

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013296.D
 Acq On : 25 Sep 2019 17:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 25 17:43:44 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	341139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	493587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	138300	49.67	ug/l	0.00
Spiked Amount						
			Recovery	=	99.34%	
35) Dibromofluoromethane	7.88	113	138654	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=	102.14%	
50) Toluene-d8	10.32	98	570679	50.23	ug/l	0.00
Spiked Amount						
			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.62	95	198817	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	97561	49.578	ug/l	98
3) Chloromethane	2.21	50	106684	42.175	ug/l	99
4) Vinyl Chloride	2.36	62	146398	44.892	ug/l	99
5) Bromomethane	2.76	94	87035	42.114	ug/l	88
6) Chloroethane	2.90	64	86896	45.205	ug/l	95
7) Trichlorofluoromethane	3.25	101	80500	42.809	ug/l	99
8) Diethyl Ether	3.68	74	78552	48.906	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139003	45.404	ug/l	99
10) Methyl Iodide	4.26	142	222427	46.861	ug/l	99
11) Tert butyl alcohol	5.18	59	52252	261.159	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145995	46.051	ug/l	97
13) Acrolein	3.89	56	33454	208.731	ug/l	98
14) Allyl chloride	4.66	41	241663	47.897	ug/l	98
15) Acrylonitrile	5.36	53	179125	258.377	ug/l	99
16) Acetone	4.12	43	150085	239.039	ug/l	95
17) Carbon Disulfide	4.38	76	408505	44.581	ug/l	98
18) Methyl Acetate	4.67	43	102443	58.044	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	235738	48.518	ug/l	100
20) Methylene Chloride	4.91	84	157489	48.986	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	161408	47.106	ug/l	99
22) Diisopropyl ether	6.31	45	466468	48.619	ug/l	98
23) Vinyl Acetate	6.25	43	1371986	241.041	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272176	47.012	ug/l	99
25) 2-Butanone	7.17	43	228383	242.308	ug/l	94
26) 2,2-Dichloropropane	7.16	77	156885	44.953	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	174115	48.150	ug/l	98
28) Bromochloromethane	7.51	49	117581	52.916	ug/l	# 97
29) Tetrahydrofuran	7.52	42	149158	258.048	ug/l	99
30) Chloroform	7.67	83	264547	46.672	ug/l	97
31) Cyclohexane	7.95	56	265699	44.026	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	215378	46.915	ug/l	99
36) 1,1-Dichloropropene	8.07	75	222992	46.644	ug/l	99
37) Ethyl Acetate	7.24	43	99985	49.209	ug/l	99
38) Carbon Tetrachloride	8.06	117	200582	46.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	278301	45.298	ug/l	98
40) Benzene	8.32	78	635256	47.639	ug/l	100
41) Methacrylonitrile	7.48	41	63709	52.537	ug/l	96
42) 1,2-Dichloroethane	8.40	62	169475	47.278	ug/l	99
43) Isopropyl Acetate	8.42	43	189316	48.615	ug/l	98
44) Trichloroethene	9.09	130	173583	46.396	ug/l	95
45) 1,2-Dichloropropane	9.37	63	154681	47.512	ug/l	100
46) Dibromomethane	9.46	93	77460	49.007	ug/l	99
47) Bromodichloromethane	9.64	83	192315	47.817	ug/l	97
48) Methyl methacrylate	9.43	41	97298	53.136	ug/l	94
49) 1,4-Dioxane	9.45	88	25072	1056.744	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	488536	250.245	ug/l	99
52) Toluene	10.38	92	404679	47.352	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	200762	48.586	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	242814	48.330	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	114525	48.477	ug/l	98
56) Ethyl methacrylate	10.64	69	158760	51.348	ug/l	98
57) 1,3-Dichloropropane	10.93	76	201932	48.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	381472	266.512	ug/l	99
59) 2-Hexanone	10.97	43	338965	252.370	ug/l	99
60) Dibromochloromethane	11.13	129	132522	49.401	ug/l	99
61) 1,2-Dibromoethane	11.23	107	110004	48.973	ug/l	100
64) Tetrachloroethene	10.86	164	152390	46.655	ug/l	98
65) Chlorobenzene	11.66	112	425422	47.324	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	148326	48.297	ug/l	100
67) Ethyl Benzene	11.73	91	765341	46.988	ug/l	99
68) m/p-Xylenes	11.84	106	587469	94.650	ug/l	99
69) o-Xylene	12.16	106	270804	46.929	ug/l	100
70) Styrene	12.18	104	481986	48.652	ug/l	99
71) Bromoform	12.35	173	78593	48.440	ug/l #	97
73) Isopropylbenzene	12.46	105	756287	46.504	ug/l	100
74) N-amyl acetate	12.27	43	171936	47.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130259	47.893	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	166833	85.810	ug/l #	100
77) Bromobenzene	12.74	156	180973	46.960	ug/l	99
78) n-propylbenzene	12.80	91	875853	46.010	ug/l	100
79) 2-Chlorotoluene	12.89	91	494271	46.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	632146	46.242	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	43451	50.149	ug/l	96
82) 4-Chlorotoluene	12.99	91	514447	45.744	ug/l	99
83) tert-Butylbenzene	13.21	119	558879	46.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	628396	46.194	ug/l	99
85) sec-Butylbenzene	13.38	105	757057	45.764	ug/l	99
86) p-Isopropyltoluene	13.50	119	707135	46.088	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	339383	45.758	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	336932	46.319	ug/l	99
89) n-Butylbenzene	13.82	91	639780	45.666	ug/l	99
90) Hexachloroethane	14.09	117	119117	46.213	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	302901	47.206	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20644	49.624	ug/l	98

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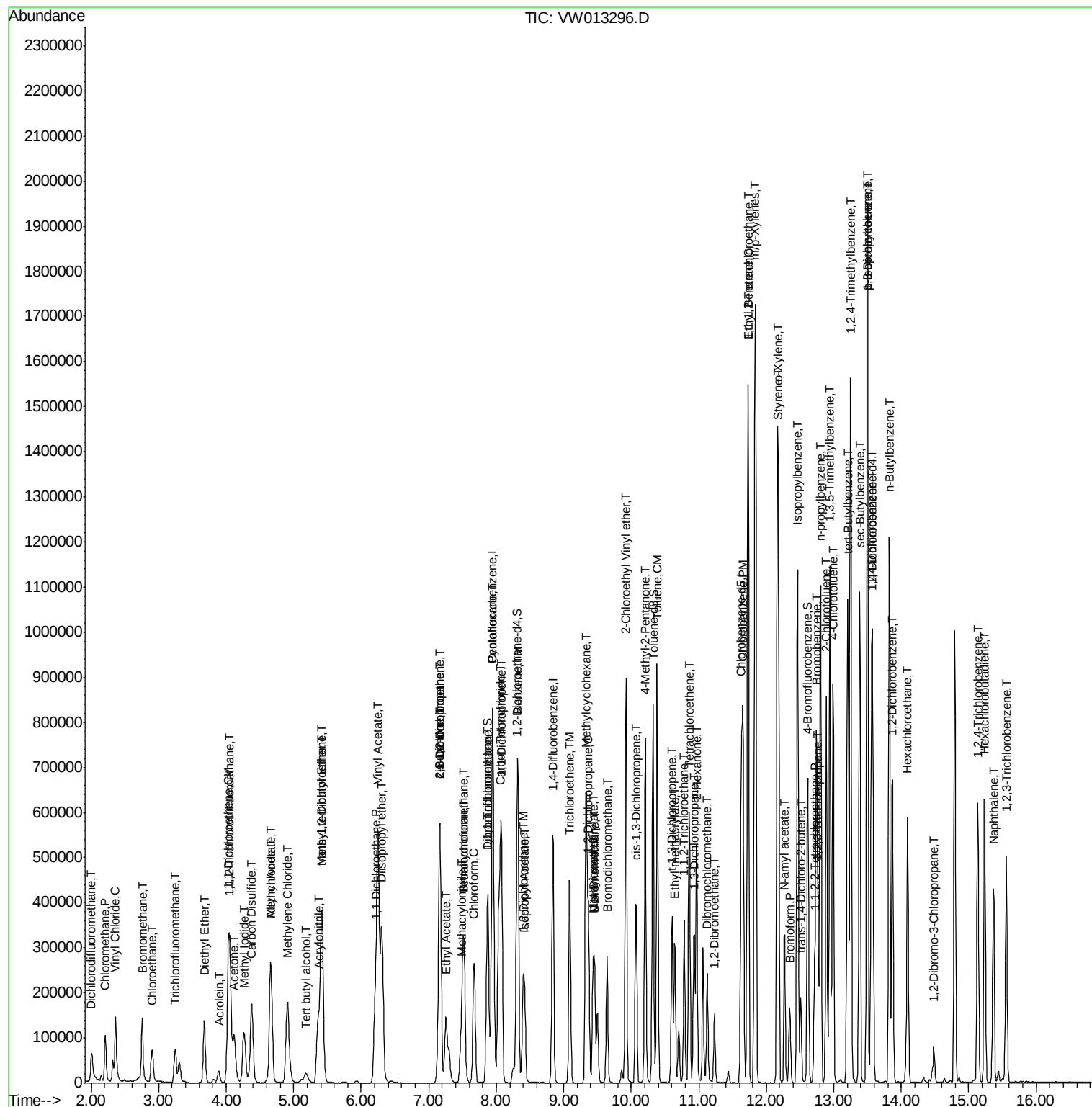
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	218021	47.417	ug/l	99
94) Hexachlorobutadiene	15.24	225	144349	45.888	ug/l	99
95) Naphthalene	15.36	128	388090	51.607	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	192025	48.333	ug/l	99

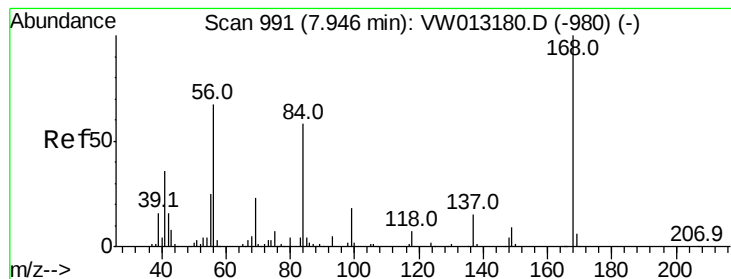
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

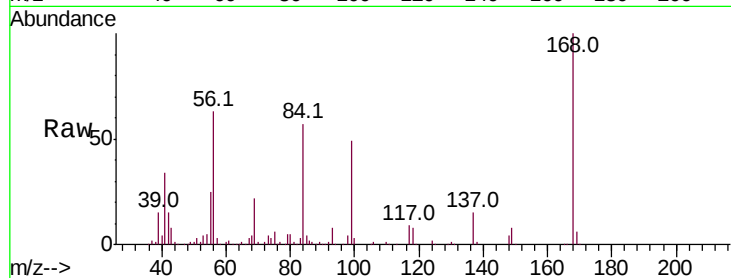
ClientSampled :

Tot Ion:168 Resp: 341139

Ion Ratio Lower Upper

168 100

99 49.1 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

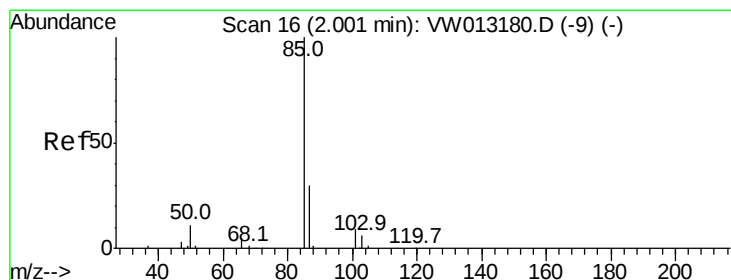
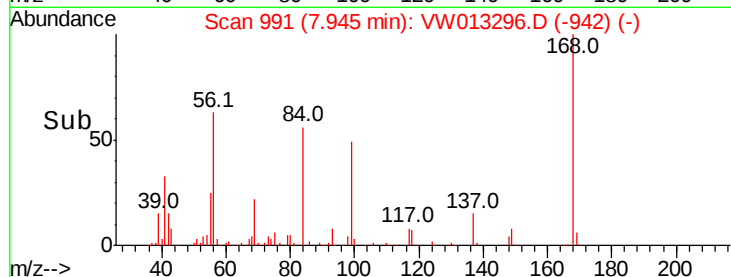
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.578 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013296.D

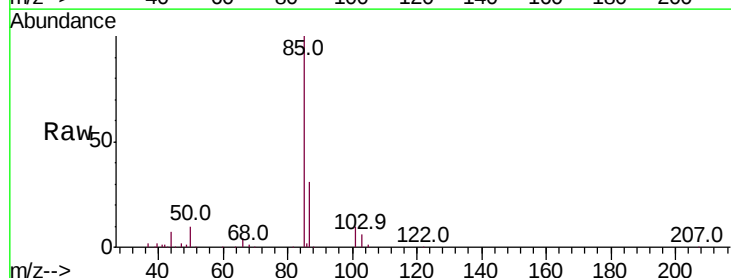
Acq: 25 Sep 2019 17:11

Tgt Ion: 85 Resp: 97561

Ion Ratio Lower Upper

85 100

87 31.2 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

40000

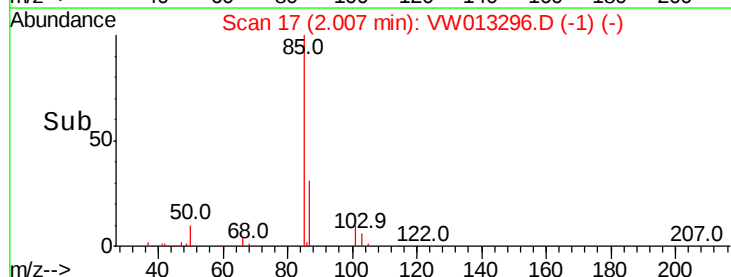
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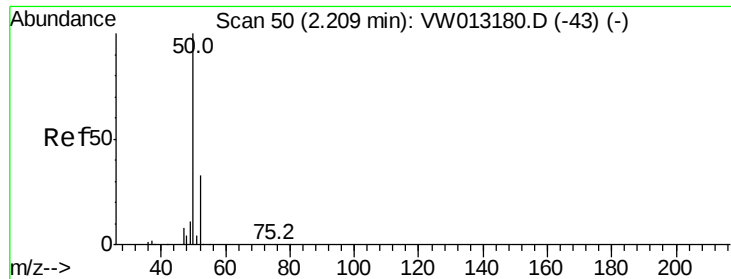
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 42.175 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

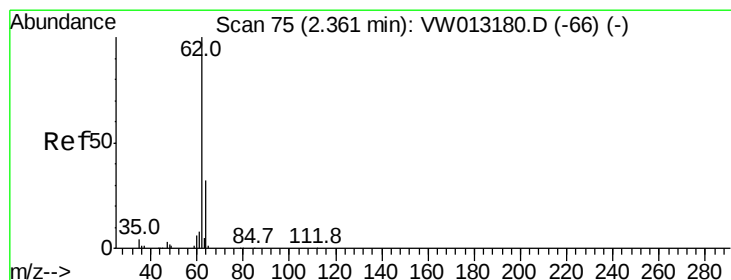
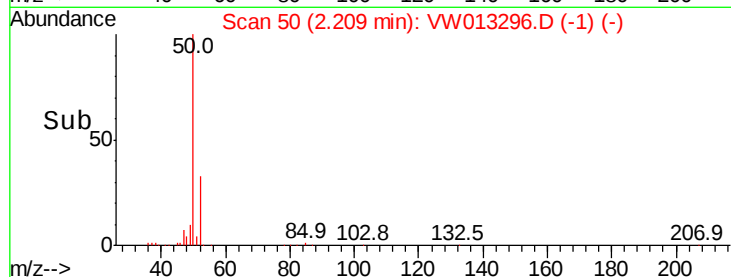
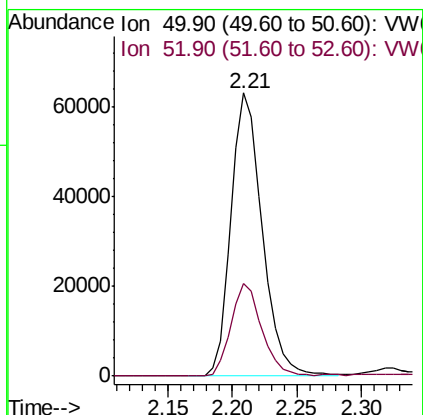
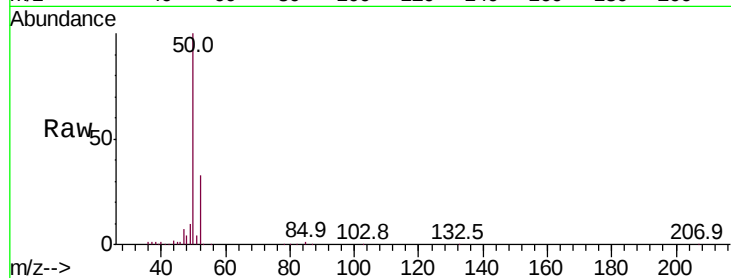
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 106684

Ion Ratio Lower Upper

50 100

52 33.0 26.1 39.1



#4

Vinyl Chloride

Concen: 44.892 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013296.D

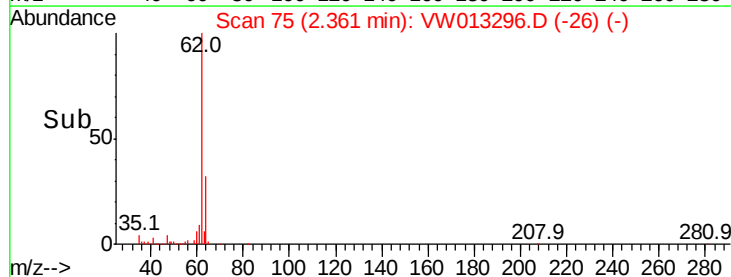
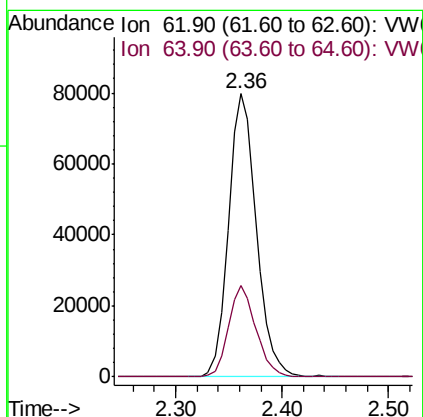
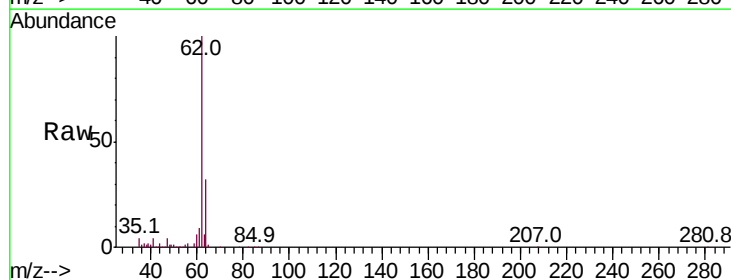
Acq: 25 Sep 2019 17:11

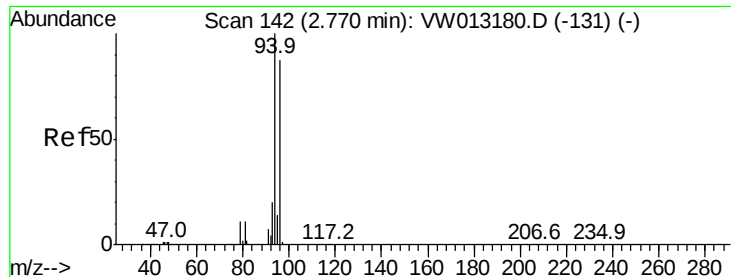
Tgt Ion: 62 Resp: 146398

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 42.114 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

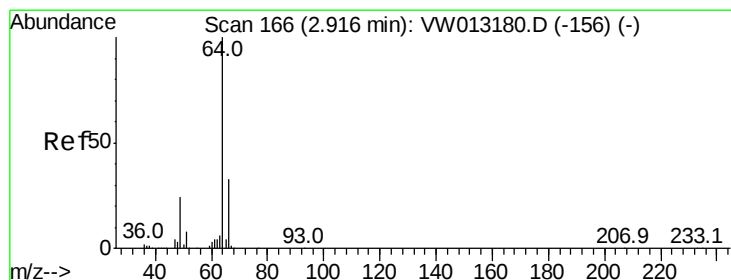
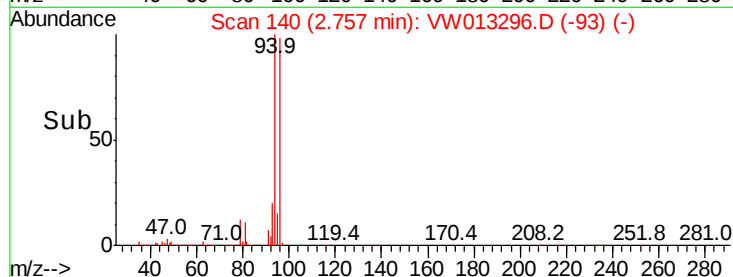
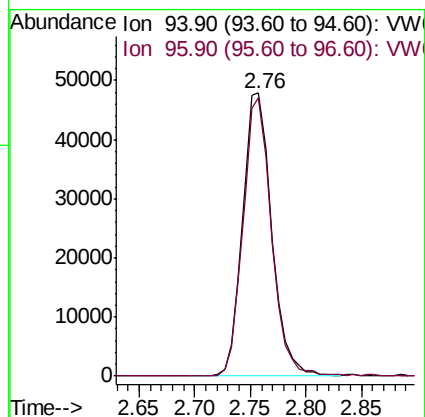
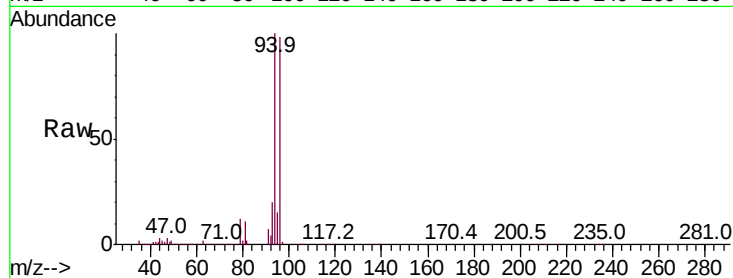
ClientSampleId :

Tot Ion: 94 Resp: 87035

Ion Ratio Lower Upper

94 100

96 98.3 69.7 104.5



#6

Chloroethane

Concen: 45.205 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013296.D

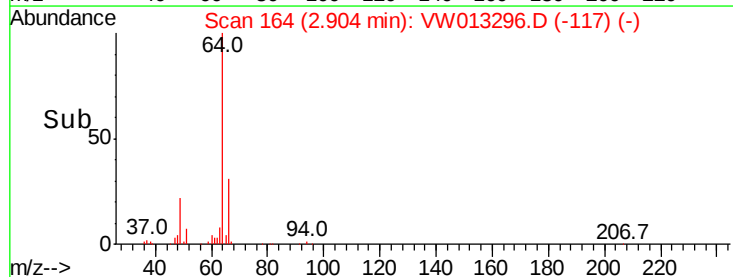
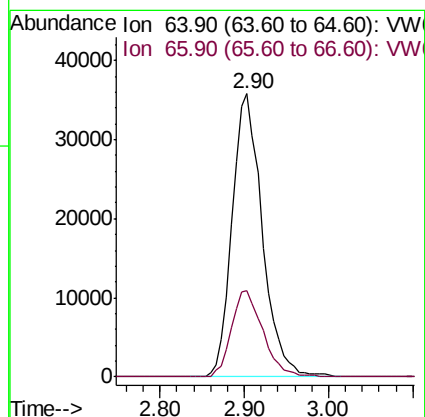
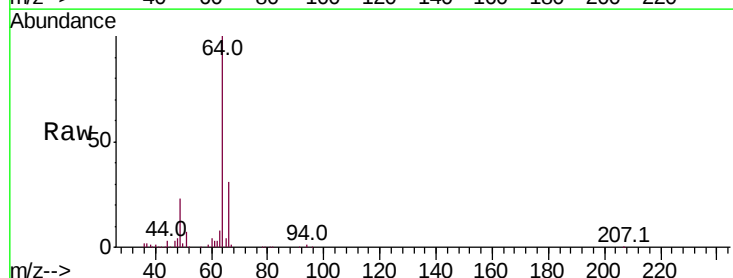
Acq: 25 Sep 2019 17:11

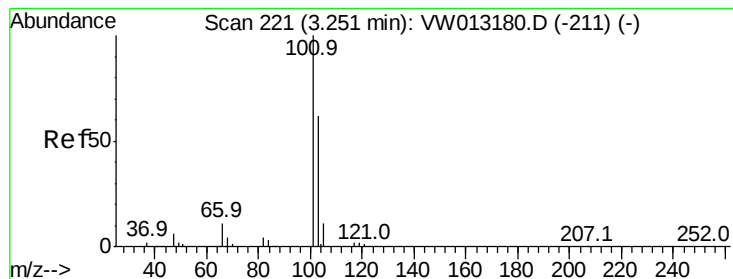
Tgt Ion: 64 Resp: 86896

Ion Ratio Lower Upper

64 100

66 30.5 26.6 39.8



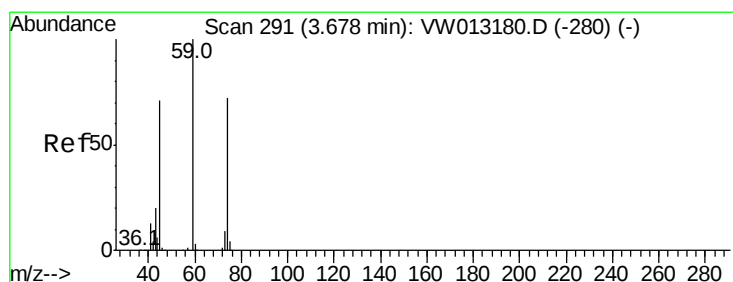
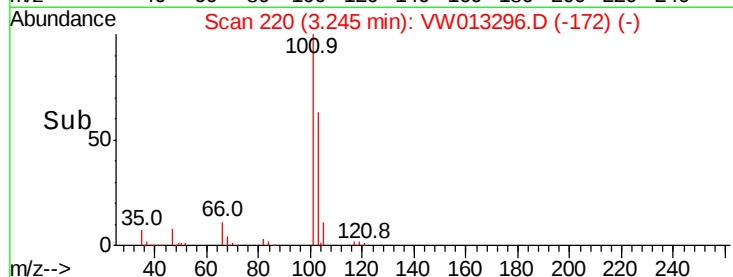
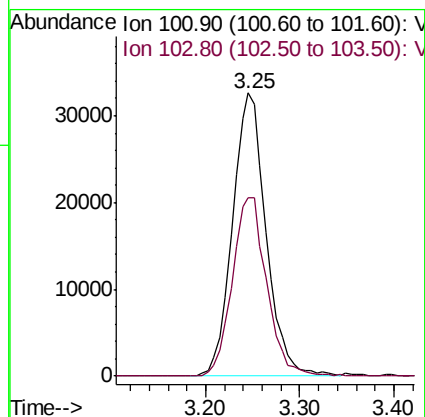
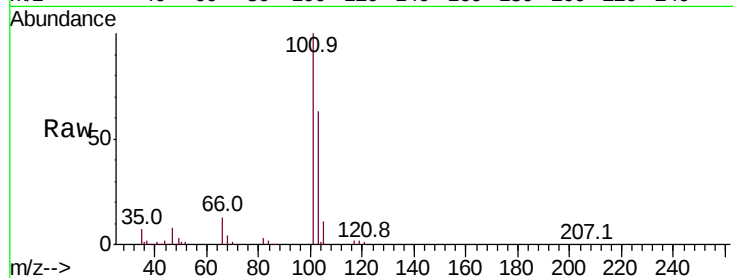


#7

Trichlorofluoromethane
 Concen: 42.809 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Instrument :
 MSVOA_W
 ClientSampleId :

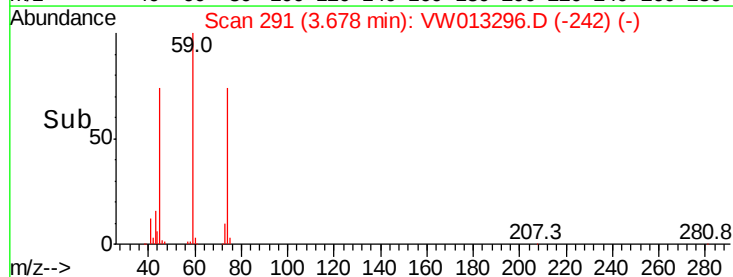
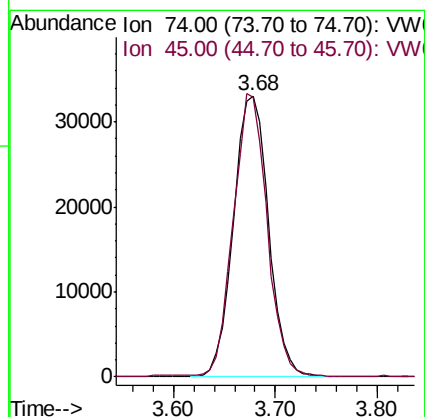
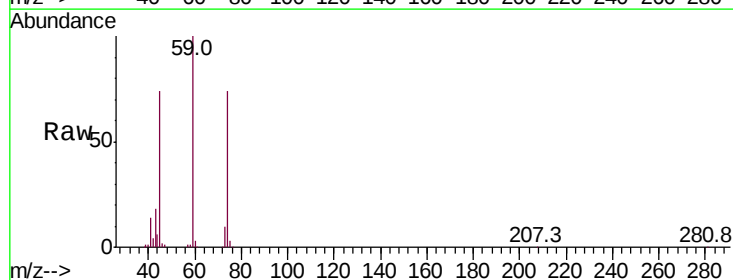
Tot Ion:101 Resp: 80500
 Ion Ratio Lower Upper
 101 100
 103 63.2 49.7 74.5

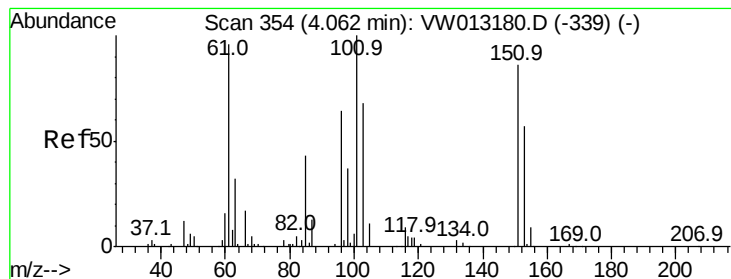


#8

Diethyl Ether
 Concen: 48.906 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Tgt Ion: 74 Resp: 78552
 Ion Ratio Lower Upper
 74 100
 45 96.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.404 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

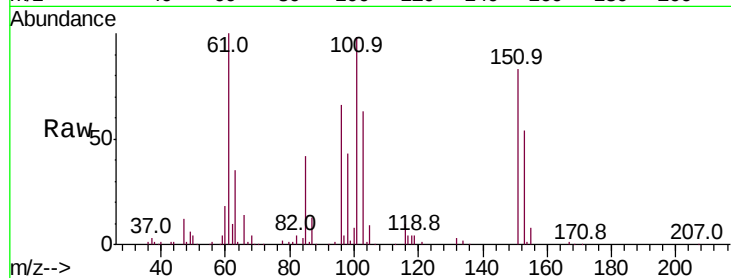
Tot Ion:101 Resp: 139003

Ion Ratio Lower Upper

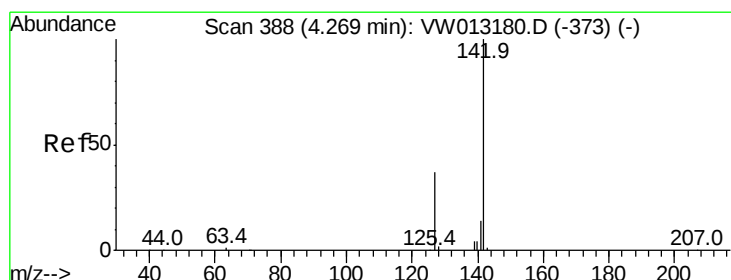
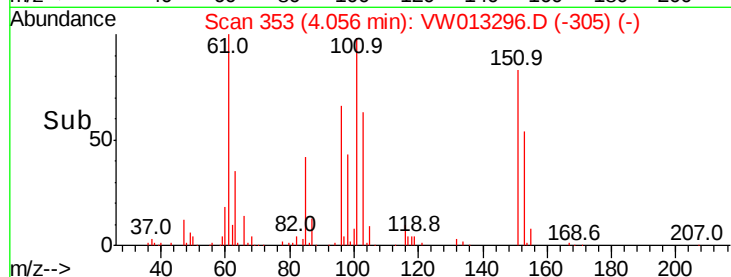
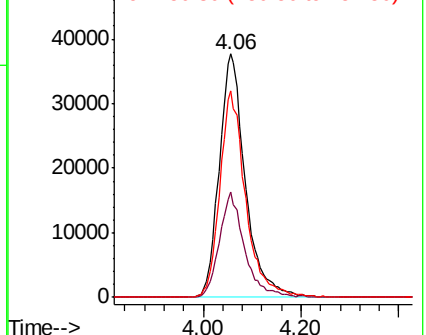
101 100

85 41.4 33.4 50.0

151 84.3 66.9 100.3



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



#10

Methyl Iodide

Concen: 46.861 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

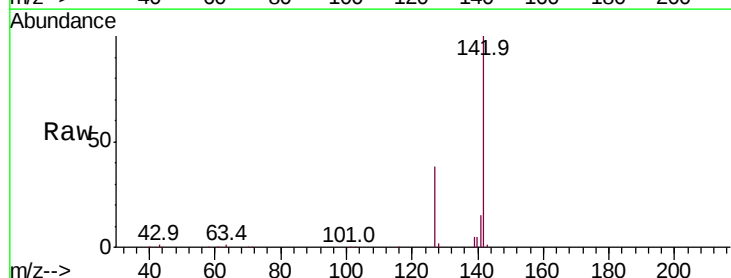
Tgt Ion:142 Resp: 222427

Ion Ratio Lower Upper

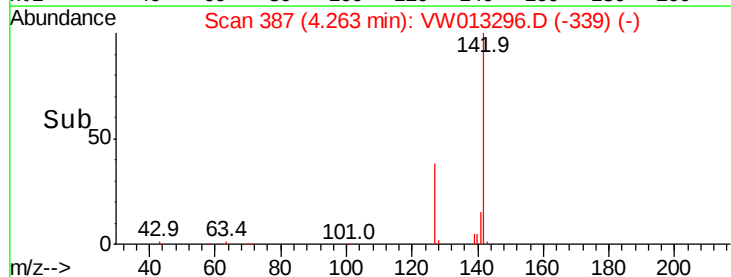
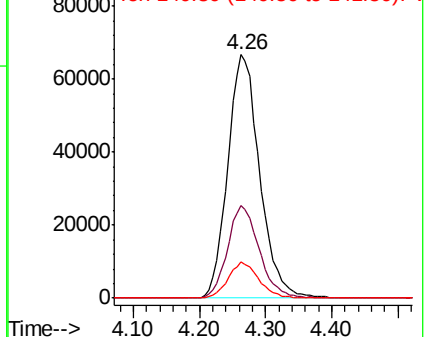
142 100

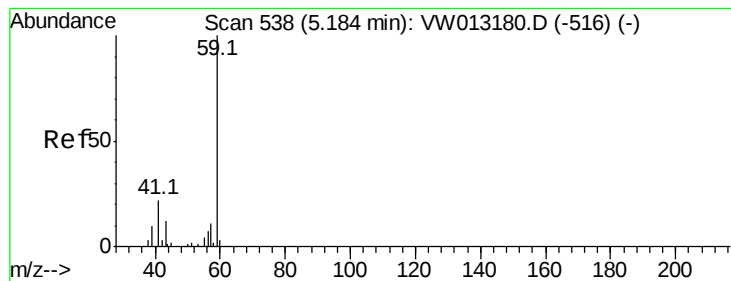
127 37.8 30.9 46.3

141 14.3 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



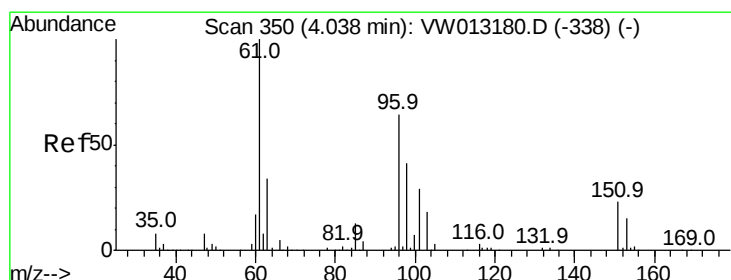
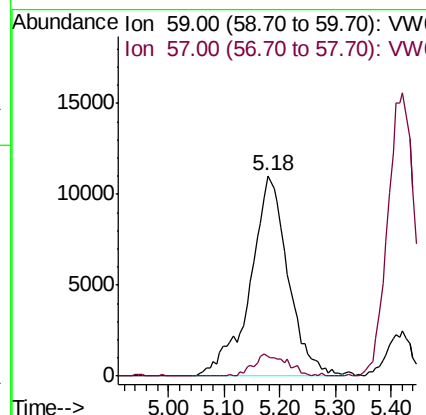
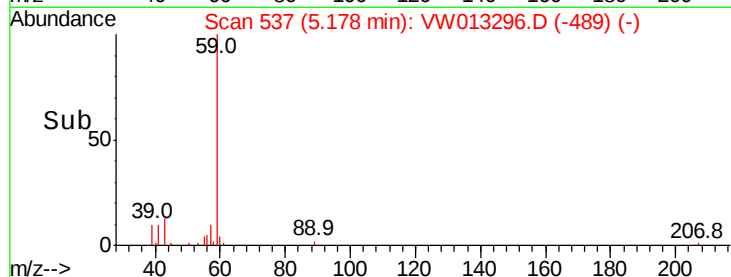
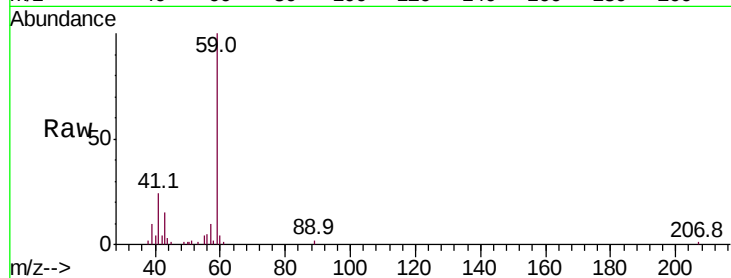


#11

Tert butyl alcohol
Concen: 261.159 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampleId :

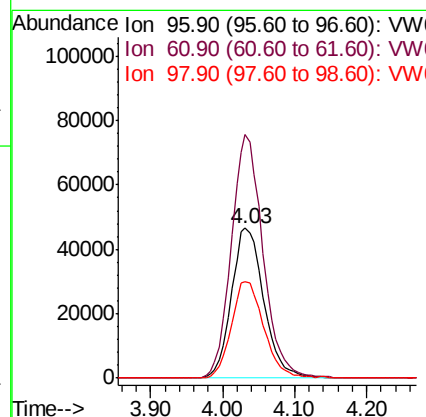
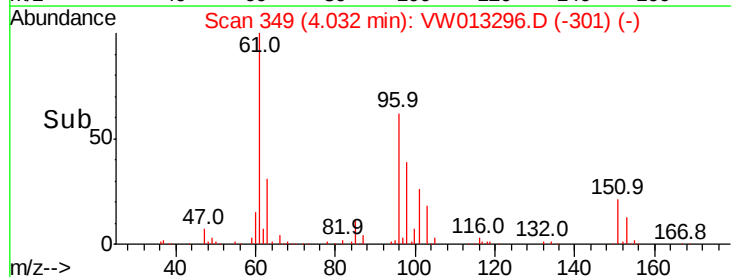
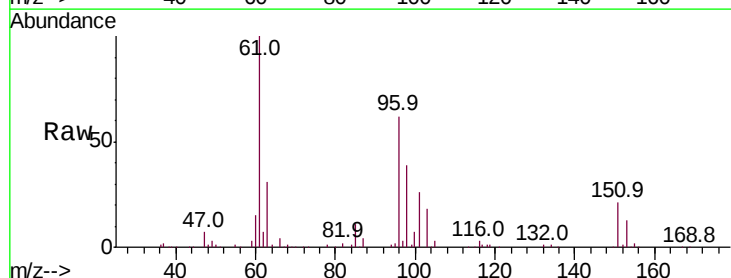
Tot Ion: 59 Resp: 52252
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2

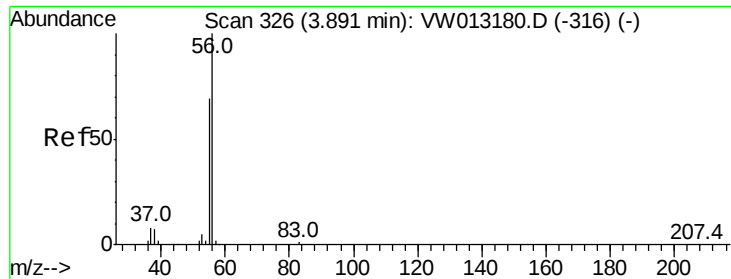


#12

1,1-Dichloroethene
Concen: 46.051 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 96 Resp: 145995
Ion Ratio Lower Upper
96 100
61 162.3 125.1 187.7
98 63.9 50.8 76.2





#13

Acrolein

Concen: 208.731 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

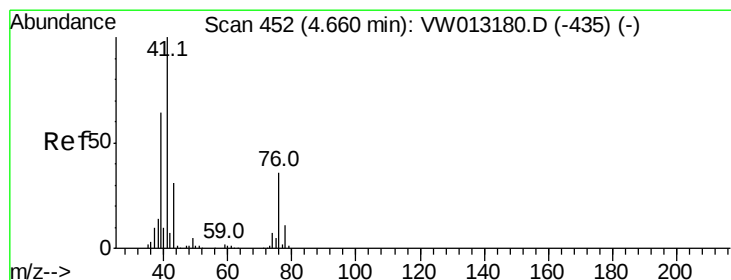
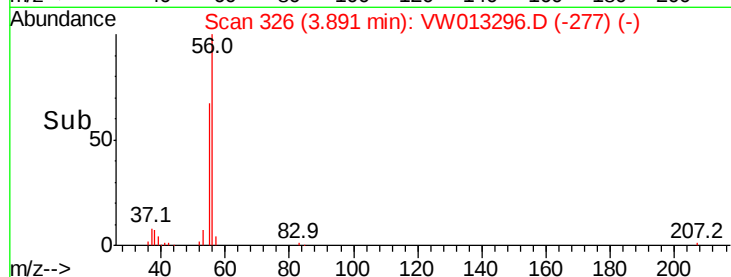
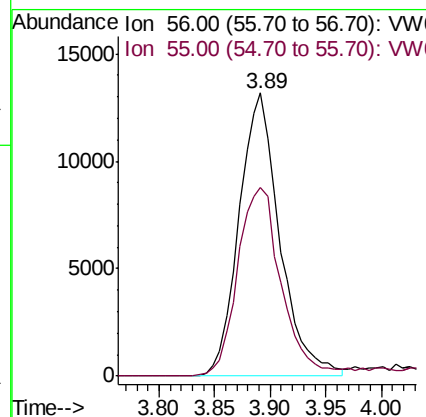
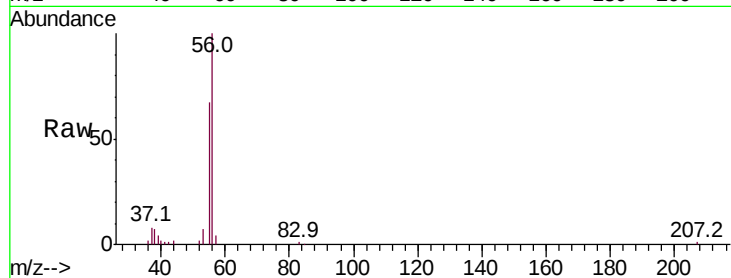
ClientSampled :

Tot Ion: 56 Resp: 33454

Ion Ratio Lower Upper

56 100

55 71.2 55.4 83.0



#14

Allyl chloride

Concen: 47.897 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

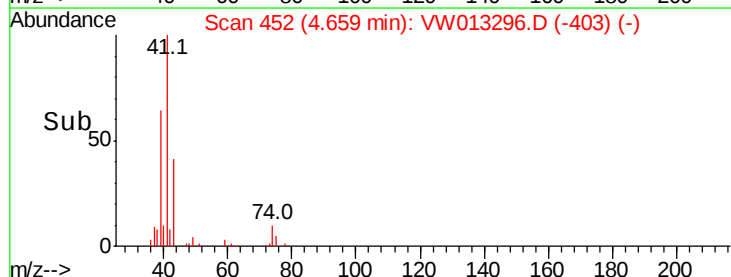
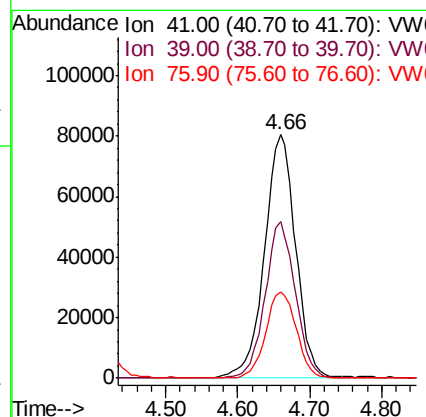
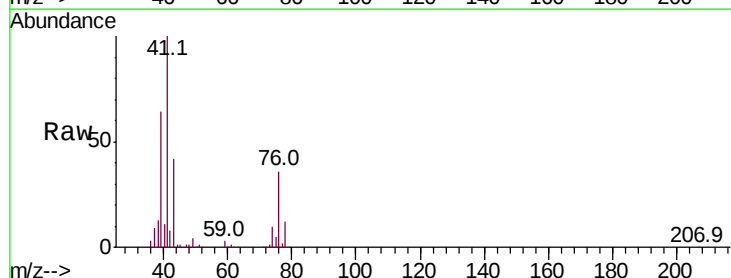
Tgt Ion: 41 Resp: 241663

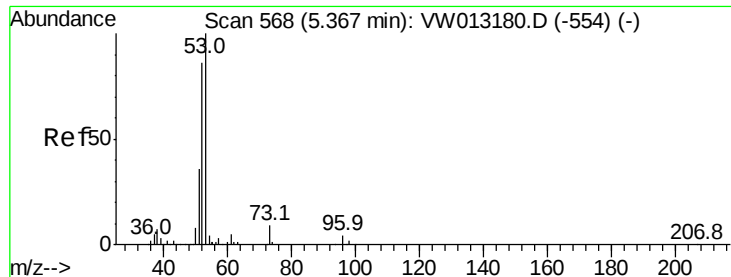
Ion Ratio Lower Upper

41 100

39 62.4 51.0 76.4

76 34.7 28.4 42.6





#15

Acrylonitrile

Concen: 258.377 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

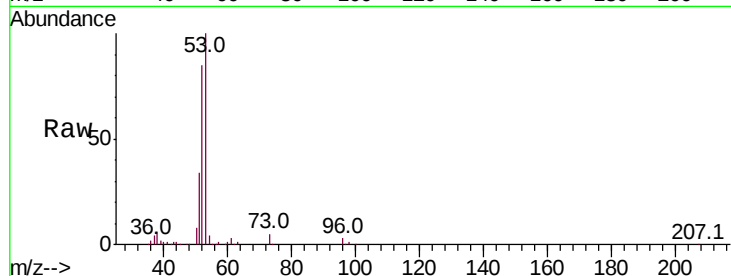
Tot Ion: 53 Resp: 179125

Ion Ratio Lower Upper

53 100

52 81.6 65.3 97.9

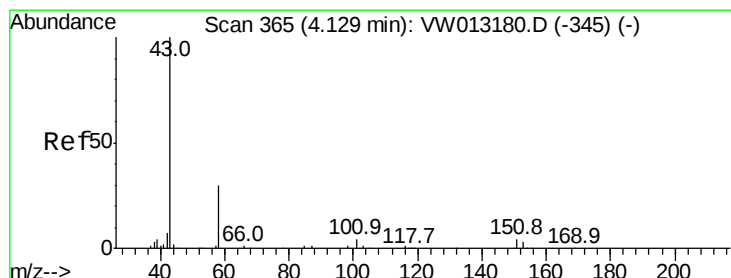
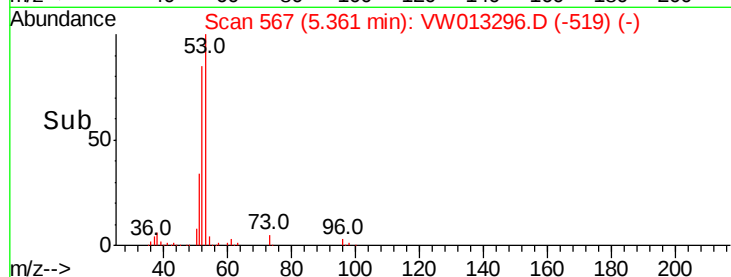
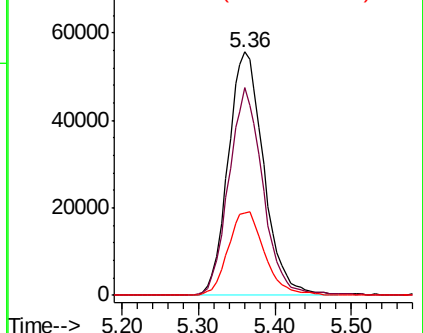
51 35.3 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 239.039 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013296.D

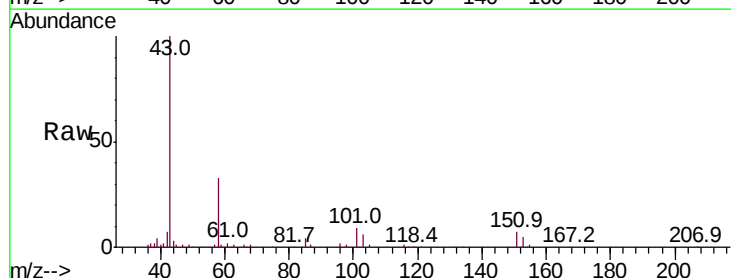
Acq: 25 Sep 2019 17:11

Tgt Ion: 43 Resp: 150085

Ion Ratio Lower Upper

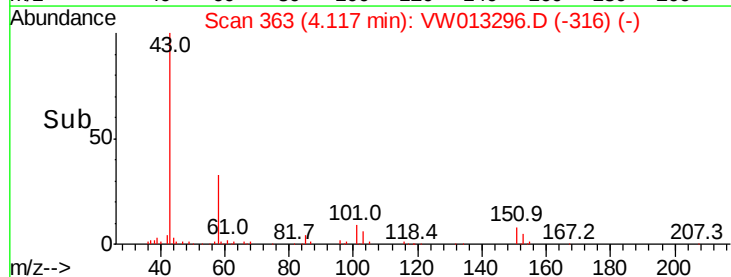
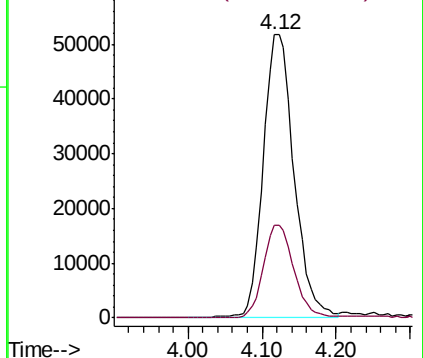
43 100

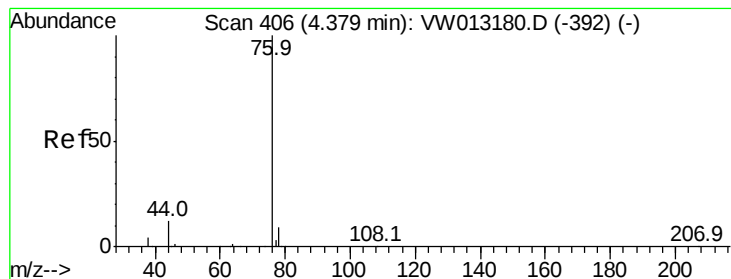
58 32.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 44.581 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

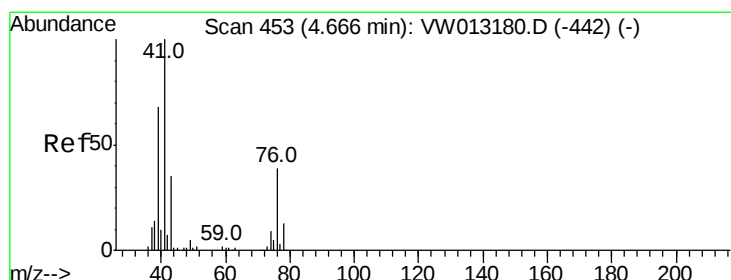
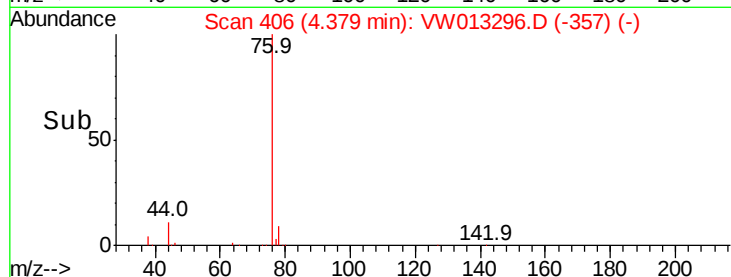
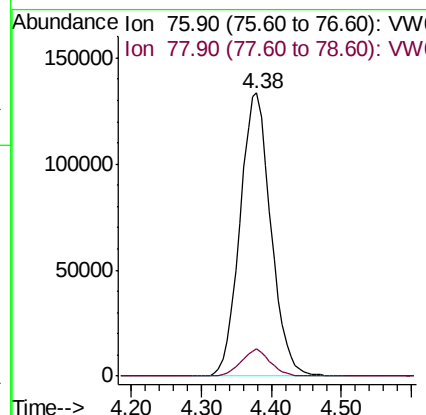
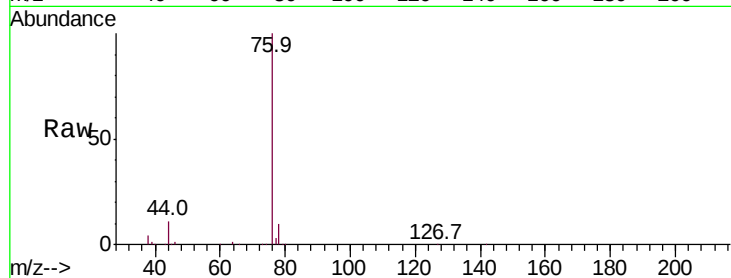
ClientSampleId :

Tot Ion: 76 Resp: 408505

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4



#18

Methyl Acetate

Concen: 58.044 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013296.D

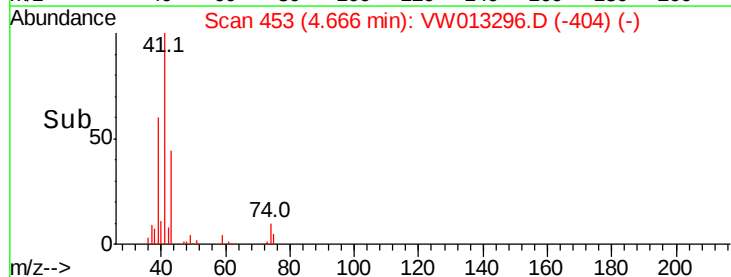
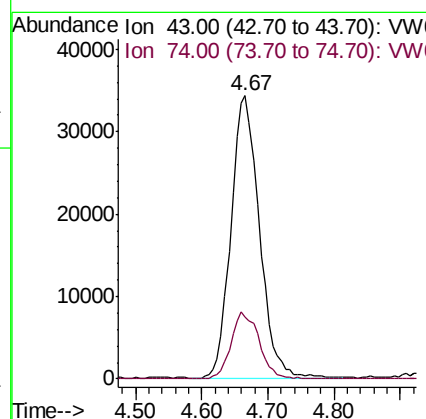
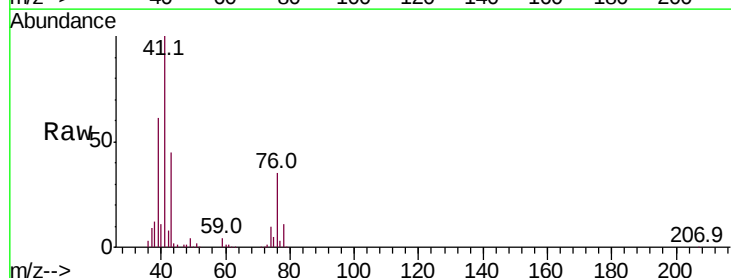
Acq: 25 Sep 2019 17:11

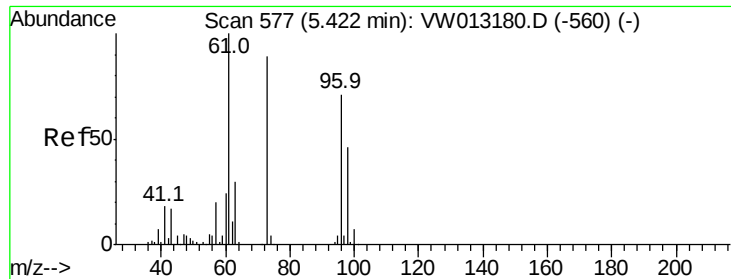
Tgt Ion: 43 Resp: 102443

Ion Ratio Lower Upper

43 100

74 23.5 19.3 28.9

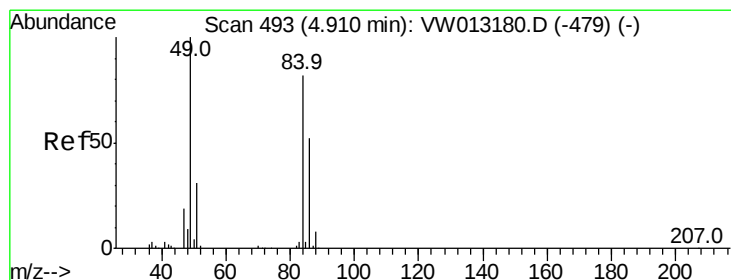
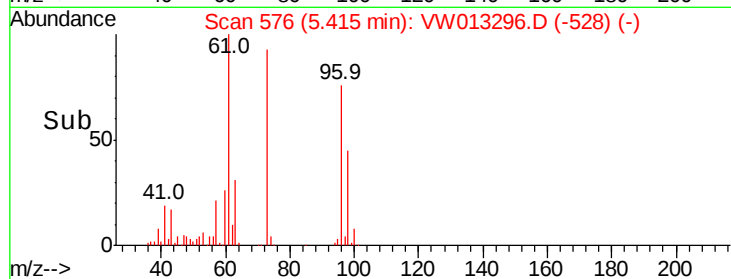
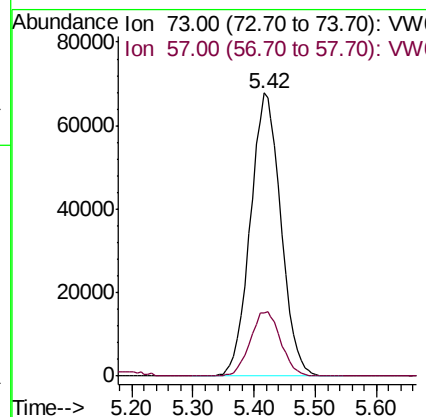
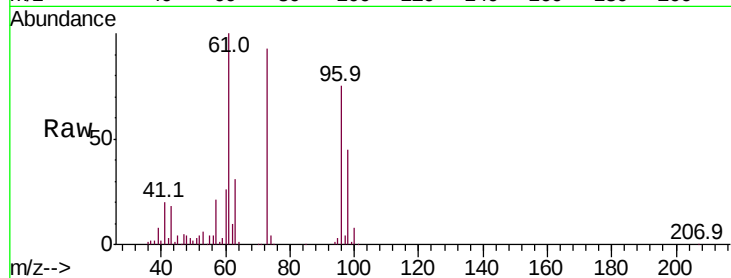




#19
Methvl tert-butvl Ether
Concen: 48.518 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

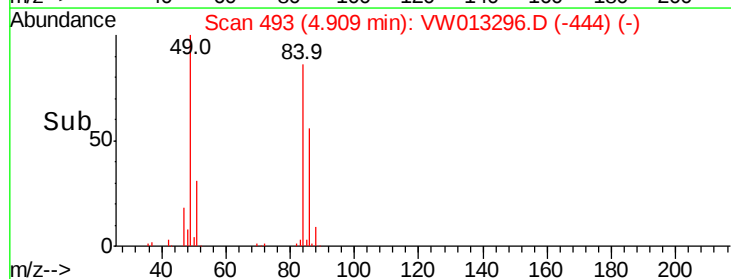
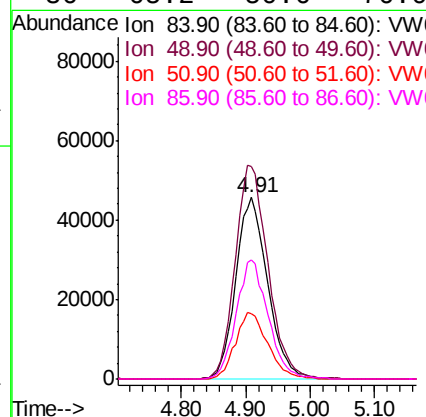
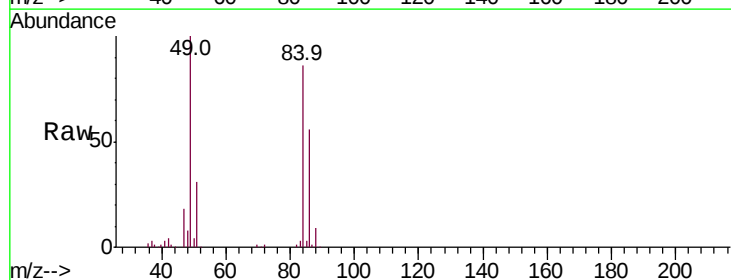
Instrument :
MSVOA_W
ClientSampleId :

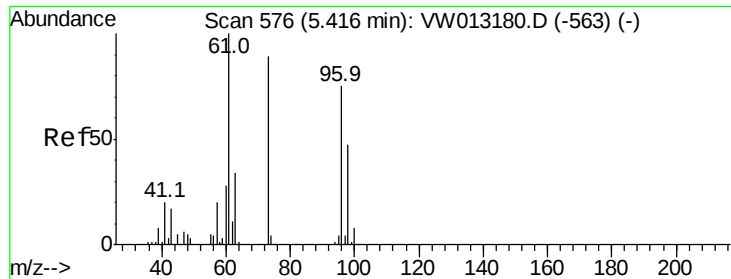
Tot Ion: 73 Resp: 235738
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4



#20
Methylene Chloride
Concen: 48.986 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 84 Resp: 157489
Ion Ratio Lower Upper
84 100
49 117.0 97.6 146.4
51 36.3 30.2 45.2
86 65.2 50.6 76.0

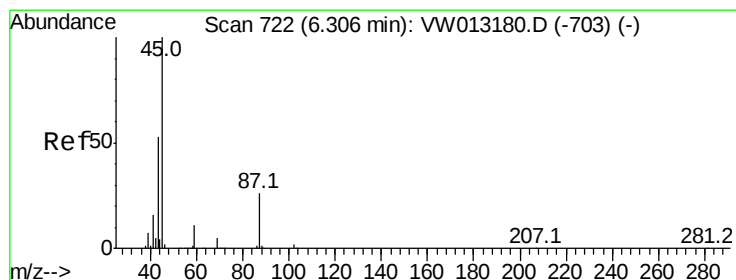
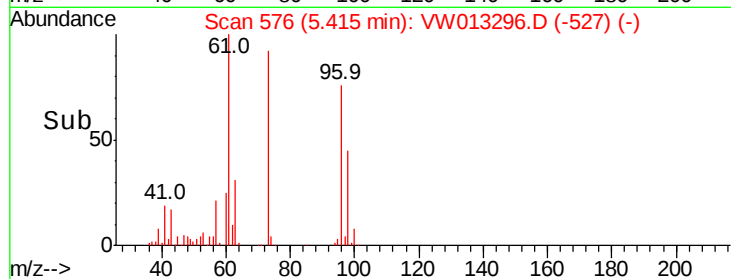
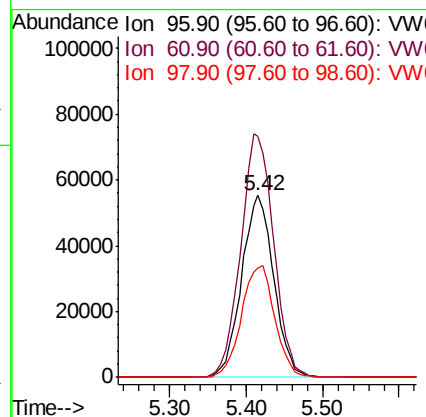
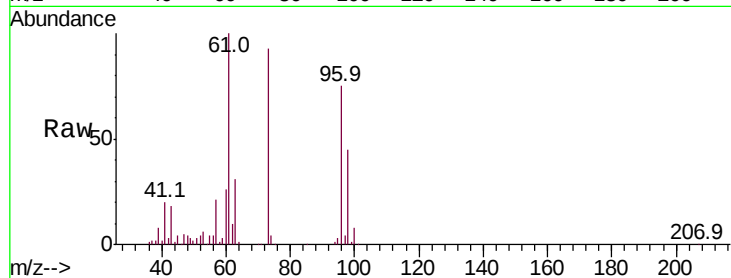




#21
trans-1,2-Dichloroethene
Concen: 47.106 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

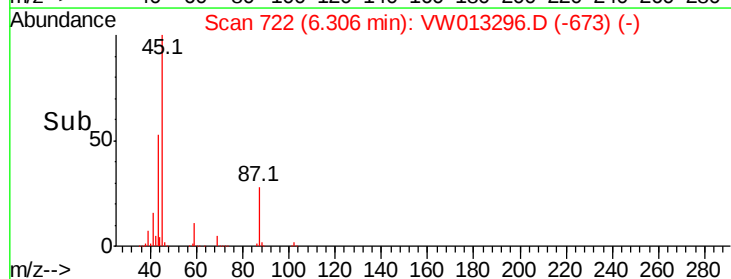
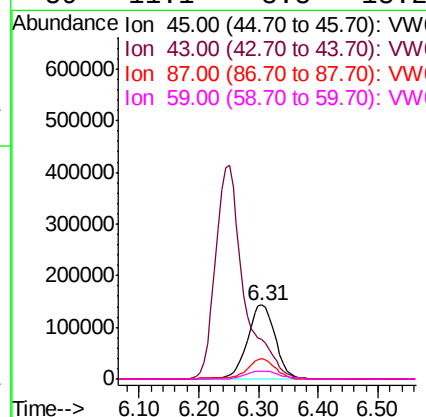
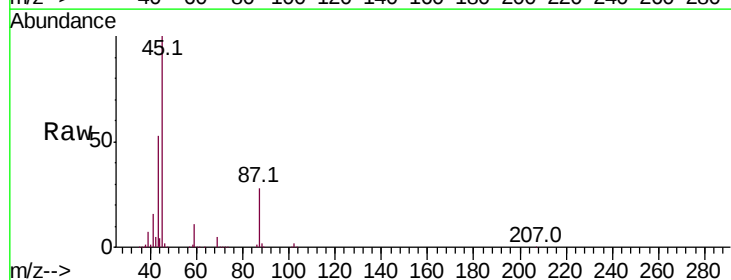
Instrument :
MSVOA_W
ClientSampled :

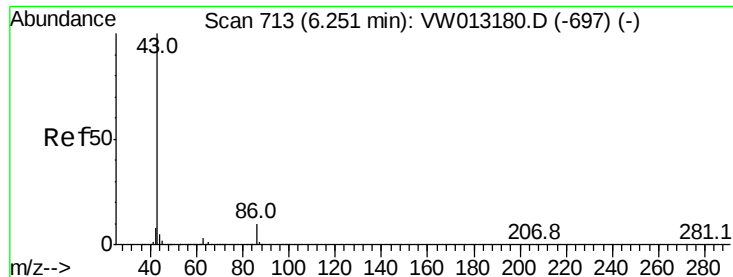
Tot Ion: 96 Resp: 161408
Ion Ratio Lower Upper
96 100
61 132.6 106.6 159.8
98 59.9 49.8 74.8



#22
Diisopropyl ether
Concen: 48.619 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 45 Resp: 466468
Ion Ratio Lower Upper
45 100
43 52.3 42.4 63.6
87 27.9 20.4 30.6
59 11.1 8.8 13.2





#23

Vinyl Acetate

Concen: 241.041 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

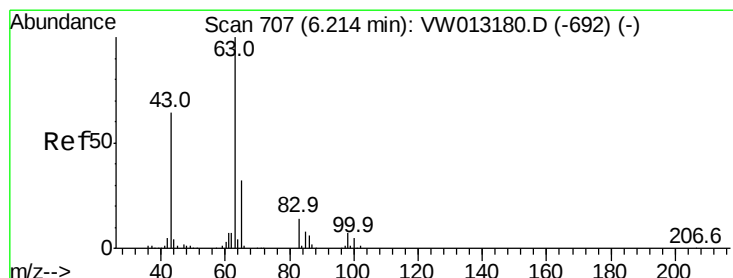
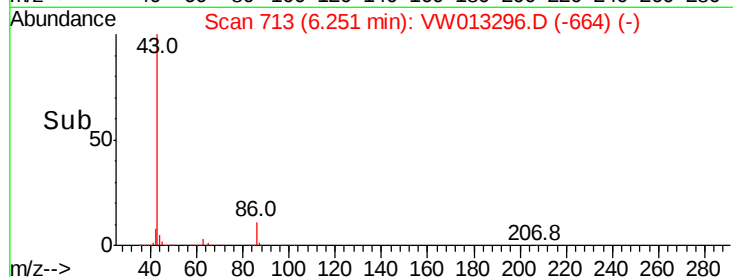
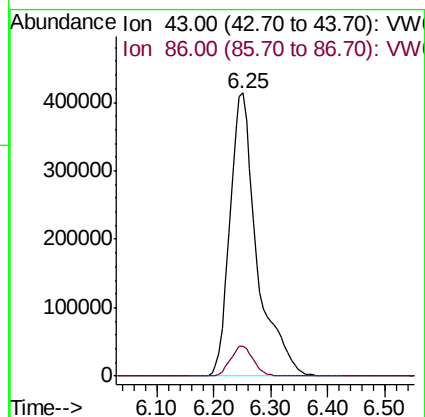
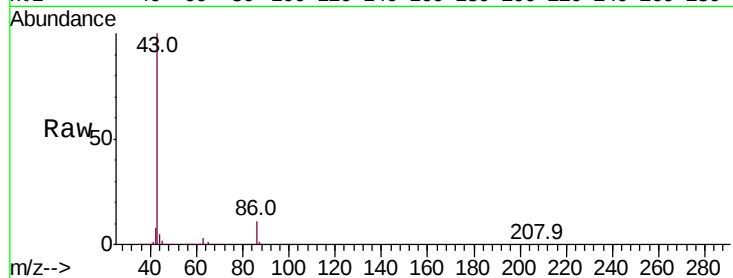
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1371986

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 47.012 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

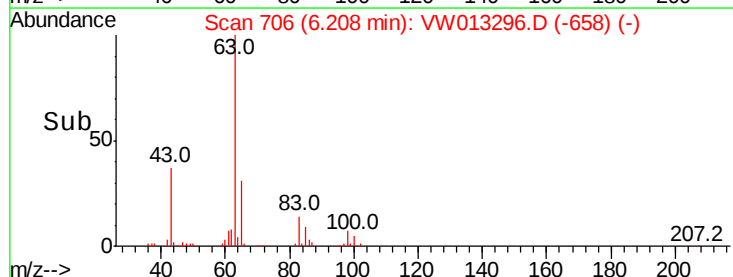
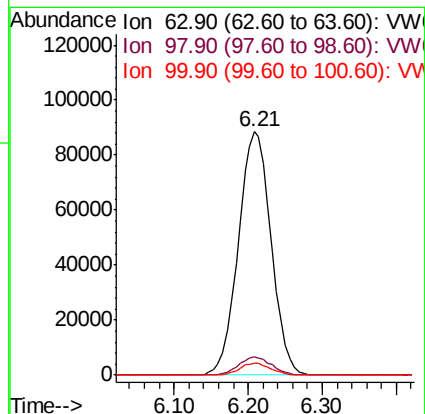
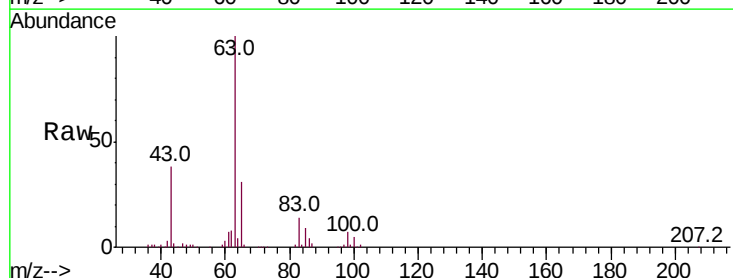
Tgt Ion: 63 Resp: 272176

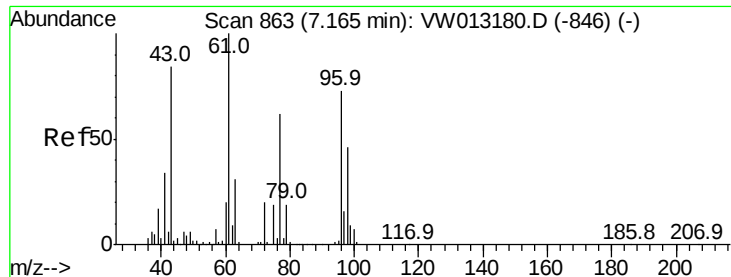
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 242.308 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

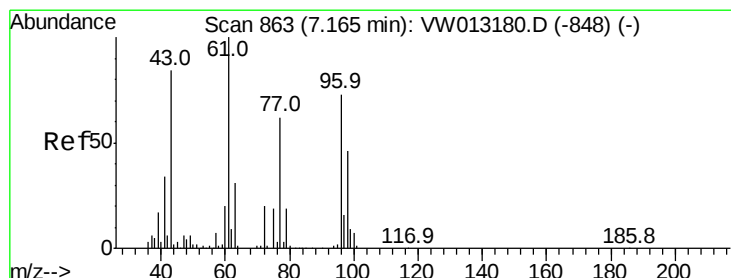
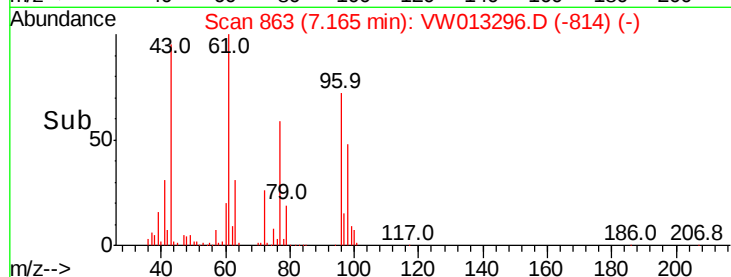
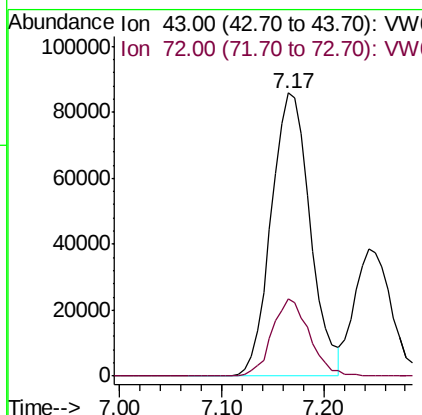
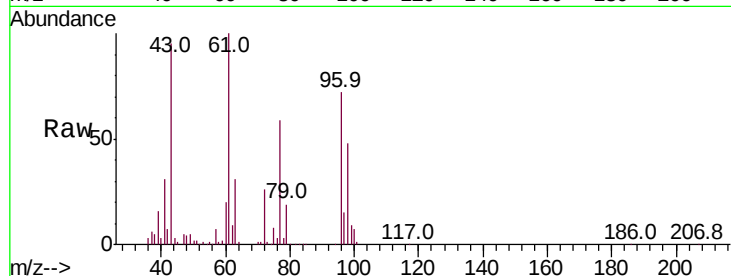
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 228383

Ion Ratio Lower Upper

43 100

72 27.2 19.4 29.0



#26

2,2-Dichloropropane

Concen: 44.953 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013296.D

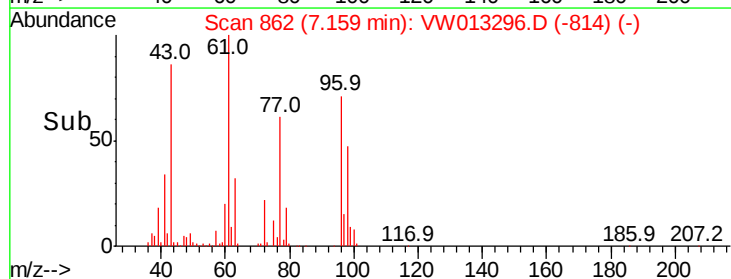
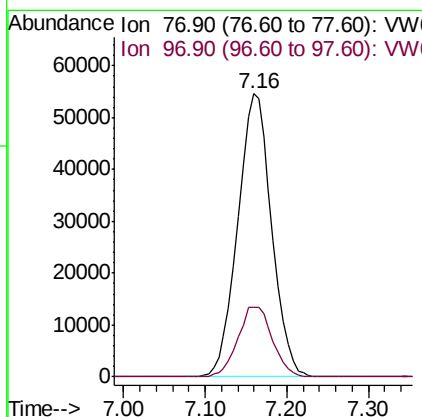
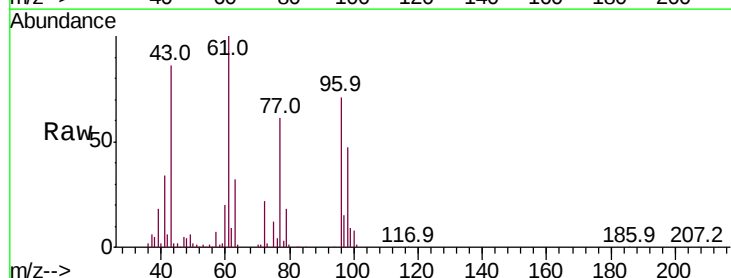
Acq: 25 Sep 2019 17:11

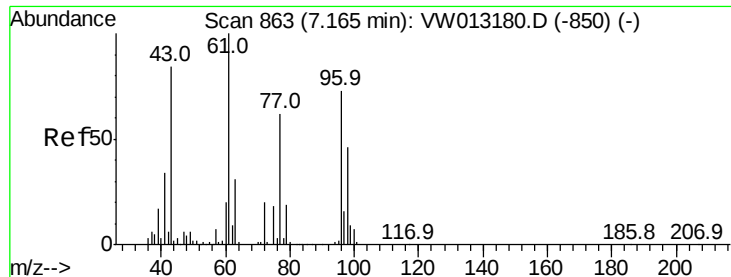
Tgt Ion: 77 Resp: 156885

Ion Ratio Lower Upper

77 100

97 25.3 11.8 35.4



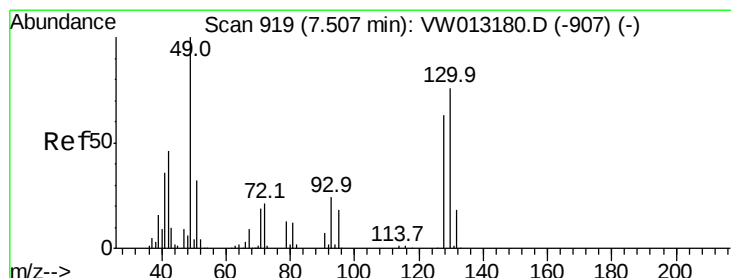
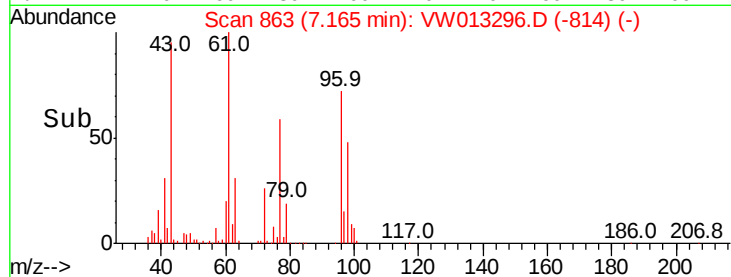
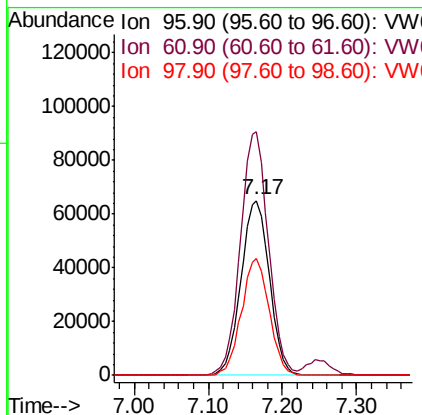
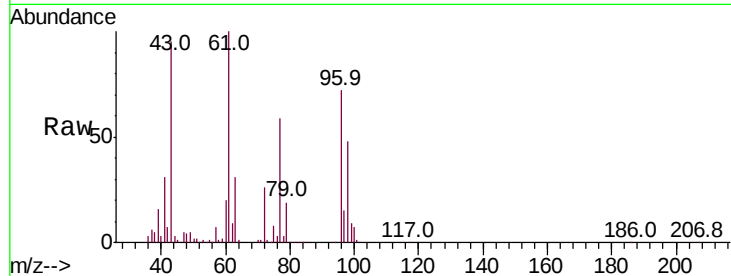


#27

cis-1,2-Dichloroethene
Concen: 48.150 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampleId :

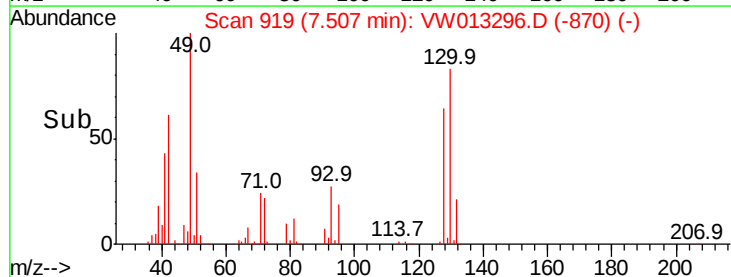
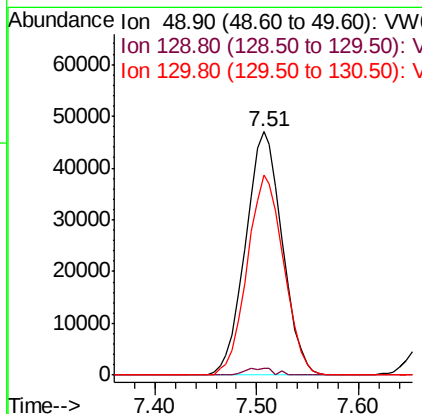
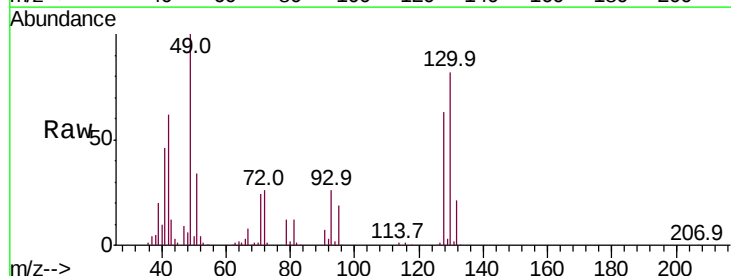
Tot Ion: 96 Resp: 174115
Ion Ratio Lower Upper
96 100
61 137.7 0.0 282.4
98 65.2 0.0 128.2

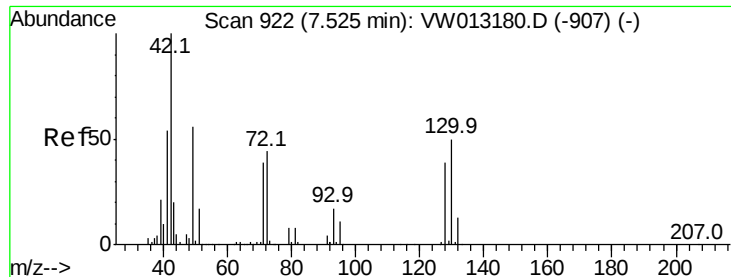


#28

Bromochloromethane
Concen: 52.916 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 49 Resp: 117581
Ion Ratio Lower Upper
49 100
129 2.3 0.0 1.0#
130 81.5 63.4 95.2

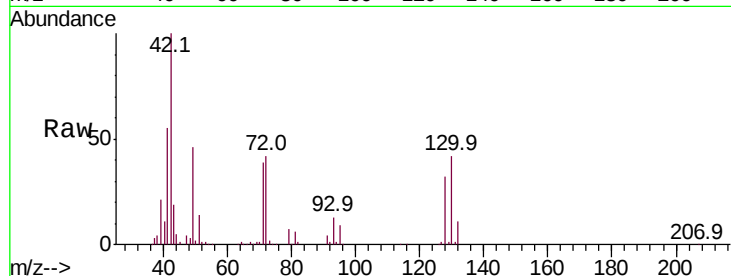




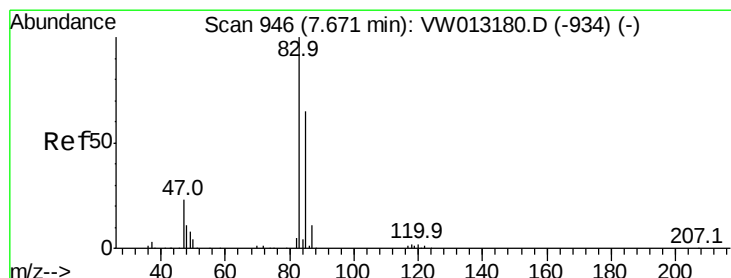
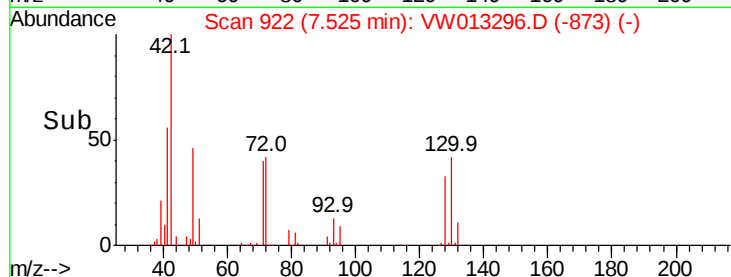
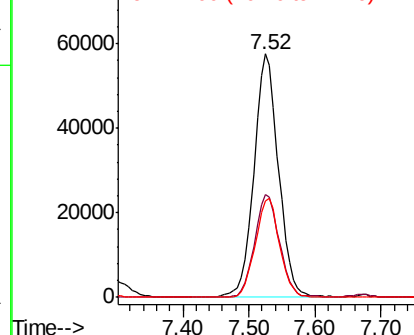
#29
Tetrahydrofuran
Concen: 258.048 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 149158
Ion Ratio Lower Upper
42 100
72 42.6 33.9 50.9
71 40.4 31.9 47.9

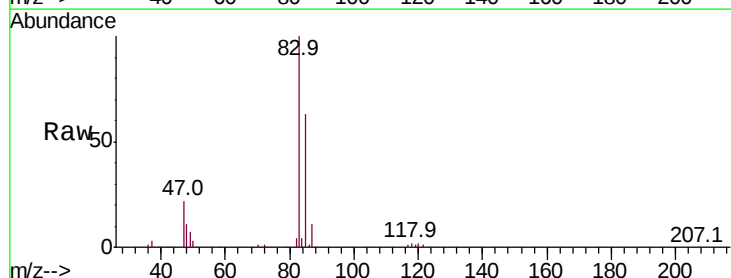


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

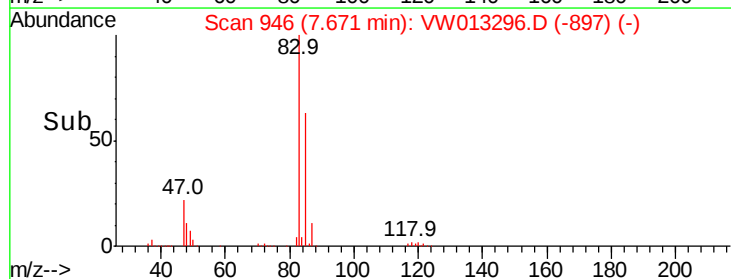
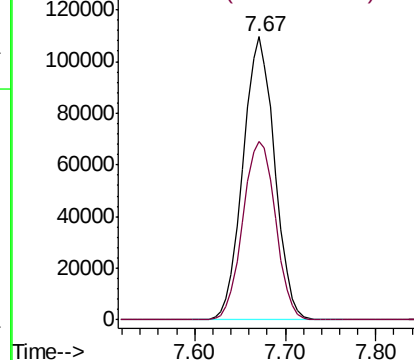


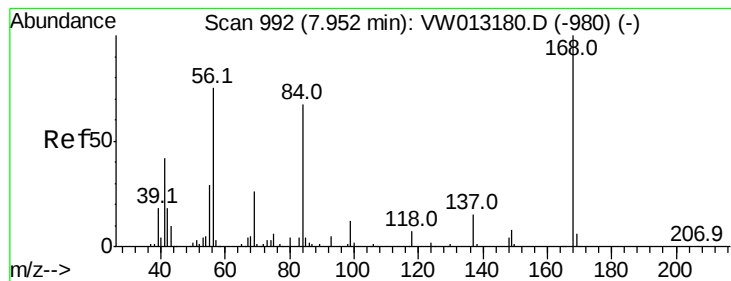
#30
Chloroform
Concen: 46.672 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 83 Resp: 264547
Ion Ratio Lower Upper
83 100
85 63.2 52.3 78.5



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





#31

Cyclohexane

Concen: 44.026 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampleId :

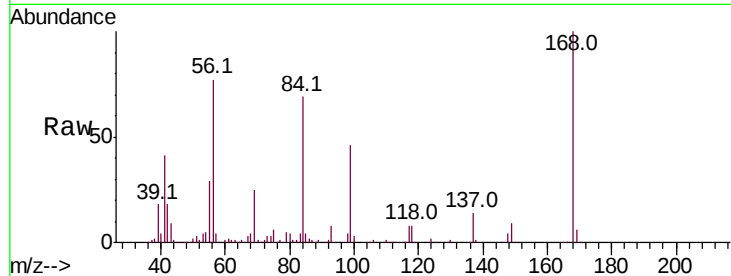
Tot Ion: 56 Resp: 265699

Ion Ratio Lower Upper

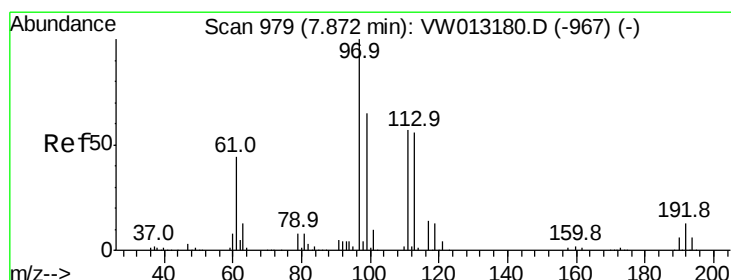
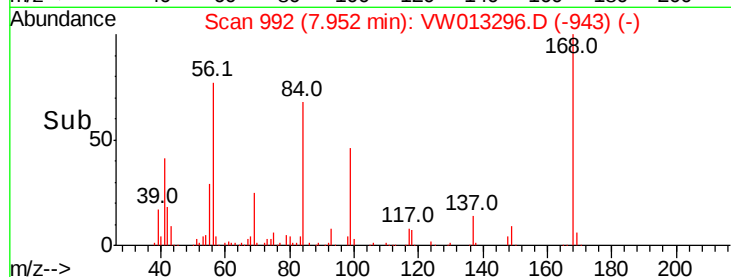
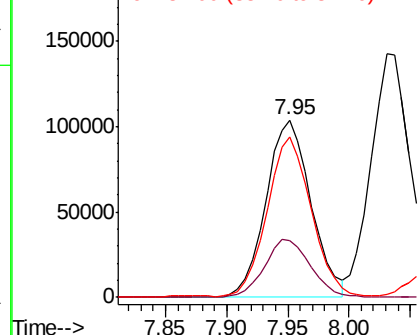
56 100

69 31.9 27.2 40.8

84 89.3 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 46.915 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

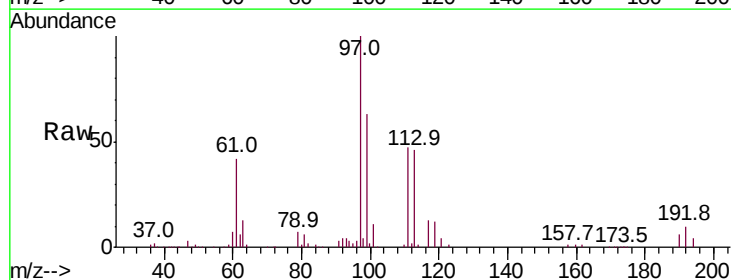
Tgt Ion: 97 Resp: 215378

Ion Ratio Lower Upper

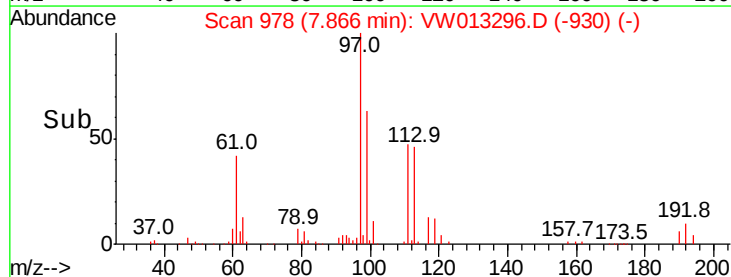
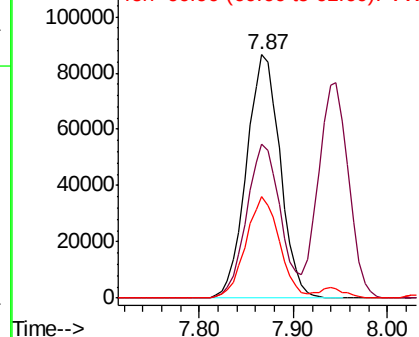
97 100

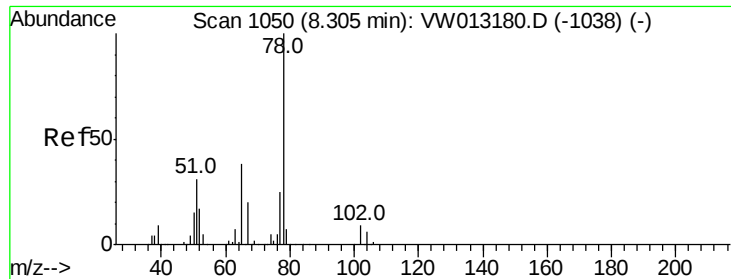
99 64.3 51.7 77.5

61 41.6 34.6 51.8



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

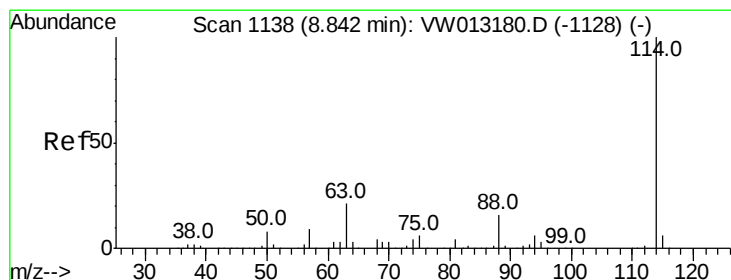
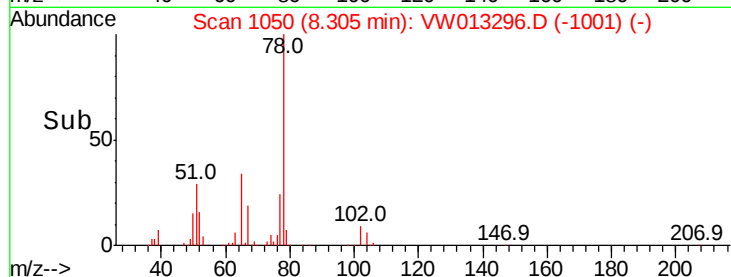
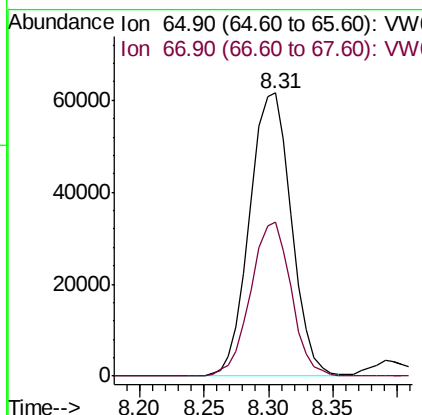
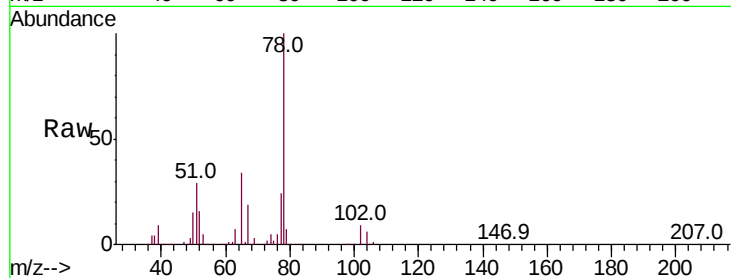




#33
 1,2-Dichloroethane-d4
 Concen: 49.673 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

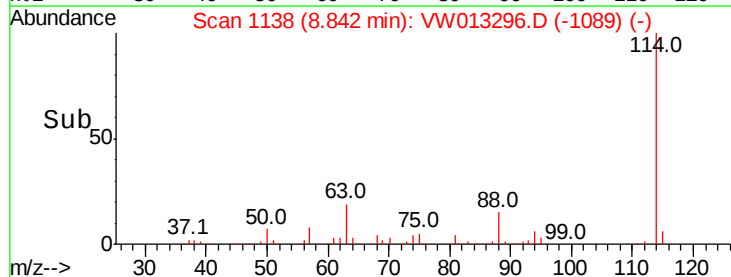
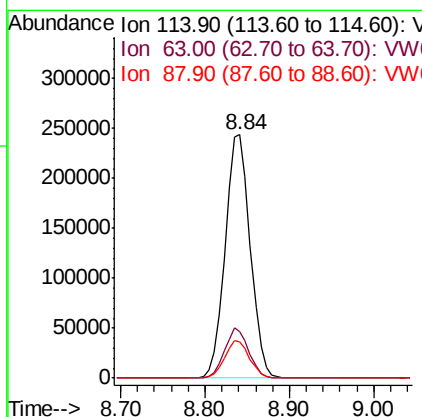
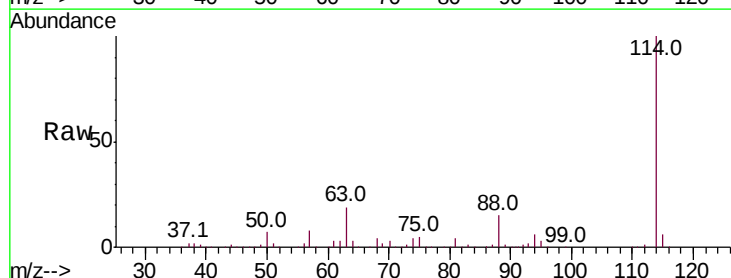
Instrument :
 MSVOA_W
 ClientSampleId :

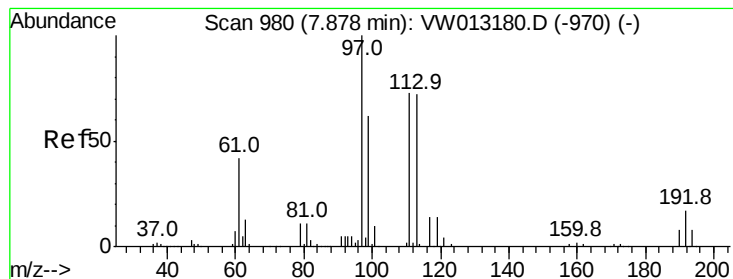
Tot Ion: 65 Resp: 138300
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Tgt Ion: 114 Resp: 493587
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.075 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

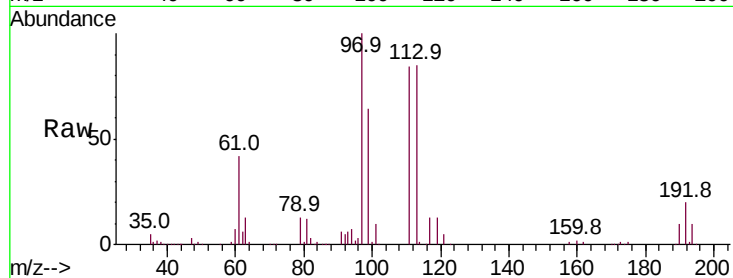
Tot Ion:113 Resp: 138654

Ion Ratio Lower Upper

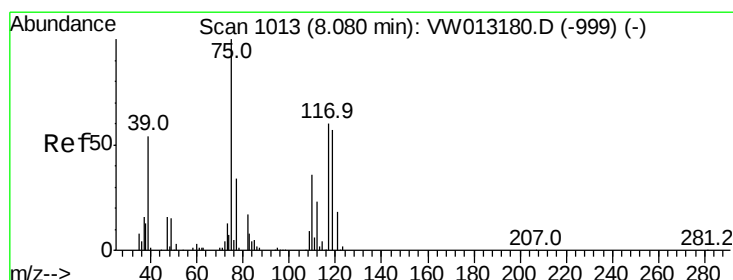
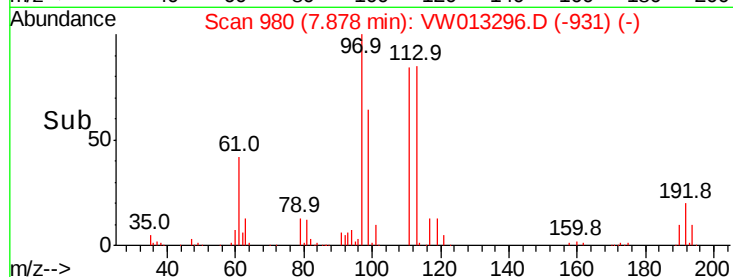
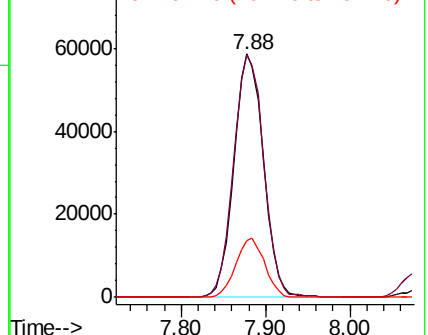
113 100

111 101.7 81.9 122.9

192 23.7 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: 46.644 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

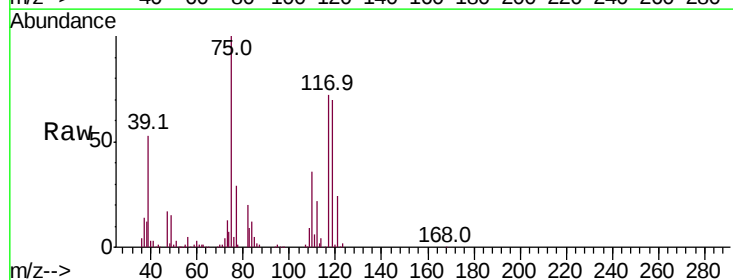
Tgt Ion: 75 Resp: 222992

Ion Ratio Lower Upper

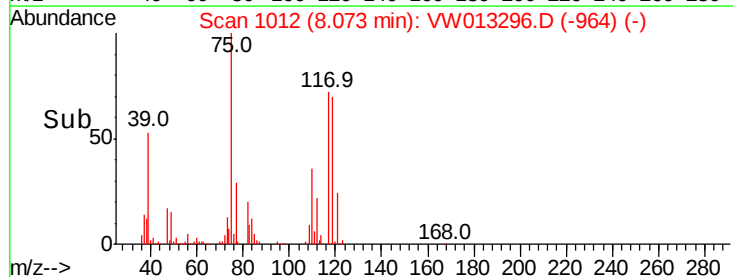
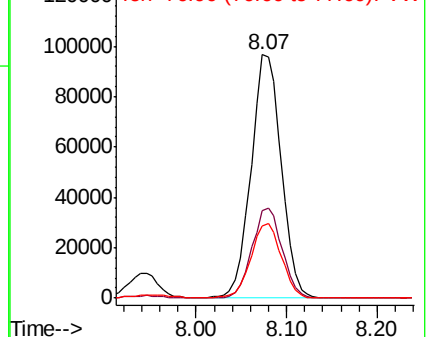
75 100

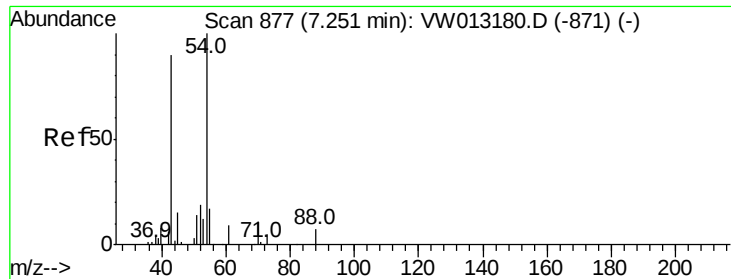
110 36.7 18.1 54.3

77 31.0 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

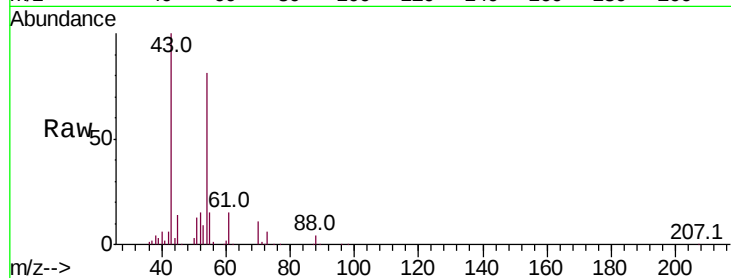




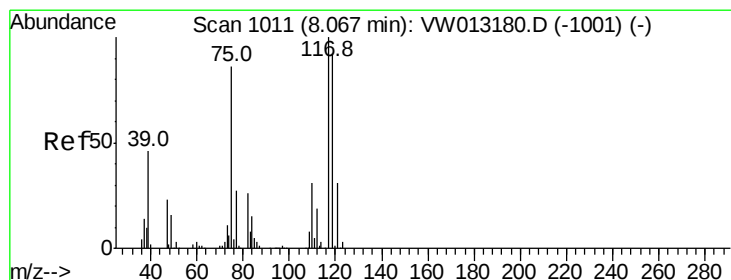
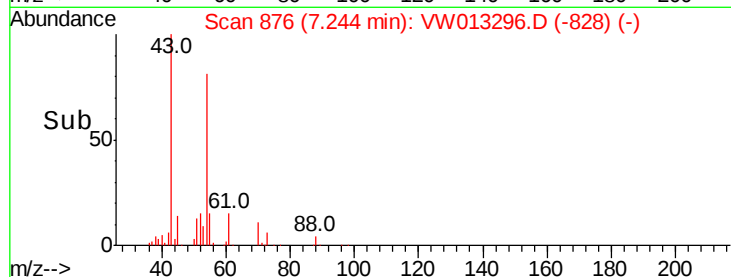
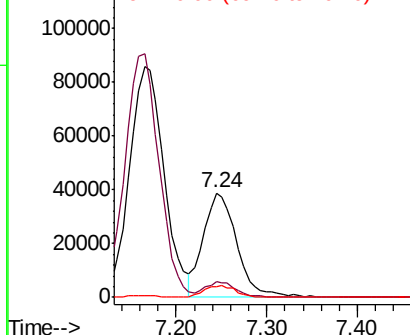
#37
Ethyl Acetate
Concen: 49.209 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 99985
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 10.8 8.2 12.2

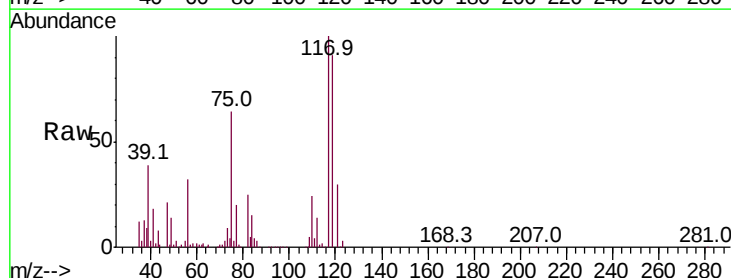


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

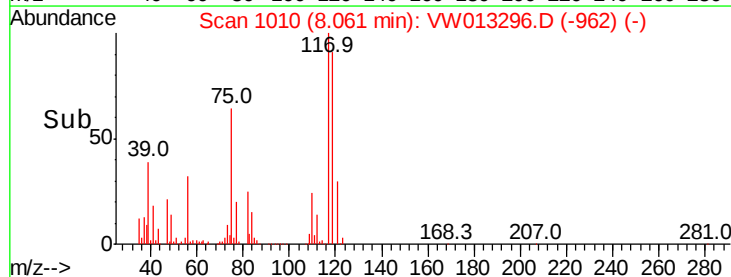
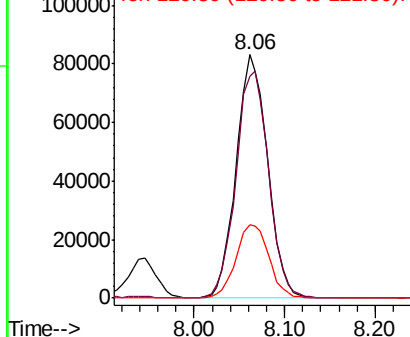


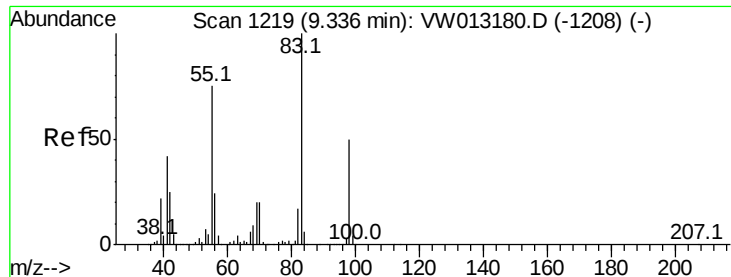
#38
Carbon Tetrachloride
Concen: 46.804 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 117 Resp: 200582
Ion Ratio Lower Upper
117 100
119 91.2 73.5 110.3
121 30.3 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

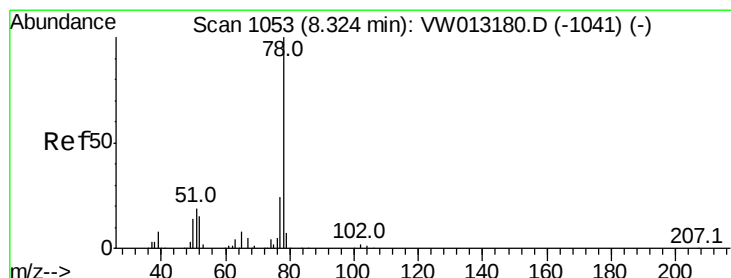
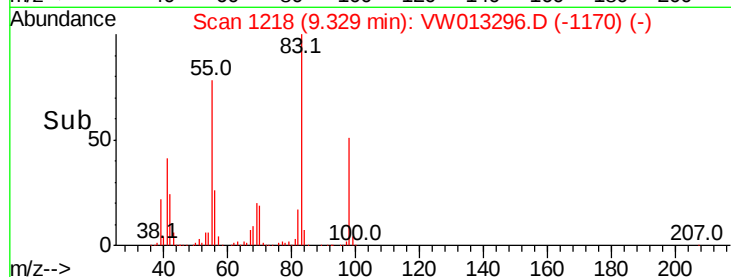
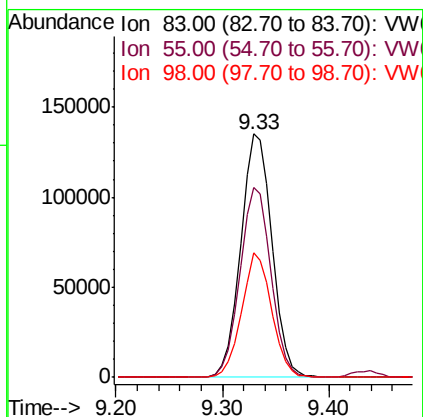
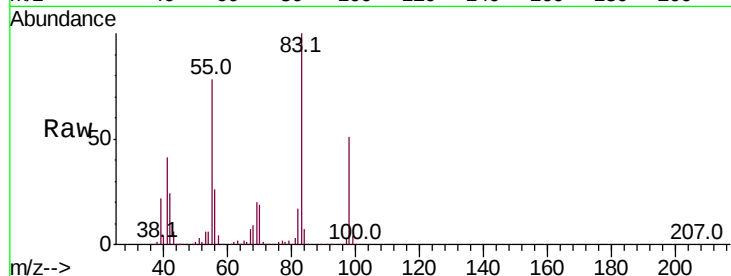




#39
Methvlcvclohexane
Concen: 45.298 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

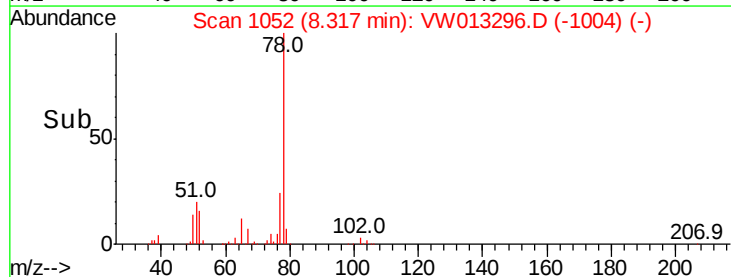
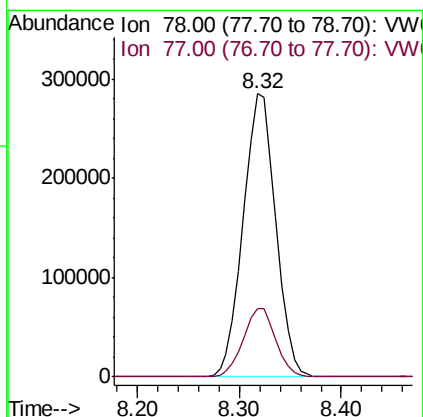
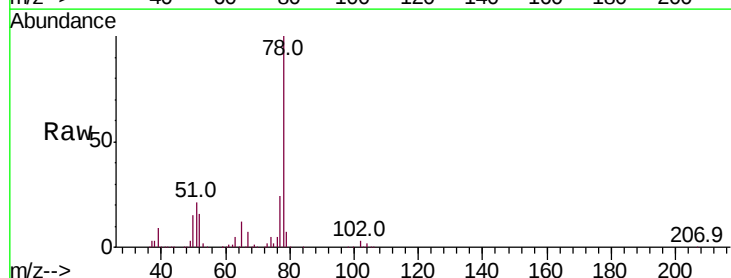
Instrument :
MSVOA_W
ClientSampleId :

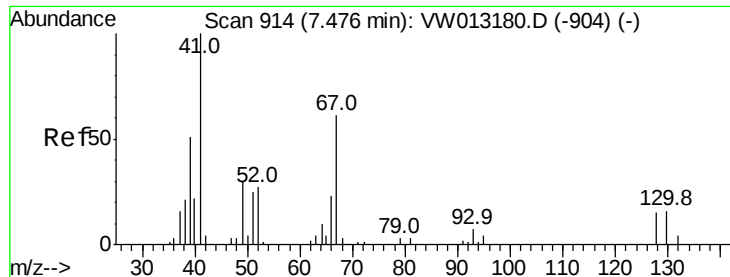
Tot Ion: 83 Resp: 278301
Ion Ratio Lower Upper
83 100
55 78.2 60.4 90.6
98 51.0 40.0 60.0



#40
Benzene
Concen: 47.639 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 78 Resp: 635256
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

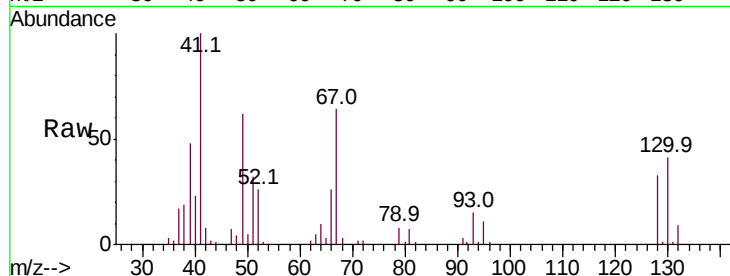




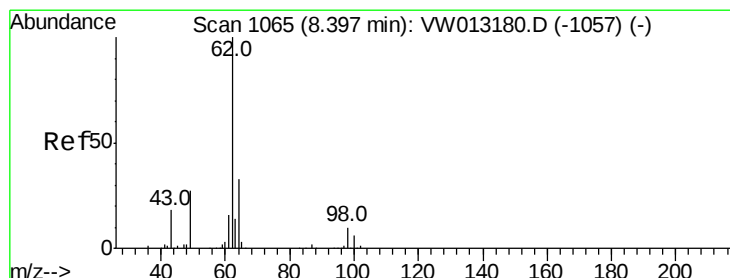
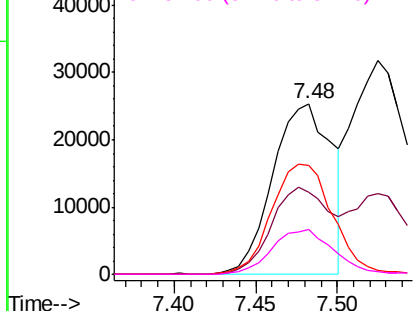
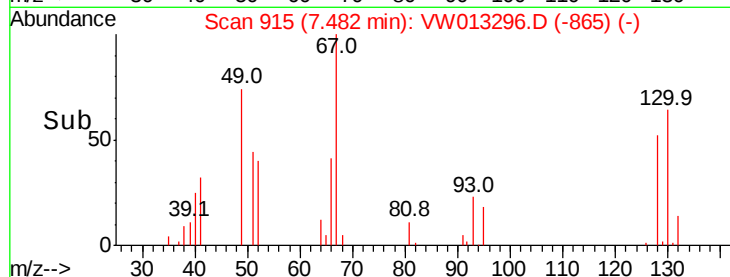
#41
Methacrylonitrile
Concen: 52.537 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	63709
Ion	Ratio	Lower	Upper
41	100		
39	50.8	45.9	68.9
67	67.0	54.5	81.7
52	27.7	22.5	33.7

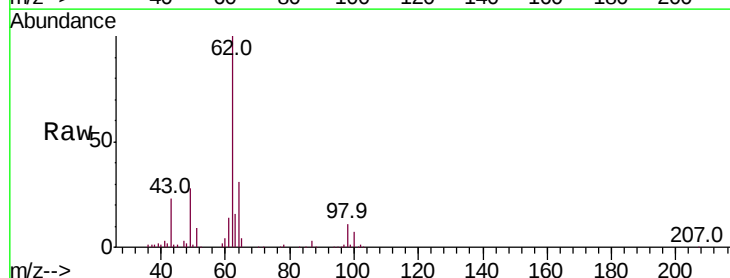


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

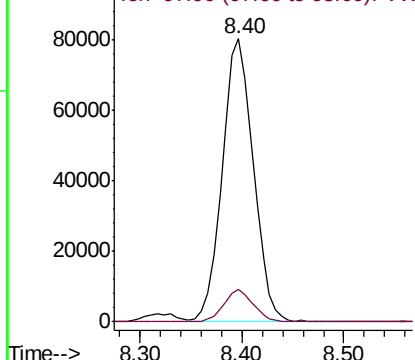
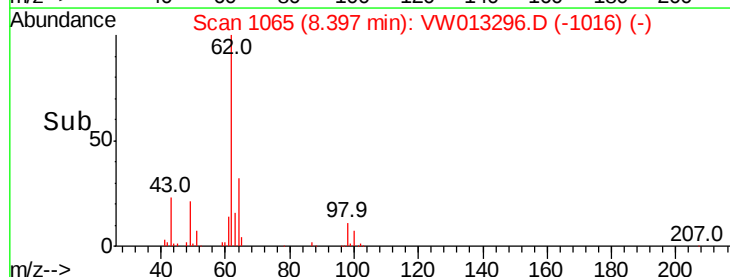


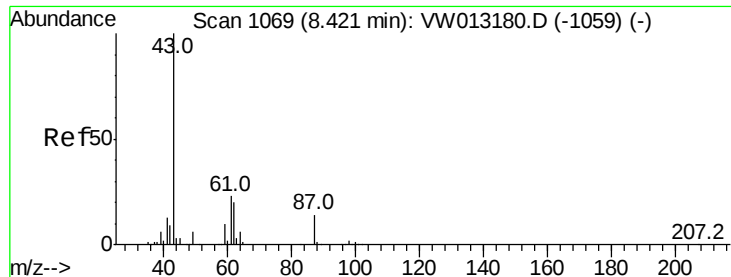
#42
1,2-Dichloroethane
Concen: 47.278 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion:	62	Resp:	169475
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 48.615 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

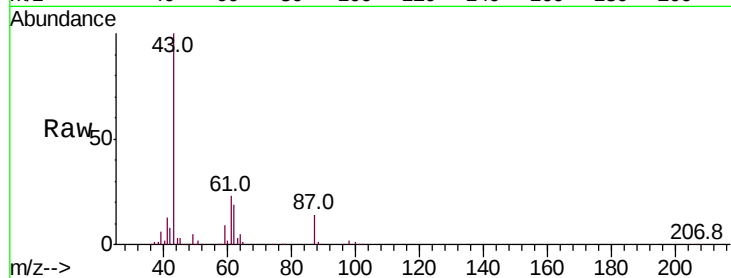
Tot Ion: 43 Resp: 189316

Ion Ratio Lower Upper

43 100

61 30.4 25.5 38.3

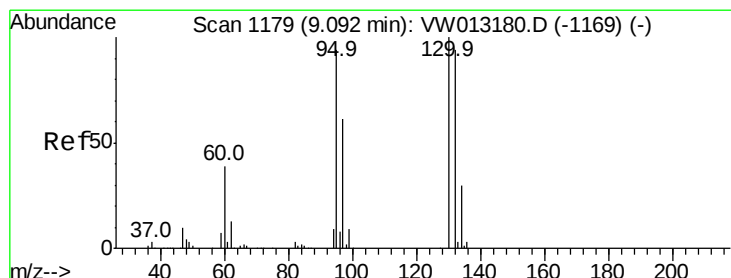
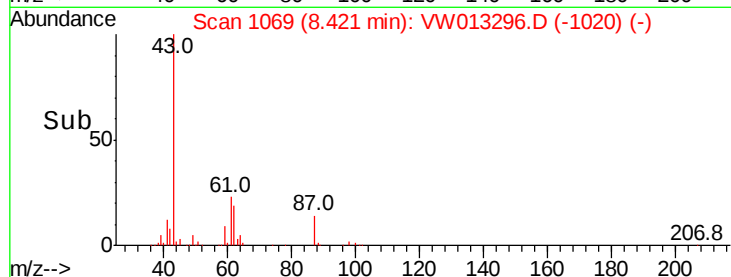
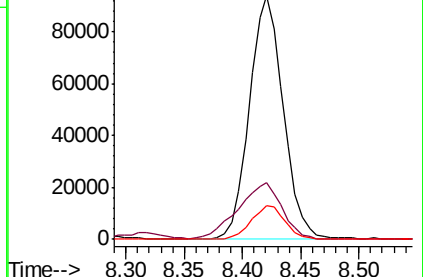
87 13.9 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 46.396 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013296.D

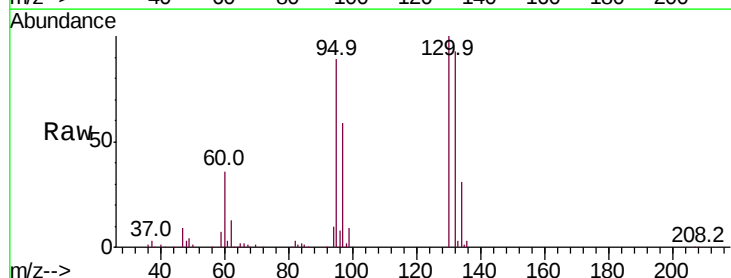
Acq: 25 Sep 2019 17:11

Tgt Ion:130 Resp: 173583

Ion Ratio Lower Upper

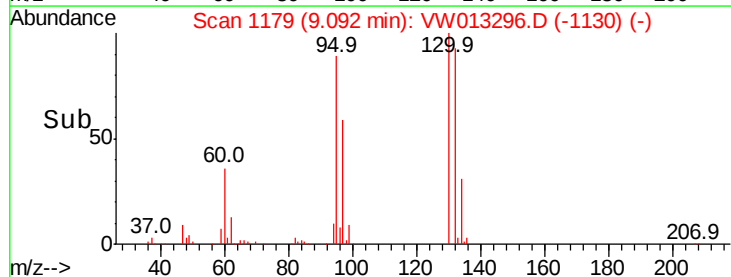
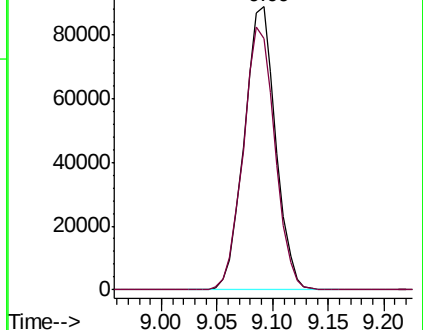
130 100

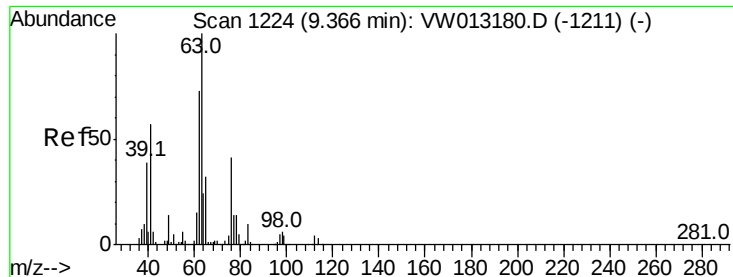
95 88.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 47.512 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

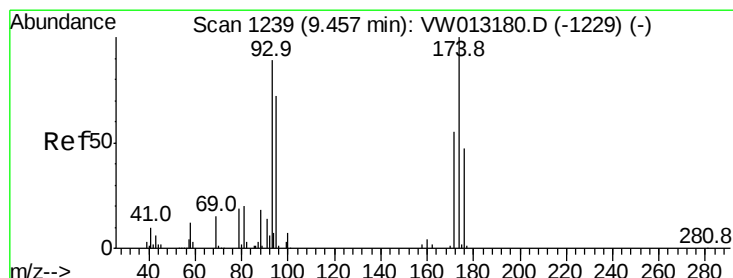
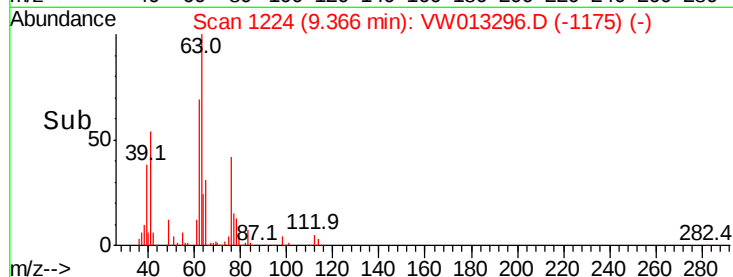
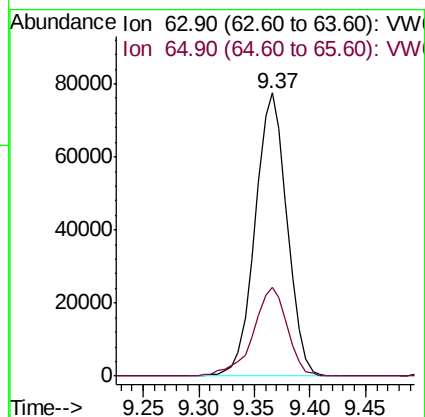
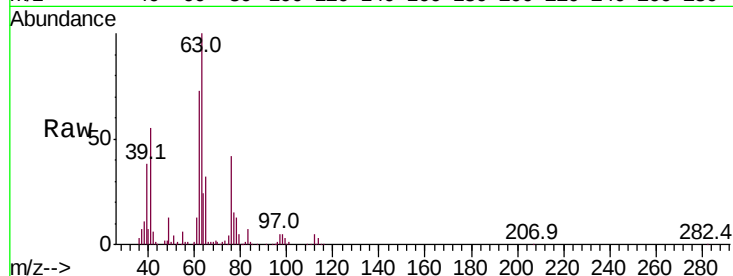
ClientSampleId :

Tot Ion: 63 Resp: 154681

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9



#46

Dibromomethane

Concen: 49.007 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

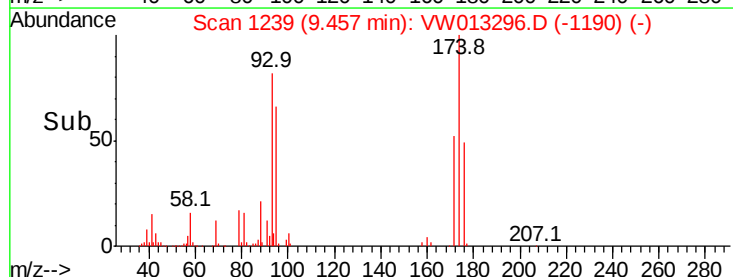
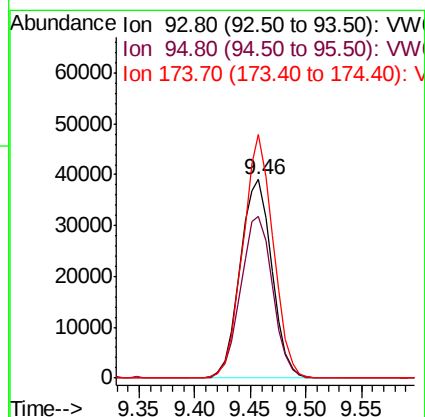
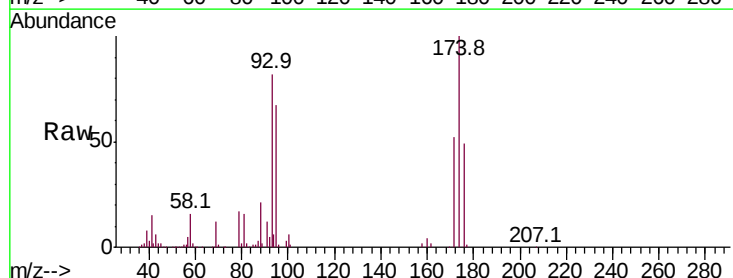
Tgt Ion: 93 Resp: 77460

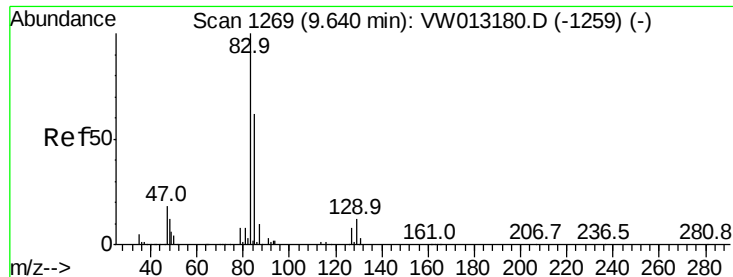
Ion Ratio Lower Upper

93 100

95 82.4 66.4 99.6

174 117.0 93.0 139.6





#47

Bromodichloromethane

Concen: 47.817 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

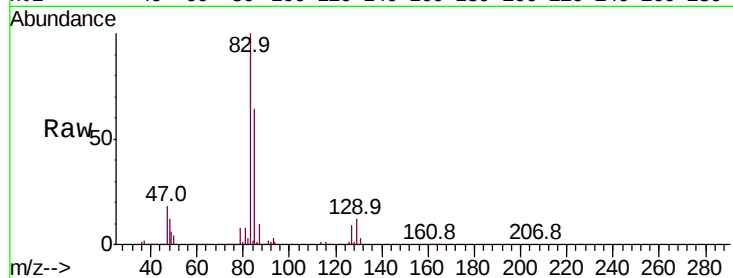
Tot Ion: 83 Resp: 192315

Ion Ratio Lower Upper

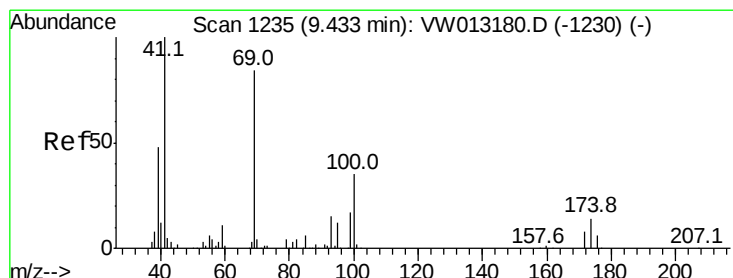
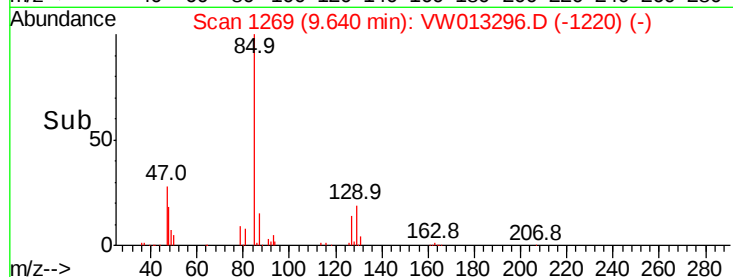
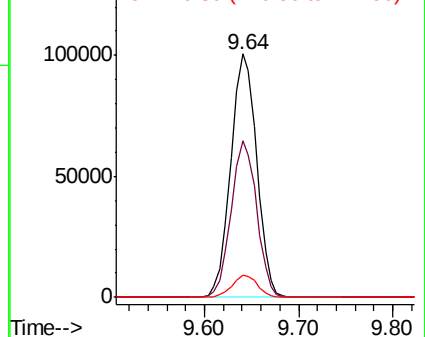
83 100

85 64.4 49.4 74.2

127 8.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.136 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

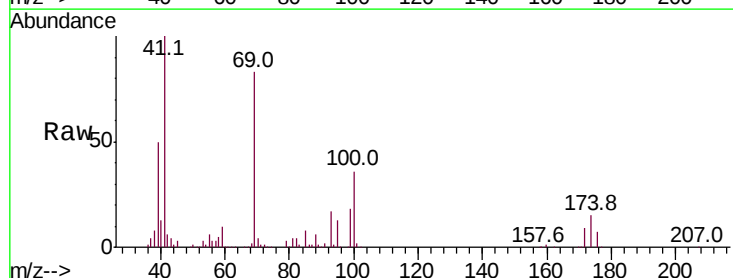
Tgt Ion: 41 Resp: 97298

Ion Ratio Lower Upper

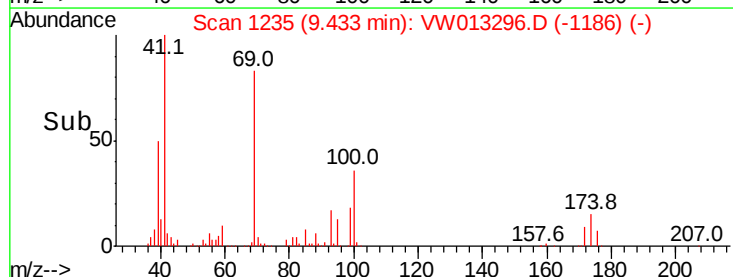
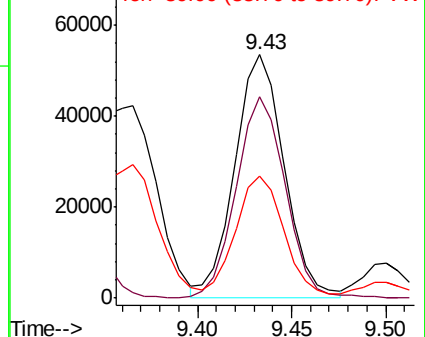
41 100

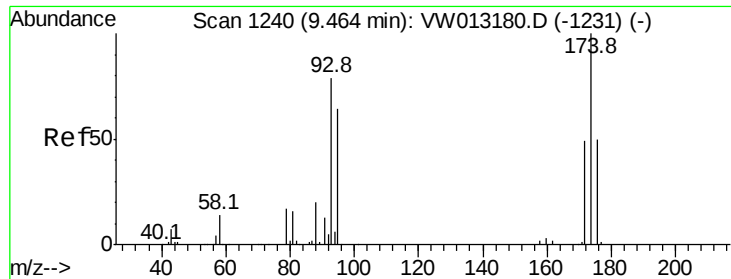
69 82.3 69.7 104.5

39 45.8 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

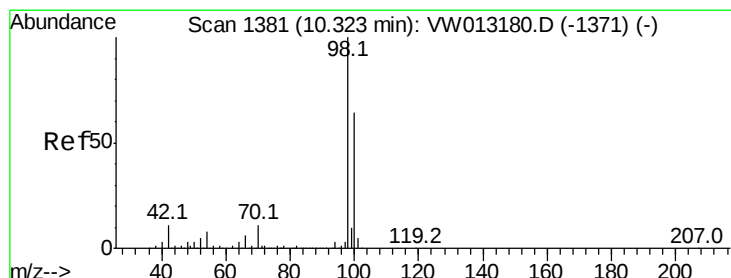
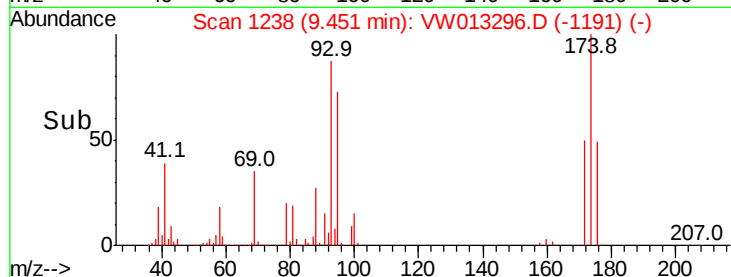
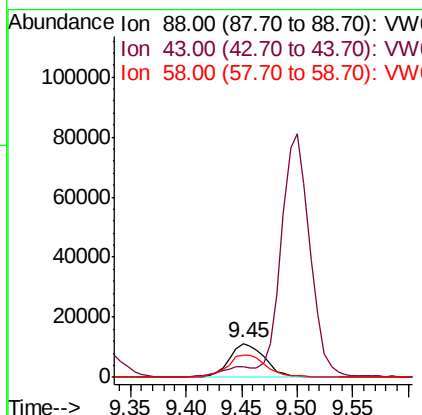
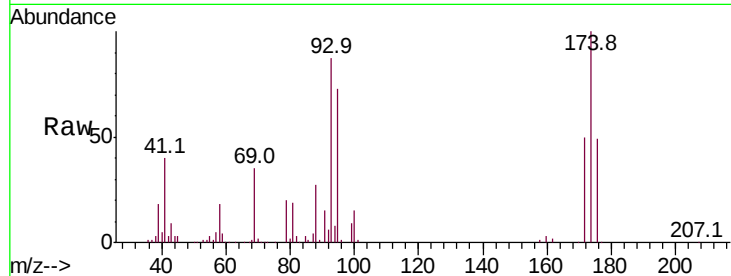




#49
1,4-Dioxane
Concen: 1056.744 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

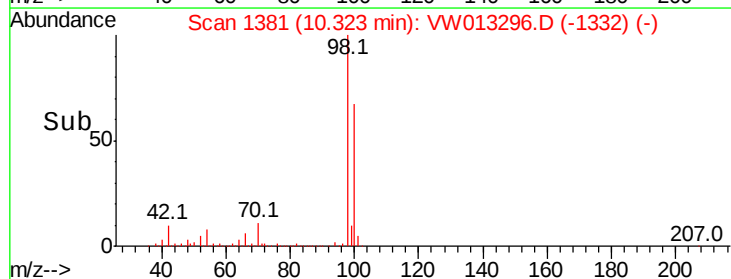
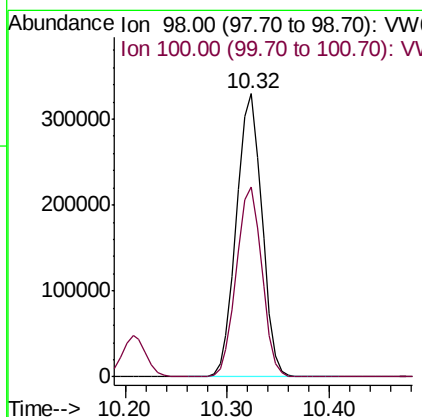
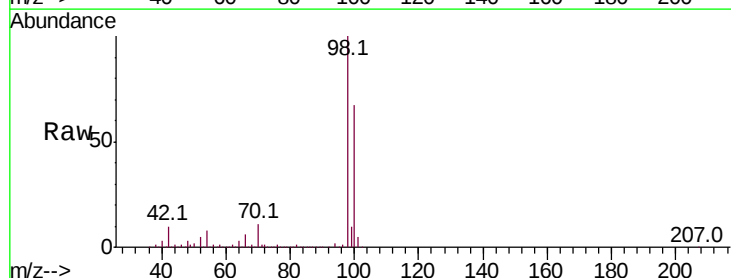
Instrument :
MSVOA_W
ClientSampleId :

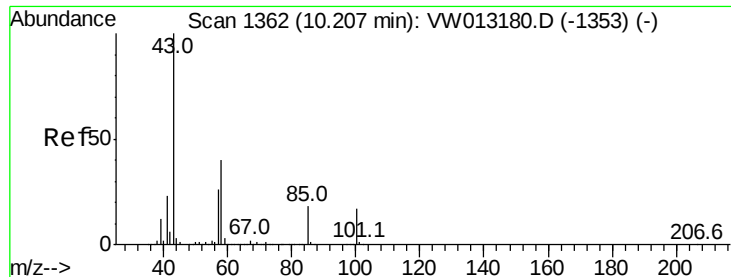
Tot Ion: 88 Resp: 25072
Ion Ratio Lower Upper
88 100
43 26.2 0.0 0.0#
58 73.6 65.4 98.0



#50
Toluene-d8
Concen: 50.229 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 98 Resp: 570679
Ion Ratio Lower Upper
98 100
100 67.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 250.245 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

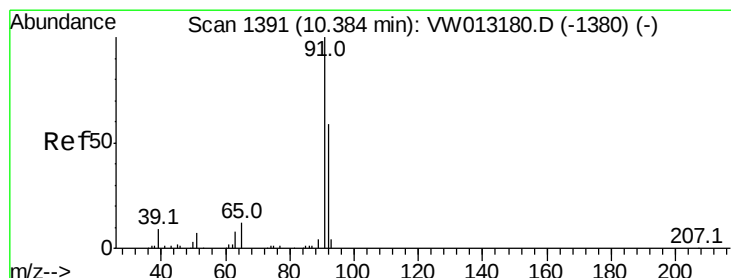
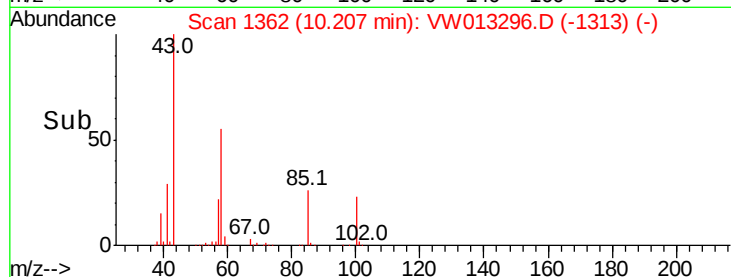
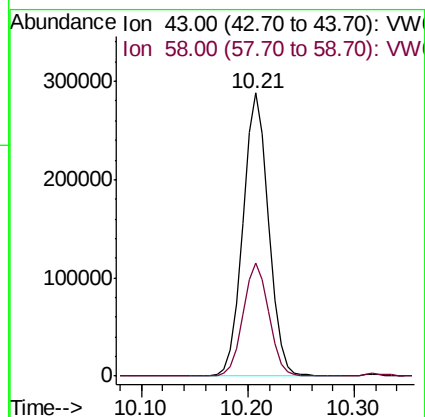
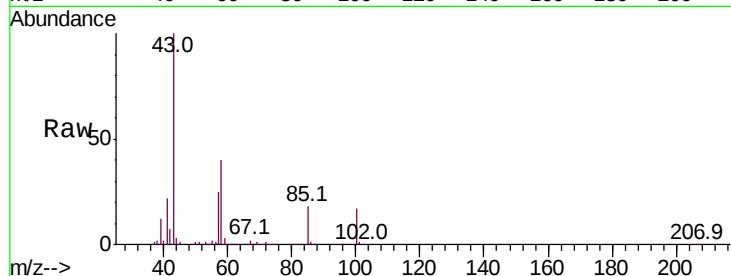
ClientSampleId :

Tot Ion: 43 Resp: 488536

Ion Ratio Lower Upper

43 100

58 40.0 31.7 47.5



#52

Toluene

Concen: 47.352 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013296.D

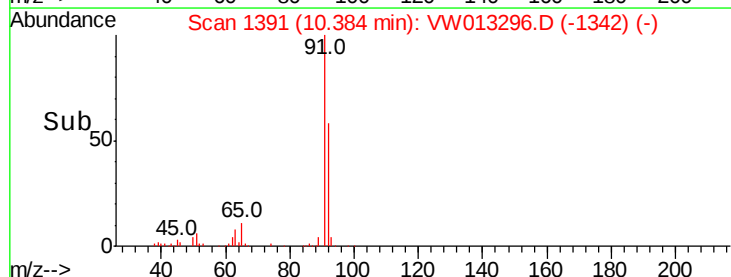
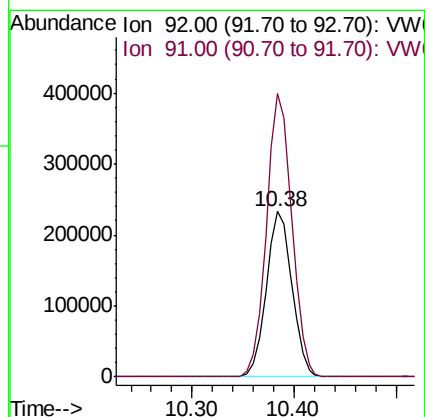
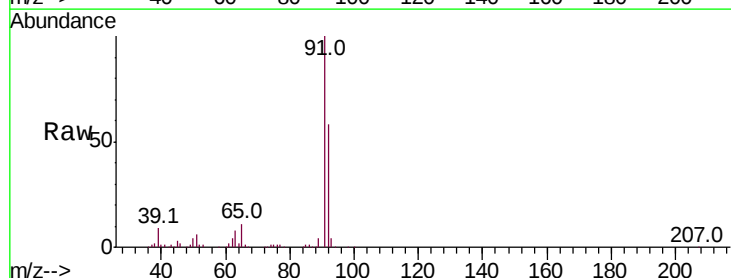
Acq: 25 Sep 2019 17:11

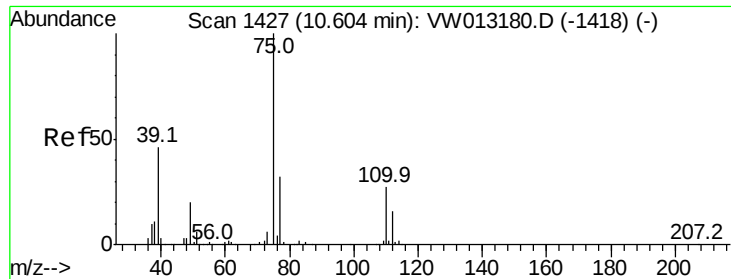
Tgt Ion: 92 Resp: 404679

Ion Ratio Lower Upper

92 100

91 170.1 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 48.586 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

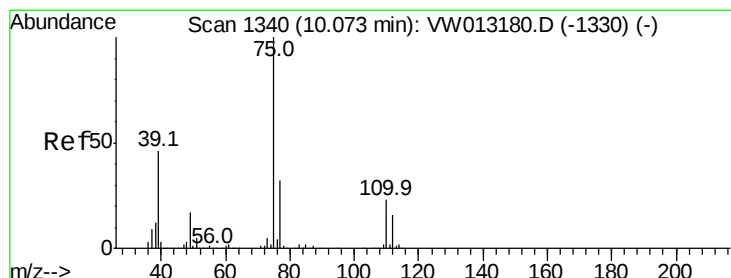
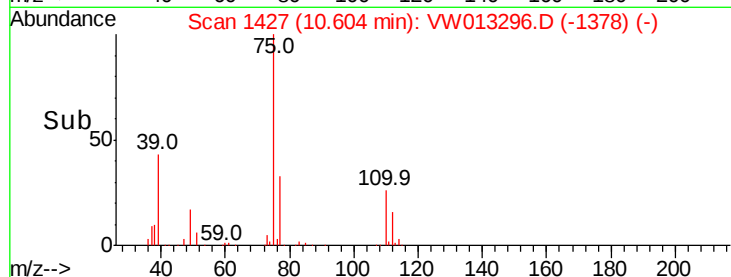
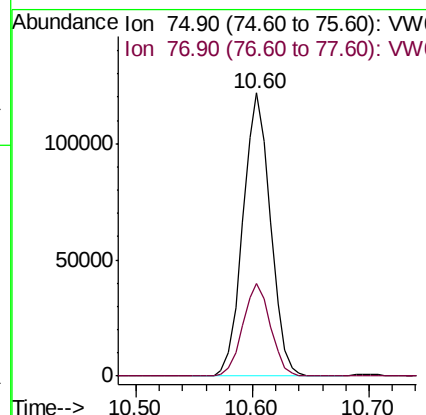
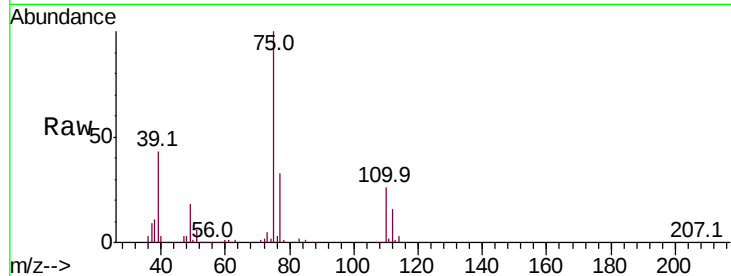
Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 200762

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.5	38.3



#54

cis-1,3-Dichloropropene

Concen: 48.330 ug/l

RT: 10.07 min Scan# 1340

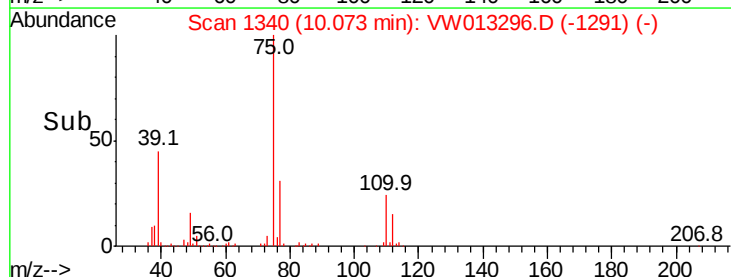
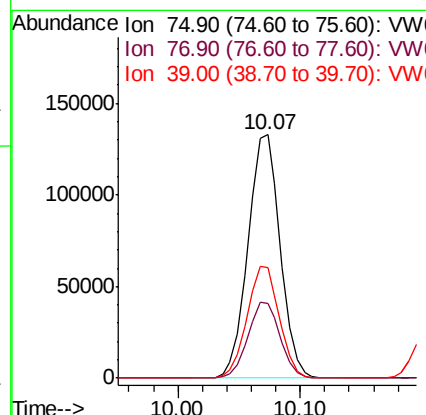
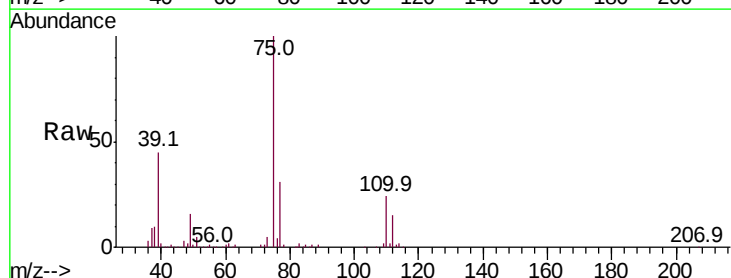
Delta R.T. -0.00 min

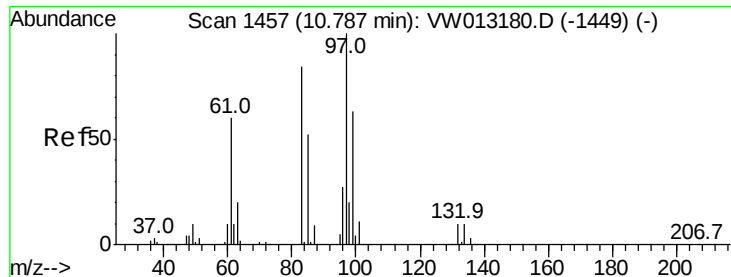
Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Tgt Ion: 75 Resp: 242814

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	45.3	36.6	55.0

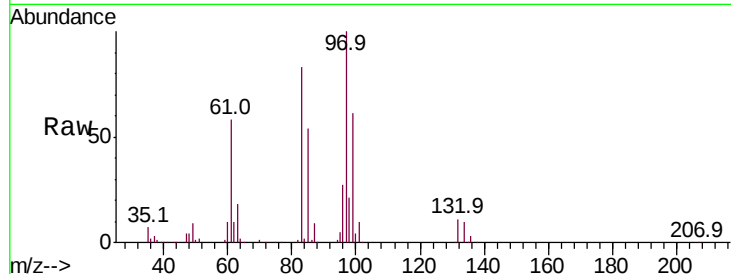




#55
 1,1,2-Trichloroethane
 Concen: 48.477 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	114525
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.6	101.4
85	54.2	41.9	62.9
99	60.8	50.1	75.1



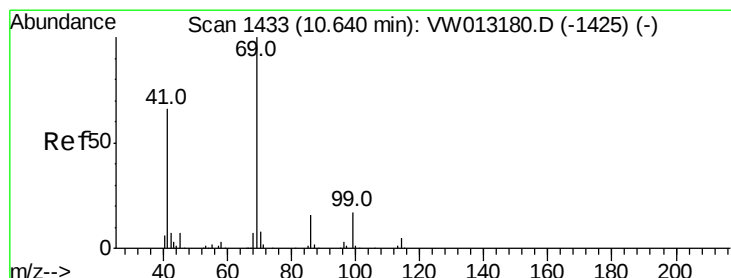
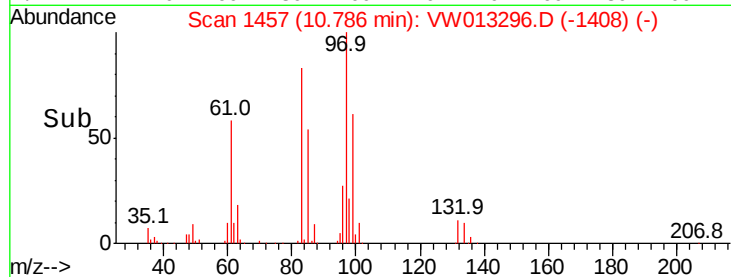
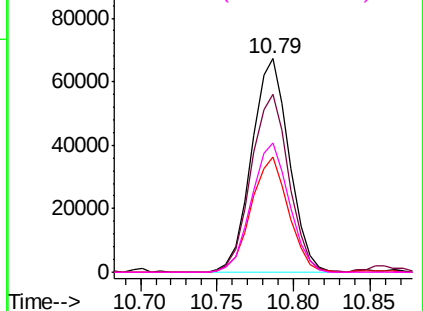
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

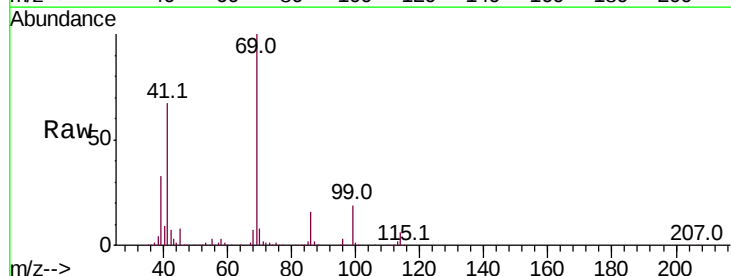
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 51.348 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Tgt Ion:	69	Resp:	158760
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.9	80.9
39	28.2	23.8	35.6

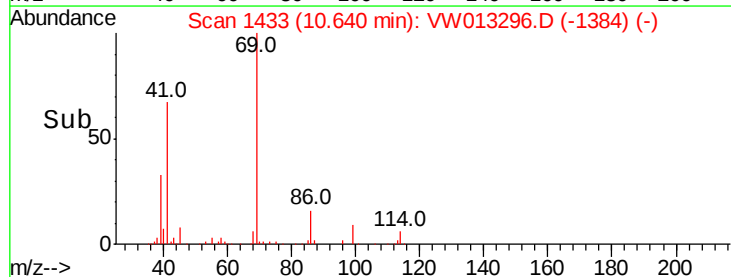
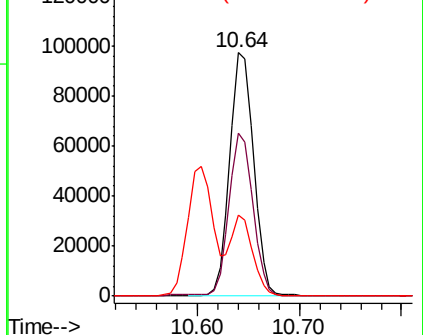


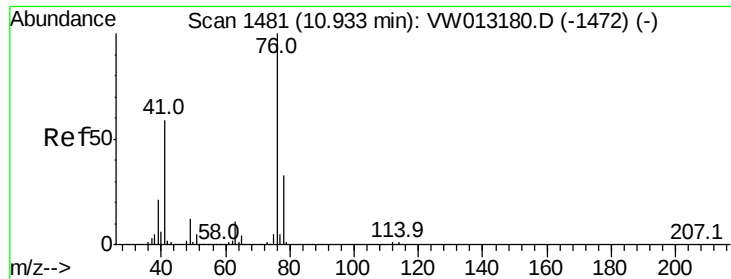
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 48.981 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

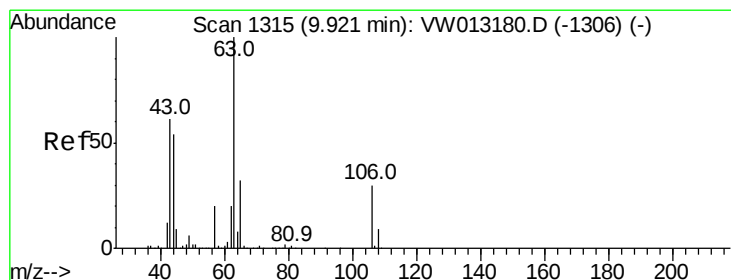
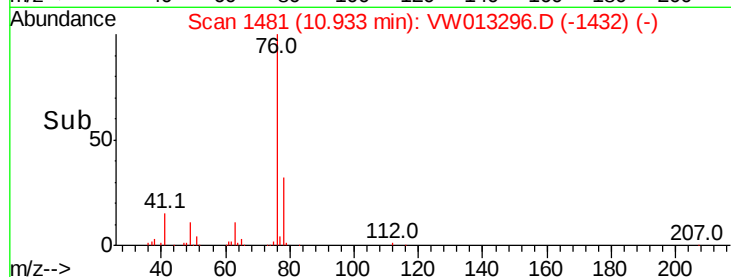
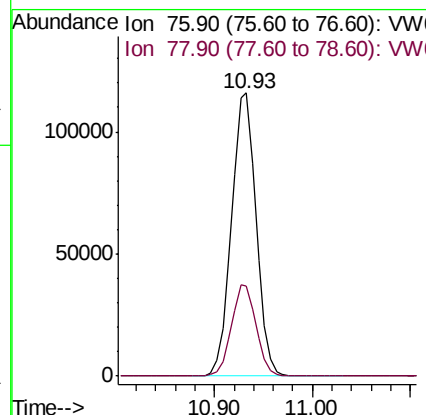
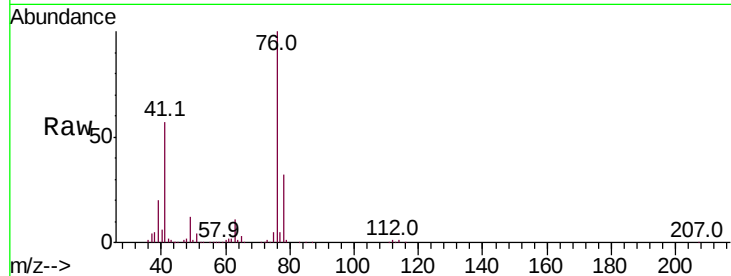
Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 201932

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 266.512 ug/l

RT: 9.92 min Scan# 1315

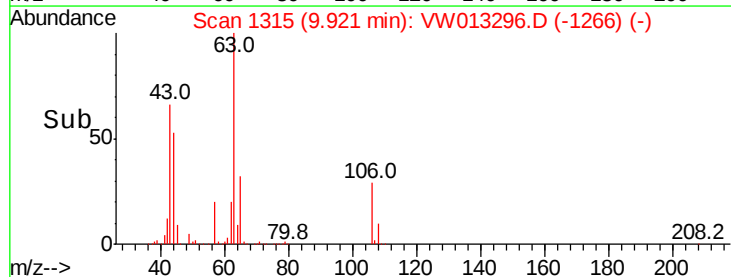
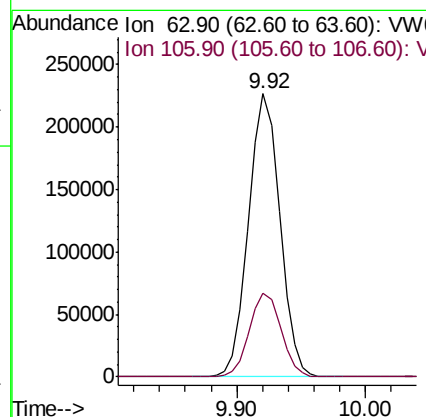
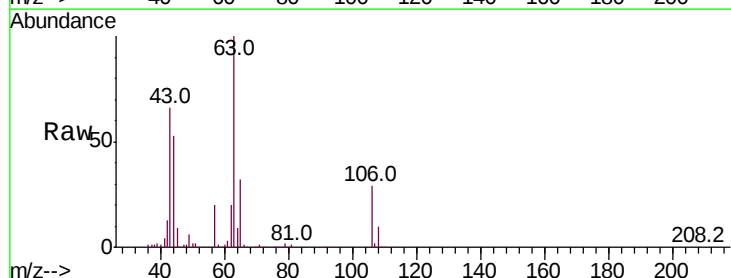
Delta R.T. -0.00 min

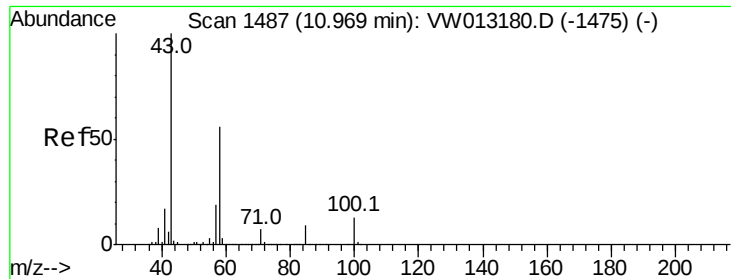
Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Tgt Ion: 63 Resp: 381472

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.4	35.0

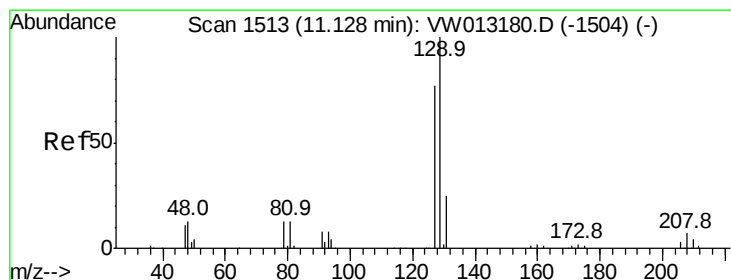
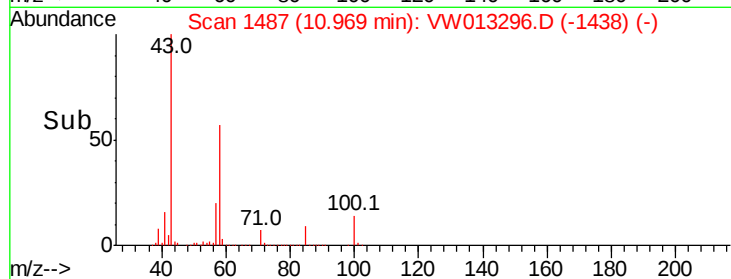
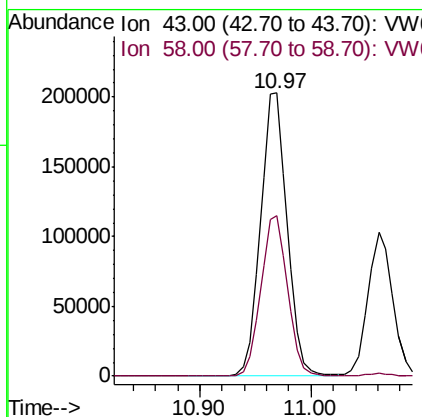
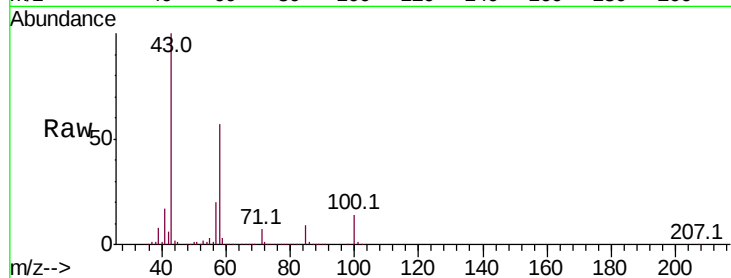




#59
2-Hexanone
Concen: 252.370 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

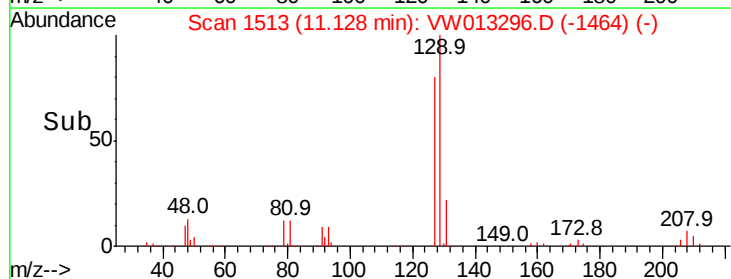
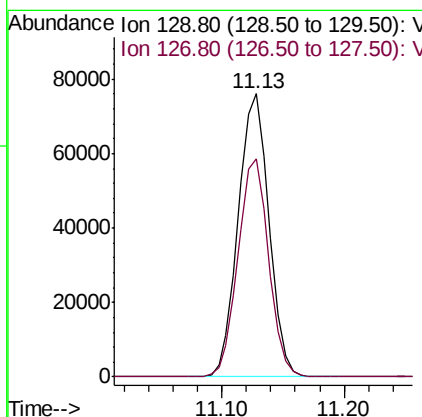
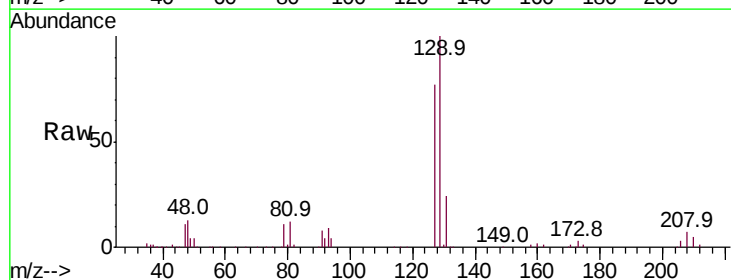
Instrument :
MSVOA_W
ClientSampleId :

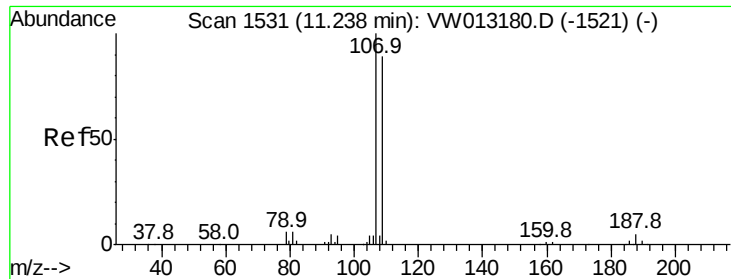
Tot Ion: 43 Resp: 338965
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.2



#60
Dibromochloromethane
Concen: 49.401 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 129 Resp: 132522
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.4





#61

1,2-Dibromoethane

Concen: 48.973 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

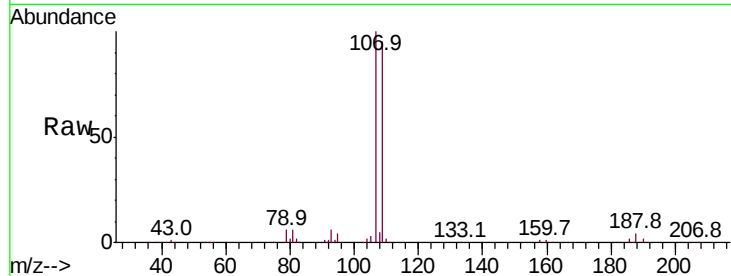
ClientSampleId :

Tot Ion:107 Resp: 110004

Ion Ratio Lower Upper

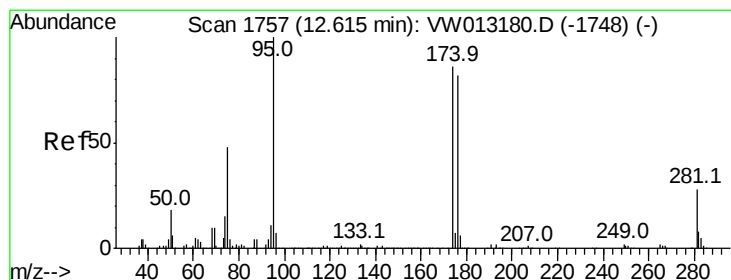
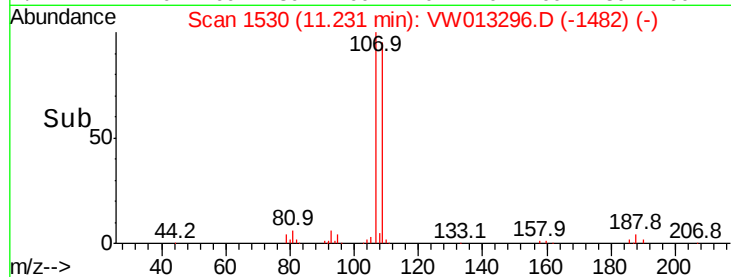
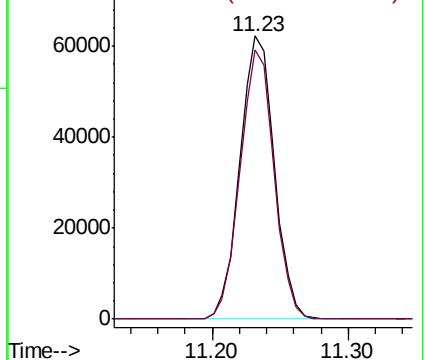
107 100

109 94.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.229 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

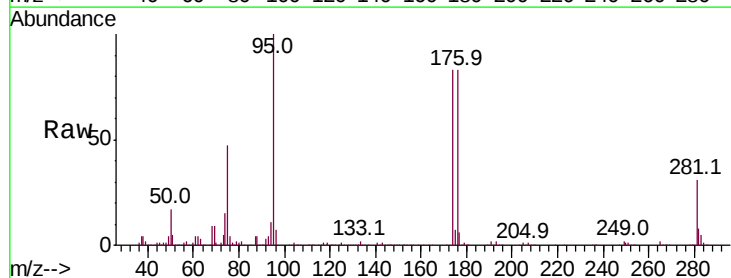
Tgt Ion: 95 Resp: 198817

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.4

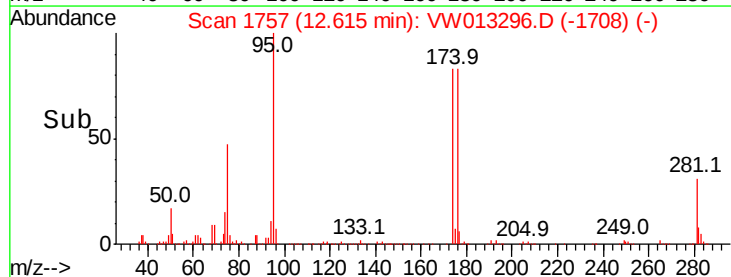
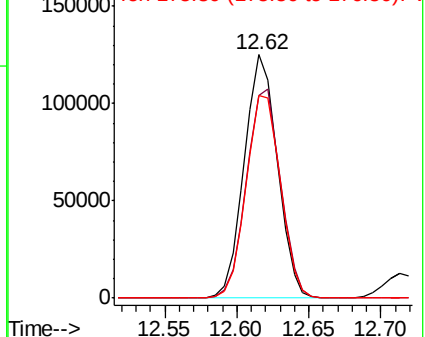
176 86.4 0.0 172.2

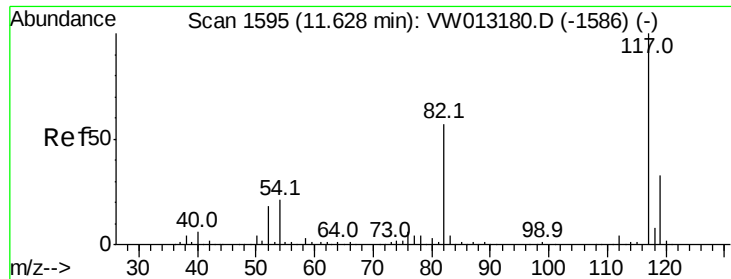


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

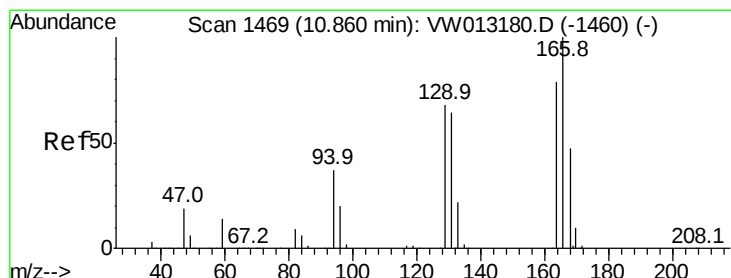
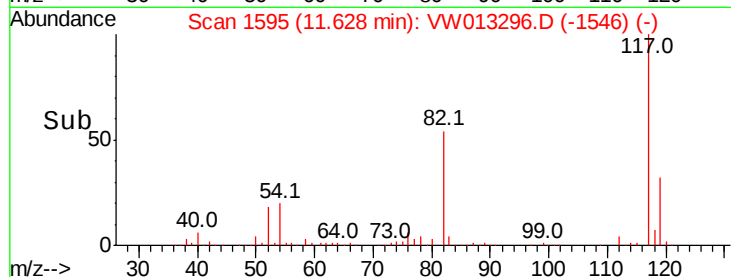
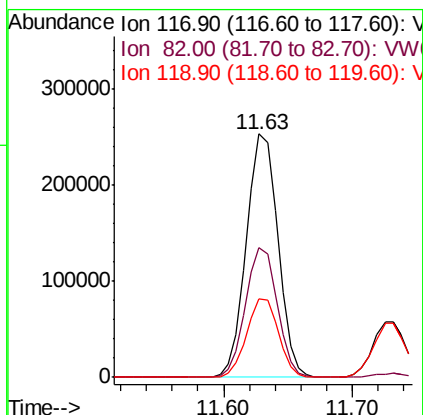
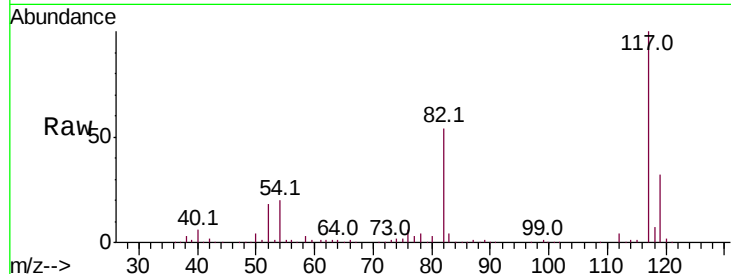




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

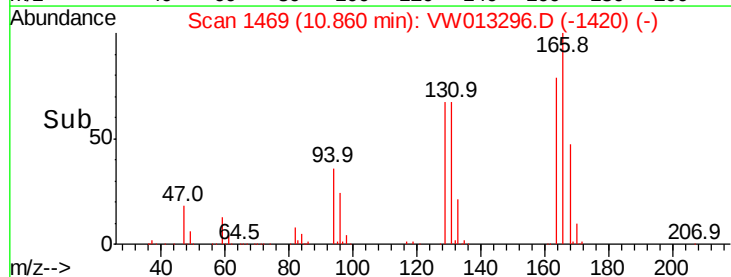
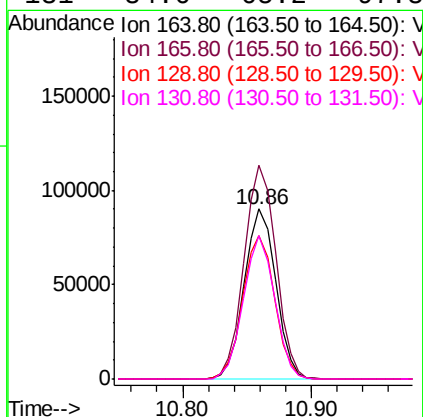
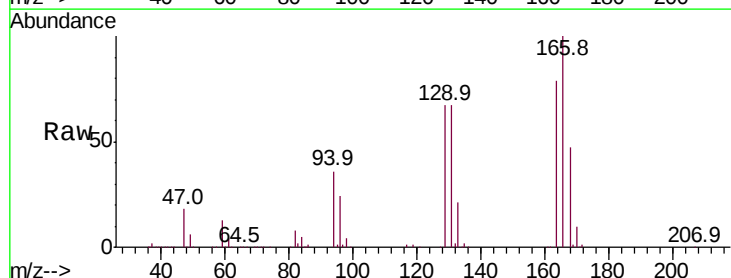
Instrument :
MSVOA_W
ClientSampleId :

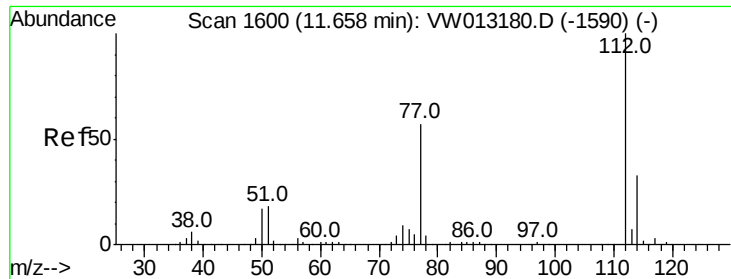
Tot Ion:117 Resp: 430491
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 46.655 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion:164 Resp: 152390
Ion Ratio Lower Upper
164 100
166 125.8 101.2 151.8
129 84.5 68.8 103.2
131 84.6 65.2 97.8

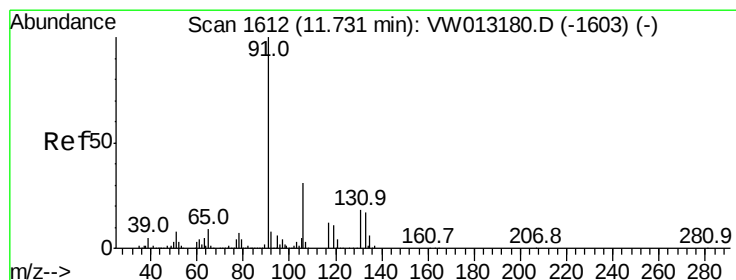
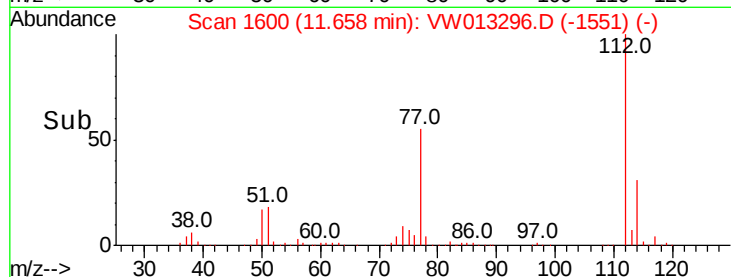
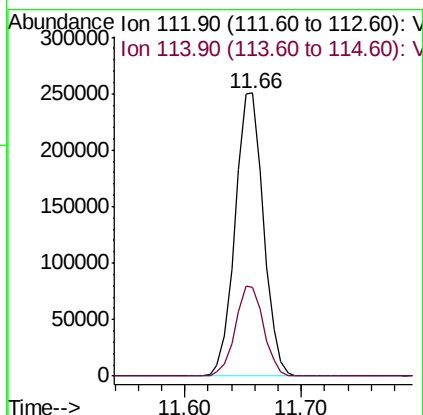
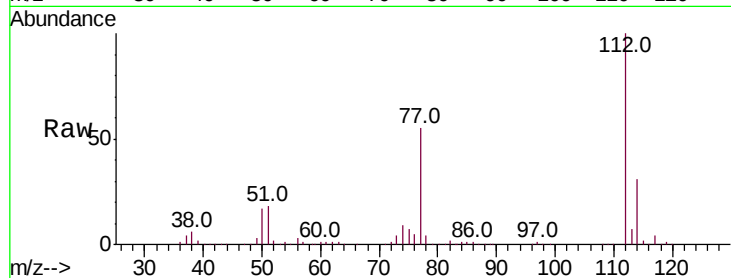




#65
Chlorobenzene
Concen: 47.324 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

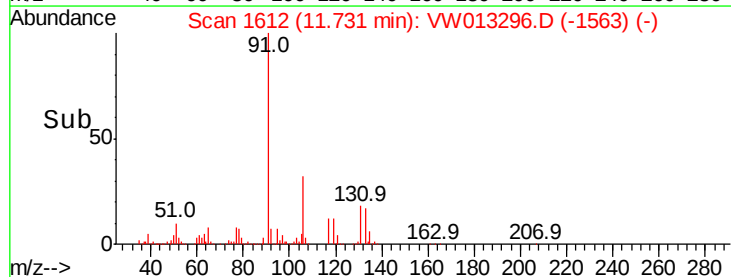
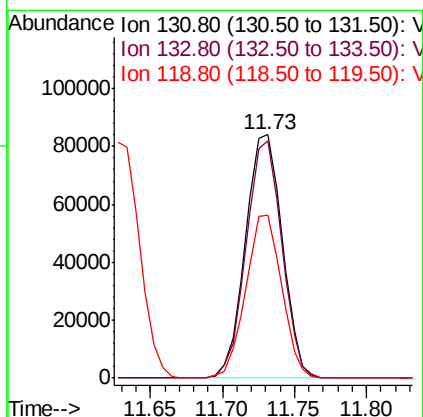
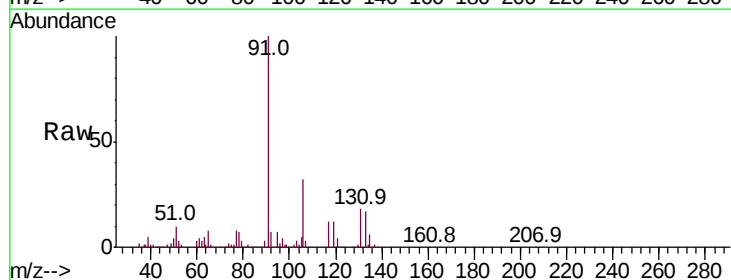
Instrument :
MSVOA_W
ClientSampleId :

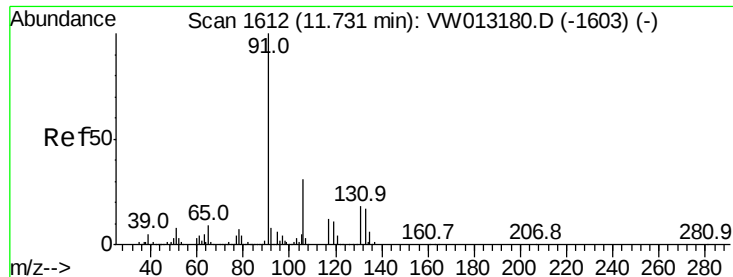
Tot Ion:112 Resp: 425422
Ion Ratio Lower Upper
112 100
114 31.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.297 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion:131 Resp: 148326
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 65.4 32.5 97.5





#67

Ethyl Benzene

Concen: 46.988 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

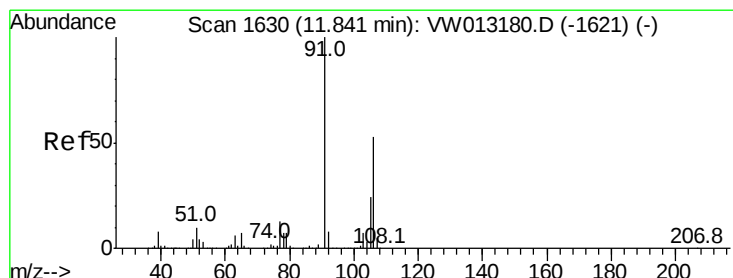
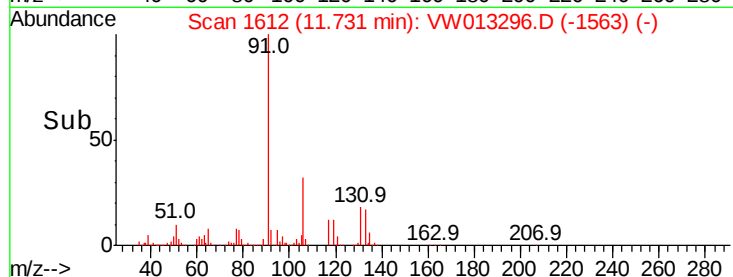
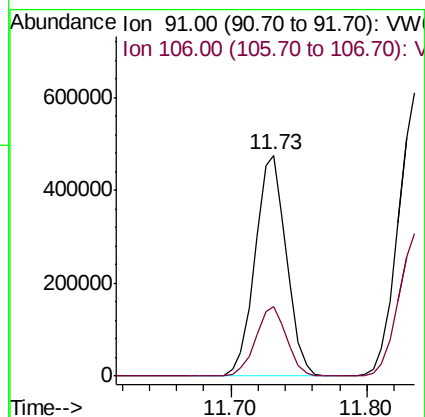
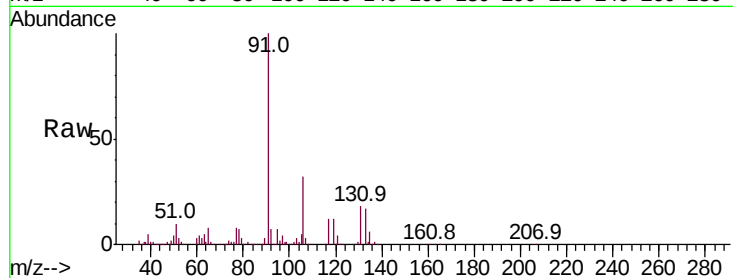
ClientSampled :

Tot Ion: 91 Resp: 765341

Ion Ratio Lower Upper

91 100

106 31.7 24.9 37.3



#68

m/p-Xylenes

Concen: 94.650 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013296.D

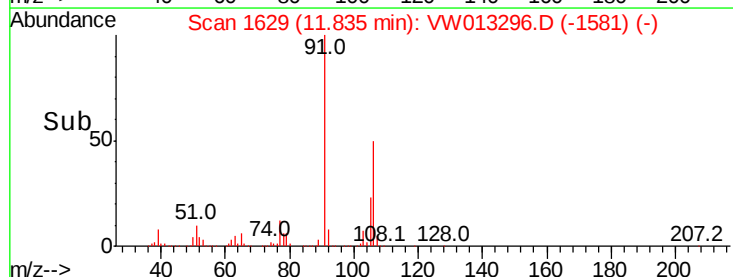
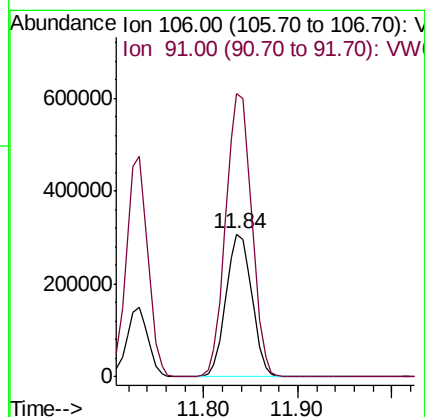
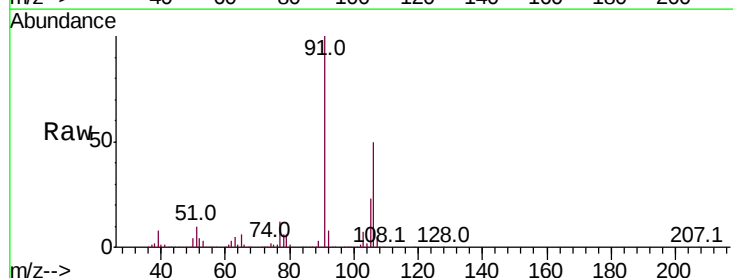
Acq: 25 Sep 2019 17:11

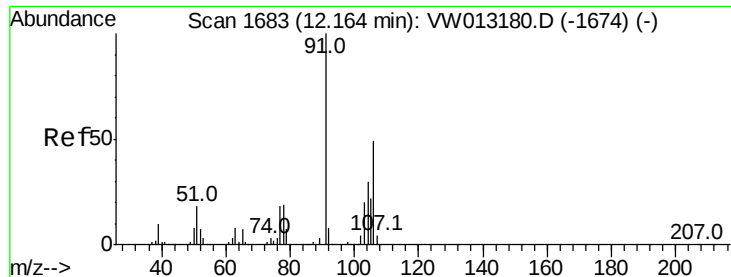
Tgt Ion:106 Resp: 587469

Ion Ratio Lower Upper

106 100

91 198.9 157.9 236.9

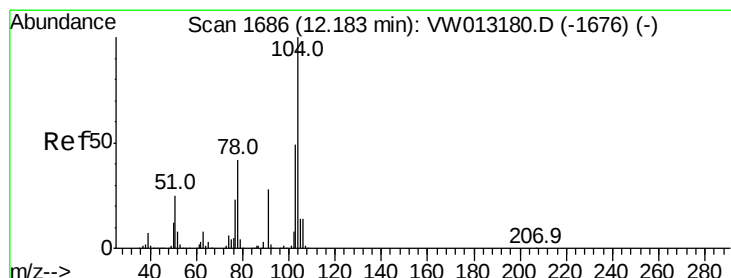
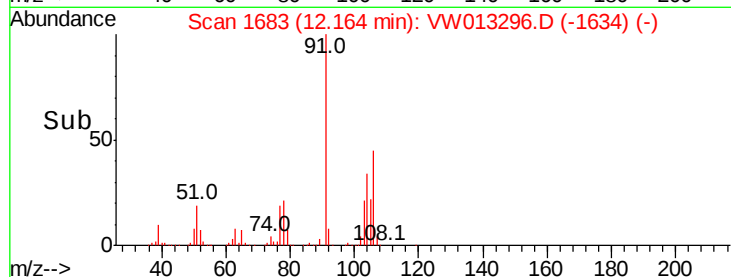
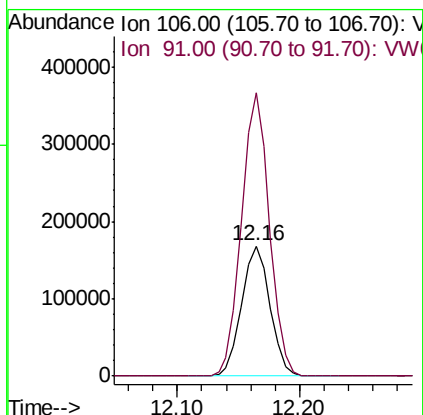
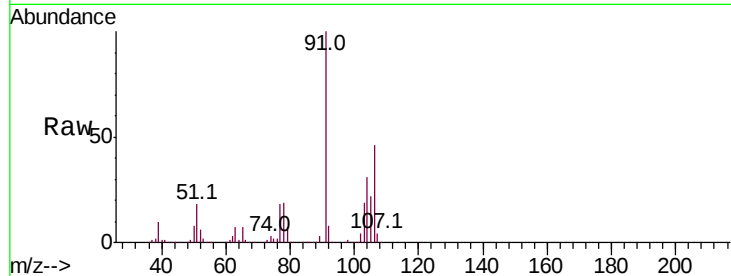




#69
o-Xylene
Concen: 46.929 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

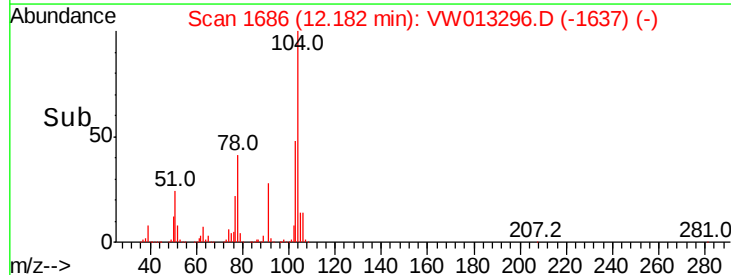
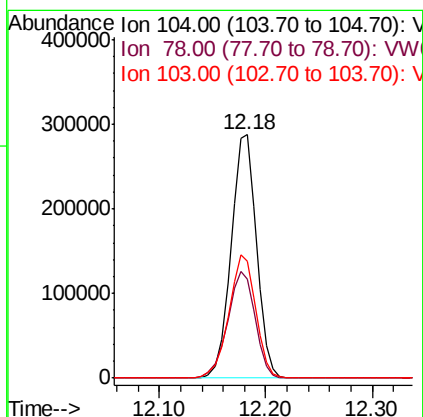
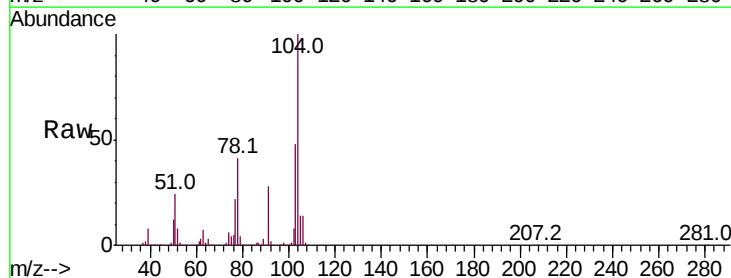
Instrument :
MSVOA_W
ClientSampled :

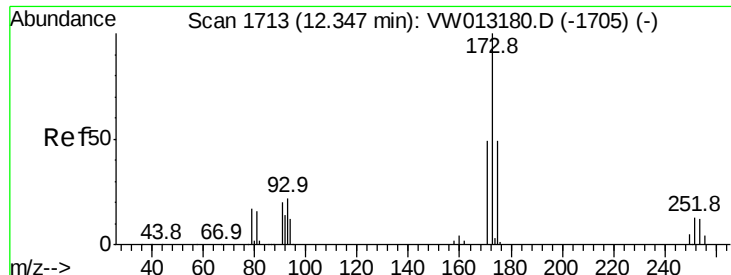
Tot Ion:106 Resp: 270804
Ion Ratio Lower Upper
106 100
91 213.7 106.5 319.5



#70
Styrene
Concen: 48.652 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion:104 Resp: 481986
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 53.4 43.3 64.9

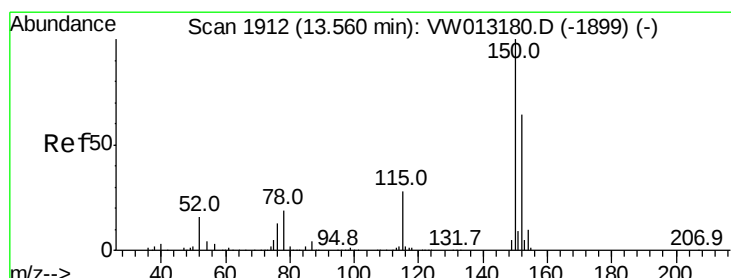
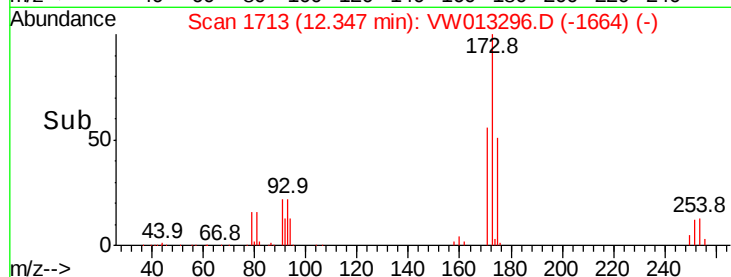
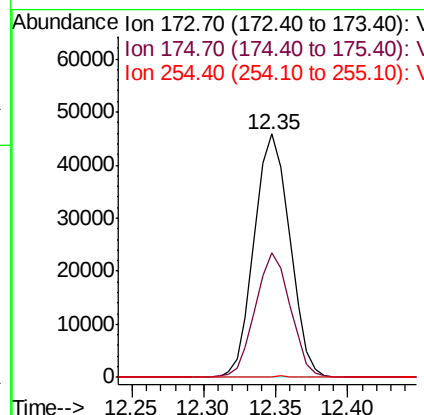
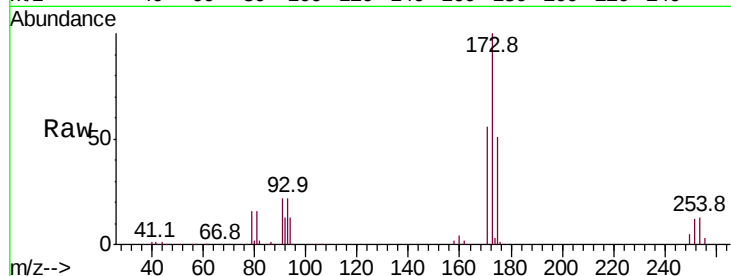




#71
Bromoform
Concen: 48.440 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

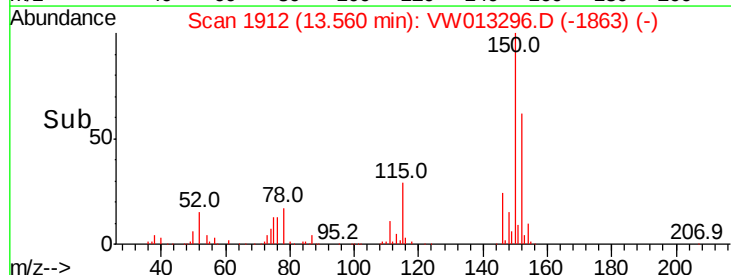
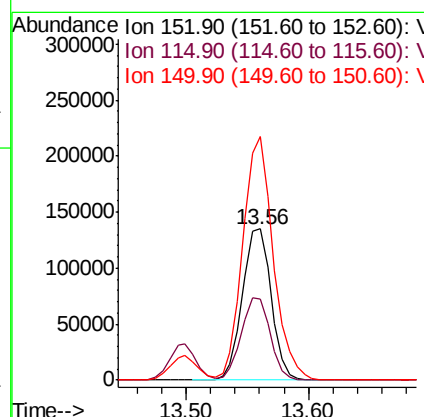
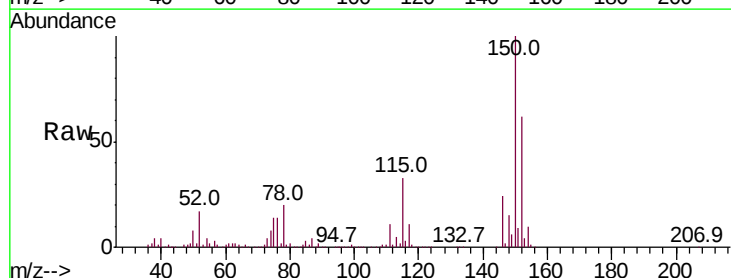
Instrument :
MSVOA_W
ClientSampleId :

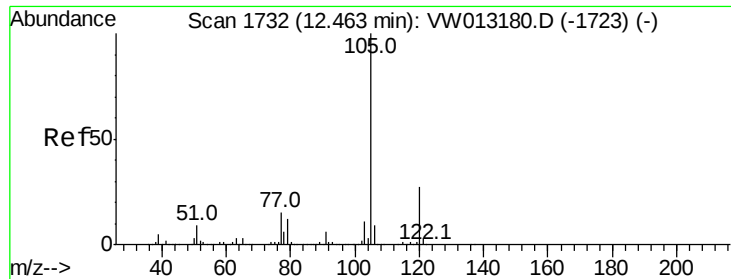
Tot Ion:173 Resp: 78593
Ion Ratio Lower Upper
173 100
175 50.5 24.3 73.0
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion:152 Resp: 220150
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 169.4 0.0 349.0





#73

Isopropylbenzene

Concen: 46.504 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

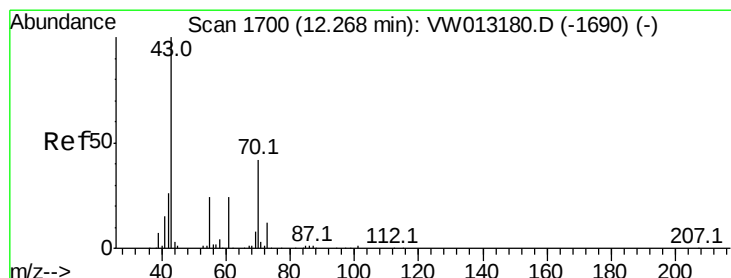
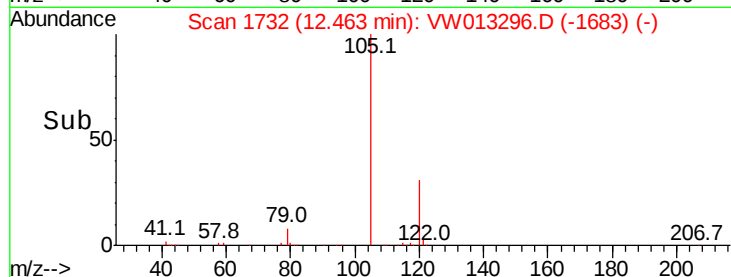
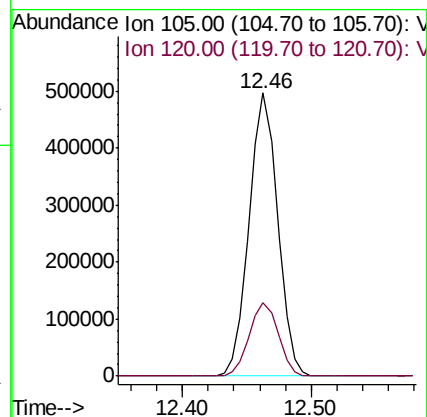
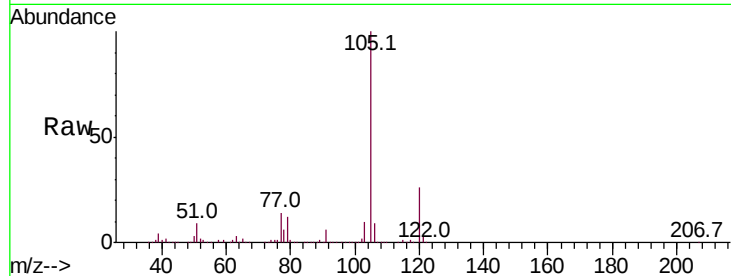
ClientSampleId :

Tot Ion:105 Resp: 756287

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 47.645 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Tgt Ion: 43 Resp: 171936

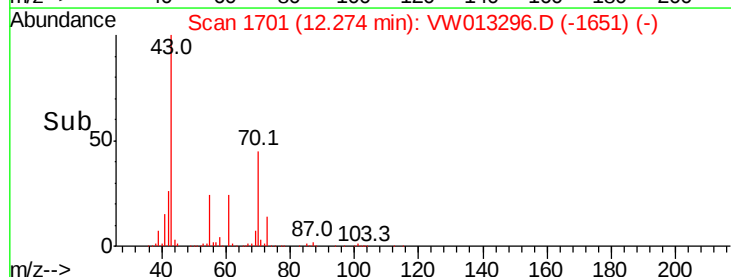
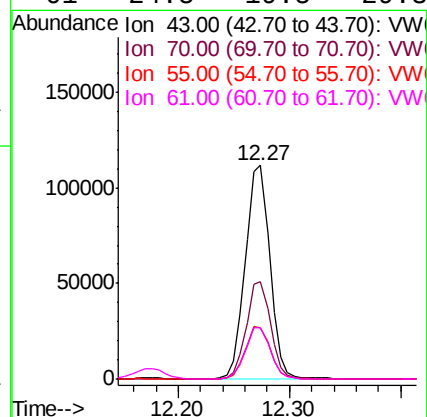
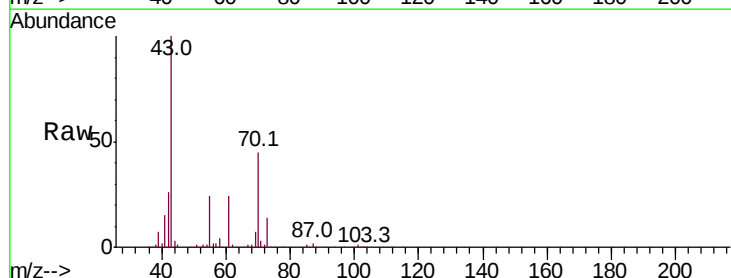
Ion Ratio Lower Upper

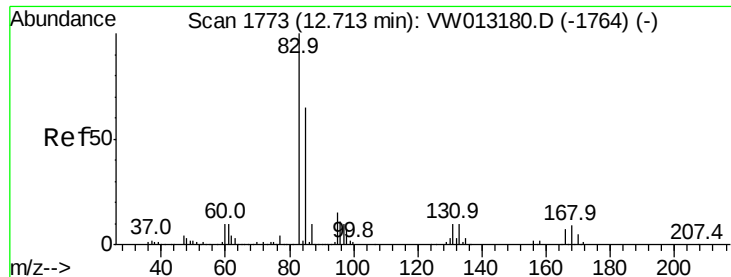
43 100

70 45.3 35.1 52.7

55 25.0 19.9 29.9

61 24.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.893 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampled :

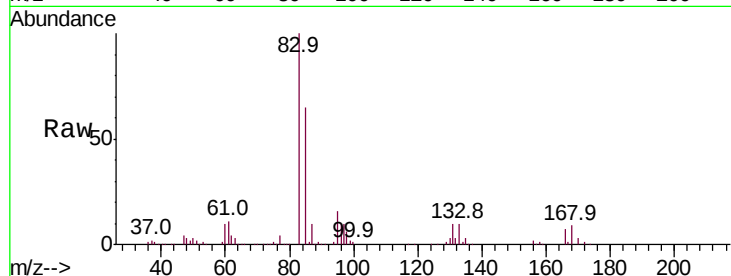
Tot Ion: 83 Resp: 130259

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

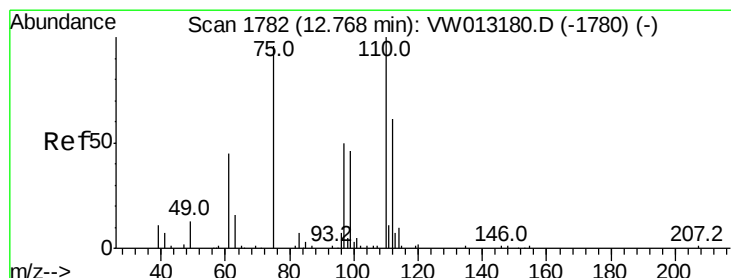
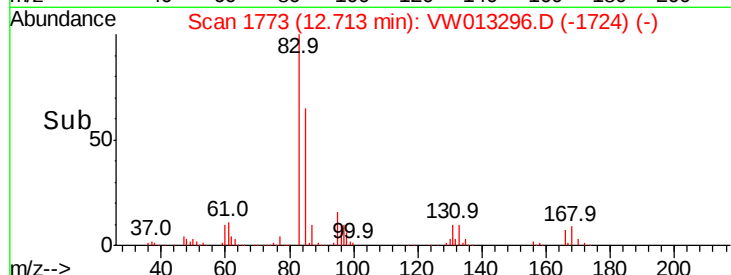
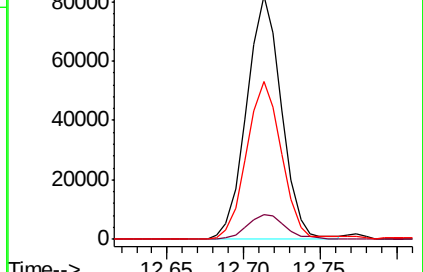
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.810 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013296.D

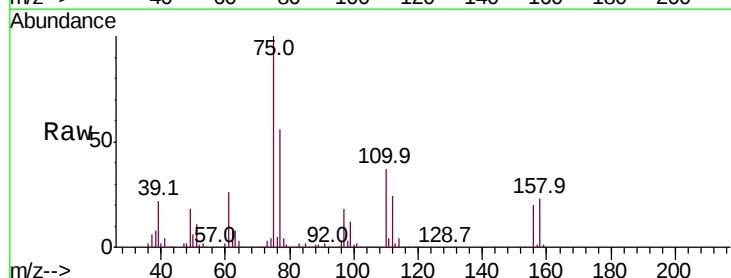
Acq: 25 Sep 2019 17:11

Tgt Ion: 75 Resp: 166833

Ion Ratio Lower Upper

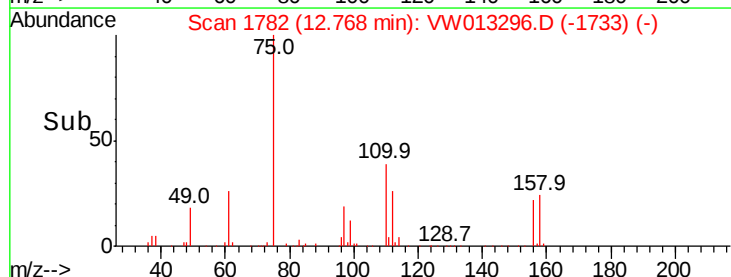
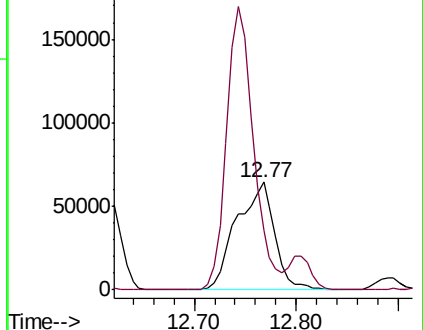
75 100

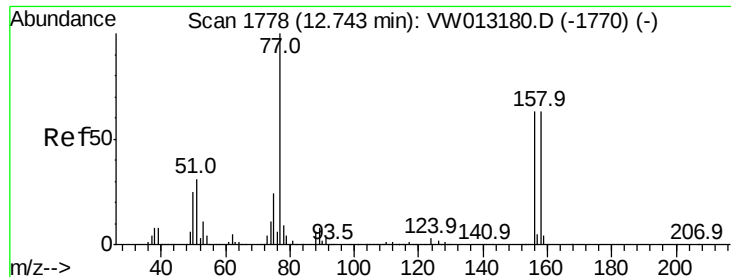
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 46.960 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

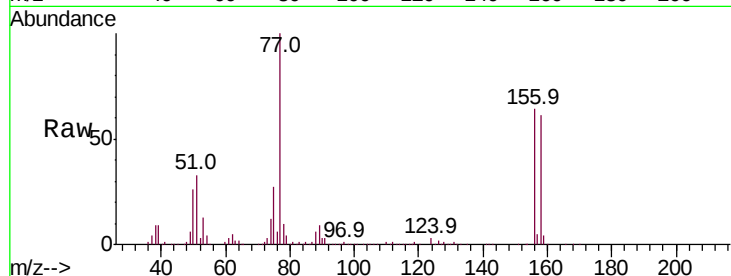
Tot Ion:156 Resp: 180973

Ion Ratio Lower Upper

156 100

77 172.5 85.7 257.1

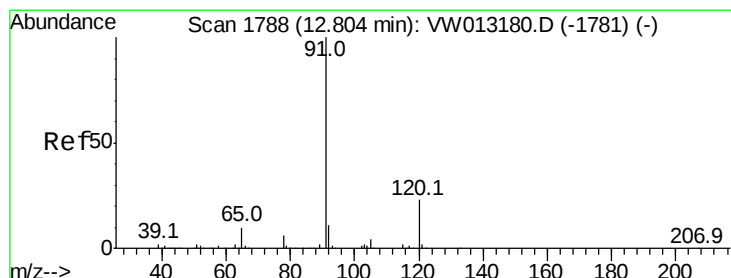
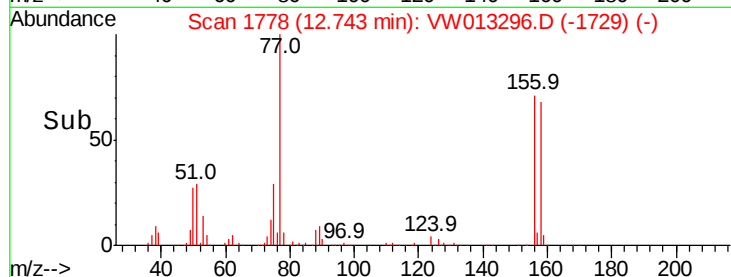
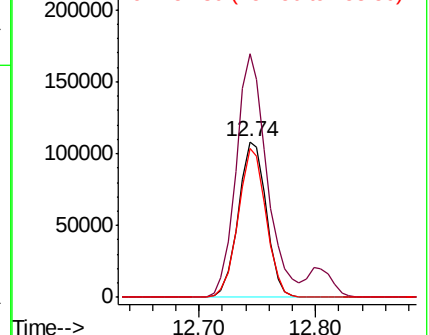
158 94.9 48.1 144.4



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: 46.010 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013296.D

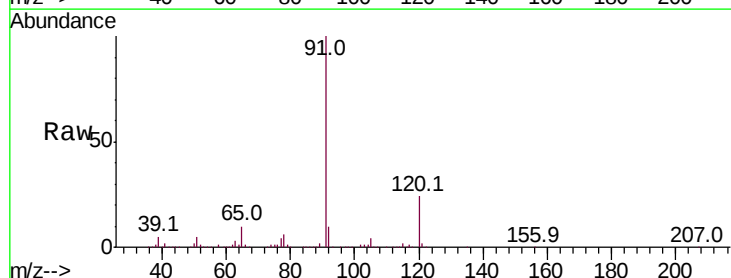
Acq: 25 Sep 2019 17:11

Tgt Ion: 91 Resp: 875853

Ion Ratio Lower Upper

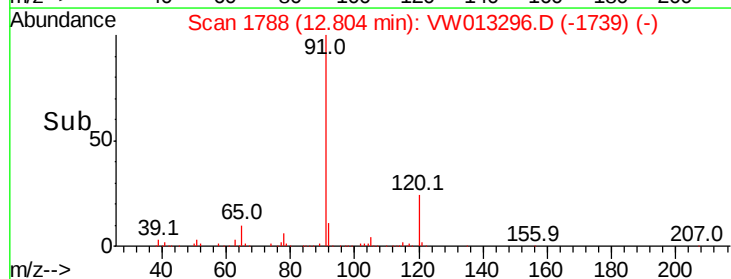
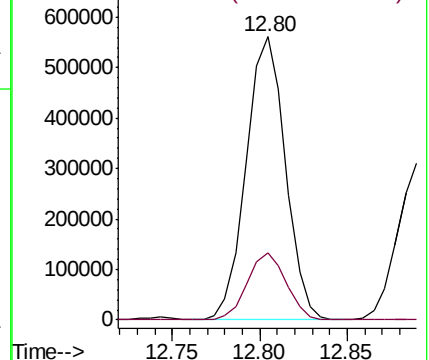
91 100

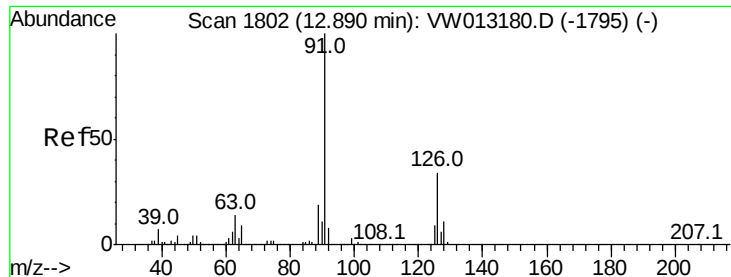
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.347 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

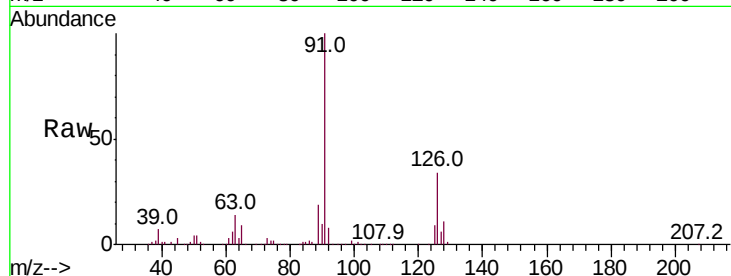
ClientSampled :

Tot Ion: 91 Resp: 494271

Ion Ratio Lower Upper

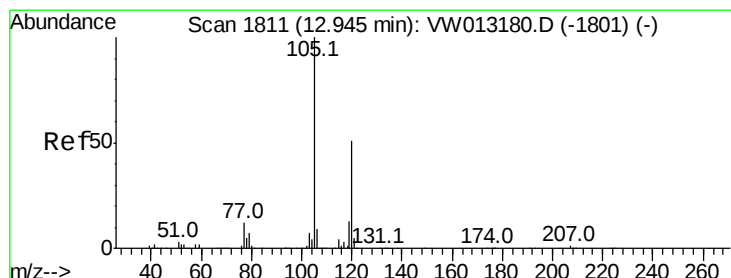
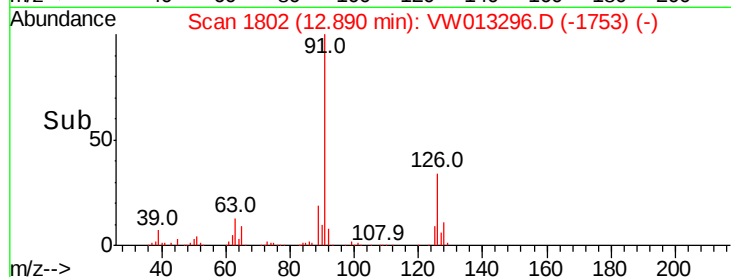
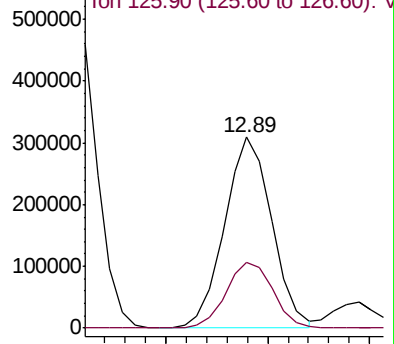
91 100

126 34.6 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.242 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013296.D

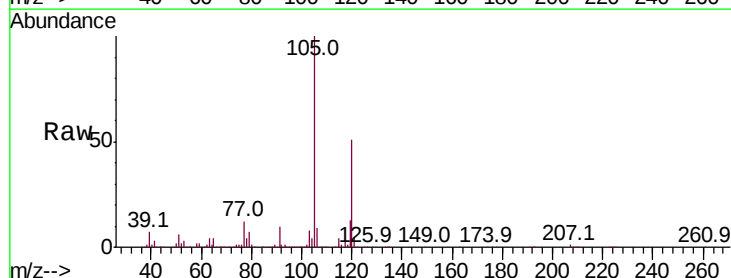
Acq: 25 Sep 2019 17:11

Tgt Ion:105 Resp: 632146

Ion Ratio Lower Upper

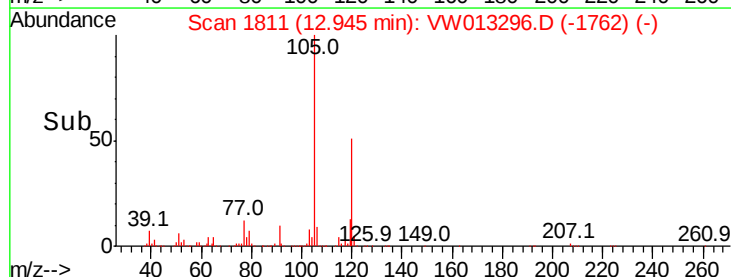
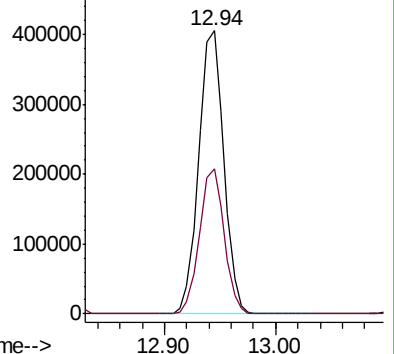
105 100

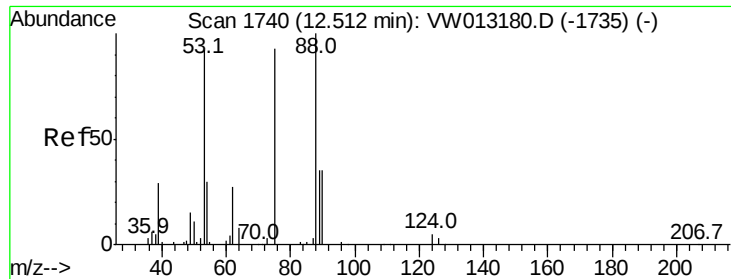
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.149 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

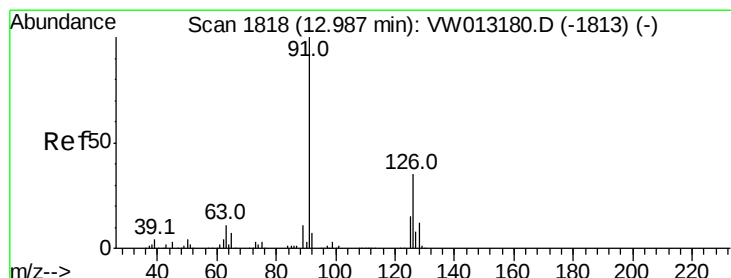
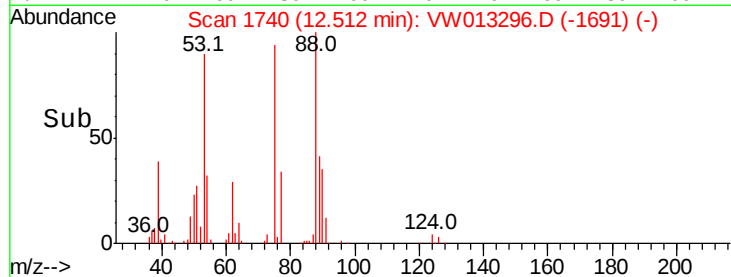
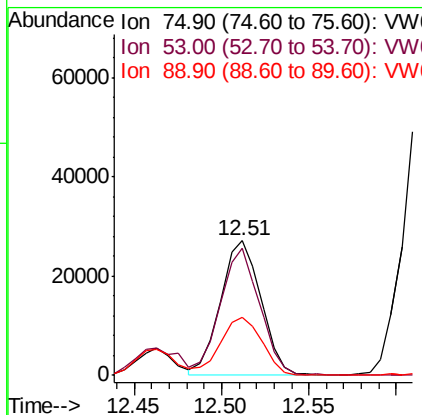
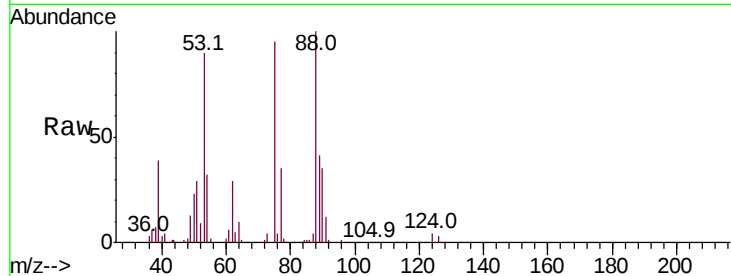
Tot Ion: 75 Resp: 43451

Ion Ratio Lower Upper

75 100

53 92.8 76.6 114.8

89 45.1 33.5 50.3



#82

4-Chlorotoluene

Concen: 45.744 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013296.D

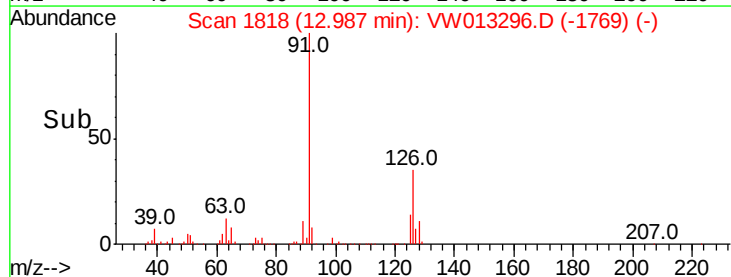
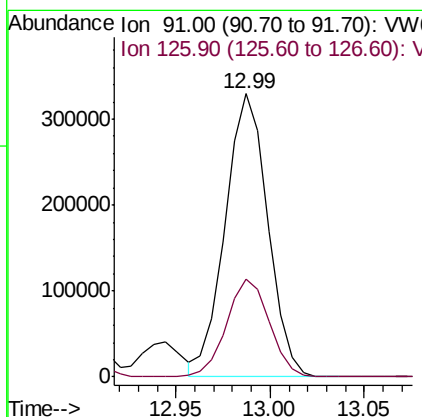
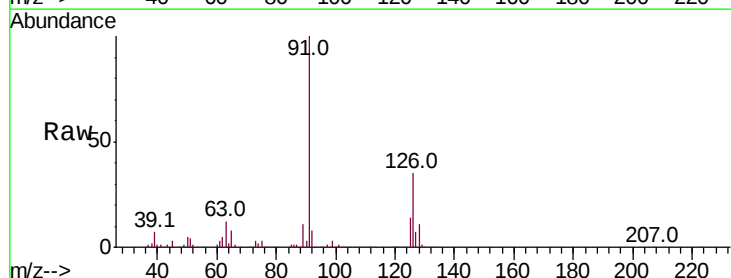
Acq: 25 Sep 2019 17:11

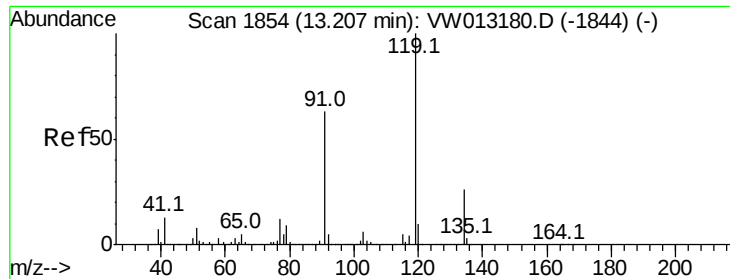
Tgt Ion: 91 Resp: 514447

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7

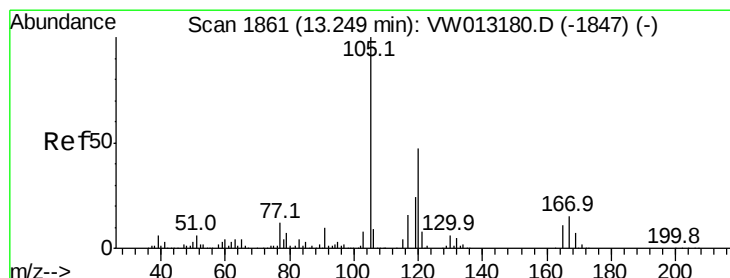
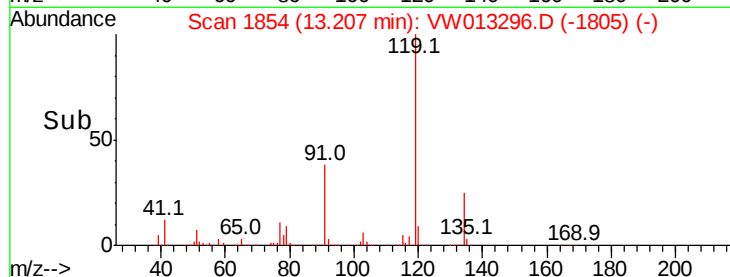
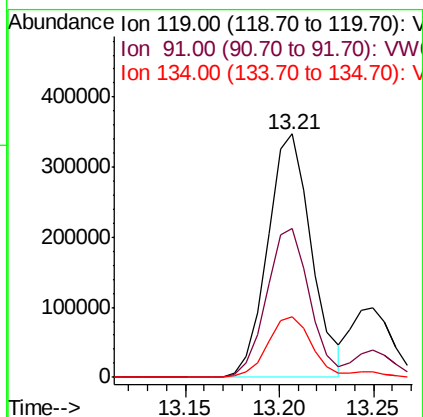
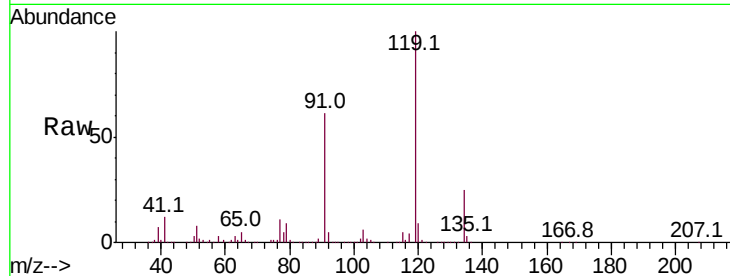




#83
tert-Butylbenzene
Concen: 46.578 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

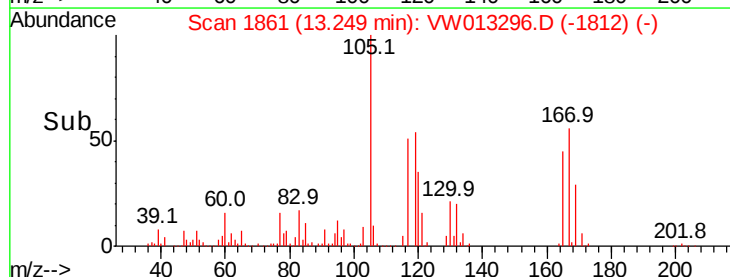
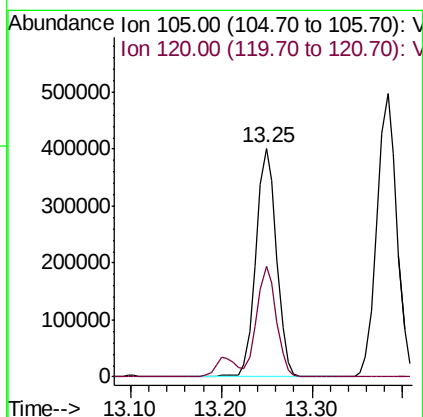
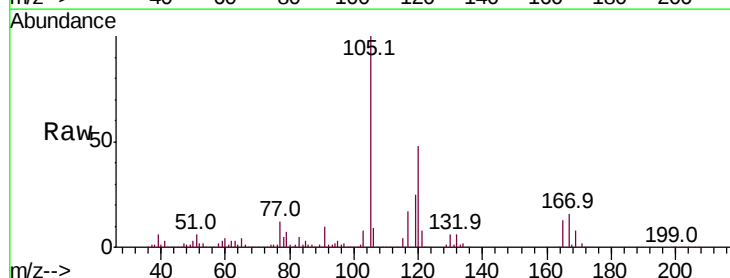
Instrument :
MSVOA_W
ClientSampled :

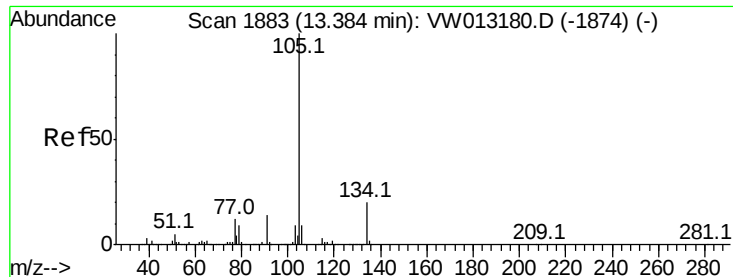
Tot Ion:119 Resp: 558879
Ion Ratio Lower Upper
119 100
91 60.1 30.7 92.1
134 25.1 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 46.194 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion:105 Resp: 628396
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 45.764 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

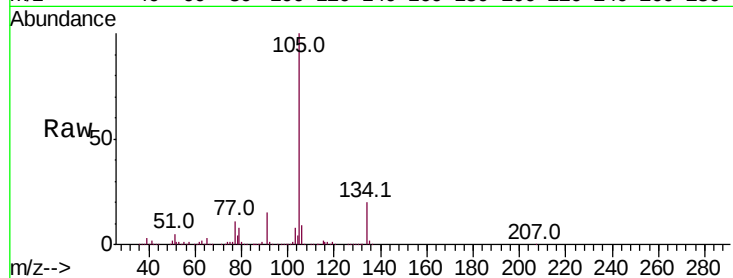
ClientSampled :

Tot Ion:105 Resp: 757057

Ion Ratio Lower Upper

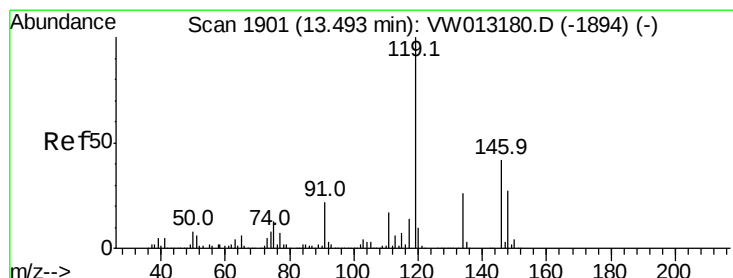
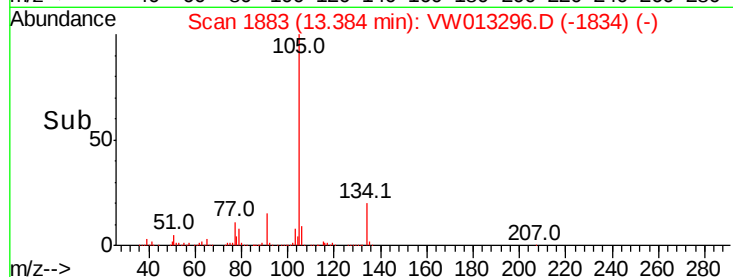
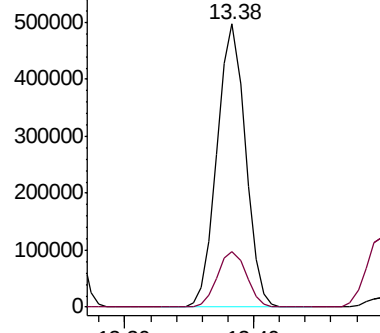
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.088 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

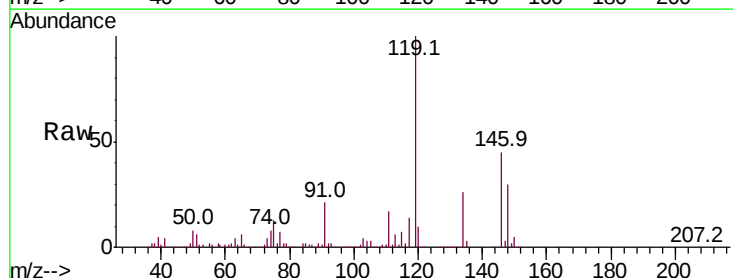
Tgt Ion:119 Resp: 707135

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

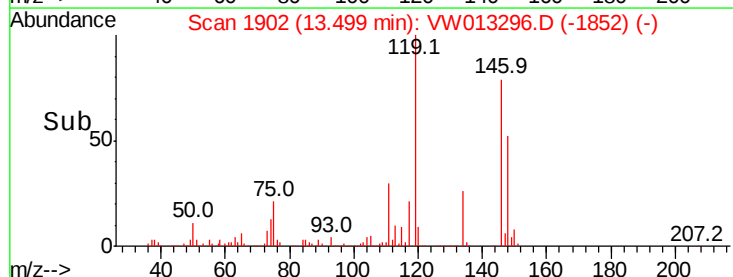
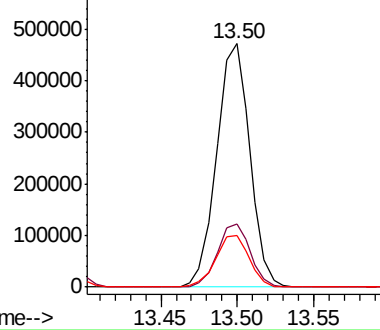
91 21.6 10.8 32.4

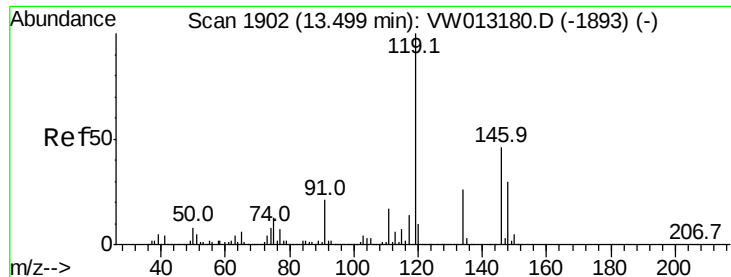


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

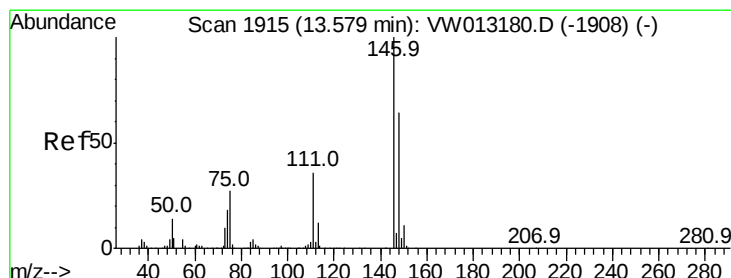
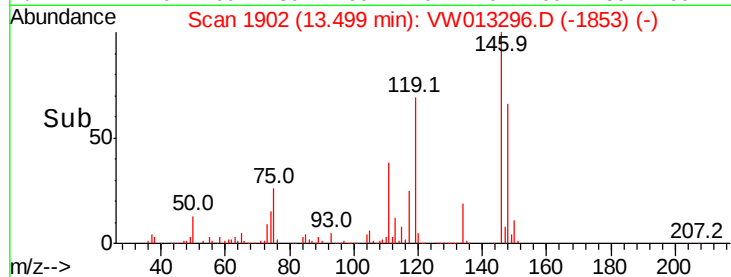
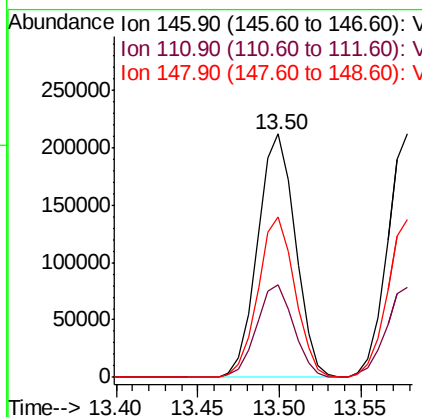
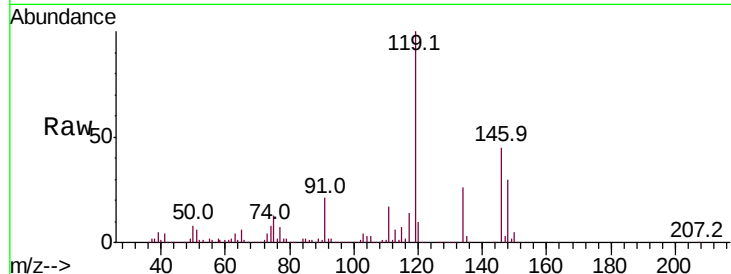




#87
 1,3-Dichlorobenzene
 Concen: 45.758 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

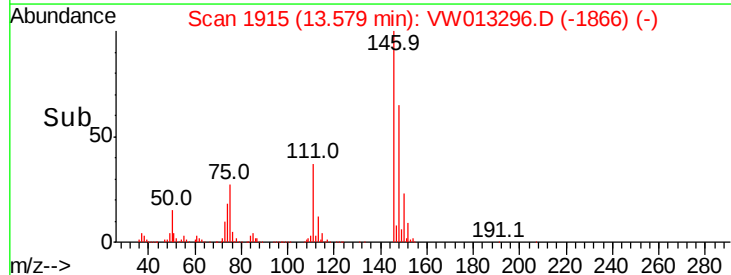
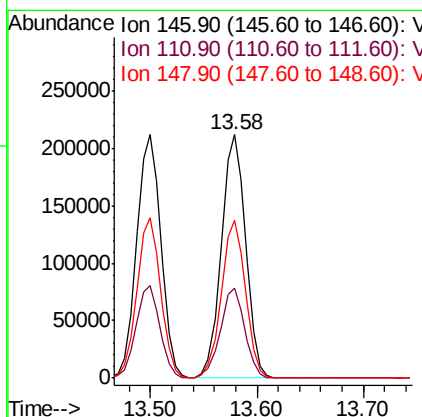
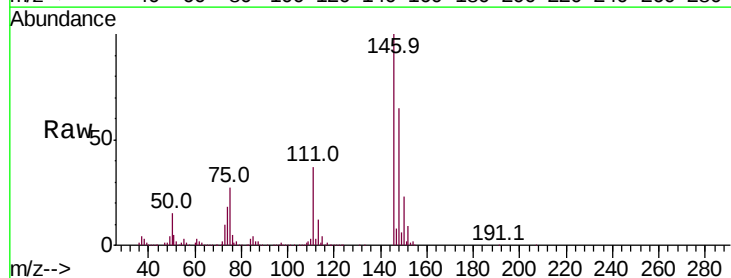
Instrument :
 MSVOA_W
 ClientSampleId :

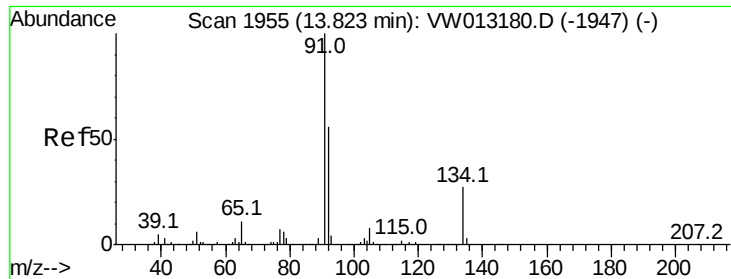
Tot Ion:146 Resp: 339383
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 64.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 46.319 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Tgt Ion:146 Resp: 336932
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.4 55.0
 148 64.4 32.1 96.3

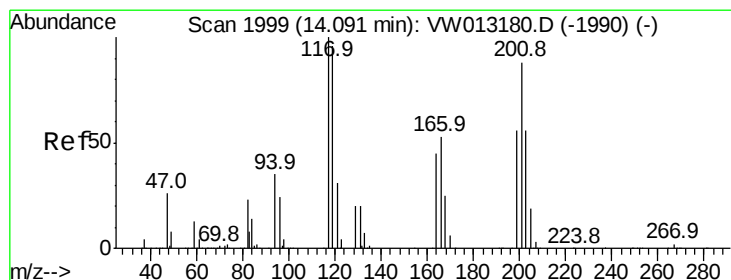
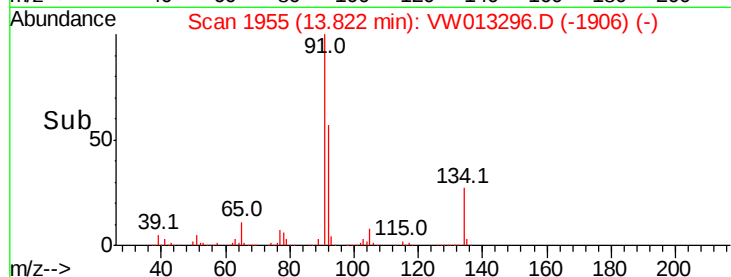
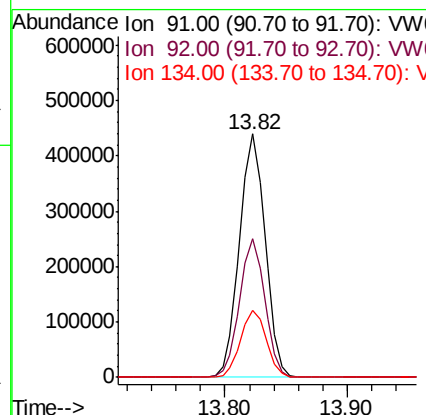
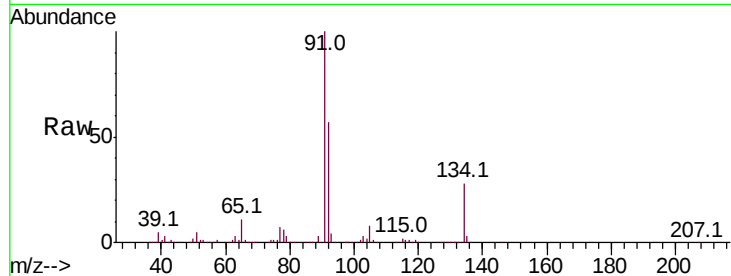




#89
n-Butylbenzene
Concen: 45.666 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

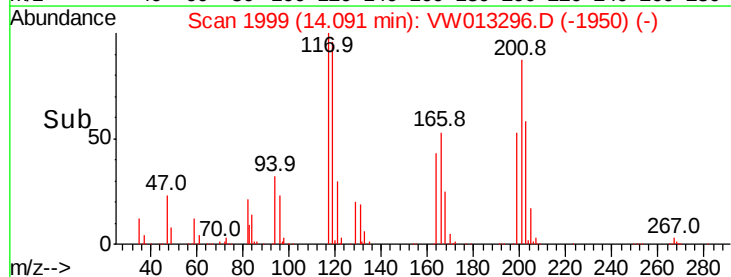
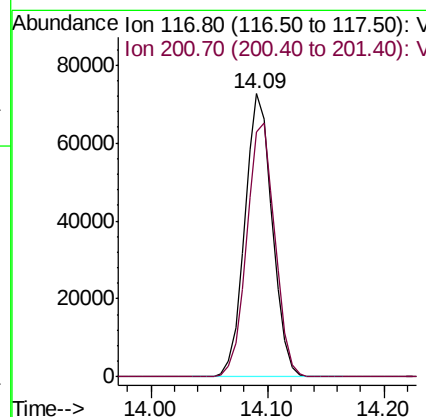
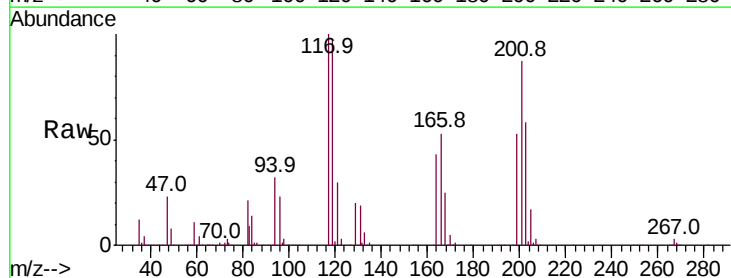
Instrument :
MSVOA_W
ClientSampled :

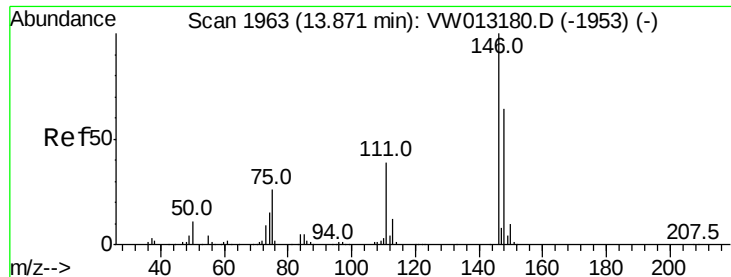
Tot Ion: 91 Resp: 639780
Ion Ratio Lower Upper
91 100
92 56.0 27.6 82.8
134 27.6 13.7 41.1



#90
Hexachloroethane
Concen: 46.213 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion: 117 Resp: 119117
Ion Ratio Lower Upper
117 100
201 91.9 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 47.206 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

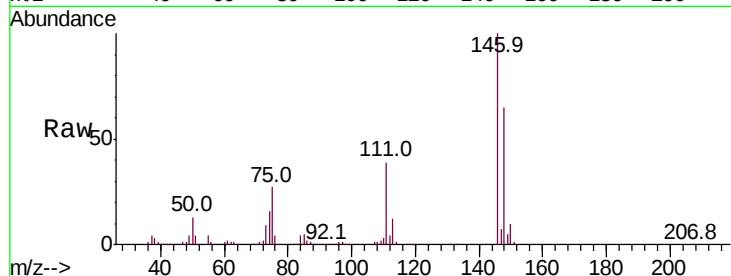
Tot Ion:146 Resp: 302901

Ion Ratio Lower Upper

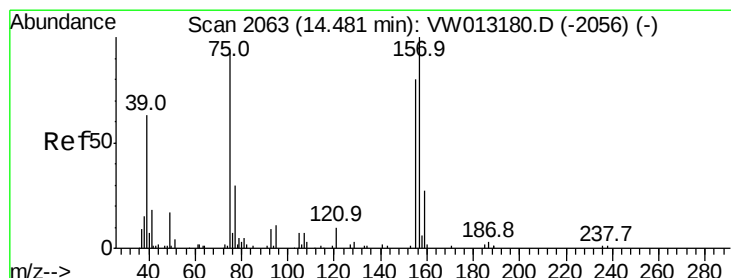
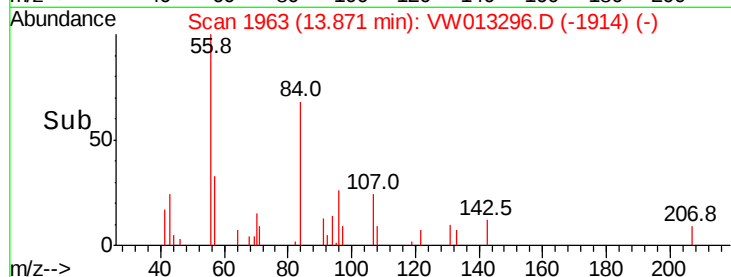
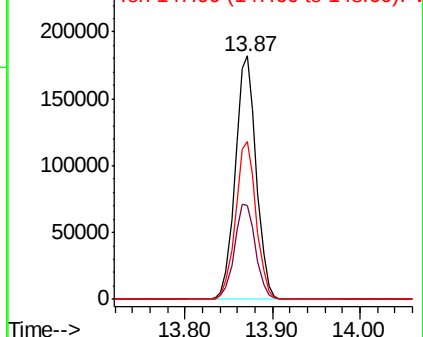
146 100

111 39.7 20.1 60.3

148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.624 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013296.D

Acq: 25 Sep 2019 17:11

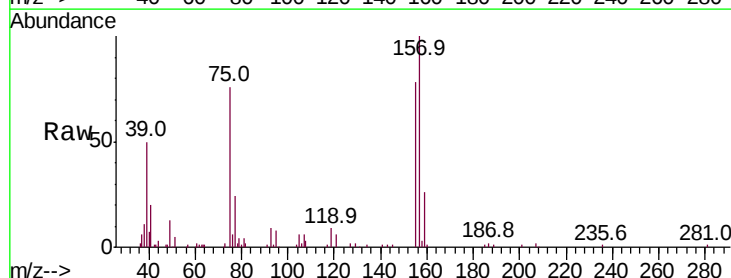
Tgt Ion: 75 Resp: 20644

Ion Ratio Lower Upper

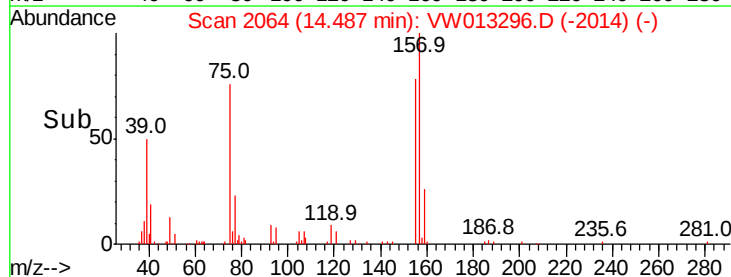
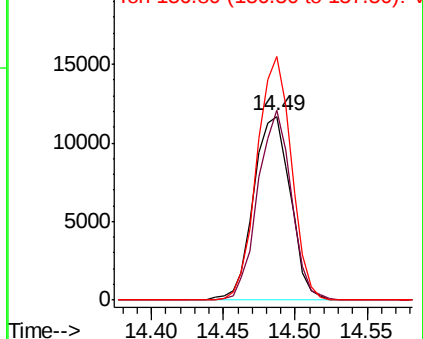
75 100

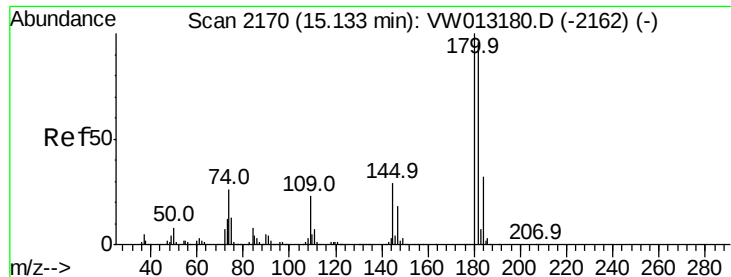
155 93.9 46.1 138.3

157 123.7 60.4 181.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

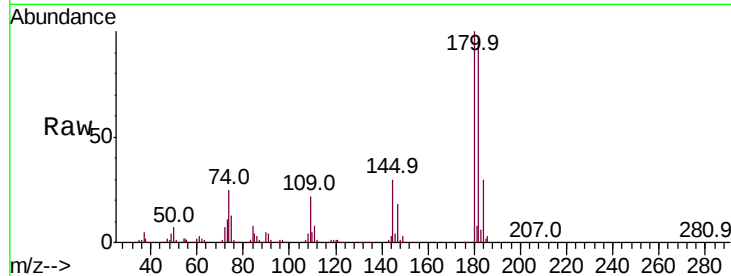




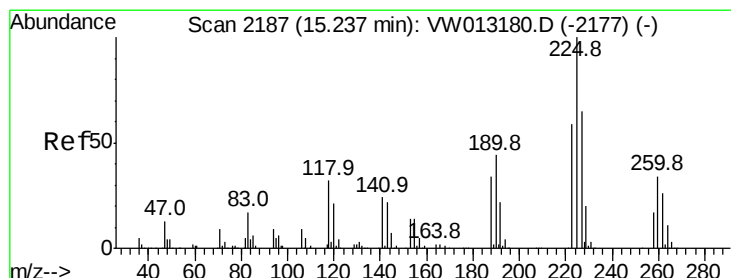
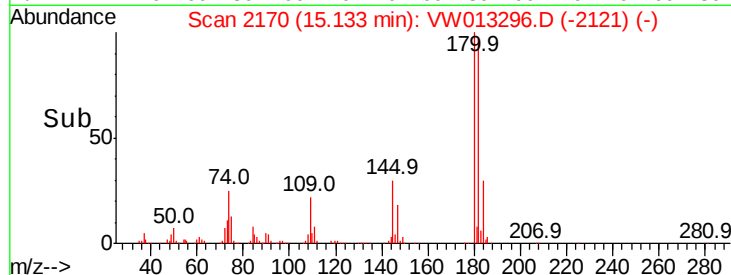
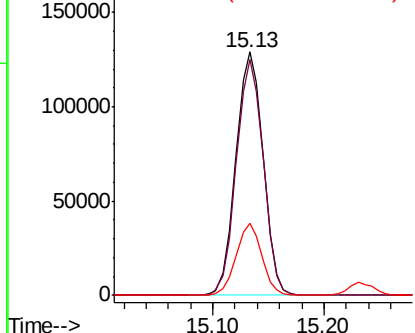
#93
 1,2,4-Trichlorobenzene
 Concen: 47.417 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	27.9	14.2	42.8

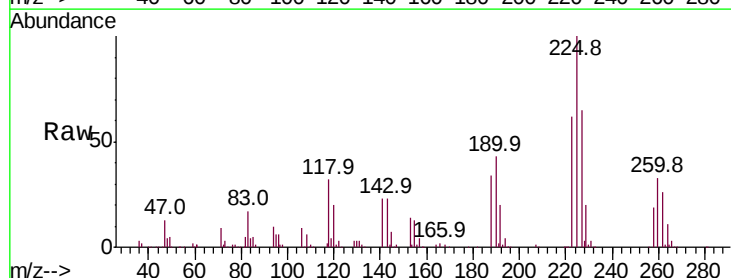


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

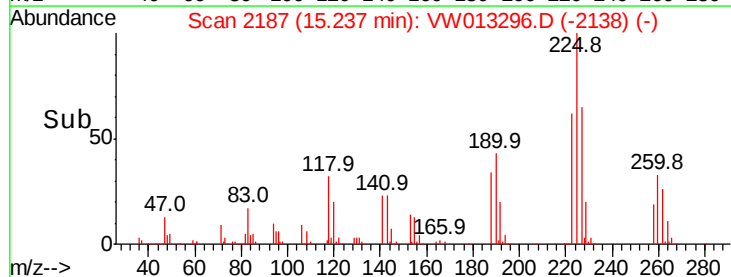
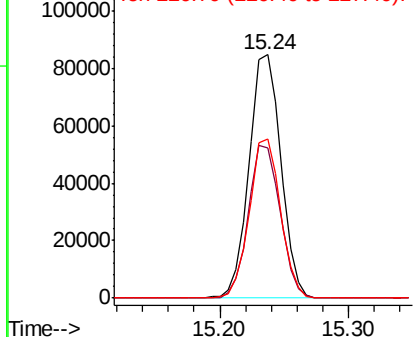


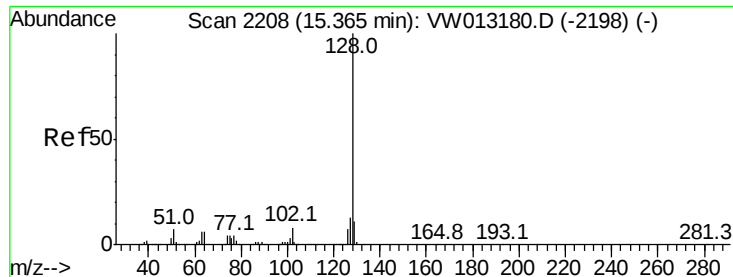
#94
 Hexachlorobutadiene
 Concen: 45.888 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013296.D
 Acq: 25 Sep 2019 17:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.6	91.8
227	64.0	31.9	95.9



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

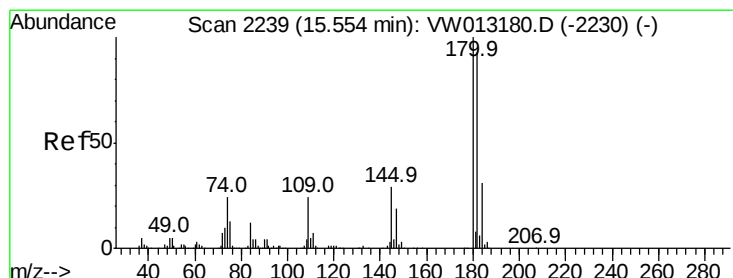
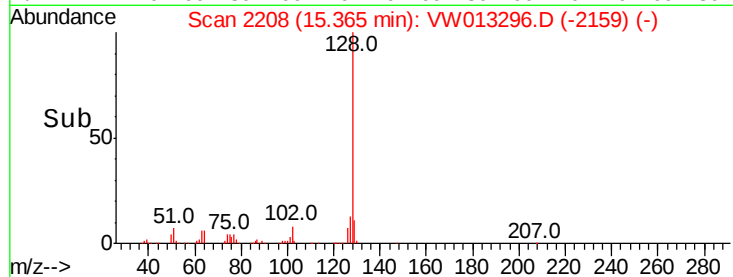
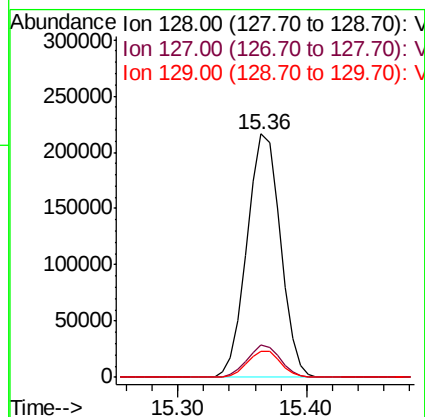
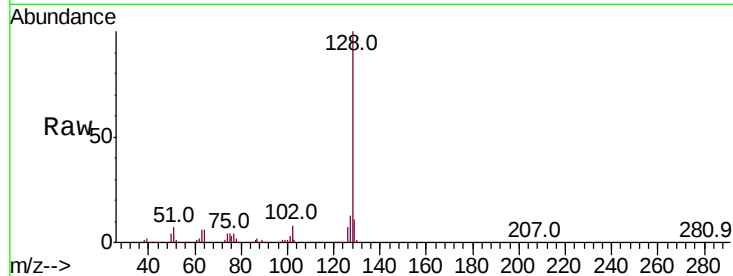




#95
Naphthalene
Concen: 51.607 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.333 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013296.D
Acq: 25 Sep 2019 17:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	29.7	15.0	45.0

