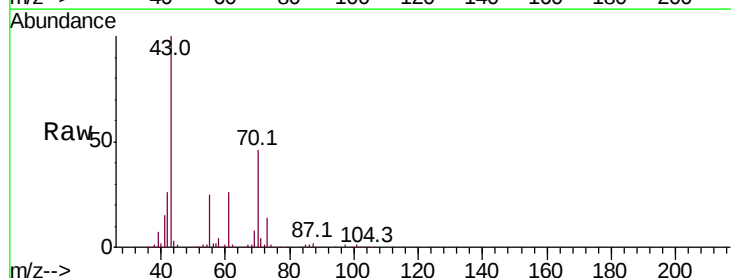
Ion Ratio Lower Upper

43 100

70 43.8 35.1 52.7

55 24.6 19.9 29.9

61 25.5 19.5 29.3

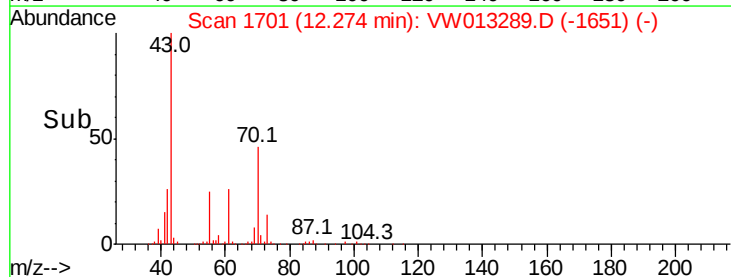
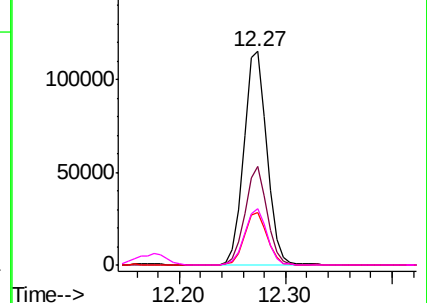


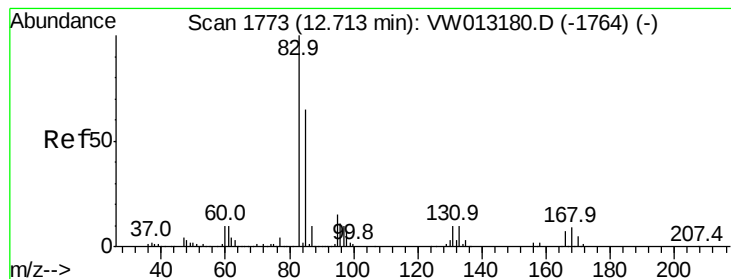
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 44.910 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampled :

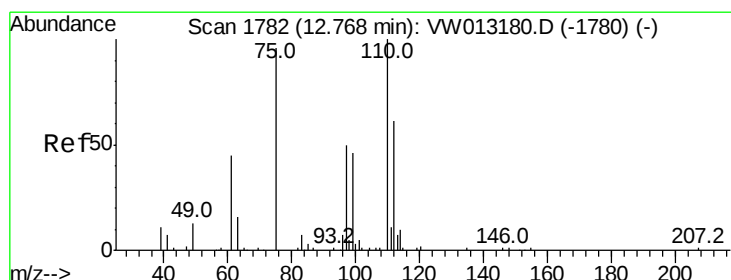
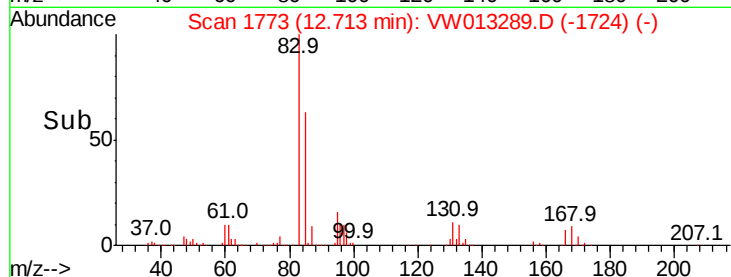
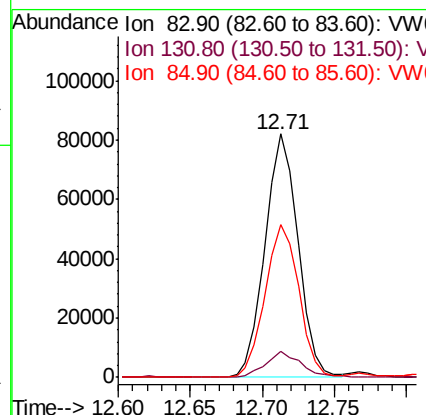
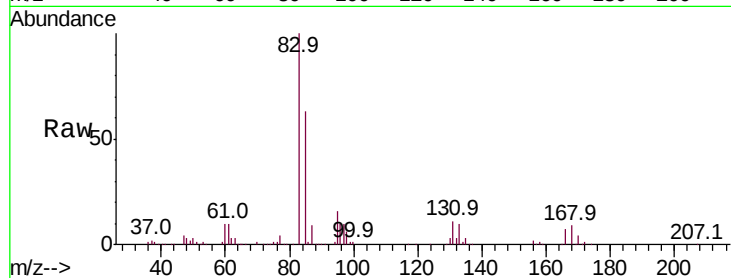
Tot Ion: 83 Resp: 130673

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 64.0 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 80.517 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013289.D

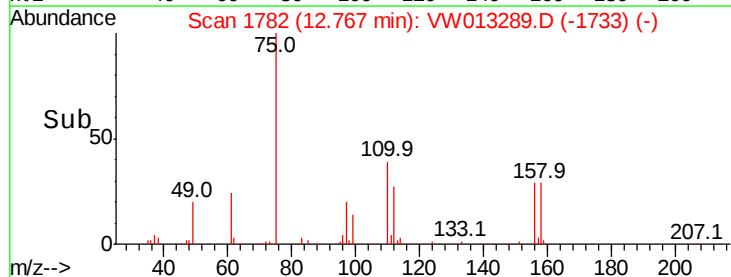
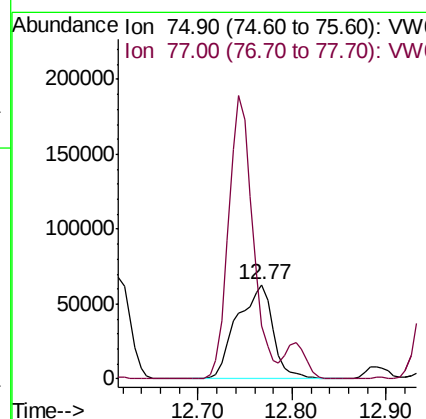
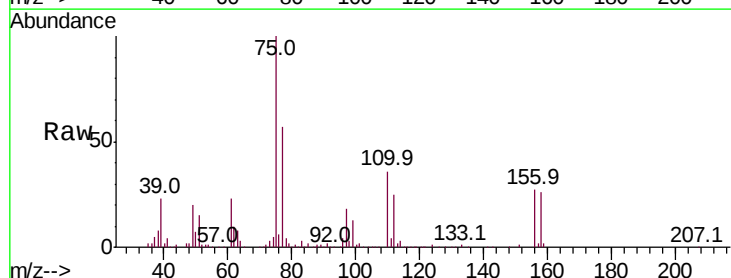
Acq: 25 Sep 2019 10:02

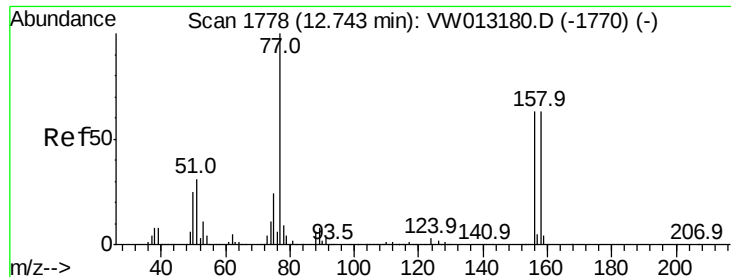
Tgt Ion: 75 Resp: 167470

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.208 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampled :

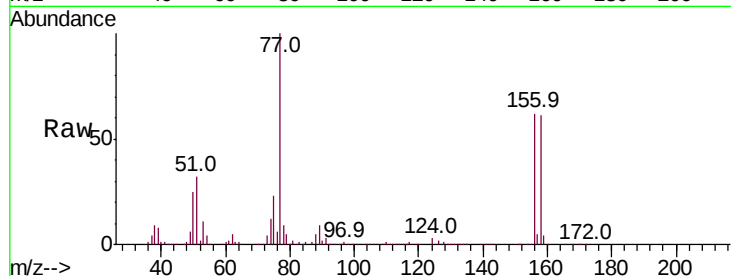
Tot Ion:156 Resp: 198751

Ion Ratio Lower Upper

156 100

77 172.3 85.7 257.1

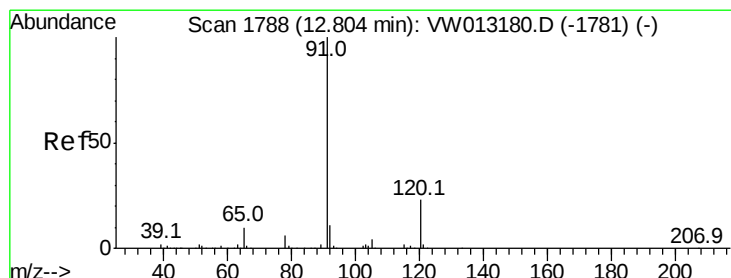
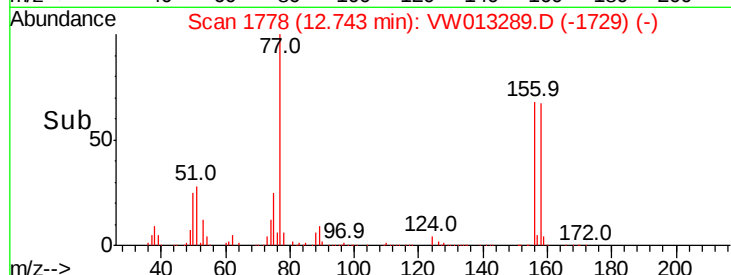
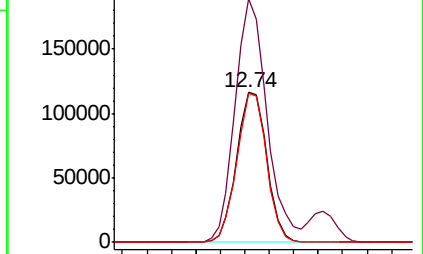
158 97.5 48.1 144.4



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: 49.668 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013289.D

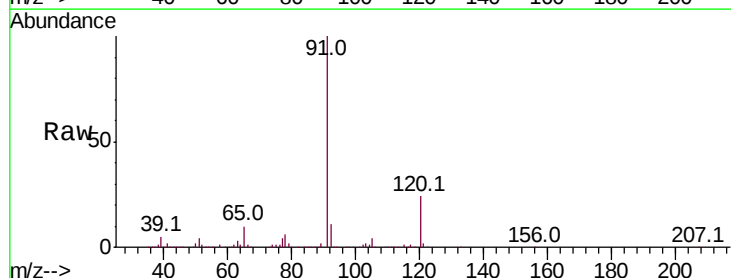
Acq: 25 Sep 2019 10:02

Tgt Ion: 91 Resp: 1011488

Ion Ratio Lower Upper

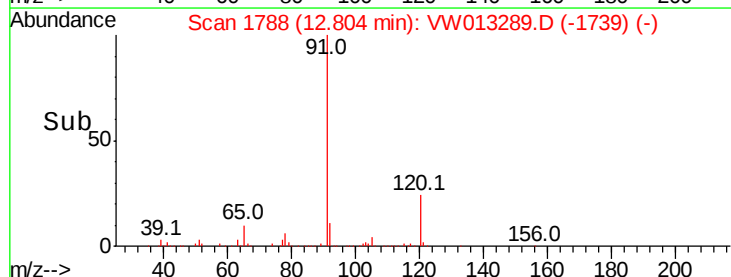
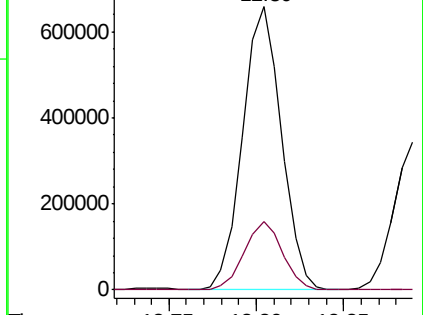
91 100

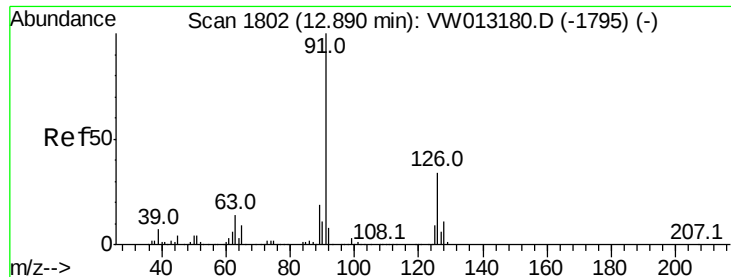
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

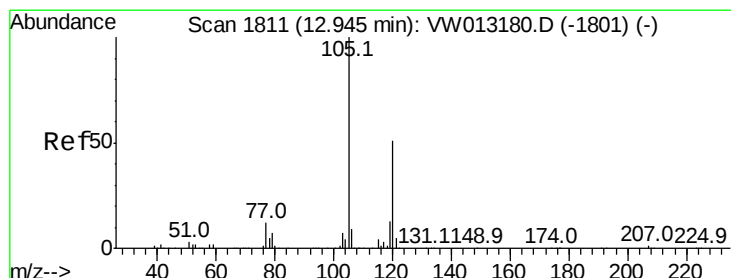
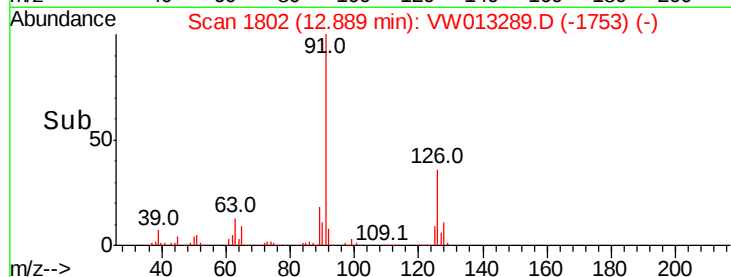
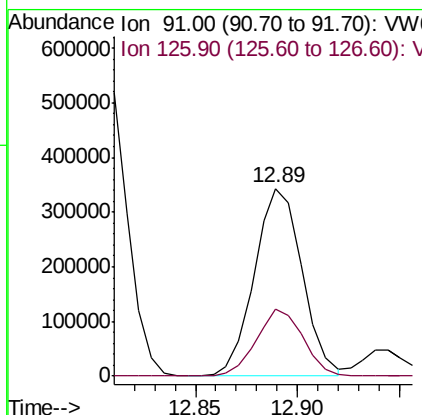
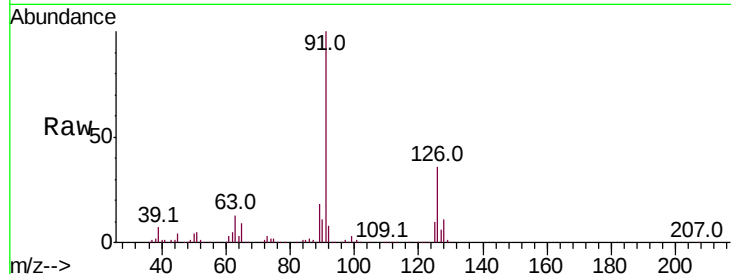




#79
 2-Chlorotoluene
 Concen: 48.948 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

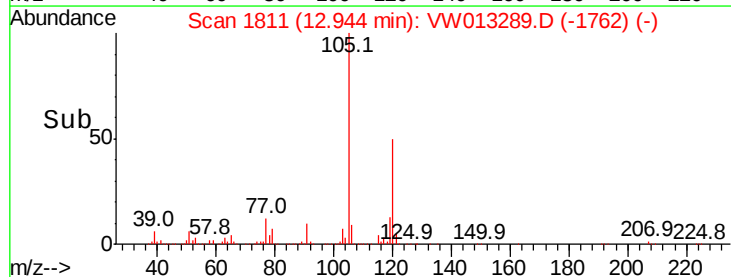
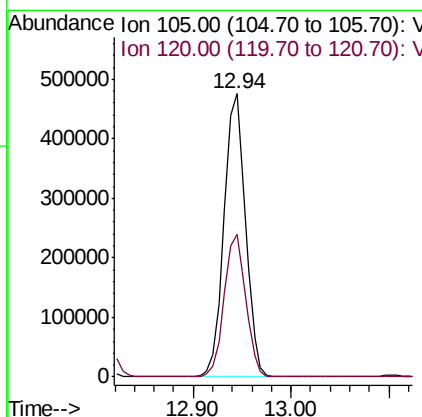
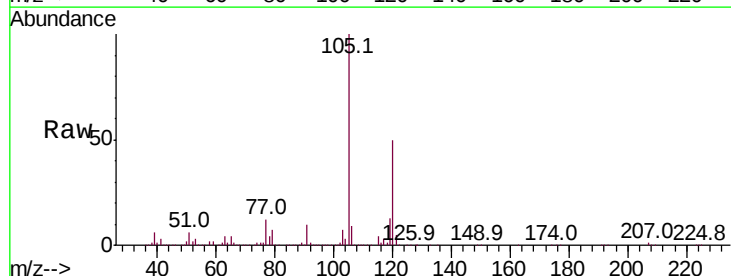
Instrument :
 MSVOA_W
 ClientSampled :

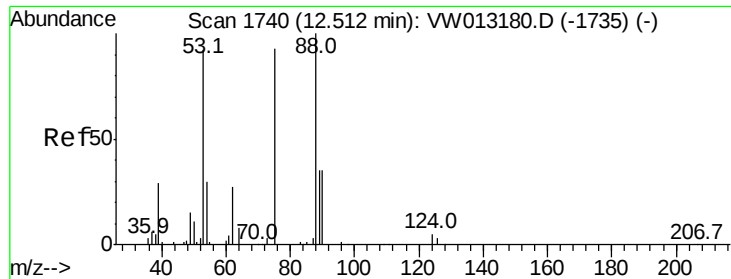
Tot Ion: 91 Resp: 558451
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 49.677 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion:105 Resp: 726519
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.8

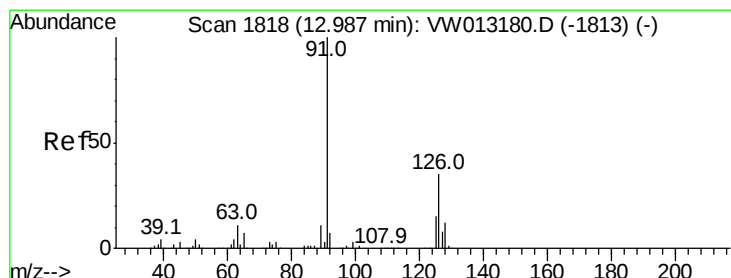
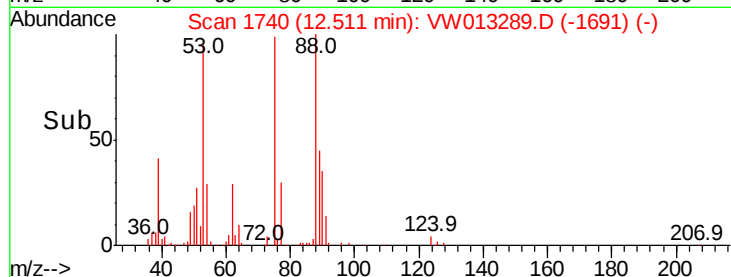
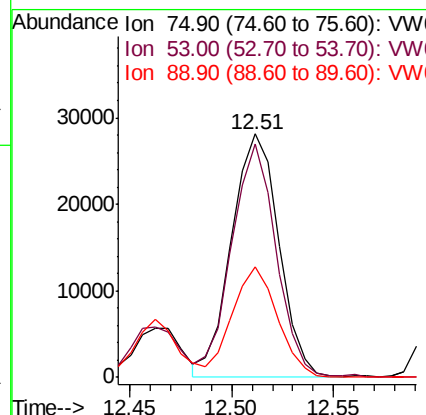
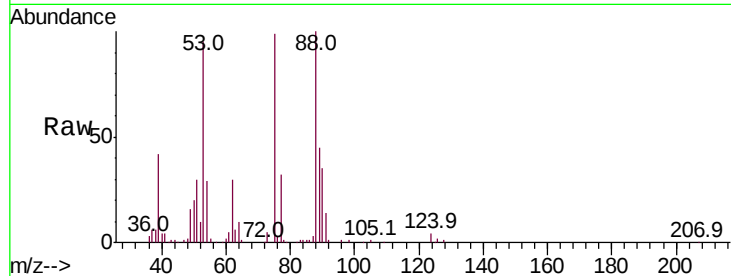




#81
trans-1,4-Dichloro-2-butene
Concen: 48.889 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

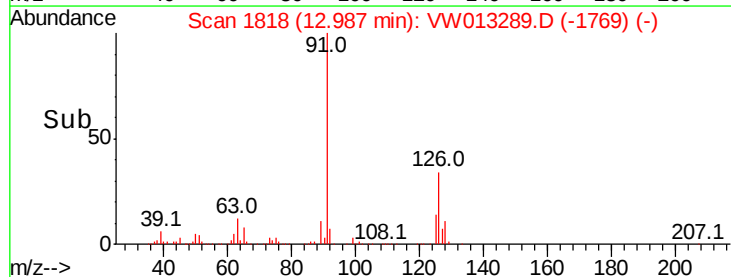
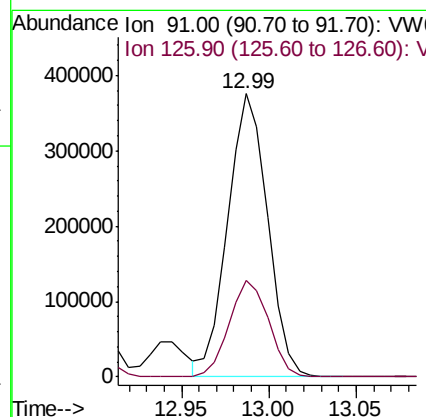
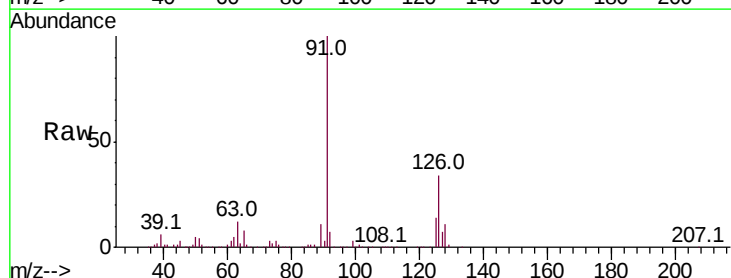
Instrument :
MSVOA_W
ClientSampleId :

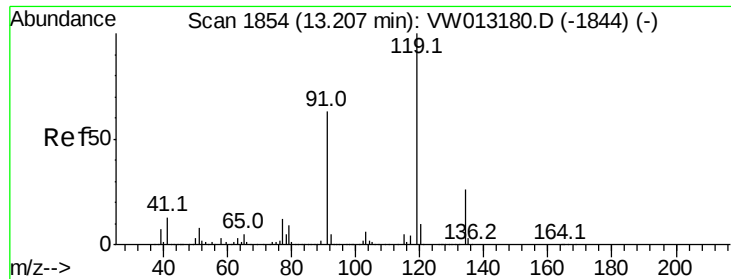
Tot Ion: 75 Resp: 45316
Ion Ratio Lower Upper
75 100
53 89.3 76.6 114.8
89 43.1 33.5 50.3



#82
4-Chlorotoluene
Concen: 49.182 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 91 Resp: 591730
Ion Ratio Lower Upper
91 100
126 34.0 17.3 51.7





#83

tert-Butylbenzene

Concen: 49.609 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampled :

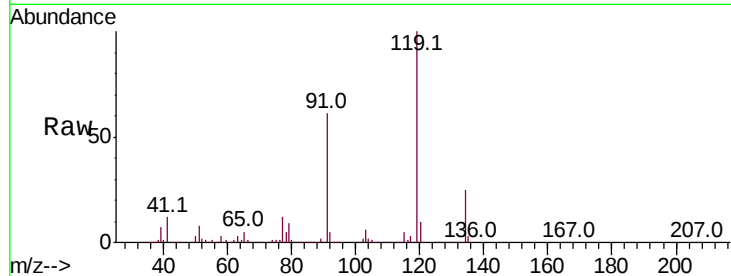
Tot Ion:119 Resp: 636793

Ion Ratio Lower Upper

119 100

91 61.8 30.7 92.1

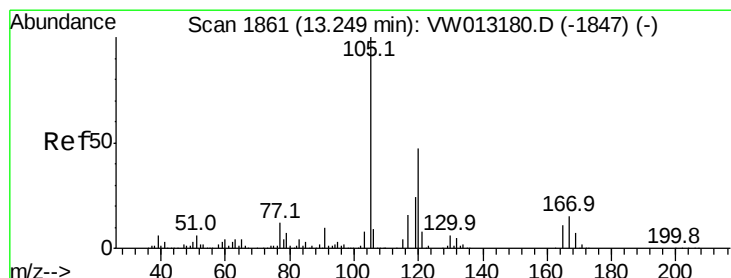
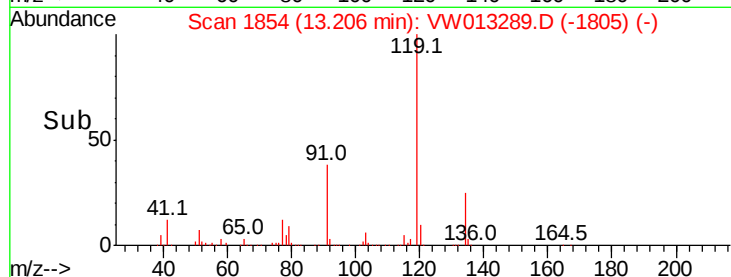
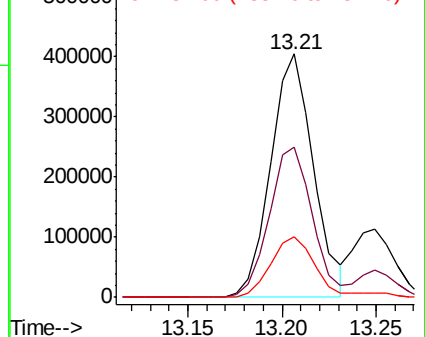
134 27.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.141 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013289.D

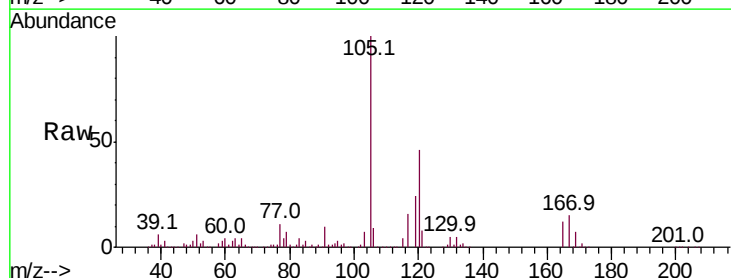
Acq: 25 Sep 2019 10:02

Tgt Ion:105 Resp: 715140

Ion Ratio Lower Upper

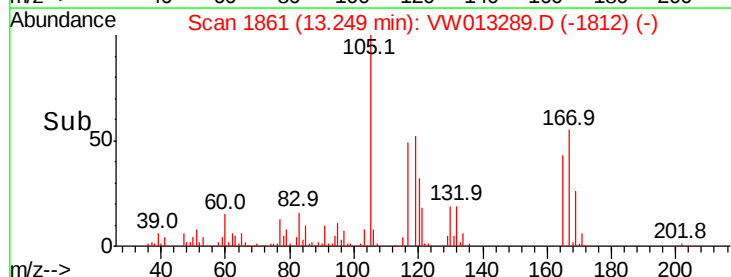
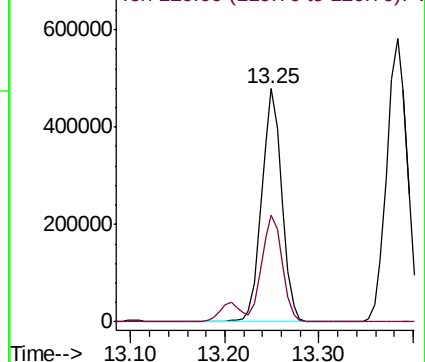
105 100

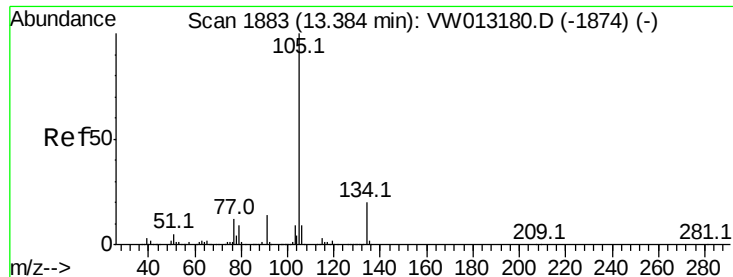
120 46.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.892 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

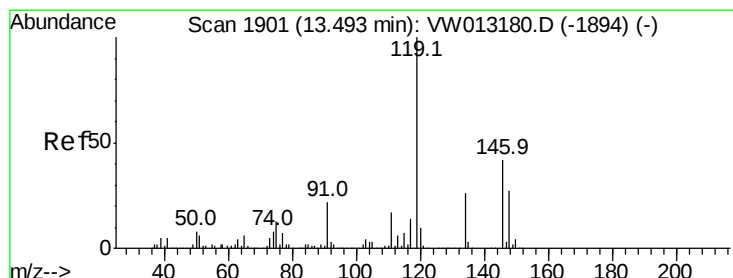
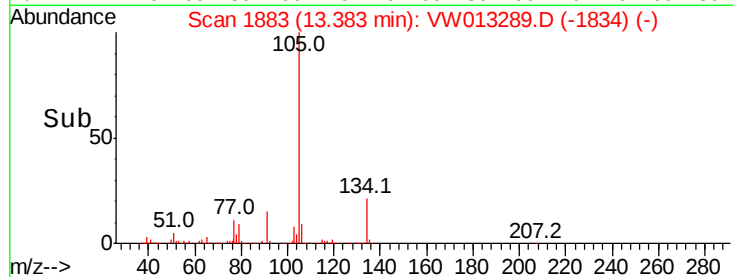
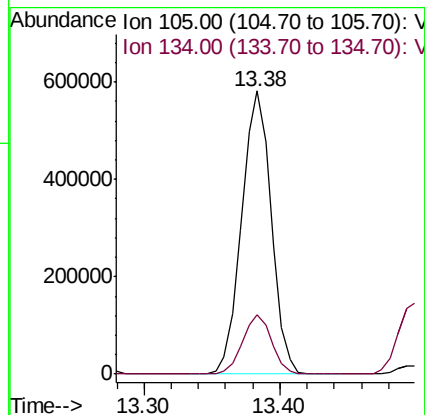
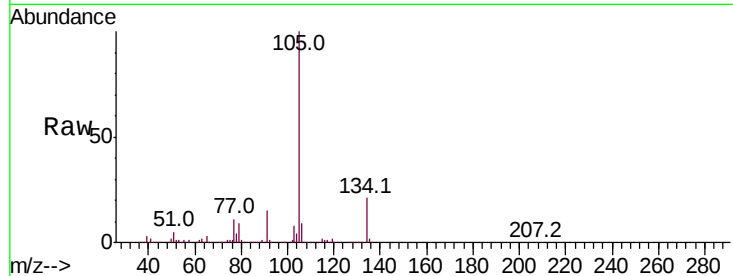
ClientSampleId :

Tot Ion:105 Resp: 882945

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 50.195 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

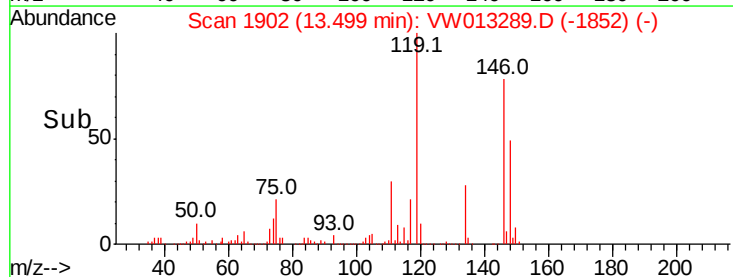
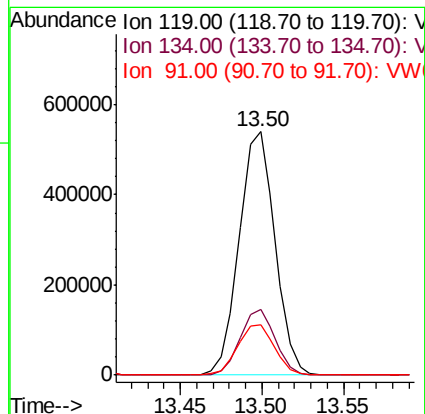
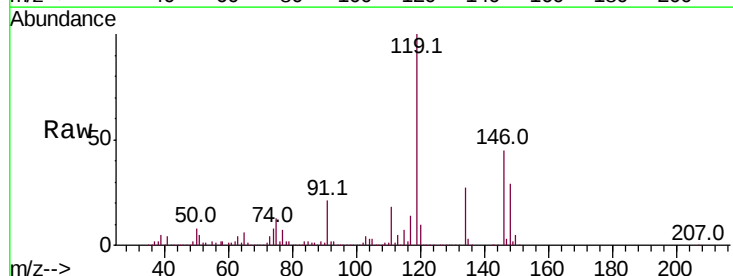
Tgt Ion:119 Resp: 823917

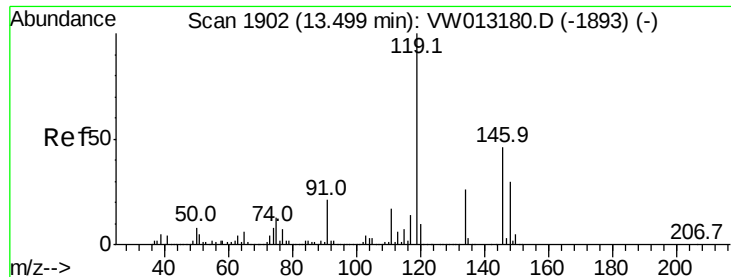
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.3 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 49.088 ug/l

RT: 13.50 min Scan# 1902

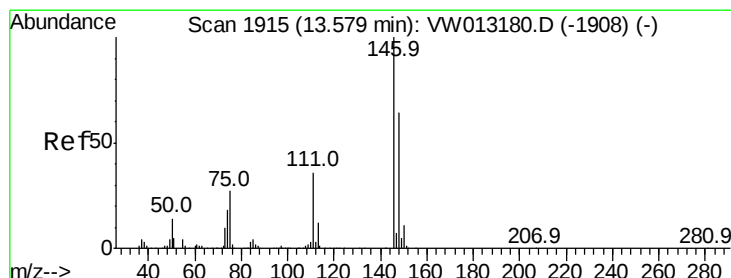
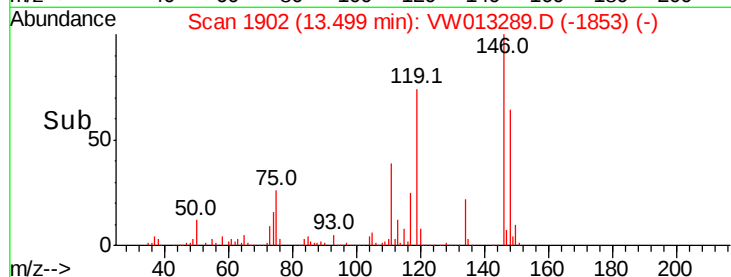
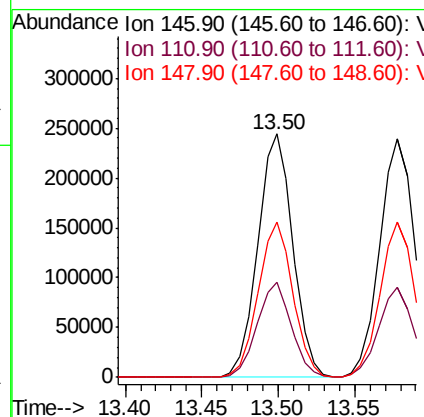
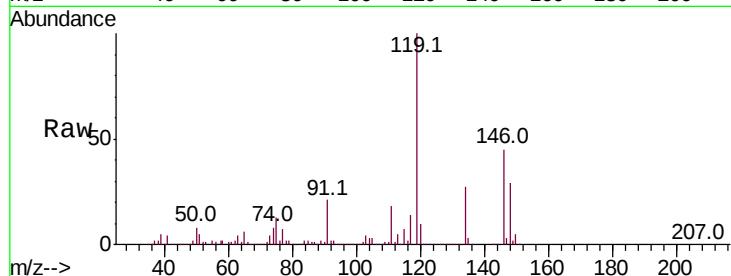
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	63.1	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 48.944 ug/l

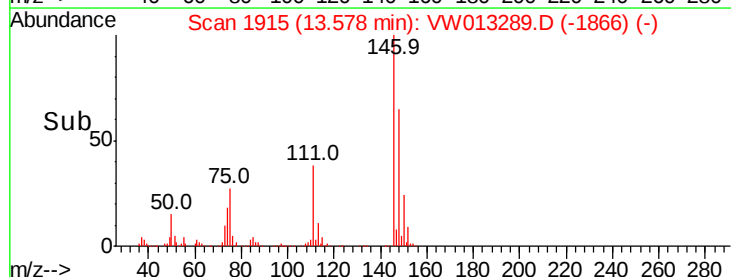
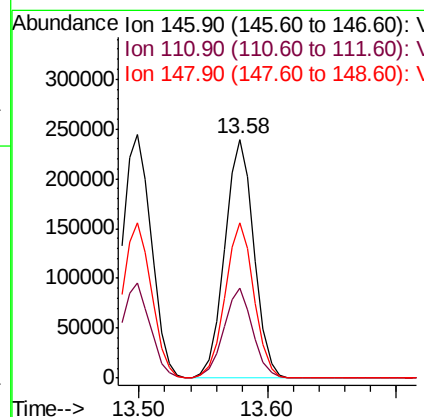
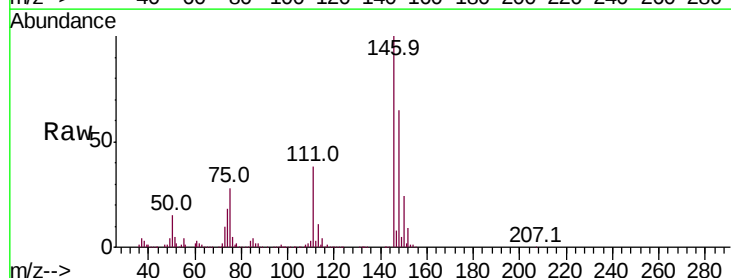
RT: 13.58 min Scan# 1915

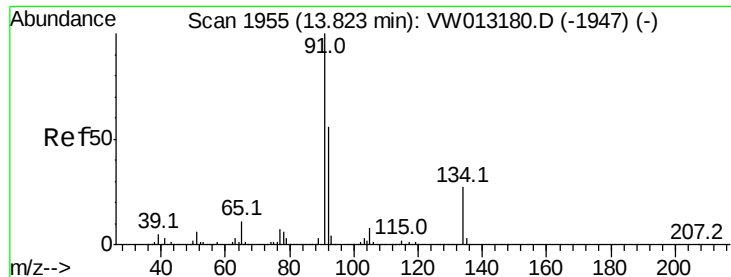
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.1	32.1	96.3

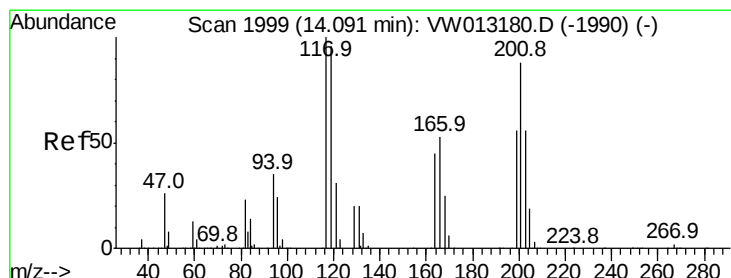
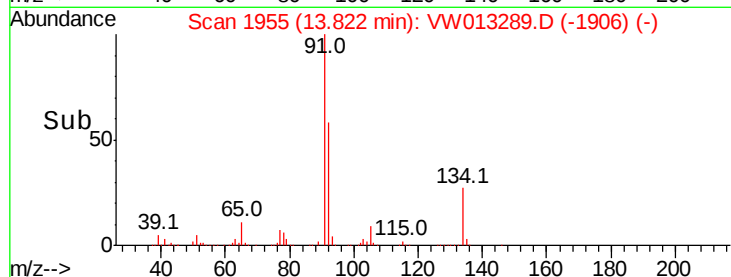
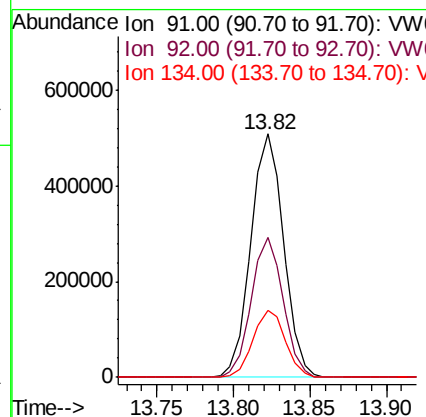
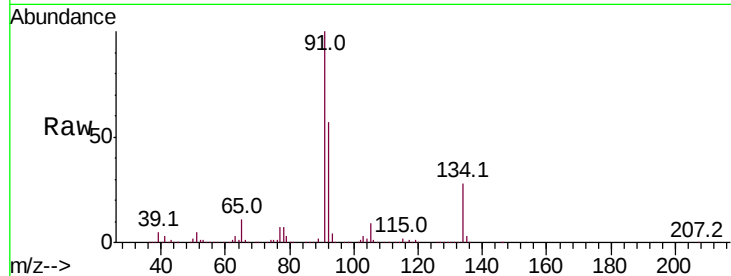




#89
n-Butylbenzene
Concen: 50.593 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

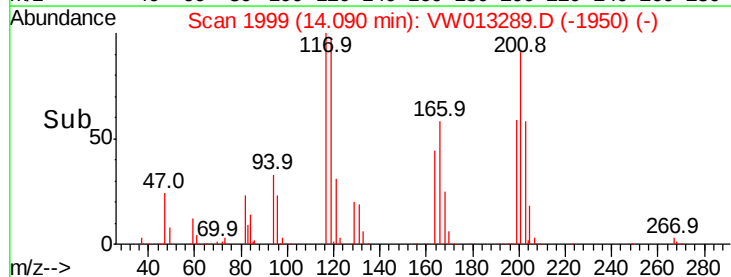
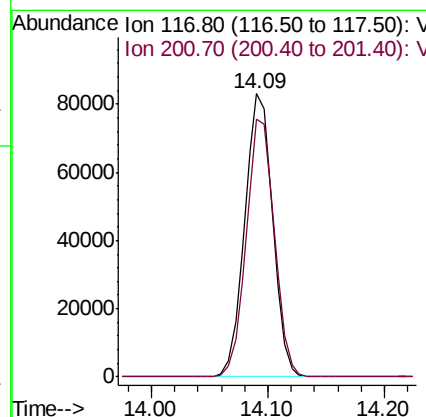
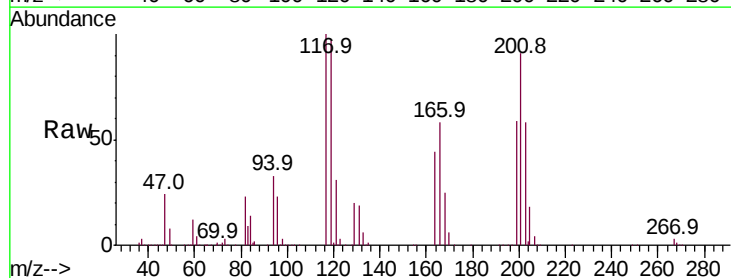
Instrument :
MSVOA_W
ClientSampleId :

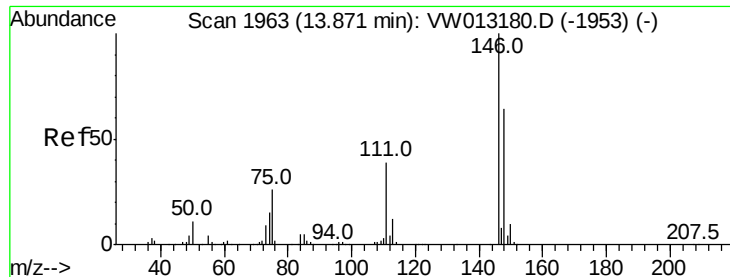
Tot Ion: 91 Resp: 758281
Ion Ratio Lower Upper
91 100
92 55.8 27.6 82.8
134 27.4 13.7 41.1



#90
Hexachloroethane
Concen: 50.635 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 117 Resp: 139625
Ion Ratio Lower Upper
117 100
201 91.5 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 49.050 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

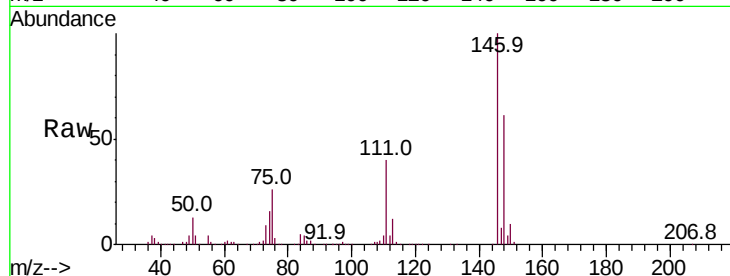
Tot Ion:146 Resp: 336701

Ion Ratio Lower Upper

146 100

111 39.3 20.1 60.3

148 62.3 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

13.87

250000

200000

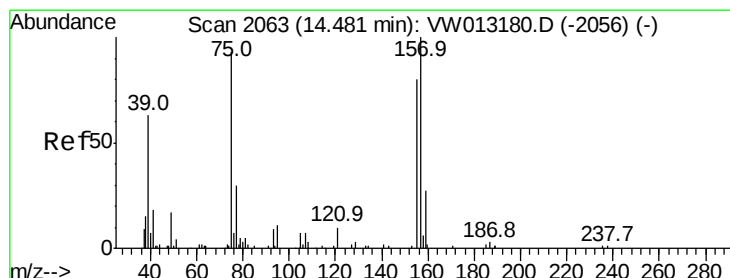
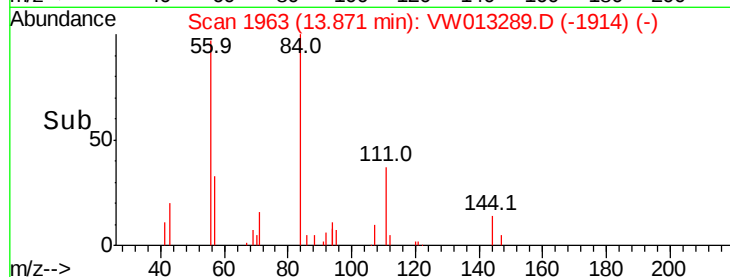
150000

100000

50000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.429 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

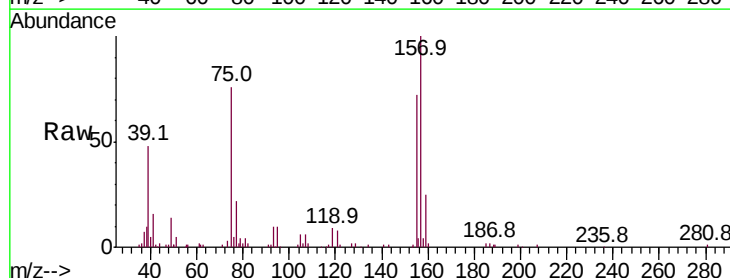
Tgt Ion: 75 Resp: 20218

Ion Ratio Lower Upper

75 100

155 96.3 46.1 138.3

157 123.0 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

20000

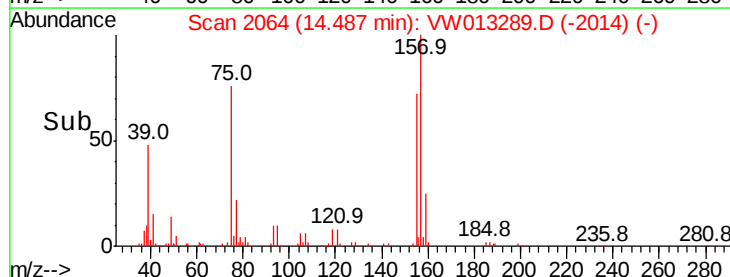
15000

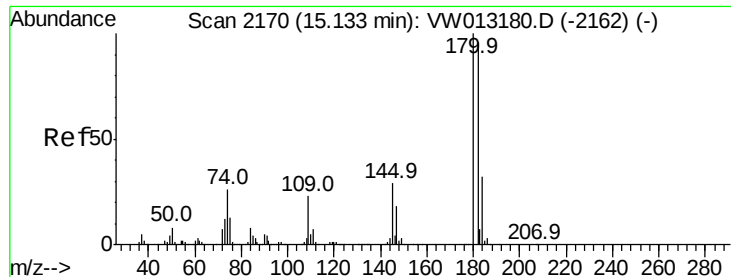
10000

5000

0

Time-->

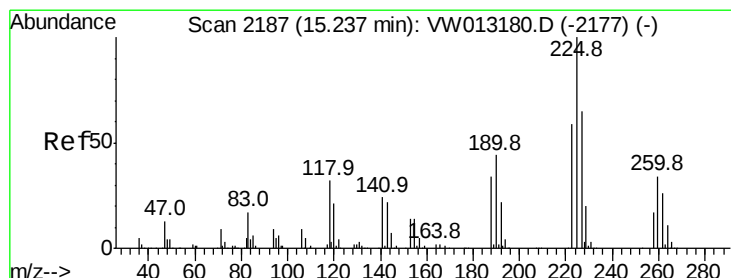
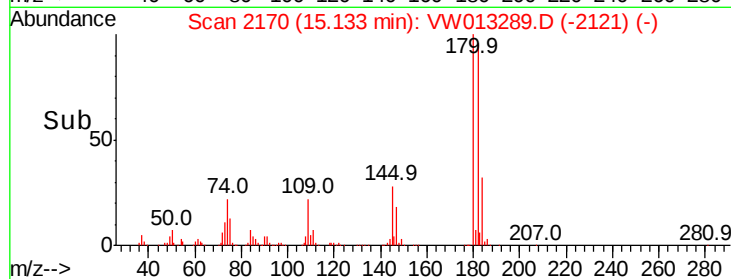
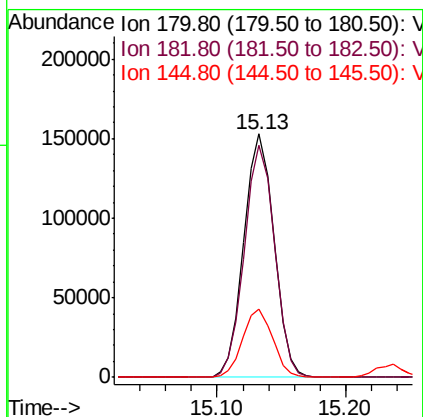
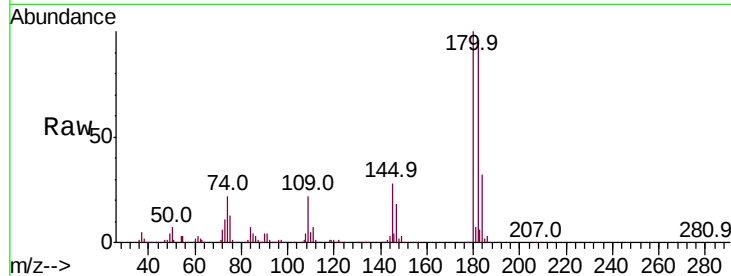




#93
 1,2,4-Trichlorobenzene
 Concen: 50.398 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

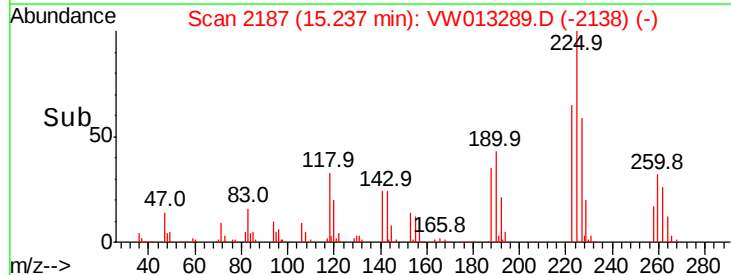
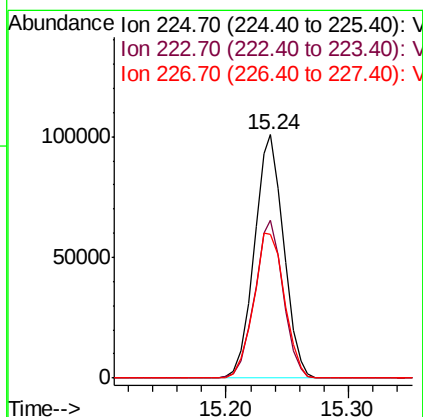
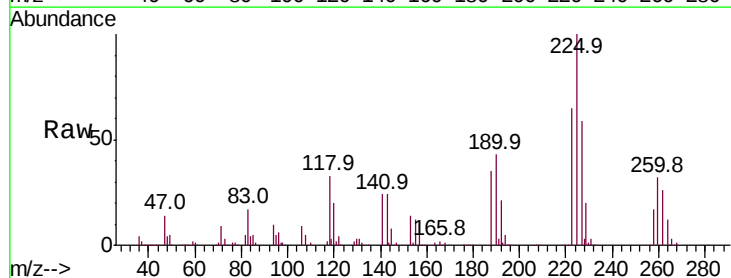
Instrument :
 MSVOA_W
 ClientSampleId :

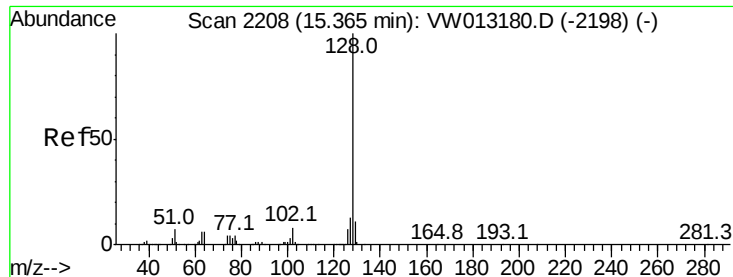
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	28.2	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 49.778 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.6	91.8
227	62.8	31.9	95.9

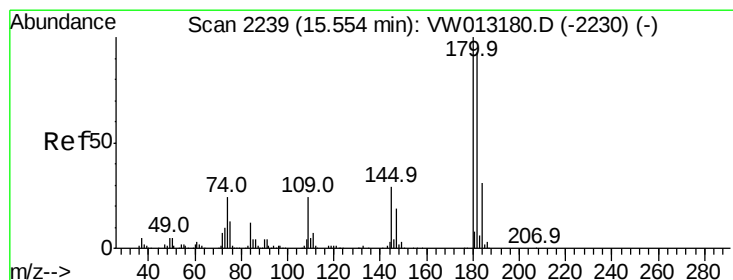
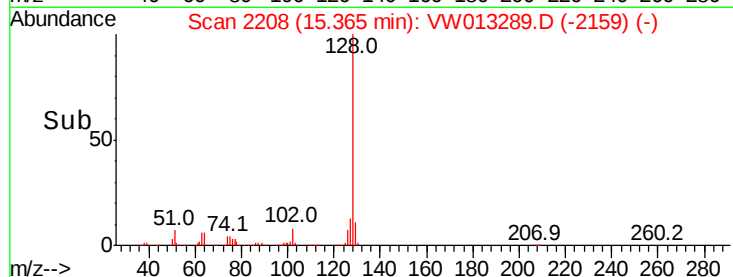
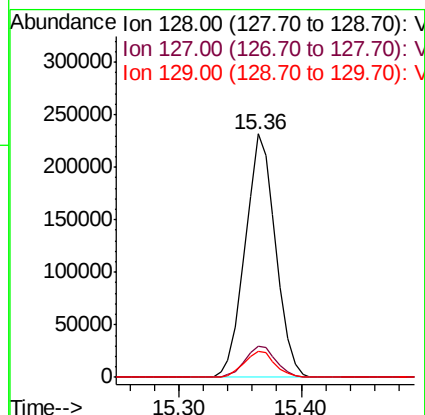
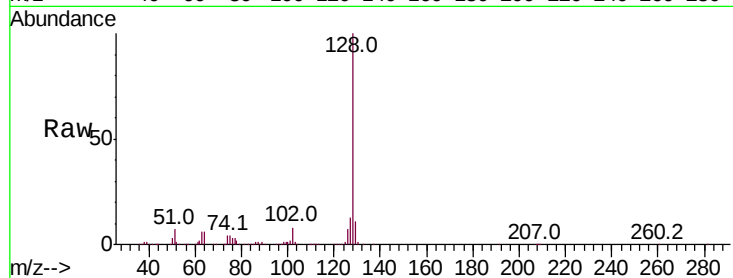




#95
Naphthalene
Concen: 49.612 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.890 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	30.5	15.0	45.0

