

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011954.D
 Acq On : 16 Aug 2019 10:34
 Operator : SY/VA
 Sample : VW0817SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

Quant Time: Aug 17 04:57:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132844	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	7.88	113	107827	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.32	98	441367	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.62	95	155422	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31017	24.388	ug/l	94
3) Chloromethane	2.21	50	48333	21.916	ug/l	95
4) Vinyl Chloride	2.36	62	60881	22.930	ug/l	97
5) Bromomethane	2.76	94	30122	20.496	ug/l	94
6) Chloroethane	2.92	64	33040	21.785	ug/l	97
7) Trichlorofluoromethane	3.26	101	29131	24.550	ug/l	98
8) Diethyl Ether	3.68	74	27544	20.473	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	52156	23.171	ug/l	99
10) Methyl Iodide	4.27	142	68168	21.430	ug/l	99
11) Tert butyl alcohol	5.17	59	17326	77.272	ug/l	99
12) 1,1-Dichloroethene	4.04	96	51769	21.782	ug/l	97
13) Acrolein	3.90	56	12916	68.693	ug/l	92
14) Allyl chloride	4.66	41	108822	21.528	ug/l	99
15) Acrylonitrile	5.37	53	68352	101.774	ug/l	98
16) Acetone	4.12	43	71835	86.179	ug/l	98
17) Carbon Disulfide	4.38	76	154378	20.754	ug/l	98
18) Methyl Acetate	4.67	43	38514	20.567	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	81010	21.480	ug/l	97
20) Methylene Chloride	4.92	84	58099	20.210	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	55782	21.770	ug/l	98
22) Diisopropyl ether	6.31	45	205343	21.546	ug/l	99
23) Vinyl Acetate	6.26	43	623788	104.164	ug/l	100
24) 1,1-Dichloroethane	6.21	63	109771	21.506	ug/l	98
25) 2-Butanone	7.17	43	101879	93.404	ug/l	95
26) 2,2-Dichloropropane	7.17	77	63247	20.149	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59343	21.043	ug/l	99
28) Bromochloromethane	7.51	49	50108	22.117	ug/l	99
29) Tetrahydrofuran	7.53	42	63141	101.273	ug/l	99
30) Chloroform	7.68	83	101088	21.467	ug/l	98
31) Cyclohexane	7.96	56	106158	21.667	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	80439	22.430	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85973	22.699	ug/l	99
37) Ethyl Acetate	7.25	43	44384	20.368	ug/l	98
38) Carbon Tetrachloride	8.07	117	73185	22.571	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95234	22.835	ug/l	99
40) Benzene	8.32	78	233914	22.048	ug/l	99
41) Methacrylonitrile	7.48	41	26953	20.692	ug/l	97
42) 1,2-Dichloroethane	8.40	62	71533	21.536	ug/l	99
43) Isopropyl Acetate	8.42	43	82720	20.641	ug/l	100
44) Trichloroethene	9.09	130	56744	22.253	ug/l	100
45) 1,2-Dichloropropane	9.37	63	62178	21.904	ug/l	99
46) Dibromomethane	9.46	93	27909	21.541	ug/l	100
47) Bromodichloromethane	9.65	83	72203	21.245	ug/l	97
48) Methyl methacrylate	9.43	41	39536	20.538	ug/l	97
49) 1,4-Dioxane	9.45	88	7881	420.102	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	215424	103.346	ug/l	100
52) Toluene	10.39	92	142204	22.196	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	74154	20.887	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	90805	21.512	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	39617	21.551	ug/l	97
56) Ethyl methacrylate	10.65	69	57354	21.321	ug/l	100
57) 1,3-Dichloropropane	10.93	76	74138	21.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153487	125.668	ug/l	99
59) 2-Hexanone	10.97	43	148890	101.162	ug/l	99
60) Dibromochloromethane	11.13	129	42948	21.047	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36516	20.991	ug/l	100
64) Tetrachloroethene	10.87	164	47303	23.162	ug/l	93
65) Chlorobenzene	11.66	112	138978	22.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49307	22.447	ug/l	99
67) Ethyl Benzene	11.73	91	271749	22.626	ug/l	99
68) m/p-Xylenes	11.84	106	198384	45.420	ug/l	99
69) o-Xylene	12.16	106	91706	22.594	ug/l	99
70) Styrene	12.18	104	155316	22.132	ug/l	99
71) Bromoform	12.35	173	23567	21.043	ug/l #	98
73) Isopropylbenzene	12.46	105	257446	22.932	ug/l	99
74) N-amyl acetate	12.27	43	75368	21.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46560	22.048	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	61246	38.463	ug/l #	100
77) Bromobenzene	12.75	156	54921	22.133	ug/l	99
78) n-propylbenzene	12.80	91	318824	23.335	ug/l	99
79) 2-Chlorotoluene	12.89	91	177635	22.568	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	216692	23.026	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15035	21.761	ug/l	99
82) 4-Chlorotoluene	12.99	91	182778	22.132	ug/l	99
83) tert-Butylbenzene	13.21	119	179930	22.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	216154	22.801	ug/l	100
85) sec-Butylbenzene	13.38	105	260358	23.186	ug/l	100
86) p-Isopropyltoluene	13.50	119	232702	22.840	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106680	21.926	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107126	22.133	ug/l	99
89) n-Butylbenzene	13.82	91	231247	22.744	ug/l	99
90) Hexachloroethane	14.10	117	40105	22.261	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	95073	22.093	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7415	20.591	ug/l	97

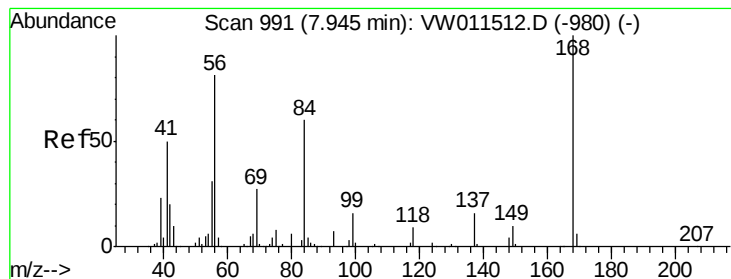
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63956	21.088	ug/l	99
94) Hexachlorobutadiene	15.24	225	43423	22.959	ug/l	98
95) Naphthalene	15.37	128	111885	20.121	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56271	21.167	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: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

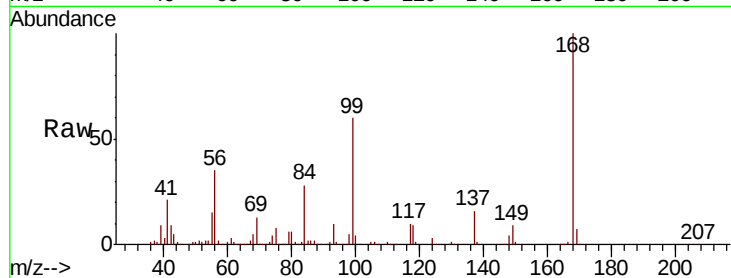
VW0817SBS01

Tgt Ion:168 Resp: 228206

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

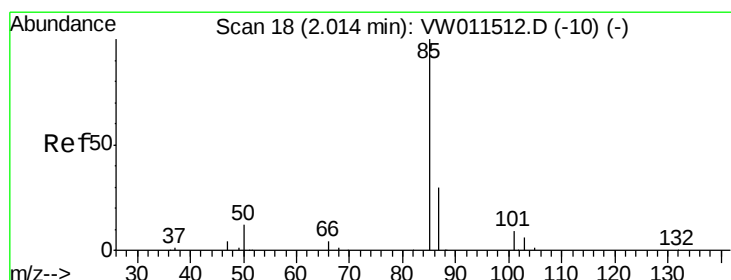
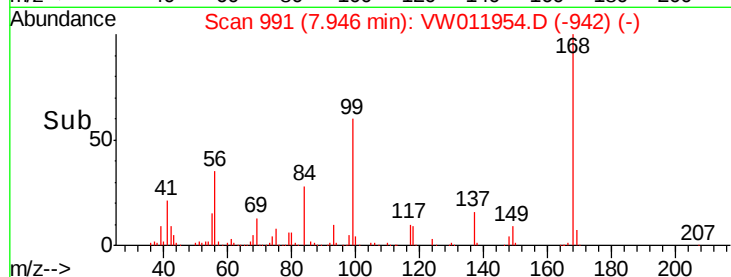
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 24.388 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011954.D

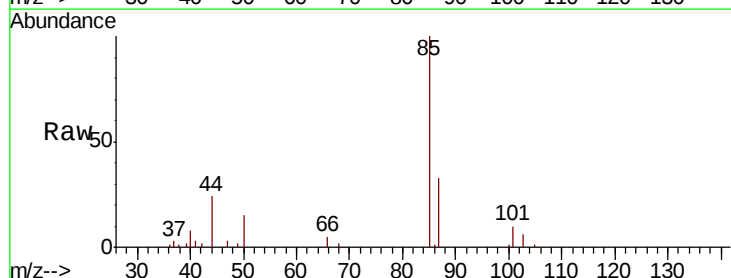
Acq: 16 Aug 2019 10:34

Tgt Ion: 85 Resp: 31017

Ion Ratio Lower Upper

85 100

87 33.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

4000

2000

0

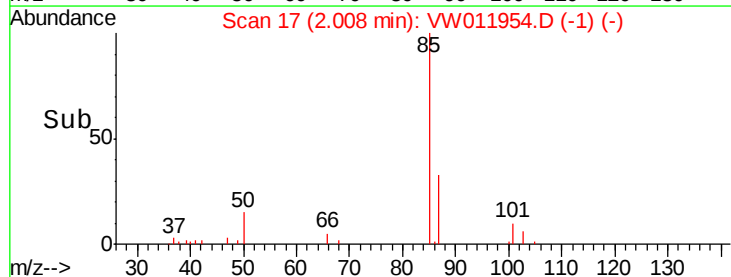
1.90

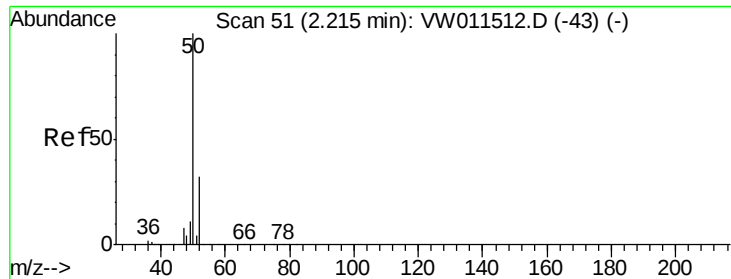
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 21.916 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

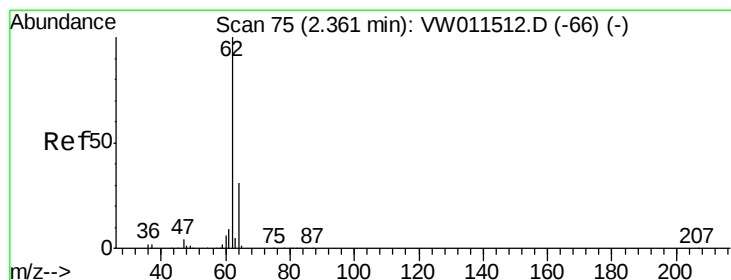
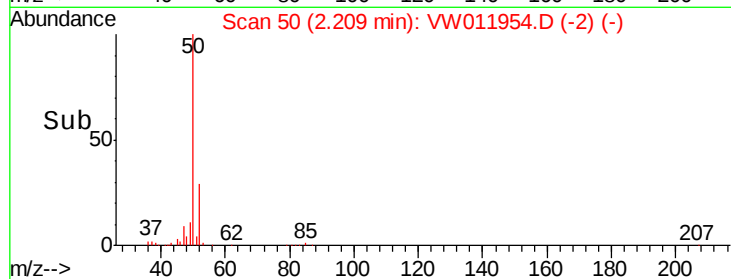
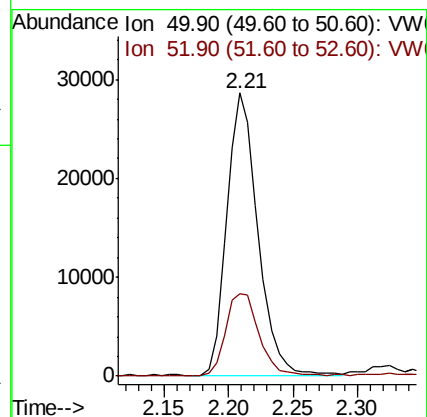
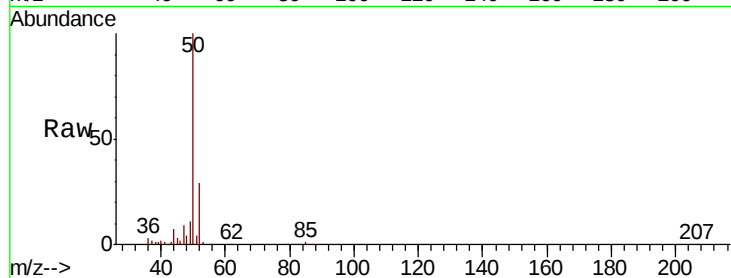
VW0817SBSD01

Tgt Ion: 50 Resp: 48333

Ion Ratio Lower Upper

50 100

52 29.1 25.4 38.2



#4

Vinyl Chloride

Concen: 22.930 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011954.D

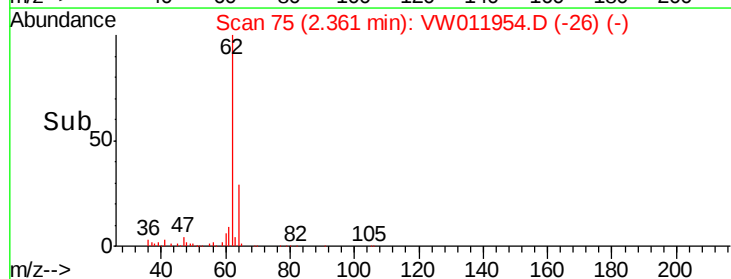
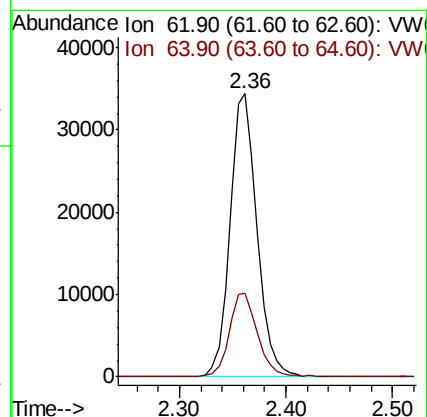
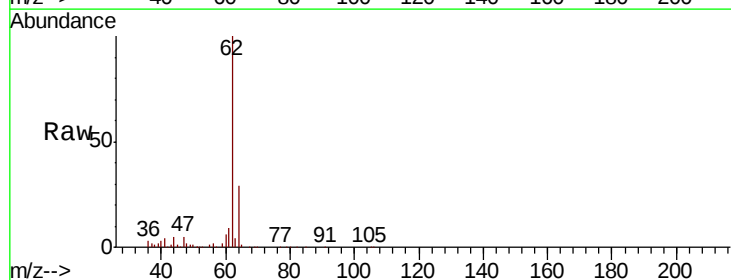
Acq: 16 Aug 2019 10:34

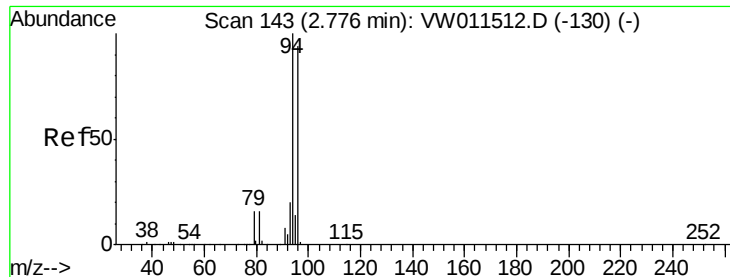
Tgt Ion: 62 Resp: 60881

Ion Ratio Lower Upper

62 100

64 29.3 25.0 37.4





#5

Bromomethane

Concen: 20.496 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

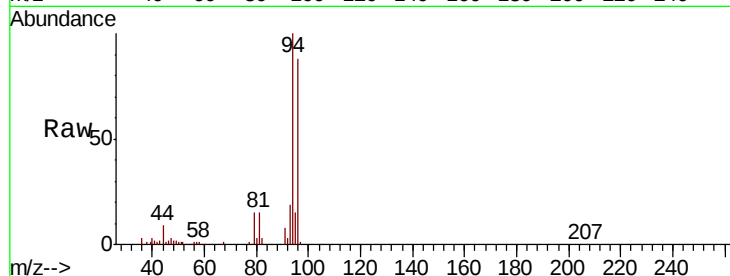
VW0817SBSD01

Tgt Ion: 94 Resp: 30122

Ion Ratio Lower Upper

94 100

96 88.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

15000

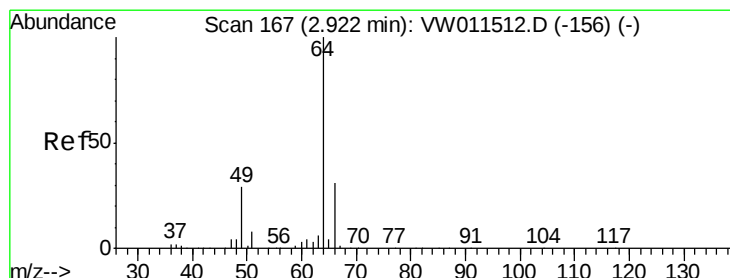
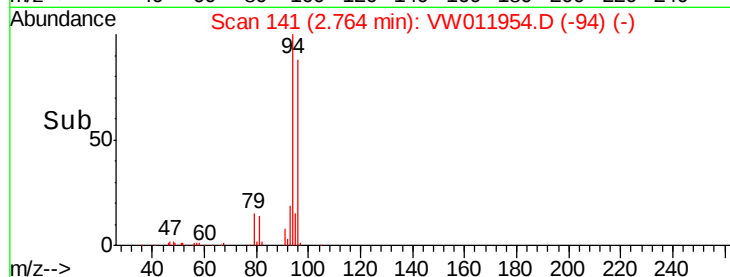
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.785 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011954.D

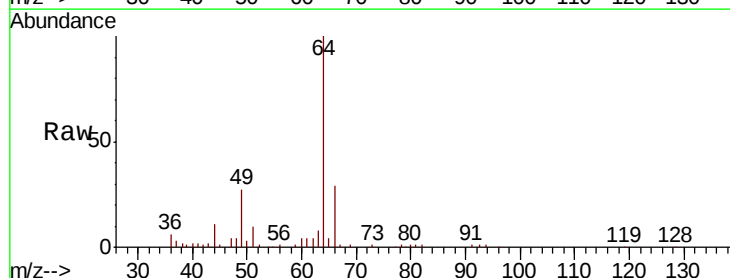
Acq: 16 Aug 2019 10:34

Tgt Ion: 64 Resp: 33040

Ion Ratio Lower Upper

64 100

66 29.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

15000

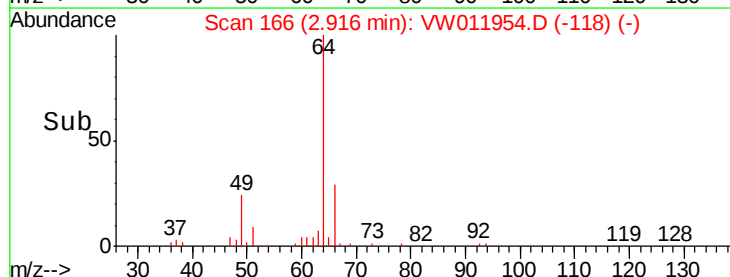
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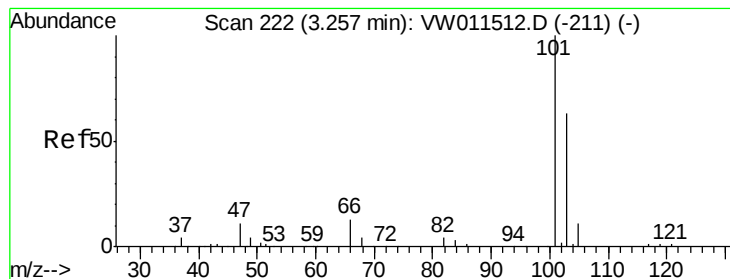
5000

0

Time-->

2.80 2.90 3.00



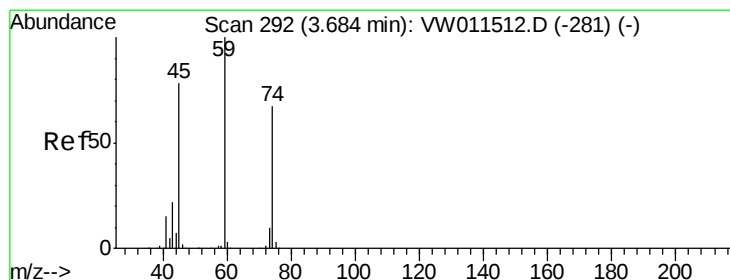
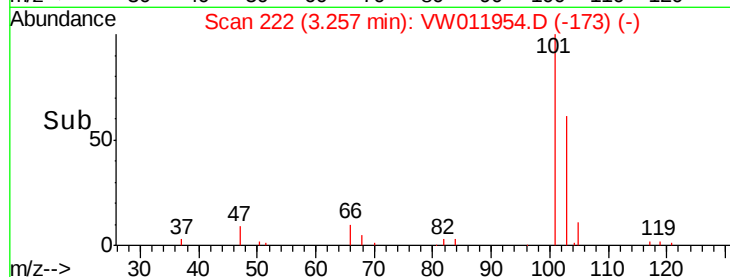
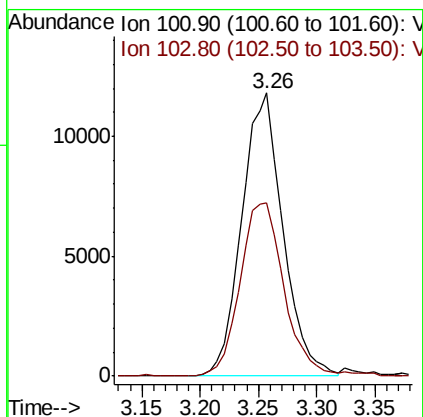
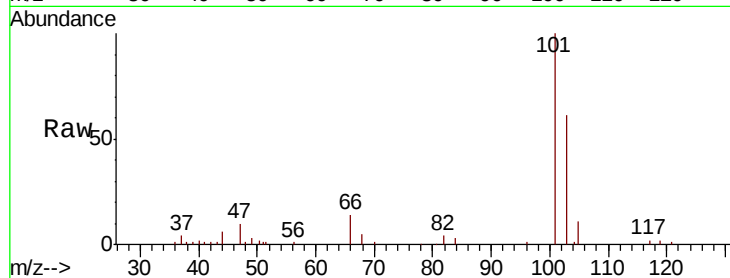


#7

Trichlorofluoromethane
 Concen: 24.550 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

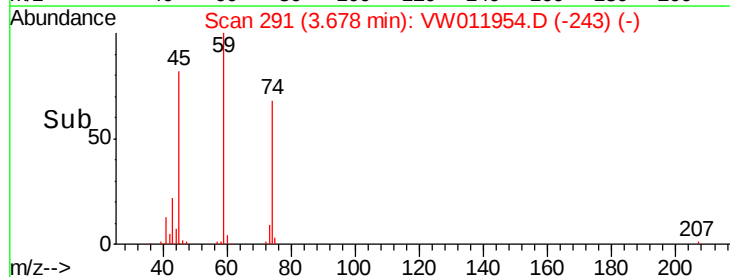
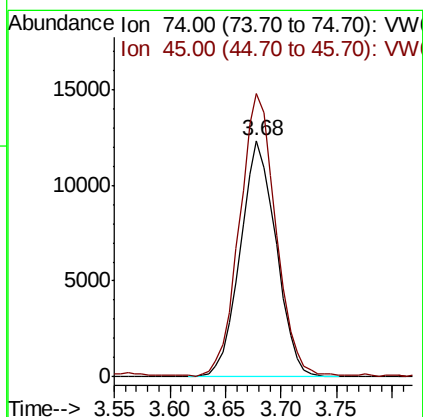
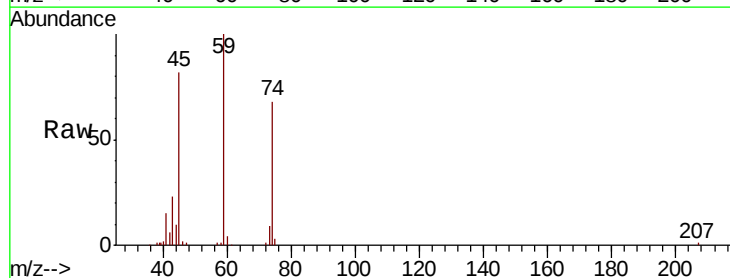
Tgt Ion: 101 Resp: 29131
 Ion Ratio Lower Upper
 101 100
 103 61.3 50.2 75.4

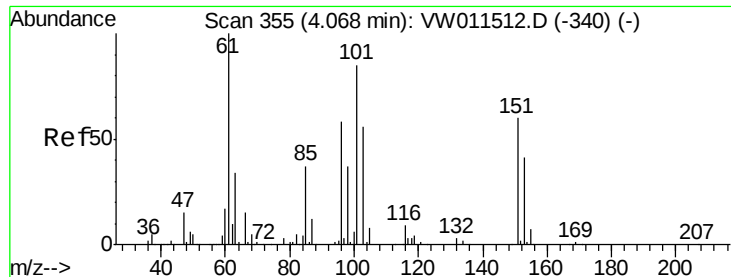


#8

Diethyl Ether
 Concen: 20.473 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 74 Resp: 27544
 Ion Ratio Lower Upper
 74 100
 45 121.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.171 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

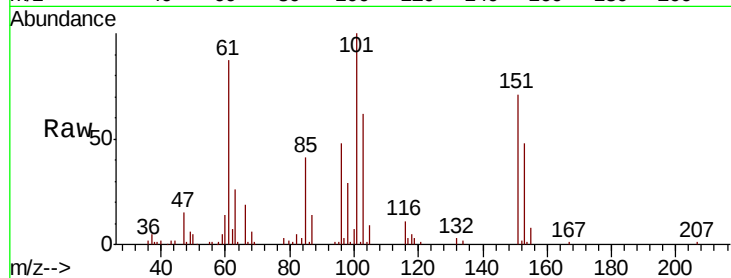
Tgt Ion:101 Resp: 52156

Ion Ratio Lower Upper

101 100

85 44.8 36.6 54.8

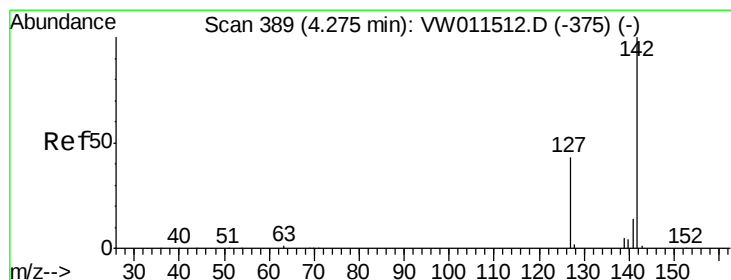
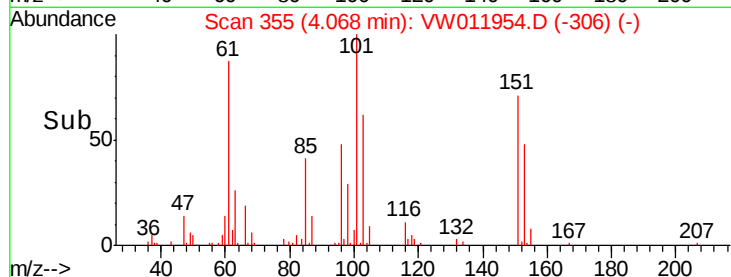
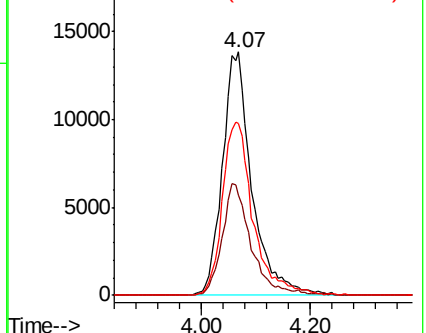
151 74.1 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.430 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

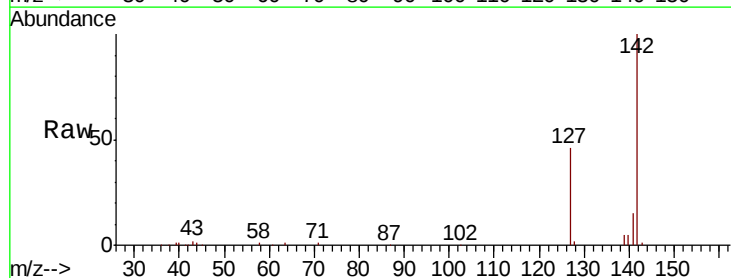
Tgt Ion:142 Resp: 68168

Ion Ratio Lower Upper

142 100

127 44.3 35.0 52.6

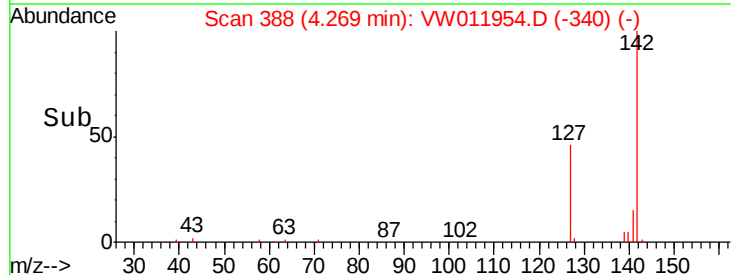
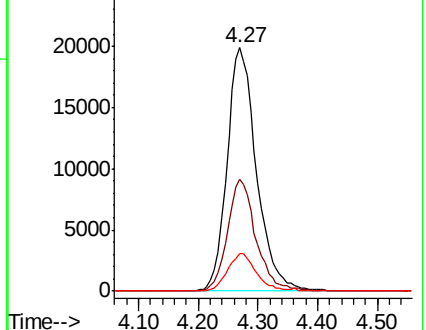
141 14.9 11.9 17.9

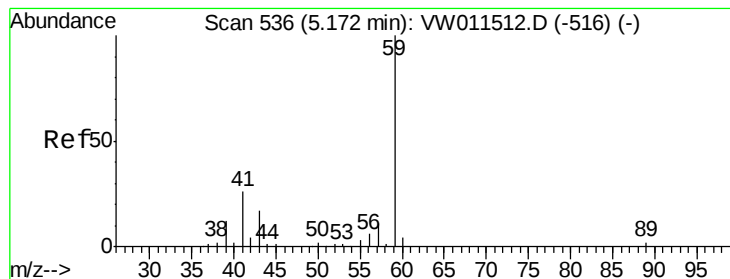


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



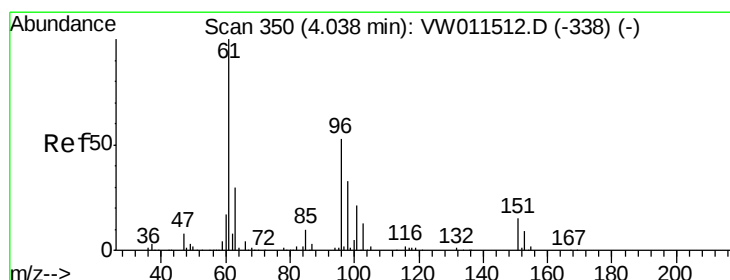
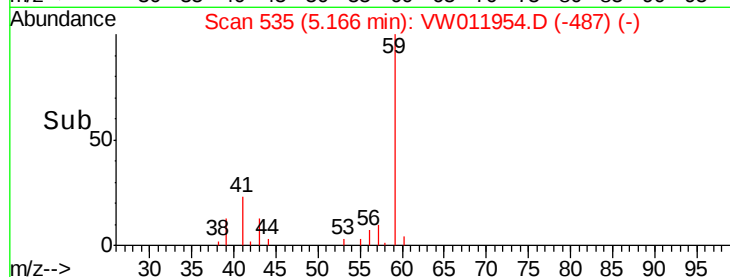
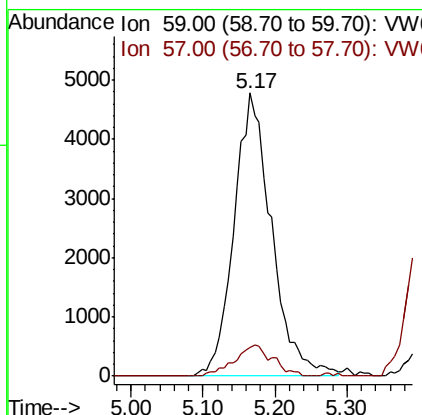
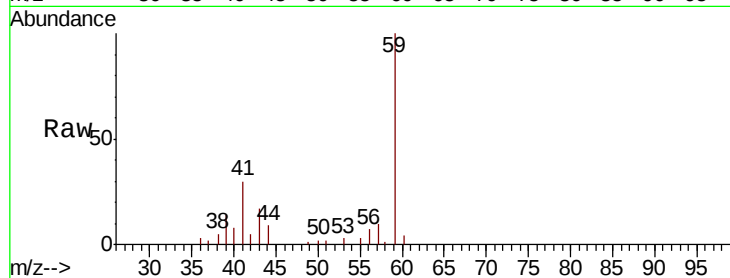


#11

Tert butyl alcohol
 Concen: 77.272 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

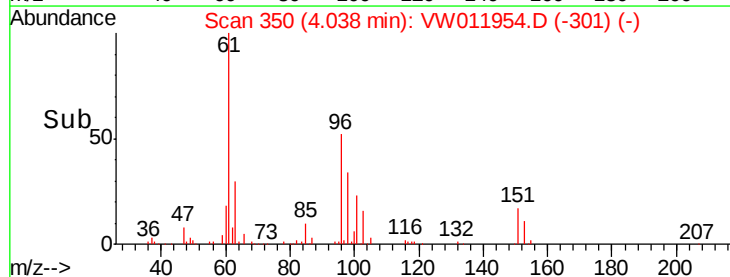
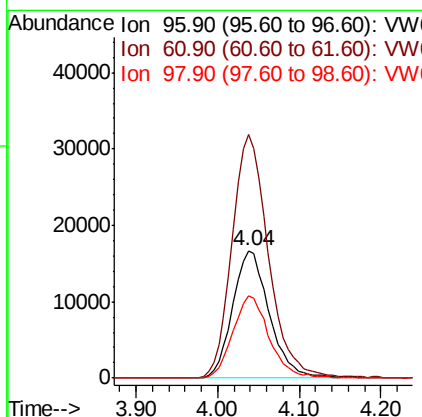
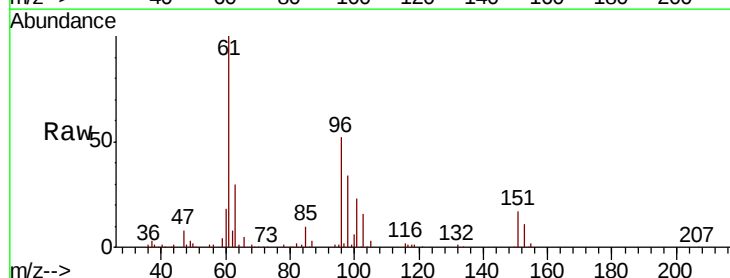
Tgt Ion: 59 Resp: 17326
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.5 12.7

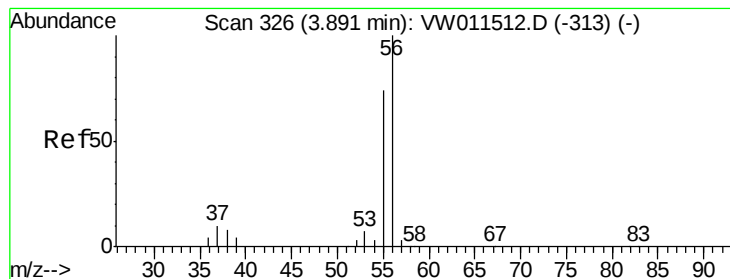


#12

1,1-Dichloroethene
 Concen: 21.782 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 96 Resp: 51769
 Ion Ratio Lower Upper
 96 100
 61 191.1 149.9 224.9
 98 64.5 49.1 73.7





#13

Acrolein

Concen: 68.693 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

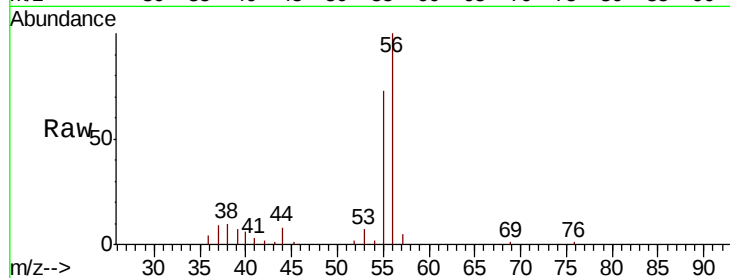
VW0817SBSD01

Tgt Ion: 56 Resp: 12916

Ion Ratio Lower Upper

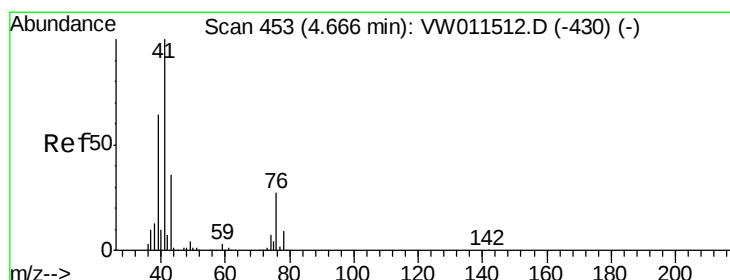
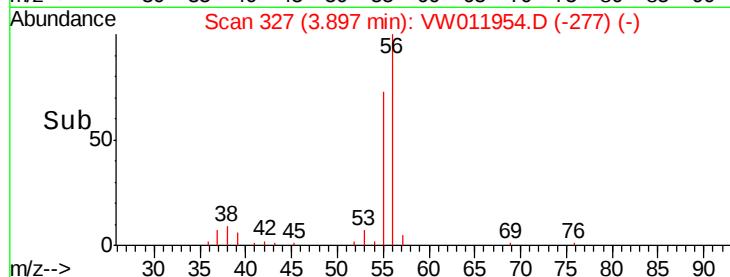
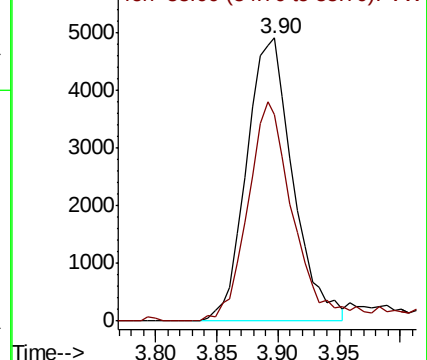
56 100

55 76.2 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.528 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

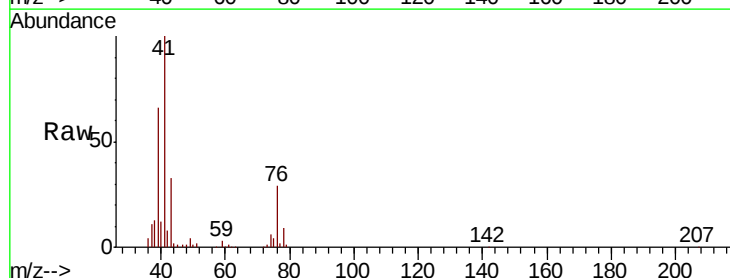
Tgt Ion: 41 Resp: 108822

Ion Ratio Lower Upper

41 100

39 65.8 52.6 78.8

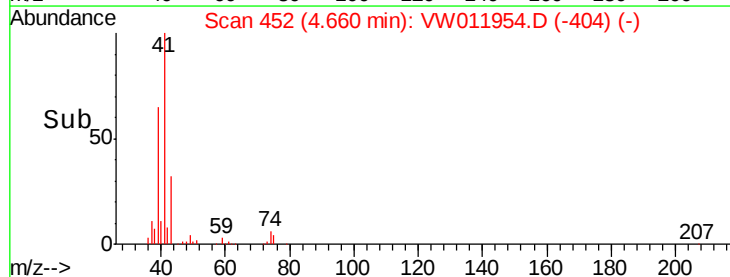
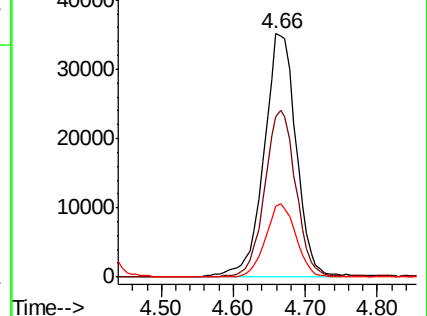
76 28.5 22.0 33.0

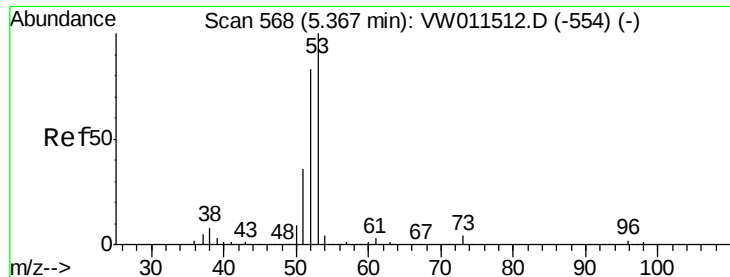


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 101.774 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

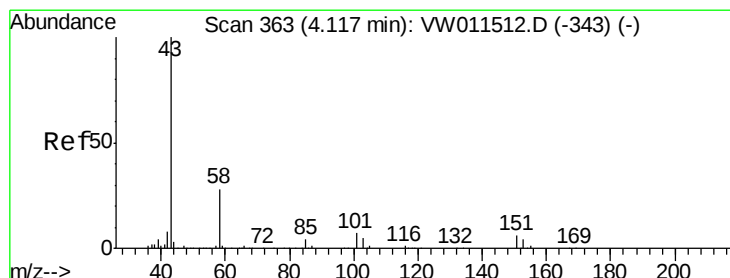
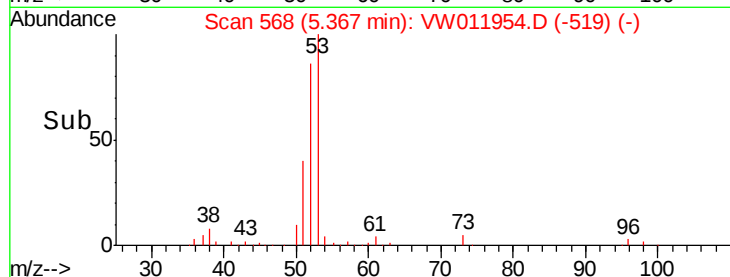
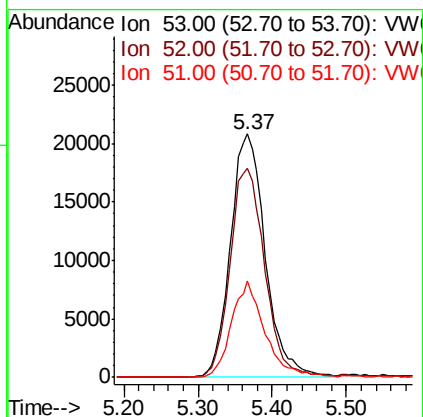
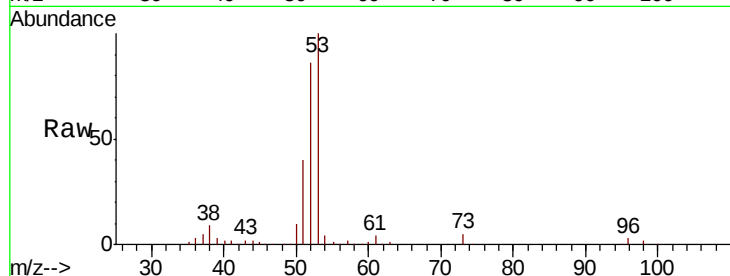
Tgt Ion: 53 Resp: 68352

Ion Ratio Lower Upper

53 100

52 85.7 67.2 100.8

51 37.9 30.0 45.0



#16

Acetone

Concen: 86.179 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011954.D

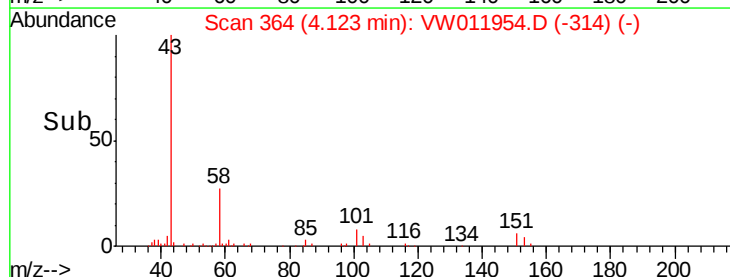
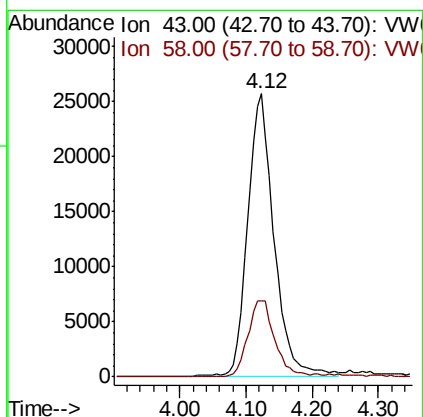
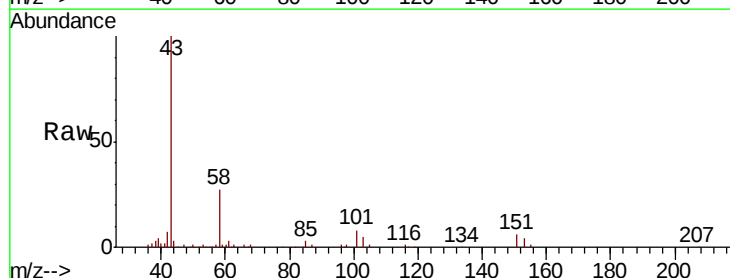
Acq: 16 Aug 2019 10:34

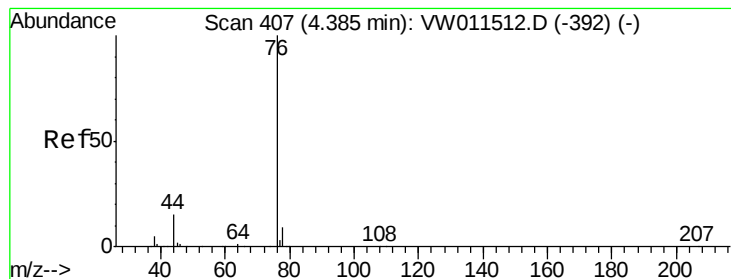
Tgt Ion: 43 Resp: 71835

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5





#17

Carbon Disulfide

Concen: 20.754 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

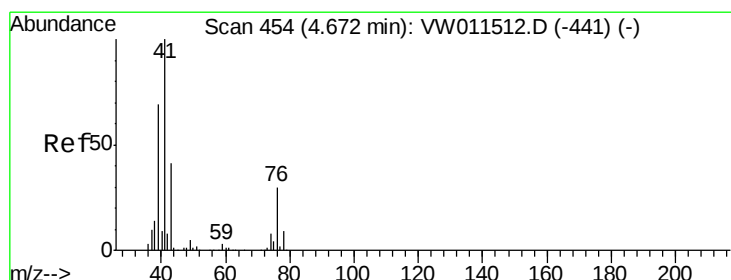
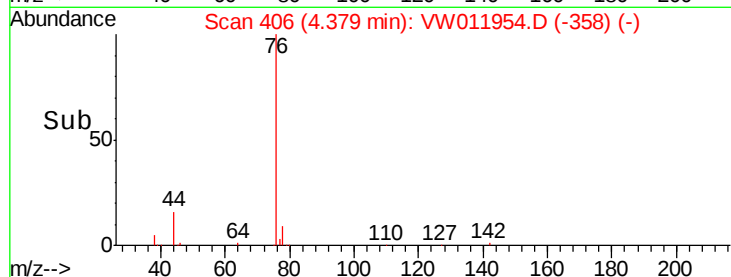
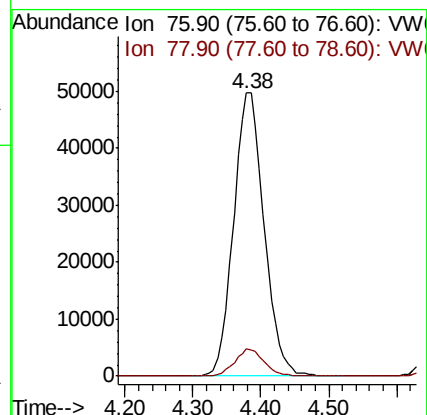
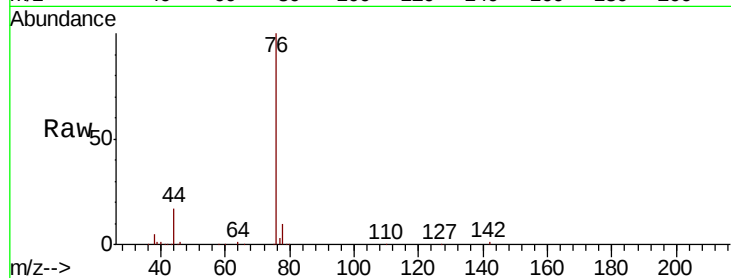
VW0817SBSD01

Tgt Ion: 76 Resp: 154378

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 20.567 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011954.D

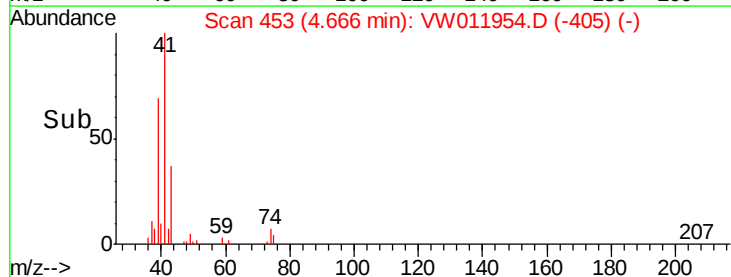
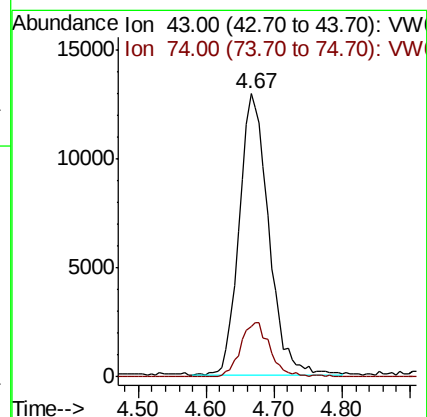
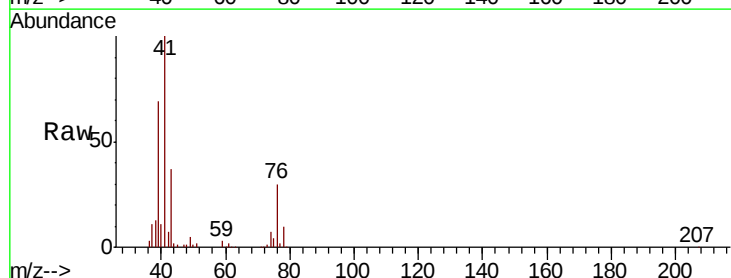
Acq: 16 Aug 2019 10:34

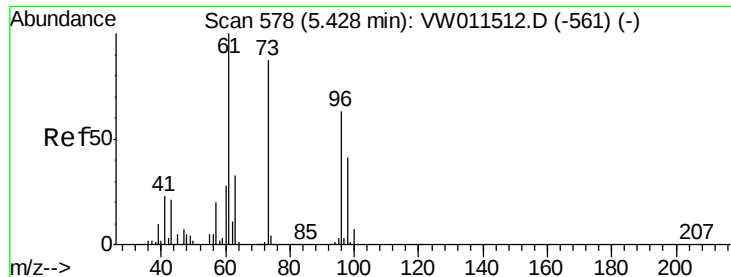
Tgt Ion: 43 Resp: 38514

Ion Ratio Lower Upper

43 100

74 19.3 15.9 23.9

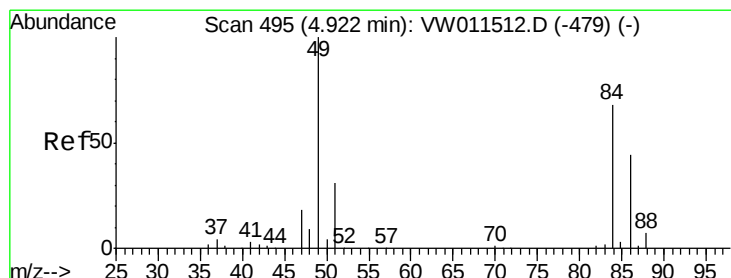
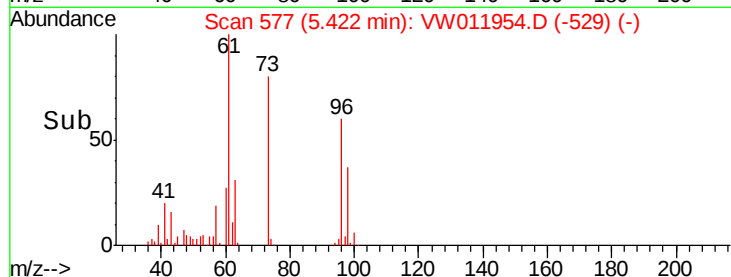
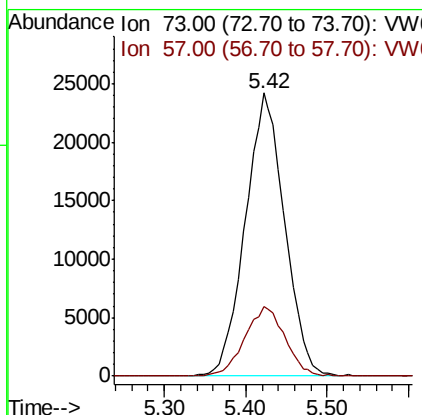
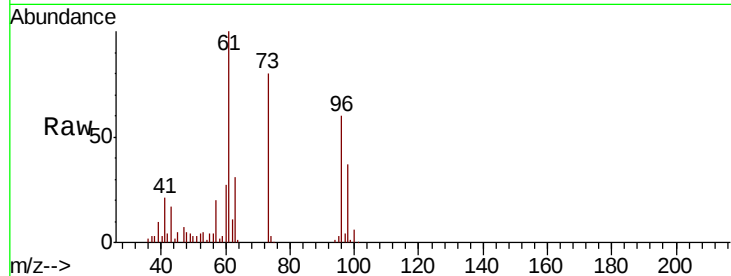




#19
Methyl tert-butyl Ether
Concen: 21.480 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

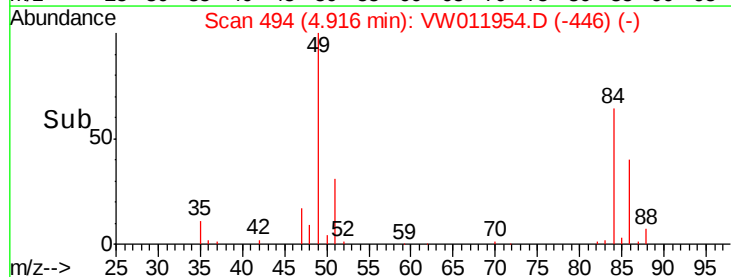
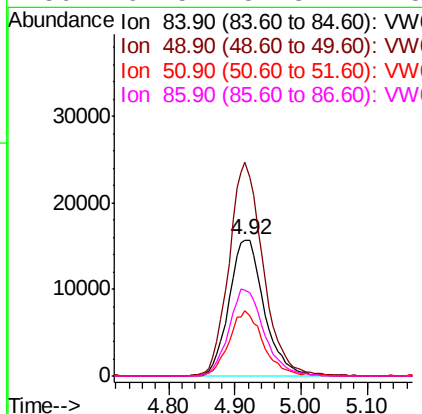
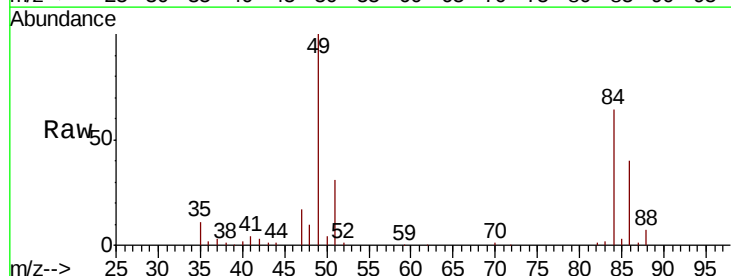
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

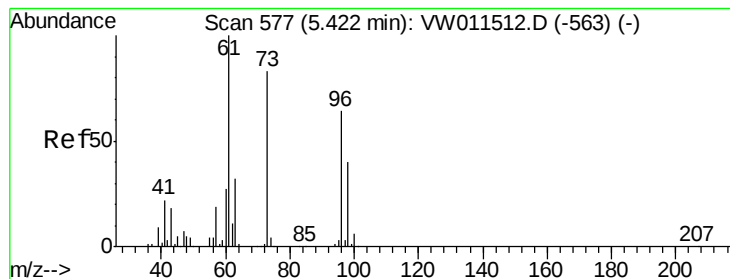
Tgt Ion: 73 Resp: 81010
Ion Ratio Lower Upper
73 100
57 24.7 18.4 27.6



#20
Methylene Chloride
Concen: 20.210 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion: 84 Resp: 58099
Ion Ratio Lower Upper
84 100
49 156.6 117.8 176.6
51 48.0 37.0 55.4
86 62.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.770 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

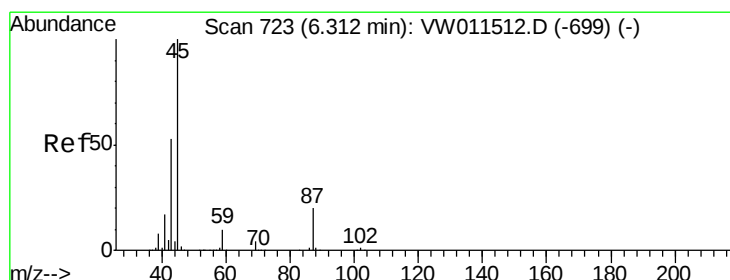
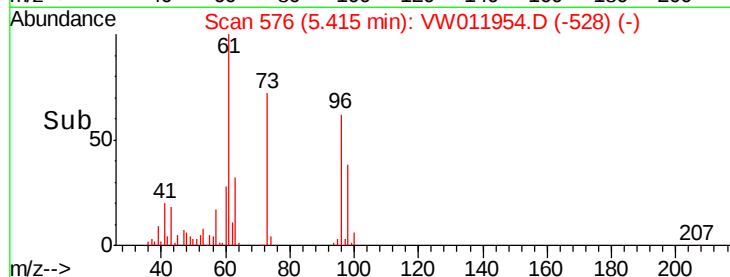
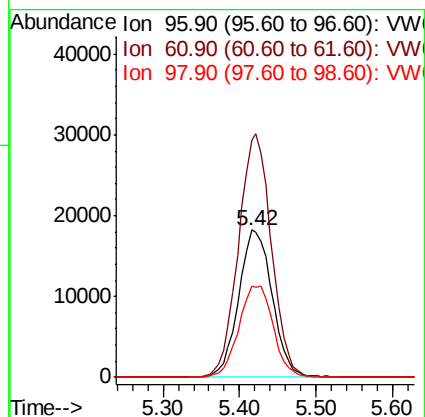
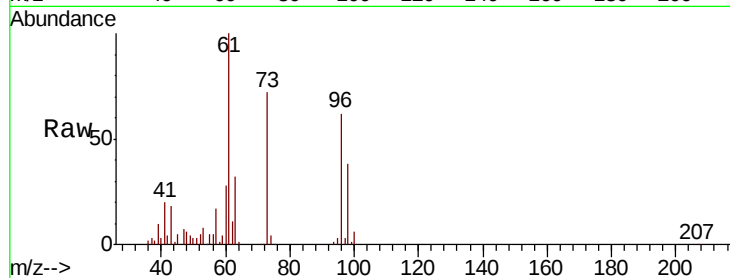
Tgt Ion: 96 Resp: 55782

Ion Ratio Lower Upper

96 100

61 160.9 125.7 188.5

98 61.8 50.3 75.5



#22

Diisopropyl ether

Concen: 21.546 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Tgt Ion: 45 Resp: 205343

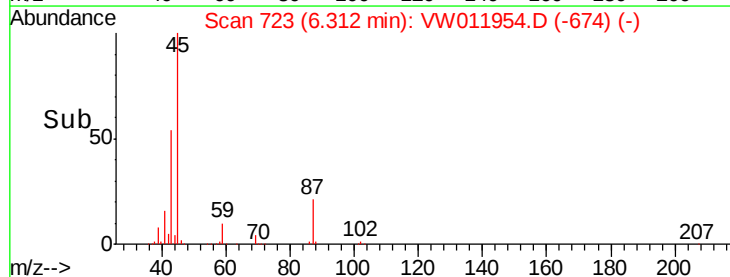
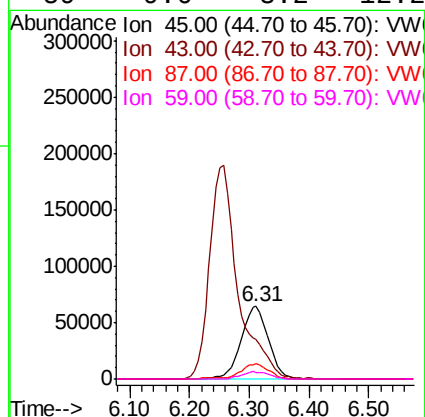
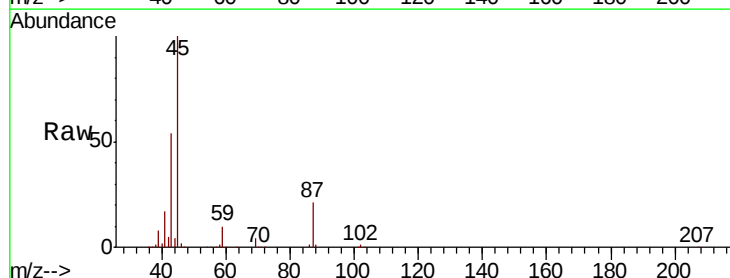
Ion Ratio Lower Upper

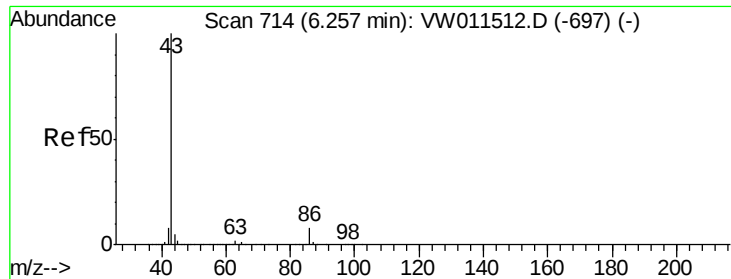
45 100

43 53.8 42.6 63.8

87 20.7 16.4 24.6

59 9.6 8.2 12.2

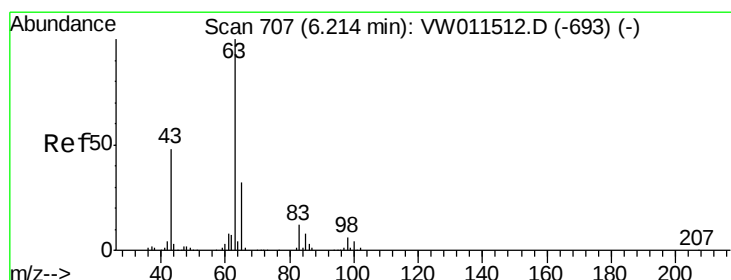
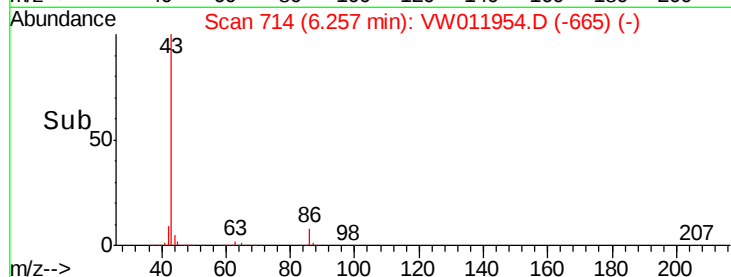
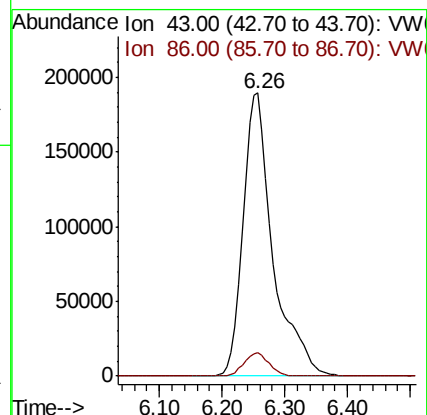
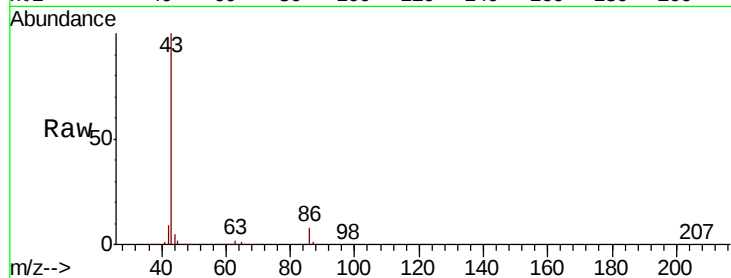




#23
 Vinyl Acetate
 Concen: 104.164 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

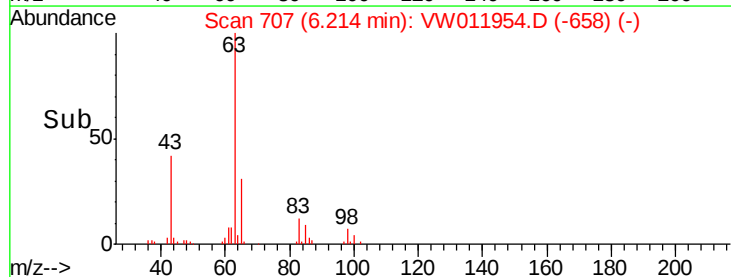
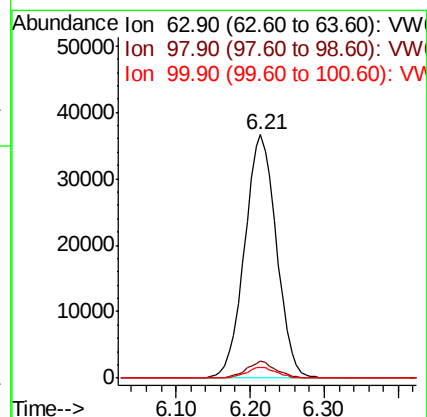
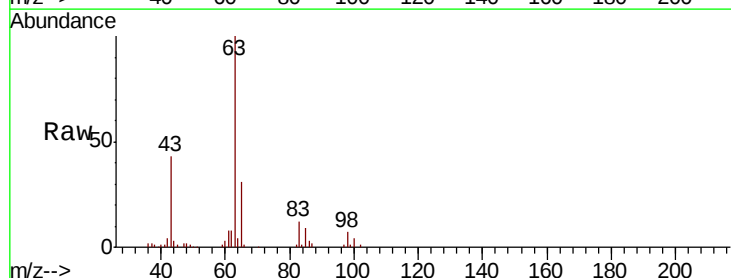
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

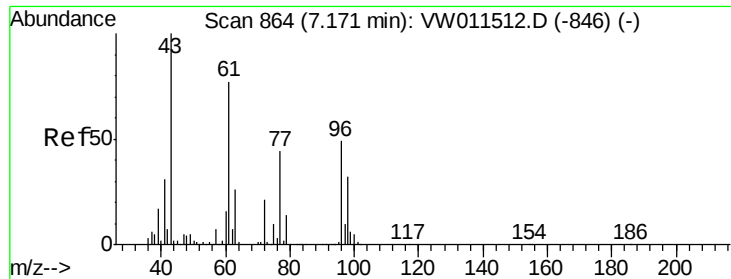
Tgt Ion: 43 Resp: 623788
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 21.506 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 63 Resp: 109771
 Ion Ratio Lower Upper
 63 100
 98 7.1 2.9 8.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 93.404 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampled :

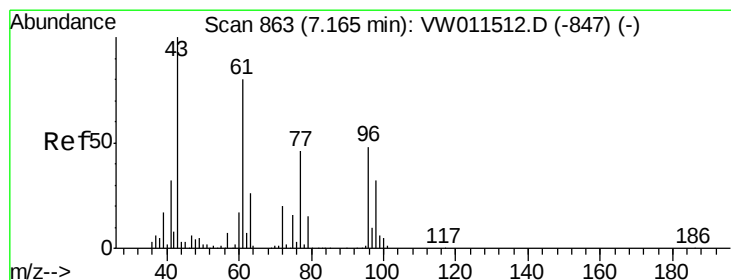
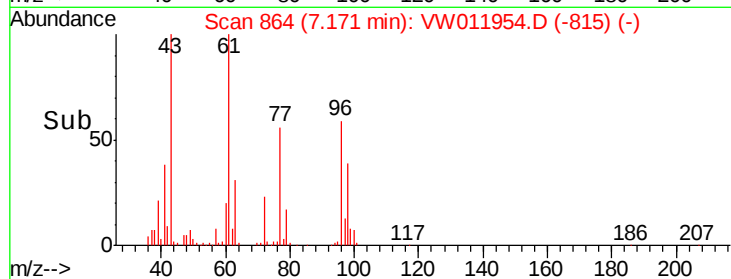
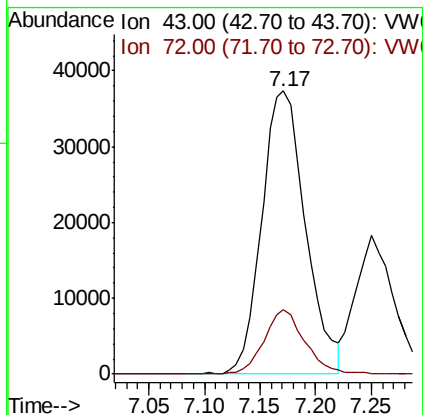
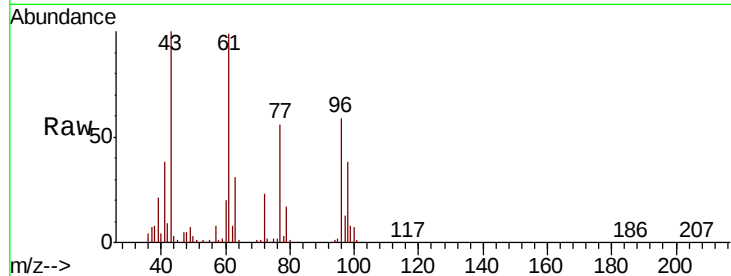
VW0817SBSD01

Tgt Ion: 43 Resp: 101879

Ion Ratio Lower Upper

43 100

72 22.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.149 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011954.D

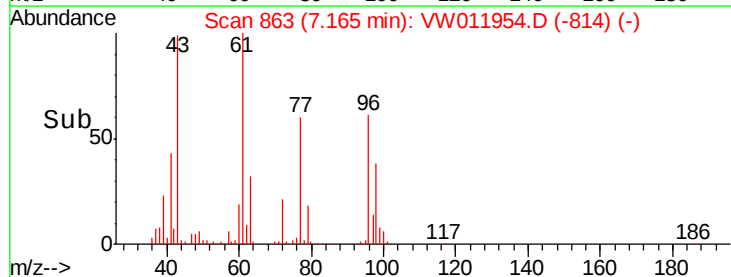
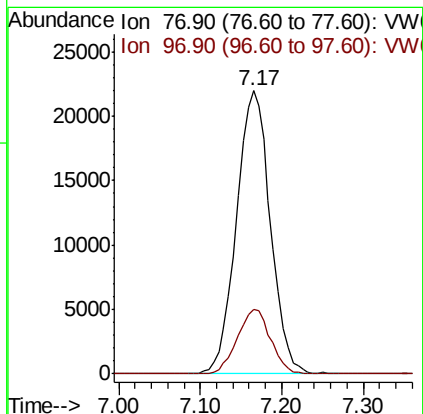
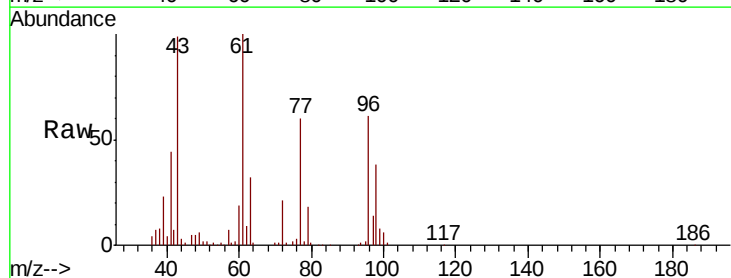
Acq: 16 Aug 2019 10:34

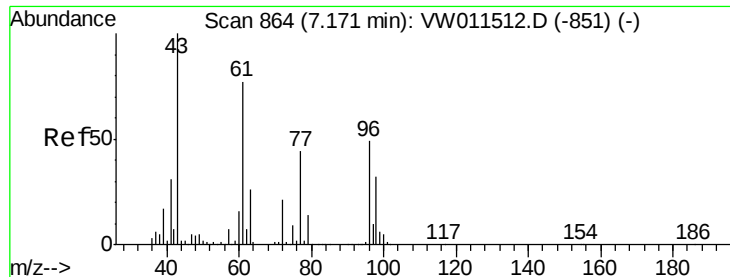
Tgt Ion: 77 Resp: 63247

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4



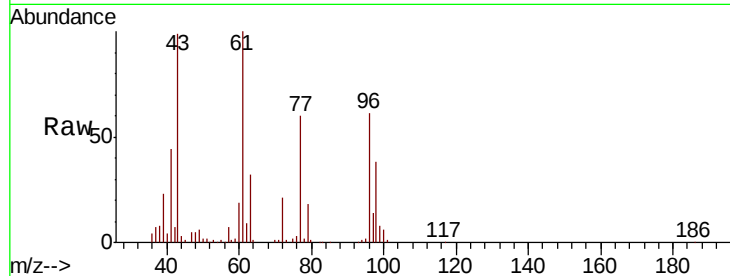


#27

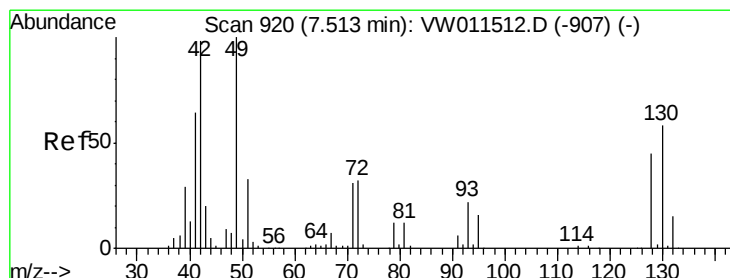
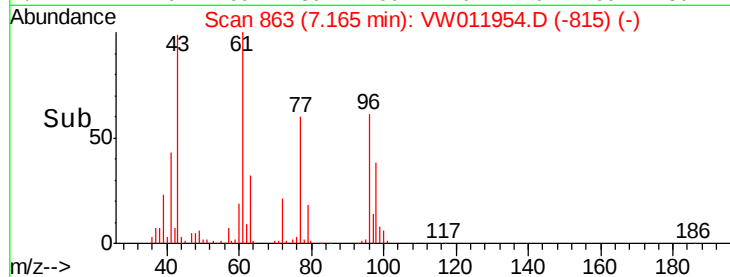
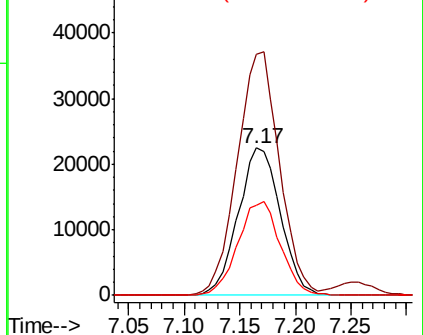
cis-1,2-Dichloroethene
 Concen: 21.043 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tgt Ion: 96 Resp: 59343
 Ion Ratio Lower Upper
 96 100
 61 164.8 0.0 328.4
 98 63.9 0.0 128.8



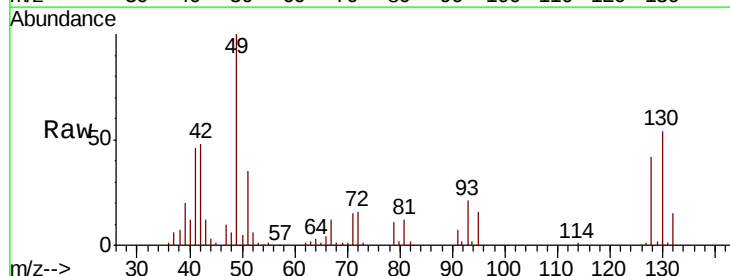
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



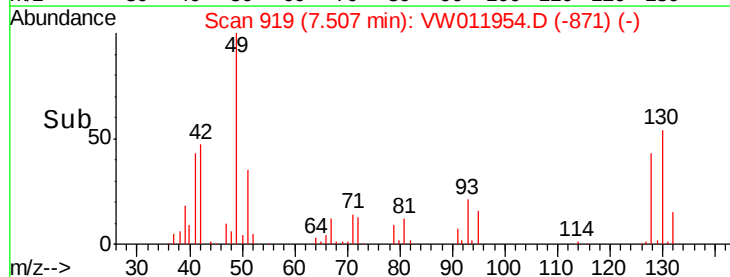
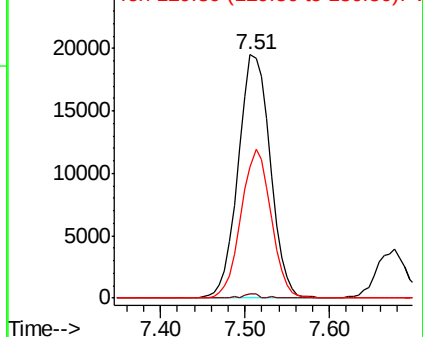
#28

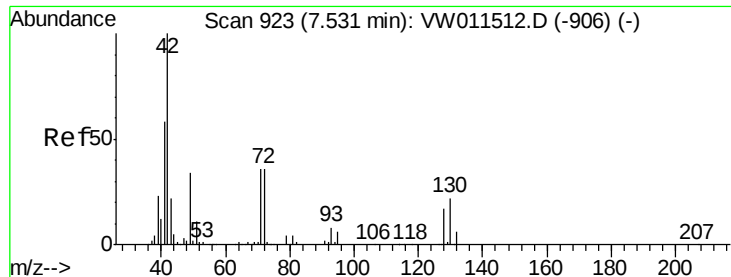
Bromochloromethane
 Concen: 22.117 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 49 Resp: 50108
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.0
 130 57.5 46.3 69.5



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

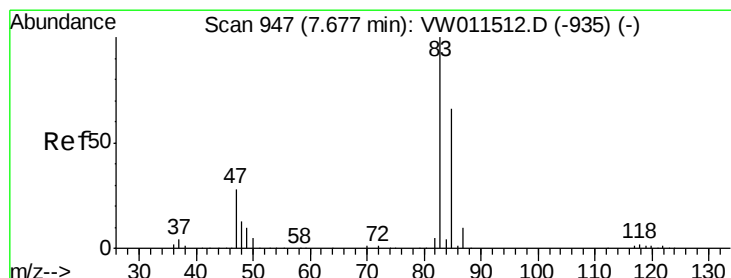
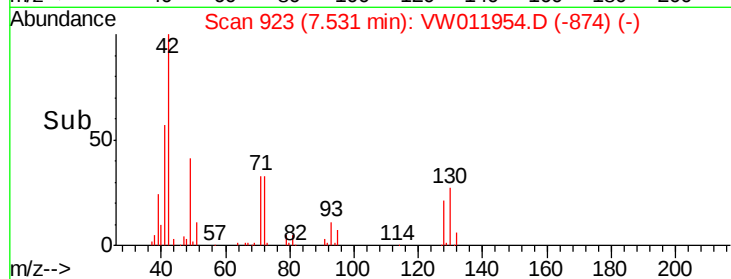
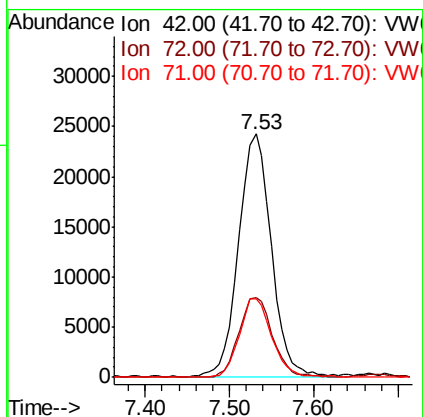
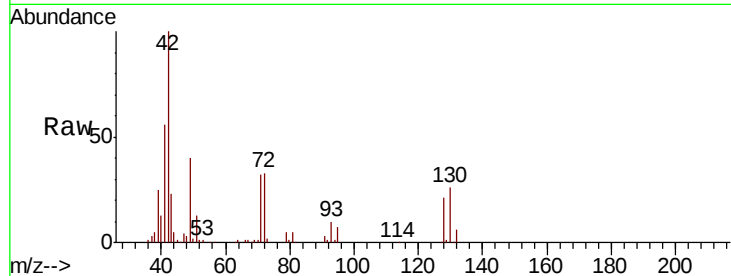




#29
Tetrahydrofuran
Concen: 101.273 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

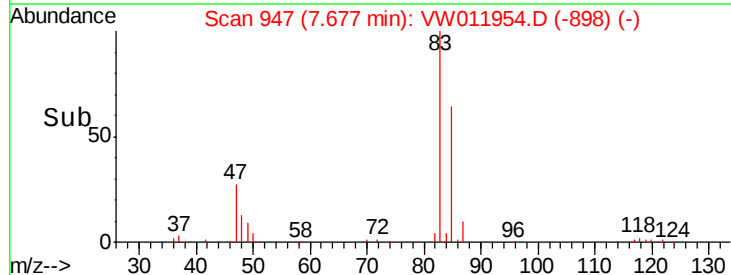
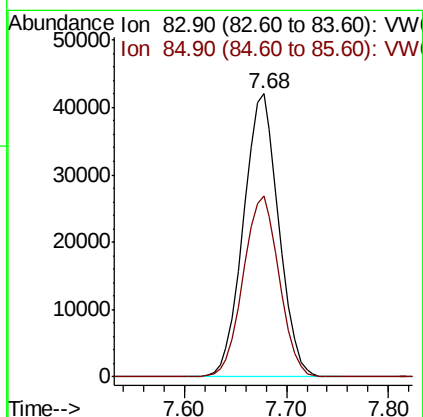
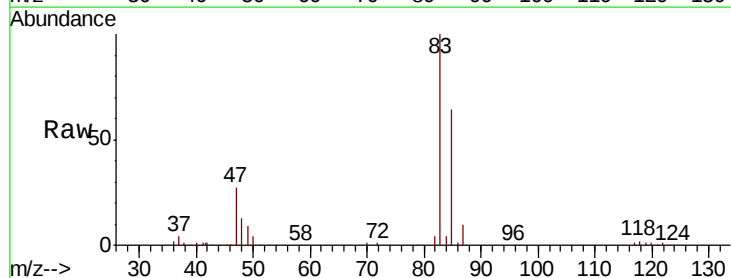
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

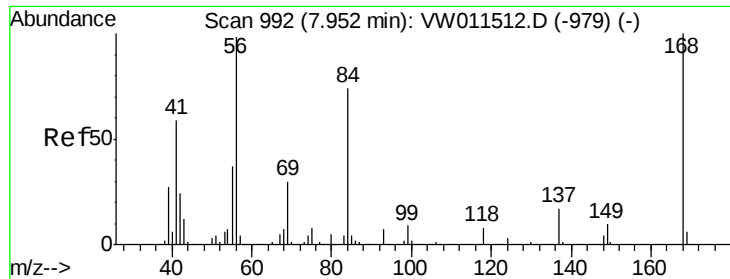
Tgt Ion: 42 Resp: 63141
Ion Ratio Lower Upper
42 100
72 34.3 27.1 40.7
71 31.8 26.2 39.4



#30
Chloroform
Concen: 21.467 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion: 83 Resp: 101088
Ion Ratio Lower Upper
83 100
85 63.8 52.5 78.7

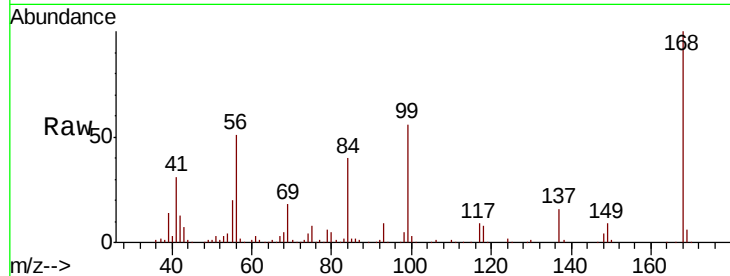




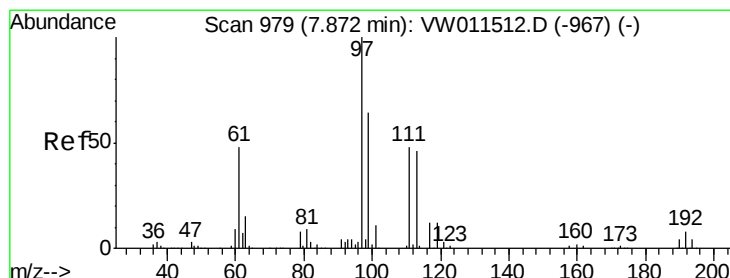
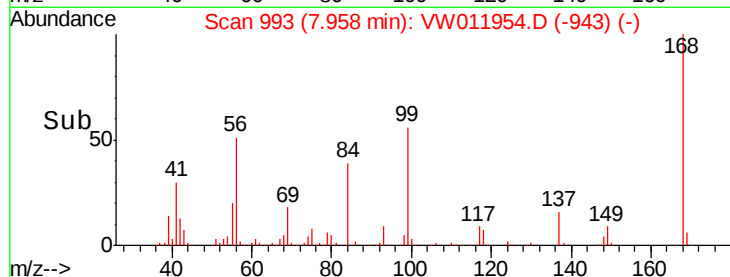
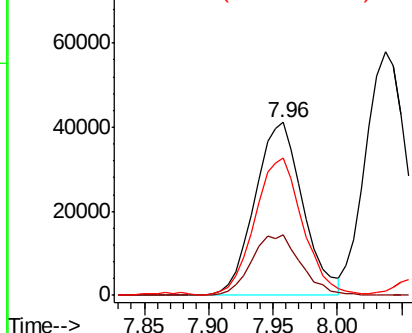
#31
Cyclohexane
Concen: 21.667 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.3	36.5
84	78.5	60.4	90.6

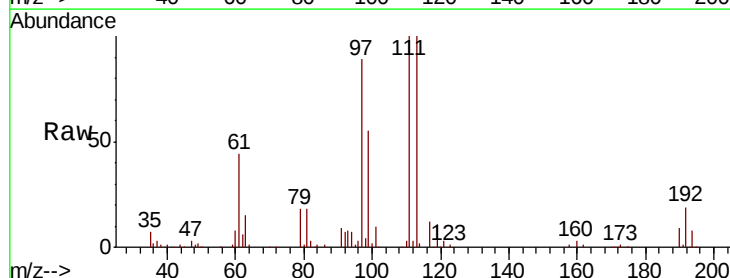


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

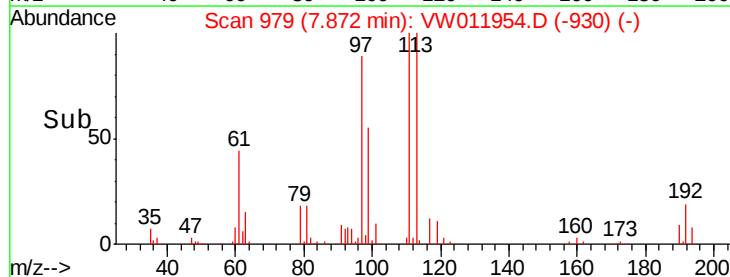
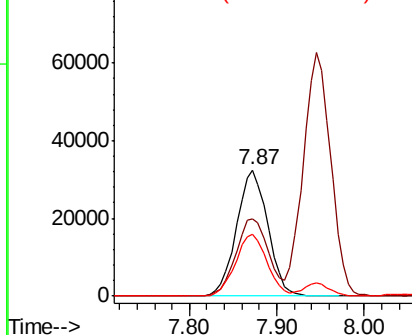


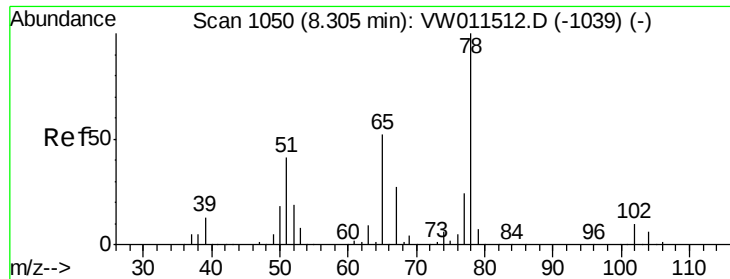
#32
1,1,1-Trichloroethane
Concen: 22.430 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	49.5	39.8	59.6



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

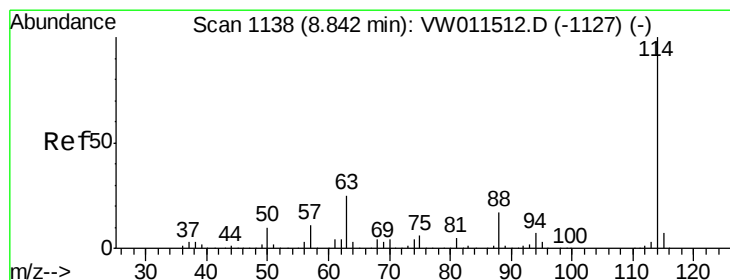
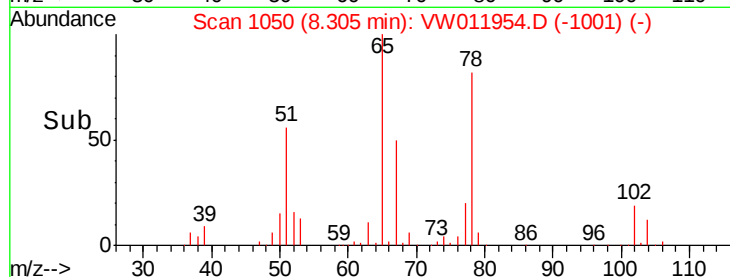
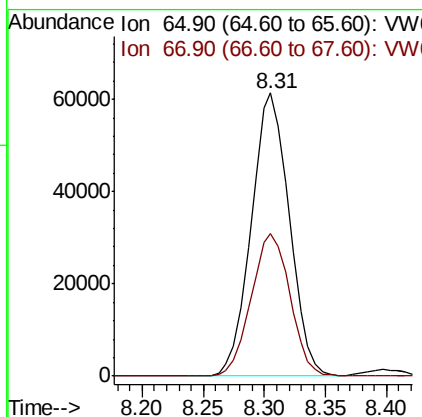
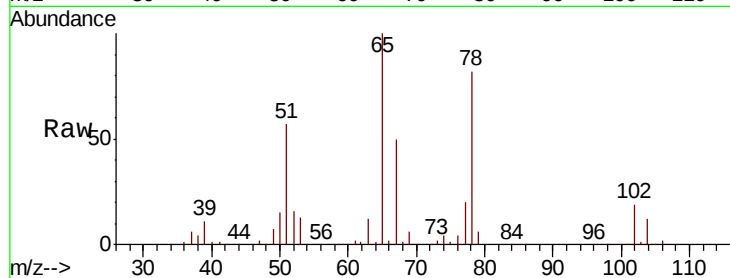




#33
 1,2-Dichloroethane-d4
 Concen: 50.695 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

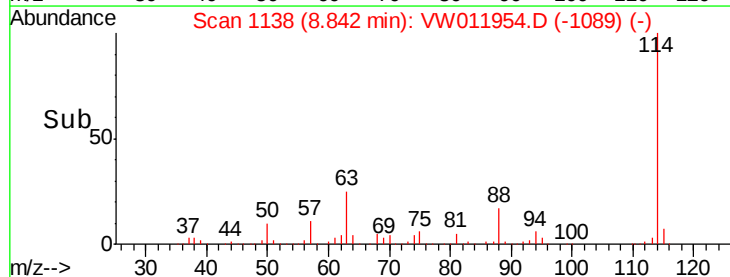
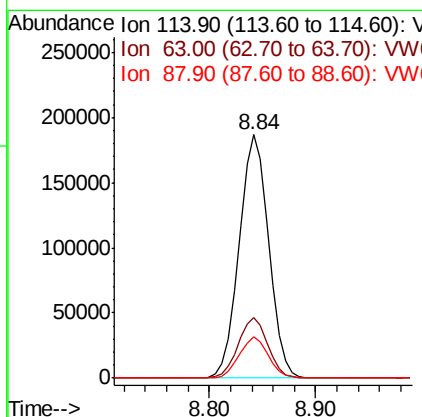
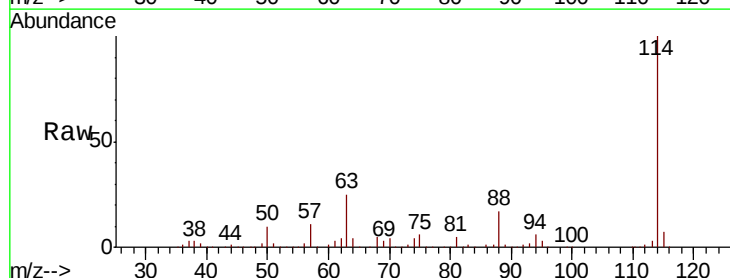
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

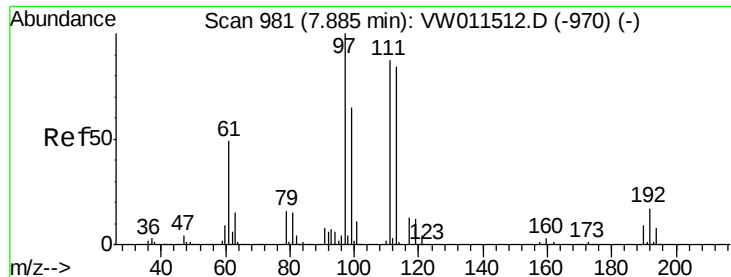
Tgt Ion: 65 Resp: 132844
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 114 Resp: 364253
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.9 0.0 33.8

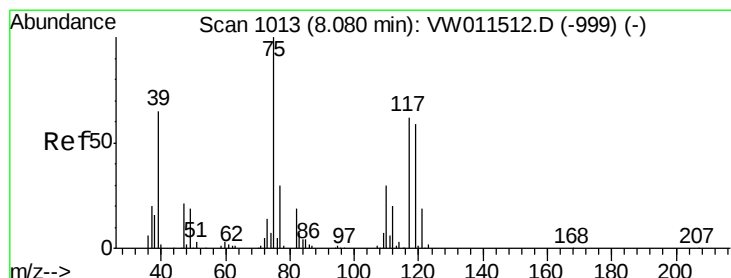
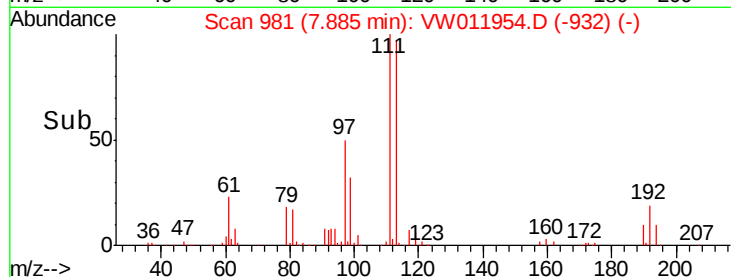
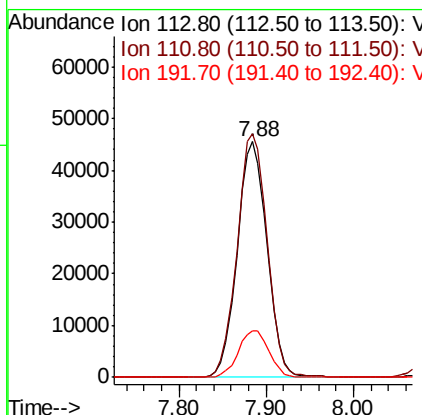
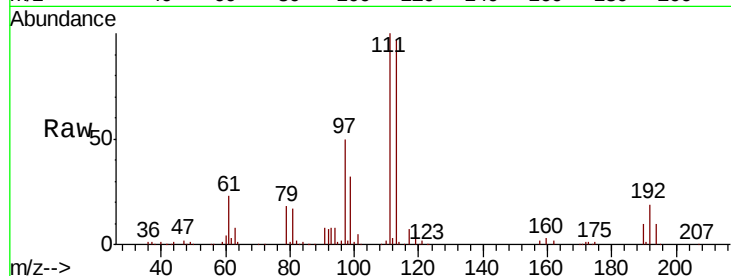




#35
 Dibromofluoromethane
 Concen: 52.765 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

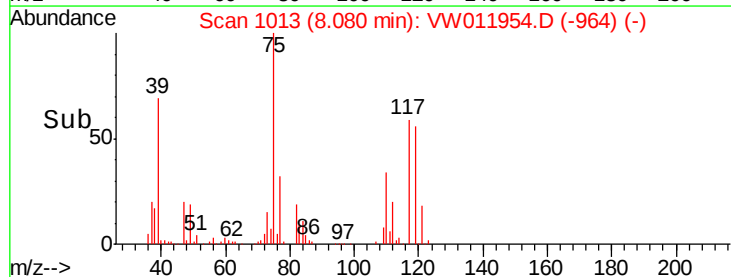
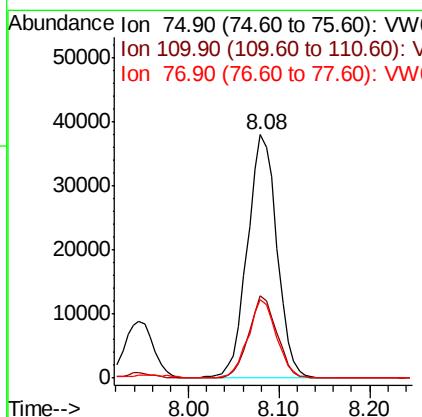
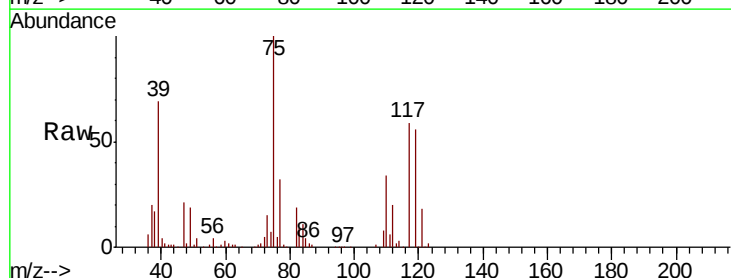
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

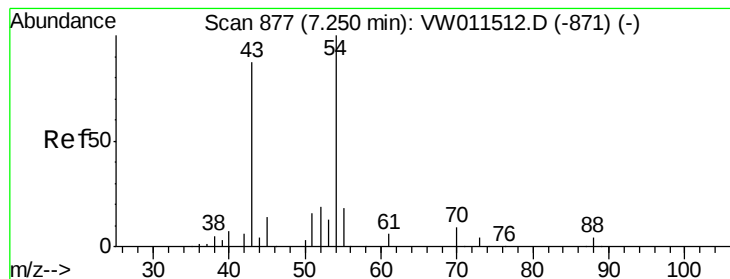
Tgt Ion:113 Resp: 107827
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 22.699 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 75 Resp: 85973
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.6 46.8
 77 31.1 24.3 36.5





#37

Ethyl Acetate

Concen: 20.368 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

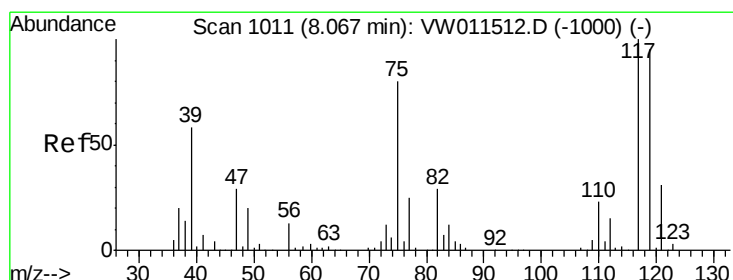
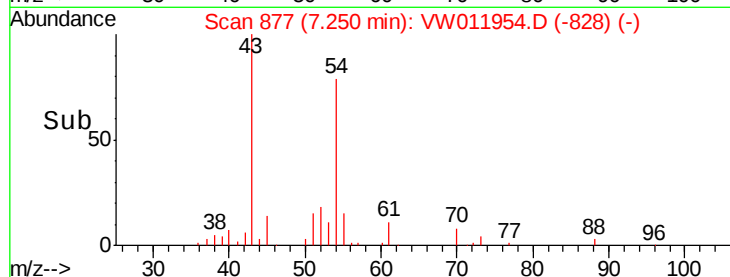
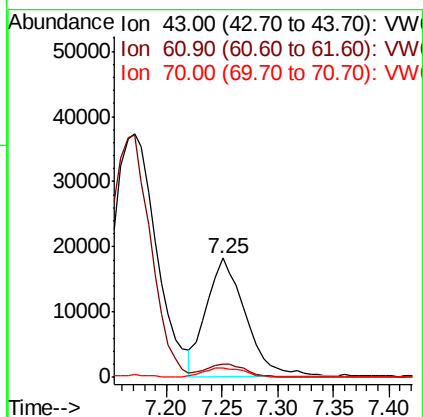
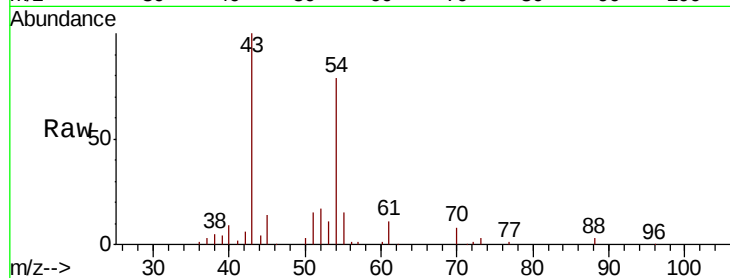
Tgt Ion: 43 Resp: 44384

Ion Ratio Lower Upper

43 100

61 12.1 8.8 13.2

70 8.5 7.1 10.7



#38

Carbon Tetrachloride

Concen: 22.571 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

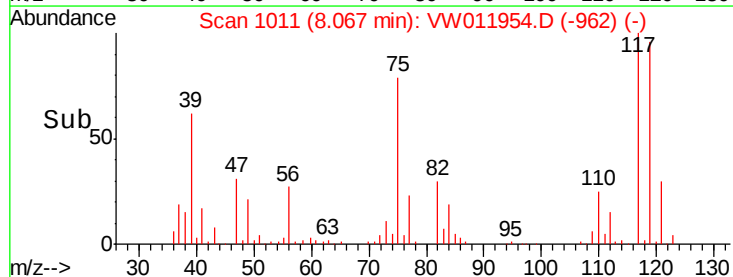
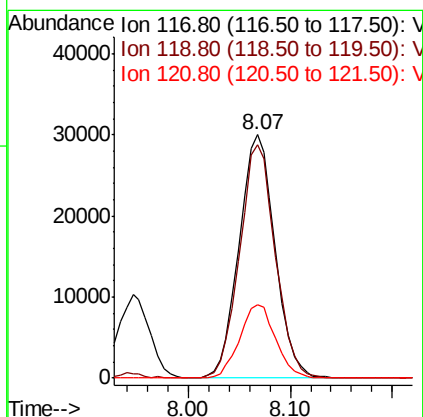
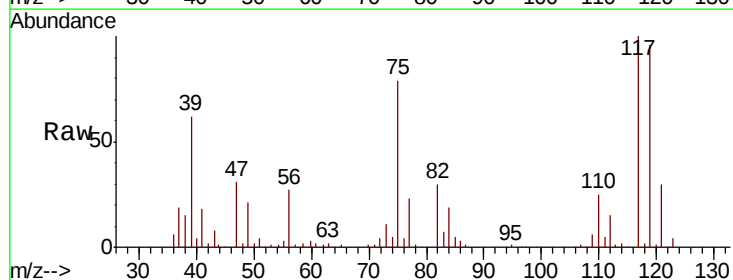
Tgt Ion: 117 Resp: 73185

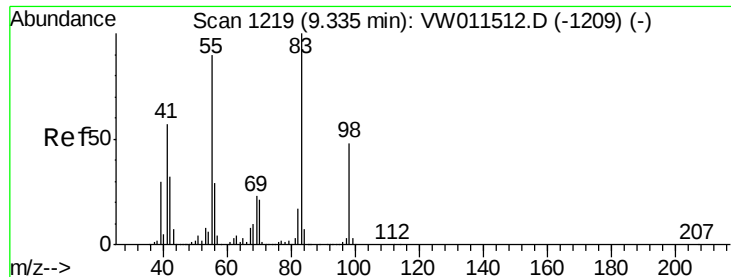
Ion Ratio Lower Upper

117 100

119 96.0 75.8 113.6

121 30.2 24.7 37.1

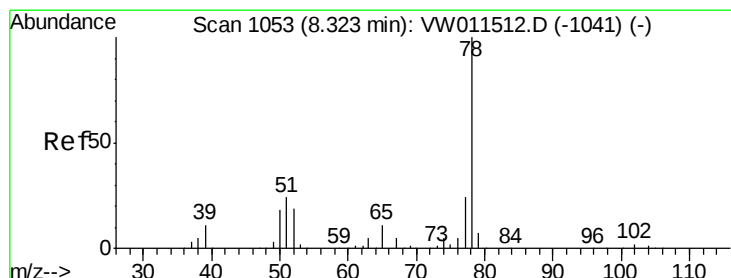
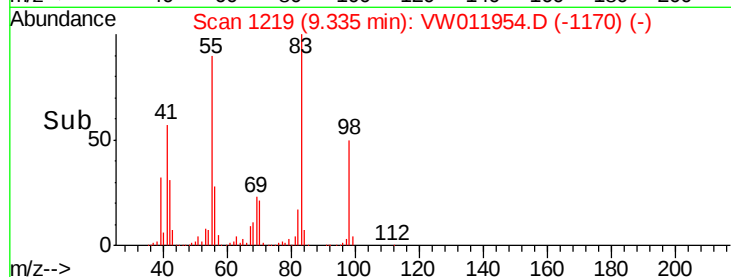
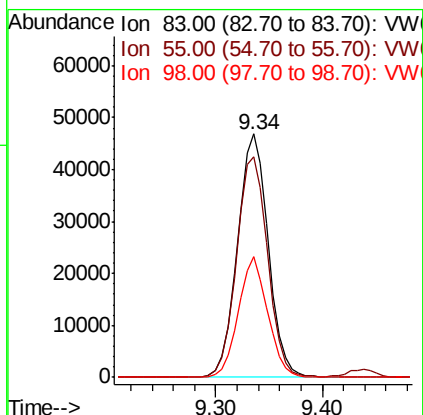
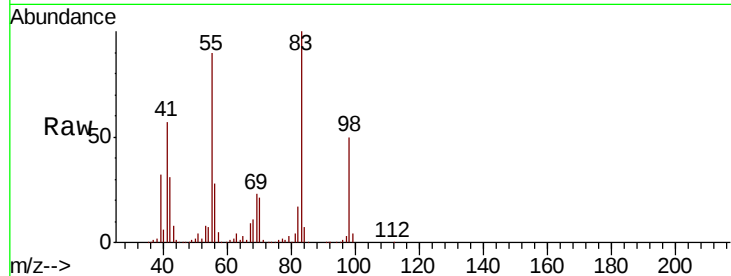




#39
Methylcyclohexane
Concen: 22.835 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

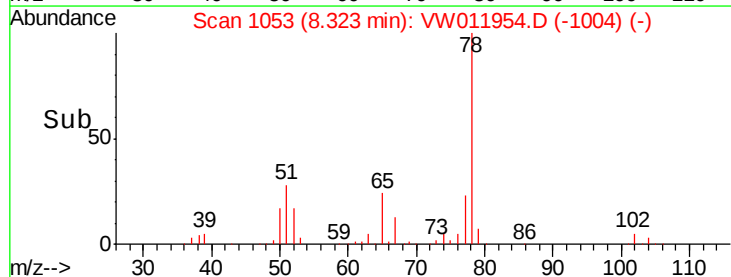
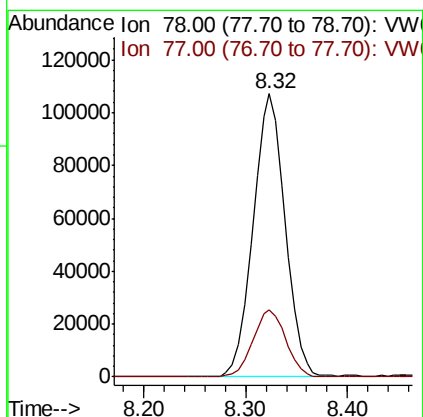
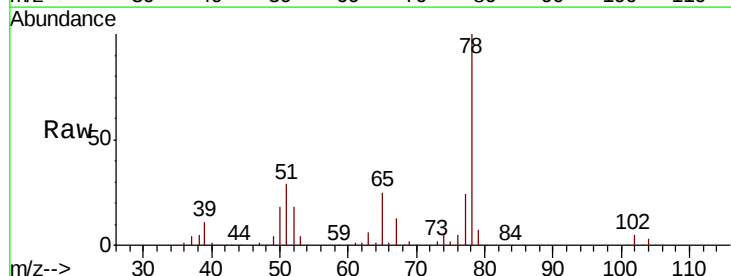
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

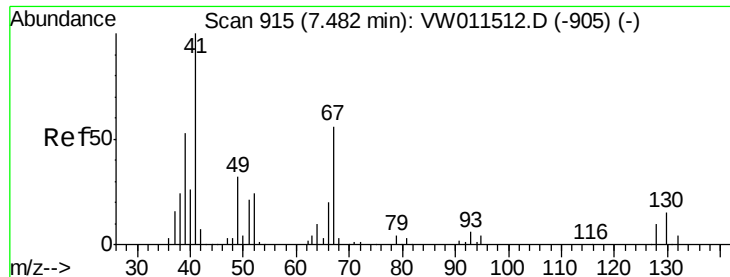
Tgt Ion: 83 Resp: 95234
Ion Ratio Lower Upper
83 100
55 90.5 72.1 108.1
98 49.8 38.6 57.8



#40
Benzene
Concen: 22.048 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion: 78 Resp: 233914
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0





#41

Methacrylonitrile

Concen: 20.692 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

Tgt Ion: 41 Resp: 26953

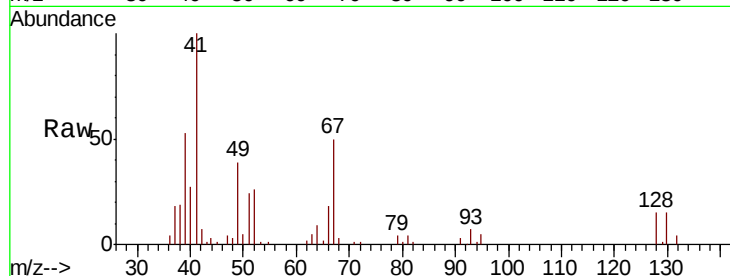
Ion Ratio Lower Upper

41 100

39 57.2 43.0 64.4

67 58.5 47.5 71.3

52 27.5 21.0 31.6

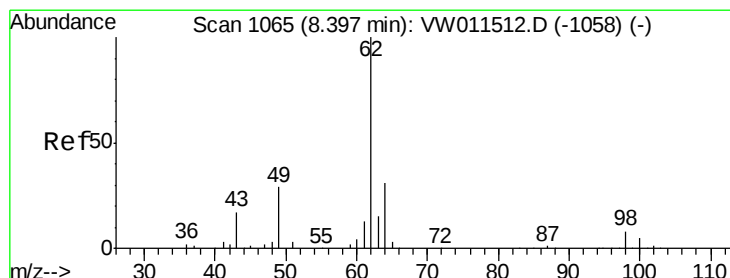
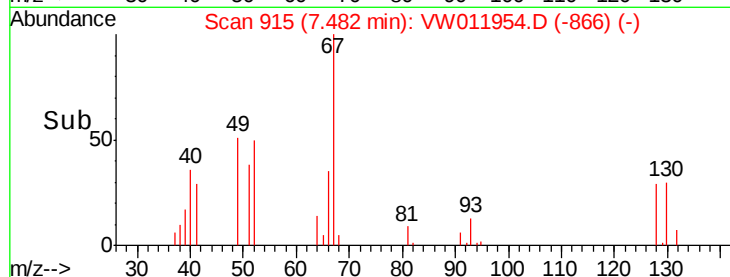
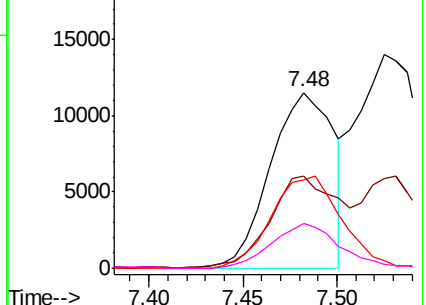


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.536 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW011954.D

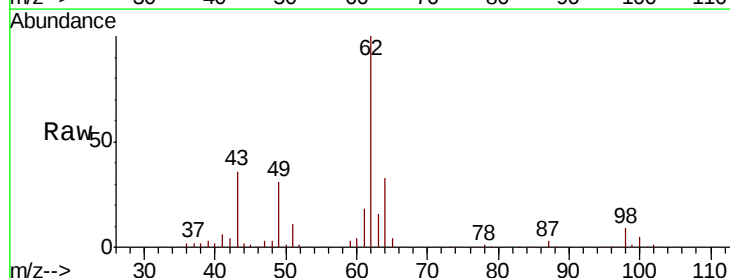
Acq: 16 Aug 2019 10:34

Tgt Ion: 62 Resp: 71533

Ion Ratio Lower Upper

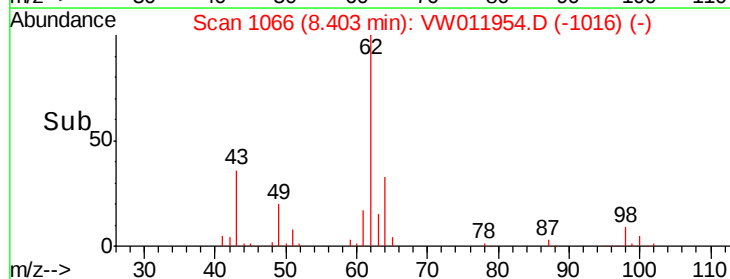
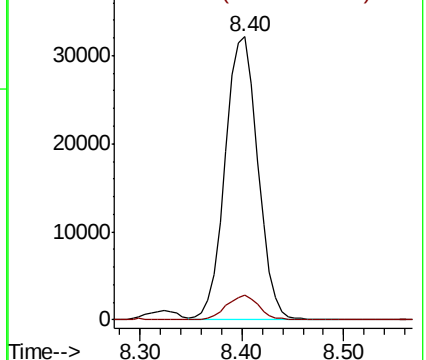
62 100

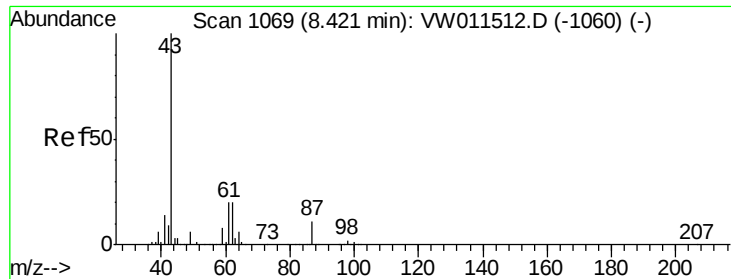
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.641 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

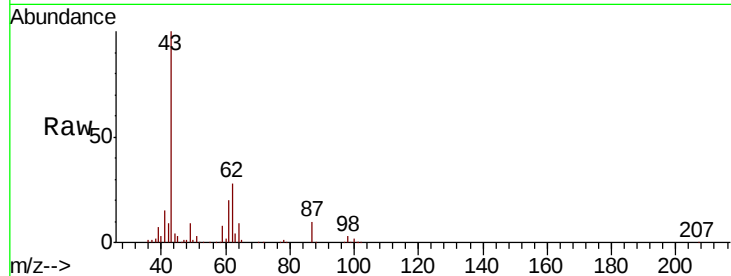
Tgt Ion: 43 Resp: 82720

Ion Ratio Lower Upper

43 100

61 26.7 21.5 32.3

87 10.8 8.4 12.6

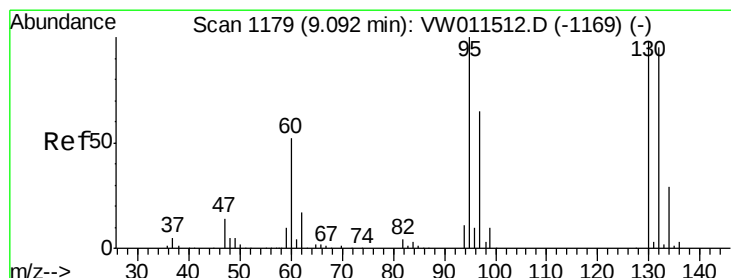
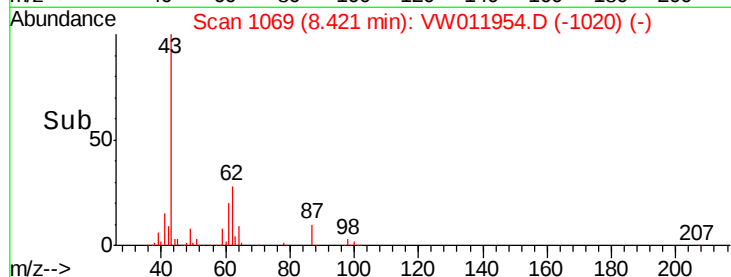
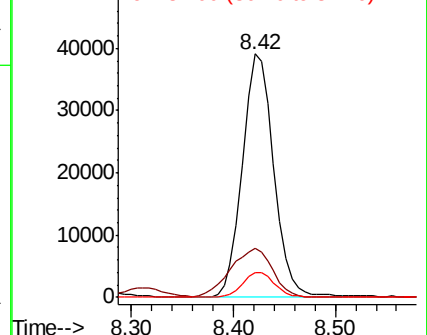


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 22.253 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011954.D

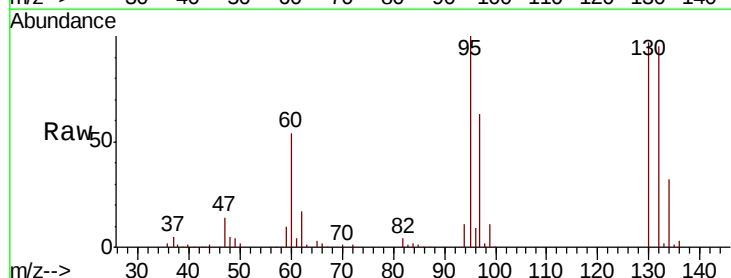
Acq: 16 Aug 2019 10:34

Tgt Ion: 130 Resp: 56744

Ion Ratio Lower Upper

130 100

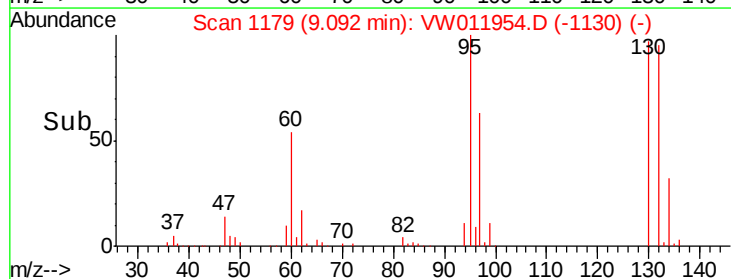
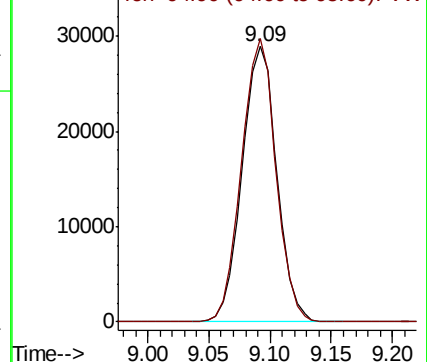
95 102.9 0.0 204.8

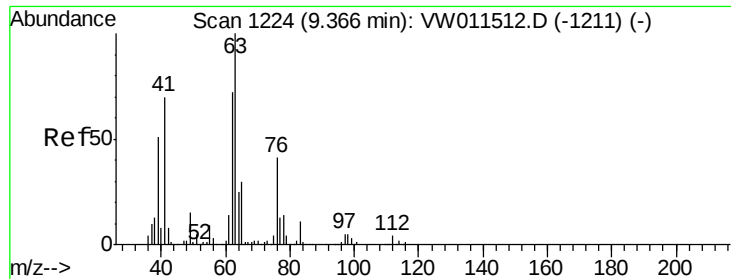


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

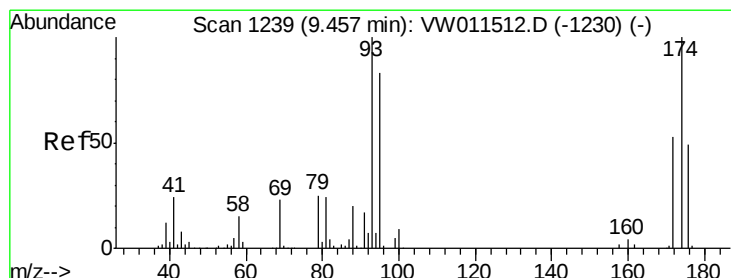
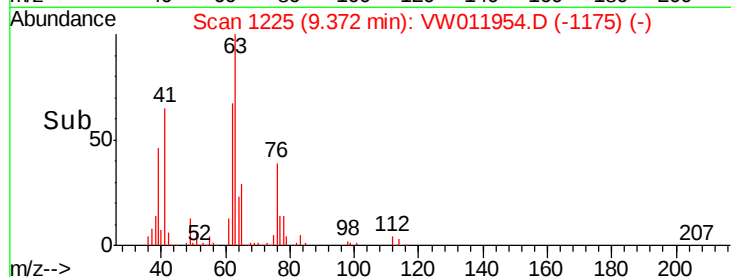
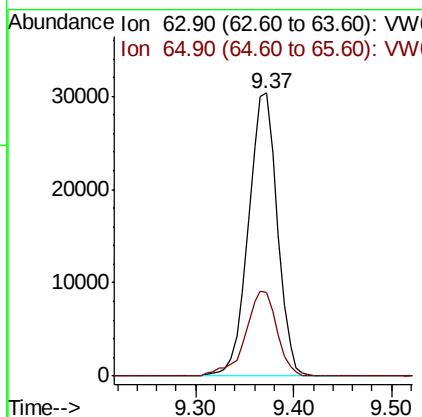
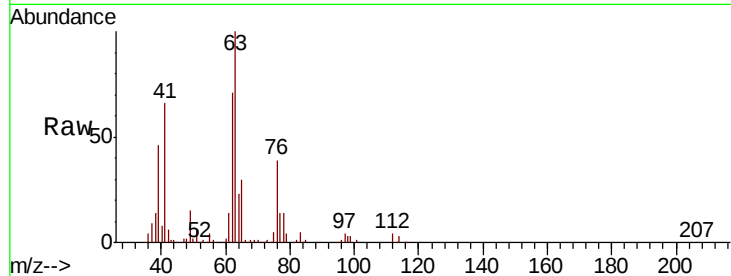




#45
 1,2-Dichloropropane
 Concen: 21.904 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

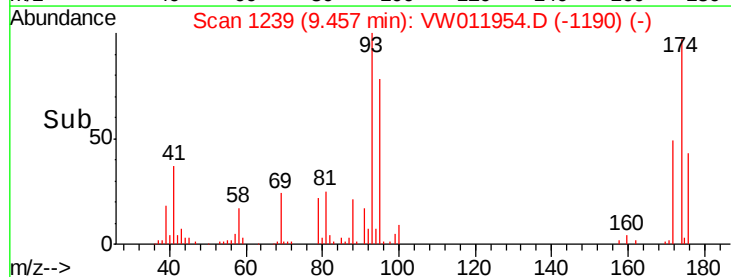
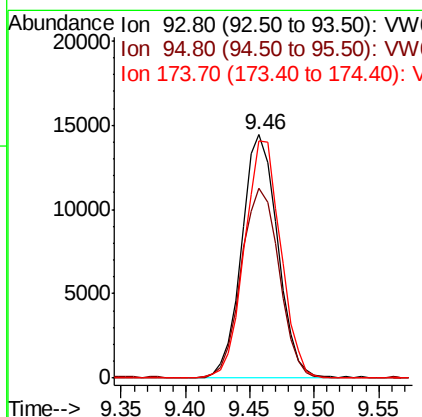
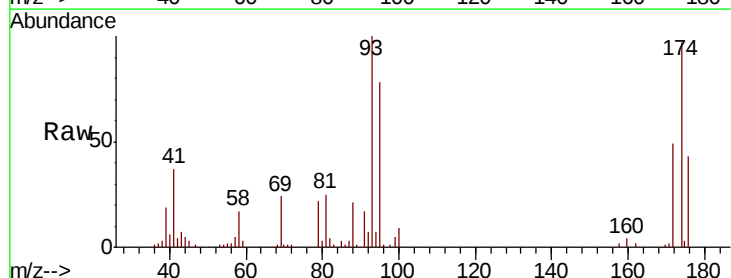
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

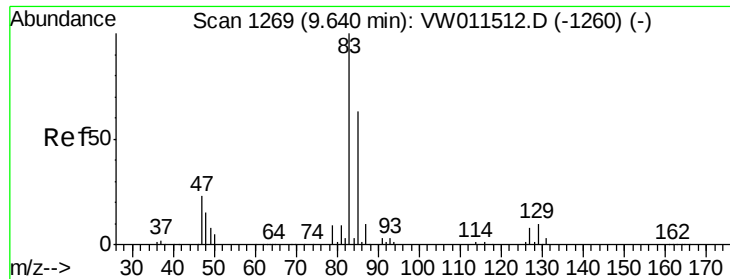
Tgt Ion: 63 Resp: 62178
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.2 36.4



#46
 Dibromomethane
 Concen: 21.541 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 93 Resp: 27909
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.2
 174 97.9 78.2 117.4

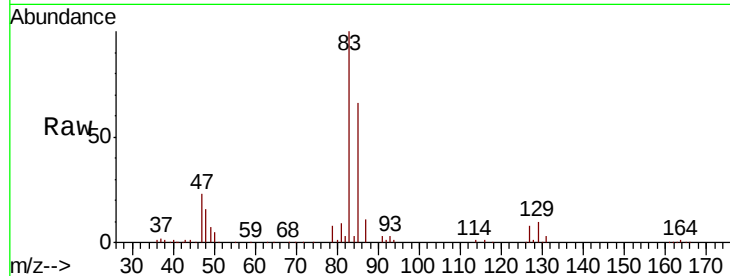




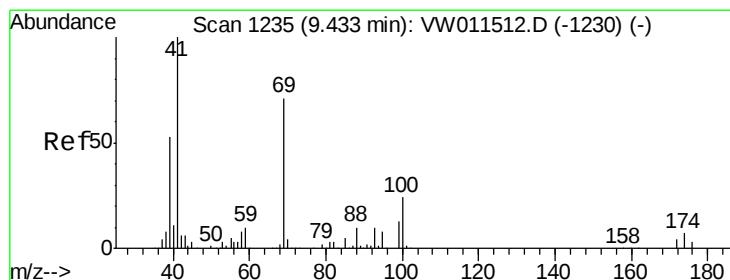
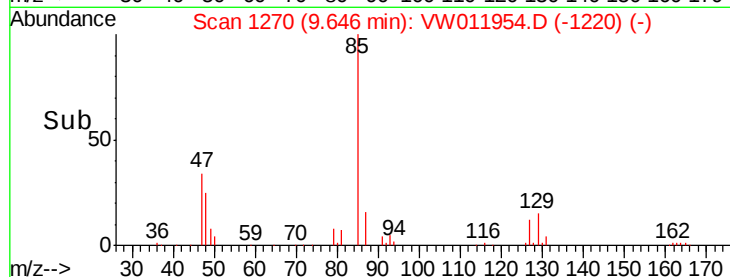
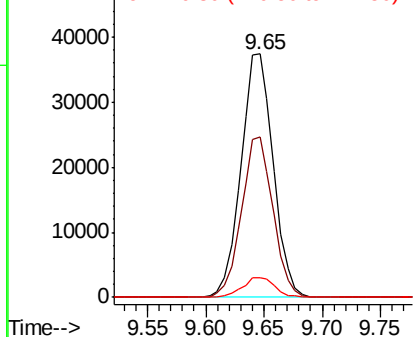
#47
 Bromodichloromethane
 Concen: 21.245 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

Tgt Ion: 83 Resp: 72203
 Ion Ratio Lower Upper
 83 100
 85 65.9 50.5 75.7
 127 7.9 6.4 9.6

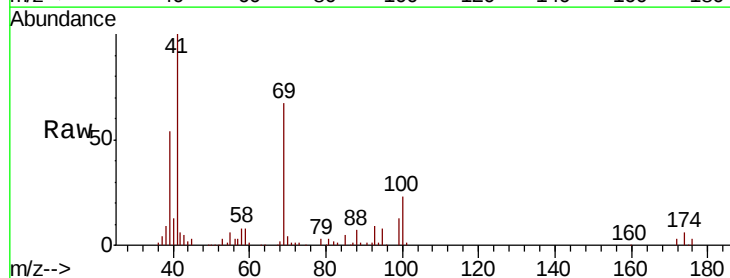


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

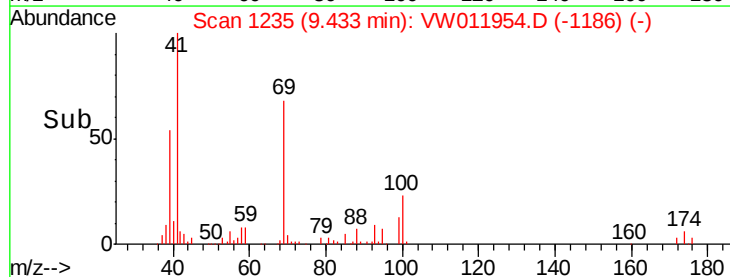
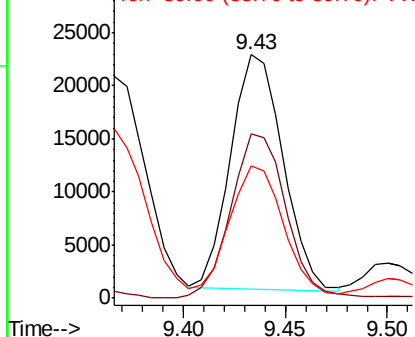


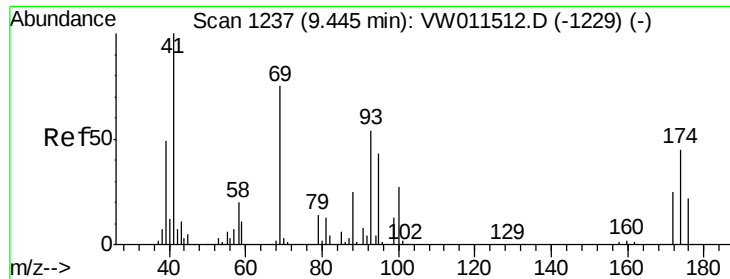
#48
 Methyl methacrylate
 Concen: 20.538 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 41 Resp: 39536
 Ion Ratio Lower Upper
 41 100
 69 74.5 57.1 85.7
 39 59.1 45.4 68.2



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: 420.102 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

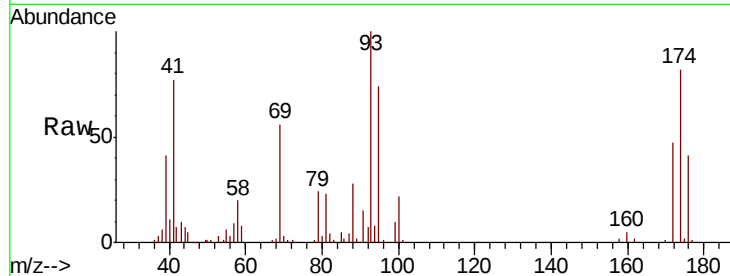
Tgt Ion: 88 Resp: 7881

Ion Ratio Lower Upper

88 100

43 40.5 34.0 51.0

58 77.6 69.7 104.5

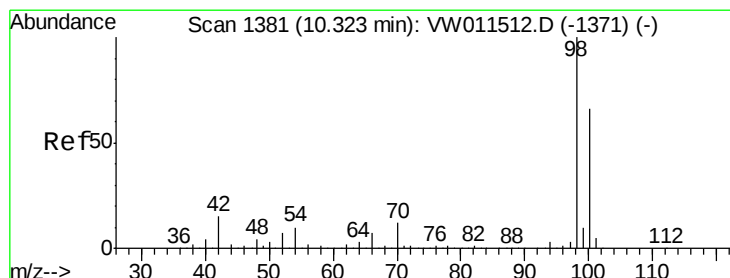
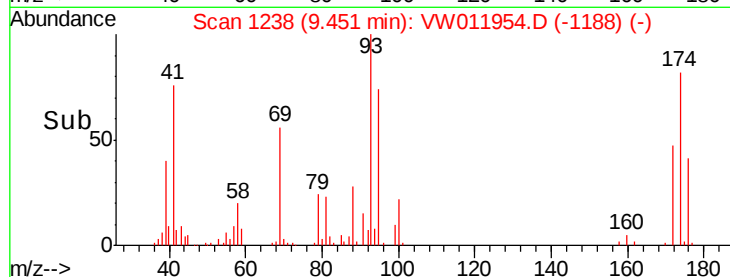
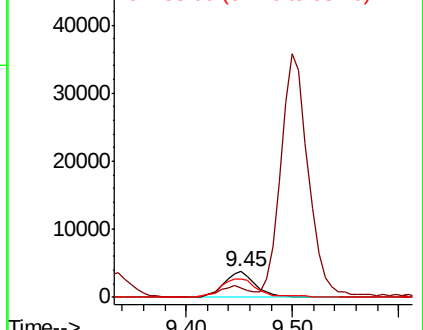


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.752 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011954.D

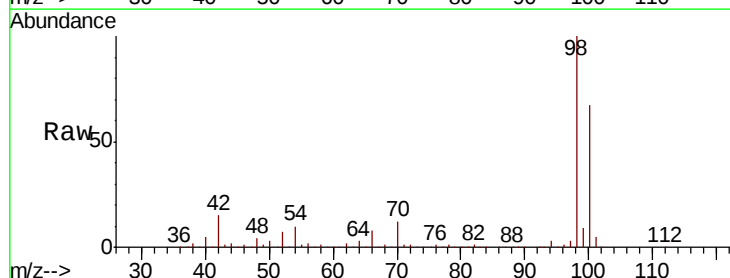
Acq: 16 Aug 2019 10:34

Tgt Ion: 98 Resp: 441367

Ion Ratio Lower Upper

98 100

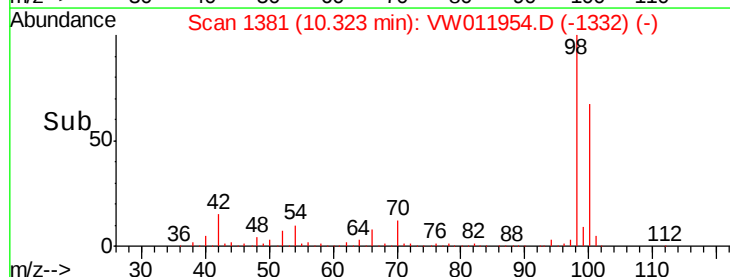
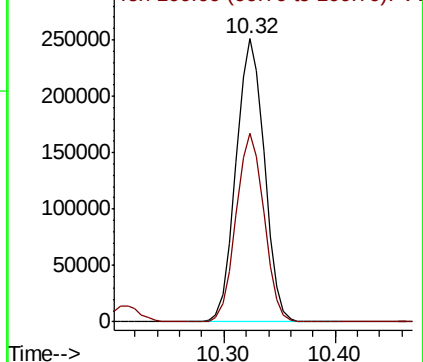
100 65.8 52.7 79.1



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

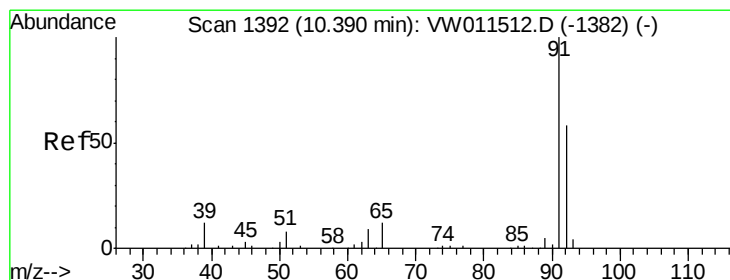
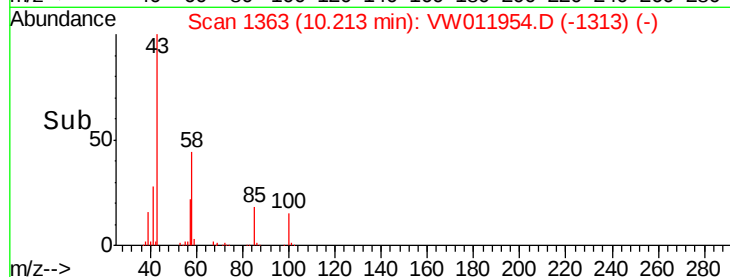
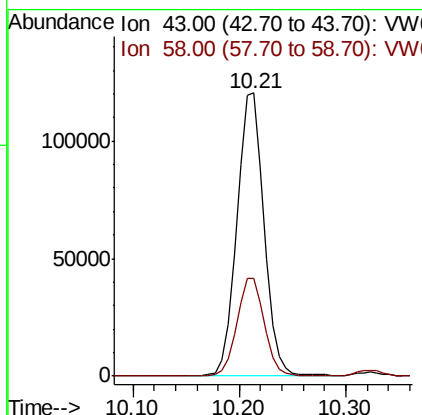
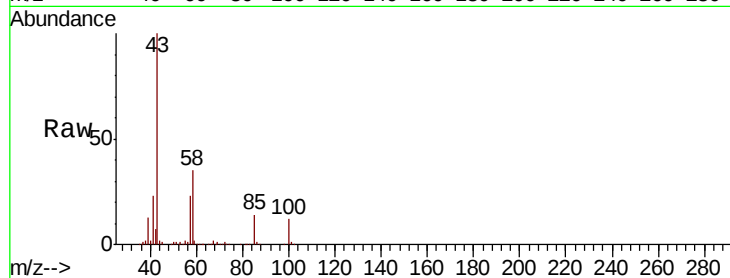




#51
 4-Methyl-2-Pentanone
 Concen: 103.346 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

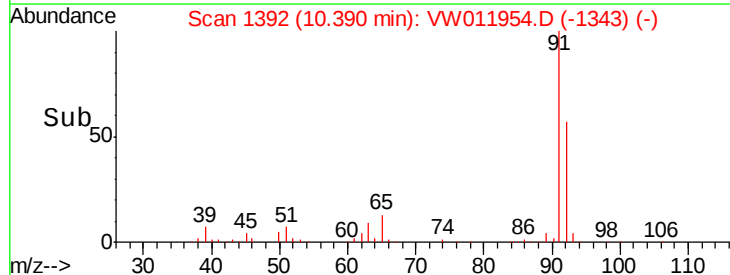
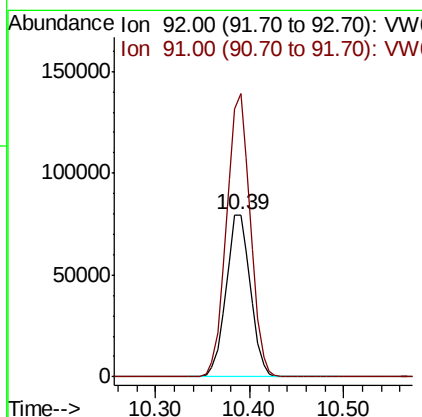
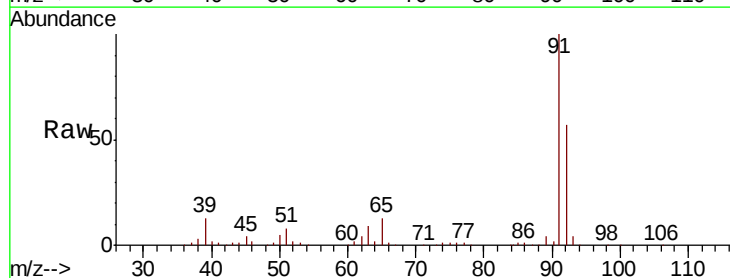
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

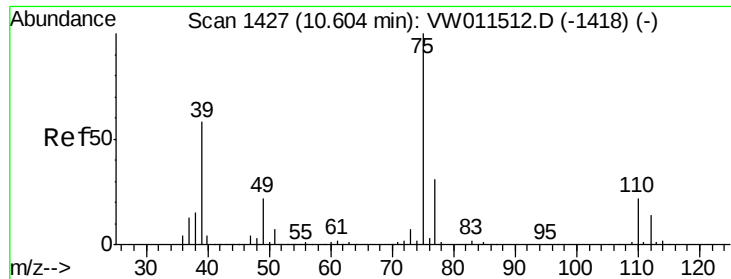
Tgt Ion: 43 Resp: 215424
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.2 42.2



#52
 Toluene
 Concen: 22.196 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 92 Resp: 142204
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.887 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

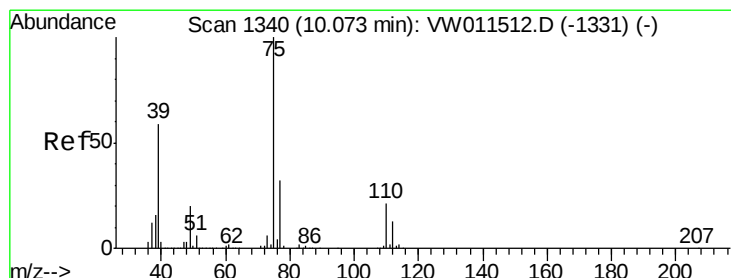
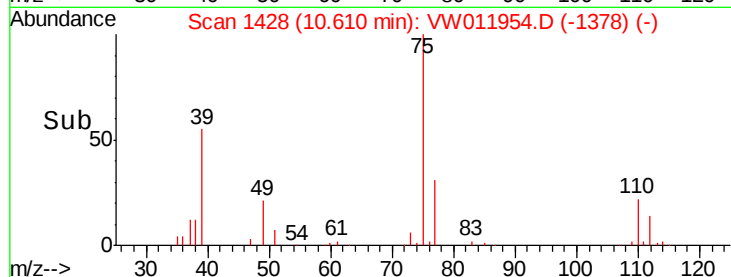
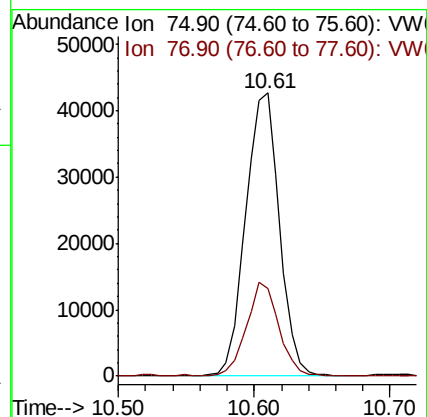
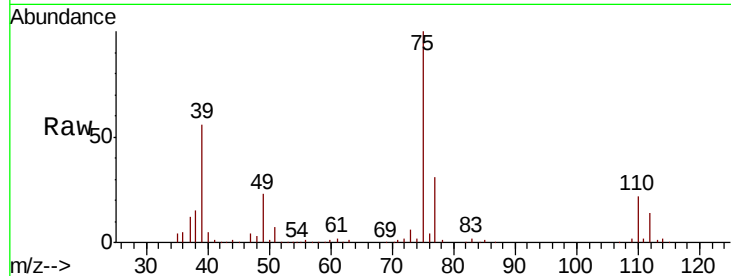
VW0817SBSD01

Tgt Ion: 75 Resp: 74154

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.512 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

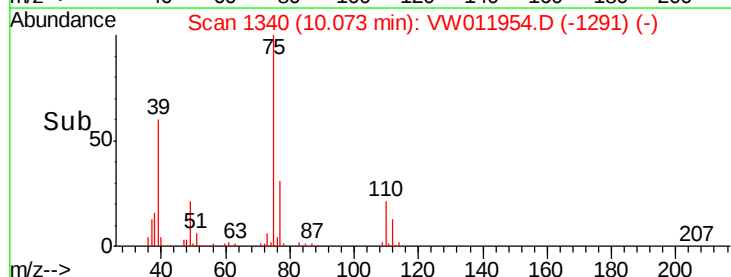
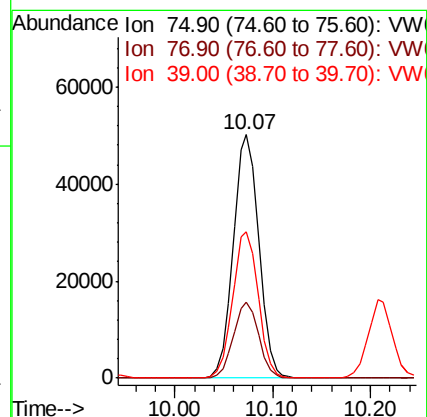
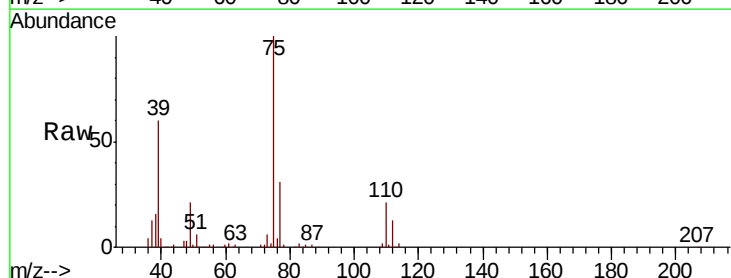
Tgt Ion: 75 Resp: 90805

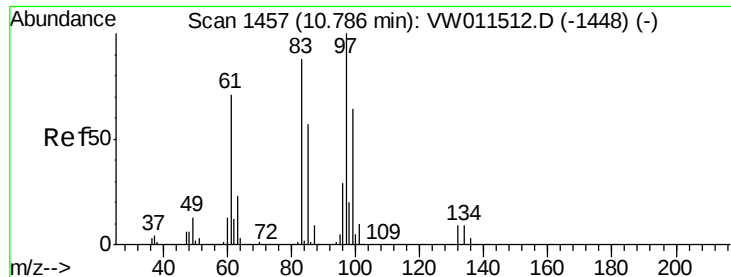
Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 60.2 47.0 70.4

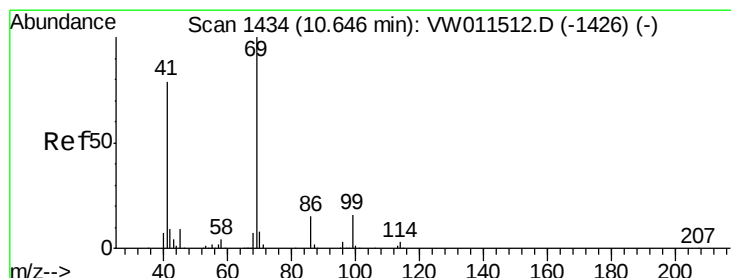
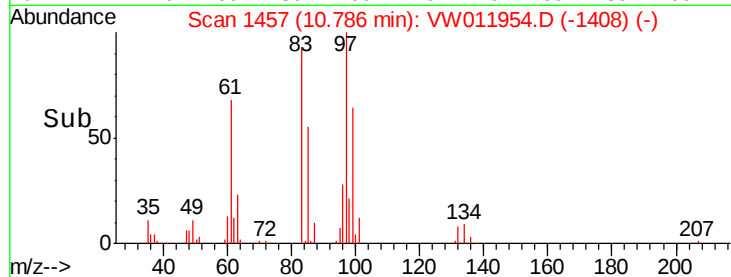
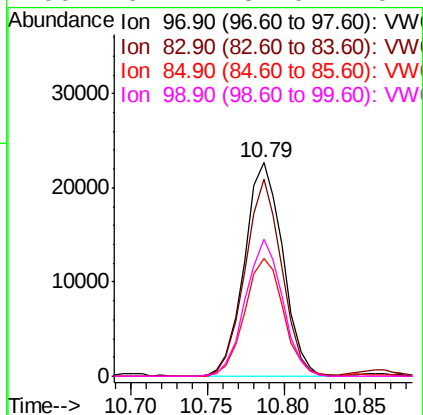
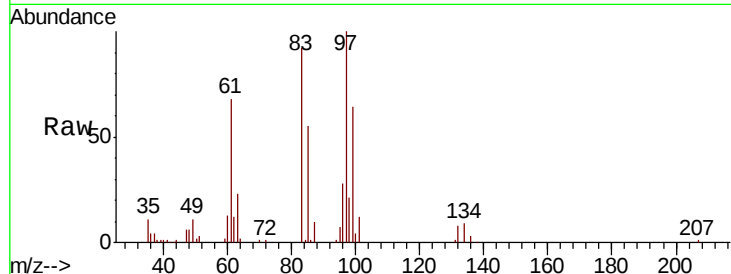




#55
 1,1,2-Trichloroethane
 Concen: 21.551 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

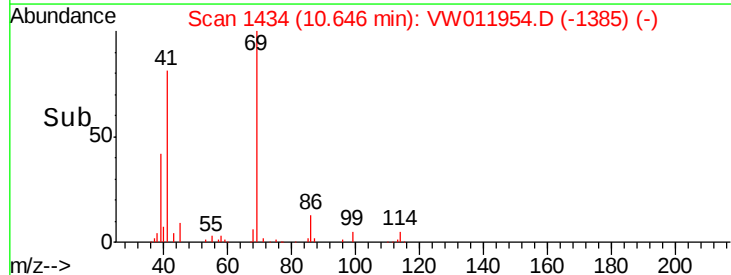
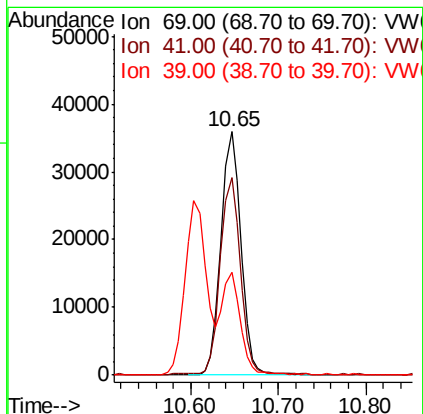
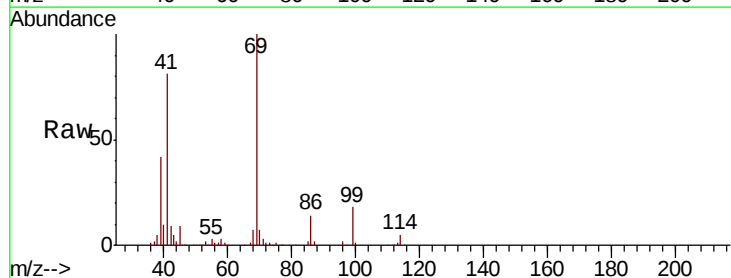
Instrument :
 MSVOA_W
 ClientSampled :
 VW0817SBSD01

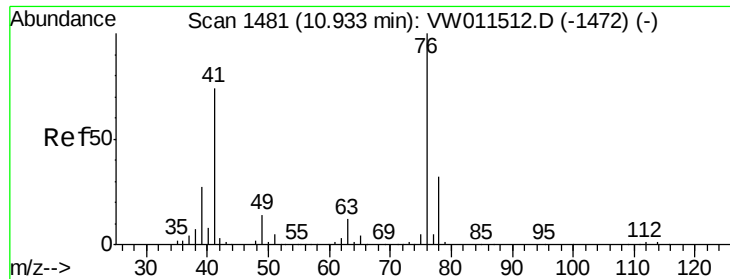
Tgt Ion:	97	Resp:	39617
Ion	Ratio	Lower	Upper
97	100		
83	92.1	70.5	105.7
85	55.1	45.8	68.6
99	64.4	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 21.321 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion:	69	Resp:	57354
Ion	Ratio	Lower	Upper
69	100		
41	82.9	66.6	99.8
39	38.3	30.3	45.5

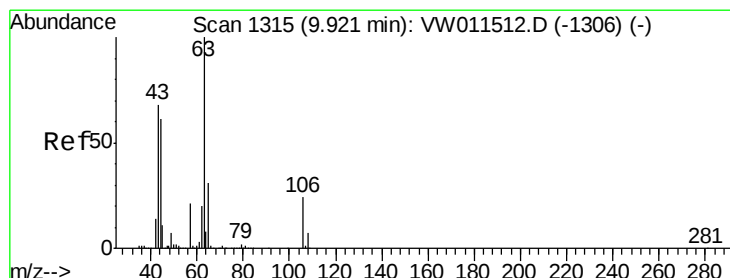
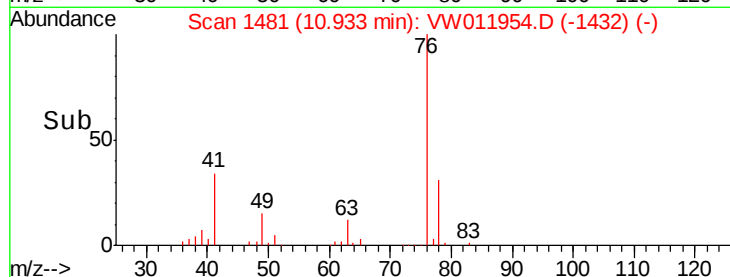
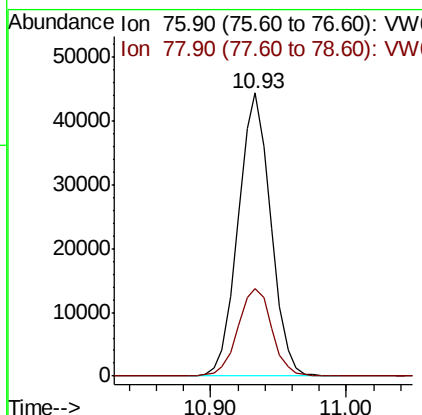
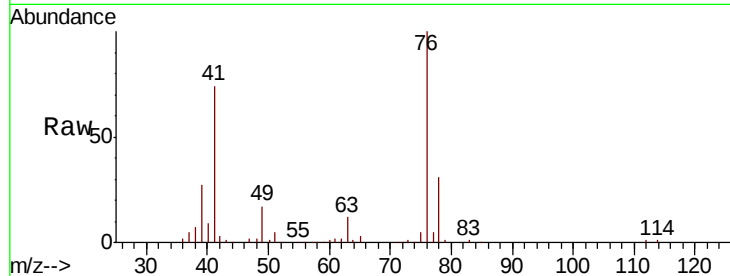




#57
 1,3-Dichloropropane
 Concen: 21.317 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

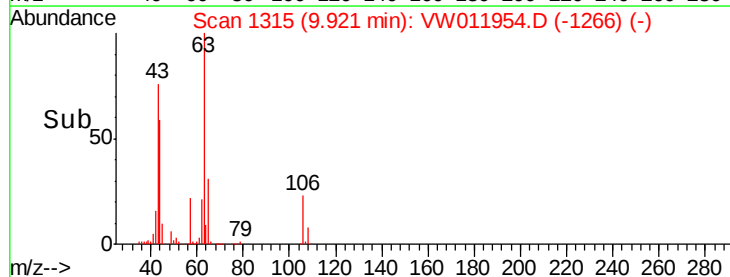
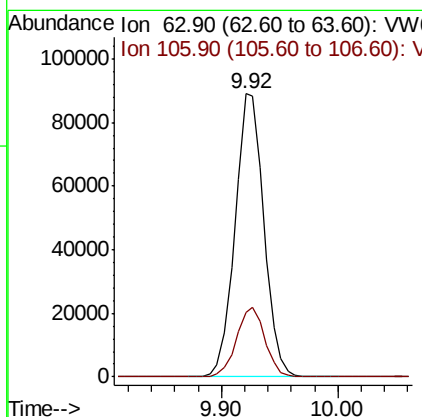
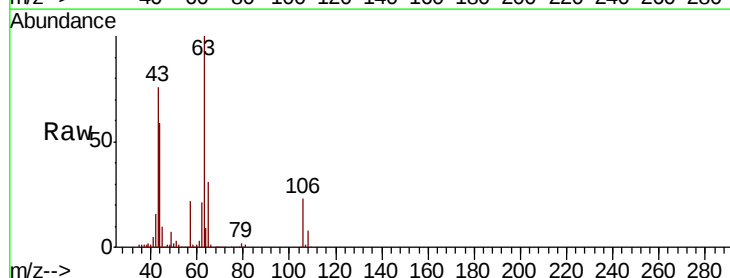
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

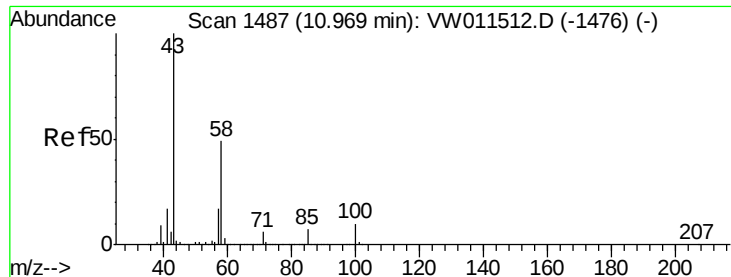
Tgt Ion: 76 Resp: 74138
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.668 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 63 Resp: 153487
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5

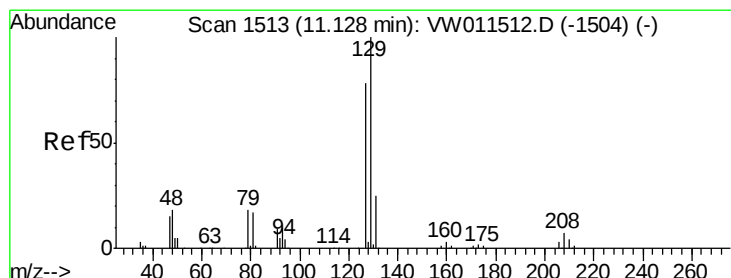
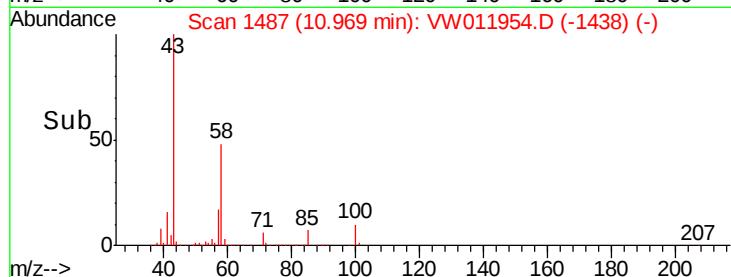
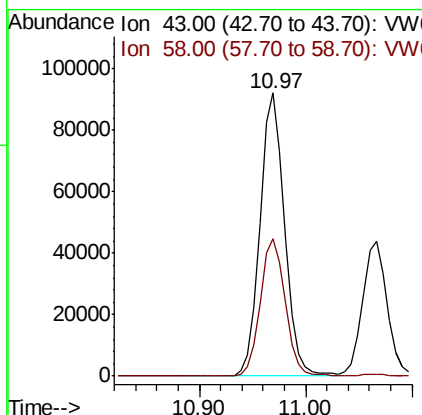
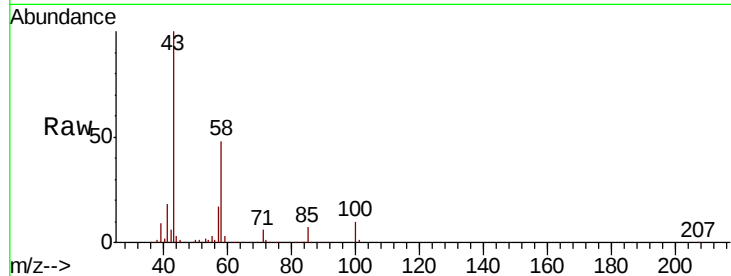




#59
2-Hexanone
Concen: 101.162 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

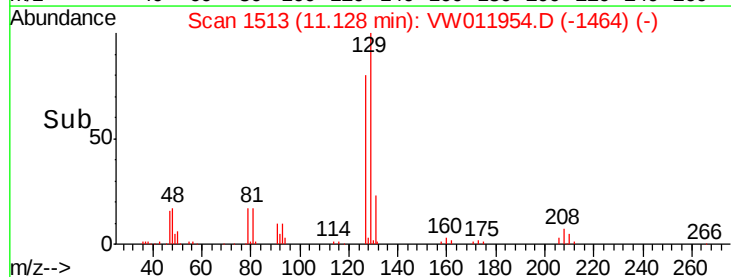
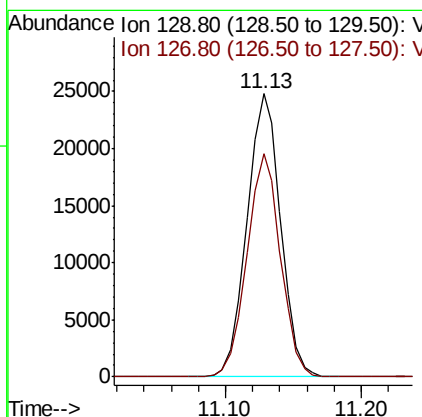
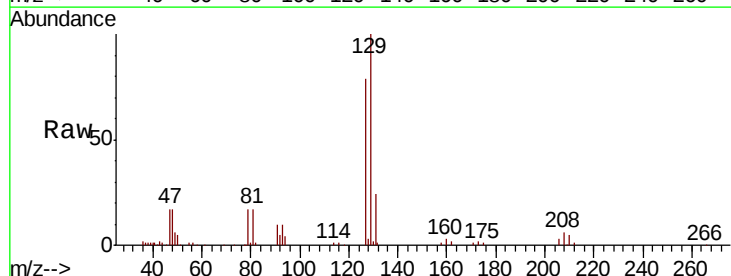
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

Tgt Ion: 43 Resp: 148890
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9



#60
Dibromochloromethane
Concen: 21.047 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion: 129 Resp: 42948
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.7

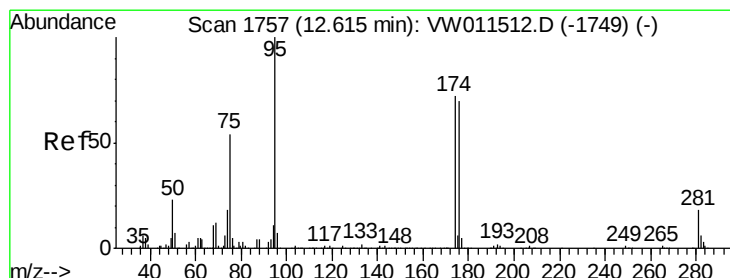
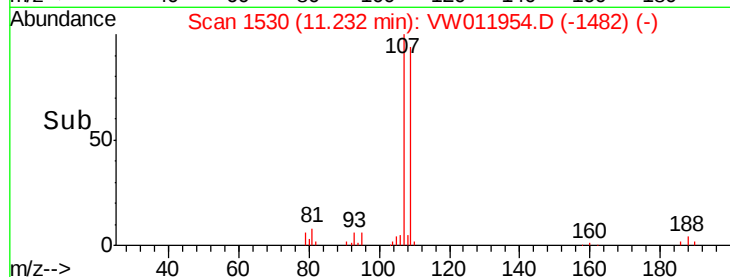
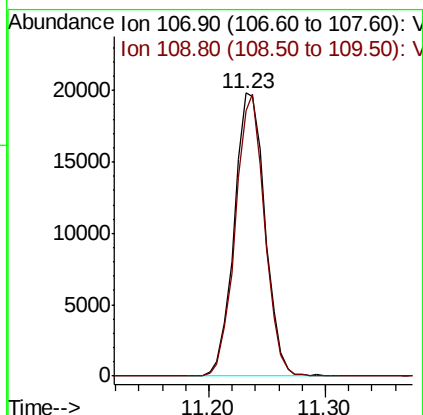
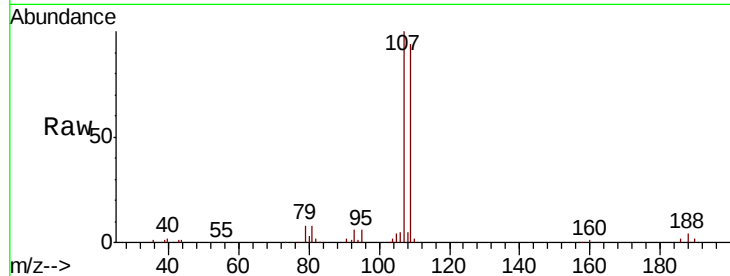




#61
 1,2-Dibromoethane
 Concen: 20.991 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

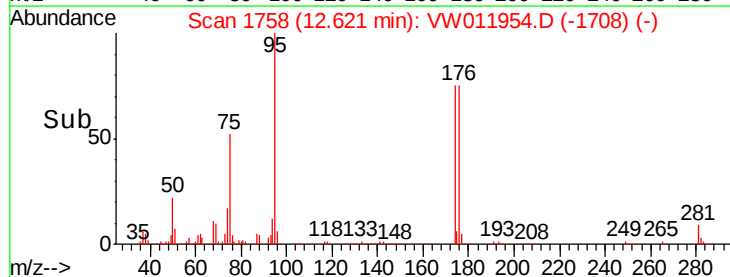
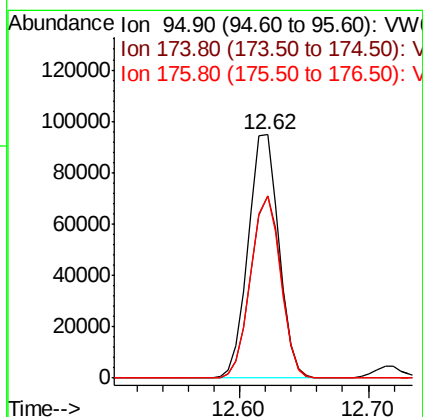
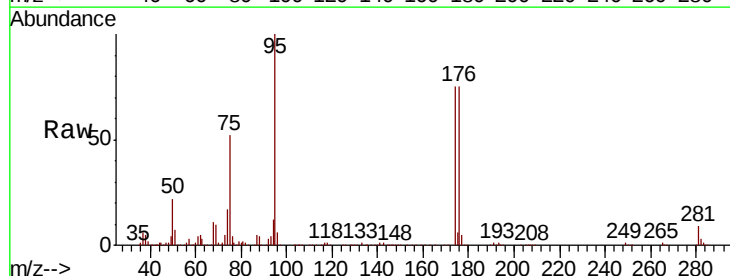
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

Tgt Ion: 107 Resp: 36516
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.104 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion: 95 Resp: 155422
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 150.2
 176 73.1 0.0 144.4

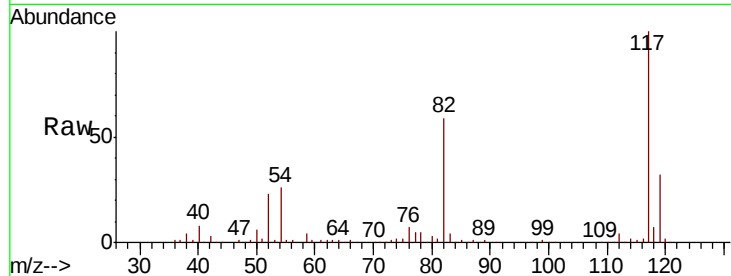




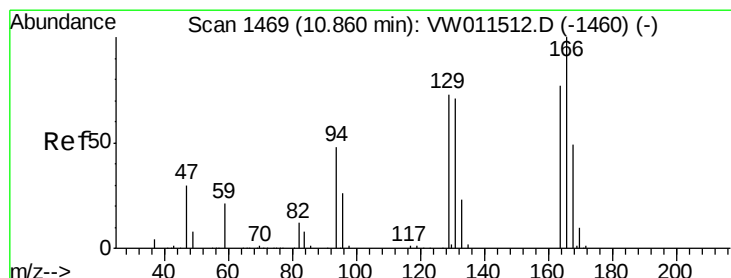
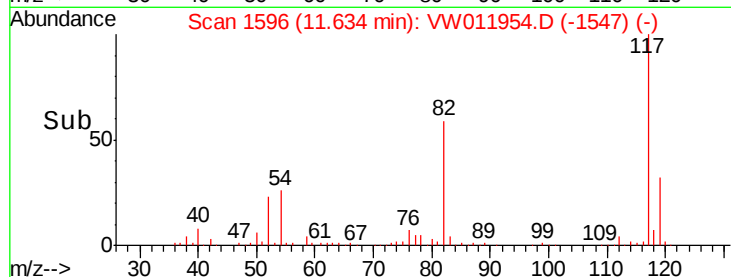
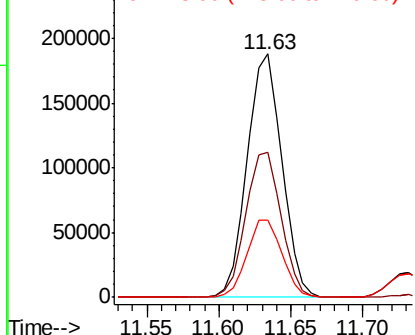
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

Tgt Ion:117 Resp: 313666
Ion Ratio Lower Upper
117 100
82 59.5 47.9 71.9
119 31.6 26.2 39.2



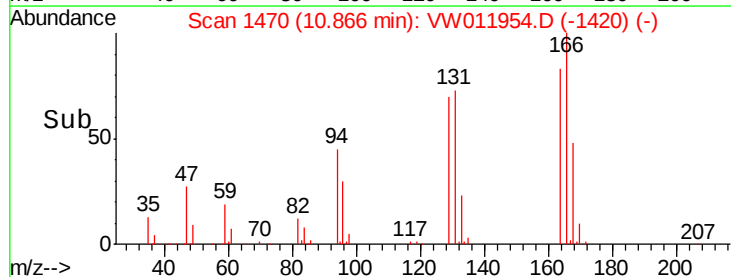
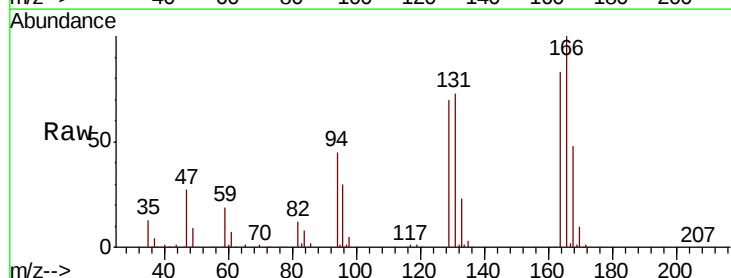
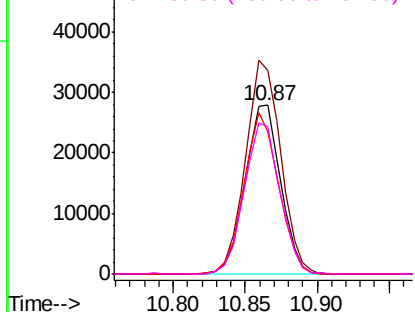
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

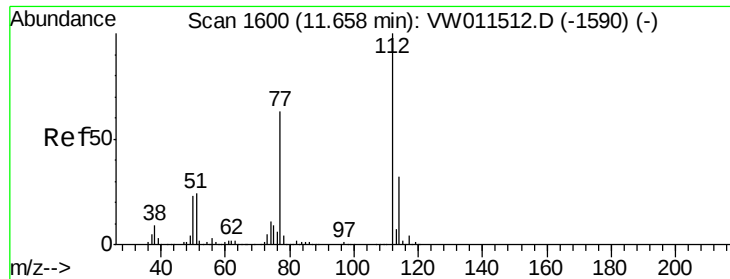


#64
Tetrachloroethene
Concen: 23.162 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion:164 Resp: 47303
Ion Ratio Lower Upper
164 100
166 120.6 103.5 155.3
129 84.6 75.2 112.8
131 87.7 73.4 110.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.038 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

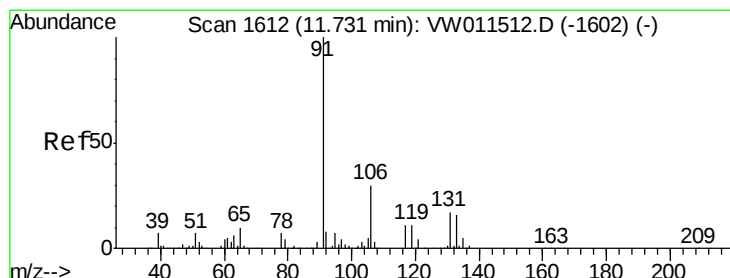
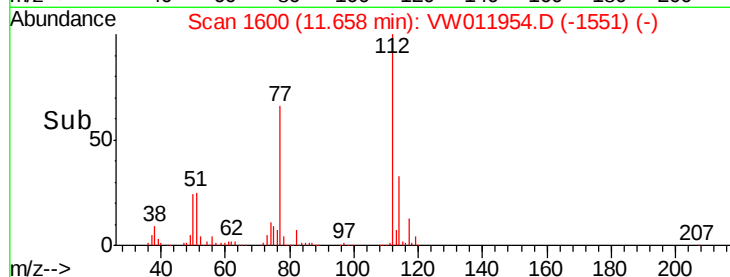
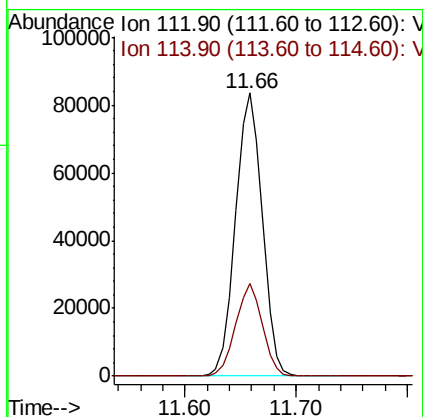
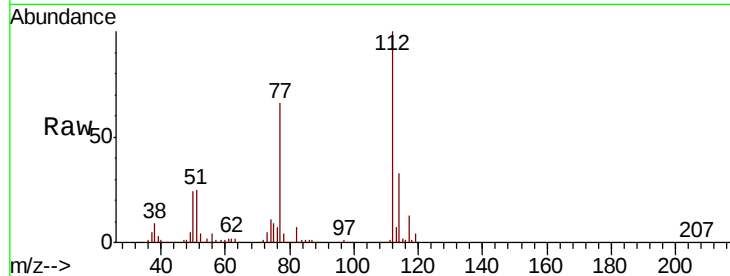
VW0817SBSD01

Tgt Ion:112 Resp: 138978

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 22.447 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

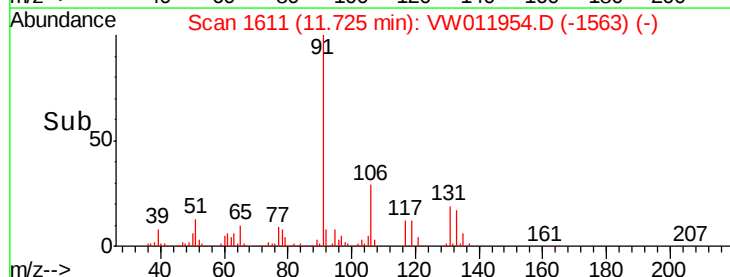
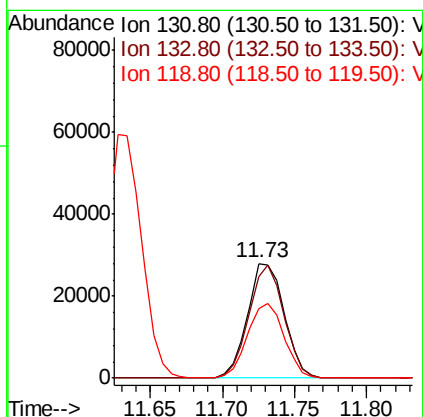
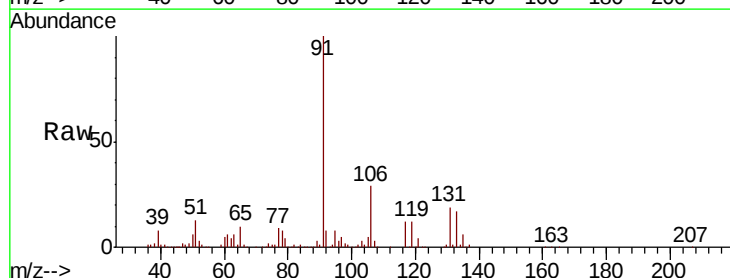
Tgt Ion:131 Resp: 49307

Ion Ratio Lower Upper

131 100

133 94.0 47.4 142.2

119 65.0 32.3 96.9





#67

Ethyl Benzene

Concen: 22.626 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

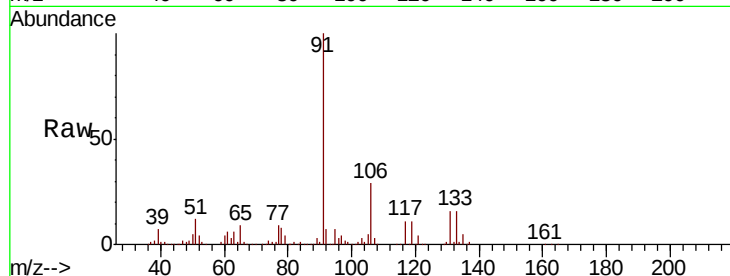
VW0817SBSD01

Tgt Ion: 91 Resp: 271749

Ion Ratio Lower Upper

91 100

106 29.1 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

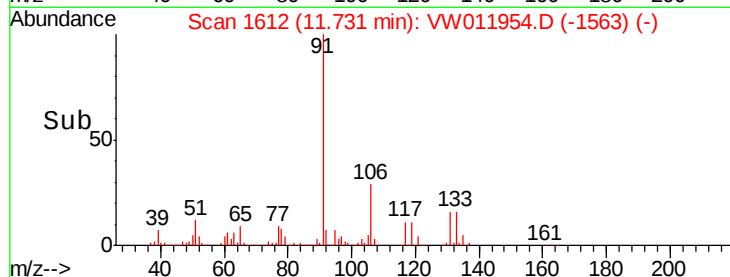
100000

50000

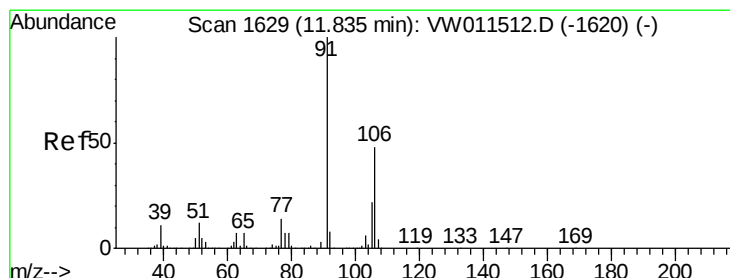
0

11.65 11.70 11.75 11.80

11.73



Time-->



#68

m/p-Xylenes

Concen: 45.420 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011954.D

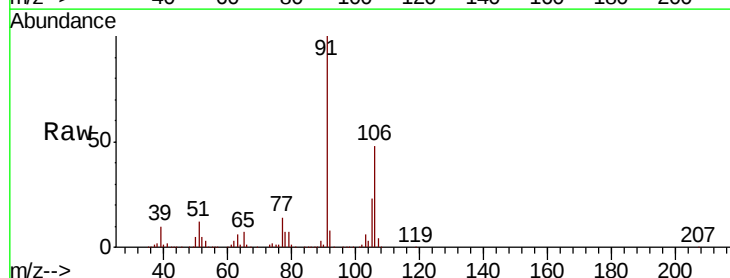
Acq: 16 Aug 2019 10:34

Tgt Ion: 106 Resp: 198384

Ion Ratio Lower Upper

106 100

91 209.1 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

250000

200000

150000

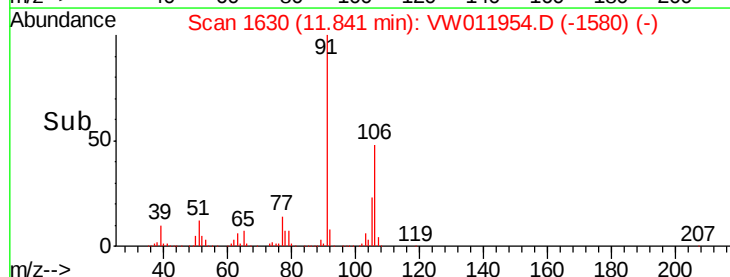
100000

50000

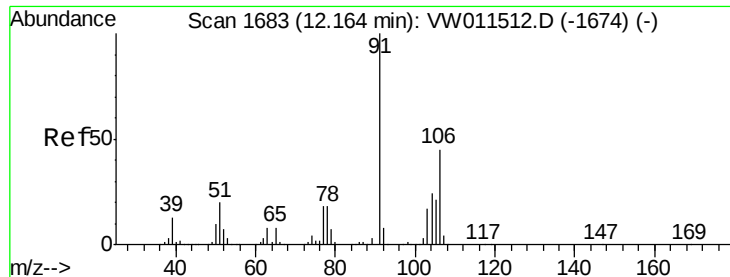
0

11.80 11.85 11.90

11.84



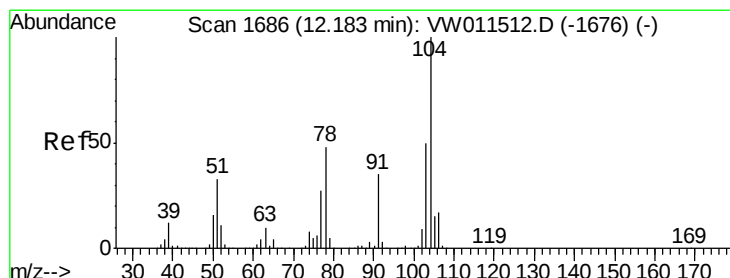
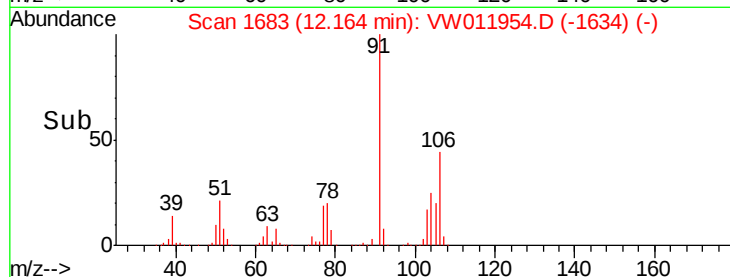
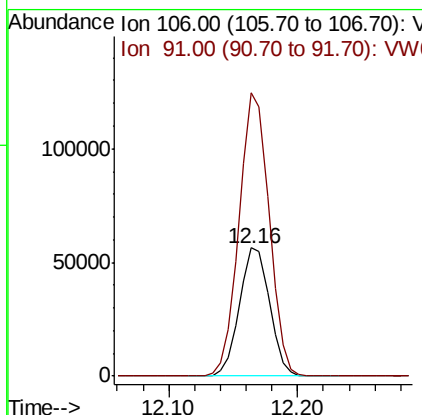
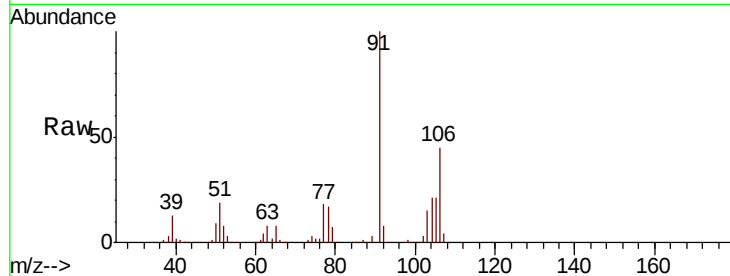
Time-->



#69
o-Xylene
Concen: 22.594 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

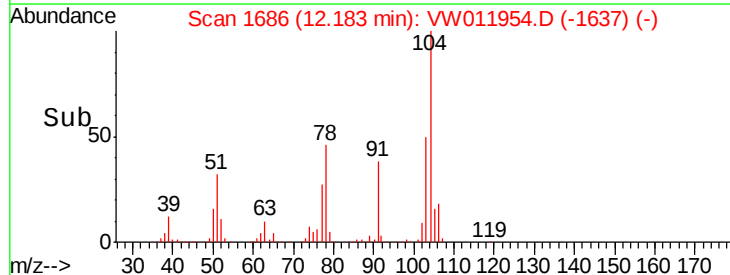
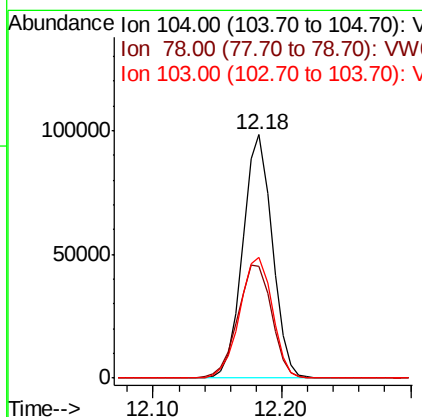
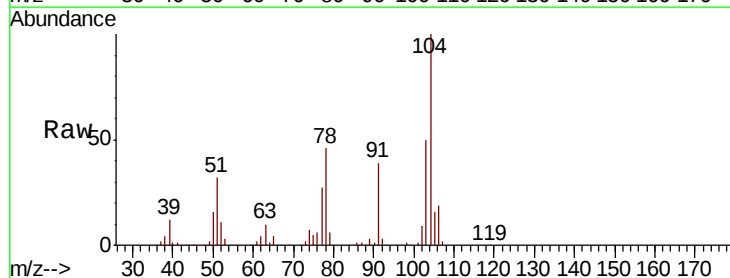
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

Tgt Ion:106 Resp: 91706
Ion Ratio Lower Upper
106 100
91 219.7 110.5 331.5



#70
Styrene
Concen: 22.132 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion:104 Resp: 155316
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 55.3 43.9 65.9

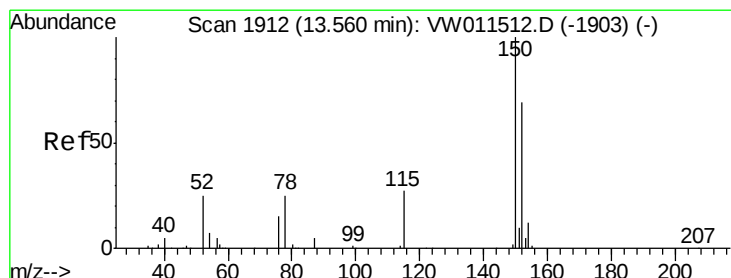
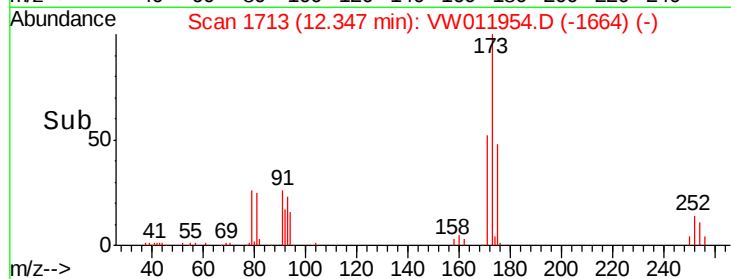
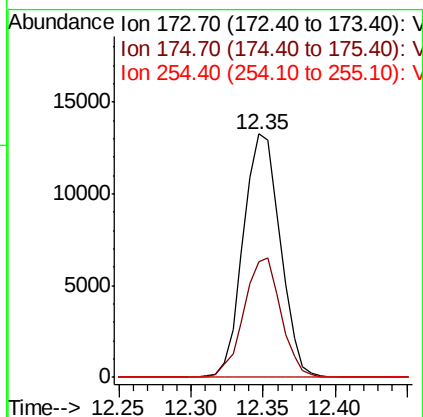
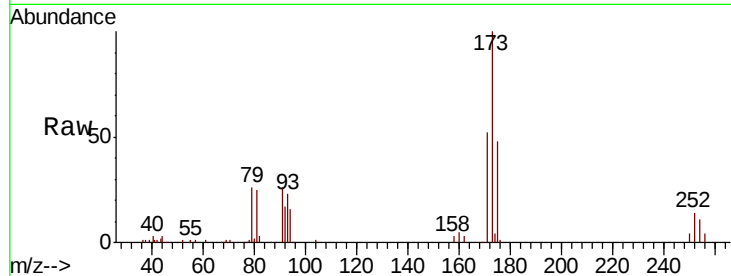




#71
Bromoform
Concen: 21.043 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

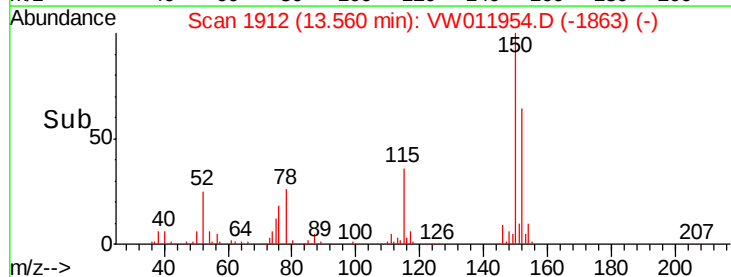
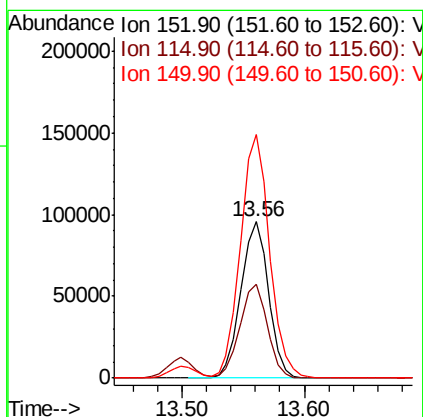
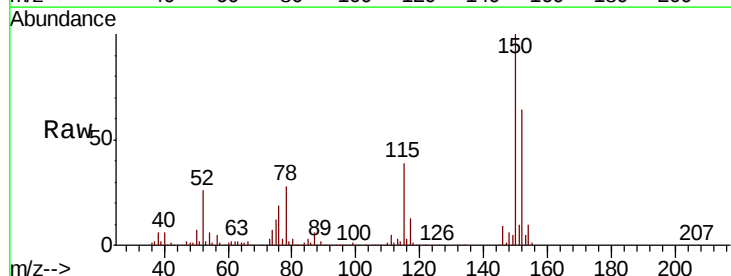
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

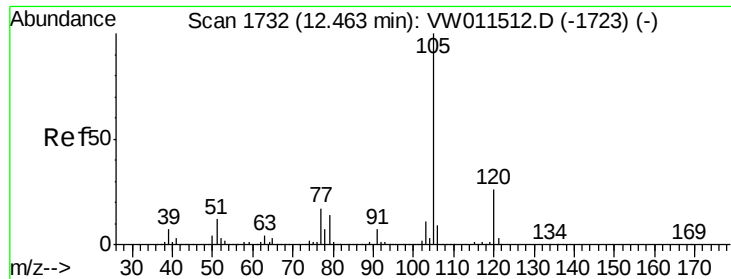
Tgt Ion:173 Resp: 23567
Ion Ratio Lower Upper
173 100
175 48.9 23.6 71.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion:152 Resp: 150486
Ion Ratio Lower Upper
152 100
115 59.7 30.5 91.5
150 163.3 0.0 352.6





#73

Isopropylbenzene

Concen: 22.932 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

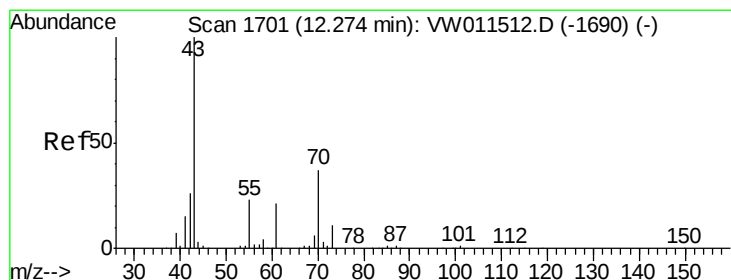
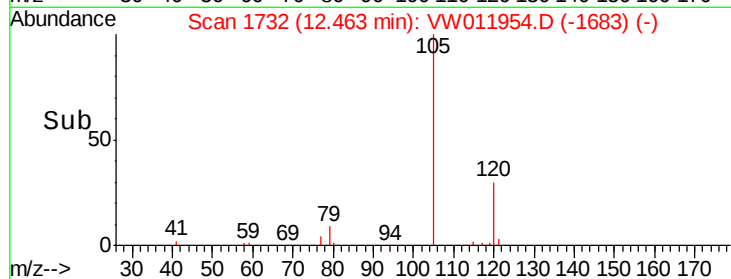
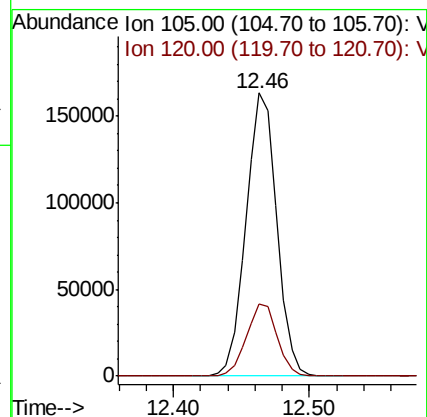
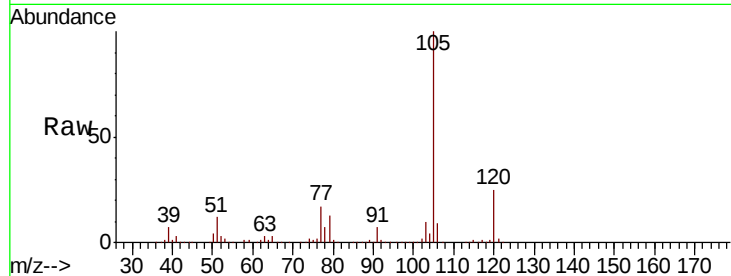
VW0817SBSD01

Tgt Ion: 105 Resp: 257446

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



#74

N-ethyl acetate

Concen: 21.443 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Tgt Ion: 43 Resp: 75368

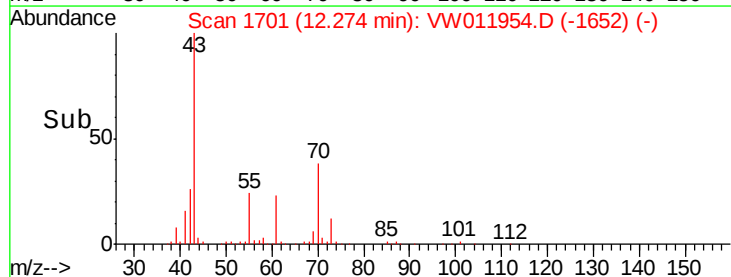
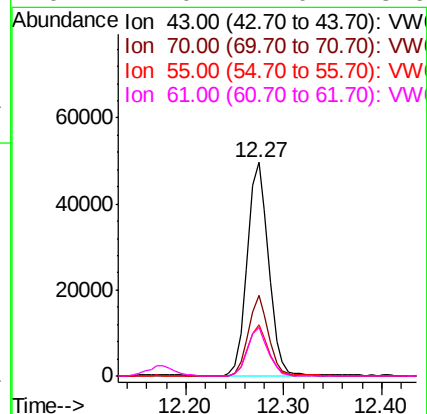
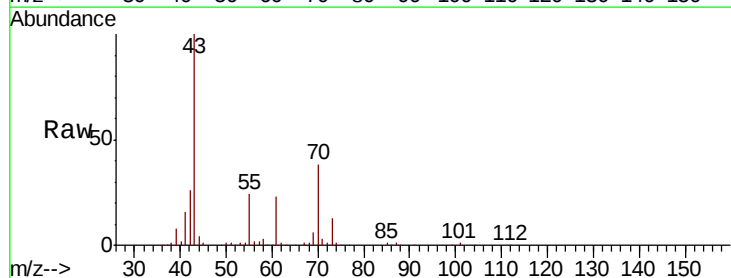
Ion Ratio Lower Upper

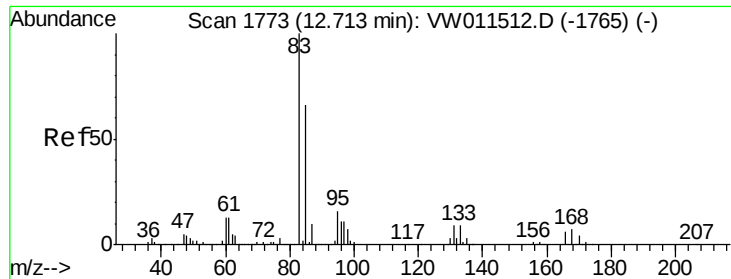
43 100

70 35.4 28.6 43.0

55 23.6 17.8 26.8

61 22.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.048 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

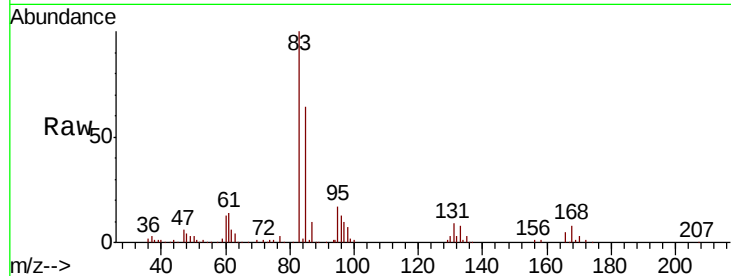
Instrument :

MSVOA_W

ClientSampled :

VW0817SBSD01

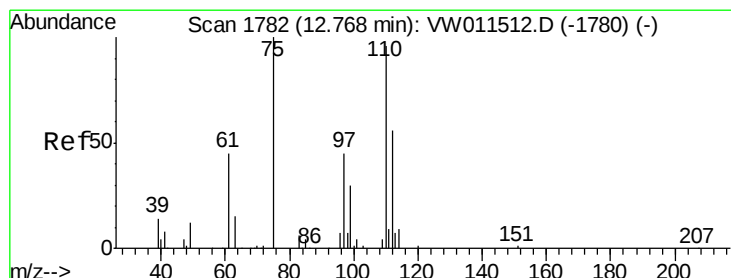
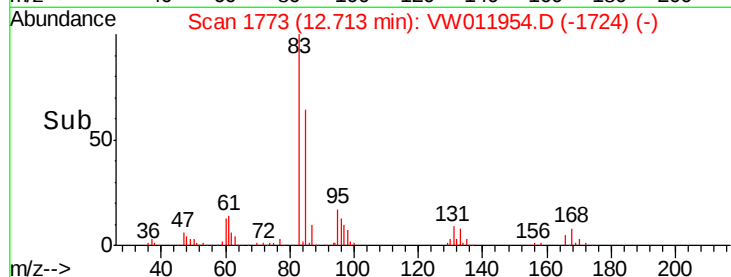
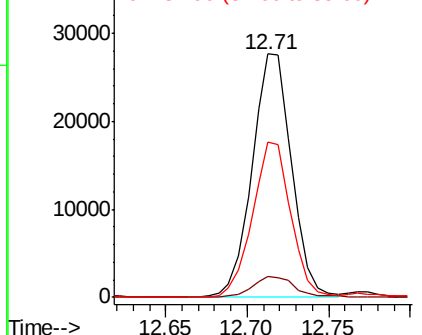
Tgt Ion:	83	Resp:	46560
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.6
85	62.1	31.8	95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.463 ug/l

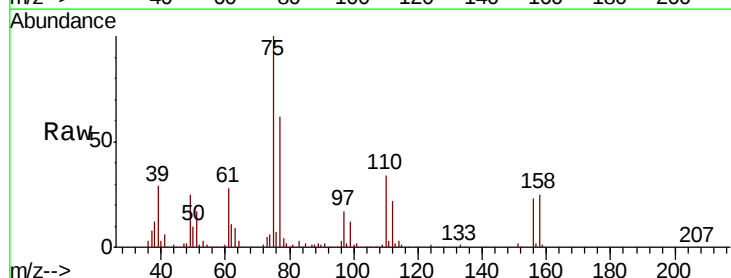
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011954.D

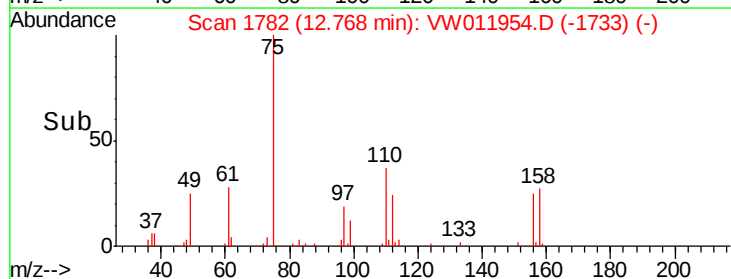
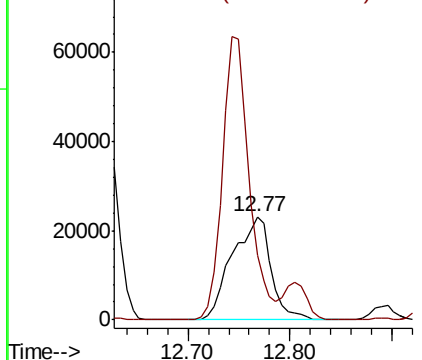
Acq: 16 Aug 2019 10:34

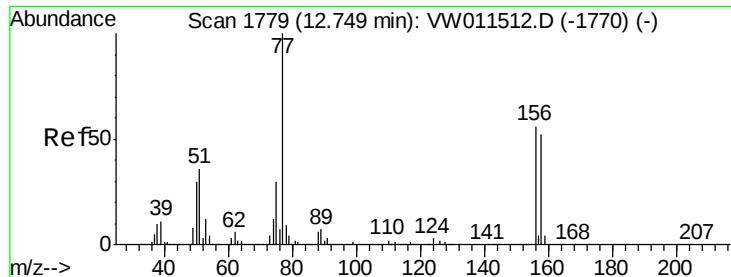
Tgt Ion:	75	Resp:	61246
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.133 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

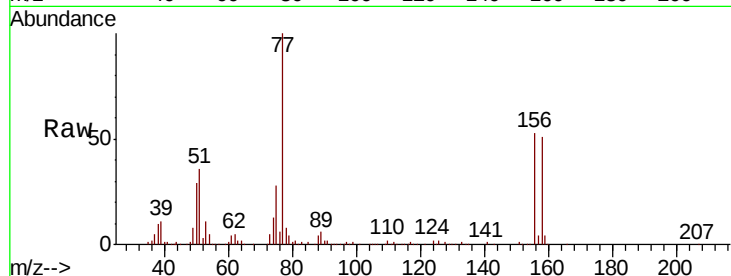
Tgt Ion:156 Resp: 54921

Ion Ratio Lower Upper

156 100

77 211.0 106.5 319.4

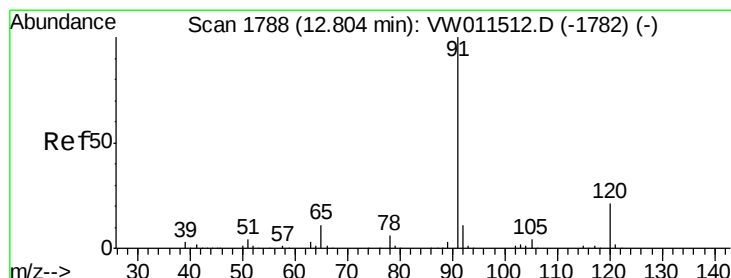
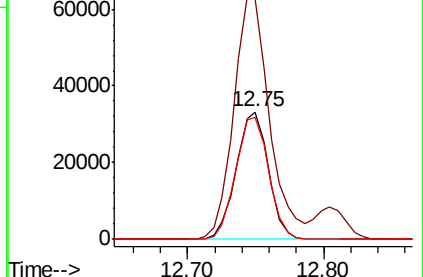
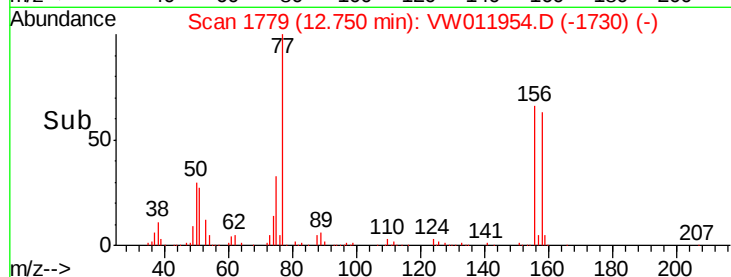
158 98.1 48.0 144.2



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: 23.335 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011954.D

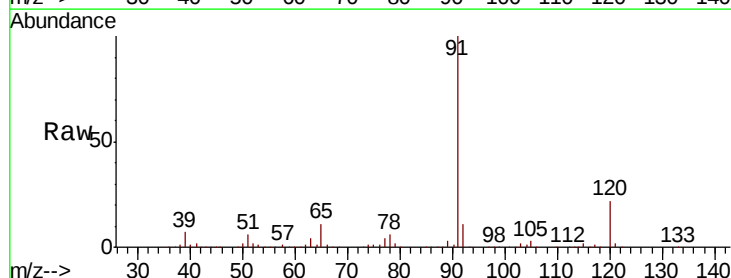
Acq: 16 Aug 2019 10:34

Tgt Ion: 91 Resp: 318824

Ion Ratio Lower Upper

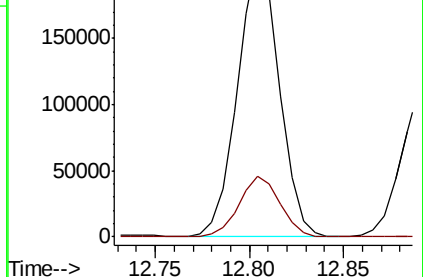
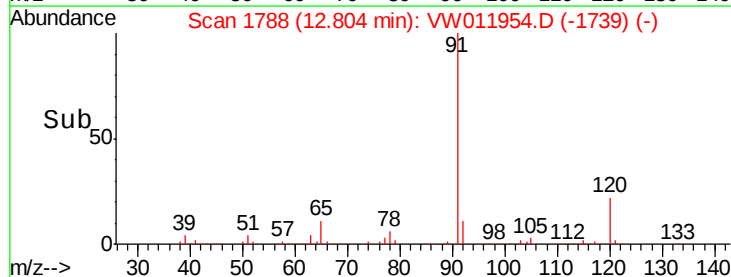
91 100

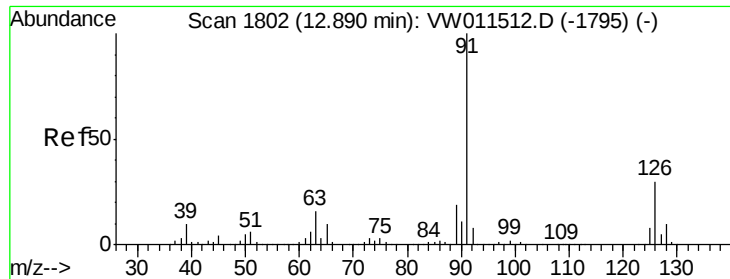
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.568 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

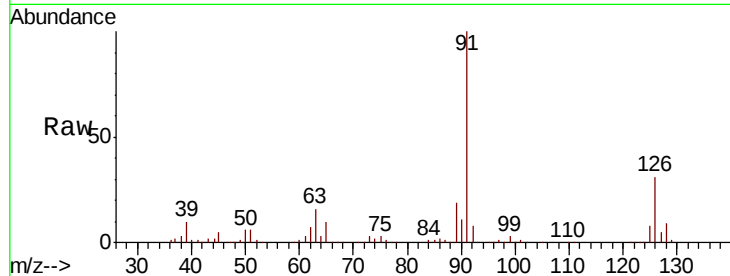
VW0817SBSD01

Tgt Ion: 91 Resp: 177635

Ion Ratio Lower Upper

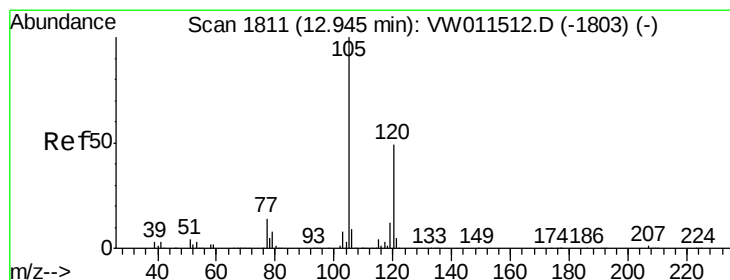
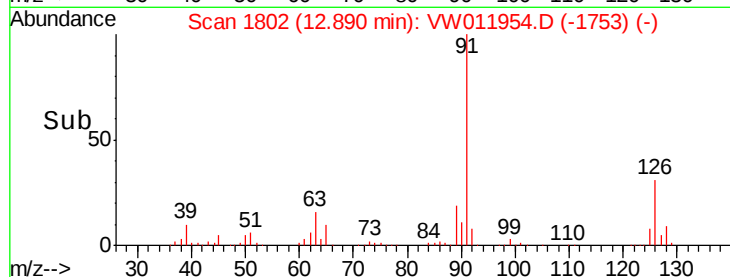
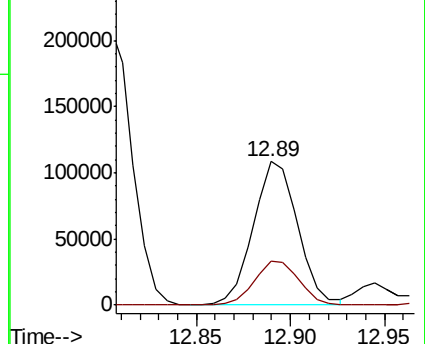
91 100

126 30.9 15.7 47.1



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: 23.026 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011954.D

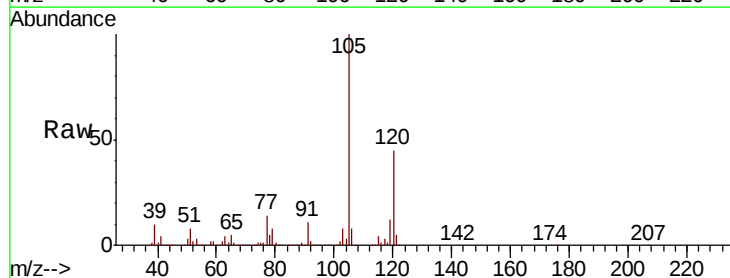
Acq: 16 Aug 2019 10:34

Tgt Ion: 105 Resp: 216692

Ion Ratio Lower Upper

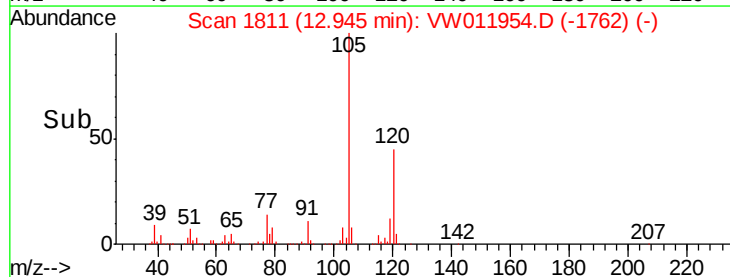
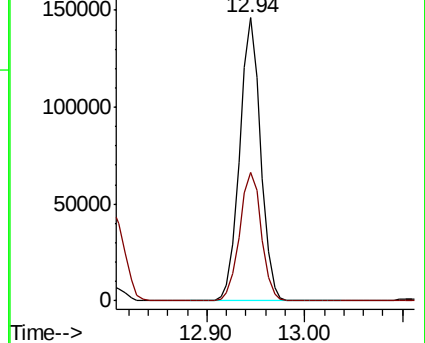
105 100

120 47.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.761 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

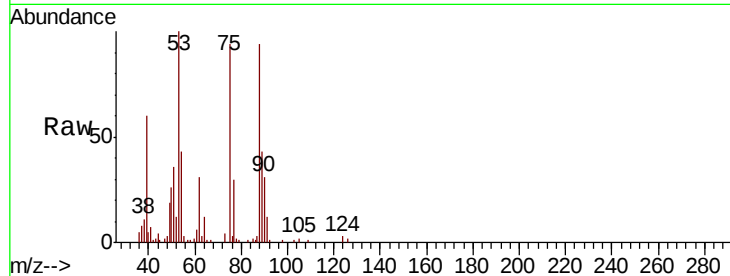
Tgt Ion: 75 Resp: 15035

Ion Ratio Lower Upper

75 100

53 110.4 88.0 132.0

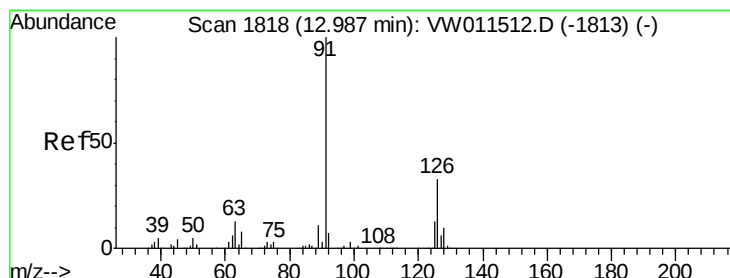
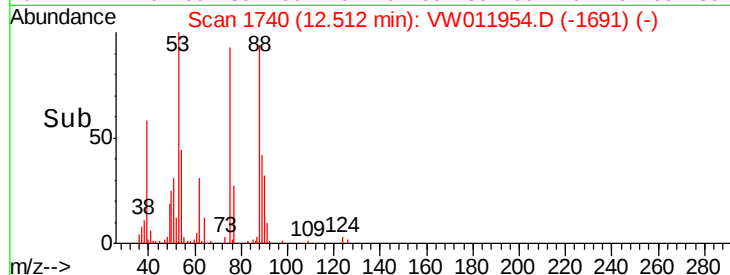
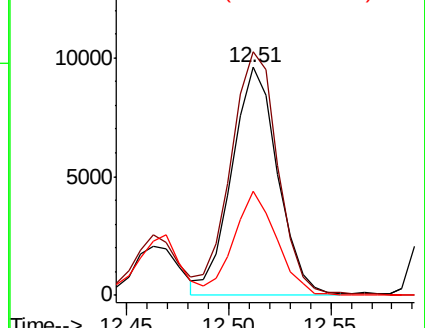
89 42.3 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 22.132 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011954.D

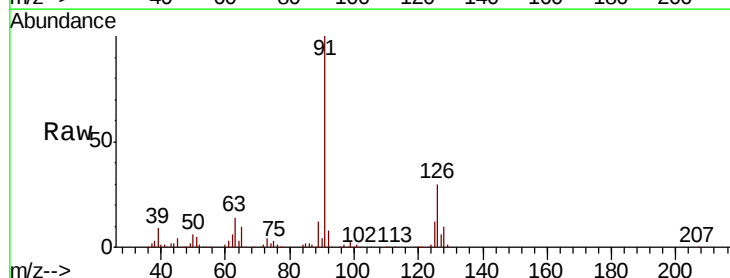
Acq: 16 Aug 2019 10:34

Tgt Ion: 91 Resp: 182778

Ion Ratio Lower Upper

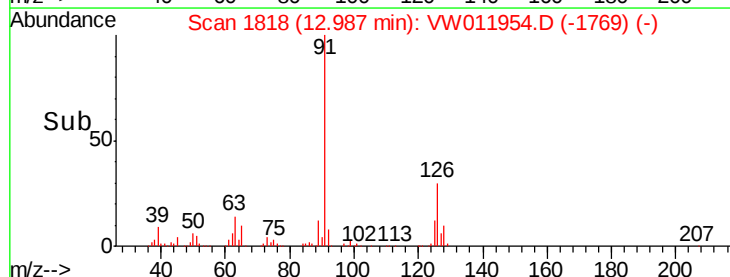
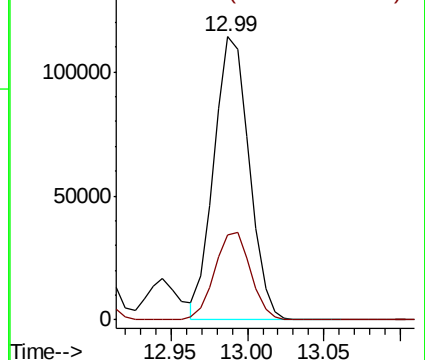
91 100

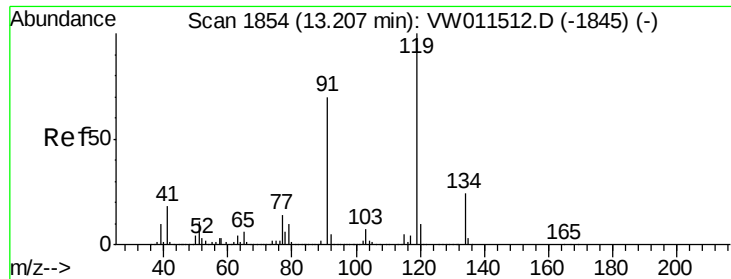
126 31.7 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

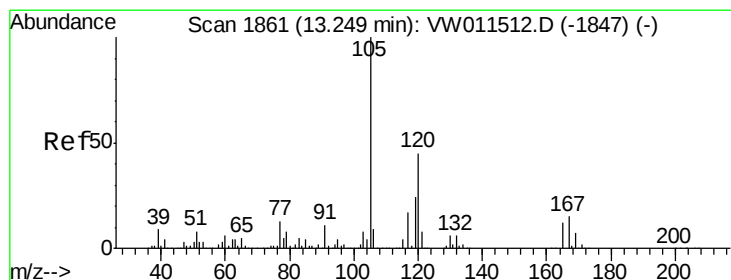
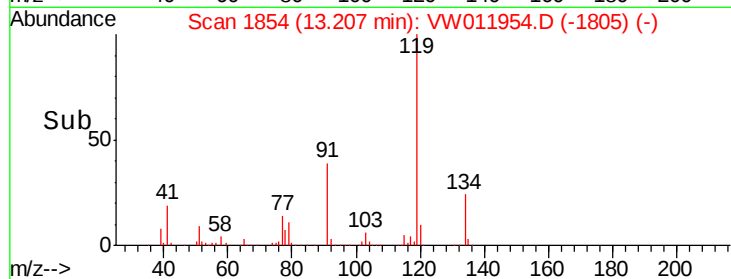
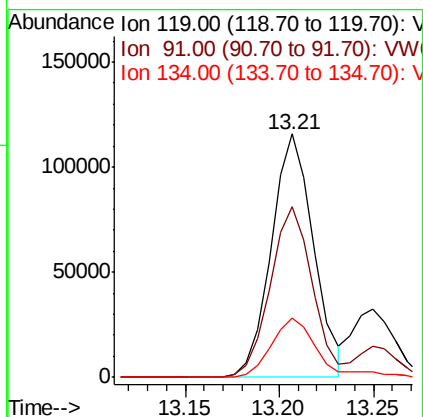
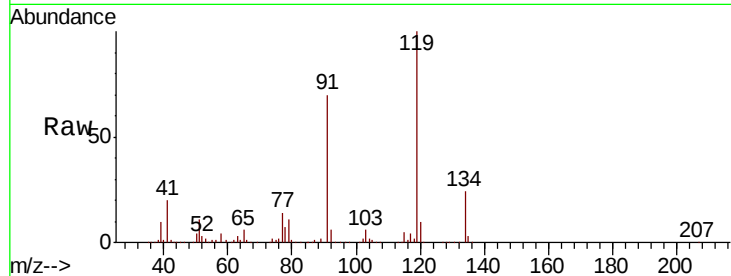




#83
 tert-Butylbenzene
 Concen: 22.864 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

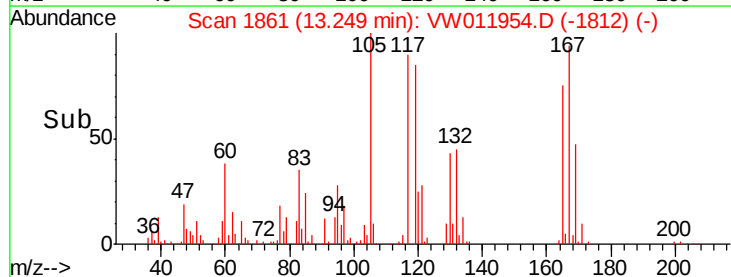
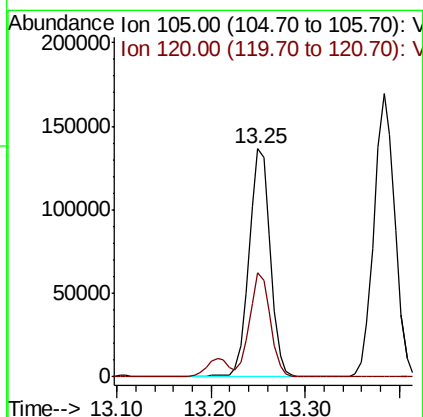
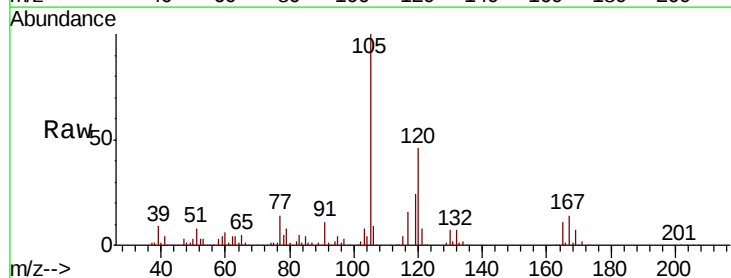
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

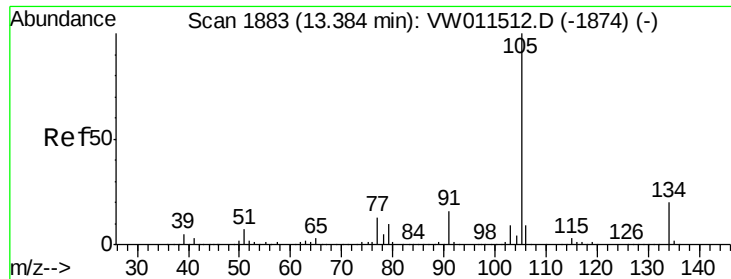
Tgt Ion:119 Resp: 179930
 Ion Ratio Lower Upper
 119 100
 91 69.4 34.5 103.6
 134 26.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.801 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion:105 Resp: 216154
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

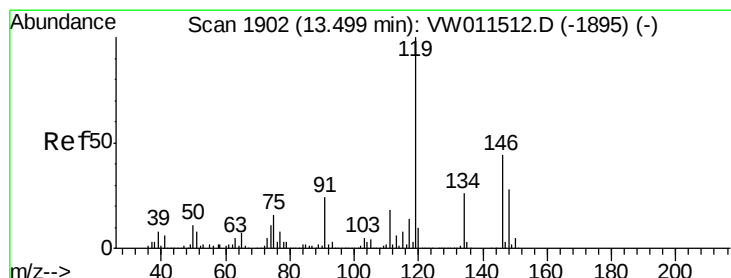
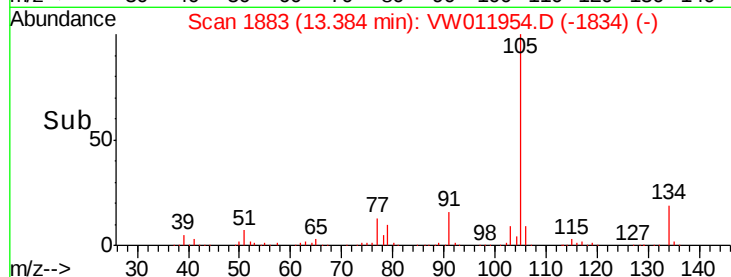
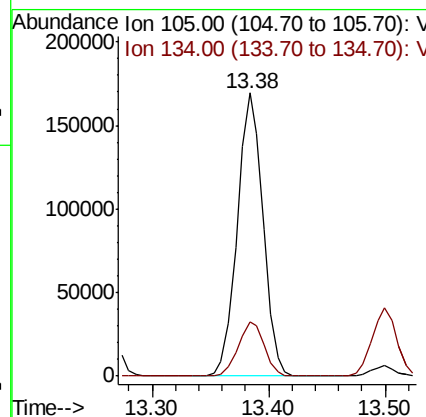
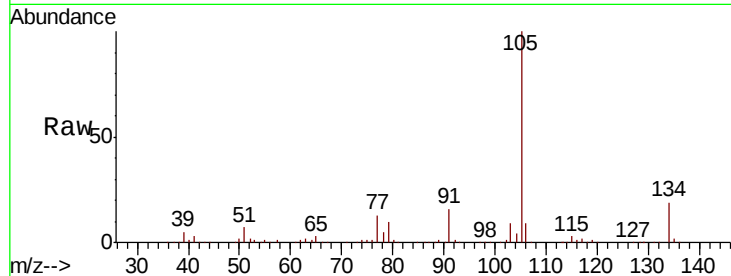




#85
 sec-Butylbenzene
 Concen: 23.186 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

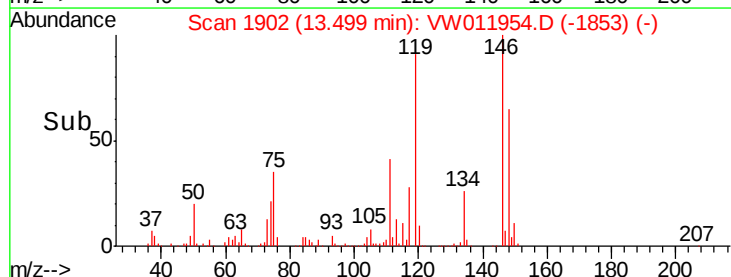
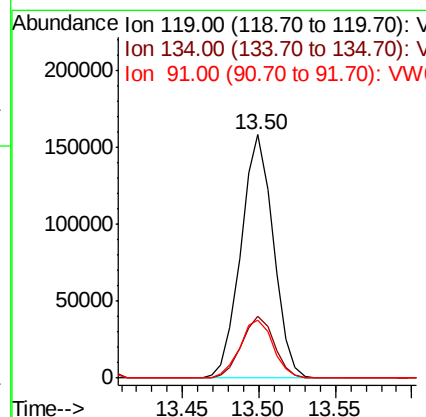
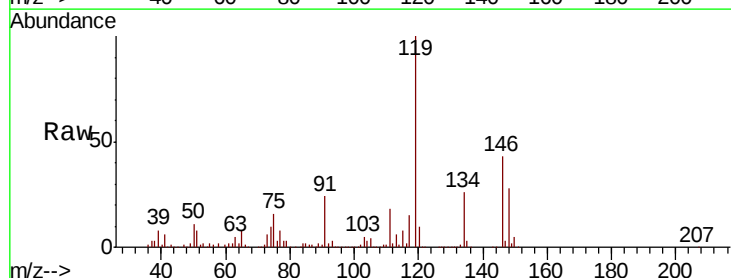
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

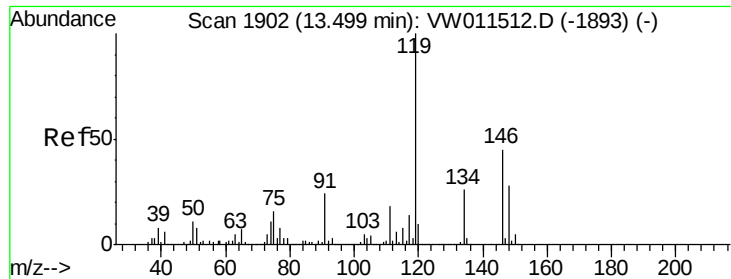
Tgt Ion:105 Resp: 260358
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.840 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion:119 Resp: 232702
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.926 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

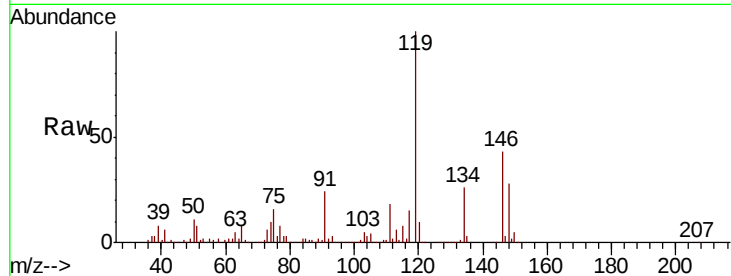
Tgt Ion:146 Resp: 106680

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

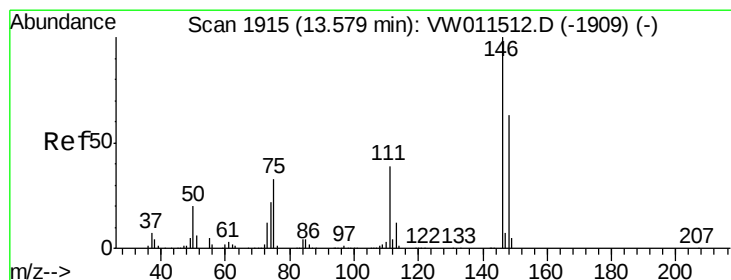
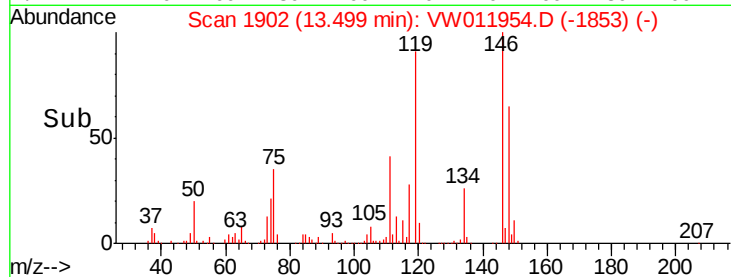
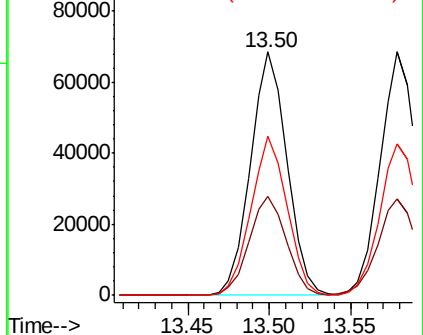
148 64.7 31.8 95.3



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: 22.133 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

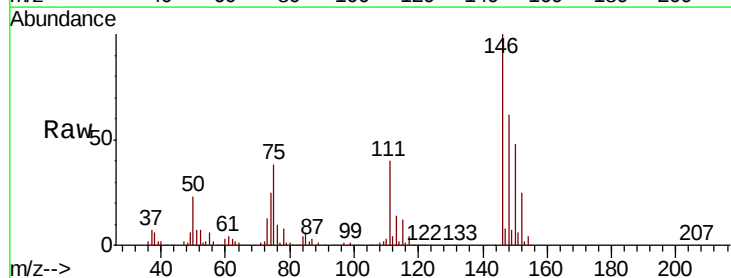
Tgt Ion:146 Resp: 107126

Ion Ratio Lower Upper

146 100

111 41.5 20.1 60.2

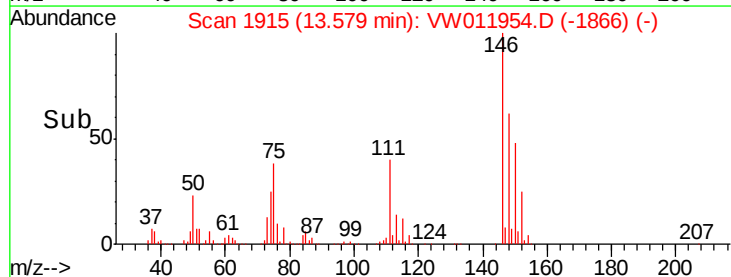
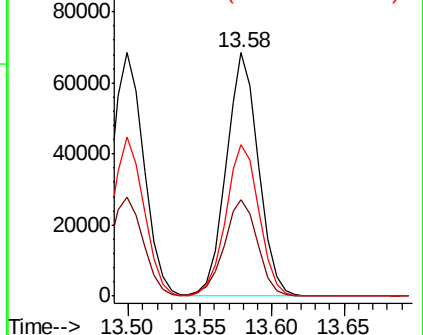
148 64.3 31.9 95.9

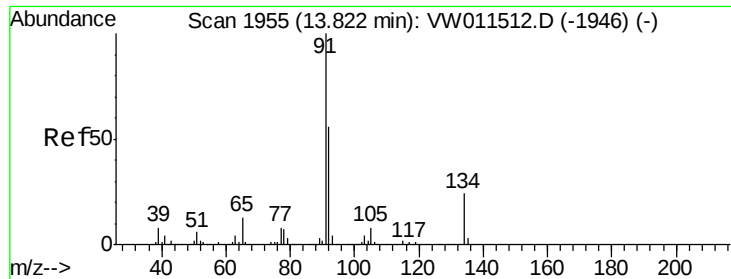


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.744 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

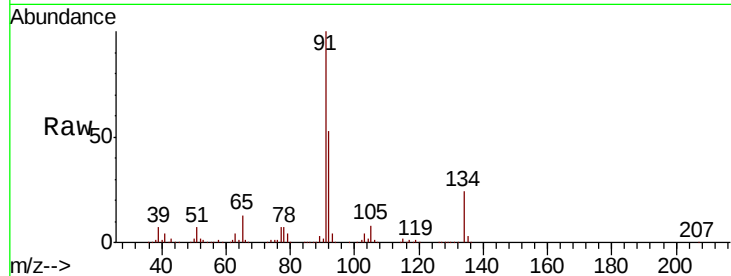
Tgt Ion: 91 Resp: 231247

Ion Ratio Lower Upper

91 100

92 53.9 27.5 82.4

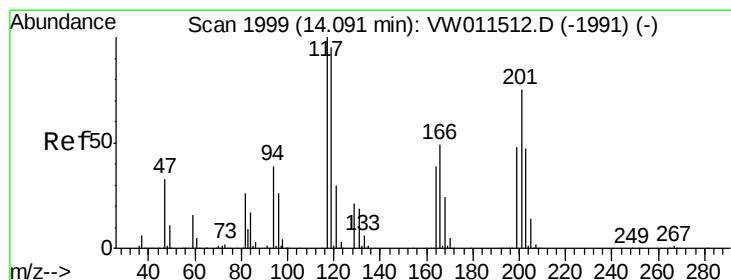
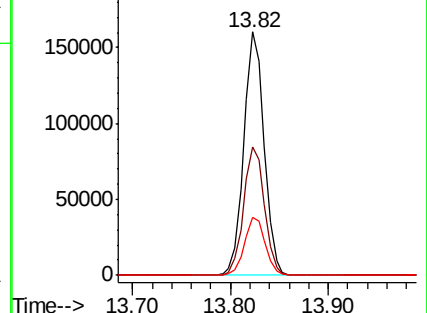
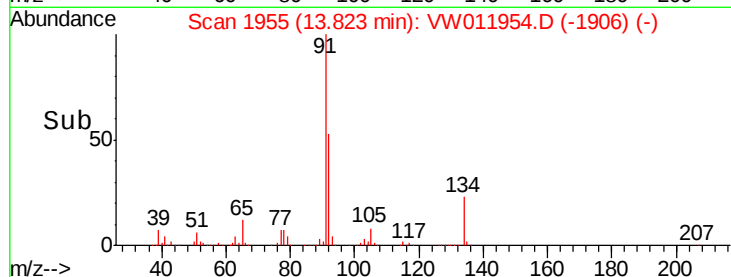
134 24.2 12.2 36.6



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: 22.261 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011954.D

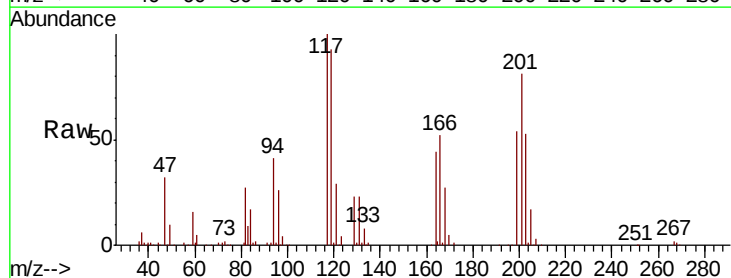
Acq: 16 Aug 2019 10:34

Tgt Ion: 117 Resp: 40105

Ion Ratio Lower Upper

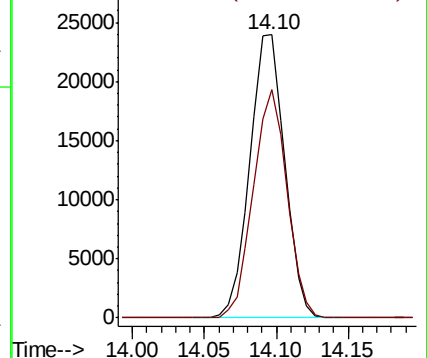
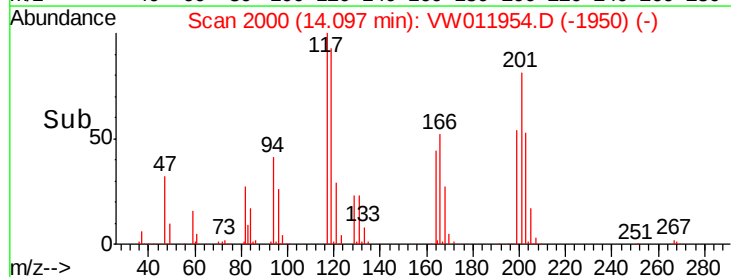
117 100

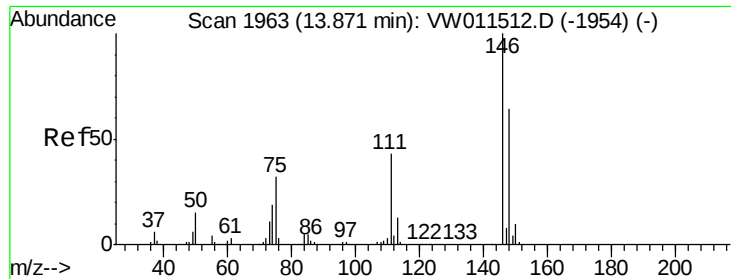
201 78.0 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.093 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

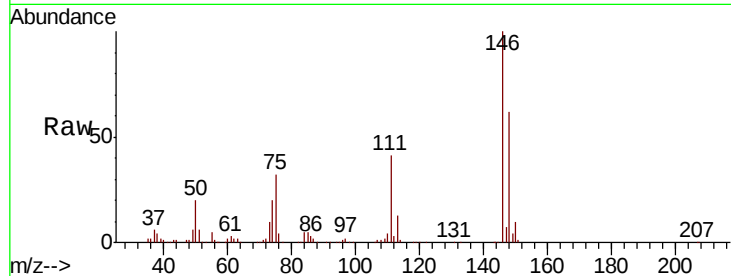
Tgt Ion:146 Resp: 95073

Ion Ratio Lower Upper

146 100

111 42.9 21.6 65.0

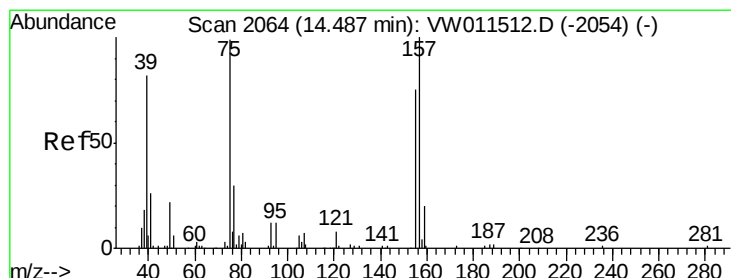
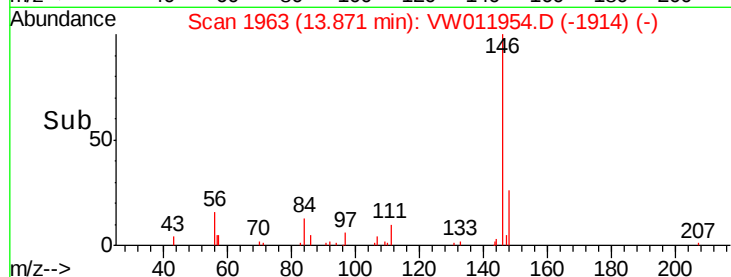
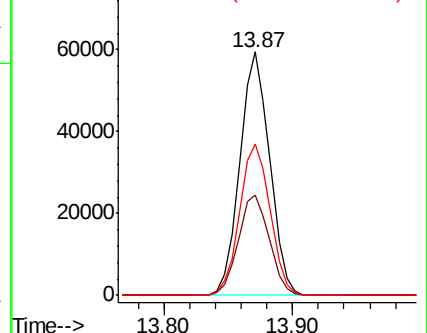
148 63.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.591 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011954.D

Acq: 16 Aug 2019 10:34

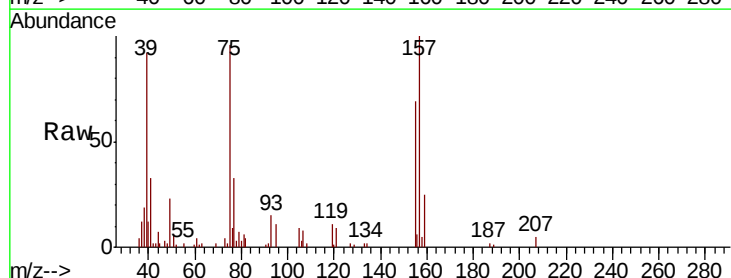
Tgt Ion: 75 Resp: 7415

Ion Ratio Lower Upper

75 100

155 73.6 38.2 114.6

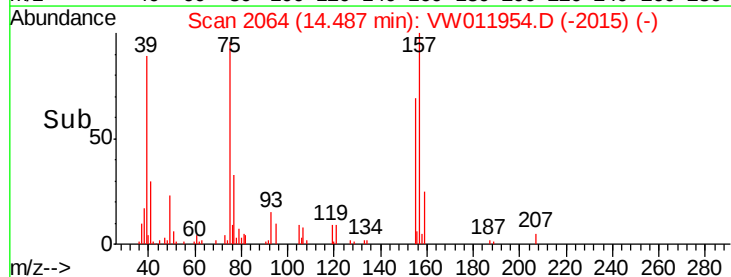
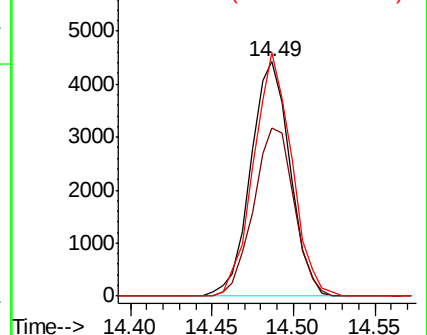
157 100.5 48.9 146.7

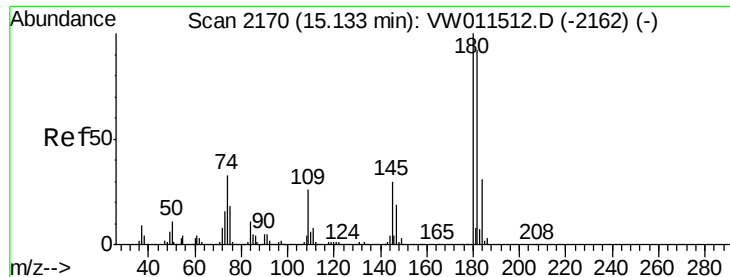


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

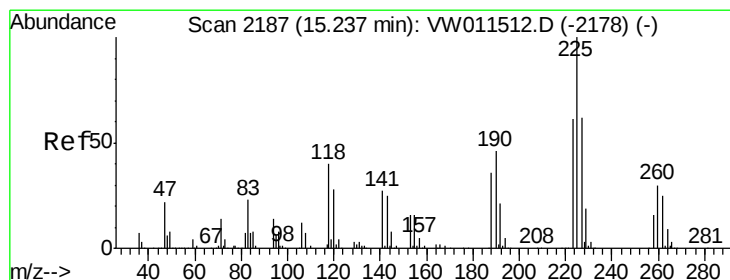
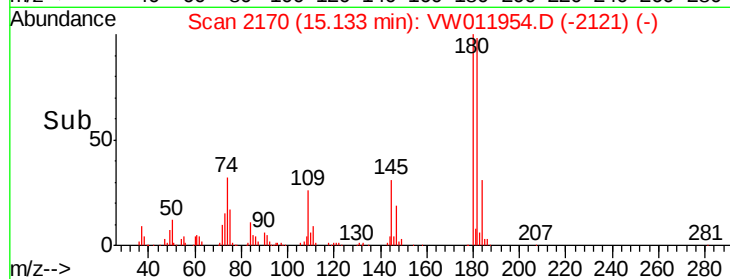
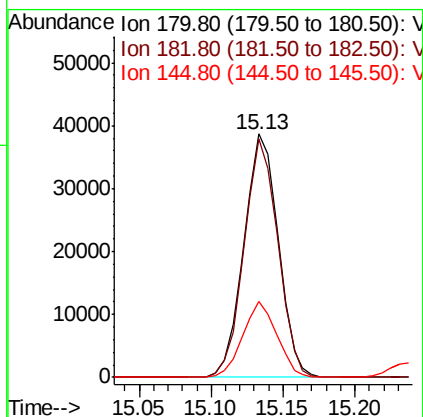
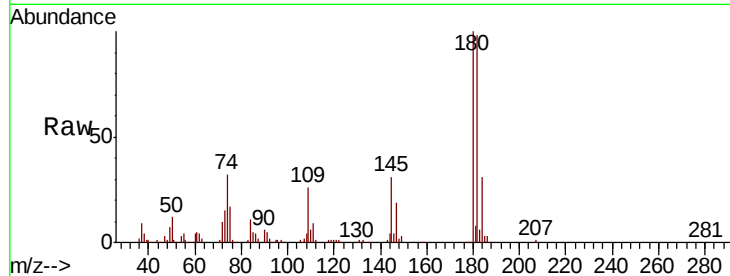




#93
 1,2,4-Trichlorobenzene
 Concen: 21.088 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

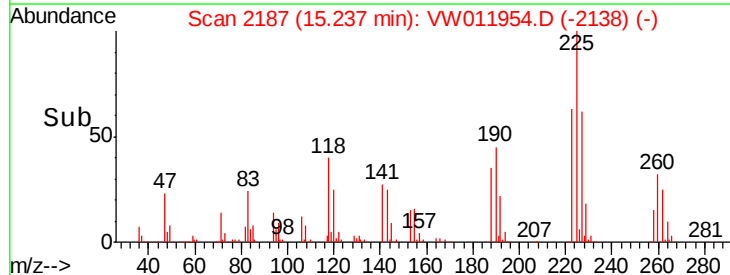
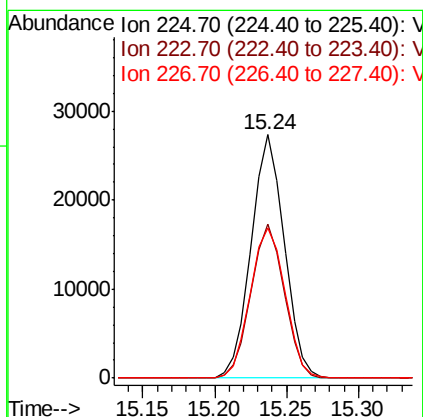
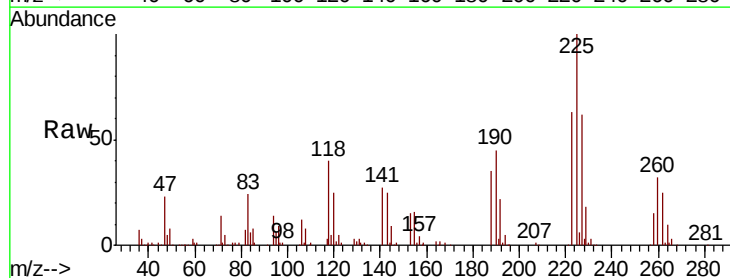
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

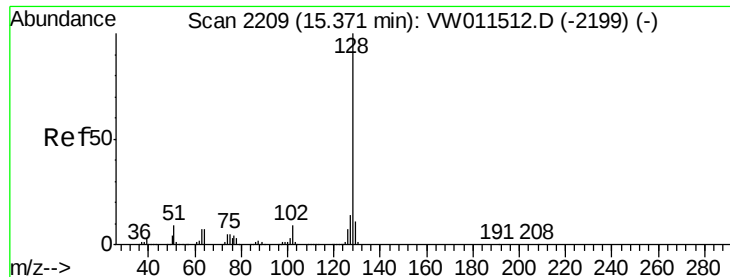
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	31.0	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 22.959 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011954.D
 Acq: 16 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.3
227	64.8	31.6	94.7

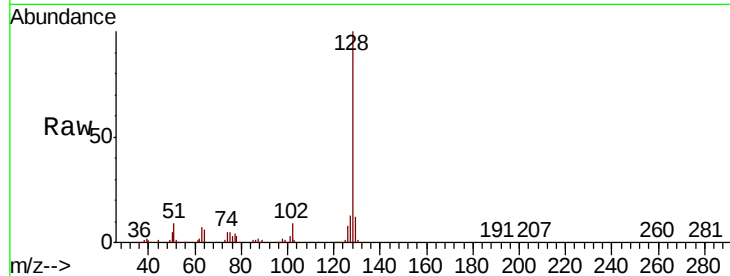




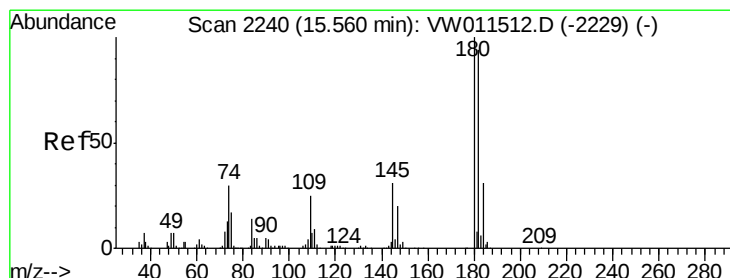
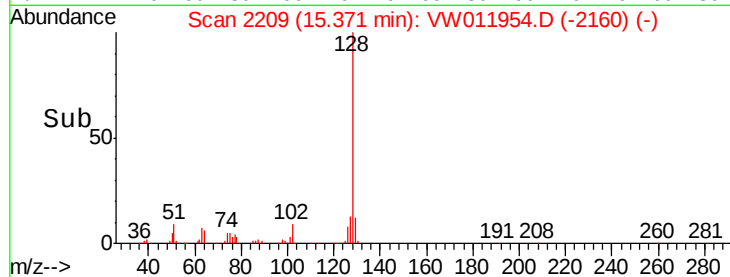
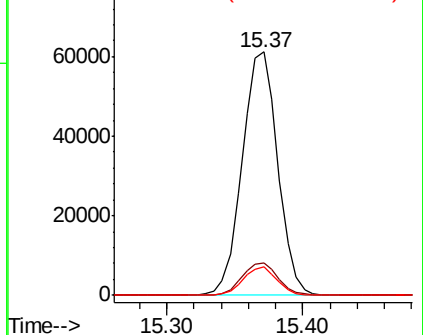
#95
Naphthalene
Concen: 20.121 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

Tgt Ion:128 Resp: 111885
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.2 8.6 13.0

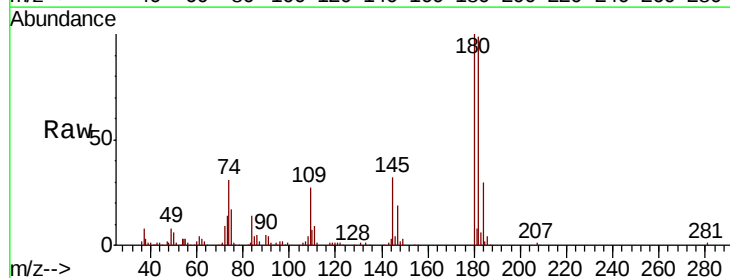


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.167 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011954.D
Acq: 16 Aug 2019 10:34

Tgt Ion:180 Resp: 56271
Ion Ratio Lower Upper
180 100
182 95.0 47.4 142.2
145 31.7 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

