

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013401.D
 Acq On : 03 Oct 2019 03:18
 Operator : SY/VA
 Sample : VW1002SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 08:04:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	168524	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	118588	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	114002	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
50) Toluene-d8	10.32	98	482700	58.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.64%	
62) 4-Bromofluorobenzene	12.61	95	161331	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	26683	24.744	ug/l	91
3) Chloromethane	2.20	50	37187	20.898	ug/l	98
4) Vinyl Chloride	2.35	62	53909	21.347	ug/l	100
5) Bromomethane	2.76	94	29678	19.128	ug/l	96
6) Chloroethane	2.91	64	27010	18.522	ug/l	97
7) Trichlorofluoromethane	3.24	101	19524	17.820	ug/l	94
8) Diethyl Ether	3.68	74	25289	19.942	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54791	22.556	ug/l	98
10) Methyl Iodide	4.27	142	75484	19.242	ug/l	99
11) Tert butyl alcohol	5.18	59	31093	175.508	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	52588	20.490	ug/l	92
13) Acrolein	3.89	56	21951	110.458	ug/l	99
14) Allyl chloride	4.66	41	70566	18.587	ug/l	98
15) Acrylonitrile	5.37	53	70398	122.801	ug/l	98
16) Acetone	4.12	43	56910	89.189	ug/l	97
17) Carbon Disulfide	4.38	76	144008	20.114	ug/l	99
18) Methyl Acetate	4.67	43	42446	28.421	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	79355	21.008	ug/l	98
20) Methylene Chloride	4.92	84	56322	20.072	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	54252	19.850	ug/l	89
22) Diisopropyl ether	6.31	45	144179	19.665	ug/l	99
23) Vinyl Acetate	6.25	43	445953	101.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87725	19.644	ug/l	99
25) 2-Butanone	7.17	43	92267	113.007	ug/l	97
26) 2,2-Dichloropropane	7.16	77	49165	17.964	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	56204	19.646	ug/l	97
28) Bromochloromethane	7.51	49	30293	18.761	ug/l	96
29) Tetrahydrofuran	7.53	42	62079	135.347	ug/l	97
30) Chloroform	7.67	83	85085	19.430	ug/l	98
31) Cyclohexane	7.95	56	100109	21.020	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	72481	21.128	ug/l	98
36) 1,1-Dichloropropene	8.08	75	77172	21.860	ug/l	99
37) Ethyl Acetate	7.25	43	40671	26.175	ug/l	97
38) Carbon Tetrachloride	8.06	117	67048	21.925	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	104484	22.473	ug/l	99
40) Benzene	8.32	78	207949	20.808	ug/l	98
41) Methacrylonitrile	7.48	41	24076	25.628	ug/l	95
42) 1,2-Dichloroethane	8.40	62	55316	21.536	ug/l	97
43) Isopropyl Acetate	8.42	43	69668	23.758	ug/l	99
44) Trichloroethene	9.09	130	58850	20.912	ug/l	100
45) 1,2-Dichloropropane	9.37	63	49753	20.735	ug/l	99
46) Dibromomethane	9.46	93	26382	22.074	ug/l	97
47) Bromodichloromethane	9.64	83	60372	20.520	ug/l	100
48) Methyl methacrylate	9.43	41	36396	25.831	ug/l	95
49) 1,4-Dioxane	9.45	88	11829	634.187	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	198926	129.114	ug/l	99
52) Toluene	10.38	92	133388	20.694	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61413	20.068	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	73500	19.809	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40539	22.738	ug/l	97
56) Ethyl methacrylate	10.65	69	55415	23.092	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68982	22.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	128307	130.161	ug/l	98
59) 2-Hexanone	10.97	43	135607	126.984	ug/l	99
60) Dibromochloromethane	11.13	129	44218	21.679	ug/l	96
61) 1,2-Dibromoethane	11.23	107	38503	22.349	ug/l	99
64) Tetrachloroethene	10.86	164	60422	24.298	ug/l	97
65) Chlorobenzene	11.66	112	138012	20.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47098	20.650	ug/l	98
67) Ethyl Benzene	11.73	91	252813	21.065	ug/l	97
68) m/p-Xylenes	11.83	106	194771	42.044	ug/l	99
69) o-Xylene	12.16	106	88800	20.732	ug/l	96
70) Styrene	12.18	104	149856	20.467	ug/l	99
71) Bromoform	12.35	173	27976	22.624	ug/l #	99
73) Isopropylbenzene	12.46	105	258213	20.947	ug/l	100
74) N-amyl acetate	12.27	43	59479	22.672	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49121	23.543	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	62143	41.490	ug/l #	100
77) Bromobenzene	12.74	156	58469	19.753	ug/l	97
78) n-propylbenzene	12.80	91	295210	20.819	ug/l	99
79) 2-Chlorotoluene	12.89	91	162064	20.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	213218	20.822	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14132	22.579	ug/l	98
82) 4-Chlorotoluene	12.99	91	165766	20.093	ug/l	100
83) tert-Butylbenzene	13.21	119	191450	21.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	206551	20.290	ug/l	99
85) sec-Butylbenzene	13.38	105	266997	21.651	ug/l	100
86) p-Isopropyltoluene	13.50	119	242882	21.252	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112642	20.227	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109390	19.619	ug/l	97
89) n-Butylbenzene	13.82	91	215831	20.947	ug/l	100
90) Hexachloroethane	14.09	117	38443	20.360	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	101245	20.566	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8237	26.394	ug/l	95

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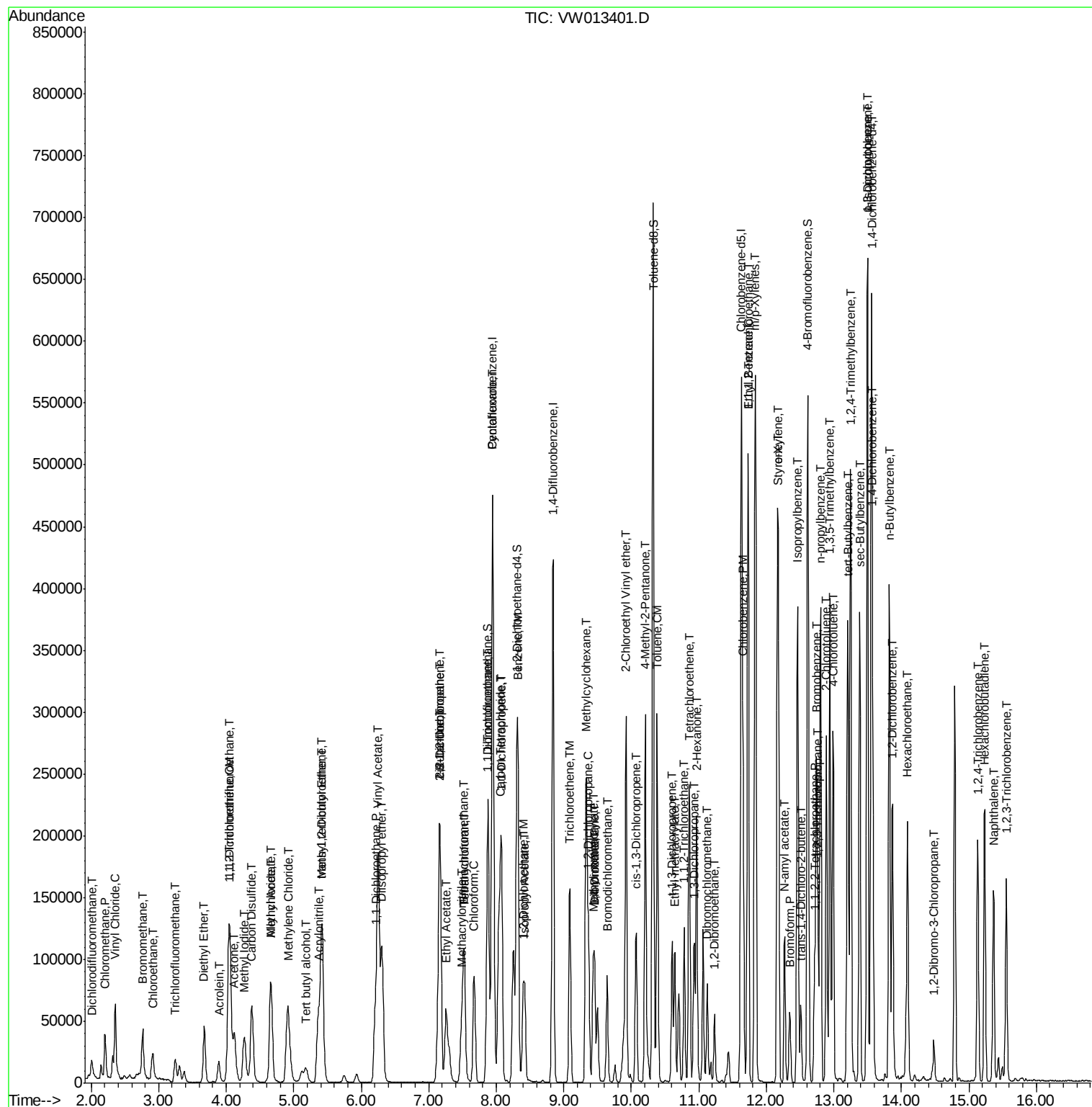
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69084	19.554	ug/l	98
94) Hexachlorobutadiene	15.24	225	49379	21.516	ug/l	97
95) Naphthalene	15.36	128	138062	23.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62309	20.200	ug/l	99

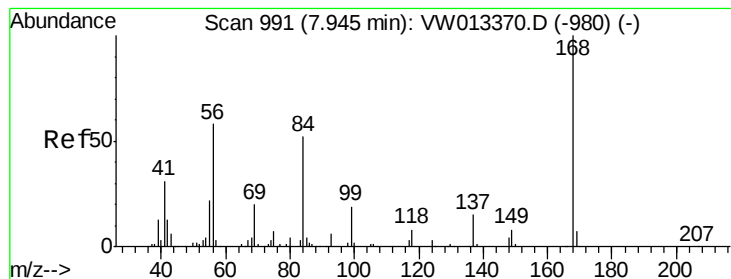
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

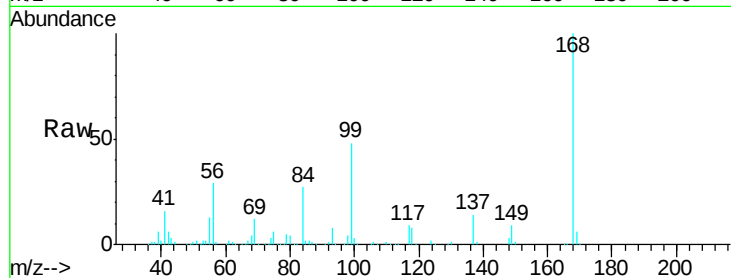
ClientSampled :

Tgt Ion:168 Resp: 278797

Ion Ratio Lower Upper

168 100

99 47.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

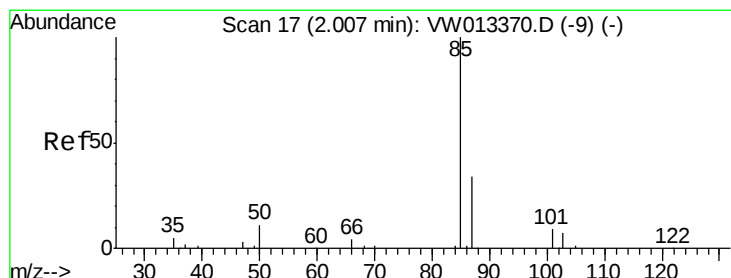
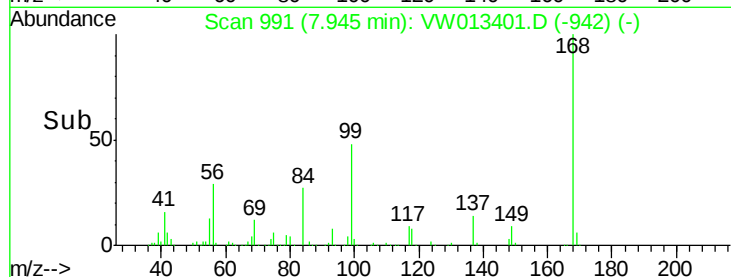
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.744 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013401.D

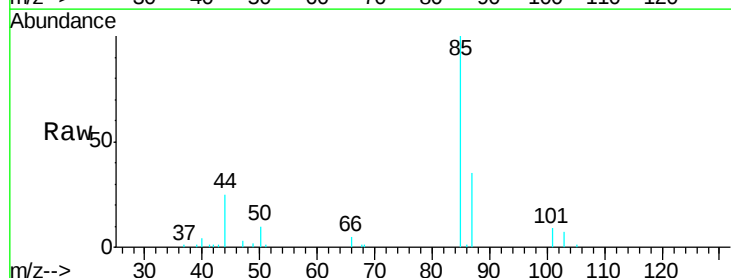
Acq: 03 Oct 2019 03:18

Tgt Ion: 85 Resp: 26683

Ion Ratio Lower Upper

85 100

87 35.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

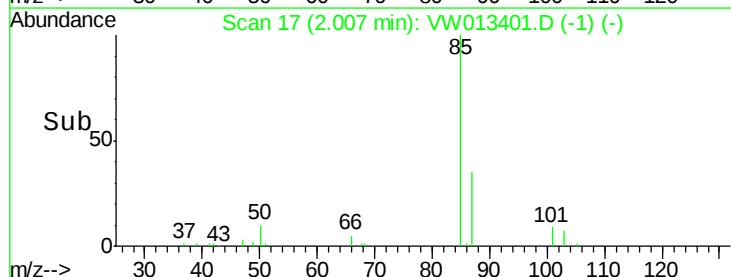
6000

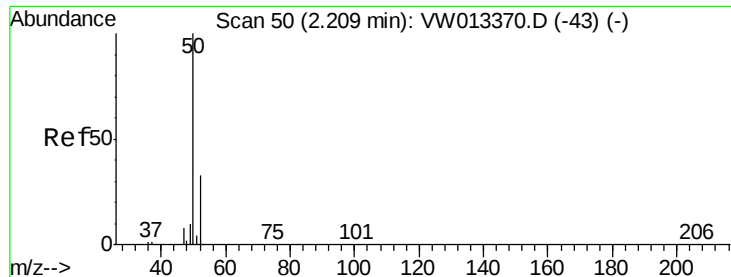
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.898 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

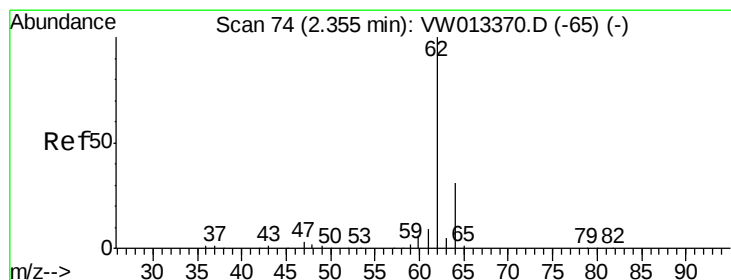
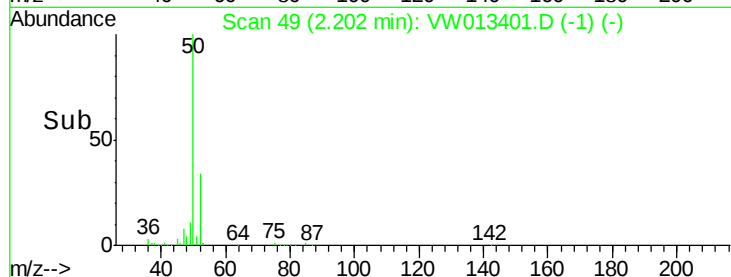
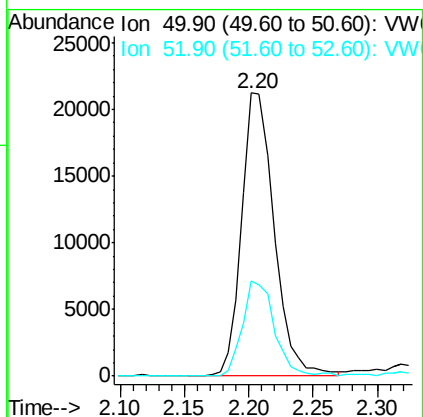
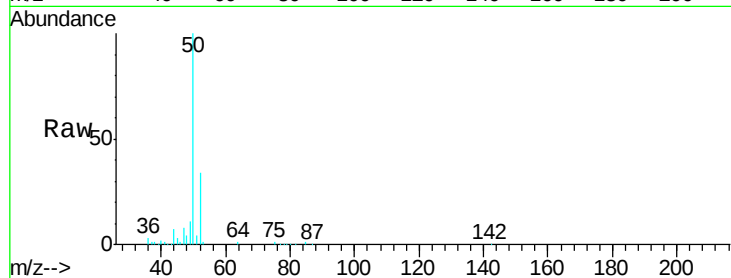
ClientSampleId :

Tgt Ion: 50 Resp: 37187

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



#4

Vinyl Chloride

Concen: 21.347 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013401.D

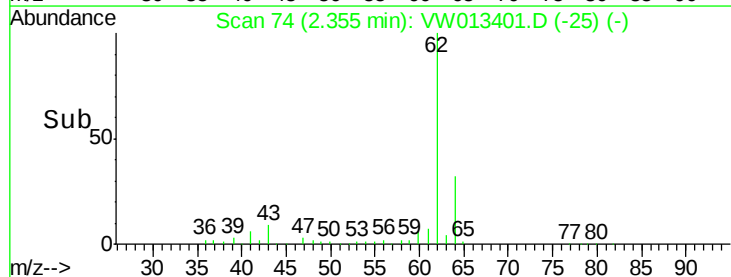
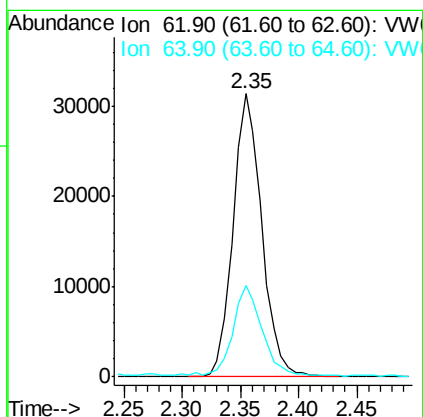
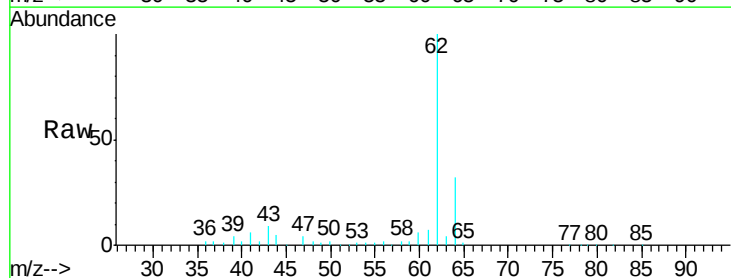
Acq: 03 Oct 2019 03:18

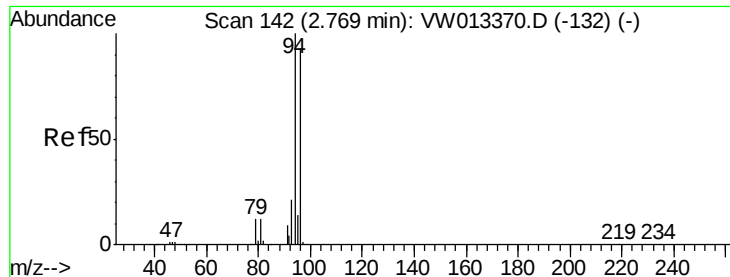
Tgt Ion: 62 Resp: 53909

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 19.128 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

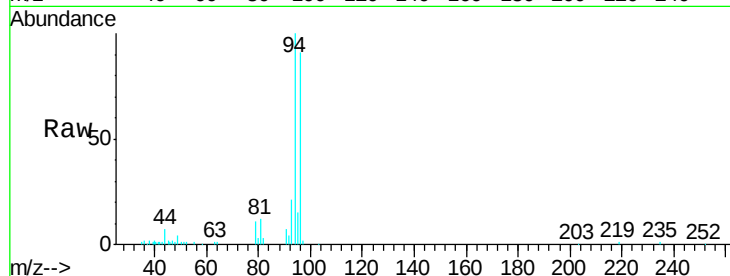
ClientSampleId :

Tgt Ion: 94 Resp: 29678

Ion Ratio Lower Upper

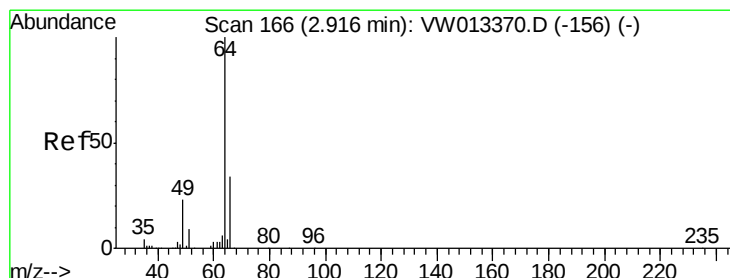
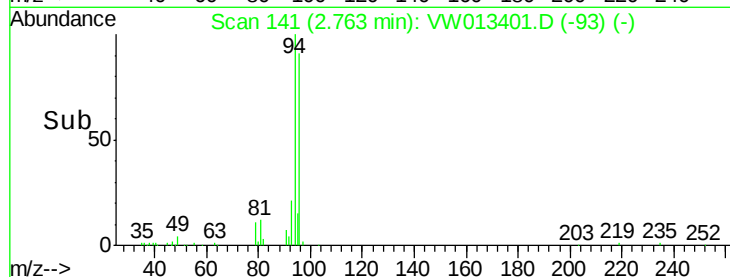
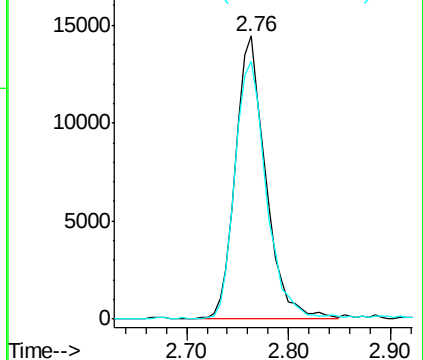
94 100

96 91.2 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.522 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013401.D

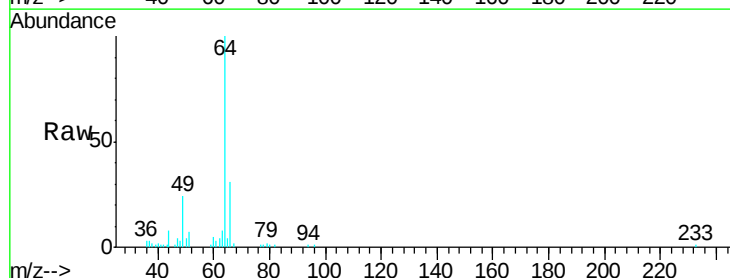
Acq: 03 Oct 2019 03:18

Tgt Ion: 64 Resp: 27010

Ion Ratio Lower Upper

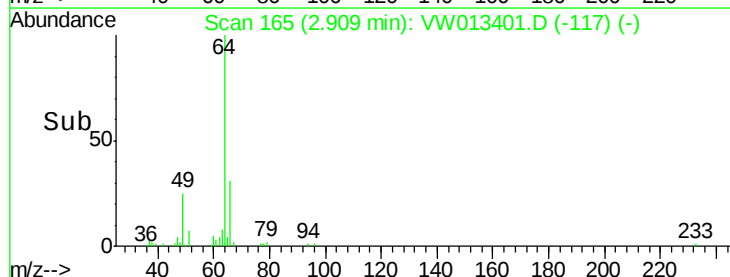
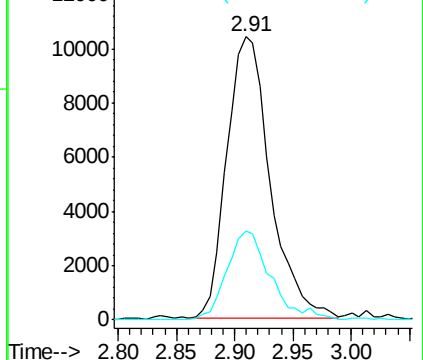
64 100

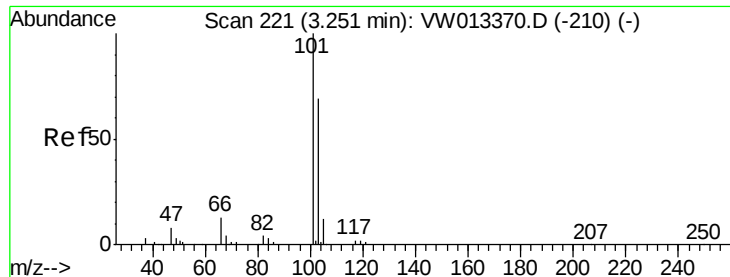
66 31.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



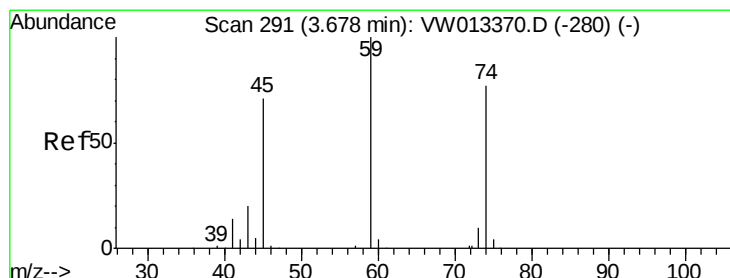
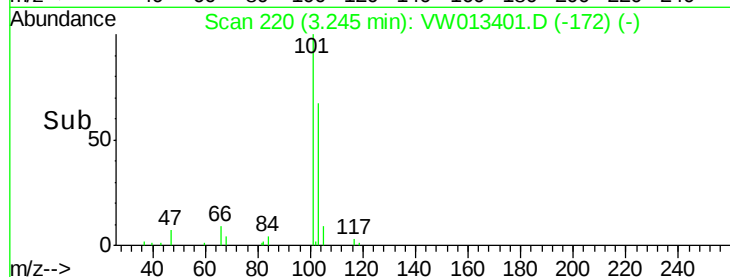
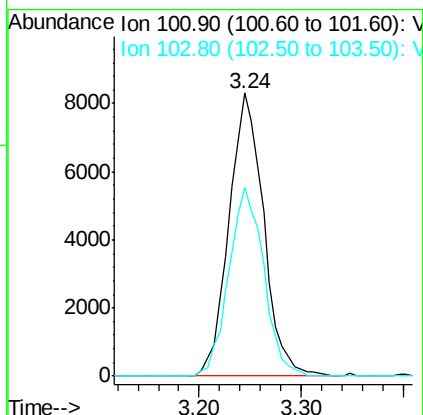
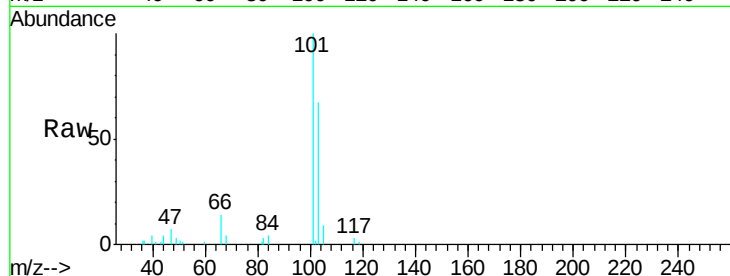


#7

Trichlorofluoromethane
Concen: 17.820 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :

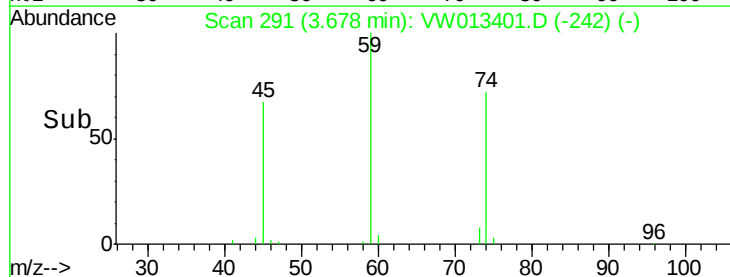
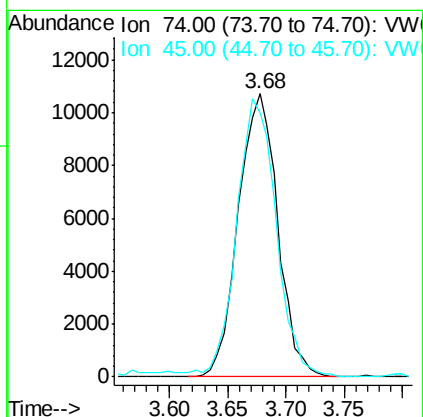
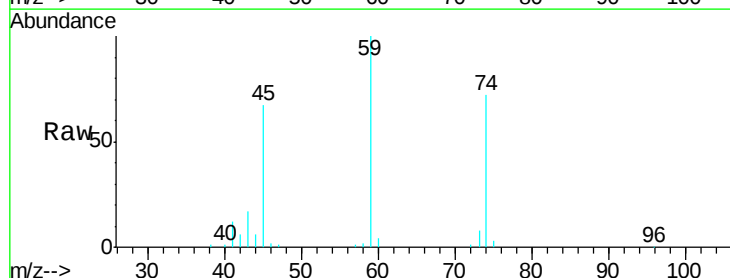
Tgt Ion:101 Resp: 19524
Ion Ratio Lower Upper
101 100
103 66.8 49.7 74.5

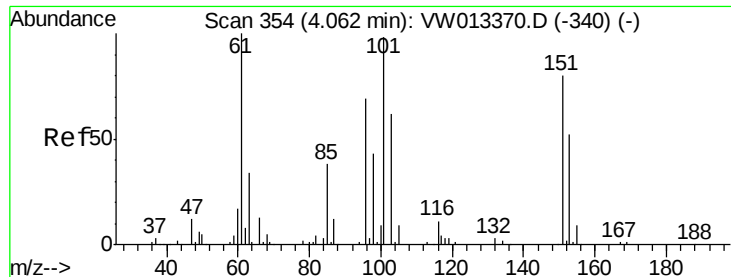


#8

Diethyl Ether
Concen: 19.942 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 74 Resp: 25289
Ion Ratio Lower Upper
74 100
45 99.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.556 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

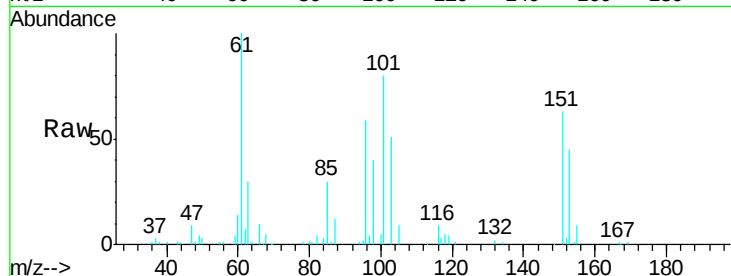
Tgt Ion:101 Resp: 54791

Ion Ratio Lower Upper

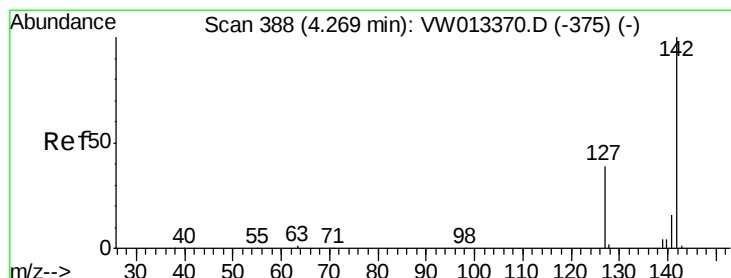
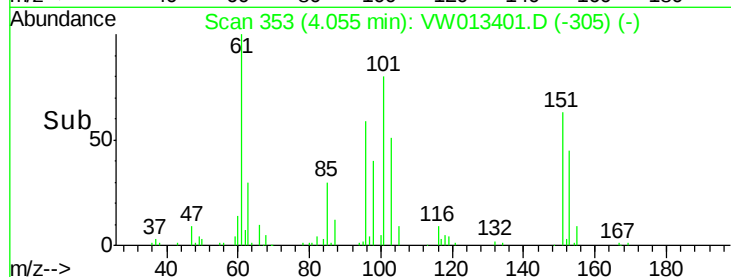
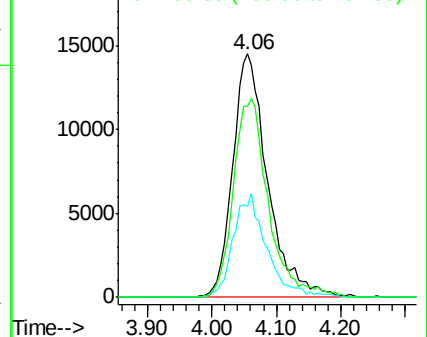
101 100

85 40.7 33.4 50.0

151 82.0 66.9 100.3



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: 19.242 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

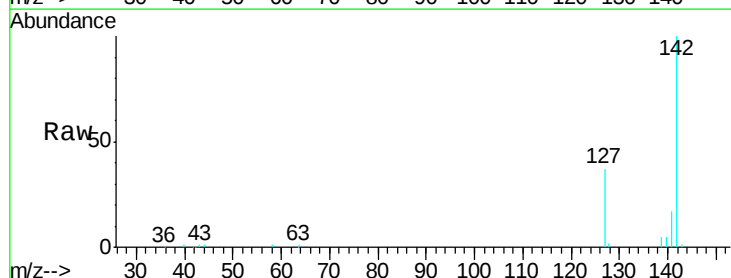
Tgt Ion:142 Resp: 75484

Ion Ratio Lower Upper

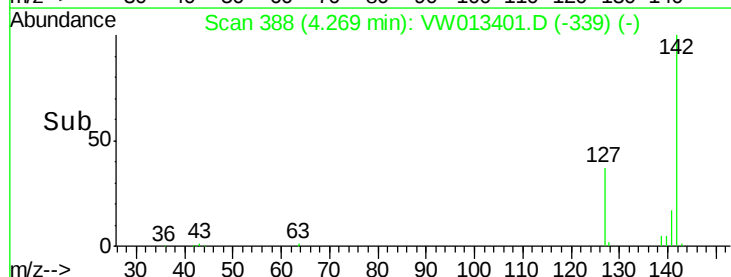
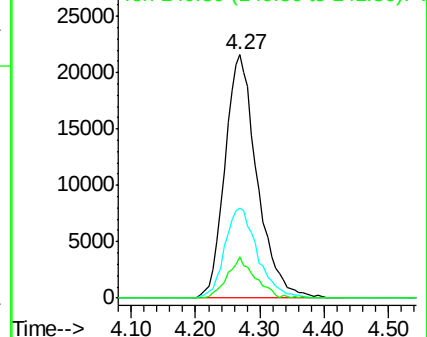
142 100

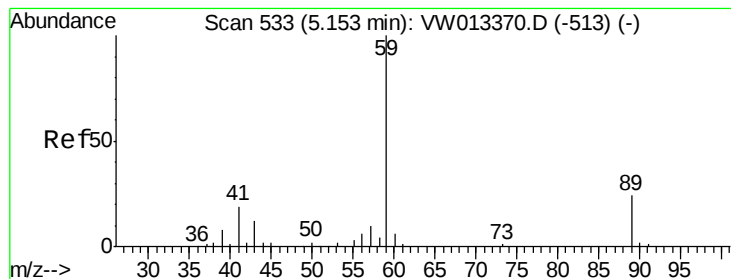
127 37.6 30.9 46.3

141 14.4 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



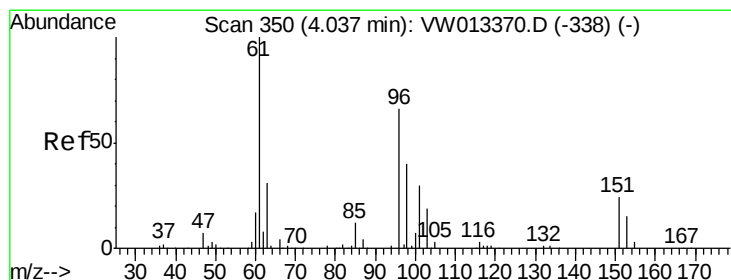
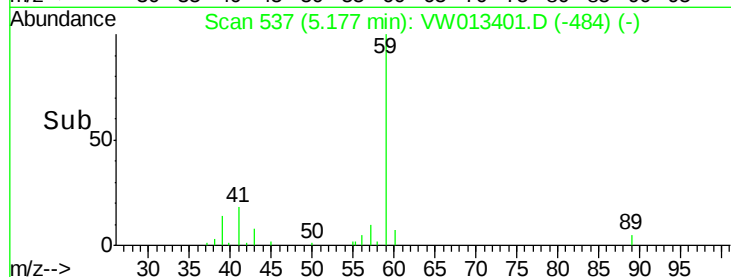
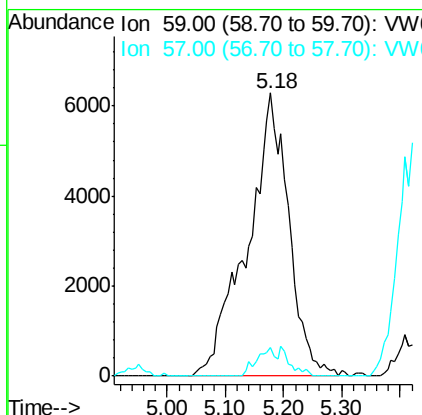
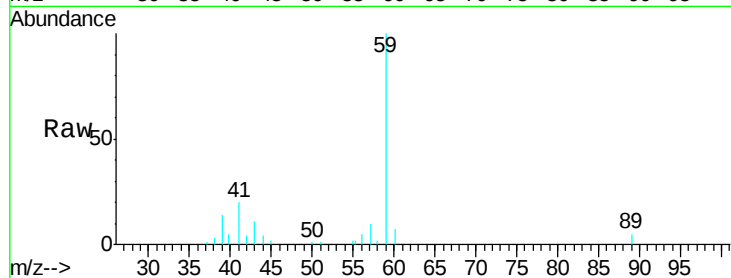


#11

Tert butyl alcohol
Concen: 175.508 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampled :

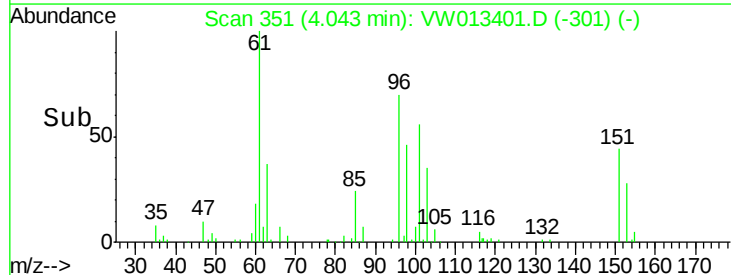
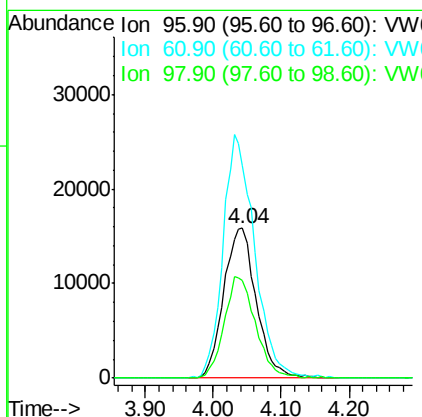
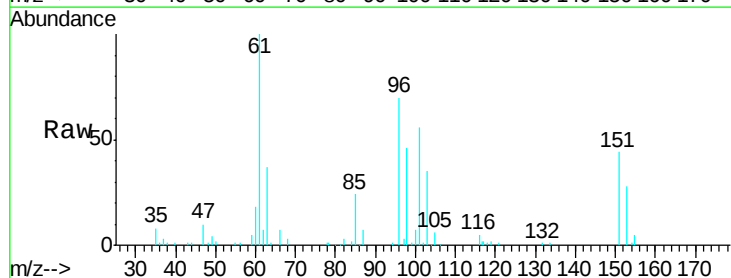
Tgt Ion: 59 Resp: 31093
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.2#

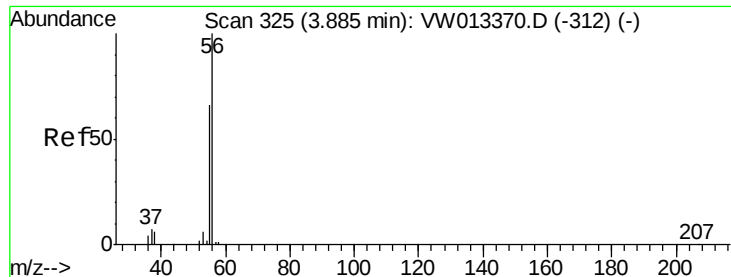


#12

1,1-Dichloroethene
Concen: 20.490 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 96 Resp: 52588
Ion Ratio Lower Upper
96 100
61 142.7 125.1 187.7
98 65.0 50.8 76.2





#13

Acrolein

Concen: 110.458 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

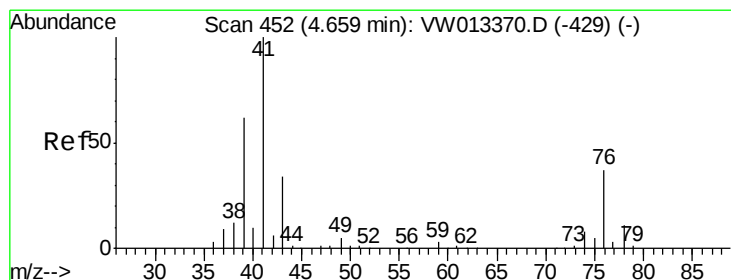
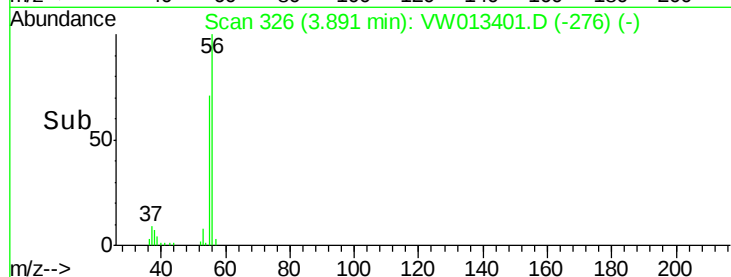
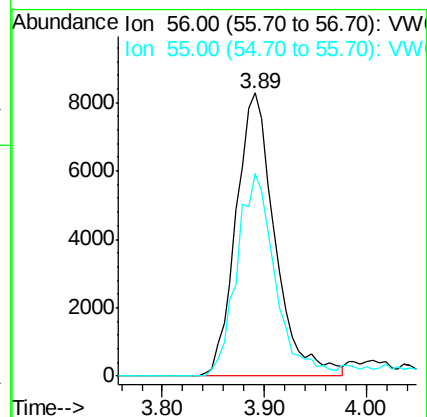
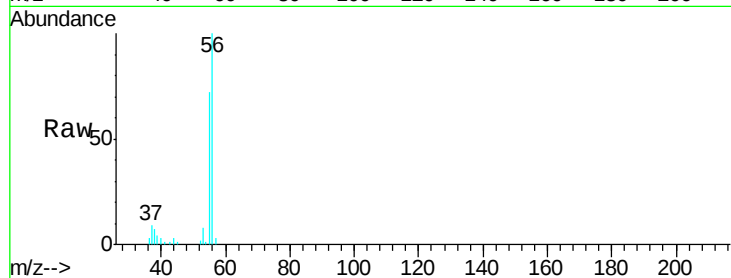
ClientSampleId :

Tgt Ion: 56 Resp: 21951

Ion Ratio Lower Upper

56 100

55 70.1 55.4 83.0



#14

Allyl chloride

Concen: 18.587 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

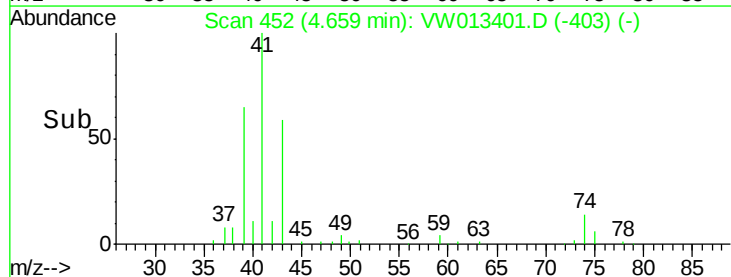
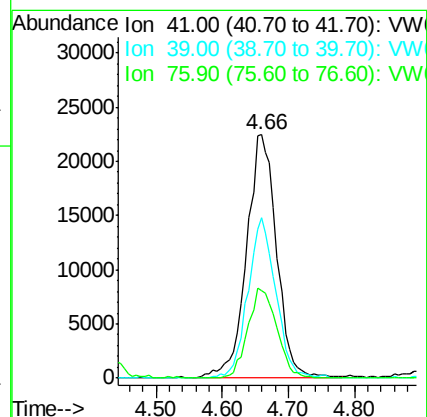
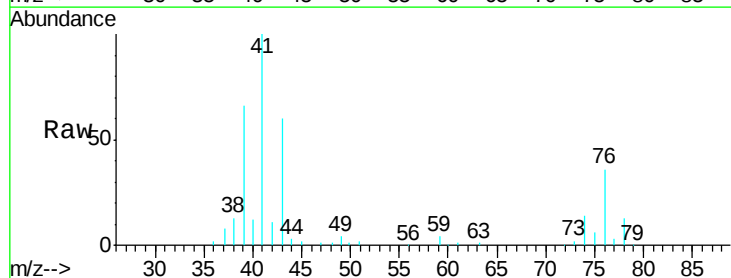
Tgt Ion: 41 Resp: 70566

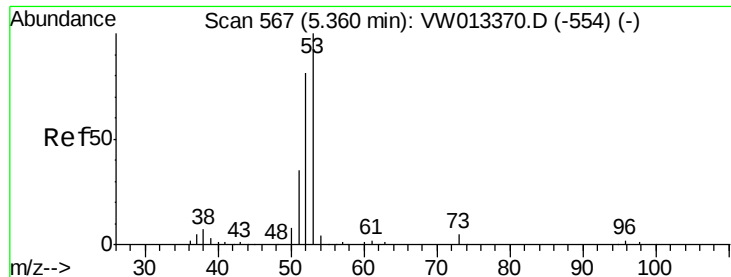
Ion Ratio Lower Upper

41 100

39 61.3 51.0 76.4

76 35.7 28.4 42.6





#15

Acrylonitrile

Concen: 122.801 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampled :

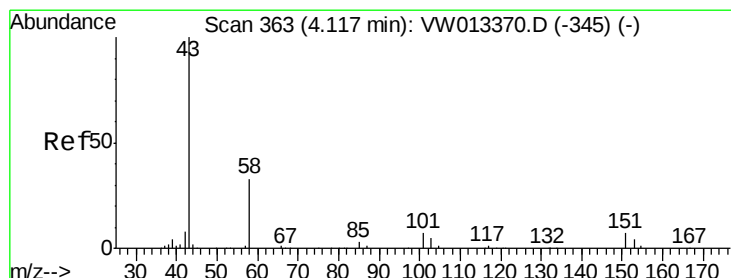
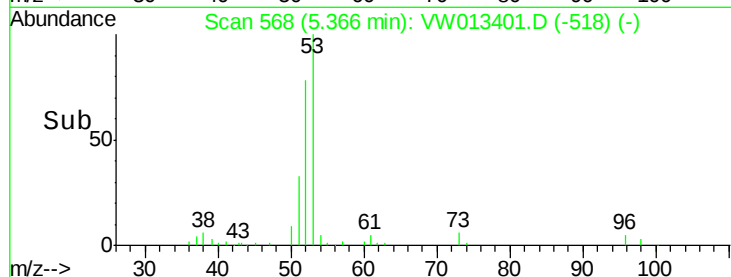
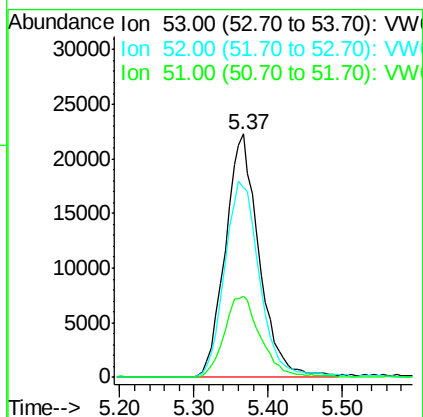
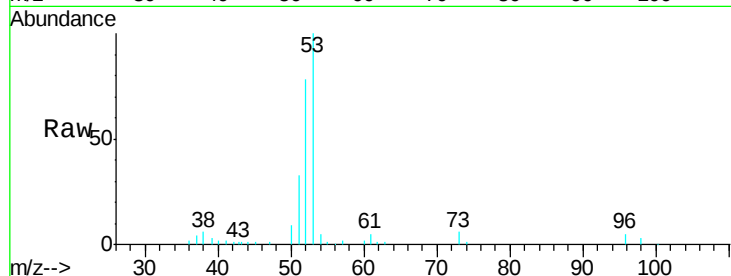
Tgt Ion: 53 Resp: 70398

Ion Ratio Lower Upper

53 100

52 84.0 65.3 97.9

51 36.2 29.0 43.4



#16

Acetone

Concen: 89.189 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013401.D

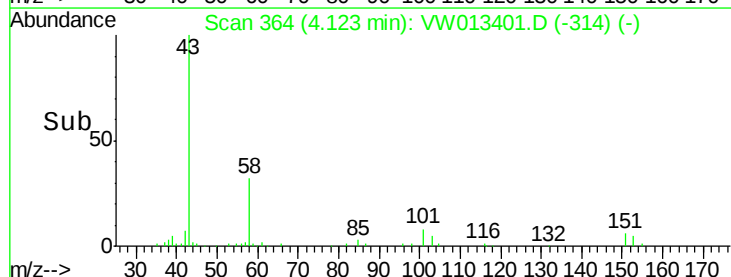
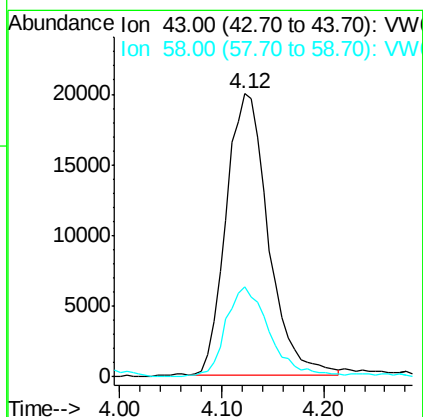
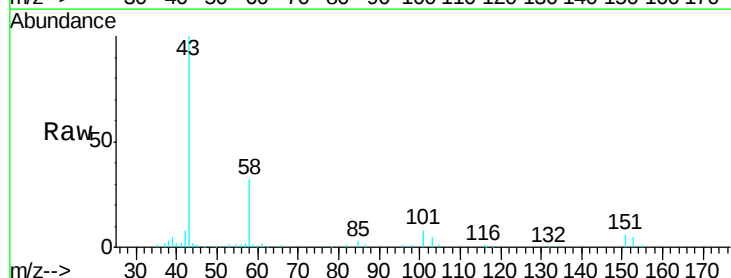
Acq: 03 Oct 2019 03:18

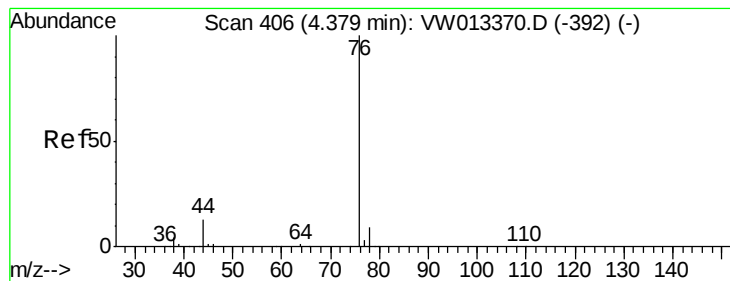
Tgt Ion: 43 Resp: 56910

Ion Ratio Lower Upper

43 100

58 31.6 24.1 36.1





#17

Carbon Disulfide

Concen: 20.114 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

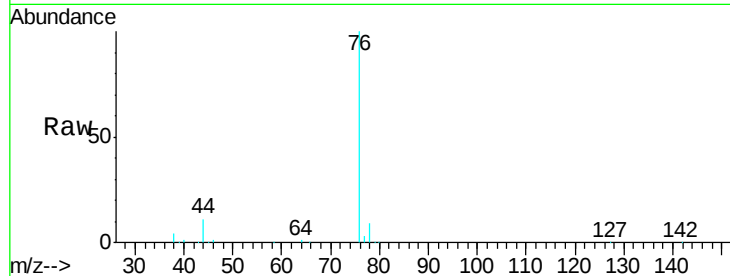
ClientSampled :

Tgt Ion: 76 Resp: 144008

Ion Ratio Lower Upper

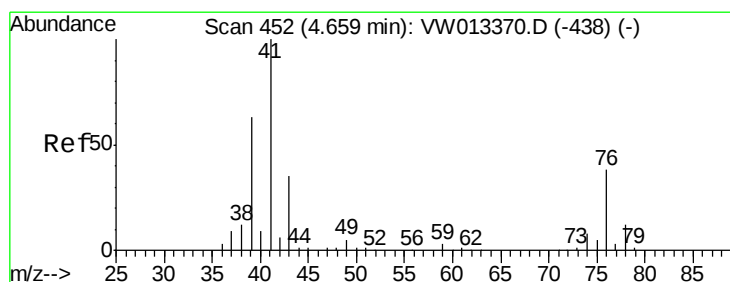
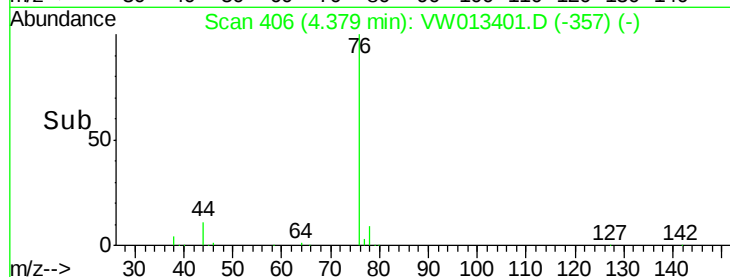
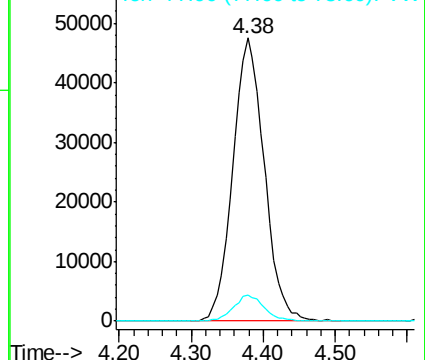
76 100

78 9.1 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 28.421 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013401.D

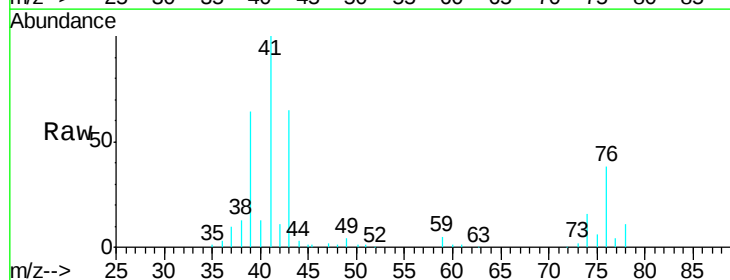
Acq: 03 Oct 2019 03:18

Tgt Ion: 43 Resp: 42446

Ion Ratio Lower Upper

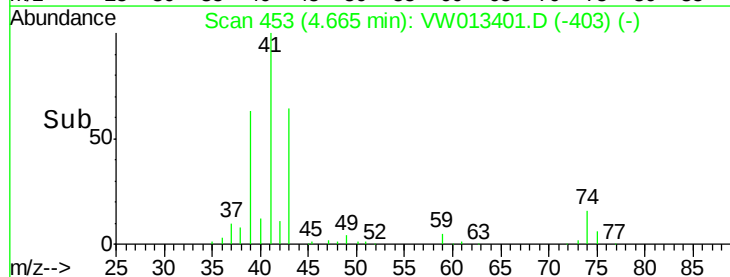
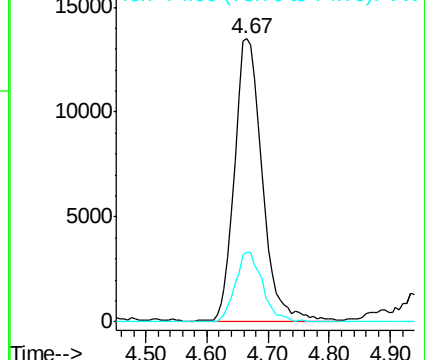
43 100

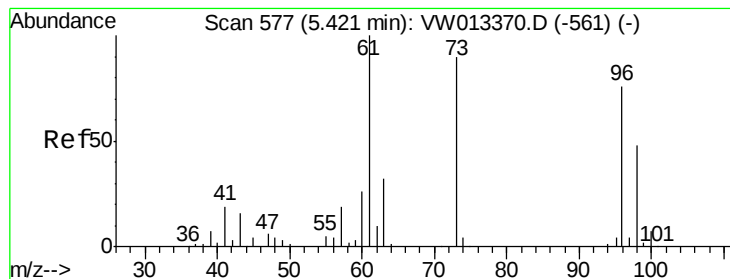
74 23.9 19.3 28.9



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: 21.008 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

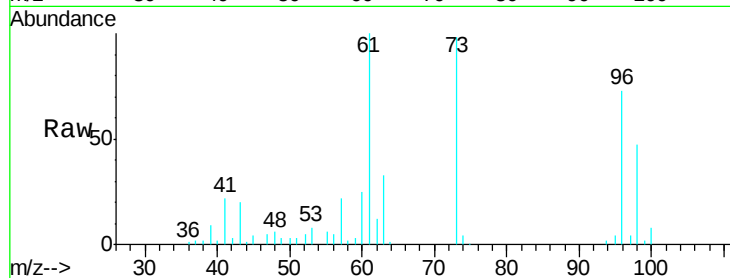
ClientSampled :

Tgt Ion: 73 Resp: 79355

Ion Ratio Lower Upper

73 100

57 22.8 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

25000

20000

15000

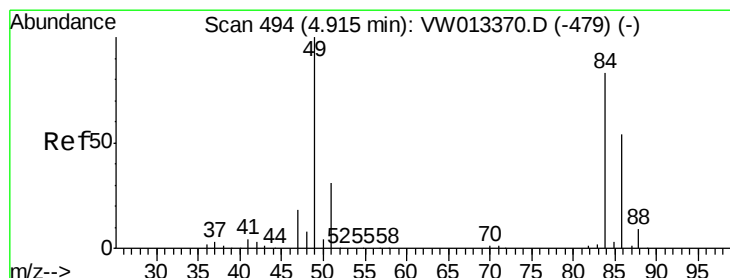
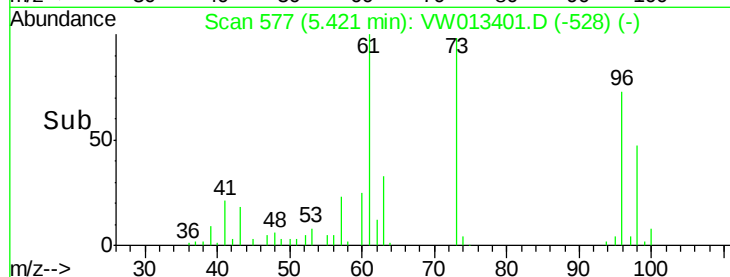
10000

5000

0

Time-->

5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 20.072 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion: 84 Resp: 56322

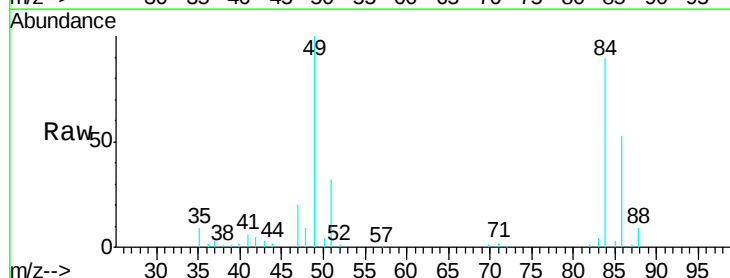
Ion Ratio Lower Upper

84 100

49 110.8 97.6 146.4

51 35.8 30.2 45.2

86 58.4 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

25000

20000

15000

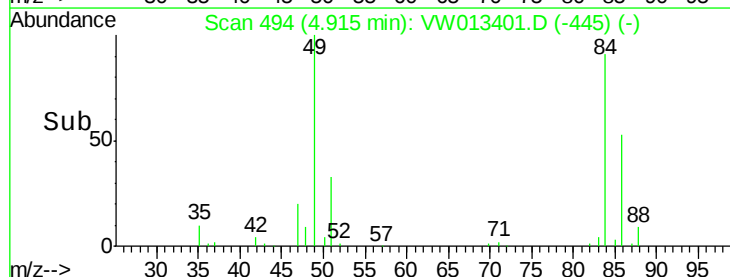
10000

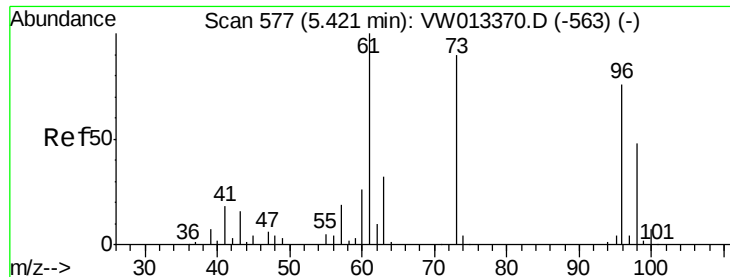
5000

0

Time-->

4.80 4.90 5.00





#21

trans-1,2-Dichloroethene

Concen: 19.850 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

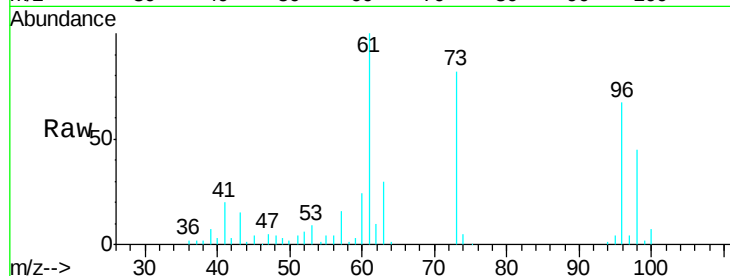
Tgt Ion: 96 Resp: 54252

Ion Ratio Lower Upper

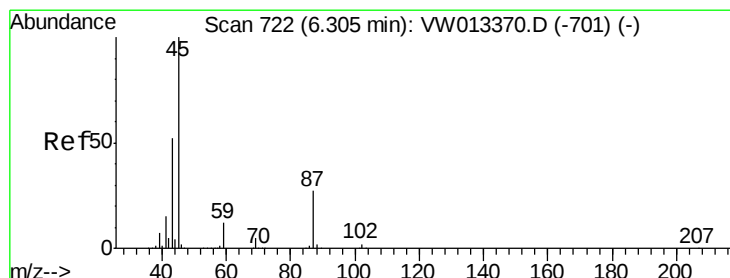
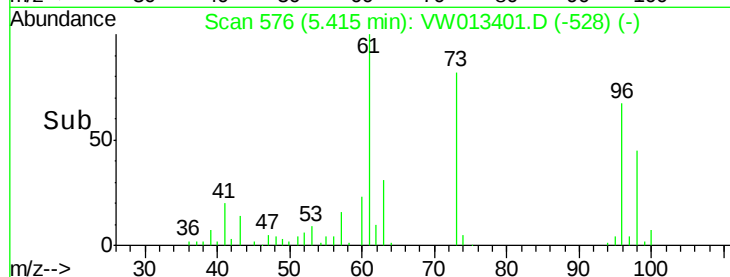
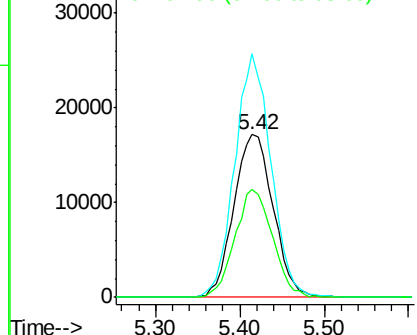
96 100

61 149.8 106.6 159.8

98 66.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 19.665 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion: 45 Resp: 144179

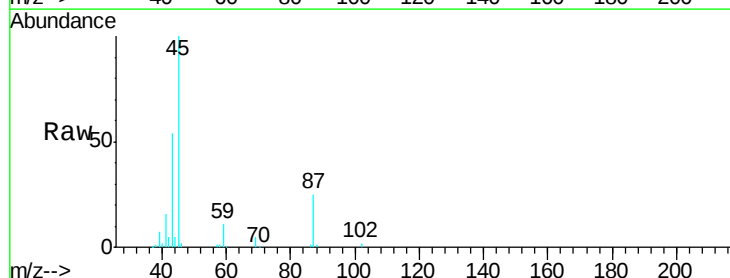
Ion Ratio Lower Upper

45 100

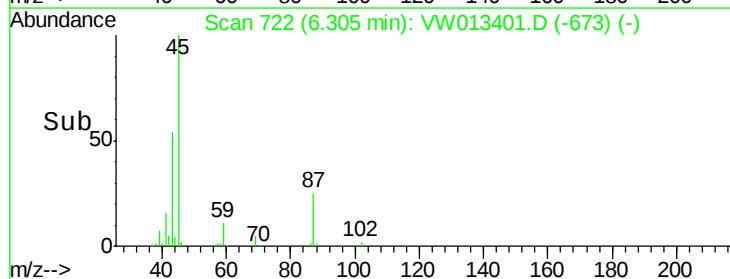
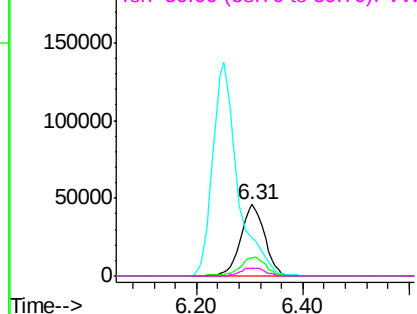
43 53.6 42.4 63.6

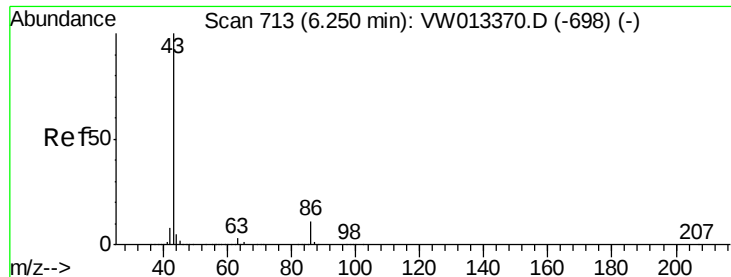
87 25.0 20.4 30.6

59 10.7 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 101.364 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

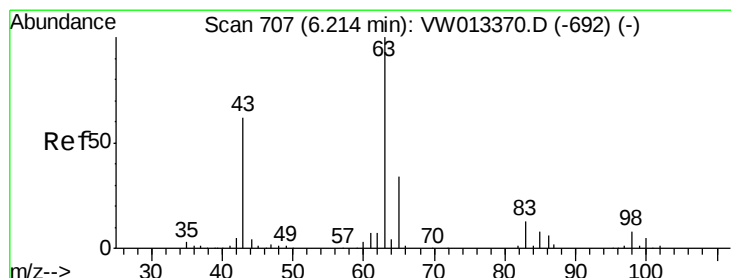
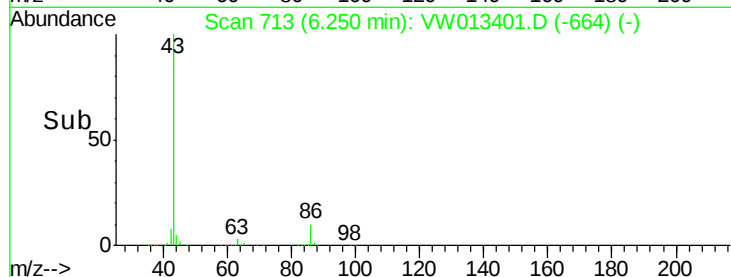
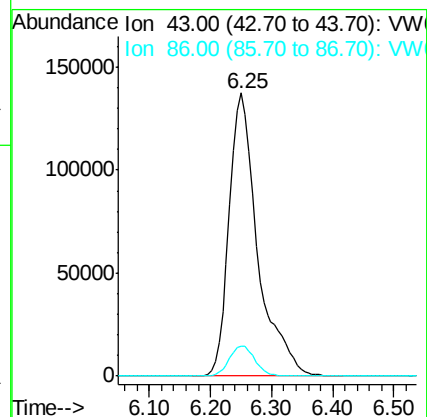
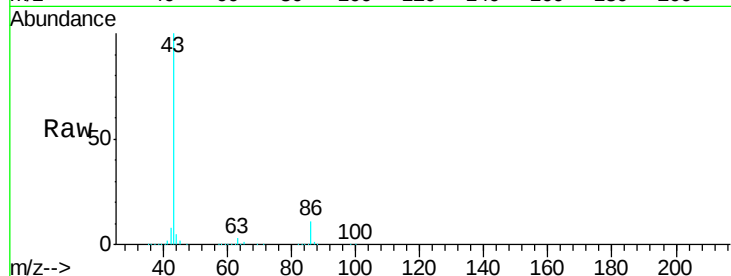
ClientSampleId :

Tgt Ion: 43 Resp: 445953

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.644 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

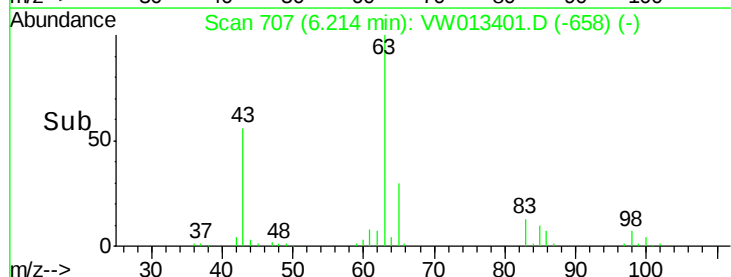
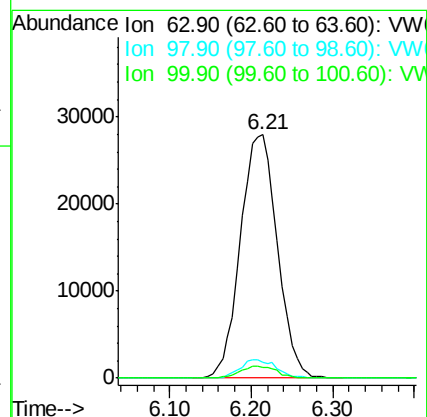
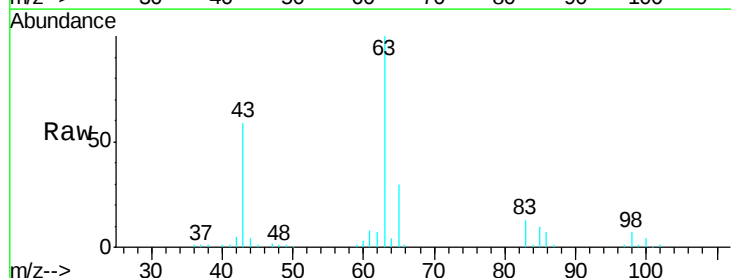
Tgt Ion: 63 Resp: 87725

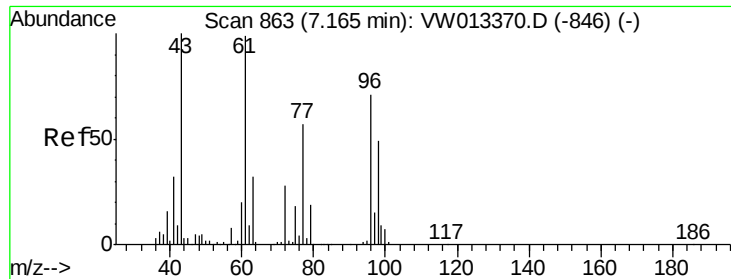
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 113.007 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

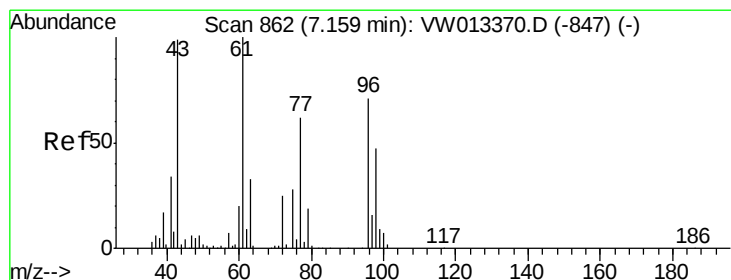
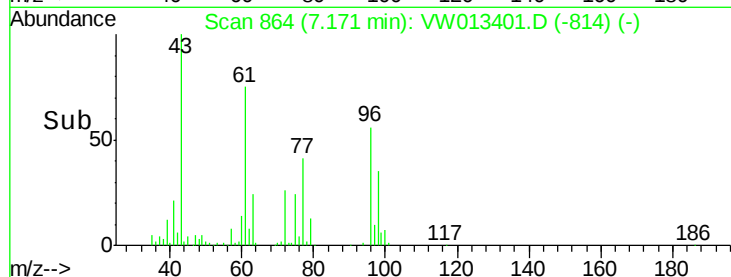
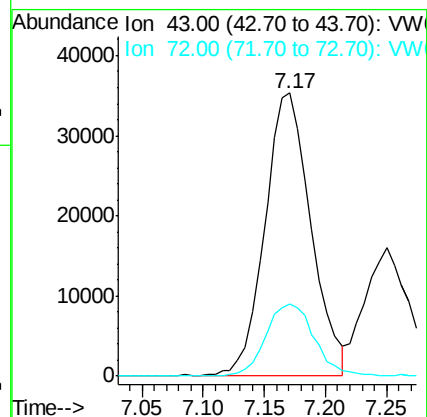
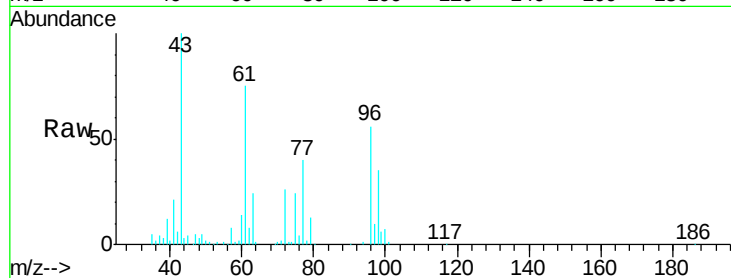
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 43 Resp: 92267

Ion Ratio Lower Upper

43 100

72 25.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 17.964 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013401.D

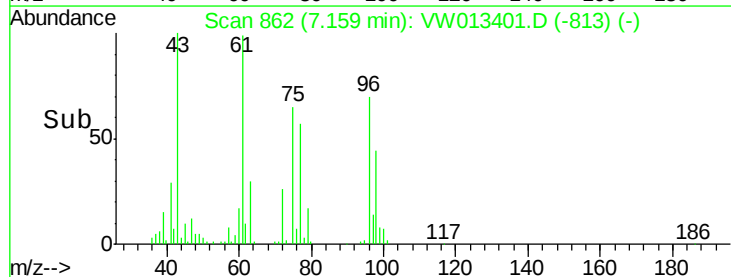
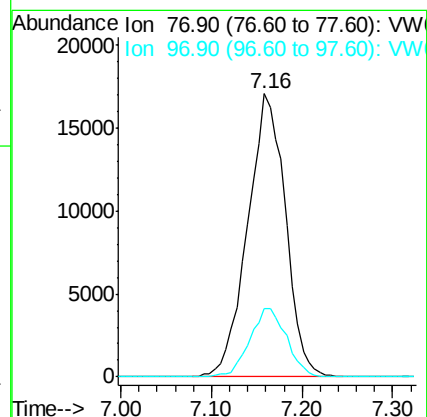
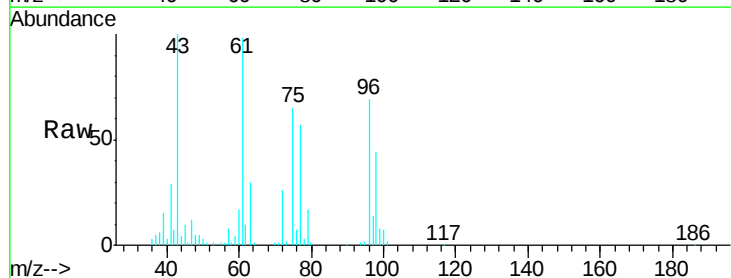
Acq: 03 Oct 2019 03:18

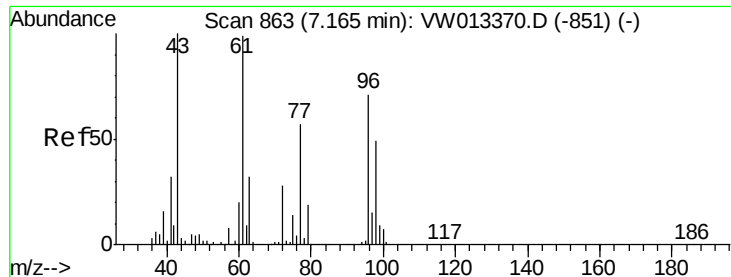
Tgt Ion: 77 Resp: 49165

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4



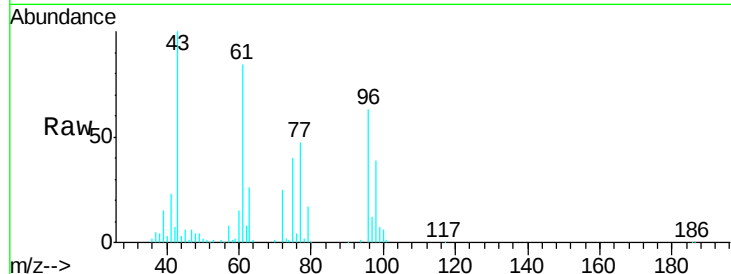


#27

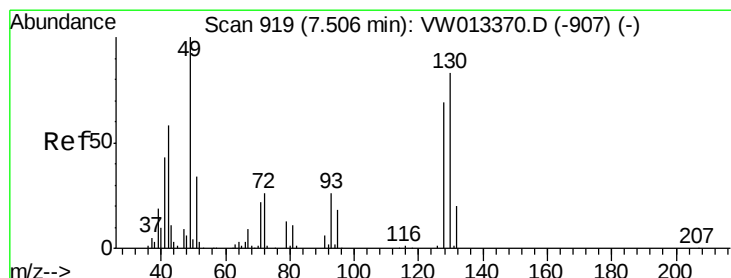
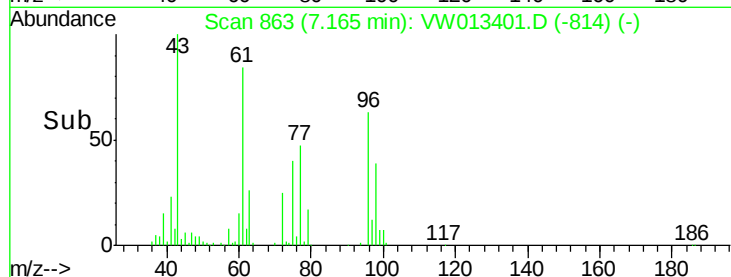
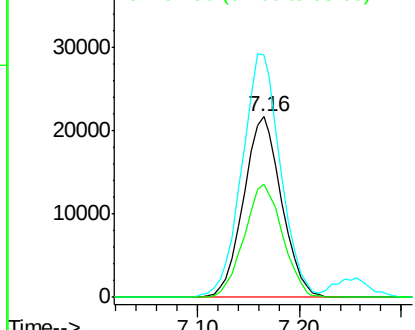
cis-1,2-Dichloroethene
 Concen: 19.646 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 96 Resp: 56204
 Ion Ratio Lower Upper
 96 100
 61 137.1 0.0 282.4
 98 63.5 0.0 128.2



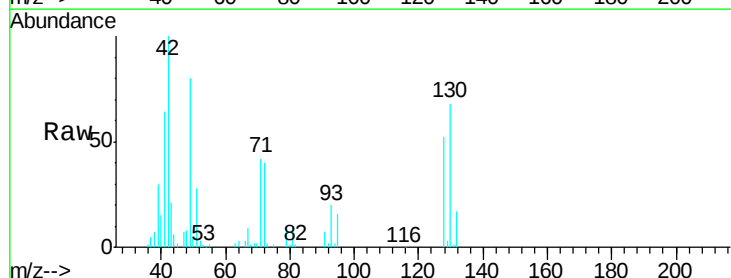
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



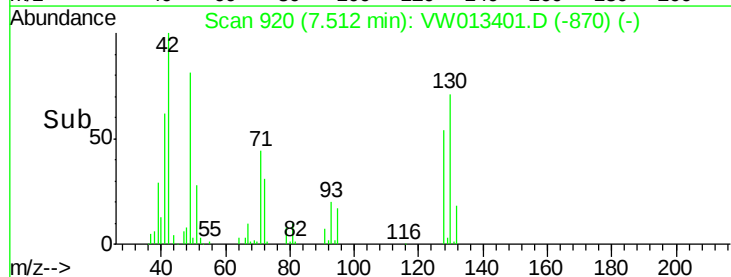
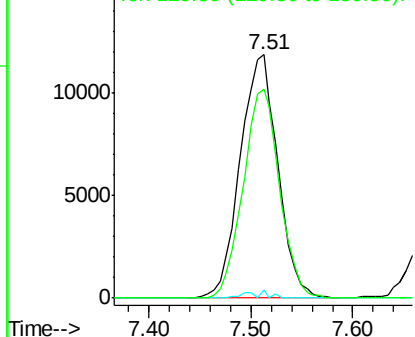
#28

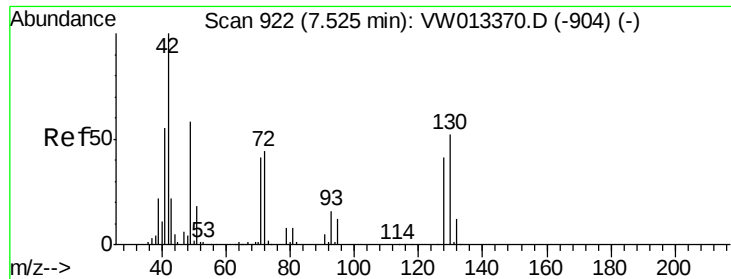
Bromochloromethane
 Concen: 18.761 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 49 Resp: 30293
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 1.0
 130 83.1 63.4 95.2



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

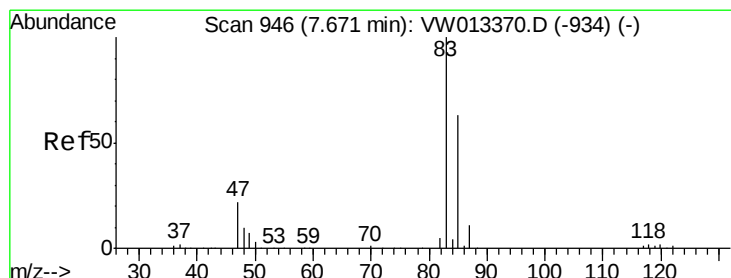
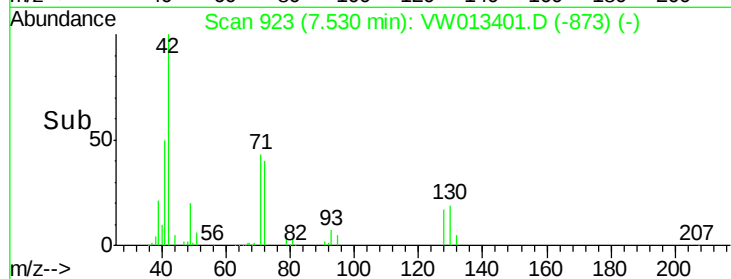
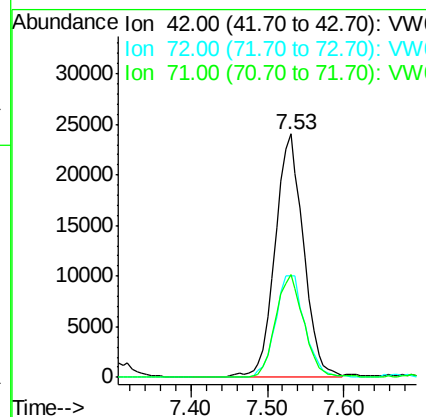
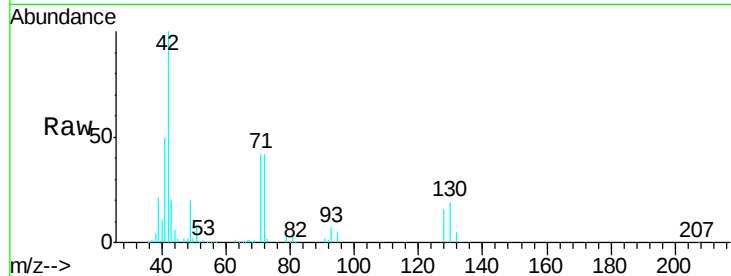




#29
Tetrahydrofuran
Concen: 135.347 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

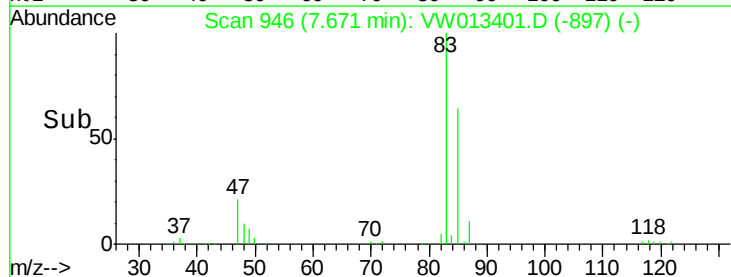
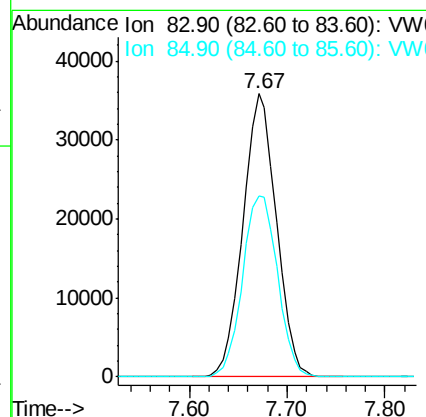
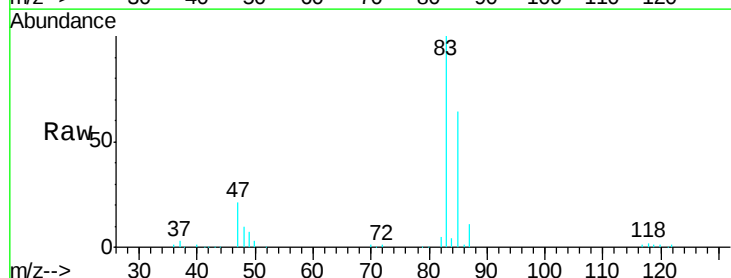
Instrument :
MSVOA_W
ClientSampled :

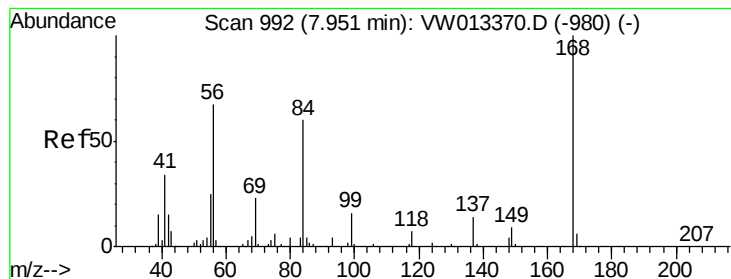
Tgt Ion: 42 Resp: 62079
Ion Ratio Lower Upper
42 100
72 43.6 33.9 50.9
71 41.9 31.9 47.9



#30
Chloroform
Concen: 19.430 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 83 Resp: 85085
Ion Ratio Lower Upper
83 100
85 63.9 52.3 78.5





#31

Cyclohexane

Concen: 21.020 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampled :

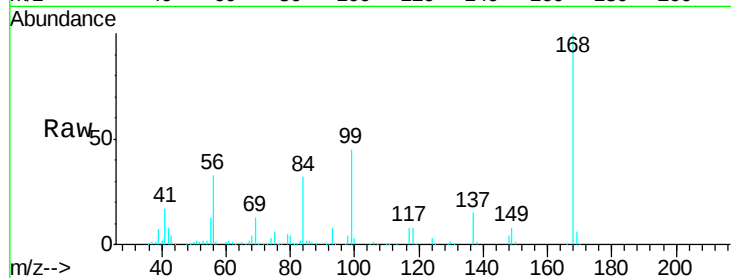
Tgt Ion: 56 Resp: 100109

Ion Ratio Lower Upper

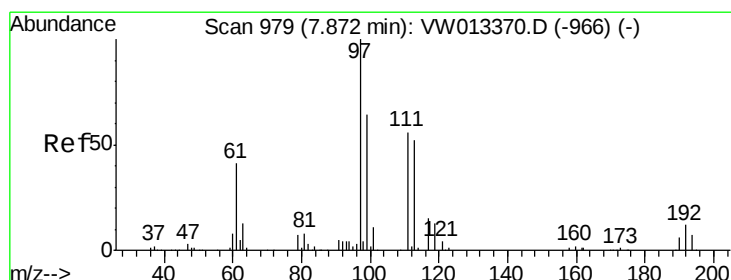
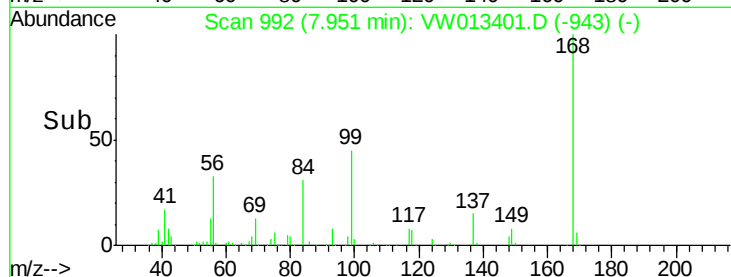
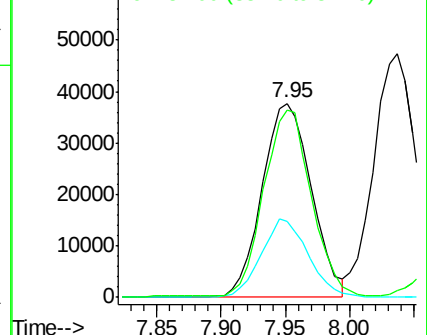
56 100

69 39.5 27.2 40.8

84 95.5 70.8 106.2



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: 21.128 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

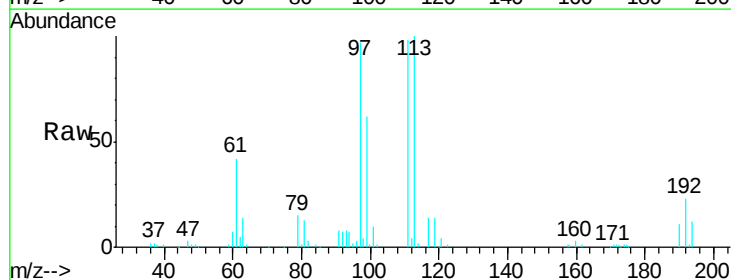
Tgt Ion: 97 Resp: 72481

Ion Ratio Lower Upper

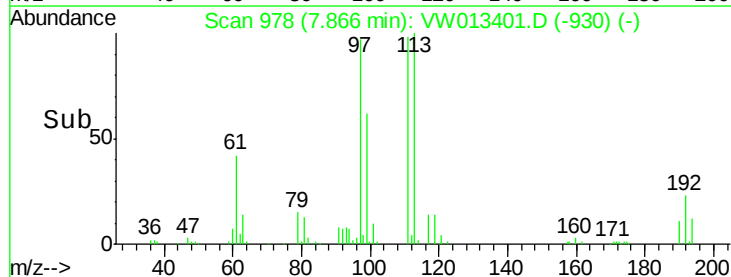
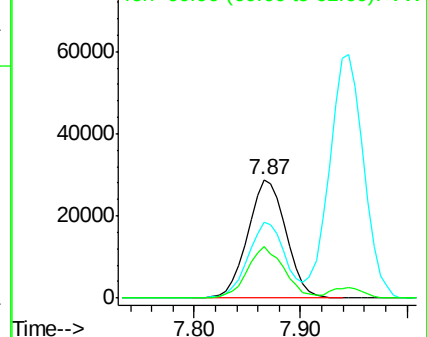
97 100

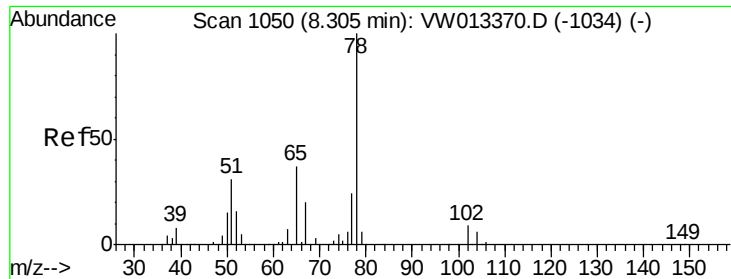
99 62.9 51.7 77.5

61 42.0 34.6 51.8



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: 56.967 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

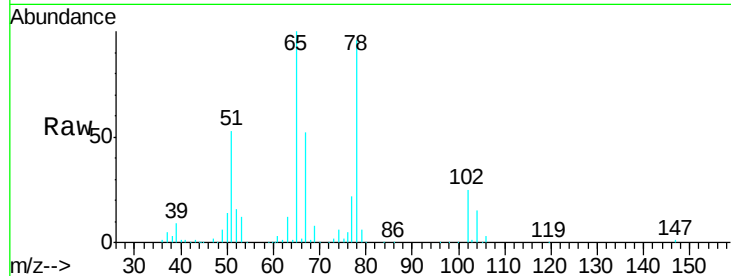
ClientSampleId :

Tgt Ion: 65 Resp: 118588

Ion Ratio Lower Upper

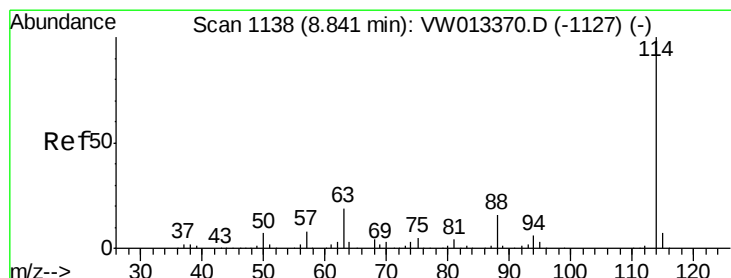
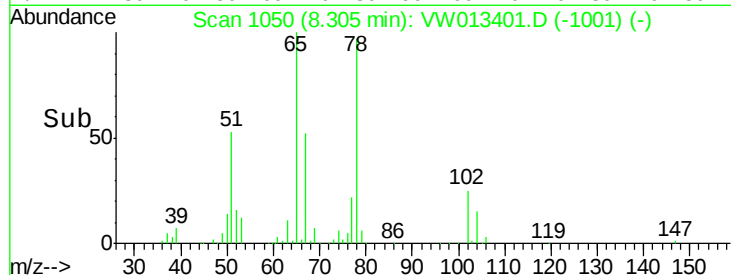
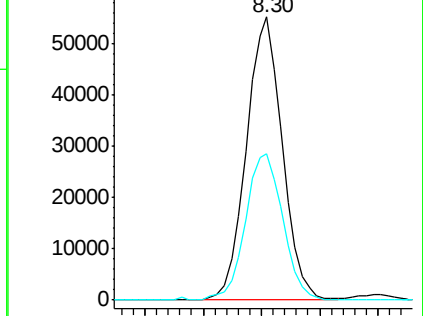
65 100

67 53.8 0.0 106.2



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: VW013401.D

Acq: 03 Oct 2019 03:18

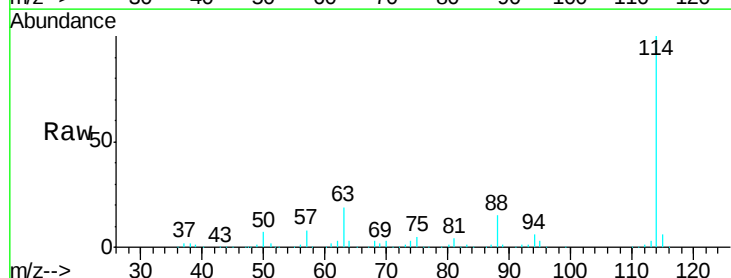
Tgt Ion: 114 Resp: 380091

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

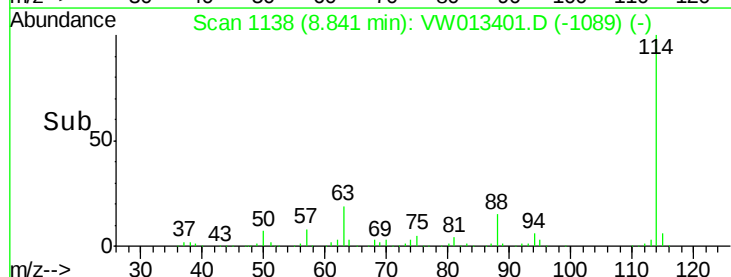
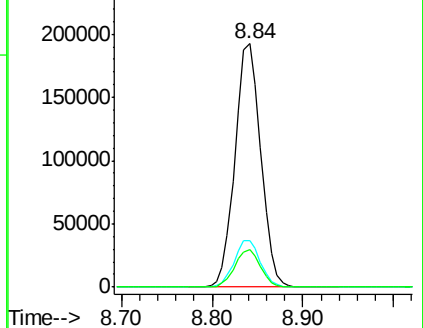
88 15.3 0.0 32.0

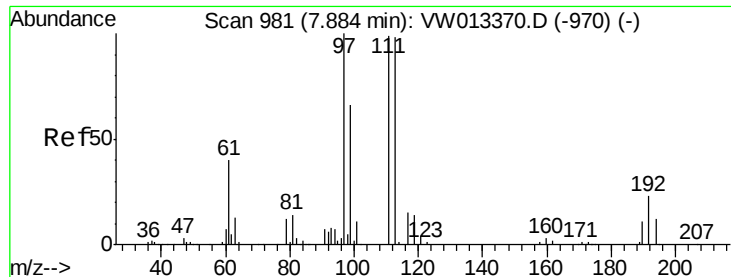


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 57.160 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :

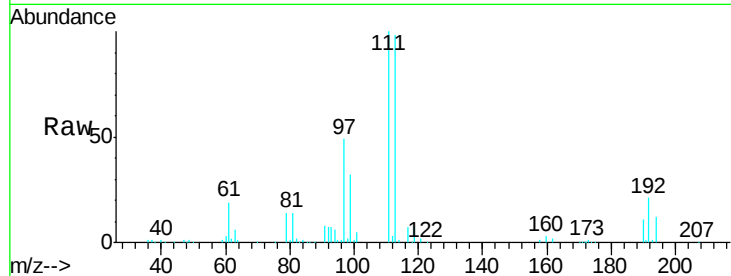
Tgt Ion:113 Resp: 114002

Ion Ratio Lower Upper

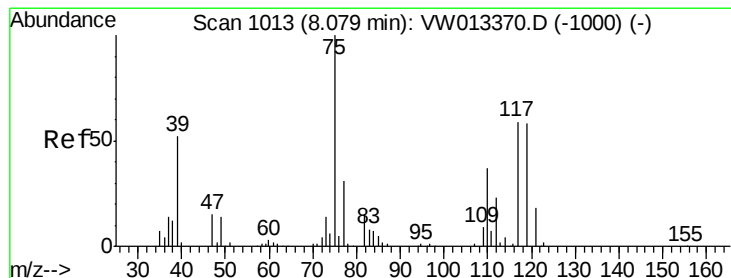
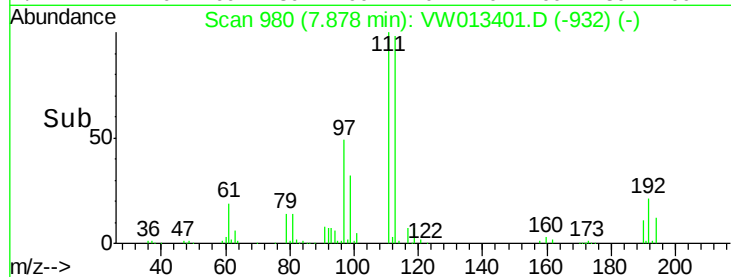
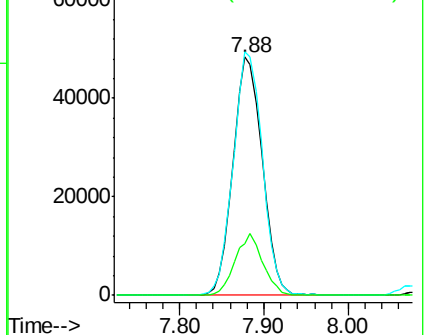
113 100

111 101.6 81.9 122.9

192 24.1 19.1 28.7



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: 21.860 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

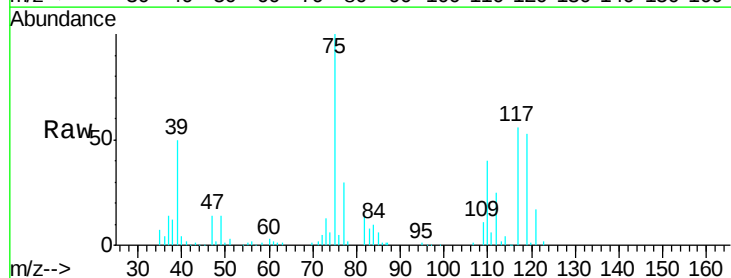
Tgt Ion: 75 Resp: 77172

Ion Ratio Lower Upper

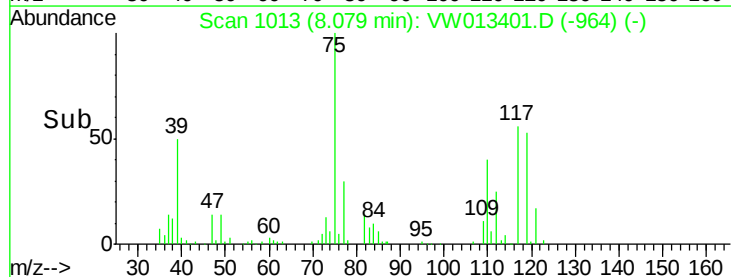
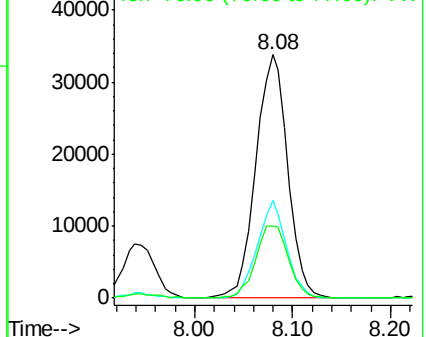
75 100

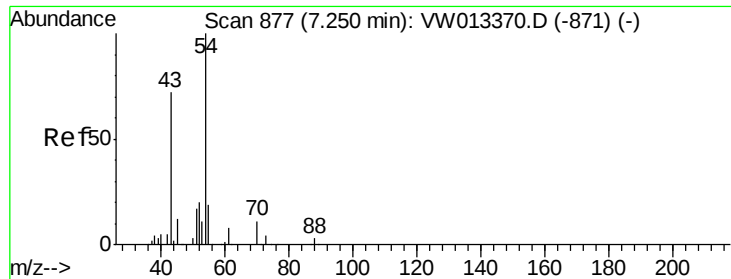
110 36.5 18.1 54.3

77 30.9 25.8 38.6



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

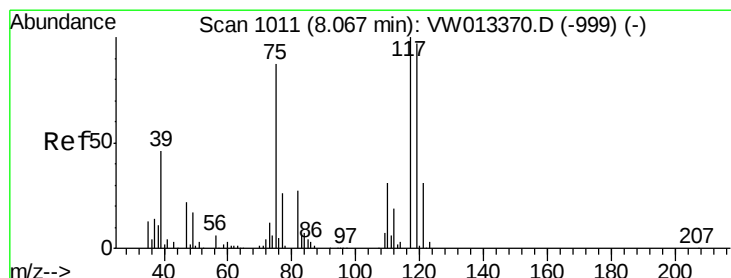
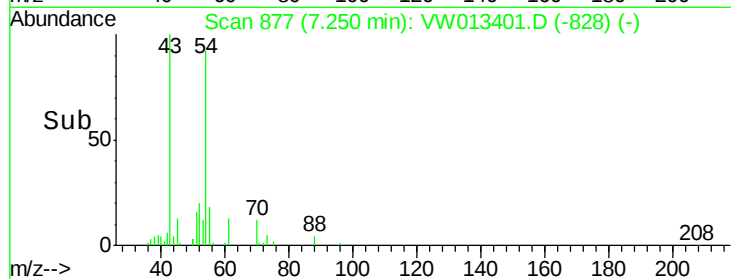
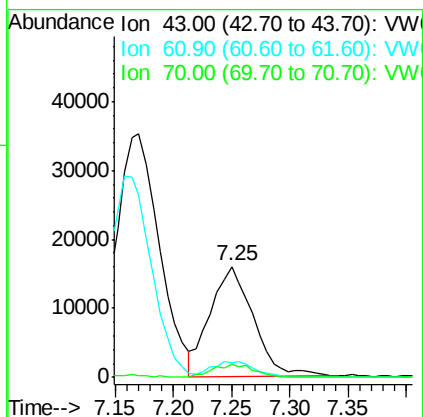
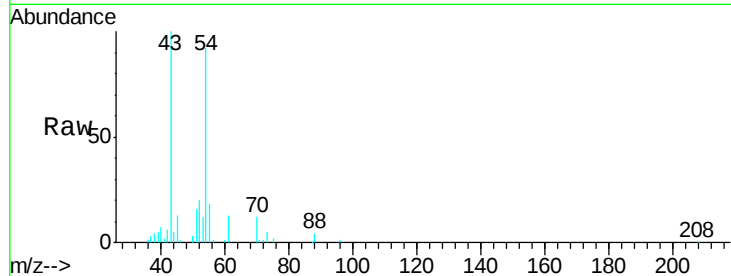




#37
Ethyl Acetate
Concen: 26.175 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

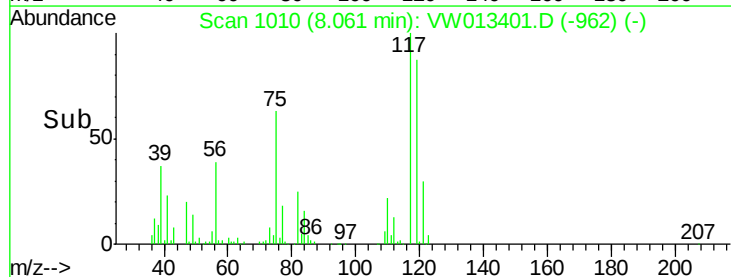
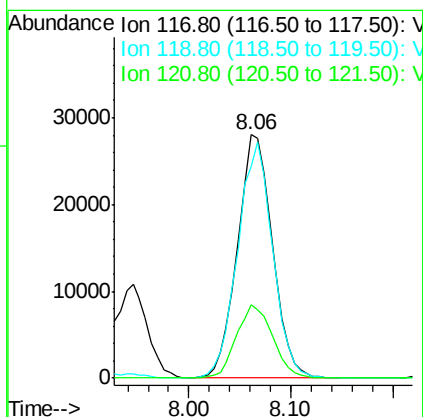
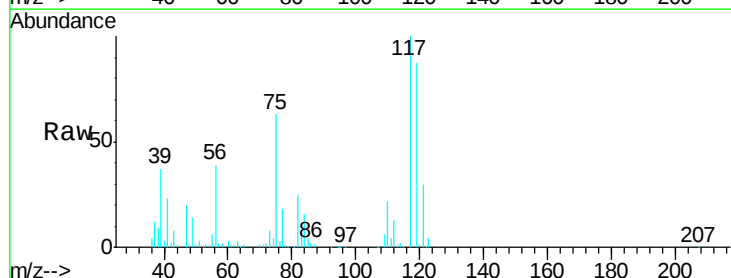
Instrument :
MSVOA_W
ClientSampleId :

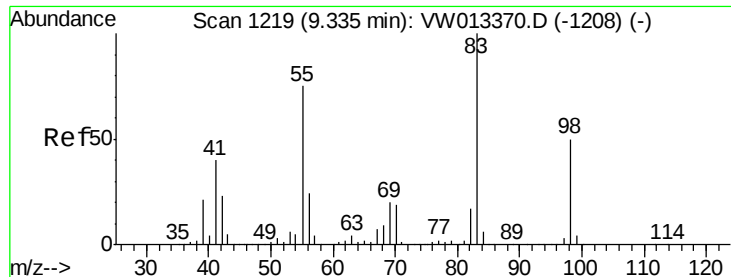
Tgt Ion: 43 Resp: 40671
Ion Ratio Lower Upper
43 100
61 14.4 10.9 16.3
70 11.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.925 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 117 Resp: 67048
Ion Ratio Lower Upper
117 100
119 87.0 73.5 110.3
121 30.0 25.0 37.6

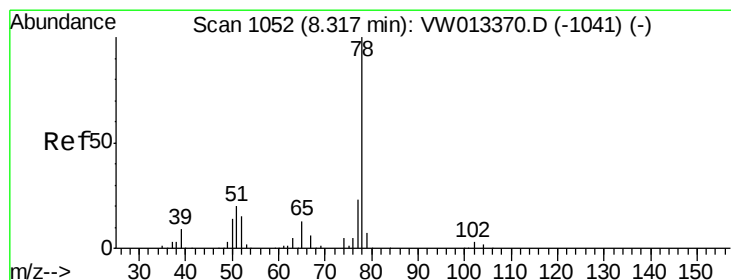
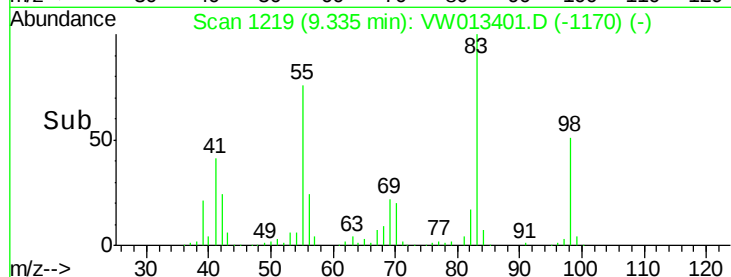
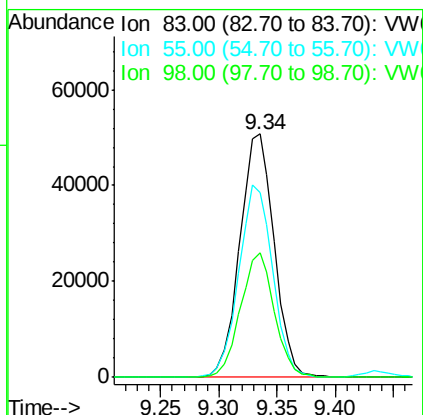
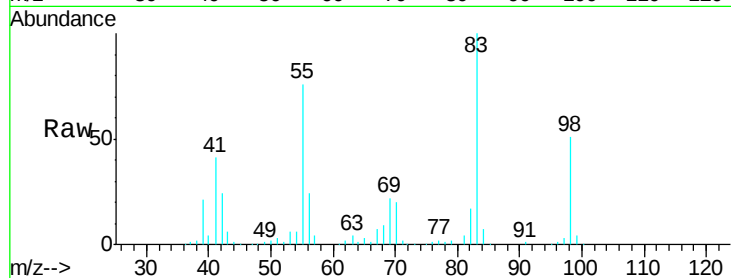




#39
Methylcyclohexane
Concen: 22.473 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

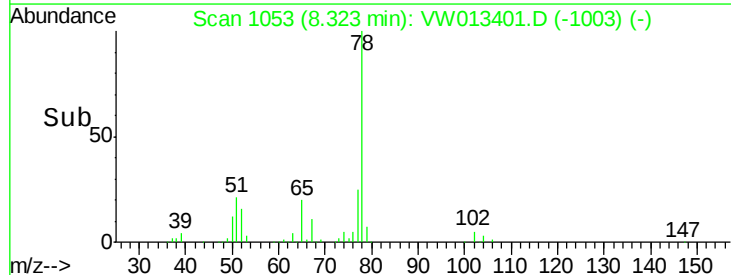
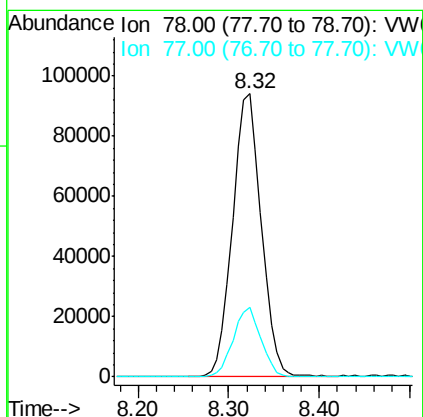
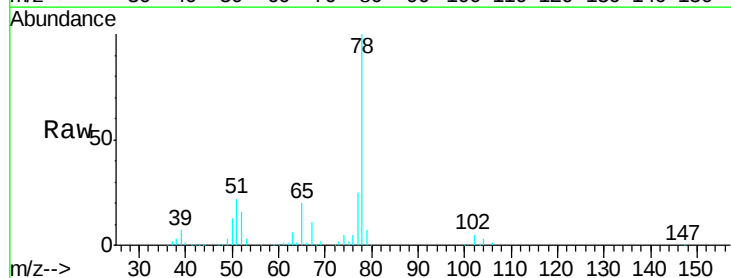
Instrument :
MSVOA_W
ClientSampleId :

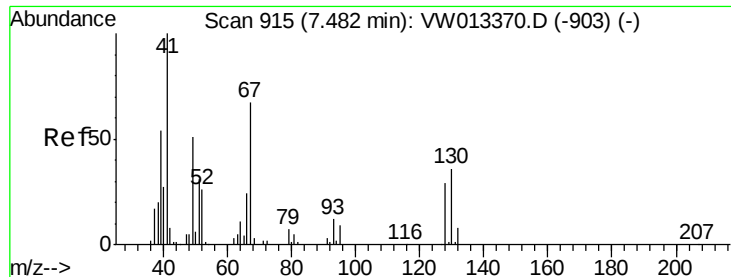
Tgt Ion: 83 Resp: 104484
Ion Ratio Lower Upper
83 100
55 75.6 60.4 90.6
98 51.3 40.0 60.0



#40
Benzene
Concen: 20.808 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 78 Resp: 207949
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7

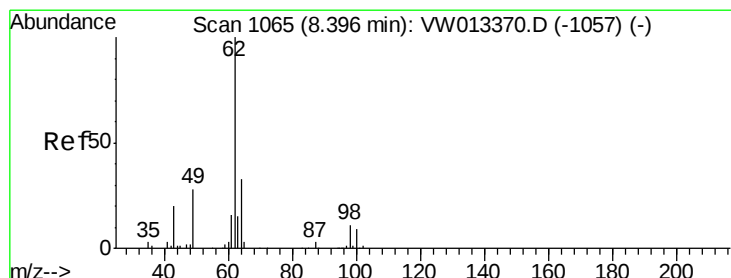
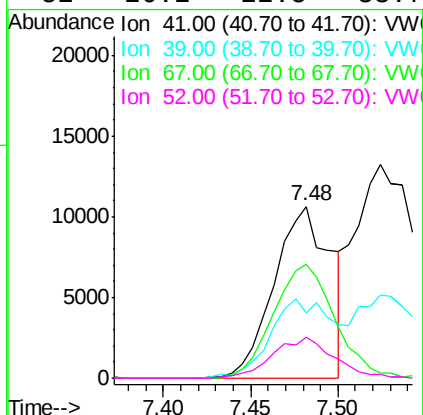
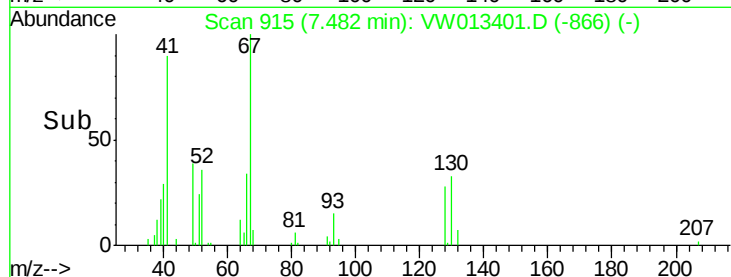
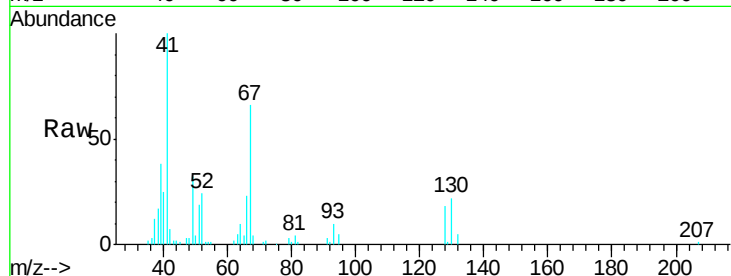




#41
Methacrylonitrile
Concen: 25.628 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

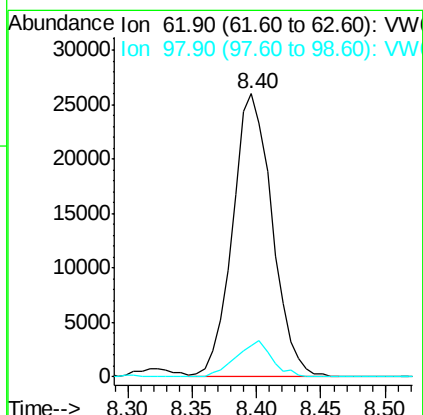
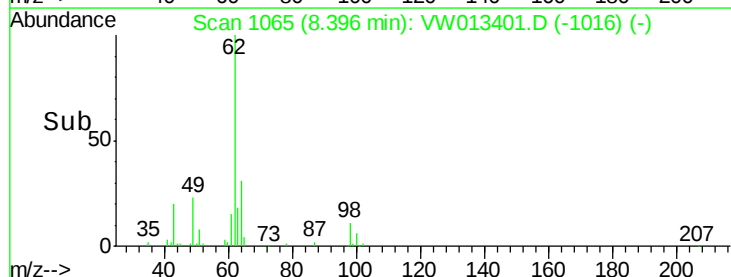
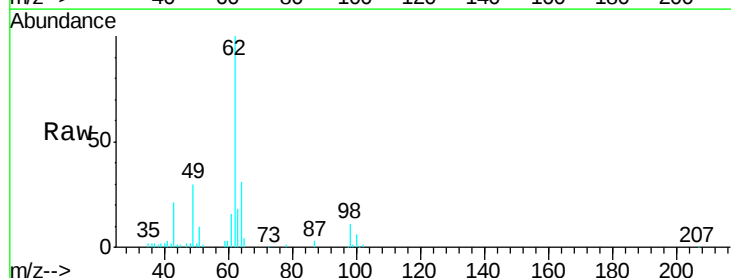
Instrument :
MSVOA_W
ClientSampleId :

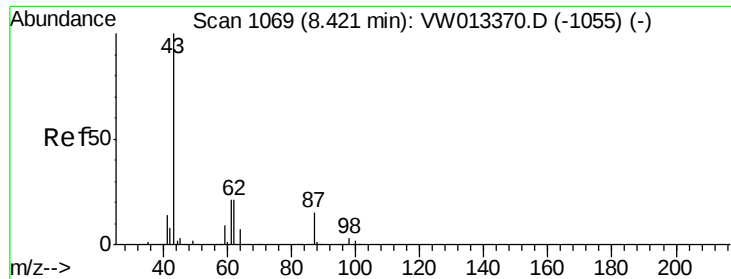
Tgt Ion:	41	Resp:	24076
Ion	Ratio	Lower	Upper
41	100		
39	53.9	45.9	68.9
67	71.9	54.5	81.7
52	26.2	22.5	33.7



#42
1,2-Dichloroethane
Concen: 21.536 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:	62	Resp:	55316
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	20.6

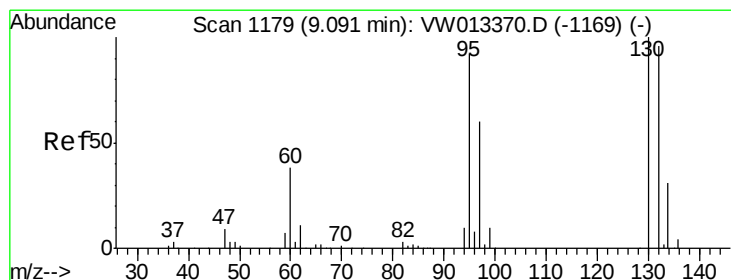
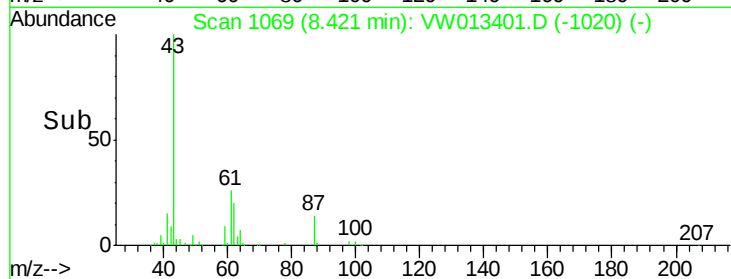
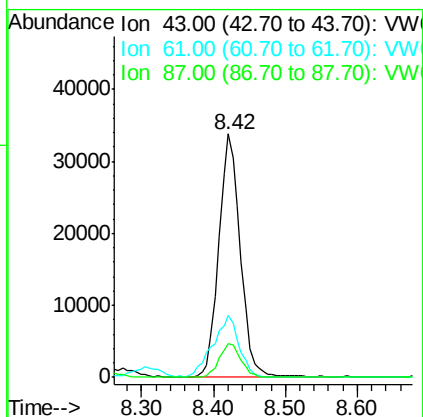
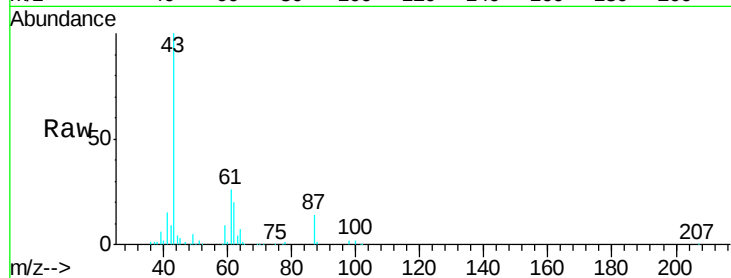




#43
Isopropyl Acetate
Concen: 23.758 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

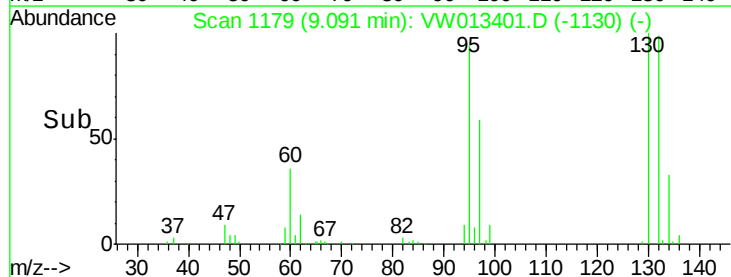
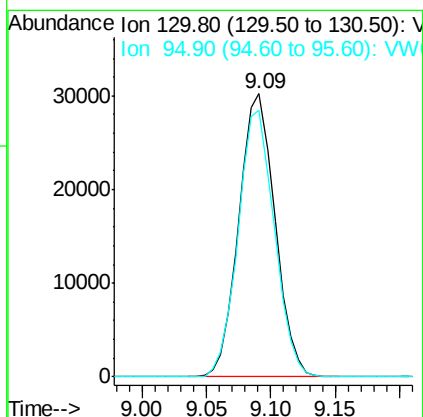
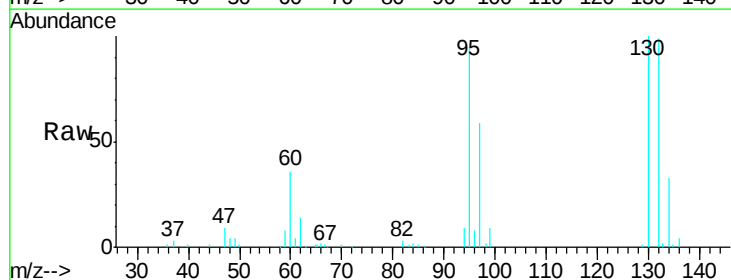
Instrument :
MSVOA_W
ClientSampleId :

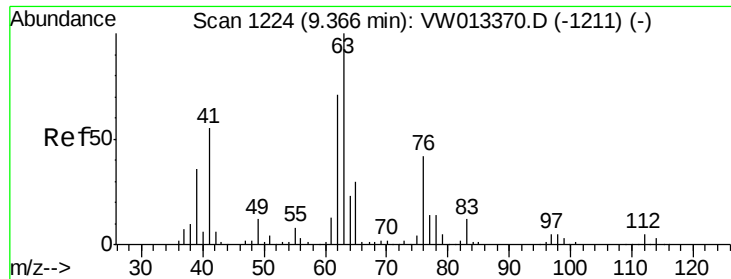
Tgt Ion: 43 Resp: 69668
Ion Ratio Lower Upper
43 100
61 31.3 25.5 38.3
87 13.9 11.0 16.4



#44
Trichloroethene
Concen: 20.912 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 130 Resp: 58850
Ion Ratio Lower Upper
130 100
95 94.4 0.0 188.0

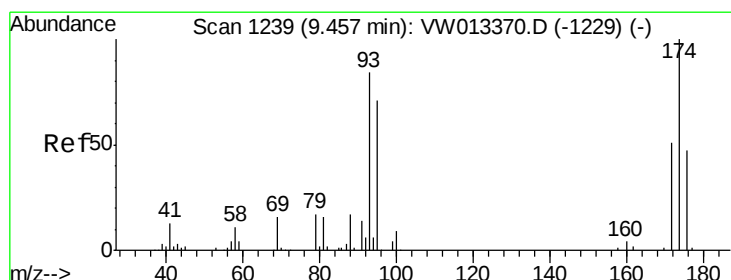
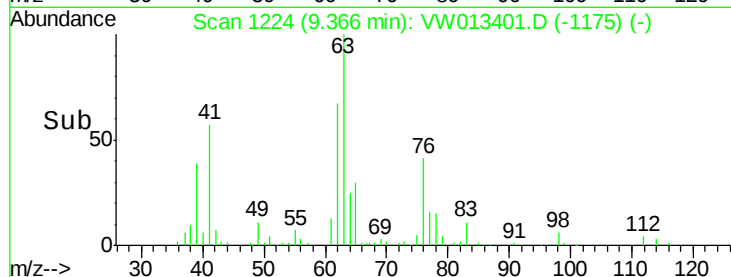
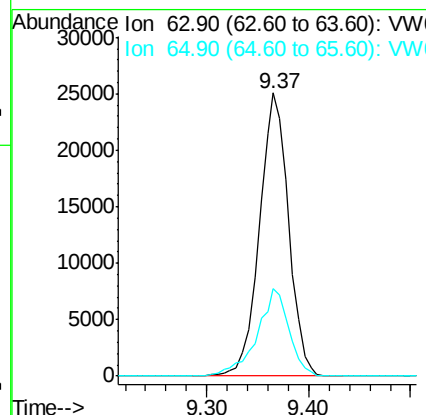
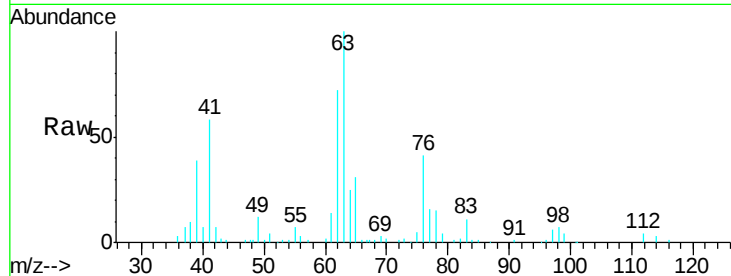




#45
 1,2-Dichloropropane
 Concen: 20.735 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

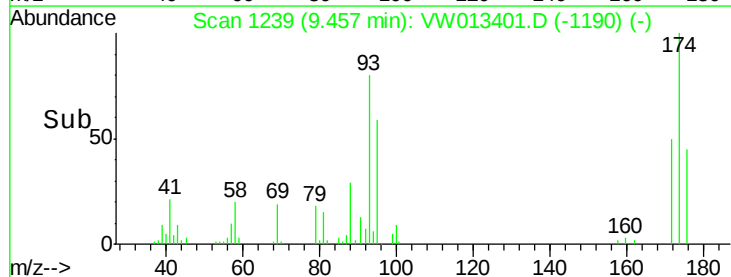
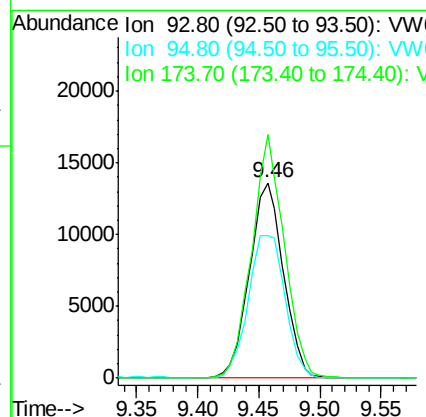
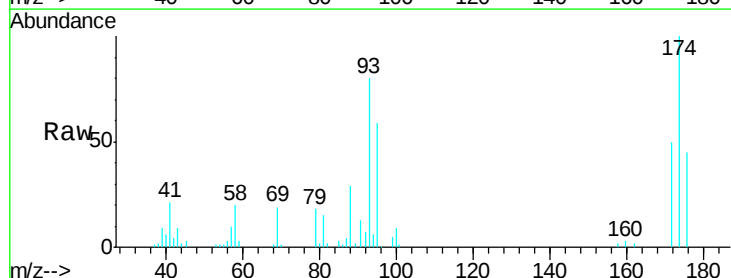
Instrument :
 MSVOA_W
 ClientSampleId :

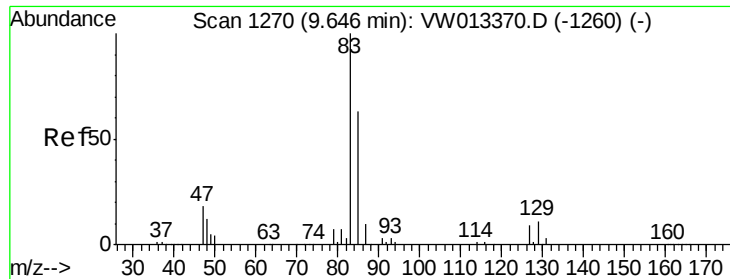
Tgt Ion: 63 Resp: 49753
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.3 37.9



#46
 Dibromomethane
 Concen: 22.074 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 93 Resp: 26382
 Ion Ratio Lower Upper
 93 100
 95 79.3 66.4 99.6
 174 119.6 93.0 139.6

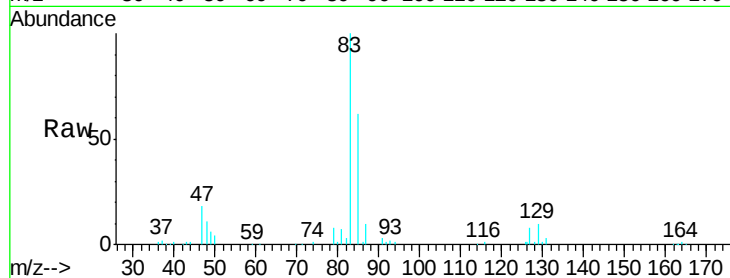




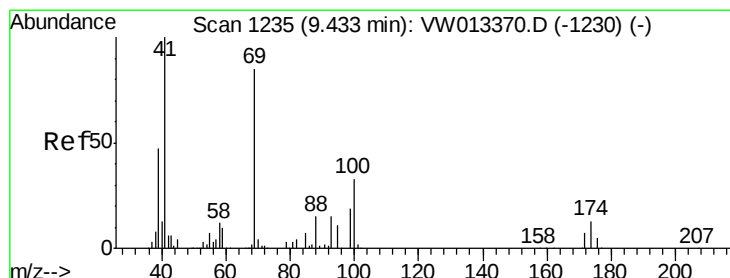
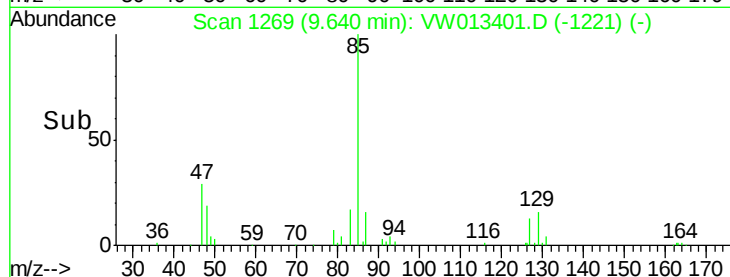
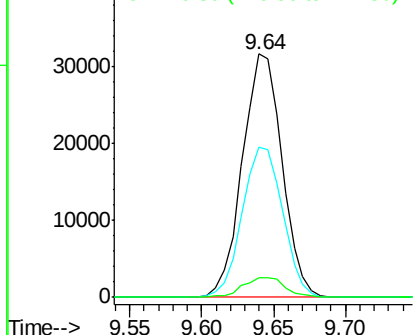
#47
Bromodichloromethane
Concen: 20.520 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 83 Resp: 60372
Ion Ratio Lower Upper
83 100
85 61.5 49.4 74.2
127 8.1 6.5 9.7

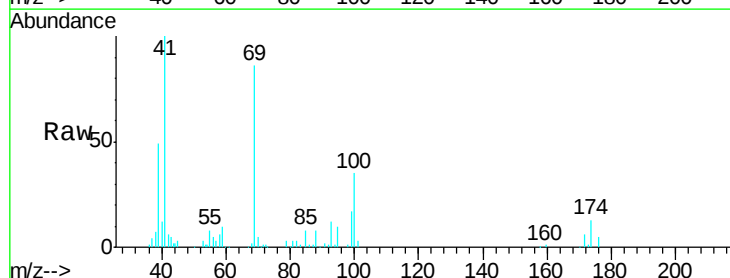


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

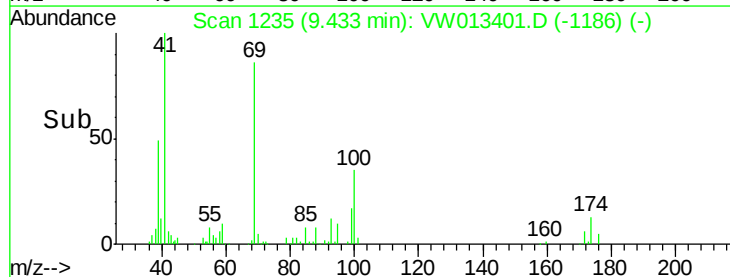
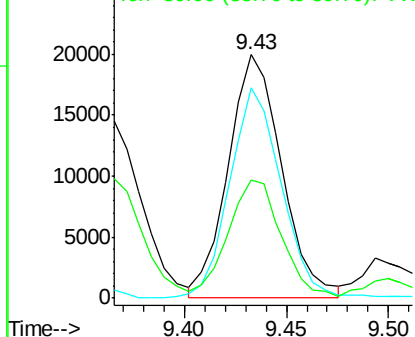


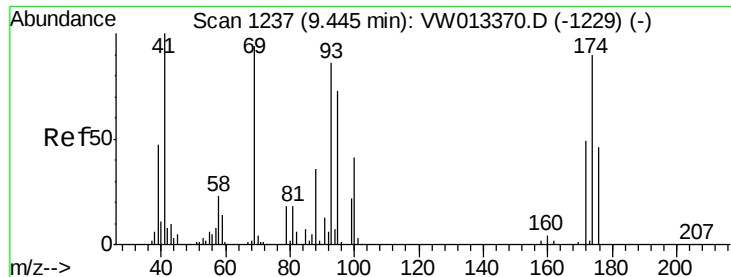
#48
Methyl methacrylate
Concen: 25.831 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 41 Resp: 36396
Ion Ratio Lower Upper
41 100
69 83.8 69.7 104.5
39 46.3 41.1 61.7



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

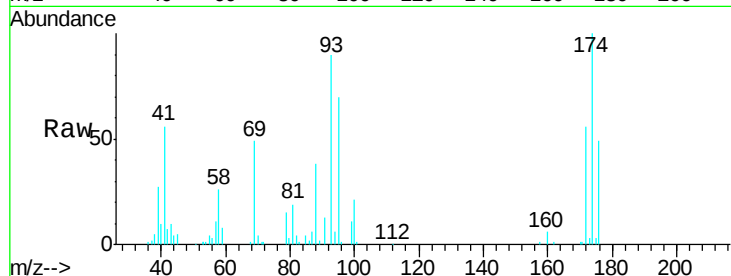




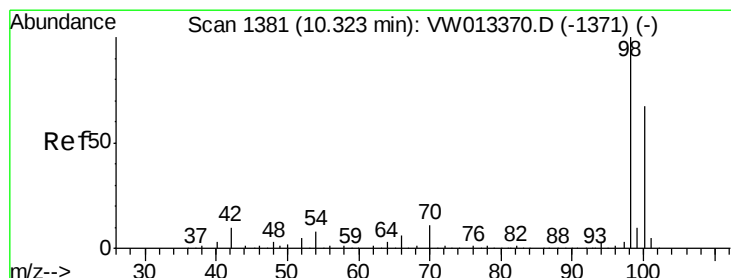
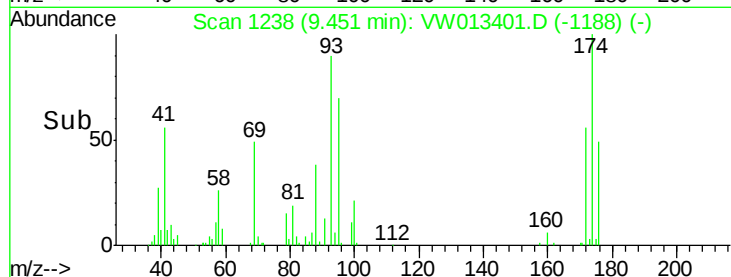
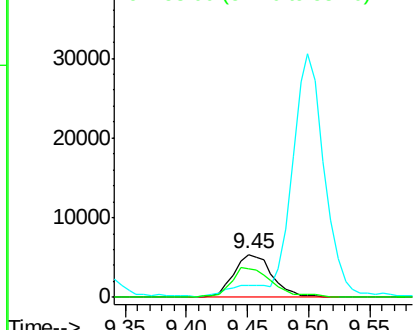
#49
1,4-Dioxane
Concen: 634.187 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 88 Resp: 11829
Ion Ratio Lower Upper
88 100
43 26.0 0.0 0.0#
58 73.8 65.4 98.0

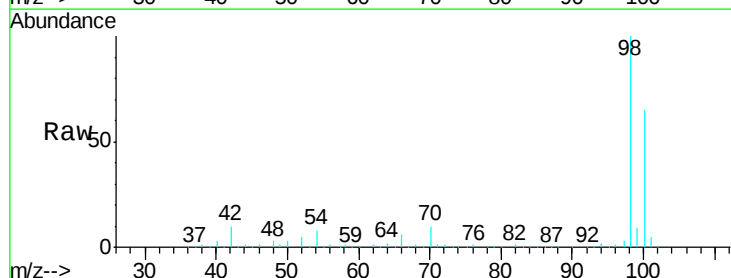


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

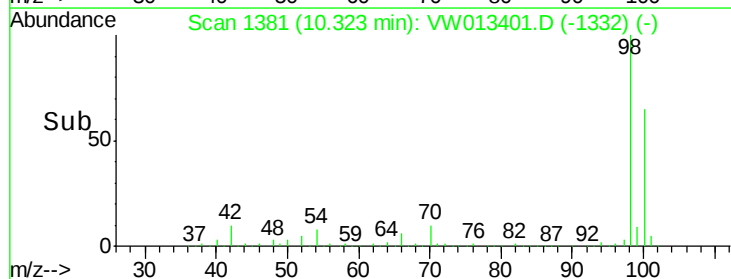
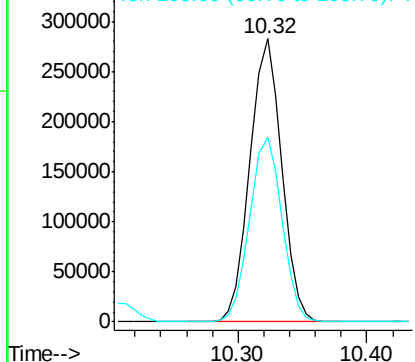


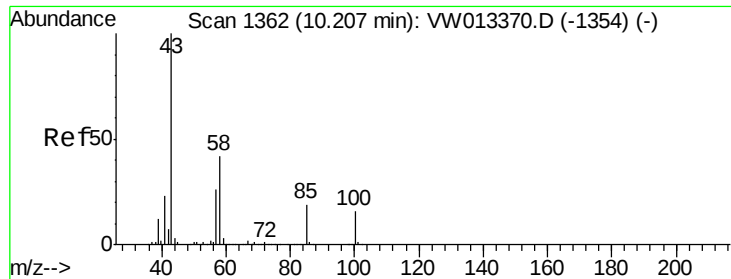
#50
Toluene-d8
Concen: 58.322 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 98 Resp: 482700
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

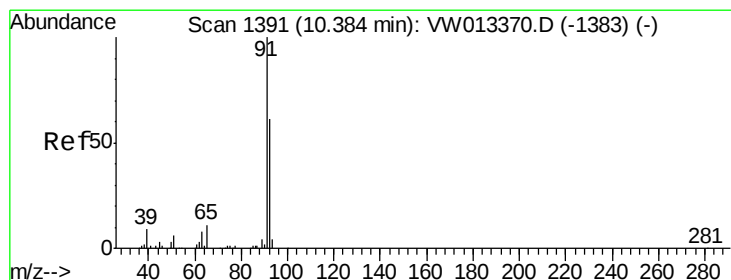
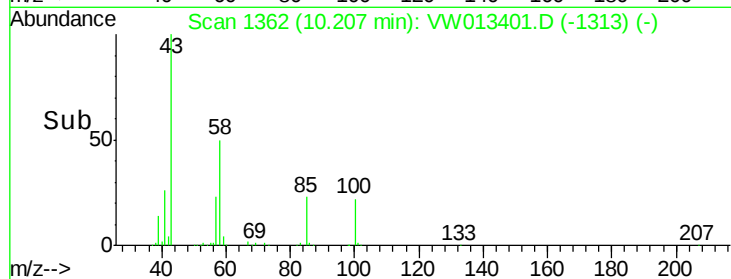
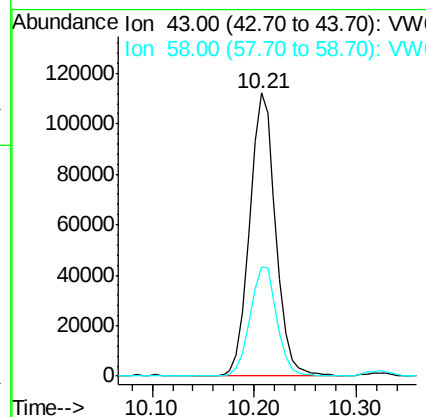
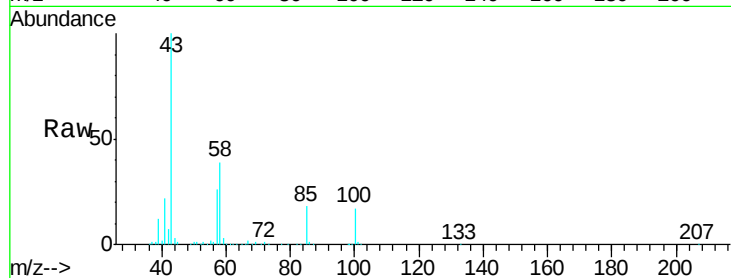




#51
 4-Methyl-2-Pentanone
 Concen: 129.114 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

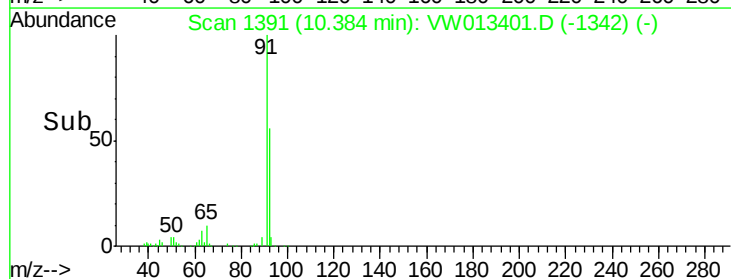
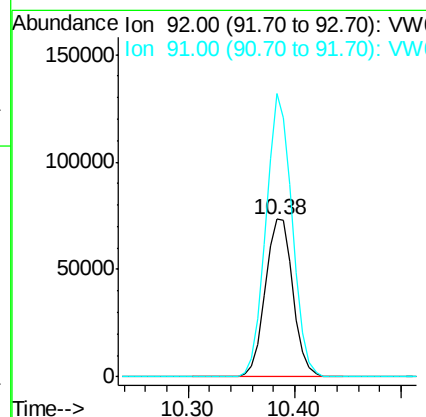
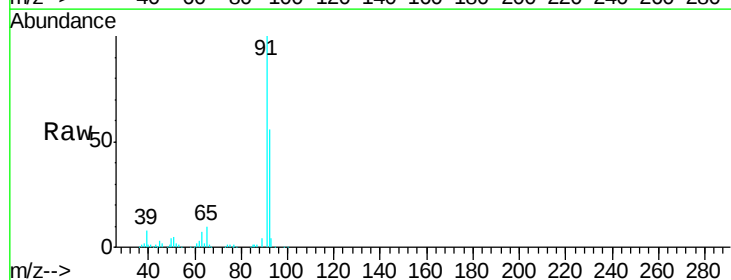
Instrument :
 MSVOA_W
 ClientSampleId :

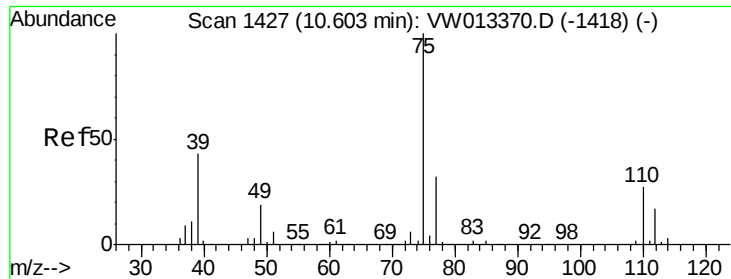
Tgt Ion: 43 Resp: 198926
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.7 47.5



#52
 Toluene
 Concen: 20.694 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 92 Resp: 133388
 Ion Ratio Lower Upper
 92 100
 91 170.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.068 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

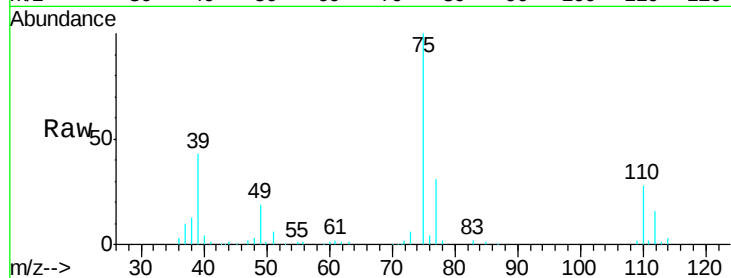
ClientSampleId :

Tgt Ion: 75 Resp: 61413

Ion Ratio Lower Upper

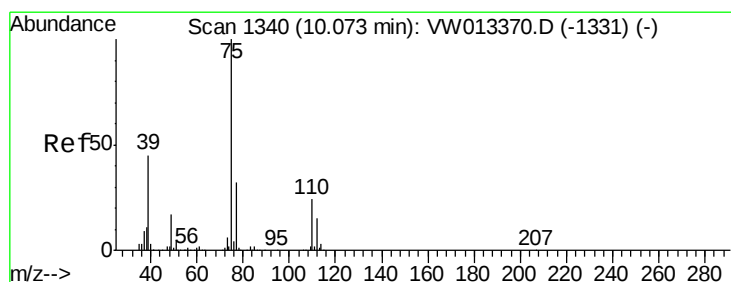
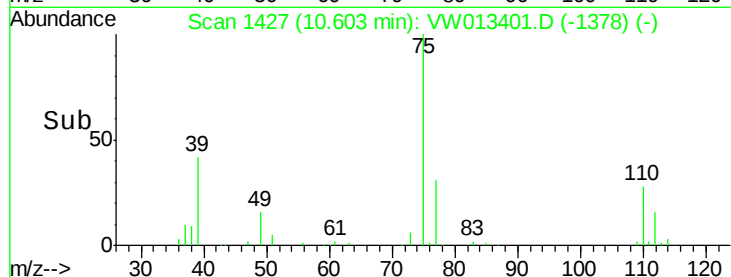
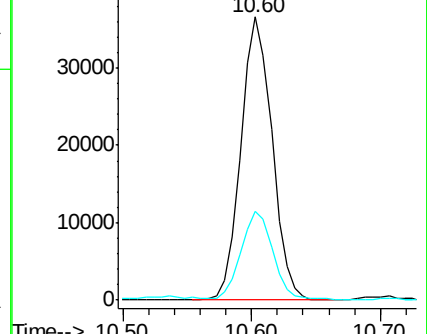
75 100

77 31.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.809 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

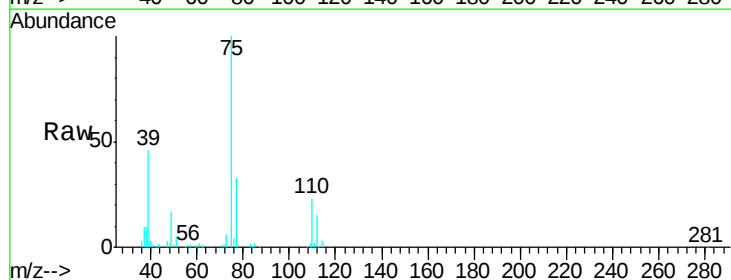
Tgt Ion: 75 Resp: 73500

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

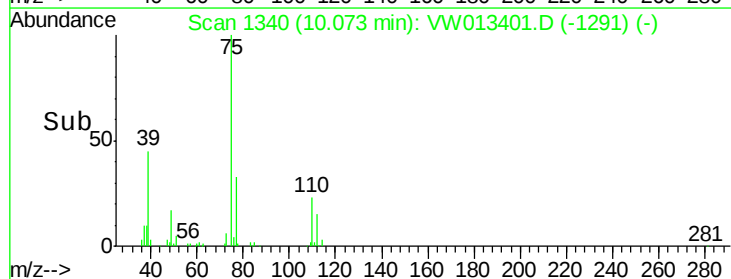
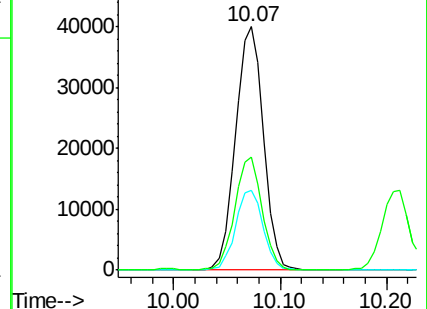
39 46.2 36.6 55.0

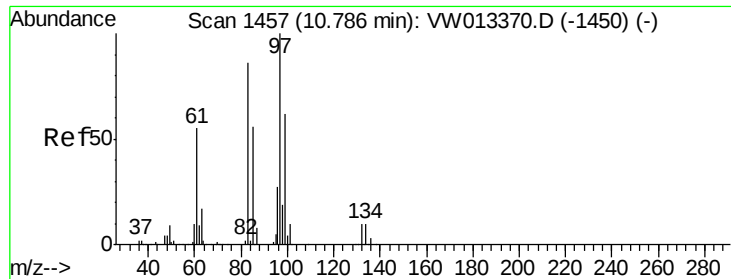


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

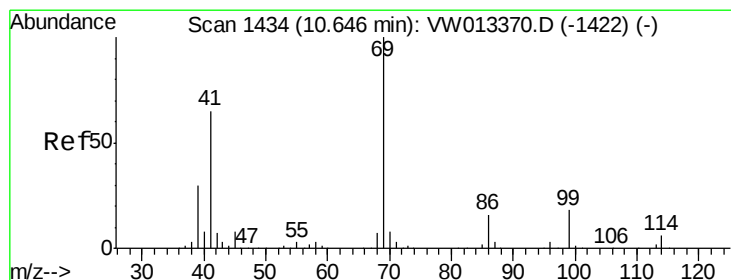
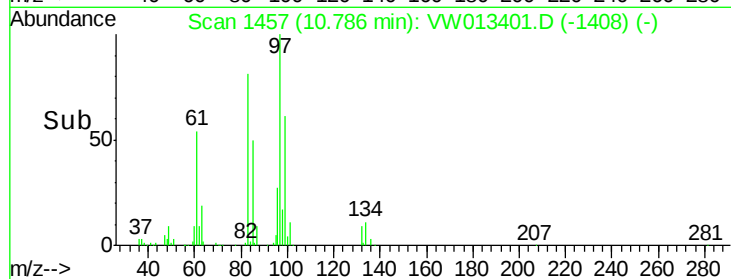
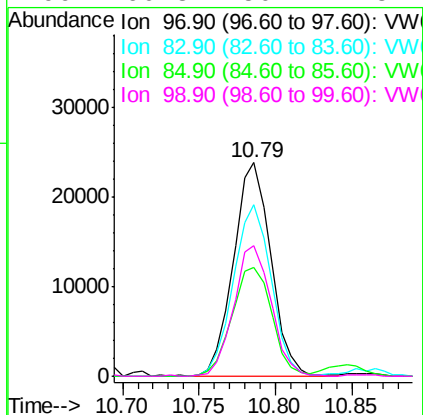
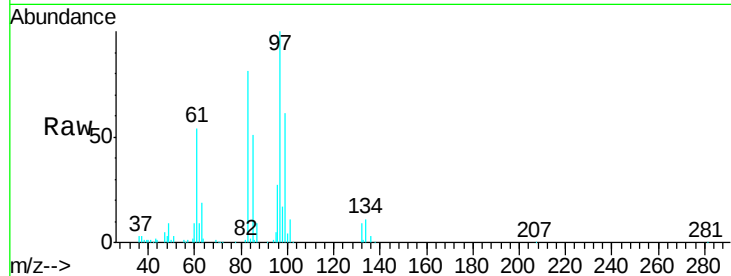




#55
 1,1,2-Trichloroethane
 Concen: 22.738 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

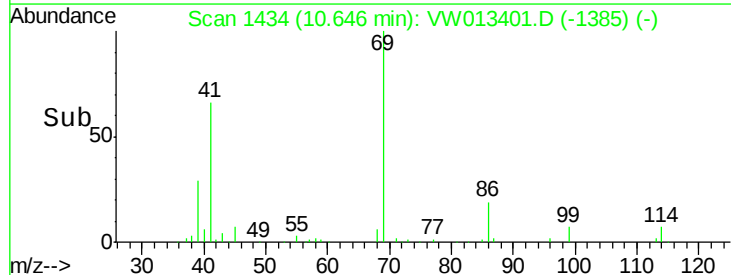
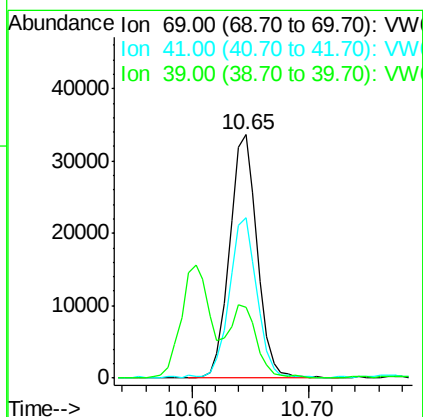
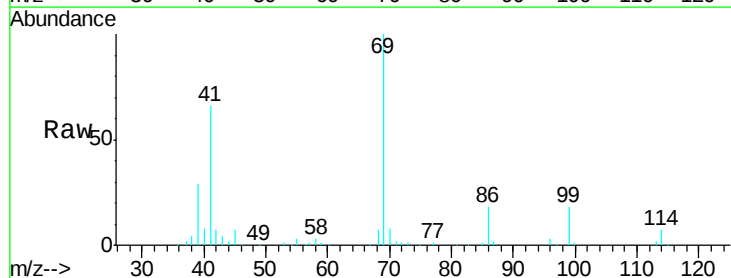
Instrument :
 MSVOA_W
 ClientSampled :

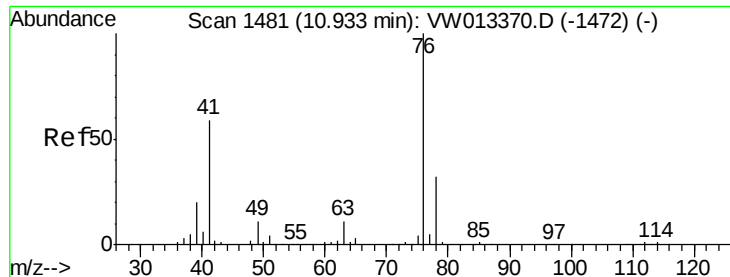
Tgt Ion:	97	Resp:	40539
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.6	101.4
85	50.9	41.9	62.9
99	60.8	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 23.092 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion:	69	Resp:	55415
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.9	80.9
39	27.1	23.8	35.6

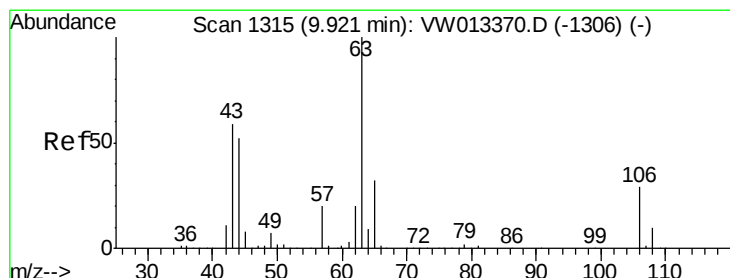
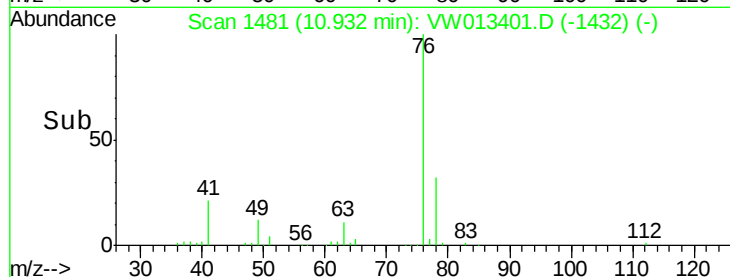
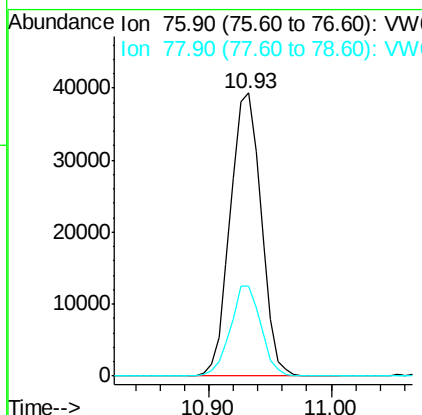
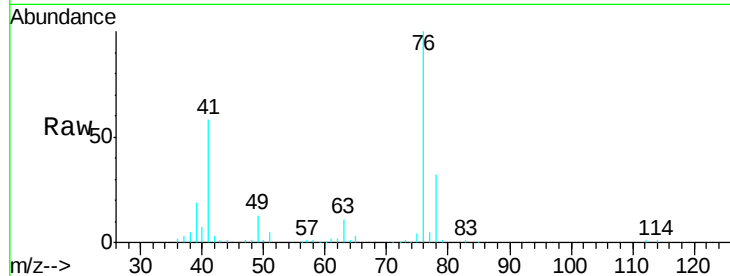




#57
 1,3-Dichloropropane
 Concen: 22.256 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

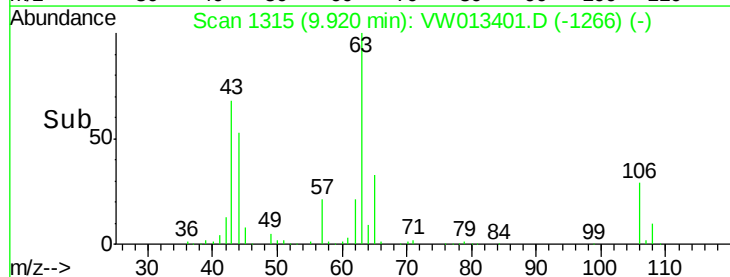
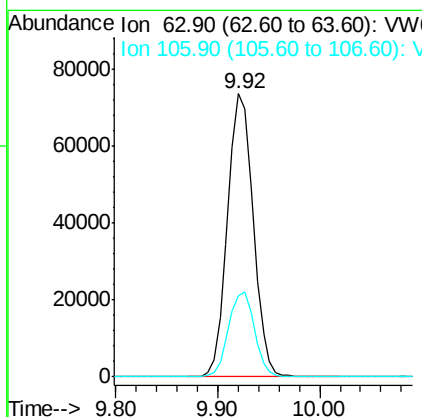
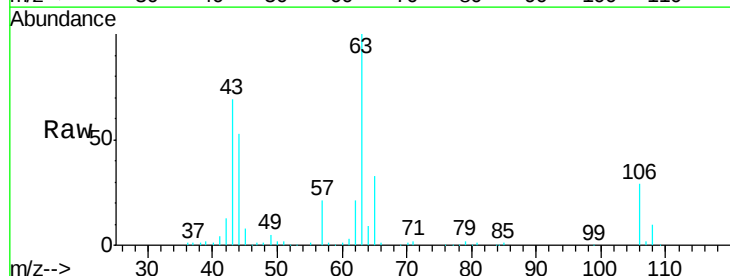
Instrument :
 MSVOA_W
 ClientSampleId :

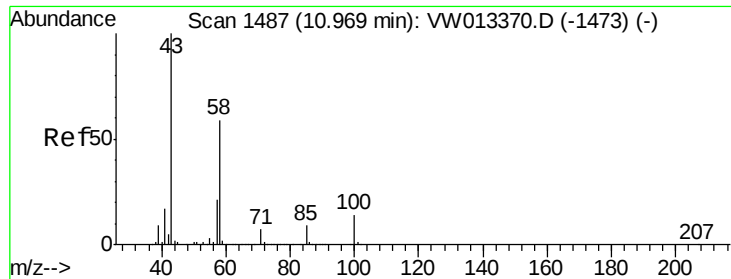
Tgt Ion: 76 Resp: 68982
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 130.161 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 63 Resp: 128307
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.4 35.0

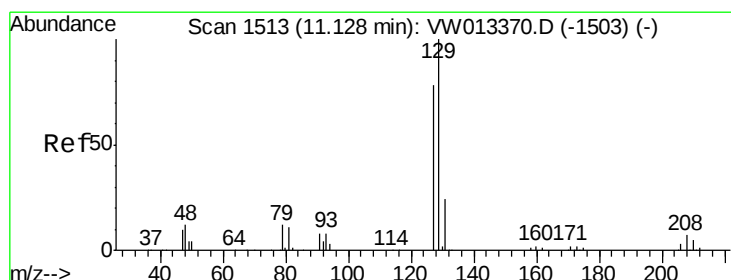
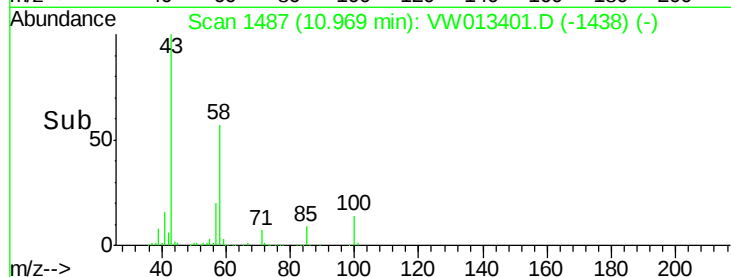
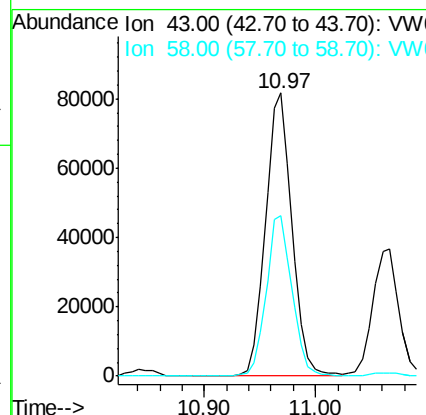
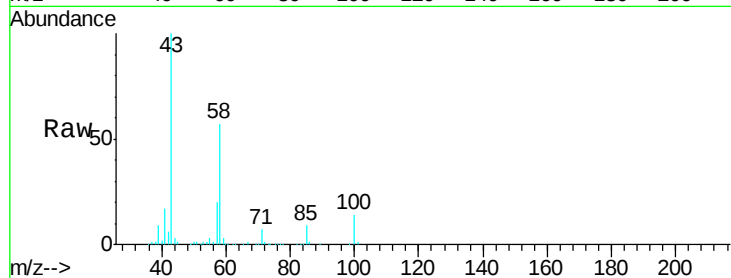




#59
2-Hexanone
Concen: 126.984 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

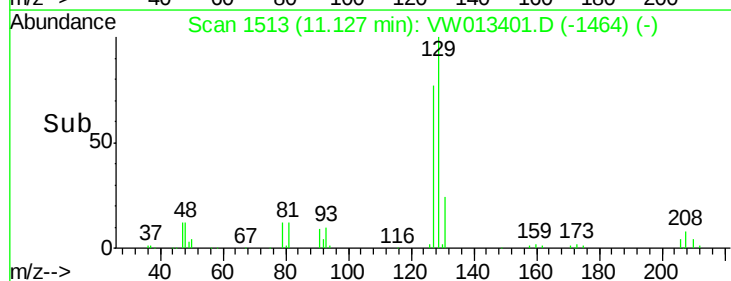
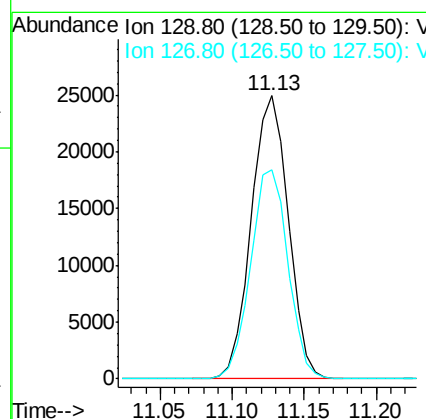
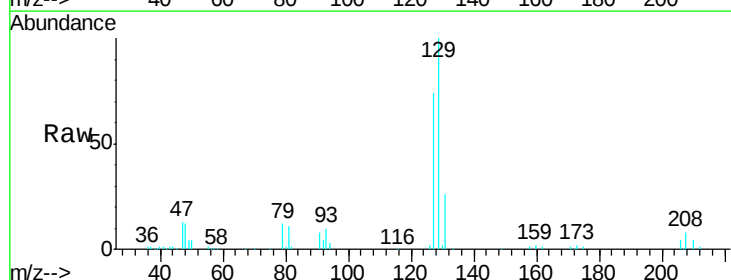
Instrument :
MSVOA_W
ClientSampleId :

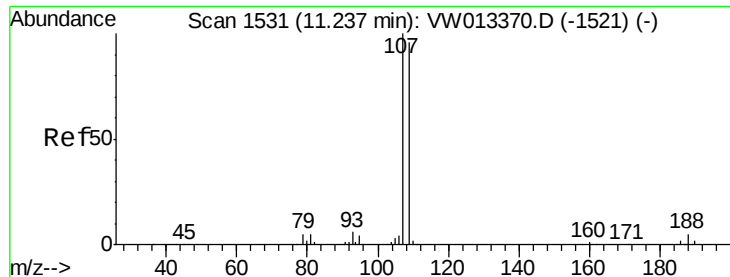
Tgt Ion: 43 Resp: 135607
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.2



#60
Dibromochloromethane
Concen: 21.679 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 129 Resp: 44218
Ion Ratio Lower Upper
129 100
127 74.5 38.8 116.4

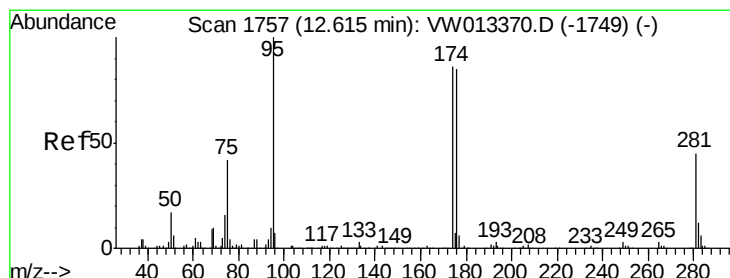
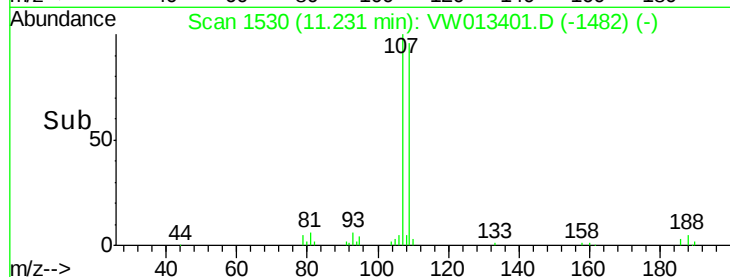
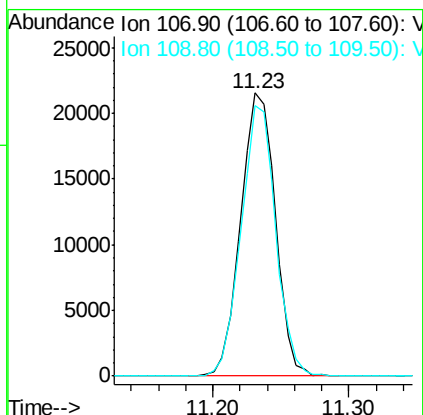
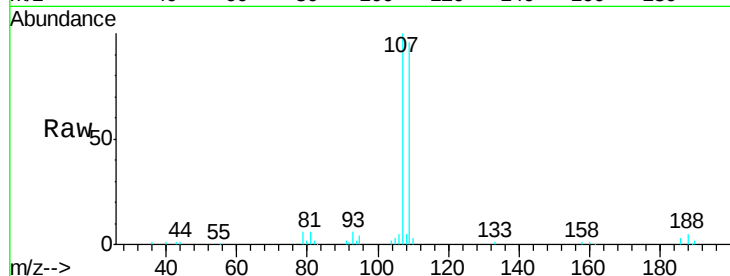




#61
 1,2-Dibromoethane
 Concen: 22.349 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

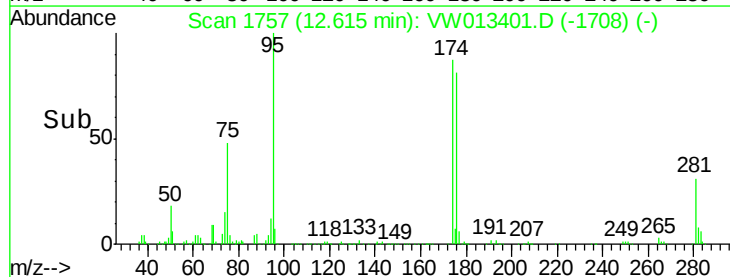
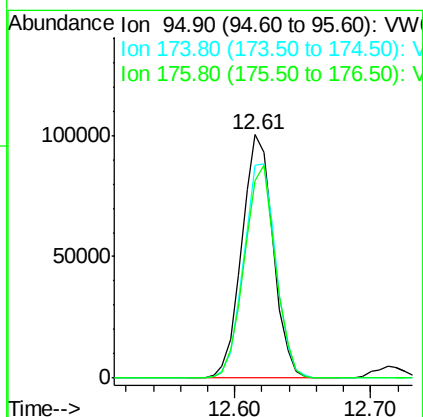
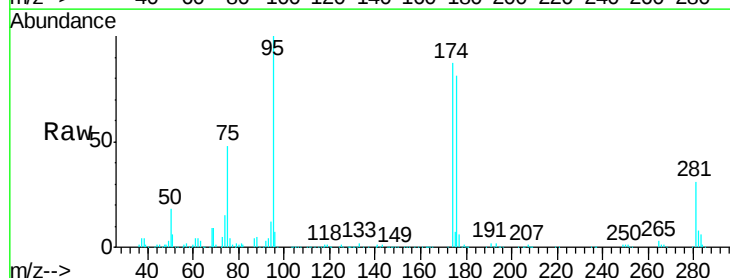
Instrument :
 MSVOA_W
 ClientSampleId :

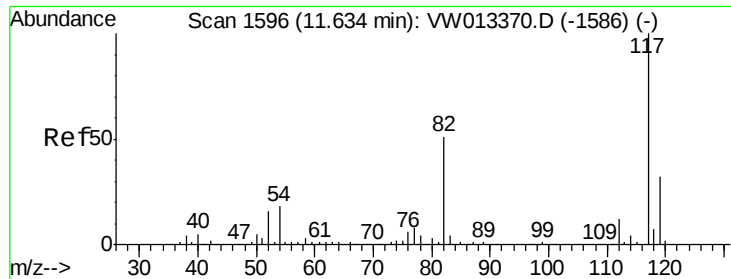
Tgt Ion: 107 Resp: 38503
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 58.372 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 95 Resp: 161331
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 178.4
 176 87.1 0.0 172.2

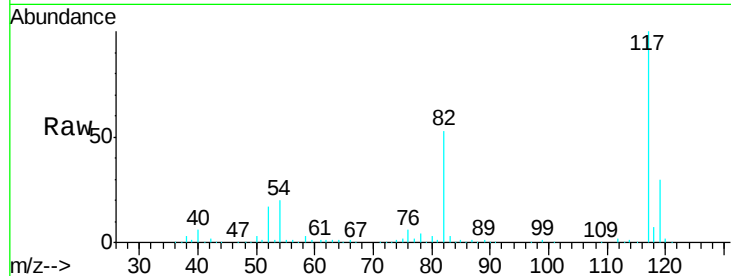




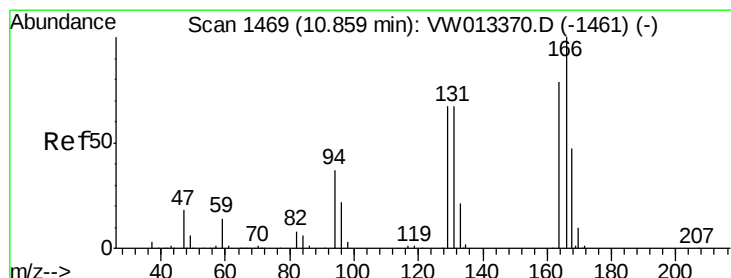
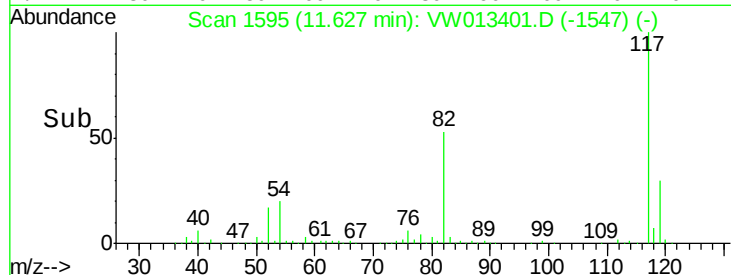
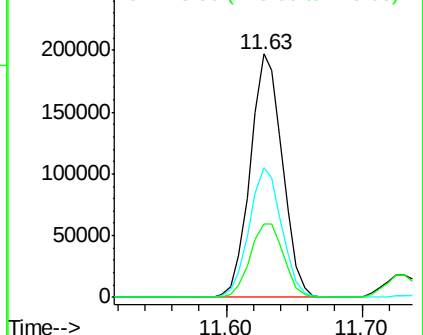
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:117 Resp: 326865
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 30.4 26.2 39.2



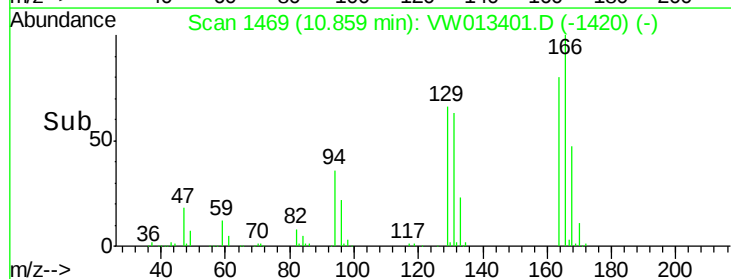
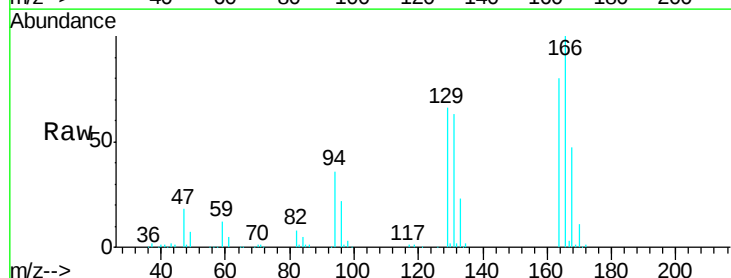
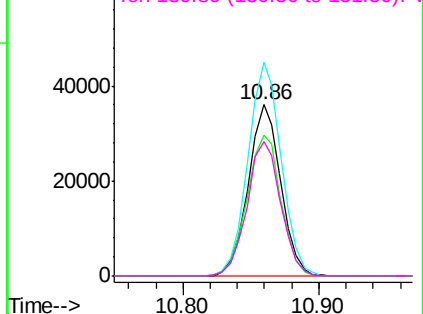
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

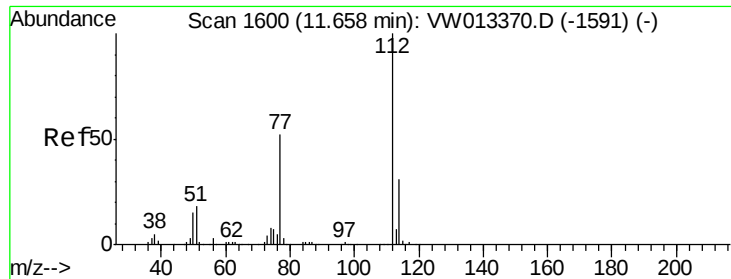


#64
Tetrachloroethene
Concen: 24.298 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:164 Resp: 60422
Ion Ratio Lower Upper
164 100
166 124.8 101.2 151.8
129 82.6 68.8 103.2
131 78.9 65.2 97.8

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

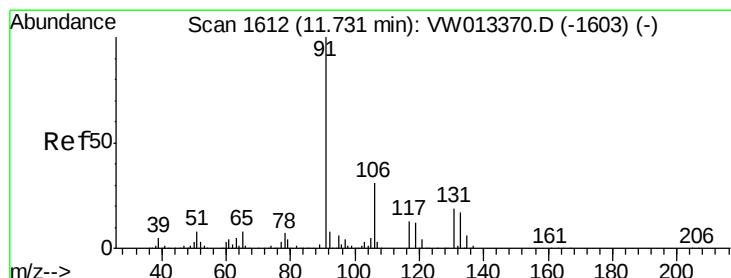
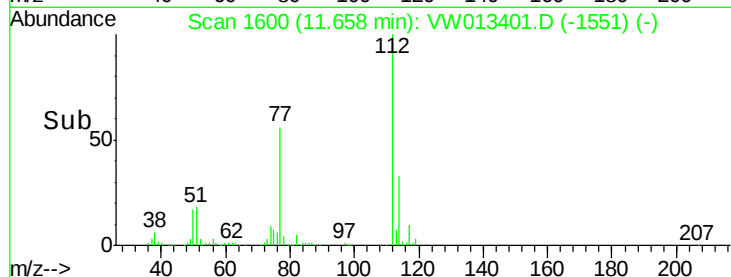
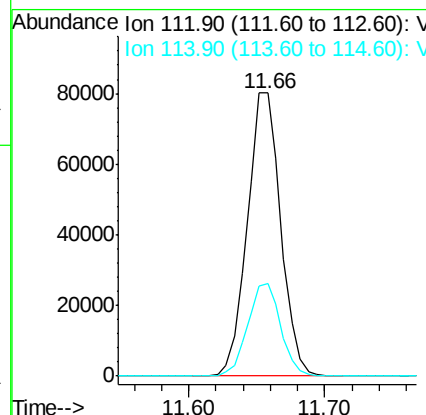
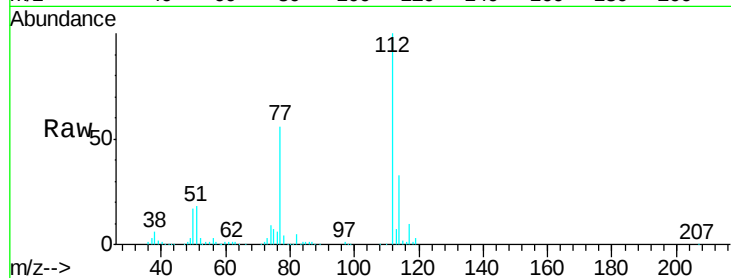




#65
Chlorobenzene
Concen: 20.610 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

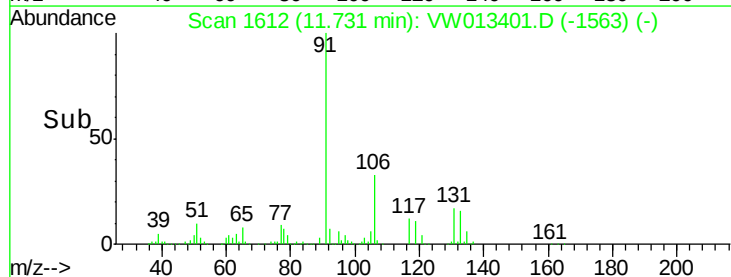
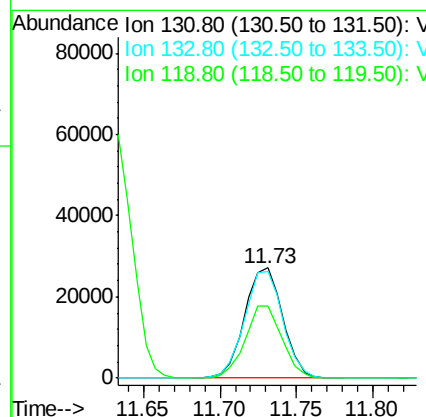
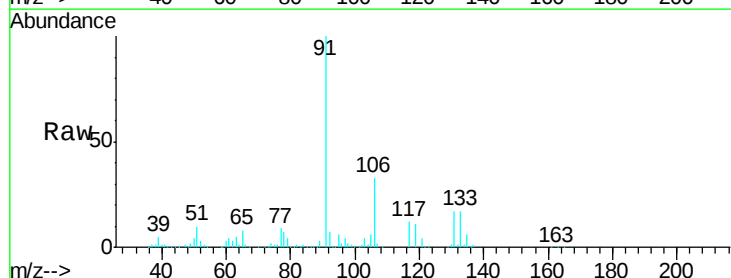
Instrument :
MSVOA_W
ClientSampleId :

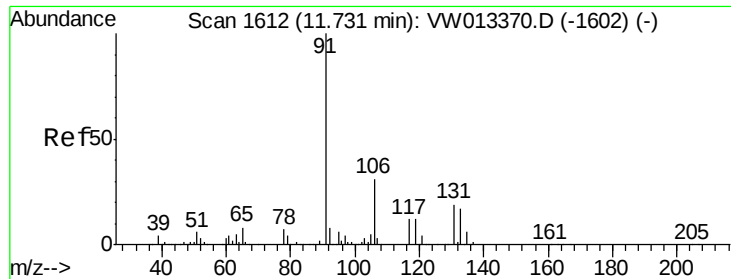
Tgt Ion:112 Resp: 138012
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.650 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:131 Resp: 47098
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.6
119 63.8 32.5 97.5

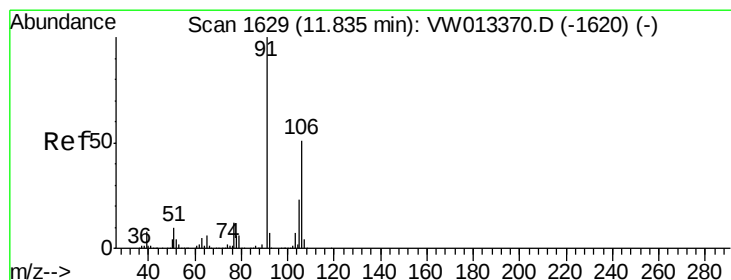
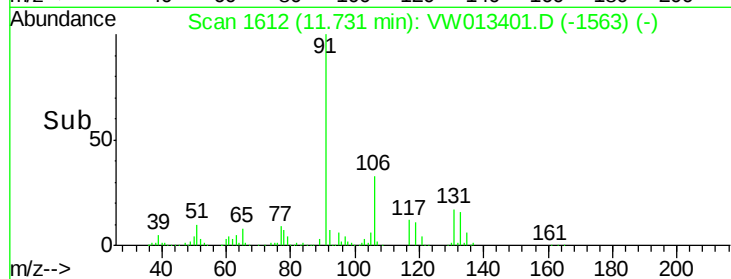
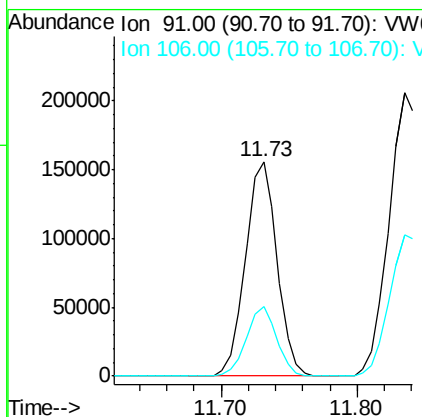
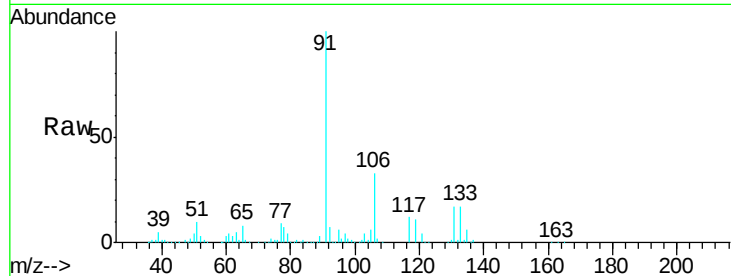




#67
Ethyl Benzene
Concen: 21.065 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

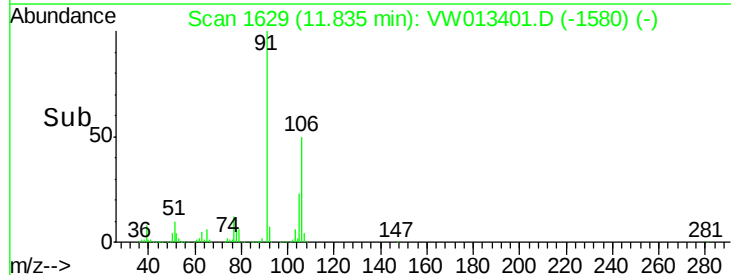
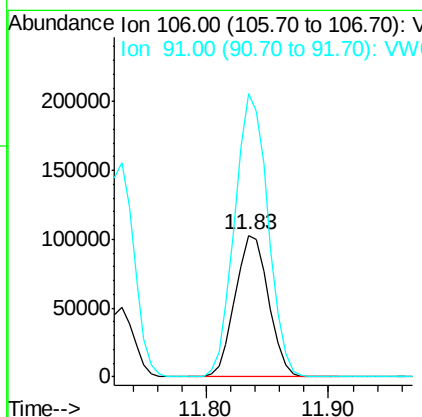
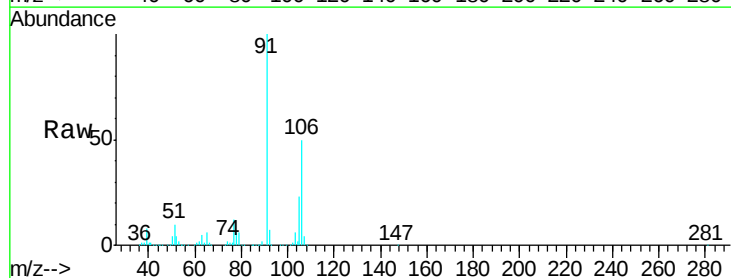
Instrument :
MSVOA_W
ClientSampleId :

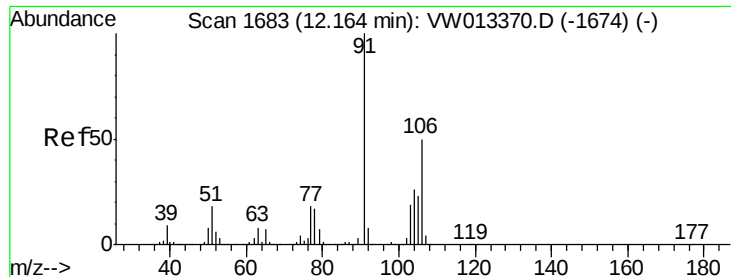
Tgt Ion: 91 Resp: 252813
Ion Ratio Lower Upper
91 100
106 32.6 24.9 37.3



#68
m/p-Xylenes
Concen: 42.044 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 106 Resp: 194771
Ion Ratio Lower Upper
106 100
91 199.3 157.9 236.9

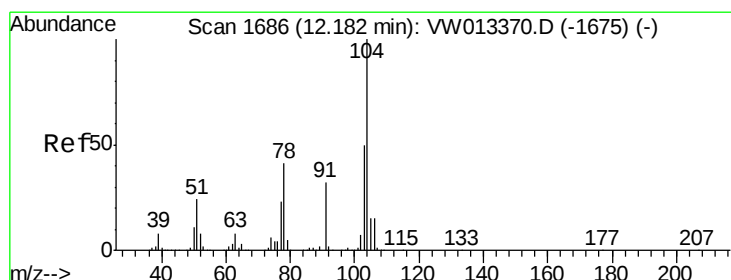
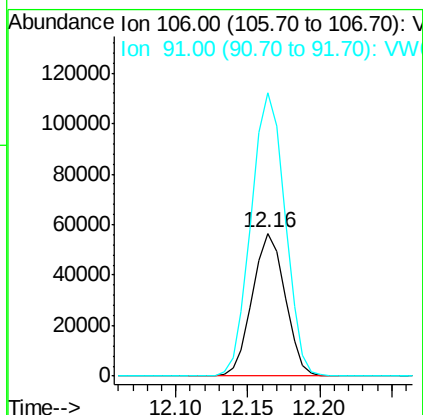
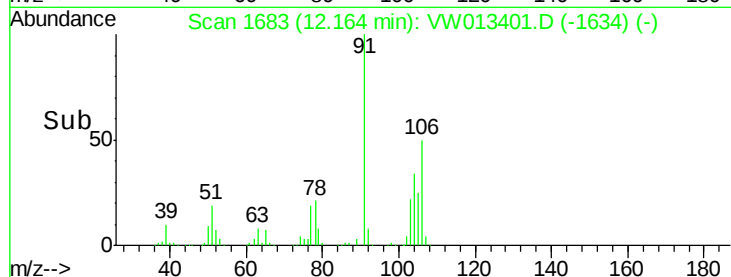
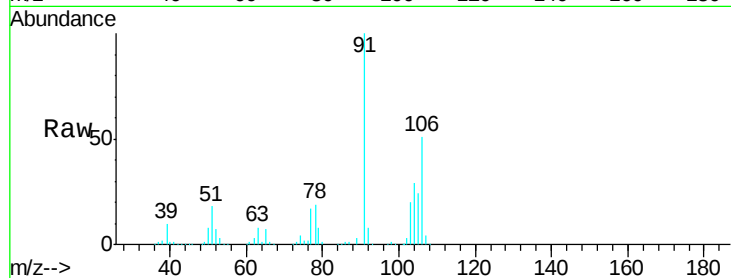




#69
o-Xylene
Concen: 20.732 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

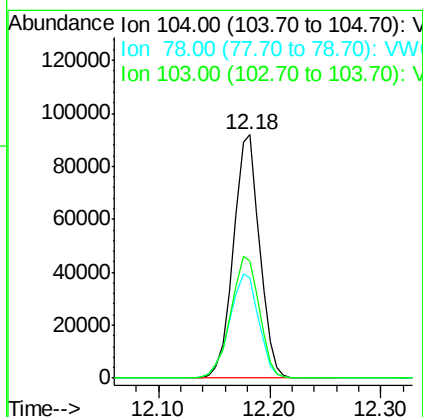
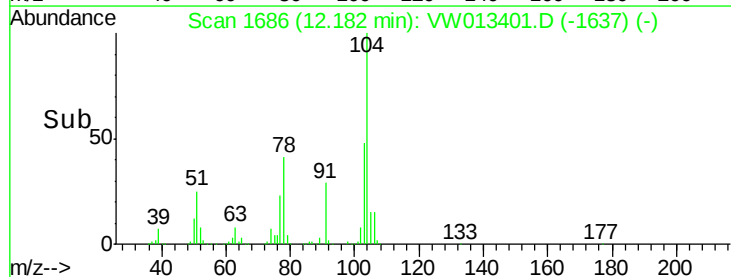
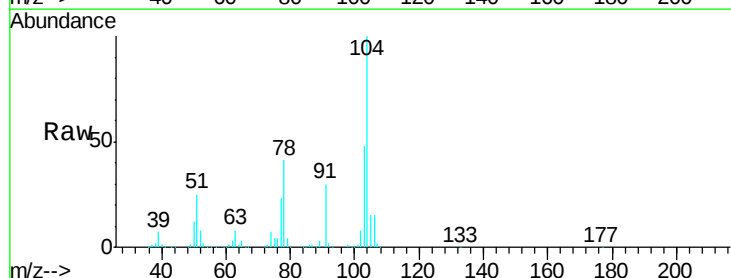
Instrument :
MSVOA_W
ClientSampled :

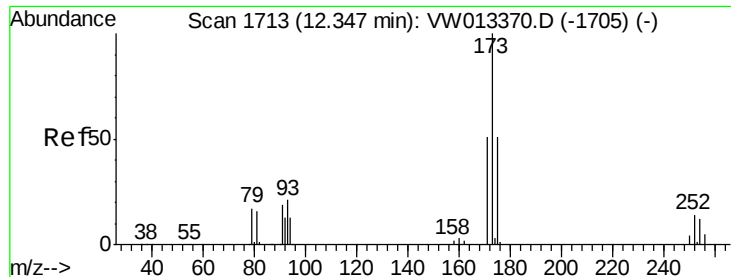
Tgt Ion:106 Resp: 88800
Ion Ratio Lower Upper
106 100
91 206.2 106.5 319.5



#70
Styrene
Concen: 20.467 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:104 Resp: 149856
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 54.5 43.3 64.9





#71

Bromoform

Concen: 22.624 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

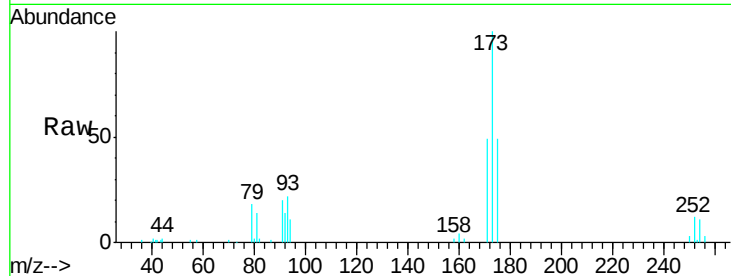
Tgt Ion:173 Resp: 27976

Ion Ratio Lower Upper

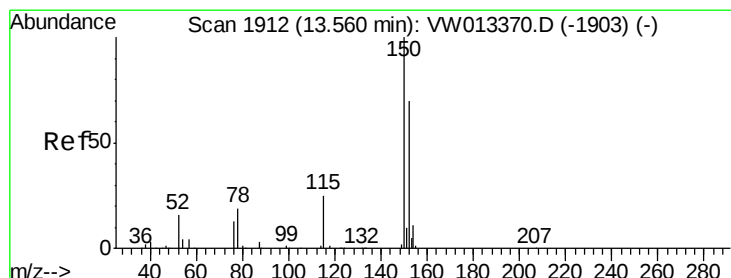
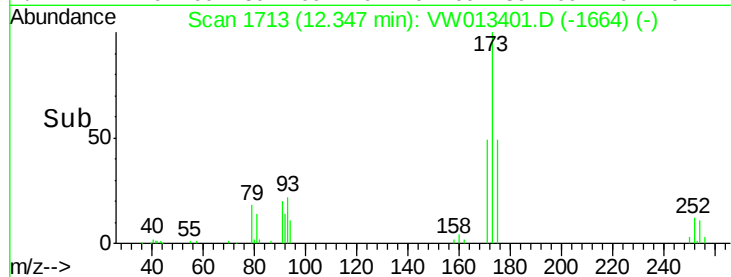
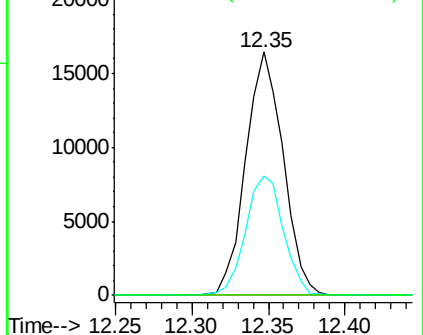
173 100

175 49.6 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

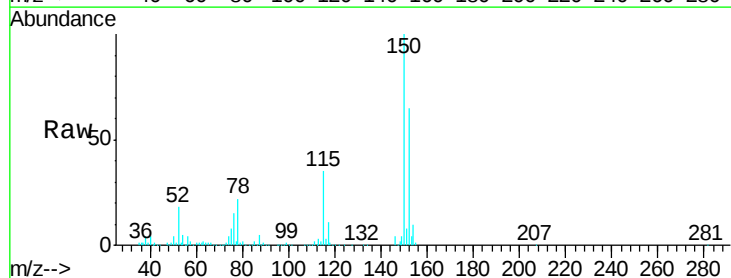
Tgt Ion:152 Resp: 168524

Ion Ratio Lower Upper

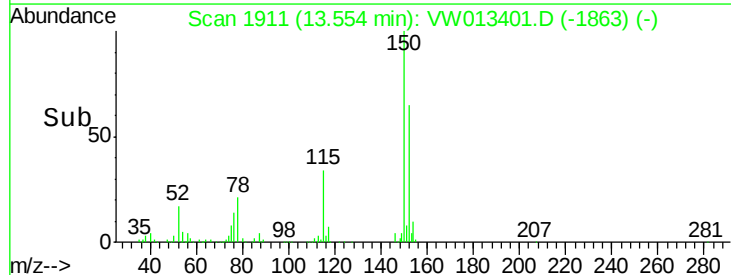
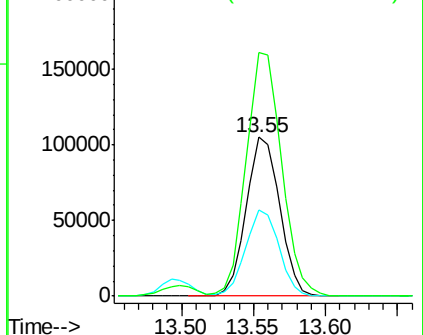
152 100

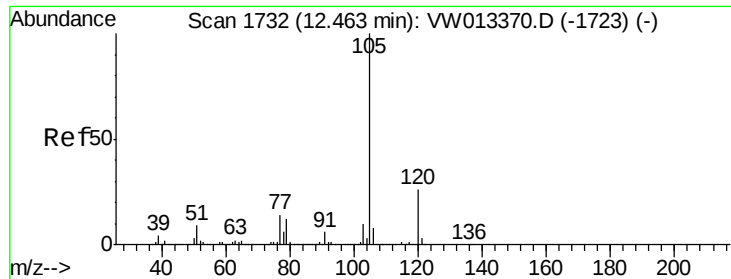
115 54.5 27.3 81.9

150 163.4 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.947 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

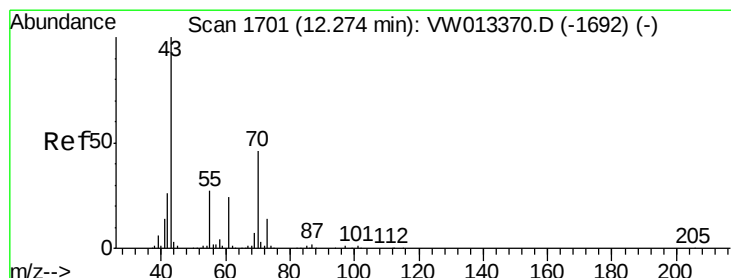
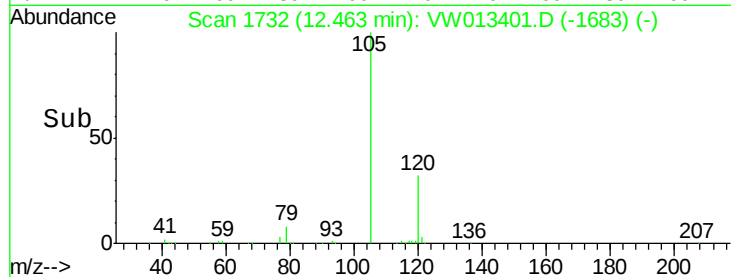
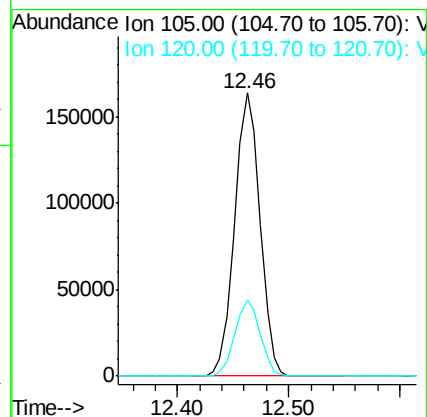
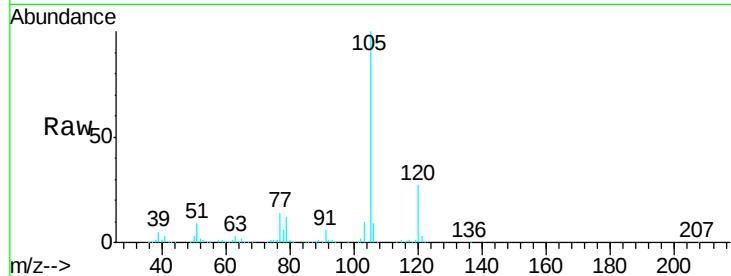
ClientSampleId :

Tgt Ion:105 Resp: 258213

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.1



#74

N-ethyl acetate

Concen: 22.672 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion: 43 Resp: 59479

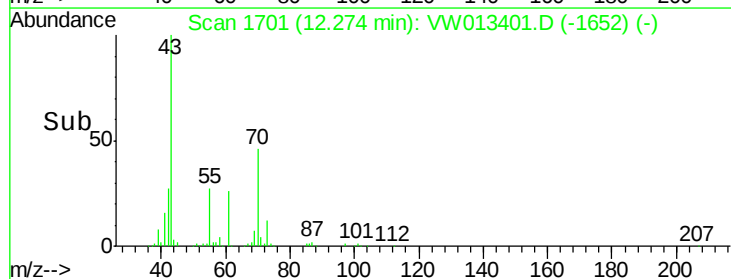
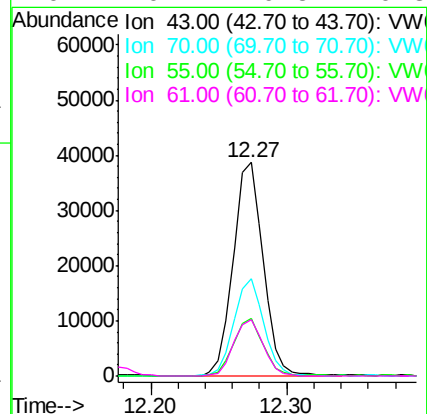
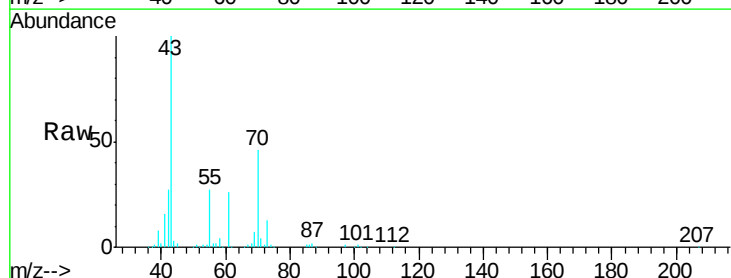
Ion Ratio Lower Upper

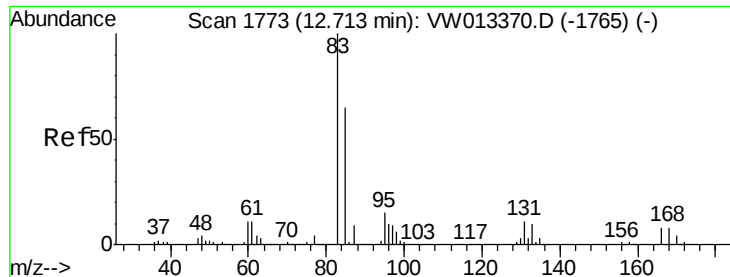
43 100

70 45.8 35.1 52.7

55 27.1 19.9 29.9

61 26.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.543 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013401.D

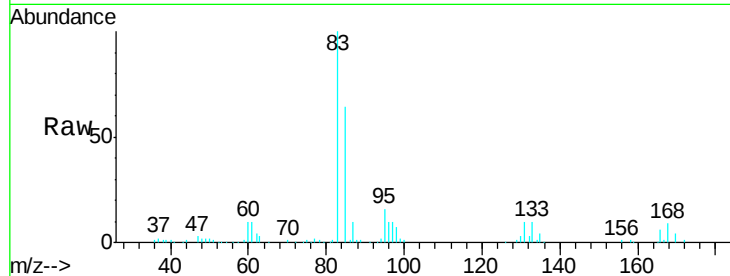
Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampled :

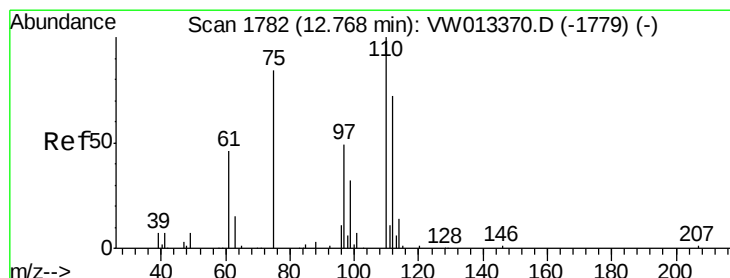
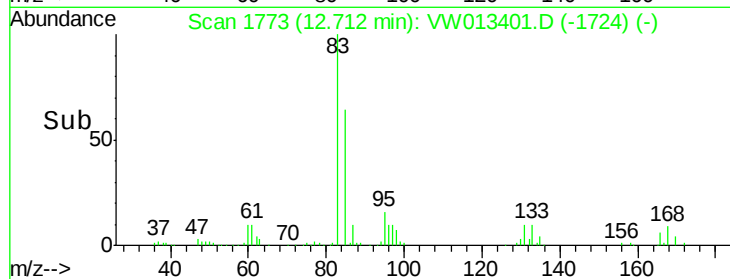
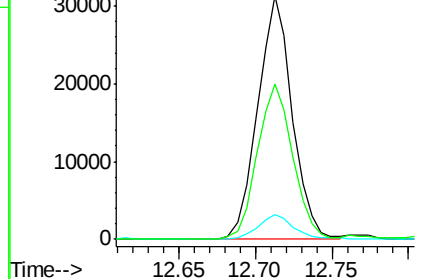
Tgt Ion:	83	Resp:	49121
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	65.5	31.9	95.9



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: 41.490 ug/l

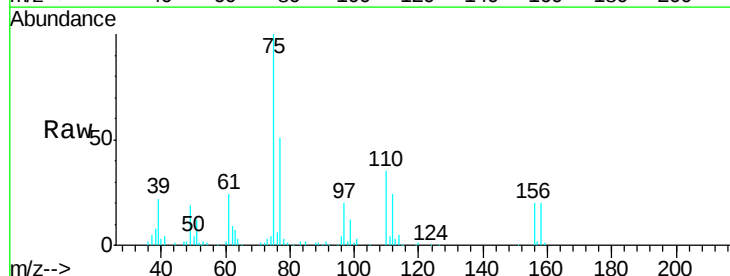
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013401.D

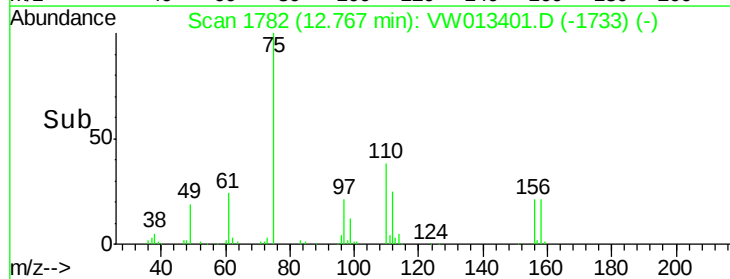
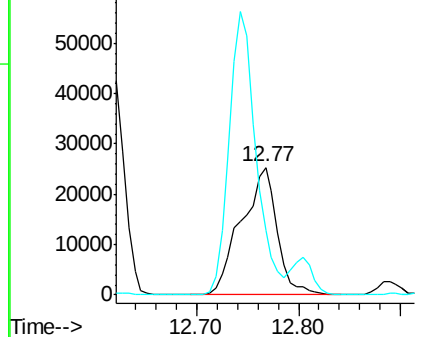
Acq: 03 Oct 2019 03:18

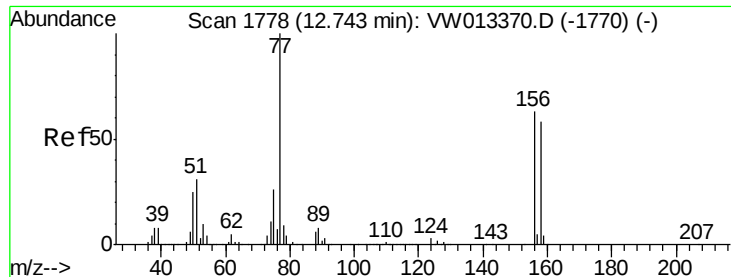
Tgt Ion:	75	Resp:	62143
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.753 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampled :

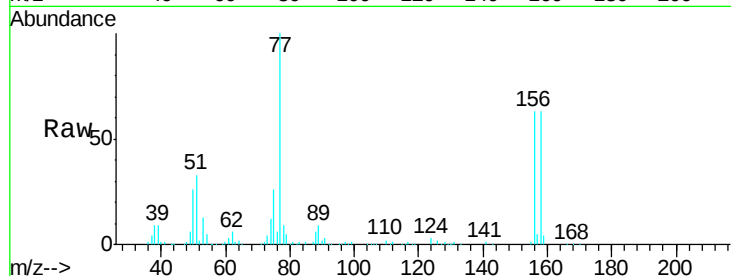
Tgt Ion:156 Resp: 58469

Ion Ratio Lower Upper

156 100

77 176.0 85.7 257.1

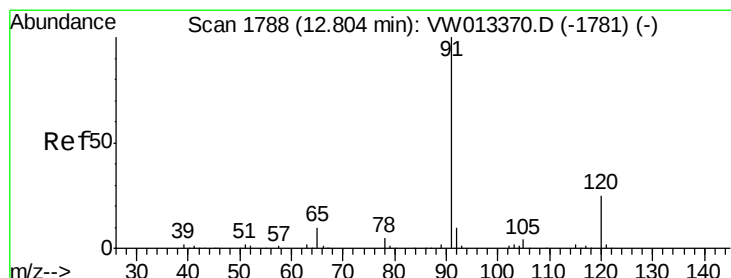
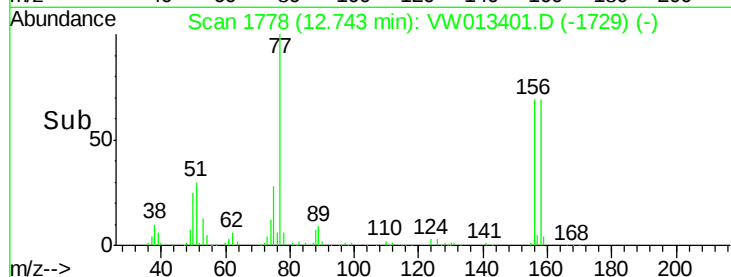
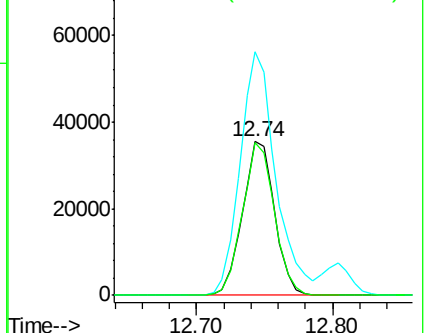
158 99.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.819 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013401.D

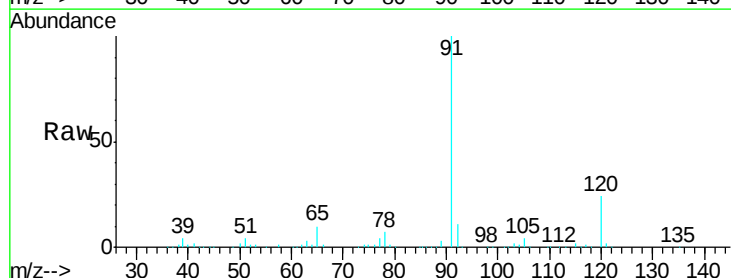
Acq: 03 Oct 2019 03:18

Tgt Ion: 91 Resp: 295210

Ion Ratio Lower Upper

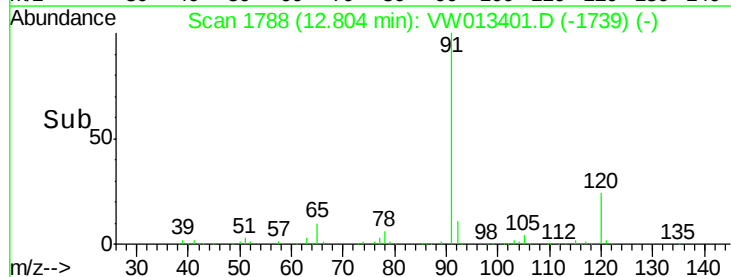
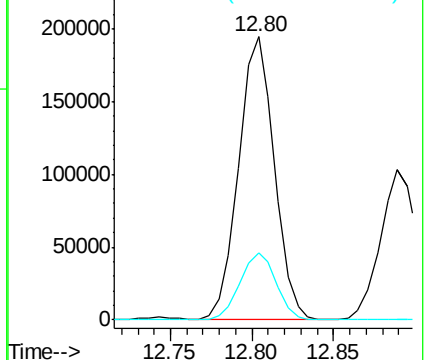
91 100

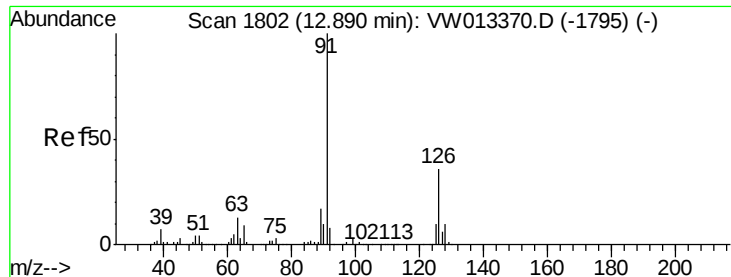
120 24.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

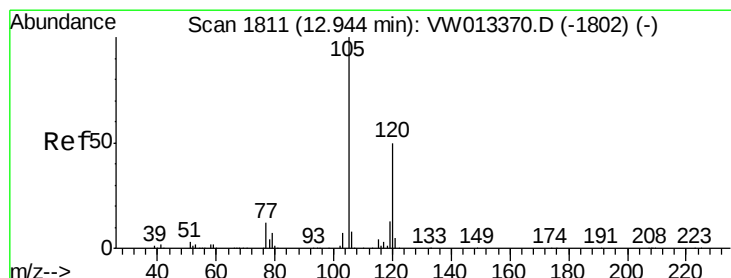
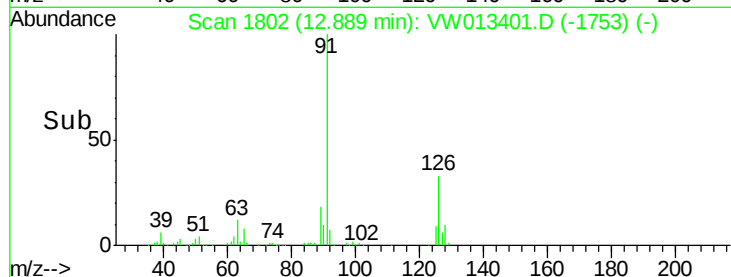
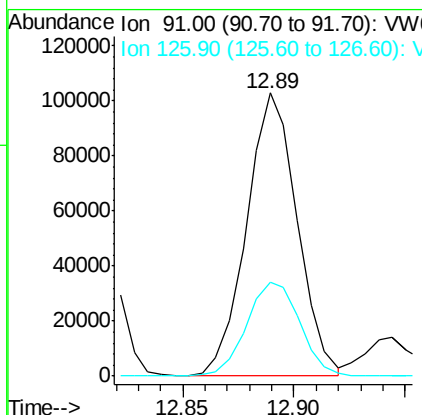
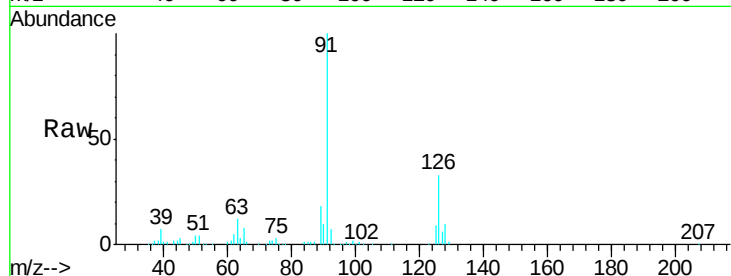




#79
 2-Chlorotoluene
 Concen: 20.577 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

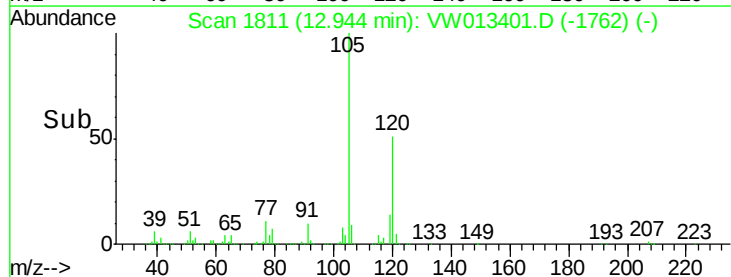
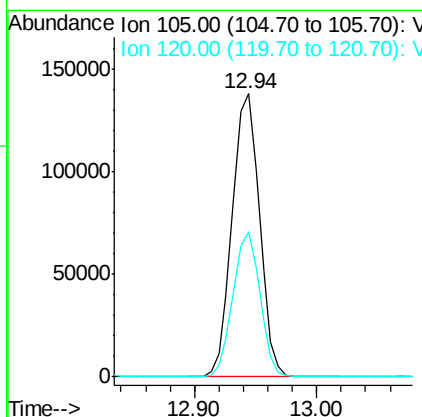
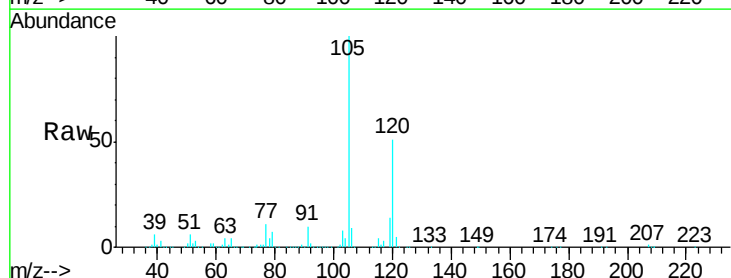
Instrument :
 MSVOA_W
 ClientSampled :

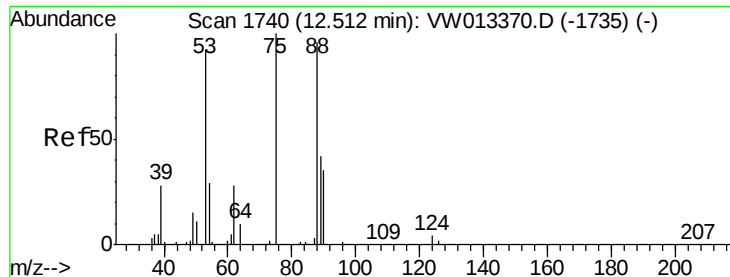
Tgt Ion: 91 Resp: 162064
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.822 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 105 Resp: 213218
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.9 74.8

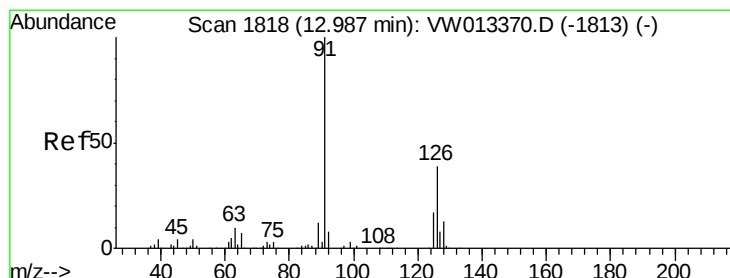
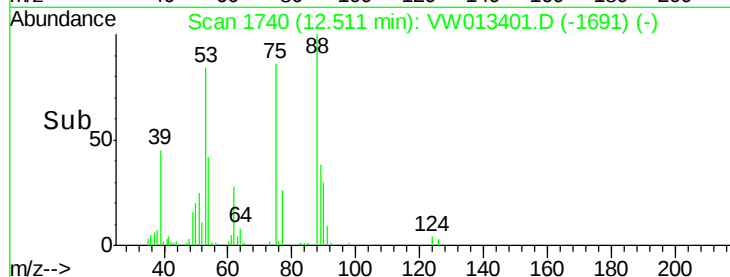
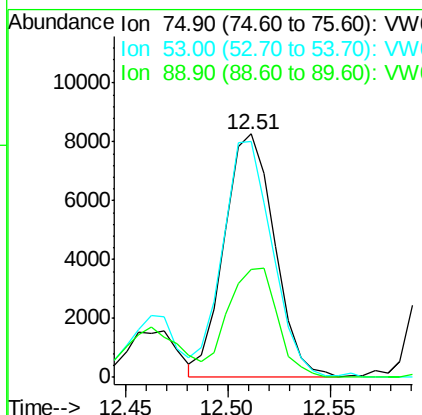
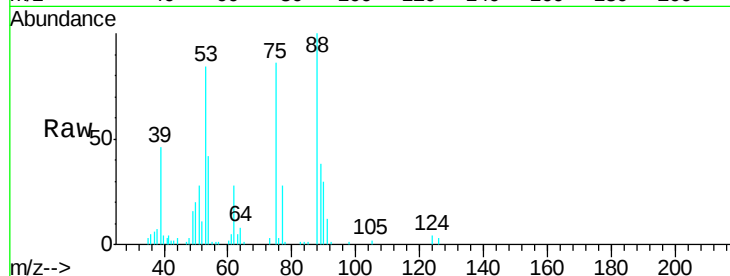




#81
trans-1,4-Dichloro-2-butene
Concen: 22.579 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

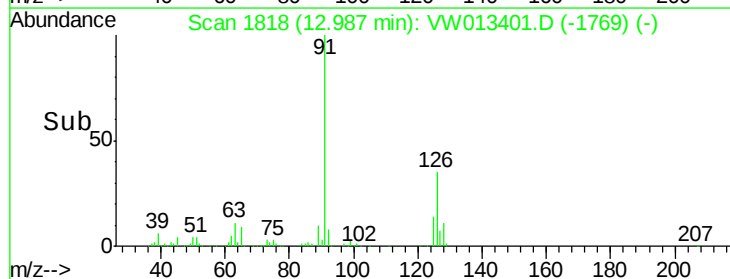
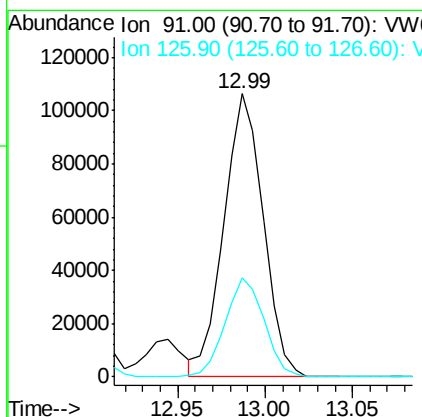
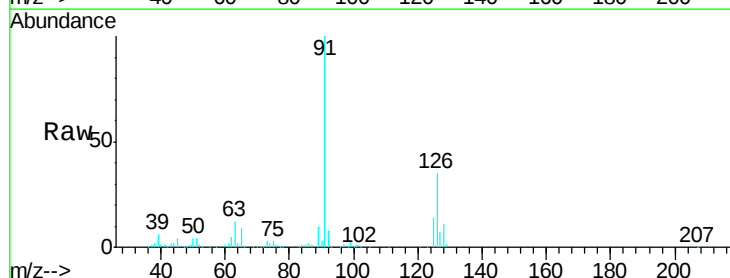
Instrument :
MSVOA_W
ClientSampled :

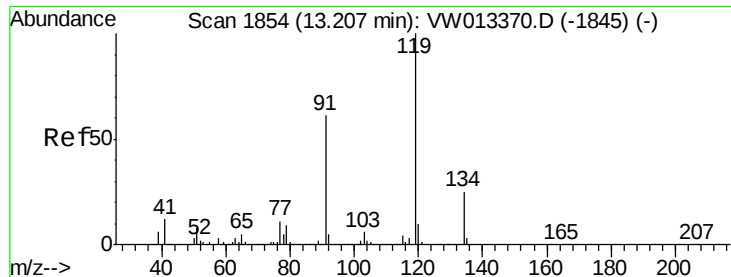
Tgt Ion: 75 Resp: 14132
Ion Ratio Lower Upper
75 100
53 96.8 76.6 114.8
89 44.1 33.5 50.3



#82
4-Chlorotoluene
Concen: 20.093 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 91 Resp: 165766
Ion Ratio Lower Upper
91 100
126 34.7 17.3 51.7

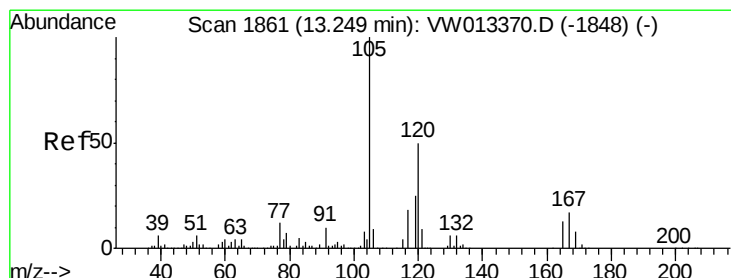
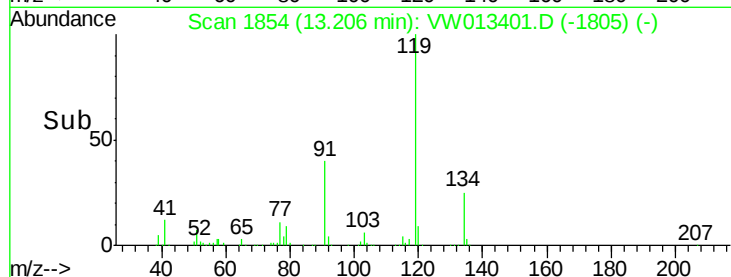
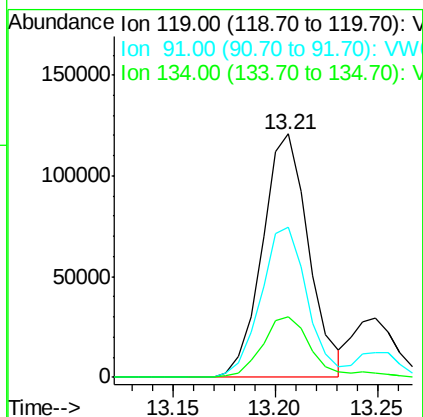
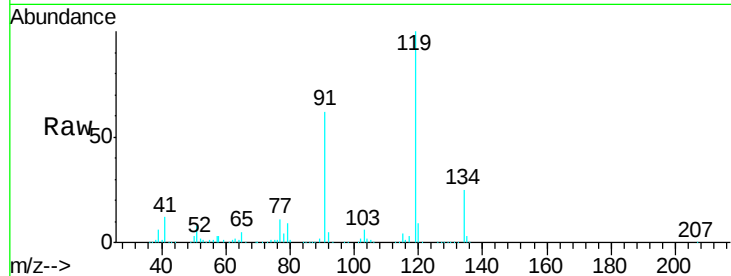




#83
tert-Butylbenzene
Concen: 21.405 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

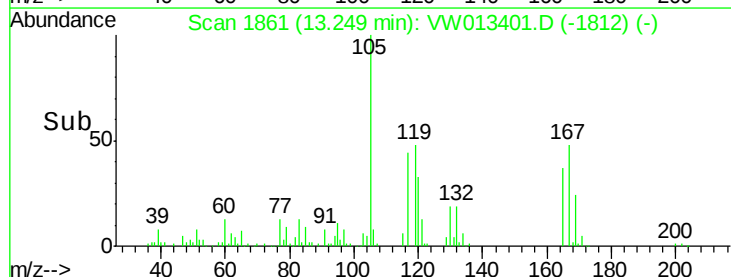
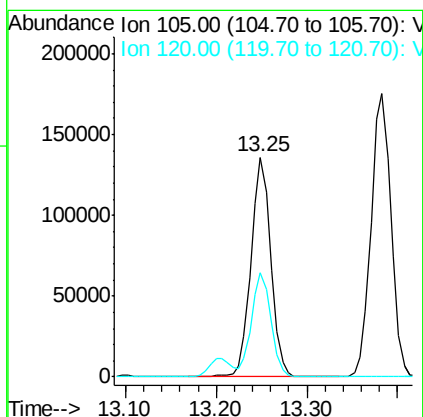
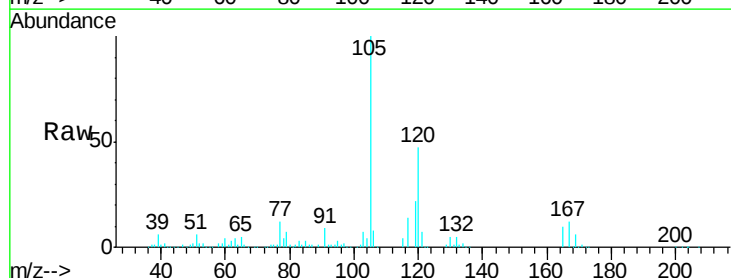
Instrument :
MSVOA_W
ClientSampleId :

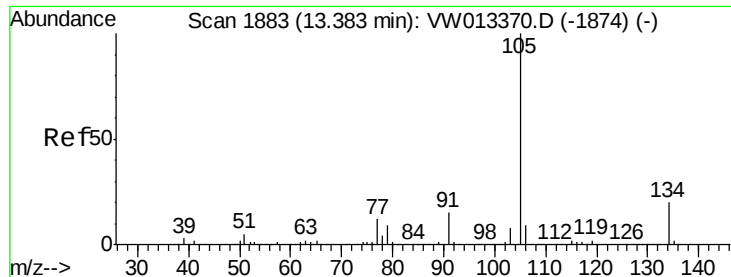
Tgt Ion:119 Resp: 191450
Ion Ratio Lower Upper
119 100
91 61.5 30.7 92.1
134 27.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.290 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:105 Resp: 206551
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 21.651 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

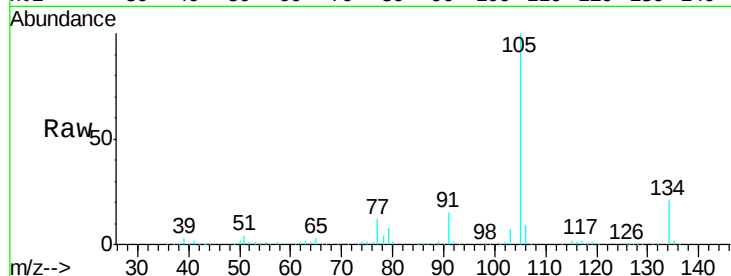
ClientSampleId :

Tgt Ion:105 Resp: 266997

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

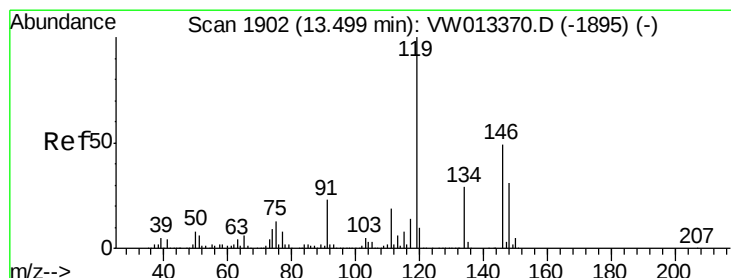
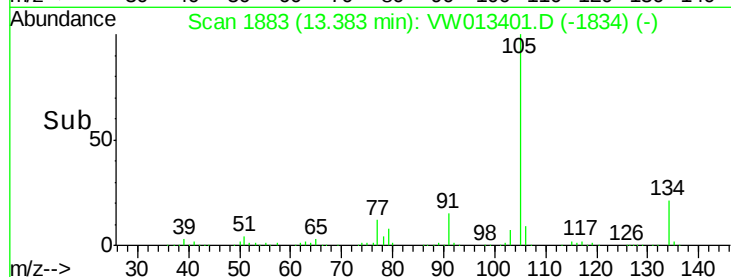
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.252 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

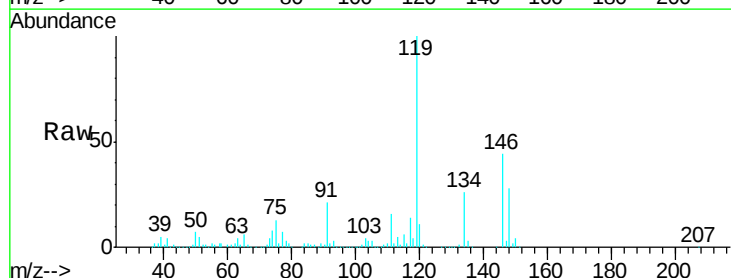
Tgt Ion:119 Resp: 242882

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.8 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

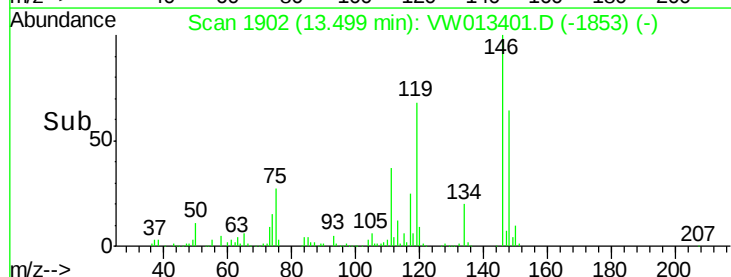
150000

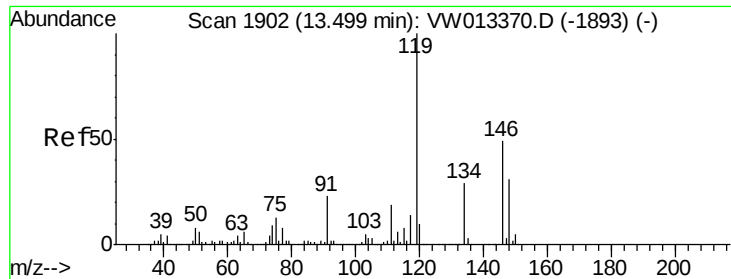
100000

50000

0

Time-->

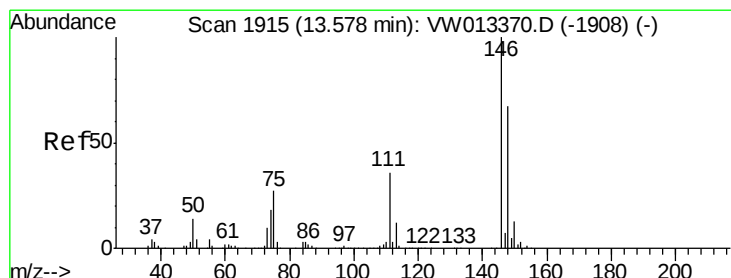
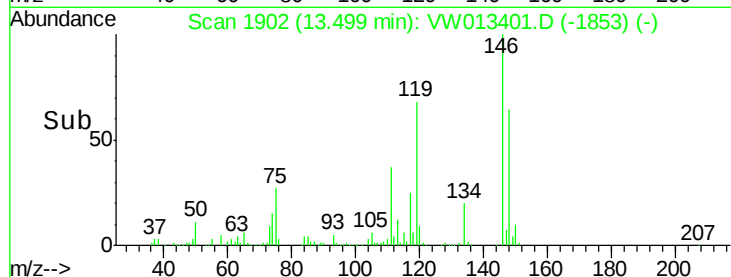
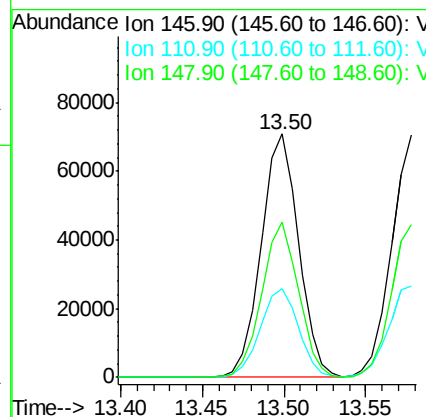
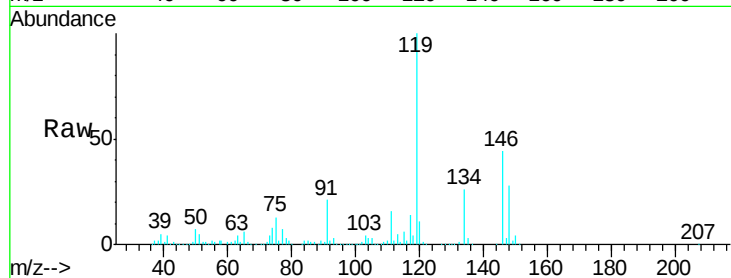




#87
 1,3-Dichlorobenzene
 Concen: 20.227 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

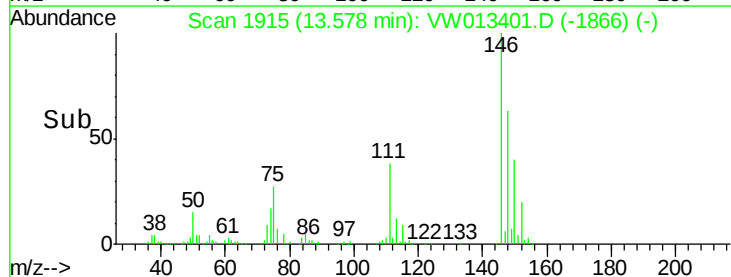
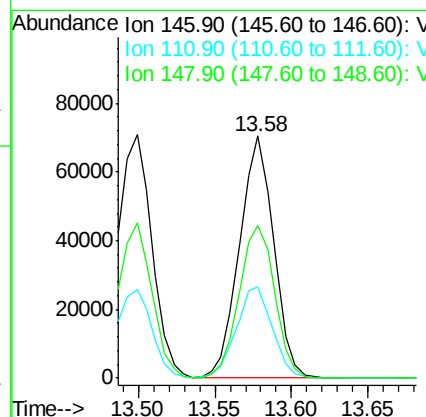
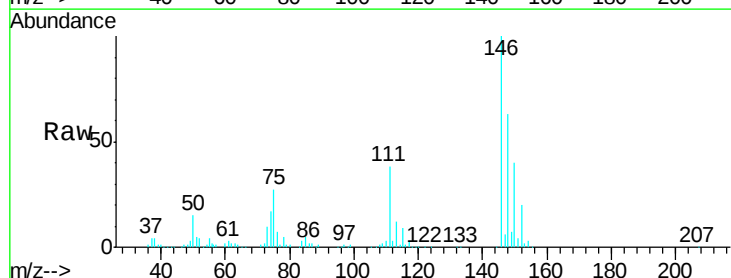
Instrument :
 MSVOA_W
 ClientSampled :

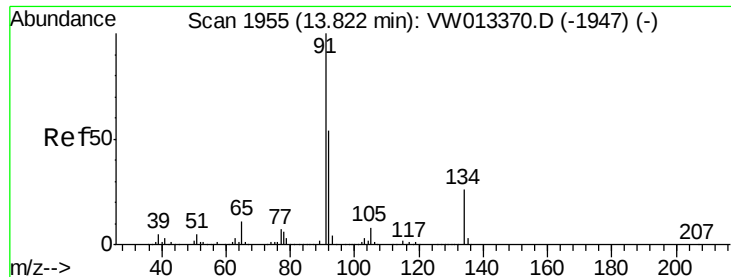
Tgt Ion:146 Resp: 112642
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 62.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.619 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion:146 Resp: 109390
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.4 55.0
 148 65.4 32.1 96.3





#89

n-Butylbenzene

Concen: 20.947 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013401.D

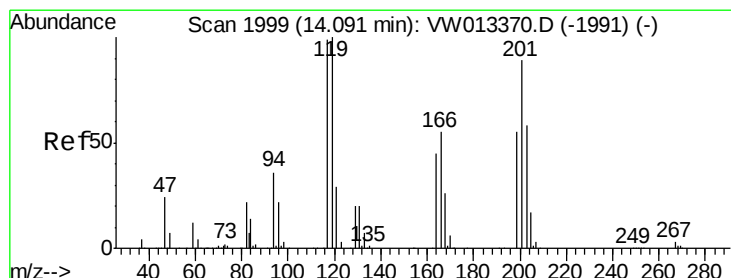
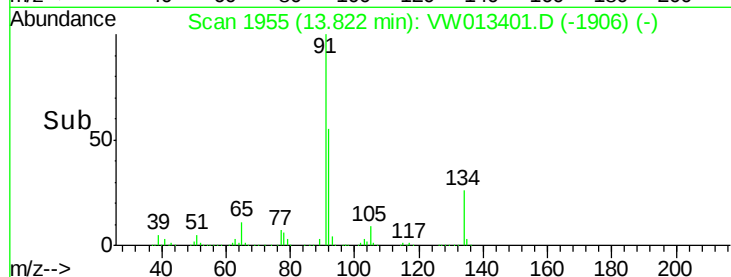
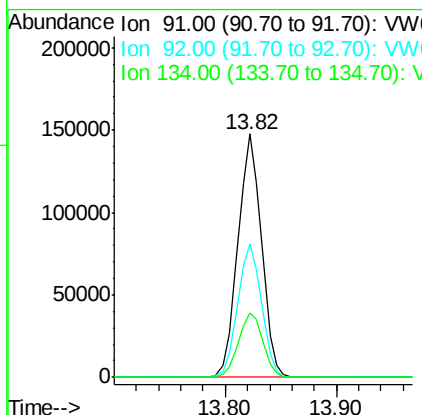
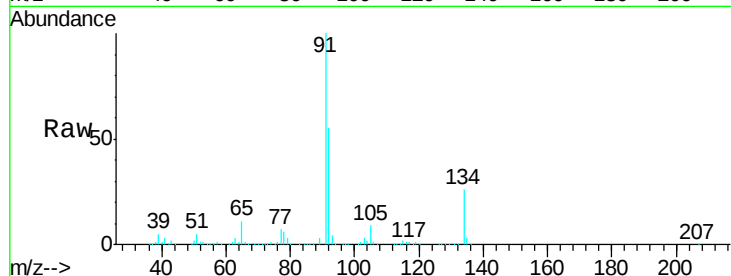
Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	91	Resp:	215831
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.6	82.8
134	27.3	13.7	41.1



#90

Hexachloroethane

Concen: 20.360 ug/l

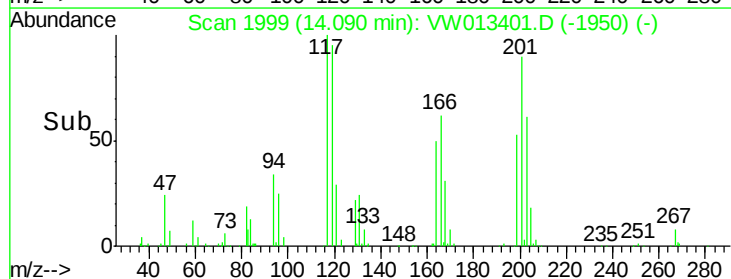
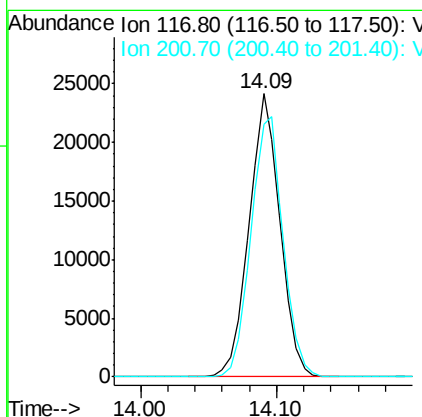
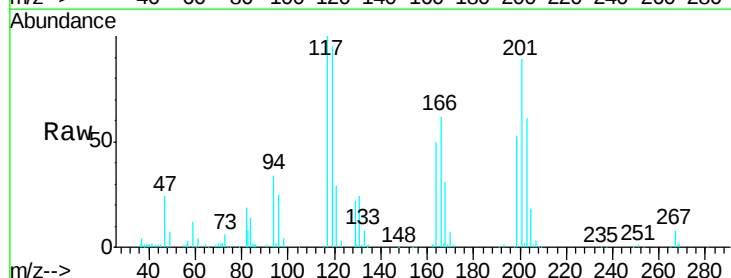
RT: 14.09 min Scan# 1999

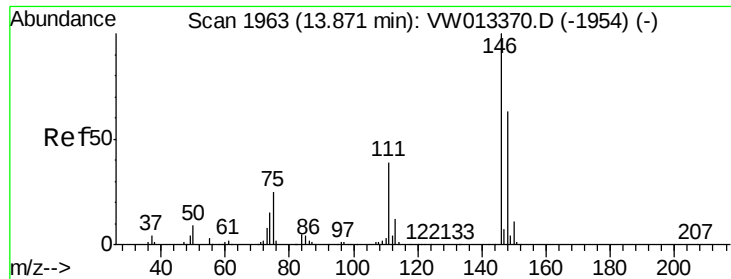
Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion:	117	Resp:	38443
Ion	Ratio	Lower	Upper
117	100		
201	95.4	44.5	133.5





#91

1,2-Dichlorobenzene

Concen: 20.566 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

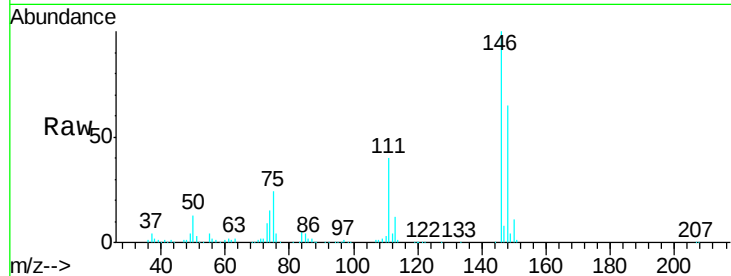
Tgt Ion: 146 Resp: 101245

Ion Ratio Lower Upper

146 100

111 38.7 20.1 60.3

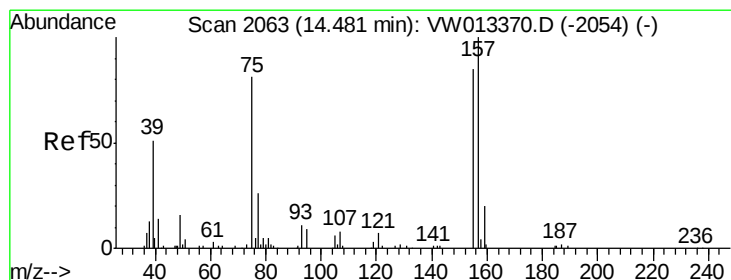
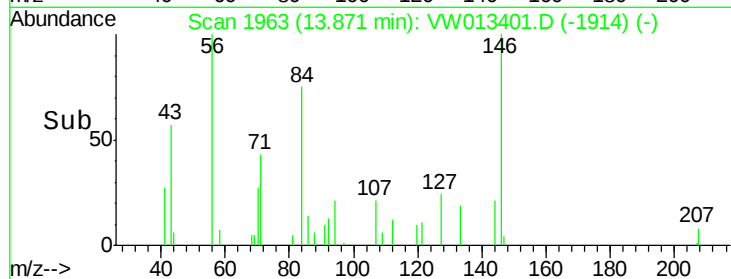
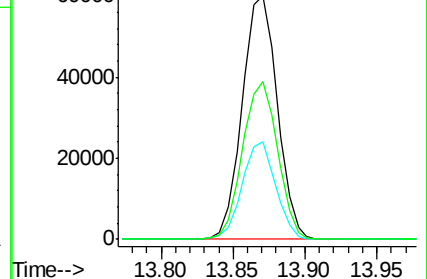
148 64.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.394 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

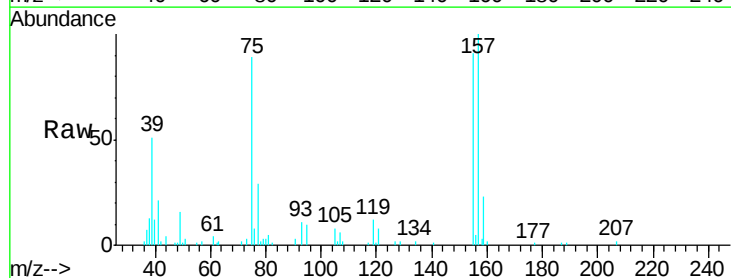
Tgt Ion: 75 Resp: 8237

Ion Ratio Lower Upper

75 100

155 97.6 46.1 138.3

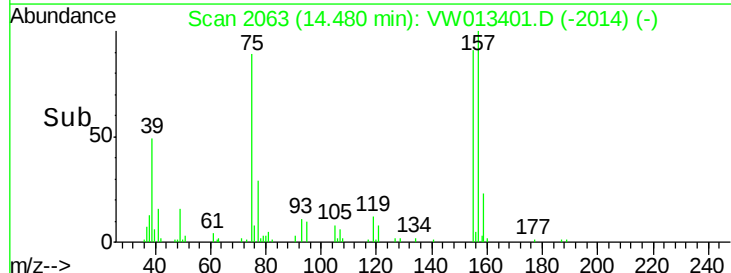
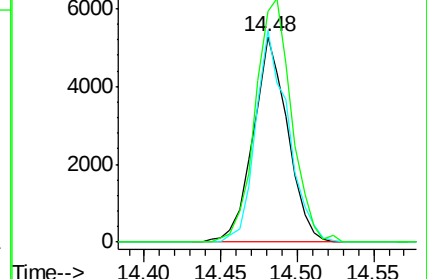
157 124.9 60.4 181.2

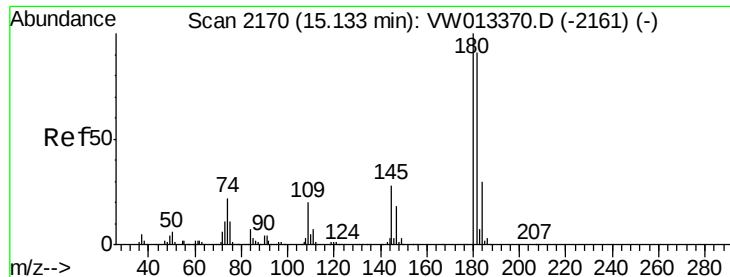


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

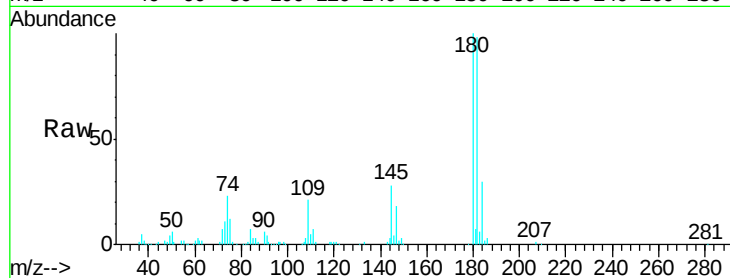




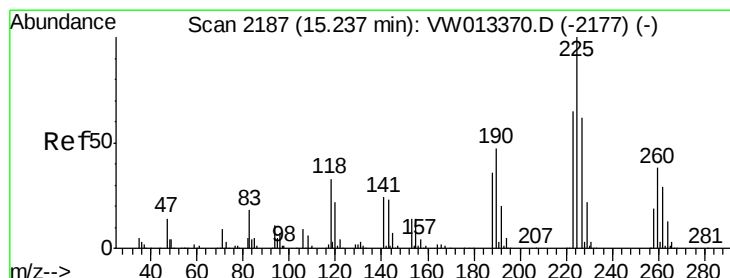
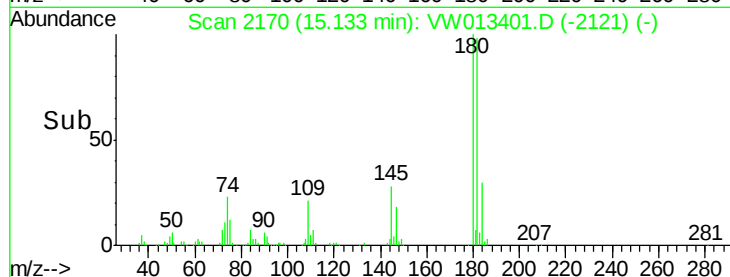
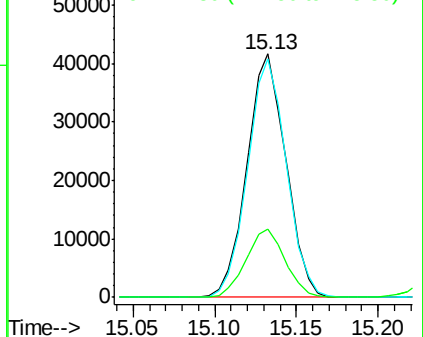
#93
 1,2,4-Trichlorobenzene
 Concen: 19.554 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:180 Resp: 69084
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.3 142.0
 145 28.1 14.2 42.8

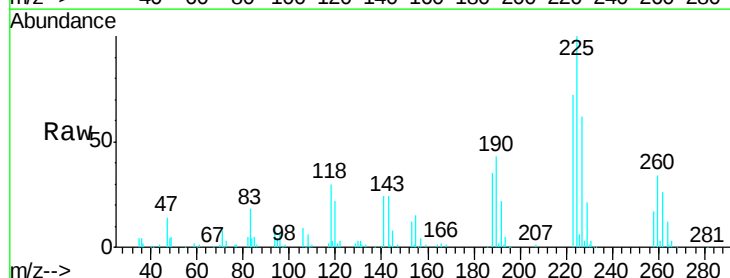


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

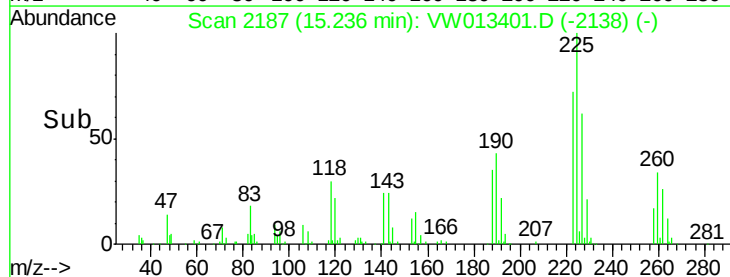
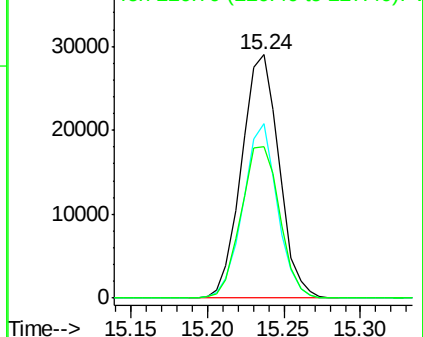


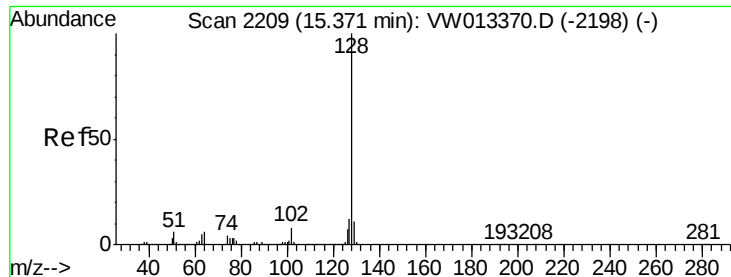
#94
 Hexachlorobutadiene
 Concen: 21.516 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion:225 Resp: 49379
 Ion Ratio Lower Upper
 225 100
 223 65.6 30.6 91.8
 227 64.2 31.9 95.9



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

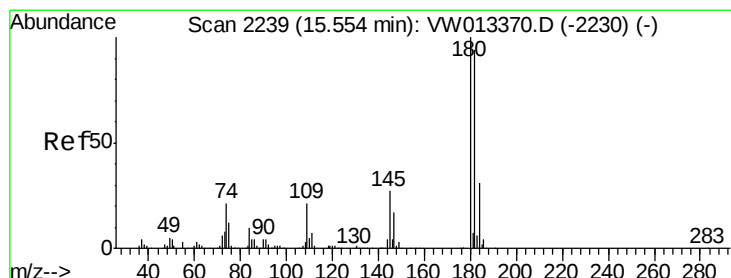
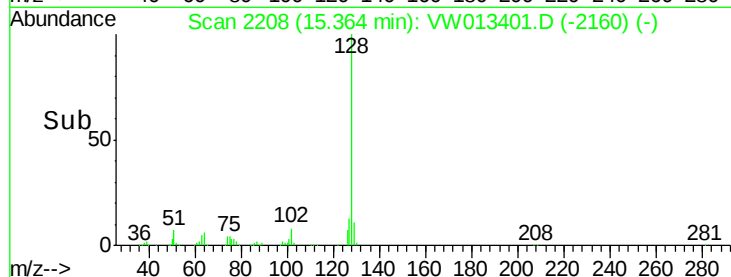
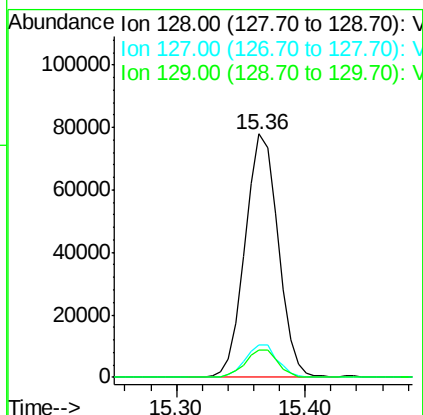
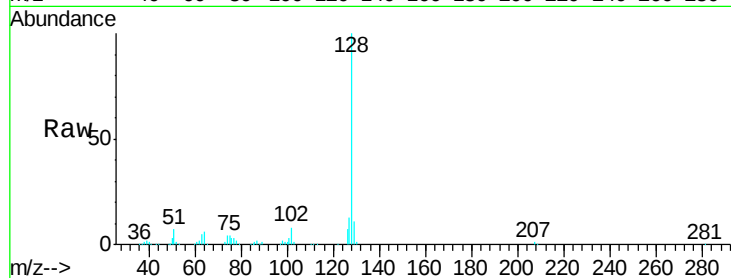




#95
Naphthalene
Concen: 23.166 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:128 Resp: 138062
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.200 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:180 Resp: 62309
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.7
145 30.2 15.0 45.0

