

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015399.D
 Acq On : 05 May 2020 17:04
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 05 18:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	45805	24.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.56%	
35) Dibromofluoromethane	7.88	113	40707	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
50) Toluene-d8	10.32	98	168882	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	12.62	95	61723	19.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23998	14.797	ug/l	95
3) Chloromethane	2.21	50	29038	16.311	ug/l	93
4) Vinyl Chloride	2.37	62	47042	21.315	ug/l	98
5) Bromomethane	2.78	94	37842	24.066	ug/l	94
6) Chloroethane	2.92	64	32643	23.445	ug/l	100
7) Trichlorofluoromethane	3.26	101	34067	11.818	ug/l	99
8) Diethyl Ether	3.68	74	22134	24.695	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39200	20.314	ug/l	98
10) Methyl Iodide	4.26	142	60263	28.262	ug/l	99
11) Tert butyl alcohol	5.20	59	13674	94.635	ug/l	95
12) 1,1-Dichloroethene	4.04	96	40669	21.618	ug/l	97
13) Acrolein	3.89	56	18000	194.619	ug/l	95
14) Allyl chloride	4.67	41	71650	27.277	ug/l	99
15) Acrylonitrile	5.37	53	42728	122.237	ug/l	98
16) Acetone	4.13	43	34681	109.850	ug/l	96
17) Carbon Disulfide	4.38	76	126129	22.540	ug/l	99
18) Methyl Acetate	4.67	43	19075	22.663	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	66350	16.303	ug/l	98
20) Methylene Chloride	4.91	84	46007	22.466	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	45664	21.450	ug/l	99
22) Diisopropyl ether	6.31	45	141307	27.883	ug/l	96
23) Vinyl Acetate	6.26	43	427406	142.415	ug/l	99
24) 1,1-Dichloroethane	6.21	63	83891	24.617	ug/l	99
25) 2-Butanone	7.18	43	55437	127.475	ug/l	99
26) 2,2-Dichloropropane	7.16	77	56396	16.970	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50458	21.912	ug/l	99
28) Bromochloromethane	7.51	49	34114	27.152	ug/l	100
29) Tetrahydrofuran	7.53	42	36939	134.321	ug/l	99
30) Chloroform	7.68	83	83880	23.191	ug/l	96
31) Cyclohexane	7.95	56	83433	24.297	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71372	20.834	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69521	20.877	ug/l	99
37) Ethyl Acetate	7.25	43	26667	23.713	ug/l	98
38) Carbon Tetrachloride	8.07	117	65114	18.298	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89235	20.306	ug/l	97
40) Benzene	8.32	78	193040	21.720	ug/l	99
41) Methacrylonitrile	7.48	41	16573	24.457	ug/l	96
42) 1,2-Dichloroethane	8.40	62	59619	22.556	ug/l	99
43) Isopropyl Acetate	8.43	43	57395	24.558	ug/l	99
44) Trichloroethene	9.09	130	50344	18.977	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47649	22.764	ug/l	96
46) Dibromomethane	9.46	93	23723	20.060	ug/l	96
47) Bromodichloromethane	9.65	83	64152	20.216	ug/l	94
48) Methyl methacrylate	9.43	41	26192	23.821	ug/l	99
49) 1,4-Dioxane	9.46	88	5810	372.214	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	134647	122.255	ug/l	100
52) Toluene	10.38	92	125536	20.404	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65292	20.790	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	76944	21.017	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33015	19.931	ug/l	99
56) Ethyl methacrylate	10.65	69	45224	20.938	ug/l	98
57) 1,3-Dichloropropane	10.93	76	60347	21.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	113548	112.972	ug/l	99
59) 2-Hexanone	10.97	43	90624	116.498	ug/l	99
60) Dibromochloromethane	11.13	129	40152	18.626	ug/l	100
61) 1,2-Dibromoethane	11.23	107	31733	19.711	ug/l	100
64) Tetrachloroethene	10.86	164	40149	17.155	ug/l	93
65) Chlorobenzene	11.66	112	128387	19.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45169	19.170	ug/l	98
67) Ethyl Benzene	11.73	91	246629	20.060	ug/l	97
68) m/p-Xylenes	11.84	106	182536	38.275	ug/l	99
69) o-Xylene	12.16	106	84575	18.932	ug/l	98
70) Styrene	12.18	104	146053	19.150	ug/l	99
71) Bromoform	12.35	173	21486	16.440	ug/l #	97
73) Isopropylbenzene	12.46	105	239714	20.302	ug/l	98
74) N-amyl acetate	12.27	43	56352	25.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37347	21.794	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	51208	37.943	ug/l #	100
77) Bromobenzene	12.74	156	50658	19.035	ug/l	98
78) n-propylbenzene	12.80	91	288769	20.921	ug/l	99
79) 2-Chlorotoluene	12.89	91	161379	20.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201735	19.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12846	21.025	ug/l	96
82) 4-Chlorotoluene	12.99	91	171348	20.774	ug/l	99
83) tert-Butylbenzene	13.21	119	173331	19.631	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199852	19.950	ug/l	97
85) sec-Butylbenzene	13.38	105	242631	19.826	ug/l	100
86) p-Isopropyltoluene	13.50	119	221131	19.553	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102574	19.281	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100805	19.322	ug/l	97
89) n-Butylbenzene	13.82	91	219763	20.953	ug/l	99
90) Hexachloroethane	14.09	117	40611	19.542	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	88904	19.337	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6617	21.629	ug/l	96

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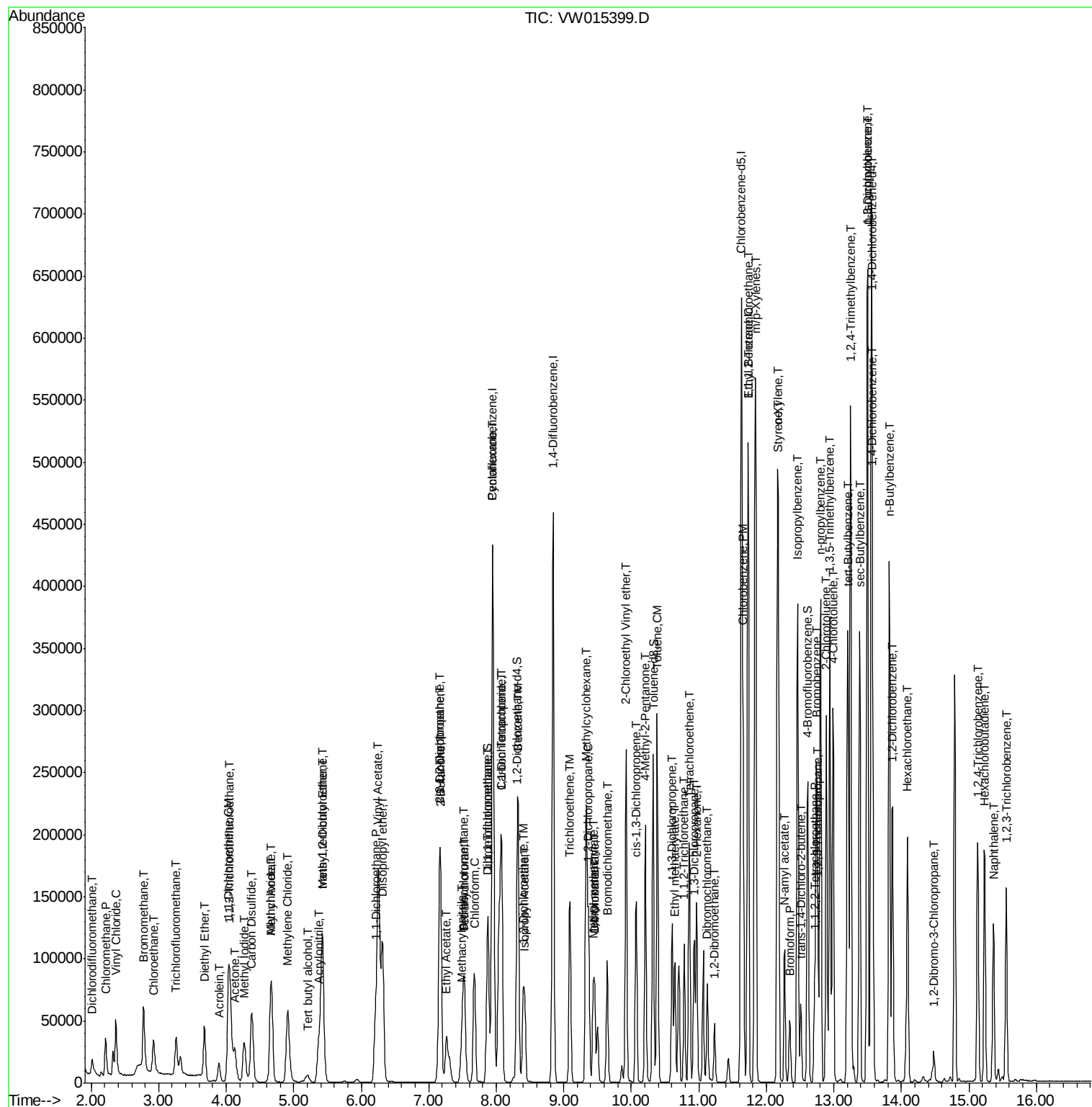
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59756	18.794	ug/l	99
94) Hexachlorobutadiene	15.24	225	34095	16.251	ug/l	96
95) Naphthalene	15.36	128	104377	20.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50413	19.362	ug/l	100

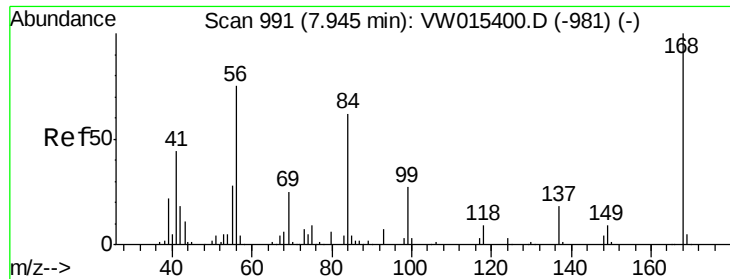
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050620\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

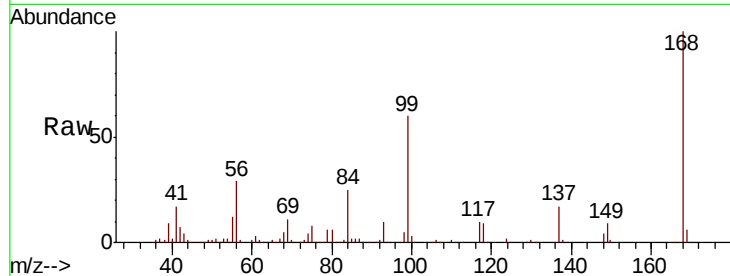
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 213448

Ion Ratio Lower Upper

168 100

99 59.6 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

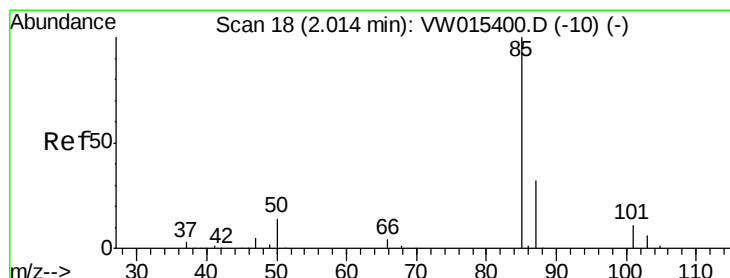
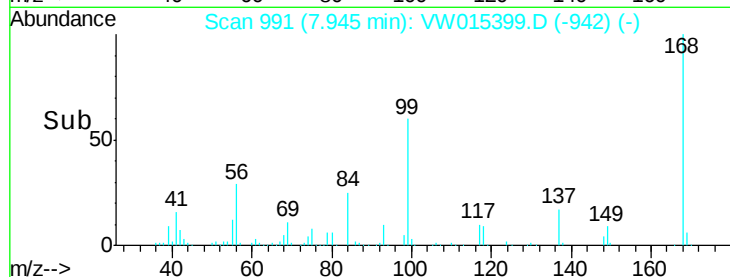
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 14.797 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015399.D

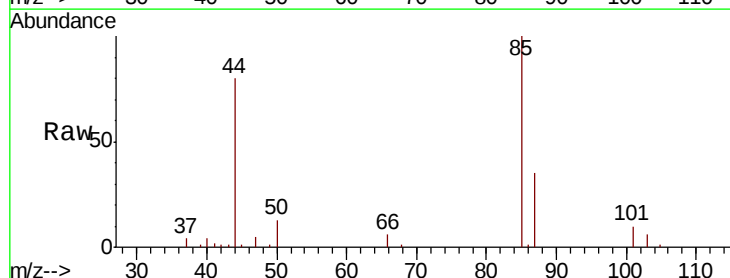
Acq: 05 May 2020 17:04

Tgt Ion: 85 Resp: 23998

Ion Ratio Lower Upper

85 100

87 35.2 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

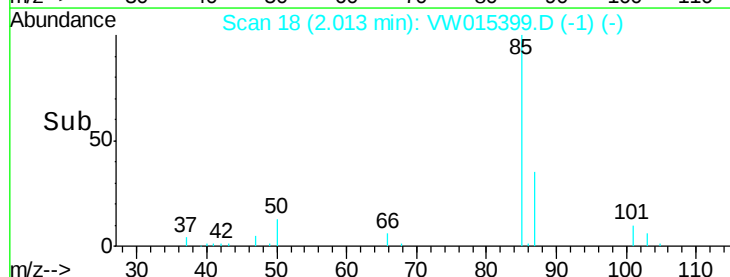
6000

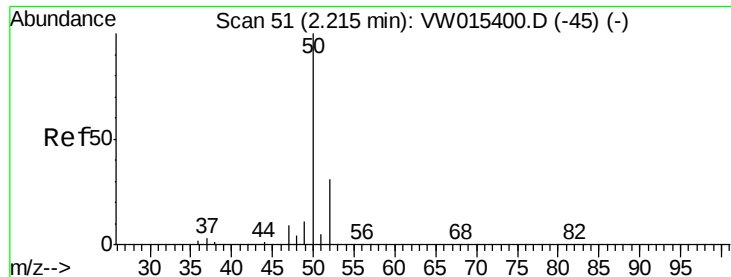
4000

2000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 16.311 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

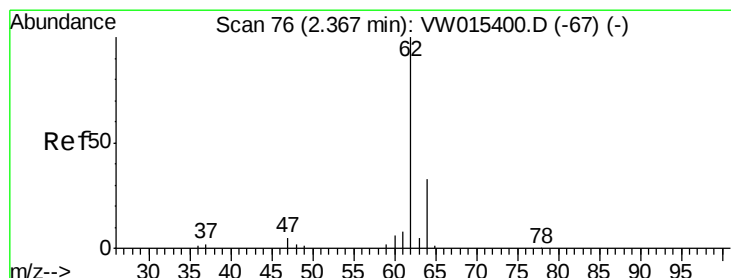
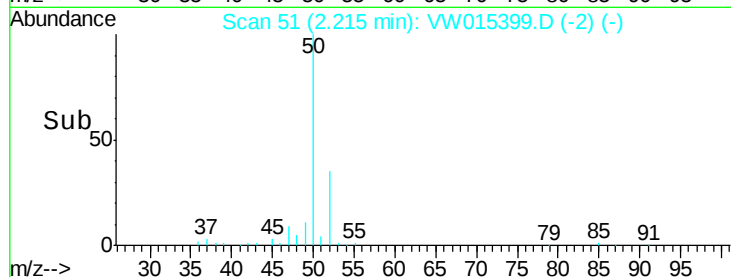
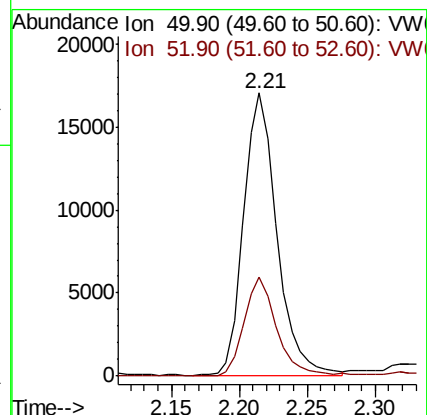
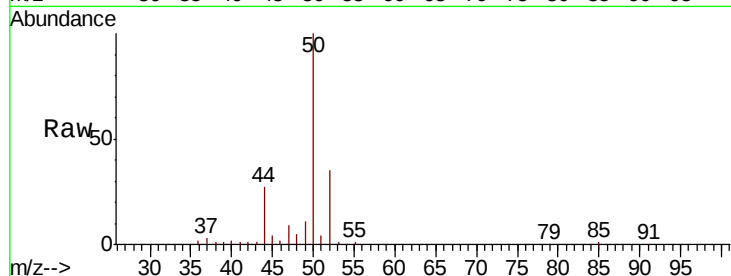
ClientSampleId :

Tot Ion: 50 Resp: 29038

Ion Ratio Lower Upper

50 100

52 35.1 25.0 37.6



#4

Vinyl Chloride

Concen: 21.315 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015399.D

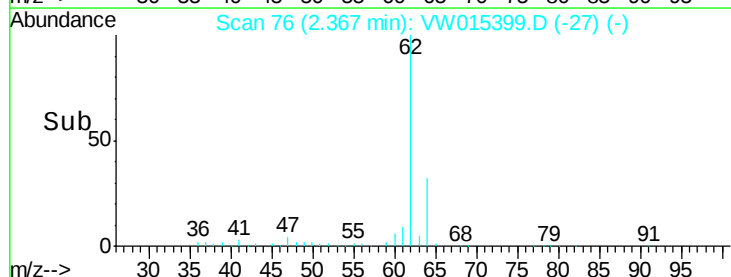
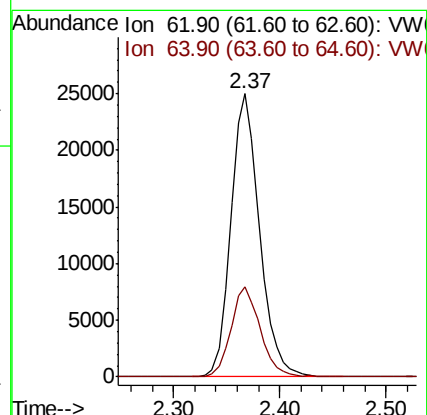
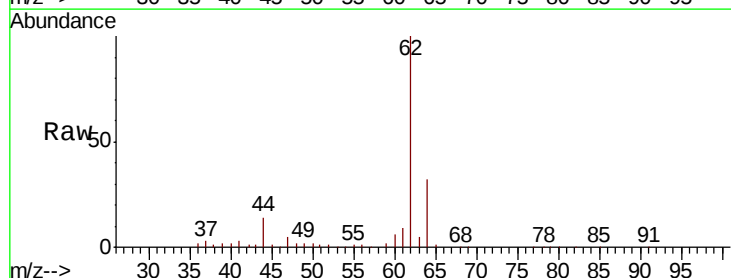
Acq: 05 May 2020 17:04

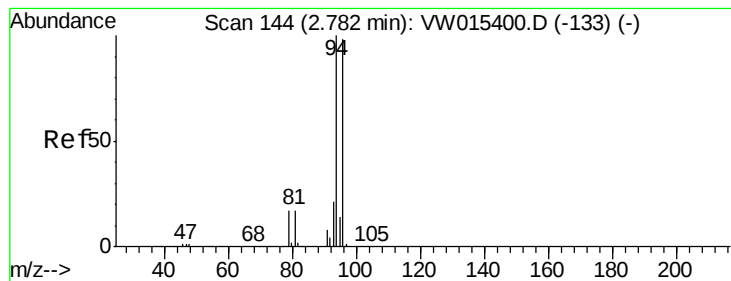
Tgt Ion: 62 Resp: 47042

Ion Ratio Lower Upper

62 100

64 31.9 26.4 39.6





#5

Bromomethane

Concen: 24.066 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

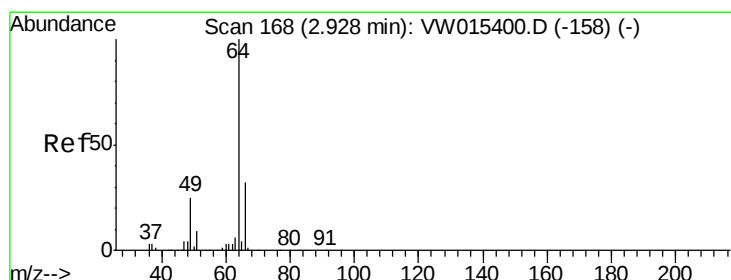
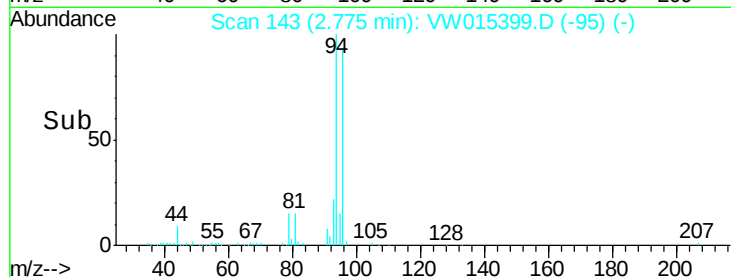
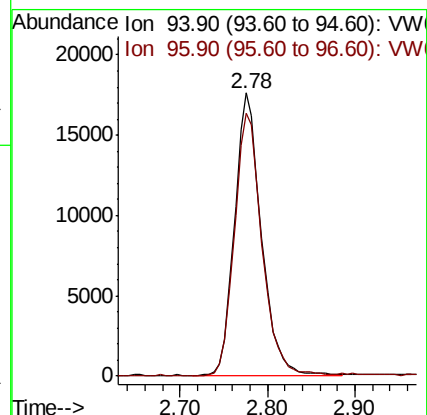
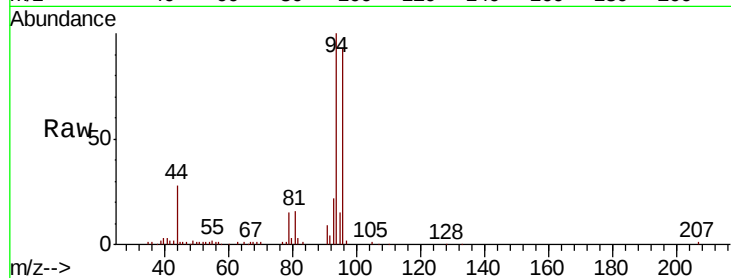
ClientSampleId :

Tot Ion: 94 Resp: 37842

Ion Ratio Lower Upper

94 100

96 92.7 78.8 118.2



#6

Chloroethane

Concen: 23.445 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015399.D

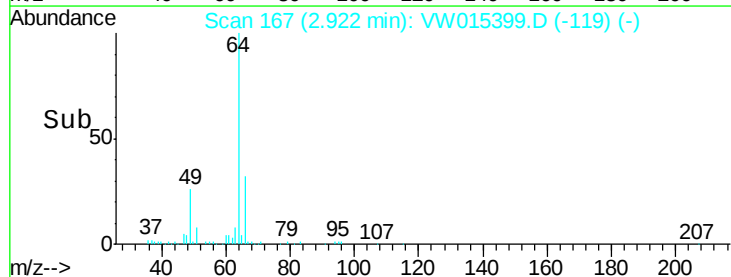
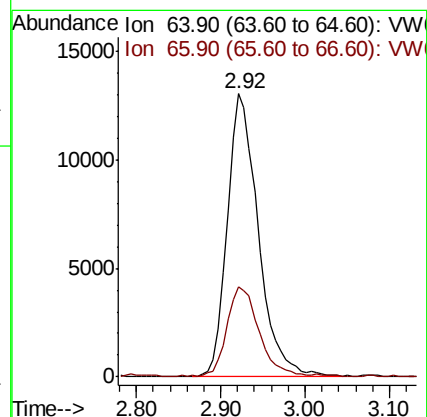
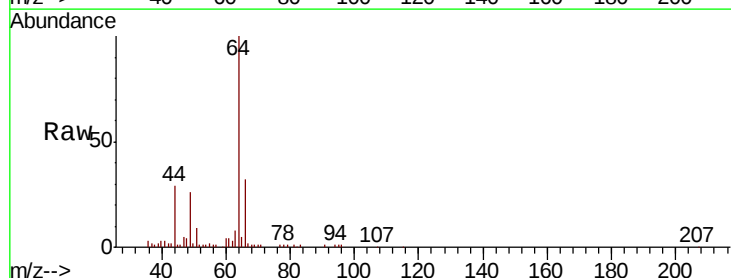
Acq: 05 May 2020 17:04

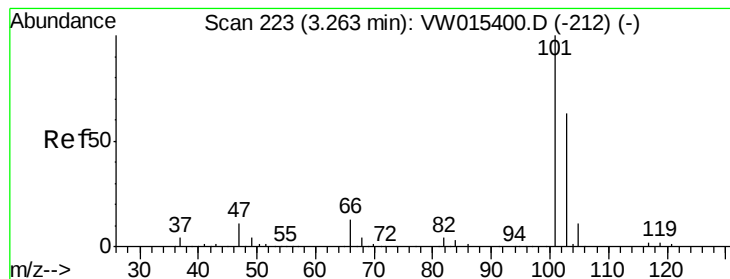
Tgt Ion: 64 Resp: 32643

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



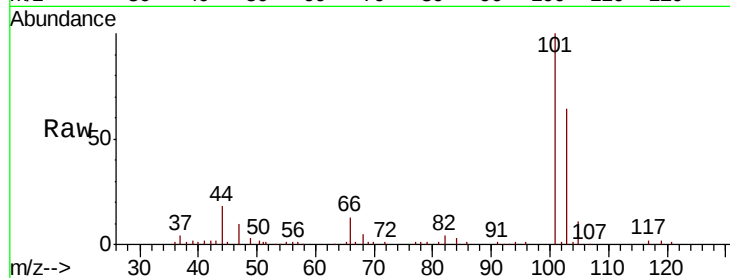


#7

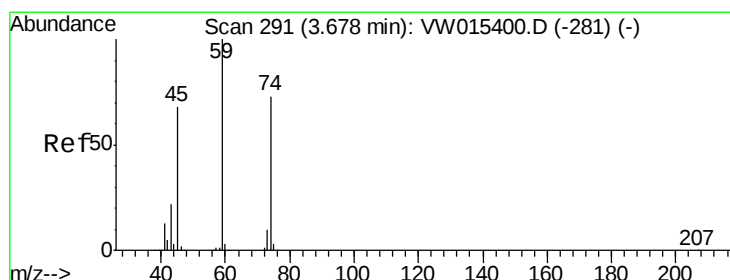
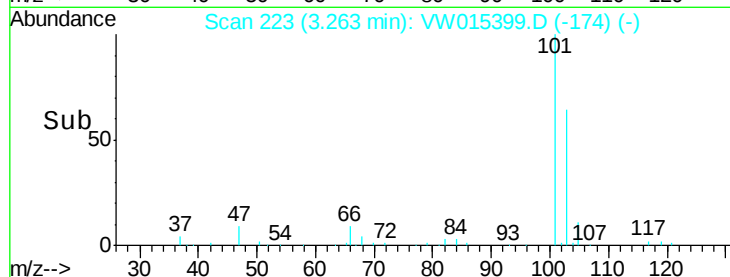
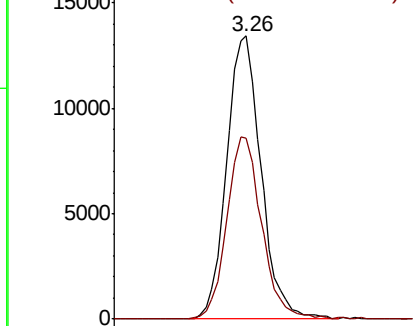
Trichlorofluoromethane
Concen: 11.818 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015399.D
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Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 34067
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.4



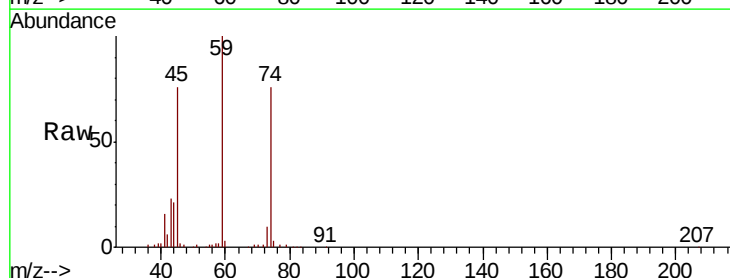
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



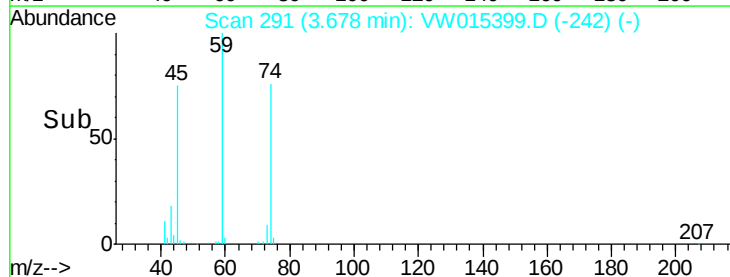
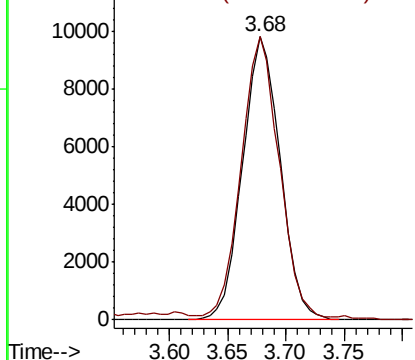
#8

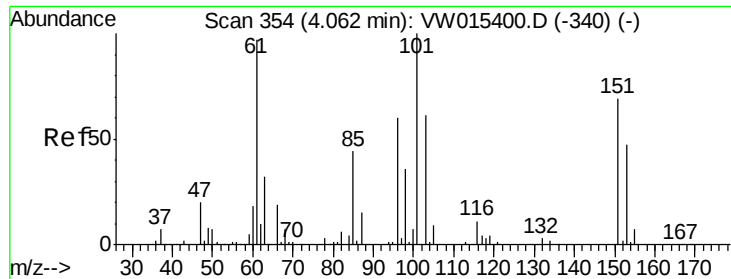
Diethyl Ether
Concen: 24.695 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015399.D
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Tgt Ion: 74 Resp: 22134
Ion Ratio Lower Upper
74 100
45 99.3 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.314 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

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ClientSampled :

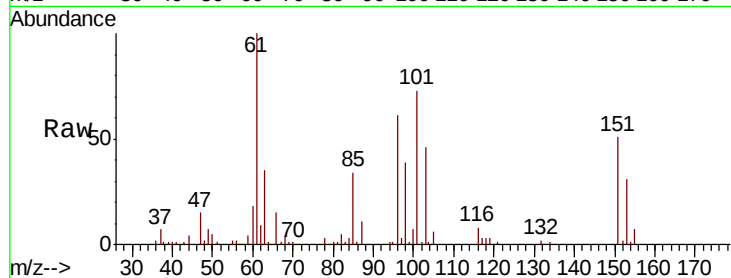
Tot Ion:101 Resp: 39200

Ion Ratio Lower Upper

101 100

85 47.6 37.3 55.9

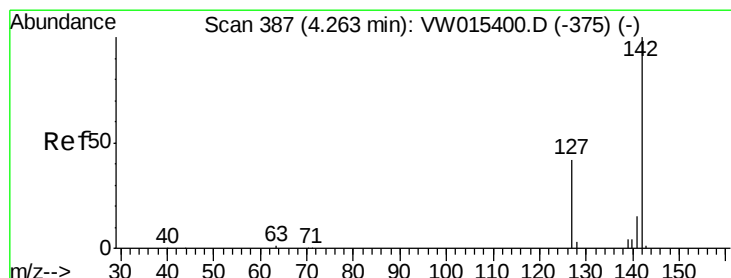
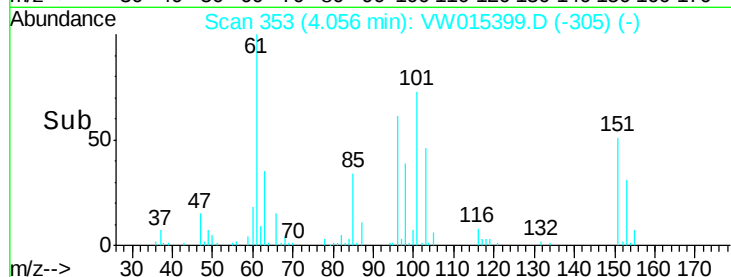
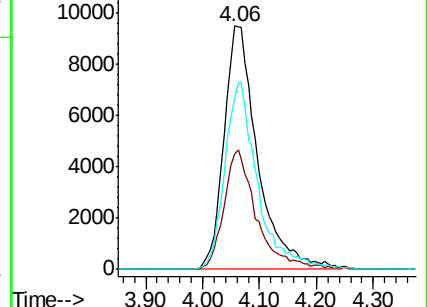
151 74.9 58.9 88.3



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: 28.262 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

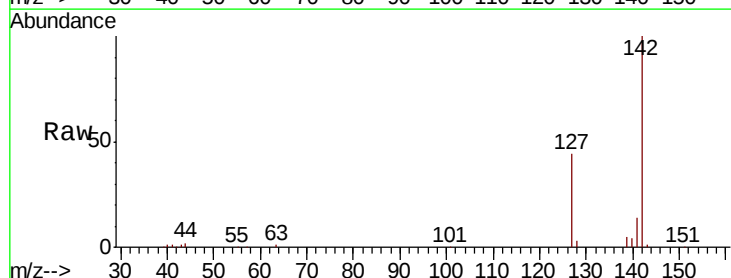
Tgt Ion:142 Resp: 60263

Ion Ratio Lower Upper

142 100

127 44.8 35.4 53.2

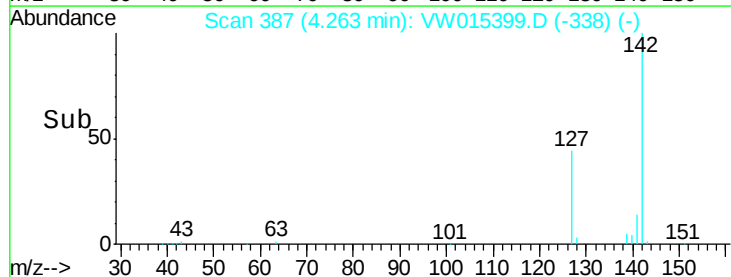
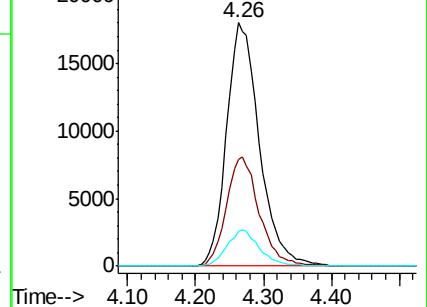
141 14.7 11.7 17.5

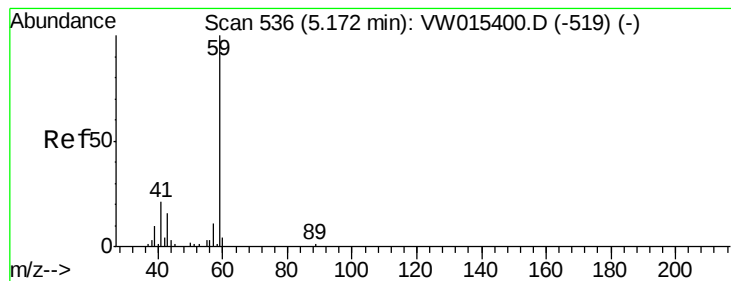


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.635 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

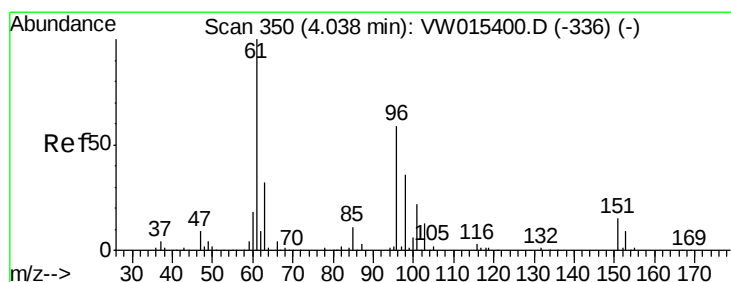
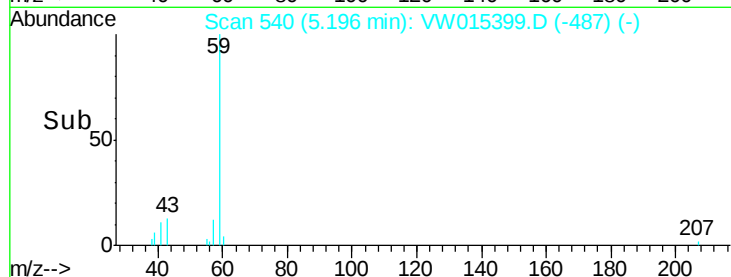
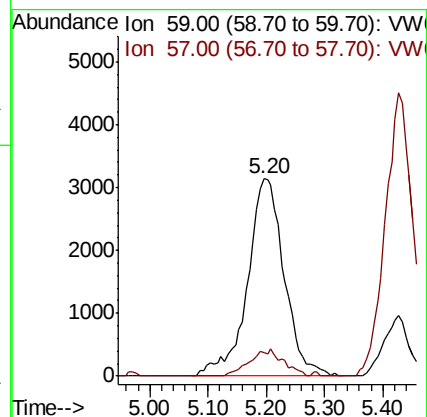
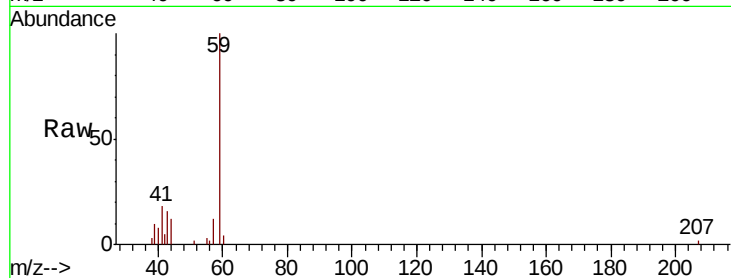
ClientSampled :

Tot Ion: 59 Resp: 13674

Ion Ratio Lower Upper

59 100

57 12.6 8.6 13.0



#12

1,1-Dichloroethene

Concen: 21.618 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

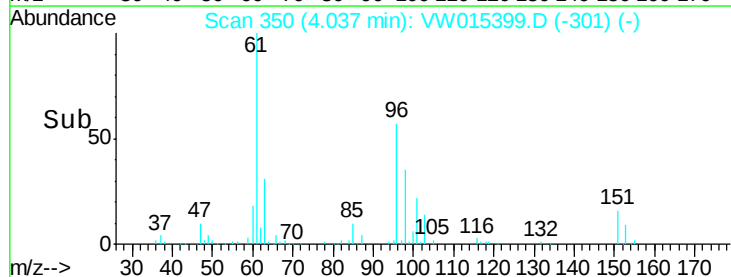
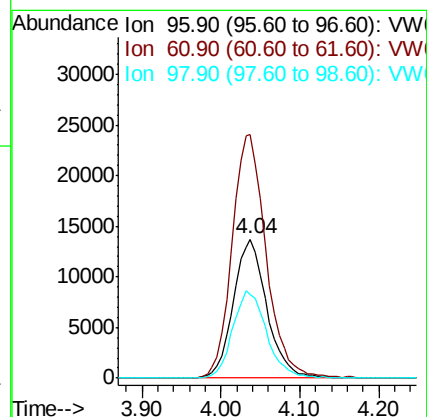
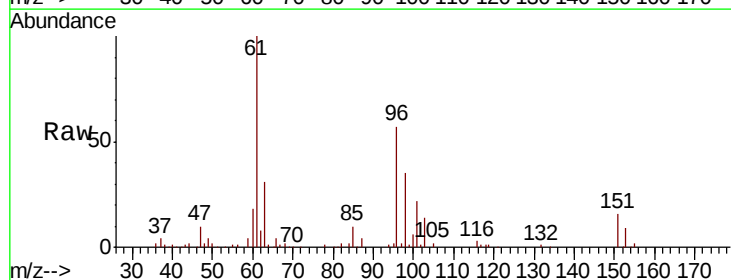
Tgt Ion: 96 Resp: 40669

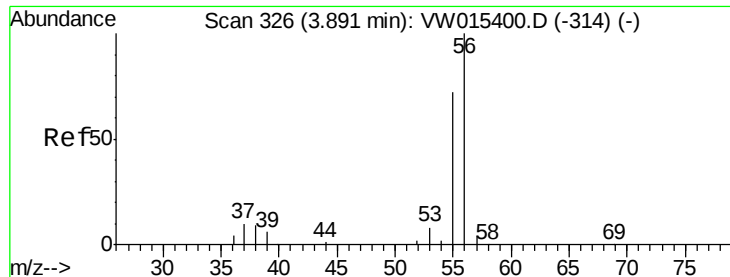
Ion Ratio Lower Upper

96 100

61 174.9 135.8 203.8

98 60.5 48.6 72.8





#13

Acrolein

Concen: 194.619 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

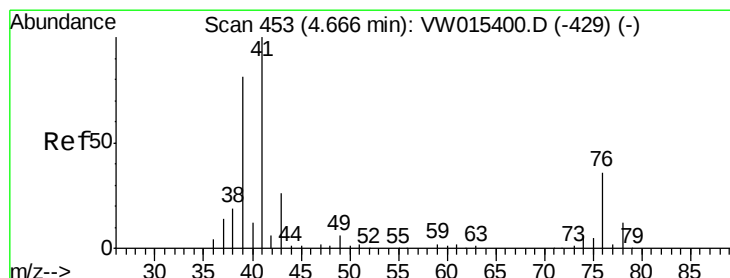
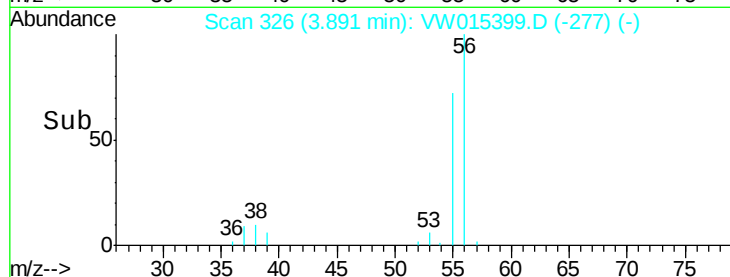
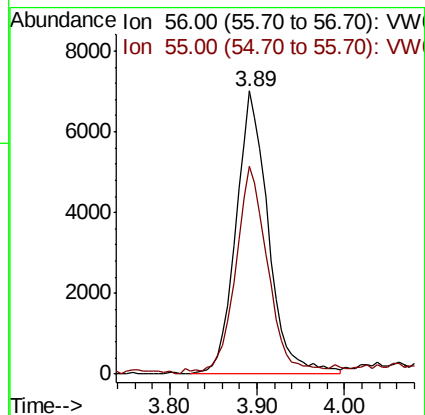
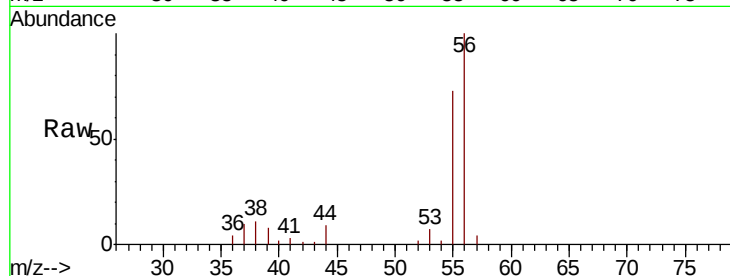
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 18000

Ion Ratio Lower Upper

56 100

55 74.4 56.4 84.6



#14

Allyl chloride

Concen: 27.277 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

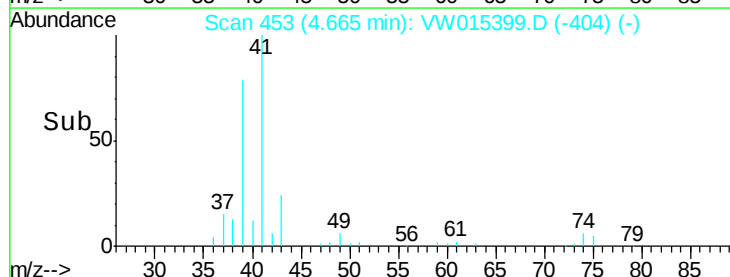
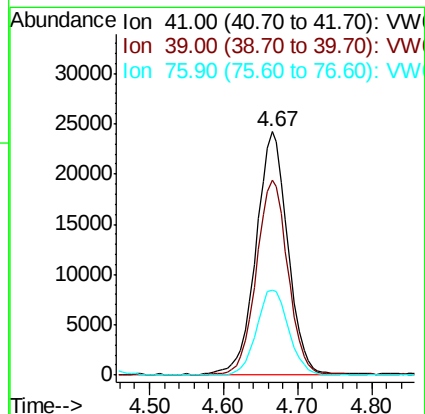
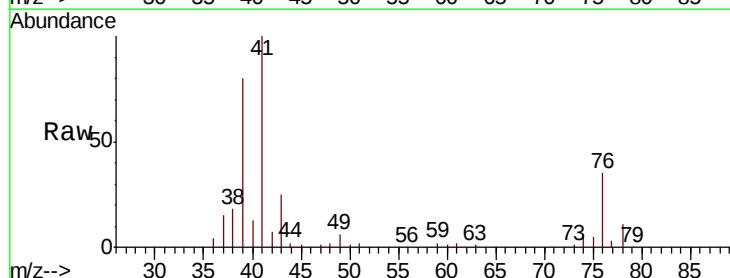
Tgt Ion: 41 Resp: 71650

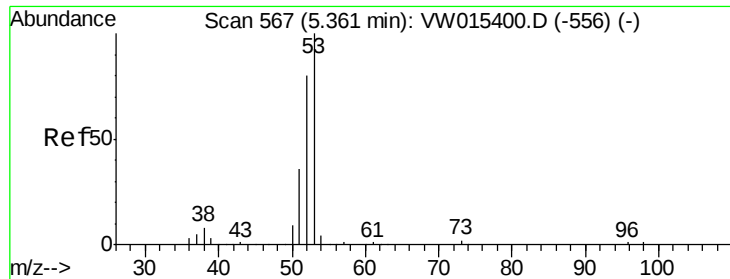
Ion Ratio Lower Upper

41 100

39 80.9 63.6 95.4

76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 122.237 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

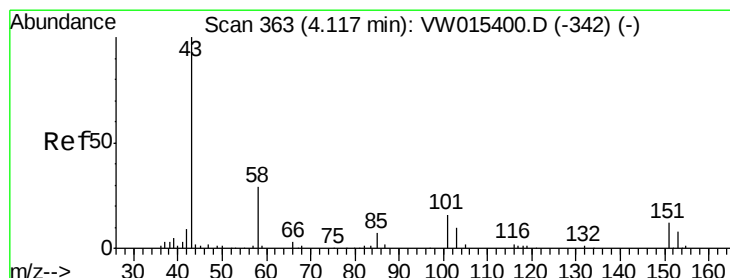
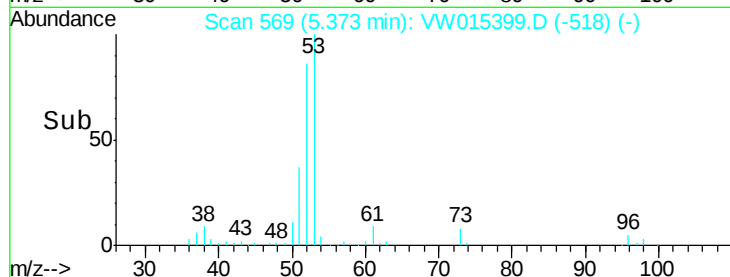
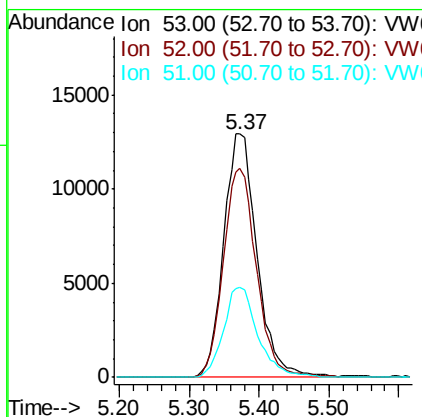
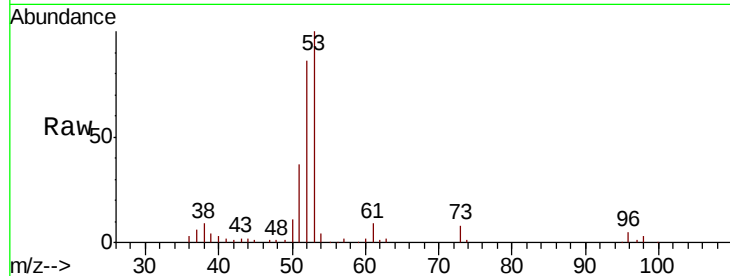
Tot Ion: 53 Resp: 42728

Ion Ratio Lower Upper

53 100

52 85.3 66.6 99.8

51 38.2 30.2 45.2



#16

Acetone

Concen: 109.850 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015399.D

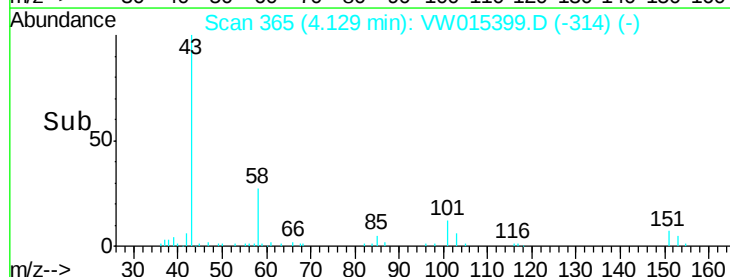
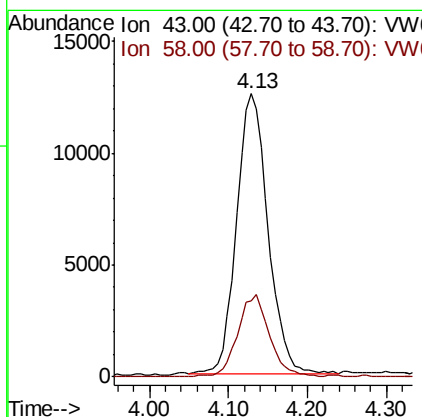
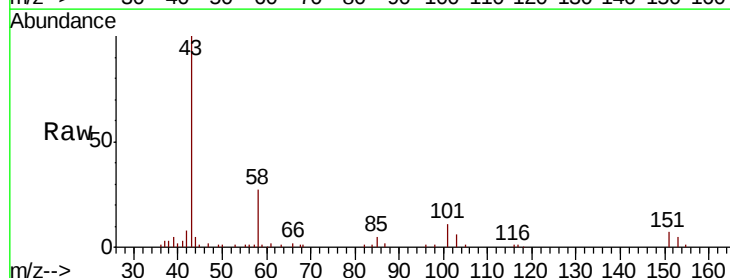
Acq: 05 May 2020 17:04

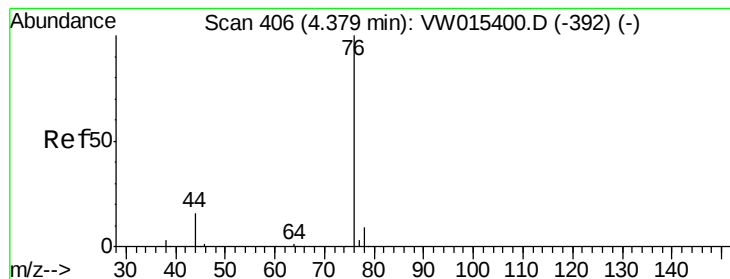
Tgt Ion: 43 Resp: 34681

Ion Ratio Lower Upper

43 100

58 27.1 23.4 35.0





#17

Carbon Disulfide

Concen: 22.540 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

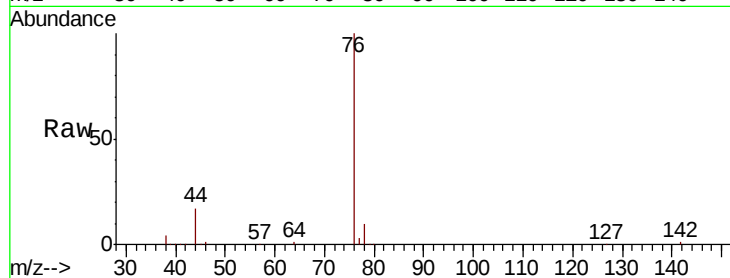
ClientSampleId :

Tot Ion: 76 Resp: 126129

Ion Ratio Lower Upper

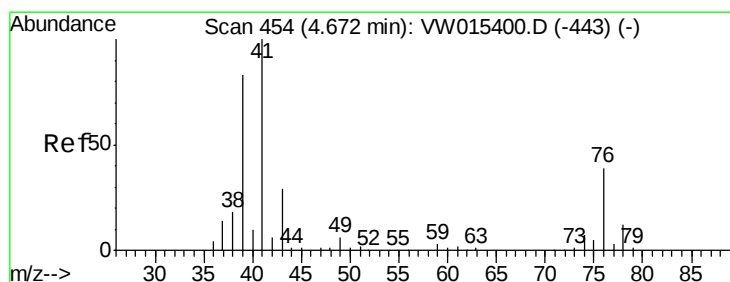
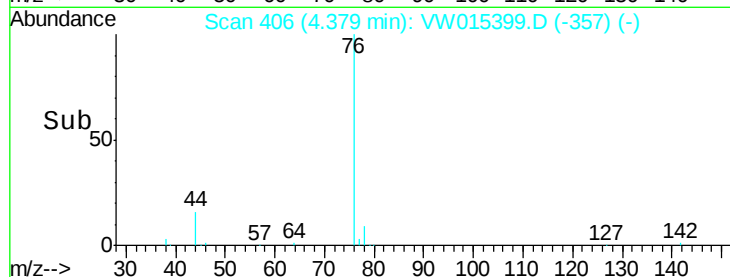
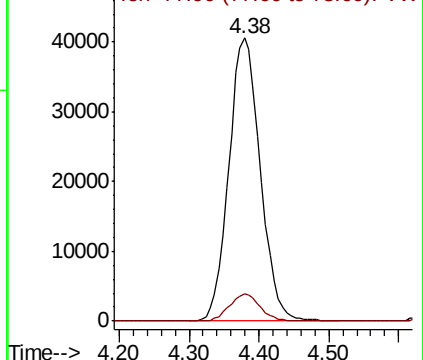
76 100

78 9.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.663 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015399.D

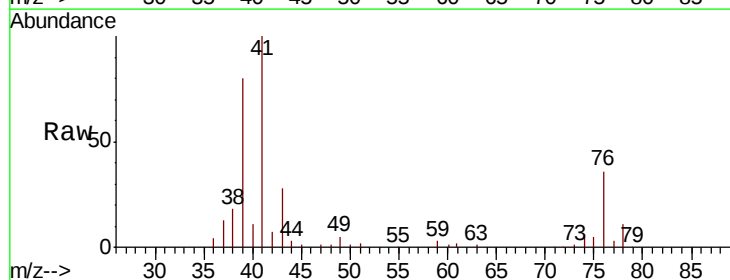
Acq: 05 May 2020 17:04

Tgt Ion: 43 Resp: 19075

Ion Ratio Lower Upper

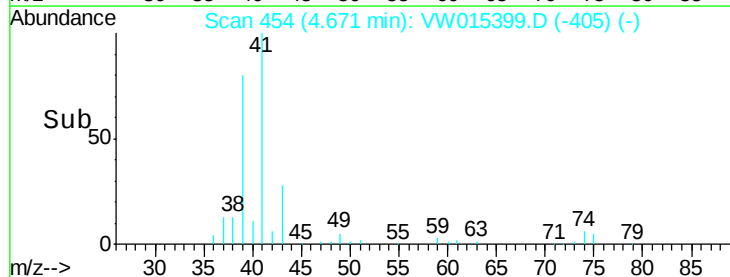
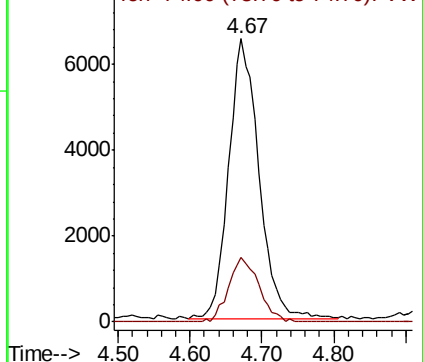
43 100

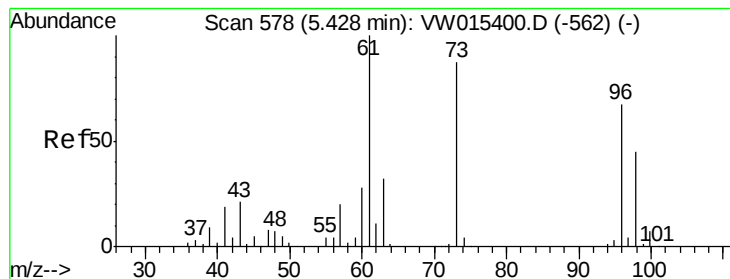
74 23.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



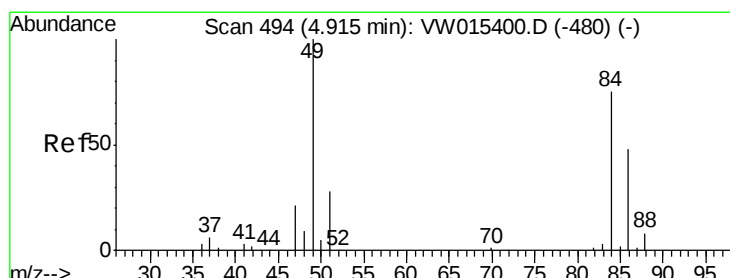
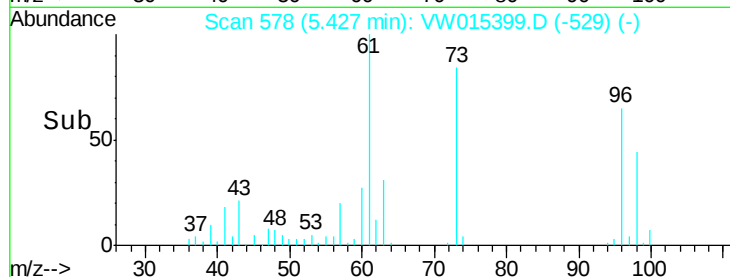
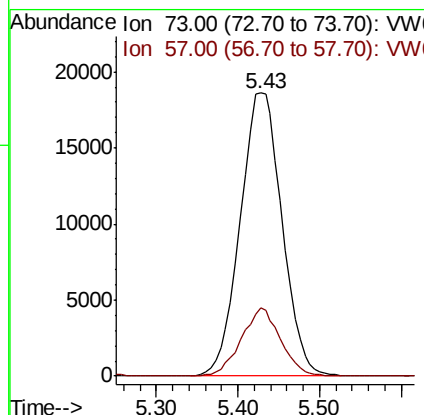
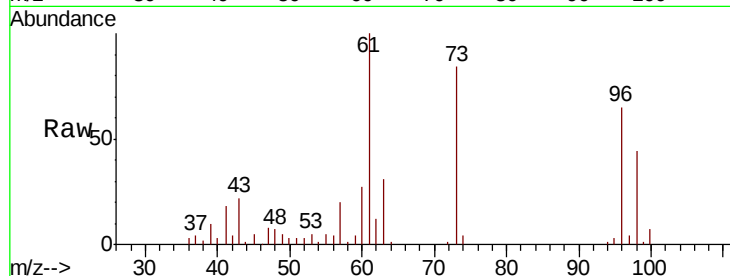


#19

Methyl tert-butyl Ether
 Concen: 16.303 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampled :

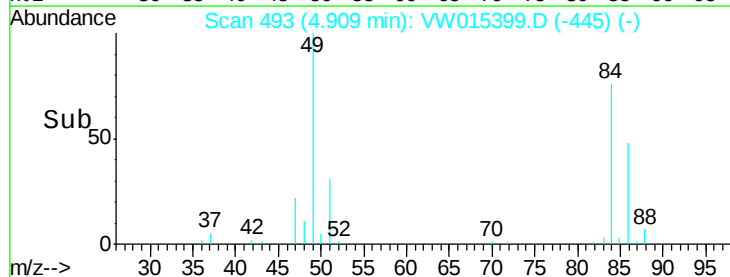
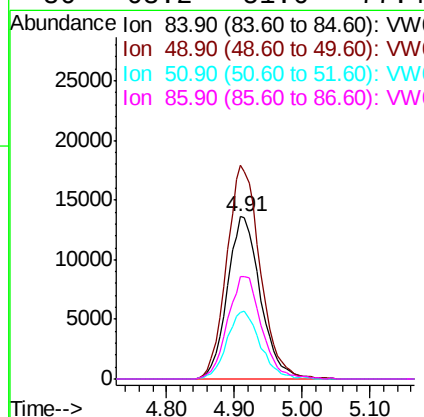
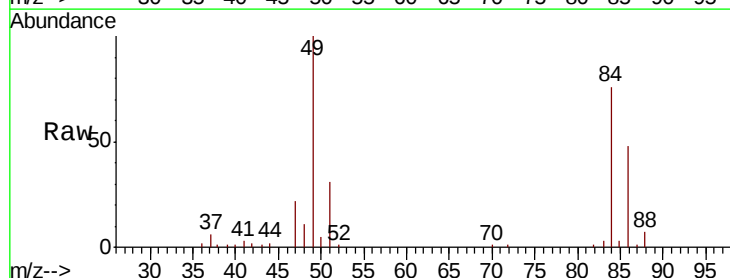
Tot Ion: 73 Resp: 66350
 Ion Ratio Lower Upper
 73 100
 57 24.2 18.5 27.7

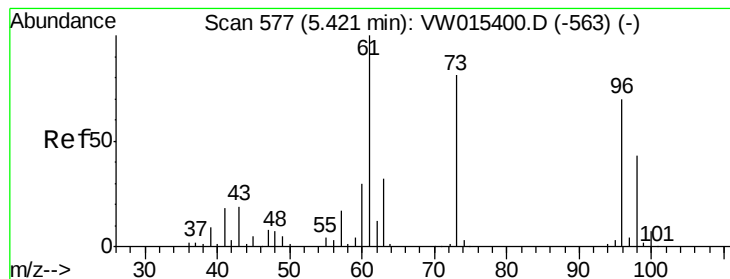


#20

Methylene Chloride
 Concen: 22.466 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion: 84 Resp: 46007
 Ion Ratio Lower Upper
 84 100
 49 131.6 106.4 159.6
 51 41.1 30.2 45.2
 86 63.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 21.450 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

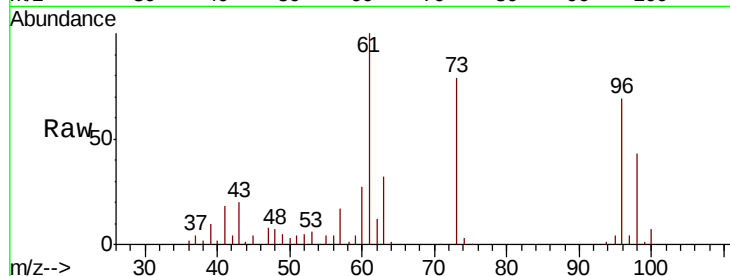
Tot Ion: 96 Resp: 45664

Ion Ratio Lower Upper

96 100

61 145.2 114.9 172.3

98 62.9 49.4 74.0

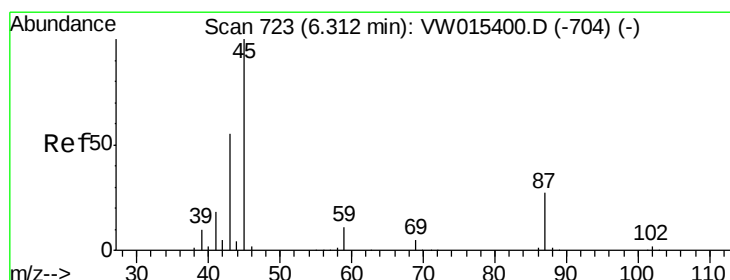
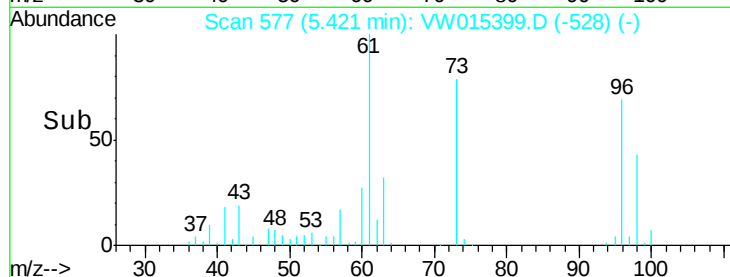
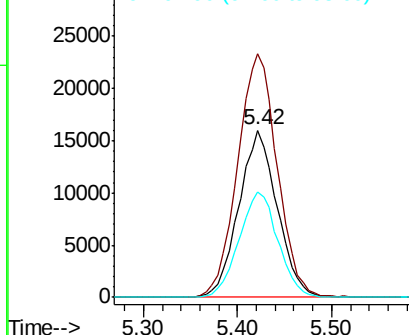


Abundance

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: 27.883 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion: 45 Resp: 141307

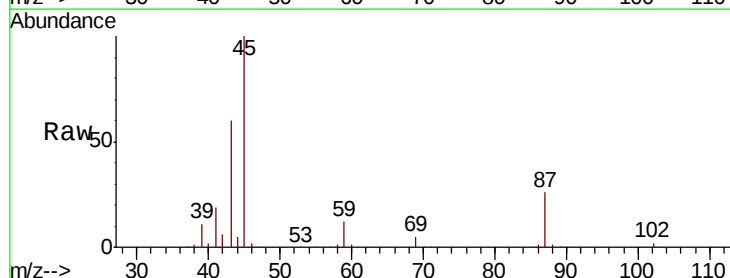
Ion Ratio Lower Upper

45 100

43 59.3 44.2 66.4

87 26.2 21.6 32.4

59 11.5 9.0 13.6



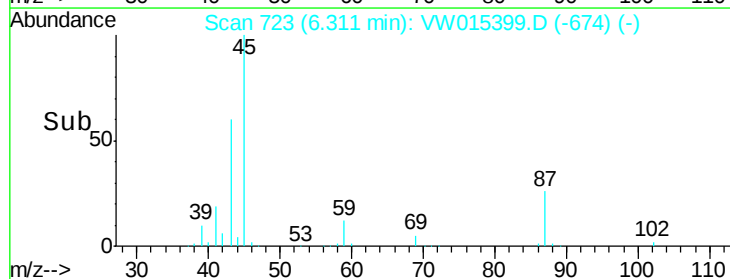
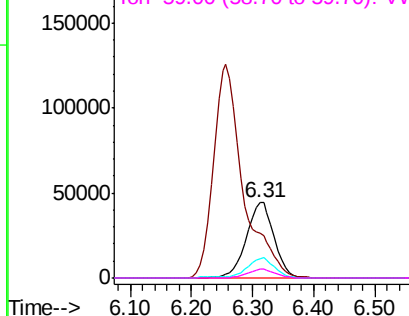
Abundance

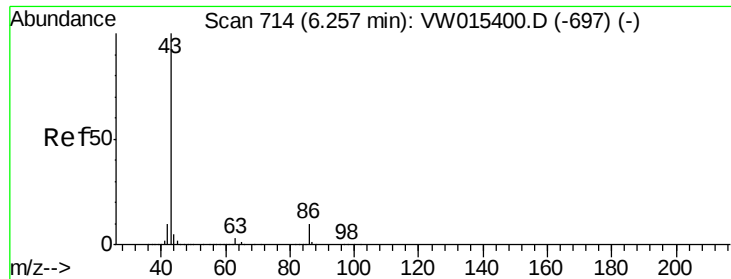
Ion 45.00 (44.70 to 45.70): VW

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: 142.415 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

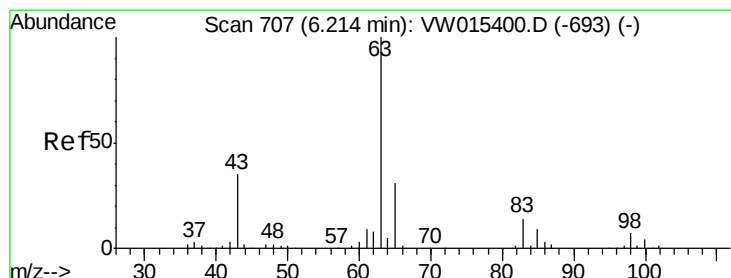
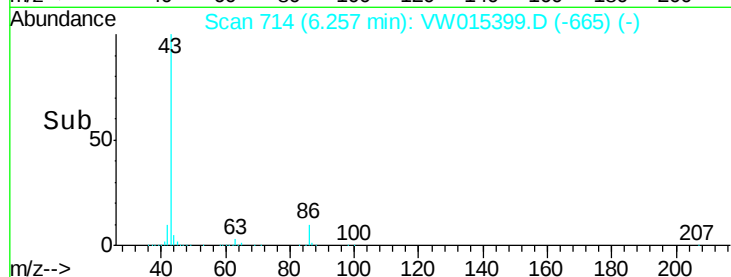
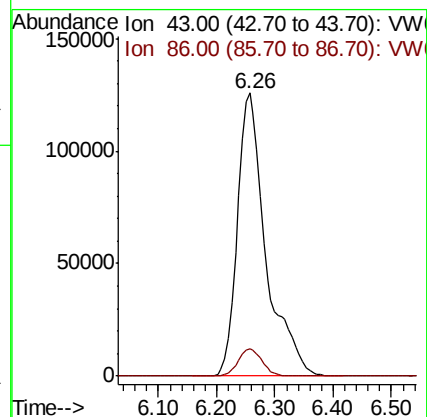
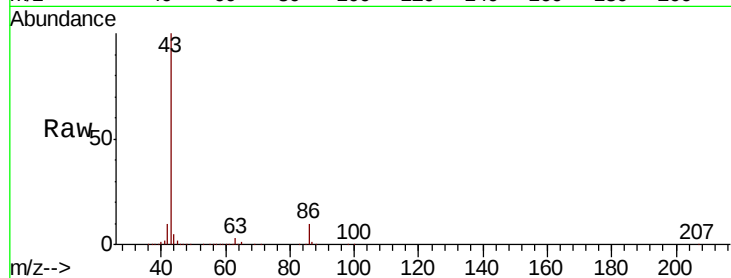
ClientSampled :

Tot Ion: 43 Resp: 427406

Ion Ratio Lower Upper

43 100

86 9.7 8.1 12.1



#24

1,1-Dichloroethane

Concen: 24.617 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

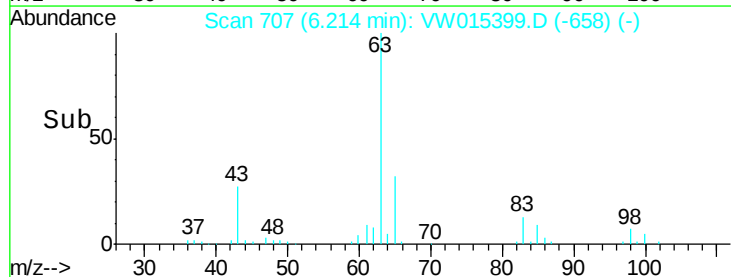
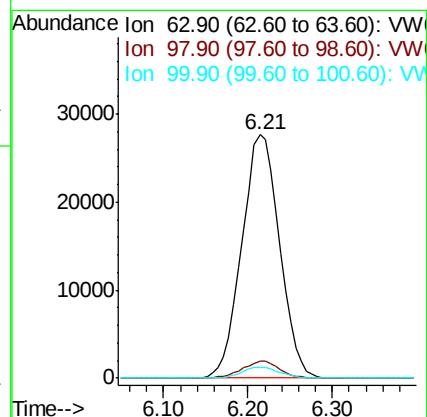
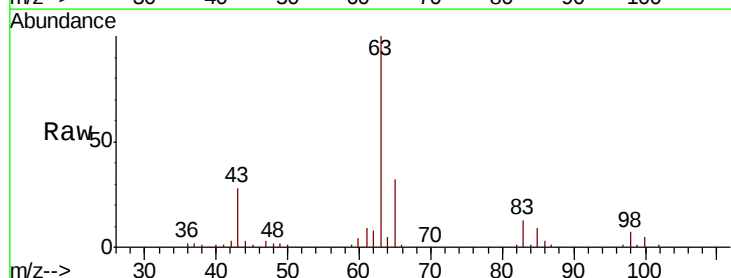
Tgt Ion: 63 Resp: 83891

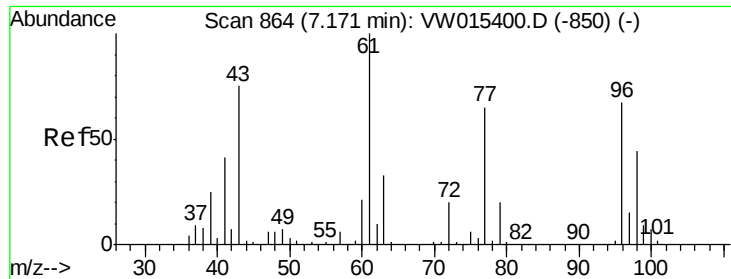
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.6 2.1 6.5

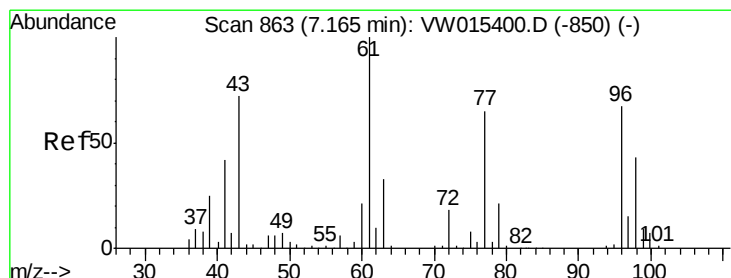
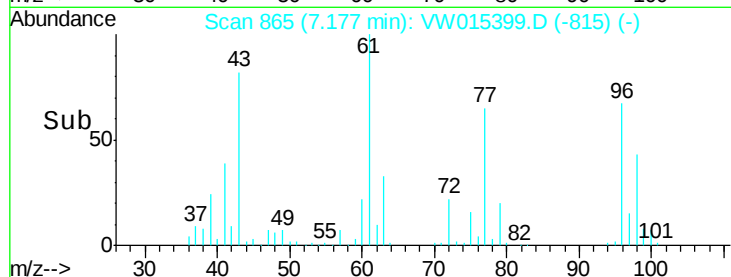
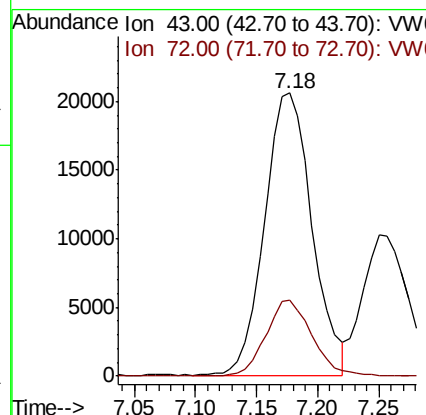
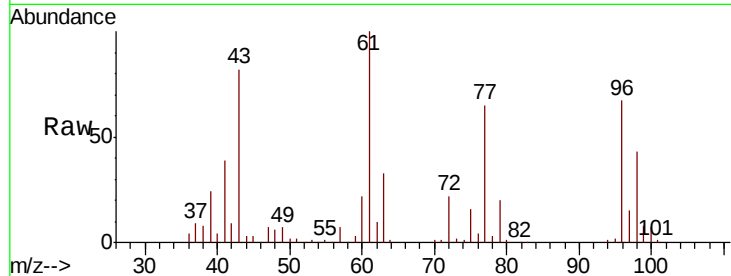




#25
 2-Butanone
 Concen: 127.475 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

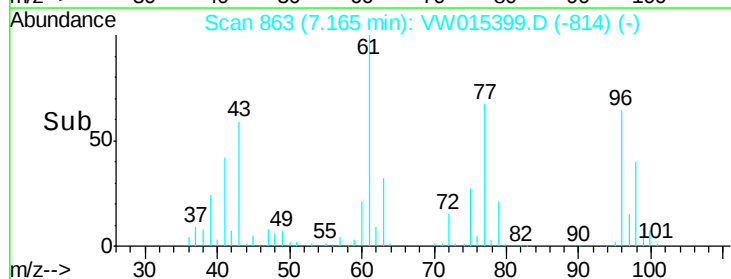
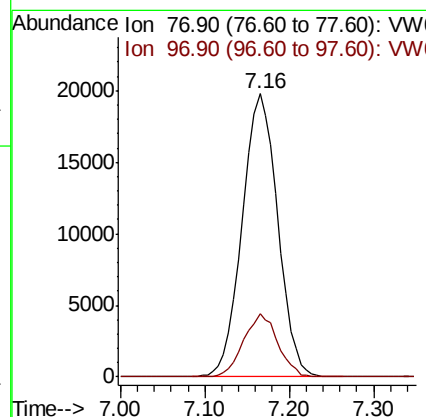
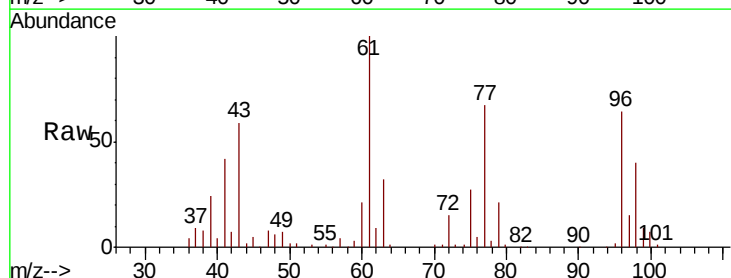
Instrument :
 MSVOA_W
 ClientSampleId :

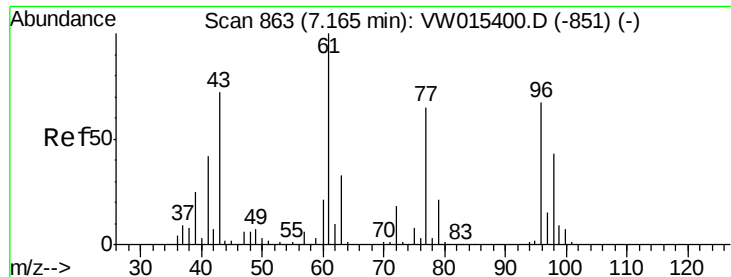
Tot Ion: 43 Resp: 55437
 Ion Ratio Lower Upper
 43 100
 72 27.1 21.4 32.0



#26
 2,2-Dichloropropane
 Concen: 16.970 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion: 77 Resp: 56396
 Ion Ratio Lower Upper
 77 100
 97 21.5 11.1 33.1



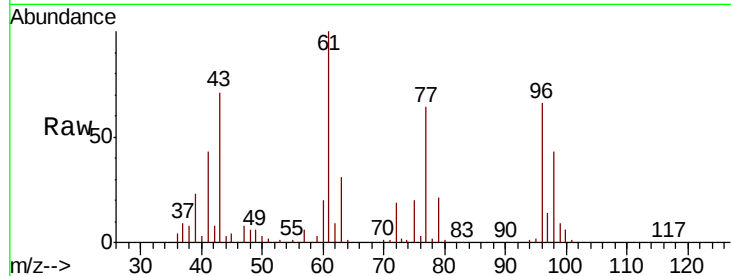


#27

cis-1,2-Dichloroethene
Concen: 21.912 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	50458
Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	304.6
98	63.7	0.0	129.2

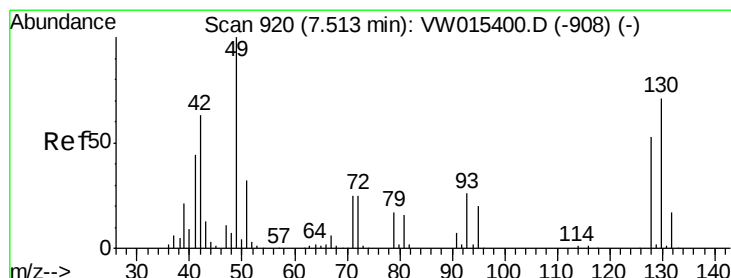
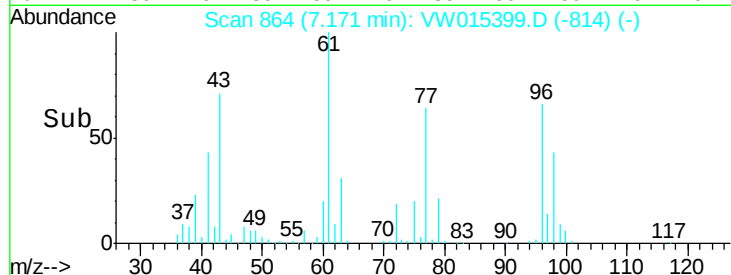
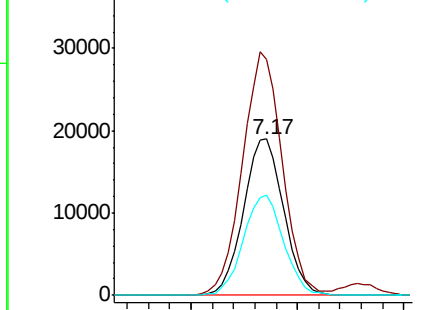


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

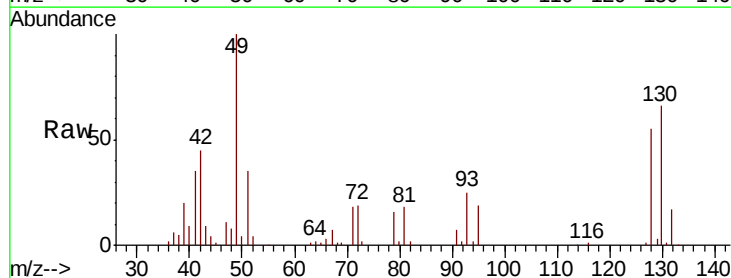
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 27.152 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	49	Resp	34114
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	71.1	57.0	85.4

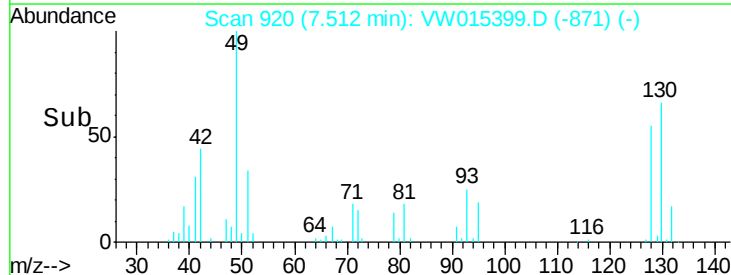
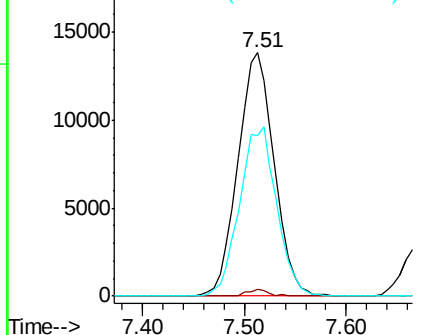


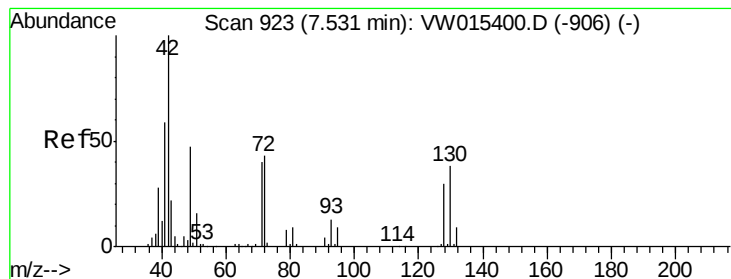
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 134.321 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

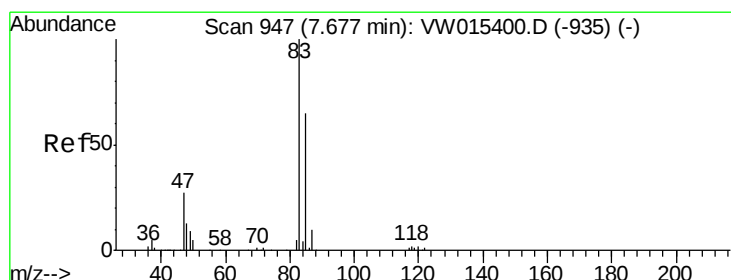
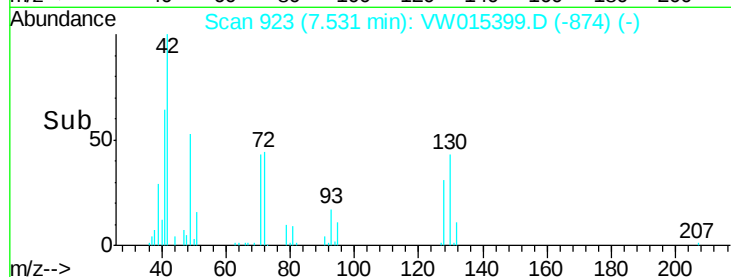
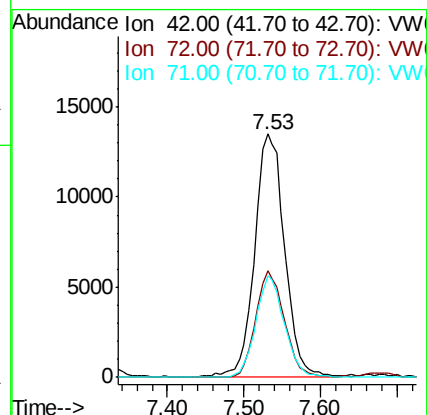
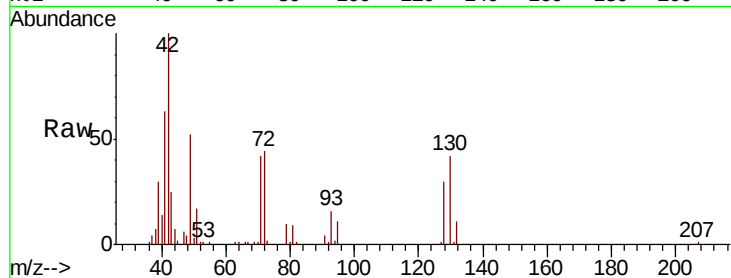
Tot Ion: 42 Resp: 36939

Ion Ratio Lower Upper

42 100

72 41.7 33.6 50.4

71 39.7 32.1 48.1



#30

Chloroform

Concen: 23.191 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015399.D

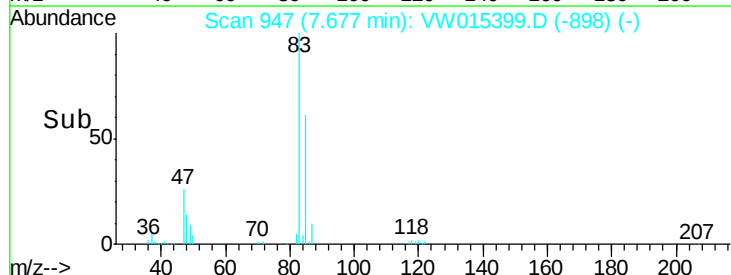
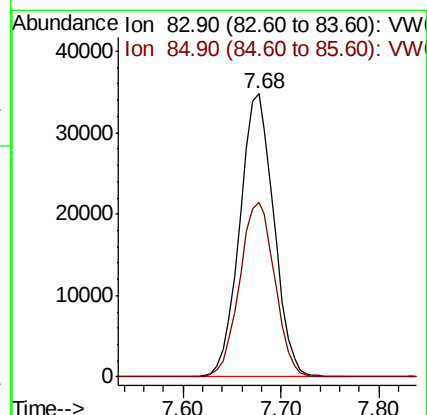
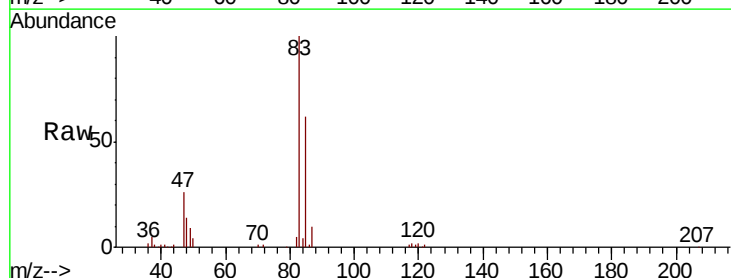
Acq: 05 May 2020 17:04

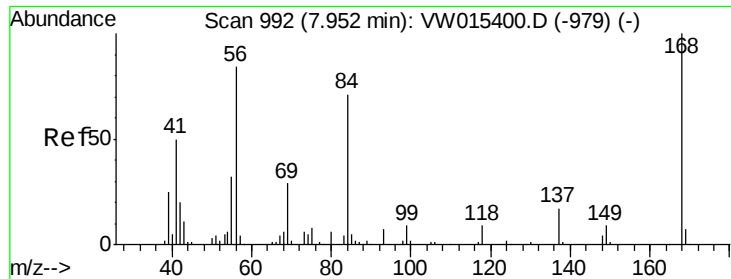
Tgt Ion: 83 Resp: 83880

Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.6

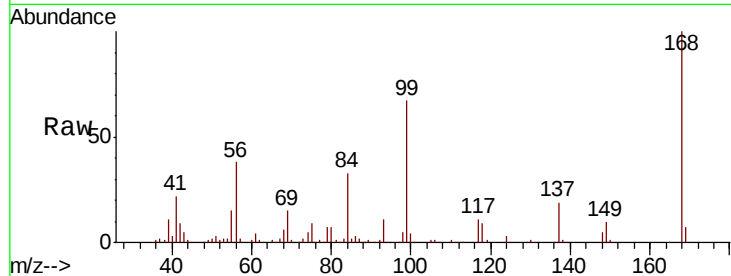




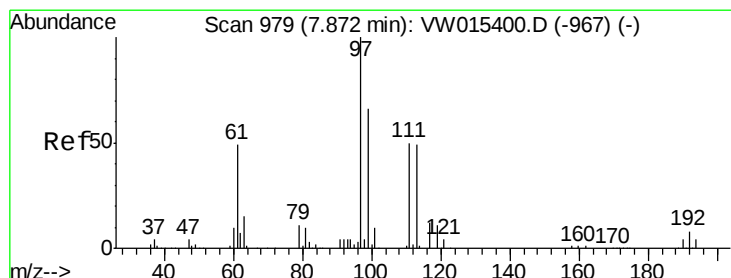
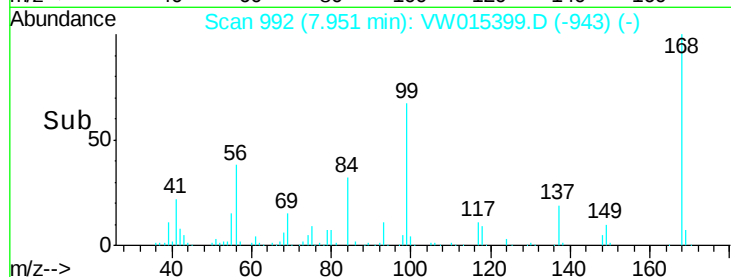
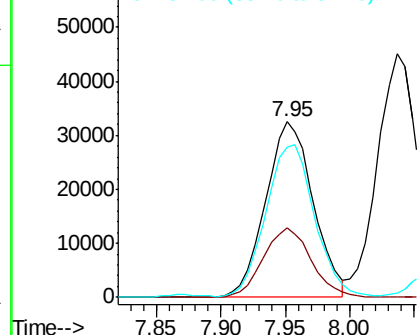
#31
Cyclohexane
Concen: 24.297 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 83433
Ion Ratio Lower Upper
56 100
69 39.6 27.2 40.8
84 84.3 67.7 101.5

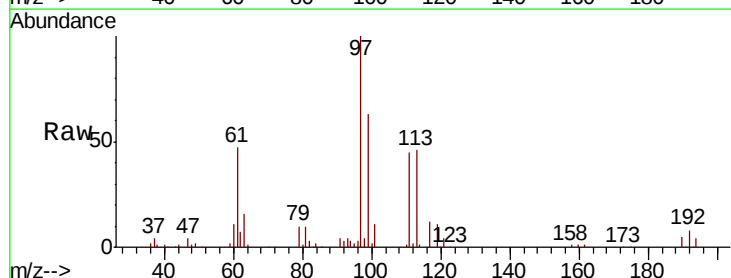


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

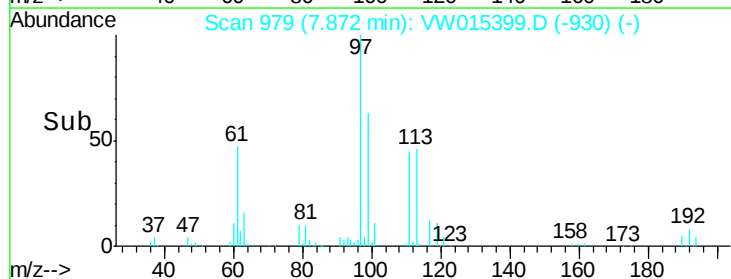
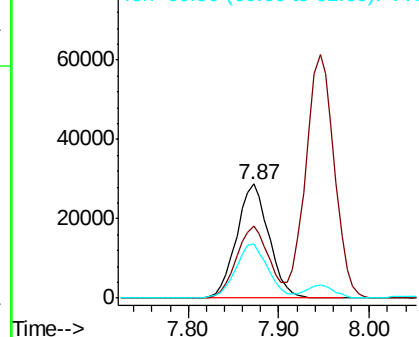


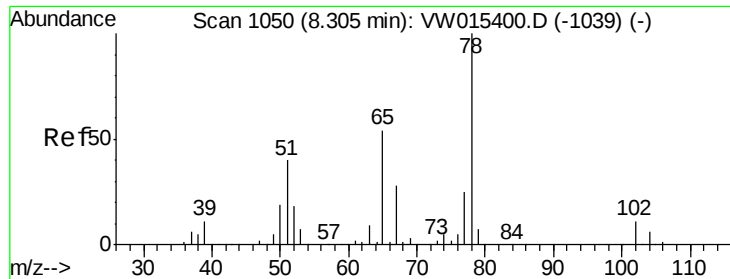
#32
1,1,1-Trichloroethane
Concen: 20.834 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 97 Resp: 71372
Ion Ratio Lower Upper
97 100
99 61.8 50.7 76.1
61 47.7 38.0 57.0



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

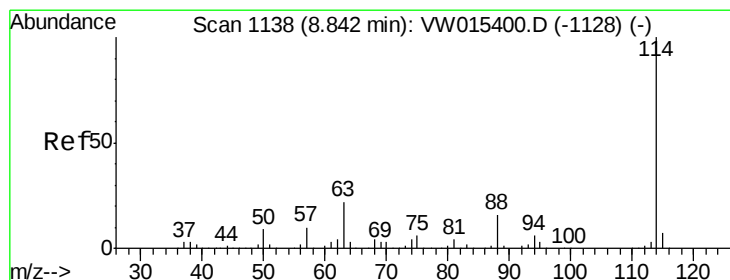
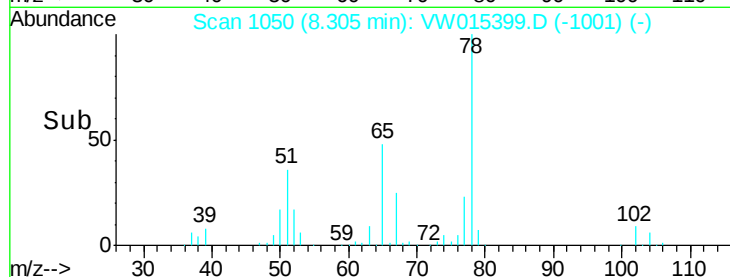
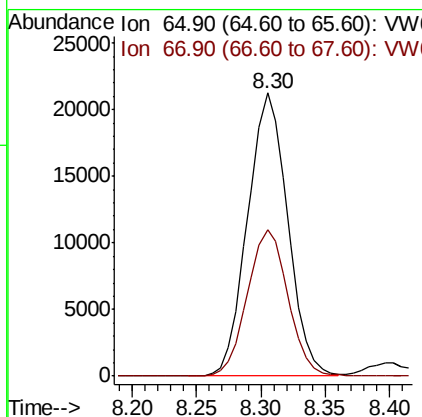
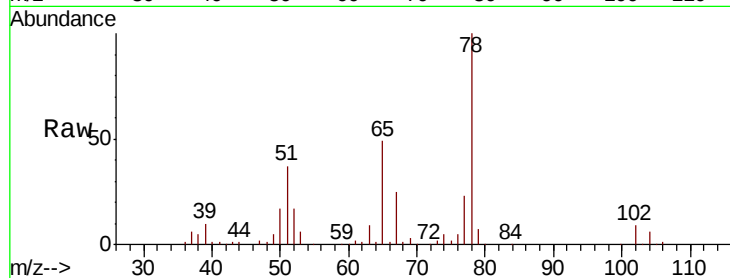




#33
 1,2-Dichloroethane-d4
 Concen: 24.781 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

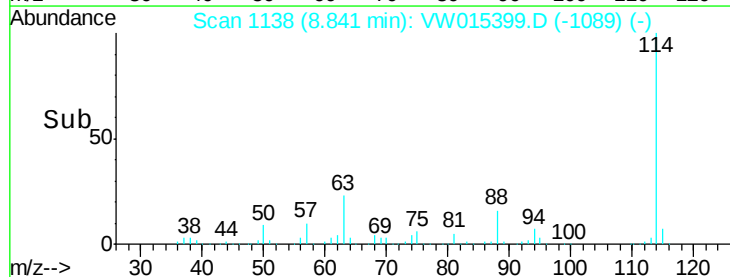
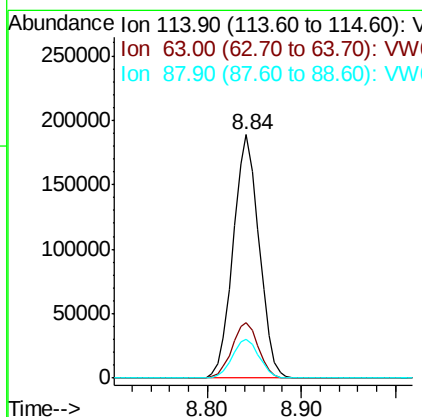
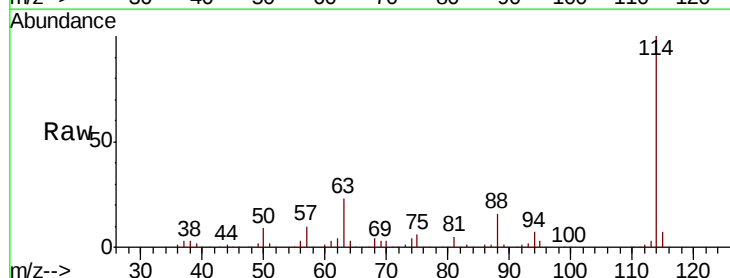
Instrument :
 MSVOA_W
 ClientSampled :

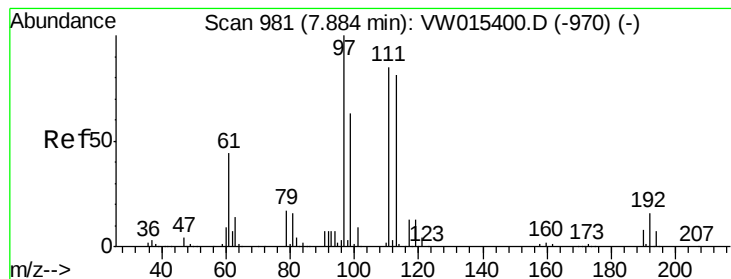
Tot Ion: 65 Resp: 45805
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion: 114 Resp: 361153
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 20.256 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :

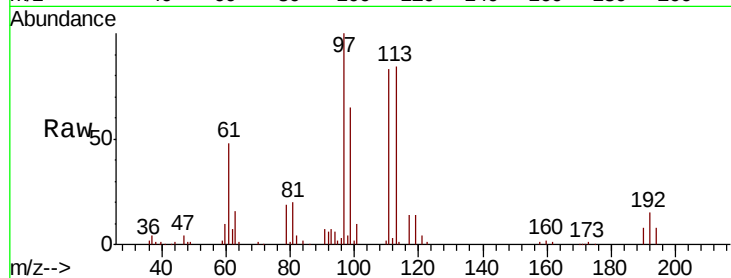
Tot Ion:113 Resp: 40707

Ion Ratio Lower Upper

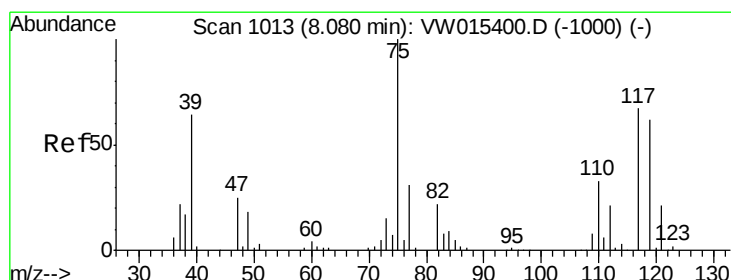
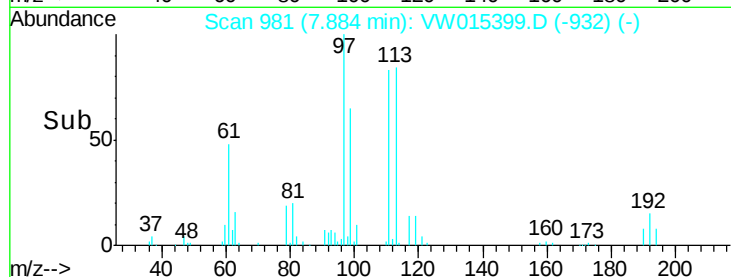
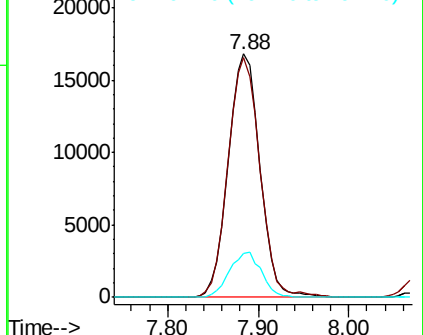
113 100

111 99.3 82.9 124.3

192 18.6 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: 20.877 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

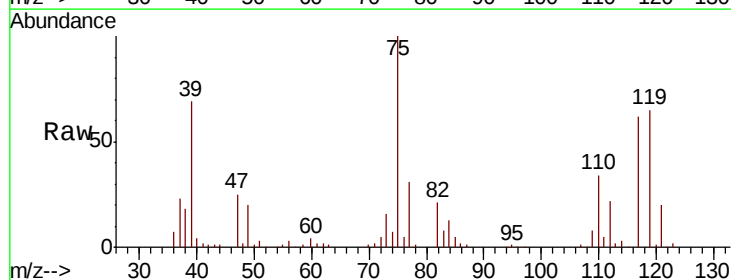
Tgt Ion: 75 Resp: 69521

Ion Ratio Lower Upper

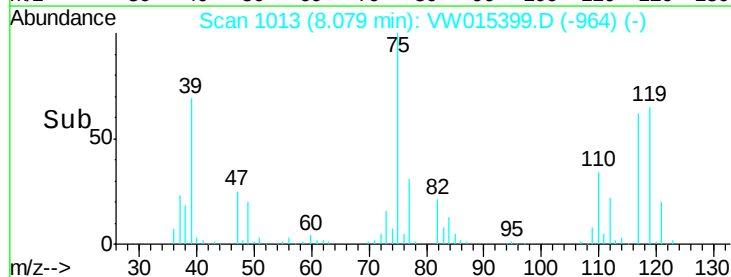
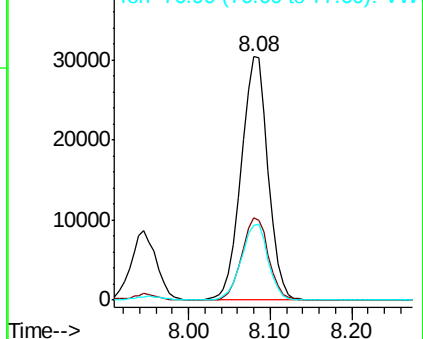
75 100

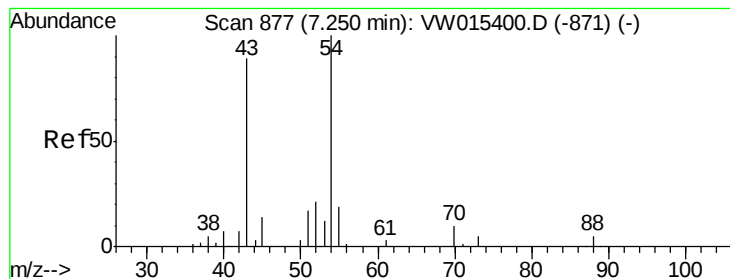
110 33.6 16.6 49.8

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: 23.713 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

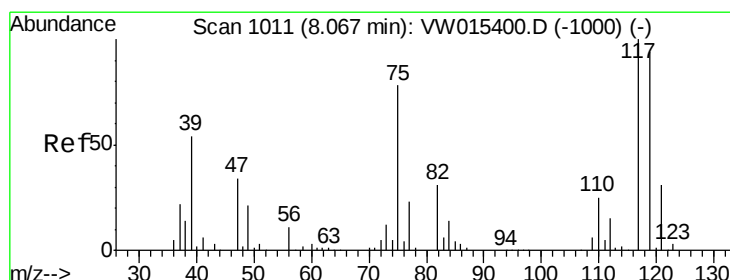
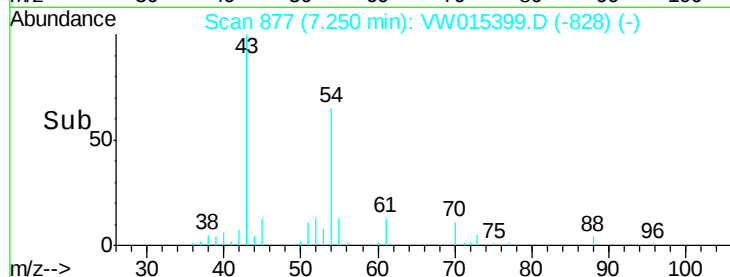
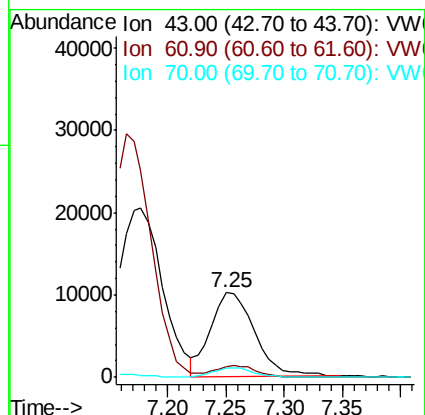
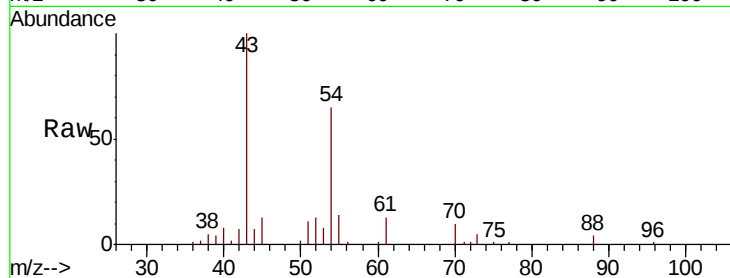
Tot Ion: 43 Resp: 26667

Ion Ratio Lower Upper

43 100

61 13.6 10.2 15.2

70 10.6 8.0 12.0



#38

Carbon Tetrachloride

Concen: 18.298 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

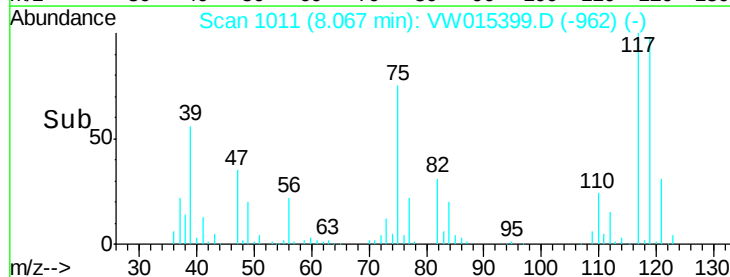
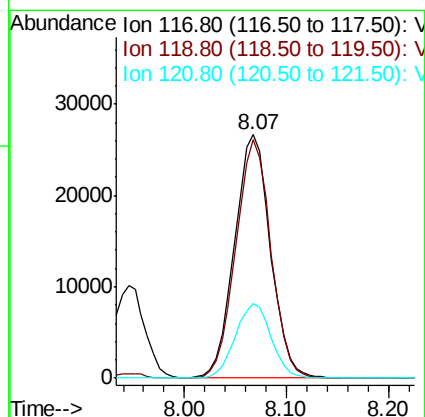
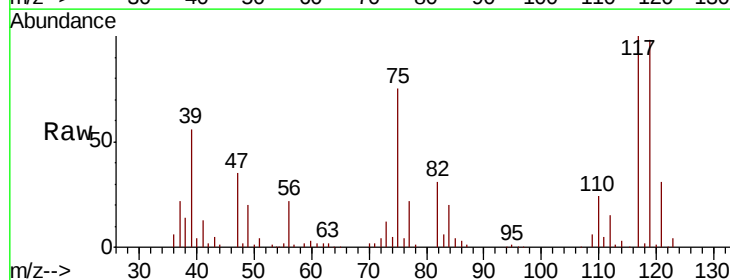
Tgt Ion: 117 Resp: 65114

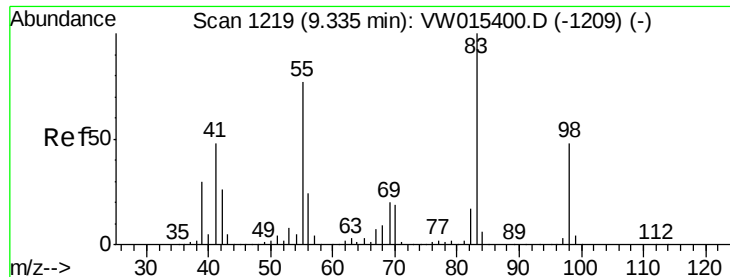
Ion Ratio Lower Upper

117 100

119 97.8 75.4 113.0

121 30.7 24.8 37.2

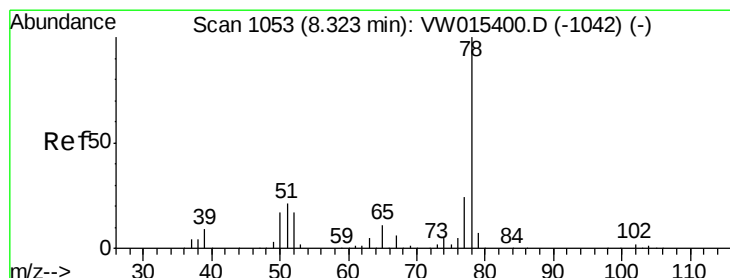
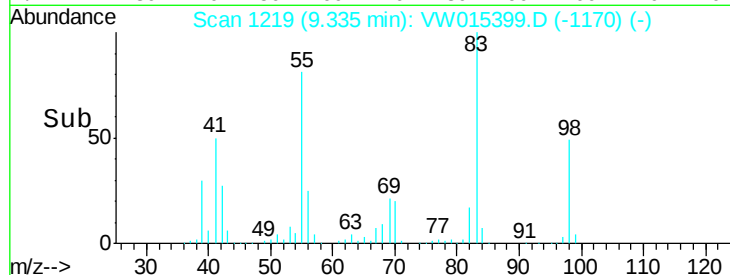
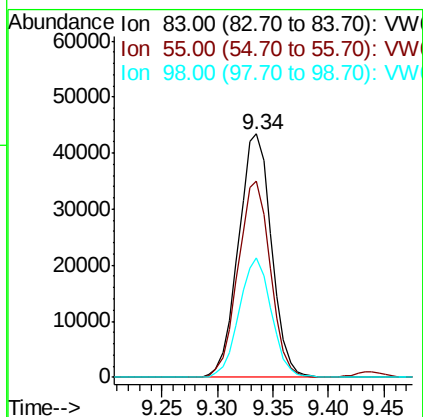
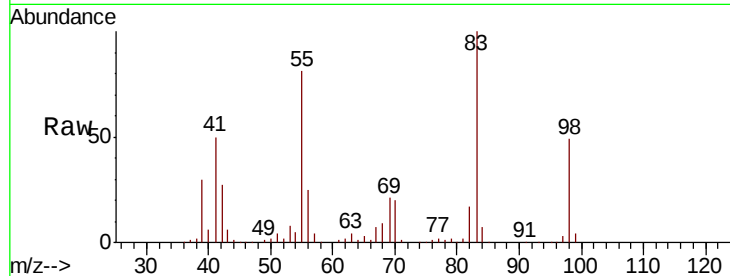




#39
Methylvlcvclohexane
Concen: 20.306 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

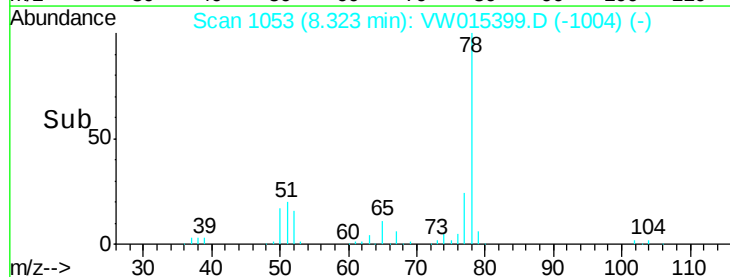
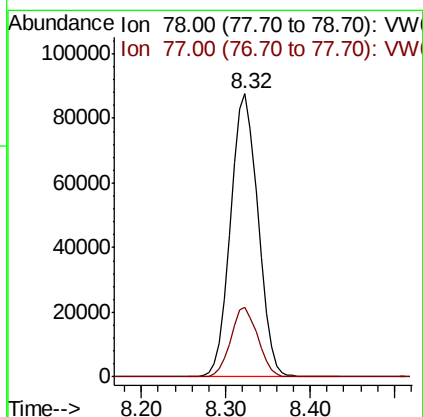
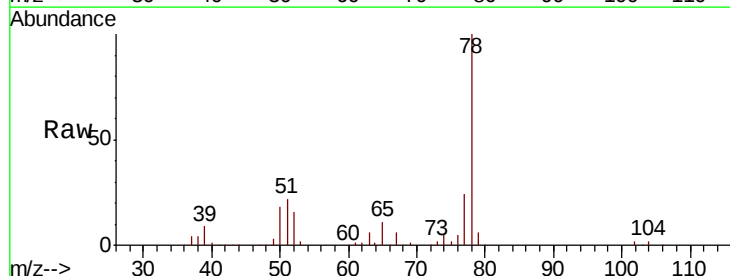
Instrument :
MSVOA_W
ClientSampleId :

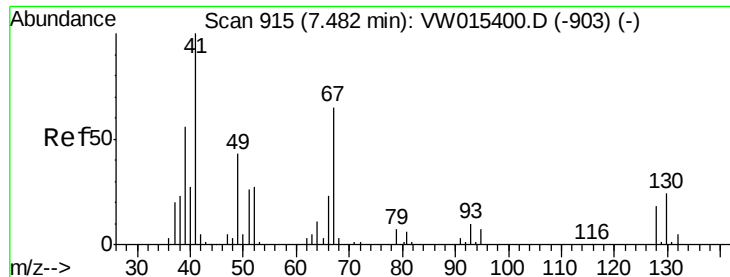
Tot Ion	83	Resp	89235
Ion	Ratio	Lower	Upper
83	100		
55	80.5	61.9	92.9
98	48.9	38.2	57.2



#40
Benzene
Concen: 21.720 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	78	Resp	193040
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

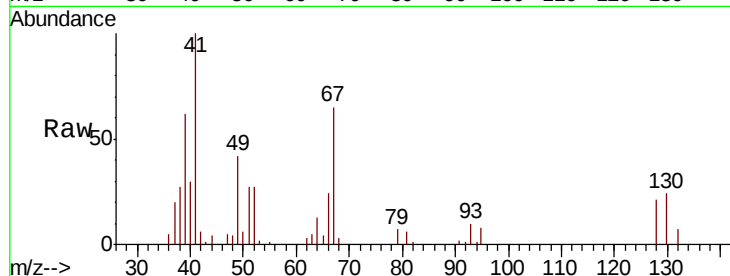




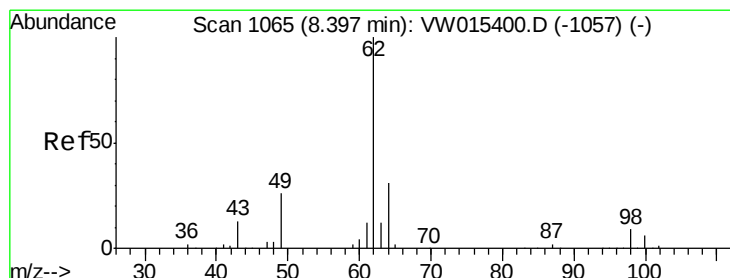
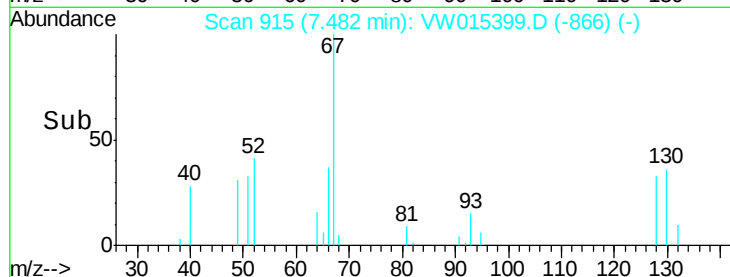
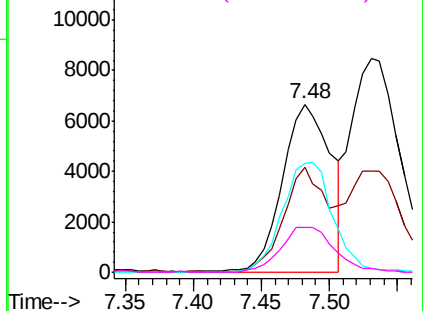
#41
Methacrylonitrile
Concen: 24.457 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	16573
Ion	Ratio	Lower	Upper
41	100		
39	52.0	46.2	69.4
67	68.1	56.2	84.2
52	29.8	25.0	37.6

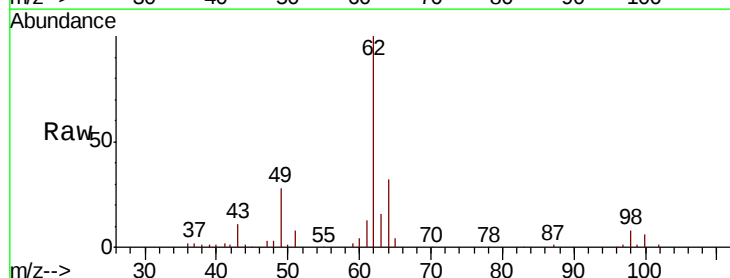


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

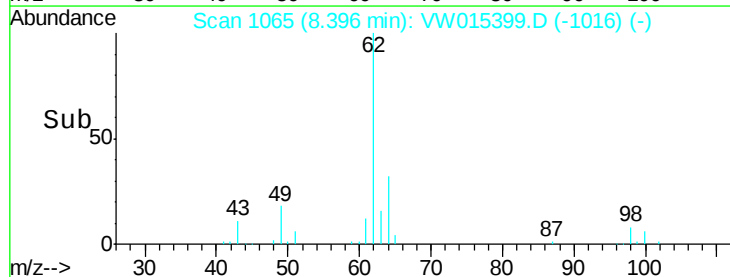
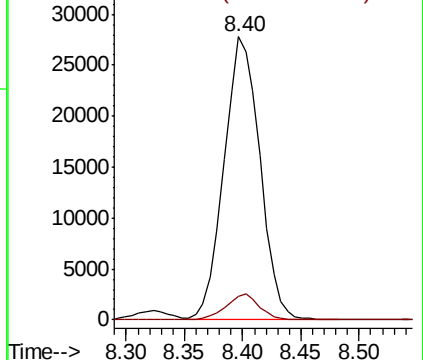


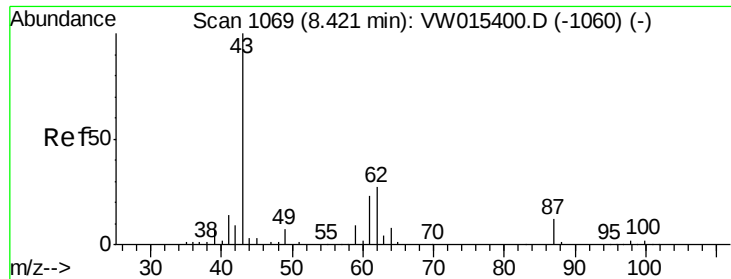
#42
1,2-Dichloroethane
Concen: 22.556 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion:	62	Resp:	59619
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 24.558 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

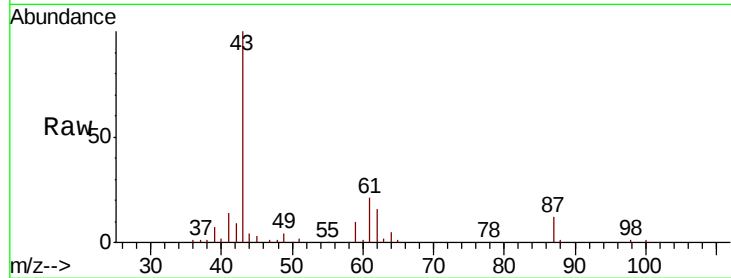
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 57395

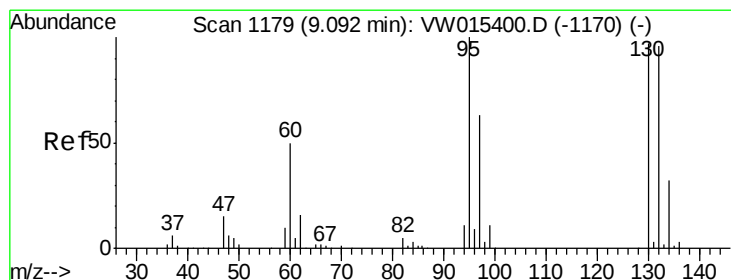
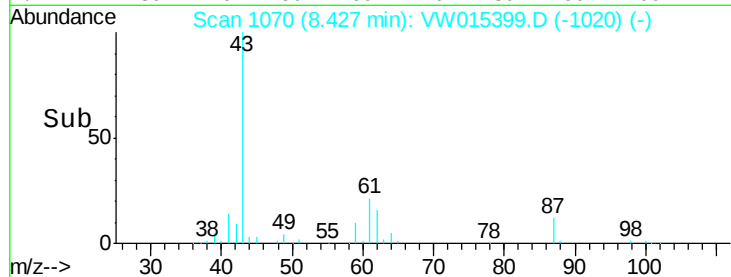
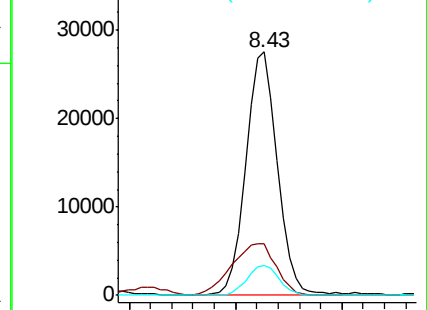
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.3	36.5
87	12.5	10.1	15.1



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: 18.977 ug/l

RT: 9.09 min Scan# 1179

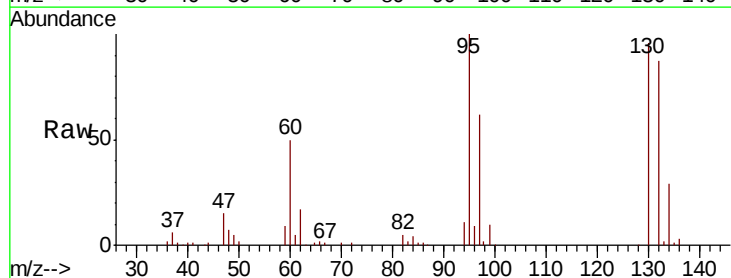
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

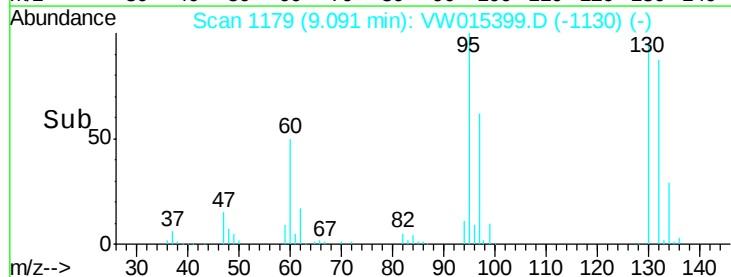
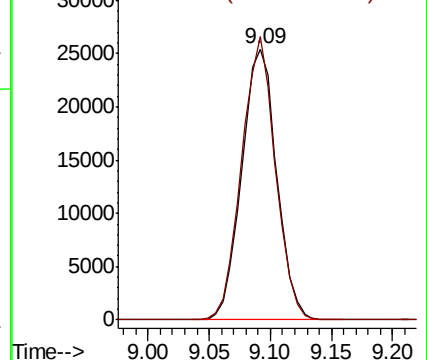
Tgt Ion: 130 Resp: 50344

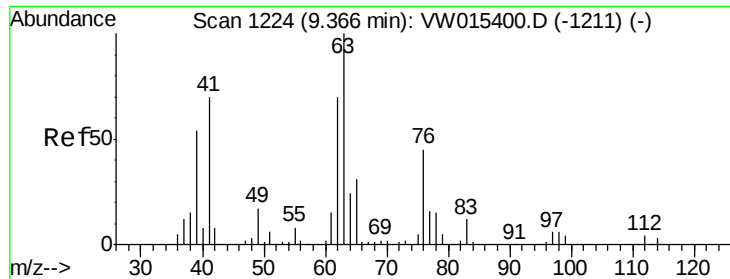
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 22.764 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

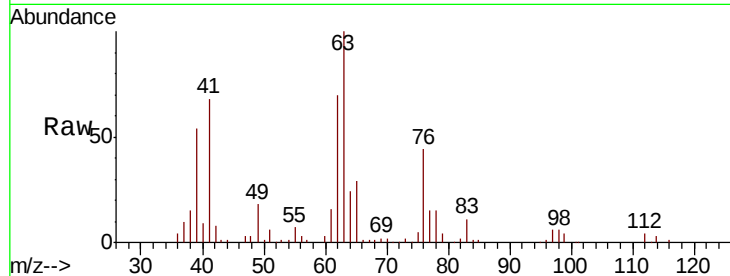
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 47649

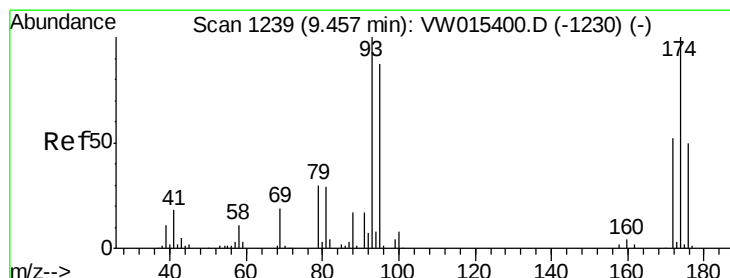
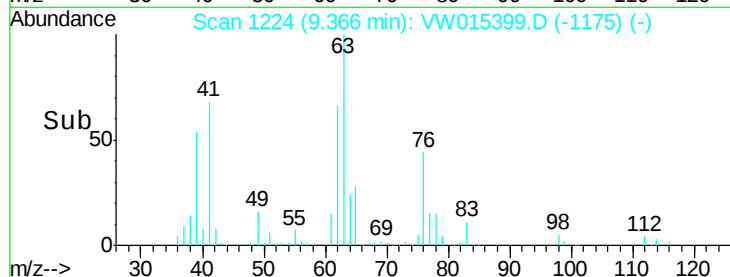
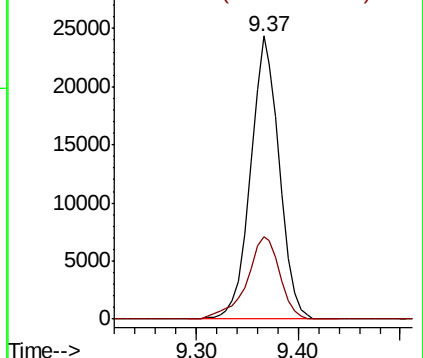
Ion Ratio Lower Upper

63 100

65 29.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.060 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

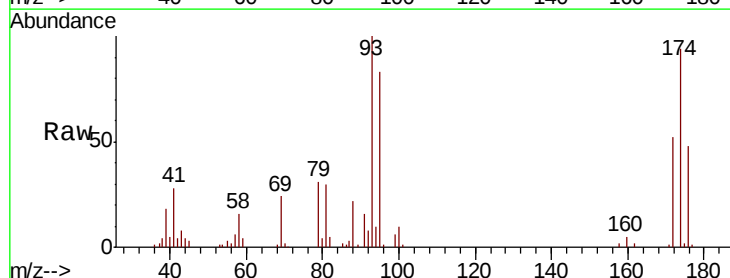
Tgt Ion: 93 Resp: 23723

Ion Ratio Lower Upper

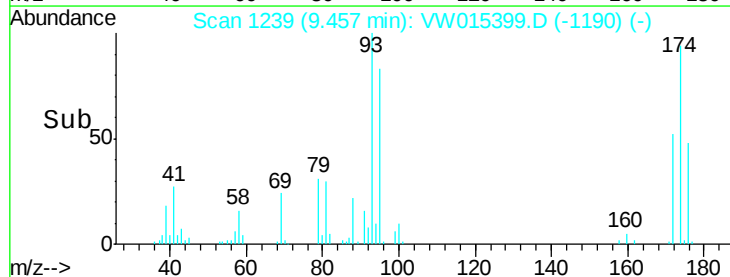
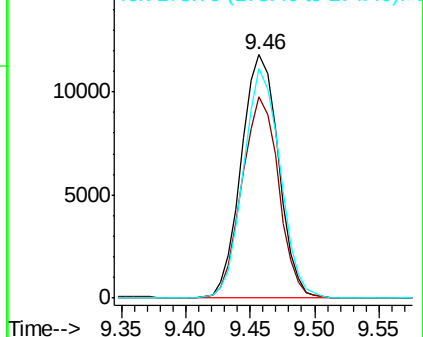
93 100

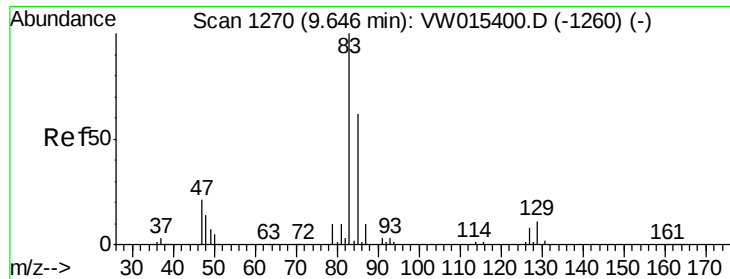
95 81.4 67.0 100.4

174 92.5 78.4 117.6



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V

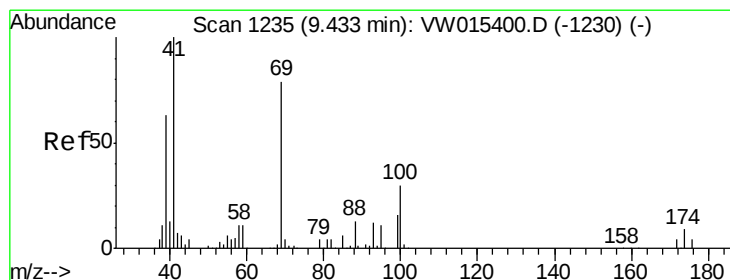
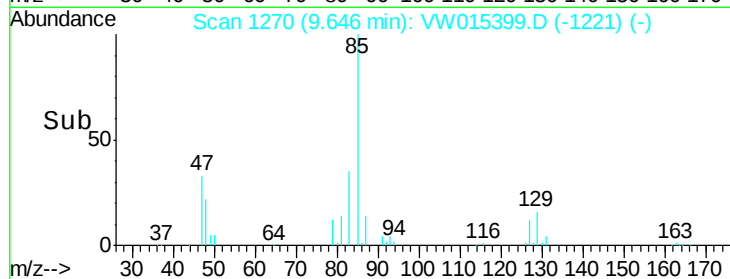
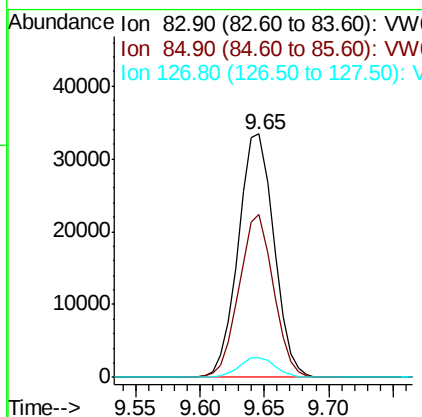
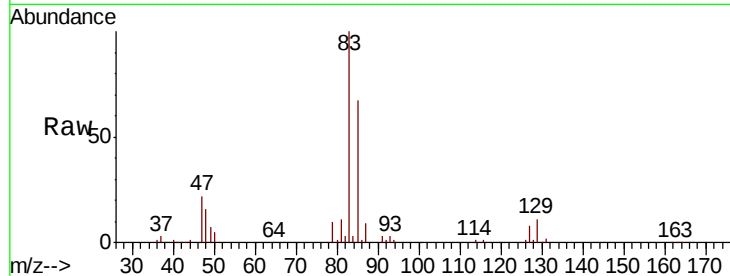




#47
 Bromodichloromethane
 Concen: 20.216 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

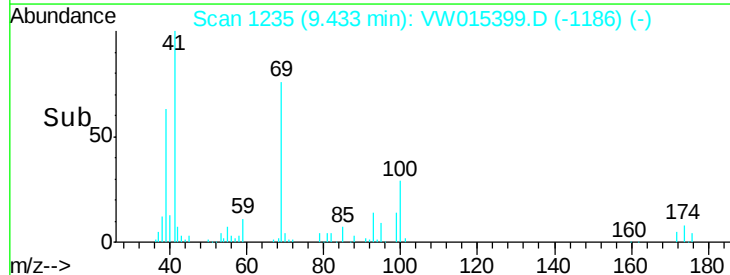
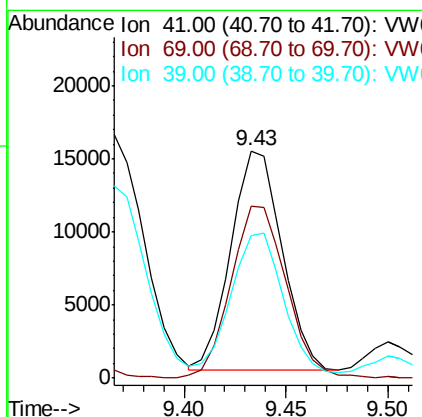
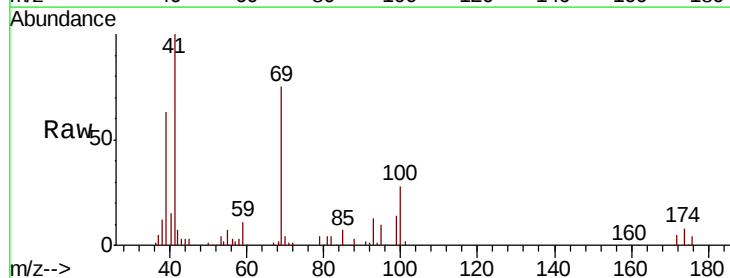
Instrument :
 MSVOA_W
 ClientSampleId :

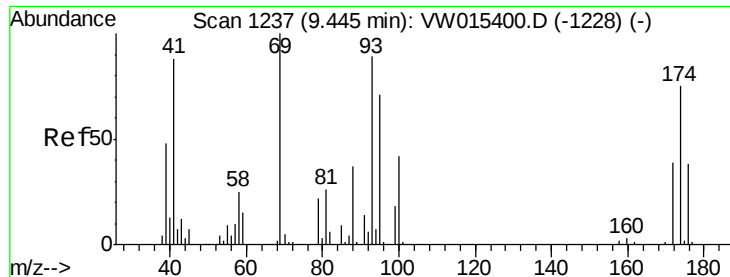
Tot Ion	83	Resp	64152
Ion Ratio	Lower	Upper	
83	100		
85	66.9	49.4	74.0
127	7.8	6.4	9.6



#48
 Methyl methacrylate
 Concen: 23.821 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	41	Resp	26192
Ion Ratio	Lower	Upper	
41	100		
69	85.0	66.2	99.4
39	63.9	51.1	76.7





#49

1,4-Dioxane

Concen: 372.214 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

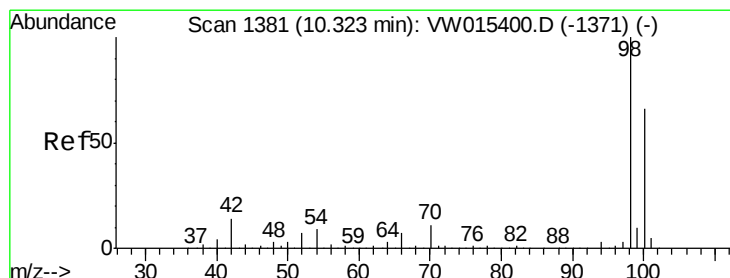
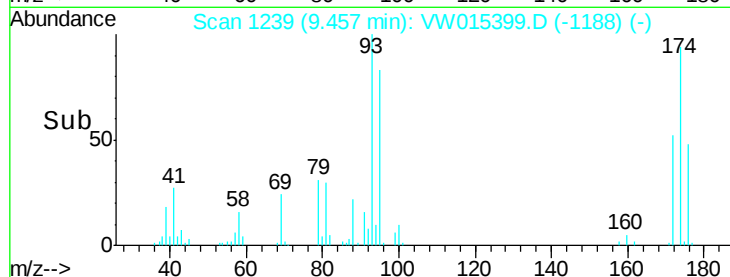
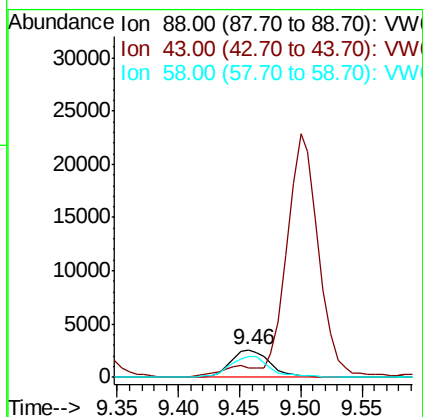
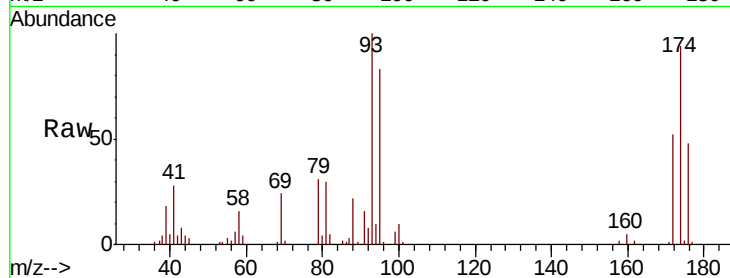
Tot Ion: 88 Resp: 5810

Ion Ratio Lower Upper

88 100

43 34.5 30.6 45.8

58 77.9 56.3 84.5



#50

Toluene-d8

Concen: 20.019 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015399.D

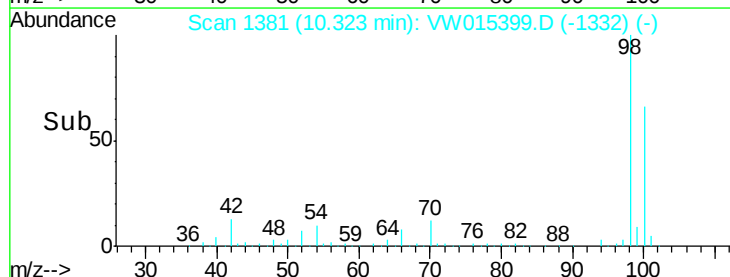
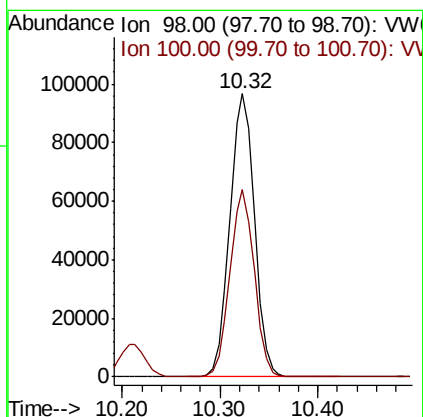
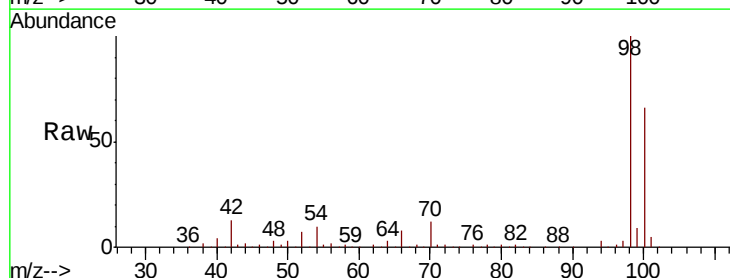
Acq: 05 May 2020 17:04

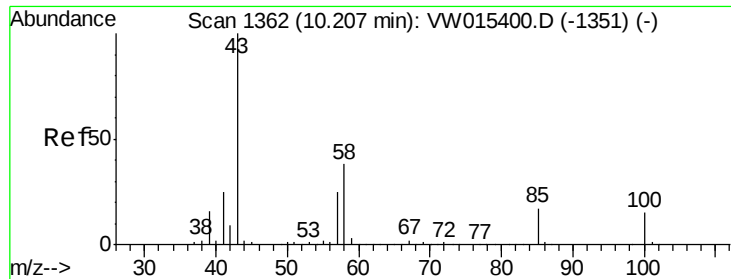
Tgt Ion: 98 Resp: 168882

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 122.255 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

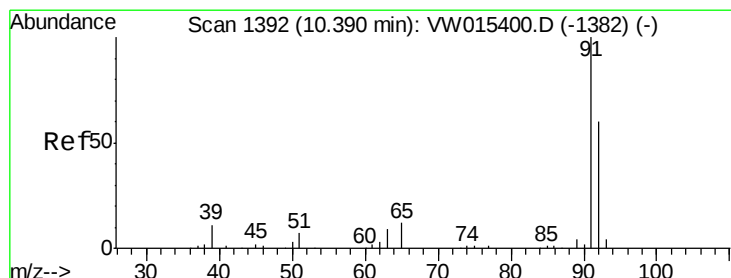
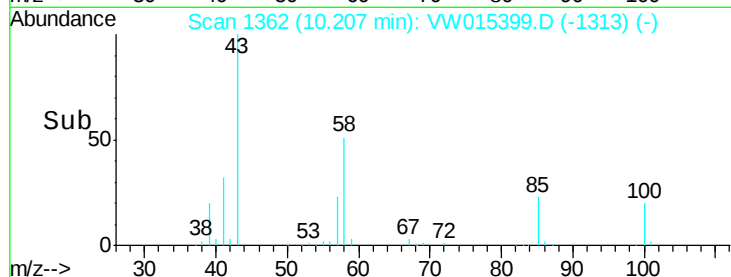
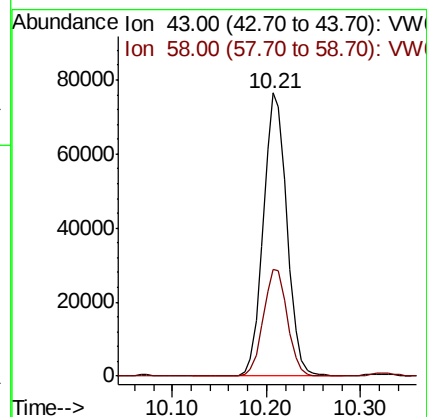
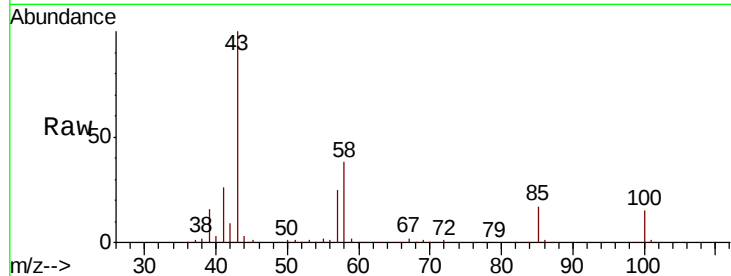
ClientSampleId :

Tot Ion: 43 Resp: 134647

Ion Ratio Lower Upper

43 100

58 38.7 30.8 46.2



#52

Toluene

Concen: 20.404 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015399.D

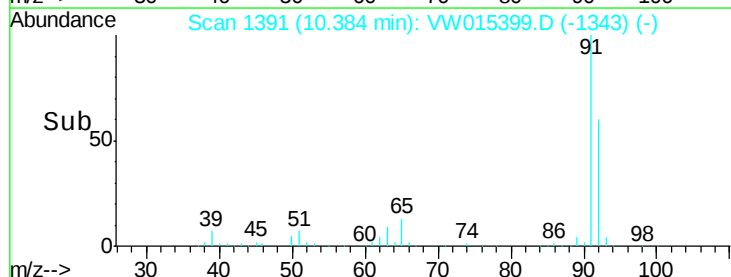
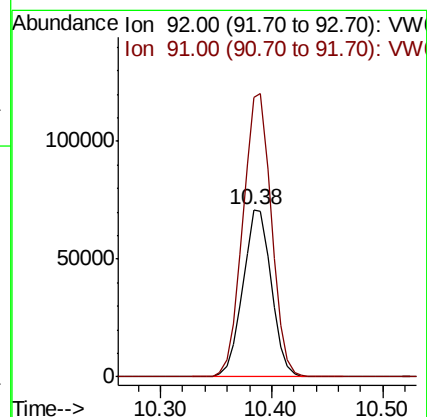
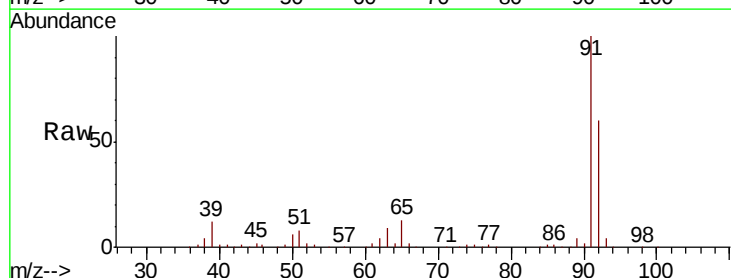
Acq: 05 May 2020 17:04

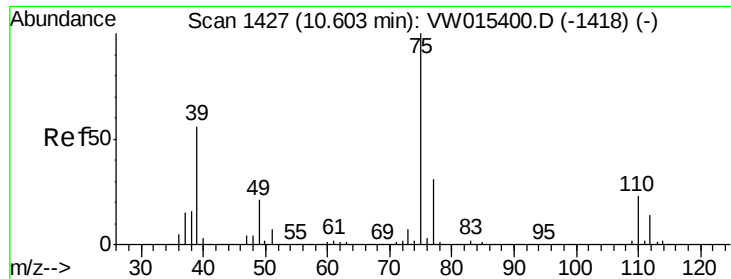
Tgt Ion: 92 Resp: 125536

Ion Ratio Lower Upper

92 100

91 170.3 135.9 203.9

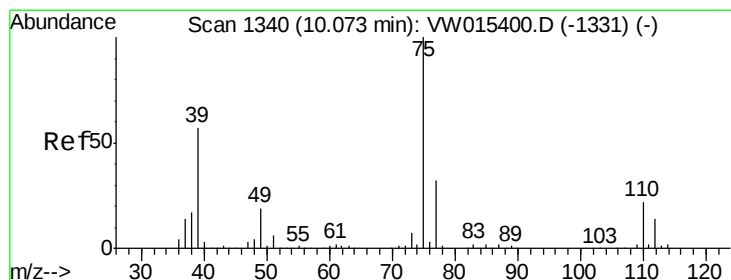
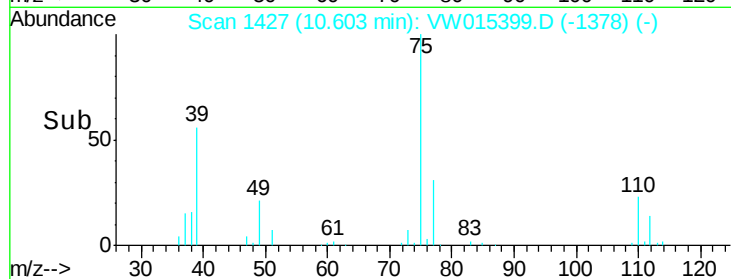
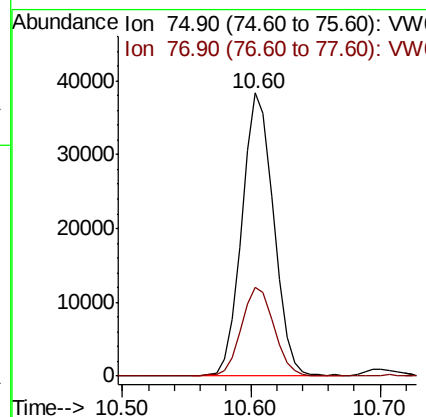
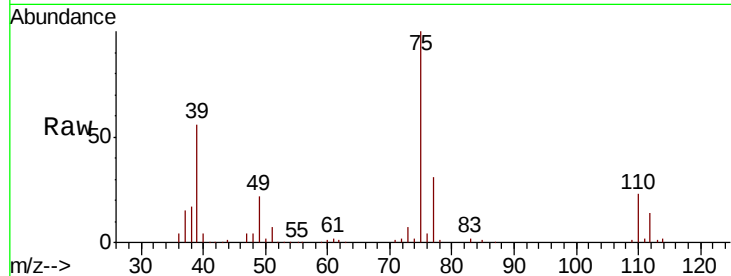




#53
 t-1,3-Dichloropropene
 Concen: 20.790 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

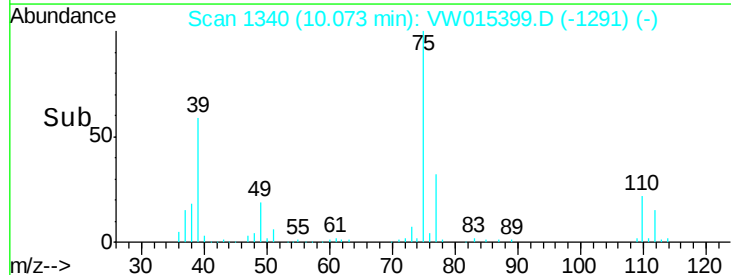
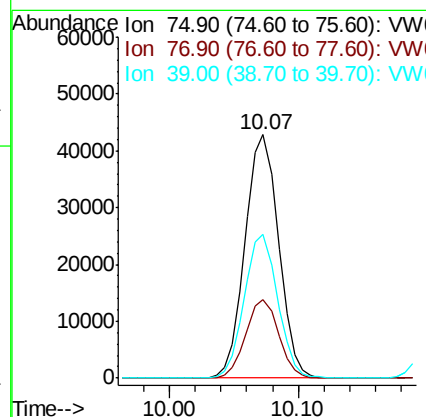
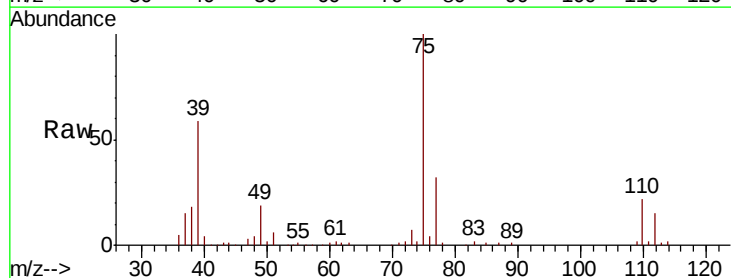
Instrument :
 MSVOA_W
 ClientSampleId :

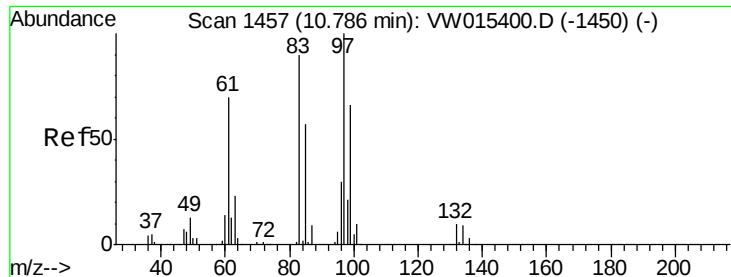
Tot Ion: 75 Resp: 65292
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 21.017 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion: 75 Resp: 76944
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4
 39 58.9 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 19.931 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 33015

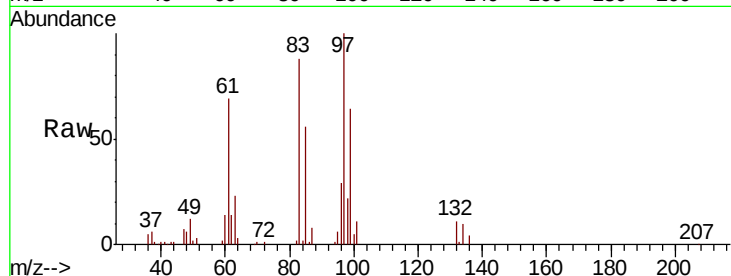
Ion	Ratio	Lower	Upper
97	100		
83	88.3	72.2	108.4
85	56.5	45.2	67.8
99	64.5	52.6	78.8

97 100

83 88.3 72.2 108.4

85 56.5 45.2 67.8

99 64.5 52.6 78.8



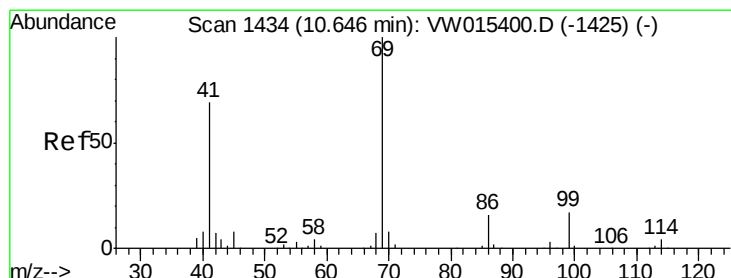
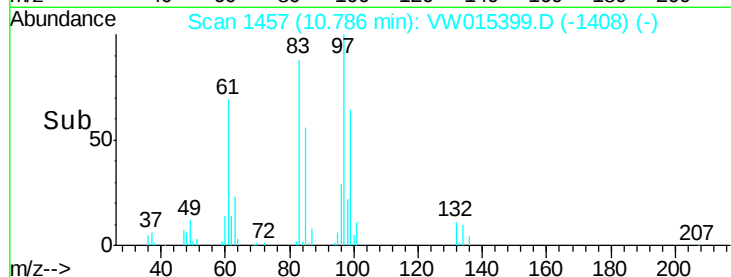
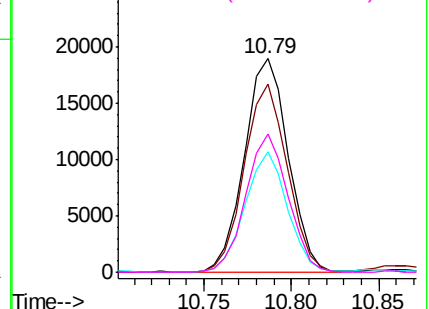
Abundance

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



#56

Ethyl methacrylate

Concen: 20.938 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

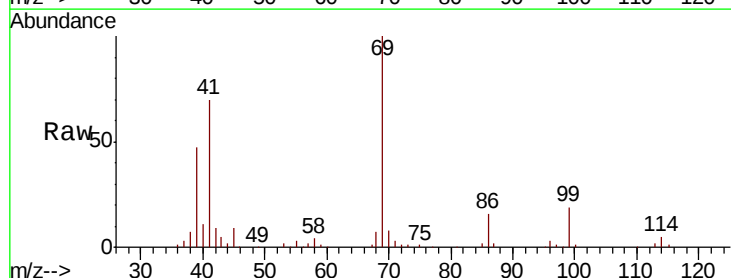
Tgt Ion: 69 Resp: 45224

Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	41.2	31.9	47.9

69 100

41 70.3 55.3 82.9

39 41.2 31.9 47.9

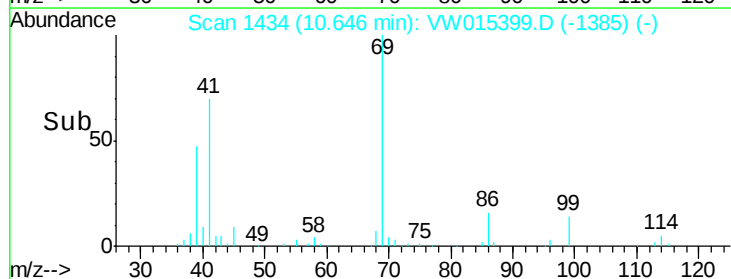
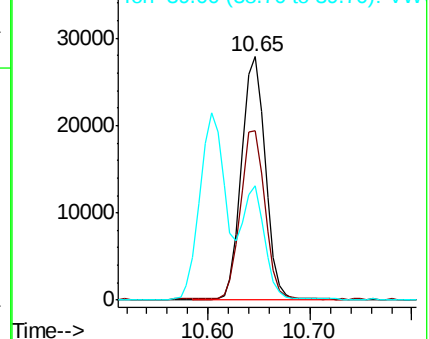


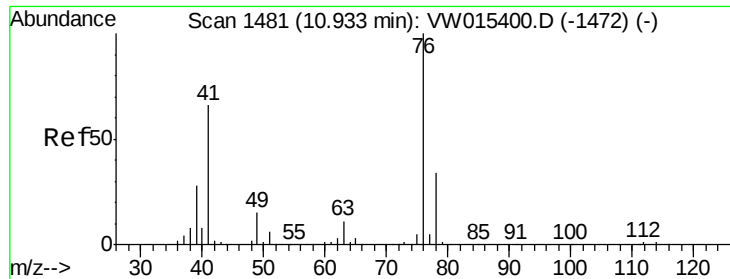
Abundance

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

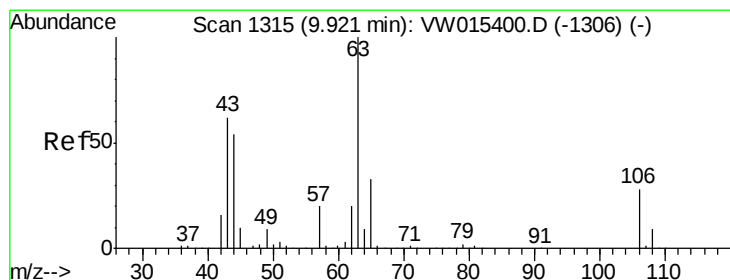
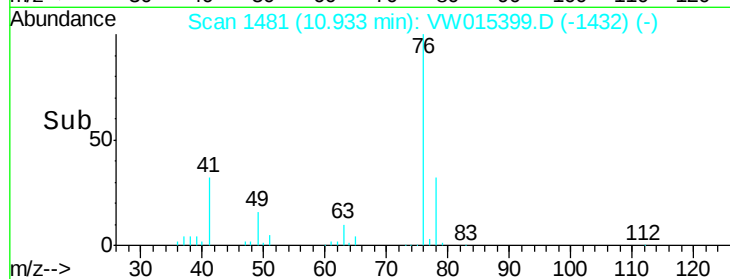
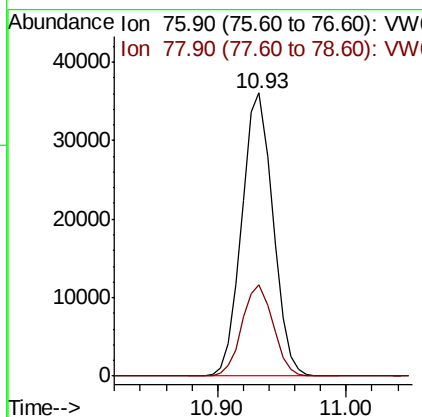
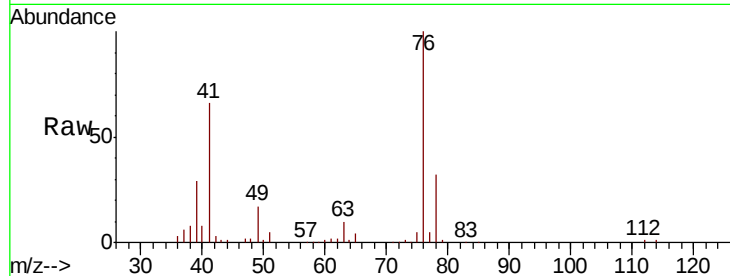




#57
 1,3-Dichloropropane
 Concen: 21.720 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

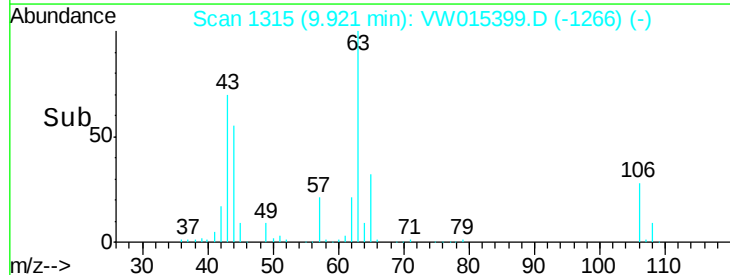
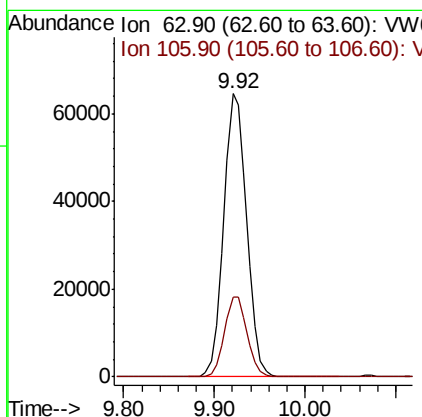
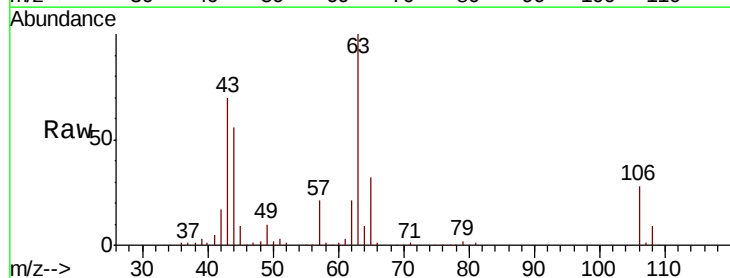
Instrument :
 MSVOA_W
 ClientSampled :

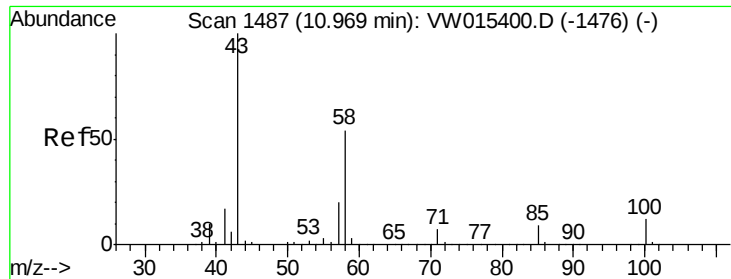
Tot Ion: 76 Resp: 60347
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.972 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion: 63 Resp: 113548
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8

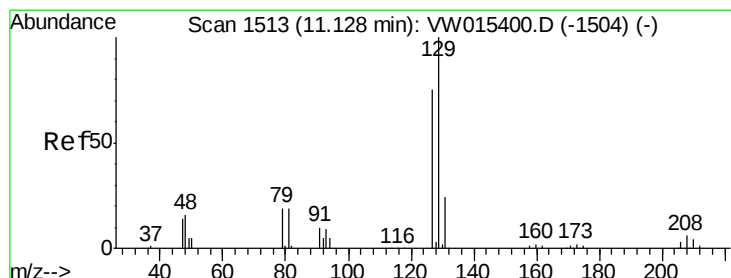
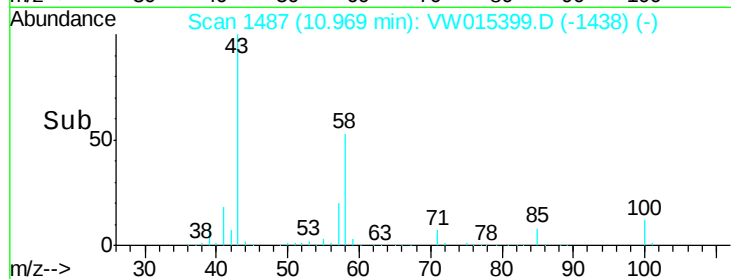
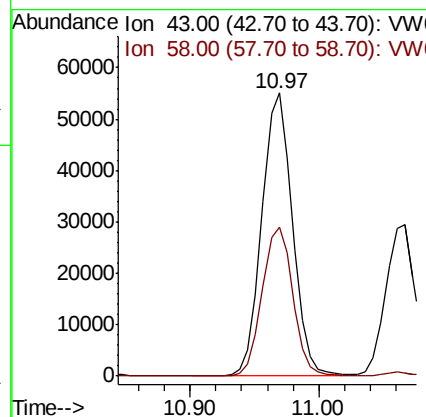
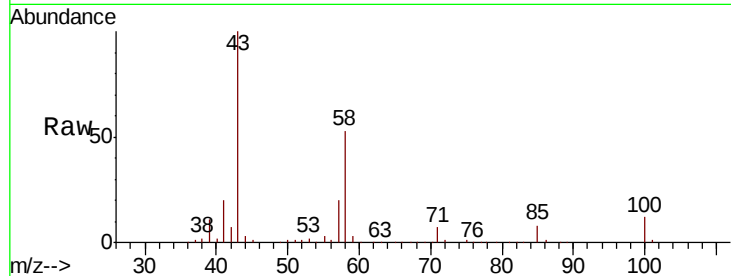




#59
2-Hexanone
Concen: 116.498 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

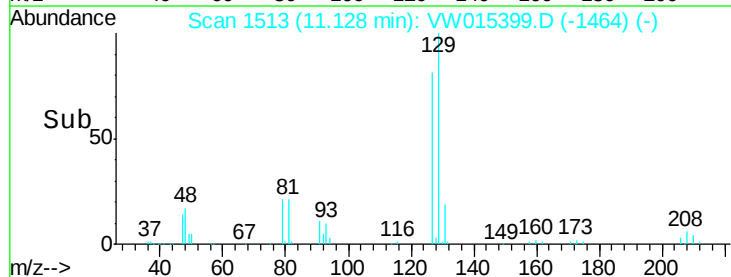
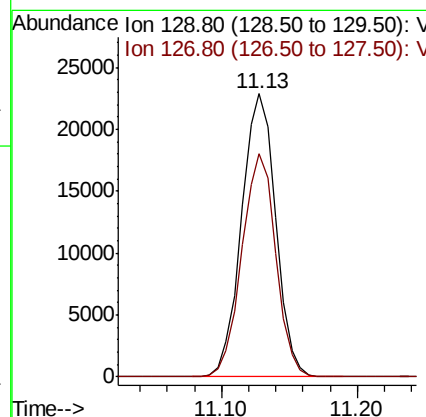
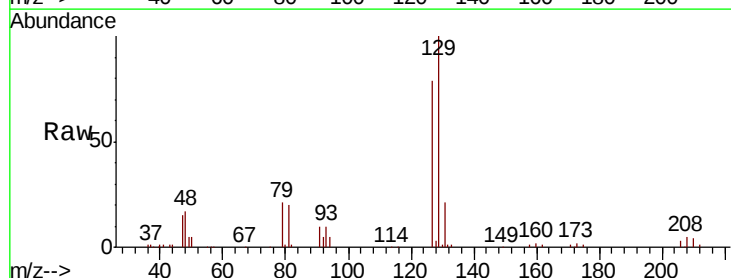
Instrument :
MSVOA_W
ClientSampleId :

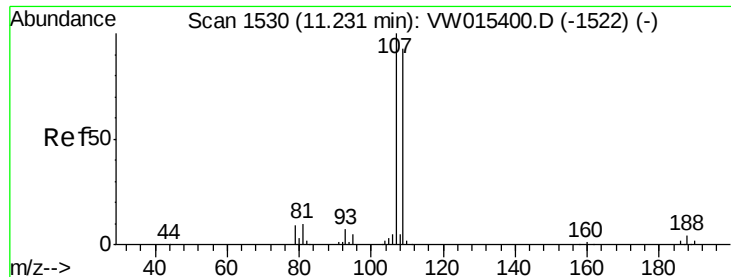
Tot Ion: 43 Resp: 90624
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.0



#60
Dibromochloromethane
Concen: 18.626 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 129 Resp: 40152
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.711 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

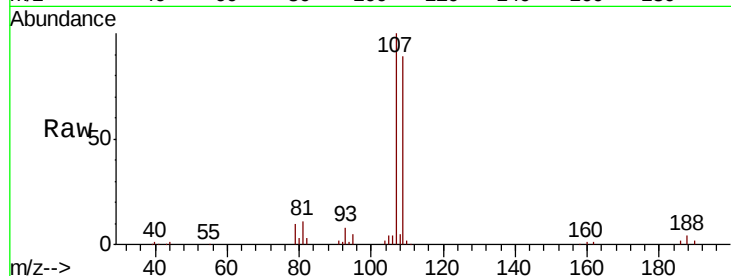
ClientSampleId :

Tot Ion:107 Resp: 31733

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

15000

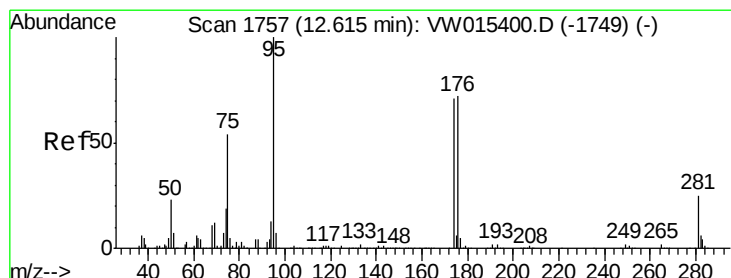
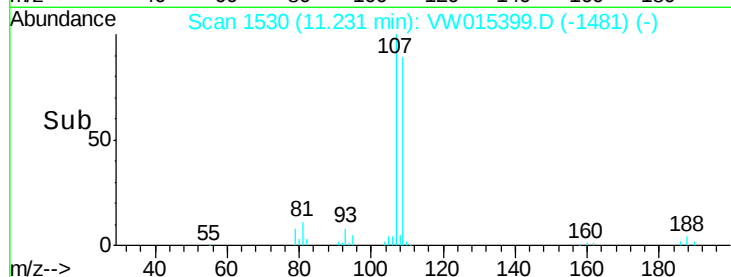
10000

5000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 19.285 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

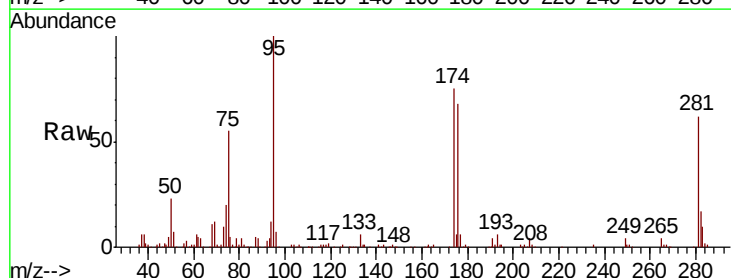
Tgt Ion: 95 Resp: 61723

Ion Ratio Lower Upper

95 100

174 74.8 0.0 147.6

176 69.5 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

30000

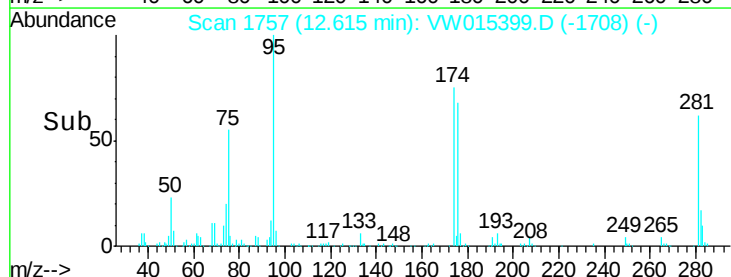
20000

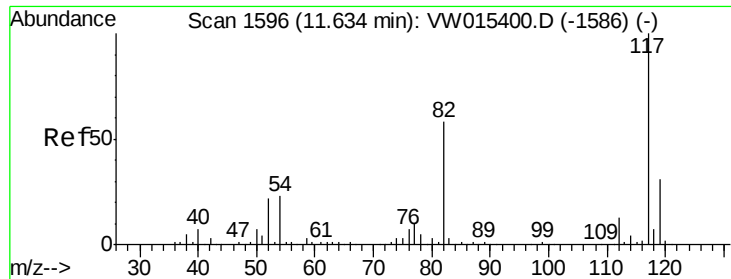
10000

0

Time-->

12.60 12.70

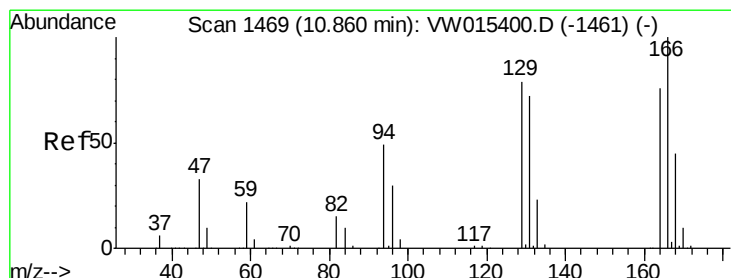
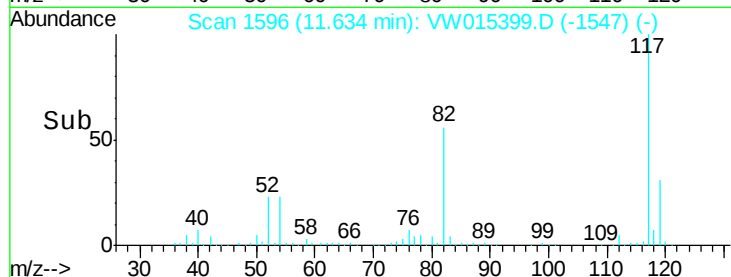
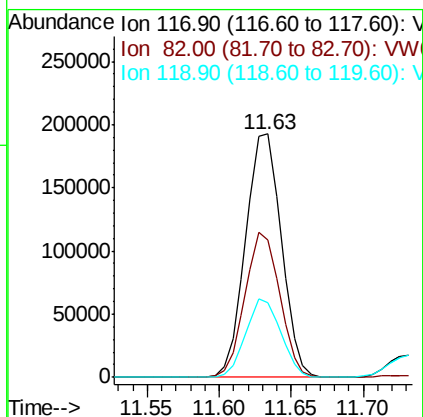
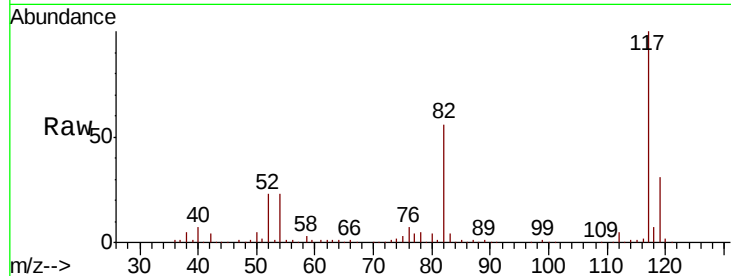




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

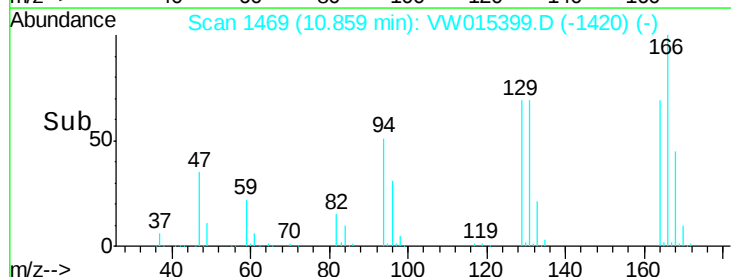
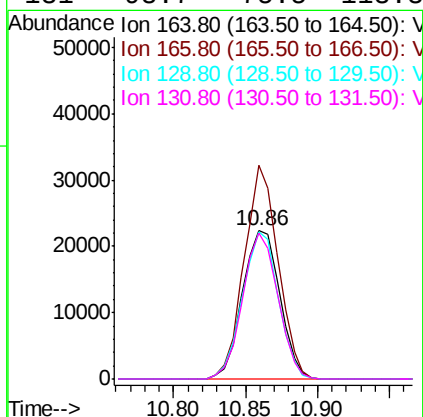
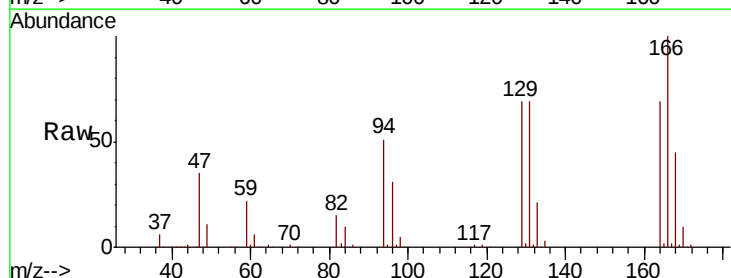
Instrument :
MSVOA_W
ClientSampled :

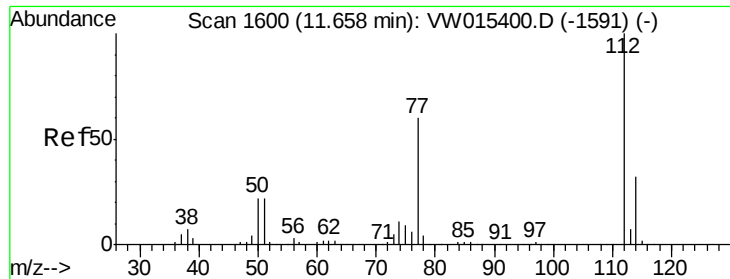
Tot Ion:117 Resp: 332290
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 30.7 24.6 37.0



#64
Tetrachloroethene
Concen: 17.155 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion:164 Resp: 40149
Ion Ratio Lower Upper
164 100
166 144.0 104.9 157.3
129 99.7 82.7 124.1
131 98.7 75.5 113.3

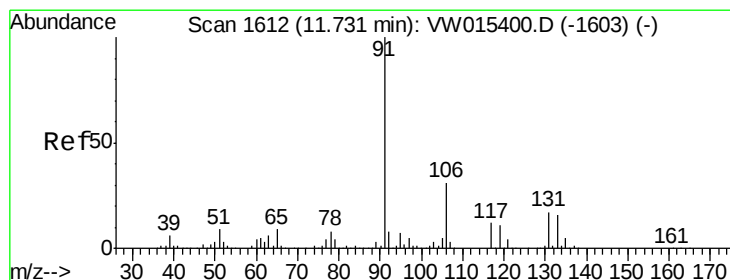
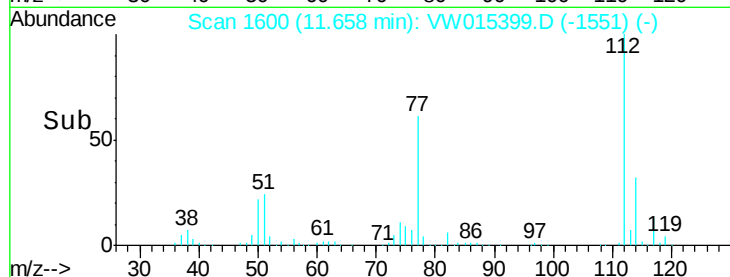
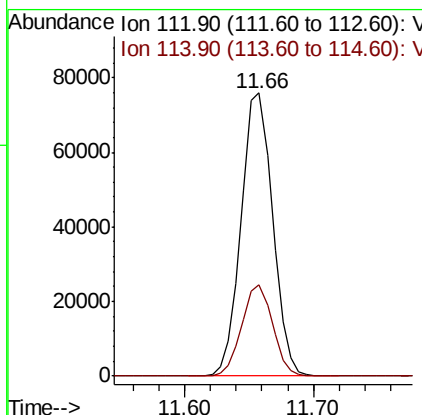
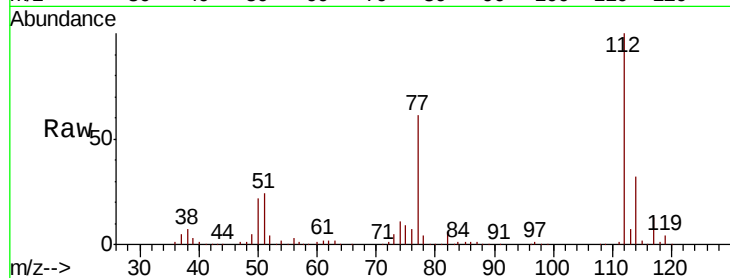




#65
Chlorobenzene
Concen: 19.553 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

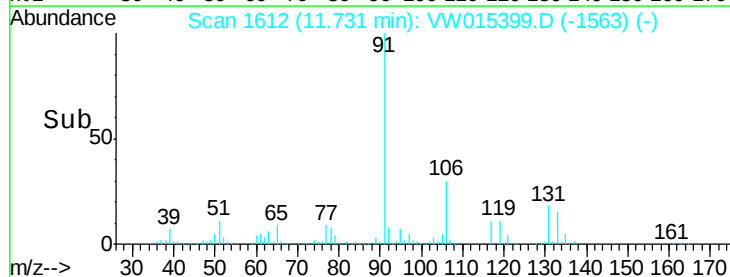
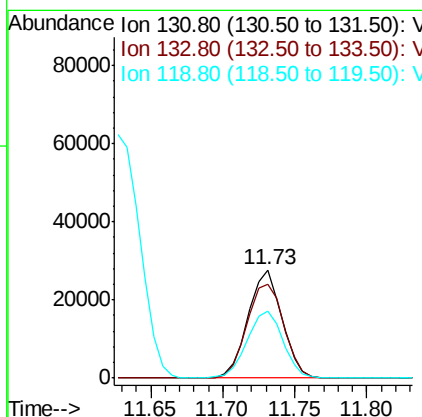
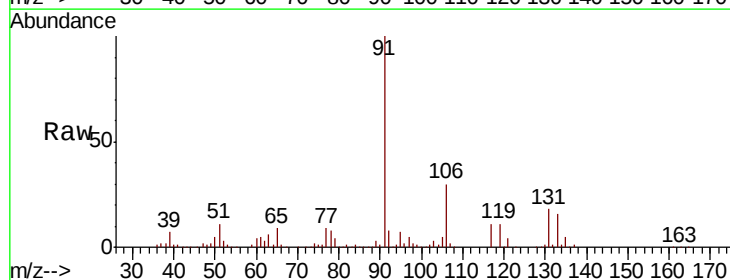
Instrument :
MSVOA_W
ClientSampleId :

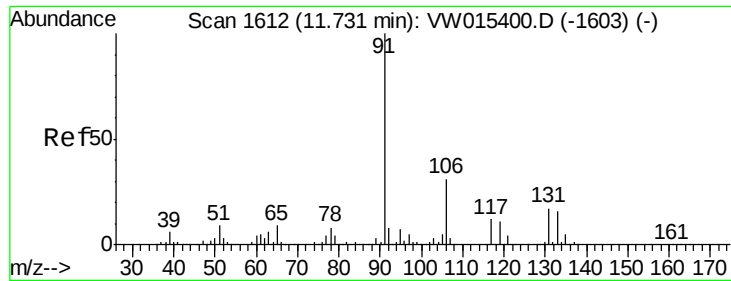
Tot Ion:112 Resp: 128387
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.170 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion:131 Resp: 45169
Ion Ratio Lower Upper
131 100
133 93.9 47.9 143.8
119 64.9 33.0 99.0

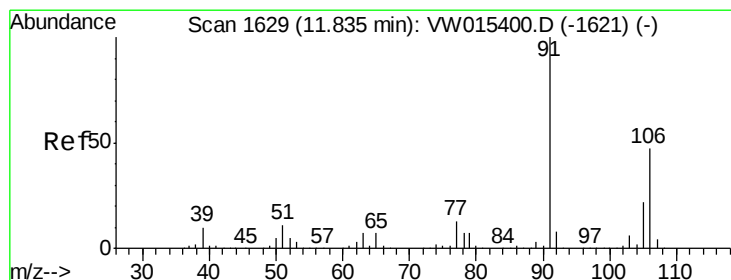
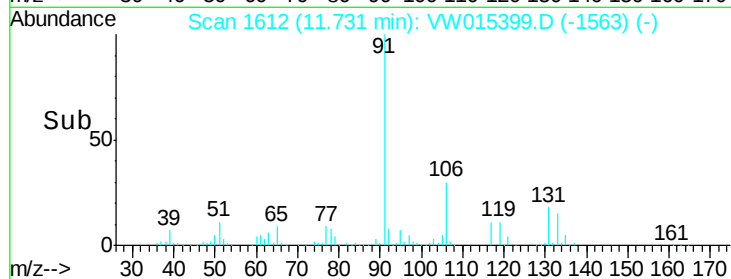
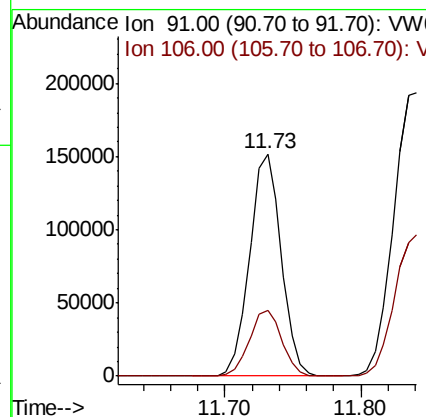
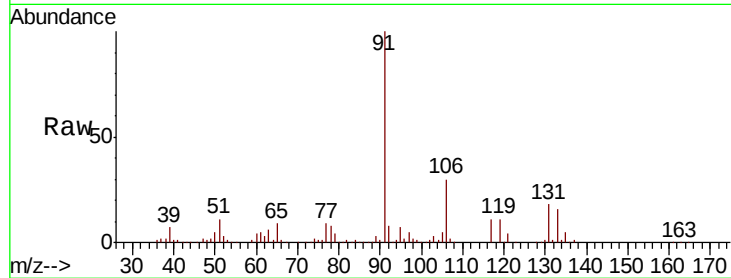




#67
Ethyl Benzene
Concen: 20.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

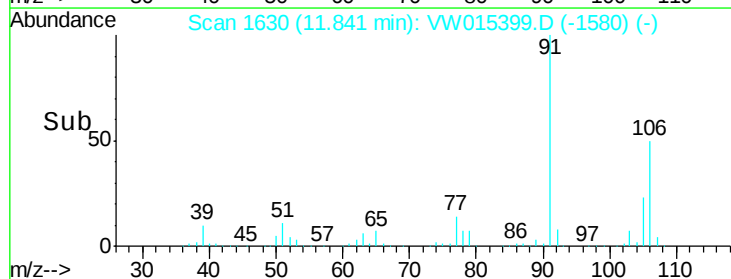
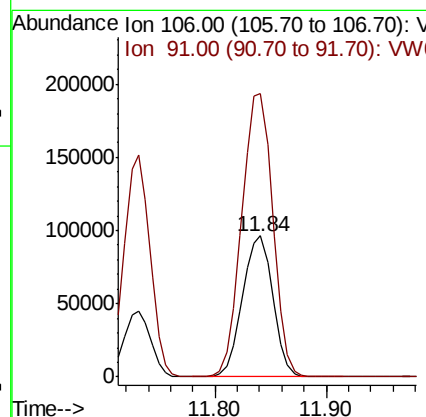
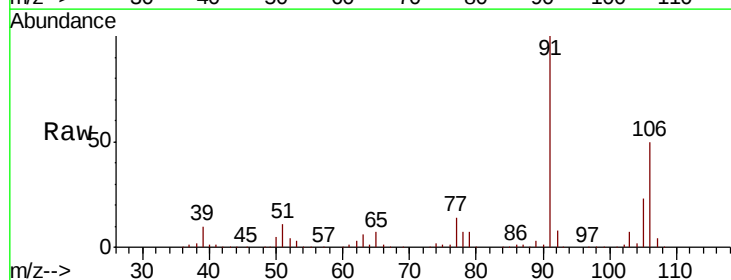
Instrument :
MSVOA_W
ClientSampleId :

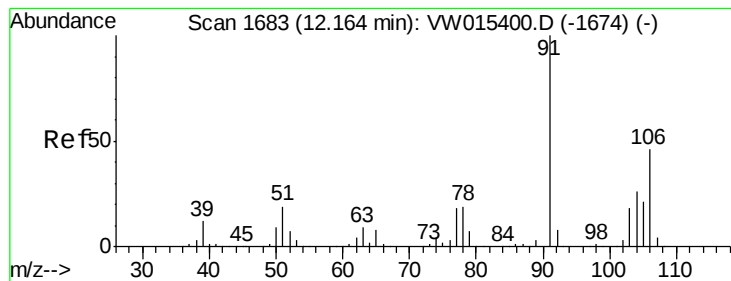
Tot Ion: 91 Resp: 246629
Ion Ratio Lower Upper
91 100
106 29.8 25.2 37.8



#68
m/p-Xylenes
Concen: 38.275 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion:106 Resp: 182536
Ion Ratio Lower Upper
106 100
91 205.2 165.7 248.5





#69

o-Xylene

Concen: 18.932 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

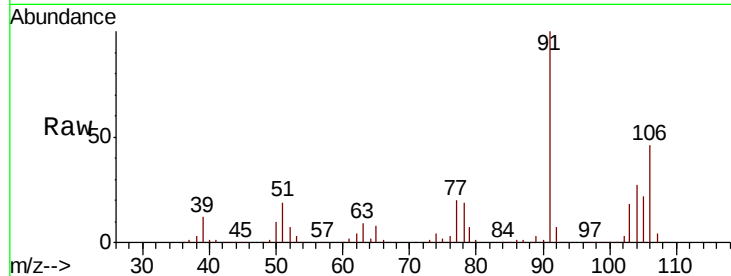
ClientSampleId :

Tot Ion:106 Resp: 84575

Ion Ratio Lower Upper

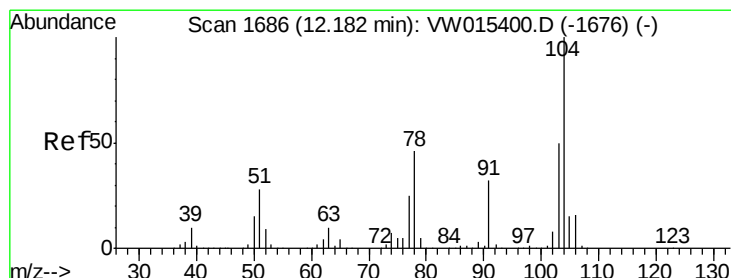
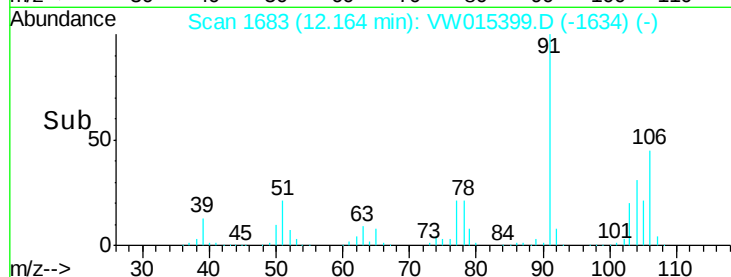
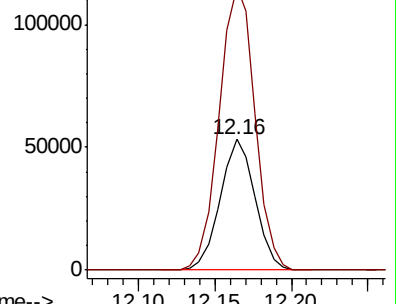
106 100

91 221.2 109.0 327.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#70

Styrene

Concen: 19.150 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

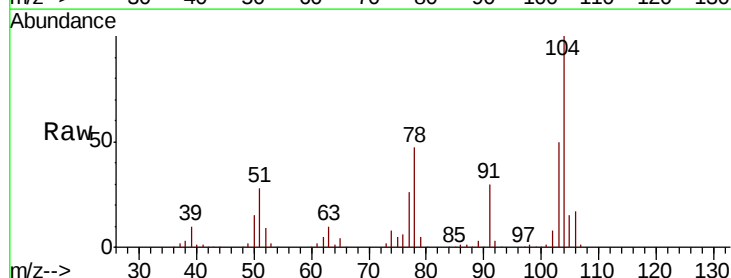
Tgt Ion:104 Resp: 146053

Ion Ratio Lower Upper

104 100

78 53.3 41.8 62.8

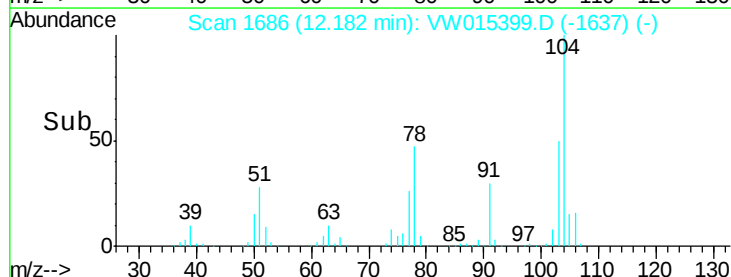
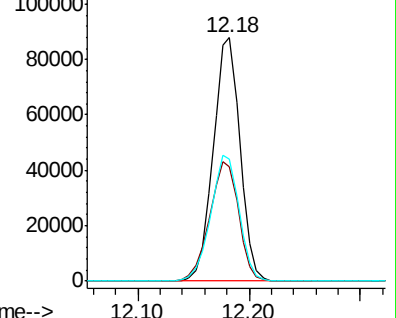
103 54.8 43.6 65.4

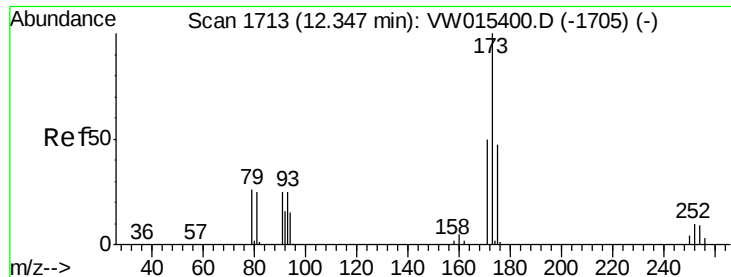


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.440 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

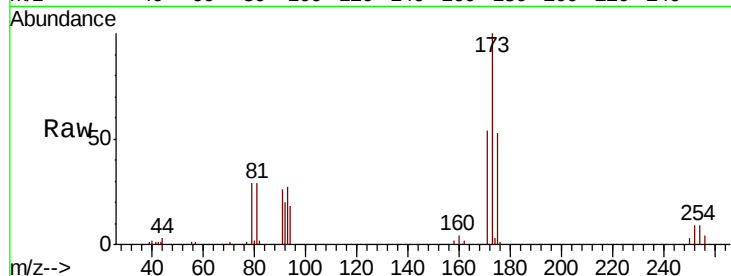
Tot Ion:173 Resp: 21486

Ion Ratio Lower Upper

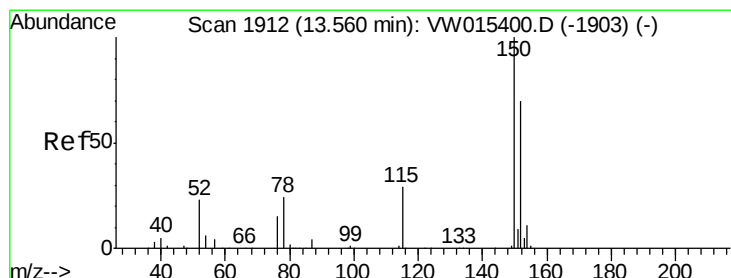
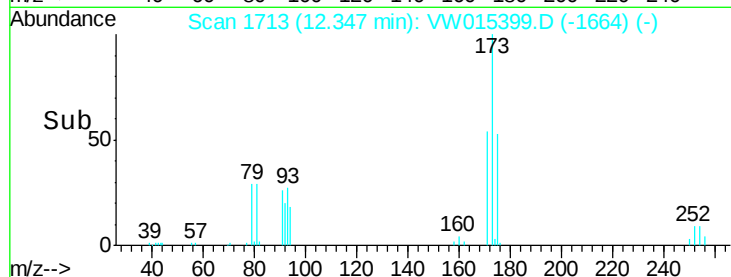
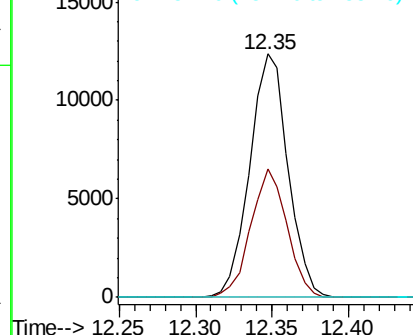
173 100

175 49.8 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

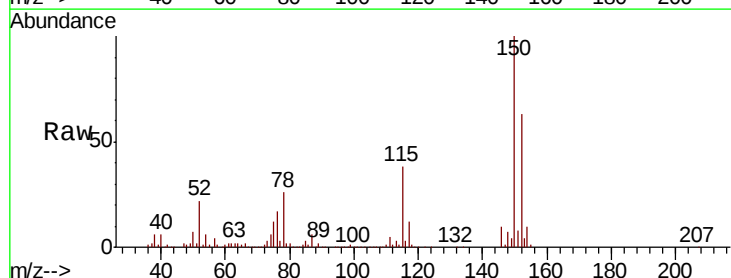
Tgt Ion:152 Resp: 166721

Ion Ratio Lower Upper

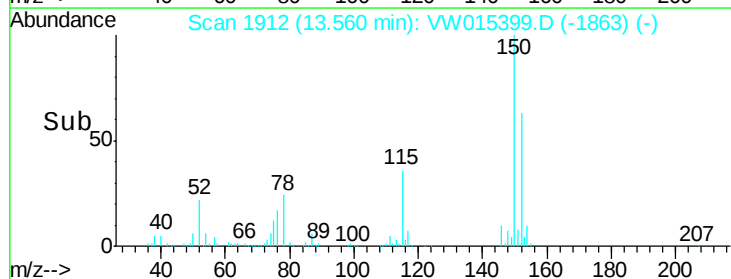
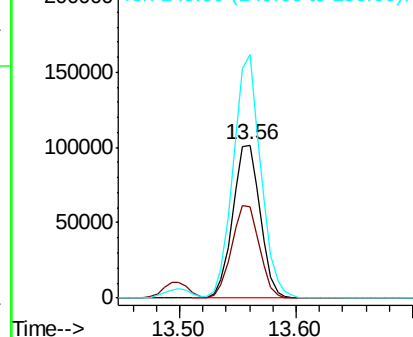
152 100

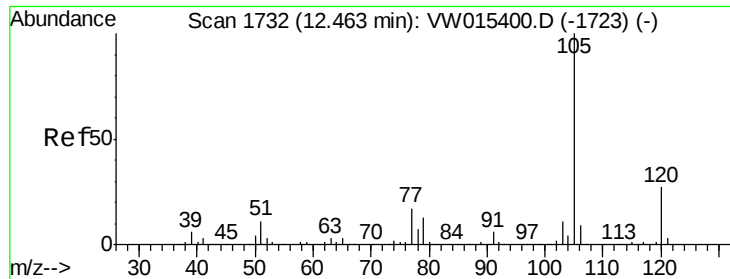
115 60.9 30.3 90.8

150 159.0 0.0 344.4



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





#73

Isopropylbenzene

Concen: 20.302 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

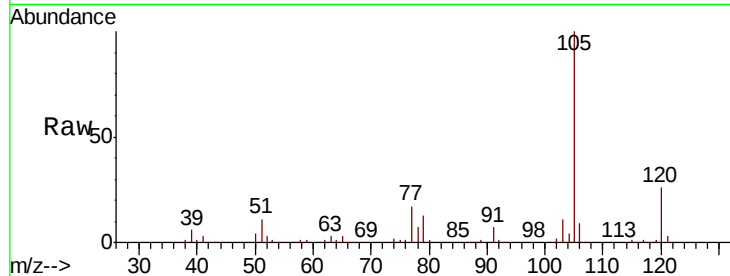
ClientSampleId :

Tot Ion:105 Resp: 239714

Ion Ratio Lower Upper

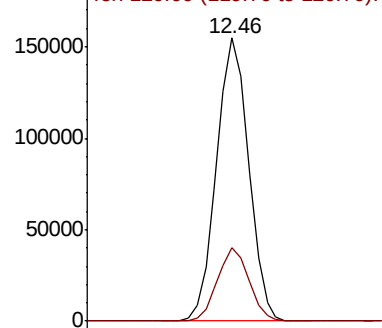
105 100

120 25.2 13.1 39.3

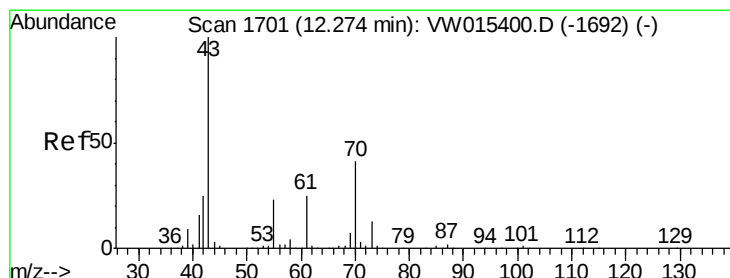
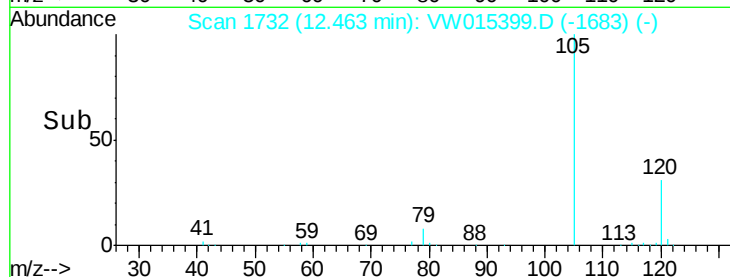


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 25.993 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion: 43 Resp: 56352

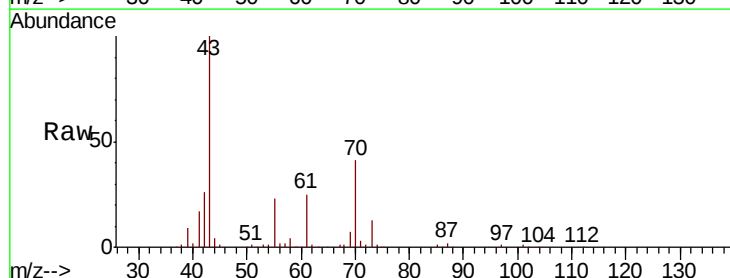
Ion Ratio Lower Upper

43 100

70 40.0 33.4 50.0

55 22.9 18.9 28.3

61 22.9 19.4 29.0

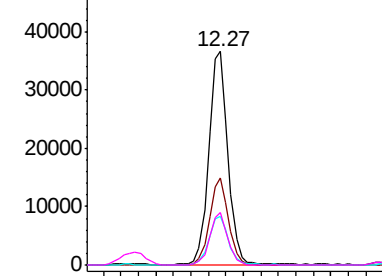


Abundance Ion 43.00 (42.70 to 43.70): VV

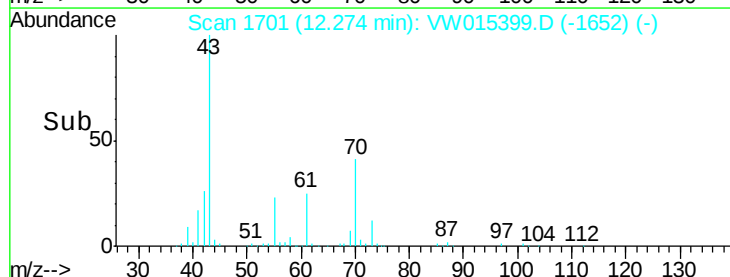
Ion 70.00 (69.70 to 70.70): VV

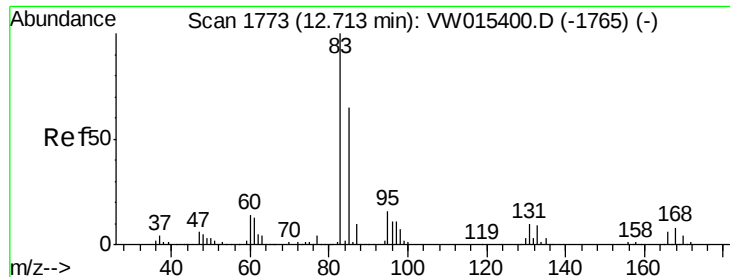
Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.794 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

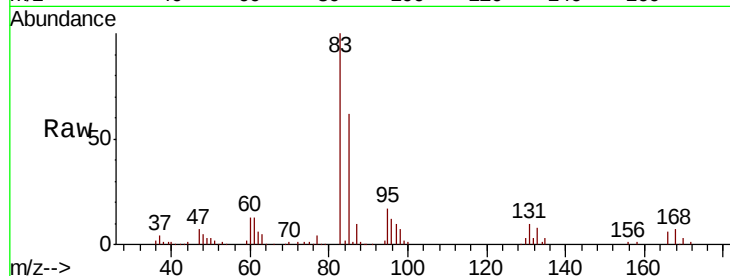
Tot Ion: 83 Resp: 37347

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.2

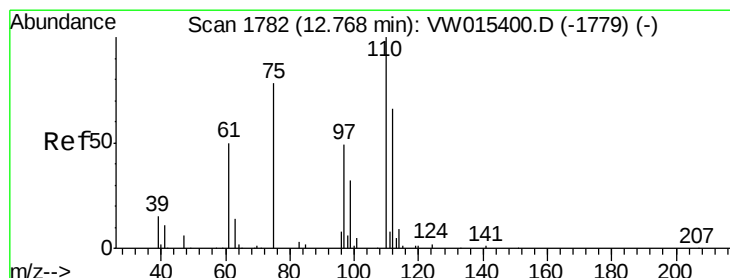
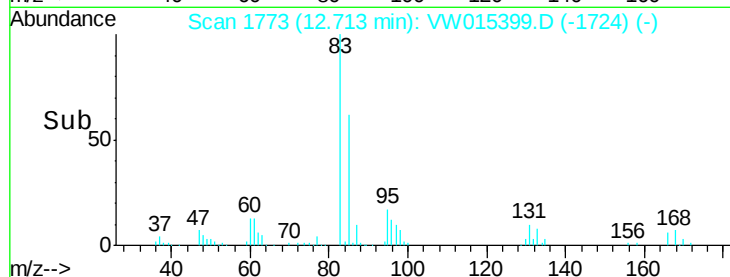
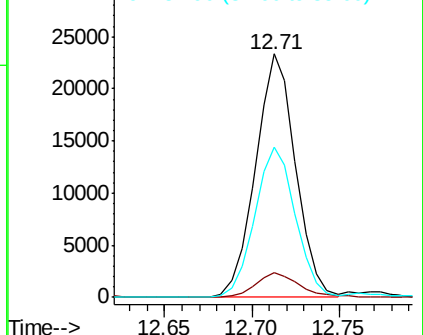
85 62.7 32.2 96.6



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: 37.943 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015399.D

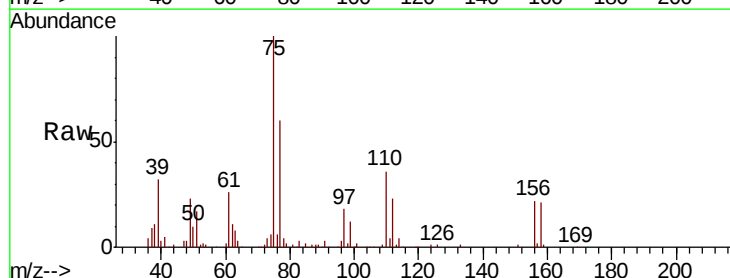
Acq: 05 May 2020 17:04

Tgt Ion: 75 Resp: 51208

Ion Ratio Lower Upper

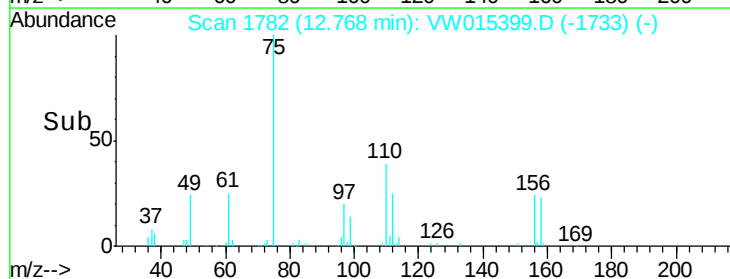
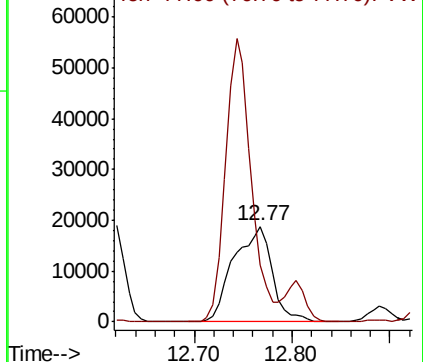
75 100

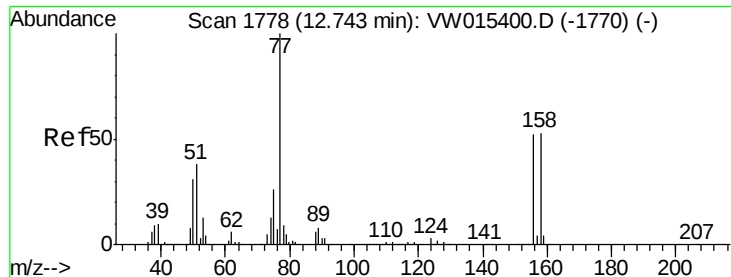
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.035 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

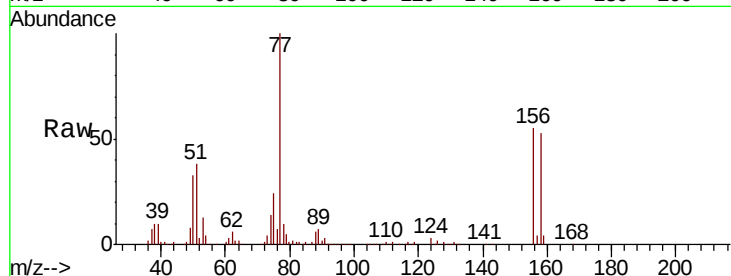
Tot Ion:156 Resp: 50658

Ion Ratio Lower Upper

156 100

77 201.2 101.8 305.6

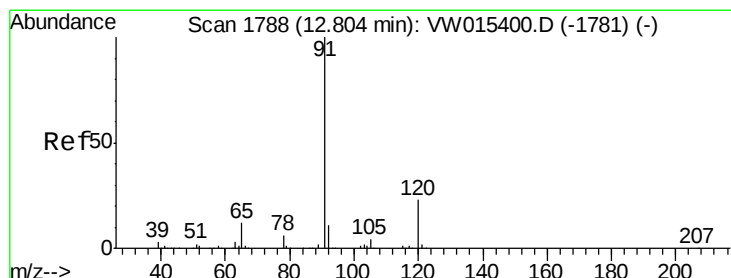
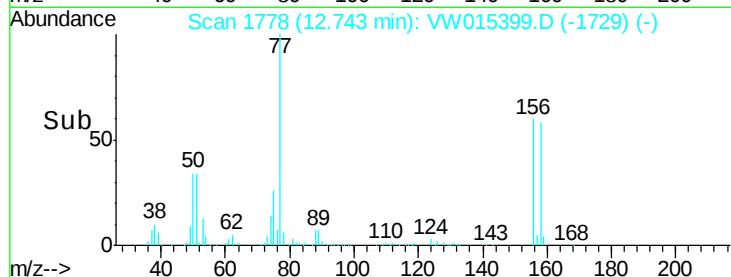
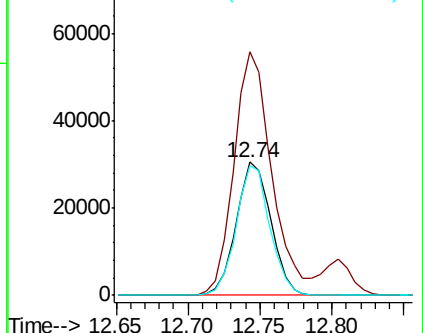
158 95.1 48.3 144.8



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: 20.921 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015399.D

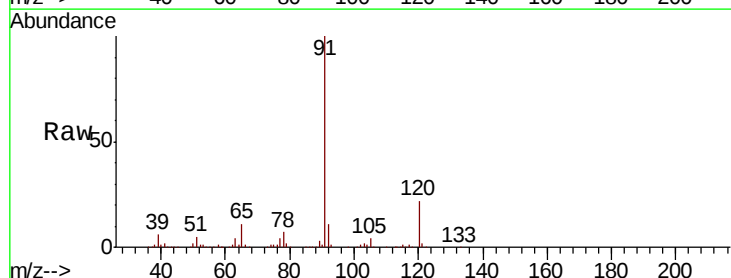
Acq: 05 May 2020 17:04

Tgt Ion: 91 Resp: 288769

Ion Ratio Lower Upper

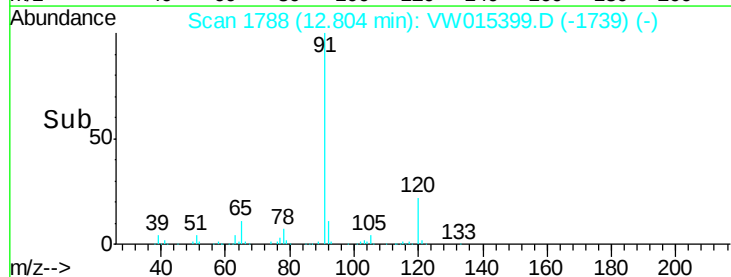
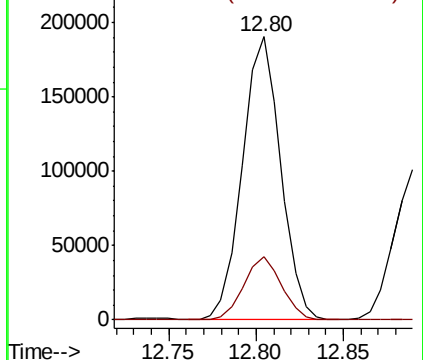
91 100

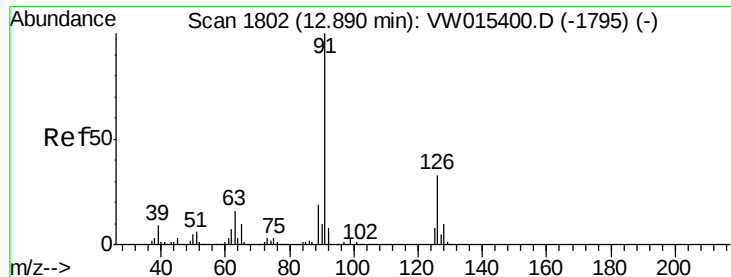
120 22.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.750 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

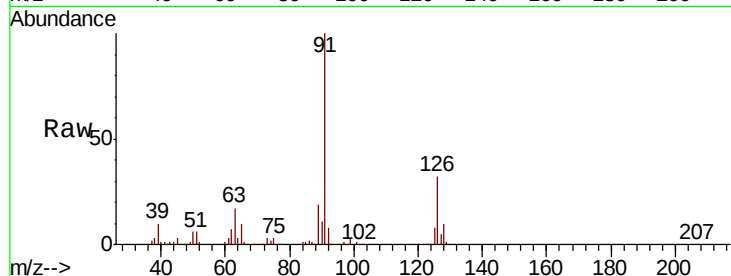
ClientSampleId :

Tot Ion: 91 Resp: 161379

Ion Ratio Lower Upper

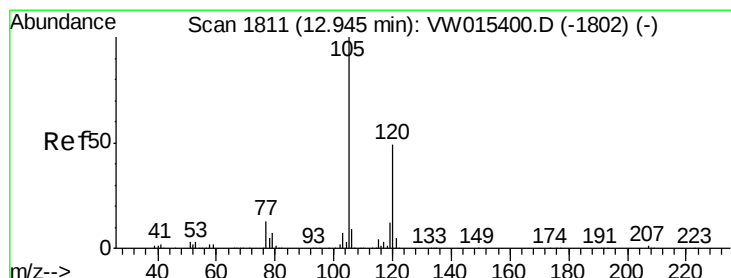
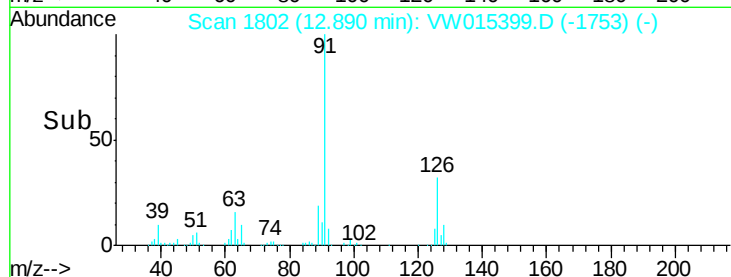
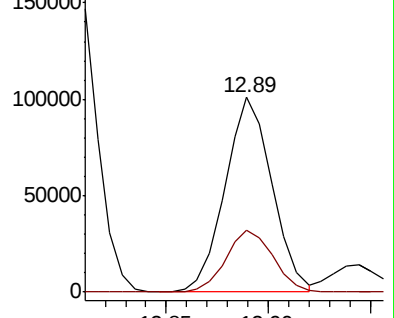
91 100

126 32.2 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: 19.919 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015399.D

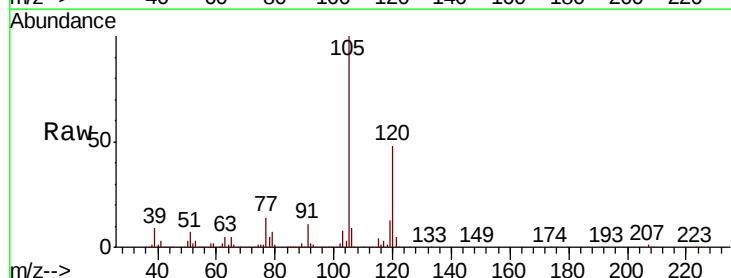
Acq: 05 May 2020 17:04

Tgt Ion:105 Resp: 201735

Ion Ratio Lower Upper

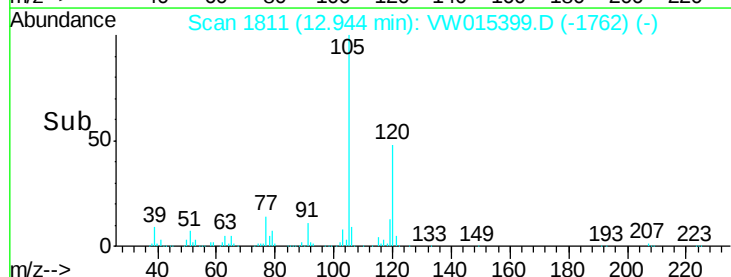
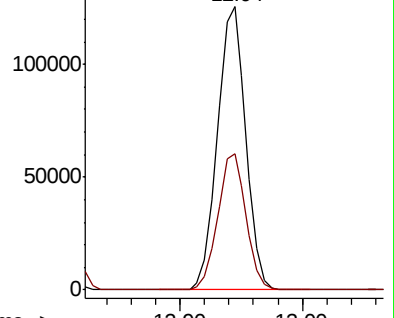
105 100

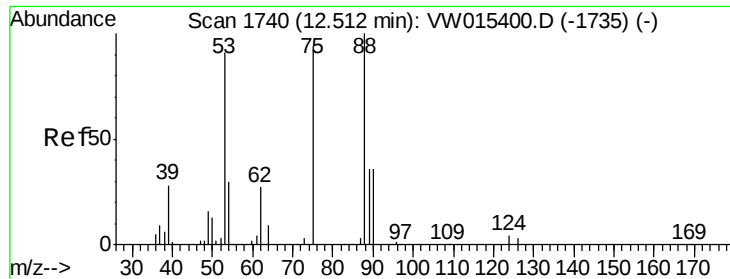
120 47.8 24.2 72.6



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: 21.025 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

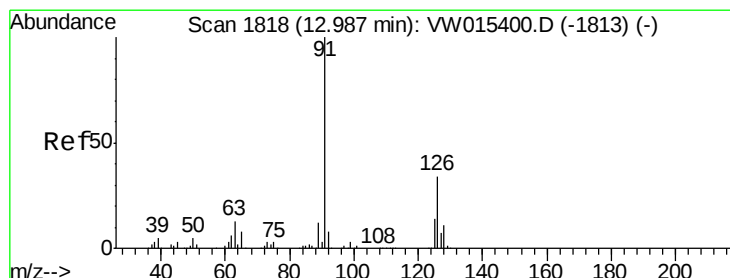
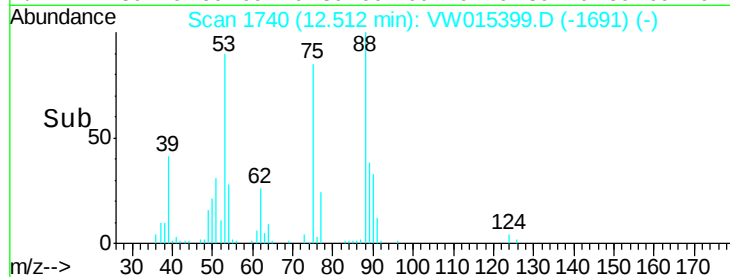
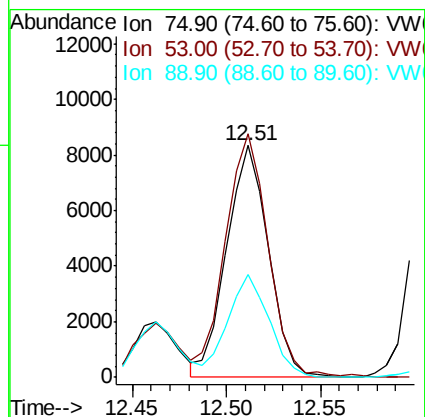
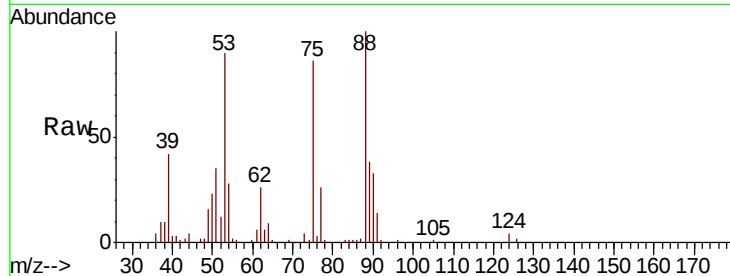
Tot Ion: 75 Resp: 12846

Ion Ratio Lower Upper

75 100

53 108.1 82.5 123.7

89 43.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.774 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015399.D

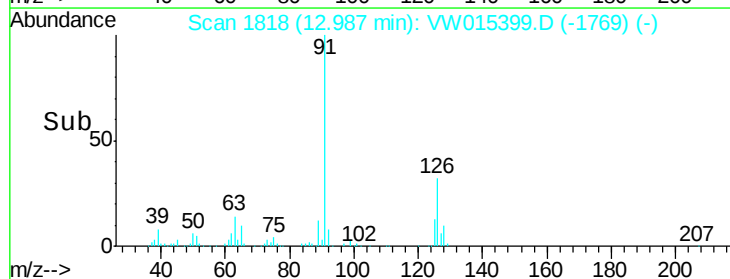
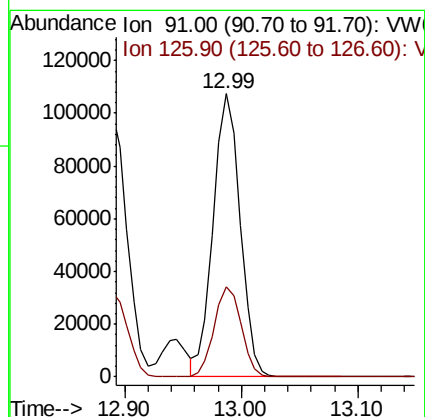
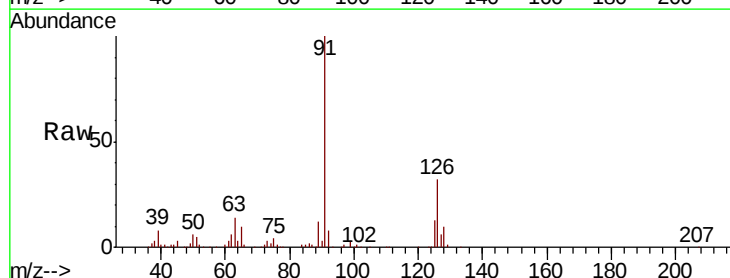
Acq: 05 May 2020 17:04

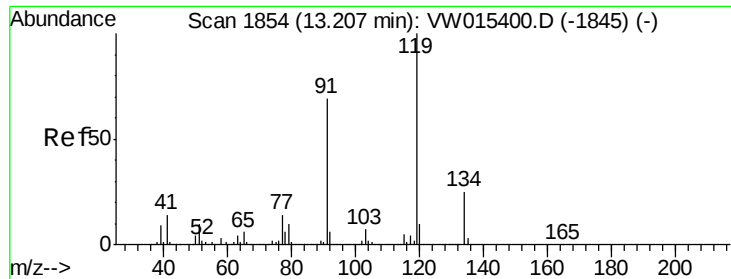
Tgt Ion: 91 Resp: 171348

Ion Ratio Lower Upper

91 100

126 32.3 16.0 47.9

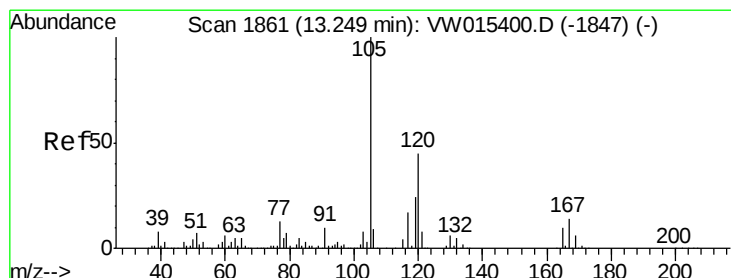
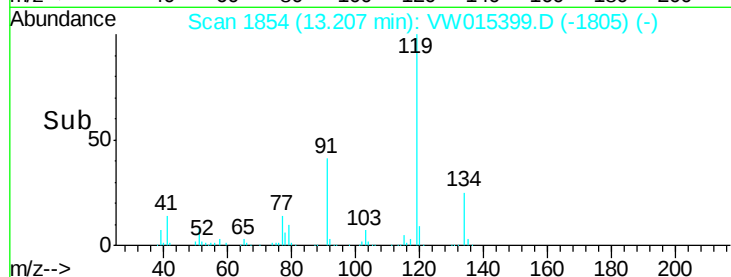
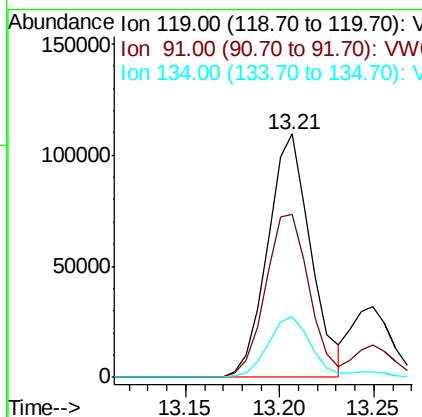
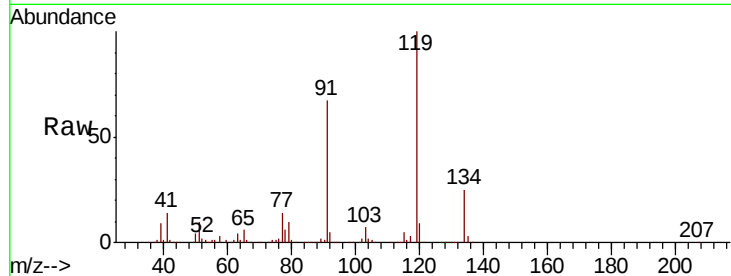




#83
 tert-Butylbenzene
 Concen: 19.631 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

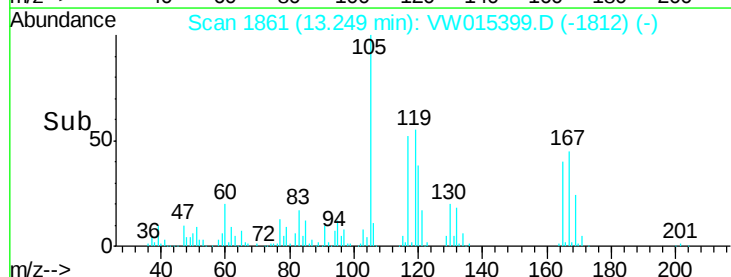
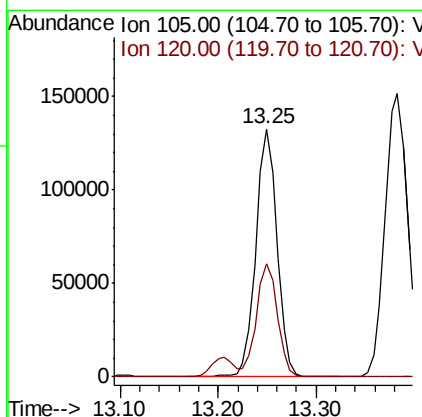
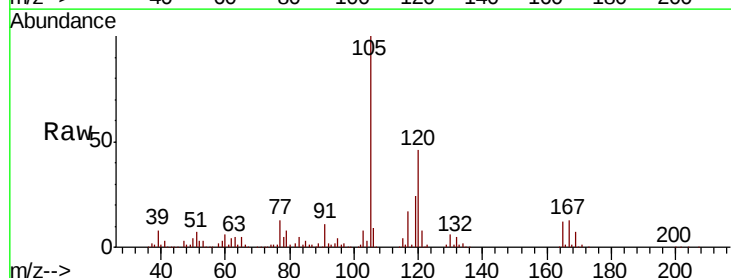
Instrument :
 MSVOA_W
 ClientSampleID :

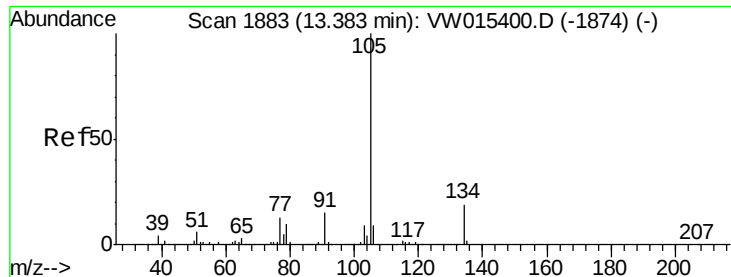
Tot Ion:119 Resp: 173331
 Ion Ratio Lower Upper
 119 100
 91 68.0 33.8 101.4
 134 25.1 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.950 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion:105 Resp: 199852
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 19.826 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

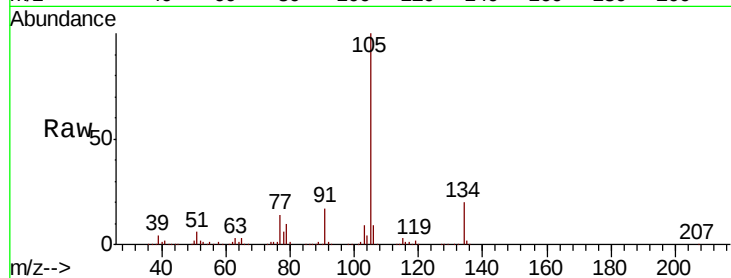
ClientSampleId :

Tot Ion:105 Resp: 242631

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

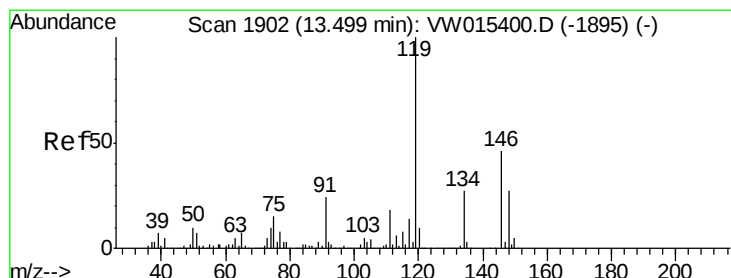
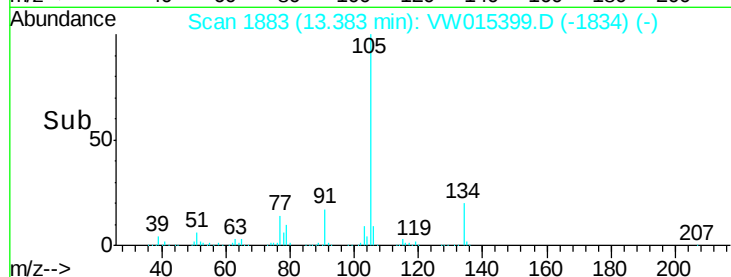
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.553 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

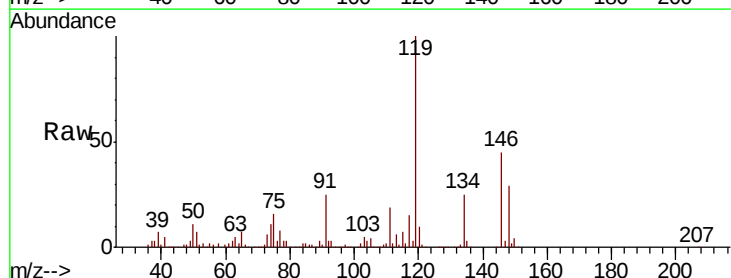
Tgt Ion:119 Resp: 221131

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.9 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

13.50

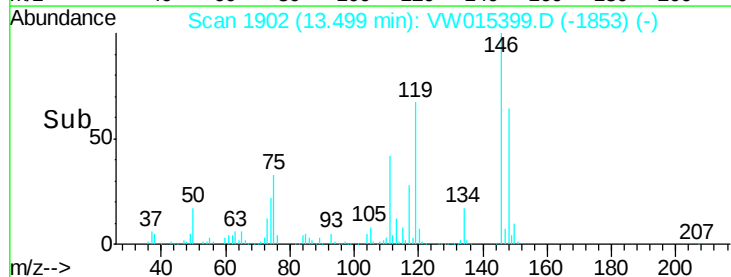
150000

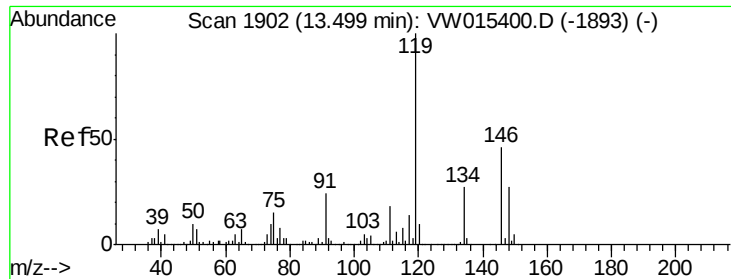
100000

50000

0

Time-->

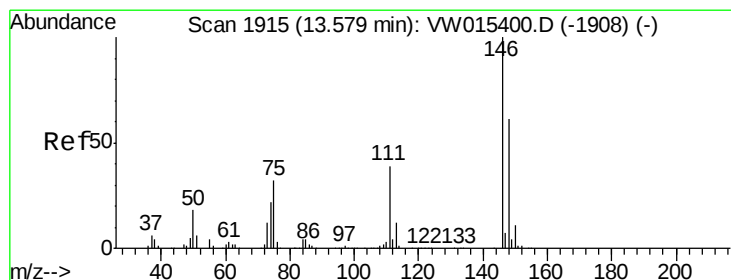
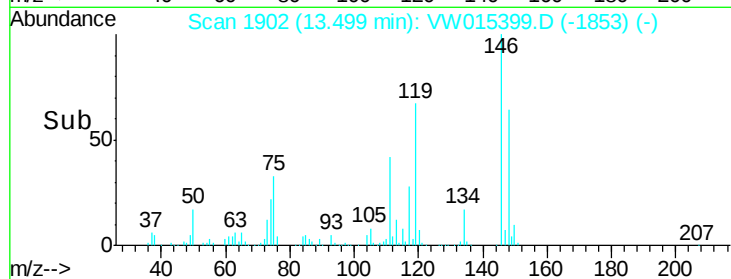
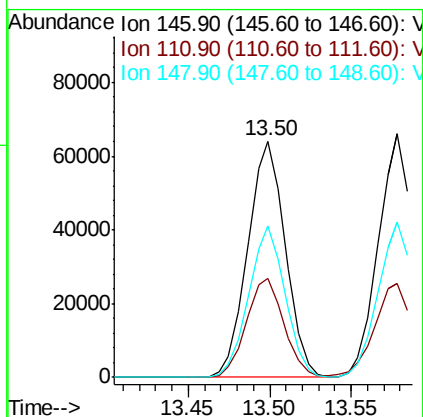
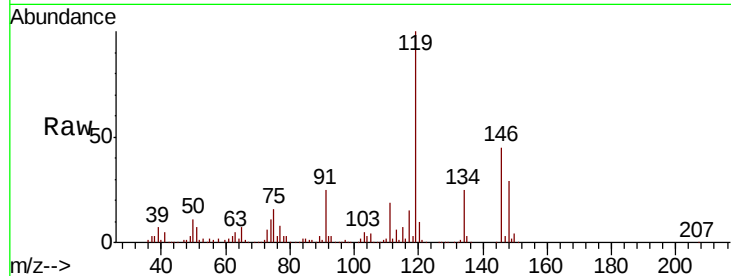




#87
 1,3-Dichlorobenzene
 Concen: 19.281 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

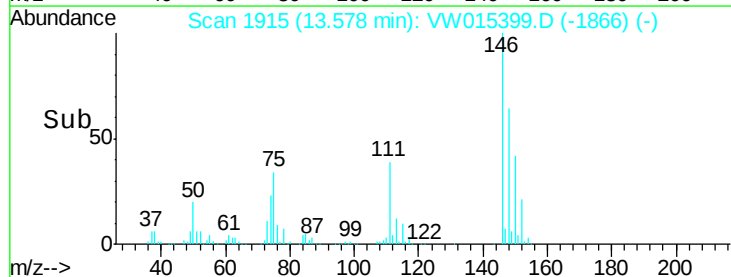
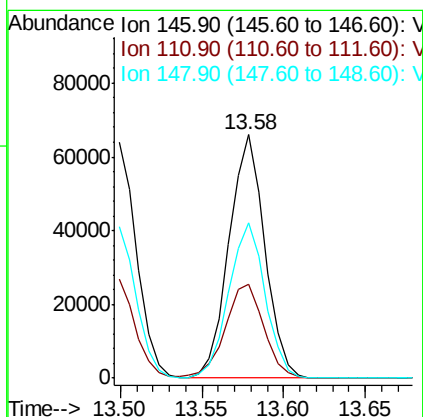
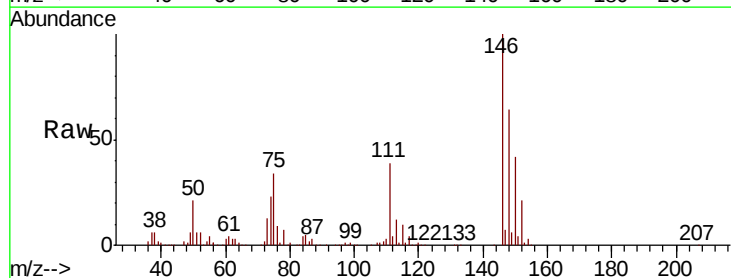
Instrument :
 MSVOA_W
 ClientSampleId :

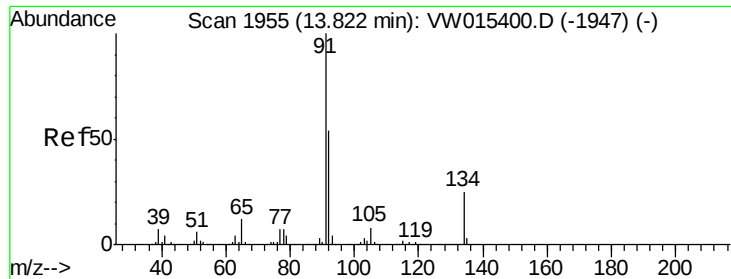
Tot Ion:146 Resp: 102574
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.5 61.5
 148 62.1 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 19.322 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion:146 Resp: 100805
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 60.0
 148 64.9 31.4 94.3





#89

n-Butylbenzene

Concen: 20.953 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

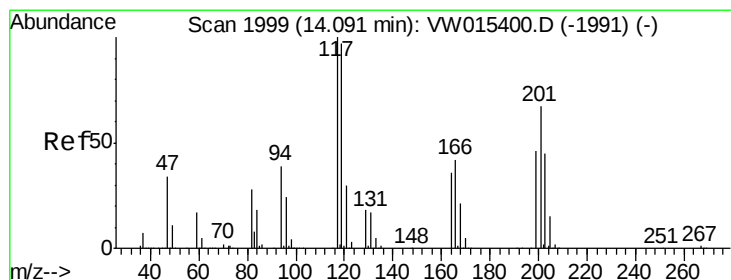
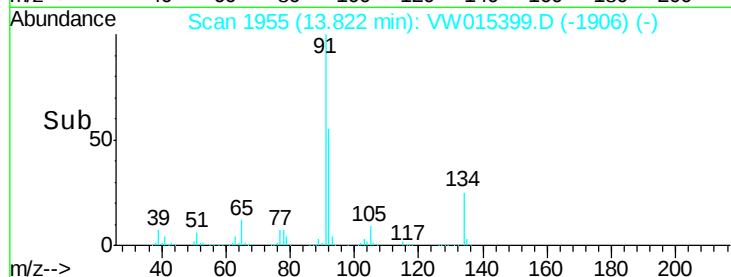
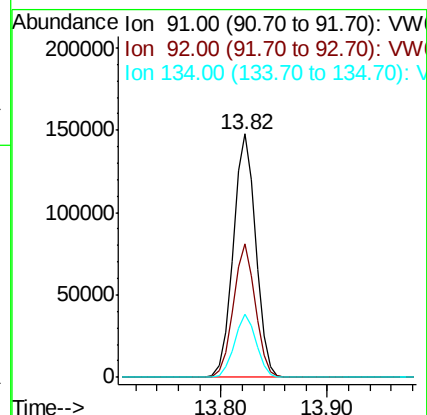
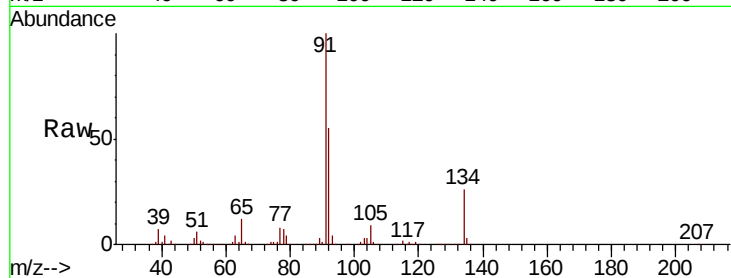
Tot Ion: 91 Resp: 219763

Ion Ratio Lower Upper

91 100

92 53.4 27.2 81.6

134 25.2 12.6 37.6



#90

Hexachloroethane

Concen: 19.542 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015399.D

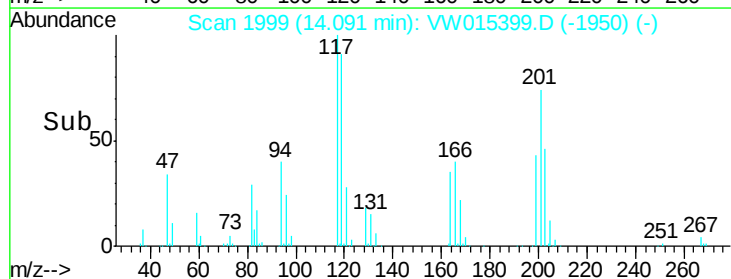
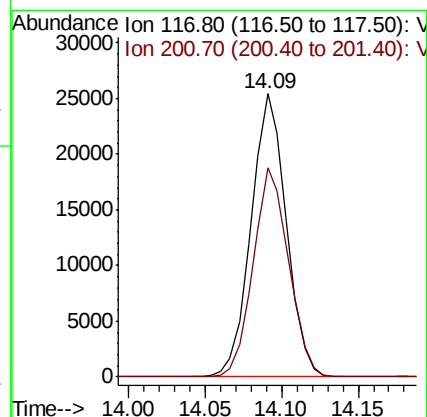
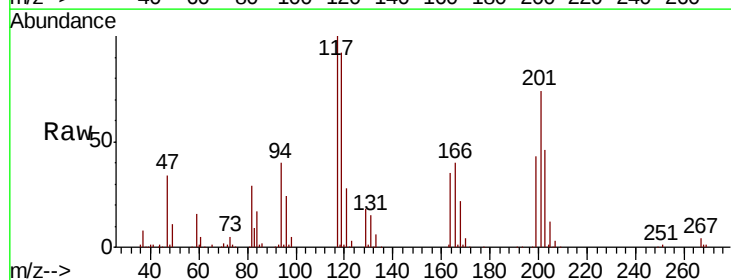
Acq: 05 May 2020 17:04

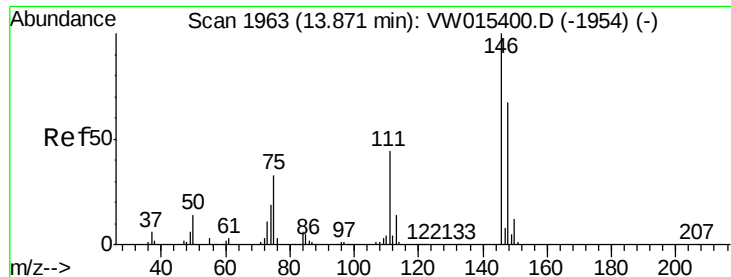
Tgt Ion: 117 Resp: 40611

Ion Ratio Lower Upper

117 100

201 74.4 35.9 107.8





#91

1,2-Dichlorobenzene

Concen: 19.337 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

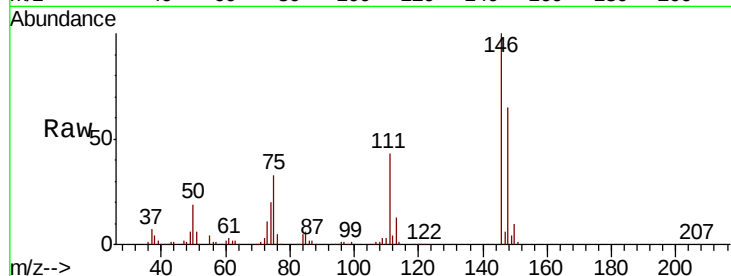
Tot Ion:146 Resp: 88904

Ion Ratio Lower Upper

146 100

111 43.4 22.1 66.3

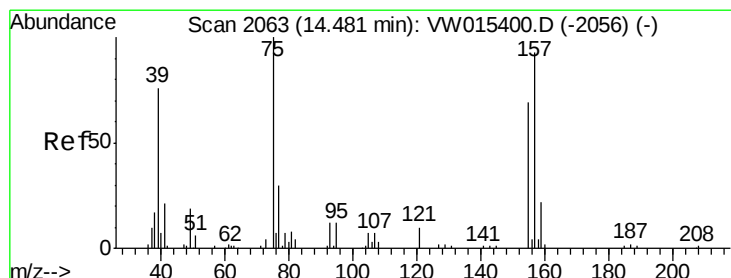
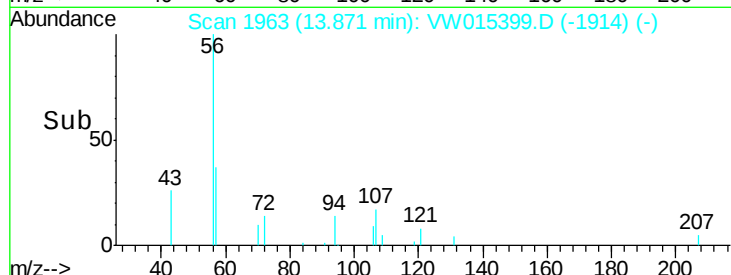
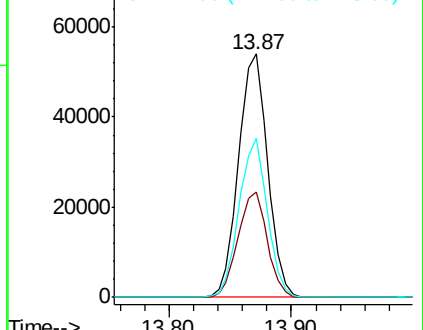
148 63.2 32.5 97.4



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: 21.629 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

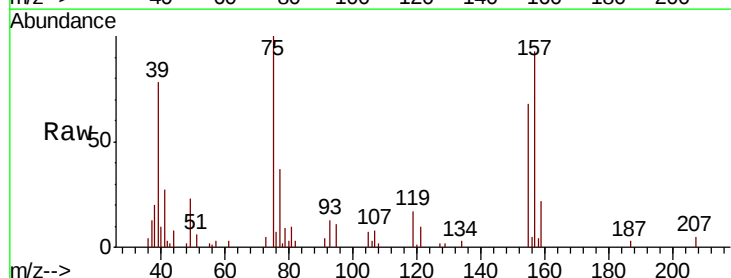
Tgt Ion: 75 Resp: 6617

Ion Ratio Lower Upper

75 100

155 72.2 38.7 116.1

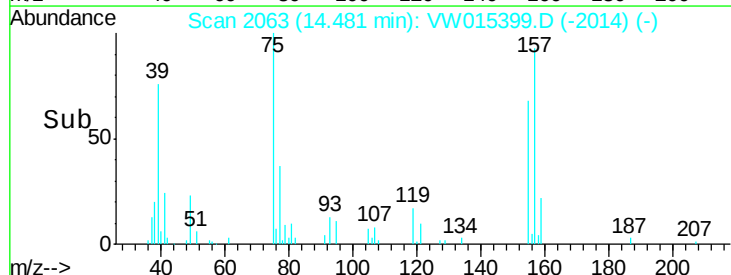
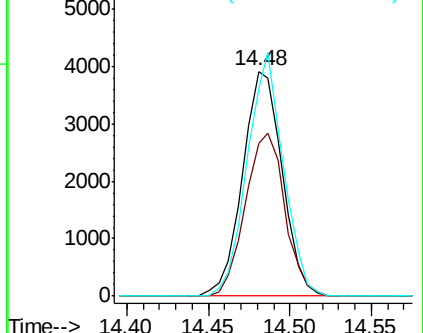
157 98.9 48.1 144.4

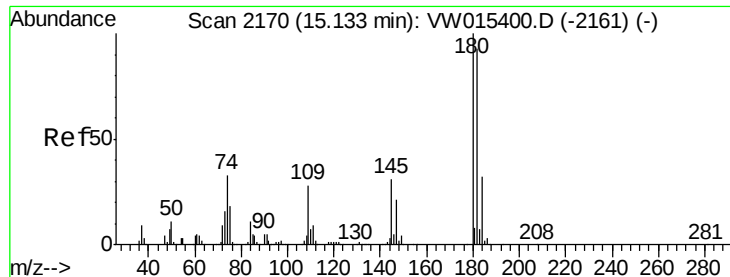


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

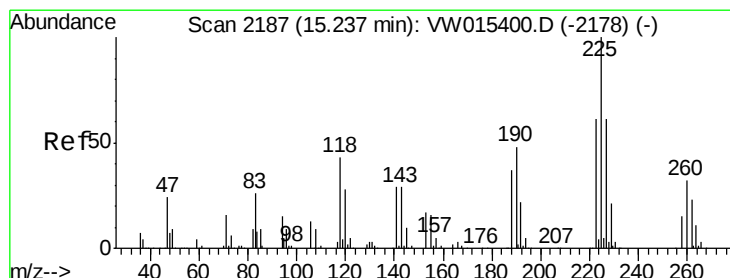
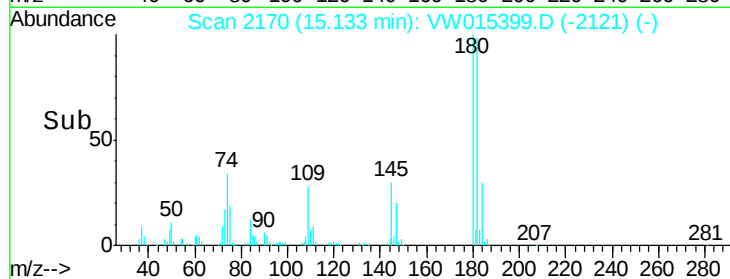
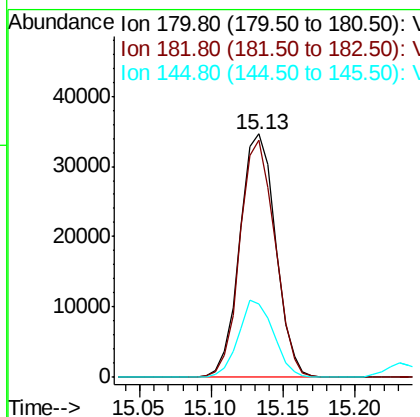
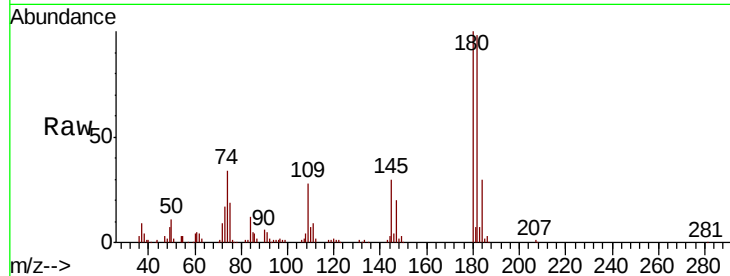




#93
 1,2,4-Trichlorobenzene
 Concen: 18.794 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

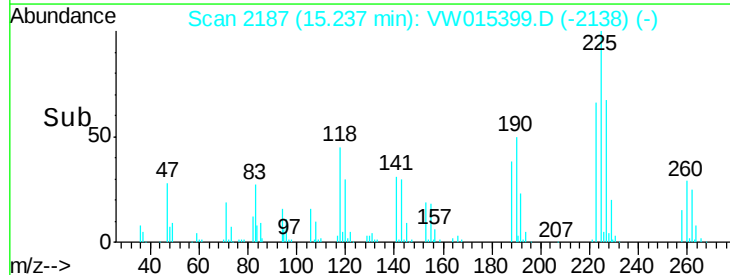
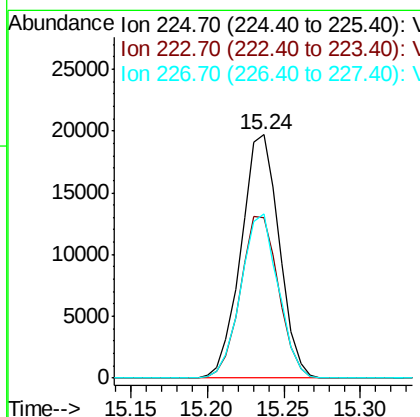
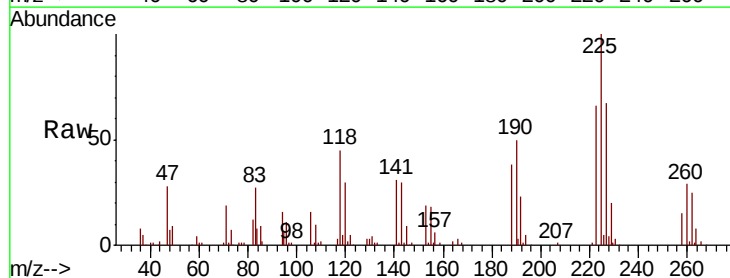
Instrument :
 MSVOA_W
 ClientSampleId :

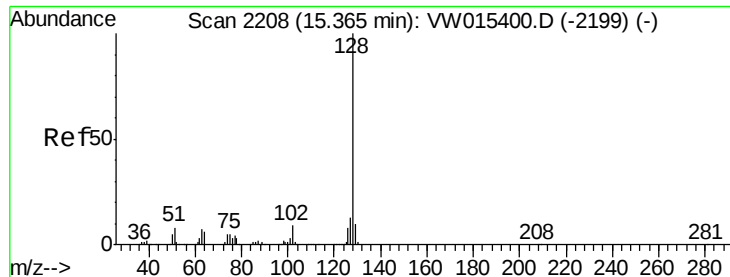
Tot Ion:180 Resp: 59756
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.2 141.6
 145 30.9 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 16.251 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion:225 Resp: 34095
 Ion Ratio Lower Upper
 225 100
 223 66.4 30.7 92.1
 227 66.0 32.0 96.0

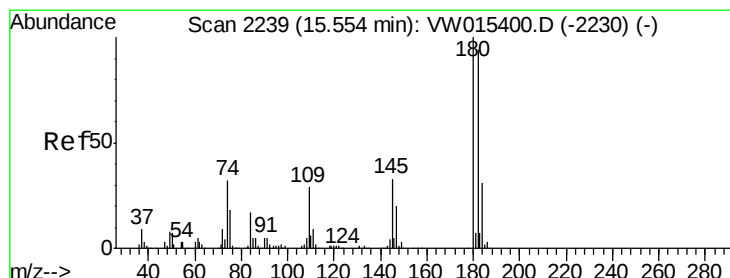
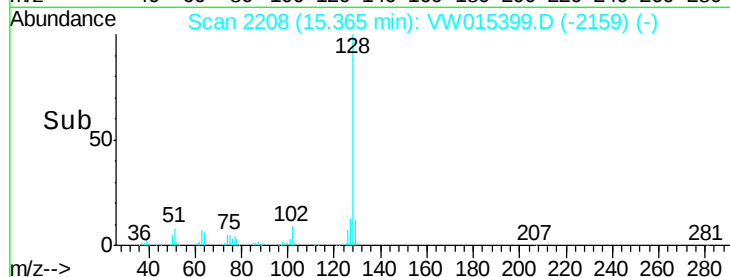
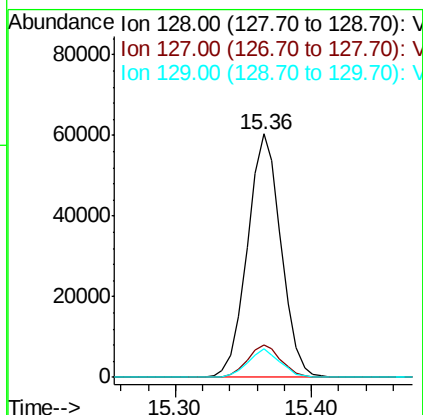
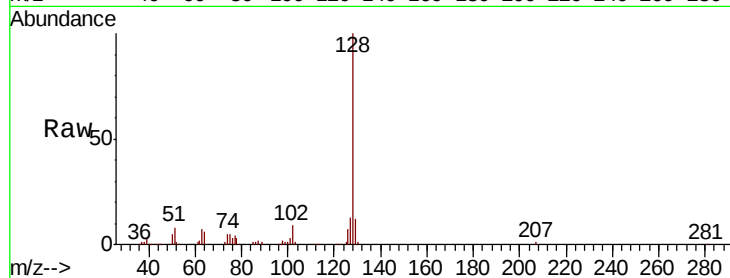




#95
Naphthalene
Concen: 20.025 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.1	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.362 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	33.0	16.3	48.8

