

Data File : VW008939.D
Acq On : 02 Mar 2019 00:38
Operator : SY/VA
Sample : VW0301SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Quant Time: Mar 02 04:49:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143497	64.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.20%	
35) Dibromofluoromethane	7.88	113	126067	57.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.60%	
50) Toluene-d8	10.32	98	470322	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
62) 4-Bromofluorobenzene	12.62	95	180327	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	44937	18.797	ug/l	98
3) Chloromethane	2.20	50	58089	19.961	ug/l	95
4) Vinyl Chloride	2.35	62	58759	19.070	ug/l	95
5) Bromomethane	2.75	94	51407	22.462	ug/l	98
6) Chloroethane	2.90	64	43784	20.011	ug/l	96
7) Trichlorofluoromethane	3.25	101	82270	21.111	ug/l	87
8) Diethyl Ether	3.68	74	27874	22.593	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52227	22.070	ug/l	97
10) Methyl Iodide	4.27	142	46200	15.612	ug/l	97
11) Tert butyl alcohol	5.17	59	20861	104.667	ug/l	99
12) 1,1-Dichloroethene	4.03	96	44463	21.275	ug/l	99
13) Acrolein	3.89	56	14669	84.036	ug/l	99
14) Allyl chloride	4.66	41	77118	21.380	ug/l	98
15) Acrylonitrile	5.36	53	63522	119.971	ug/l	99
16) Acetone	4.12	43	55189	106.353	ug/l	94
17) Carbon Disulfide	4.37	76	131980	19.033	ug/l	99
18) Methyl Acetate	4.67	43	30253	24.579	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	137225	24.258	ug/l	95
20) Methylene Chloride	4.91	84	64357	22.351	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	55430	22.929	ug/l	99
22) Diisopropyl ether	6.31	45	175163	24.344	ug/l	98
23) Vinyl Acetate	6.26	43	532087	119.685	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99899	23.959	ug/l	98
25) 2-Butanone	7.17	43	83726	115.406	ug/l	93
26) 2,2-Dichloropropane	7.16	77	73827	19.503	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60653	23.454	ug/l	96
28) Bromochloromethane	7.51	49	42025	24.086	ug/l	99
29) Tetrahydrofuran	7.52	42	54979	118.917	ug/l	98
30) Chloroform	7.67	83	102437	23.948	ug/l	95
31) Cyclohexane	7.95	56	87942	20.836	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	89966	23.128	ug/l	98
36) 1,1-Dichloropropene	8.08	75	78132	22.096	ug/l	99
37) Ethyl Acetate	7.26	43	40283	24.499	ug/l	99
38) Carbon Tetrachloride	8.07	117	81343	21.814	ug/l	98

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Instrument :
MSVOA_W
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VW0302SBS01

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86809	19.682	ug/l	97
40) Benzene	8.32	78	220123	22.801	ug/l	96
41) Methacrylonitrile	7.48	41	22830	23.621	ug/l	93
42) 1,2-Dichloroethane	8.40	62	73622	24.073	ug/l	98
43) Isopropyl Acetate	8.42	43	72285	22.027	ug/l	98
44) Trichloroethene	9.09	130	60725	22.328	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57632	24.157	ug/l	96
46) Dibromomethane	9.46	93	32189	24.257	ug/l	97
47) Bromodichloromethane	9.64	83	78368	24.273	ug/l	95
48) Methyl methacrylate	9.44	41	33561	21.353	ug/l	97
49) 1,4-Dioxane	9.45	88	8628	406.004	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	188307	113.021	ug/l	100
52) Toluene	10.39	92	143292	21.870	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72614	22.065	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	83944	22.365	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	45053	25.034	ug/l	94
56) Ethyl methacrylate	10.65	69	49210	21.047	ug/l	96
57) 1,3-Dichloropropane	10.93	76	74981	23.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144371	122.770	ug/l	98
59) 2-Hexanone	10.97	43	122824	103.560	ug/l	100
60) Dibromochloromethane	11.13	129	52704	24.010	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41303	23.186	ug/l	98
64) Tetrachloroethene	10.86	164	59174	23.711	ug/l	98
65) Chlorobenzene	11.66	112	161349	22.009	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	56840	22.931	ug/l	98
67) Ethyl Benzene	11.73	91	274503	20.946	ug/l	100
68) m/p-Xylenes	11.84	106	222070	42.410	ug/l	98
69) o-Xylene	12.16	106	102481	20.852	ug/l	100
70) Styrene	12.18	104	168715	21.337	ug/l	99
71) Bromoform	12.35	173	30331	22.764	ug/l #	98
73) Isopropylbenzene	12.46	105	272520	21.309	ug/l	99
74) N-amyl acetate	12.27	43	66451	20.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50197	24.021	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	63918	41.498	ug/l #	100
77) Bromobenzene	12.75	156	69016	22.836	ug/l	99
78) n-propylbenzene	12.80	91	332999	21.286	ug/l	99
79) 2-Chlorotoluene	12.89	91	193831	21.823	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	232659	20.934	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12014	18.962	ug/l	98
82) 4-Chlorotoluene	12.99	91	202077	21.590	ug/l	100
83) tert-Butylbenzene	13.21	119	200688	20.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	237145	20.613	ug/l	100
85) sec-Butylbenzene	13.38	105	289020	20.916	ug/l	99
86) p-Isopropyltoluene	13.50	119	252839	19.960	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	136257	21.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	136356	22.064	ug/l	99
89) n-Butylbenzene	13.83	91	226279	19.067	ug/l	100
90) Hexachloroethane	14.10	117	45650	22.013	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122116	21.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8046	21.285	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :
VW0302SBS01

Quant Time: Mar 02 04:49:09 2019
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

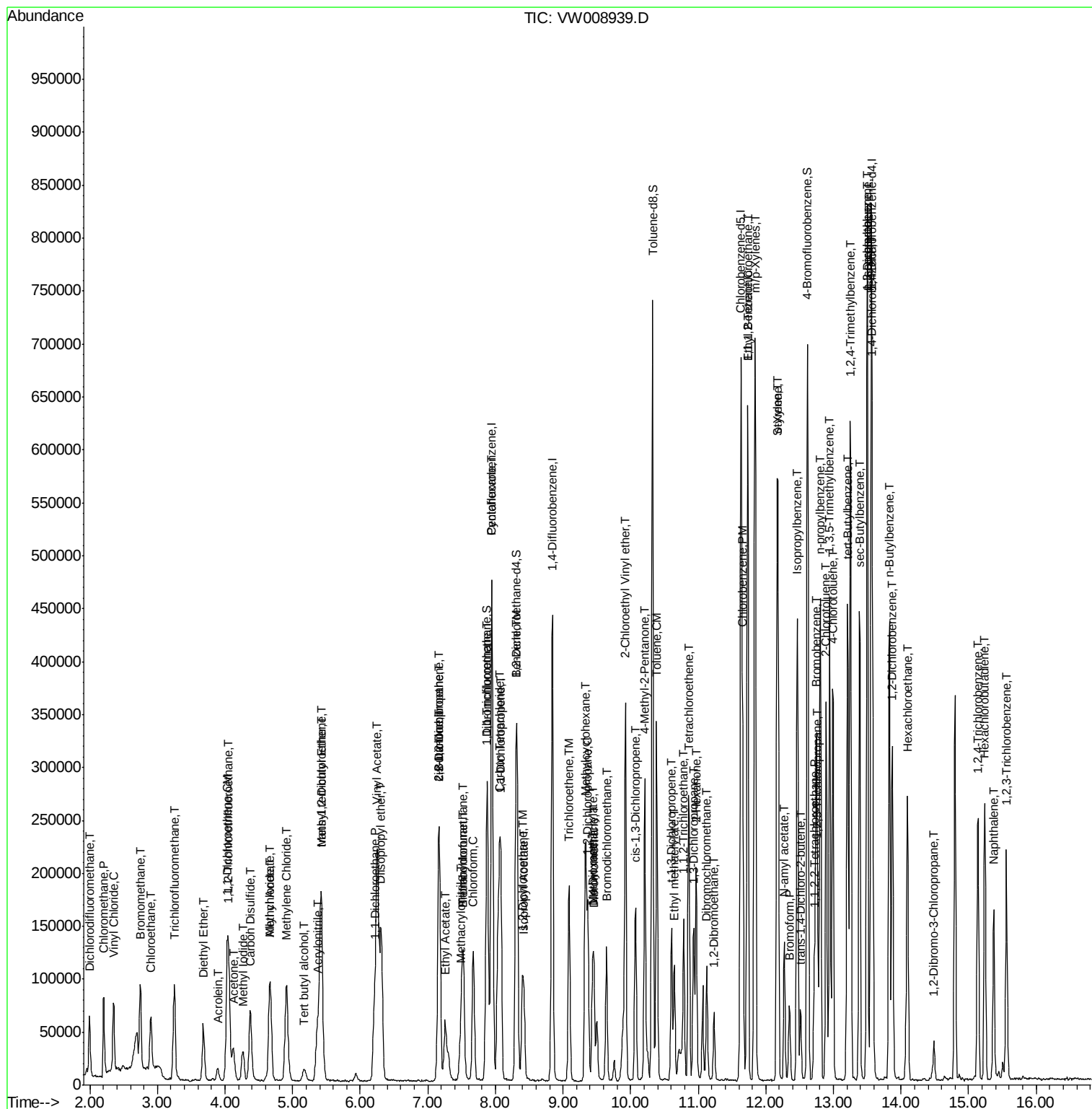
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	78417	19.480	ug/l	99
94) Hexachlorobutadiene	15.24	225	49817	21.009	ug/l	99
95) Naphthalene	15.37	128	134781	19.665	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	71881	20.652	ug/l	99

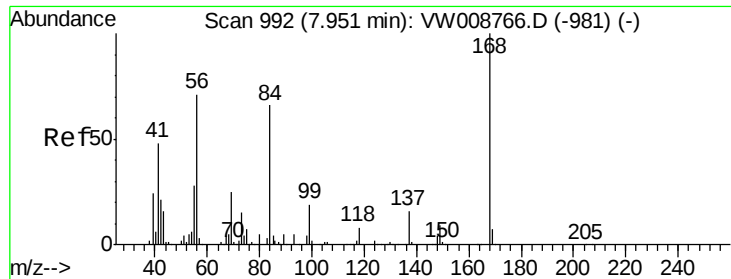
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Data File : VW008939.D
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Instrument :
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ClientSampleId :
VW0302SBS01

Quant Time: Mar 02 01:02:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

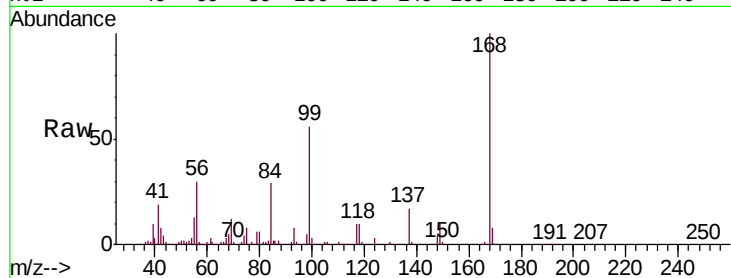
VW0302SBS01

Tgt Ion:168 Resp: 238695

Ion Ratio Lower Upper

168 100

99 55.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

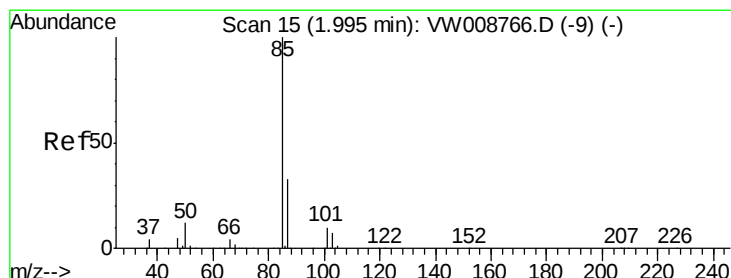
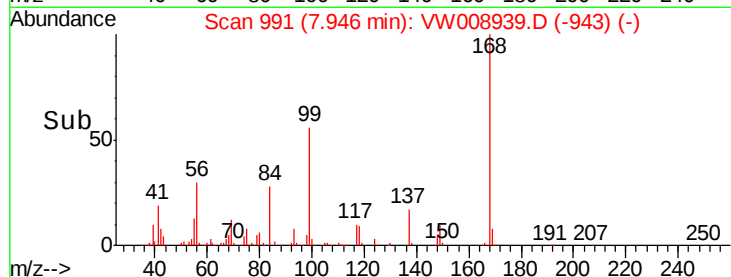
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.797 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008939.D

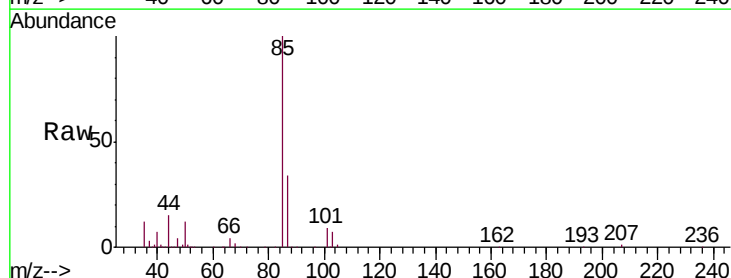
Acq: 02 Mar 2019 00:38

Tgt Ion: 85 Resp: 44937

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

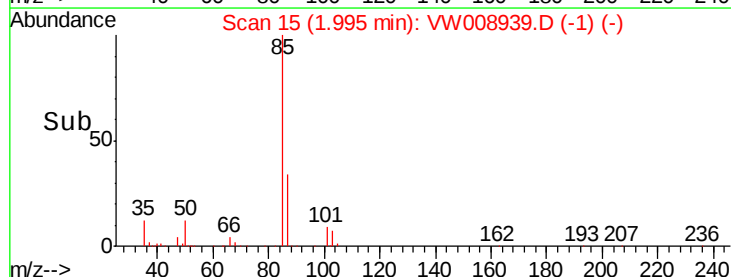
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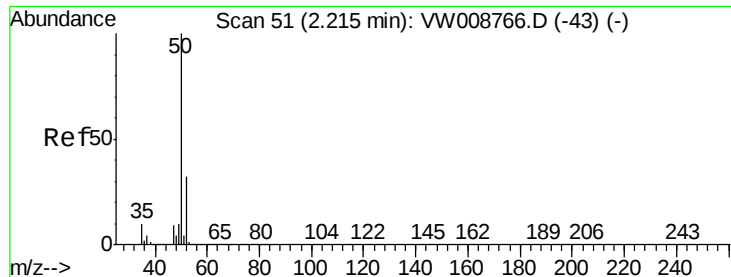
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.961 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

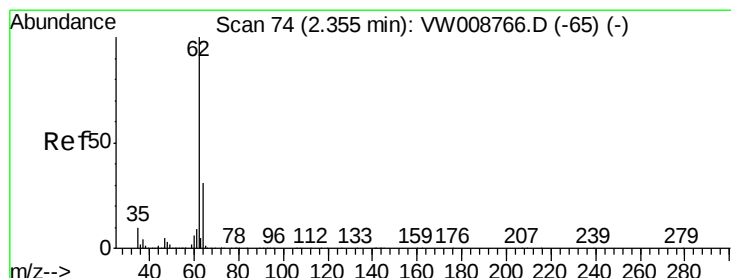
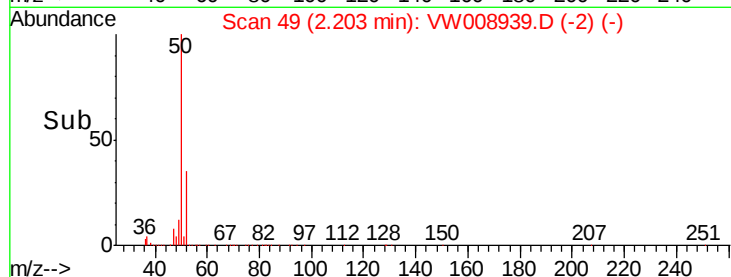
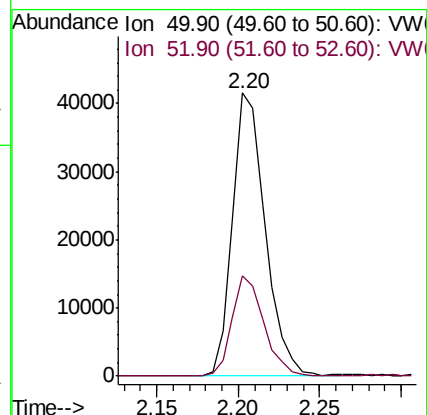
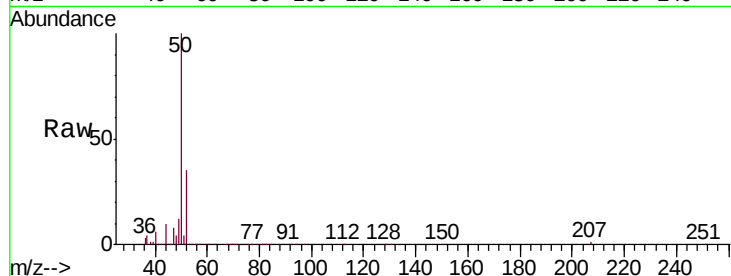
VW0302SBS01

Tgt Ion: 50 Resp: 58089

Ion Ratio Lower Upper

50 100

52 35.5 25.9 38.9



#4

Vinyl Chloride

Concen: 19.070 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW008939.D

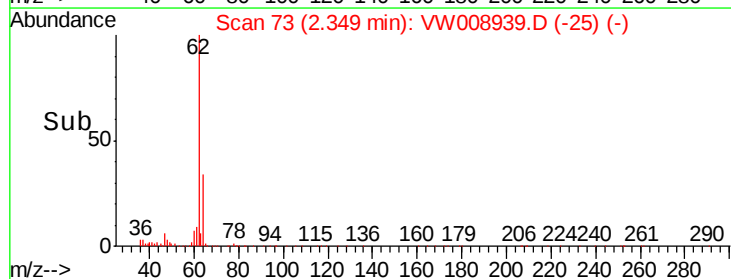
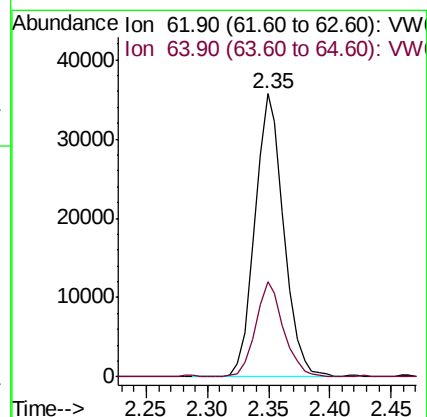
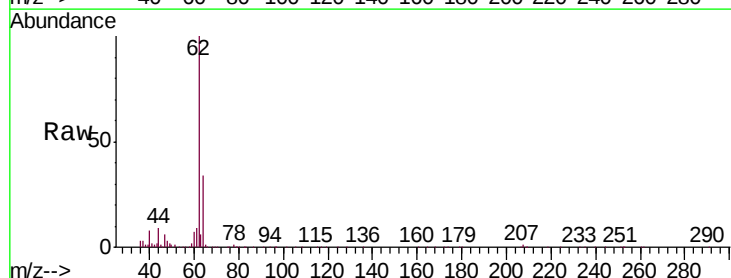
Acq: 02 Mar 2019 00:38

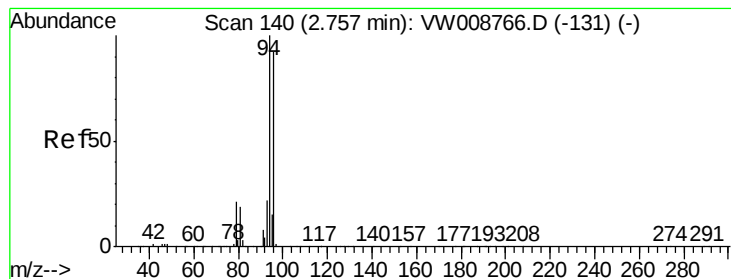
Tgt Ion: 62 Resp: 58759

Ion Ratio Lower Upper

62 100

64 33.8 24.9 37.3





#5

Bromomethane

Concen: 22.462 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

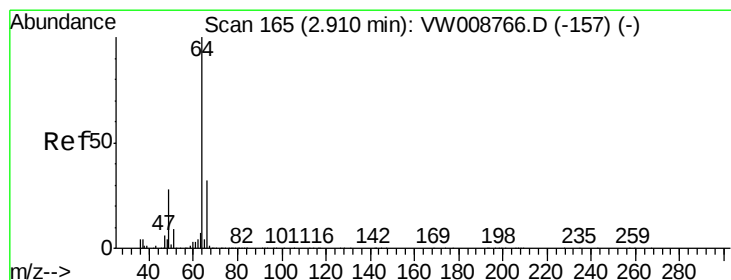
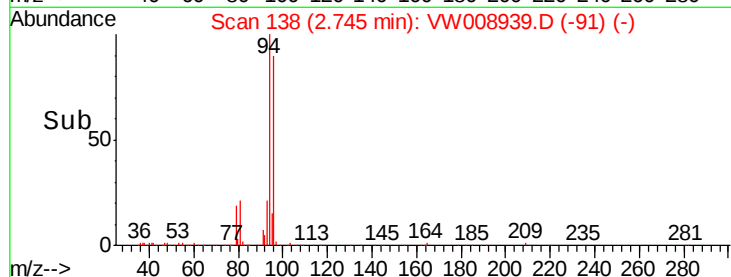
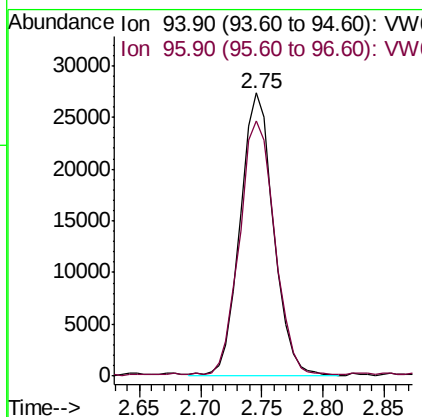
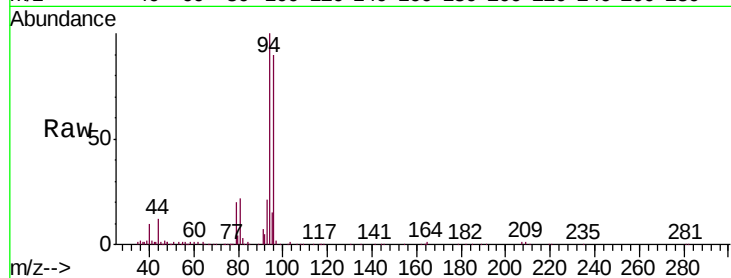
VW0302SBS01

Tgt Ion: 94 Resp: 51407

Ion Ratio Lower Upper

94 100

96 90.1 73.4 110.2



#6

Chloroethane

Concen: 20.011 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008939.D

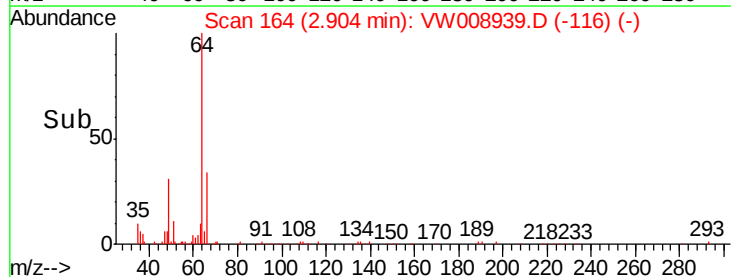
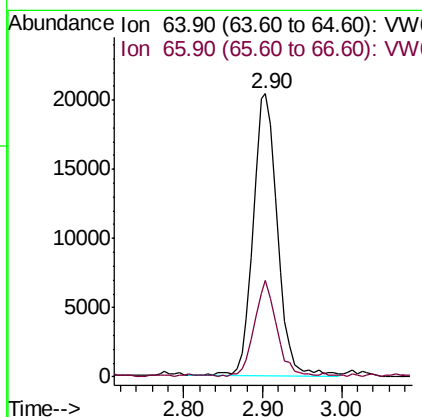
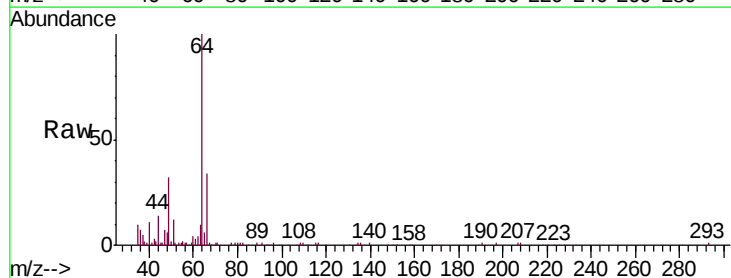
Acq: 02 Mar 2019 00:38

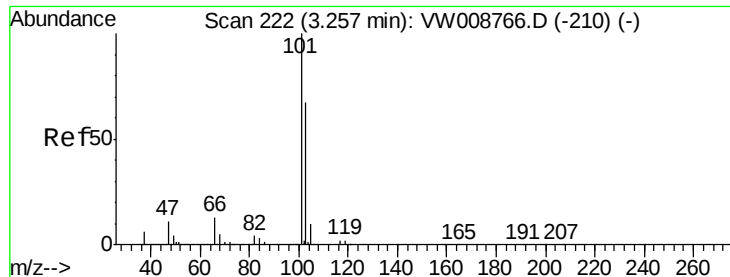
Tgt Ion: 64 Resp: 43784

Ion Ratio Lower Upper

64 100

66 33.9 25.5 38.3



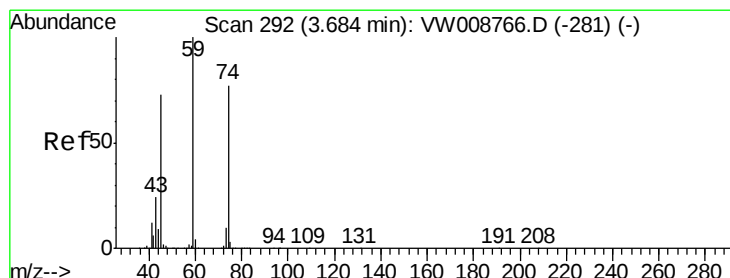
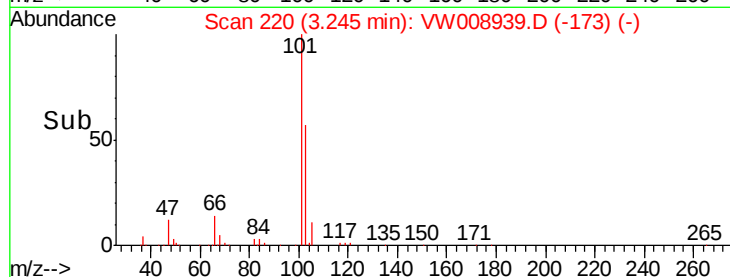
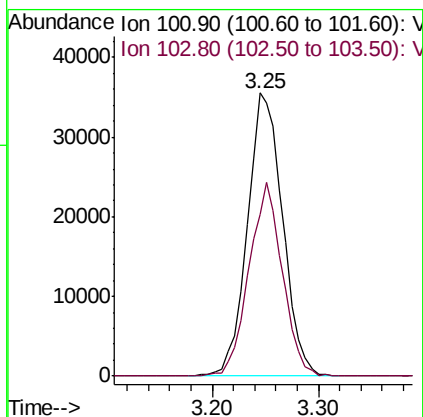
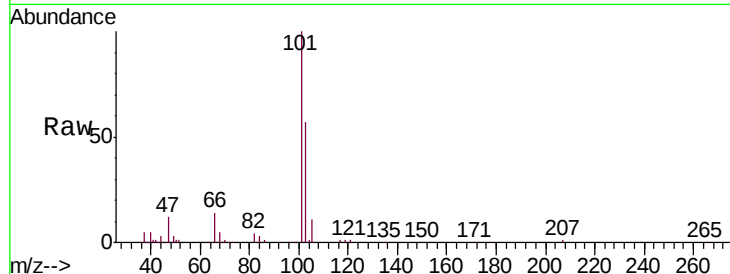


#7

Trichlorofluoromethane
 Concen: 21.111 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

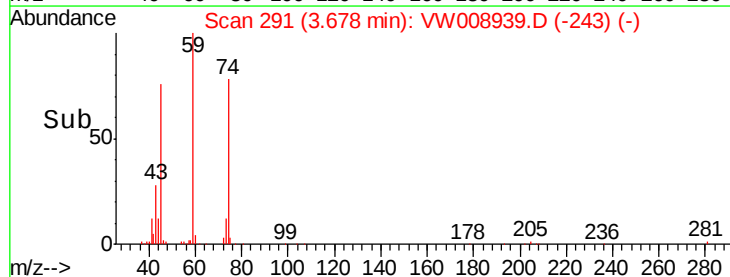
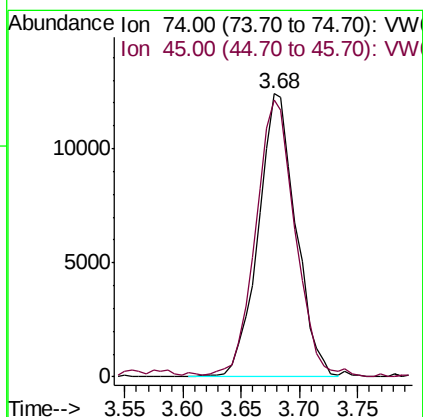
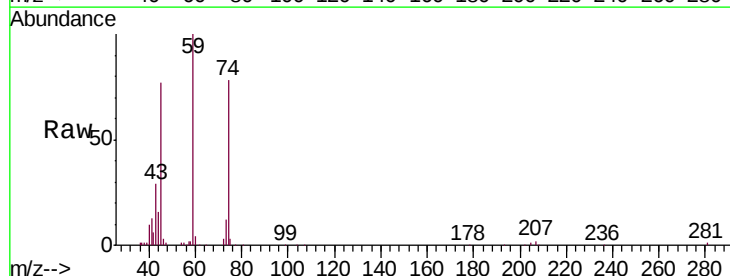
Tgt Ion:101 Resp: 82270
 Ion Ratio Lower Upper
 101 100
 103 57.2 53.9 80.9

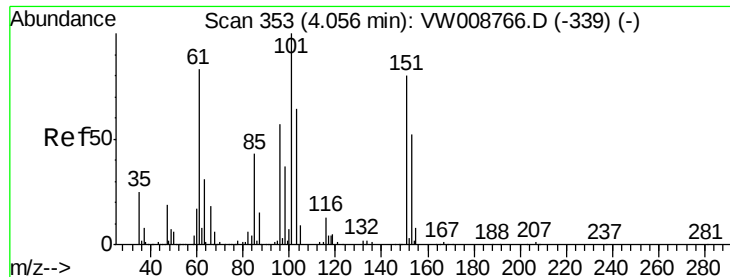


#8

Diethyl Ether
 Concen: 22.593 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion: 74 Resp: 27874
 Ion Ratio Lower Upper
 74 100
 45 103.2 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.070 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

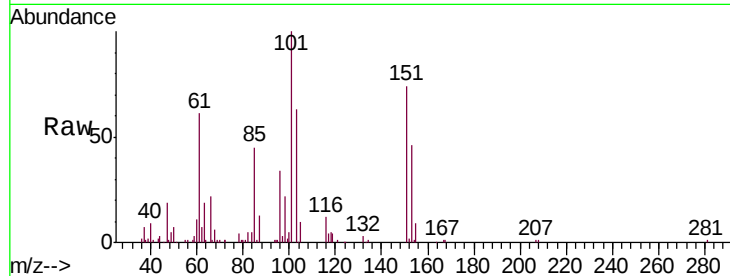
Tgt Ion:101 Resp: 52227

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

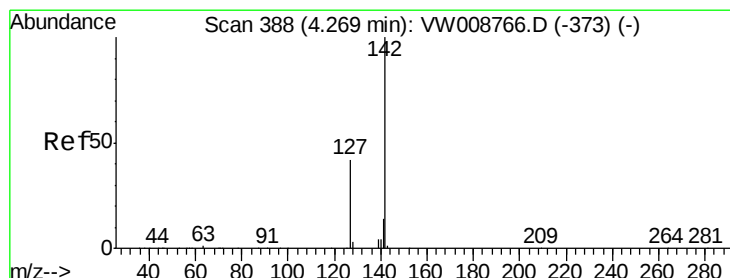
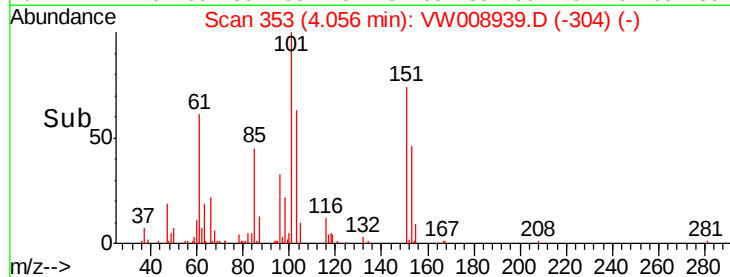
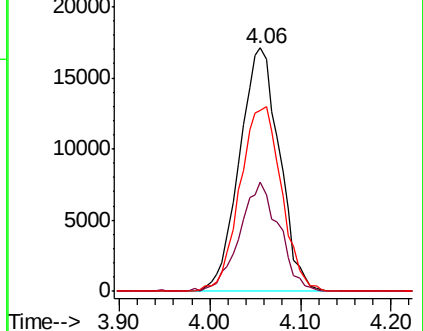
151 78.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.612 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

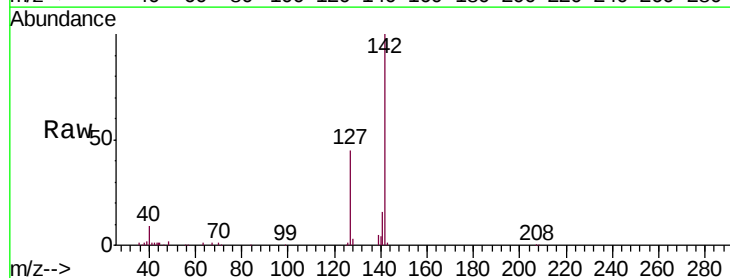
Tgt Ion:142 Resp: 46200

Ion Ratio Lower Upper

142 100

127 46.1 35.3 52.9

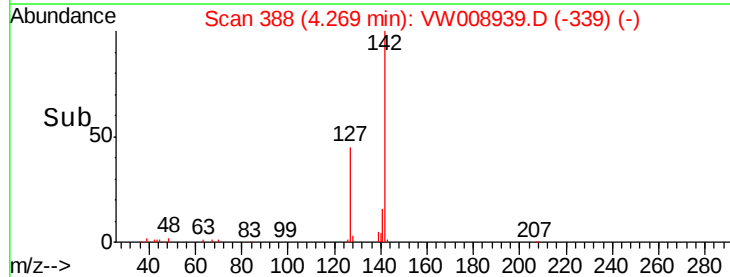
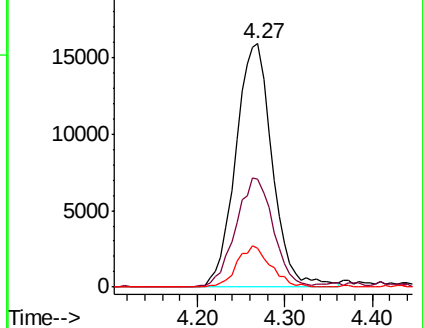
141 15.5 11.7 17.5

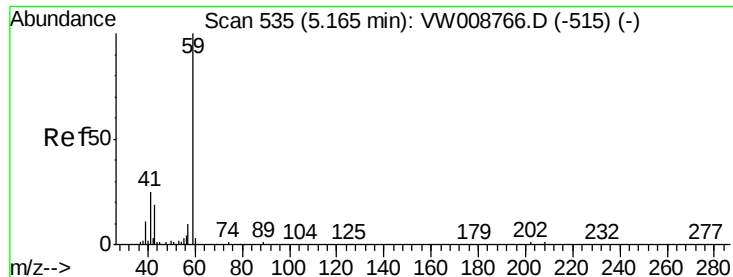


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



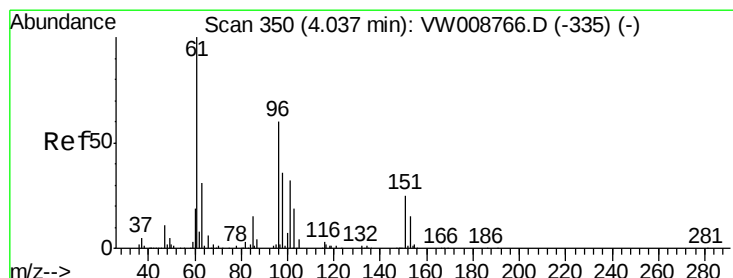
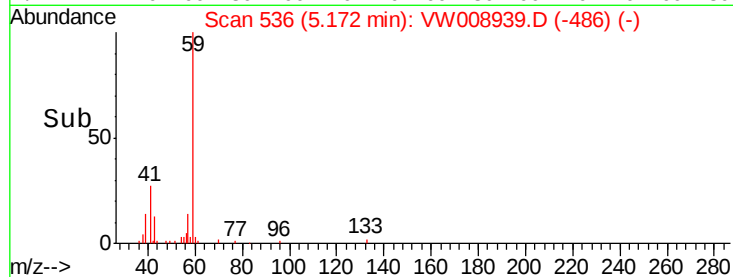
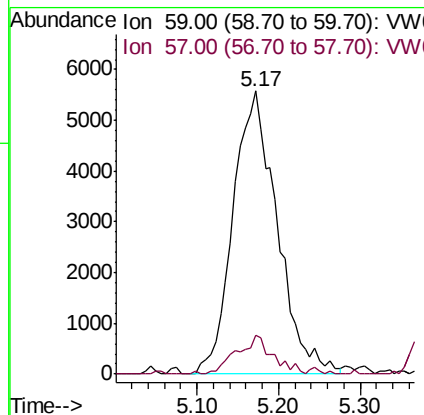
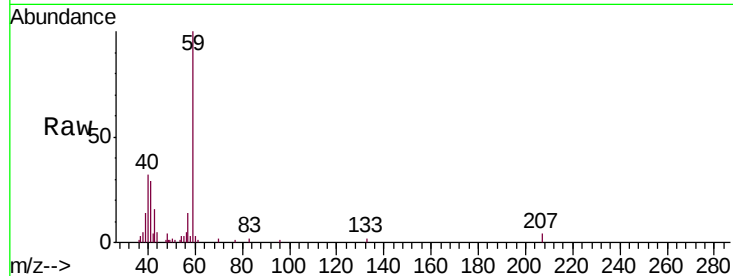


#11

Tert butyl alcohol
 Concen: 104.667 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

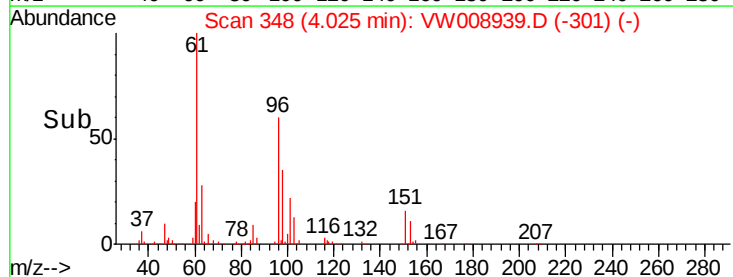
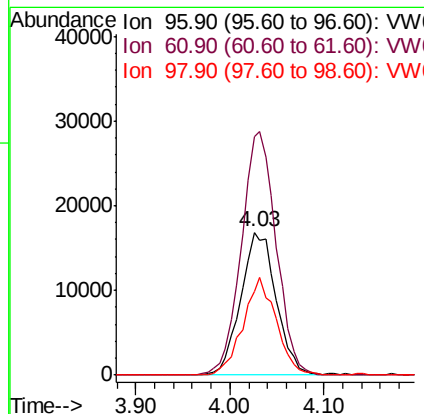
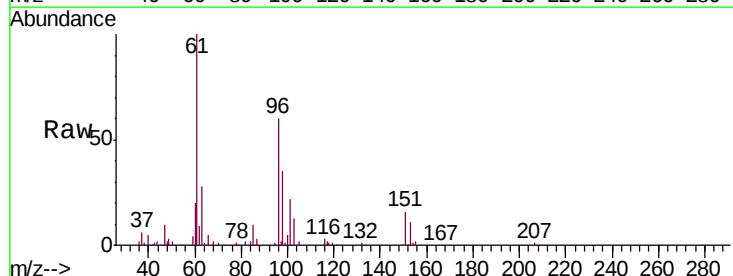
Tgt Ion: 59 Resp: 20861
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.3 13.9

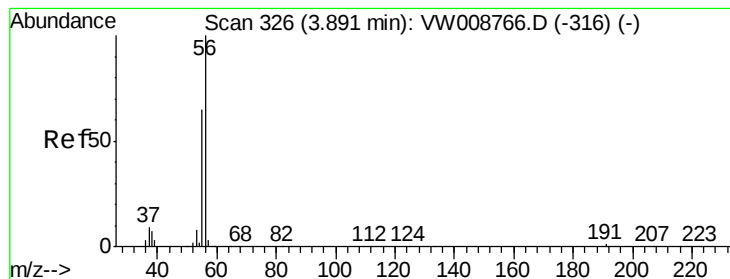


#12

1,1-Dichloroethene
 Concen: 21.275 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion: 96 Resp: 44463
 Ion Ratio Lower Upper
 96 100
 61 167.0 132.5 198.7
 98 58.2 48.2 72.4





#13

Acrolein

Concen: 84.036 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

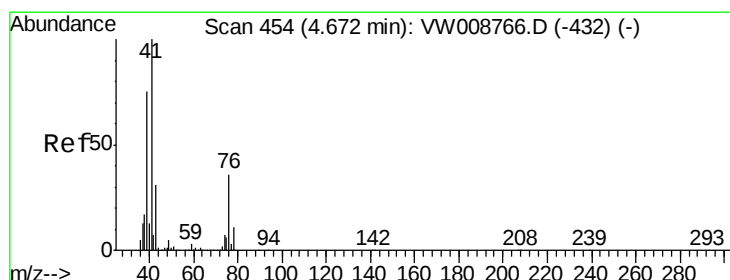
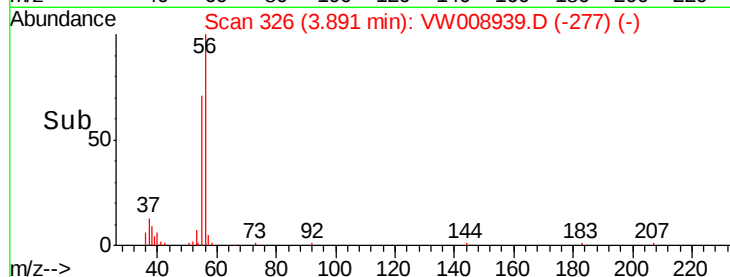
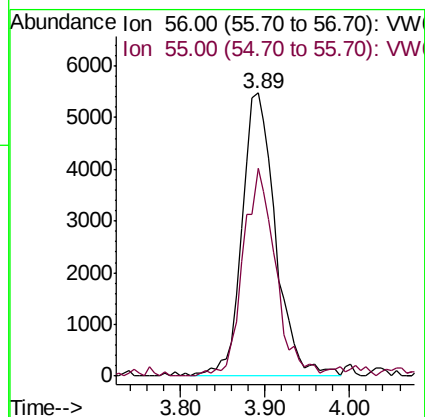
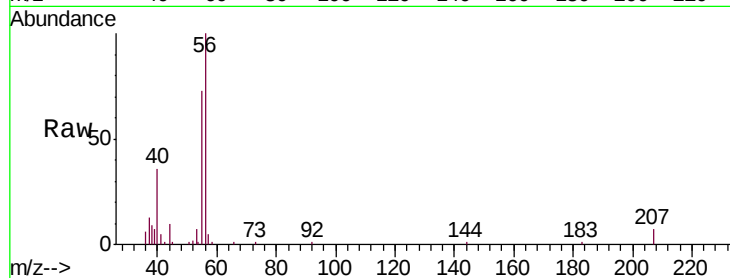
VW0302SBS01

Tgt Ion: 56 Resp: 14669

Ion Ratio Lower Upper

56 100

55 71.6 56.9 85.3



#14

Allyl chloride

Concen: 21.380 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

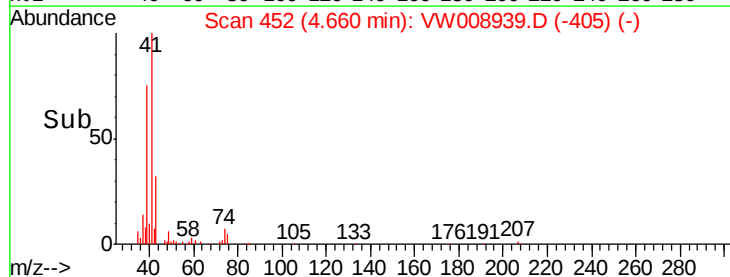
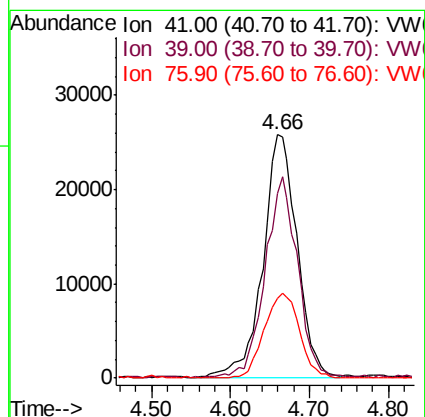
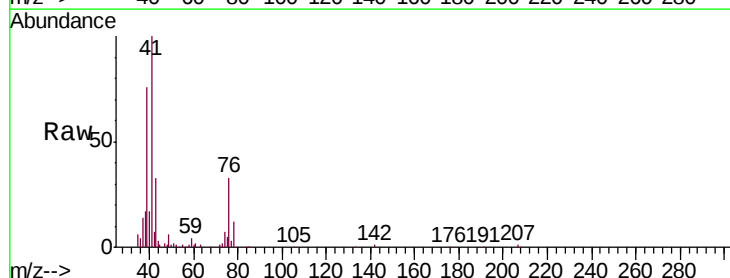
Tgt Ion: 41 Resp: 77118

Ion Ratio Lower Upper

41 100

39 78.6 60.6 91.0

76 36.1 28.6 42.8





#15

Acrylonitrile

Concen: 119.971 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

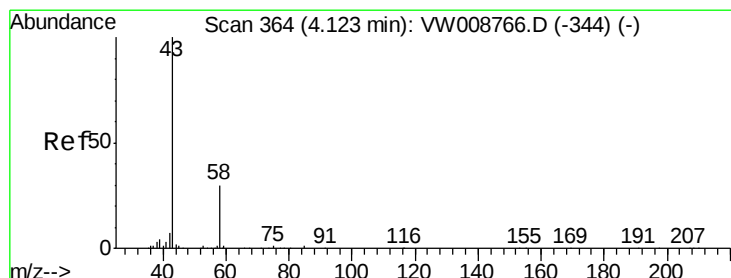
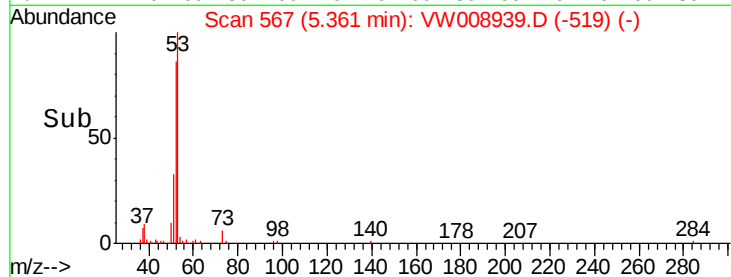
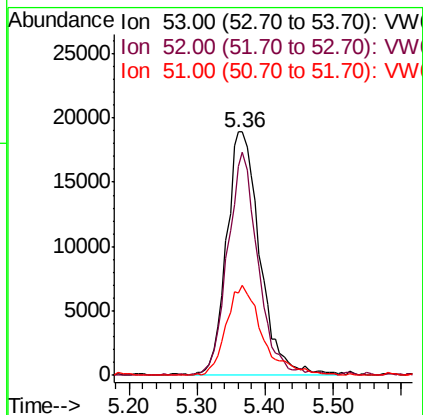
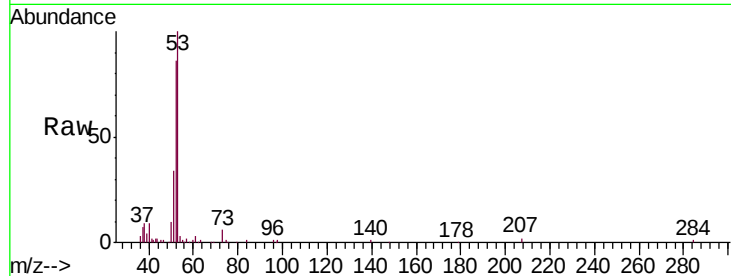
Tgt Ion: 53 Resp: 63522

Ion Ratio Lower Upper

53 100

52 84.8 67.2 100.8

51 40.4 31.1 46.7



#16

Acetone

Concen: 106.353 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008939.D

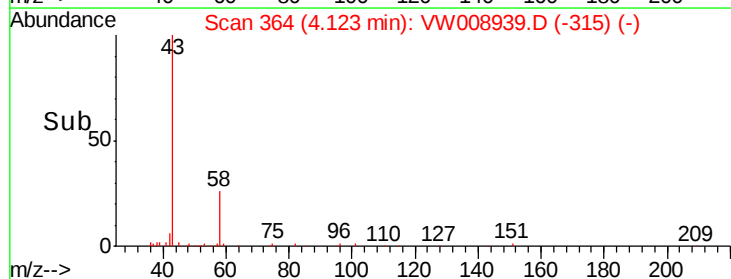
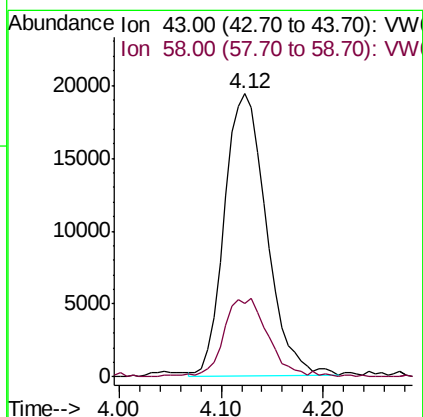
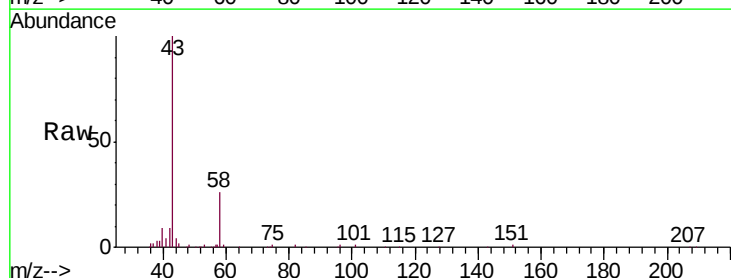
Acq: 02 Mar 2019 00:38

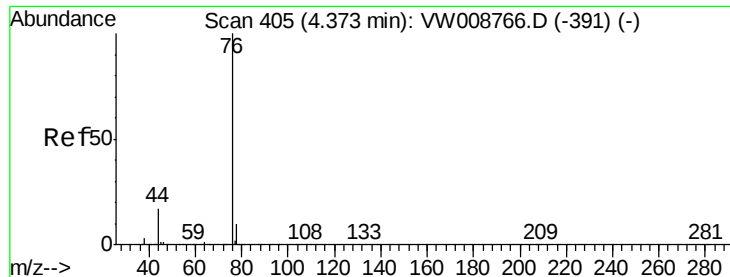
Tgt Ion: 43 Resp: 55189

Ion Ratio Lower Upper

43 100

58 26.3 23.8 35.6





#17

Carbon Disulfide

Concen: 19.033 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

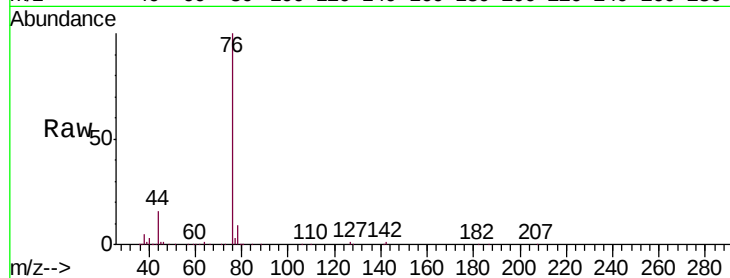
VW0302SBS01

Tgt Ion: 76 Resp: 131980

Ion Ratio Lower Upper

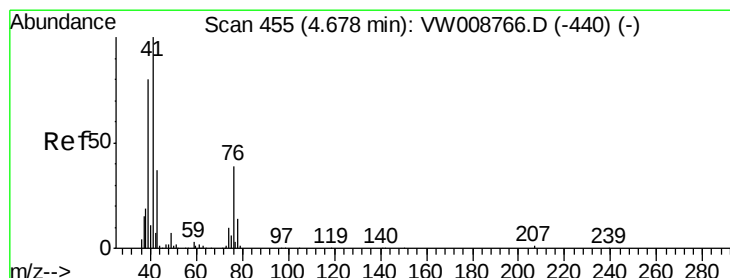
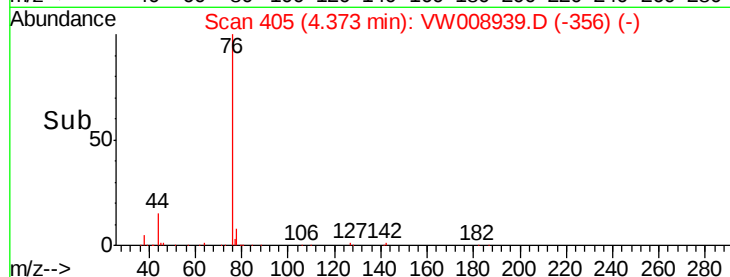
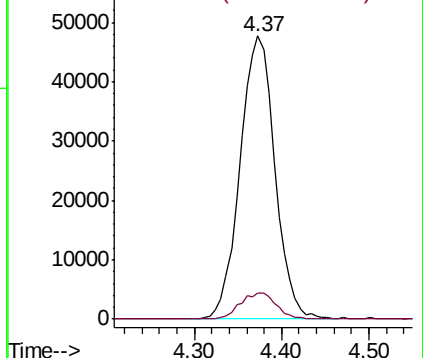
76 100

78 9.3 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 24.579 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008939.D

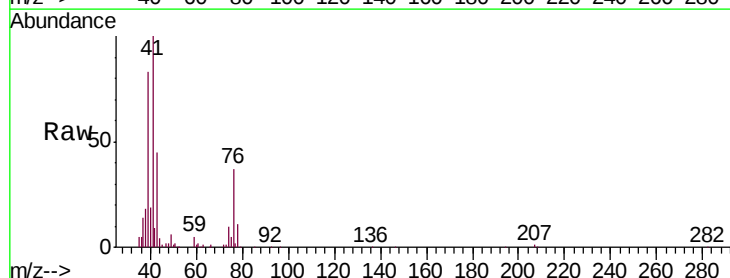
Acq: 02 Mar 2019 00:38

Tgt Ion: 43 Resp: 30253

Ion Ratio Lower Upper

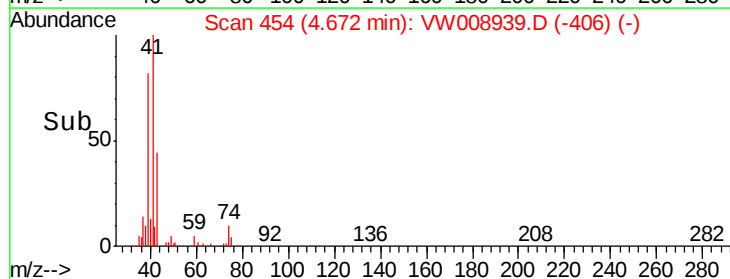
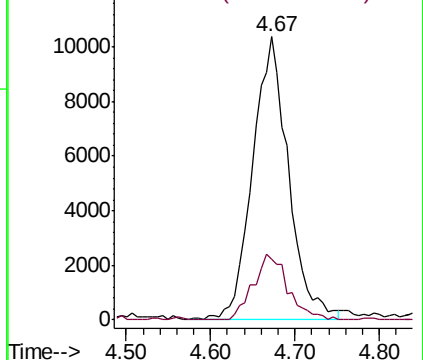
43 100

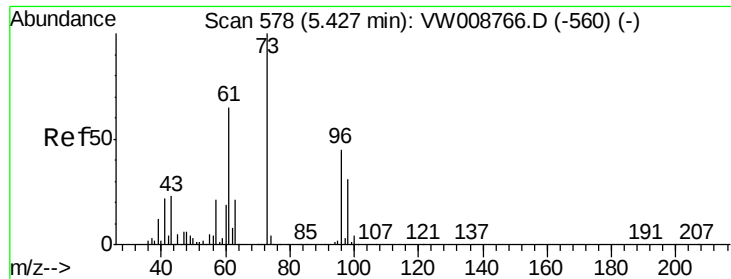
74 22.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

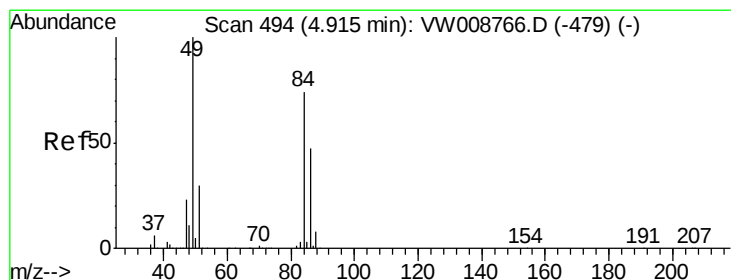
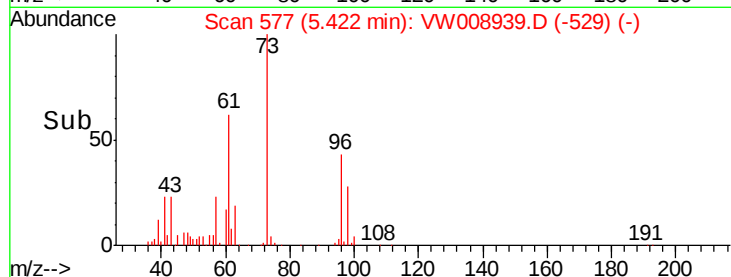
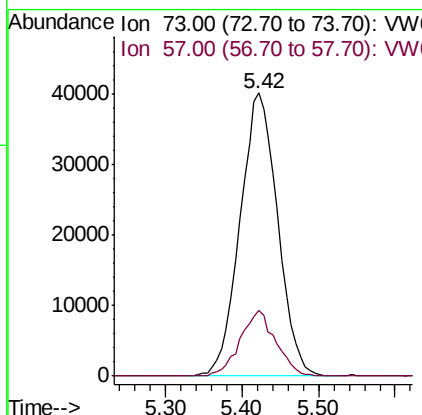
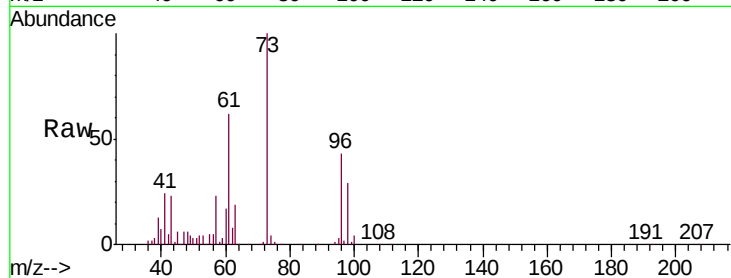




#19
Methyl tert-butyl Ether
Concen: 24.258 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

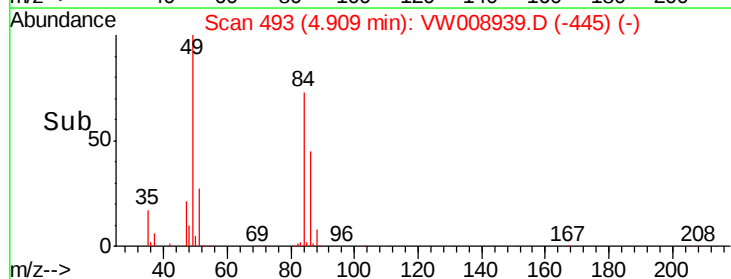
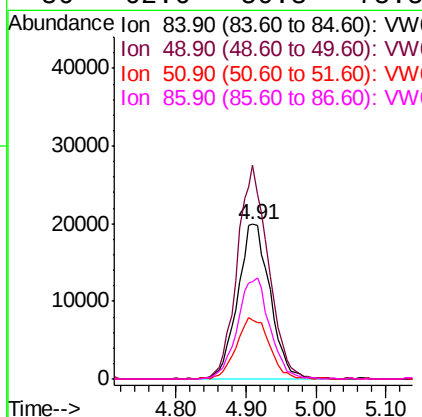
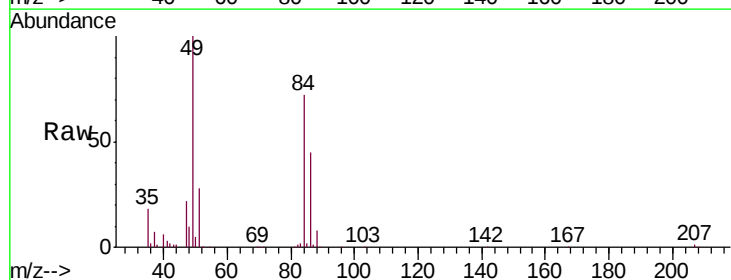
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

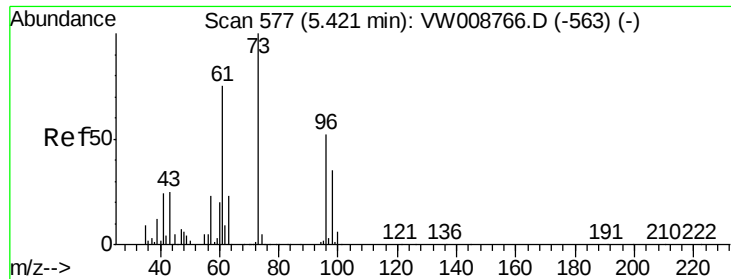
Tgt Ion: 73 Resp: 137225
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2



#20
Methylene Chloride
Concen: 22.351 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 84 Resp: 64357
Ion Ratio Lower Upper
84 100
49 138.3 108.2 162.2
51 38.3 32.7 49.1
86 62.6 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 22.929 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

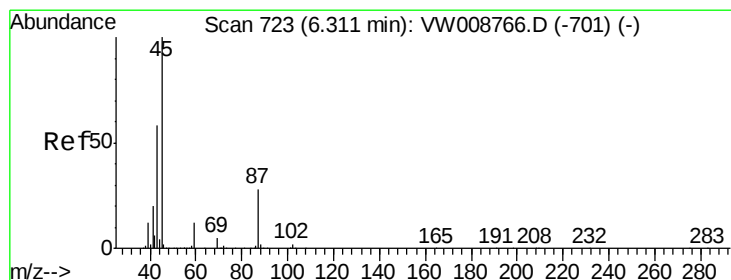
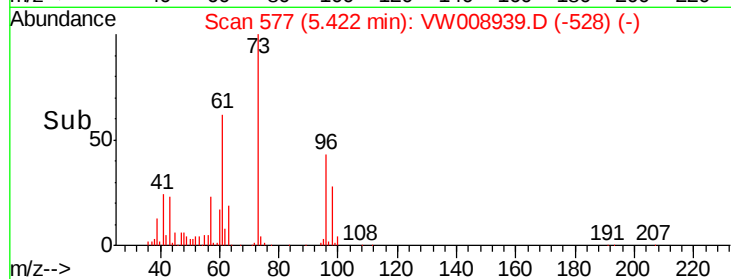
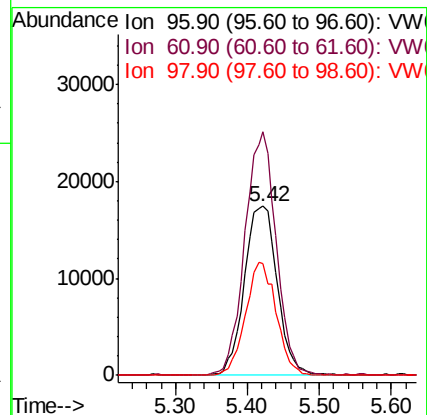
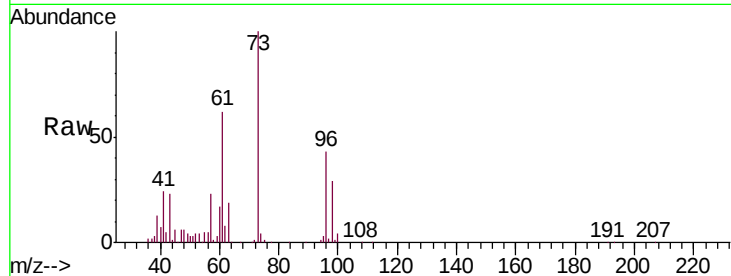
Tgt Ion: 96 Resp: 55430

Ion Ratio Lower Upper

96 100

61 144.0 114.6 171.8

98 65.9 54.0 81.0



#22

Diisopropyl ether

Concen: 24.344 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion: 45 Resp: 175163

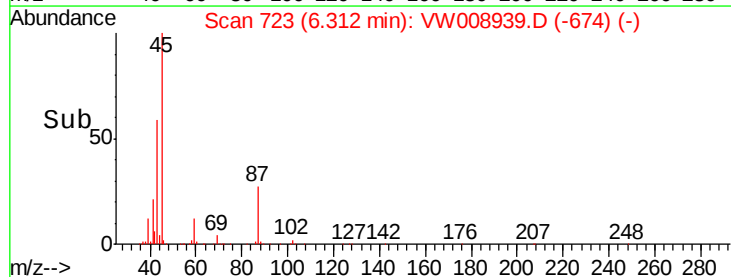
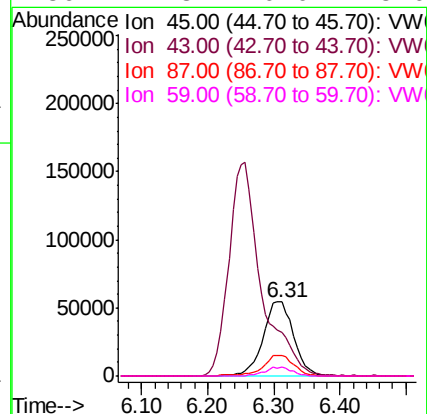
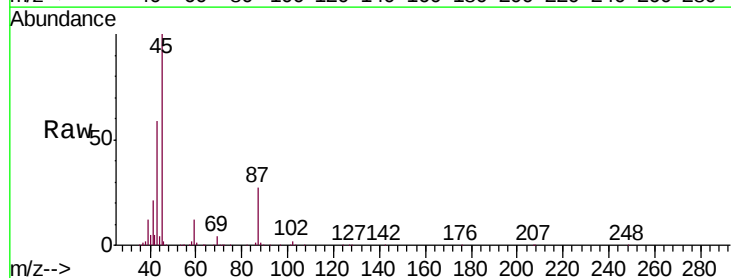
Ion Ratio Lower Upper

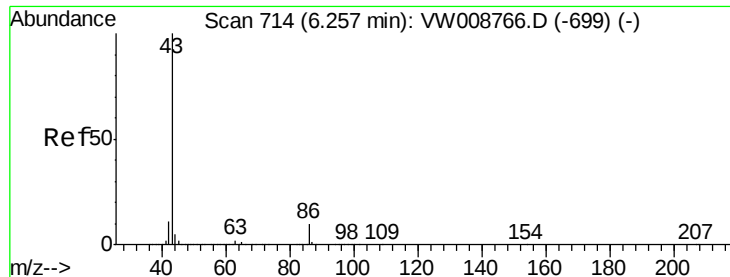
45 100

43 59.1 46.1 69.1

87 26.7 22.2 33.4

59 12.3 10.0 15.0





#23

Vinyl Acetate

Concen: 119.685 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

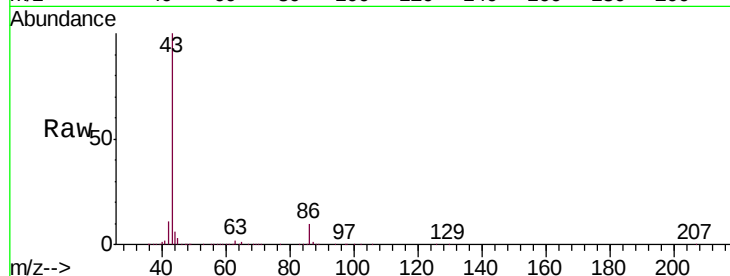
VW0302SBS01

Tgt Ion: 43 Resp: 532087

Ion Ratio Lower Upper

43 100

86 9.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

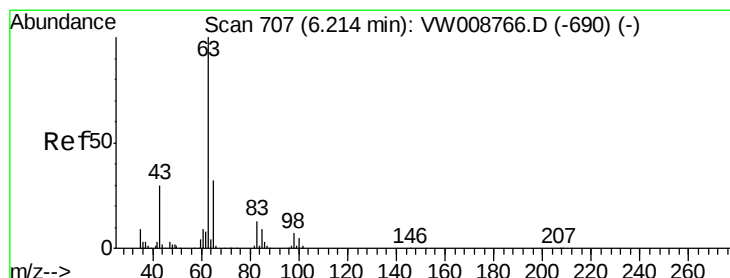
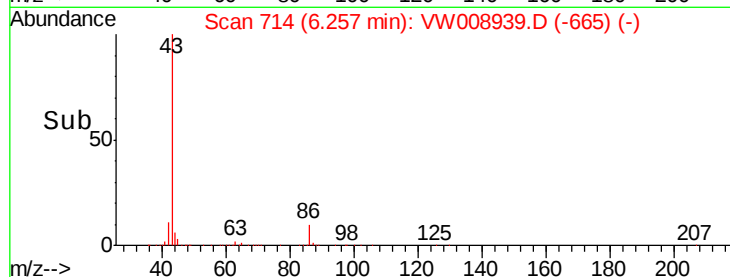
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.959 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

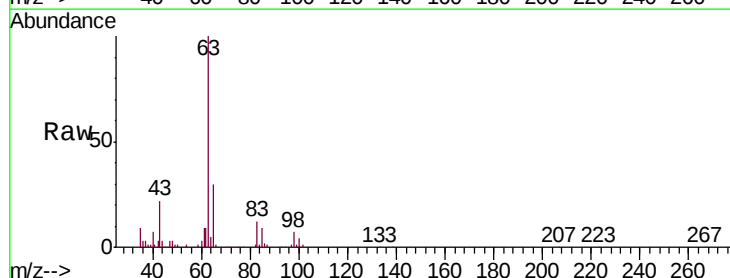
Tgt Ion: 63 Resp: 99899

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 3.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

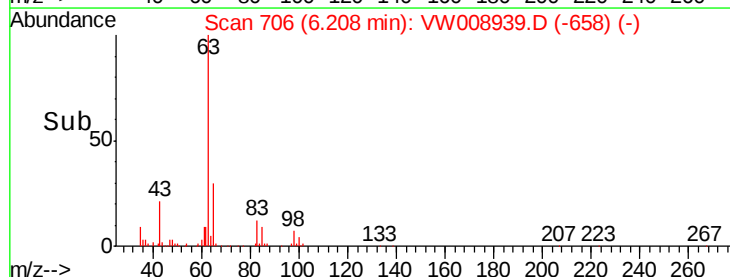
30000

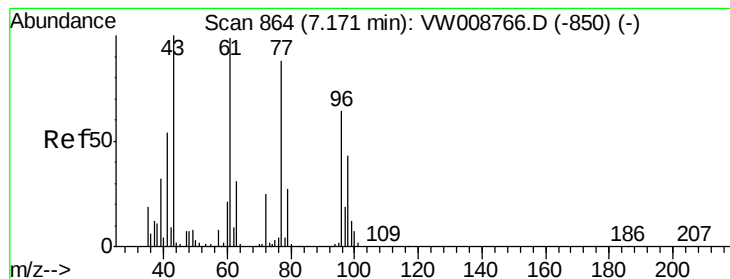
20000

10000

0

Time-->





#25

2-Butanone

Concen: 115.406 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

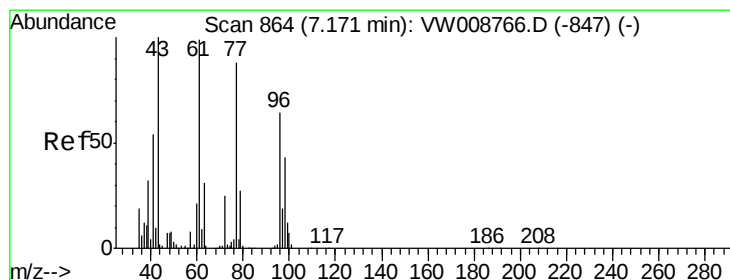
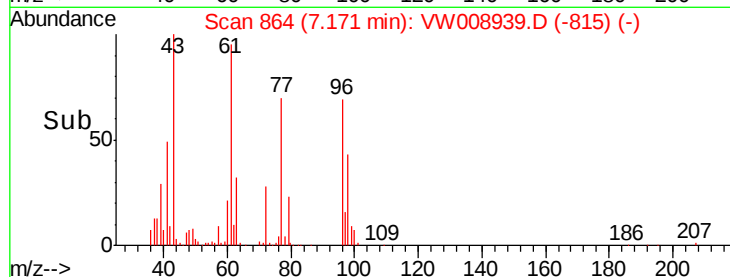
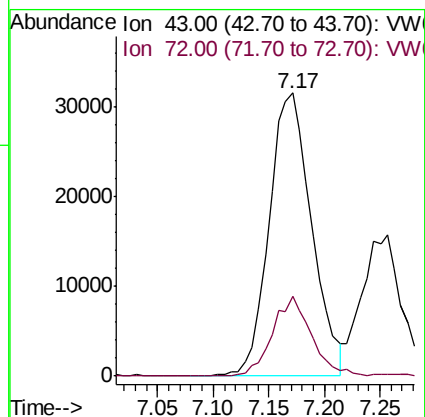
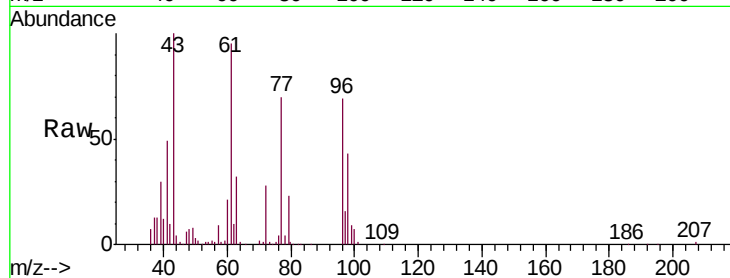
VW0302SBS01

Tgt Ion: 43 Resp: 83726

Ion Ratio Lower Upper

43 100

72 28.3 19.7 29.5



#26

2,2-Dichloropropane

Concen: 19.503 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008939.D

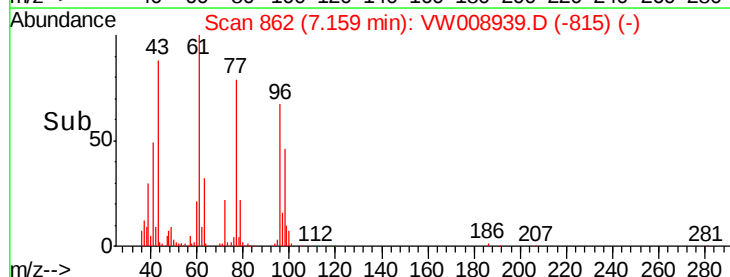
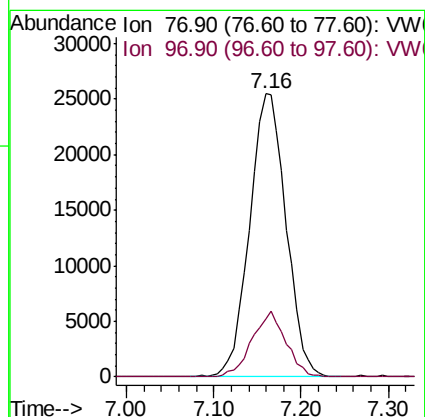
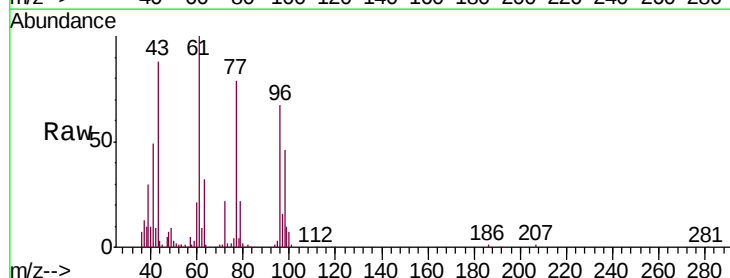
Acq: 02 Mar 2019 00:38

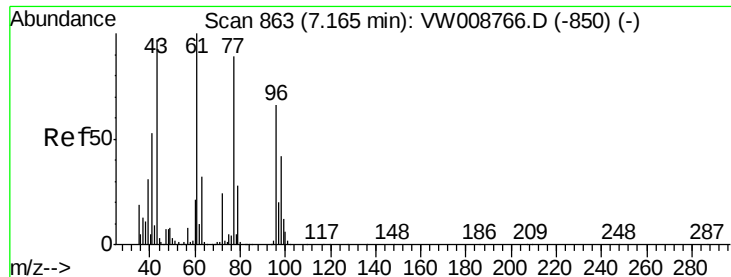
Tgt Ion: 77 Resp: 73827

Ion Ratio Lower Upper

77 100

97 21.6 11.0 33.0



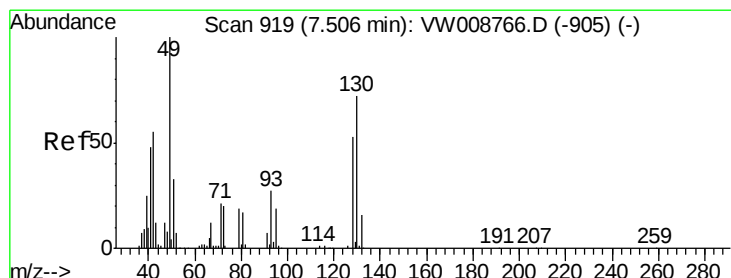
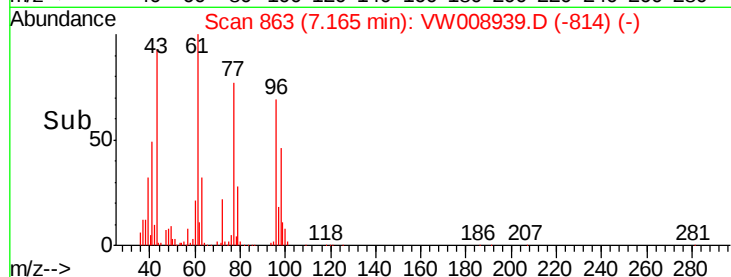
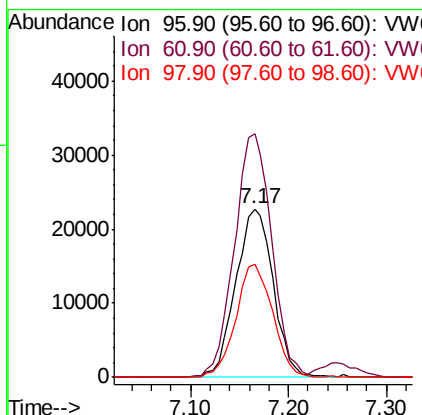
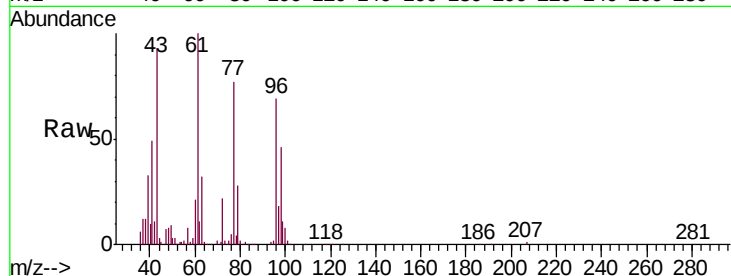


#27

cis-1,2-Dichloroethene
 Concen: 23.454 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

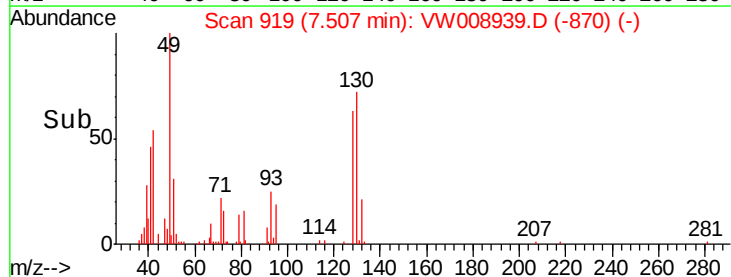
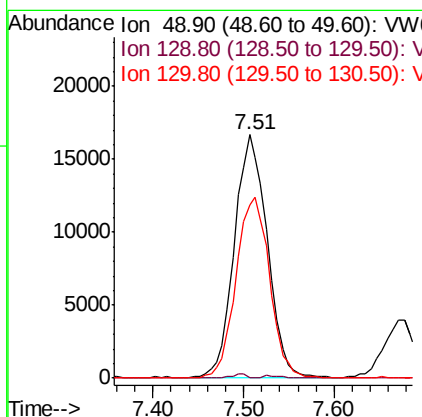
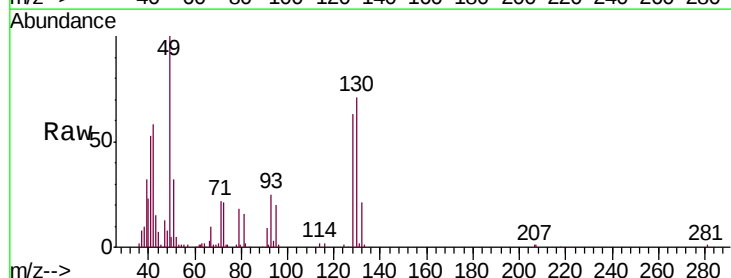
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	302.6
98	65.6	0.0	130.0

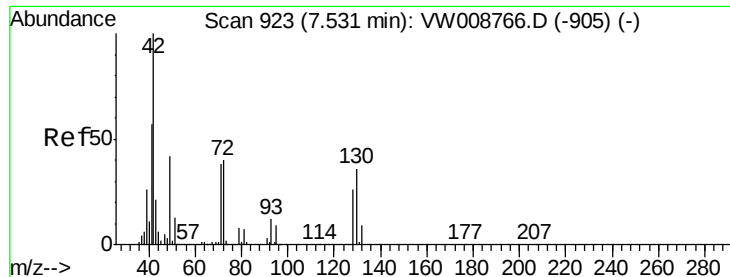


#28

Bromochloromethane
 Concen: 24.086 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.6
130	75.7	61.3	91.9

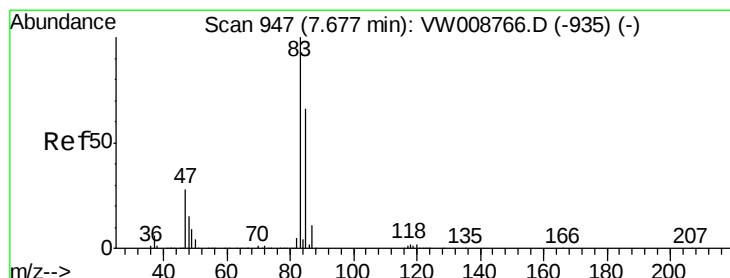
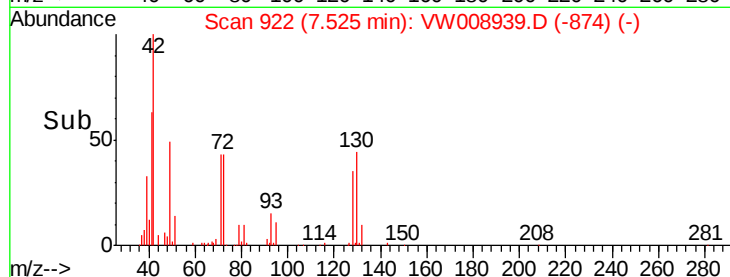
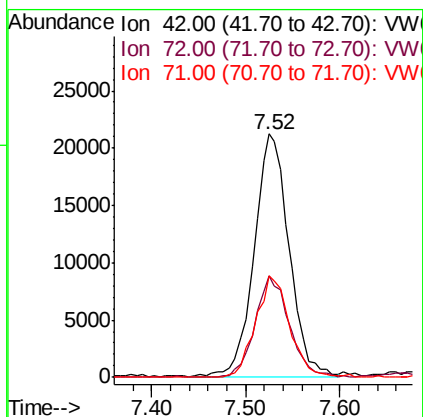
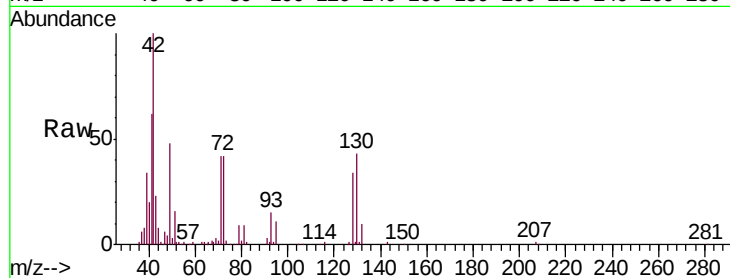




#29
Tetrahydrofuran
Concen: 118.917 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

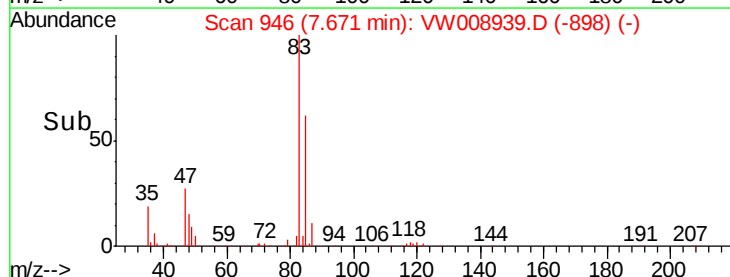
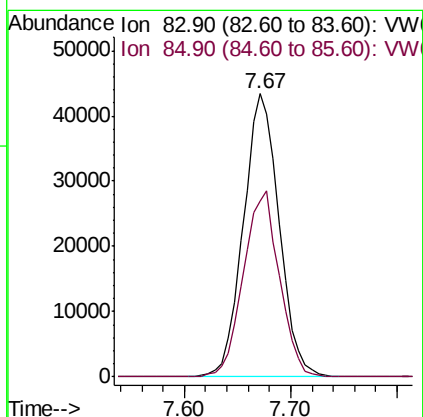
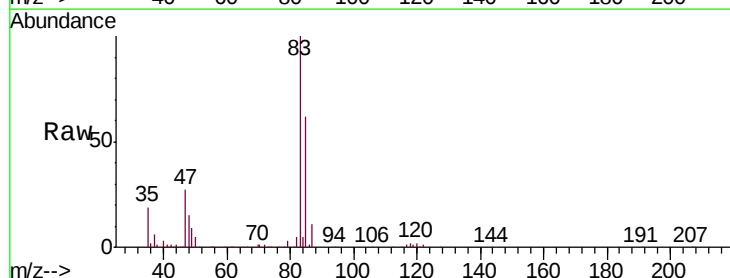
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

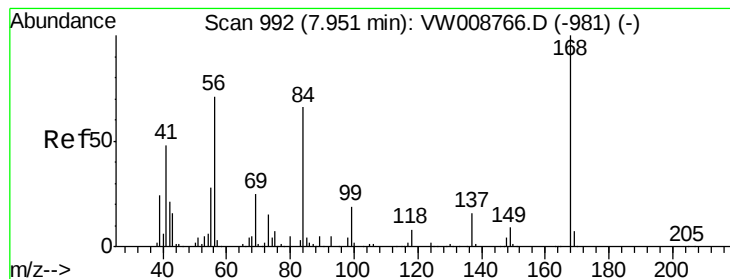
Tgt Ion: 42 Resp: 54979
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 40.9 31.3 46.9



#30
Chloroform
Concen: 23.948 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 83 Resp: 102437
Ion Ratio Lower Upper
83 100
85 62.0 52.6 79.0





#31

Cyclohexane

Concen: 20.836 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

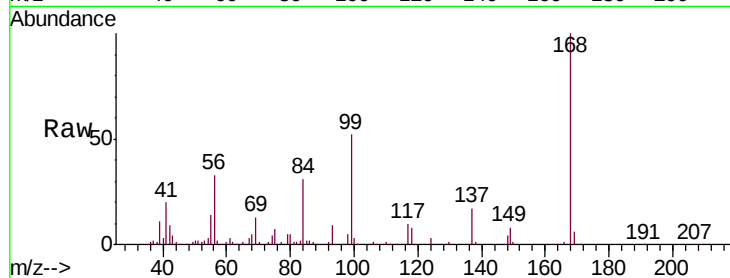
Tgt Ion: 56 Resp: 87942

Ion Ratio Lower Upper

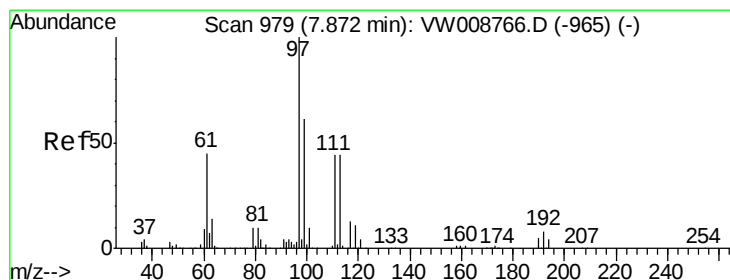
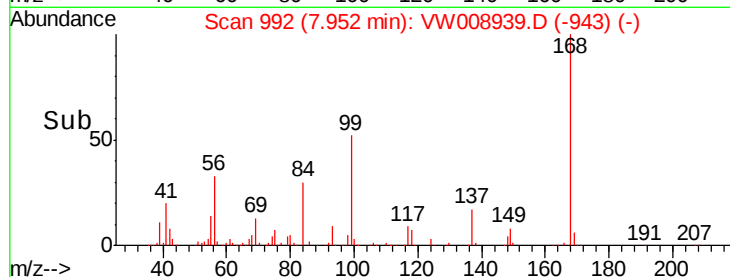
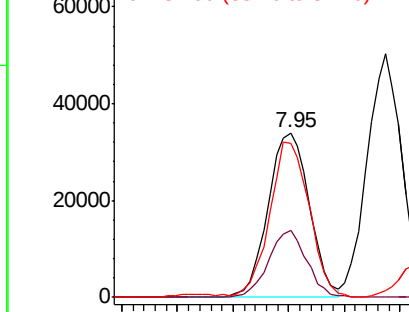
56 100

69 40.9 28.2 42.4

84 91.6 74.1 111.1



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: 23.128 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

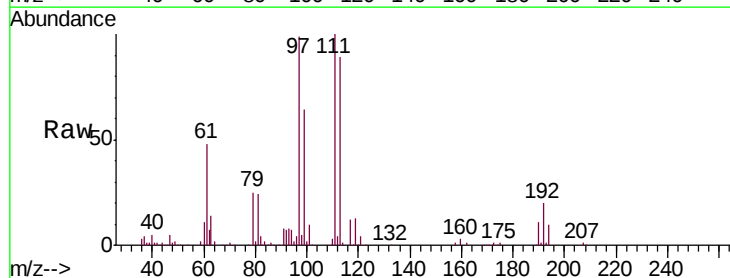
Tgt Ion: 97 Resp: 89966

Ion Ratio Lower Upper

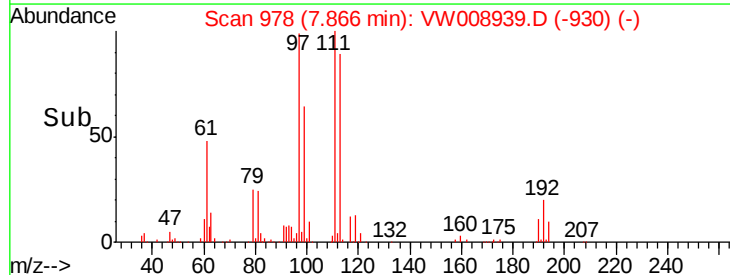
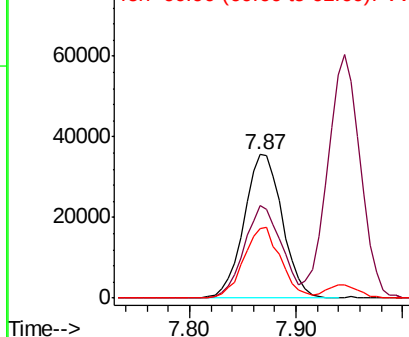
97 100

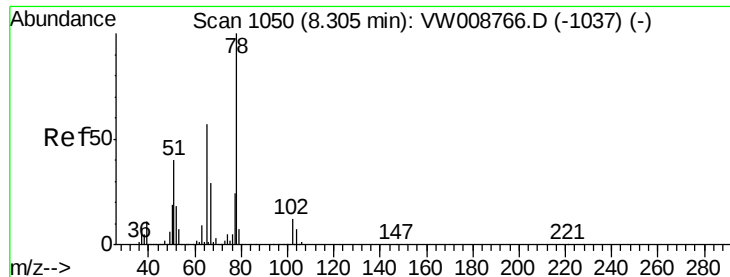
99 62.6 50.8 76.2

61 47.7 36.0 54.0



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: 64.097 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

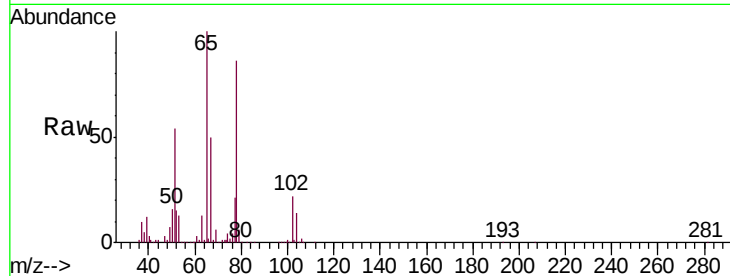
VW0302SBS01

Tgt Ion: 65 Resp: 143497

Ion Ratio Lower Upper

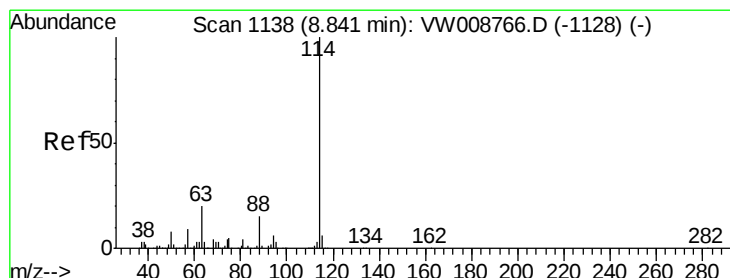
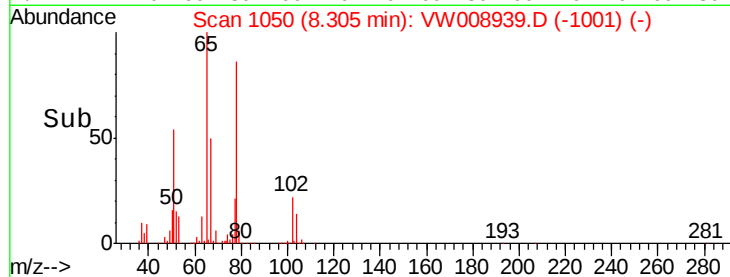
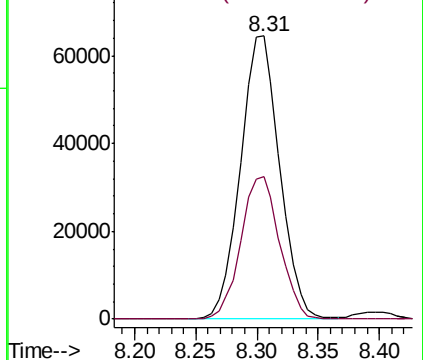
65 100

67 50.0 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

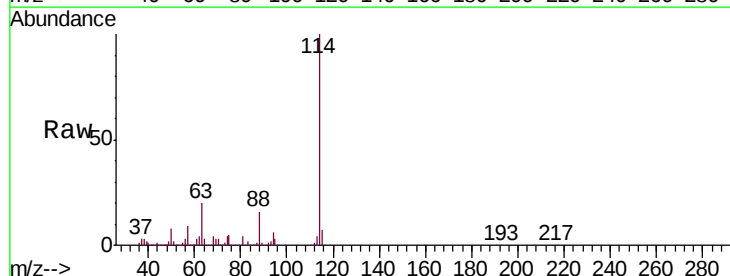
Tgt Ion: 114 Resp: 363245

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

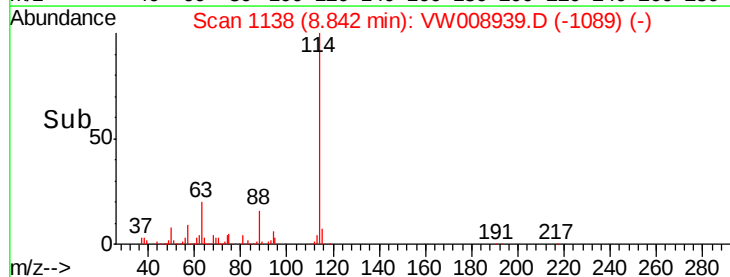
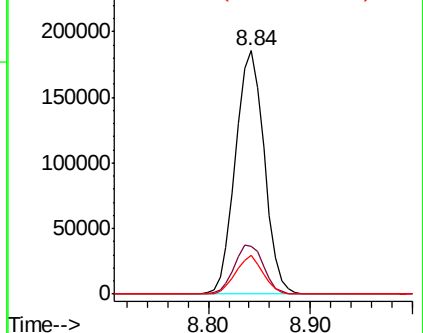
88 15.9 0.0 30.4

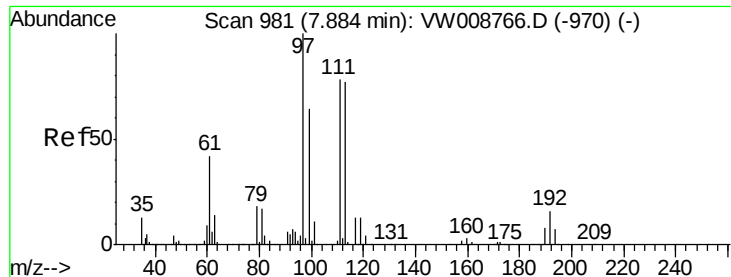


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 57.803 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

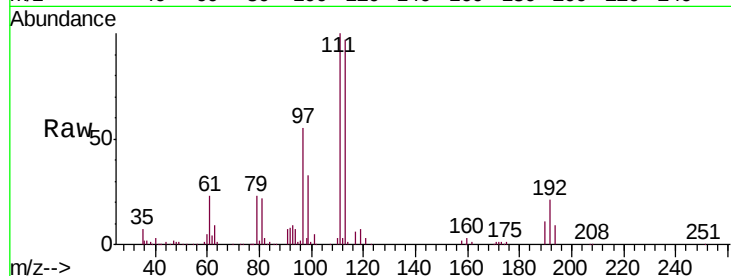
Tgt Ion:113 Resp: 126067

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

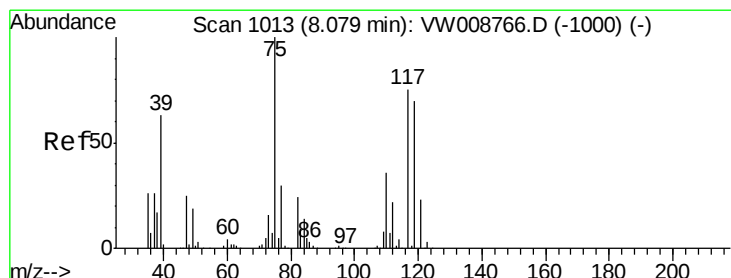
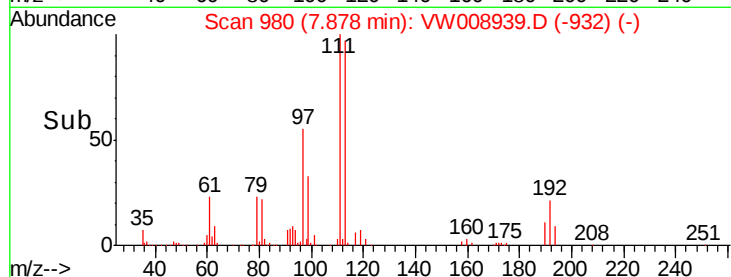
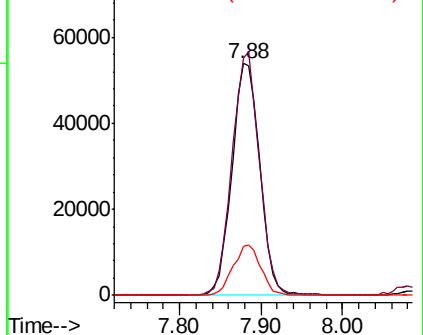
192 21.7 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.096 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

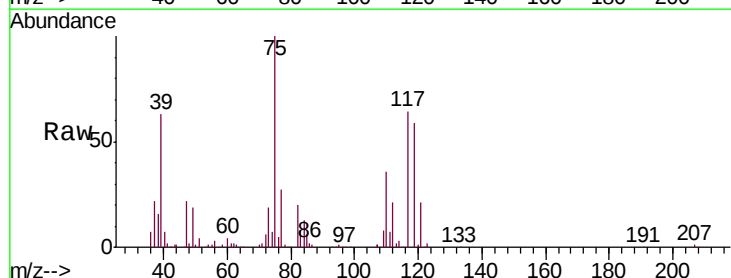
Tgt Ion: 75 Resp: 78132

Ion Ratio Lower Upper

75 100

110 35.0 17.5 52.6

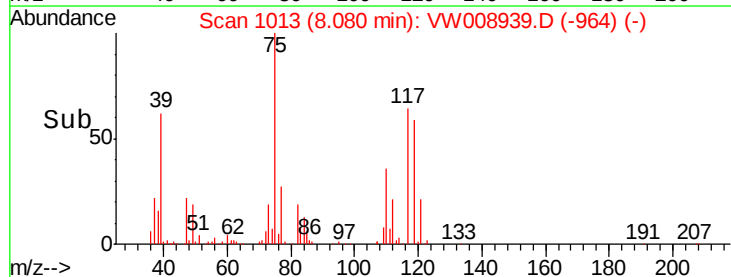
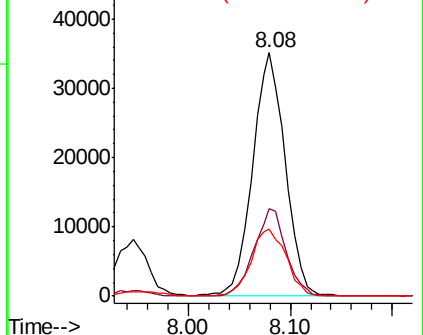
77 29.7 24.5 36.7

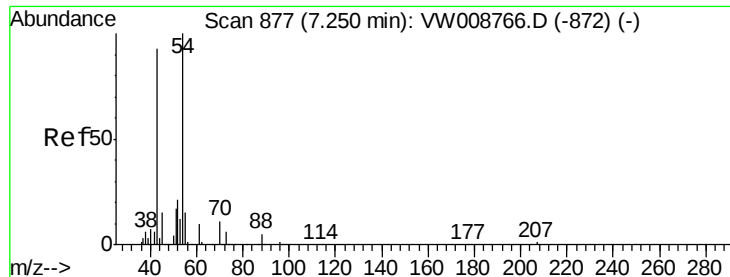


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

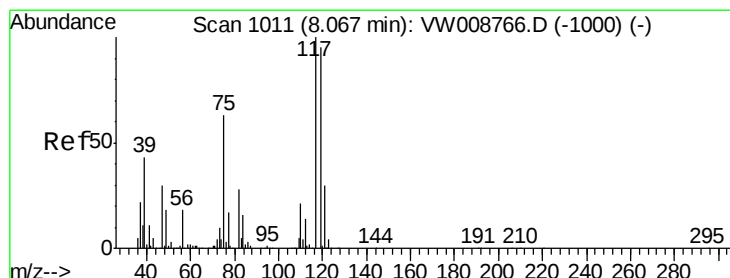
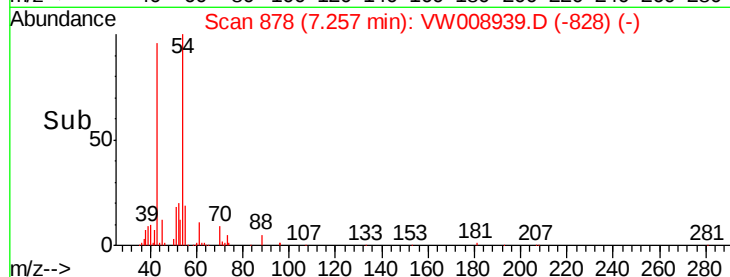
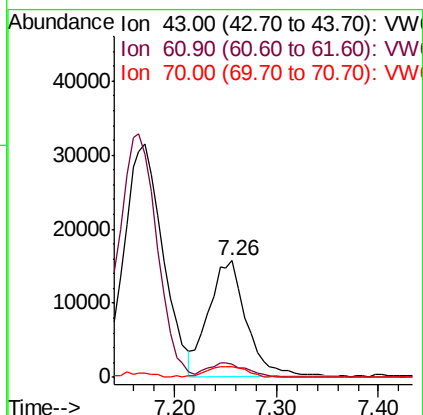
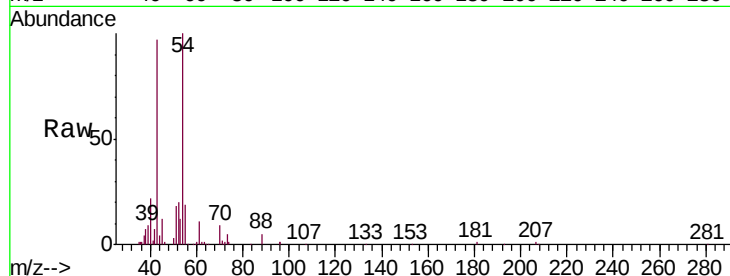




#37
Ethyl Acetate
Concen: 24.499 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

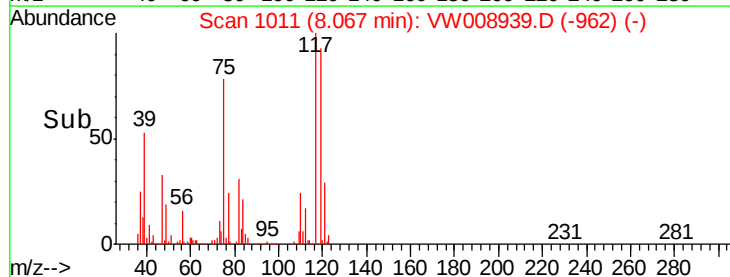
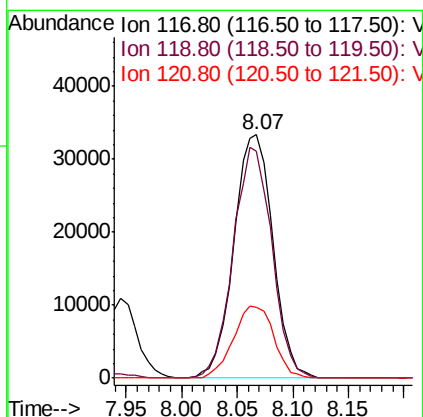
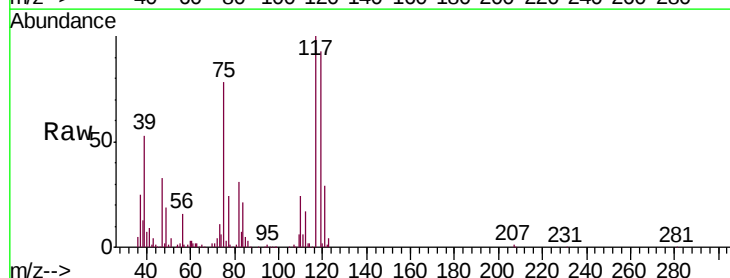
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

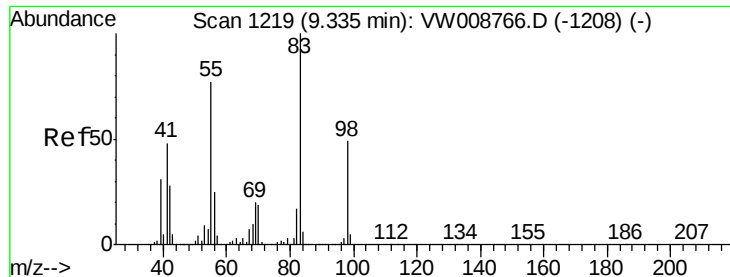
Tgt Ion: 43 Resp: 40283
Ion Ratio Lower Upper
43 100
61 12.6 9.8 14.8
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.814 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 117 Resp: 81343
Ion Ratio Lower Upper
117 100
119 93.0 76.1 114.1
121 29.2 24.0 36.0

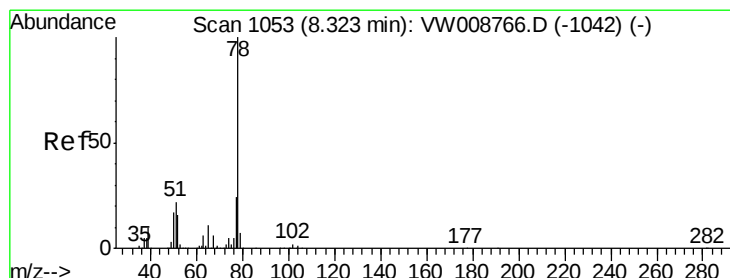
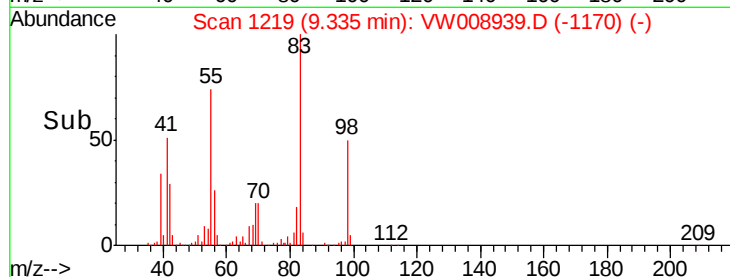
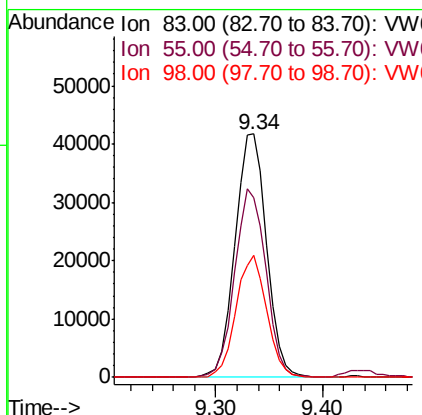
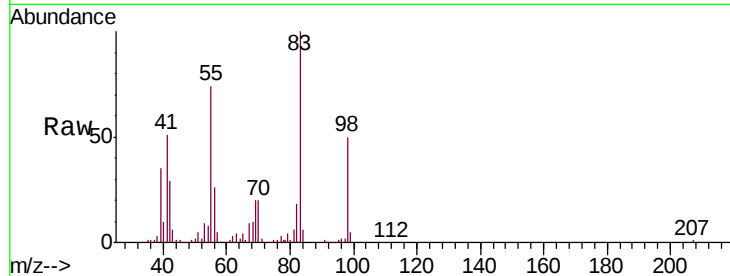




#39
Methylcyclohexane
Concen: 19.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

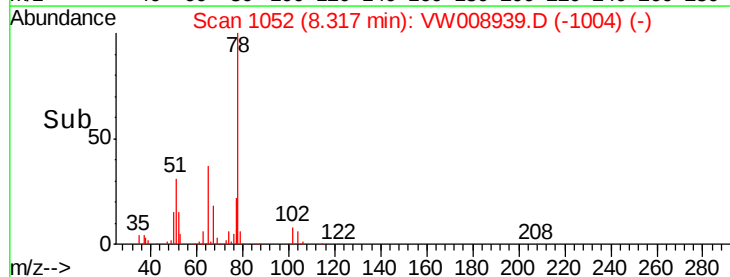
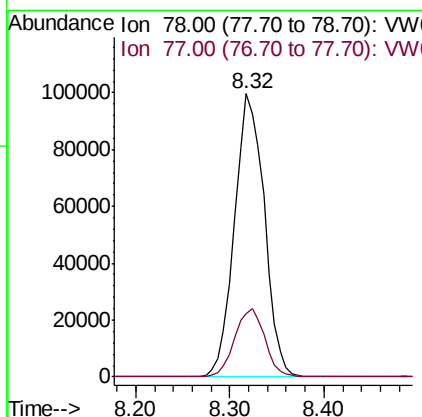
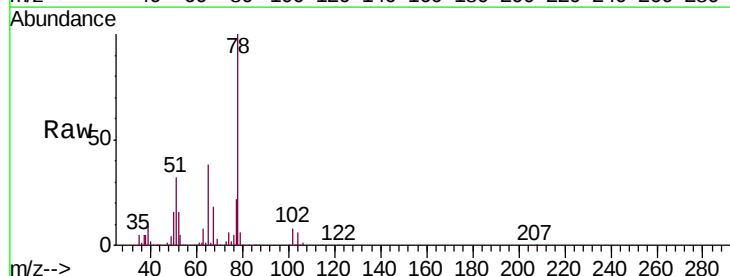
Instrument :
MSVOA_W
ClientSampled :
VW0302SBS01

Tgt Ion: 83 Resp: 86809
Ion Ratio Lower Upper
83 100
55 73.3 61.2 91.8
98 50.0 39.4 59.2



#40
Benzene
Concen: 22.801 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 78 Resp: 220123
Ion Ratio Lower Upper
78 100
77 22.1 19.3 28.9

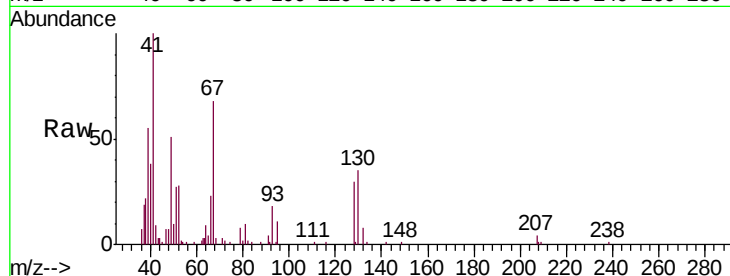




#41
Methacrylonitrile
Concen: 23.621 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tgt Ion:	41	Resp:	22830
Ion	Ratio	Lower	Upper
41	100		
39	55.9	52.5	78.7
67	65.5	55.0	82.6
52	31.2	26.9	40.3



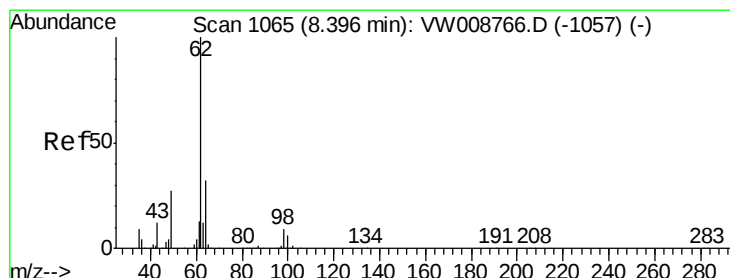
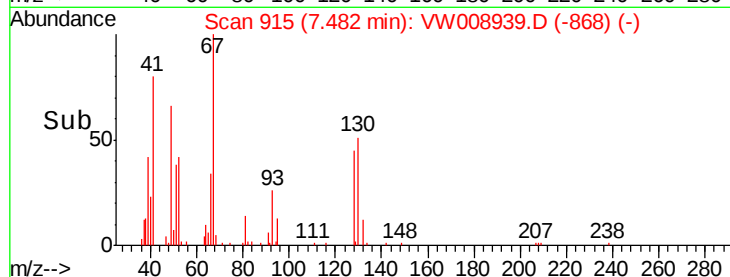
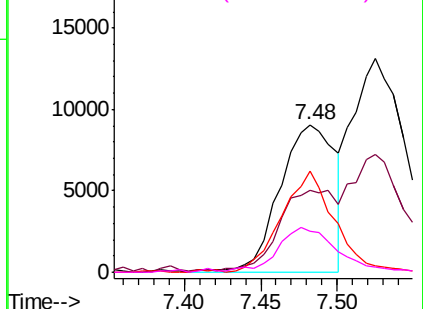
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

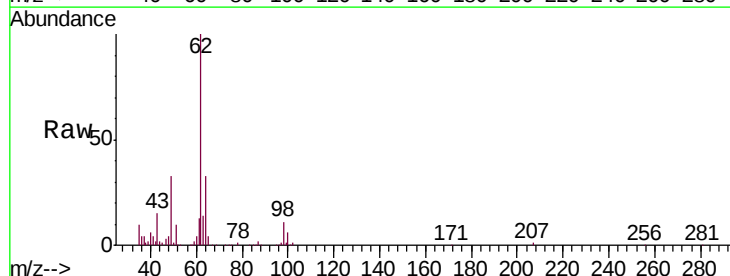
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 24.073 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

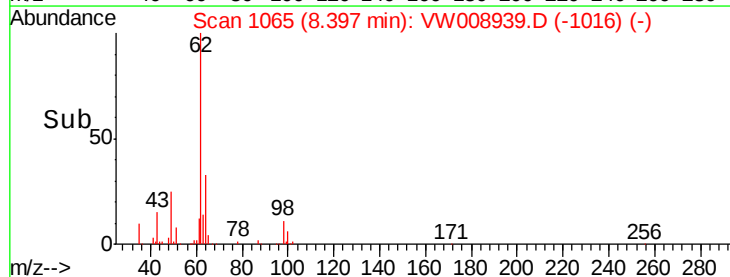
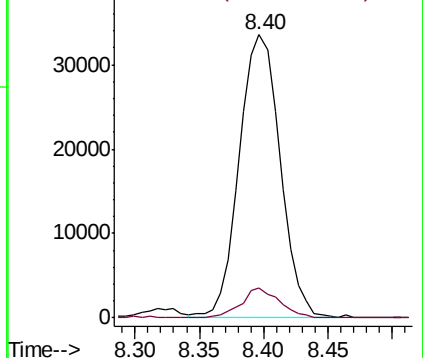
Tgt Ion:	62	Resp:	73622
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2

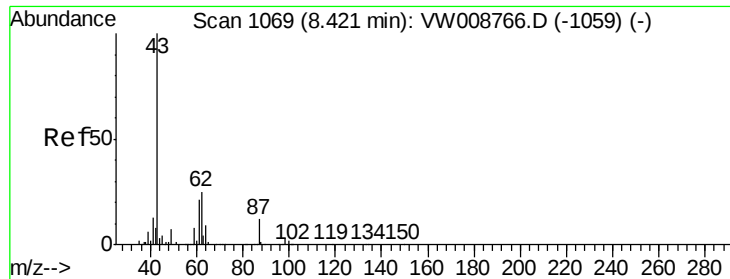


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.027 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

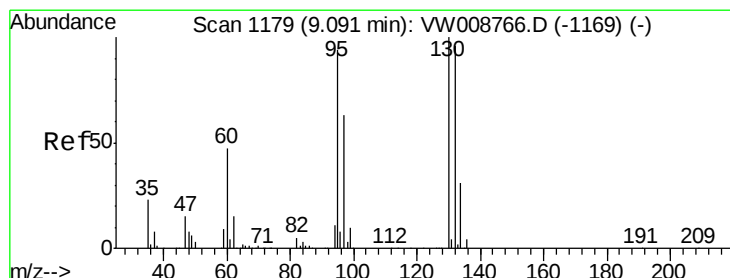
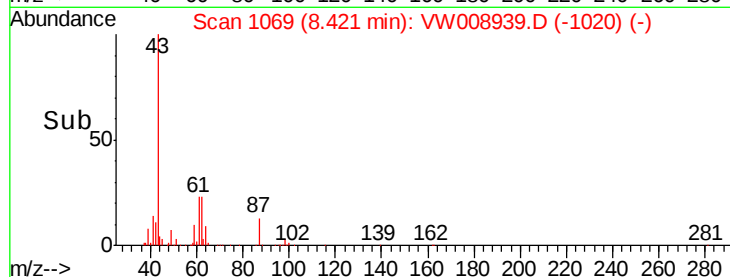
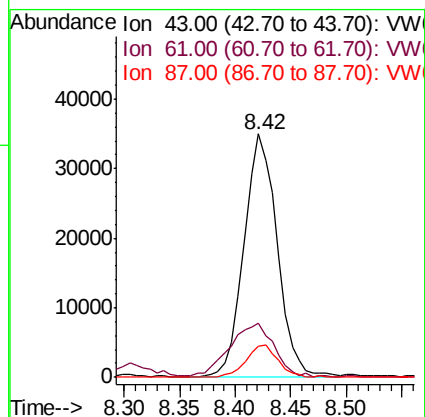
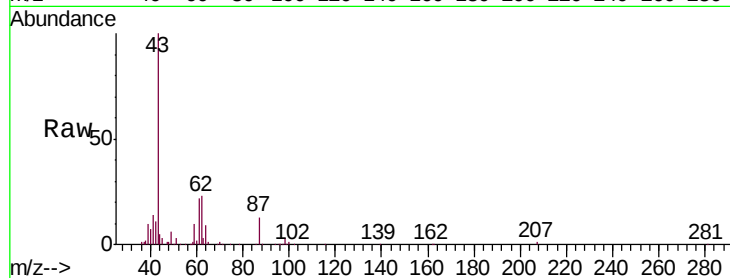
Tgt Ion: 43 Resp: 72285

Ion Ratio Lower Upper

43 100

61 30.0 23.2 34.8

87 12.8 9.9 14.9



#44

Trichloroethene

Concen: 22.328 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008939.D

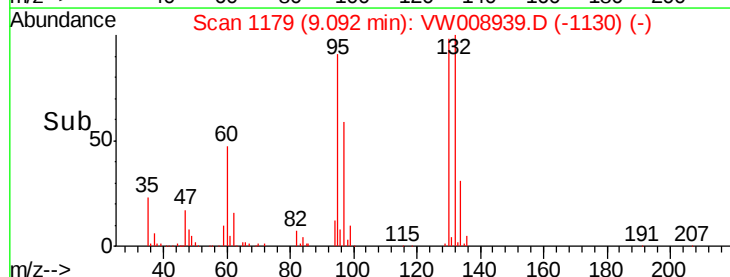
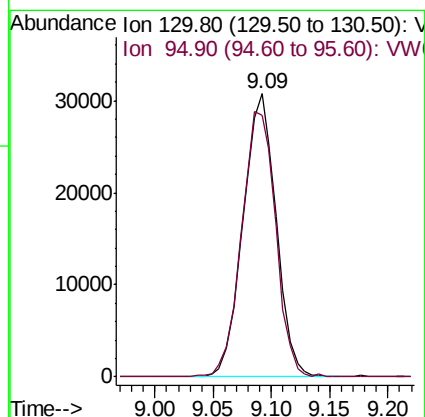
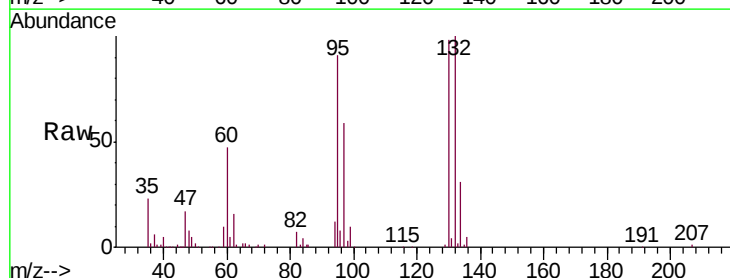
Acq: 02 Mar 2019 00:38

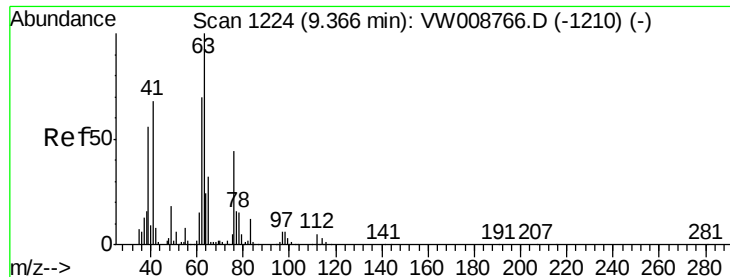
Tgt Ion: 130 Resp: 60725

Ion Ratio Lower Upper

130 100

95 92.2 0.0 188.6





#45

1,2-Dichloropropane

Concen: 24.157 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

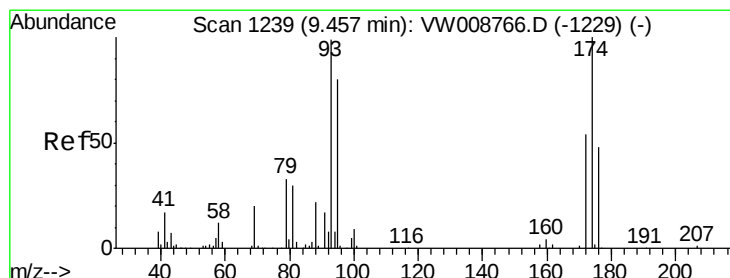
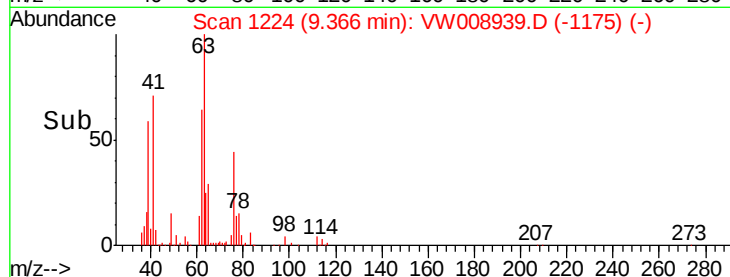
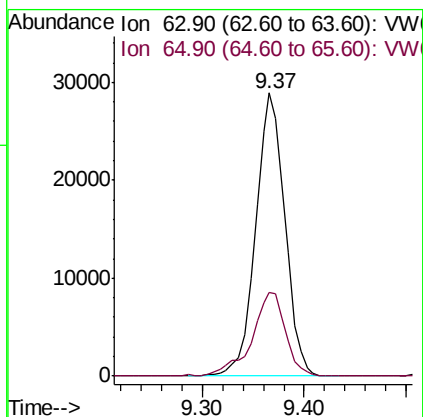
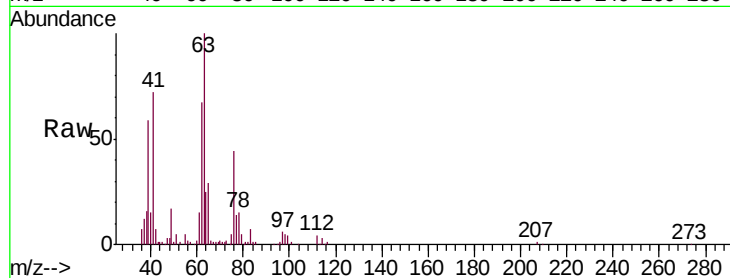
VW0302SBS01

Tgt Ion: 63 Resp: 57632

Ion Ratio Lower Upper

63 100

65 29.4 25.5 38.3



#46

Dibromomethane

Concen: 24.257 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

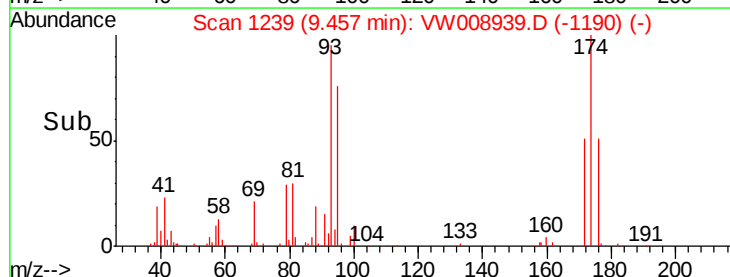
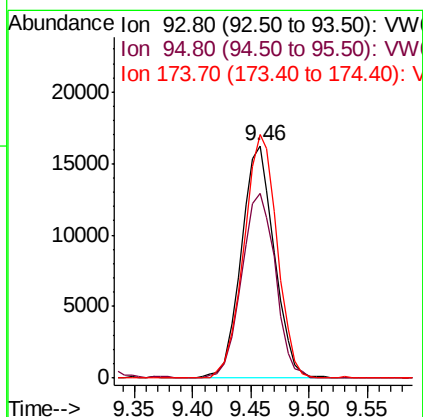
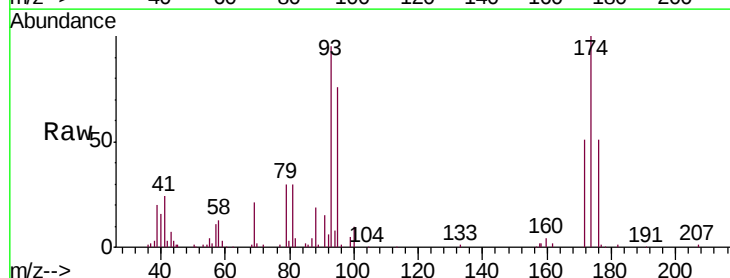
Tgt Ion: 93 Resp: 32189

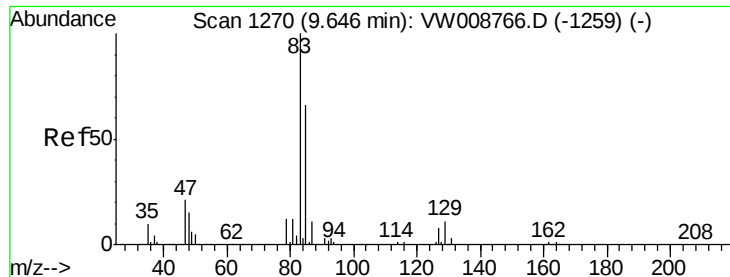
Ion Ratio Lower Upper

93 100

95 81.3 67.7 101.5

174 105.2 86.7 130.1





#47

Bromodichloromethane

Concen: 24.273 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

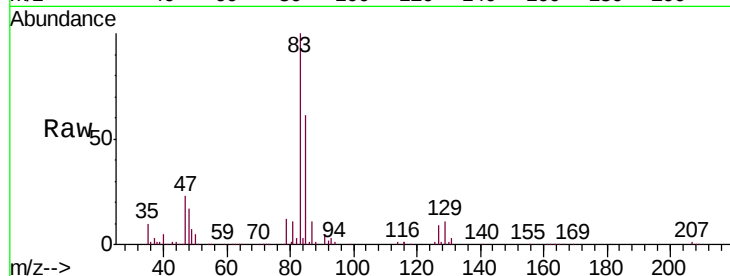
Tgt Ion: 83 Resp: 78368

Ion Ratio Lower Upper

83 100

85 61.2 52.5 78.7

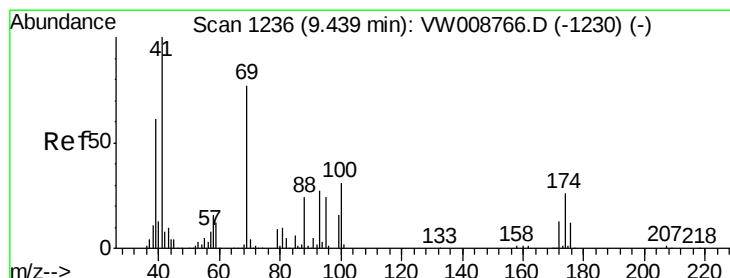
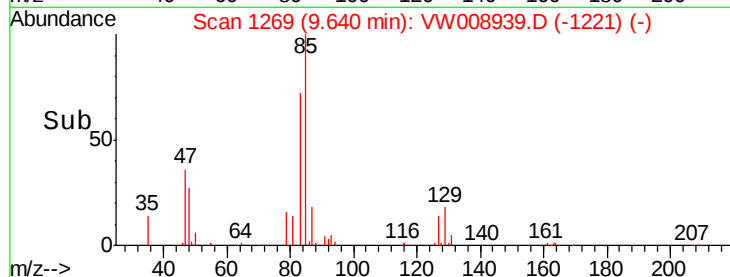
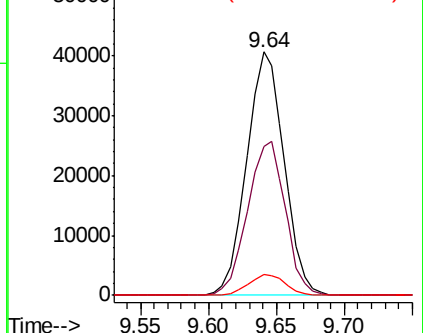
127 8.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.353 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

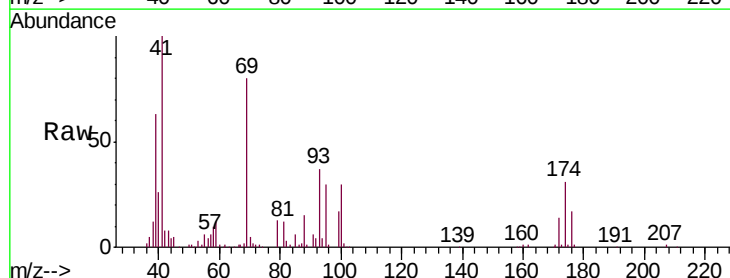
Tgt Ion: 41 Resp: 33561

Ion Ratio Lower Upper

41 100

69 84.1 63.6 95.4

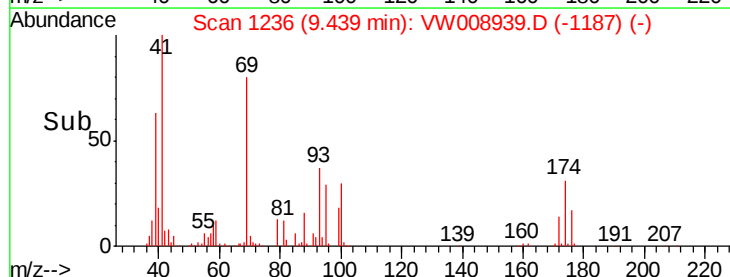
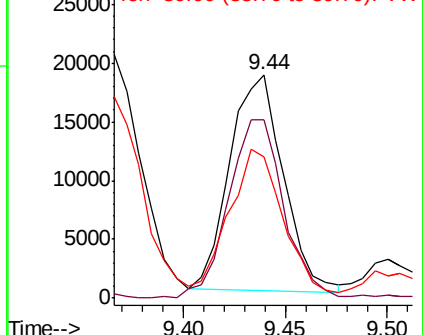
39 65.2 52.1 78.1

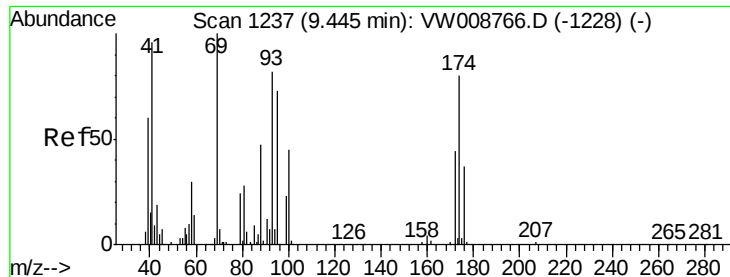


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

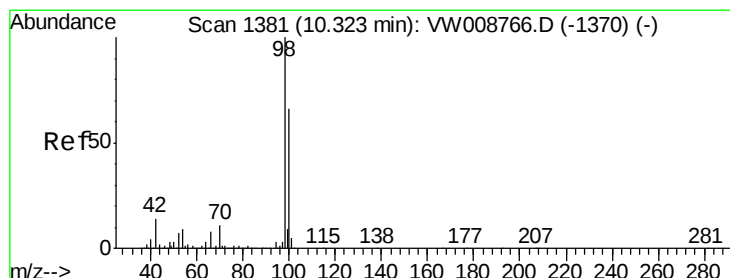
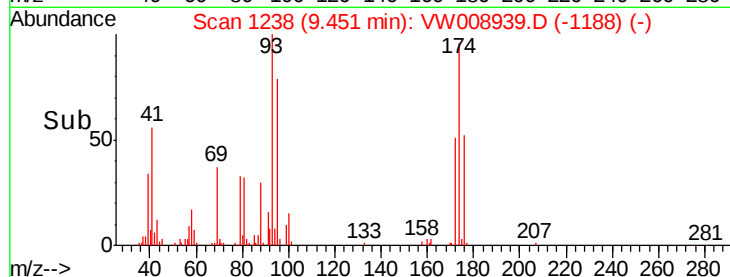
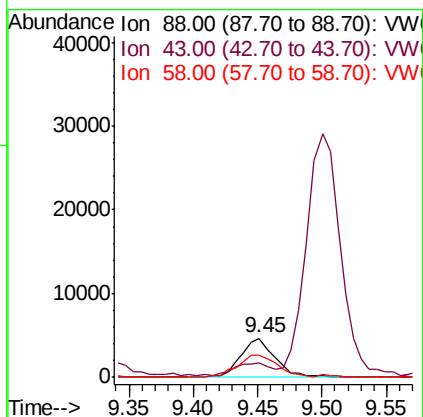
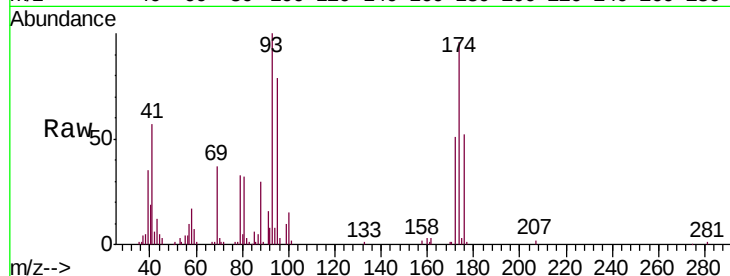




#49
1,4-Dioxane
Concen: 406.004 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

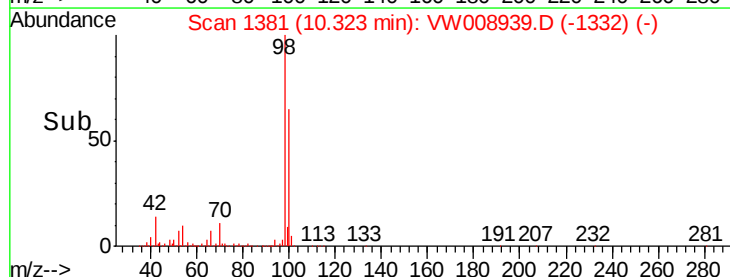
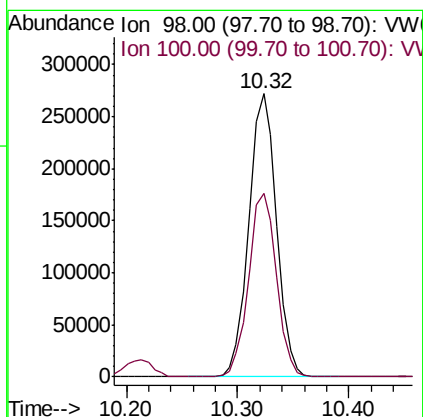
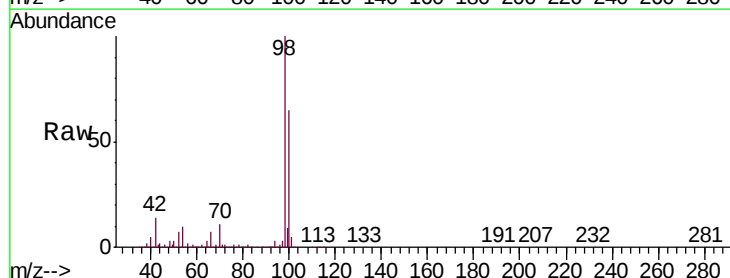
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

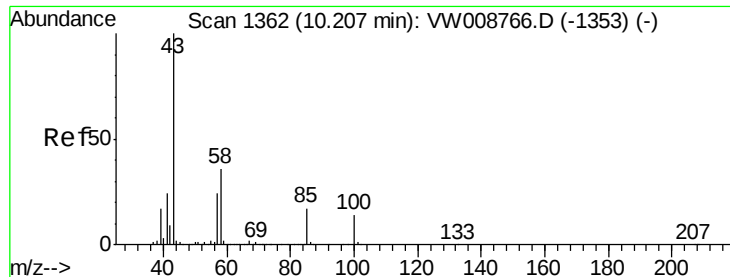
Tgt Ion: 88 Resp: 8628
Ion Ratio Lower Upper
88 100
43 36.3 29.0 43.4
58 67.9 52.0 78.0



#50
Toluene-d8
Concen: 55.863 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 98 Resp: 470322
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

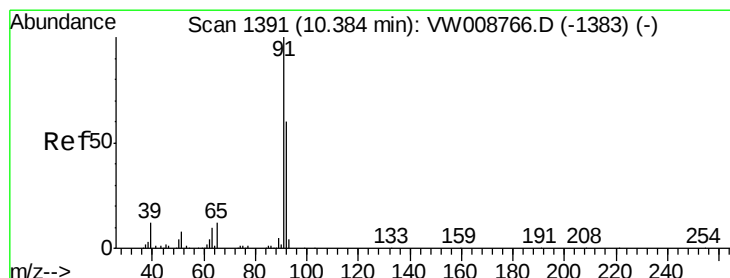
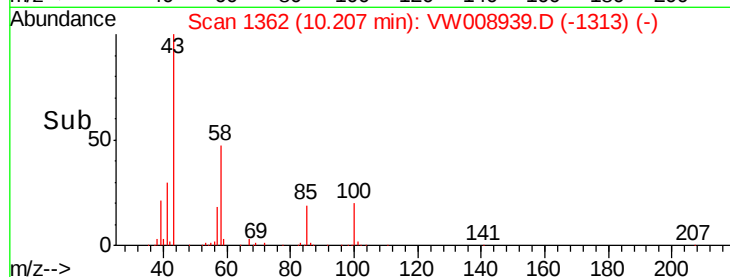
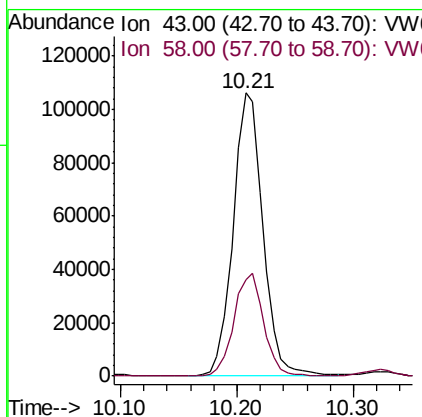
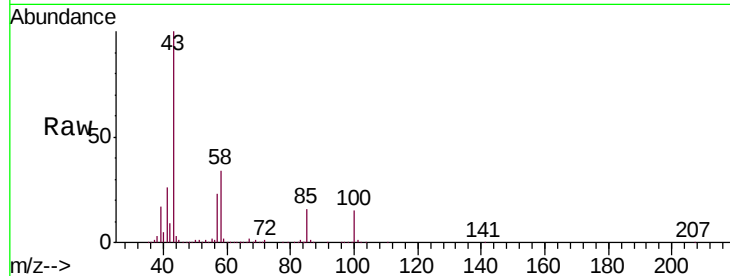




#51
 4-Methyl-2-Pentanone
 Concen: 113.021 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

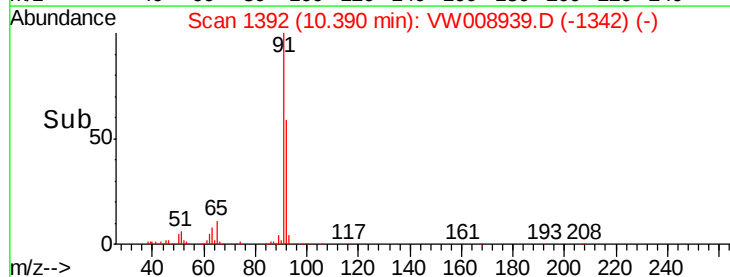
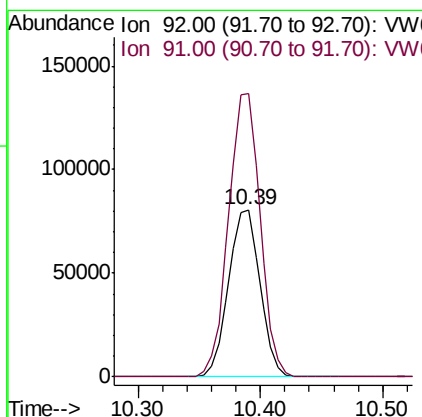
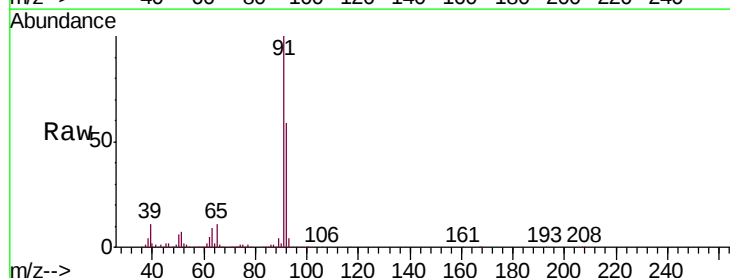
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

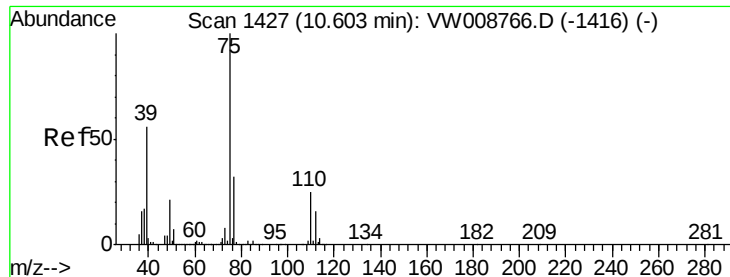
Tgt Ion: 43 Resp: 188307
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.1 43.7



#52
 Toluene
 Concen: 21.870 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion: 92 Resp: 143292
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 22.065 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

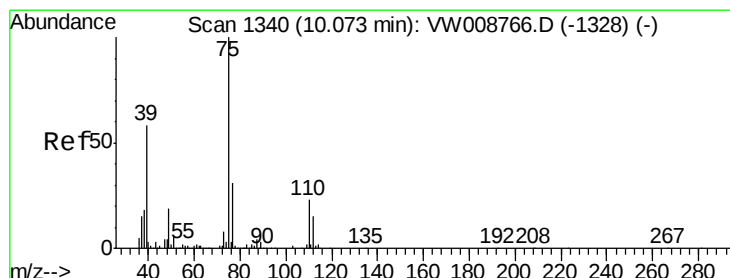
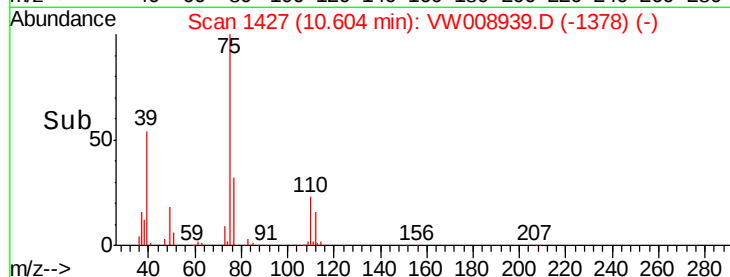
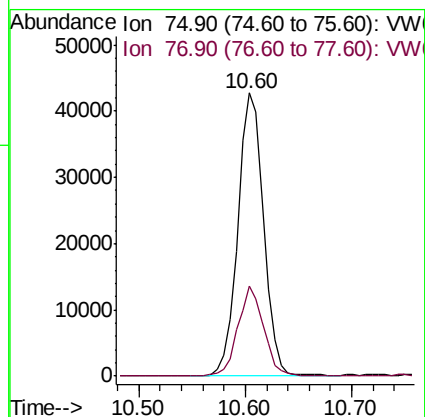
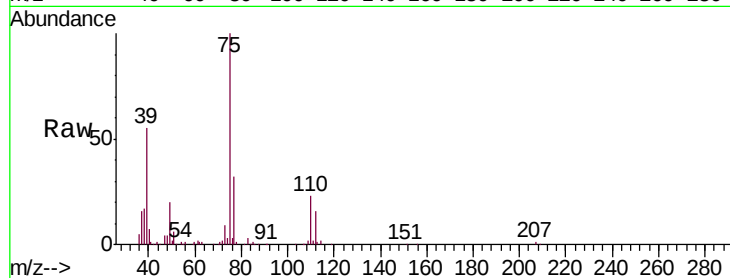
VW0302SBS01

Tgt Ion: 75 Resp: 72614

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 22.365 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

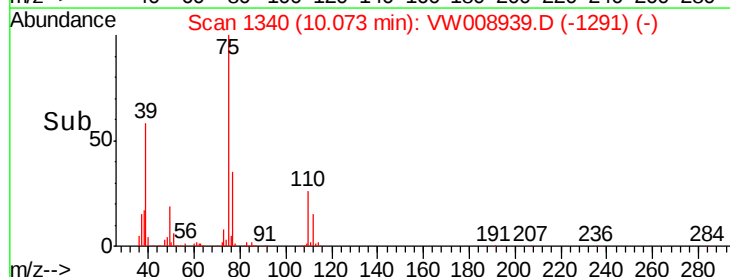
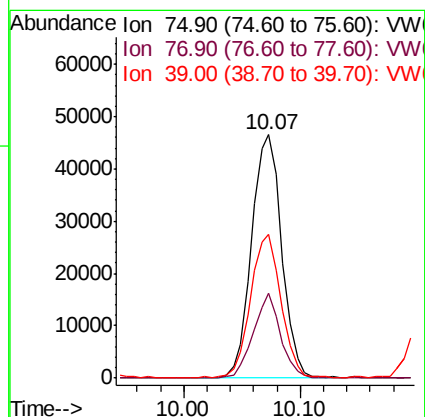
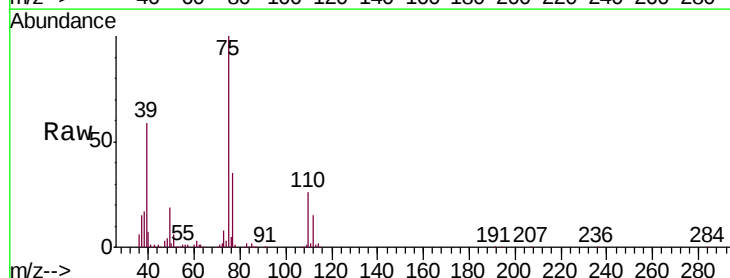
Tgt Ion: 75 Resp: 83944

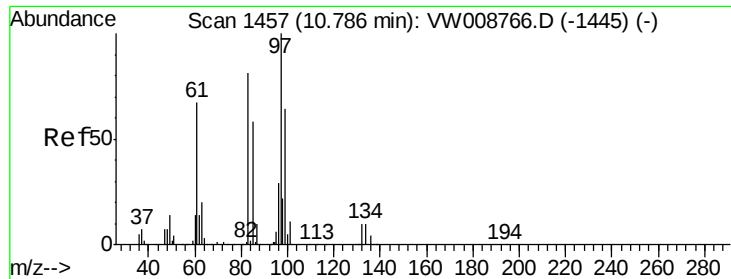
Ion Ratio Lower Upper

75 100

77 34.9 25.0 37.4

39 59.0 46.6 70.0

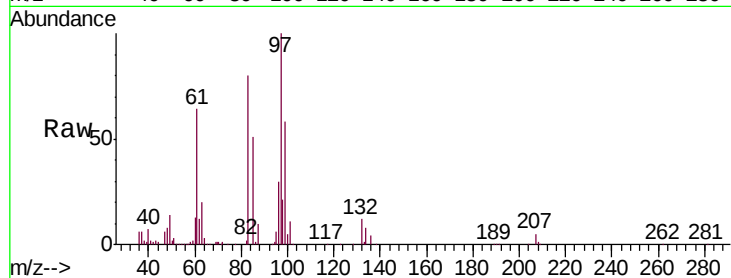




#55
 1,1,2-Trichloroethane
 Concen: 25.034 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tgt Ion:	97	Resp:	45053
Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.0	97.6
85	50.8	46.0	69.0
99	58.0	51.1	76.7



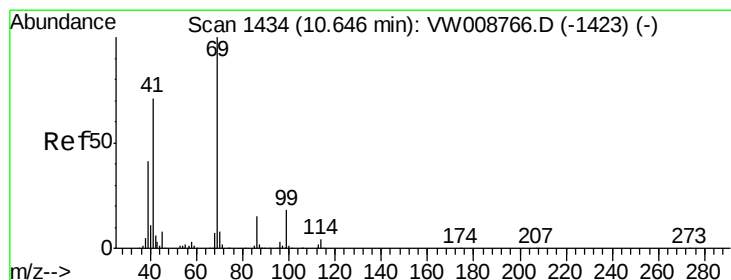
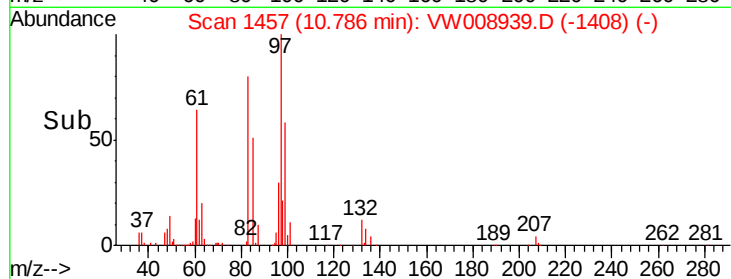
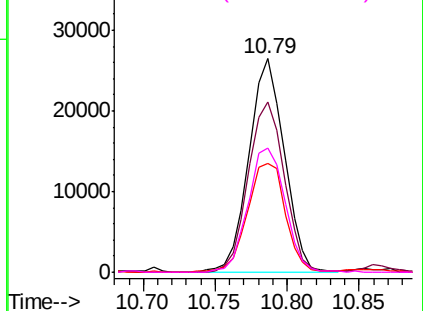
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

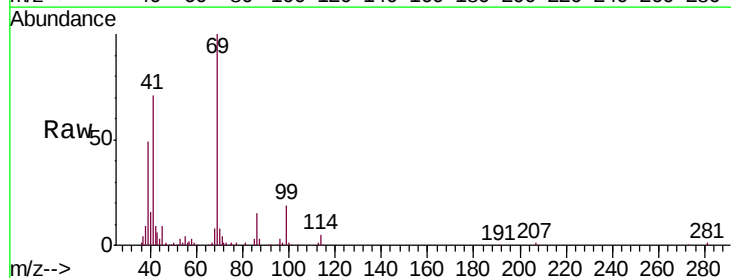
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.047 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion:	69	Resp:	49210
Ion	Ratio	Lower	Upper
69	100		
41	74.7	57.4	86.0
39	45.8	34.8	52.2

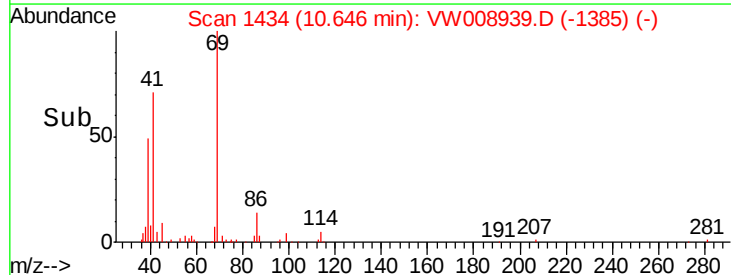
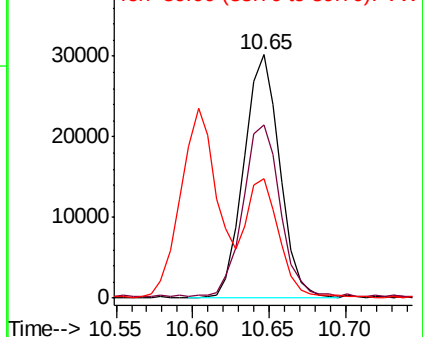


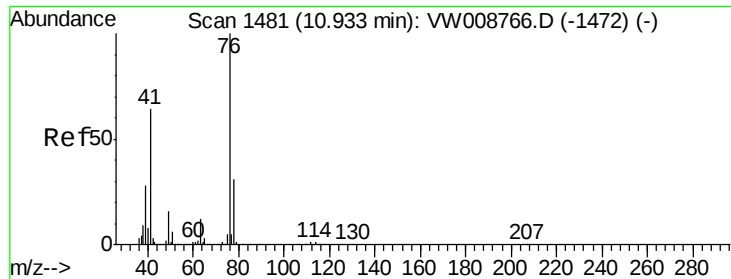
Abundance

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: 23.598 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

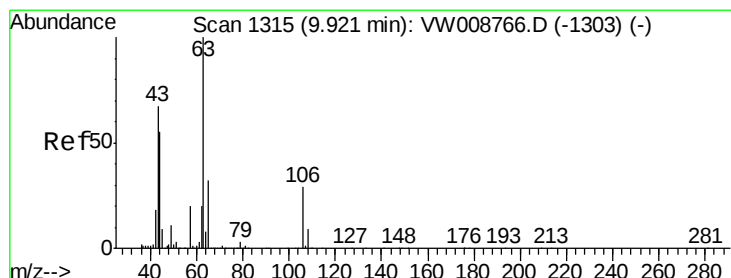
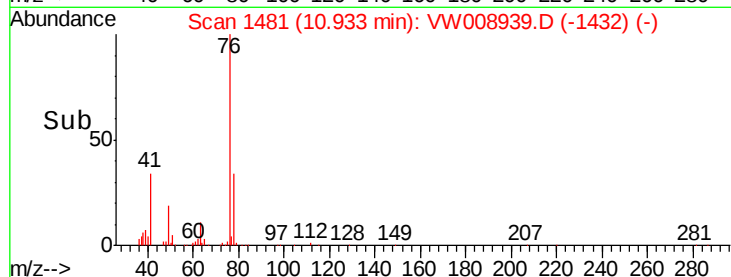
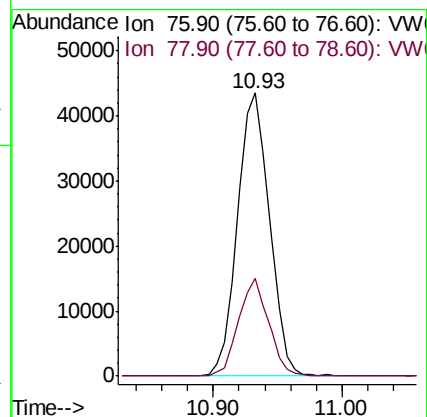
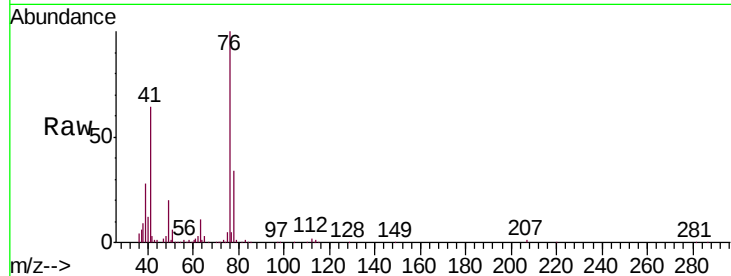
VW0302SBS01

Tgt Ion: 76 Resp: 74981

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 122.770 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008939.D

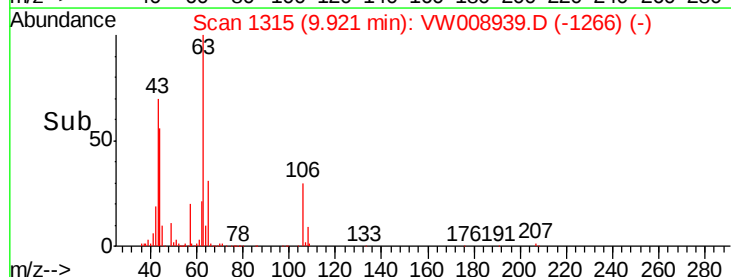
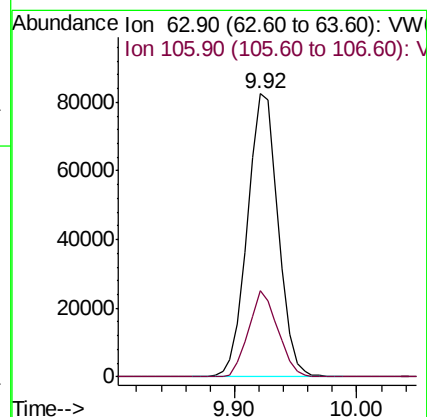
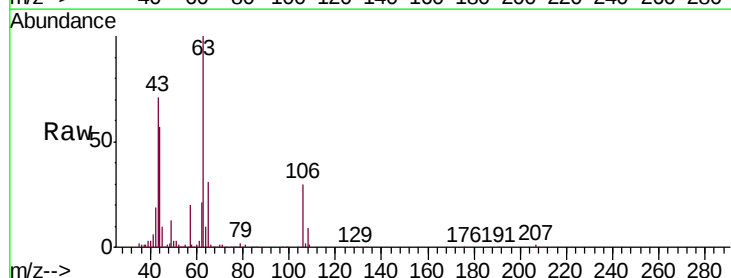
Acq: 02 Mar 2019 00:38

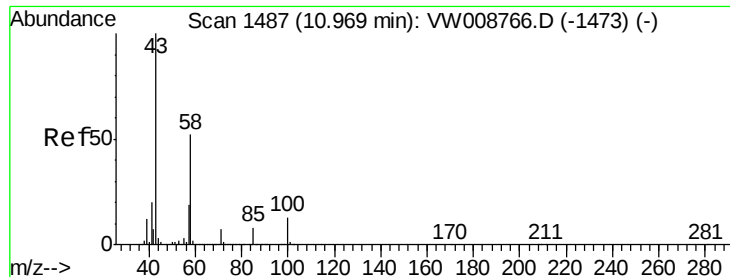
Tgt Ion: 63 Resp: 144371

Ion Ratio Lower Upper

63 100

106 29.1 24.0 36.0

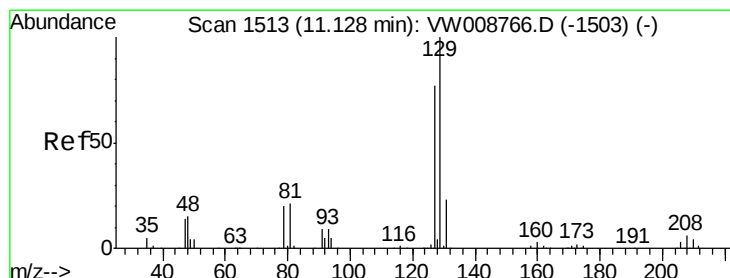
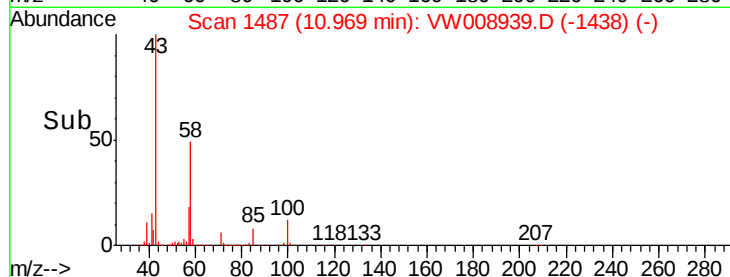
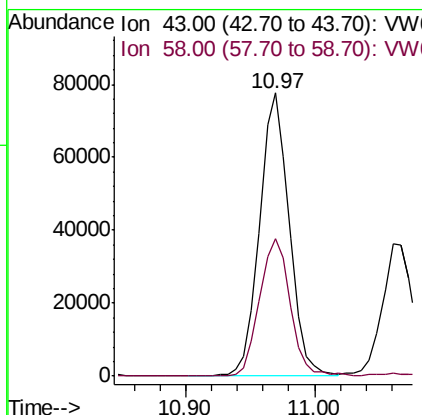
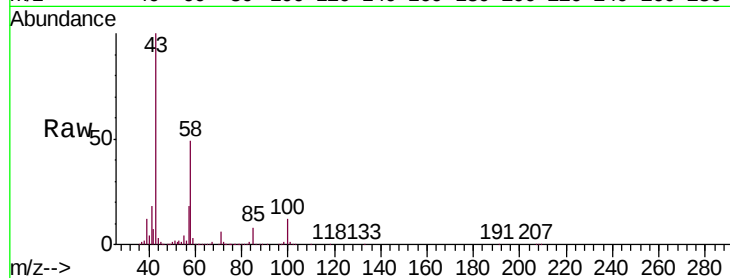




#59
2-Hexanone
Concen: 103.560 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

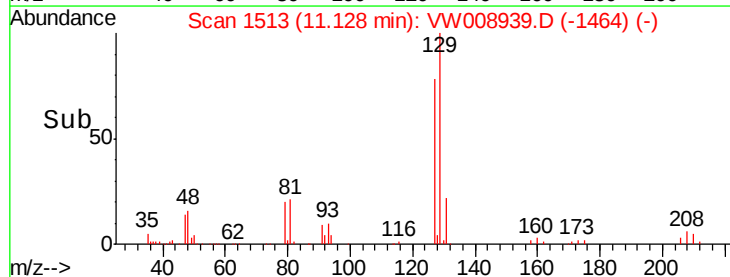
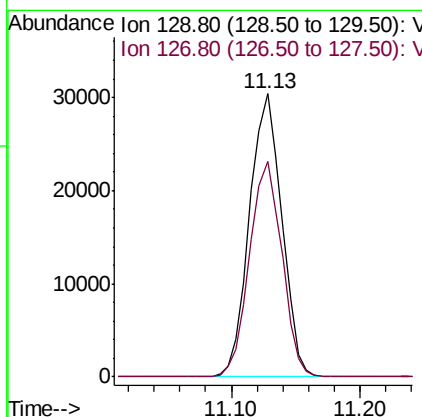
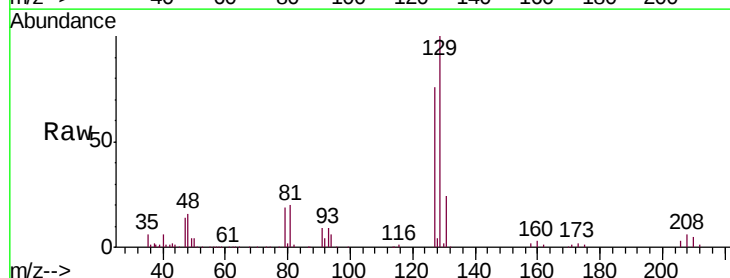
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

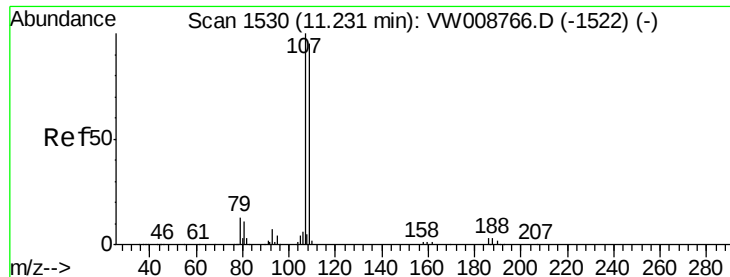
Tgt Ion: 43 Resp: 122824
Ion Ratio Lower Upper
43 100
58 50.7 25.3 75.8



#60
Dibromochloromethane
Concen: 24.010 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 129 Resp: 52704
Ion Ratio Lower Upper
129 100
127 75.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 23.186 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

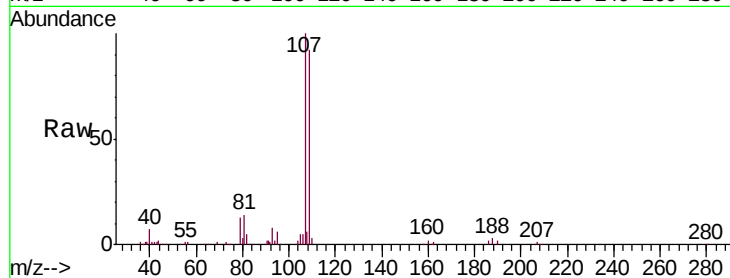
VW0302SBS01

Tgt Ion: 107 Resp: 41303

Ion Ratio Lower Upper

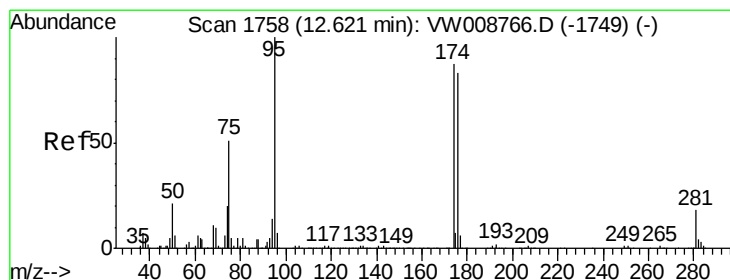
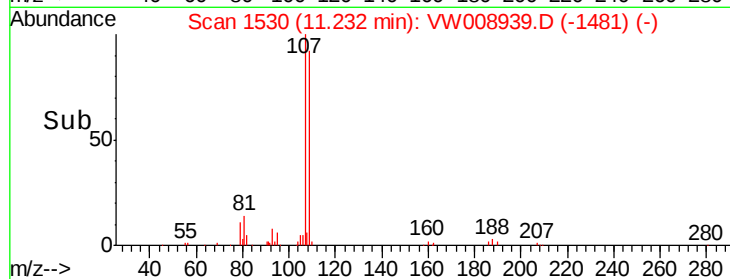
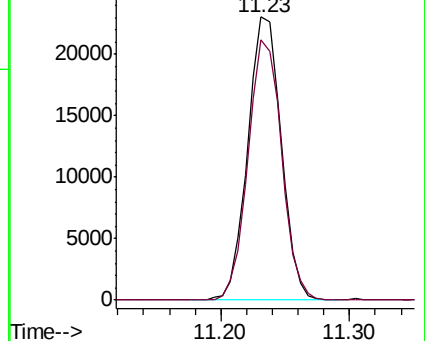
107 100

109 92.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.703 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

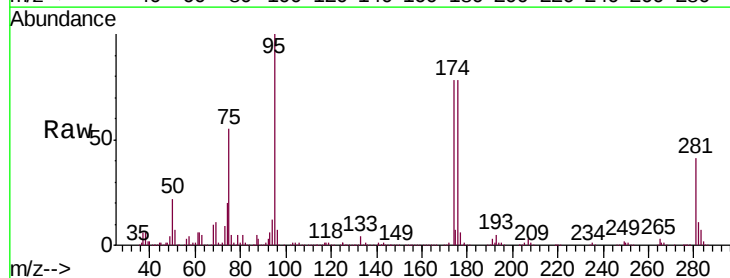
Tgt Ion: 95 Resp: 180327

Ion Ratio Lower Upper

95 100

174 84.8 0.0 169.2

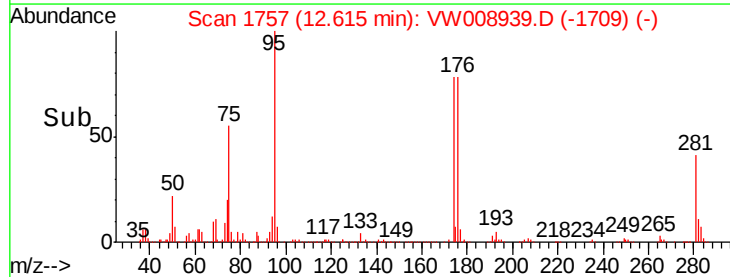
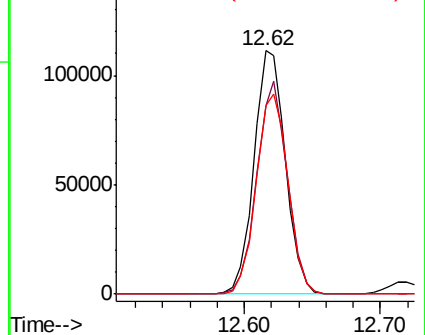
176 83.3 0.0 163.6

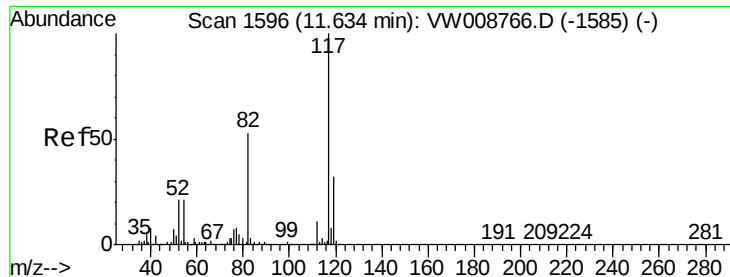


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

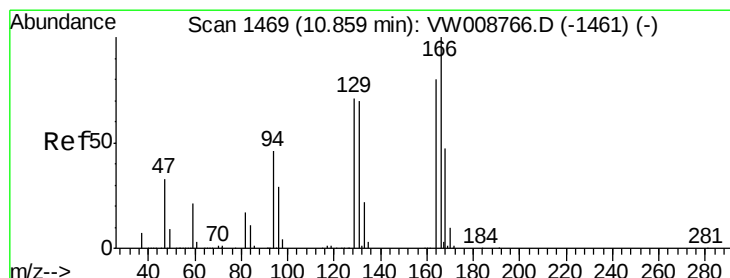
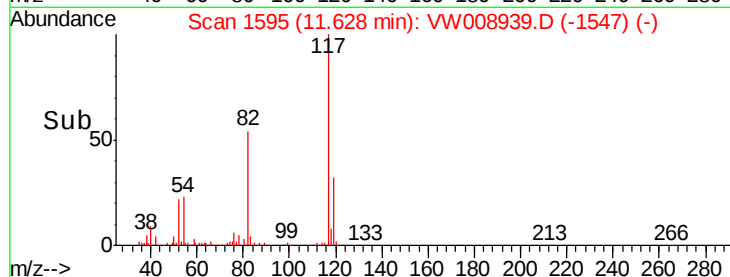
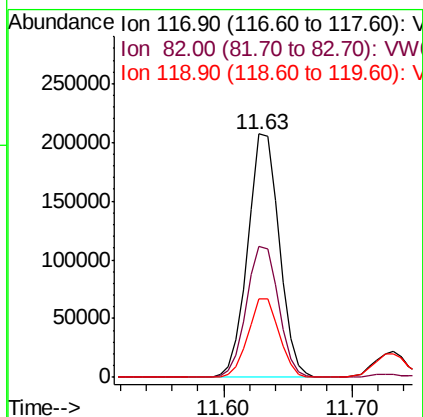
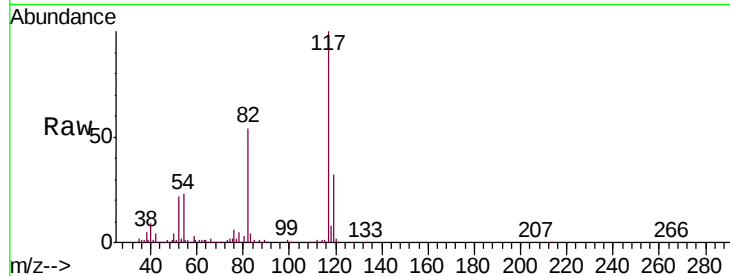




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

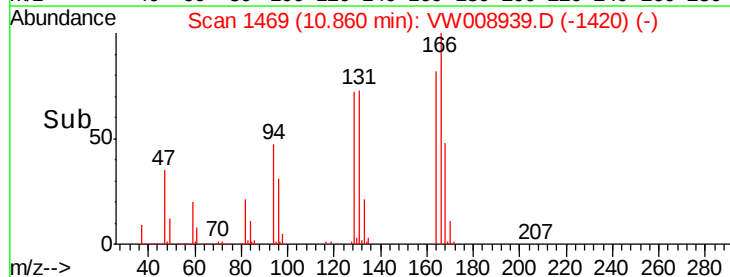
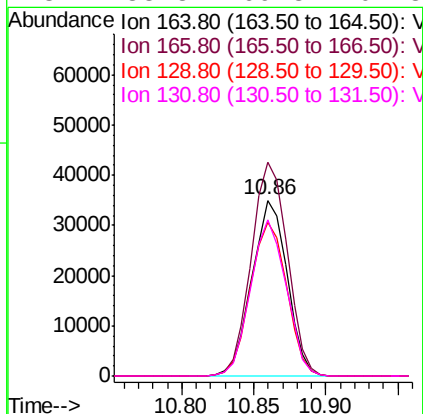
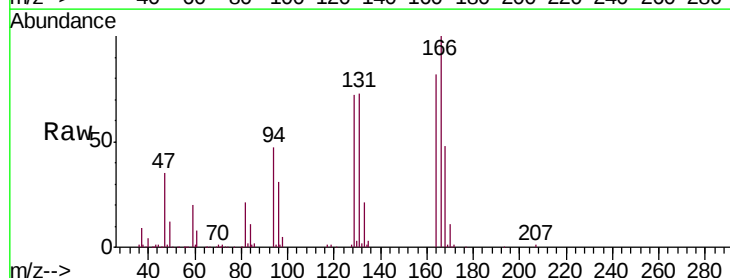
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

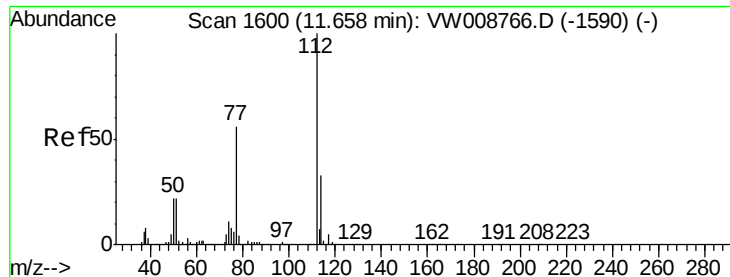
Tgt Ion:117 Resp: 348643
Ion Ratio Lower Upper
117 100
82 54.0 42.2 63.4
119 32.4 25.9 38.9



#64
Tetrachloroethene
Concen: 23.711 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion:164 Resp: 59174
Ion Ratio Lower Upper
164 100
166 121.7 99.5 149.3
129 87.8 71.1 106.7
131 88.8 69.8 104.8





#65

Chlorobenzene

Concen: 22.009 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

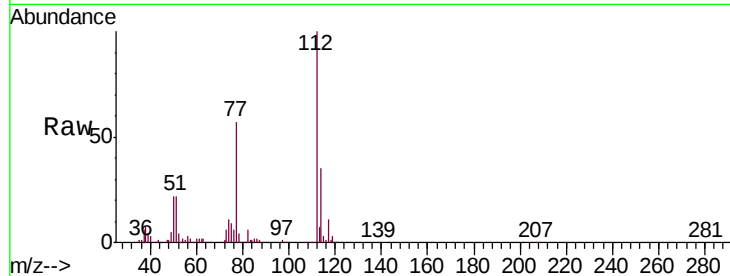
VW0302SBS01

Tgt Ion:112 Resp: 161349

Ion Ratio Lower Upper

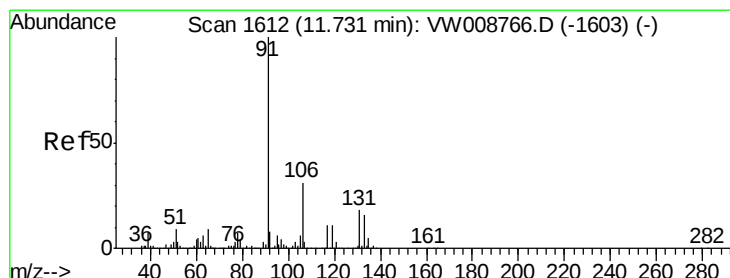
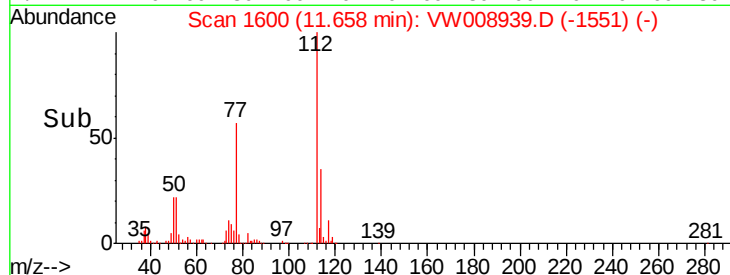
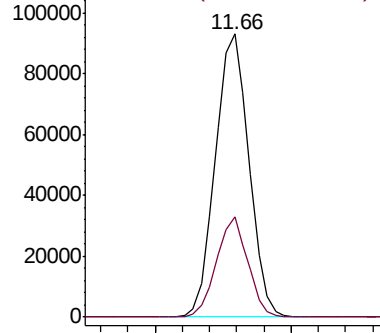
112 100

114 35.3 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.931 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

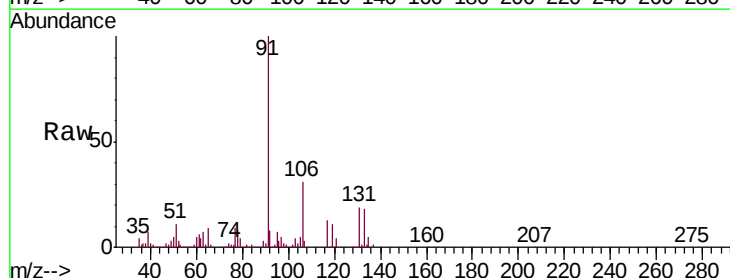
Tgt Ion:131 Resp: 56840

Ion Ratio Lower Upper

131 100

133 96.0 46.7 140.0

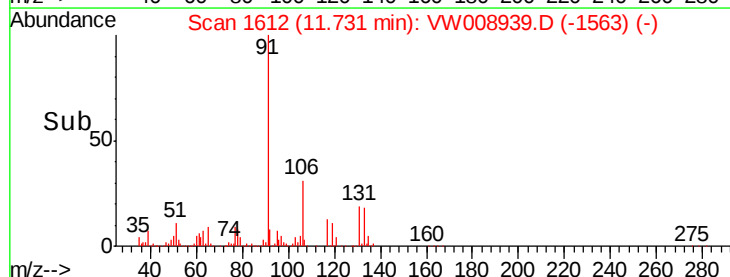
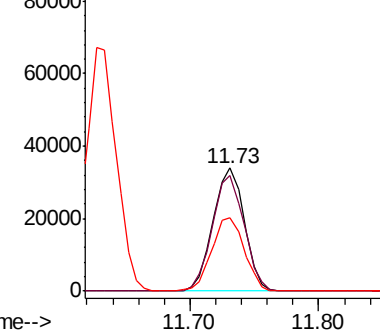
119 62.4 30.8 92.4

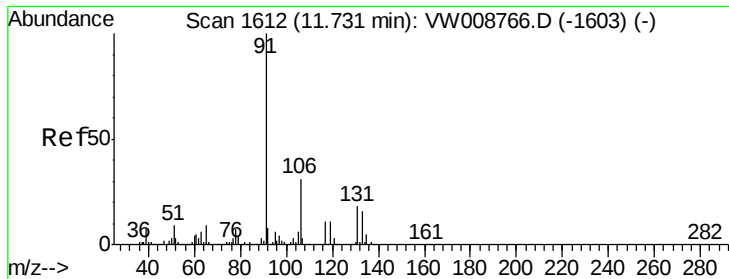


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.946 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

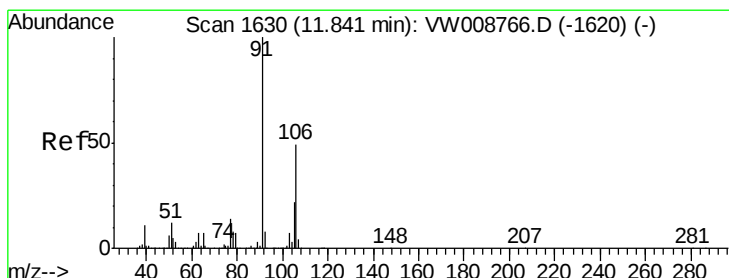
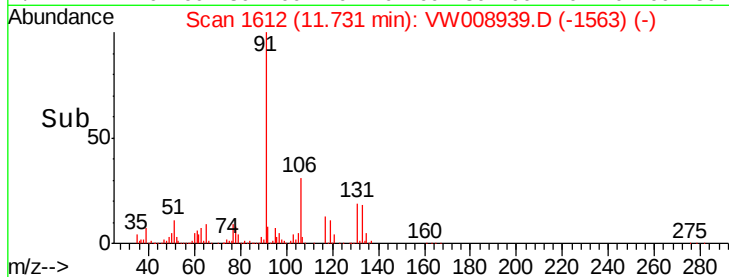
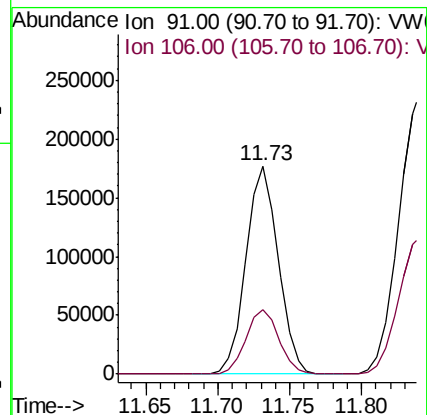
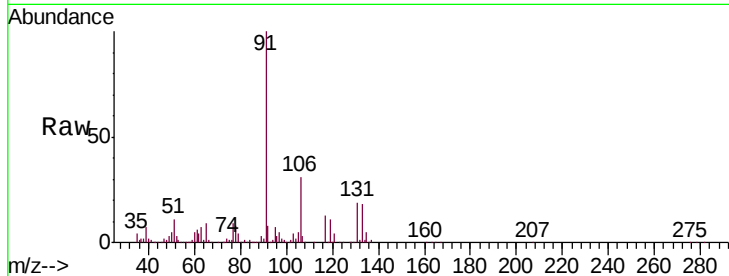
VW0302SBS01

Tgt Ion: 91 Resp: 274503

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6



#68

m/p-Xylenes

Concen: 42.410 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008939.D

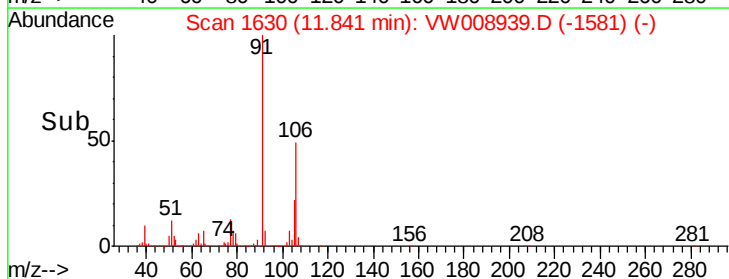
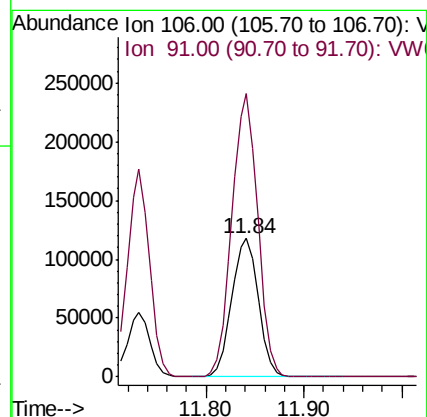
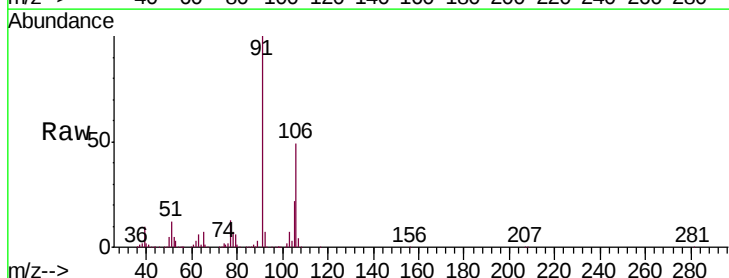
Acq: 02 Mar 2019 00:38

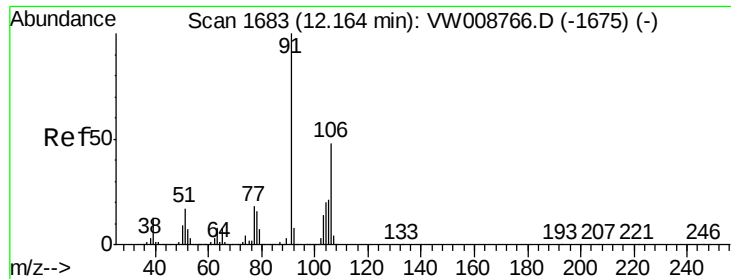
Tgt Ion: 106 Resp: 222070

Ion Ratio Lower Upper

106 100

91 199.0 161.5 242.3

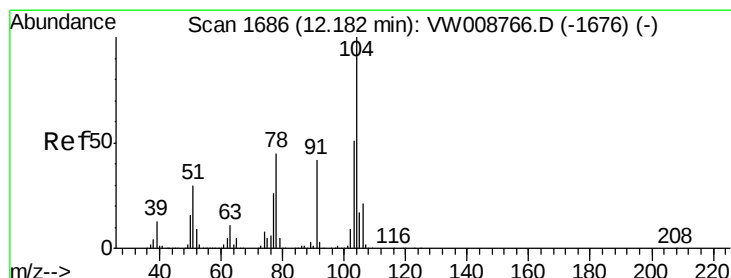
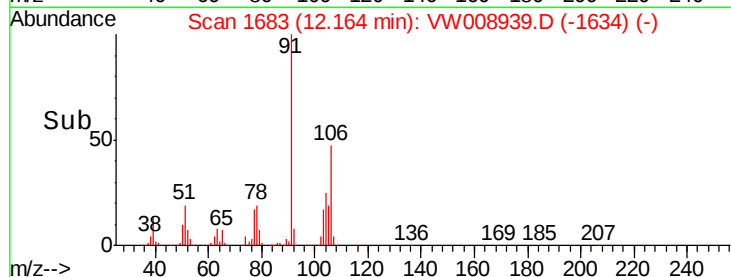
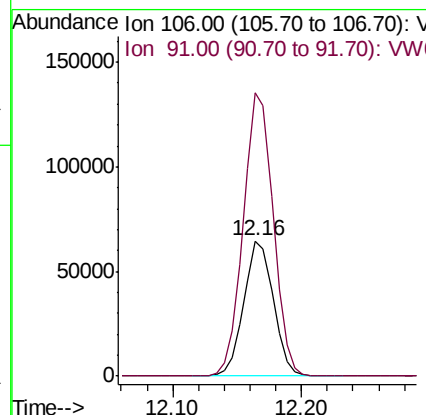
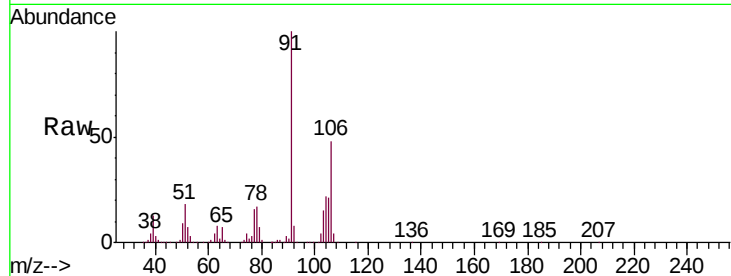




#69
o-Xylene
Concen: 20.852 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

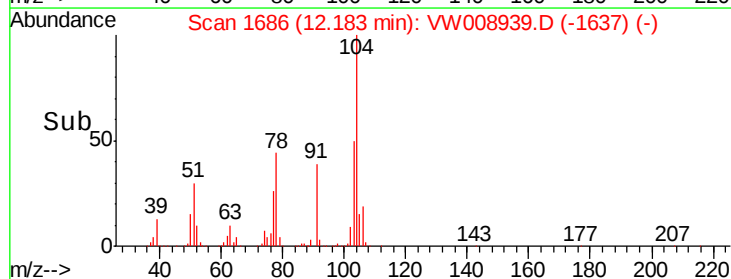
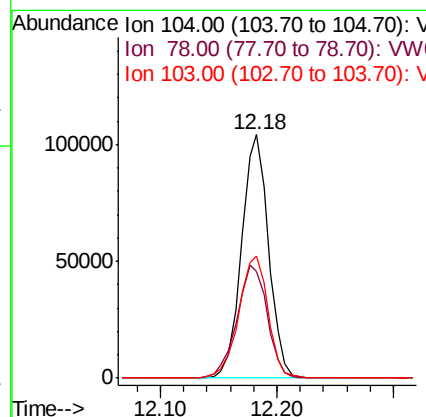
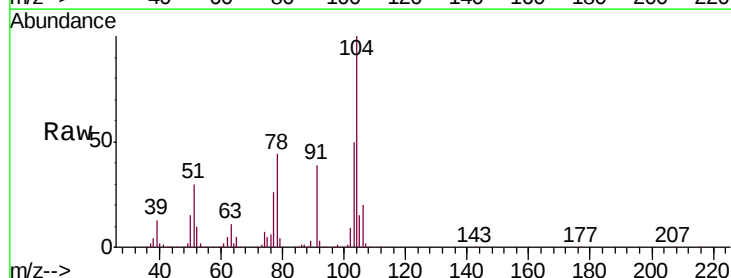
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

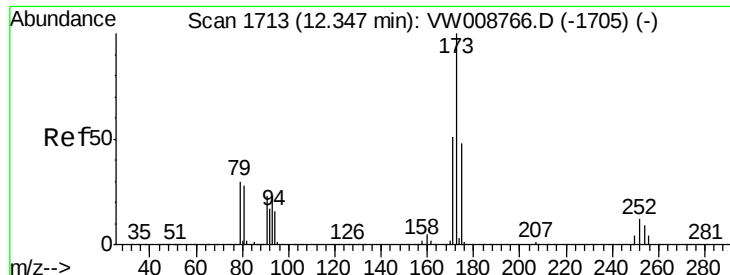
Tgt Ion:106 Resp: 102481
Ion Ratio Lower Upper
106 100
91 212.5 106.2 318.6



#70
Styrene
Concen: 21.337 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion:104 Resp: 168715
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 54.4 44.2 66.2

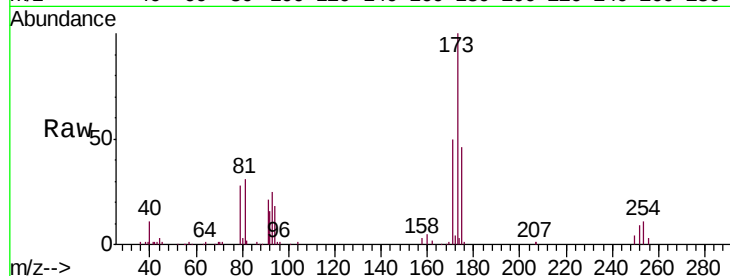




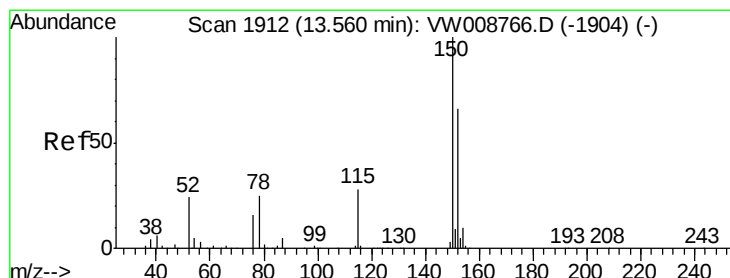
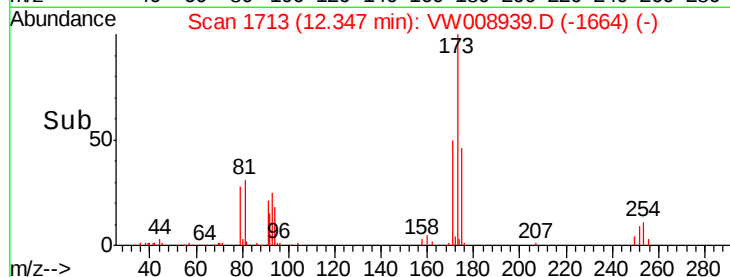
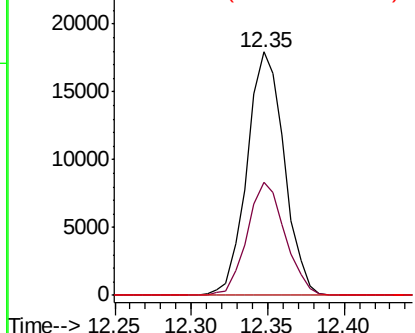
#71
Bromoform
Concen: 22.764 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tgt Ion:173 Resp: 30331
Ion Ratio Lower Upper
173 100
175 47.1 24.2 72.6
254 0.0 0.2 0.4#

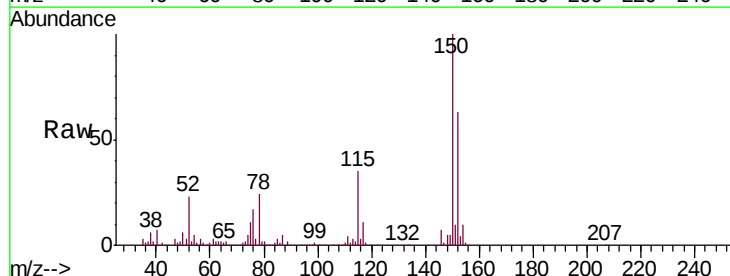


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

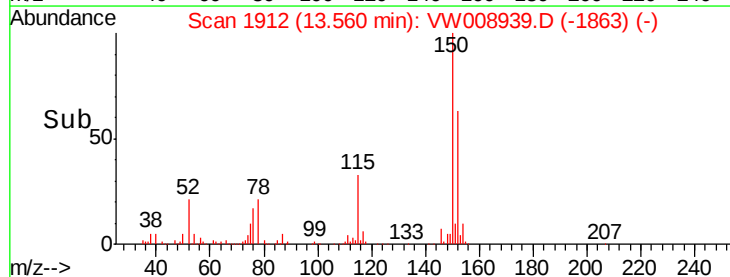
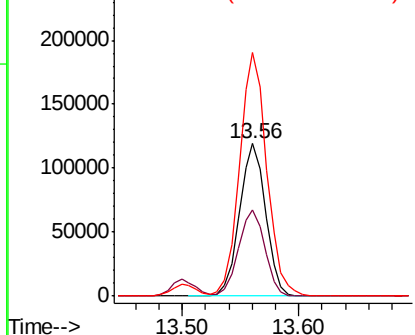


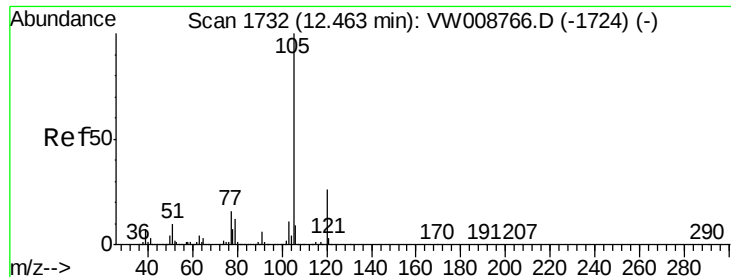
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion:152 Resp: 186556
Ion Ratio Lower Upper
152 100
115 56.9 28.6 85.8
150 165.4 0.0 348.0



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





#73

Isopropylbenzene

Concen: 21.309 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

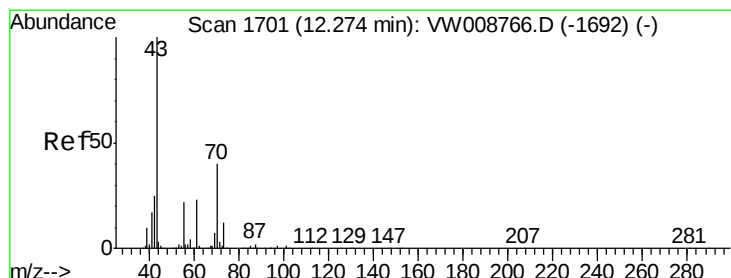
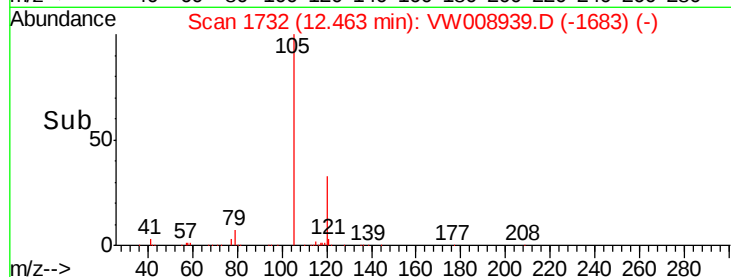
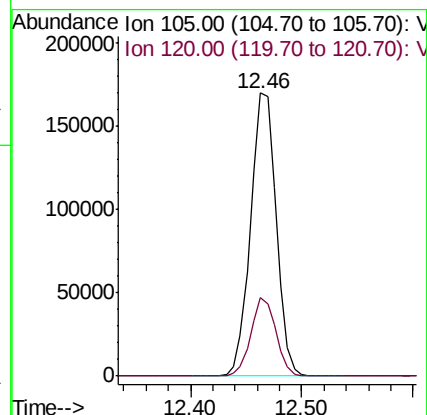
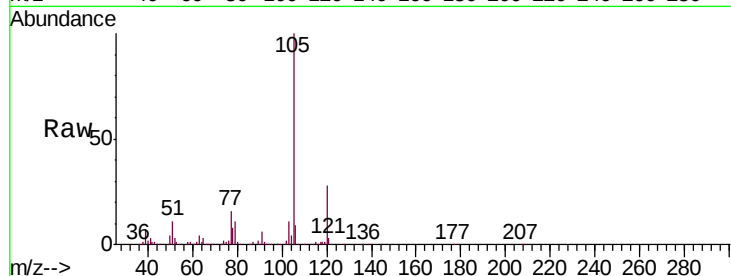
VW0302SBS01

Tgt Ion: 105 Resp: 272520

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



#74

N-ethyl acetate

Concen: 20.627 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion: 43 Resp: 66451

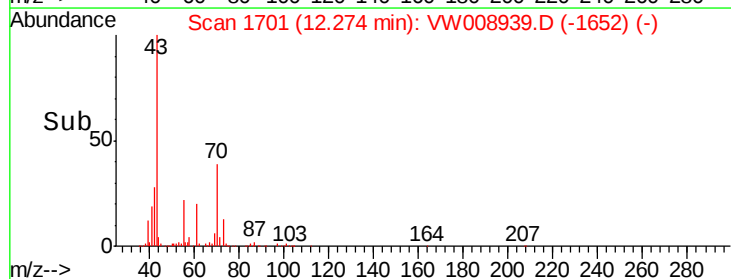
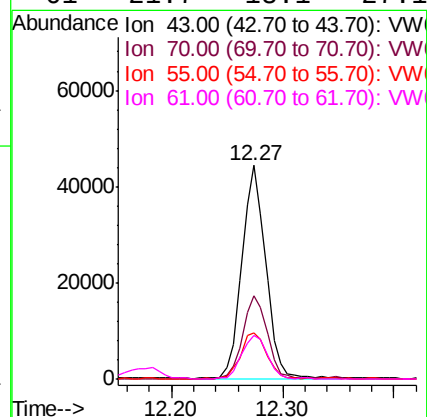
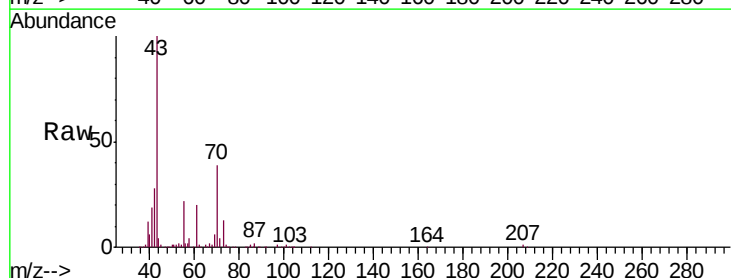
Ion Ratio Lower Upper

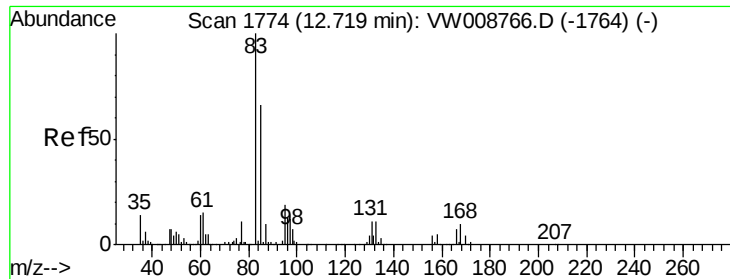
43 100

70 39.5 31.0 46.6

55 23.9 18.7 28.1

61 21.7 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 24.021 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

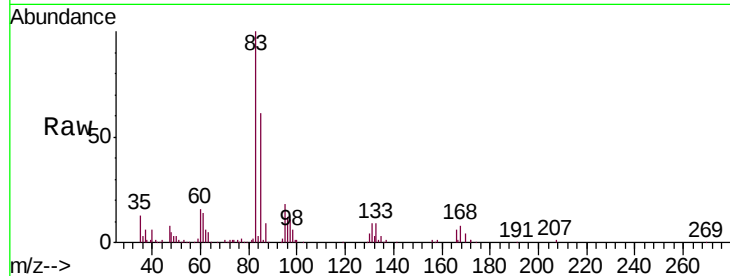
Tgt Ion: 83 Resp: 50197

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.7

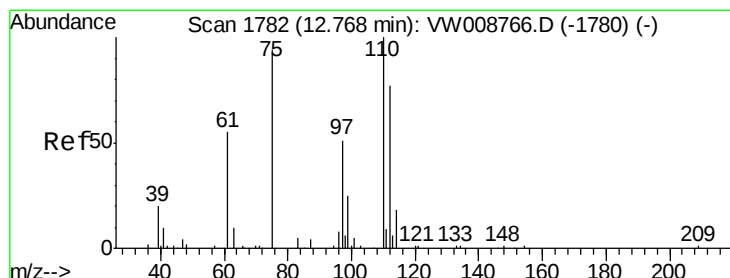
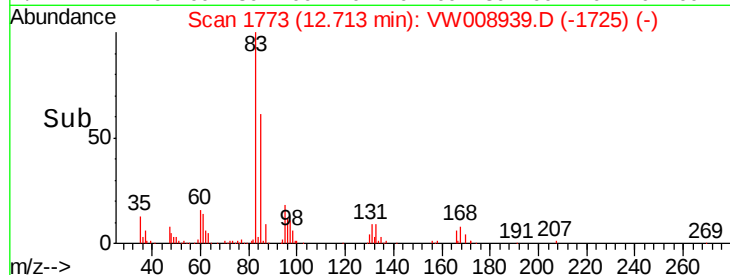
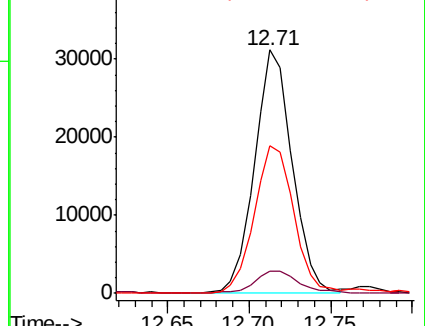
85 63.3 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.498 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008939.D

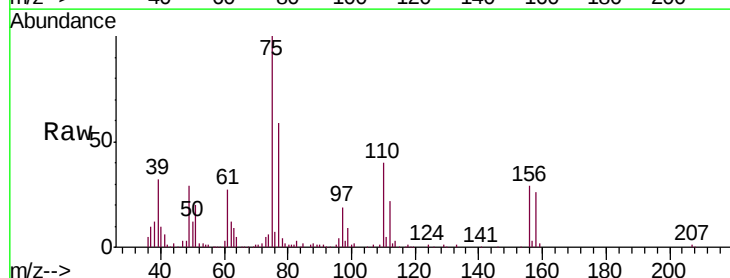
Acq: 02 Mar 2019 00:38

Tgt Ion: 75 Resp: 63918

Ion Ratio Lower Upper

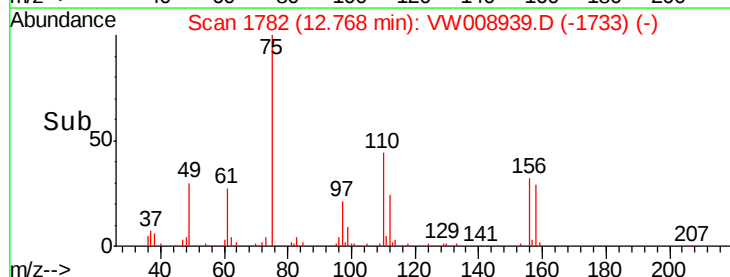
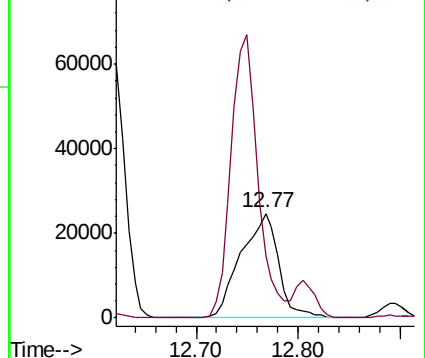
75 100

77 193.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.836 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

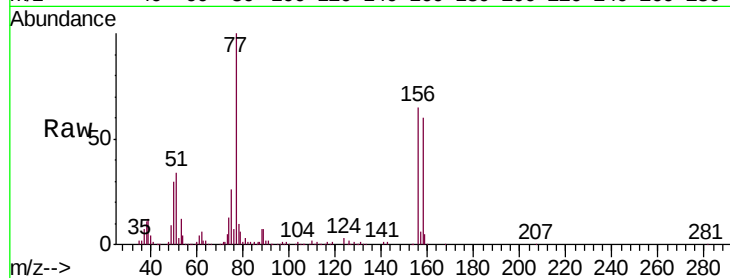
Tgt Ion:156 Resp: 69016

Ion Ratio Lower Upper

156 100

77 178.8 89.1 267.4

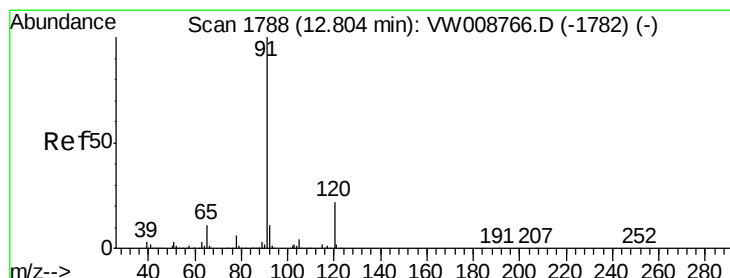
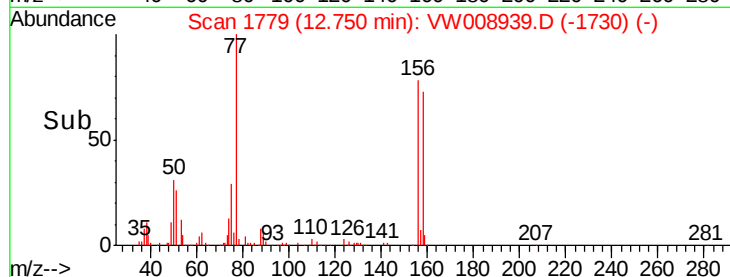
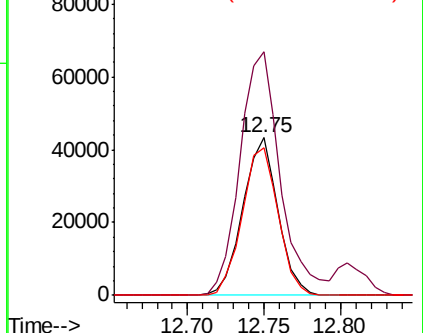
158 96.0 49.2 147.6



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: 21.286 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008939.D

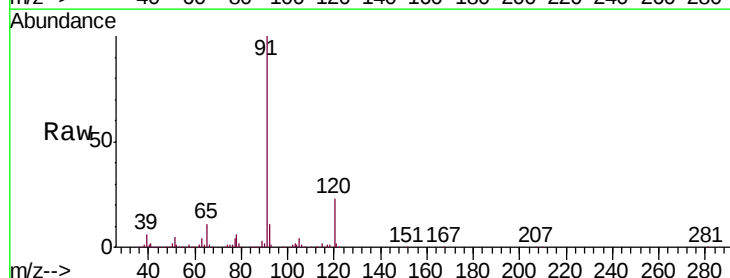
Acq: 02 Mar 2019 00:38

Tgt Ion: 91 Resp: 332999

Ion Ratio Lower Upper

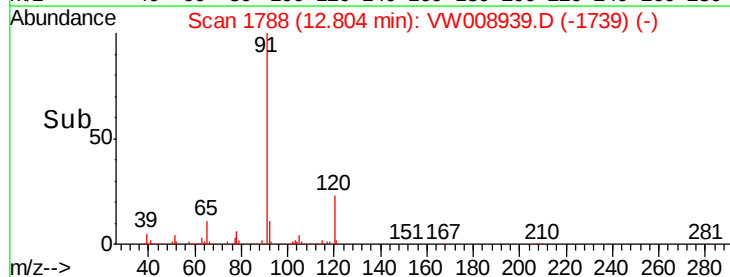
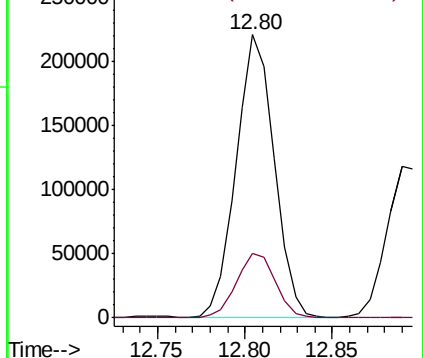
91 100

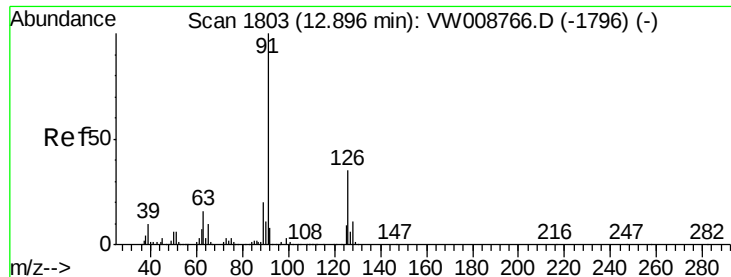
120 23.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.823 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampled :

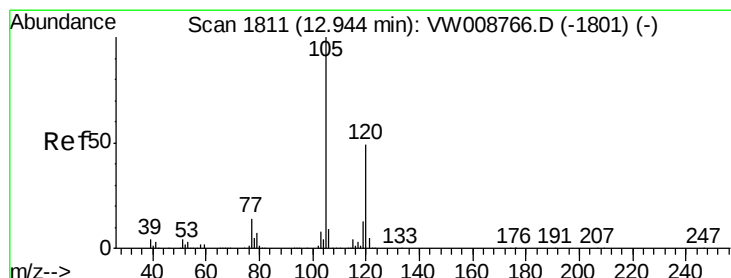
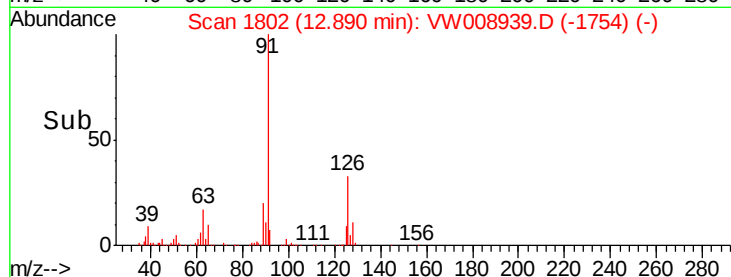
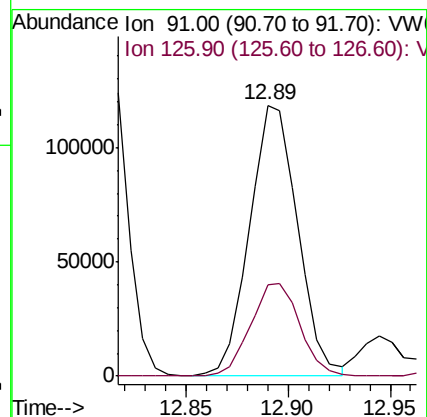
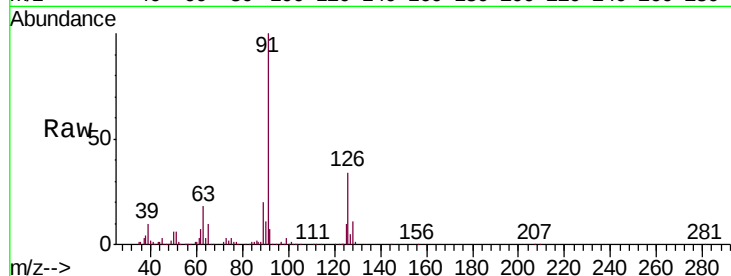
VW0302SBS01

Tgt Ion: 91 Resp: 193831

Ion Ratio Lower Upper

91 100

126 35.1 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.934 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008939.D

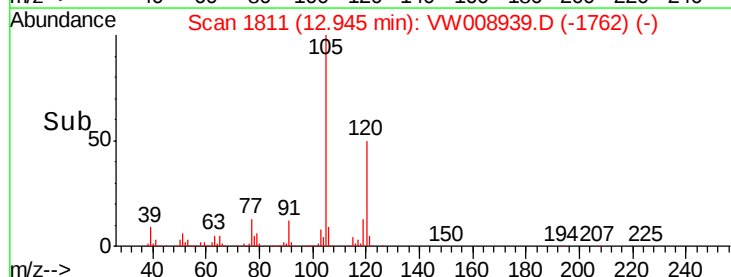
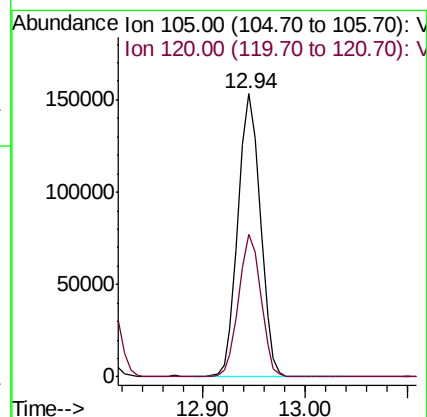
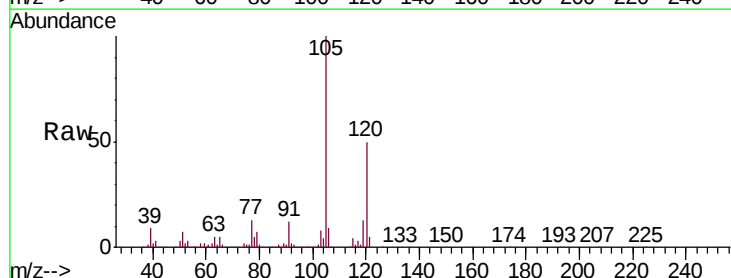
Acq: 02 Mar 2019 00:38

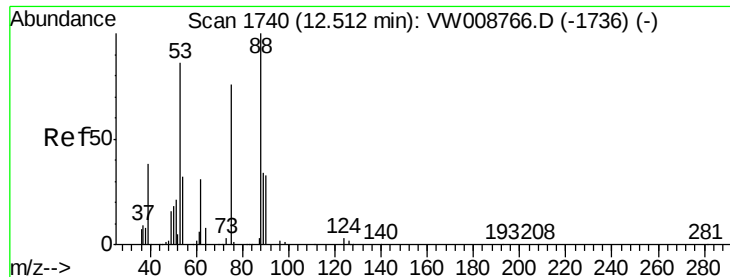
Tgt Ion: 105 Resp: 232659

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.962 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

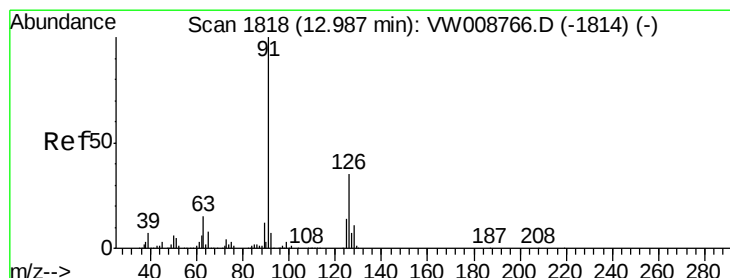
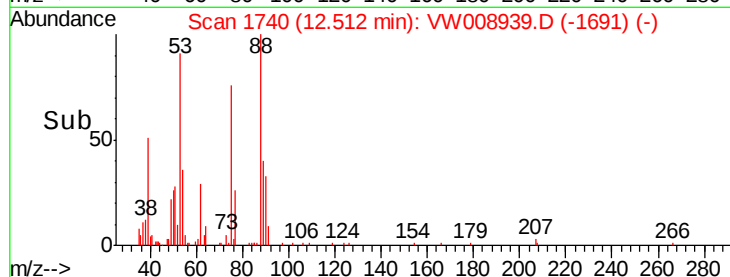
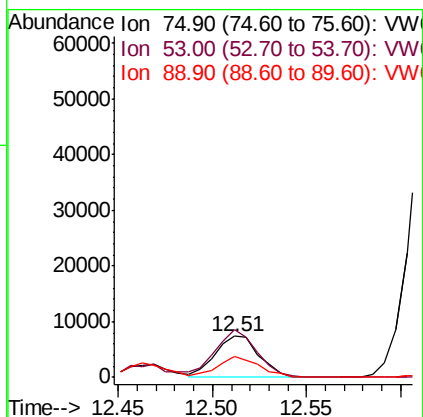
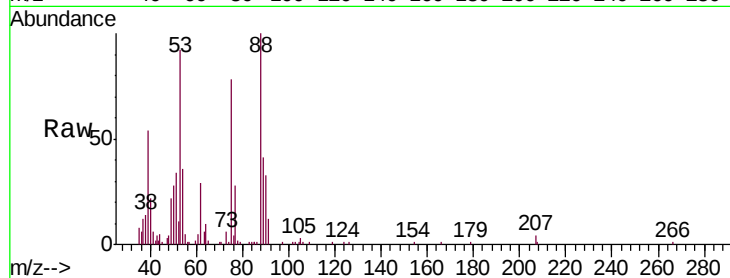
Tgt Ion: 75 Resp: 12014

Ion Ratio Lower Upper

75 100

53 112.7 88.2 132.2

89 49.3 39.5 59.3



#82

4-Chlorotoluene

Concen: 21.590 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW008939.D

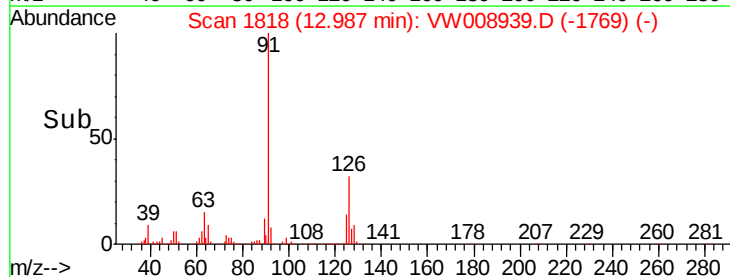
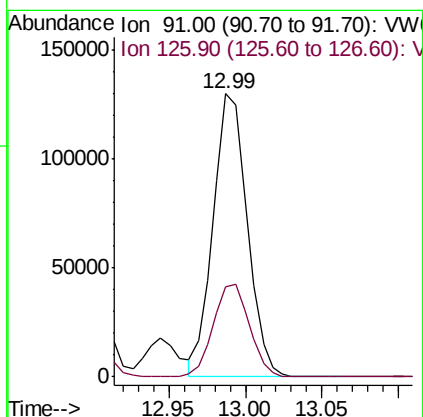
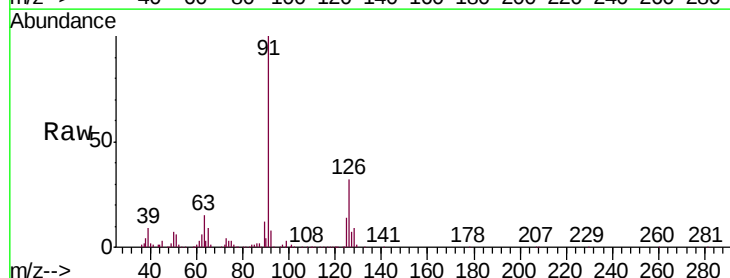
Acq: 02 Mar 2019 00:38

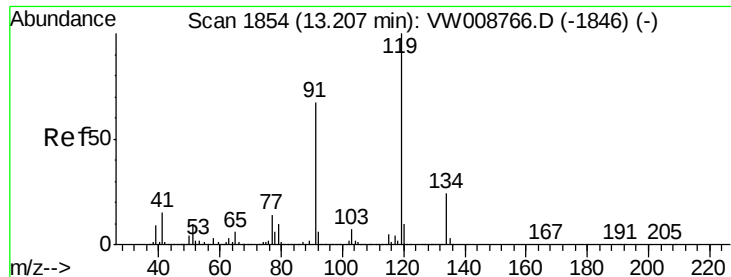
Tgt Ion: 91 Resp: 202077

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6

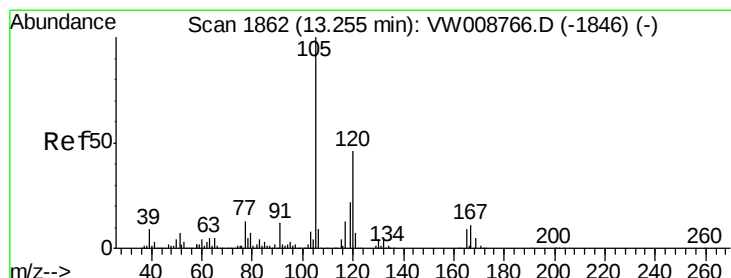
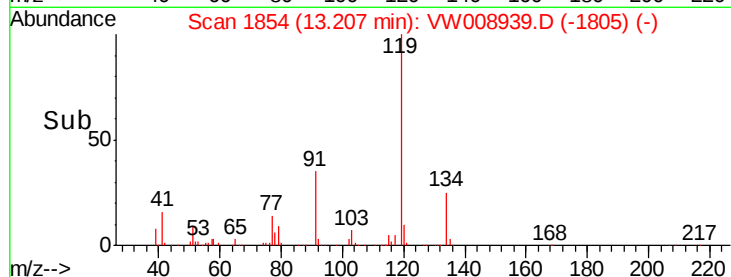
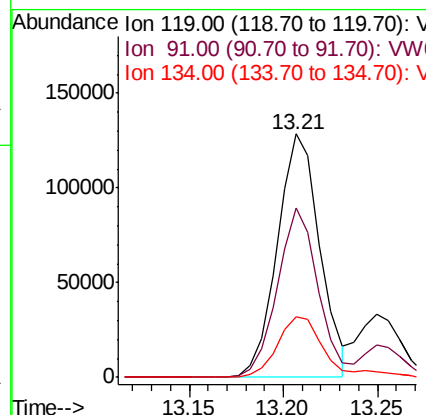
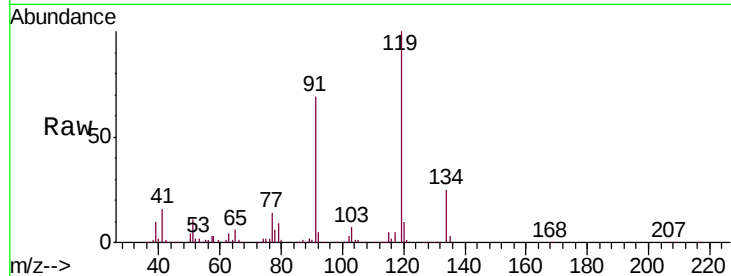




#83
tert-Butylbenzene
Concen: 20.883 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

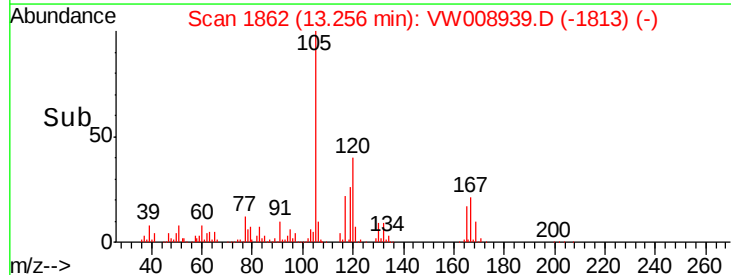
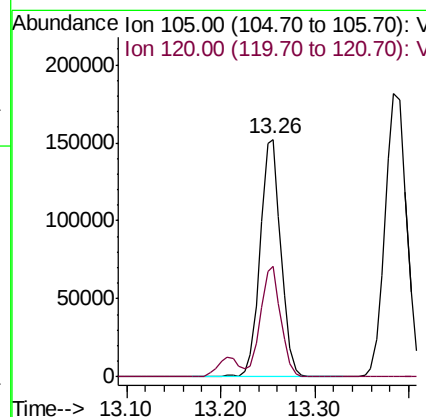
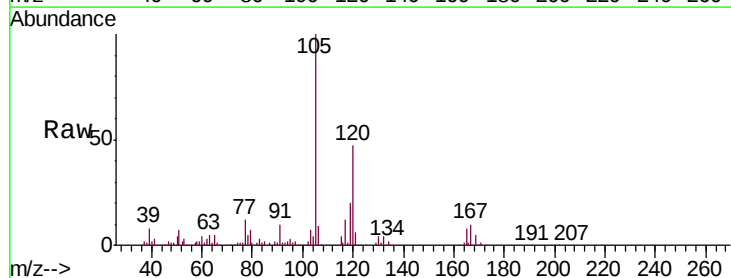
Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

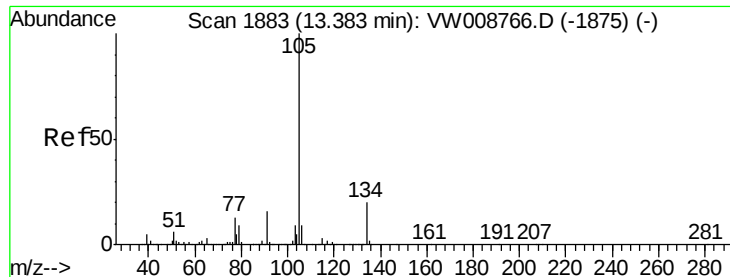
Tgt Ion:119 Resp: 200688
Ion Ratio Lower Upper
119 100
91 67.6 33.6 100.8
134 25.7 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 20.613 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion:105 Resp: 237145
Ion Ratio Lower Upper
105 100
120 45.5 22.8 68.4

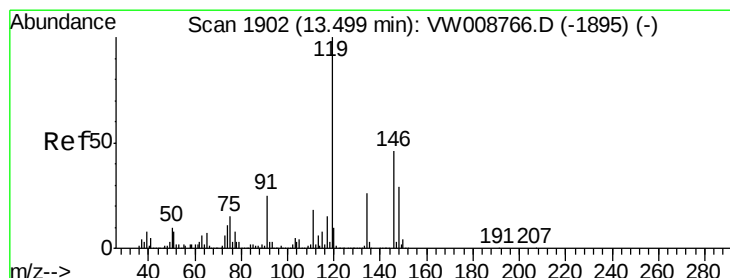
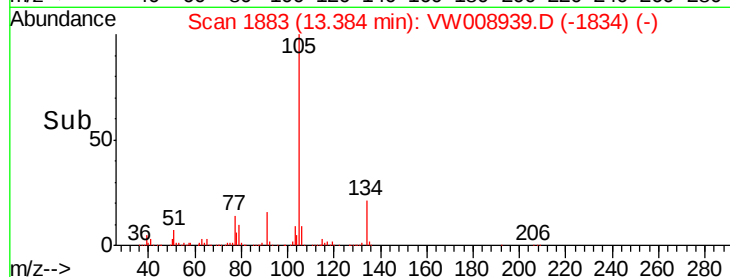
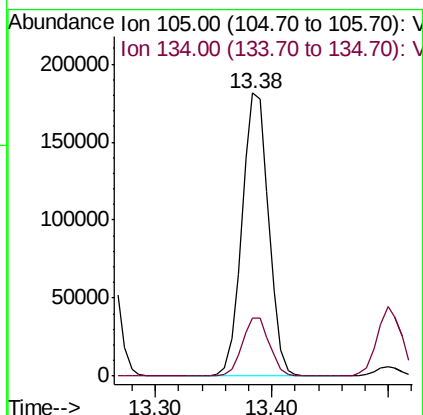
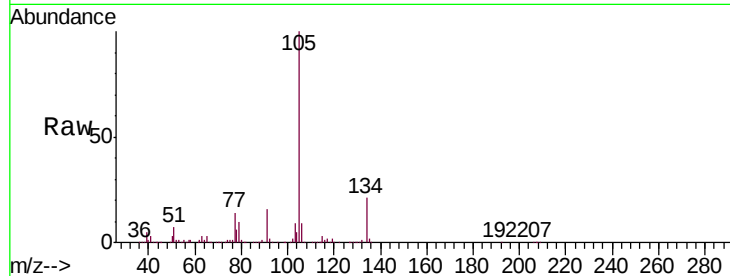




#85
 sec-Butylbenzene
 Concen: 20.916 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

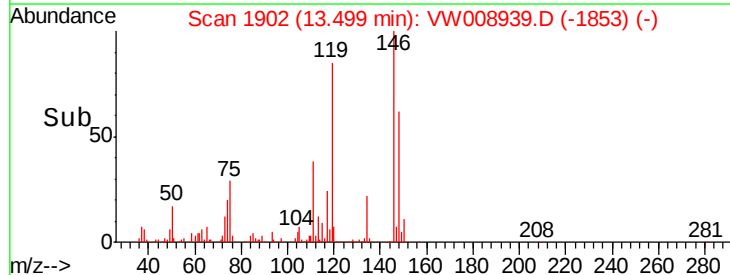
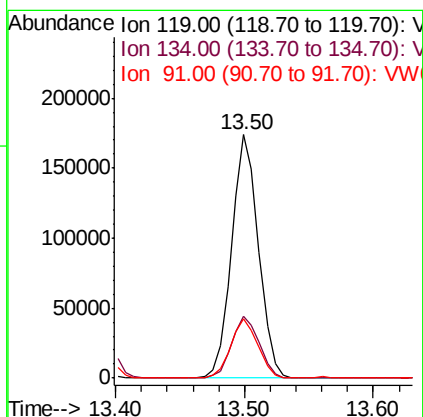
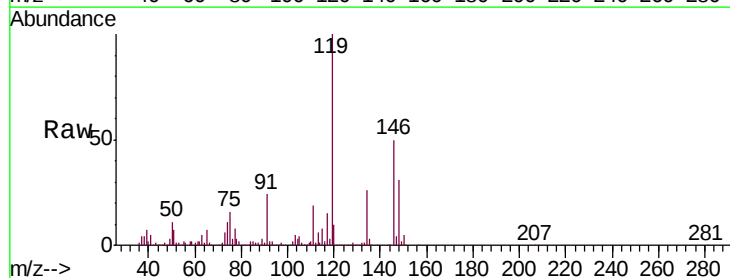
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

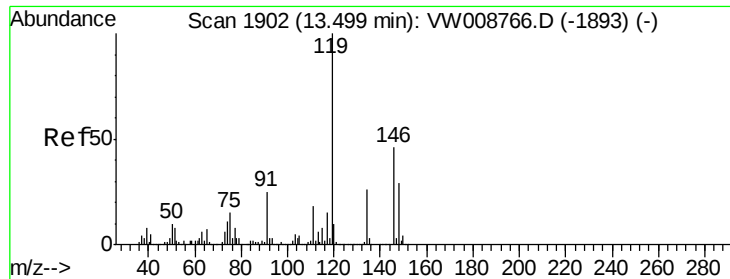
Tgt Ion:105 Resp: 289020
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 19.960 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion:119 Resp: 252839
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 24.4 12.1 36.3

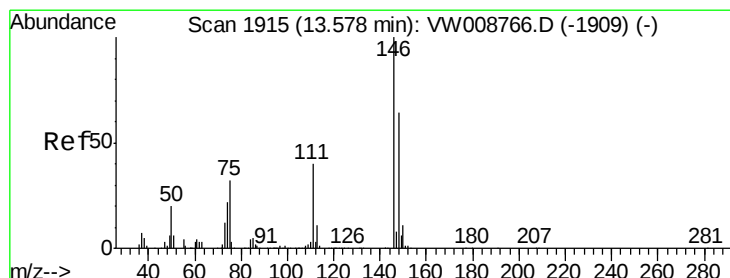
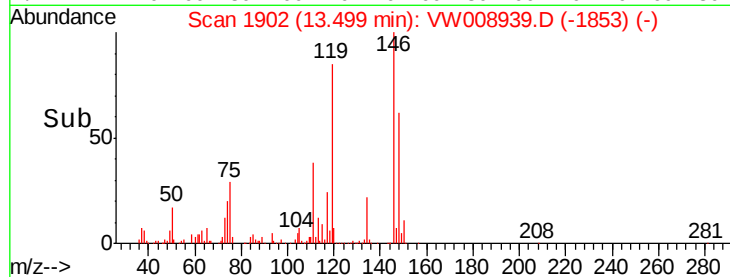
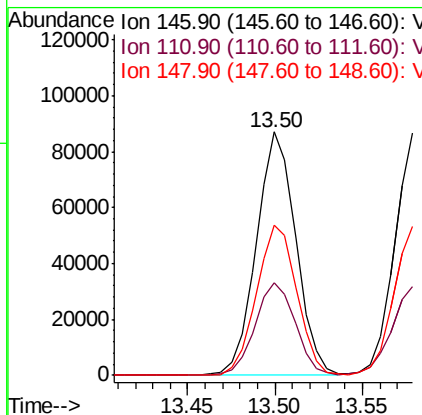
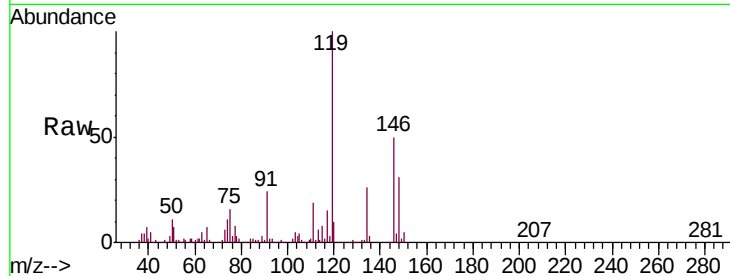




#87
 1,3-Dichlorobenzene
 Concen: 21.730 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

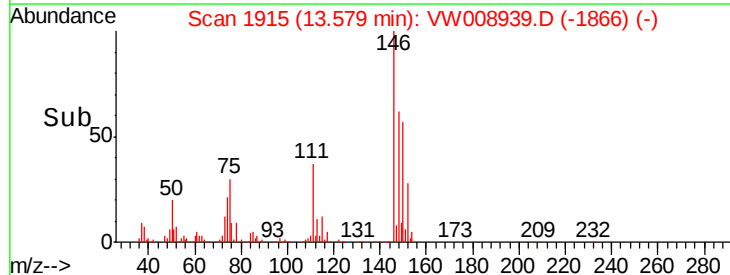
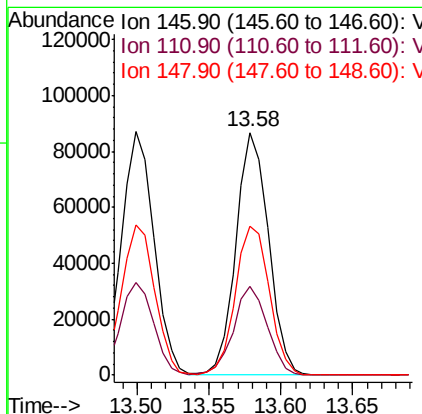
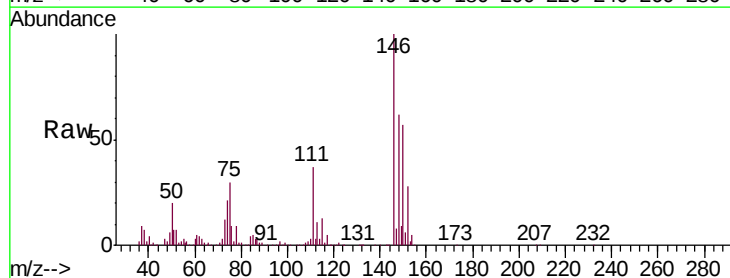
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

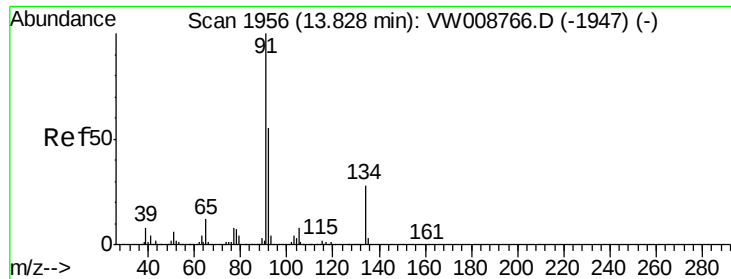
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.7
148	63.2	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 22.064 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 19.067 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

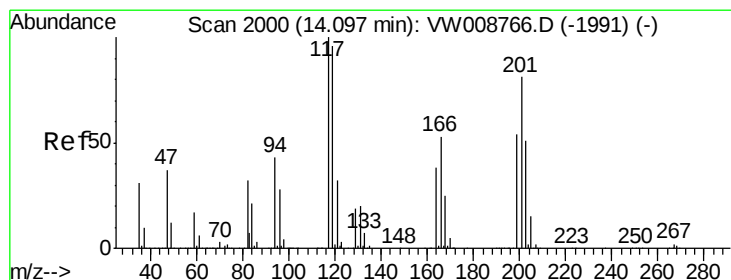
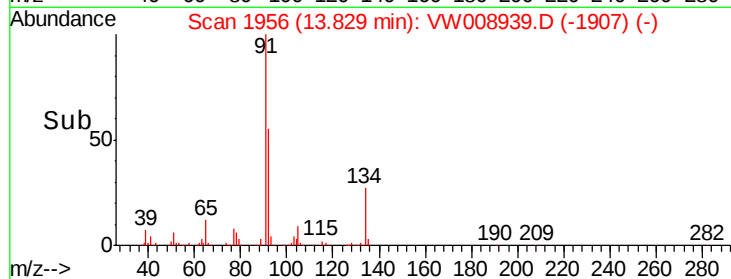
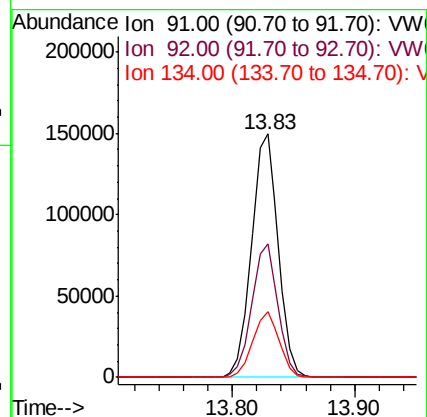
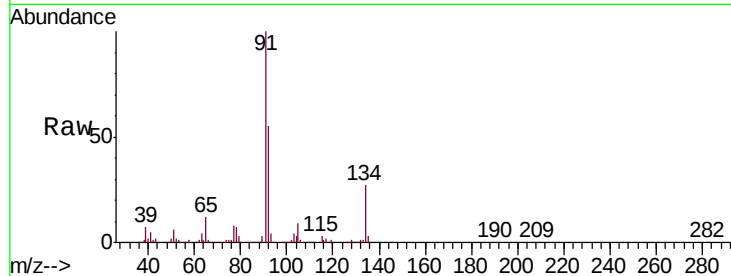
Tgt Ion: 91 Resp: 226279

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.4

134 26.8 13.5 40.4



#90

Hexachloroethane

Concen: 22.013 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008939.D

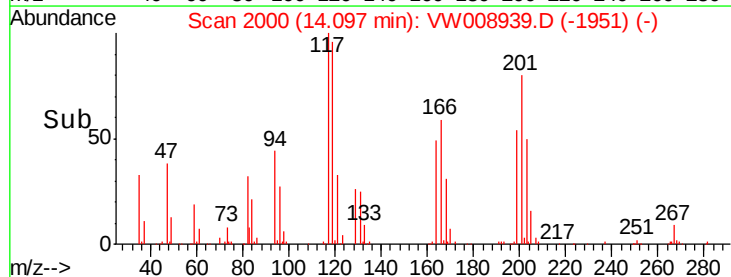
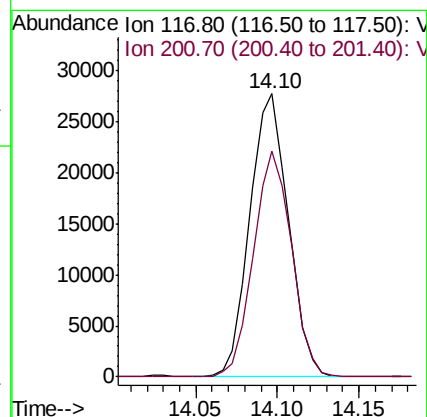
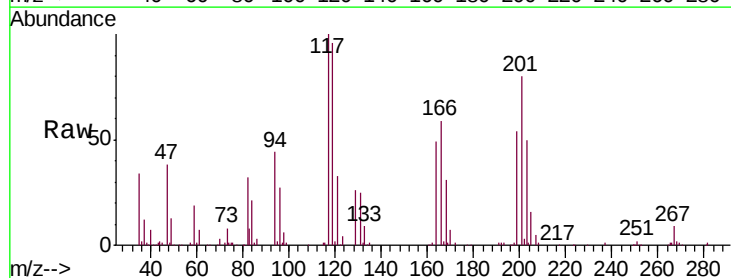
Acq: 02 Mar 2019 00:38

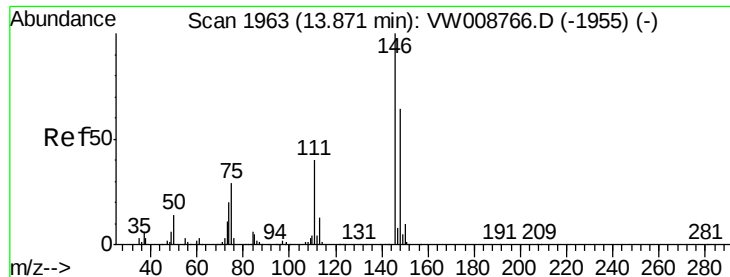
Tgt Ion: 117 Resp: 45650

Ion Ratio Lower Upper

117 100

201 78.6 40.3 120.8

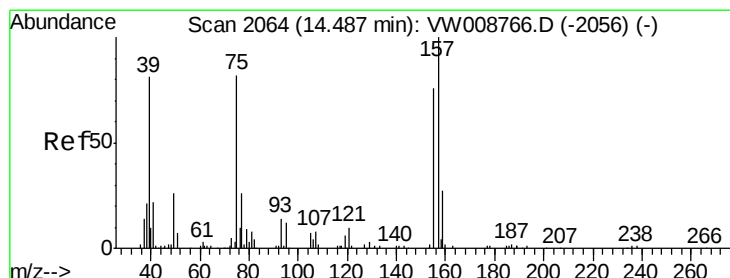
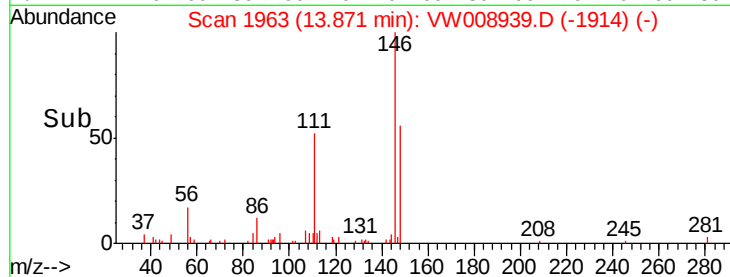
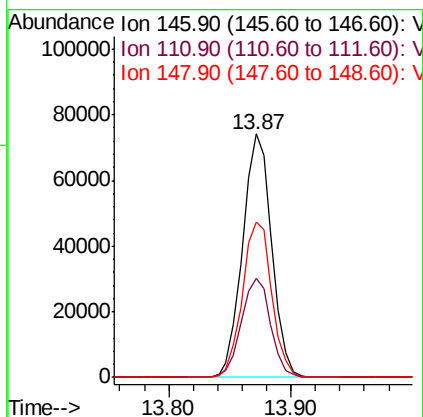
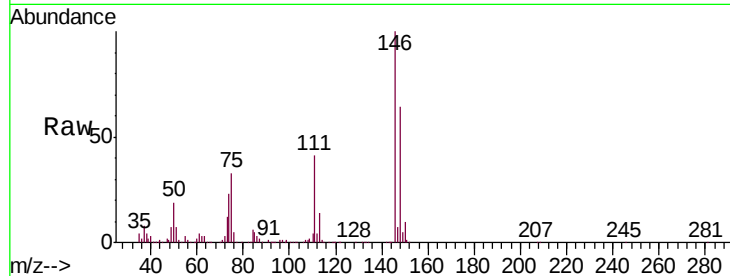




#91
 1,2-Dichlorobenzene
 Concen: 21.857 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

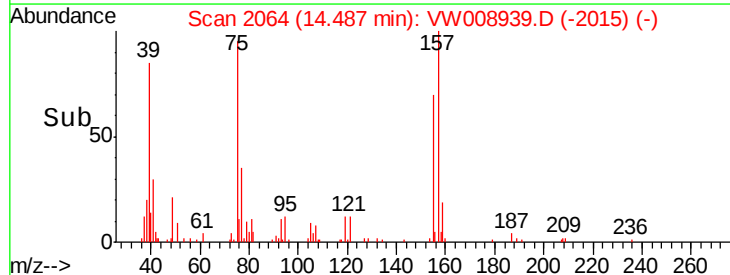
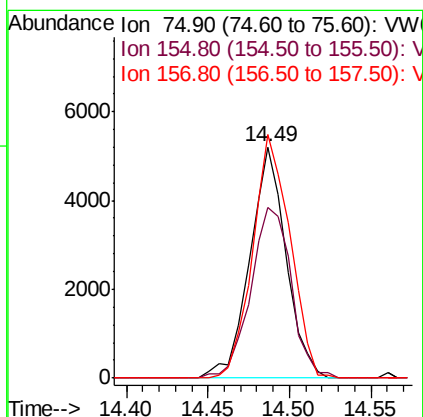
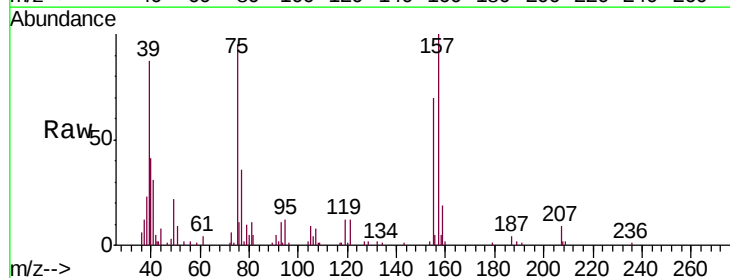
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

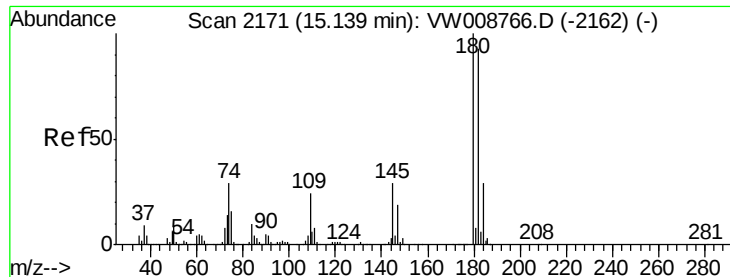
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.2	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.285 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.8	125.4
157	108.5	56.6	169.9

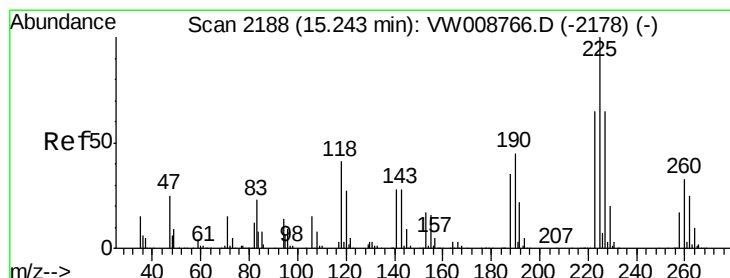
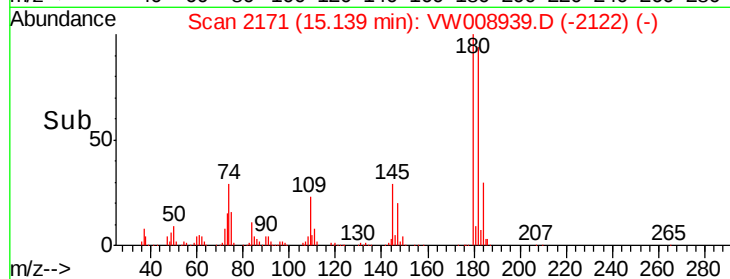
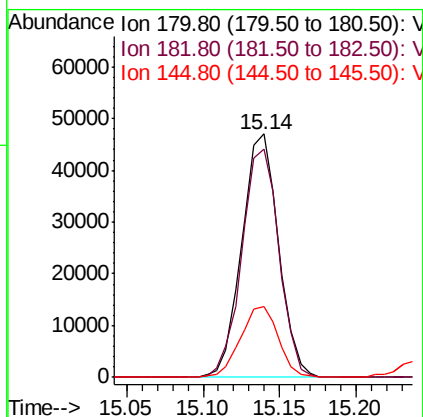
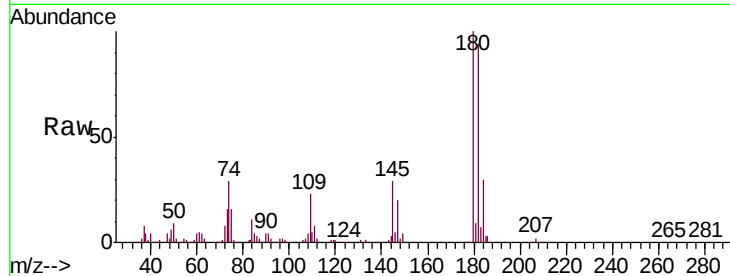




#93
 1,2,4-Trichlorobenzene
 Concen: 19.480 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

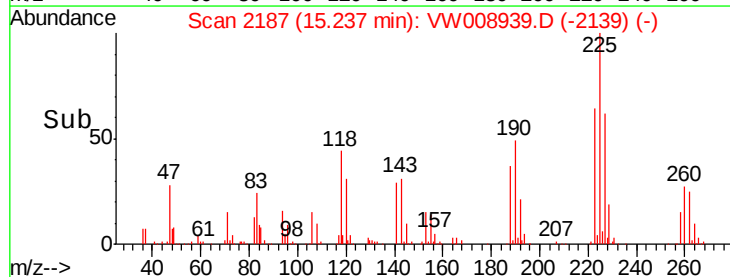
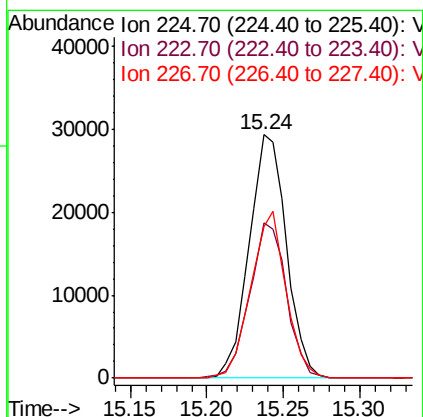
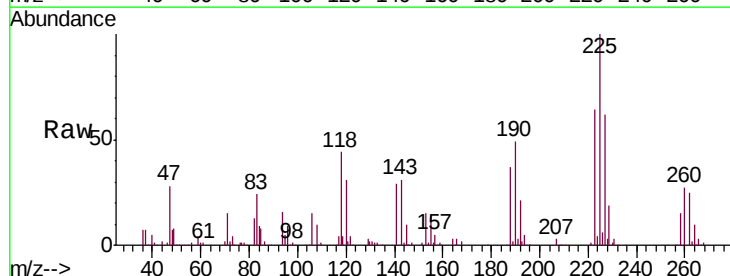
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

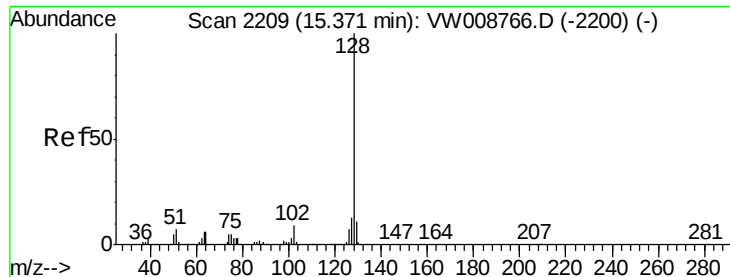
Tgt Ion:180 Resp: 78417
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.2 141.6
 145 29.9 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.009 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion:225 Resp: 49817
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.5 94.5
 227 64.6 31.6 94.8

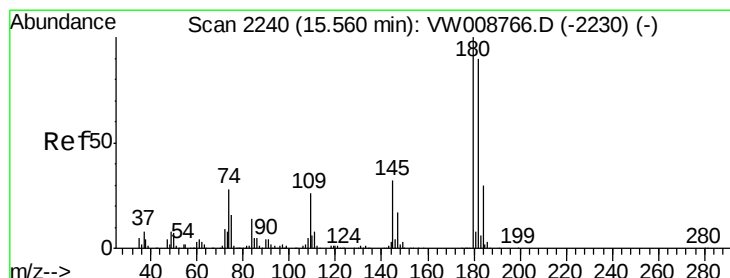
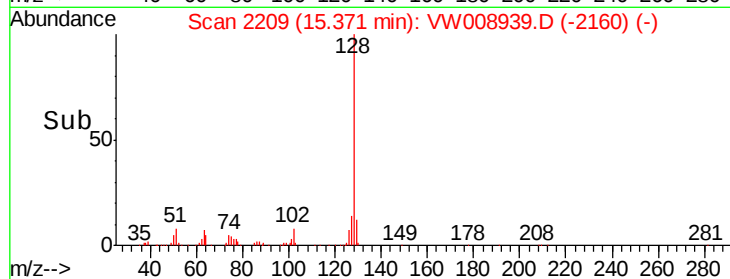
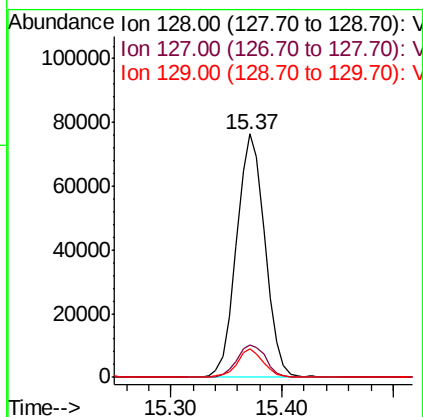
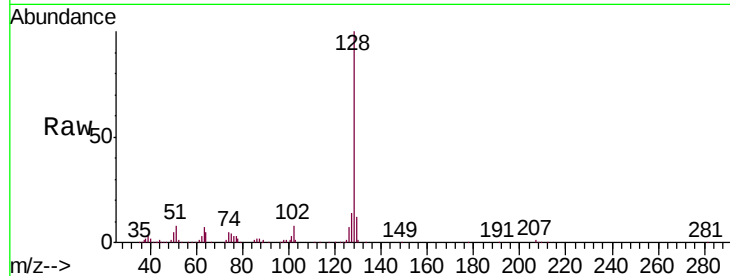




#95
Naphthalene
Concen: 19.665 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tgt Ion:128 Resp: 134781
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.652 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion:180 Resp: 71881
Ion Ratio Lower Upper
180 100
182 93.6 46.9 140.8
145 30.0 15.9 47.6

