

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009124.D
 Acq On : 12 Mar 2019 15:20
 Operator : SY/VA
 Sample : VW0312SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Quant Time: Mar 13 01:52:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	182099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	231462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98073	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	67057	36.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.20%	
35) Dibromofluoromethane	7.88	113	66373	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.32	98	316550	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
62) 4-Bromofluorobenzene	12.62	95	99857	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	49974	27.231	ug/l	96
3) Chloromethane	2.21	50	53857	23.101	ug/l	97
4) Vinyl Chloride	2.35	62	54905	23.206	ug/l	97
5) Bromomethane	2.78	94	35940	17.996	ug/l	99
6) Chloroethane	2.92	64	34305	20.367	ug/l	91
7) Trichlorofluoromethane	3.26	101	76639	25.158	ug/l	89
8) Diethyl Ether	3.68	74	12896	13.845	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46889	24.714	ug/l	99
10) Methyl Iodide	4.27	142	33245	18.311	ug/l	97
11) Tert butyl alcohol	5.18	59	7335	52.246	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	37852	23.129	ug/l	82
13) Acrolein	3.90	56	7258	46.980	ug/l	90
14) Allyl chloride	4.67	41	53055	18.378	ug/l	94
15) Acrylonitrile	5.37	53	21550	53.009	ug/l	97
16) Acetone	4.14	43	23787	57.536	ug/l	98
17) Carbon Disulfide	4.38	76	118139	21.455	ug/l	99
18) Methyl Acetate	4.68	43	10997	11.567	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	54166	12.512	ug/l	94
20) Methylene Chloride	4.92	84	34301	13.697	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	38520	20.384	ug/l	92
22) Diisopropyl ether	6.31	45	86114	15.010	ug/l	96
23) Vinyl Acetate	6.26	43	211222	59.165	ug/l	100
24) 1,1-Dichloroethane	6.21	63	63411	19.056	ug/l	99
25) 2-Butanone	7.18	43	30744	53.808	ug/l	96
26) 2,2-Dichloropropane	7.17	77	66117	21.859	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	35299	17.393	ug/l	94
28) Bromochloromethane	7.51	49	18878	13.639	ug/l	98
29) Tetrahydrofuran	7.53	42	18013	50.028	ug/l	96
30) Chloroform	7.67	83	61795	18.038	ug/l	93
31) Cyclohexane	7.95	56	77137	22.576	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	68746	21.744	ug/l	98
36) 1,1-Dichloropropene	8.08	75	61198	25.286	ug/l	99
37) Ethyl Acetate	7.26	43	12449	10.951	ug/l #	79
38) Carbon Tetrachloride	8.07	117	65161	26.070	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74095	25.704	ug/l	95
40) Benzene	8.32	78	137234	21.242	ug/l	98
41) Methacrylonitrile	7.48	41	6915	10.954	ug/l	94
42) 1,2-Dichloroethane	8.40	62	34403	16.494	ug/l	97
43) Isopropyl Acetate	8.43	43	26440	12.488	ug/l	96
44) Trichloroethene	9.09	130	42002	23.196	ug/l	85
45) 1,2-Dichloropropane	9.37	63	30404	18.790	ug/l #	85
46) Dibromomethane	9.46	93	13494	15.270	ug/l	97
47) Bromodichloromethane	9.64	83	40279	18.006	ug/l #	98
48) Methyl methacrylate	9.43	41	13102	13.290	ug/l	95
49) 1,4-Dioxane	9.46	88	3299	260.697	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	66069	61.467	ug/l	99
52) Toluene	10.39	92	97321	22.212	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	32929	14.883	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	41361	16.268	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	18473	15.423	ug/l	86
56) Ethyl methacrylate	10.65	69	18787	12.638	ug/l	95
57) 1,3-Dichloropropane	10.93	76	31396	14.797	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	46293	60.072	ug/l	98
59) 2-Hexanone	10.97	43	45671	60.434	ug/l	97
60) Dibromochloromethane	11.13	129	21178	14.287	ug/l	93
61) 1,2-Dibromoethane	11.23	107	16544	14.090	ug/l	97
64) Tetrachloroethene	10.86	164	39581	27.443	ug/l	96
65) Chlorobenzene	11.66	112	94782	21.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	29931	20.592	ug/l	99
67) Ethyl Benzene	11.73	91	187775	23.877	ug/l	99
68) m/p-Xylenes	11.84	106	144811	46.651	ug/l	99
69) o-Xylene	12.16	106	63620	22.027	ug/l	95
70) Styrene	12.18	104	91868	19.659	ug/l	98
71) Bromoform	12.35	173	12242	15.686	ug/l #	97
73) Isopropylbenzene	12.46	105	192611	27.425	ug/l	99
74) N-amyl acetate	12.27	43	24040	14.459	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	19743	17.821	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	27646	35.679	ug/l	37
77) Bromobenzene	12.75	156	35839	22.334	ug/l	95
78) n-propylbenzene	12.80	91	236417	27.329	ug/l	99
79) 2-Chlorotoluene	12.90	91	120627	24.819	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	152915	25.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5689	16.422	ug/l	99
82) 4-Chlorotoluene	12.99	91	122049	23.557	ug/l	99
83) tert-Butylbenzene	13.21	119	138571	27.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	142906	23.336	ug/l	97
85) sec-Butylbenzene	13.39	105	208441	27.554	ug/l	98
86) p-Isopropyltoluene	13.50	119	175410	25.920	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	76729	22.752	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	71808	21.546	ug/l	99
89) n-Butylbenzene	13.83	91	161186	25.055	ug/l	99
90) Hexachloroethane	14.10	117	30779	26.371	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	61481	20.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3092	15.671	ug/l	99

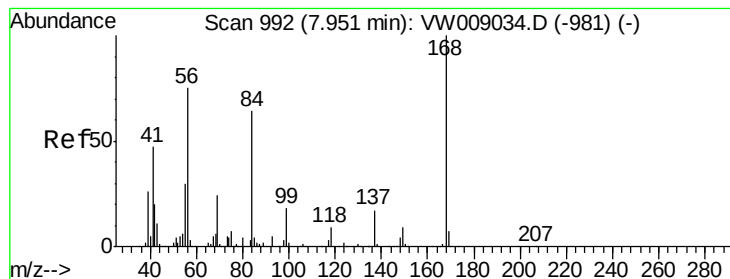
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33948	16.894	ug/l	98
94) Hexachlorobutadiene	15.24	225	32820	26.076	ug/l	99
95) Naphthalene	15.37	128	39454	11.995	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	26759	15.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

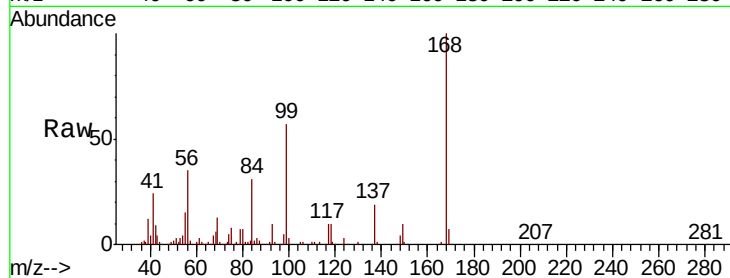
VW0312SBSD01

Tgt Ion:168 Resp: 182099

Ion Ratio Lower Upper

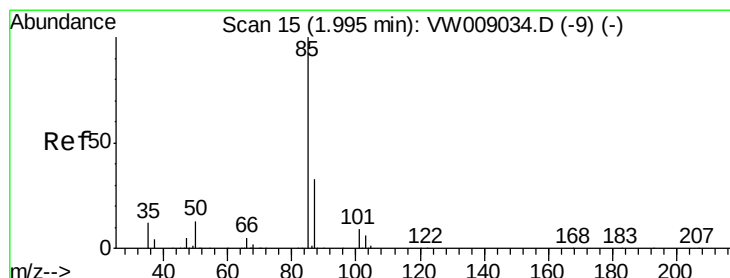
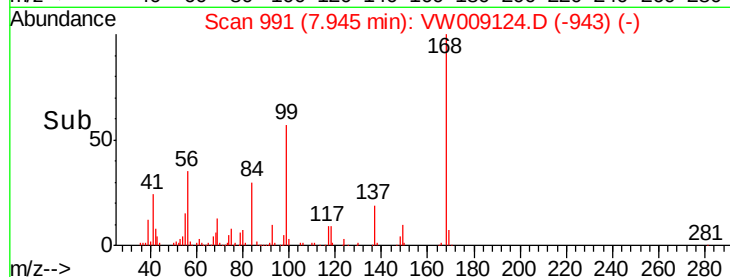
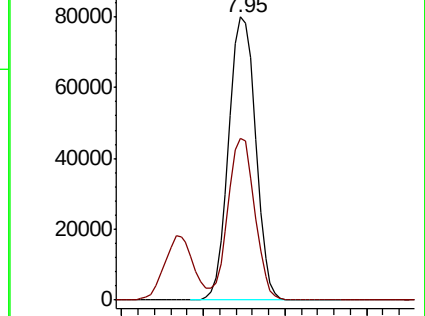
168 100

99 57.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 27.231 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009124.D

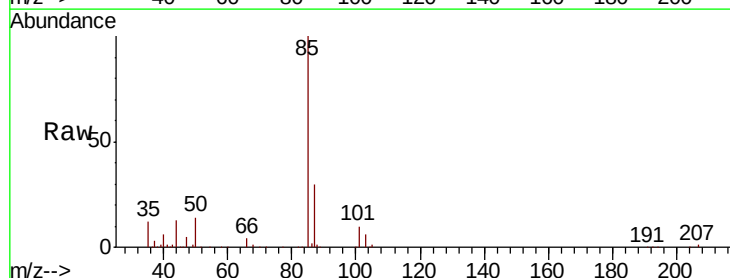
Acq: 12 Mar 2019 15:20

Tgt Ion: 85 Resp: 49974

Ion Ratio Lower Upper

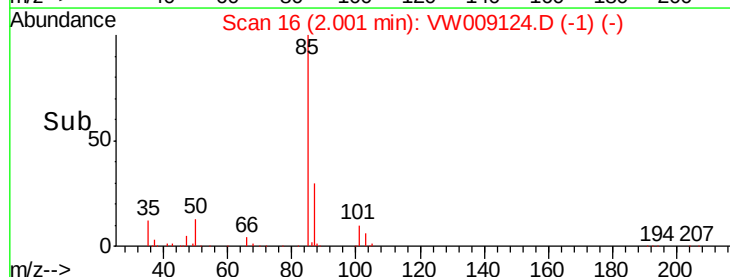
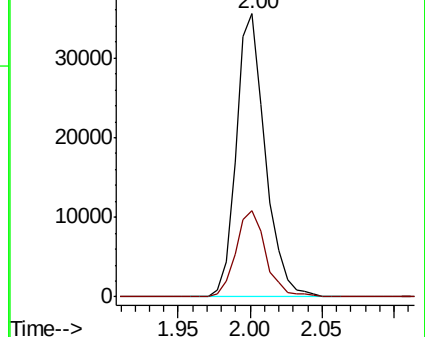
85 100

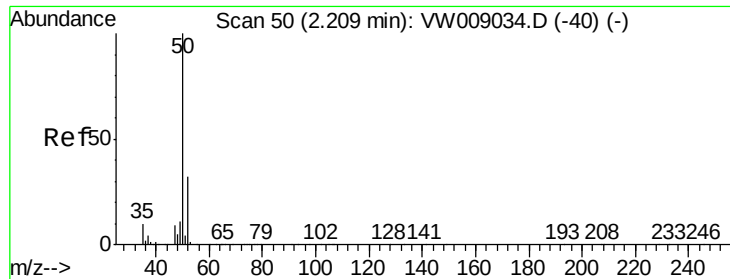
87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 23.101 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

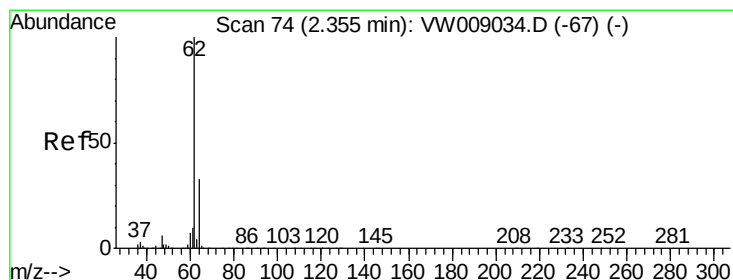
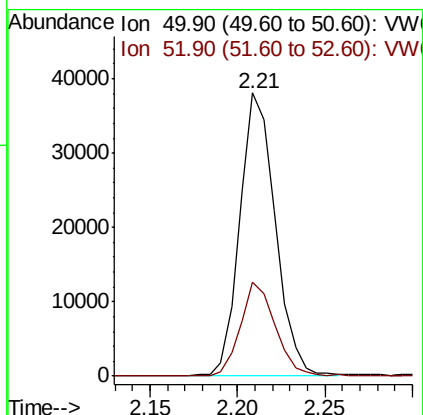
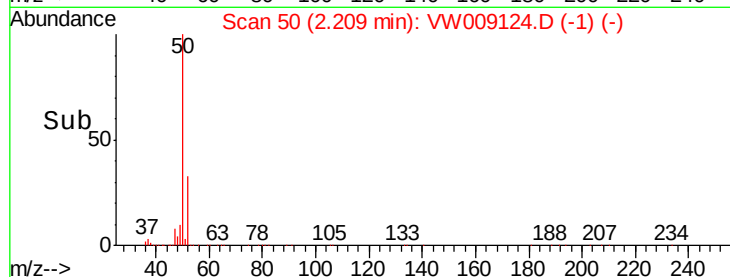
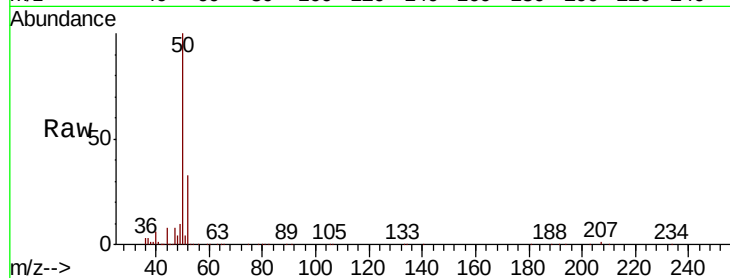
VW0312SBSD01

Tgt Ion: 50 Resp: 53857

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 23.206 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009124.D

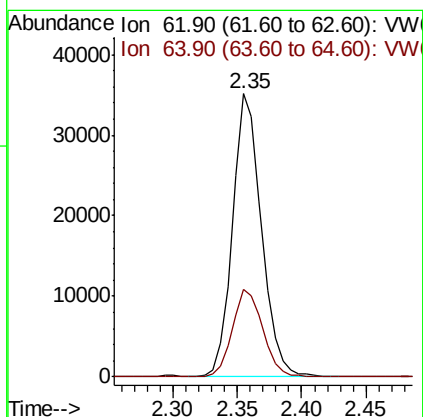
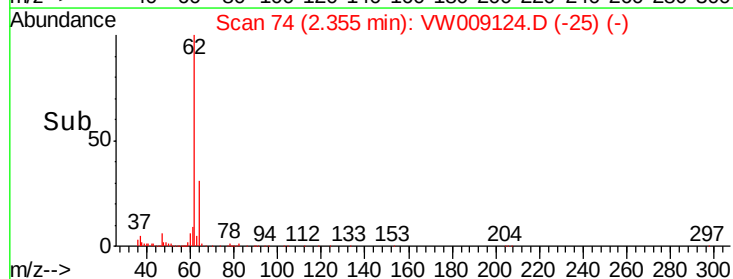
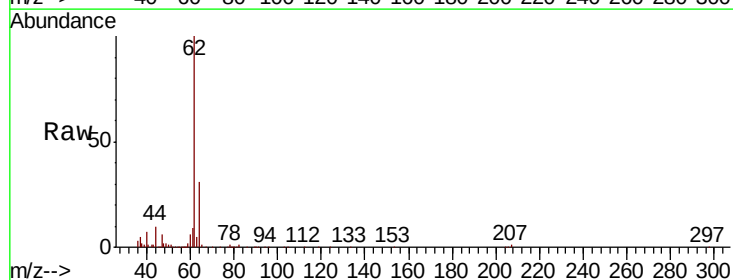
Acq: 12 Mar 2019 15:20

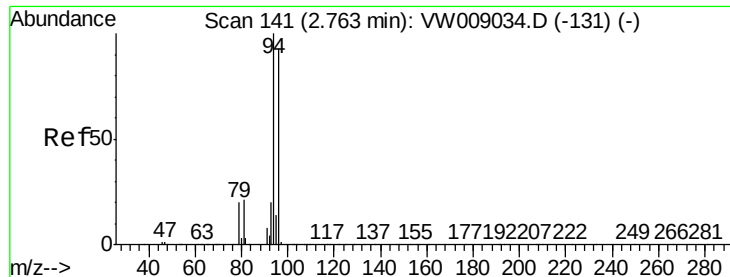
Tgt Ion: 62 Resp: 54905

Ion Ratio Lower Upper

62 100

64 31.0 26.0 39.0





#5

Bromomethane

Concen: 17.996 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

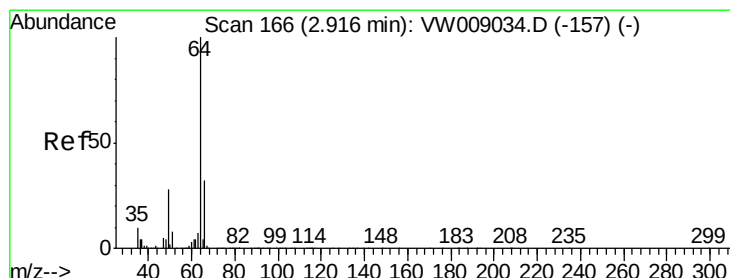
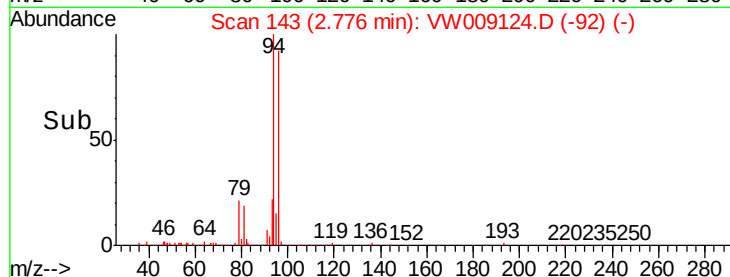
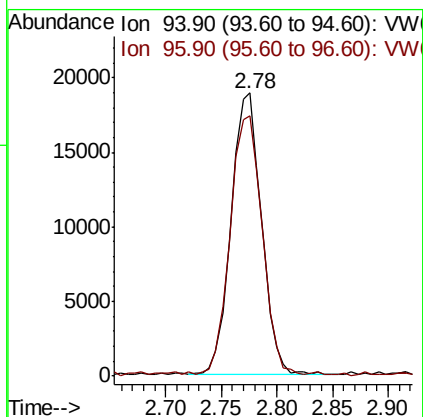
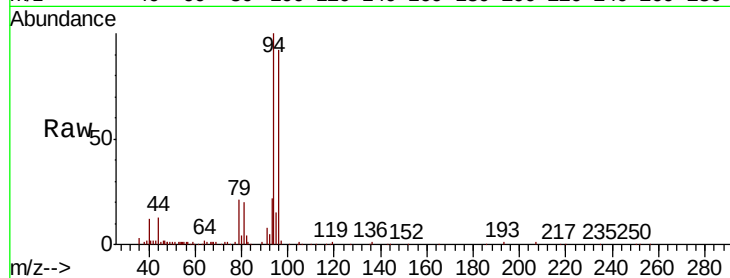
VW0312SBSD01

Tgt Ion: 94 Resp: 35940

Ion Ratio Lower Upper

94 100

96 91.8 74.4 111.6



#6

Chloroethane

Concen: 20.367 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW009124.D

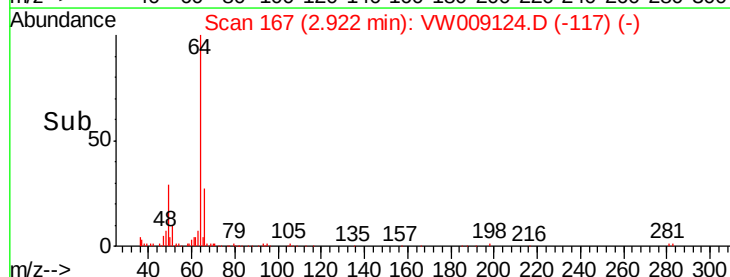
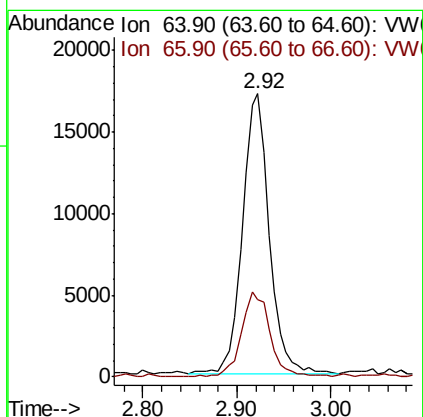
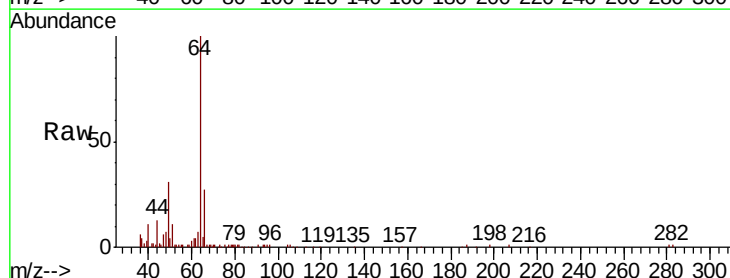
Acq: 12 Mar 2019 15:20

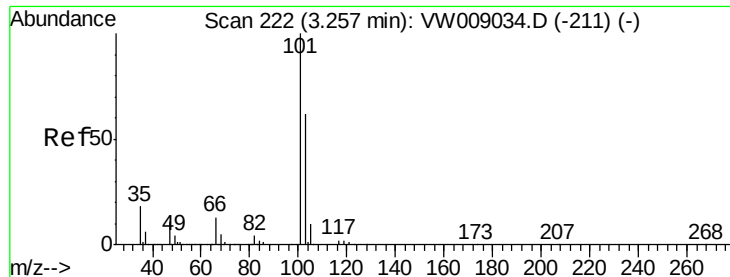
Tgt Ion: 64 Resp: 34305

Ion Ratio Lower Upper

64 100

66 27.2 25.5 38.3



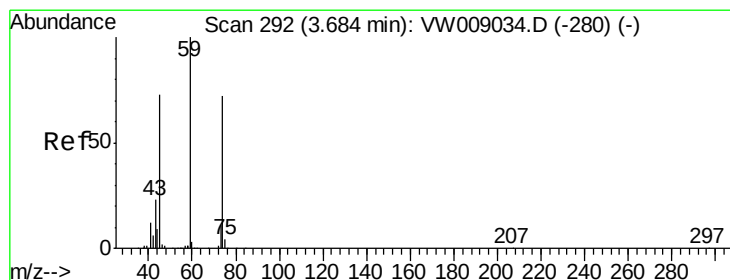
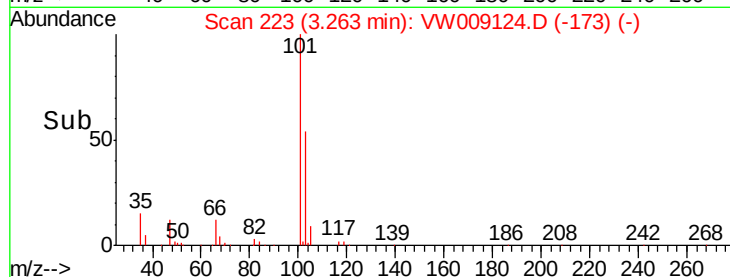
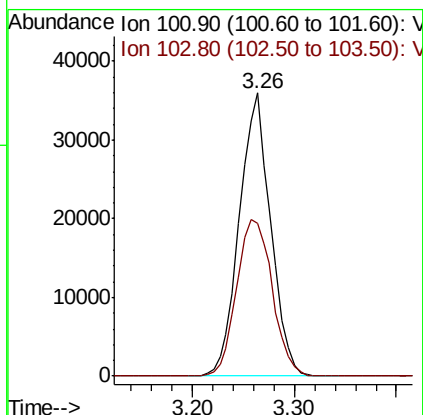
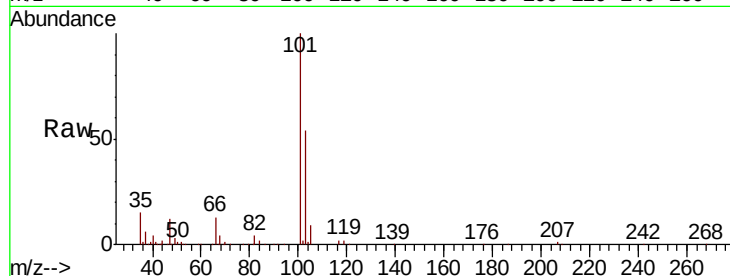


#7

Trichlorofluoromethane
 Concen: 25.158 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

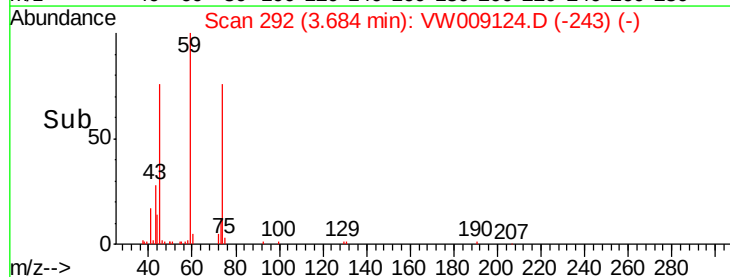
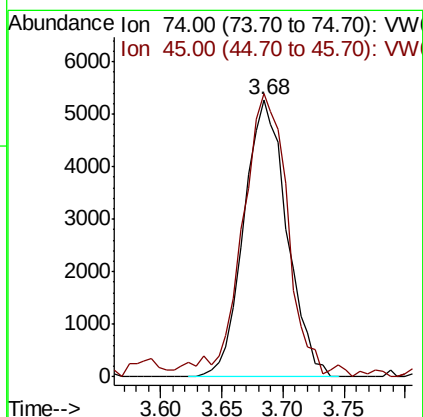
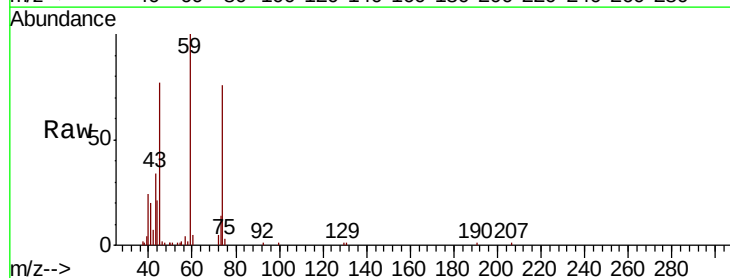
Tgt Ion:101 Resp: 76639
 Ion Ratio Lower Upper
 101 100
 103 53.9 49.9 74.9

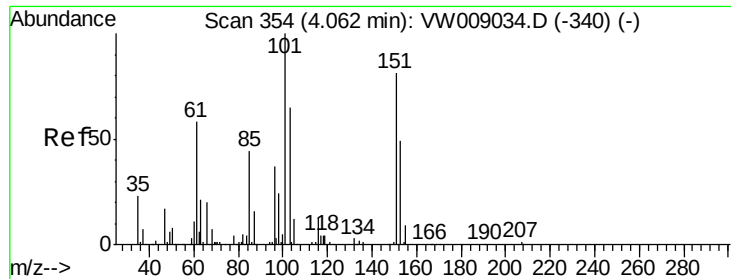


#8

Diethyl Ether
 Concen: 13.845 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 74 Resp: 12896
 Ion Ratio Lower Upper
 74 100
 45 102.8 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.714 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

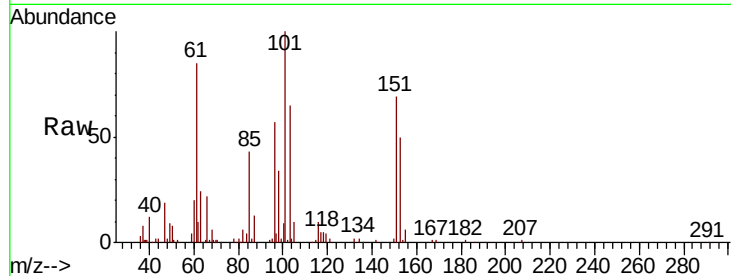
Tgt Ion:101 Resp: 46889

Ion Ratio Lower Upper

101 100

85 46.4 36.2 54.4

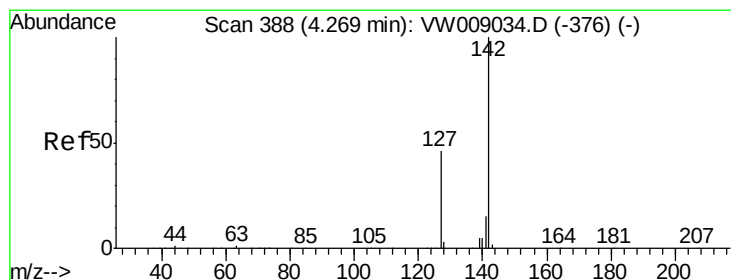
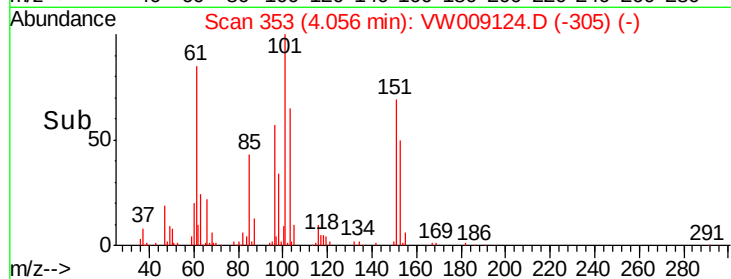
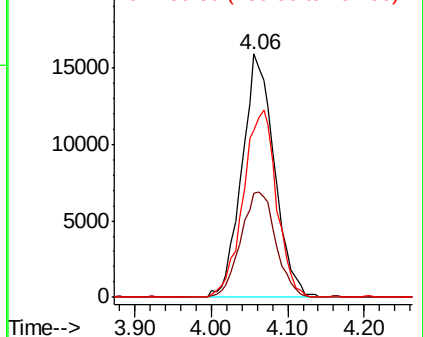
151 79.1 63.4 95.2



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: 18.311 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

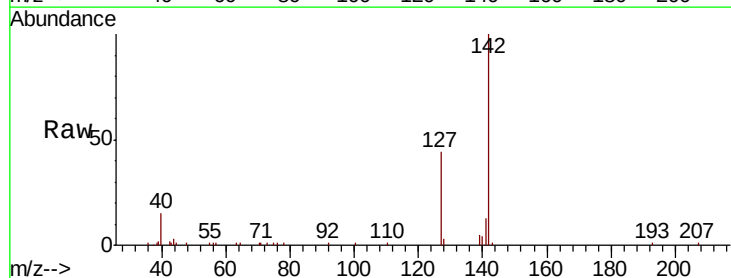
Tgt Ion:142 Resp: 33245

Ion Ratio Lower Upper

142 100

127 46.7 35.8 53.6

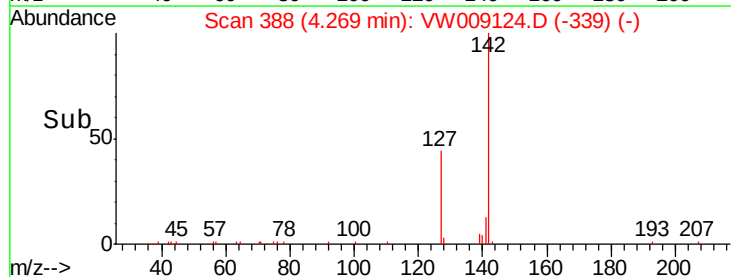
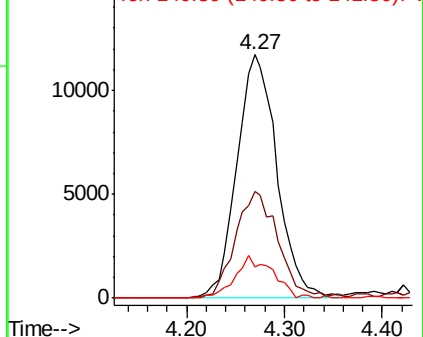
141 16.2 11.8 17.8

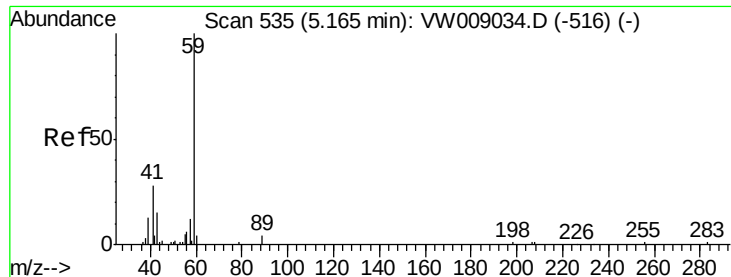


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



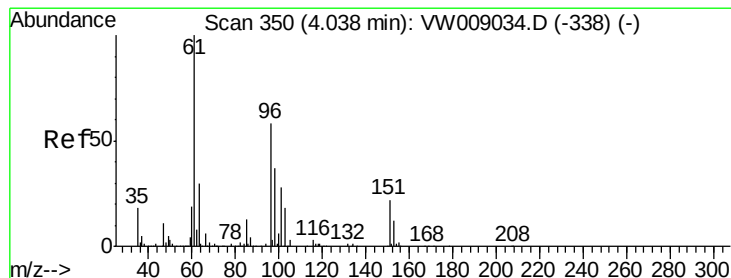
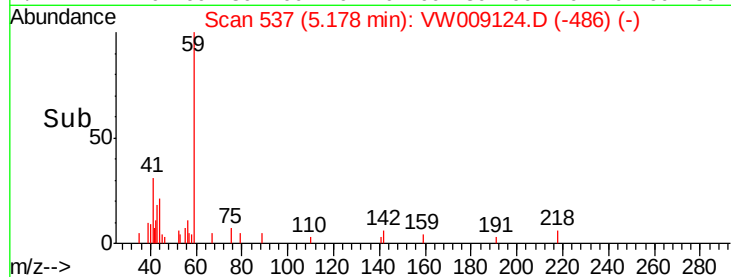
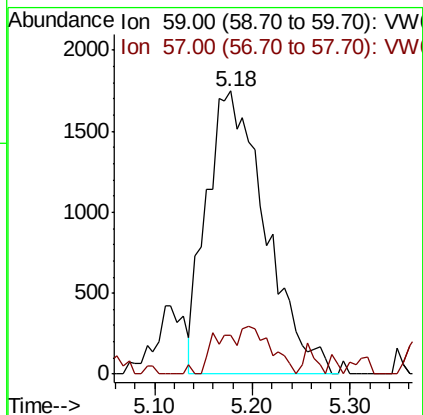
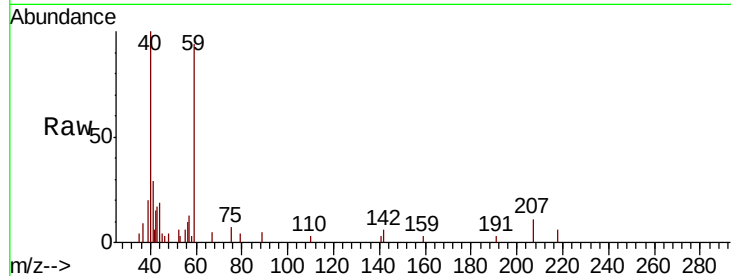


#11

Tert butyl alcohol
Concen: 52.246 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

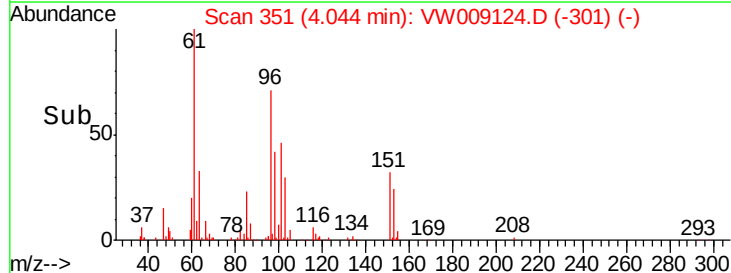
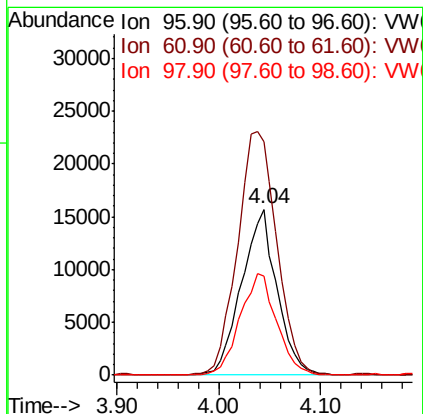
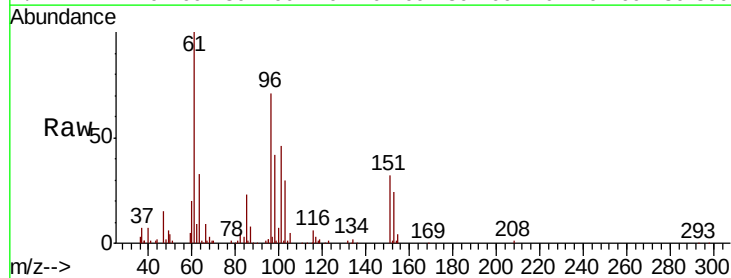
Tgt Ion: 59 Resp: 7335
Ion Ratio Lower Upper
59 100
57 14.6 8.6 12.8#

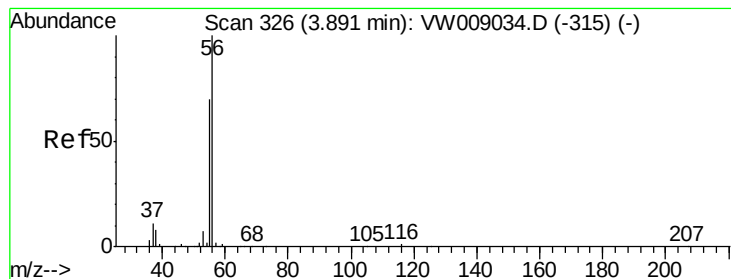


#12

1,1-Dichloroethene
Concen: 23.129 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 96 Resp: 37852
Ion Ratio Lower Upper
96 100
61 140.8 138.2 207.2
98 59.6 51.3 76.9





#13

Acrolein

Concen: 46.980 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

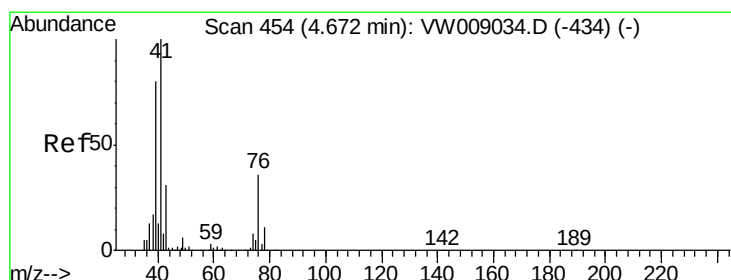
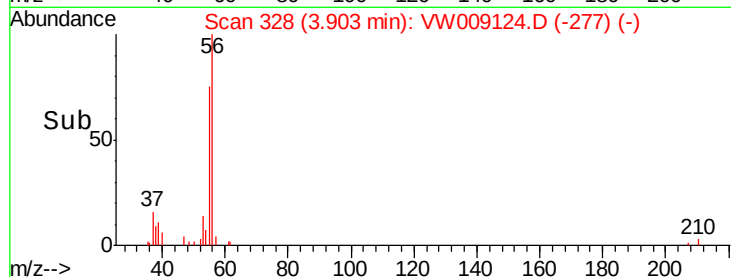
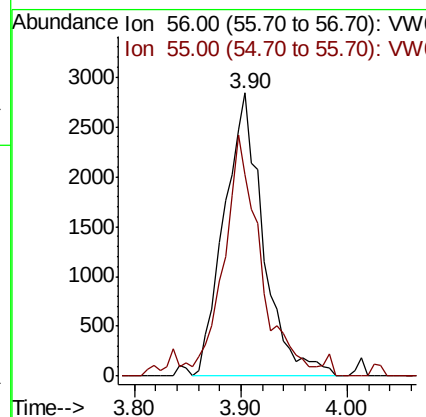
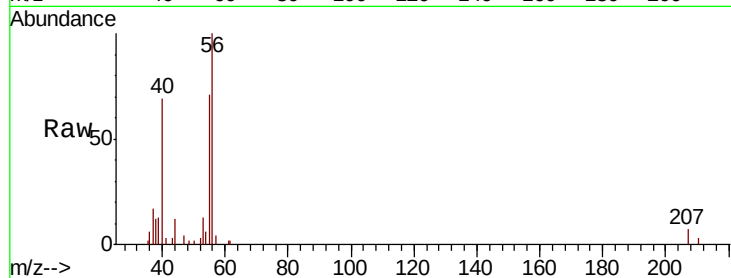
VW0312SBSD01

Tgt Ion: 56 Resp: 7258

Ion Ratio Lower Upper

56 100

55 79.2 56.6 84.8



#14

Allyl chloride

Concen: 18.378 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

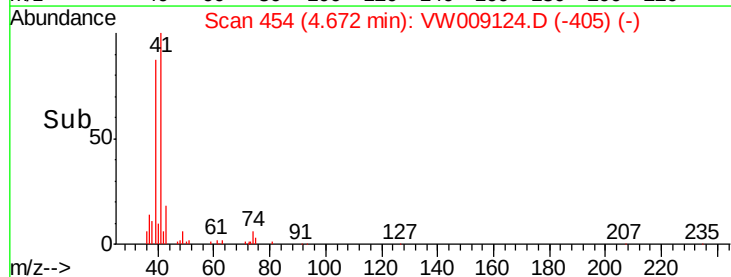
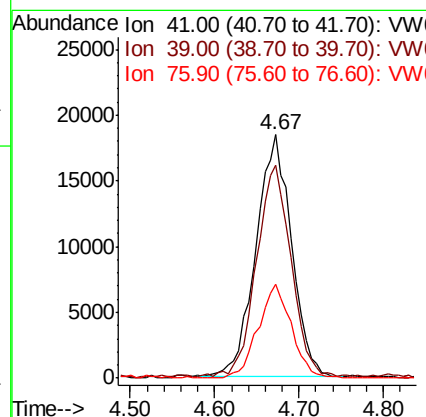
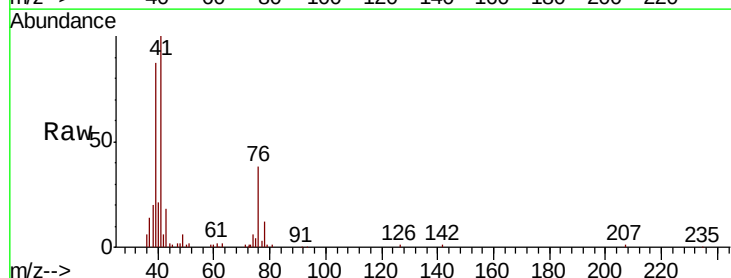
Tgt Ion: 41 Resp: 53055

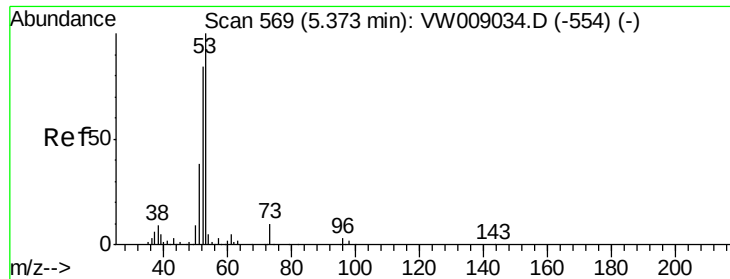
Ion Ratio Lower Upper

41 100

39 85.3 63.0 94.4

76 36.2 28.2 42.2





#15

Acrylonitrile

Concen: 53.009 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

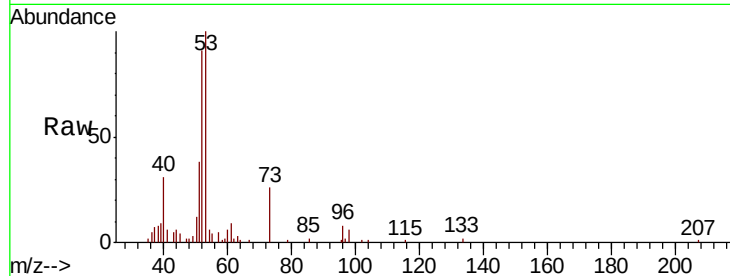
Tgt Ion: 53 Resp: 21550

Ion Ratio Lower Upper

53 100

52 82.3 67.2 100.8

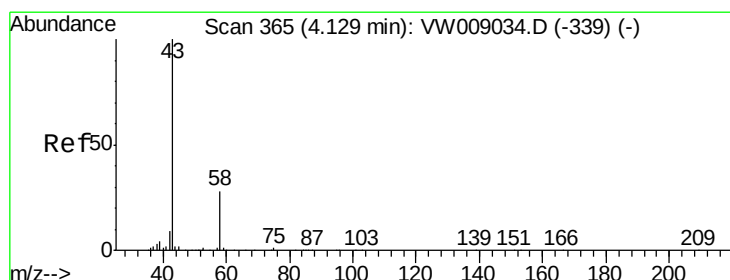
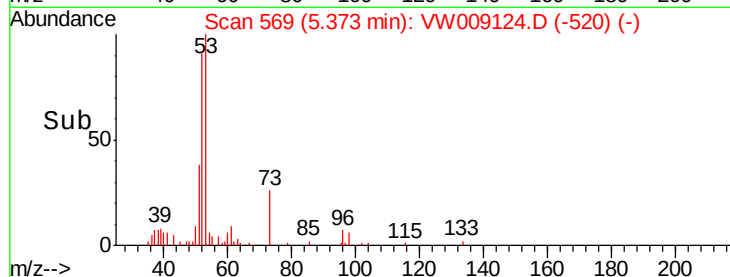
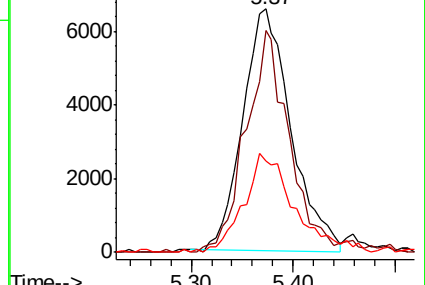
51 42.7 31.8 47.6



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 57.536 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009124.D

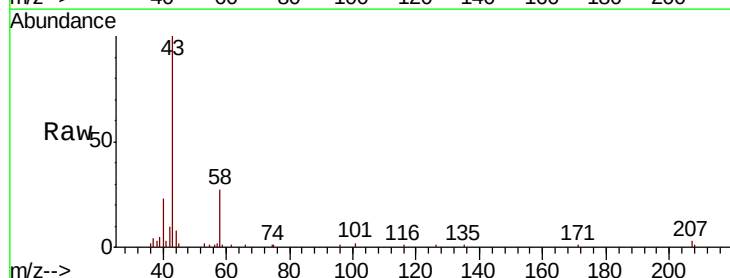
Acq: 12 Mar 2019 15:20

Tgt Ion: 43 Resp: 23787

Ion Ratio Lower Upper

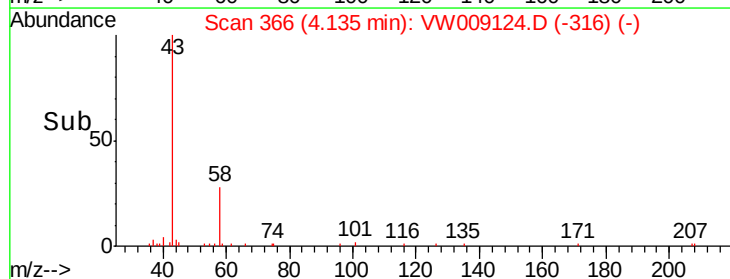
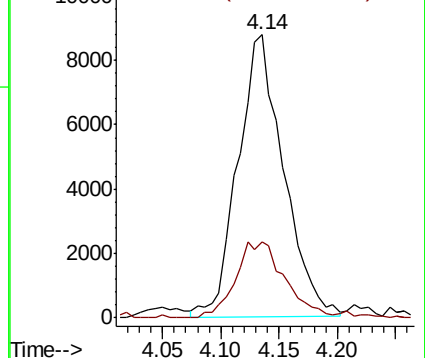
43 100

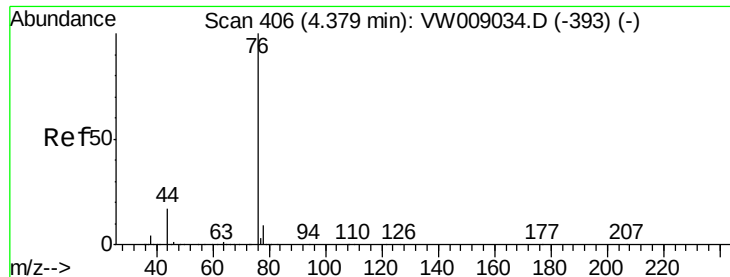
58 27.3 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

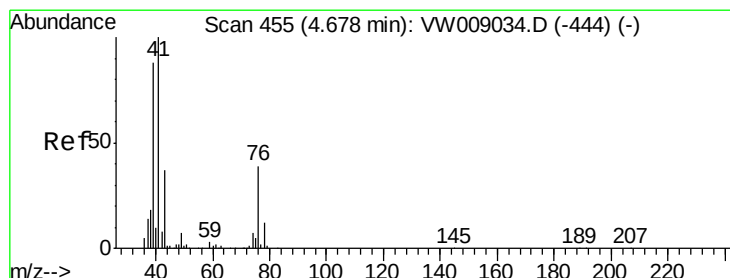
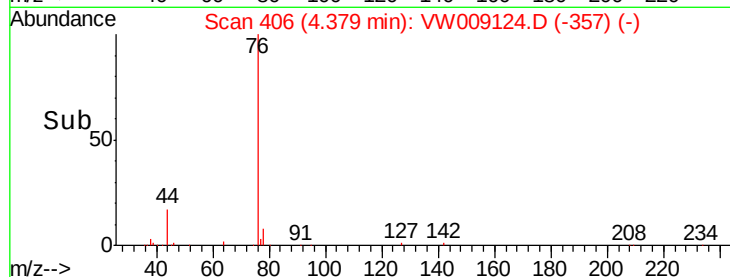
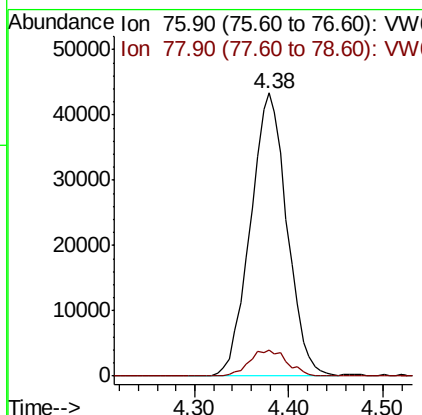
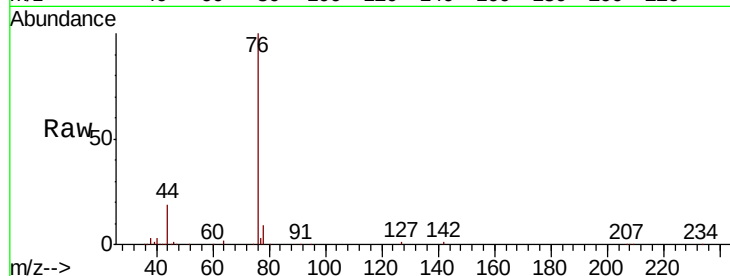




#17
Carbon Disulfide
Concen: 21.455 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

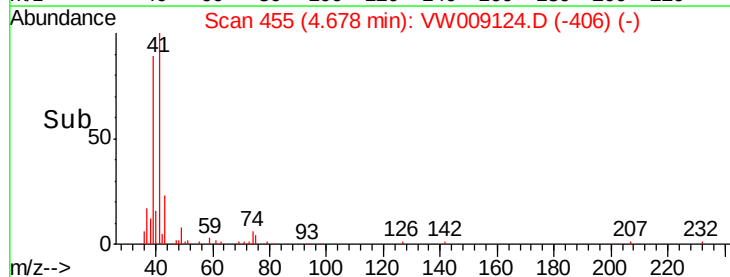
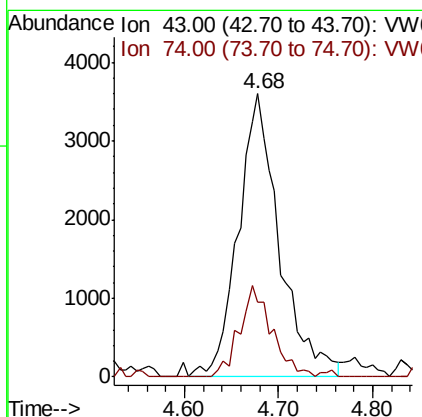
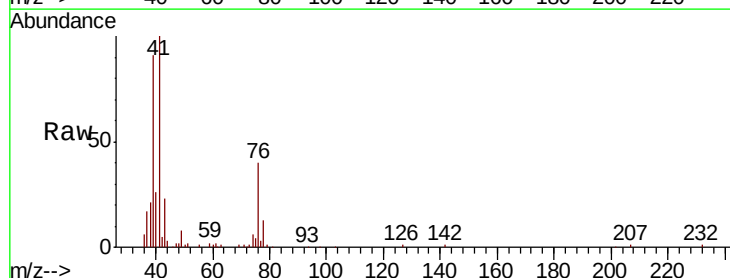
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

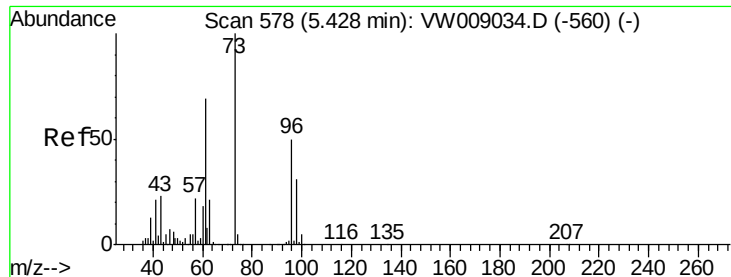
Tgt Ion: 76 Resp: 118139
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 11.567 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 43 Resp: 10997
Ion Ratio Lower Upper
43 100
74 25.2 17.6 26.4



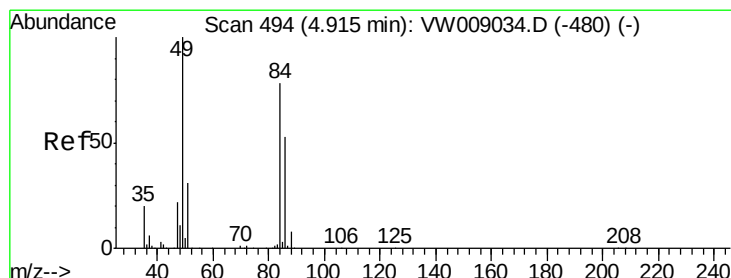
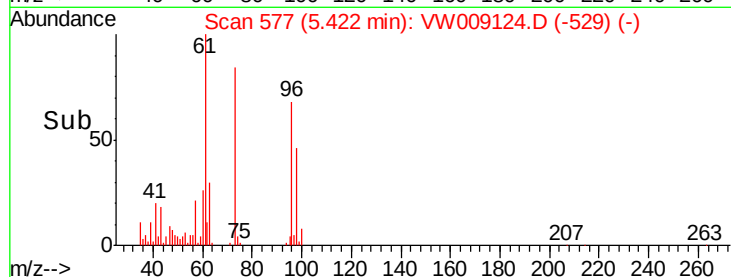
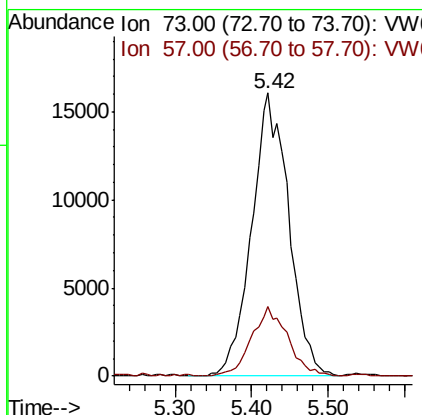
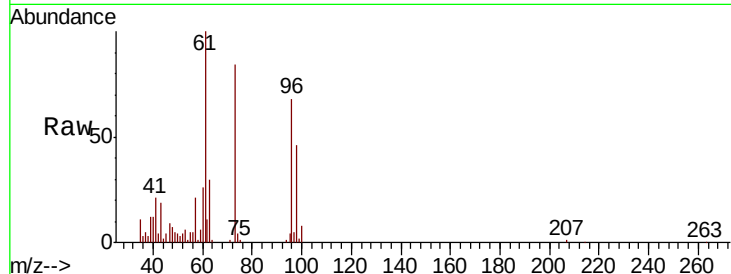


#19

Methyl tert-butyl Ether
 Concen: 12.512 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

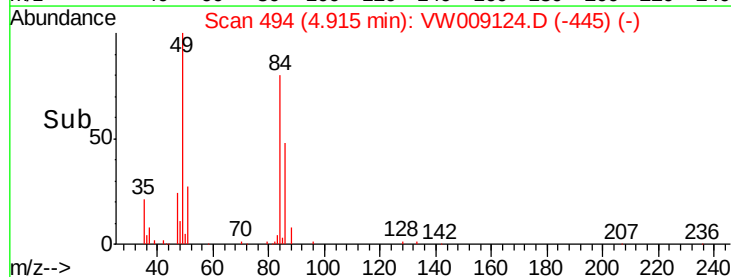
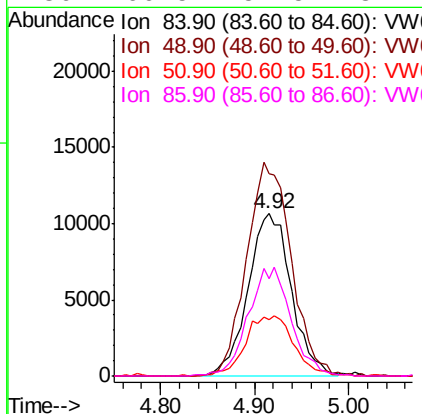
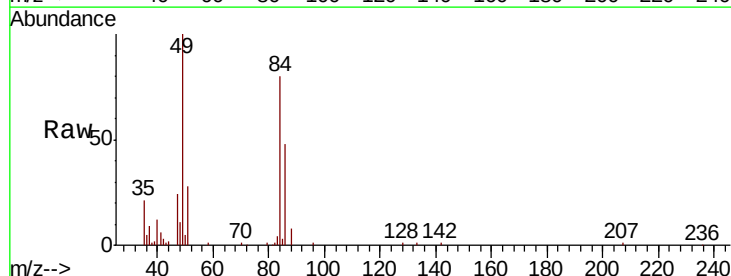
Tgt Ion: 73 Resp: 54166
 Ion Ratio Lower Upper
 73 100
 57 24.4 17.3 25.9

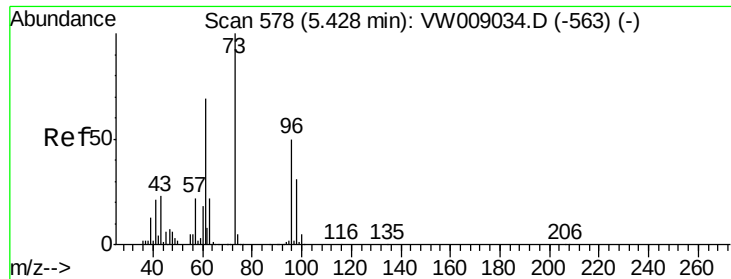


#20

Methylene Chloride
 Concen: 13.697 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 84 Resp: 34301
 Ion Ratio Lower Upper
 84 100
 49 124.9 102.4 153.6
 51 35.2 31.6 47.4
 86 60.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.384 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

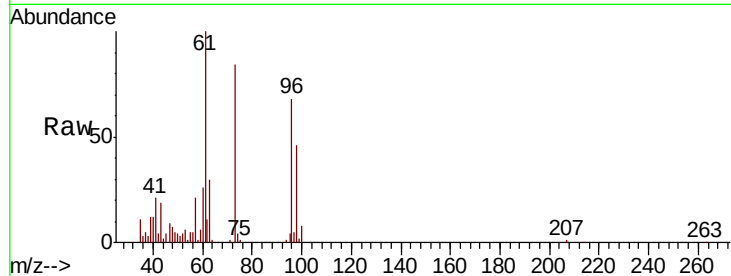
Tgt Ion: 96 Resp: 38520

Ion Ratio Lower Upper

96 100

61 148.3 111.0 166.6

98 68.3 49.4 74.0

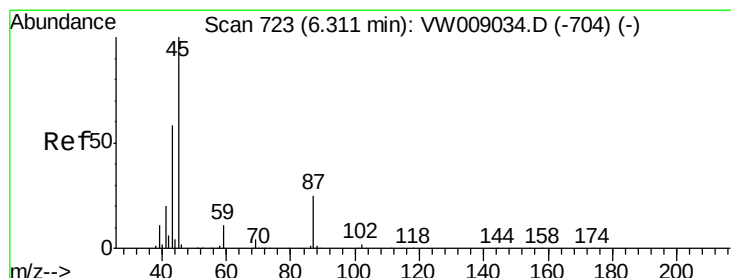
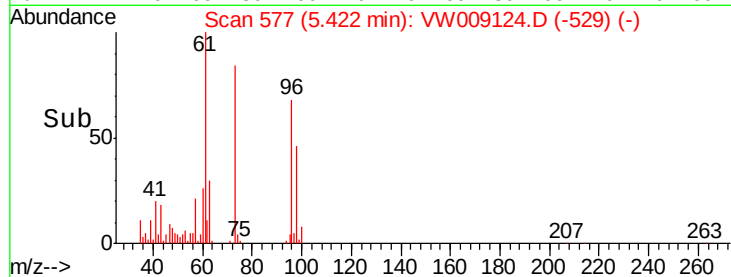
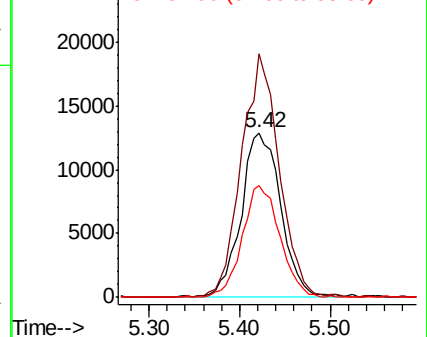


Abundance

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



#22

Diisopropyl ether

Concen: 15.010 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion: 45 Resp: 86114

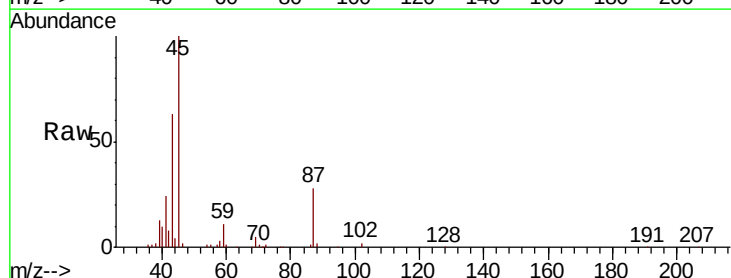
Ion Ratio Lower Upper

45 100

43 60.5 46.2 69.4

87 27.7 20.1 30.1

59 10.7 8.4 12.6



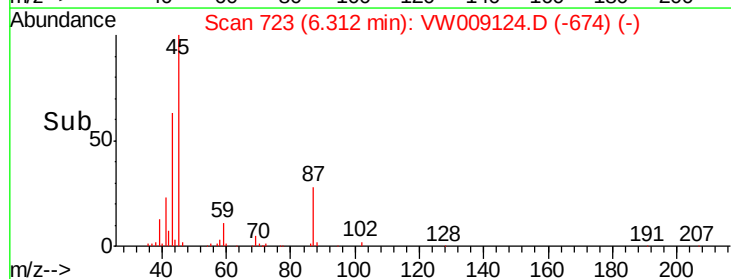
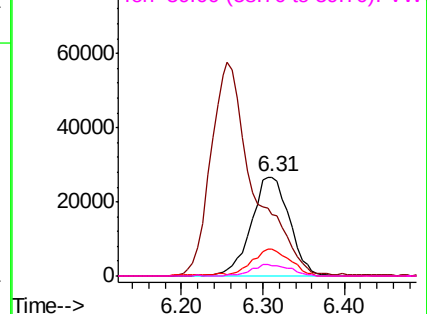
Abundance

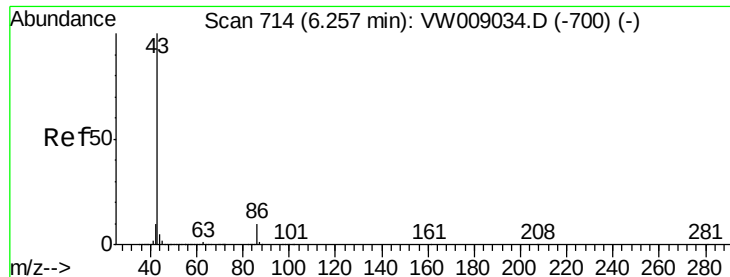
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 59.165 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

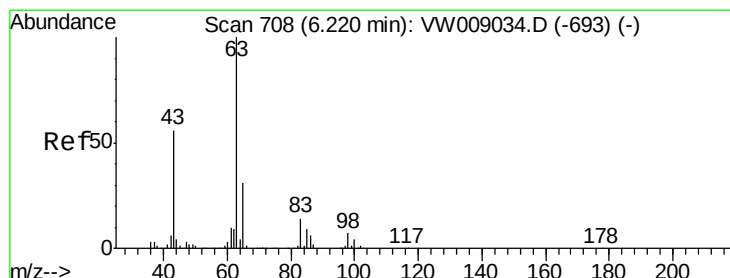
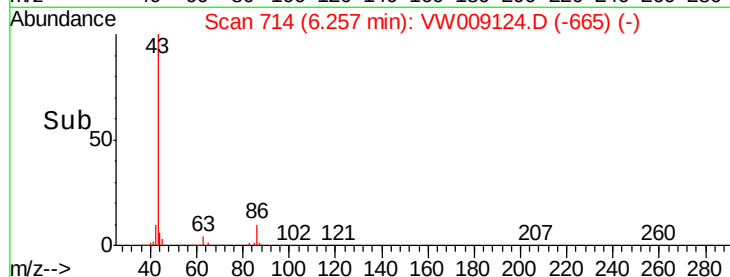
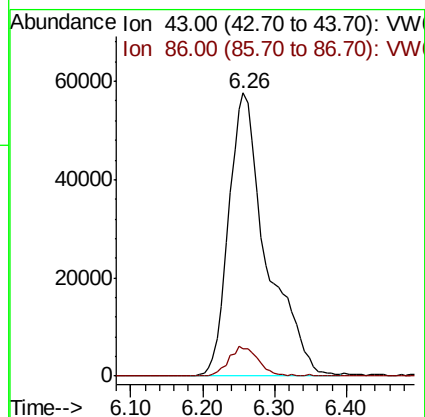
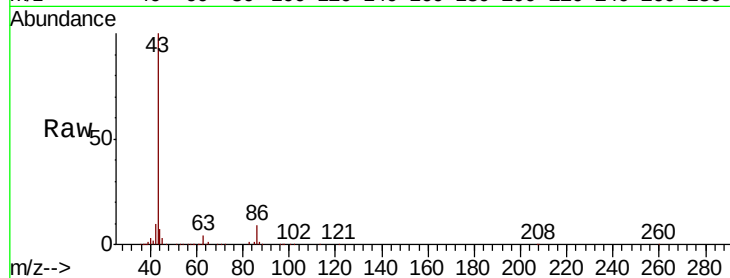
VW0312SBSD01

Tgt Ion: 43 Resp: 211222

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



#24

1,1-Dichloroethane

Concen: 19.056 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

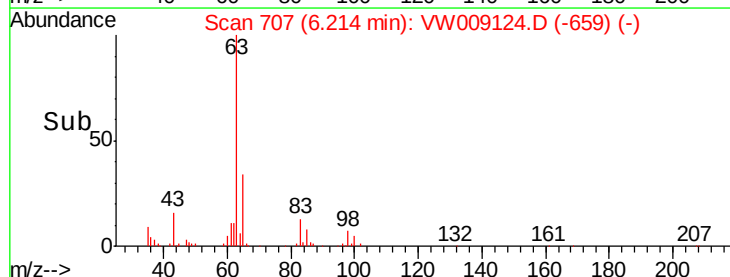
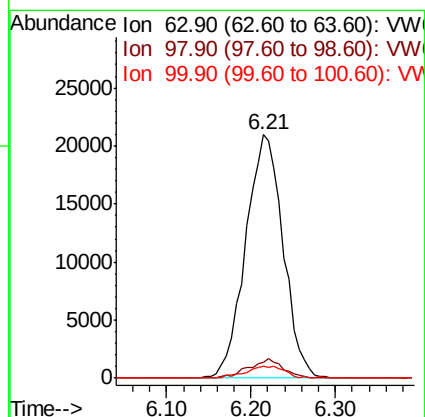
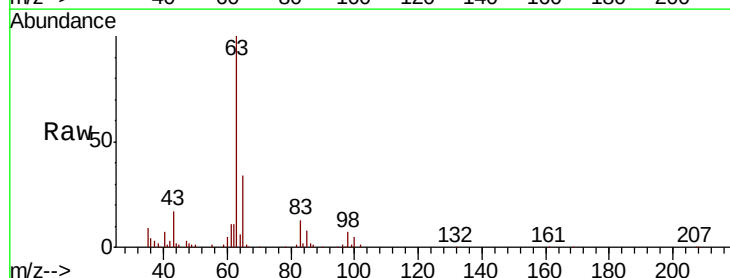
Tgt Ion: 63 Resp: 63411

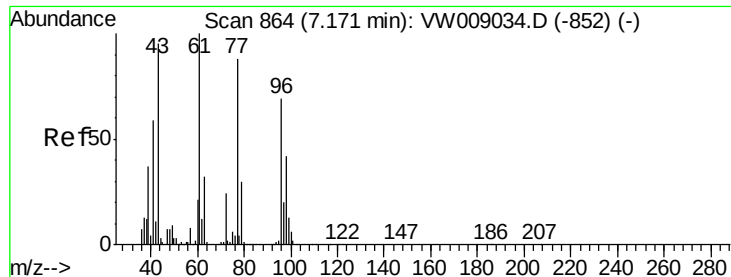
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 53.808 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

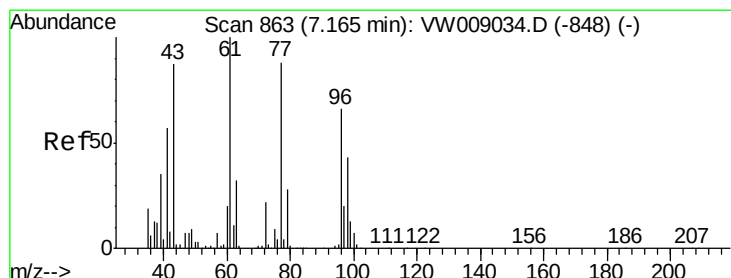
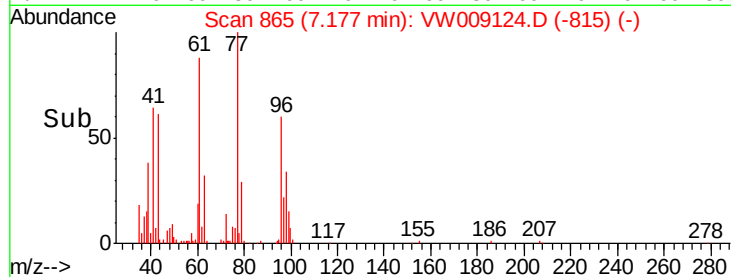
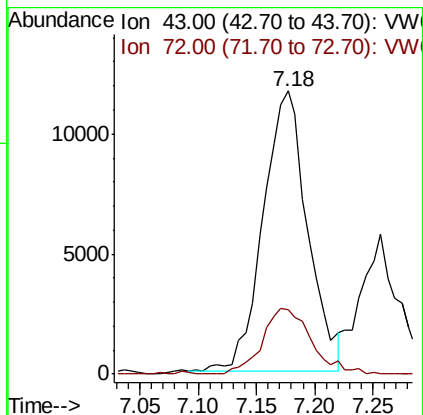
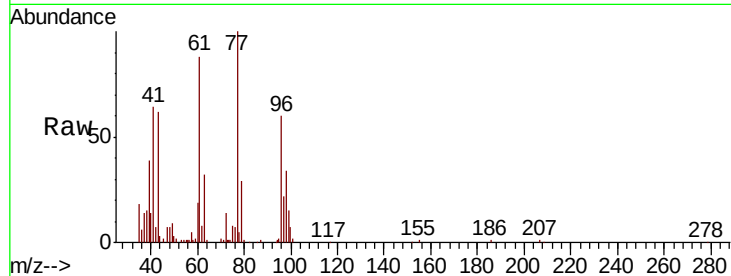
VW0312SBSD01

Tgt Ion: 43 Resp: 30744

Ion Ratio Lower Upper

43 100

72 22.8 20.0 30.0



#26

2,2-Dichloropropane

Concen: 21.859 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009124.D

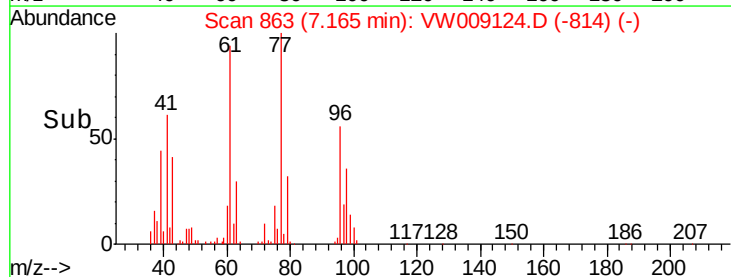
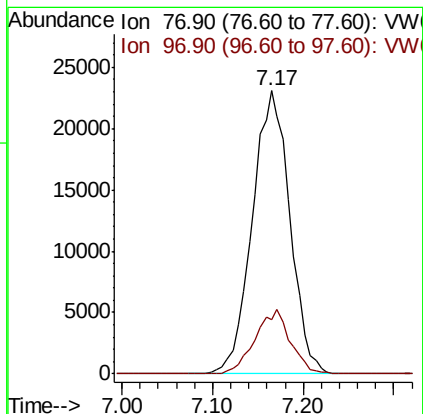
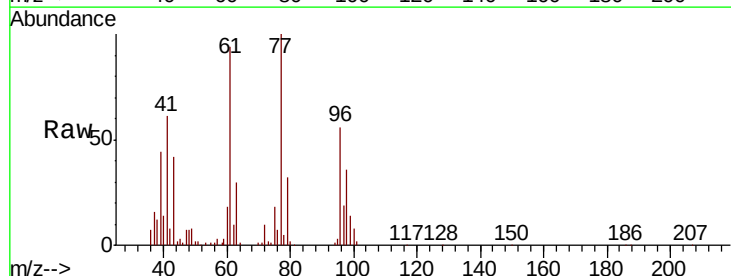
Acq: 12 Mar 2019 15:20

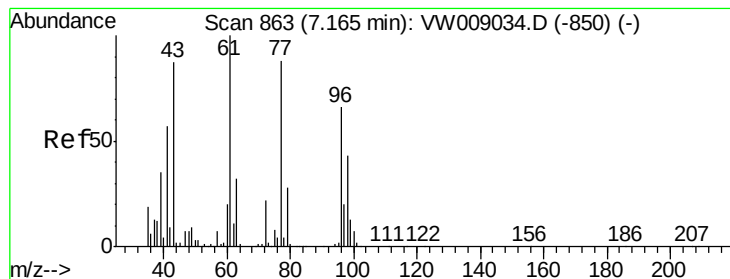
Tgt Ion: 77 Resp: 66117

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.9



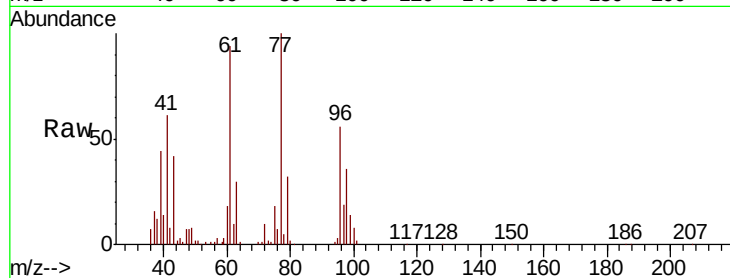


#27

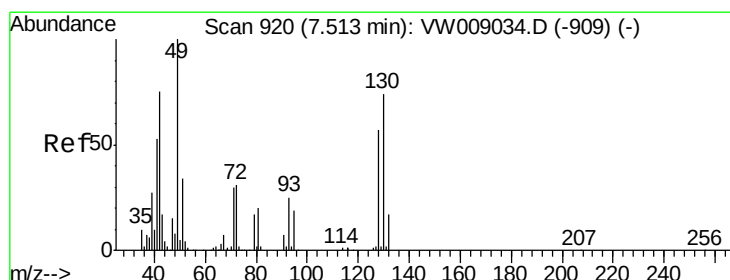
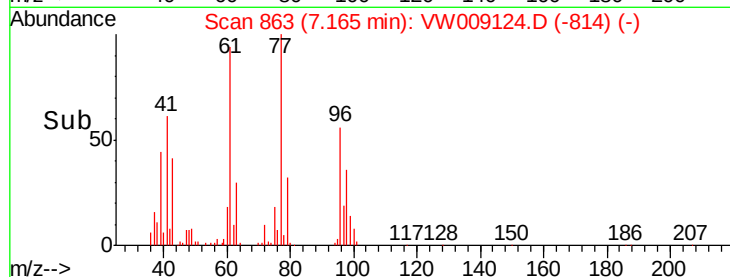
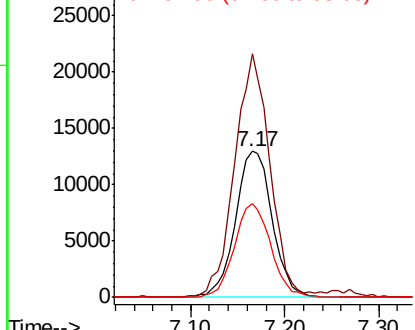
cis-1,2-Dichloroethene
Concen: 17.393 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tgt Ion: 96 Resp: 35299
Ion Ratio Lower Upper
96 100
61 160.0 0.0 299.8
98 63.8 0.0 127.2



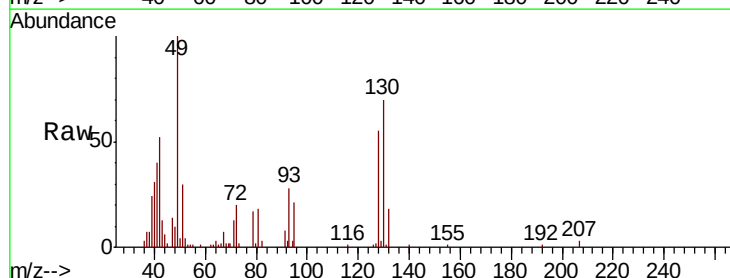
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



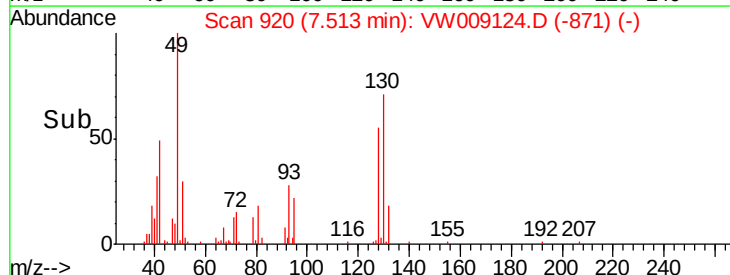
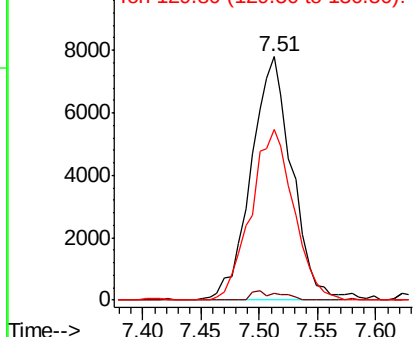
#28

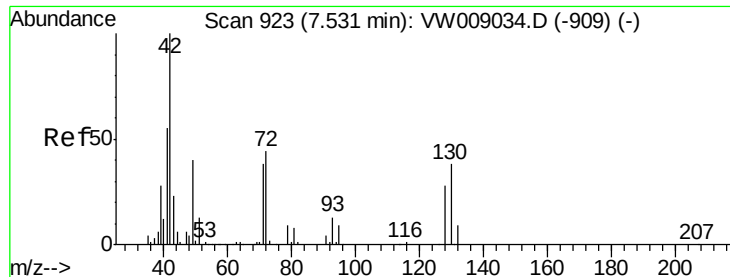
Bromochloromethane
Concen: 13.639 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 49 Resp: 18878
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.6
130 73.6 60.4 90.6



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

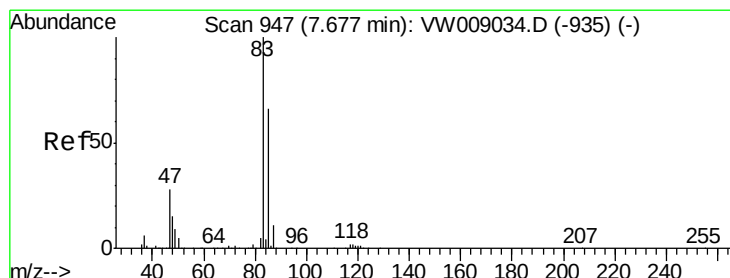
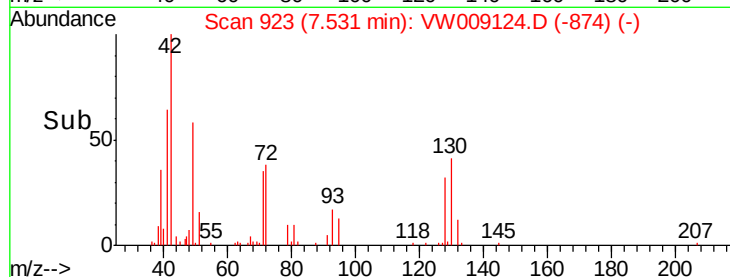
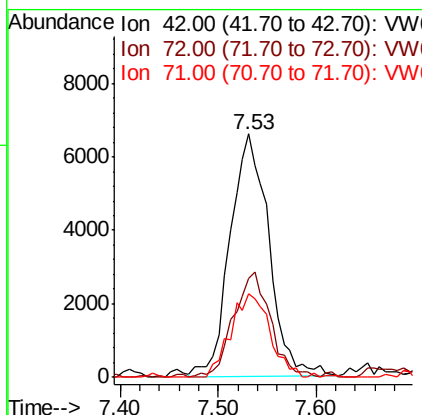
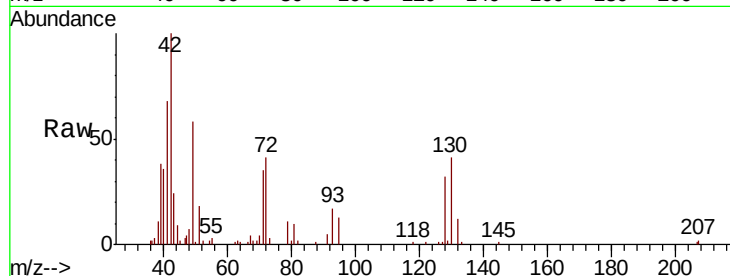




#29
Tetrahydrofuran
Concen: 50.028 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

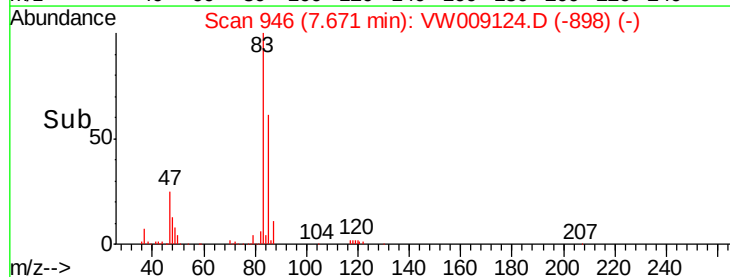
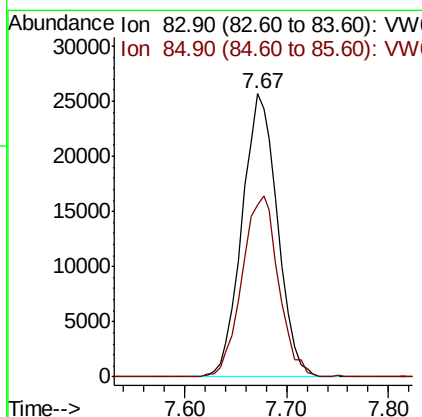
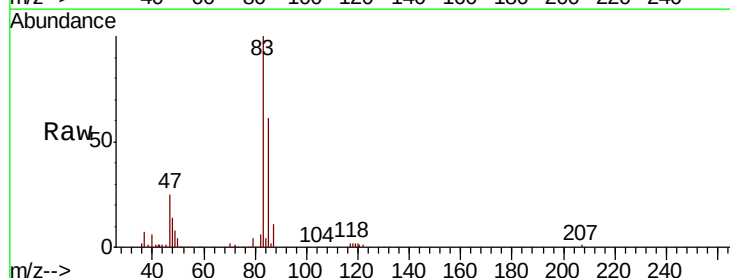
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

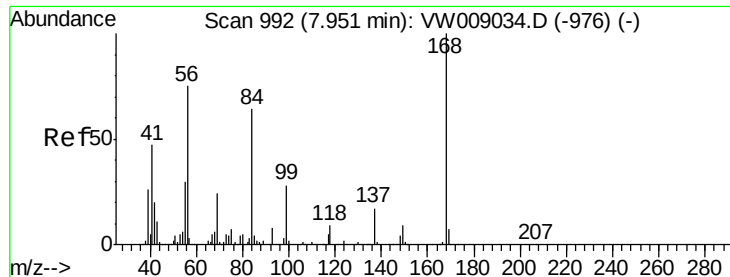
Tgt Ion: 42 Resp: 18013
Ion Ratio Lower Upper
42 100
72 41.6 32.2 48.4
71 35.0 30.7 46.1



#30
Chloroform
Concen: 18.038 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 83 Resp: 61795
Ion Ratio Lower Upper
83 100
85 60.7 53.0 79.6

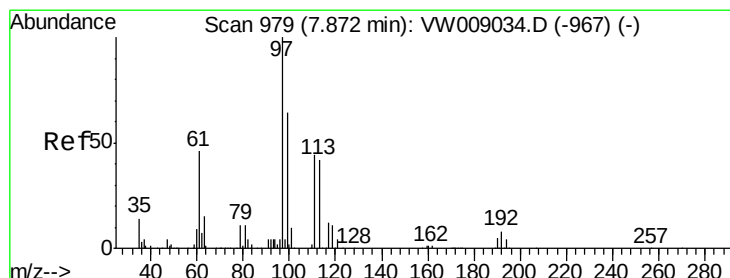
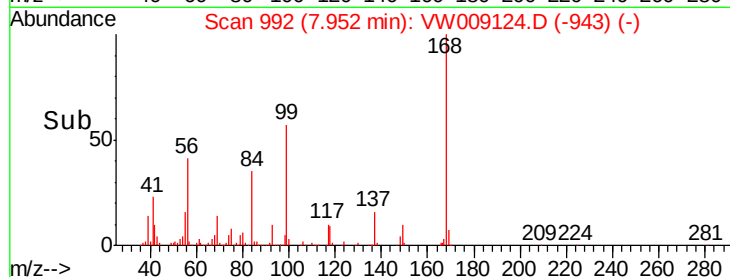
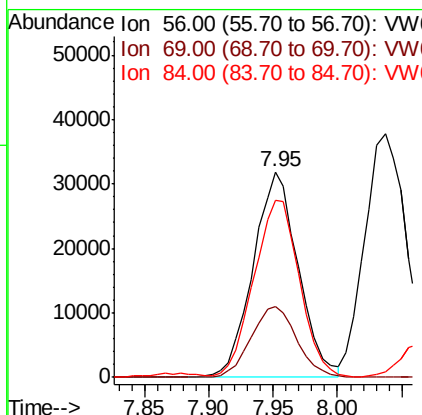
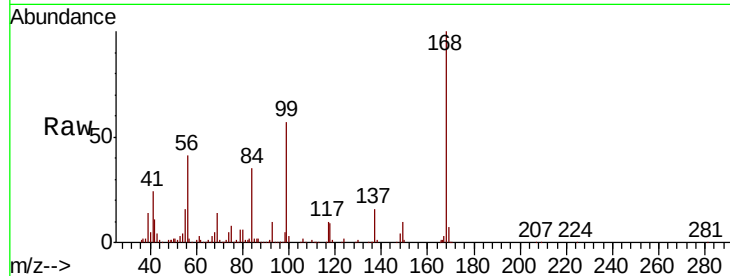




#31
Cyclohexane
Concen: 22.576 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

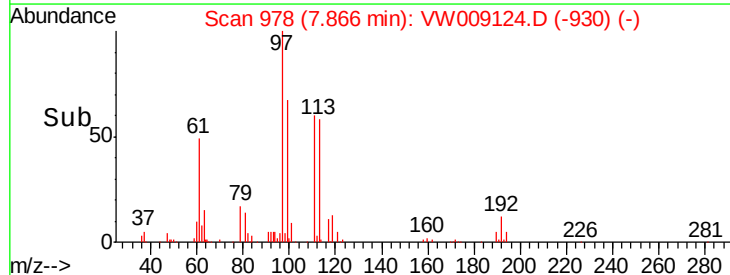
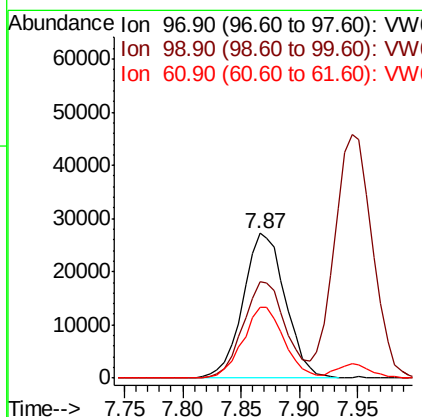
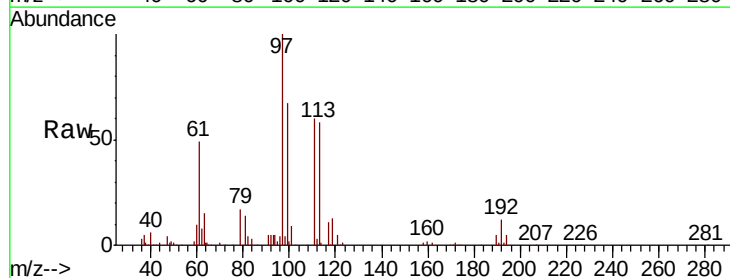
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

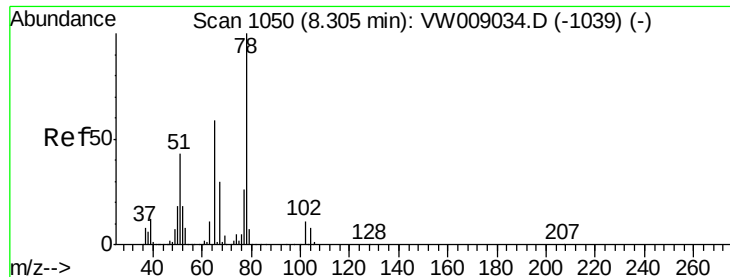
Tgt Ion: 56 Resp: 77137
Ion Ratio Lower Upper
56 100
69 34.2 25.5 38.3
84 84.8 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 21.744 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 97 Resp: 68746
Ion Ratio Lower Upper
97 100
99 67.3 51.8 77.8
61 47.5 37.3 55.9

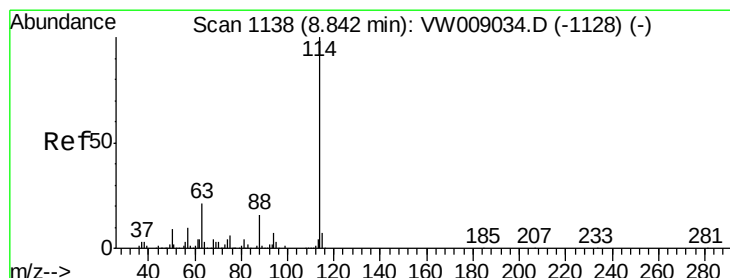
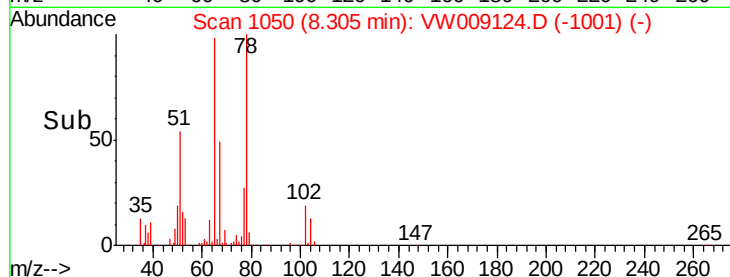
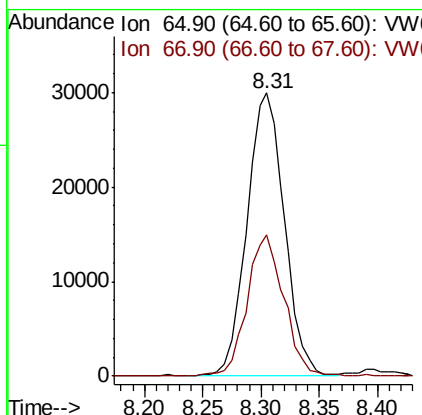
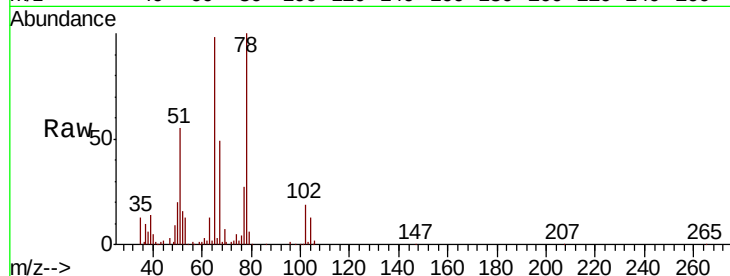




#33
 1,2-Dichloroethane-d4
 Concen: 36.601 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

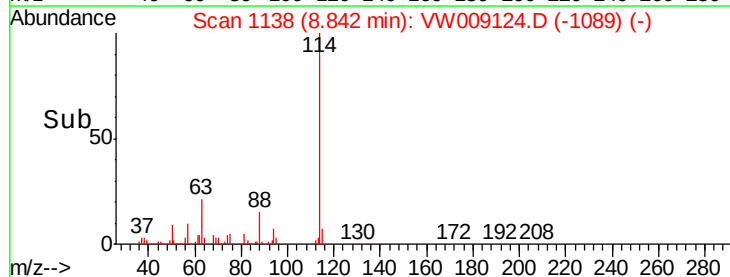
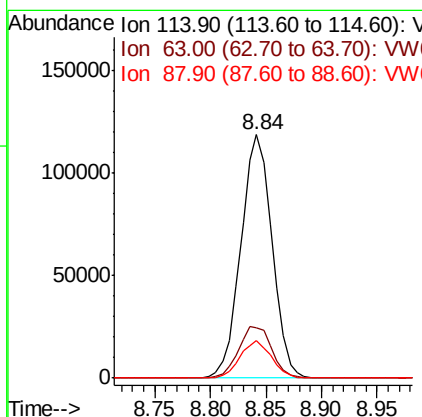
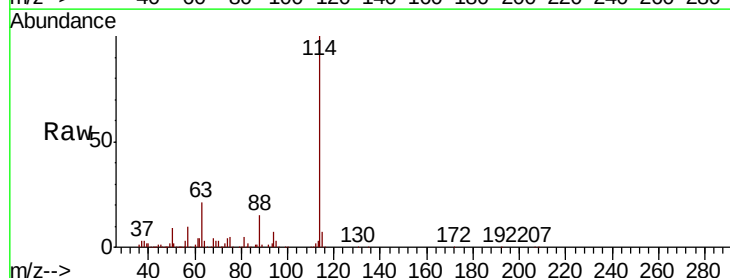
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

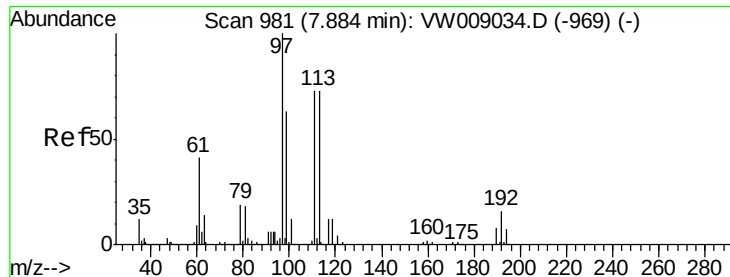
Tgt Ion: 65 Resp: 67057
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 114 Resp: 231462
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.2
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.627 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

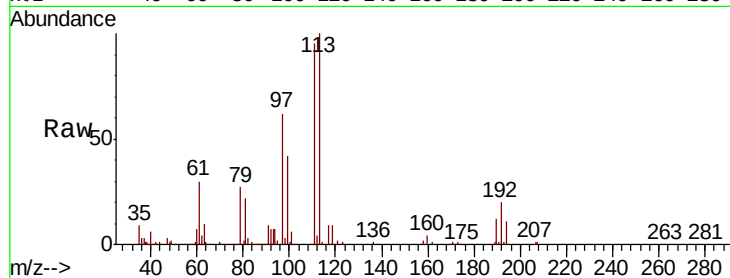
Tgt Ion:113 Resp: 66373

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

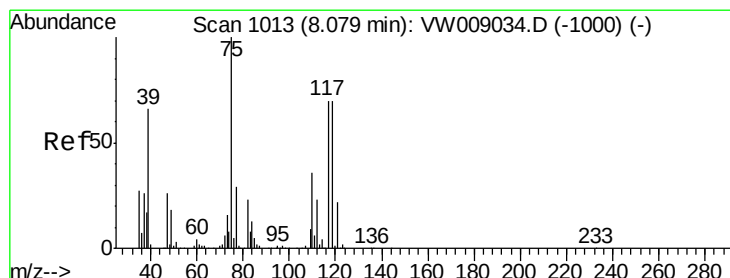
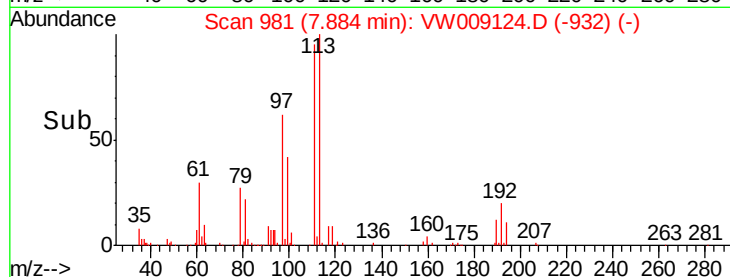
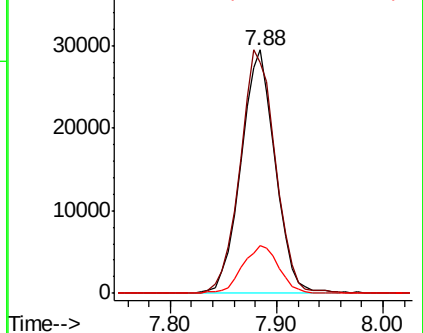
192 20.7 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 25.286 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

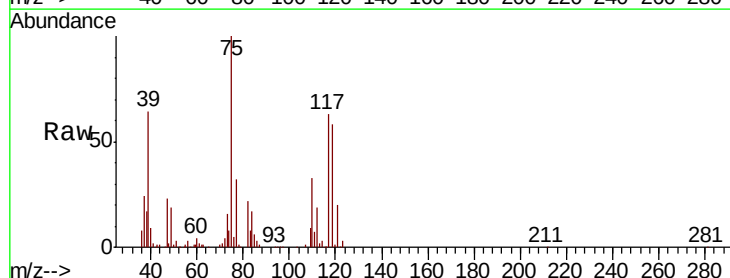
Tgt Ion: 75 Resp: 61198

Ion Ratio Lower Upper

75 100

110 34.3 17.6 52.9

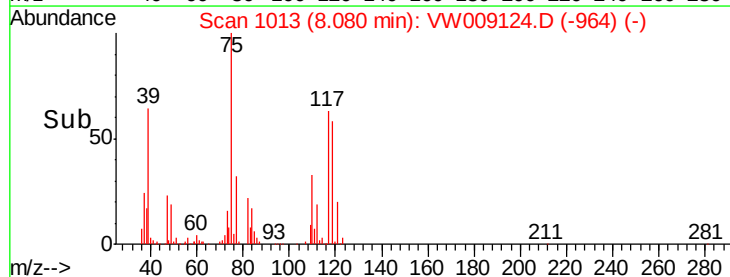
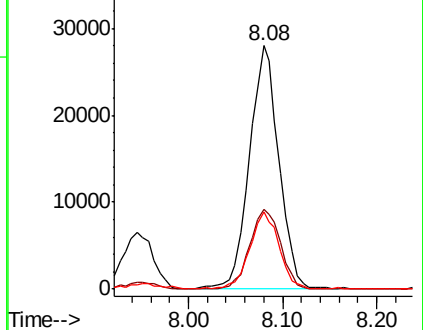
77 31.9 25.1 37.7

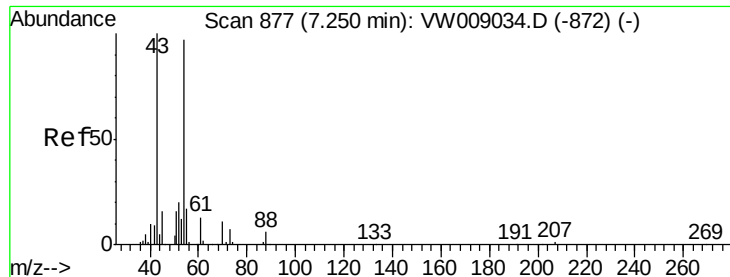


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

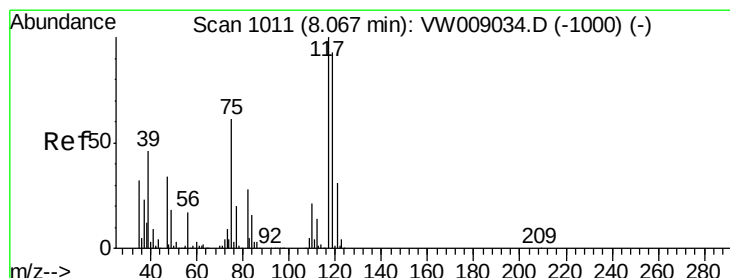
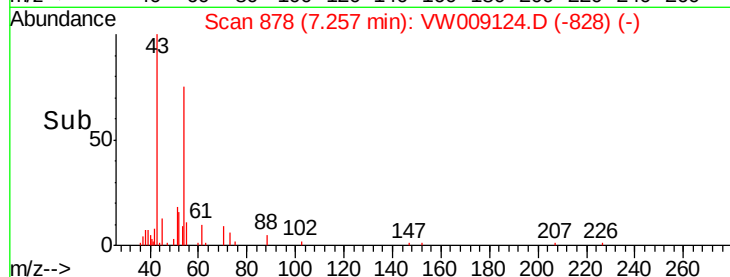
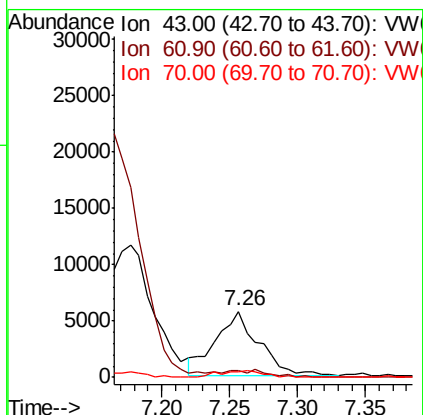
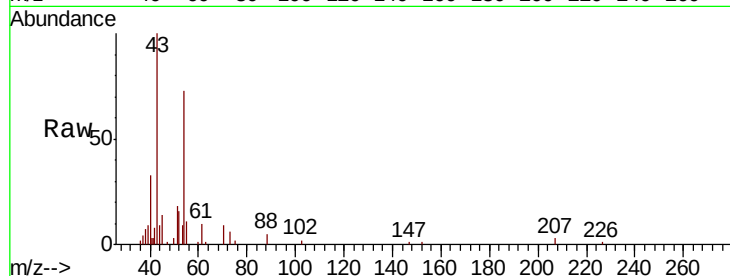




#37
Ethyl Acetate
Concen: 10.951 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

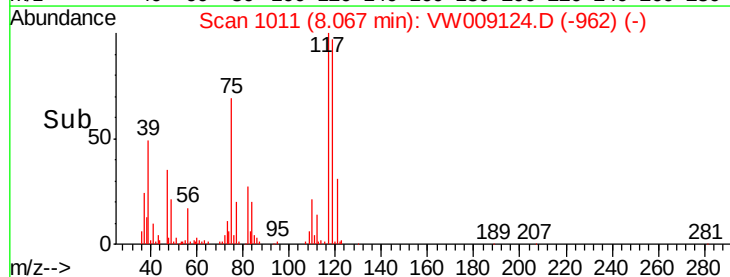
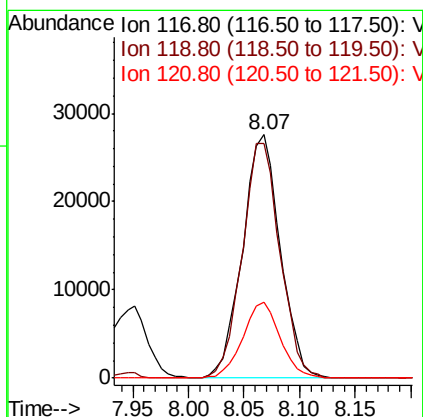
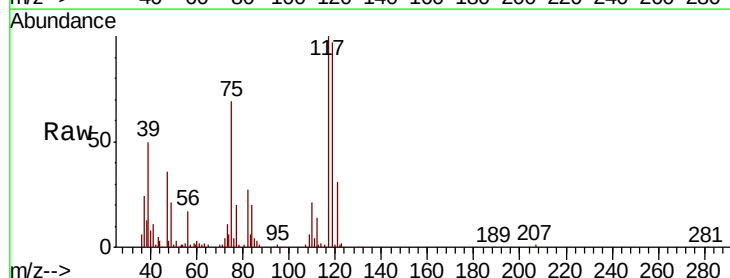
Instrument :
MSVOA_W
ClientSampled :
VW0312SBSD01

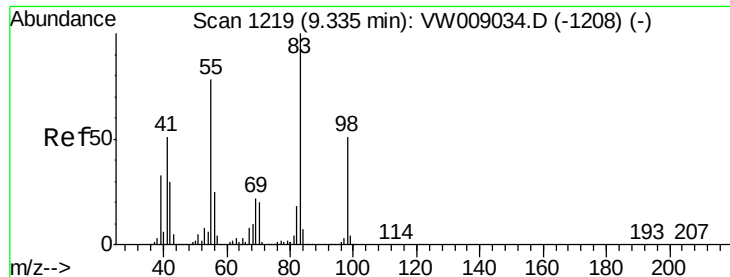
Tgt Ion: 43 Resp: 12449
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.6#
70 11.3 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 26.070 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 117 Resp: 65161
Ion Ratio Lower Upper
117 100
119 96.5 74.6 112.0
121 31.4 24.7 37.1

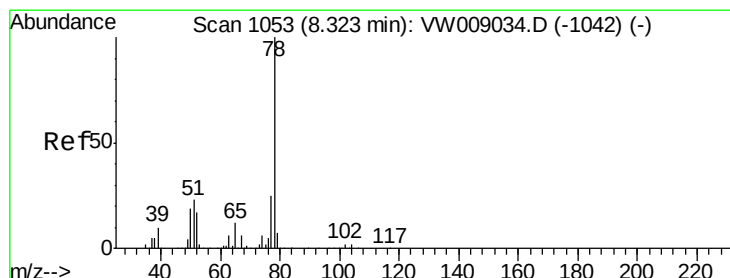
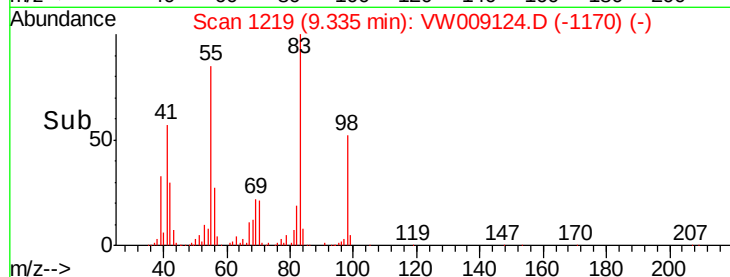
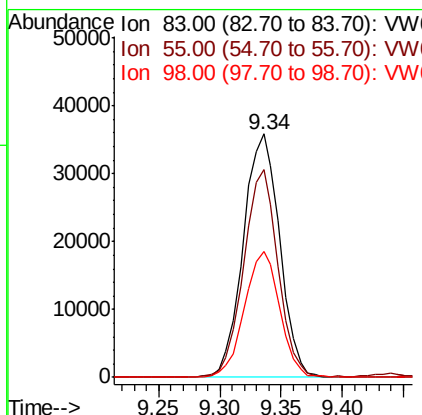
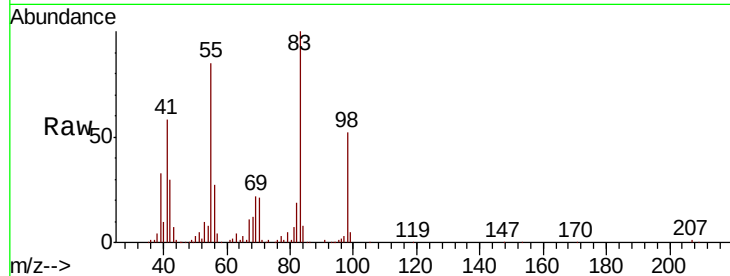




#39
Methylcyclohexane
Concen: 25.704 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

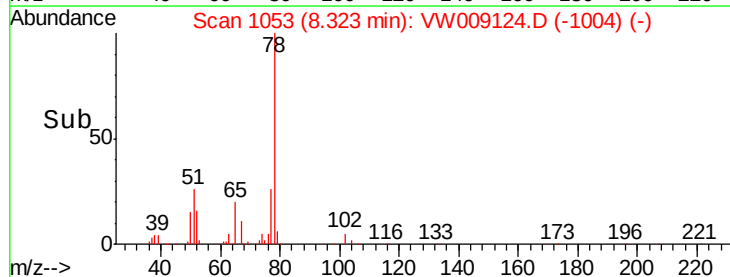
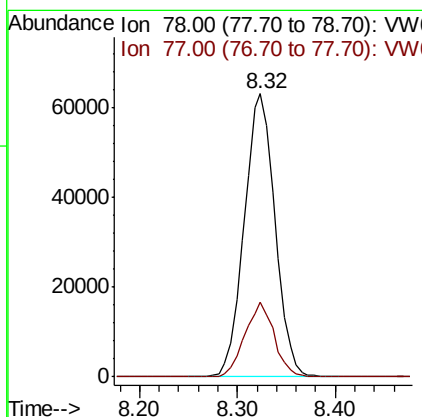
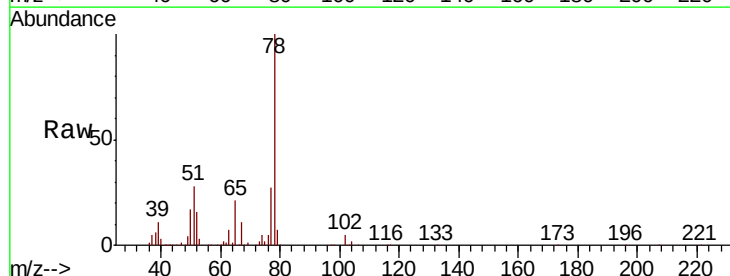
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

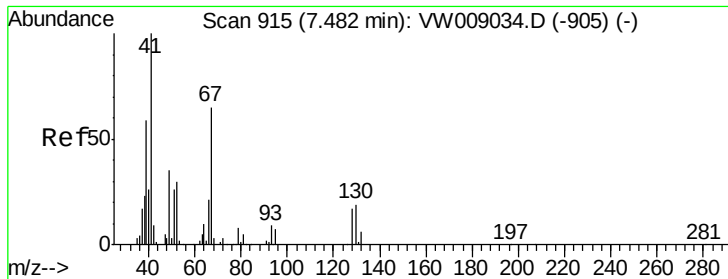
Tgt Ion: 83 Resp: 74095
Ion Ratio Lower Upper
83 100
55 85.4 62.7 94.1
98 51.6 40.8 61.2



#40
Benzene
Concen: 21.242 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 78 Resp: 137234
Ion Ratio Lower Upper
78 100
77 26.5 20.2 30.4

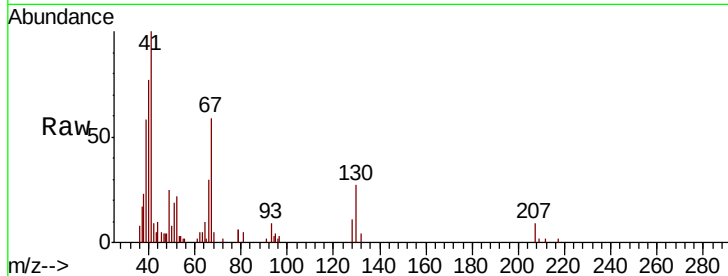




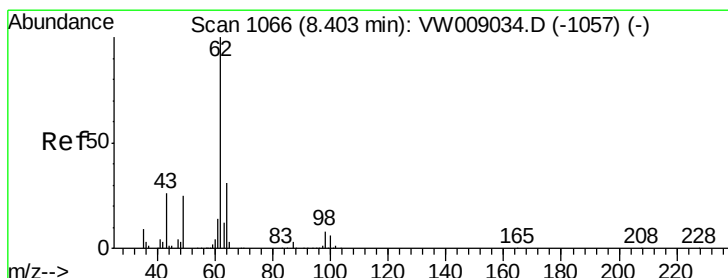
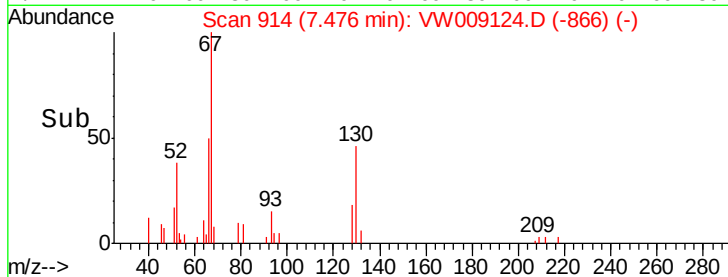
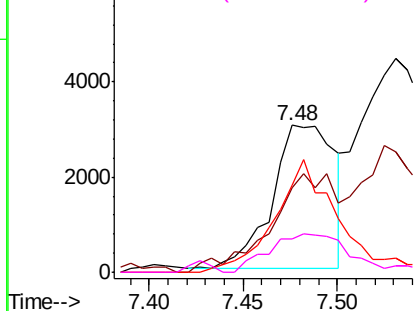
#41
Methacrylonitrile
Concen: 10.954 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tgt Ion:	41	Resp:	6915
Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.6	80.4
67	79.3	57.6	86.4
52	35.3	26.0	39.0

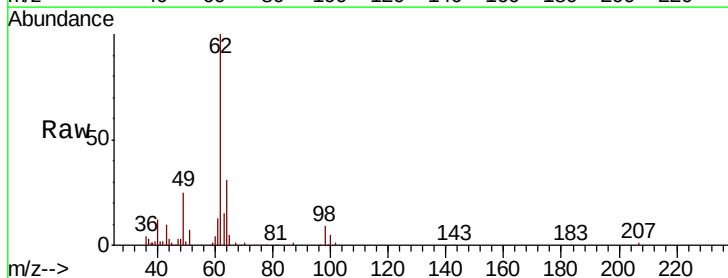


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

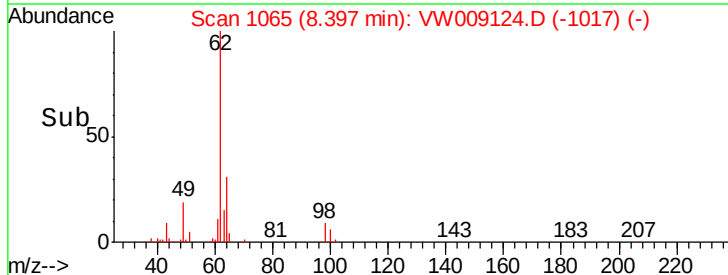
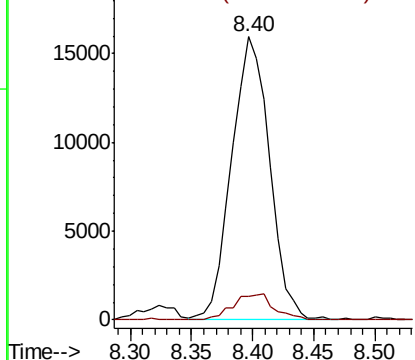


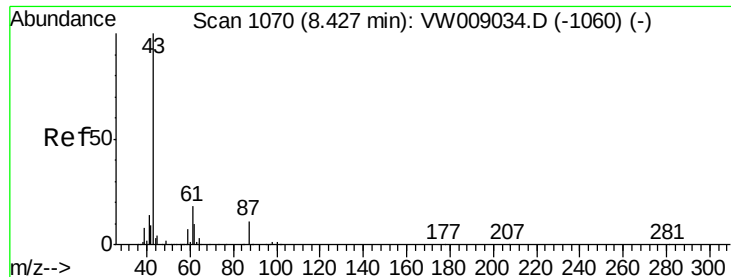
#42
1,2-Dichloroethane
Concen: 16.494 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion:	62	Resp:	34403
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 12.488 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

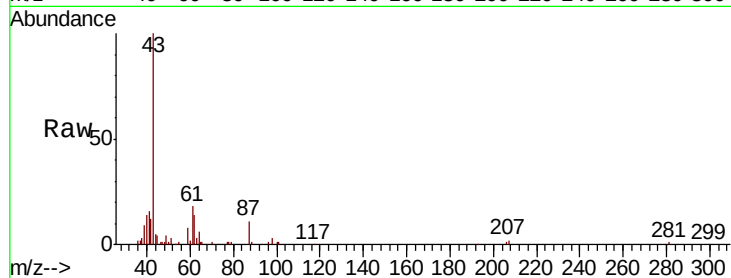
Tgt Ion: 43 Resp: 26440

Ion Ratio Lower Upper

43 100

61 30.7 22.8 34.2

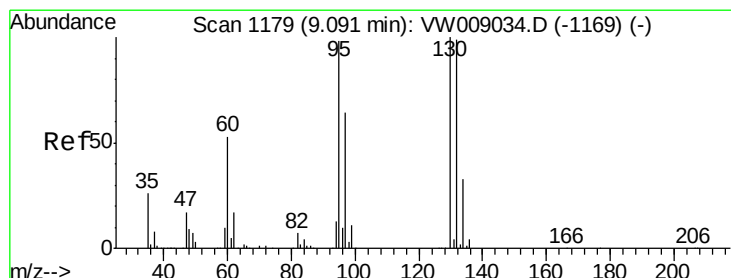
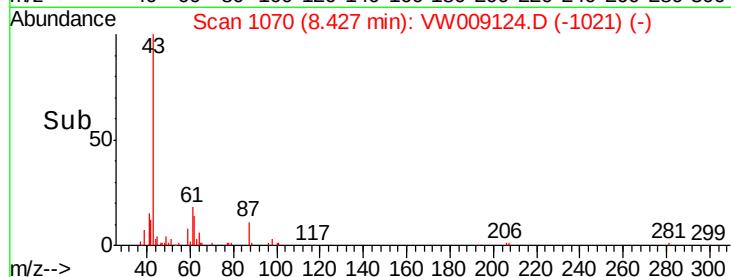
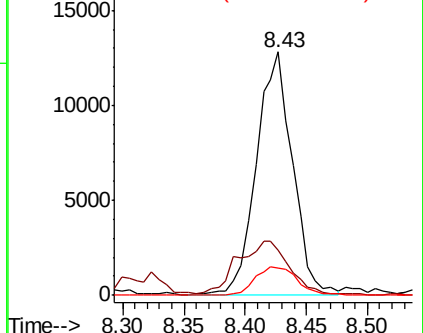
87 13.6 9.4 14.2



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: 23.196 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009124.D

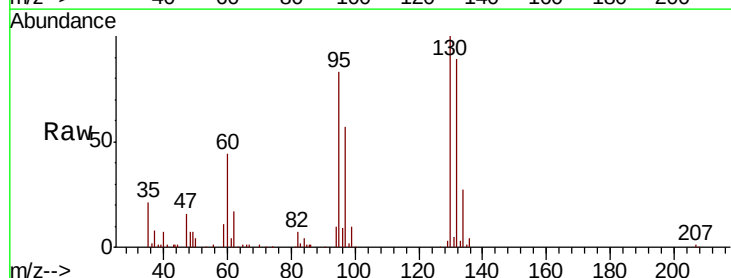
Acq: 12 Mar 2019 15:20

Tgt Ion: 130 Resp: 42002

Ion Ratio Lower Upper

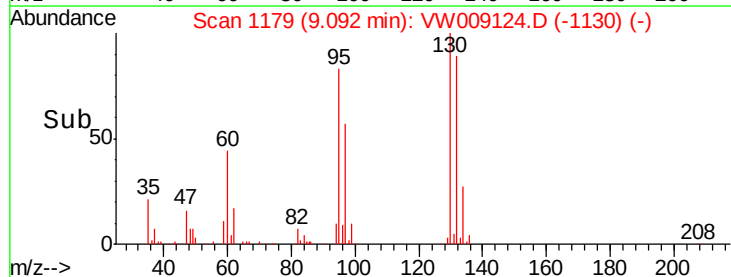
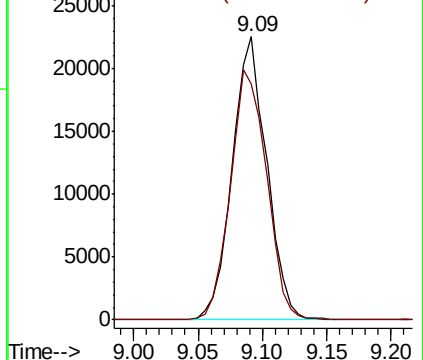
130 100

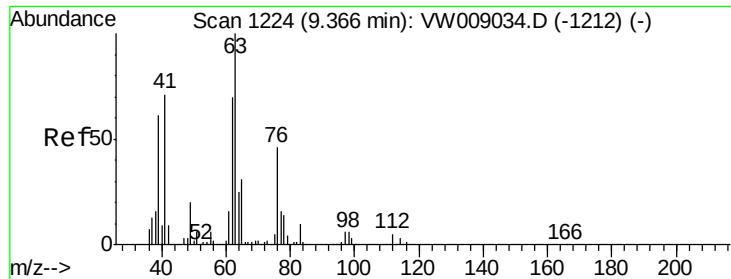
95 83.3 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

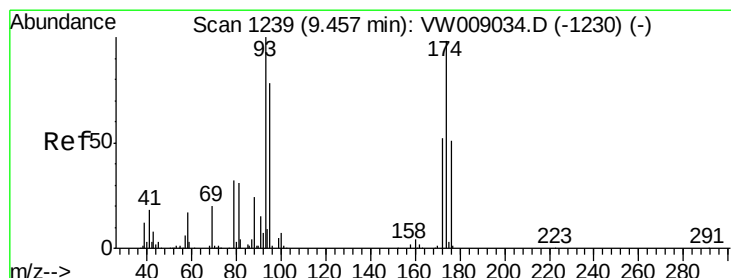
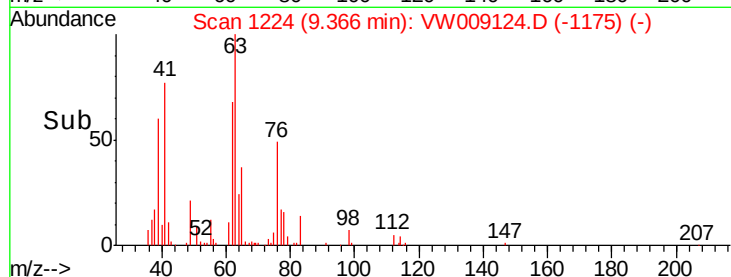
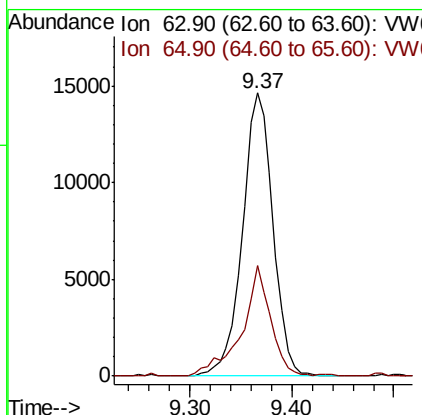
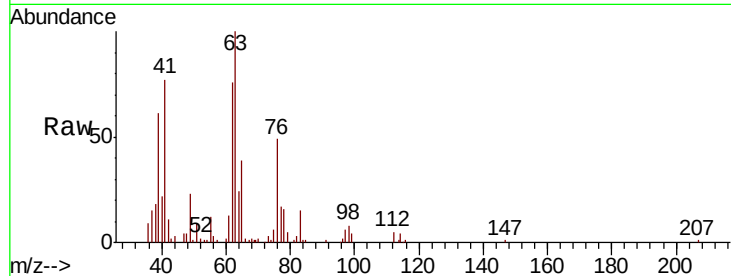




#45
 1,2-Dichloropropane
 Concen: 18.790 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

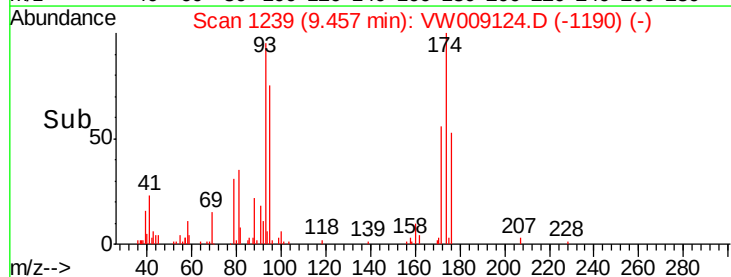
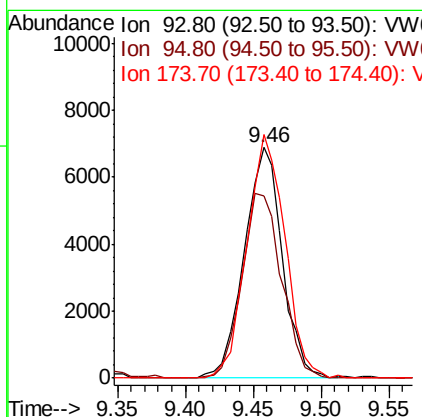
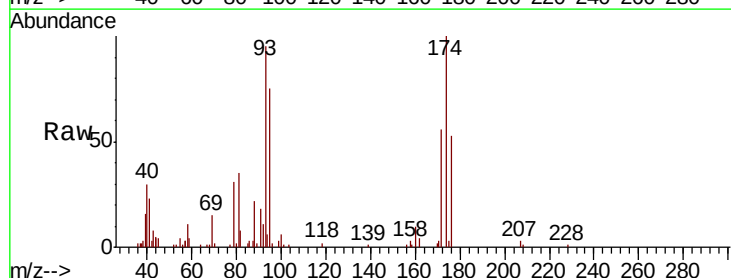
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

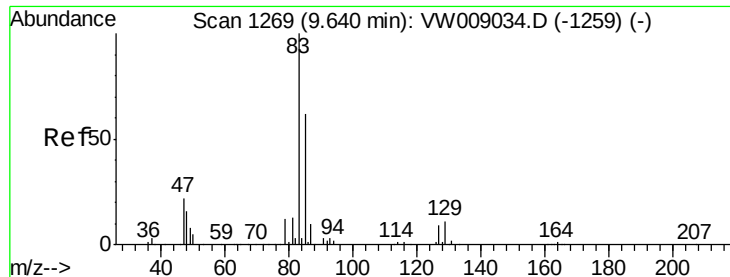
Tgt Ion: 63 Resp: 30404
 Ion Ratio Lower Upper
 63 100
 65 39.1 24.9 37.3#



#46
 Dibromomethane
 Concen: 15.270 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 93 Resp: 13494
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.0 97.6
 174 105.7 81.8 122.6





#47

Bromodichloromethane

Concen: 18.006 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

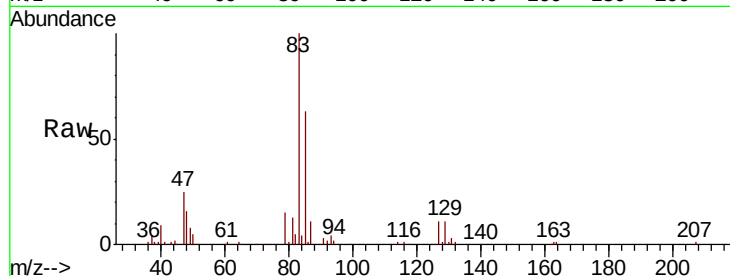
Tgt Ion: 83 Resp: 40279

Ion Ratio Lower Upper

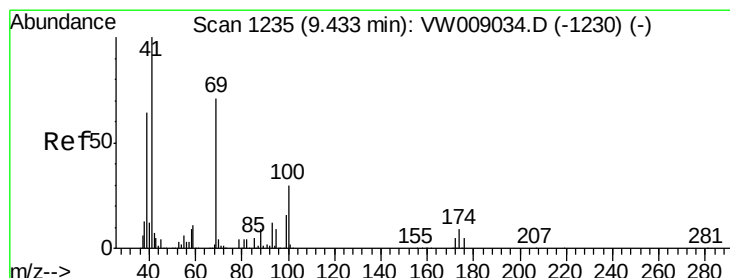
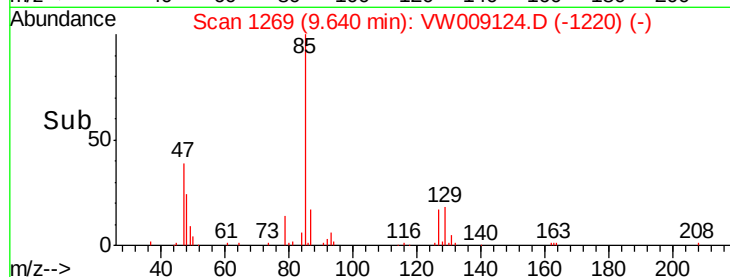
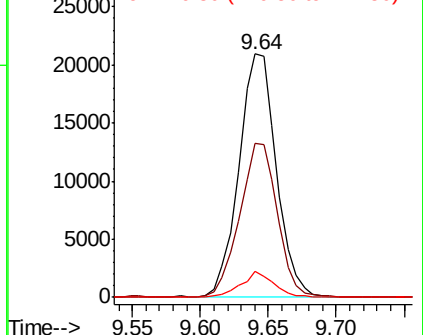
83 100

85 63.4 49.9 74.9

127 10.7 7.1 10.7#



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



#48

Methyl methacrylate

Concen: 13.290 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

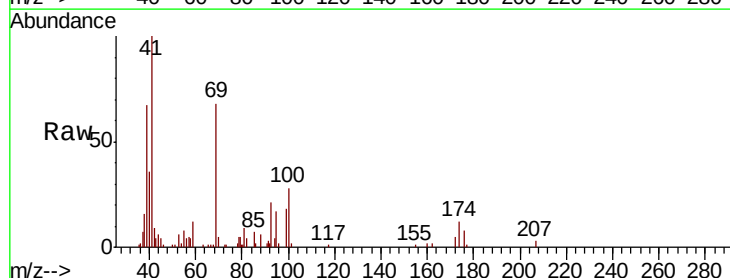
Tgt Ion: 41 Resp: 13102

Ion Ratio Lower Upper

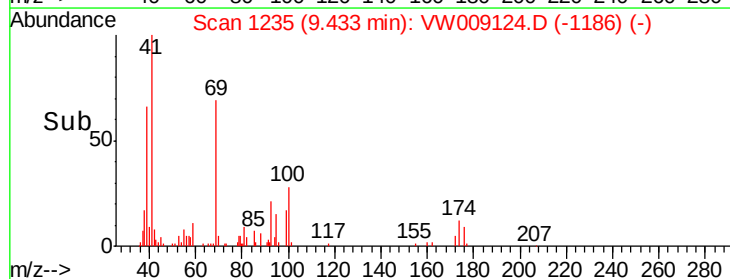
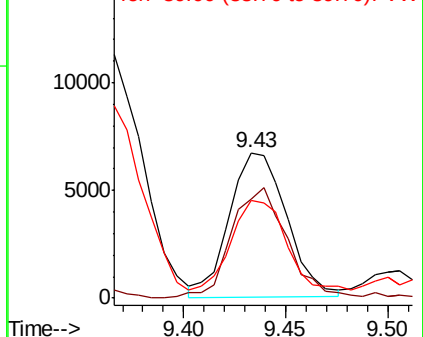
41 100

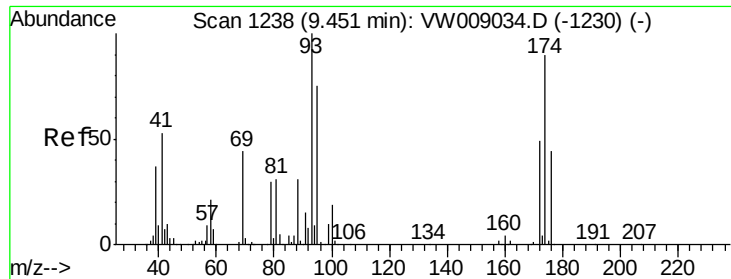
69 73.9 59.1 88.7

39 68.9 48.9 73.3



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: 260.697 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

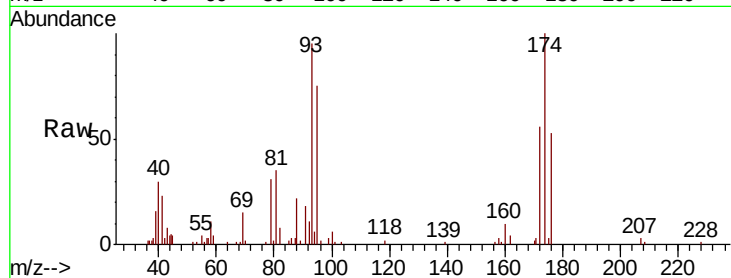
Tgt Ion: 88 Resp: 3299

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

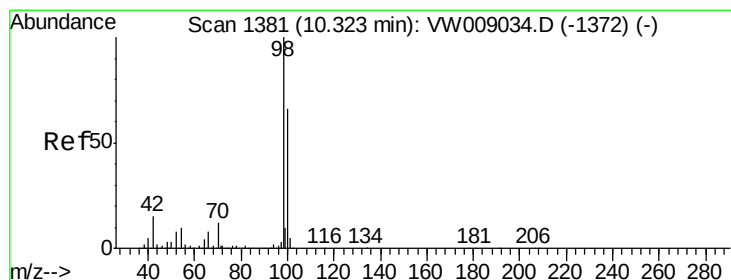
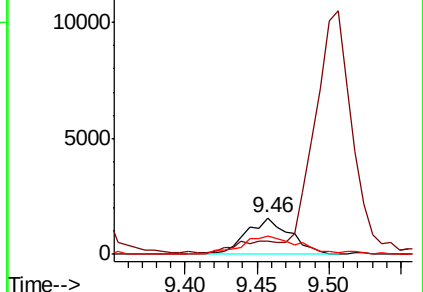
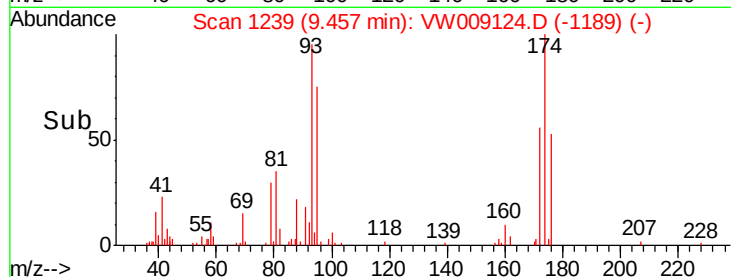
58 65.4 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 55.305 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009124.D

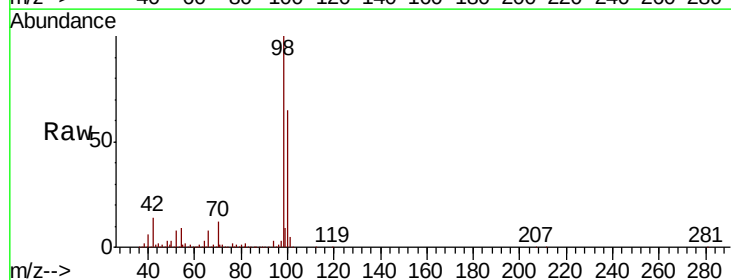
Acq: 12 Mar 2019 15:20

Tgt Ion: 98 Resp: 316550

Ion Ratio Lower Upper

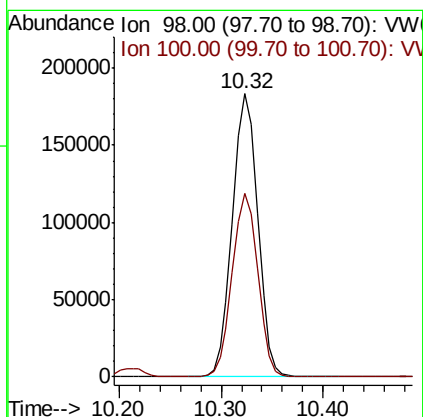
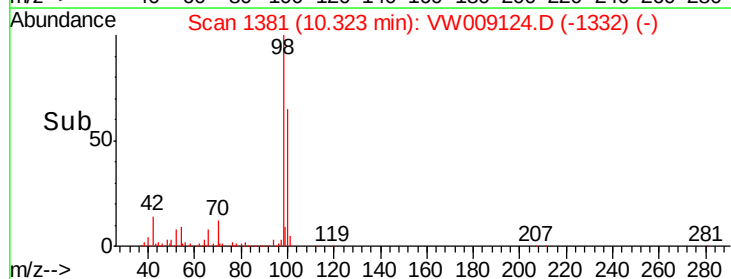
98 100

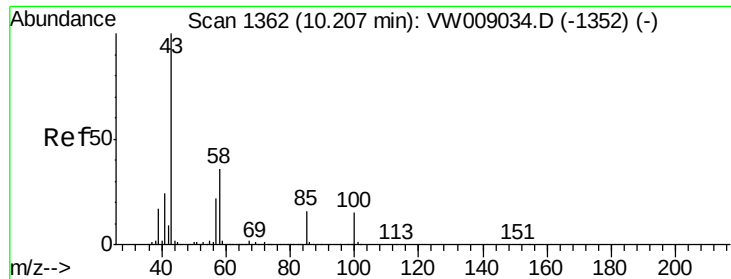
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

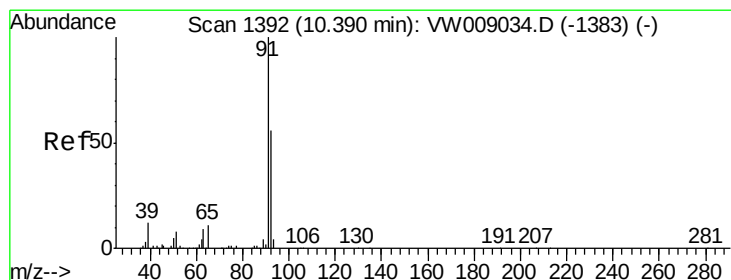
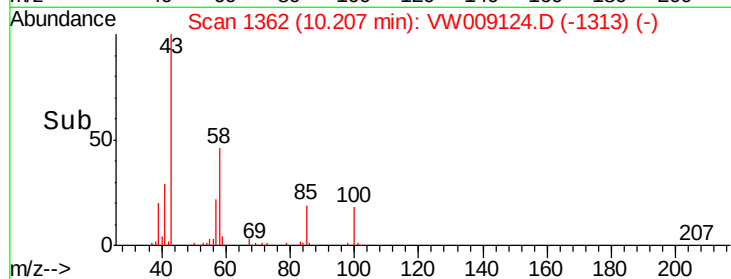
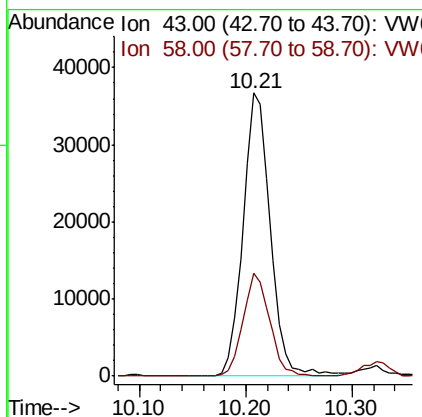
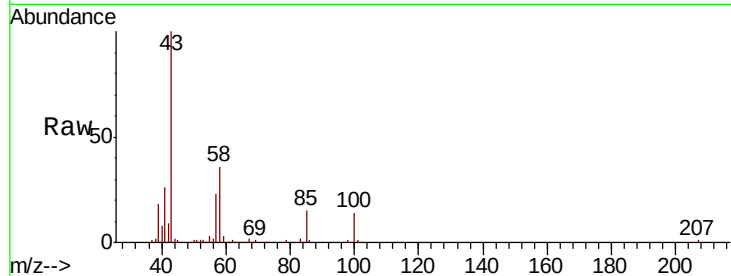




#51
 4-Methyl-2-Pentanone
 Concen: 61.467 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

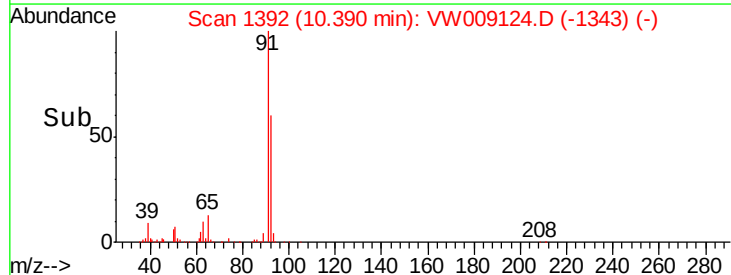
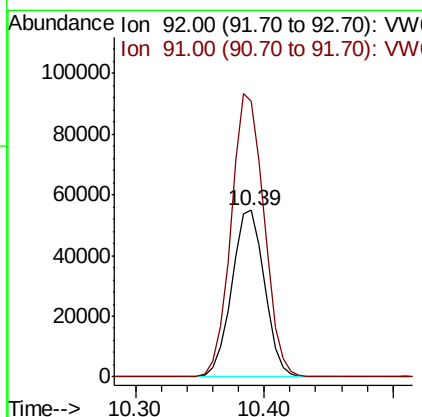
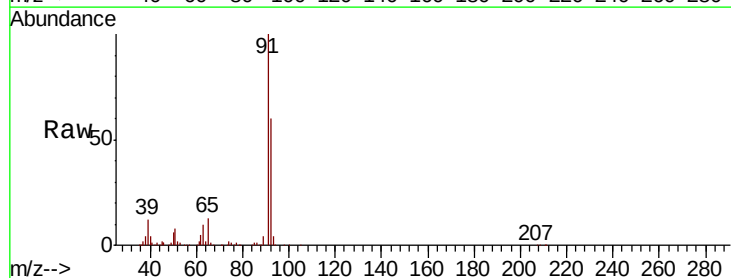
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

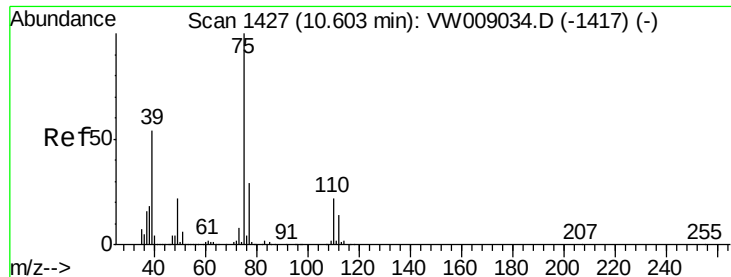
Tgt Ion: 43 Resp: 66069
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.8 43.2



#52
 Toluene
 Concen: 22.212 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 92 Resp: 97321
 Ion Ratio Lower Upper
 92 100
 91 171.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 14.883 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

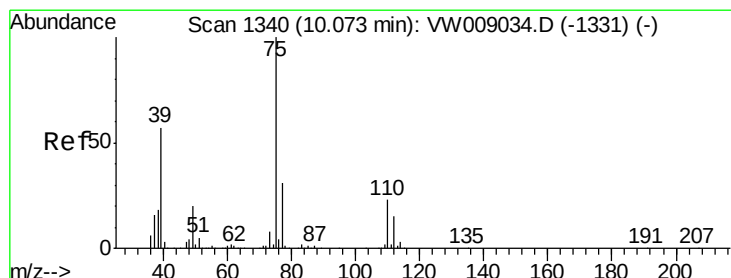
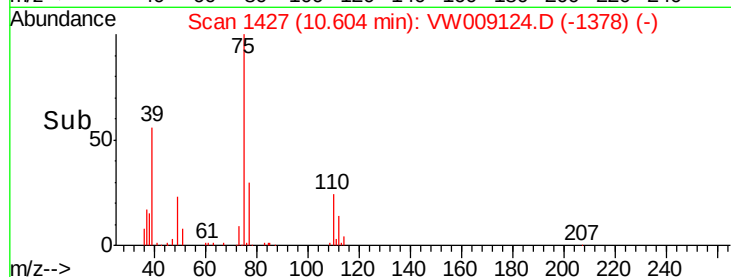
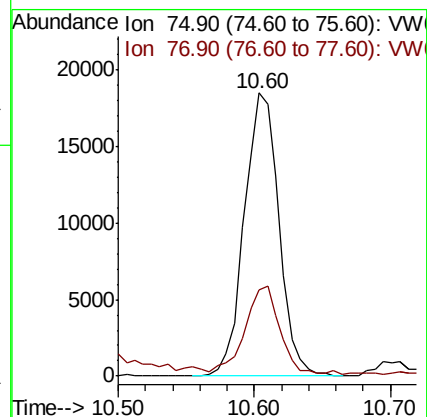
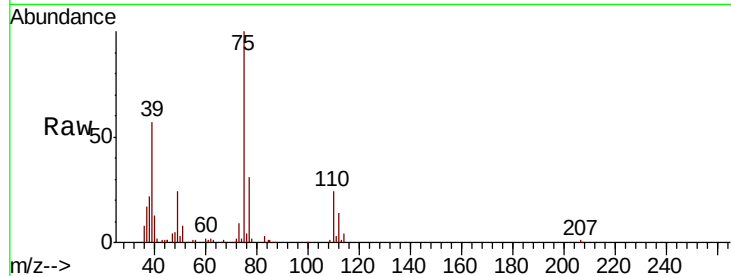
VW0312SBSD01

Tgt Ion: 75 Resp: 32929

Ion Ratio Lower Upper

75 100

77 30.1 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 16.268 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

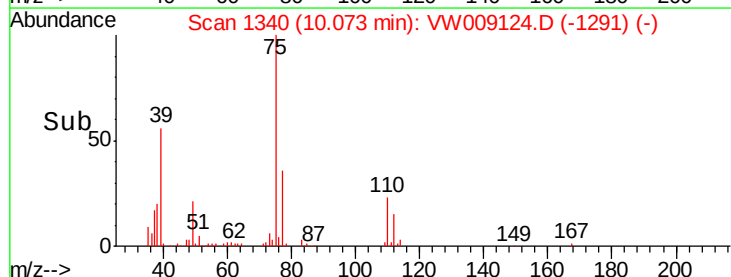
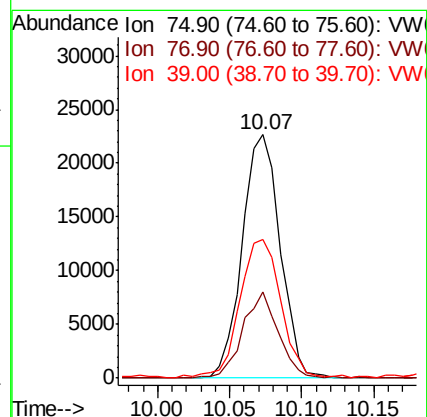
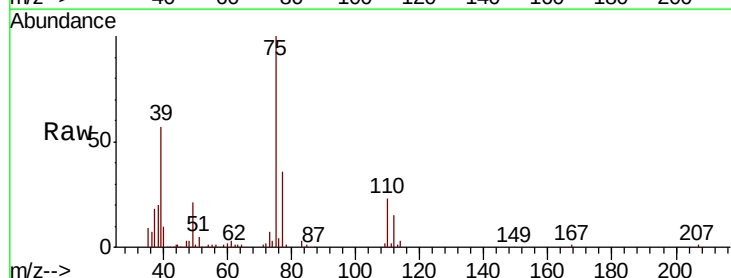
Tgt Ion: 75 Resp: 41361

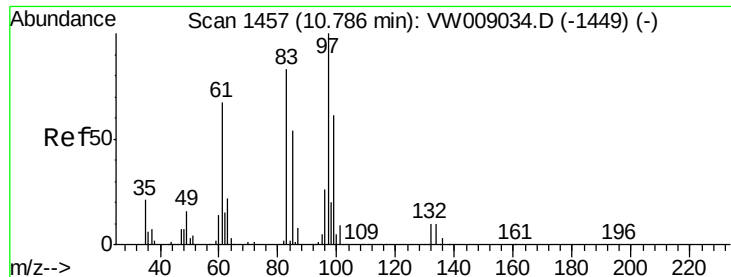
Ion Ratio Lower Upper

75 100

77 35.5 24.6 36.8

39 56.5 45.9 68.9

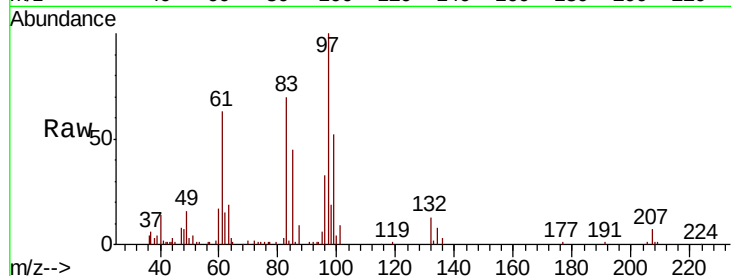




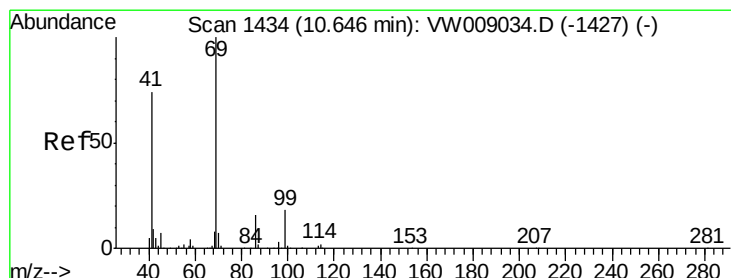
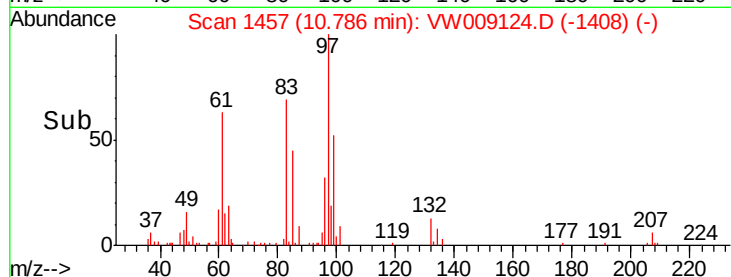
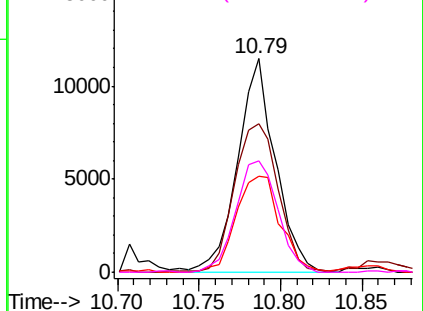
#55
 1,1,2-Trichloroethane
 Concen: 15.423 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampled :
 VW0312SBSD01

Tgt Ion:	97	Resp:	18473
Ion	Ratio	Lower	Upper
97	100		
83	68.9	66.2	99.2
85	45.0	43.6	65.4
99	52.1	49.0	73.4

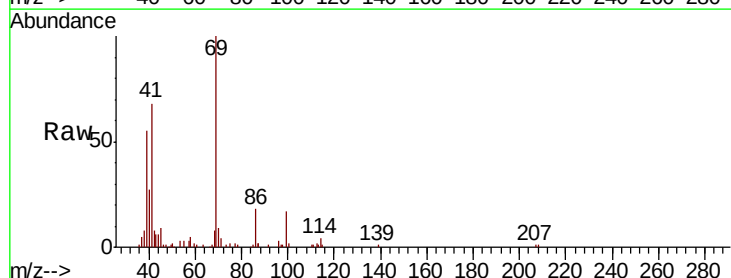


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

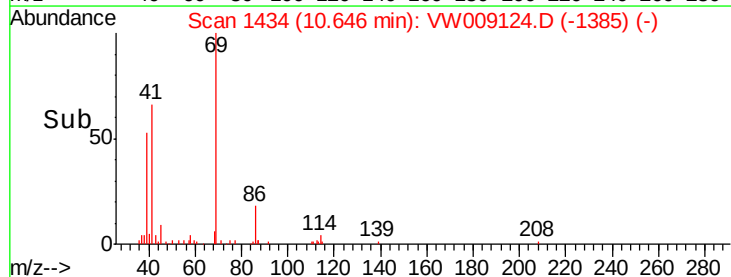
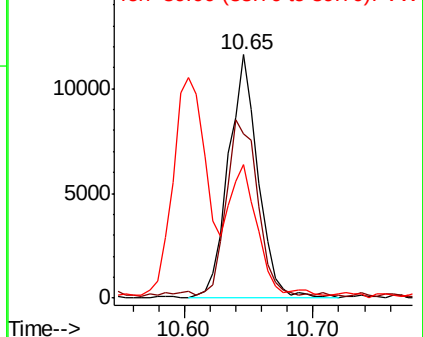


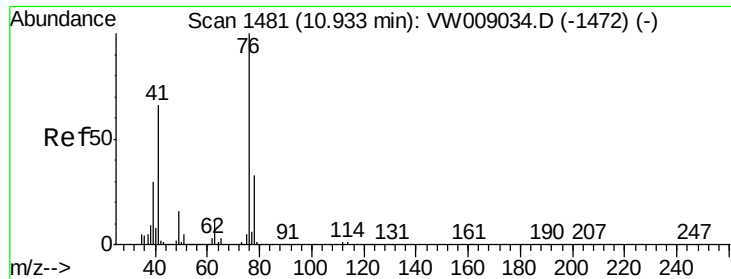
#56
 Ethyl methacrylate
 Concen: 12.638 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion:	69	Resp:	18787
Ion	Ratio	Lower	Upper
69	100		
41	79.4	59.4	89.2
39	50.5	38.5	57.7



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

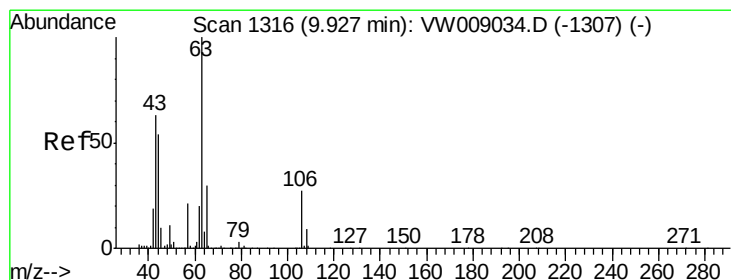
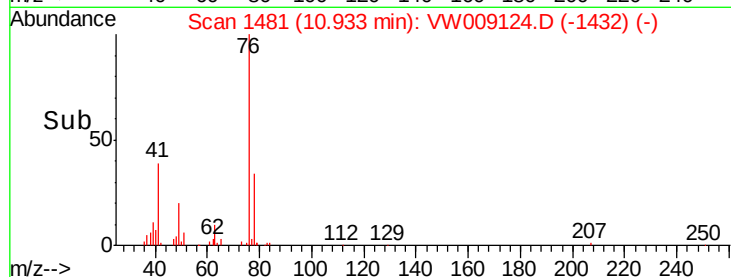
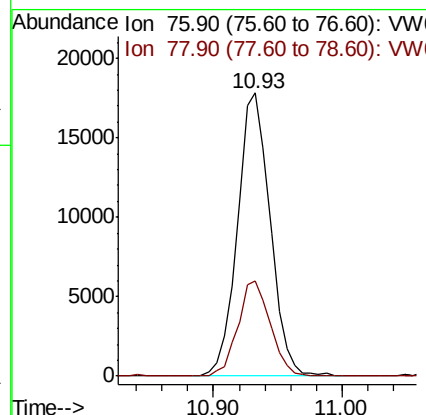
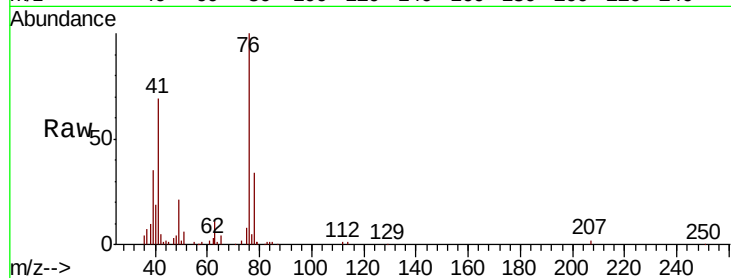




#57
 1,3-Dichloropropane
 Concen: 14.797 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

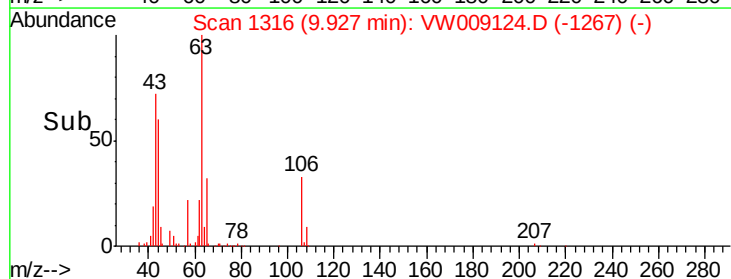
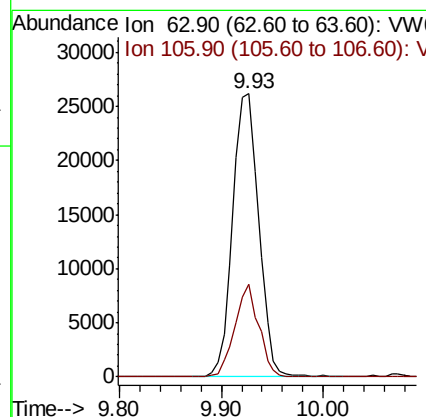
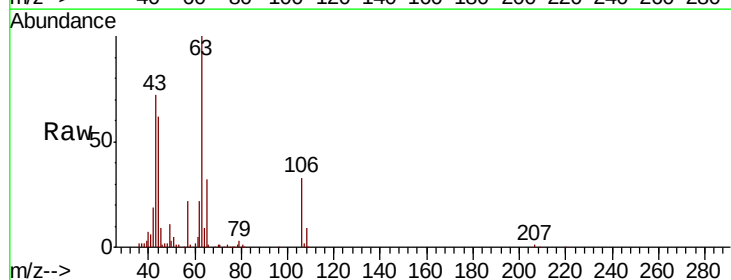
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

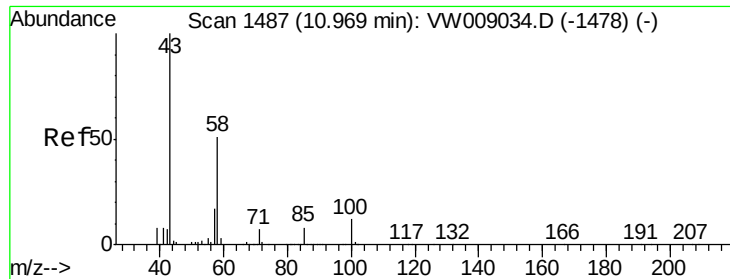
Tgt Ion: 76 Resp: 31396
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 60.072 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 63 Resp: 46293
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.0 34.6





#59

2-Hexanone

Concen: 60.434 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

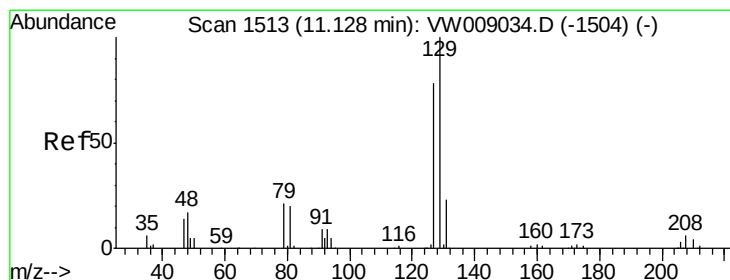
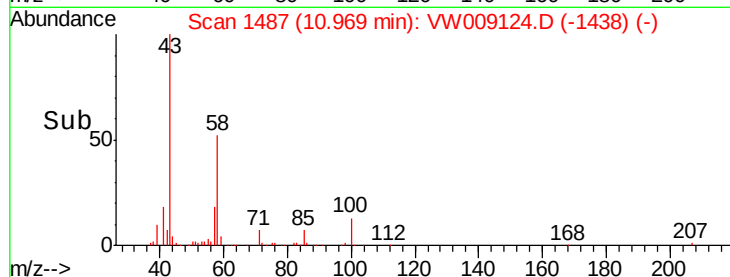
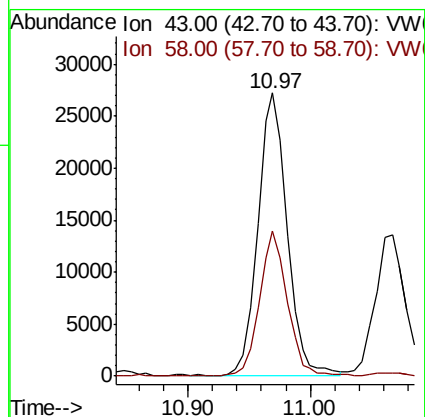
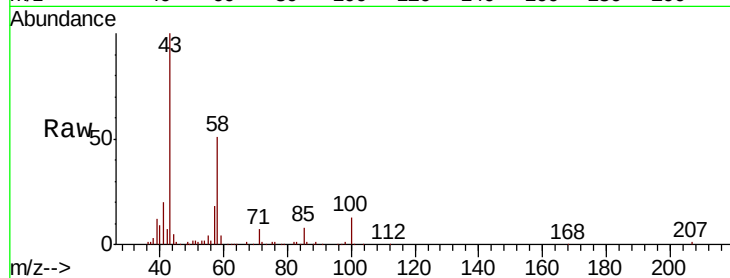
VW0312SBSD01

Tgt Ion: 43 Resp: 45671

Ion Ratio Lower Upper

43 100

58 48.7 25.3 75.9



#60

Dibromochloromethane

Concen: 14.287 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009124.D

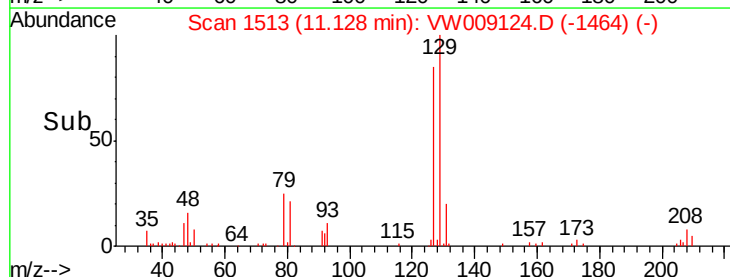
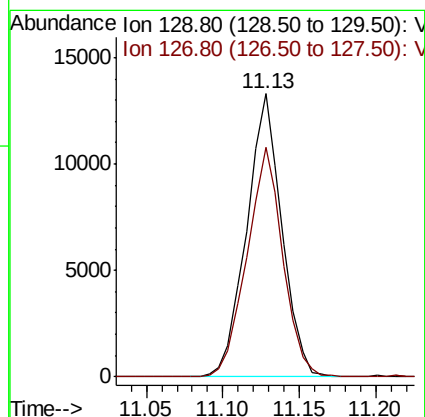
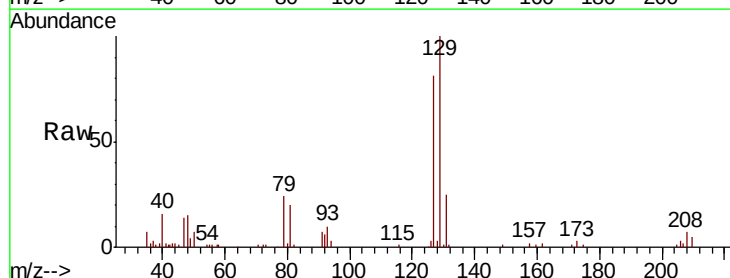
Acq: 12 Mar 2019 15:20

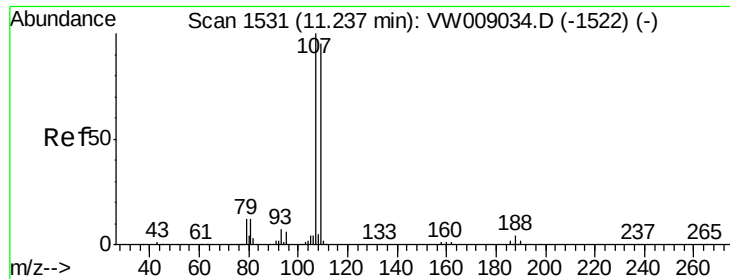
Tgt Ion: 129 Resp: 21178

Ion Ratio Lower Upper

129 100

127 82.6 38.4 115.1

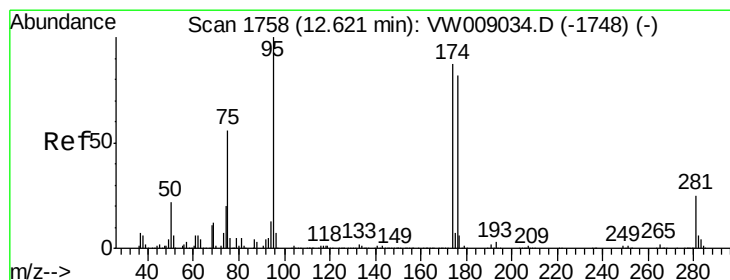
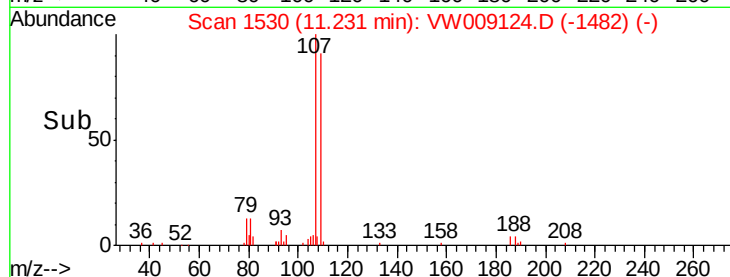
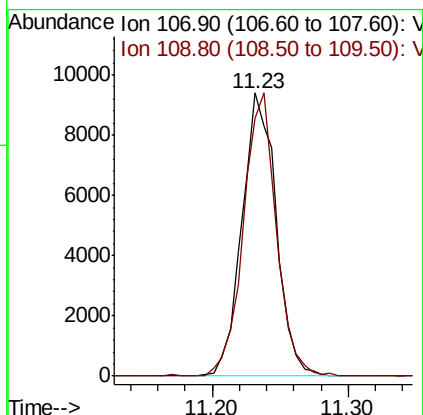
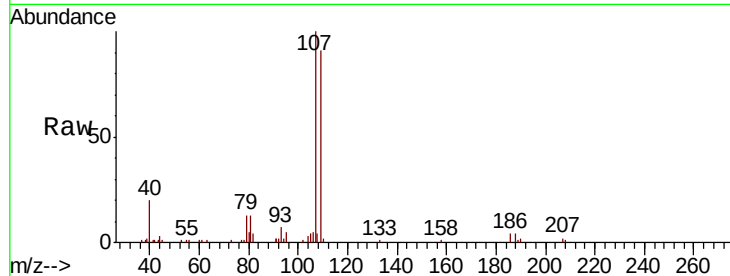




#61
 1,2-Dibromoethane
 Concen: 14.090 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

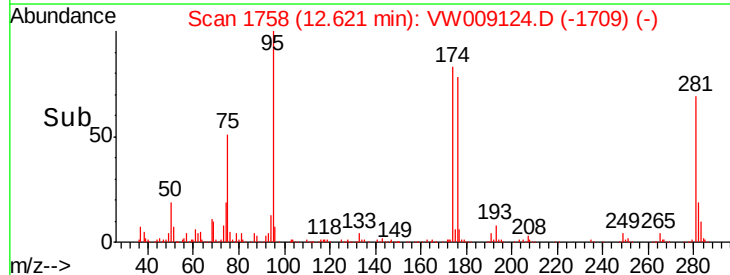
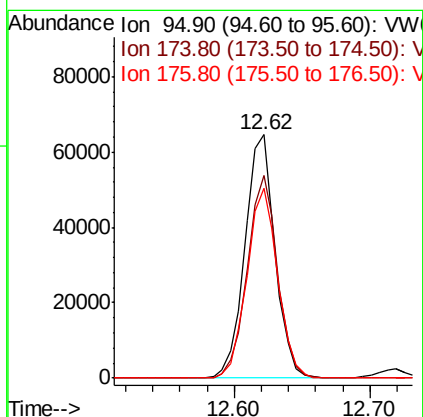
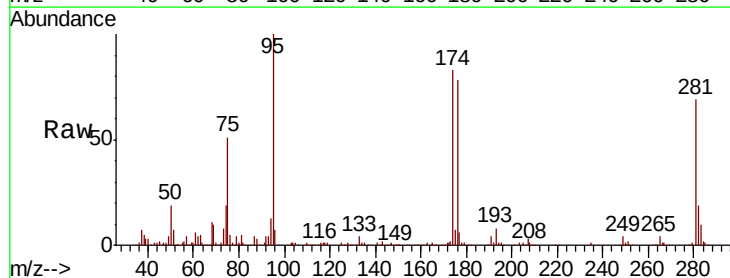
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

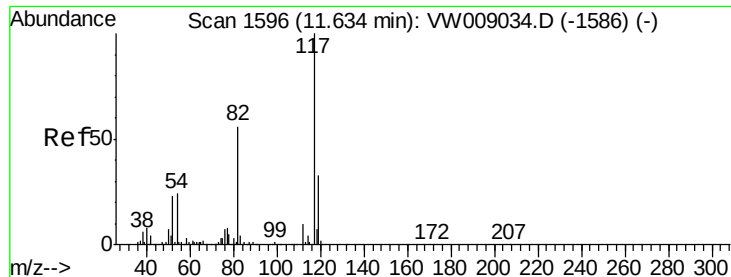
Tgt Ion: 107 Resp: 16544
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 44.317 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion: 95 Resp: 99857
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 167.0
 176 79.8 0.0 159.4

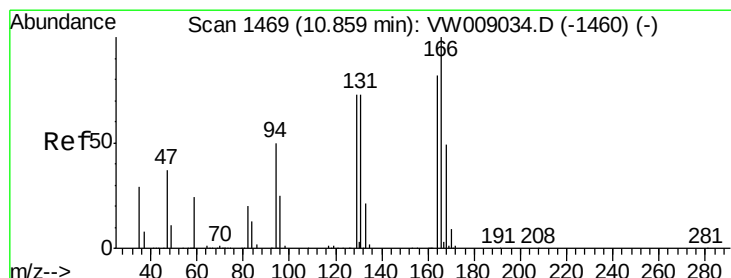
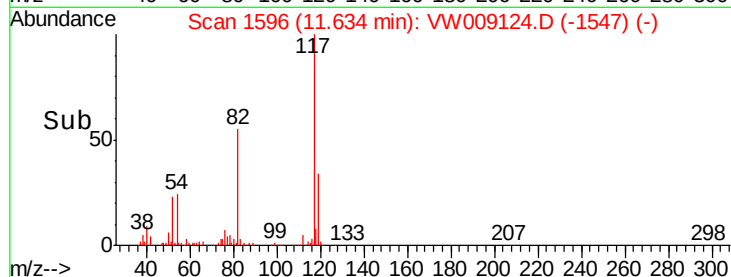
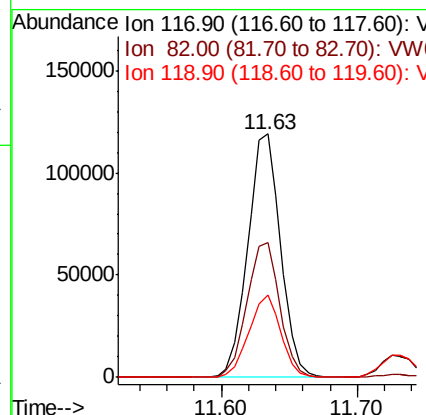
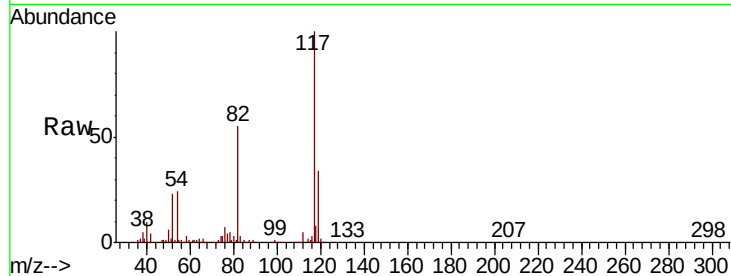




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

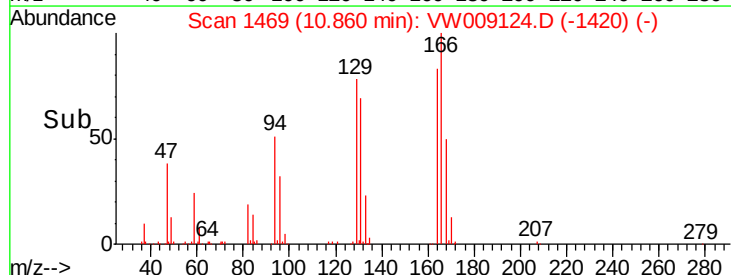
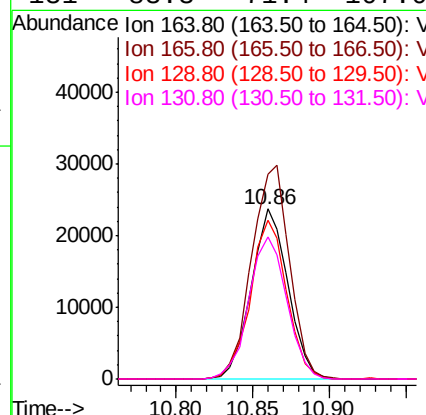
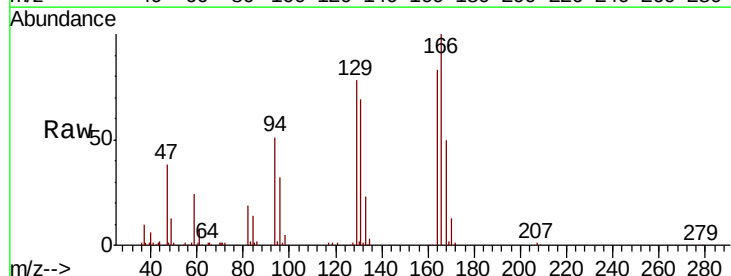
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

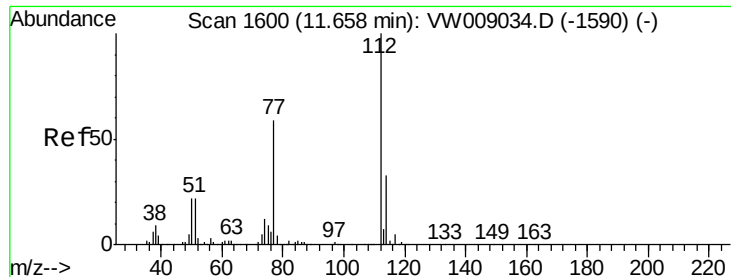
Tgt Ion:117 Resp: 199996
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.6
119 33.6 26.6 39.8



#64
Tetrachloroethene
Concen: 27.443 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion:164 Resp: 39581
Ion Ratio Lower Upper
164 100
166 120.2 97.8 146.6
129 93.4 71.6 107.4
131 83.3 71.4 107.0

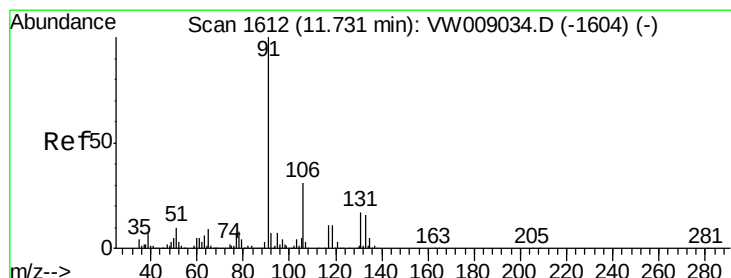
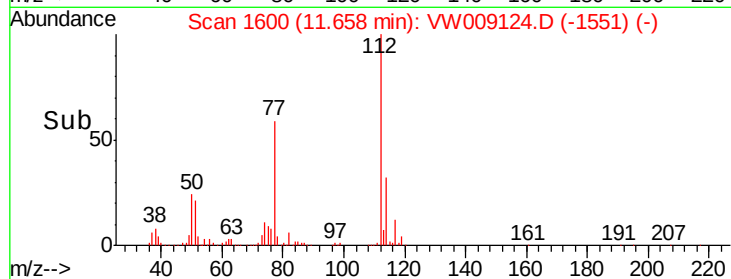
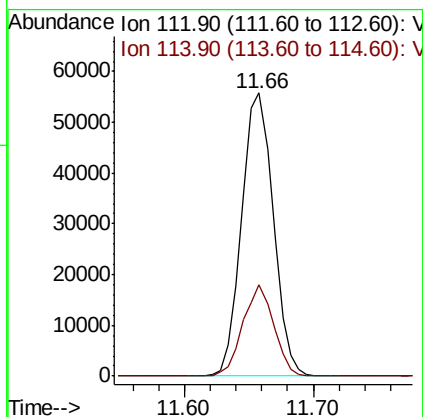
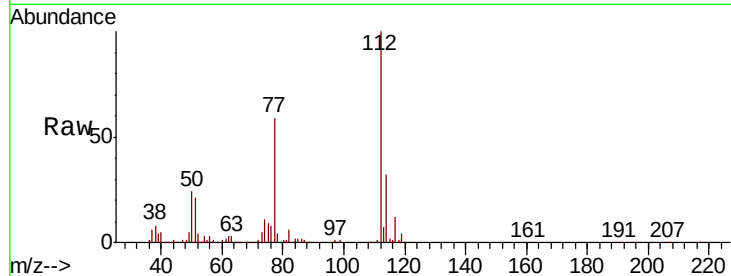




#65
Chlorobenzene
Concen: 21.773 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

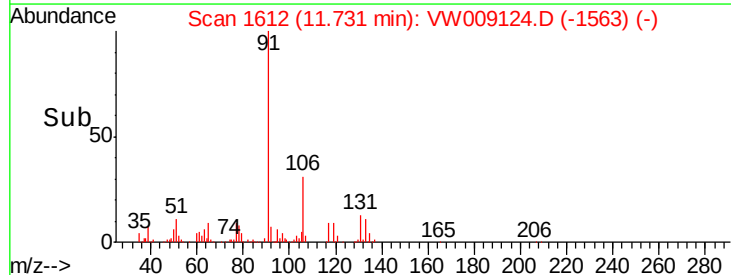
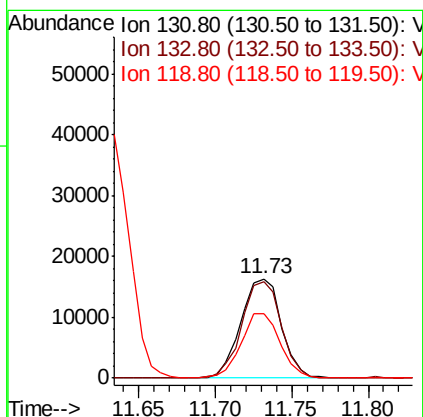
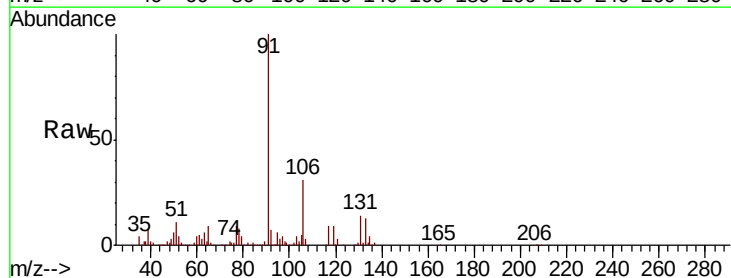
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

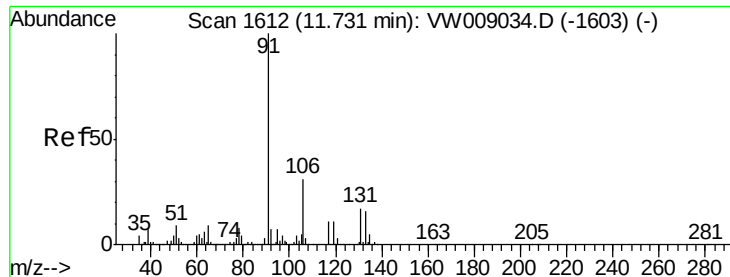
Tgt Ion:112 Resp: 94782
Ion Ratio Lower Upper
112 100
114 32.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.592 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion:131 Resp: 29931
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 63.5 31.3 93.8





#67

Ethyl Benzene

Concen: 23.877 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

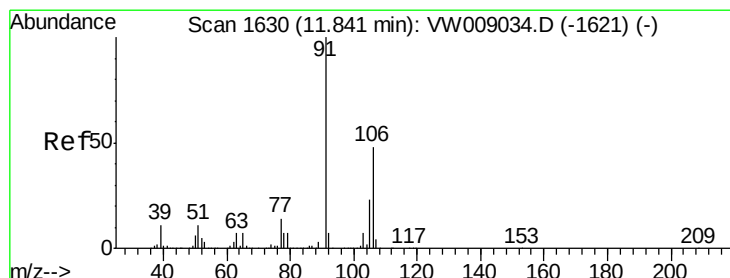
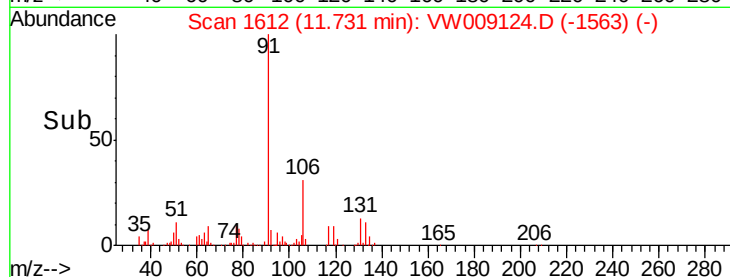
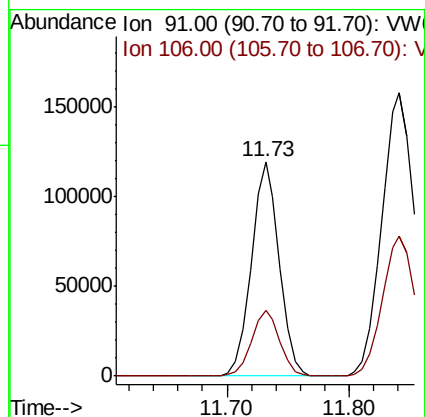
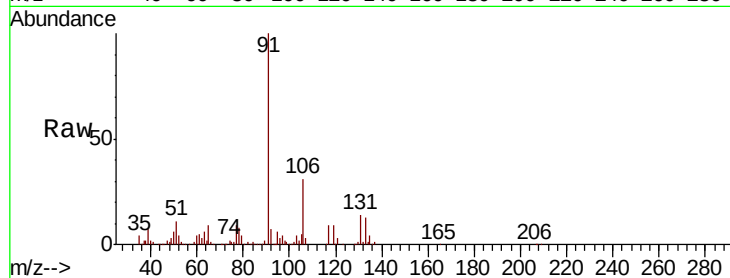
VW0312SBSD01

Tgt Ion: 91 Resp: 187775

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



#68

m/p-Xylenes

Concen: 46.651 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009124.D

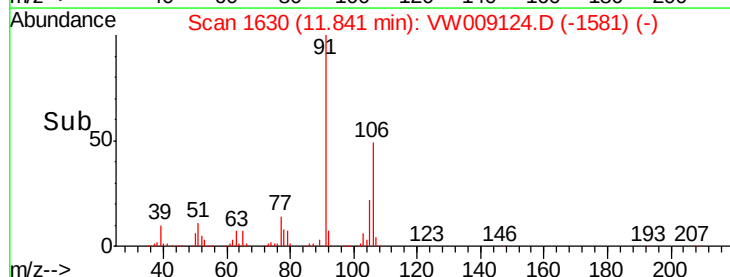
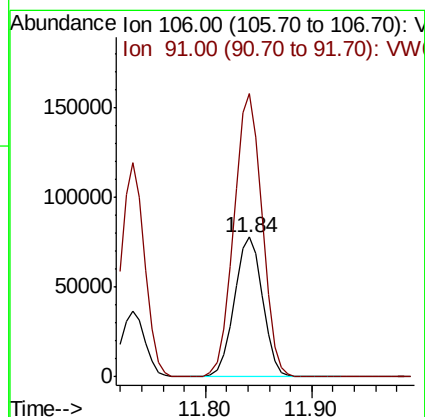
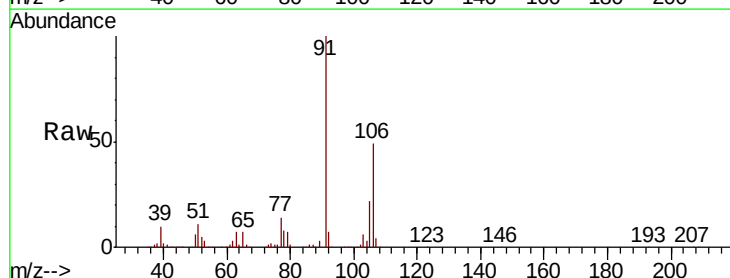
Acq: 12 Mar 2019 15:20

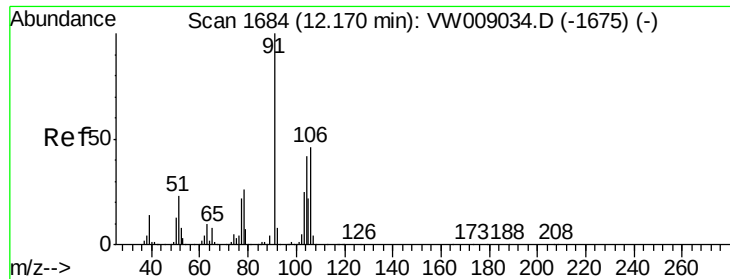
Tgt Ion: 106 Resp: 144811

Ion Ratio Lower Upper

106 100

91 202.2 163.2 244.8

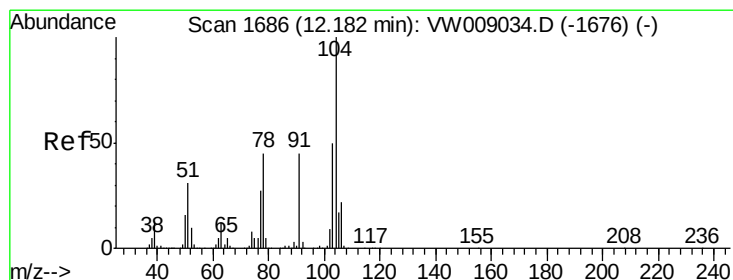
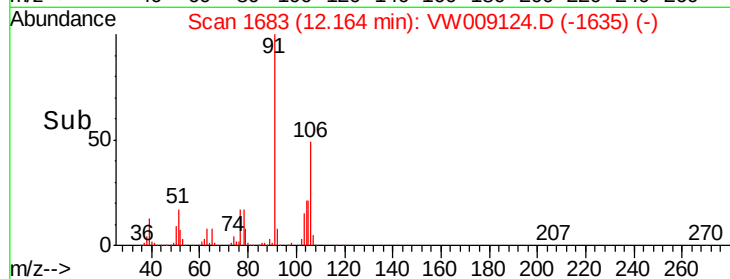
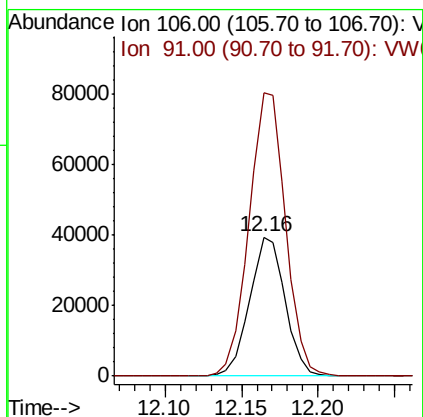
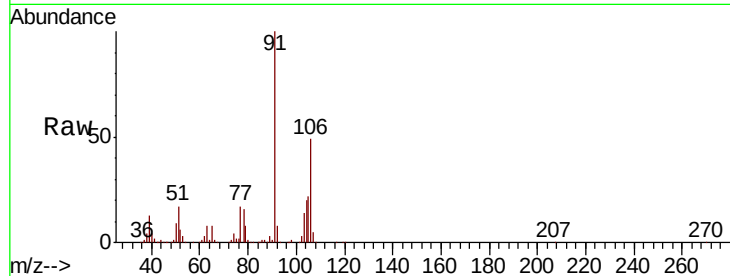




#69
o-Xylene
Concen: 22.027 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

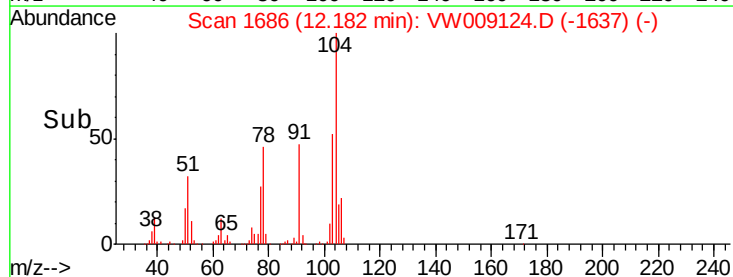
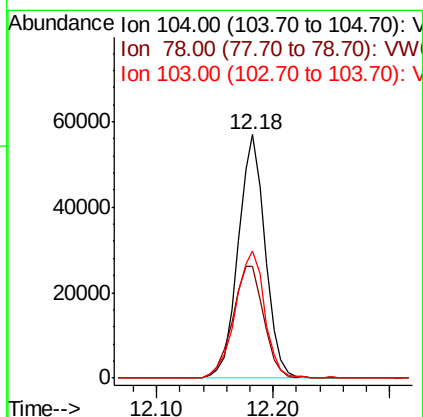
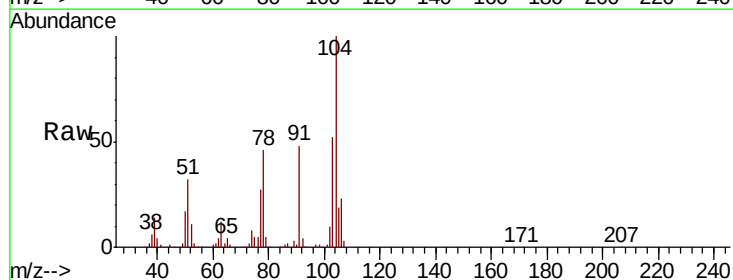
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

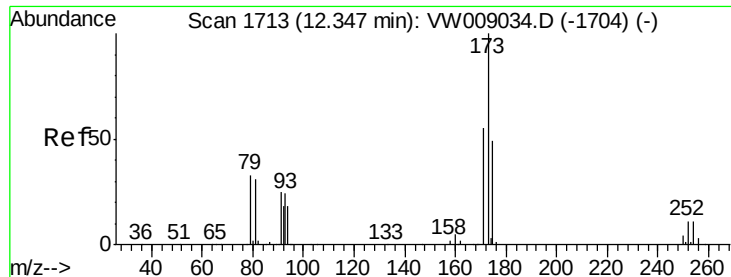
Tgt Ion:106 Resp: 63620
Ion Ratio Lower Upper
106 100
91 209.2 108.6 325.6



#70
Styrene
Concen: 19.659 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion:104 Resp: 91868
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 56.9 43.9 65.9





#71

Bromoform

Concen: 15.686 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

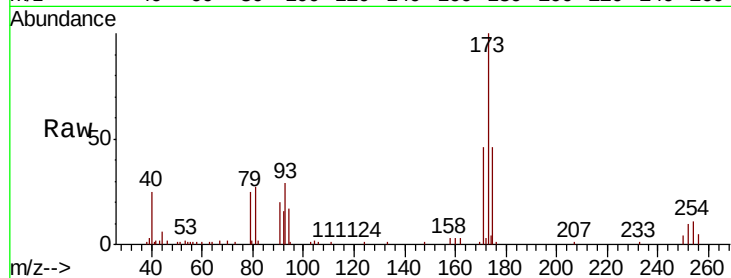
Tgt Ion:173 Resp: 12242

Ion Ratio Lower Upper

173 100

175 47.0 24.6 74.0

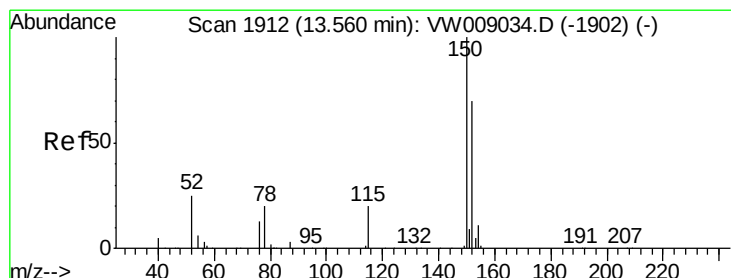
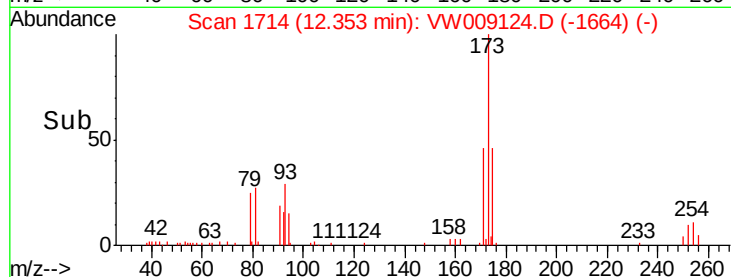
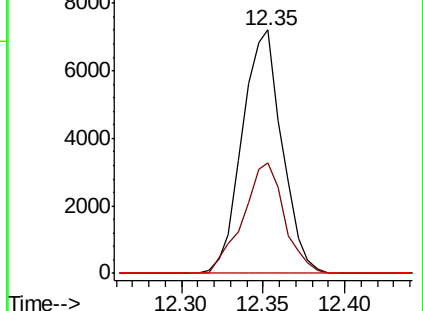
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

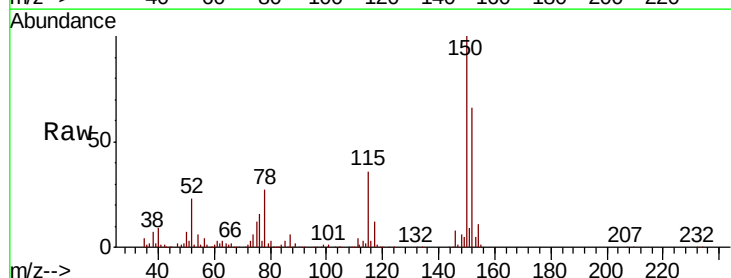
Tgt Ion:152 Resp: 98073

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

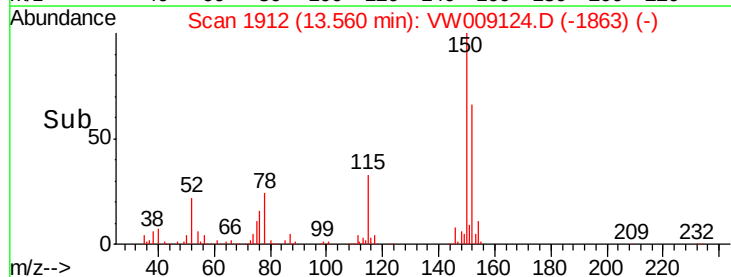
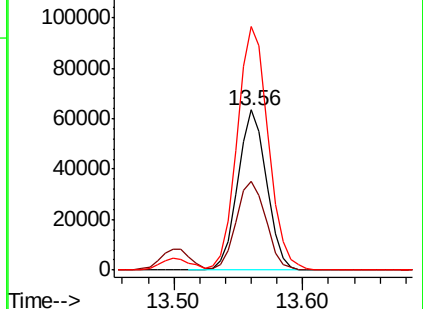
150 163.3 0.0 349.2

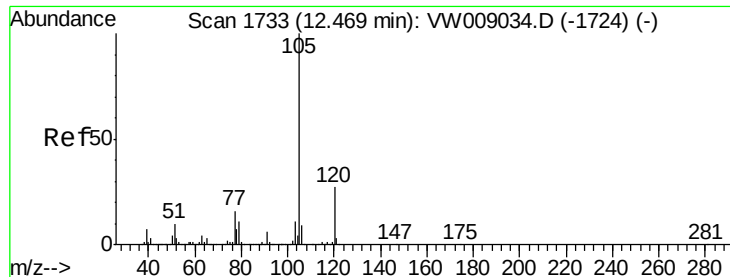


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 27.425 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

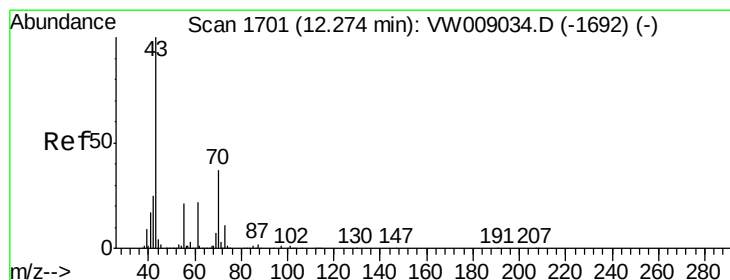
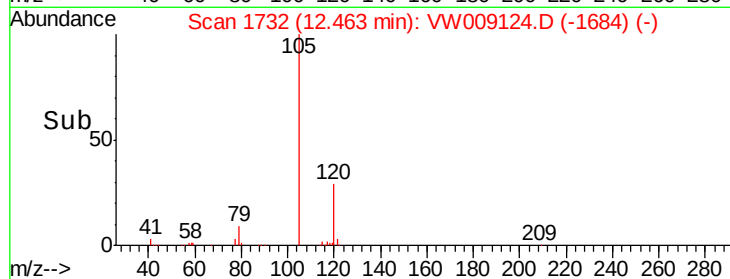
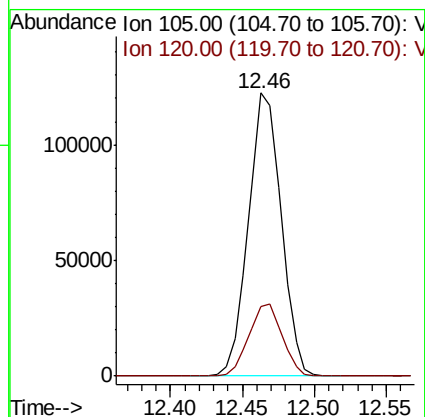
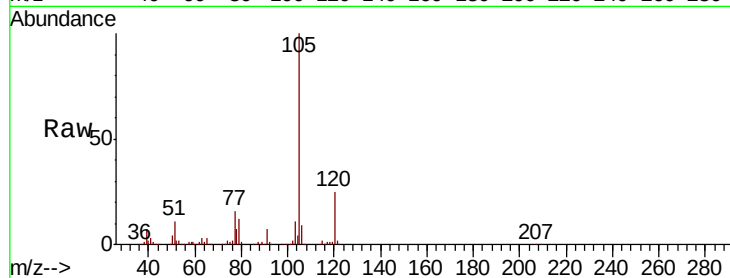
VW0312SBSD01

Tgt Ion: 105 Resp: 192611

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.6



#74

N-ethyl acetate

Concen: 14.459 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion: 43 Resp: 24040

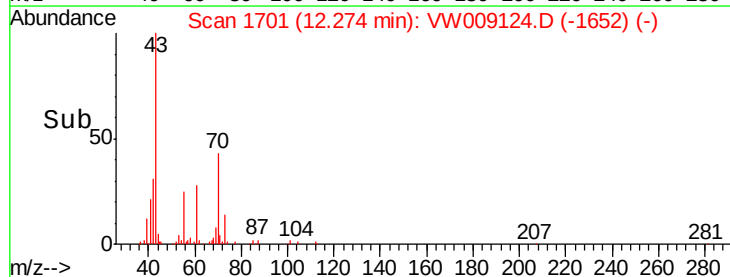
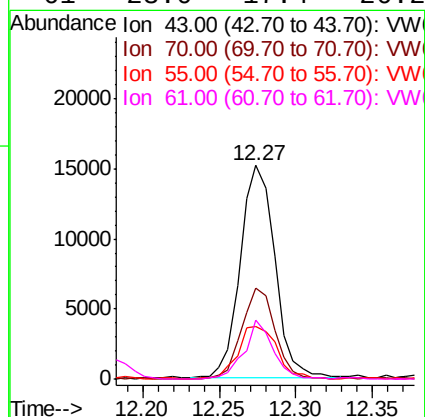
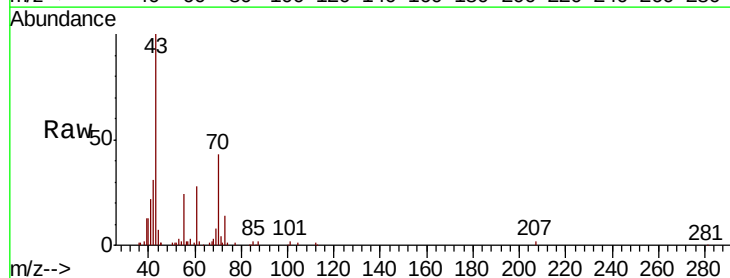
Ion Ratio Lower Upper

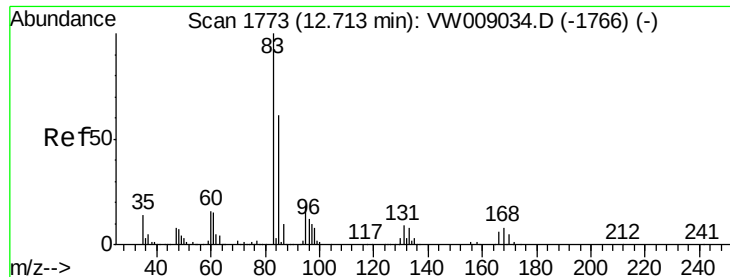
43 100

70 41.0 30.8 46.2

55 27.6 17.8 26.8#

61 23.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.821 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

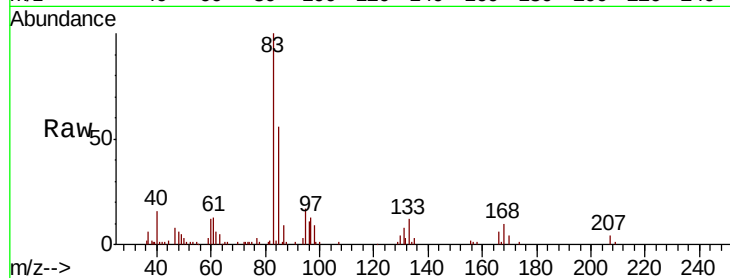
Tgt Ion: 83 Resp: 19743

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

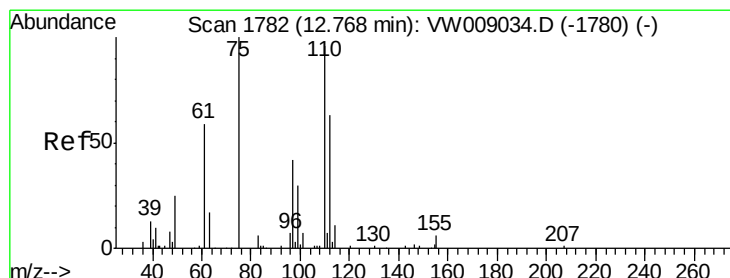
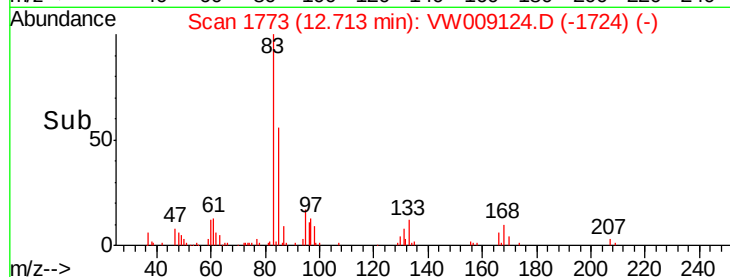
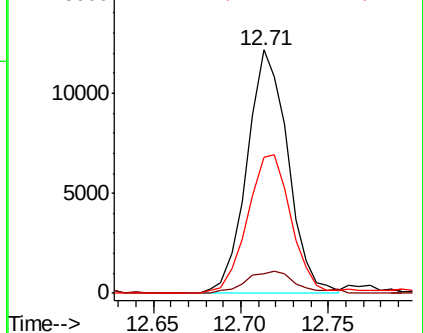
85 61.2 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.679 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009124.D

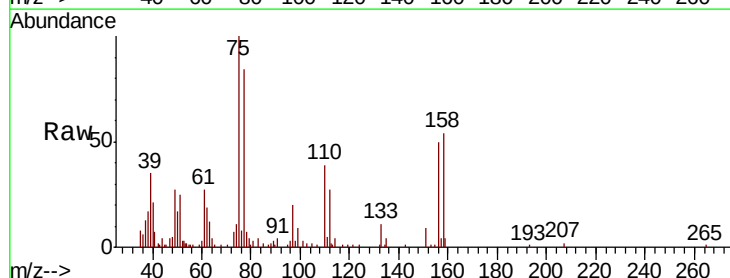
Acq: 12 Mar 2019 15:20

Tgt Ion: 75 Resp: 27646

Ion Ratio Lower Upper

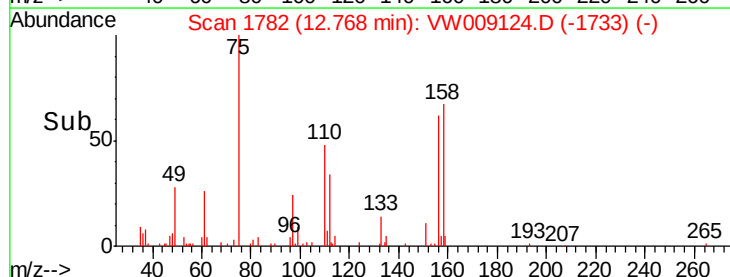
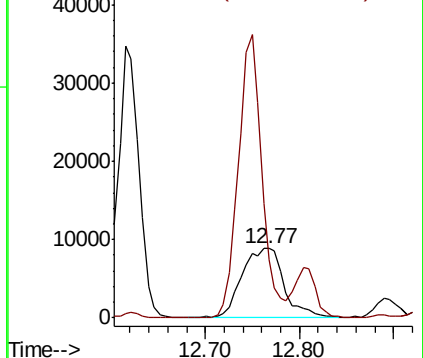
75 100

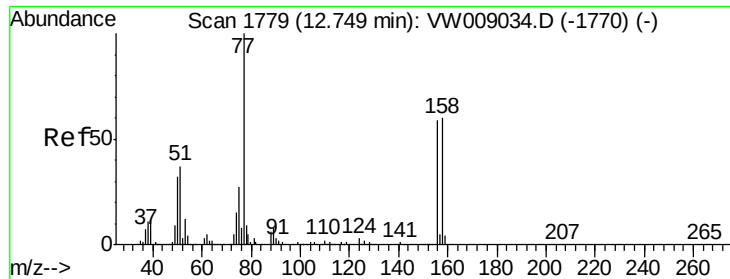
77 230.0 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.334 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

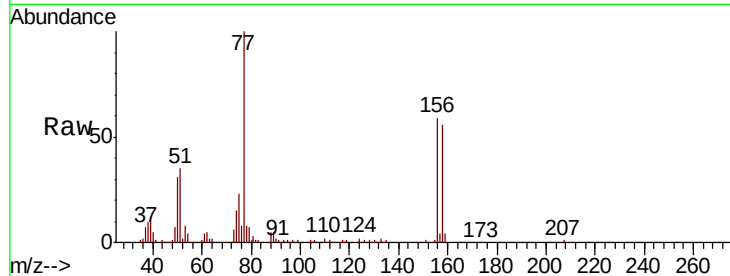
Tgt Ion:156 Resp: 35839

Ion Ratio Lower Upper

156 100

77 177.4 93.0 279.2

158 95.3 50.0 149.8

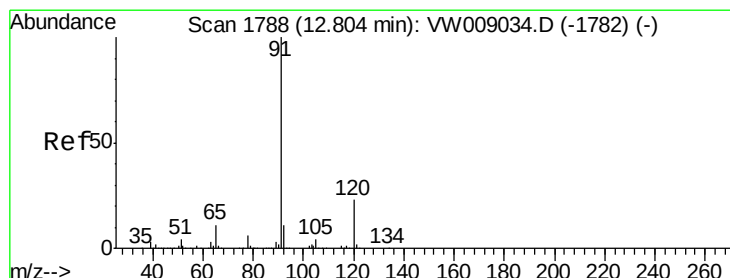
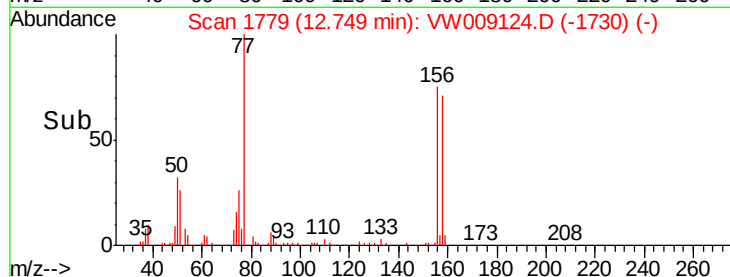
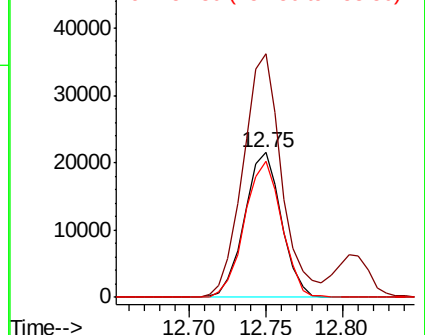


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 27.329 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009124.D

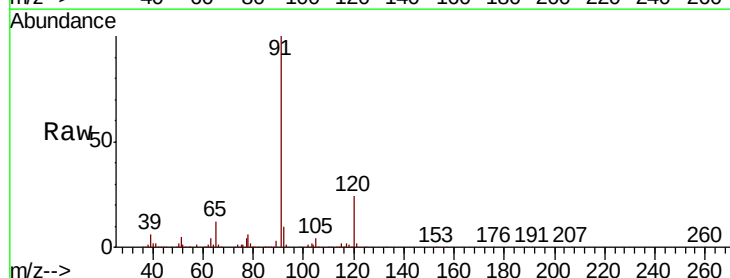
Acq: 12 Mar 2019 15:20

Tgt Ion: 91 Resp: 236417

Ion Ratio Lower Upper

91 100

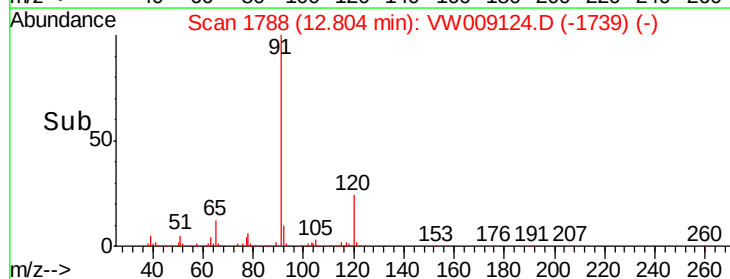
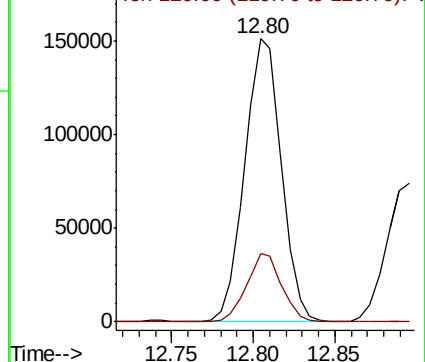
120 23.2 11.4 34.2

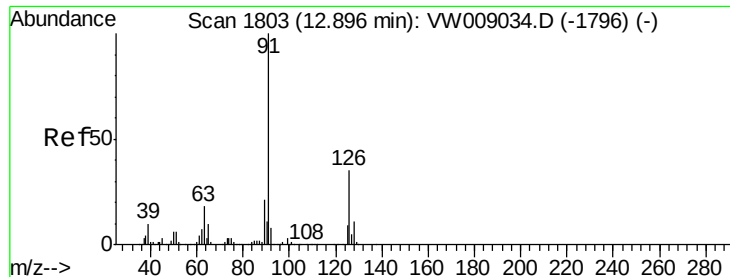


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.819 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

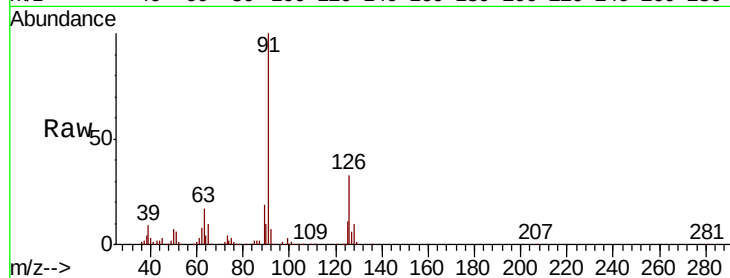
VW0312SBSD01

Tgt Ion: 91 Resp: 120627

Ion Ratio Lower Upper

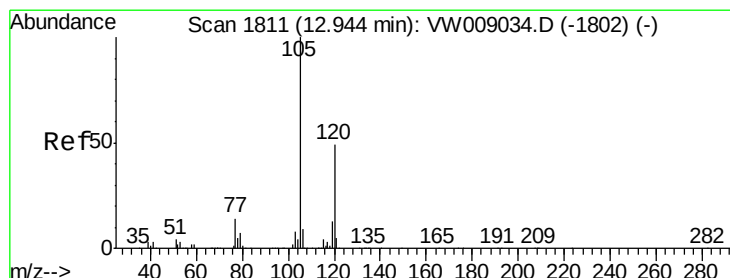
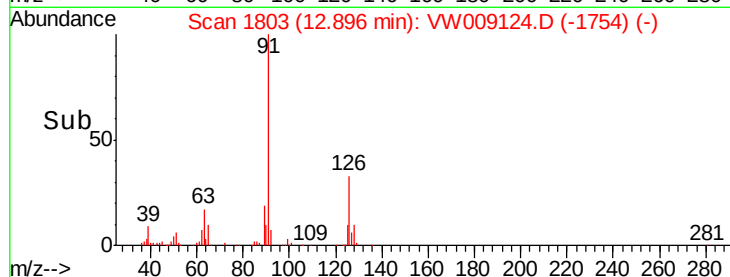
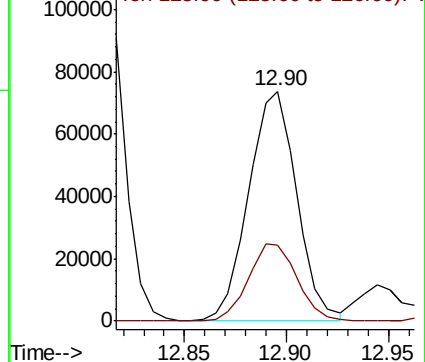
91 100

126 34.1 16.8 50.4



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: 25.259 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009124.D

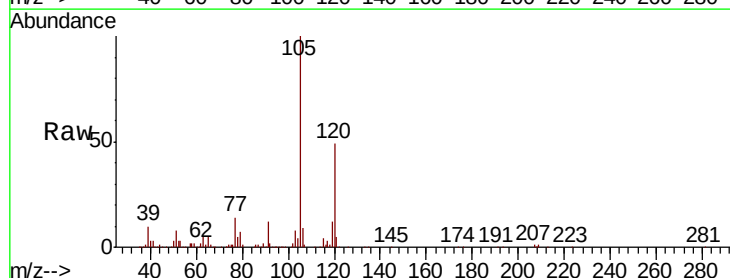
Acq: 12 Mar 2019 15:20

Tgt Ion: 105 Resp: 152915

Ion Ratio Lower Upper

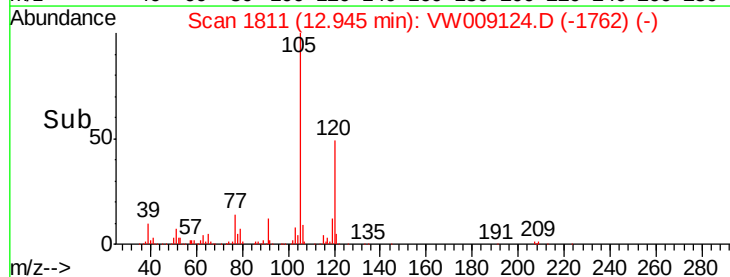
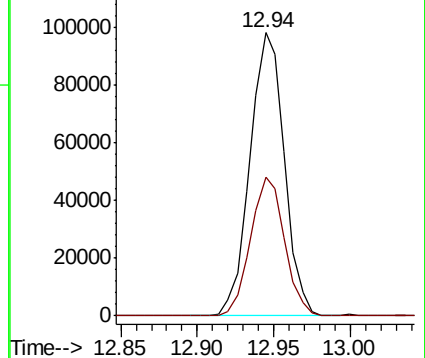
105 100

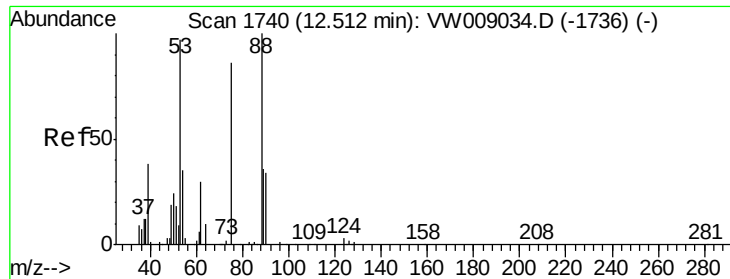
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

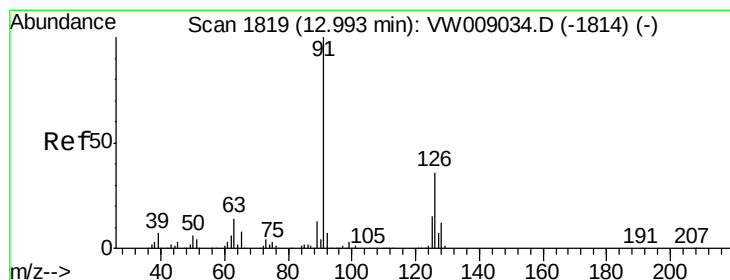
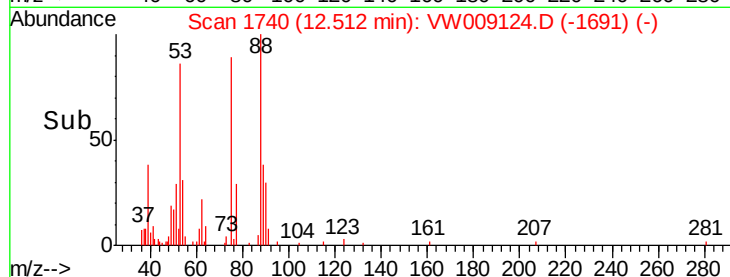
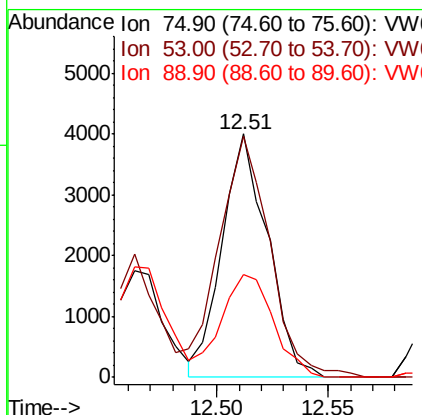
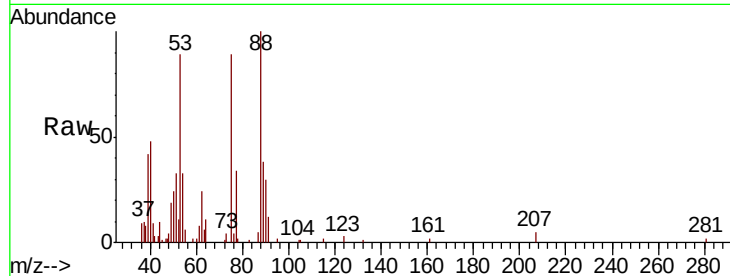




#81
trans-1,4-Dichloro-2-butene
Concen: 16.422 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

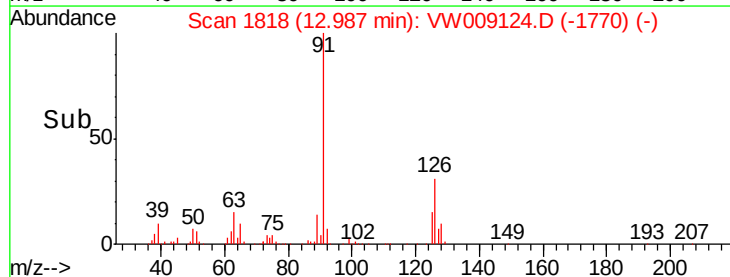
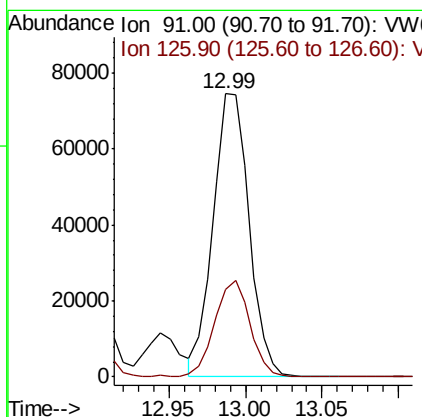
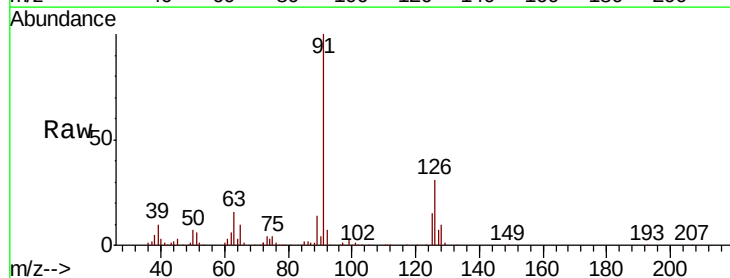
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

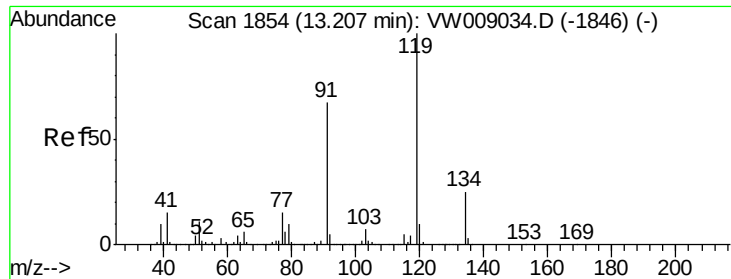
Tgt Ion: 75 Resp: 5689
Ion Ratio Lower Upper
75 100
53 112.5 90.5 135.7
89 48.9 37.5 56.3



#82
4-Chlorotoluene
Concen: 23.557 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 91 Resp: 122049
Ion Ratio Lower Upper
91 100
126 33.7 16.6 49.8

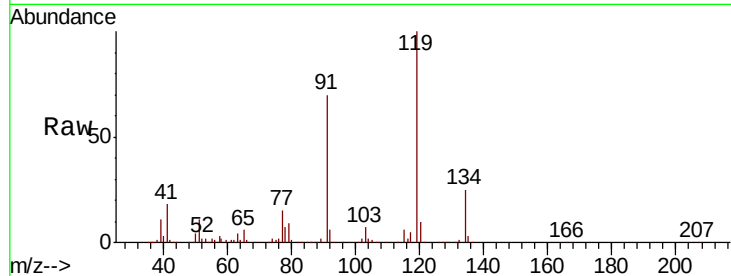




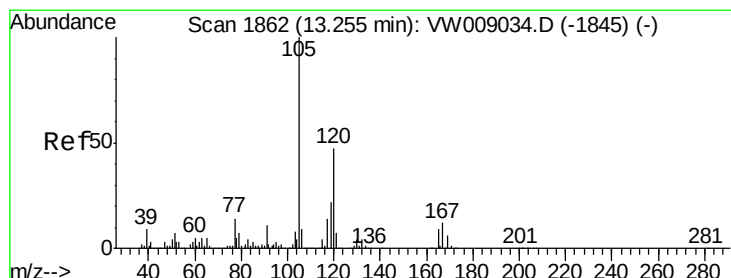
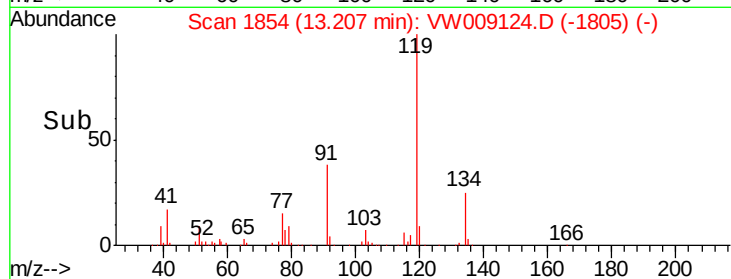
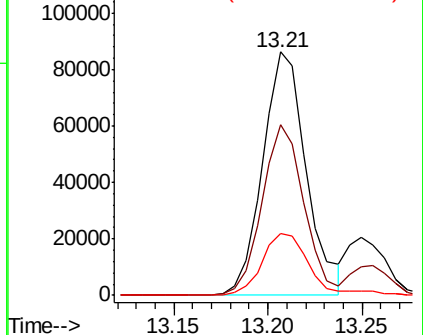
#83
 tert-Butylbenzene
 Concen: 27.140 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Tgt Ion:119 Resp: 138571
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.2 102.5
 134 27.6 13.9 41.6

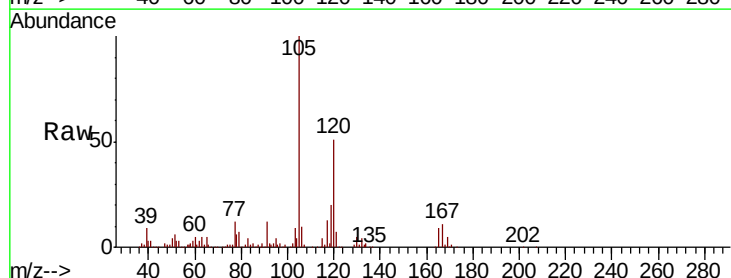


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

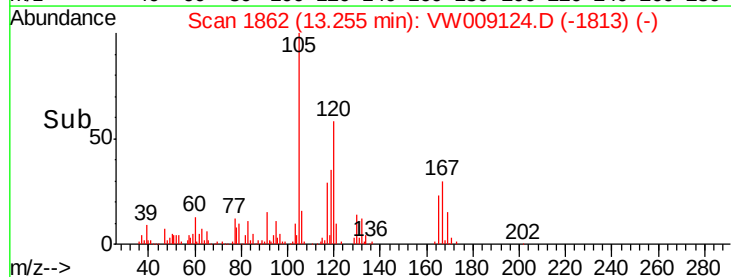
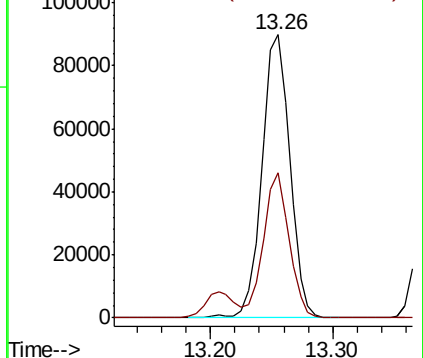


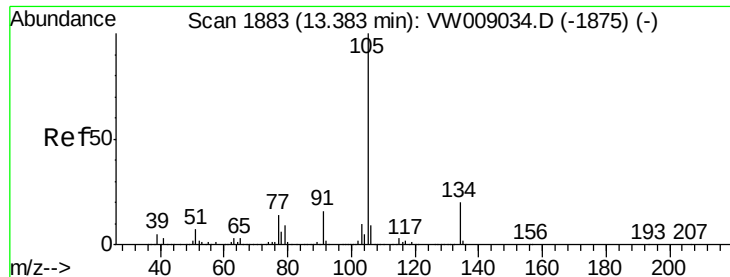
#84
 1,2,4-Trimethylbenzene
 Concen: 23.336 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion:105 Resp: 142906
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

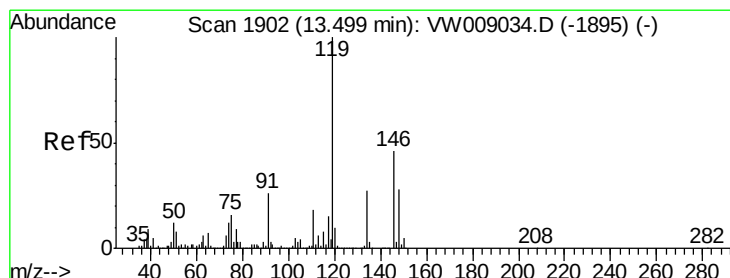
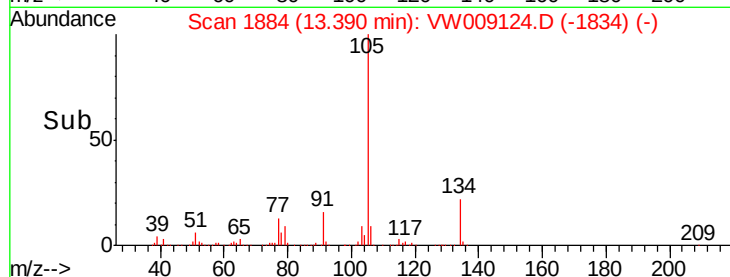
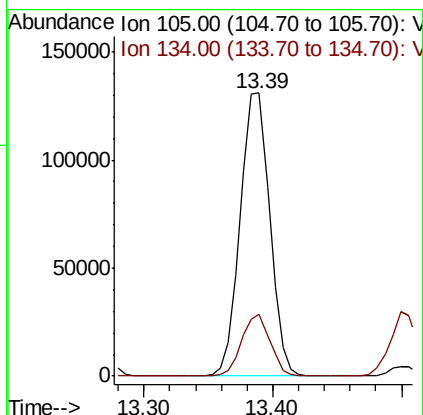
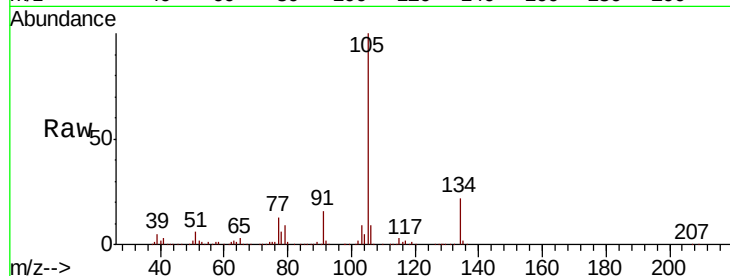




#85
 sec-Butylbenzene
 Concen: 27.554 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

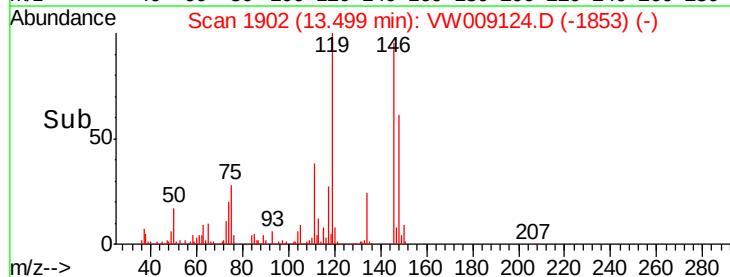
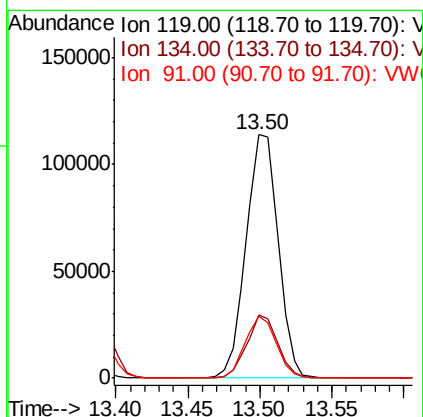
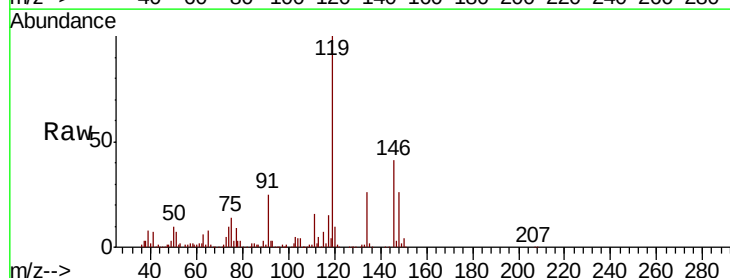
Instrument :
 MSVOA_W
 ClientSampled :
 VW0312SBSD01

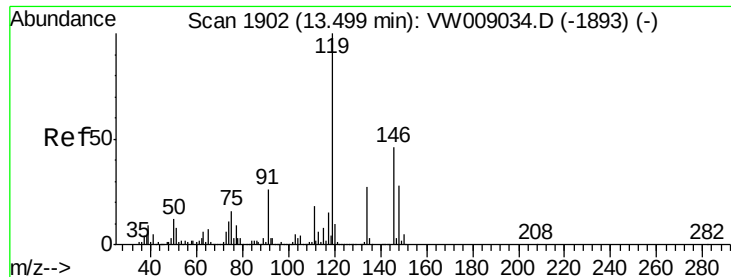
Tgt Ion:105 Resp: 208441
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 25.920 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion:119 Resp: 175410
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.3 39.9
 91 25.0 12.3 36.9

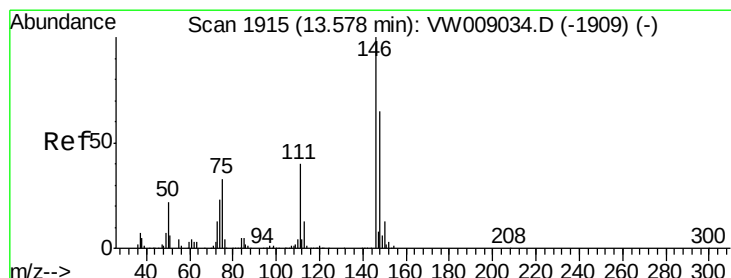
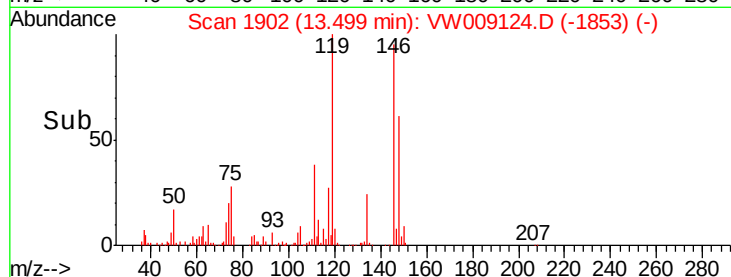
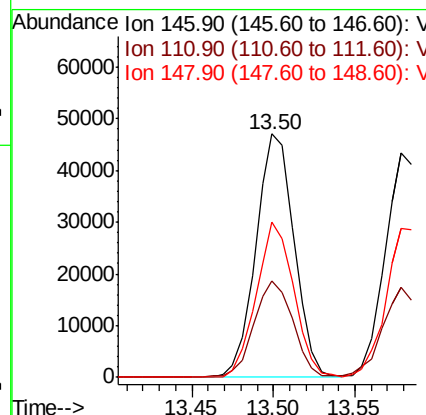
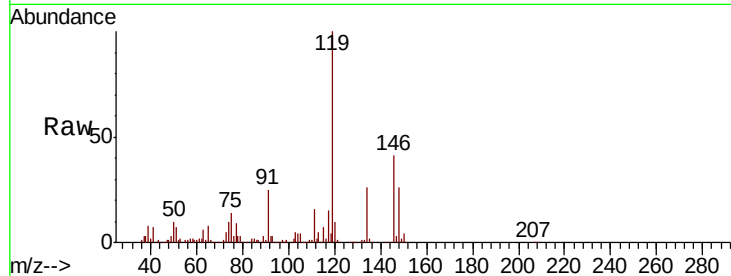




#87
 1,3-Dichlorobenzene
 Concen: 22.752 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

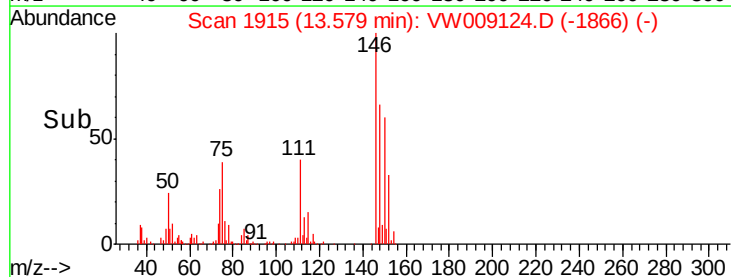
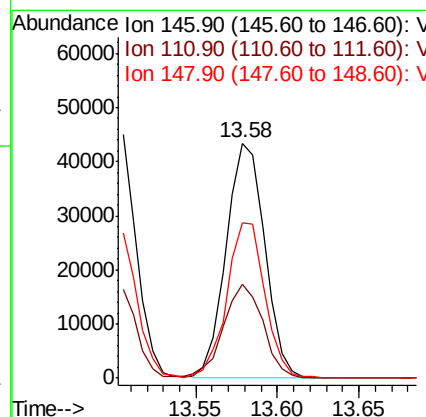
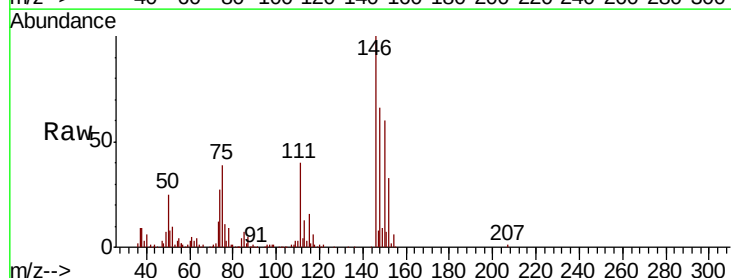
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

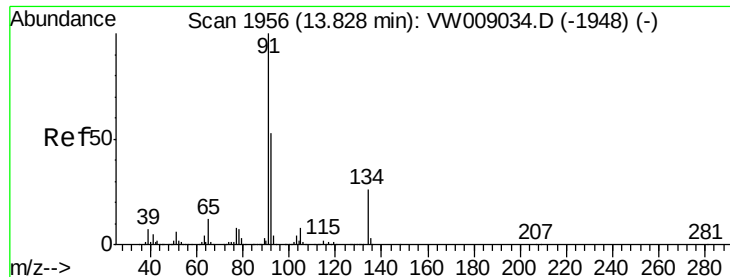
Tgt Ion:146 Resp: 76729
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.8 59.4
 148 62.4 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.546 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion:146 Resp: 71808
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.7 59.0
 148 65.0 32.2 96.6





#89

n-Butylbenzene

Concen: 25.055 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

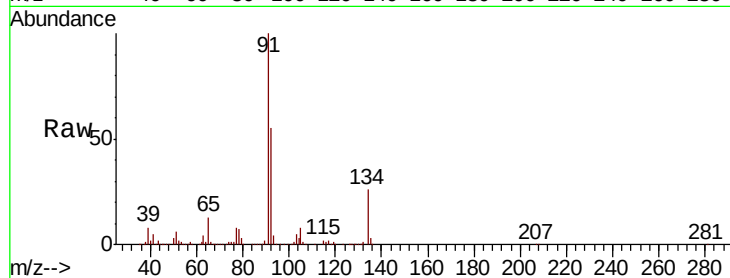
Tgt Ion: 91 Resp: 161186

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.3

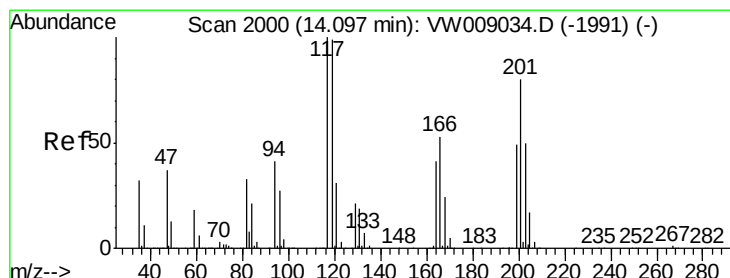
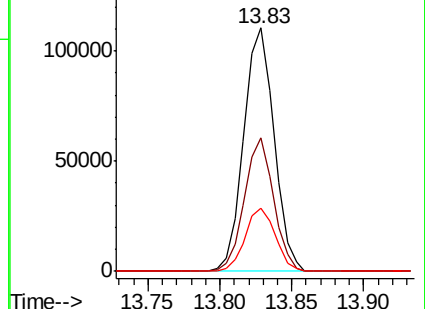
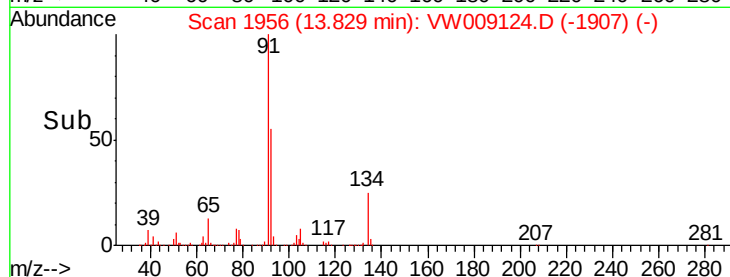
134 25.9 12.9 38.7



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: 26.371 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009124.D

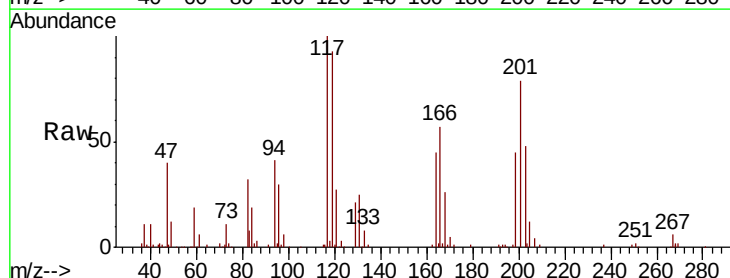
Acq: 12 Mar 2019 15:20

Tgt Ion: 117 Resp: 30779

Ion Ratio Lower Upper

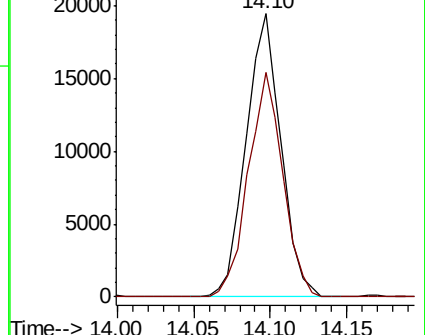
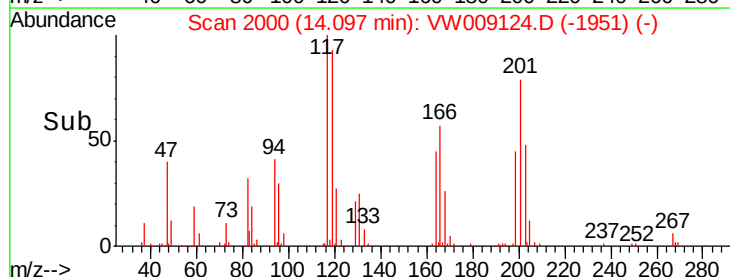
117 100

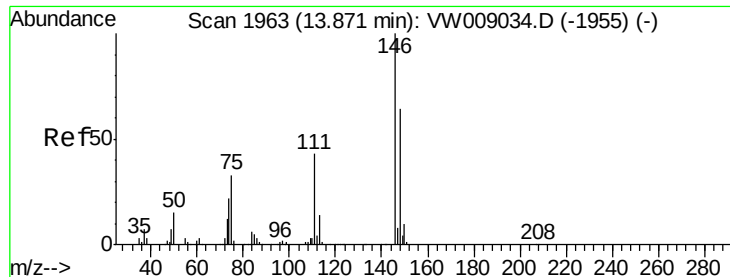
201 78.7 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.663 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

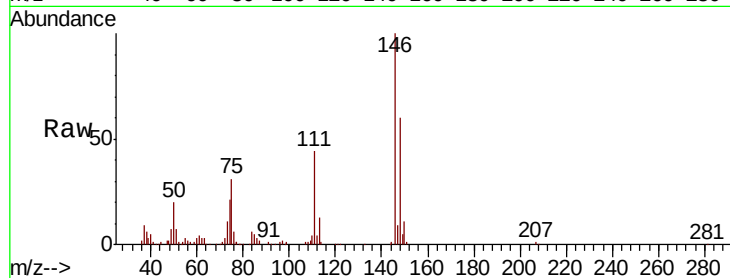
Tgt Ion:146 Resp: 61481

Ion Ratio Lower Upper

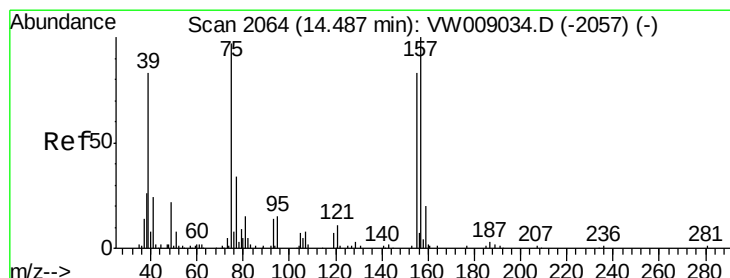
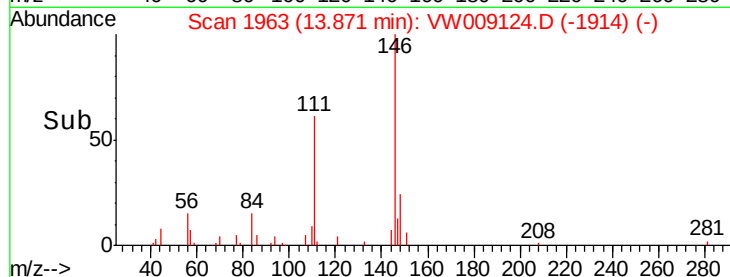
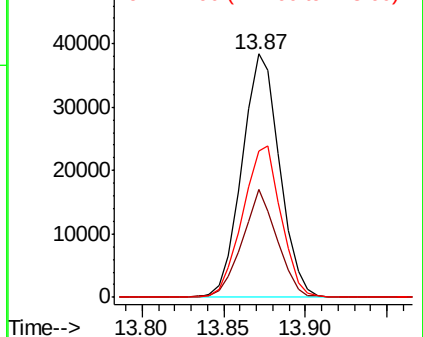
146 100

111 41.5 21.1 63.1

148 63.9 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.671 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

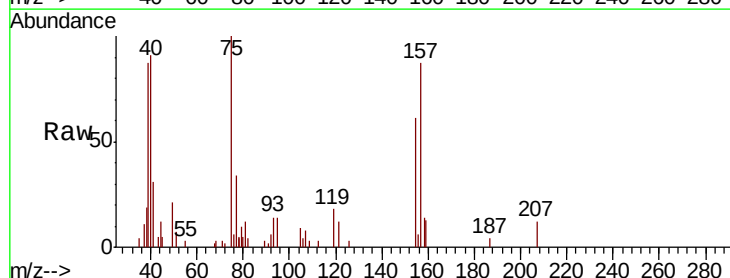
Tgt Ion: 75 Resp: 3092

Ion Ratio Lower Upper

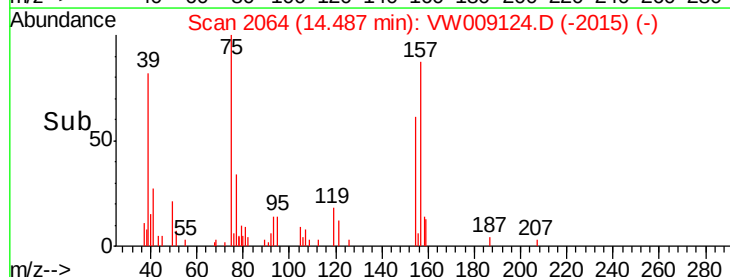
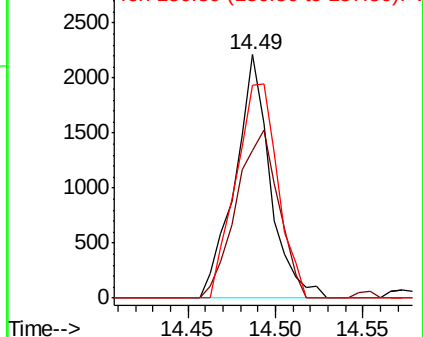
75 100

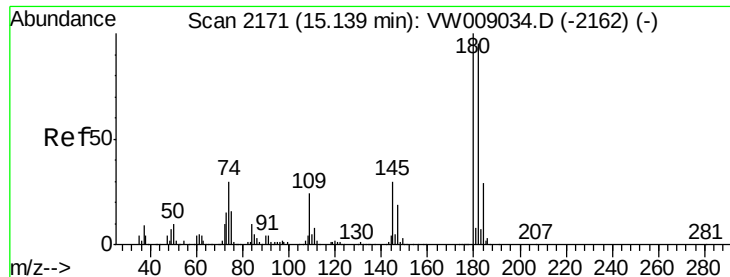
155 83.1 40.8 122.4

157 104.5 52.4 157.3



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

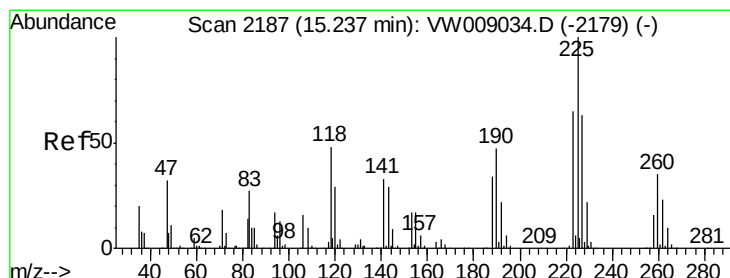
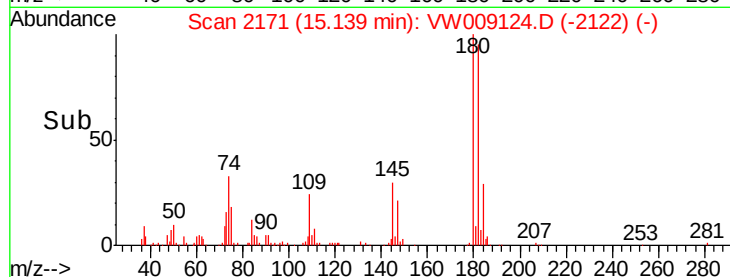
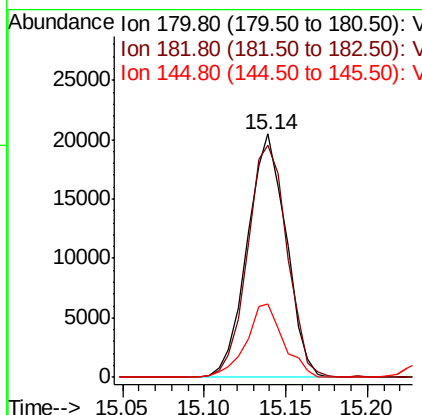
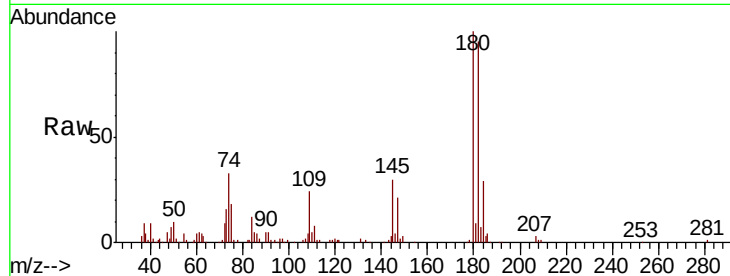




#93
 1,2,4-Trichlorobenzene
 Concen: 16.894 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

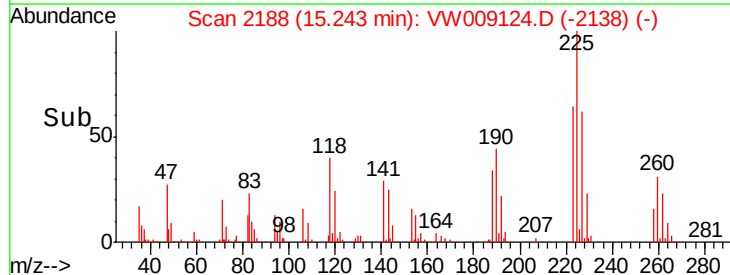
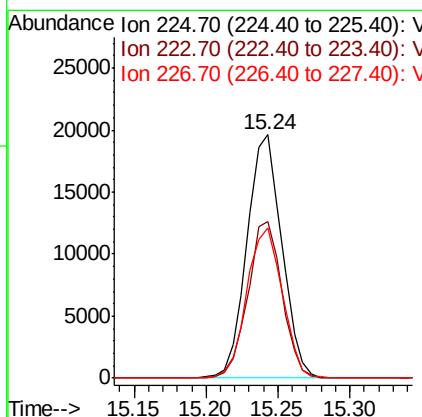
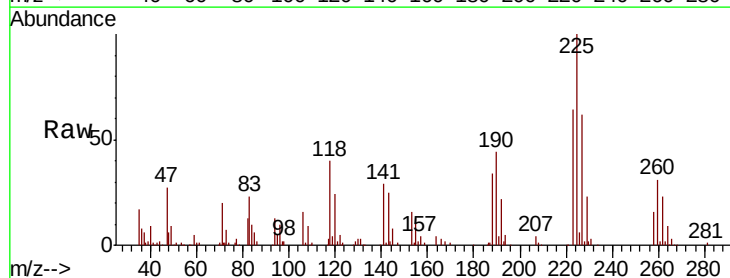
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

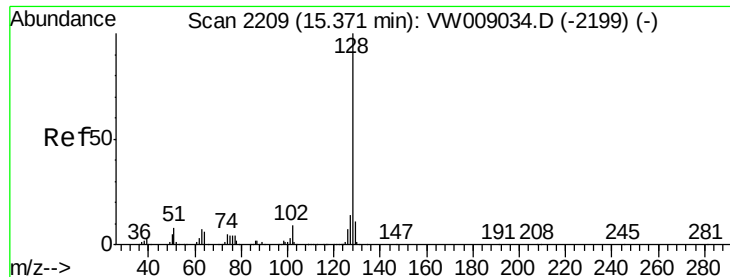
Tgt Ion:180 Resp: 33948
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.1 144.3
 145 29.4 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 26.076 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion:225 Resp: 32820
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 94.8
 227 62.9 32.0 96.2





#95

Naphthalene

Concen: 11.995 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

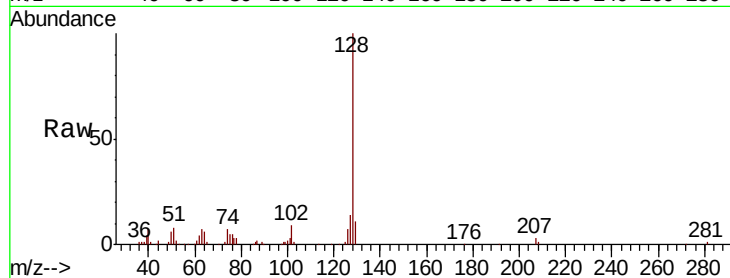
Tgt Ion:128 Resp: 39454

Ion Ratio Lower Upper

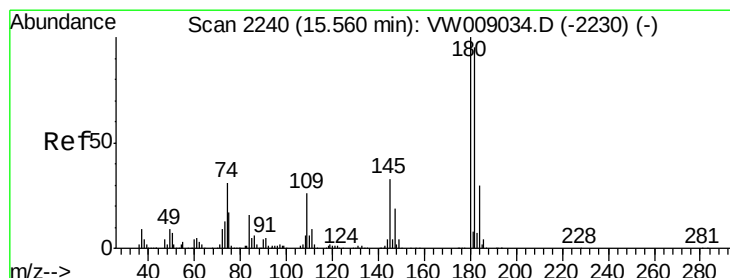
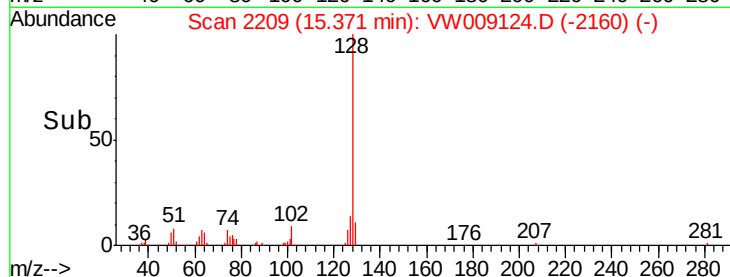
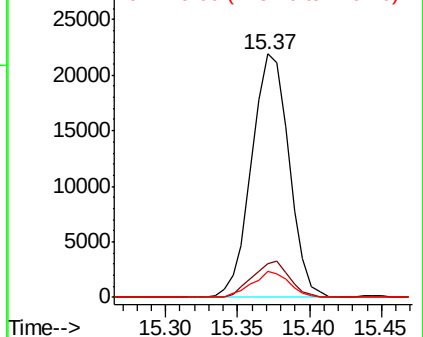
128 100

127 14.4 11.0 16.6

129 10.3 8.8 13.2



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: 15.144 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

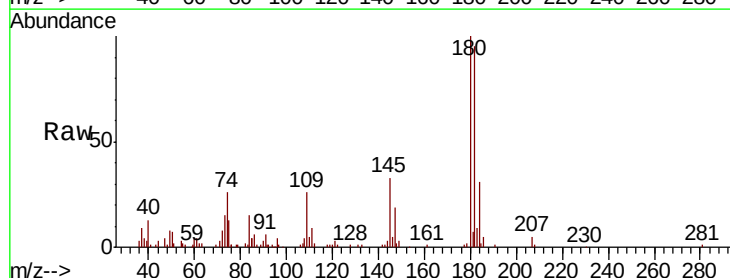
Tgt Ion:180 Resp: 26759

Ion Ratio Lower Upper

180 100

182 97.7 48.1 144.3

145 31.8 15.8 47.3



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

