

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010376.D
 Acq On : 11 May 2019 12:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:25:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1361243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2177400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1969592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	960389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	734135	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	666734	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	2728869	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	980109	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	547806	52.441	ug/l	99
3) Chloromethane	2.21	50	733063	52.609	ug/l	97
4) Vinyl Chloride	2.37	62	949335	54.820	ug/l	98
5) Bromomethane	2.78	94	537915	53.866	ug/l	100
6) Chloroethane	2.92	64	568854	56.802	ug/l	97
7) Trichlorofluoromethane	3.25	101	434433	50.112	ug/l	91
8) Diethyl Ether	3.67	74	416531	54.654	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	792654	55.801	ug/l	98
10) Methyl Iodide	4.26	142	1118199	55.587	ug/l	94
11) Tert butyl alcohol	5.17	59	200239	195.925	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	831305	56.005	ug/l	93
13) Acrolein	3.89	56	310289	229.957	ug/l	96
14) Allyl chloride	4.66	41	1293862	58.395	ug/l	92
15) Acrylonitrile	5.36	53	910932	215.648	ug/l	99
16) Acetone	4.12	43	877558	232.607	ug/l	97
17) Carbon Disulfide	4.37	76	2411962	53.727	ug/l	98
18) Methyl Acetate	4.67	43	422848	45.250	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	967026	54.727	ug/l	99
20) Methylene Chloride	4.91	84	856425	54.425	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	899477	56.296	ug/l	97
22) Diisopropyl ether	6.31	45	2628630	61.129	ug/l	93
23) Vinyl Acetate	6.25	43	8006874	271.171	ug/l	97
24) 1,1-Dichloroethane	6.21	63	1674765	57.847	ug/l	99
25) 2-Butanone	7.16	43	1230139	213.140	ug/l	98
26) 2,2-Dichloropropane	7.16	77	845561	58.701	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	960488	58.454	ug/l	97
28) Bromochloromethane	7.51	49	580189	54.357	ug/l	99
29) Tetrahydrofuran	7.52	42	778630	208.578	ug/l	95
30) Chloroform	7.67	83	1584882	58.494	ug/l	99
31) Cyclohexane	7.95	56	1601446	54.023	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1206299	57.478	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1336443	56.608	ug/l	100
37) Ethyl Acetate	7.25	43	541233	43.056	ug/l	98
38) Carbon Tetrachloride	8.07	117	1149970	56.823	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1667246	57.728	ug/l	98
40) Benzene	8.32	78	3670980	56.777	ug/l	99
41) Methacrylonitrile	7.48	41	326843	46.364	ug/l	95
42) 1,2-Dichloroethane	8.40	62	1038105	56.092	ug/l	98
43) Isopropyl Acetate	8.43	43	986830	47.336	ug/l	96
44) Trichloroethene	9.09	130	917847	56.704	ug/l	97
45) 1,2-Dichloropropane	9.37	63	937585	58.338	ug/l	97
46) Dibromomethane	9.46	93	436876	52.618	ug/l	98
47) Bromodichloromethane	9.64	83	1162767	58.382	ug/l	99
48) Methyl methacrylate	9.43	41	487287	49.435	ug/l	87
49) 1,4-Dioxane	9.45	88	132485	914.992	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	2669427	223.307	ug/l	94
52) Toluene	10.38	92	2305353	58.335	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1180440	58.513	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	1426514	59.707	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	628066	53.259	ug/l	99
56) Ethyl methacrylate	10.65	69	849824	54.571	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1158855	54.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1830086	245.451	ug/l	100
59) 2-Hexanone	10.97	43	1912357	226.262	ug/l	93
60) Dibromochloromethane	11.13	129	717477	56.540	ug/l	100
61) 1,2-Dibromoethane	11.23	107	595977	52.645	ug/l	99
64) Tetrachloroethene	10.86	164	750829	54.542	ug/l	99
65) Chlorobenzene	11.66	112	2338890	57.366	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	796743	57.818	ug/l	97
67) Ethyl Benzene	11.73	91	4456368	59.415	ug/l	98
68) m/p-Xylenes	11.84	106	3315401	118.971	ug/l	98
69) o-Xylene	12.16	106	1534242	60.861	ug/l	97
70) Styrene	12.18	104	2697745	61.417	ug/l	98
71) Bromoform	12.35	173	395507	50.208	ug/l #	99
73) Isopropylbenzene	12.47	105	4296824	61.381	ug/l	100
74) N-amyl acetate	12.27	43	935613	51.734	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	738916	47.907	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	954939	85.283	ug/l #	100
77) Bromobenzene	12.75	156	925160	58.531	ug/l	100
78) n-propylbenzene	12.80	91	5301922	61.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	2963657	60.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3642891	61.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	237446	47.889	ug/l	93
82) 4-Chlorotoluene	12.99	91	3083364	59.768	ug/l	99
83) tert-Butylbenzene	13.21	119	3023994	61.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3608311	61.528	ug/l	99
85) sec-Butylbenzene	13.38	105	4435018	61.032	ug/l	100
86) p-Isopropyltoluene	13.50	119	4024712	62.380	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1871727	59.302	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1825112	58.269	ug/l	99
89) n-Butylbenzene	13.83	91	4052479	62.642	ug/l	98
90) Hexachloroethane	14.10	117	708745	59.226	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	1621462	58.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	115928	41.738	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

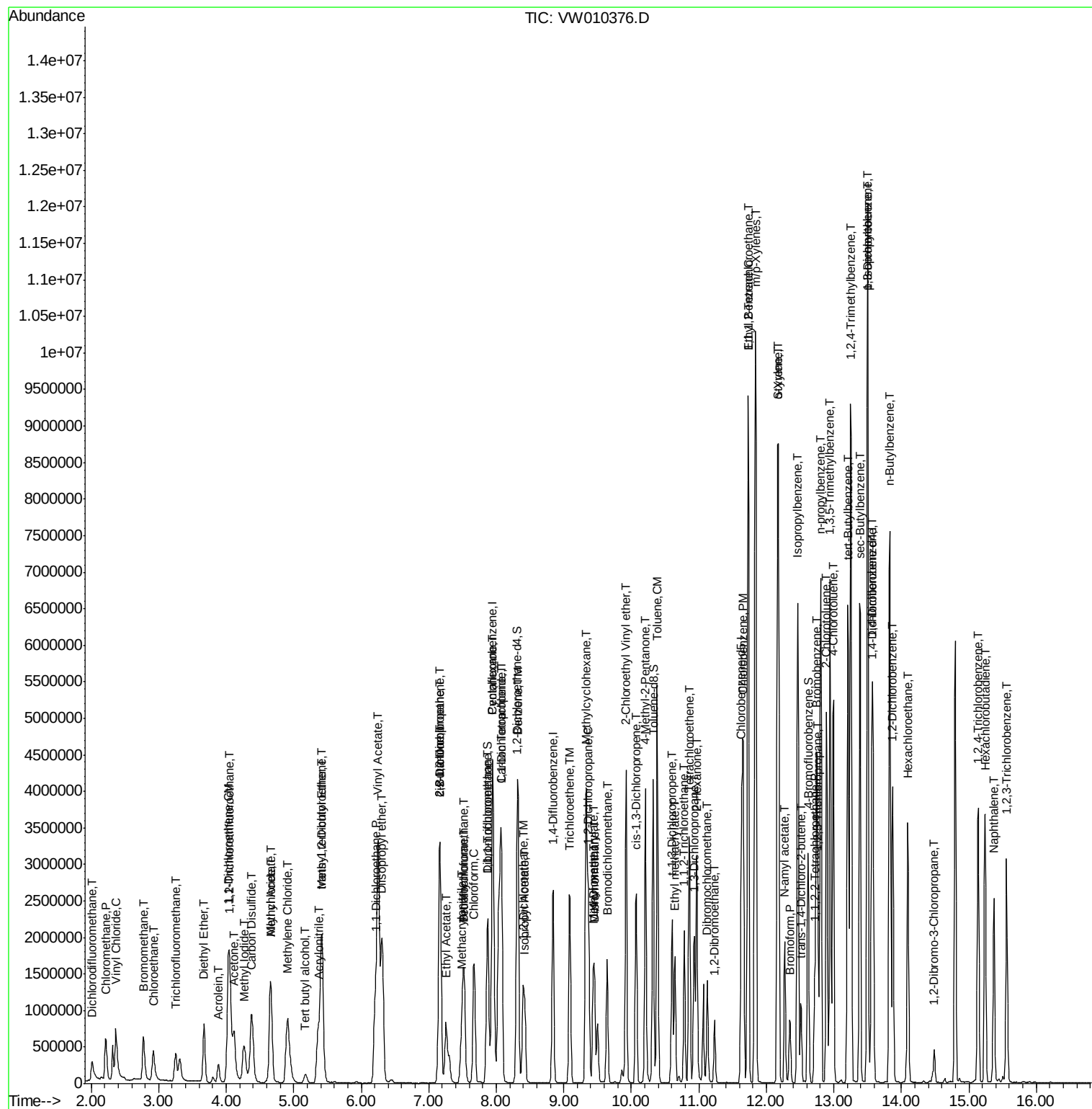
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1189561	62.384	ug/l	100
94) Hexachlorobutadiene	15.24	225	736492	60.248	ug/l	99
95) Naphthalene	15.37	128	2101985	48.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1030780	59.837	ug/l	99

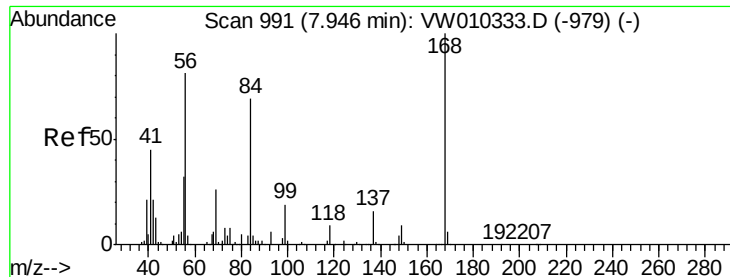
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampled :

Quant Time: May 12 00:25:10 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

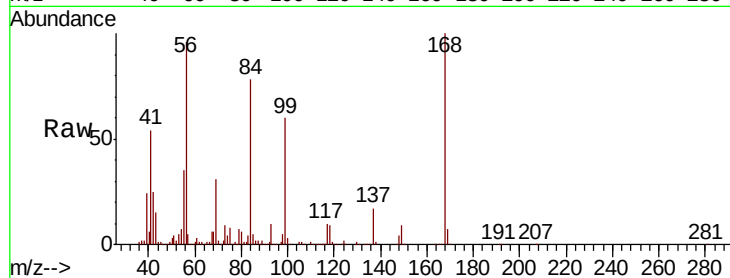
ClientSampleId :

Tot Ion:168 Resp: 1361243

Ion Ratio Lower Upper

168 100

99 59.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

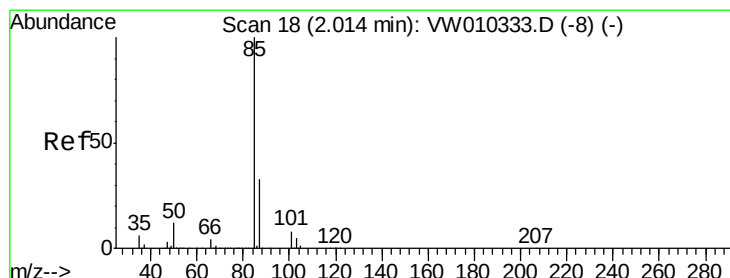
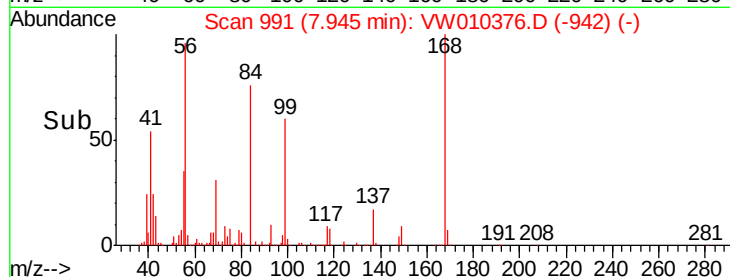
400000

200000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.441 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010376.D

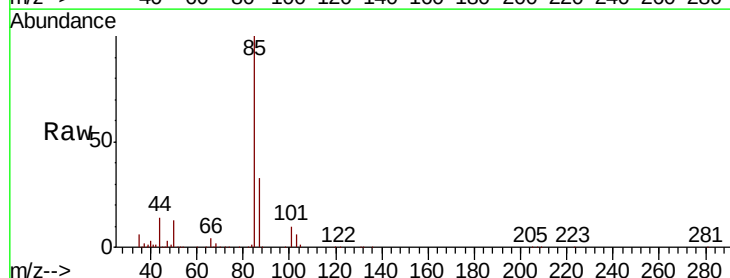
Acq: 11 May 2019 12:37

Tgt Ion: 85 Resp: 547806

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150000

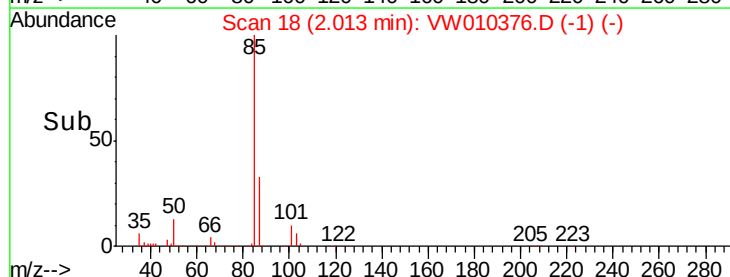
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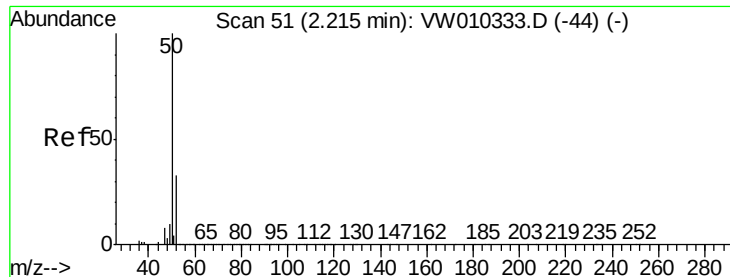
50000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 52.609 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

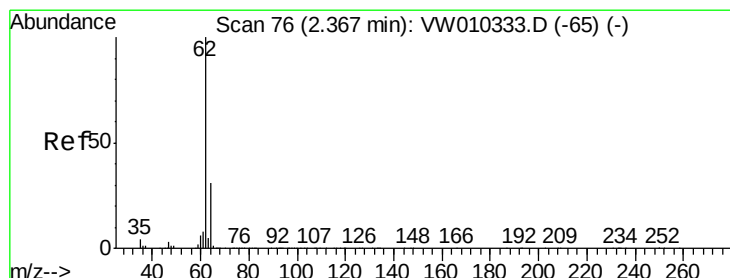
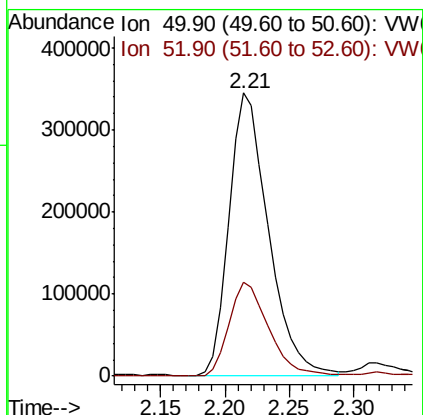
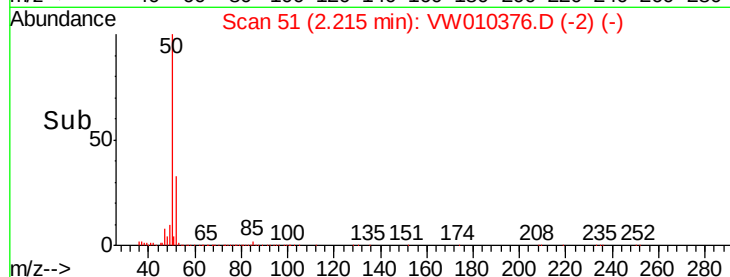
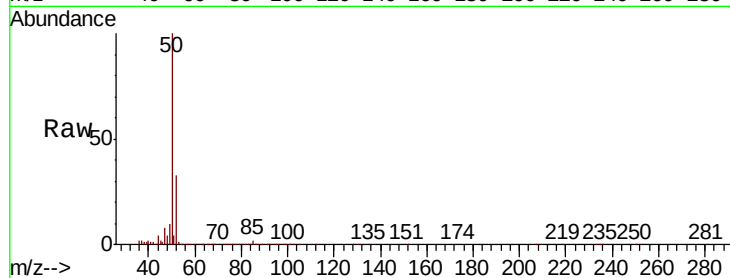
ClientSampleId :

Tot Ion: 50 Resp: 733063

Ion Ratio Lower Upper

50 100

52 33.2 25.0 37.6



#4

Vinyl Chloride

Concen: 54.820 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010376.D

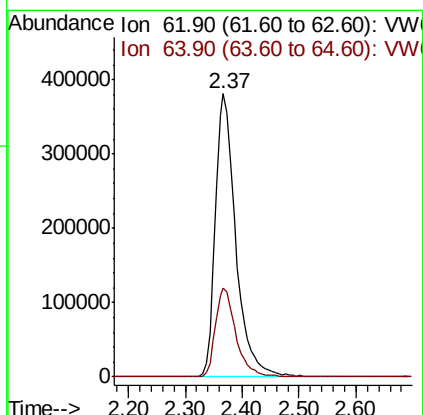
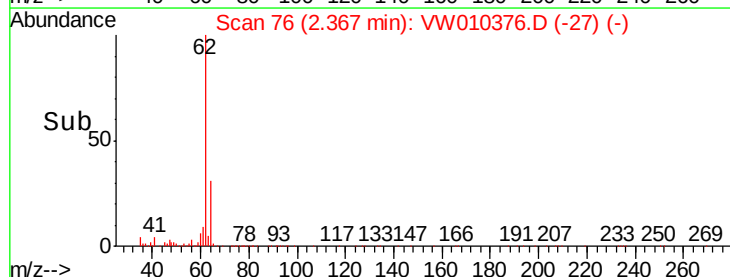
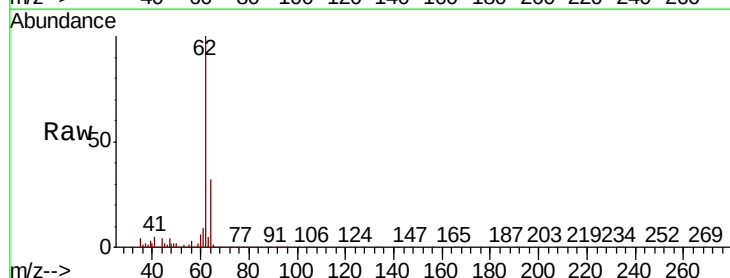
Acq: 11 May 2019 12:37

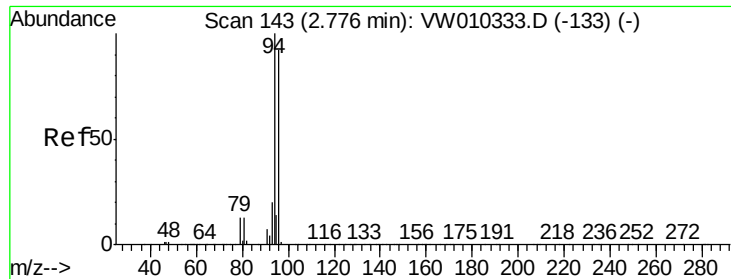
Tgt Ion: 62 Resp: 949335

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 53.866 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

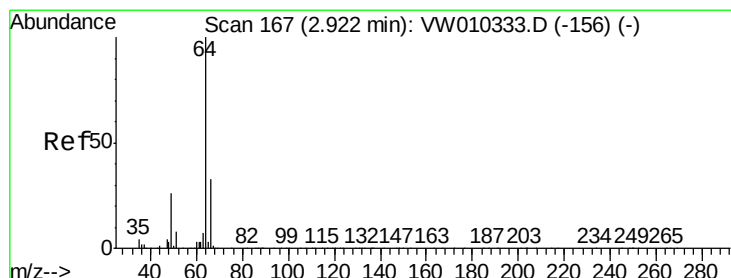
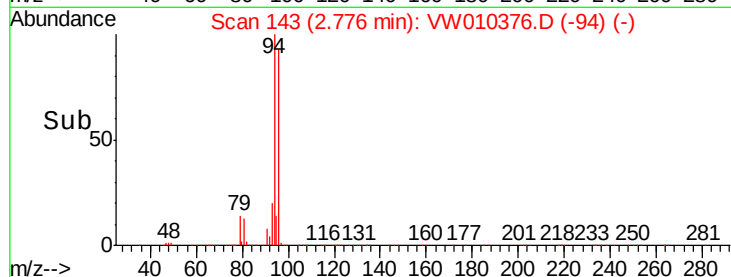
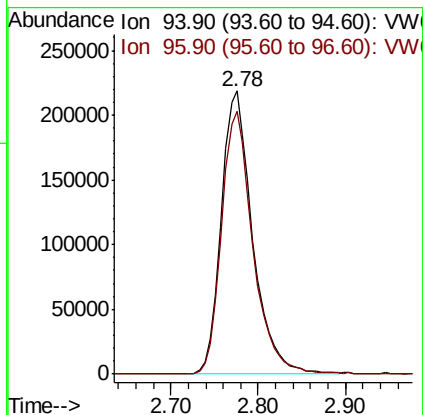
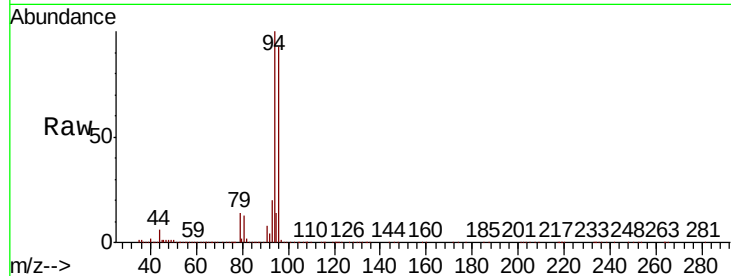
ClientSampleId :

Tot Ion: 94 Resp: 537915

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



#6

Chloroethane

Concen: 56.802 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010376.D

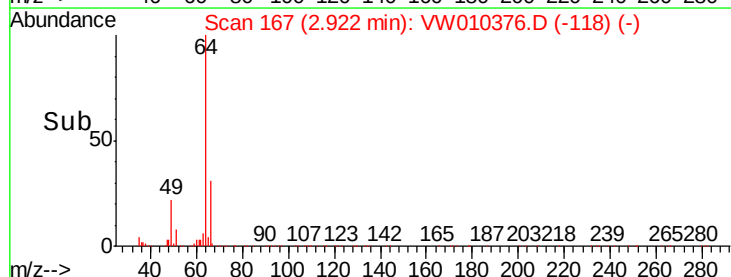
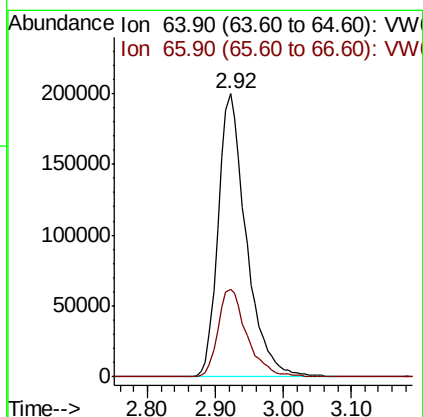
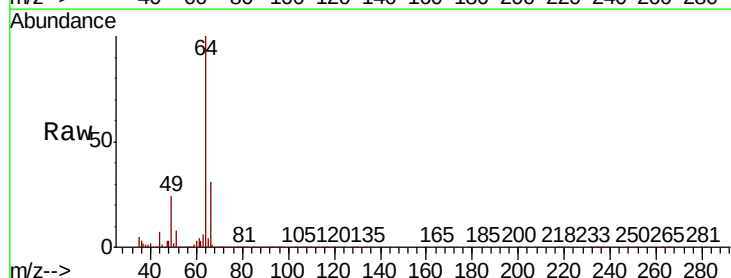
Acq: 11 May 2019 12:37

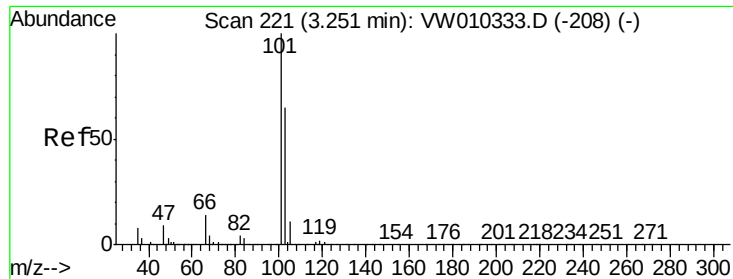
Tgt Ion: 64 Resp: 568854

Ion Ratio Lower Upper

64 100

66 30.6 23.4 35.0



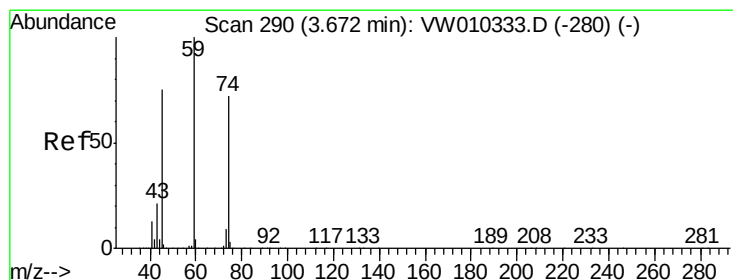
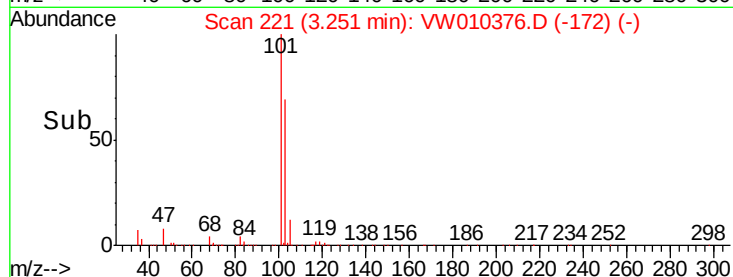
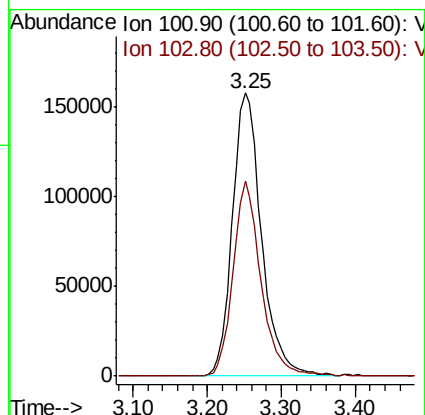
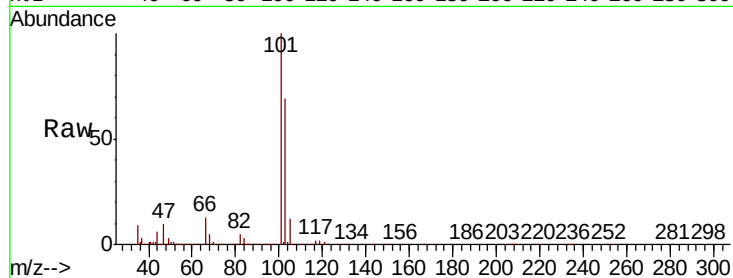


#7

Trichlorofluoromethane
 Concen: 50.112 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :

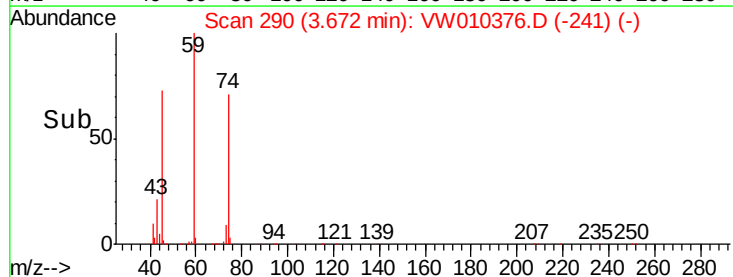
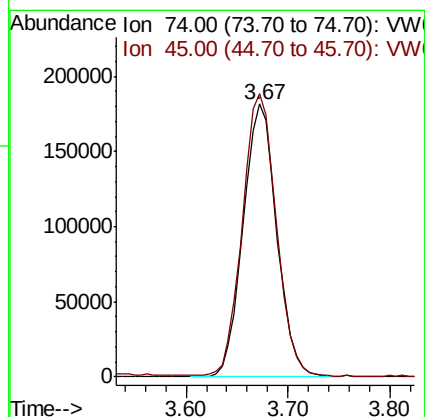
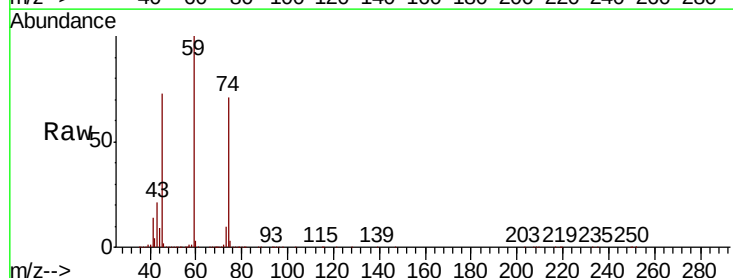
Tot Ion:101 Resp: 434433
 Ion Ratio Lower Upper
 101 100
 103 68.9 49.8 74.6

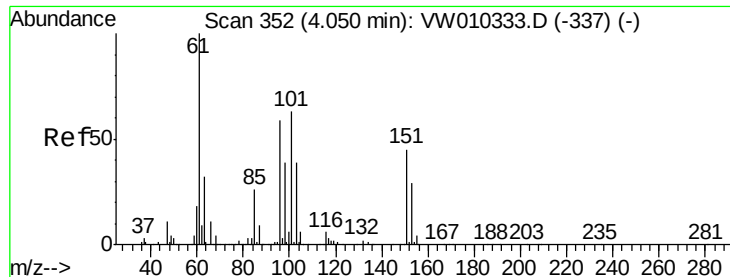


#8

Diethyl Ether
 Concen: 54.654 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion: 74 Resp: 416531
 Ion Ratio Lower Upper
 74 100
 45 103.9 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.801 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

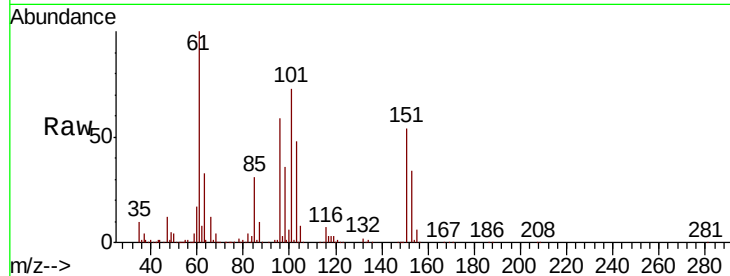
Tot Ion:101 Resp: 792654

Ion Ratio Lower Upper

101 100

85 43.8 36.3 54.5

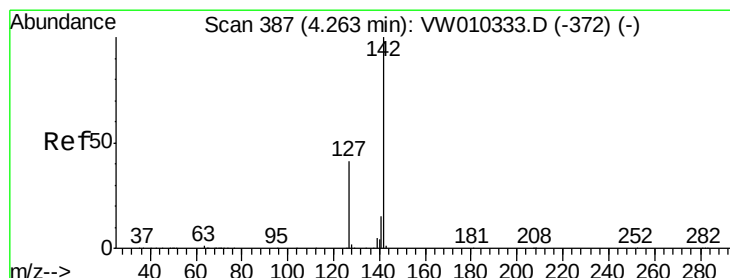
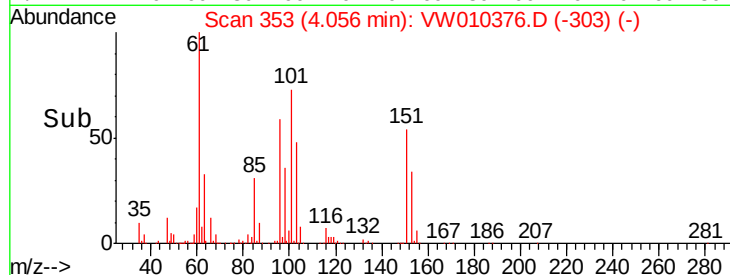
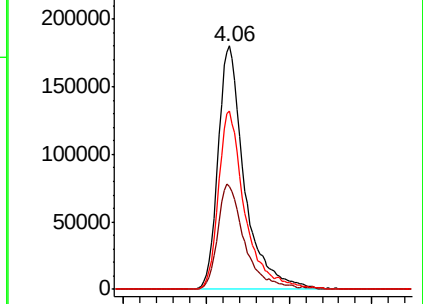
151 73.4 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.587 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

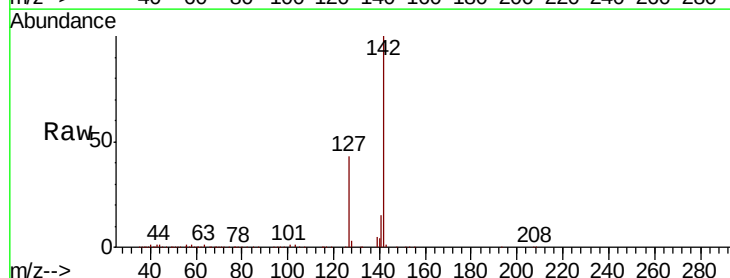
Tgt Ion:142 Resp: 1118199

Ion Ratio Lower Upper

142 100

127 43.0 38.1 57.1

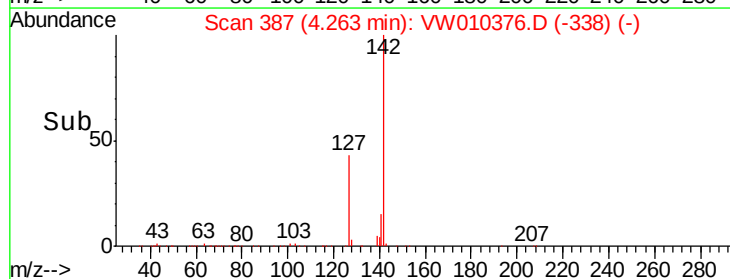
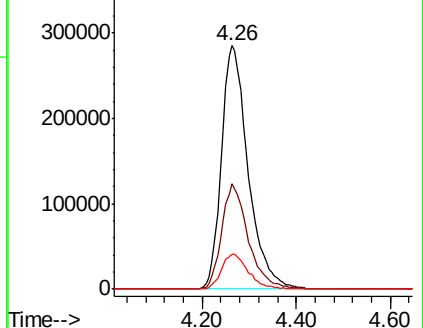
141 14.6 12.2 18.2

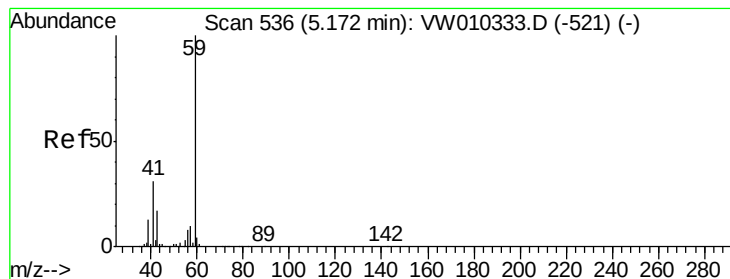


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



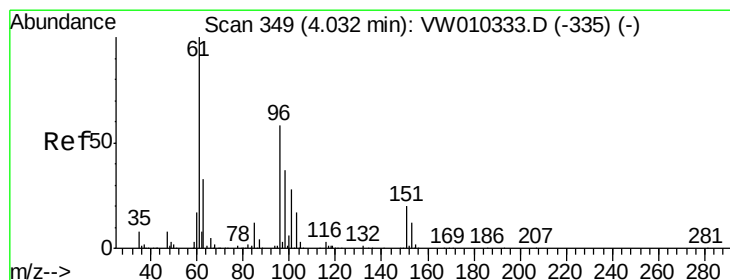
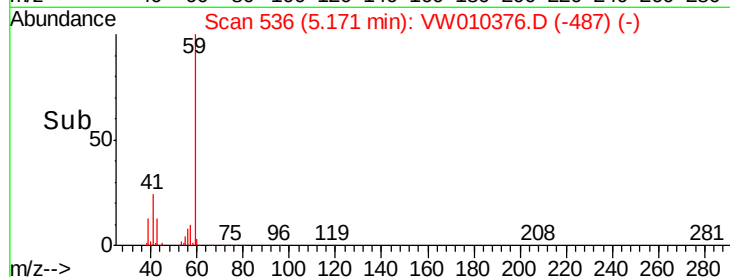
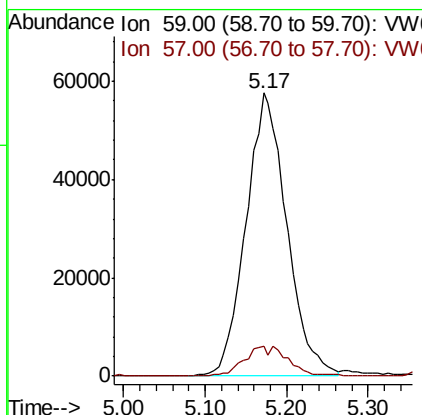
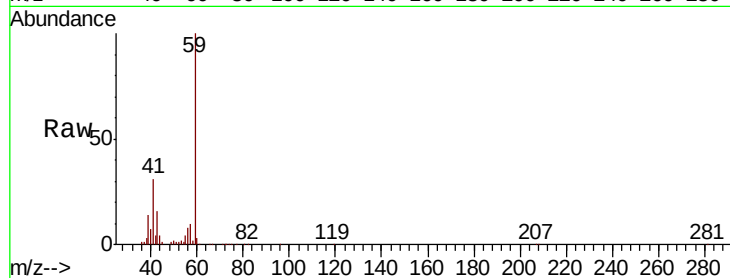


#11

Tert butyl alcohol
 Concen: 195.925 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :

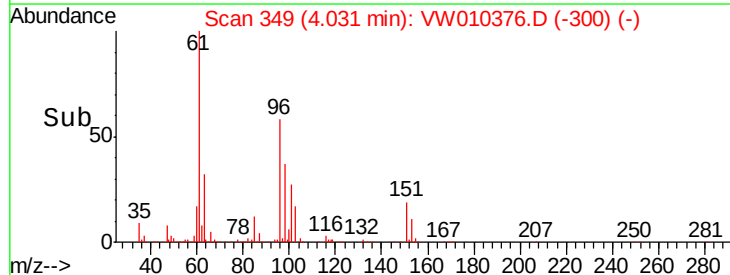
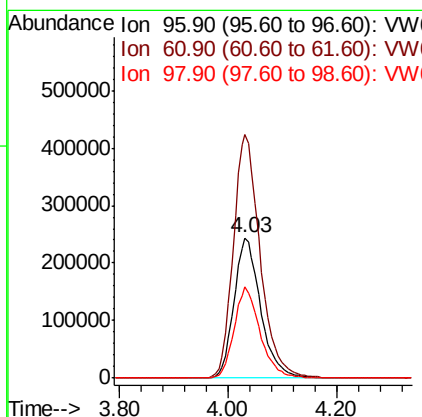
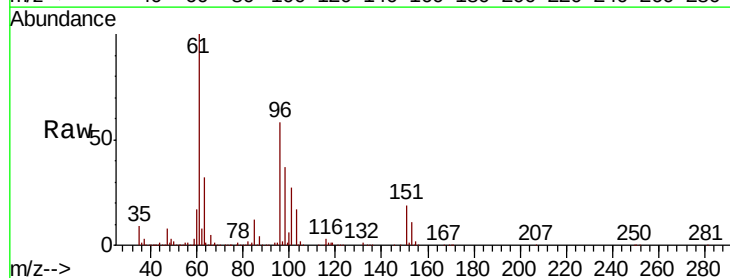
Tot Ion: 59 Resp: 200239
 Ion Ratio Lower Upper
 59 100
 57 6.4 9.0 13.4#

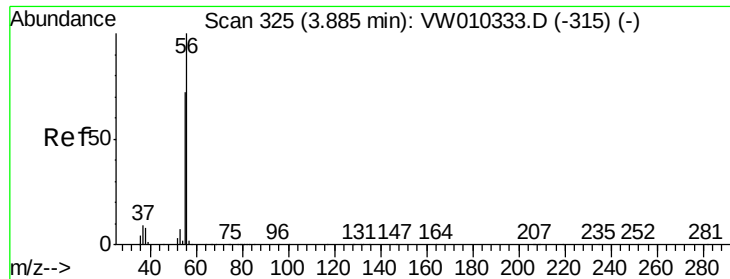


#12

1,1-Dichloroethene
 Concen: 56.005 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion: 96 Resp: 831305
 Ion Ratio Lower Upper
 96 100
 61 173.3 147.4 221.2
 98 64.6 49.7 74.5

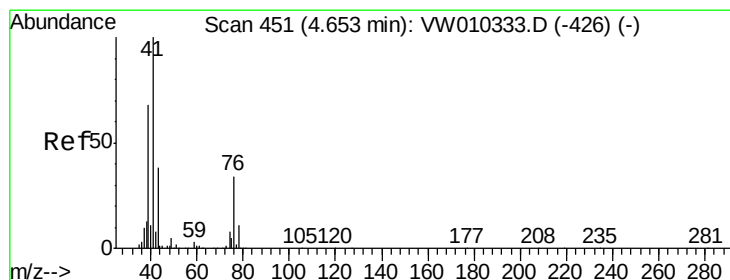
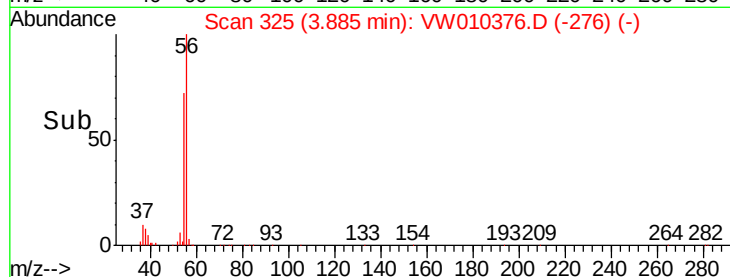
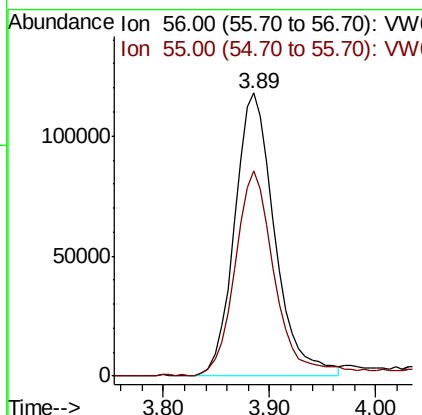
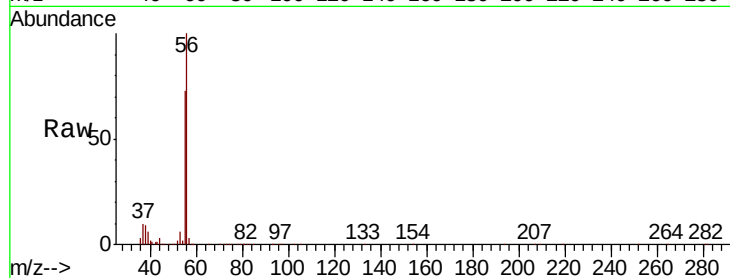




#13
Acrolein
Concen: 229.957 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

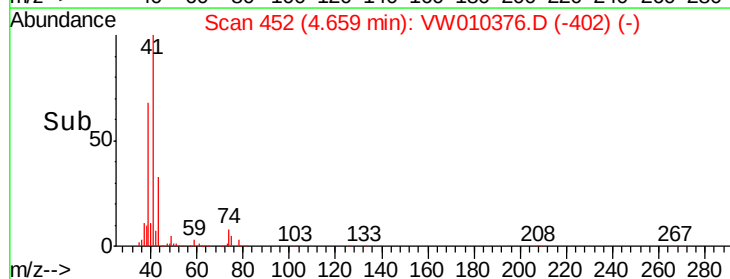
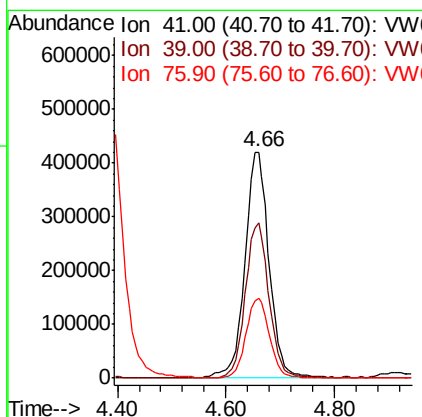
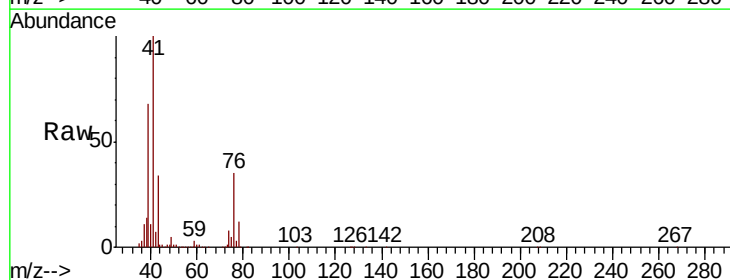
Instrument :
MSVOA_W
ClientSampleId :

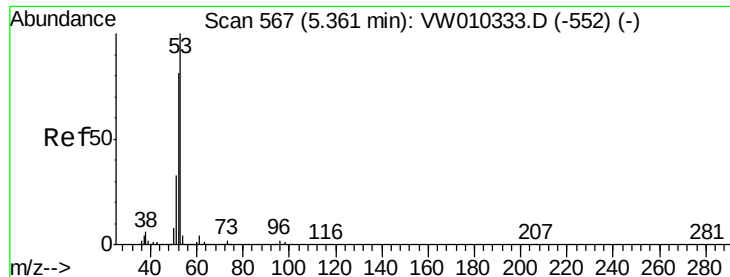
Tot Ion: 56 Resp: 310289
Ion Ratio Lower Upper
56 100
55 71.1 54.2 81.2



#14
Allyl chloride
Concen: 58.395 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 41 Resp: 1293862
Ion Ratio Lower Upper
41 100
39 67.2 60.2 90.4
76 34.4 25.0 37.6





#15

Acrylonitrile

Concen: 215.648 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

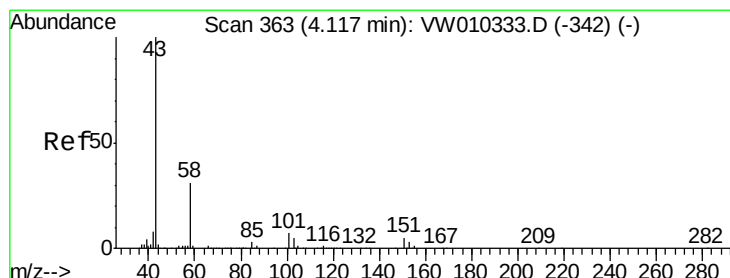
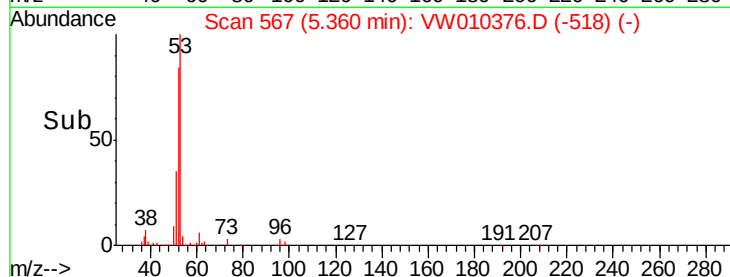
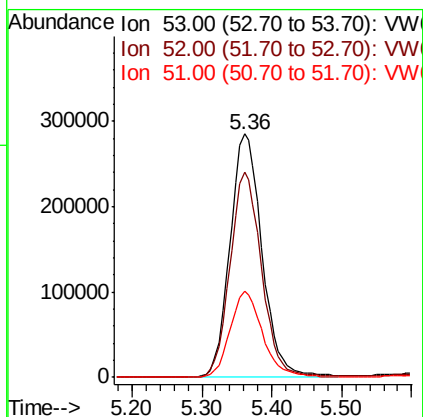
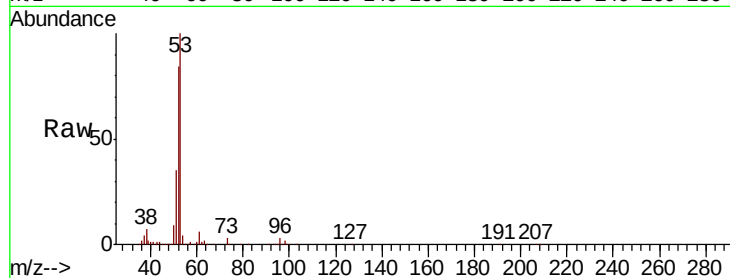
Tot Ion: 53 Resp: 910932

Ion Ratio Lower Upper

53 100

52 82.7 66.6 100.0

51 35.9 30.3 45.5



#16

Acetone

Concen: 232.607 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010376.D

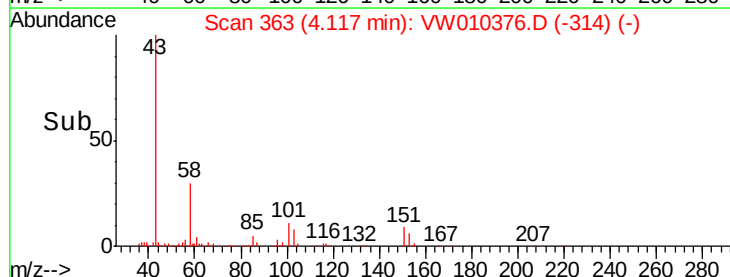
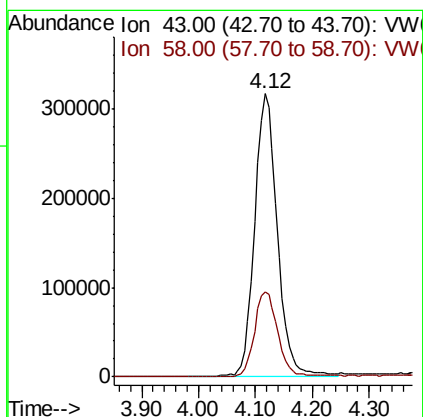
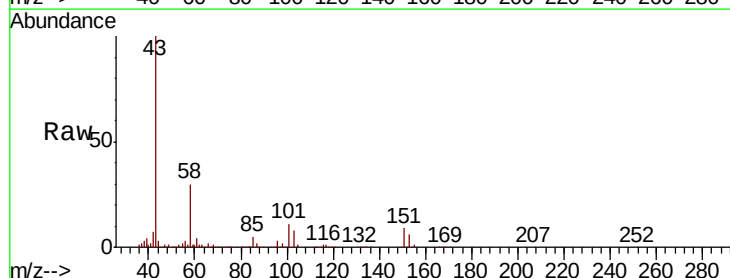
Acq: 11 May 2019 12:37

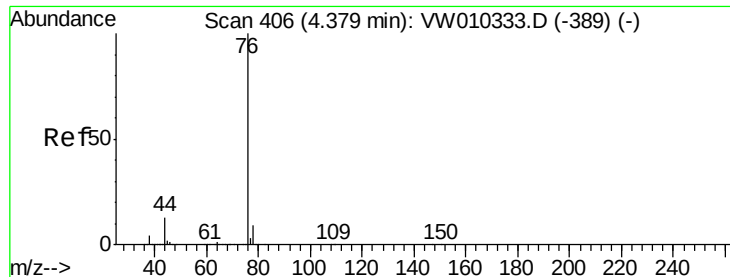
Tgt Ion: 43 Resp: 877558

Ion Ratio Lower Upper

43 100

58 29.9 22.7 34.1





#17

Carbon Disulfide

Concen: 53.727 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

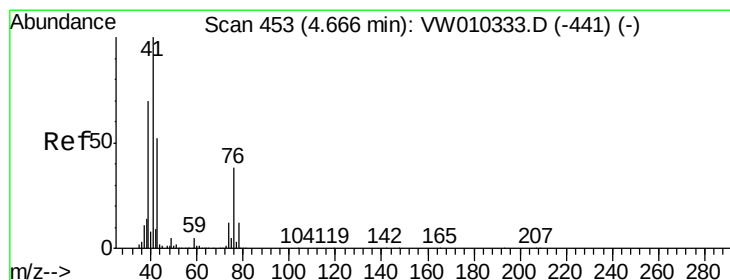
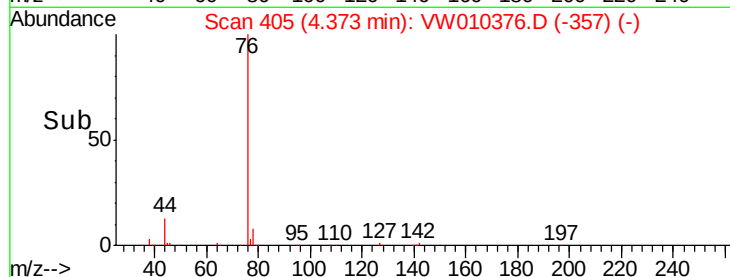
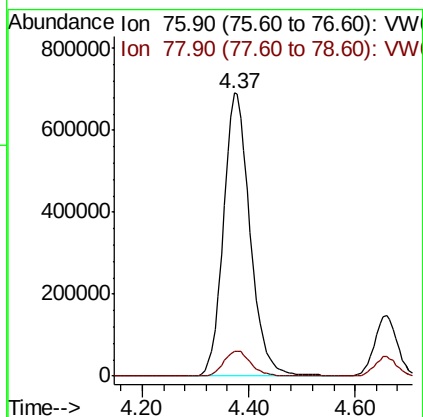
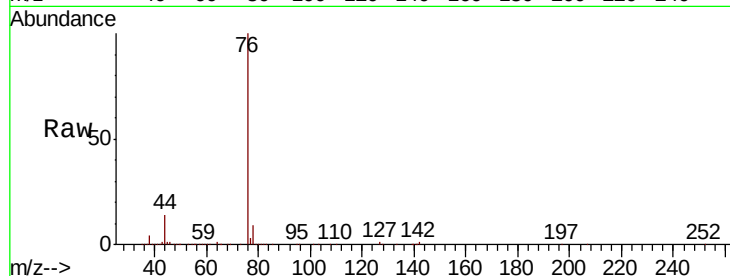
ClientSampleId :

Tot Ion: 76 Resp: 2411962

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



#18

Methyl Acetate

Concen: 45.250 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010376.D

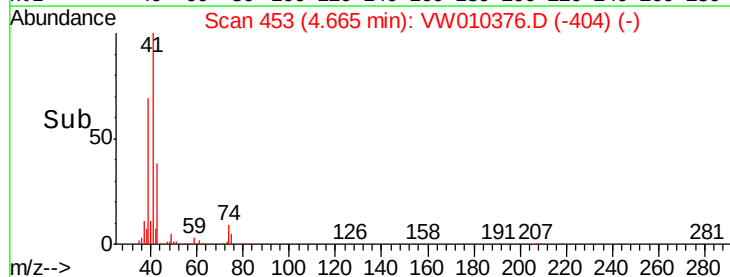
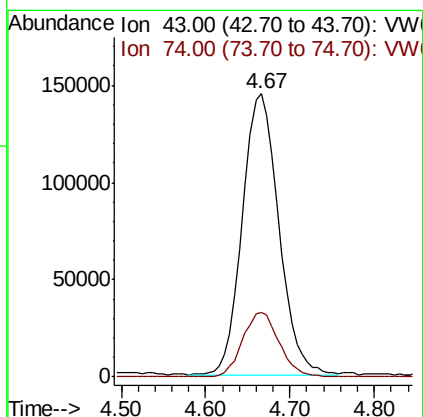
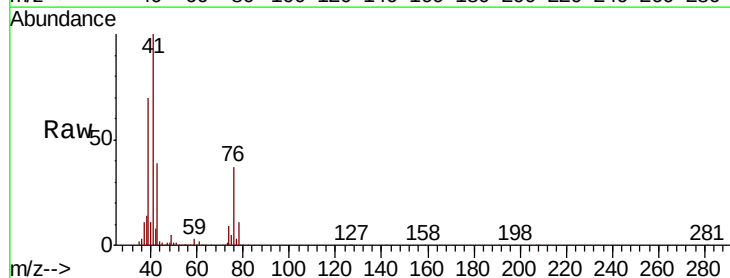
Acq: 11 May 2019 12:37

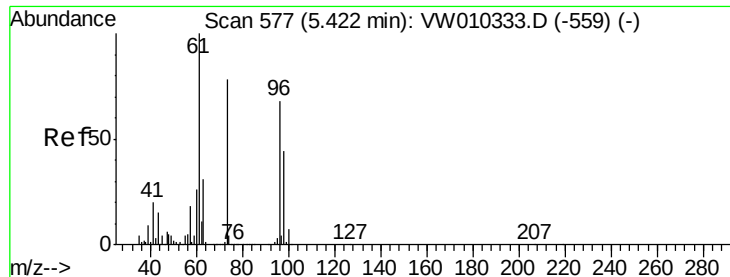
Tgt Ion: 43 Resp: 422848

Ion Ratio Lower Upper

43 100

74 23.3 16.8 25.2

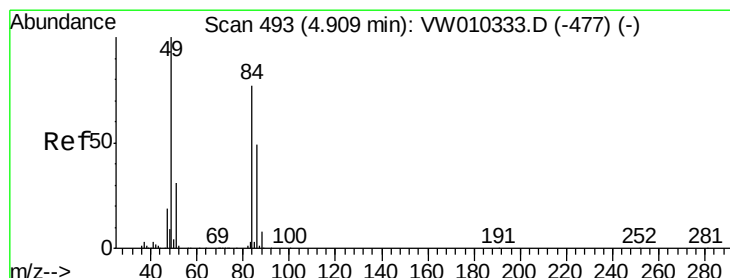
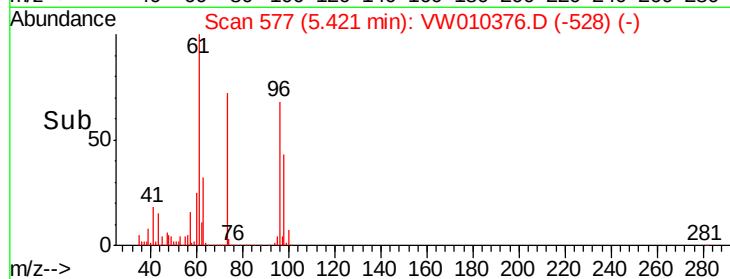
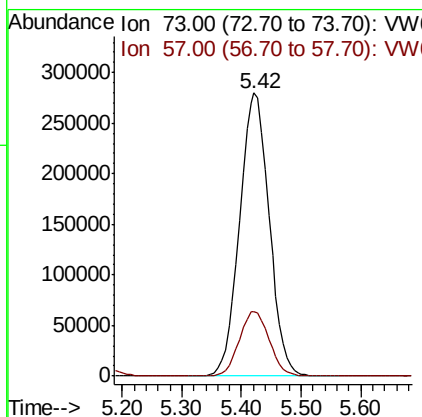
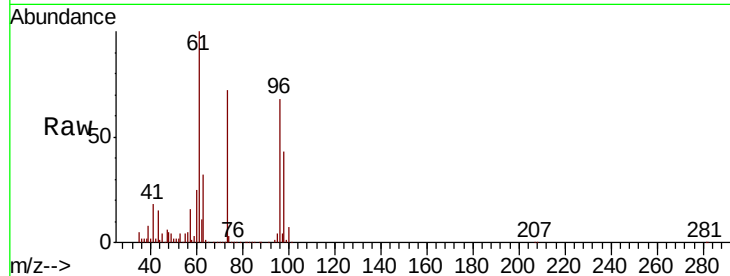




#19
Methyl tert-butyl Ether
Concen: 54.727 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

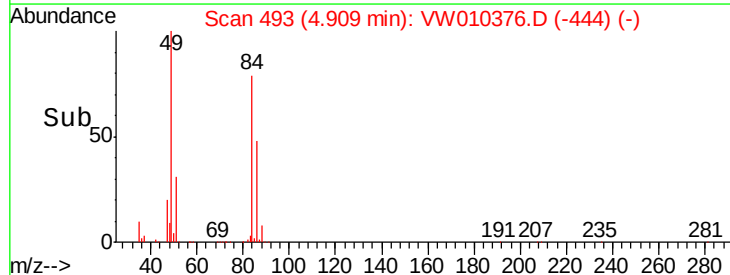
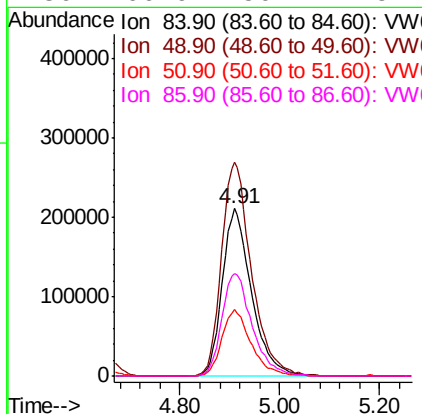
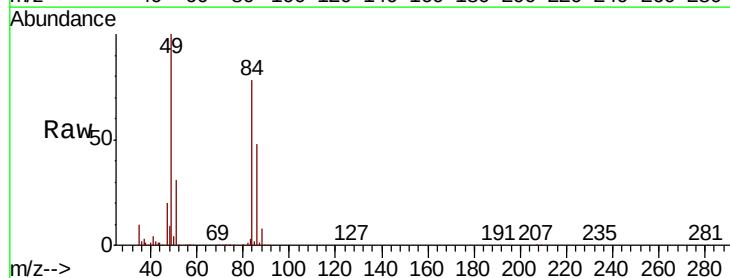
Instrument :
MSVOA_W
ClientSampleId :

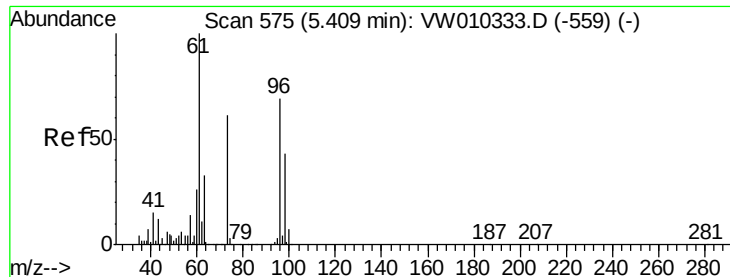
Tot Ion: 73 Resp: 967026
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#20
Methylene Chloride
Concen: 54.425 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 84 Resp: 856425
Ion Ratio Lower Upper
84 100
49 127.5 112.3 168.5
51 40.0 33.9 50.9
86 60.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 56.296 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

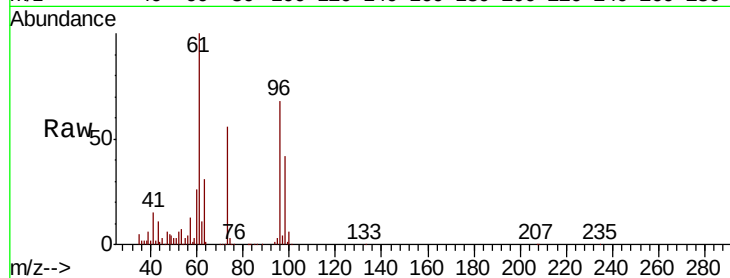
Tot Ion: 96 Resp: 899477

Ion Ratio Lower Upper

96 100

61 148.1 122.3 183.5

98 62.4 50.5 75.7

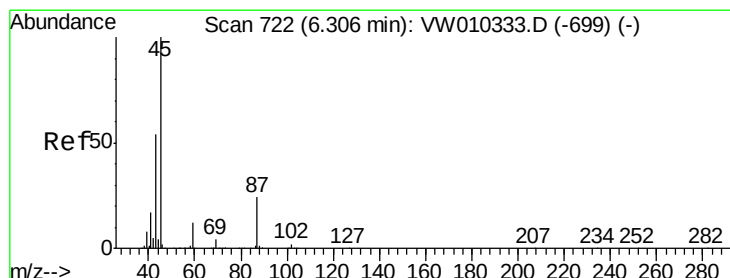
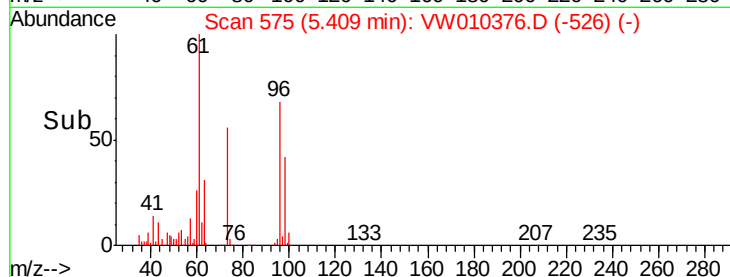
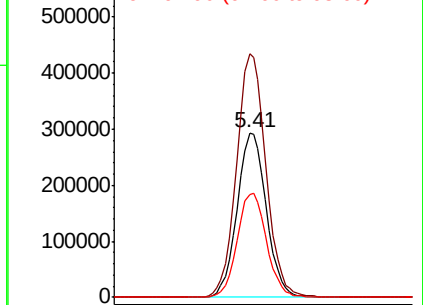


Abundance

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: 61.129 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion: 45 Resp: 2628630

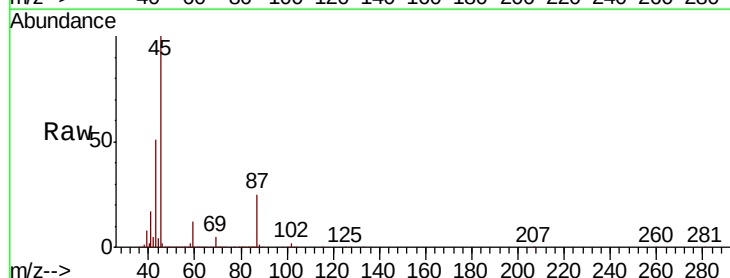
Ion Ratio Lower Upper

45 100

43 51.4 46.1 69.1

87 25.2 18.3 27.5

59 11.6 8.2 12.4



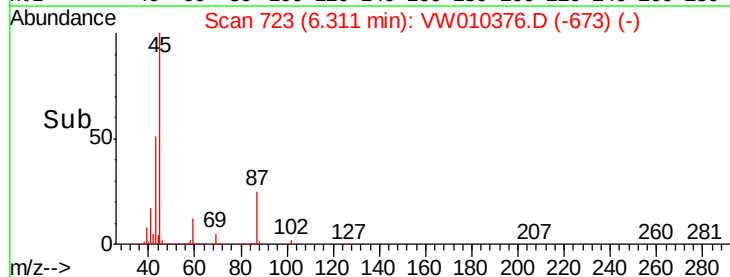
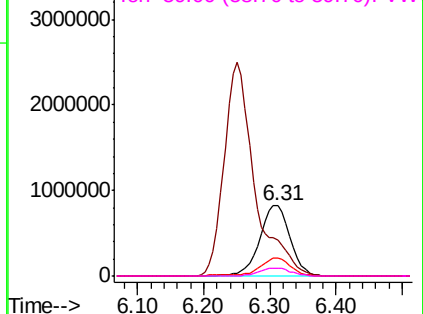
Abundance

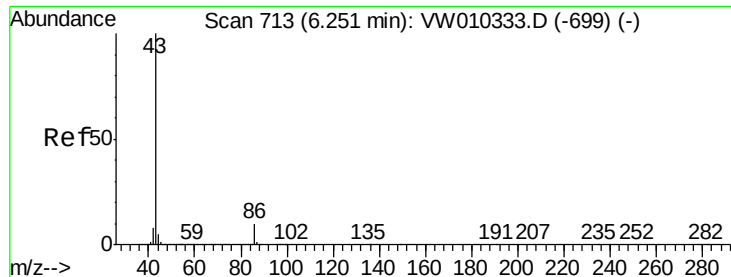
Ion 45.00 (44.70 to 45.70): VW

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

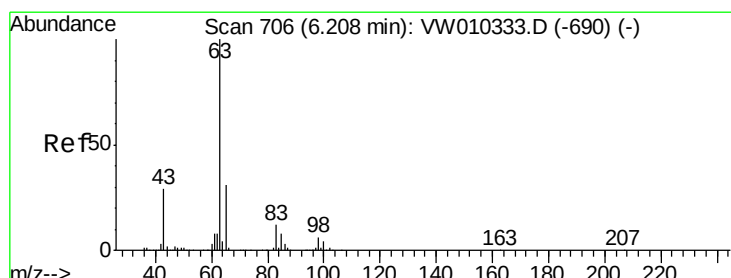
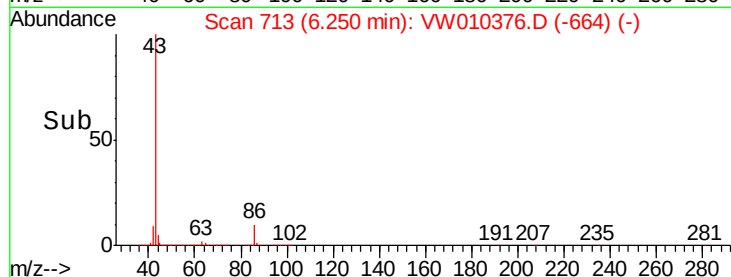
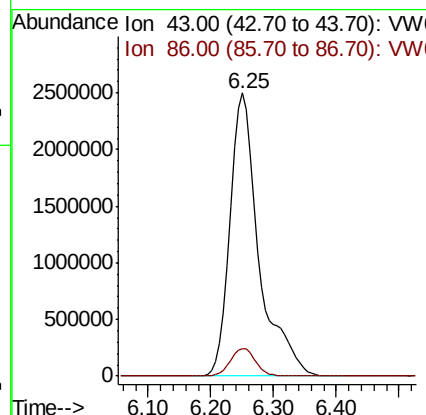
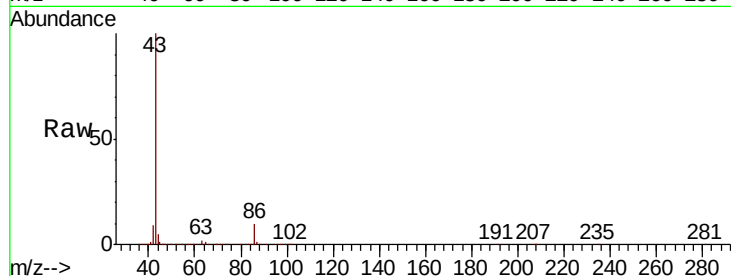




#23
 Vinyl Acetate
 Concen: 271.171 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

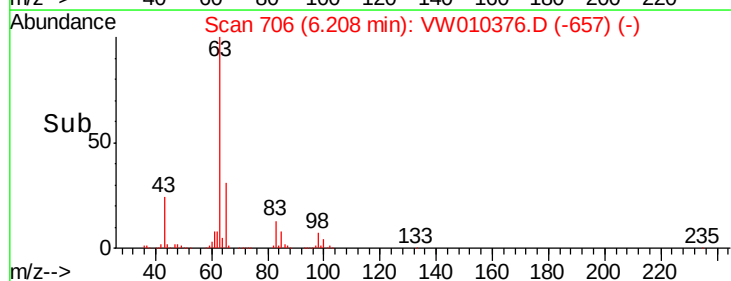
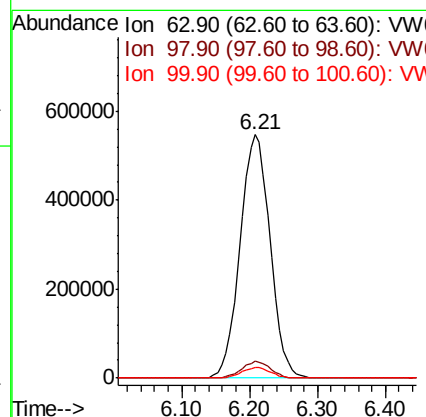
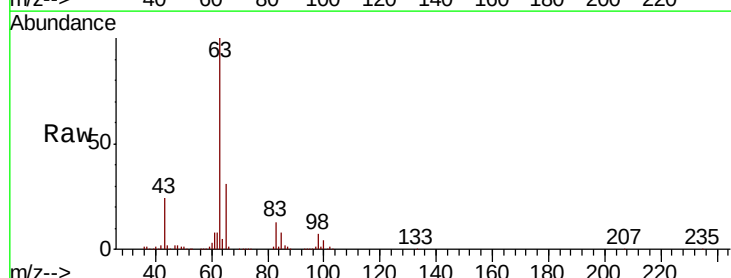
Instrument :
 MSVOA_W
 ClientSampled :

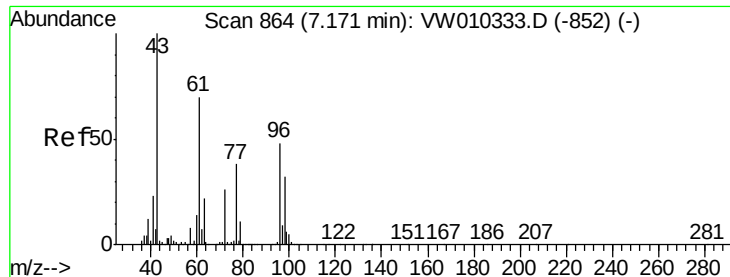
Tot Ion: 43 Resp: 8006874
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 57.847 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion: 63 Resp: 1674765
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 213.140 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

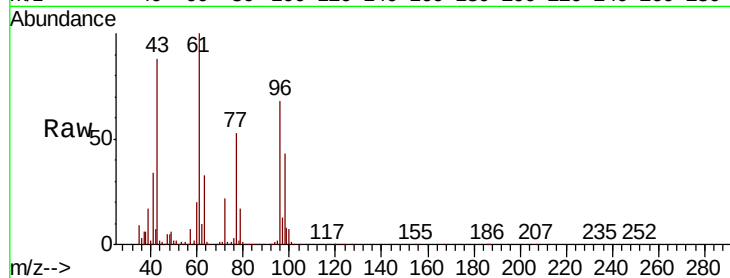
ClientSampled :

Tot Ion: 43 Resp: 1230139

Ion Ratio Lower Upper

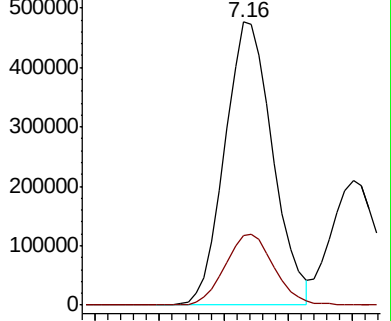
43 100

72 24.7 19.1 28.7

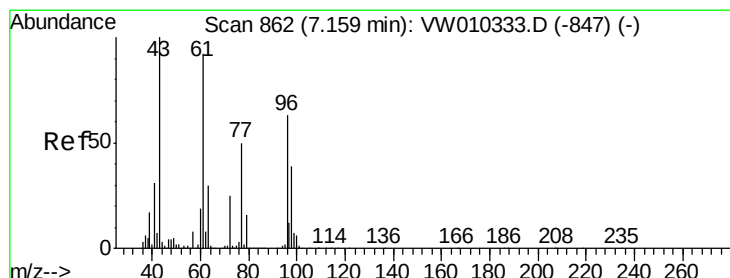
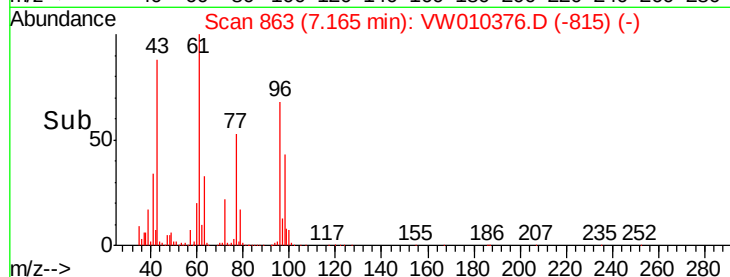


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 58.701 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010376.D

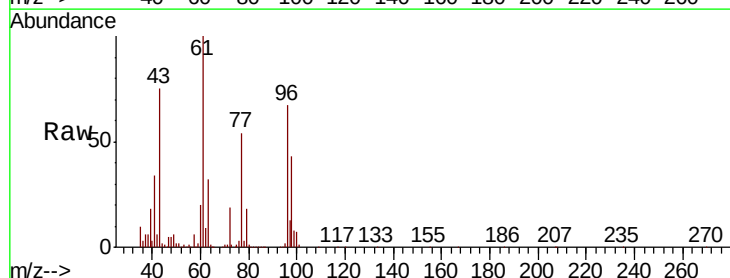
Acq: 11 May 2019 12:37

Tgt Ion: 77 Resp: 845561

Ion Ratio Lower Upper

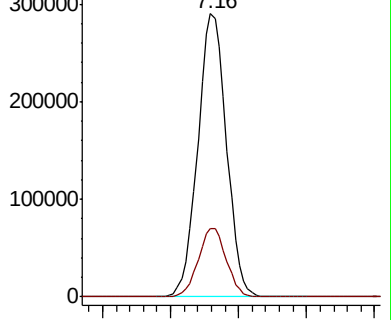
77 100

97 23.7 11.3 33.9

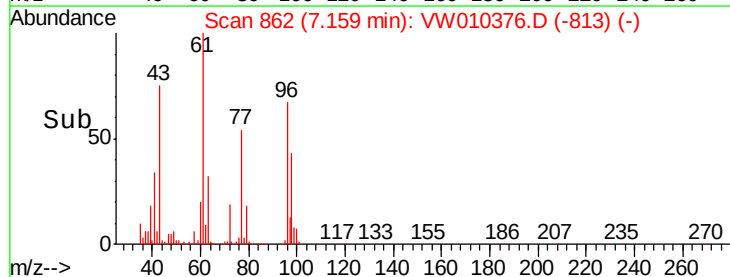


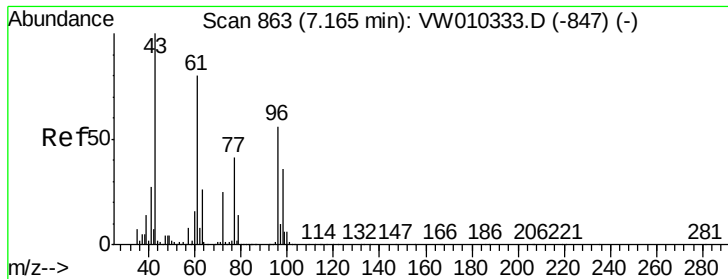
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



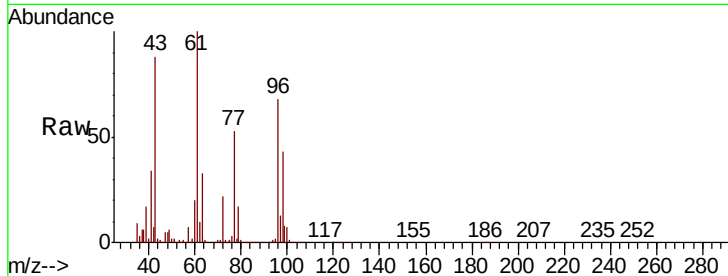


#27

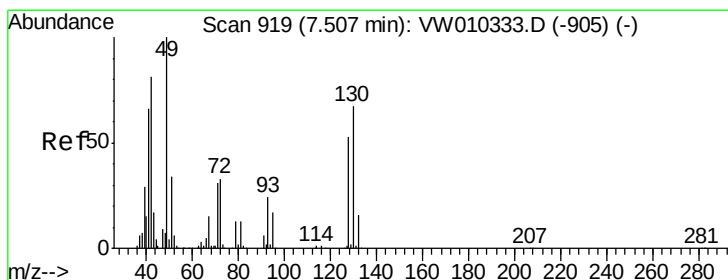
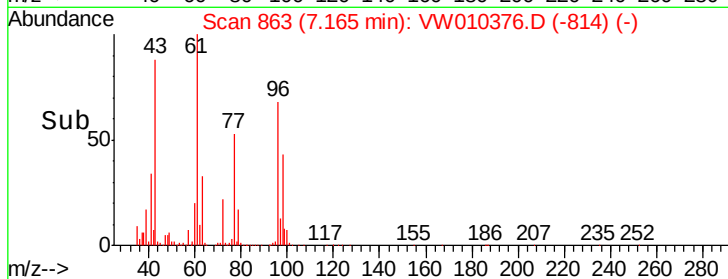
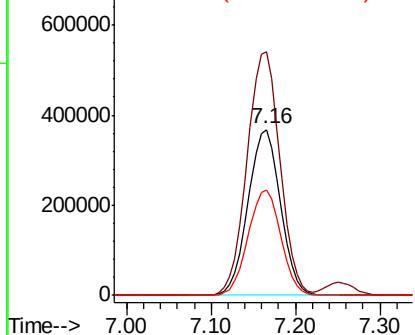
cis-1,2-Dichloroethene
Concen: 58.454 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	960488
Ion Ratio	Lower	Upper	
96	100		
61	149.3	0.0	309.4
98	64.2	0.0	128.6



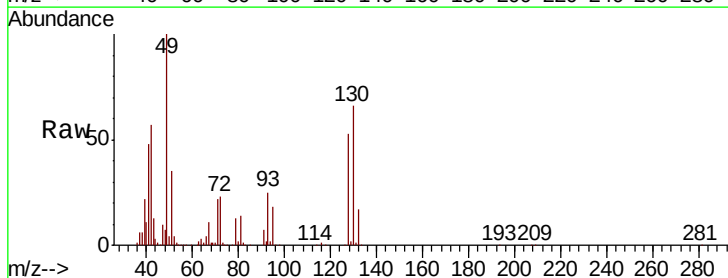
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



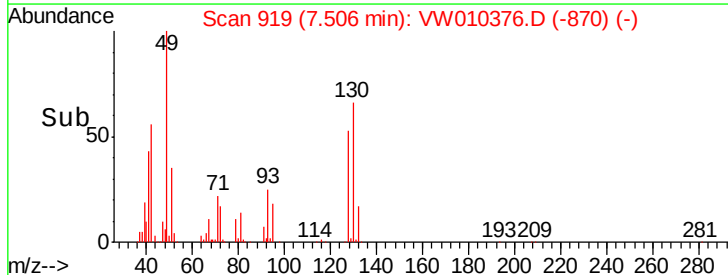
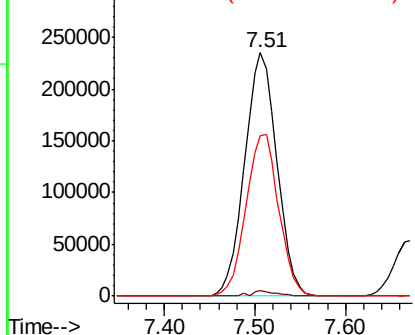
#28

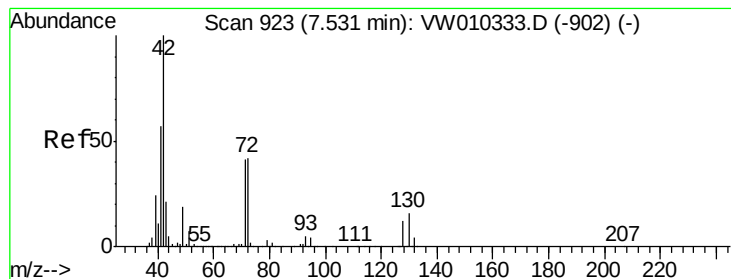
Bromochloromethane
Concen: 54.357 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	49	Resp	580189
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	67.3	54.6	82.0



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: 208.578 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

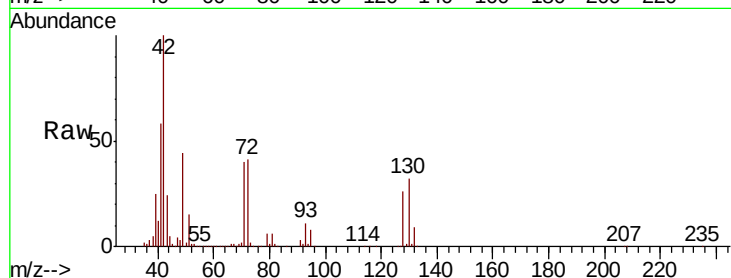
Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 778630

Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.0	46.6
71	39.5	29.7	44.5

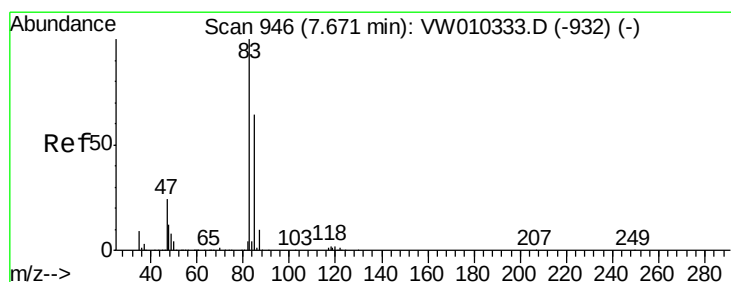
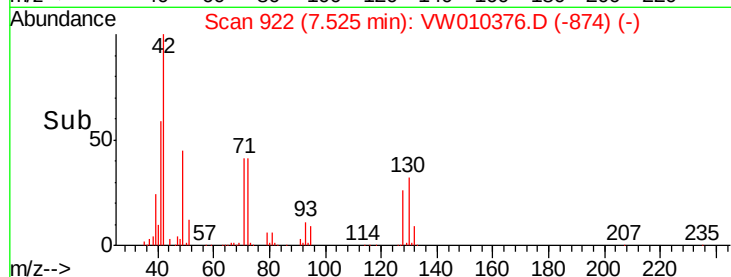
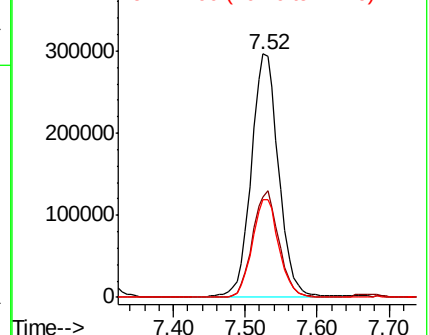


Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 58.494 ug/l

RT: 7.67 min Scan# 946

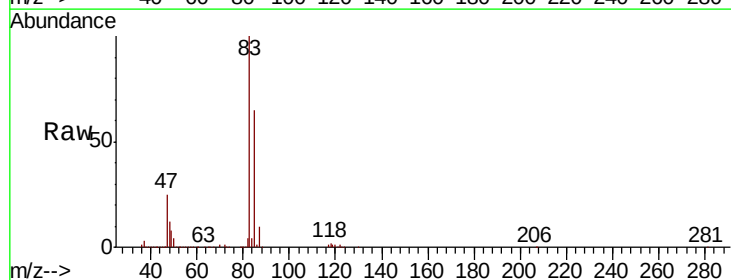
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion: 83 Resp: 1584882

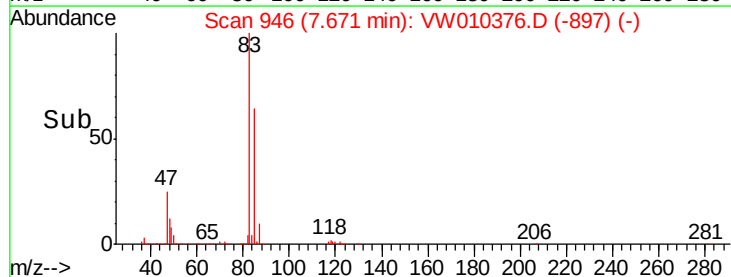
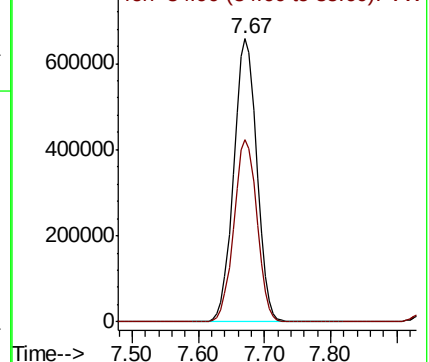
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1

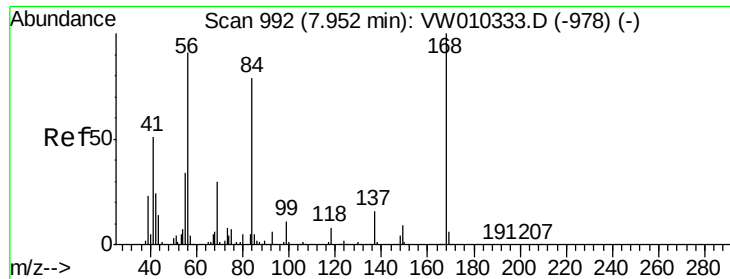


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

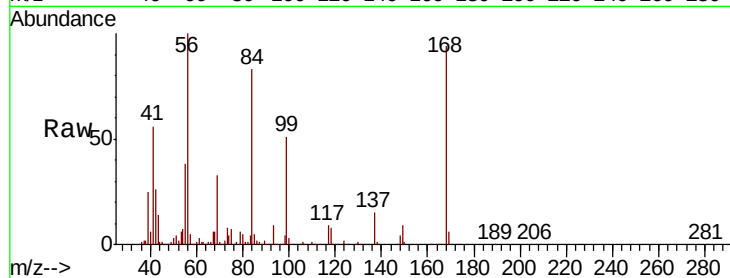




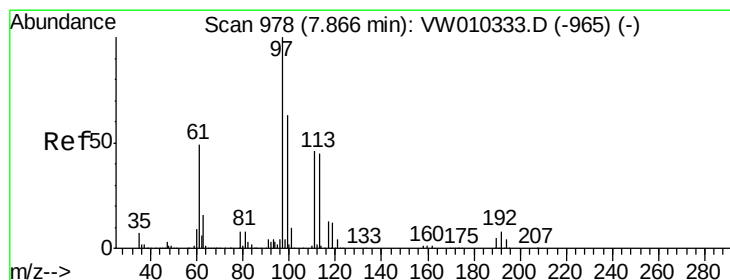
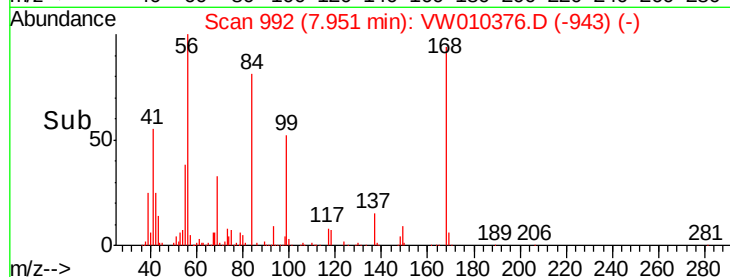
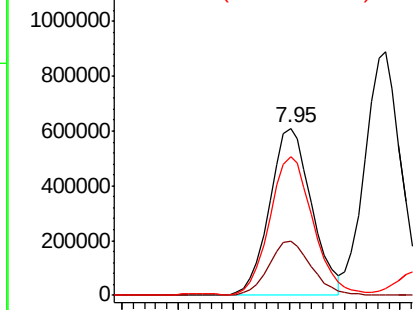
#31
Cyclohexane
Concen: 54.023 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1601446
Ion Ratio Lower Upper
56 100
69 32.6 26.6 40.0
84 81.9 66.2 99.2

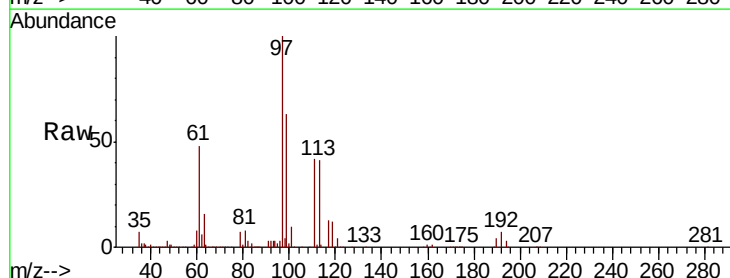


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

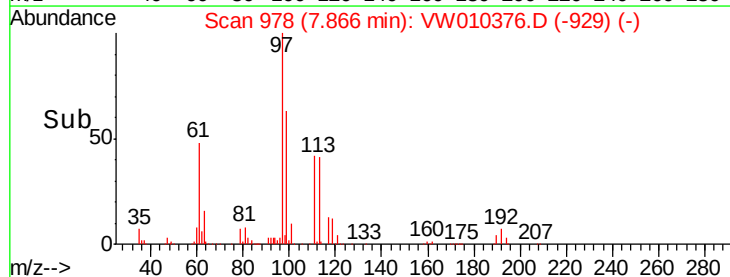
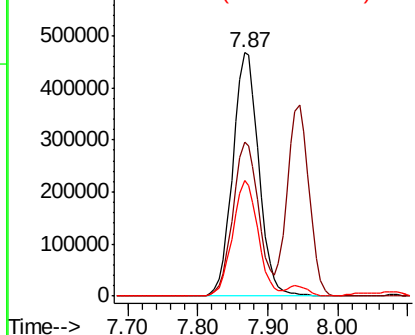


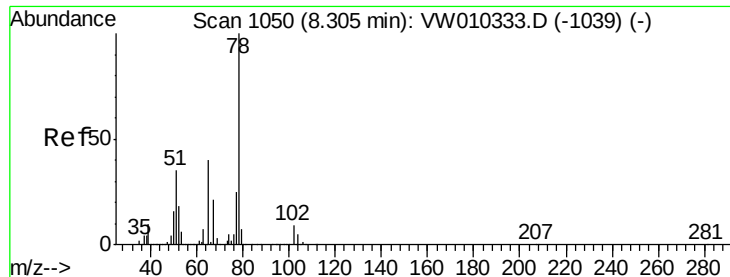
#32
1,1,1-Trichloroethane
Concen: 57.478 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 97 Resp: 1206299
Ion Ratio Lower Upper
97 100
99 63.3 50.2 75.2
61 46.8 38.2 57.2



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

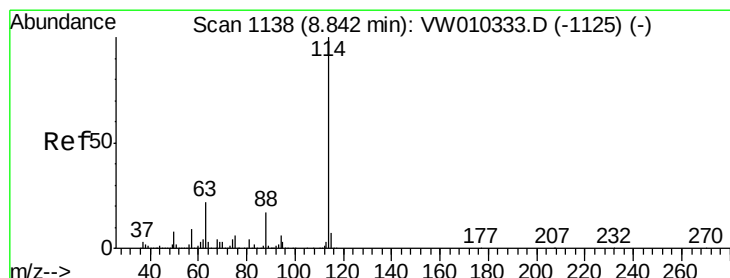
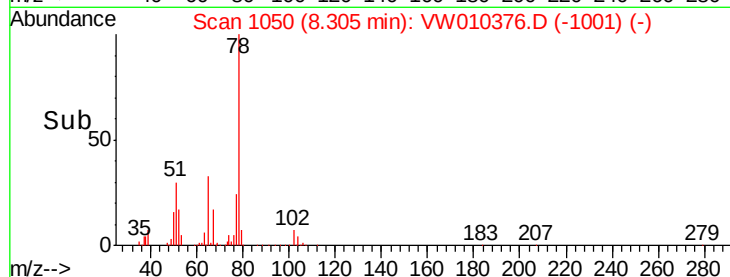
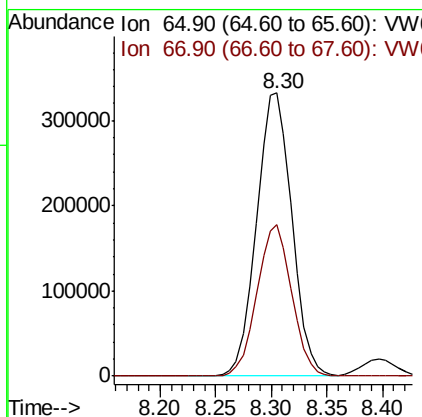
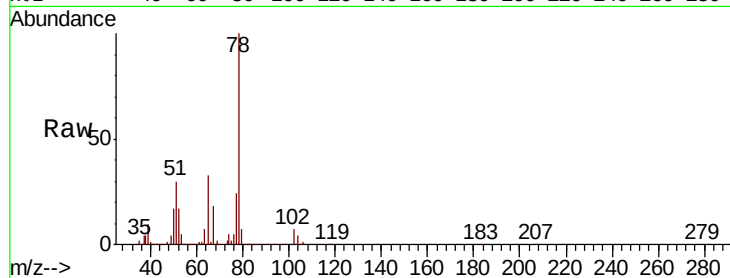




#33
 1,2-Dichloroethane-d4
 Concen: 50.729 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

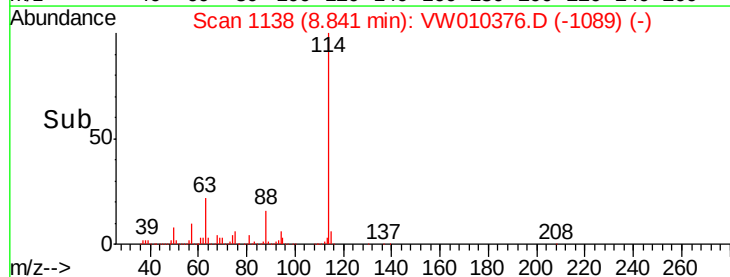
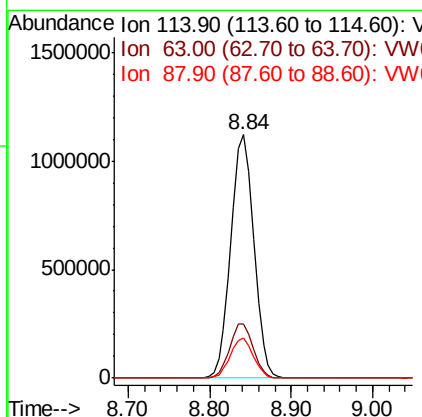
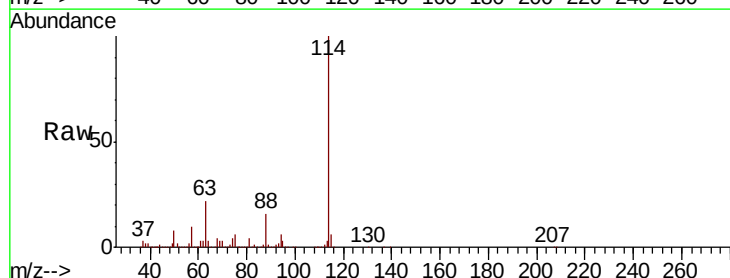
Instrument :
 MSVOA_W
 ClientSampleId :

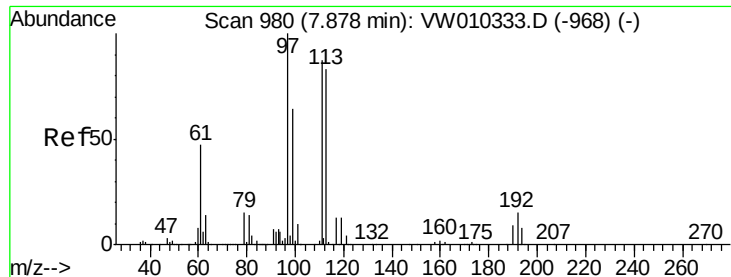
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	46.2
88	16.5	0.0	32.6





#35

Dibromofluoromethane

Concen: 52.326 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

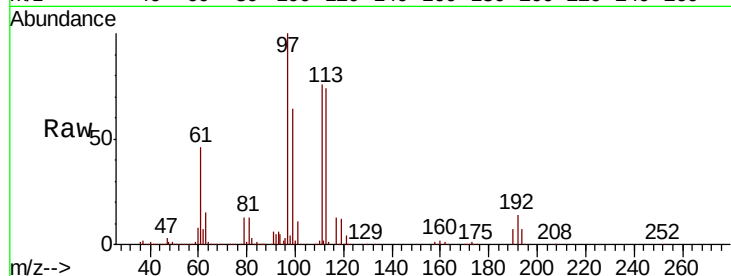
Tot Ion:113 Resp: 666734

Ion Ratio Lower Upper

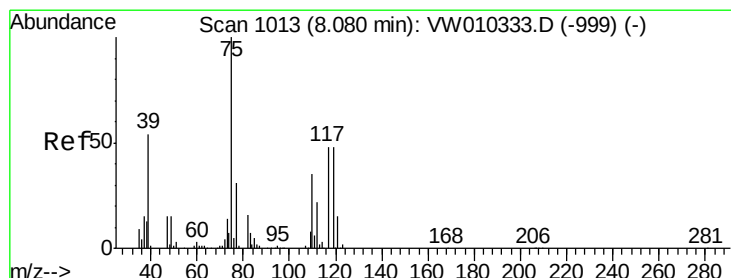
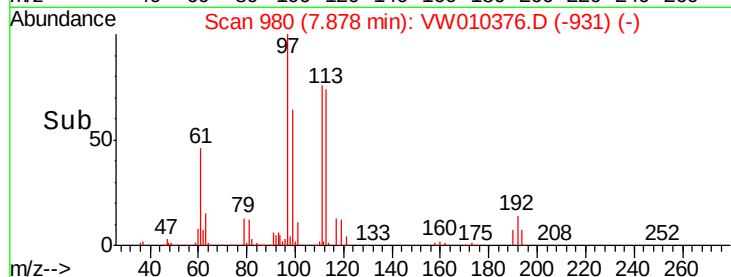
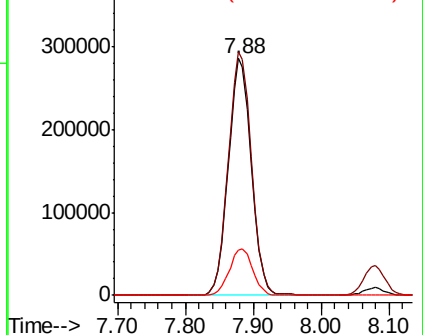
113 100

111 103.6 82.6 123.8

192 20.0 15.4 23.2



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: 56.608 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

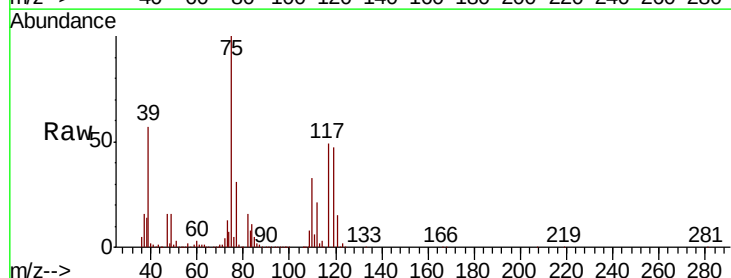
Tgt Ion: 75 Resp: 1336443

Ion Ratio Lower Upper

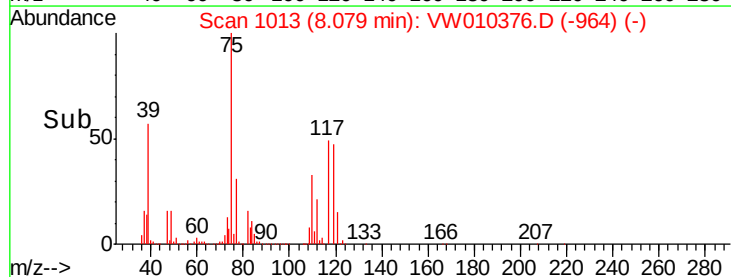
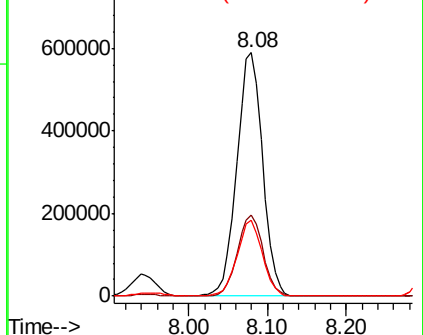
75 100

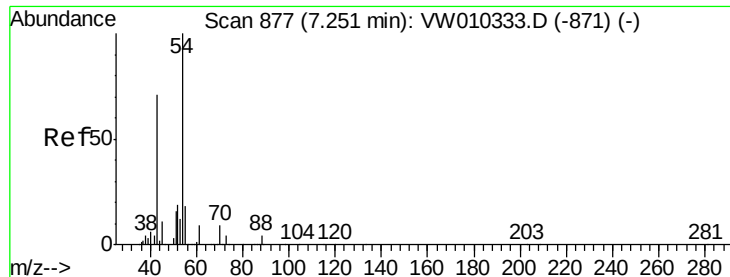
110 33.1 16.6 49.8

77 30.7 24.8 37.2



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

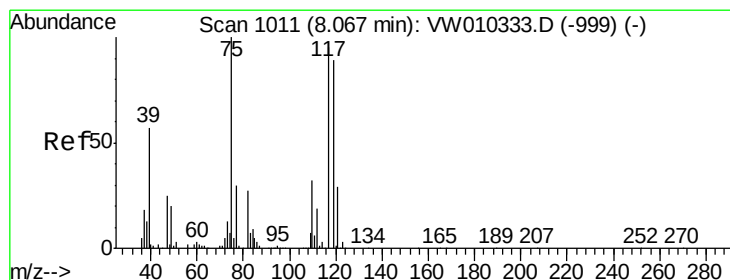
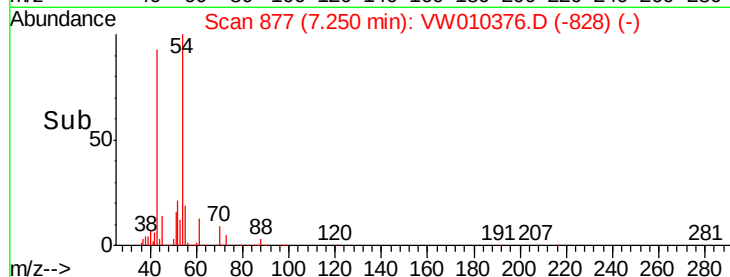
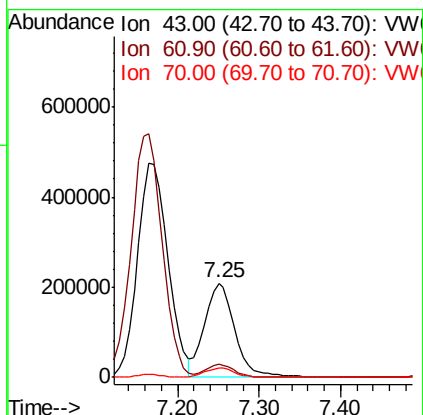
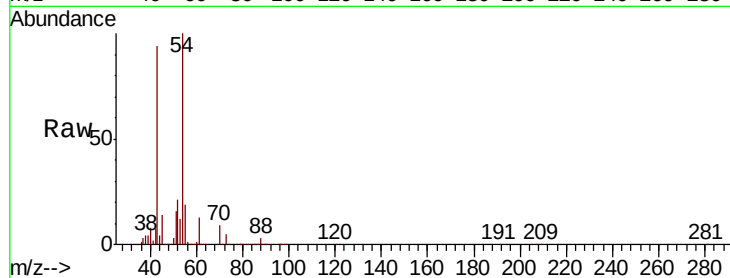




#37
Ethyl Acetate
Concen: 43.056 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

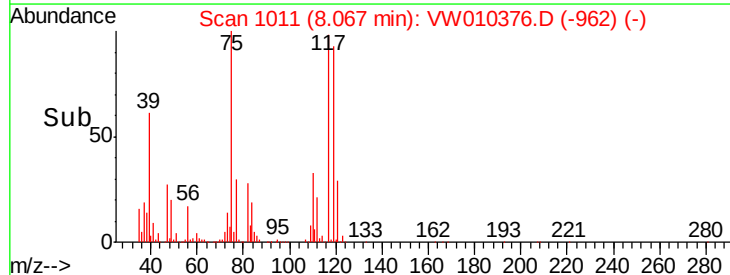
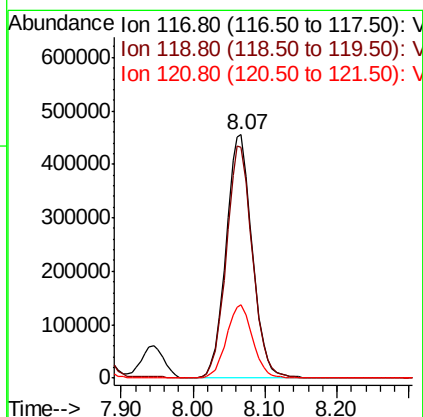
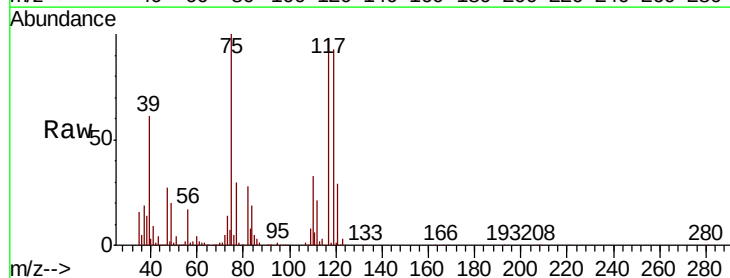
Instrument :
MSVOA_W
ClientSampleId :

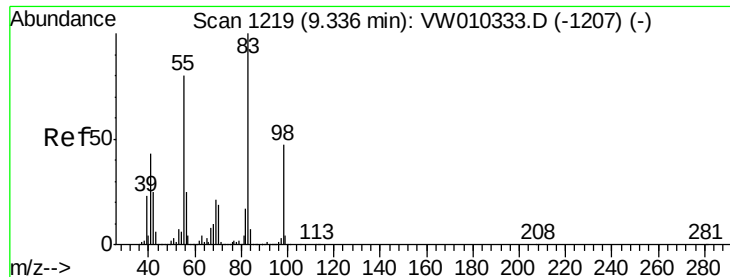
Tot Ion: 43 Resp: 541233
Ion Ratio Lower Upper
43 100
61 13.1 9.8 14.8
70 9.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 56.823 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 117 Resp: 1149970
Ion Ratio Lower Upper
117 100
119 94.9 75.3 112.9
121 30.1 24.4 36.6

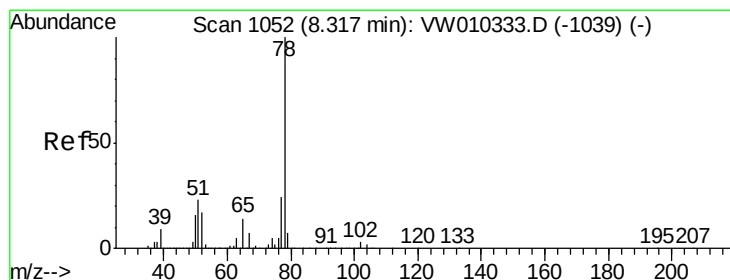
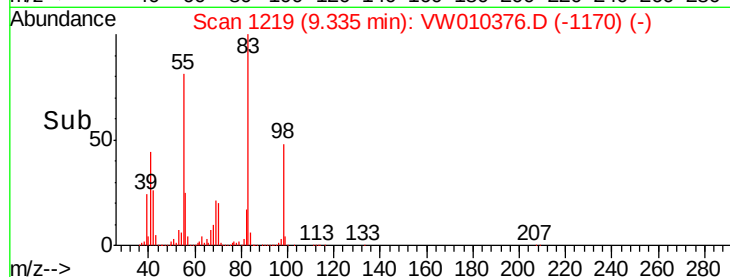
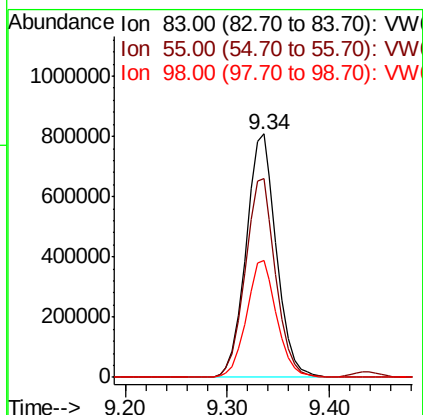
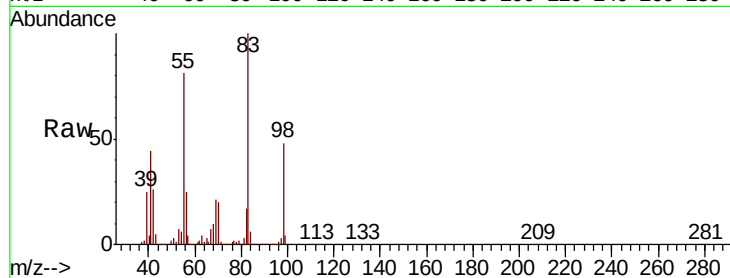




#39
Methylvlcyclohexane
Concen: 57.728 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

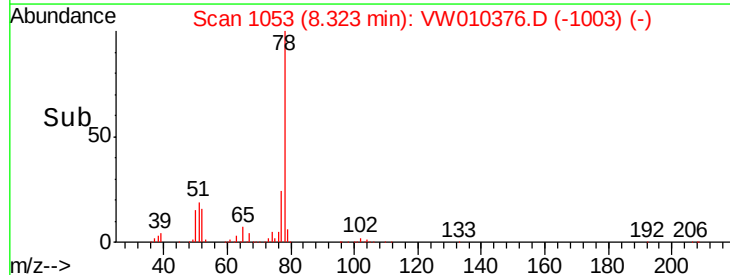
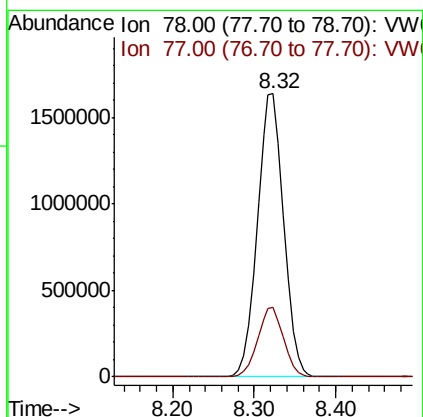
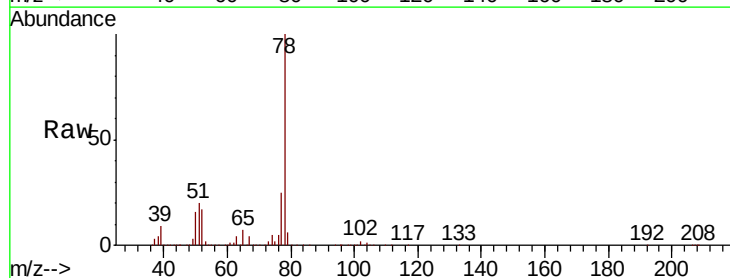
Instrument :
MSVOA_W
ClientSampled :

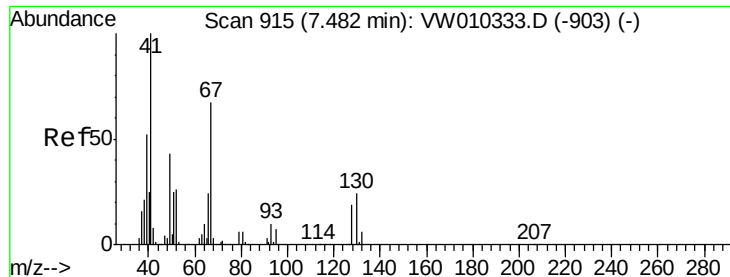
Tot Ion: 83 Resp: 1667246
Ion Ratio Lower Upper
83 100
55 81.4 67.1 100.7
98 48.2 39.2 58.8



#40
Benzene
Concen: 56.777 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 78 Resp: 3670980
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7





#41

Methacrylonitrile

Concen: 46.364 ug/l

RT: 7.48 min Scan# 915

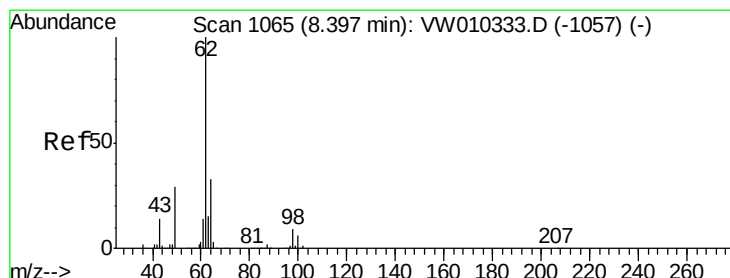
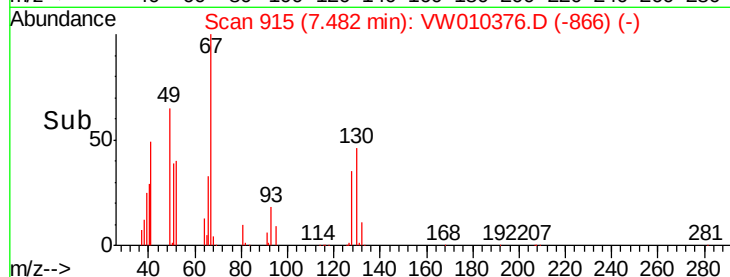
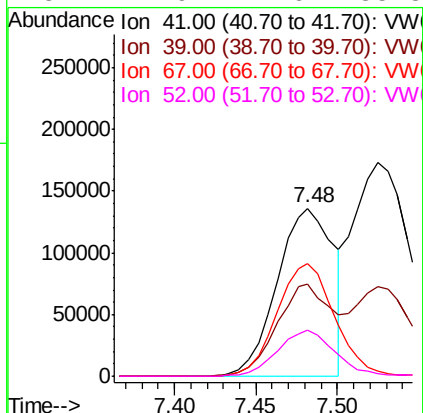
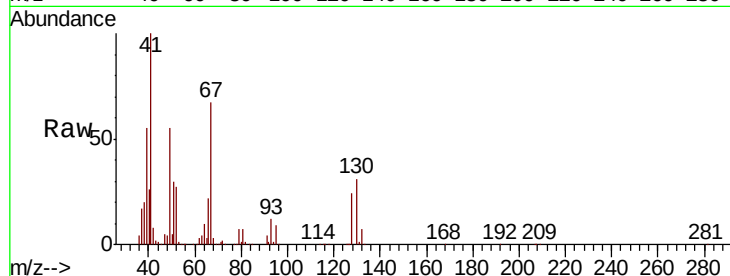
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	326843
Ion	Ratio	Lower	Upper
41	100		
39	52.9	45.0	67.4
67	68.8	50.7	76.1
52	27.9	22.6	33.8



#42

1,2-Dichloroethane

Concen: 56.092 ug/l

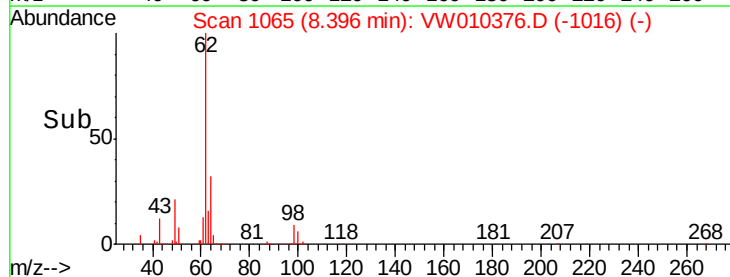
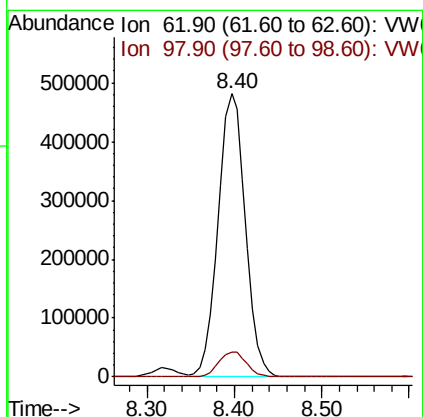
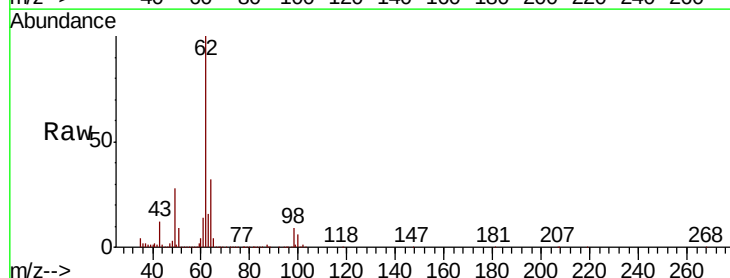
RT: 8.40 min Scan# 1065

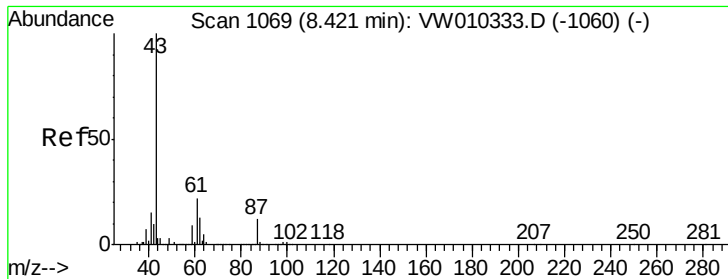
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion:	62	Resp:	1038105
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 47.336 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

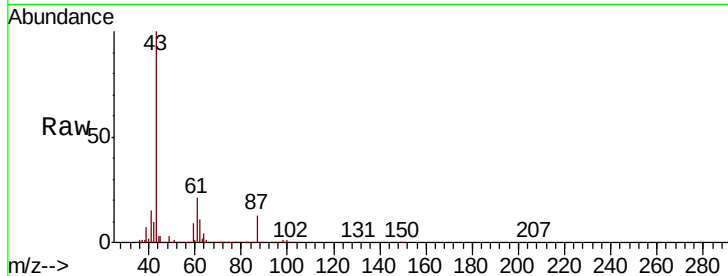
Tot Ion: 43 Resp: 986830

Ion Ratio Lower Upper

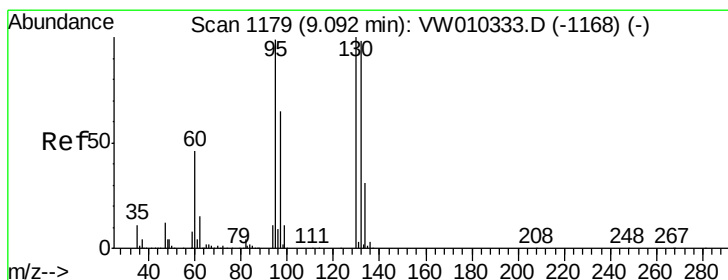
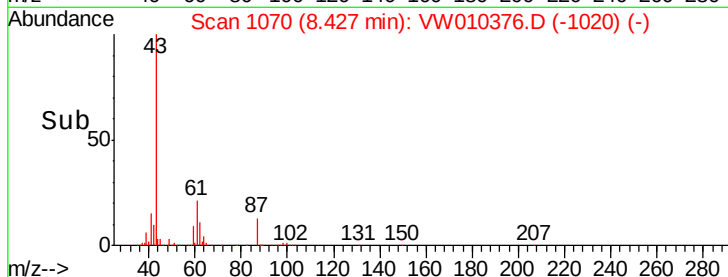
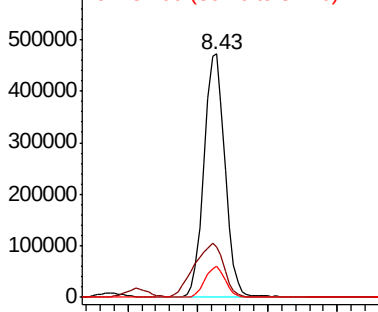
43 100

61 31.2 23.0 34.6

87 12.4 9.3 13.9



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: 56.704 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010376.D

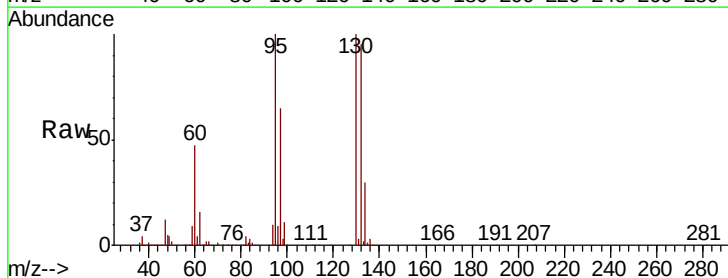
Acq: 11 May 2019 12:37

Tgt Ion: 130 Resp: 917847

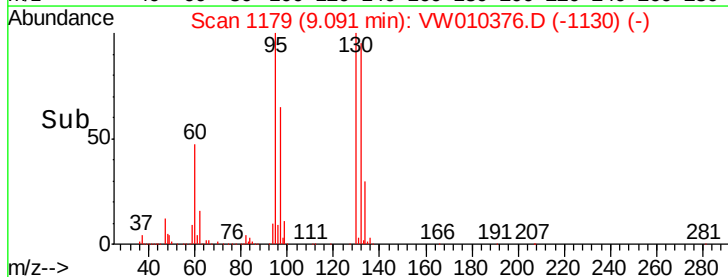
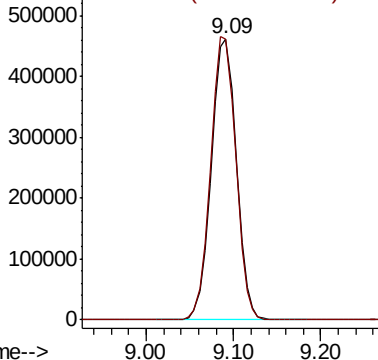
Ion Ratio Lower Upper

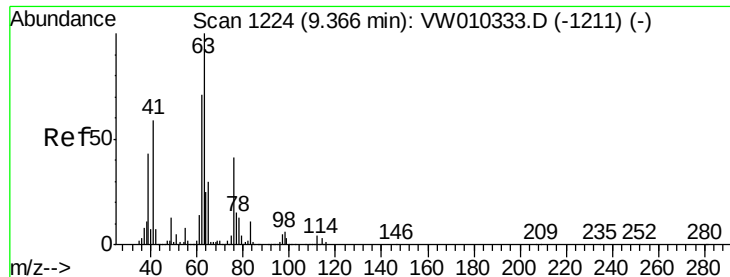
130 100

95 99.8 0.0 205.4



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

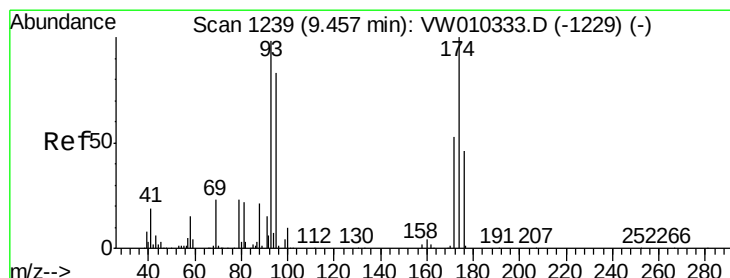
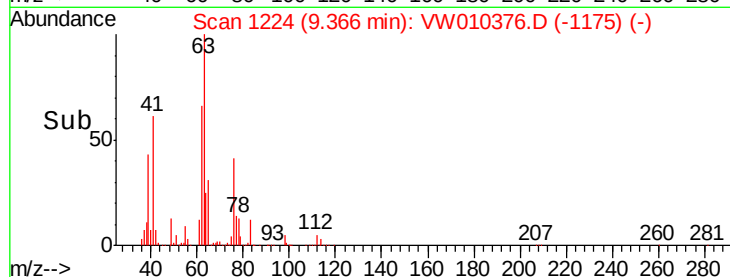
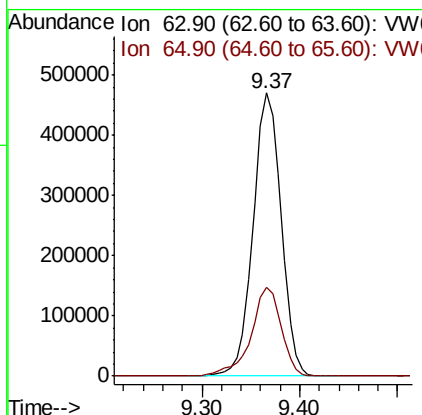
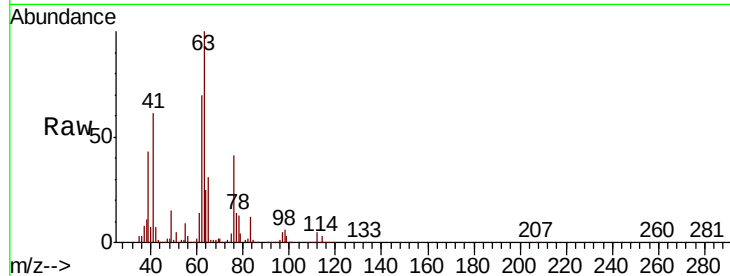




#45
 1,2-Dichloropropane
 Concen: 58.338 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

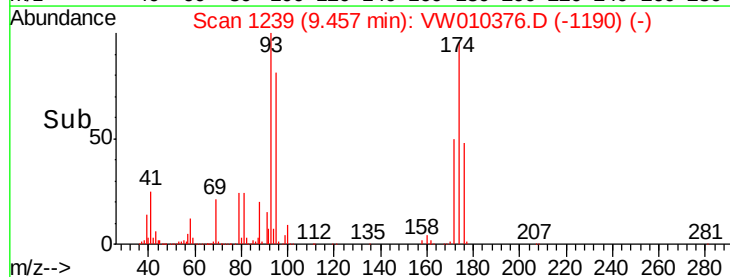
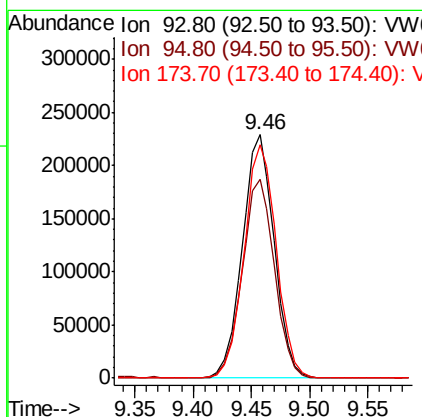
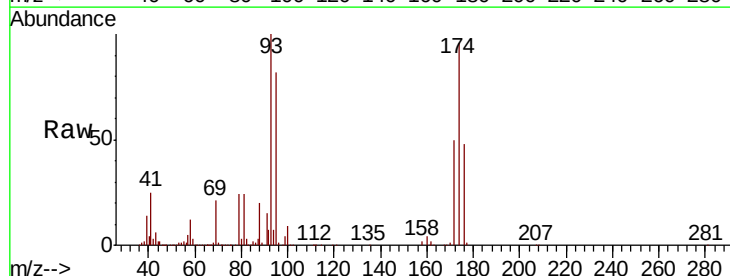
Instrument :
 MSVOA_W
 ClientSampled :

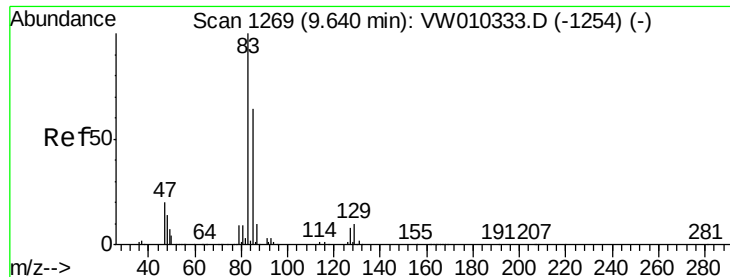
Tot Ion: 63 Resp: 937585
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.6



#46
 Dibromomethane
 Concen: 52.618 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion: 93 Resp: 436876
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.8 98.8
 174 97.3 75.5 113.3



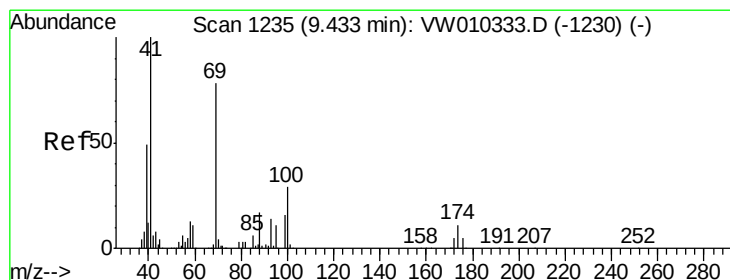
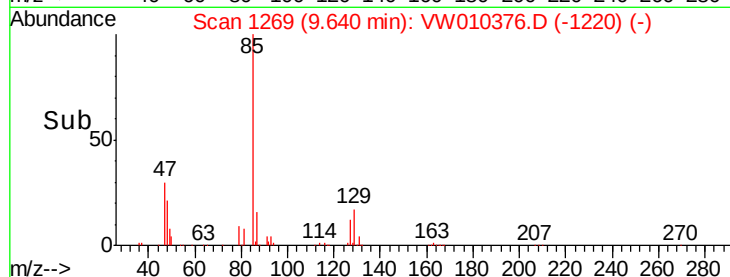
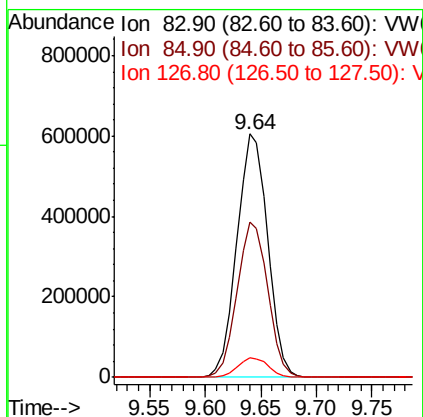
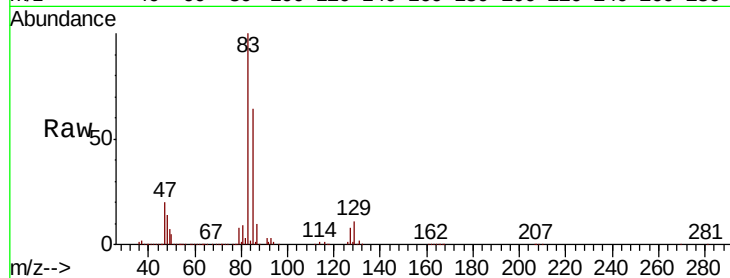


#47
 Bromodichloromethane
 Concen: 58.382 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 83 Resp: 1162767

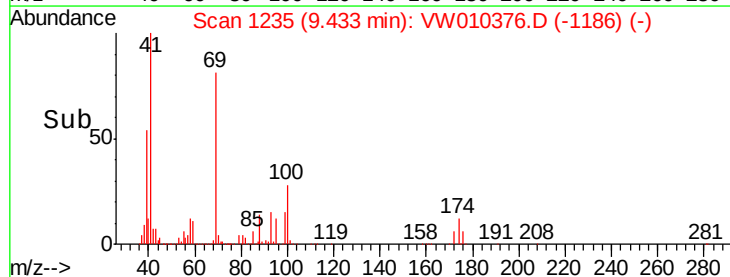
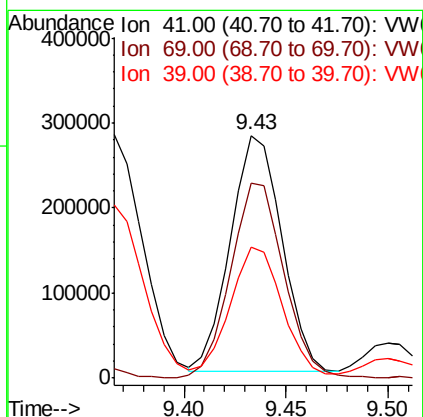
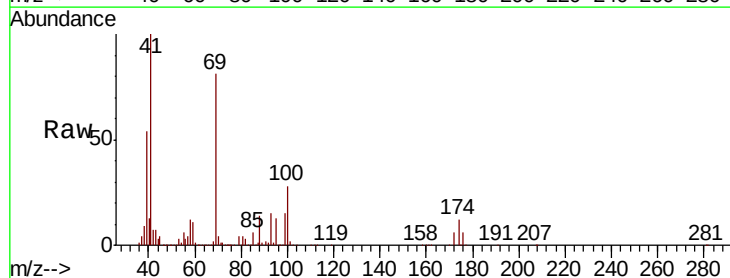
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	75.8
127	7.8	6.6	10.0

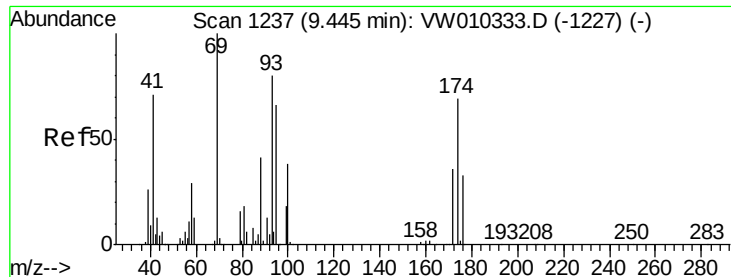


#48
 Methyl methacrylate
 Concen: 49.435 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion: 41 Resp: 487287

Ion	Ratio	Lower	Upper
41	100		
69	85.9	60.1	90.1
39	53.2	51.0	76.6

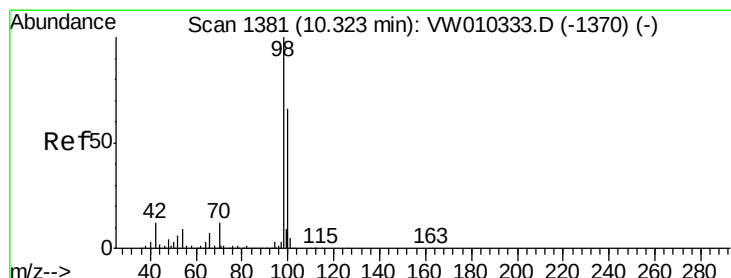
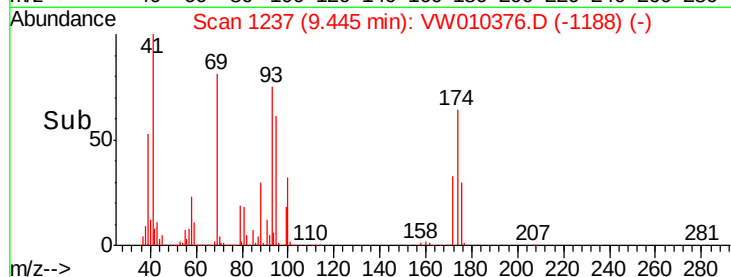
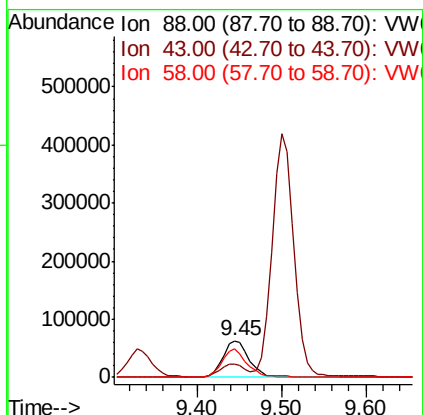
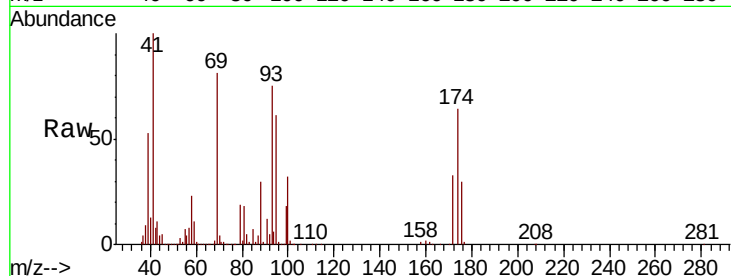




#49
1,4-Dioxane
Concen: 914.992 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

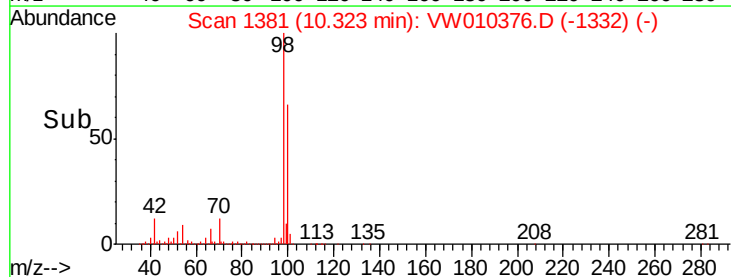
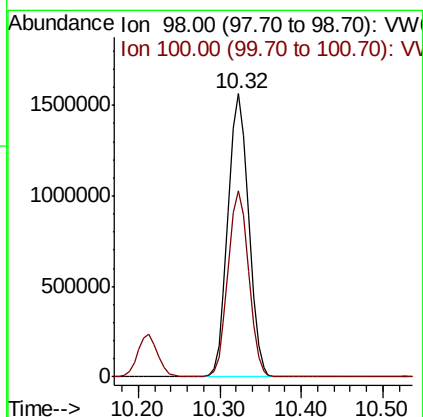
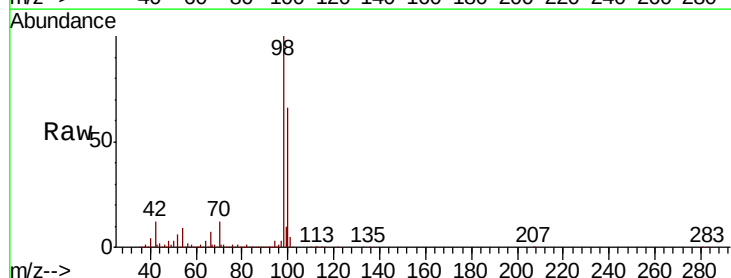
Instrument :
MSVOA_W
ClientSampleId :

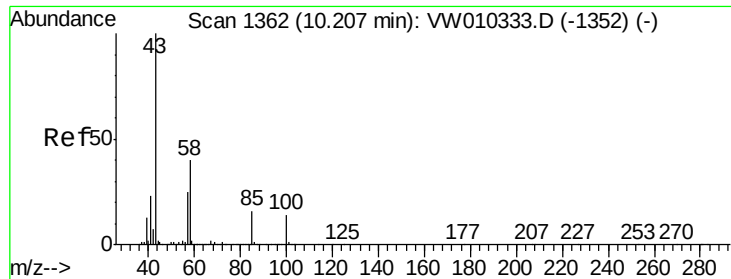
Tot Ion: 88 Resp: 132485
Ion Ratio Lower Upper
88 100
43 34.4 31.9 47.9
58 77.3 61.8 92.6



#50
Toluene-d8
Concen: 52.594 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 98 Resp: 2728869
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5

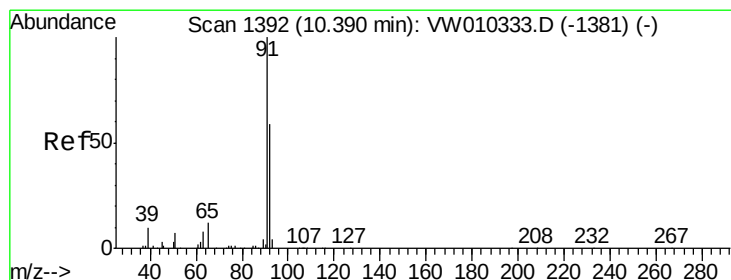
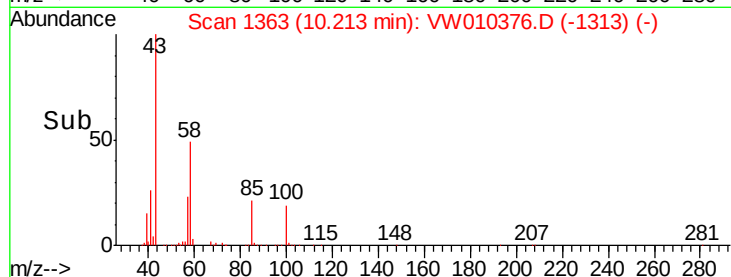
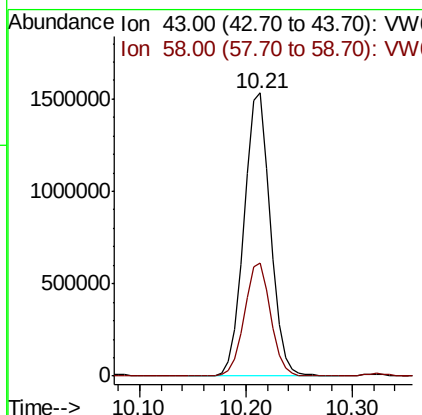
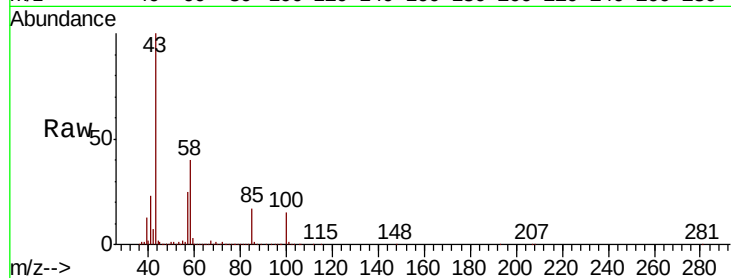




#51
4-Methyl-2-Pentanone
Concen: 223.307 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

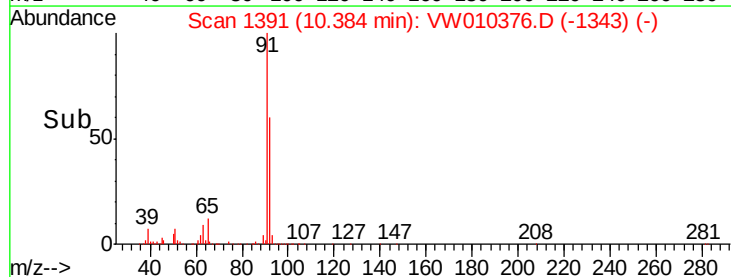
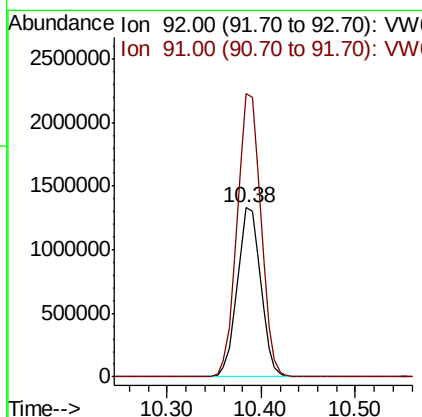
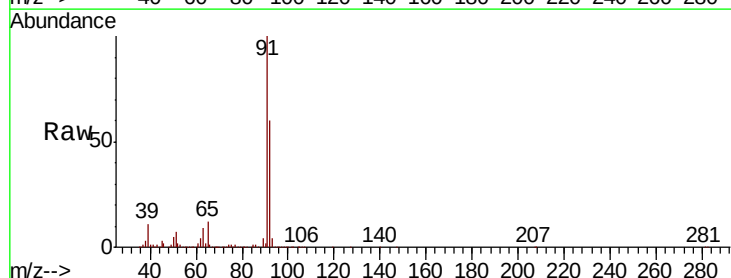
Instrument :
MSVOA_W
ClientSampleId :

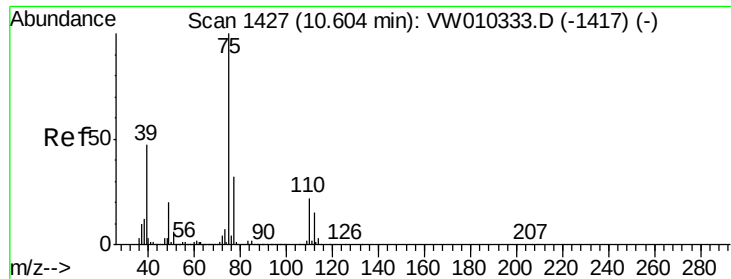
Tot Ion: 43 Resp: 2669427
Ion Ratio Lower Upper
43 100
58 39.7 28.9 43.3



#52
Toluene
Concen: 58.335 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 92 Resp: 2305353
Ion Ratio Lower Upper
92 100
91 170.5 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 58.513 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

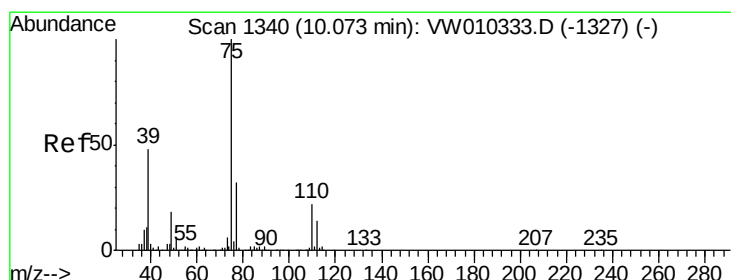
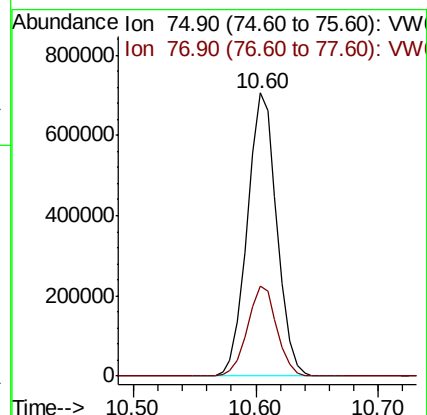
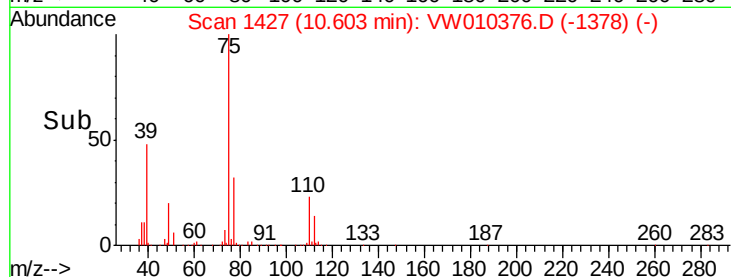
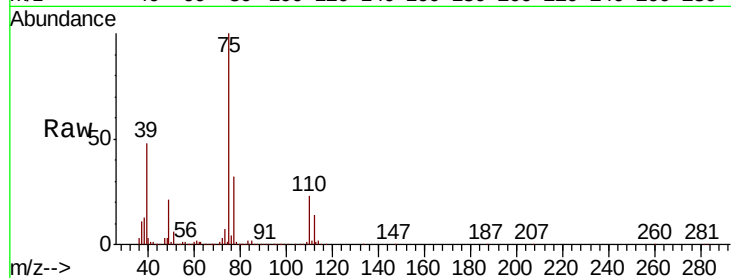
ClientSampleId :

Tot Ion: 75 Resp: 1180440

Ion Ratio Lower Upper

75 100

77 31.8 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 59.707 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

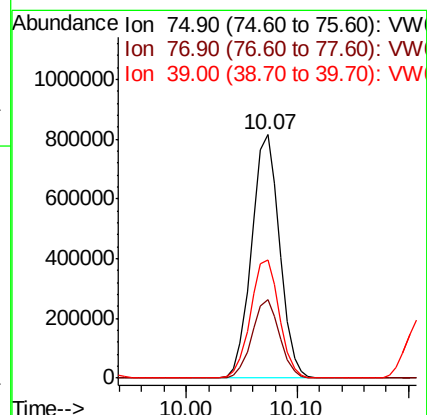
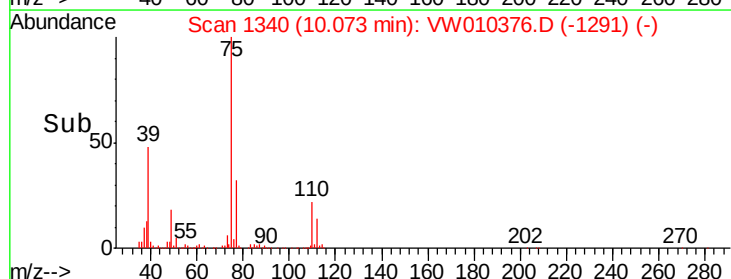
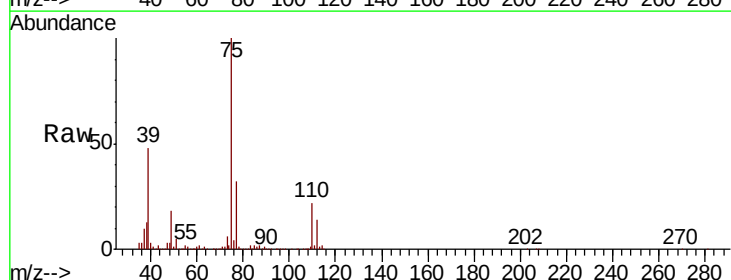
Tgt Ion: 75 Resp: 1426514

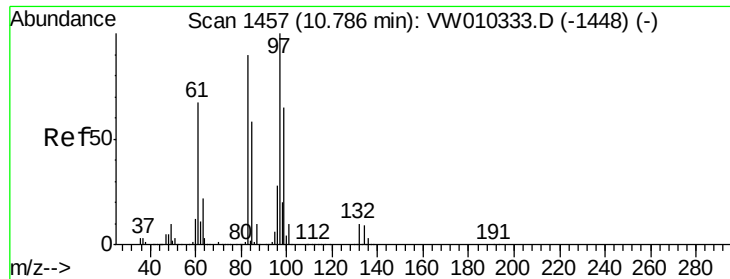
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 48.4 47.8 71.6

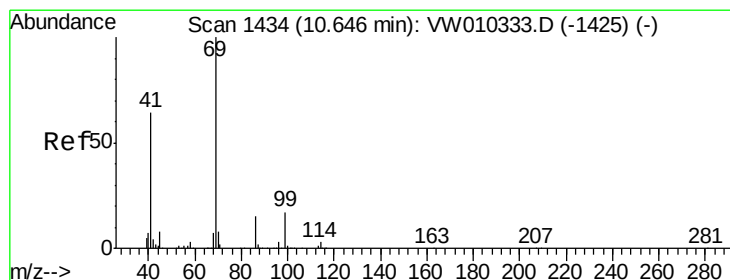
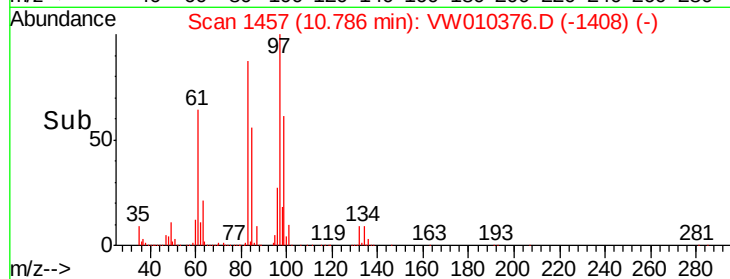
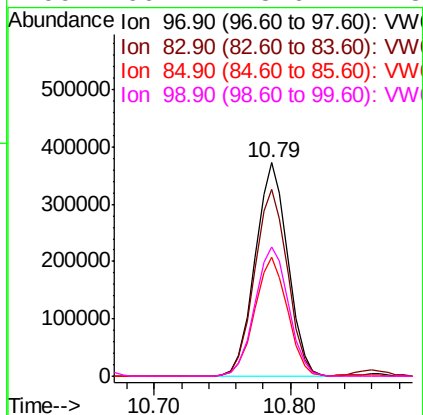
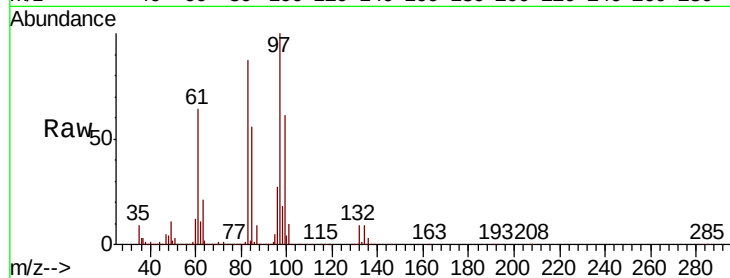




#55
 1,1,2-Trichloroethane
 Concen: 53.259 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

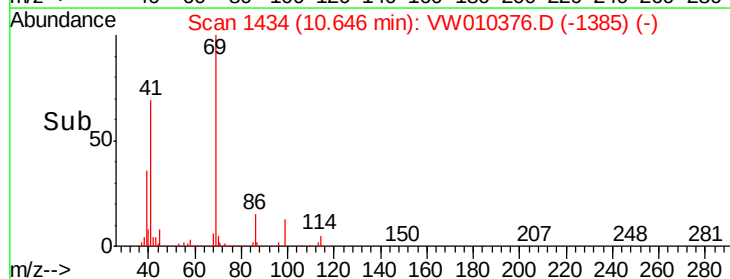
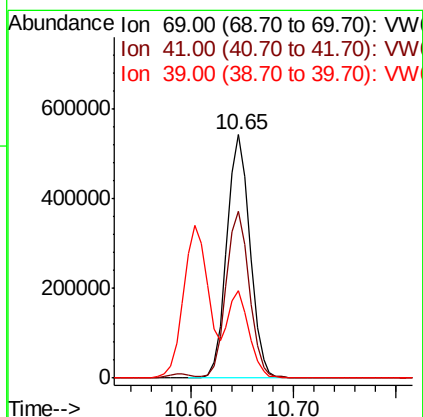
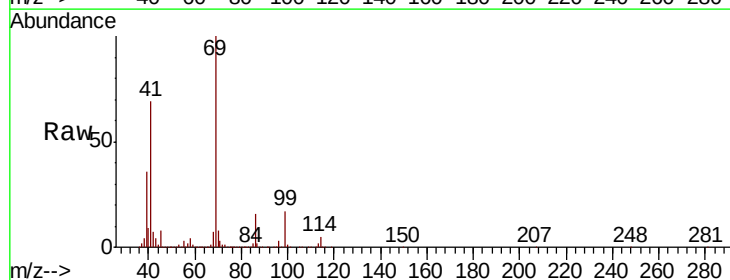
Instrument :
 MSVOA_W
 ClientSampleId :

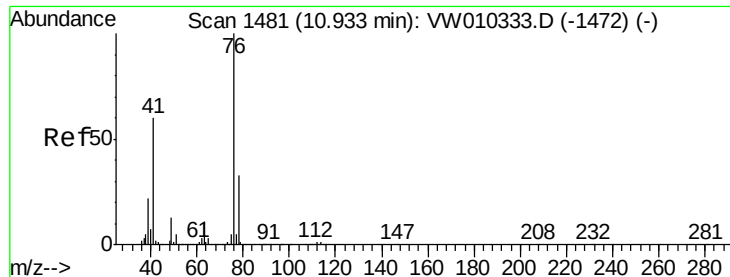
Tot Ion:	97	Resp:	628066
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.9	103.3
85	55.7	42.9	64.3
99	60.7	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 54.571 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion:	69	Resp:	849824
Ion	Ratio	Lower	Upper
69	100		
41	68.6	61.0	91.6
39	33.1	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 54.969 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

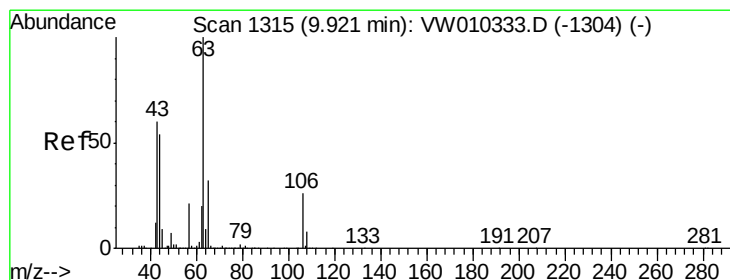
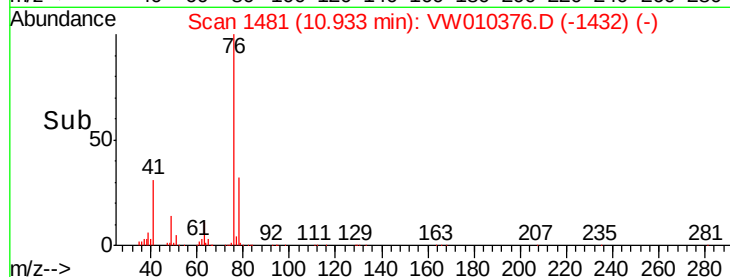
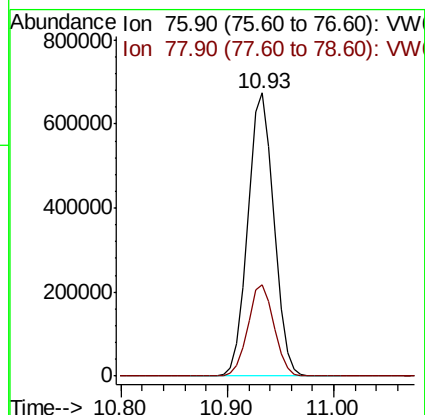
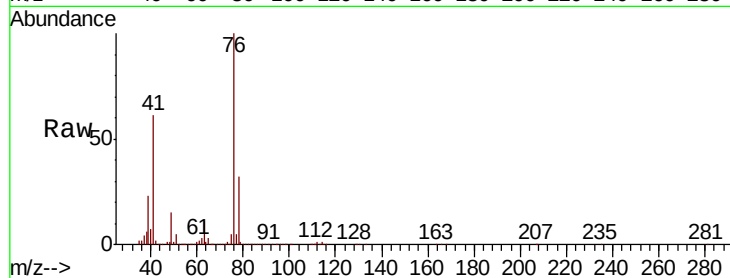
ClientSampleId :

Tot Ion: 76 Resp: 1158855

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 245.451 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010376.D

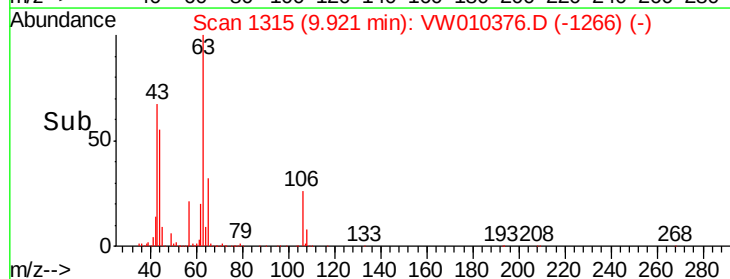
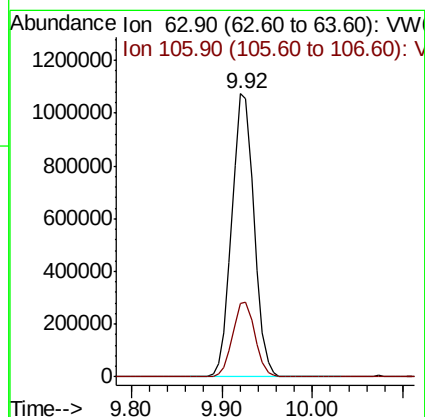
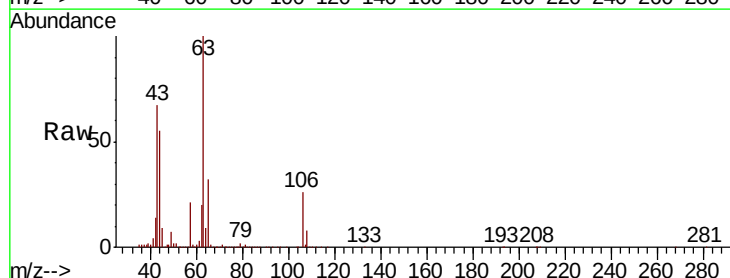
Acq: 11 May 2019 12:37

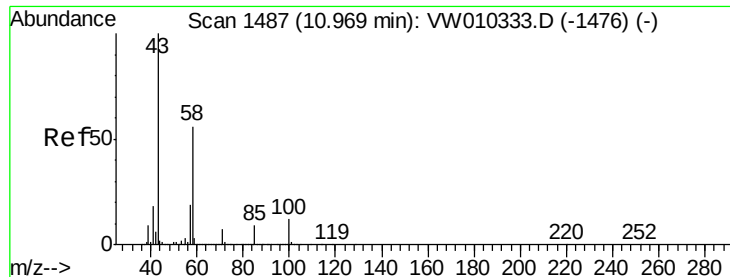
Tgt Ion: 63 Resp: 1830086

Ion Ratio Lower Upper

63 100

106 26.5 21.4 32.0

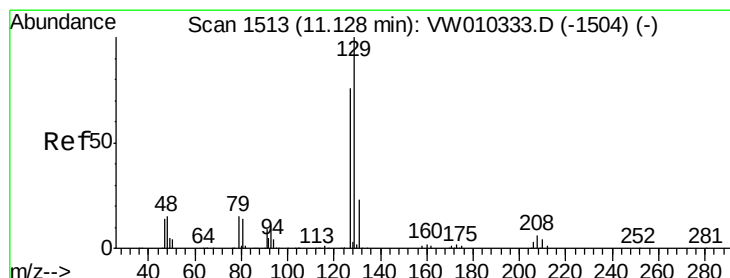
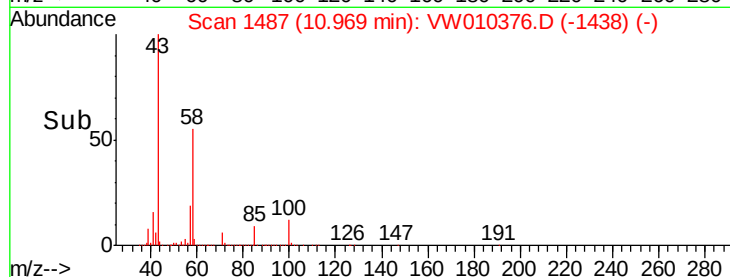
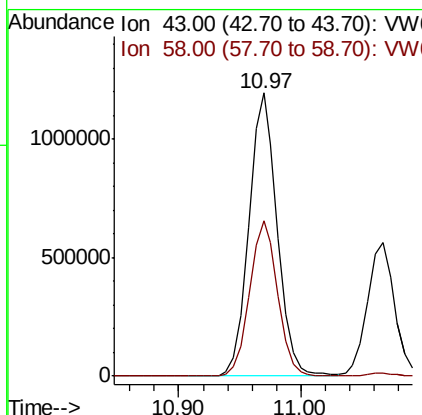
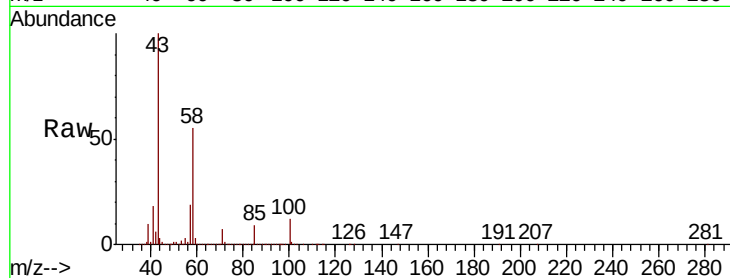




#59
2-Hexanone
Concen: 226.262 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

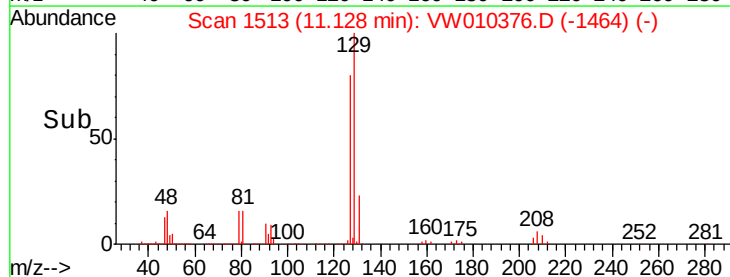
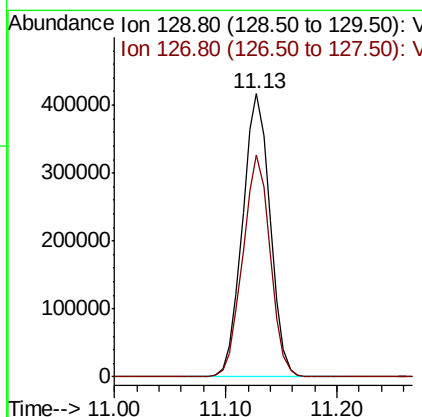
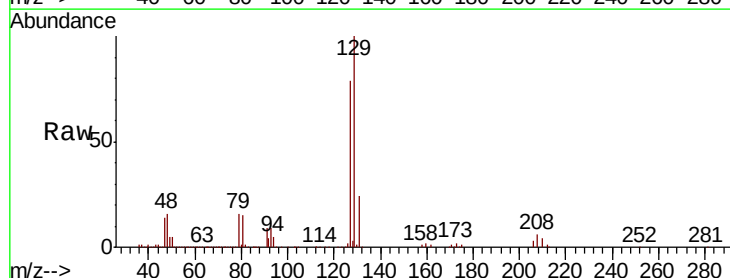
Instrument :
MSVOA_W
ClientSampleId :

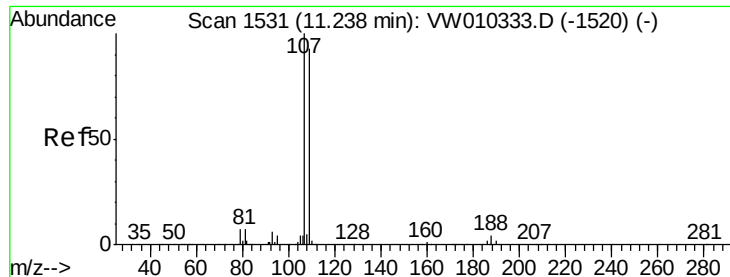
Tot Ion: 43 Resp: 1912357
Ion Ratio Lower Upper
43 100
58 54.7 24.9 74.7



#60
Dibromochloromethane
Concen: 56.540 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:129 Resp: 717477
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.645 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

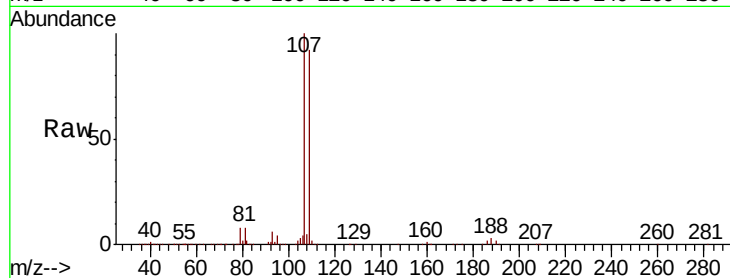
ClientSampleId :

Tot Ion:107 Resp: 595977

Ion Ratio Lower Upper

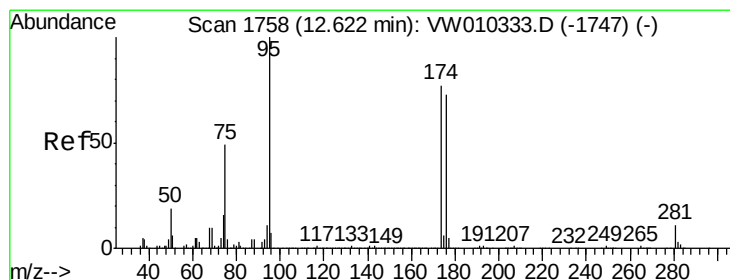
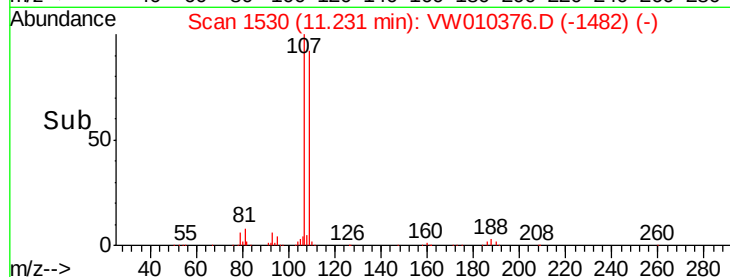
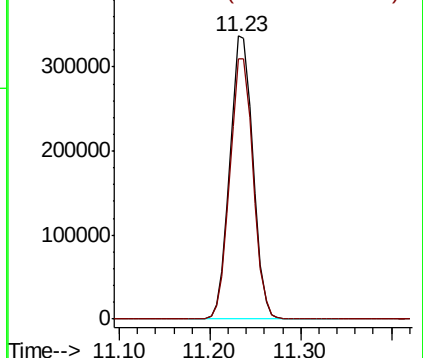
107 100

109 92.9 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.664 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

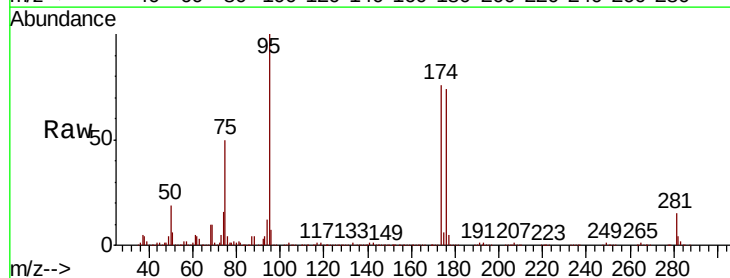
Tgt Ion: 95 Resp: 980109

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

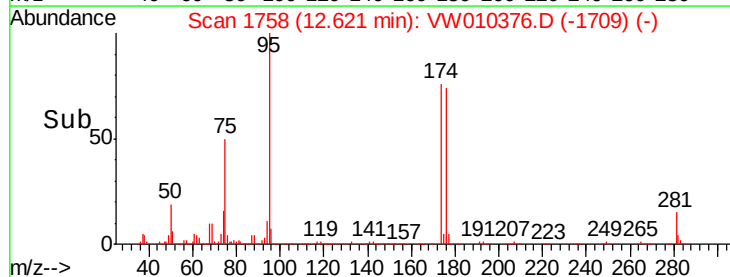
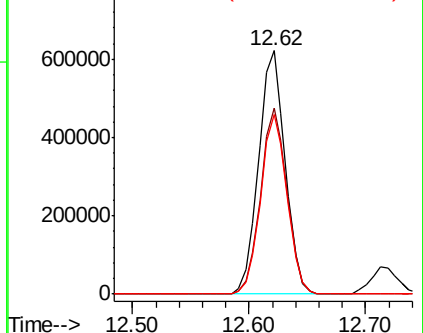
176 73.2 0.0 146.2

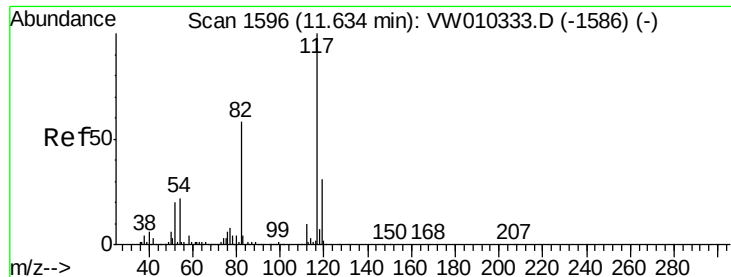


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

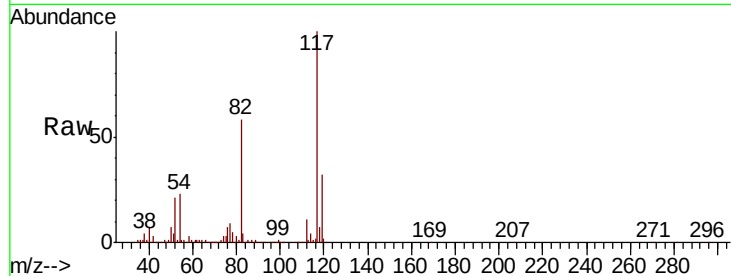




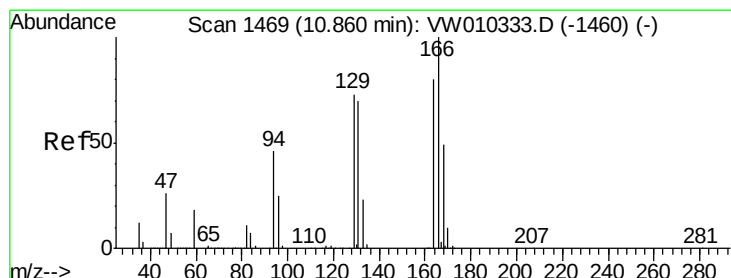
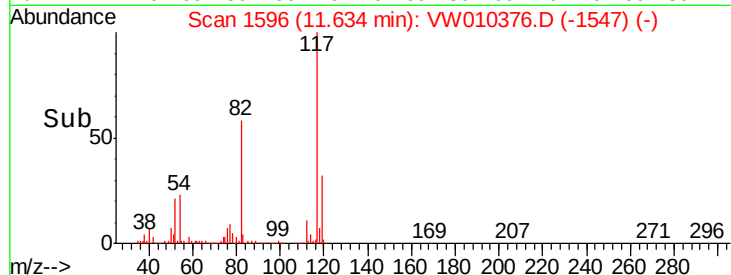
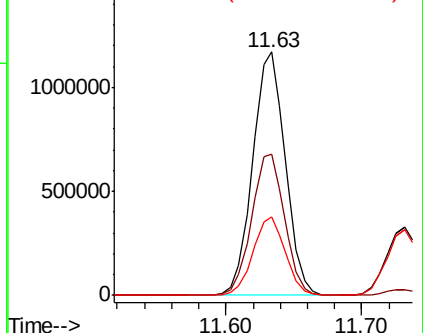
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 1969592
Ion Ratio Lower Upper
117 100
82 58.2 45.2 67.8
119 32.5 25.4 38.2

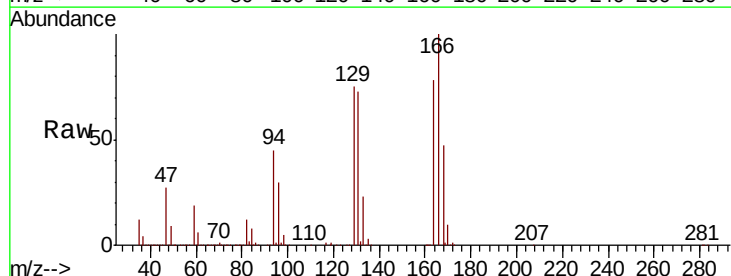


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

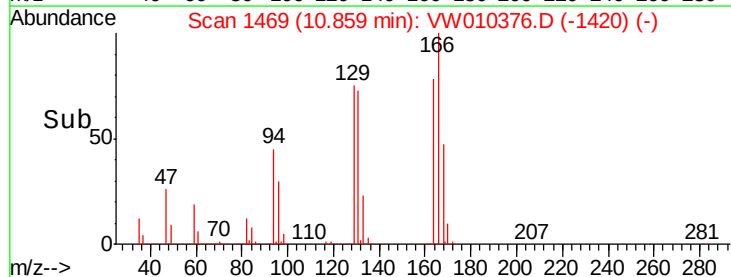
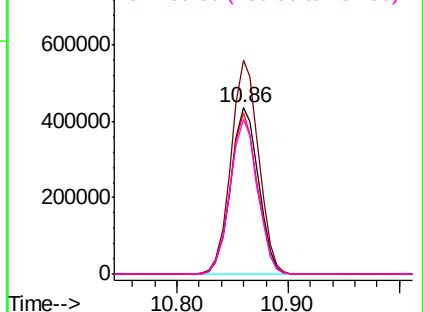


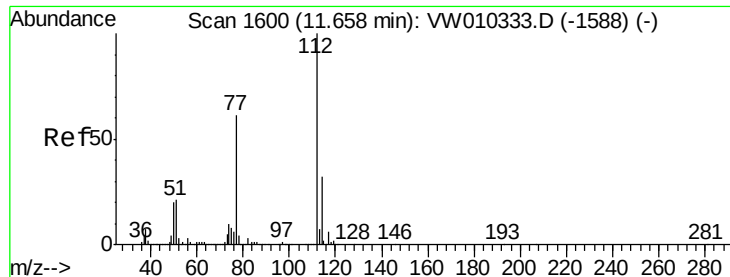
#64
Tetrachloroethene
Concen: 54.542 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:164 Resp: 750829
Ion Ratio Lower Upper
164 100
166 128.7 101.2 151.8
129 96.8 77.8 116.6
131 93.3 73.1 109.7



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

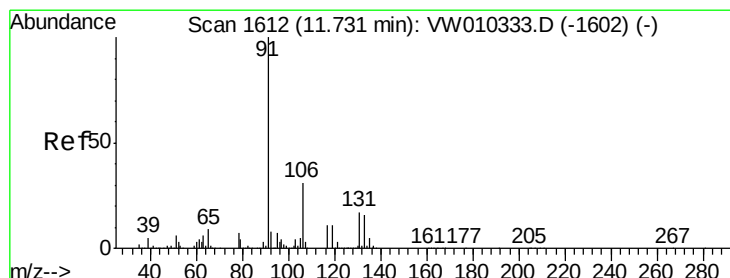
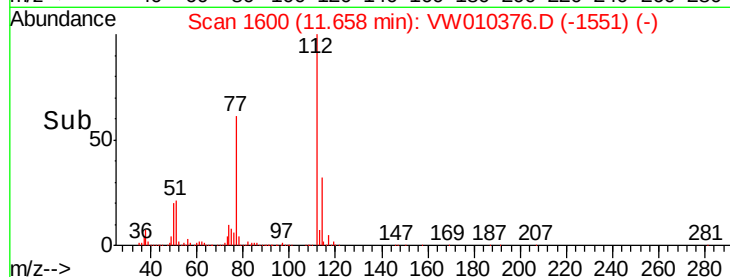
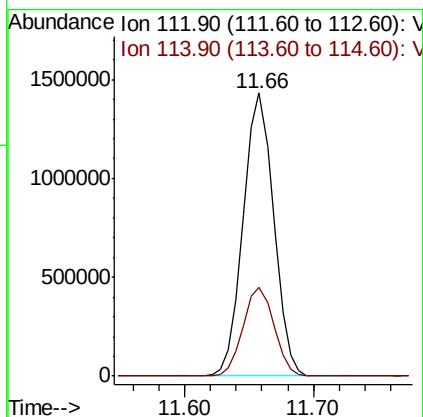
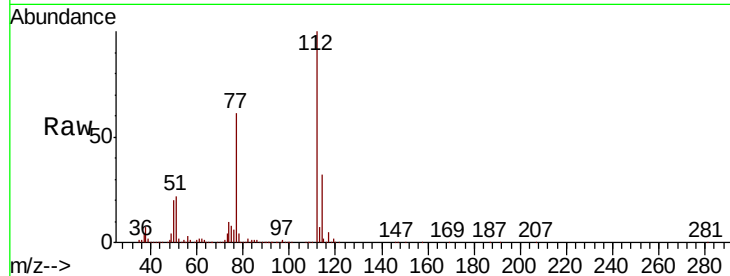




#65
Chlorobenzene
Concen: 57.366 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

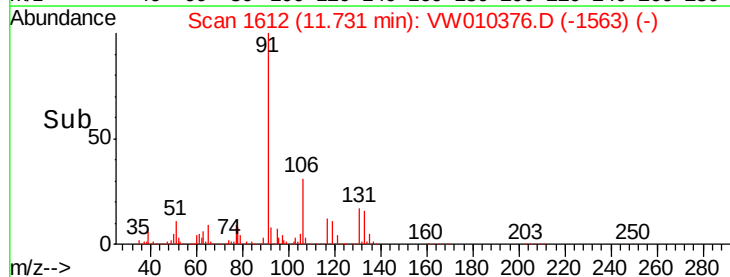
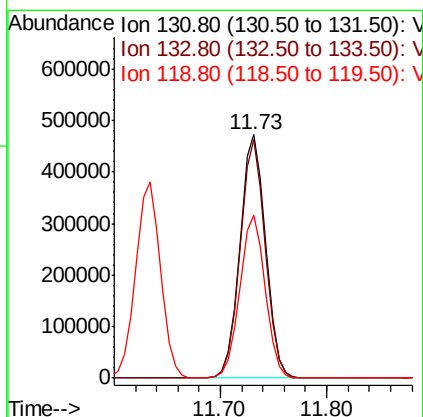
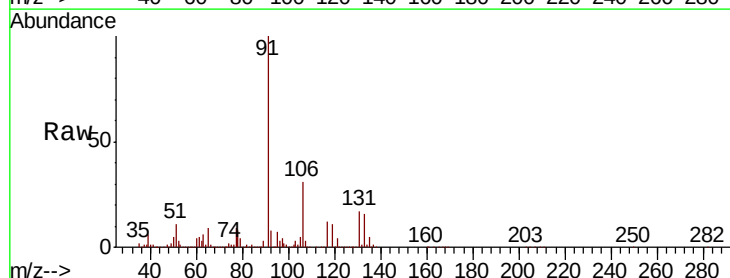
Instrument :
MSVOA_W
ClientSampleId :

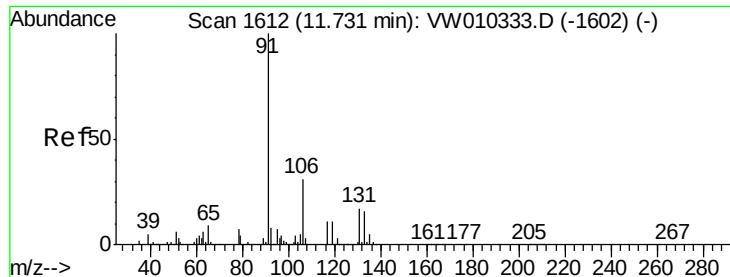
Tot Ion:112 Resp: 2338890
Ion Ratio Lower Upper
112 100
114 31.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 57.818 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:131 Resp: 796743
Ion Ratio Lower Upper
131 100
133 95.8 46.5 139.5
119 66.4 31.9 95.5

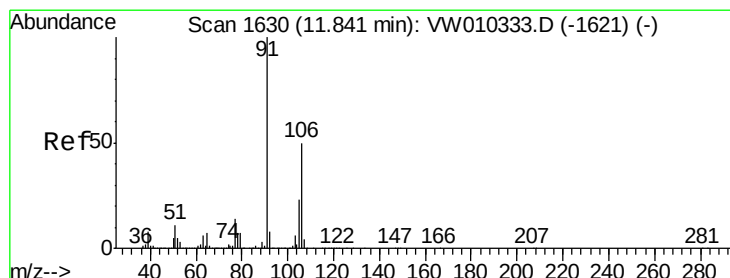
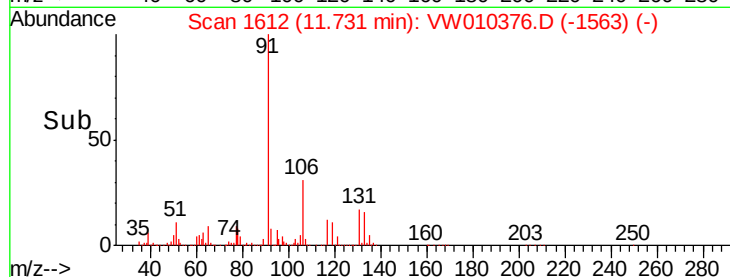
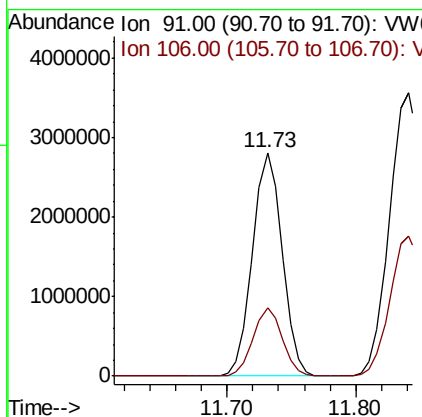
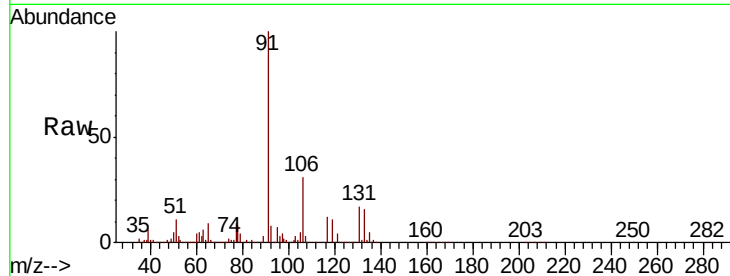




#67
Ethyl Benzene
Concen: 59.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

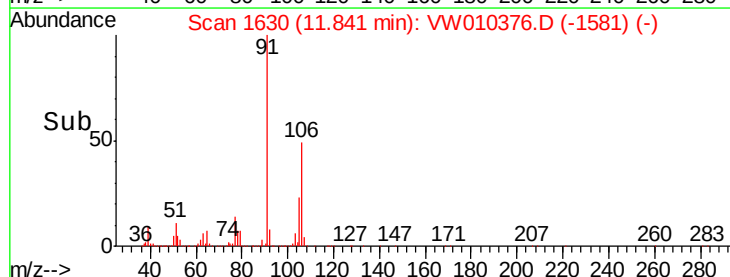
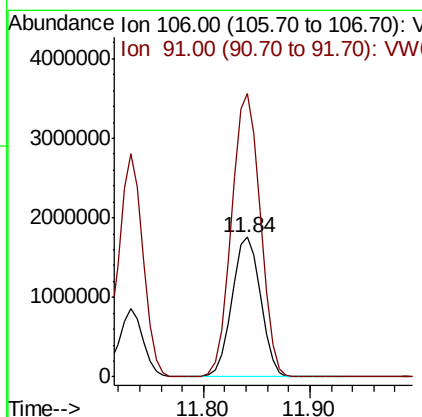
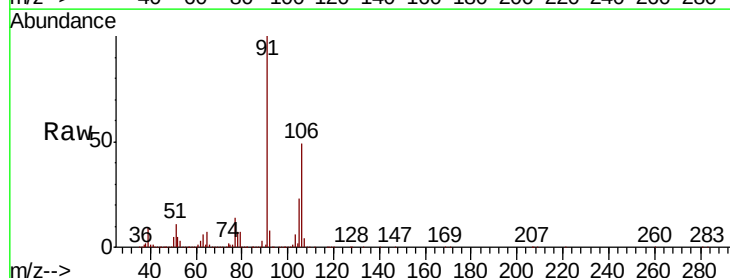
Instrument :
MSVOA_W
ClientSampleId :

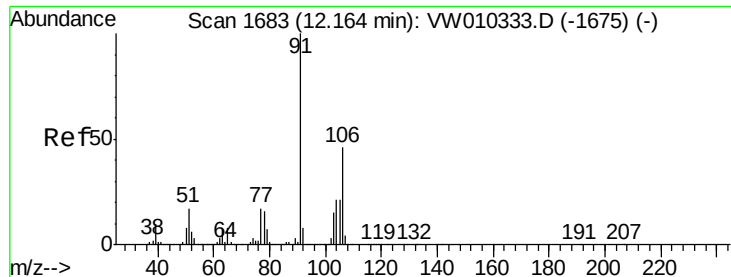
Tot Ion: 91 Resp: 4456368
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.8



#68
m/p-Xylenes
Concen: 118.971 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 106 Resp: 3315401
Ion Ratio Lower Upper
106 100
91 203.5 165.0 247.6

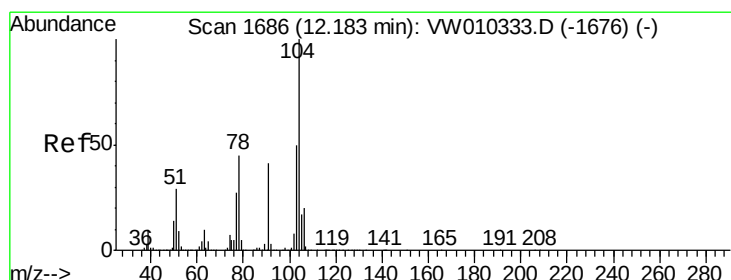
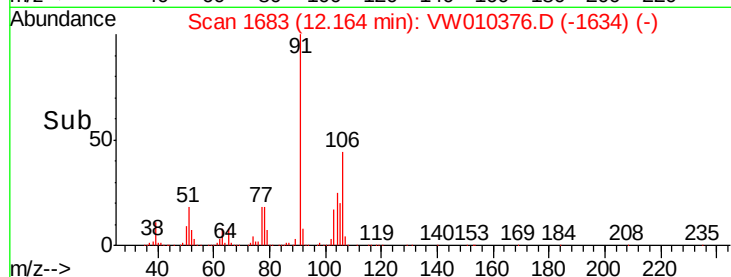
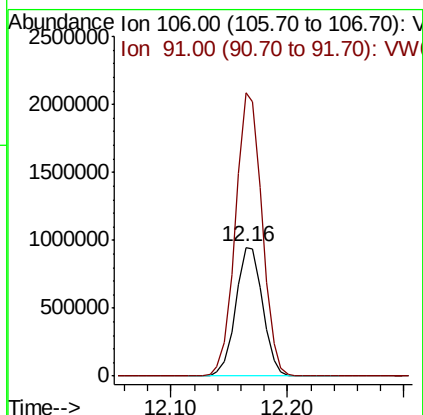
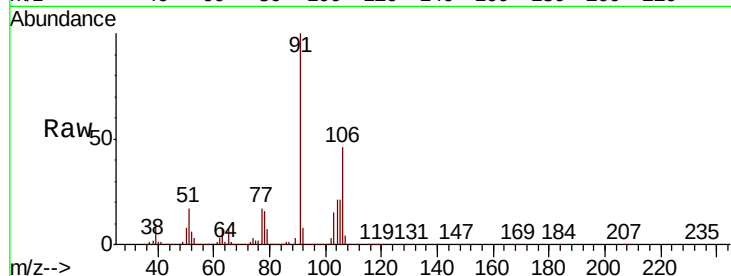




#69
o-Xylene
Concen: 60.861 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

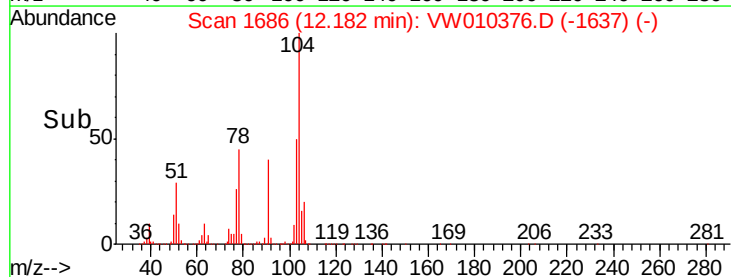
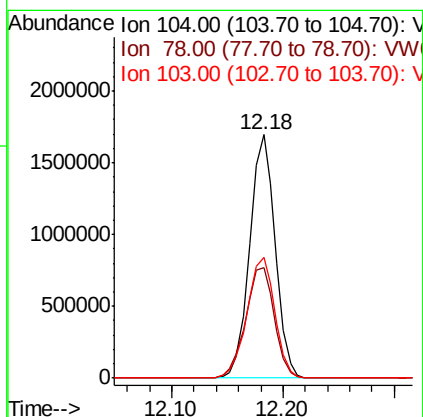
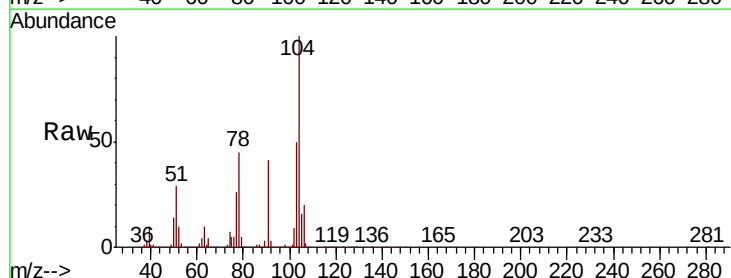
Instrument :
MSVOA_W
ClientSampleId :

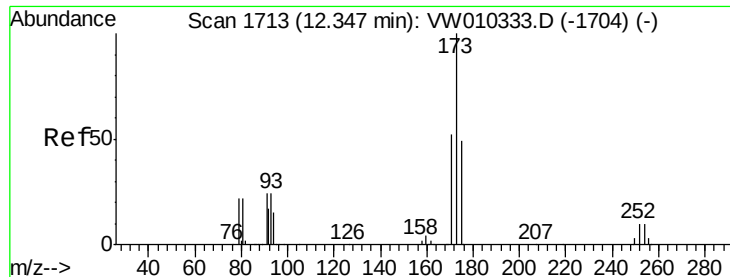
Tot Ion:106 Resp: 1534242
Ion Ratio Lower Upper
106 100
91 216.7 110.5 331.4



#70
Styrene
Concen: 61.417 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:104 Resp: 2697745
Ion Ratio Lower Upper
104 100
78 51.0 42.5 63.7
103 54.1 43.6 65.4





#71

Bromoform

Concen: 50.208 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

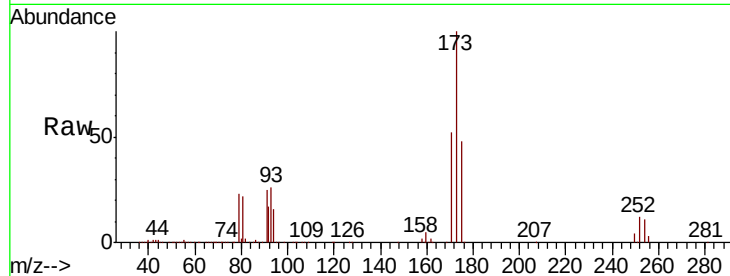
Tot Ion:173 Resp: 395507

Ion Ratio Lower Upper

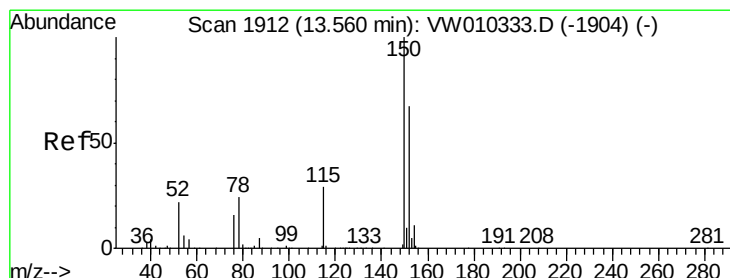
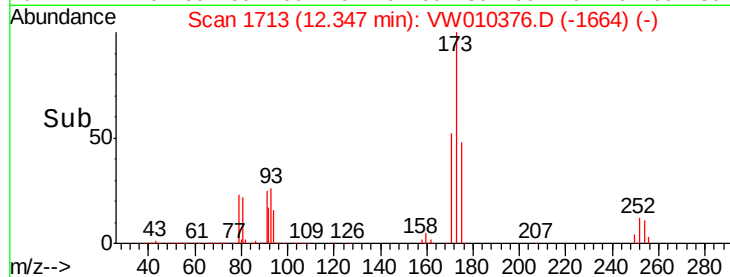
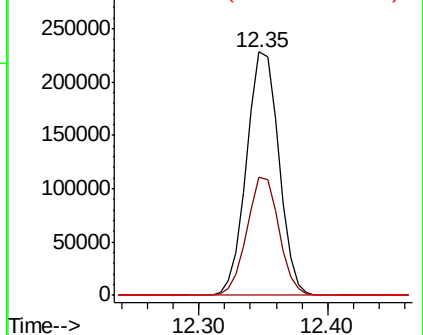
173 100

175 48.2 23.8 71.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

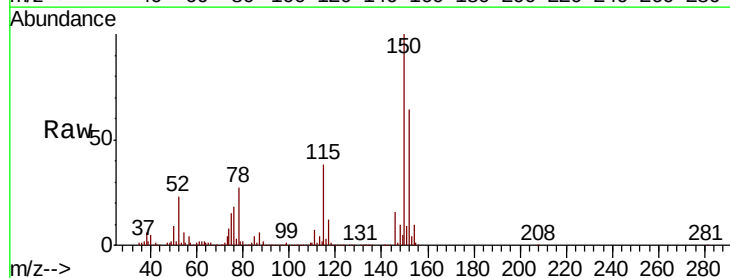
Tgt Ion:152 Resp: 960389

Ion Ratio Lower Upper

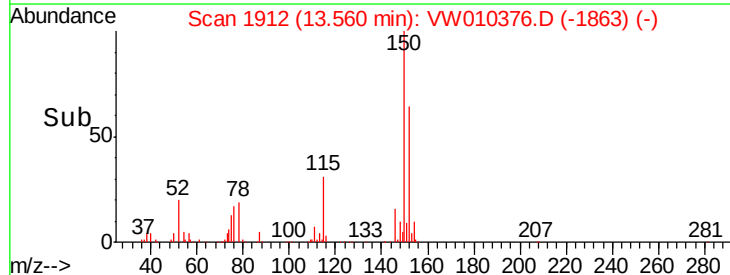
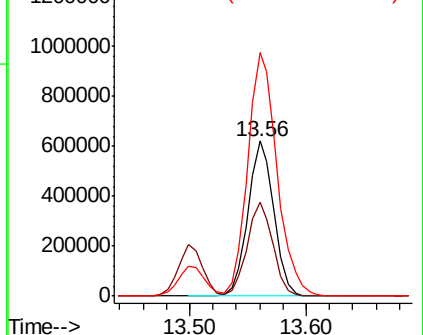
152 100

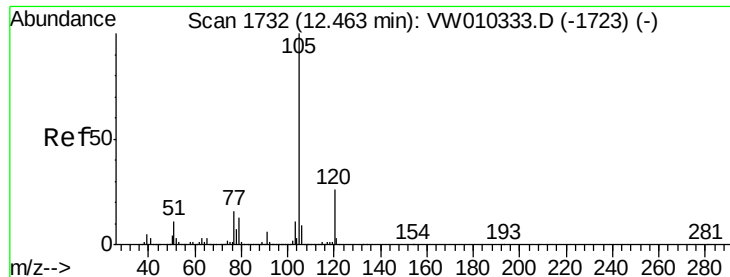
115 60.2 30.4 91.2

150 177.0 0.0 347.0



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





#73

Isopropylbenzene

Concen: 61.381 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

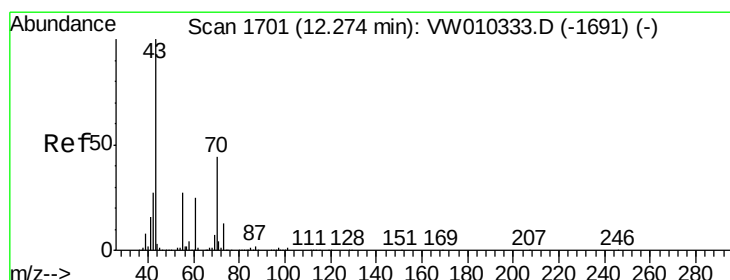
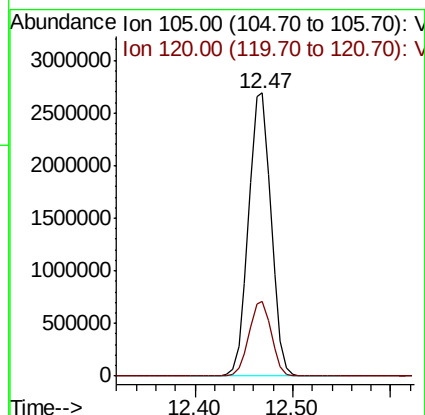
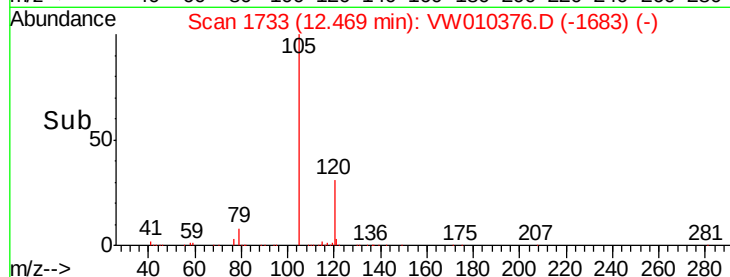
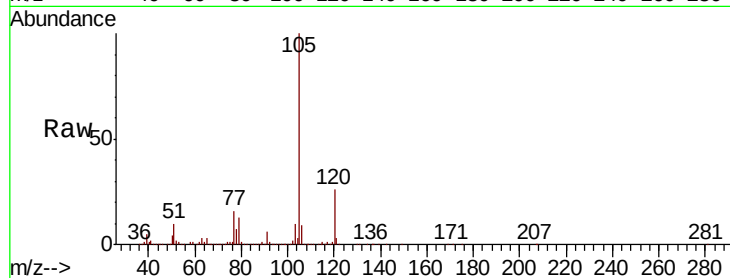
ClientSampleId :

Tot Ion:105 Resp: 4296824

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



#74

N-ethyl acetate

Concen: 51.734 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion: 43 Resp: 935613

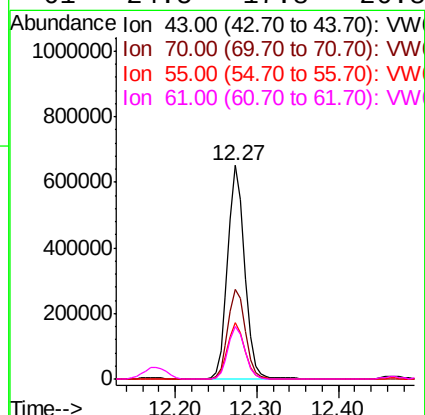
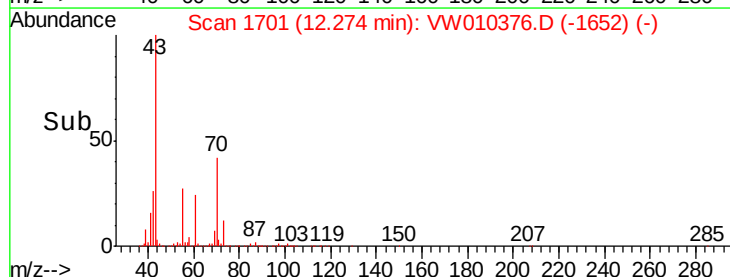
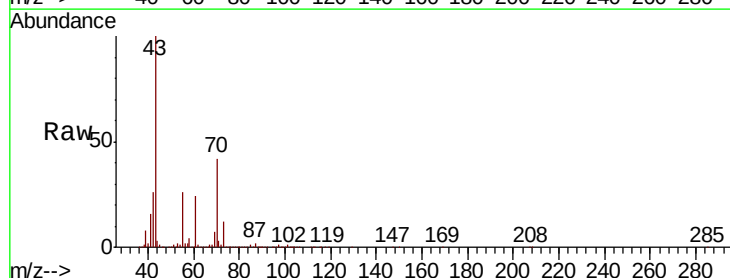
Ion Ratio Lower Upper

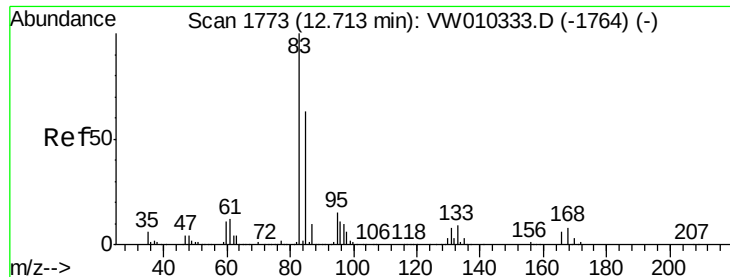
43 100

70 43.9 31.3 46.9

55 27.0 20.0 30.0

61 24.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.907 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

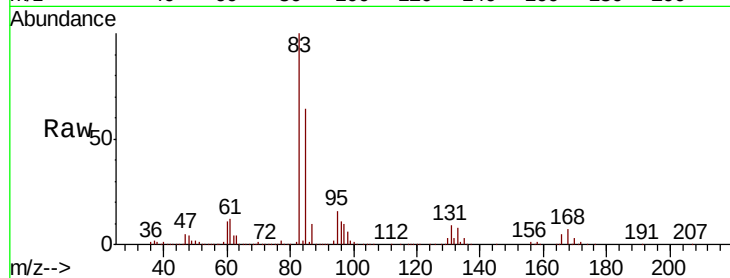
Tot Ion: 83 Resp: 738916

Ion Ratio Lower Upper

83 100

131 9.8 5.3 15.8

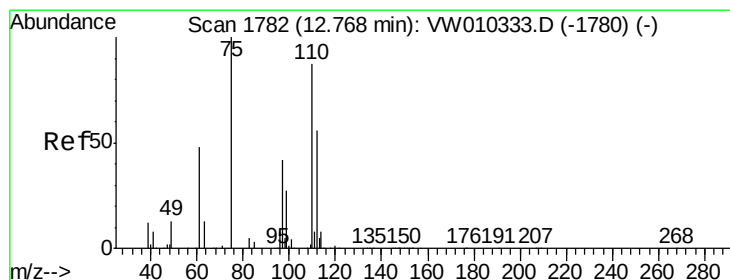
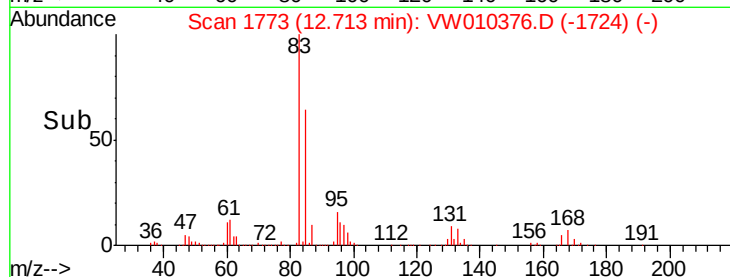
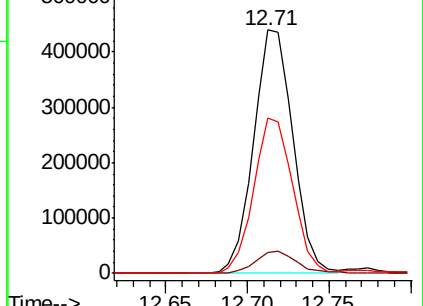
85 63.3 32.0 96.2



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: 85.283 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010376.D

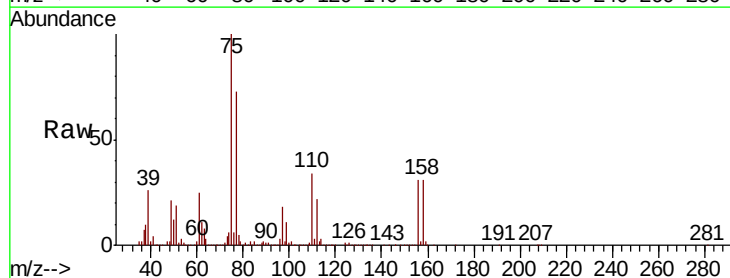
Acq: 11 May 2019 12:37

Tgt Ion: 75 Resp: 954939

Ion Ratio Lower Upper

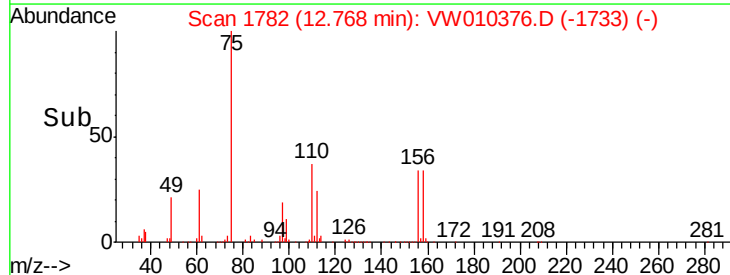
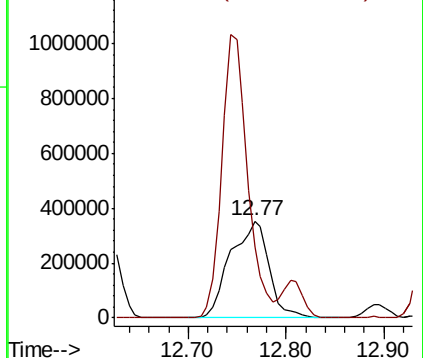
75 100

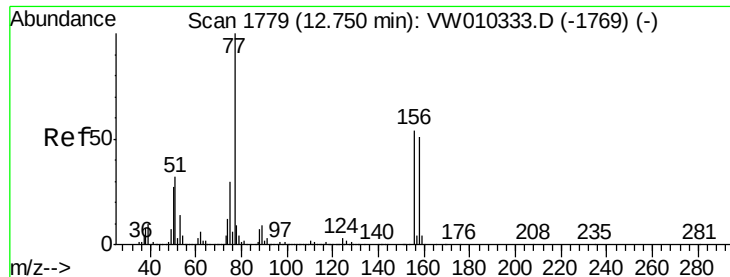
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

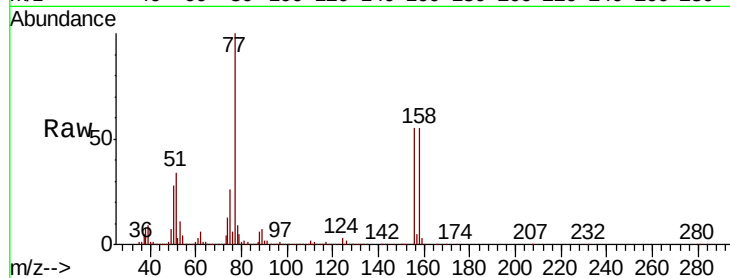




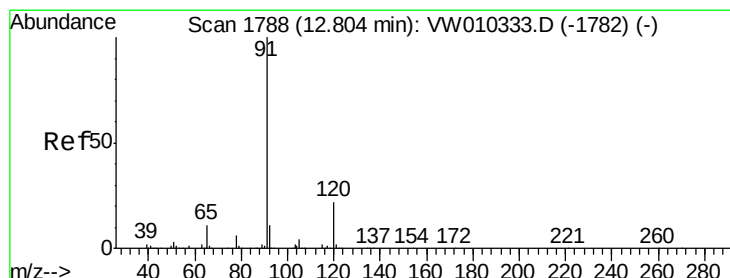
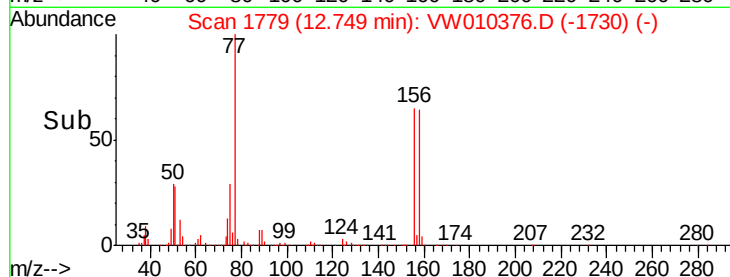
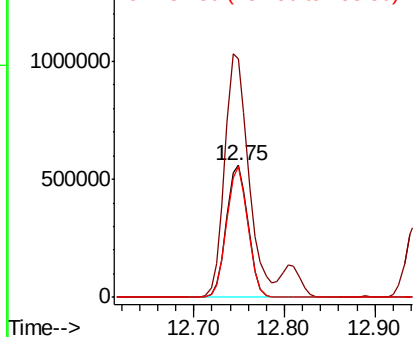
#77
Bromobenzene
Concen: 58.531 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:156 Resp: 925160
Ion Ratio Lower Upper
156 100
77 204.2 102.5 307.4
158 97.3 48.8 146.4

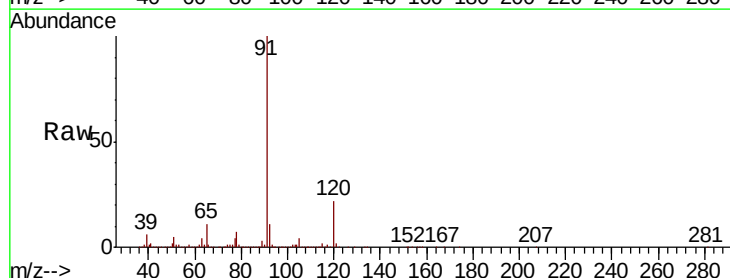


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

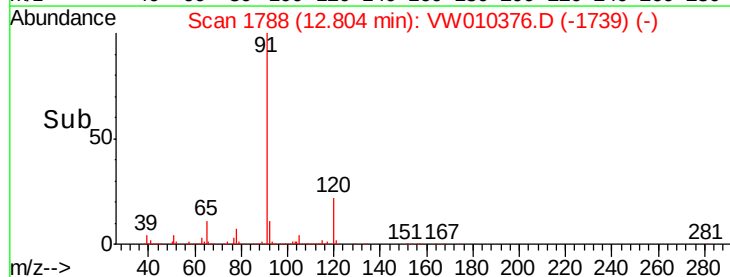
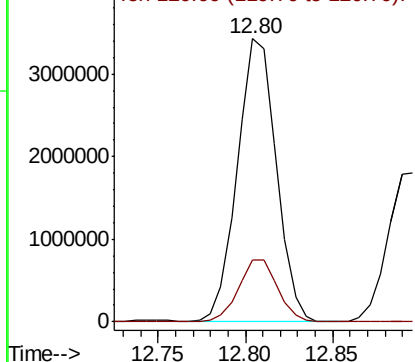


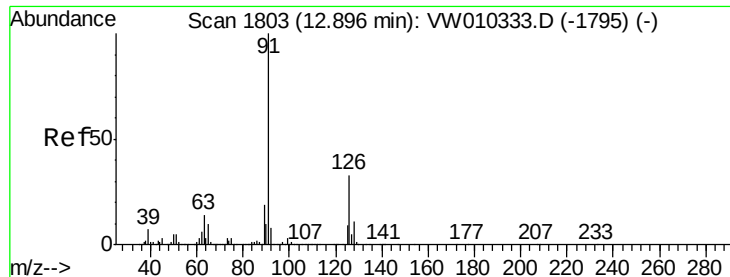
#78
n-propylbenzene
Concen: 61.323 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 91 Resp: 5301922
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.191 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

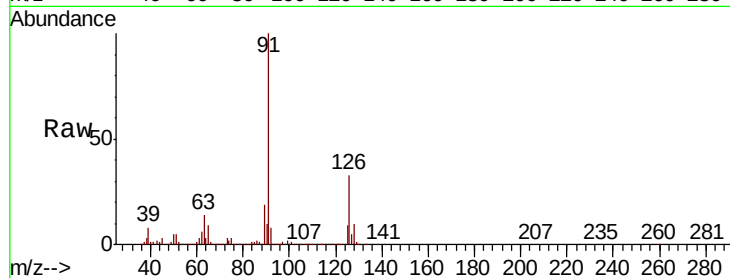
ClientSampleId :

Tot Ion: 91 Resp: 2963657

Ion Ratio Lower Upper

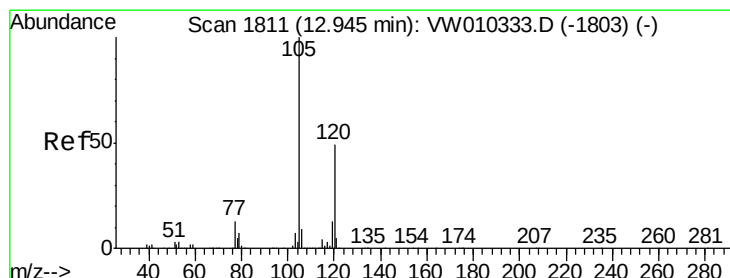
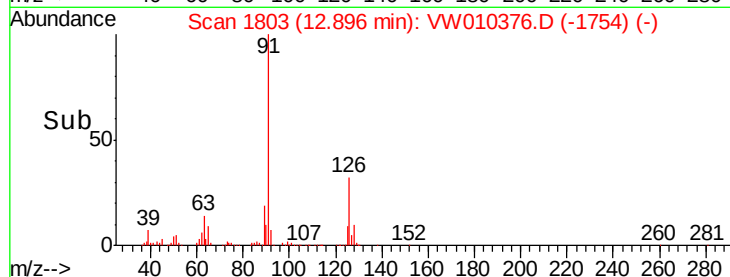
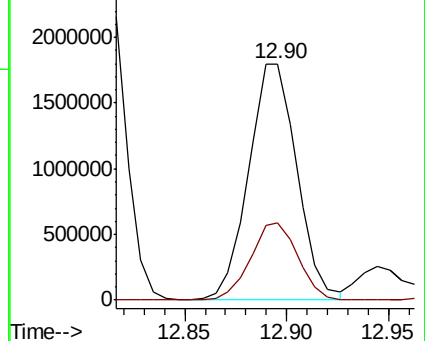
91 100

126 32.1 16.3 48.8



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: 61.727 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010376.D

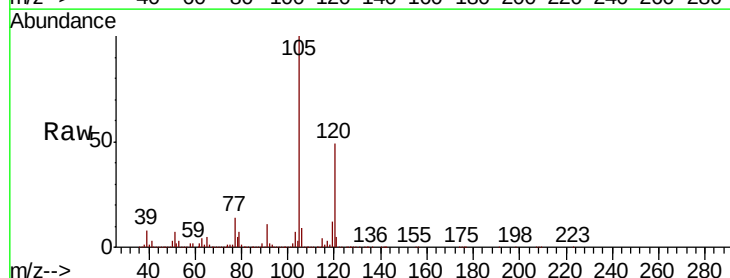
Acq: 11 May 2019 12:37

Tgt Ion:105 Resp: 3642891

Ion Ratio Lower Upper

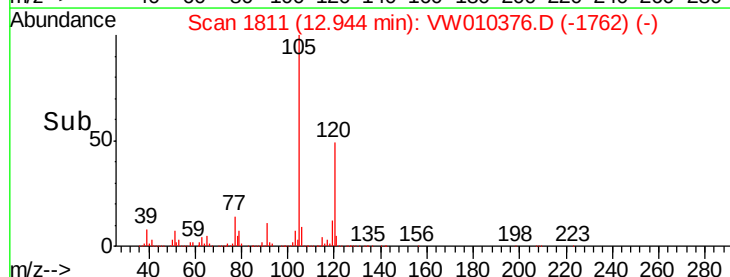
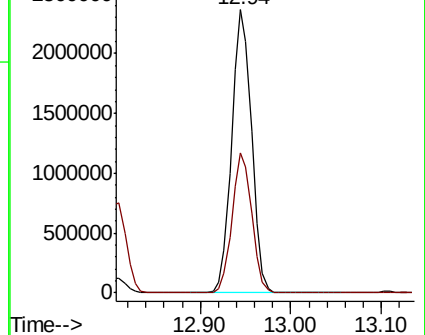
105 100

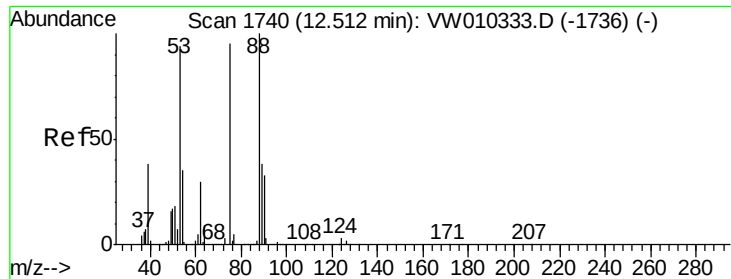
120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

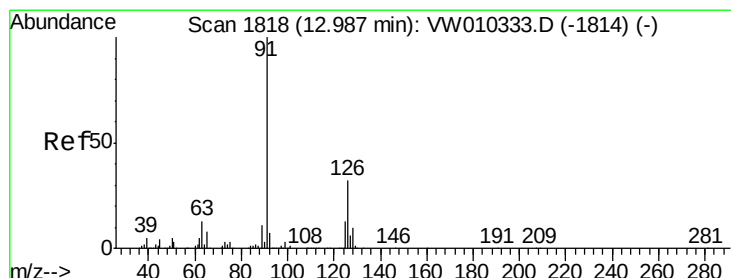
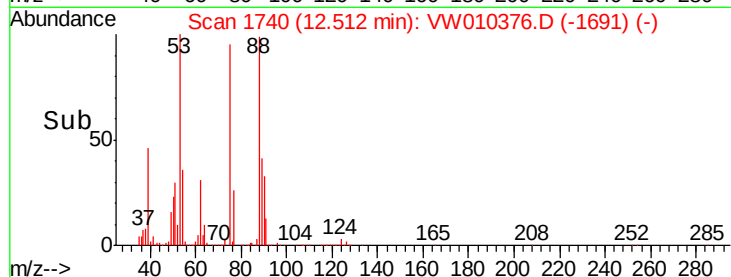
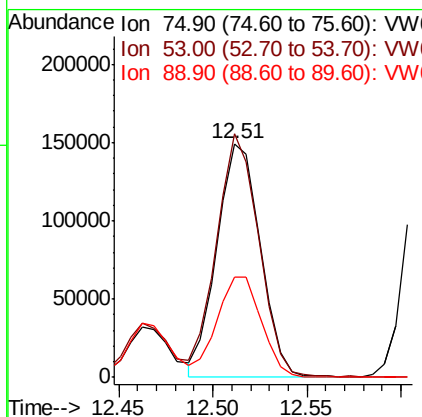
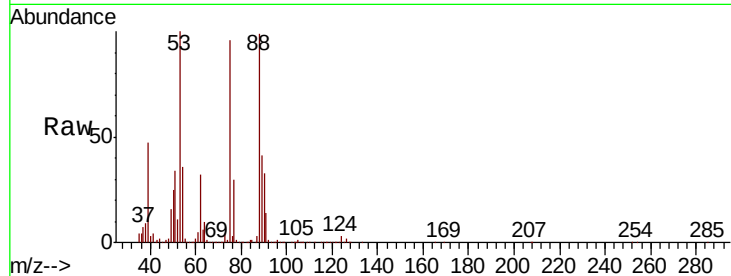




#81
trans-1,4-Dichloro-2-butene
Concen: 47.889 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

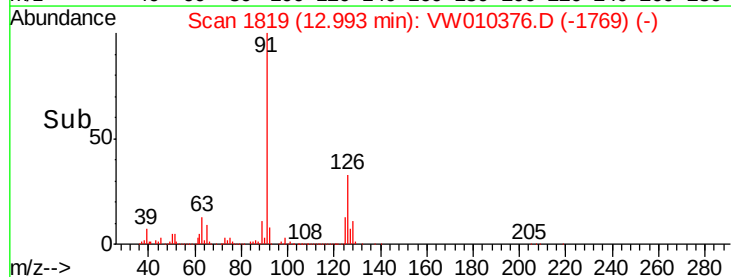
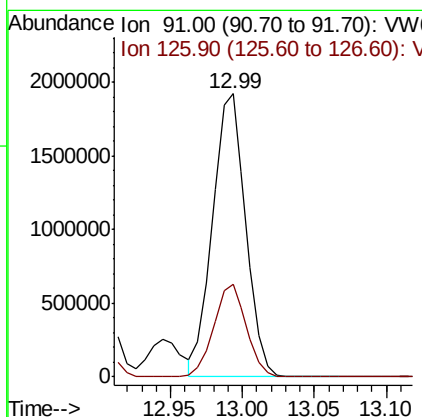
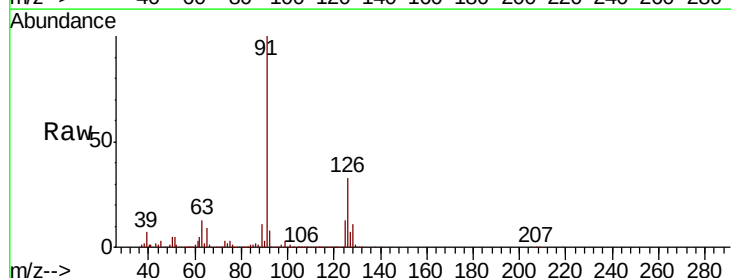
Instrument :
MSVOA_W
ClientSampleId :

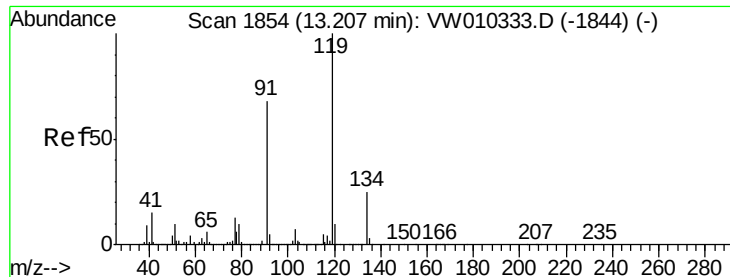
Tot Ion: 75 Resp: 237446
Ion Ratio Lower Upper
75 100
53 101.8 89.8 134.8
89 44.5 36.6 54.8



#82
4-Chlorotoluene
Concen: 59.768 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 91 Resp: 3083364
Ion Ratio Lower Upper
91 100
126 32.3 16.4 49.1

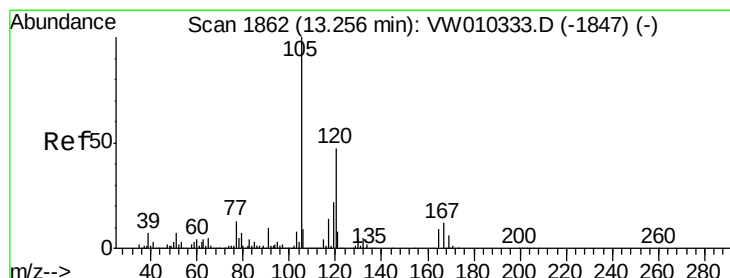
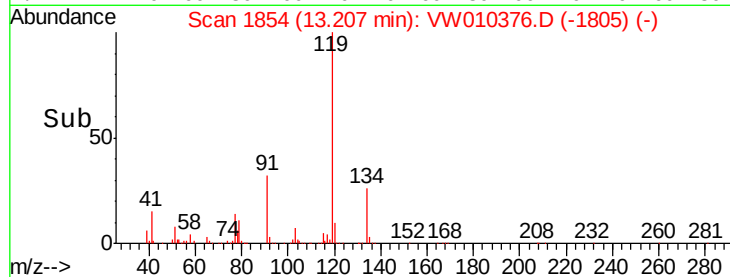
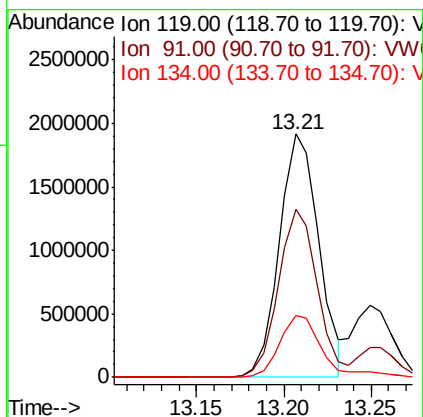
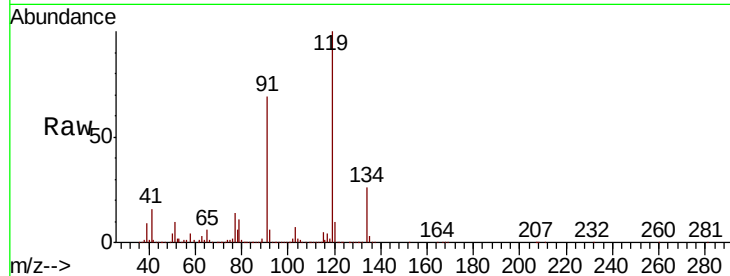




#83
 tert-Butylbenzene
 Concen: 61.433 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

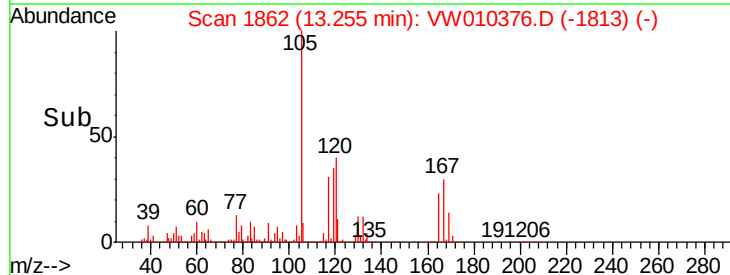
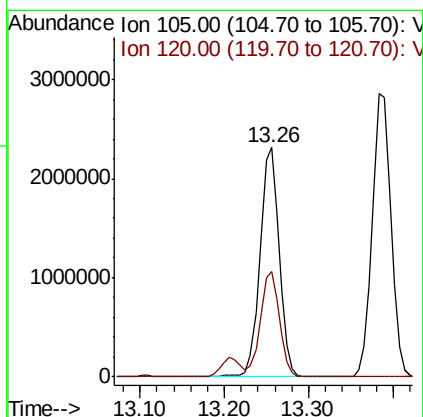
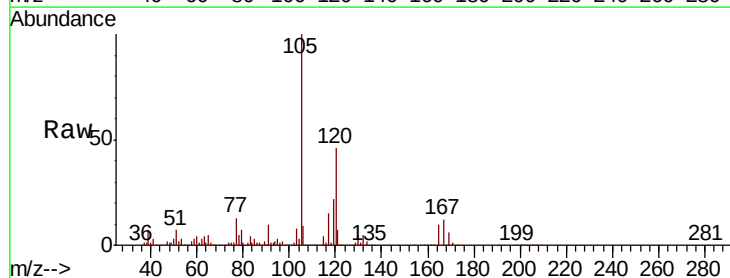
Instrument :
 MSVOA_W
 ClientSampleId :

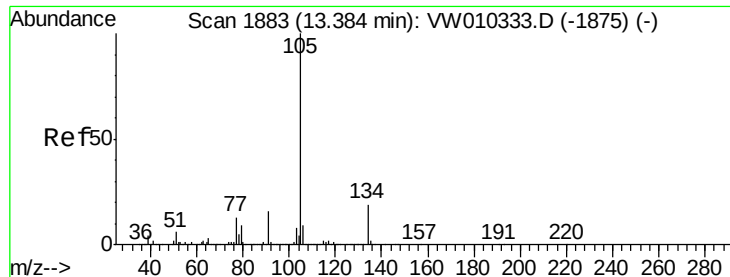
Tot Ion:119 Resp: 3023994
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.8 104.4
 134 27.6 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 61.528 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion:105 Resp: 3608311
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 61.032 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

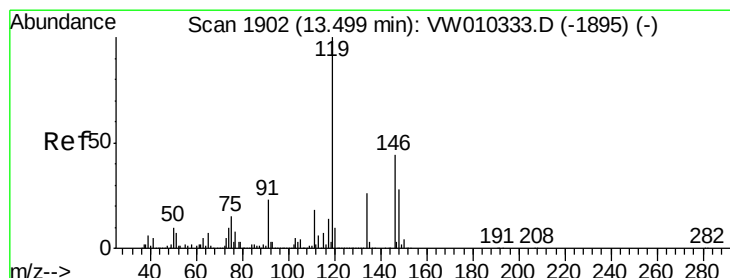
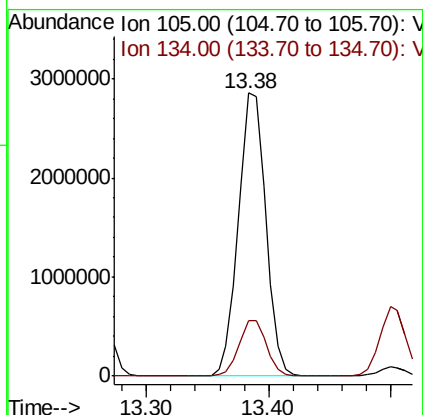
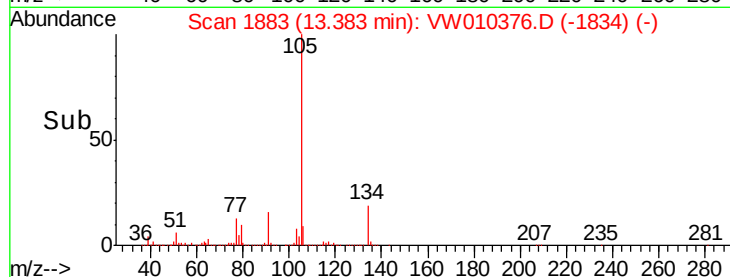
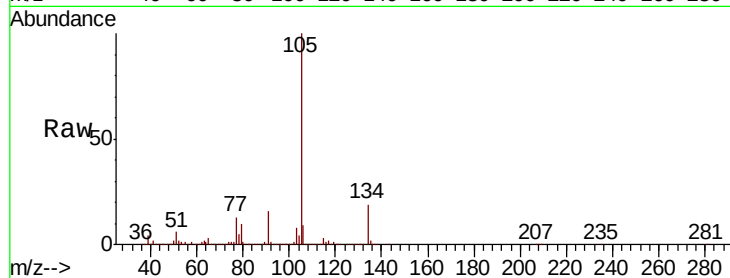
ClientSampleId :

Tot Ion:105 Resp: 4435018

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



#86

p-Isopropyltoluene

Concen: 62.380 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

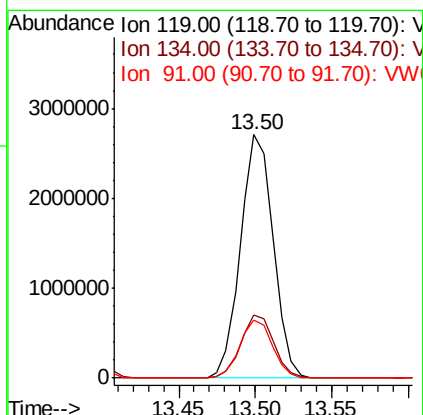
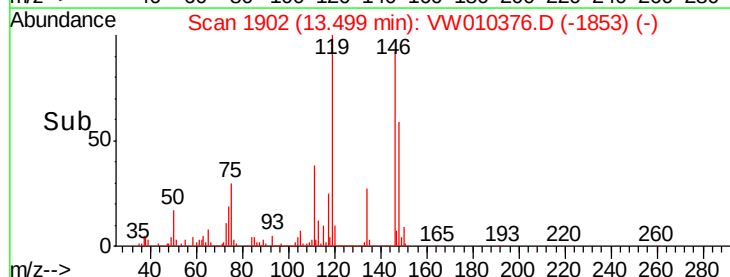
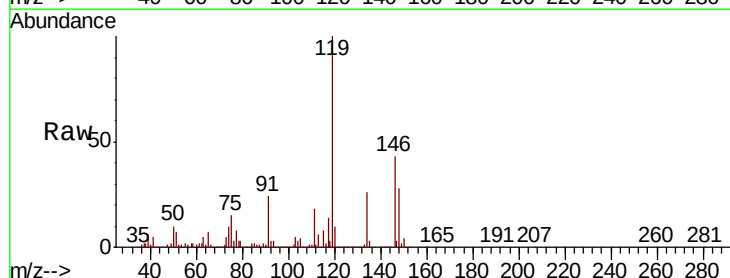
Tgt Ion:119 Resp: 4024712

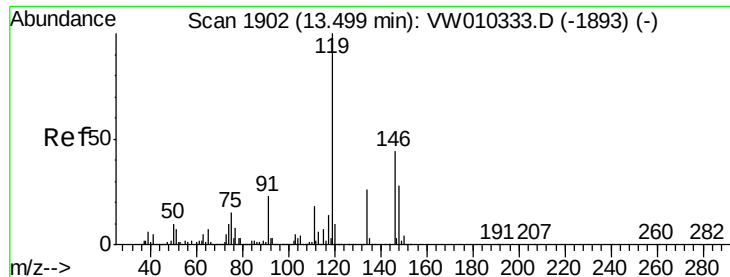
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.8 12.3 36.9

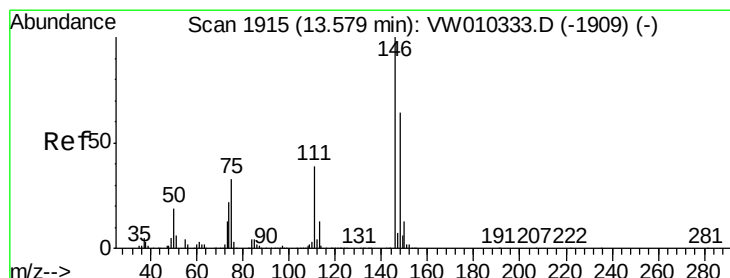
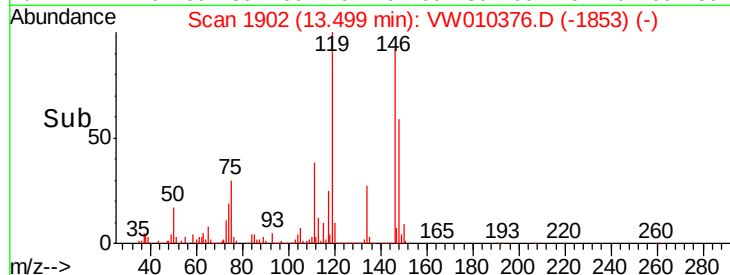
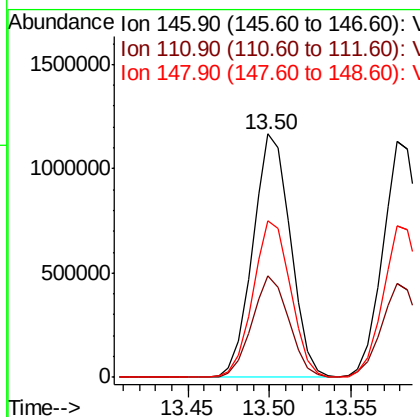
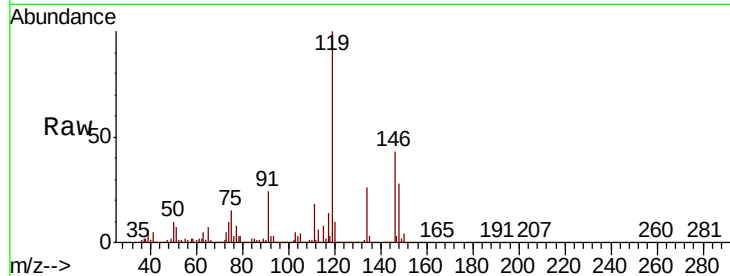




#87
 1,3-Dichlorobenzene
 Concen: 59.302 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

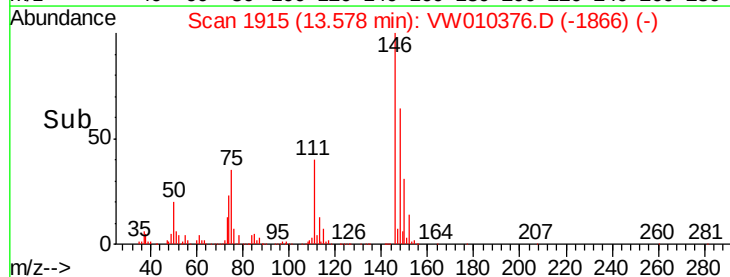
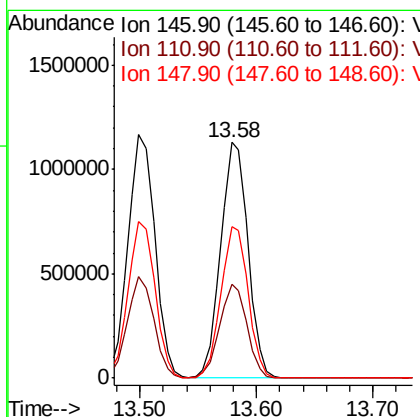
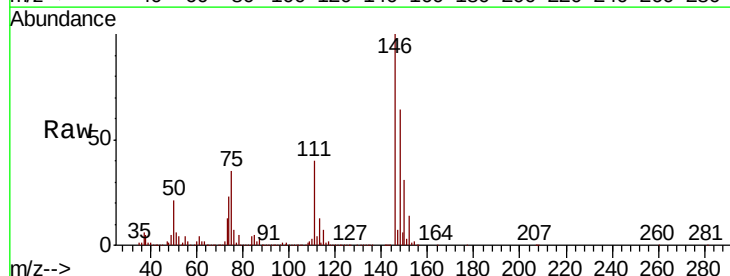
Instrument :
 MSVOA_W
 ClientSampleId :

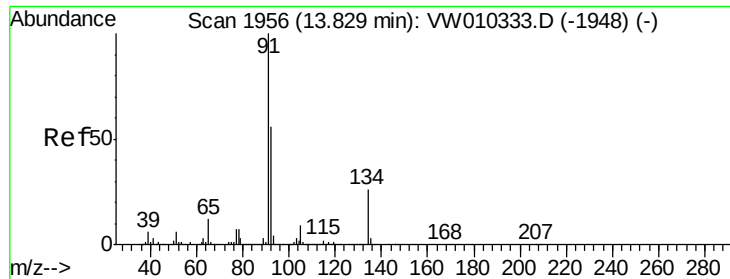
Tot Ion:146 Resp: 1871727
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 61.0
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 58.269 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion:146 Resp: 1825112
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.1 60.3
 148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 62.642 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

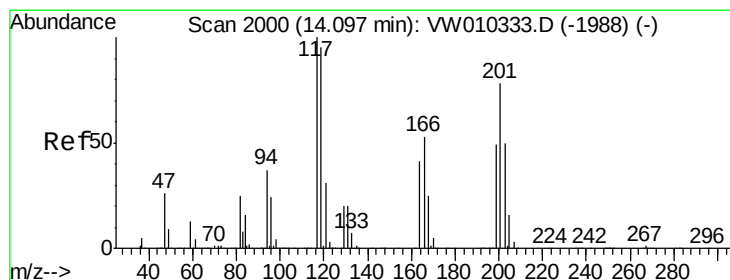
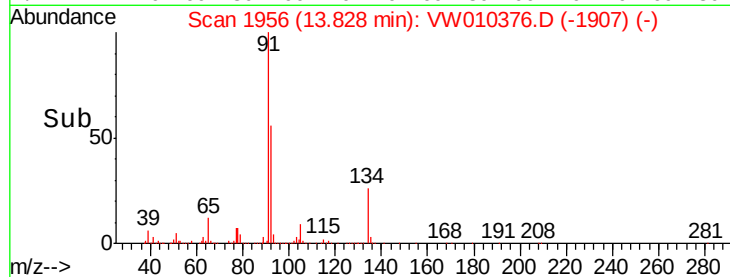
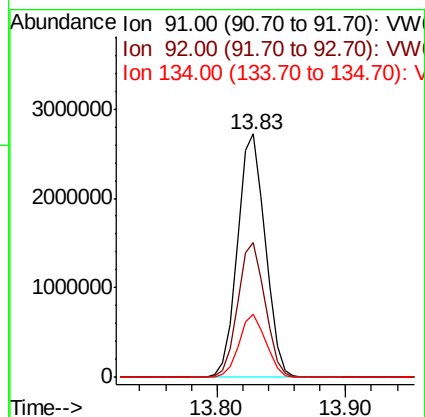
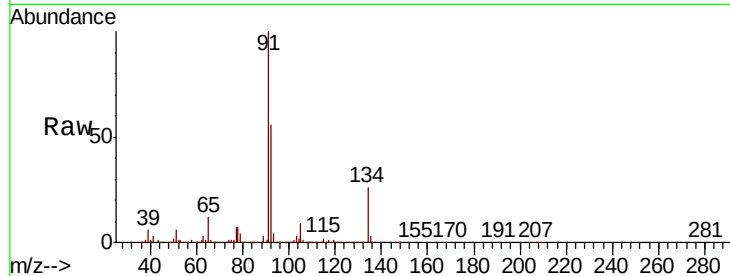
Tot Ion: 91 Resp: 4052479

Ion Ratio Lower Upper

91 100

92 54.6 26.5 79.4

134 25.0 12.4 37.0



#90

Hexachloroethane

Concen: 59.226 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010376.D

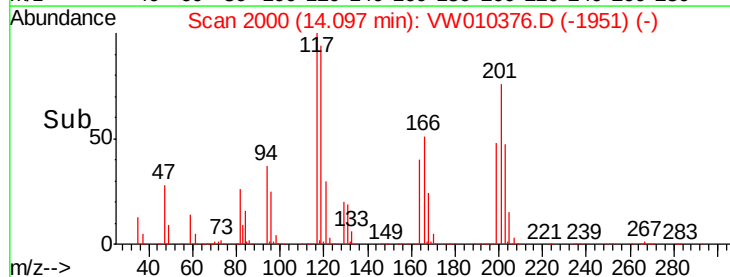
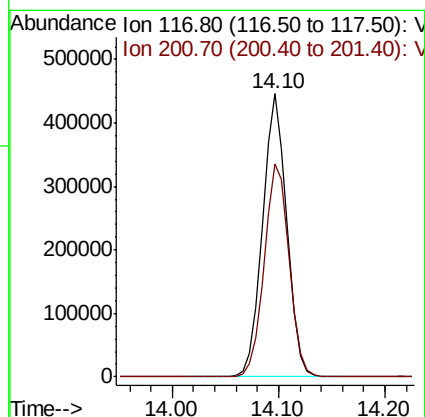
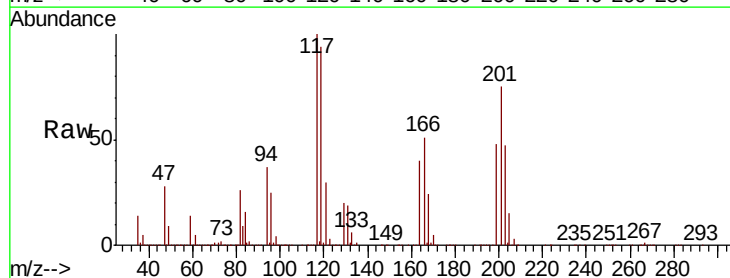
Acq: 11 May 2019 12:37

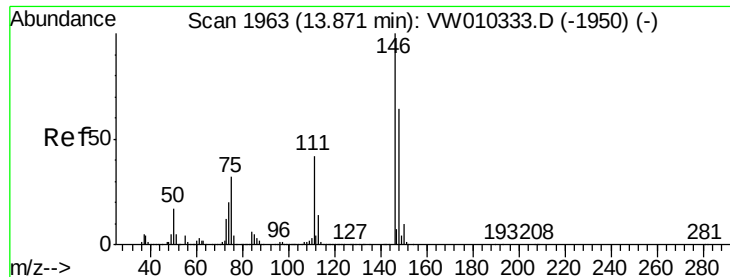
Tgt Ion: 117 Resp: 708745

Ion Ratio Lower Upper

117 100

201 77.5 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 58.034 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

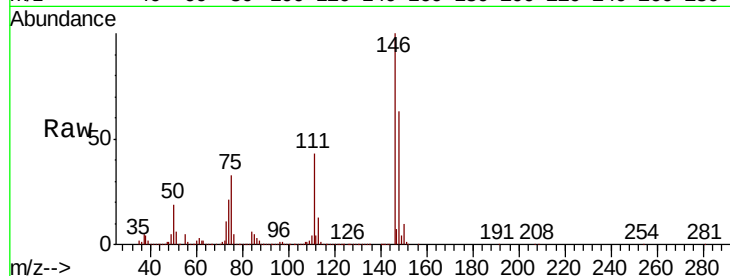
Tot Ion:146 Resp: 1621462

Ion Ratio Lower Upper

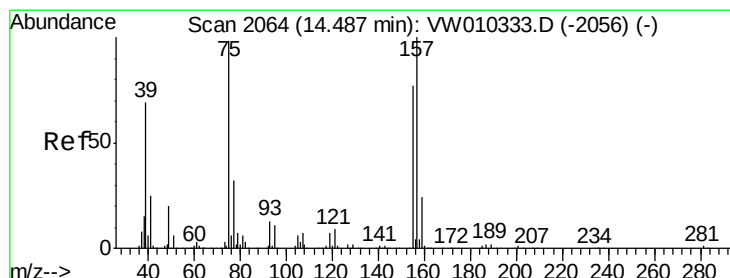
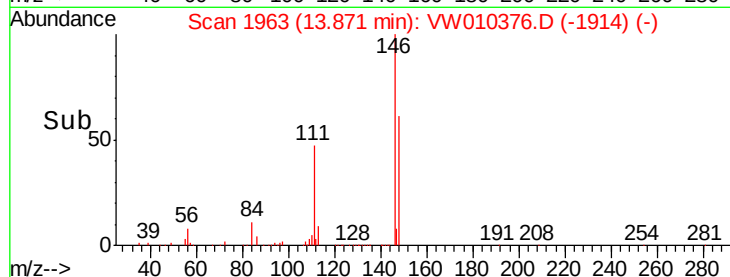
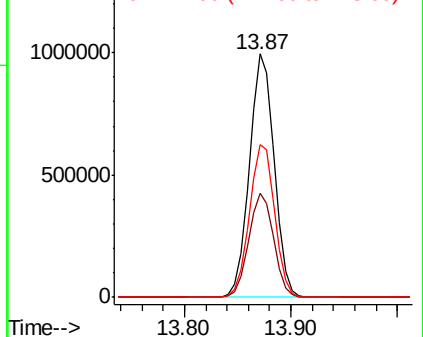
146 100

111 42.9 20.9 62.8

148 63.9 31.9 95.7



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: 41.738 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

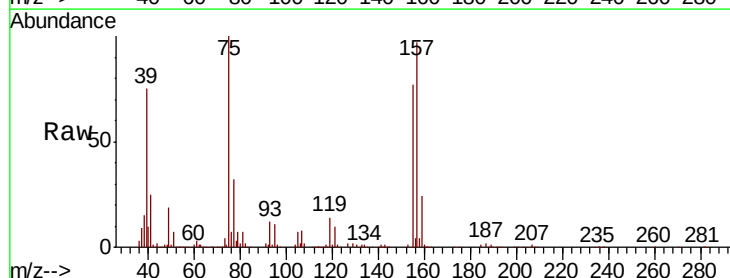
Tgt Ion: 75 Resp: 115928

Ion Ratio Lower Upper

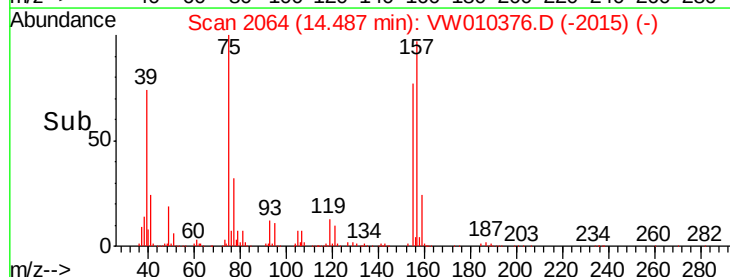
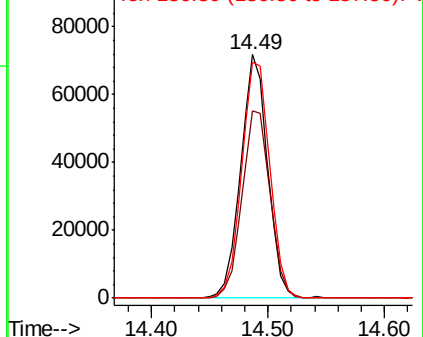
75 100

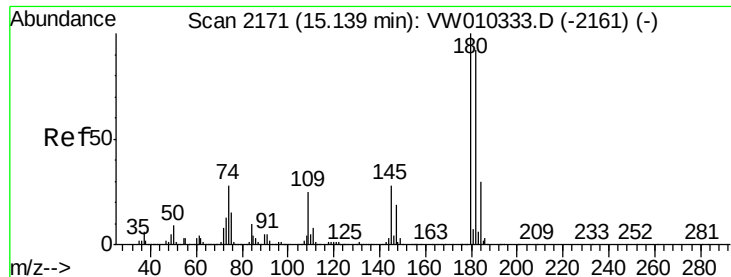
155 80.4 37.1 111.5

157 101.3 47.3 141.9



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

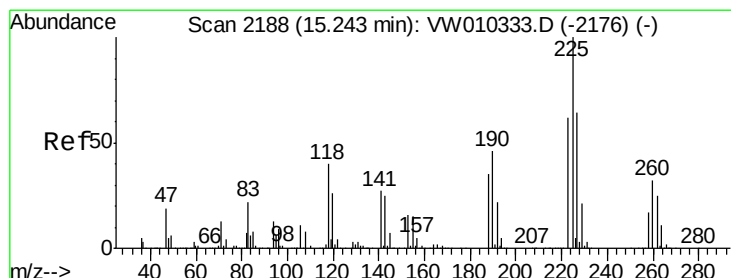
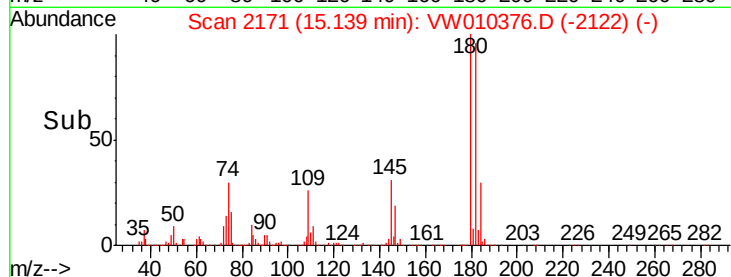
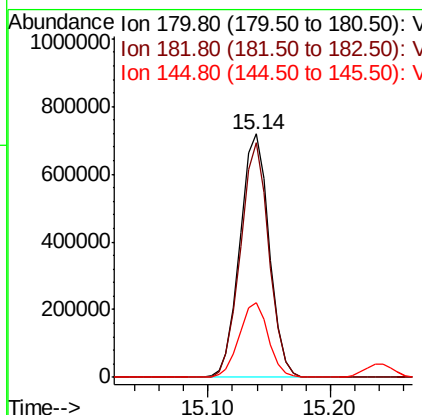
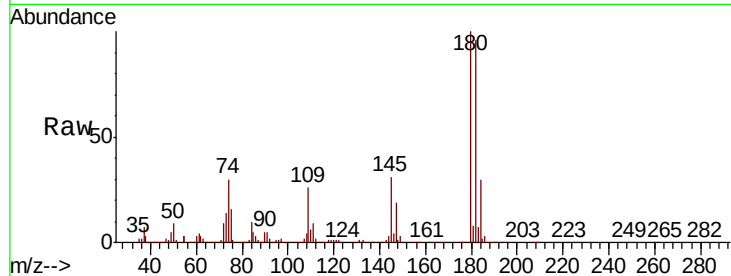




#93
 1,2,4-Trichlorobenzene
 Concen: 62.384 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

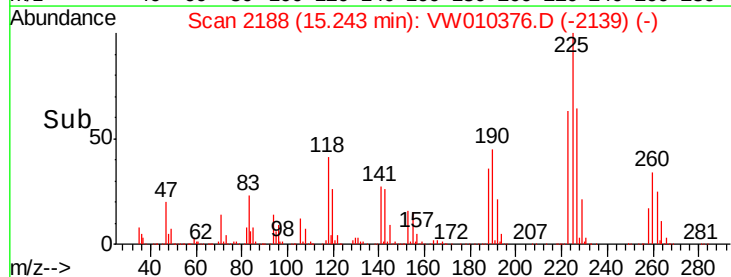
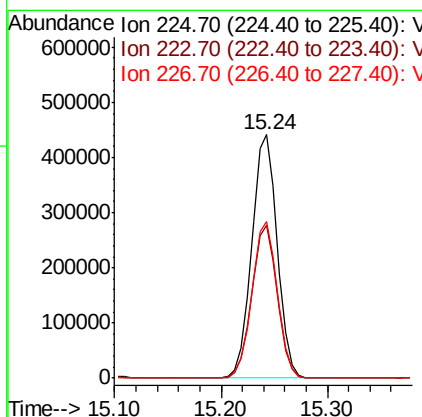
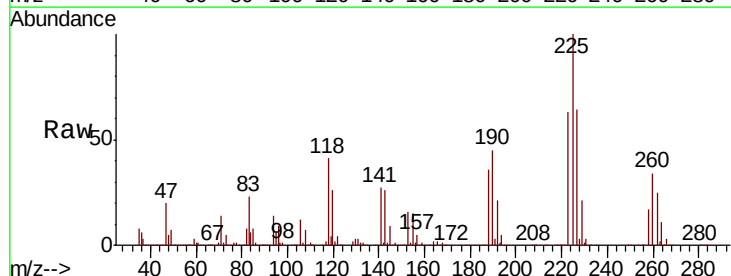
Instrument :
 MSVOA_W
 ClientSampled :

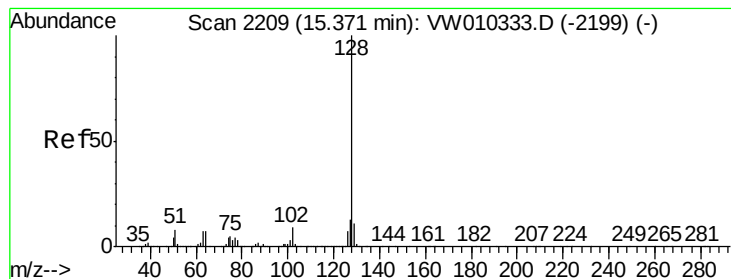
Tot Ion:180 Resp: 1189561
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.1 141.4
 145 30.4 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 60.248 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion:225 Resp: 736492
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.9 95.5
 227 64.1 31.8 95.3





#95

Naphthalene

Concen: 48.378 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

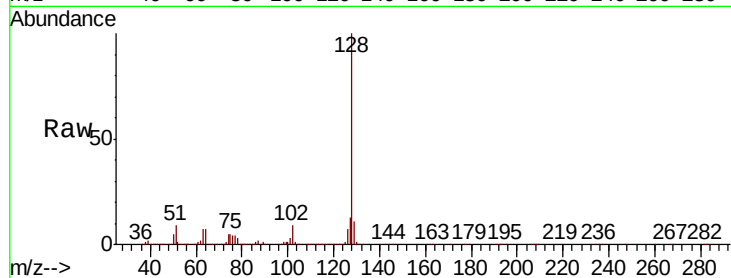
Tot Ion:128 Resp: 2101985

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

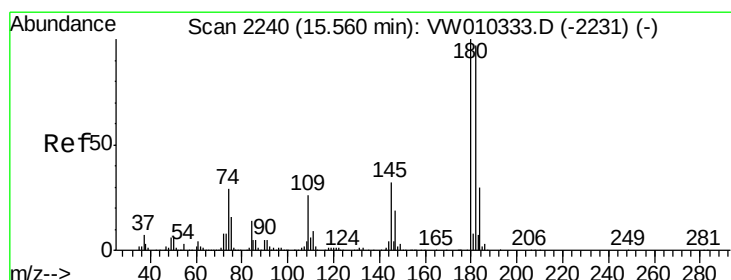
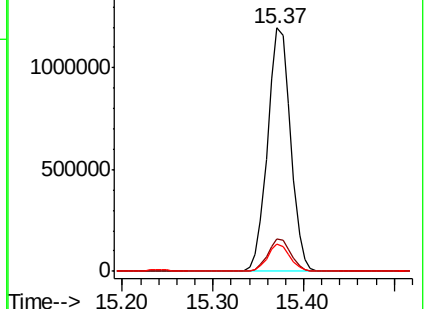
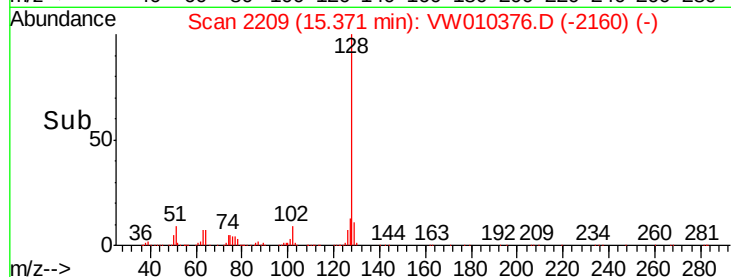
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 59.837 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

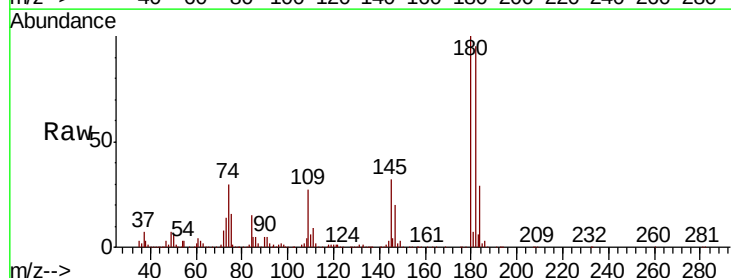
Tgt Ion:180 Resp: 1030780

Ion Ratio Lower Upper

180 100

182 95.7 47.8 143.3

145 31.7 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

