

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015407.D
 Acq On : 06 May 2020 11:36
 Operator : SY/VA
 Sample : VW0506SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 07 03:09:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	152979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117445	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.88	113	104993	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.32	98	432660	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	157060	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25766	20.526	ug/l	99
3) Chloromethane	2.21	50	31083	19.779	ug/l	95
4) Vinyl Chloride	2.37	62	49483	20.791	ug/l	97
5) Bromomethane	2.78	94	36348	19.494	ug/l	96
6) Chloroethane	2.92	64	33161	20.219	ug/l	100
7) Trichlorofluoromethane	3.26	101	31511	18.051	ug/l	97
8) Diethyl Ether	3.68	74	21204	19.438	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41427	20.471	ug/l	99
10) Methyl Iodide	4.26	142	62597	20.442	ug/l	99
11) Tert butyl alcohol	5.18	59	13264	96.372	ug/l	97
12) 1,1-Dichloroethene	4.04	96	43156	20.564	ug/l	98
13) Acrolein	3.89	56	16988	96.656	ug/l	99
14) Allyl chloride	4.66	41	75520	20.538	ug/l	99
15) Acrylonitrile	5.37	53	43135	97.156	ug/l	100
16) Acetone	4.12	43	36708	99.002	ug/l	96
17) Carbon Disulfide	4.37	76	132399	20.576	ug/l	100
18) Methyl Acetate	4.67	43	19054	19.358	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	65968	19.565	ug/l	98
20) Methylene Chloride	4.91	84	45452	18.788	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	48229	20.245	ug/l	97
22) Diisopropyl ether	6.31	45	142610	19.848	ug/l	99
23) Vinyl Acetate	6.26	43	425369	97.387	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87274	20.261	ug/l	99
25) 2-Butanone	7.17	43	54196	93.776	ug/l	99
26) 2,2-Dichloropropane	7.17	77	57509	20.143	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	52357	20.240	ug/l	99
28) Bromochloromethane	7.51	49	34079	19.676	ug/l	100
29) Tetrahydrofuran	7.53	42	36525	96.032	ug/l	99
30) Chloroform	7.67	83	86124	20.123	ug/l	98
31) Cyclohexane	7.95	56	87071	19.908	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	74014	20.576	ug/l	99
36) 1,1-Dichloropropene	8.08	75	72184	20.958	ug/l	99
37) Ethyl Acetate	7.25	43	27195	20.349	ug/l	99
38) Carbon Tetrachloride	8.07	117	67344	20.915	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	90200	20.689	ug/l	98
40) Benzene	8.32	78	196580	20.927	ug/l	98
41) Methacrylonitrile	7.48	41	15390	18.226	ug/l	99
42) 1,2-Dichloroethane	8.40	62	58746	20.532	ug/l	100
43) Isopropyl Acetate	8.42	43	54606	19.428	ug/l	99
44) Trichloroethene	9.09	130	50933	20.920	ug/l	95
45) 1,2-Dichloropropane	9.37	63	48210	20.775	ug/l	98
46) Dibromomethane	9.46	93	24097	20.878	ug/l	94
47) Bromodichloromethane	9.64	83	65117	20.702	ug/l	97
48) Methyl methacrylate	9.43	41	25579	19.702	ug/l	98
49) 1,4-Dioxane	9.45	88	5800	399.318	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	128701	97.707	ug/l	100
52) Toluene	10.38	92	128260	21.011	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64399	20.058	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	77780	20.575	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	32505	19.916	ug/l	95
56) Ethyl methacrylate	10.65	69	43649	19.465	ug/l	96
57) 1,3-Dichloropropane	10.93	76	59967	20.435	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	106561	97.676	ug/l	100
59) 2-Hexanone	10.97	43	86867	97.465	ug/l	99
60) Dibromochloromethane	11.13	129	40298	20.530	ug/l	99
61) 1,2-Dibromoethane	11.23	107	31093	20.120	ug/l	98
64) Tetrachloroethene	10.86	164	42059	21.800	ug/l	89
65) Chlorobenzene	11.66	112	128732	20.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45491	20.617	ug/l	98
67) Ethyl Benzene	11.73	91	247880	20.810	ug/l	94
68) m/p-Xylenes	11.84	106	186184	42.040	ug/l	100
69) o-Xylene	12.16	106	86972	20.898	ug/l	99
70) Styrene	12.18	104	146123	20.387	ug/l	99
71) Bromoform	12.35	173	21138	19.644	ug/l #	94
73) Isopropylbenzene	12.46	105	245021	21.454	ug/l	100
74) N-amyl acetate	12.27	43	53492	19.814	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	35995	20.147	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50573	40.186	ug/l #	100
77) Bromobenzene	12.74	156	51009	21.075	ug/l	99
78) n-propylbenzene	12.80	91	295454	21.562	ug/l	98
79) 2-Chlorotoluene	12.89	91	166076	21.501	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	208468	21.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12751	20.041	ug/l	98
82) 4-Chlorotoluene	12.99	91	175497	21.439	ug/l	99
83) tert-Butylbenzene	13.21	119	178097	21.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	208624	21.678	ug/l	100
85) sec-Butylbenzene	13.38	105	252174	21.804	ug/l	100
86) p-Isopropyltoluene	13.50	119	232766	22.066	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	101783	21.112	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101830	21.327	ug/l	99
89) n-Butylbenzene	13.82	91	225925	21.878	ug/l	100
90) Hexachloroethane	14.09	117	42442	21.834	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	90191	21.606	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6243	20.015	ug/l	100

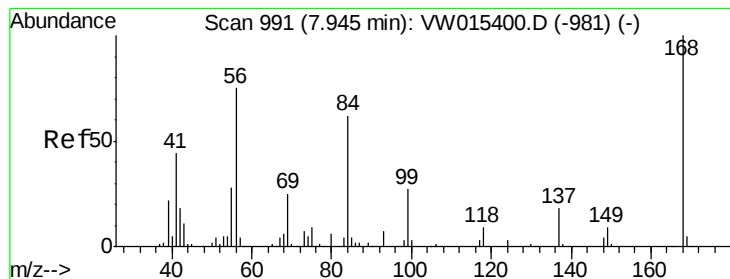
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61875	22.054	ug/l	99
94) Hexachlorobutadiene	15.24	225	36915	22.204	ug/l	99
95) Naphthalene	15.36	128	103976	20.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51234	21.253	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

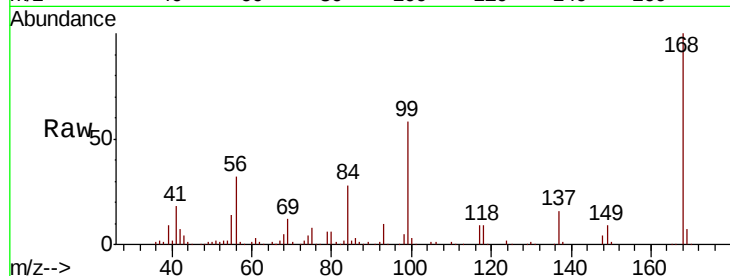
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 217124

Ion Ratio Lower Upper

168 100

99 58.0 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

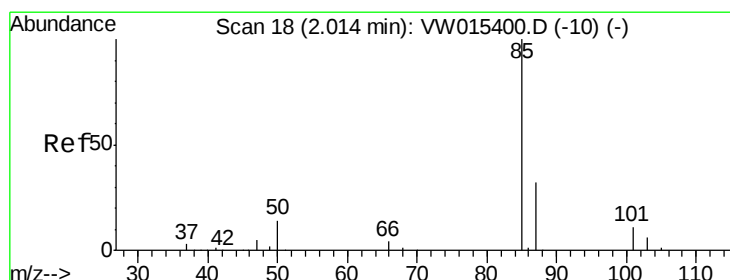
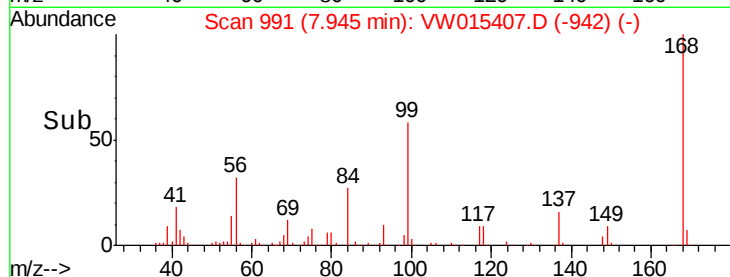
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.526 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015407.D

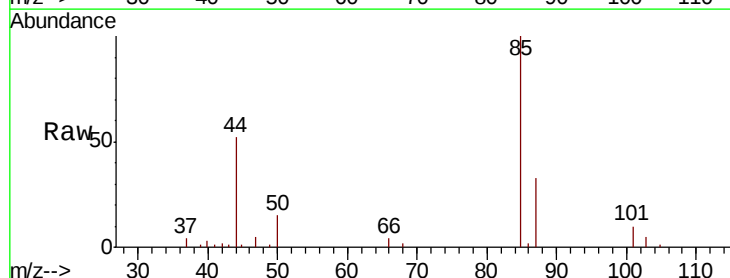
Acq: 06 May 2020 11:36

Tgt Ion: 85 Resp: 25766

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

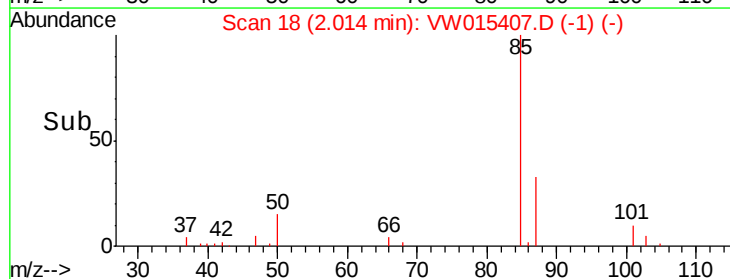
6000

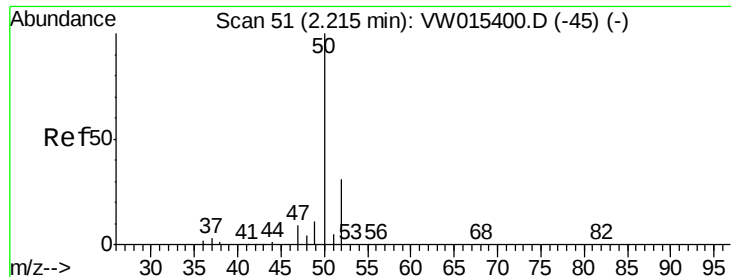
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.779 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

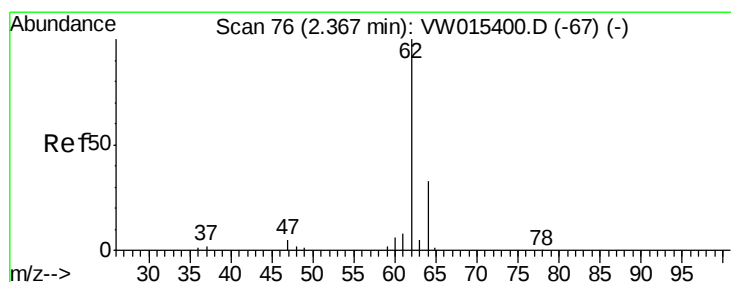
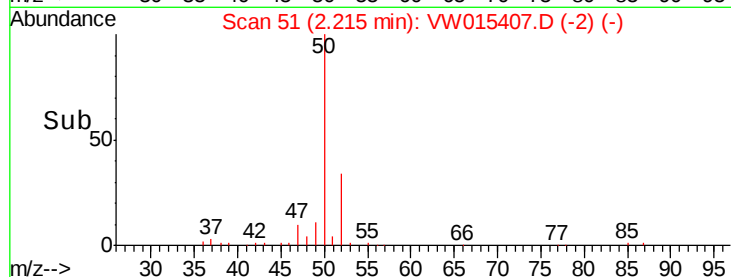
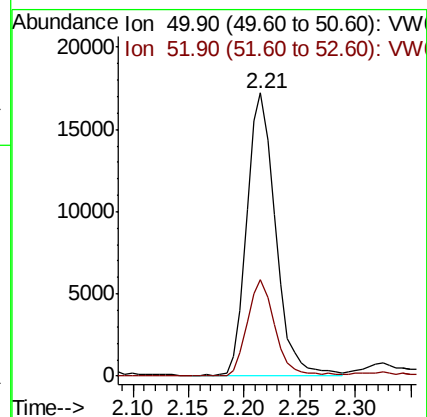
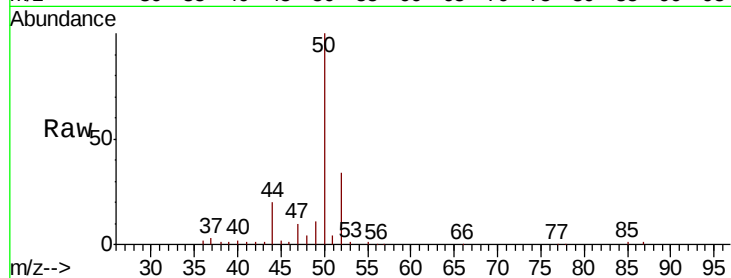
ClientSampleId :

Tot Ion: 50 Resp: 31083

Ion Ratio Lower Upper

50 100

52 34.3 25.0 37.6



#4

Vinyl Chloride

Concen: 20.791 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015407.D

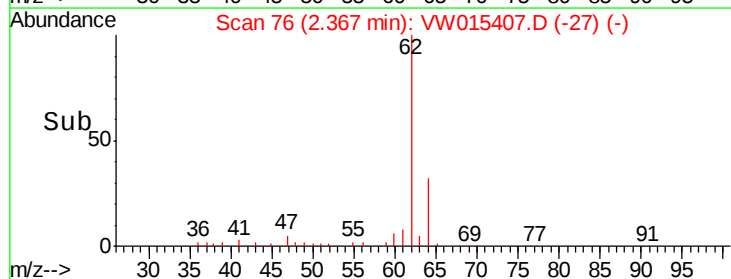
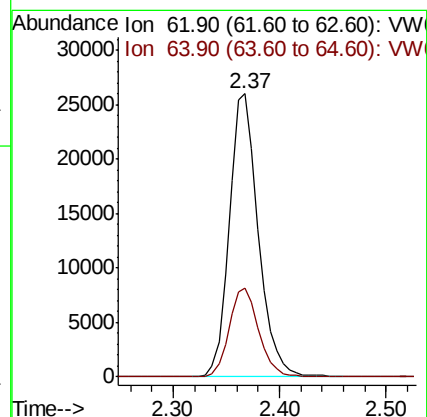
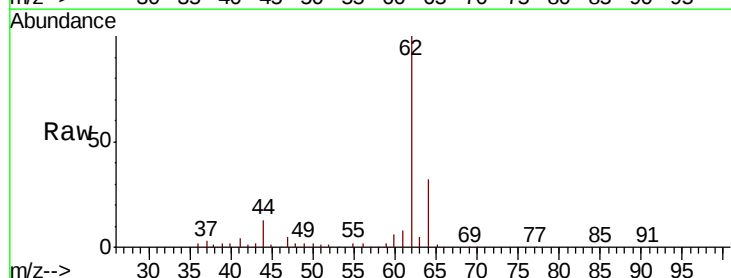
Acq: 06 May 2020 11:36

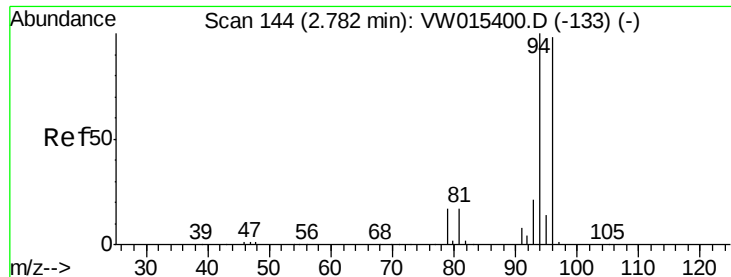
Tgt Ion: 62 Resp: 49483

Ion Ratio Lower Upper

62 100

64 31.5 26.4 39.6





#5

Bromomethane

Concen: 19.494 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

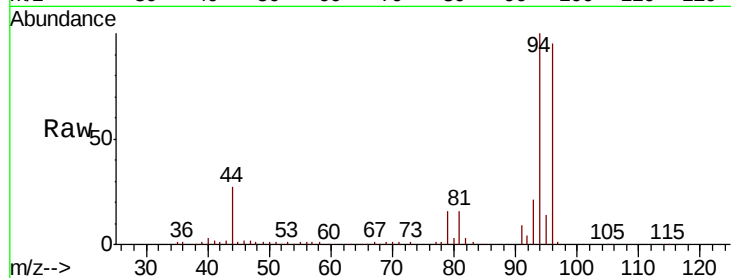
ClientSampleId :

Tot Ion: 94 Resp: 36348

Ion Ratio Lower Upper

94 100

96 94.9 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

15000

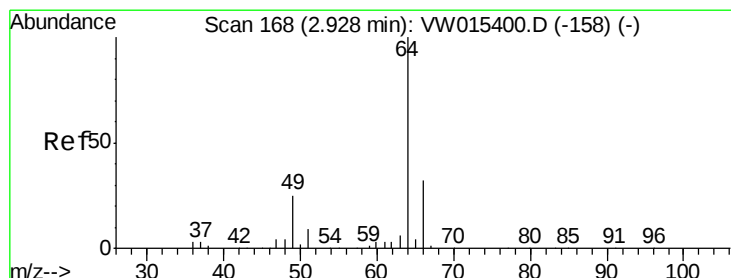
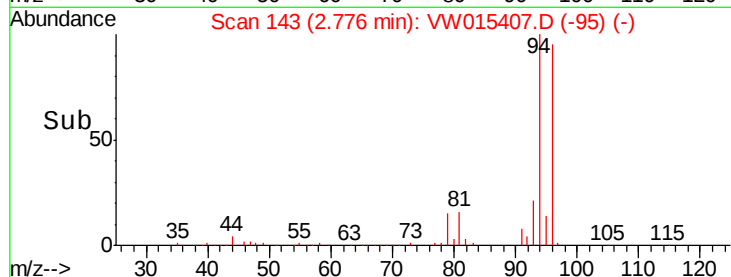
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.219 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015407.D

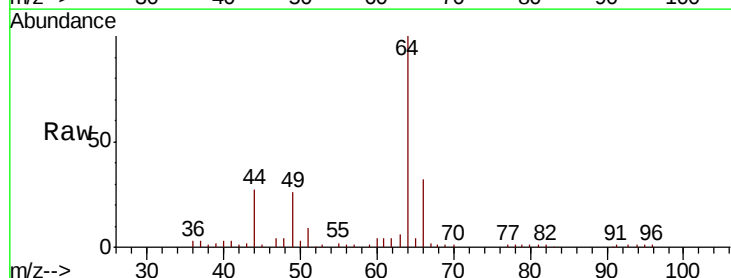
Acq: 06 May 2020 11:36

Tgt Ion: 64 Resp: 33161

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

15000

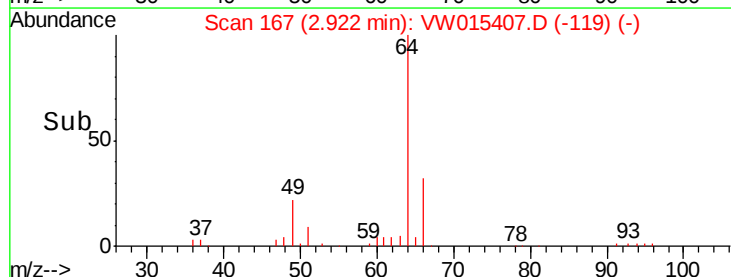
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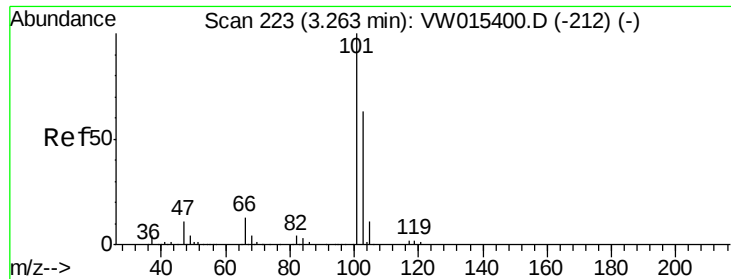
5000

0

Time-->

2.80 2.90 3.00 3.10



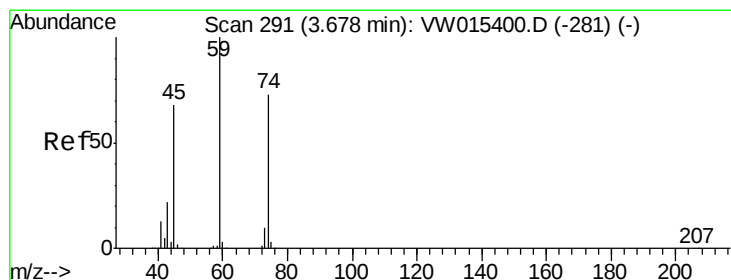
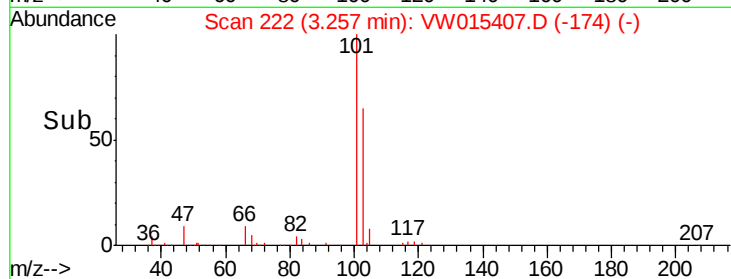
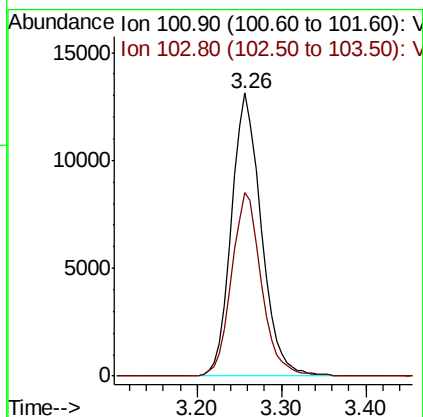
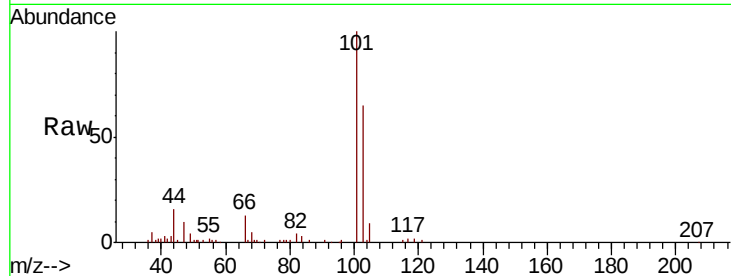


#7

Trichlorofluoromethane
 Concen: 18.051 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :

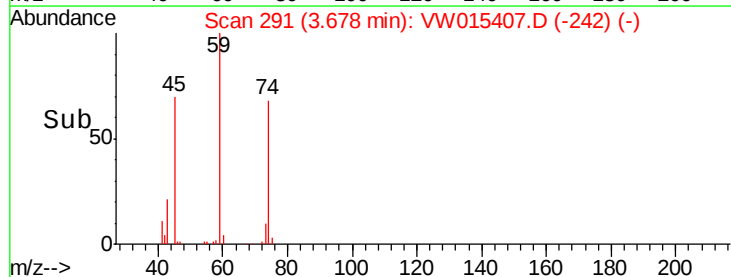
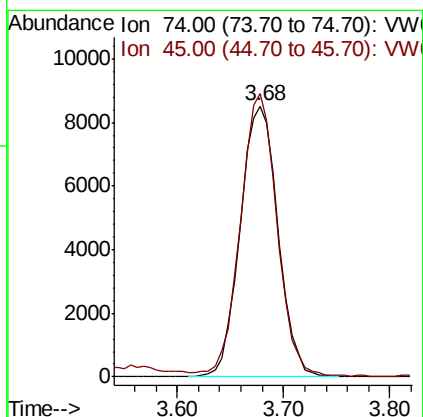
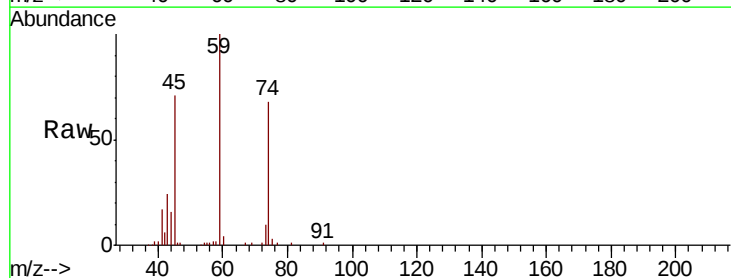
Tot Ion:101 Resp: 31511
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.2 75.4

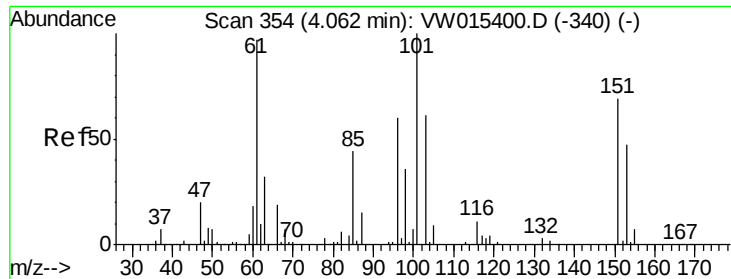


#8

Diethyl Ether
 Concen: 19.438 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 74 Resp: 21204
 Ion Ratio Lower Upper
 74 100
 45 102.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.471 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

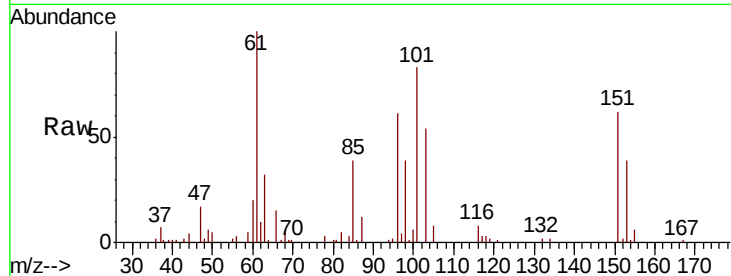
Tot Ion:101 Resp: 41427

Ion Ratio Lower Upper

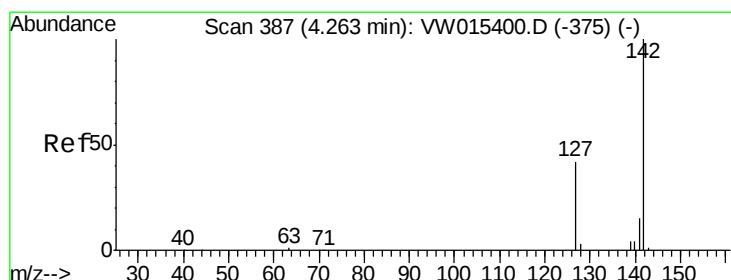
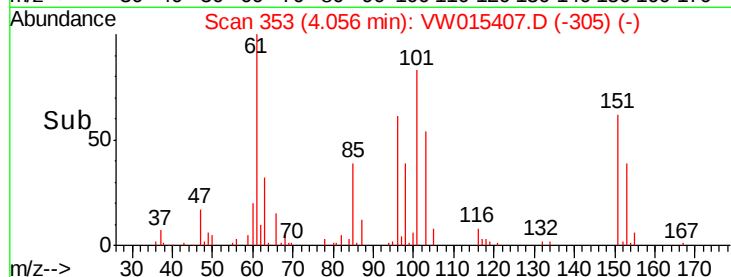
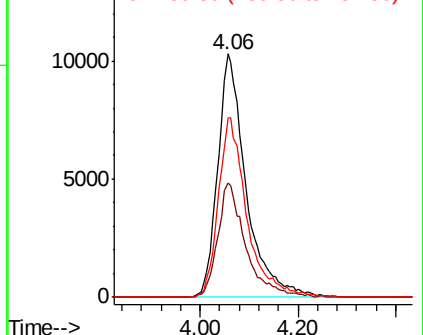
101 100

85 46.4 37.3 55.9

151 74.3 58.9 88.3



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: 20.442 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

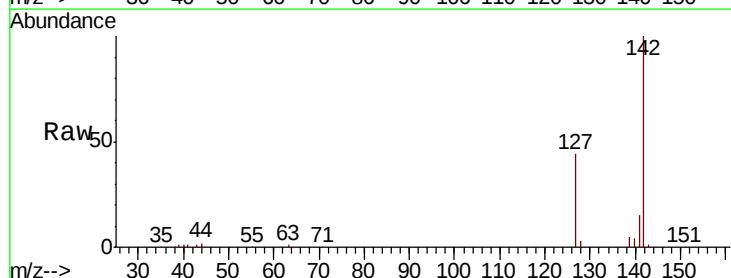
Tgt Ion:142 Resp: 62597

Ion Ratio Lower Upper

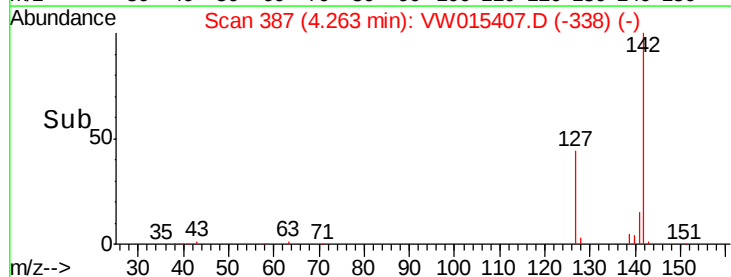
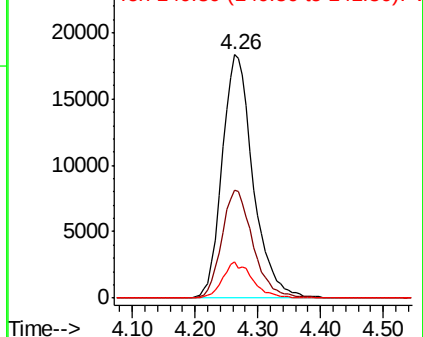
142 100

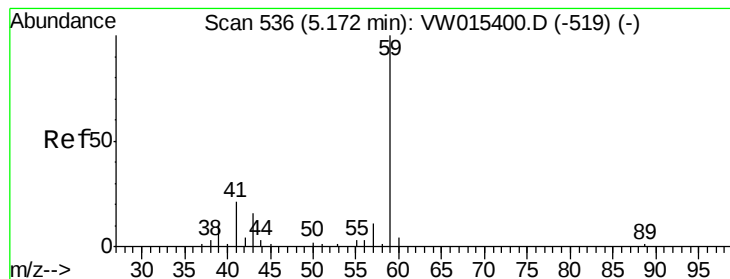
127 44.6 35.4 53.2

141 14.2 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



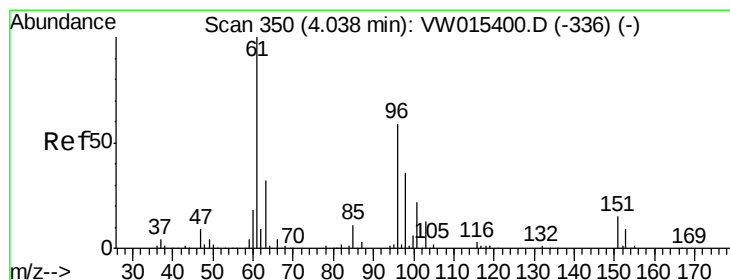
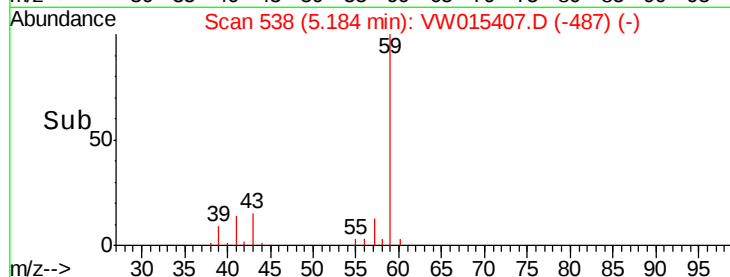
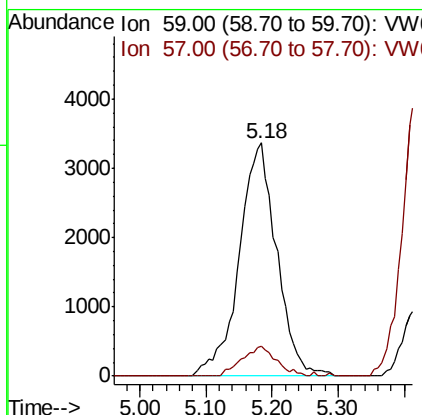
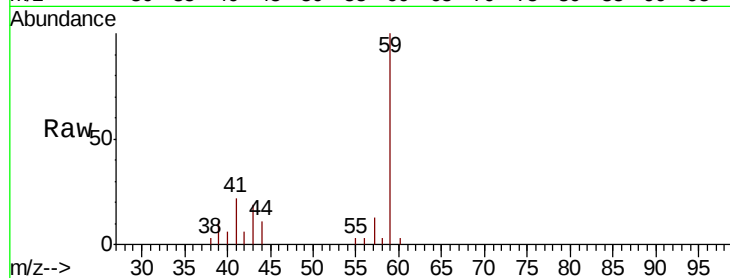


#11

Tert butyl alcohol
 Concen: 96.372 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :

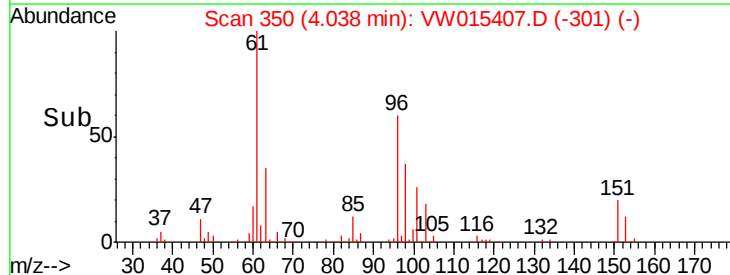
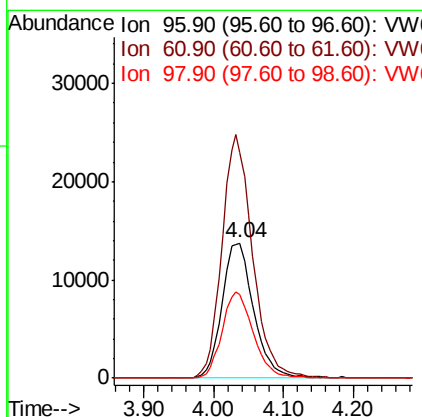
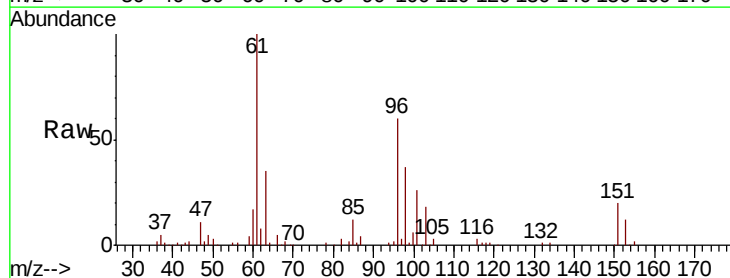
Tot Ion: 59 Resp: 13264
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.6 13.0

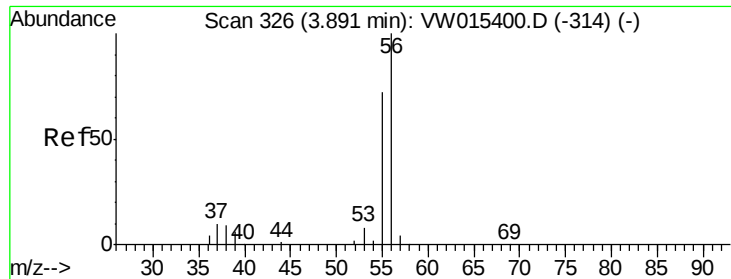


#12

1,1-Dichloroethene
 Concen: 20.564 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 96 Resp: 43156
 Ion Ratio Lower Upper
 96 100
 61 167.4 135.8 203.8
 98 62.3 48.6 72.8





#13

Acrolein

Concen: 96.656 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

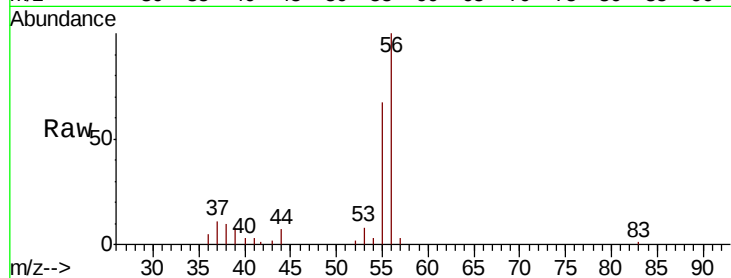
ClientSampled :

Tot Ion: 56 Resp: 16988

Ion Ratio Lower Upper

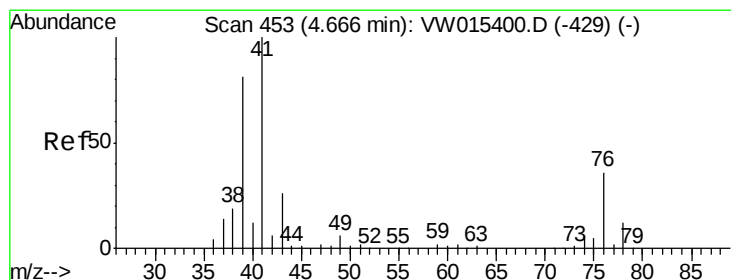
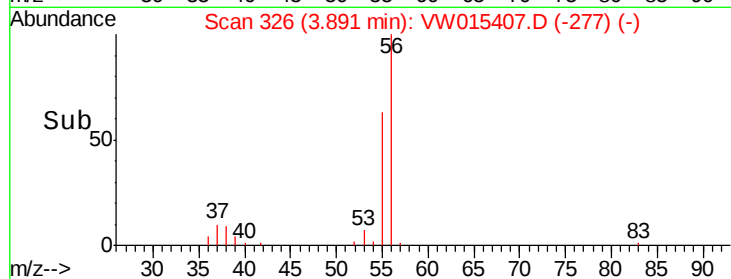
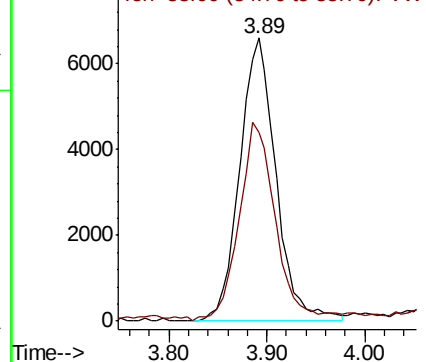
56 100

55 69.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.538 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

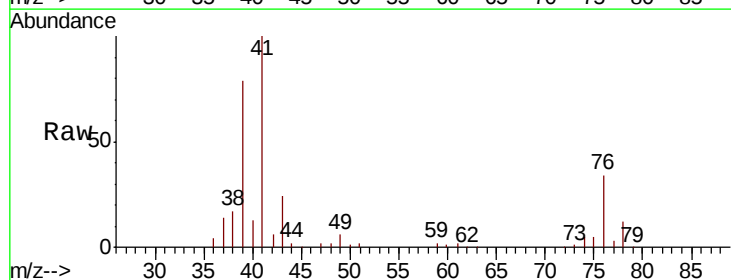
Tgt Ion: 41 Resp: 75520

Ion Ratio Lower Upper

41 100

39 80.2 63.6 95.4

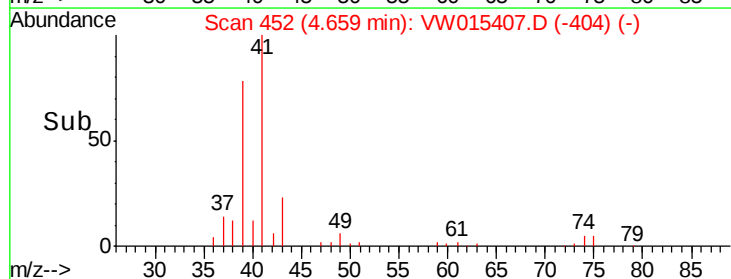
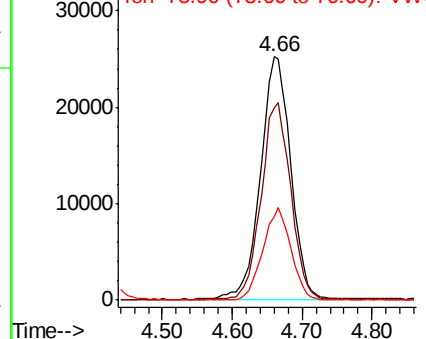
76 35.3 28.4 42.6

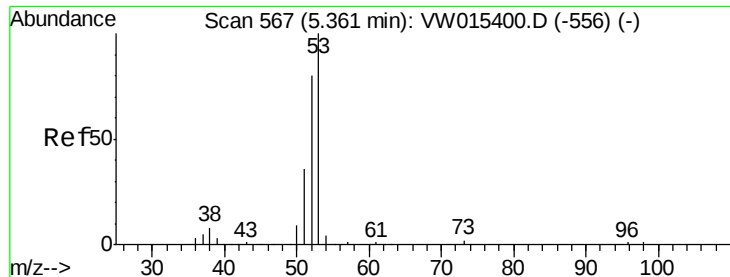


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 97.156 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

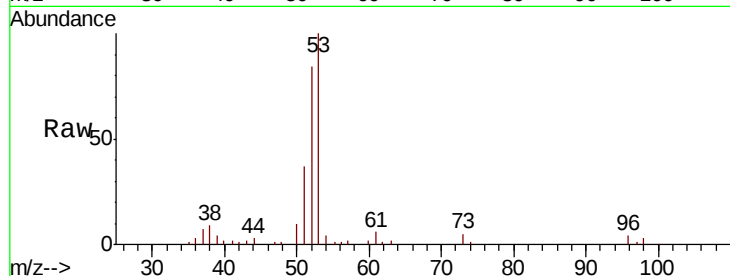
Tot Ion: 53 Resp: 43135

Ion Ratio Lower Upper

53 100

52 83.5 66.6 99.8

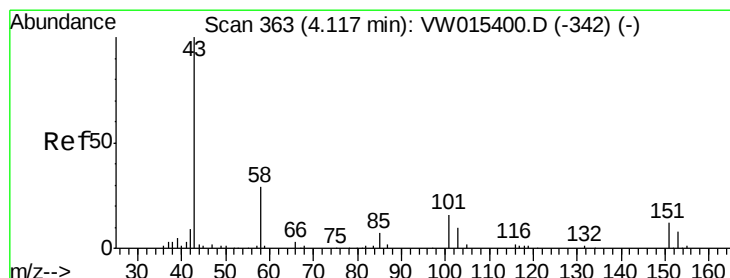
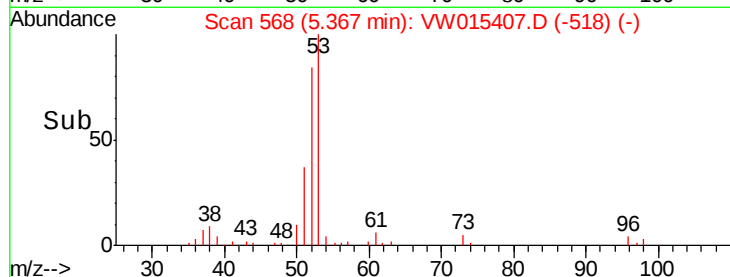
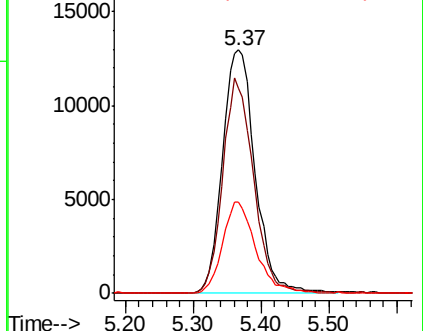
51 38.2 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 99.002 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015407.D

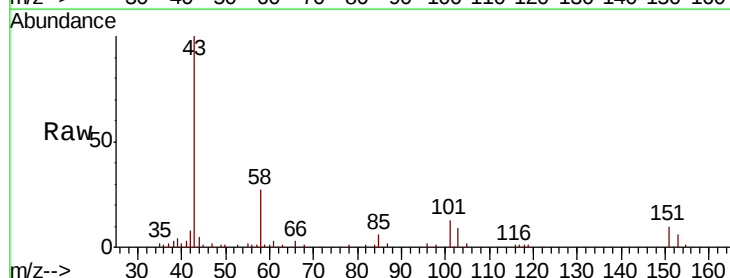
Acq: 06 May 2020 11:36

Tgt Ion: 43 Resp: 36708

Ion Ratio Lower Upper

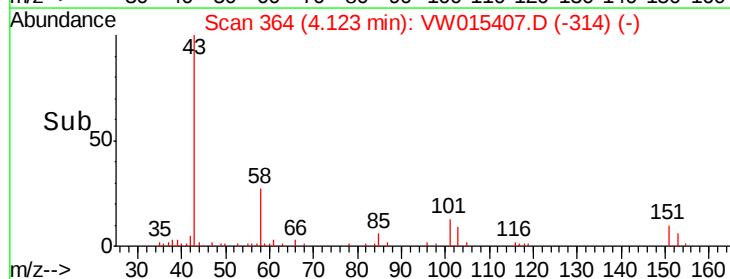
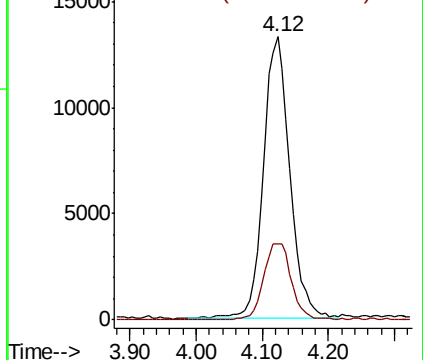
43 100

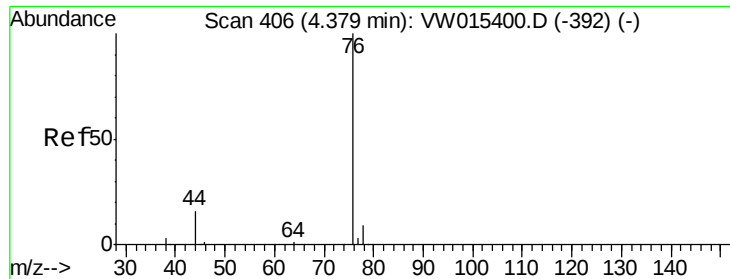
58 27.0 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

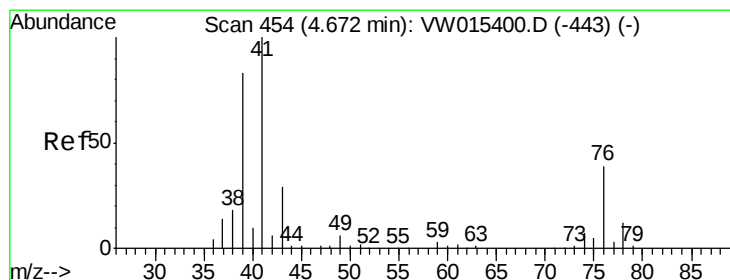
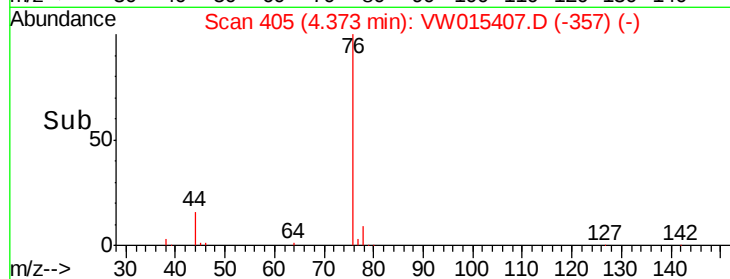
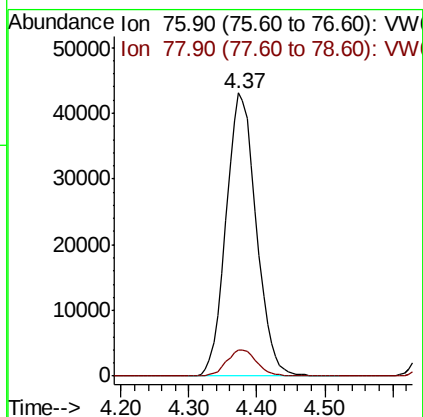
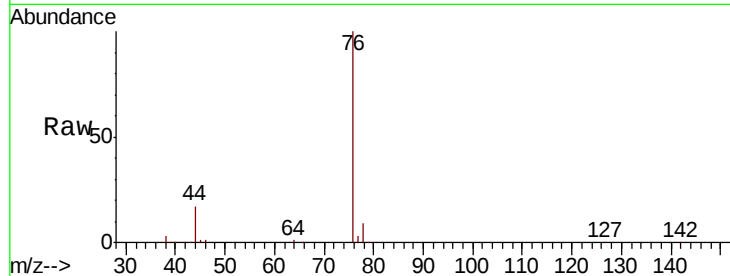




#17
Carbon Disulfide
Concen: 20.576 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

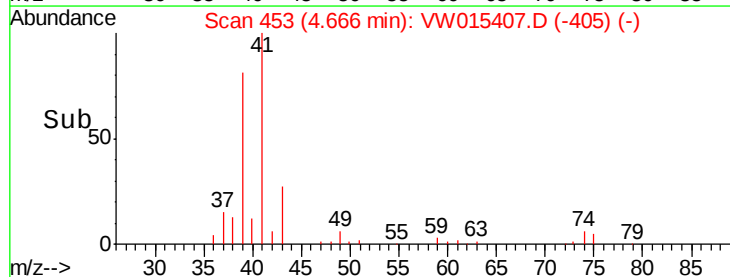
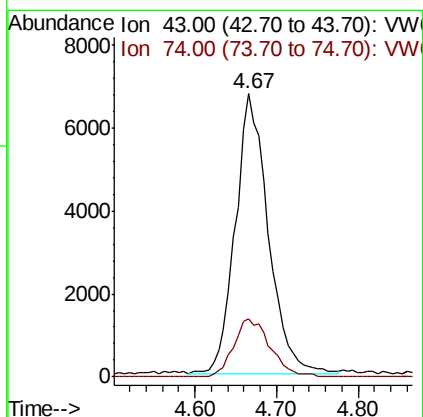
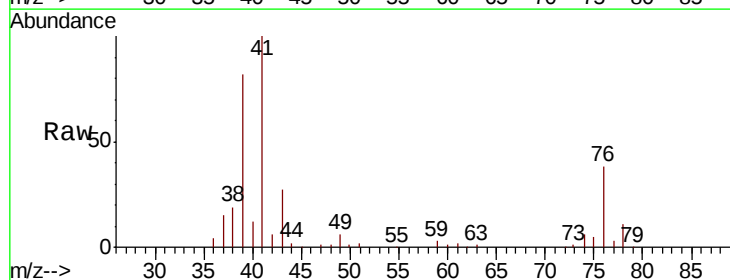
Instrument :
MSVOA_W
ClientSampleId :

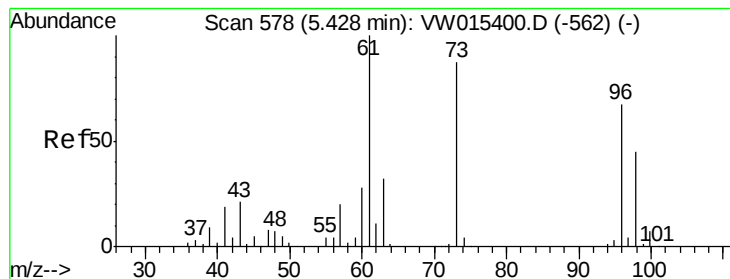
Tot Ion: 76 Resp: 132399
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 19.358 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion: 43 Resp: 19054
Ion Ratio Lower Upper
43 100
74 22.5 18.7 28.1



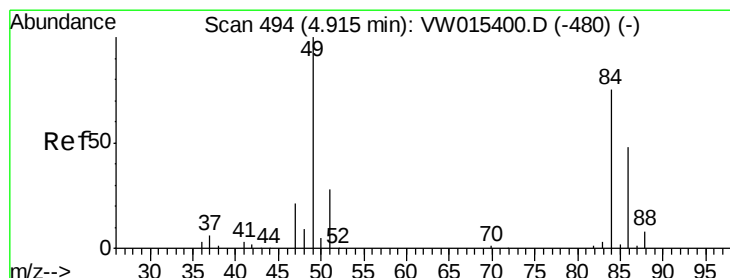
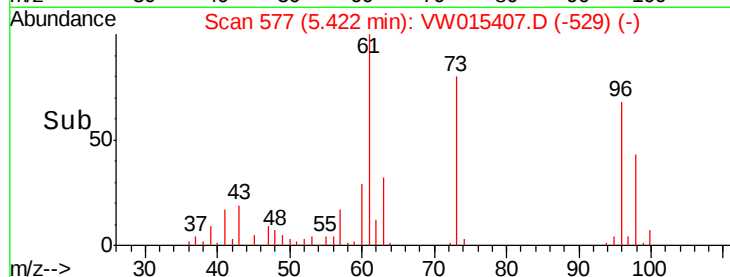
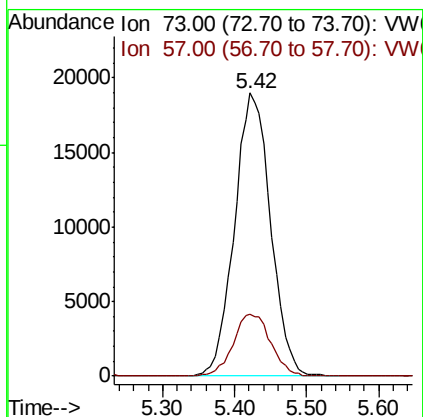
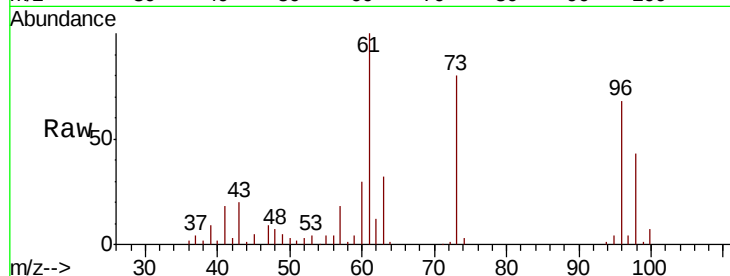


#19

Methyl tert-butyl Ether
 Concen: 19.565 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :

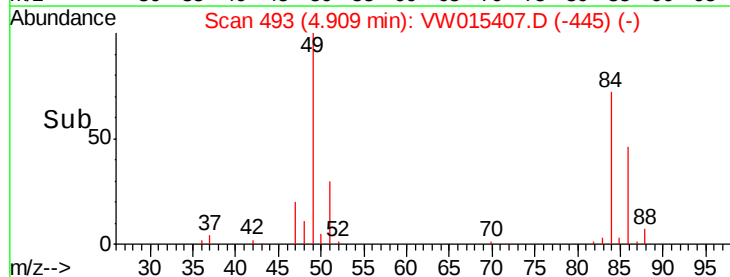
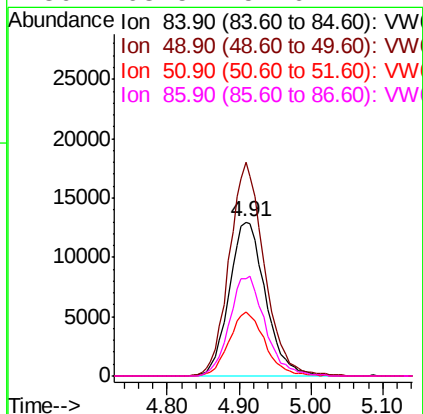
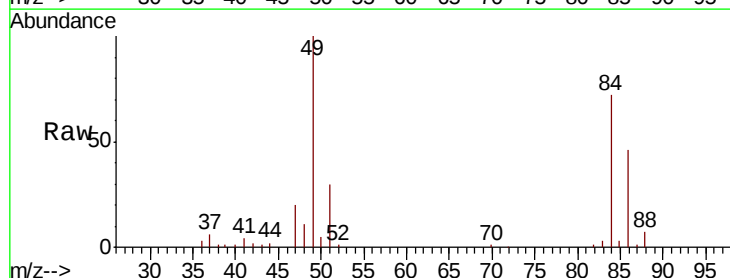
Tot Ion: 73 Resp: 65968
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.5 27.7

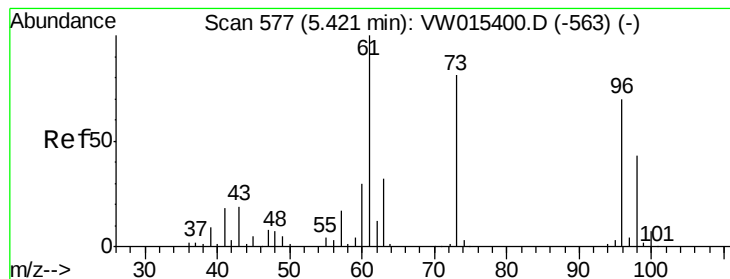


#20

Methylene Chloride
 Concen: 18.788 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 84 Resp: 45452
 Ion Ratio Lower Upper
 84 100
 49 138.9 106.4 159.6
 51 41.5 30.2 45.2
 86 63.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.245 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :

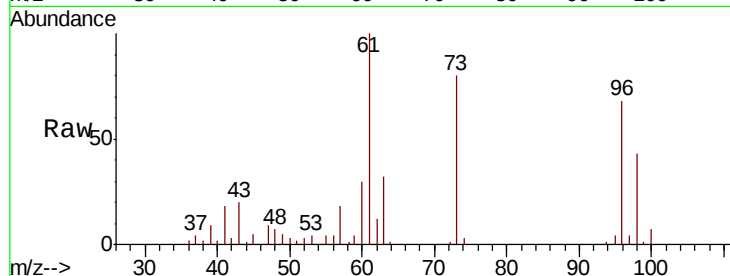
Tot Ion: 96 Resp: 48229

Ion Ratio Lower Upper

96 100

61 147.7 114.9 172.3

98 63.2 49.4 74.0

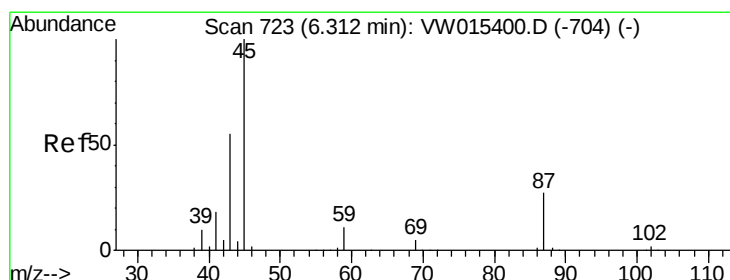
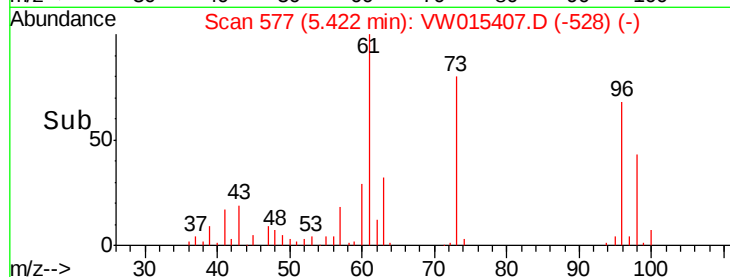
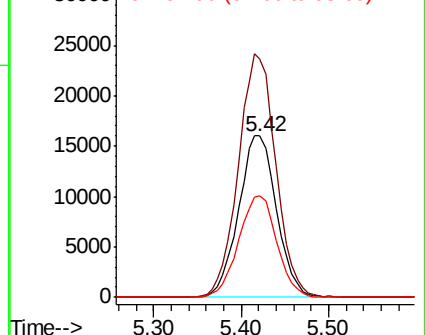


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.848 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion: 45 Resp: 142610

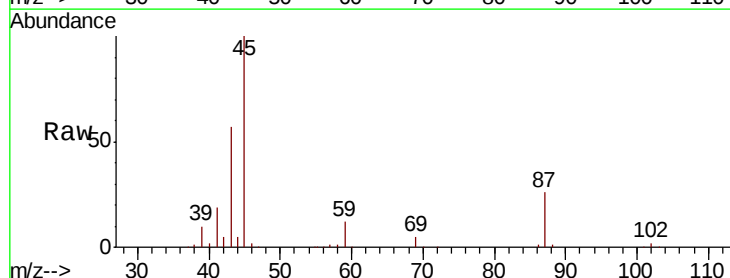
Ion Ratio Lower Upper

45 100

43 56.2 44.2 66.4

87 26.3 21.6 32.4

59 11.6 9.0 13.6



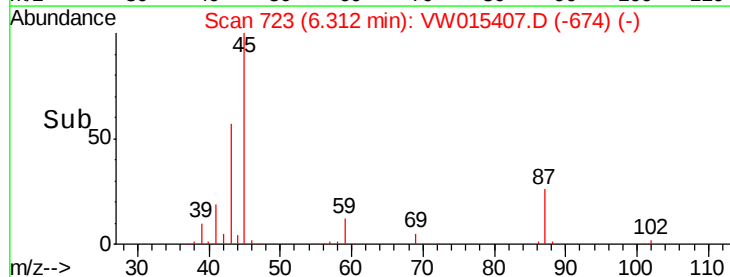
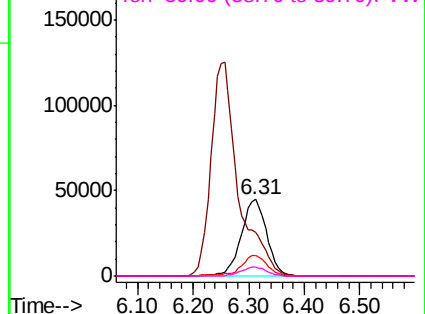
Abundance

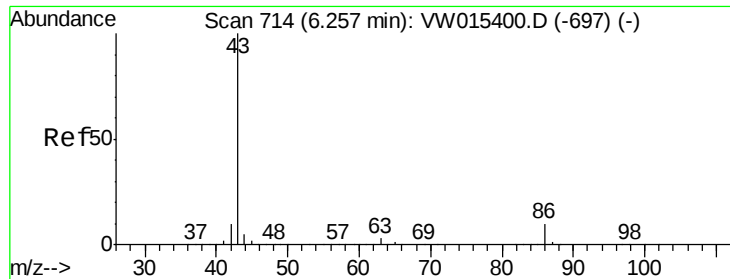
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 97.387 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

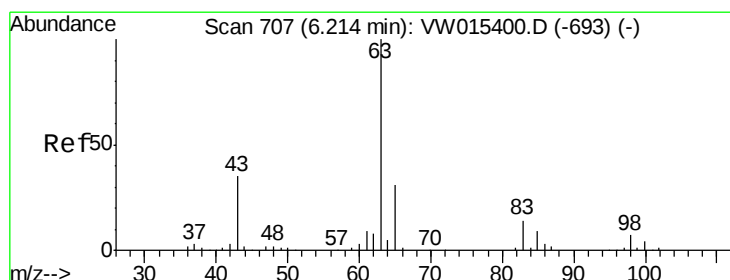
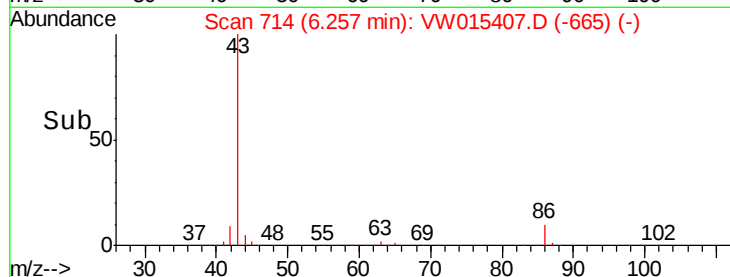
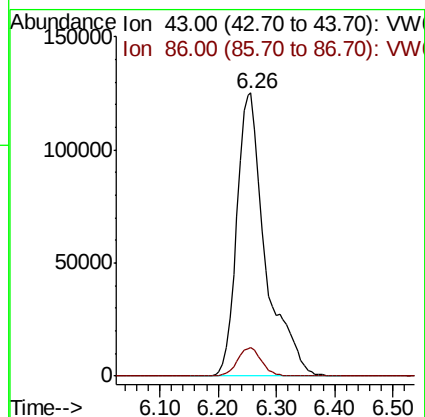
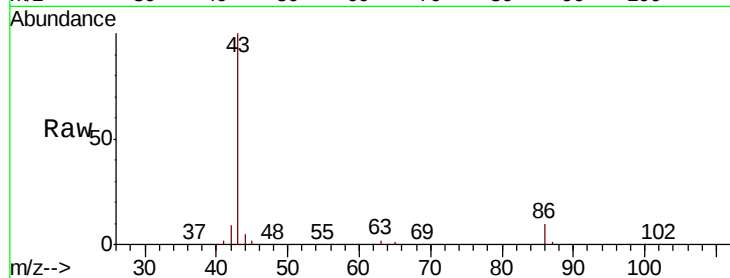
ClientSampled :

Tot Ion: 43 Resp: 425369

Ion Ratio Lower Upper

43 100

86 9.9 8.1 12.1



#24

1,1-Dichloroethane

Concen: 20.261 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

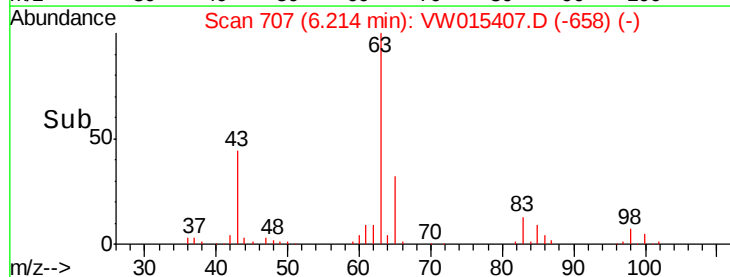
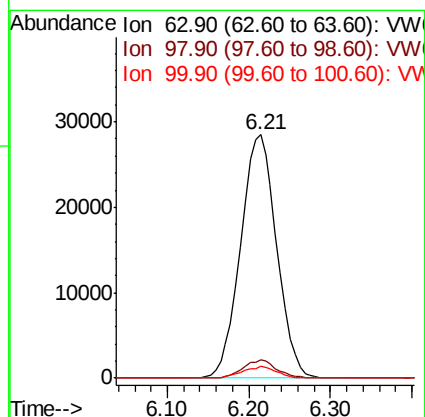
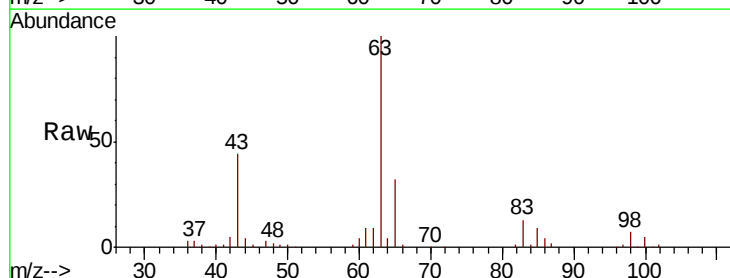
Tgt Ion: 63 Resp: 87274

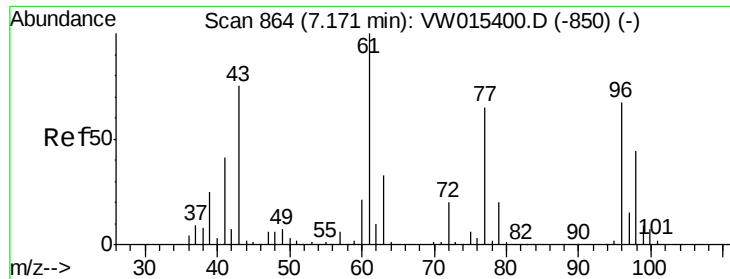
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.8 2.1 6.5

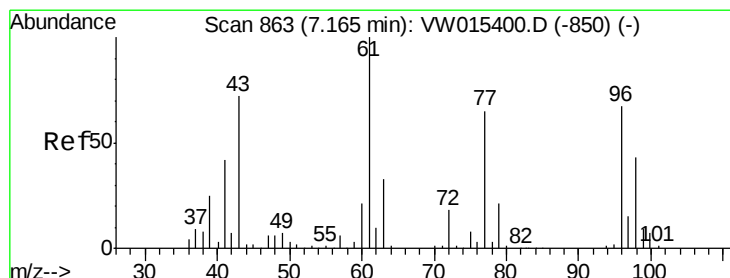
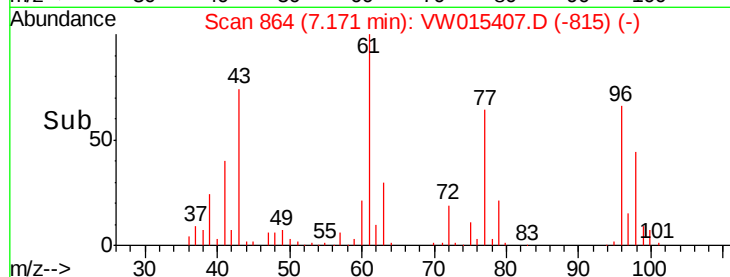
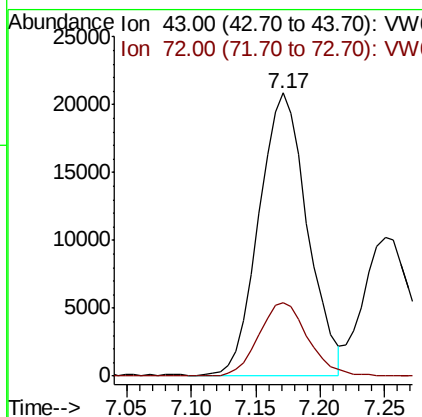
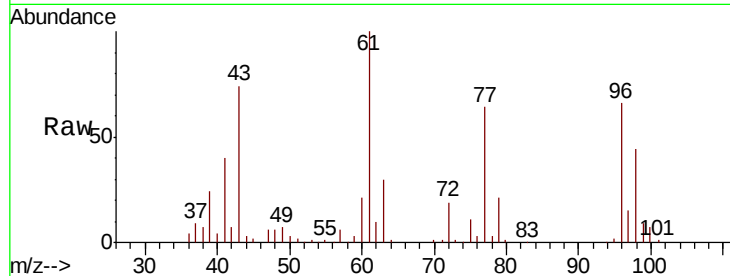




#25
2-Butanone
Concen: 93.776 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

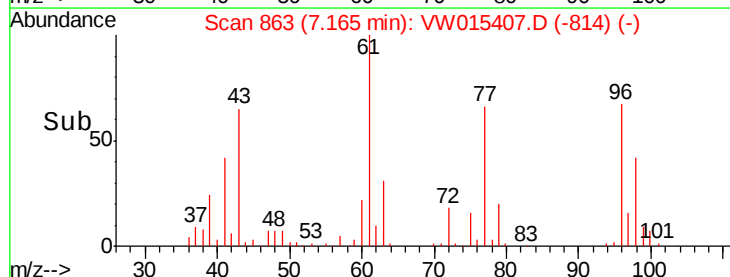
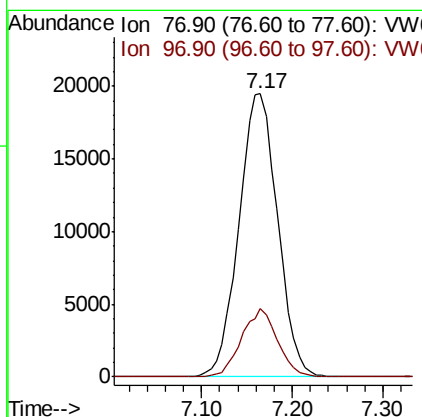
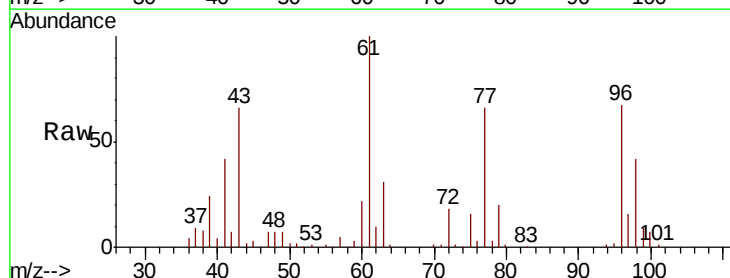
Instrument :
MSVOA_W
ClientSampled :

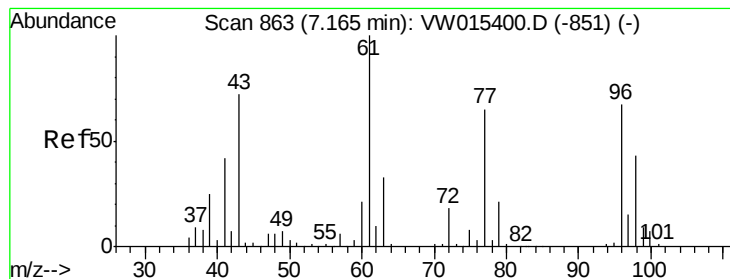
Tot Ion: 43 Resp: 54196
Ion Ratio Lower Upper
43 100
72 26.0 21.4 32.0



#26
2,2-Dichloropropane
Concen: 20.143 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion: 77 Resp: 57509
Ion Ratio Lower Upper
77 100
97 22.3 11.1 33.1



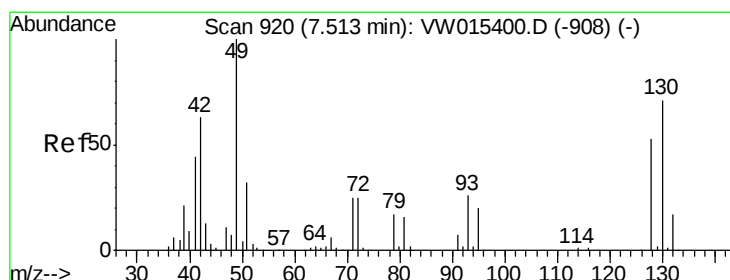
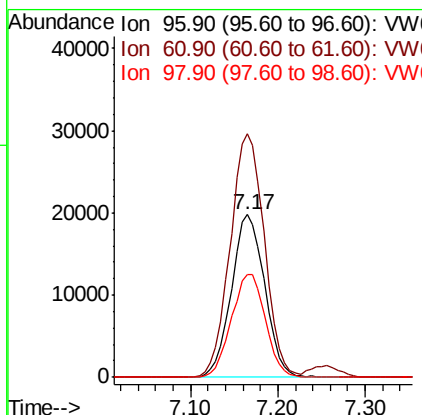
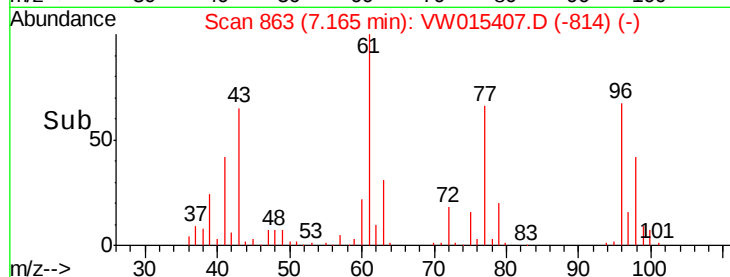
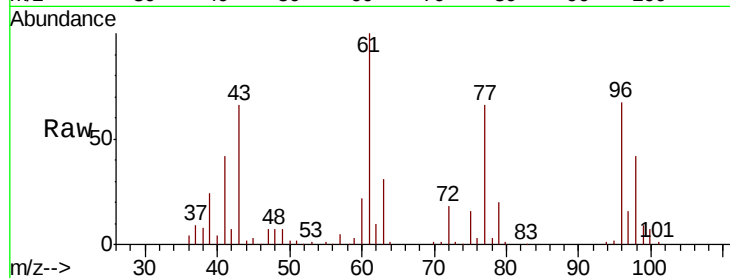


#27

cis-1,2-Dichloroethene
 Concen: 20.240 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :

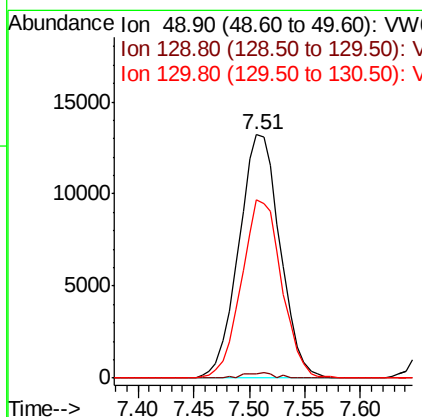
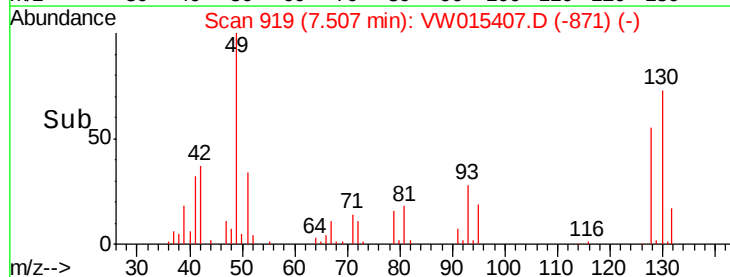
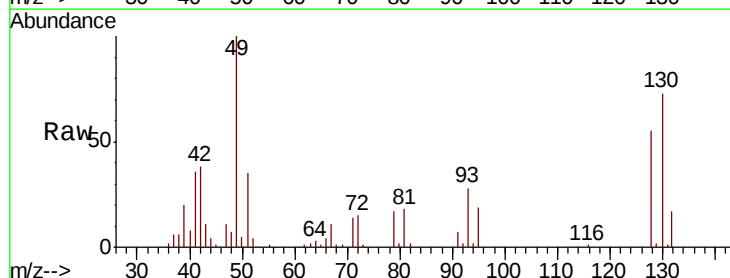
Tot Ion	96	Resp	52357
Ion Ratio	Lower	Upper	
96	100		
61	153.3	0.0	304.6
98	64.5	0.0	129.2

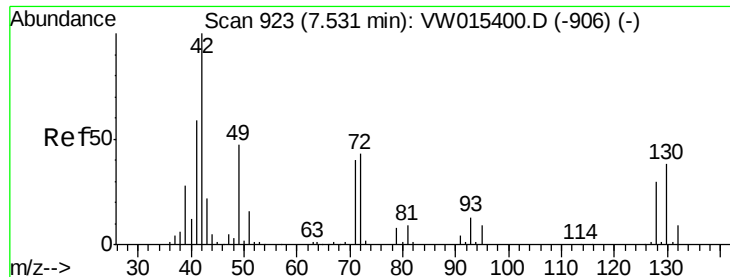


#28

Bromochloromethane
 Concen: 19.676 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	49	Resp	34079
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.0
130	71.3	57.0	85.4





#29

Tetrahydrofuran

Concen: 96.032 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

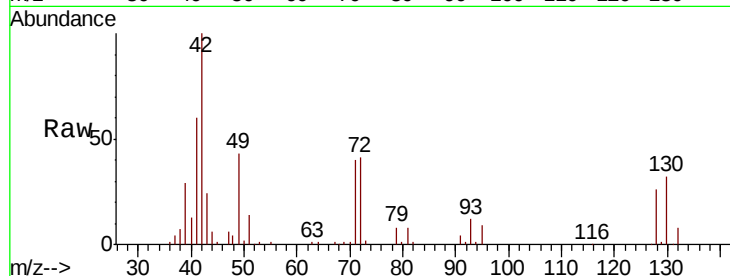
Tot Ion: 42 Resp: 36525

Ion Ratio Lower Upper

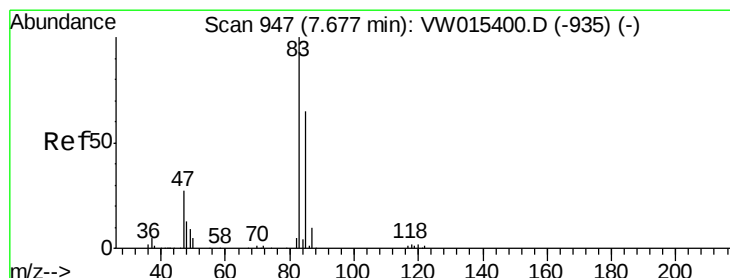
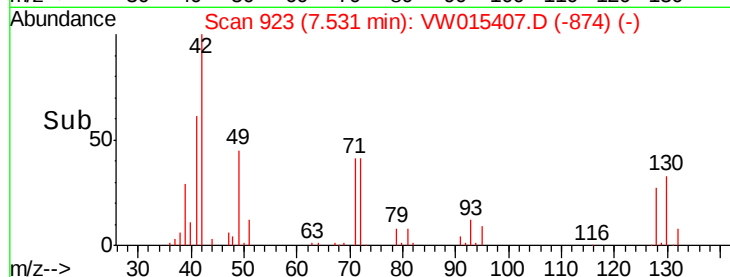
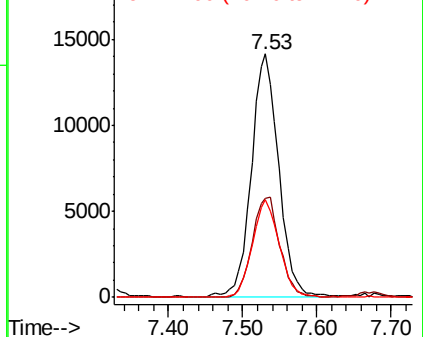
42 100

72 41.5 33.6 50.4

71 39.3 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.123 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015407.D

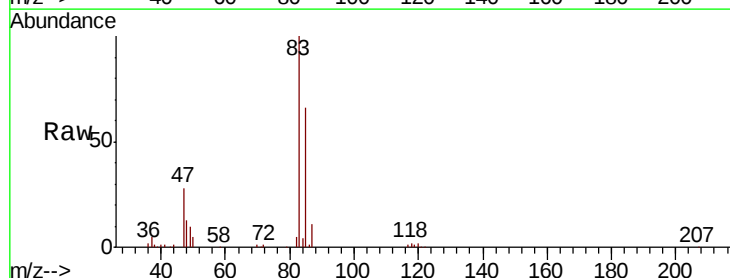
Acq: 06 May 2020 11:36

Tgt Ion: 83 Resp: 86124

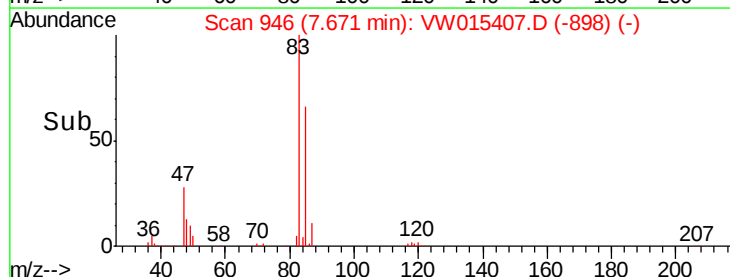
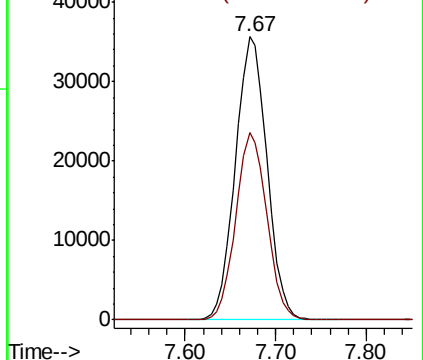
Ion Ratio Lower Upper

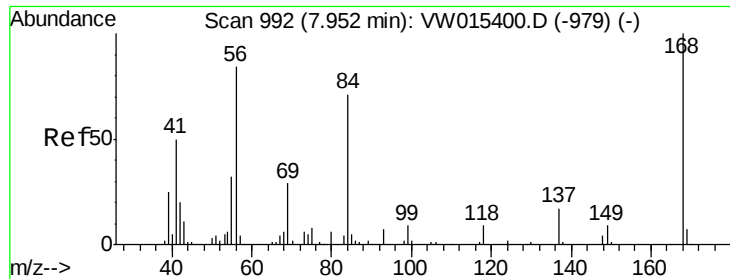
83 100

85 66.1 51.8 77.6



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

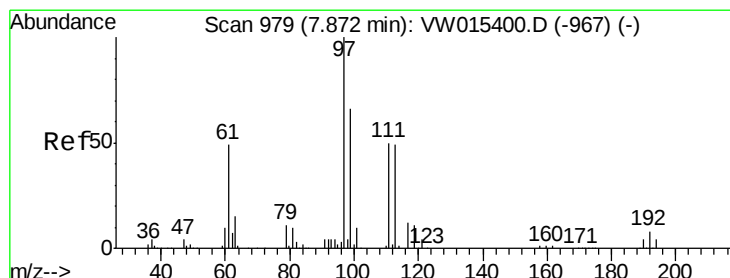
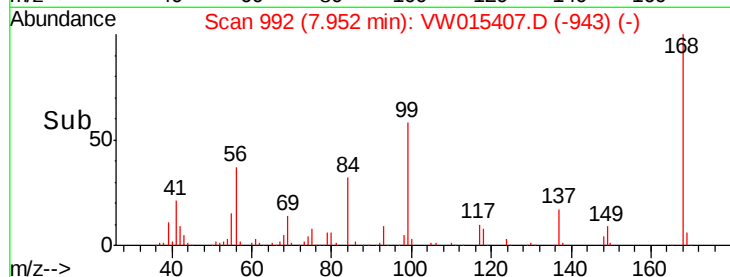
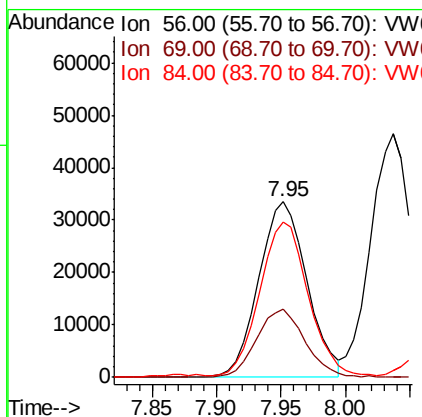
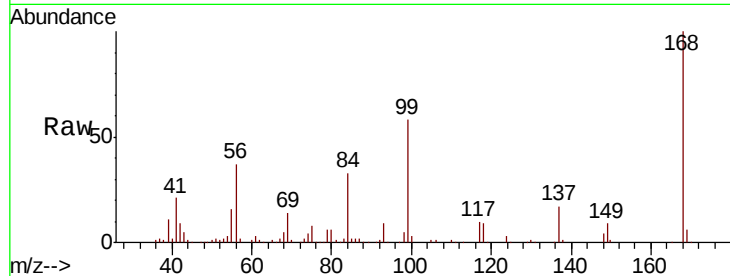




#31
Cyclohexane
Concen: 19.908 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

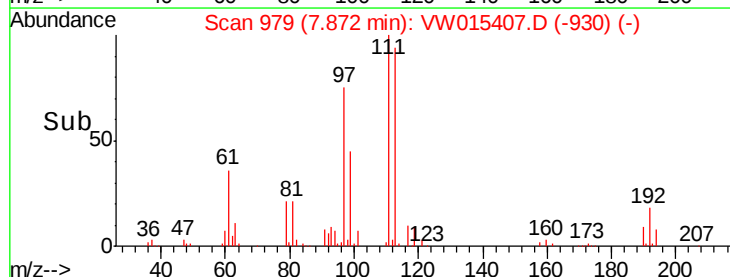
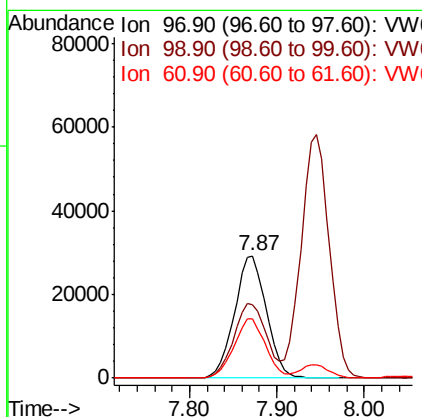
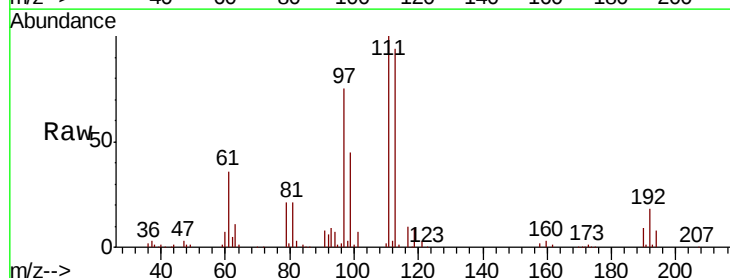
Instrument :
MSVOA_W
ClientSampleId :

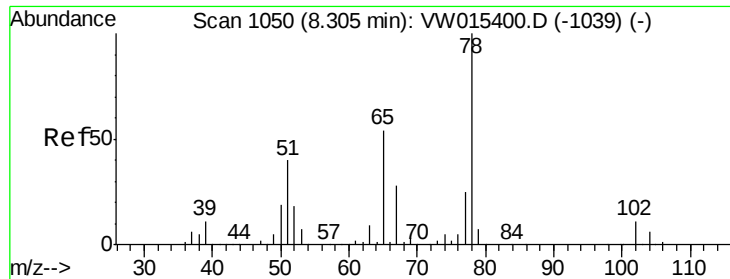
Tot Ion: 56 Resp: 87071
Ion Ratio Lower Upper
56 100
69 39.3 27.2 40.8
84 87.4 67.7 101.5



#32
1,1,1-Trichloroethane
Concen: 20.576 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion: 97 Resp: 74014
Ion Ratio Lower Upper
97 100
99 62.2 50.7 76.1
61 48.0 38.0 57.0

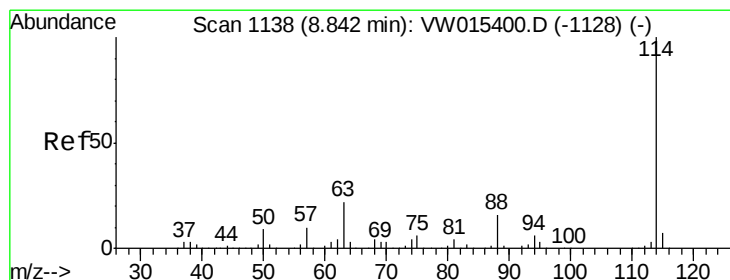
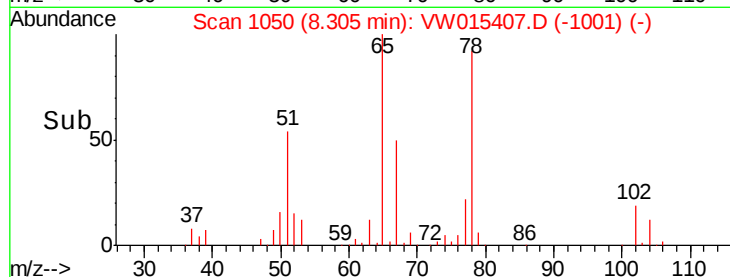
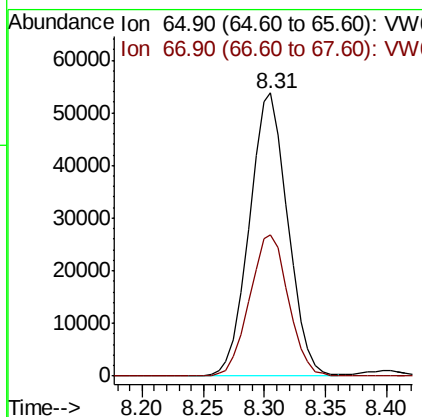
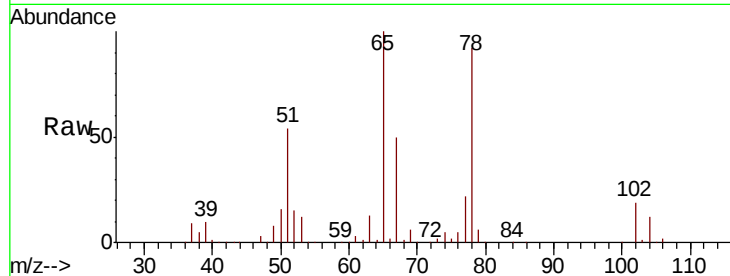




#33
 1,2-Dichloroethane-d4
 Concen: 49.207 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

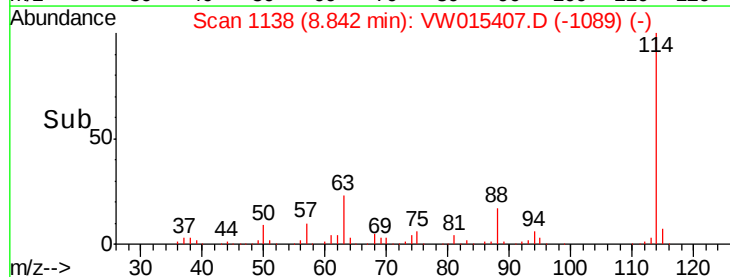
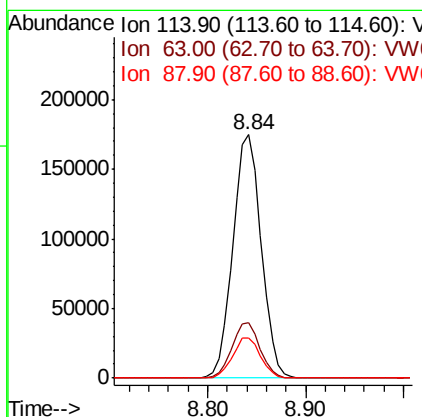
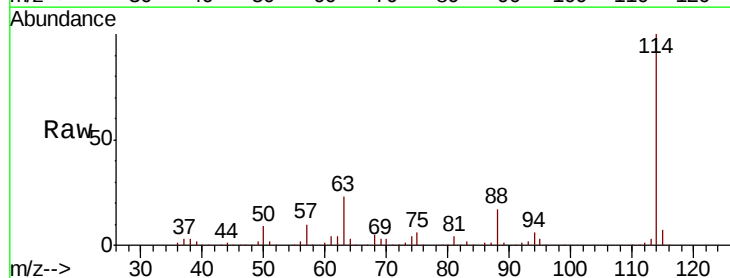
Instrument :
 MSVOA_W
 ClientSampleId :

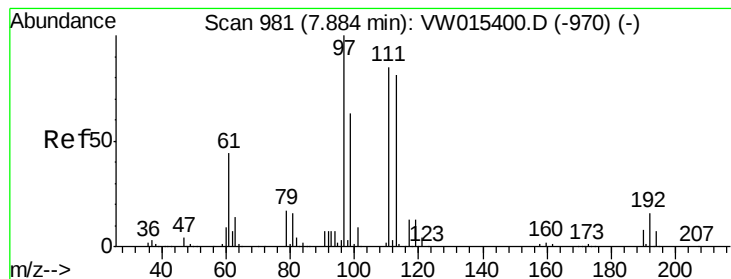
Tot Ion: 65 Resp: 117445
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 114 Resp: 350567
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 16.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.181 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

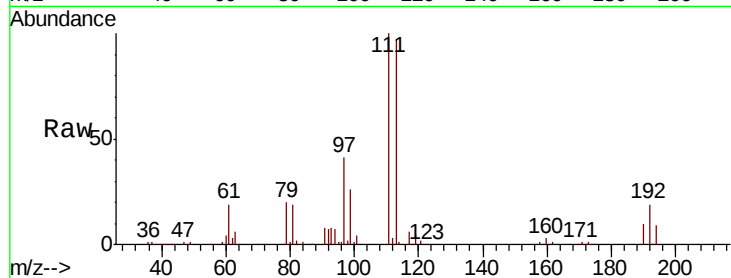
Tot Ion:113 Resp: 104993

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

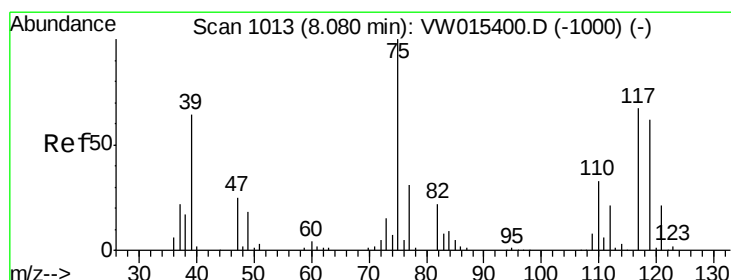
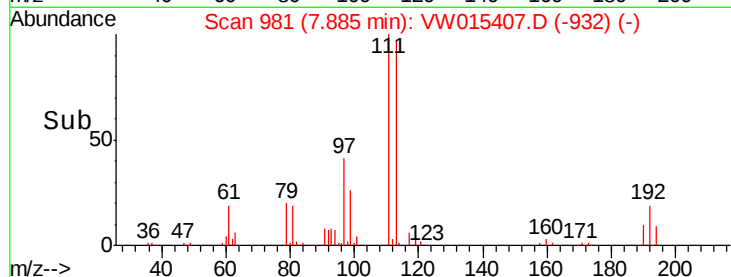
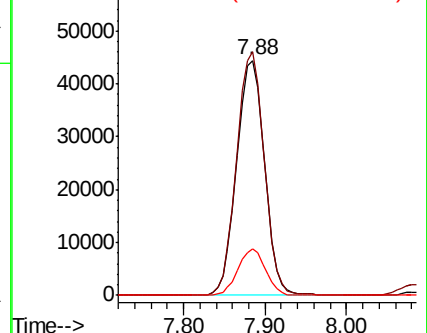
192 19.6 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.958 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

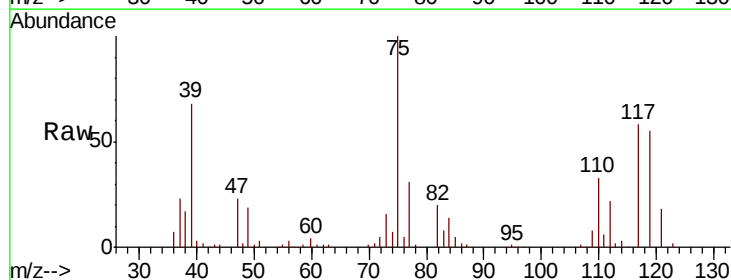
Tgt Ion: 75 Resp: 72184

Ion Ratio Lower Upper

75 100

110 33.1 16.6 49.8

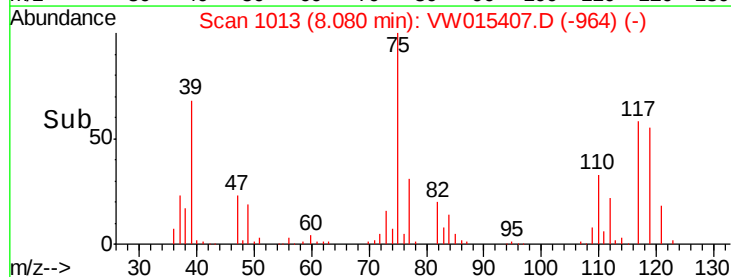
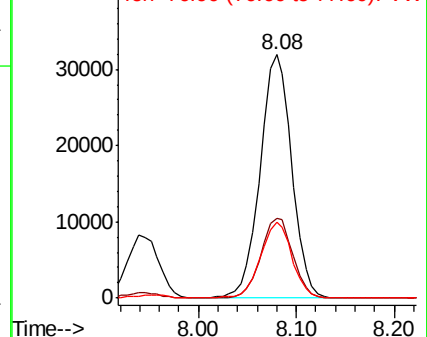
77 31.1 24.5 36.7

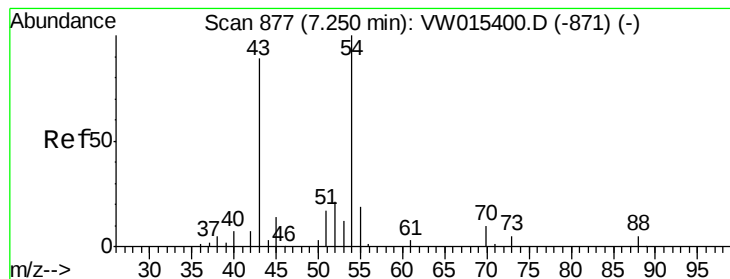


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.349 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

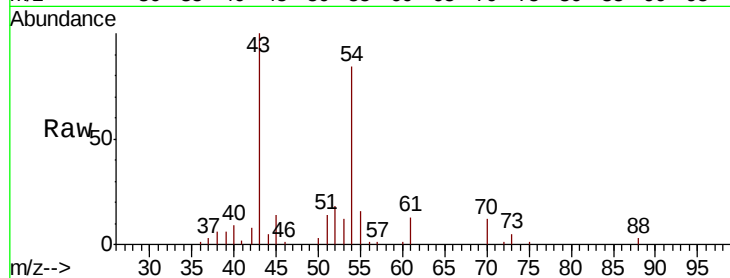
Tot Ion: 43 Resp: 27195

Ion Ratio Lower Upper

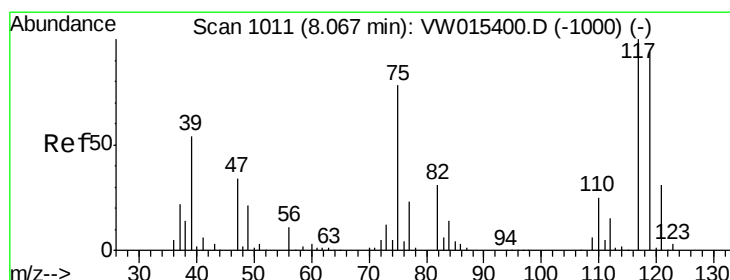
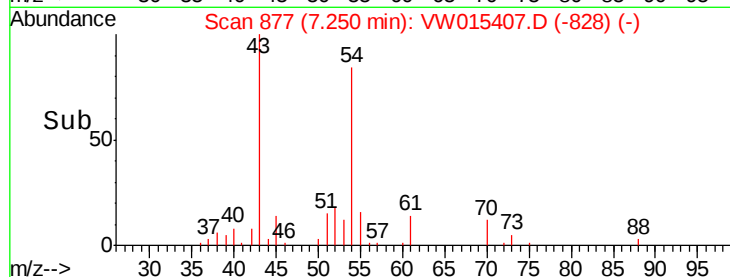
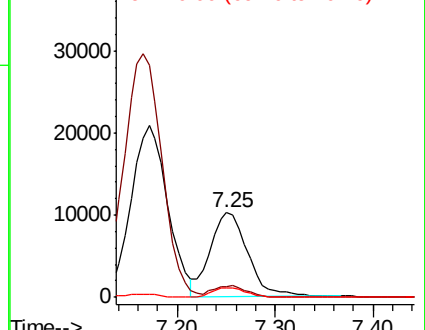
43 100

61 12.8 10.2 15.2

70 10.6 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 20.915 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

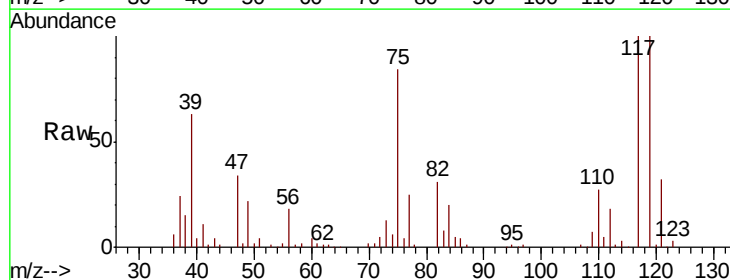
Tgt Ion: 117 Resp: 67344

Ion Ratio Lower Upper

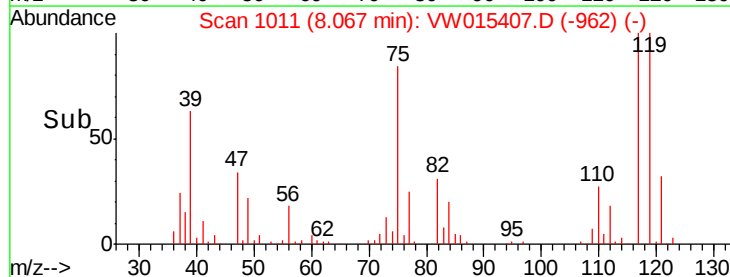
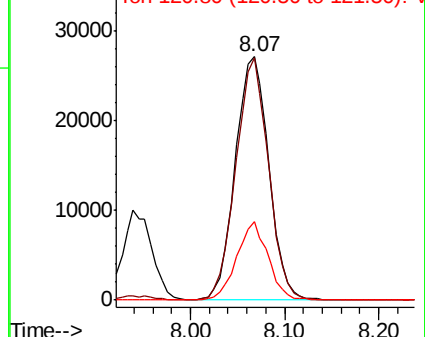
117 100

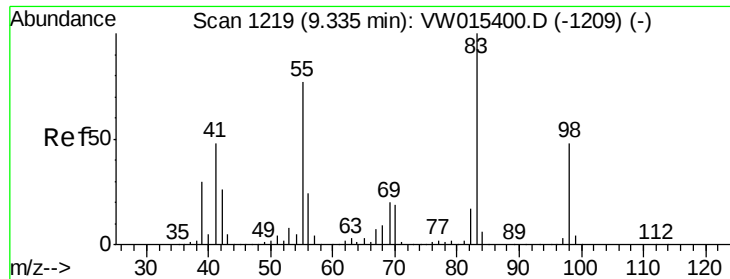
119 99.5 75.4 113.0

121 32.4 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

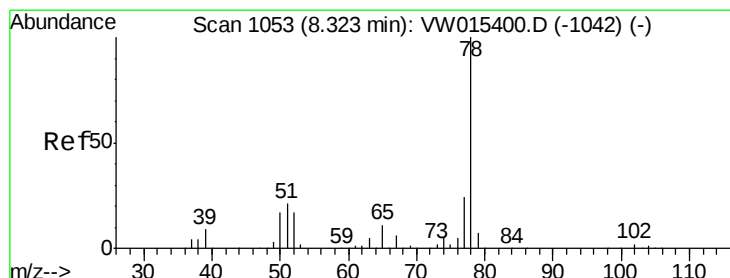
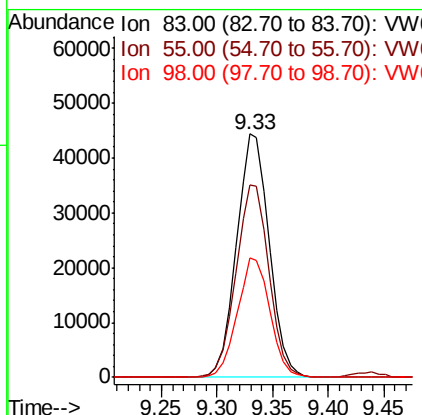
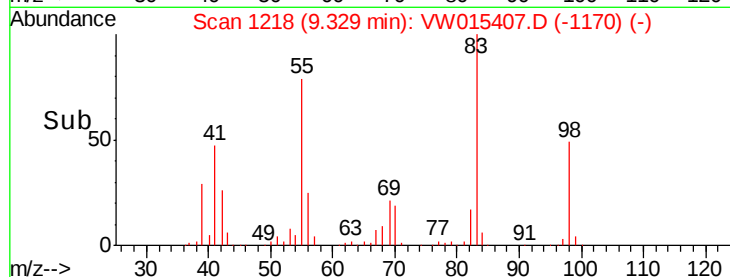
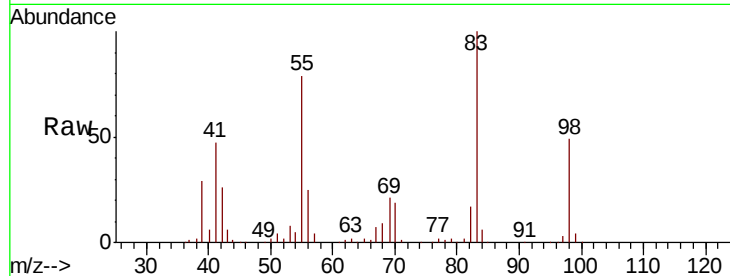




#39
Methvlcvclohexane
Concen: 20.689 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

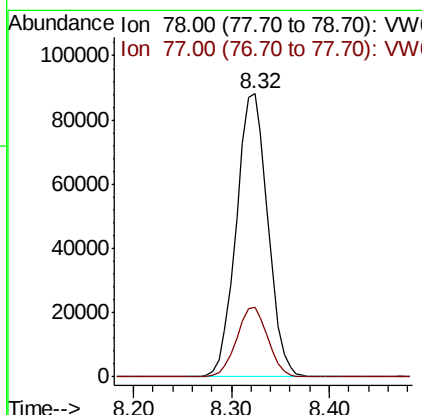
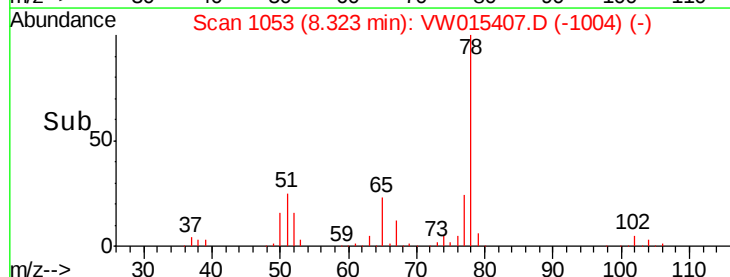
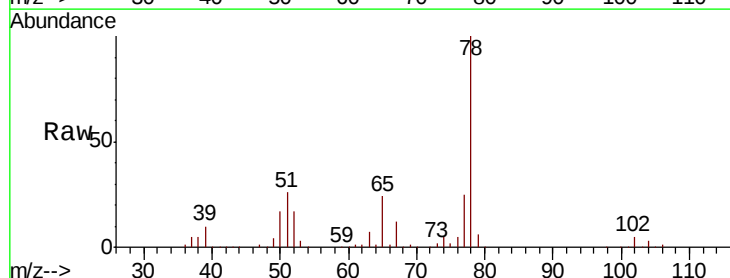
Instrument :
MSVOA_W
ClientSampleId :

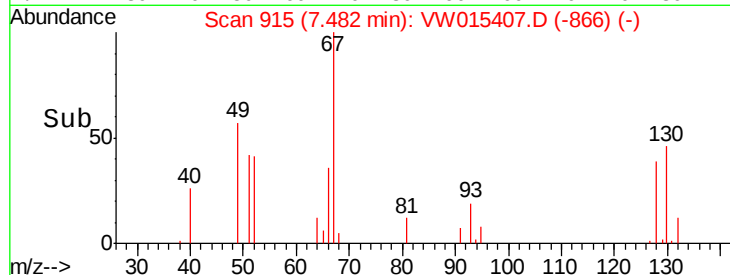
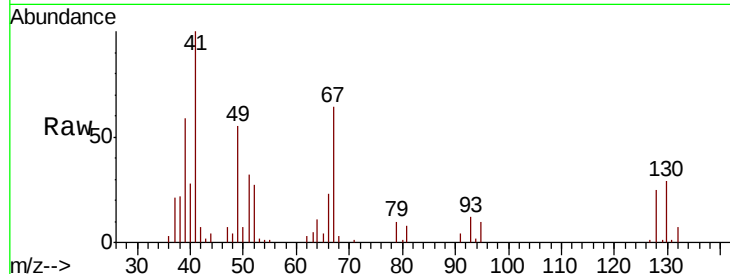
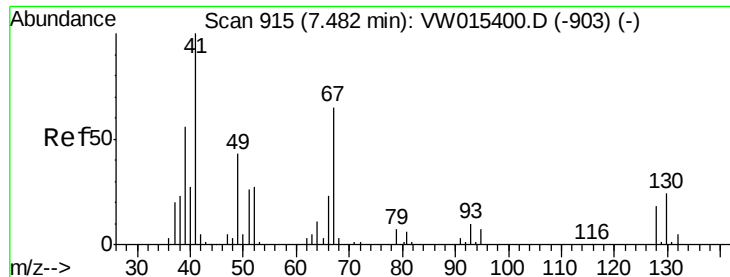
Tot Ion: 83 Resp: 90200
Ion Ratio Lower Upper
83 100
55 79.1 61.9 92.9
98 48.9 38.2 57.2



#40
Benzene
Concen: 20.927 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

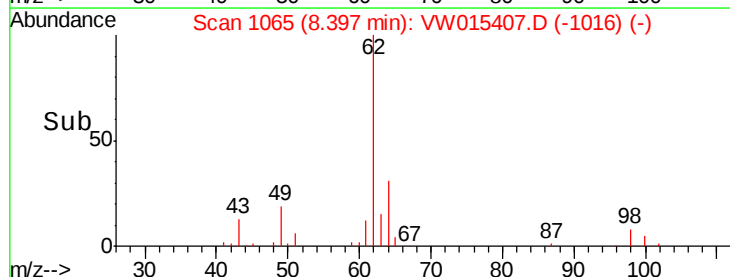
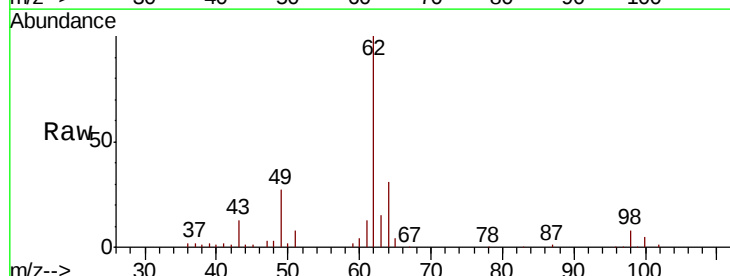
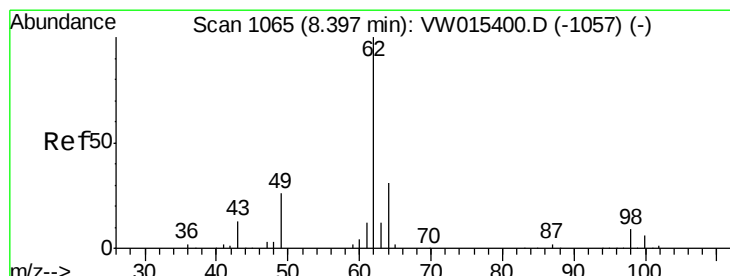
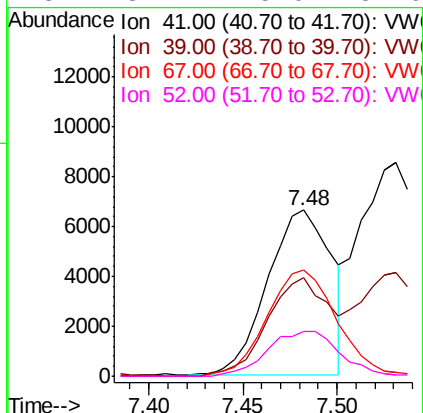
Tgt Ion: 78 Resp: 196580
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.4





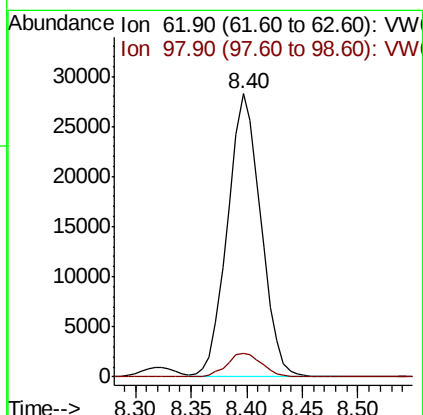
#41
Methacrylonitrile
Concen: 18.226 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

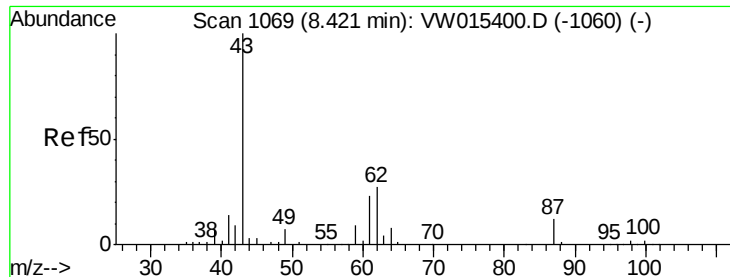
Tot Ion:	41	Resp:	15390
Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.2	69.4
67	71.4	56.2	84.2
52	31.2	25.0	37.6



#42
1,2-Dichloroethane
Concen: 20.532 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:	62	Resp:	58746
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.428 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

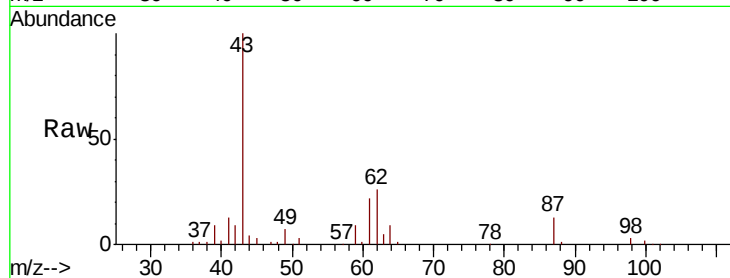
Tot Ion: 43 Resp: 54606

Ion Ratio Lower Upper

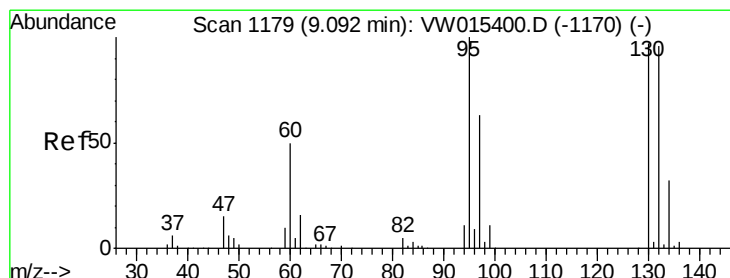
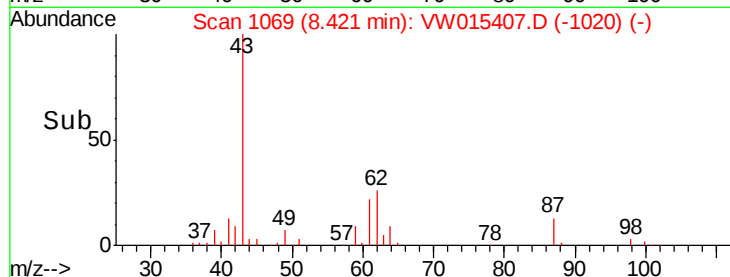
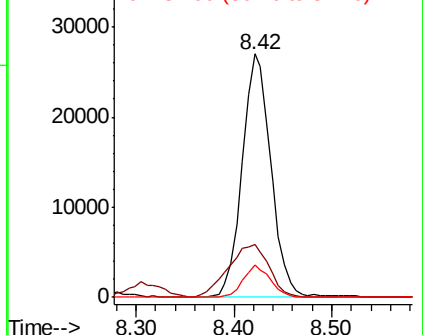
43 100

61 31.1 24.3 36.5

87 12.5 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.920 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015407.D

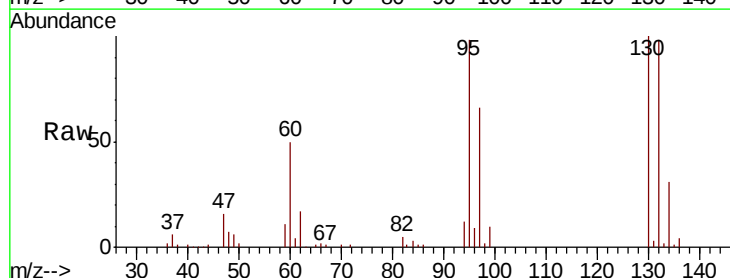
Acq: 06 May 2020 11:36

Tgt Ion: 130 Resp: 50933

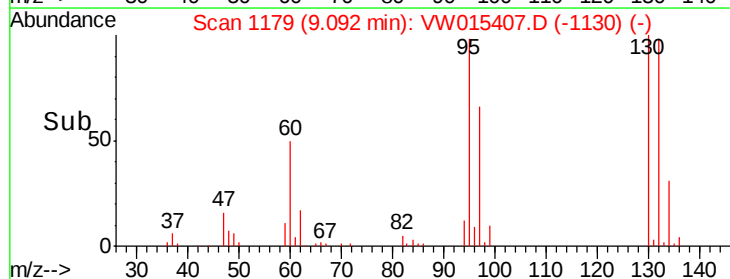
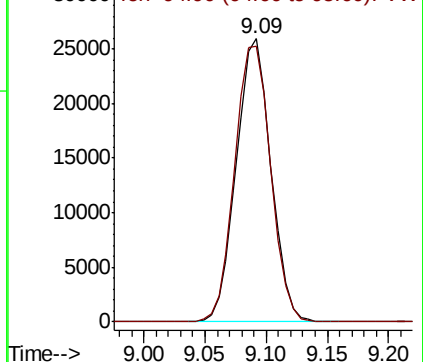
Ion Ratio Lower Upper

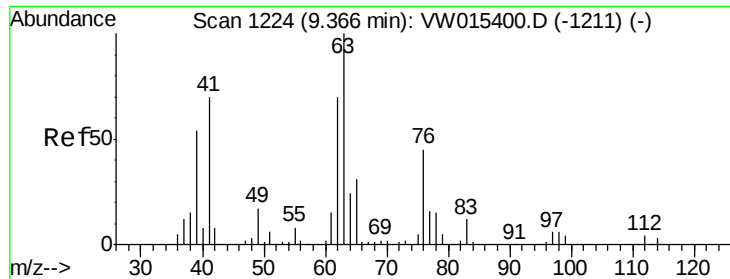
130 100

95 97.5 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

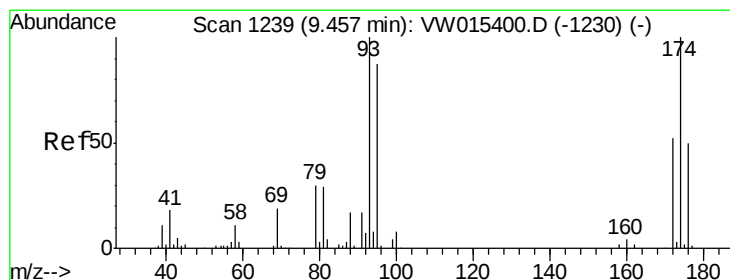
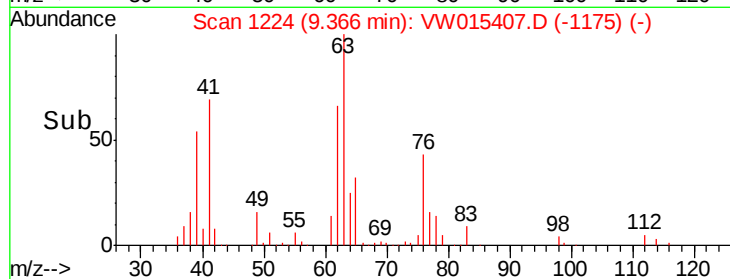
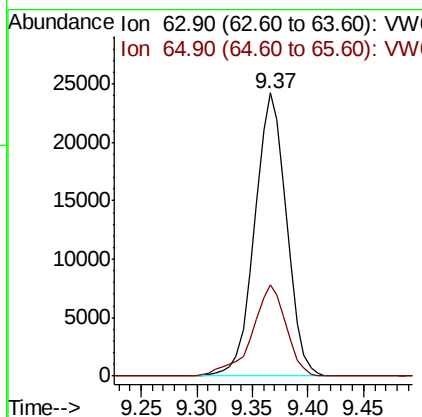
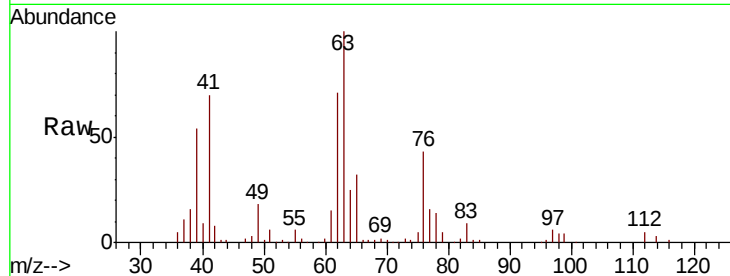




#45
 1,2-Dichloropropane
 Concen: 20.775 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

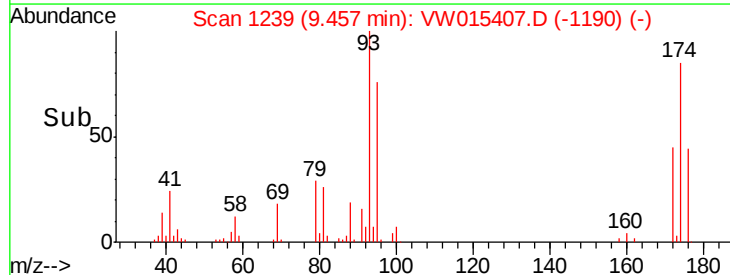
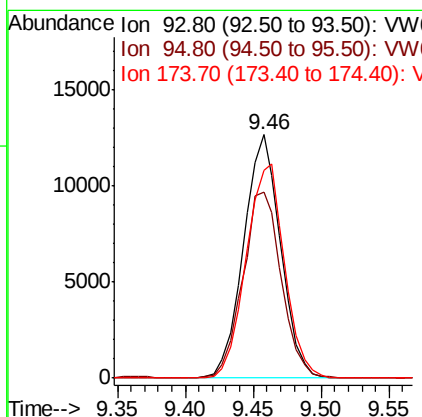
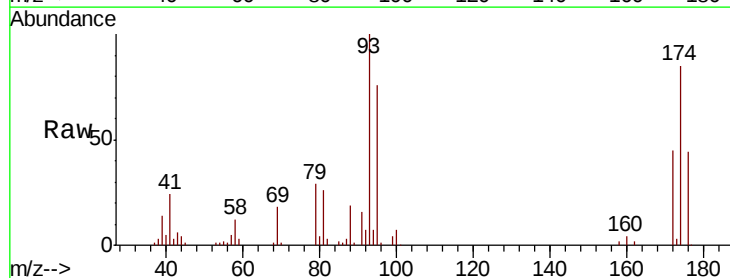
Instrument :
 MSVOA_W
 ClientSampled :

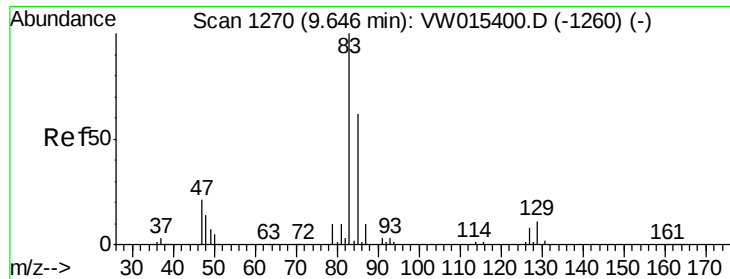
Tot Ion: 63 Resp: 48210
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.6



#46
 Dibromomethane
 Concen: 20.878 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 93 Resp: 24097
 Ion Ratio Lower Upper
 93 100
 95 79.6 67.0 100.4
 174 91.0 78.4 117.6





#47

Bromodichloromethane

Concen: 20.702 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

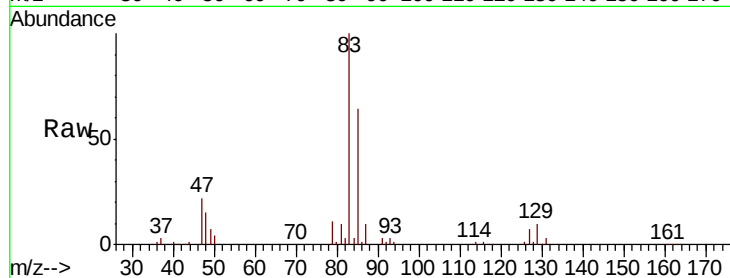
Tot Ion: 83 Resp: 65117

Ion Ratio Lower Upper

83 100

85 64.4 49.4 74.0

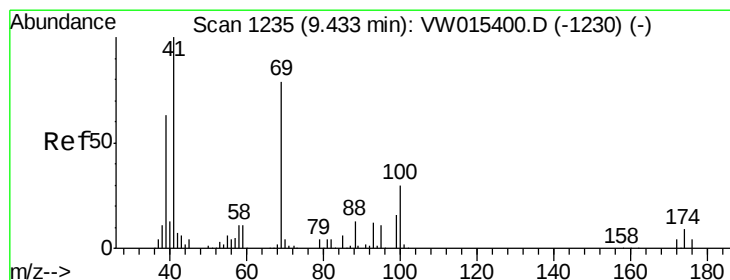
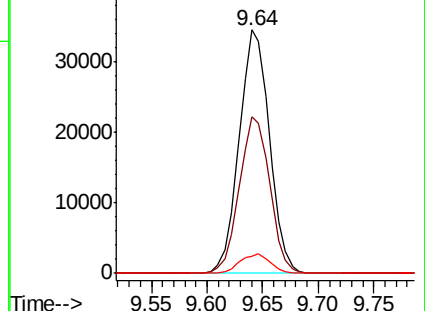
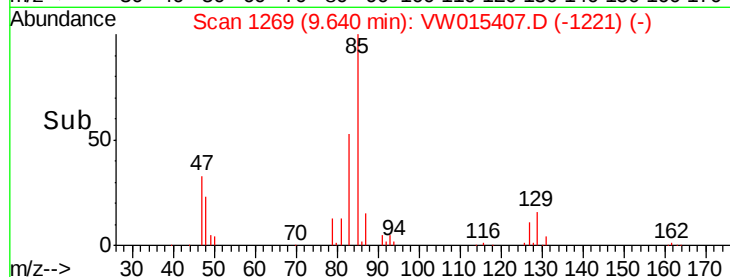
127 7.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.702 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

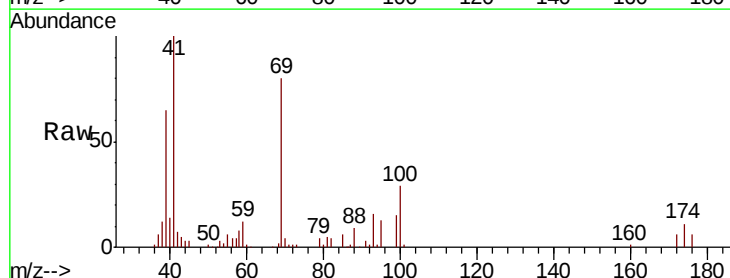
Tgt Ion: 41 Resp: 25579

Ion Ratio Lower Upper

41 100

69 85.3 66.2 99.4

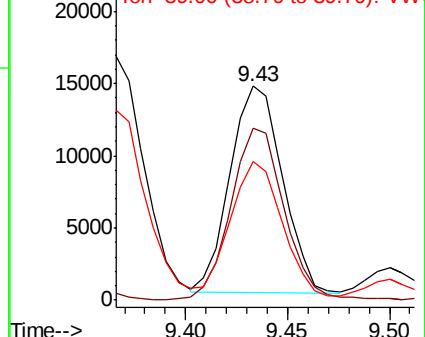
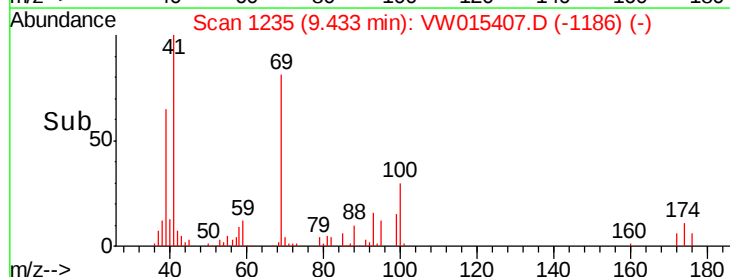
39 63.8 51.1 76.7

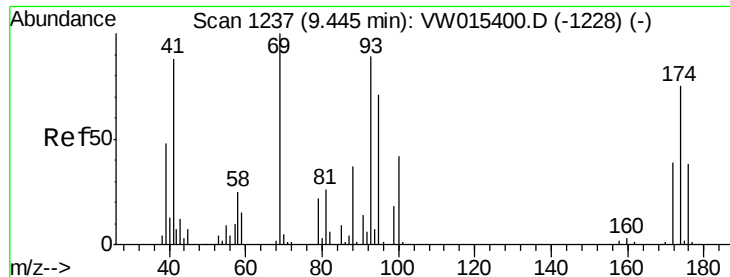


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 399.318 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :

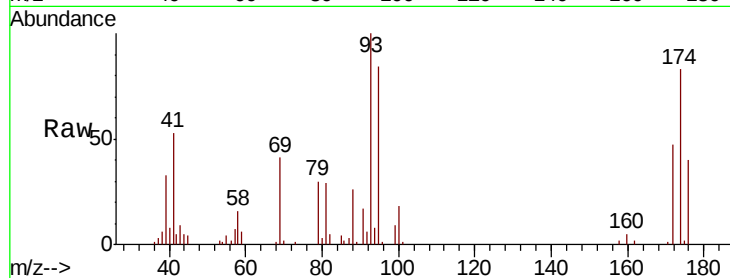
Tot Ion: 88 Resp: 5800

Ion Ratio Lower Upper

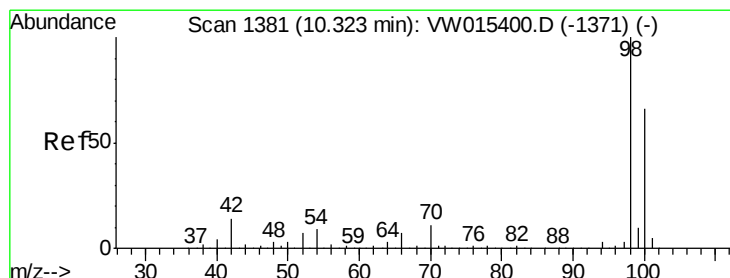
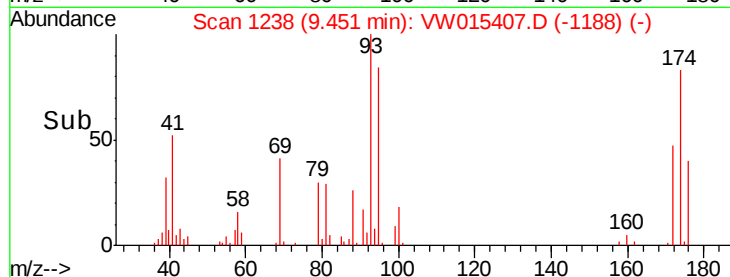
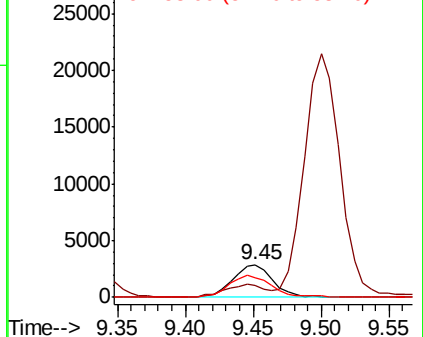
88 100

43 37.3 30.6 45.8

58 74.2 56.3 84.5



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



#50

Toluene-d8

Concen: 51.960 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015407.D

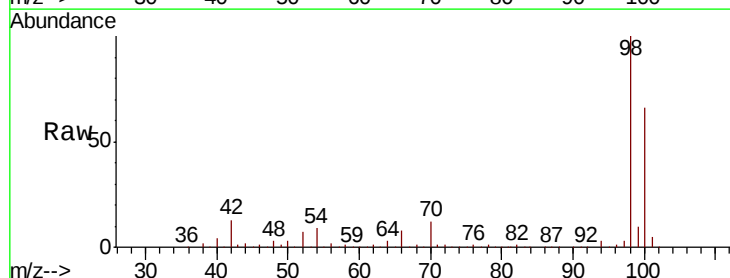
Acq: 06 May 2020 11:36

Tgt Ion: 98 Resp: 432660

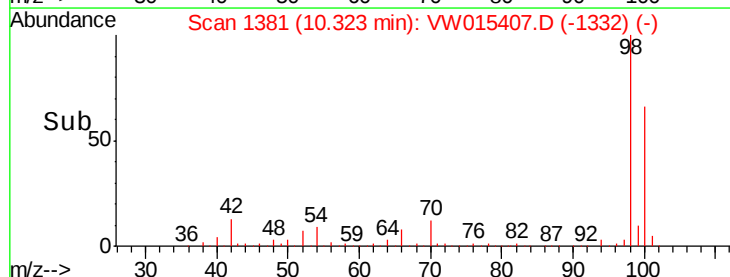
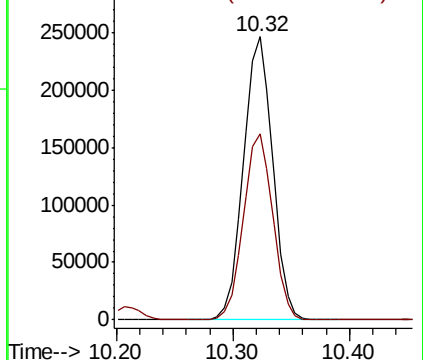
Ion Ratio Lower Upper

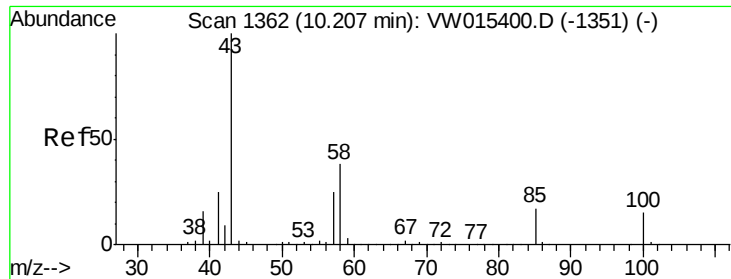
98 100

100 65.8 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 97.707 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

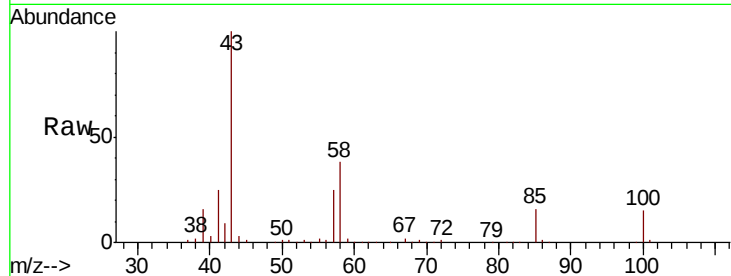
ClientSampled :

Tot Ion: 43 Resp: 128701

Ion Ratio Lower Upper

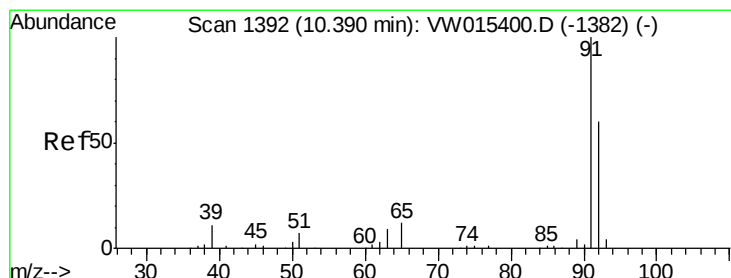
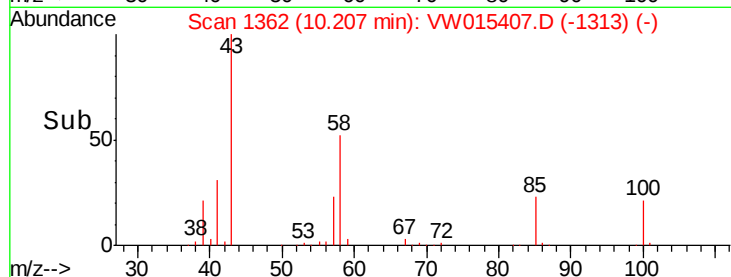
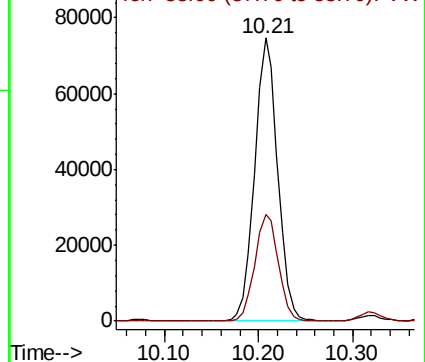
43 100

58 38.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.011 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015407.D

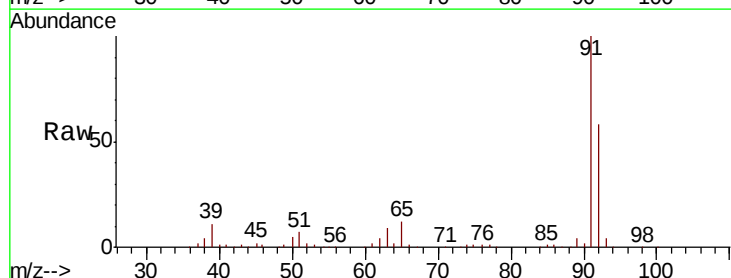
Acq: 06 May 2020 11:36

Tgt Ion: 92 Resp: 128260

Ion Ratio Lower Upper

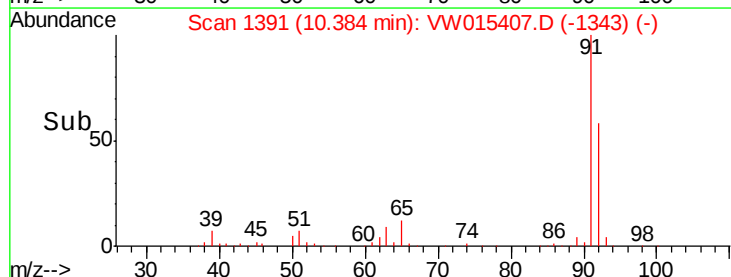
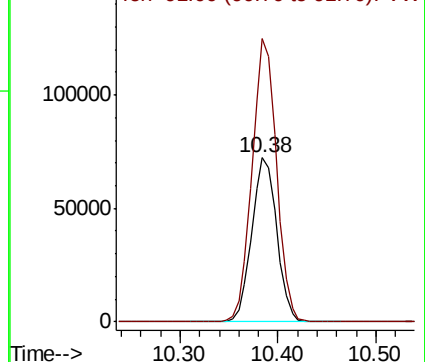
92 100

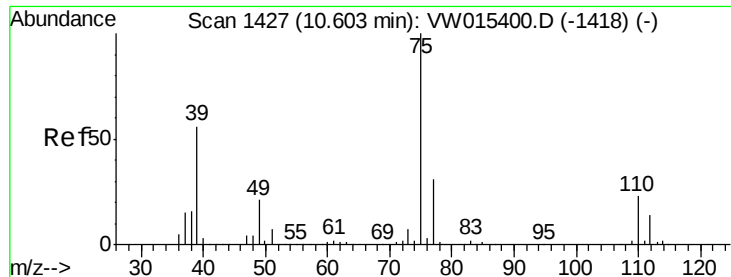
91 168.8 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

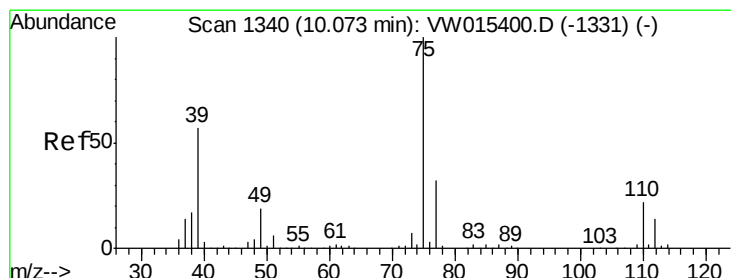
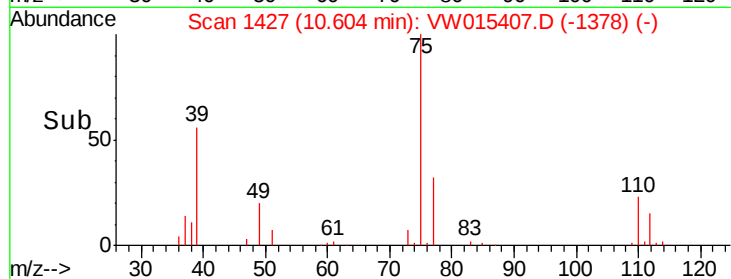
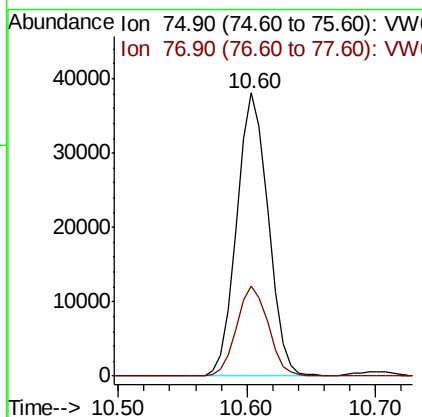
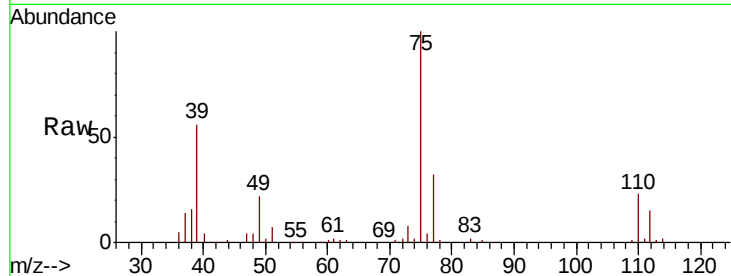




#53
 t-1,3-Dichloropropene
 Concen: 20.058 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

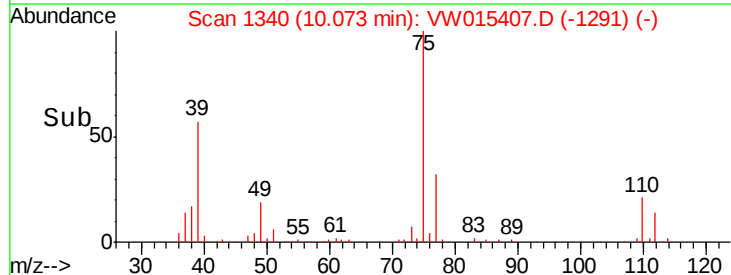
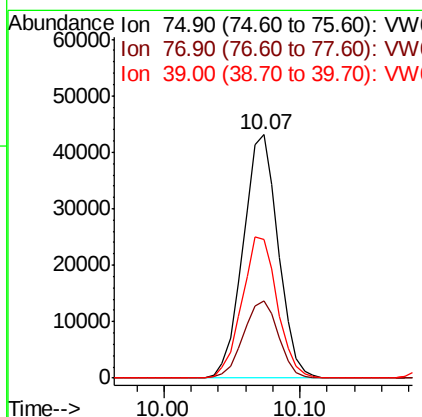
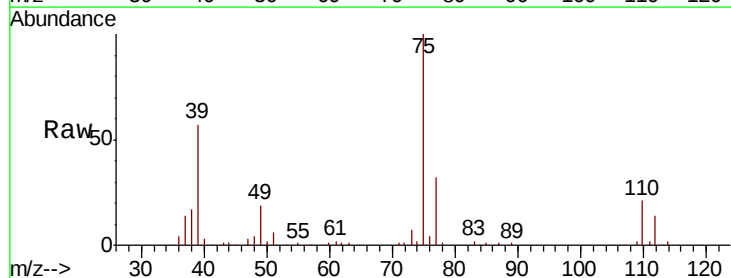
Instrument :
 MSVOA_W
 ClientSampleId :

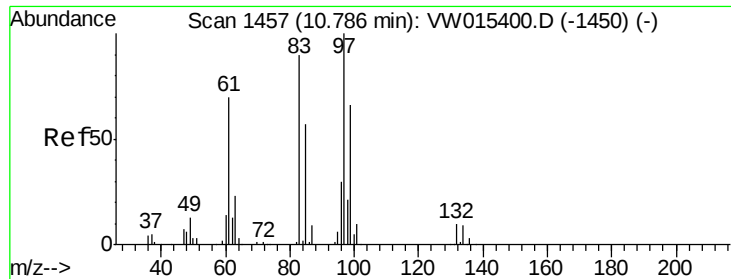
Tot Ion: 75 Resp: 64399
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.575 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 75 Resp: 77780
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4
 39 56.9 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 19.916 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 32505

Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.2	108.4
85	53.3	45.2	67.8
99	63.1	52.6	78.8

Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.79

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.90

13.00

13.10

13.20

13.30

13.40

13.50

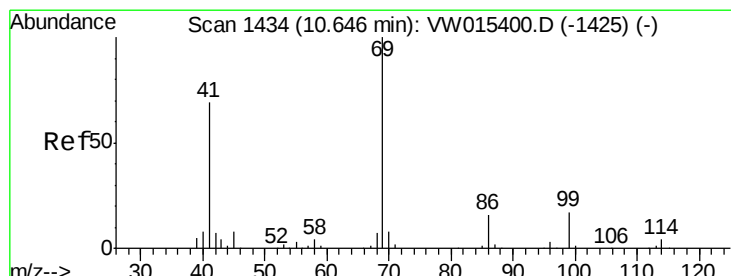
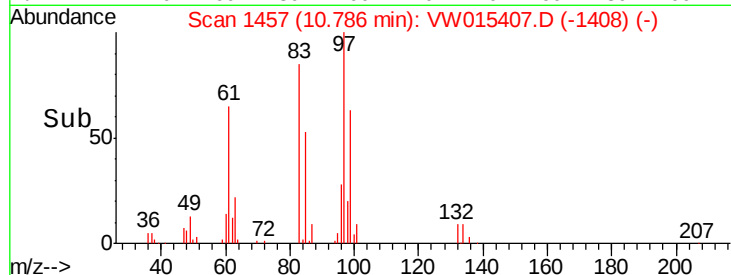
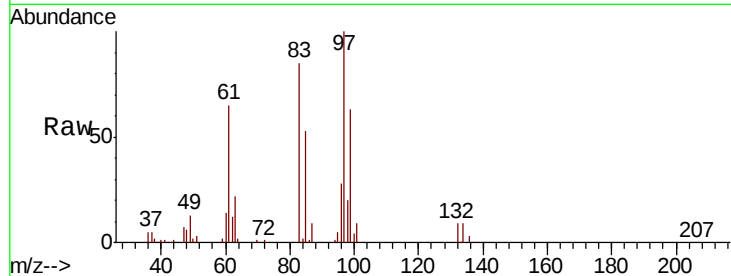
13.60

13.70

13.80

13.90

14.00



#56

Ethyl methacrylate

Concen: 19.465 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion: 69 Resp: 43649

Ion	Ratio	Lower	Upper
69	100		
41	72.8	55.3	82.9
39	41.1	31.9	47.9

Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.65

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

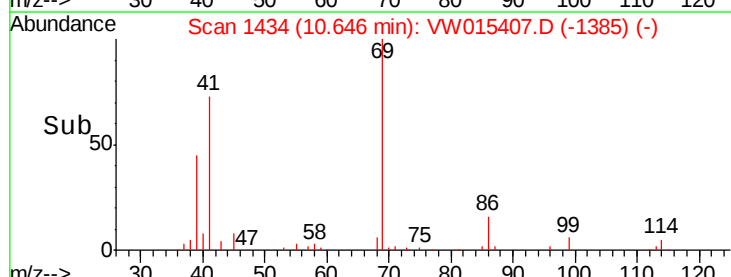
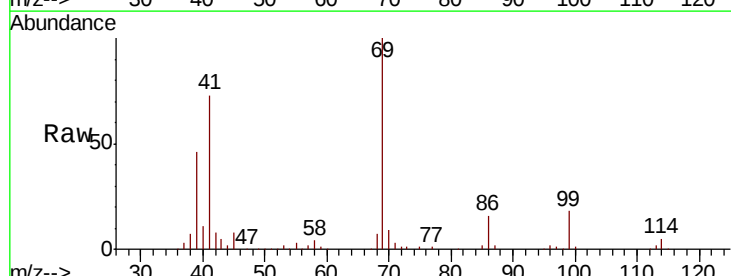
11.55

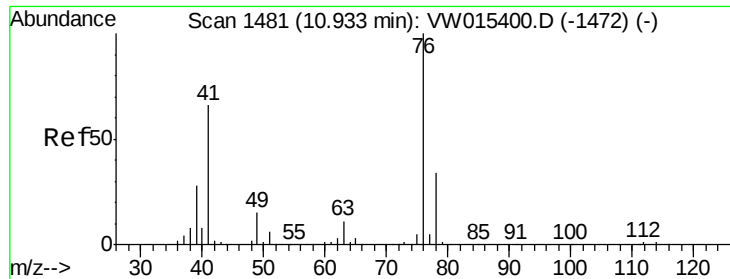
11.60

11.65

11.70

11.75

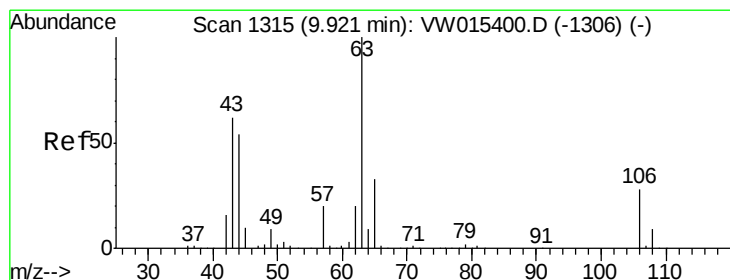
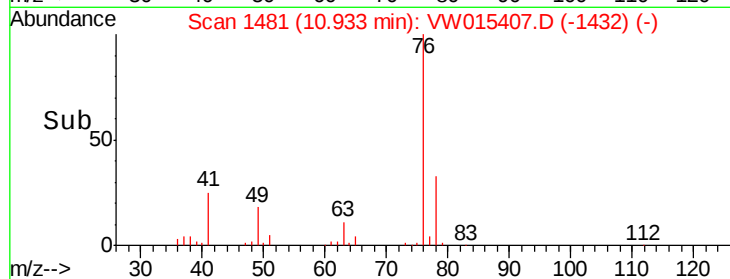
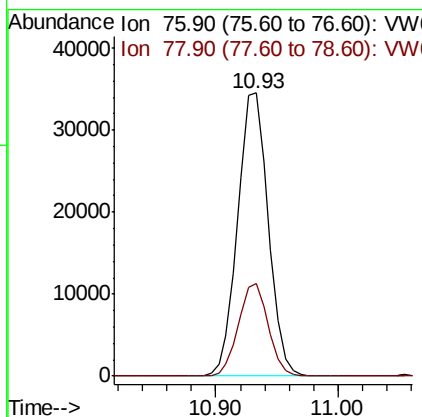
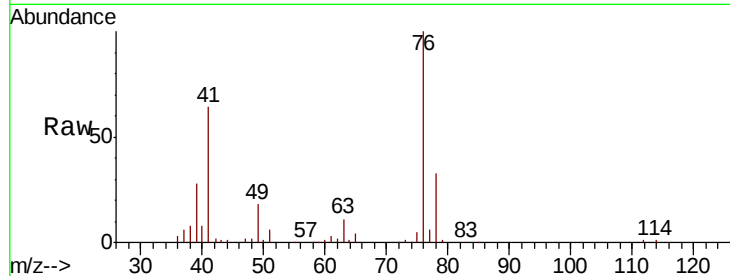




#57
 1,3-Dichloropropane
 Concen: 20.435 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

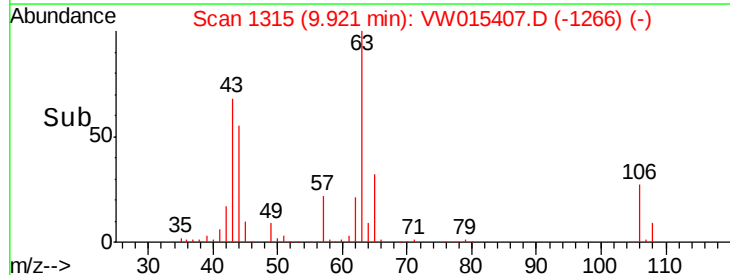
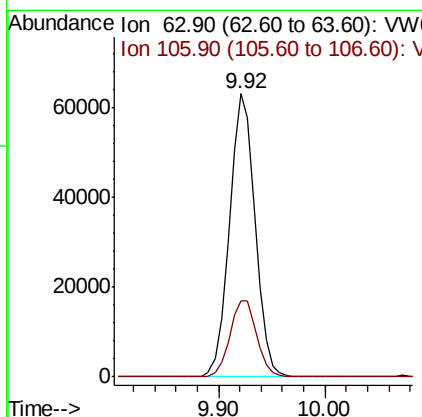
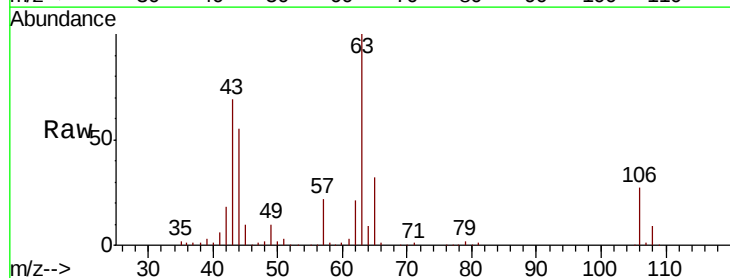
Instrument :
 MSVOA_W
 ClientSampleId :

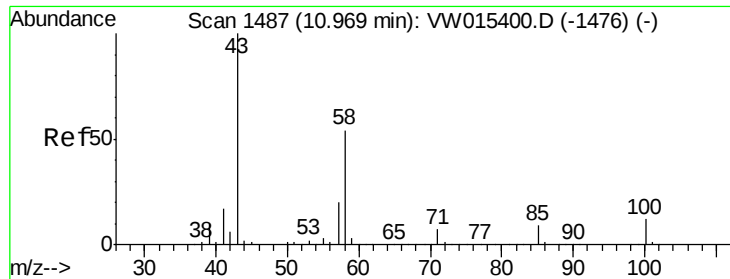
Tot Ion: 76 Resp: 59967
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.676 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 63 Resp: 106561
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8

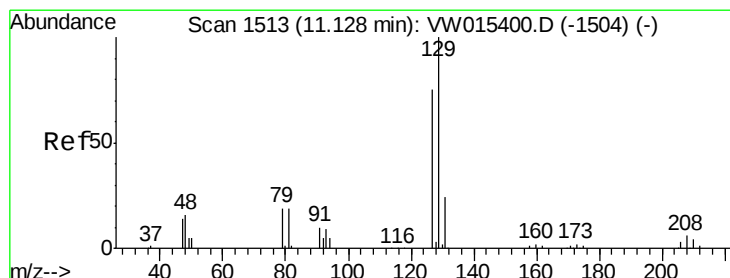
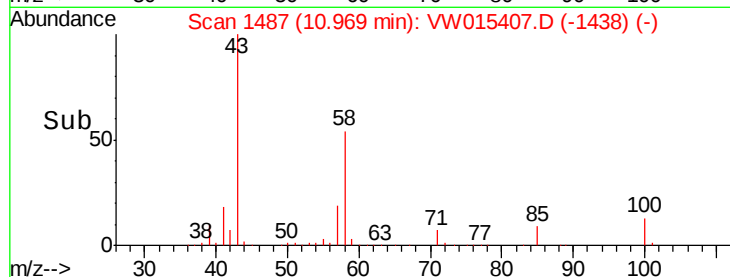
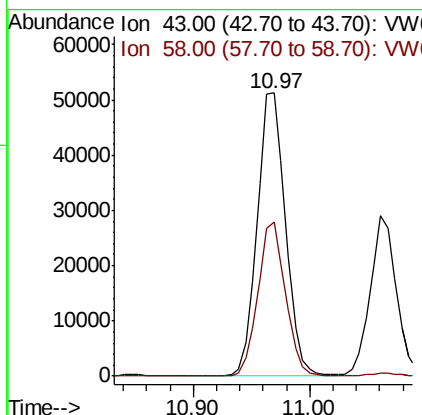
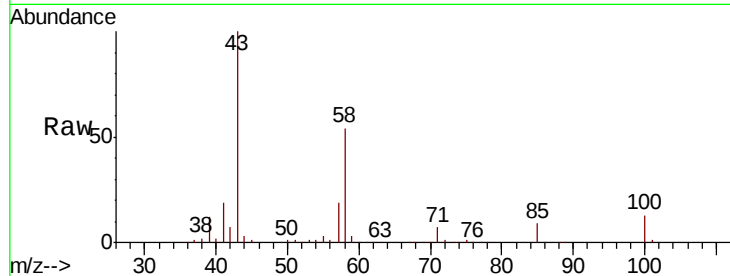




#59
2-Hexanone
Concen: 97.465 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

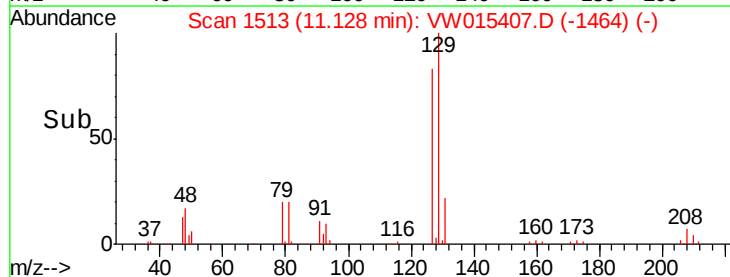
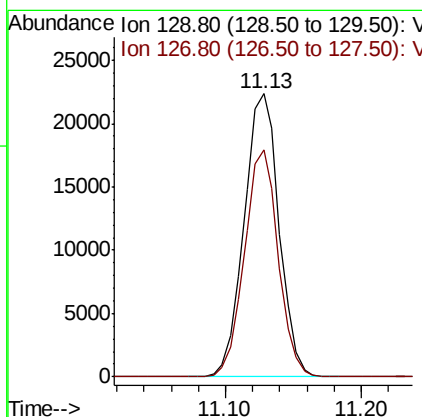
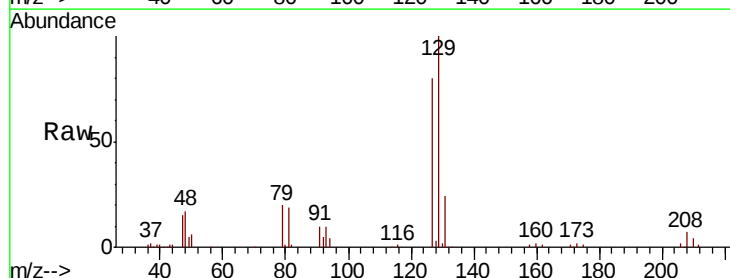
Instrument :
MSVOA_W
ClientSampled :

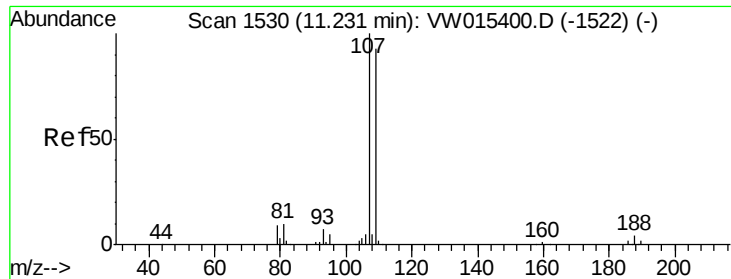
Tot Ion: 43 Resp: 86867
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.0



#60
Dibromochloromethane
Concen: 20.530 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion: 129 Resp: 40298
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2

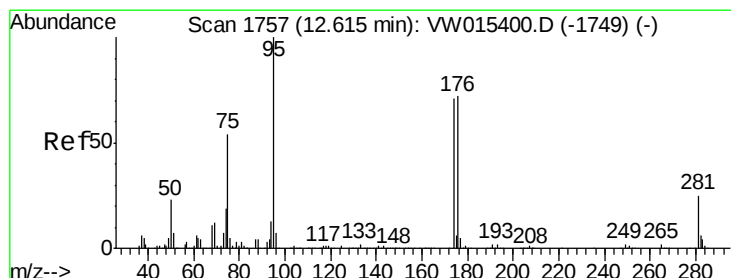
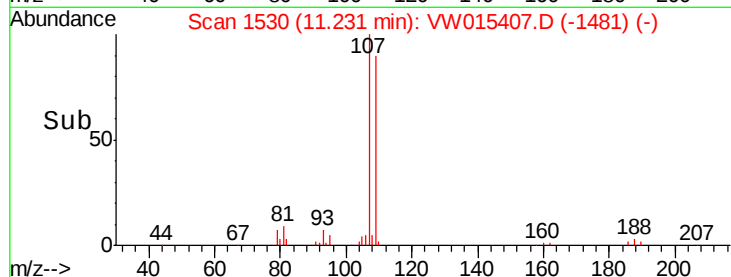
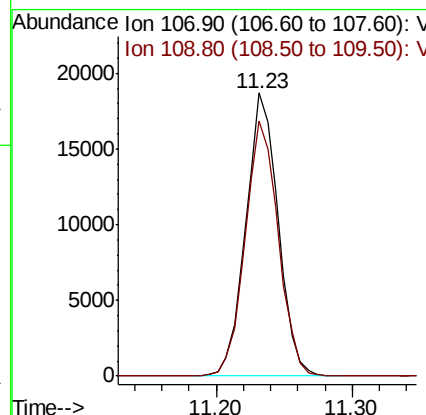
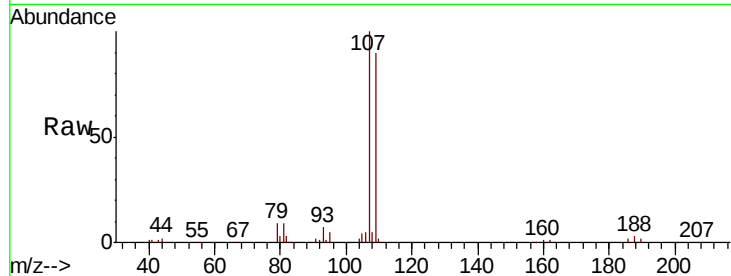




#61
 1,2-Dibromoethane
 Concen: 20.120 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

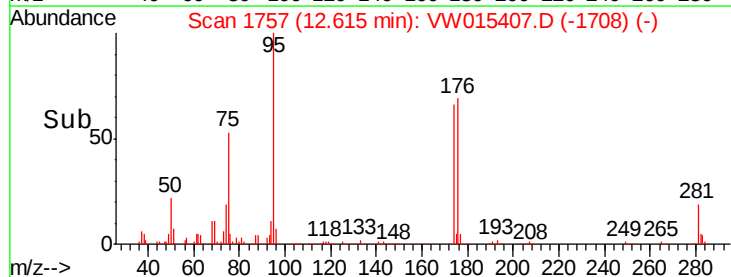
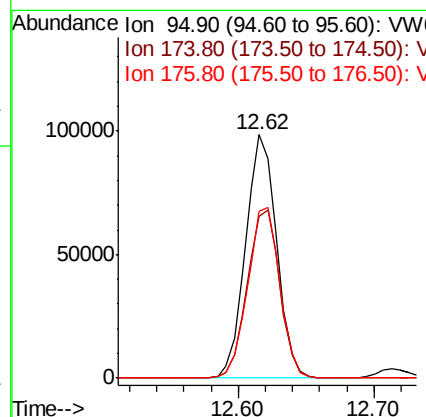
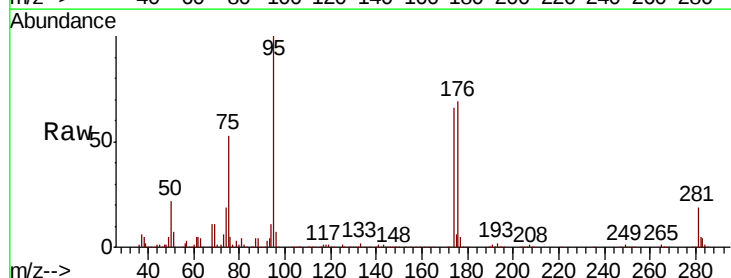
Instrument :
 MSVOA_W
 ClientSampleId :

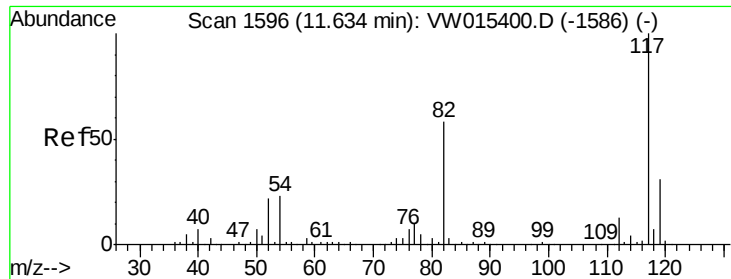
Tot Ion:107 Resp: 31093
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.081 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 95 Resp: 157060
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 147.6
 176 72.5 0.0 144.4

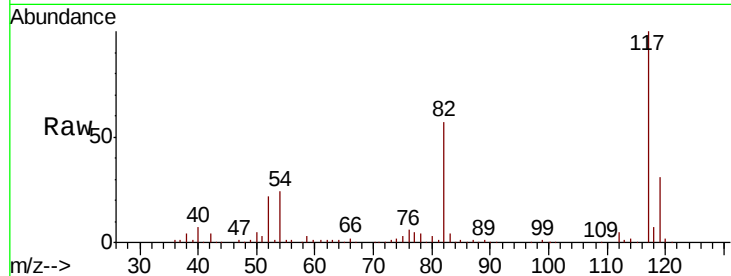




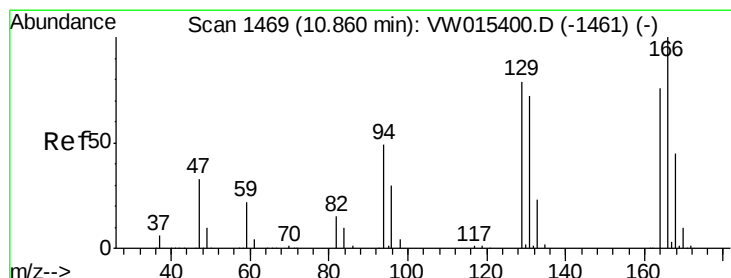
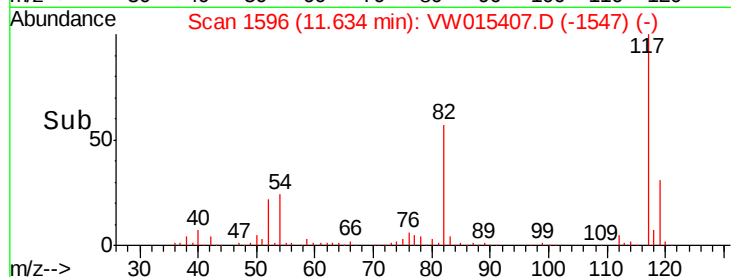
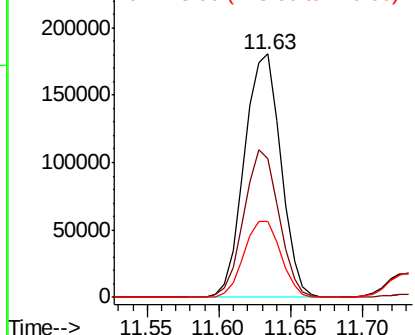
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 315638
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 31.3 24.6 37.0

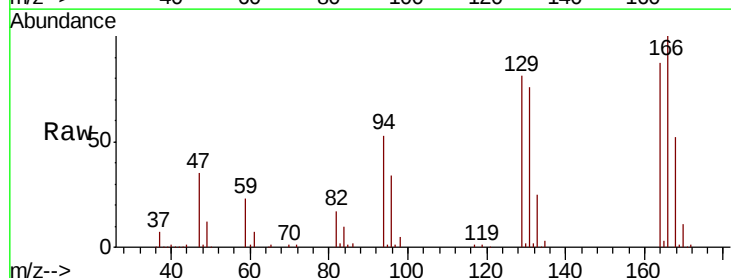


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

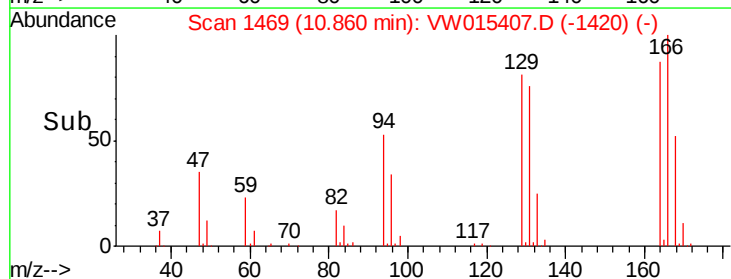
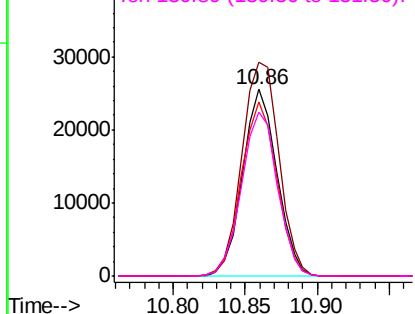


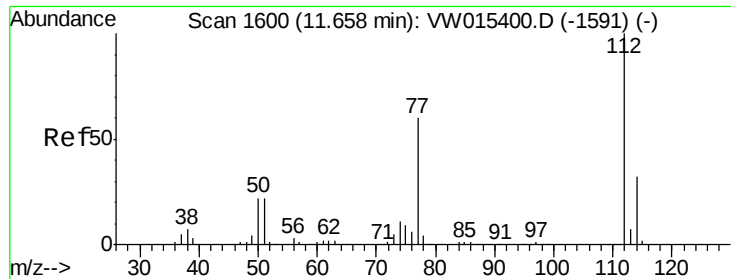
#64
Tetrachloroethene
Concen: 21.800 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:164 Resp: 42059
Ion Ratio Lower Upper
164 100
166 114.5 104.9 157.3
129 93.3 82.7 124.1
131 87.6 75.5 113.3



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

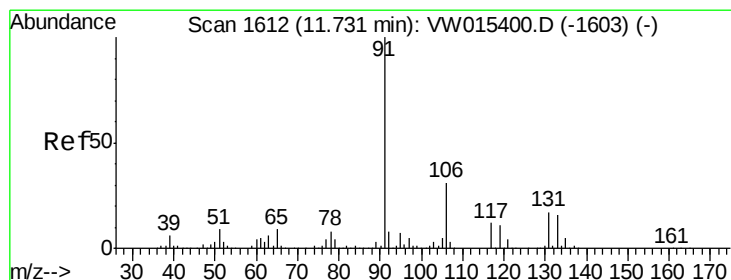
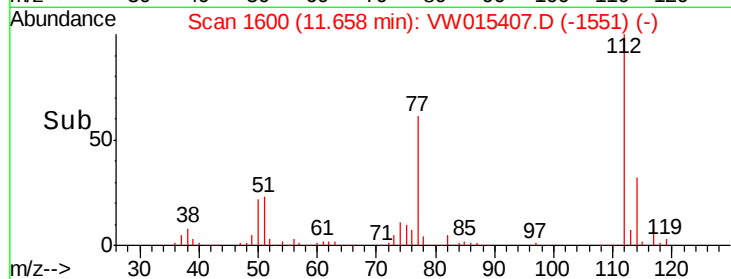
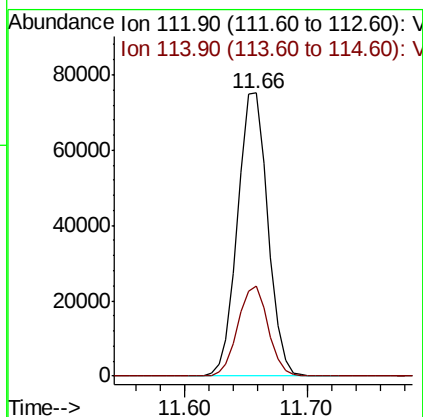
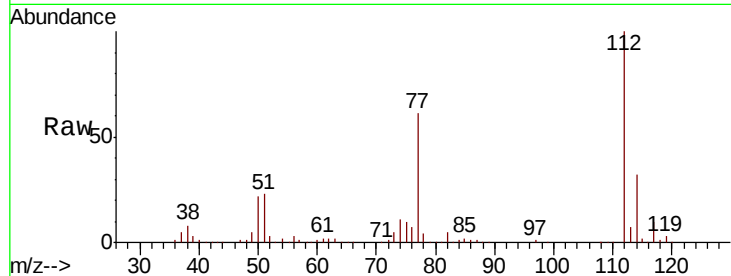




#65
Chlorobenzene
Concen: 20.685 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

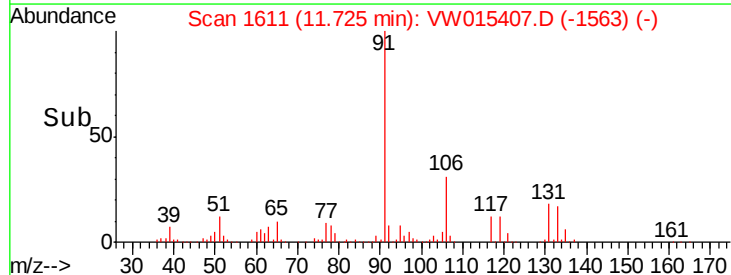
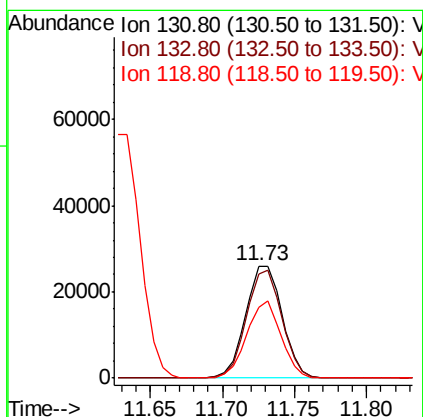
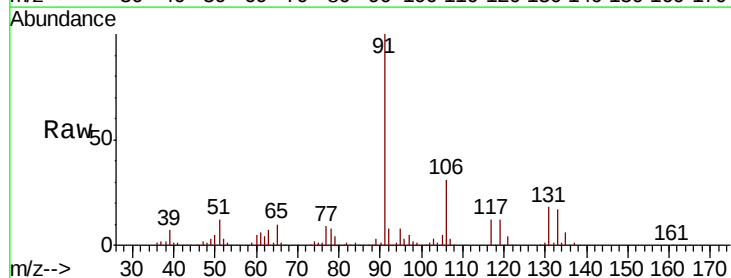
Instrument :
MSVOA_W
ClientSampleId :

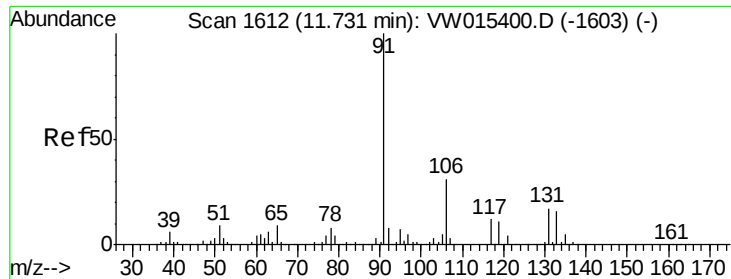
Tot Ion:112 Resp: 128732
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.617 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:131 Resp: 45491
Ion Ratio Lower Upper
131 100
133 93.5 47.9 143.8
119 64.6 33.0 99.0

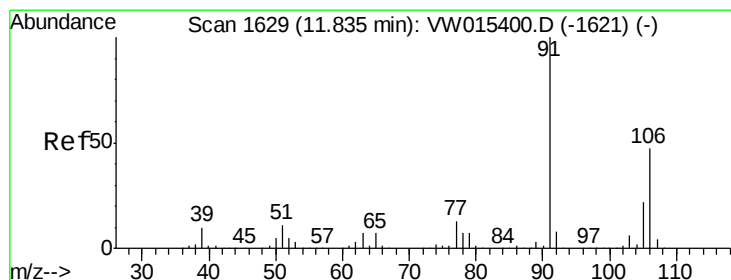
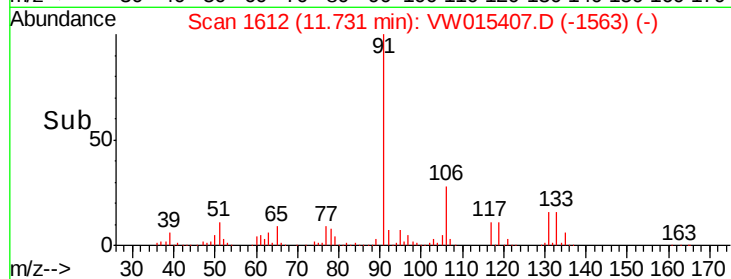
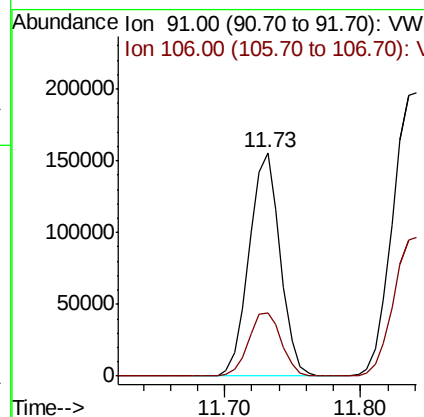
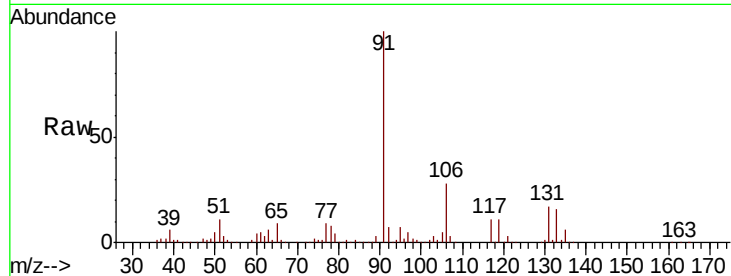




#67
Ethyl Benzene
Concen: 20.810 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

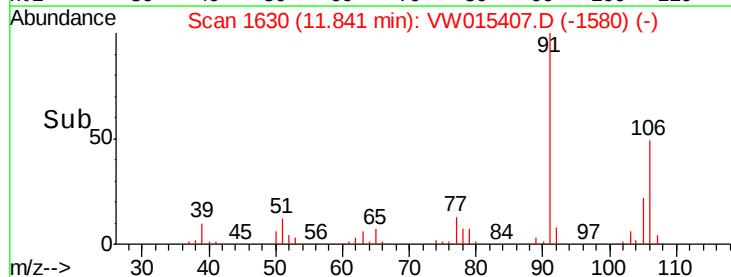
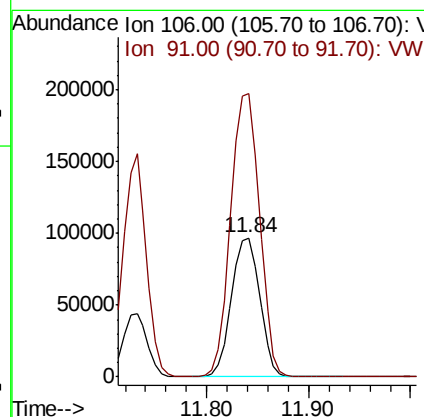
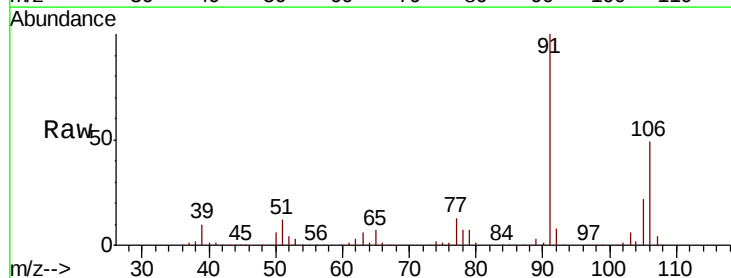
Instrument :
MSVOA_W
ClientSampled :

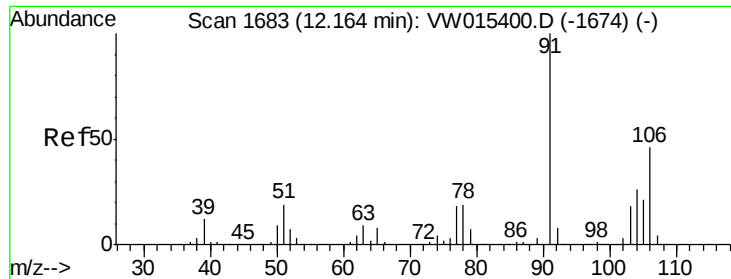
Tot Ion: 91 Resp: 247880
Ion Ratio Lower Upper
91 100
106 28.3 25.2 37.8



#68
m/p-Xylenes
Concen: 42.040 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:106 Resp: 186184
Ion Ratio Lower Upper
106 100
91 207.6 165.7 248.5

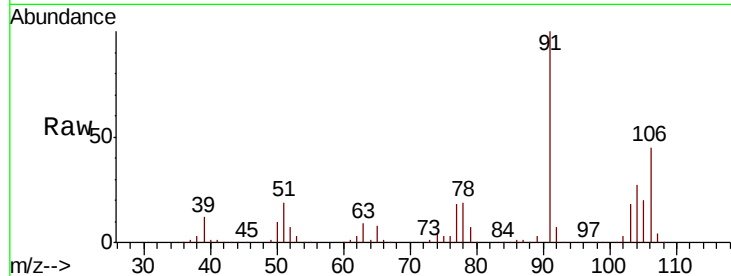




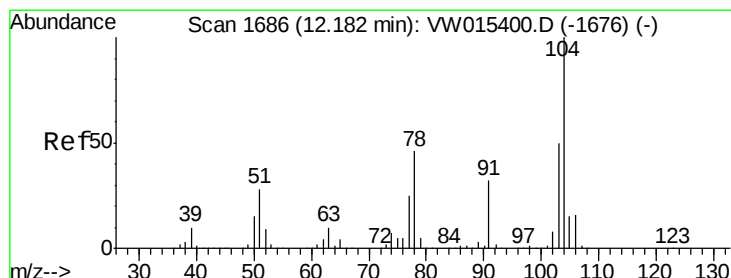
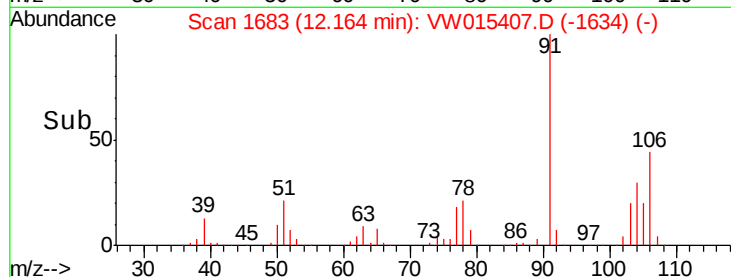
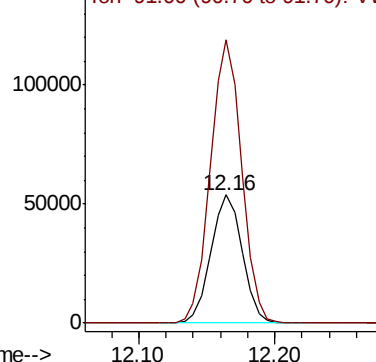
#69
o-Xylene
Concen: 20.898 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 86972
Ion Ratio Lower Upper
106 100
91 219.1 109.0 327.0

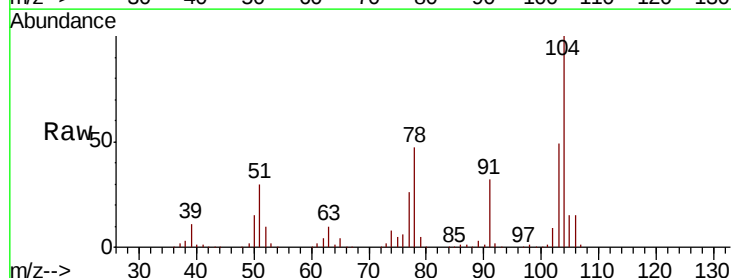


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

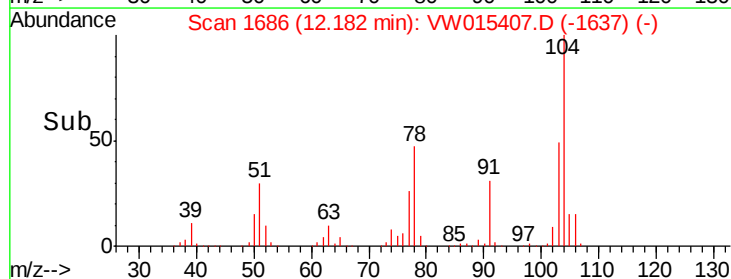
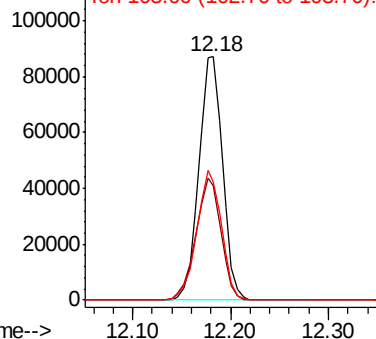


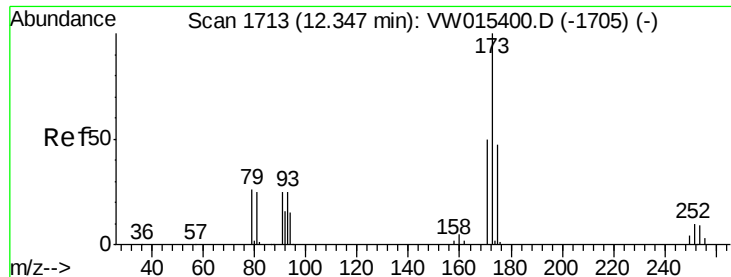
#70
Styrene
Concen: 20.387 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:104 Resp: 146123
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 55.3 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

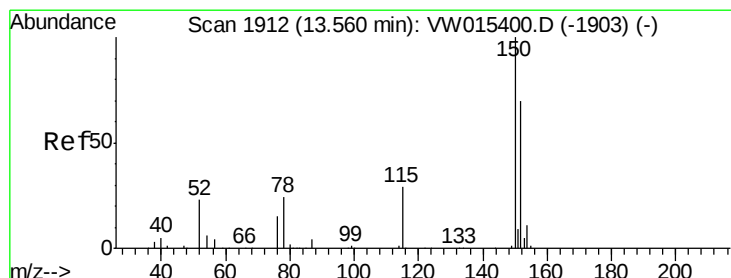
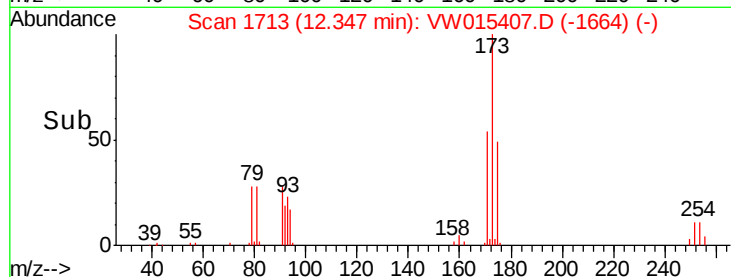
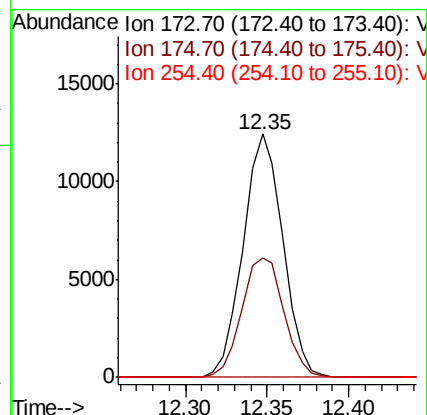
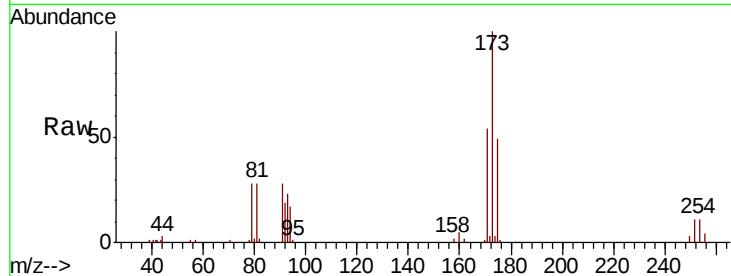




#71
Bromoform
Concen: 19.644 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

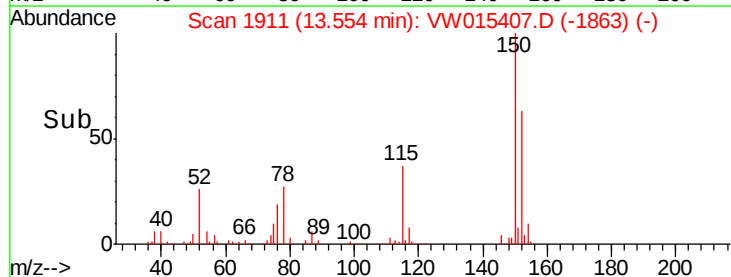
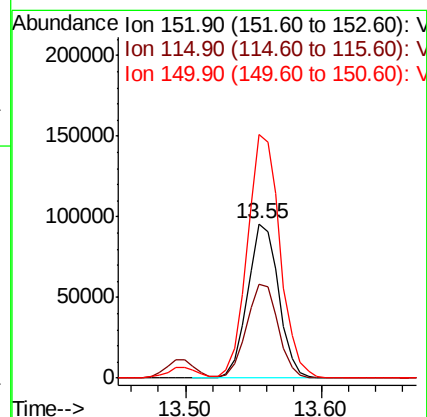
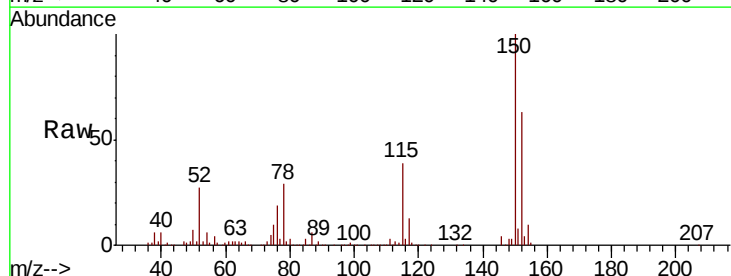
Instrument :
MSVOA_W
ClientSampleId :

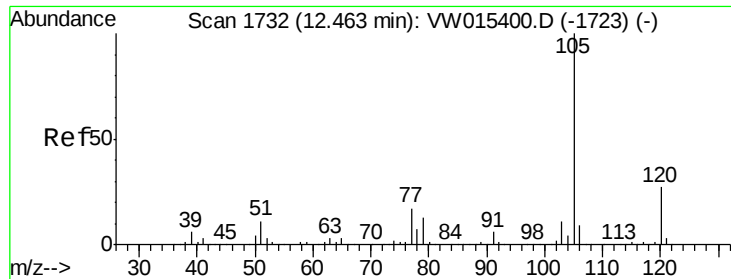
Tot Ion:173 Resp: 21138
Ion Ratio Lower Upper
173 100
175 51.8 23.8 71.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:152 Resp: 152979
Ion Ratio Lower Upper
152 100
115 61.8 30.3 90.8
150 166.2 0.0 344.4





#73

Isopropylbenzene

Concen: 21.454 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

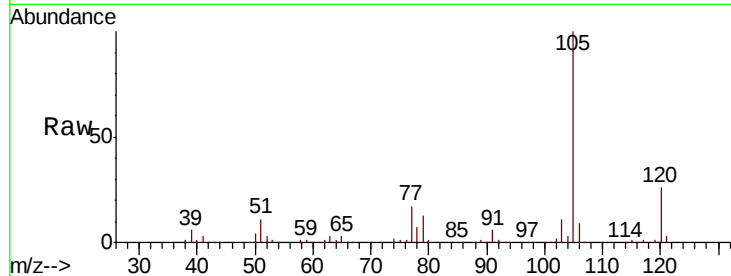
ClientSampleId :

Tot Ion:105 Resp: 245021

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

150000

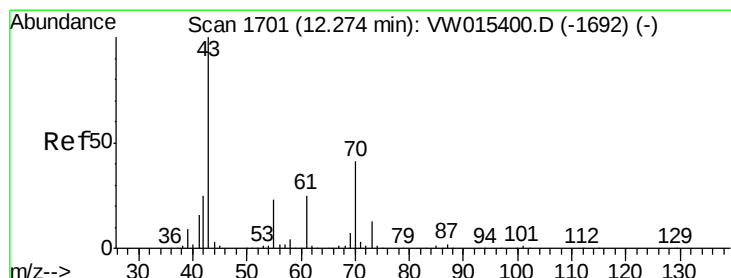
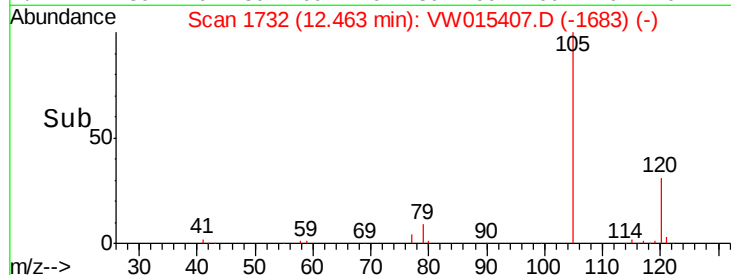
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 19.814 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion: 43 Resp: 53492

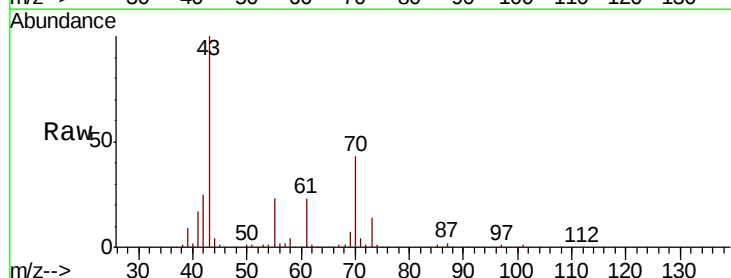
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.7 18.9 28.3

61 23.7 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

30000

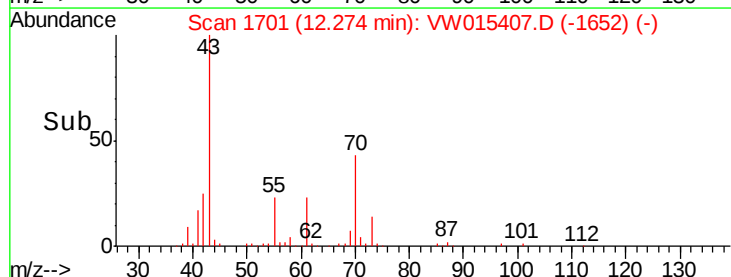
20000

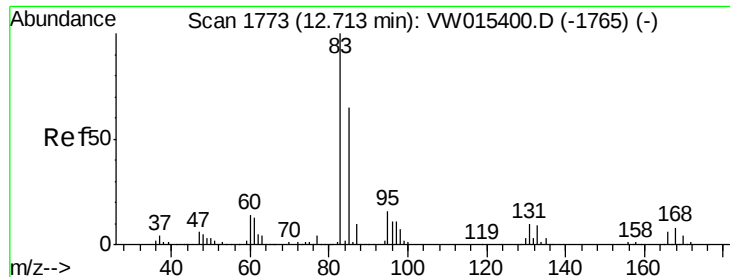
10000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.147 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

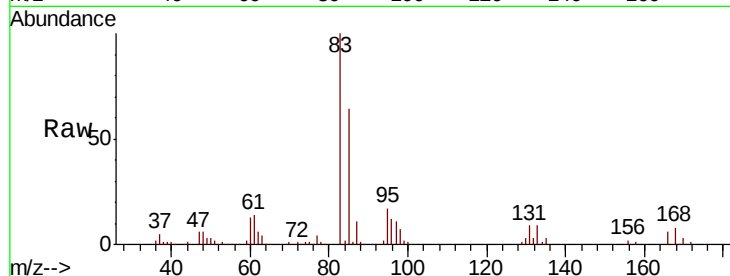
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 83 Resp: 35995

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.2
85	65.1	32.2	96.6

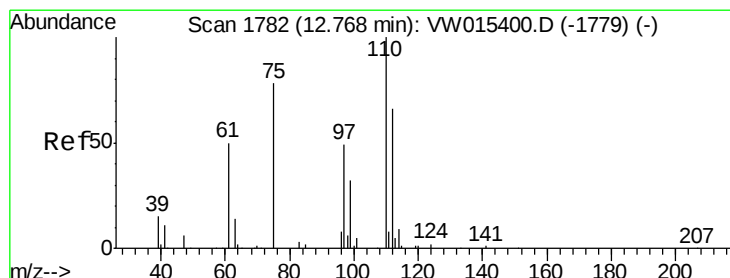
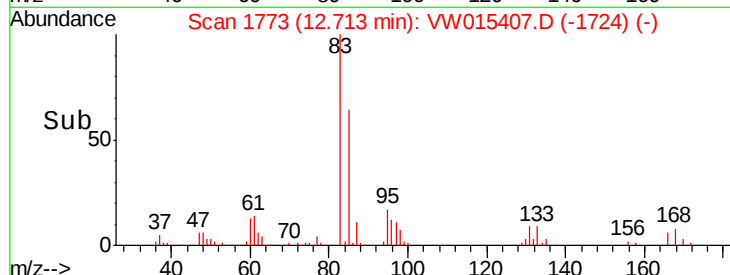
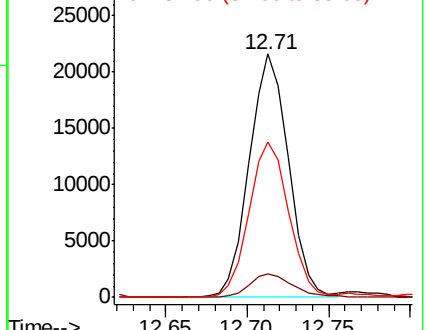


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.186 ug/l

RT: 12.77 min Scan# 1782

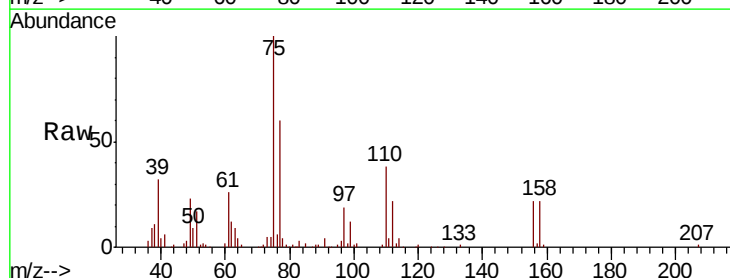
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion: 75 Resp: 50573

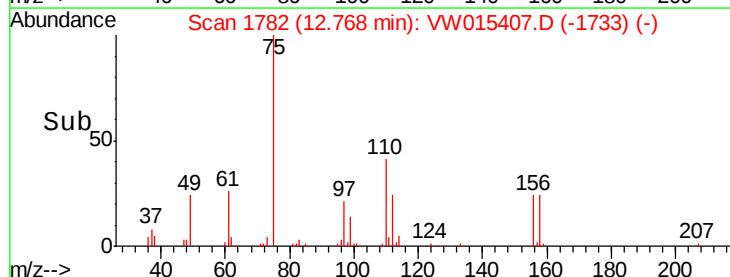
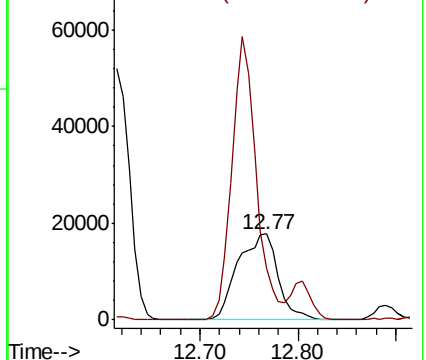
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

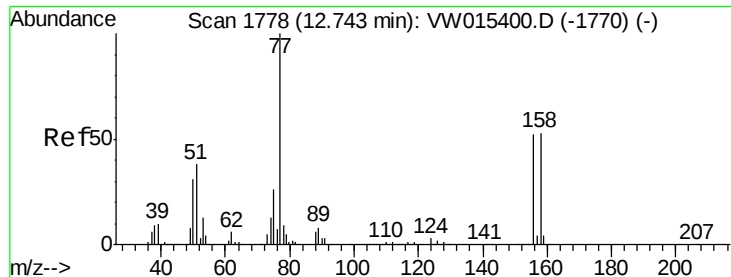


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.075 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

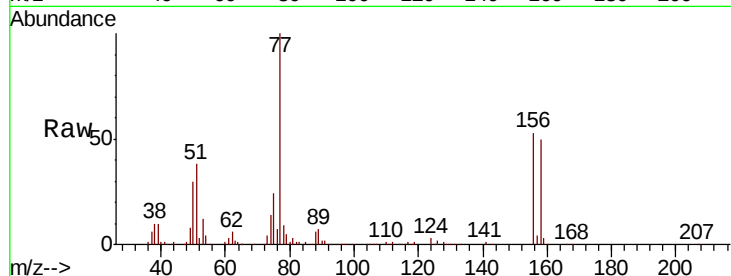
Tot Ion:156 Resp: 51009

Ion Ratio Lower Upper

156 100

77 200.9 101.8 305.6

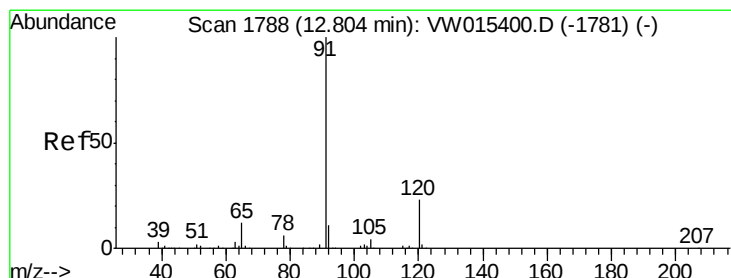
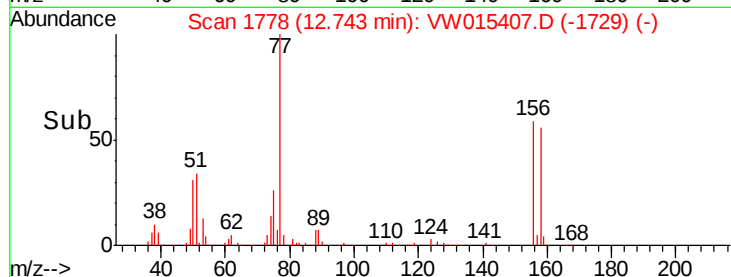
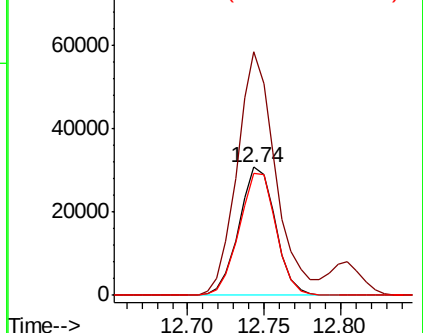
158 96.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.562 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015407.D

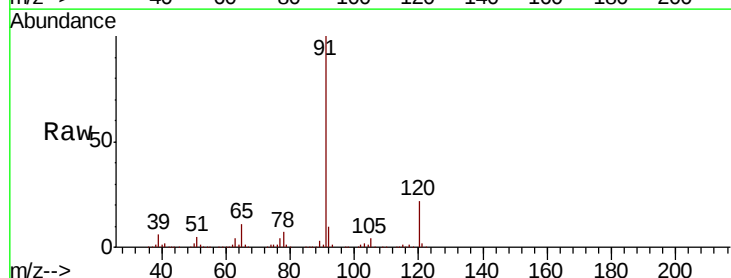
Acq: 06 May 2020 11:36

Tgt Ion: 91 Resp: 295454

Ion Ratio Lower Upper

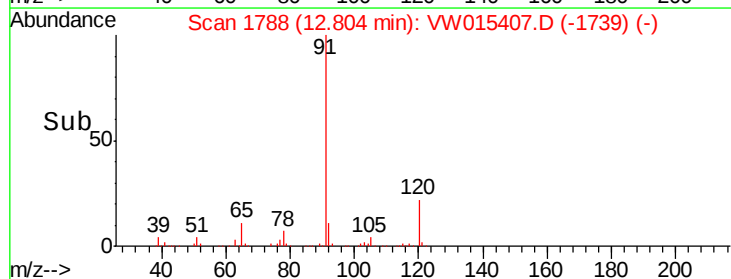
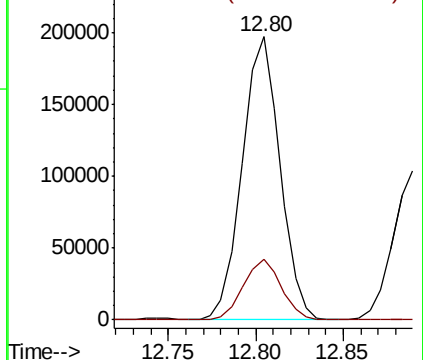
91 100

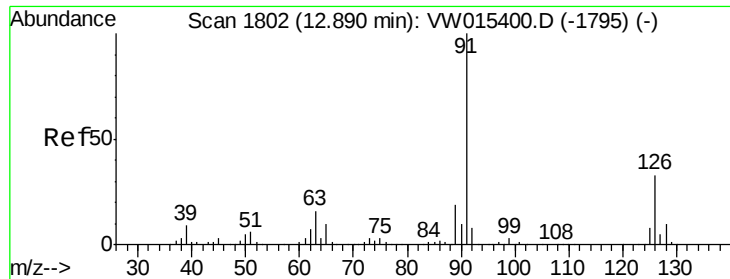
120 21.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.501 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

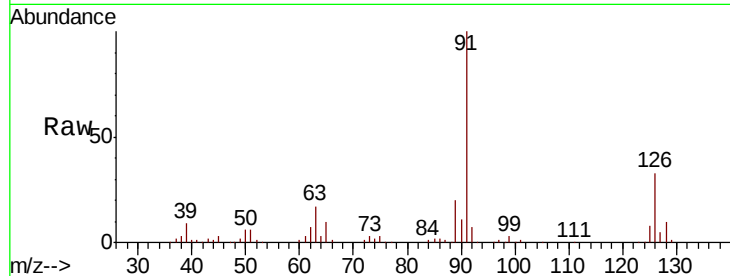
ClientSampleId :

Tot Ion: 91 Resp: 166076

Ion Ratio Lower Upper

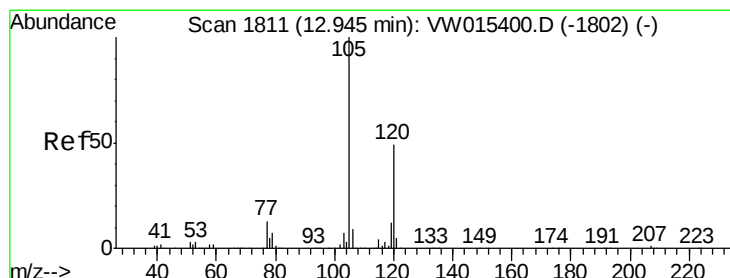
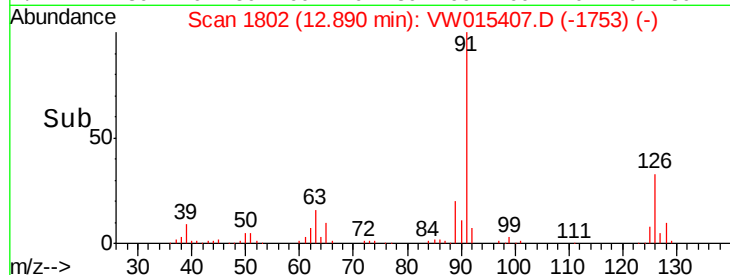
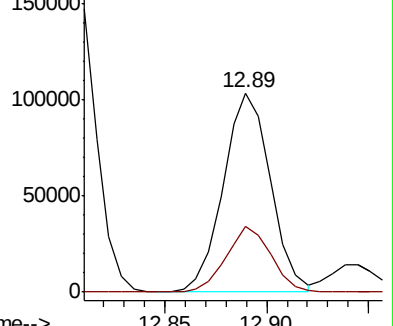
91 100

126 31.8 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.670 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015407.D

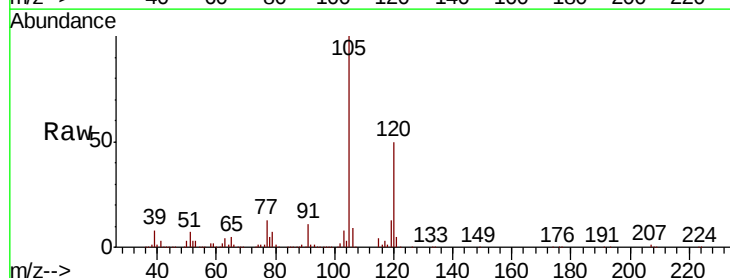
Acq: 06 May 2020 11:36

Tgt Ion:105 Resp: 208468

Ion Ratio Lower Upper

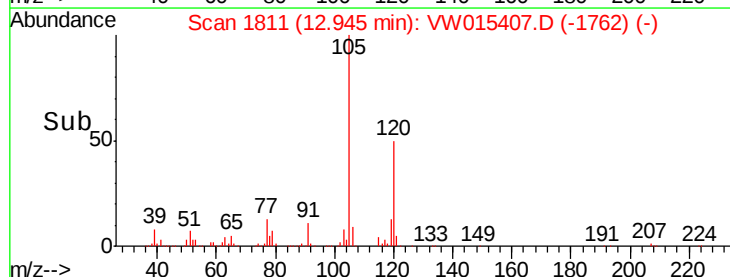
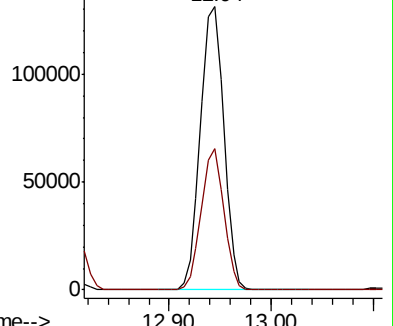
105 100

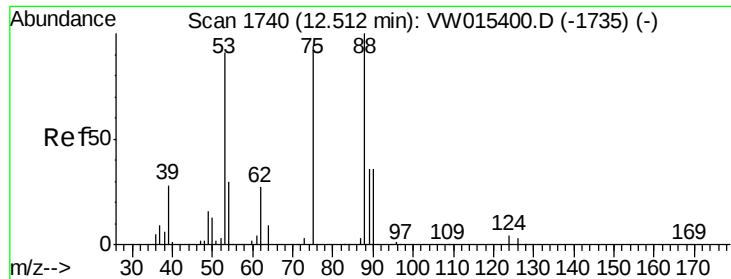
120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.041 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

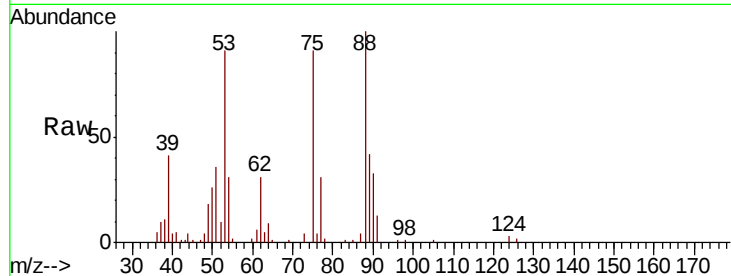
Tot Ion: 75 Resp: 12751

Ion Ratio Lower Upper

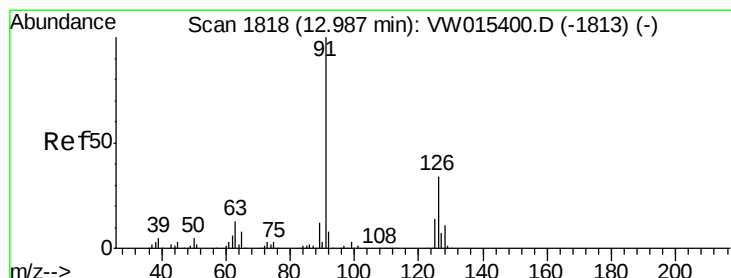
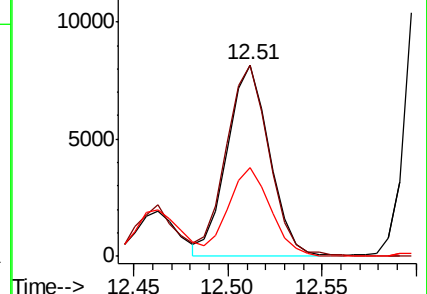
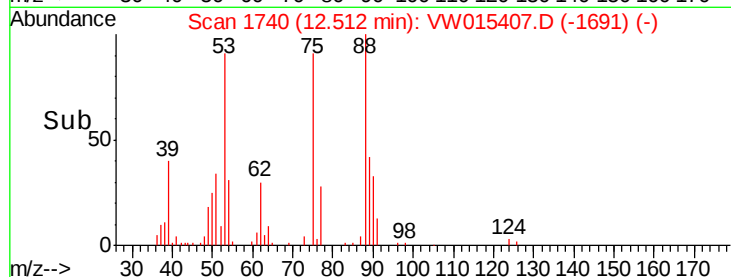
75 100

53 101.6 82.5 123.7

89 45.8 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.439 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015407.D

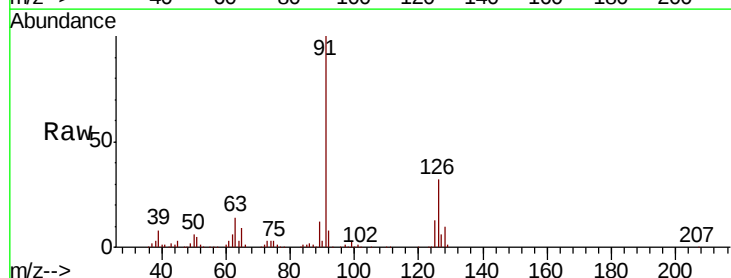
Acq: 06 May 2020 11:36

Tgt Ion: 91 Resp: 175497

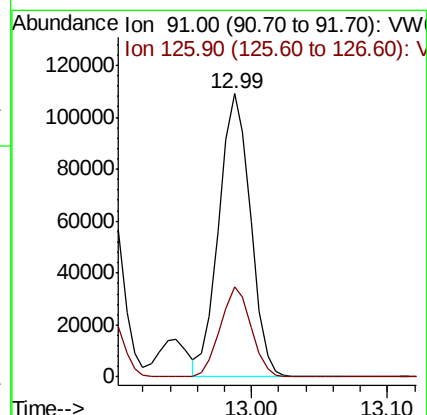
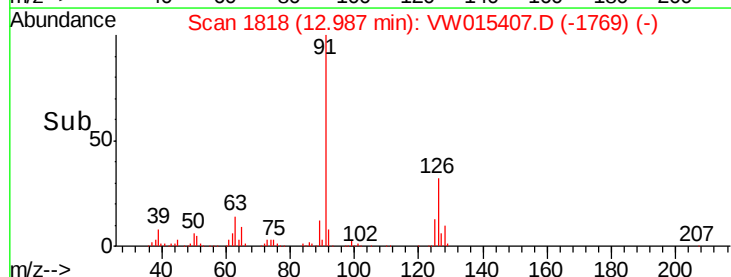
Ion Ratio Lower Upper

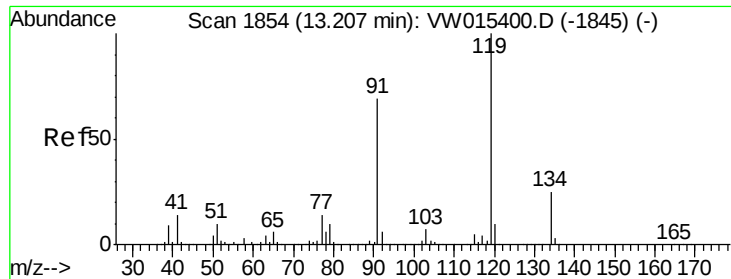
91 100

126 31.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.696 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

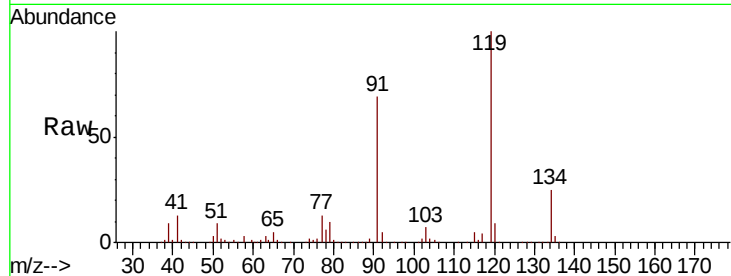
Tot Ion:119 Resp: 178097

Ion Ratio Lower Upper

119 100

91 68.6 33.8 101.4

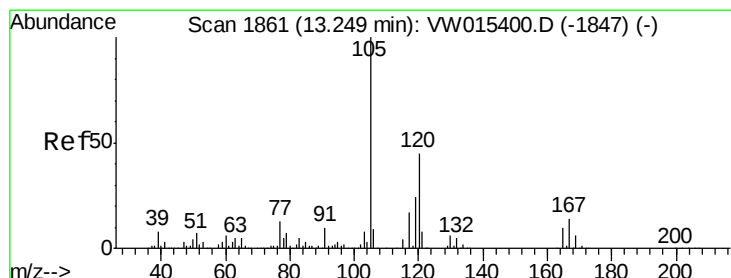
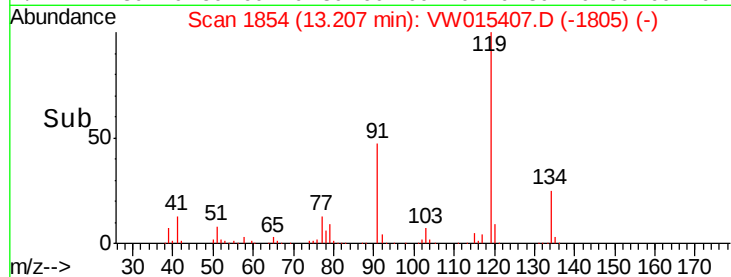
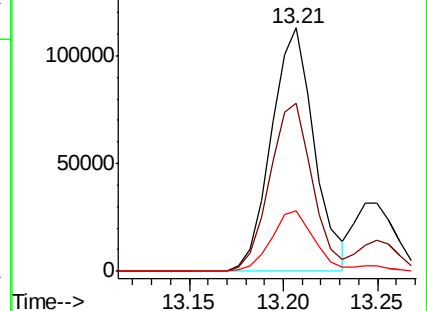
134 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.678 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW015407.D

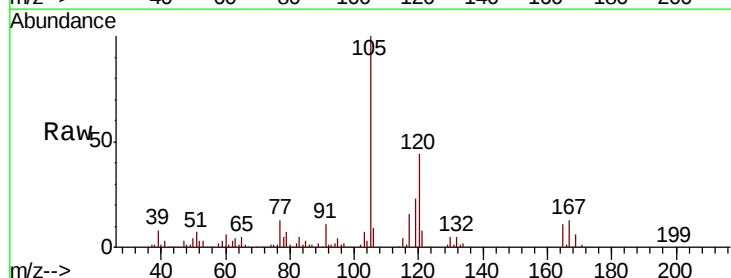
Acq: 06 May 2020 11:36

Tgt Ion:105 Resp: 208624

Ion Ratio Lower Upper

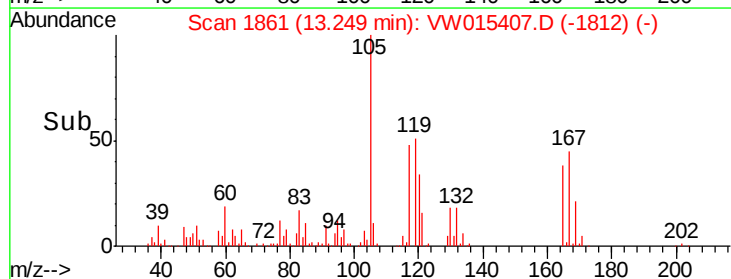
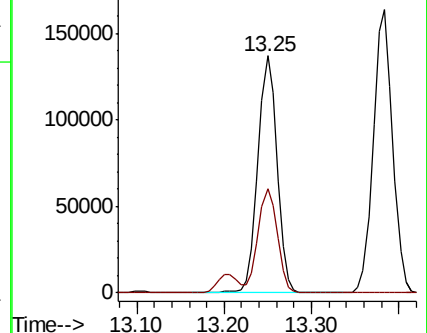
105 100

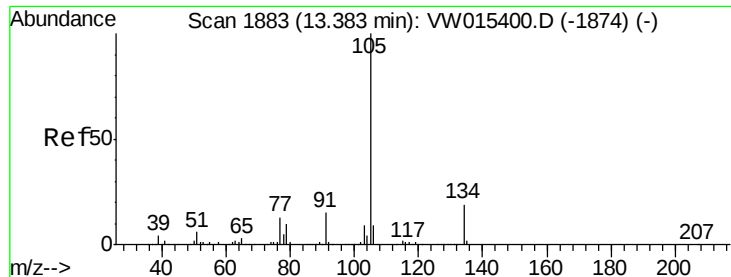
120 43.8 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.804 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

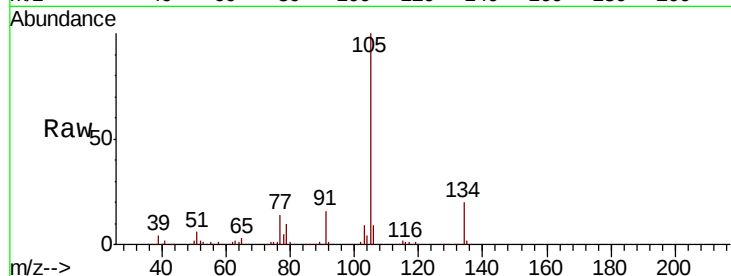
ClientSampleId :

Tot Ion:105 Resp: 252174

Ion Ratio Lower Upper

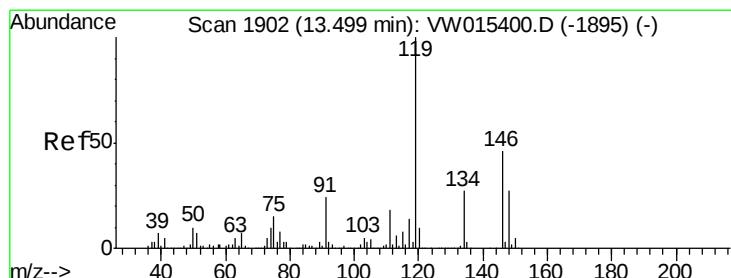
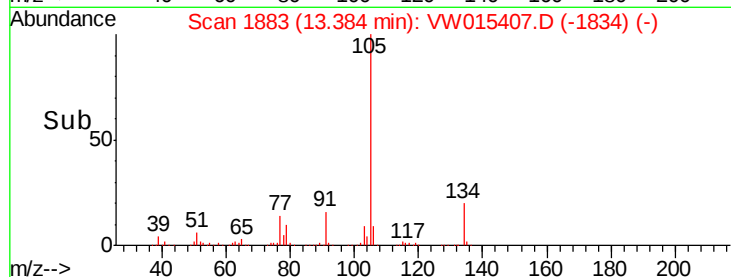
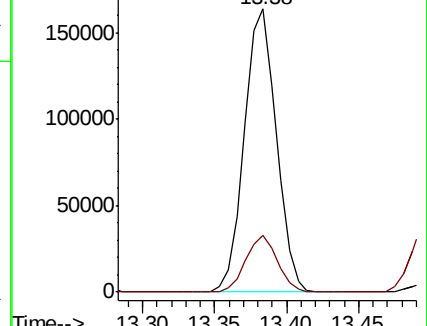
105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.066 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

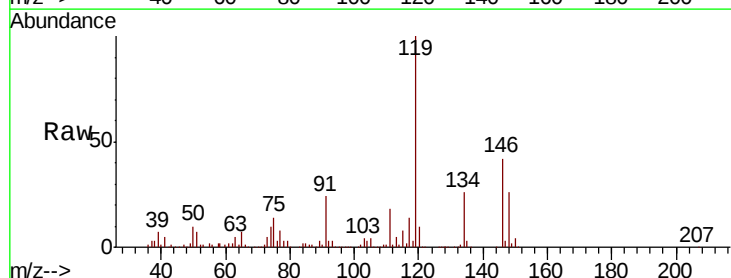
Tgt Ion:119 Resp: 232766

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

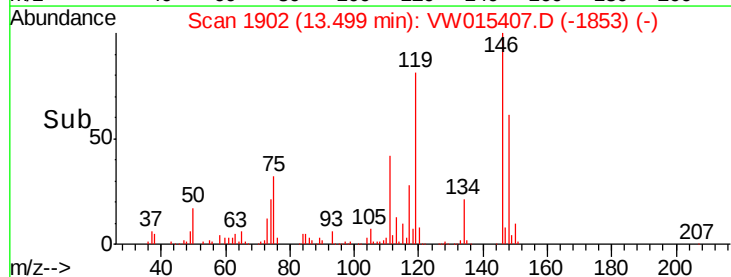
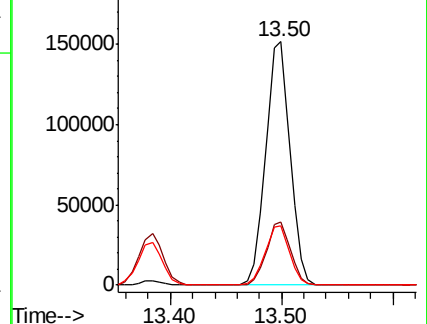
91 24.3 12.1 36.3

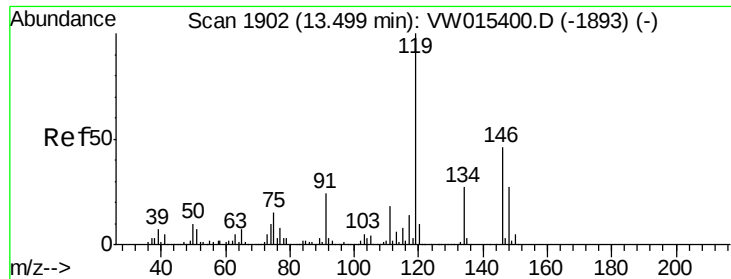


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

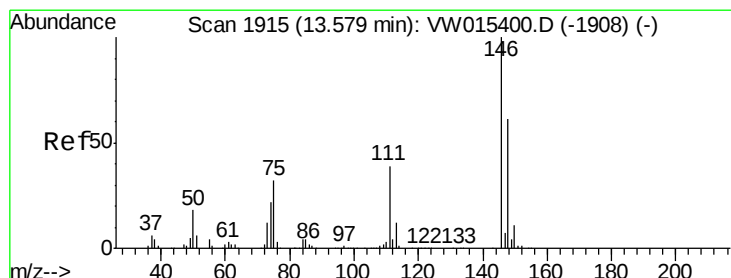
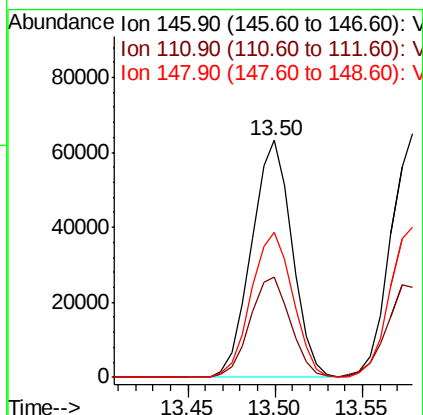
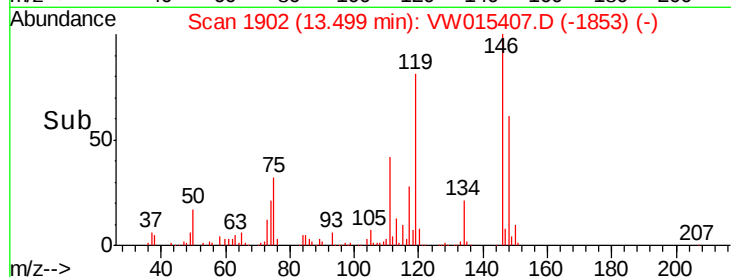
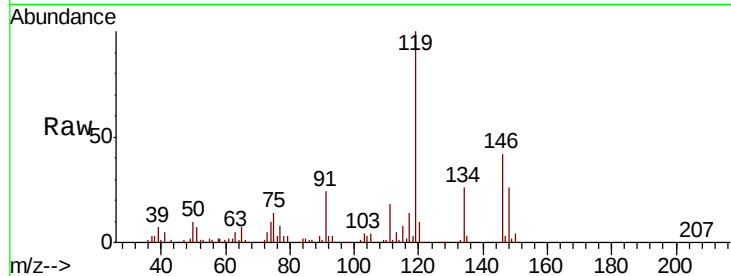




#87
 1,3-Dichlorobenzene
 Concen: 21.112 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

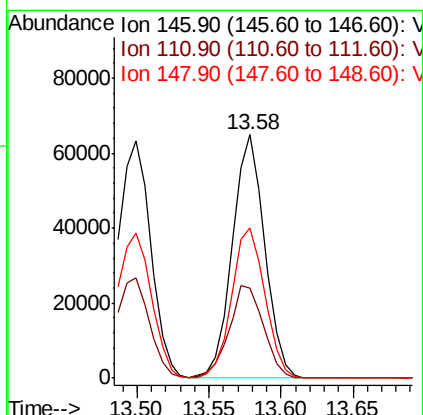
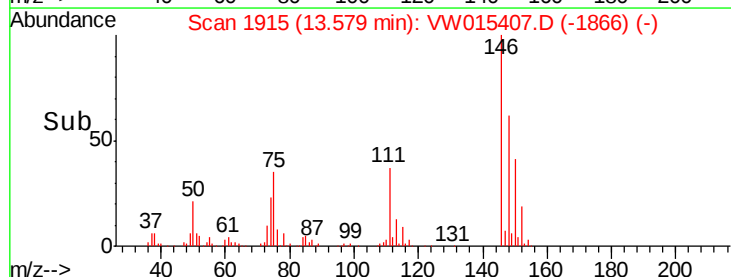
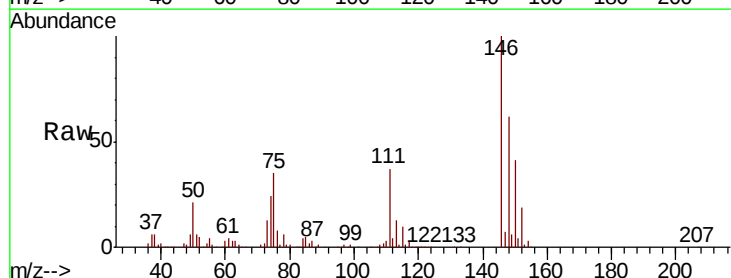
Instrument :
 MSVOA_W
 ClientSampleId :

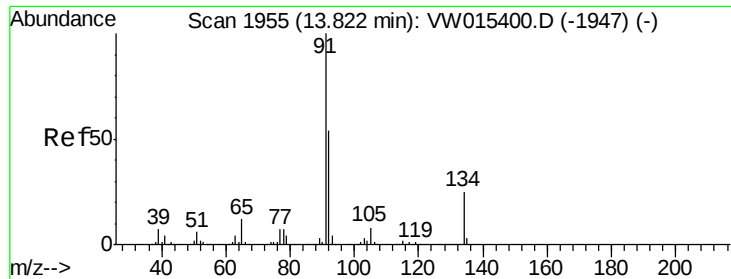
Tot Ion:146 Resp: 101783
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.5 61.5
 148 63.0 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 21.327 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion:146 Resp: 101830
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 60.0
 148 63.6 31.4 94.3





#89

n-Butylbenzene

Concen: 21.878 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

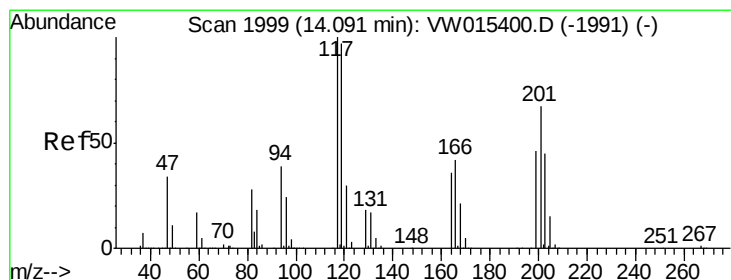
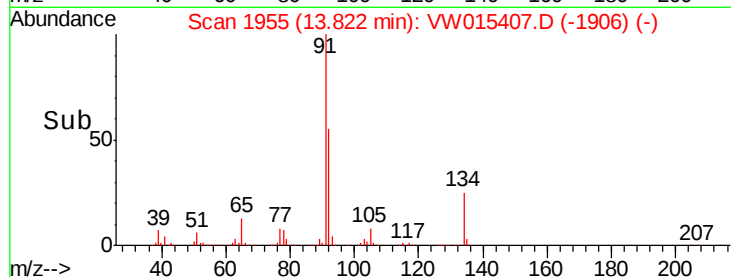
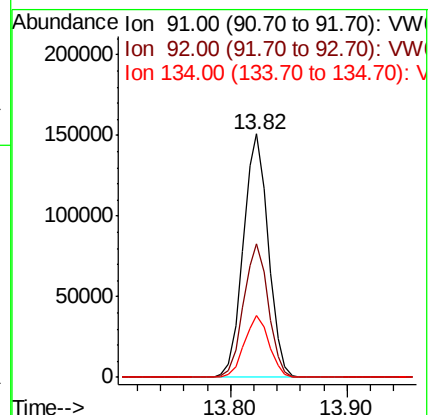
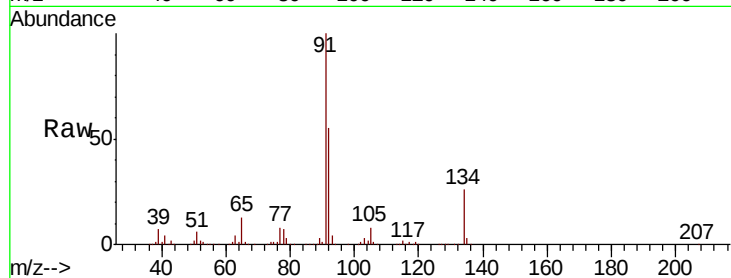
Tot Ion: 91 Resp: 225925

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.6

134 25.1 12.6 37.6



#90

Hexachloroethane

Concen: 21.834 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015407.D

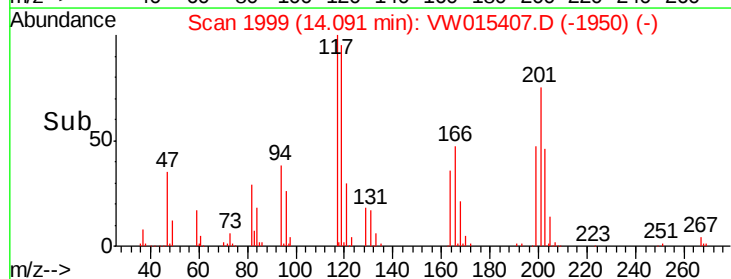
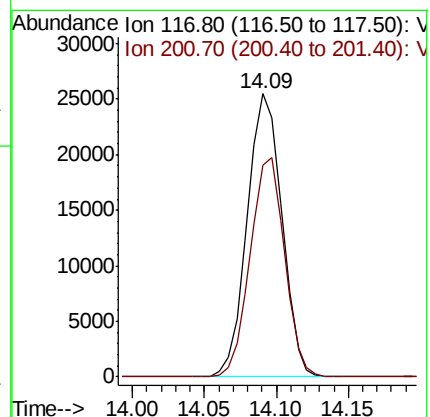
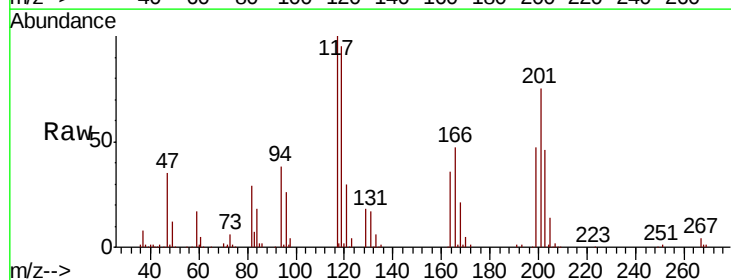
Acq: 06 May 2020 11:36

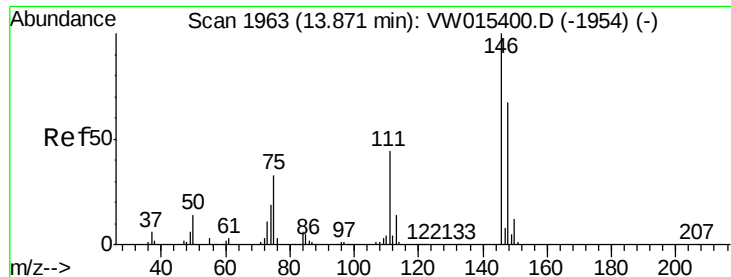
Tgt Ion: 117 Resp: 42442

Ion Ratio Lower Upper

117 100

201 76.6 35.9 107.8





#91

1,2-Dichlorobenzene

Concen: 21.606 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

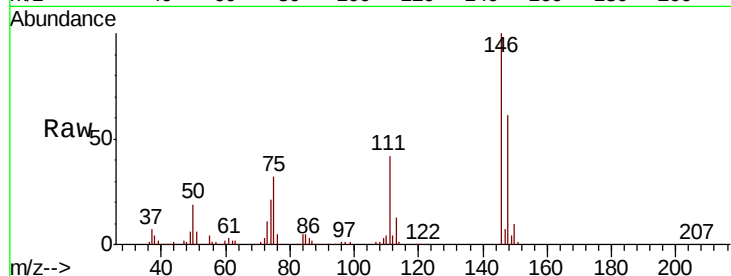
Tot Ion:146 Resp: 90191

Ion Ratio Lower Upper

146 100

111 43.2 22.1 66.3

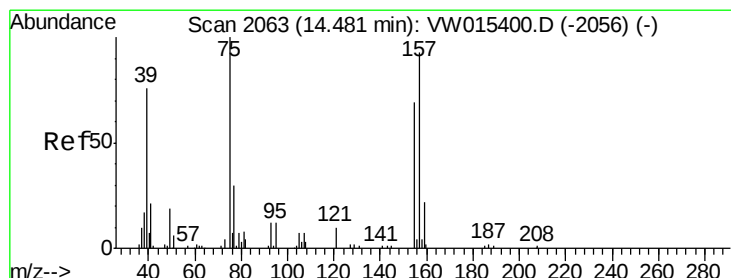
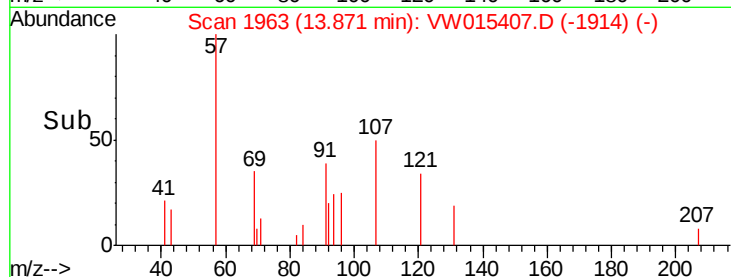
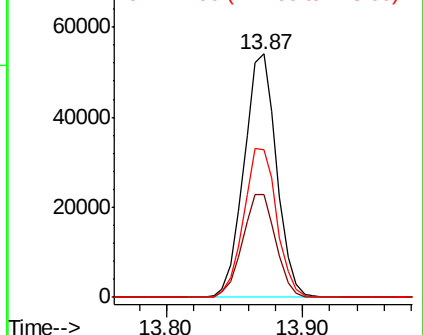
148 62.3 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.015 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

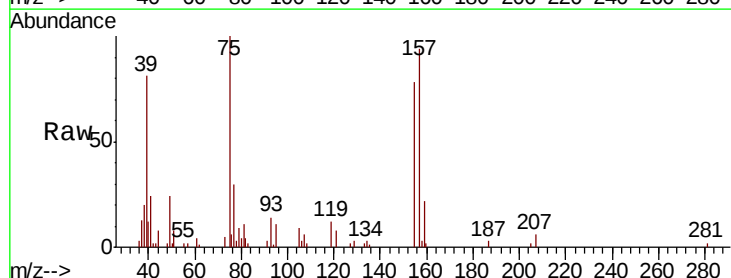
Tgt Ion: 75 Resp: 6243

Ion Ratio Lower Upper

75 100

155 78.0 38.7 116.1

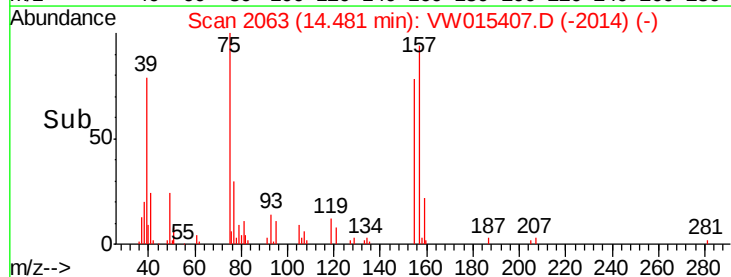
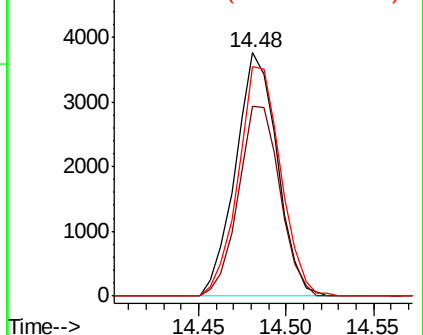
157 96.0 48.1 144.4

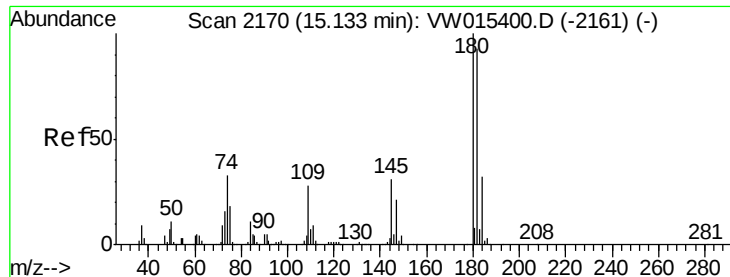


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

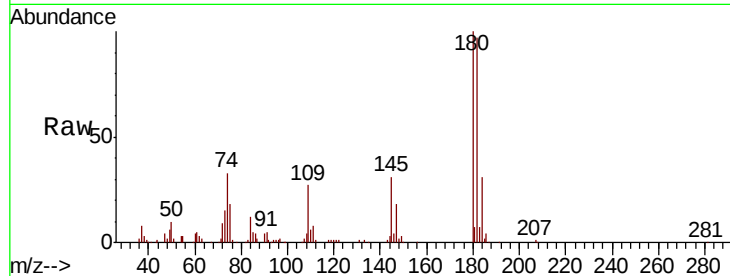




#93
 1,2,4-Trichlorobenzene
 Concen: 22.054 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	30.2	15.6	46.8

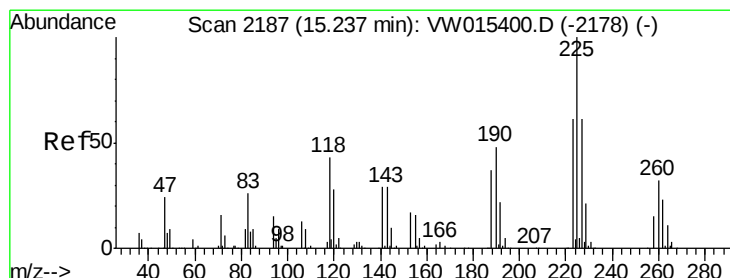
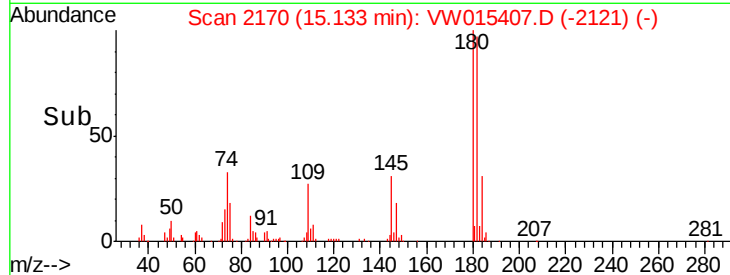
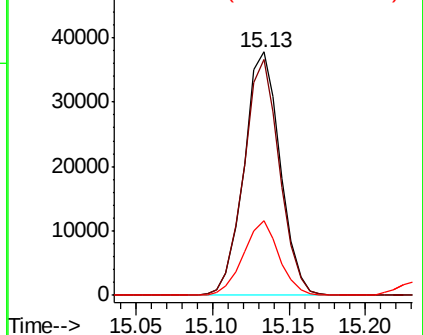


Abundance

Ion 179.80 (179.50 to 180.50): V

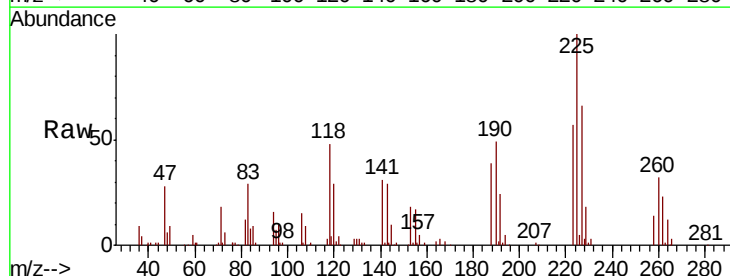
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.204 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.7	92.1
227	63.0	32.0	96.0

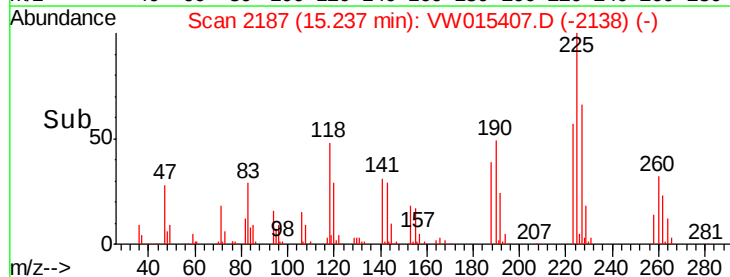
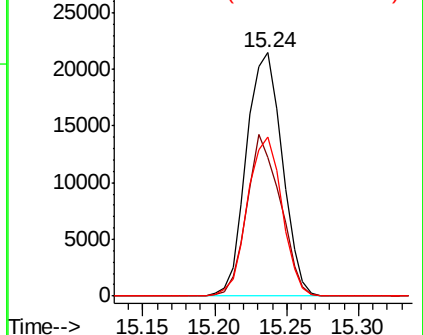


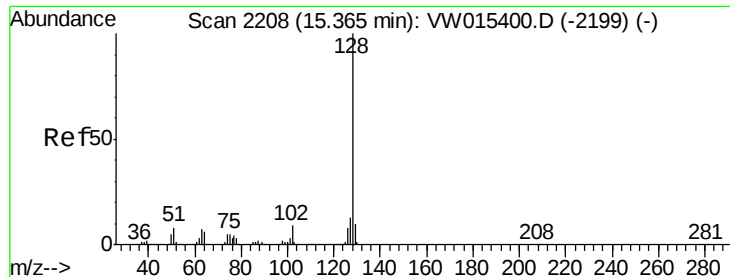
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

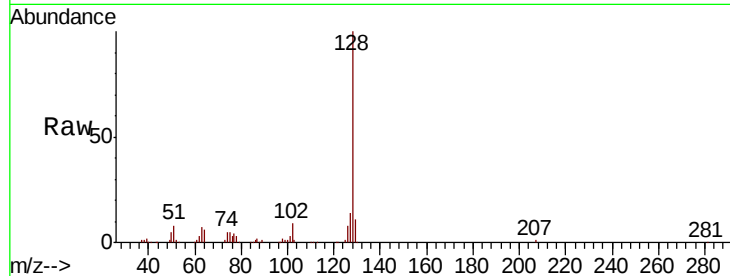




#95
Naphthalene
Concen: 20.690 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.9	8.6	12.8

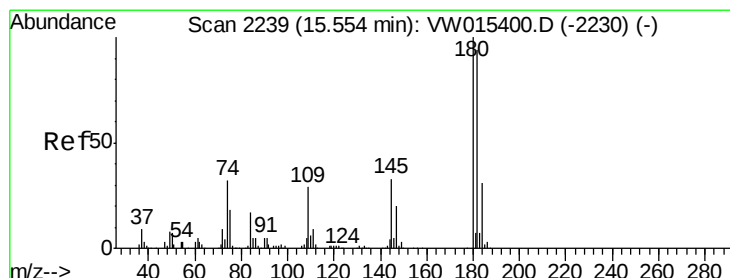
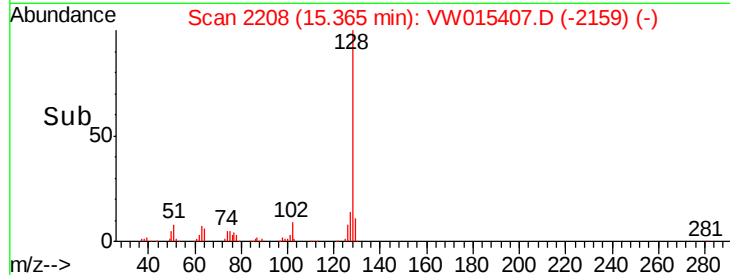
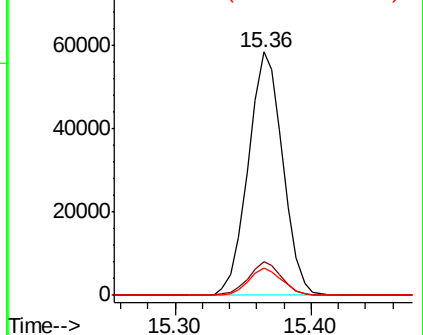


Abundance

Ion 128.00 (127.70 to 128.70): V

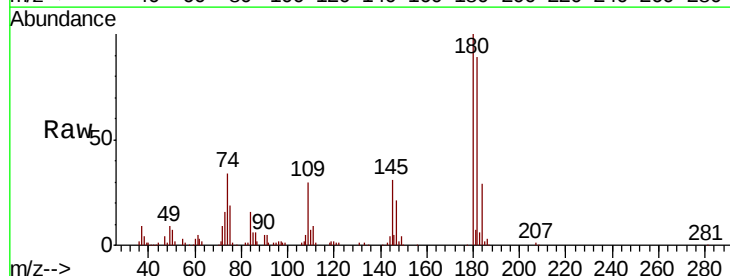
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.253 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.6	142.8
145	33.1	16.3	48.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

