

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009136.D
 Acq On : 13 Mar 2019 05:21
 Operator : SY/VA
 Sample : VW0312SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Quant Time: Mar 13 07:00:44 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	218581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181964	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	143865	65.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.84%	
35) Dibromofluoromethane	7.88	113	118136	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
50) Toluene-d8	10.32	98	466351	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.62	95	174519	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	47618	21.616	ug/l	98
3) Chloromethane	2.21	50	65888	23.545	ug/l	99
4) Vinyl Chloride	2.35	62	59705	21.023	ug/l	98
5) Bromomethane	2.77	94	73745	30.762	ug/l	98
6) Chloroethane	2.91	64	50808	25.130	ug/l	100
7) Trichlorofluoromethane	3.25	101	80030	21.887	ug/l	98
8) Diethyl Ether	3.68	74	28523	25.511	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48977	21.506	ug/l	100
10) Methyl Iodide	4.26	142	31593	15.161	ug/l	98
11) Tert butyl alcohol	5.21	59	19570	116.128	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	43502	22.144	ug/l	97
13) Acrolein	3.90	56	17655	95.205	ug/l	98
14) Allyl chloride	4.67	41	77324	22.314	ug/l	99
15) Acrylonitrile	5.37	53	63022	129.149	ug/l	98
16) Acetone	4.15	43	52616	106.026	ug/l	95
17) Carbon Disulfide	4.37	76	139422	21.094	ug/l	99
18) Methyl Acetate	4.68	43	28946	25.366	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	136676	26.301	ug/l	97
20) Methylene Chloride	4.92	84	60707	23.084	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	51455	22.684	ug/l	92
22) Diisopropyl ether	6.31	45	177315	25.749	ug/l	96
23) Vinyl Acetate	6.26	43	535447	124.950	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97518	24.415	ug/l	97
25) 2-Butanone	7.18	43	84350	122.989	ug/l	99
26) 2,2-Dichloropropane	7.16	77	71404	19.667	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	59395	24.381	ug/l	97
28) Bromochloromethane	7.51	49	41483	24.969	ug/l	100
29) Tetrahydrofuran	7.53	42	55902	129.344	ug/l	98
30) Chloroform	7.67	83	101934	24.788	ug/l	97
31) Cyclohexane	7.95	56	82597	20.140	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	87351	23.018	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75180	20.634	ug/l	100
37) Ethyl Acetate	7.26	43	38351	22.409	ug/l #	95
38) Carbon Tetrachloride	8.07	117	76942	20.448	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80309	18.505	ug/l	98
40) Benzene	8.32	78	214010	22.003	ug/l	100
41) Methacrylonitrile	7.48	41	23580	24.811	ug/l	88
42) 1,2-Dichloroethane	8.40	62	73939	23.547	ug/l	99
43) Isopropyl Acetate	8.43	43	74483	23.367	ug/l	99
44) Trichloroethene	9.09	130	59413	21.794	ug/l	97
45) 1,2-Dichloropropane	9.37	63	54790	22.492	ug/l	99
46) Dibromomethane	9.46	93	30990	23.293	ug/l	99
47) Bromodichloromethane	9.64	83	79842	23.708	ug/l	100
48) Methyl methacrylate	9.44	41	32052	21.595	ug/l #	85
49) 1,4-Dioxane	9.47	88	8583	450.523	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	195414	120.760	ug/l	99
52) Toluene	10.38	92	138942	21.064	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72411	21.740	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	82527	21.561	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	42330	23.475	ug/l	99
56) Ethyl methacrylate	10.65	69	49976	22.331	ug/l	96
57) 1,3-Dichloropropane	10.93	76	73579	23.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137003	118.089	ug/l	98
59) 2-Hexanone	10.97	43	127013	111.637	ug/l	100
60) Dibromochloromethane	11.13	129	51463	23.061	ug/l	98
61) 1,2-Dibromoethane	11.24	107	41692	23.585	ug/l	97
64) Tetrachloroethene	10.86	164	55922	22.508	ug/l	98
65) Chlorobenzene	11.66	112	157076	20.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	57202	22.846	ug/l	97
67) Ethyl Benzene	11.73	91	266517	19.673	ug/l	99
68) m/p-Xylenes	11.84	106	213022	39.838	ug/l	99
69) o-Xylene	12.16	106	99545	20.008	ug/l	98
70) Styrene	12.18	104	166167	20.642	ug/l	99
71) Bromoform	12.35	173	30274	22.518	ug/l #	100
73) Isopropylbenzene	12.46	105	267218	20.507	ug/l	100
74) N-amyl acetate	12.27	43	70657	22.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	50948	24.787	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65225	45.369	ug/l #	1
77) Bromobenzene	12.75	156	65683	22.061	ug/l	98
78) n-propylbenzene	12.80	91	326001	20.311	ug/l	99
79) 2-Chlorotoluene	12.89	91	192150	21.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	229242	20.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13247	20.610	ug/l	96
82) 4-Chlorotoluene	12.99	91	201547	20.967	ug/l	100
83) tert-Butylbenzene	13.21	119	189595	20.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	232731	20.483	ug/l	99
85) sec-Butylbenzene	13.38	105	277385	19.763	ug/l	98
86) p-Isopropyltoluene	13.50	119	240318	19.140	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	130979	20.933	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	129585	20.956	ug/l	97
89) n-Butylbenzene	13.83	91	216939	18.175	ug/l	99
90) Hexachloroethane	14.10	117	47354	21.868	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	119458	21.639	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8947	24.439	ug/l	96

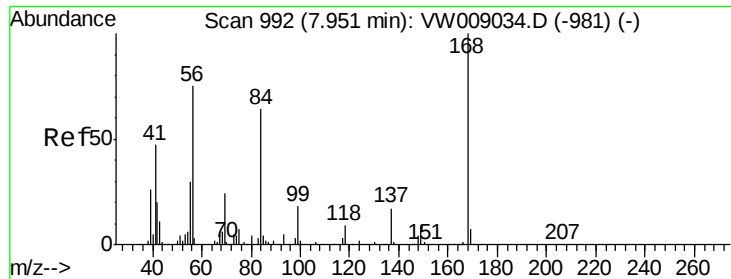
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	71528	19.185	ug/l	100
94) Hexachlorobutadiene	15.24	225	44134	18.899	ug/l	100
95) Naphthalene	15.37	128	126639	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	67816	20.686	ug/l	97

(#) = 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: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

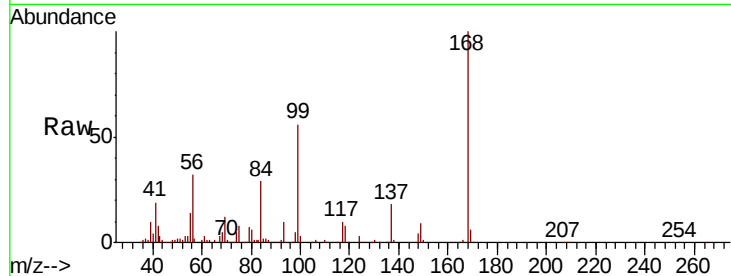
VW0312SBS02

Tgt Ion:168 Resp: 218581

Ion Ratio Lower Upper

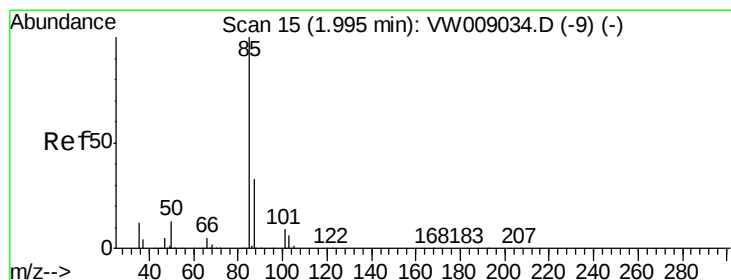
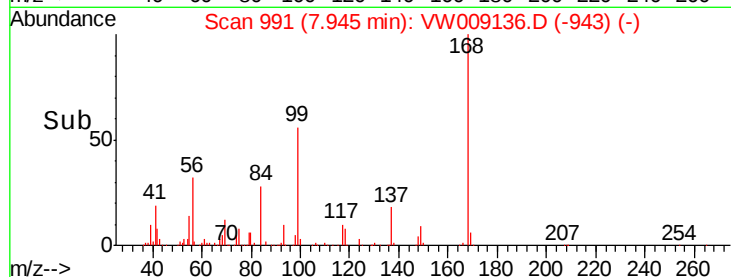
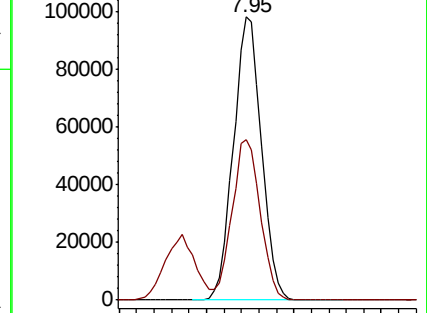
168 100

99 56.4 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: 21.616 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009136.D

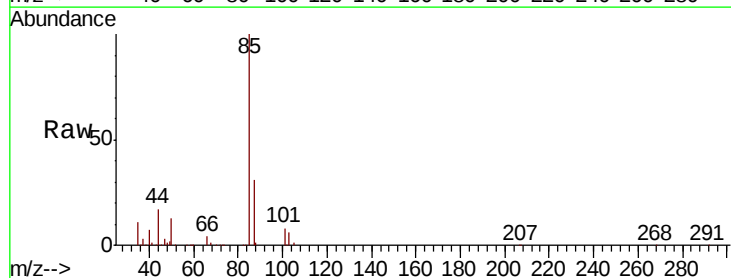
Acq: 13 Mar 2019 05:21

Tgt Ion: 85 Resp: 47618

Ion Ratio Lower Upper

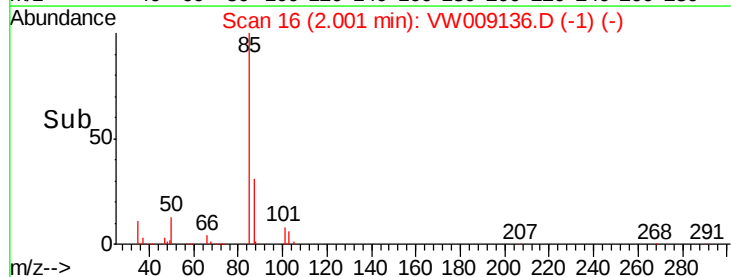
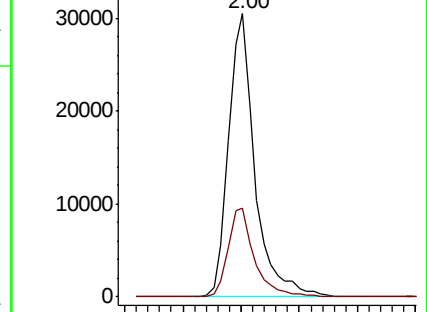
85 100

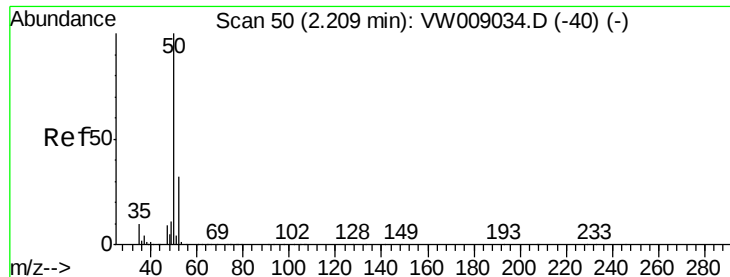
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 23.545 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

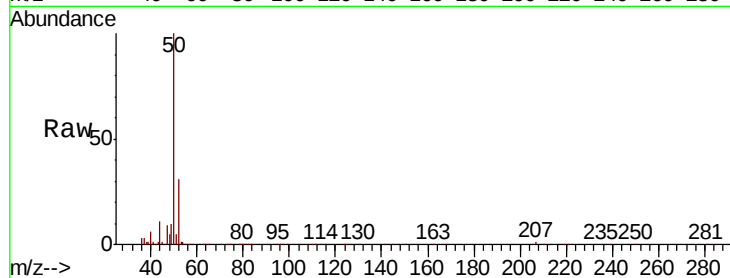
VW0312SBS02

Tgt Ion: 50 Resp: 65888

Ion Ratio Lower Upper

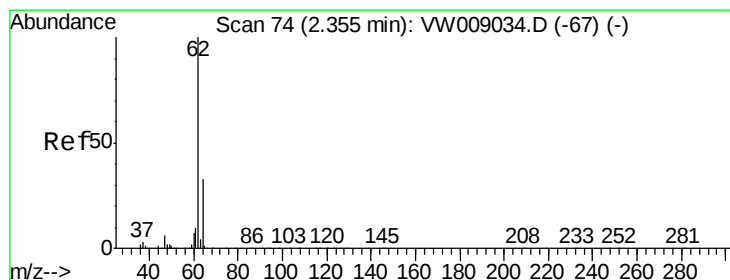
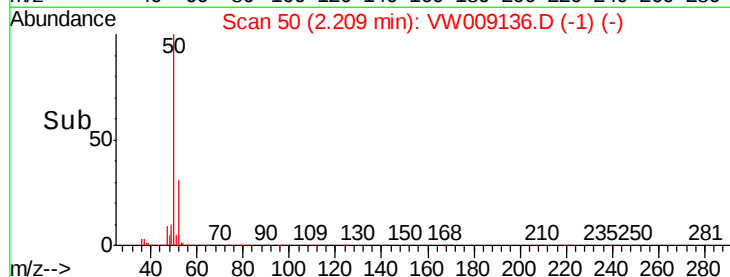
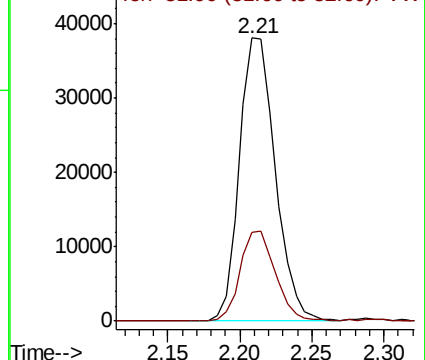
50 100

52 31.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.023 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009136.D

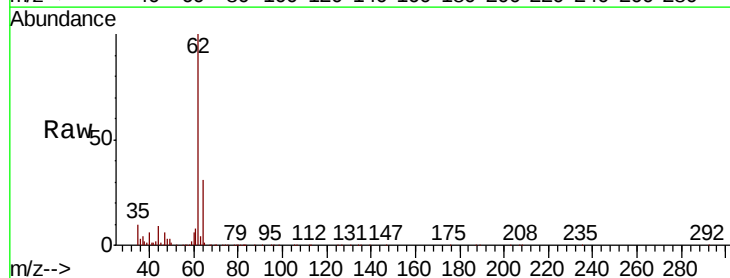
Acq: 13 Mar 2019 05:21

Tgt Ion: 62 Resp: 59705

Ion Ratio Lower Upper

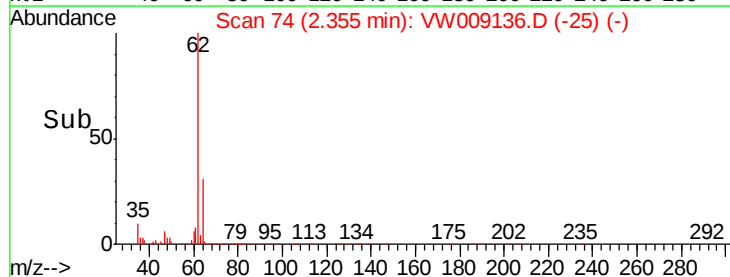
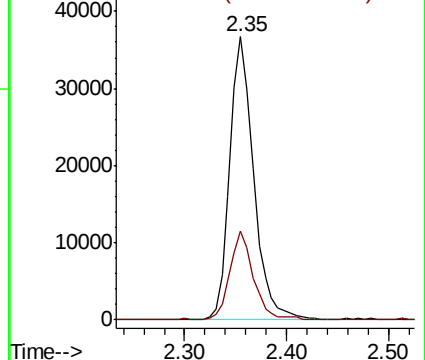
62 100

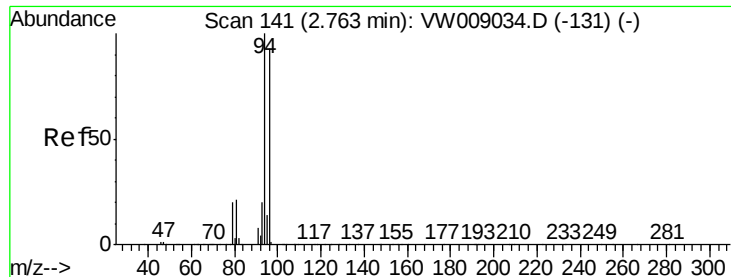
64 31.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 30.762 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

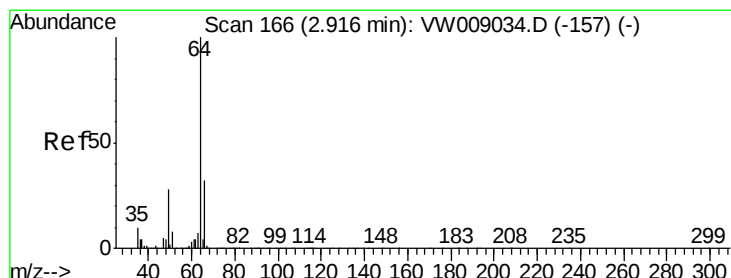
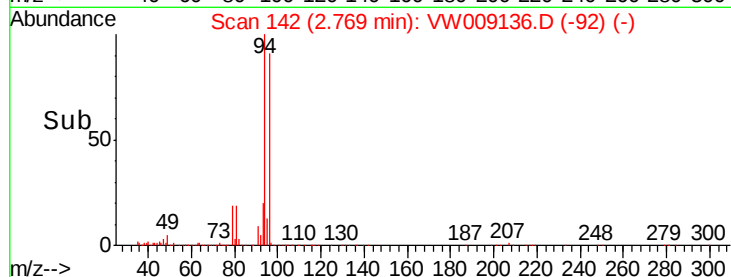
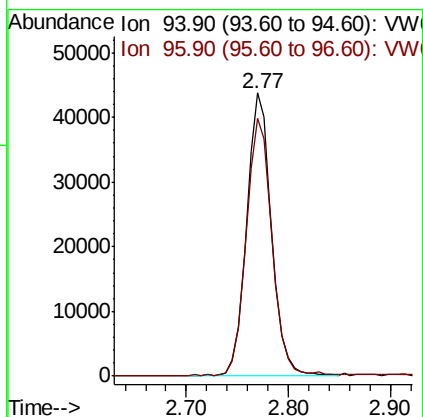
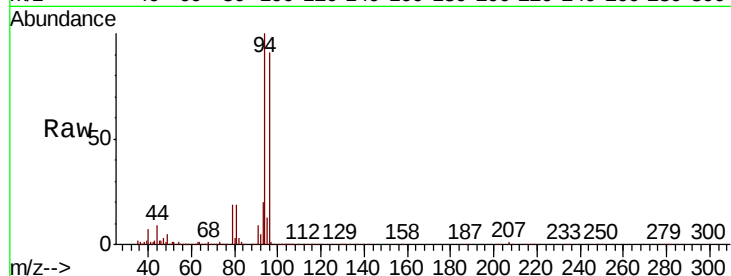
VW0312SBS02

Tgt Ion: 94 Resp: 73745

Ion Ratio Lower Upper

94 100

96 90.8 74.4 111.6



#6

Chloroethane

Concen: 25.130 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009136.D

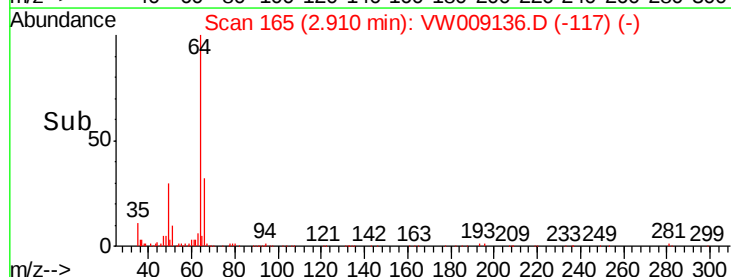
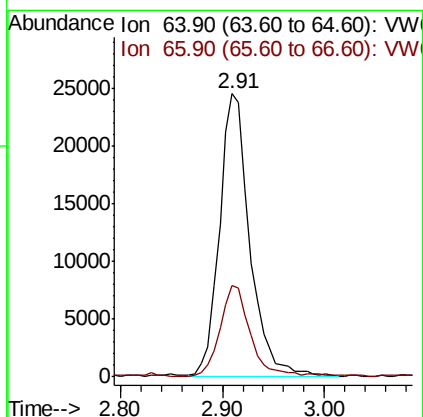
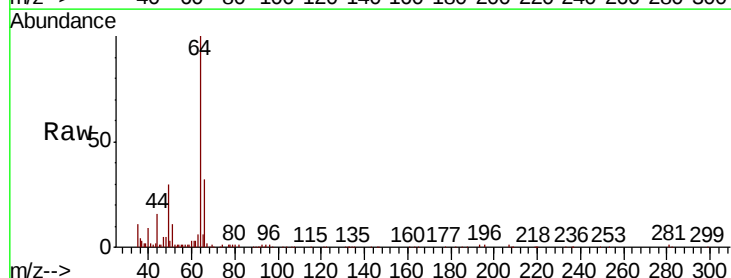
Acq: 13 Mar 2019 05:21

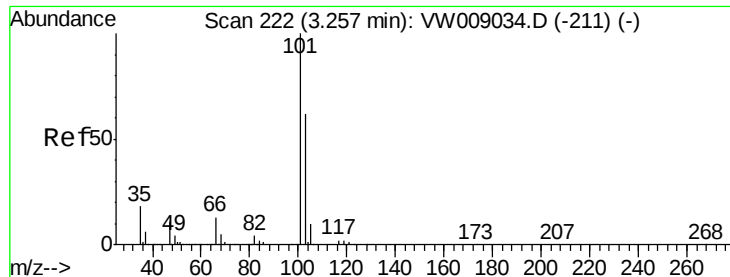
Tgt Ion: 64 Resp: 50808

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



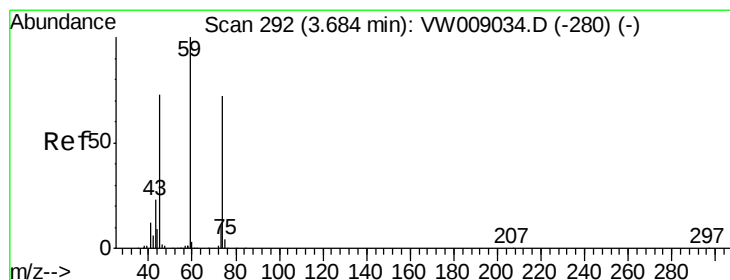
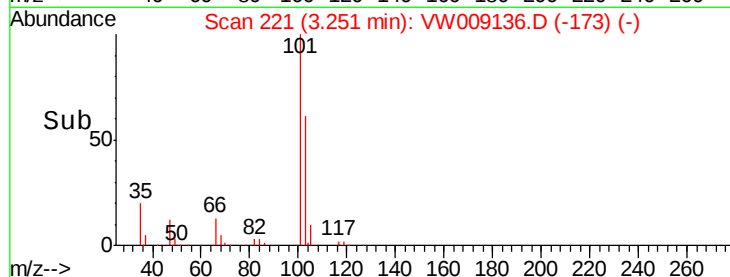
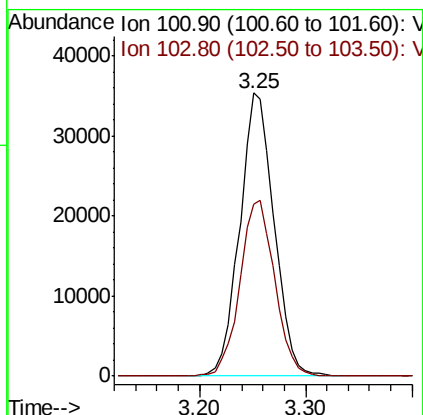
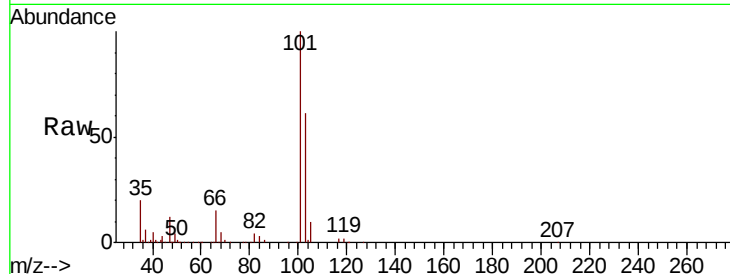


#7

Trichlorofluoromethane
Concen: 21.887 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

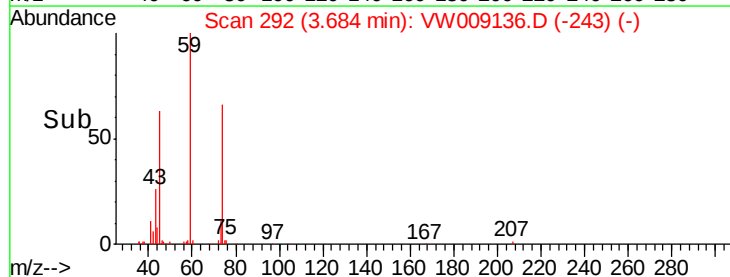
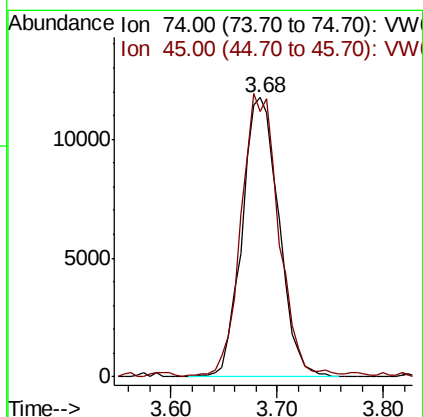
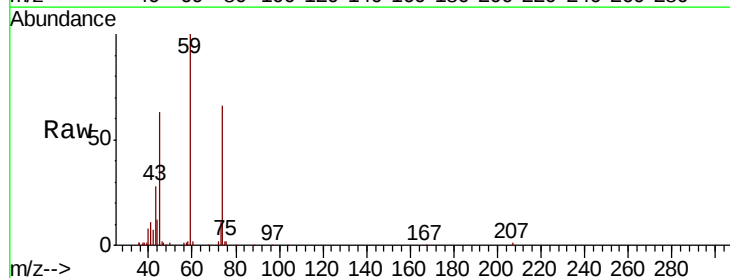
Tgt Ion:101 Resp: 80030
Ion Ratio Lower Upper
101 100
103 61.0 49.9 74.9

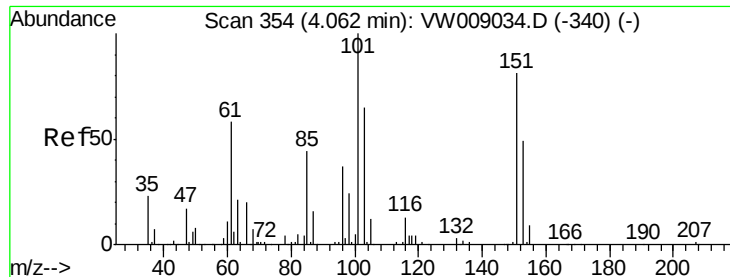


#8

Diethyl Ether
Concen: 25.511 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 74 Resp: 28523
Ion Ratio Lower Upper
74 100
45 104.1 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.506 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

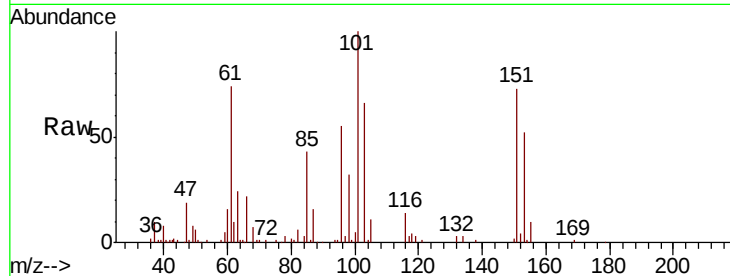
Tgt Ion:101 Resp: 48977

Ion Ratio Lower Upper

101 100

85 45.8 36.2 54.4

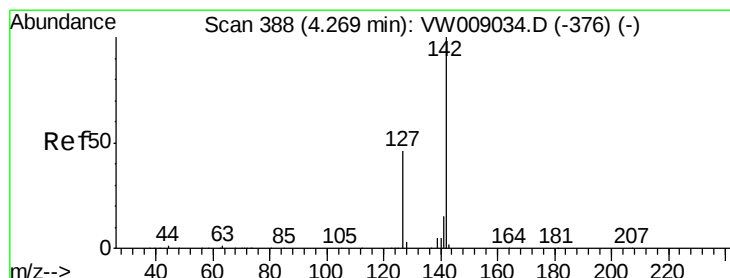
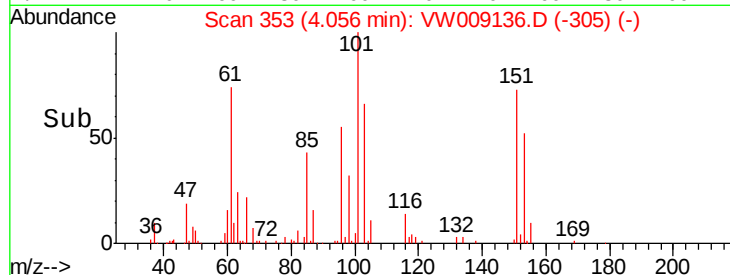
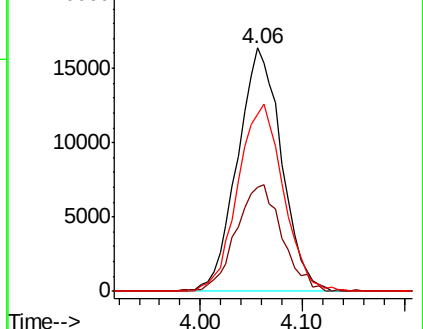
151 79.6 63.4 95.2



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: 15.161 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

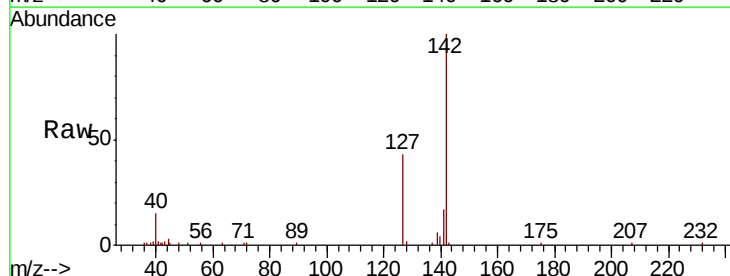
Tgt Ion:142 Resp: 31593

Ion Ratio Lower Upper

142 100

127 45.0 35.8 53.6

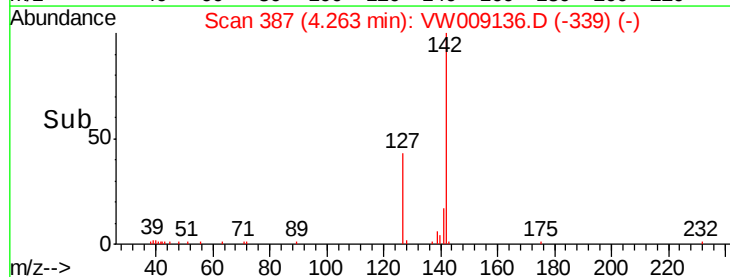
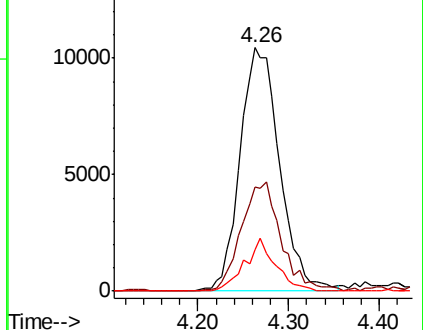
141 16.8 11.8 17.8

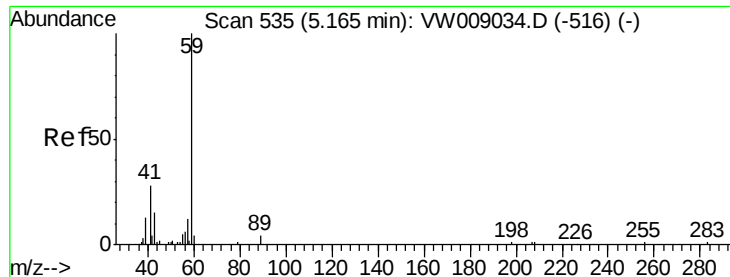


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



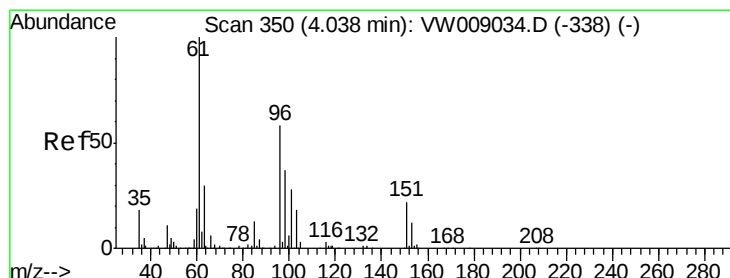
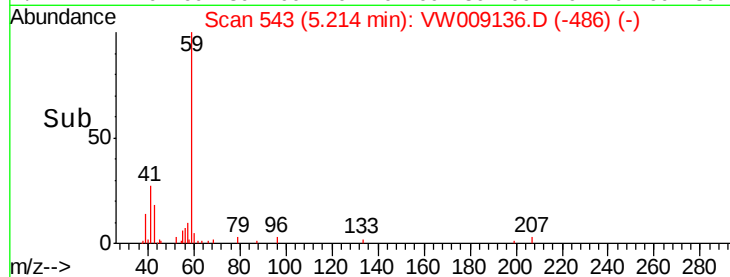
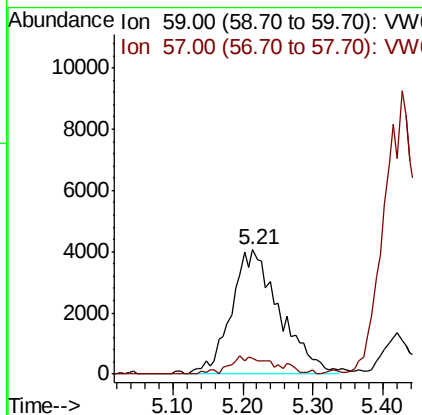
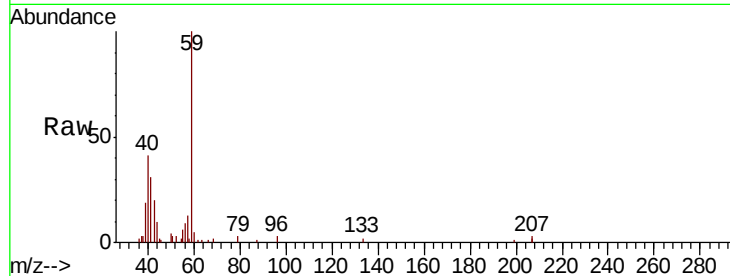


#11

Tert butyl alcohol
Concen: 116.128 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.05 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampled :
VW0312SBS02

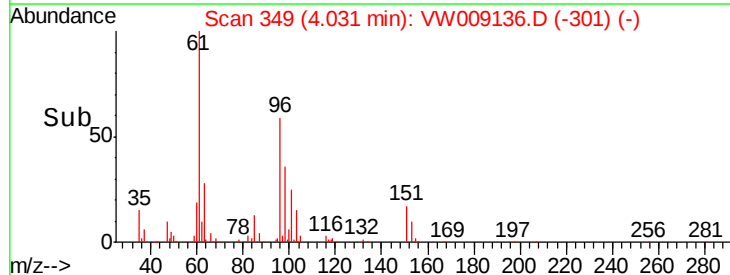
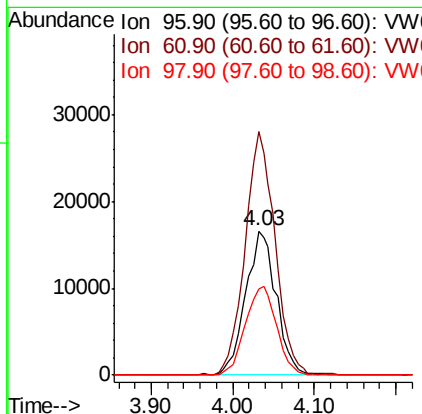
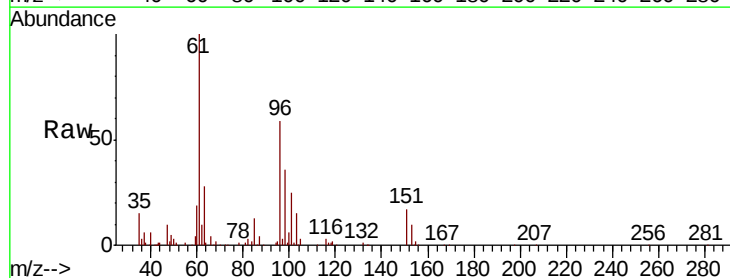
Tgt Ion: 59 Resp: 19570
Ion Ratio Lower Upper
59 100
57 5.1 8.6 12.8#

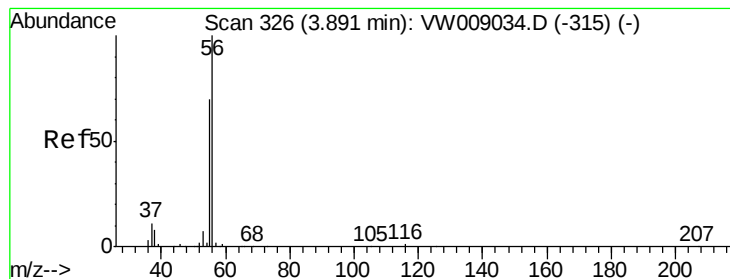


#12

1,1-Dichloroethene
Concen: 22.144 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 96 Resp: 43502
Ion Ratio Lower Upper
96 100
61 168.8 138.2 207.2
98 60.0 51.3 76.9





#13

Acrolein

Concen: 95.205 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

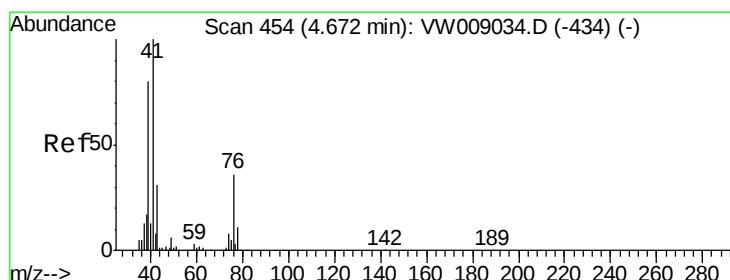
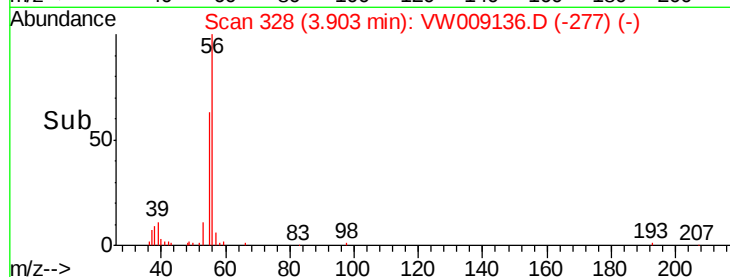
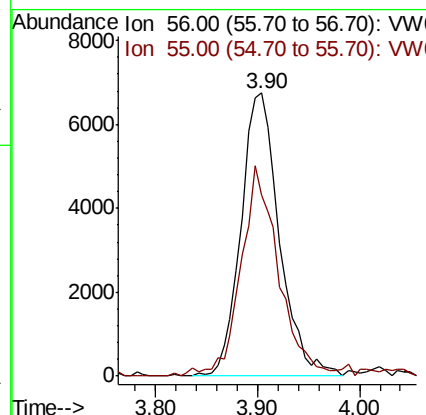
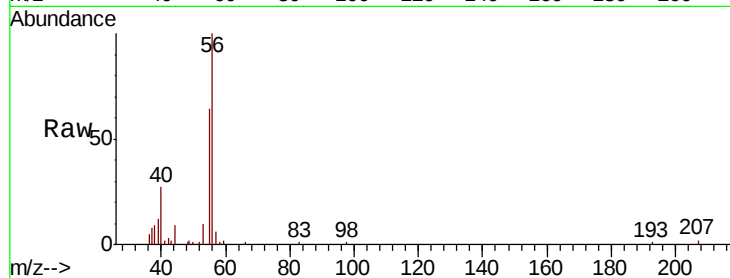
VW0312SBS02

Tgt Ion: 56 Resp: 17655

Ion Ratio Lower Upper

56 100

55 72.7 56.6 84.8



#14

Allyl chloride

Concen: 22.314 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

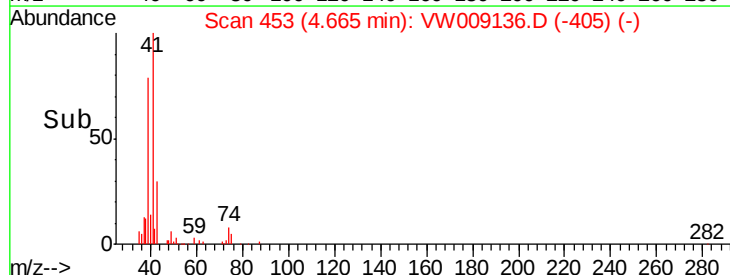
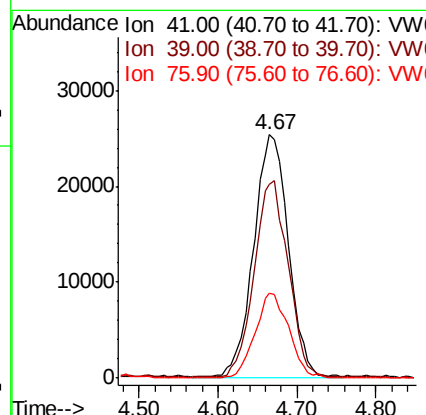
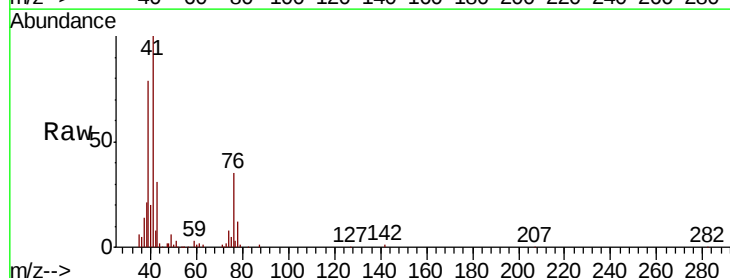
Tgt Ion: 41 Resp: 77324

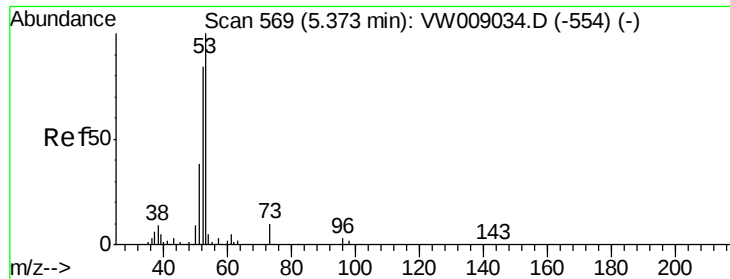
Ion Ratio Lower Upper

41 100

39 79.2 63.0 94.4

76 34.1 28.2 42.2





#15

Acrylonitrile

Concen: 129.149 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

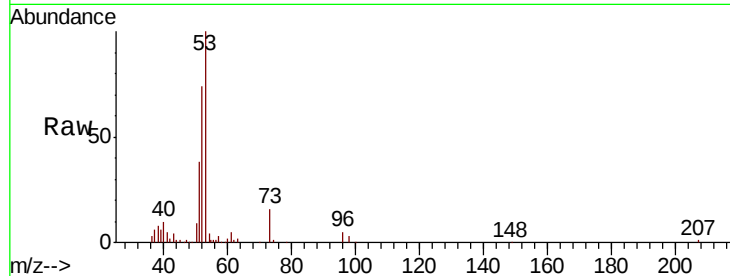
Tgt Ion: 53 Resp: 63022

Ion Ratio Lower Upper

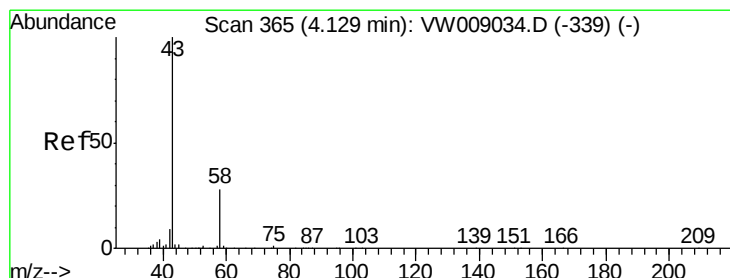
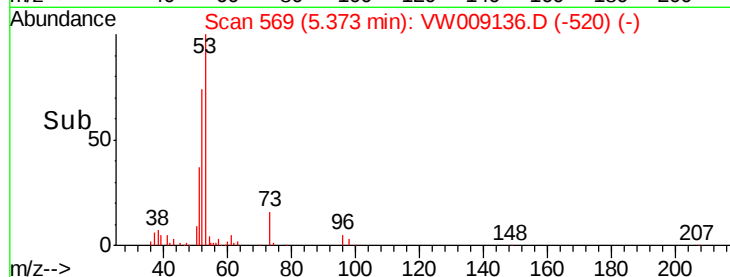
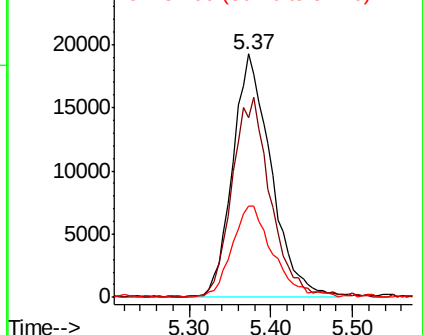
53 100

52 81.2 67.2 100.8

51 39.0 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: 106.026 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW009136.D

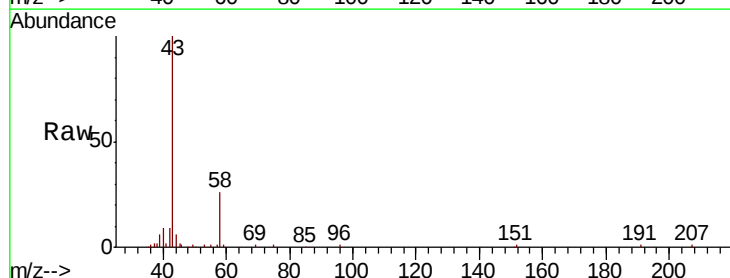
Acq: 13 Mar 2019 05:21

Tgt Ion: 43 Resp: 52616

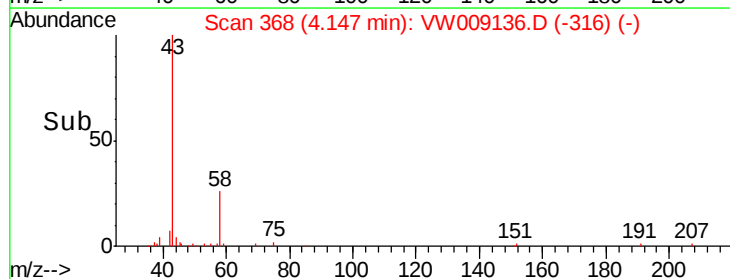
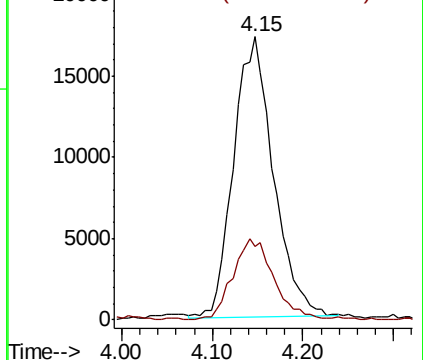
Ion Ratio Lower Upper

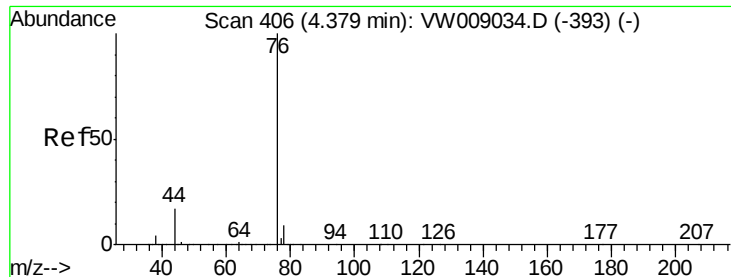
43 100

58 25.4 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

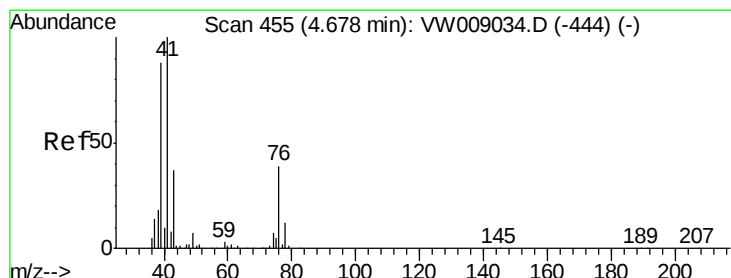
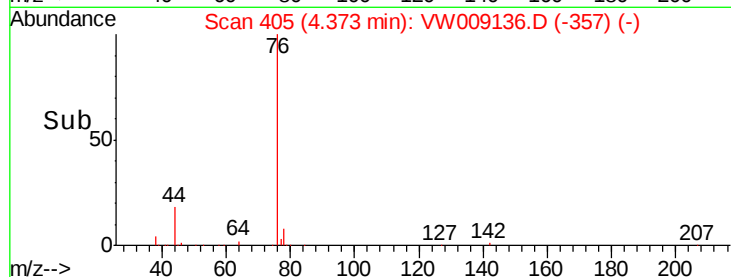
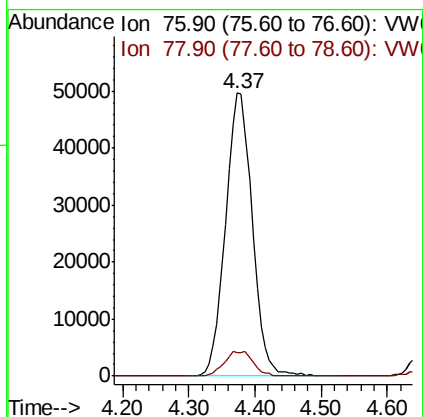
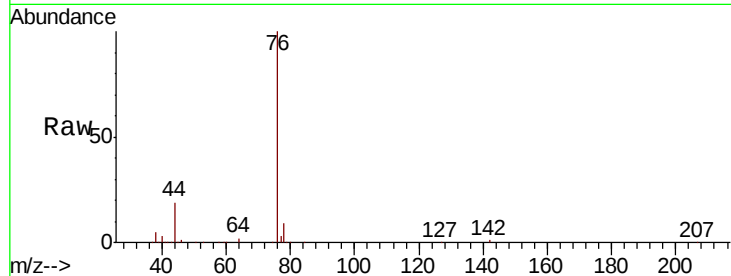




#17
Carbon Disulfide
Concen: 21.094 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

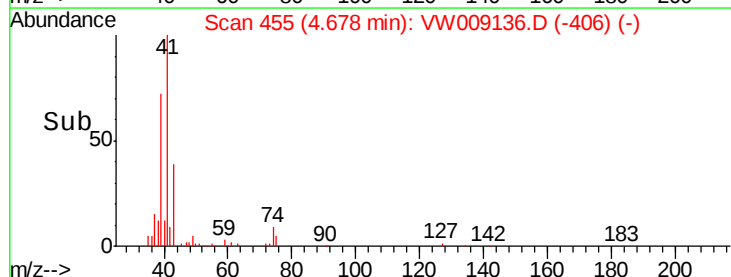
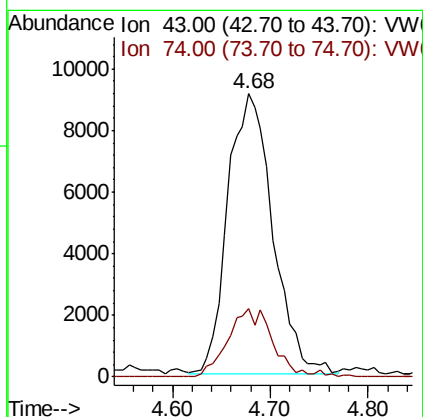
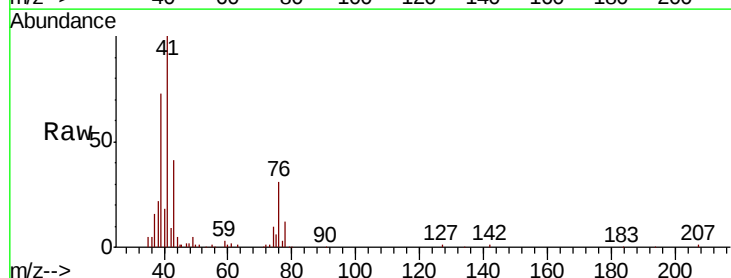
Instrument :
MSVOA_W
ClientSampled :
VW0312SBS02

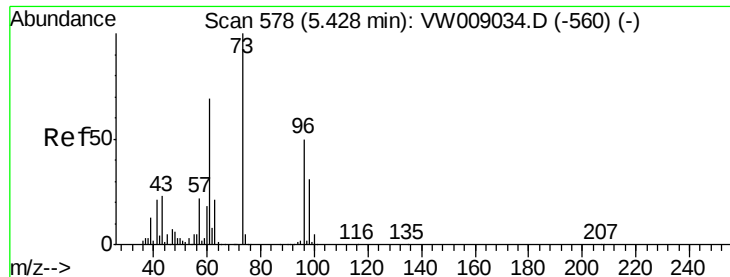
Tgt Ion: 76 Resp: 139422
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#18
Methyl Acetate
Concen: 25.366 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 43 Resp: 28946
Ion Ratio Lower Upper
43 100
74 23.9 17.6 26.4



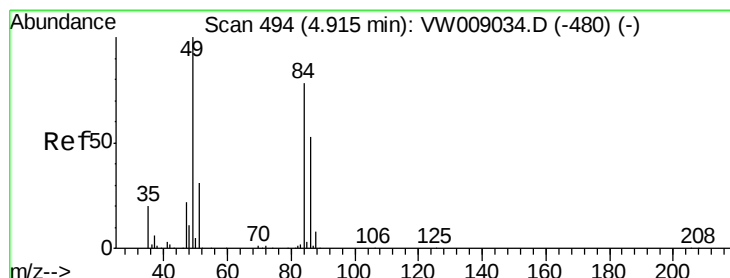
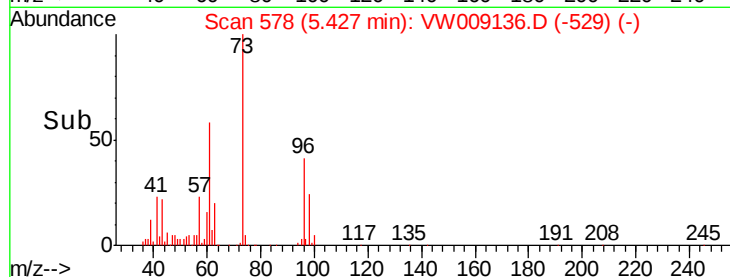
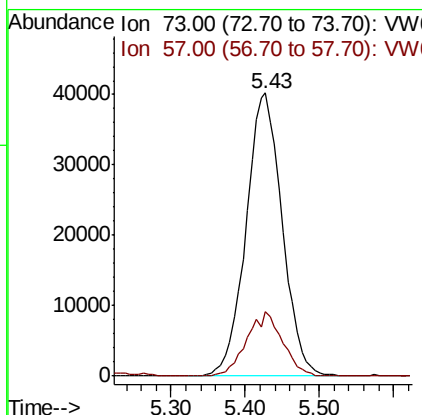
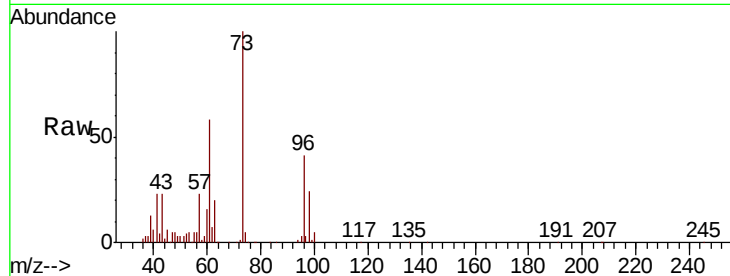


#19

Methyl tert-butyl Ether
 Concen: 26.301 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

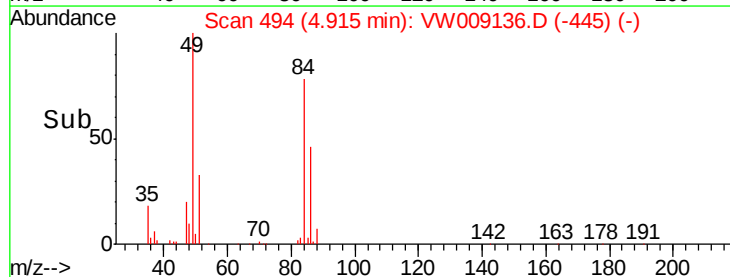
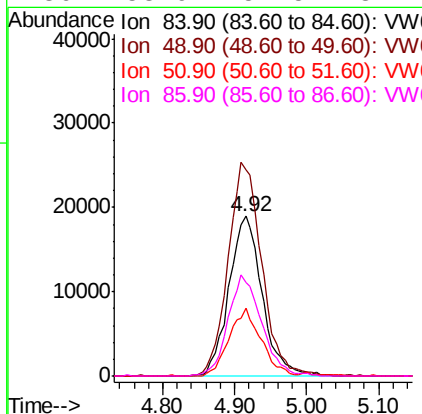
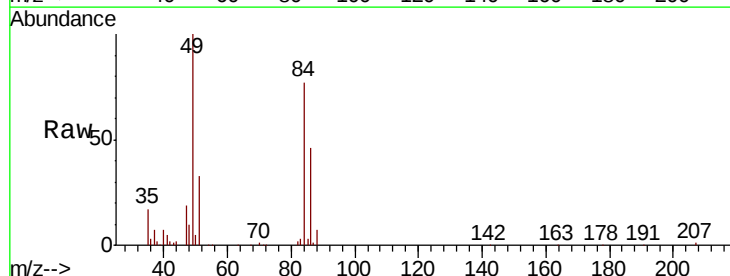
Tgt Ion: 73 Resp: 136676
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.3 25.9

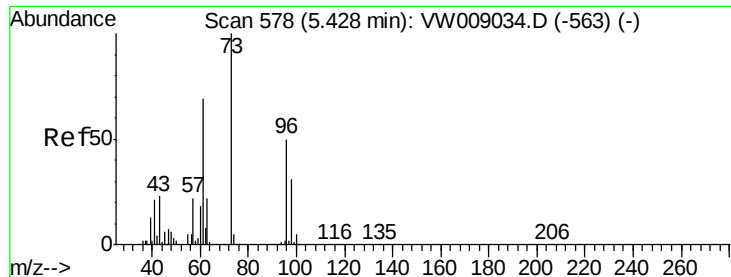


#20

Methylene Chloride
 Concen: 23.084 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 84 Resp: 60707
 Ion Ratio Lower Upper
 84 100
 49 128.9 102.4 153.6
 51 42.2 31.6 47.4
 86 58.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 22.684 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

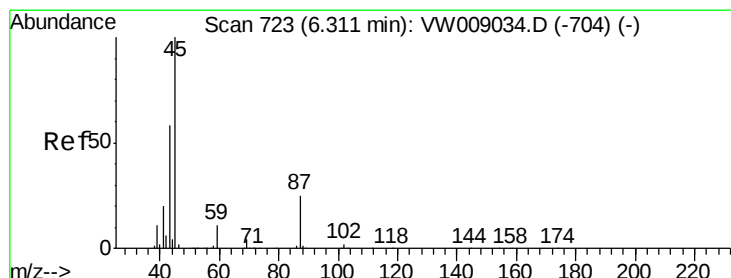
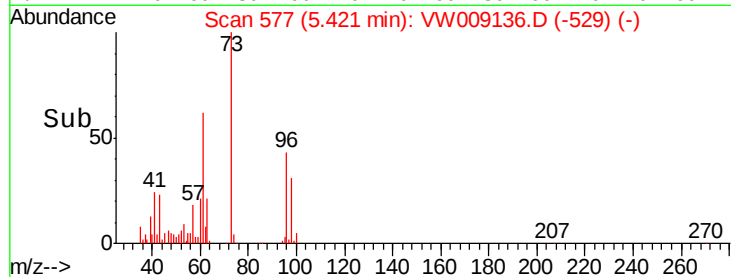
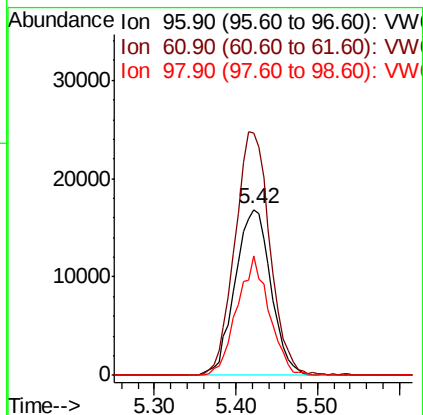
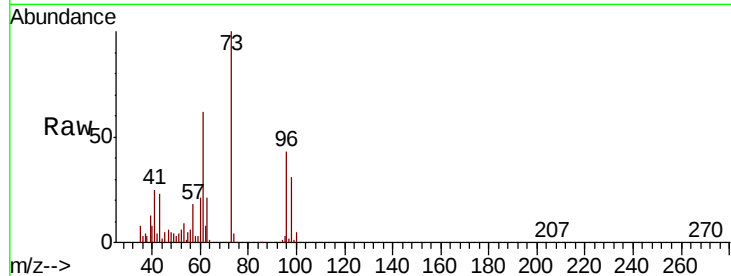
Tgt Ion: 96 Resp: 51455

Ion Ratio Lower Upper

96 100

61 146.2 111.0 166.6

98 72.2 49.4 74.0



#22

Diisopropyl ether

Concen: 25.749 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion: 45 Resp: 177315

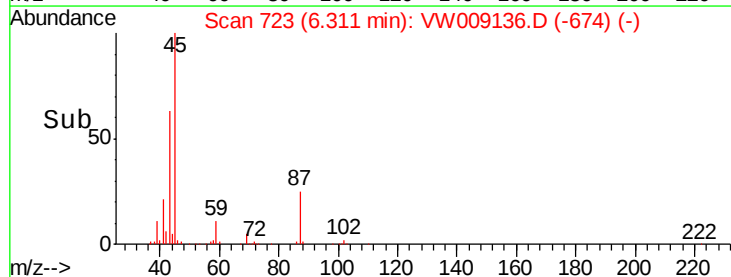
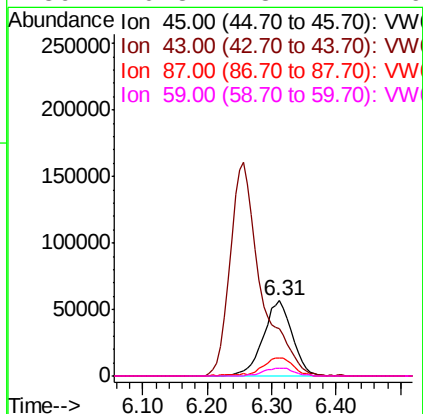
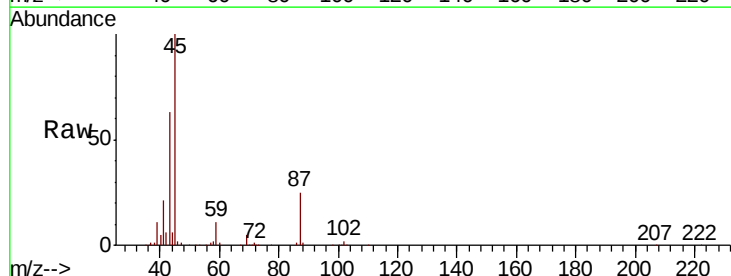
Ion Ratio Lower Upper

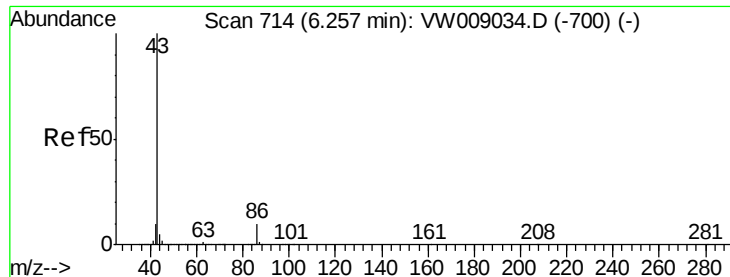
45 100

43 62.4 46.2 69.4

87 24.8 20.1 30.1

59 10.8 8.4 12.6





#23

Vinyl Acetate

Concen: 124.950 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

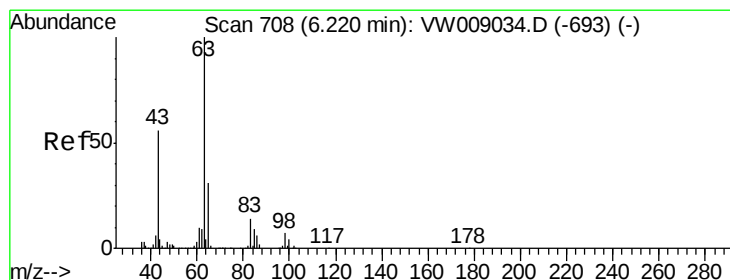
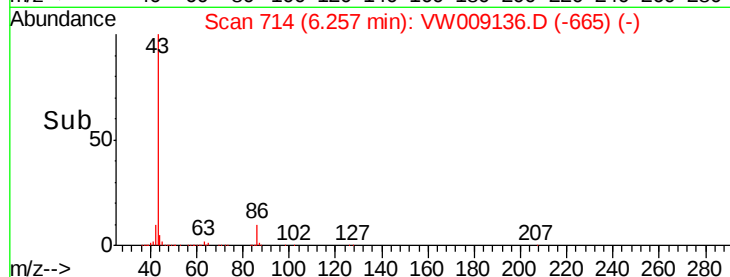
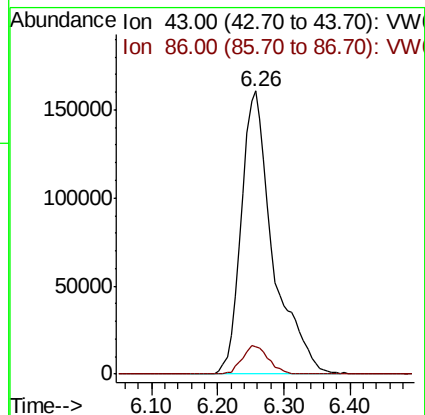
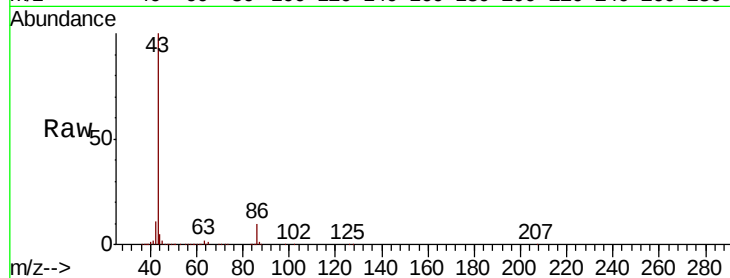
VW0312SBS02

Tgt Ion: 43 Resp: 535447

Ion Ratio Lower Upper

43 100

86 9.9 7.6 11.4



#24

1,1-Dichloroethane

Concen: 24.415 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

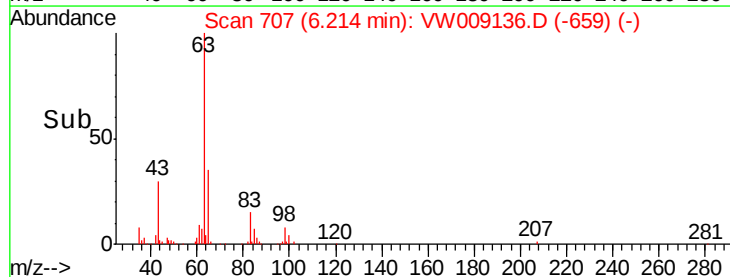
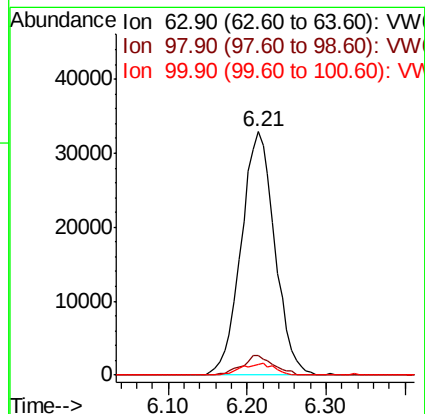
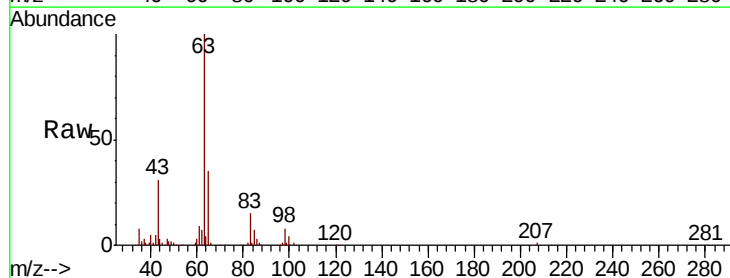
Tgt Ion: 63 Resp: 97518

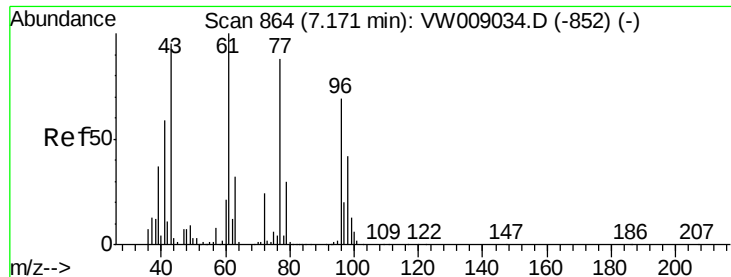
Ion Ratio Lower Upper

63 100

98 8.3 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 122.989 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

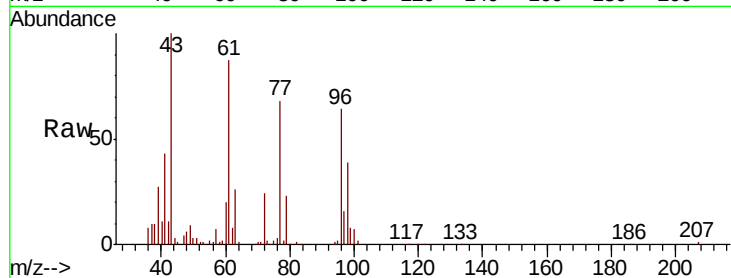
VW0312SBS02

Tgt Ion: 43 Resp: 84350

Ion Ratio Lower Upper

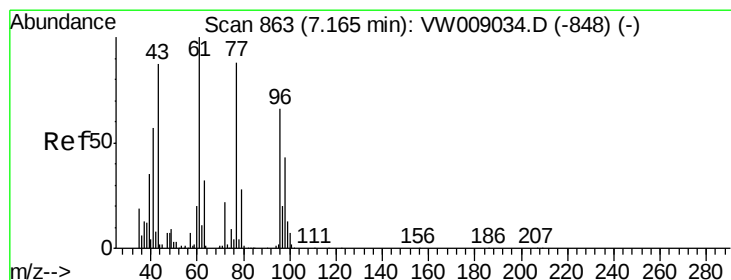
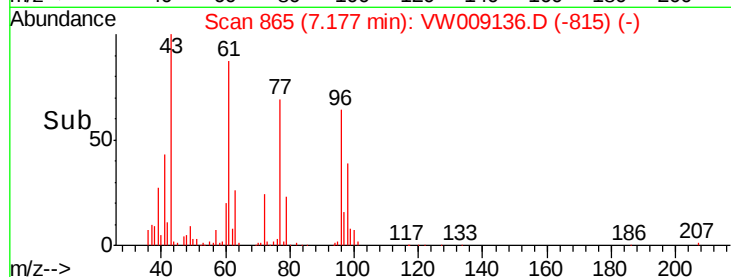
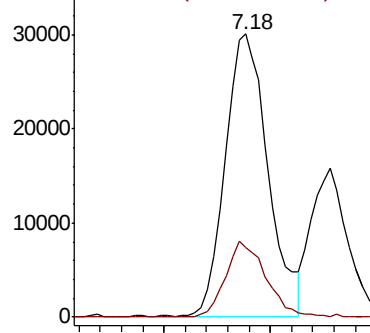
43 100

72 24.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 19.667 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009136.D

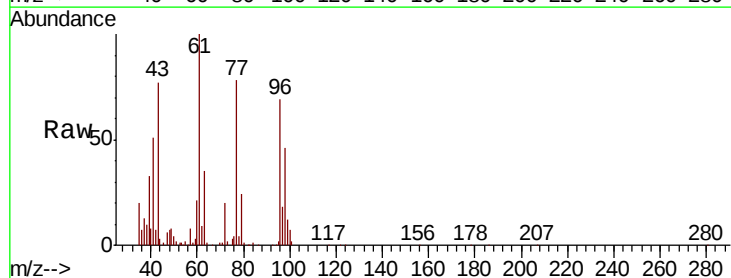
Acq: 13 Mar 2019 05:21

Tgt Ion: 77 Resp: 71404

Ion Ratio Lower Upper

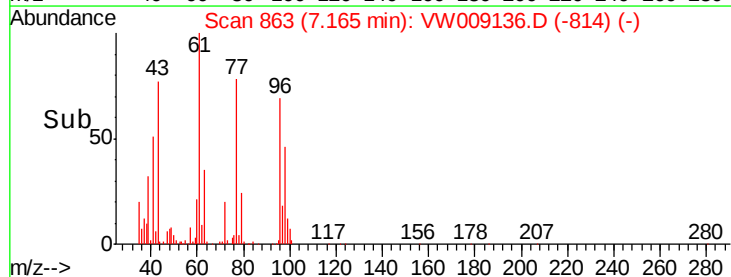
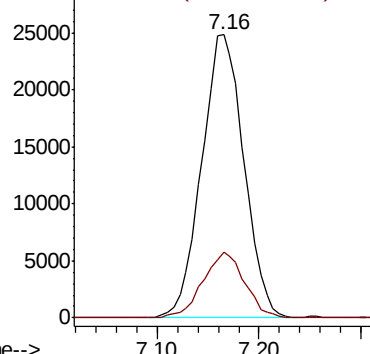
77 100

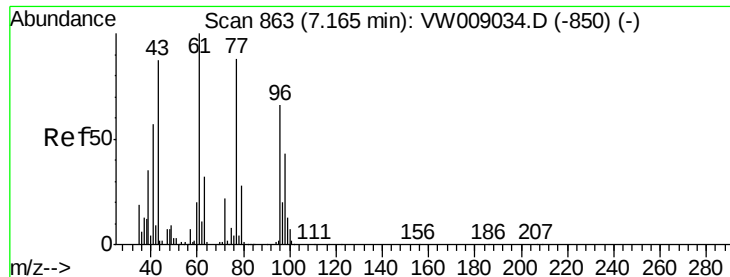
97 22.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



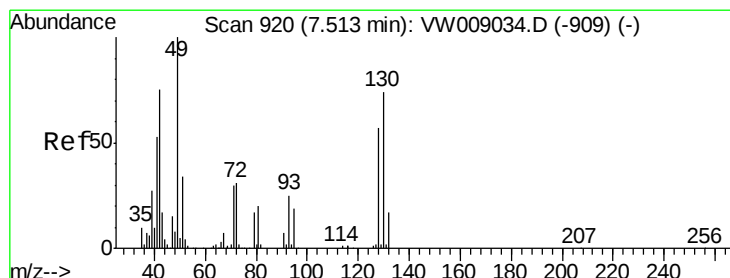
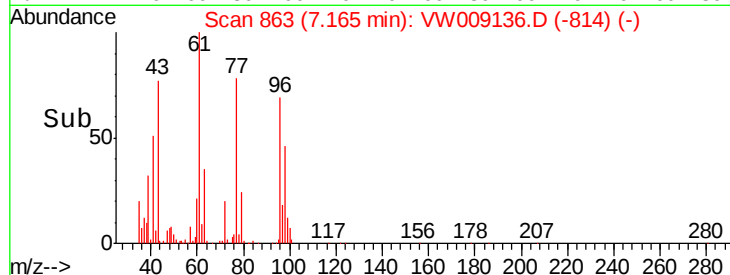
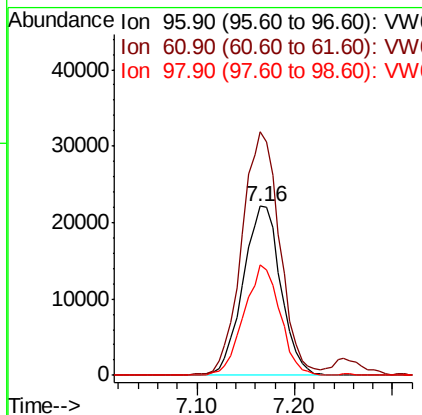
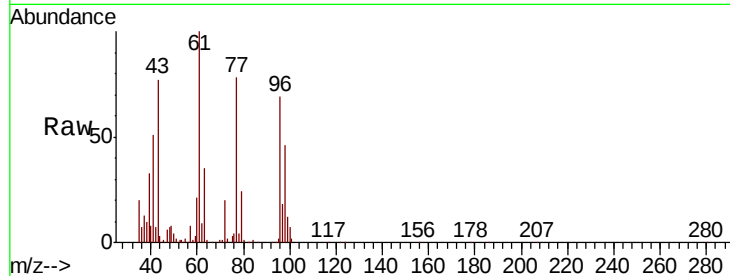


#27

cis-1,2-Dichloroethene
Concen: 24.381 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

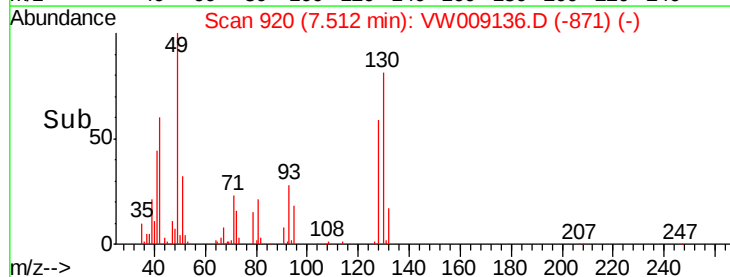
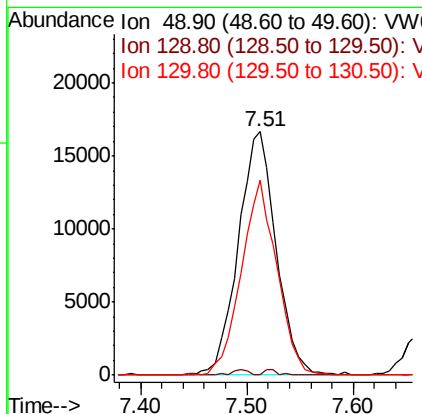
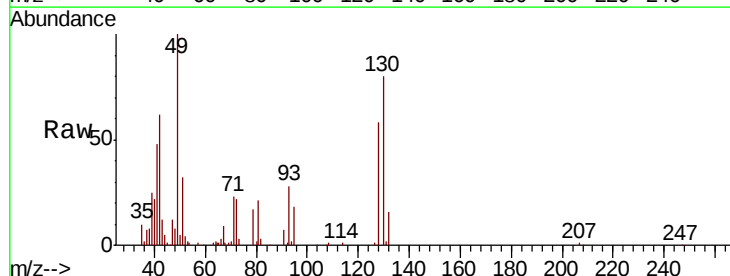
Tgt Ion: 96 Resp: 59395
Ion Ratio Lower Upper
96 100
61 144.8 0.0 299.8
98 62.4 0.0 127.2

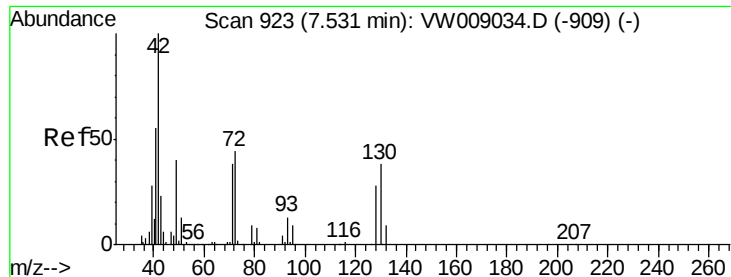


#28

Bromochloromethane
Concen: 24.969 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 49 Resp: 41483
Ion Ratio Lower Upper
49 100
129 0.8 0.0 4.6
130 75.4 60.4 90.6

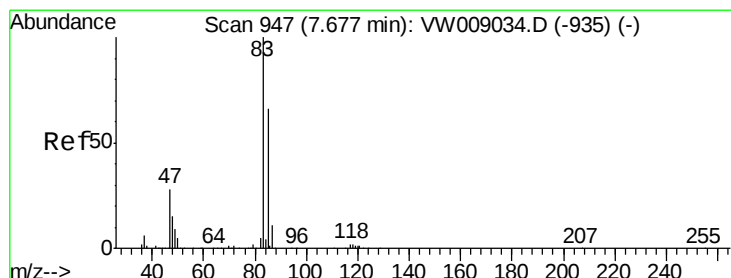
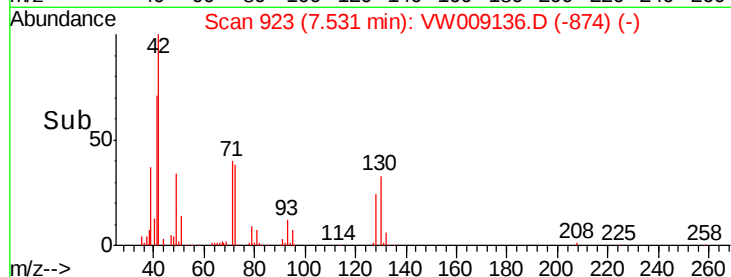
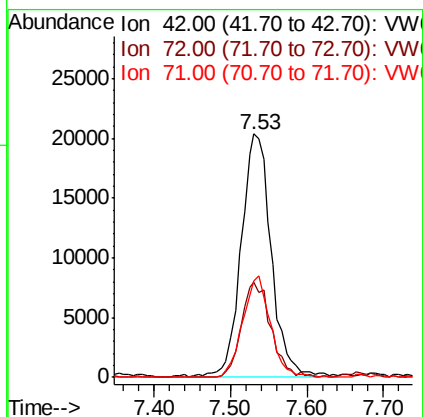
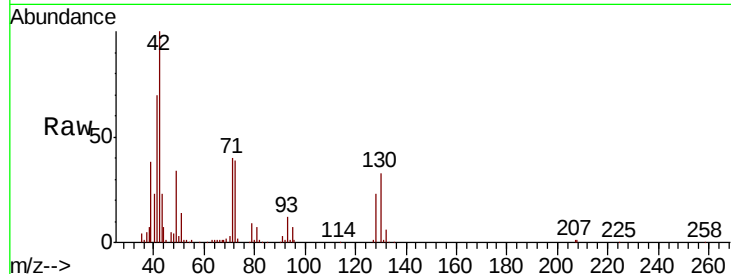




#29
Tetrahydrofuran
Concen: 129.344 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

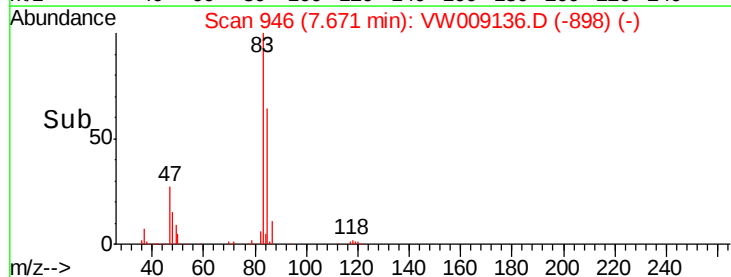
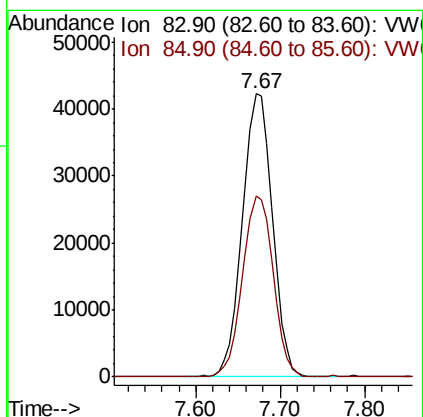
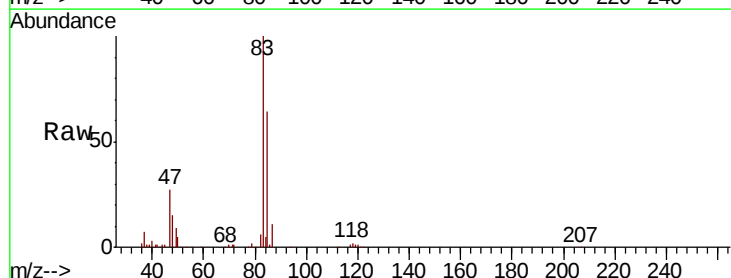
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

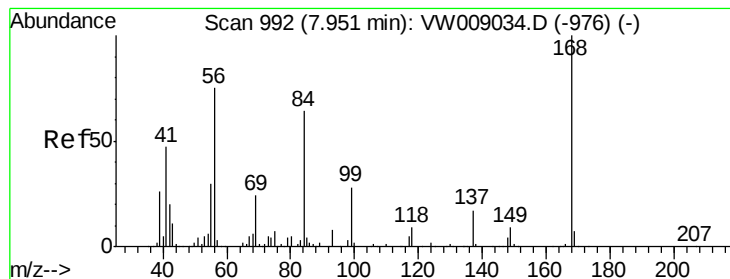
Tgt Ion: 42 Resp: 55902
Ion Ratio Lower Upper
42 100
72 38.1 32.2 48.4
71 38.2 30.7 46.1



#30
Chloroform
Concen: 24.788 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 83 Resp: 101934
Ion Ratio Lower Upper
83 100
85 64.2 53.0 79.6





#31

Cyclohexane

Concen: 20.140 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

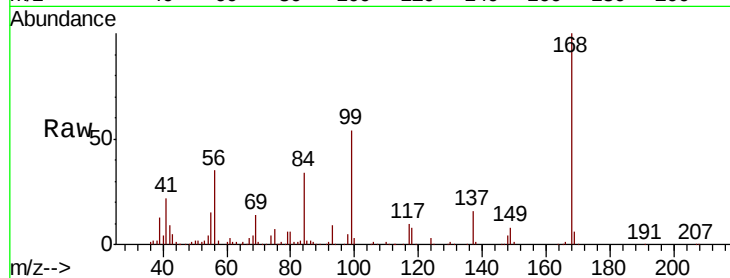
Tgt Ion: 56 Resp: 82597

Ion Ratio Lower Upper

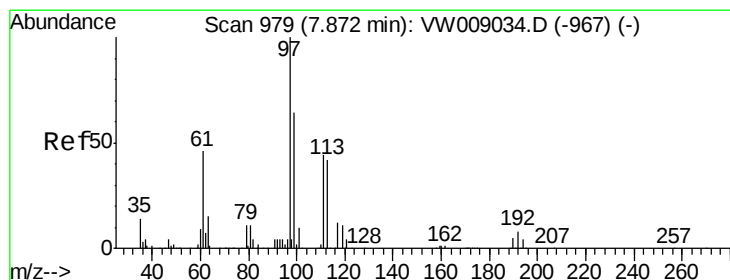
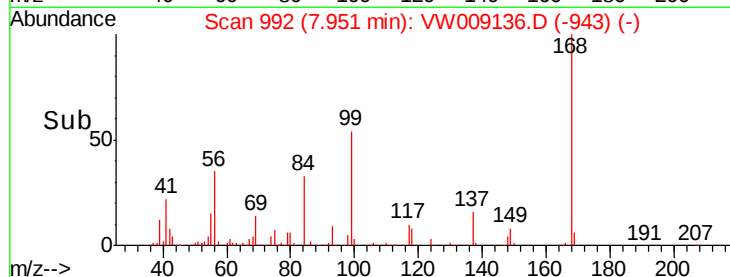
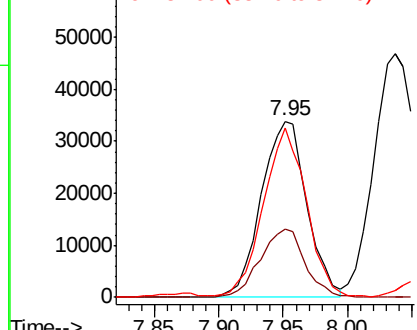
56 100

69 39.0 25.5 38.3#

84 93.5 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 23.018 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

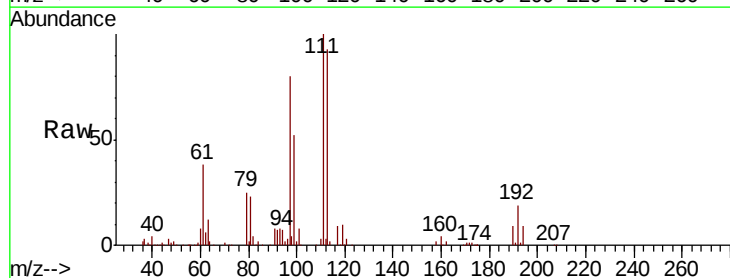
Tgt Ion: 97 Resp: 87351

Ion Ratio Lower Upper

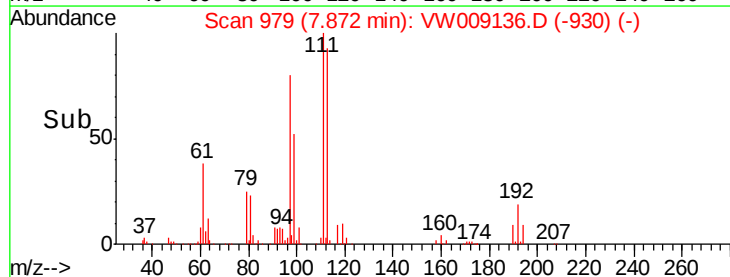
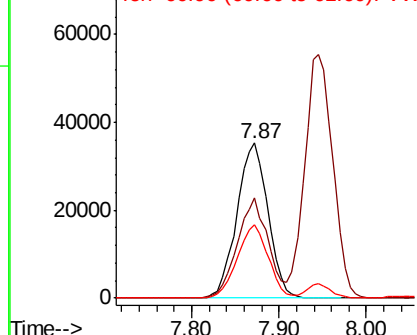
97 100

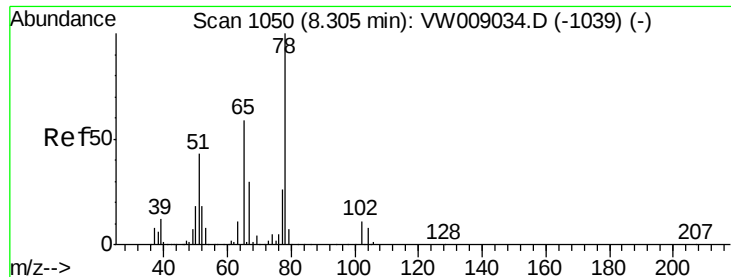
99 64.3 51.8 77.8

61 47.2 37.3 55.9



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

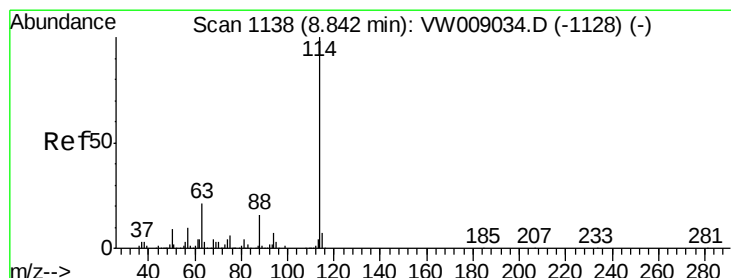
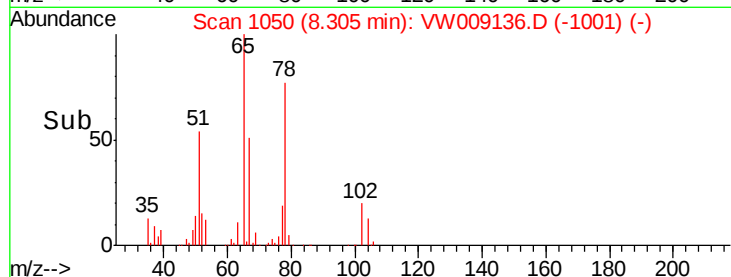
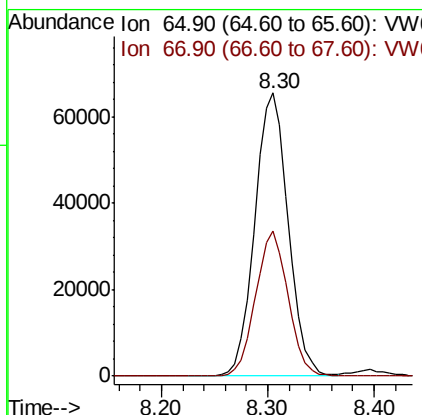
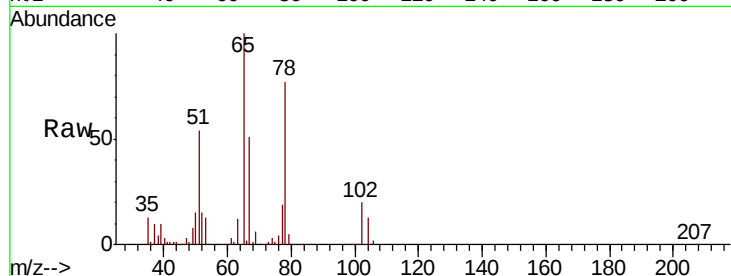




#33
 1,2-Dichloroethane-d4
 Concen: 65.419 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

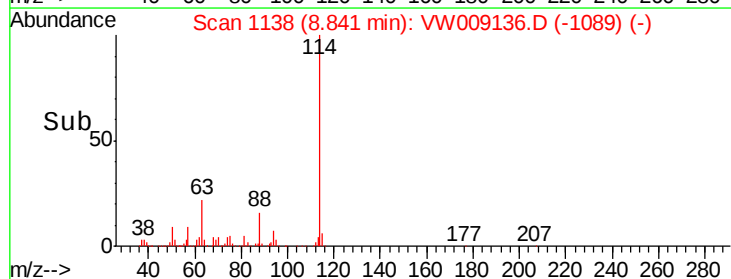
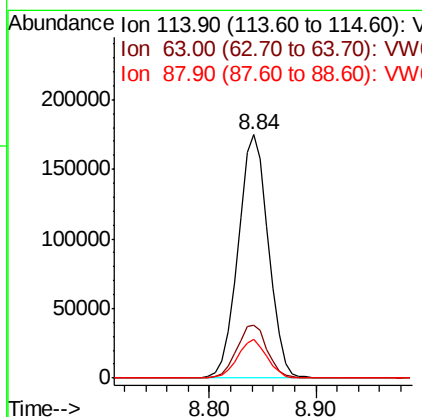
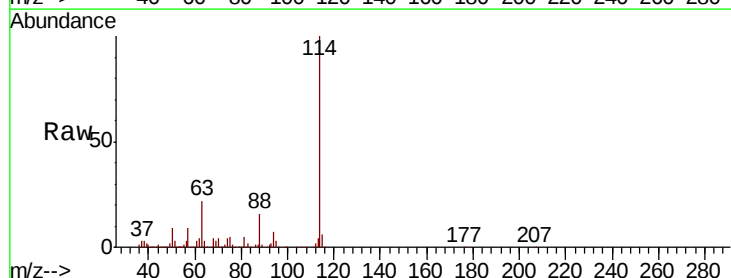
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

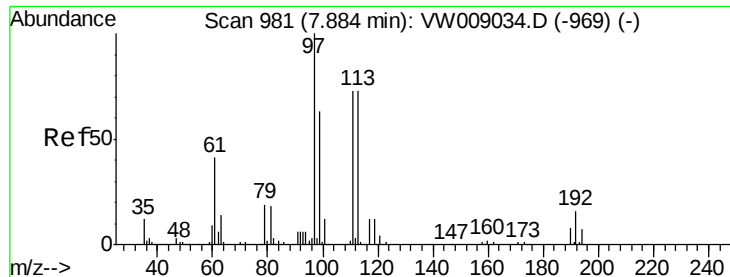
Tgt Ion: 65 Resp: 143865
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 114 Resp: 348463
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.2
 88 15.8 0.0 31.2

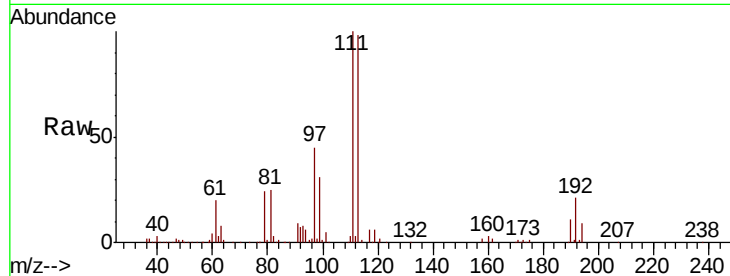




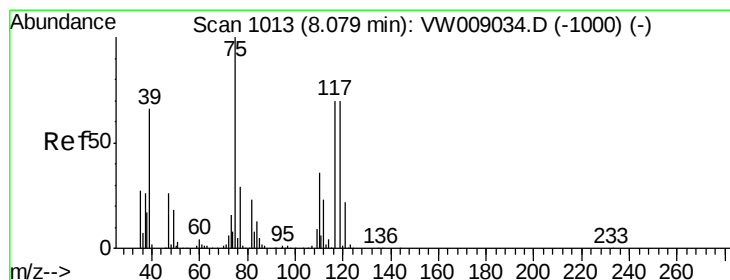
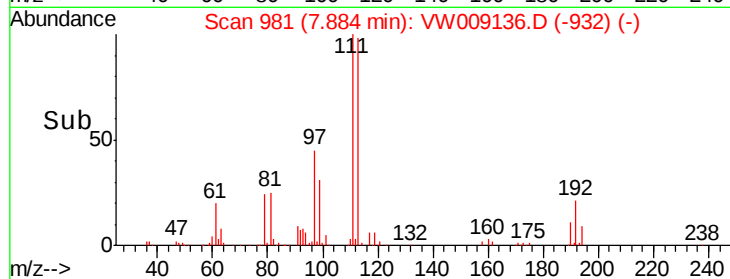
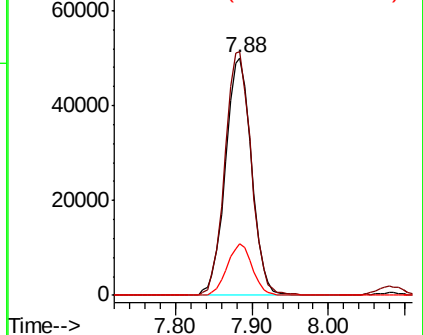
#35
 Dibromofluoromethane
 Concen: 56.307 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tgt Ion: 113 Resp: 118136
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.4
 192 20.9 17.1 25.7

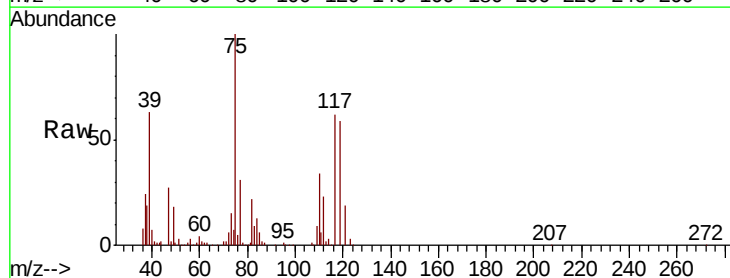


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

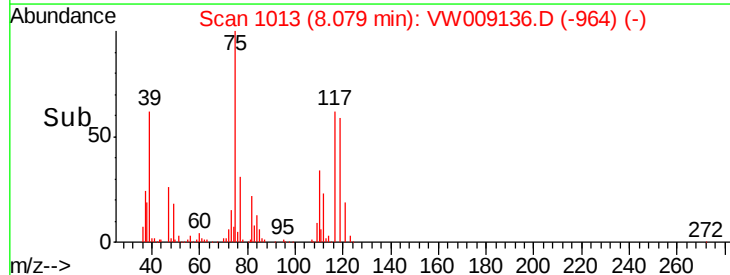
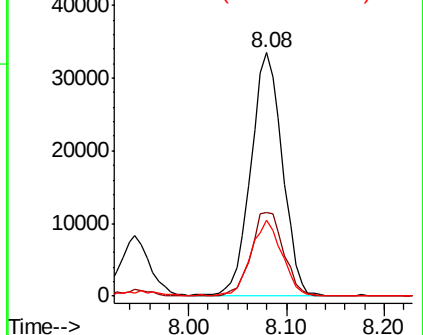


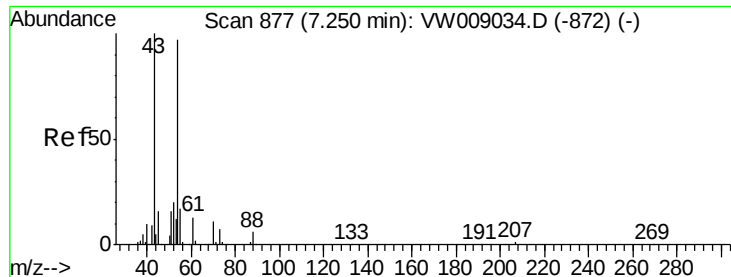
#36
 1,1-Dichloropropene
 Concen: 20.634 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 75 Resp: 75180
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.6 52.9
 77 30.9 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

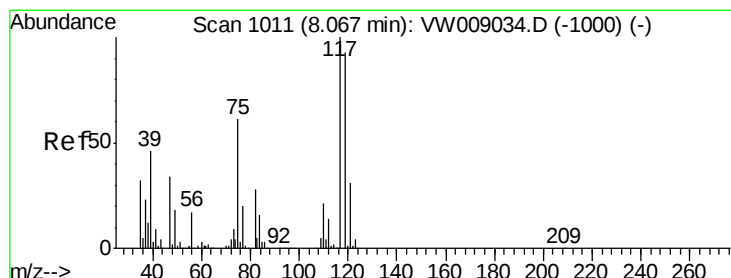
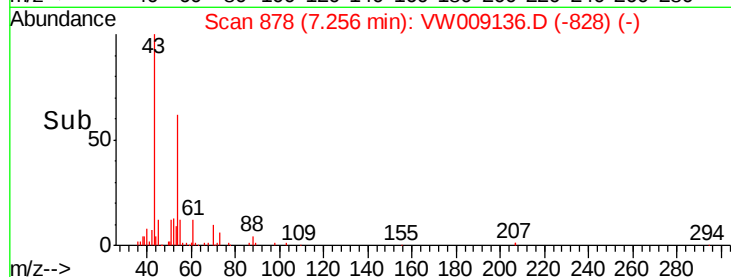
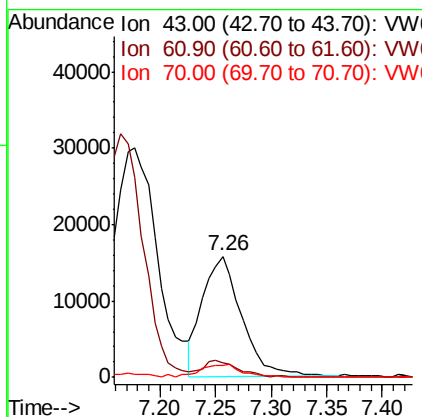
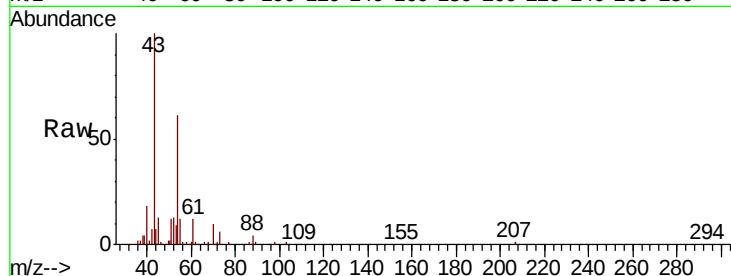




#37
Ethyl Acetate
Concen: 22.409 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

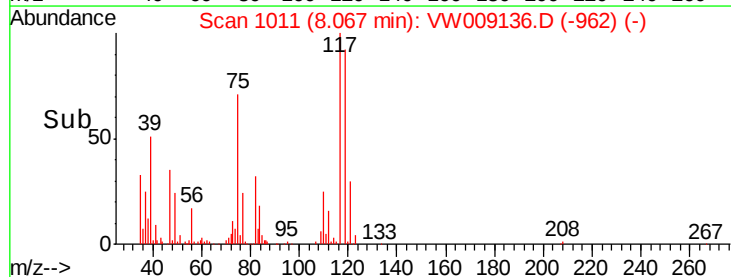
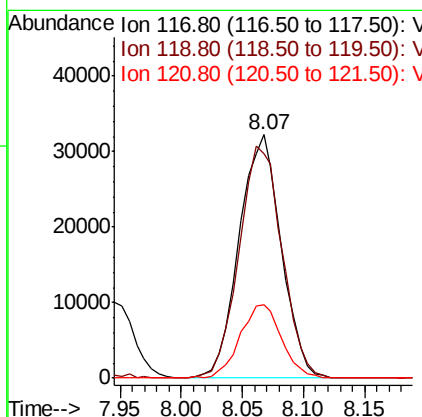
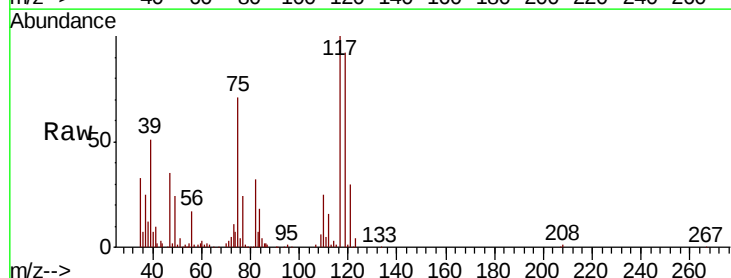
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

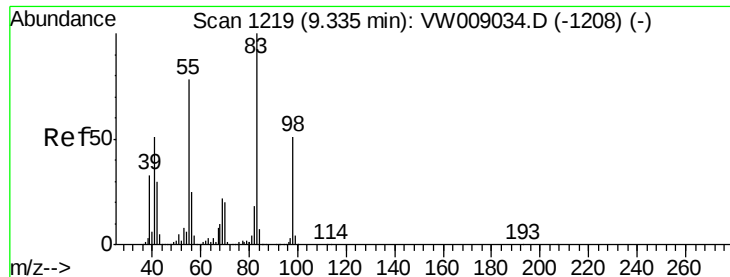
Tgt Ion: 43 Resp: 38351
Ion Ratio Lower Upper
43 100
61 13.1 9.8 14.6
70 11.7 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 20.448 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 117 Resp: 76942
Ion Ratio Lower Upper
117 100
119 91.9 74.6 112.0
121 30.2 24.7 37.1

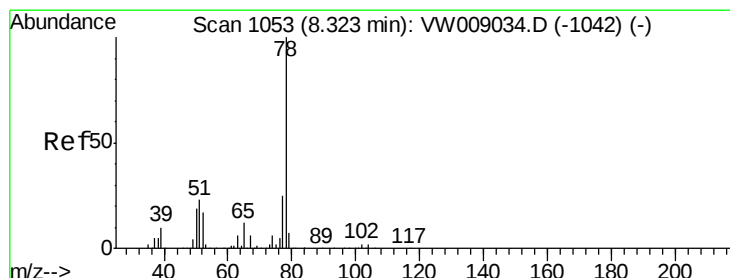
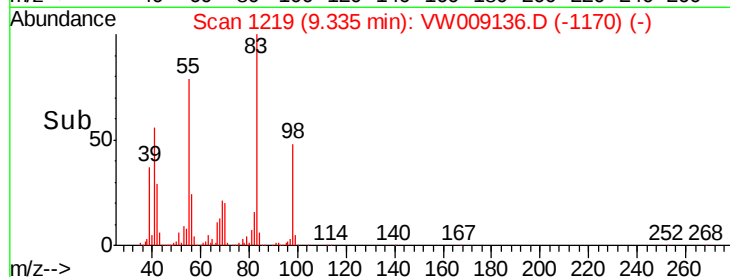
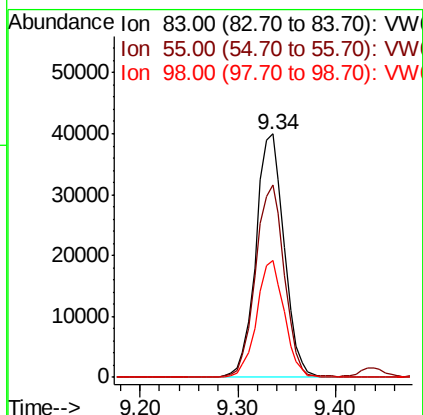
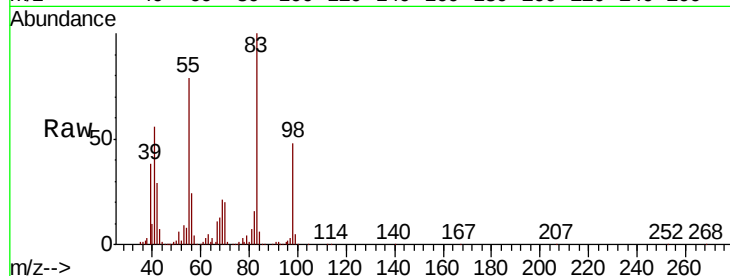




#39
Methylcyclohexane
Concen: 18.505 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

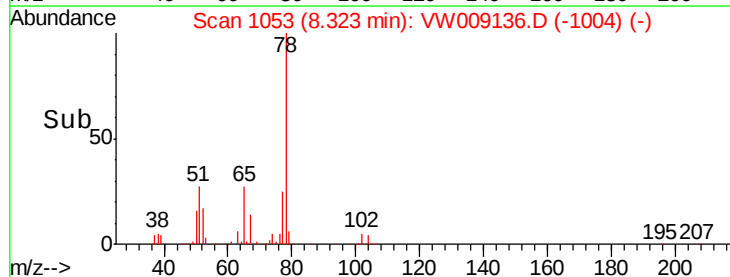
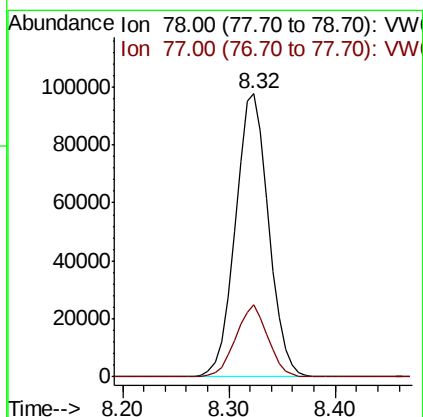
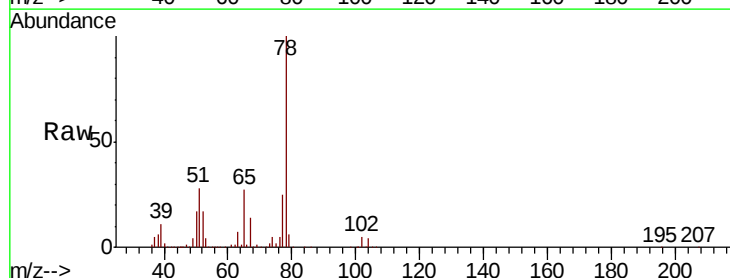
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

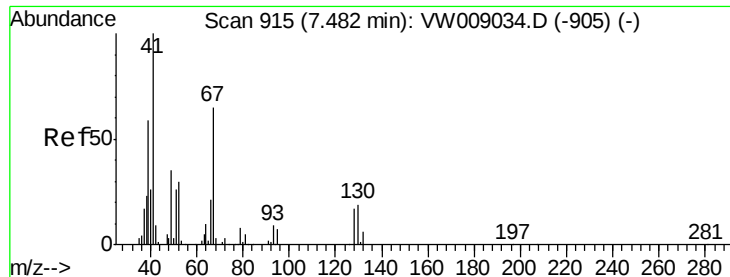
Tgt Ion: 83 Resp: 80309
Ion Ratio Lower Upper
83 100
55 79.1 62.7 94.1
98 47.9 40.8 61.2



#40
Benzene
Concen: 22.003 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 78 Resp: 214010
Ion Ratio Lower Upper
78 100
77 25.4 20.2 30.4





#41

Methacrylonitrile

Concen: 24.811 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tgt Ion: 41 Resp: 23580

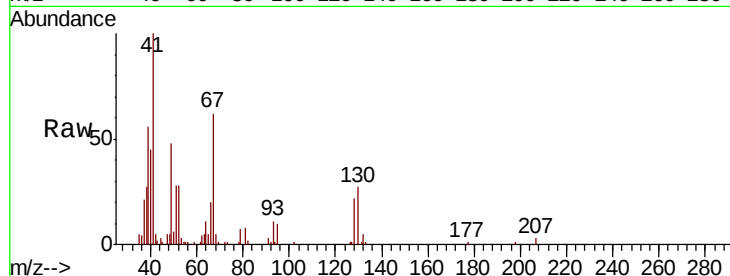
Ion Ratio Lower Upper

41 100

39 56.1 53.6 80.4

67 61.2 57.6 86.4

52 29.1 26.0 39.0

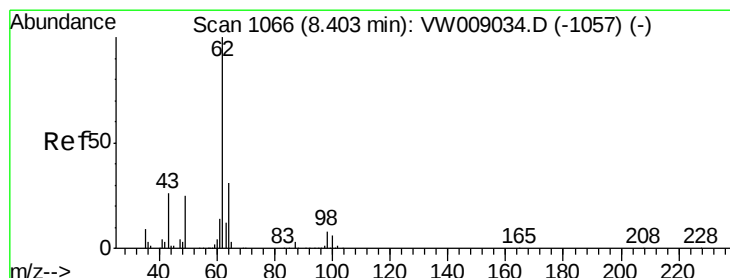
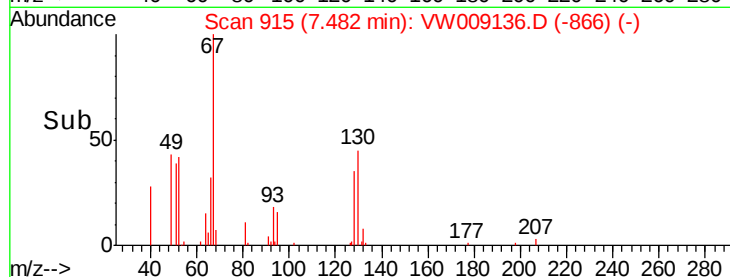
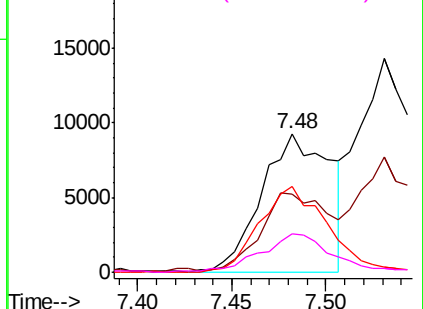


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 23.547 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009136.D

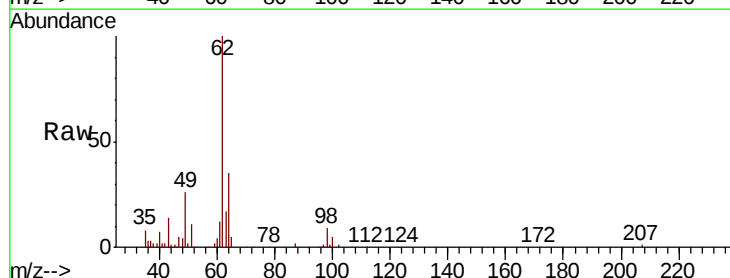
Acq: 13 Mar 2019 05:21

Tgt Ion: 62 Resp: 73939

Ion Ratio Lower Upper

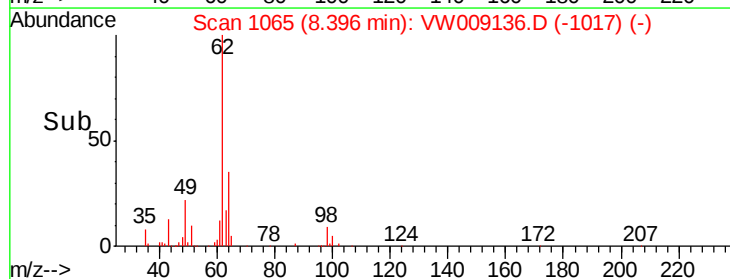
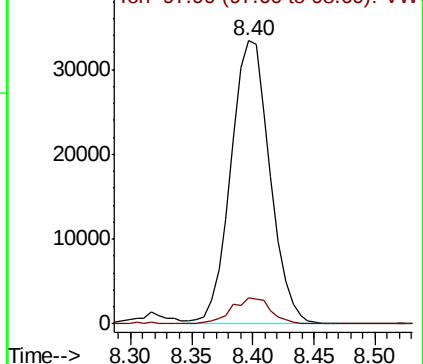
62 100

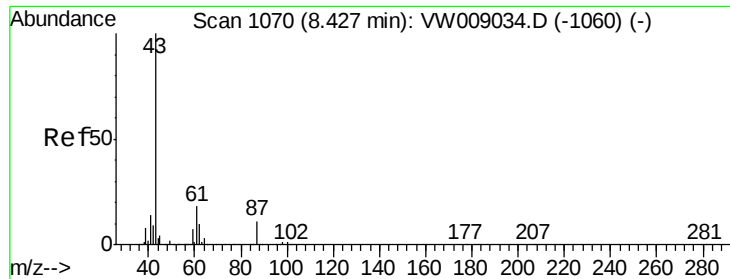
98 9.2 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 23.367 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

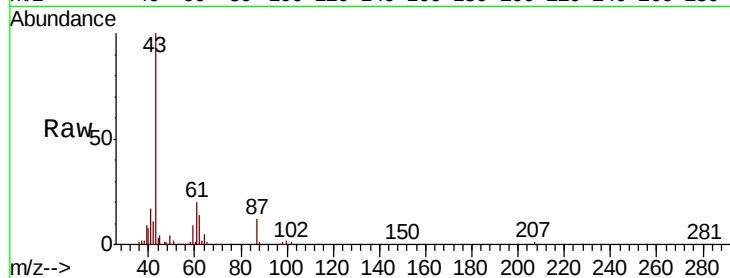
Tgt Ion: 43 Resp: 74483

Ion Ratio Lower Upper

43 100

61 29.3 22.8 34.2

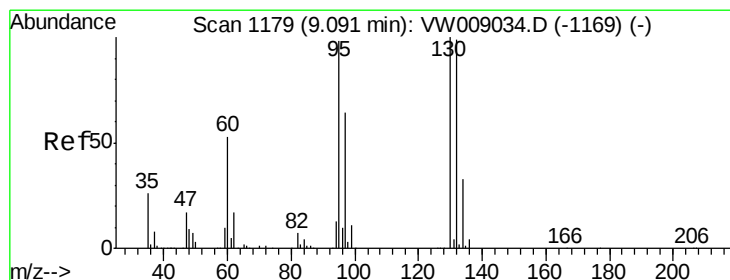
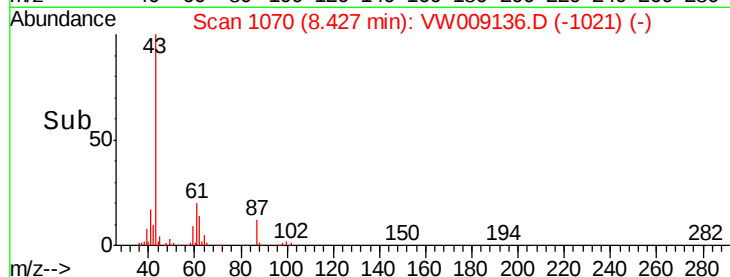
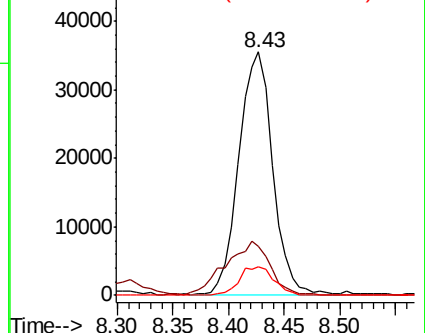
87 12.1 9.4 14.2



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: 21.794 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009136.D

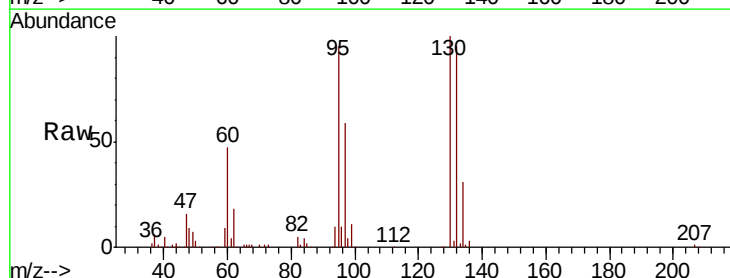
Acq: 13 Mar 2019 05:21

Tgt Ion: 130 Resp: 59413

Ion Ratio Lower Upper

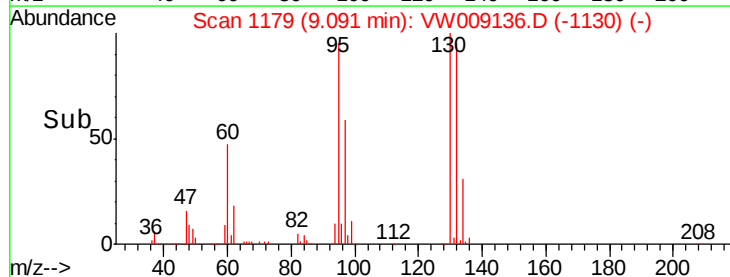
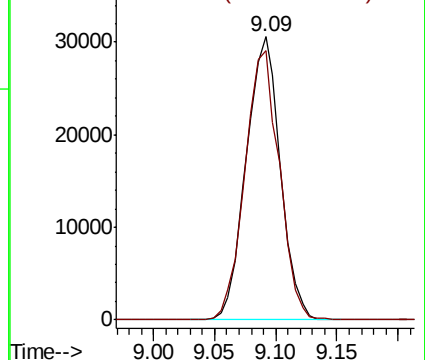
130 100

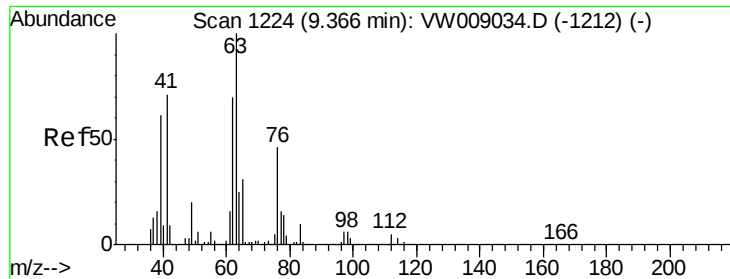
95 95.3 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

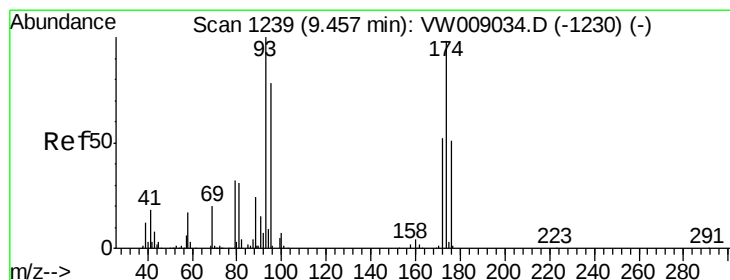
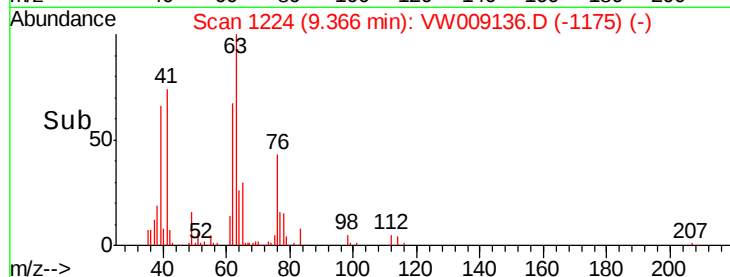
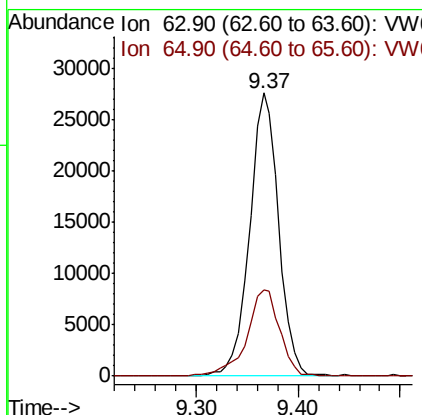
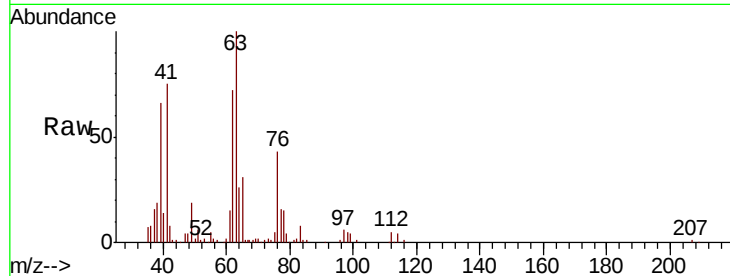




#45
 1,2-Dichloropropane
 Concen: 22.492 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

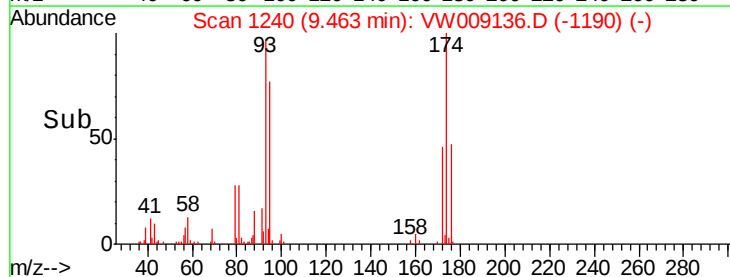
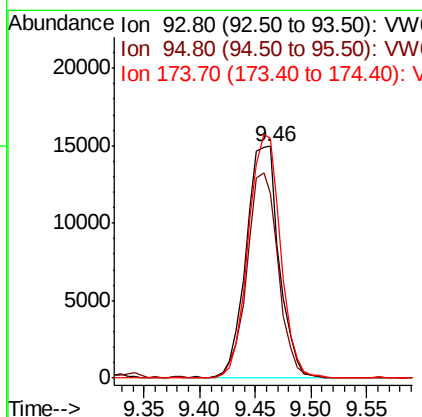
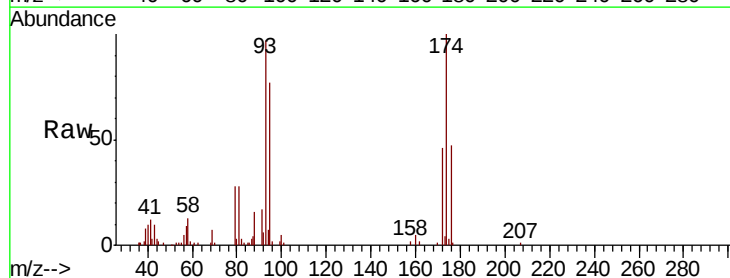
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

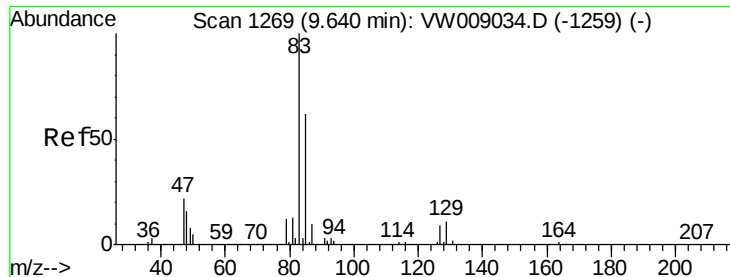
Tgt Ion: 63 Resp: 54790
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3



#46
 Dibromomethane
 Concen: 23.293 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 93 Resp: 30990
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.0 97.6
 174 102.2 81.8 122.6





#47

Bromodichloromethane

Concen: 23.708 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

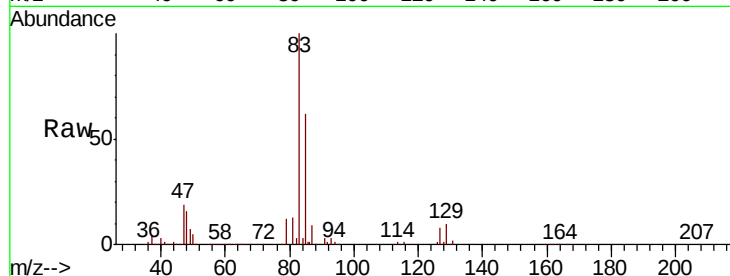
Tgt Ion: 83 Resp: 79842

Ion Ratio Lower Upper

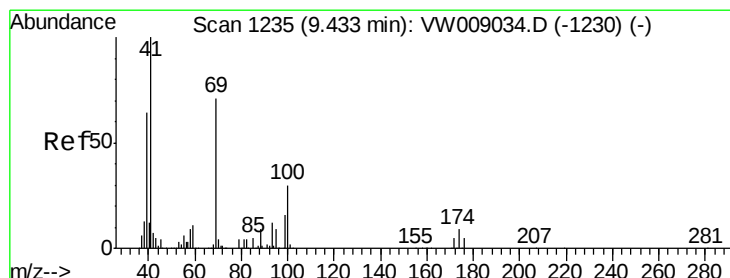
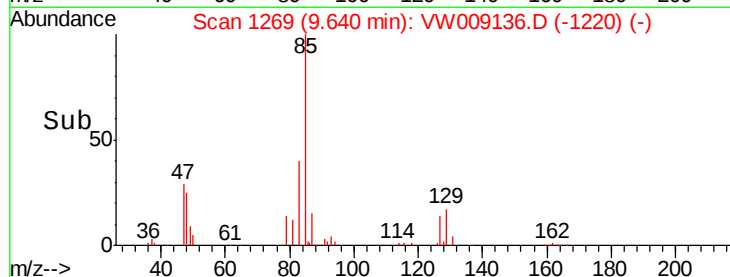
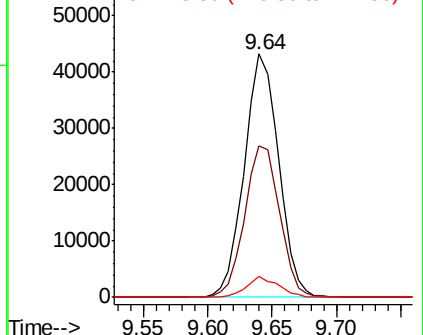
83 100

85 62.4 49.9 74.9

127 8.4 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): V



#48

Methyl methacrylate

Concen: 21.595 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

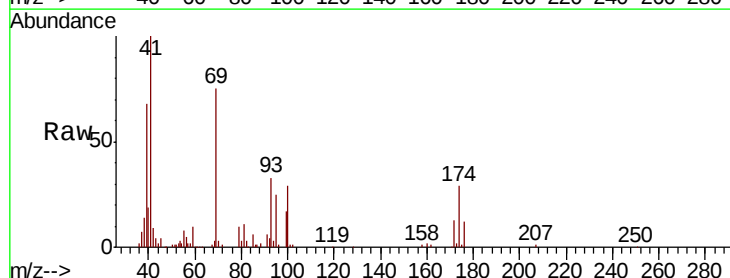
Tgt Ion: 41 Resp: 32052

Ion Ratio Lower Upper

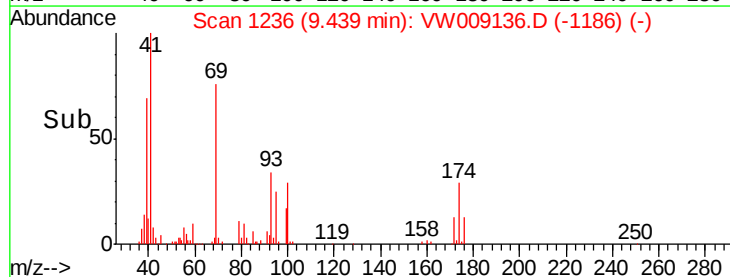
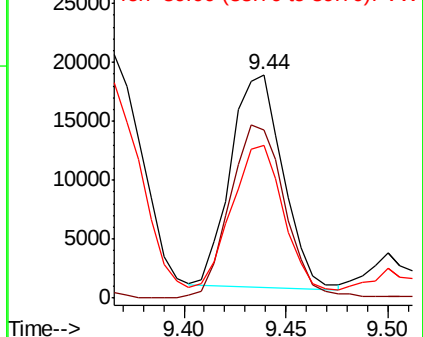
41 100

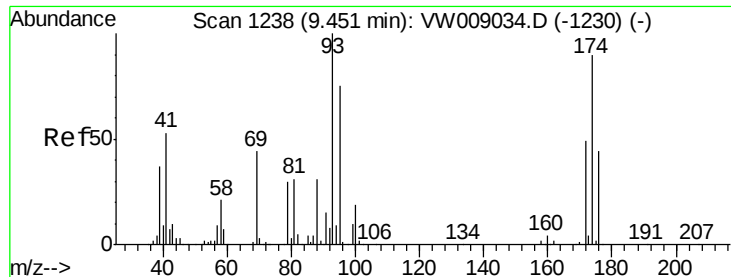
69 86.1 59.1 88.7

39 73.8 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: 450.523 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

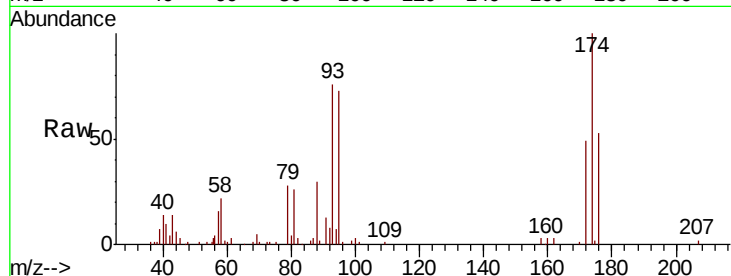
Tgt Ion: 88 Resp: 8583

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 81.9 59.2 88.8

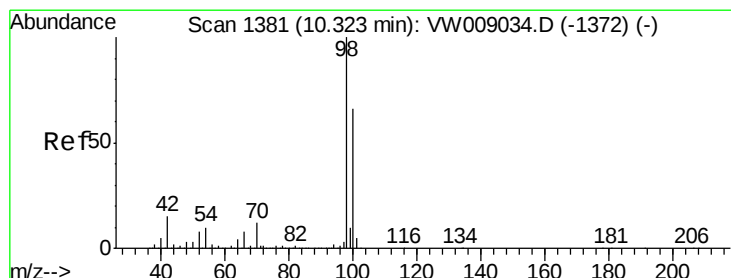
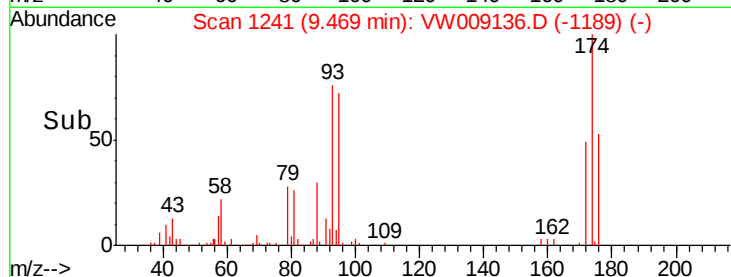
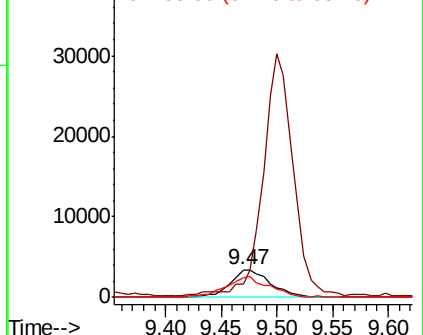


Abundance

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: 54.120 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009136.D

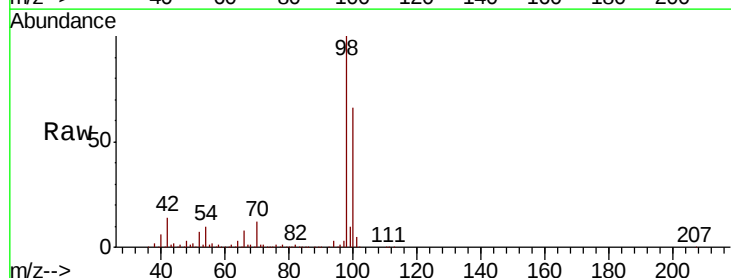
Acq: 13 Mar 2019 05:21

Tgt Ion: 98 Resp: 466351

Ion Ratio Lower Upper

98 100

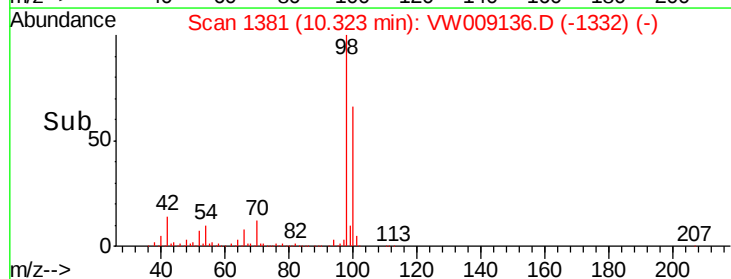
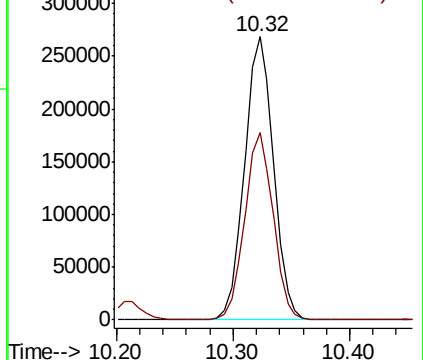
100 65.0 51.9 77.9

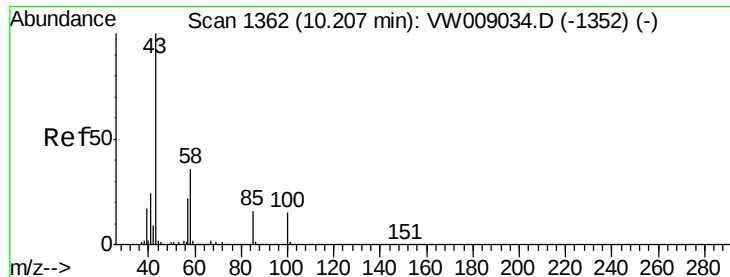


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

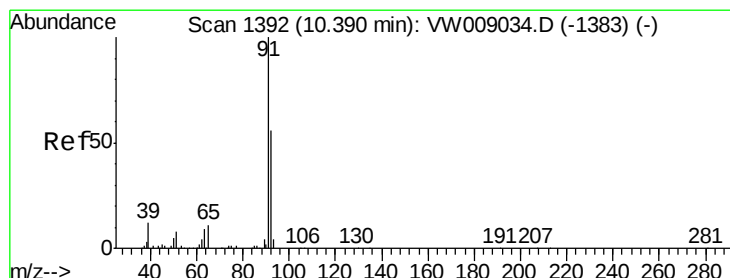
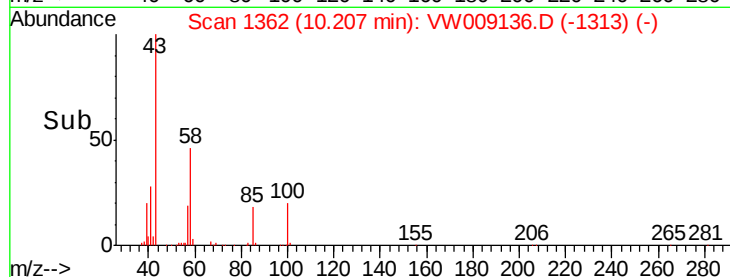
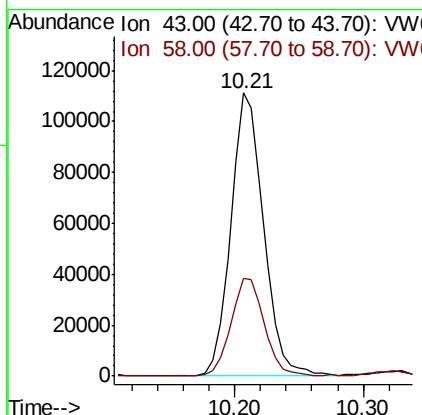
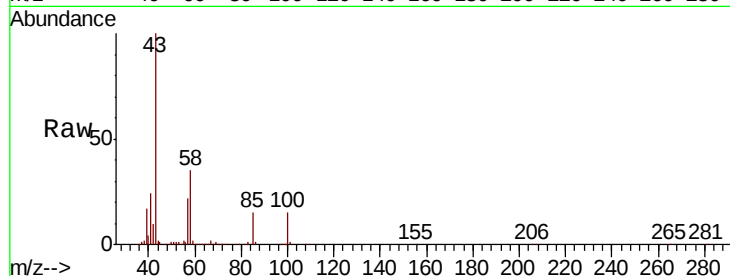




#51
 4-Methyl-2-Pentanone
 Concen: 120.760 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

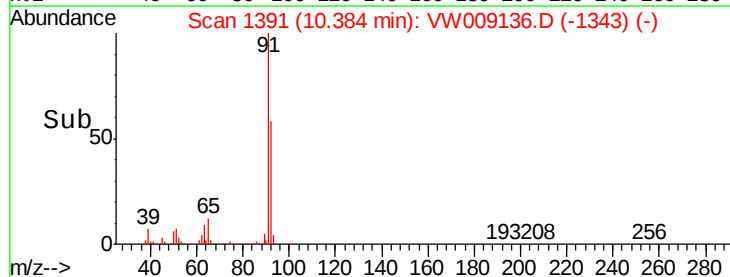
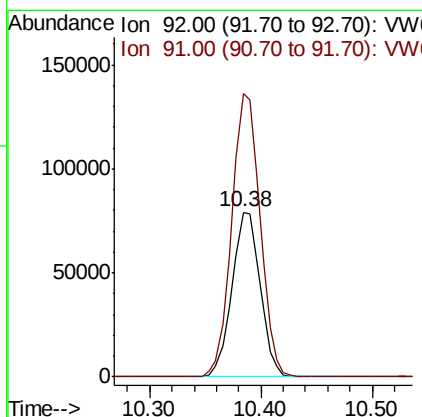
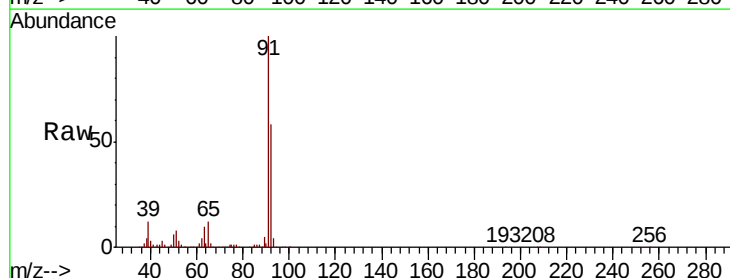
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

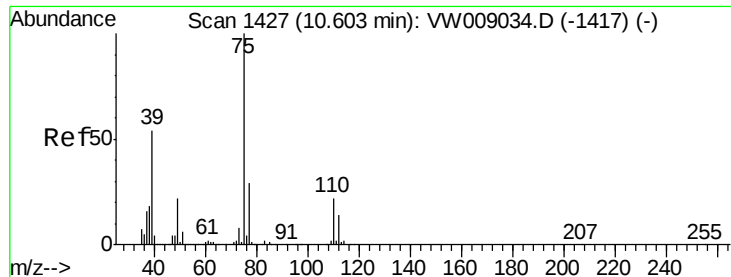
Tgt Ion: 43 Resp: 195414
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.8 43.2



#52
 Toluene
 Concen: 21.064 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 92 Resp: 138942
 Ion Ratio Lower Upper
 92 100
 91 173.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 21.740 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

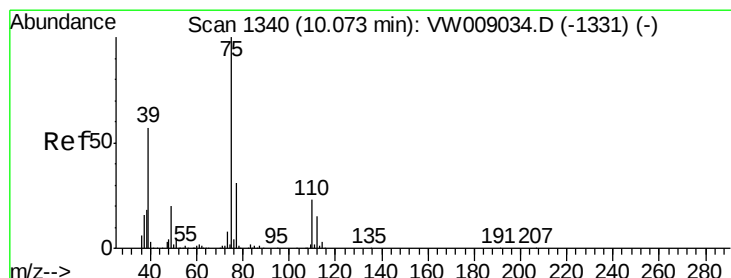
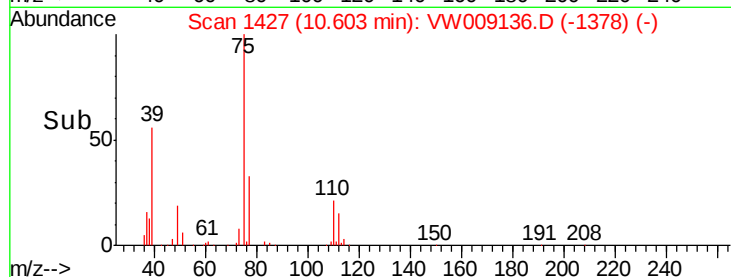
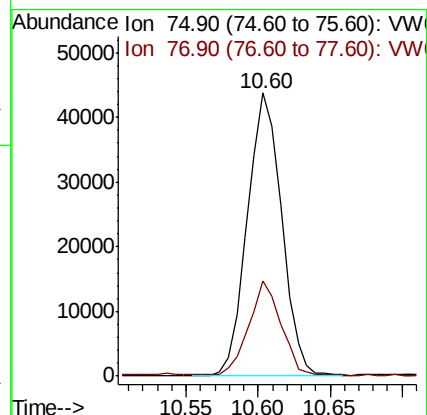
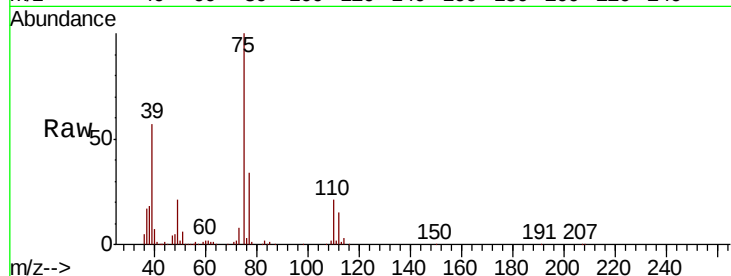
VW0312SBS02

Tgt Ion: 75 Resp: 72411

Ion Ratio Lower Upper

75 100

77 33.2 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 21.561 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

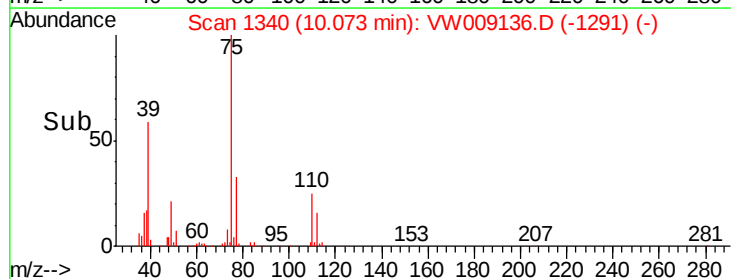
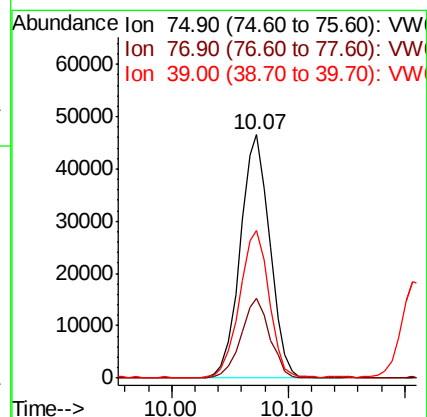
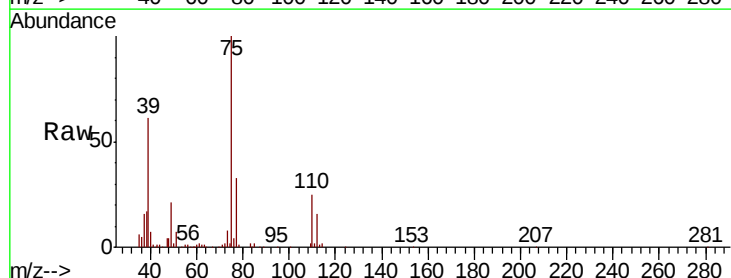
Tgt Ion: 75 Resp: 82527

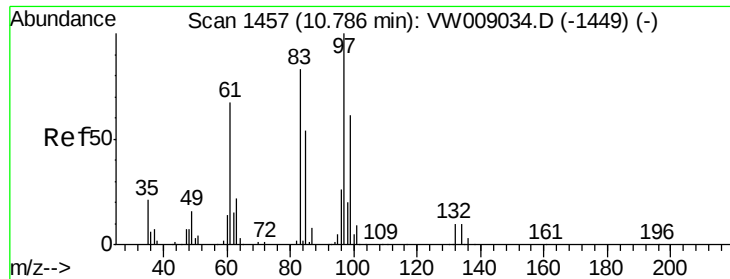
Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

39 60.5 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 23.475 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tgt Ion: 97 Resp: 42330

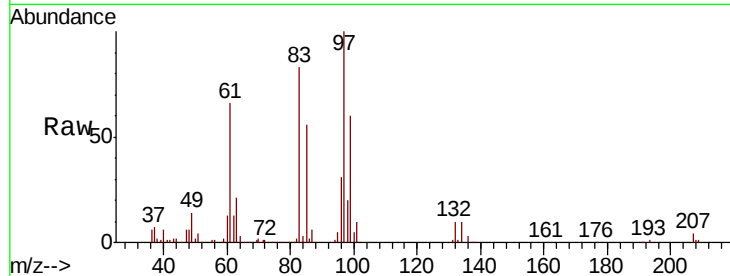
Ion Ratio Lower Upper

97 100

83 82.6 66.2 99.2

85 55.6 43.6 65.4

99 60.3 49.0 73.4

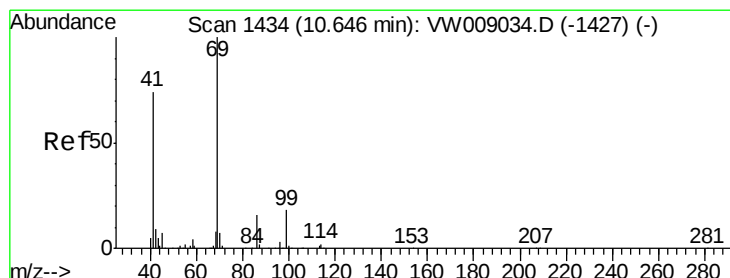
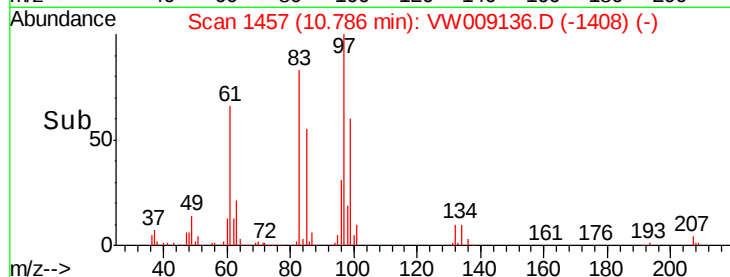
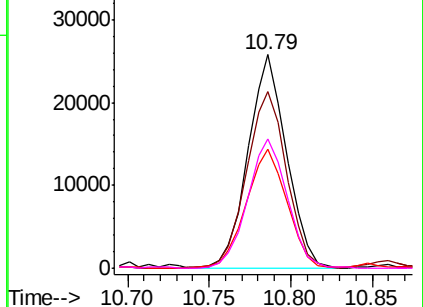


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 22.331 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

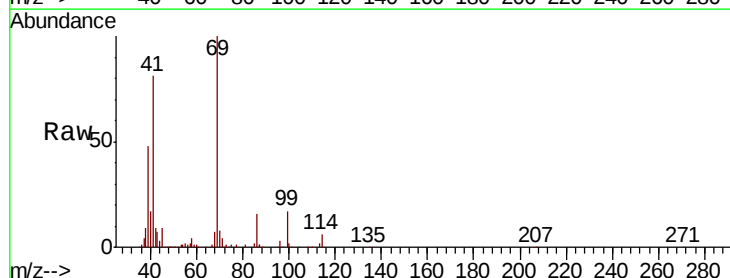
Tgt Ion: 69 Resp: 49976

Ion Ratio Lower Upper

69 100

41 77.9 59.4 89.2

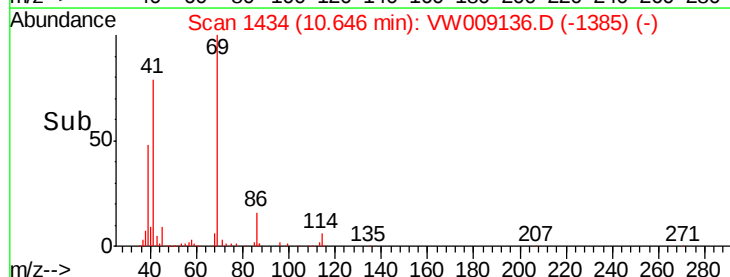
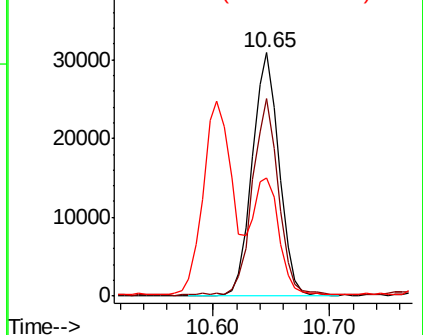
39 45.6 38.5 57.7

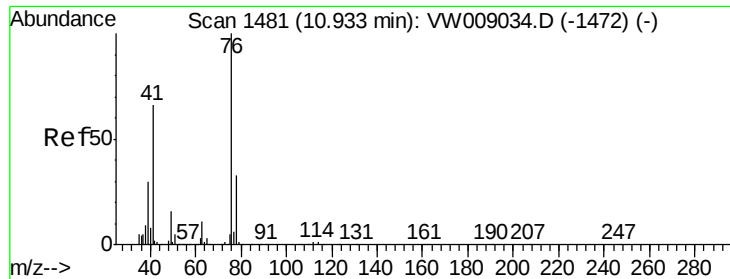


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

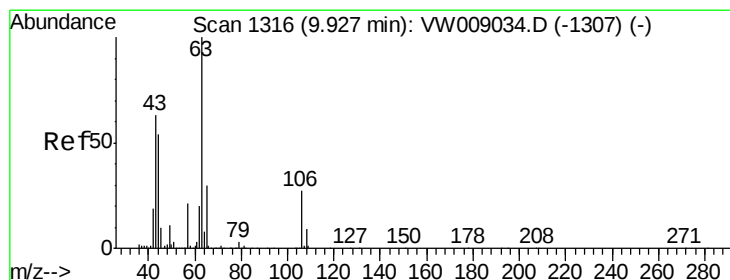
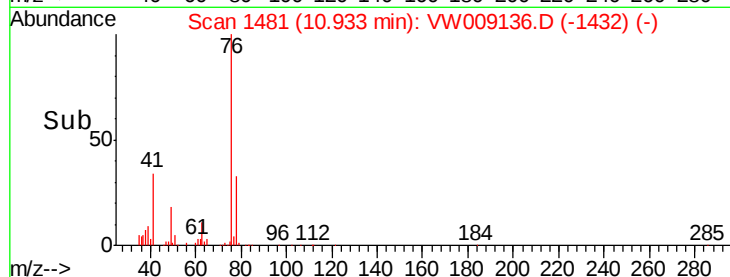
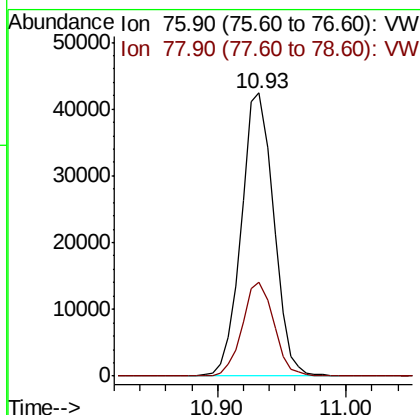
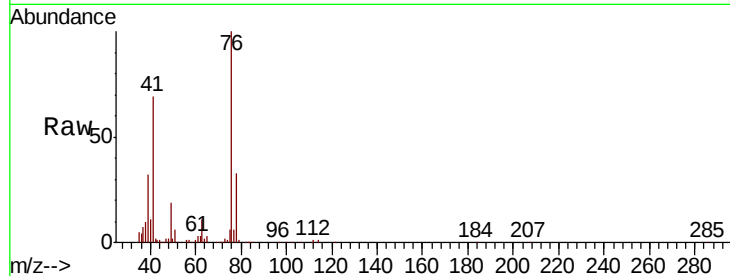




#57
 1,3-Dichloropropane
 Concen: 23.034 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

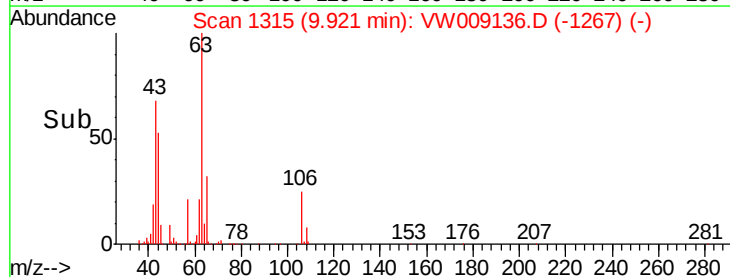
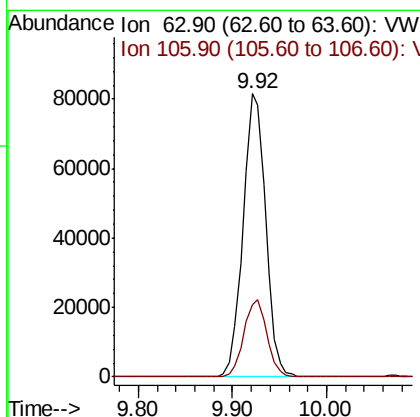
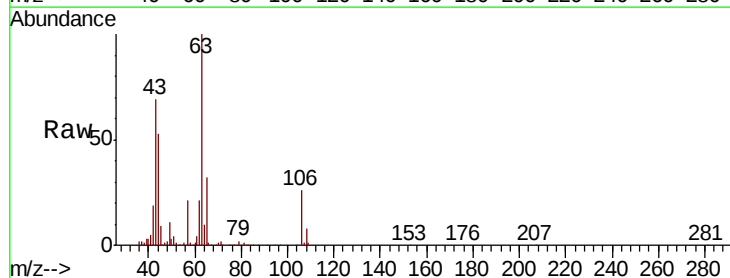
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

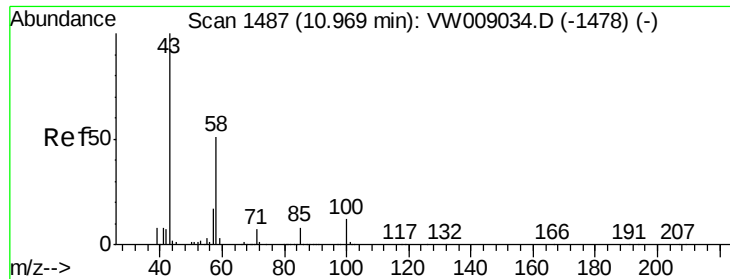
Tgt Ion: 76 Resp: 73579
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.089 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 63 Resp: 137003
 Ion Ratio Lower Upper
 63 100
 106 27.8 23.0 34.6





#59

2-Hexanone

Concen: 111.637 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

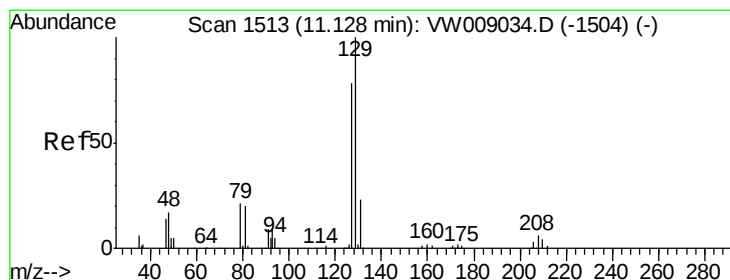
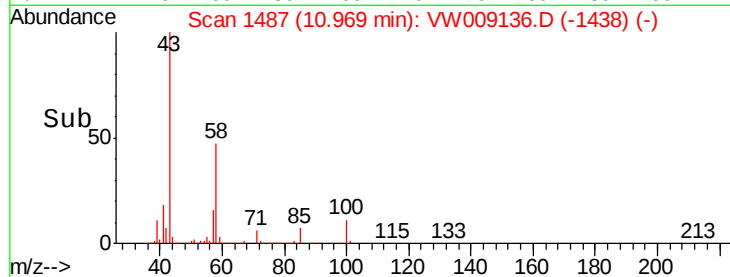
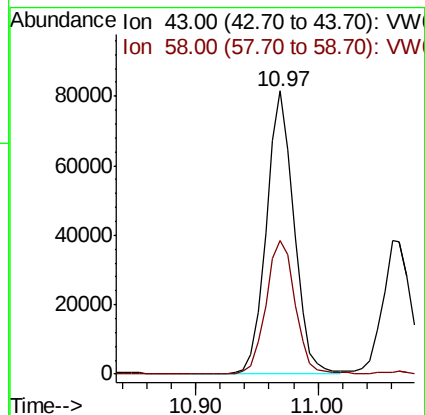
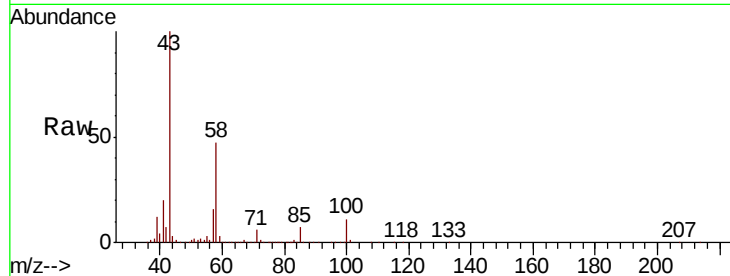
VW0312SBS02

Tgt Ion: 43 Resp: 127013

Ion Ratio Lower Upper

43 100

58 50.3 25.3 75.9



#60

Dibromochloromethane

Concen: 23.061 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009136.D

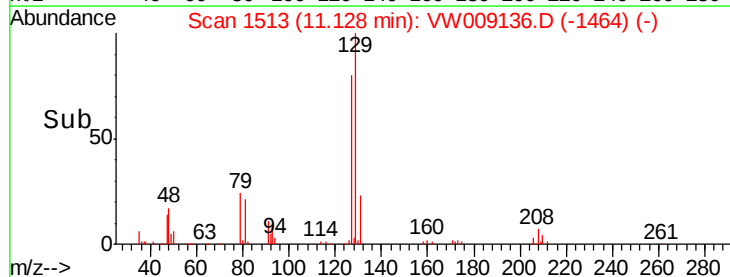
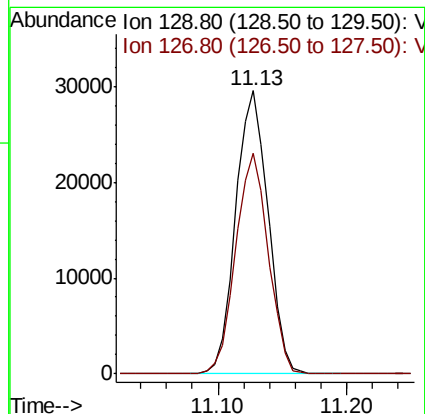
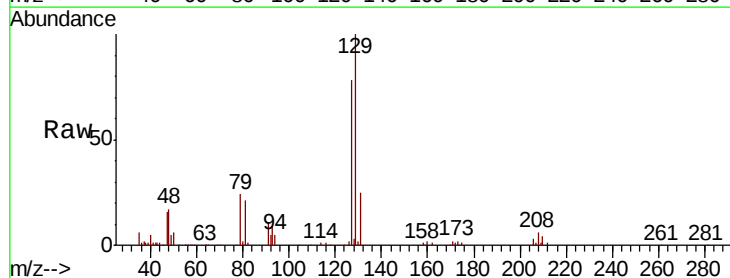
Acq: 13 Mar 2019 05:21

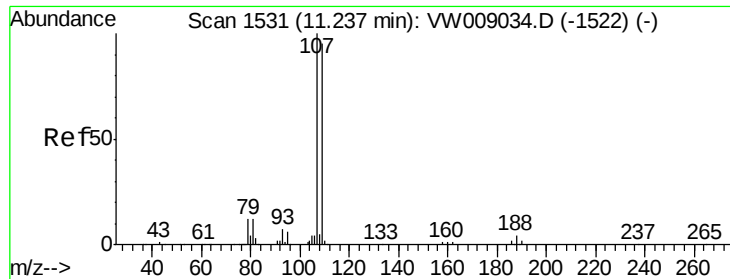
Tgt Ion: 129 Resp: 51463

Ion Ratio Lower Upper

129 100

127 78.5 38.4 115.1

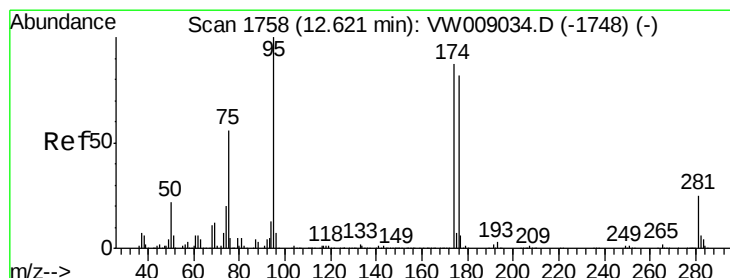
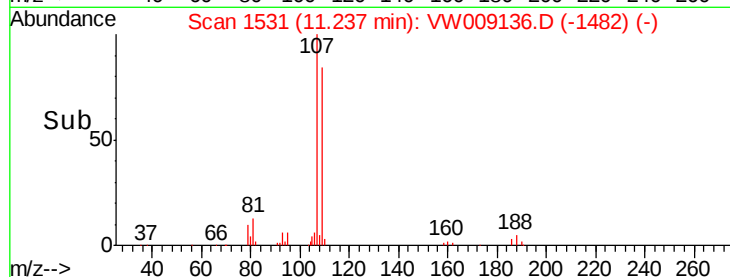
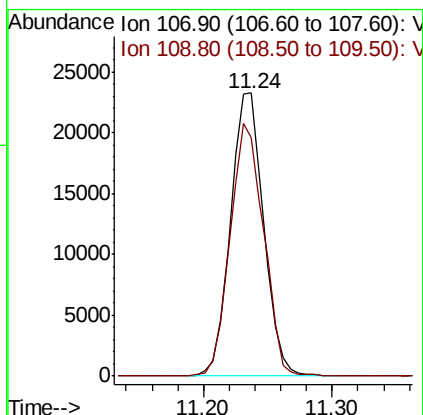
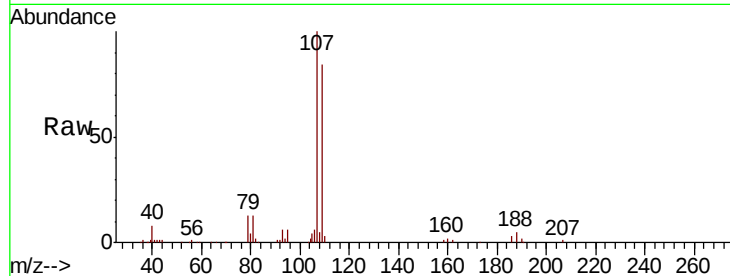




#61
 1,2-Dibromoethane
 Concen: 23.585 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

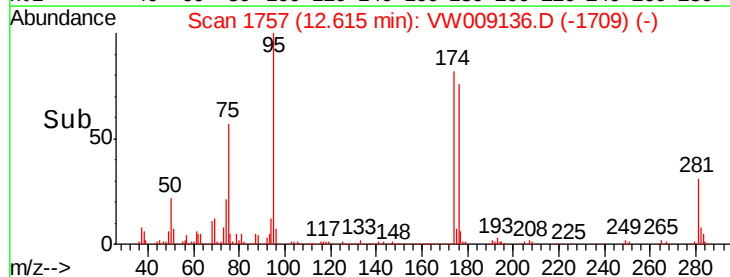
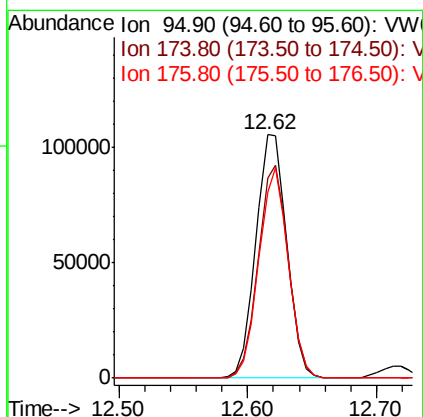
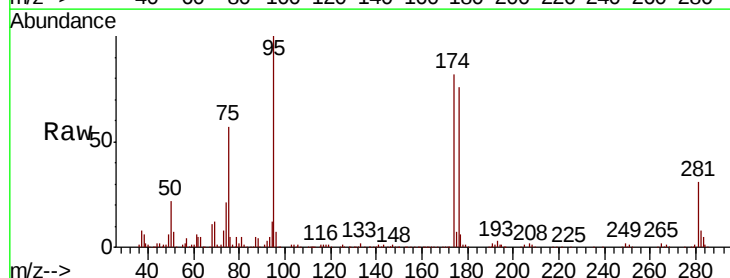
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

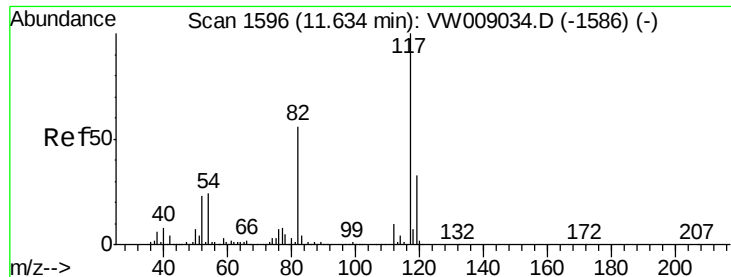
Tgt Ion: 107 Resp: 41692
 Ion Ratio Lower Upper
 107 100
 109 90.0 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 51.447 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 95 Resp: 174519
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 167.0
 176 81.8 0.0 159.4

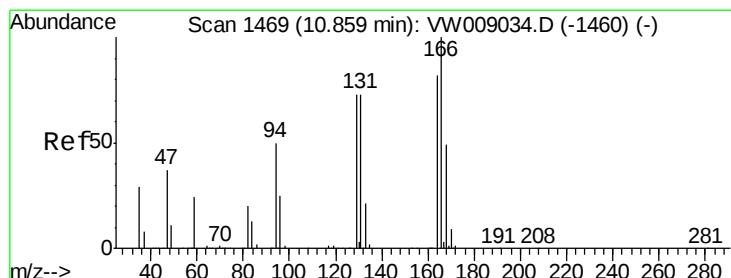
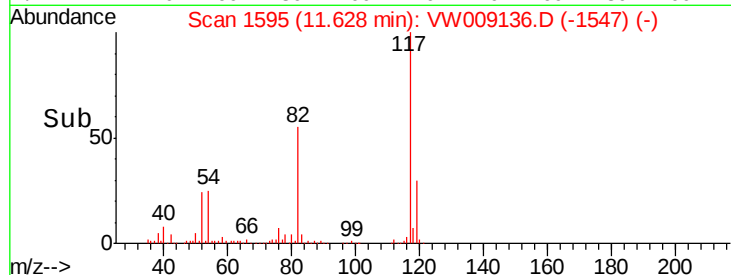
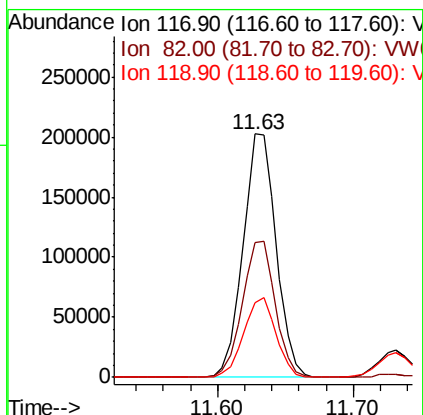
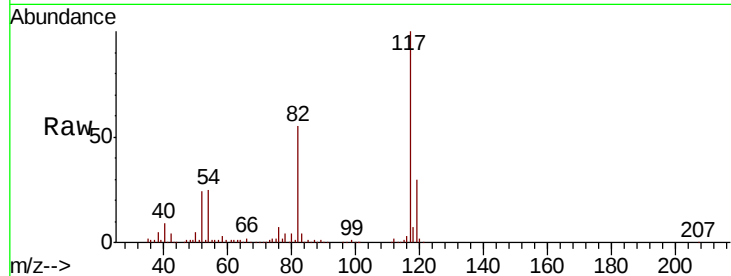




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

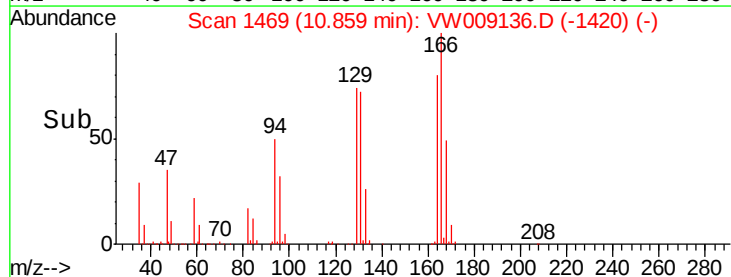
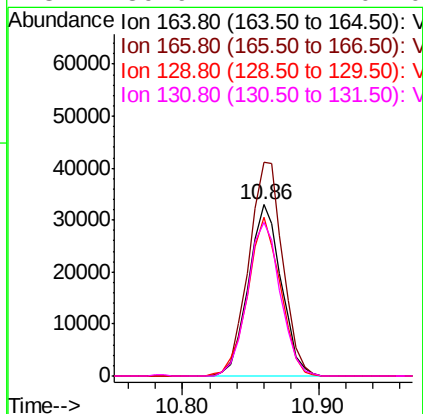
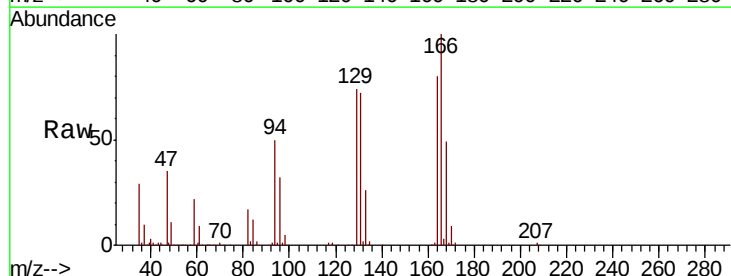
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

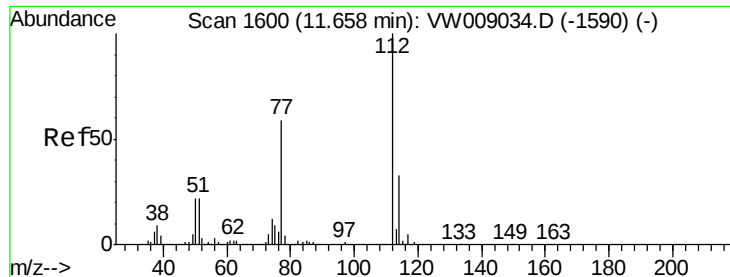
Tgt Ion:117 Resp: 344518
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.6
119 30.5 26.6 39.8



#64
Tetrachloroethene
Concen: 22.508 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:164 Resp: 55922
Ion Ratio Lower Upper
164 100
166 124.7 97.8 146.6
129 92.9 71.6 107.4
131 89.9 71.4 107.0

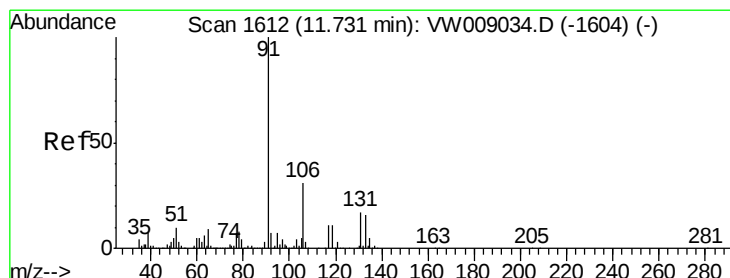
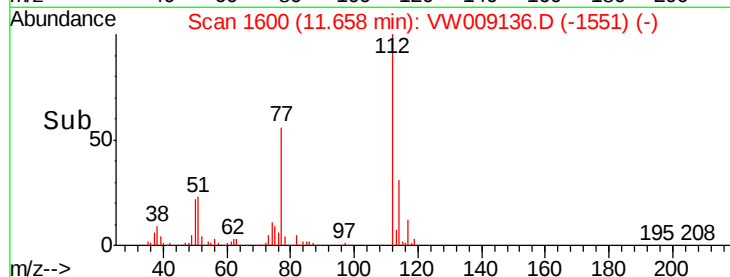
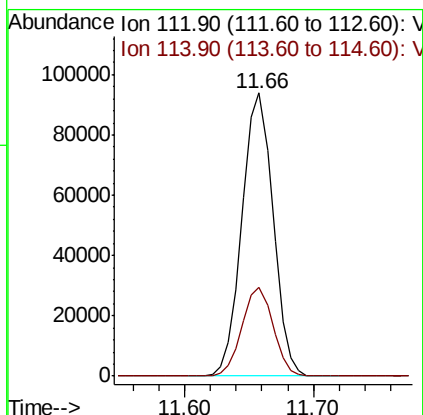
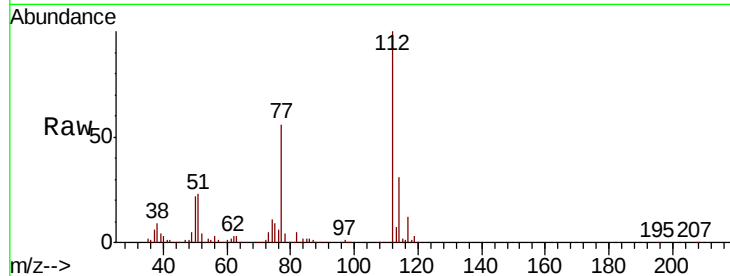




#65
Chlorobenzene
Concen: 20.947 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

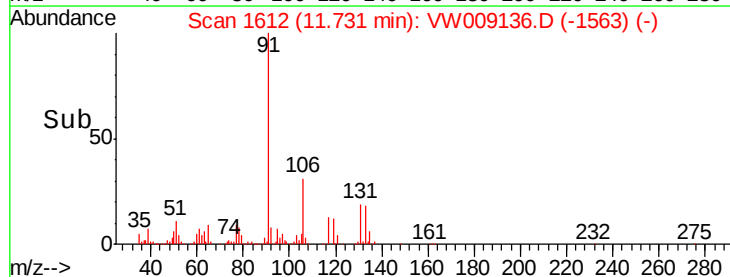
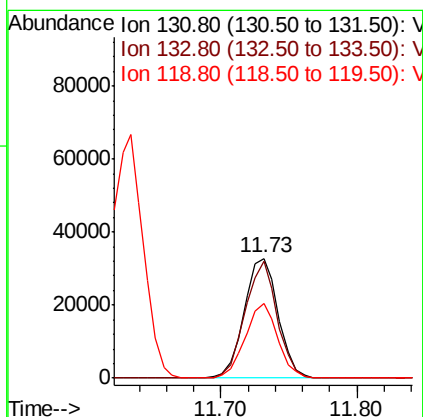
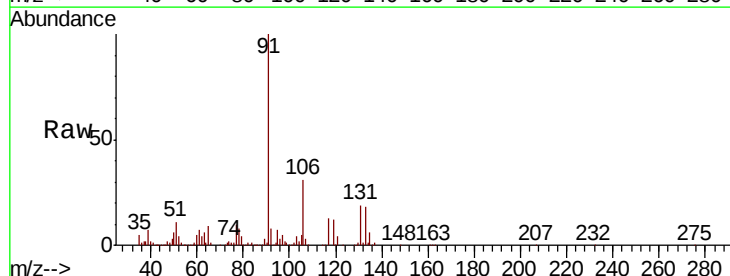
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

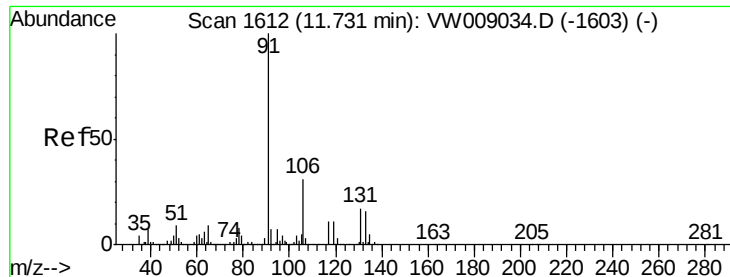
Tgt Ion:112 Resp: 157076
Ion Ratio Lower Upper
112 100
114 31.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.846 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:131 Resp: 57202
Ion Ratio Lower Upper
131 100
133 92.2 47.6 142.8
119 60.1 31.3 93.8

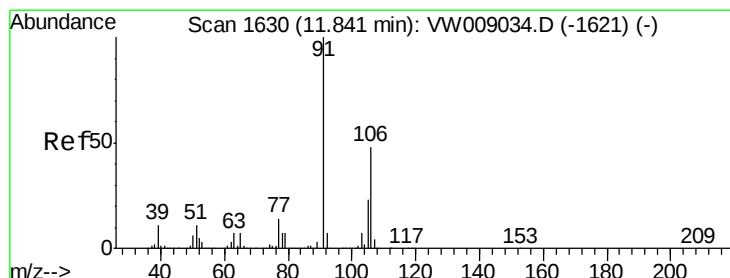
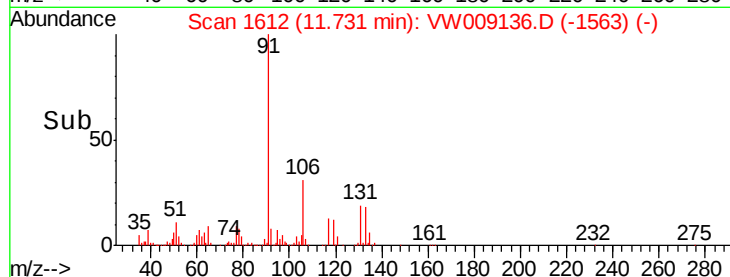
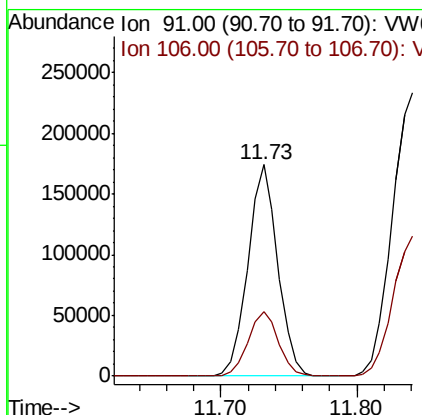
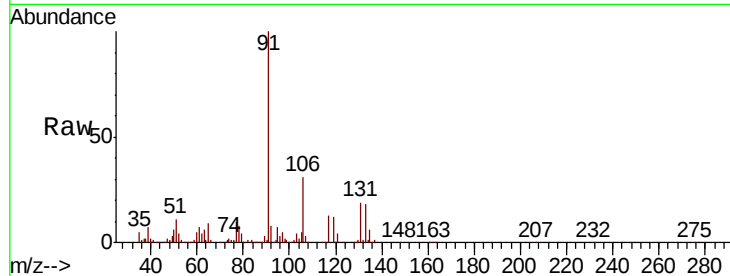




#67
Ethyl Benzene
Concen: 19.673 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

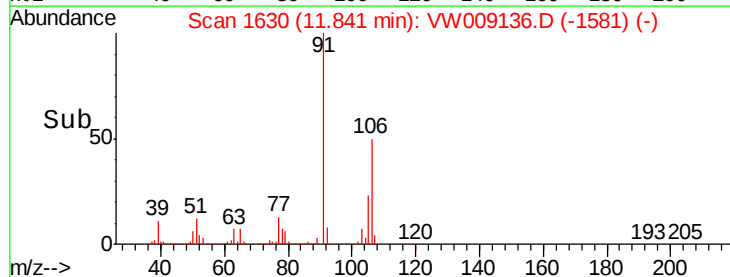
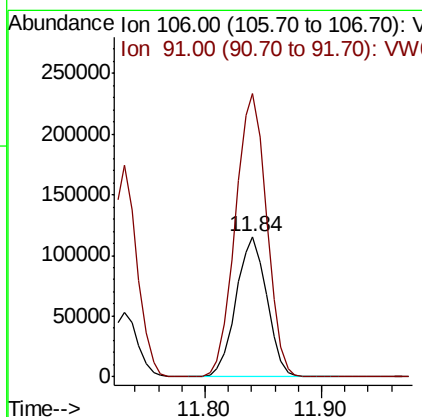
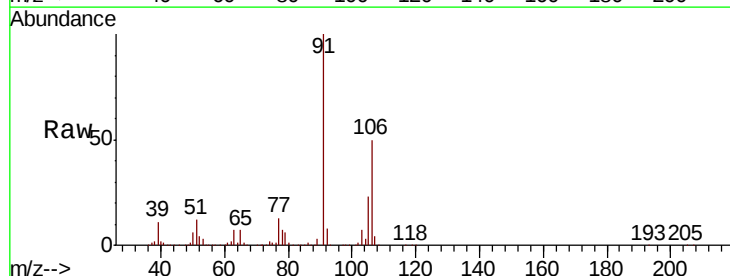
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

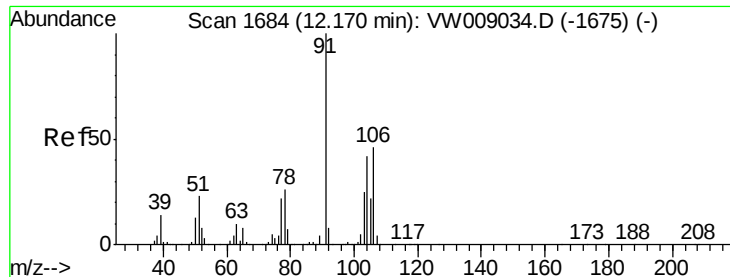
Tgt Ion: 91 Resp: 266517
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4



#68
m/p-Xylenes
Concen: 39.838 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 106 Resp: 213022
Ion Ratio Lower Upper
106 100
91 205.0 163.2 244.8

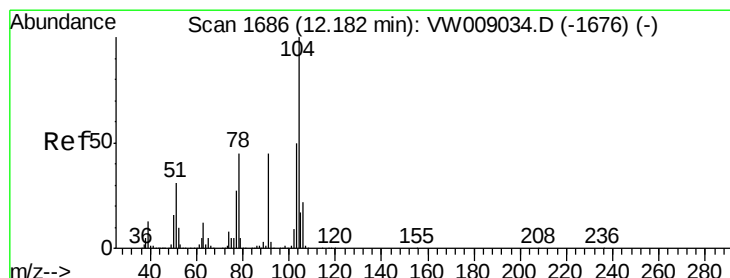
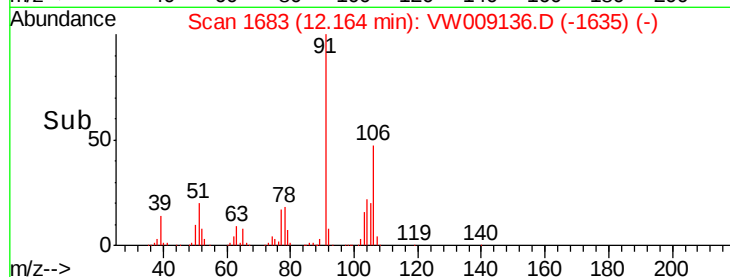
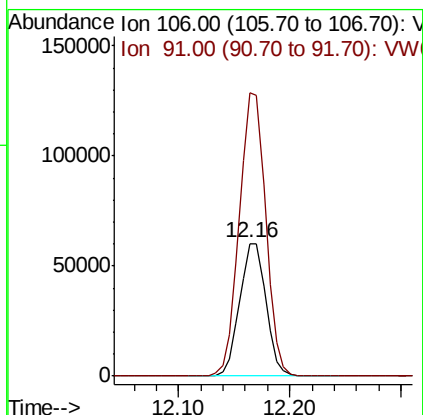
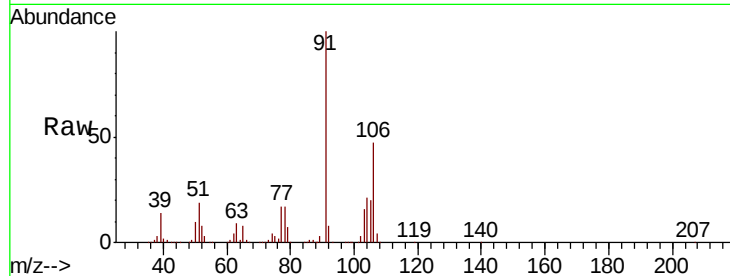




#69
o-Xylene
Concen: 20.008 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

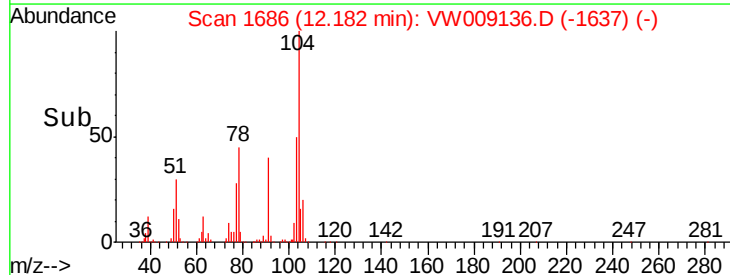
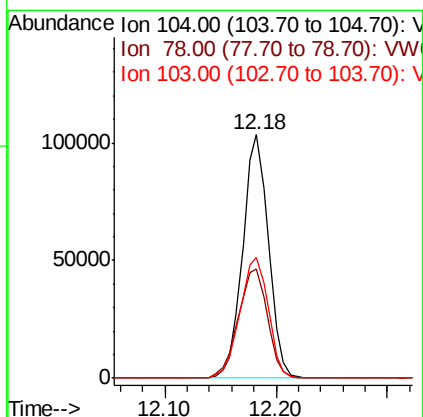
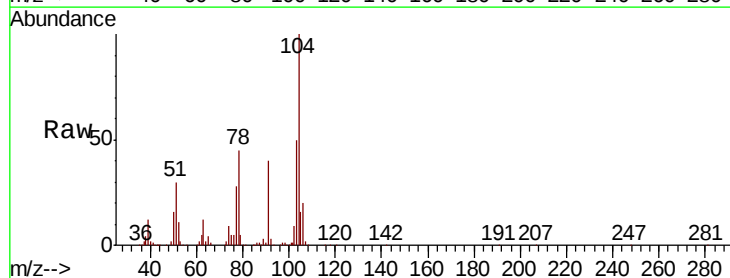
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

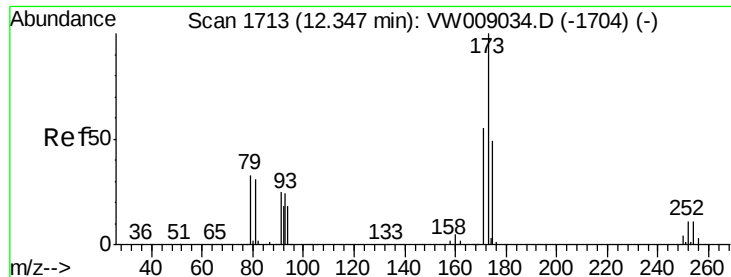
Tgt Ion:106 Resp: 99545
Ion Ratio Lower Upper
106 100
91 213.6 108.6 325.6



#70
Styrene
Concen: 20.642 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:104 Resp: 166167
Ion Ratio Lower Upper
104 100
78 51.2 42.1 63.1
103 54.9 43.9 65.9





#71

Bromoform

Concen: 22.518 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

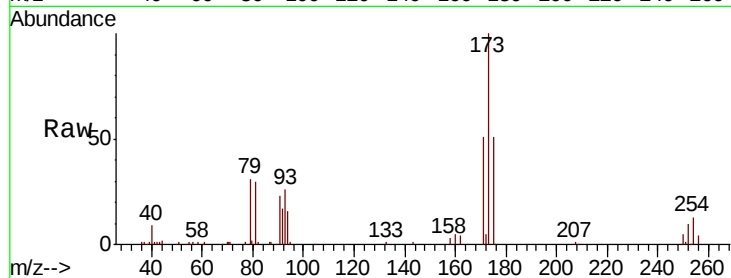
Tgt Ion:173 Resp: 30274

Ion Ratio Lower Upper

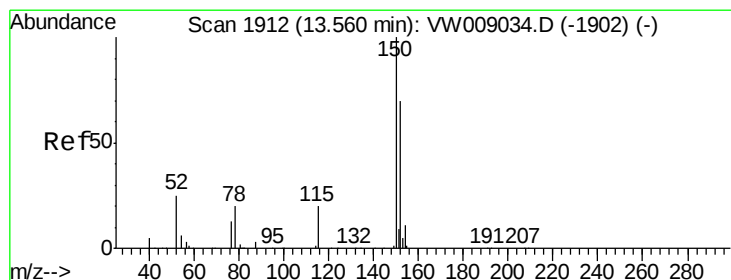
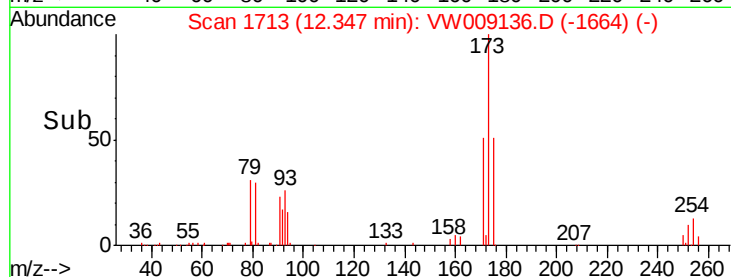
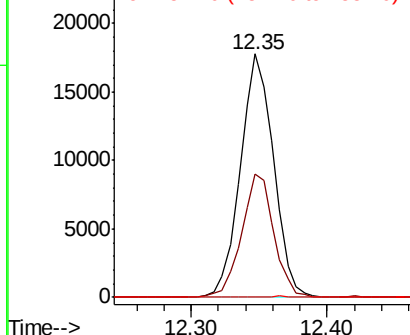
173 100

175 49.4 24.6 74.0

254 0.1 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: VW009136.D

Acq: 13 Mar 2019 05:21

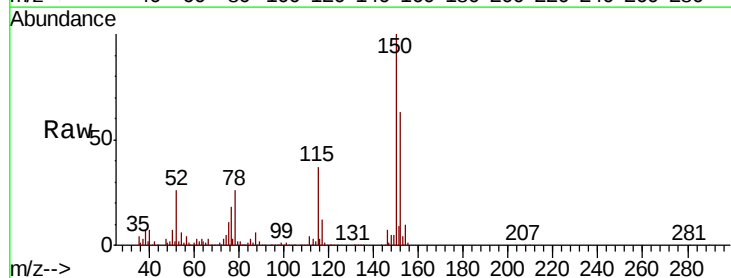
Tgt Ion:152 Resp: 181964

Ion Ratio Lower Upper

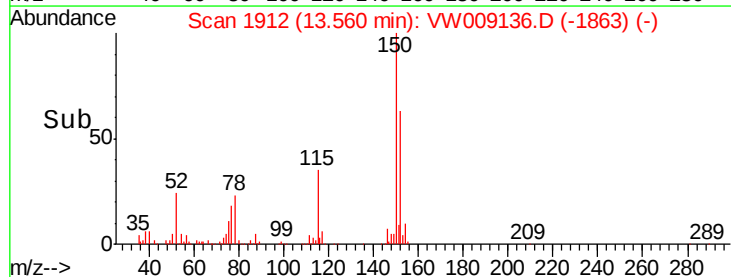
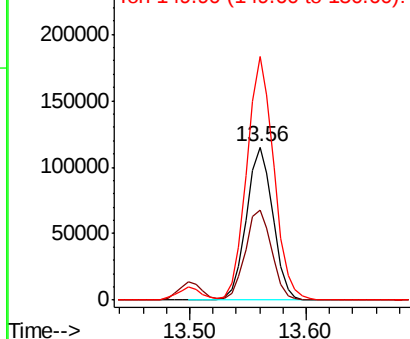
152 100

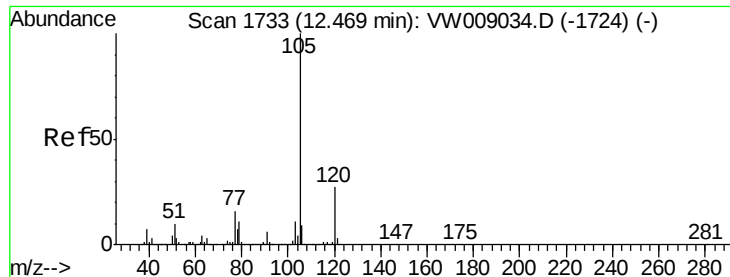
115 59.3 28.9 86.7

150 163.6 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: 20.507 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

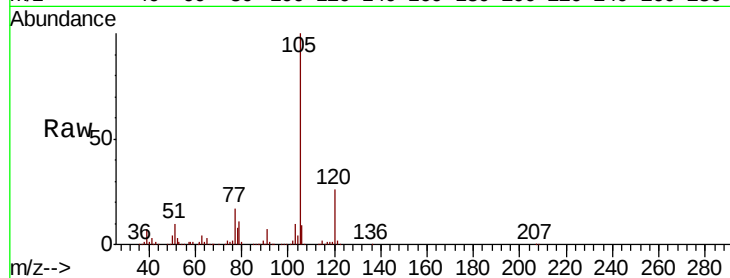
VW0312SBS02

Tgt Ion: 105 Resp: 267218

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

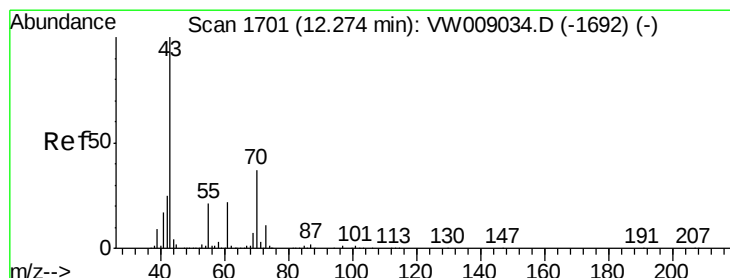
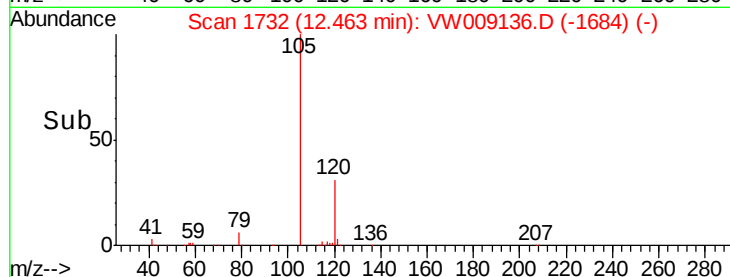
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 22.905 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion: 43 Resp: 70657

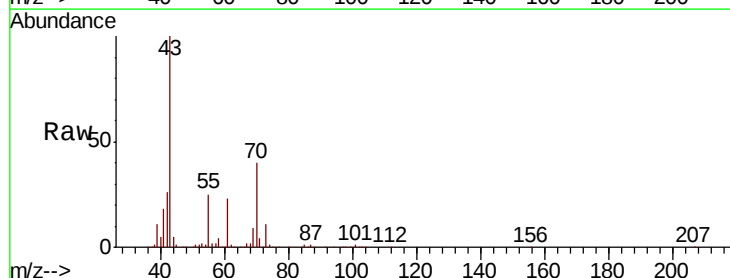
Ion Ratio Lower Upper

43 100

70 39.2 30.8 46.2

55 25.5 17.8 26.8

61 22.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

40000

20000

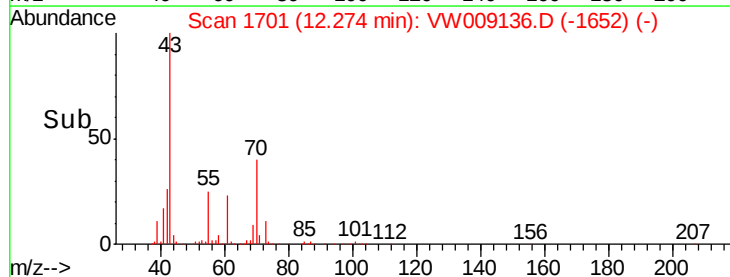
0

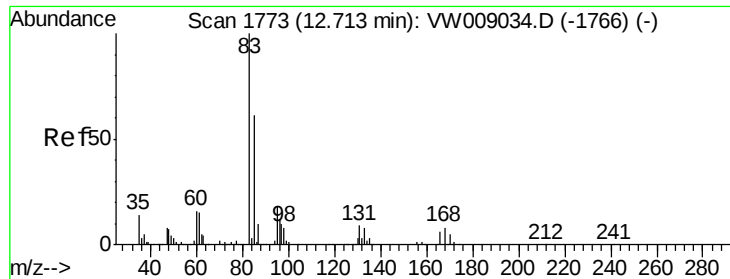
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.787 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

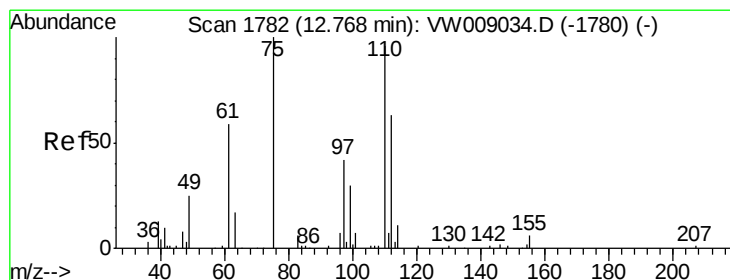
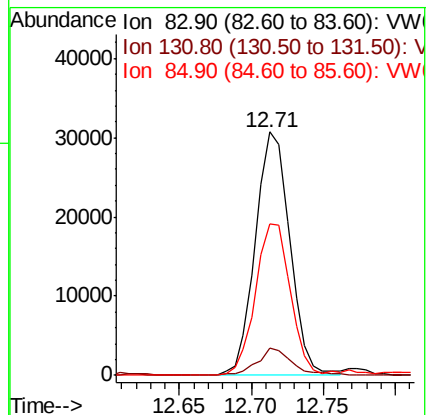
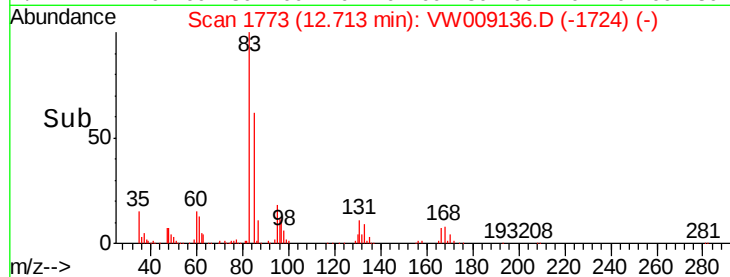
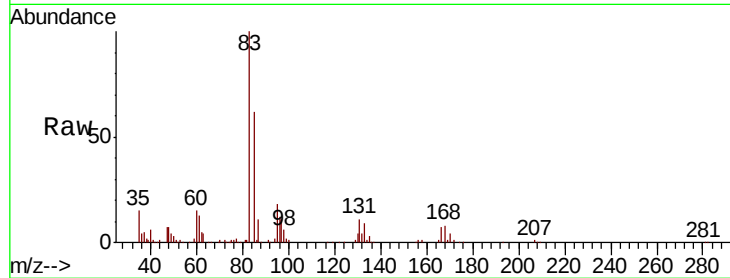
Tgt Ion: 83 Resp: 50948

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

85 62.9 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 45.369 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009136.D

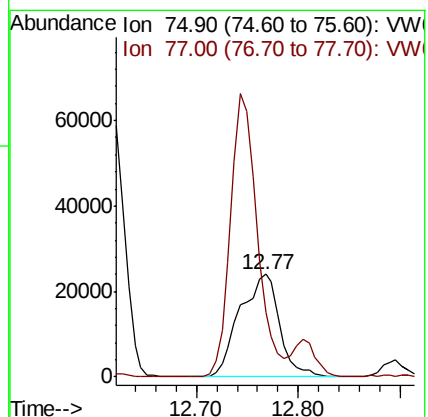
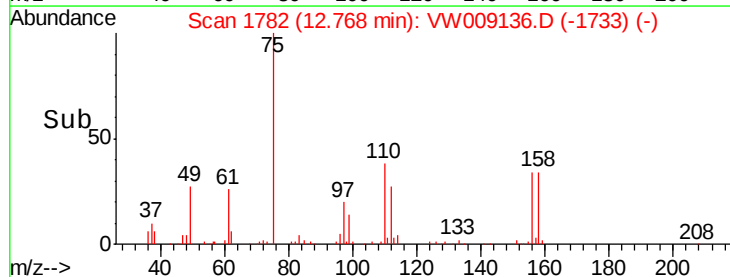
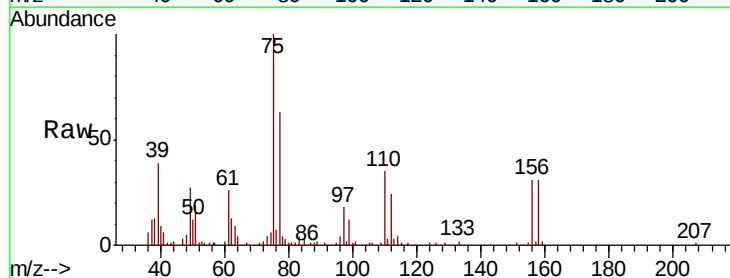
Acq: 13 Mar 2019 05:21

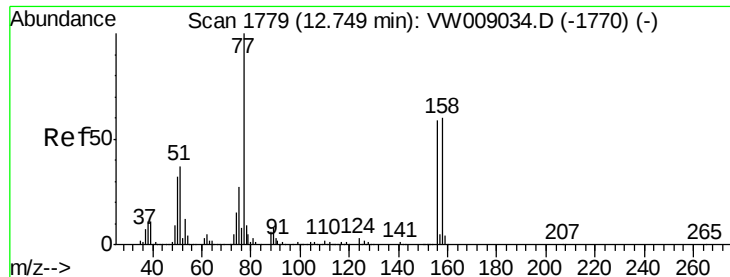
Tgt Ion: 75 Resp: 65225

Ion Ratio Lower Upper

75 100

77 0.0 186.7 560.0#





#77

Bromobenzene

Concen: 22.061 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

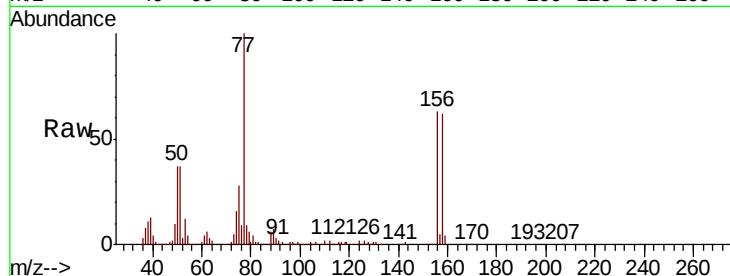
Tgt Ion:156 Resp: 65683

Ion Ratio Lower Upper

156 100

77 183.6 93.0 279.2

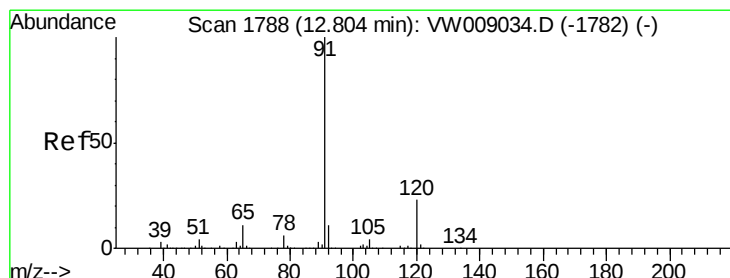
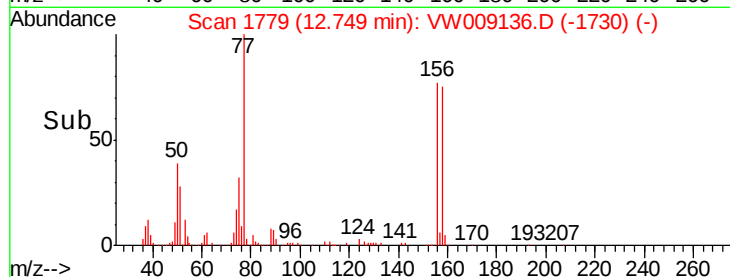
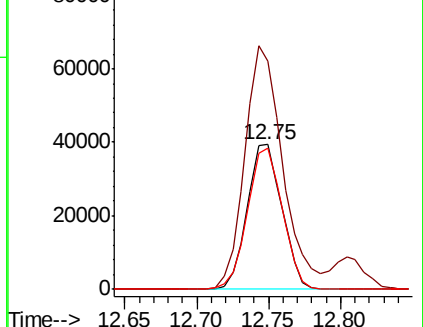
158 98.1 50.0 149.8



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: 20.311 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009136.D

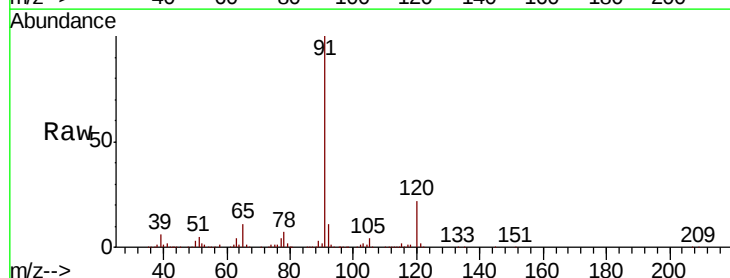
Acq: 13 Mar 2019 05:21

Tgt Ion: 91 Resp: 326001

Ion Ratio Lower Upper

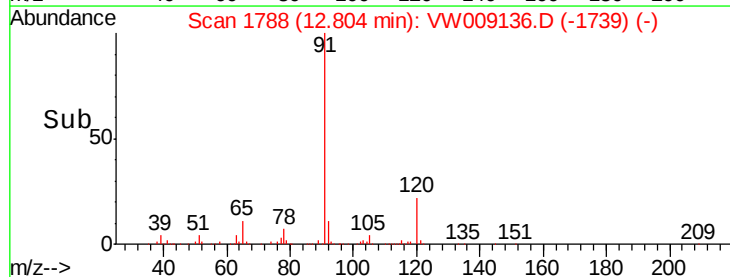
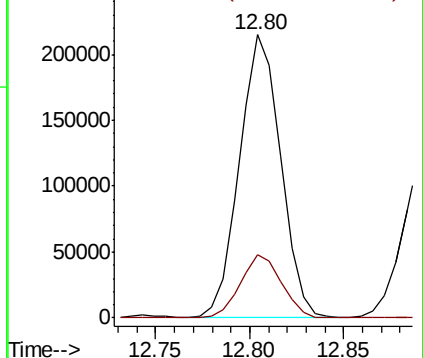
91 100

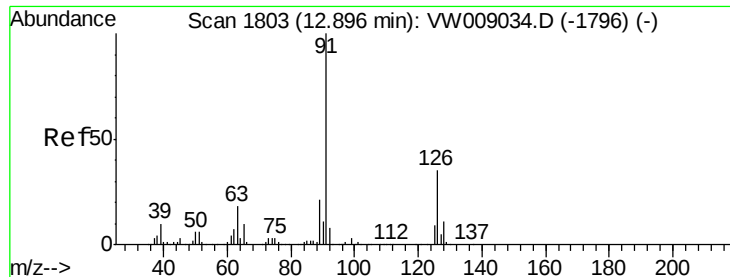
120 22.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.308 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

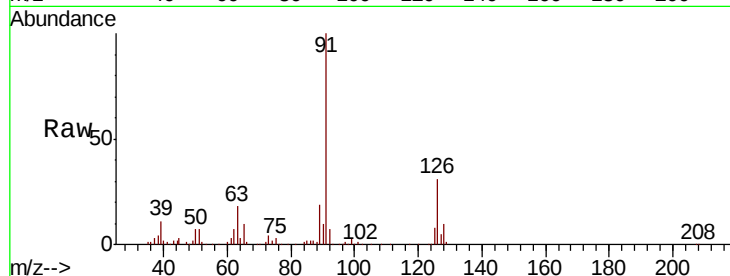
VW0312SBS02

Tgt Ion: 91 Resp: 192150

Ion Ratio Lower Upper

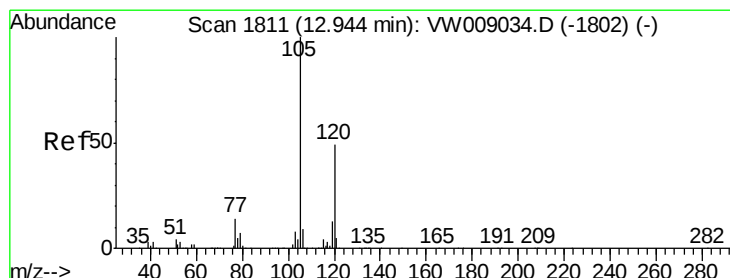
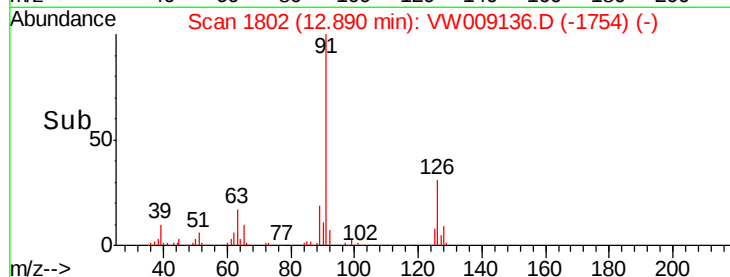
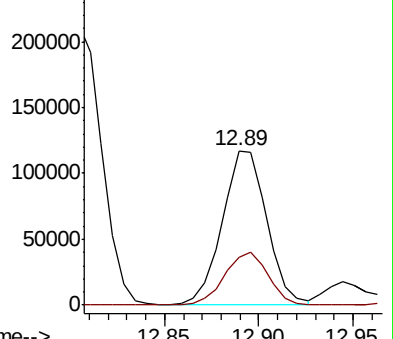
91 100

126 33.7 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: 20.409 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009136.D

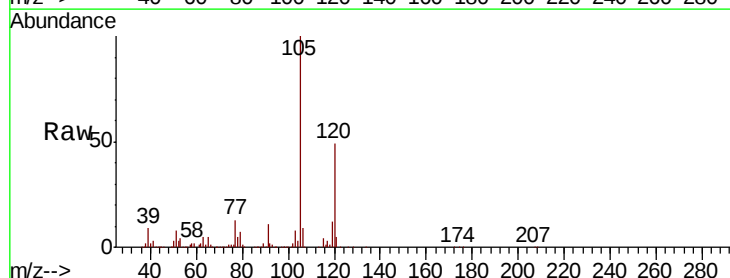
Acq: 13 Mar 2019 05:21

Tgt Ion:105 Resp: 229242

Ion Ratio Lower Upper

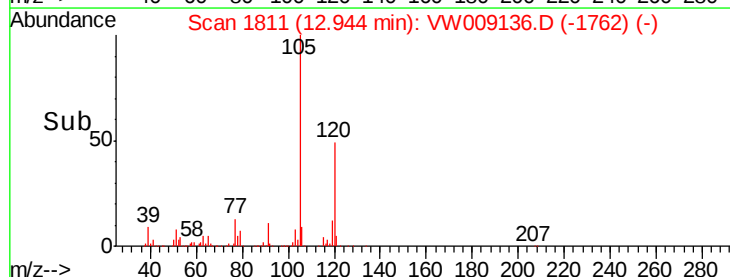
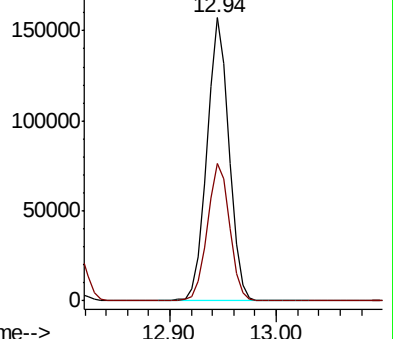
105 100

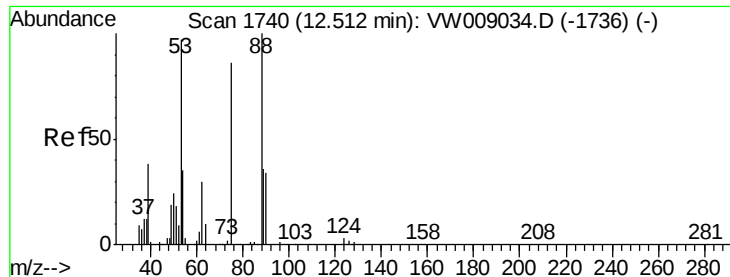
120 49.1 24.4 73.2



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: 20.610 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

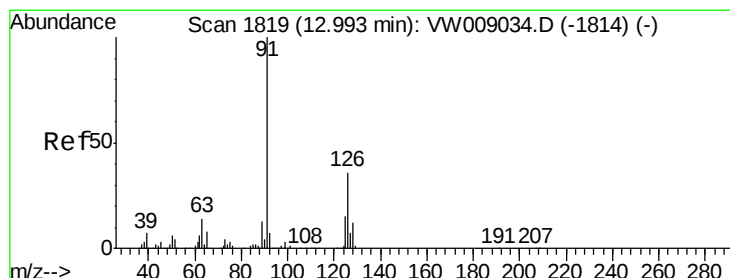
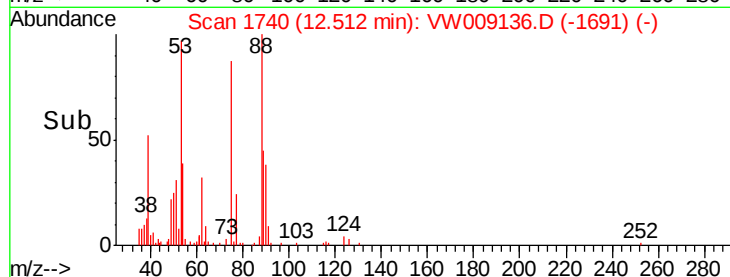
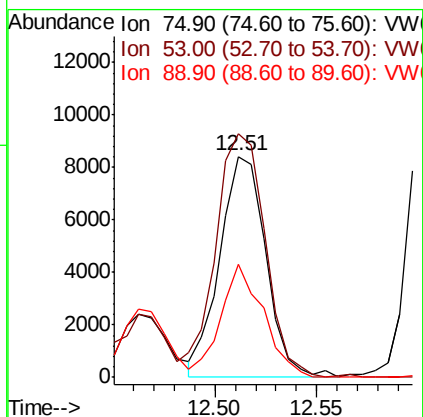
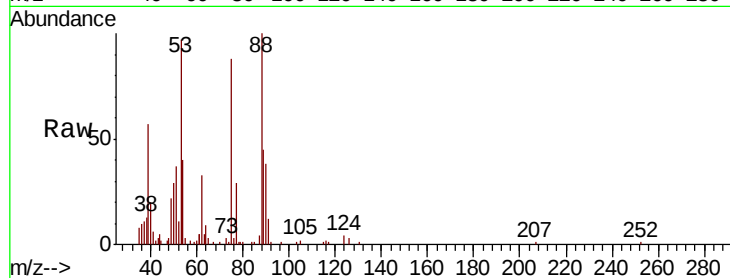
Tgt Ion: 75 Resp: 13247

Ion Ratio Lower Upper

75 100

53 118.6 90.5 135.7

89 47.4 37.5 56.3



#82

4-Chlorotoluene

Concen: 20.967 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009136.D

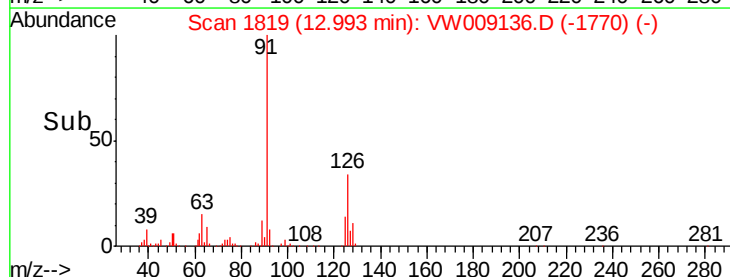
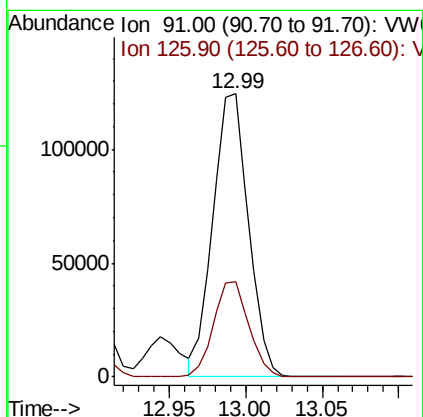
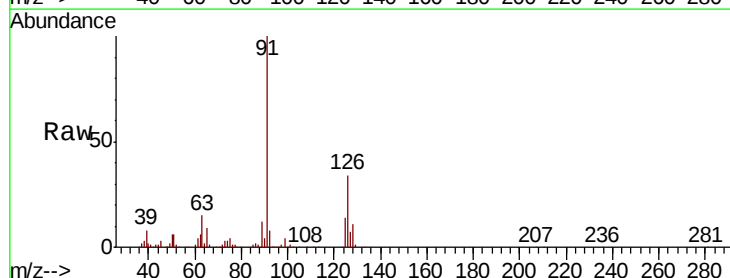
Acq: 13 Mar 2019 05:21

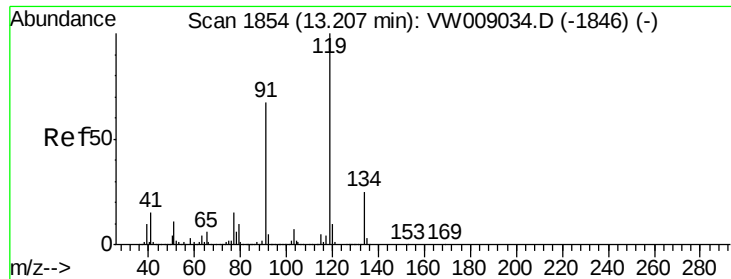
Tgt Ion: 91 Resp: 201547

Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8

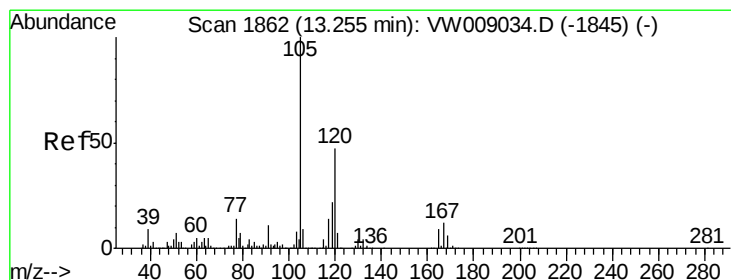
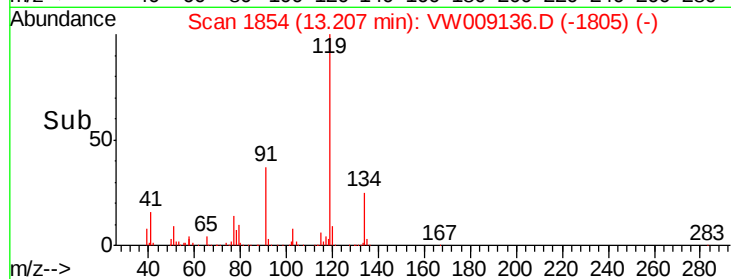
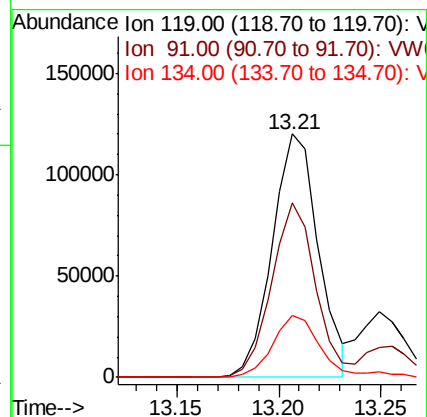
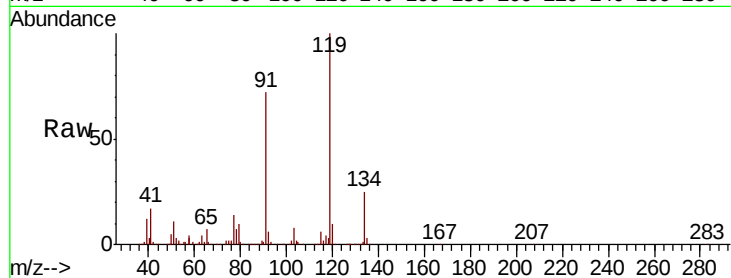




#83
 tert-Butylbenzene
 Concen: 20.014 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

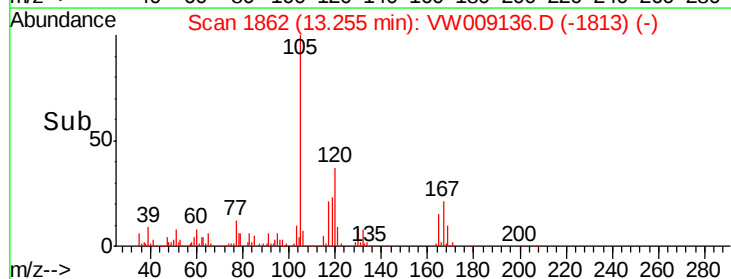
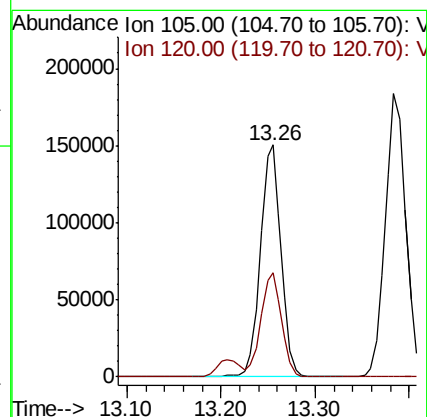
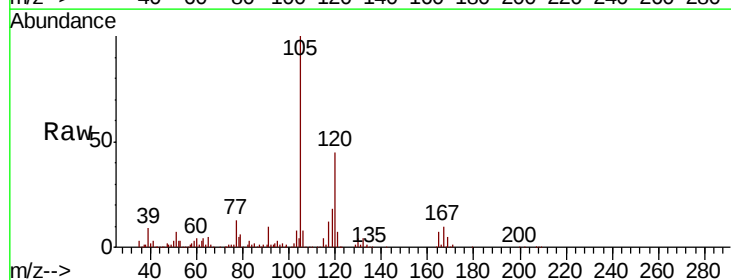
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

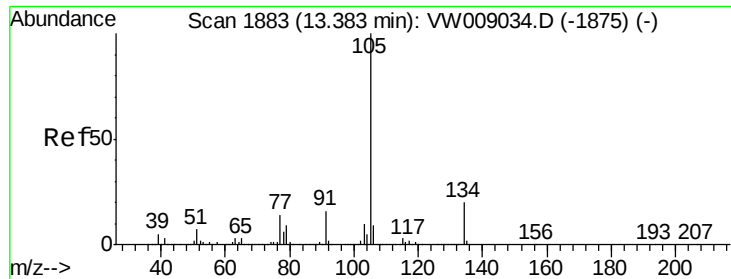
Tgt Ion:119 Resp: 189595
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.2 102.5
 134 27.0 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.483 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion:105 Resp: 232731
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.4

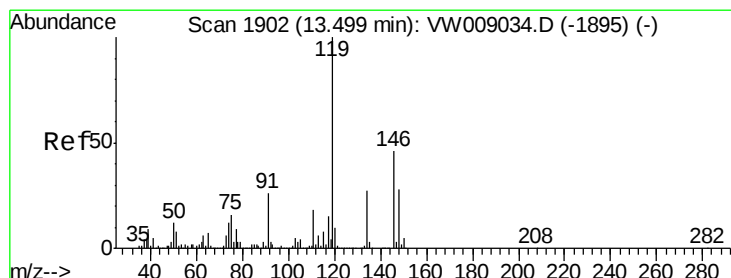
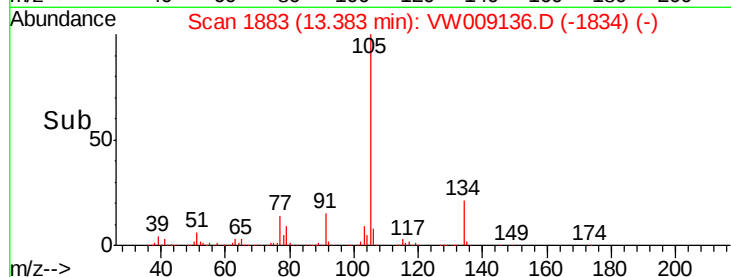
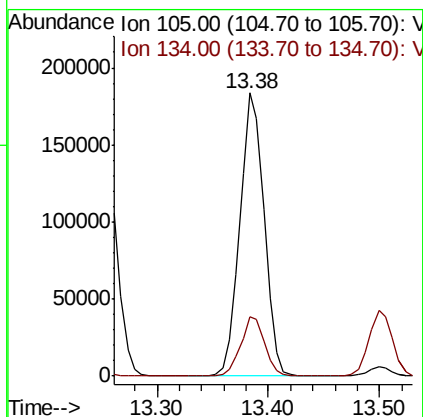
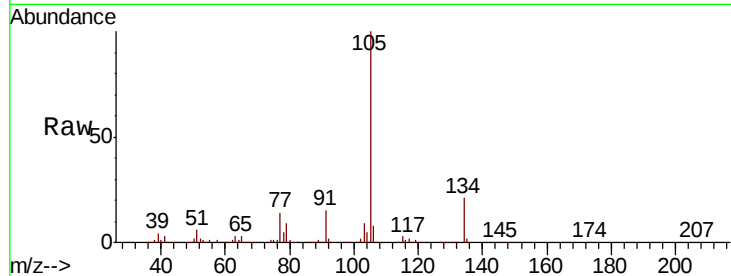




#85
 sec-Butylbenzene
 Concen: 19.763 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

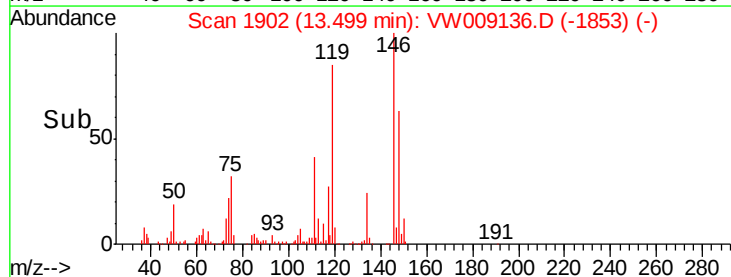
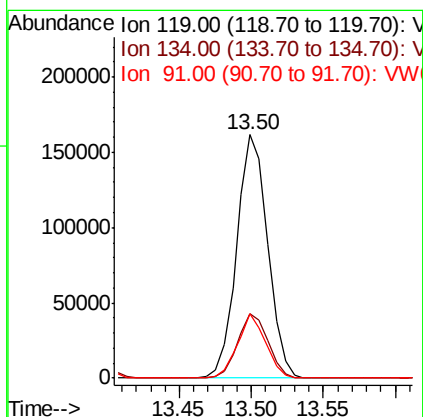
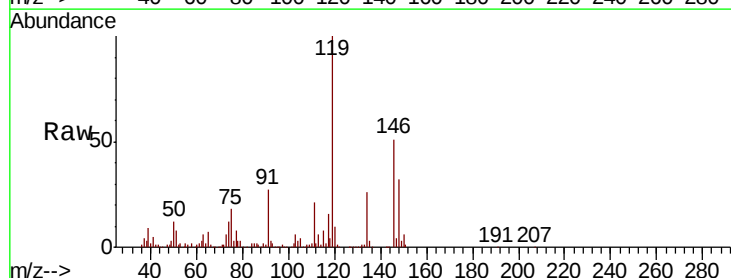
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

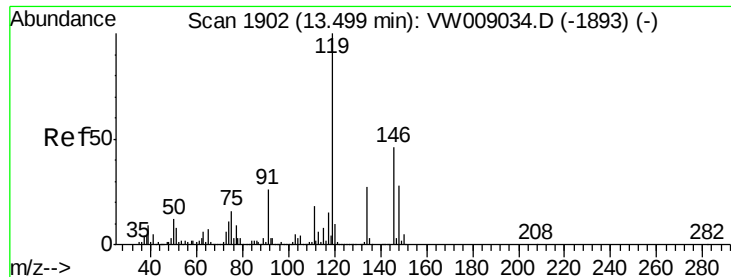
Tgt Ion:105 Resp: 277385
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.140 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion:119 Resp: 240318
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 24.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.933 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

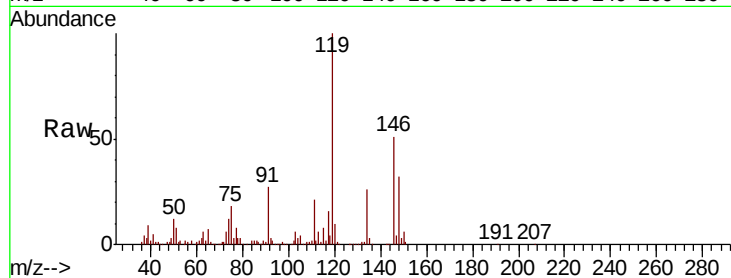
Tgt Ion:146 Resp: 130979

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.4

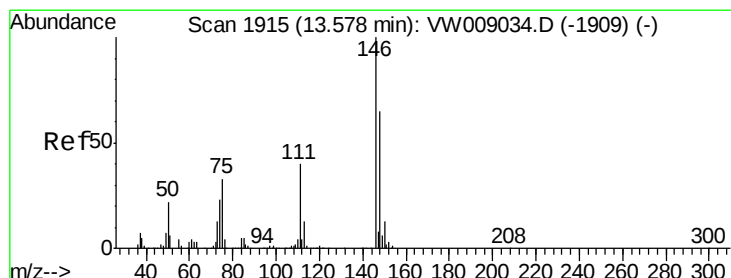
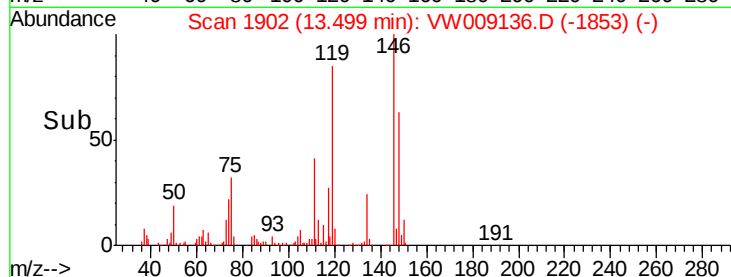
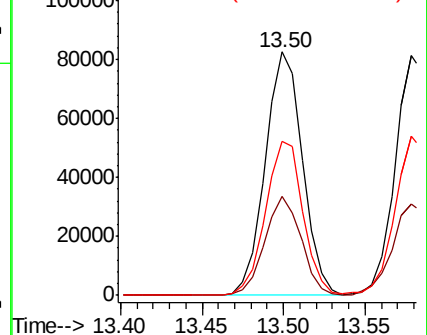
148 63.7 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.956 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

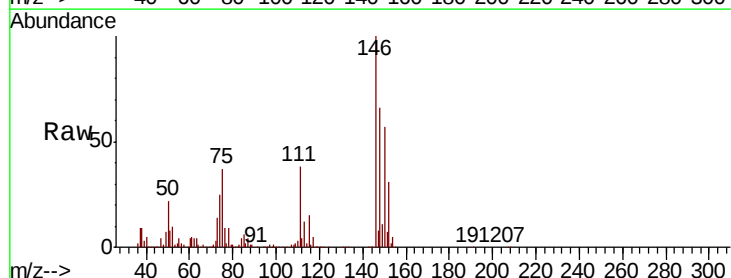
Tgt Ion:146 Resp: 129585

Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

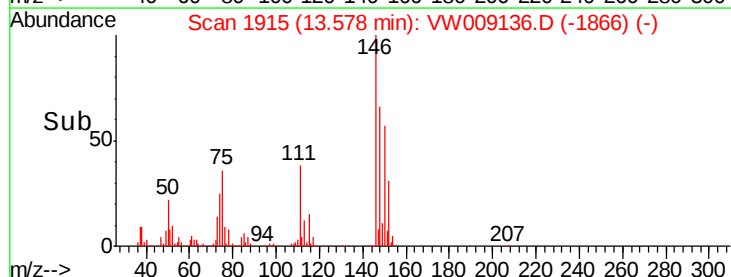
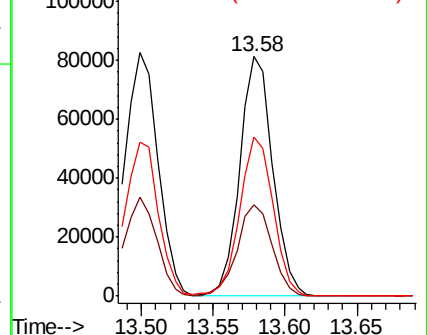
148 67.3 32.2 96.6

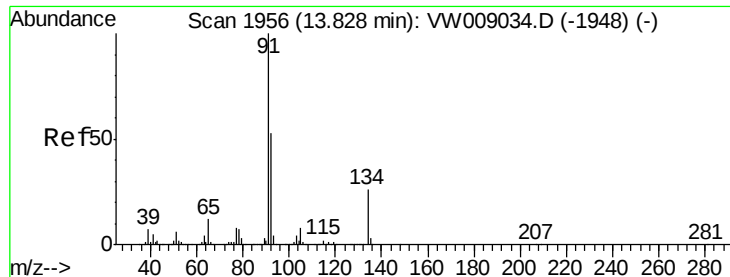


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.175 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

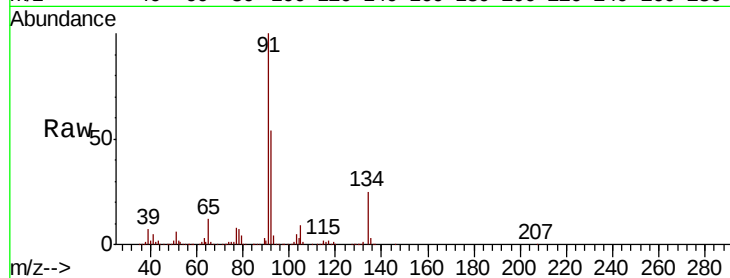
Tgt Ion: 91 Resp: 216939

Ion Ratio Lower Upper

91 100

92 52.8 26.8 80.3

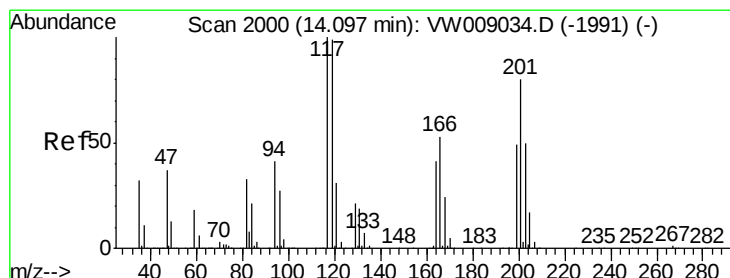
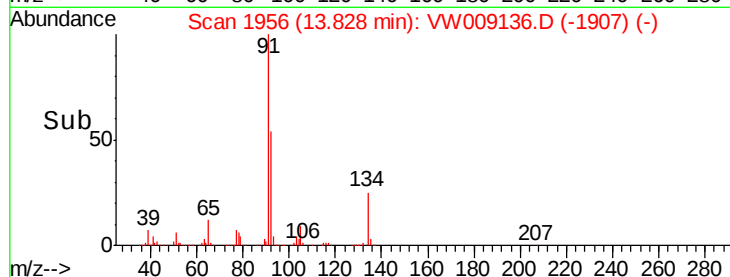
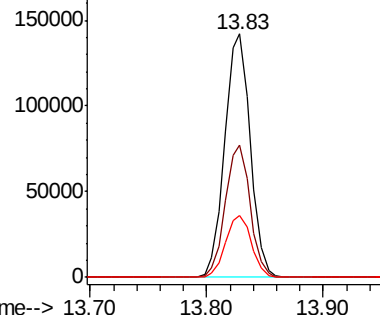
134 25.8 12.9 38.7



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: 21.868 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009136.D

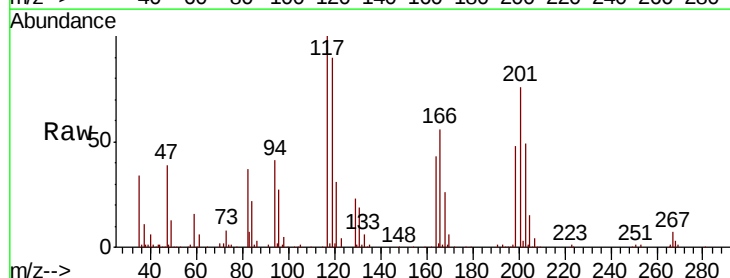
Acq: 13 Mar 2019 05:21

Tgt Ion: 117 Resp: 47354

Ion Ratio Lower Upper

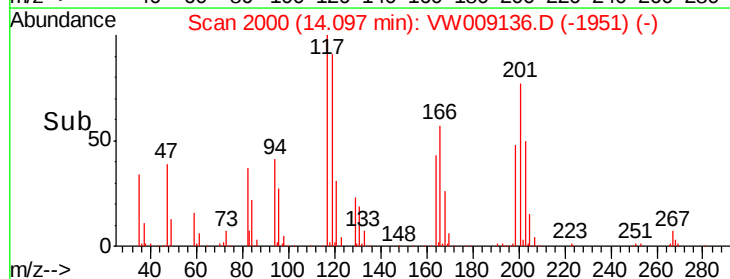
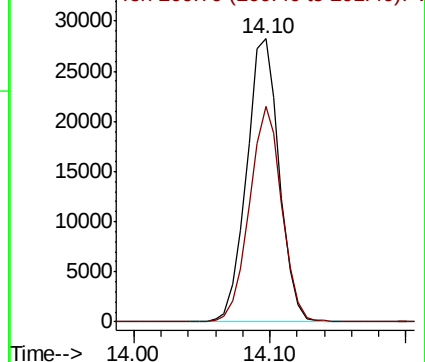
117 100

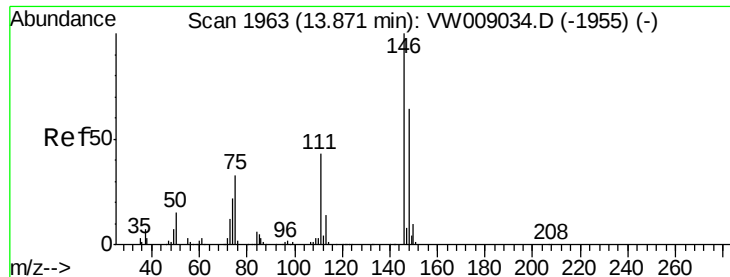
201 75.5 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

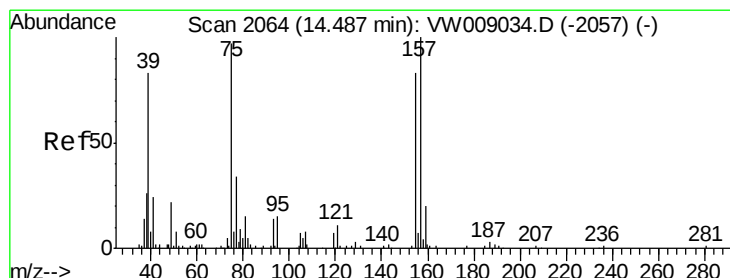
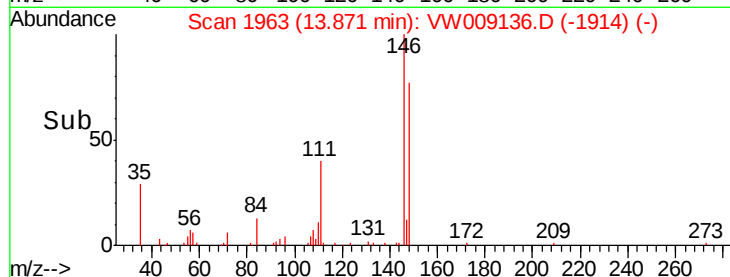
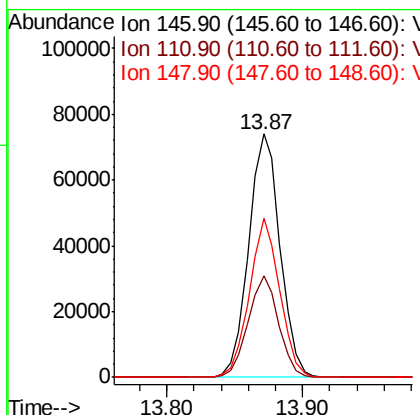
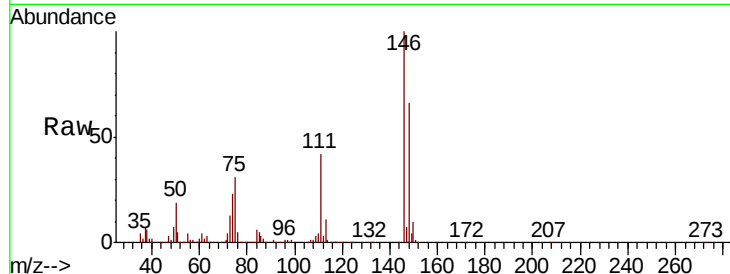




#91
 1,2-Dichlorobenzene
 Concen: 21.639 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

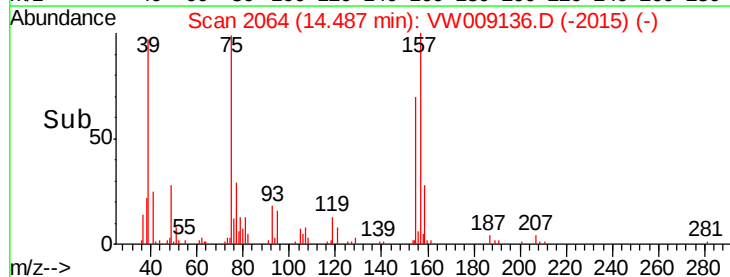
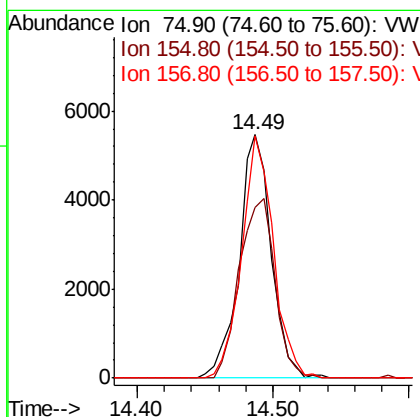
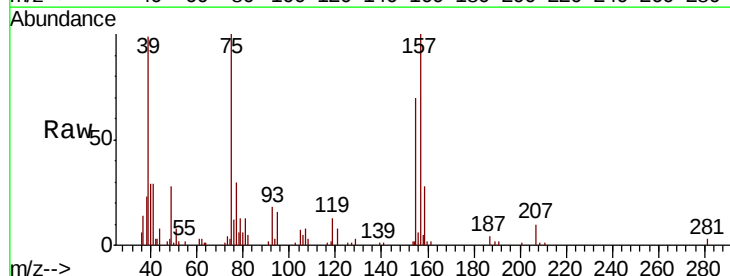
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

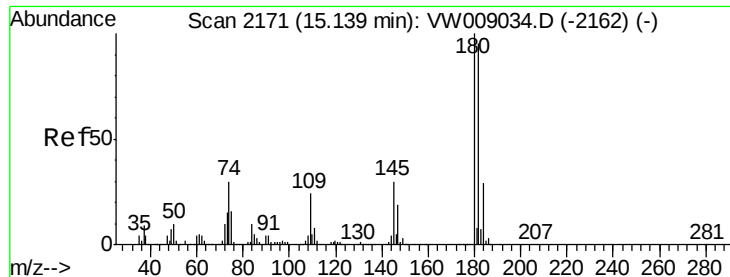
Tgt Ion:146 Resp: 119458
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.1
 148 63.2 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.439 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion: 75 Resp: 8947
 Ion Ratio Lower Upper
 75 100
 155 82.4 40.8 122.4
 157 99.1 52.4 157.3

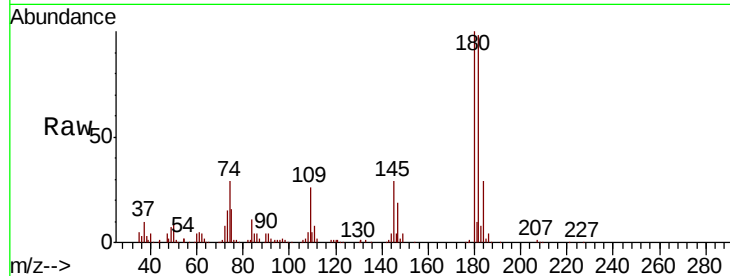




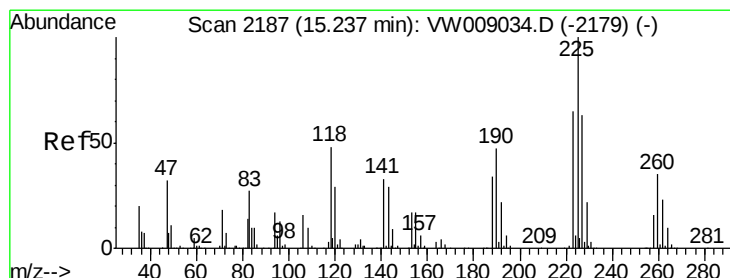
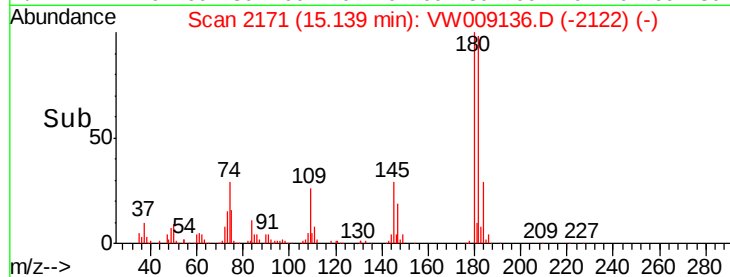
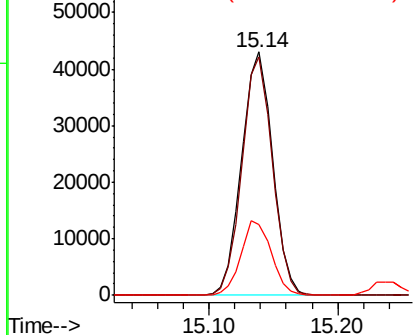
#93
 1,2,4-Trichlorobenzene
 Concen: 19.185 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tgt Ion:180 Resp: 71528
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.3
 145 30.0 15.4 46.1

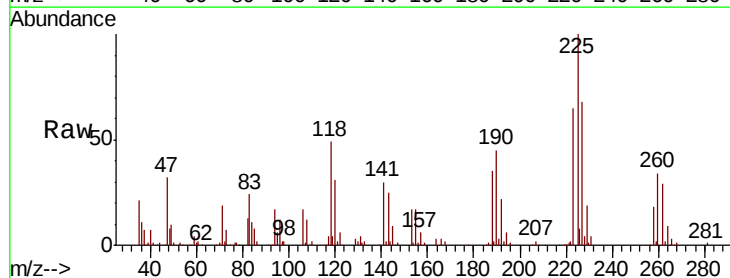


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

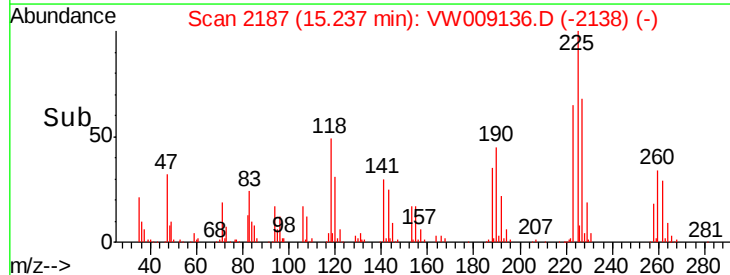
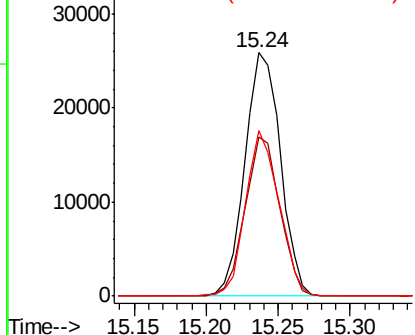


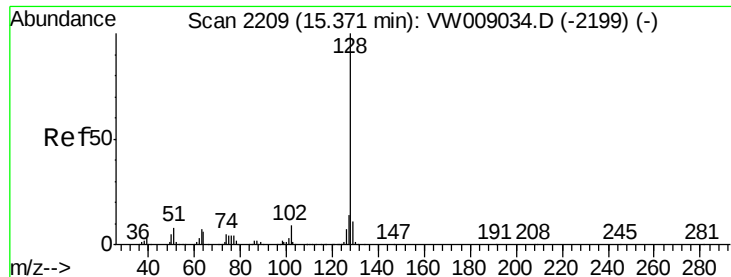
#94
 Hexachlorobutadiene
 Concen: 18.899 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion:225 Resp: 44134
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.6 94.8
 227 64.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

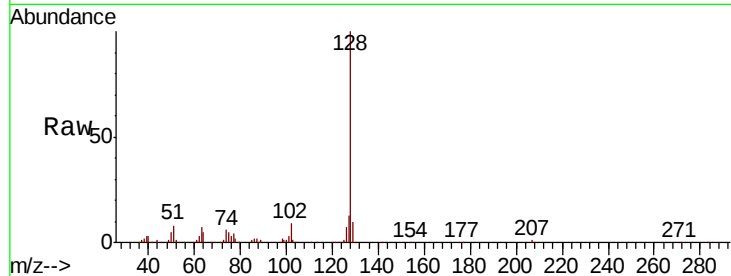




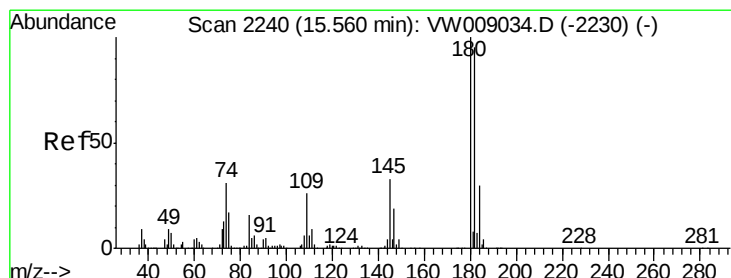
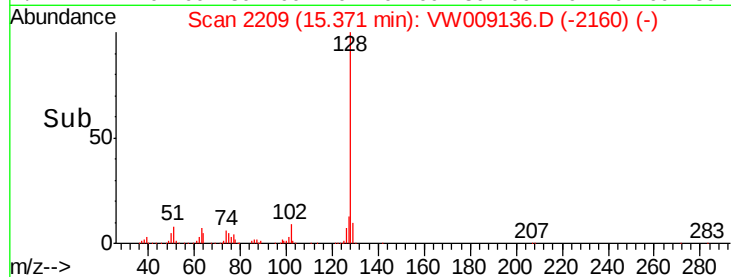
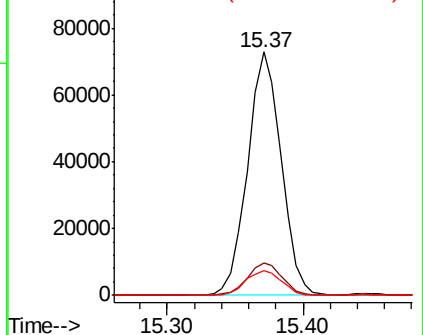
#95
Naphthalene
Concen: 20.750 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tgt Ion:128 Resp: 126639
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 10.8 8.8 13.2

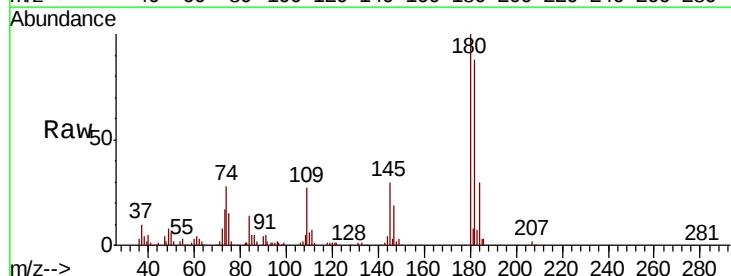


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.686 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:180 Resp: 67816
Ion Ratio Lower Upper
180 100
182 92.3 48.1 144.3
145 30.9 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

