

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013462.D
 Acq On : 07 Oct 2019 14:44
 Operator : SY/VA
 Sample : VW1007SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Quant Time: Oct 07 16:51:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	254303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105650	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
35) Dibromofluoromethane	7.88	113	103247	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	10.32	98	425151	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.62	95	152246	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22165	22.534	ug/l	97
3) Chloromethane	2.21	50	34321	21.145	ug/l	97
4) Vinyl Chloride	2.36	62	49642	21.550	ug/l	97
5) Bromomethane	2.76	94	28336	20.022	ug/l	95
6) Chloroethane	2.92	64	25912	19.481	ug/l	100
7) Trichlorofluoromethane	3.25	101	19355	19.367	ug/l	95
8) Diethyl Ether	3.68	74	25755	22.266	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46528	20.999	ug/l	97
10) Methyl Iodide	4.27	142	75168	21.007	ug/l	98
11) Tert butyl alcohol	5.18	59	29889	186.282	ug/l	95
12) 1,1-Dichloroethene	4.04	96	48836	20.861	ug/l	90
13) Acrolein	3.89	56	22266	121.650	ug/l	99
14) Allyl chloride	4.66	41	73316	21.171	ug/l	96
15) Acrylonitrile	5.36	53	73021	139.645	ug/l	99
16) Acetone	4.12	43	62051	106.613	ug/l	91
17) Carbon Disulfide	4.38	76	136528	20.906	ug/l	96
18) Methyl Acetate	4.67	43	38767	28.458	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	84058	24.397	ug/l	96
20) Methylene Chloride	4.92	84	55619	21.884	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	50994	20.455	ug/l	98
22) Diisopropyl ether	6.31	45	145518	21.759	ug/l	98
23) Vinyl Acetate	6.25	43	496889	123.820	ug/l	100
24) 1,1-Dichloroethane	6.21	63	84423	20.725	ug/l	99
25) 2-Butanone	7.17	43	101461	136.237	ug/l	94
26) 2,2-Dichloropropane	7.17	77	56984	23.292	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	55917	21.428	ug/l	100
28) Bromochloromethane	7.51	49	27516	18.683	ug/l	92
29) Tetrahydrofuran	7.53	42	65094	154.140	ug/l	98
30) Chloroform	7.67	83	81157	20.318	ug/l	95
31) Cyclohexane	7.95	56	87983	20.253	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	67096	21.442	ug/l	98
36) 1,1-Dichloropropene	8.08	75	71549	20.918	ug/l	99
37) Ethyl Acetate	7.25	43	45617	30.277	ug/l	99
38) Carbon Tetrachloride	8.06	117	61583	20.784	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92075	20.440	ug/l	98
40) Benzene	8.32	78	200246	20.681	ug/l	99
41) Methacrylonitrile	7.48	41	24031	26.402	ug/l	94
42) 1,2-Dichloroethane	8.40	62	54029	21.711	ug/l	96
43) Isopropyl Acetate	8.42	43	74587	26.252	ug/l	97
44) Trichloroethene	9.09	130	57429	21.062	ug/l	95
45) 1,2-Dichloropropane	9.37	63	48869	21.021	ug/l	97
46) Dibromomethane	9.46	93	26341	22.748	ug/l	97
47) Bromodichloromethane	9.65	83	60219	21.125	ug/l	99
48) Methyl methacrylate	9.43	41	36885	27.019	ug/l	95
49) 1,4-Dioxane	9.45	88	12035	667.020	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	210963	141.324	ug/l	98
52) Toluene	10.38	92	130066	20.826	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65861	22.212	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	78313	21.784	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	40486	23.438	ug/l	98
56) Ethyl methacrylate	10.65	69	58866	25.318	ug/l	96
57) 1,3-Dichloropropane	10.93	76	69241	23.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	129741	135.843	ug/l	99
59) 2-Hexanone	10.97	43	148002	143.042	ug/l	100
60) Dibromochloromethane	11.13	129	45624	23.087	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40313	24.151	ug/l	99
64) Tetrachloroethene	10.86	164	50438	20.960	ug/l	97
65) Chlorobenzene	11.66	112	135206	20.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47545	21.542	ug/l	99
67) Ethyl Benzene	11.73	91	247853	21.341	ug/l	97
68) m/p-Xylenes	11.84	106	191144	42.639	ug/l	99
69) o-Xylene	12.16	106	89089	21.494	ug/l	96
70) Styrene	12.18	104	154357	21.786	ug/l	99
71) Bromoform	12.35	173	30137	25.185	ug/l #	100
73) Isopropylbenzene	12.46	105	247672	20.670	ug/l	99
74) N-amyl acetate	12.27	43	66623	26.126	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	50388	24.845	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	63856	43.860	ug/l #	100
77) Bromobenzene	12.74	156	59221	20.583	ug/l	98
78) n-propylbenzene	12.80	91	285638	20.723	ug/l	100
79) 2-Chlorotoluene	12.89	91	160266	20.934	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	206569	20.753	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16996	26.939	ug/l	95
82) 4-Chlorotoluene	12.99	91	166010	20.701	ug/l	99
83) tert-Butylbenzene	13.21	119	185009	21.280	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	206323	20.851	ug/l	98
85) sec-Butylbenzene	13.38	105	251364	20.970	ug/l	99
86) p-Isopropyltoluene	13.49	119	232966	20.971	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	113202	20.913	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	113665	20.972	ug/l	99
89) n-Butylbenzene	13.82	91	210462	21.014	ug/l	99
90) Hexachloroethane	14.09	117	39879	21.728	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	103963	21.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9162	30.202	ug/l	92

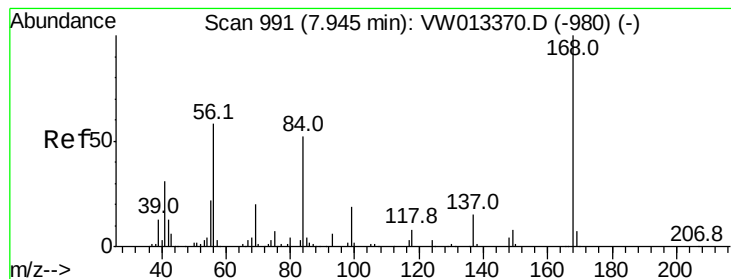
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
Data File : VW013462.D
Acq On : 07 Oct 2019 14:44
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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	75448	21.970	ug/l	100
94) Hexachlorobutadiene	15.24	225	47839	21.445	ug/l	98
95) Naphthalene	15.36	128	152068	26.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	67068	22.369	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

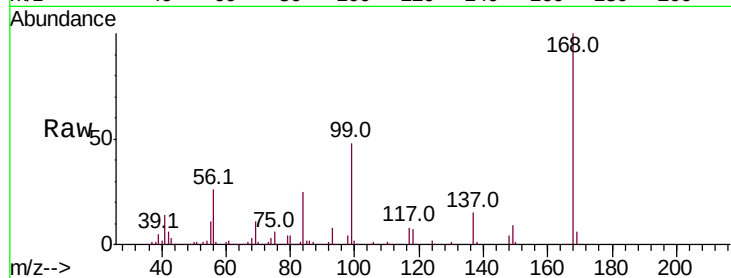
VW1007SBSD01

Tot Ion:168 Resp: 254303

Ion Ratio Lower Upper

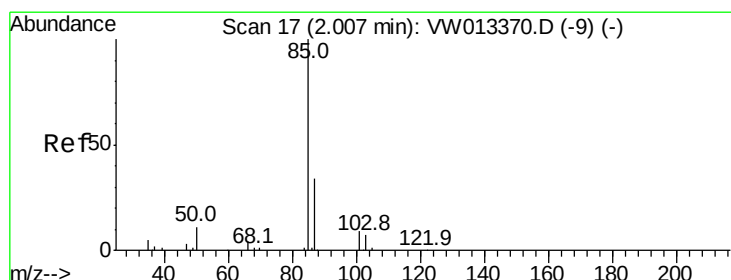
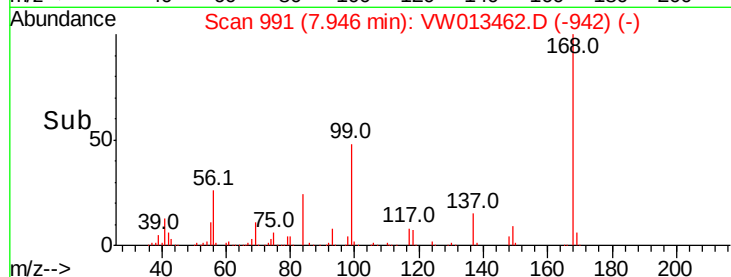
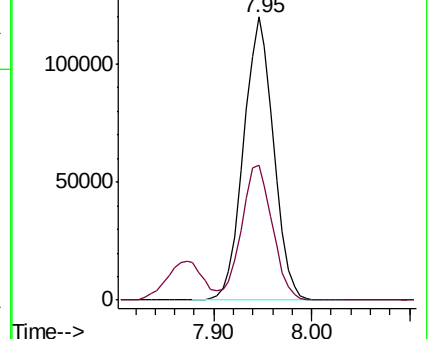
168 100

99 47.7 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: 22.534 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013462.D

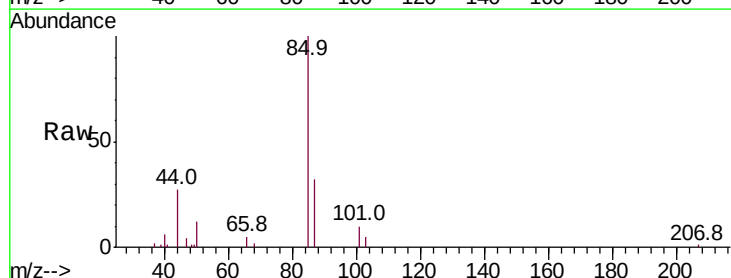
Acq: 07 Oct 2019 14:44

Tgt Ion: 85 Resp: 22165

Ion Ratio Lower Upper

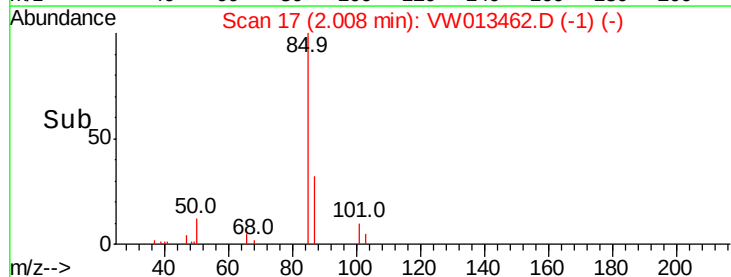
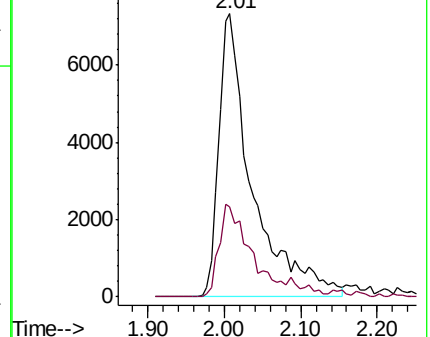
85 100

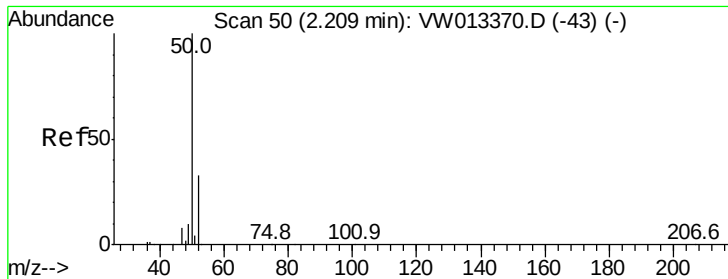
87 31.9 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.145 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

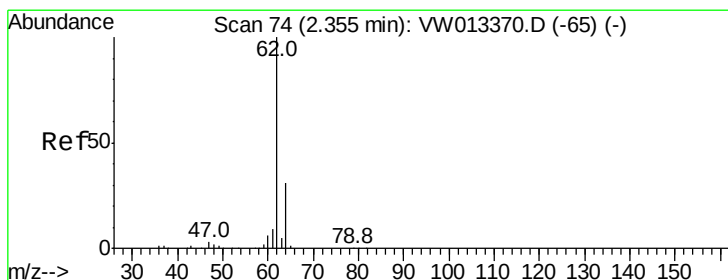
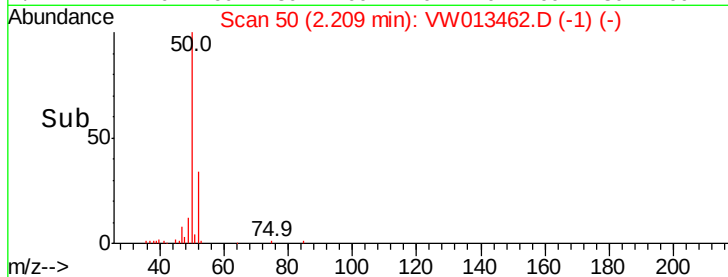
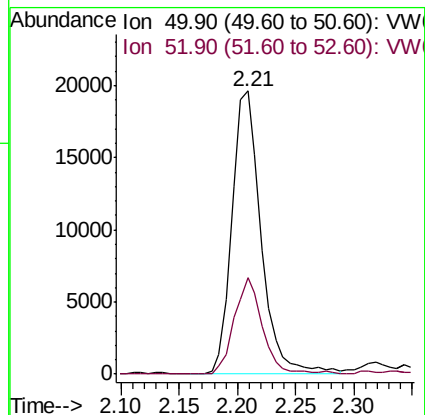
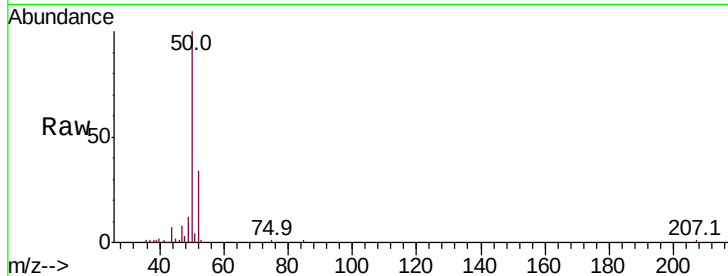
VW1007SBSD01

Tot Ion: 50 Resp: 34321

Ion Ratio Lower Upper

50 100

52 34.3 26.1 39.1



#4

Vinyl Chloride

Concen: 21.550 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013462.D

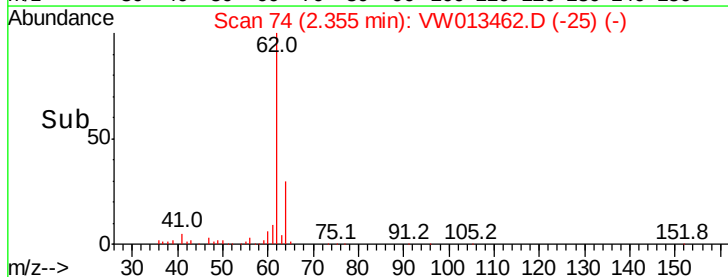
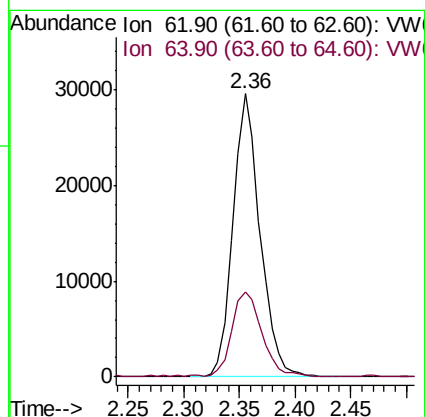
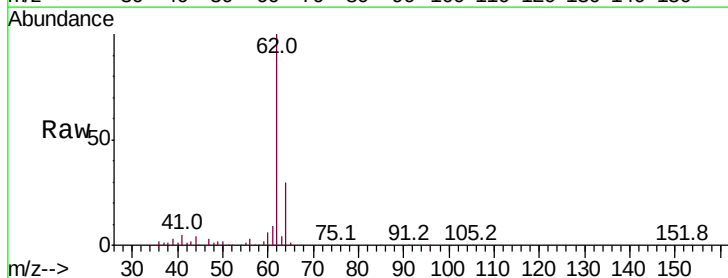
Acq: 07 Oct 2019 14:44

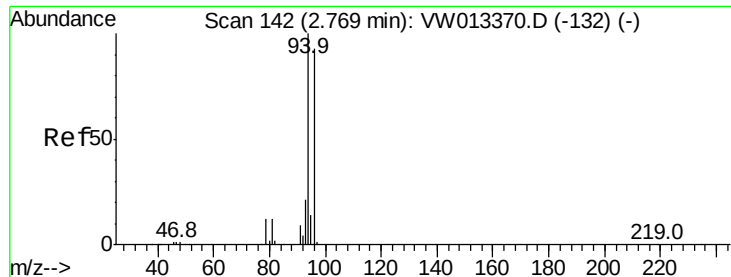
Tgt Ion: 62 Resp: 49642

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 20.022 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

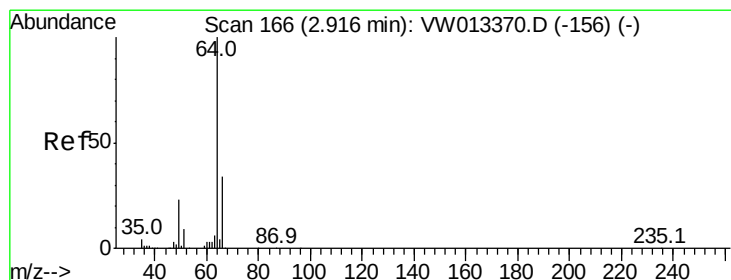
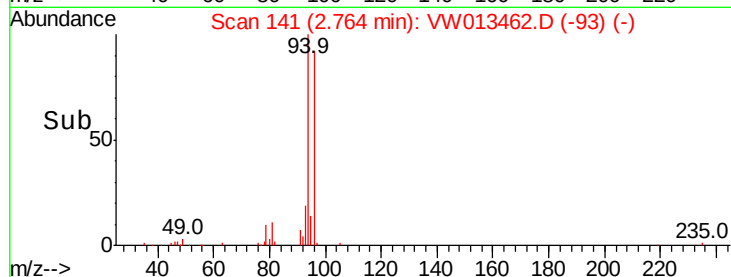
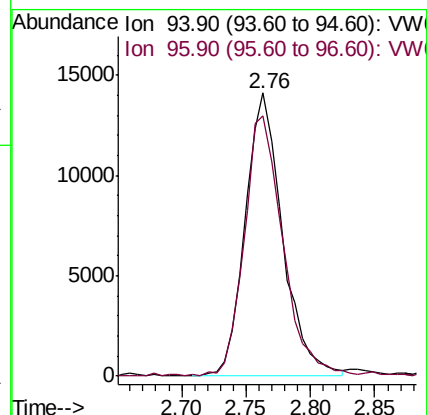
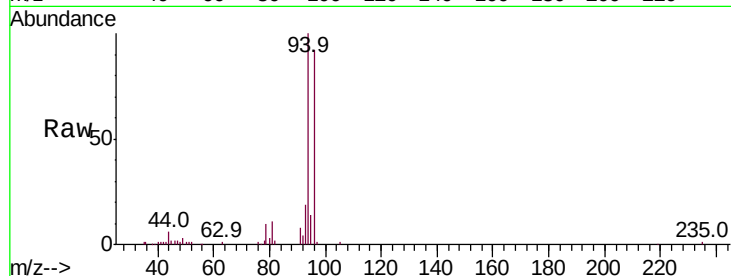
VW1007SBSD01

Tot Ion: 94 Resp: 28336

Ion Ratio Lower Upper

94 100

96 91.7 69.7 104.5



#6

Chloroethane

Concen: 19.481 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013462.D

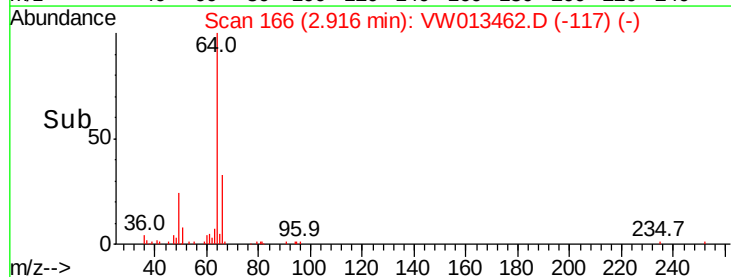
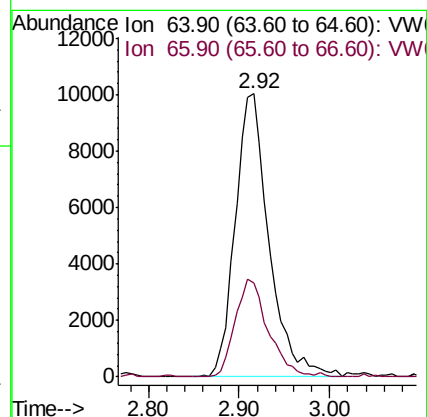
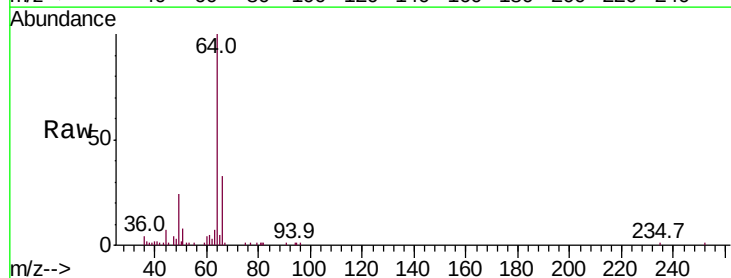
Acq: 07 Oct 2019 14:44

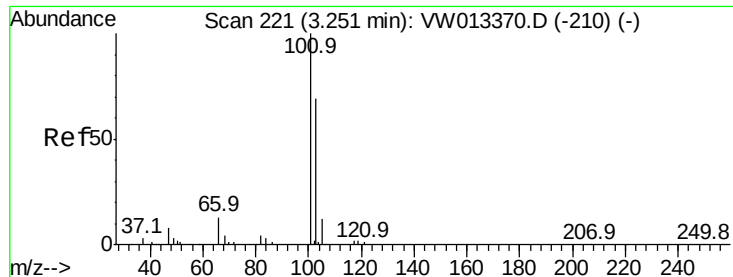
Tgt Ion: 64 Resp: 25912

Ion Ratio Lower Upper

64 100

66 33.4 26.6 39.8



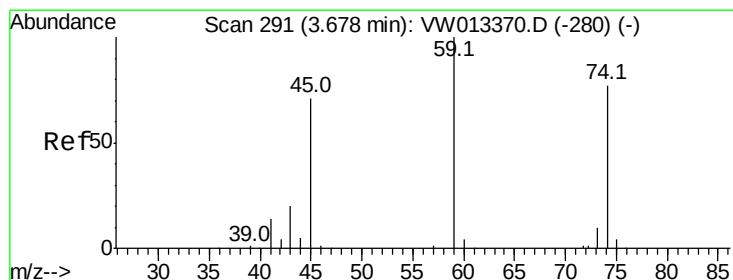
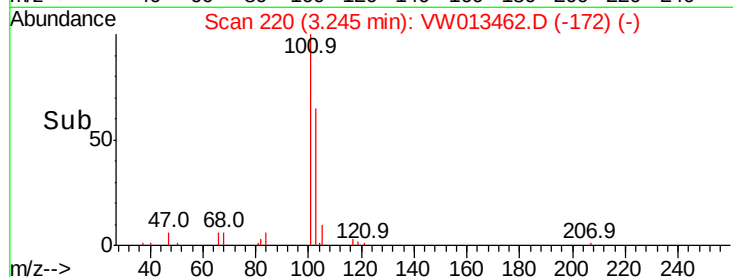
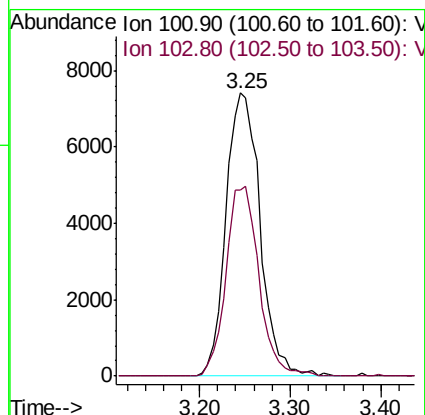
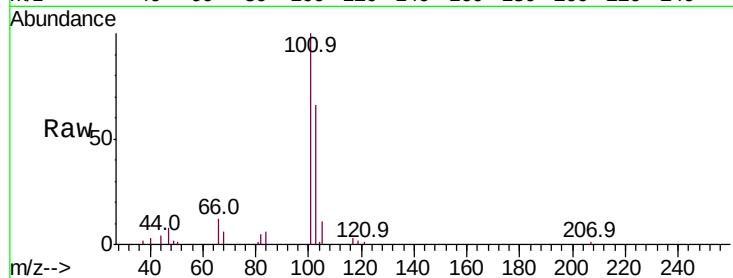


#7

Trichlorofluoromethane
Concen: 19.367 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

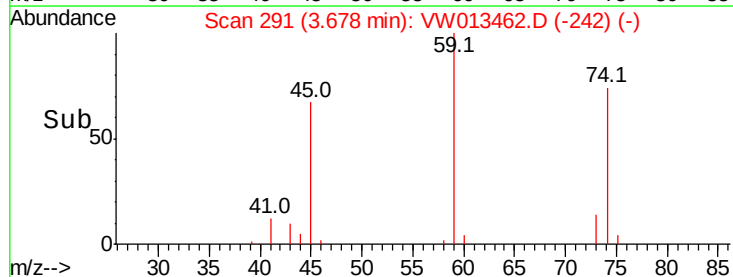
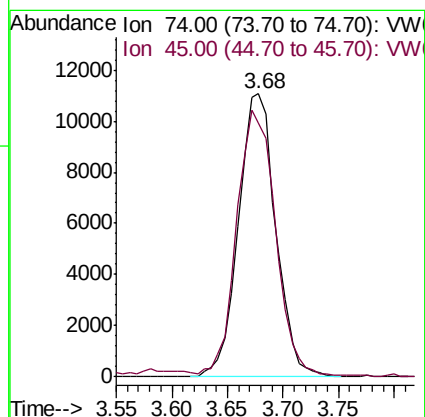
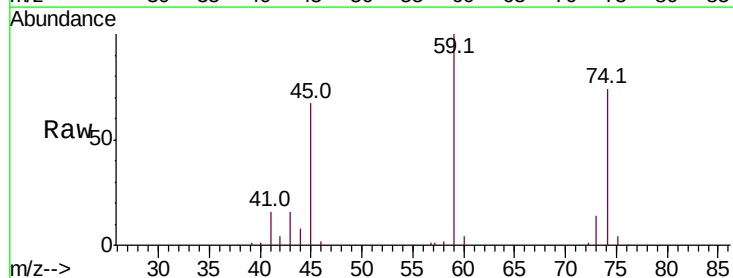
Tot Ion:101 Resp: 19355
Ion Ratio Lower Upper
101 100
103 65.7 49.7 74.5

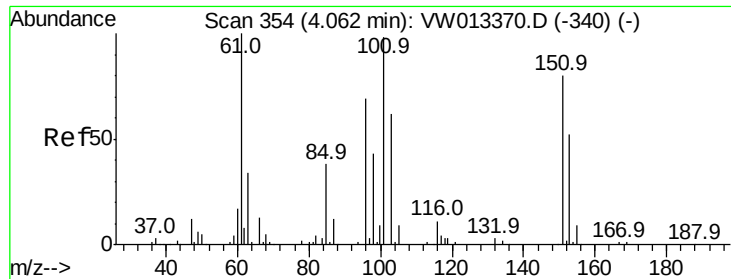


#8

Diethyl Ether
Concen: 22.266 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 74 Resp: 25755
Ion Ratio Lower Upper
74 100
45 96.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.999 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

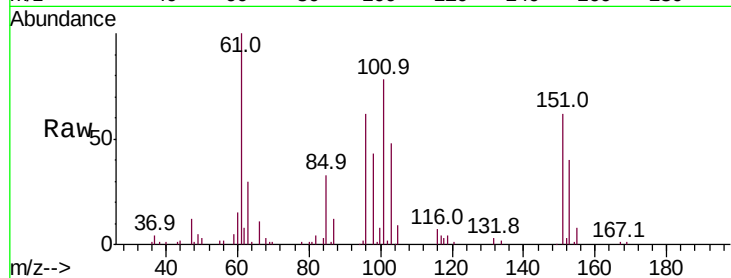
Tot Ion:101 Resp: 46528

Ion Ratio Lower Upper

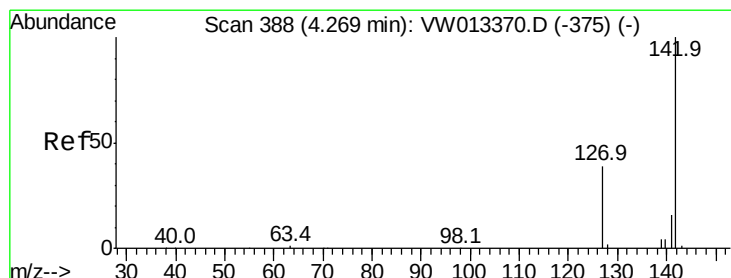
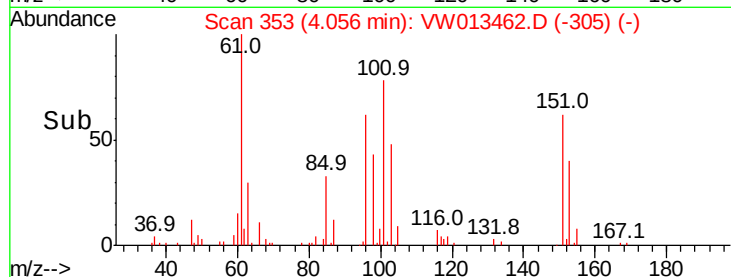
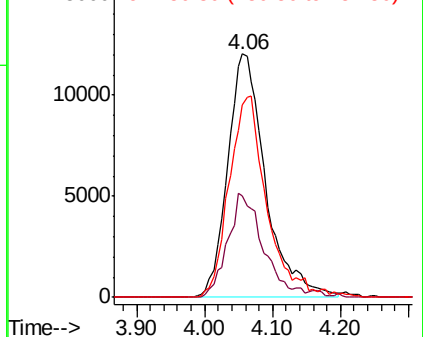
101 100

85 40.0 33.4 50.0

151 81.0 66.9 100.3



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



#10

Methyl Iodide

Concen: 21.007 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

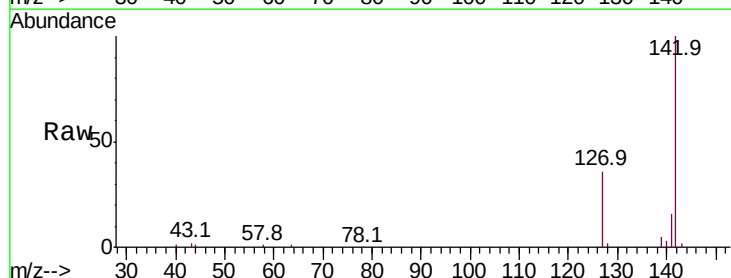
Tgt Ion:142 Resp: 75168

Ion Ratio Lower Upper

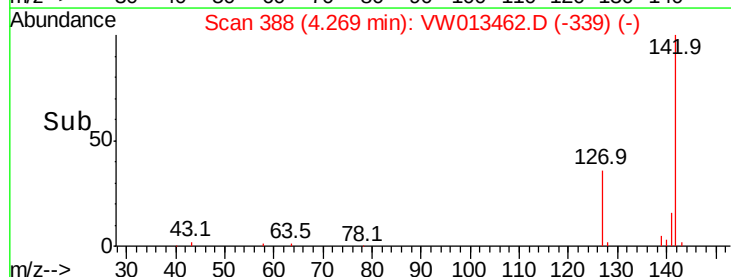
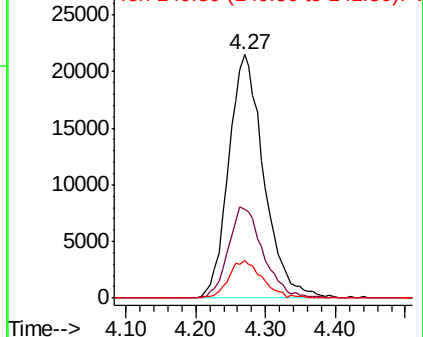
142 100

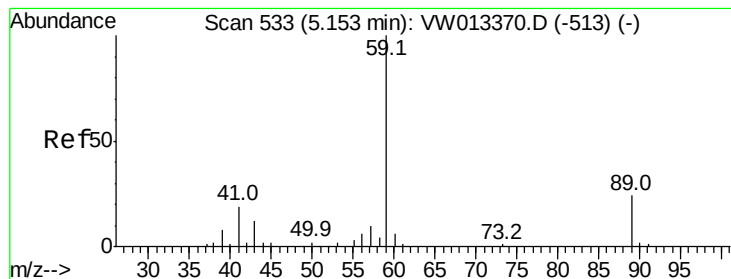
127 37.1 30.9 46.3

141 14.8 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



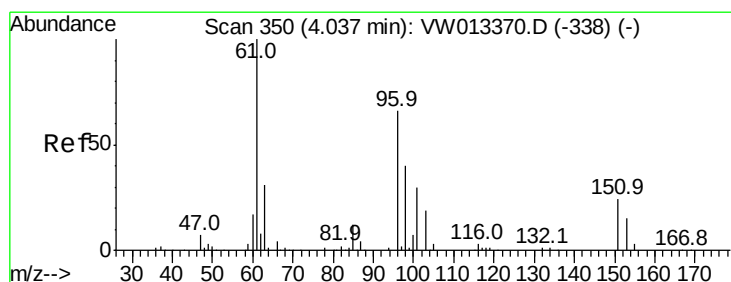
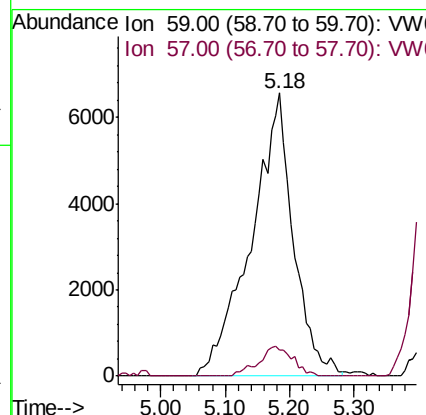
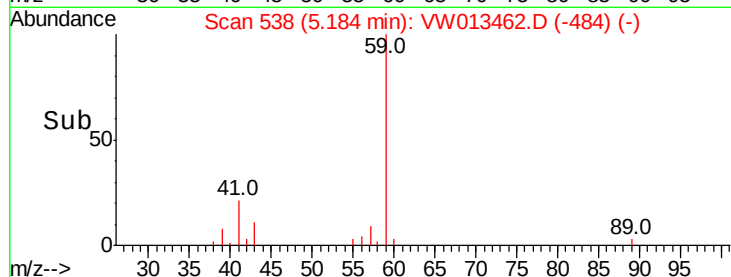
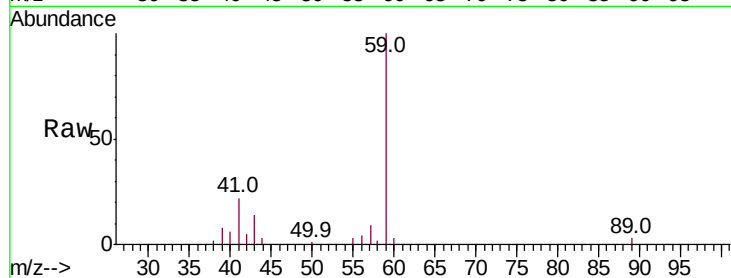


#11

Tert butyl alcohol
 Concen: 186.282 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.03 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

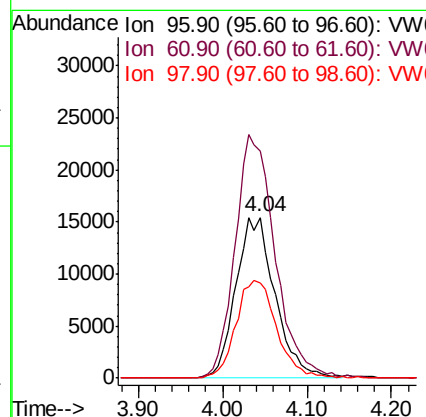
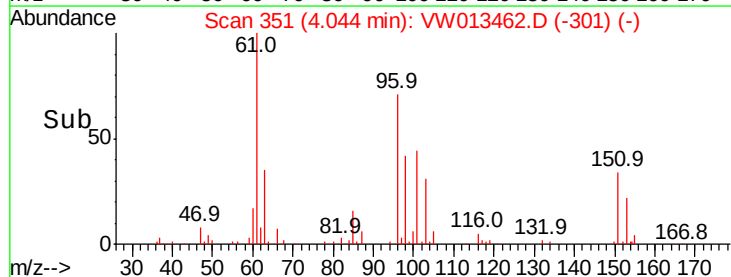
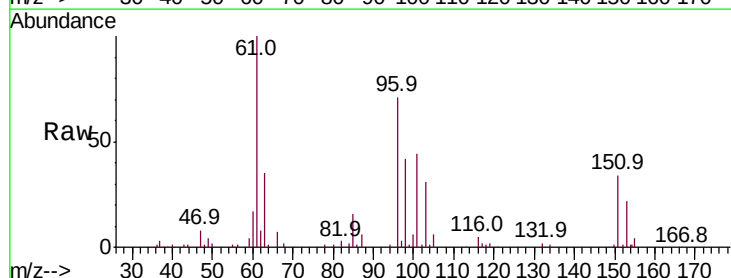
Tot Ion: 59 Resp: 29889
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.2 12.2

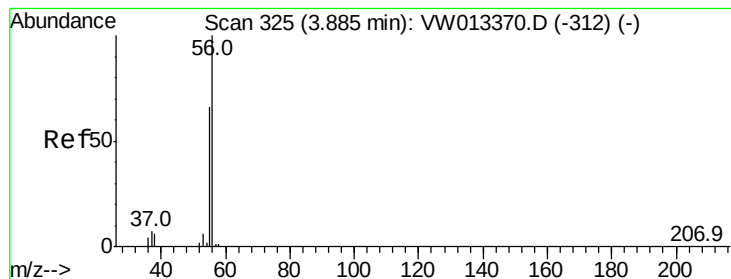


#12

1,1-Dichloroethene
 Concen: 20.861 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion: 96 Resp: 48836
 Ion Ratio Lower Upper
 96 100
 61 141.2 125.1 187.7
 98 59.0 50.8 76.2





#13

Acrolein

Concen: 121.650 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

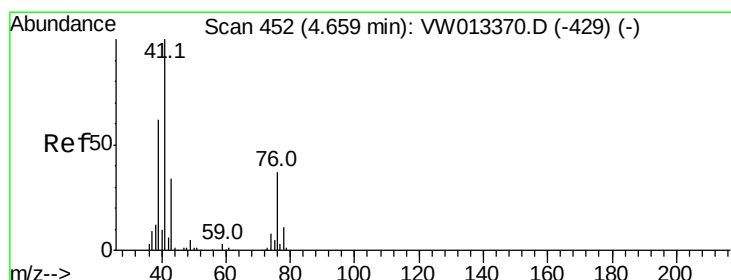
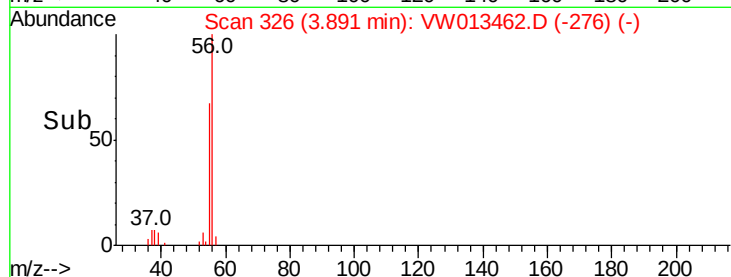
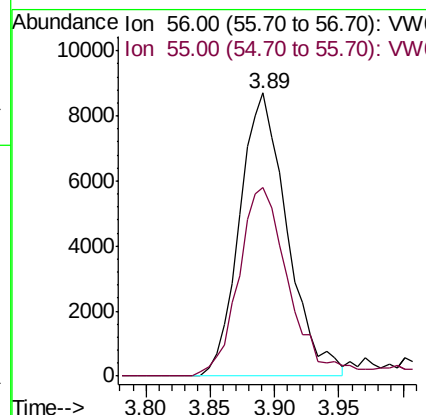
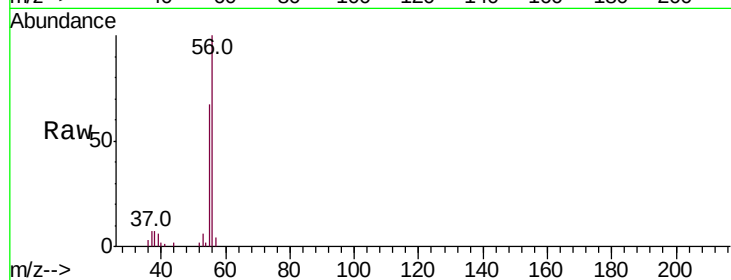
VW1007SBSD01

Tot Ion: 56 Resp: 22266

Ion Ratio Lower Upper

56 100

55 70.3 55.4 83.0



#14

Allyl chloride

Concen: 21.171 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

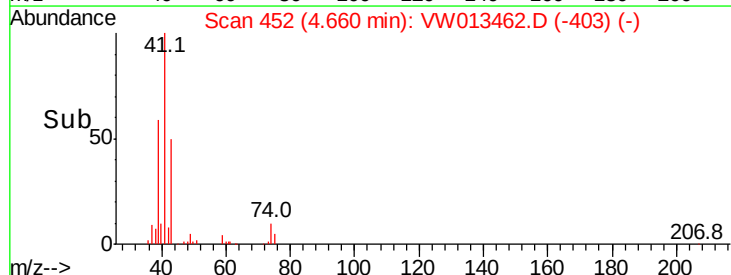
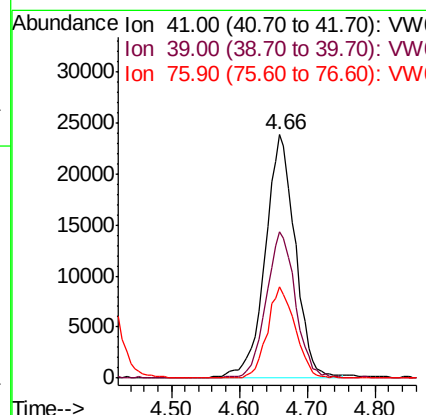
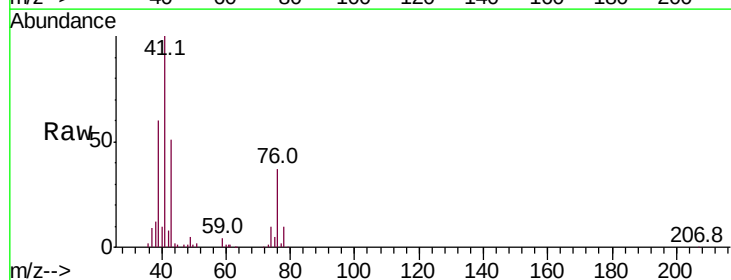
Tgt Ion: 41 Resp: 73316

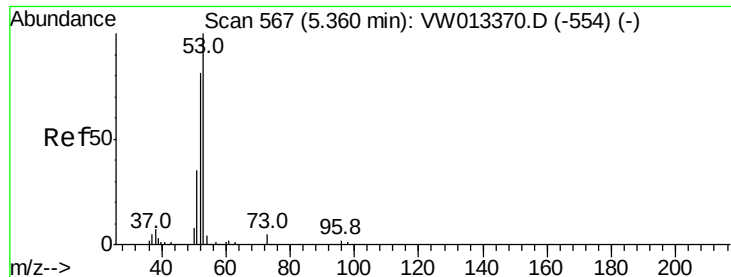
Ion Ratio Lower Upper

41 100

39 58.8 51.0 76.4

76 34.8 28.4 42.6





#15

Acrylonitrile

Concen: 139.645 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

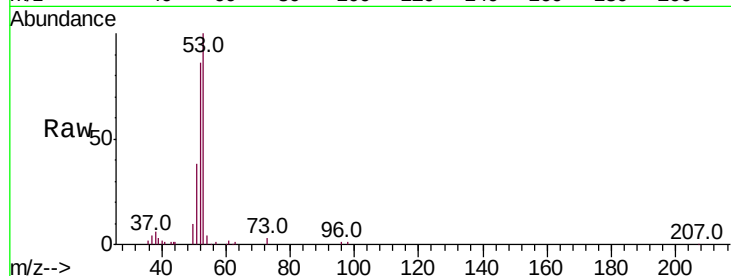
Tot Ion: 53 Resp: 73021

Ion Ratio Lower Upper

53 100

52 82.4 65.3 97.9

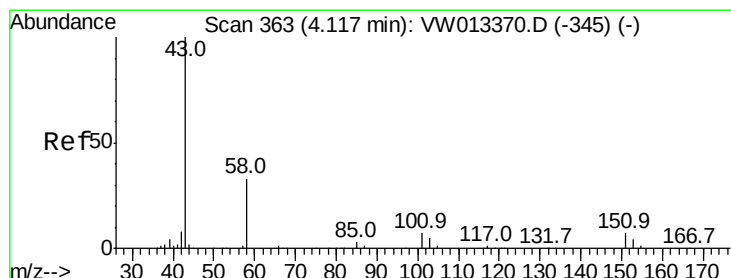
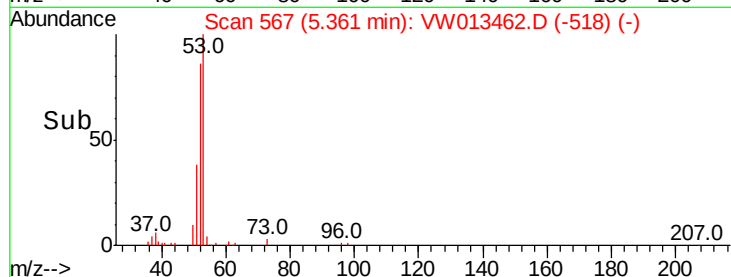
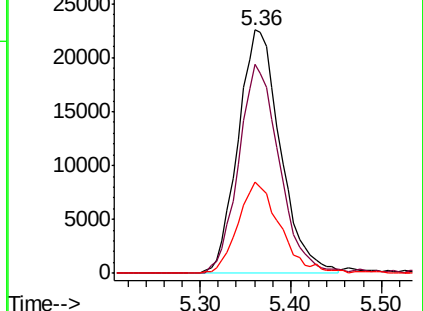
51 37.2 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 106.613 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013462.D

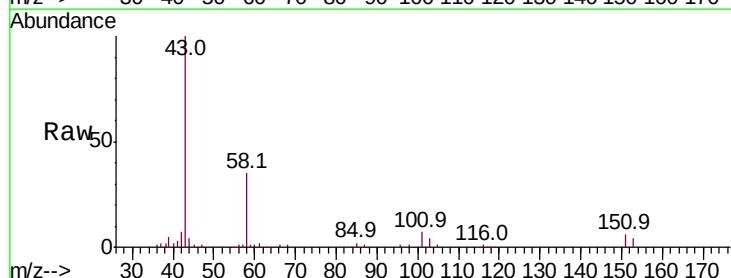
Acq: 07 Oct 2019 14:44

Tgt Ion: 43 Resp: 62051

Ion Ratio Lower Upper

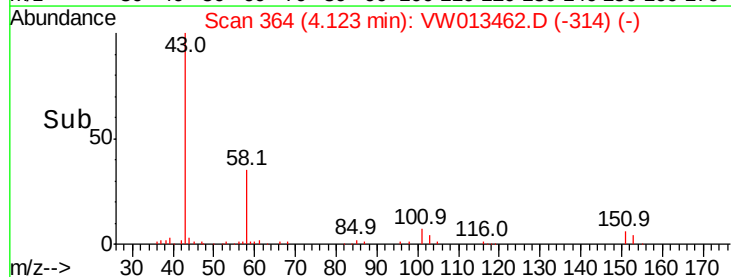
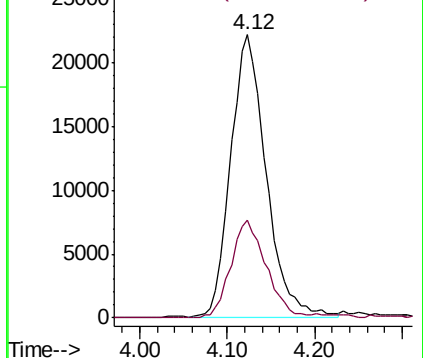
43 100

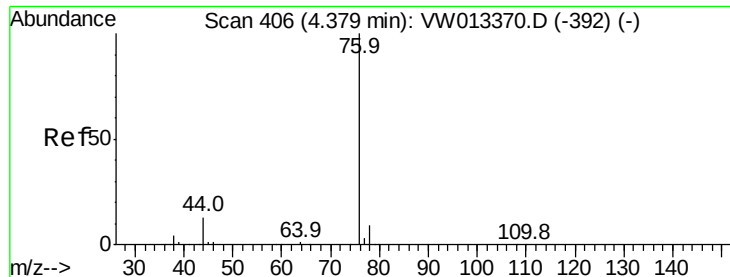
58 34.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

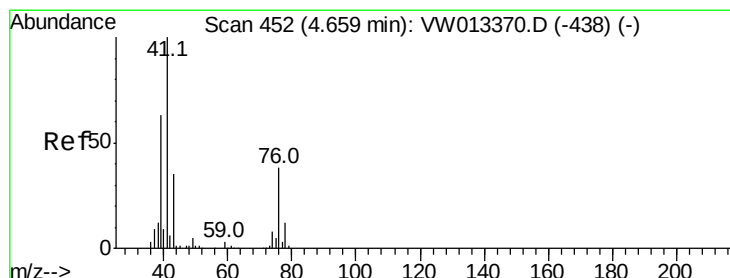
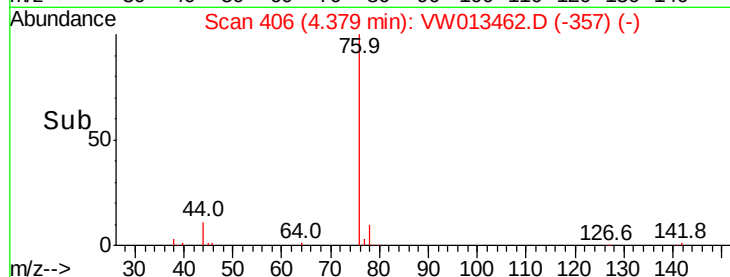
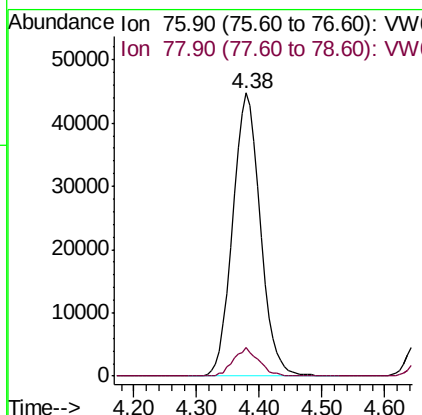
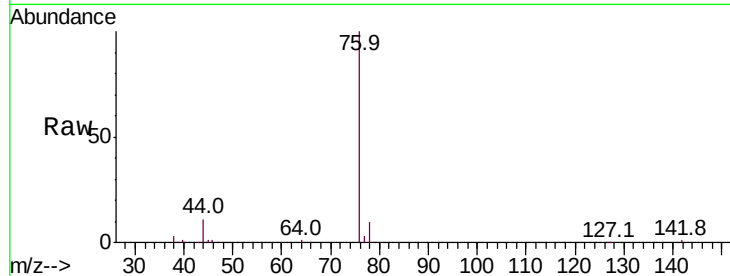




#17
Carbon Disulfide
Concen: 20.906 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

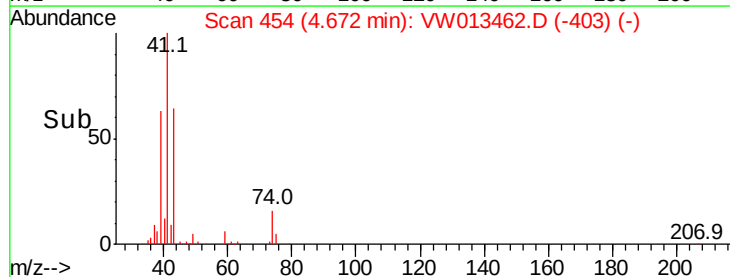
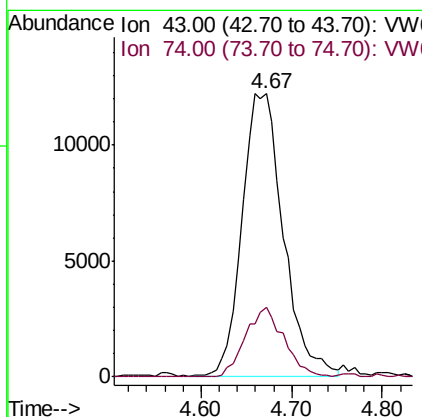
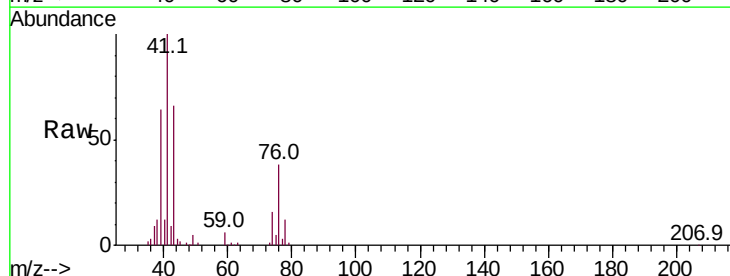
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

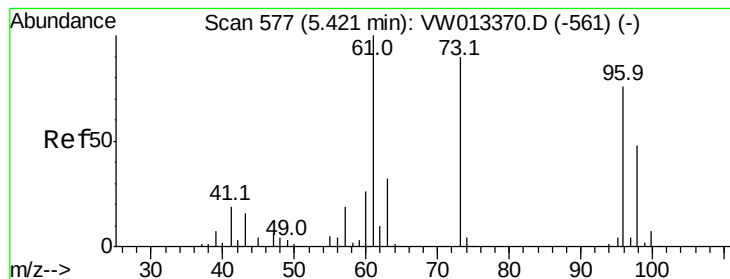
Tot Ion: 76 Resp: 136528
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.4



#18
Methyl Acetate
Concen: 28.458 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 43 Resp: 38767
Ion Ratio Lower Upper
43 100
74 22.7 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 24.397 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

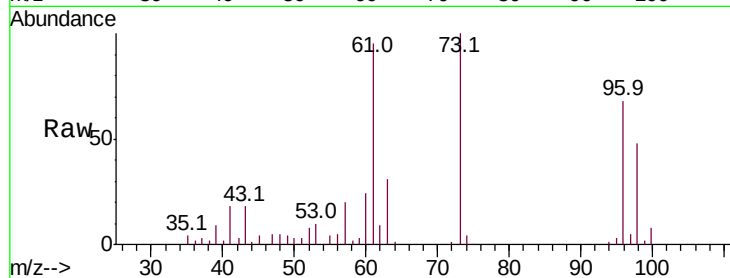
VW1007SBS01

Tot Ion: 73 Resp: 84058

Ion Ratio Lower Upper

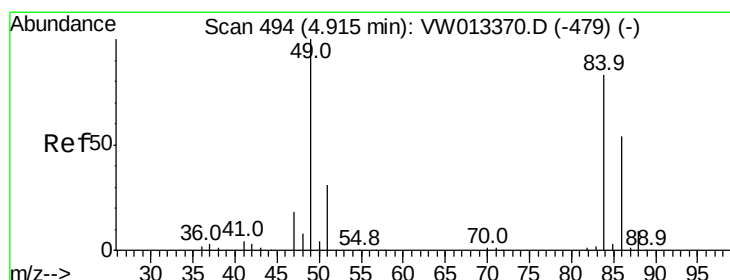
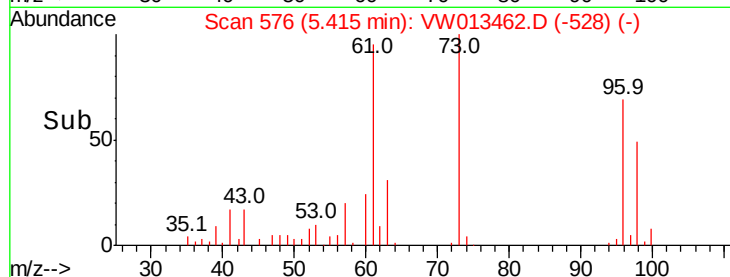
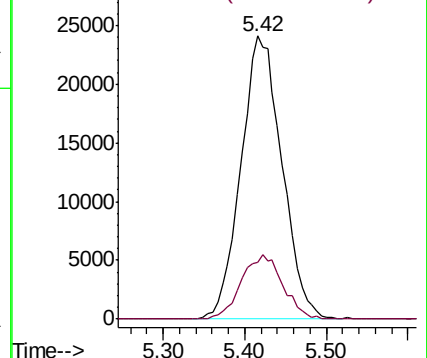
73 100

57 19.9 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 21.884 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Tgt Ion: 84 Resp: 55619

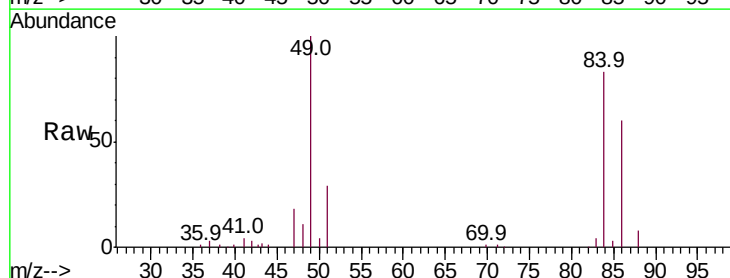
Ion Ratio Lower Upper

84 100

49 120.5 97.6 146.4

51 35.1 30.2 45.2

86 72.2 50.6 76.0

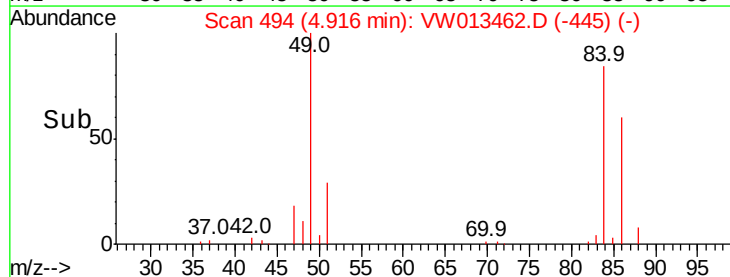
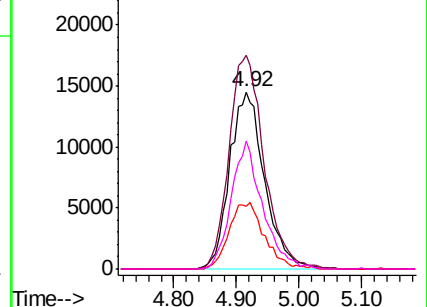


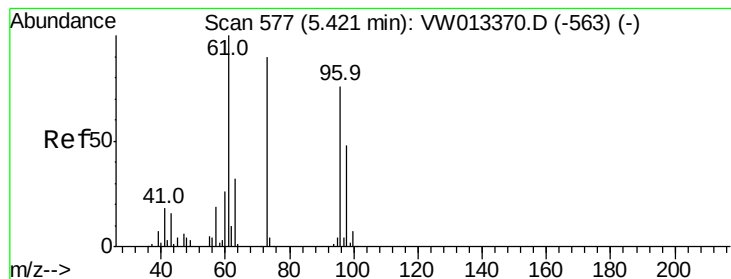
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 20.455 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

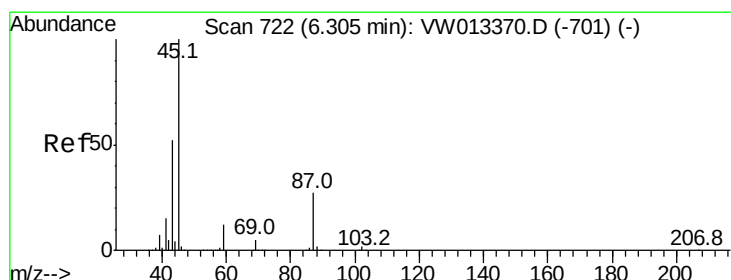
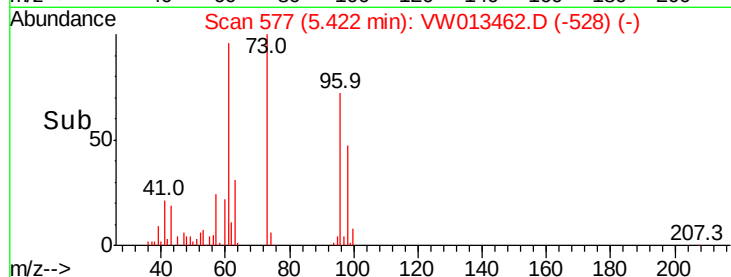
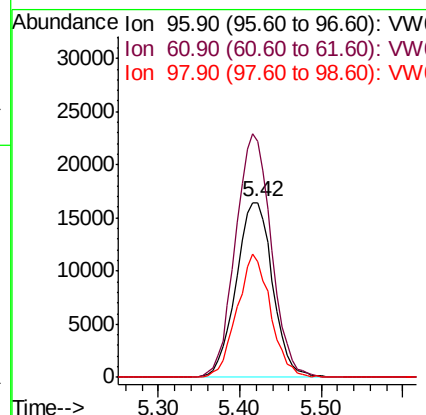
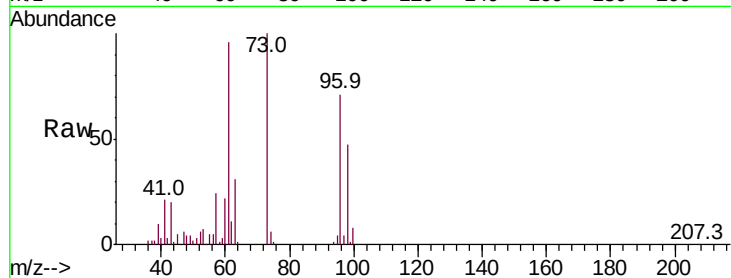
Tot Ion: 96 Resp: 50994

Ion Ratio Lower Upper

96 100

61 134.5 106.6 159.8

98 65.7 49.8 74.8



#22

Diisopropyl ether

Concen: 21.759 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Tgt Ion: 45 Resp: 145518

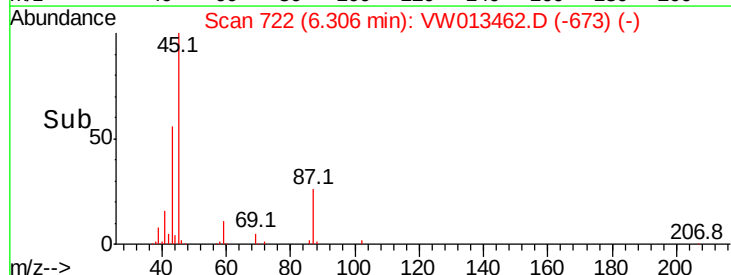
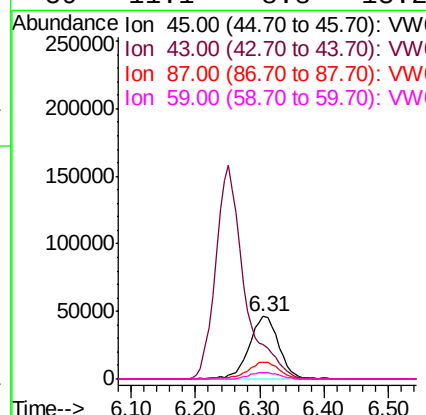
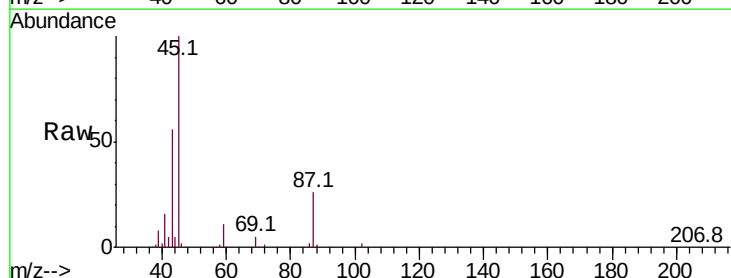
Ion Ratio Lower Upper

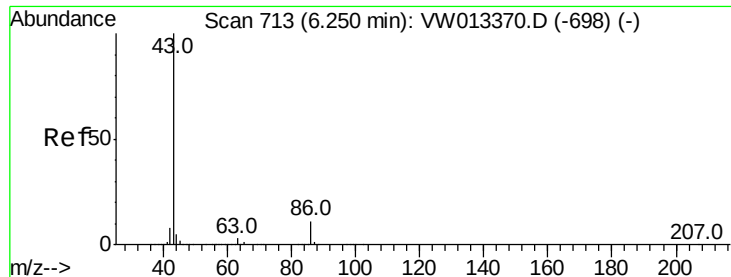
45 100

43 55.1 42.4 63.6

87 26.2 20.4 30.6

59 11.1 8.8 13.2





#23

Vinyl Acetate

Concen: 123.820 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

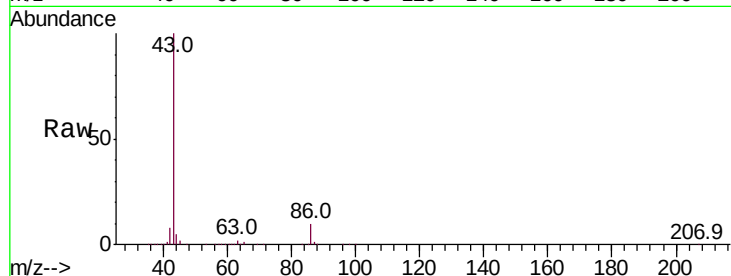
VW1007SBSD01

Tot Ion: 43 Resp: 496889

Ion Ratio Lower Upper

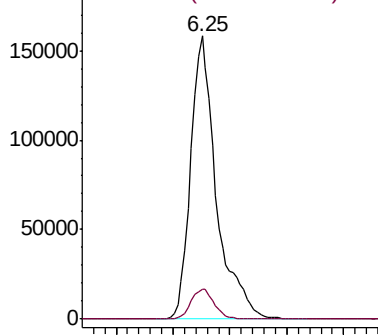
43 100

86 10.4 8.3 12.5

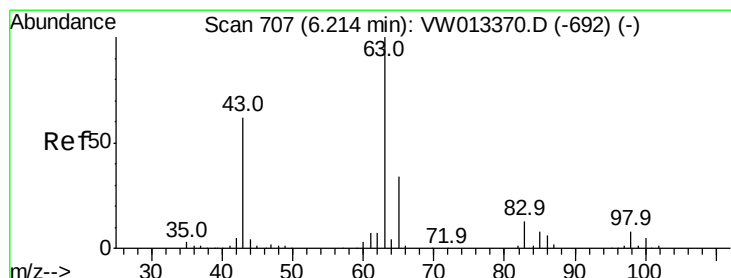
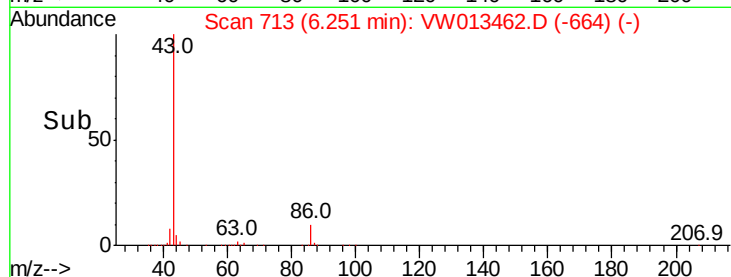


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.725 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

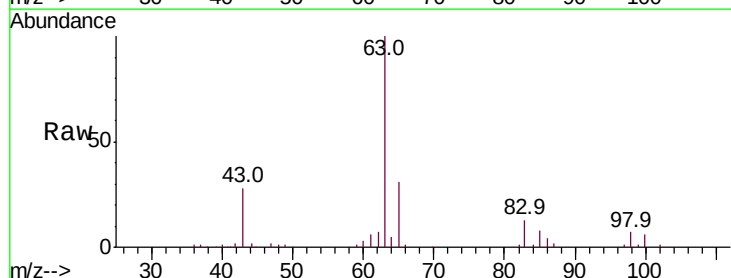
Tgt Ion: 63 Resp: 84423

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

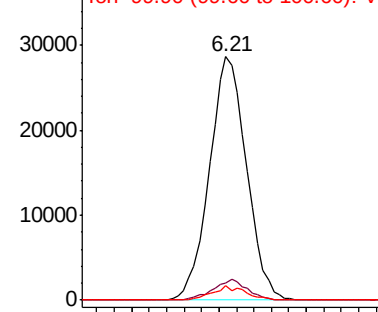
100 5.8 2.4 7.1



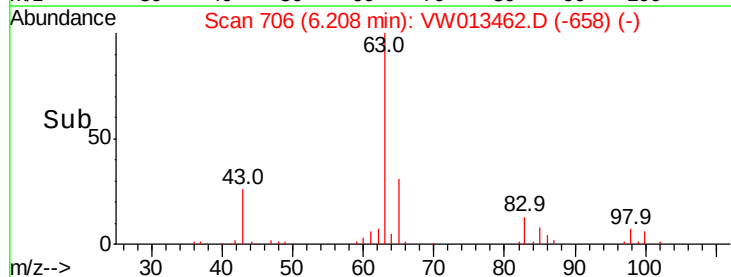
Abundance Ion 62.90 (62.60 to 63.60): VW

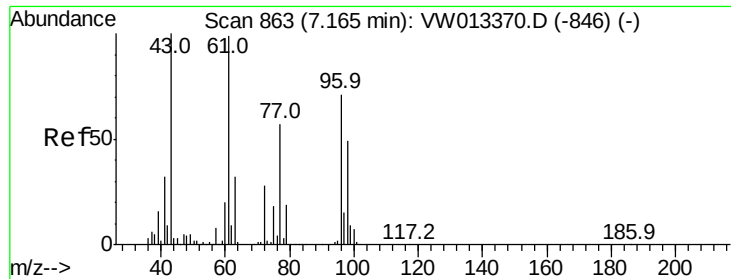
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 136.237 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

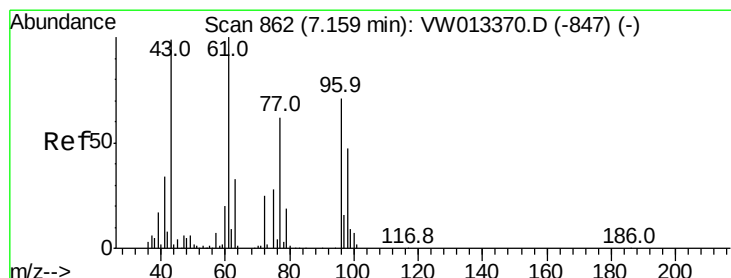
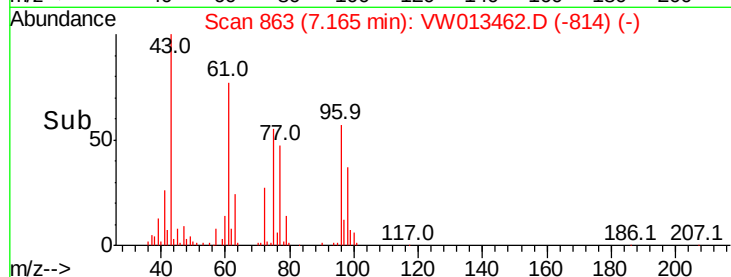
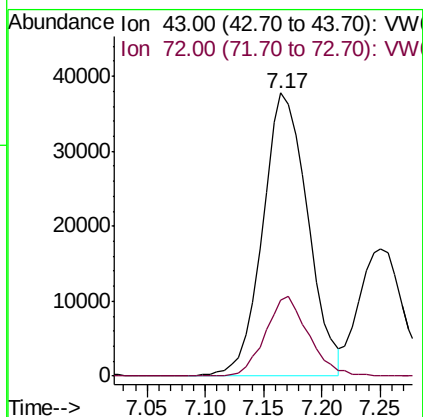
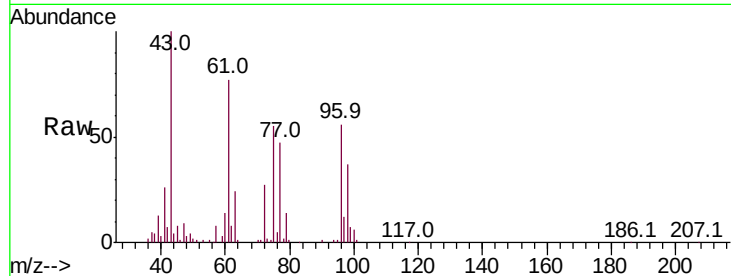
VW1007SBSD01

Tot Ion: 43 Resp: 101461

Ion Ratio Lower Upper

43 100

72 26.9 19.4 29.0



#26

2,2-Dichloropropane

Concen: 23.292 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013462.D

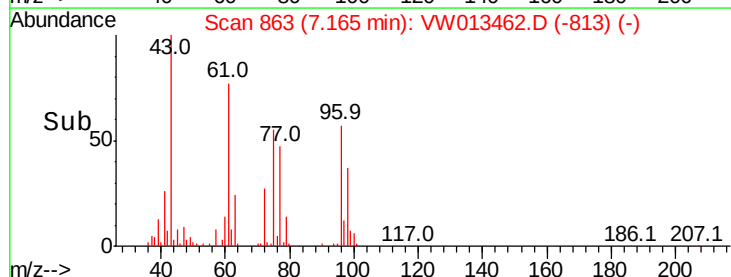
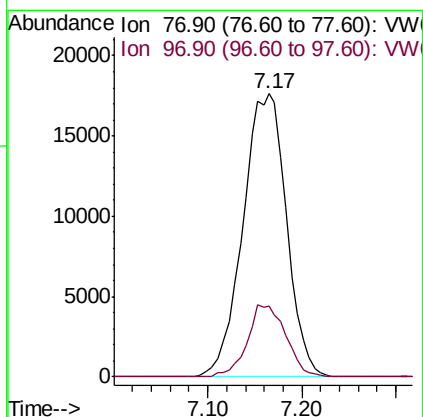
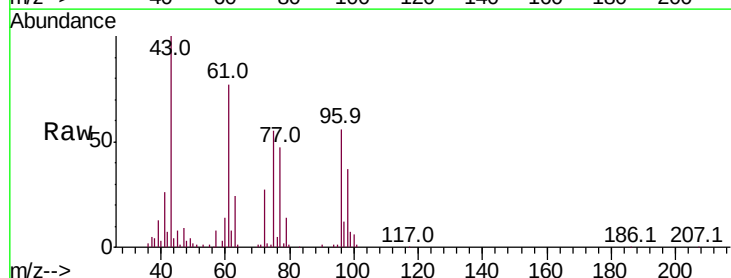
Acq: 07 Oct 2019 14:44

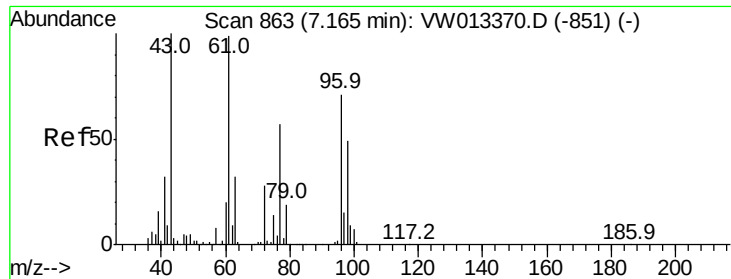
Tgt Ion: 77 Resp: 56984

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.4



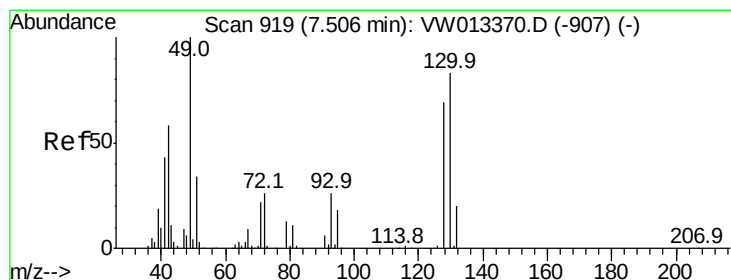
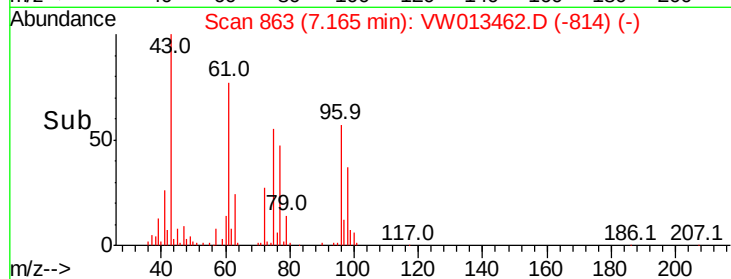
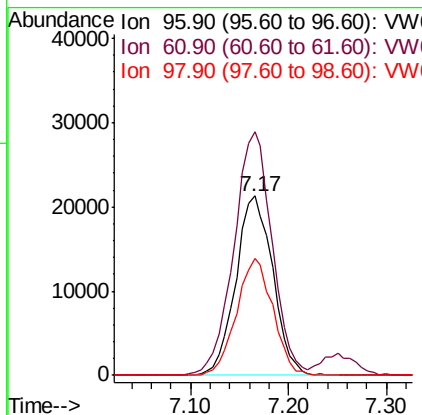
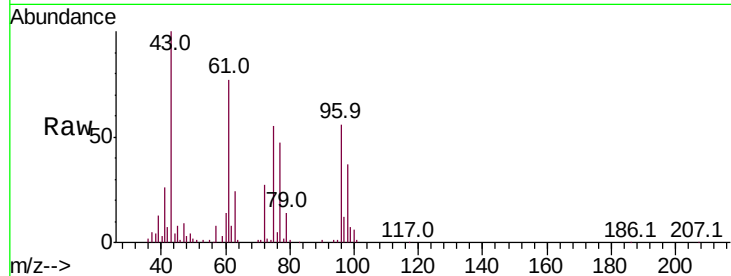


#27

cis-1,2-Dichloroethene
 Concen: 21.428 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

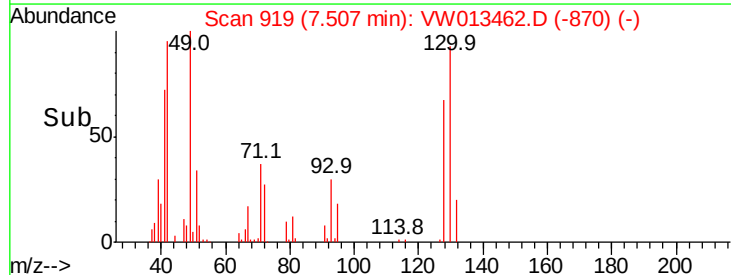
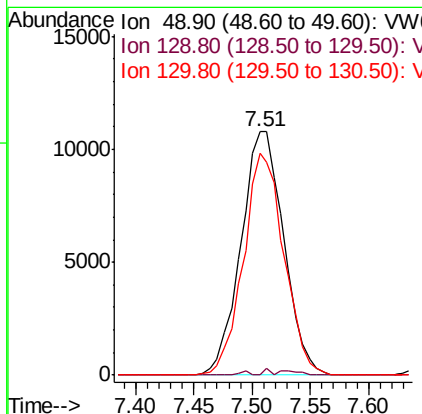
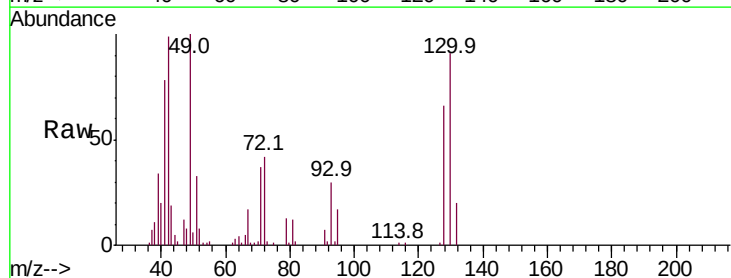
Tot Ion	96	Resp	55917
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	282.4
98	64.2	0.0	128.2

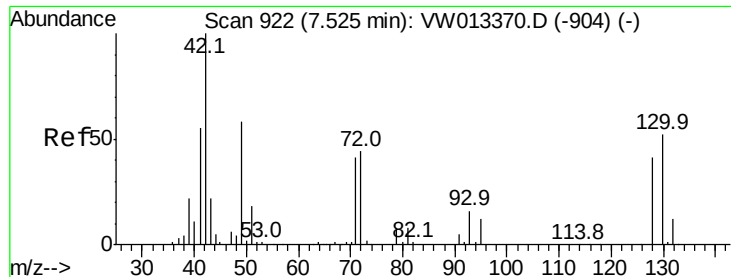


#28

Bromochloromethane
 Concen: 18.683 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion	49	Resp	27516
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.0
130	86.1	63.4	95.2





#29

Tetrahydrofuran

Concen: 154.140 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

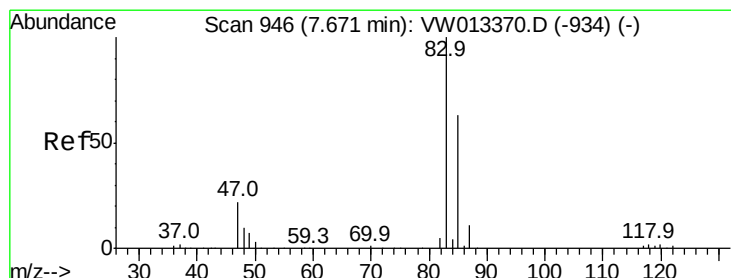
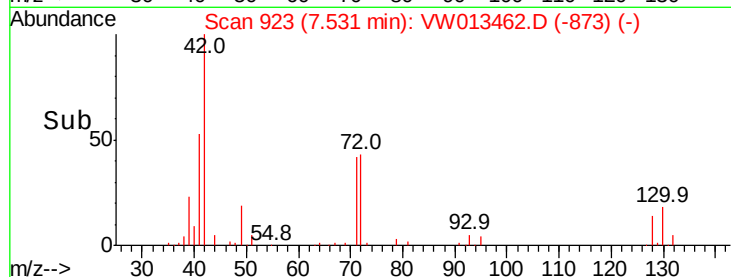
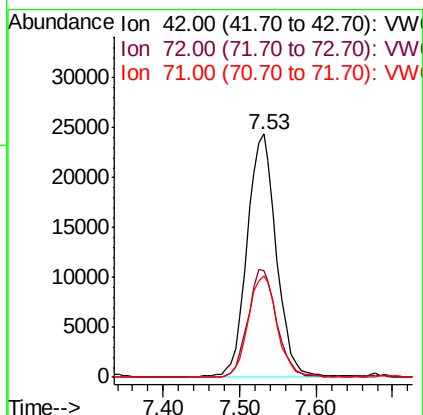
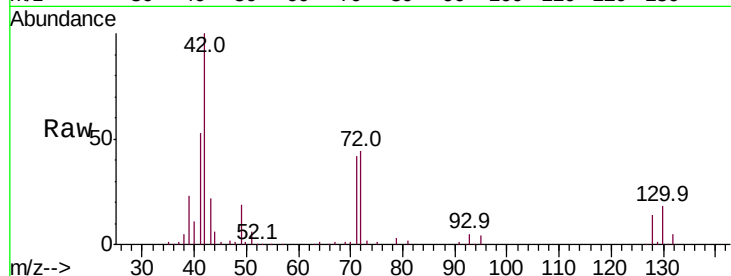
Tot Ion: 42 Resp: 65094

Ion Ratio Lower Upper

42 100

72 43.5 33.9 50.9

71 41.2 31.9 47.9



#30

Chloroform

Concen: 20.318 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013462.D

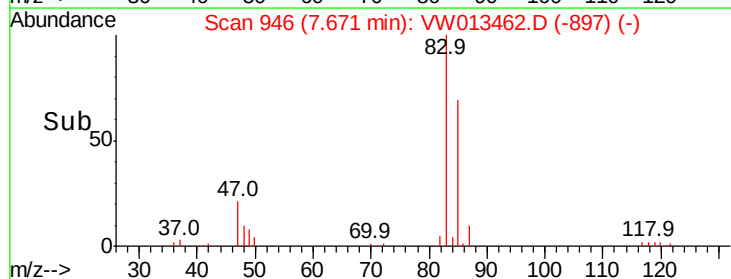
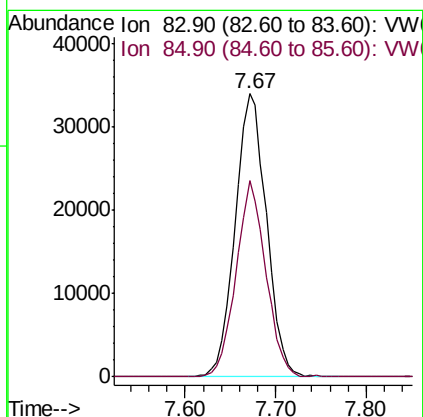
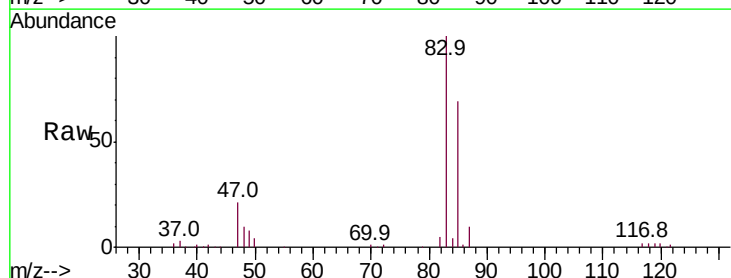
Acq: 07 Oct 2019 14:44

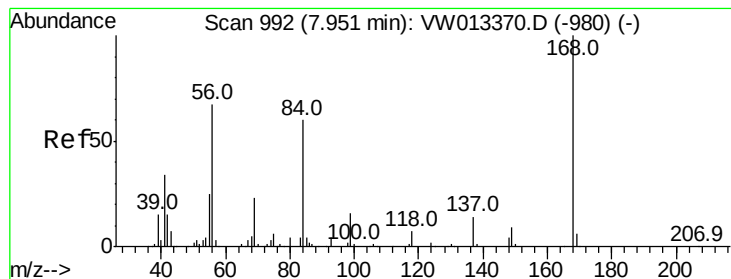
Tgt Ion: 83 Resp: 81157

Ion Ratio Lower Upper

83 100

85 69.5 52.3 78.5





#31

Cyclohexane

Concen: 20.253 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

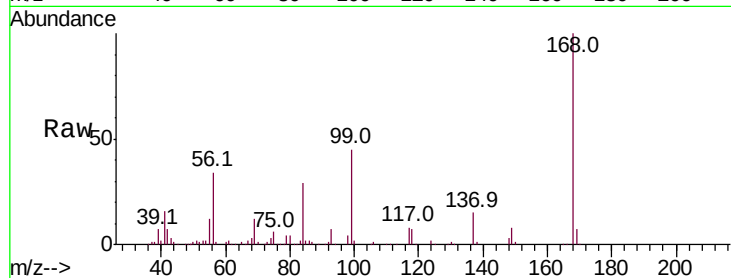
Tot Ion: 56 Resp: 87983

Ion Ratio Lower Upper

56 100

69 36.1 27.2 40.8

84 84.1 70.8 106.2

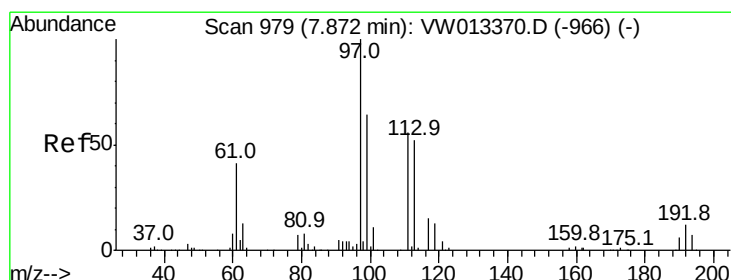
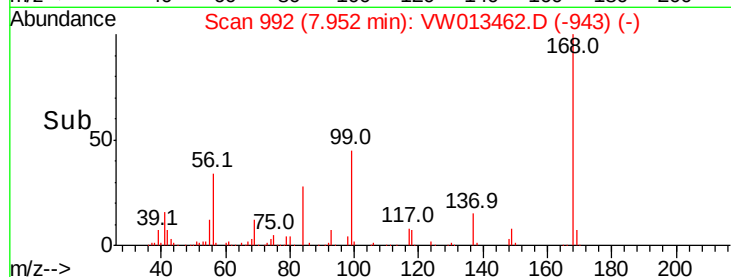
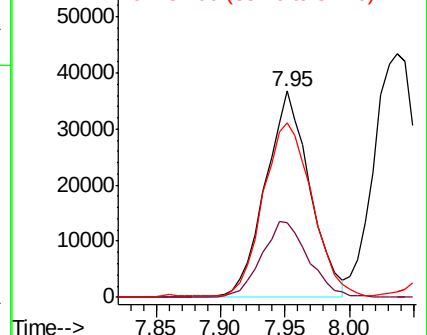


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.442 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

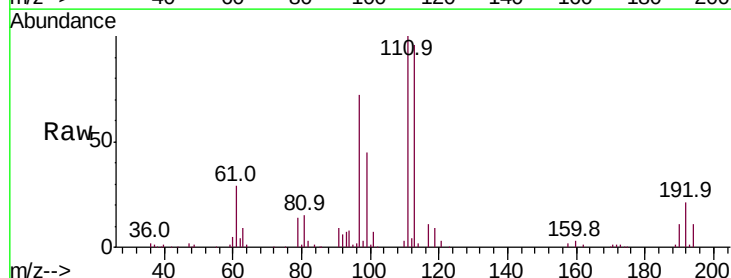
Tgt Ion: 97 Resp: 67096

Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

61 40.8 34.6 51.8

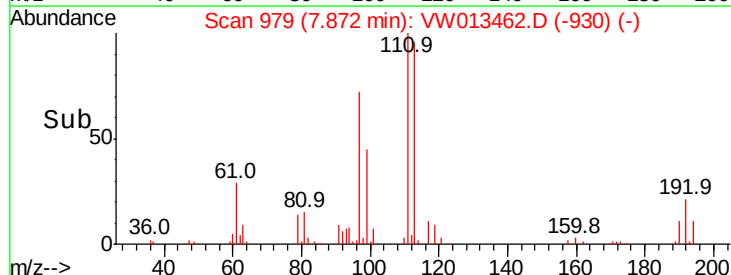
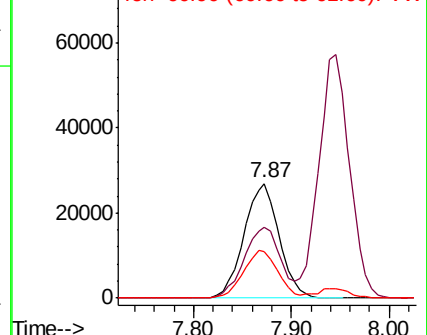


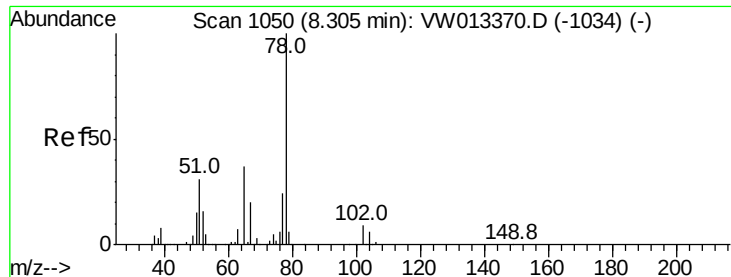
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 55.640 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

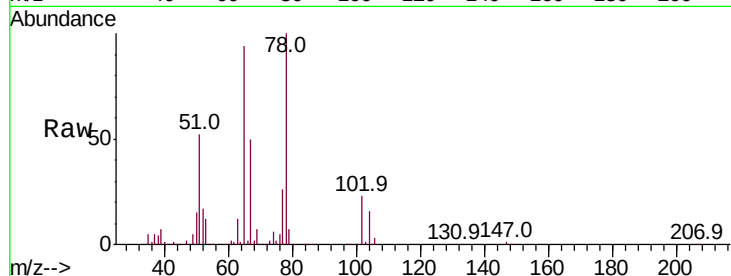
VW1007SBSD01

Tot Ion: 65 Resp: 105650

Ion Ratio Lower Upper

65 100

67 54.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

50000

40000

30000

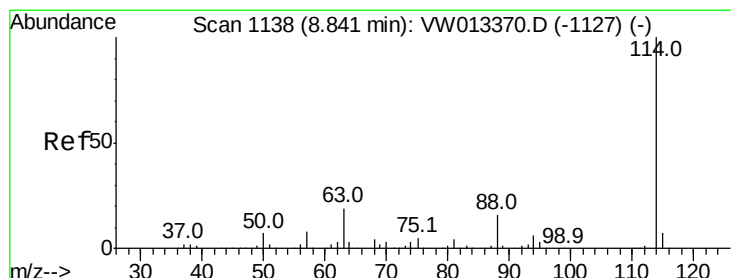
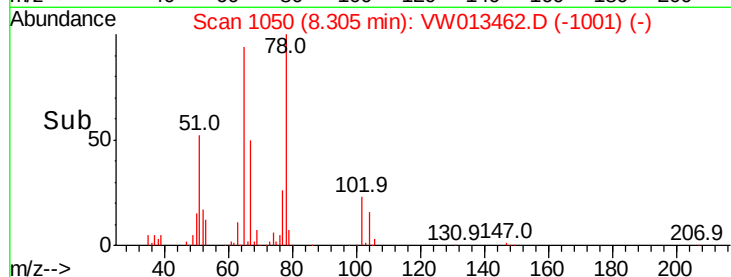
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

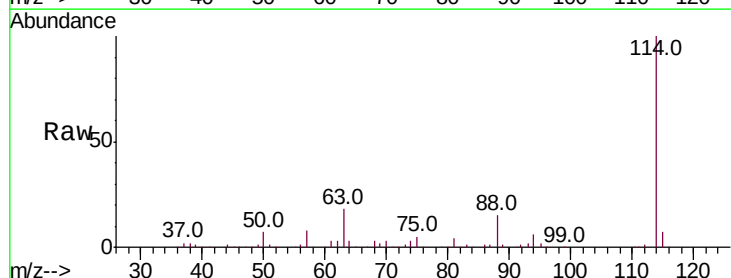
Tgt Ion: 114 Resp: 368264

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.4

88 14.9 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

150000

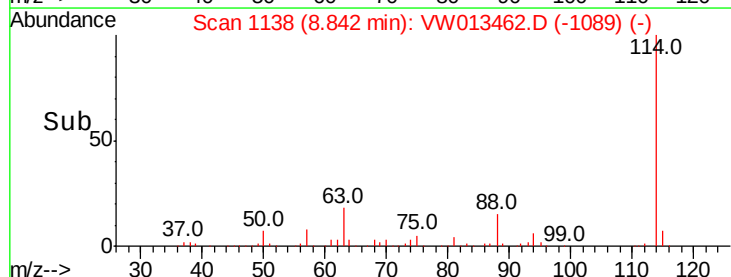
100000

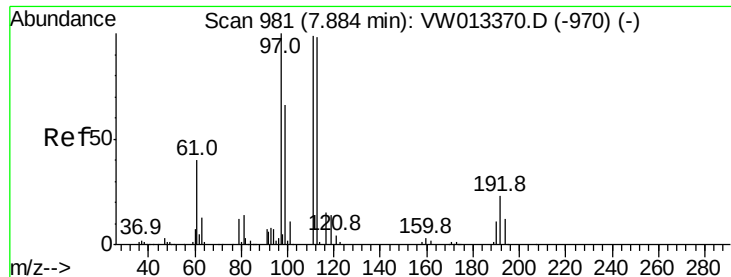
50000

0

8.70 8.80 8.90

Time-->





#35

Dibromofluoromethane

Concen: 53.430 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

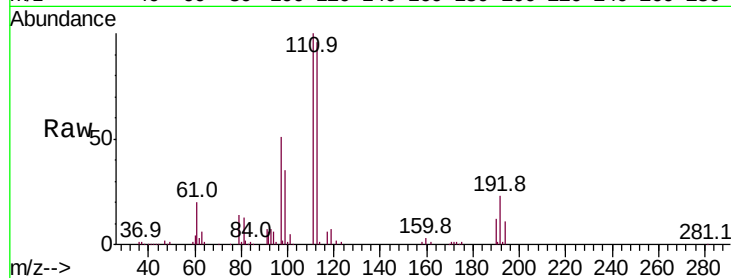
Tot Ion:113 Resp: 103247

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

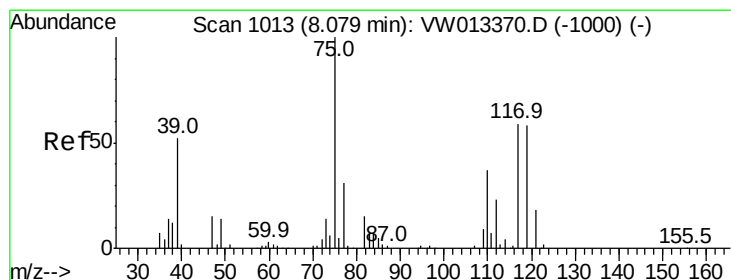
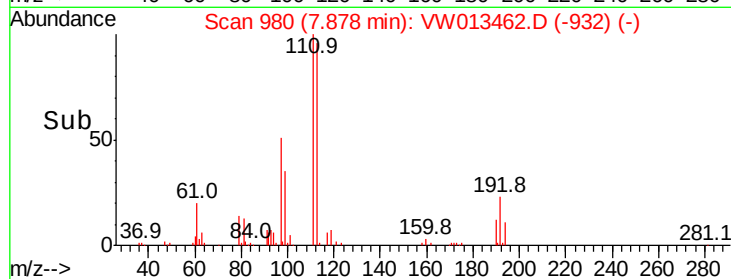
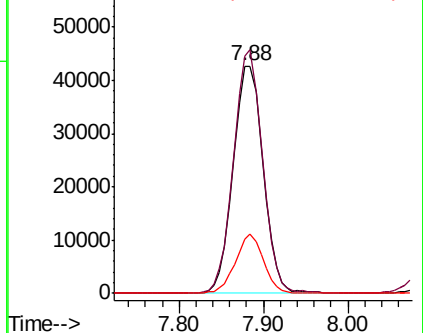
192 24.3 19.1 28.7



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: 20.918 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

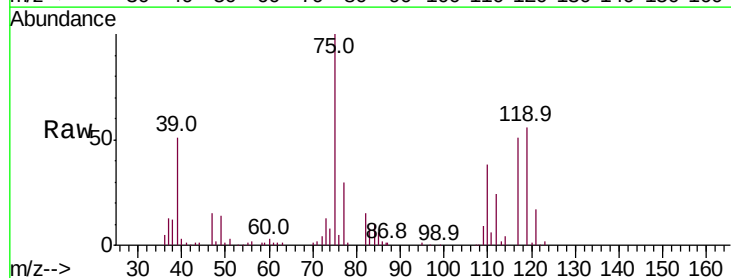
Tgt Ion: 75 Resp: 71549

Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.3

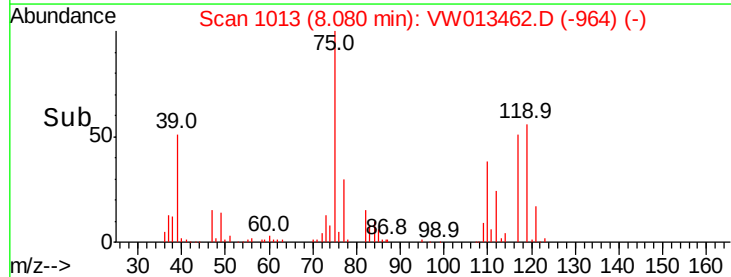
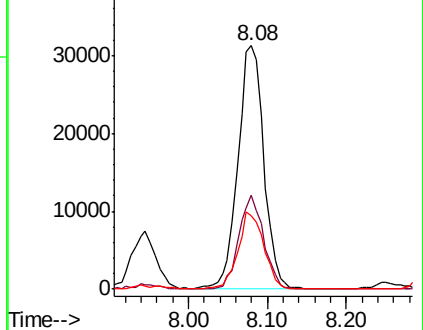
77 31.5 25.8 38.6

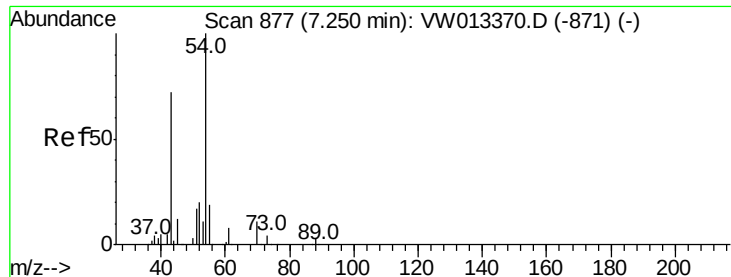


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

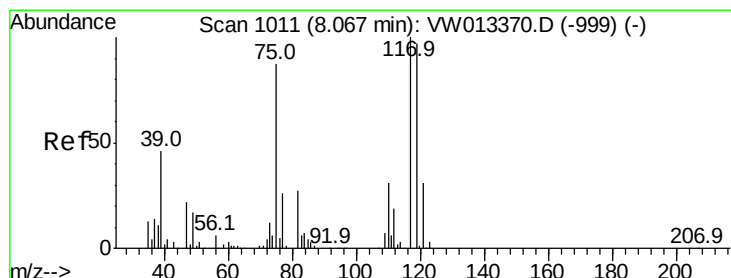
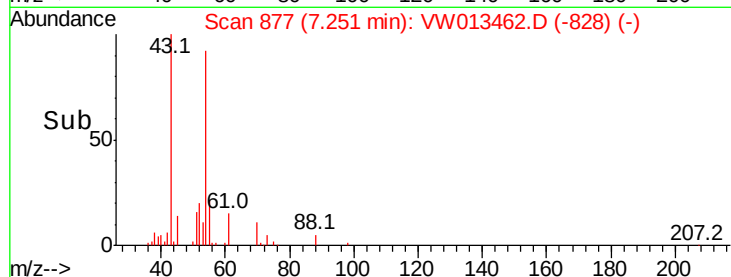
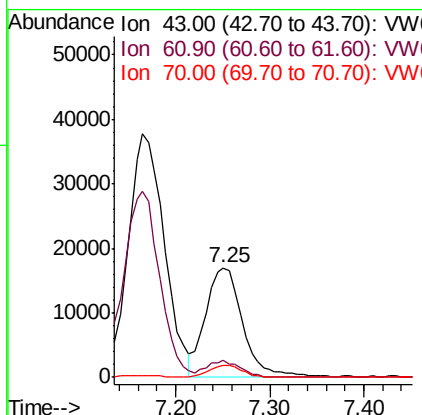
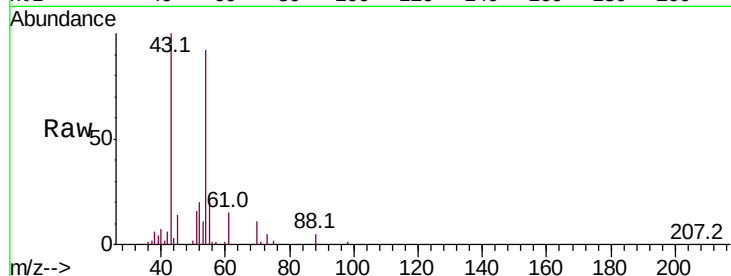




#37
Ethyl Acetate
Concen: 30.277 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

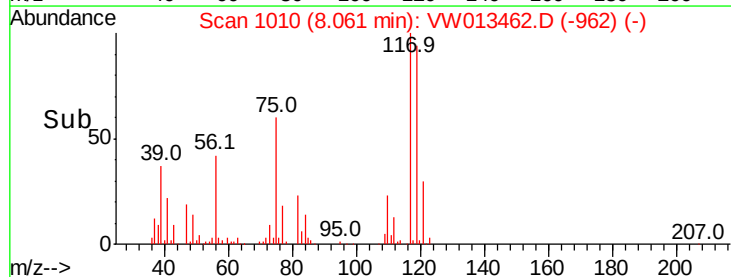
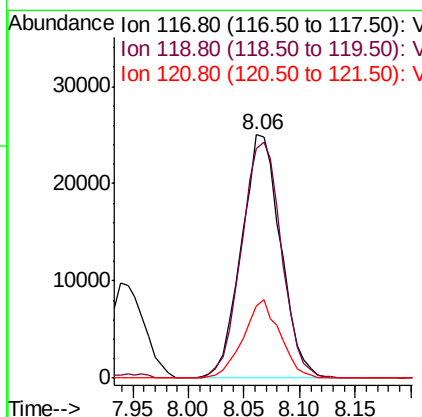
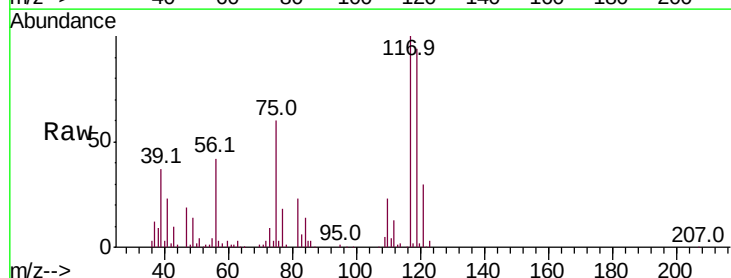
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

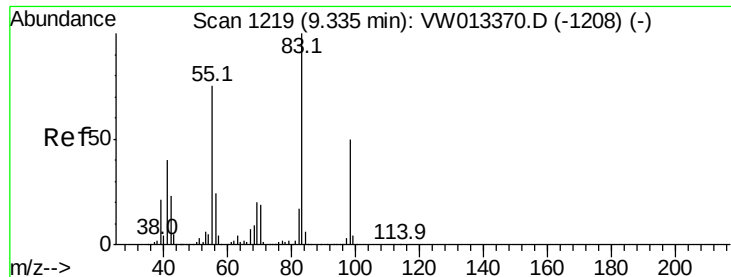
Tot Ion: 43 Resp: 45617
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.784 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 117 Resp: 61583
Ion Ratio Lower Upper
117 100
119 94.3 73.5 110.3
121 29.8 25.0 37.6

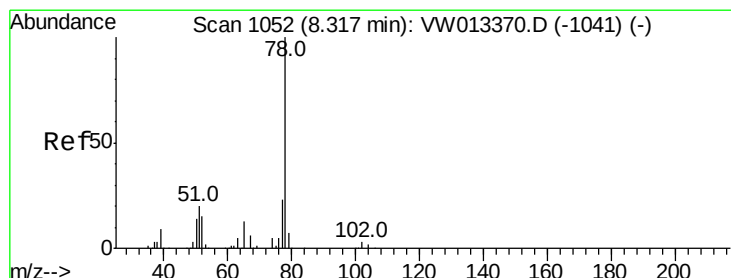
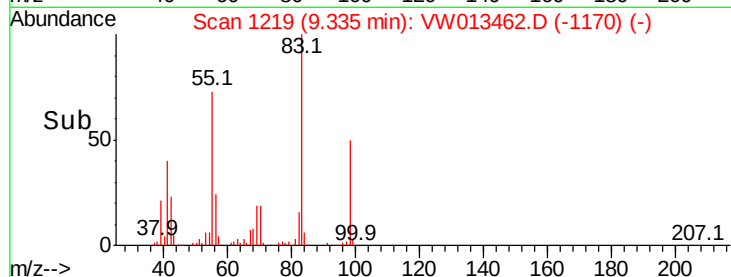
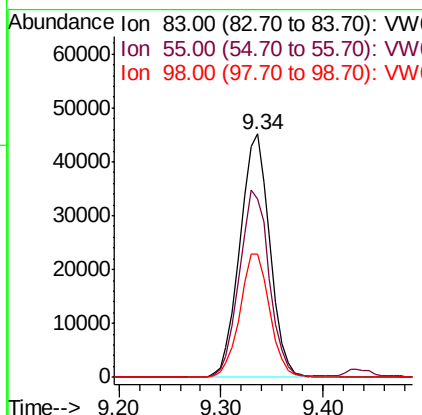
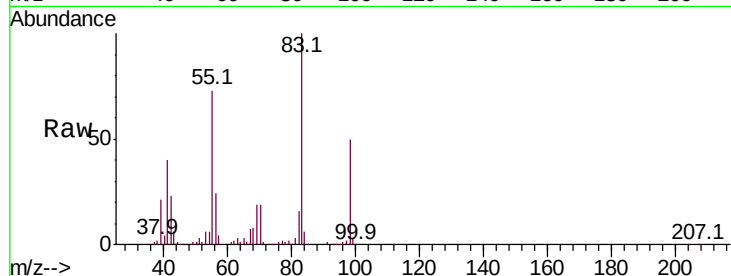




#39
Methylvlcyclohexane
Concen: 20.440 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

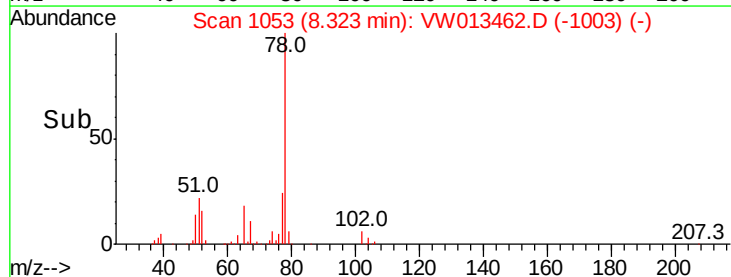
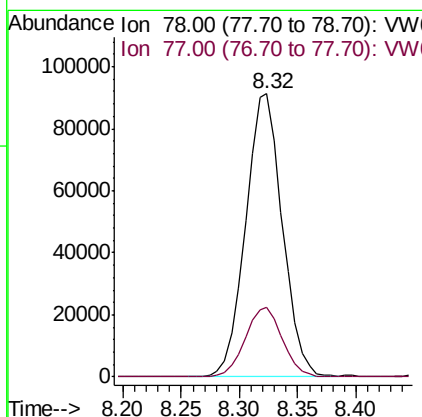
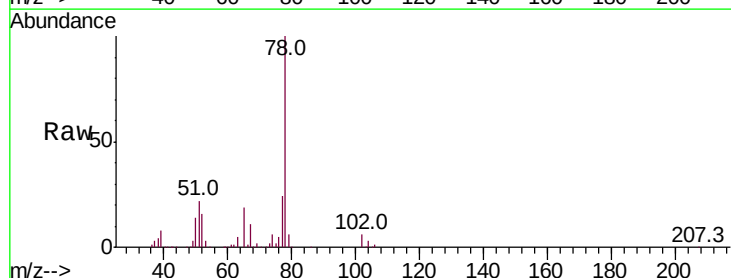
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

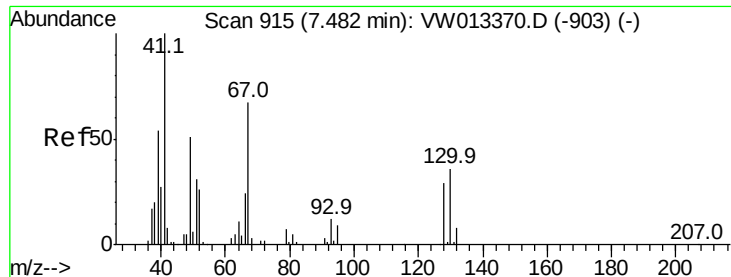
Tot Ion: 83 Resp: 92075
Ion Ratio Lower Upper
83 100
55 73.5 60.4 90.6
98 50.4 40.0 60.0



#40
Benzene
Concen: 20.681 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 78 Resp: 200246
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7

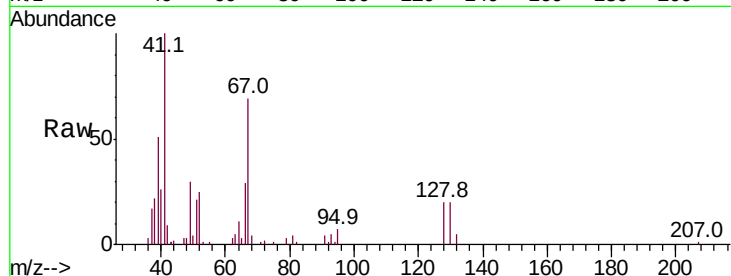




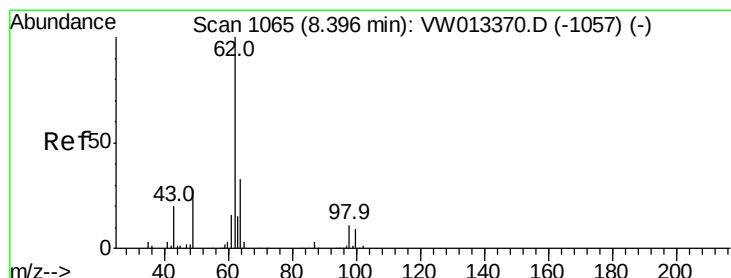
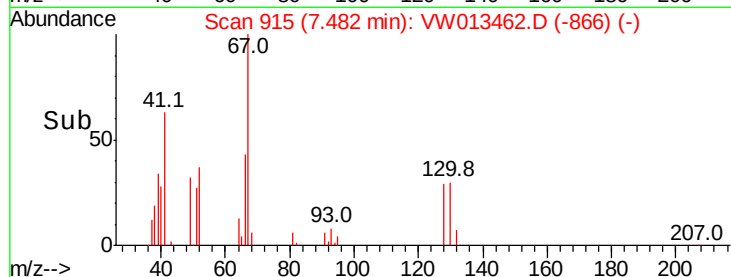
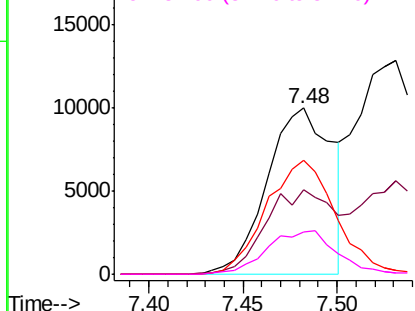
#41
Methacrylonitrile
Concen: 26.402 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion:	41	Resp:	24031
Ion	Ratio	Lower	Upper
41	100		
39	52.0	45.9	68.9
67	73.6	54.5	81.7
52	27.8	22.5	33.7

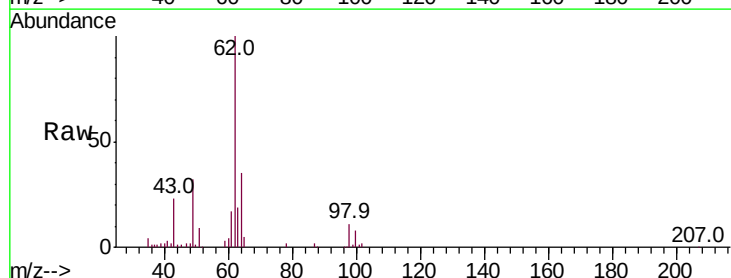


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

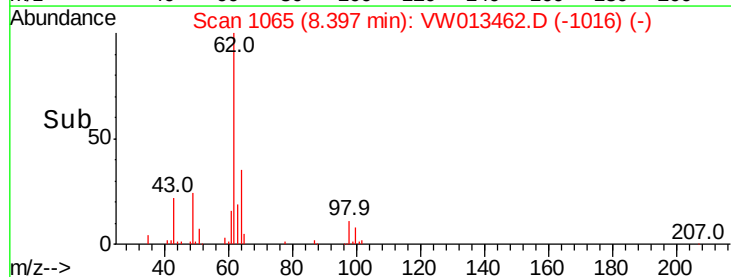
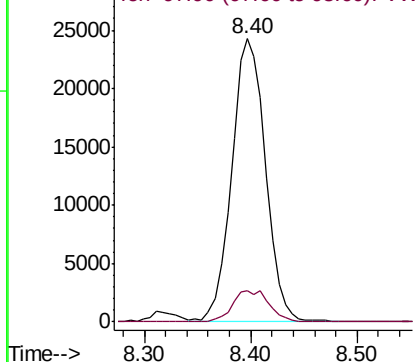


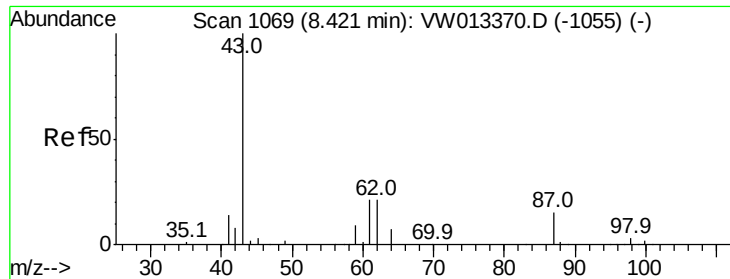
#42
1,2-Dichloroethane
Concen: 21.711 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion:	62	Resp:	54029
Ion	Ratio	Lower	Upper
62	100		
98	11.9	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: 26.252 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

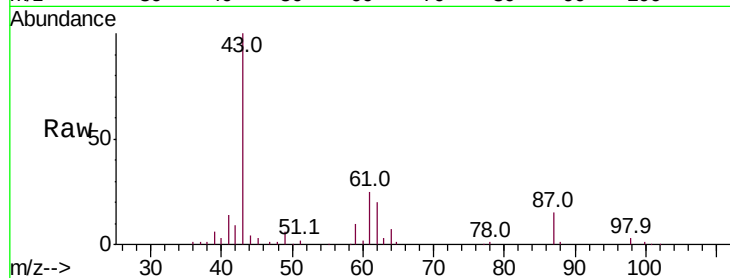
MSVOA_W

ClientSampleId :

VW1007SBSD01

Tot Ion: 43 Resp: 74587

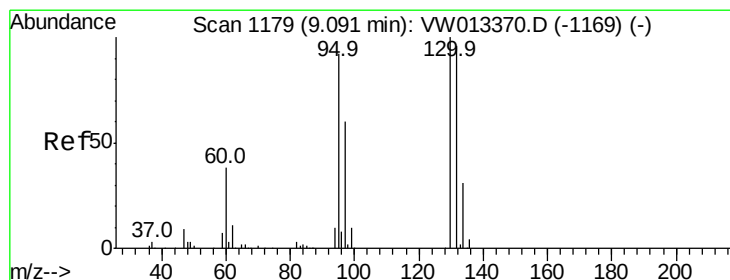
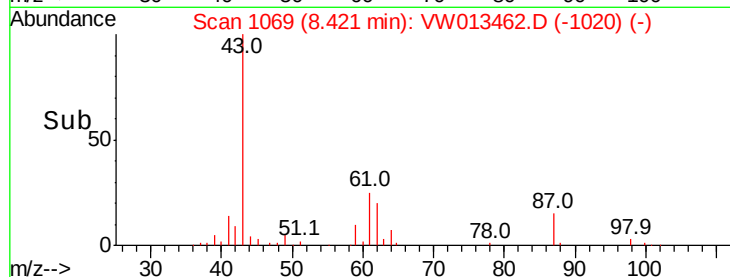
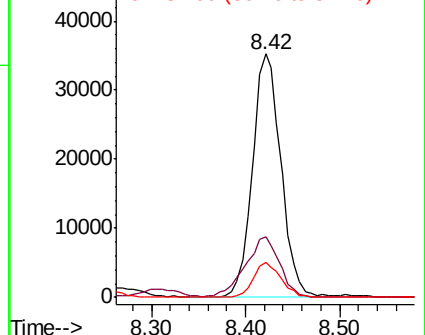
Ion	Ratio	Lower	Upper
43	100		
61	30.0	25.5	38.3
87	14.0	11.0	16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.062 ug/l

RT: 9.09 min Scan# 1179

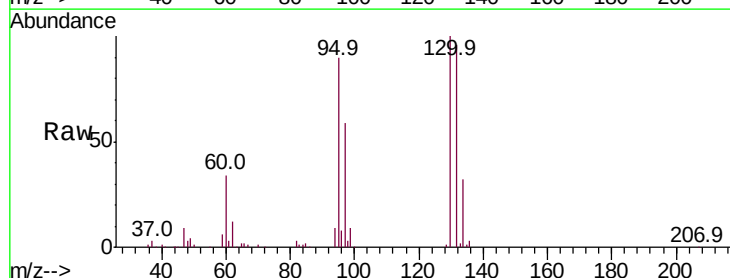
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

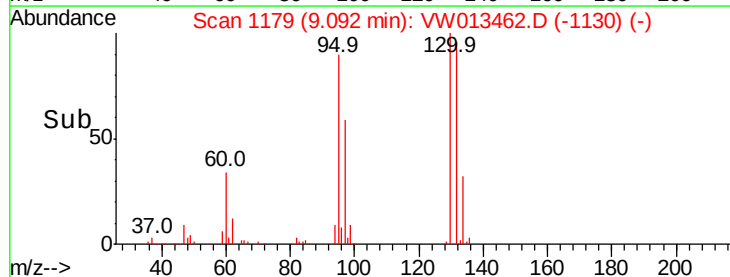
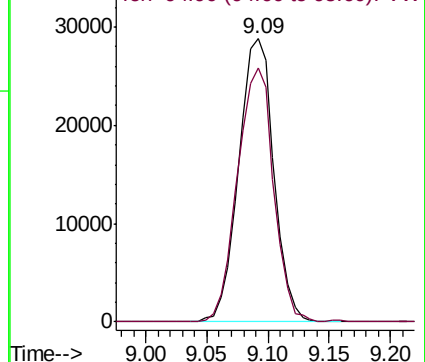
Tgt Ion:130 Resp: 57429

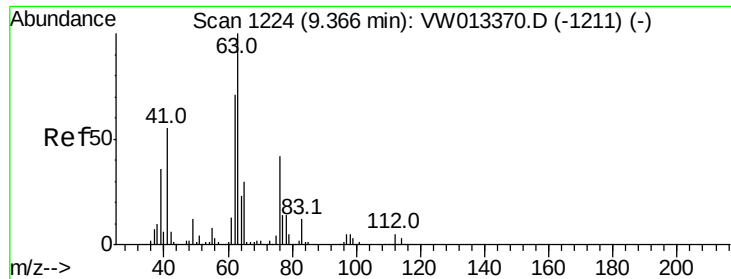
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

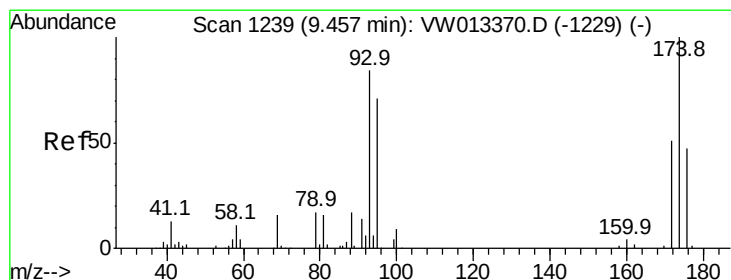
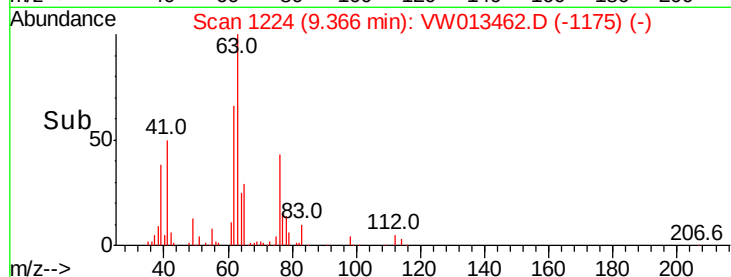
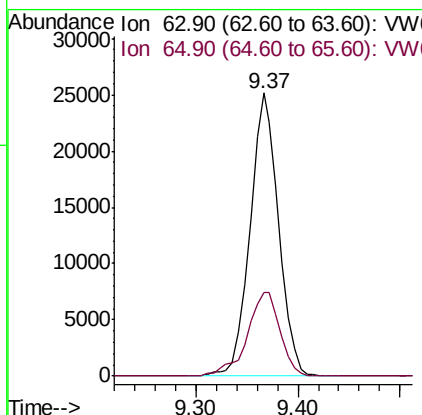
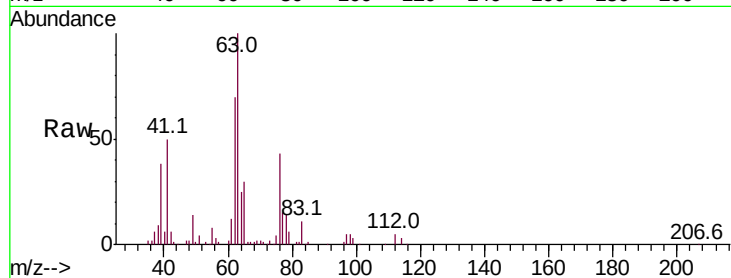




#45
 1,2-Dichloropropane
 Concen: 21.021 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

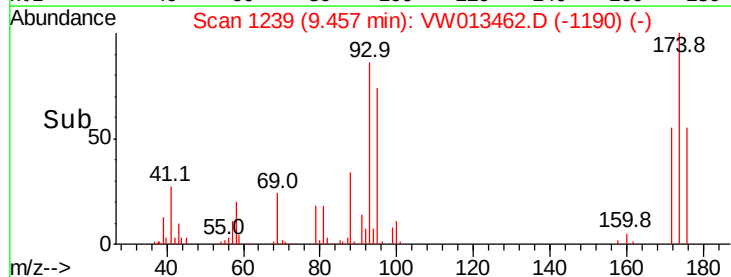
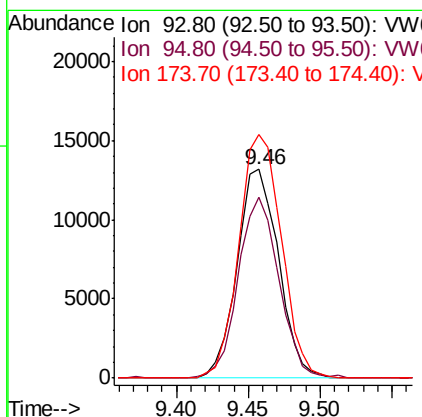
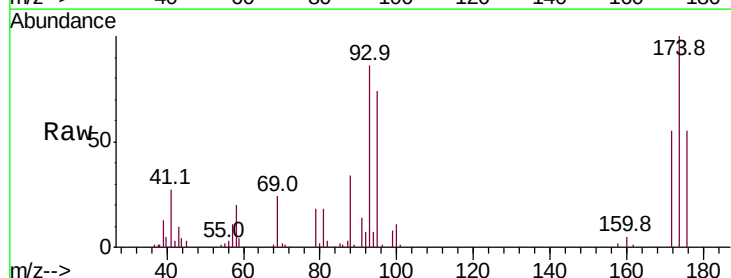
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

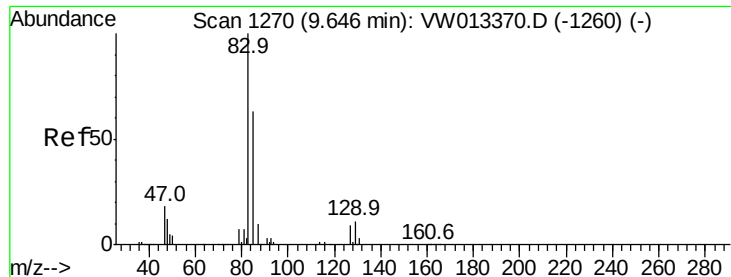
Tot Ion: 63 Resp: 48869
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.3 37.9



#46
 Dibromomethane
 Concen: 22.748 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion: 93 Resp: 26341
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.4 99.6
 174 119.5 93.0 139.6





#47

Bromodichloromethane

Concen: 21.125 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

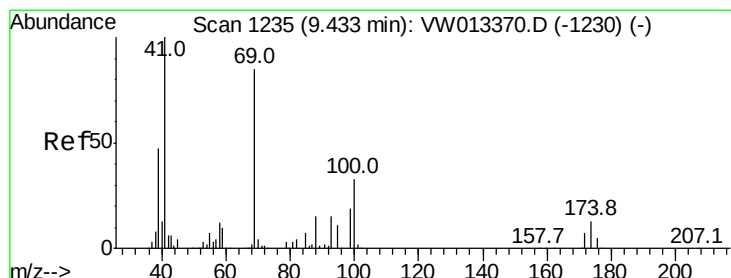
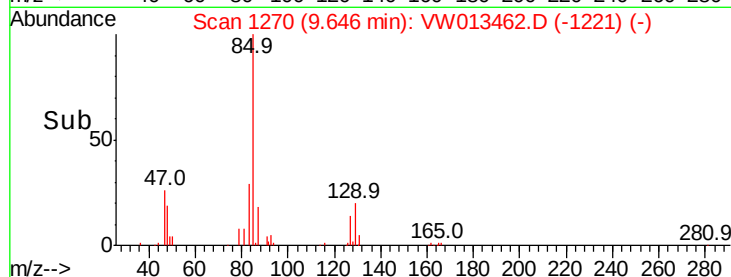
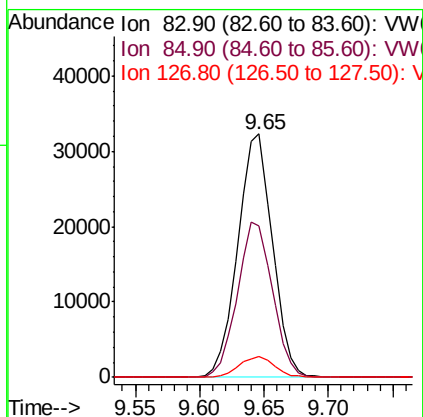
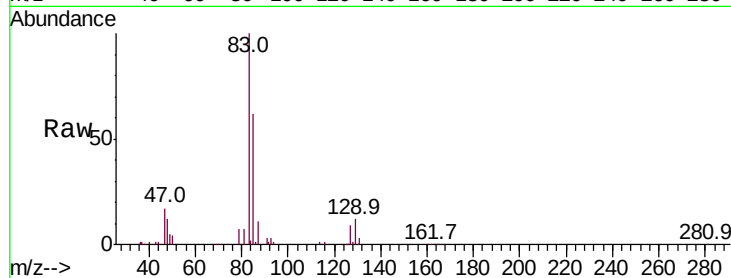
Tot Ion: 83 Resp: 60219

Ion Ratio Lower Upper

83 100

85 62.2 49.4 74.2

127 8.6 6.5 9.7



#48

Methyl methacrylate

Concen: 27.019 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

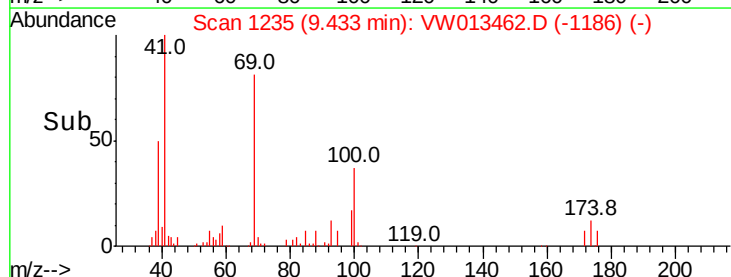
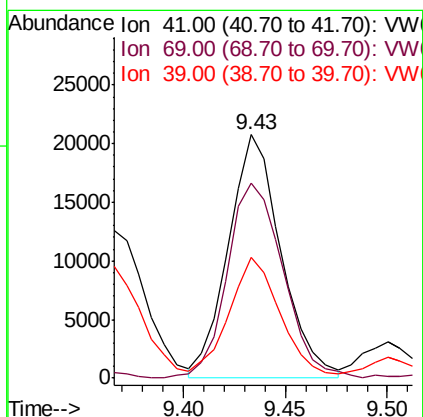
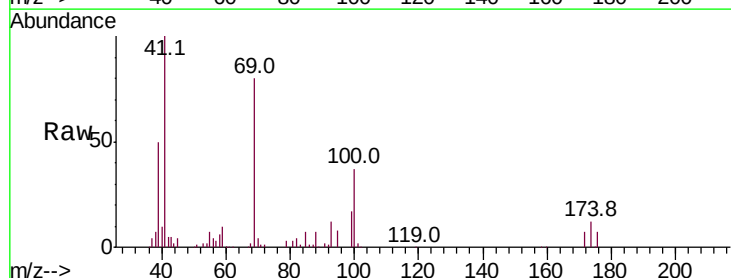
Tgt Ion: 41 Resp: 36885

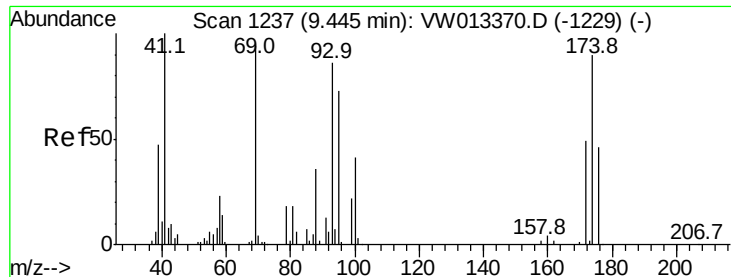
Ion Ratio Lower Upper

41 100

69 85.0 69.7 104.5

39 45.5 41.1 61.7

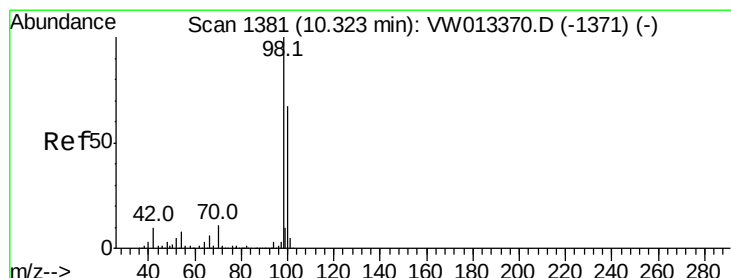
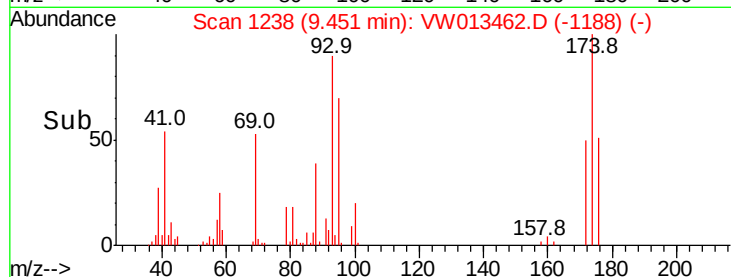
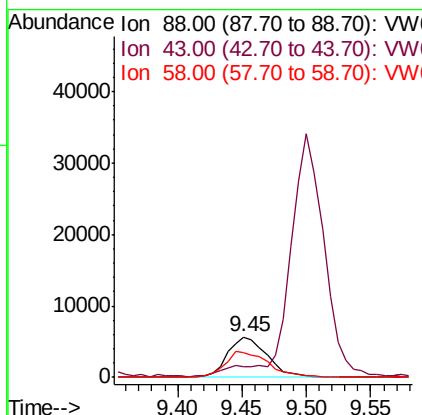
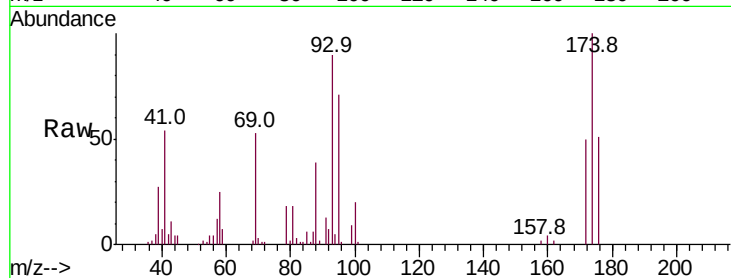




#49
1,4-Dioxane
Concen: 667.020 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

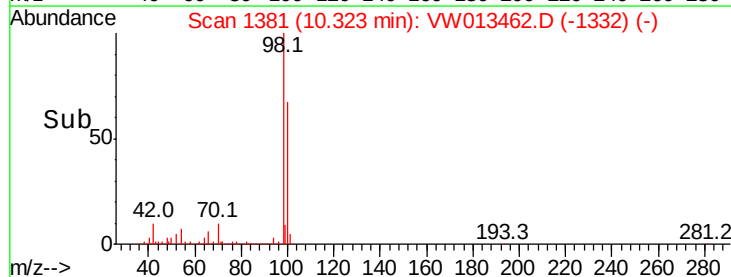
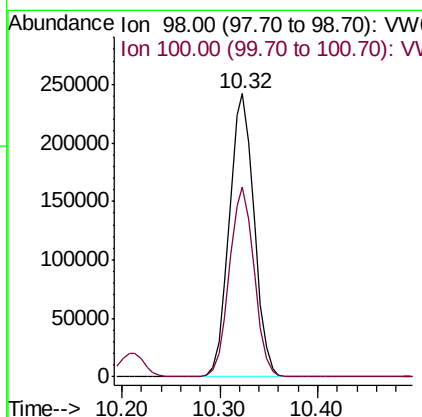
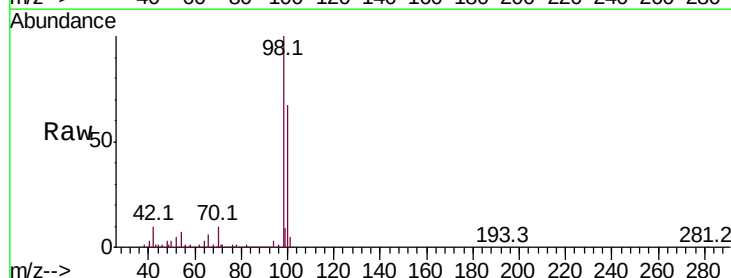
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

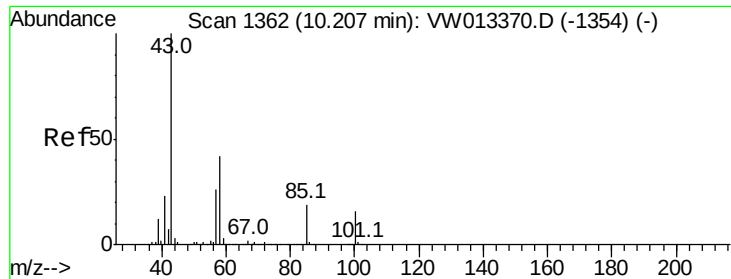
Tot Ion: 88 Resp: 12035
Ion Ratio Lower Upper
88 100
43 21.6 0.0 0.0#
58 70.5 65.4 98.0



#50
Toluene-d8
Concen: 53.018 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 98 Resp: 425151
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3

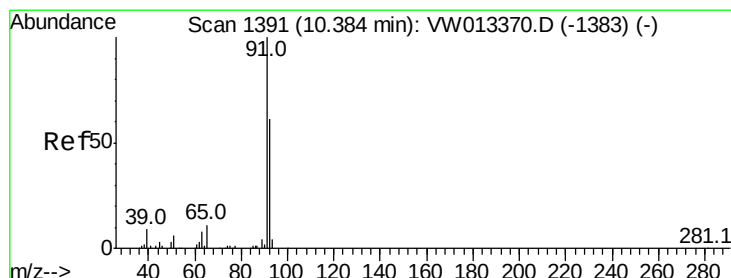
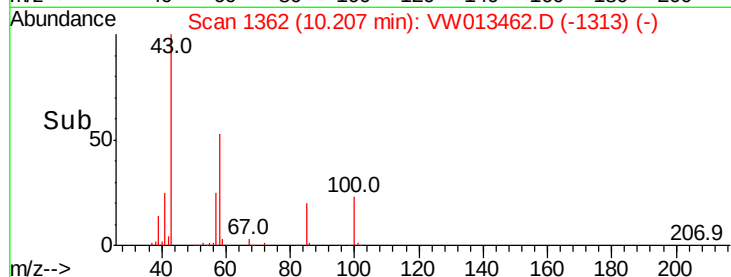
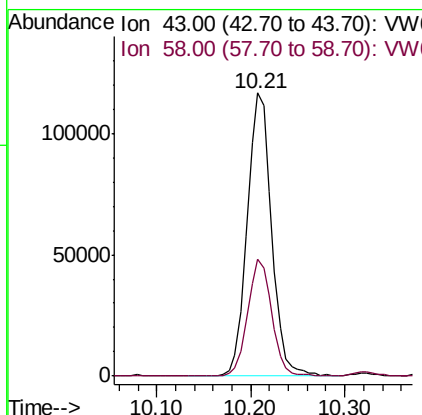
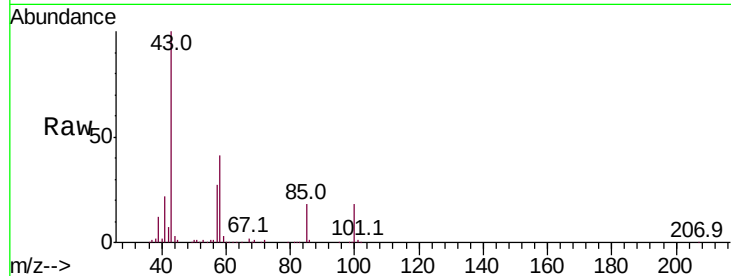




#51
 4-Methyl-2-Pentanone
 Concen: 141.324 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

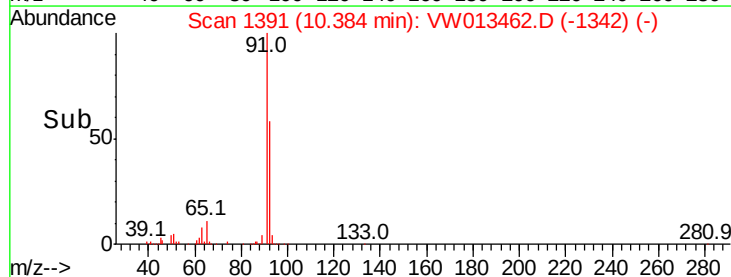
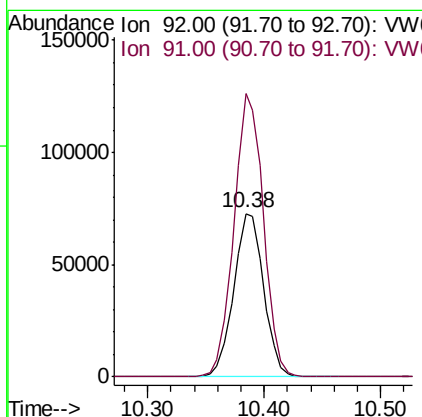
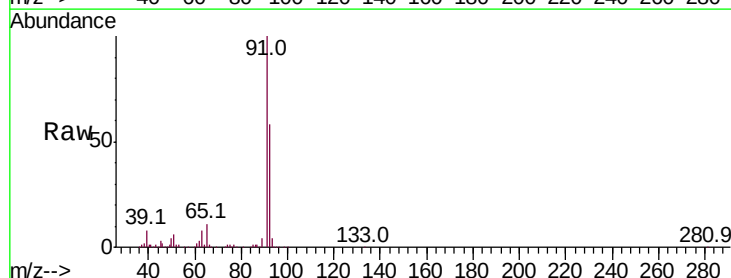
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

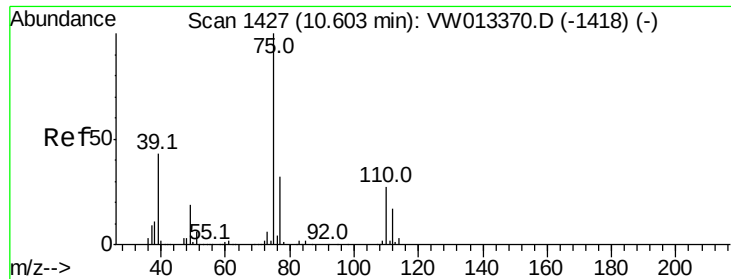
Tot Ion: 43 Resp: 210963
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.7 47.5



#52
 Toluene
 Concen: 20.826 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion: 92 Resp: 130066
 Ion Ratio Lower Upper
 92 100
 91 171.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 22.212 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

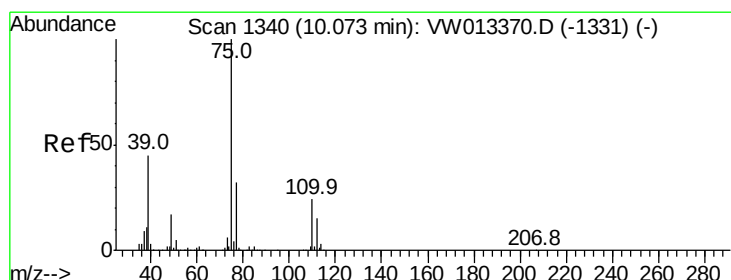
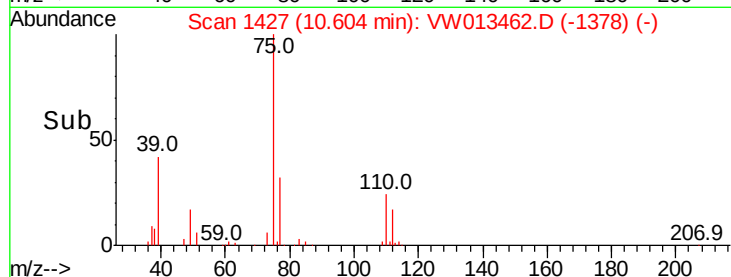
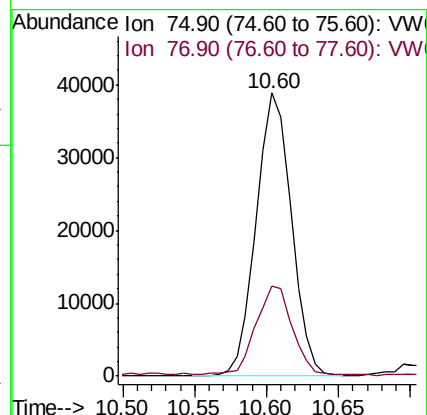
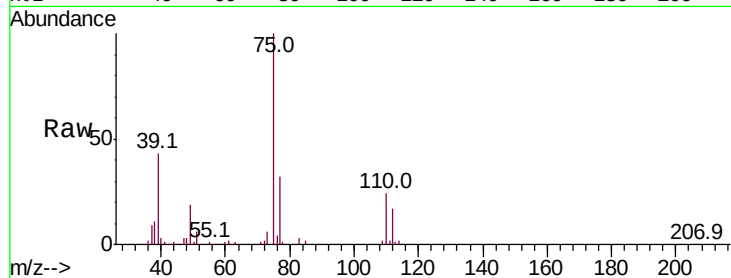
VW1007SBSD01

Tot Ion: 75 Resp: 65861

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.784 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

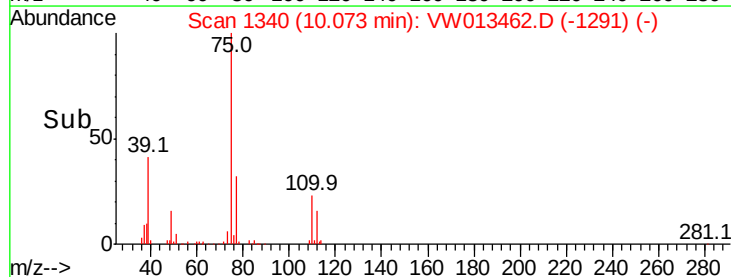
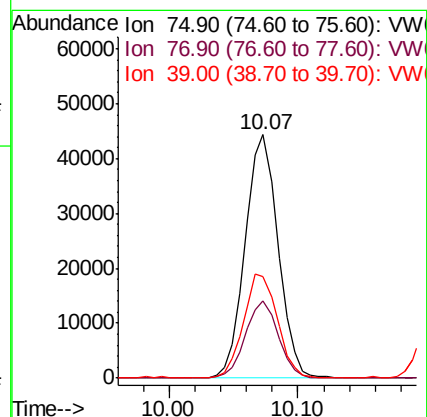
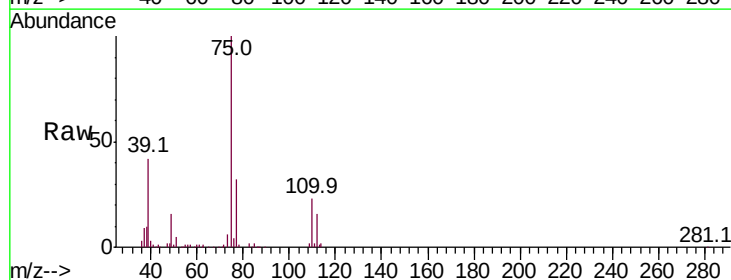
Tgt Ion: 75 Resp: 78313

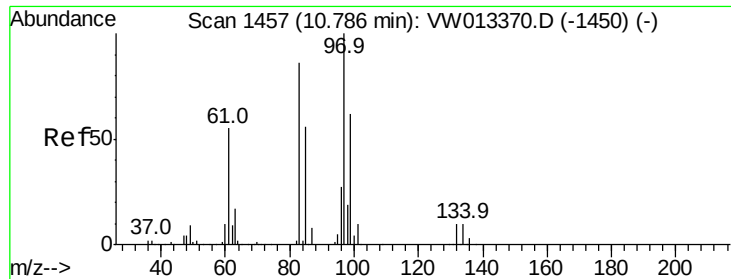
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 41.6 36.6 55.0

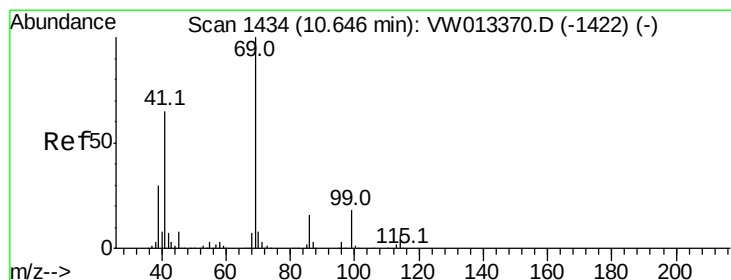
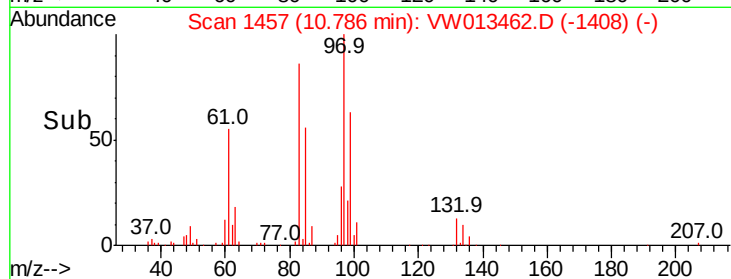
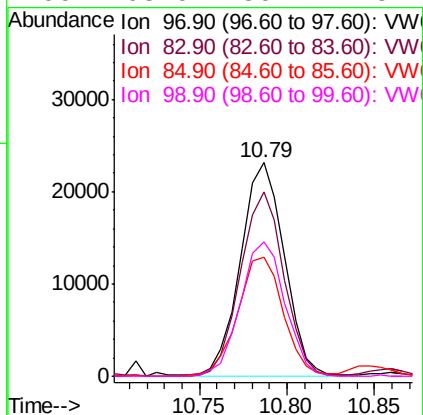
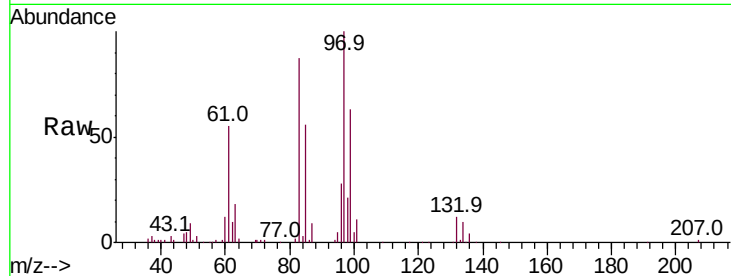




#55
 1,1,2-Trichloroethane
 Concen: 23.438 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

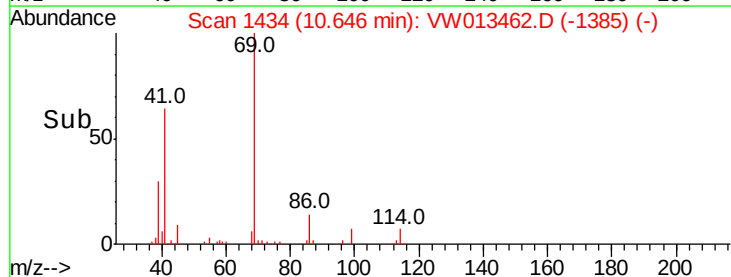
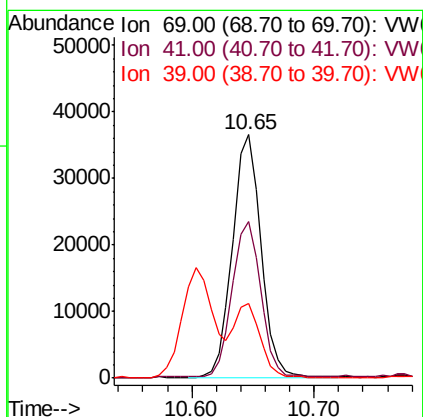
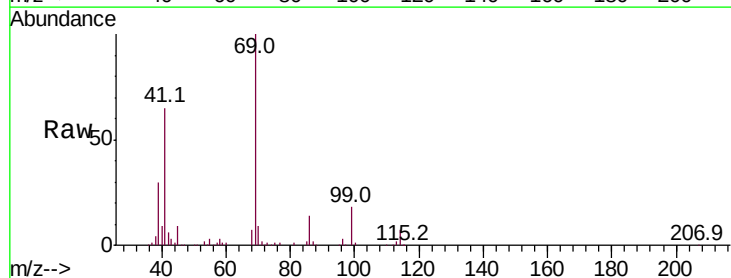
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

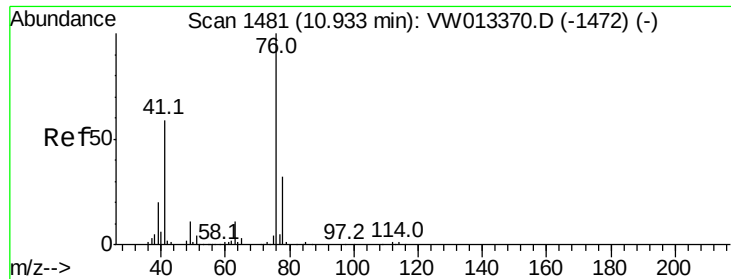
Tot Ion	97	Resp	40486
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.6	101.4
85	55.3	41.9	62.9
99	63.0	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 25.318 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion	69	Resp	58866
Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.9	80.9
39	28.0	23.8	35.6





#57

1,3-Dichloropropane

Concen: 23.057 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

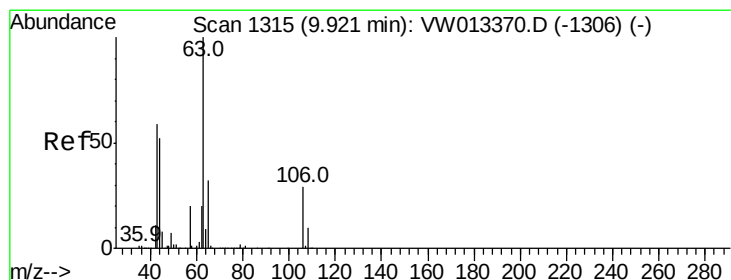
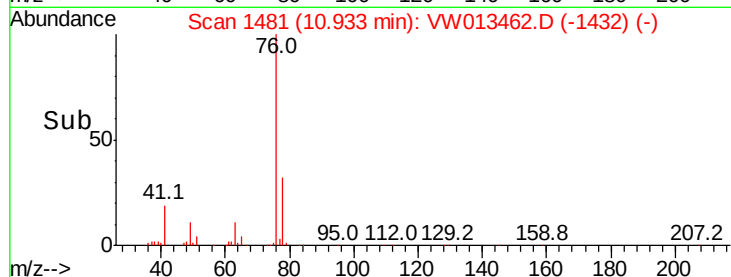
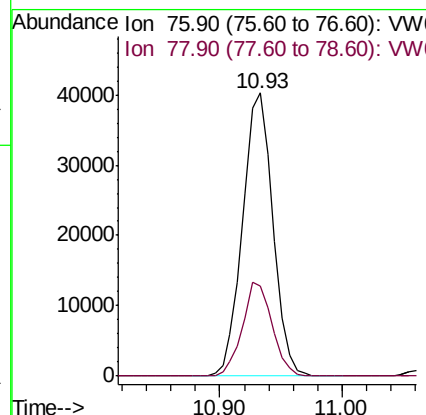
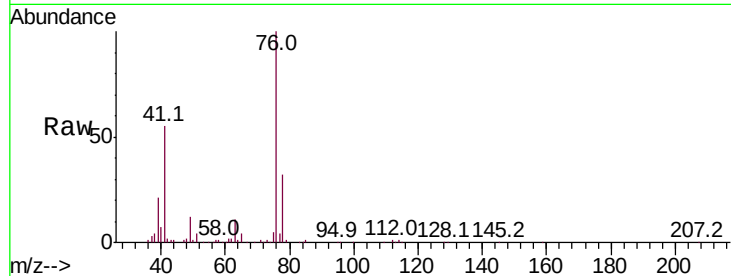
Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion: 76 Resp: 69241

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 135.843 ug/l

RT: 9.92 min Scan# 1315

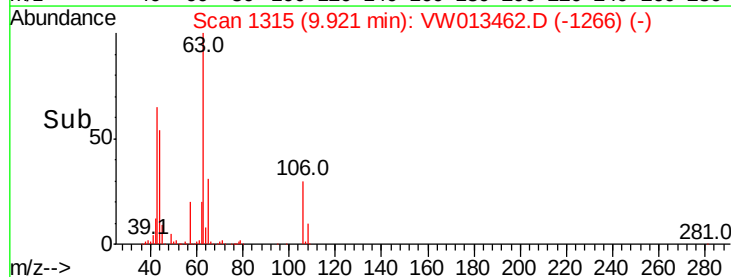
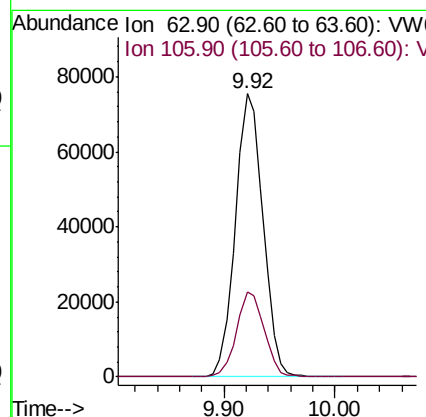
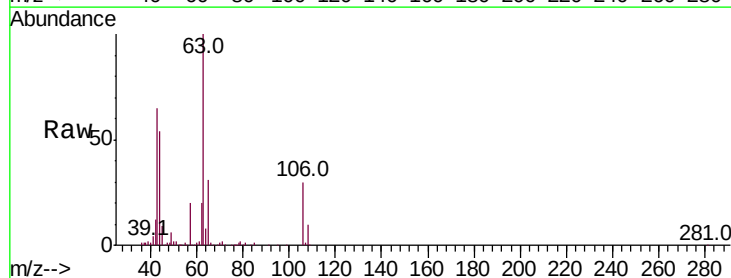
Delta R.T. 0.00 min

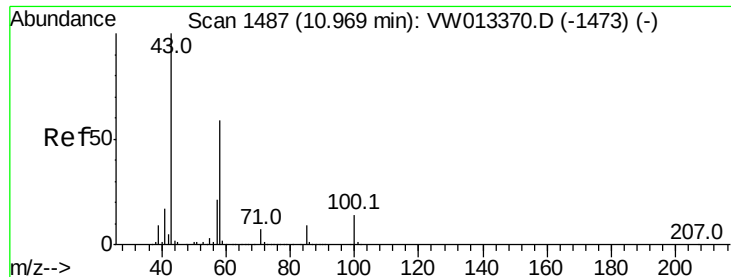
Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Tgt Ion: 63 Resp: 129741

Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.4	35.0

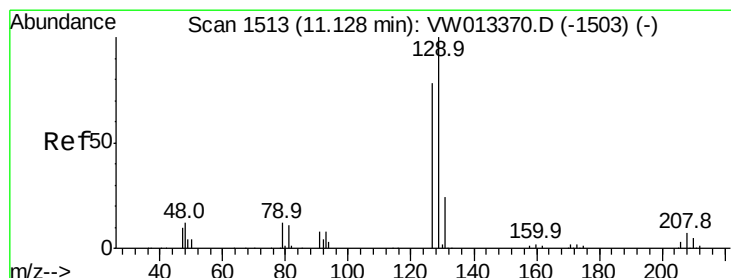
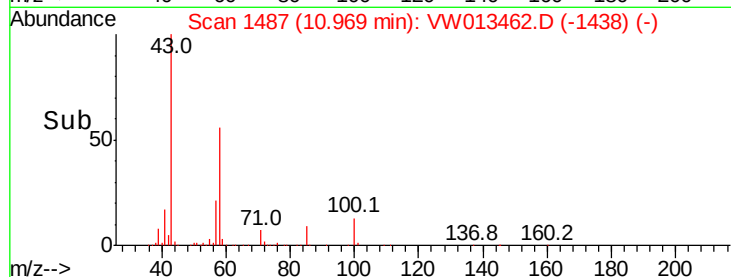
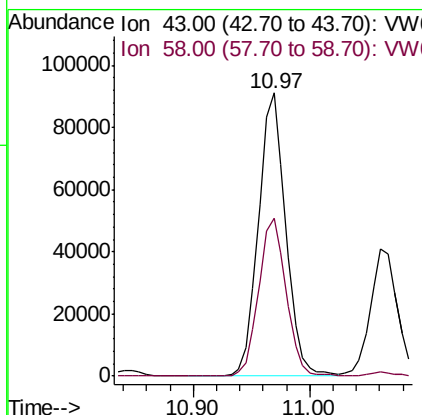
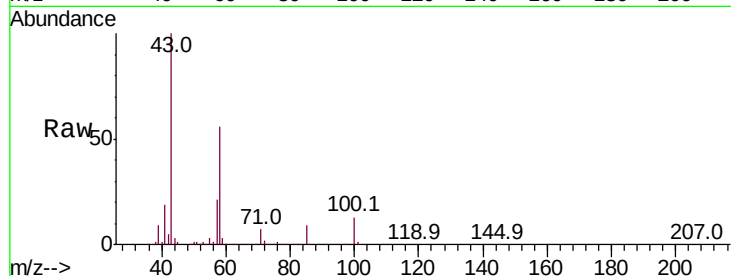




#59
2-Hexanone
Concen: 143.042 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

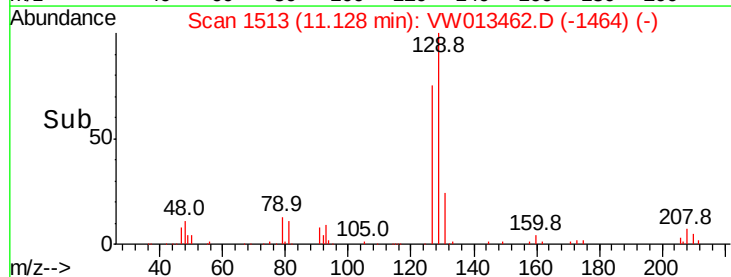
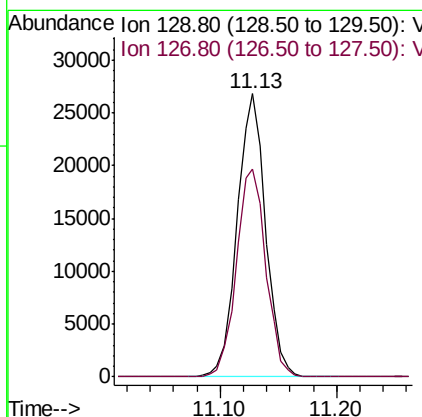
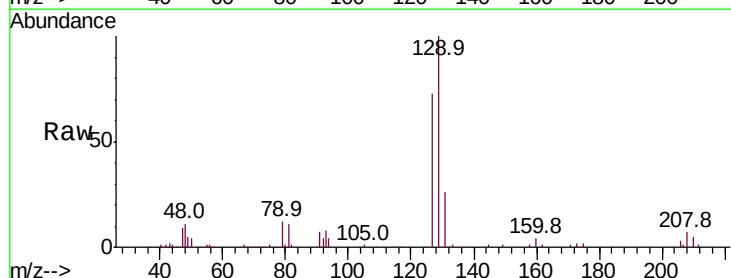
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

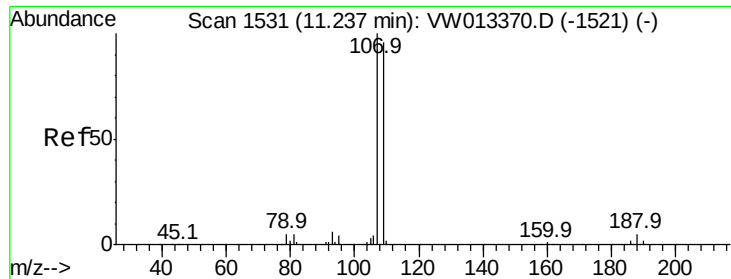
Tot Ion: 43 Resp: 148002
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.2



#60
Dibromochloromethane
Concen: 23.087 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 129 Resp: 45624
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.4

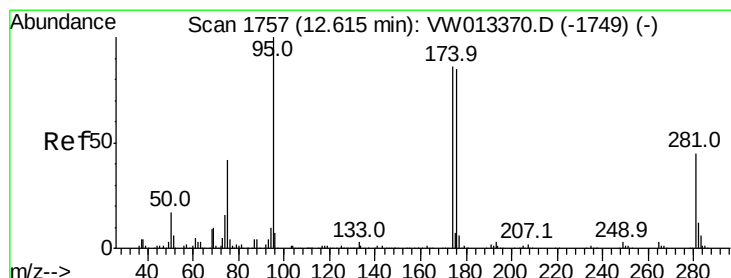
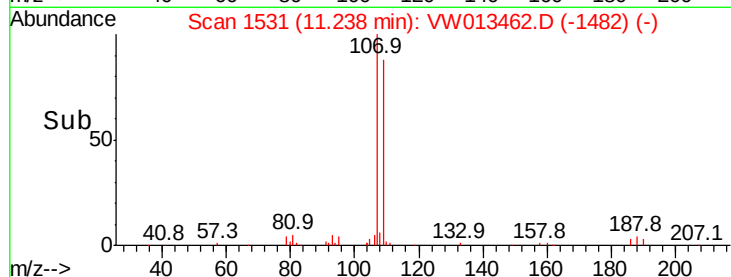
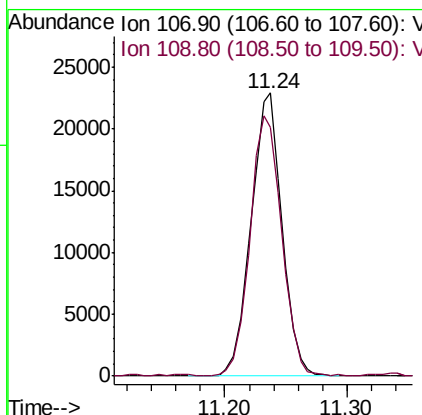
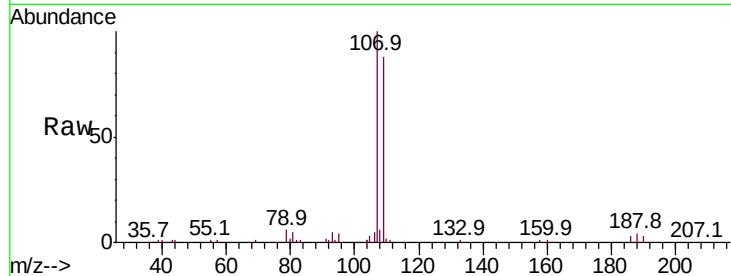




#61
 1,2-Dibromoethane
 Concen: 24.151 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

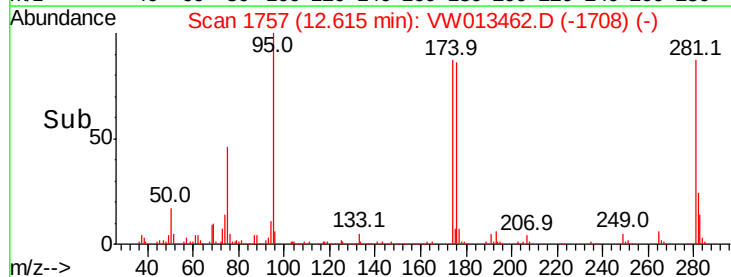
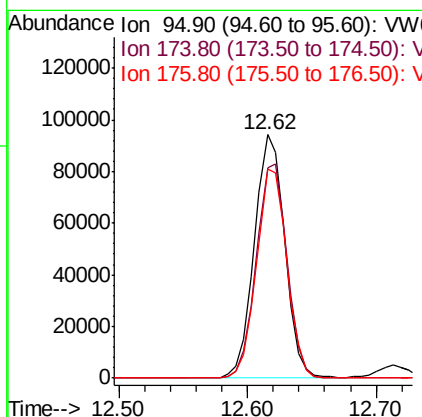
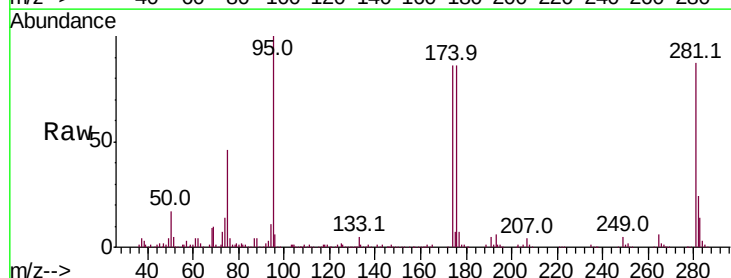
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

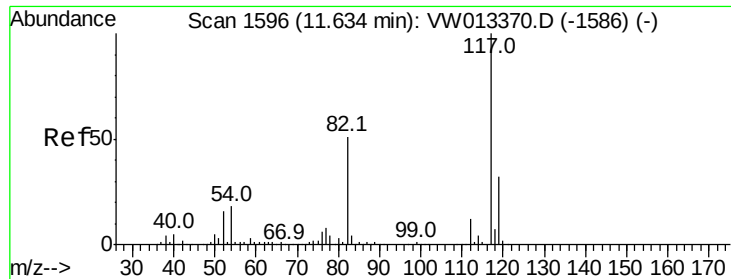
Tot Ion:107 Resp: 40313
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 56.854 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion: 95 Resp: 152246
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 178.4
 176 86.1 0.0 172.2

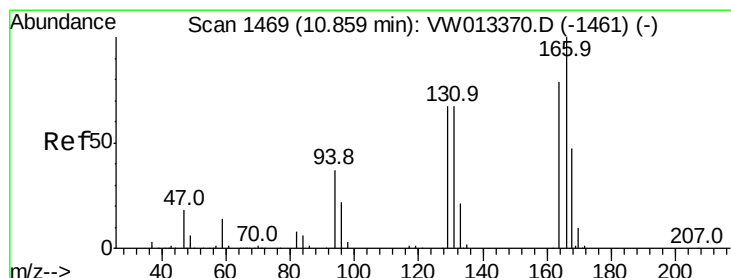
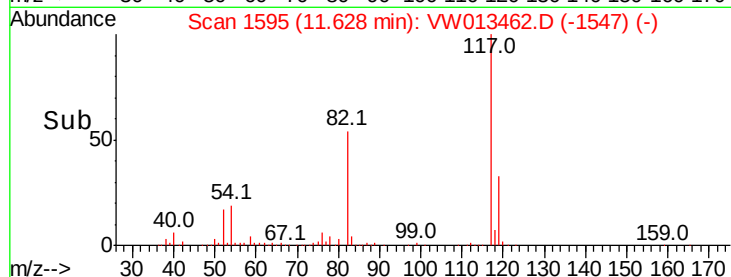
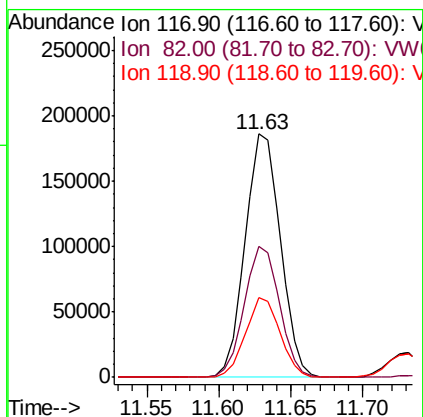
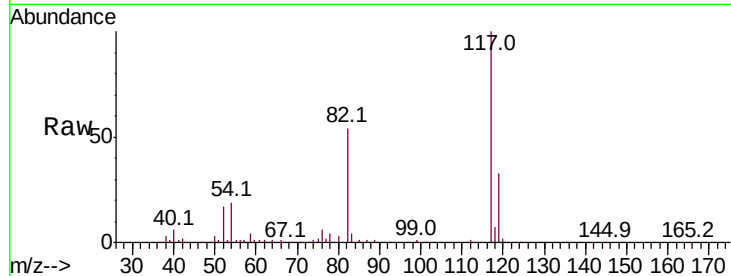




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

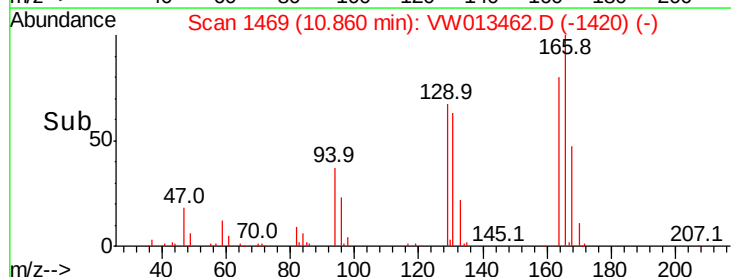
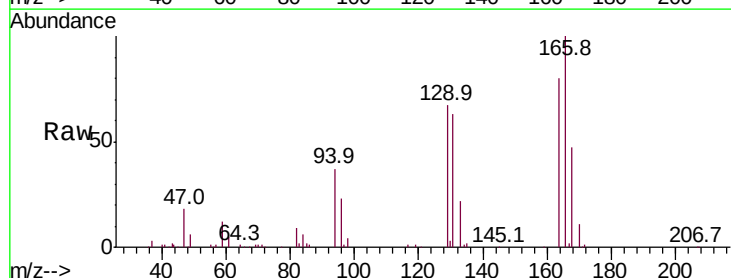
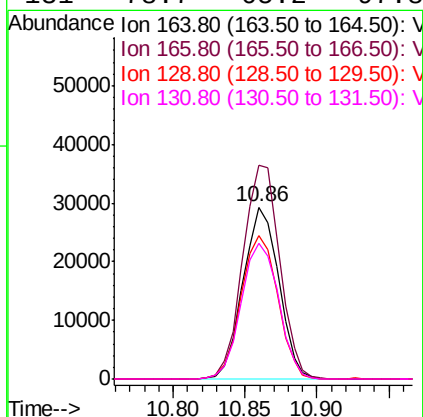
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

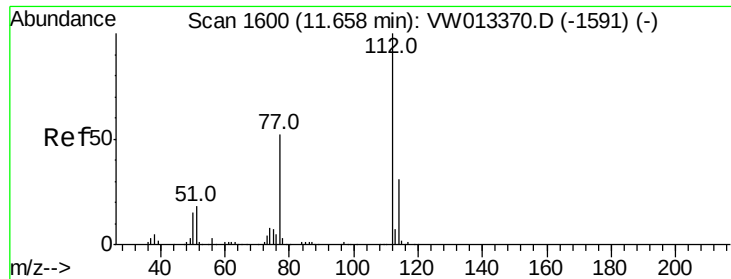
Tot Ion:117 Resp: 316306
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 20.960 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion:164 Resp: 50438
Ion Ratio Lower Upper
164 100
166 124.2 101.2 151.8
129 83.4 68.8 103.2
131 78.7 65.2 97.8

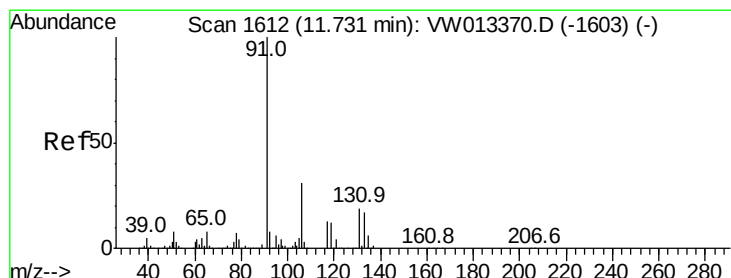
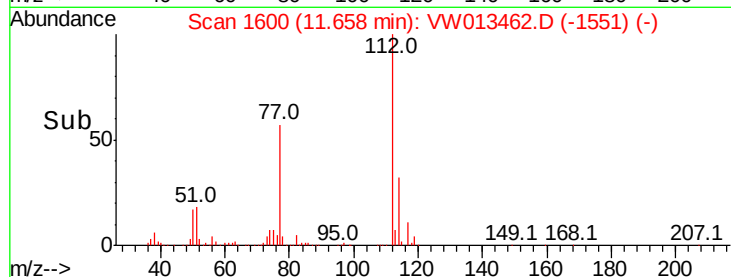
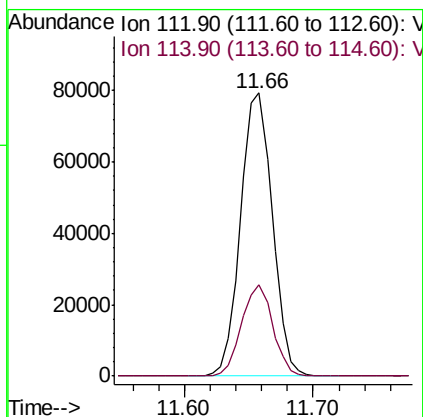
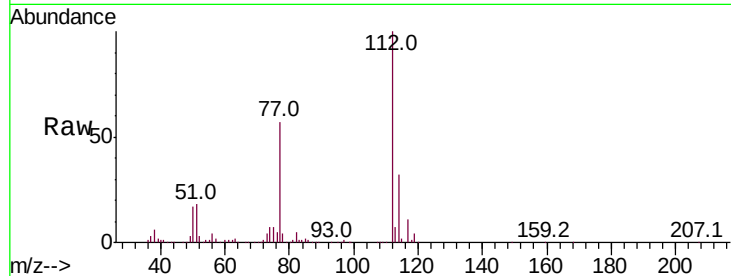




#65
Chlorobenzene
Concen: 20.865 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

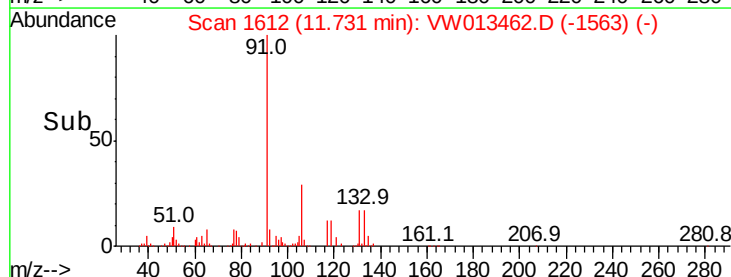
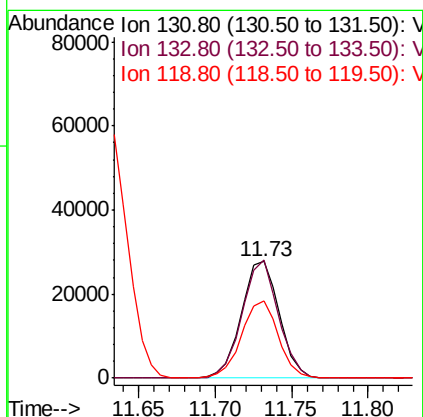
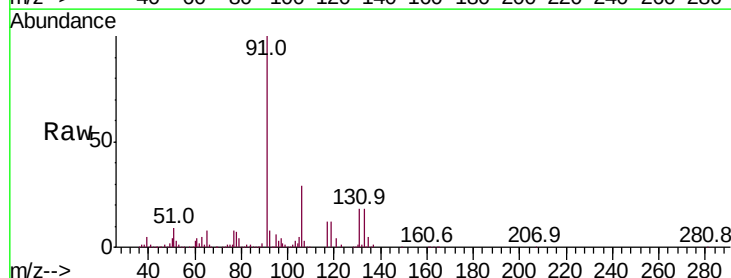
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

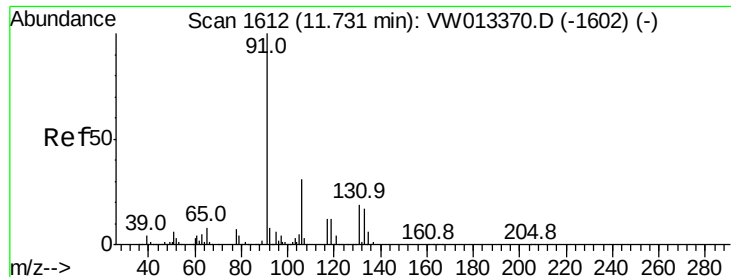
Tot Ion:112 Resp: 135206
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.542 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion:131 Resp: 47545
Ion Ratio Lower Upper
131 100
133 97.5 47.5 142.6
119 65.0 32.5 97.5

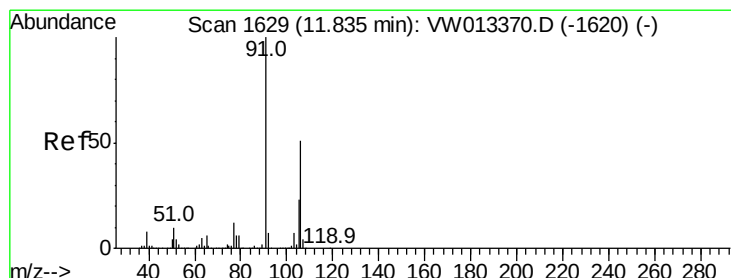
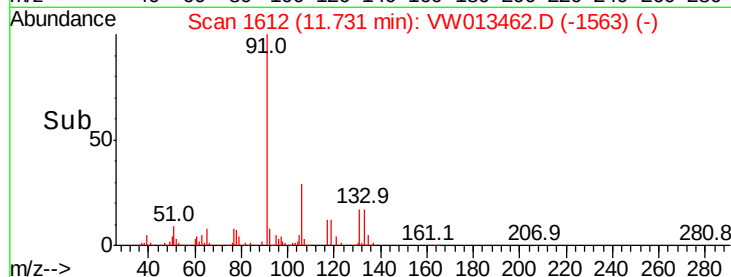
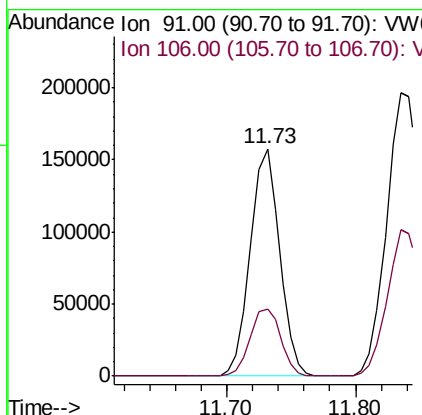
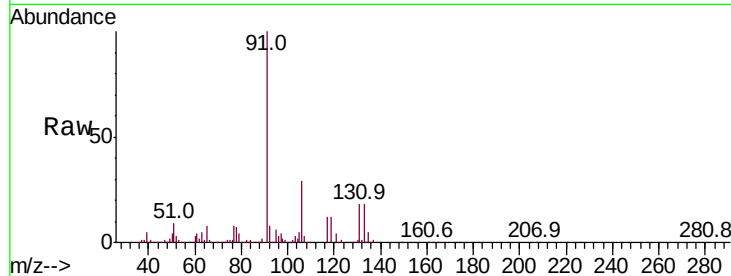




#67
Ethyl Benzene
Concen: 21.341 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

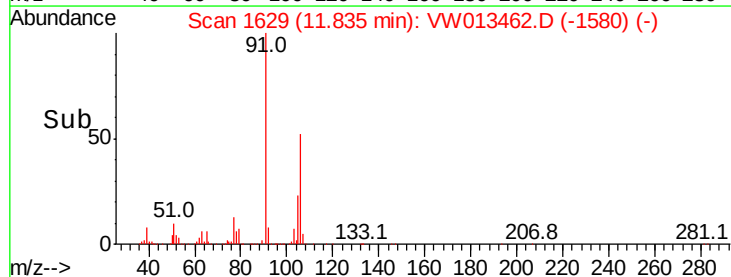
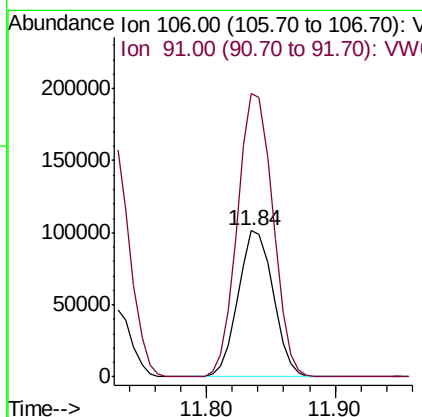
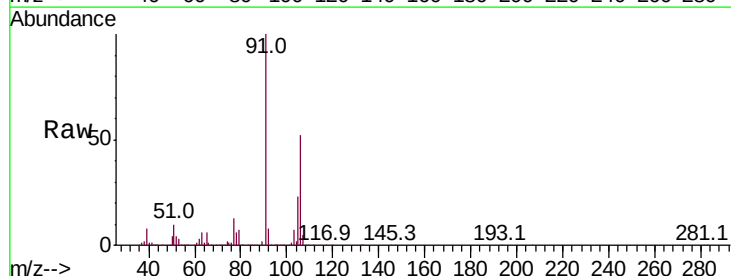
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

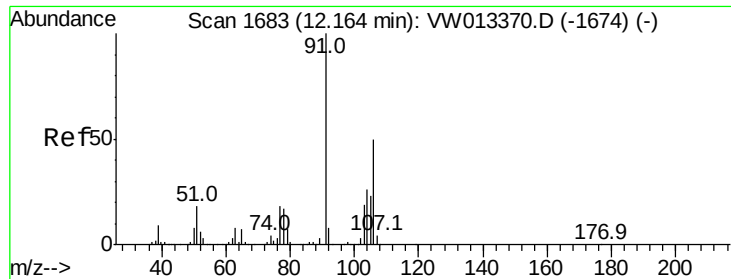
Tot Ion: 91 Resp: 247853
Ion Ratio Lower Upper
91 100
106 29.3 24.9 37.3



#68
m/p-Xylenes
Concen: 42.639 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 106 Resp: 191144
Ion Ratio Lower Upper
106 100
91 196.5 157.9 236.9

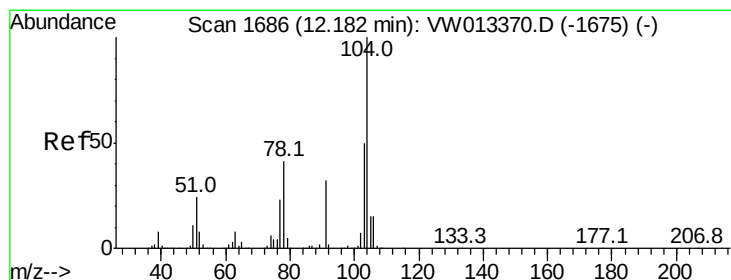
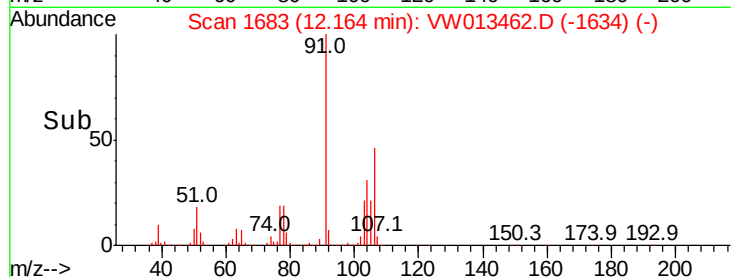
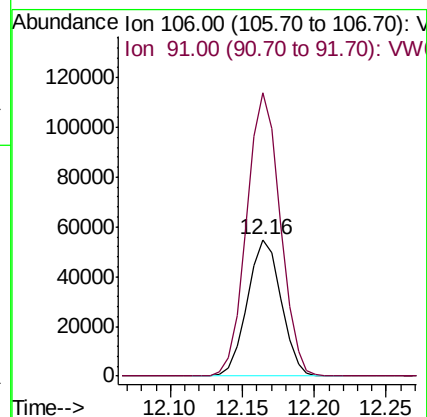
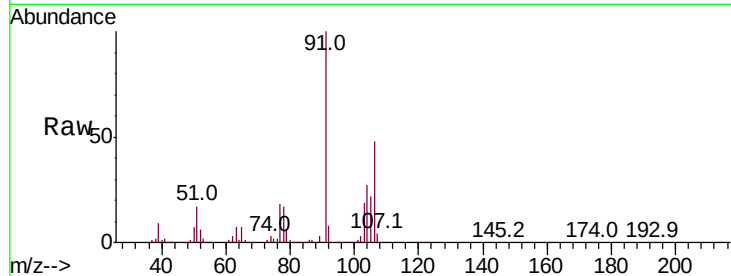




#69
o-Xylene
Concen: 21.494 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

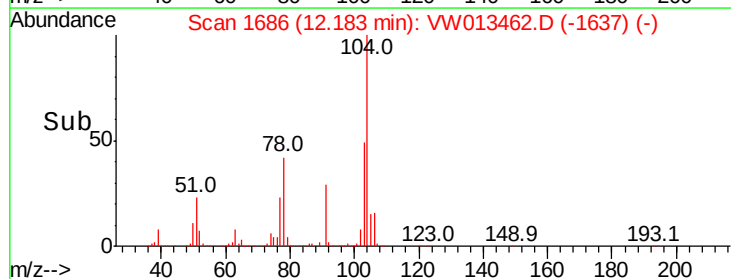
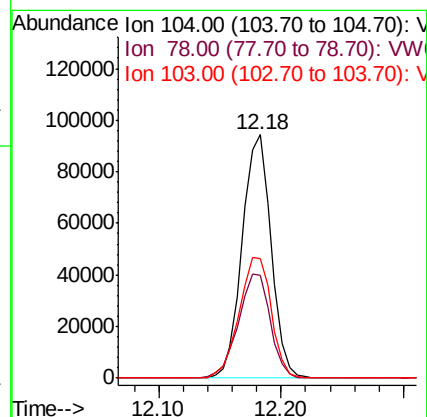
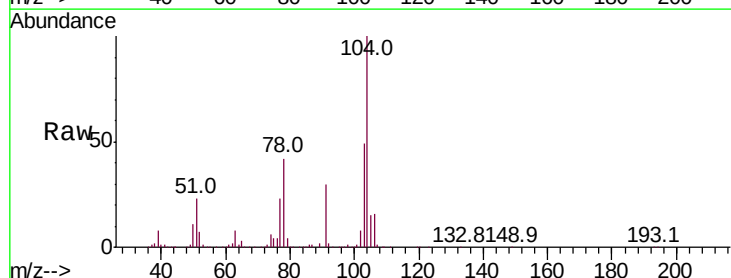
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

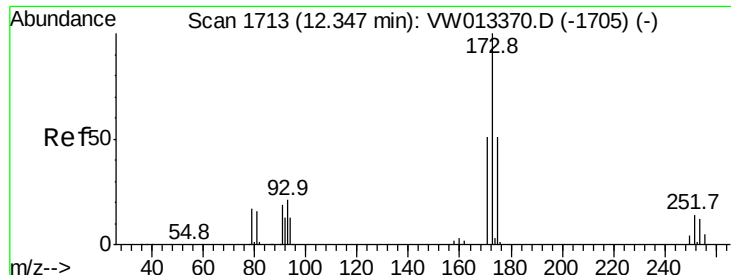
Tot Ion:106 Resp: 89089
Ion Ratio Lower Upper
106 100
91 206.2 106.5 319.5



#70
Styrene
Concen: 21.786 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion:104 Resp: 154357
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 55.3 43.3 64.9

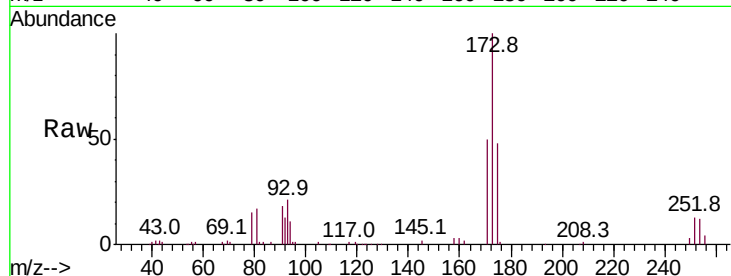




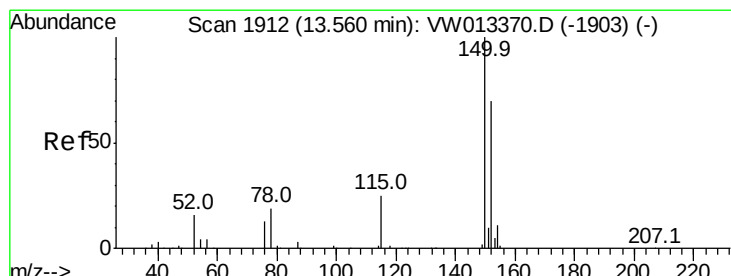
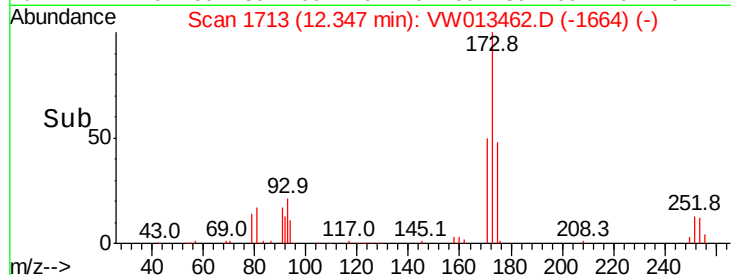
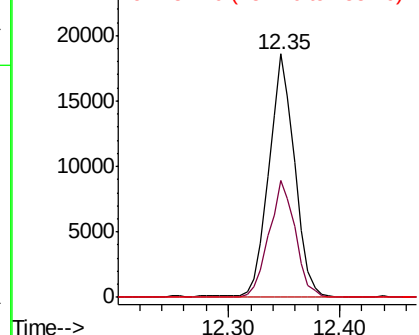
#71
Bromoform
Concen: 25.185 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion:173 Resp: 30137
Ion Ratio Lower Upper
173 100
175 48.8 24.3 73.0
254 0.0 0.1 0.1#

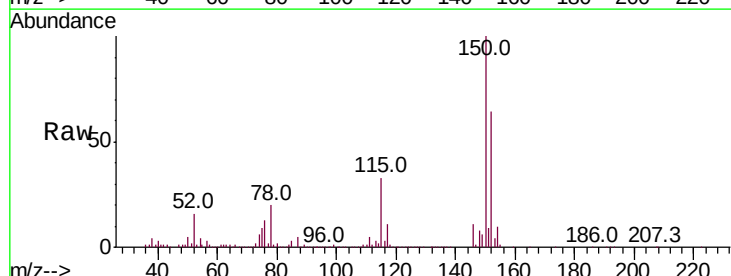


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

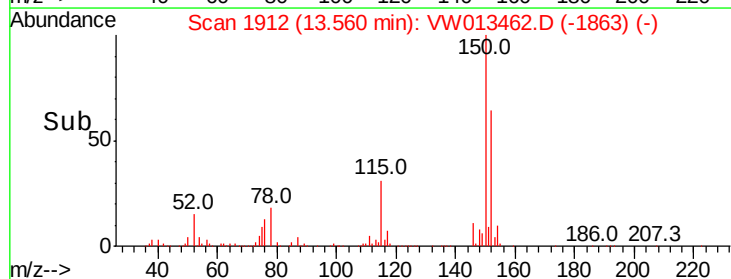
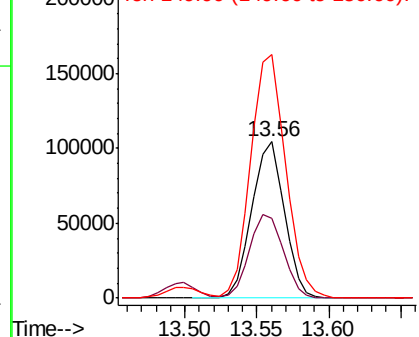


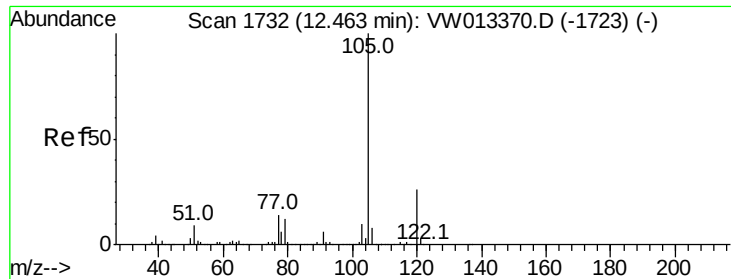
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion:152 Resp: 163812
Ion Ratio Lower Upper
152 100
115 55.5 27.3 81.9
150 166.5 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.670 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

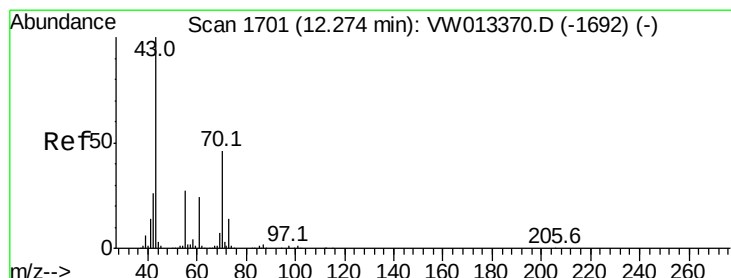
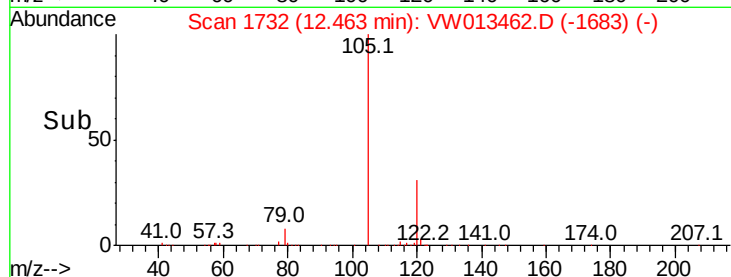
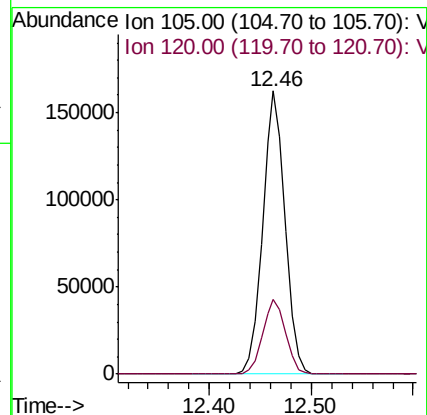
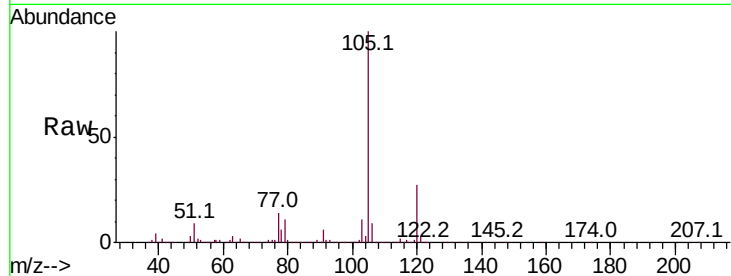
VW1007SBS01

Tot Ion:105 Resp: 247672

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#74

N-ethyl acetate

Concen: 26.126 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Tgt Ion: 43 Resp: 66623

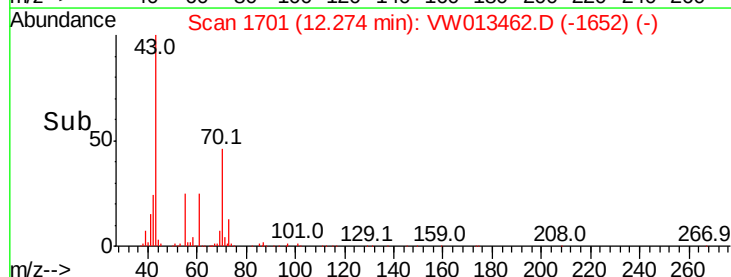
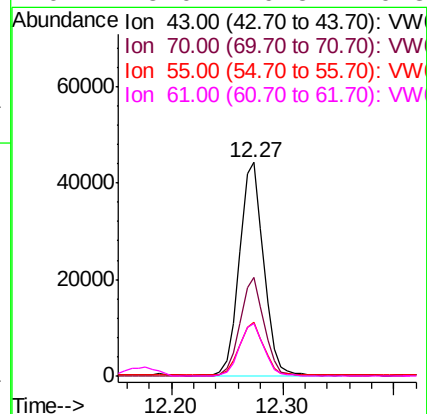
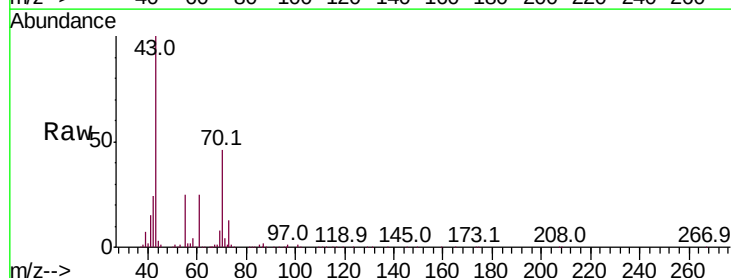
Ion Ratio Lower Upper

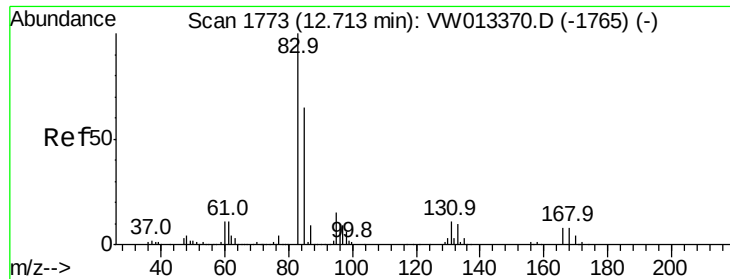
43 100

70 45.9 35.1 52.7

55 24.6 19.9 29.9

61 25.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 24.845 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

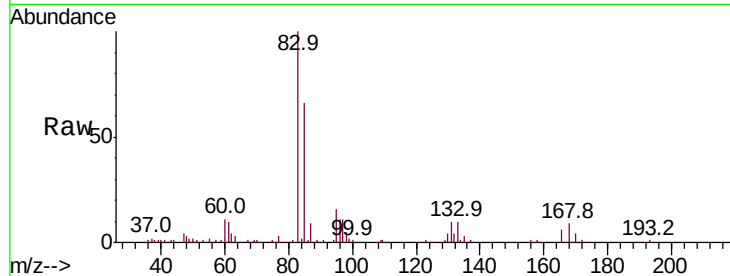
Tot Ion: 83 Resp: 50388

Ion Ratio Lower Upper

83 100

131 11.8 5.4 16.2

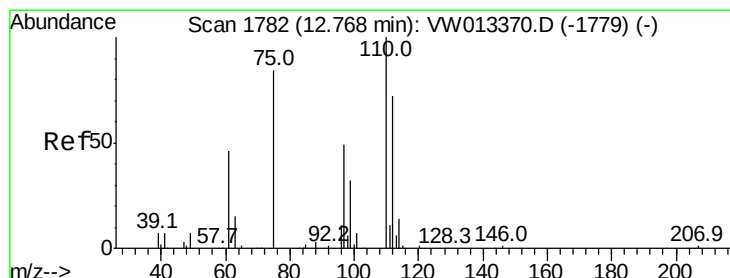
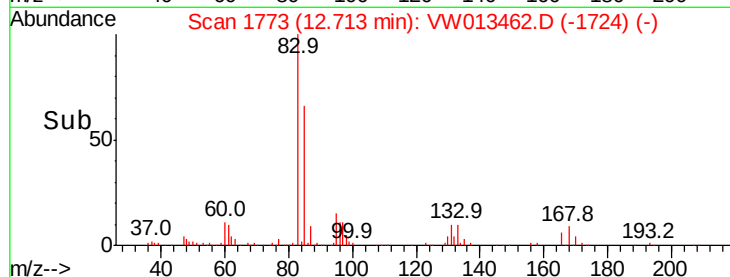
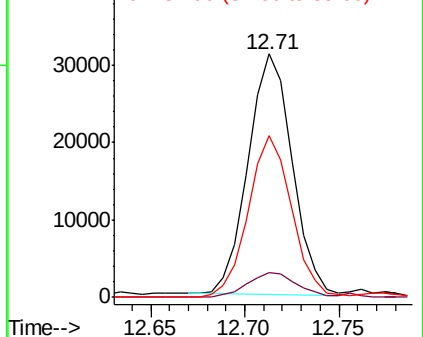
85 65.9 31.9 95.9



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: 43.860 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013462.D

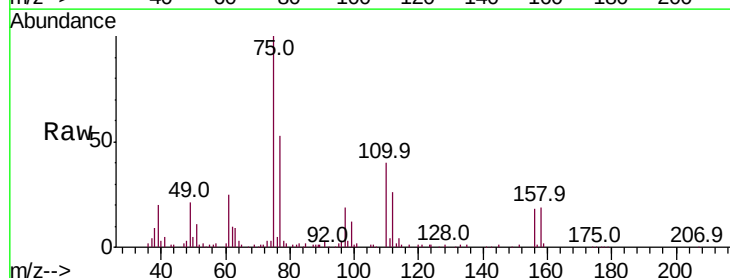
Acq: 07 Oct 2019 14:44

Tgt Ion: 75 Resp: 63856

Ion Ratio Lower Upper

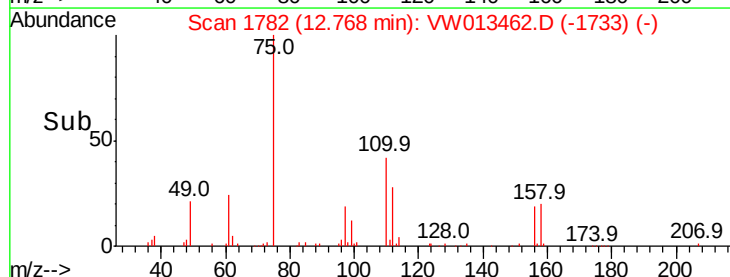
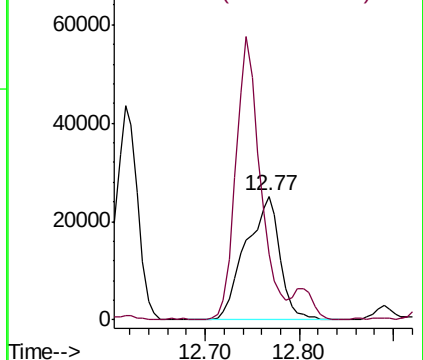
75 100

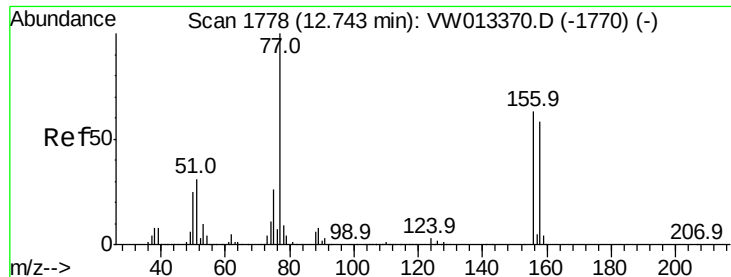
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.583 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

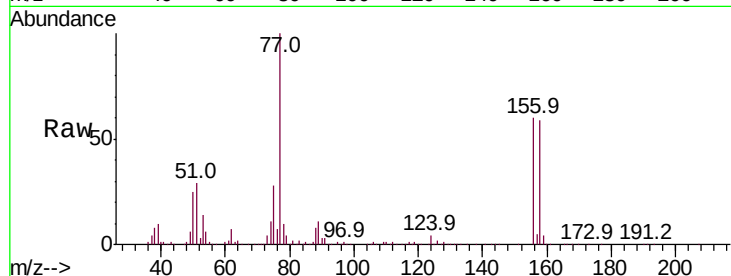
Tot Ion:156 Resp: 59221

Ion Ratio Lower Upper

156 100

77 175.7 85.7 257.1

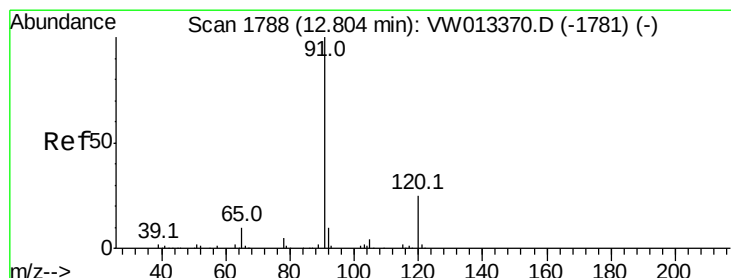
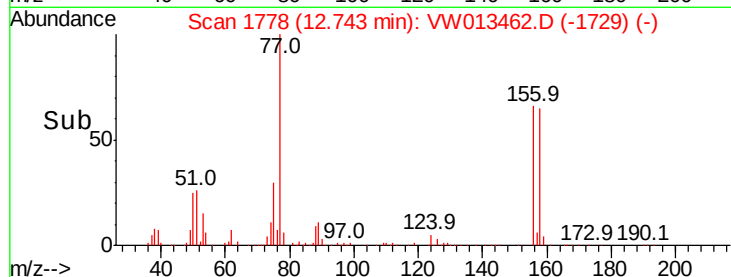
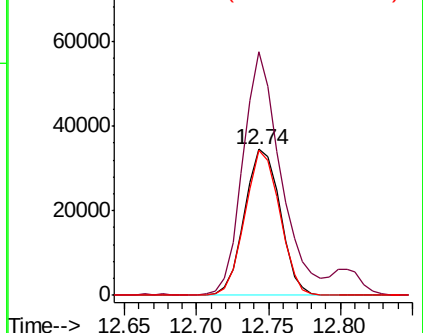
158 96.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.723 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013462.D

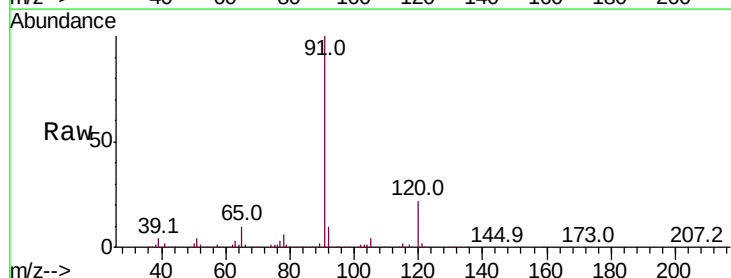
Acq: 07 Oct 2019 14:44

Tgt Ion: 91 Resp: 285638

Ion Ratio Lower Upper

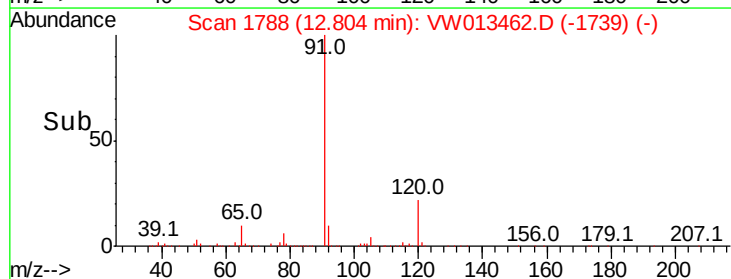
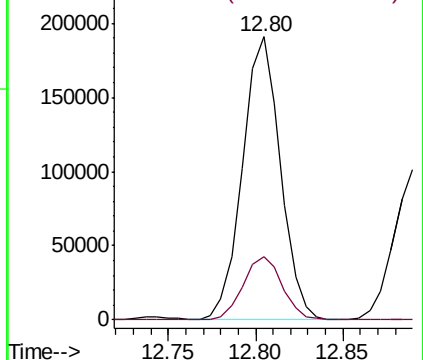
91 100

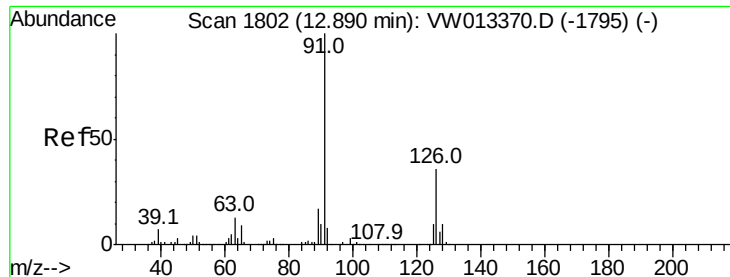
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.934 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

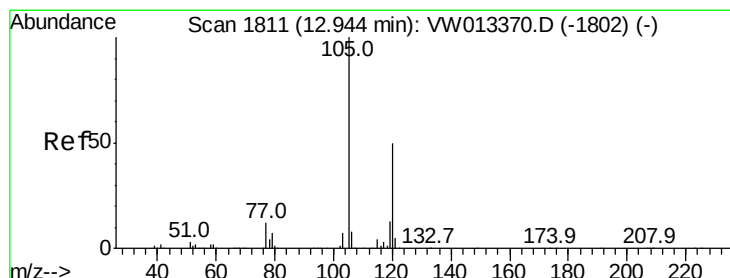
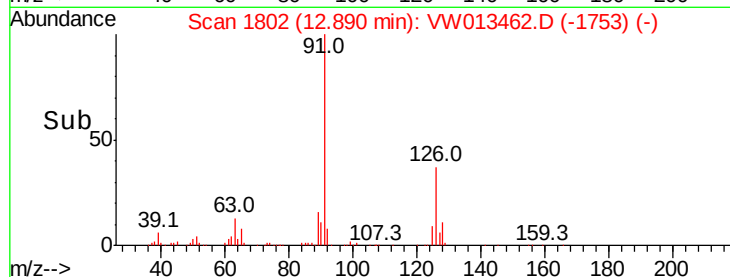
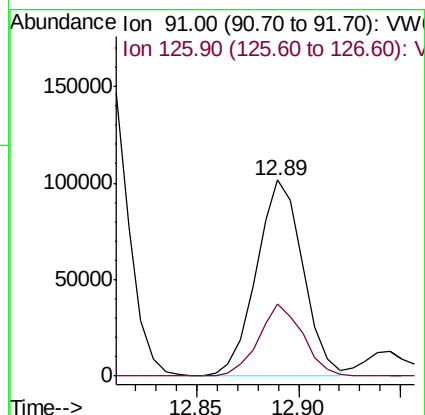
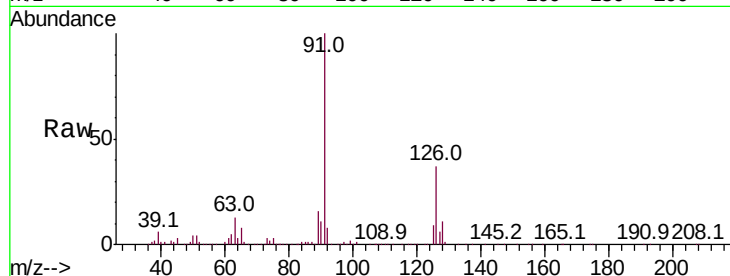
VW1007SBSD01

Tot Ion: 91 Resp: 160266

Ion Ratio Lower Upper

91 100

126 35.2 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 20.753 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013462.D

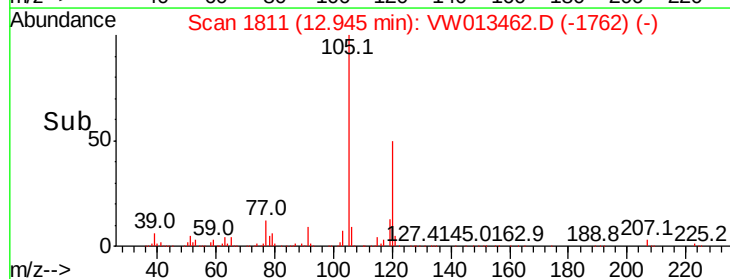
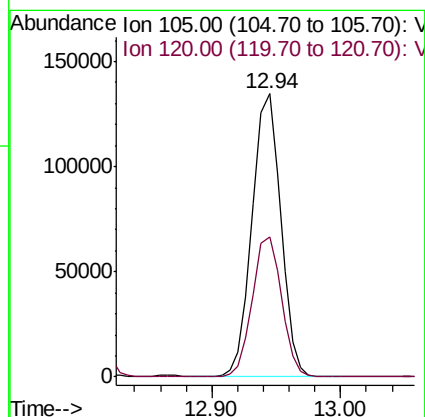
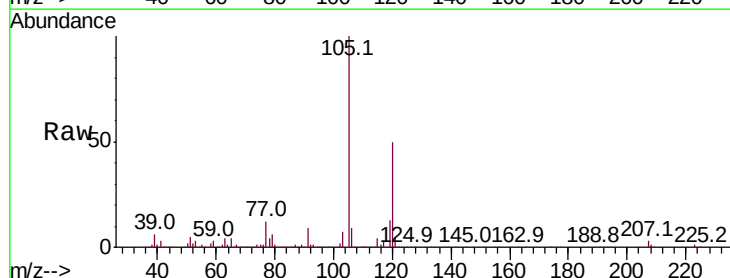
Acq: 07 Oct 2019 14:44

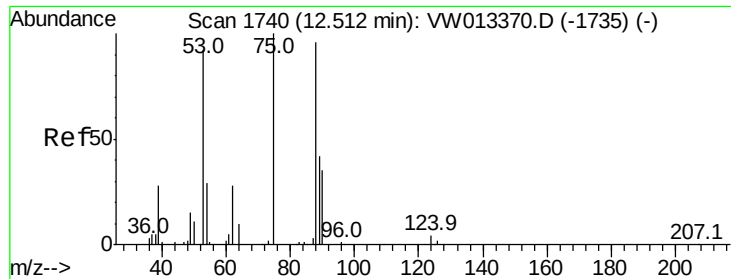
Tgt Ion:105 Resp: 206569

Ion Ratio Lower Upper

105 100

120 50.7 24.9 74.8

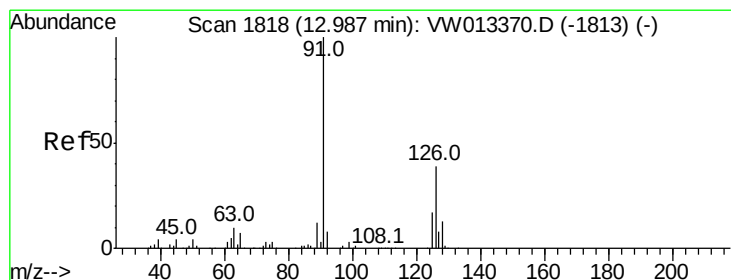
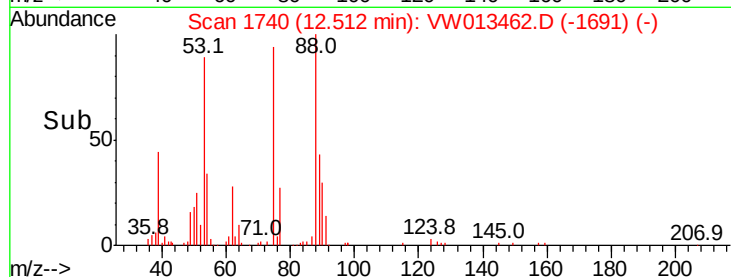
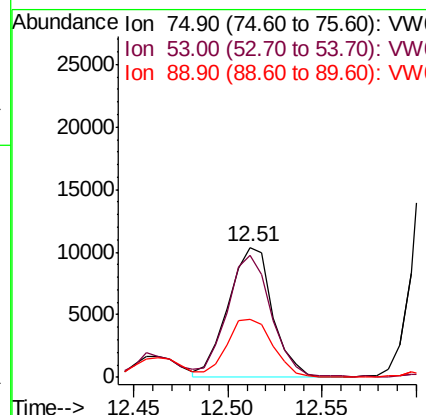
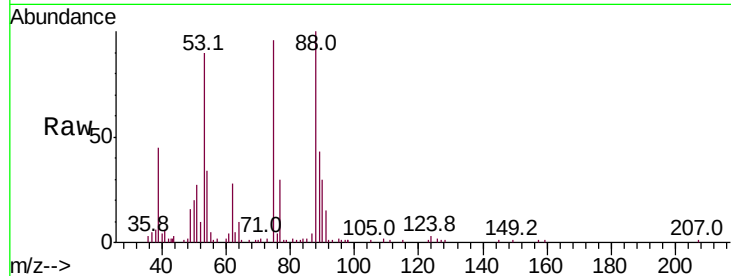




#81
trans-1,4-Dichloro-2-butene
Concen: 26.939 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

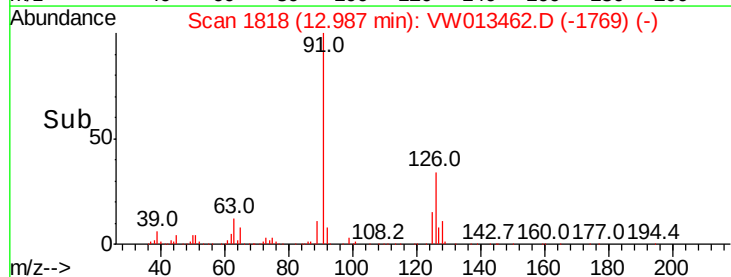
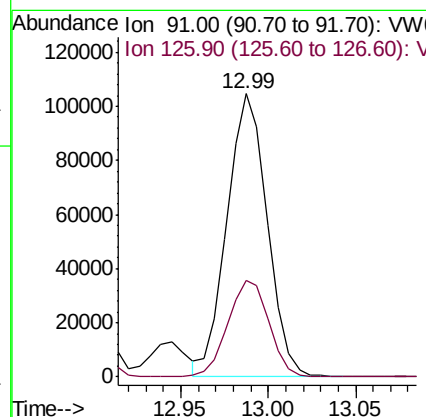
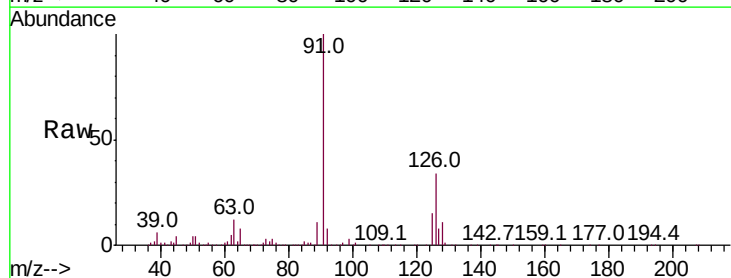
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

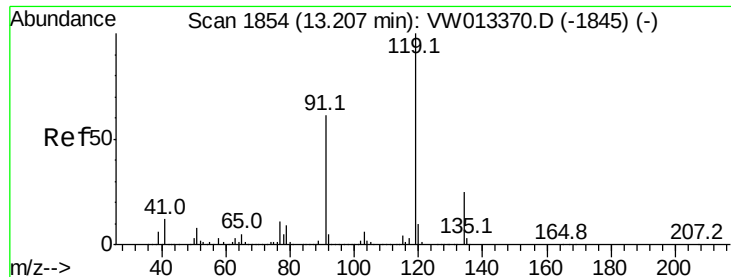
Tot Ion: 75 Resp: 16996
Ion Ratio Lower Upper
75 100
53 91.2 76.6 114.8
89 45.8 33.5 50.3



#82
4-Chlorotoluene
Concen: 20.701 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion: 91 Resp: 166010
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7

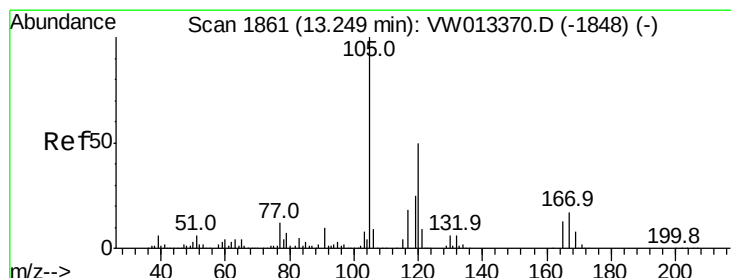
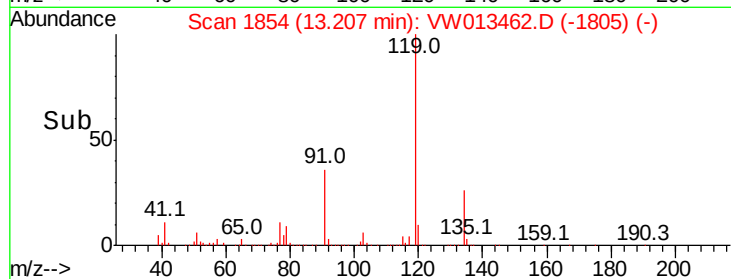
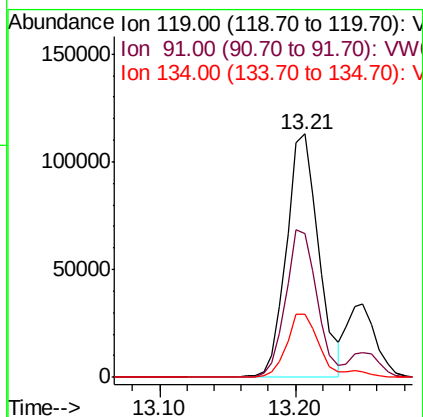
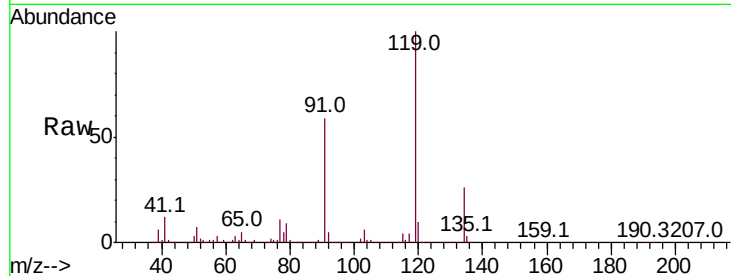




#83
tert-Butylbenzene
Concen: 21.280 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

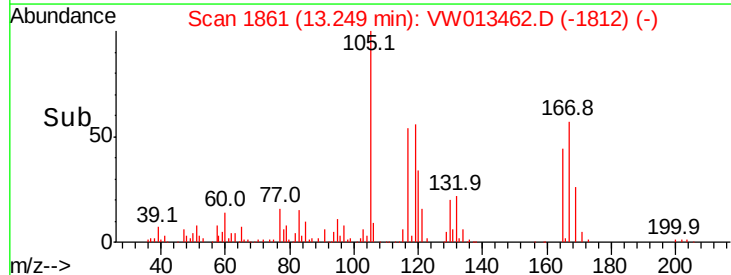
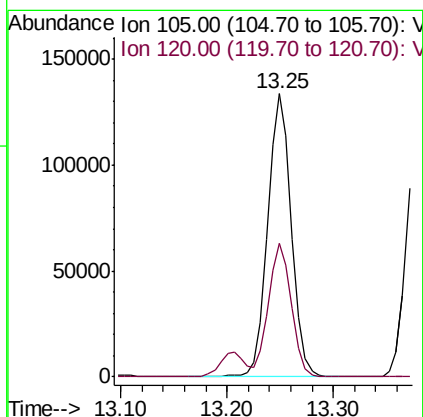
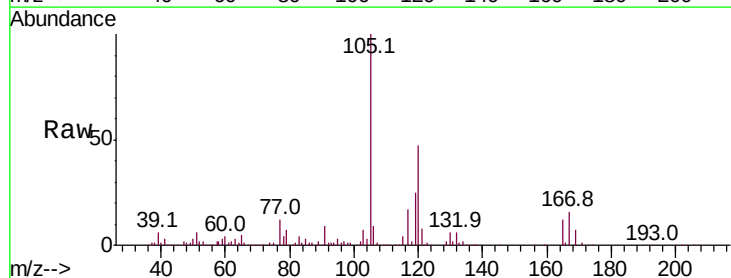
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

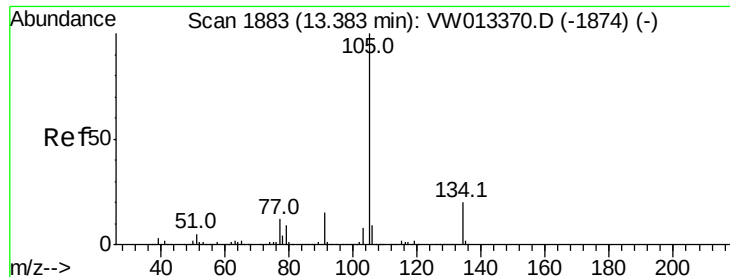
Tot Ion:119 Resp: 185009
Ion Ratio Lower Upper
119 100
91 58.7 30.7 92.1
134 26.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.851 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013462.D
Acq: 07 Oct 2019 14:44

Tgt Ion:105 Resp: 206323
Ion Ratio Lower Upper
105 100
120 45.7 23.4 70.3

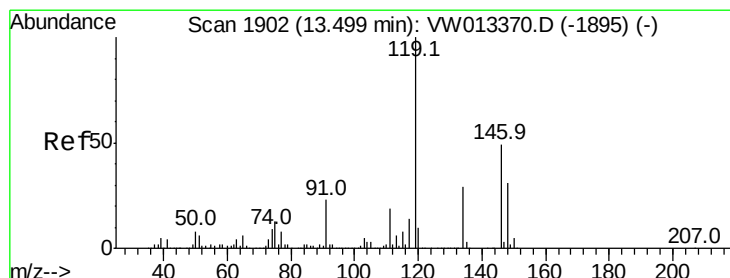
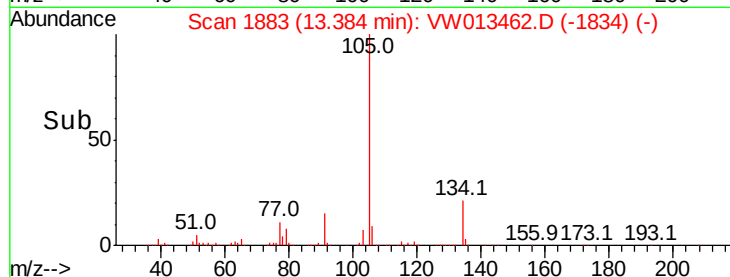
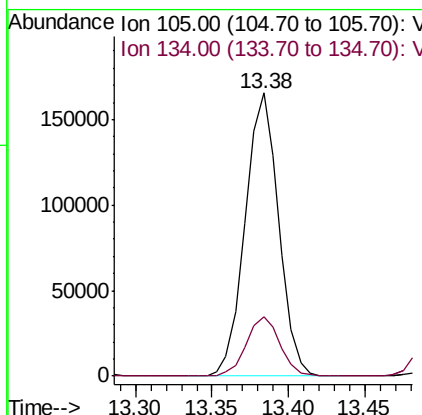
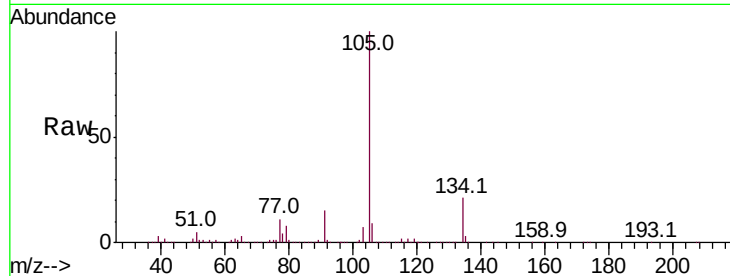




#85
 sec-Butylbenzene
 Concen: 20.970 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

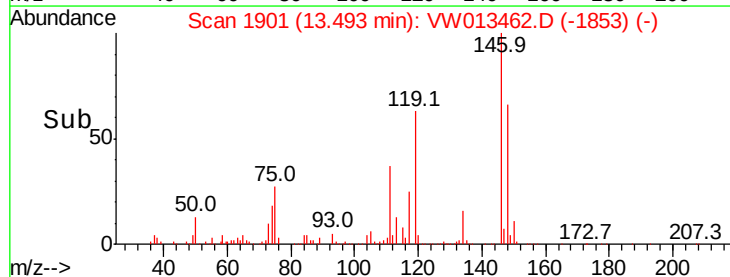
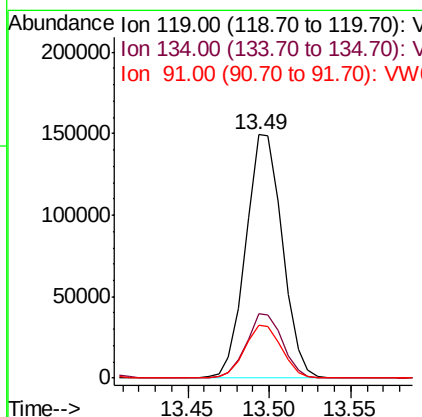
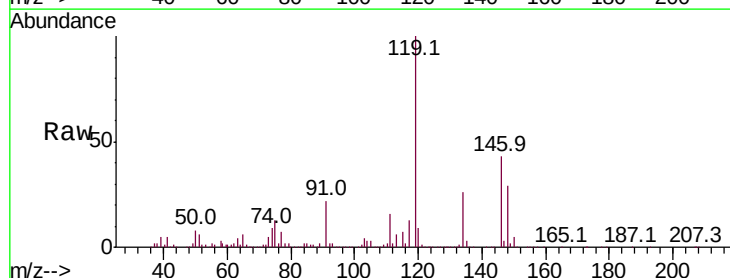
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

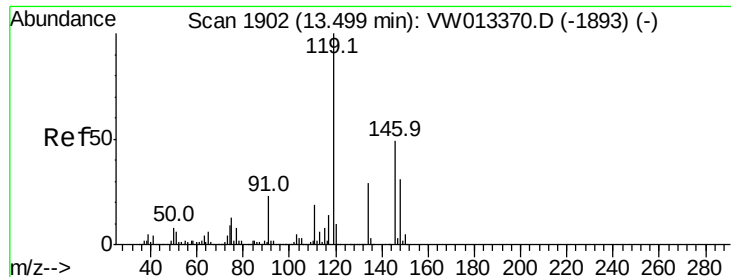
Tot Ion:105 Resp: 251364
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.971 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion:119 Resp: 232966
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 21.9 10.8 32.4

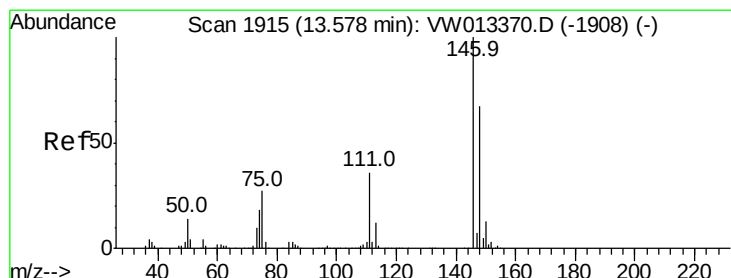
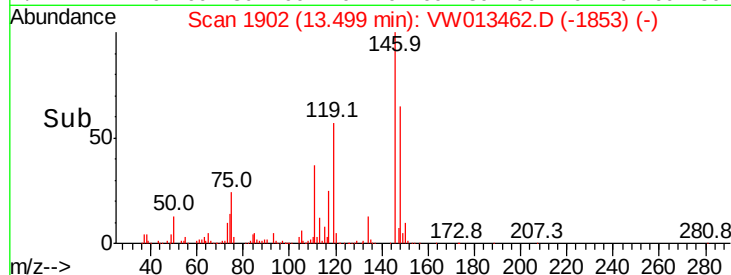
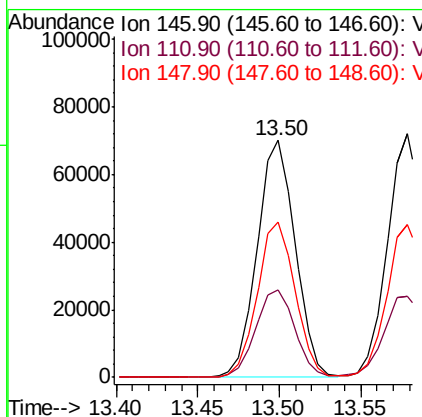
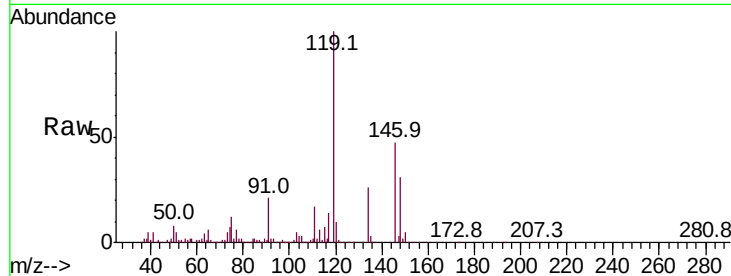




#87
 1,3-Dichlorobenzene
 Concen: 20.913 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

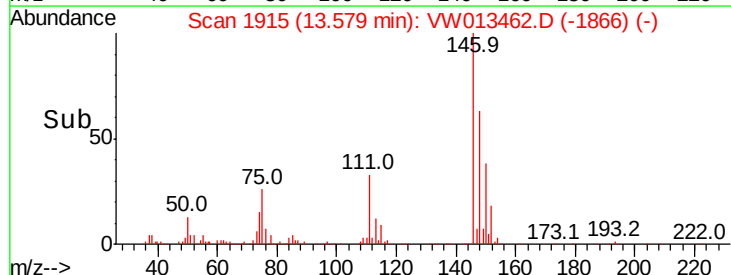
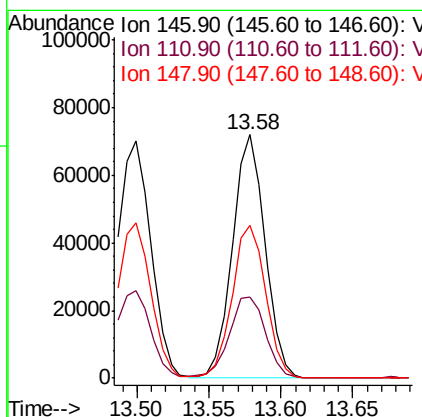
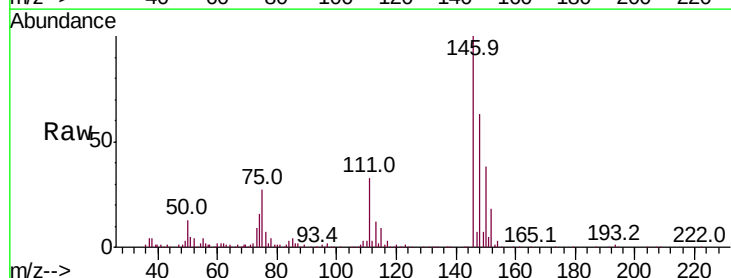
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

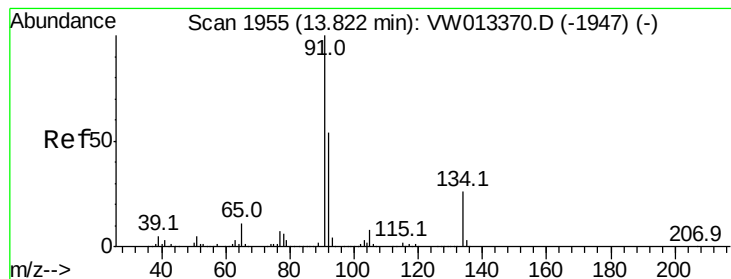
Tot Ion:146 Resp: 113202
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 65.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.972 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion:146 Resp: 113665
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.0
 148 64.8 32.1 96.3





#89

n-Butylbenzene

Concen: 21.014 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

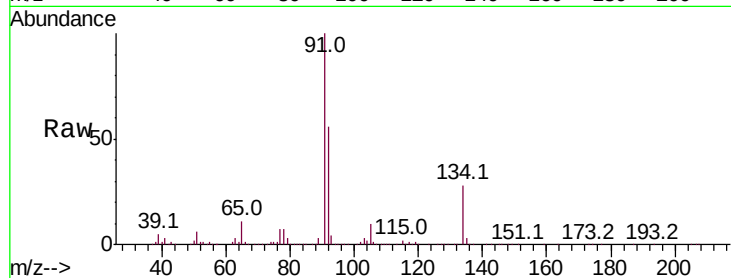
Tot Ion: 91 Resp: 210462

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.8

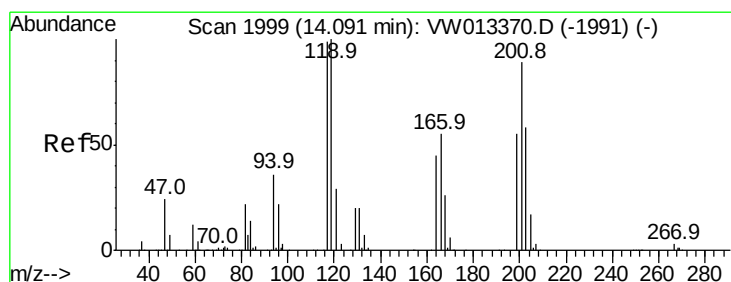
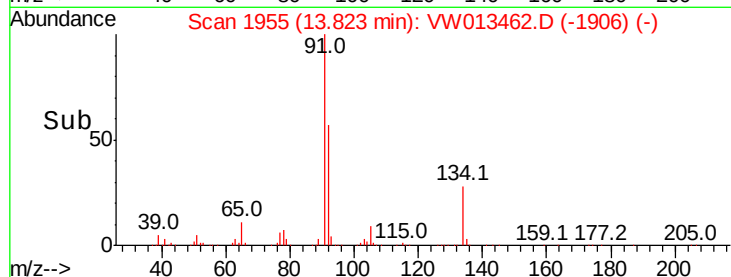
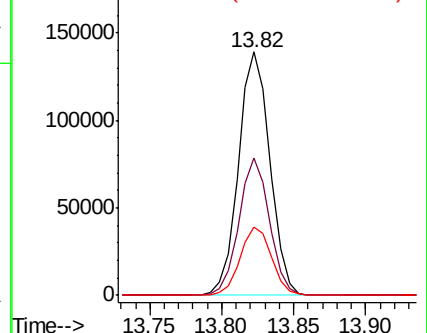
134 28.2 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.728 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013462.D

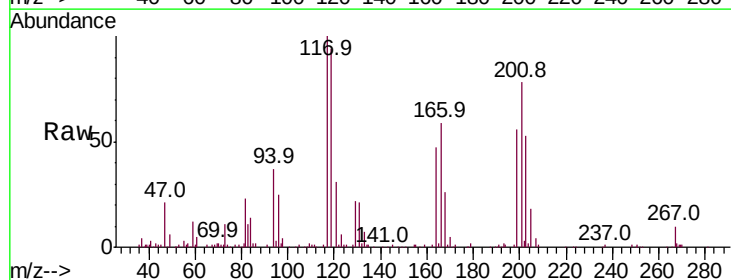
Acq: 07 Oct 2019 14:44

Tgt Ion: 117 Resp: 39879

Ion Ratio Lower Upper

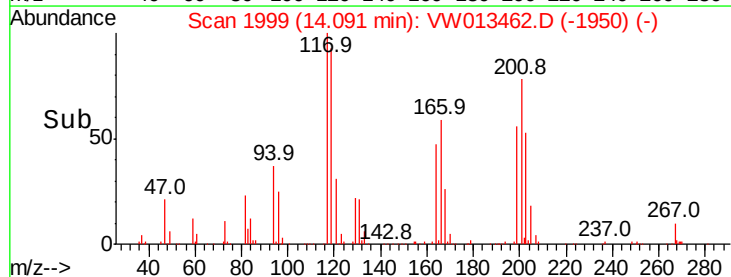
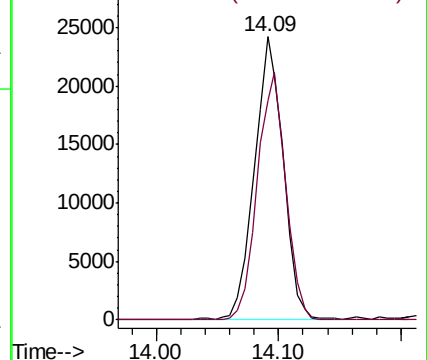
117 100

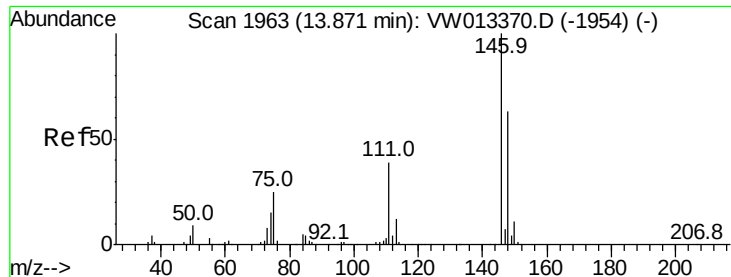
201 86.0 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

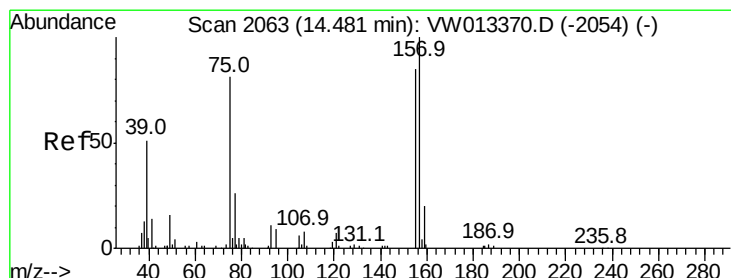
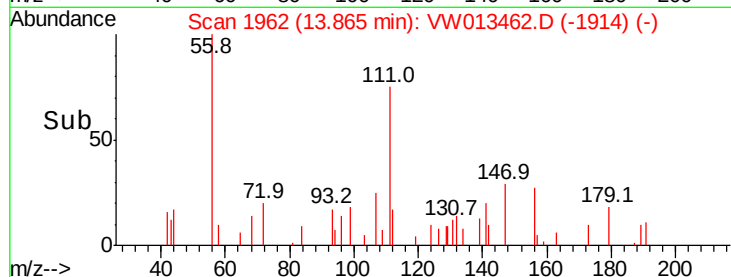
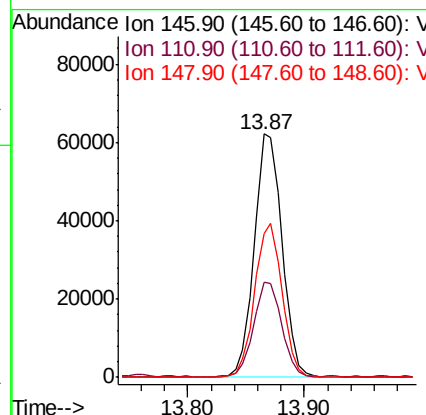
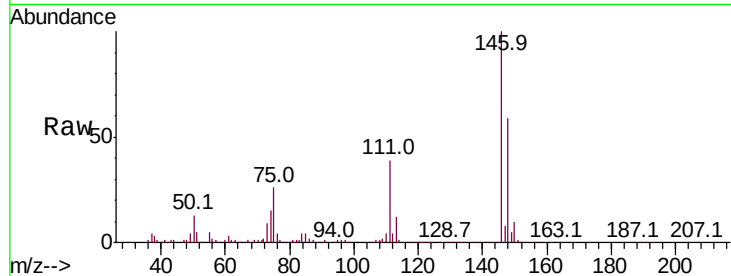




#91
 1,2-Dichlorobenzene
 Concen: 21.726 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

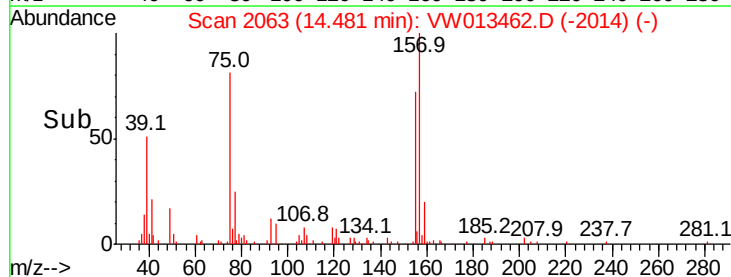
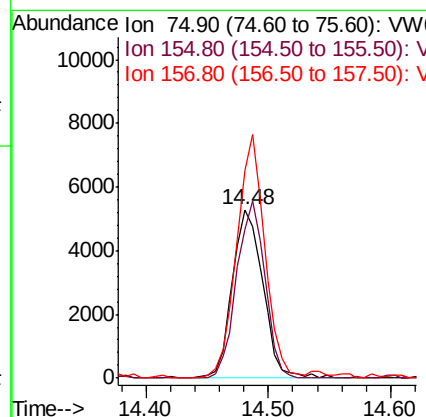
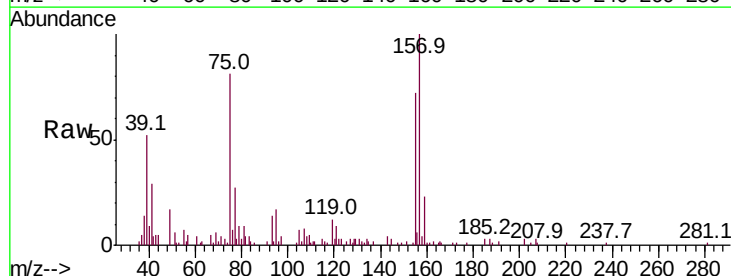
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

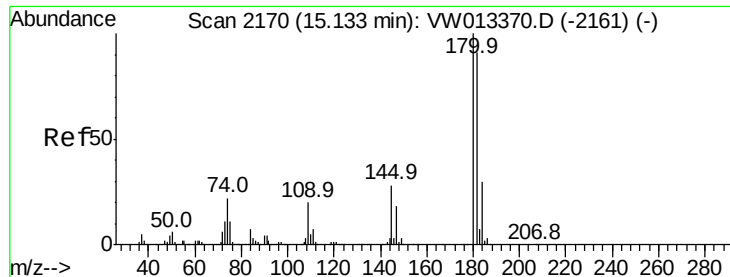
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.1	60.3
148	62.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.202 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	46.1	138.3
157	132.1	60.4	181.2

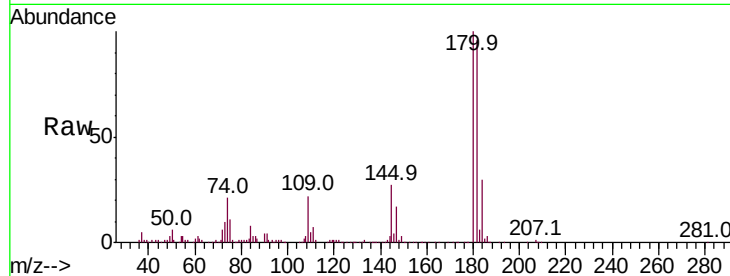




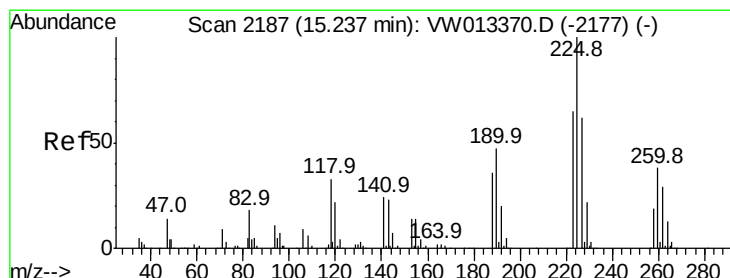
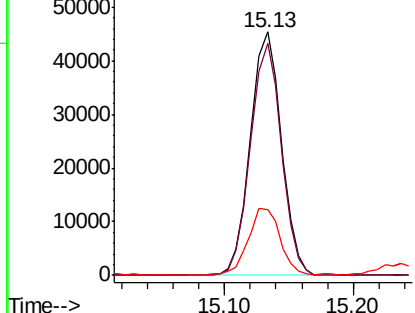
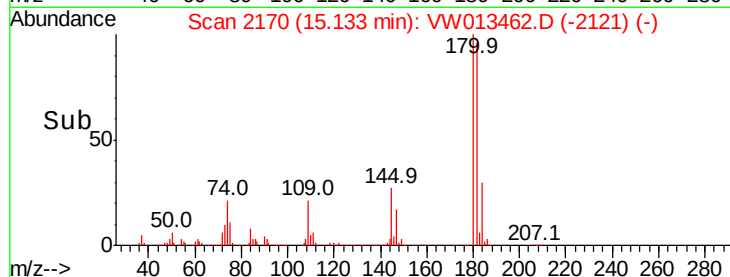
#93
 1,2,4-Trichlorobenzene
 Concen: 21.970 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Tot Ion:180 Resp: 75448
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.3 142.0
 145 28.0 14.2 42.8

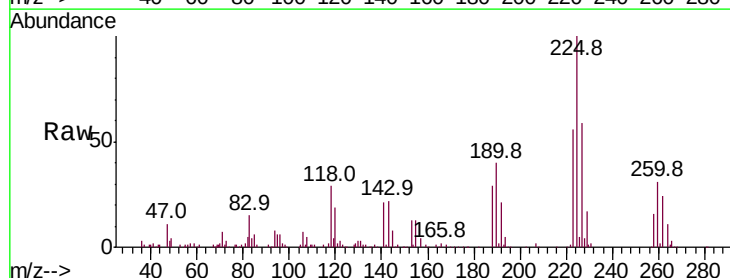


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

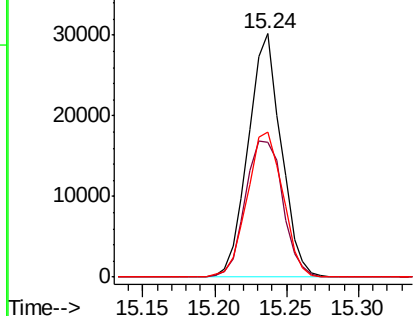
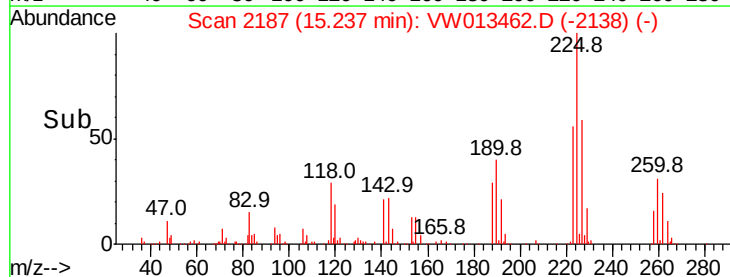


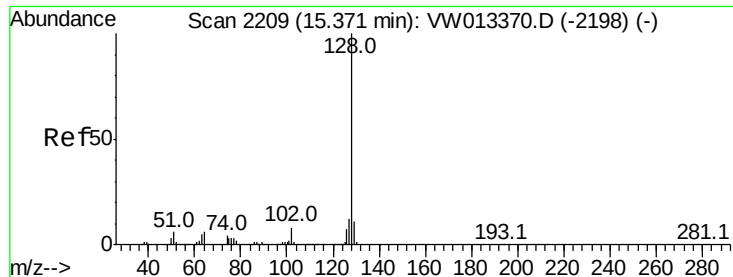
#94
 Hexachlorobutadiene
 Concen: 21.445 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013462.D
 Acq: 07 Oct 2019 14:44

Tgt Ion:225 Resp: 47839
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.6 91.8
 227 64.1 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: 26.250 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

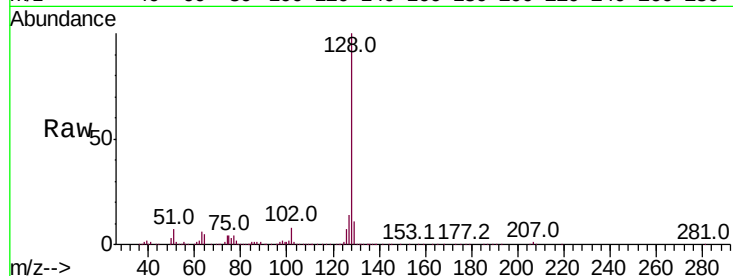
Tot Ion:128 Resp: 152068

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

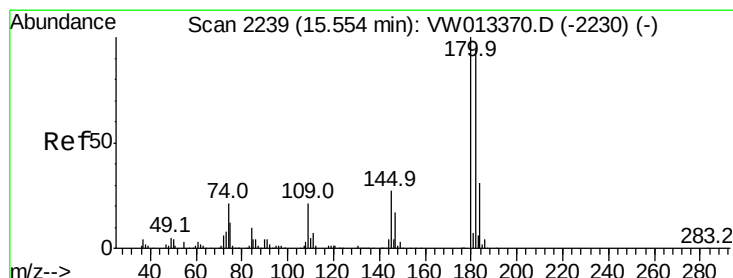
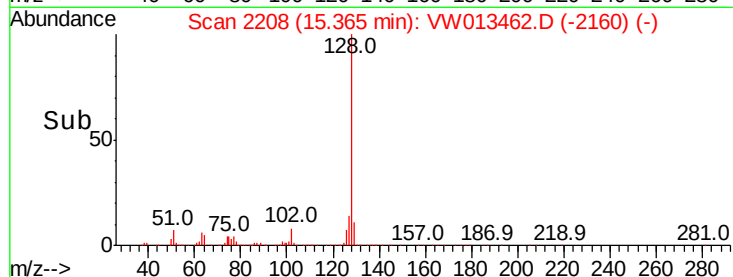
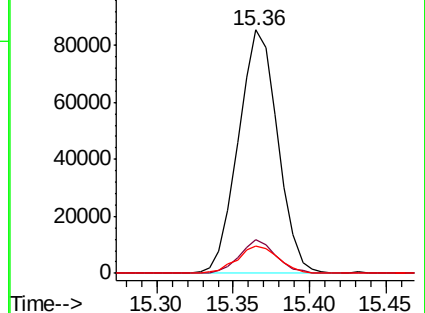
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.369 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

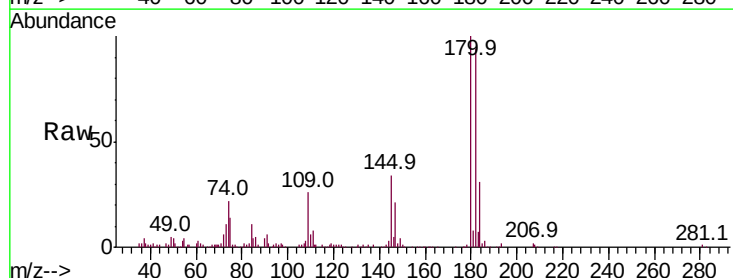
Tgt Ion:180 Resp: 67068

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 33.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

