

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012864.D
 Acq On : 10 Sep 2019 12:31
 Operator : SY/VA
 Sample : VW0910SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

Quant Time: Sep 10 15:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	107839	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	7.88	113	88468	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
50) Toluene-d8	10.32	98	368679	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.61	95	127216	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22661	19.292	ug/l	94
3) Chloromethane	2.21	50	29139	20.412	ug/l	90
4) Vinyl Chloride	2.36	62	37915	21.661	ug/l	99
5) Bromomethane	2.77	94	21938	23.081	ug/l	94
6) Chloroethane	2.91	64	22163	21.218	ug/l	92
7) Trichlorofluoromethane	3.25	101	24529	20.307	ug/l	100
8) Diethyl Ether	3.68	74	20680	20.370	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36873	19.452	ug/l	96
10) Methyl Iodide	4.27	142	46992	19.693	ug/l	100
11) Tert butyl alcohol	5.20	59	16173	87.312	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	34841	19.471	ug/l	93
13) Acrolein	3.89	56	16788	85.406	ug/l	97
14) Allyl chloride	4.67	41	67378	18.202	ug/l	98
15) Acrylonitrile	5.36	53	54263	91.513	ug/l	98
16) Acetone	4.13	43	51729	78.375	ug/l	97
17) Carbon Disulfide	4.38	76	73324	19.305	ug/l	99
18) Methyl Acetate	4.67	43	27637	17.848	ug/l	95
19) Methyl tert-butyl Ether	5.41	73	69863	19.687	ug/l	93
20) Methylene Chloride	4.92	84	40702	19.712	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	36746	20.126	ug/l	91
22) Diisopropyl ether	6.31	45	138245	18.830	ug/l	97
23) Vinyl Acetate	6.25	43	433525	93.177	ug/l	98
24) 1,1-Dichloroethane	6.21	63	75876	19.195	ug/l	100
25) 2-Butanone	7.17	43	79221	94.782	ug/l	94
26) 2,2-Dichloropropane	7.16	77	52677	21.099	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	42502	20.076	ug/l	99
28) Bromochloromethane	7.51	49	30964	17.059	ug/l	89
29) Tetrahydrofuran	7.53	42	46128	86.546	ug/l	94
30) Chloroform	7.67	83	74504	19.017	ug/l	98
31) Cyclohexane	7.95	56	69750	19.600	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	61142	19.254	ug/l	99
36) 1,1-Dichloropropene	8.08	75	57479	20.120	ug/l	98
37) Ethyl Acetate	7.25	43	33434	18.359	ug/l	99
38) Carbon Tetrachloride	8.06	117	55191	19.598	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67030	20.891	ug/l	94
40) Benzene	8.32	78	159020	20.062	ug/l	98
41) Methacrylonitrile	7.48	41	20046	18.788	ug/l	94
42) 1,2-Dichloroethane	8.40	62	53107	19.038	ug/l	97
43) Isopropyl Acetate	8.42	43	63563	18.422	ug/l	97
44) Trichloroethene	9.09	130	43351	21.218	ug/l	89
45) 1,2-Dichloropropane	9.37	63	42623	19.388	ug/l	95
46) Dibromomethane	9.46	93	21132	20.299	ug/l	98
47) Bromodichloromethane	9.64	83	54620	19.071	ug/l	97
48) Methyl methacrylate	9.44	41	29673	17.996	ug/l	97
49) 1,4-Dioxane	9.47	88	7244	352.280	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	164664	90.951	ug/l	97
52) Toluene	10.39	92	99419	20.096	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	56752	19.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	64469	19.297	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30645	19.663	ug/l	96
56) Ethyl methacrylate	10.65	69	43777	19.189	ug/l	98
57) 1,3-Dichloropropane	10.93	76	55702	19.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	113770	93.936	ug/l	97
59) 2-Hexanone	10.97	43	114044	86.221	ug/l	97
60) Dibromochloromethane	11.13	129	35696	19.475	ug/l	99
61) 1,2-Dibromoethane	11.23	107	29057	20.336	ug/l	98
64) Tetrachloroethene	10.87	164	36207	21.820	ug/l	88
65) Chlorobenzene	11.66	112	107960	20.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	39035	20.280	ug/l	98
67) Ethyl Benzene	11.73	91	199193	20.541	ug/l	99
68) m/p-Xylenes	11.84	106	146216	41.772	ug/l	98
69) o-Xylene	12.16	106	68396	20.712	ug/l	98
70) Styrene	12.18	104	120381	20.629	ug/l	98
71) Bromoform	12.35	173	21226	19.849	ug/l #	97
73) Isopropylbenzene	12.46	105	201125	20.295	ug/l	100
74) N-amyl acetate	12.27	43	57162	18.172	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37012	18.597	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	50057	35.430	ug/l #	100
77) Bromobenzene	12.75	156	46010	20.493	ug/l	92
78) n-propylbenzene	12.80	91	234443	19.780	ug/l	99
79) 2-Chlorotoluene	12.89	91	133641	19.641	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	167848	20.100	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	11918	17.841	ug/l	98
82) 4-Chlorotoluene	12.99	91	141148	19.612	ug/l	99
83) tert-Butylbenzene	13.21	119	149417	20.236	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	168905	20.074	ug/l	98
85) sec-Butylbenzene	13.38	105	204232	19.933	ug/l	99
86) p-Isopropyltoluene	13.50	119	187494	20.034	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	88584	20.073	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	88617	20.180	ug/l	100
89) n-Butylbenzene	13.82	91	177048	19.486	ug/l	100
90) Hexachloroethane	14.09	117	30857	18.887	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	80179	20.186	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6407	17.591	ug/l	98

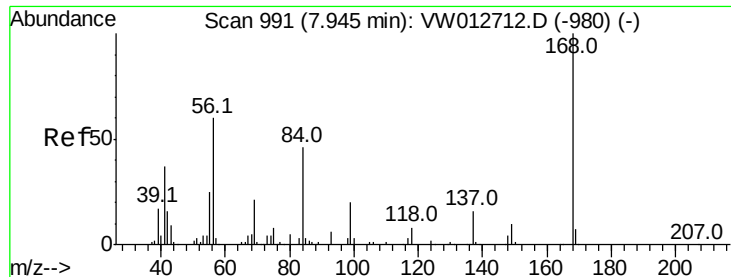
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
Data File : VW012864.D
Acq On : 10 Sep 2019 12:31
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Sample : VW0910SBSD01
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Quant Time: Sep 10 15:02:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57488	20.788	ug/l	98
94) Hexachlorobutadiene	15.24	225	38954	20.351	ug/l	97
95) Naphthalene	15.36	128	100389	20.219	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	49138	20.130	ug/l	100

(#) = 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: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

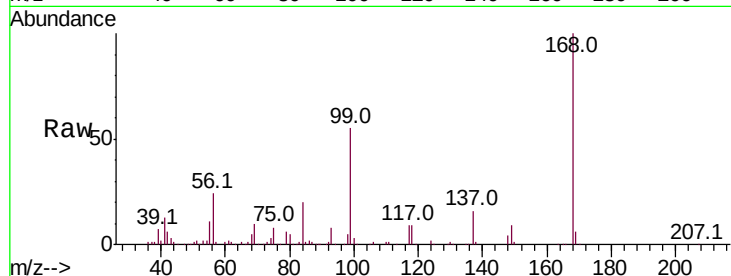
VW0910SBSD01

Tot Ion:168 Resp: 216678

Ion Ratio Lower Upper

168 100

99 55.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

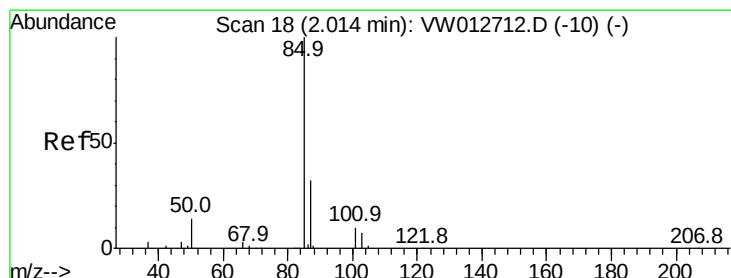
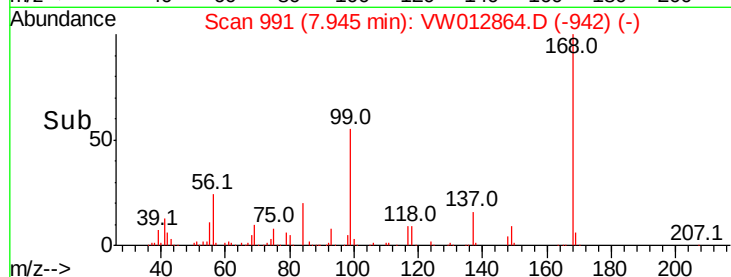
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.292 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012864.D

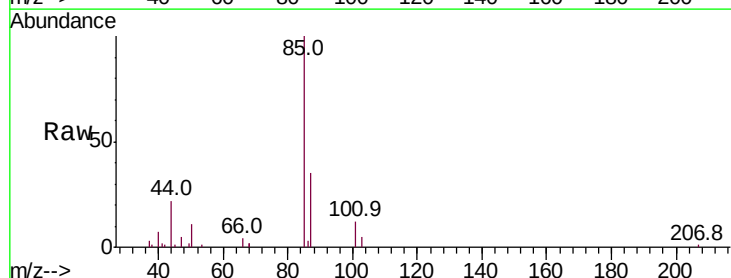
Acq: 10 Sep 2019 12:31

Tgt Ion: 85 Resp: 22661

Ion Ratio Lower Upper

85 100

87 35.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

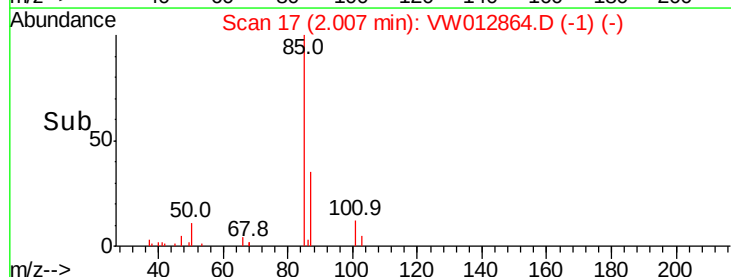
6000

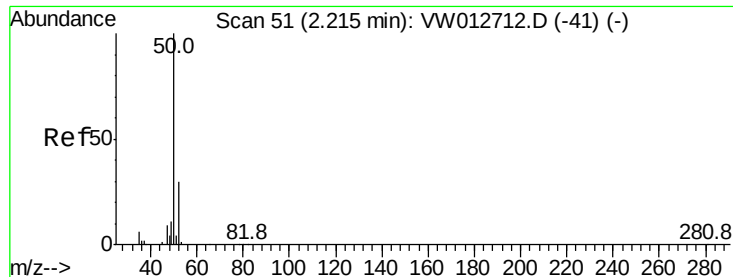
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.412 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

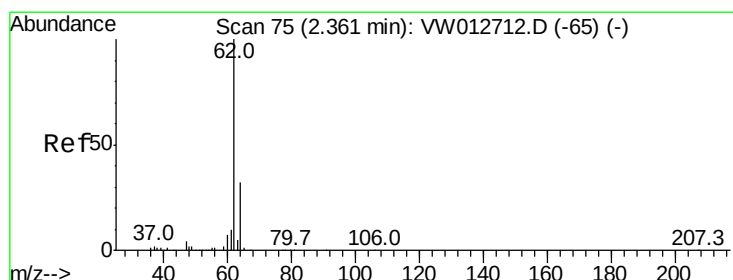
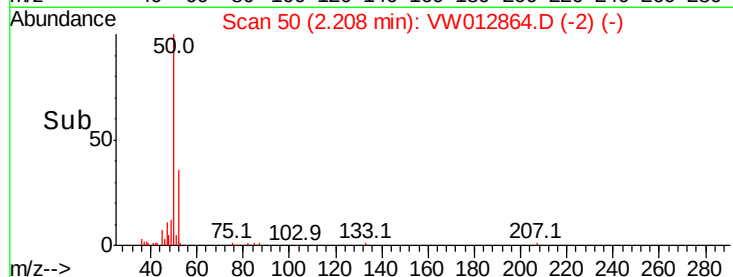
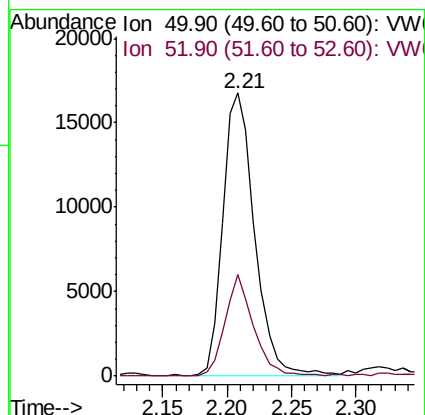
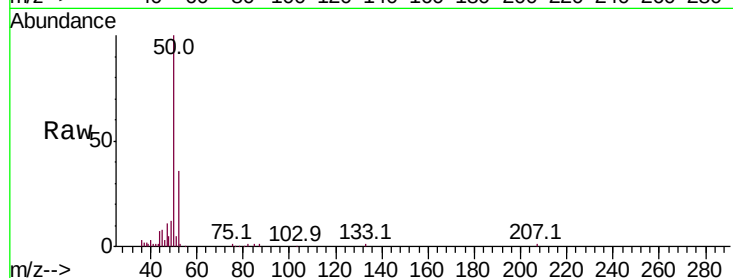
VW0910SBSD01

Tot Ion: 50 Resp: 29139

Ion Ratio Lower Upper

50 100

52 35.8 24.2 36.2



#4

Vinyl Chloride

Concen: 21.661 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012864.D

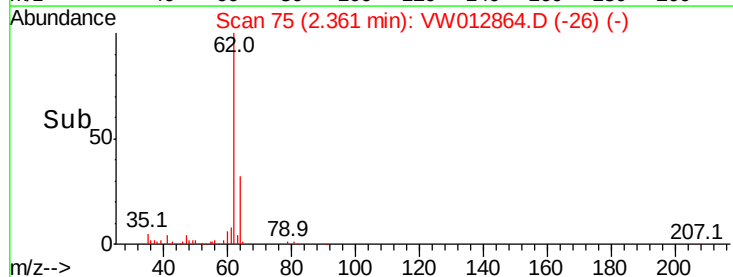
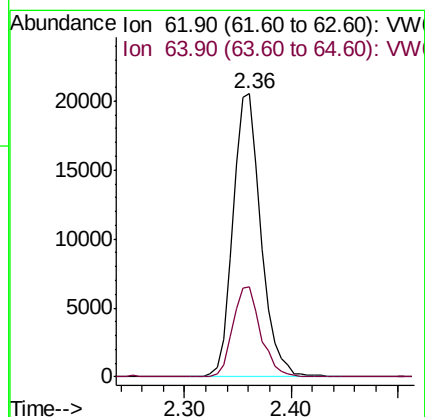
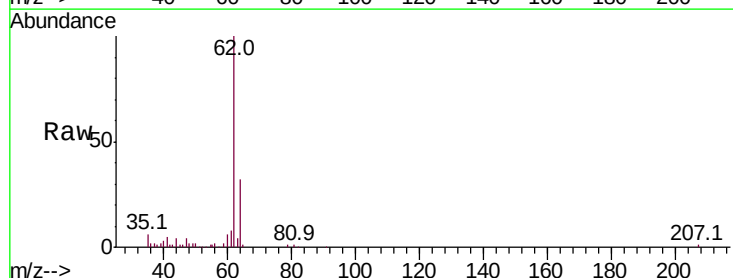
Acq: 10 Sep 2019 12:31

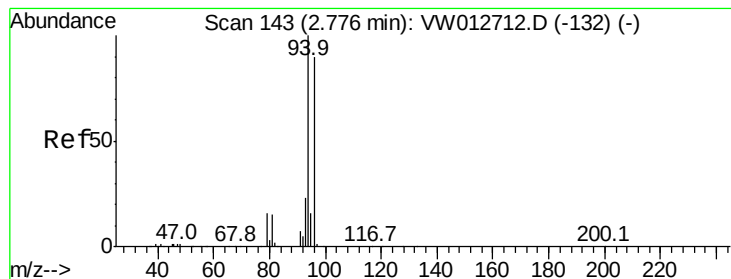
Tgt Ion: 62 Resp: 37915

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 23.081 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

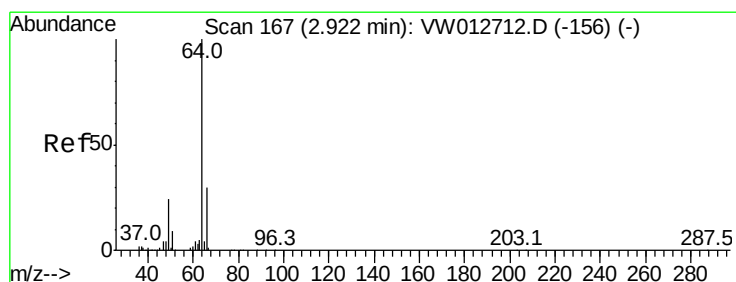
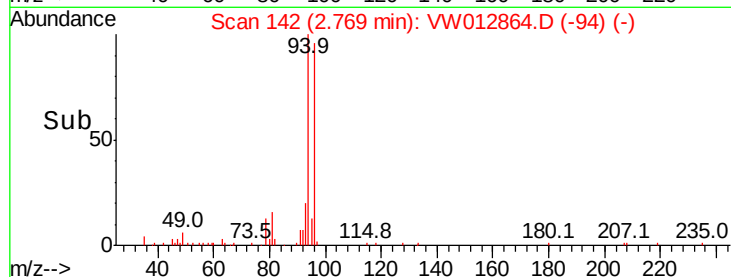
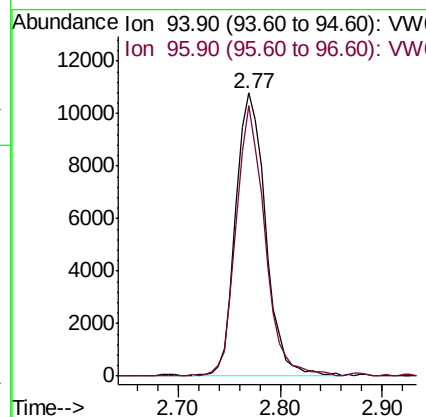
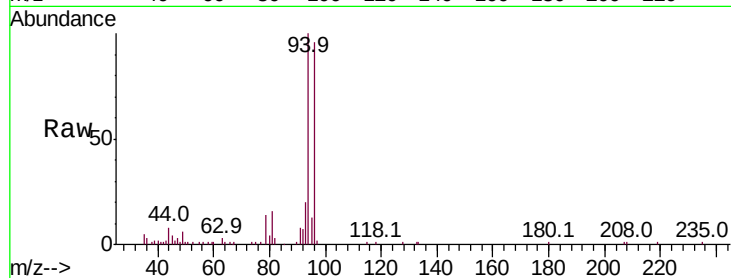
VW0910SBSD01

Tot Ion: 94 Resp: 21938

Ion Ratio Lower Upper

94 100

96 95.6 72.1 108.1



#6

Chloroethane

Concen: 21.218 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012864.D

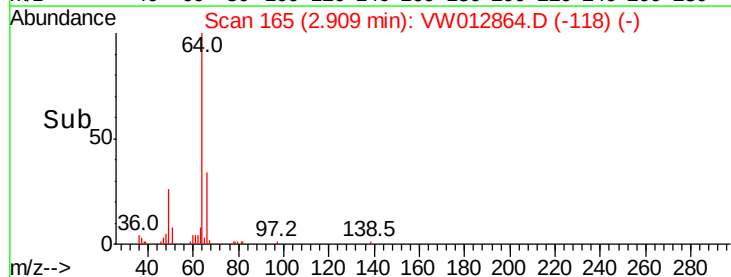
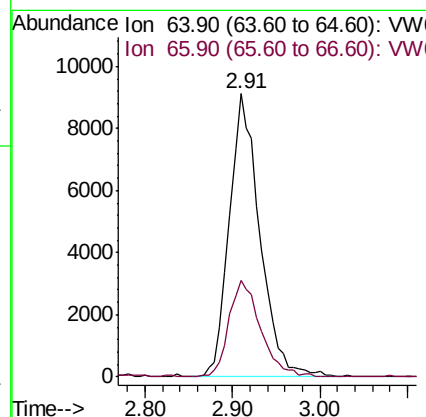
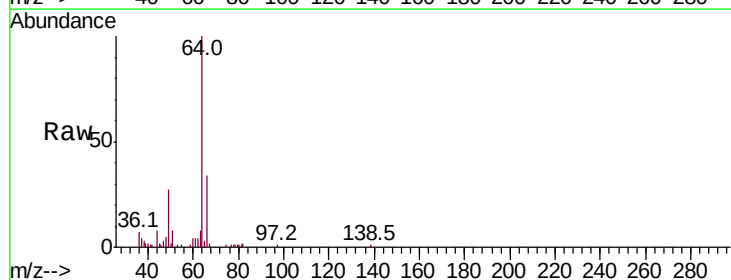
Acq: 10 Sep 2019 12:31

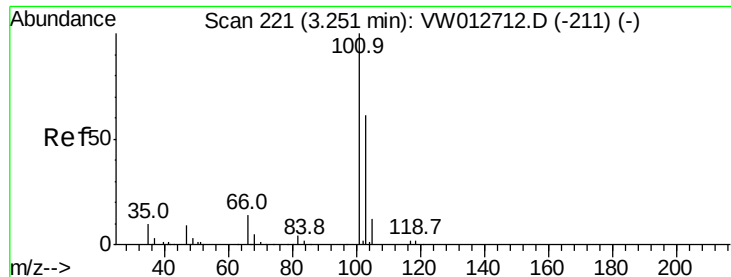
Tgt Ion: 64 Resp: 22163

Ion Ratio Lower Upper

64 100

66 33.9 23.8 35.6



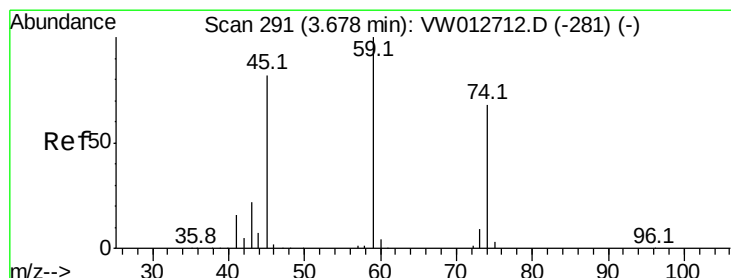
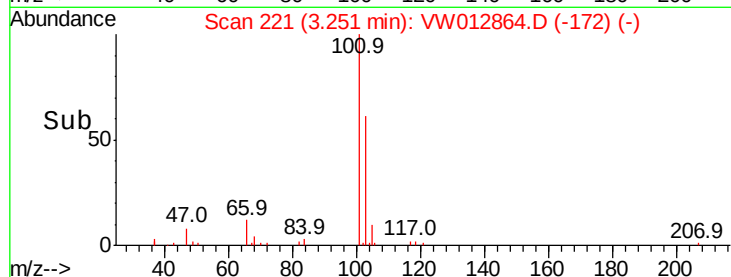
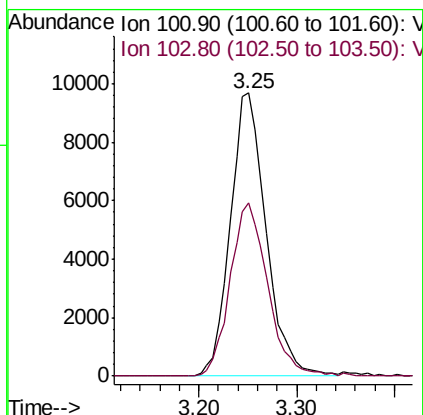
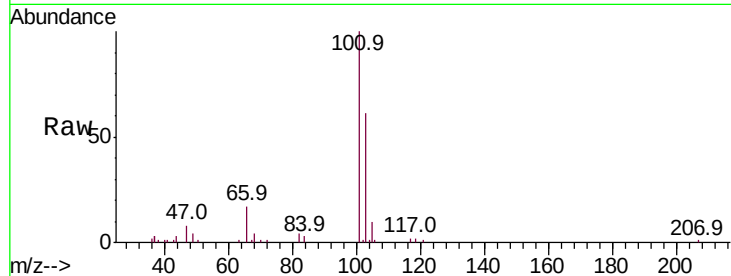


#7

Trichlorofluoromethane
 Concen: 20.307 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

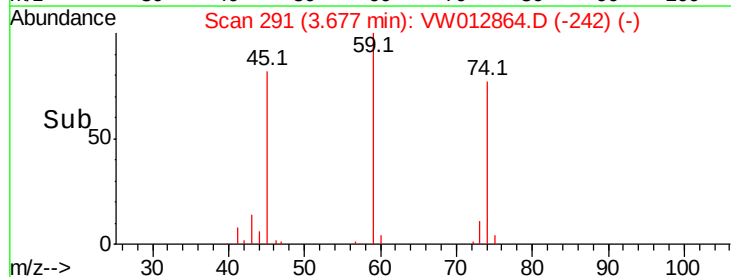
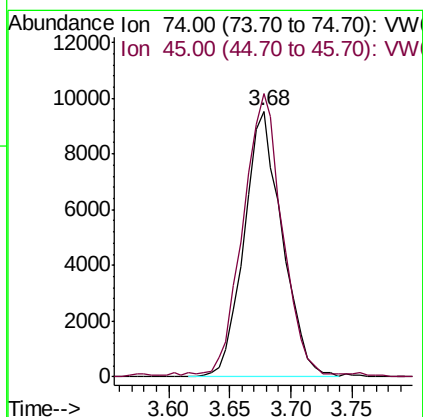
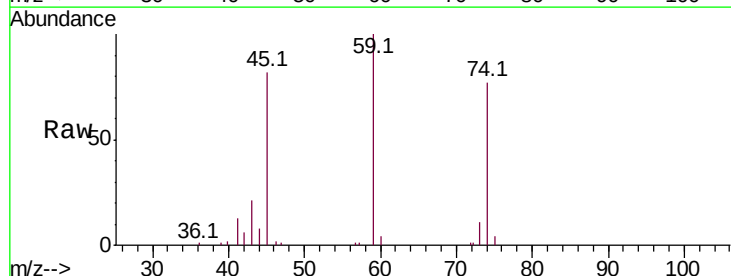
Tot Ion:101 Resp: 24529
 Ion Ratio Lower Upper
 101 100
 103 61.1 49.0 73.4

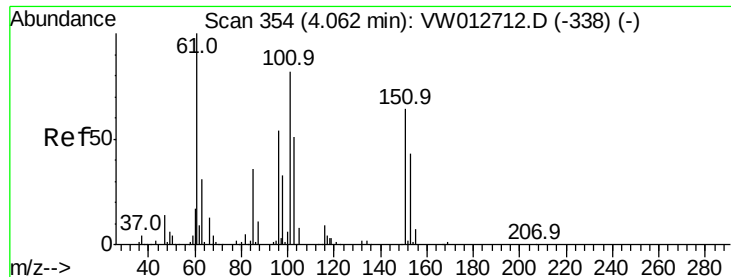


#8

Diethyl Ether
 Concen: 20.370 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion: 74 Resp: 20680
 Ion Ratio Lower Upper
 74 100
 45 107.2 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.452 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

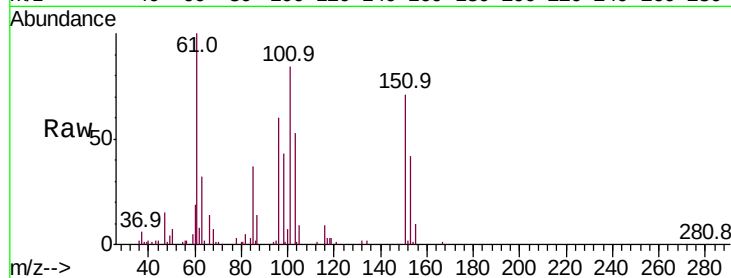
Tot Ion:101 Resp: 36873

Ion Ratio Lower Upper

101 100

85 45.8 36.2 54.2

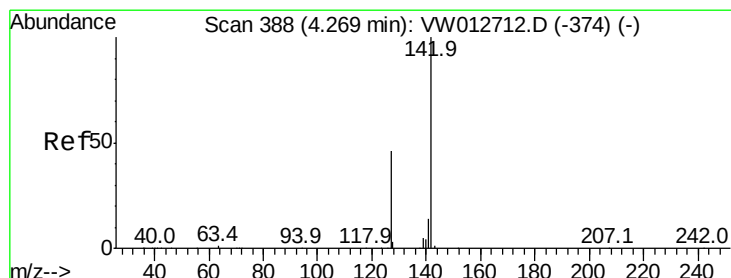
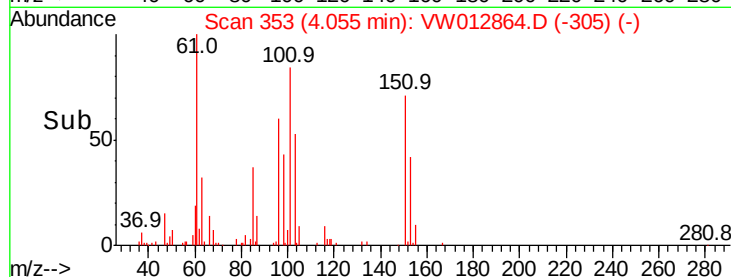
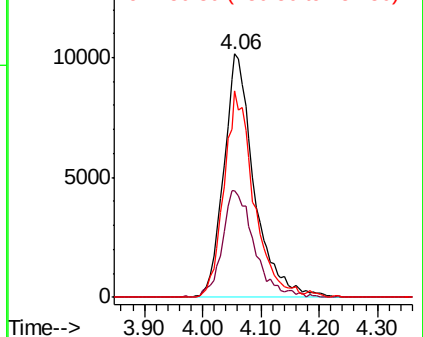
151 82.7 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.693 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

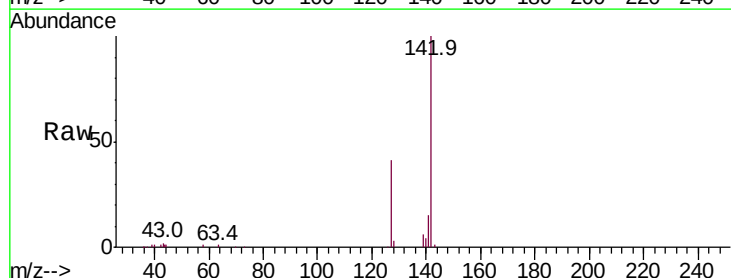
Tgt Ion:142 Resp: 46992

Ion Ratio Lower Upper

142 100

127 44.7 36.0 54.0

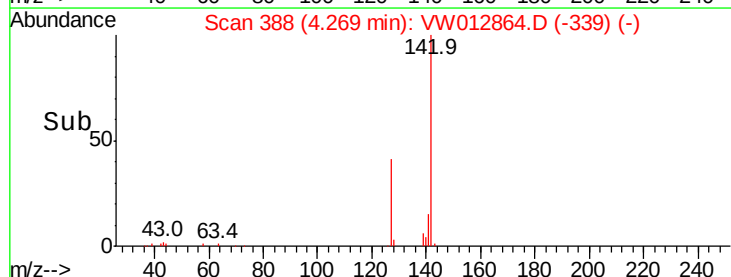
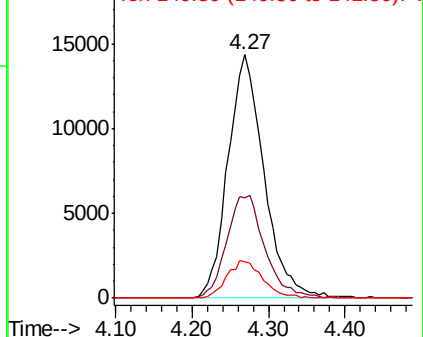
141 15.3 12.2 18.4

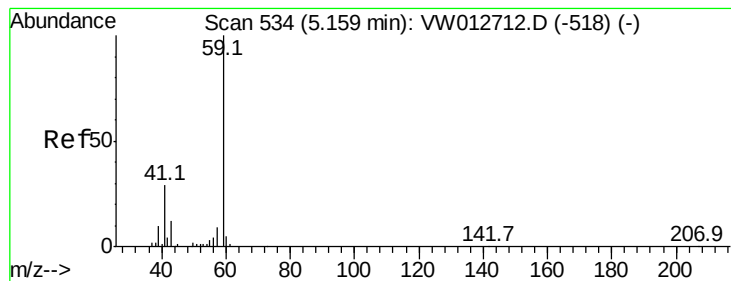


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



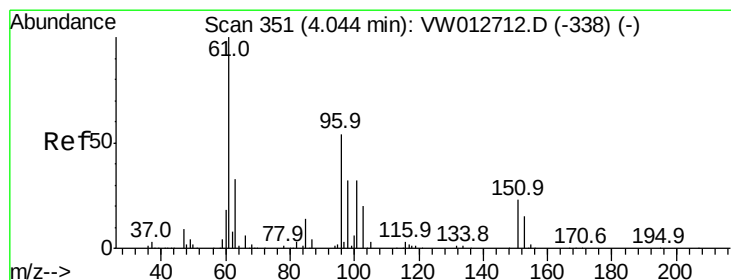
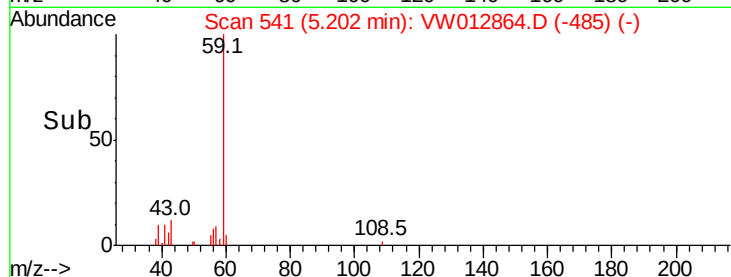
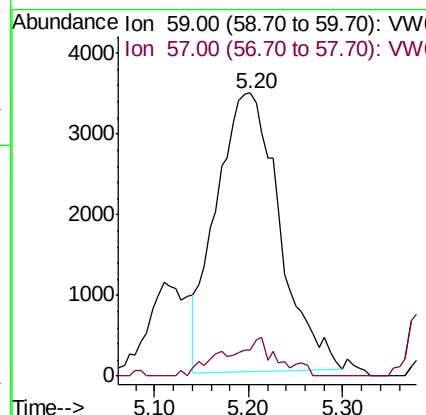
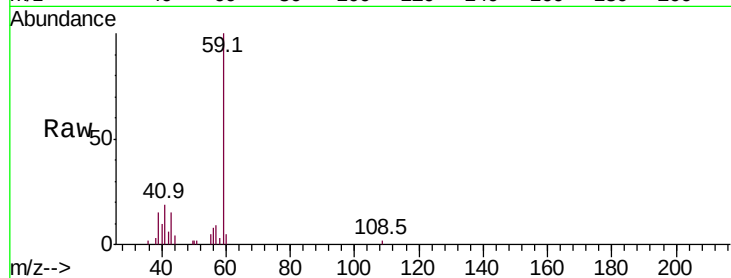


#11

Tert butyl alcohol
 Concen: 87.312 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

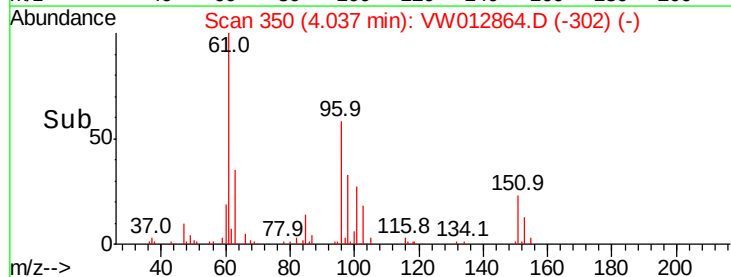
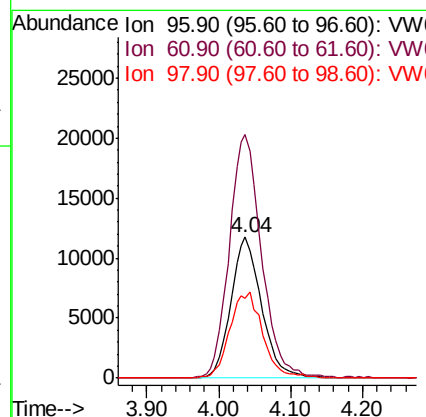
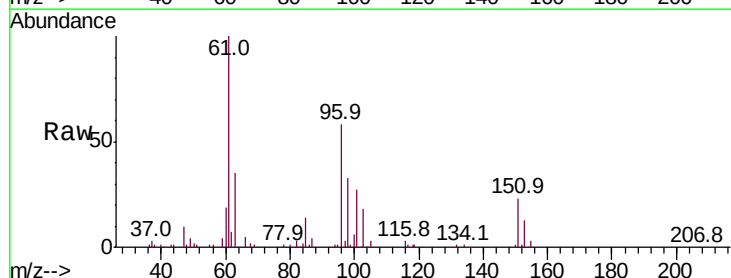
Tot Ion: 59 Resp: 16173
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.2 12.4#

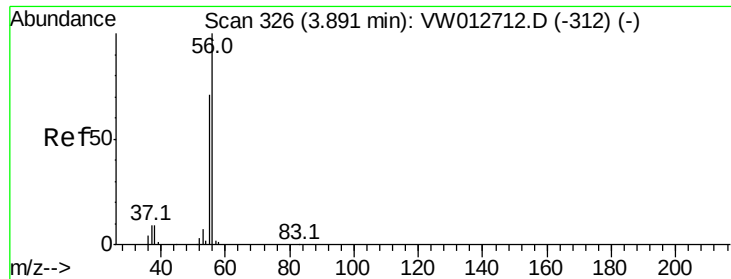


#12

1,1-Dichloroethene
 Concen: 19.471 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion: 96 Resp: 34841
 Ion Ratio Lower Upper
 96 100
 61 173.2 147.8 221.6
 98 56.4 47.9 71.9





#13

Acrolein

Concen: 85.406 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

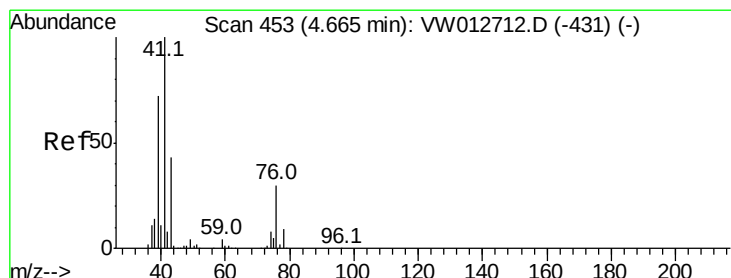
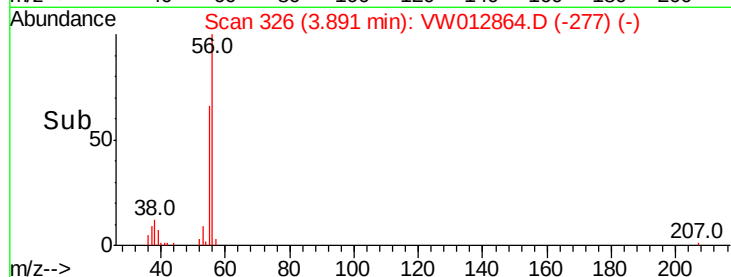
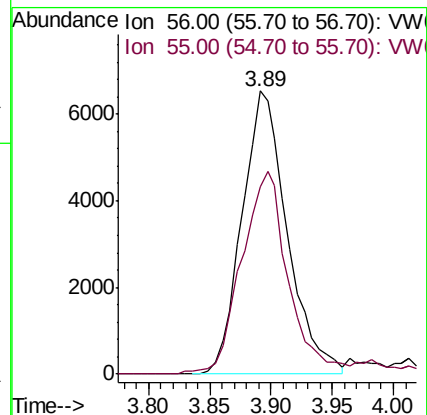
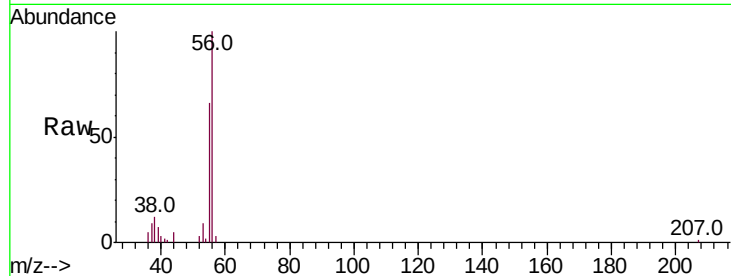
VW0910SBSD01

Tot Ion: 56 Resp: 16788

Ion Ratio Lower Upper

56 100

55 73.8 56.9 85.3



#14

Allyl chloride

Concen: 18.202 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

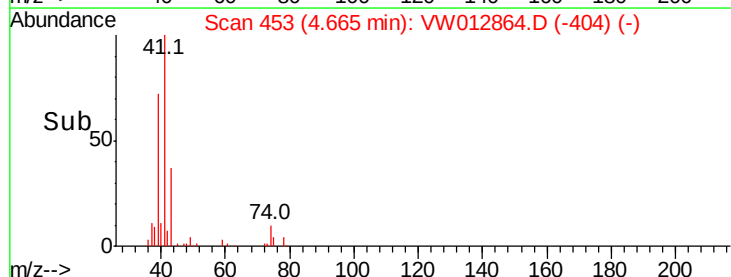
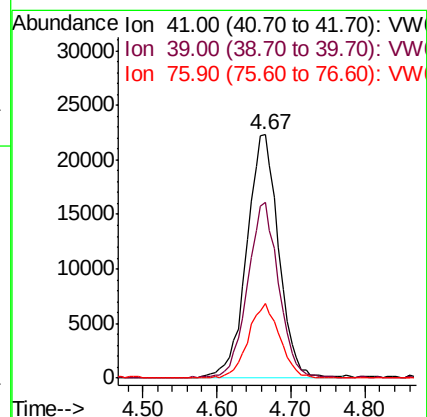
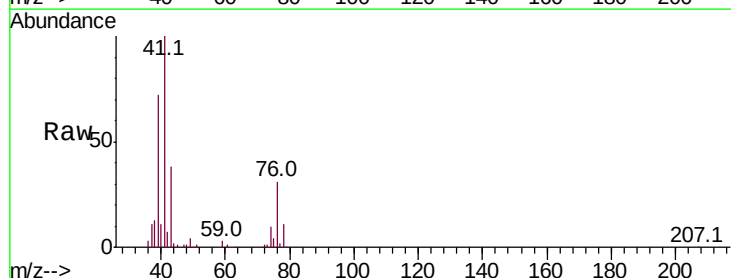
Tgt Ion: 41 Resp: 67378

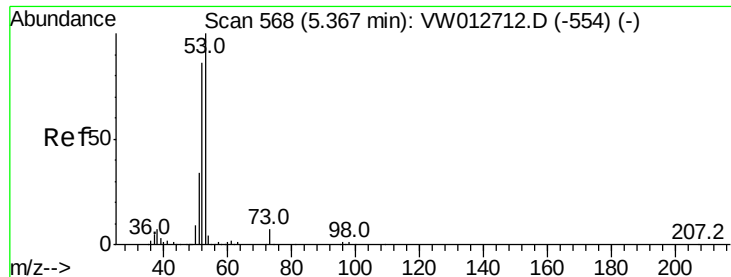
Ion Ratio Lower Upper

41 100

39 70.3 55.0 82.6

76 30.0 23.0 34.4





#15

Acrylonitrile

Concen: 91.513 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

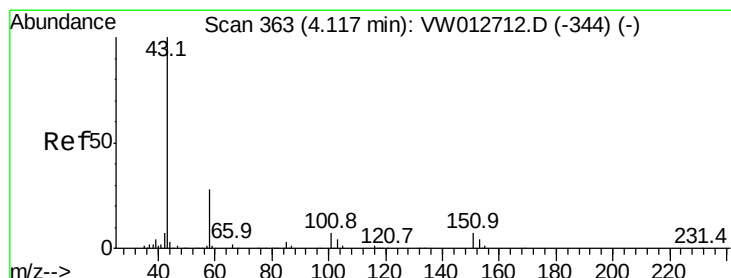
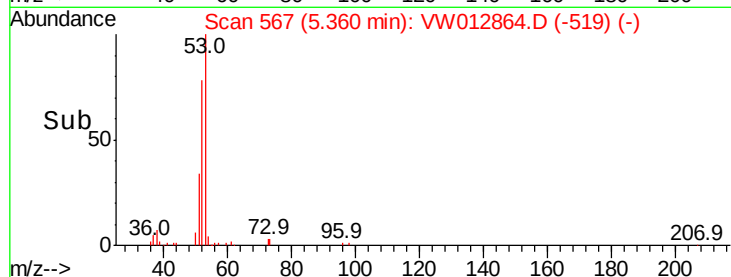
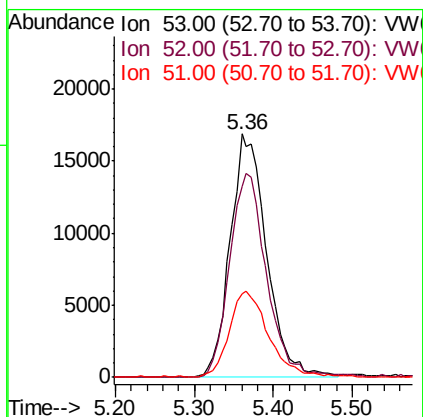
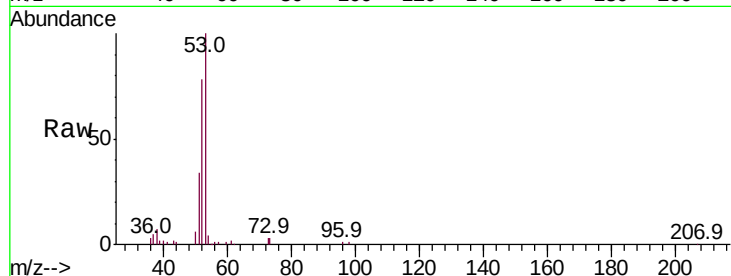
Tot Ion: 53 Resp: 54263

Ion Ratio Lower Upper

53 100

52 85.5 67.0 100.4

51 38.3 29.8 44.8



#16

Acetone

Concen: 78.375 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012864.D

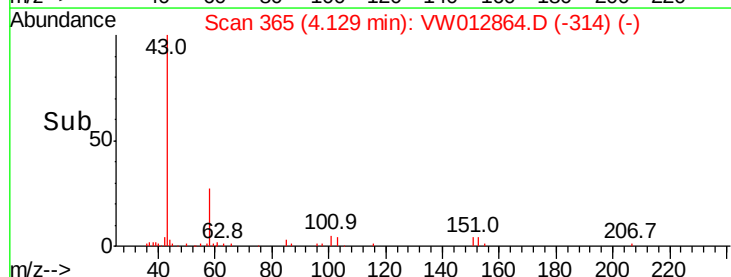
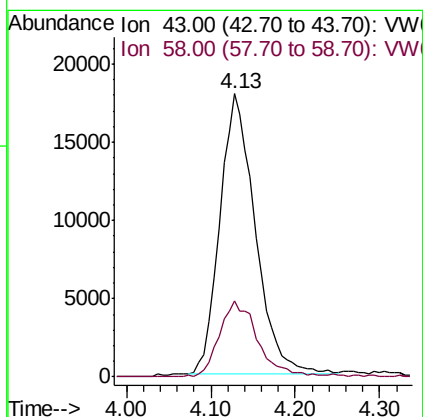
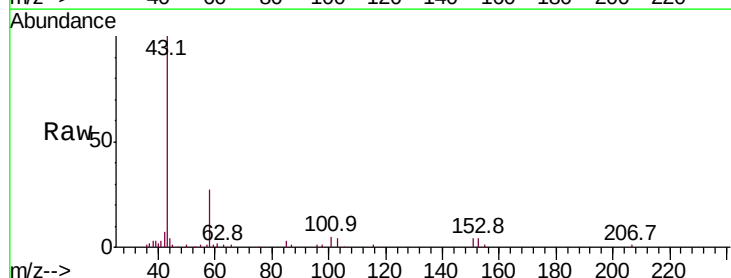
Acq: 10 Sep 2019 12:31

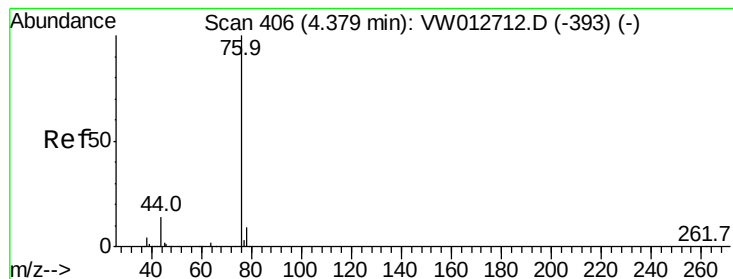
Tgt Ion: 43 Resp: 51729

Ion Ratio Lower Upper

43 100

58 26.4 22.6 33.8





#17

Carbon Disulfide

Concen: 19.305 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleID :

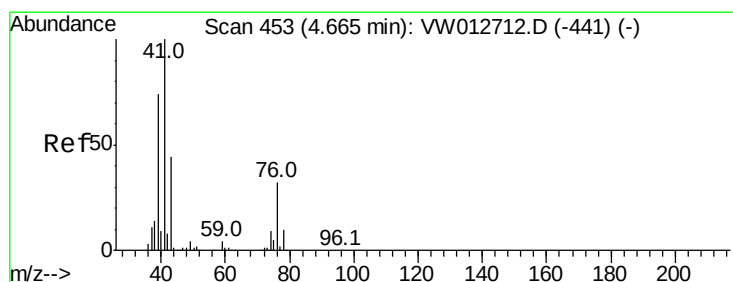
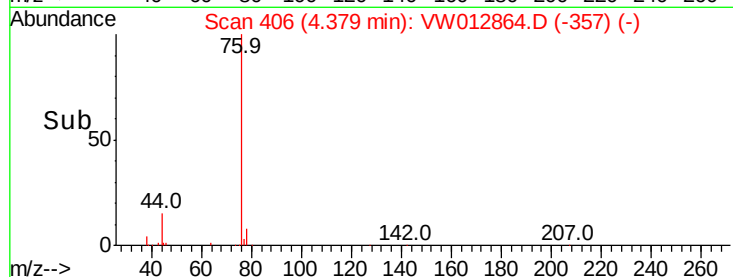
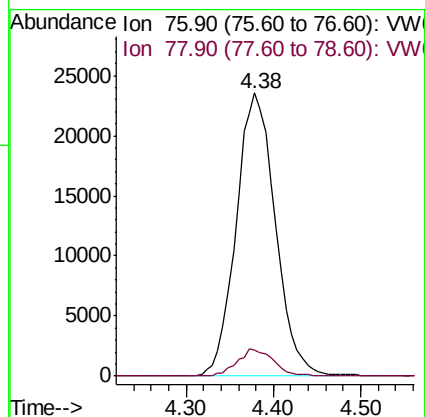
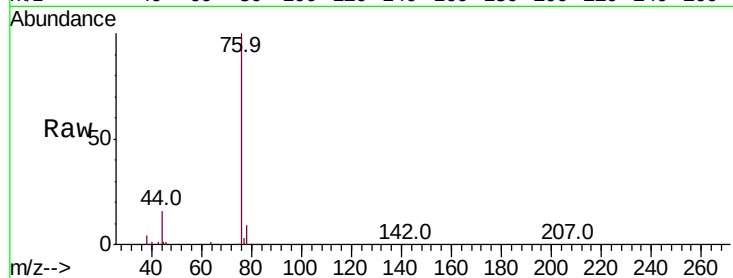
VW0910SBSD01

Tot Ion: 76 Resp: 73324

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#18

Methyl Acetate

Concen: 17.848 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012864.D

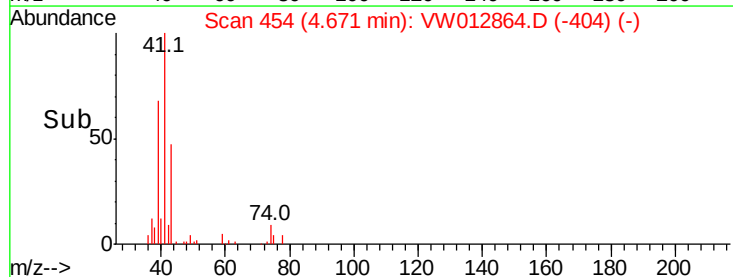
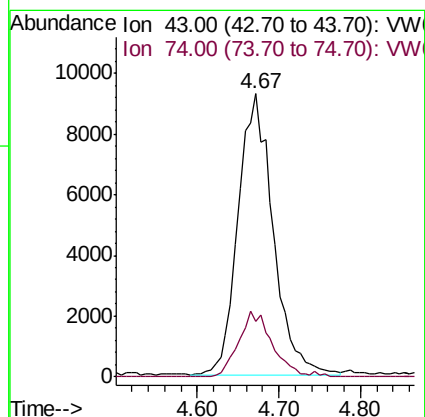
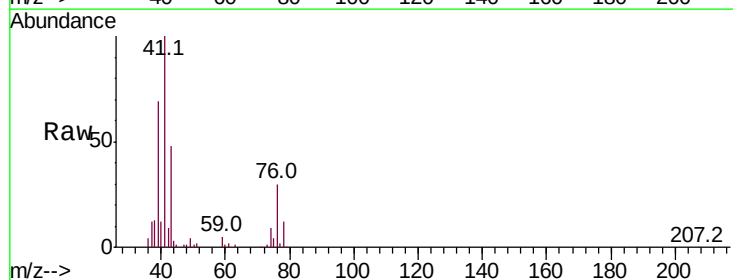
Acq: 10 Sep 2019 12:31

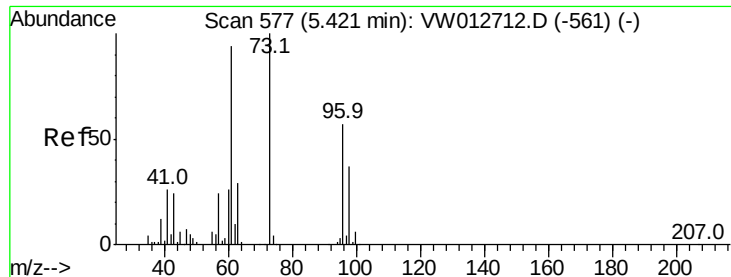
Tgt Ion: 43 Resp: 27637

Ion Ratio Lower Upper

43 100

74 22.1 15.8 23.6

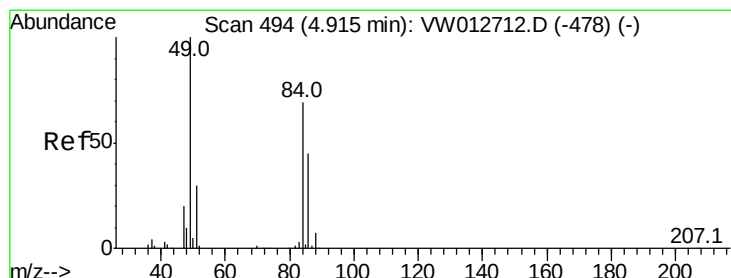
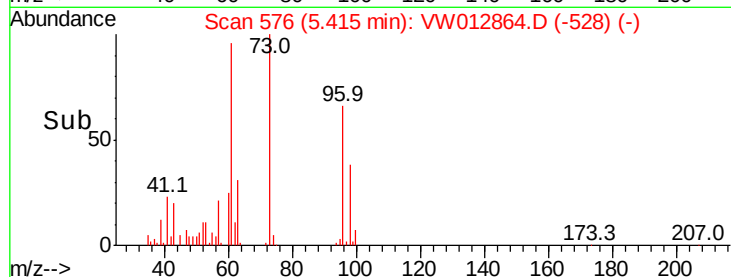
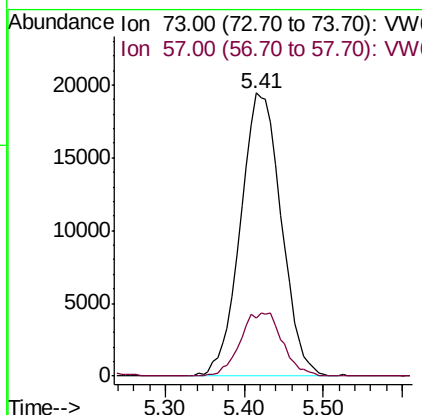
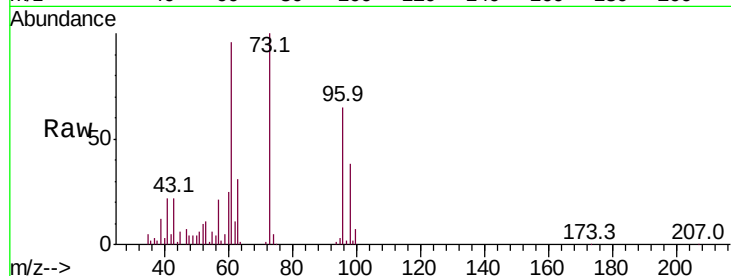




#19
Methyl tert-butyl Ether
Concen: 19.687 ug/l
RT: 5.41 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

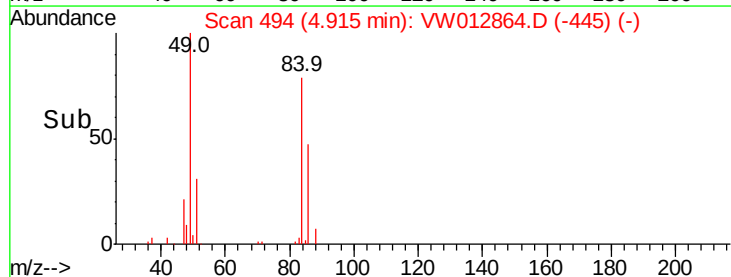
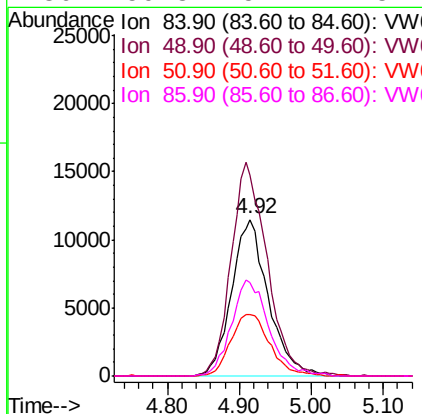
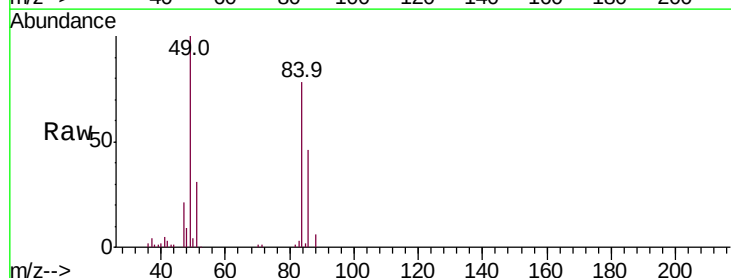
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

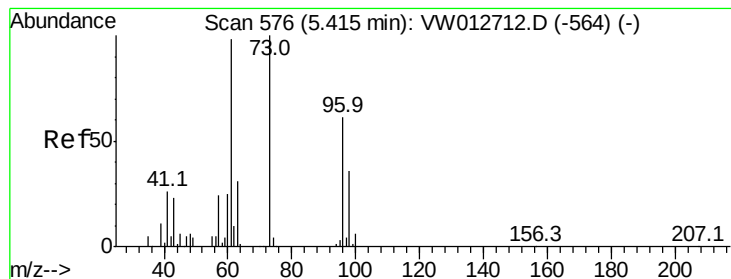
Tot Ion: 73 Resp: 69863
Ion Ratio Lower Upper
73 100
57 20.6 19.2 28.8



#20
Methylene Chloride
Concen: 19.712 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 84 Resp: 40702
Ion Ratio Lower Upper
84 100
49 128.8 115.4 173.0
51 39.4 34.9 52.3
86 59.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.126 ug/l

RT: 5.41 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

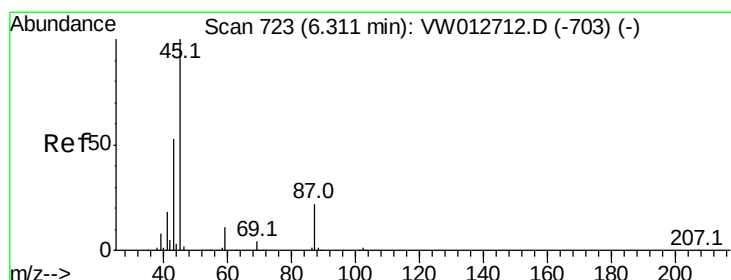
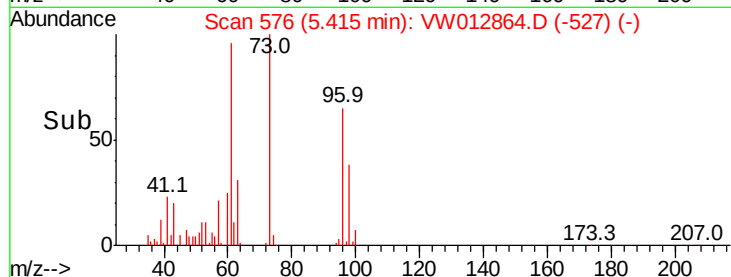
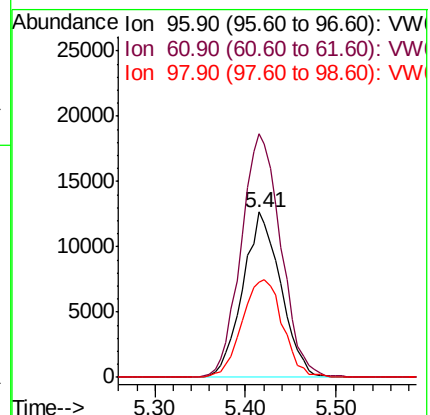
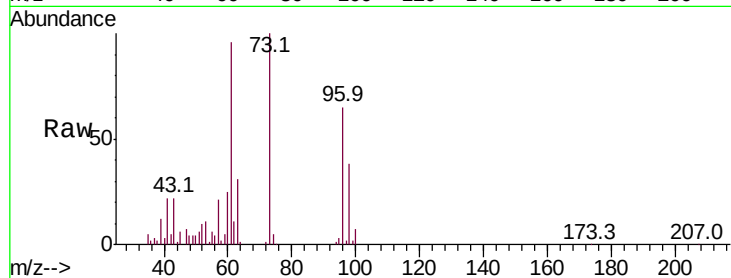
Tot Ion: 96 Resp: 36746

Ion Ratio Lower Upper

96 100

61 147.3 129.2 193.8

98 57.6 48.0 72.0



#22

Diisopropyl ether

Concen: 18.830 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Tgt Ion: 45 Resp: 138245

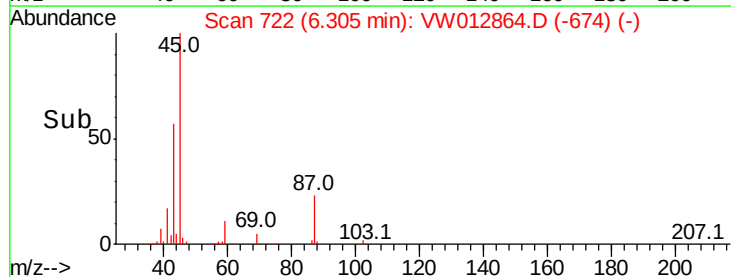
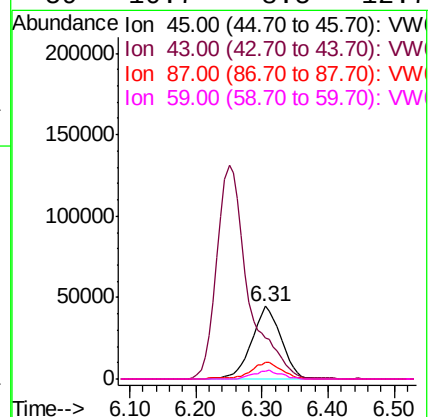
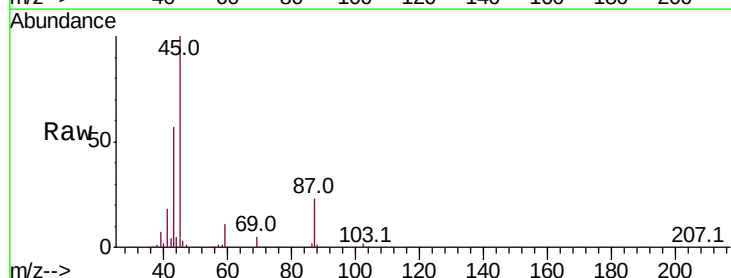
Ion Ratio Lower Upper

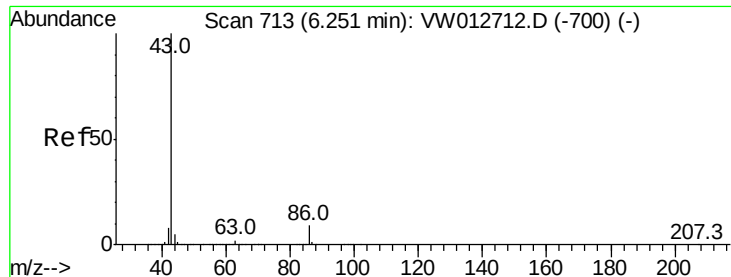
45 100

43 56.1 42.3 63.5

87 23.4 18.2 27.2

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 93.177 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

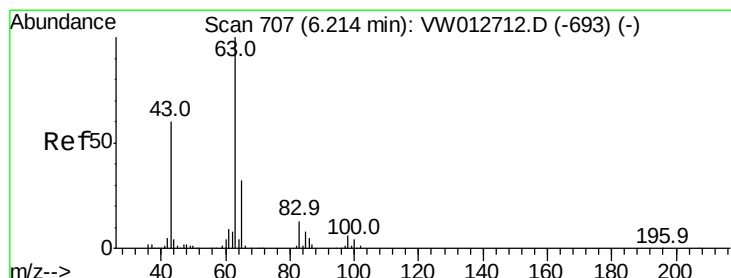
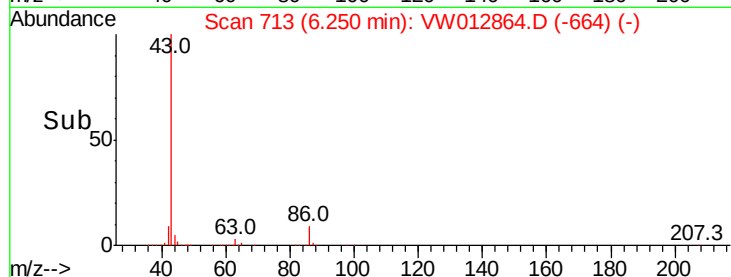
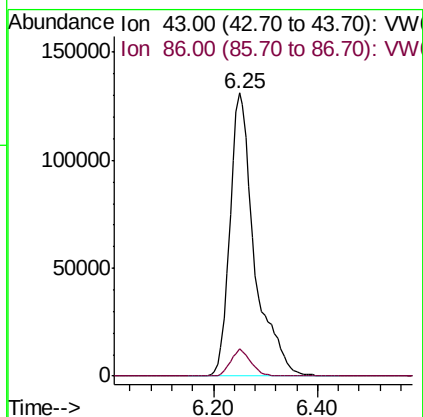
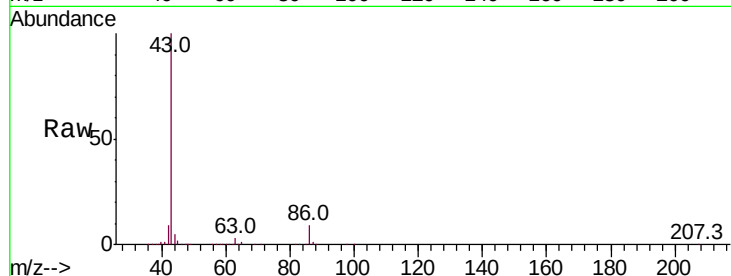
VW0910SBSD01

Tot Ion: 43 Resp: 433525

Ion Ratio Lower Upper

43 100

86 9.5 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.195 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

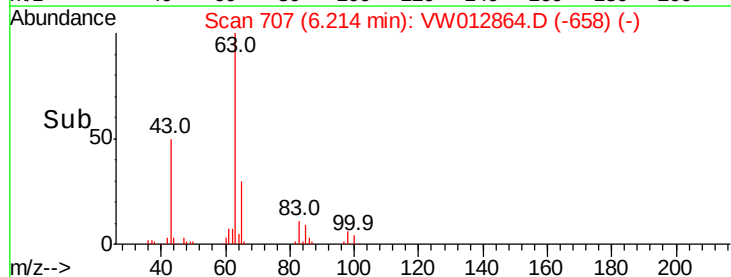
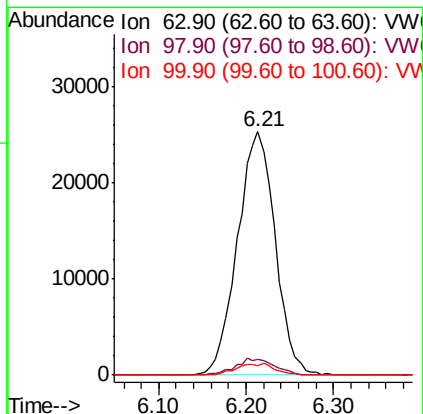
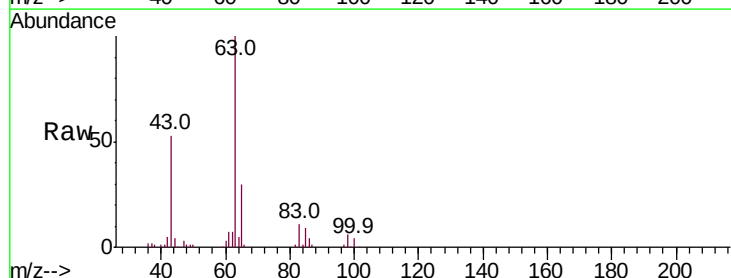
Tgt Ion: 63 Resp: 75876

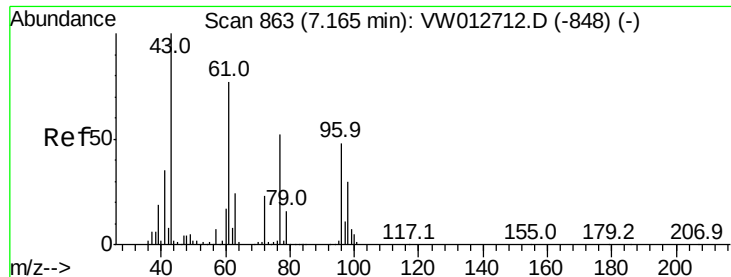
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 94.782 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

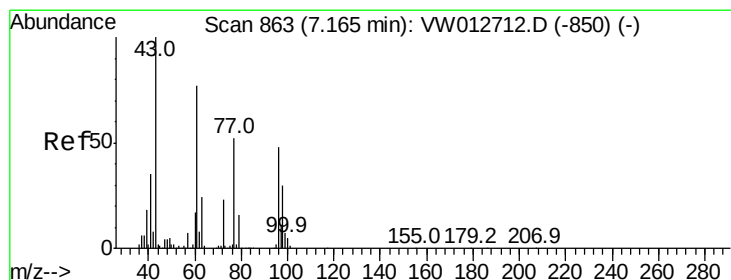
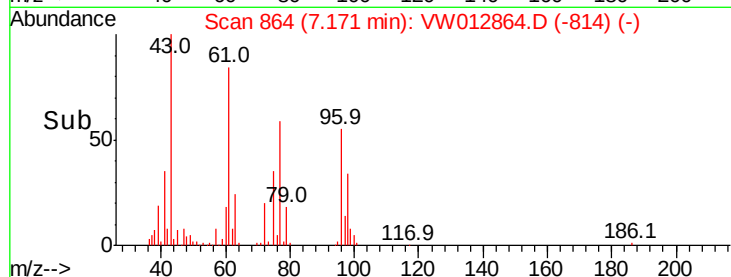
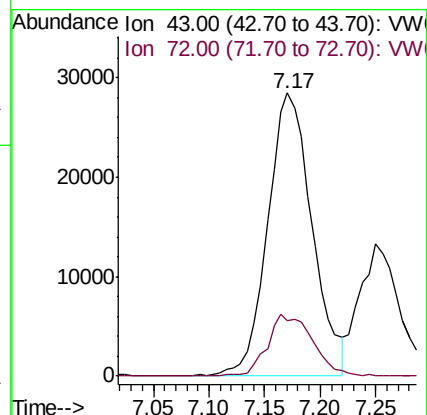
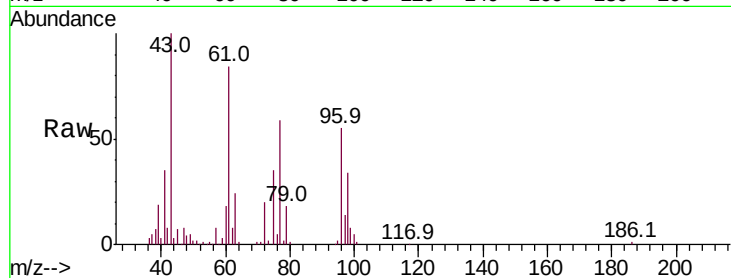
VW0910SBSD01

Tot Ion: 43 Resp: 79221

Ion Ratio Lower Upper

43 100

72 19.7 18.0 27.0



#26

2,2-Dichloropropane

Concen: 21.099 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012864.D

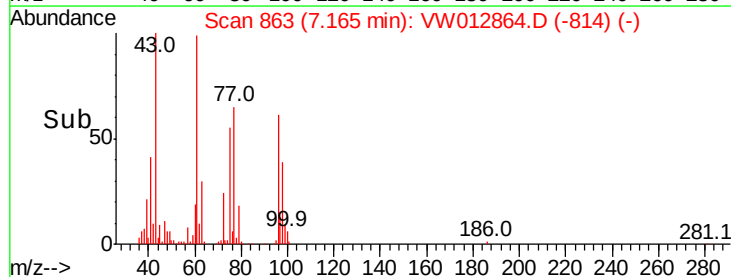
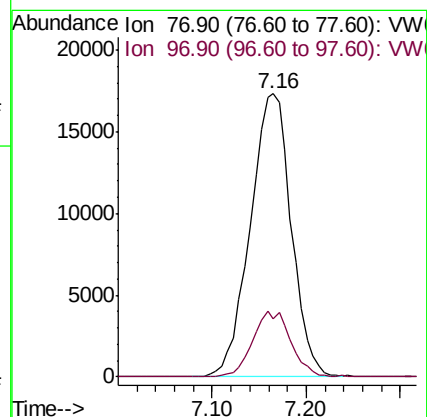
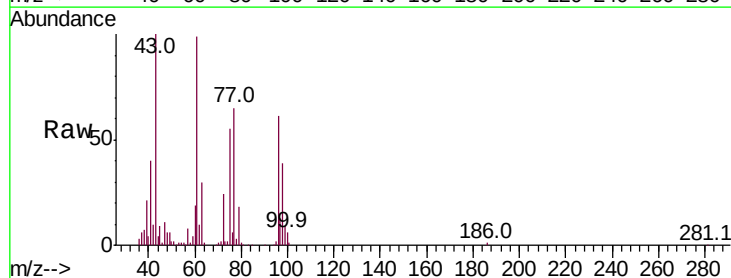
Acq: 10 Sep 2019 12:31

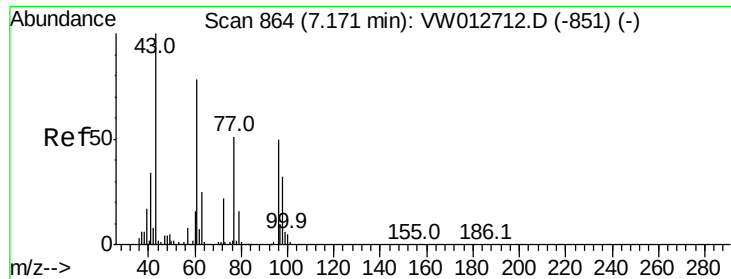
Tgt Ion: 77 Resp: 52677

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1

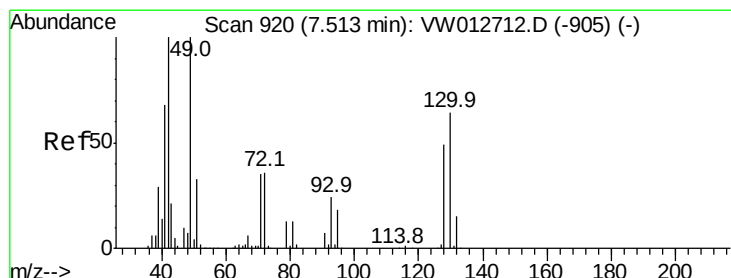
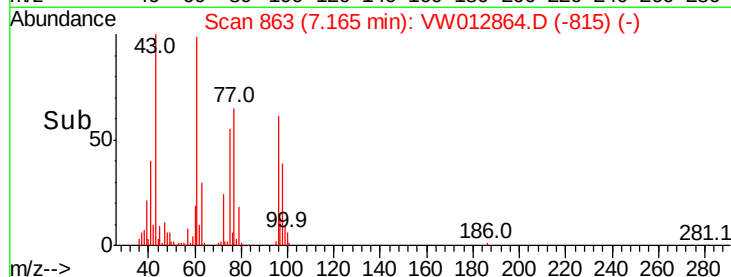
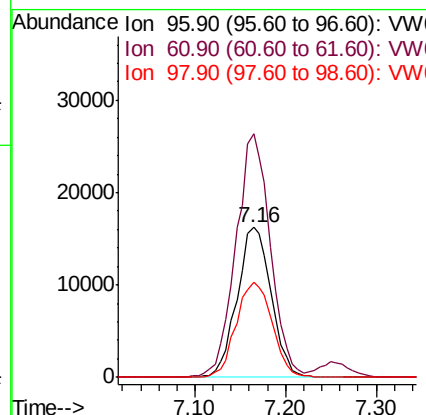
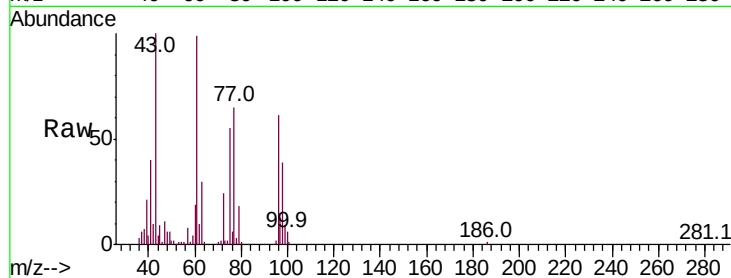




#27
 cis-1,2-Dichloroethene
 Concen: 20.076 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

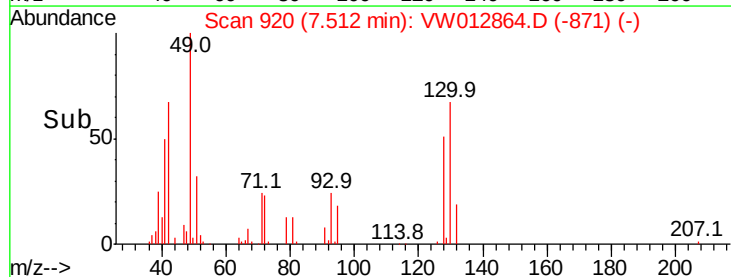
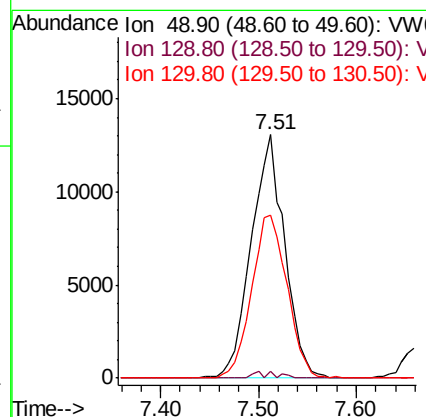
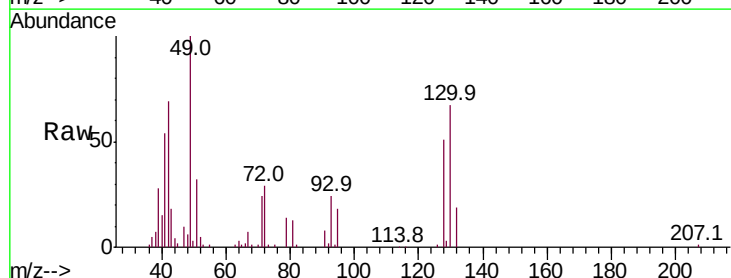
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

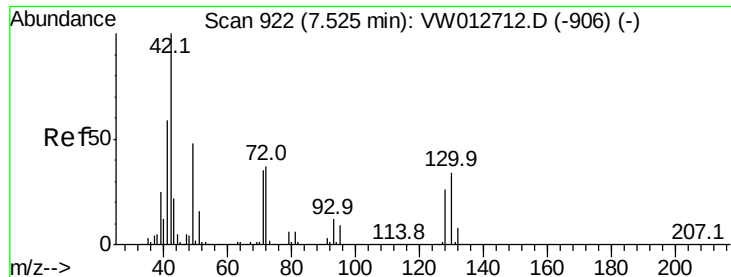
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	325.8
98	66.4	0.0	127.0



#28
 Bromochloromethane
 Concen: 17.059 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	0.8
130	70.7	49.8	74.8

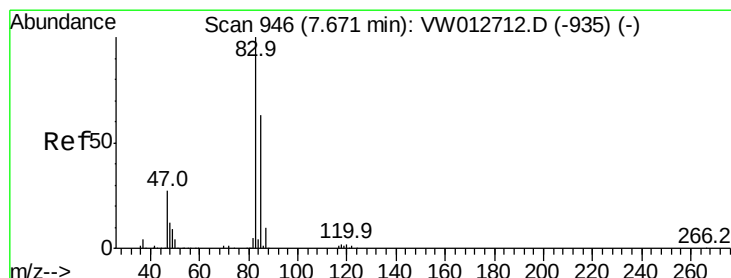
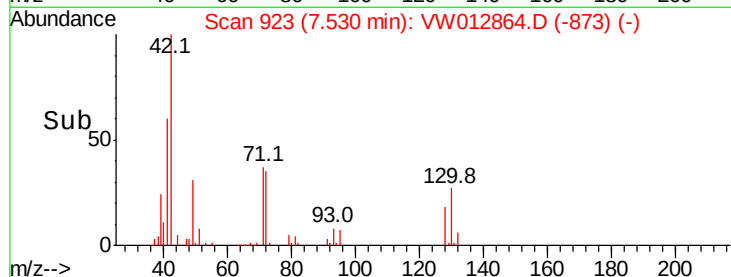
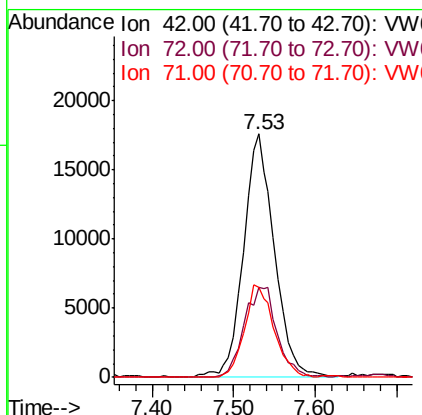
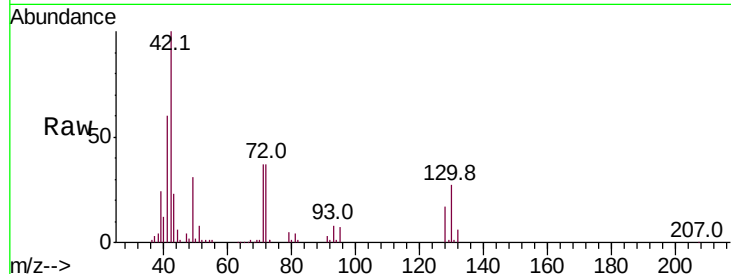




#29
Tetrahydrofuran
Concen: 86.546 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

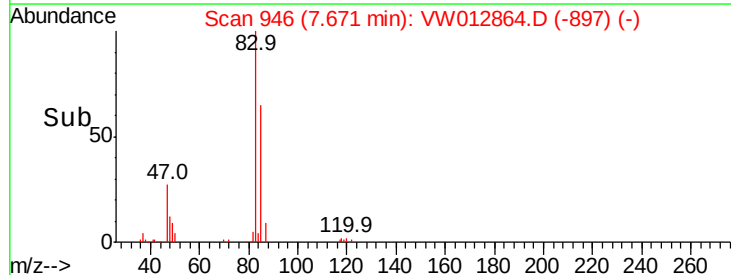
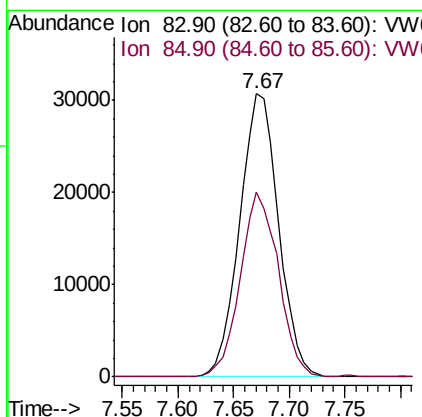
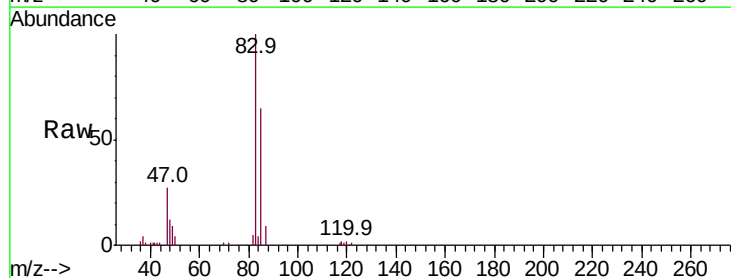
Instrument :
MSVOA_W
ClientSampled :
VW0910SBS01

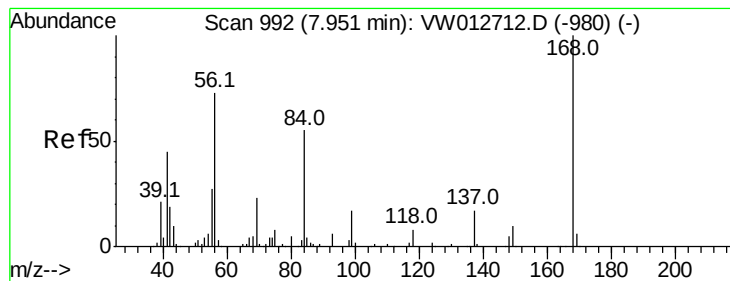
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	28.4	42.6
71	36.7	27.1	40.7



#30
Chloroform
Concen: 19.017 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	76.0





#31

Cyclohexane

Concen: 19.600 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

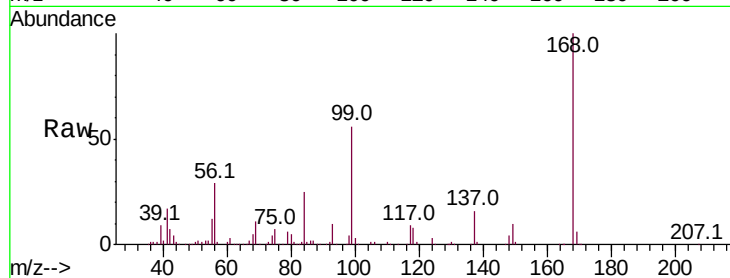
Tot Ion: 56 Resp: 69750

Ion Ratio Lower Upper

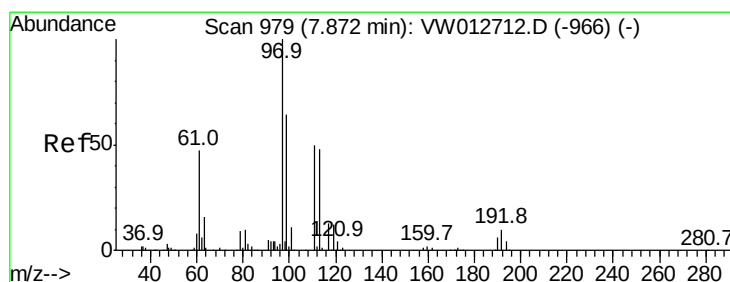
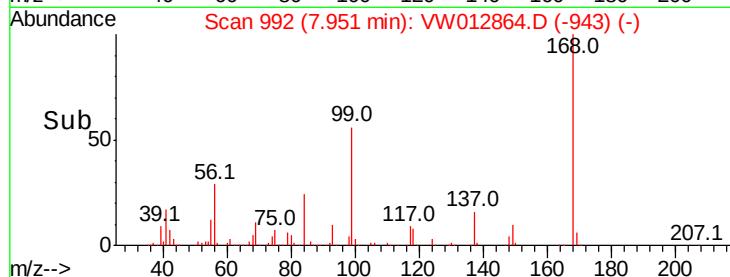
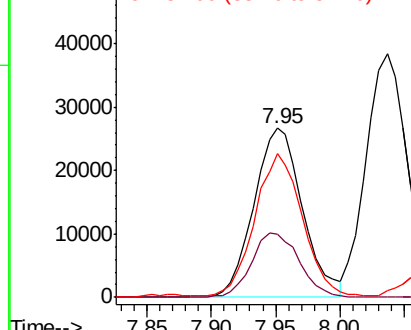
56 100

69 37.5 25.7 38.5

84 83.4 60.4 90.6



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: 19.254 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

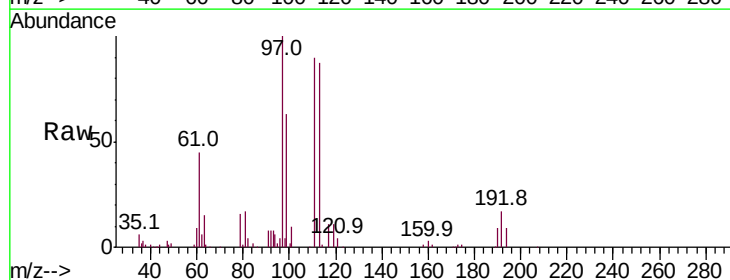
Tgt Ion: 97 Resp: 61142

Ion Ratio Lower Upper

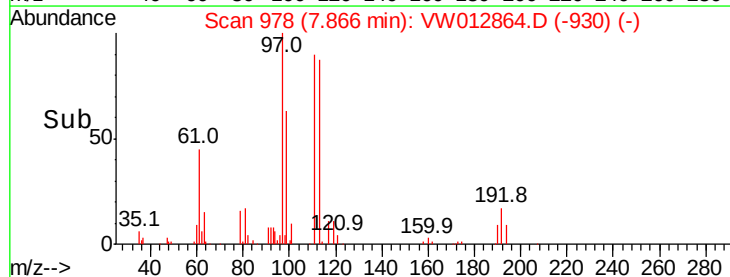
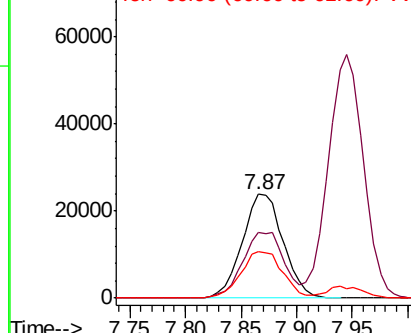
97 100

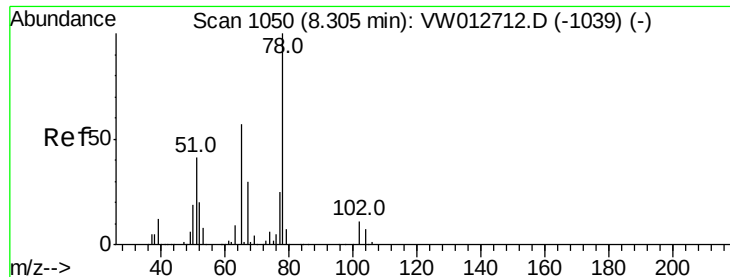
99 64.0 51.5 77.3

61 45.8 37.9 56.9



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

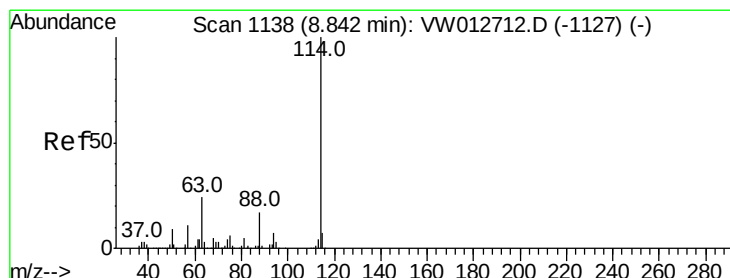
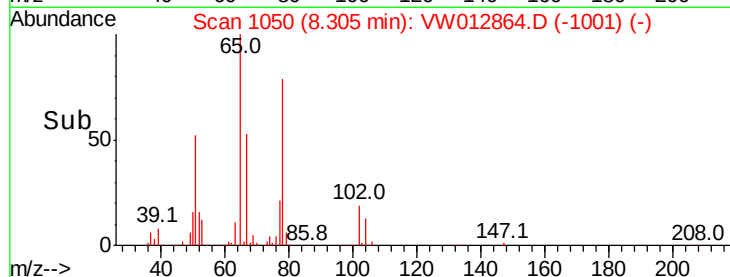
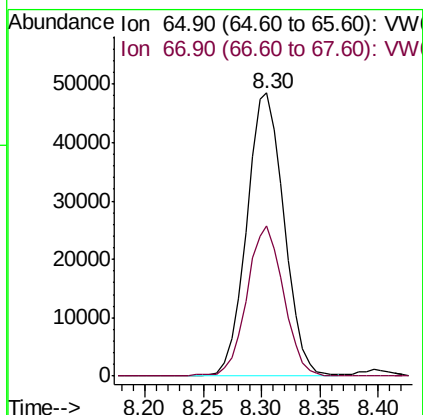
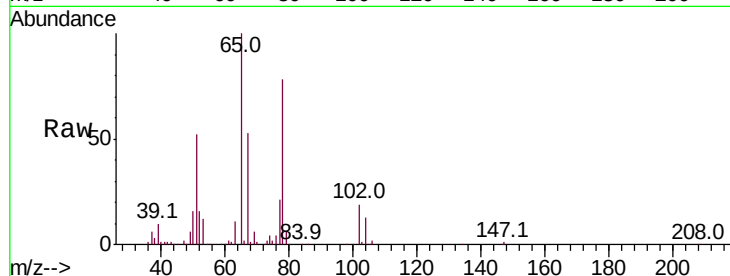




#33
 1,2-Dichloroethane-d4
 Concen: 44.543 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

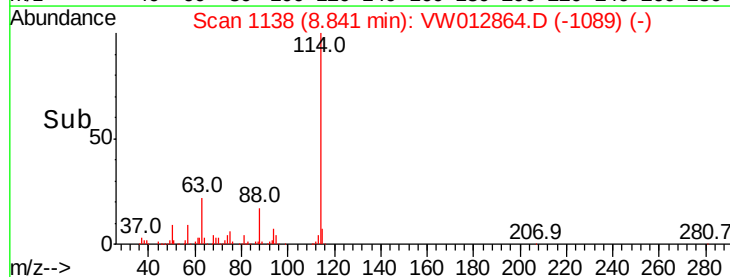
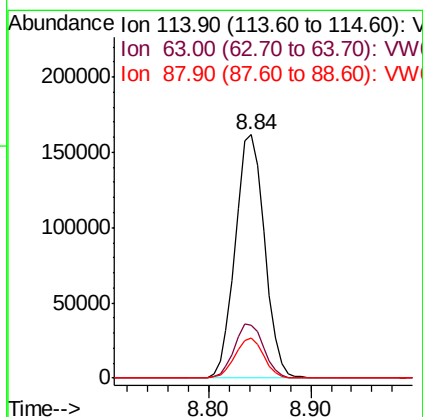
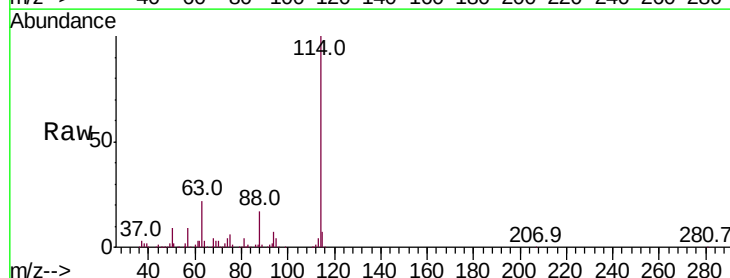
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

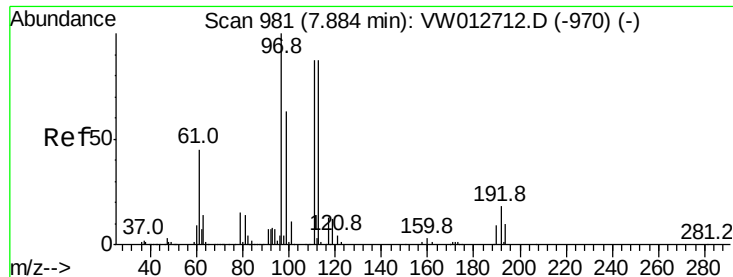
Tot Ion: 65 Resp: 107839
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion: 114 Resp: 321525
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 47.2
 88 16.5 0.0 34.0

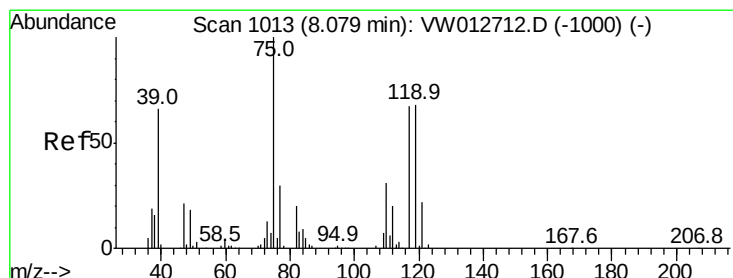
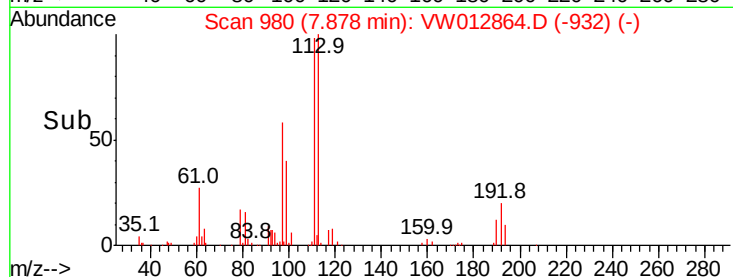
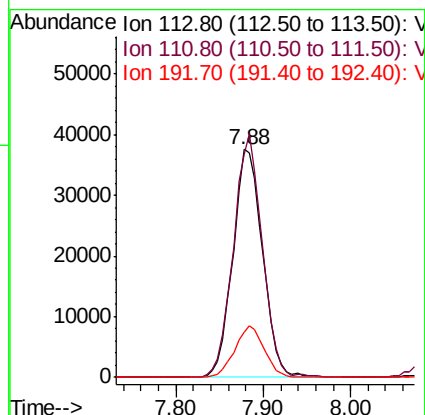
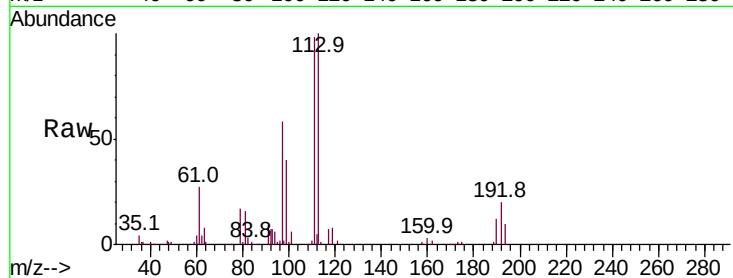




#35
 Dibromofluoromethane
 Concen: 46.281 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

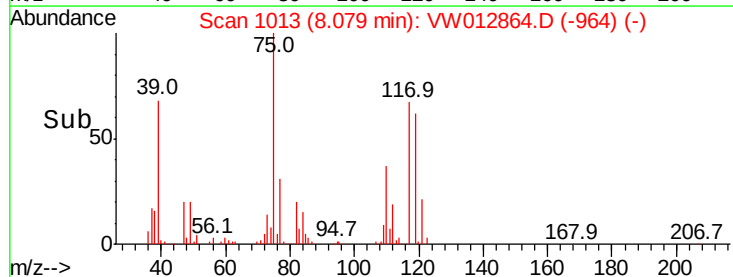
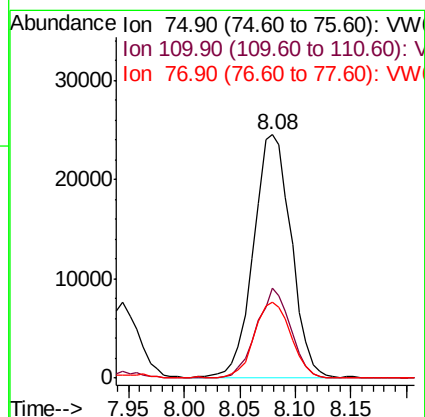
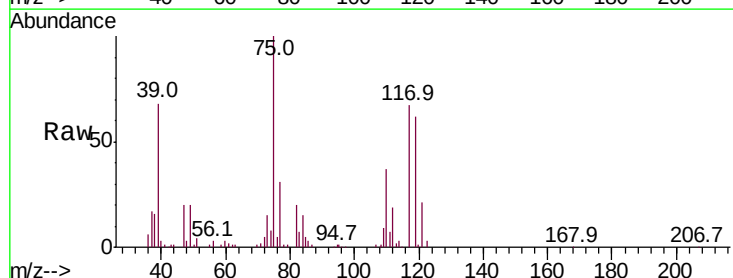
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

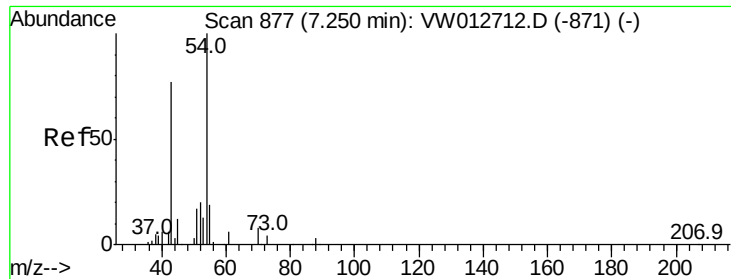
Tot Ion:113 Resp: 88468
 Ion Ratio Lower Upper
 113 100
 111 104.1 80.2 120.4
 192 22.2 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 20.120 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion: 75 Resp: 57479
 Ion Ratio Lower Upper
 75 100
 110 33.9 15.9 47.7
 77 30.8 25.0 37.4

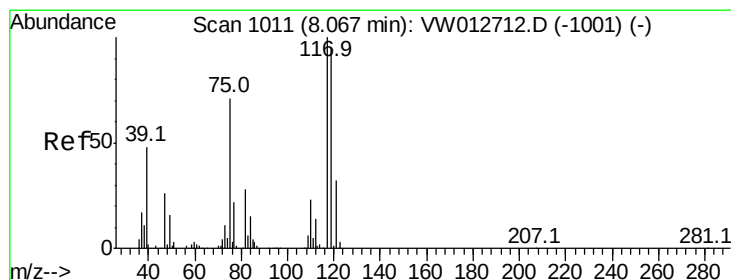
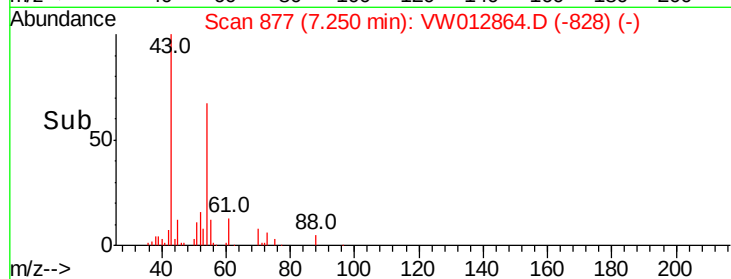
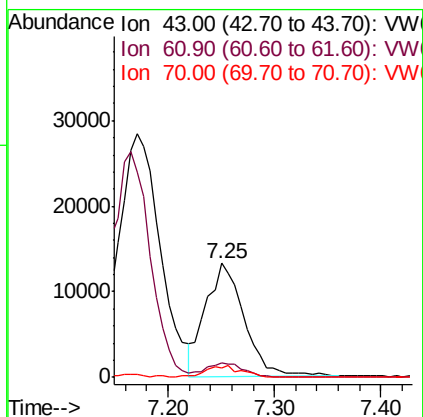
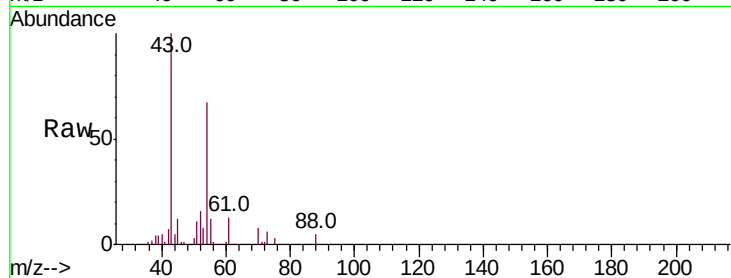




#37
Ethyl Acetate
Concen: 18.359 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

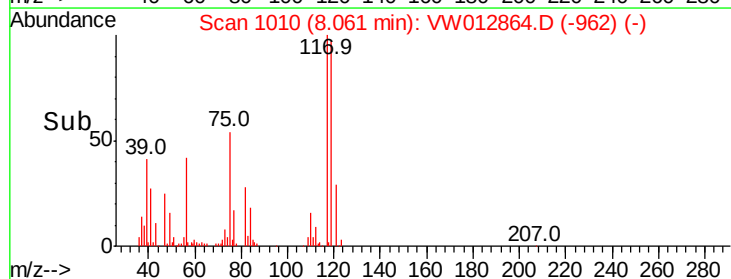
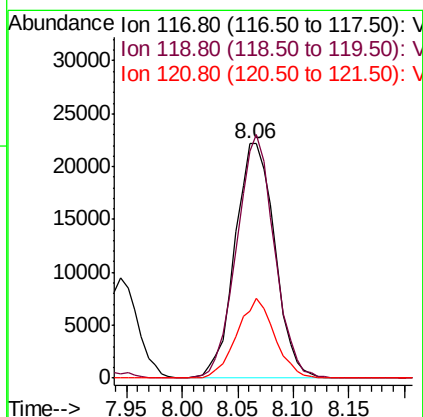
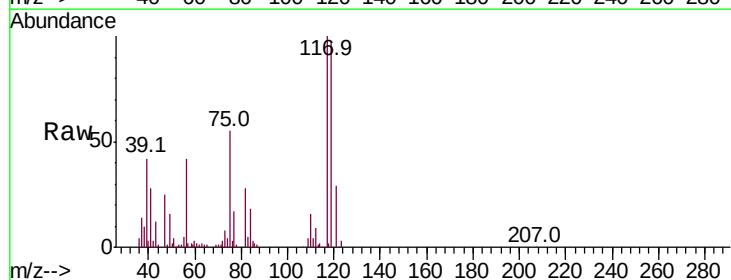
Instrument :
MSVOA_W
ClientSampled :
VW0910SBSD01

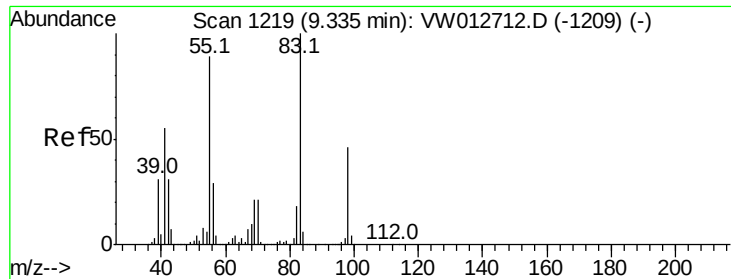
Tot Ion: 43 Resp: 33434
Ion Ratio Lower Upper
43 100
61 12.5 9.5 14.3
70 9.3 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.598 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 117 Resp: 55191
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.2
121 28.7 25.4 38.2

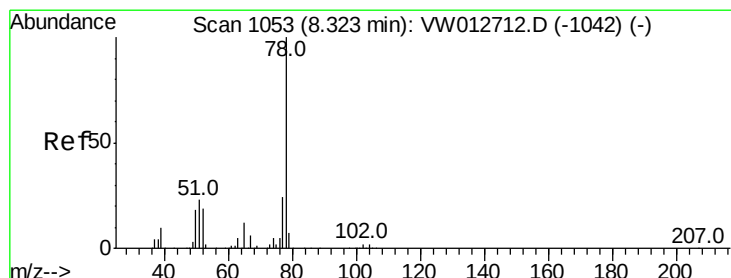
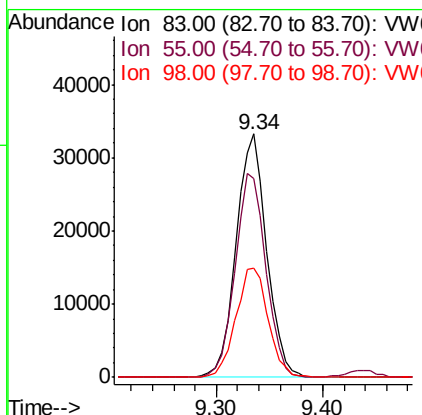
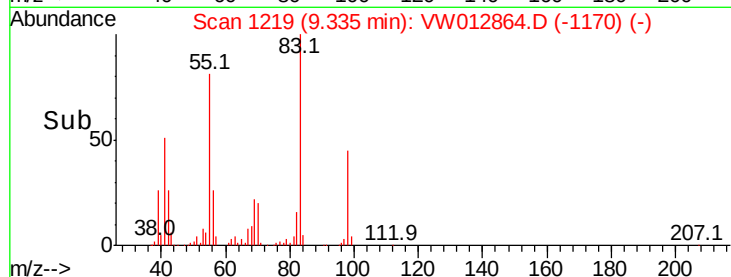
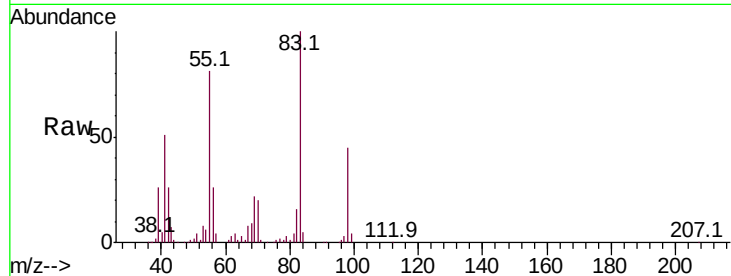




#39
Methylvlcyclohexane
Concen: 20.891 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

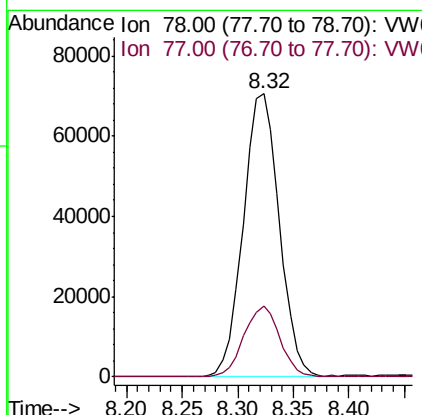
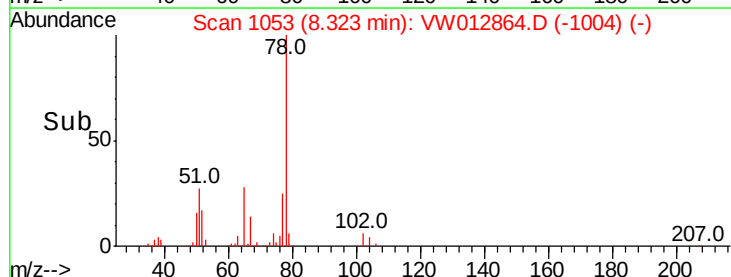
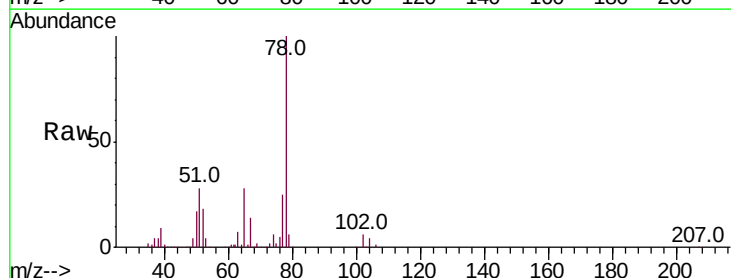
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

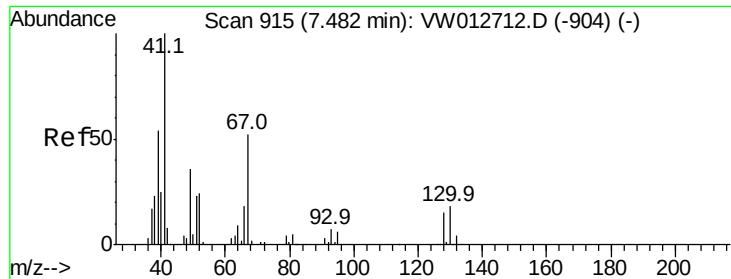
Tot Ion: 83 Resp: 67030
Ion Ratio Lower Upper
83 100
55 81.4 71.0 106.4
98 45.0 36.9 55.3



#40
Benzene
Concen: 20.062 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 78 Resp: 159020
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9

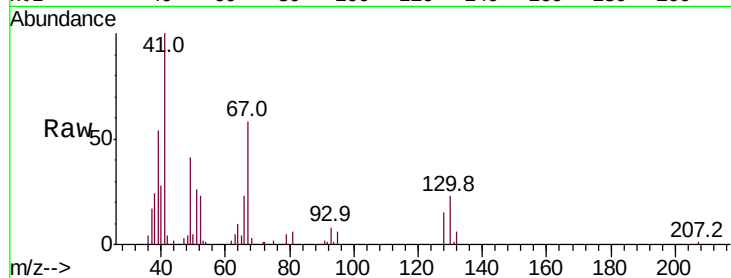




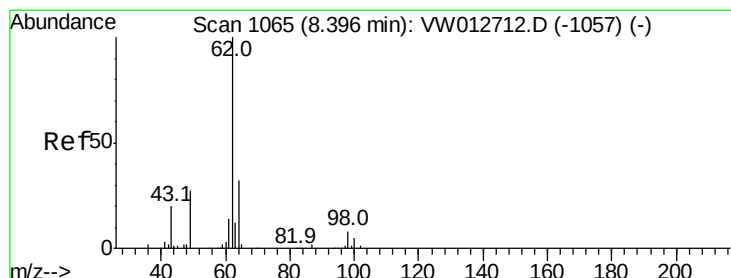
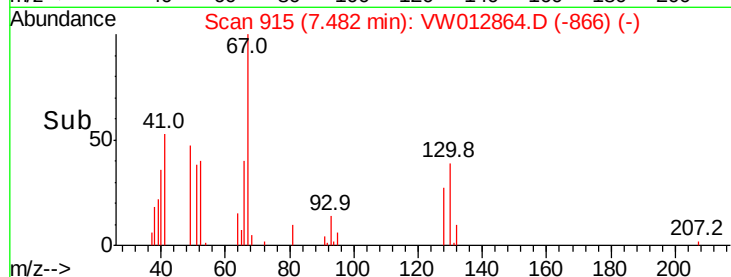
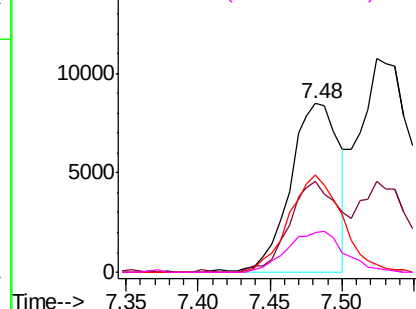
#41
Methacrylonitrile
Concen: 18.788 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

Tot Ion:	41	Resp:	20046
Ion	Ratio	Lower	Upper
41	100		
39	57.2	47.5	71.3
67	63.1	45.1	67.7
52	28.2	20.2	30.2

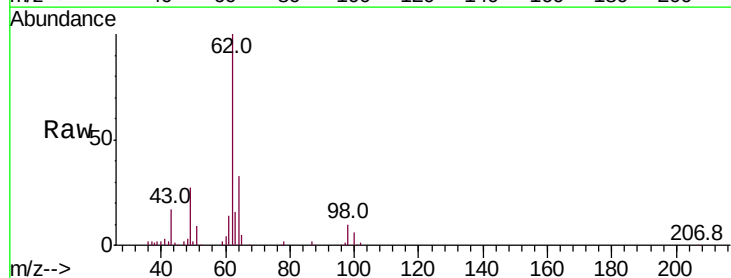


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

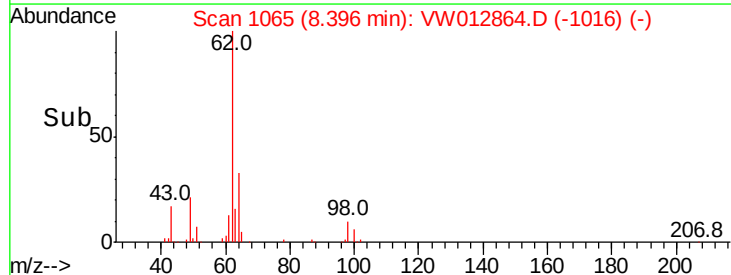
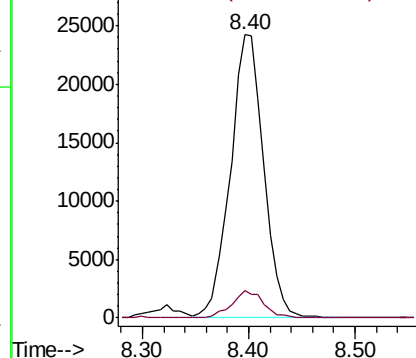


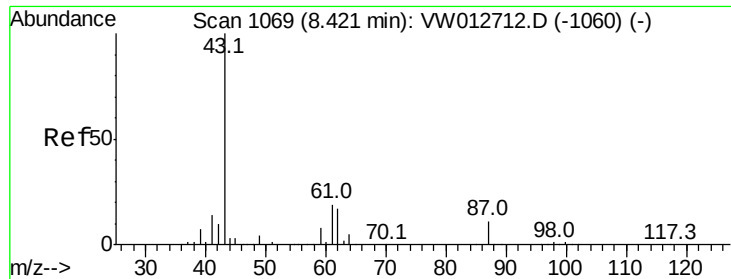
#42
1,2-Dichloroethane
Concen: 19.038 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion:	62	Resp:	53107
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.2



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





#43

Isopropyl Acetate

Concen: 18.422 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

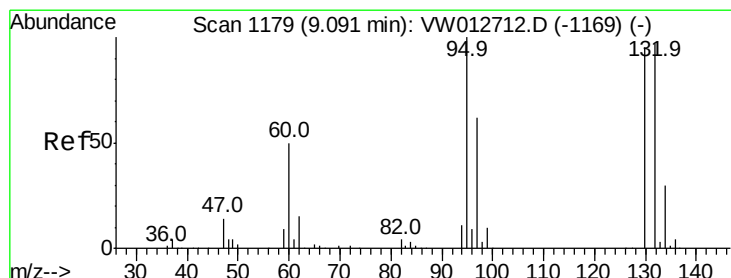
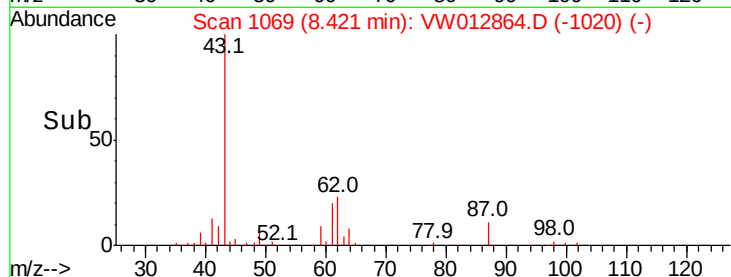
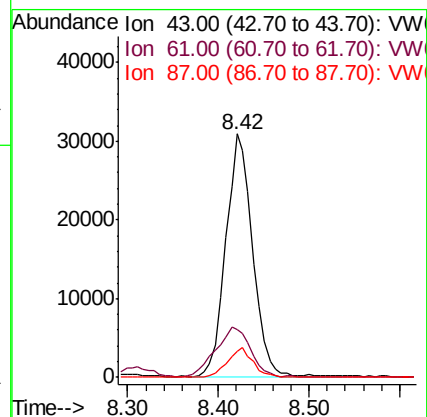
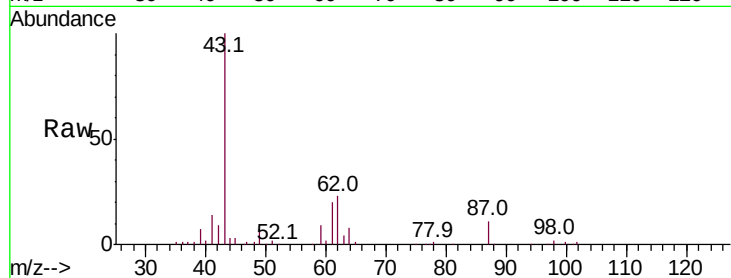
Tot Ion: 43 Resp: 63563

Ion Ratio Lower Upper

43 100

61 27.4 20.6 30.8

87 11.7 8.6 13.0



#44

Trichloroethene

Concen: 21.218 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012864.D

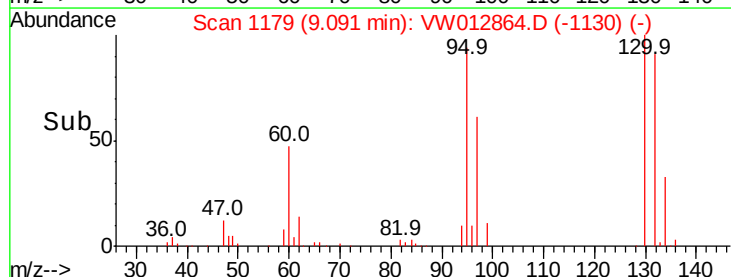
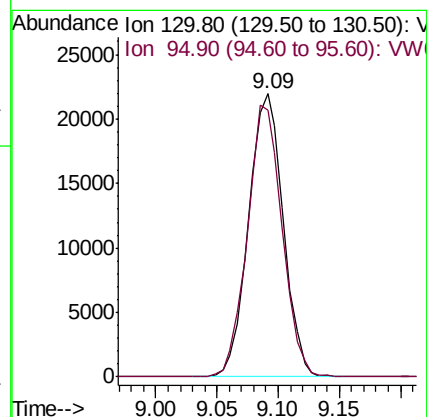
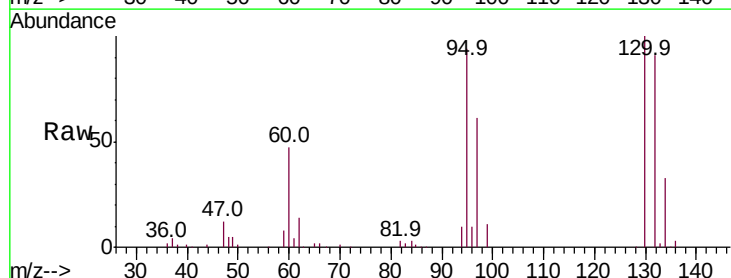
Acq: 10 Sep 2019 12:31

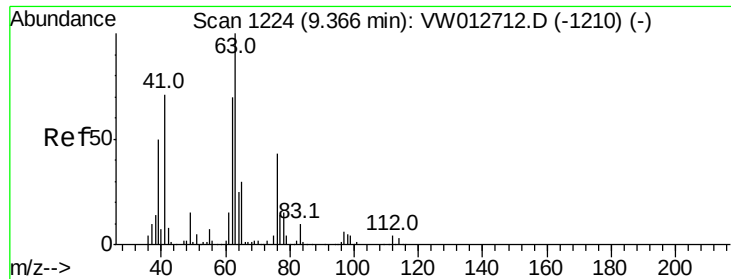
Tgt Ion:130 Resp: 43351

Ion Ratio Lower Upper

130 100

95 94.4 0.0 210.6





#45

1,2-Dichloropropane

Concen: 19.388 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

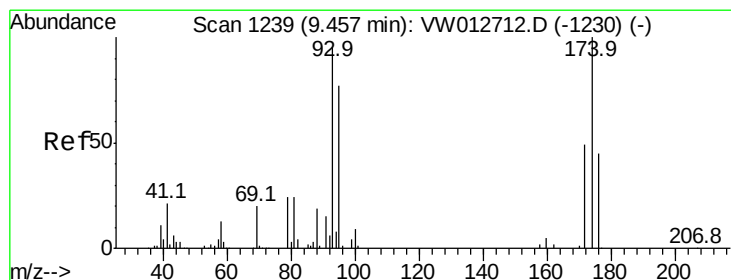
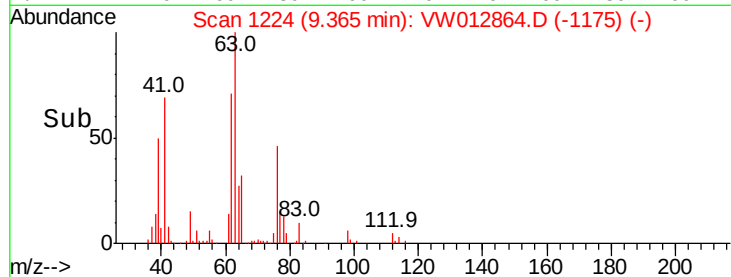
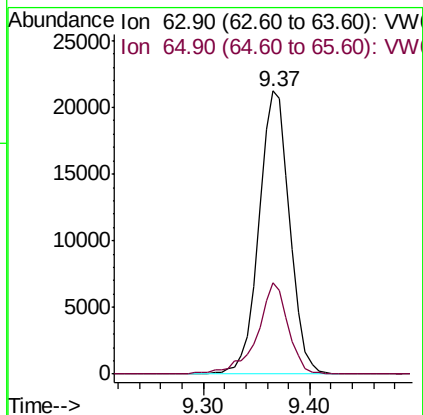
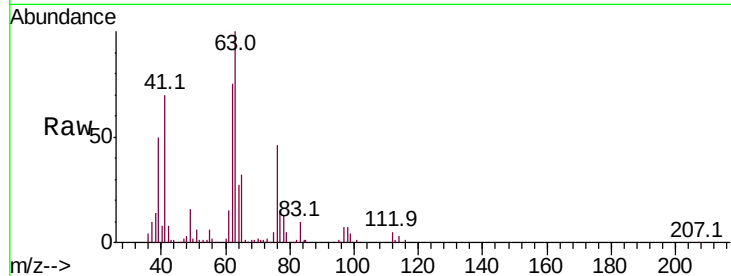
VW0910SBSD01

Tot Ion: 63 Resp: 42623

Ion Ratio Lower Upper

63 100

65 32.2 23.8 35.8



#46

Dibromomethane

Concen: 20.299 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

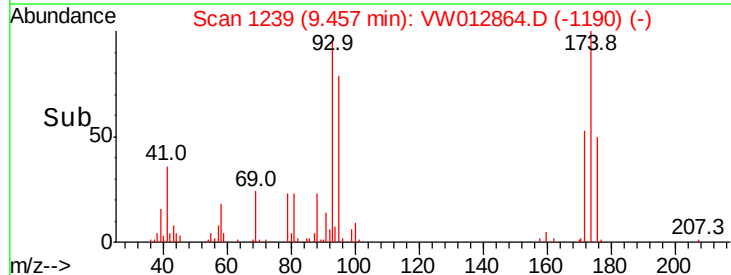
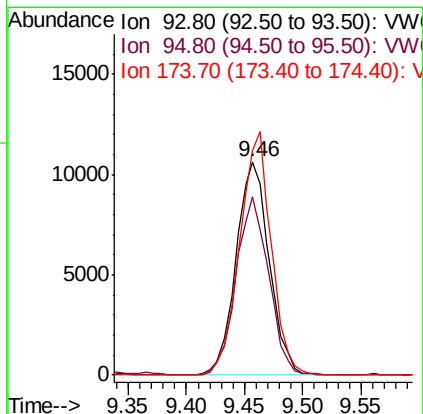
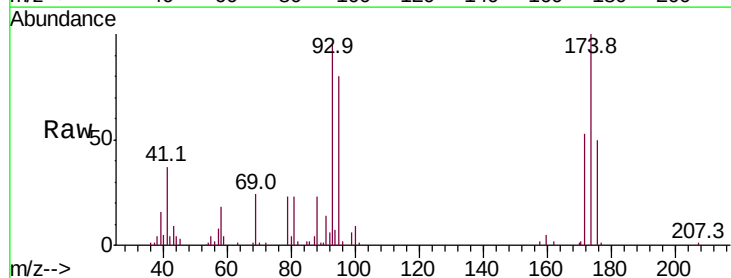
Tgt Ion: 93 Resp: 21132

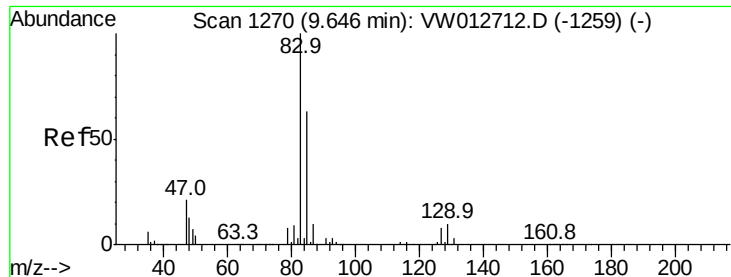
Ion Ratio Lower Upper

93 100

95 82.0 65.2 97.8

174 108.2 84.2 126.4

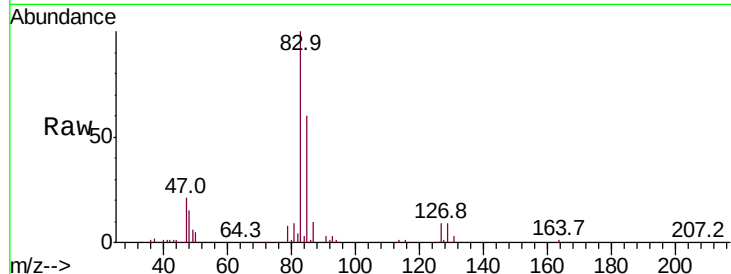




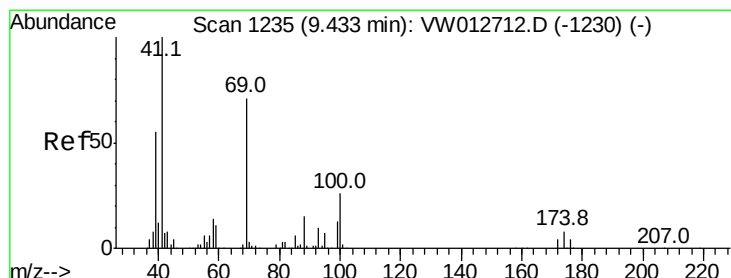
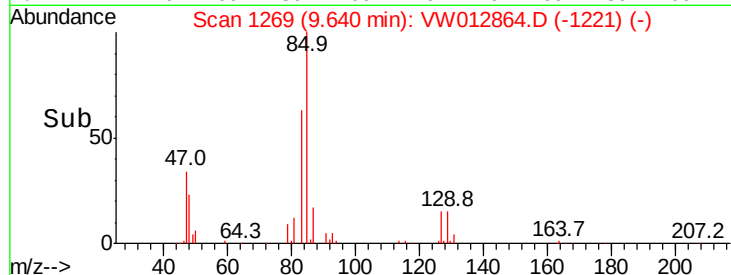
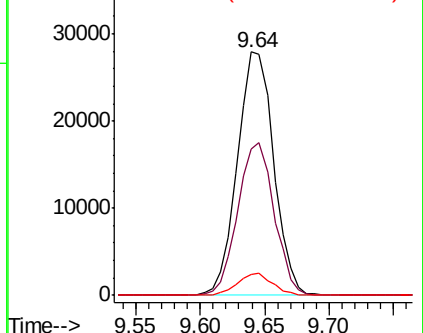
#47
Bromodichloromethane
Concen: 19.071 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampled :
VW0910SBSD01

Tot Ion: 83 Resp: 54620
Ion Ratio Lower Upper
83 100
85 60.2 50.2 75.2
127 8.8 6.6 9.8

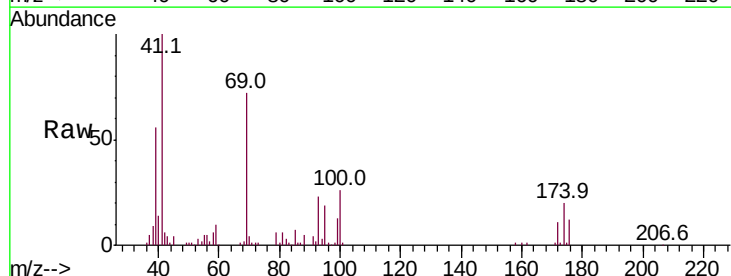


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

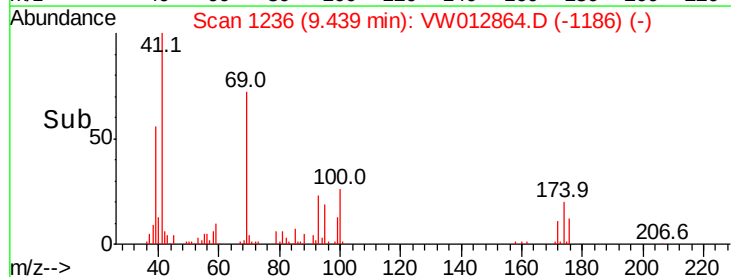
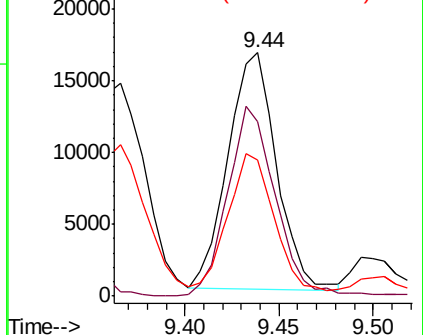


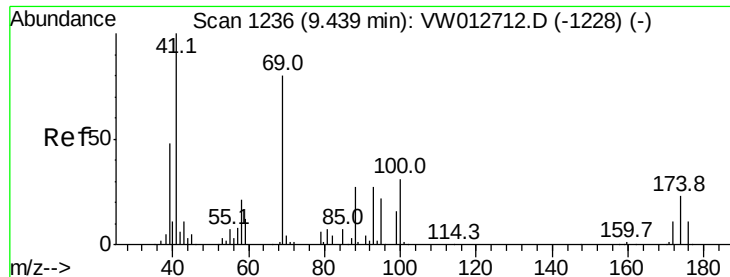
#48
Methyl methacrylate
Concen: 17.996 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 41 Resp: 29673
Ion Ratio Lower Upper
41 100
69 78.8 59.8 89.8
39 58.8 47.0 70.6



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





#49

1,4-Dioxane

Concen: 352.280 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.03 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

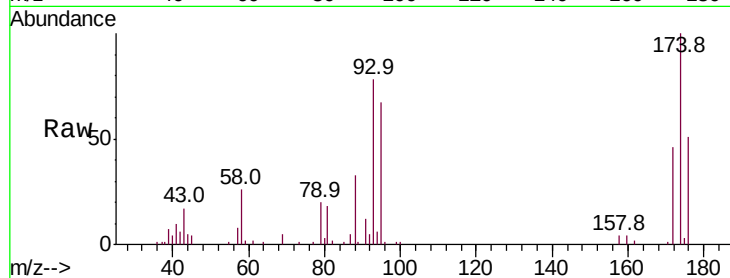
Tot Ion: 88 Resp: 7244

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

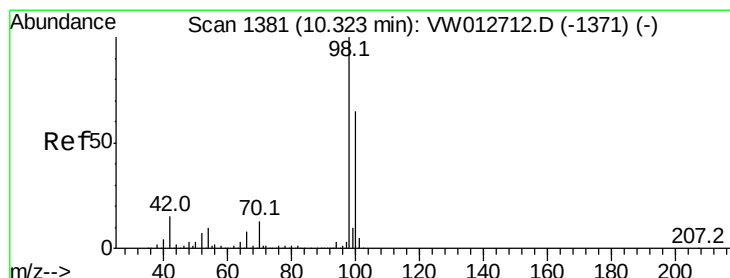
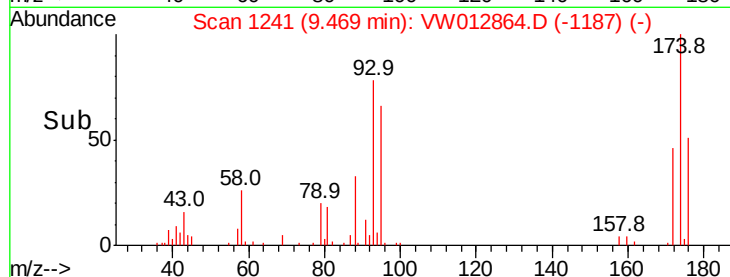
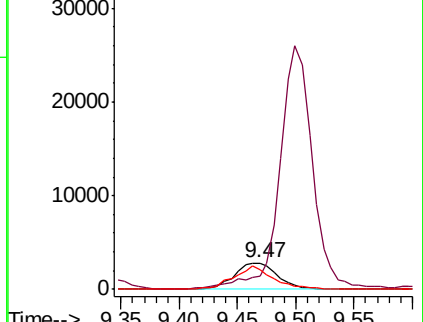
58 81.5 64.1 96.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.229 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012864.D

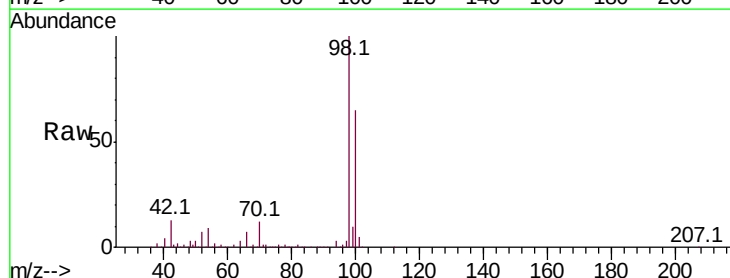
Acq: 10 Sep 2019 12:31

Tgt Ion: 98 Resp: 368679

Ion Ratio Lower Upper

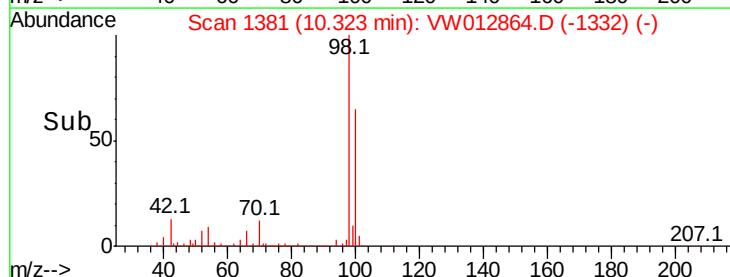
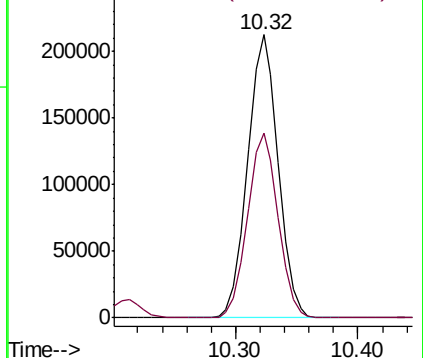
98 100

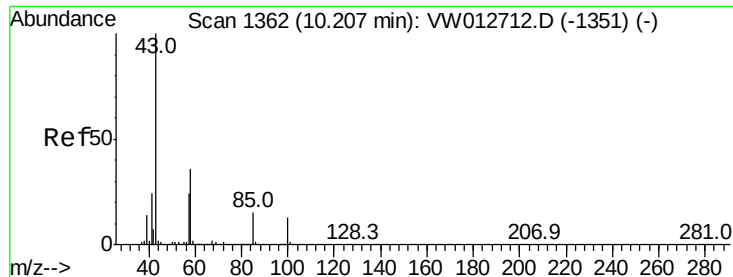
100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

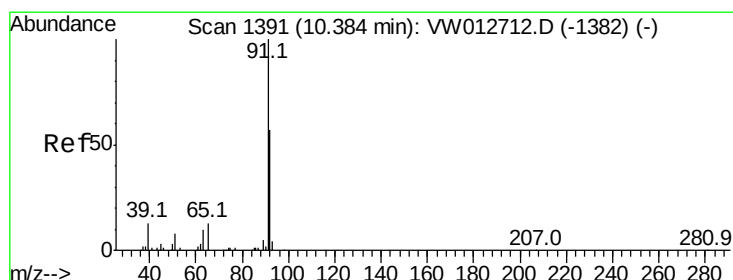
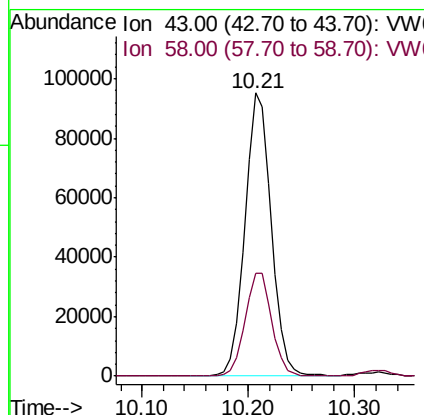
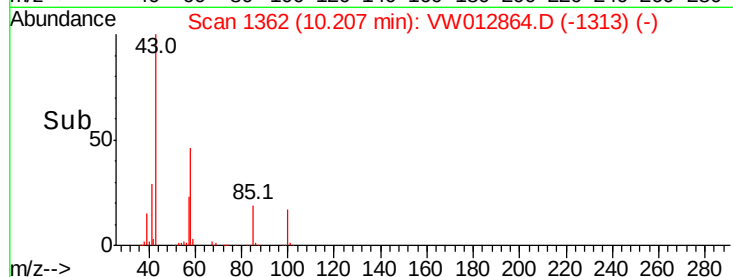
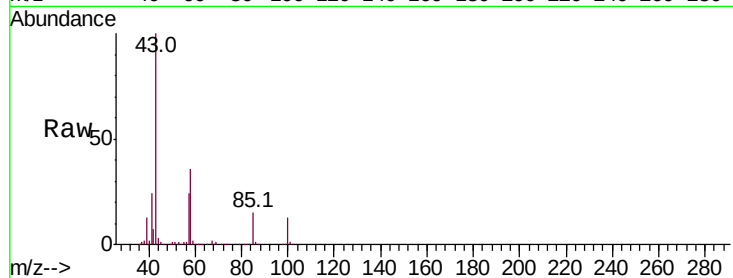




#51
 4-Methyl-2-Pentanone
 Concen: 90.951 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

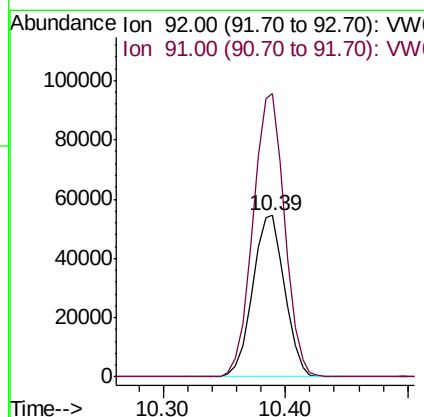
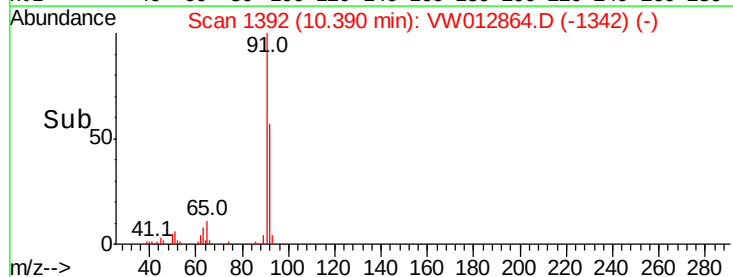
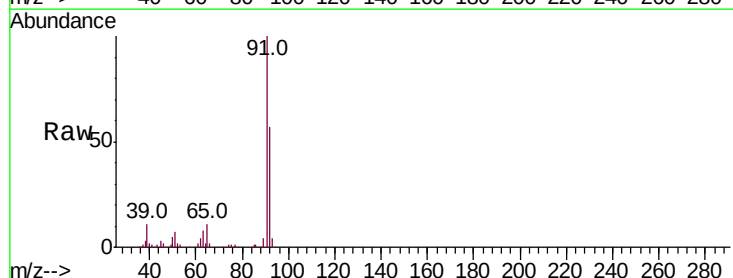
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

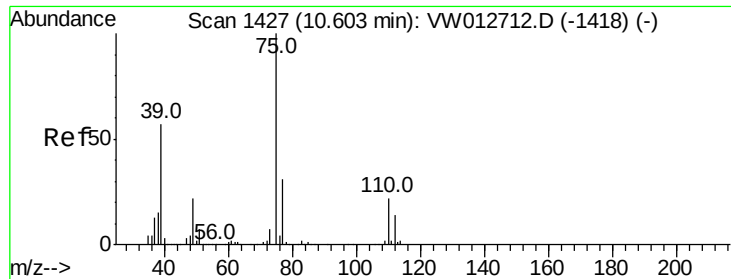
Tot Ion: 43 Resp: 164664
 Ion Ratio Lower Upper
 43 100
 58 37.1 28.4 42.6



#52
 Toluene
 Concen: 20.096 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion: 92 Resp: 99419
 Ion Ratio Lower Upper
 92 100
 91 173.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.270 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

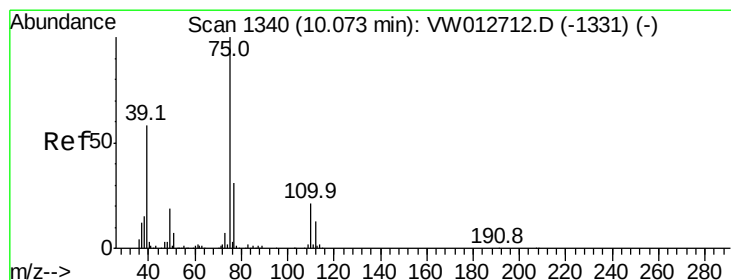
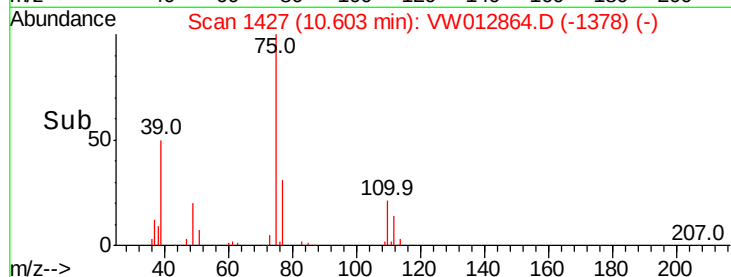
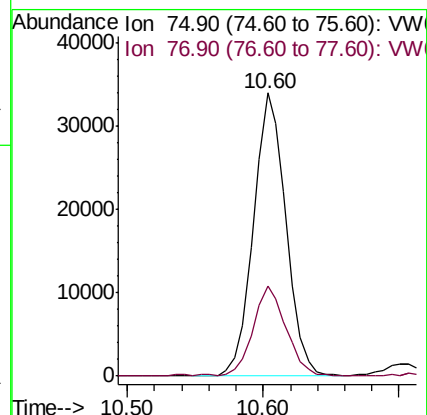
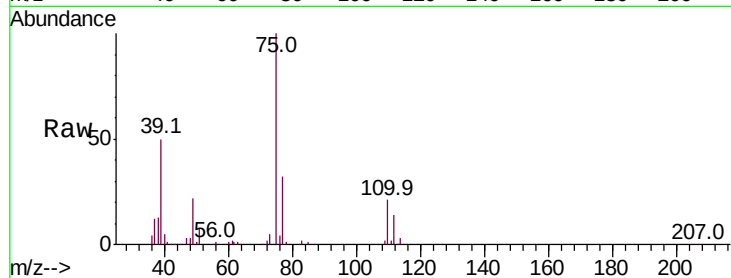
VW0910SBSD01

Tot Ion: 75 Resp: 56752

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 19.297 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

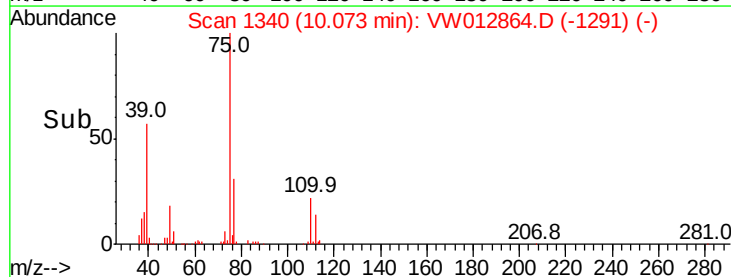
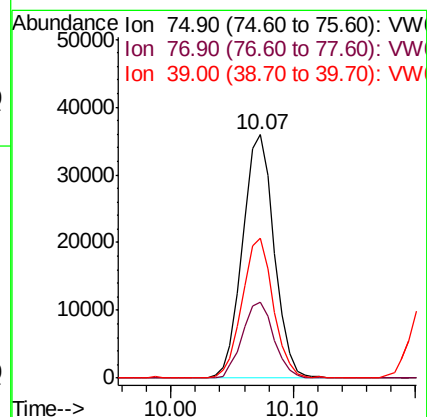
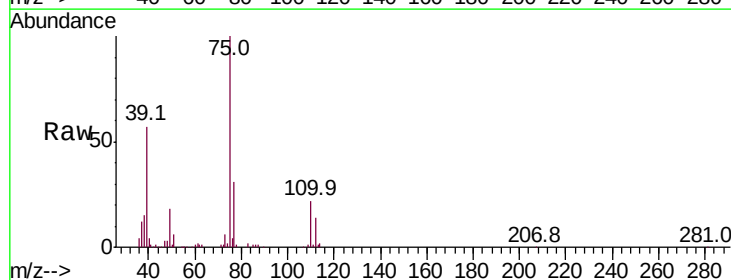
Tgt Ion: 75 Resp: 64469

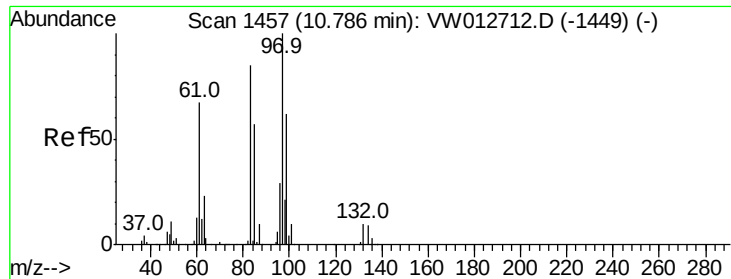
Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 57.4 46.3 69.5

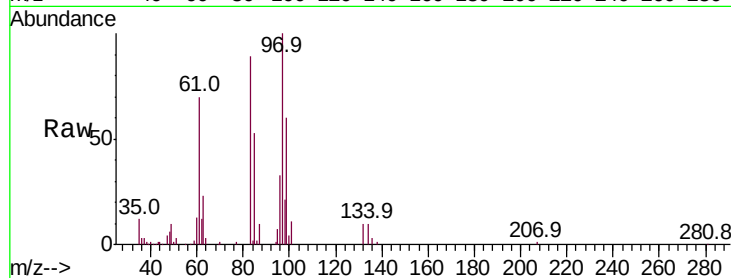




#55
 1,1,2-Trichloroethane
 Concen: 19.663 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.1	102.1
85	53.5	45.3	67.9
99	59.8	50.0	75.0



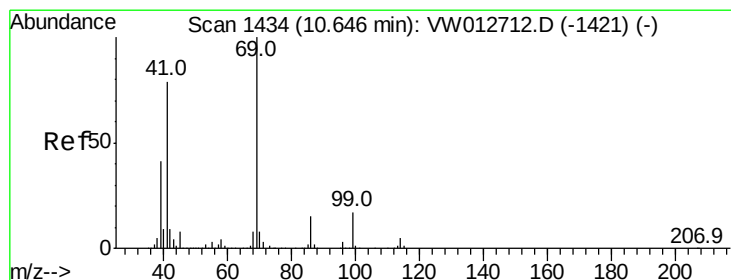
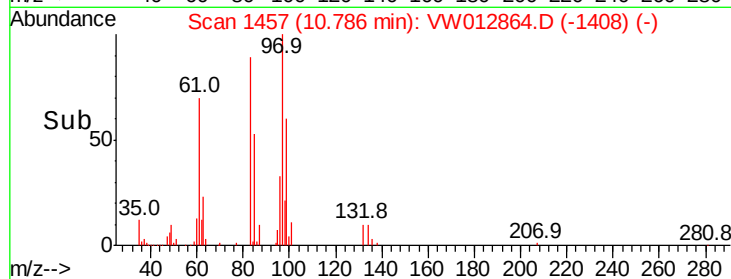
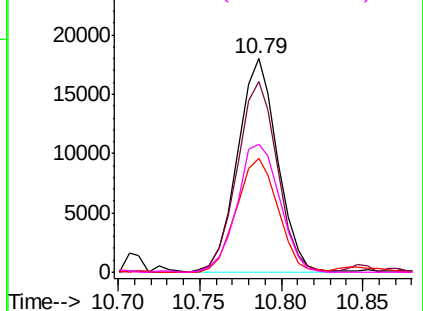
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

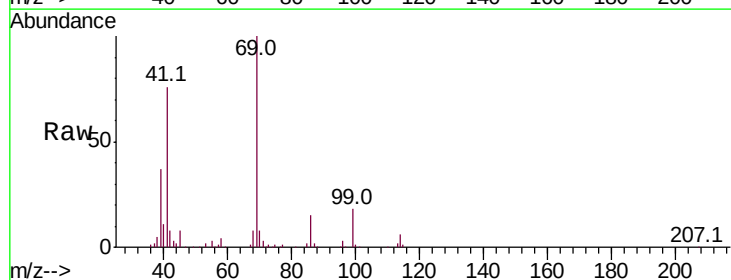
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 19.189 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.6	64.4	96.6
39	37.5	31.1	46.7

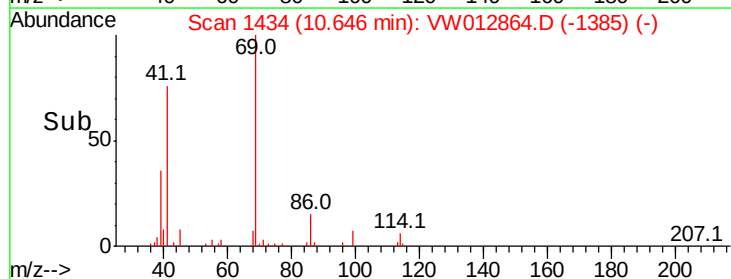
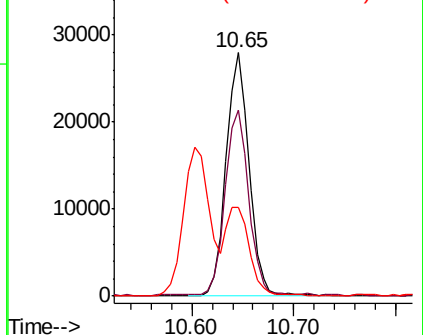


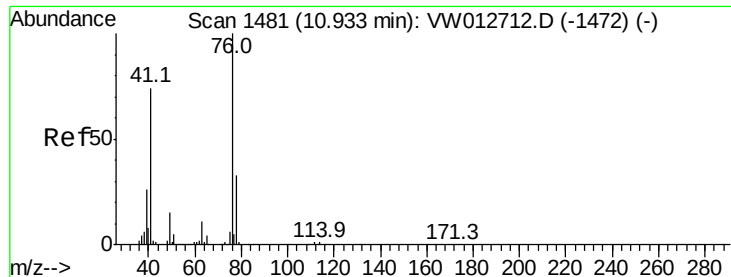
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 19.319 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

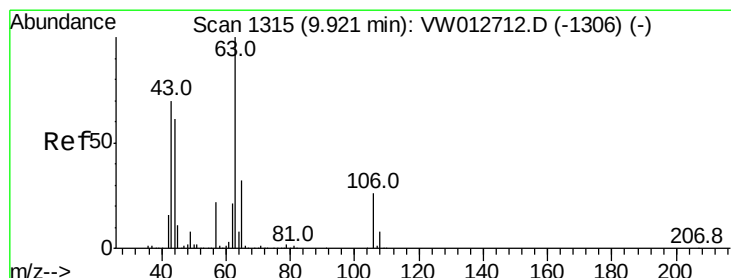
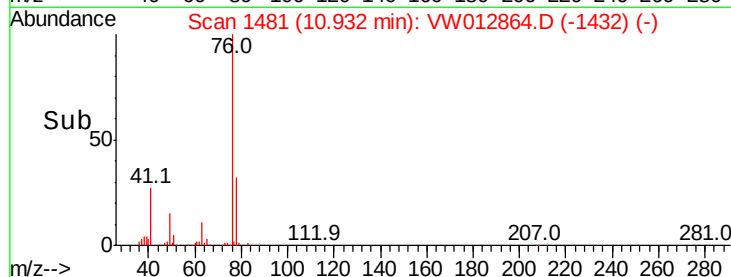
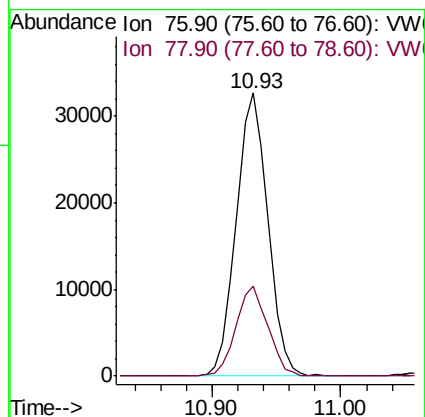
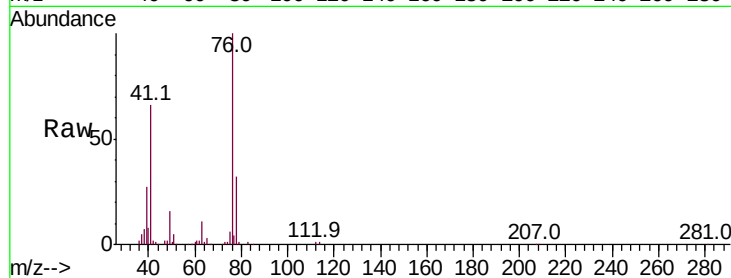
VW0910SBSD01

Tot Ion: 76 Resp: 55702

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 93.936 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012864.D

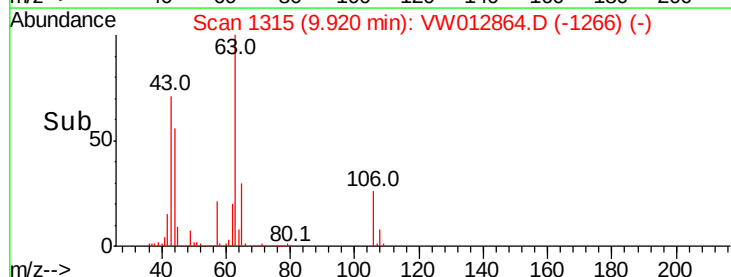
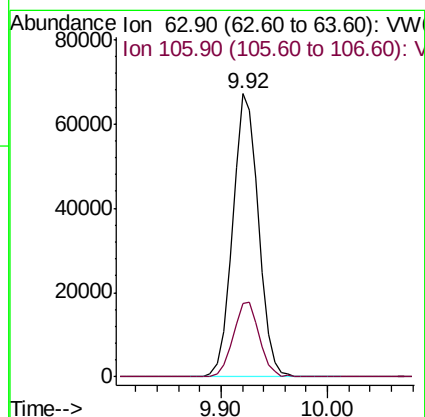
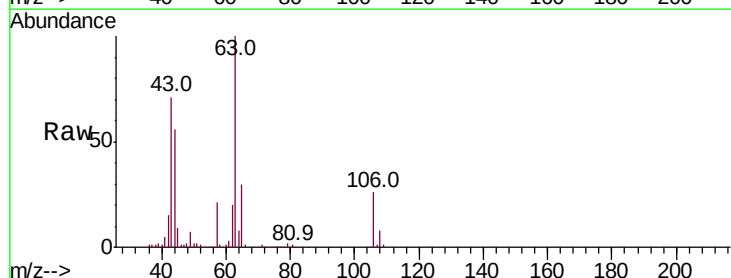
Acq: 10 Sep 2019 12:31

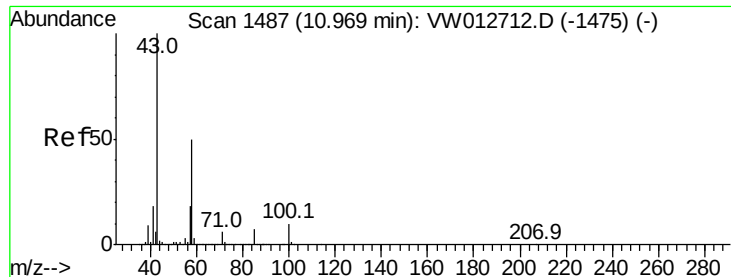
Tgt Ion: 63 Resp: 113770

Ion Ratio Lower Upper

63 100

106 26.9 20.5 30.7

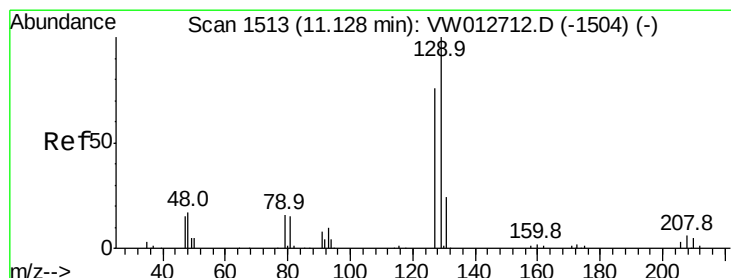
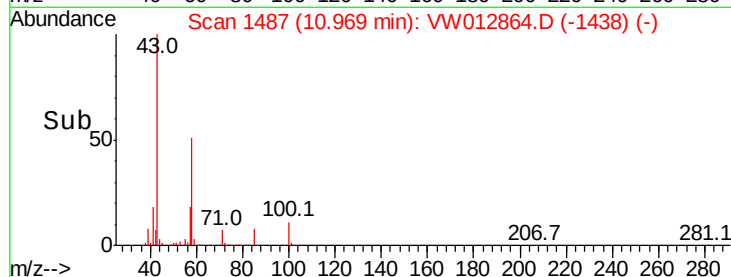
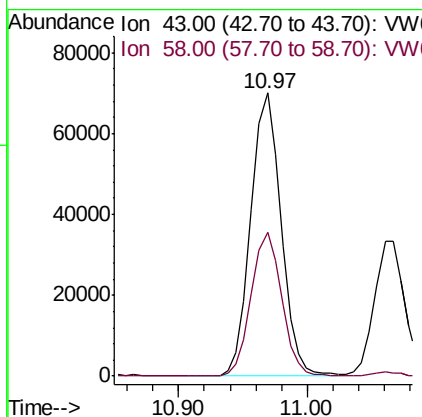
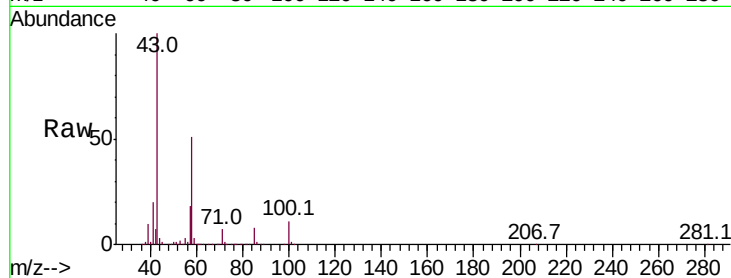




#59
2-Hexanone
Concen: 86.221 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

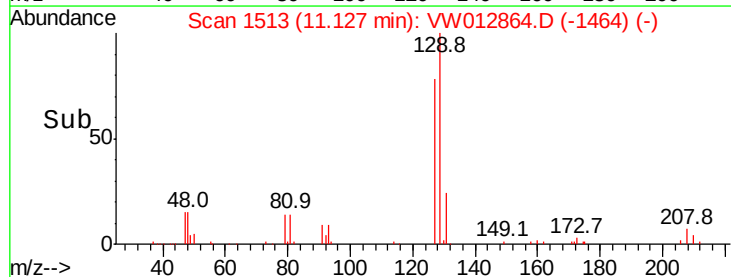
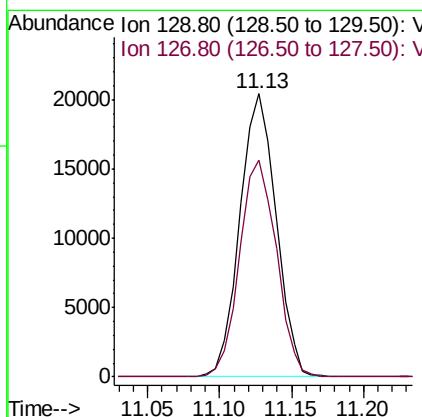
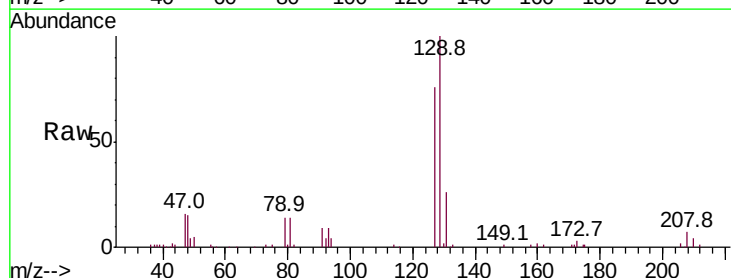
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

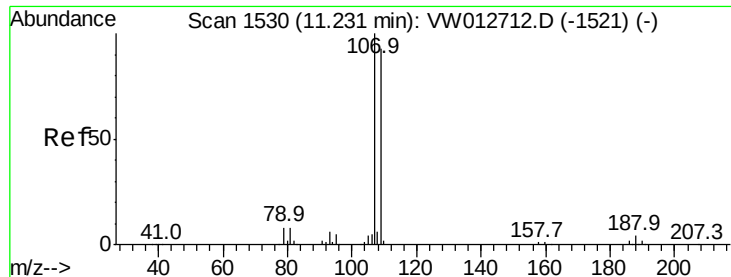
Tot Ion: 43 Resp: 114044
Ion Ratio Lower Upper
43 100
58 51.4 24.7 74.1



#60
Dibromochloromethane
Concen: 19.475 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 129 Resp: 35696
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.336 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

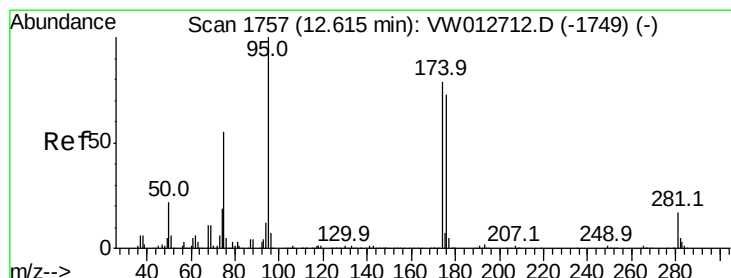
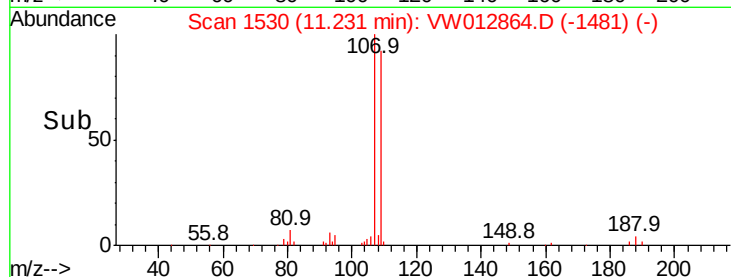
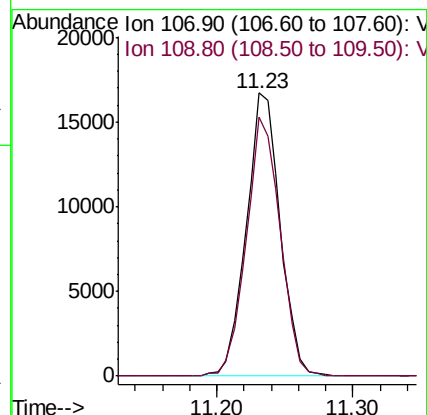
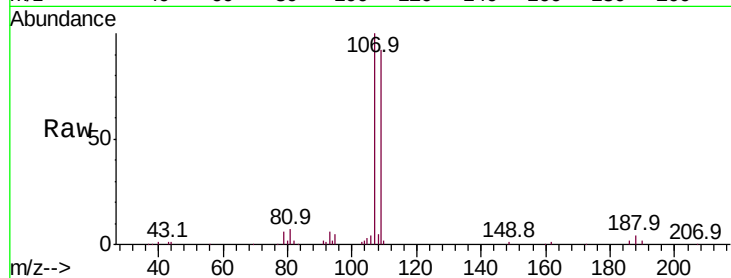
VW0910SBSD01

Tot Ion:107 Resp: 29057

Ion Ratio Lower Upper

107 100

109 91.6 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 46.792 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

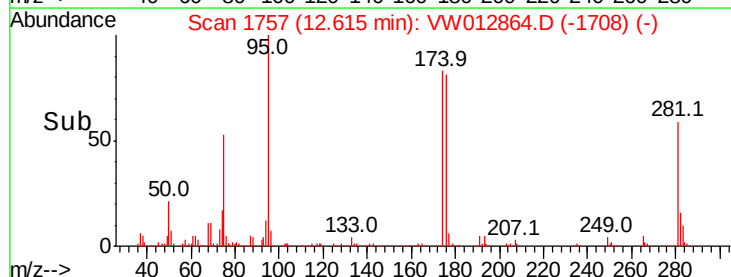
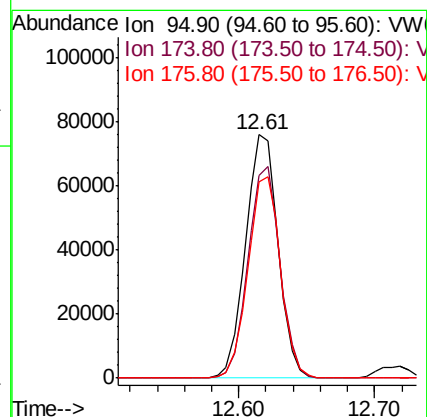
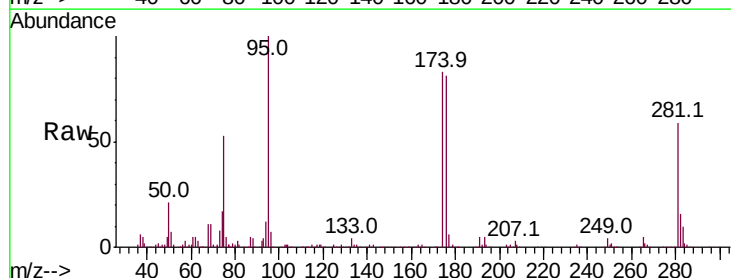
Tgt Ion: 95 Resp: 127216

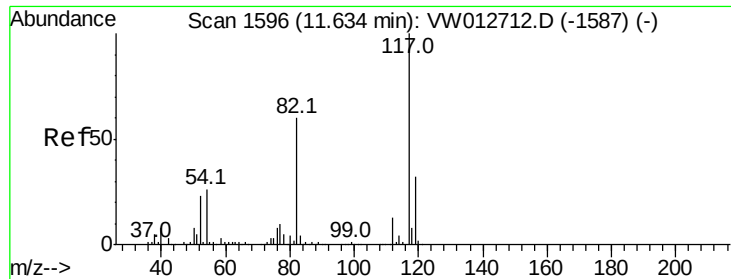
Ion Ratio Lower Upper

95 100

174 85.3 0.0 161.0

176 82.7 0.0 156.4

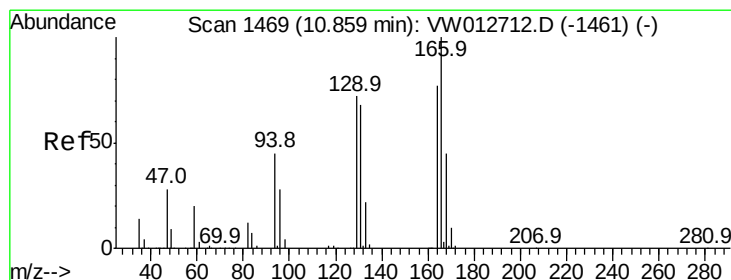
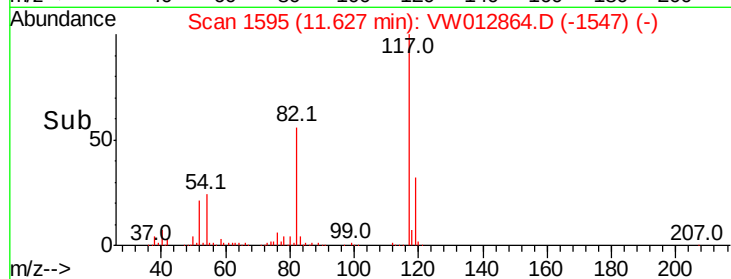
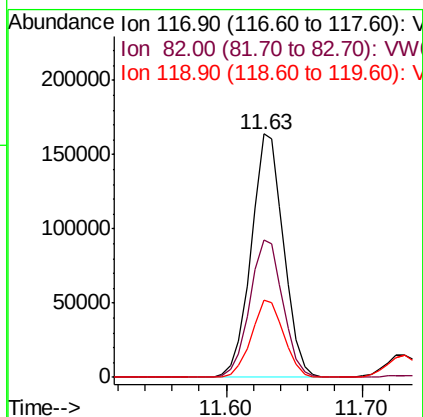
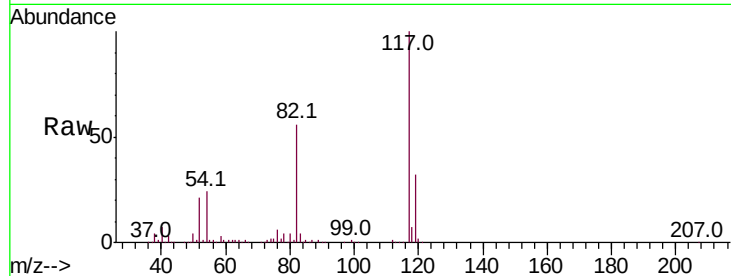




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

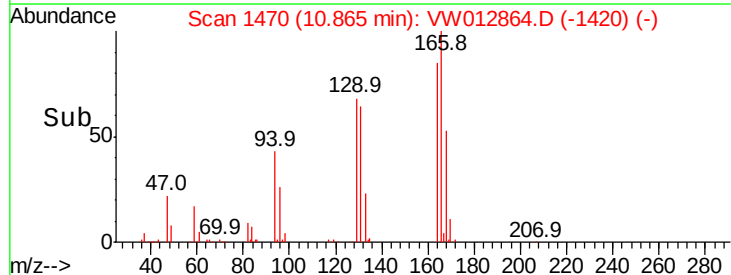
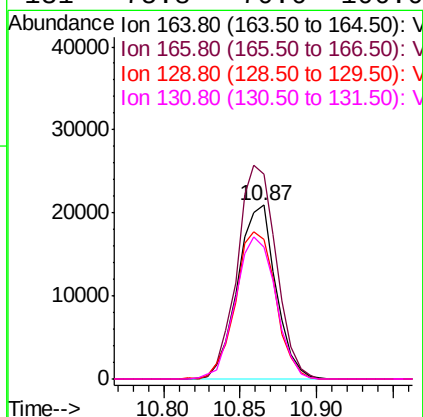
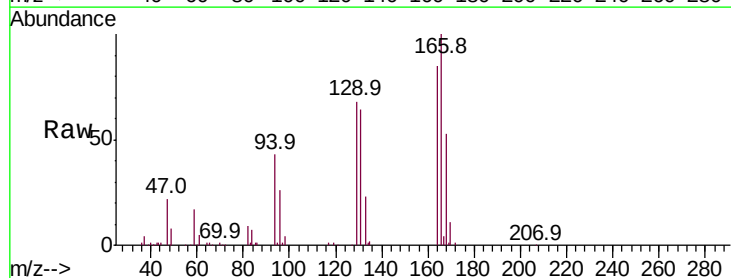
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

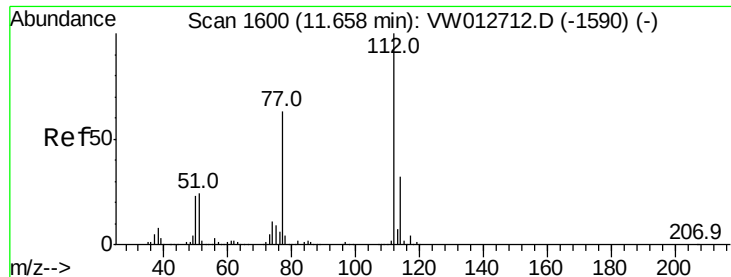
Tot Ion:117 Resp: 273463
Ion Ratio Lower Upper
117 100
82 56.4 48.2 72.4
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 21.820 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion:164 Resp: 36207
Ion Ratio Lower Upper
164 100
166 118.0 103.6 155.4
129 80.5 74.6 112.0
131 75.8 70.6 106.0





#65

Chlorobenzene

Concen: 20.888 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

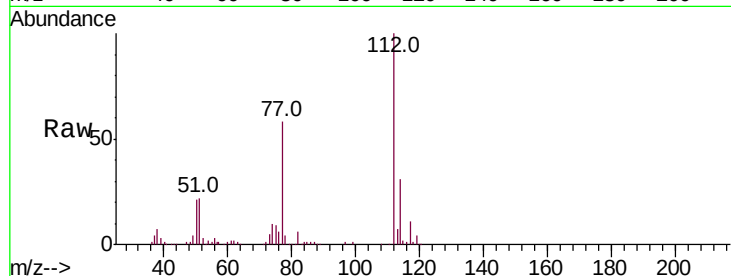
VW0910SBSD01

Tot Ion:112 Resp: 107960

Ion Ratio Lower Upper

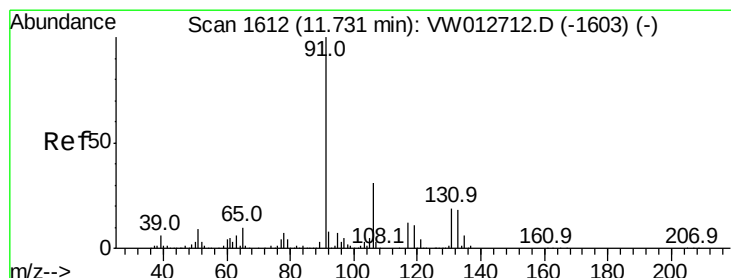
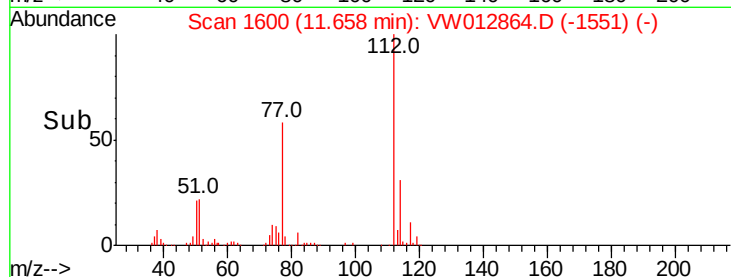
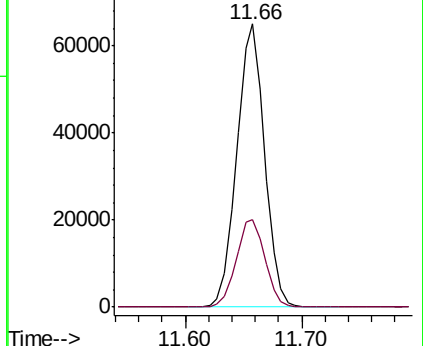
112 100

114 31.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.280 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

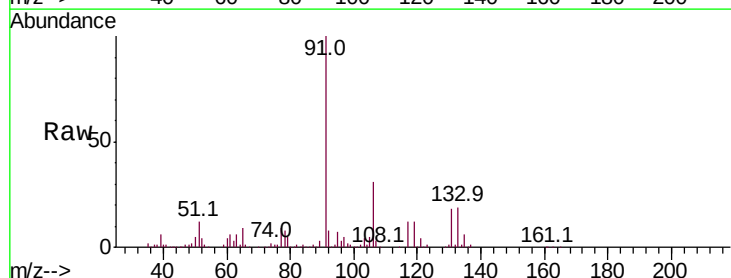
Tgt Ion:131 Resp: 39035

Ion Ratio Lower Upper

131 100

133 96.9 47.6 142.8

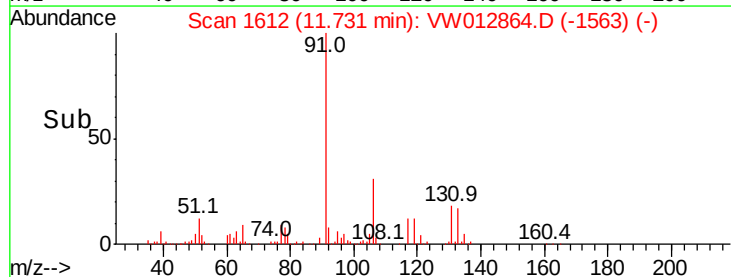
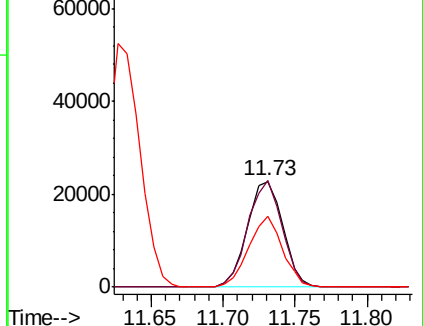
119 63.5 30.6 92.0

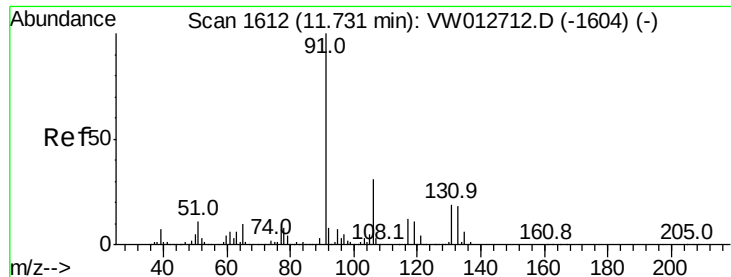


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

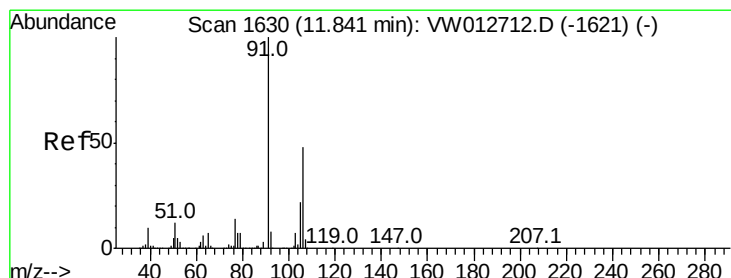
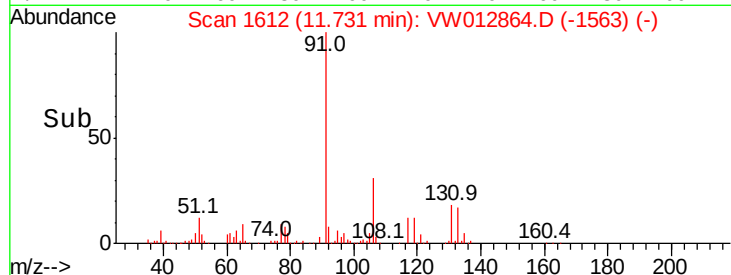
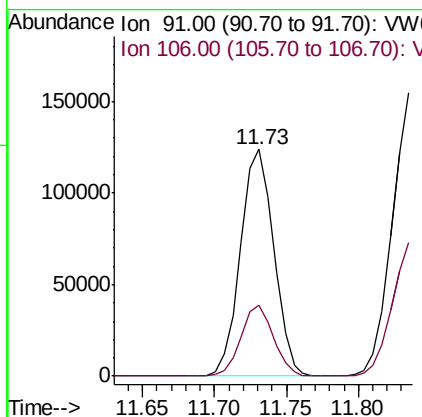
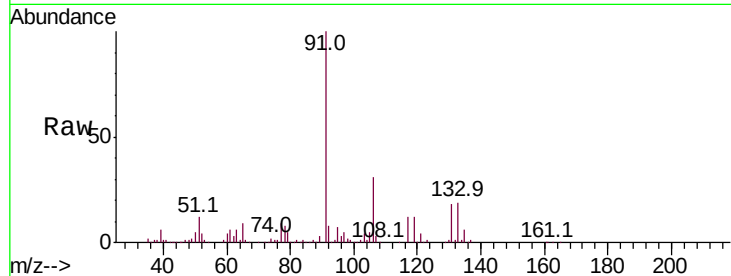




#67
Ethyl Benzene
Concen: 20.541 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

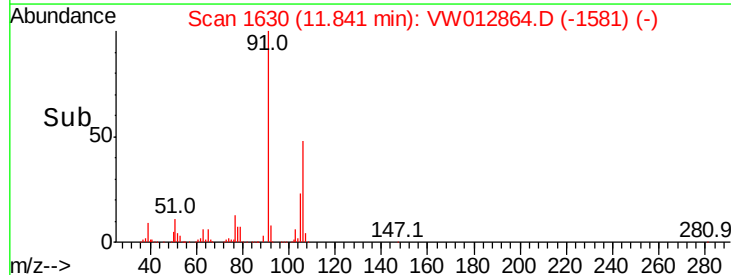
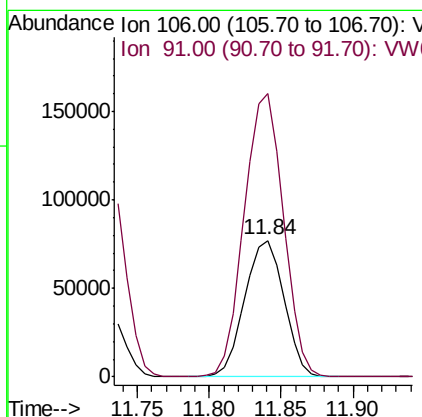
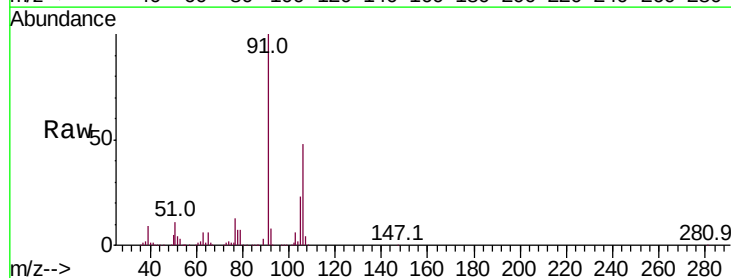
Instrument :
MSVOA_W
ClientSampled :
VW0910SBSD01

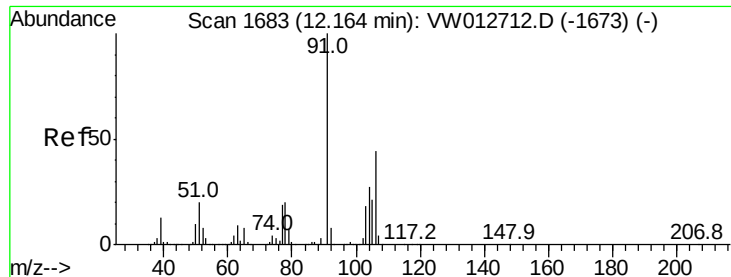
Tot Ion: 91 Resp: 199193
Ion Ratio Lower Upper
91 100
106 31.2 24.4 36.6



#68
m/p-Xylenes
Concen: 41.772 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 106 Resp: 146216
Ion Ratio Lower Upper
106 100
91 207.1 168.2 252.4

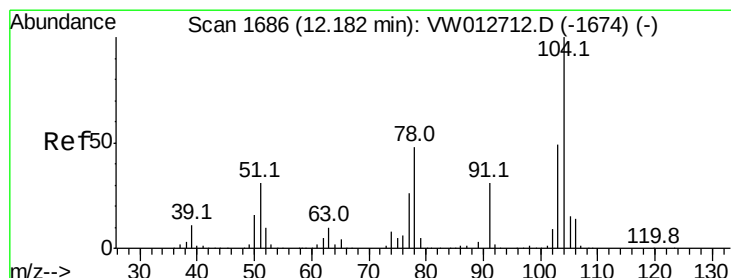
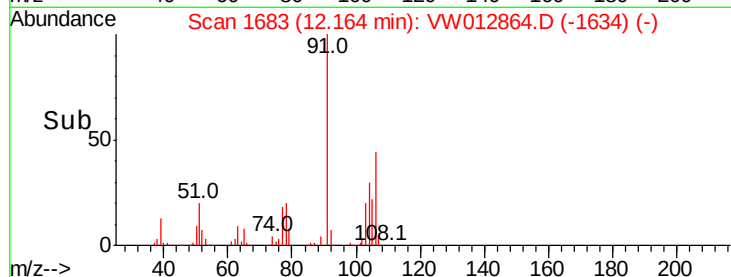
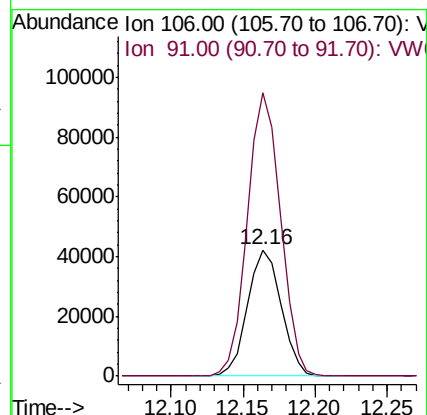
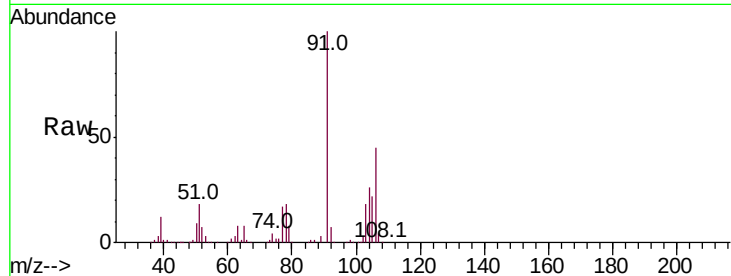




#69
o-Xylene
Concen: 20.712 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

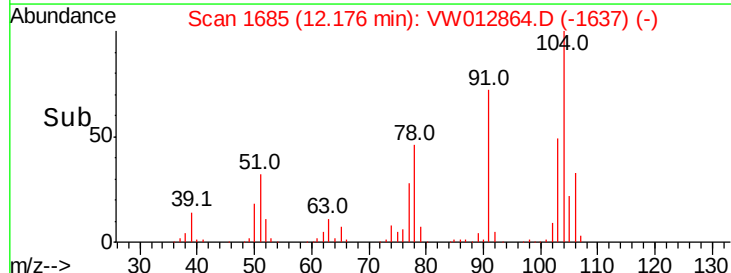
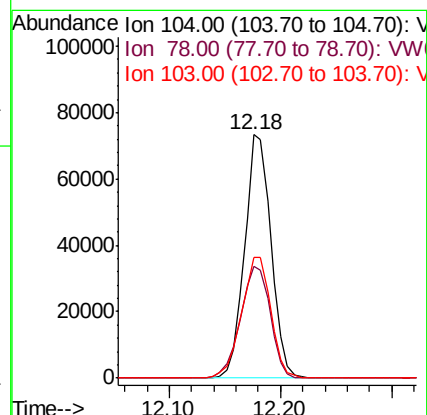
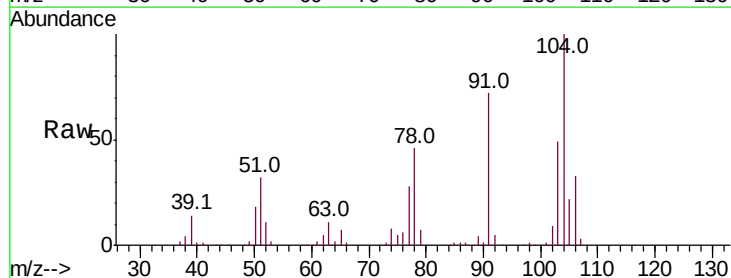
Instrument :
MSVOA_W
ClientSampleID :
VW0910SBSD01

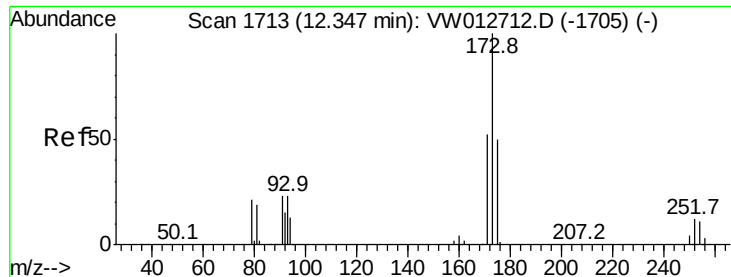
Tot Ion:106 Resp: 68396
Ion Ratio Lower Upper
106 100
91 221.1 112.3 336.8



#70
Styrene
Concen: 20.629 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion:104 Resp: 120381
Ion Ratio Lower Upper
104 100
78 51.9 43.3 64.9
103 54.9 44.0 66.0





#71

Bromoform

Concen: 19.849 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

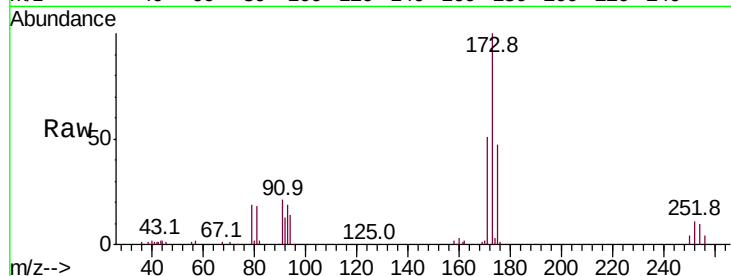
Tot Ion:173 Resp: 21226

Ion Ratio Lower Upper

173 100

175 47.3 24.8 74.3

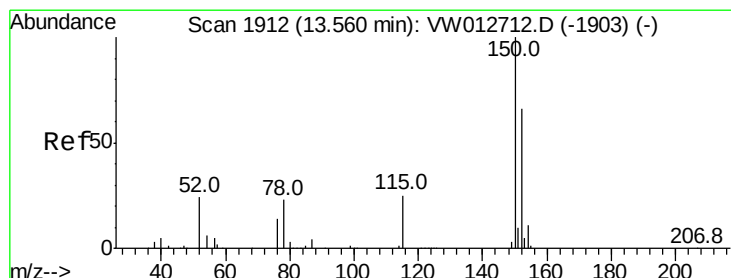
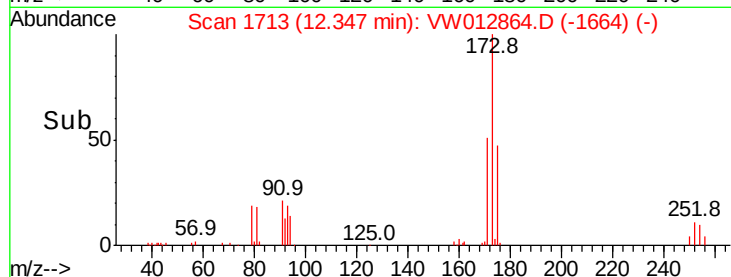
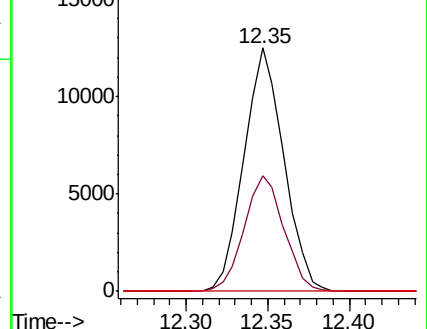
254 0.0 0.1 0.1#



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: VW012864.D

Acq: 10 Sep 2019 12:31

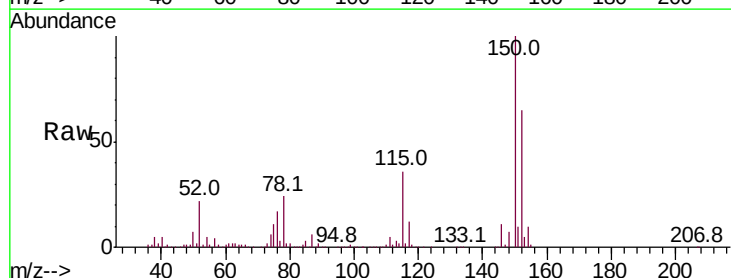
Tgt Ion:152 Resp: 138171

Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.1

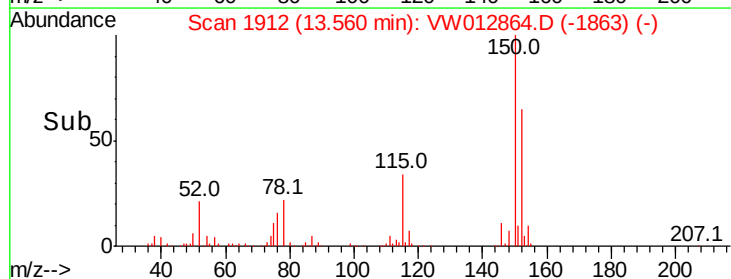
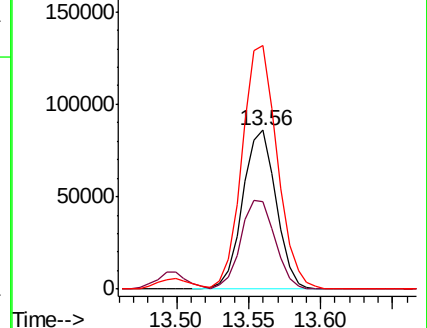
150 161.2 0.0 349.0

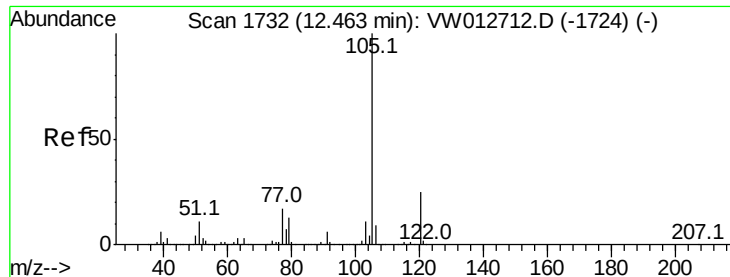


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.295 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

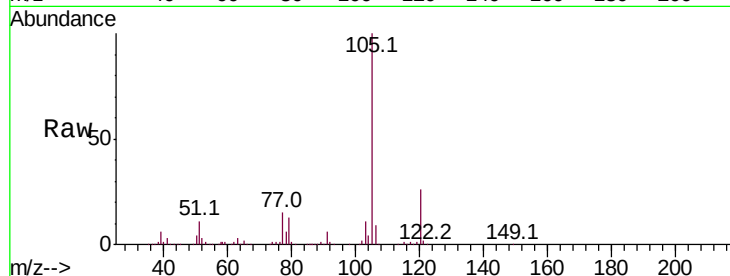
VW0910SBSD01

Tot Ion:105 Resp: 201125

Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

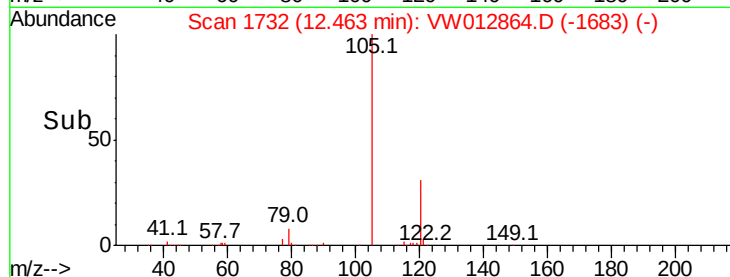
150000

120000

50000

0

Time-->



Abundance

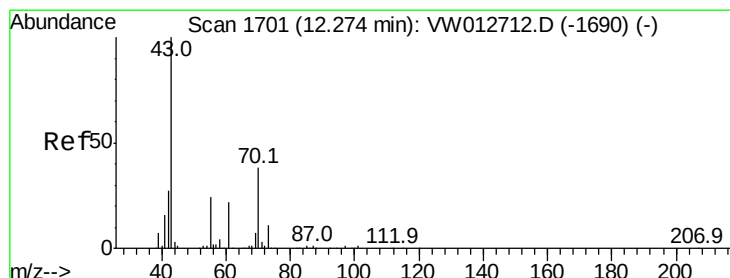
150000

120000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.172 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Tgt Ion: 43 Resp: 57162

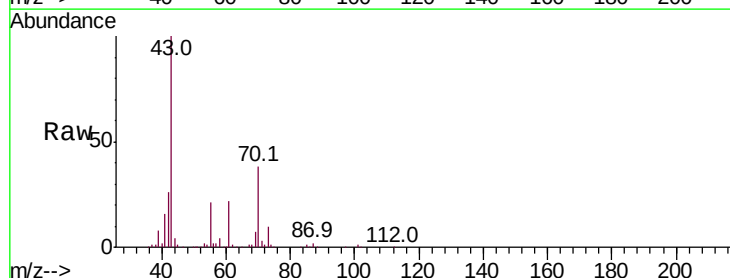
Ion Ratio Lower Upper

43 100

70 38.7 29.4 44.0

55 23.7 18.6 27.8

61 21.9 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

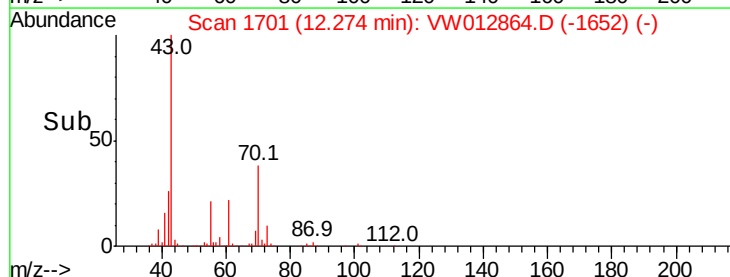
30000

20000

10000

0

Time-->



Abundance

50000

40000

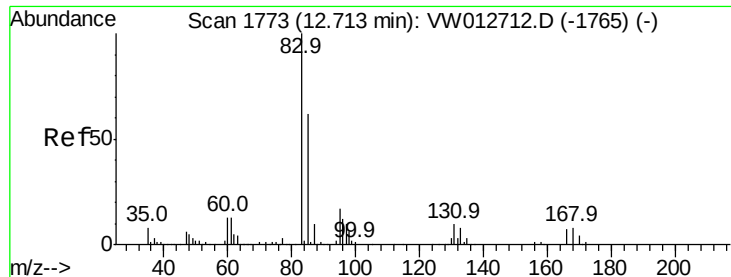
30000

20000

10000

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 18.597 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

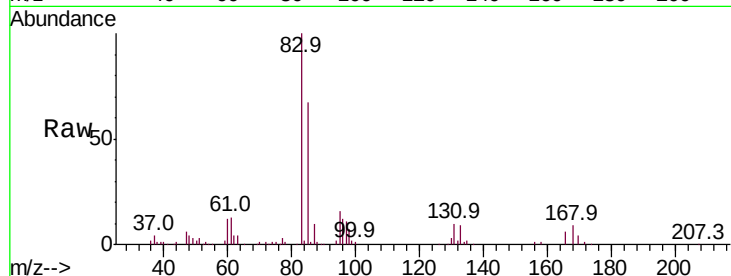
Tot Ion: 83 Resp: 37012

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.1	15.4
85	65.2	31.4	94.2

83 100

131 11.2 5.1 15.4

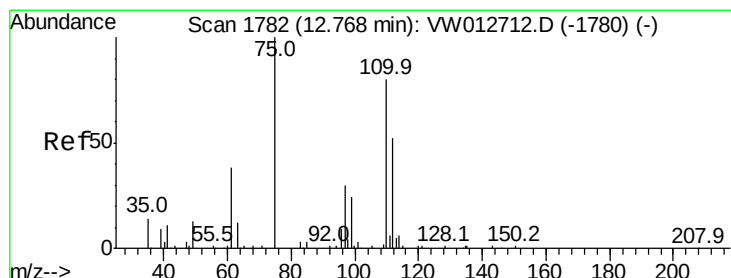
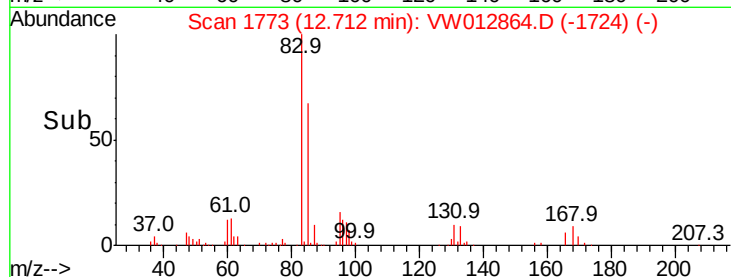
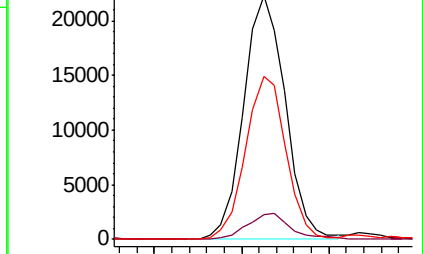
85 65.2 31.4 94.2



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: 35.430 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012864.D

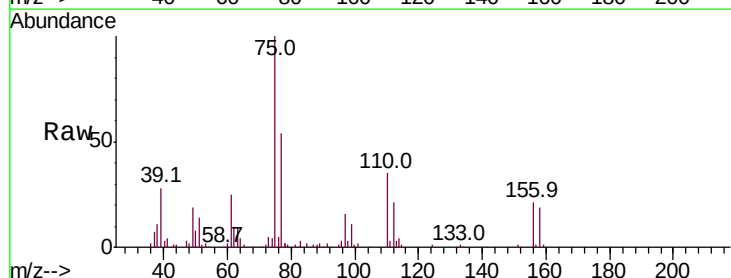
Acq: 10 Sep 2019 12:31

Tgt Ion: 75 Resp: 50057

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

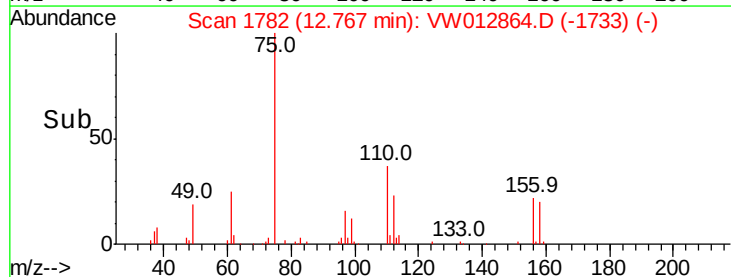
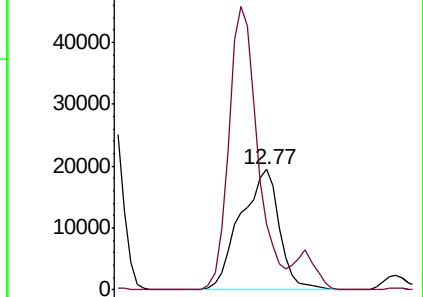
75 100

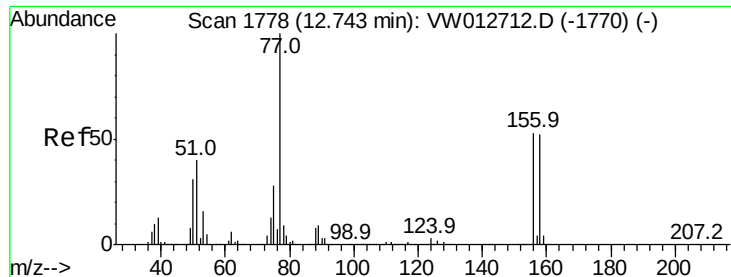
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

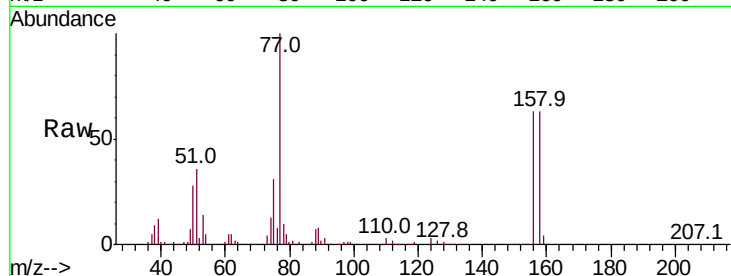




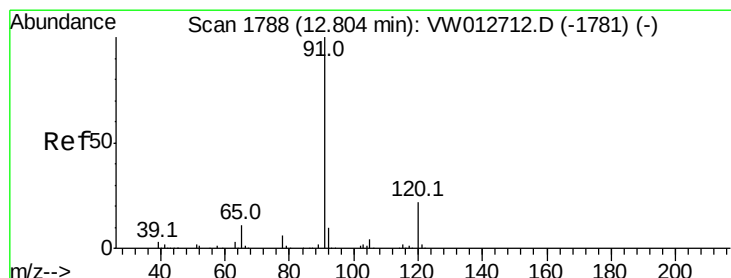
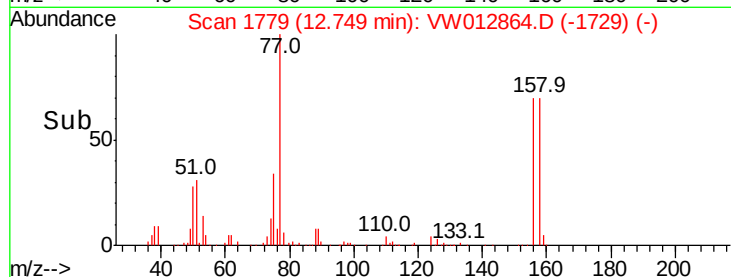
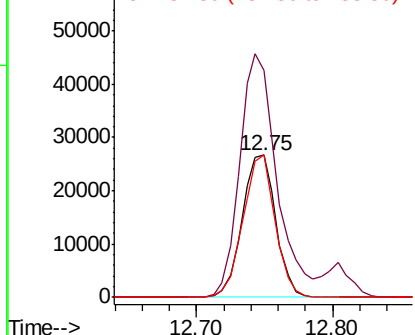
#77
Bromobenzene
Concen: 20.493 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

Tot Ion:156 Resp: 46010
Ion Ratio Lower Upper
156 100
77 189.0 102.3 306.9
158 95.4 48.9 146.8

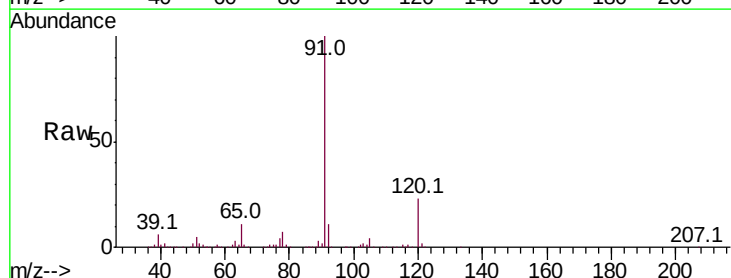


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

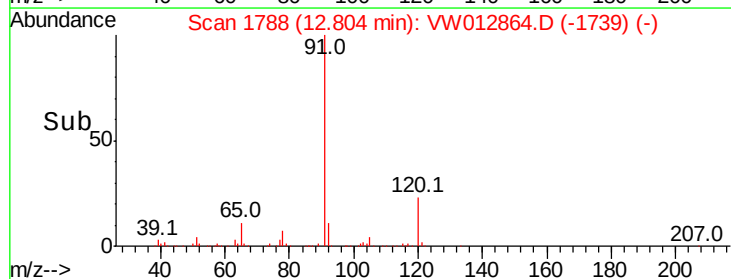
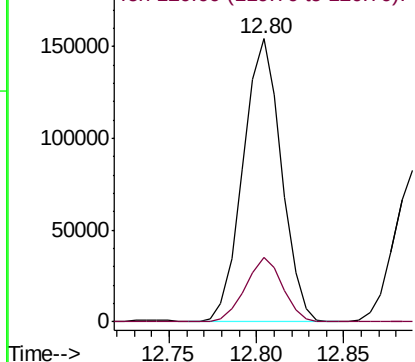


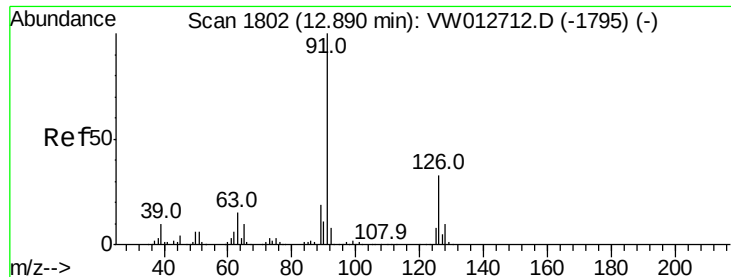
#78
n-propylbenzene
Concen: 19.780 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion: 91 Resp: 234443
Ion Ratio Lower Upper
91 100
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.641 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

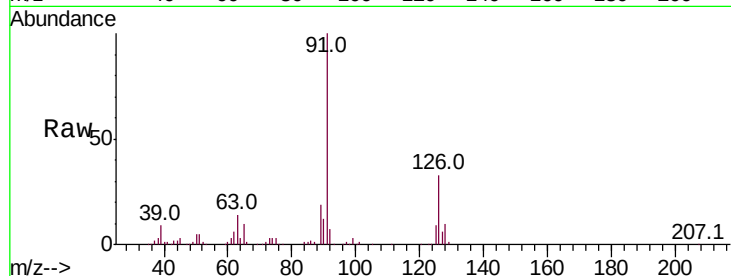
VW0910SBSD01

Tot Ion: 91 Resp: 133641

Ion Ratio Lower Upper

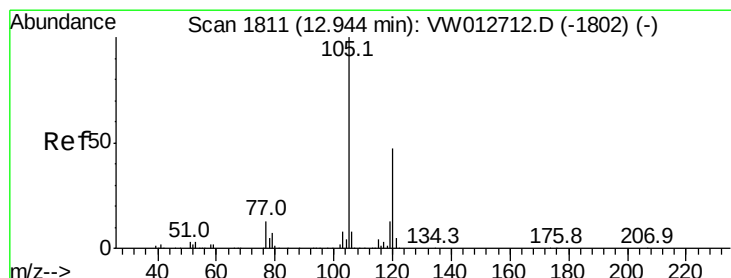
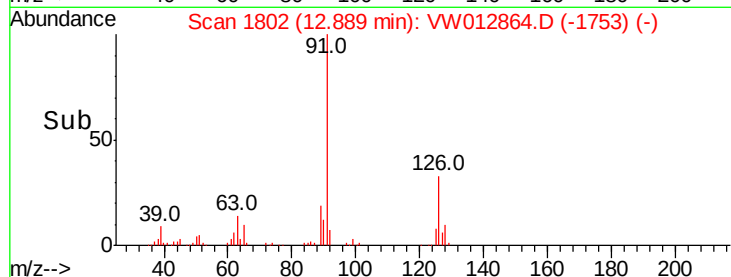
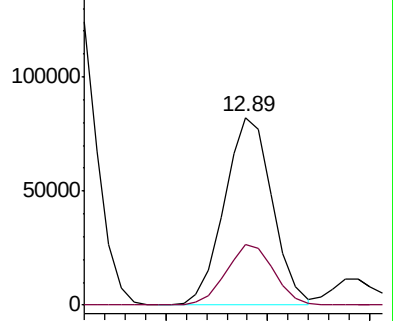
91 100

126 32.7 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.100 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012864.D

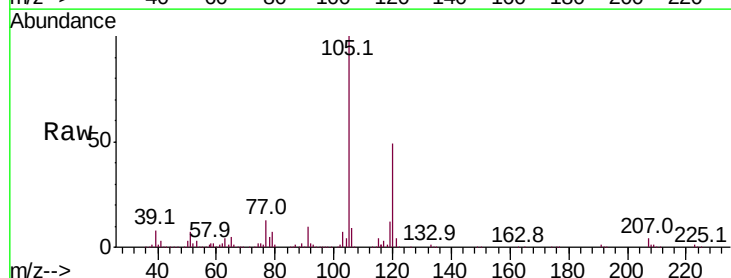
Acq: 10 Sep 2019 12:31

Tgt Ion:105 Resp: 167848

Ion Ratio Lower Upper

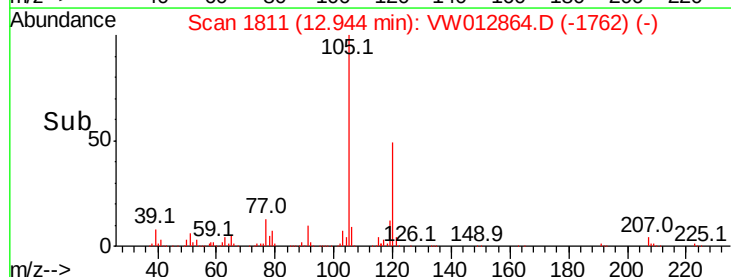
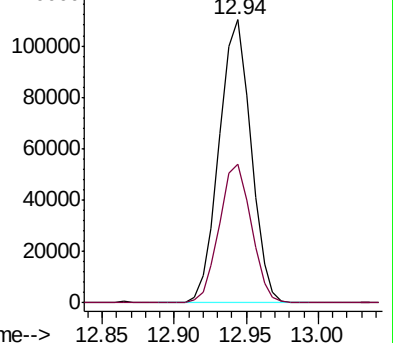
105 100

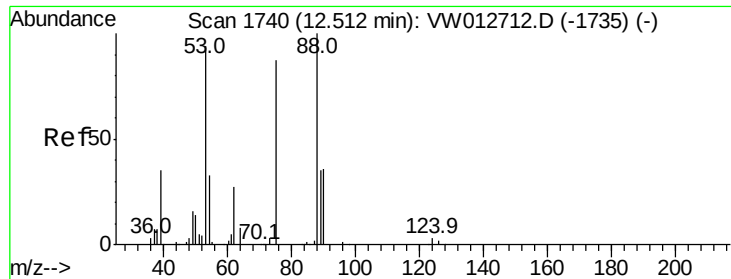
120 49.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.841 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

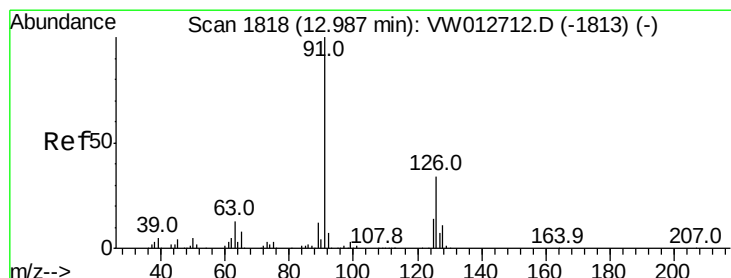
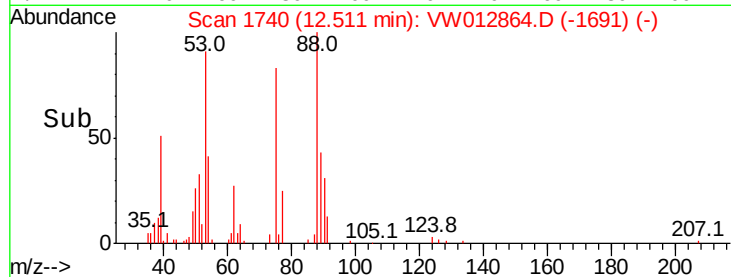
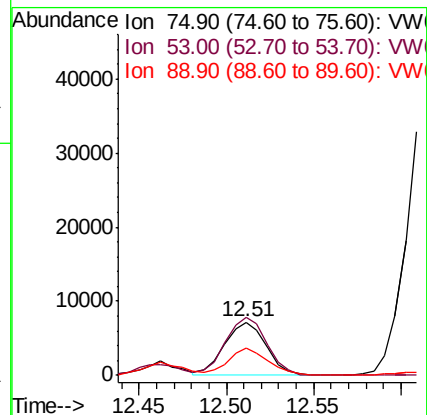
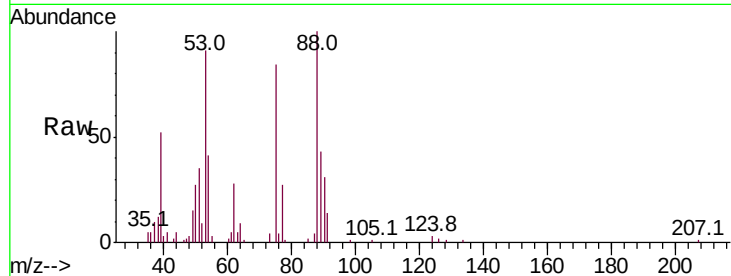
Tot Ion: 75 Resp: 11918

Ion Ratio Lower Upper

75 100

53 110.1 87.6 131.4

89 47.8 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.612 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012864.D

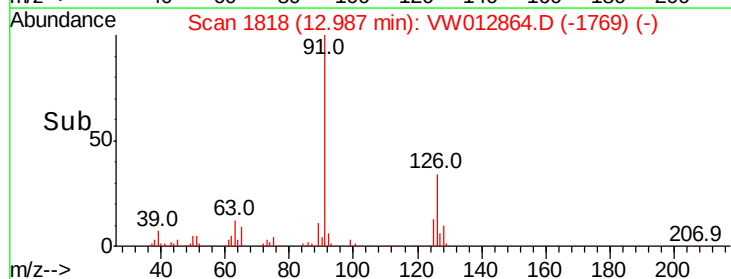
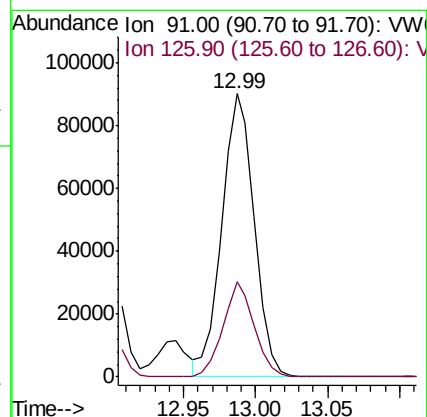
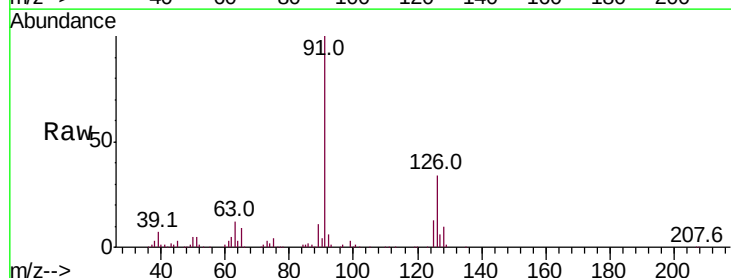
Acq: 10 Sep 2019 12:31

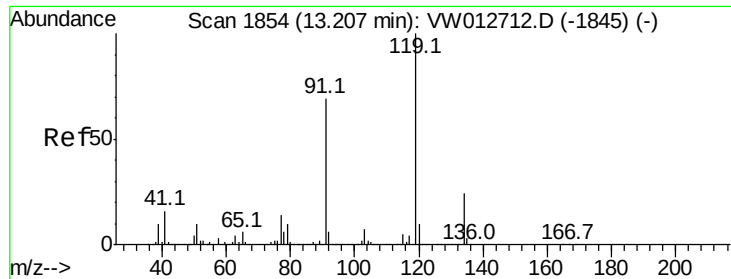
Tgt Ion: 91 Resp: 141148

Ion Ratio Lower Upper

91 100

126 32.4 15.9 47.6





#83

tert-Butylbenzene

Concen: 20.236 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

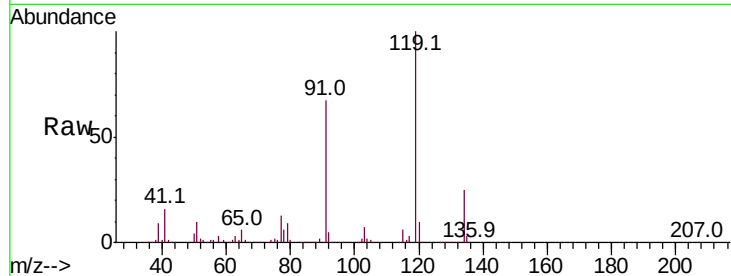
Tot Ion:119 Resp: 149417

Ion Ratio Lower Upper

119 100

91 64.6 34.2 102.5

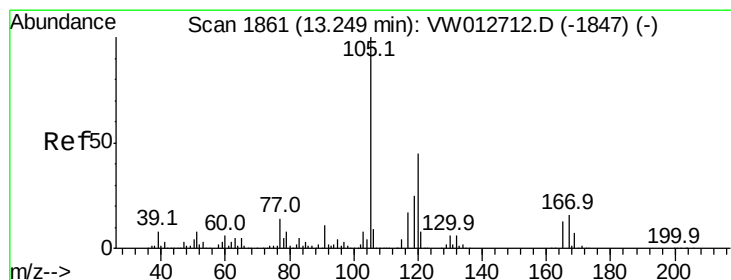
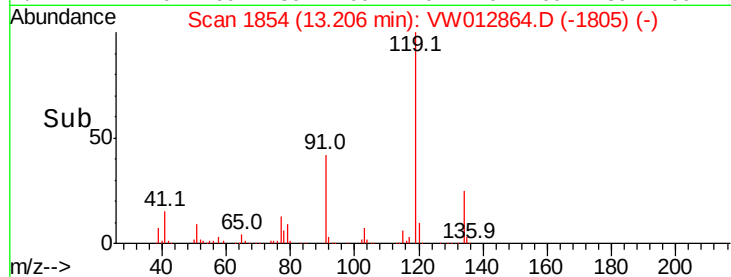
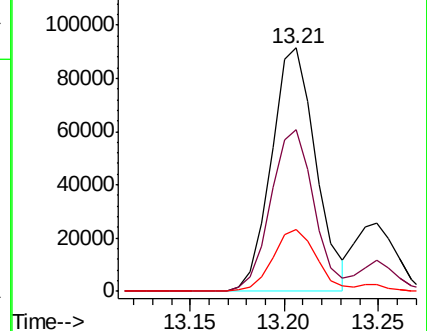
134 25.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.074 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012864.D

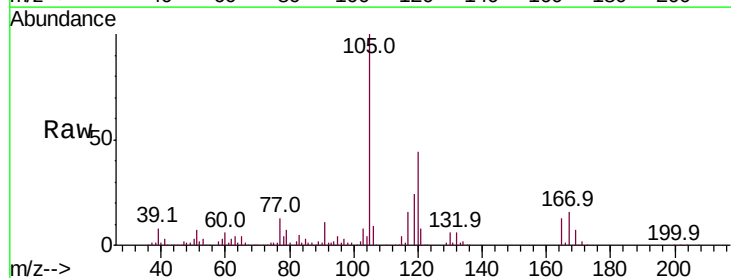
Acq: 10 Sep 2019 12:31

Tgt Ion:105 Resp: 168905

Ion Ratio Lower Upper

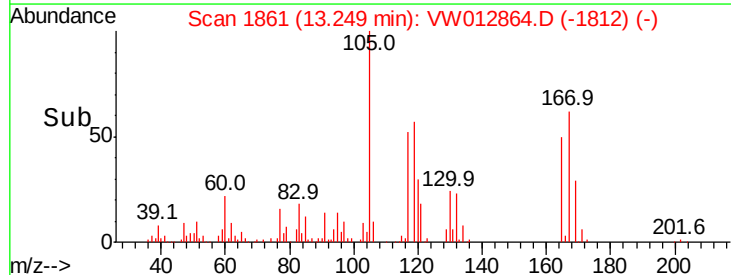
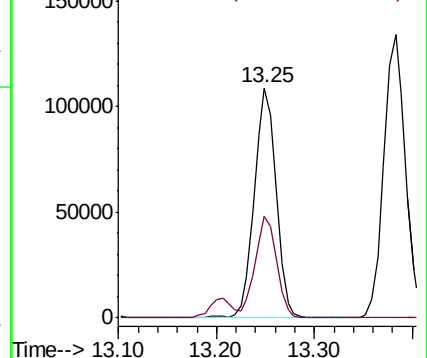
105 100

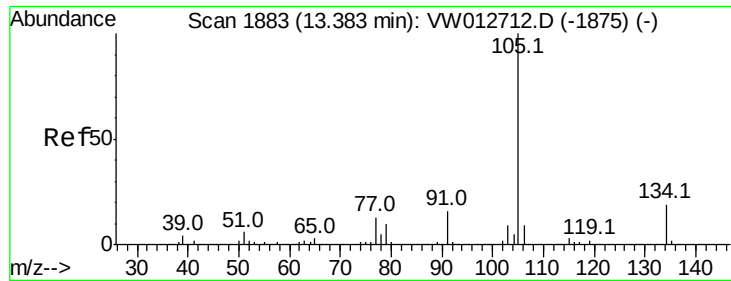
120 43.2 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

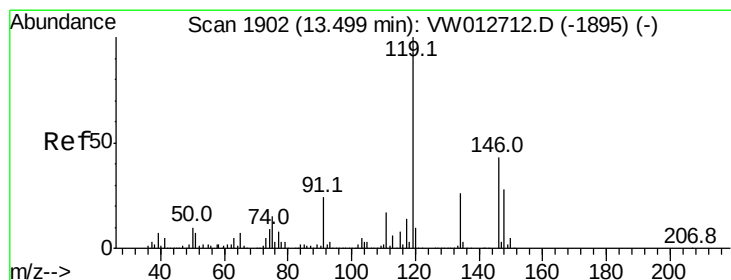
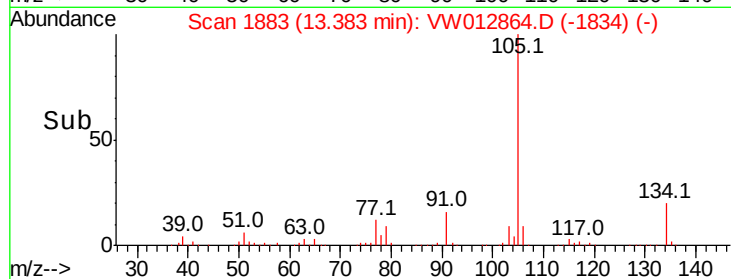
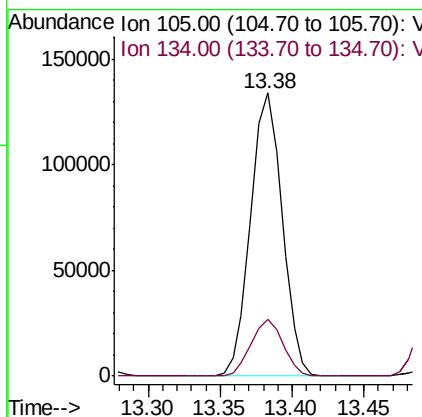
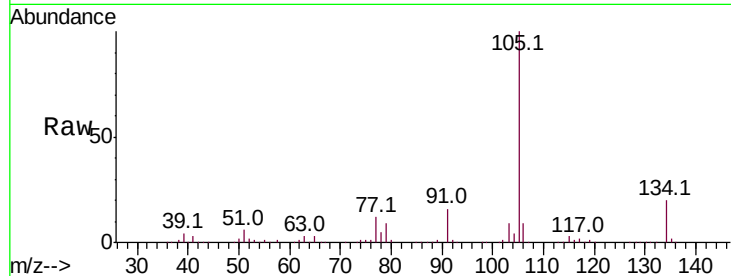




#85
 sec-Butylbenzene
 Concen: 19.933 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

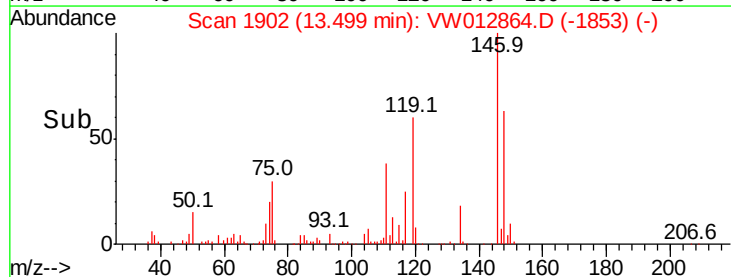
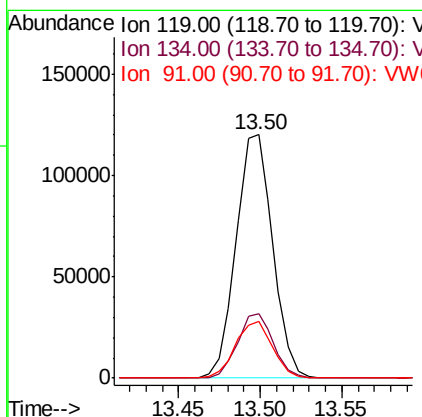
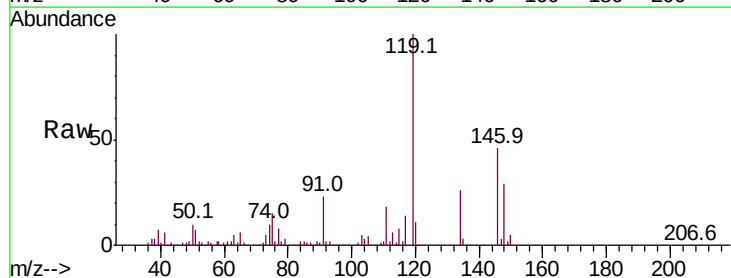
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

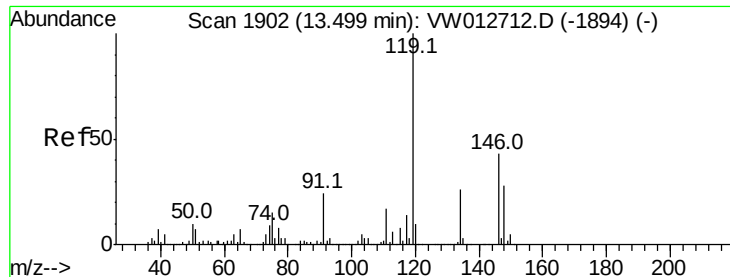
Tot Ion:105 Resp: 204232
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 20.034 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion:119 Resp: 187494
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 23.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 20.073 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

VW0910SBSD01

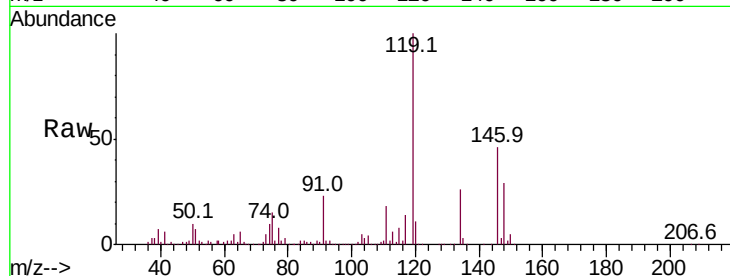
Tot Ion:146 Resp: 88584

Ion Ratio Lower Upper

146 100

111 39.9 20.4 61.2

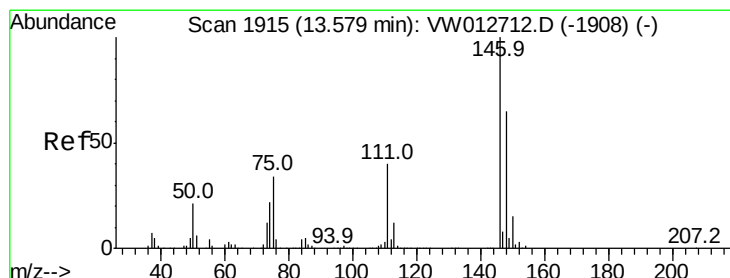
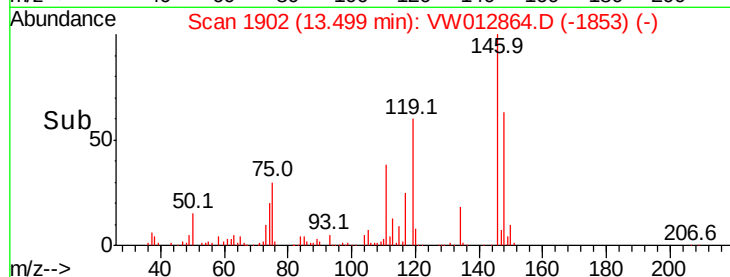
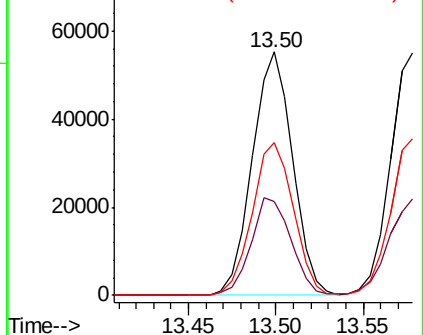
148 64.2 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.180 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

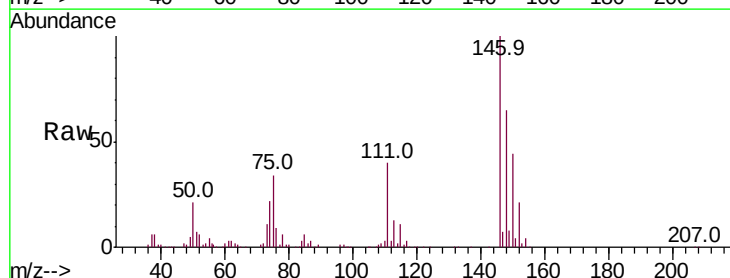
Tgt Ion:146 Resp: 88617

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

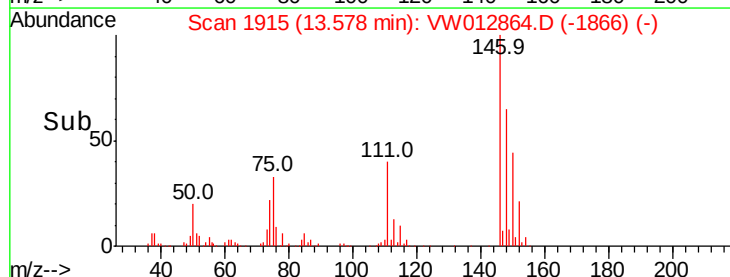
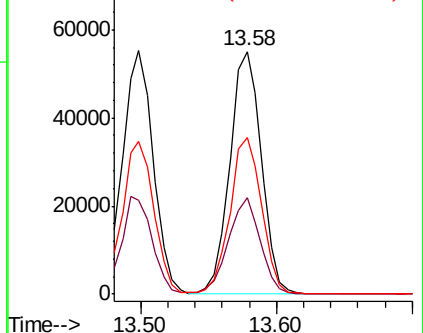
148 64.8 32.2 96.6

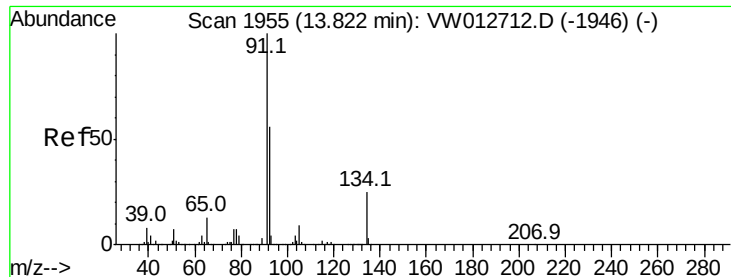


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.486 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012864.D

Acq: 10 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBSD01

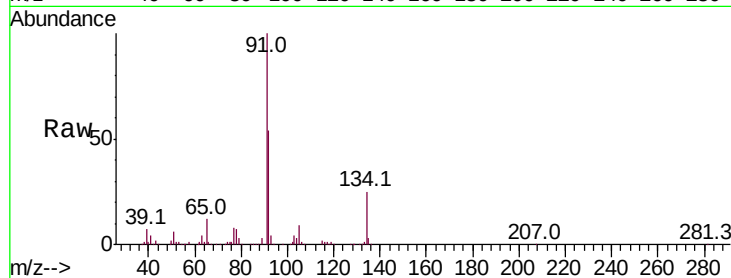
Tot Ion: 91 Resp: 177048

Ion Ratio Lower Upper

91 100

92 54.6 27.2 81.5

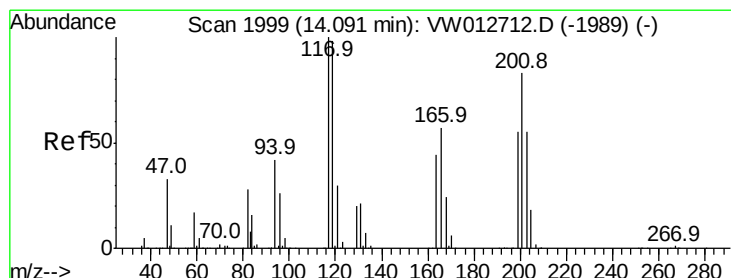
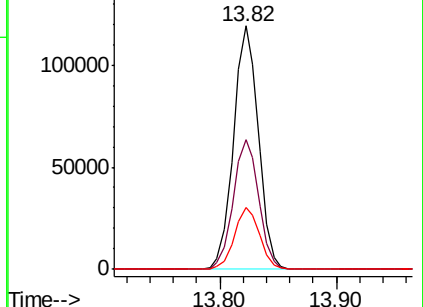
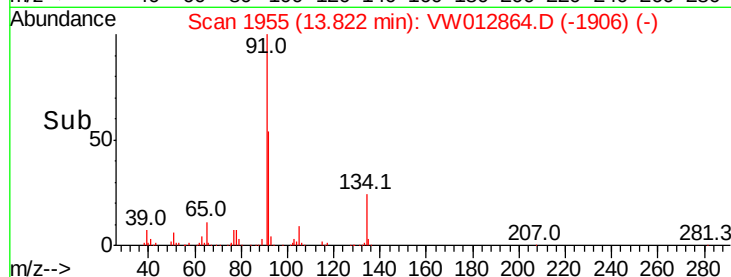
134 25.6 12.7 38.1



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: 18.887 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012864.D

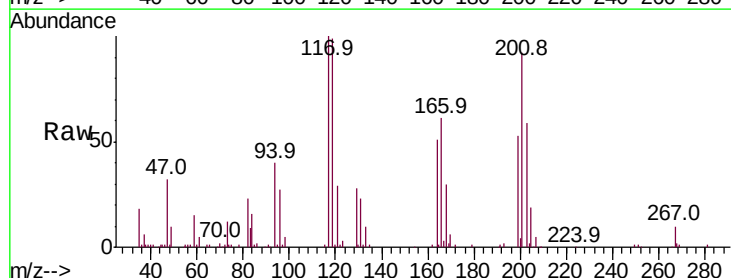
Acq: 10 Sep 2019 12:31

Tgt Ion: 117 Resp: 30857

Ion Ratio Lower Upper

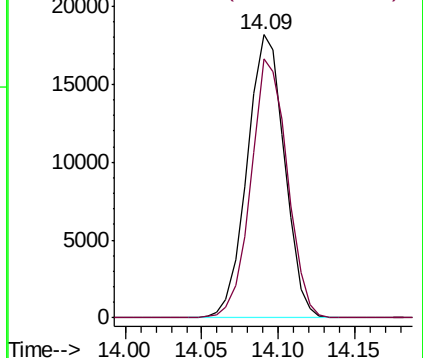
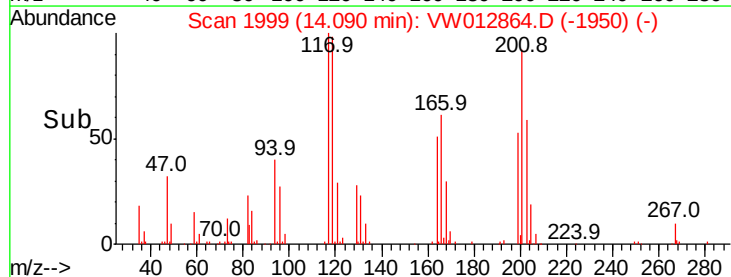
117 100

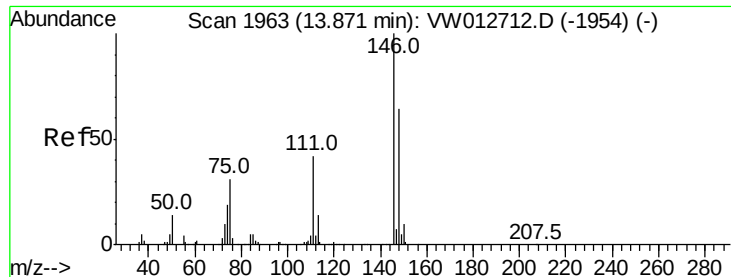
201 89.3 42.8 128.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

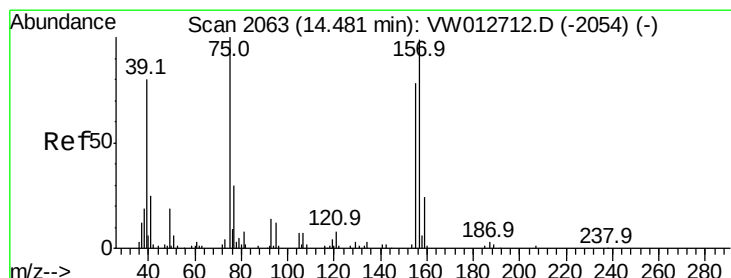
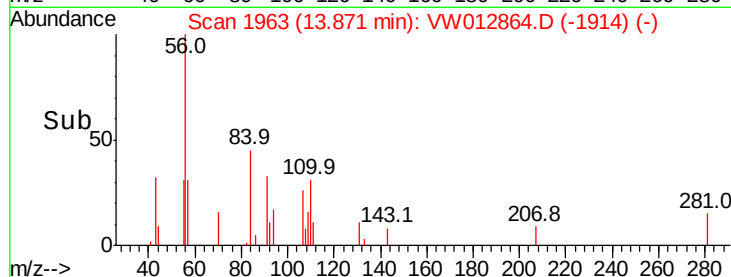
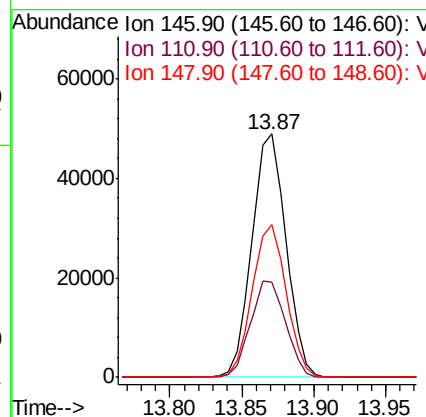
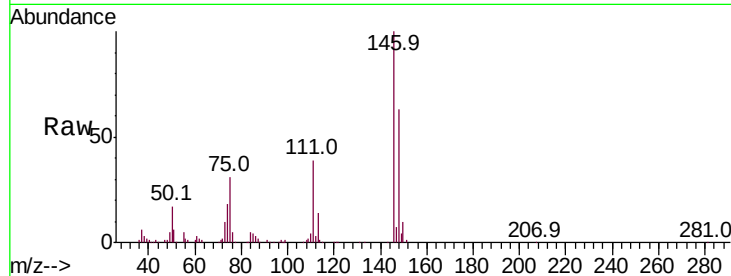




#91
 1,2-Dichlorobenzene
 Concen: 20.186 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

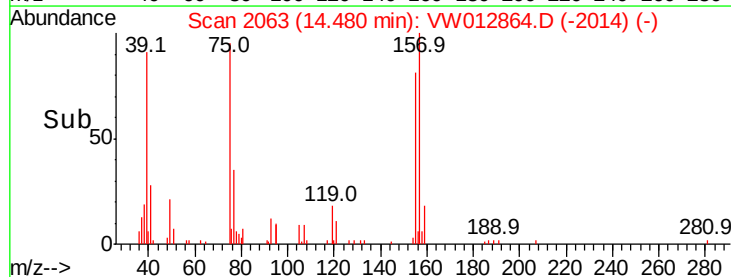
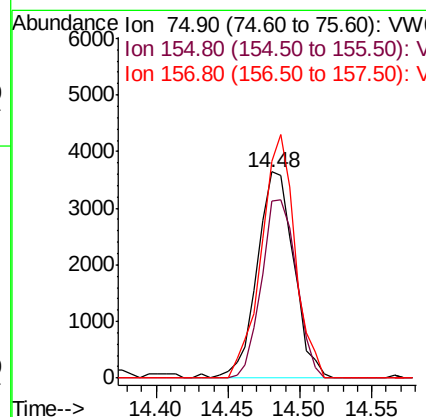
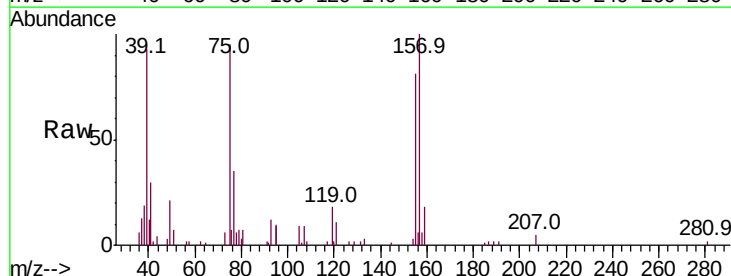
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

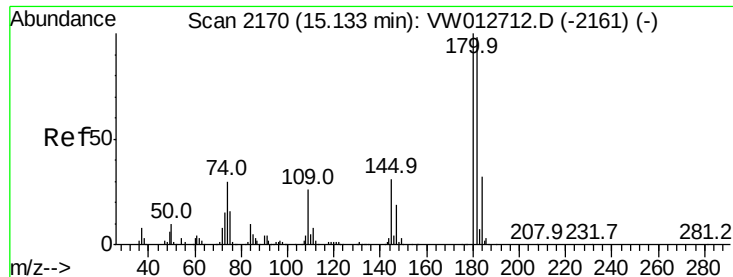
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.9
148	62.7	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.591 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	40.6	122.0
157	108.1	52.5	157.5

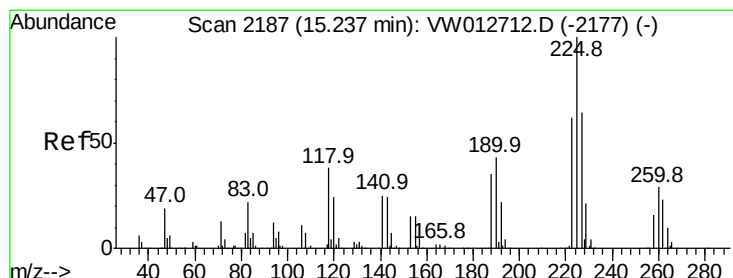
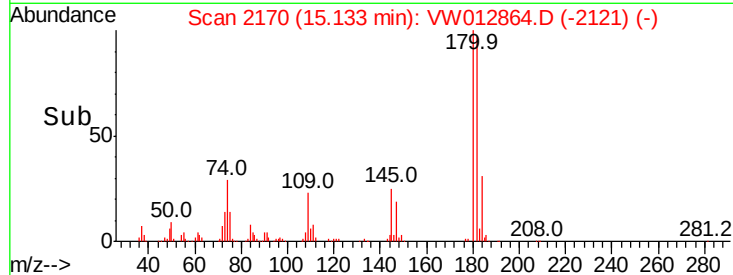
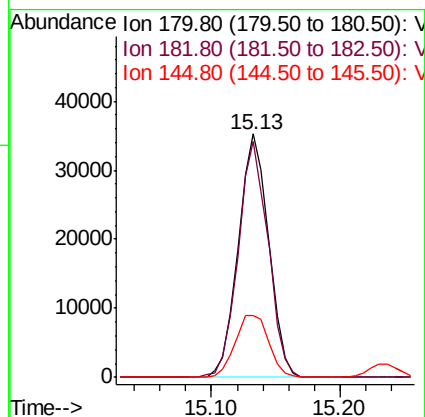
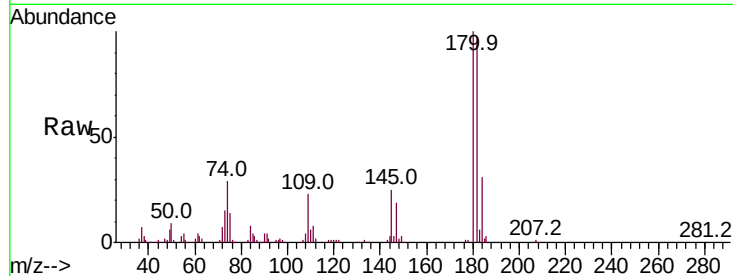




#93
 1,2,4-Trichlorobenzene
 Concen: 20.788 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

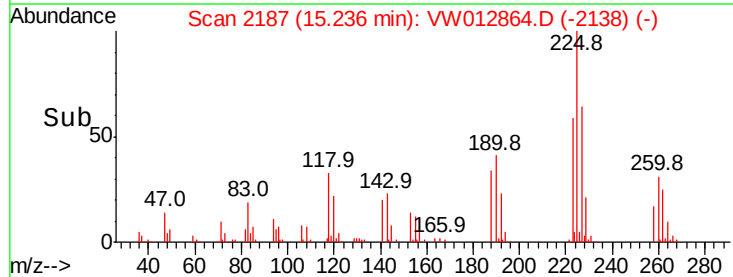
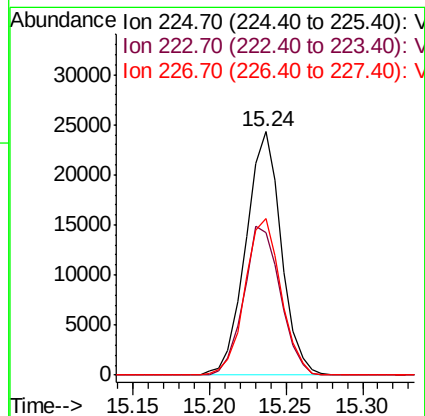
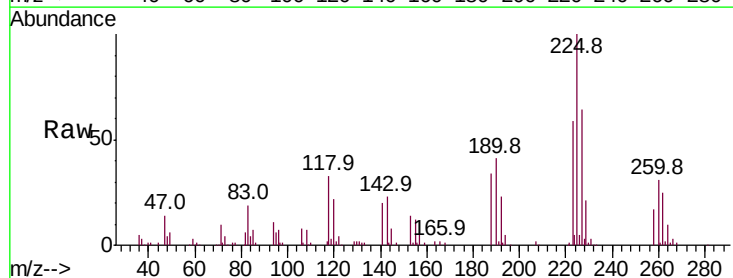
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

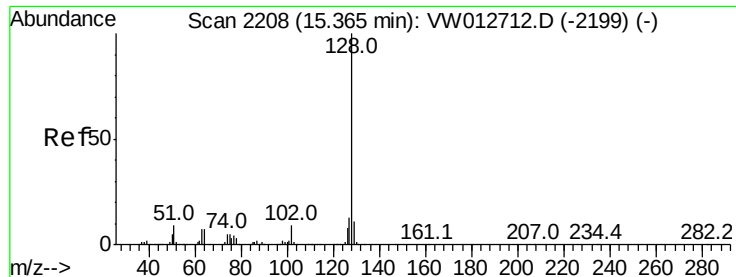
Tot Ion:180 Resp: 57488
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.7 146.1
 145 28.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.351 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012864.D
 Acq: 10 Sep 2019 12:31

Tgt Ion:225 Resp: 38954
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.3
 227 65.6 31.4 94.2

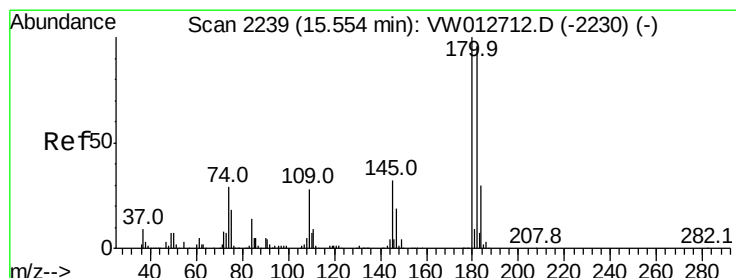
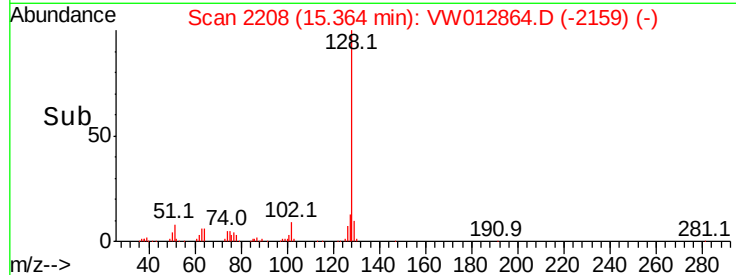
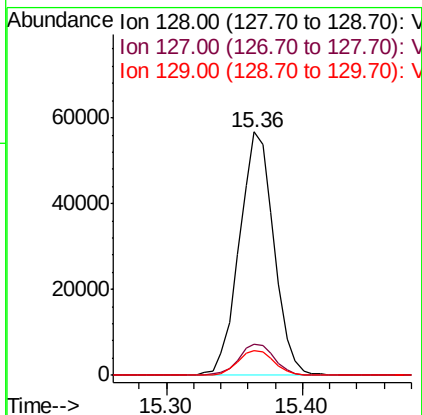
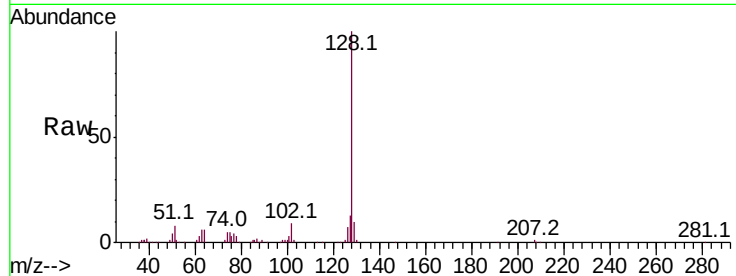




#95
Naphthalene
Concen: 20.219 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBSD01

Tot Ion:128 Resp: 100389
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.130 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012864.D
Acq: 10 Sep 2019 12:31

Tgt Ion:180 Resp: 49138
Ion Ratio Lower Upper
180 100
182 95.4 47.8 143.3
145 31.5 15.4 46.2

