

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013224.D
 Acq On : 23 Sep 2019 12:10
 Operator : SY/VA
 Sample : VW0923SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Quant Time: Sep 24 06:38:21 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	346767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220342	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	151550	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	149484	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.32	98	634878	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.62	95	216196	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	44147	22.070	ug/l	94
3) Chloromethane	2.21	50	52625	20.466	ug/l	96
4) Vinyl Chloride	2.36	62	71349	21.523	ug/l	97
5) Bromomethane	2.77	94	43485	20.700	ug/l	98
6) Chloroethane	2.92	64	38796	19.855	ug/l	99
7) Trichlorofluoromethane	3.25	101	37734	19.741	ug/l	98
8) Diethyl Ether	3.68	74	33821	20.715	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65006	20.889	ug/l	99
10) Methyl Iodide	4.26	142	98828	20.483	ug/l	99
11) Tert butyl alcohol	5.18	59	23602	110.196	ug/l	96
12) 1,1-Dichloroethene	4.04	96	67949	21.085	ug/l	98
13) Acrolein	3.89	56	17171	105.397	ug/l	96
14) Allyl chloride	4.67	41	105299	20.531	ug/l	99
15) Acrylonitrile	5.37	53	72448	102.806	ug/l	99
16) Acetone	4.12	43	60327	94.523	ug/l	94
17) Carbon Disulfide	4.38	76	195243	20.961	ug/l	99
18) Methyl Acetate	4.67	43	38099	21.236	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	103837	21.024	ug/l	96
20) Methylene Chloride	4.92	84	75514	21.478	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72905	20.932	ug/l	98
22) Diisopropyl ether	6.31	45	203882	20.905	ug/l	95
23) Vinyl Acetate	6.25	43	603701	104.341	ug/l	99
24) 1,1-Dichloroethane	6.21	63	124097	21.087	ug/l	97
25) 2-Butanone	7.17	43	94100	98.217	ug/l	94
26) 2,2-Dichloropropane	7.17	77	78106	20.195	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	78351	21.316	ug/l	99
28) Bromochloromethane	7.51	49	41719	18.470	ug/l #	98
29) Tetrahydrofuran	7.53	42	59764	101.716	ug/l	99
30) Chloroform	7.67	83	119529	20.745	ug/l	97
31) Cyclohexane	7.95	56	128348	20.922	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	96892	20.763	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102105	21.122	ug/l	100
37) Ethyl Acetate	7.26	43	41895	20.392	ug/l	99
38) Carbon Tetrachloride	8.07	117	90518	20.889	ug/l	93

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 ALS Vial : 5 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	131020	21.091	ug/l	97
40) Benzene	8.32	78	287254	21.304	ug/l	99
41) Methacrylonitrile	7.48	41	24041	19.607	ug/l	95
42) 1,2-Dichloroethane	8.40	62	75370	20.794	ug/l	98
43) Isopropyl Acetate	8.42	43	79936	20.301	ug/l	97
44) Trichloroethene	9.09	130	81033	21.420	ug/l	92
45) 1,2-Dichloropropane	9.37	63	69433	21.092	ug/l	99
46) Dibromomethane	9.46	93	33442	20.925	ug/l	99
47) Bromodichloromethane	9.64	83	84141	20.690	ug/l	97
48) Methyl methacrylate	9.43	41	40310	21.771	ug/l	97
49) 1,4-Dioxane	9.46	88	9589	399.708	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	199843	101.239	ug/l	98
52) Toluene	10.39	92	183920	21.283	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87680	20.986	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	106993	21.061	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	49925	20.900	ug/l	94
56) Ethyl methacrylate	10.65	69	65762	21.035	ug/l	100
57) 1,3-Dichloropropane	10.93	76	87637	21.023	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	148368	102.514	ug/l	100
59) 2-Hexanone	10.97	43	138173	101.741	ug/l	100
60) Dibromochloromethane	11.13	129	58840	21.693	ug/l	98
61) 1,2-Dibromoethane	11.23	107	46749	20.583	ug/l	97
64) Tetrachloroethene	10.86	164	69468	21.265	ug/l	98
65) Chlorobenzene	11.66	112	188374	20.952	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66393	21.615	ug/l	97
67) Ethyl Benzene	11.73	91	345152	21.187	ug/l	98
68) m/p-Xylenes	11.84	106	267269	43.055	ug/l	100
69) o-Xylene	12.16	106	122538	21.232	ug/l	98
70) Styrene	12.18	104	211172	21.313	ug/l	100
71) Bromoform	12.35	173	34584	21.312	ug/l #	99
73) Isopropylbenzene	12.46	105	340951	20.947	ug/l	100
74) N-amyl acetate	12.27	43	70966	19.648	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	55406	20.354	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	72152	37.079	ug/l #	100
77) Bromobenzene	12.74	156	81074	21.019	ug/l	99
78) n-propylbenzene	12.80	91	400680	21.030	ug/l	100
79) 2-Chlorotoluene	12.89	91	227631	21.326	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	288856	21.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18501	21.334	ug/l	99
82) 4-Chlorotoluene	12.99	91	236238	20.988	ug/l	100
83) tert-Butylbenzene	13.21	119	253059	21.072	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	287857	21.142	ug/l	100
85) sec-Butylbenzene	13.38	105	352871	21.313	ug/l	99
86) p-Isopropyltoluene	13.50	119	323821	21.087	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157723	21.247	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	157207	21.593	ug/l	99
89) n-Butylbenzene	13.82	91	298467	21.285	ug/l	99
90) Hexachloroethane	14.09	117	54663	21.189	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	137900	21.473	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8804	21.145	ug/l	97

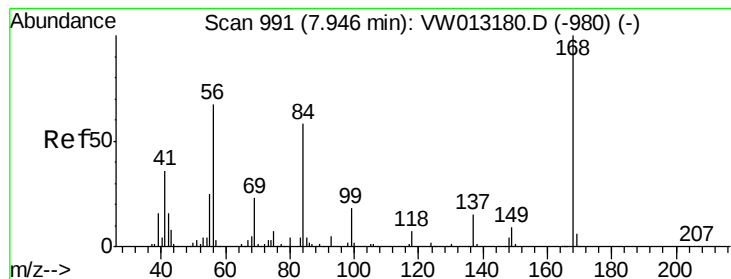
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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Operator : SY/VA
Sample : VW0923SBSD01
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ClientSampleId :
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Quant Time: Sep 24 06:38:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	97917	21.277	ug/l	99
94) Hexachlorobutadiene	15.24	225	66467	21.111	ug/l	98
95) Naphthalene	15.36	128	159363	21.173	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	85166	21.418	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

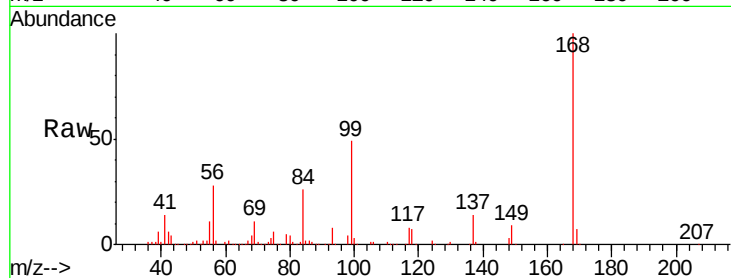
VW0923SBSD01

Tgt Ion:168 Resp: 346767

Ion Ratio Lower Upper

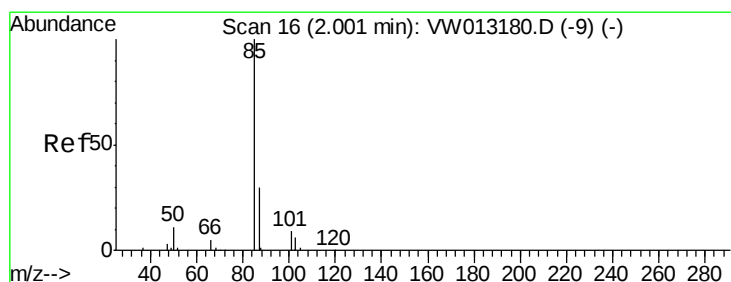
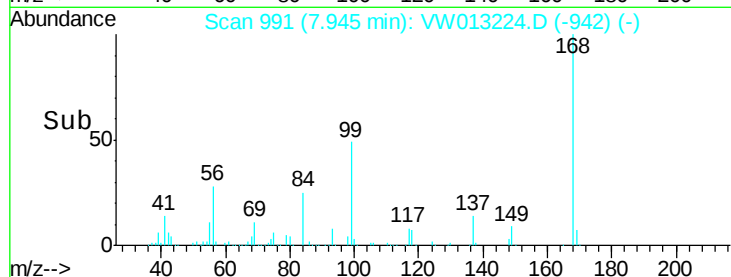
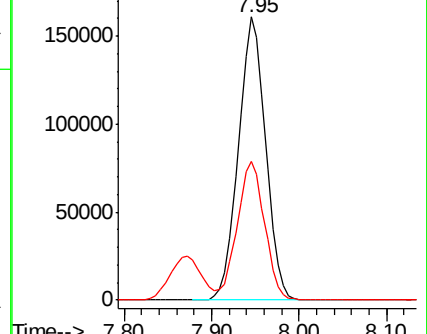
168 100

99 48.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.070 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013224.D

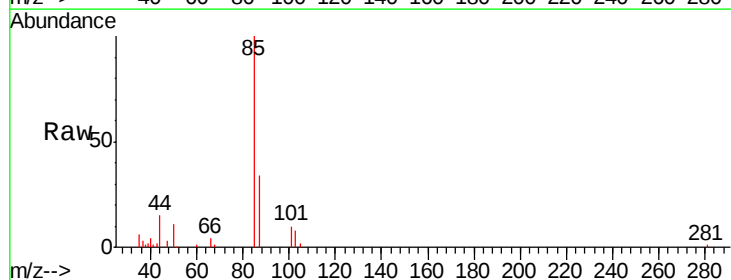
Acq: 23 Sep 2019 12:10

Tgt Ion: 85 Resp: 44147

Ion Ratio Lower Upper

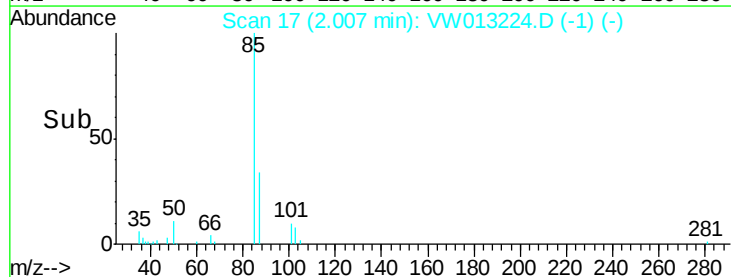
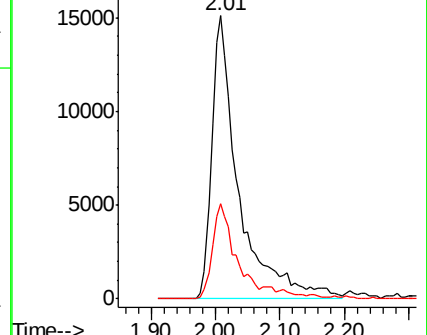
85 100

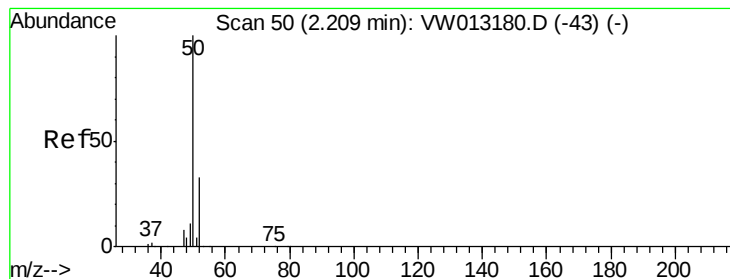
87 33.7 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.466 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

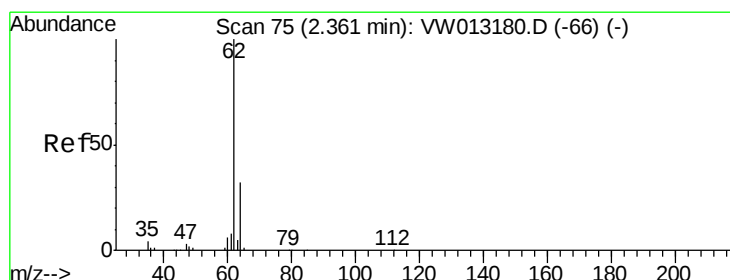
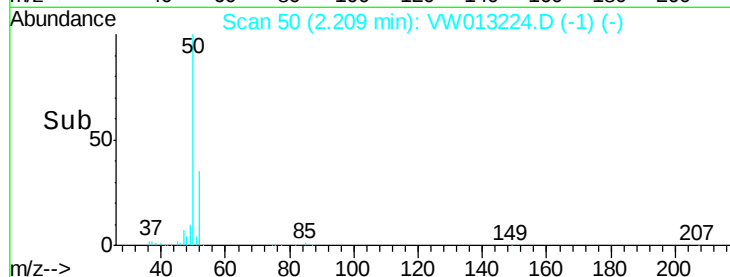
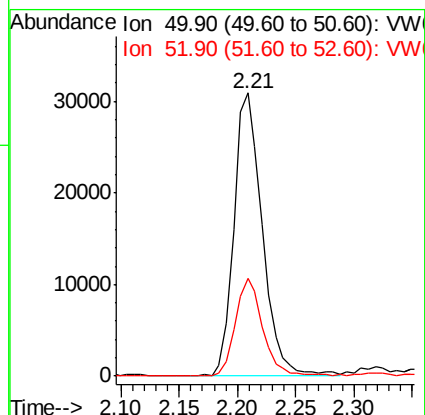
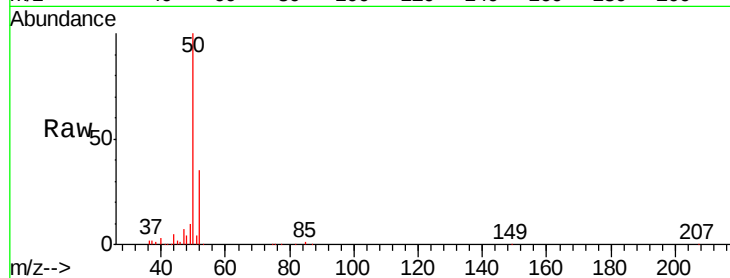
VW0923SBSD01

Tgt Ion: 50 Resp: 52625

Ion Ratio Lower Upper

50 100

52 34.6 26.1 39.1



#4

Vinyl Chloride

Concen: 21.523 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013224.D

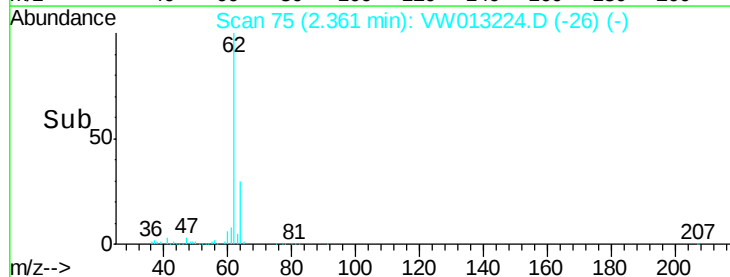
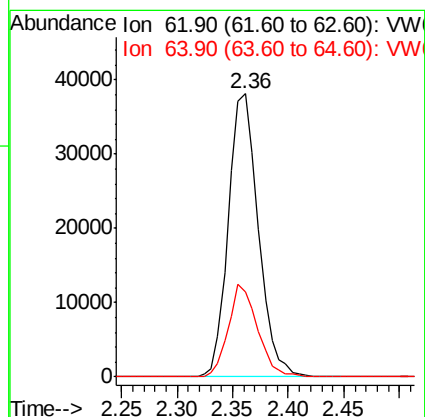
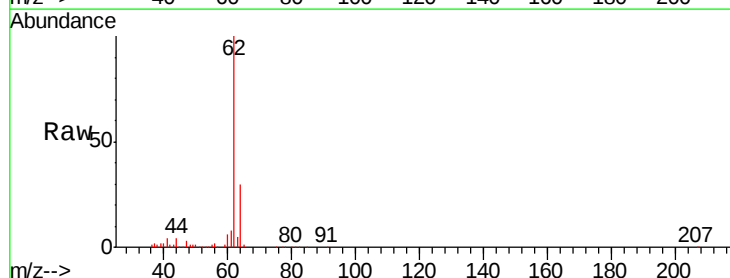
Acq: 23 Sep 2019 12:10

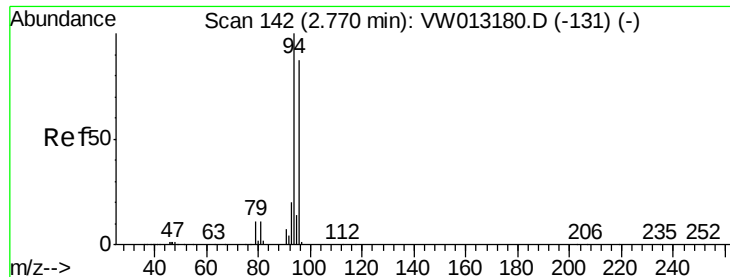
Tgt Ion: 62 Resp: 71349

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 20.700 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

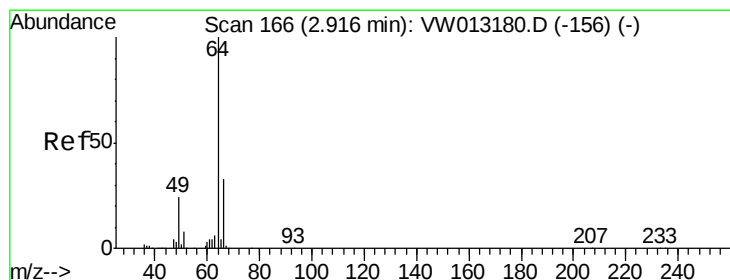
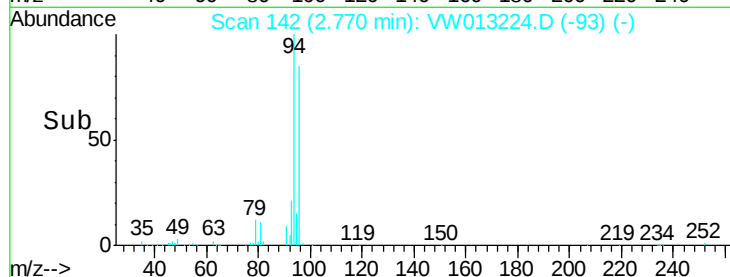
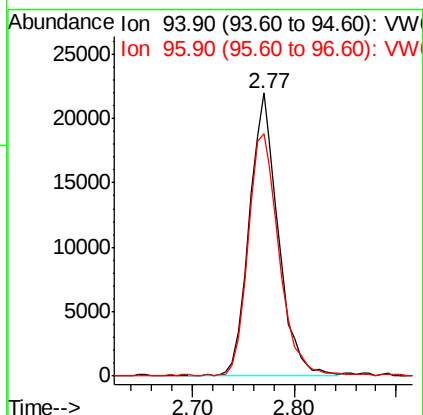
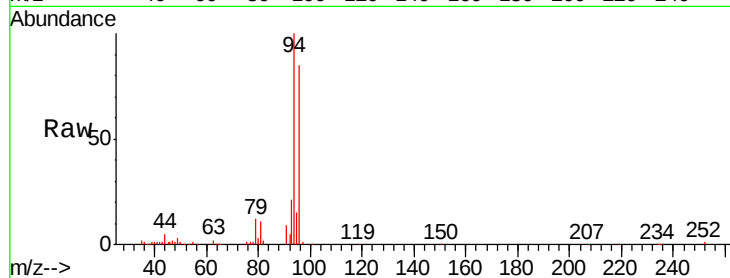
VW0923SBSD01

Tgt Ion: 94 Resp: 43485

Ion Ratio Lower Upper

94 100

96 85.0 69.7 104.5



#6

Chloroethane

Concen: 19.855 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013224.D

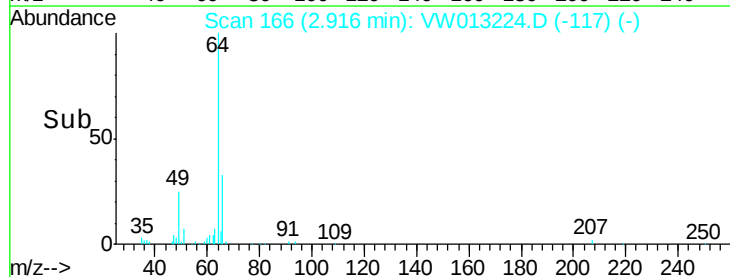
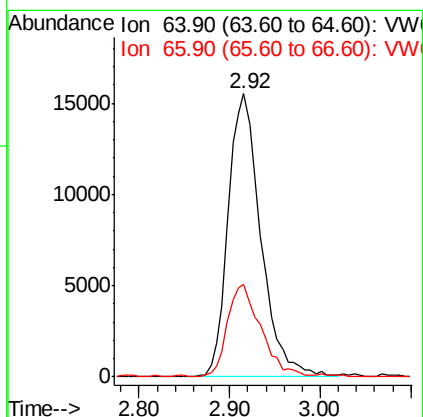
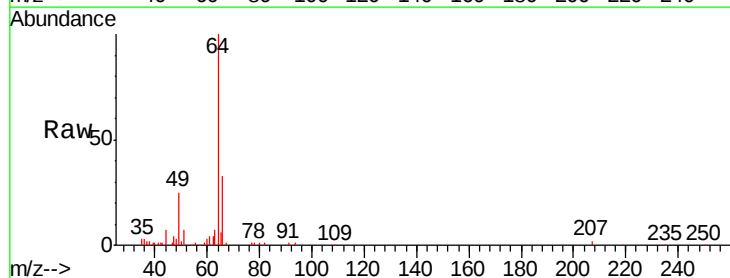
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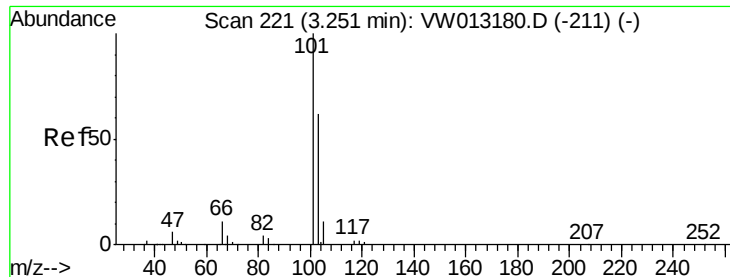
Tgt Ion: 64 Resp: 38796

Ion Ratio Lower Upper

64 100

66 32.7 26.6 39.8



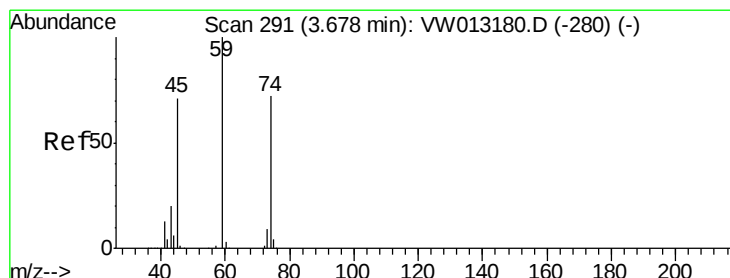
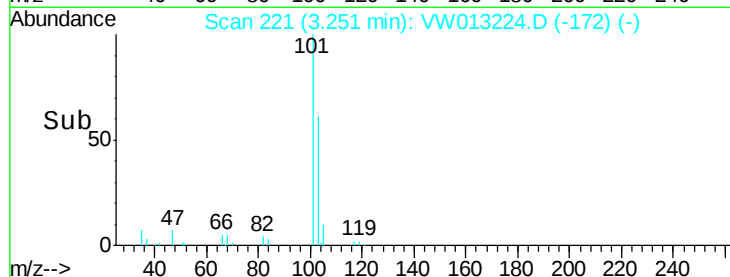
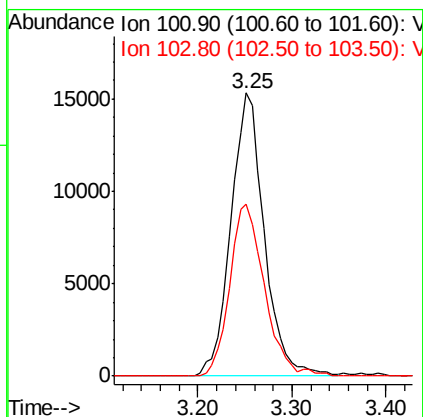
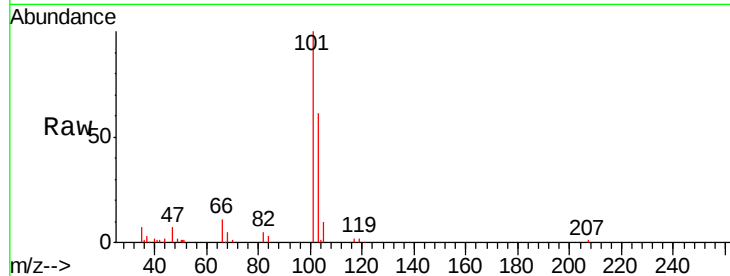


#7

Trichlorofluoromethane
 Concen: 19.741 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

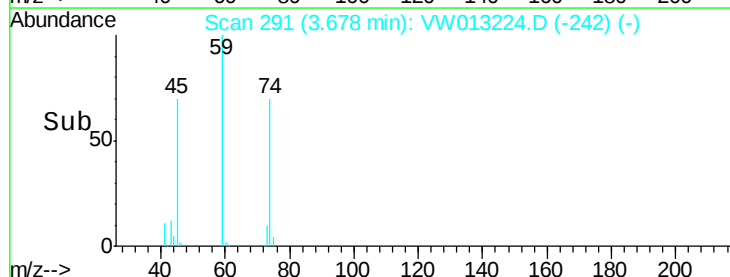
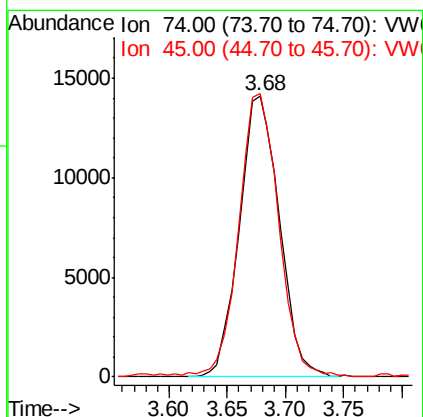
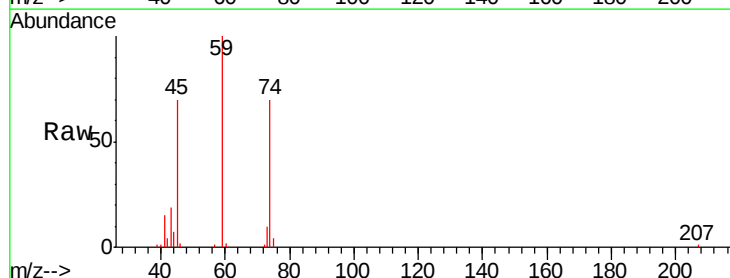
Tgt Ion:101 Resp: 37734
 Ion Ratio Lower Upper
 101 100
 103 60.8 49.7 74.5

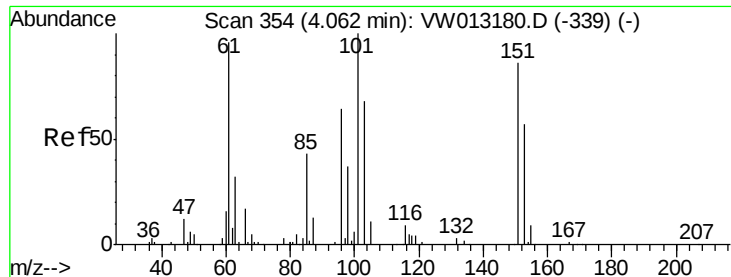


#8

Diethyl Ether
 Concen: 20.715 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 74 Resp: 33821
 Ion Ratio Lower Upper
 74 100
 45 100.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.889 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

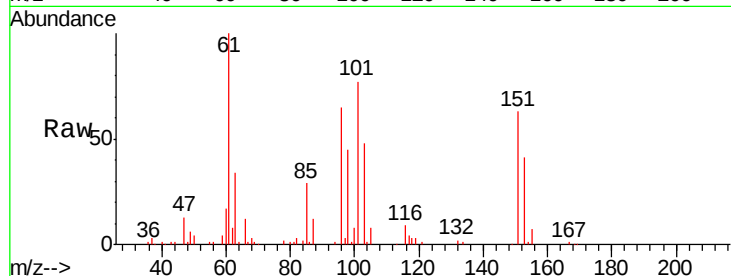
Tgt Ion:101 Resp: 65006

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.0

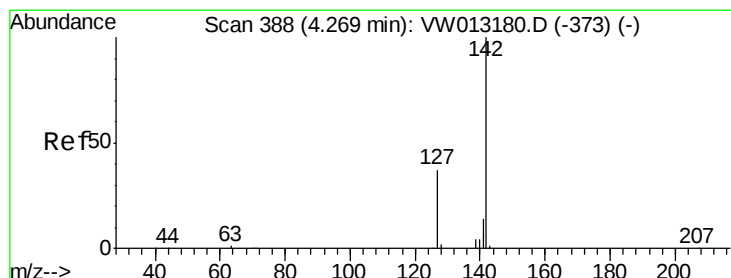
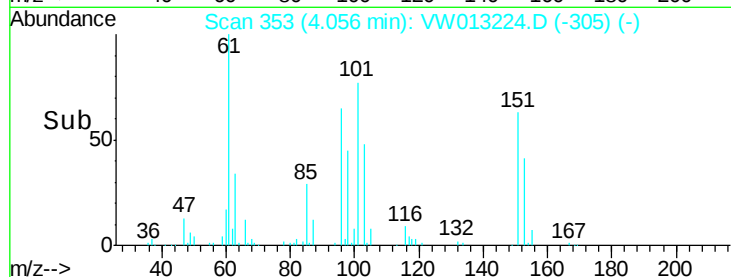
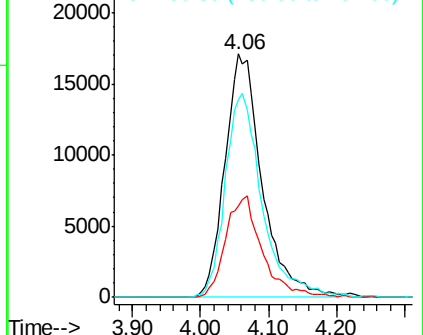
151 83.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.483 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

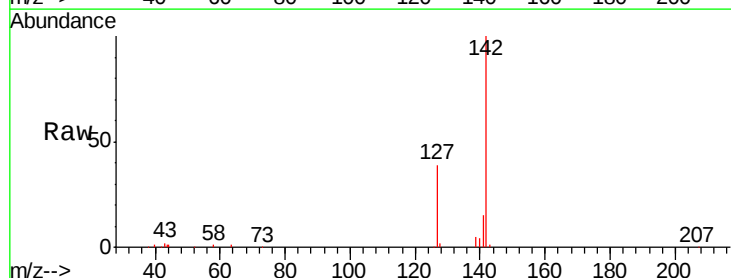
Tgt Ion:142 Resp: 98828

Ion Ratio Lower Upper

142 100

127 38.3 30.9 46.3

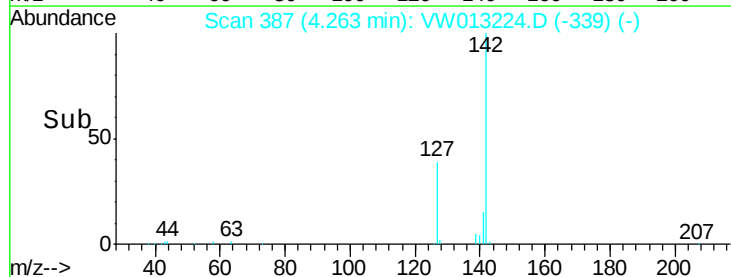
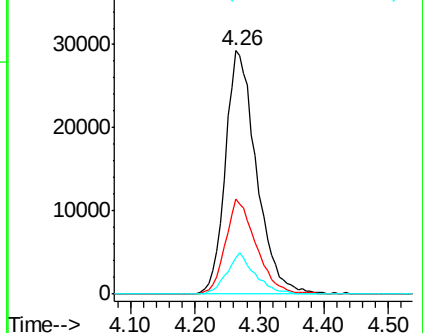
141 15.2 11.7 17.5

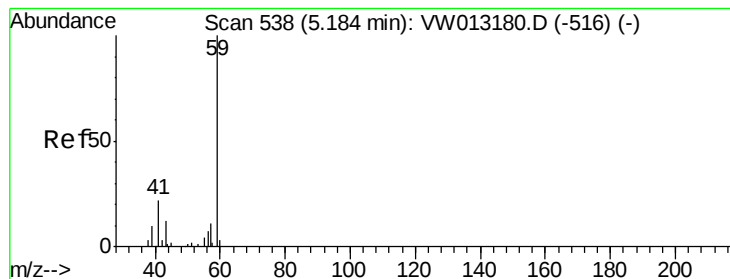


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



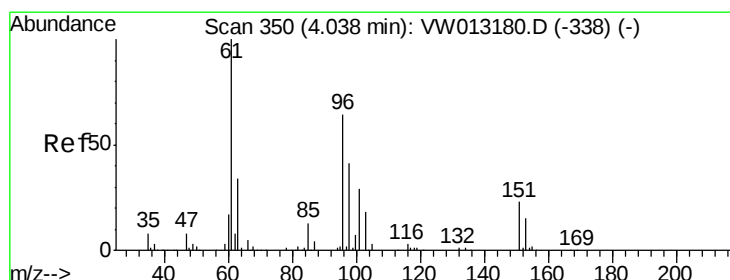
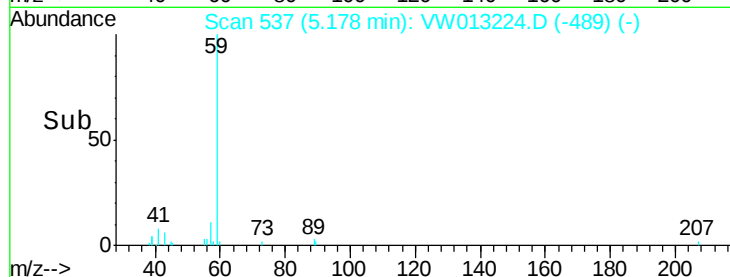
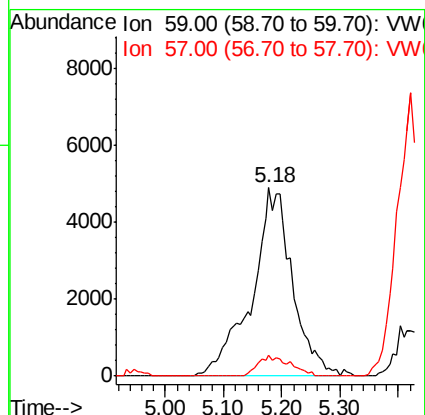
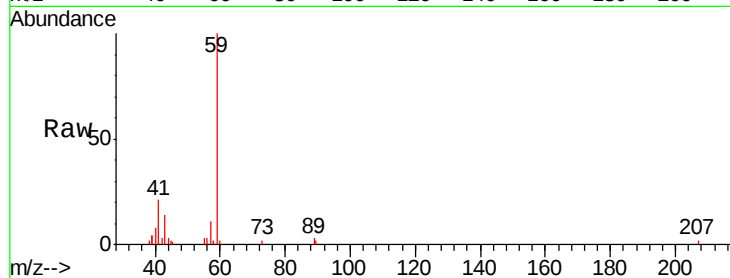


#11

Tert butyl alcohol
Concen: 110.196 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

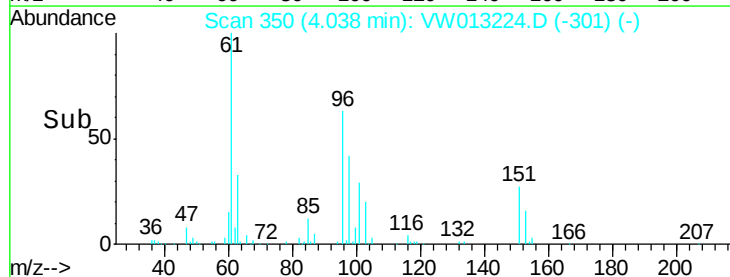
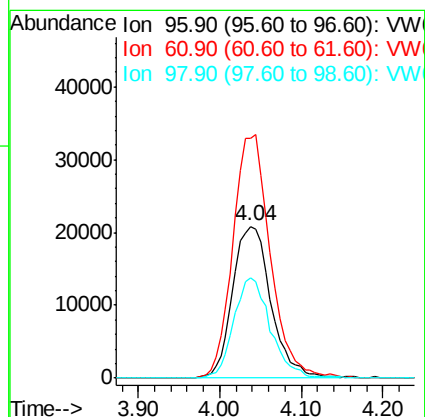
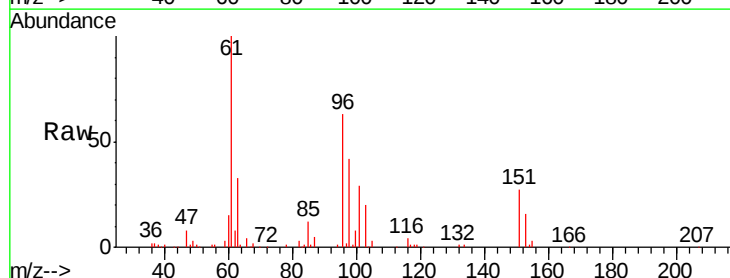
Tgt Ion: 59 Resp: 23602
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.2

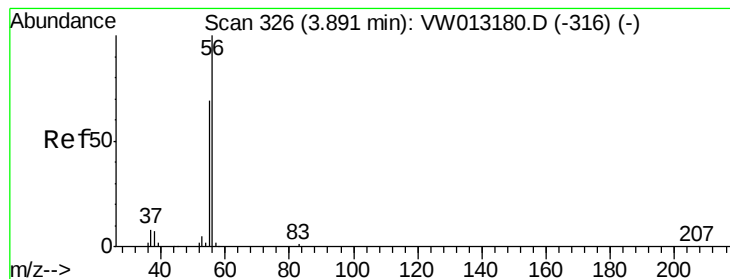


#12

1,1-Dichloroethene
Concen: 21.085 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 96 Resp: 67949
Ion Ratio Lower Upper
96 100
61 158.6 125.1 187.7
98 66.5 50.8 76.2





#13

Acrolein

Concen: 105.397 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

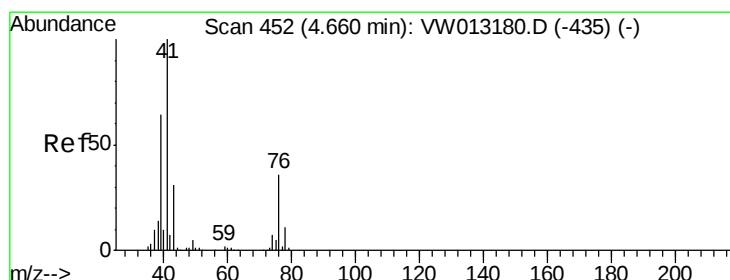
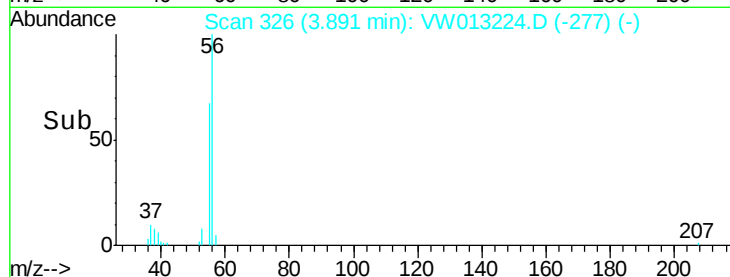
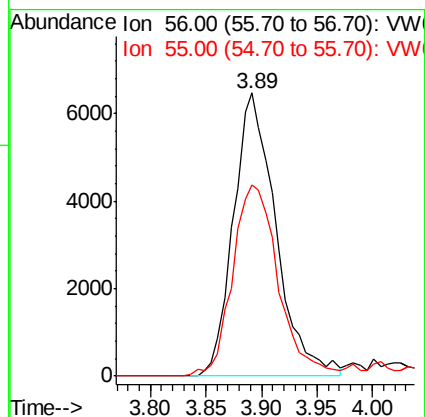
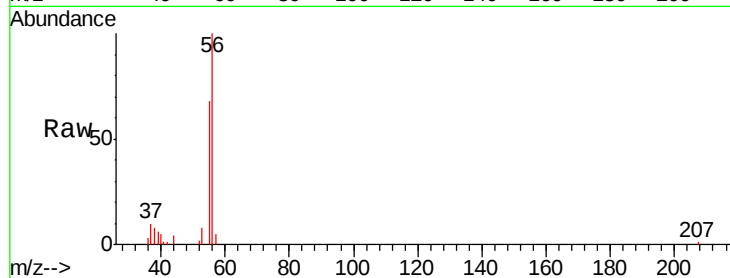
VW0923SBSD01

Tgt Ion: 56 Resp: 17171

Ion Ratio Lower Upper

56 100

55 72.3 55.4 83.0



#14

Allyl chloride

Concen: 20.531 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

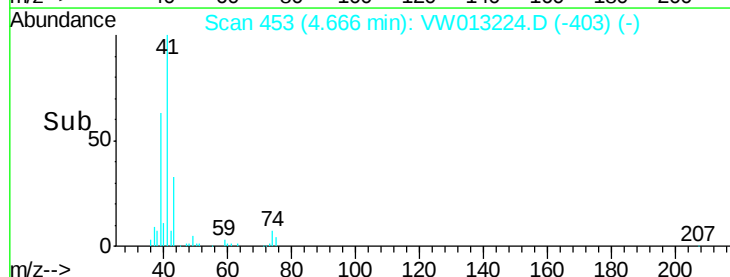
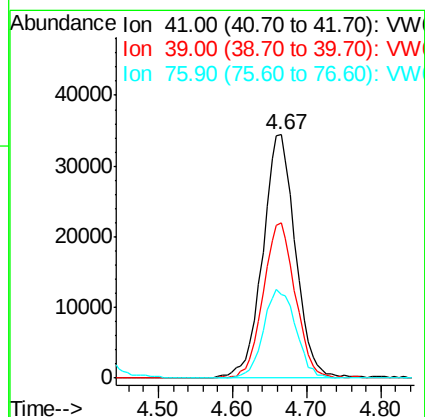
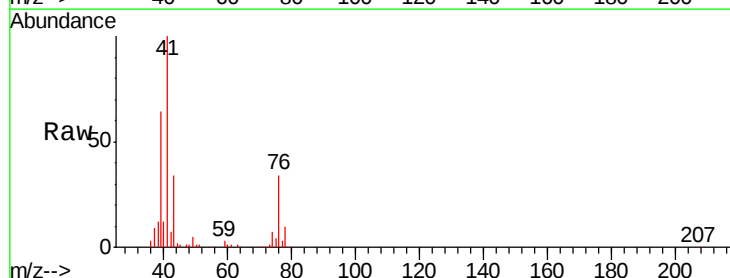
Tgt Ion: 41 Resp: 105299

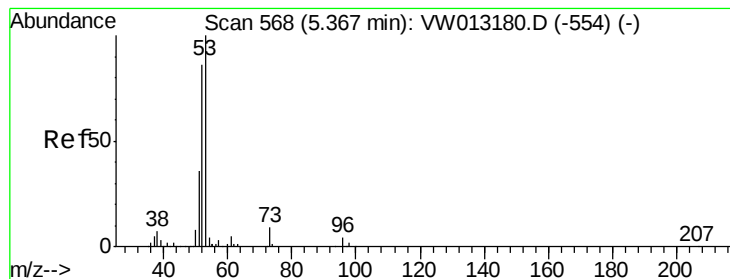
Ion Ratio Lower Upper

41 100

39 62.8 51.0 76.4

76 36.2 28.4 42.6





#15

Acrylonitrile

Concen: 102.806 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

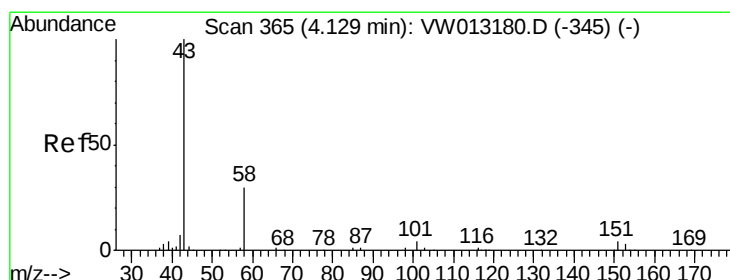
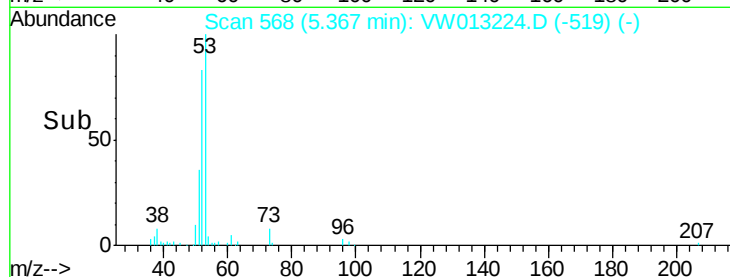
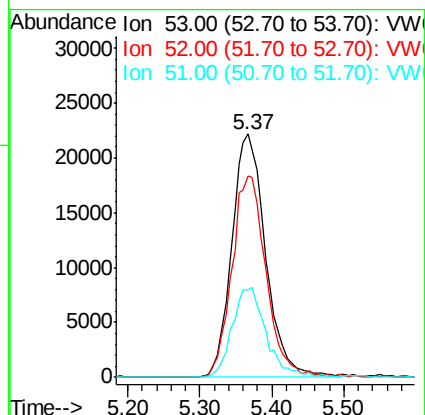
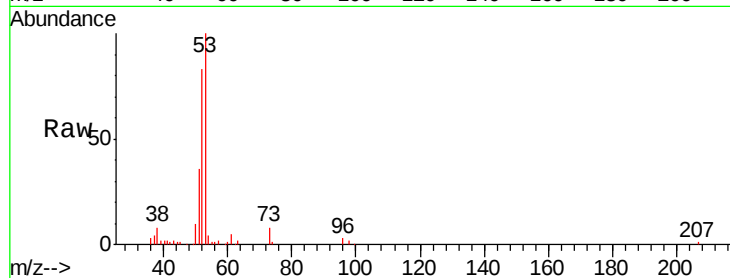
Tgt Ion: 53 Resp: 72448

Ion Ratio Lower Upper

53 100

52 82.6 65.3 97.9

51 36.8 29.0 43.4



#16

Acetone

Concen: 94.523 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013224.D

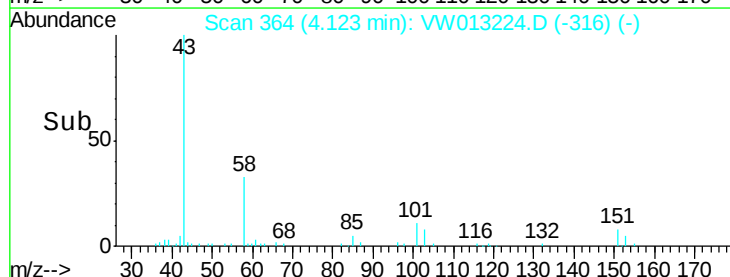
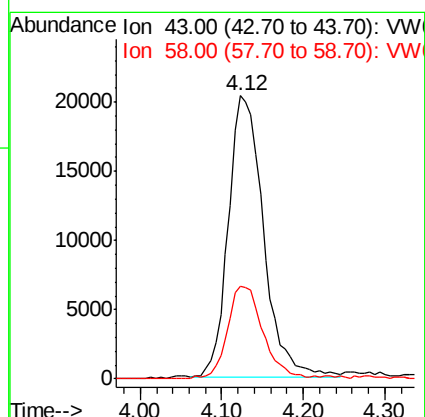
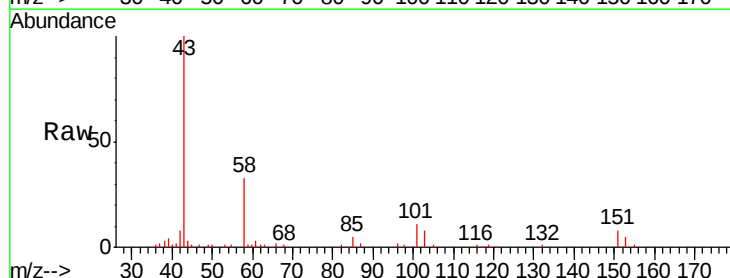
Acq: 23 Sep 2019 12:10

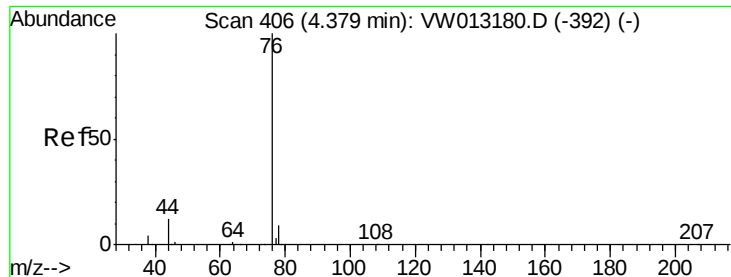
Tgt Ion: 43 Resp: 60327

Ion Ratio Lower Upper

43 100

58 33.1 24.1 36.1

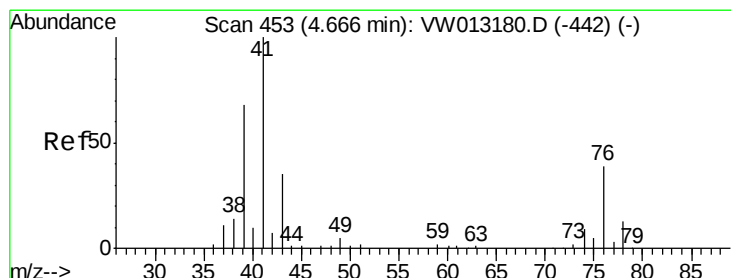
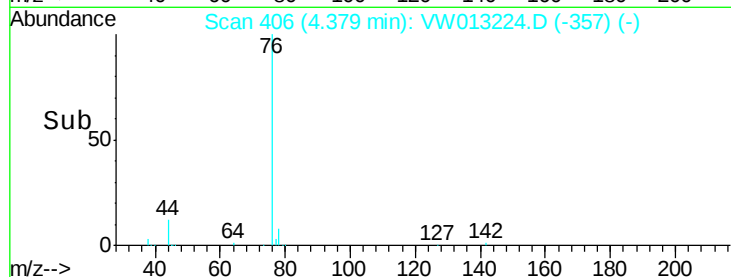
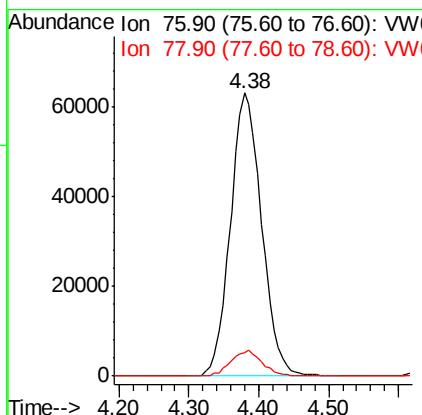
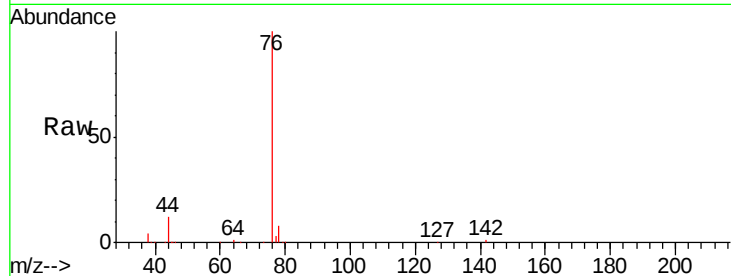




#17
Carbon Disulfide
Concen: 20.961 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

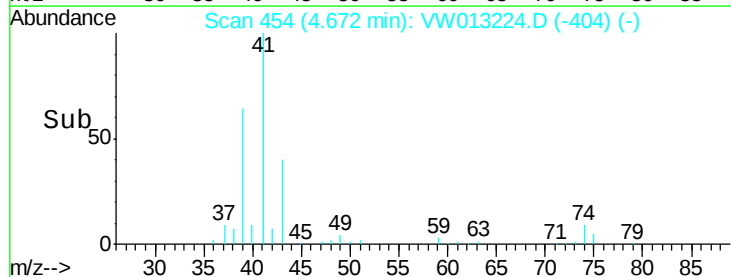
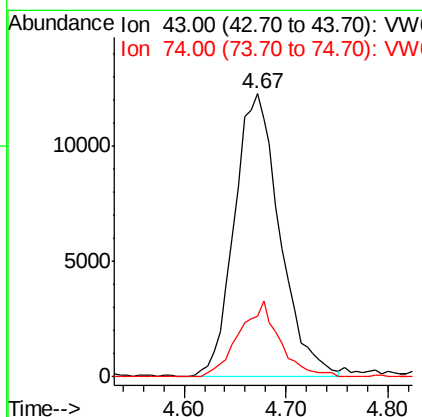
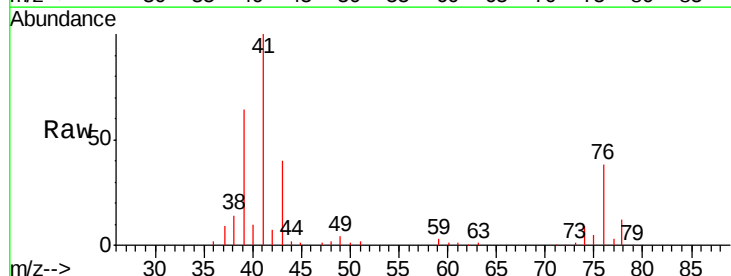
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

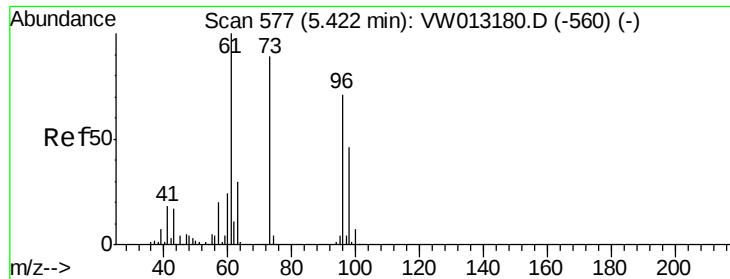
Tgt Ion: 76 Resp: 195243
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



#18
Methyl Acetate
Concen: 21.236 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 43 Resp: 38099
Ion Ratio Lower Upper
43 100
74 23.9 19.3 28.9

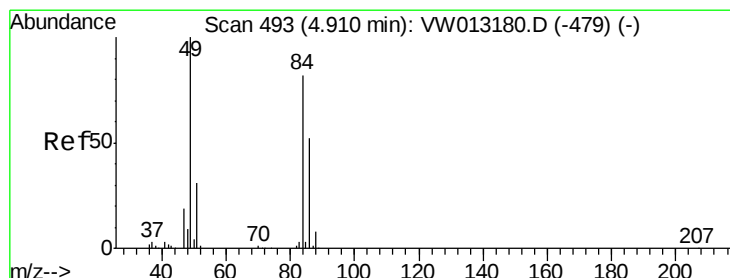
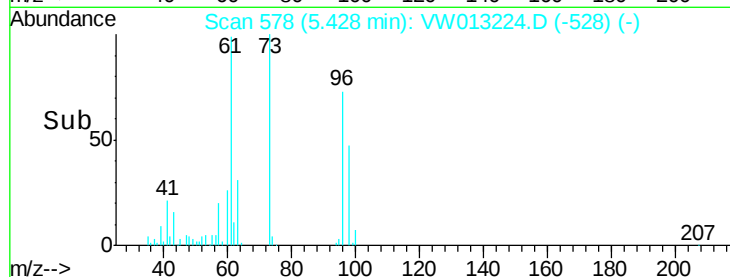
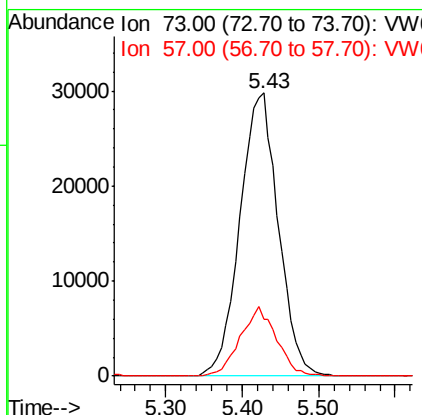
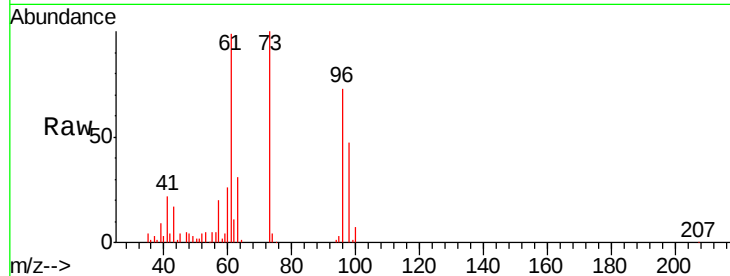




#19
Methyl tert-butyl Ether
Concen: 21.024 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

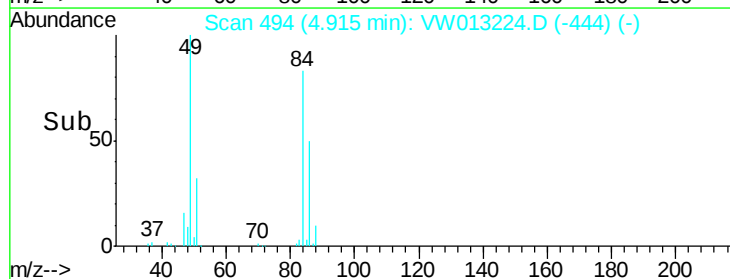
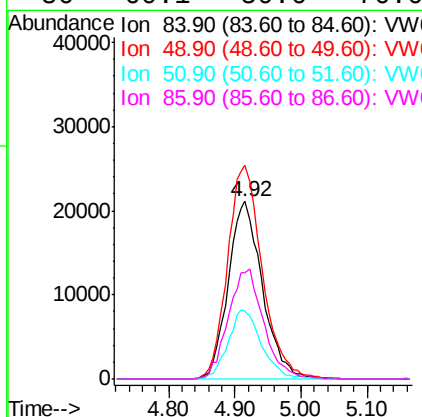
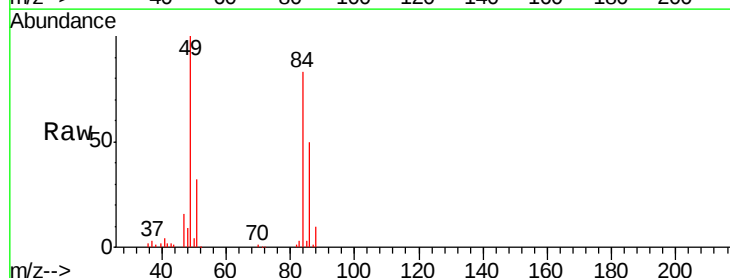
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

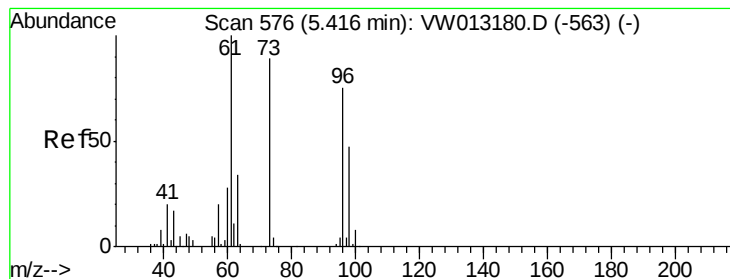
Tgt Ion: 73 Resp: 103837
Ion Ratio Lower Upper
73 100
57 20.3 17.6 26.4



#20
Methylene Chloride
Concen: 21.478 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 84 Resp: 75514
Ion Ratio Lower Upper
84 100
49 120.3 97.6 146.4
51 38.4 30.2 45.2
86 60.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.932 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

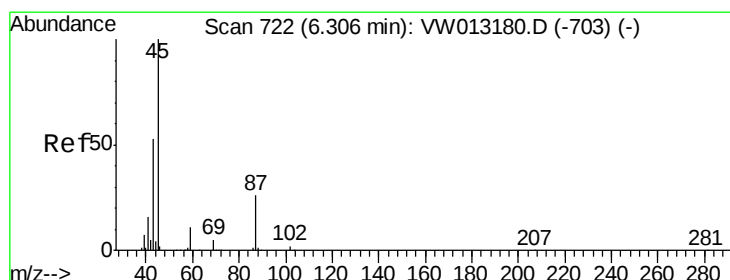
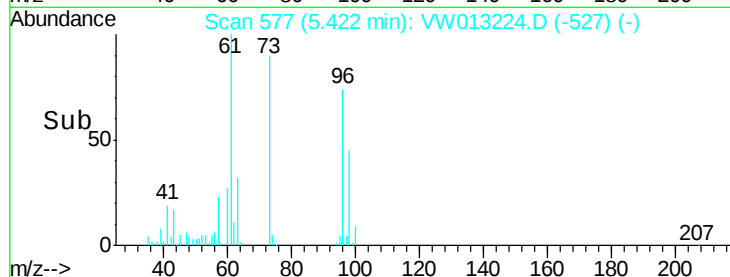
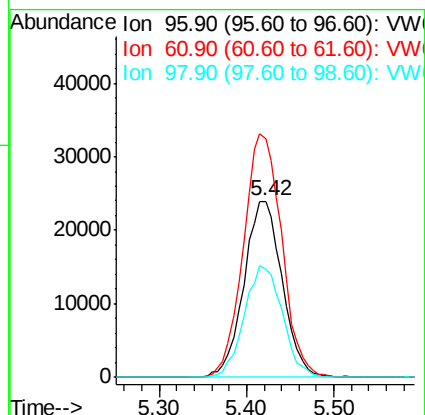
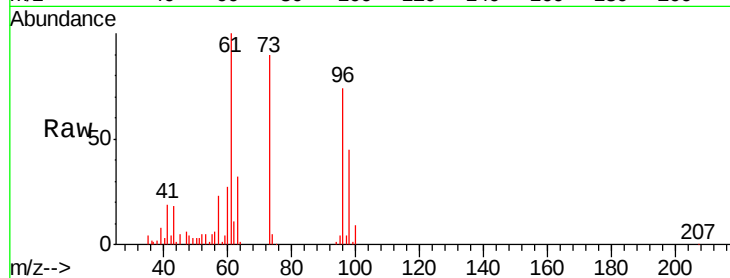
Tgt Ion: 96 Resp: 72905

Ion Ratio Lower Upper

96 100

61 135.8 106.6 159.8

98 61.6 49.8 74.8



#22

Diisopropyl ether

Concen: 20.905 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion: 45 Resp: 203882

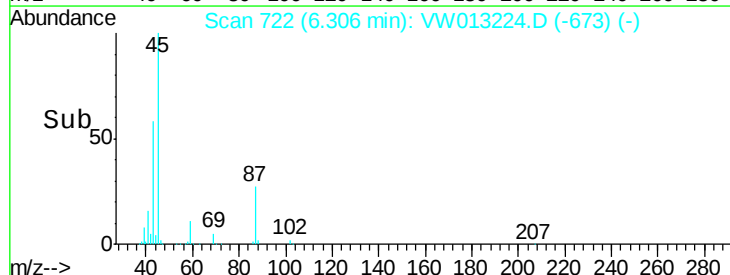
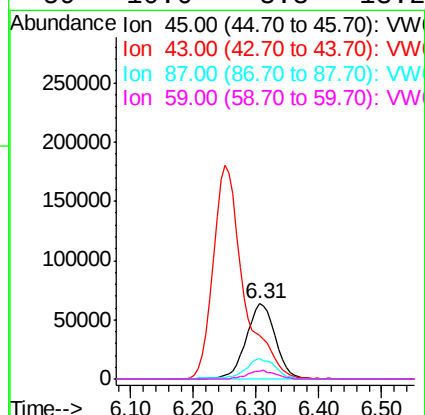
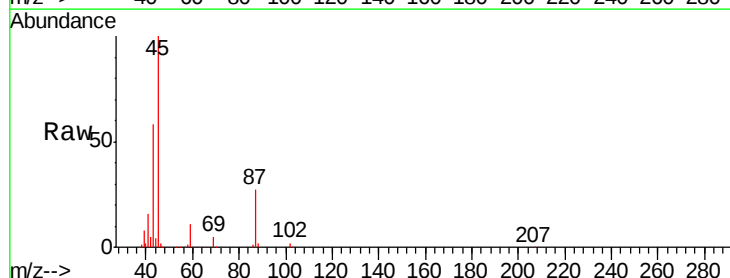
Ion Ratio Lower Upper

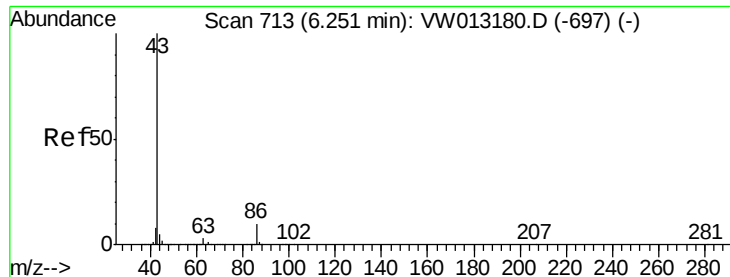
45 100

43 57.2 42.4 63.6

87 27.2 20.4 30.6

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 104.341 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

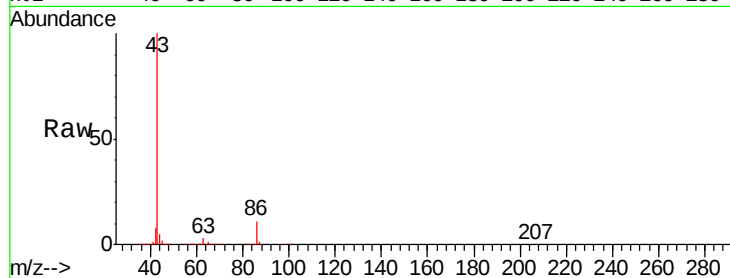
VW0923SBSD01

Tgt Ion: 43 Resp: 603701

Ion Ratio Lower Upper

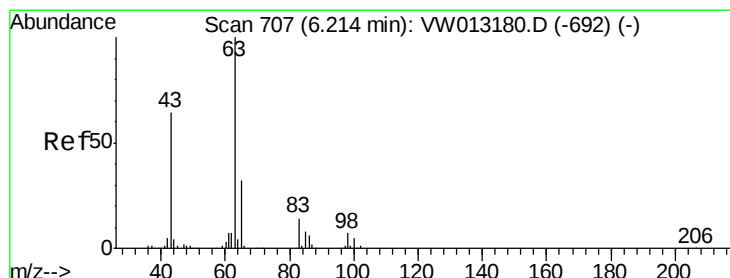
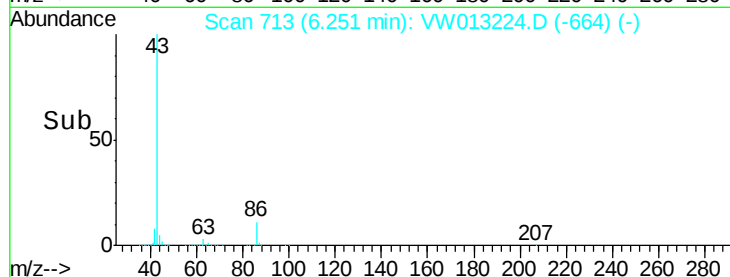
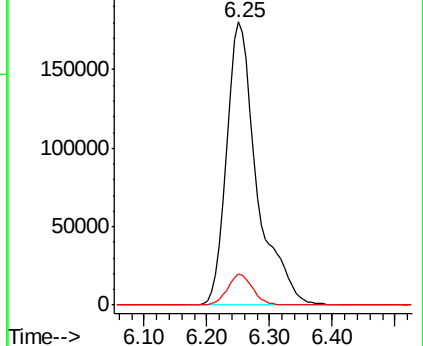
43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.087 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

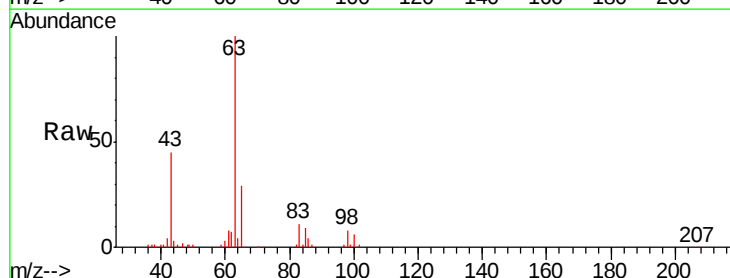
Tgt Ion: 63 Resp: 124097

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

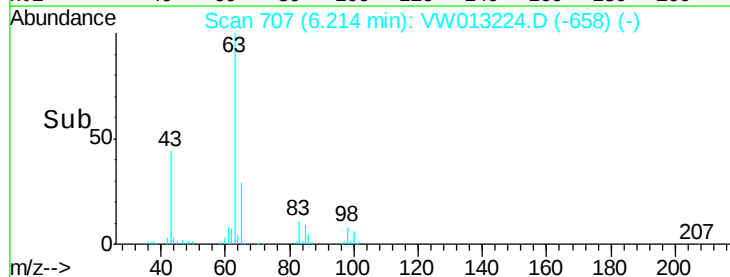
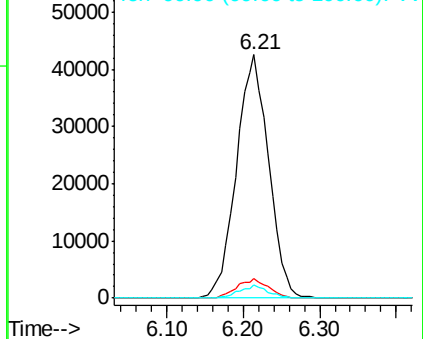
100 5.6 2.4 7.1

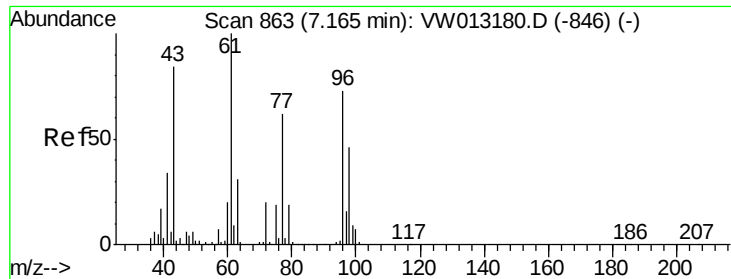


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.217 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

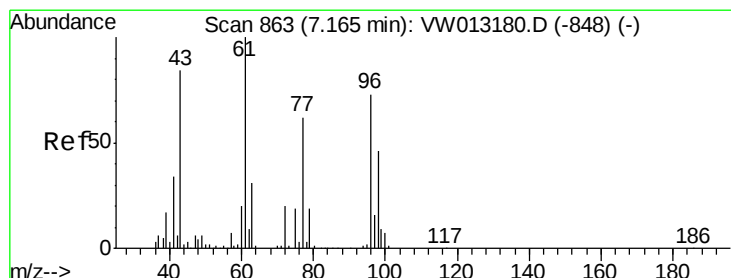
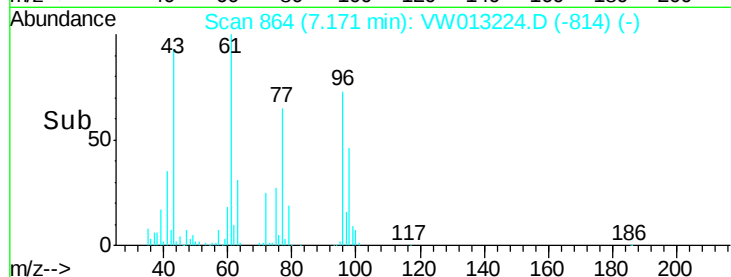
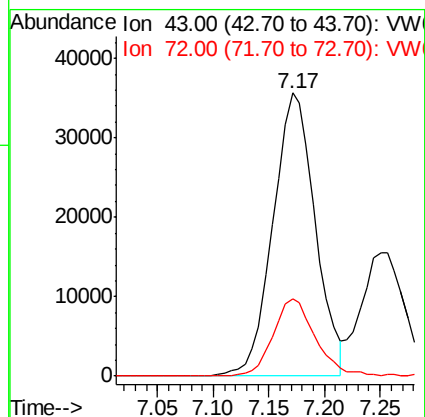
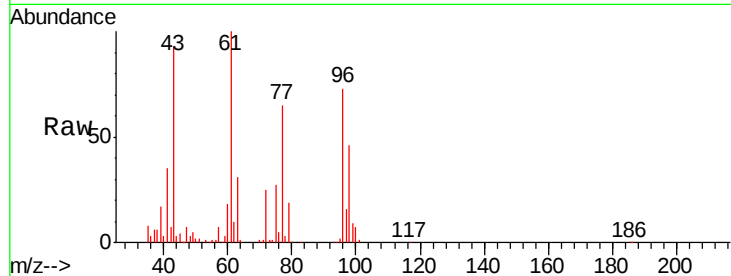
VW0923SBSD01

Tgt Ion: 43 Resp: 94100

Ion Ratio Lower Upper

43 100

72 27.2 19.4 29.0



#26

2,2-Dichloropropane

Concen: 20.195 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013224.D

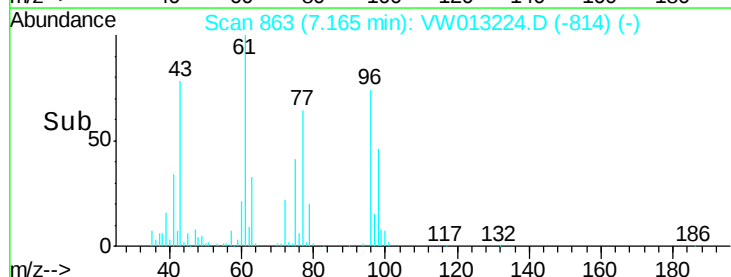
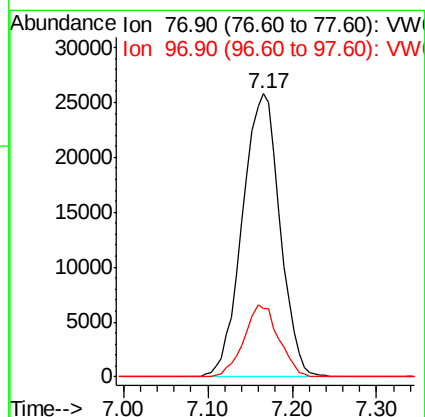
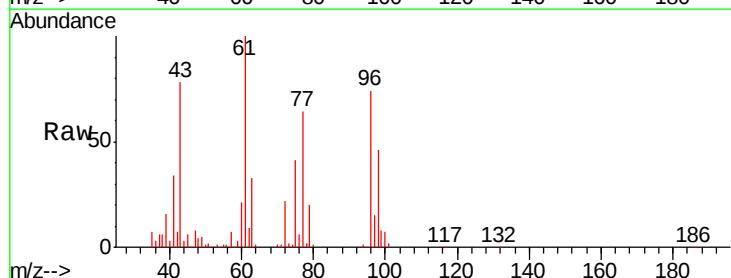
Acq: 23 Sep 2019 12:10

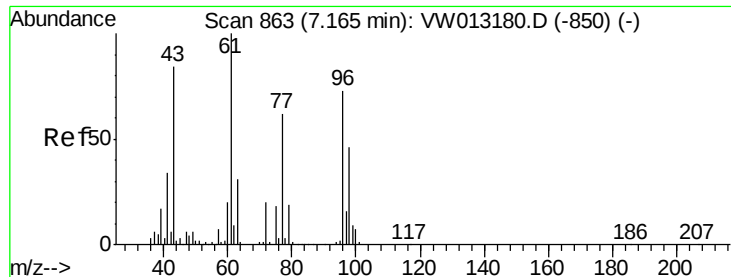
Tgt Ion: 77 Resp: 78106

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4



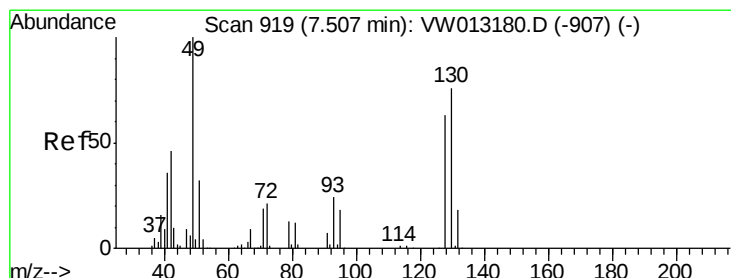
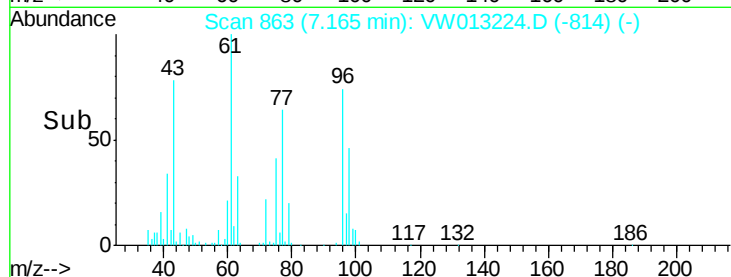
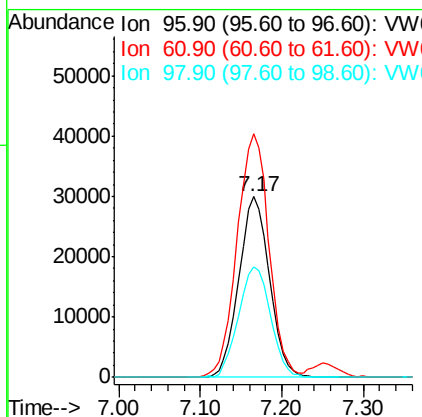
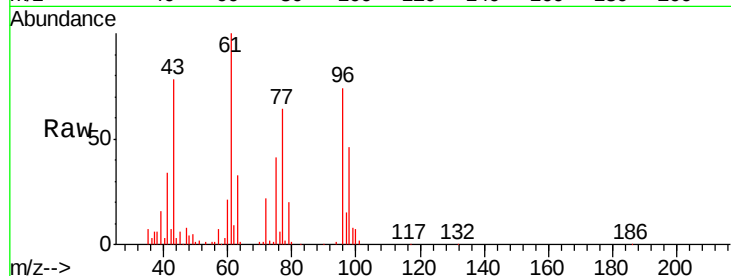


#27

cis-1,2-Dichloroethene
Concen: 21.316 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

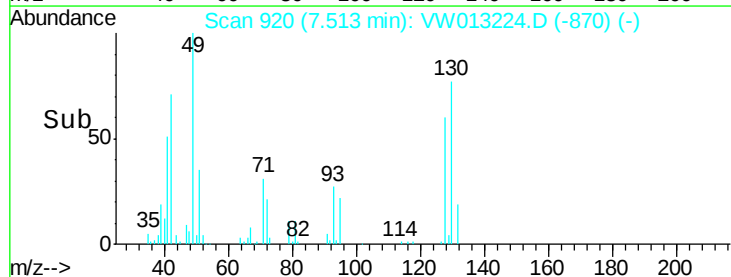
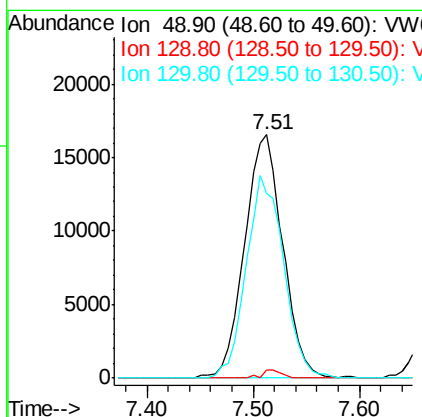
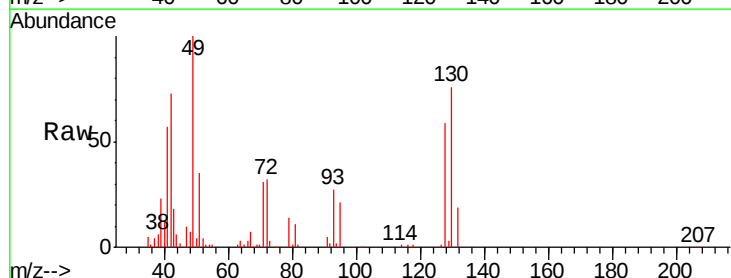
Tgt Ion: 96 Resp: 78351
Ion Ratio Lower Upper
96 100
61 139.5 0.0 282.4
98 64.1 0.0 128.2

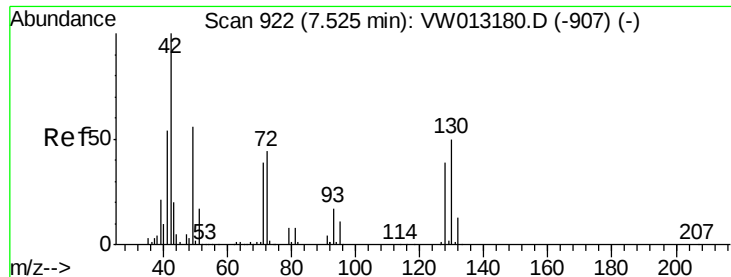


#28

Bromochloromethane
Concen: 18.470 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 49 Resp: 41719
Ion Ratio Lower Upper
49 100
129 1.7 0.0 1.0#
130 81.3 63.4 95.2

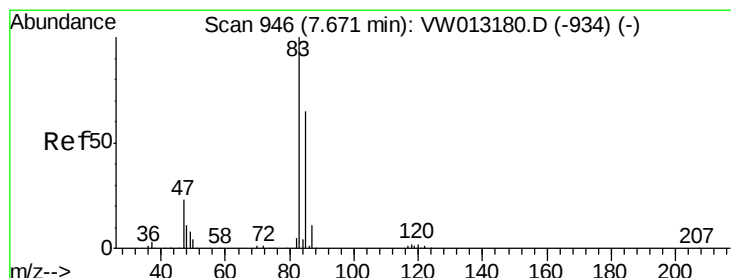
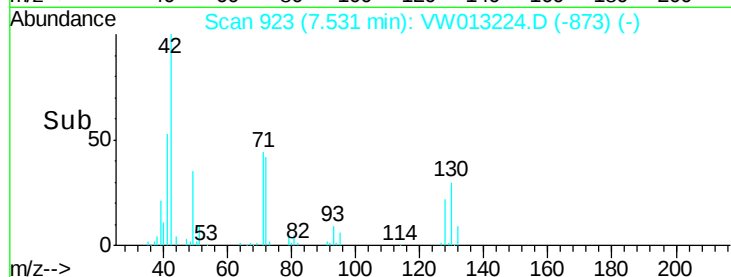
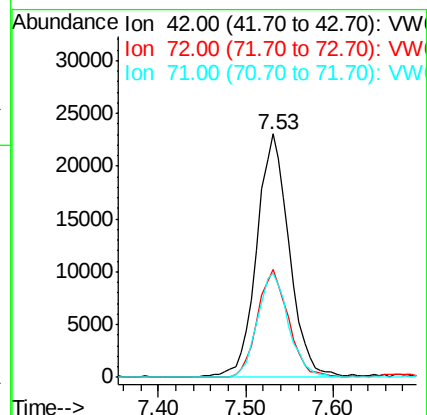
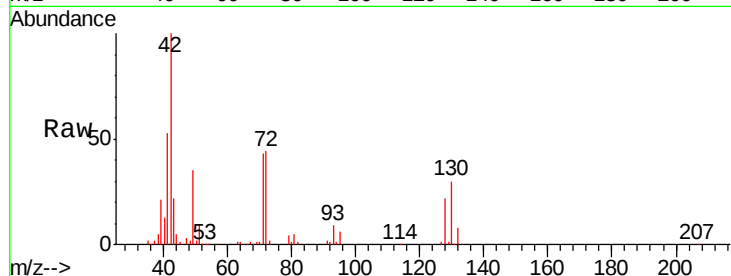




#29
Tetrahydrofuran
Concen: 101.716 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

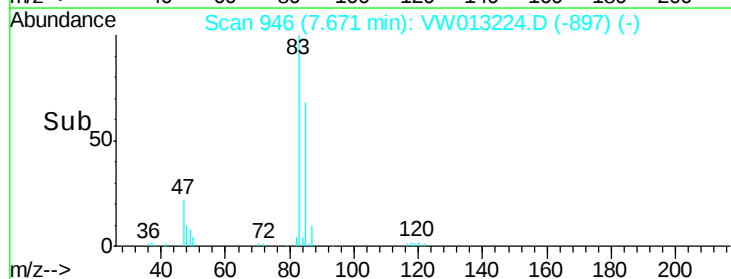
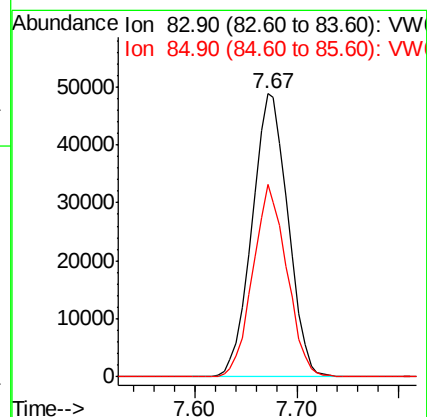
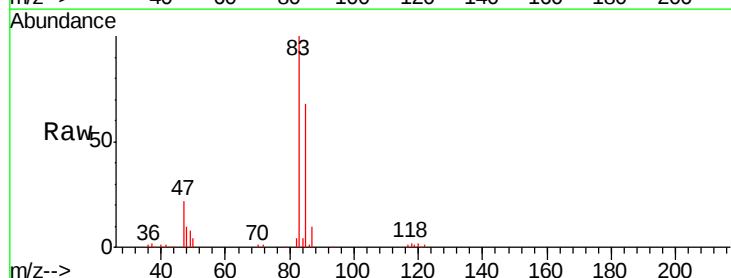
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

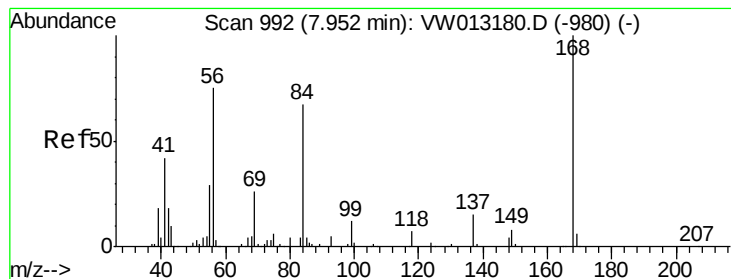
Tgt Ion: 42 Resp: 59764
Ion Ratio Lower Upper
42 100
72 42.4 33.9 50.9
71 41.0 31.9 47.9



#30
Chloroform
Concen: 20.745 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 83 Resp: 119529
Ion Ratio Lower Upper
83 100
85 67.9 52.3 78.5





#31

Cyclohexane

Concen: 20.922 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

VW0923SBSD01

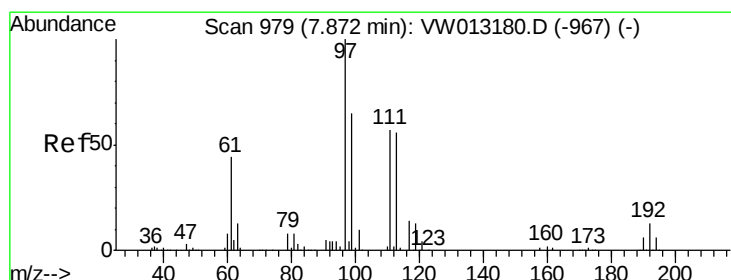
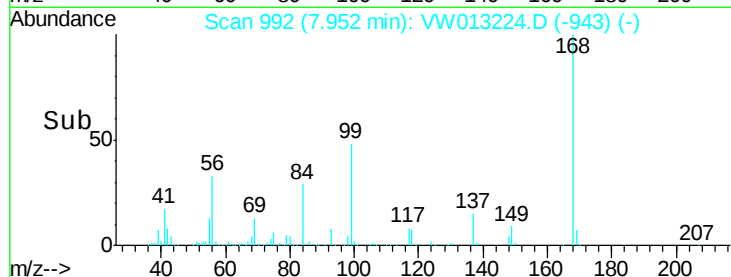
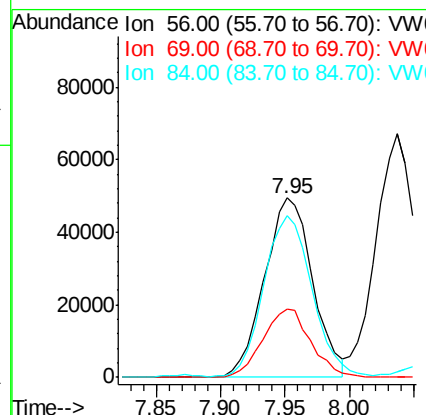
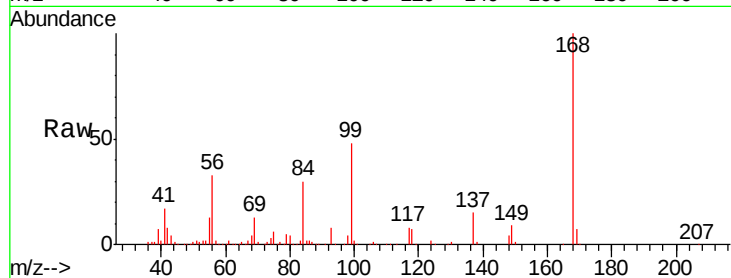
Tgt Ion: 56 Resp: 128348

Ion Ratio Lower Upper

56 100

69 38.4 27.2 40.8

84 88.8 70.8 106.2



#32

1,1,1-Trichloroethane

Concen: 20.763 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

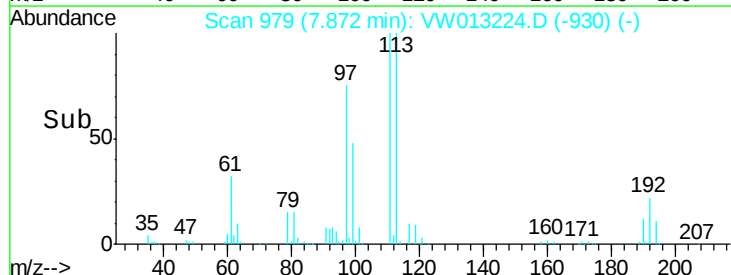
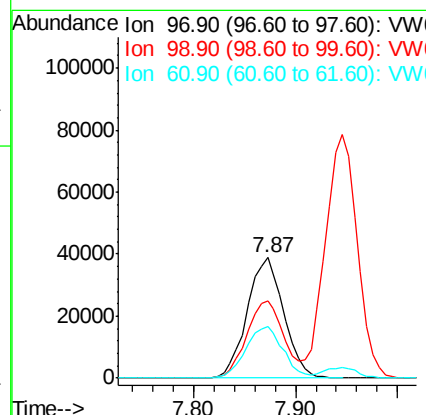
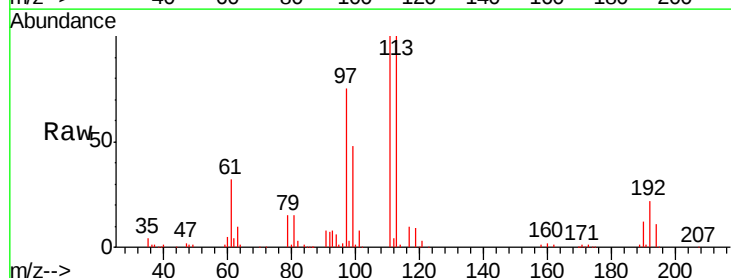
Tgt Ion: 97 Resp: 96892

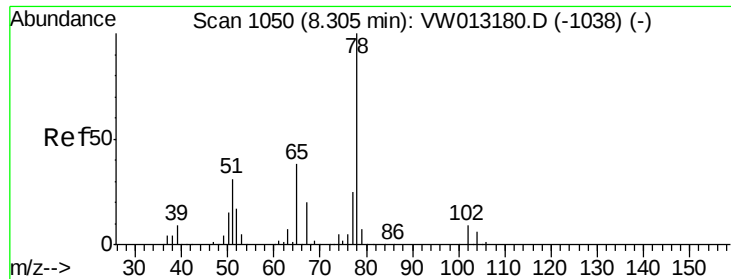
Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 43.7 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 53.549 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

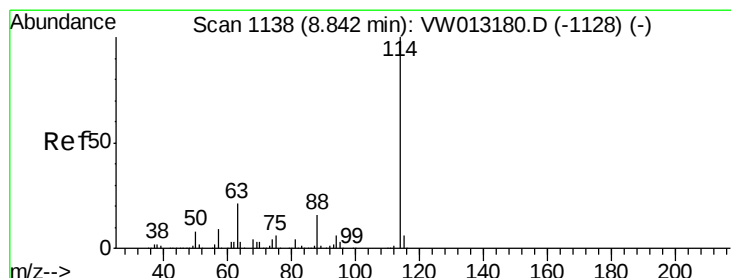
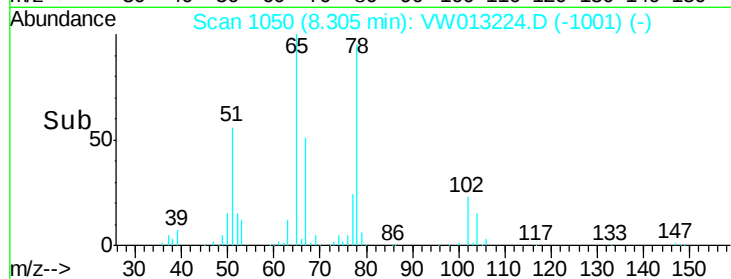
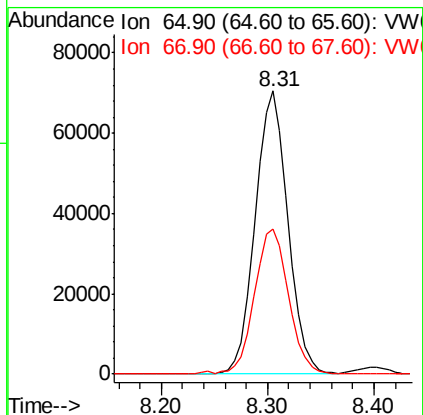
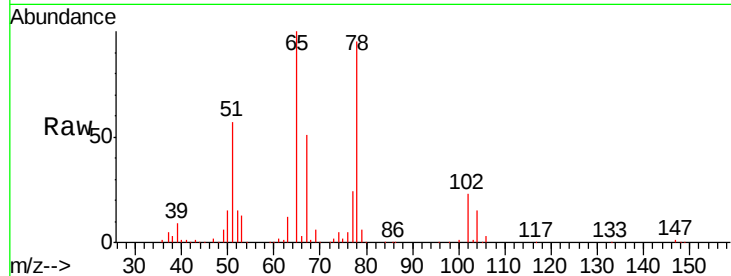
VW0923SBSD01

Tgt Ion: 65 Resp: 151550

Ion Ratio Lower Upper

65 100

67 53.4 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: VW013224.D

Acq: 23 Sep 2019 12:10

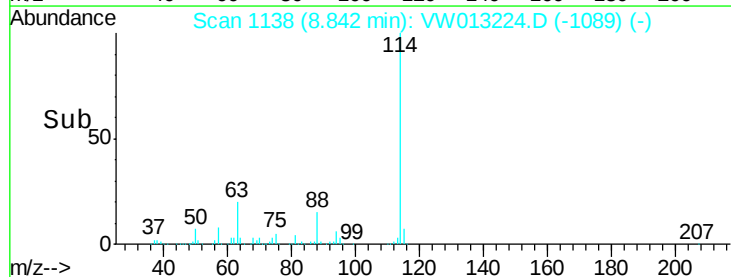
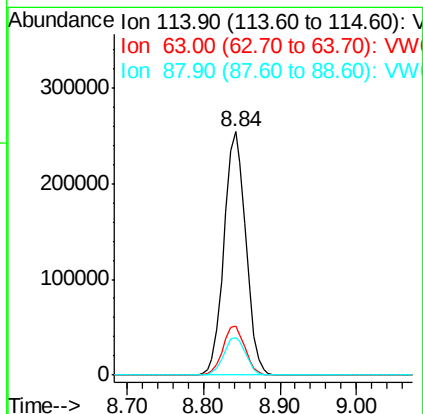
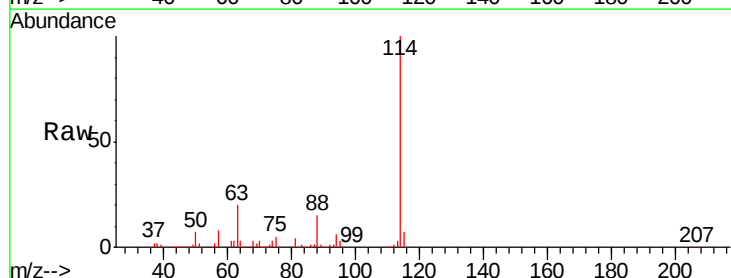
Tgt Ion: 114 Resp: 499086

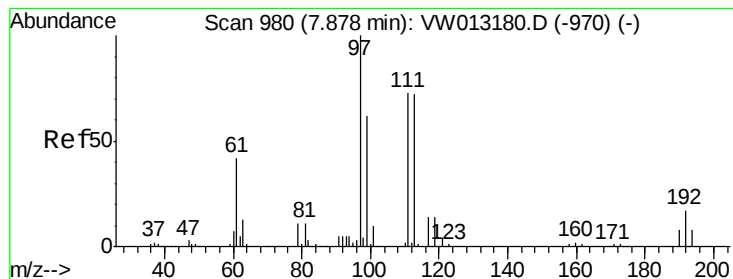
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.457 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

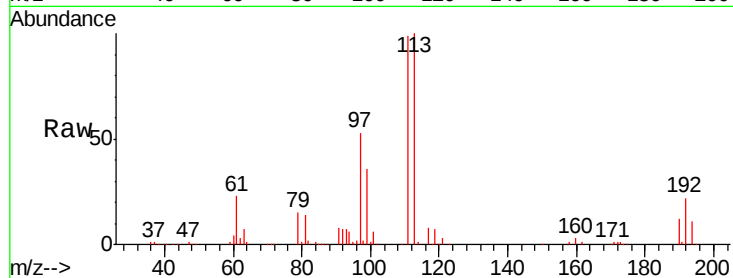
Tgt Ion:113 Resp: 149484

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

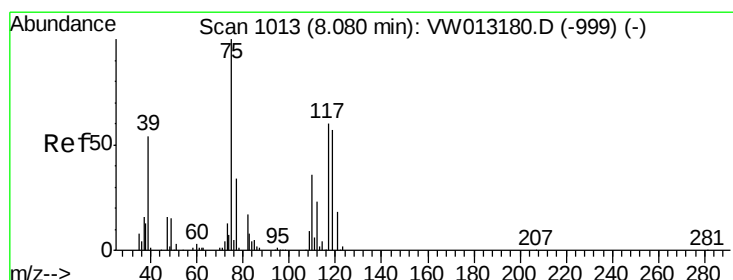
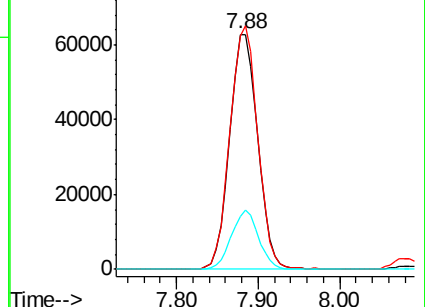
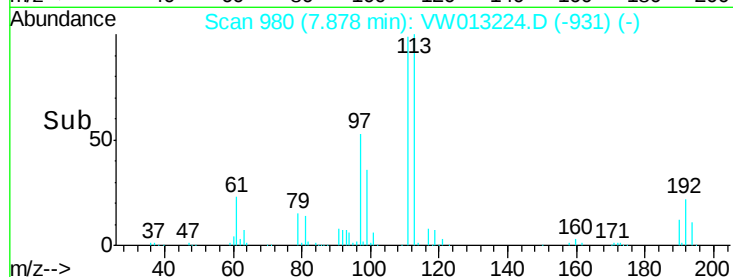
192 24.0 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.122 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

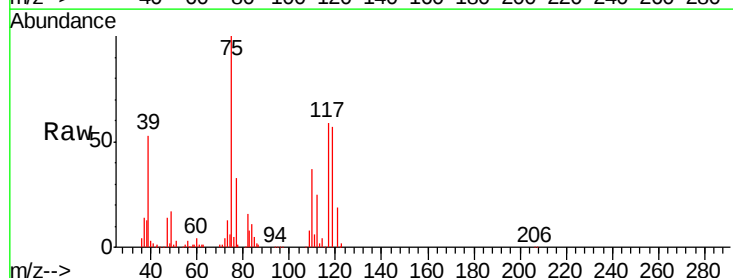
Tgt Ion: 75 Resp: 102105

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.3

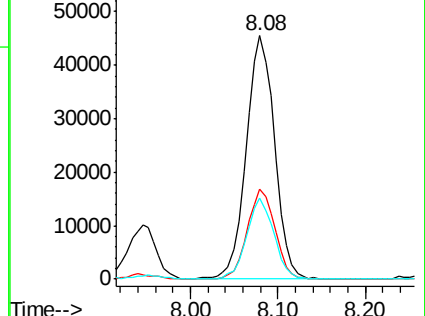
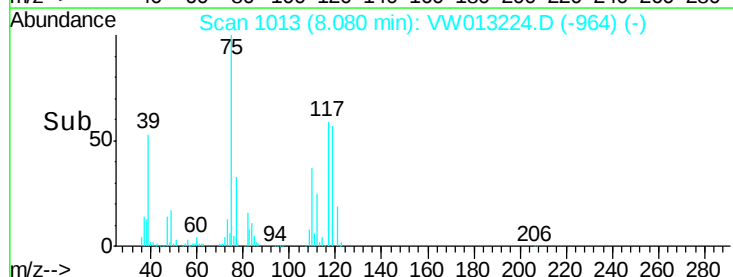
77 32.0 25.8 38.6

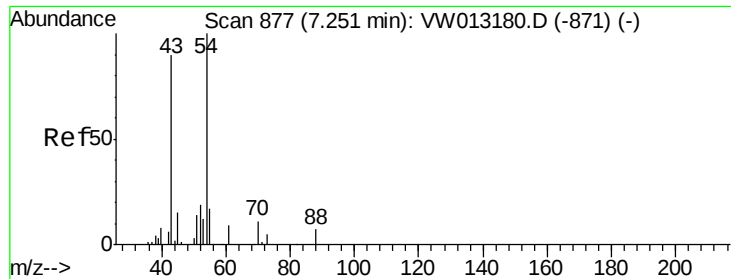


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

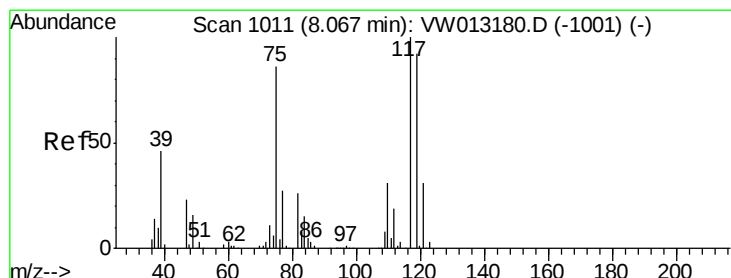
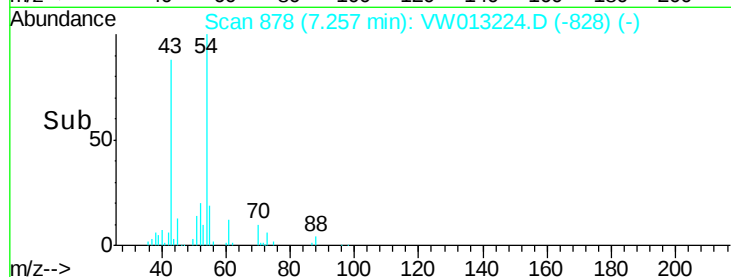
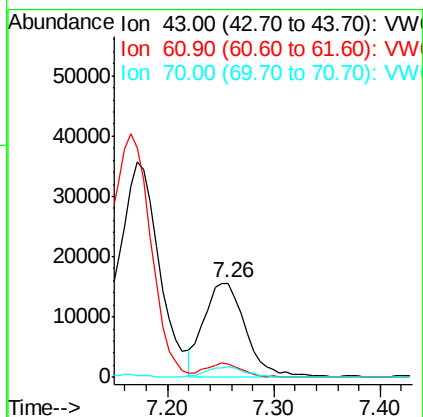
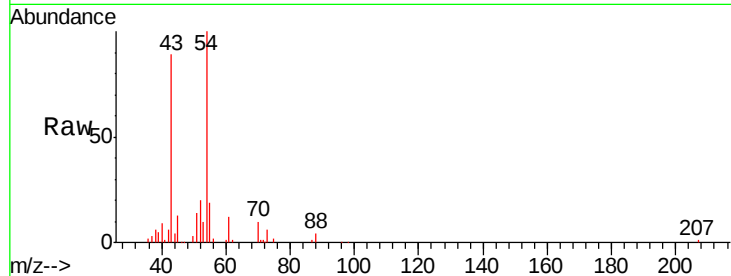




#37
Ethyl Acetate
Concen: 20.392 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

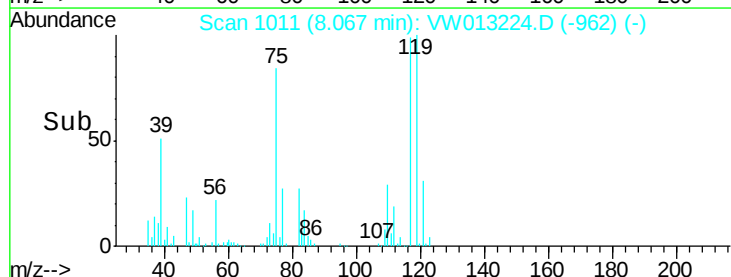
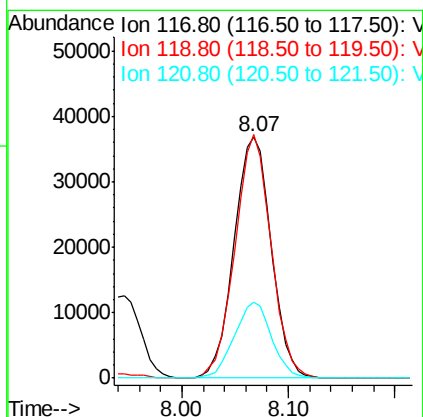
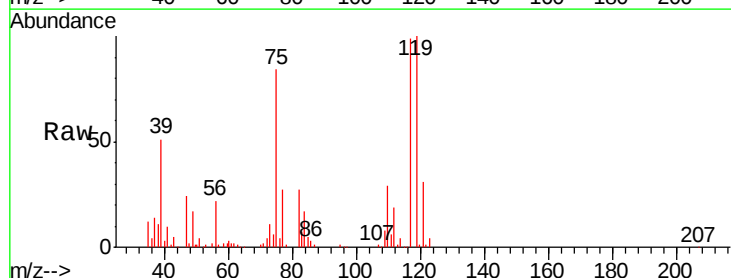
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

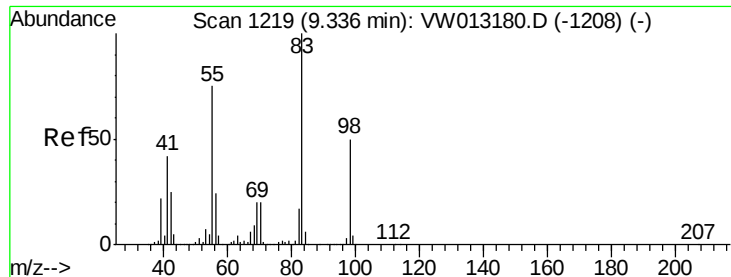
Tgt Ion: 43 Resp: 41895
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.889 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 117 Resp: 90518
Ion Ratio Lower Upper
117 100
119 100.7 73.5 110.3
121 31.4 25.0 37.6

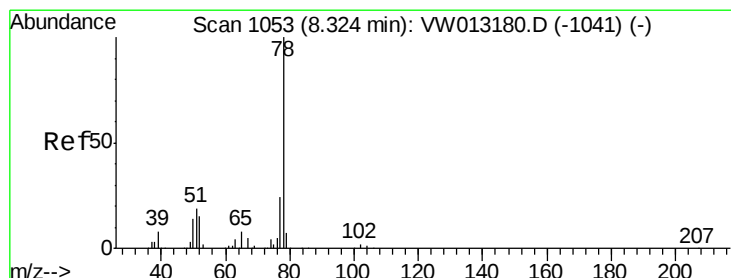
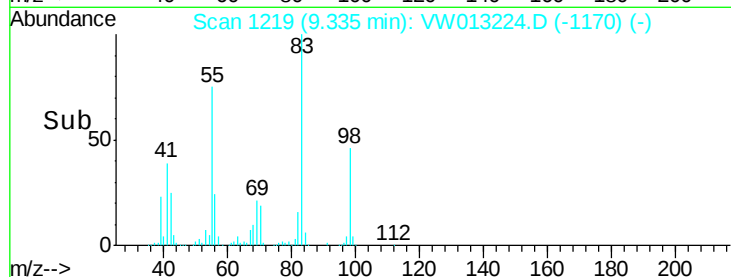
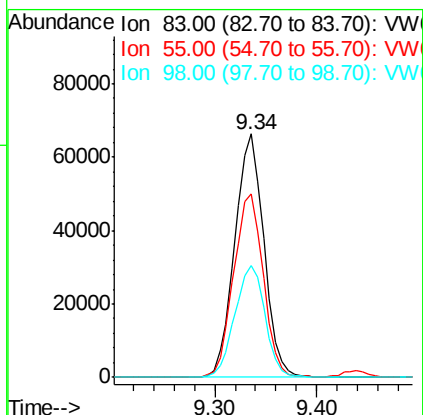
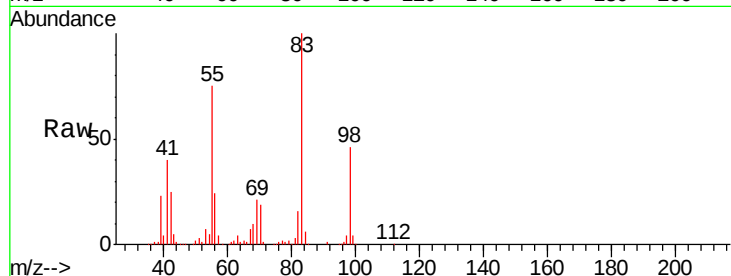




#39
Methylcyclohexane
Concen: 21.091 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

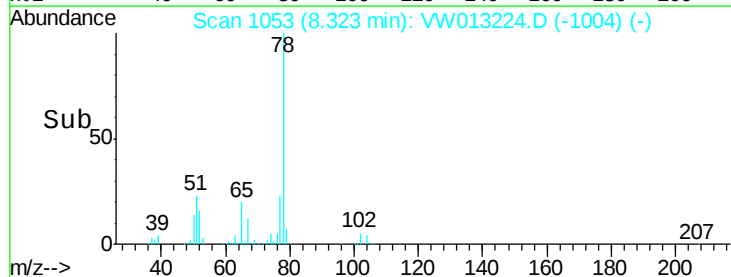
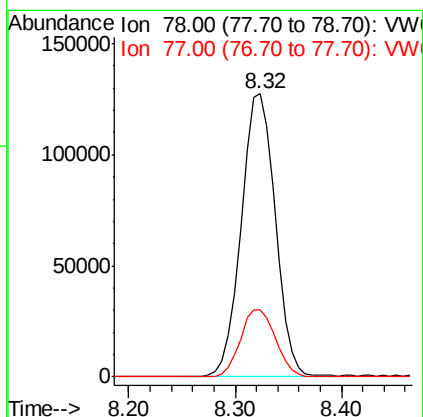
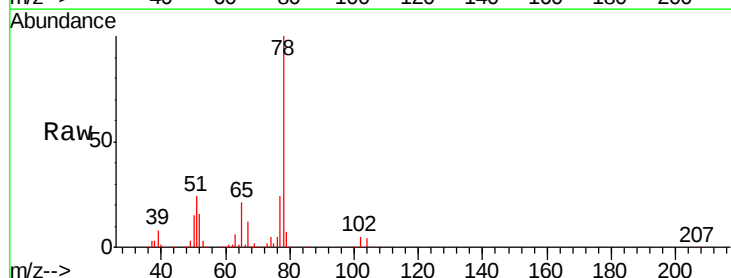
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

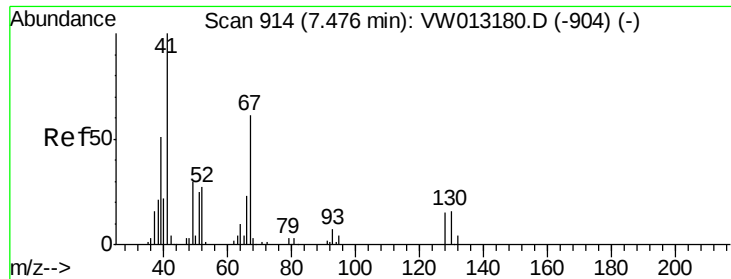
Tgt Ion: 83 Resp: 131020
Ion Ratio Lower Upper
83 100
55 75.2 60.4 90.6
98 45.8 40.0 60.0



#40
Benzene
Concen: 21.304 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 78 Resp: 287254
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





#41

Methacrylonitrile

Concen: 19.607 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

Tgt Ion: 41 Resp: 24041

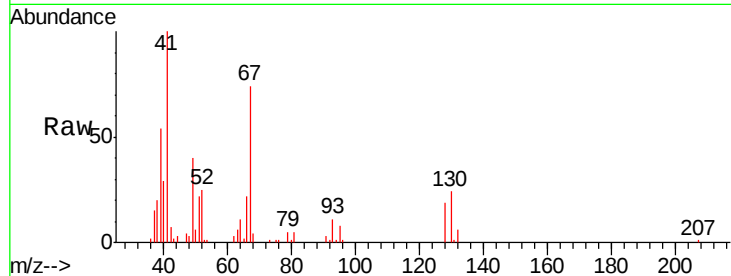
Ion Ratio Lower Upper

41 100

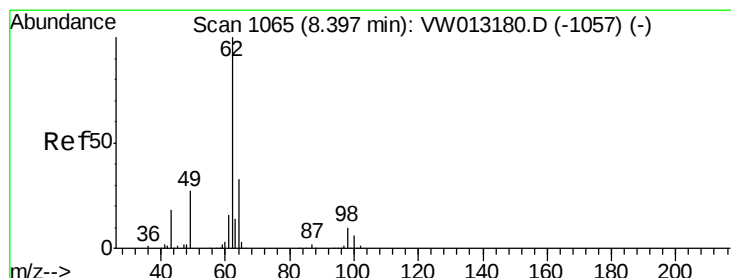
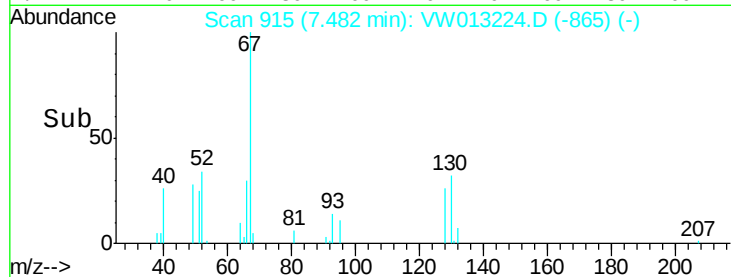
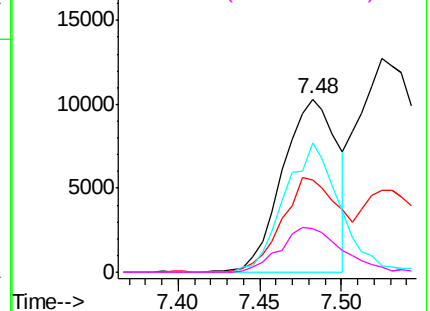
39 57.9 45.9 68.9

67 75.6 54.5 81.7

52 29.9 22.5 33.7



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



#42

1,2-Dichloroethane

Concen: 20.794 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013224.D

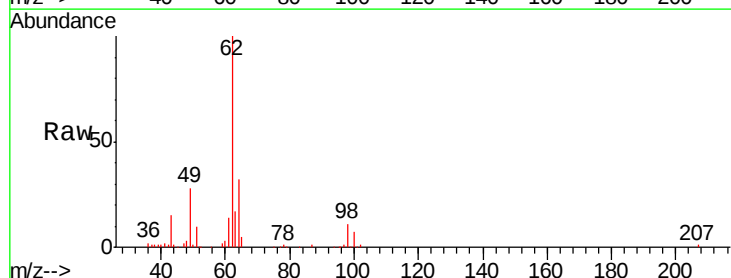
Acq: 23 Sep 2019 12:10

Tgt Ion: 62 Resp: 75370

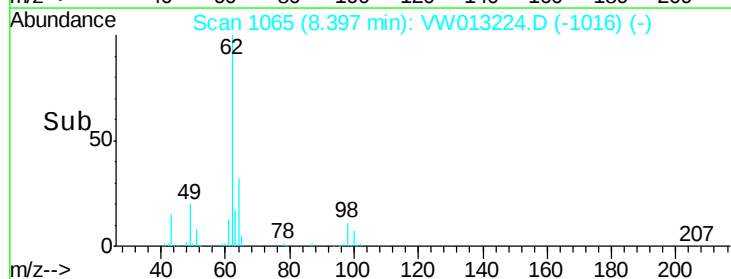
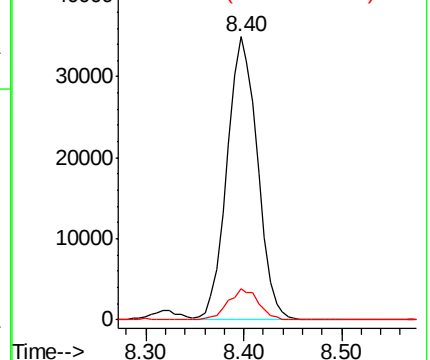
Ion Ratio Lower Upper

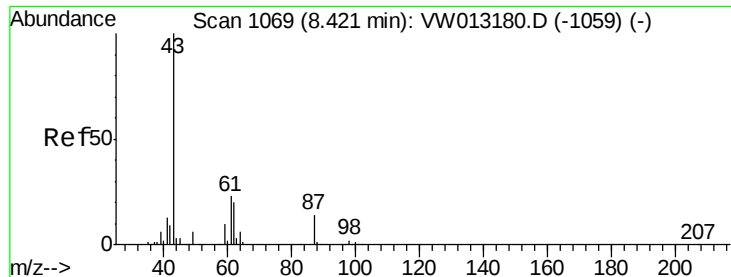
62 100

98 10.9 0.0 20.6



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

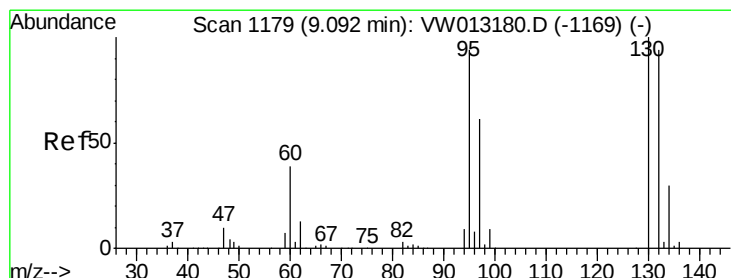
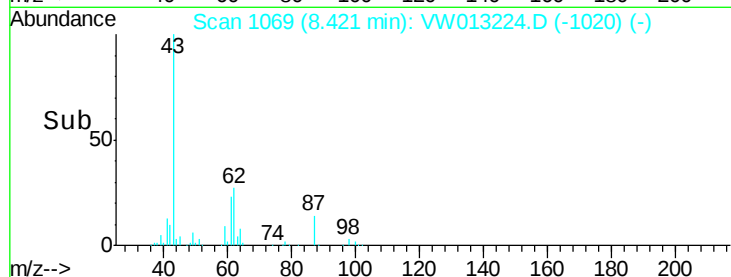
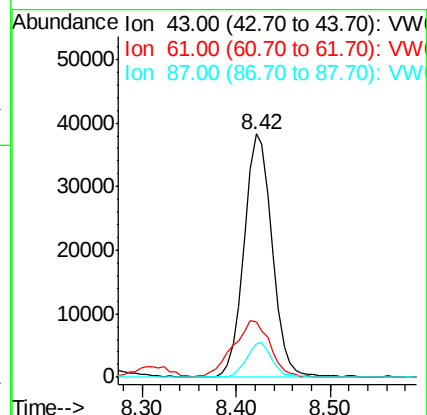
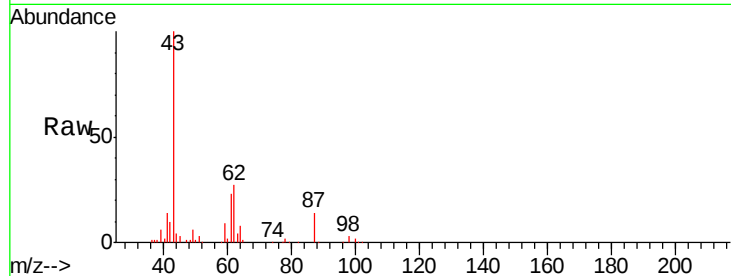




#43
Isopropyl Acetate
Concen: 20.301 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

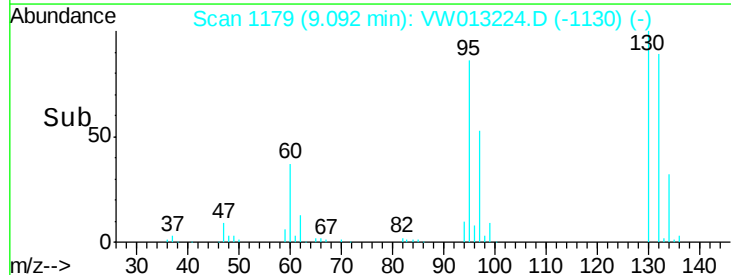
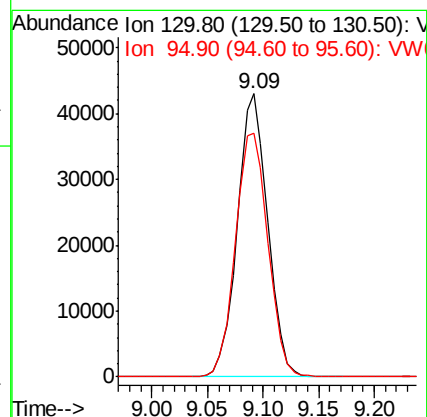
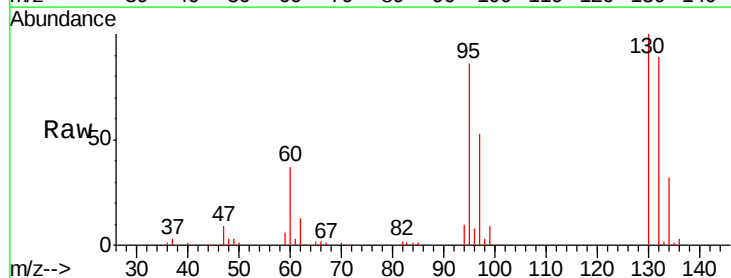
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

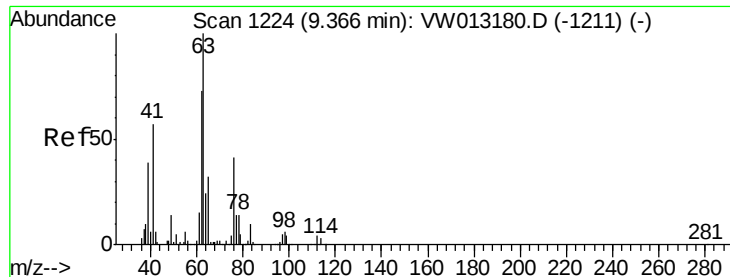
Tgt Ion: 43 Resp: 79936
Ion Ratio Lower Upper
43 100
61 29.6 25.5 38.3
87 13.1 11.0 16.4



#44
Trichloroethene
Concen: 21.420 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 130 Resp: 81033
Ion Ratio Lower Upper
130 100
95 86.1 0.0 188.0

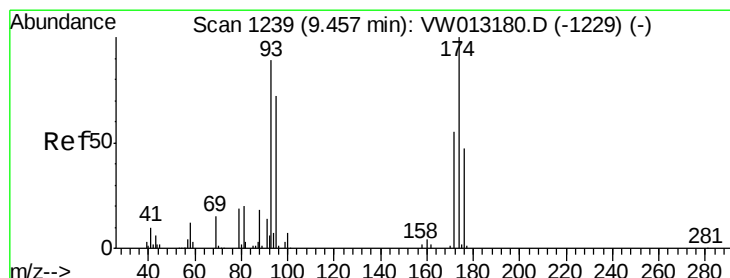
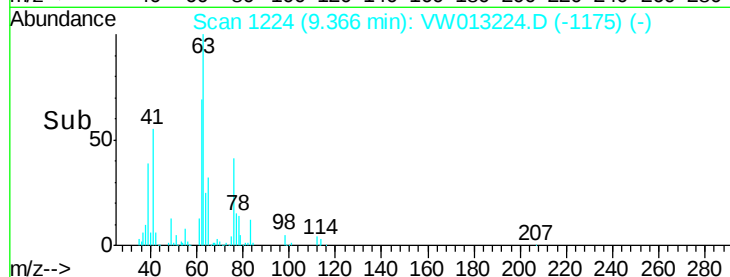
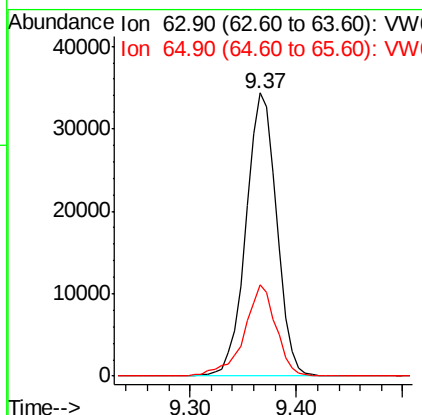
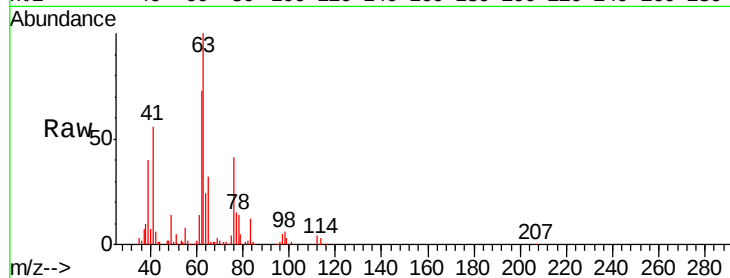




#45
 1,2-Dichloropropane
 Concen: 21.092 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

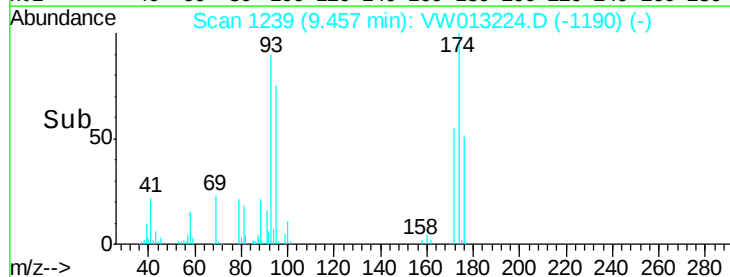
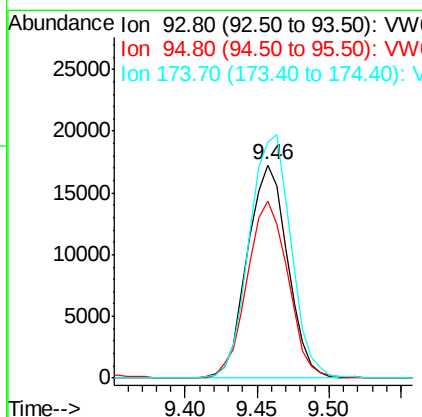
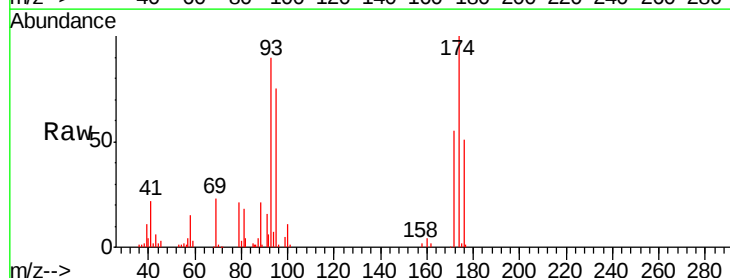
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

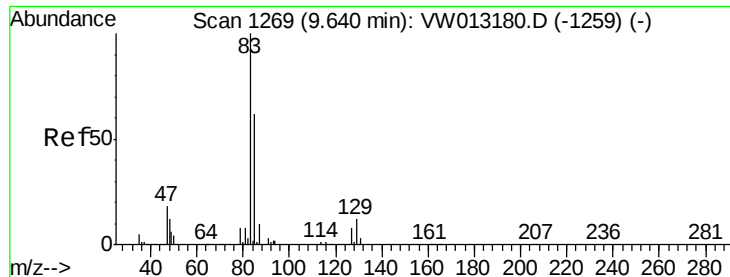
Tgt Ion: 63 Resp: 69433
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.3 37.9



#46
 Dibromomethane
 Concen: 20.925 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 93 Resp: 33442
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.4 99.6
 174 117.8 93.0 139.6

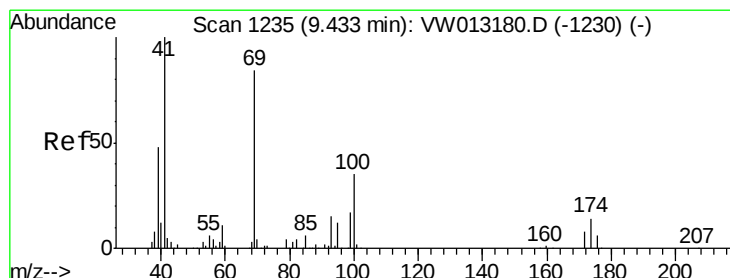
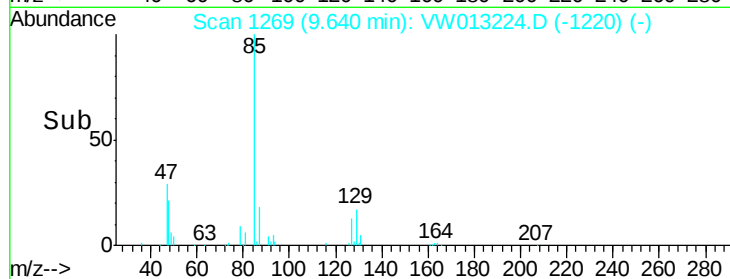
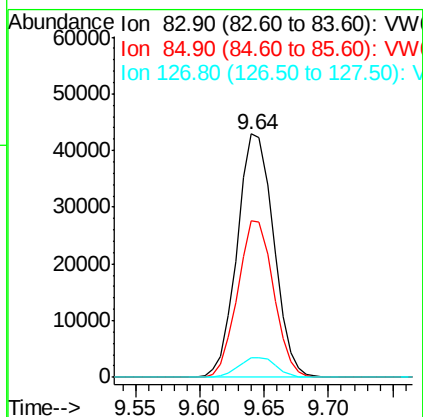
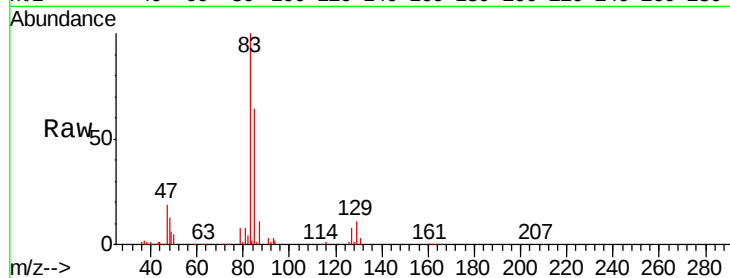




#47
 Bromodichloromethane
 Concen: 20.690 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

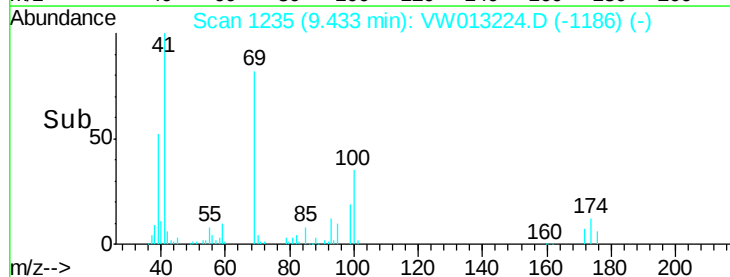
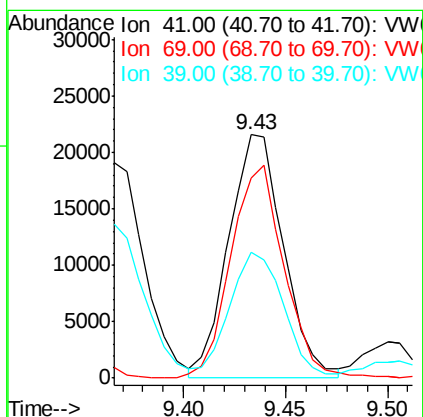
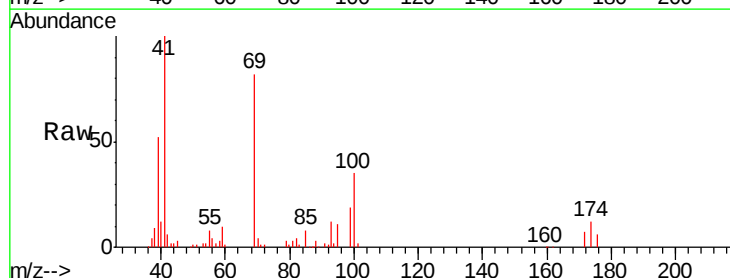
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

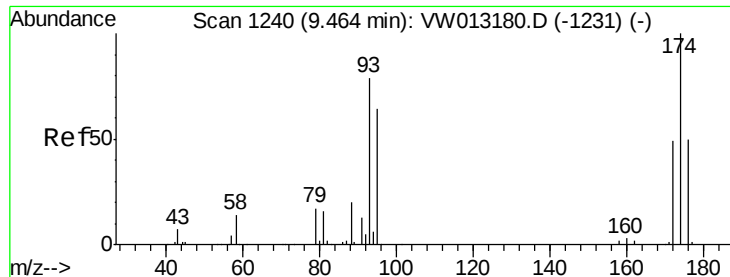
Tgt Ion: 83 Resp: 84141
 Ion Ratio Lower Upper
 83 100
 85 64.4 49.4 74.2
 127 8.1 6.5 9.7



#48
 Methyl methacrylate
 Concen: 21.771 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 41 Resp: 40310
 Ion Ratio Lower Upper
 41 100
 69 85.4 69.7 104.5
 39 47.4 41.1 61.7





#49

1,4-Dioxane

Concen: 399.708 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

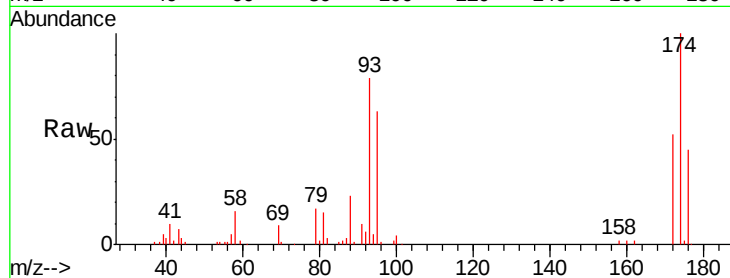
Tgt Ion: 88 Resp: 9589

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

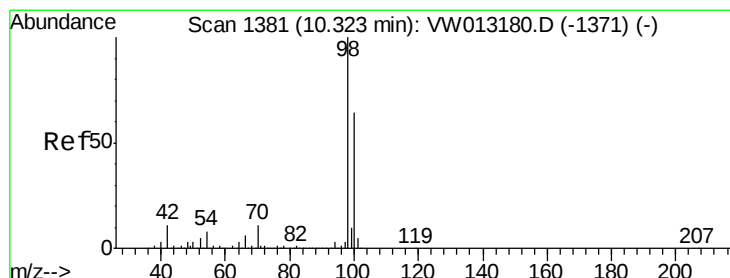
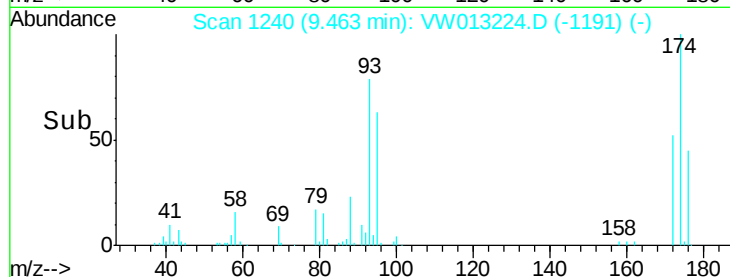
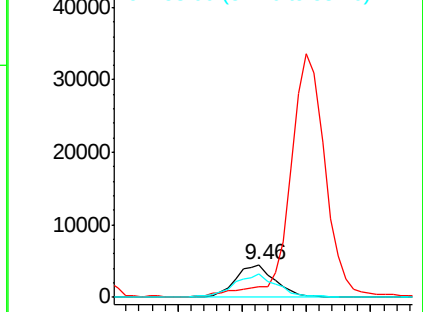
58 78.6 65.4 98.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 55.264 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013224.D

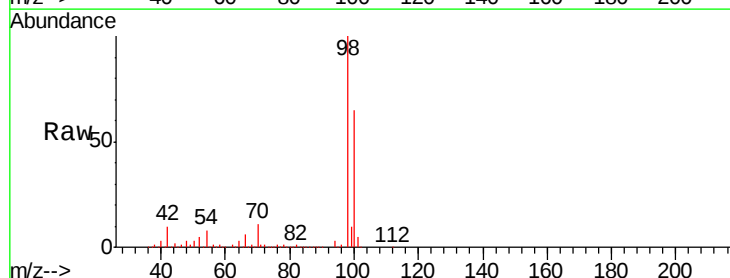
Acq: 23 Sep 2019 12:10

Tgt Ion: 98 Resp: 634878

Ion Ratio Lower Upper

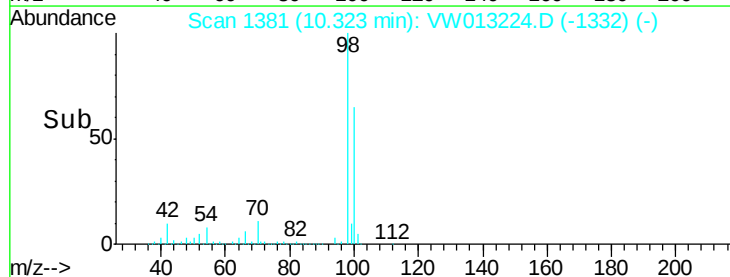
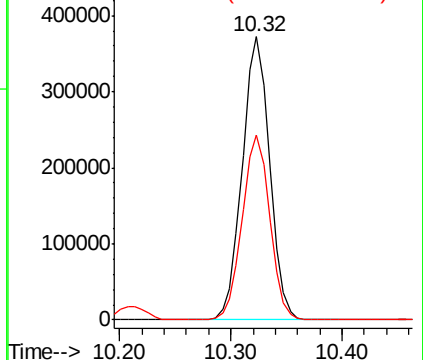
98 100

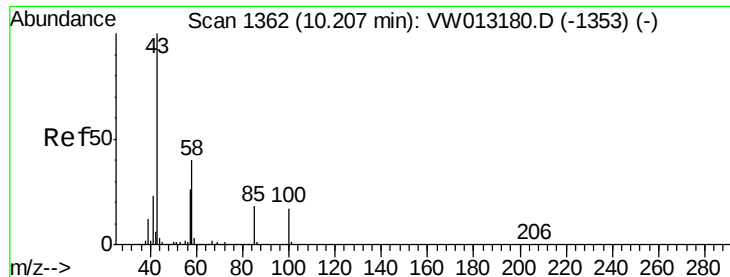
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

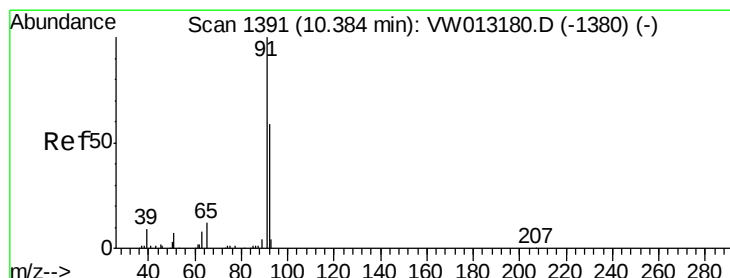
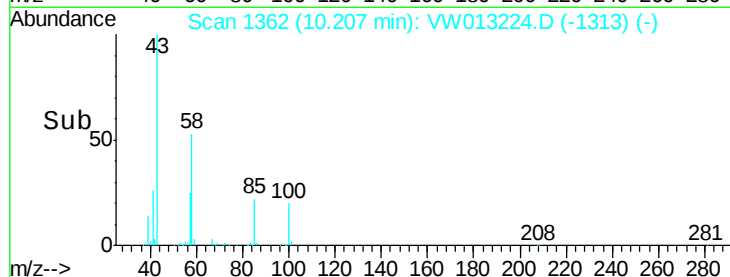
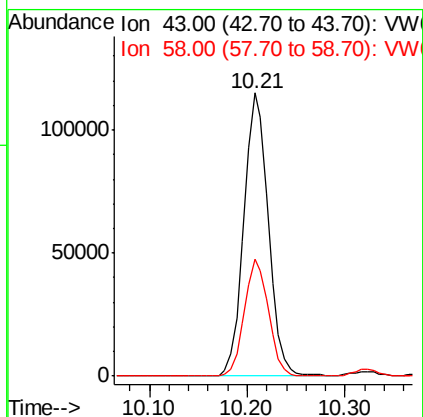
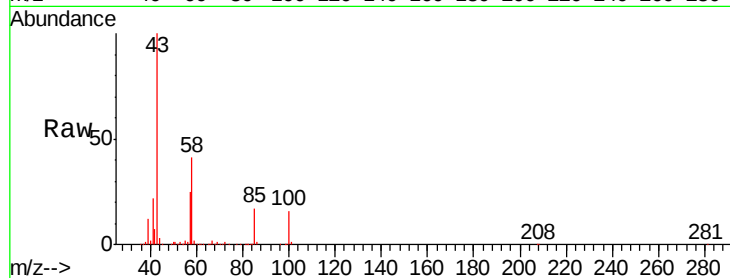




#51
 4-Methyl-2-Pentanone
 Concen: 101.239 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

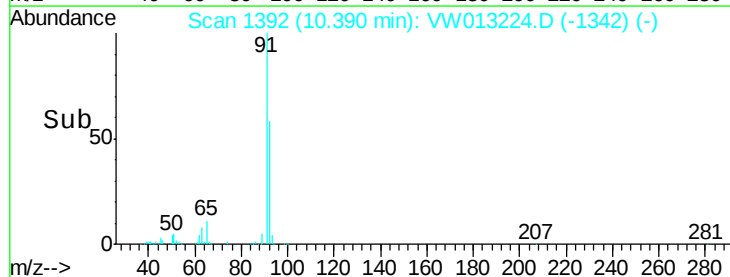
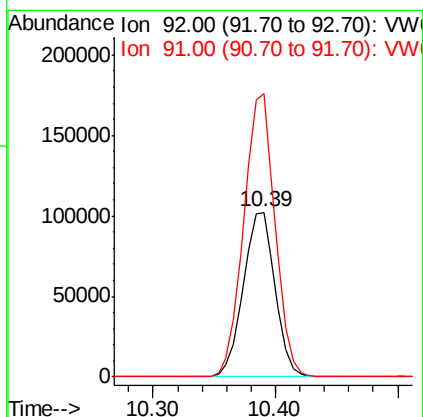
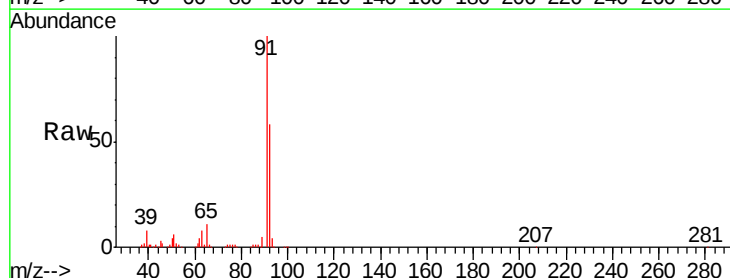
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

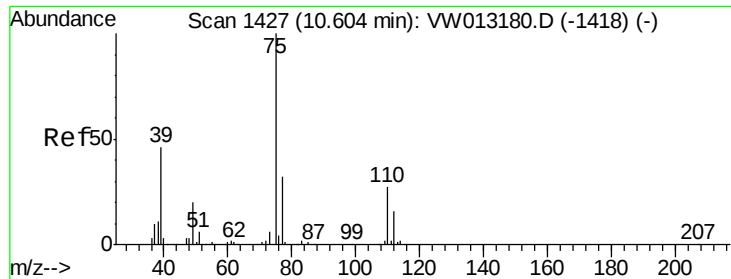
Tgt Ion: 43 Resp: 199843
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.7 47.5



#52
 Toluene
 Concen: 21.283 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 92 Resp: 183920
 Ion Ratio Lower Upper
 92 100
 91 170.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.986 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

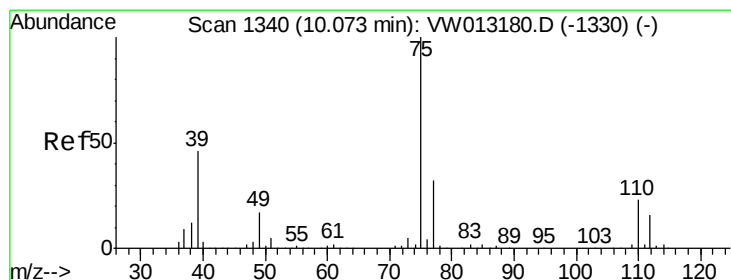
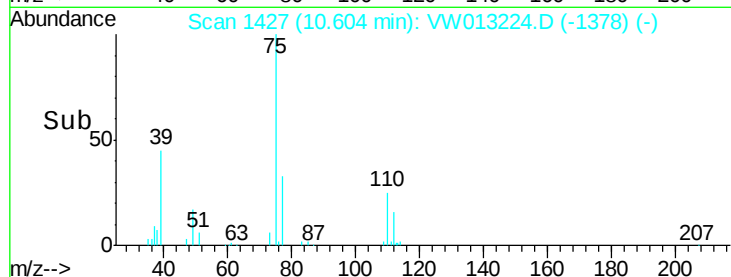
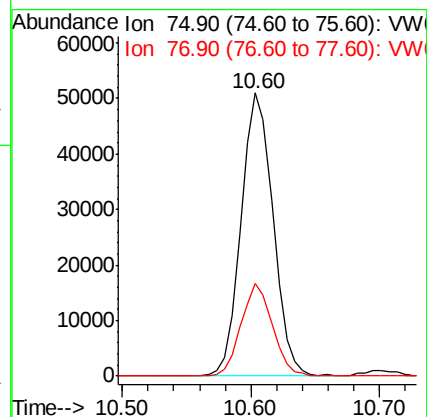
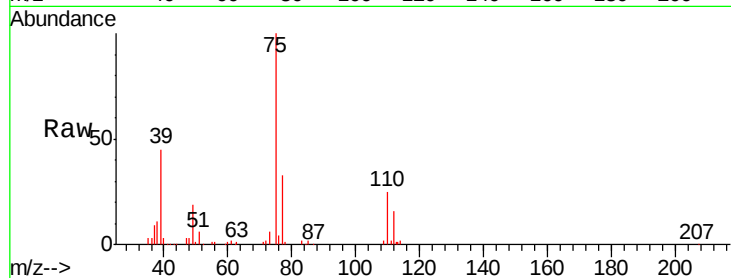
VW0923SBSD01

Tgt Ion: 75 Resp: 87680

Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.061 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

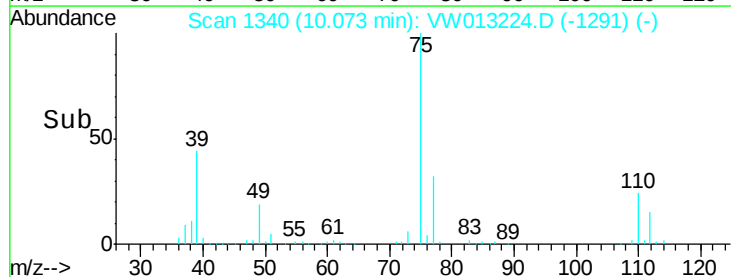
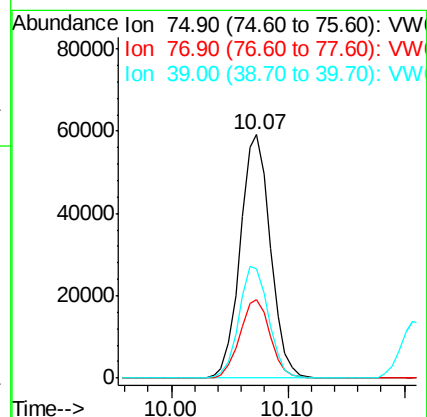
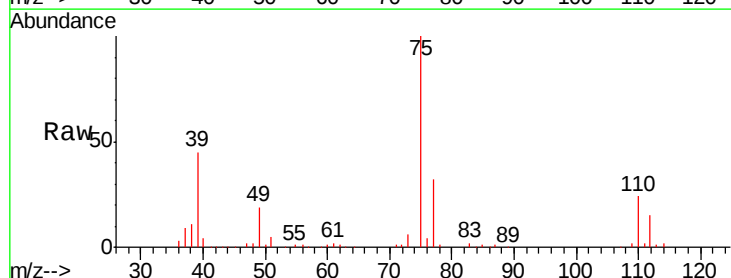
Tgt Ion: 75 Resp: 106993

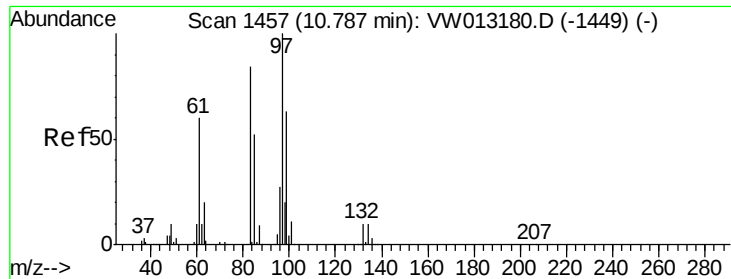
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

39 44.6 36.6 55.0

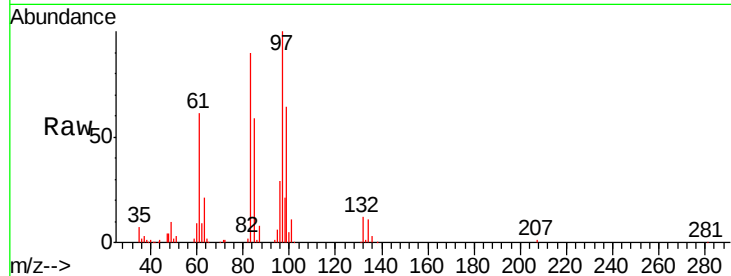




#55
 1,1,2-Trichloroethane
 Concen: 20.900 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tgt Ion:	97	Resp:	49925
Ion	Ratio	Lower	Upper
97	100		
83	90.4	67.6	101.4
85	59.4	41.9	62.9
99	63.9	50.1	75.1

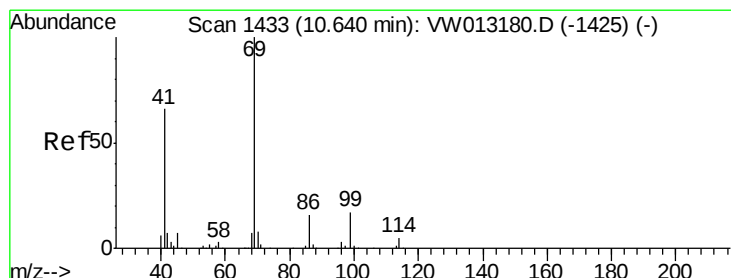
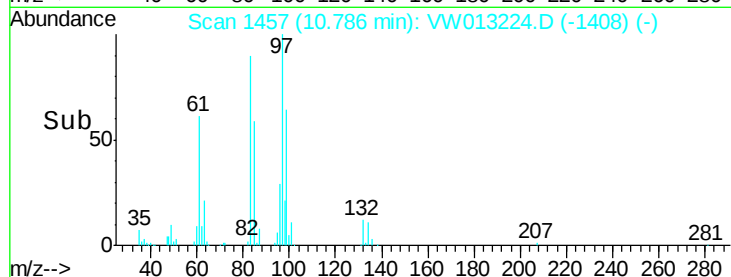
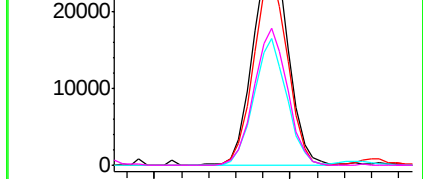


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

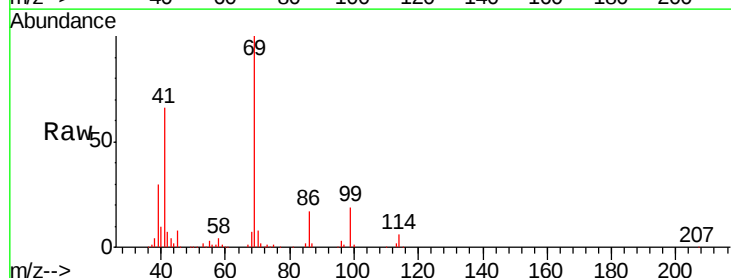
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.035 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

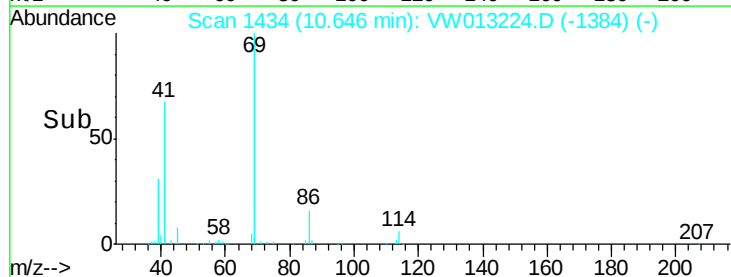
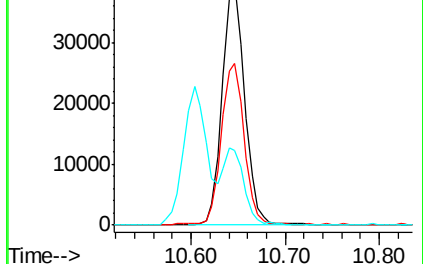
Tgt Ion:	69	Resp:	65762
Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.9	80.9
39	29.5	23.8	35.6

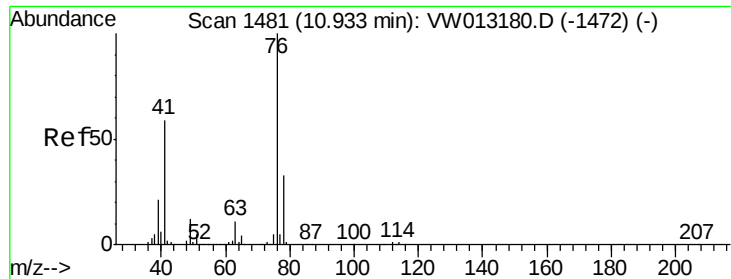


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

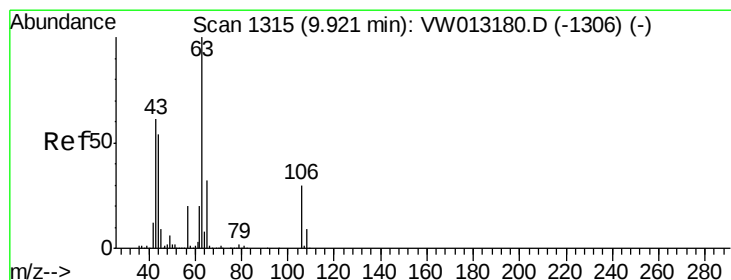
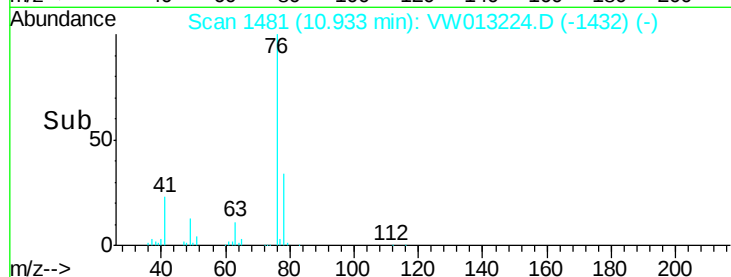
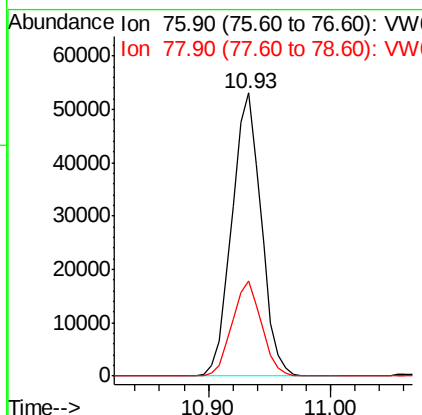
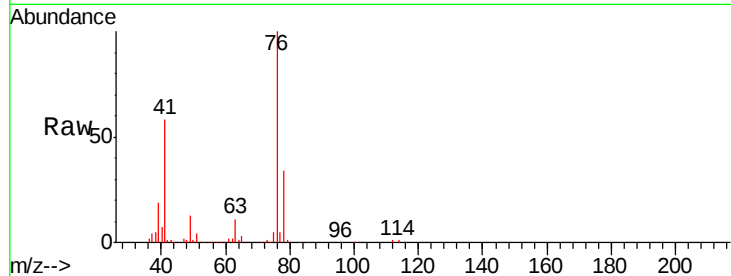




#57
 1,3-Dichloropropane
 Concen: 21.023 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

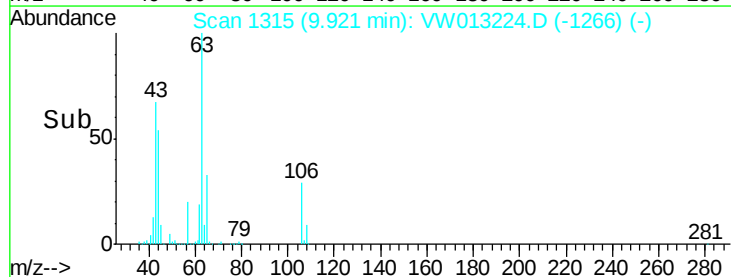
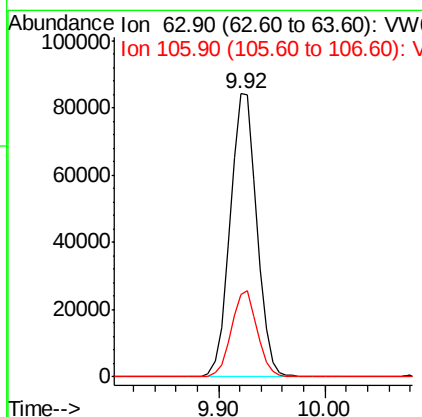
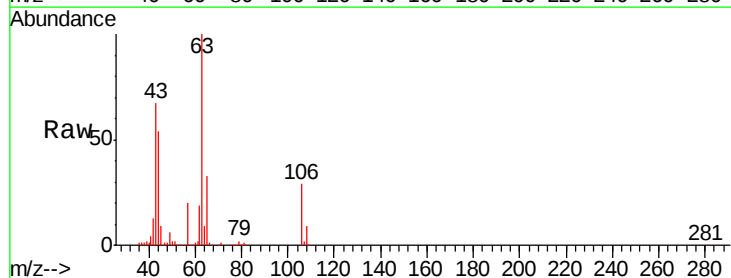
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

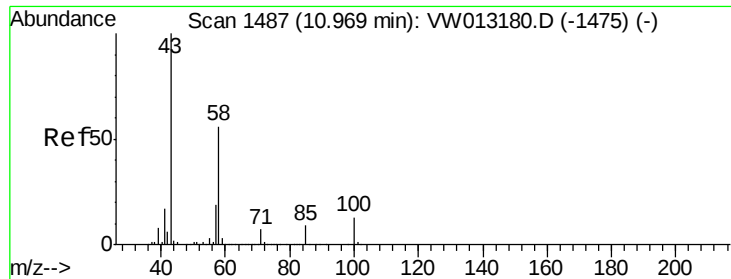
Tgt Ion: 76 Resp: 87637
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.514 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 63 Resp: 148368
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0

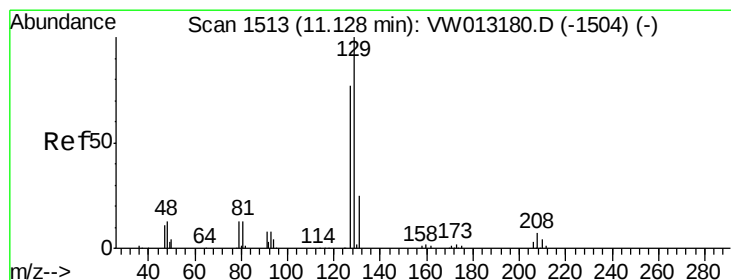
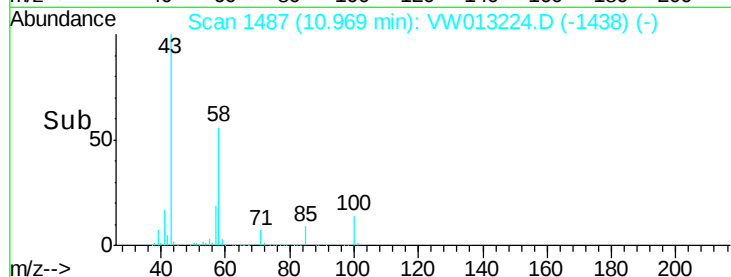
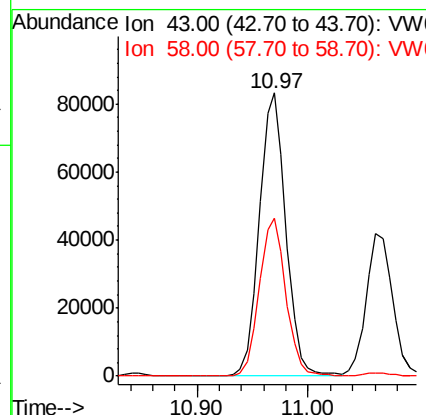
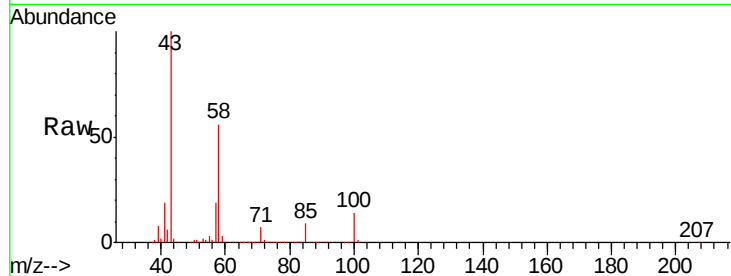




#59
2-Hexanone
Concen: 101.741 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

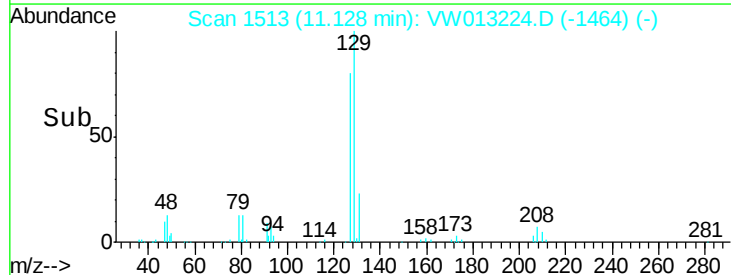
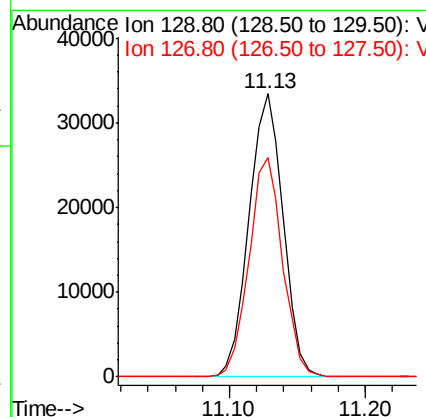
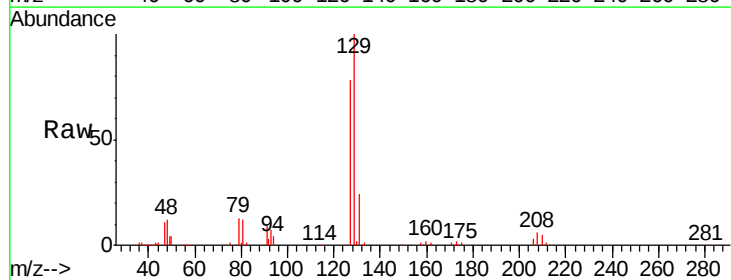
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

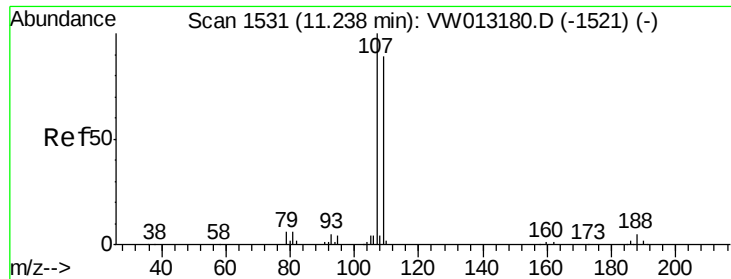
Tgt Ion: 43 Resp: 138173
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2



#60
Dibromochloromethane
Concen: 21.693 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 129 Resp: 58840
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.4

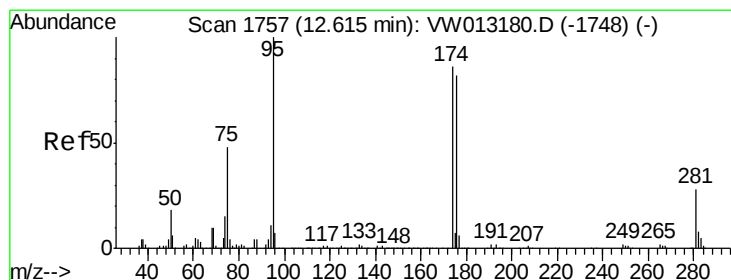
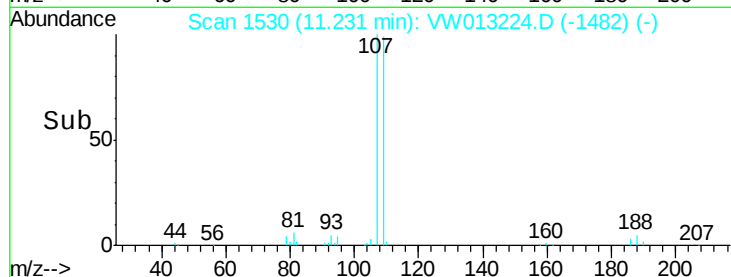
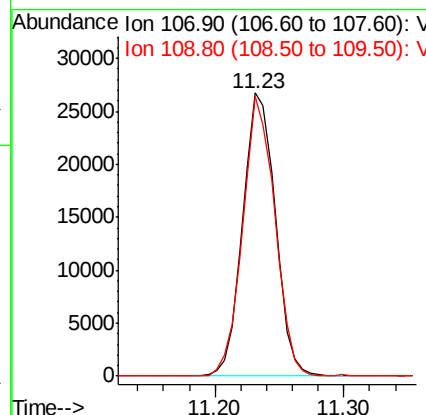
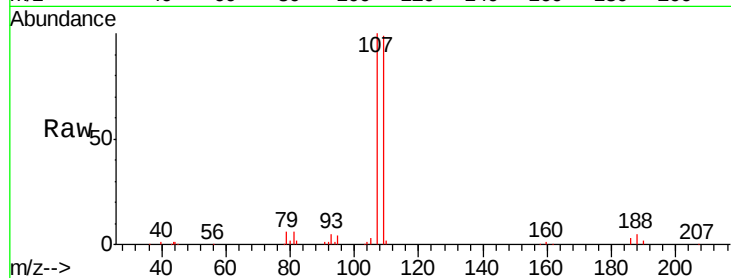




#61
 1,2-Dibromoethane
 Concen: 20.583 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

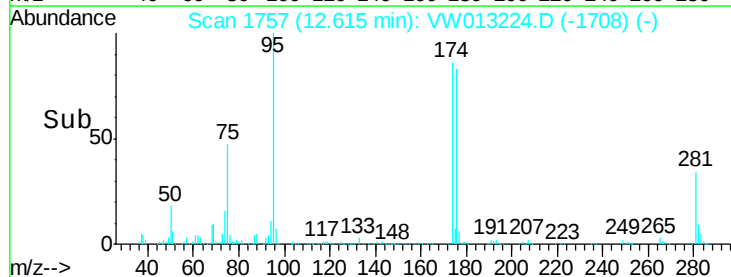
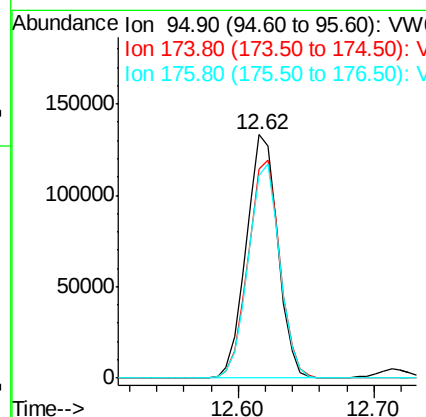
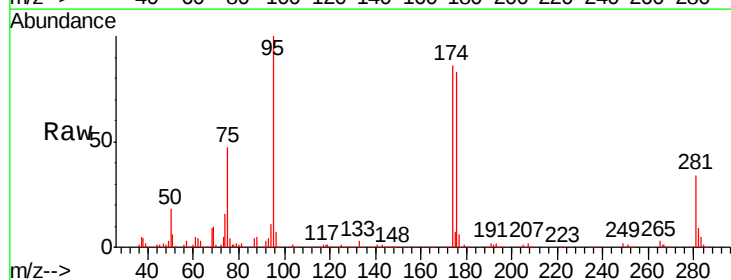
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

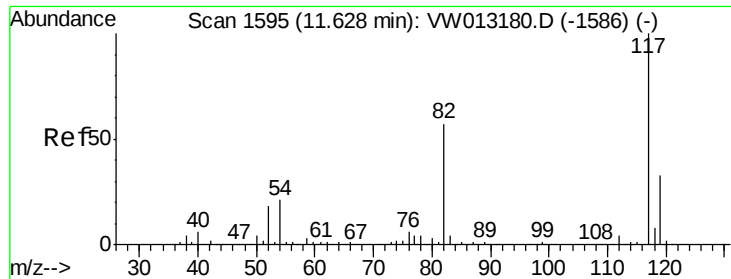
Tgt Ion: 107 Resp: 46749
 Ion Ratio Lower Upper
 107 100
 109 97.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 55.093 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 95 Resp: 216196
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 178.4
 176 87.8 0.0 172.2

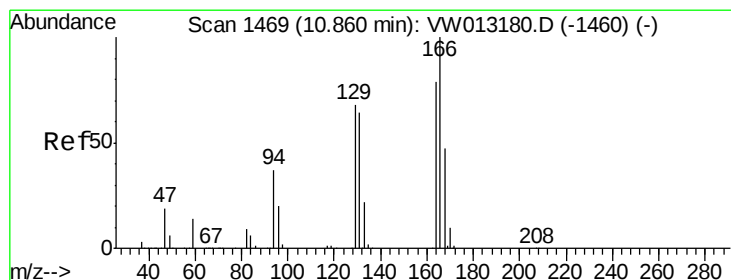
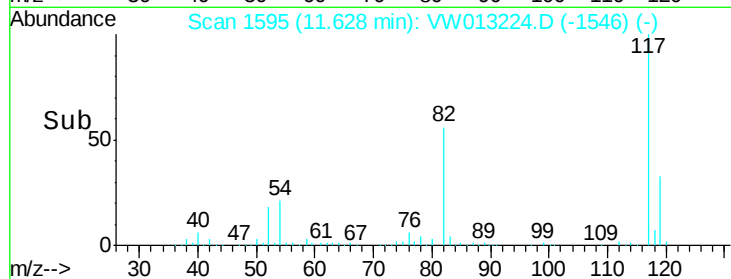
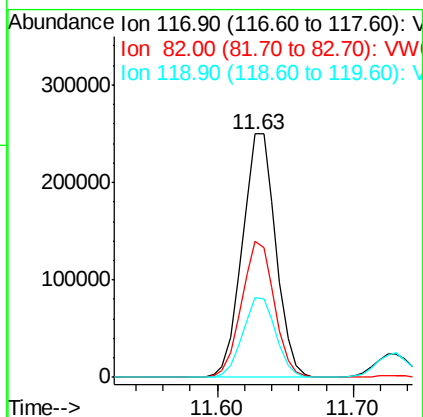
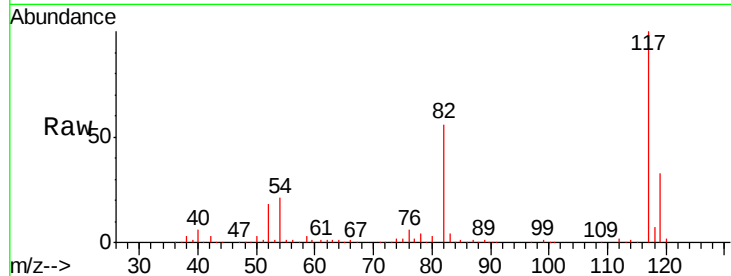




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

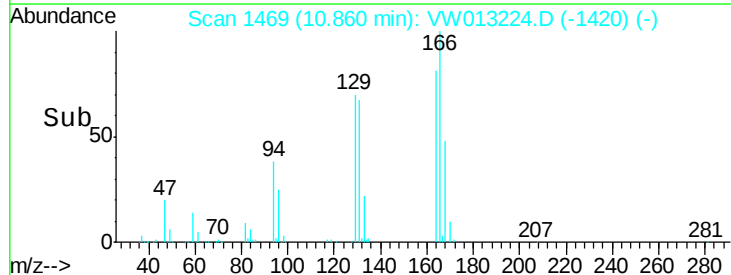
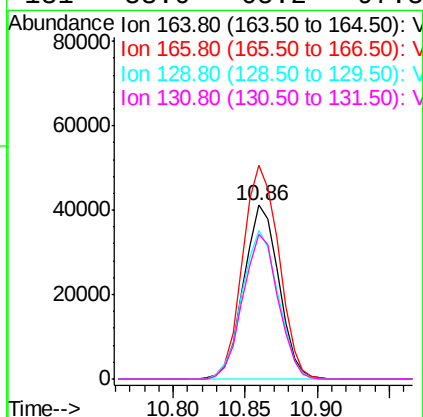
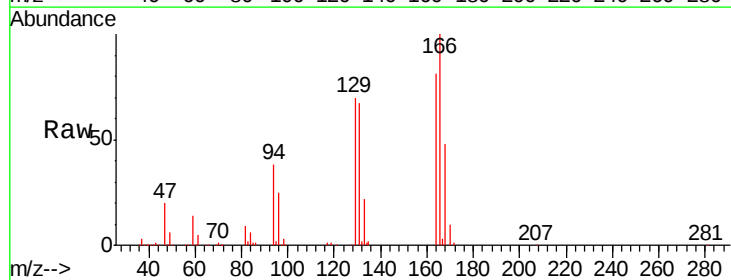
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

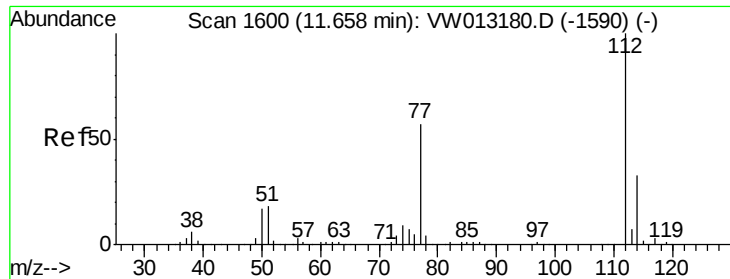
Tgt Ion:117 Resp: 430554
Ion Ratio Lower Upper
117 100
82 56.1 45.9 68.9
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:164 Resp: 69468
Ion Ratio Lower Upper
164 100
166 123.1 101.2 151.8
129 85.6 68.8 103.2
131 83.0 65.2 97.8

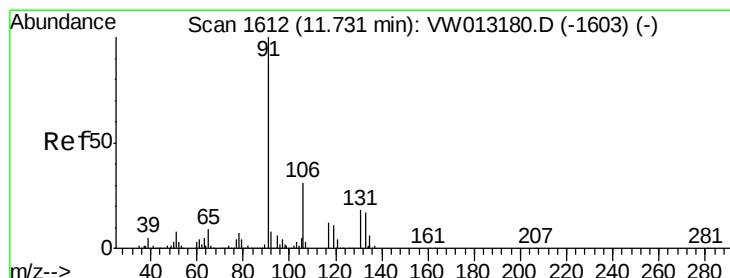
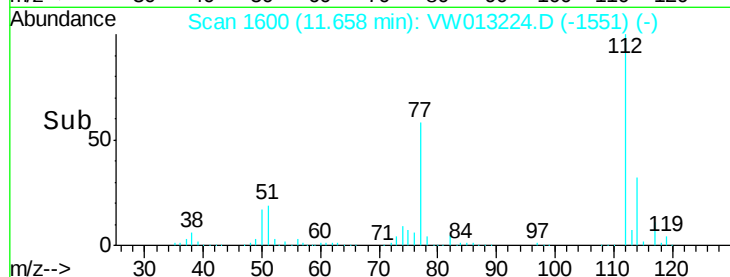
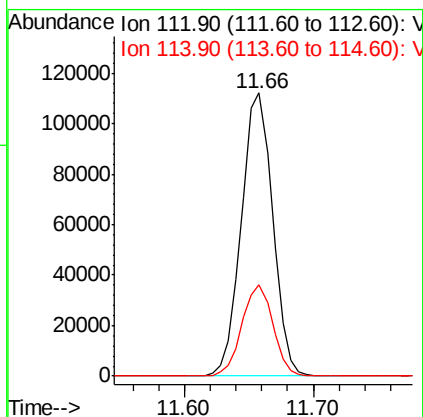
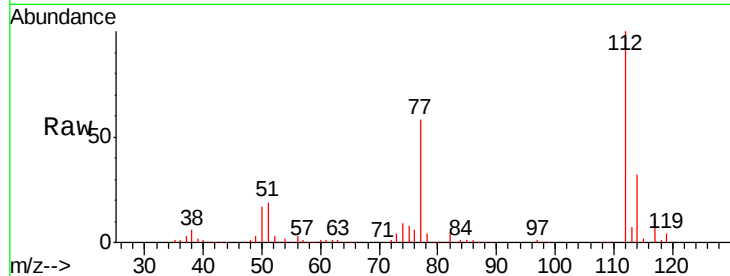




#65
Chlorobenzene
Concen: 20.952 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

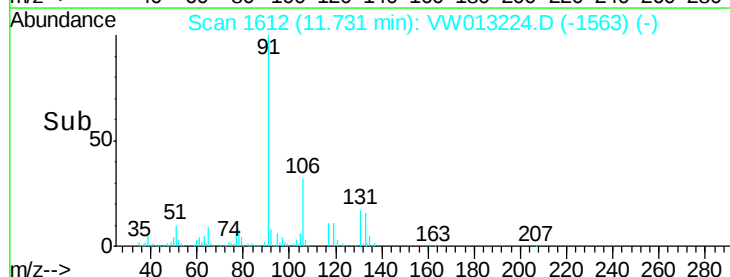
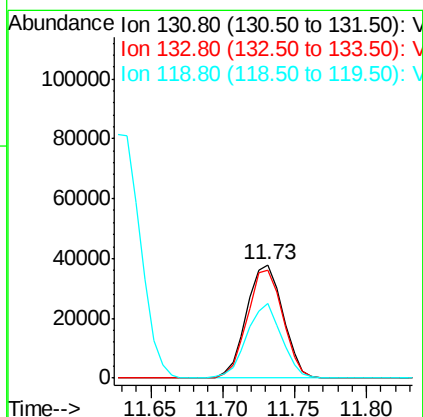
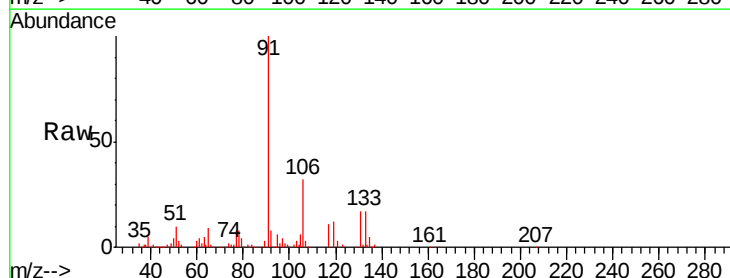
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

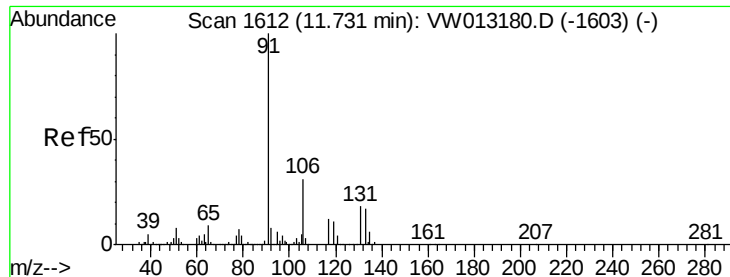
Tgt Ion:112 Resp: 188374
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.615 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:131 Resp: 66393
Ion Ratio Lower Upper
131 100
133 92.9 47.5 142.6
119 62.5 32.5 97.5

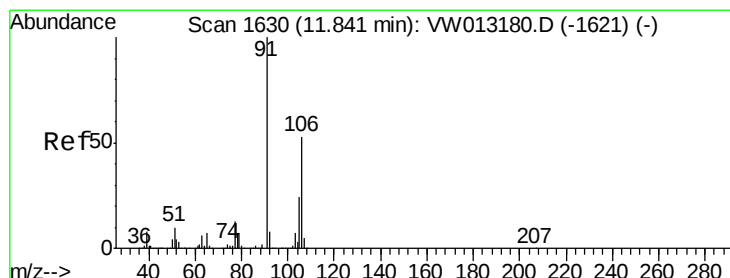
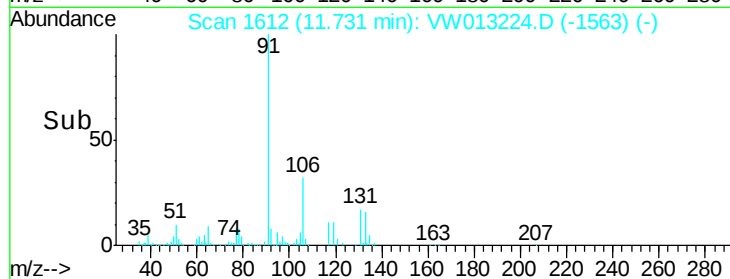
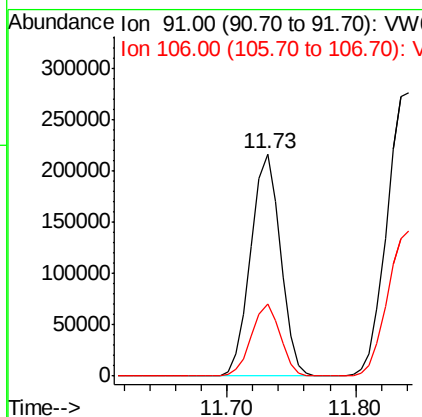
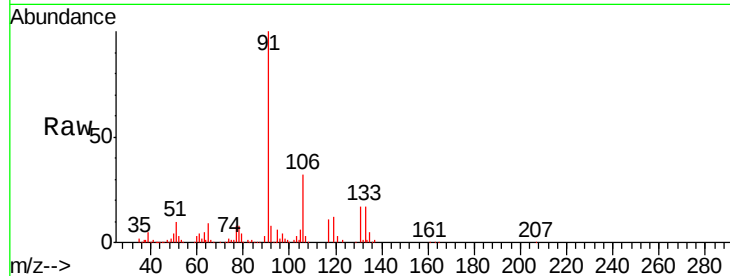




#67
Ethyl Benzene
Concen: 21.187 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

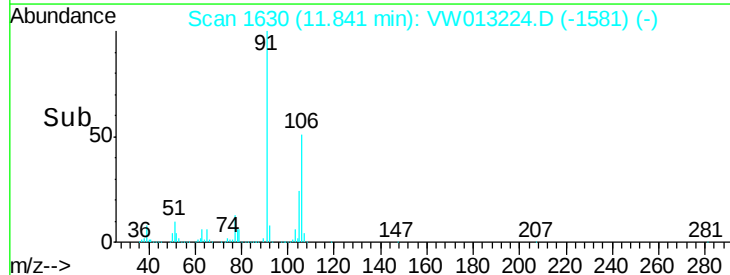
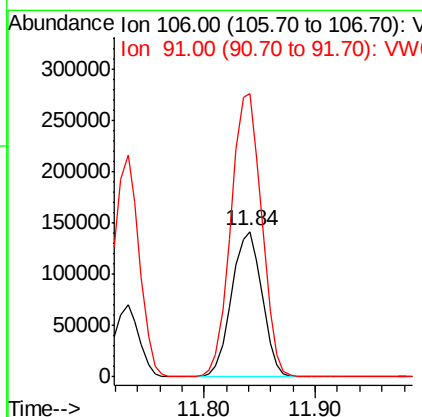
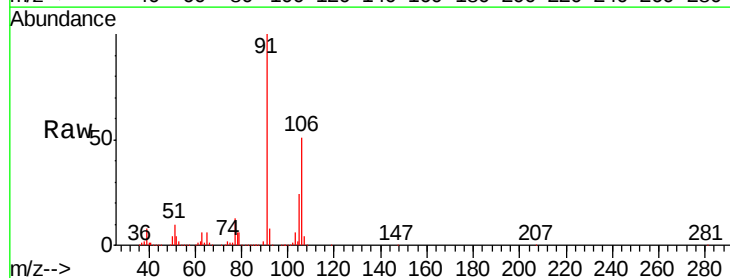
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

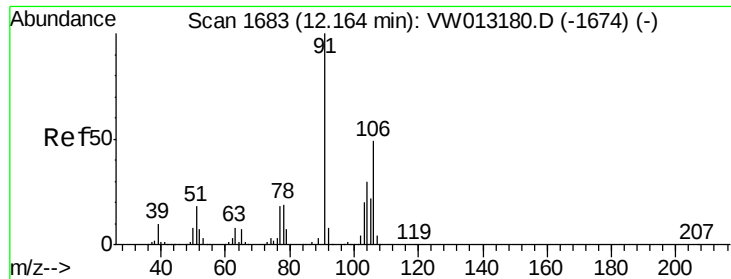
Tgt Ion: 91 Resp: 345152
Ion Ratio Lower Upper
91 100
106 32.4 24.9 37.3



#68
m/p-Xylenes
Concen: 43.055 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 106 Resp: 267269
Ion Ratio Lower Upper
106 100
91 197.3 157.9 236.9

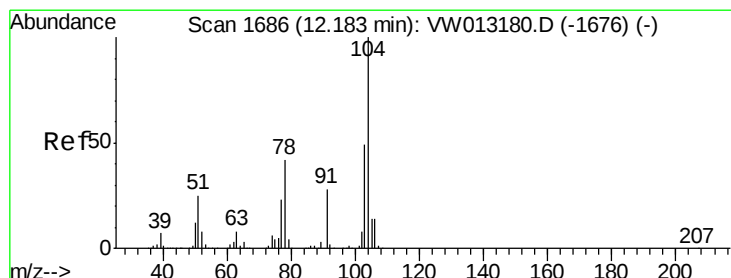
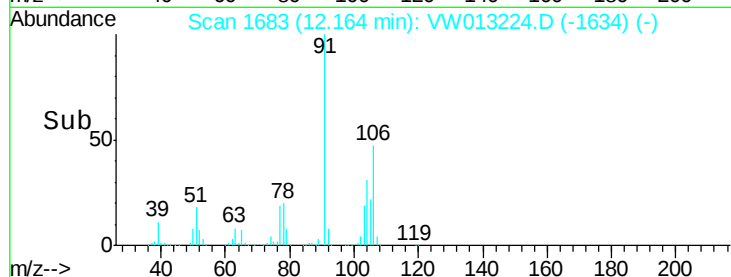
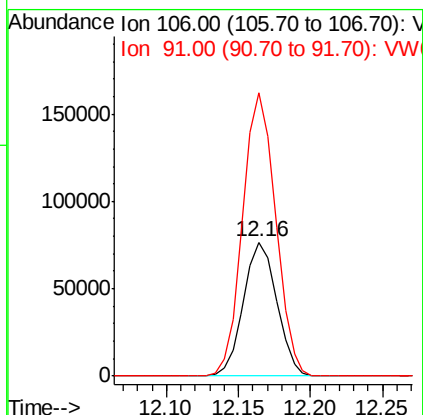
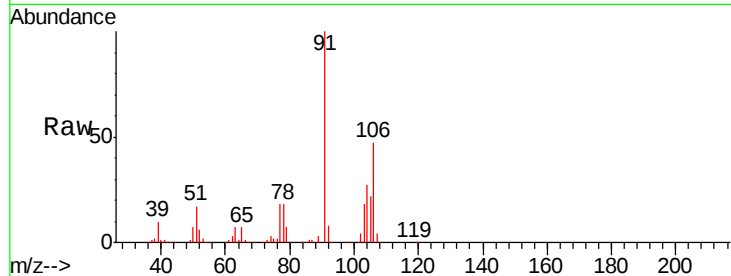




#69
o-Xylene
Concen: 21.232 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

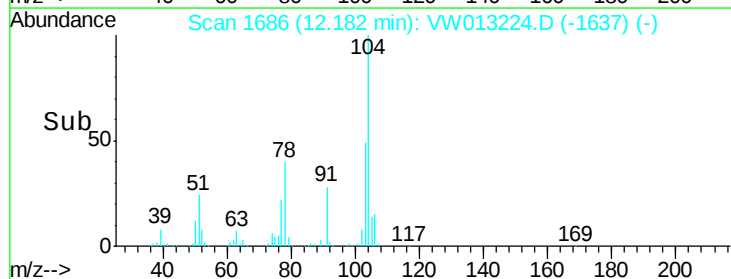
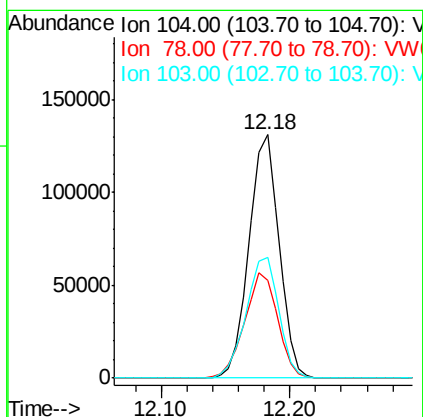
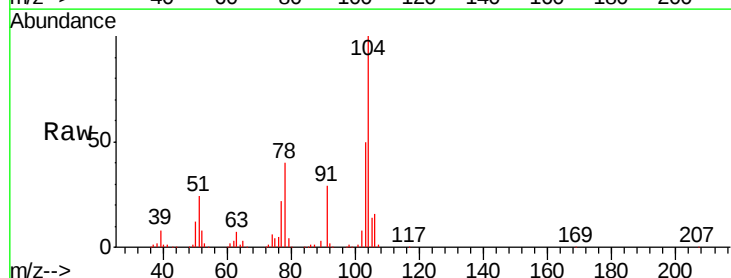
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

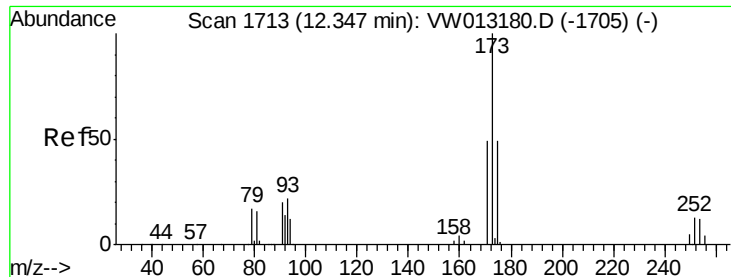
Tgt Ion:106 Resp: 122538
Ion Ratio Lower Upper
106 100
91 210.3 106.5 319.5



#70
Styrene
Concen: 21.313 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:104 Resp: 211172
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 54.1 43.3 64.9

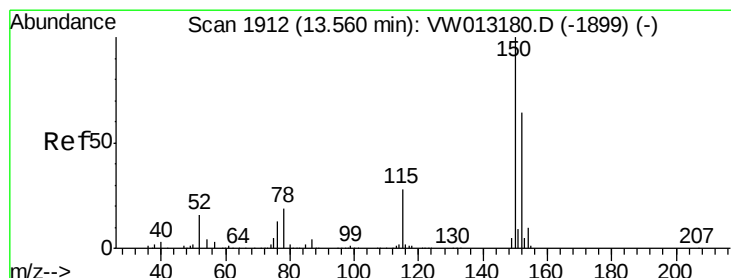
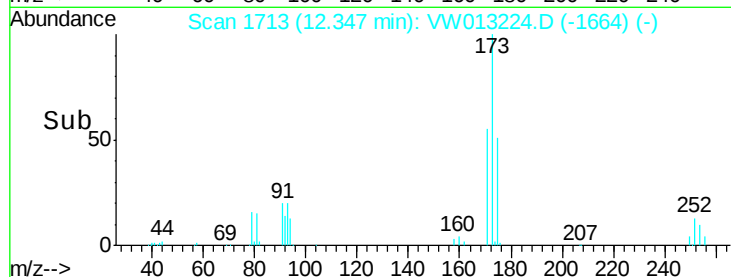
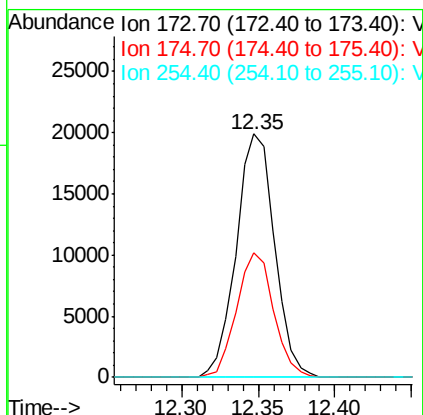
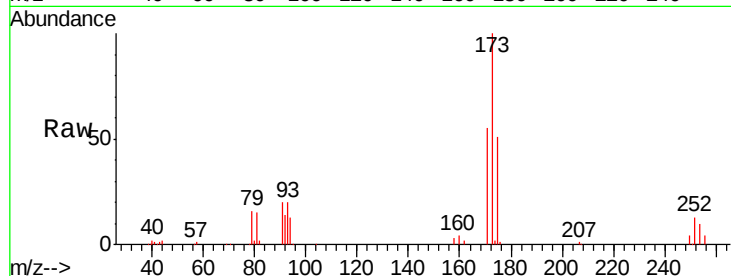




#71
Bromoform
Concen: 21.312 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

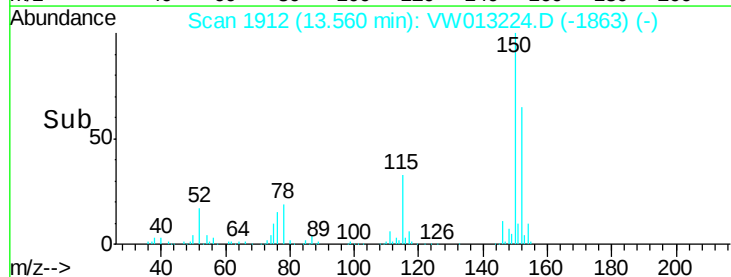
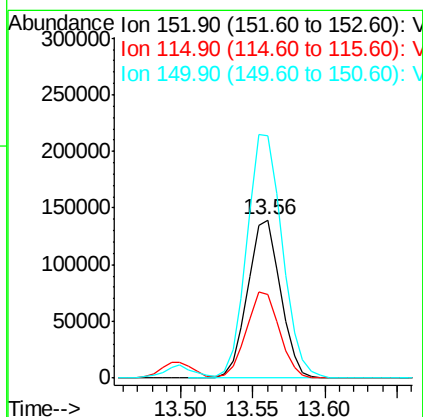
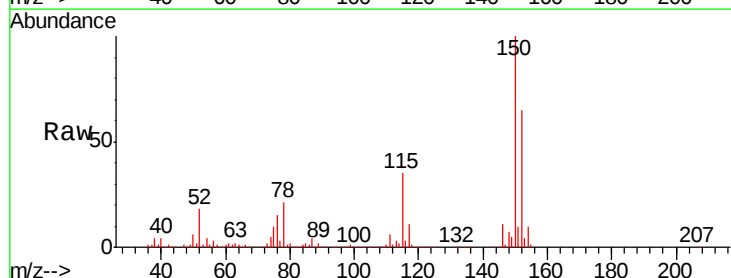
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

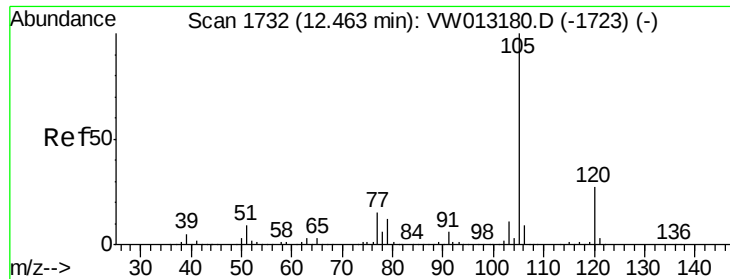
Tgt Ion:173 Resp: 34584
Ion Ratio Lower Upper
173 100
175 49.3 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:152 Resp: 220342
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 165.4 0.0 349.0





#73

Isopropylbenzene

Concen: 20.947 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

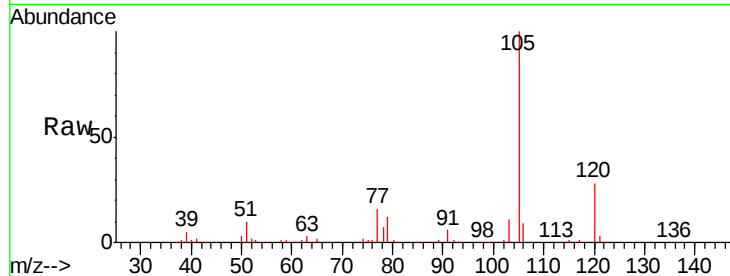
VW0923SBSD01

Tgt Ion:105 Resp: 340951

Ion Ratio Lower Upper

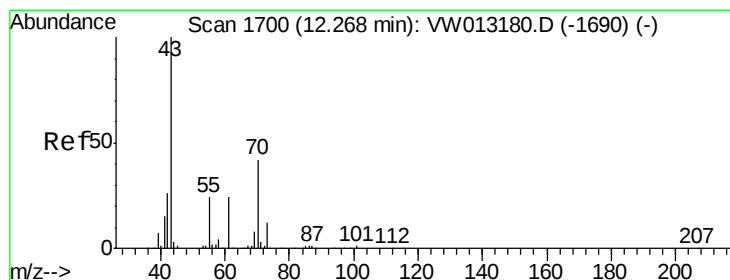
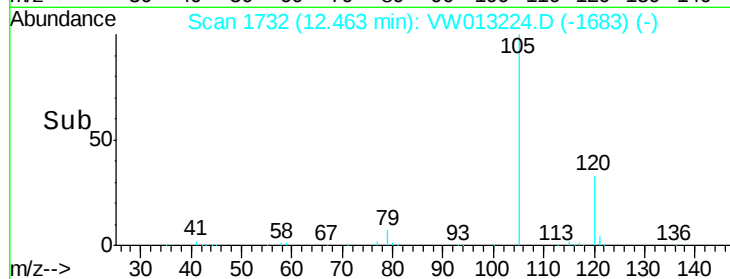
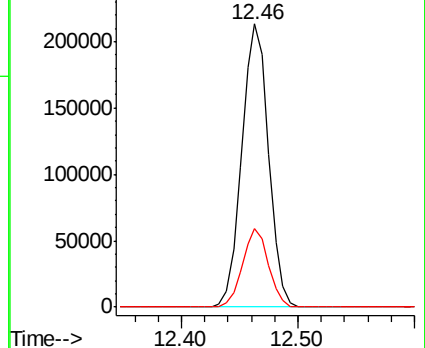
105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.648 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion: 43 Resp: 70966

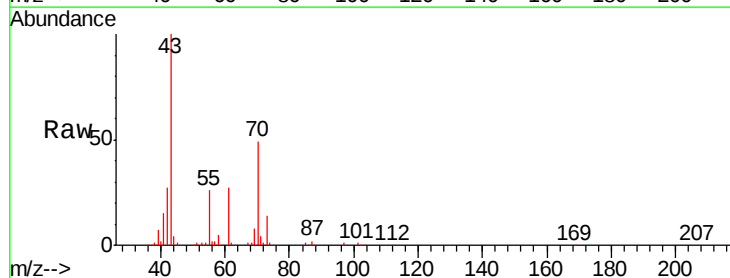
Ion Ratio Lower Upper

43 100

70 46.0 35.1 52.7

55 26.0 19.9 29.9

61 25.9 19.5 29.3

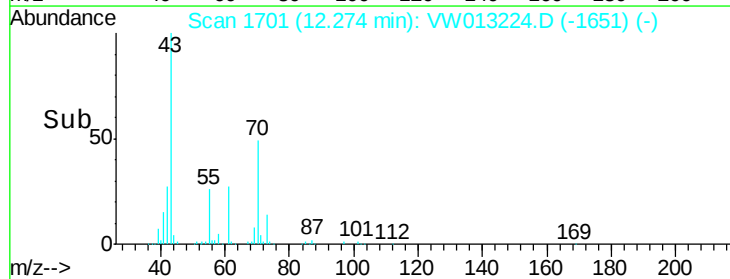
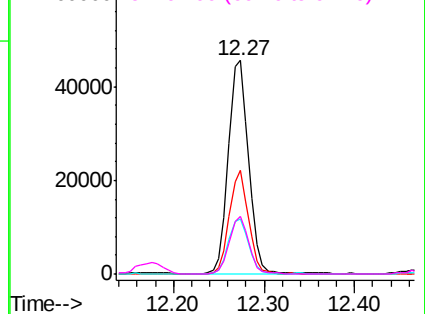


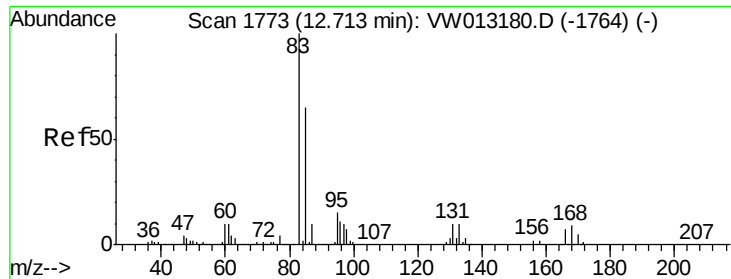
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.354 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

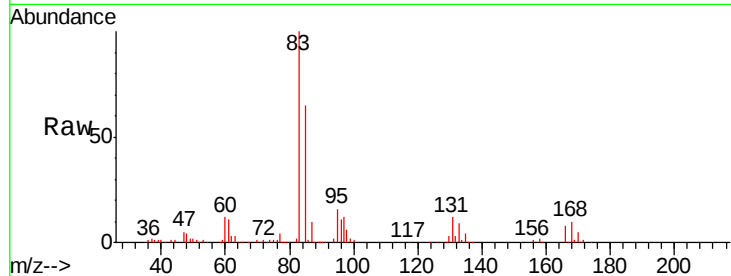
Tgt Ion: 83 Resp: 55406

Ion Ratio Lower Upper

83 100

131 11.8 5.4 16.2

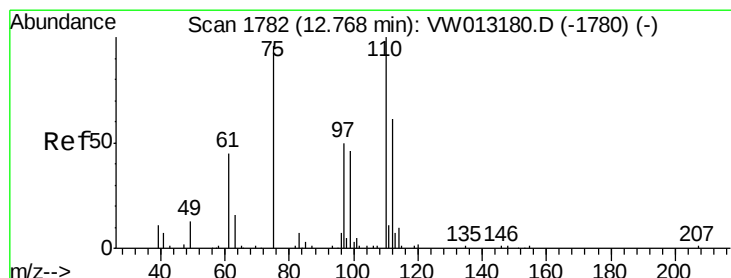
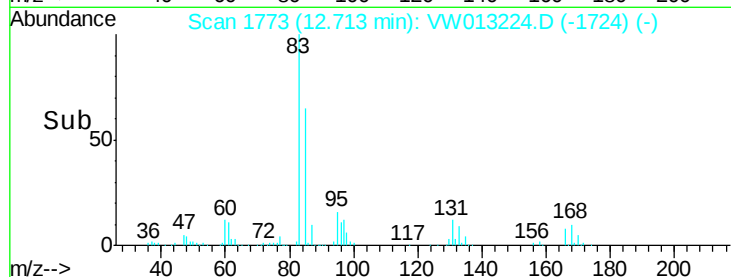
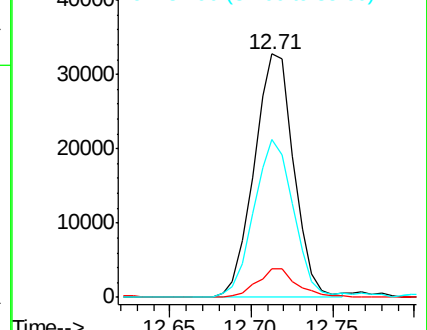
85 66.3 31.9 95.9



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: 37.079 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW013224.D

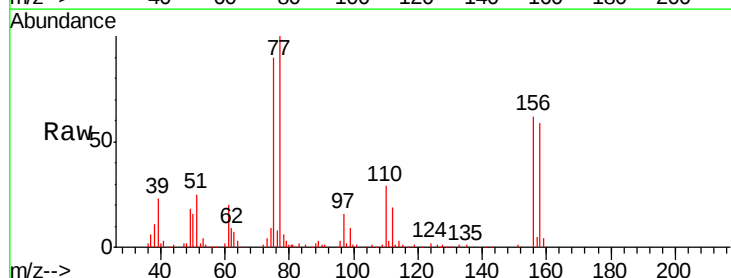
Acq: 23 Sep 2019 12:10

Tgt Ion: 75 Resp: 72152

Ion Ratio Lower Upper

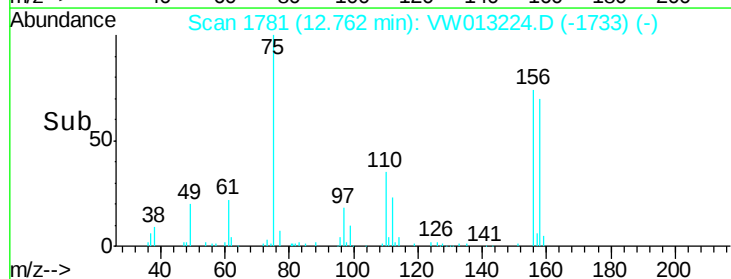
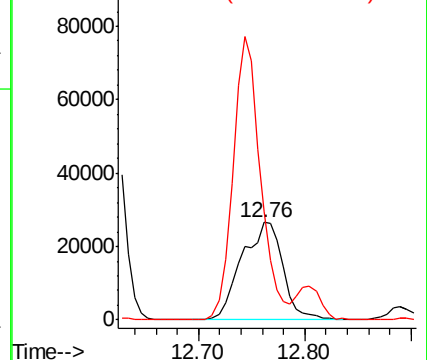
75 100

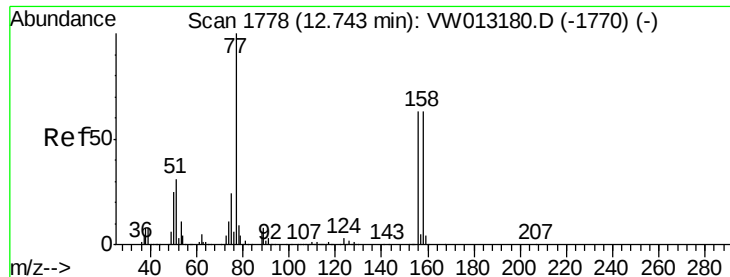
77 193.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.019 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

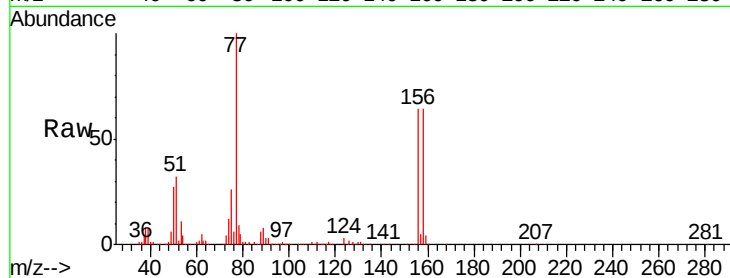
Tgt Ion:156 Resp: 81074

Ion Ratio Lower Upper

156 100

77 172.4 85.7 257.1

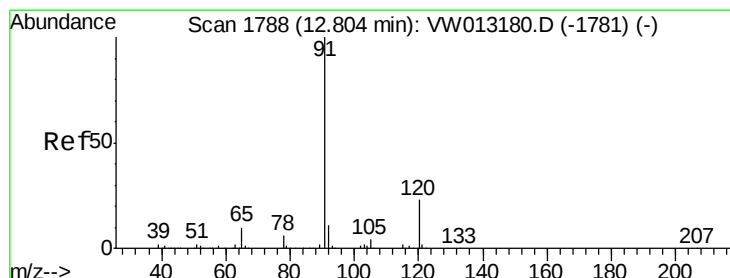
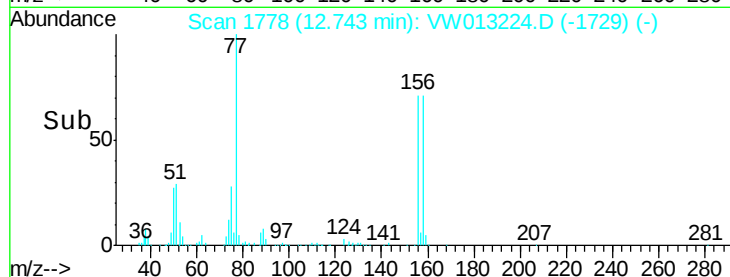
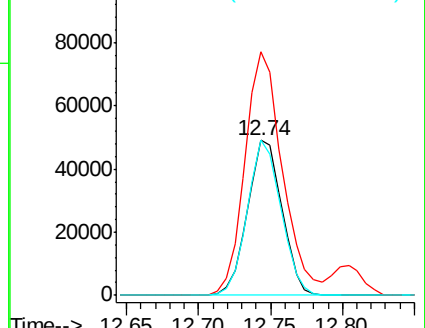
158 97.8 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.030 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013224.D

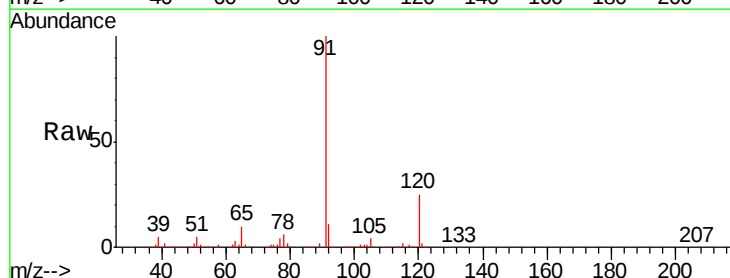
Acq: 23 Sep 2019 12:10

Tgt Ion: 91 Resp: 400680

Ion Ratio Lower Upper

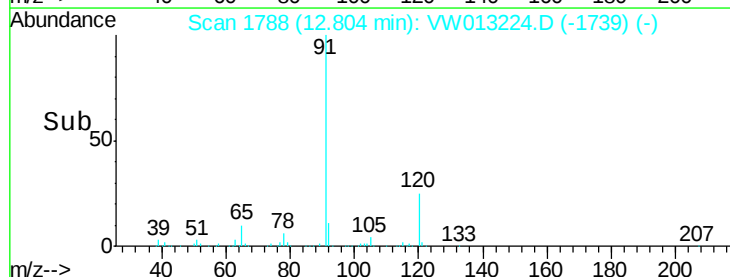
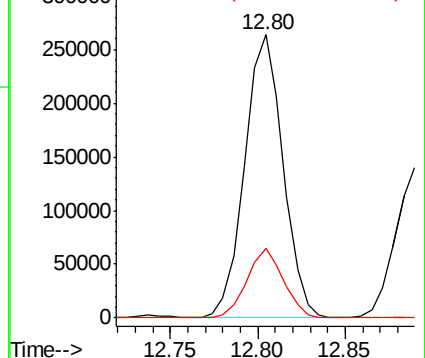
91 100

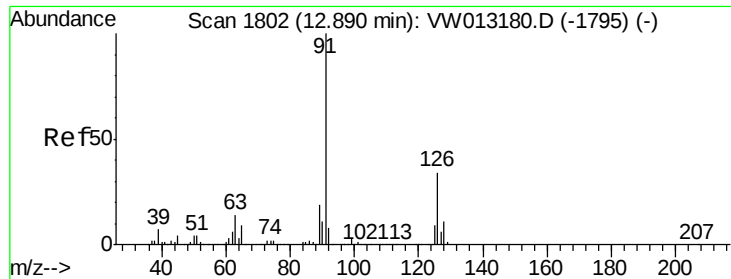
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.326 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

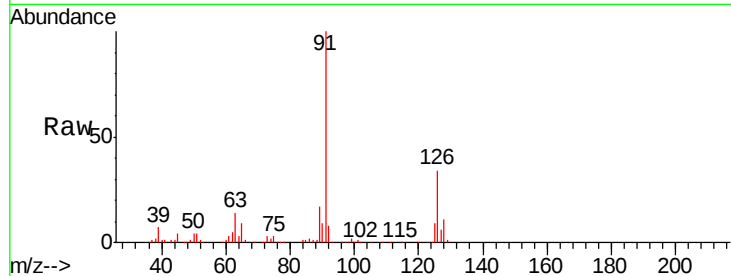
VW0923SBSD01

Tgt Ion: 91 Resp: 227631

Ion Ratio Lower Upper

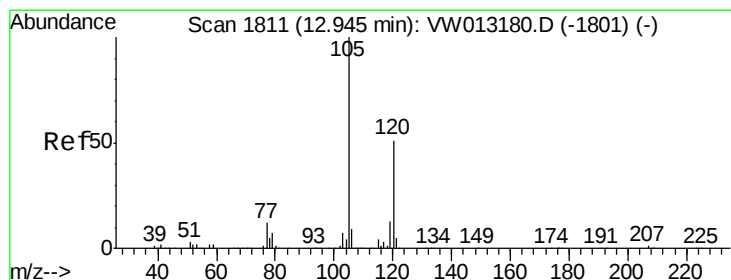
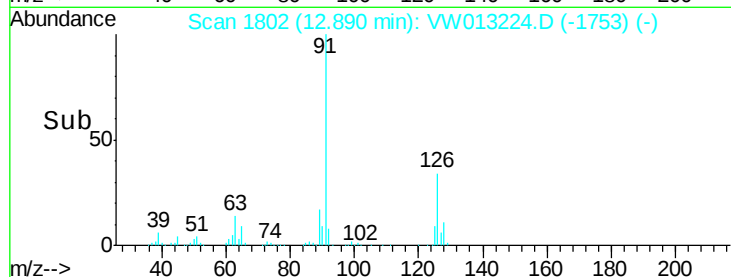
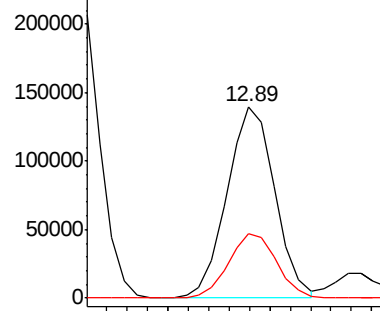
91 100

126 34.2 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: 21.112 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013224.D

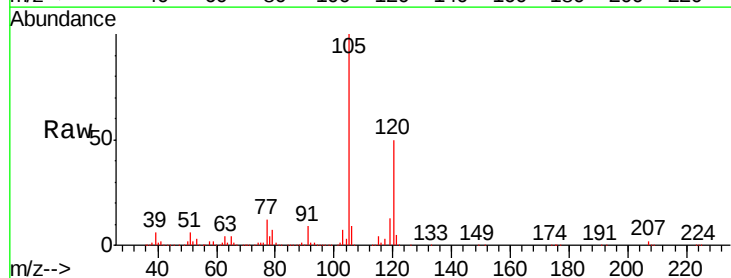
Acq: 23 Sep 2019 12:10

Tgt Ion: 105 Resp: 288856

Ion Ratio Lower Upper

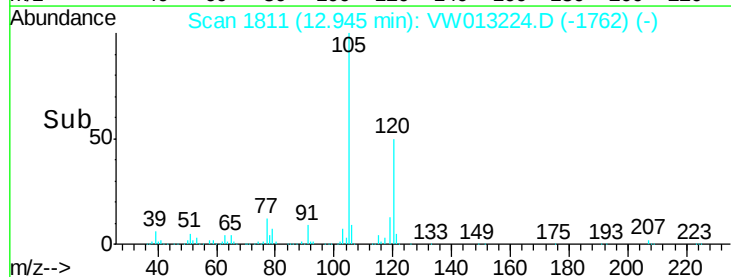
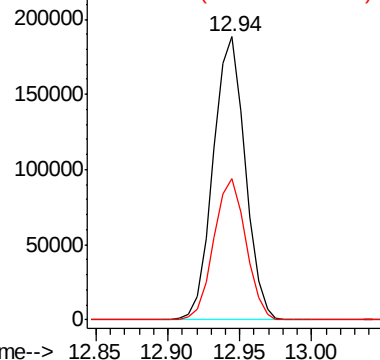
105 100

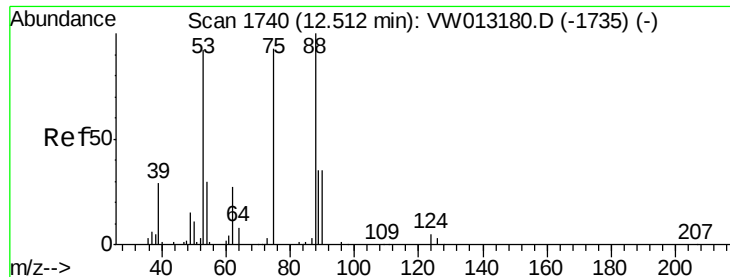
120 50.3 24.9 74.8



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: 21.334 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

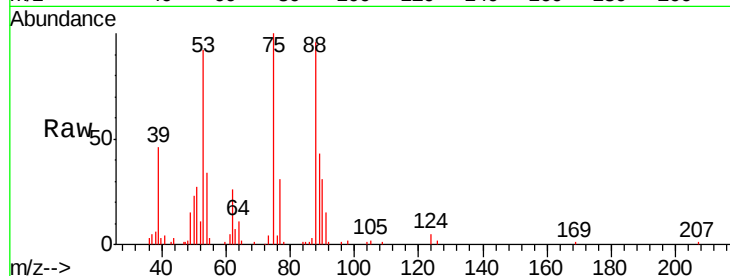
Tgt Ion: 75 Resp: 18501

Ion Ratio Lower Upper

75 100

53 94.5 76.6 114.8

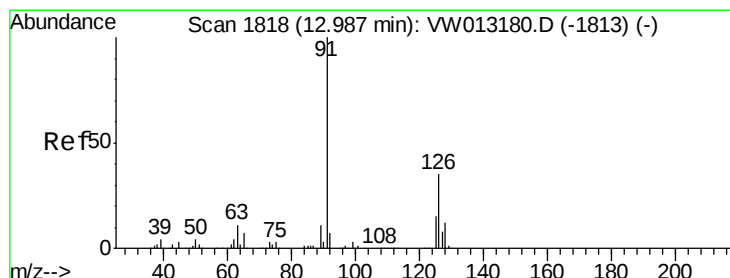
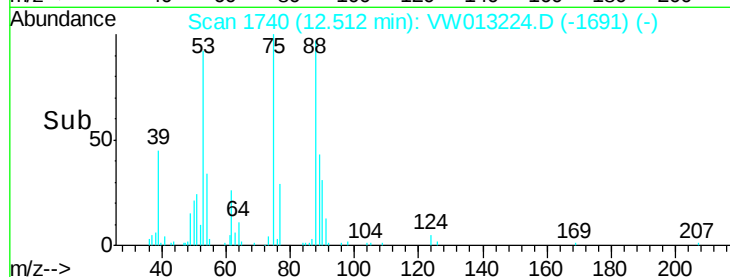
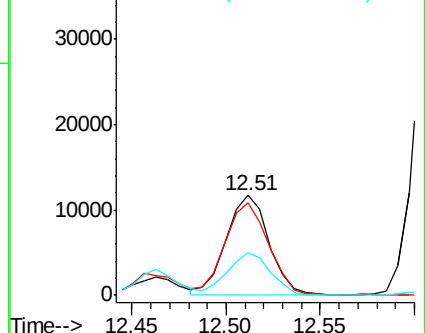
89 43.1 33.5 50.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.988 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013224.D

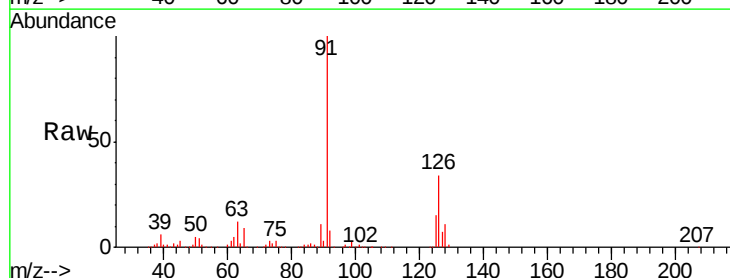
Acq: 23 Sep 2019 12:10

Tgt Ion: 91 Resp: 236238

Ion Ratio Lower Upper

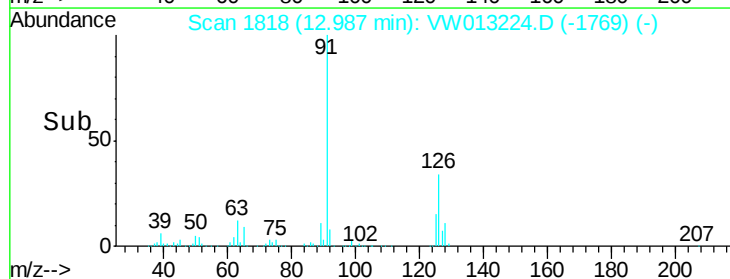
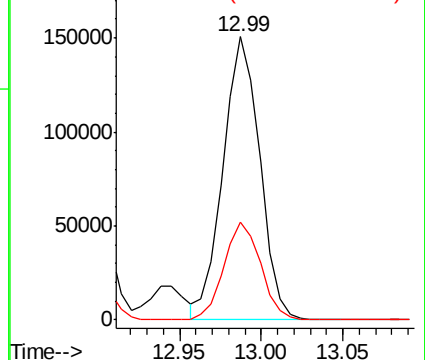
91 100

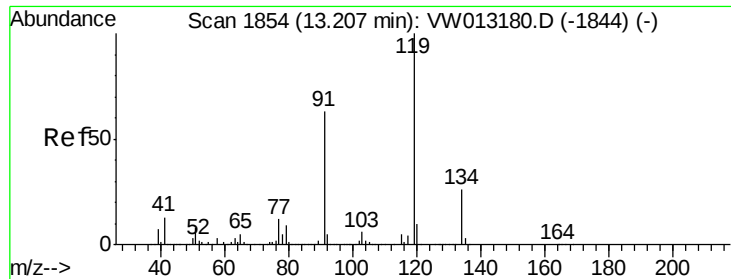
126 34.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

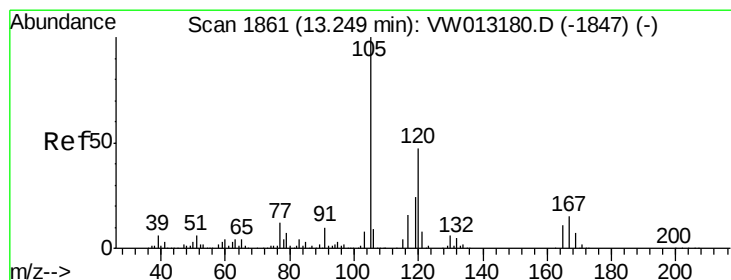
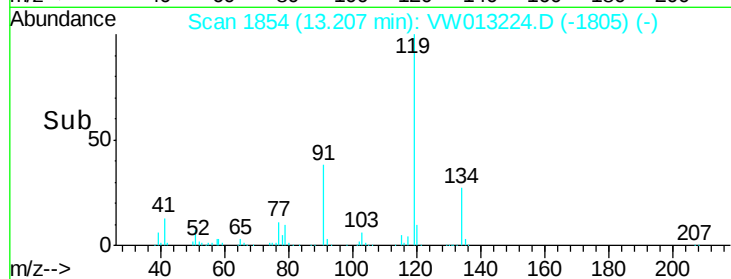
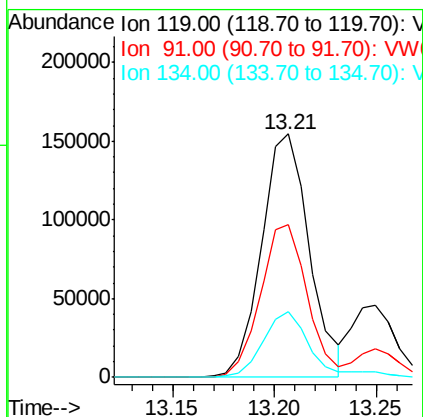
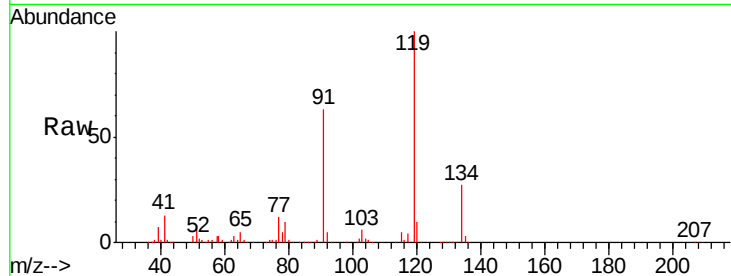




#83
tert-Butylbenzene
Concen: 21.072 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

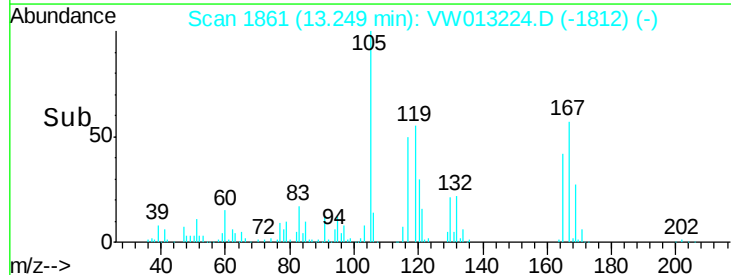
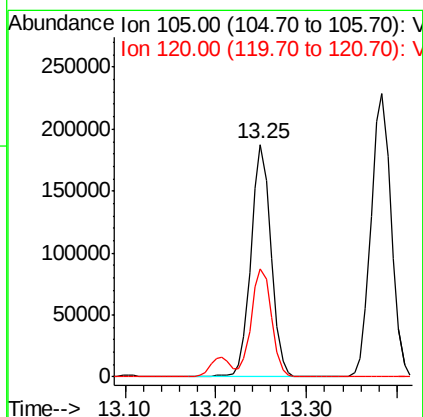
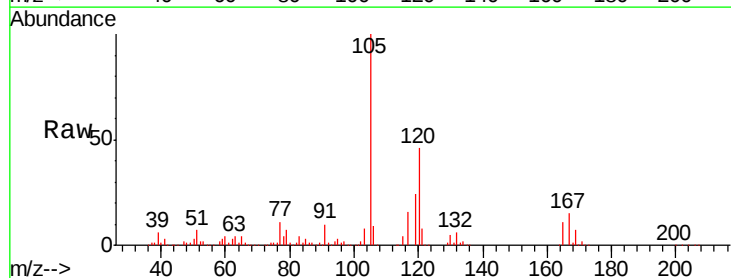
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

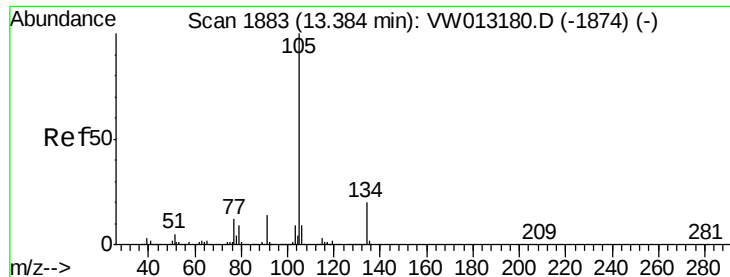
Tgt Ion:119 Resp: 253059
Ion Ratio Lower Upper
119 100
91 61.2 30.7 92.1
134 27.2 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 21.142 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:105 Resp: 287857
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.3

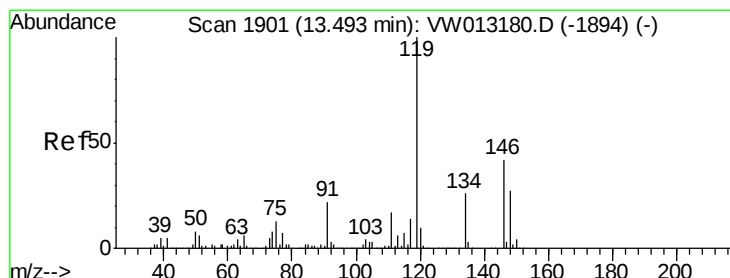
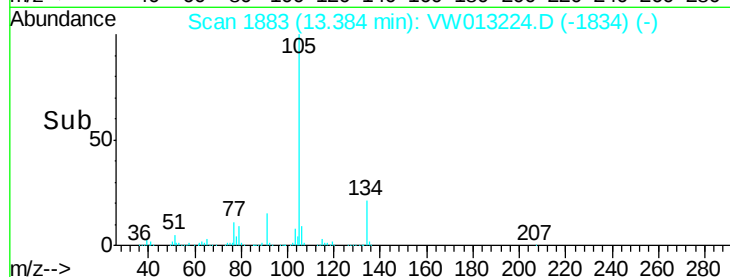
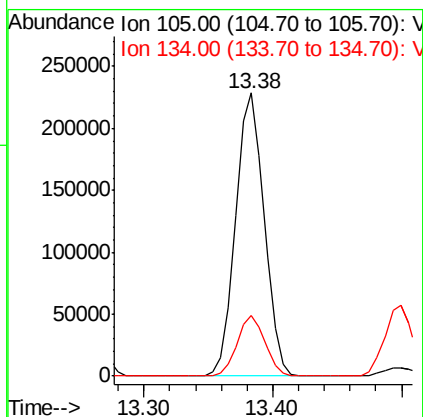
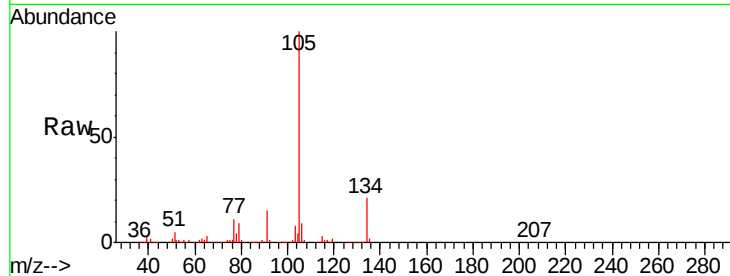




#85
 sec-Butylbenzene
 Concen: 21.313 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

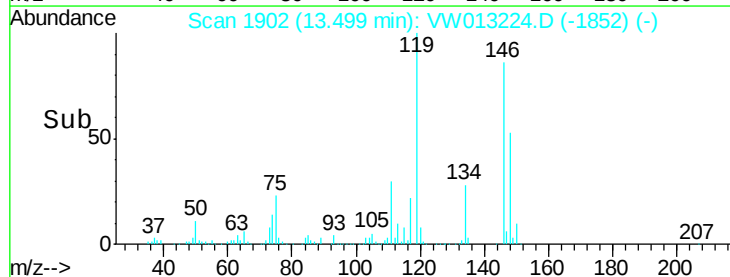
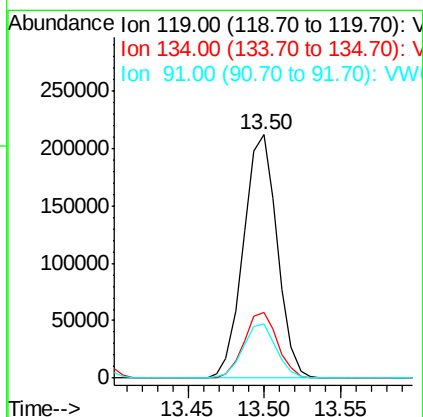
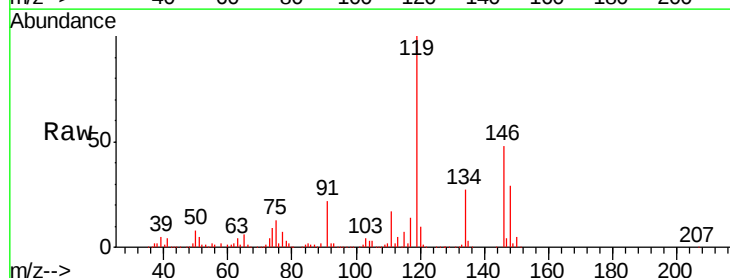
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

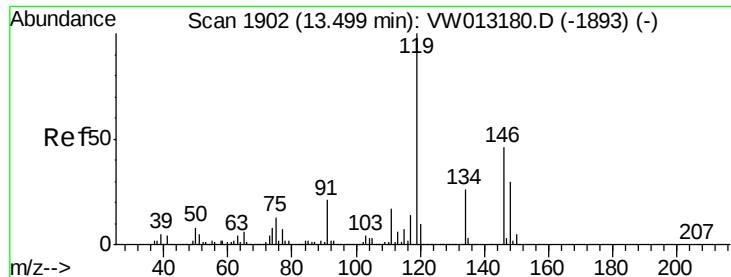
Tgt Ion:105 Resp: 352871
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.087 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion:119 Resp: 323821
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 22.1 10.8 32.4

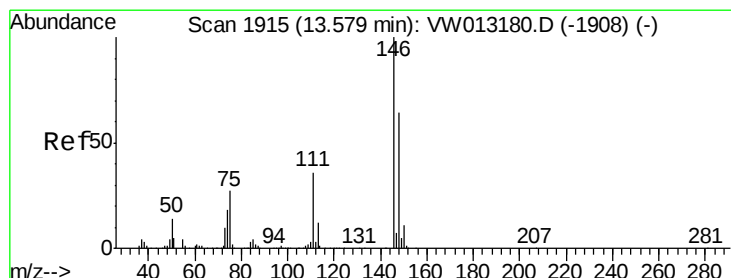
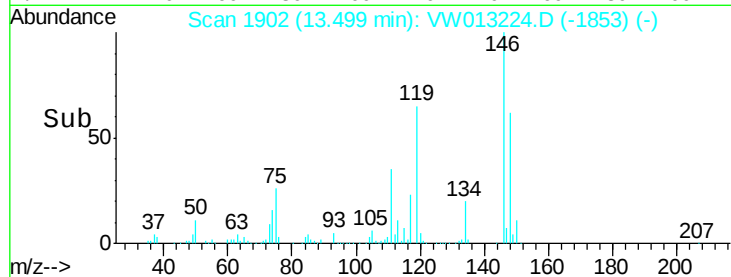
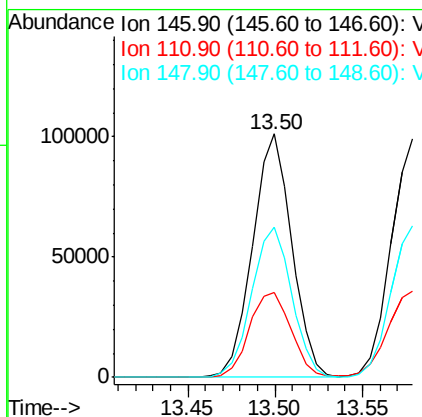
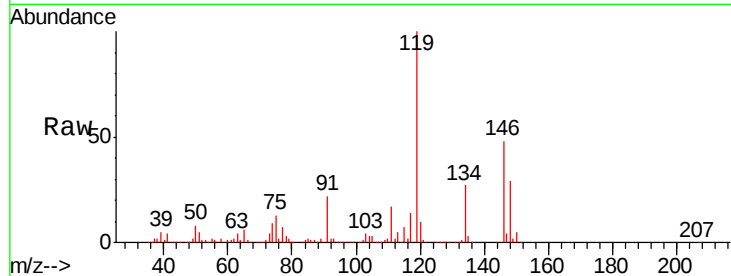




#87
 1,3-Dichlorobenzene
 Concen: 21.247 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

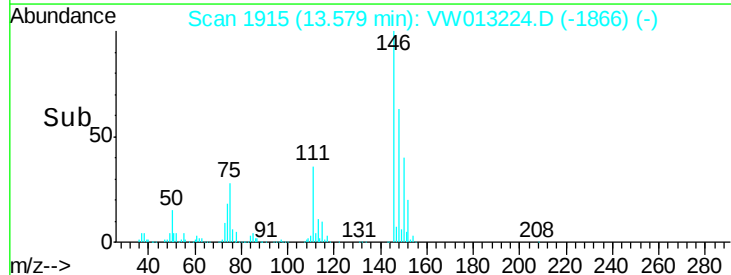
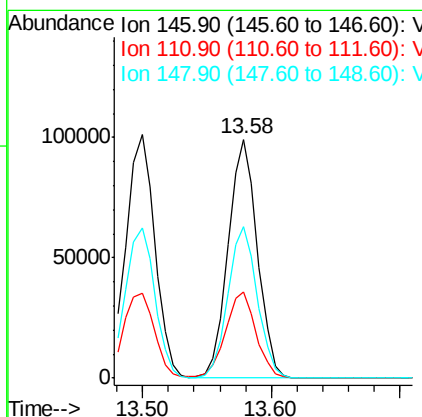
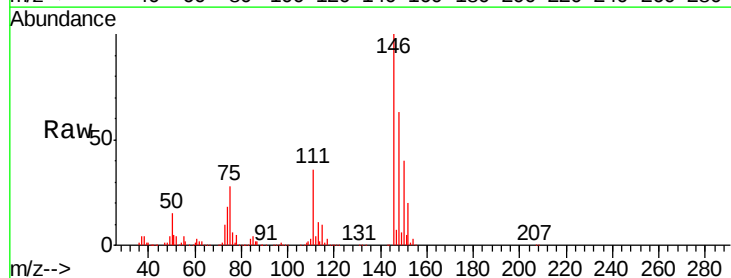
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

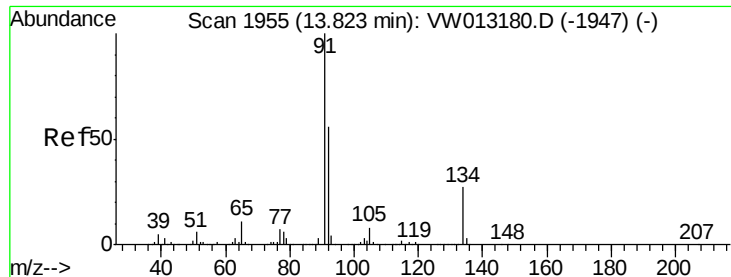
Tgt Ion:146 Resp: 157723
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.9
 148 63.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 21.593 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion:146 Resp: 157207
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 21.285 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

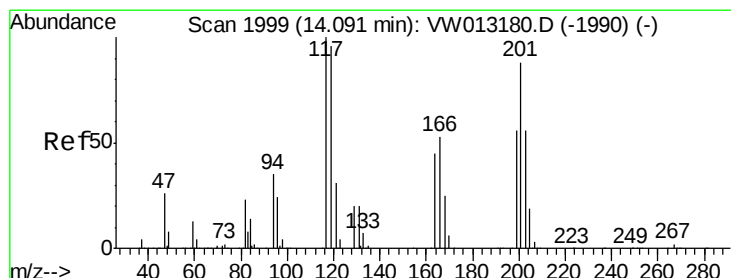
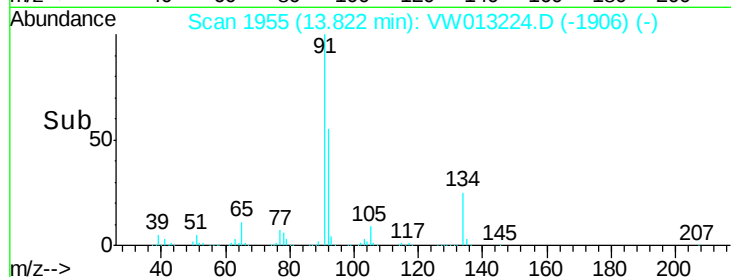
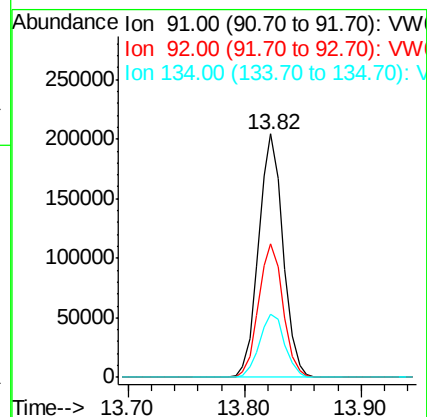
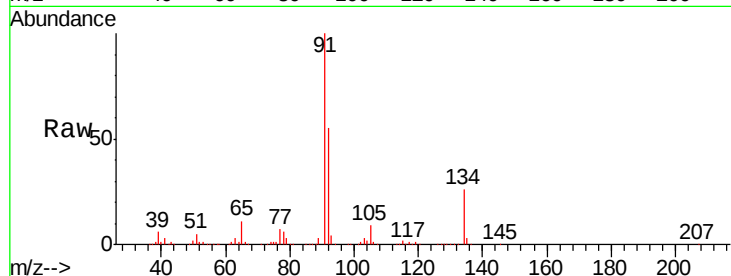
Tgt Ion: 91 Resp: 298467

Ion Ratio Lower Upper

91 100

92 55.0 27.6 82.8

134 26.9 13.7 41.1



#90

Hexachloroethane

Concen: 21.189 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013224.D

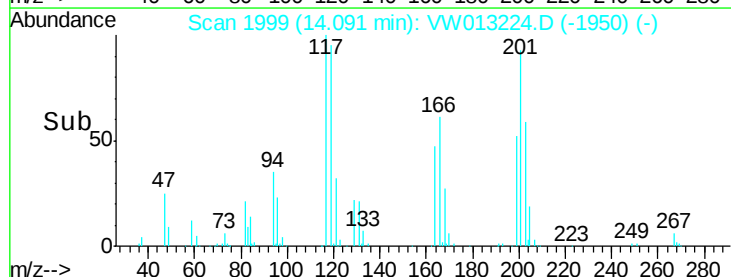
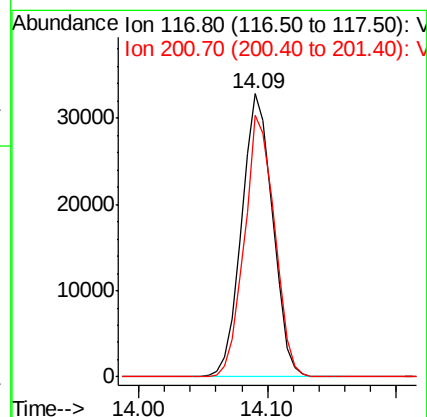
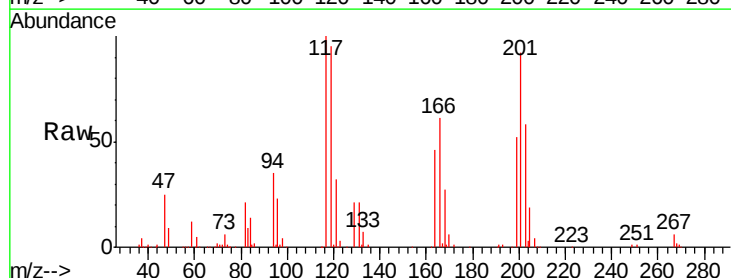
Acq: 23 Sep 2019 12:10

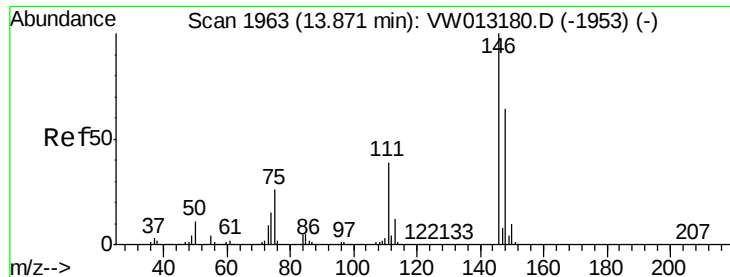
Tgt Ion: 117 Resp: 54663

Ion Ratio Lower Upper

117 100

201 89.5 44.5 133.5

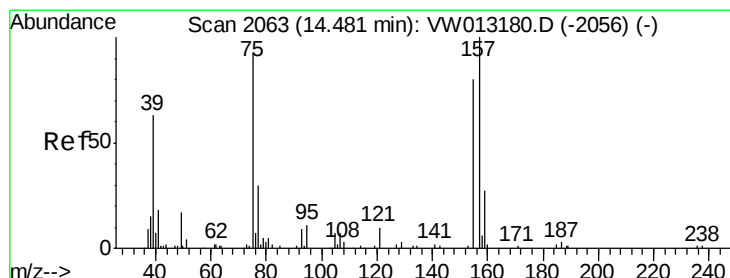
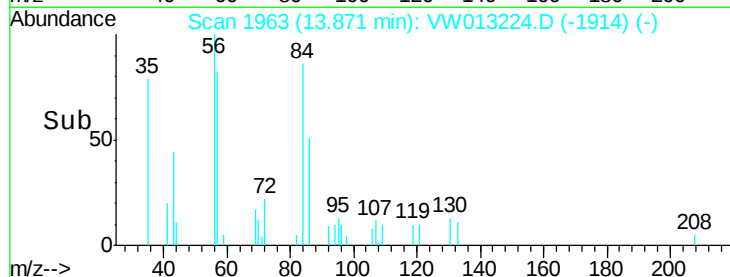
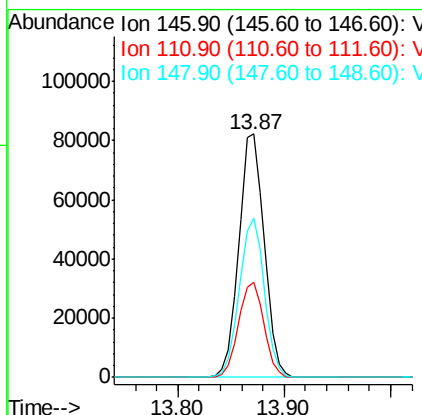
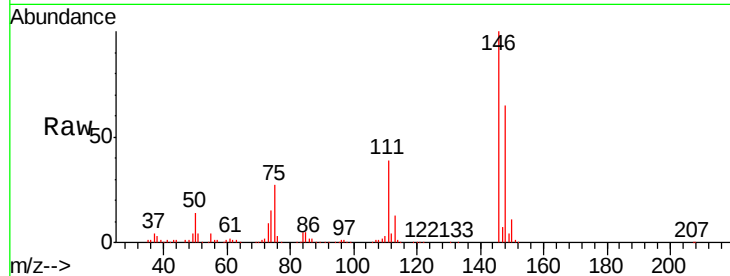




#91
 1,2-Dichlorobenzene
 Concen: 21.473 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

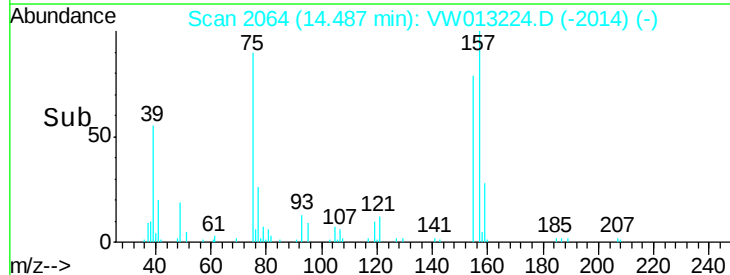
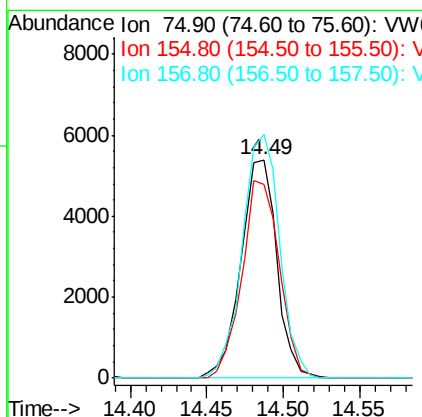
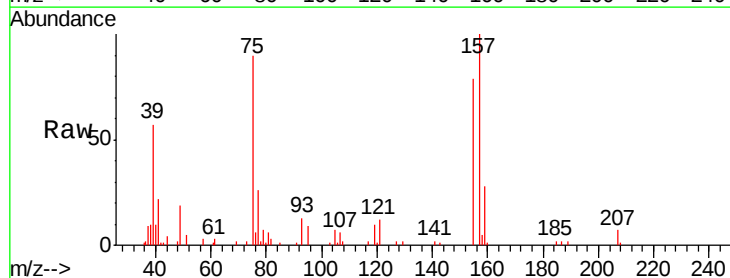
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

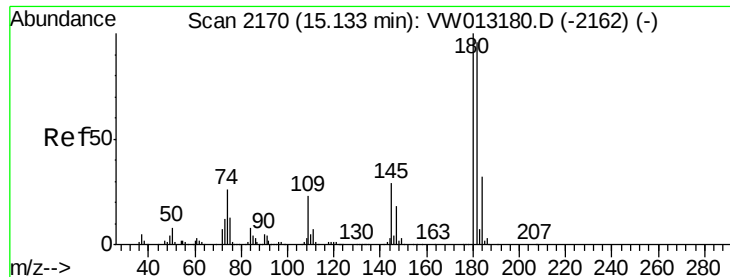
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.3
148	64.3	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.145 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	46.1	138.3
157	116.3	60.4	181.2





#93

1,2,4-Trichlorobenzene

Concen: 21.277 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

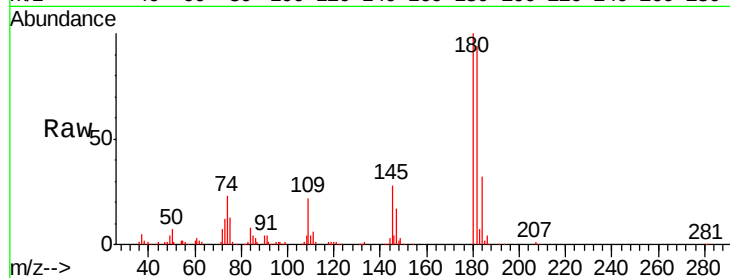
Tgt Ion:180 Resp: 97917

Ion Ratio Lower Upper

180 100

182 95.4 47.3 142.0

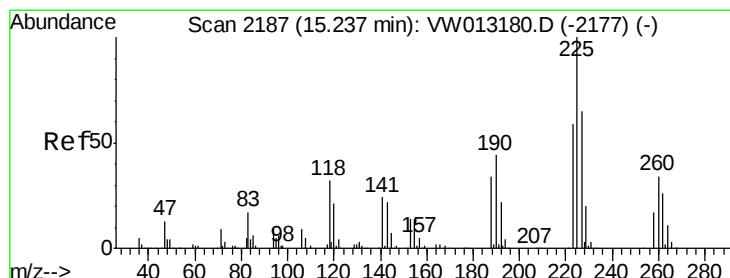
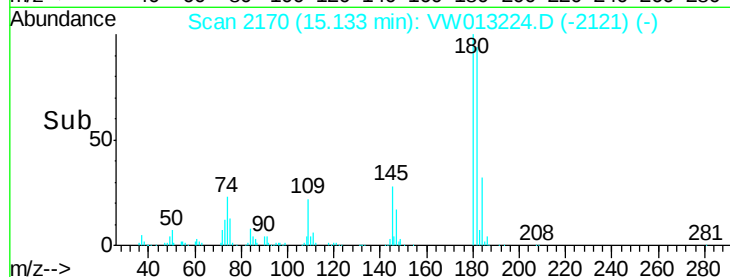
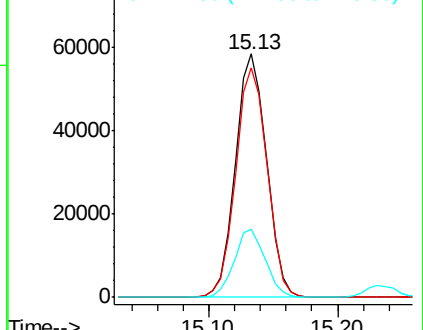
145 27.9 14.2 42.8



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: 21.111 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

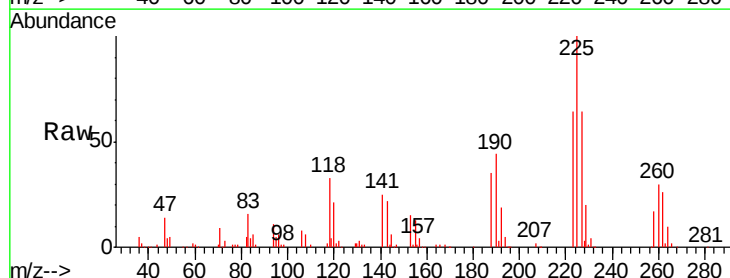
Tgt Ion:225 Resp: 66467

Ion Ratio Lower Upper

225 100

223 62.5 30.6 91.8

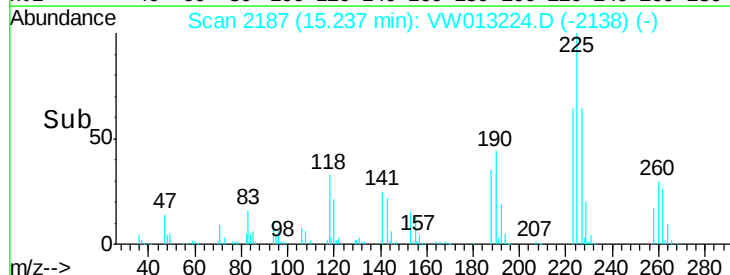
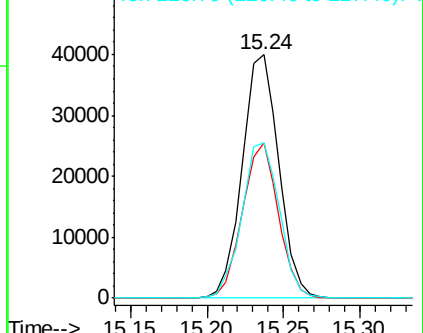
227 65.4 31.9 95.9

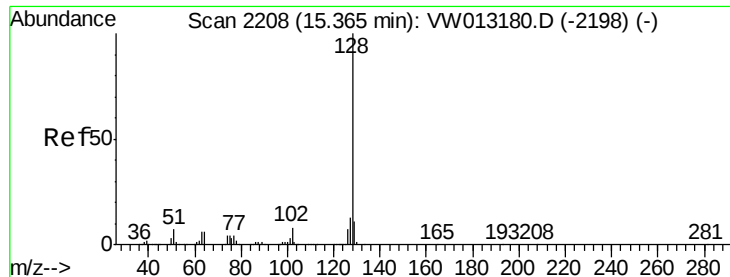


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

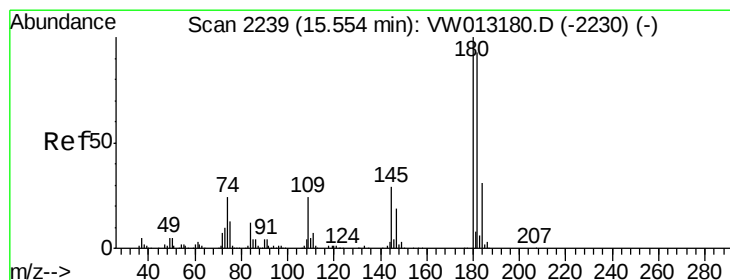
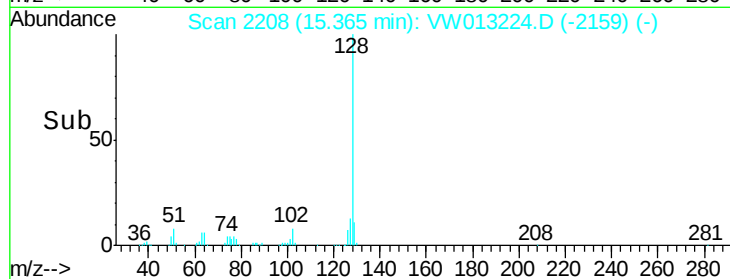
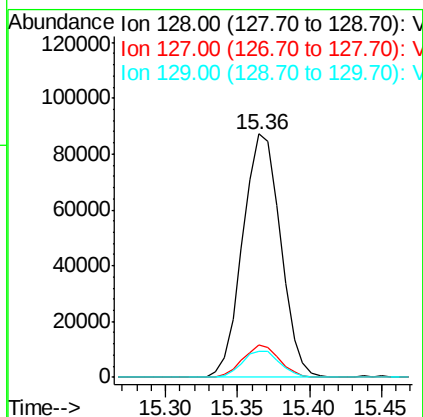
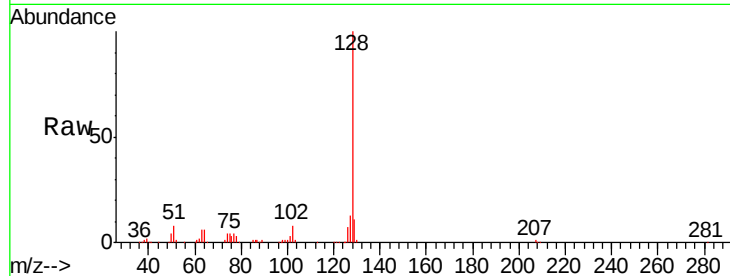




#95
Naphthalene
Concen: 21.173 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.418 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.7
145	30.7	15.0	45.0

